CLAIMS

It is claimed:

1. An apparatus for treating a subject suffering from cancer, the apparatus comprising:

a conductive applicator configured to apply to the subject radio frequency radiation, wherein the radio frequency radiation comprises amplitude-modulated output signals; and

a frequency synthesizer coupled to the conductive applicator and configured to generate the amplitude-modulated output signals by generating:

a carrier frequency signal having a carrier frequency from 1KHz to 5000 MHz; and

amplitude modulation frequency signals having amplitude modulation frequencies from 0.1 Hz to 150,000 Hz, and wherein the amplitude modulation frequencies are selected to be cancer-specific frequencies;

wherein the cancer is selected from the group consisting of: breast cancer, neuroendocrine cancer, non-Hodgkin lymphoma, adenocarcinoma of a pancreas, head and neck cancer, gastric cancer, glioblastoma, squamous cell carcinoma of the anal canal, hepatocellular carcinoma, cholangiocarcinoma, mesothelioma, thyroid cancer, prostate cancer, rhabdomyosarcoma, and colorectal cancer;

and wherein:

(a) when the cancer is breast cancer, the frequency synthesizer is configured to generate one or more breast cancer specific amplitude modulation frequencies comprising:

Table 1

374-374.7 Hz	419.8-420.4 Hz	420.4-420.8 Hz	429-429.7 Hz	1336-1336.7 Hz
1369-1369.7 Hz	1728-1728.7 Hz	1771.8-1772.3 Hz	1772.3-1772.8 Hz	2811-2811.7 Hz
2824-2824.7 Hz	2840-2840.7 Hz	2858.8-2859.35Hz	2860-2860.7 Hz	2878-2878.7 Hz
2890-2890.7 Hz	3209-3209.7 Hz	3322-3322.7 Hz	3360-3360.7 Hz	3663-3663.7 Hz
3839-3839.7 Hz	3842.4-3843 Hz	3854-3854.7 Hz	3936-3936.7 Hz	4323-4323.7 Hz
4329-4329.7 Hz	4416-4416.7 Hz	4430-4430.7 Hz	4477.4-4478 Hz	4480.9-4481.35Hz
4714-4714.7 Hz	4805.3-4806 Hz	4813-4813.7 Hz	4819-4819.7 Hz	4822-4822.7 Hz
4823-4823.7 Hz	4833-4833.7 Hz	4890-4890.7 Hz	5154-5154.7 Hz	5243-5243.7 Hz
5407.3-5408 Hz	5716-5716.7 Hz	5976-5976.7 Hz	6024-6024.7 Hz	6070-6070.7 Hz
6094-6094.7 Hz	6414-6414.7 Hz	6717-6717.7 Hz	6751-6751.7 Hz	6968.4-6969 Hz
7013-7013.7 Hz	7042-7042.7 Hz	7080-7080.7 Hz	7145.4-7146 Hz	7151-7151.7 Hz
7158-7158.7 Hz	7225-7225.7 Hz	8332-8332.7 Hz	8824-8824.7 Hz	8837-8837.7 Hz
9935-9935.7 Hz	9961-9961.7 Hz	10013-10013.7 Hz	10064-10064.7 Hz	10339.8-10340.4 Hz
10384-10384.7 Hz	10745-10745.7 Hz	10788-10788.7 Hz	10834-10834.7 Hz	10854-10854.7 Hz
10873-10873.7 Hz	10894-10894.7 Hz	11163-11163.7 Hz	11414-11414.7 Hz	11421-11421.7 Hz

11429-11429.7 Hz	11719-11719.7 Hz	11745-11745.7 Hz	11931-11931.7 Hz	11974-11974.7 Hz
11993-11993.7 Hz	12118-12118.7 Hz	12137-12137.7 Hz	12144-12144.7 Hz	12318-12318.7 Hz
12342-12342.7 Hz	12364-12364.7 Hz	12557-12557.7 Hz	12588-12588.7 Hz	13329-13329.7 Hz
13377-13377.7 Hz	13386-13386.7 Hz	13644-13644.7 Hz	13661-13661.7 Hz	13713-13713.7 Hz
14164-14164.7 Hz	14308-14308.7 Hz	14333.4-14333.9 Hz	14432-14432.7 Hz	14524-14524.7 Hz
14589-14589.7 Hz	14729-14729.7 Hz	14813-14813.7 Hz	14835-14835.7 Hz	14858-14858.7 Hz
14885-14885.7 Hz	15035-15035.6 Hz	15067-15067.7 Hz	15126-15126.7 Hz	15195-15195.7 Hz
15269-15269.7 Hz	15432-15432.7 Hz	15432-15432.7 Hz	15563-15563.7 Hz	15621-15621.7 Hz
15624-15624.7 Hz	15642-15642.7 Hz	15647-15647.7 Hz	15669-15669.7 Hz	15698-15698.7 Hz
15823-15823.7 Hz	16347-16347.7 Hz	17832-17832.7 Hz	18221-18221.7 Hz	18260-18260.7 Hz
19433-19433.7 Hz	19446-19446.7 Hz	19489.3-19490 Hz	19782-19782.7 Hz	19827-19827.7 Hz
21291.4-21292 Hz	21887-21887.7 Hz	22020-22020.7 Hz	22419-22419.7 Hz	22422-22422.7 Hz
22425-22425.7 Hz	22444-22444.7 Hz	22491-22491.7 Hz	22840.3-22841 Hz	22859-22859.7 Hz
22973-22973.7 Hz	22983-22983.7 Hz	23258-23258.7 Hz	23652-23652.7 Hz	24174-24174.7 Hz
24811-24811.7 Hz	26954-26954.7 Hz	27114-27114.7 Hz	30463.3-30464 Hz	34557.3-34558 Hz
34854-34854.7 Hz	38144-38144.7 Hz	38682-38682.7 Hz	41561-41561.7 Hz	41623-41623.7 Hz
41735-41735.7 Hz	42713-42713.7 Hz	44575.3-44576 Hz	46662-46662.7 Hz	48173-48173.7 Hz
50292-50292.7 Hz;				

(b) when the cancer is neuroendocrine cancer, the frequency synthesizer is configured to generate one or more neuroendocrine cancer specific amplitude modulation frequencies comprising:

Table 3

843-843.7 Hz	1656-1656.7 Hz	2423-2423.7 Hz	2480-2480.7 Hz	2707-2707.7 Hz
2890-2890.7 Hz	3080.3-3081 Hz	3661-3661.7 Hz	3678-3678.7 Hz	3976.4-3977 Hz
4048-4048.7 Hz	4055-4055.7 Hz	4368.3-4369 Hz	4459-4459.7 Hz	4621-4621.7 Hz
4837-4837.7 Hz	4866-4866.7 Hz	5165.4-5166 Hz	5265-5265.7 Hz	5270-5270.7 Hz
6436-6436.7 Hz	7037-7037.7 Hz	8008-8008.7 Hz	8024-8024.7 Hz	8097-8097.7 Hz
8427-8427.7 Hz	8478.3-8479 Hz	8480-8480.7 Hz	8492-8492.7 Hz	8853-8853.7 Hz
8877-8877.7 Hz	9122-9122.7 Hz	9131-9131.7 Hz	9174-9174.7 Hz	10073-10073.7 Hz

10848.7-10849.3 Hz	11267-11267.7 Hz	11336-11336.7 Hz	11524-11524.7 Hz	11551.3-11552 Hz
11927.4-11928 Hz	12309-12309.7 Hz	13617-13617.7 Hz	13674-13674.7 Hz	13774-13774.7 Hz
14350-14350.7 Hz	14456-14456.7 Hz	14479-14479.7 Hz	14540-14540.7 Hz	14553-14553.7 Hz
14756-14756.7 Hz	14922-14922.7 Hz	14961-14961.7 Hz	15226-15226.7 Hz	15817-15817.7 Hz
15825-15825.7 Hz	15835-15835.7 Hz	15836-15836.7 Hz	15897-15897.7 Hz	16071-16071.7 Hz
17417-17417.7 Hz	17418-17418.7 Hz	17473-17473.7 Hz	17474-17474.7 Hz	17621-17621.7 Hz
17655-17655.7 Hz	18655-18655.7 Hz	18672-18672.7 Hz	18678-18678.7 Hz	19393-19393.7 Hz
19426-19426.7 Hz	19817-19817.7 Hz	19819-19819.7 Hz	19861-19861.7 Hz	19867-19867.7 Hz
20818-20818.7 Hz	21708-21708.7 Hz	21720-21720.7 Hz	21865-21865.7 Hz	21876-21876.7 Hz
22119-22119.7 Hz	22454-22454.7 Hz	24073-24073.7 Hz	30304-30304.7 Hz	31685-31685.7 Hz
43633-43633.7 Hz	44773-44773.7 Hz	46662-46662.7 Hz	46793-46793.7 Hz	48103-48103.7 Hz
50243-50243.7 Hz;				

(c) when the cancer is non-Hodgkin lymphoma, the frequency synthesizer is configured to generate one or more non-Hodgkin lymphoma specific amplitude modulation frequencies comprising:

Table 5

3222-3222.7 Hz	3228-3228.7 Hz	3272-3272.7 Hz	3618-3618.7 Hz	4523-4523.7 Hz
4556-4556.7 Hz	4584-4584.7 Hz	5116-5116.7 Hz	5142-5142.7 Hz	6413-6413.7 Hz
6419.3-6420 Hz	6441-6441.7 Hz	6474-6474.7 Hz	6911.3-6912 Hz	6912-6912.7 Hz
6943-6943.7 Hz	7551-7551.7 Hz	7811-7811.7 Hz	7857-7857.7 Hz	7865-7865.7 Hz
8125-8125.7 Hz	9106-9106.7 Hz	9161-9161.7 Hz	9179-9179.7 Hz	9230-9230.7 Hz
9236-9236.7 Hz	9247-9247.7 Hz	11730.6-11731.1 Hz	11785-11785.7 Hz	13222-13222.7 Hz
13751-13751.7 Hz	13780-13780.7 Hz	15006-15006.7 Hz	15033-15033.7 Hz	15056-15056.7 Hz
15729-15729.7 Hz	15773-15773.7 Hz	17229-17229.7 Hz	17246-17246.7 Hz	17268-17268.7 Hz
20256-20256.7 Hz	22444-22444.7 Hz	30666-30666.7 Hz	30713-30713.7 Hz	30843-30843.7 Hz
38216-38216.7 Hz;				

(d) when the cancer is adenocarcinoma of the pancreas, the frequency synthesizer is configured to generate one or more adenocarcinoma of the pancreas specific amplitude modulation frequencies comprising:

Table 6

403-403.7 Hz	441-441.7 Hz	527-527.7 Hz	624.32-624.8 Hz	633-633.7 Hz
727-727.7 Hz	759-759.7 Hz	785-785.7 Hz	811-811.7 Hz	829-829.7 Hz
841-841.7 Hz	962-962.7 Hz	964.5-965 Hz	972-972.7 Hz	974.4-975 Hz
977-977.7 Hz	1179.2-1179.8 Hz	1250.3-1251 Hz	1314-1314.7 Hz	1352-1352.7 Hz
1622-1622.7 Hz	1652-1652.7 Hz	1656-1656.7 Hz	1670.3-1671 Hz	1914-1914.7 Hz
2346-2346.7 Hz	2362-2362.7 Hz	2380-2380.7 Hz	2469.2-2469.7 Hz	2627-2627.7 Hz
2706-2706.7 Hz	2720.3-2721 Hz	2726-2726.7 Hz	2754-2754.7 Hz	2778-2778.7 Hz
2842-2842.7 Hz	2864-2864.7 Hz	2940-2940.7 Hz	2988-2988.7 Hz	3234-3234.7 Hz
3280.6-3281.3 Hz	3366-3366.7 Hz	3428-3428.7 Hz	3446-3446.7 Hz	3466-3466.7 Hz
3523-3523.7 Hz	3605-3605.7 Hz	3622.5-3623 Hz	3627-3627.7 Hz	3631-3631.7 Hz
3656-3656.7 Hz	3663-3663.7 Hz	3667-3667.7 Hz	3687-3687.7 Hz	4152-4152.7 Hz
4233-4233.7 Hz	4249-4249.7 Hz	4281-4281.7 Hz	4368.3-4369 Hz	4417-4417.7 Hz
4425-4425.7 Hz	4440.4-4441 Hz	4465-4465.7 Hz	4480.9-4481.35 Hz	4580.11-4580.7 Hz
4621-4621.7 Hz	4637-4637.7 Hz	4657-4657.6 Hz	4725-4725.7 Hz	4733-4733.7 Hz
4749-4749.7 Hz	4841-4841.7 Hz	4924-4924.7 Hz	4946-4946.7 Hz	5063-5063.7 Hz
5089-5089.7 Hz	5378.2-5378.7 Hz	5424-5424.7 Hz	5438-5438.7 Hz	6112-6112.7 Hz
6159-6159.7 Hz	6161.3-6162 Hz	6167-6167.7 Hz	6179-6179.7 Hz	6220.3-6221 Hz
6346-6346.7 Hz	6380.4-6381 Hz	6808-6808.7 Hz	6825-6825.7 Hz	6847-6847.7 Hz
6850-6850.7 Hz	6878-6878.7 Hz	7036-7036.7 Hz	7037-7037.7 Hz	7118-7118.7 Hz
7160-7160.7 Hz	7432-7432.7 Hz	7541-7541.7 Hz	7676-7676.7 Hz	7936-7936.7 Hz
8024-8024.7 Hz	8032-8032.7 Hz	8043-8043.7 Hz	8447-8447.7 Hz	8734-8734.7 Hz
8756-8756.7 Hz	8757-8757.7 Hz	8809-8809.7 Hz	8823-8823.7 Hz	8841-8841.7 Hz
8845-8845.7 Hz	8846-8846.7 Hz	8872-8872.7 Hz	9133-9133.7 Hz	9155.7-9156.2 Hz
9520-9520.7 Hz	9859-9859.7 Hz	10342-10342.6 Hz	10352-10352.7 Hz	10378-10378.7 Hz
10436-10436.7 Hz	10566.4-10567 Hz	10633-10633.7 Hz	10641-10641.7 Hz	10671-10671.7 Hz
10708-10708.7 Hz	10859-10859.7 Hz	10876-10876.7 Hz	11174-11174.7 Hz	11220-11220.7 Hz
11247-11247.7 Hz	11264-11264.7 Hz	11284-11284.7 Hz	11630-11630.7 Hz	11994-11994.7 Hz
12120.2-12120.7 Hz	12135-12135.7 Hz	12152-12152.7 Hz	12184-12184.7 Hz	12711-12711.7 Hz
13375-13375.7 Hz	13571-13571.7 Hz	13636.2-13636.7 Hz	13738.3-13739 Hz	13947-13947.7 Hz
14116-14116.7 Hz	14279-14279.7 Hz	14376-14376.7 Hz	14462-14462.7 Hz	14519-14519.7 Hz
14558-14558.7 Hz	14729-14729.7 Hz	14940.4-14941 Hz	14957-14957.7 Hz	15179-15179.7 Hz
15225-15225.6 Hz	15536-15536.7 Hz	15576-15576.7 Hz	15597-15597.7 Hz	15663-15663.7 Hz
15678-15678.7 Hz	15711-15711.7 Hz	15724-15724.7 Hz	15740-15740.7 Hz	15749-15749.7 Hz
15824-15824.7 Hz	15867-15867.7 Hz	16143-16143.7 Hz	17214-17214.7 Hz	17253-17253.7 Hz

17271-17271.7 Hz	17283-17283.7 Hz	17739-17739.7 Hz	17944-17944.7 Hz	17962-17962.7 Hz
18279-18279.7 Hz	18678.7-18679.3 Hz	18921-18921.7 Hz	18922-18922.7 Hz	19059-19059.7 Hz
19464-19464.7 Hz	19686-19686.4 Hz	19724-19724.7 Hz	20123-20123.7 Hz	20128-20128.7 Hz
20144-20144.7 Hz	20149.3-20150 Hz	20219-20219.7 Hz	20254-20254.7 Hz	21546-21546.7 Hz
21616-21616.7 Hz	21664-21664.7 Hz	21840-21840.7 Hz	21876-21876.7 Hz	21894-21894.7 Hz
22355-22355.7 Hz	22430-22430.7 Hz	22597-22597.7 Hz	22742-22742.7 Hz	22822-22822.7 Hz
22846-22846.7 Hz	22867-22867.7 Hz	23237-23237.7 Hz	23284-23284.7 Hz	24228-24228.7 Hz
24275-24275.7 Hz	24508-24508.7 Hz	24609.3-24610 Hz	24841-24841.7 Hz	27478-27478.7 Hz
32143-32143.7 Hz	32493-32493.7 Hz	33546-33546.7 Hz	40133-40133.7 Hz	40595-40595.7 Hz
44913-44913.7 Hz	45474-45474.7 Hz	46672.3-46673 Hz	48204-48204.7 Hz	48314-48314.7 Hz
50072-50072.7 Hz	50254-50254.7 Hz	52812-52812.7 Hz	79867-79867.7 Hz	80993.3-80994 Hz
91877-91877.7 Hz	95742-95742.7 Hz;			

(e) when the cancer is head and neck cancer, the frequency synthesizer is configured to generate one or more head and neck cancer specific amplitude modulation frequencies comprising:

Table 8

1858-1858.7 Hz	2893-2893.7 Hz	5152-5152.7 Hz	6897-6897.7 Hz	7080-7080.7 Hz
7136-7136.7 Hz	7274-7274.7 Hz	8755-8755.7 Hz	9573-9573.7 Hz	9656-9656.7 Hz
10439-10439.7 Hz	10484-10484.7 Hz	10645-10645.7 Hz	10673-10673.7 Hz	11559-11559.7 Hz
14052-14052.7 Hz	17379-17379.7 Hz	19269-19269.7 Hz;		

(f) when the cancer is gastric cancer, the frequency synthesizer is configured to generate one or more gastric cancer specific amplitude modulation frequencies comprising:

Table 9

374-374.7 Hz	560-560.7 Hz	628-628.7 Hz	642.4-643 Hz	708.3-709 Hz
749-749.7 Hz	806-806.6 Hz	825-825.7 Hz	843-843.7 Hz	914-914.7 Hz
959-959.7 Hz	969-969.7 Hz	1157-1157.7 Hz	1436-1436.7 Hz	1656-1656.7 Hz
2379.3-2380 Hz	2417-2417.7 Hz	2436-2436.7 Hz	2455-2455.7 Hz	2478-2478.7 Hz
2747-2747.7 Hz	2762-2762.7 Hz	2774-2774.7 Hz	2856.4-2857 Hz	2891-2891.7 Hz
2981-2981.7 Hz	3104.3-3105 Hz	3133-3133.7 Hz	3522-3522.7 Hz	3537-3537.7 Hz
3549-3549.7 Hz	3556-3556.7 Hz	3595-3595.7 Hz	3927-3927.7 Hz	4154-4154.7 Hz
4548-4548.7 Hz	4723-4723.7 Hz	5286-5286.7 Hz	5494.4-5495 Hz	5548.3-5549 Hz
5742-5742.7 Hz	6010-6010.7 Hz	6064-6064.7 Hz	6329-6329.7 Hz	6444-6444.7 Hz
6469-6469.7 Hz	6488-6488.7 Hz	7222.4-7223 Hz	7646-7646.7 Hz	7748-7748.7 Hz
7855-7855.7 Hz	7927-7927.7 Hz	7951-7951.7 Hz	7970-7970.7 Hz	7979-7979.7 Hz

8039-8039.7 Hz	8055.4-8056 Hz	8926-8926.7 Hz	9109-9109.7 Hz	9123-9123.7 Hz
9136-9136.7 Hz	9146-9146.7 Hz	9157-9157.7 Hz	9194-9194.7 Hz	10137-10137.7 Hz
10345-10345.7 Hz	10727-10727.7 Hz	10802-10802.7 Hz	11533-11533.7 Hz	12165-12165.7 Hz
13241-13241.7 Hz	13307-13307.7 Hz	13330.7-13331.2 Hz	13408-13408.7 Hz	13434-13434.7 Hz
13714-13714.7 Hz	13746-13746.7 Hz	14016.4-14017 Hz	14160-14160.7 Hz	14483-14483.7 Hz
14511-14511.7 Hz	14670.4-14671 Hz	16309-16309.7 Hz	17418-17418.7 Hz	17455-17455.7 Hz
17485-17485.7 Hz	17581-17581.7 Hz	19125-19125.7 Hz	21430-21430.7 Hz	21714-21714.7 Hz
23946-23946.7 Hz	39586-39586.7 Hz	40734-40734.7 Hz	41172-41172.7 Hz	42146-42146.7 Hz
46143-46143.7 Hz;				

(g) when the cancer is glioblastoma, the frequency synthesizer is configured to generate one or more glioblastoma specific amplitude modulation frequencies comprising:

Table 10

262-262.7 Hz	295-295.6 Hz	415-415.7 Hz	418-418.7 Hz	423-423.7 Hz
434-434.7 Hz	440.4-441 Hz	476-476.7 Hz	556-556.7 Hz	608-608.7 Hz
612-612.7 Hz	627-627.7 Hz	656-656.7 Hz	694-694.7 Hz	708.3-709 Hz
741-741.7 Hz	752.4-753 Hz	757-757.6 Hz	759-759.7 Hz	776-776.7 Hz
796.3-797 Hz	836-836.7 Hz	941-941.7 Hz	1027-1027.7 Hz	1045-1045.7 Hz
1195-1195.7 Hz	1868-1868.7 Hz	1897-1897.7 Hz	2044-2044.7 Hz	2439-2439.7 Hz
2612-2612.7 Hz	2632-2632.7 Hz	2653.3-2654 Hz	2686-2686.7 Hz	2690-2690.7 Hz
2697-2697.7 Hz	2738-2738.7 Hz	3157-3157.7 Hz	3218-3218.7 Hz	3227.3-3228 Hz
3249-3249.7 Hz	3277.3-3278 Hz	3281.6-3282.1 Hz	3436-3436.7 Hz	3633-3633.7 Hz
3656-3656.7 Hz	3962-3962.7 Hz	4148-4148.7 Hz	4241-4241.7 Hz	4410-4410.7 Hz
4416-4416.7 Hz	4454-4454.7 Hz	4619-4619.7 Hz	4632-4632.7 Hz	4853-4853.7 Hz
5139-5139.7 Hz	5156-5156.7 Hz	5996-5996.7 Hz	6292-6292.7 Hz	6297-6297.7 Hz
6459-6459.7 Hz	6474-6474.7 Hz	6492.3-6493 Hz	6626.3-6627 Hz	6727.4-6728 Hz
6809-6809.6 Hz	6841-6841.7 Hz	6915.3-6916 Hz	6943-6943.7 Hz	7110-7110.7 Hz
7182.4-7183 Hz	7194.3-7195 Hz	7268-7268.7 Hz	7323-7323.7 Hz	7480-7480.7 Hz
7663-7663.7 Hz	7796-7796.7 Hz	7936-7936.7 Hz	8070-8070.7 Hz	8128.4-8129 Hz
8145-8145.7 Hz	8158-8158.7 Hz	8314-8314.7 Hz	8355-8355.7 Hz	8484-8484.7 Hz
9138.3-9139 Hz	9155.7-9156.2Hz	9921-9921.7 Hz	10427-10427.7 Hz	10468-10468.7 Hz
10478-10478.7 Hz	10719-10719.7 Hz	10802-10802.7 Hz	10809-10809.7 Hz	10851-10851.7 Hz
11556-11556.7 Hz	11913-11913.7 Hz	12828.3-12829 Hz	13686.4-13687 Hz	14249-14249.7 Hz
14515.4-14516 Hz	14586.3-14587 Hz	14796-14796.7 Hz	15067-15067.7 Hz	15112-15112.7 Hz
17095-17095.7 Hz	17167-17167.7 Hz	18090-18090.7 Hz	18670.3-18671 Hz	18895-18895.7 Hz
19026-19026.7 Hz	20237-20237.7 Hz	20254-20254.7 Hz	20286-20286.7 Hz	24196-24196.7 Hz
25199-25199.7 Hz	26073-26073.7 Hz	26163-26163.7 Hz	26164-26164.7 Hz	30759-30759.7 Hz
32591.3-32592 Hz	36343-36343.7 Hz	41883-41883.7 Hz	44517-44517.7 Hz	44531-44531.7 Hz
45490-45490.7 Hz	47297-47297.7 Hz	49434-49434.7 Hz	50229-50229.7 Hz	69481-69481.7 Hz
78477.4-78478 Hz	80993.3-80994 Hz	81999-81999.7 Hz	85810-85810.7 Hz	89748-89748.7 Hz
92182-92182.7 Hz	95245-95245.7 Hz;			

(h) when the cancer is squamous cell carcinoma of the anal canal, the frequency synthesizer is configured to generate one or more squamous cell carcinoma of the anal canal specific amplitude modulation frequencies comprising:

Table 11

295-295.6 Hz	304-304.7 Hz	436-436.7 Hz	581-581.7 Hz	679-679.7 Hz
694.3-695 Hz	708.3-709 Hz	796.3-797 Hz	1759-1759.7 Hz	1858-1858.7 Hz
1873-1873.7 Hz	2442-2442.7 Hz	2522-2522.7 Hz	2648-2648.7 Hz	2893-2893.7 Hz
2975-2975.7 Hz	2981-2981.7 Hz	3238-3238.7 Hz	3249.3-3250 Hz	3250.3-3250.8 Hz
3461-3461.7 Hz	3531-3531.7 Hz	3535-3535.7 Hz	3681-3681.7 Hz	4279-4279.7 Hz
4440.4-4441 Hz	4718-4718.7 Hz	4876-4876.7 Hz	5034-5034.7 Hz	5068-5068.7 Hz
5151-5151.7 Hz	5249-5249.7 Hz	5286-5286.7 Hz	5869-5869.7 Hz	5881-5881.7 Hz
6298.4-6299 Hz	6851-6851.7 Hz	6879-6879.7 Hz	6882.4-6883 Hz	6897-6897.7 Hz
6980.3-6981 Hz	7136-7136.7 Hz	7274-7274.7 Hz	7673-7673.7 Hz	7930-7930.7 Hz
7981-7981.7 Hz	8328-8328.7 Hz	8432-8432.7 Hz	8755-8755.7 Hz	8949-8949.7 Hz
9656-9656.7 Hz	10439-10439.7 Hz	10484-10484.7 Hz	11145-11145.7 Hz	11159-11159.7 Hz
11253-11253.7 Hz	11260-11260.7 Hz	11277.3-11278 Hz	11559-11559.7 Hz	11699-11699.7 Hz
11905-11905.7 Hz	12139-12139.7 Hz	13819-13819.7 Hz	13847-13847.7 Hz	13903-13903.7 Hz
17379-17379.7 Hz	18618-18618.7 Hz	18742-18742.7 Hz	21445-21445.7 Hz	21467-21467.7 Hz
22763-22763.7 Hz	33536-33536.7 Hz	37527-37527.7 Hz	37546-37546.7 Hz	53079-53079.7 Hz
58094-58094.7 Hz	59288-59288.7 Hz	59997-59997.7 Hz	88281-88281.7 Hz;	

(i) when the cancer is hepatocellular carcinoma, the frequency synthesizer is configured to generate one or more hepatocellular carcinoma specific amplitude modulation frequencies comprising:

Table 12

439-439.7 Hz	594-594.7 Hz	737-737.7 Hz	817-817.7 Hz	966-966.7 Hz
996-996.7 Hz	1785-1785.7 Hz	1823-1823.7 Hz	1881-1881.7 Hz	1963-1963.7 Hz
1973-1973.7 Hz	2189-2189.7 Hz	2321-2321.7 Hz	2372.3-2372.8 Hz	2459-2459.7 Hz
2647-2647.7 Hz	2825-2825.7 Hz	2836-2836.7 Hz	2860-2860.7 Hz	2971-2971.6 Hz
3171-3171.7 Hz	3188-3188.7 Hz	3749-3749.7 Hz	3762-3762.7 Hz	3823-3823.7 Hz
4007-4007.7 Hz	4013-4013.7 Hz	4454-4454.7 Hz	4997-4997.7 Hz	5151-5151.7 Hz
5239-5239.7 Hz	5322-5322.7 Hz	6317-6317.7 Hz	6330-6330.7 Hz	6334-6334.7 Hz
6432-6432.7 Hz	6840-6840.7 Hz	7098-7098.7 Hz	7169-7169.7 Hz	7239-7239.7 Hz
7338-7338.7 Hz	7378-7378.7 Hz	7481-7481.7 Hz	7510-7510.7 Hz	7719-7719.7 Hz
7748-7748.7 Hz	7787-7787.7 Hz	8388-8388.7 Hz	8412-8412.7 Hz	9588-9588.7 Hz
8522-8522.7 Hz	8845-8845.7 Hz	8935-8935.6 Hz	8949-8949.7 Hz	9273-9273.7 Hz
9695-9695.7 Hz	10387-10387.7 Hz	10641-10641.7 Hz	10731-10731.7 Hz	10740-10740.7 Hz
10762-10762.7 Hz	10768-10768.7 Hz	10776-10776.7 Hz	10805-10805.7 Hz	10831-10831.7 Hz

10889-10889.7 Hz	11209-11209.7 Hz	11243-11243.7 Hz	11247-11247.7 Hz	11275-11275.7 Hz
11295-11295.7 Hz	11569-11569.7 Hz	11590-11590.7 Hz	11946-11946.7 Hz	12498-12498.7 Hz
12572-12572.7 Hz	12649-12649.7 Hz	13215-13215.7 Hz	13252-13252.7 Hz	13735-13735.7 Hz
13856-13856.7 Hz	14114-14114.7 Hz	14170.7-14171.3 Hz	14532-14532.7 Hz	14574-14574.7 Hz
15521-15521.7 Hz	15528-15528.7 Hz	15546.3-15547 Hz	15589-15589.7 Hz	15982-15982.7 Hz
16381-16381.7 Hz	17556-17556.7 Hz	17749-17749.7 Hz	17978-17978.7 Hz	18030-18030.7 Hz
18246-18246.7 Hz	18567-18567.7 Hz	18686-18686.7 Hz	18842-18842.7 Hz	18897-18897.7 Hz
19510-19510.7 Hz	20324-20324.7 Hz	20825-20825.7 Hz	20908-20908.7 Hz	21616-21616.7 Hz
21778-21778.7 Hz	21876-21876.7 Hz	22353-22353.7 Hz	22459-22459.7 Hz	22535-22535.7 Hz
22709-22709.7 Hz	23509-23509.7 Hz	23526-23526.7 Hz	23560-23560.7 Hz	23589-23589.7 Hz
23957-23957.7 Hz	24014-24014.7 Hz	24117-24117.7 Hz	24869-24869.7 Hz	25449-25449.7 Hz
25454-25454.7 Hz	26722-26722.7 Hz	26861-26861.7 Hz	30942-30942.7 Hz	31713-31713.7 Hz
32866-32866.7 Hz	32870-32870.7 Hz	33765-33765.7 Hz	34405-34405.7 Hz	34562-34562.7 Hz
34984-34984.6 Hz	36410-36410.7 Hz	38483-38483.7 Hz	38659-38659.7 Hz	39035-39035.7 Hz
39223-39223.7 Hz	39510-39510.7 Hz	39729-39729.7 Hz	40693-40693.7 Hz	41244-41244.7 Hz
41574-41574.7 Hz	42913-42913.7 Hz	42923-42923.7 Hz	43243-43243.7 Hz	43413-43413.7 Hz
43542-43542.7 Hz	43603-43603.7 Hz	44742-44742.7 Hz	47693.4-47694 Hz	51592-51592.7 Hz
53947-53947.7 Hz	55072-55072.7 Hz	56093-56093.7 Hz	59089-59089.7 Hz	66969-66969.7 Hz
67683-67683.7 Hz	76537-76537.7 Hz	78229-78229.7 Hz	82845-82845.7 Hz	83612-83612.7 Hz
84086-84086.7 Hz	91245-91245.7 Hz	92361.3-92362 Hz	93332-93332.7 Hz	93530-93530.7 Hz
94968.3-94969 Hz	99281-99281.7 Hz	99846-99846.7 Hz;		

(j) when the cancer is cholangiocarcinoma, the frequency synthesizer is configured to generate one or more cholangiocarcinoma specific amplitude modulation frequencies comprising:

Table 14

334-334.7 Hz	380-380.7 Hz	410-410.7 Hz	427-427.6 Hz	434-434.7 Hz
476-476.7 Hz	527-527.7 Hz	560-560.7 Hz	624-624.7 Hz	642.4-643 Hz
657-657.7 Hz	677.4-678 Hz	728-728.7 Hz	806-806.6 Hz	809-809.7 Hz
845-845.7 Hz	920-920.7 Hz	961-961.7 Hz	963.8-964.25Hz	964.3-964.8 Hz
974.4-975 Hz	1156.3-1157 Hz	1157-1157.7 Hz	1755-1755.7 Hz	1873-1873.7 Hz

1967-1967.7 Hz	2017.4-2018 Hz	2021-2021.7 Hz	2023-2023.7 Hz	2035-2035.7 Hz
2053-2053.7 Hz	2065-2065.7 Hz	2083-2083.7 Hz	2094-2094.7 Hz	2111-2111.7 Hz
2128-2128.7 Hz	2278-2278.7 Hz	2284-2284.7 Hz	2308-2308.7 Hz	2324-2324.7 Hz
2338-2338.7 Hz	2362-2362.7 Hz	2381-2381.7 Hz	2419-2419.7 Hz	2425-2425.7 Hz
2430-2430.7 Hz	2431-2431.6 Hz	2471-2471.7 Hz	2480-2480.7 Hz	2522-2522.7 Hz
2636-2636.7 Hz	2669-2669.7 Hz	2679-2679.7 Hz	2685-2685.6 Hz	2716-2716.6 Hz
2743.4-2744 Hz	2835-2835.7 Hz	2854-2854.7 Hz	2865-2865.7 Hz	2873.3-2874 Hz
2886-2886.7 Hz	3009-3009.7 Hz	3020-3020.7 Hz	3042-3042.6 Hz	3076.3-3077 Hz
3104.3-3105 Hz	3135-3135.7 Hz	3143-3143.7 Hz	3160.4-3161 Hz	3167-3167.7 Hz
3206-3206.7 Hz	3255-3255.7 Hz	3267-3267.7 Hz	3269-3269.7 Hz	3330.4-3331 Hz
3516-3516.7 Hz	3531-3531.7 Hz	3549-3549.7 Hz	3564-3564.7 Hz	3572-3572.7 Hz
3576-3576.7 Hz	3619-3619.7 Hz	3630-3630.7 Hz	3637.7-3638.3 Hz	3644-3644.7 Hz
3696-3696.7 Hz	3749.3-3750 Hz	3947-3947.7 Hz	3954-3954.7 Hz	4013.4-4014 Hz
4079.4-4080 Hz	4123.4-4124 Hz	4281-4281.7 Hz	4289-4289.7 Hz	4312.4-4313 Hz
4418-4418.7 Hz	4426-4426.7 Hz	4441-4441.7 Hz	4685-4685.6 Hz	4707-4707.7 Hz
4715-4715.7 Hz	4732-4732.7 Hz	4732-4732.7 Hz	4748-4748.7 Hz	4767-4767.7 Hz
4812-4812.7 Hz	4821-4821.7 Hz	4873-4873.7 Hz	4874-4874.7 Hz	4876-4876.7 Hz
4941-4941.7 Hz	5209.4-5210 Hz	5229-5229.7 Hz	5243-5243.7 Hz	5247-5247.7 Hz
5262-5262.7 Hz	5271-5271.7 Hz	5387.3-5388 Hz	5573-5573.7 Hz	5671-5671.7 Hz
5679-5679.7 Hz	5966-5966.7 Hz	5976.3-5977 Hz	6064-6064.7 Hz	6086-6086.7 Hz
6180-6180.7 Hz	6479.4-6480 Hz	6513-6513.7 Hz	6711-6711.7 Hz	6779-6779.7 Hz
6915.3-6916 Hz	7019-7019.7 Hz	7043-7043.7 Hz	7130-7130.7 Hz	7213-7213.7 Hz
7228.3-7229 Hz	7234-7234.7 Hz	7246-7246.7 Hz	7268-7268.7 Hz	7367-7367.7 Hz
7482-7482.7 Hz	7510.4-7511 Hz	7680.3-7681 Hz	7862-7862.7 Hz	7935-7935.7 Hz
8012.3-8013 Hz	8013-8013.7 Hz	8026-8026.7 Hz	8028-8028.7 Hz	8028-8028.7 Hz
8055.4-8056 Hz	8072-8072.7 Hz	8074-8074.7 Hz	8079-8079.7 Hz	8141-8141.7 Hz
8336-8336.7 Hz	8394.3-8395 Hz	8421-8421.7 Hz	8432-8432.7 Hz	8452-8452.7 Hz
8492-8492.7 Hz	8509.4-8510 Hz	8542-8542.7 Hz	8779-8779.7 Hz	8789.3-8790 Hz
8818-8818.7 Hz	8852-8852.7 Hz	8993-8993.7 Hz	9023-9023.7 Hz	9112-9112.7 Hz
9332-9332.7 Hz	9753-9753.7 Hz	9846-9846.7 Hz	10140-10140.7 Hz	10317-10317.7 Hz
10362-10362.7 Hz	10488-10488.7 Hz	10661-10661.7 Hz	10665.4-10666 Hz	10690-10690.7 Hz
10866-10866.7 Hz	11081-11081.7 Hz	11109.3-11110 Hz	11219-11219.7 Hz	11582-11582.7 Hz
11619-11619.7 Hz	11637-11637.7 Hz	11802.3-11803 Hz	11809-11809.7 Hz	11831-11831.7 Hz
11872-11872.7 Hz	11904.3-11905 Hz	12024.3-12025 Hz	12228-12228.7 Hz	12247-12247.7 Hz
12260.4-12261 Hz	12274-12274.7 Hz	12682-12682.7 Hz	12752-12752.7 Hz	12783-12783.7 Hz
12785-12785.7 Hz	13127-13127.7 Hz	13457-13457.7 Hz	13609-13609.7 Hz	13734-13734.7 Hz
13747-13747.7 Hz	13755-13755.7 Hz	13760-13760.7 Hz	13761-13761.7 Hz	13767-13767.7 Hz
13981-13981.7 Hz	14005-14005.7 Hz	14027-14027.7 Hz	14070-14070.7 Hz	14078-14078.7 Hz
14356-14356.7 Hz	14531-14531.7 Hz	14545-14545.7 Hz	14564-14564.7 Hz	14828-14828.7 Hz
14867-14867.7 Hz	14913.4-14914 Hz	14940-14940.7 Hz	15173-15173.7 Hz	15224-15224.7 Hz

15244-15244.7 Hz	15432-15432.7 Hz	15460-15460.7 Hz	15515-15515.7 Hz	15539-15539.7 Hz
15550.4-15551 Hz	15857-15857.7 Hz	16082-16082.7 Hz	16515-16515.7 Hz	17636-17636.7 Hz
17673-17673.7 Hz	18087-18087.7 Hz	18222-18222.7 Hz	18521-18521.7 Hz	18585-18585.7 Hz
19347-19347.7 Hz	19889-19889.7 Hz	21466-21466.7 Hz	21567-21567.7 Hz	21844-21844.7 Hz
21870-21870.7 Hz	21894-21894.7 Hz	22073-22073.7 Hz	22119-22119.7 Hz	22411-22411.7 Hz
22437-22437.7 Hz	22479-22479.7 Hz	22582-22582.7 Hz	22730-22730.6 Hz	22832-22832.7 Hz
22863-22863.7 Hz	23237-23237.7 Hz	23261-23261.7 Hz	23444-23444.7 Hz	26212-26212.7 Hz
27291-27291.7 Hz	31051-31051.7 Hz	35296-35296.7 Hz	37680-37680.7 Hz	39053-39053.7 Hz
39183-39183.7 Hz	39423-39423.7 Hz	40111-40111.7 Hz	41557-41557.7 Hz	42293-42293.7 Hz
43172-43172.7 Hz	43379-43379.7 Hz	44855-44855.7 Hz	45163-45163.7 Hz	45362-45362.7 Hz
46666-46666.7 Hz	46673-46673.7 Hz	46689-46689.6 Hz	51008-51008.7 Hz	52063-52063.7 Hz
52786-52786.7 Hz	52912-52912.7 Hz	55723-55723.7 Hz	61287-61287.7 Hz	61789-61789.7 Hz
71635-71635.7 Hz	86521-86521.7 Hz	87798.3-87799 Hz	88898-88898.7 Hz	91271-91271.7 Hz
92787-92787.7 Hz;				

(k) when the cancer is mesothelioma, the frequency synthesizer is configured to generate one or more mesothelioma specific amplitude modulation frequencies comprising:

Table 15

262-262.7 Hz	412-412.7 Hz	418-418.7 Hz	429-429.7 Hz	441-441.7 Hz
442-442.7 Hz	465-465.7 Hz	485-485.7 Hz	517-517.7 Hz	556-556.7 Hz
581-581.7 Hz	612-612.7 Hz	626-626.7 Hz	638-638.7 Hz	664-664.7 Hz
694.3-695 Hz	708.3-709 Hz	734.4-735 Hz	761-761.7 Hz	764-764.7 Hz
776-776.7 Hz	806-806.6 Hz	831-831.7 Hz	883-883.7 Hz	1191-1191.7 Hz
1591-1591.7 Hz	2475.4-2476 Hz	2581-2581.7 Hz	2749-2749.7 Hz	2988-2988.7 Hz
3042-3042.6 Hz	3131-3131.7 Hz	3193-3193.7 Hz	3240-3240.7 Hz	3335-3335.7 Hz
3371-3371.7 Hz	3518-3518.7 Hz	3523-3523.7 Hz	3530-3530.7 Hz	3556-3556.7 Hz
3621-3621.7 Hz	3656-3656.7 Hz	3674-3674.7 Hz	3681.7-3682.3 Hz	3817-3817.7 Hz
3833-3833.7 Hz	3877-3877.7 Hz	3948-3948.7 Hz	3958-3958.6 Hz	4044-4044.7 Hz
4190-4190.7 Hz	4261-4261.7 Hz	4330-4330.7 Hz	5496-5496.7 Hz	5640.4-5641 Hz
6416.3-6417 Hz	6441-6441.7 Hz	6717-6717.7 Hz	6758-6758.7 Hz	6783-6783.7 Hz
7110-7110.7 Hz	7140-7140.7 Hz	7154-7154.7 Hz	7156-7156.7 Hz	7253-7253.7 Hz
7283-7283.7 Hz	7546-7546.7 Hz	7725-7725.7 Hz	8386-8386.7 Hz	8562.4-8563 Hz
8810-8810.7 Hz	8827.4-8828 Hz	8843-8843.7 Hz	8859.3-8860 Hz	8863-8863.7 Hz
8877-8877.7 Hz	8881-8881.7 Hz	9075-9075.7 Hz	9929-9929.7 Hz	9947-9947.7 Hz
9970-9970.7 Hz	11023-11023.7 Hz	11031-11031.7 Hz	11042-11042.7 Hz	11046-11046.7 Hz

11074-11074.7 Hz	11083-11083.7 Hz	11124-11124.7 Hz	11540-11540.7 Hz	11831-11831.7 Hz
11929-11929.7 Hz	11956-11956.7 Hz	12267-12267.7 Hz	12929-12929.7 Hz	13674-13674.7 Hz
13742-13742.7 Hz	14285-14285.7 Hz	14947-14947.7 Hz	15531-15531.7 Hz	17737-17737.7 Hz
17757-17757.7 Hz	18121-18121.7 Hz	18126-18126.7 Hz	18140-18140.7 Hz	18921-18921.7 Hz
19406-19406.7 Hz	19476-19476.7 Hz	19577-19577.7 Hz	20634-20634.7 Hz	21372-21372.7 Hz
22411-22411.7 Hz	22519-22519.7 Hz	22538-22538.7 Hz	22548-22548.7 Hz	23111-23111.7 Hz
23921-23921.7 Hz	24112-24112.7 Hz	24146-24146.7 Hz	39153-39153.7 Hz;	

(l) when the cancer is thyroid cancer, the frequency synthesizer is configured to generate one or more thyroid cancer specific amplitude modulation frequencies comprising:

Table 17

834-834.7 Hz	836-836.7 Hz	845-845.7 Hz	1213-1213.7 Hz	1220-1220.7 Hz
1252-1252.7 Hz	1815-1815.7 Hz	1966-1966.7 Hz	2050-2050.7 Hz	2313-2313.7 Hz
2318-2318.7 Hz	2320-2320.7 Hz	2328-2328.7 Hz	2336-2336.7 Hz	2359-2359.7 Hz
2373-2373.7 Hz	2380-2380.7 Hz	2425-2425.7 Hz	2429-2429.7 Hz	2436-2436.7 Hz
2513-2513.7 Hz	2629-2629.7 Hz	2653.7-2654.4 Hz	2830-2830.7 Hz	2834-2834.7 Hz
3030-3030.7 Hz	3056-3056.7 Hz	3609-3609.7 Hz	3646-3646.7 Hz	3674-3674.7 Hz
3694-3694.7 Hz	3908.7-3909.22Hz	3981-3981.7 Hz	4027-4027.7 Hz	4386.4-4387 Hz
4425.7-4426.22Hz	4792-4792.7 Hz	4844-4844.7 Hz	4870-4870.7 Hz	5259-5259.7 Hz
5510-5510.7 Hz	5533-5533.7 Hz	5714-5714.7 Hz	5741-5741.7 Hz	5742-5742.7 Hz
5752-5752.7 Hz	5766-5766.7 Hz	6392-6392.7 Hz	6423-6423.7 Hz	6781-6781.7 Hz
6832-6832.7 Hz	6864-6864.7 Hz	7404.4-7405 Hz	7526-7526.6 Hz	7646-7646.7 Hz
7652-7652.7 Hz	7913-7913.7 Hz	8217.4-8218 Hz	8251-8251.7 Hz	8347-8347.7 Hz
8731-8731.7 Hz	8740-8740.7 Hz	8749-8749.7 Hz	8814-8814.7 Hz	9169-9169.7 Hz
9506-9506.7 Hz	10159-10159.7 Hz	10395-10395.7 Hz	10541-10541.7 Hz	10830-10830.7 Hz
10844-10844.7 Hz	10878-10878.7 Hz	10993-10993.7 Hz	11117-11117.7 Hz	11779-11779.7 Hz
11867-11867.7 Hz	12302-12302.7 Hz	12356-12356.7 Hz	13117-13117.7 Hz	13373-13373.7 Hz
13679-13679.7 Hz	13694-13694.7 Hz	14111-14111.7 Hz	14116-14116.7 Hz	14156-14156.7 Hz
14174-14174.7 Hz	14281-14281.7 Hz	14523-14523.7 Hz	14585-14585.7 Hz	14690-14690.7 Hz
14716-14716.7 Hz	14912-14912.7 Hz	14974-14974.7 Hz	15223-15223.7 Hz	15236-15236.7 Hz
15329-15329.7 Hz	15615-15615.7 Hz	15867-15867.7 Hz	15919-15919.7 Hz	15942-15942.7 Hz
16096-16096.7 Hz	18040-18040.7 Hz	18182-18182.7 Hz	18211-18211.7 Hz	18246-18246.7 Hz

18274-18274.7 Hz	18411-18411.7 Hz	18454-18454.7 Hz	18462-18462.7 Hz	18596-18596.7 Hz
19365-19365.7 Hz	19419-19419.7 Hz	19715-19715.7 Hz	19744-19744.7 Hz	19823-19823.7 Hz
20229-20229.7 Hz	20284-20284.7 Hz	20513-20513.7 Hz	20747-20747.7 Hz	21963-21963.7 Hz
22338-22338.7 Hz	22344-22344.7 Hz	22350-22350.7 Hz	22422-22422.7 Hz	22484-22484.7 Hz
22932-22932.7 Hz	23012-23012.7 Hz	23044-23044.7 Hz	23216-23216.7 Hz	23659-23659.7 Hz
23730-23730.7 Hz	24060-24060.7 Hz	24085-24085.7 Hz	26044-26044.7 Hz	26343-26343.7 Hz
27214-27214.7 Hz	28361-28361.7 Hz	33366-33366.7 Hz	33414-33414.7 Hz	33553-33553.7 Hz
34614-34614.7 Hz	35826-35826.7 Hz	40133-40133.7 Hz	40394-40394.7 Hz	40896-40896.7 Hz
40899-40899.7 Hz	41424-41424.7 Hz	41534-41534.7 Hz	41859-41859.7 Hz	41861-41861.7 Hz
42402-42402.7 Hz	43851-43851.7 Hz	44162-44162.7 Hz	44692-44692.7 Hz	45393-45393.7 Hz
45526-45526.7 Hz	46282-46282.7 Hz	46285-46285.7 Hz	47036-47036.7 Hz	48314-48314.7 Hz
48535-48535.7 Hz	52097-52097.7 Hz	54293-54293.7 Hz	54297-54297.7 Hz	55592-55592.7 Hz
57927-57927.7 Hz	59907-59907.7 Hz	65586-65586.7 Hz	67697-67697.6 Hz	71204-71204.7 Hz
71447-71447.7 Hz	74017-74017.7 Hz	76227-76227.7 Hz	76659-76659.7 Hz	82024-82024.7 Hz;

(m) when the cancer is prostate cancer, the frequency synthesizer is configured to generate one or more prostate cancer specific amplitude modulation frequencies comprising:

Table 19

408-408.7 Hz	429.7-430.3 Hz	561-561.7 Hz	568-568.7 Hz	572-572.7 Hz
631-631.7 Hz	709-709.7 Hz	717-717.7 Hz	733-733.7 Hz	810-810.7 Hz
817-817.7 Hz	830-830.7 Hz	1668-1668.7 Hz	1808-1808.6 Hz	2483-2483.7 Hz
2518-2518.7 Hz	2824-2824.7 Hz	3207-3207.7 Hz	3245-3245.7 Hz	3251-3251.7 Hz
3266.3-3267 Hz	3279.3-3280 Hz	3529-3529.7 Hz	3562-3562.7 Hz	3571-3571.7 Hz
3627-3627.7 Hz	3661-3661.7 Hz	3731-3731.7 Hz	3743-3743.7 Hz	3756-3756.7 Hz
3787-3787.7 Hz	3962-3962.7 Hz	4152-4152.7 Hz	4409-4409.7 Hz	4476-4476.7 Hz
4806-4806.7 Hz	4809-4809.7 Hz	4823-4823.7 Hz	4841-4841.7 Hz	4948-4948.7 Hz
4998-4998.7 Hz	5336-5336.7 Hz	5414-5414.7 Hz	5884-5884.7 Hz	6117-6117.7 Hz
6252-6252.7 Hz	6329-6329.7 Hz	6333-6333.7 Hz	6748-6748.7 Hz	6782-6782.7 Hz
7112-7112.7 Hz	7424-7424.7 Hz	7655-7655.7 Hz	7906-7906.7 Hz	7910-7910.7 Hz
7923-7923.7 Hz	8373-8373.7 Hz	8445-8445.7 Hz	8765-8765.7 Hz	8829-8829.7 Hz
8852-8852.7 Hz	8877-8877.7 Hz	9078-9078.7 Hz	9512-9512.7 Hz	9635-9635.7 Hz
9681-9681.7 Hz	9886-9886.7 Hz	10735-10735.7 Hz	10748-10748.7 Hz	10781-10781.7 Hz
10813.2-10813.8 Hz	11134-11134.7 Hz	11155-11155.7 Hz	11164-11164.7 Hz	11264-11264.7 Hz
11381-11381.7 Hz	11416-11416.7 Hz	11438-11438.7 Hz	11469-11469.7 Hz	11628-11628.7 Hz

12330-12330.7 Hz	12391-12391.7 Hz	12880-12880.7 Hz	13467-13467.7 Hz	13562-13562.6 Hz
13805-13805.7 Hz	13828-13828.7 Hz	13834-13834.7 Hz	13857.4-13858 Hz	13858-13858.7 Hz
13871-13871.7 Hz	14009-14009.7 Hz	14034-14034.7 Hz	14153-14153.7 Hz	14489-14489.7 Hz
15071-15071.7 Hz	15149-15149.7 Hz	15233-15233.7 Hz	15253-15253.7 Hz	15263-15263.7 Hz
15435-15435.7 Hz	15545-15545.7 Hz	16176-16176.7 Hz	16329-16329.7 Hz	16679-16679.7 Hz
16804-16804.7 Hz	16821-16821.7 Hz	17333-17333.7 Hz	17435-17435.7 Hz	17974-17974.7 Hz
18260-18260.7 Hz	18641-18641.7 Hz	18831-18831.7 Hz	18884-18884.7 Hz	19453-19453.7 Hz
20948-20948.7 Hz	21119-21119.7 Hz	21167-21167.7 Hz	21636-21636.7 Hz	22312-22312.7 Hz
22361-22361.7 Hz	22419-22419.7 Hz	22430-22430.7 Hz	22443-22443.7 Hz	22459-22459.7 Hz
22879-22879.7 Hz	23117-23117.7 Hz	23137-23137.7 Hz	23412-23412.7 Hz	23548-23548.7 Hz
23686-23686.7 Hz	26142-26142.7 Hz	26465-26465.7 Hz	27328-27328.6 Hz	28653-28653.7 Hz
28744-28744.7 Hz	31572-31572.7 Hz	31633-31633.7 Hz	41062-41062.7 Hz	41325-41325.7 Hz
41473-41473.7 Hz	48683-48683.7 Hz	48793-48793.7 Hz	87507-87507.7 Hz;	

(n) when the cancer is rhabdomyosarcoma, the frequency synthesizer is configured to generate one or more rhabdomyosarcoma specific amplitude modulation frequencies comprising:

Table 21

304-304.7 Hz	331-331.7 Hz	410-410.7 Hz	420-420.7 Hz	429-429.7 Hz
434-434.7 Hz	461-461.7 Hz	537.4-538 Hz	560-560.7 Hz	572-572.7 Hz
605-605.7 Hz	611-611.7 Hz	618.3-619 Hz	626-626.7 Hz	717-717.7 Hz
776-776.7 Hz	779-779.7 Hz	810-810.7 Hz	814-814.7 Hz	826-826.7 Hz
836.4-837 Hz	843-843.7 Hz	843-843.7 Hz	1314-1314.7 Hz	1411-1411.7 Hz
1467-1467.7 Hz	1785-1785.7 Hz	1816-1816.7 Hz	1903-1903.7 Hz	2073.3-2074 Hz
2155-2155.7 Hz	2287-2287.7 Hz	2381-2381.7 Hz	2542-2542.7 Hz	2711-2711.6 Hz
2854-2854.6 Hz	2911-2911.7 Hz	3085.7-3086.3 Hz	3121-3121.7 Hz	3232-3232.7 Hz
3438-3438.7 Hz	3518-3518.7 Hz	3544-3544.7 Hz	3569-3569.7 Hz	3618-3618.7 Hz
3910-3910.7 Hz	3917-3917.7 Hz	4198-4198.7 Hz	4233.3-4234 Hz	4241-4241.7 Hz
266.3-267 Hz	4337-4337.7 Hz	4358-4358.7 Hz	4424-4424.7 Hz	4436-4436.7 Hz
4485-4485.7 Hz	4731-4731.7 Hz	4749-4749.7 Hz	4776-4776.7 Hz	5151-5151.7 Hz
5521-5521.7 Hz	5545.3-5546 Hz	5577.3-5578 Hz	5618-5618.7 Hz	5631-5631.7 Hz
5696-5696.7 Hz	6058-6058.7 Hz	6443-6443.7 Hz	6472-6472.6 Hz	6558-6558.7 Hz
6651-6651.7 Hz	6730-6730.7 Hz	7168.4-7169 Hz	7406-7406.7 Hz	7440-7440.7 Hz
7452.3-7453 Hz	7649-7649.7 Hz	7808-7808.7 Hz	8542-8542.7 Hz	8546-8546.7 Hz
8562-8562.7 Hz	8576-8576.7 Hz	8698-8698.7 Hz	8881-8881.7 Hz	9040-9040.7 Hz
9074-9074.7 Hz	9189-9189.6 Hz	9484.3-9485 Hz	9851-9851.7 Hz	9943.4-9944 Hz
10870-10870.7 Hz	10891-10891.7 Hz	12086-12086.7 Hz	12648-12648.7 Hz	15195-15195.7 Hz

17316-17316.7 Hz	18021-18021.7 Hz	18567-18567.7 Hz	19384-19384.7 Hz	20097-20097.7 Hz
20278.4-20279 Hz	21854-21854.7 Hz	21890-21890.7 Hz	24198-24198.7 Hz	24413-24413.7 Hz
24789-24789.7 Hz	26534-26534.7 Hz	27713-27713.7 Hz	28222-28222.7 Hz	40489-40489.7 Hz
40762-40762.7 Hz	41279-41279.7 Hz	42923-42923.7 Hz	43166-43166.7 Hz	43692-43692.7 Hz
48583-48583.7 Hz	49434-49434.7 Hz	66553-66553.7 Hz	79658-79658.7 Hz;	

(o) when the cancer is colorectal cancer, the frequency synthesizer is configured to generate one or more colorectal cancer specific amplitude modulation frequencies comprising:

Table 22

605-605.7 Hz	826-826.7 Hz	834-834.7 Hz	841.9-842.6 Hz	1808-1808.6 Hz
1928-1928.7 Hz	1989-1989.7 Hz	2439.7-2440.3Hz	2714-2714.7 Hz	2747-2747.7 Hz
2759-2759.7 Hz	2807-2807.7 Hz	2826-2826.7 Hz	2981-2981.7 Hz	3209-3209.7 Hz
3213-3213.7 Hz	3244-3244.7 Hz	3261-3261.7 Hz	3548-3548.7 Hz	3634-3634.7 Hz
3646.4-3647 Hz	3915-3915.7 Hz	3922-3922.7 Hz	3940-3940.7 Hz	3946-3946.7 Hz
4135-4135.7 Hz	4155-4155.7 Hz	4224-4224.7 Hz	4241-4241.7 Hz	4283-4283.7 Hz
4323-4323.7 Hz	4438.7-4439.2Hz	4447-4447.7 Hz	4708-4708.7 Hz	4713-4713.7 Hz
4718-4718.7 Hz	4718-4718.7 Hz	4722-4722.7 Hz	4776-4776.7 Hz	4850-4850.7 Hz
4874-4874.7 Hz	5205-5205.7 Hz	5209-5209.7 Hz	5209-5209.7 Hz	5221-5221.7 Hz
5232-5232.7 Hz	5265-5265.7 Hz	5427-5427.7 Hz	5484.4-5485 Hz	6074-6074.7 Hz
6112-6112.7 Hz	6159-6159.7 Hz	6361-6361.7 Hz	6438-6438.7 Hz	6468-6468.7 Hz
6537-6537.7 Hz	6648-6648.7 Hz	6869-6869.7 Hz	6878-6878.7 Hz	6914-6914.7 Hz
6974-6974.7 Hz	6982-6982.7 Hz	6986-6986.7 Hz	7109-7109.7 Hz	7117-7117.7 Hz
7137-7137.7 Hz	7149-7149.7 Hz	7191.7-7192.3Hz	7531-7531.7 Hz	7560-7560.7 Hz
7879-7879.7 Hz	7936-7936.7 Hz	7970-7970.7 Hz	7994-7994.7 Hz	8038.4-8039 Hz
8413-8413.7 Hz	8438-8438.7 Hz	8467-8467.7 Hz	8771-8771.7 Hz	8809-8809.7 Hz
8889-8889.7 Hz	9071-9071.7 Hz	9084-9084.7 Hz	9731-9731.7 Hz	10566-10566.7 Hz
10831.7-10832.1 Hz	10845-10845.7 Hz	10859-10859.7 Hz	10906-10906.7 Hz	10947-10947.7 Hz
10974-10974.7 Hz	11110-11110.7 Hz	11225-11225.7 Hz	11234-11234.7 Hz	11255-11255.7 Hz
11387-11387.7 Hz	11530-11530.7 Hz	11576-11576.7 Hz	11621-11621.7 Hz	11630-11630.7 Hz
11638-11638.7 Hz	11681-11681.7 Hz	11911-11911.7 Hz	11934-11934.7 Hz	11949-11949.7 Hz
12182-12182.7 Hz	12373-12373.7 Hz	12575-12575.7 Hz	12589-12589.7 Hz	12617-12617.7 Hz
12629-12629.7 Hz	12637-12637.7 Hz	12645-12645.7 Hz	13418-13418.7 Hz	13475-13475.7 Hz
13611-13611.7 Hz	13615-13615.7 Hz	13670-13670.7 Hz	13717-13717.7 Hz	13736-13736.7 Hz
13742-13742.7 Hz	13773-13773.7 Hz	13775-13775.7 Hz	13978.3-13979 Hz	14182-14182.7 Hz
14417-14417.7 Hz	14422-14422.7 Hz	14441-14441.7 Hz	14443-14443.7 Hz	14570-14570.7 Hz

14621-14621.7 Hz	14630-14630.7 Hz	14671-14671.7 Hz	14674-14674.7 Hz	14863-14863.7 Hz
14877-14877.7 Hz	14911-14911.7 Hz	14957-14957.7 Hz	14982-14982.7 Hz	15109-15109.7 Hz
15133-15133.7 Hz	15154-15154.7 Hz	15230-15230.7 Hz	15250-15250.7 Hz	15278-15278.7 Hz
16274-16274.7 Hz	17106-17106.7 Hz	17123-17123.7 Hz	17472-17472.7 Hz	17515-17515.7 Hz
17578.4-17579 Hz	17808-17808.7 Hz	17825-17825.7 Hz	18157-18157.7 Hz	18171-18171.7 Hz
18294-18294.7 Hz	18372-18372.7 Hz	18375-18375.7 Hz	18396-18396.7 Hz	18533-18533.7 Hz
18635-18635.7 Hz	19342-19342.7 Hz	19437-19437.7 Hz	19447-19447.7 Hz	19829-19829.7 Hz
20173-20173.7 Hz	20499-20499.7 Hz	21389-21389.7 Hz	21490-21490.7 Hz	21663-21663.7 Hz
21833-21833.7 Hz	22167-22167.7 Hz	22423.4-22424 Hz	22559.3-22560 Hz	22743-22743.7 Hz
23246-23246.7 Hz	23249-23249.7 Hz	23259-23259.7 Hz	23344-23344.7 Hz	23624-23624.7 Hz
23667-23667.7 Hz	24142-24142.7 Hz	26113-26113.7 Hz	26403-26403.7 Hz	28212-28212.7 Hz
28272-28272.7 Hz	28537-28537.7 Hz	30075-30075.7 Hz	30373-30373.7 Hz	31847-31847.7 Hz
33546-33546.7 Hz	35324-35324.7 Hz	35543-35543.7 Hz	42544-42544.7 Hz	42692.3-42693 Hz
42812-42812.7 Hz	42813-42813.7 Hz	43162-43162.7 Hz	43325-43325.7 Hz	44652-44652.7 Hz
46340-46340.7 Hz	46746-46746.7 Hz	48653-48653.7 Hz	51946-51946.7 Hz	52752-52752.7 Hz
80715-80715.7 Hz	94494-94494.7 Hz.			

2. The apparatus according to claim 1, wherein the carrier frequency is from 0.1 - 1000 MHz, or from 1-500 MHz, or from 1-100 MHz, or from 5-50 MHz, or from 10 MHz to 40 MHz, or from 15 MHz to 30 MHz.

3. The apparatus according to claims 1 or 2, wherein the amplitude modulation frequency is from 100 Hz to 99,000 Hz.

4. The apparatus according to any one of claims 1 to 3, wherein the frequency of each of the one or more amplitude modulated output signals is controlled to within an accuracy of 1

part per 10,000, within an accuracy of 1 part per 100,000, or within an accuracy of 1 parts per million (ppm) relative to a reference amplitude modulation frequency.

5. The apparatus according to any one of claims 1 to 4, wherein each of the one or more amplitude modulated output signals is maintained at a stability during emission of at least 10^{-5}, or is maintained at a stability during emission of at least 10^{-6}, or is maintained at a stability during emission of at least 10^{-7}.

6. The apparatus according to any one of claims 1 to 5, wherein the specific absorption rate (SAR) of the radio frequency radiation absorbed by the patient is from 1 microWatt per kilogram of tissue to 50 Watts per kilogram of tissue, is from 100 microWatts per kilogram of tissue to 10 Watts per kilogram of tissue, or is from 0.02 milliWatt per kilogram of tissue to 400 milliWatts per kilogram of tissue.

7. The apparatus of claim 1, wherein the electrically conductive applicator is configured for contact with a mucosa of the subject or with the skin of the subject.

8. The apparatus according to any one of claims 1 to 7, wherein the one or more amplitude modulated output signals are generated either sequentially or simultaneously.

9. The apparatus according to any one of claims 1 to 8, wherein the amplitude modulation frequency has been determined or predetermined by a bio-feedback process involving measurements of one or more physiological responses by subjects pre-diagnosed with the cancer type upon exposure of the pre-diagnosed subjects to the amplitude modulation frequency.

10. The apparatus according to any one of claims 1 to 9, wherein the radio frequency radiation comprises 40 or more modulated output signals, 50 or more modulated output signals, or 60 or more modulated output signals, or 70 or more modulated output signals, or 70 or more modulated output signals, or 90 or more modulated output signals, or 100 or more modulated output signals.

11. The apparatus according to any one of claims 1 to 9, wherein the cancer is breast cancer and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

374-374.7 Hz	419.8-420.4 Hz	420.4-420.8 Hz	429-429.7 Hz	1336-1336.7 Hz
1369-1369.7 Hz	1728-1728.7 Hz	1771.8-1772.3 Hz	1772.3-1772.8 Hz	2811-2811.7 Hz
2824-2824.7 Hz	2840-2840.7 Hz	2858.8-2859.35Hz	2860-2860.7 Hz	2878-2878.7 Hz
2890-2890.7 Hz	3209-3209.7 Hz	3322-3322.7 Hz	3360-3360.7 Hz	3663-3663.7 Hz
3839-3839.7 Hz	3842.4-3843 Hz	3854-3854.7 Hz	3936-3936.7 Hz	4323-4323.7 Hz
4329-4329.7 Hz	4416-4416.7 Hz	4430-4430.7 Hz	4477.4-4478 Hz	4480.9-4481.35Hz
4714-4714.7 Hz	4805.3-4806 Hz	4813-4813.7 Hz	4819-4819.7 Hz	4822-4822.7 Hz
4823-4823.7 Hz	4833-4833.7 Hz	4890-4890.7 Hz	5154-5154.7 Hz	5243-5243.7 Hz
5407.3-5408 Hz	5716-5716.7 Hz	5976-5976.7 Hz	6024-6024.7 Hz	6070-6070.7 Hz
6094-6094.7 Hz	6414-6414.7 Hz	6717-6717.7 Hz	6751-6751.7 Hz	6968.4-6969 Hz
7013-7013.7 Hz	7042-7042.7 Hz	7080-7080.7 Hz	7145.4-7146 Hz	7151-7151.7 Hz
7158-7158.7 Hz	7225-7225.7 Hz	8332-8332.7 Hz	8824-8824.7 Hz	8837-8837.7 Hz
9935-9935.7 Hz	9961-9961.7 Hz	10013-10013.7 Hz	10064-10064.7 Hz	10339.8-10340.4 Hz
10384-10384.7 Hz	10745-10745.7 Hz	10788-10788.7 Hz	10834-10834.7 Hz	10854-10854.7 Hz
10873-10873.7 Hz	10894-10894.7 Hz	11163-11163.7 Hz	11414-11414.7 Hz	11421-11421.7 Hz
11429-11429.7 Hz	11719-11719.7 Hz	11745-11745.7 Hz	11931-11931.7 Hz	11974-11974.7 Hz
11993-11993.7 Hz	12118-12118.7 Hz	12137-12137.7 Hz	12144-12144.7 Hz	12318-12318.7 Hz
12342-12342.7 Hz	12364-12364.7 Hz	12557-12557.7 Hz	12588-12588.7 Hz	13329-13329.7 Hz
13377-13377.7 Hz	13386-13386.7 Hz	13644-13644.7 Hz	13661-13661.7 Hz	13713-13713.7 Hz
14164-14164.7 Hz	14308-14308.7 Hz	14333.4-14333.9 Hz	14432-14432.7 Hz	14524-14524.7 Hz
14589-14589.7 Hz	14729-14729.7 Hz	14813-14813.7 Hz	14835-14835.7 Hz	14858-14858.7 Hz
14885-14885.7 Hz	15035-15035.6 Hz	15067-15067.7 Hz	15126-15126.7 Hz	15195-15195.7 Hz
15269-15269.7 Hz	15432-15432.7 Hz	15432-15432.7 Hz	15563-15563.7 Hz	15621-15621.7 Hz
15624-15624.7 Hz	15642-15642.7 Hz	15647-15647.7 Hz	15669-15669.7 Hz	15698-15698.7 Hz
15823-15823.7 Hz	16347-16347.7 Hz	17832-17832.7 Hz	18221-18221.7 Hz	18260-18260.7 Hz
19433-19433.7 Hz	19446-19446.7 Hz	19489.3-19490 Hz	19782-19782.7 Hz	19827-19827.7 Hz
21291.4-21292 Hz	21887-21887.7 Hz	22020-22020.7 Hz	22419-22419.7 Hz	22422-22422.7 Hz

22425-22425.7 Hz	22444-22444.7 Hz	22491-22491.7 Hz	22840.3-22841 Hz	22859-22859.7 Hz
22973-22973.7 Hz	22983-22983.7 Hz	23258-23258.7 Hz	23652-23652.7 Hz	24174-24174.7 Hz
24811-24811.7 Hz	26954-26954.7 Hz	27114-27114.7 Hz	30463.3-30464 Hz	34557.3-34558 Hz
34854-34854.7 Hz	38144-38144.7 Hz	38682-38682.7 Hz	41561-41561.7 Hz	41623-41623.7 Hz
41735-41735.7 Hz	42713-42713.7 Hz	44575.3-44576 Hz	46662-46662.7 Hz	48173-48173.7 Hz
50292-50292.7 Hz				

12. The apparatus according to any one of claims 1 to 9, wherein the cancer is neuroendocrine cancer and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or all of the frequencies comprising:

843-843.7 Hz	1656-1656.7 Hz	2423-2423.7 Hz	2480-2480.7 Hz	2707-2707.7 Hz
2890-2890.7 Hz	3080.3-3081 Hz	3661-3661.7 Hz	3678-3678.7 Hz	3976.4-3977 Hz
4048-4048.7 Hz	4055-4055.7 Hz	4368.3-4369 Hz	4459-4459.7 Hz	4621-4621.7 Hz
4837-4837.7 Hz	4866-4866.7 Hz	5165.4-5166 Hz	5265-5265.7 Hz	5270-5270.7 Hz
6436-6436.7 Hz	7037-7037.7 Hz	8008-8008.7 Hz	8024-8024.7 Hz	8097-8097.7 Hz
8427-8427.7 Hz	8478.3-8479 Hz	8480-8480.7 Hz	8492-8492.7 Hz	8853-8853.7 Hz
8877-8877.7 Hz	9122-9122.7 Hz	9131-9131.7 Hz	9174-9174.7 Hz	10073-10073.7 Hz
10848.7-10849.3 Hz	11267-11267.7 Hz	11336-11336.7 Hz	11524-11524.7 Hz	11551.3-11552 Hz
11927.4-11928 Hz	12309-12309.7 Hz	13617-13617.7 Hz	13674-13674.7 Hz	13774-13774.7 Hz
14350-14350.7 Hz	14456-14456.7 Hz	14479-14479.7 Hz	14540-14540.7 Hz	14553-14553.7 Hz
14756-14756.7 Hz	14922-14922.7 Hz	14961-14961.7 Hz	15226-15226.7 Hz	15817-15817.7 Hz
15825-15825.7 Hz	15835-15835.7 Hz	15836-15836.7 Hz	15897-15897.7 Hz	16071-16071.7 Hz
17417-17417.7 Hz	17418-17418.7 Hz	17473-17473.7 Hz	17474-17474.7 Hz	17621-17621.7 Hz
17655-17655.7 Hz	18655-18655.7 Hz	18672-18672.7 Hz	18678-18678.7 Hz	19393-19393.7 Hz
19426-19426.7 Hz	19817-19817.7 Hz	19819-19819.7 Hz	19861-19861.7 Hz	19867-19867.7 Hz
20818-20818.7 Hz	21708-21708.7 Hz	21720-21720.7 Hz	21865-21865.7 Hz	21876-21876.7 Hz
22119-22119.7 Hz	22454-22454.7 Hz	24073-24073.7 Hz	30304-30304.7 Hz	31685-31685.7 Hz
43633-43633.7 Hz	44773-44773.7 Hz	46662-46662.7 Hz	46793-46793.7 Hz	48103-48103.7 Hz
50243-50243.7 Hz.				

13. The apparatus according to any one of claims 1 to 9, wherein the cancer is non-Hodgkin lymphoma and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

3222-3222.7 Hz	3228-3228.7 Hz	3272-3272.7 Hz	3618-3618.7 Hz	4523-4523.7 Hz
4556-4556.7 Hz	4584-4584.7 Hz	5116-5116.7 Hz	5142-5142.7 Hz	6413-6413.7 Hz
6419.3-6420 Hz	6441-6441.7 Hz	6474-6474.7 Hz	6911.3-6912 Hz	6912-6912.7 Hz
6943-6943.7 Hz	7551-7551.7 Hz	7811-7811.7 Hz	7857-7857.7 Hz	7865-7865.7 Hz
8125-8125.7 Hz	9106-9106.7 Hz	9161-9161.7 Hz	9179-9179.7 Hz	9230-9230.7 Hz
9236-9236.7 Hz	9247-9247.7 Hz	11730.6-11731.1 Hz	11785-11785.7 Hz	13222-13222.7 Hz
13751-13751.7 Hz	13780-13780.7 Hz	15006-15006.7 Hz	15033-15033.7 Hz	15056-15056.7 Hz
15729-15729.7 Hz	15773-15773.7 Hz	17229-17229.7 Hz	17246-17246.7 Hz	17268-17268.7 Hz
20256-20256.7 Hz	22444-22444.7 Hz	30666-30666.7 Hz	30713-30713.7 Hz	30843-30843.7 Hz
38216-38216.7 Hz.				

14. The apparatus according to any one of claims 1 to 9, wherein the cancer is adenocarcinoma of the pancreas and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

403-403.7 Hz	441-441.7 Hz	527-527.7 Hz	624.32-624.8 Hz	633-633.7 Hz
727-727.7 Hz	759-759.7 Hz	785-785.7 Hz	811-811.7 Hz	829-829.7 Hz
841-841.7 Hz	962-962.7 Hz	964.5-965 Hz	972-972.7 Hz	974.4-975 Hz
977-977.7 Hz	1179.2-1179.8 Hz	1250.3-1251 Hz	1314-1314.7 Hz	1352-1352.7 Hz
1622-1622.7 Hz	1652-1652.7 Hz	1656-1656.7 Hz	1670.3-1671 Hz	1914-1914.7 Hz
2346-2346.7 Hz	2362-2362.7 Hz	2380-2380.7 Hz	2469.2-2469.7 Hz	2627-2627.7 Hz
2706-2706.7 Hz	2720.3-2721 Hz	2726-2726.7 Hz	2754-2754.7 Hz	2778-2778.7 Hz
2842-2842.7 Hz	2864-2864.7 Hz	2940-2940.7 Hz	2988-2988.7 Hz	3234-3234.7 Hz
3280.6-3281.3 Hz	3366-3366.7 Hz	3428-3428.7 Hz	3446-3446.7 Hz	3466-3466.7 Hz
3523-3523.7 Hz	3605-3605.7 Hz	3622.5-3623 Hz	3627-3627.7 Hz	3631-3631.7 Hz
3656-3656.7 Hz	3663-3663.7 Hz	3667-3667.7 Hz	3687-3687.7 Hz	4152-4152.7 Hz
4233-4233.7 Hz	4249-4249.7 Hz	4281-4281.7 Hz	4368.3-4369 Hz	4417-4417.7 Hz
4425-4425.7 Hz	4440.4-4441 Hz	4465-4465.7 Hz	4480.9-4481.35 Hz	4580.11-4580.7 Hz
4621-4621.7 Hz	4637-4637.7 Hz	4657-4657.6 Hz	4725-4725.7 Hz	4733-4733.7 Hz

4749-4749.7 Hz	4841-4841.7 Hz	4924-4924.7 Hz	4946-4946.7 Hz	5063-5063.7 Hz
5089-5089.7 Hz	5378.2-5378.7 Hz	5424-5424.7 Hz	5438-5438.7 Hz	6112-6112.7 Hz
6159-6159.7 Hz	6161.3-6162 Hz	6167-6167.7 Hz	6179-6179.7 Hz	6220.3-6221 Hz
6346-6346.7 Hz	6380.4-6381 Hz	6808-6808.7 Hz	6825-6825.7 Hz	6847-6847.7 Hz
6850-6850.7 Hz	6878-6878.7 Hz	7036-7036.7 Hz	7037-7037.7 Hz	7118-7118.7 Hz
7160-7160.7 Hz	7432-7432.7 Hz	7541-7541.7 Hz	7676-7676.7 Hz	7936-7936.7 Hz
8024-8024.7 Hz	8032-8032.7 Hz	8043-8043.7 Hz	8447-8447.7 Hz	8734-8734.7 Hz
8756-8756.7 Hz	8757-8757.7 Hz	8809-8809.7 Hz	8823-8823.7 Hz	8841-8841.7 Hz
8845-8845.7 Hz	8846-8846.7 Hz	8872-8872.7 Hz	9133-9133.7 Hz	9155.7-9156.2 Hz
9520-9520.7 Hz	9859-9859.7 Hz	10342-10342.6 Hz	10352-10352.7 Hz	10378-10378.7 Hz
10436-10436.7 Hz	10566.4-10567 Hz	10633-10633.7 Hz	10641-10641.7 Hz	10671-10671.7 Hz
10708-10708.7 Hz	10859-10859.7 Hz	10876-10876.7 Hz	11174-11174.7 Hz	11220-11220.7 Hz
11247-11247.7 Hz	11264-11264.7 Hz	11284-11284.7 Hz	11630-11630.7 Hz	11994-11994.7 Hz
12120.2-12120.7 Hz	12135-12135.7 Hz	12152-12152.7 Hz	12184-12184.7 Hz	12711-12711.7 Hz
13375-13375.7 Hz	13571-13571.7 Hz	13636.2-13636.7 Hz	13738.3-13739 Hz	13947-13947.7 Hz
14116-14116.7 Hz	14279-14279.7 Hz	14376-14376.7 Hz	14462-14462.7 Hz	14519-14519.7 Hz
14558-14558.7 Hz	14729-14729.7 Hz	14940.4-14941 Hz	14957-14957.7 Hz	15179-15179.7 Hz
15225-15225.6 Hz	15536-15536.7 Hz	15576-15576.7 Hz	15597-15597.7 Hz	15663-15663.7 Hz
15678-15678.7 Hz	15711-15711.7 Hz	15724-15724.7 Hz	15740-15740.7 Hz	15749-15749.7 Hz
15824-15824.7 Hz	15867-15867.7 Hz	16143-16143.7 Hz	17214-17214.7 Hz	17253-17253.7 Hz
17271-17271.7 Hz	17283-17283.7 Hz	17739-17739.7 Hz	17944-17944.7 Hz	17962-17962.7 Hz
18279-18279.7 Hz	18678.7-18679.3 Hz	18921-18921.7 Hz	18922-18922.7 Hz	19059-19059.7 Hz
19464-19464.7 Hz	19686-19686.4 Hz	19724-19724.7 Hz	20123-20123.7 Hz	20128-20128.7 Hz
20144-20144.7 Hz	20149.3-20150 Hz	20219-20219.7 Hz	20254-20254.7 Hz	21546-21546.7 Hz
21616-21616.7 Hz	21664-21664.7 Hz	21840-21840.7 Hz	21876-21876.7 Hz	21894-21894.7 Hz
22355-22355.7 Hz	22430-22430.7 Hz	22597-22597.7 Hz	22742-22742.7 Hz	22822-22822.7 Hz
22846-22846.7 Hz	22867-22867.7 Hz	23237-23237.7 Hz	23284-23284.7 Hz	24228-24228.7 Hz
24275-24275.7 Hz	24508-24508.7 Hz	24609.3-24610 Hz	24841-24841.7 Hz	27478-27478.7 Hz
32143-32143.7 Hz	32493-32493.7 Hz	33546-33546.7 Hz	40133-40133.7 Hz	40595-40595.7 Hz
44913-44913.7 Hz	45474-45474.7 Hz	46672.3-46673 Hz	48204-48204.7 Hz	48314-48314.7 Hz

50072-50072.7 Hz	50254-50254.7 Hz	52812-52812.7 Hz	79867-79867.7 Hz	80993.3-80994 Hz
91877-91877.7 Hz	95742-95742.7 Hz.			

15. The apparatus according to any one of claims 1 to 9, wherein the cancer is head and neck cancer and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or all of the frequencies comprising:

1858-1858.7 Hz	2893-2893.7 Hz	5152-5152.7 Hz	6897-6897.7 Hz	7080-7080.7 Hz
7136-7136.7 Hz	7274-7274.7 Hz	8755-8755.7 Hz	9573-9573.7 Hz	9656-9656.7 Hz
10439-10439.7 Hz	10484-10484.7 Hz	10645-10645.7 Hz	10673-10673.7 Hz	11559-11559.7 Hz
14052-14052.7 Hz	17379-17379.7 Hz	19269-19269.7 Hz		

16. The apparatus according to any one of claims 1 to 9, wherein the cancer is gastric cancer and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or all of the frequencies comprising:

374-374.7 Hz	560-560.7 Hz	628-628.7 Hz	642.4-643 Hz	708.3-709 Hz
749-749.7 Hz	806-806.6 Hz	825-825.7 Hz	843-843.7 Hz	914-914.7 Hz
959-959.7 Hz	969-969.7 Hz	1157-1157.7 Hz	1436-1436.7 Hz	1656-1656.7 Hz
2379.3-2380 Hz	2417-2417.7 Hz	2436-2436.7 Hz	2455-2455.7 Hz	2478-2478.7 Hz
2747-2747.7 Hz	2762-2762.7 Hz	2774-2774.7 Hz	2856.4-2857 Hz	2891-2891.7 Hz
2981-2981.7 Hz	3104.3-3105 Hz	3133-3133.7 Hz	3522-3522.7 Hz	3537-3537.7 Hz
3549-3549.7 Hz	3556-3556.7 Hz	3595-3595.7 Hz	3927-3927.7 Hz	4154-4154.7 Hz
4548-4548.7 Hz	4723-4723.7 Hz	5286-5286.7 Hz	5494.4-5495 Hz	5548.3-5549 Hz
5742-5742.7 Hz	6010-6010.7 Hz	6064-6064.7 Hz	6329-6329.7 Hz	6444-6444.7 Hz
6469-6469.7 Hz	6488-6488.7 Hz	7222.4-7223 Hz	7646-7646.7 Hz	7748-7748.7 Hz
7855-7855.7 Hz	7927-7927.7 Hz	7951-7951.7 Hz	7970-7970.7 Hz	7979-7979.7 Hz
8039-8039.7 Hz	8055.4-8056 Hz	8926-8926.7 Hz	9109-9109.7 Hz	9123-9123.7 Hz
9136-9136.7 Hz	9146-9146.7 Hz	9157-9157.7 Hz	9194-9194.7 Hz	10137-10137.7 Hz
10345-10345.7 Hz	10727-10727.7 Hz	10802-10802.7 Hz	11533-11533.7 Hz	12165-12165.7 Hz
13241-13241.7 Hz	13307-13307.7 Hz	13330.7-13331.2 Hz	13408-13408.7 Hz	13434-13434.7 Hz
13714-13714.7 Hz	13746-13746.7 Hz	14016.4-14017 Hz	14160-14160.7 Hz	14483-14483.7 Hz
14511-14511.7 Hz	14670.4-14671 Hz	16309-16309.7 Hz	17418-17418.7 Hz	17455-17455.7 Hz
17485-17485.7 Hz	17581-17581.7 Hz	19125-19125.7 Hz	21430-21430.7 Hz	21714-21714.7 Hz
23946-23946.7 Hz	39586-39586.7 Hz	40734-40734.7 Hz	41172-41172.7 Hz	42146-42146.7 Hz
46143-46143.7 Hz.				

17. The apparatus according to any one of claims 1 to 9, wherein the cancer is glioblastoma and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

262-262.7 Hz	295-295.6 Hz	415-415.7 Hz	418-418.7 Hz	423-423.7 Hz
434-434.7 Hz	440.4-441 Hz	476-476.7 Hz	556-556.7 Hz	608-608.7 Hz
612-612.7 Hz	627-627.7 Hz	656-656.7 Hz	694-694.7 Hz	708.3-709 Hz
741-741.7 Hz	752.4-753 Hz	757-757.6 Hz	759-759.7 Hz	776-776.7 Hz
796.3-797 Hz	836-836.7 Hz	941-941.7 Hz	1027-1027.7 Hz	1045-1045.7 Hz
1195-1195.7 Hz	1868-1868.7 Hz	1897-1897.7 Hz	2044-2044.7 Hz	2439-2439.7 Hz
2612-2612.7 Hz	2632-2632.7 Hz	2653.3-2654 Hz	2686-2686.7 Hz	2690-2690.7 Hz
2697-2697.7 Hz	2738-2738.7 Hz	3157-3157.7 Hz	3218-3218.7 Hz	3227.3-3228 Hz
3249-3249.7 Hz	3277.3-3278 Hz	3281.6-3282.1 Hz	3436-3436.7 Hz	3633-3633.7 Hz
3656-3656.7 Hz	3962-3962.7 Hz	4148-4148.7 Hz	4241-4241.7 Hz	4410-4410.7 Hz
4416-4416.7 Hz	4454-4454.7 Hz	4619-4619.7 Hz	4632-4632.7 Hz	4853-4853.7 Hz
5139-5139.7 Hz	5156-5156.7 Hz	5996-5996.7 Hz	6292-6292.7 Hz	6297-6297.7 Hz
6459-6459.7 Hz	6474-6474.7 Hz	6492.3-6493 Hz	6626.3-6627 Hz	6727.4-6728 Hz
6809-6809.6 Hz	6841-6841.7 Hz	6915.3-6916 Hz	6943-6943.7 Hz	7110-7110.7 Hz
7182.4-7183 Hz	7194.3-7195 Hz	7268-7268.7 Hz	7323-7323.7 Hz	7480-7480.7 Hz
7663-7663.7 Hz	7796-7796.7 Hz	7936-7936.7 Hz	8070-8070.7 Hz	8128.4-8129 Hz
8145-8145.7 Hz	8158-8158.7 Hz	8314-8314.7 Hz	8355-8355.7 Hz	8484-8484.7 Hz
9138.3-9139 Hz	9155.7-9156.2Hz	9921-9921.7 Hz	10427-10427.7 Hz	10468-10468.7 Hz
10478-10478.7 Hz	10719-10719.7 Hz	10802-10802.7 Hz	10809-10809.7 Hz	10851-10851.7 Hz
11556-11556.7 Hz	11913-11913.7 Hz	12828.3-12829 Hz	13686.4-13687 Hz	14249-14249.7 Hz
14515.4-14516 Hz	14586.3-14587 Hz	14796-14796.7 Hz	15067-15067.7 Hz	15112-15112.7 Hz
17095-17095.7 Hz	17167-17167.7 Hz	18090-18090.7 Hz	18670.3-18671 Hz	18895-18895.7 Hz
19026-19026.7 Hz	20237-20237.7 Hz	20254-20254.7 Hz	20286-20286.7 Hz	24196-24196.7 Hz
25199-25199.7 Hz	26073-26073.7 Hz	26163-26163.7 Hz	26164-26164.7 Hz	30759-30759.7 Hz
32591.3-32592 Hz	36343-36343.7 Hz	41883-41883.7 Hz	44517-44517.7 Hz	44531-44531.7 Hz
45490-45490.7 Hz	47297-47297.7 Hz	49434-49434.7 Hz	50229-50229.7 Hz	69481-69481.7 Hz
78477.4-78478 Hz	80993.3-80994 Hz	81999-81999.7 Hz	85810-85810.7 Hz	89748-89748.7 Hz
92182-92182.7 Hz	95245-95245.7 Hz.			

18. The apparatus according to any one of claims 1 to 9, wherein the cancer is squamous cell carcinoma of the anal canal and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

295-295.6 Hz	304-304.7 Hz	436-436.7 Hz	581-581.7 Hz	679-679.7 Hz
694.3-695 Hz	708.3-709 Hz	796.3-797 Hz	1759-1759.7 Hz	1858-1858.7 Hz
1873-1873.7 Hz	2442-2442.7 Hz	2522-2522.7 Hz	2648-2648.7 Hz	2893-2893.7 Hz
2975-2975.7 Hz	2981-2981.7 Hz	3238-3238.7 Hz	3249.3-3250 Hz	3250.3-3250.8 Hz
3461-3461.7 Hz	3531-3531.7 Hz	3535-3535.7 Hz	3681-3681.7 Hz	4279-4279.7 Hz

4440.4-4441 Hz	4718-4718.7 Hz	4876-4876.7 Hz	5034-5034.7 Hz	5068-5068.7 Hz
5151-5151.7 Hz	5249-5249.7 Hz	5286-5286.7 Hz	5869-5869.7 Hz	5881-5881.7 Hz
6298.4-6299 Hz	6851-6851.7 Hz	6879-6879.7 Hz	6882.4-6883 Hz	6897-6897.7 Hz
6980.3-6981 Hz	7136-7136.7 Hz	7274-7274.7 Hz	7673-7673.7 Hz	7930-7930.7 Hz
7981-7981.7 Hz	8328-8328.7 Hz	8432-8432.7 Hz	8755-8755.7 Hz	8949-8949.7 Hz
9656-9656.7 Hz	10439-10439.7 Hz	10484-10484.7 Hz	11145-11145.7 Hz	11159-11159.7 Hz
11253-11253.7 Hz	11260-11260.7 Hz	11277.3-11278 Hz	11559-11559.7 Hz	11699-11699.7 Hz
11905-11905.7 Hz	12139-12139.7 Hz	13819-13819.7 Hz	13847-13847.7 Hz	13903-13903.7 Hz
17379-17379.7 Hz	18618-18618.7 Hz	18742-18742.7 Hz	21445-21445.7 Hz	21467-21467.7 Hz
22763-22763.7 Hz	33536-33536.7 Hz	37527-37527.7 Hz	37546-37546.7 Hz	53079-53079.7 Hz
58094-58094.7 Hz	59288-59288.7 Hz	59997-59997.7 Hz	88281-88281.7 Hz.	

19. The apparatus according to any one of claims 1 to 9, wherein the cancer is hepatocellular carcinoma and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

439-439.7 Hz	594-594.7 Hz	737-737.7 Hz	817-817.7 Hz	966-966.7 Hz
996-996.7 Hz	1785-1785.7 Hz	1823-1823.7 Hz	1881-1881.7 Hz	1963-1963.7 Hz
1973-1973.7 Hz	2189-2189.7 Hz	2321-2321.7 Hz	2372.3-2372.8 Hz	2459-2459.7 Hz
2647-2647.7 Hz	2825-2825.7 Hz	2836-2836.7 Hz	2860-2860.7 Hz	2971-2971.6 Hz
3171-3171.7 Hz	3188-3188.7 Hz	3749-3749.7 Hz	3762-3762.7 Hz	3823-3823.7 Hz
4007-4007.7 Hz	4013-4013.7 Hz	4454-4454.7 Hz	4997-4997.7 Hz	5151-5151.7 Hz
5239-5239.7 Hz	5322-5322.7 Hz	6317-6317.7 Hz	6330-6330.7 Hz	6334-6334.7 Hz
6432-6432.7 Hz	6840-6840.7 Hz	7098-7098.7 Hz	7169-7169.7 Hz	7239-7239.7 Hz
7338-7338.7 Hz	7378-7378.7 Hz	7481-7481.7 Hz	7510-7510.7 Hz	7719-7719.7 Hz
7748-7748.7 Hz	7787-7787.7 Hz	8388-8388.7 Hz	8412-8412.7 Hz	9588-9588.7 Hz
8522-8522.7 Hz	8845-8845.7 Hz	8935-8935.6 Hz	8949-8949.7 Hz	9273-9273.7 Hz
9695-9695.7 Hz	10387-10387.7 Hz	10641-10641.7 Hz	10731-10731.7 Hz	10740-10740.7 Hz
10762-10762.7 Hz	10768-10768.7 Hz	10776-10776.7 Hz	10805-10805.7 Hz	10831-10831.7 Hz
10889-10889.7 Hz	11209-11209.7 Hz	11243-11243.7 Hz	11247-11247.7 Hz	11275-11275.7 Hz
11295-11295.7 Hz	11569-11569.7 Hz	11590-11590.7 Hz	11946-11946.7 Hz	12498-12498.7 Hz
12572-12572.7 Hz	12649-12649.7 Hz	13215-13215.7 Hz	13252-13252.7 Hz	13735-13735.7 Hz
13856-13856.7 Hz	14114-14114.7 Hz	14170.7-14171.3 Hz	14532-14532.7 Hz	14574-14574.7 Hz
15521-15521.7 Hz	15528-15528.7 Hz	15546.3-15547 Hz	15589-15589.7 Hz	15982-15982.7 Hz

16381-16381.7 Hz	17556-17556.7 Hz	17749-17749.7 Hz	17978-17978.7 Hz	18030-18030.7 Hz
18246-18246.7 Hz	18567-18567.7 Hz	18686-18686.7 Hz	18842-18842.7 Hz	18897-18897.7 Hz
19510-19510.7 Hz	20324-20324.7 Hz	20825-20825.7 Hz	20908-20908.7 Hz	21616-21616.7 Hz
21778-21778.7 Hz	21876-21876.7 Hz	22353-22353.7 Hz	22459-22459.7 Hz	22535-22535.7 Hz
22709-22709.7 Hz	23509-23509.7 Hz	23526-23526.7 Hz	23560-23560.7 Hz	23589-23589.7 Hz
23957-23957.7 Hz	24014-24014.7 Hz	24117-24117.7 Hz	24869-24869.7 Hz	25449-25449.7 Hz
25454-25454.7 Hz	26722-26722.7 Hz	26861-26861.7 Hz	30942-30942.7 Hz	31713-31713.7 Hz
32866-32866.7 Hz	32870-32870.7 Hz	33765-33765.7 Hz	34405-34405.7 Hz	34562-34562.7 Hz
34984-34984.6 Hz	36410-36410.7 Hz	38483-38483.7 Hz	38659-38659.7 Hz	39035-39035.7 Hz
39223-39223.7 Hz	39510-39510.7 Hz	39729-39729.7 Hz	40693-40693.7 Hz	41244-41244.7 Hz
41574-41574.7 Hz	42913-42913.7 Hz	42923-42923.7 Hz	43243-43243.7 Hz	43413-43413.7 Hz
43542-43542.7 Hz	43603-43603.7 Hz	44742-44742.7 Hz	47693.4-47694 Hz	51592-51592.7 Hz
53947-53947.7 Hz	55072-55072.7 Hz	56093-56093.7 Hz	59089-59089.7 Hz	66969-66969.7 Hz
67683-67683.7 Hz	76537-76537.7 Hz	78229-78229.7 Hz	82845-82845.7 Hz	83612-83612.7 Hz
84086-84086.7 Hz	91245-91245.7 Hz	92361.3-92362 Hz	93332-93332.7 Hz	93530-93530.7 Hz
94968.3-94969 Hz	99281-99281.7 Hz	99846-99846.7 Hz		

20. The apparatus according to any one of claims 1 to 9, wherein the cancer is cholangiocarcinoma and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

334-334.7 Hz	380-380.7 Hz	410-410.7 Hz	427-427.6 Hz	434-434.7 Hz
476-476.7 Hz	527-527.7 Hz	560-560.7 Hz	624-624.7 Hz	642.4-643 Hz
657-657.7 Hz	677.4-678 Hz	728-728.7 Hz	806-806.6 Hz	809-809.7 Hz
845-845.7 Hz	920-920.7 Hz	961-961.7 Hz	963.8-964.25Hz	964.3-964.8 Hz
974.4-975 Hz	1156.3-1157 Hz	1157-1157.7 Hz	1755-1755.7 Hz	1873-1873.7 Hz
1967-1967.7 Hz	2017.4-2018 Hz	2021-2021.7 Hz	2023-2023.7 Hz	2035-2035.7 Hz
2053-2053.7 Hz	2065-2065.7 Hz	2083-2083.7 Hz	2094-2094.7 Hz	2111-2111.7 Hz
2128-2128.7 Hz	2278-2278.7 Hz	2284-2284.7 Hz	2308-2308.7 Hz	2324-2324.7 Hz
2338-2338.7 Hz	2362-2362.7 Hz	2381-2381.7 Hz	2419-2419.7 Hz	2425-2425.7 Hz
2430-2430.7 Hz	2431-2431.6 Hz	2471-2471.7 Hz	2480-2480.7 Hz	2522-2522.7 Hz
2636-2636.7 Hz	2669-2669.7 Hz	2679-2679.7 Hz	2685-2685.6 Hz	2716-2716.6 Hz
2743.4-2744 Hz	2835-2835.7 Hz	2854-2854.7 Hz	2865-2865.7 Hz	2873.3-2874 Hz

2886-2886.7 Hz	3009-3009.7 Hz	3020-3020.7 Hz	3042-3042.6 Hz	3076.3-3077 Hz
3104.3-3105 Hz	3135-3135.7 Hz	3143-3143.7 Hz	3160.4-3161 Hz	3167-3167.7 Hz
3206-3206.7 Hz	3255-3255.7 Hz	3267-3267.7 Hz	3269-3269.7 Hz	3330.4-3331 Hz
3516-3516.7 Hz	3531-3531.7 Hz	3549-3549.7 Hz	3564-3564.7 Hz	3572-3572.7 Hz
3576-3576.7 Hz	3619-3619.7 Hz	3630-3630.7 Hz	3637.7-3638.3 Hz	3644-3644.7 Hz
3696-3696.7 Hz	3749.3-3750 Hz	3947-3947.7 Hz	3954-3954.7 Hz	4013.4-4014 Hz
4079.4-4080 Hz	4123.4-4124 Hz	4281-4281.7 Hz	4289-4289.7 Hz	4312.4-4313 Hz
4418-4418.7 Hz	4426-4426.7 Hz	4441-4441.7 Hz	4685-4685.6 Hz	4707-4707.7 Hz
4715-4715.7 Hz	4732-4732.7 Hz	4732-4732.7 Hz	4748-4748.7 Hz	4767-4767.7 Hz
4812-4812.7 Hz	4821-4821.7 Hz	4873-4873.7 Hz	4874-4874.7 Hz	4876-4876.7 Hz
4941-4941.7 Hz	5209.4-5210 Hz	5229-5229.7 Hz	5243-5243.7 Hz	5247-5247.7 Hz
5262-5262.7 Hz	5271-5271.7 Hz	5387.3-5388 Hz	5573-5573.7 Hz	5671-5671.7 Hz
5679-5679.7 Hz	5966-5966.7 Hz	5976.3-5977 Hz	6064-6064.7 Hz	6086-6086.7 Hz
6180-6180.7 Hz	6479.4-6480 Hz	6513-6513.7 Hz	6711-6711.7 Hz	6779-6779.7 Hz
6915.3-6916 Hz	7019-7019.7 Hz	7043-7043.7 Hz	7130-7130.7 Hz	7213-7213.7 Hz
7228.3-7229 Hz	7234-7234.7 Hz	7246-7246.7 Hz	7268-7268.7 Hz	7367-7367.7 Hz
7482-7482.7 Hz	7510.4-7511 Hz	7680.3-7681 Hz	7862-7862.7 Hz	7935-7935.7 Hz
8012.3-8013 Hz	8013-8013.7 Hz	8026-8026.7 Hz	8028-8028.7 Hz	8028-8028.7 Hz
8055.4-8056 Hz	8072-8072.7 Hz	8074-8074.7 Hz	8079-8079.7 Hz	8141-8141.7 Hz
8336-8336.7 Hz	8394.3-8395 Hz	8421-8421.7 Hz	8432-8432.7 Hz	8452-8452.7 Hz
8492-8492.7 Hz	8509.4-8510 Hz	8542-8542.7 Hz	8779-8779.7 Hz	8789.3-8790 Hz
8818-8818.7 Hz	8852-8852.7 Hz	8993-8993.7 Hz	9023-9023.7 Hz	9112-9112.7 Hz
9332-9332.7 Hz	9753-9753.7 Hz	9846-9846.7 Hz	10140-10140.7 Hz	10317-10317.7 Hz
10362-10362.7 Hz	10488-10488.7 Hz	10661-10661.7 Hz	10665.4-10666 Hz	10690-10690.7 Hz
10866-10866.7 Hz	11081-11081.7 Hz	11109.3-11110 Hz	11219-11219.7 Hz	11582-11582.7 Hz
11619-11619.7 Hz	11637-11637.7 Hz	11802.3-11803 Hz	11809-11809.7 Hz	11831-11831.7 Hz
11872-11872.7 Hz	11904.3-11905 Hz	12024.3-12025 Hz	12228-12228.7 Hz	12247-12247.7 Hz
12260.4-12261 Hz	12274-12274.7 Hz	12682-12682.7 Hz	12752-12752.7 Hz	12783-12783.7 Hz
12785-12785.7 Hz	13127-13127.7 Hz	13457-13457.7 Hz	13609-13609.7 Hz	13734-13734.7 Hz
13747-13747.7 Hz	13755-13755.7 Hz	13760-13760.7 Hz	13761-13761.7 Hz	13767-13767.7 Hz
13981-13981.7 Hz	14005-14005.7 Hz	14027-14027.7 Hz	14070-14070.7 Hz	14078-14078.7 Hz
14356-14356.7 Hz	14531-14531.7 Hz	14545-14545.7 Hz	14564-14564.7 Hz	14828-14828.7 Hz
14867-14867.7 Hz	14913.4-14914 Hz	14940-14940.7 Hz	15173-15173.7 Hz	15224-15224.7 Hz
15244-15244.7 Hz	15432-15432.7 Hz	15460-15460.7 Hz	15515-15515.7 Hz	15539-15539.7 Hz
15550.4-15551 Hz	15857-15857.7 Hz	16082-16082.7 Hz	16515-16515.7 Hz	17636-17636.7 Hz
17673-17673.7 Hz	18087-18087.7 Hz	18222-18222.7 Hz	18521-18521.7 Hz	18585-18585.7 Hz
19347-19347.7 Hz	19889-19889.7 Hz	21466-21466.7 Hz	21567-21567.7 Hz	21844-21844.7 Hz

21870-21870.7 Hz	21894-21894.7 Hz	22073-22073.7 Hz	22119-22119.7 Hz	22411-22411.7 Hz
22437-22437.7 Hz	22479-22479.7 Hz	22582-22582.7 Hz	22730-22730.6 Hz	22832-22832.7 Hz
22863-22863.7 Hz	23237-23237.7 Hz	23261-23261.7 Hz	23444-23444.7 Hz	26212-26212.7 Hz
27291-27291.7 Hz	31051-31051.7 Hz	35296-35296.7 Hz	37680-37680.7 Hz	39053-39053.7 Hz
39183-39183.7 Hz	39423-39423.7 Hz	40111-40111.7 Hz	41557-41557.7 Hz	42293-42293.7 Hz
43172-43172.7 Hz	43379-43379.7 Hz	44855-44855.7 Hz	45163-45163.7 Hz	45362-45362.7 Hz
46666-46666.7 Hz	46673-46673.7 Hz	46689-46689.6 Hz	51008-51008.7 Hz	52063-52063.7 Hz
52786-52786.7 Hz	52912-52912.7 Hz	55723-55723.7 Hz	61287-61287.7 Hz	61789-61789.7 Hz
71635-71635.7 Hz	86521-86521.7 Hz	87798.3-87799 Hz	88898-88898.7 Hz	91271-91271.7 Hz
92787-92787.7 Hz.				

21. The apparatus according to any one of claims 1 to 9, wherein the cancer is mesothelioma and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

262-262.7 Hz	412-412.7 Hz	418-418.7 Hz	429-429.7 Hz	441-441.7 Hz
442-442.7 Hz	465-465.7 Hz	485-485.7 Hz	517-517.7 Hz	556-556.7 Hz
581-581.7 Hz	612-612.7 Hz	626-626.7 Hz	638-638.7 Hz	664-664.7 Hz
694.3-695 Hz	708.3-709 Hz	734.4-735 Hz	761-761.7 Hz	764-764.7 Hz
776-776.7 Hz	806-806.6 Hz	831-831.7 Hz	883-883.7 Hz	1191-1191.7 Hz
1591-1591.7 Hz	2475.4-2476 Hz	2581-2581.7 Hz	2749-2749.7 Hz	2988-2988.7 Hz
3042-3042.6 Hz	3131-3131.7 Hz	3193-3193.7 Hz	3240-3240.7 Hz	3335-3335.7 Hz
3371-3371.7 Hz	3518-3518.7 Hz	3523-3523.7 Hz	3530-3530.7 Hz	3556-3556.7 Hz
3621-3621.7 Hz	3656-3656.7 Hz	3674-3674.7 Hz	3681.7-3682.3 Hz	3817-3817.7 Hz
3833-3833.7 Hz	3877-3877.7 Hz	3948-3948.7 Hz	3958-3958.6 Hz	4044-4044.7 Hz
4190-4190.7 Hz	4261-4261.7 Hz	4330-4330.7 Hz	5496-5496.7 Hz	5640.4-5641 Hz
6416.3-6417 Hz	6441-6441.7 Hz	6717-6717.7 Hz	6758-6758.7 Hz	6783-6783.7 Hz
7110-7110.7 Hz	7140-7140.7 Hz	7154-7154.7 Hz	7156-7156.7 Hz	7253-7253.7 Hz
7283-7283.7 Hz	7546-7546.7 Hz	7725-7725.7 Hz	8386-8386.7 Hz	8562.4-8563 Hz
8810-8810.7 Hz	8827.4-8828 Hz	8843-8843.7 Hz	8859.3-8860 Hz	8863-8863.7 Hz
8877-8877.7 Hz	8881-8881.7 Hz	9075-9075.7 Hz	9929-9929.7 Hz	9947-9947.7 Hz
9970-9970.7 Hz	11023-11023.7 Hz	11031-11031.7 Hz	11042-11042.7 Hz	11046-11046.7 Hz
11074-11074.7 Hz	11083-11083.7 Hz	11124-11124.7 Hz	11540-11540.7 Hz	11831-11831.7 Hz
11929-11929.7 Hz	11956-11956.7 Hz	12267-12267.7 Hz	12929-12929.7 Hz	13674-13674.7 Hz

13742-13742.7 Hz	14285-14285.7 Hz	14947-14947.7 Hz	15531-15531.7 Hz	17737-17737.7 Hz
17757-17757.7 Hz	18121-18121.7 Hz	18126-18126.7 Hz	18140-18140.7 Hz	18921-18921.7 Hz
19406-19406.7 Hz	19476-19476.7 Hz	19577-19577.7 Hz	20634-20634.7 Hz	21372-21372.7 Hz
22411-22411.7 Hz	22519-22519.7 Hz	22538-22538.7 Hz	22548-22548.7 Hz	23111-23111.7 Hz
23921-23921.7 Hz	24112-24112.7 Hz	24146-24146.7 Hz	39153-39153.7 Hz.	

22. The apparatus according to any one of claims 1 to 9, wherein the cancer is thyroid cancer and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

834-834.7 Hz	836-836.7 Hz	845-845.7 Hz	1213-1213.7 Hz	1220-1220.7 Hz
1252-1252.7 Hz	1815-1815.7 Hz	1966-1966.7 Hz	2050-2050.7 Hz	2313-2313.7 Hz
2318-2318.7 Hz	2320-2320.7 Hz	2328-2328.7 Hz	2336-2336.7 Hz	2359-2359.7 Hz
2373-2373.7 Hz	2380-2380.7 Hz	2425-2425.7 Hz	2429-2429.7 Hz	2436-2436.7 Hz
2513-2513.7 Hz	2629-2629.7 Hz	2653.7-2654.4 Hz	2830-2830.7 Hz	2834-2834.7 Hz
3030-3030.7 Hz	3056-3056.7 Hz	3609-3609.7 Hz	3646-3646.7 Hz	3674-3674.7 Hz
3694-3694.7 Hz	3908.7-3909.22Hz	3981-3981.7 Hz	4027-4027.7 Hz	4386.4-4387 Hz
4425.7-4426.22Hz	4792-4792.7 Hz	4844-4844.7 Hz	4870-4870.7 Hz	5259-5259.7 Hz
5510-5510.7 Hz	5533-5533.7 Hz	5714-5714.7 Hz	5741-5741.7 Hz	5742-5742.7 Hz
5752-5752.7 Hz	5766-5766.7 Hz	6392-6392.7 Hz	6423-6423.7 Hz	6781-6781.7 Hz
6832-6832.7 Hz	6864-6864.7 Hz	7404.4-7405 Hz	7526-7526.6 Hz	7646-7646.7 Hz
7652-7652.7 Hz	7913-7913.7 Hz	8217.4-8218 Hz	8251-8251.7 Hz	8347-8347.7 Hz
8731-8731.7 Hz	8740-8740.7 Hz	8749-8749.7 Hz	8814-8814.7 Hz	9169-9169.7 Hz
9506-9506.7 Hz	10159-10159.7 Hz	10395-10395.7 Hz	10541-10541.7 Hz	10830-10830.7 Hz
10844-10844.7 Hz	10878-10878.7 Hz	10993-10993.7 Hz	11117-11117.7 Hz	11779-11779.7 Hz
11867-11867.7 Hz	12302-12302.7 Hz	12356-12356.7 Hz	13117-13117.7 Hz	13373-13373.7 Hz
13679-13679.7 Hz	13694-13694.7 Hz	14111-14111.7 Hz	14116-14116.7 Hz	14156-14156.7 Hz
14174-14174.7 Hz	14281-14281.7 Hz	14523-14523.7 Hz	14585-14585.7 Hz	14690-14690.7 Hz
14716-14716.7 Hz	14912-14912.7 Hz	14974-14974.7 Hz	15223-15223.7 Hz	15236-15236.7 Hz
15329-15329.7 Hz	15615-15615.7 Hz	15867-15867.7 Hz	15919-15919.7 Hz	15942-15942.7 Hz
16096-16096.7 Hz	18040-18040.7 Hz	18182-18182.7 Hz	18211-18211.7 Hz	18246-18246.7 Hz
18274-18274.7 Hz	18411-18411.7 Hz	18454-18454.7 Hz	18462-18462.7 Hz	18596-18596.7 Hz

19365-19365.7 Hz	19419-19419.7 Hz	19715-19715.7 Hz	19744-19744.7 Hz	19823-19823.7 Hz
20229-20229.7 Hz	20284-20284.7 Hz	20513-20513.7 Hz	20747-20747.7 Hz	21963-21963.7 Hz
22338-22338.7 Hz	22344-22344.7 Hz	22350-22350.7 Hz	22422-22422.7 Hz	22484-22484.7 Hz
22932-22932.7 Hz	23012-23012.7 Hz	23044-23044.7 Hz	23216-23216.7 Hz	23659-23659.7 Hz
23730-23730.7 Hz	24060-24060.7 Hz	24085-24085.7 Hz	26044-26044.7 Hz	26343-26343.7 Hz
27214-27214.7 Hz	28361-28361.7 Hz	33366-33366.7 Hz	33414-33414.7 Hz	33553-33553.7 Hz
34614-34614.7 Hz	35826-35826.7 Hz	40133-40133.7 Hz	40394-40394.7 Hz	40896-40896.7 Hz
40899-40899.7 Hz	41424-41424.7 Hz	41534-41534.7 Hz	41859-41859.7 Hz	41861-41861.7 Hz
42402-42402.7 Hz	43851-43851.7 Hz	44162-44162.7 Hz	44692-44692.7 Hz	45393-45393.7 Hz
45526-45526.7 Hz	46282-46282.7 Hz	46285-46285.7 Hz	47036-47036.7 Hz	48314-48314.7 Hz
48535-48535.7 Hz	52097-52097.7 Hz	54293-54293.7 Hz	54297-54297.7 Hz	55592-55592.7 Hz
57927-57927.7 Hz	59907-59907.7 Hz	65586-65586.7 Hz	67697-67697.6 Hz	71204-71204.7 Hz
71447-71447.7 Hz	74017-74017.7 Hz	76227-76227.7 Hz	76659-76659.7 Hz	82024-82024.7 Hz

23. The apparatus according to any one of claims 1 to 9, wherein the cancer is prostate cancer and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

408-408.7 Hz	429.7-430.3 Hz	561-561.7 Hz	568-568.7 Hz	572-572.7 Hz
631-631.7 Hz	709-709.7 Hz	717-717.7 Hz	733-733.7 Hz	810-810.7 Hz
817-817.7 Hz	830-830.7 Hz	1668-1668.7 Hz	1808-1808.6 Hz	2483-2483.7 Hz
2518-2518.7 Hz	2824-2824.7 Hz	3207-3207.7 Hz	3245-3245.7 Hz	3251-3251.7 Hz
3266.3-3267 Hz	3279.3-3280 Hz	3529-3529.7 Hz	3562-3562.7 Hz	3571-3571.7 Hz
3627-3627.7 Hz	3661-3661.7 Hz	3731-3731.7 Hz	3743-3743.7 Hz	3756-3756.7 Hz
3787-3787.7 Hz	3962-3962.7 Hz	4152-4152.7 Hz	4409-4409.7 Hz	4476-4476.7 Hz
4806-4806.7 Hz	4809-4809.7 Hz	4823-4823.7 Hz	4841-4841.7 Hz	4948-4948.7 Hz
4998-4998.7 Hz	5336-5336.7 Hz	5414-5414.7 Hz	5884-5884.7 Hz	6117-6117.7 Hz
6252-6252.7 Hz	6329-6329.7 Hz	6333-6333.7 Hz	6748-6748.7 Hz	6782-6782.7 Hz
7112-7112.7 Hz	7424-7424.7 Hz	7655-7655.7 Hz	7906-7906.7 Hz	7910-7910.7 Hz
7923-7923.7 Hz	8373-8373.7 Hz	8445-8445.7 Hz	8765-8765.7 Hz	8829-8829.7 Hz
8852-8852.7 Hz	8877-8877.7 Hz	9078-9078.7 Hz	9512-9512.7 Hz	9635-9635.7 Hz
9681-9681.7 Hz	9886-9886.7 Hz	10735-10735.7 Hz	10748-10748.7 Hz	10781-10781.7 Hz
10813.2-10813.8 Hz	11134-11134.7 Hz	11155-11155.7 Hz	11164-11164.7 Hz	11264-11264.7 Hz

11381-11381.7 Hz	11416-11416.7 Hz	11438-11438.7 Hz	11469-11469.7 Hz	11628-11628.7 Hz
12330-12330.7 Hz	12391-12391.7 Hz	12880-12880.7 Hz	13467-13467.7 Hz	13562-13562.6 Hz
13805-13805.7 Hz	13828-13828.7 Hz	13834-13834.7 Hz	13857.4-13858 Hz	13858-13858.7 Hz
13871-13871.7 Hz	14009-14009.7 Hz	14034-14034.7 Hz	14153-14153.7 Hz	14489-14489.7 Hz
15071-15071.7 Hz	15149-15149.7 Hz	15233-15233.7 Hz	15253-15253.7 Hz	15263-15263.7 Hz
15435-15435.7 Hz	15545-15545.7 Hz	16176-16176.7 Hz	16329-16329.7 Hz	16679-16679.7 Hz
16804-16804.7 Hz	16821-16821.7 Hz	17333-17333.7 Hz	17435-17435.7 Hz	17974-17974.7 Hz
18260-18260.7 Hz	18641-18641.7 Hz	18831-18831.7 Hz	18884-18884.7 Hz	19453-19453.7 Hz
20948-20948.7 Hz	21119-21119.7 Hz	21167-21167.7 Hz	21636-21636.7 Hz	22312-22312.7 Hz
22361-22361.7 Hz	22419-22419.7 Hz	22430-22430.7 Hz	22443-22443.7 Hz	22459-22459.7 Hz
22879-22879.7 Hz	23117-23117.7 Hz	23137-23137.7 Hz	23412-23412.7 Hz	23548-23548.7 Hz
23686-23686.7 Hz	26142-26142.7 Hz	26465-26465.7 Hz	27328-27328.6 Hz	28653-28653.7 Hz
28744-28744.7 Hz	31572-31572.7 Hz	31633-31633.7 Hz	41062-41062.7 Hz	41325-41325.7 Hz
41473-41473.7 Hz	48683-48683.7 Hz	48793-48793.7 Hz	87507-87507.7 Hz.	

24. The apparatus according to any one of claims 1 to 9, wherein the cancer is rhabdomyosarcoma and wherein frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

304-304.7 Hz	331-331.7 Hz	410-410.7 Hz	420-420.7 Hz	429-429.7 Hz
434-434.7 Hz	461-461.7 Hz	537.4-538 Hz	560-560.7 Hz	572-572.7 Hz
605-605.7 Hz	611-611.7 Hz	618.3-619 Hz	626-626.7 Hz	717-717.7 Hz
776-776.7 Hz	779-779.7 Hz	810-810.7 Hz	814-814.7 Hz	826-826.7 Hz
836.4-837 Hz	843-843.7 Hz	843-843.7 Hz	1314-1314.7 Hz	1411-1411.7 Hz
1467-1467.7 Hz	1785-1785.7 Hz	1816-1816.7 Hz	1903-1903.7 Hz	2073.3-2074 Hz
2155-2155.7 Hz	2287-2287.7 Hz	2381-2381.7 Hz	2542-2542.7 Hz	2711-2711.6 Hz
2854-2854.6 Hz	2911-2911.7 Hz	3085.7-3086.3 Hz	3121-3121.7 Hz	3232-3232.7 Hz
3438-3438.7 Hz	3518-3518.7 Hz	3544-3544.7 Hz	3569-3569.7 Hz	3618-3618.7 Hz
3910-3910.7 Hz	3917-3917.7 Hz	4198-4198.7 Hz	4233.3-4234 Hz	4241-4241.7 Hz
266.3-267 Hz	4337-4337.7 Hz	4358-4358.7 Hz	4424-4424.7 Hz	4436-4436.7 Hz
4485-4485.7 Hz	4731-4731.7 Hz	4749-4749.7 Hz	4776-4776.7 Hz	5151-5151.7 Hz
5521-5521.7 Hz	5545.3-5546 Hz	5577.3-5578 Hz	5618-5618.7 Hz	5631-5631.7 Hz
5696-5696.7 Hz	6058-6058.7 Hz	6443-6443.7 Hz	6472-6472.6 Hz	6558-6558.7 Hz
6651-6651.7 Hz	6730-6730.7 Hz	7168.4-7169 Hz	7406-7406.7 Hz	7440-7440.7 Hz

7452.3-7453 Hz	7649-7649.7 Hz	7808-7808.7 Hz	8542-8542.7 Hz	8546-8546.7 Hz
8562-8562.7 Hz	8576-8576.7 Hz	8698-8698.7 Hz	8881-8881.7 Hz	9040-9040.7 Hz
9074-9074.7 Hz	9189-9189.6 Hz	9484.3-9485 Hz	9851-9851.7 Hz	9943.4-9944 Hz
10870-10870.7 Hz	10891-10891.7 Hz	12086-12086.7 Hz	12648-12648.7 Hz	15195-15195.7 Hz
17316-17316.7 Hz	18021-18021.7 Hz	18567-18567.7 Hz	19384-19384.7 Hz	20097-20097.7 Hz
20278.4-20279 Hz	21854-21854.7 Hz	21890-21890.7 Hz	24198-24198.7 Hz	24413-24413.7 Hz
24789-24789.7 Hz	26534-26534.7 Hz	27713-27713.7 Hz	28222-28222.7 Hz	40489-40489.7 Hz
40762-40762.7 Hz	41279-41279.7 Hz	42923-42923.7 Hz	43166-43166.7 Hz	43692-43692.7 Hz
48583-48583.7 Hz	49434-49434.7 Hz	66553-66553.7 Hz	79658-79658.7 Hz.	

25. The apparatus according to any one of claims 1 to 9, wherein the cancer is colorectal cancer and wherein the frequency synthesizer is configured to generate 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more, or all of the frequencies comprising:

605-605.7 Hz	826-826.7 Hz	834-834.7 Hz	841.9-842.6 Hz	1808-1808.6 Hz
1928-1928.7 Hz	1989-1989.7 Hz	2439.7-2440.3Hz	2714-2714.7 Hz	2747-2747.7 Hz
2759-2759.7 Hz	2807-2807.7 Hz	2826-2826.7 Hz	2981-2981.7 Hz	3209-3209.7 Hz
3213-3213.7 Hz	3244-3244.7 Hz	3261-3261.7 Hz	3548-3548.7 Hz	3634-3634.7 Hz
3646.4-3647 Hz	3915-3915.7 Hz	3922-3922.7 Hz	3940-3940.7 Hz	3946-3946.7 Hz
4135-4135.7 Hz	4155-4155.7 Hz	4224-4224.7 Hz	4241-4241.7 Hz	4283-4283.7 Hz
4323-4323.7 Hz	4438.7-4439.2Hz	4447-4447.7 Hz	4708-4708.7 Hz	4713-4713.7 Hz
4718-4718.7 Hz	4718-4718.7 Hz	4722-4722.7 Hz	4776-4776.7 Hz	4850-4850.7 Hz
4874-4874.7 Hz	5205-5205.7 Hz	5209-5209.7 Hz	5209-5209.7 Hz	5221-5221.7 Hz
5232-5232.7 Hz	5265-5265.7 Hz	5427-5427.7 Hz	5484.4-5485 Hz	6074-6074.7 Hz
6112-6112.7 Hz	6159-6159.7 Hz	6361-6361.7 Hz	6438-6438.7 Hz	6468-6468.7 Hz
6537-6537.7 Hz	6648-6648.7 Hz	6869-6869.7 Hz	6878-6878.7 Hz	6914-6914.7 Hz
6974-6974.7 Hz	6982-6982.7 Hz	6986-6986.7 Hz	7109-7109.7 Hz	7117-7117.7 Hz
7137-7137.7 Hz	7149-7149.7 Hz	7191.7-7192.3Hz	7531-7531.7 Hz	7560-7560.7 Hz
7879-7879.7 Hz	7936-7936.7 Hz	7970-7970.7 Hz	7994-7994.7 Hz	8038.4-8039 Hz
8413-8413.7 Hz	8438-8438.7 Hz	8467-8467.7 Hz	8771-8771.7 Hz	8809-8809.7 Hz
8889-8889.7 Hz	9071-9071.7 Hz	9084-9084.7 Hz	9731-9731.7 Hz	10566-10566.7 Hz
10831.7-10832.1 Hz	10845-10845.7 Hz	10859-10859.7 Hz	10906-10906.7 Hz	10947-10947.7 Hz
10974-10974.7 Hz	11110-11110.7 Hz	11225-11225.7 Hz	11234-11234.7 Hz	11255-11255.7 Hz
11387-11387.7 Hz	11530-11530.7 Hz	11576-11576.7 Hz	11621-11621.7 Hz	11630-11630.7 Hz
11638-11638.7 Hz	11681-11681.7 Hz	11911-11911.7 Hz	11934-11934.7 Hz	11949-11949.7 Hz
12182-12182.7 Hz	12373-12373.7 Hz	12575-12575.7 Hz	12589-12589.7 Hz	12617-12617.7 Hz

12629-12629.7 Hz	12637-12637.7 Hz	12645-12645.7 Hz	13418-13418.7 Hz	13475-13475.7 Hz
13611-13611.7 Hz	13615-13615.7 Hz	13670-13670.7 Hz	13717-13717.7 Hz	13736-13736.7 Hz
13742-13742.7 Hz	13773-13773.7 Hz	13775-13775.7 Hz	13978.3-13979 Hz	14182-14182.7 Hz
14417-14417.7 Hz	14422-14422.7 Hz	14441-14441.7 Hz	14443-14443.7 Hz	14570-14570.7 Hz
14621-14621.7 Hz	14630-14630.7 Hz	14671-14671.7 Hz	14674-14674.7 Hz	14863-14863.7 Hz
14877-14877.7 Hz	14911-14911.7 Hz	14957-14957.7 Hz	14982-14982.7 Hz	15109-15109.7 Hz
15133-15133.7 Hz	15154-15154.7 Hz	15230-15230.7 Hz	15250-15250.7 Hz	15278-15278.7 Hz
16274-16274.7 Hz	17106-17106.7 Hz	17123-17123.7 Hz	17472-17472.7 Hz	17515-17515.7 Hz
17578.4-17579 Hz	17808-17808.7 Hz	17825-17825.7 Hz	18157-18157.7 Hz	18171-18171.7 Hz
18294-18294.7 Hz	18372-18372.7 Hz	18375-18375.7 Hz	18396-18396.7 Hz	18533-18533.7 Hz
18635-18635.7 Hz	19342-19342.7 Hz	19437-19437.7 Hz	19447-19447.7 Hz	19829-19829.7 Hz
20173-20173.7 Hz	20499-20499.7 Hz	21389-21389.7 Hz	21490-21490.7 Hz	21663-21663.7 Hz
21833-21833.7 Hz	22167-22167.7 Hz	22423.4-22424 Hz	22559.3-22560 Hz	22743-22743.7 Hz
23246-23246.7 Hz	23249-23249.7 Hz	23259-23259.7 Hz	23344-23344.7 Hz	23624-23624.7 Hz
23667-23667.7 Hz	24142-24142.7 Hz	26113-26113.7 Hz	26403-26403.7 Hz	28212-28212.7 Hz
28272-28272.7 Hz	28537-28537.7 Hz	30075-30075.7 Hz	30373-30373.7 Hz	31847-31847.7 Hz
33546-33546.7 Hz	35324-35324.7 Hz	35543-35543.7 Hz	42544-42544.7 Hz	42692.3-42693 Hz
42812-42812.7 Hz	42813-42813.7 Hz	43162-43162.7 Hz	43325-43325.7 Hz	44652-44652.7 Hz
46340-46340.7 Hz	46746-46746.7 Hz	48653-48653.7 Hz	51946-51946.7 Hz	52752-52752.7 Hz
80715-80715.7 Hz	94494-94494.7 Hz.			

26. An apparatus for treating a subject suffering from cancer, the apparatus comprising:

a conductive applicator configured to apply to the subject radio frequency radiation, wherein the radio frequency radiation comprises amplitude-modulated output signals; and

a frequency synthesizer coupled to conductive applicator and configured to generate the amplitude-modulated output signals by generating:

a carrier frequency signal having a carrier frequency from 1KHz to 5000 MHz; and

amplitude modulation frequency signals having amplitude modulation frequencies from 0.1 Hz to 150,000 Hz, wherein the amplitude modulation frequencies are selected to be cancer-specific frequencies;

wherein the amplitude modulation frequency signals comprise 10 or more, 15 or more, or 20 or more, 25 or more, or 30 or more, 35 or more, or 40 or more, 45 or more, or 50 or more, 60 or more, 70 or more, 80 or more, 90 or more, or 100 or more of cancer-specific amplitude modulation frequencies selected from Table A:

Table A

262-262.7 Hz	266.3-267 Hz	295-295.6 Hz	334-334.7 Hz
374-374.7 Hz	408-408.7 Hz	415-415.7 Hz	418-418.7 Hz
419.8-420.4 Hz	420-420.7 Hz	420.4-420.8 Hz	429-429.7 Hz
429.7-430.3 Hz	439-439.7 Hz	441-441.7 Hz	442-442.7 Hz
465-465.7 Hz	485-485.7 Hz	527-527.7 Hz	556-556.7 Hz
561-561.7 Hz	568-568.7 Hz	572-572.7 Hz	581-581.7 Hz
594-594.7 Hz	605-605.7 Hz	611-611.7 Hz	612-612.7 Hz
624.32-624.8 Hz	626-626.7 Hz	627-627.7 Hz	631-631.7 Hz
633-633.7 Hz	638-638.7 Hz	677.4-678 Hz	679-679.7 Hz
709-709.7 Hz	717-717.7 Hz	727-727.7 Hz	733-733.7 Hz
737-737.7 Hz	759-759.7 Hz	761-761.7 Hz	810-810.7 Hz
811-811.7 Hz	817-817.7 Hz	826-826.7 Hz	829-829.7 Hz
830-830.7 Hz	834-834.7 Hz	836-836.7 Hz	883-883.7 Hz
959-959.7 Hz	961-961.7 Hz	963.8-964.25 Hz	964.5-965 Hz
966-966.7 Hz	969-969.7 Hz	972-972.7 Hz	974.4-975 Hz
977-977.7 Hz	996-996.7 Hz	1027-1027.7 Hz	1045-1045.7 Hz
1157-1157.7 Hz	1179.2-1179.8Hz	1195-1195.7 Hz	1213-1213.7 Hz
1220-1220.7 Hz	1252-1252.7 Hz	1314-1314.7 Hz	1336-1336.7 Hz
1352-1352.7 Hz	1369-1369.7 Hz	1436-1436.7 Hz	1467-1467.7 Hz
1622-1622.7 Hz	1652-1652.7 Hz	1668-1668.7 Hz	1728-1728.7 Hz
1759-1759.7 Hz	1771.7-1772.3 Hz	1772.3-1772.8 Hz	1785-1785.7 Hz
1808-1808.6 Hz	1815-1815.7 Hz	1823-1823.7 Hz	1858-1858.7 Hz
1868-1868.7 Hz	1881-1881.7 Hz	1897-1897.7 Hz	1903-1903.7 Hz
1914-1914.7 Hz	1928-1928.7 Hz	1963-1963.7 Hz	1966-1966.7 Hz
1967-1967.7 Hz	1973-1973.7 Hz	1989-1989.7 Hz	2021-2021.7 Hz
2023-2023.7 Hz	2035-2035.7 Hz	2044-2044.7 Hz	2065-2065.7 Hz
2094-2094.7 Hz	2111-2111.7 Hz	2128-2128.7 Hz	2189-2189.7 Hz
2284-2284.7 Hz	2287-2287.7 Hz	2313-2313.7 Hz	2321-2321.7 Hz
2328-2328.7 Hz	2346-2346.7 Hz	2359-2359.7 Hz	2372.3-2372.8 Hz
2373-2373.7 Hz	2380-2380.7 Hz	2429-2429.7 Hz	2439.7-2440.3 Hz
2455-2455.7 Hz	2459-2459.7 Hz	2469.2-2469.7Hz	2483-2483.7 Hz
2513-2513.7 Hz	2518-2518.7 Hz	2612-2612.7 Hz	2627-2627.7 Hz
2629-2629.7 Hz	2632-2632.7 Hz	2636-2636.7 Hz	2647-2647.7 Hz
2648-2648.7 Hz	2653.3-2654 Hz	2653.7-2654.4Hz	2679-2679.7 Hz
2697-2697.7 Hz	2706-2706.7 Hz	2707-2707.7 Hz	2714-2714.7 Hz
2720.3-2721 Hz	2726-2726.7 Hz	2738-2738.7 Hz	2747-2747.7 Hz
2754-2754.7 Hz	2759-2759.7 Hz	2762-2762.7 Hz	2774-2774.7 Hz

2778-2778.7 Hz	2807-2807.7 Hz	2811-2811.7 Hz	2824-2824.7 Hz
2825-2825.7 Hz	2826-2826.7 Hz	2830-2830.7 Hz	2834-2834.7 Hz
2836-2836.7 Hz	2840-2840.7 Hz	2842-2842.7 Hz	2854-2854.6 Hz
2854-2854.7 Hz	2858.8-2859.35Hz	2860-2860.7 Hz	2864-2864.7 Hz
2865-2865.7 Hz	2878-2878.7 Hz	2890-2890.7 Hz	2893-2893.7 Hz
2940-2940.7 Hz	2971-2971.6 Hz	2975-2975.7 Hz	2981-2981.7 Hz
3030-3030.7 Hz	3056-3056.7 Hz	3085.7-3086.3Hz	3121-3121.7 Hz
3133-3133.7 Hz	3135-3135.7 Hz	3143-3143.7 Hz	3171-3171.7 Hz
3188-3188.7 Hz	3207-3207.7 Hz	3209-3209.7 Hz	3213-3213.7 Hz
3218-3218.7 Hz	3222-3222.7 Hz	3227.3-3228 Hz	3228-3228.7 Hz
3234-3234.7 Hz	3244-3244.7 Hz	3245-3245.7 Hz	3250.3-3250.8Hz
3251-3251.7 Hz	3261-3261.7 Hz	3267-3267.7 Hz	3269-3269.7 Hz
3272-3272.7 Hz	3279.3-3280 Hz	3280.6-3281.3 Hz	3281.6-3282.1 Hz
3322-3322.7 Hz	3360-3360.7 Hz	3371-3371.7 Hz	3428-3428.7 Hz
3446-3446.7 Hz	3466-3466.7 Hz	3522-3522.7 Hz	3529-3529.7 Hz
3537-3537.7 Hz	3548-3548.7 Hz	3556-3556.7 Hz	3562-3562.7 Hz
3571-3571.7 Hz	3595-3595.7 Hz	3609-3609.7 Hz	3618-3618.7 Hz
3621-3621.7 Hz	3622.5-3623 Hz	3627-3627.7 Hz	3630-3630.7 Hz
3631-3631.7 Hz	3633-3633.7 Hz	3634-3634.7 Hz	3637.7-3638.3Hz
3644-3644.7 Hz	3646-3646.7 Hz	3646.4-3647 Hz	3656-3656.7 Hz
3661-3661.7 Hz	3663-3663.7 Hz	3667-3667.7 Hz	3678-3678.7 Hz
3681.7-3682.3Hz	3687-3687.7 Hz	3694-3694.7 Hz	3731-3731.7 Hz
3743-3743.7 Hz	3749.3-3750 Hz	3756-3756.7 Hz	3762-3762.7 Hz
3787-3787.7 Hz	3817-3817.7 Hz	3823-3823.7 Hz	3833-3833.7 Hz
3839-3839.7 Hz	3842.4-3843 Hz	3854-3854.7 Hz	3877-3877.7 Hz
3908.7-3909.22Hz	3910-3910.7 Hz	3915-3915.7 Hz	3922-3922.7 Hz
3936-3936.7 Hz	3940-3940.7 Hz	3946-3946.7 Hz	3947-3947.7 Hz
3948-3948.7 Hz	3954-3954.7 Hz	3958-3958.6 Hz	3962-3962.7 Hz
3981-3981.7 Hz	4007-4007.7 Hz	4013-4013.7 Hz	4027-4027.7 Hz
4048-4048.7 Hz	4055-4055.7 Hz	4135-4135.7 Hz	4148-4148.7 Hz
4152-4152.7 Hz	4155-4155.7 Hz	4190-4190.7 Hz	4198-4198.7 Hz
4224-4224.7 Hz	4233-4233.7 Hz	4249-4249.7 Hz	4281-4281.7 Hz
4283-4283.7 Hz	4323-4323.7 Hz	4368.3-4369 Hz	4386.4-4387 Hz
4409-4409.7 Hz	4410-4410.7 Hz	4418-4418.7 Hz	4425-4425.7 Hz
4430-4430.7 Hz	4425.7-4426.22Hz	4438.7-4439.2 Hz	4441-4441.7 Hz
4459-4459.7 Hz	4465-4465.7 Hz	4476-4476.7 Hz	4477.4-4478 Hz
4523-4523.7 Hz	4548-4548.7 Hz	4580.11-4580.7Hz	4584-4584.7 Hz
4621-4621.7 Hz	4632-4632.7 Hz	4637-4637.7 Hz	4657-4657.6 Hz
4707-4707.7 Hz	4708-4708.7 Hz	4713-4713.7 Hz	4714-4714.7 Hz
4722-4722.7 Hz	4723-4723.7 Hz	4725-4725.7 Hz	4731-4731.7 Hz
4733-4733.7 Hz	4748-4748.7 Hz	4776-4776.7 Hz	4792-4792.7 Hz
4805.3-4806 Hz	4806-4806.7 Hz	4809-4809.7 Hz	4812-4812.7 Hz
4813-4813.7 Hz	4821-4821.7 Hz	4822-4822.7 Hz	4823-4823.7 Hz
4833-4833.7 Hz	4841-4841.7 Hz	4844-4844.7 Hz	4850-4850.7 Hz
4866-4866.7 Hz	4870-4870.7 Hz	4874-4874.7 Hz	4890-4890.7 Hz
4924-4924.7 Hz	4941-4941.7 Hz	4946-4946.7 Hz	4948-4948.7 Hz
4997-4997.7 Hz	4998-4998.7 Hz	5034-5034.7 Hz	5063-5063.7 Hz
5089-5089.7 Hz	5116-5116.7 Hz	5139-5139.7 Hz	5142-5142.7 Hz

5152-5152.7 Hz	5154-5154.7 Hz	5156-5156.7 Hz	5165.4-5166 Hz
5205-5205.7 Hz	5209-5209.7 Hz	5209.4-5210 Hz	5221-5221.7 Hz
5229-5229.7 Hz	5232-5232.7 Hz	5239-5239.7 Hz	5243-5243.7 Hz
5259-5259.7 Hz	5265-5265.7 Hz	5270-5270.7 Hz	5286-5286.7 Hz
5322-5322.7 Hz	5336-5336.7 Hz	5378.2-5378.7Hz	5407.3-5408 Hz
5414-5414.7 Hz	5424-5424.7 Hz	5427-5427.7 Hz	5438-5438.7 Hz
5484.4-5485 Hz	5510-5510.7 Hz	5533-5533.7 Hz	5618-5618.7 Hz
5640.4-5641 Hz	5671-5671.7 Hz	5714-5714.7 Hz	5716-5716.7 Hz
5741-5741.7 Hz	5742-5742.7 Hz	5752-5752.7 Hz	5766-5766.7 Hz
5881-5881.7 Hz	5884-5884.7 Hz	5976-5976.7 Hz	5996-5996.7 Hz
6010-6010.7 Hz	6024-6024.7 Hz	6058-6058.7 Hz	6070-6070.7 Hz
6074-6074.7 Hz	6094-6094.7 Hz	6112-6112.7 Hz	6117-6117.7 Hz
6159-6159.7 Hz	6167-6167.7 Hz	6179-6179.7 Hz	6220.3-6221 Hz
6252-6252.7 Hz	6297-6297.7 Hz	6298.4-6299 Hz	6317-6317.7 Hz
6330-6330.7 Hz	6333-6333.7 Hz	6334-6334.7 Hz	6346-6346.7 Hz
6380.4-6381 Hz	6392-6392.7 Hz	6413-6413.7 Hz	6414-6414.7 Hz
6416.3-6417 Hz	6419.3-6420 Hz	6423-6423.7 Hz	6432-6432.7 Hz
6436-6436.7 Hz	6438-6438.7 Hz	6441-6441.7 Hz	6443-6443.7 Hz
6444-6444.7 Hz	6468-6468.7 Hz	6469-6469.7 Hz	6479.4-6480 Hz
6488-6488.7 Hz	6492.3-6493 Hz	6513-6513.7 Hz	6537-6537.7 Hz
6648-6648.7 Hz	6717-6717.7 Hz	6727.4-6728 Hz	6730-6730.7 Hz
6748-6748.7 Hz	6751-6751.7 Hz	6781-6781.7 Hz	6782-6782.7 Hz
6808-6808.7 Hz	6809-6809.6 Hz	6825-6825.7 Hz	6832-6832.7 Hz
6840-6840.7 Hz	6841-6841.7 Hz	6847-6847.7 Hz	6864-6864.7 Hz
6869-6869.7 Hz	6897-6897.7 Hz	6911.3-6912 Hz	6912-6912.7 Hz
6914-6914.7 Hz	6968.4-6969 Hz	6974-6974.7 Hz	6982-6982.7 Hz
6986-6986.7 Hz	7013-7013.7 Hz	7037-7037.7 Hz	7042-7042.7 Hz
7080-7080.7 Hz	7098-7098.7 Hz	7109-7109.7 Hz	7110-7110.7 Hz
7112-7112.7 Hz	7117-7117.7 Hz	7136-7136.7 Hz	7137-7137.7 Hz
7145.4-7146 Hz	7149-7149.7 Hz	7151-7151.7 Hz	7158-7158.7 Hz
7160-7160.7 Hz	7169-7169.7 Hz	7191.7-7192.3Hz	7222.4-7223 Hz
7225-7225.7 Hz	7234-7234.7 Hz	7239-7239.7 Hz	7246-7246.7 Hz
7253-7253.7 Hz	7268-7268.7 Hz	7274-7274.7 Hz	7283-7283.7 Hz
7338-7338.7 Hz	7367-7367.7 Hz	7378-7378.7 Hz	7404.4-7405 Hz
7424-7424.7 Hz	7440-7440.7 Hz	7481-7481.7 Hz	7510-7510.7 Hz
7526-7526.6 Hz	7531-7531.7 Hz	7546-7546.7 Hz	7551-7551.7 Hz
7560-7560.7 Hz	7646-7646.7 Hz	7652-7652.7 Hz	7655-7655.7 Hz
7673-7673.7 Hz	7676-7676.7 Hz	7719-7719.7 Hz	7748-7748.7 Hz
7787-7787.7 Hz	7808-7808.7 Hz	7811-7811.7 Hz	7855-7855.7 Hz
7857-7857.7 Hz	7865-7865.7 Hz	7879-7879.7 Hz	7906-7906.7 Hz
7910-7910.7 Hz	7913-7913.7 Hz	7923-7923.7 Hz	7927-7927.7 Hz
7930-7930.7 Hz	7936-7936.7 Hz	7951-7951.7 Hz	7970-7970.7 Hz
7981-7981.7 Hz	7994-7994.7 Hz	8012.3-8013 Hz	8013-8013.7 Hz
8024-8024.7 Hz	8026-8026.7 Hz	8032-8032.7 Hz	8039-8039.7 Hz
8043-8043.7 Hz	8074-8074.7 Hz	8079-8079.7 Hz	8097-8097.7 Hz
8125-8125.7 Hz	8145-8145.7 Hz	8158-8158.7 Hz	8217.4-8218 Hz
8251-8251.7 Hz	8314-8314.7 Hz	8332-8332.7 Hz	8347-8347.7 Hz
8355-8355.7 Hz	8373-8373.7 Hz	8386-8386.7 Hz	8388-8388.7 Hz

8412-8412.7 Hz	8413-8413.7 Hz	8421-8421.7 Hz	8427-8427.7 Hz
8445-8445.7 Hz	8447-8447.7 Hz	8467-8467.7 Hz	8478.3-8479 Hz
8480-8480.7 Hz	8484-8484.7 Hz	8509.4-8510 Hz	8522-8522.7 Hz
8546-8546.7 Hz	8562-8562.7 Hz	8576-8576.7 Hz	8698-8698.7 Hz
8731-8731.7 Hz	8734-8734.7 Hz	8740-8740.7 Hz	8755-8755.7 Hz
8756-8756.7 Hz	8757-8757.7 Hz	8765-8765.7 Hz	8771-8771.7 Hz
8789.3-8790 Hz	8809-8809.7 Hz	8810-8810.7 Hz	8814-8814.7 Hz
8823-8823.7 Hz	8824-8824.7 Hz	8827.4-8828 Hz	8829-8829.7 Hz
8837-8837.7 Hz	8841-8841.7 Hz	8843-8843.7 Hz	8845-8845.7 Hz
8846-8846.7 Hz	8853-8853.7 Hz	8859.3-8860 Hz	8872-8872.7 Hz
8877-8877.7 Hz	8881-8881.7 Hz	8889-8889.7 Hz	8926-8926.7 Hz
8935-8935.6 Hz	8949-8949.7 Hz	9023-9023.7 Hz	9071-9071.7 Hz
9075-9075.7 Hz	9078-9078.7 Hz	9084-9084.7 Hz	9106-9106.7 Hz
9109-9109.7 Hz	9112-9112.7 Hz	9122-9122.7 Hz	9123-9123.7 Hz
9133-9133.7 Hz	9136-9136.7 Hz	9146-9146.7 Hz	9155.7-9156.2Hz
9157-9157.7 Hz	9161-9161.7 Hz	9169-9169.7 Hz	9174-9174.7 Hz
9179-9179.7 Hz	9194-9194.7 Hz	9230-9230.7 Hz	9236-9236.7 Hz
9247-9247.7 Hz	9273-9273.7 Hz	9506-9506.7 Hz	9512-9512.7 Hz
9573-9573.7 Hz	9588-9588.7 Hz	9635-9635.7 Hz	9656-9656.7 Hz
9681-9681.7 Hz	9695-9695.7 Hz	9731-9731.7 Hz	9846-9846.7 Hz
9851-9851.7 Hz	9886-9886.7 Hz	9921-9921.7 Hz	9929-9929.7 Hz
9935-9935.7 Hz	9947-9947.7 Hz	9961-9961.7 Hz	9970-9970.7 Hz
10013-10013.7 Hz	10064-10064.7 Hz	10073-10073.7 Hz	10137-10137.7 Hz
10140-10140.7 Hz	10159-10159.7 Hz	10339.8-10340.4Hz	10342-10342.6 Hz
10345-10345.7 Hz	10352-10352.7 Hz	10362-10362.7 Hz	10378-10378.7 Hz
10384-10384.7 Hz	10387-10387.7 Hz	10395-10395.7 Hz	10427-10427.7 Hz
10436-10436.7 Hz	10439-10439.7 Hz	10484-10484.7 Hz	10488-10488.7 Hz
10541-10541.7 Hz	10566-10566.7 Hz	10566.4-10567 Hz	10633-10633.7 Hz
10641-10641.7 Hz	10645-10645.7 Hz	10661-10661.7 Hz	10665.4-10666 Hz
10671-10671.7 Hz	10673-10673.7 Hz	10690-10690.7 Hz	10708-10708.7 Hz
10727-10727.7 Hz	10731-10731.7 Hz	10735-10735.7 Hz	10740-10740.7 Hz
10745-10745.7 Hz	10748-10748.7 Hz	10762-10762.7 Hz	10768-10768.7 Hz
10776-10776.7 Hz	10781-10781.7 Hz	10788-10788.7 Hz	10802-10802.7 Hz
10805-10805.7 Hz	10809-10809.7 Hz	10813.2-10813.8Hz	10830-10830.7 Hz
10831-10831.7 Hz	10831.7-10832.1Hz	10834-10834.7 Hz	10844-10844.7 Hz
10845-10845.7 Hz	10848.7-10849.3Hz	10851-10851.7 Hz	10854-10854.7 Hz
10859-10859.7 Hz	10870-10870.7 Hz	10873-10873.7 Hz	10876-10876.7 Hz
10878-10878.7 Hz	10889-10889.7 Hz	10891-10891.7 Hz	10894-10894.7 Hz
10906-10906.7 Hz	10947-10947.7 Hz	10974-10974.7 Hz	10993-10993.7 Hz
11023-11023.7 Hz	11031-11031.7 Hz	11042-11042.7 Hz	11046-11046.7 Hz
11074-11074.7 Hz	11081-11081.7 Hz	11083-11083.7 Hz	11109.3-11110 Hz
11110-11110.7 Hz	11117-11117.7 Hz	11124-11124.7 Hz	11134-11134.7 Hz
11155-11155.7 Hz	11159-11159.7 Hz	11163-11163.7 Hz	11164-11164.7 Hz
11174-11174.7 Hz	11209-11209.7 Hz	11219-11219.7 Hz	11225-11225.7 Hz
11234-11234.7 Hz	11243-11243.7 Hz	11247-11247.7 Hz	11253-11253.7 Hz
11255-11255.7 Hz	11260-11260.7 Hz	11264-11264.7 Hz	11267-11267.7 Hz
11275-11275.7 Hz	11277.3-11278 Hz	11284-11284.7 Hz	11295-11295.7 Hz
11336-11336.7 Hz	11381-11381.7 Hz	11387-11387.7 Hz	11414-11414.7 Hz

11416-11416.7 Hz	11429-11429.7 Hz	11438-11438.7 Hz	11469-11469.7 Hz
11524-11524.7 Hz	11530-11530.7 Hz	11533-11533.7 Hz	11551.3-11552 Hz
11556-11556.7 Hz	11569-11569.7 Hz	11576-11576.7 Hz	11582-11582.7 Hz
11590-11590.7 Hz	11619-11619.7 Hz	11621-11621.7 Hz	11628-11628.7 Hz
11630-11630.7 Hz	11637-11637.7 Hz	11638-11638.7 Hz	11681-11681.7 Hz
11699-11699.7 Hz	11719-11719.7 Hz	11730.6-11731.1Hz	11745-11745.7 Hz
11779-11779.7 Hz	11785-11785.7 Hz	11809-11809.7 Hz	11831-11831.7 Hz
11867-11867.7 Hz	11872-11872.7 Hz	11905-11905.7 Hz	11911-11911.7 Hz
11913-11913.7 Hz	11929-11929.7 Hz	11931-11931.7 Hz	11934-11934.7 Hz
11946-11946.7 Hz	11949-11949.7 Hz	11956-11956.7 Hz	11974-11974.7 Hz
11993-11993.7 Hz	11994-11994.7 Hz	12118-12118.7 Hz	12120.2-12120.7Hz
12135-12135.7 Hz	12137-12137.7 Hz	12144-12144.7 Hz	12152-12152.7 Hz
12165-12165.7 Hz	12182-12182.7 Hz	12184-12184.7 Hz	12302-12302.7 Hz
12309-12309.7 Hz	12318-12318.7 Hz	12330-12330.7 Hz	12342-12342.7 Hz
12356-12356.7 Hz	12364-12364.7 Hz	12373-12373.7 Hz	12391-12391.7 Hz
12498-12498.7 Hz	12557-12557.7 Hz	12572-12572.7 Hz	12575-12575.7 Hz
12588-12588.7 Hz	12589-12589.7 Hz	12617-12617.7 Hz	12629-12629.7 Hz
12637-12637.7 Hz	12645-12645.7 Hz	12649-12649.7 Hz	12682-12682.7 Hz
12711-12711.7 Hz	12752-12752.7 Hz	12783-12783.7 Hz	12880-12880.7 Hz
12929-12929.7 Hz	13117-13117.7 Hz	13127-13127.7 Hz	13215-13215.7 Hz
13222-13222.7 Hz	13241-13241.7 Hz	13252-13252.7 Hz	13307-13307.7 Hz
13329-13329.7 Hz	13330.7-13331.2Hz	13373-13373.7 Hz	13375-13375.7 Hz
13377-13377.7 Hz	13386-13386.7 Hz	13408-13408.7 Hz	13418-13418.7 Hz
13434-13434.7 Hz	13475-13475.7 Hz	13562-13562.6 Hz	13571-13571.7 Hz
13609-13609.7 Hz	13611-13611.7 Hz	13615-13615.7 Hz	13617-13617.7 Hz
13636.2-13636.7Hz	13644-13644.7 Hz	13661-13661.7 Hz	13670-13670.7 Hz
13679-13679.7 Hz	13686.4-13687 Hz	13694-13694.7 Hz	13713-13713.7 Hz
13714-13714.7 Hz	13734-13734.7 Hz	13736-13736.7 Hz	13738.3-13739 Hz
13742-13742.7 Hz	13746-13746.7 Hz	13747-13747.7 Hz	13751-13751.7 Hz
13755-13755.7 Hz	13760-13760.7 Hz	13761-13761.7 Hz	13767-13767.7 Hz
13773-13773.7 Hz	13774-13774.7 Hz	13775-13775.7 Hz	13780-13780.7 Hz
13805-13805.7 Hz	13819-13819.7 Hz	13828-13828.7 Hz	13834-13834.7 Hz
13847-13847.7 Hz	13856-13856.7 Hz	13857.4-13858 Hz	13858-13858.7 Hz
13871-13871.7 Hz	13903-13903.7 Hz	13947-13947.7 Hz	13978.3-13979 Hz
13981-13981.7 Hz	14005-14005.7 Hz	14009-14009.7 Hz	14016.4-14017 Hz
14027-14027.7 Hz	14034-14034.7 Hz	14052-14052.7 Hz	14070-14070.7 Hz
14078-14078.7 Hz	14111-14111.7 Hz	14114-14114.7 Hz	14116-14116.7 Hz
14153-14153.7 Hz	14156-14156.7 Hz	14160-14160.7 Hz	14164-14164.7 Hz
14170.7-14171.3Hz	14174-14174.7 Hz	14182-14182.7 Hz	14249-14249.7 Hz
14279-14279.7 Hz	14281-14281.7 Hz	14285-14285.7 Hz	14308-14308.7 Hz
14333.4-14333.9Hz	14350-14350.7 Hz	14356-14356.7 Hz	14376-14376.7 Hz
14417-14417.7 Hz	14422-14422.7 Hz	14432-14432.7 Hz	14441-14441.7 Hz
14443-14443.7 Hz	14456-14456.7 Hz	14462-14462.7 Hz	14479-14479.7 Hz
14483-14483.7 Hz	14489-14489.7 Hz	14511-14511.7 Hz	14523-14523.7 Hz
14524-14524.7 Hz	14531-14531.7 Hz	14532-14532.7 Hz	14540-14540.7 Hz
14545-14545.7 Hz	14553-14553.7 Hz	14558-14558.7 Hz	14564-14564.7 Hz
14570-14570.7 Hz	14574-14574.7 Hz	14585-14585.7 Hz	14589-14589.7 Hz
14621-14621.7 Hz	14630-14630.7 Hz	14670.4-14671 Hz	14671-14671.7 Hz

14674-14674.7 Hz	14690-14690.7 Hz	14716-14716.7 Hz	14729-14729.7 Hz
14756-14756.7 Hz	14796-14796.7 Hz	14813-14813.7 Hz	14835-14835.7 Hz
14858-14858.7 Hz	14863-14863.7 Hz	14867-14867.7 Hz	14877-14877.7 Hz
14885-14885.7 Hz	14911-14911.7 Hz	14912-14912.7 Hz	14913.4-14914 Hz
14922-14922.7 Hz	14940-14940.7 Hz	14940.4-14941 Hz	14957-14957.7 Hz
14961-14961.7 Hz	14974-14974.7 Hz	14982-14982.7 Hz	15006-15006.7 Hz
15033-15033.7 Hz	15035-15035.6 Hz	15056-15056.7 Hz	15067-15067.7 Hz
15071-15071.7 Hz	15109-15109.7 Hz	15112-15112.7 Hz	15126-15126.7 Hz
15133-15133.7 Hz	15154-15154.7 Hz	15173-15173.7 Hz	15179-15179.7 Hz
15195-15195.7 Hz	15223-15223.7 Hz	15224-15224.7 Hz	15225-15225.6 Hz
15226-15226.7 Hz	15230-15230.7 Hz	15233-15233.7 Hz	15236-15236.7 Hz
15244-15244.7 Hz	15250-15250.7 Hz	15253-15253.7 Hz	15263-15263.7 Hz
15269-15269.7 Hz	15278-15278.7 Hz	15329-15329.7 Hz	15432-15432.7 Hz
15435-15435.7 Hz	15460-15460.7 Hz	15515-15515.7 Hz	15521-15521.7 Hz
15528-15528.7 Hz	15531-15531.7 Hz	15536-15536.7 Hz	15539-15539.7 Hz
15545-15545.7 Hz	15546.3-15547 Hz	15550.4-15551 Hz	15563-15563.7 Hz
15576-15576.7 Hz	15589-15589.7 Hz	15615-15615.7 Hz	15621-15621.7 Hz
15624-15624.7 Hz	15642-15642.7 Hz	15647-15647.7 Hz	15663-15663.7 Hz
15669-15669.7 Hz	15678-15678.7 Hz	15698-15698.7 Hz	15711-15711.7 Hz
15724-15724.7 Hz	15729-15729.7 Hz	15740-15740.7 Hz	15749-15749.7 Hz
15773-15773.7 Hz	15817-15817.7 Hz	15823-15823.7 Hz	15824-15824.7 Hz
15825-15825.7 Hz	15835-15835.7 Hz	15836-15836.7 Hz	15857-15857.7 Hz
15867-15867.7 Hz	15897-15897.7 Hz	15919-15919.7 Hz	15942-15942.7 Hz
15982-15982.7 Hz	16071-16071.7 Hz	16082-16082.7 Hz	16096-16096.7 Hz
16143-16143.7 Hz	16176-16176.7 Hz	16274-16274.7 Hz	16309-16309.7 Hz
16329-16329.7 Hz	16347-16347.7 Hz	16381-16381.7 Hz	16515-16515.7 Hz
16679-16679.7 Hz	16804-16804.7 Hz	16821-16821.7 Hz	17095-17095.7 Hz
17106-17106.7 Hz	17123-17123.7 Hz	17167-17167.7 Hz	17214-17214.7 Hz
17229-17229.7 Hz	17246-17246.7 Hz	17268-17268.7 Hz	17271-17271.7 Hz
17283-17283.7 Hz	17333-17333.7 Hz	17379-17379.7 Hz	17417-17417.7 Hz
17418-17418.7 Hz	17435-17435.7 Hz	17455-17455.7 Hz	17472-17472.7 Hz
17473-17473.7 Hz	17474-17474.7 Hz	17485-17485.7 Hz	17515-17515.7 Hz
17556-17556.7 Hz	17578.4-17579 Hz	17581-17581.7 Hz	17621-17621.7 Hz
17636-17636.7 Hz	17655-17655.7 Hz	17673-17673.7 Hz	17737-17737.7 Hz
17739-17739.7 Hz	17749-17749.7 Hz	17757-17757.7 Hz	17808-17808.7 Hz
17825-17825.7 Hz	17832-17832.7 Hz	17944-17944.7 Hz	17962-17962.7 Hz
17974-17974.7 Hz	17978-17978.7 Hz	18021-18021.7 Hz	18040-18040.7 Hz
18087-18087.7 Hz	18090-18090.7 Hz	18126-18126.7 Hz	18140-18140.7 Hz
18157-18157.7 Hz	18171-18171.7 Hz	18182-18182.7 Hz	18211-18211.7 Hz
18221-18221.7 Hz	18222-18222.7 Hz	18246-18246.7 Hz	18260-18260.7 Hz
18274-18274.7 Hz	18279-18279.7 Hz	18294-18294.7 Hz	18372-18372.7 Hz
18375-18375.7 Hz	18396-18396.7 Hz	18411-18411.7 Hz	18454-18454.7 Hz
18462-18462.7 Hz	18521-18521.7 Hz	18533-18533.7 Hz	18567-18567.7 Hz
18585-18585.7 Hz	18596-18596.7 Hz	18618-18618.7 Hz	18635-18635.7 Hz
18641-18641.7 Hz	18655-18655.7 Hz	18670.3-18671 Hz	18672-18672.7 Hz
18678-18678.7 Hz	18678.7-18679.3Hz	18686-18686.7 Hz	18742-18742.7 Hz
18831-18831.7 Hz	18842-18842.7 Hz	18884-18884.7 Hz	18895-18895.7 Hz
18897-18897.7 Hz	18922-18922.7 Hz	19026-19026.7 Hz	19059-19059.7 Hz

19125-19125.7 Hz	19269-19269.7 Hz	19342-19342.7 Hz	19365-19365.7 Hz
19384-19384.7 Hz	19393-19393.7 Hz	19419-19419.7 Hz	19426-19426.7 Hz
19433-19433.7 Hz	19437-19437.7 Hz	19446-19446.7 Hz	19447-19447.7 Hz
19453-19453.7 Hz	19464-19464.7 Hz	19476-19476.7 Hz	19489.3-19490 Hz
19510-19510.7 Hz	19577-19577.7 Hz	19686-19686.4 Hz	19715-19715.7 Hz
19724-19724.7 Hz	19744-19744.7 Hz	19782-19782.7 Hz	19817-19817.7 Hz
19819-19819.7 Hz	19823-19823.7 Hz	19827-19827.7 Hz	19829-19829.7 Hz
19861-19861.7 Hz	19867-19867.7 Hz	19889-19889.7 Hz	20097-20097.7 Hz
20123-20123.7 Hz	20128-20128.7 Hz	20144-20144.7 Hz	20149.3-20150 Hz
20173-20173.7 Hz	20219-20219.7 Hz	20229-20229.7 Hz	20237-20237.7 Hz
20254-20254.7 Hz	20256-20256.7 Hz	20278.4-20279 Hz	20284-20284.7 Hz
20286-20286.7 Hz	20324-20324.7 Hz	20499-20499.7 Hz	20513-20513.7 Hz
20634-20634.7 Hz	20747-20747.7 Hz	20818-20818.7 Hz	20825-20825.7 Hz
20908-20908.7 Hz	20948-20948.7 Hz	21119-21119.7 Hz	21167-21167.7 Hz
21291.4-21292 Hz	21372-21372.7 Hz	21389-21389.7 Hz	21430-21430.7 Hz
21445-21445.7 Hz	21466-21466.7 Hz	21467-21467.7 Hz	21490-21490.7 Hz
21546-21546.7 Hz	21567-21567.7 Hz	21616-21616.7 Hz	21636-21636.7 Hz
21663-21663.7 Hz	21664-21664.7 Hz	21708-21708.7 Hz	21714-21714.7 Hz
21720-21720.7 Hz	21778-21778.7 Hz	21833-21833.7 Hz	21840-21840.7 Hz
21844-21844.7 Hz	21854-21854.7 Hz	21865-21865.7 Hz	21870-21870.7 Hz
21876-21876.7 Hz	21887-21887.7 Hz	21890-21890.7 Hz	21894-21894.7 Hz
21963-21963.7 Hz	22020-22020.7 Hz	22073-22073.7 Hz	22119-22119.7 Hz
22167-22167.7 Hz	22312-22312.7 Hz	22338-22338.7 Hz	22344-22344.7 Hz
22350-22350.7 Hz	22353-22353.7 Hz	22355-22355.7 Hz	22361-22361.7 Hz
22411-22411.7 Hz	22419-22419.7 Hz	22422-22422.7 Hz	22423.4-22424 Hz
22425-22425.7 Hz	22430-22430.7 Hz	22437-22437.7 Hz	22443-22443.7 Hz
22444-22444.7 Hz	22454-22454.7 Hz	22459-22459.7 Hz	22484-22484.7 Hz
22491-22491.7 Hz	22519-22519.7 Hz	22535-22535.7 Hz	22538-22538.7 Hz
22548-22548.7 Hz	22559.3-22560 Hz	22582-22582.7 Hz	22597-22597.7 Hz
22709-22709.7 Hz	22730-22730.6 Hz	22742-22742.7 Hz	22743-22743.7 Hz
22763-22763.7 Hz	22822-22822.7 Hz	22832-22832.7 Hz	22840.3-22841 Hz
22846-22846.7 Hz	22859-22859.7 Hz	22863-22863.7 Hz	22867-22867.7 Hz
22879-22879.7 Hz	22932-22932.7 Hz	22973-22973.7 Hz	22983-22983.7 Hz
23012-23012.7 Hz	23044-23044.7 Hz	23111-23111.7 Hz	23117-23117.7 Hz
23137-23137.7 Hz	23216-23216.7 Hz	23237-23237.7 Hz	23246-23246.7 Hz
23249-23249.7 Hz	23258-23258.7 Hz	23259-23259.7 Hz	23261-23261.7 Hz
23284-23284.7 Hz	23344-23344.7 Hz	23412-23412.7 Hz	23444-23444.7 Hz
23509-23509.7 Hz	23526-23526.7 Hz	23548-23548.7 Hz	23560-23560.7 Hz
23589-23589.7 Hz	23624-23624.7 Hz	23652-23652.7 Hz	23659-23659.7 Hz
23667-23667.7 Hz	23686-23686.7 Hz	23730-23730.7 Hz	23921-23921.7 Hz
23946-23946.7 Hz	23957-23957.7 Hz	24014-24014.7 Hz	24060-24060.7 Hz
24073-24073.7 Hz	24085-24085.7 Hz	24112-24112.7 Hz	24117-24117.7 Hz
24142-24142.7 Hz	24146-24146.7 Hz	24174-24174.7 Hz	24196-24196.7 Hz
24198-24198.7 Hz	24228-24228.7 Hz	24275-24275.7 Hz	24413-24413.7 Hz
24508-24508.7 Hz	24609.3-24610 Hz	24789-24789.7 Hz	24811-24811.7 Hz
24841-24841.7 Hz	24869-24869.7 Hz	25199-25199.7 Hz	25449-25449.7 Hz
25454-25454.7 Hz	26044-26044.7 Hz	26073-26073.7 Hz	26113-26113.7 Hz
26142-26142.7 Hz	26163-26163.7 Hz	26164-26164.7 Hz	26212-26212.7 Hz

26343-26343.7 Hz	26403-26403.7 Hz	26465-26465.7 Hz	26534-26534.7 Hz
26722-26722.7 Hz	26861-26861.7 Hz	26954-26954.7 Hz	27114-27114.7 Hz
27214-27214.7 Hz	27291-27291.7 Hz	27328-27328.6 Hz	27478-27478.7 Hz;
27713-27713.7 Hz	28212-28212.7 Hz	28222-28222.7 Hz	28272-28272.7 Hz
28361-28361.7 Hz	28537-28537.7 Hz	28653-28653.7 Hz	28744-28744.7 Hz
30075-30075.7 Hz	30304-30304.7 Hz	30373-30373.7 Hz	30463.3-30464 Hz
30666-30666.7 Hz	30713-30713.7 Hz	30759-30759.7 Hz	30942-30942.7 Hz
31051-31051.7 Hz	31572-31572.7 Hz	31633-31633.7 Hz	31685-31685.7 Hz
31713-31713.7 Hz	31847-31847.7 Hz	32143-32143.7 Hz	32493-32493.7 Hz
32591.3-32592 Hz	32866-32866.7 Hz	32870-32870.7 Hz	33366-33366.7 Hz
33414-33414.7 Hz	33536-33536.7 Hz	33546-33546.7 Hz	33553-33553.7 Hz
33765-33765.7 Hz	34405-34405.7 Hz	34557.3-34558 Hz	34562-34562.7 Hz
34614-34614.7 Hz	34854-34854.7 Hz	34984-34984.6 Hz	35296-35296.7 Hz
35324-35324.7 Hz	35543-35543.7 Hz	35826-35826.7 Hz	36343-36343.7 Hz
36410-36410.7 Hz	37527-37527.7 Hz	37546-37546.7 Hz	37680-37680.7 Hz
38144-38144.7 Hz	38216-38216.7 Hz	38483-38483.7 Hz	38659-38659.7 Hz
38682-38682.7 Hz	39035-39035.7 Hz	39053-39053.7 Hz	39153-39153.7 Hz
39183-39183.7 Hz	39223-39223.7 Hz	39423-39423.7 Hz	39510-39510.7 Hz
39586-39586.7 Hz	39729-39729.7 Hz	40111-40111.7 Hz	40133-40133.7 Hz
40394-40394.7 Hz	40489-40489.7 Hz	40595-40595.7 Hz	40693-40693.7 Hz
40734-40734.7 Hz	40762-40762.7 Hz	40896-40896.7 Hz	40899-40899.7 Hz
41062-41062.7 Hz	41172-41172.7 Hz	41244-41244.7 Hz	41279-41279.7 Hz
41325-41325.7 Hz	41424-41424.7 Hz	41473-41473.7 Hz	41534-41534.7 Hz
41557-41557.7 Hz	41561-41561.7 Hz	41574-41574.7 Hz	41623-41623.7 Hz
41735-41735.7 Hz	41859-41859.7 Hz	41861-41861.7 Hz	41883-41883.7 Hz
42146-42146.7 Hz	42293-42293.7 Hz	42402-42402.7 Hz	42544-42544.7 Hz
42692.3-42693 Hz	42713-42713.7 Hz	42812-42812.7 Hz	42813-42813.7 Hz
42913-42913.7 Hz	42923-42923.7 Hz	43162-43162.7 Hz	43166-43166.7 Hz
43172-43172.7 Hz	43243-43243.7 Hz	43325-43325.7 Hz	43379-43379.7 Hz
43413-43413.7 Hz	43542-43542.7 Hz	43603-43603.7 Hz	43633-43633.7 Hz
43692-43692.7 Hz	43851-43851.7 Hz	44162-44162.7 Hz	44517-44517.7 Hz
44531-44531.7 Hz	44575.3-44576 Hz	44652-44652.7 Hz	44692-44692.7 Hz
44742-44742.7 Hz	44773-44773.7 Hz	44855-44855.7 Hz	44913-44913.7 Hz
45163-45163.7 Hz	45362-45362.7 Hz	45393-45393.7 Hz	45474-45474.7 Hz
45490-45490.7 Hz	45526-45526.7 Hz	46112-46112.7 Hz	46143-46143.7 Hz
46282-46282.7 Hz	46285-46285.7 Hz	46340-46340.7 Hz	46662-46662.7 Hz
46666-46666.7 Hz	46672.3-46673 Hz	46673-46673.7 Hz	46689-46689.6 Hz
46746-46746.7 Hz	46793-46793.7 Hz	47036-47036.7 Hz	47297-47297.7 Hz
47693.4-47694 Hz	48103-48103.7 Hz	48173-48173.7 Hz	48204-48204.7 Hz
48314-48314.7 Hz	48535-48535.7 Hz	48583-48583.7 Hz	48653-48653.7 Hz
48683-48683.7 Hz	48793-48793.7 Hz	49434-49434.7 Hz	50072-50072.7 Hz
50229-50229.7 Hz	50243-50243.7 Hz	50254-50254.7 Hz	50292-50292.7 Hz
51008-51008.7 Hz	51592-51592.7 Hz	51946-51946.7 Hz	52063-52063.7 Hz
52097-52097.7 Hz	52752-52752.7 Hz	52786-52786.7 Hz	52812-52812.7 Hz
52912-52912.7 Hz	53079-53079.7 Hz	53947-53947.7 Hz	54293-54293.7 Hz
54297-54297.7 Hz	55072-55072.7 Hz	55592-55592.7 Hz	55723-55723.7 Hz
56093-56093.7 Hz	57927-57927.7 Hz	58094-58094.7 Hz	59089-59089.7 Hz
59288-59288.7 Hz	59907-59907.7 Hz	59997-59997.7 Hz	61287-61287.7 Hz

61789-61789.7 Hz	65586-65586.7 Hz	66553-66553.7 Hz	66969-66969.7 Hz
67683-67683.7 Hz	67697-67697.6 Hz	69481-69481.7 Hz	71204-71204.7 Hz
71447-71447.7 Hz	71635-71635.7 Hz	74017-74017.7 Hz	76227-76227.7 Hz
76537-76537.7 Hz	76659-76659.7 Hz	78229-78229.7 Hz	78477.4-78478 Hz
79658-79658.7 Hz	79867-79867.7 Hz	80715-80715.7 Hz	80993.3-80994 Hz
81999-81999.7 Hz	82024-82024.7 Hz	82845-82845.7 Hz	83612-83612.7 Hz
84086-84086.7 Hz	85810-85810.7 Hz	86521-86521.7 Hz	87507-87507.7 Hz
87798.3-87799 Hz	88281-88281.7 Hz	88898-88898.7 Hz	89748-89748.7 Hz
91245-91245.7 Hz	91271-91271.7 Hz	91877-91877.7 Hz	92182-92182.7 Hz
92361.3-92362 Hz	92787-92787.7 Hz	93332-93332.7 Hz	93530-93530.7 Hz
94494-94494.7 Hz	94968.3-94969 Hz	95245-95245.7 Hz	95742-95742.7 Hz
99281-99281.7 Hz	99846-99846.7 Hz		

27. The apparatus of claim 26, wherein the cancer is selected from the group consisting of: breast cancer, neuroendocrine tumors, non-Hodgkin lymphoma, adenocarcinoma, head and neck cancer, gastric cancer, glioblastoma, squamous cell carcinoma, hepatocellular carcinoma, cholangiocarcinoma, mesothelioma, thyroid cancer, prostate cancer, rhabdomyosarcoma, lung cancer, kidney cancer, ovarian cancer, bladder cancer, leiomyosarcoma, myeloma, lymphoma, leukemia, chronic lymphoid cancer, brain cancer, and colorectal cancer.

28. The apparatus of claim 26 or 27, wherein the carrier frequency is from 0.1 - 1000 MHz, or from 1-500 MHz, or from 1-100 MHz, or from 5-50 MHz, or from 10 MHz to 40 MHz, or from 15 MHz to 30 MHz.

29. The apparatus according to any one of claims 26 to 28, wherein the frequency synthesizer is a digital frequency synthesizer comprising:

a digital carrier frequency synthesizer configured to output the carrier frequency digital signal;

a digital amplitude modulation frequency synthesizer configured to output the amplitude modulation frequency digital signals; and

an arithmetic logic unit (ALU) configured to numerically compute digital amplitude modulated signals from the carrier frequency digital signal and modulation frequency digital signals in real-time; and

a digital to analog converter (DAC) configured to convert the one or more digital amplitude modulated signals to the amplitude-modulated output signals.

30. An apparatus for treating a subject suffering from cancer, the apparatus comprising:

a conductive applicator configured to apply to the subject radio frequency radiation, wherein the radio frequency radiation comprises one or more amplitude-modulated output signals; and

a frequency synthesizer coupled to the conductive applicator and configured to generate the one or more amplitude-modulated output signals by generating:

a carrier frequency signal having a carrier frequency from 1KHz to 5000 MHz; and

amplitude modulation frequency signals having amplitude modulation frequencies from 0.1 Hz to 150,000 Hz, wherein the amplitude modulation frequencies are selected to be cancer-specific frequencies;

wherein the frequency synthesizer is a digital frequency synthesizer comprising:

a digital carrier frequency synthesizer configured to output the carrier frequency digital signal;

a digital amplitude modulation frequency synthesizer configured to output the one or more amplitude modulation frequency digital signals;

an arithmetic logic unit (ALU) configured to numerically compute one or more digital amplitude modulated signals from the carrier frequency digital signal and a modulation frequency digital signal in real-time; and

a digital to analog converter (DAC) configured to convert the one or more digital amplitude modulated signals to the one or more amplitude-modulated output signals.

31. The apparatus of claim 30, wherein the cancer is selected from the group consisting of: breast cancer, neuroendocrine tumors, non-Hodgkin lymphoma, adenocarcinoma, head and neck cancer, gastric cancer, glioblastoma, squamous cell carcinoma, hepatocellular carcinoma, cholangiocarcinoma, mesothelioma, thyroid cancer, prostate cancer, rhabdomyosarcoma, lung cancer, kidney cancer, ovarian cancer, bladder cancer, leiomyosarcoma, myeloma, lymphoma, leukemia, chronic lymphoid cancer, brain cancer, and colorectal cancer.

32. The apparatus of claim 30 or 31, wherein the carrier frequency is from 0.1 - 1000 MHz, or from 1-500 MHz, or from 1-100 MHz, or from 5-50 MHz, or from 10 MHz to 40 MHz, or from 15 MHz to 30 MHz.

33. The apparatus according to any one of claims 30 to 32, wherein the amplitude modulation frequency is from 100 Hz to 99,000 Hz.

34. The apparatus according to any one of claims 30 to 33, wherein the digital frequency synthesizer further comprises a controller configured to control a frequency and a power associated with the one or more amplitude-modulated output signals.

35. The apparatus according to any one of claims 30 to 34, further comprising a directional coupler for providing, to the controller, power and absorption information relating to each of the one or more amplitude-modulated output signals.

36. The apparatus according to any one of claims 30 to 35, wherein the digital frequency synthesizer further comprises a phase-locked loop (PLL) frequency multiplier configured to set a system clock for one or more of the following: the digital carrier frequency synthesizer or the digital amplitude modulation frequency synthesizer.

37. The apparatus according to any one of claims 30 to 36, wherein the digital carrier frequency synthesizer is a direct digital synthesizer (DDS).

38. The apparatus according to any one of claims 30 to 36, wherein the digital modulation frequency synthesizer is a direct digital synthesizer (DDS).

39. The apparatus according to any one of claims 30 to 38, wherein the frequency synthesizer is configured to generate the one or more amplitude-modulated output signals, either sequentially or simultaneously.

40. The apparatus according to any one of claims 30 to 39, wherein the conductive applicator is configured for insertion into an oral cavity of the subject undergoing treatment.

41. The apparatus according to any one of claims 30 to 40, wherein the amplitude modulation frequencies are determined or predetermined by a bio-feedback process involving observations or measurements of physiological reactions by the subject during a time that

cellular functions of the subject are excited by exposing the subject to emission of a modulated output signal.