

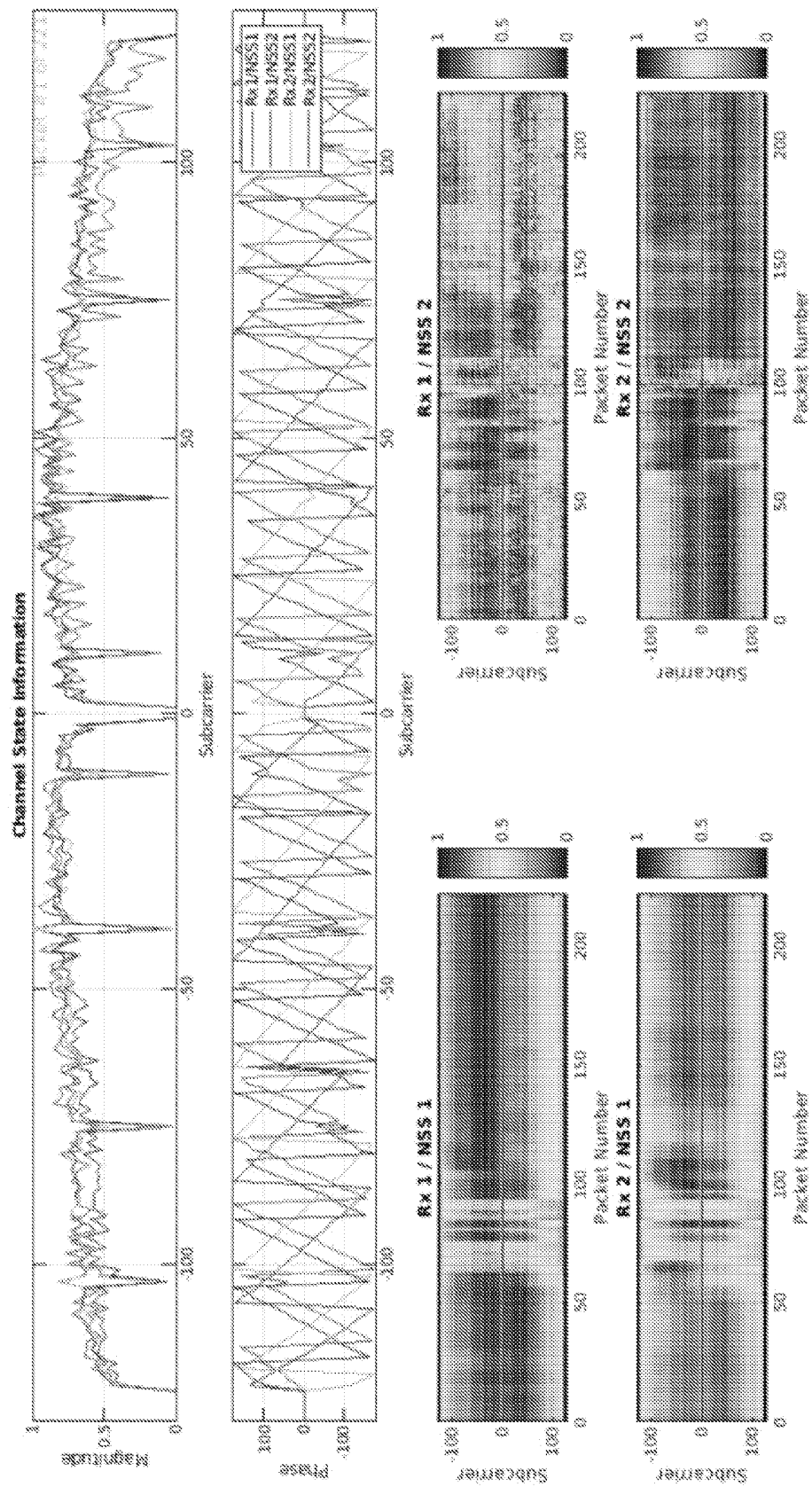


Figure 1

100

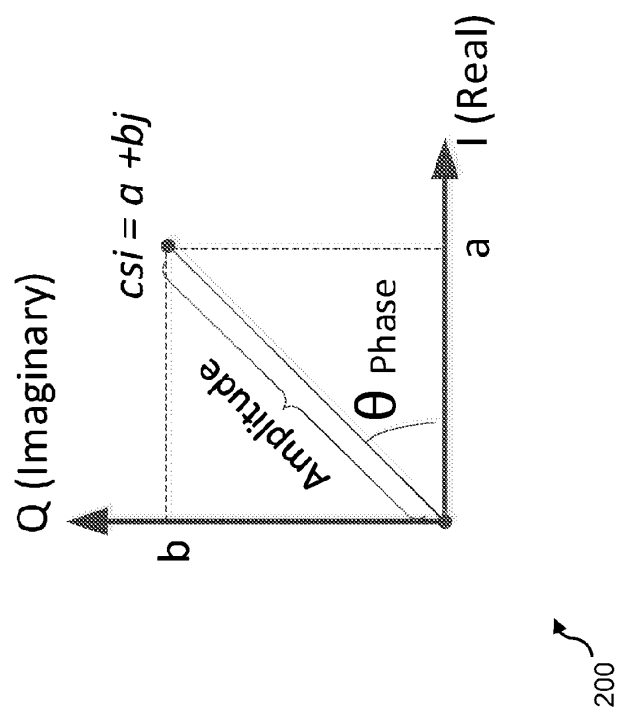


Figure 2

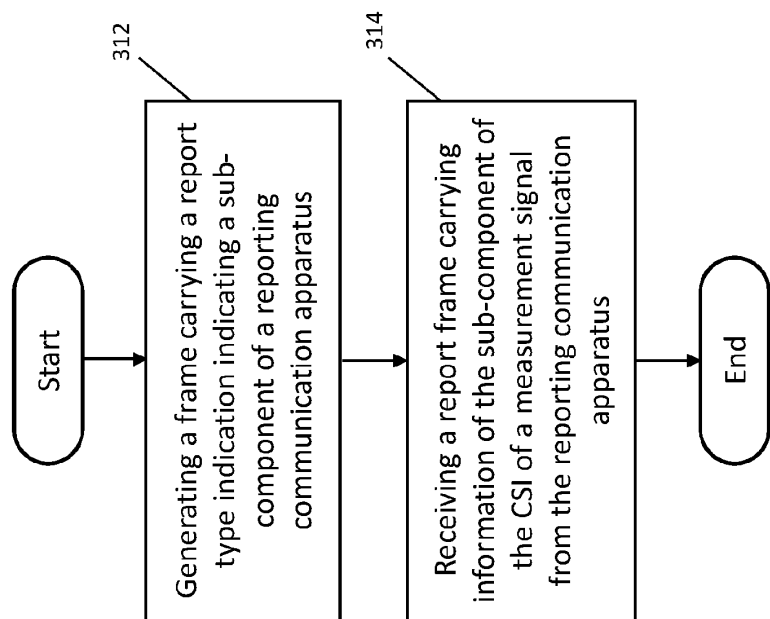


Figure 3B

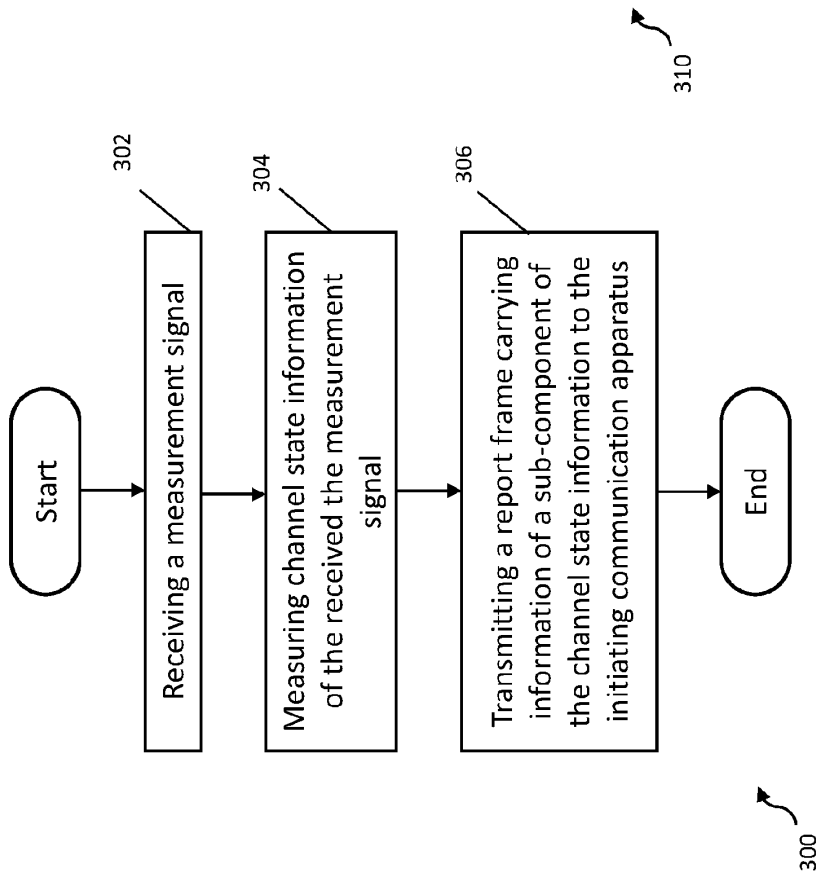


Figure 3A

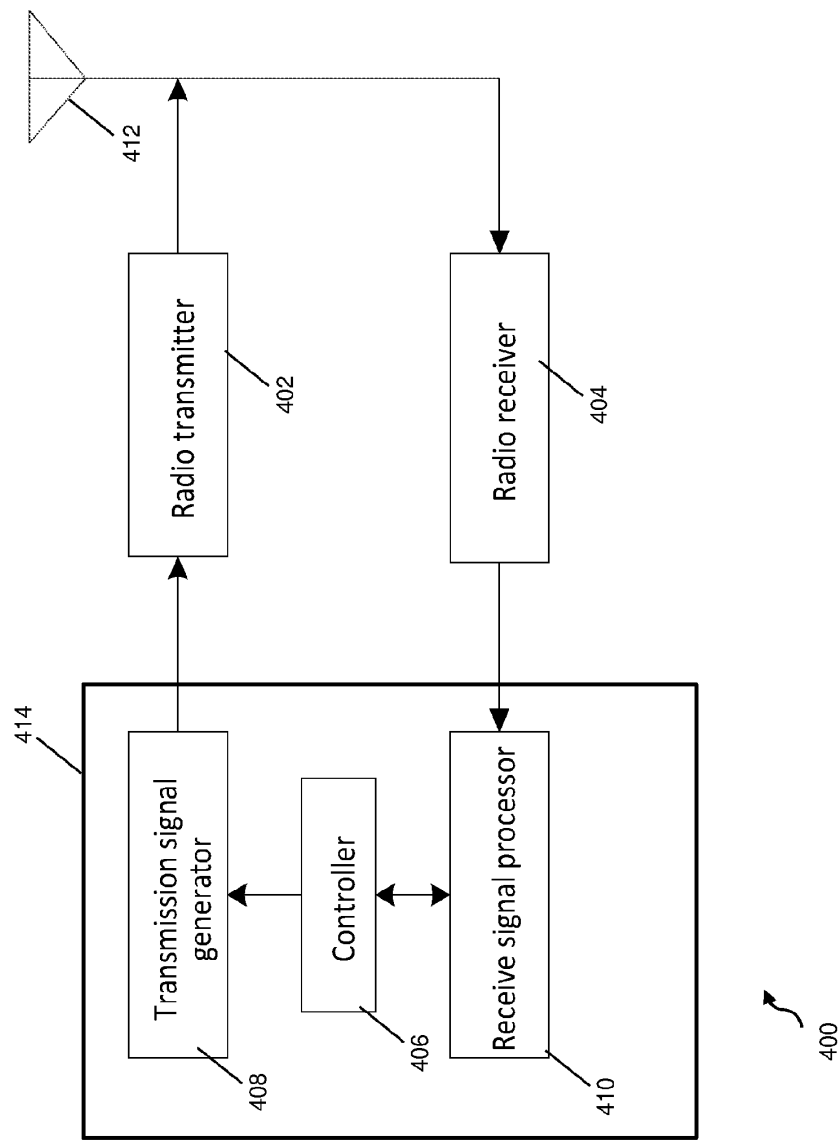


Figure 4

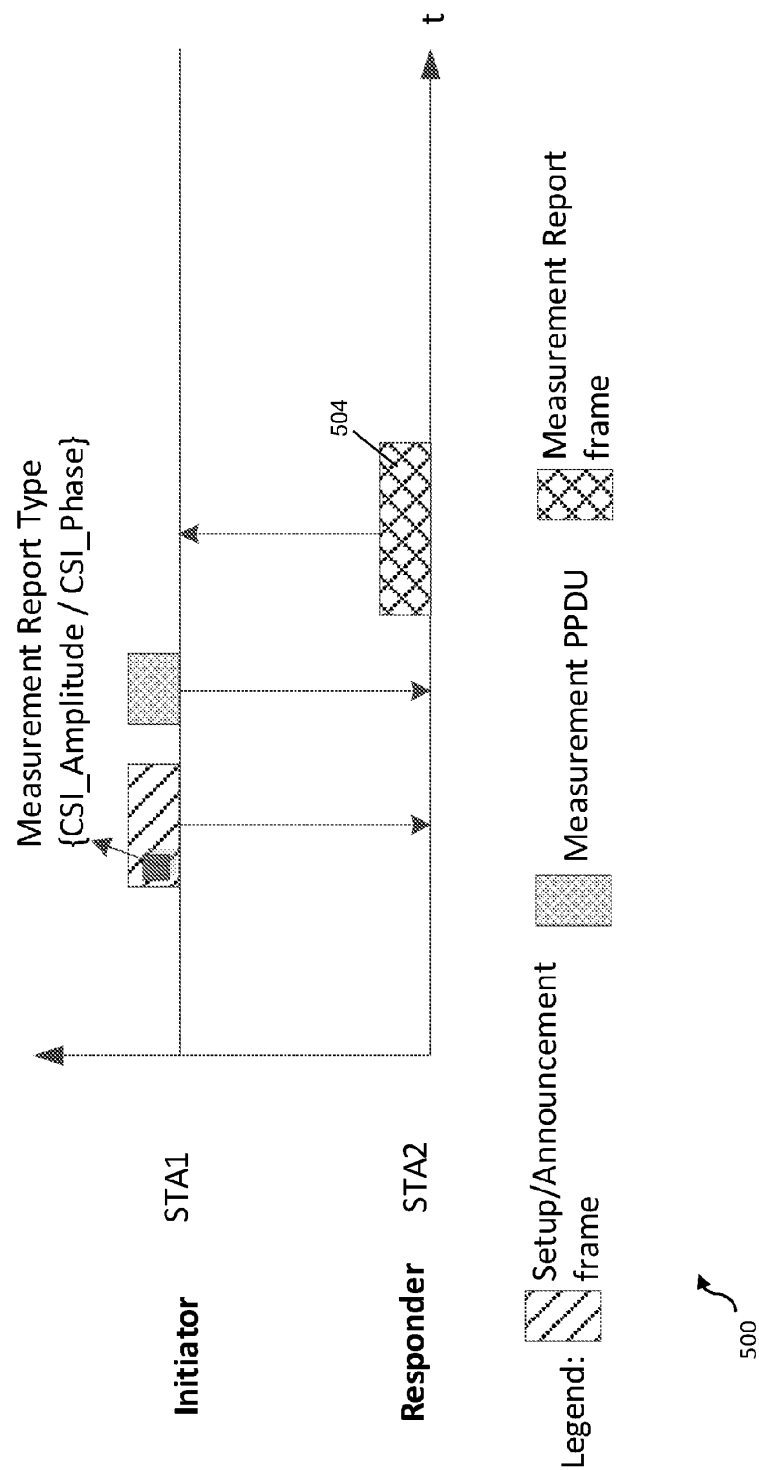


Figure 5

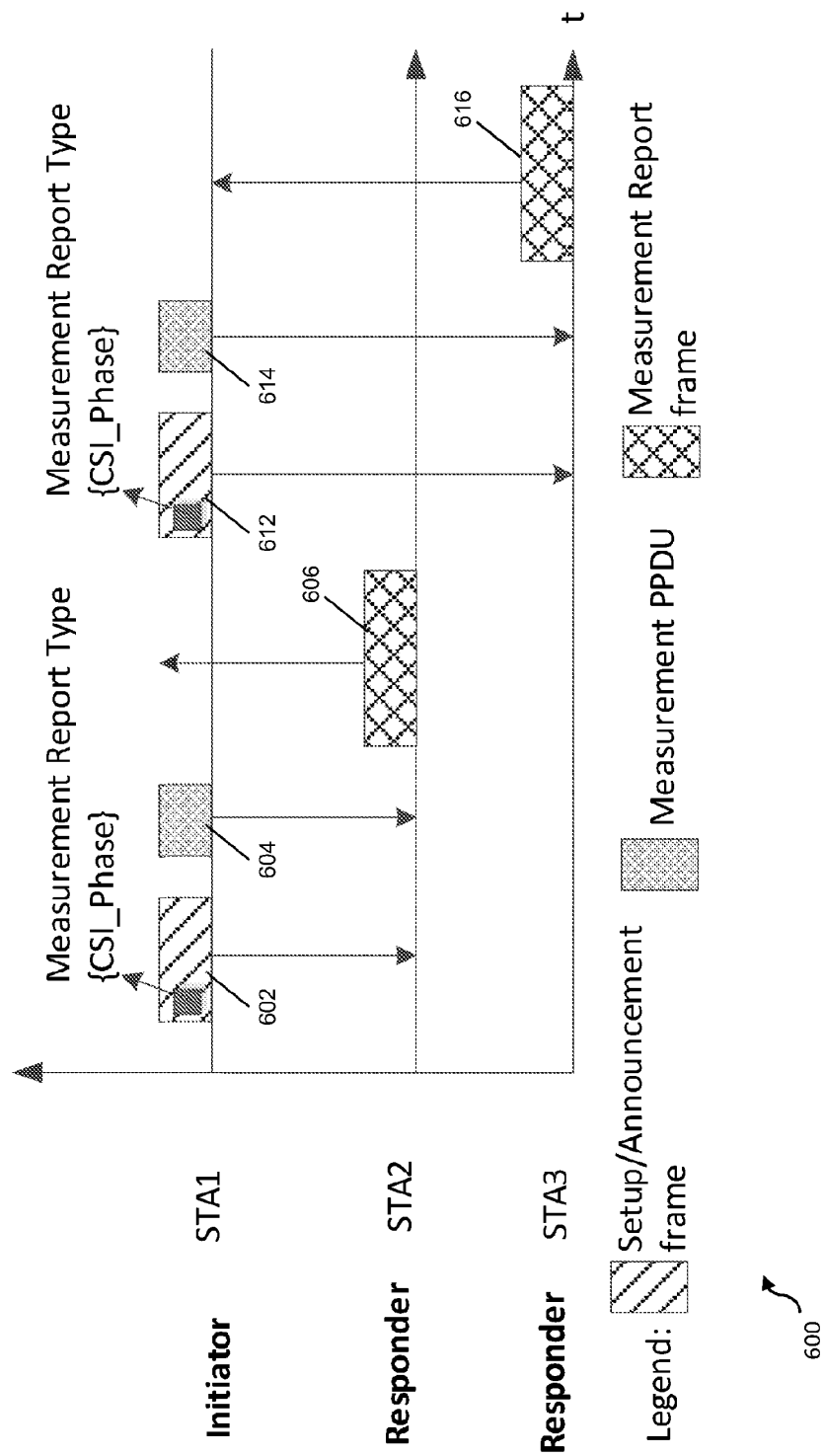


Figure 6

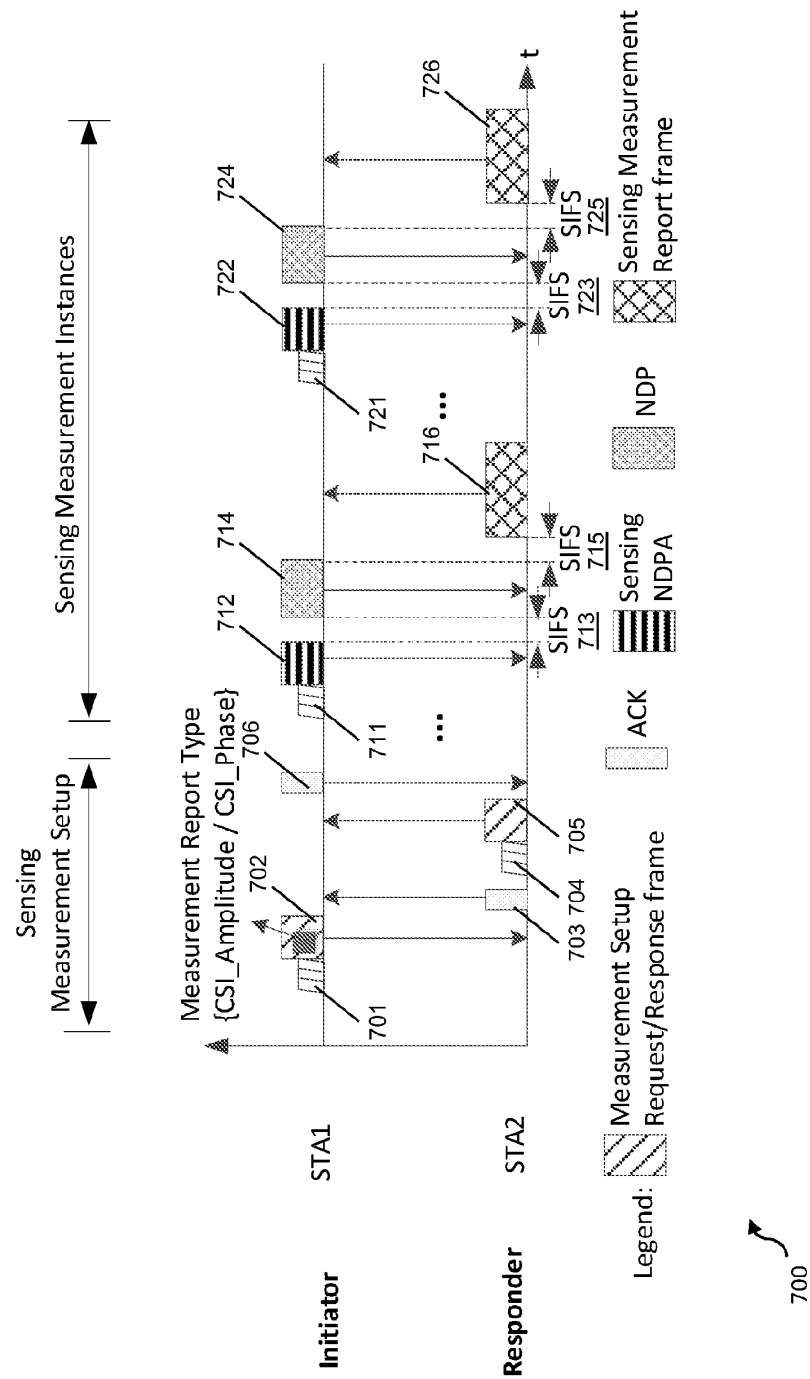


Figure 7

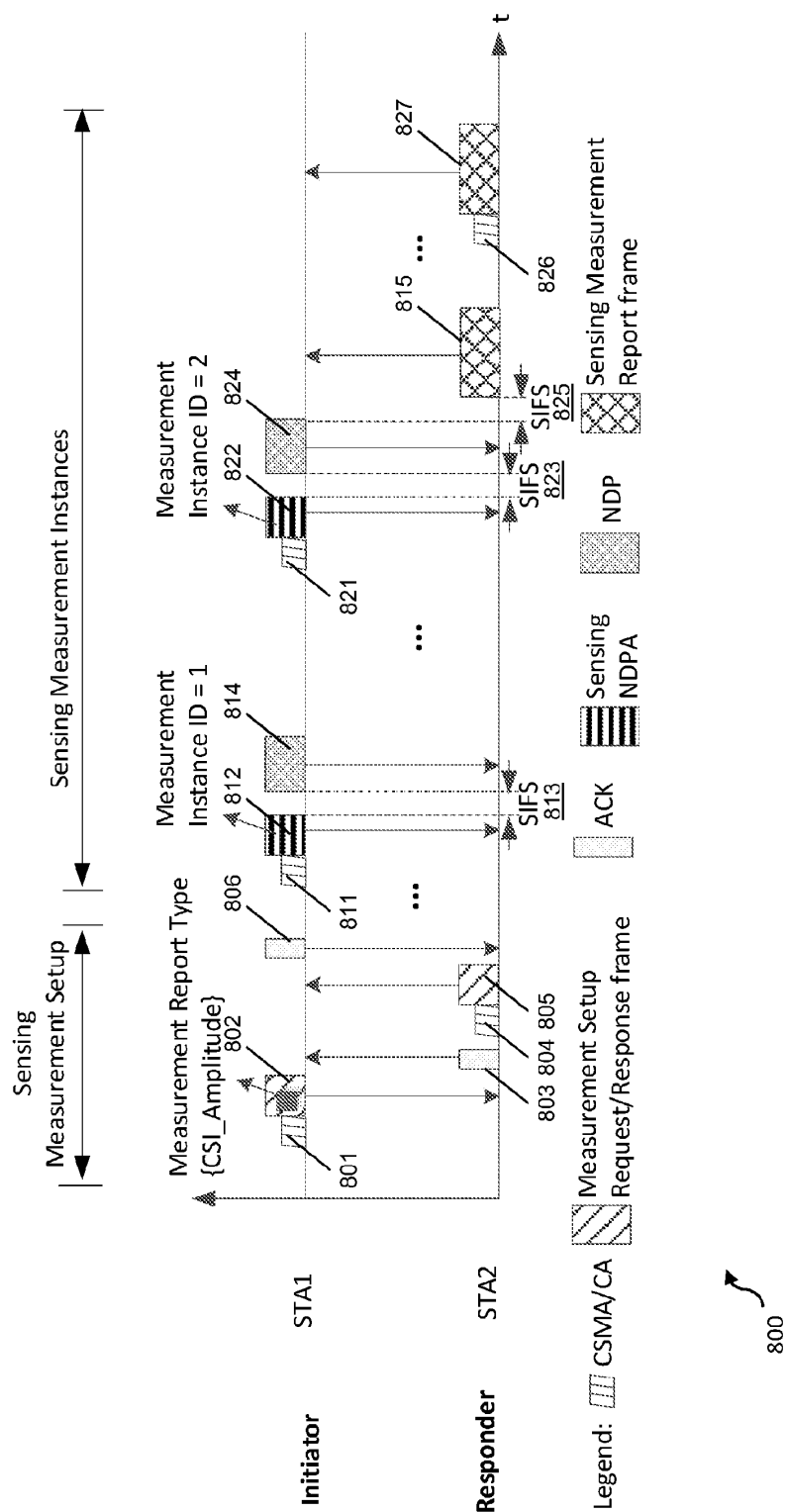
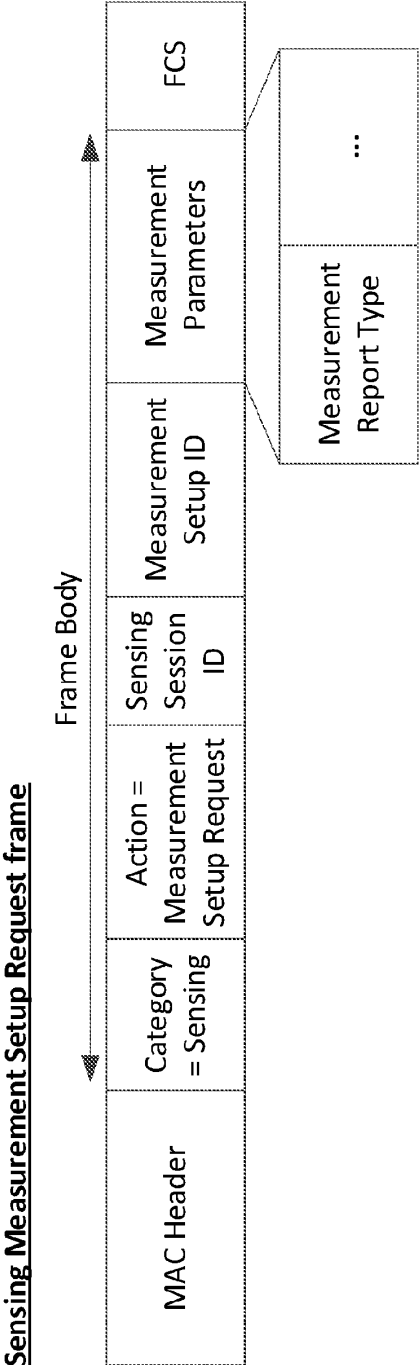
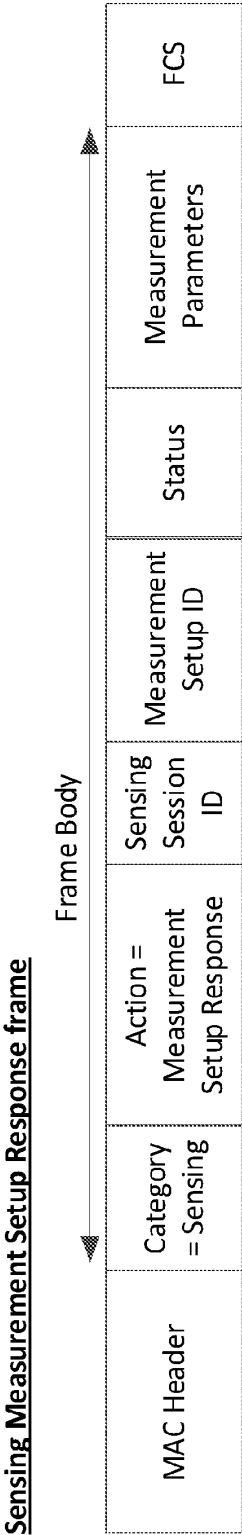


Figure 8



900

Figure 9



1000

Figure 10

For each reported subcarrier k include

{

Carrier Matrix Amplitude of 3 bits ($M_{\#}(k)$)

For each of N_r rows in each Amplitude matrix in order: (1, ..., N_r)

{

Include N_c amplitude values computed from the real and imaginary parts of the corresponding entry of the CSI matrix H_{eff} ; each amplitude value using N_b bits.

}

}

1100

Figure 11

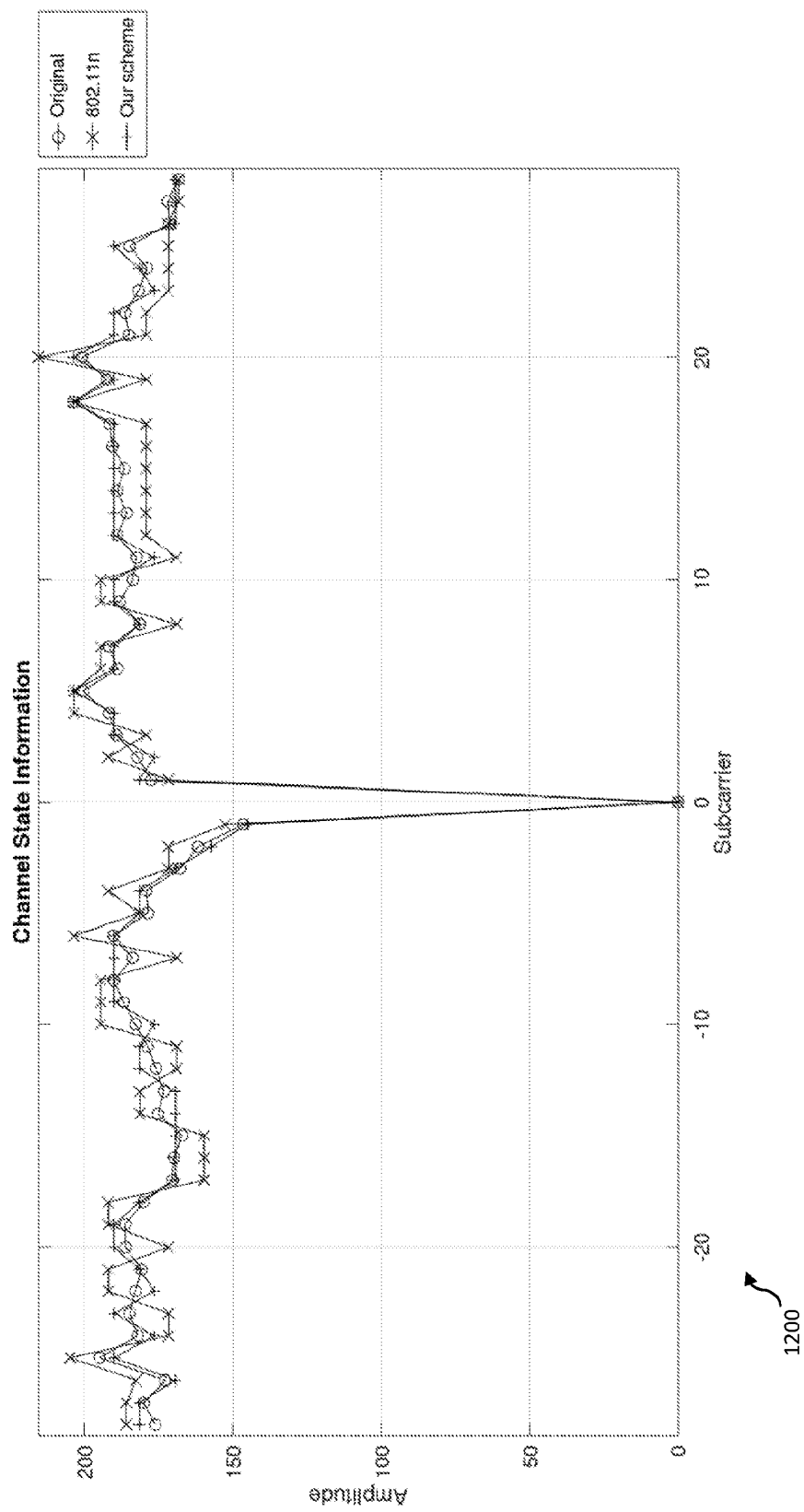


Figure 12

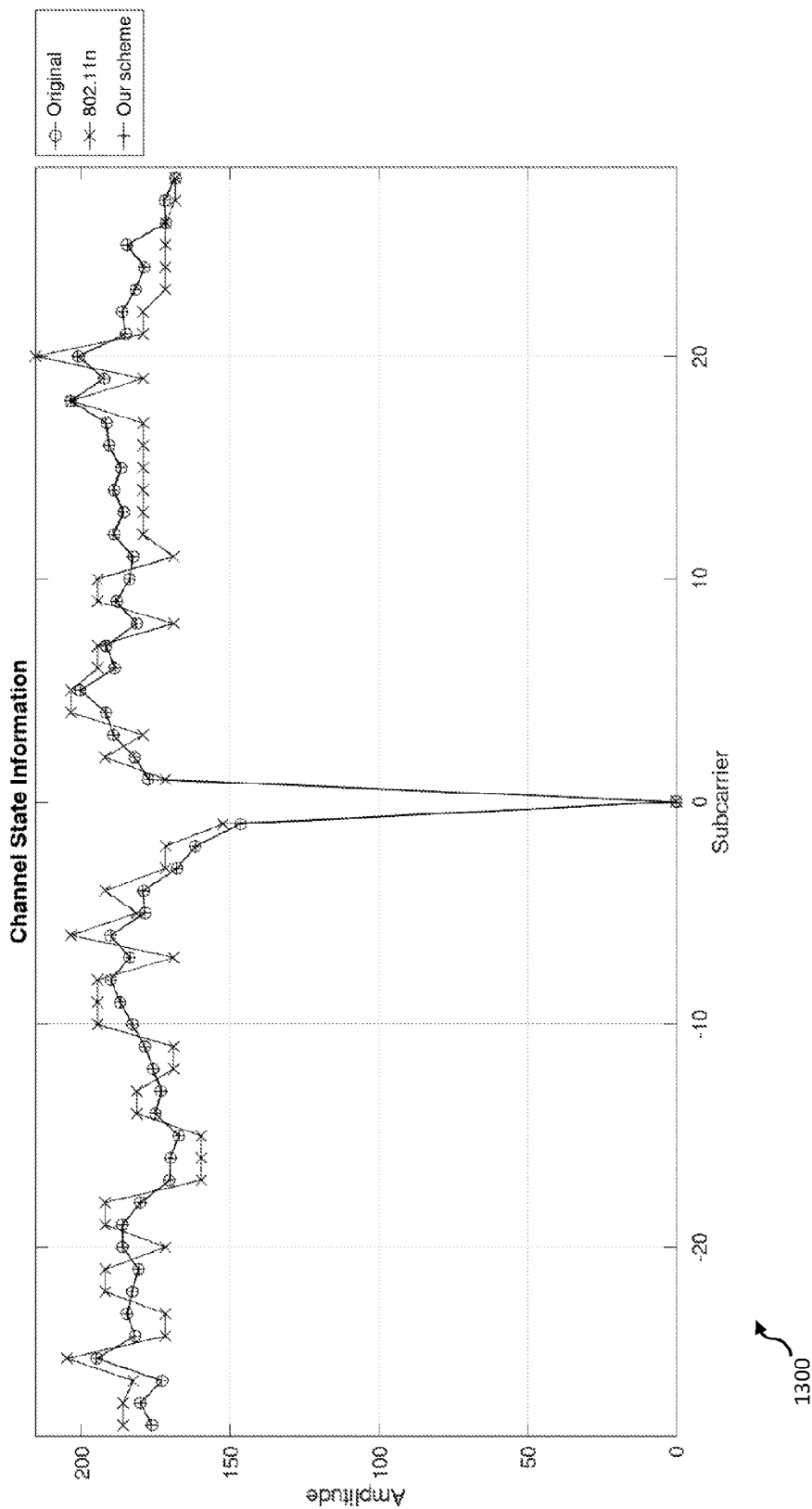
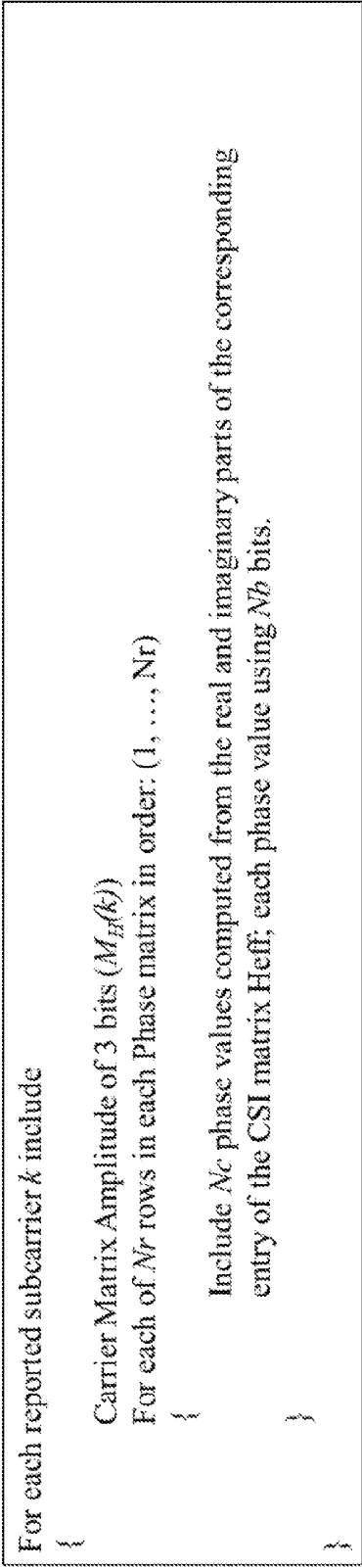
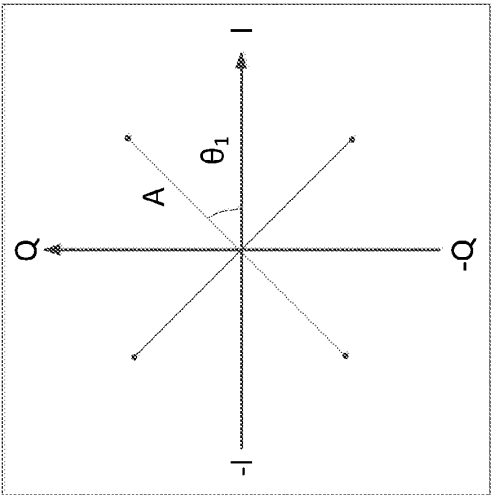


Figure 13



1400

Figure 14



1500

Figure 15

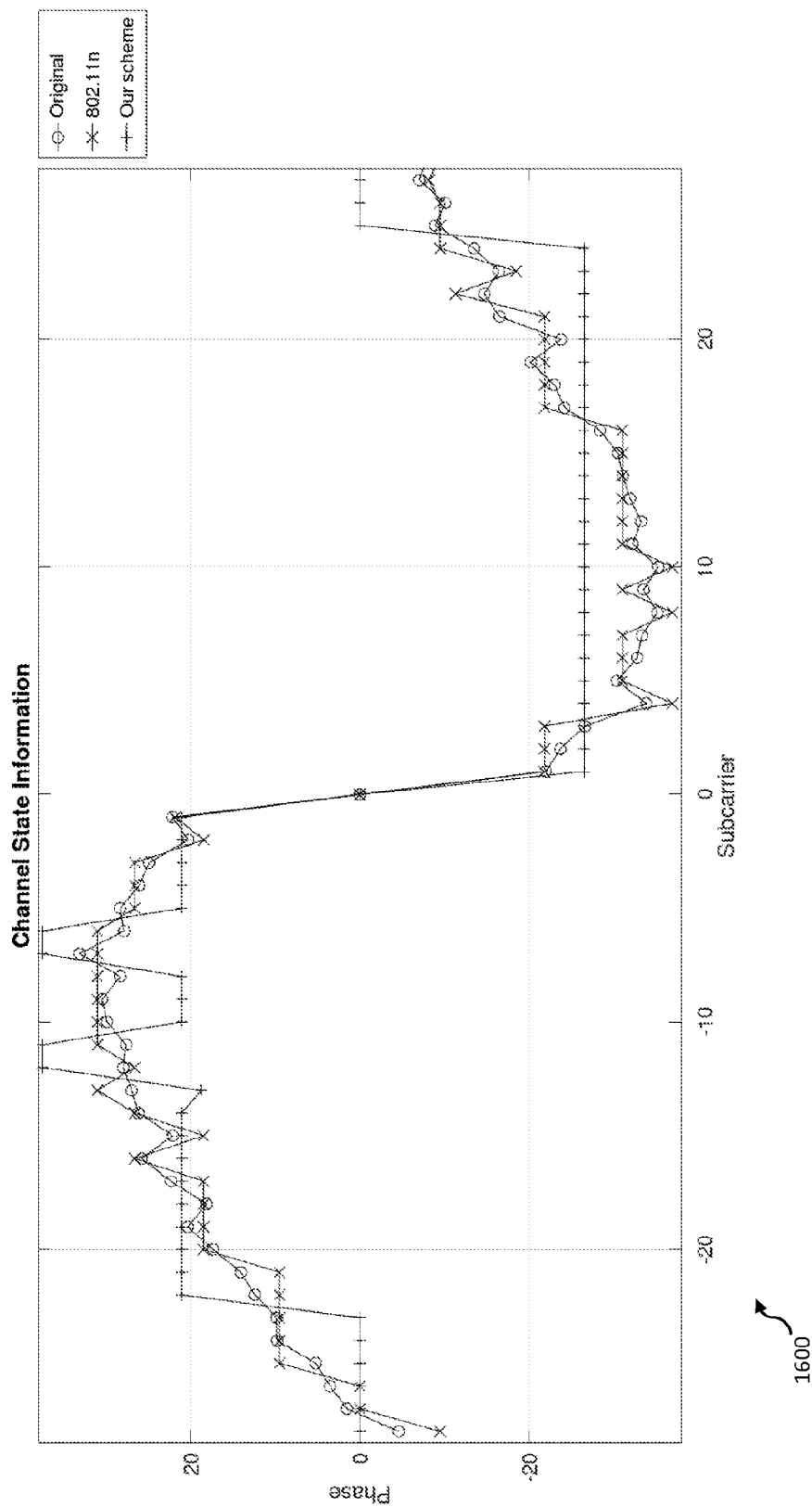


Figure 16

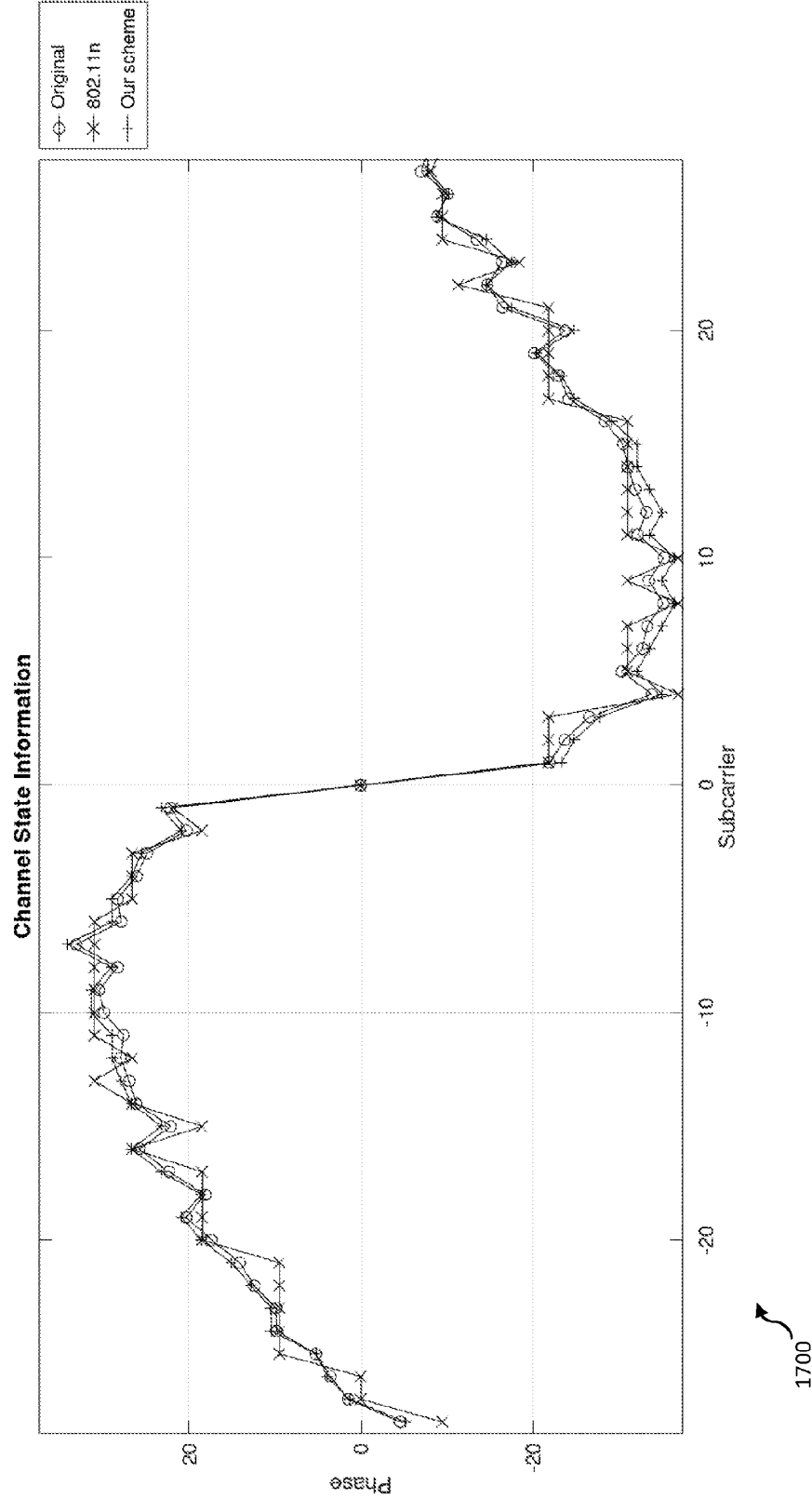


Figure 17

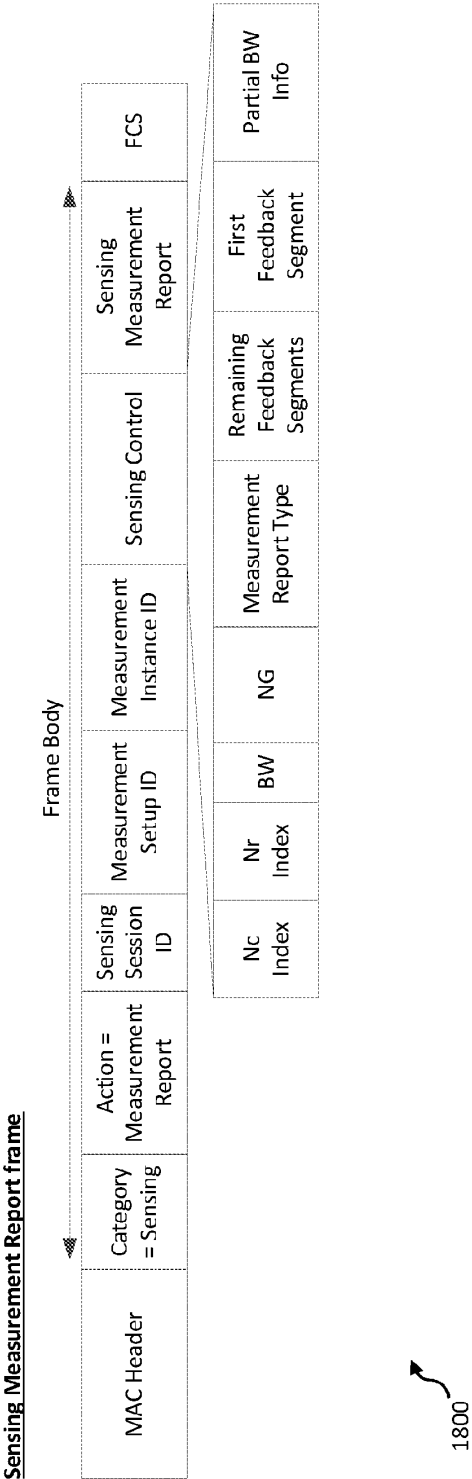


Figure 18

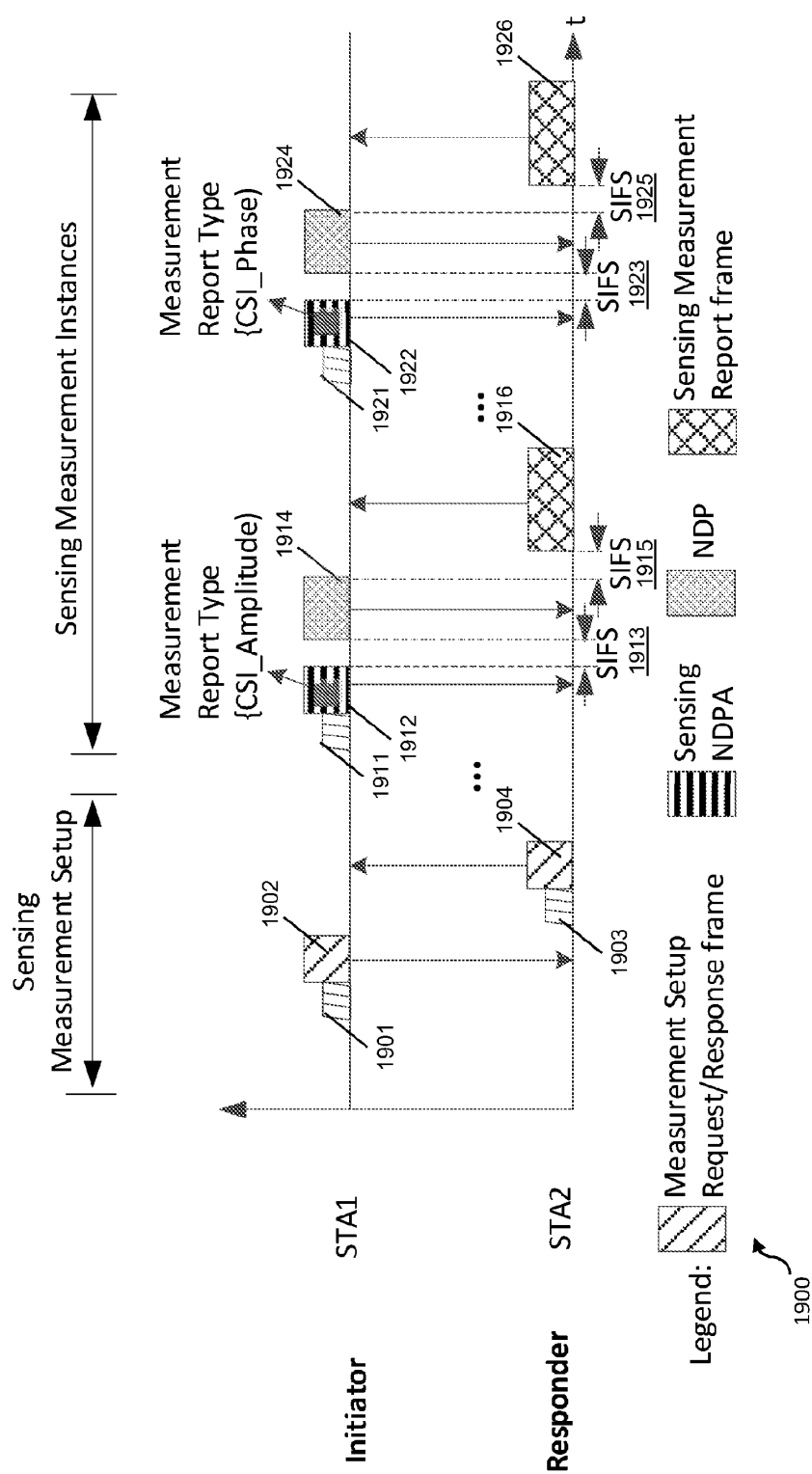


Figure 19

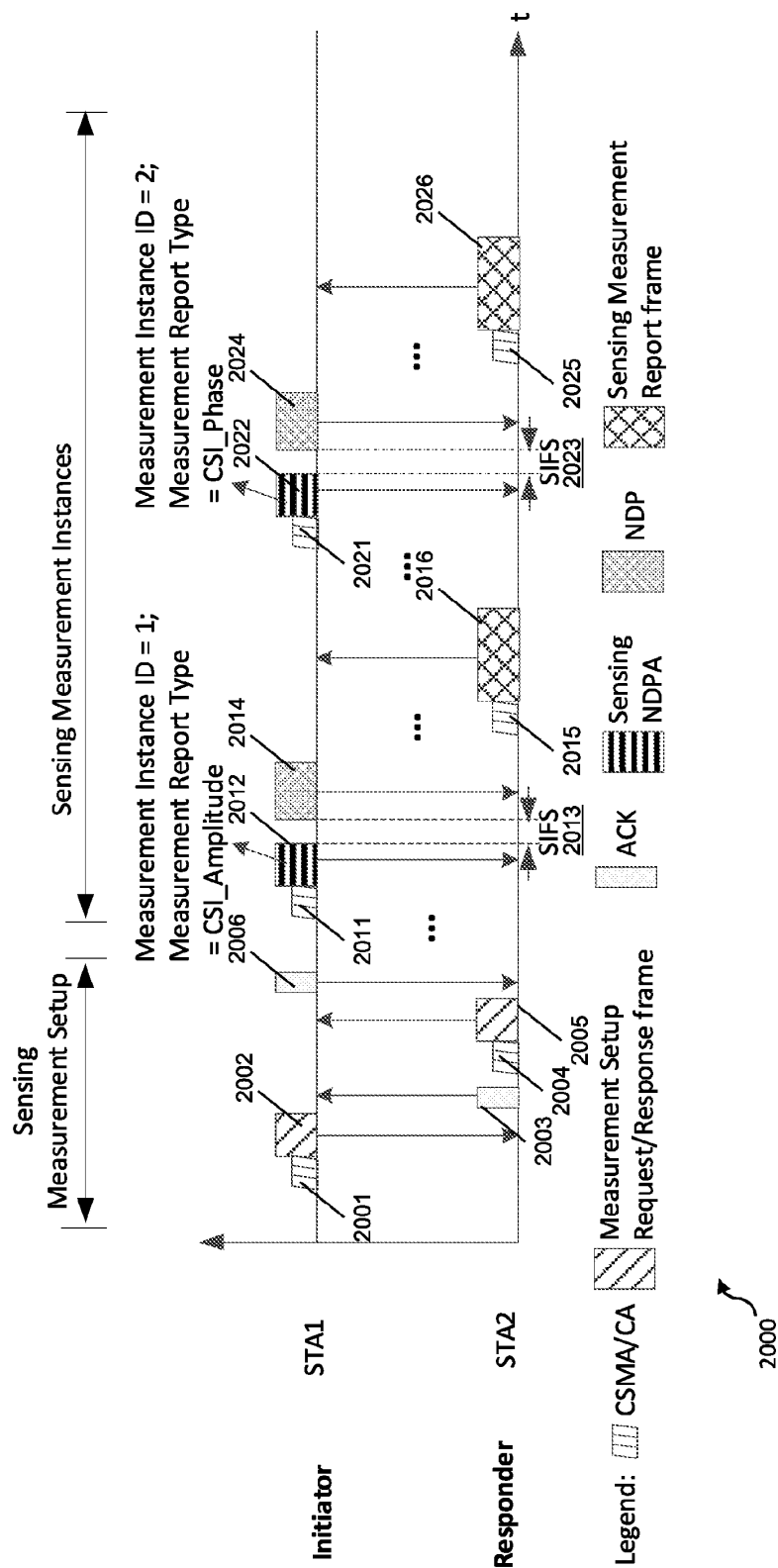


Figure 20

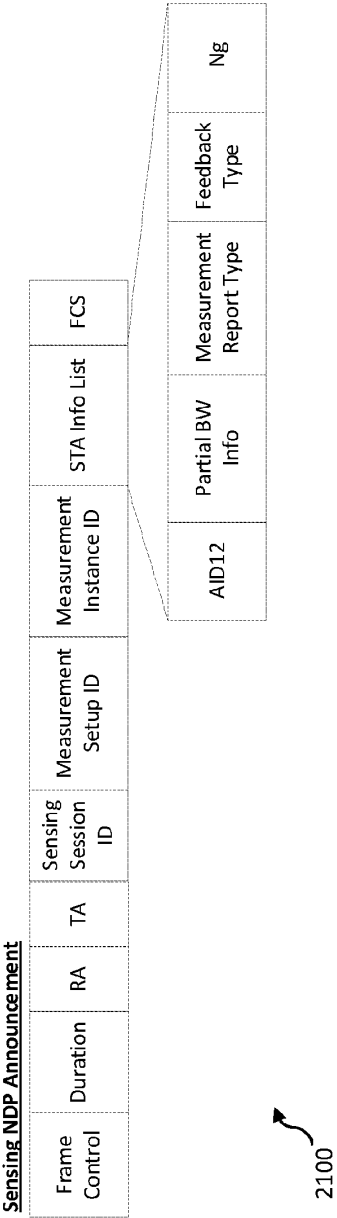


Figure 21

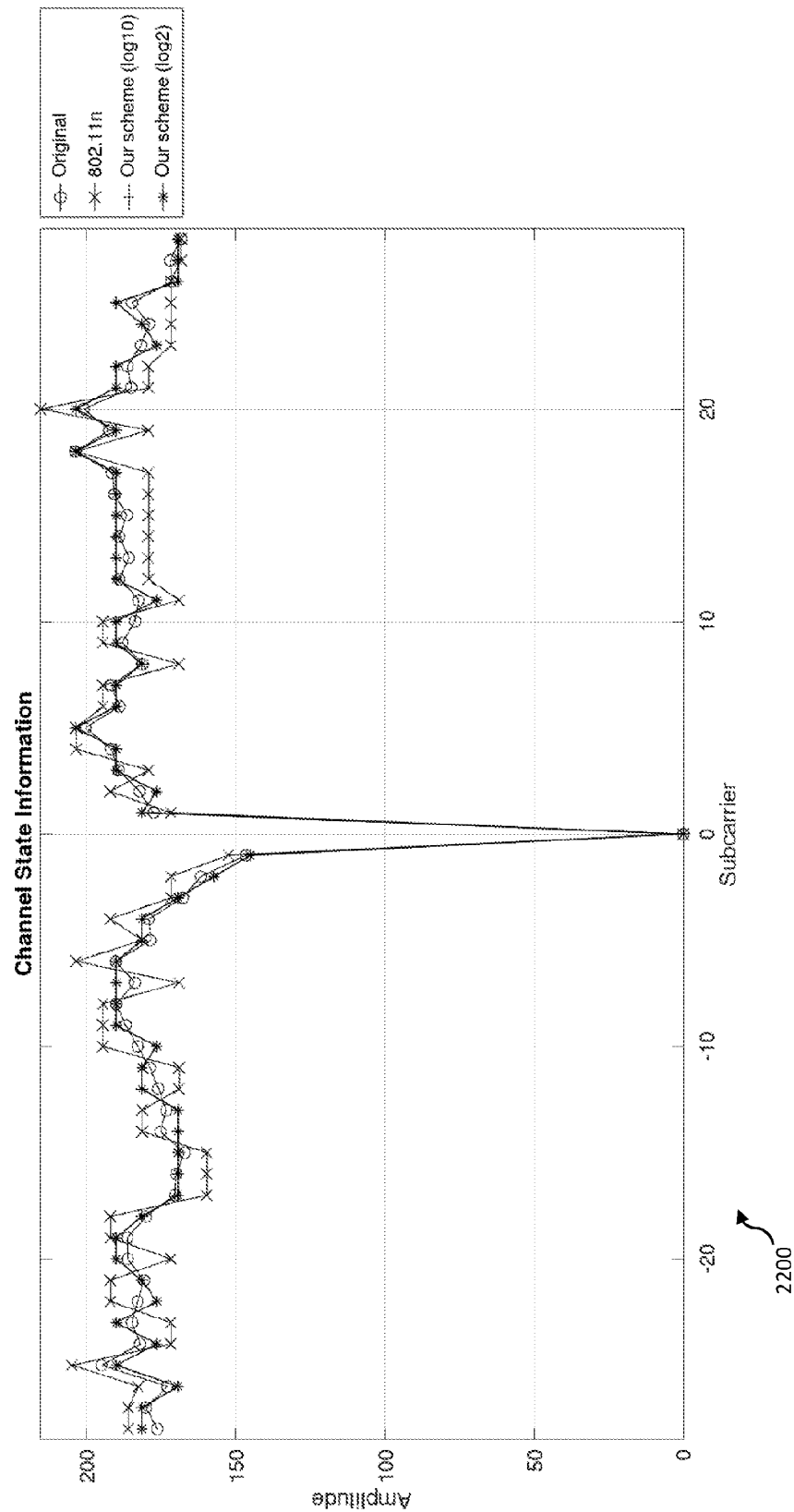


Figure 22

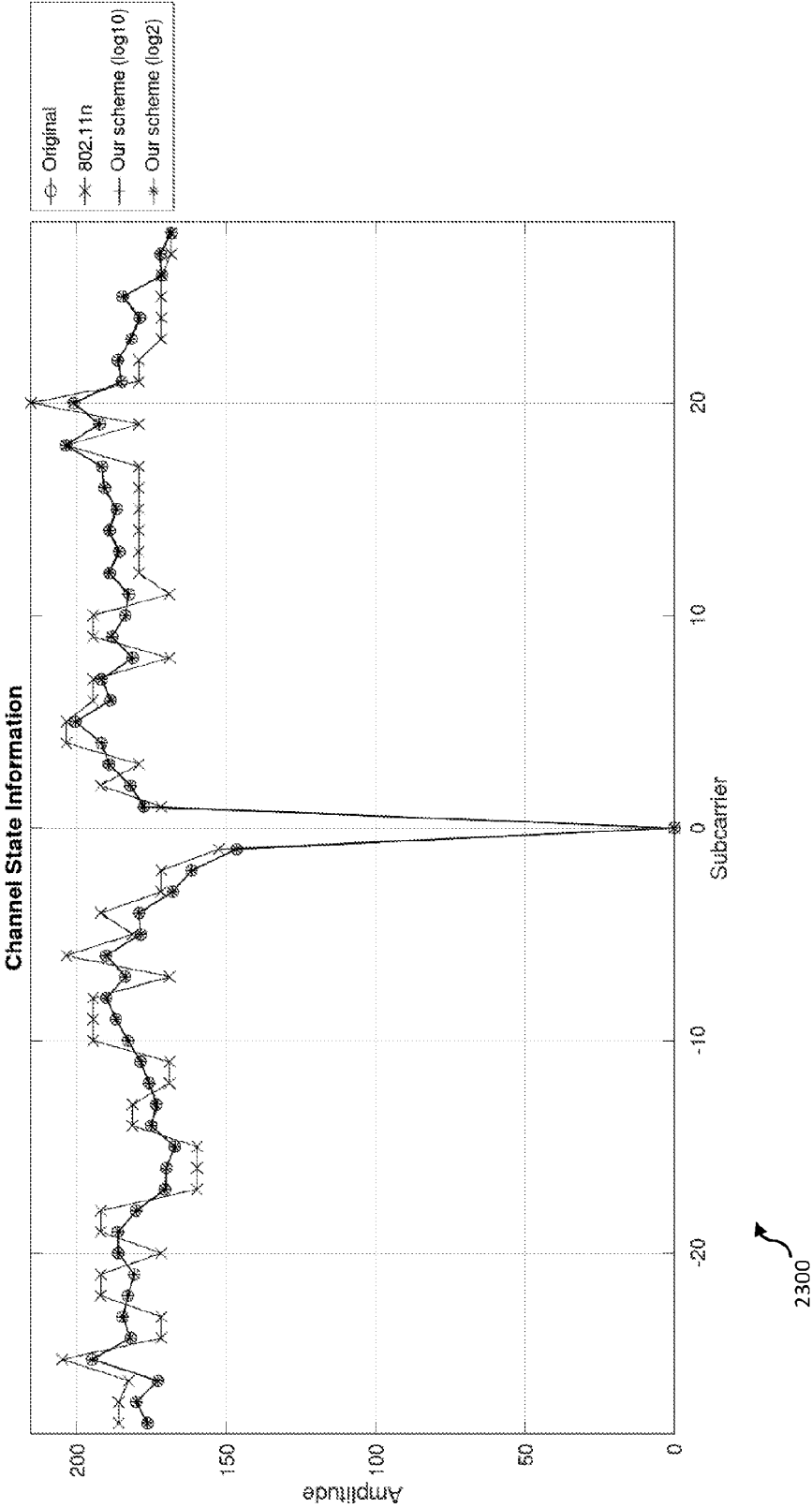
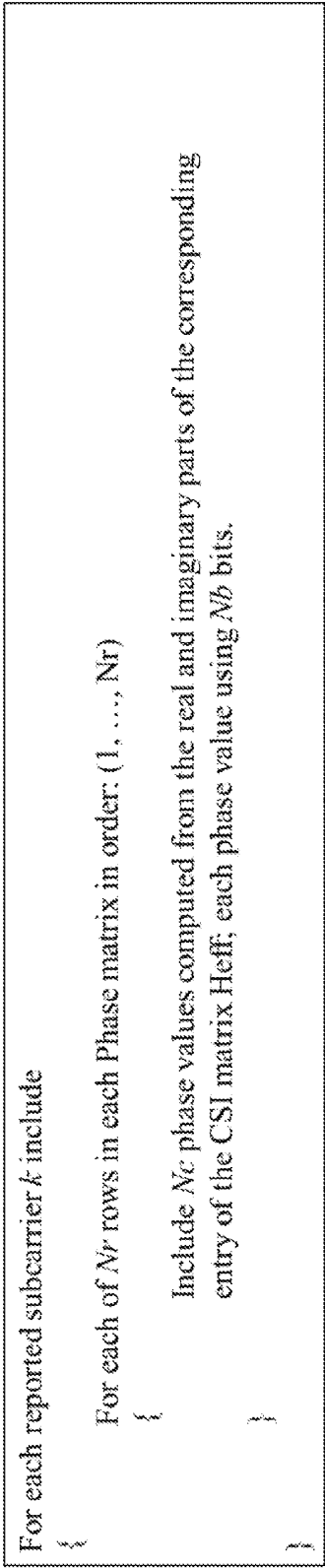


Figure 23



2400

Figure 24

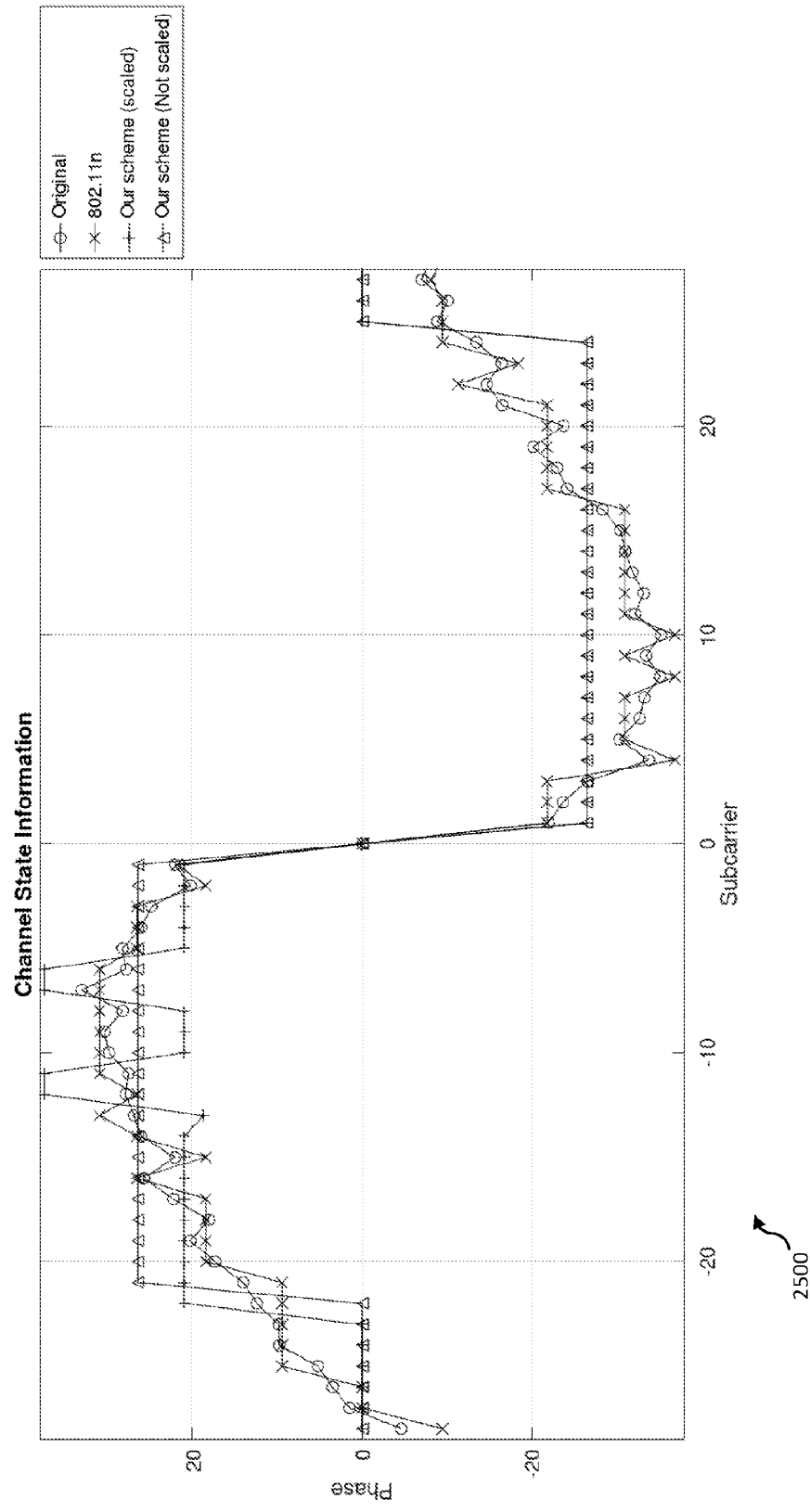


Figure 25

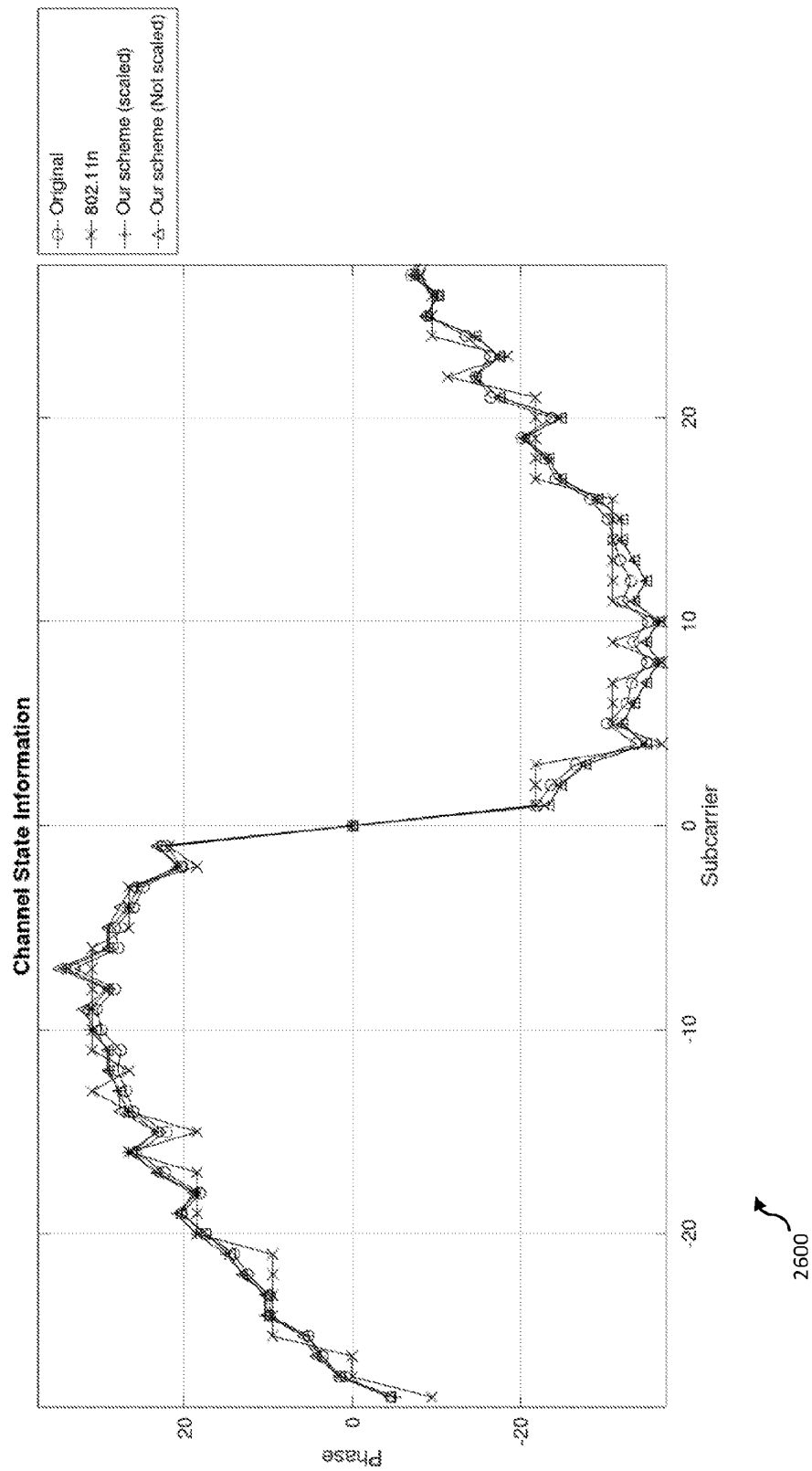


Figure 26

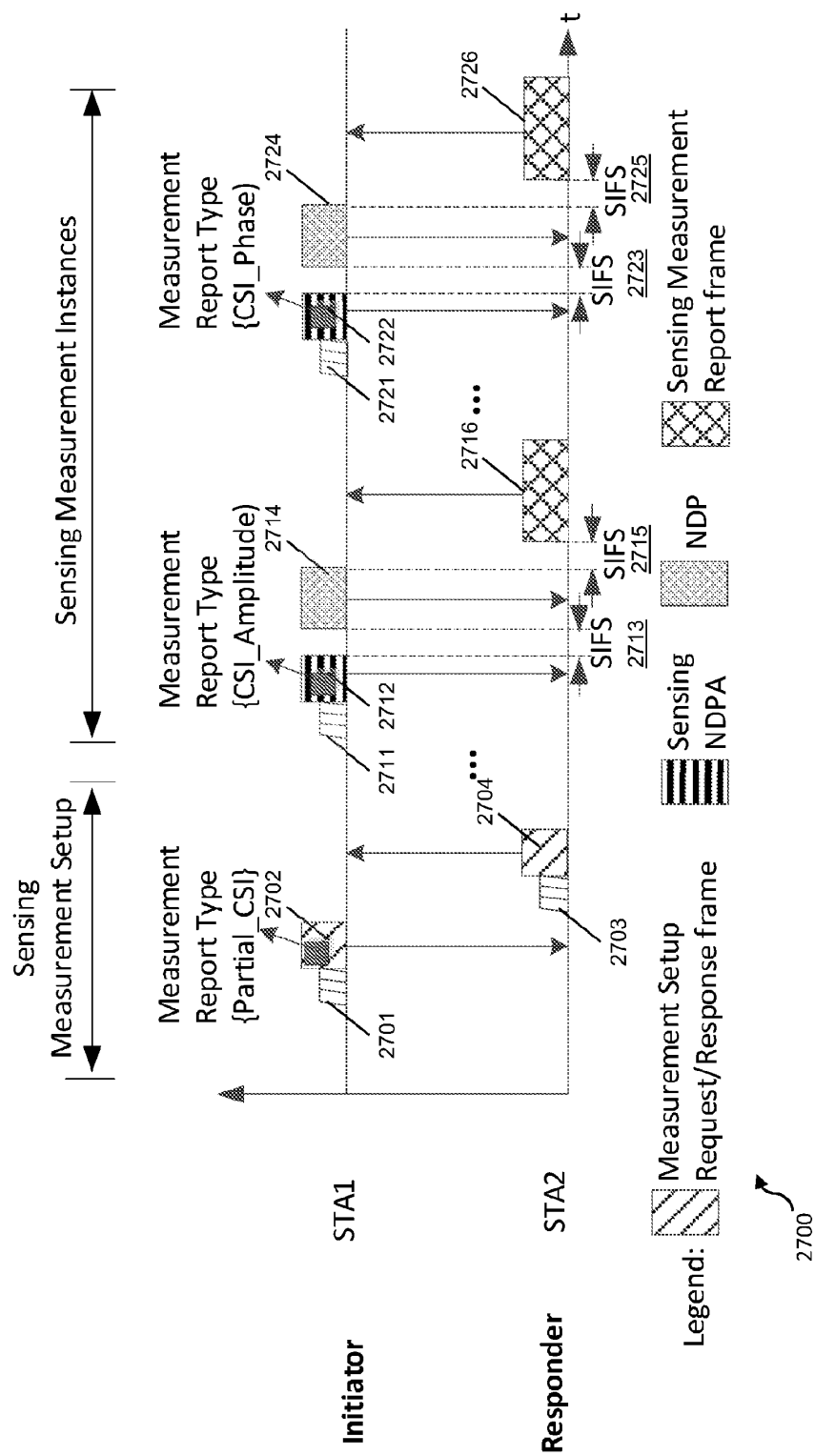


Figure 27

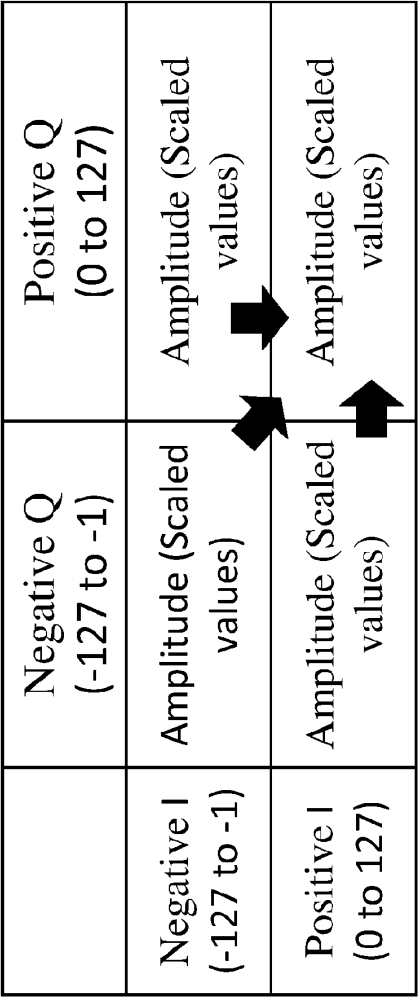


Figure 28A

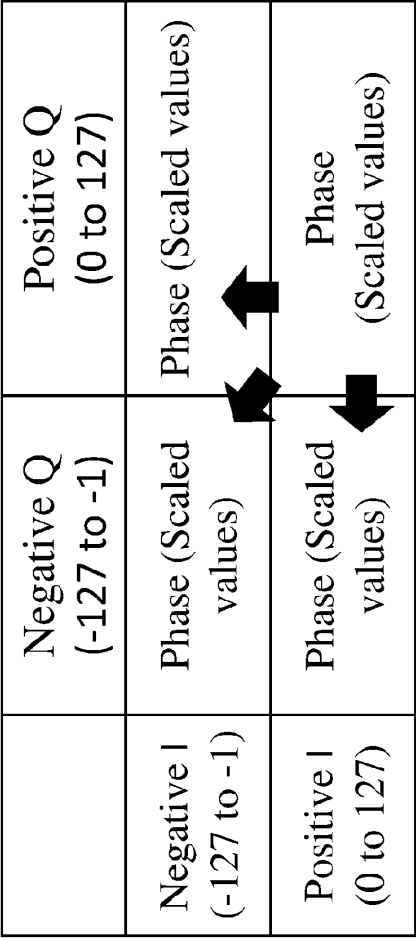


Figure 28B

		I							
		0	1	2	3	4	5	6	7
Q	0	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00
	1	1.00	1.41	2.24	3.16	4.12	5.10	6.08	7.07
	2	2.00	2.24	2.83	3.61	4.47	5.39	6.32	7.28
	3	3.00	3.16	3.61	4.24	5.00	5.83	6.71	7.62
	4	4.00	4.12	4.47	5.00	5.66	6.40	7.21	8.06
	5	5.00	5.10	5.39	5.83	6.40	7.07	7.81	8.60
	6	6.00	6.08	6.32	6.71	7.21	7.81	8.49	9.22
	7	7.00	7.07	7.28	7.62	8.06	8.60	9.22	9.90

2900

Figure 29

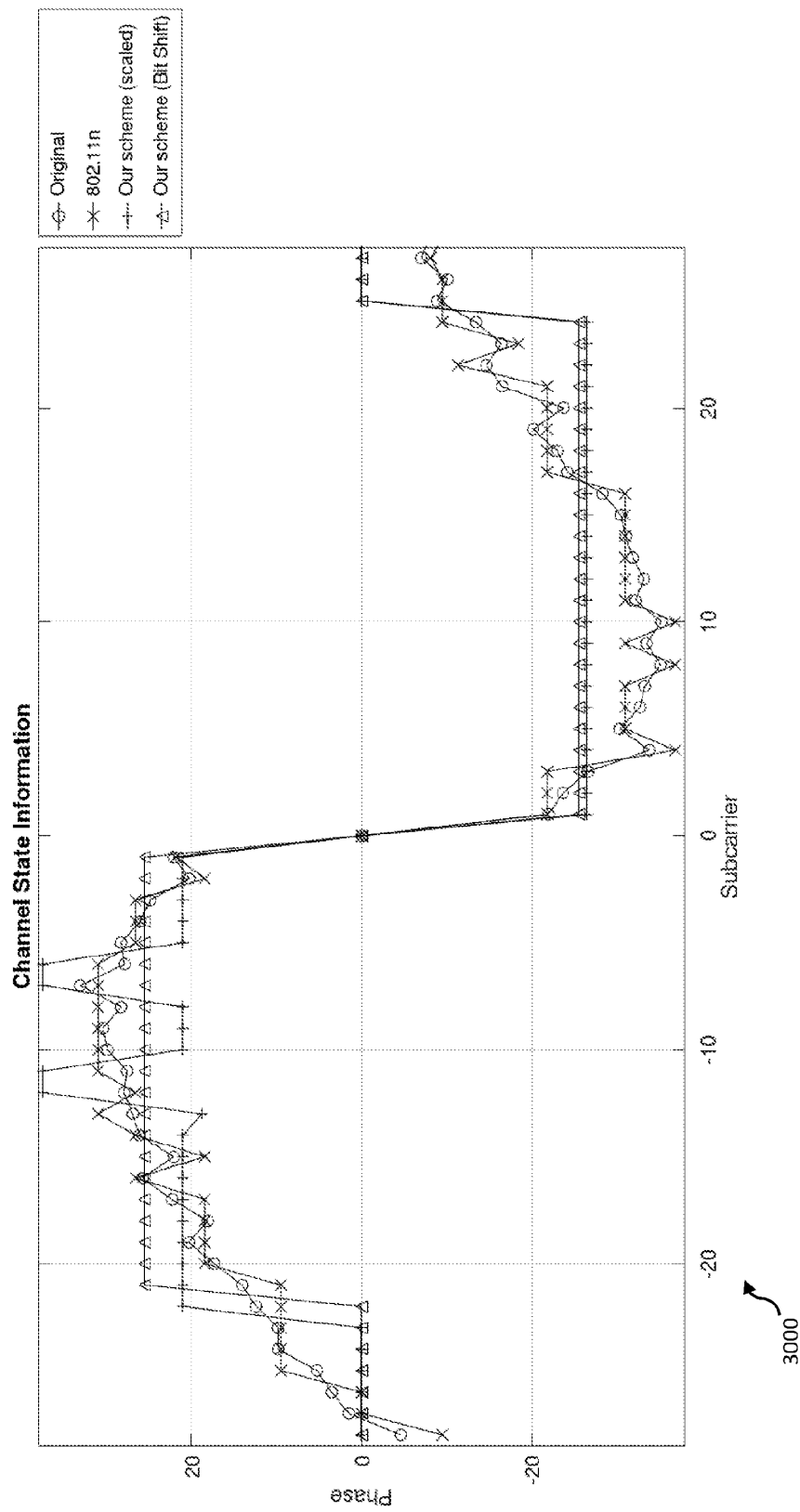


Figure 30

I								
	0	1	2	3	4	5	6	7
Q	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1	90.00	45.00	26.57	18.43	14.04	11.31	9.46
	2	90.00	63.43	45.00	33.69	26.57	21.80	18.43
	3	90.00	71.57	56.31	45.00	36.87	30.96	26.57
	4	90.00	75.96	63.43	53.13	45.00	38.66	33.69
	5	90.00	78.69	68.20	59.04	51.34	45.00	39.81
	6	90.00	80.54	71.57	63.43	56.31	50.19	45.00
	7	90.00	81.87	74.05	66.80	60.26	54.46	49.40

3100 ↗

Figure 31

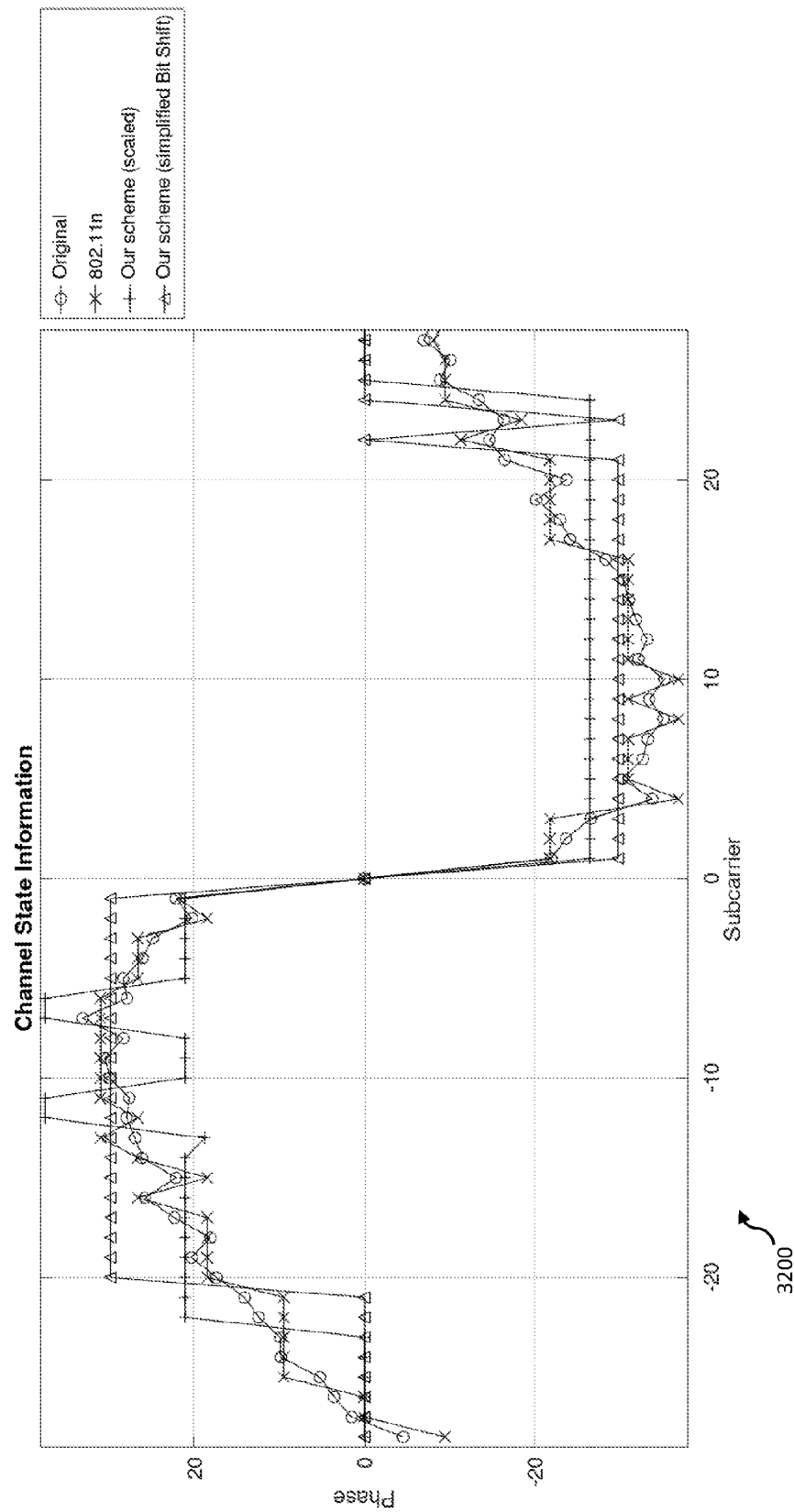
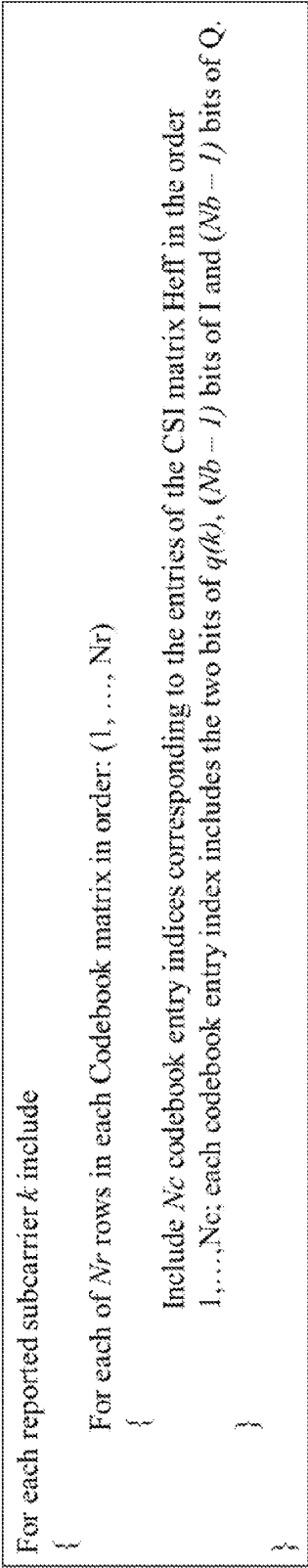


Figure 32

I									
	0	1	2	3	4	5	6	7	
Q	0	0.00, 0.00	1.00, 0.00	2.00, 0.00	3.00, 0.00	4.00, 0.00	5.00, 0.00	6.00, 0.00	7.00, 0.00
	1	1.00, 90.00	1.41, 45.00	2.24, 26.57	3.16, 18.43	4.12, 14.04	5.10, 11.31	6.08, 9.46	7.07, 8.13
	2	2.00, 90.00	2.24, 63.43	2.83, 45.00	3.61, 33.69	4.47, 26.57	5.39, 21.80	6.32, 18.43	7.28, 15.95
	3	3.00, 90.00	3.16, 71.57	3.61, 56.31	4.24, 45.00	5.00, 36.87	5.83, 30.96	6.71, 26.57	7.62, 23.20
	4	4.00, 90.00	4.12, 75.96	4.47, 63.43	5.00, 53.13	5.66, 45.00	6.40, 38.66	7.21, 33.69	8.06, 29.74
	5	5.00, 90.00	5.10, 78.69	5.39, 68.20	5.83, 59.04	6.40, 51.34	7.07, 45.00	7.81, 39.81	8.60, 35.54
	6	6.00, 90.00	6.08, 80.54	6.32, 71.57	6.71, 63.43	7.21, 56.31	7.81, 50.19	8.49, 45.00	9.22, 40.60
	7	7.00, 90.00	7.07, 81.87	7.28, 74.05	7.62, 66.80	8.06, 60.26	8.60, 54.46	9.22, 49.40	9.90, 45.00

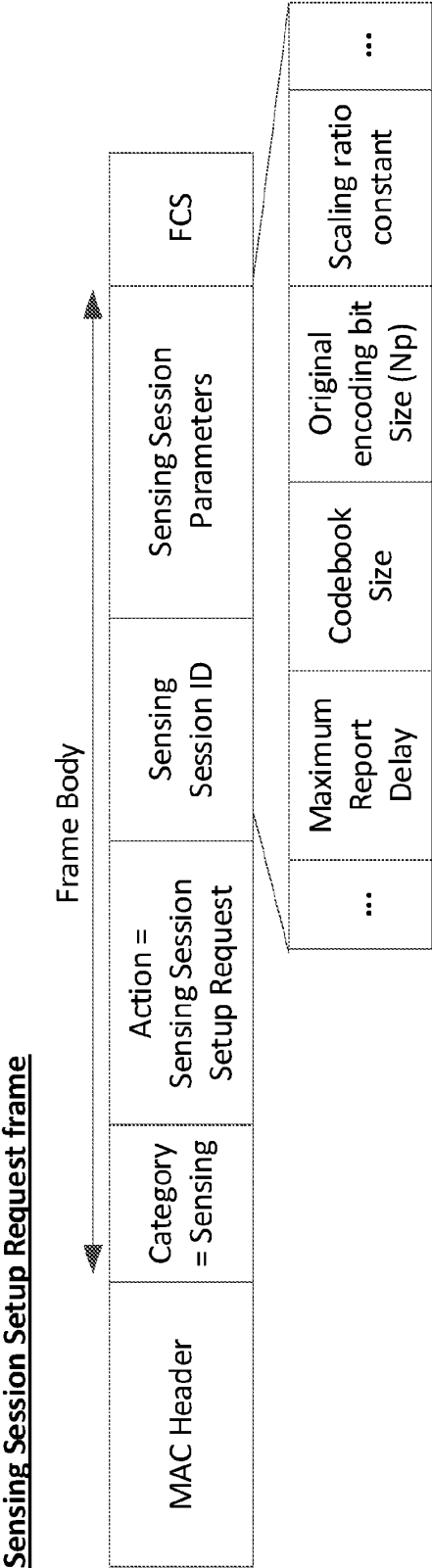
3300

Figure 33



3400

Figure 34



3500

Figure 35

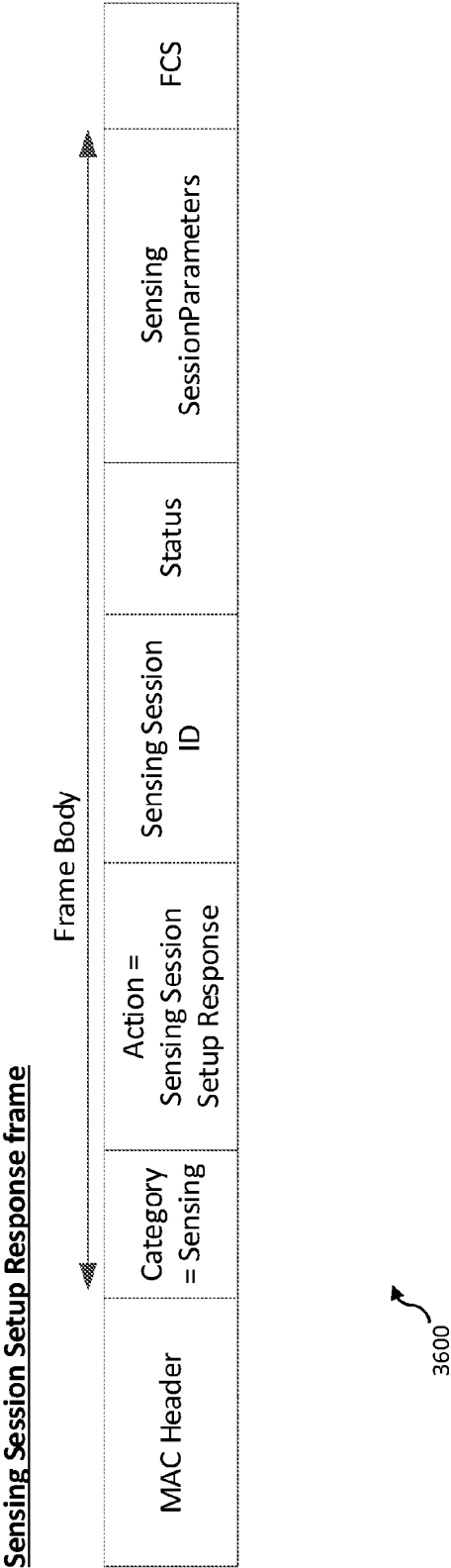
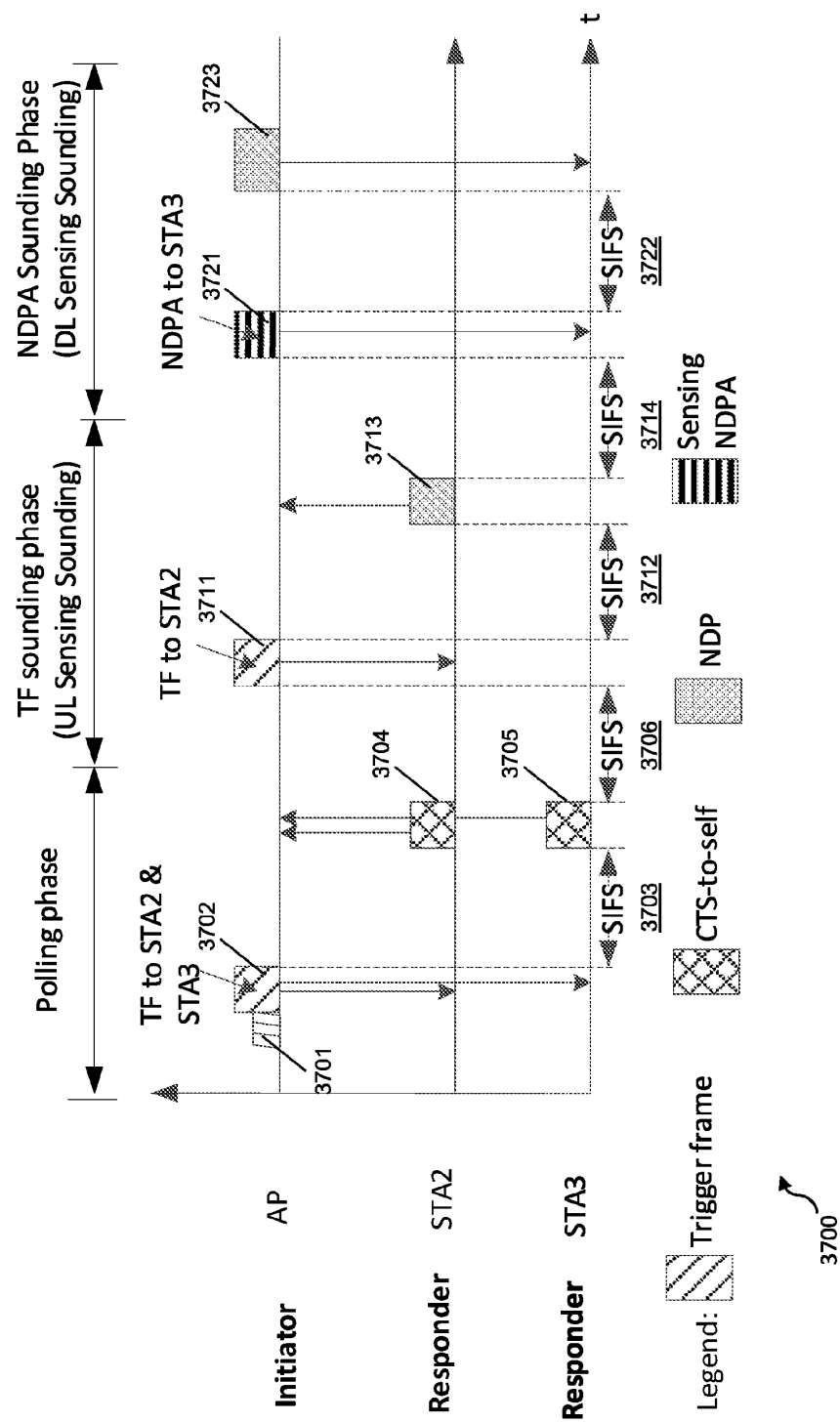


Figure 36



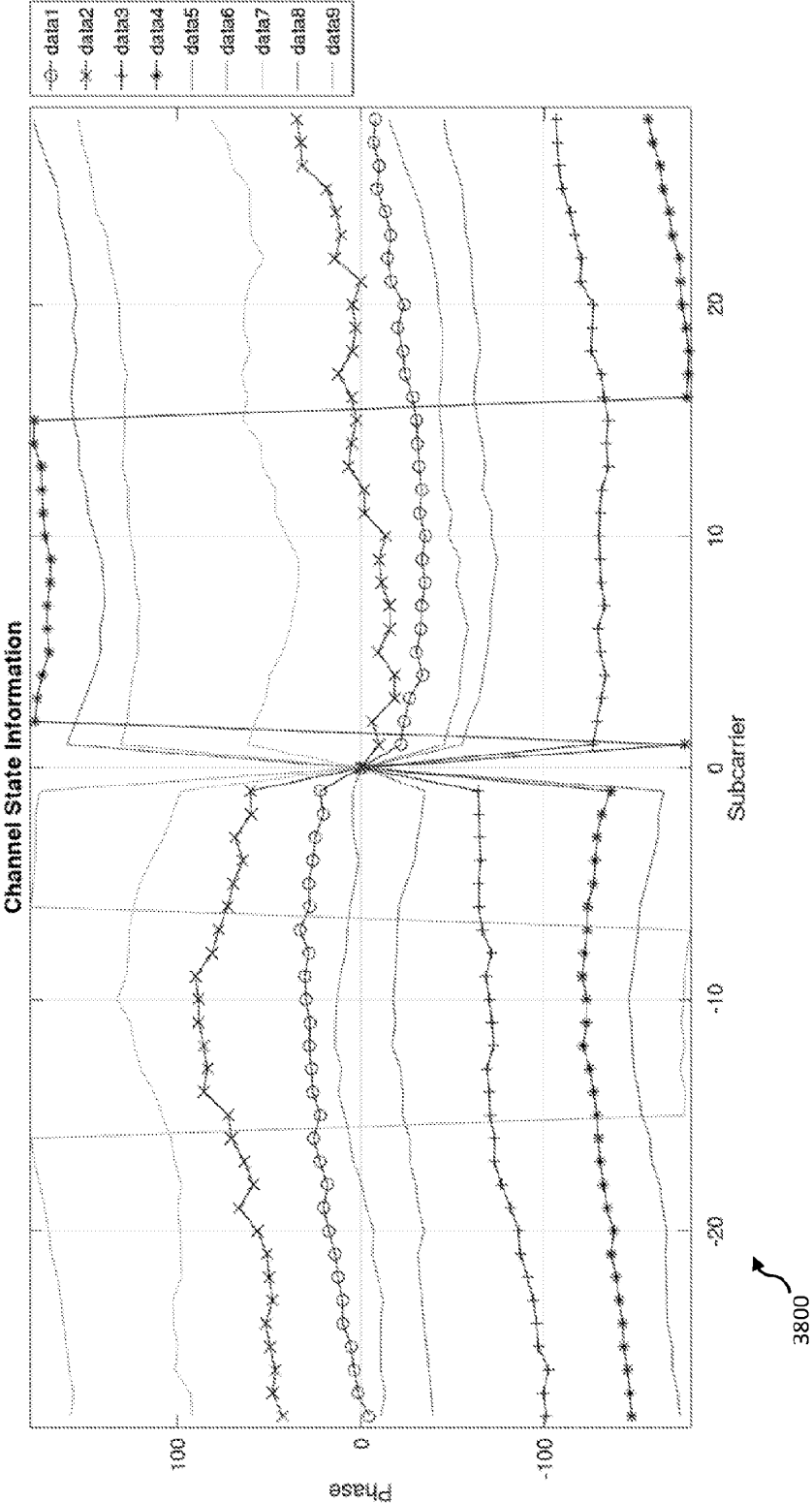


Figure 38

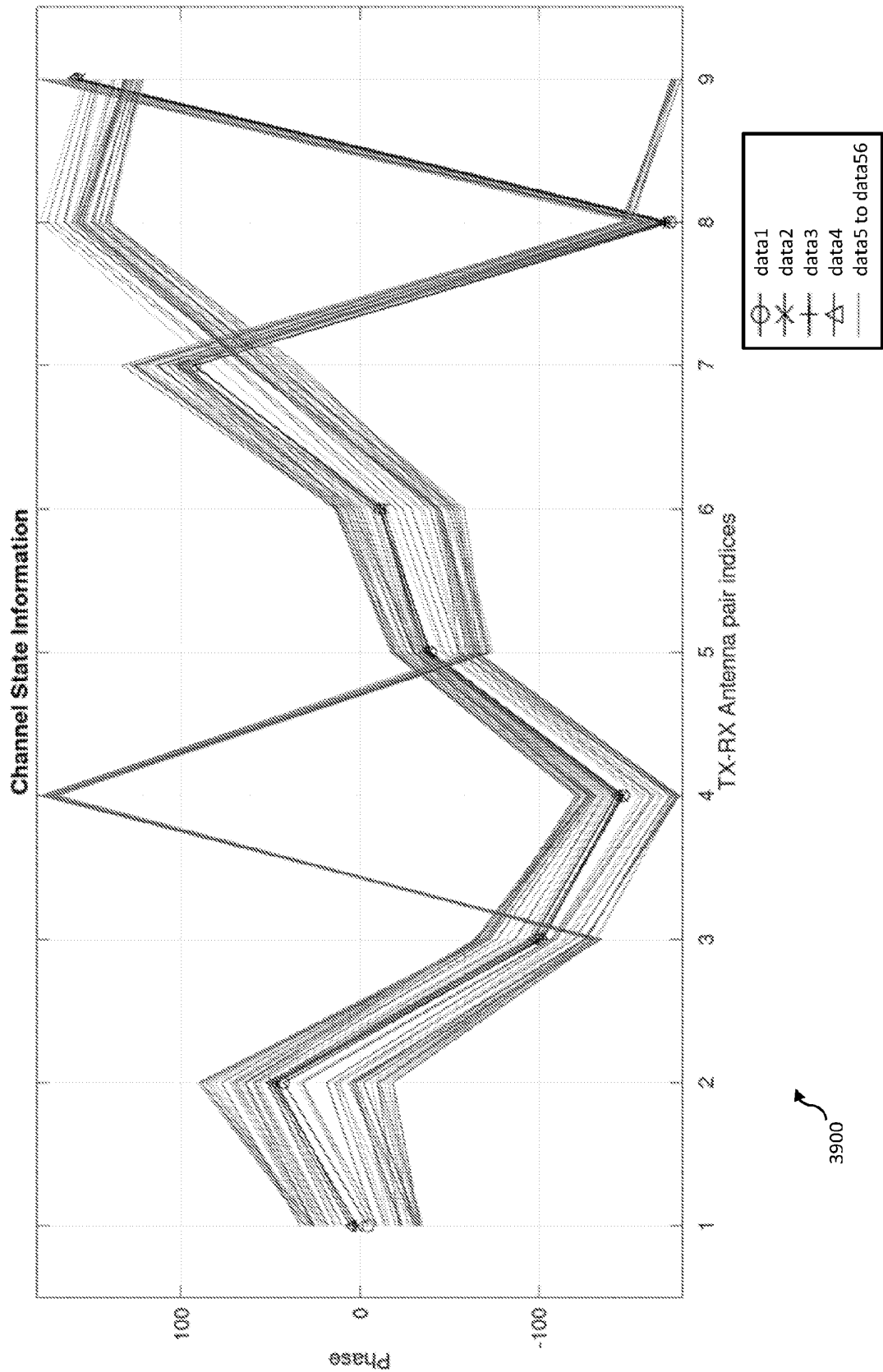


Figure 39

For each reported subcarrier k include

{

For each of N_r rows in each Phase matrix in order: $(1, \dots, N_r)$

{

Include N_c phase values computed from the real and imaginary parts of the corresponding entry of the CSI matrix H_{eff} ; each phase value using N_b bits.

}

}

}

4000

Figure 40

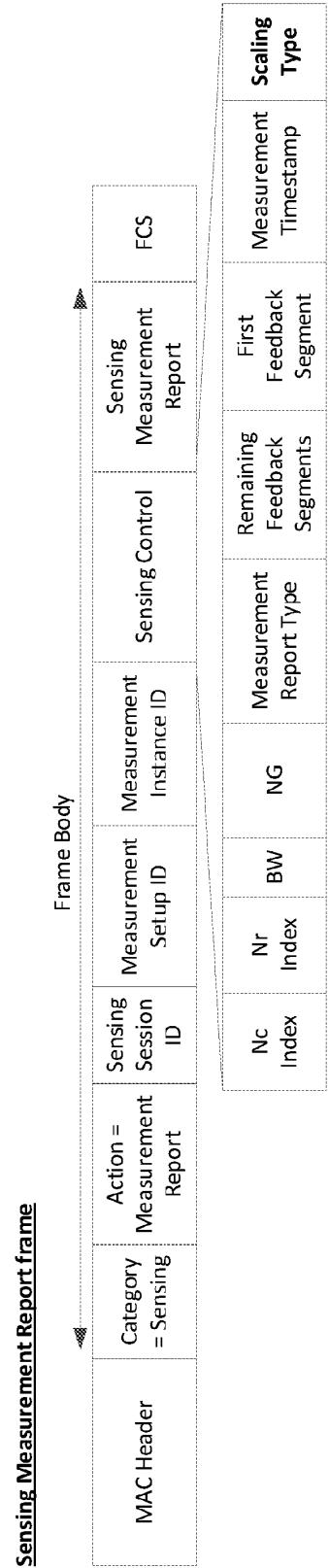


Figure 41

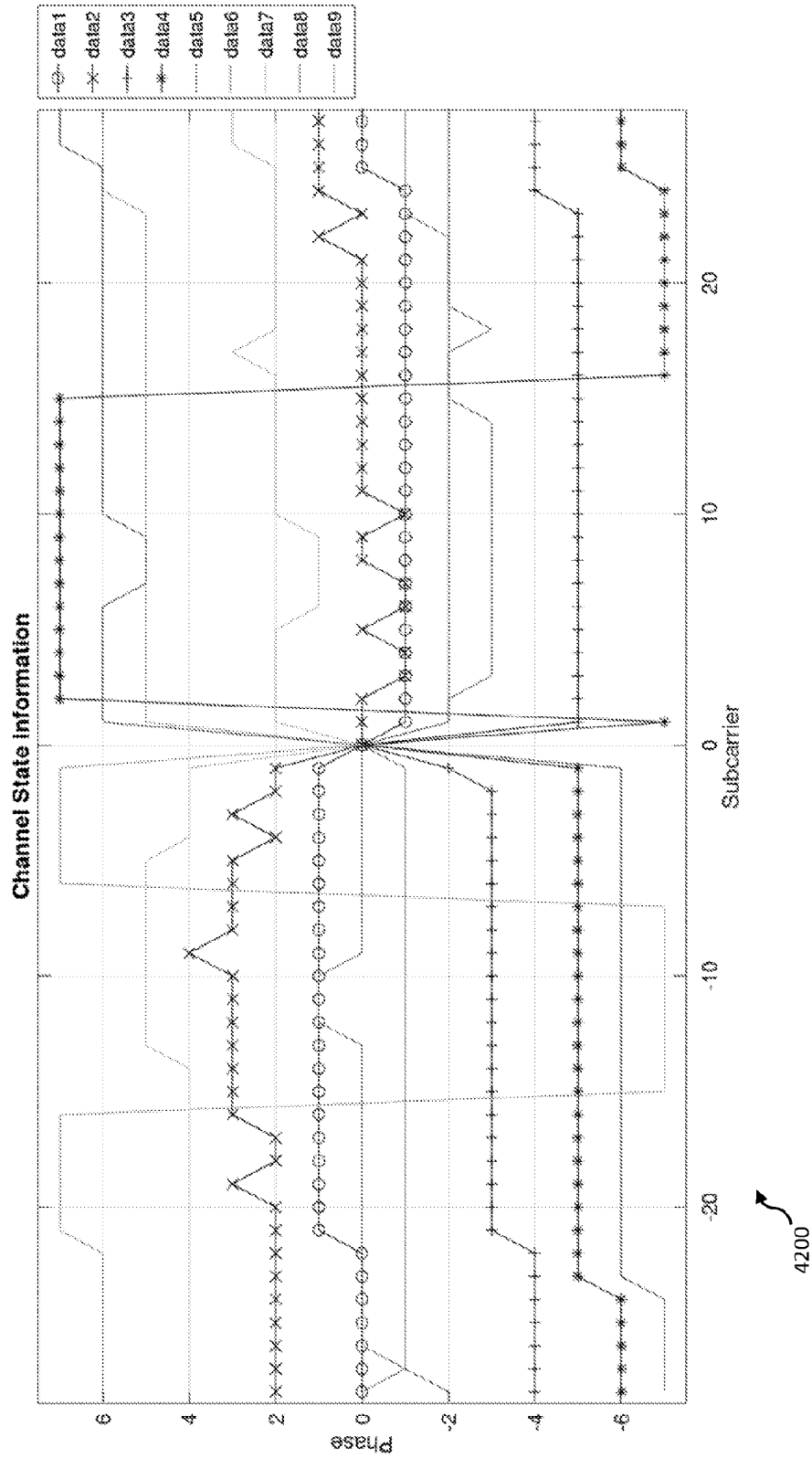


Figure 42

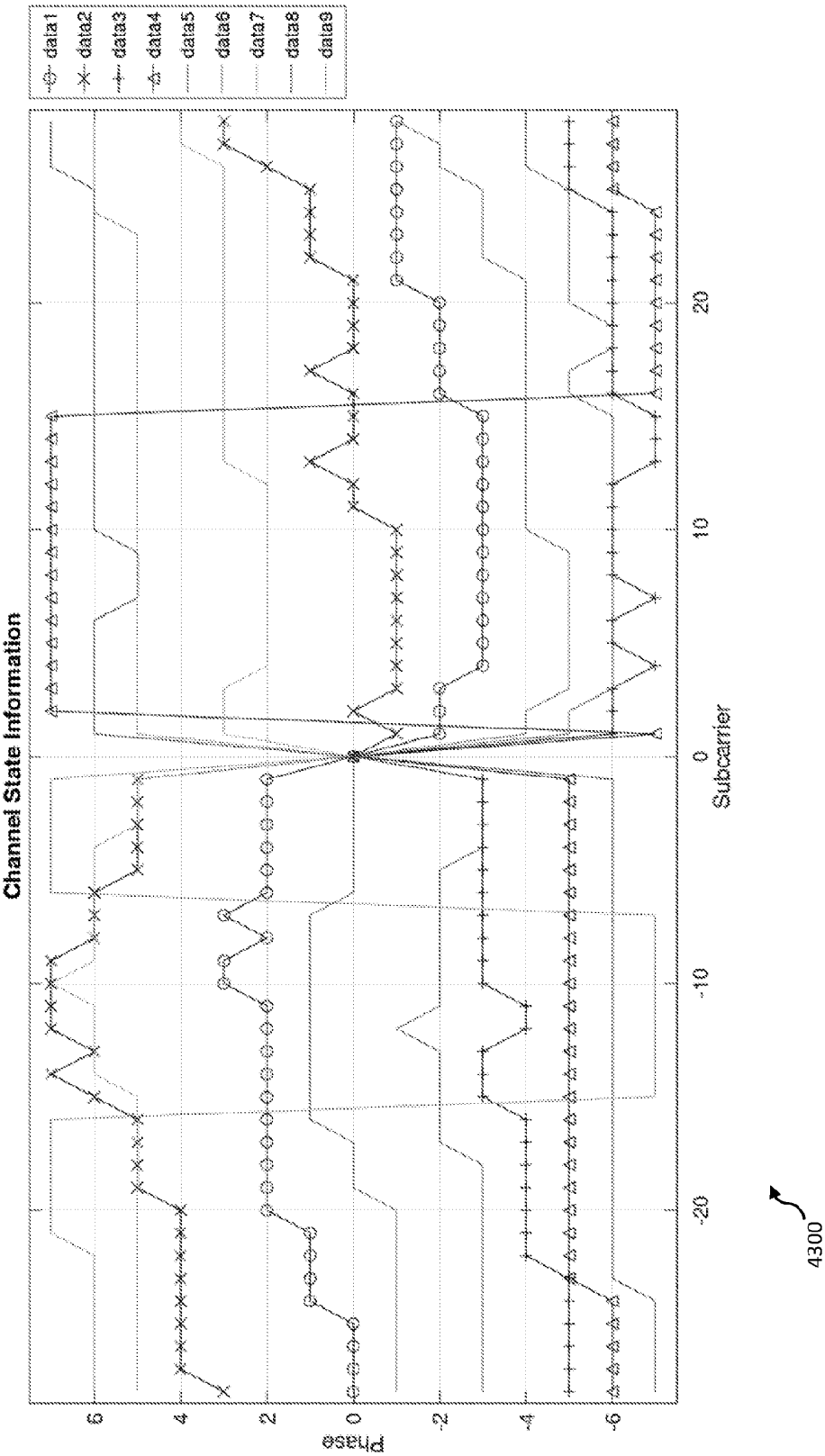


Figure 43

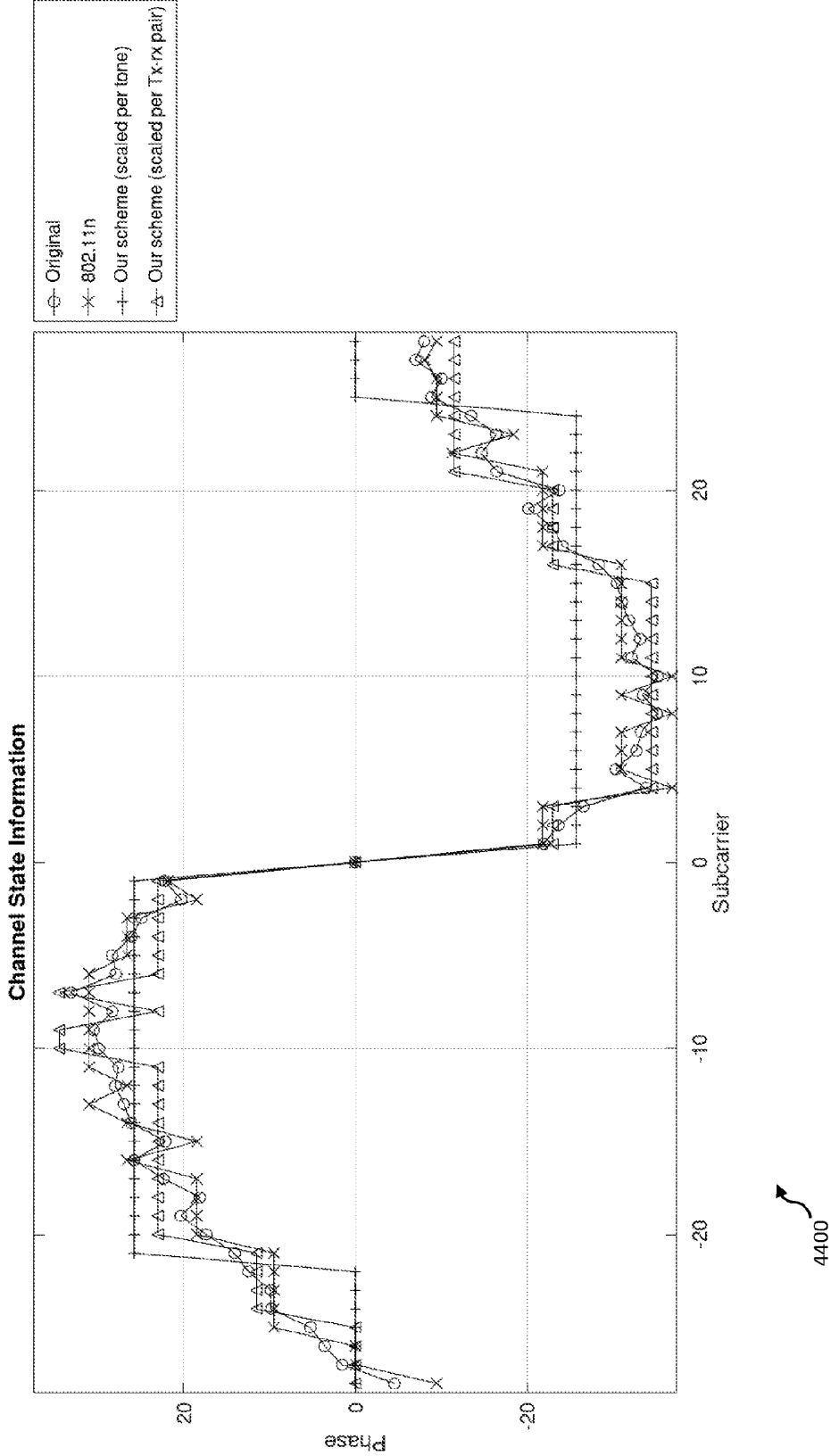


Figure 44

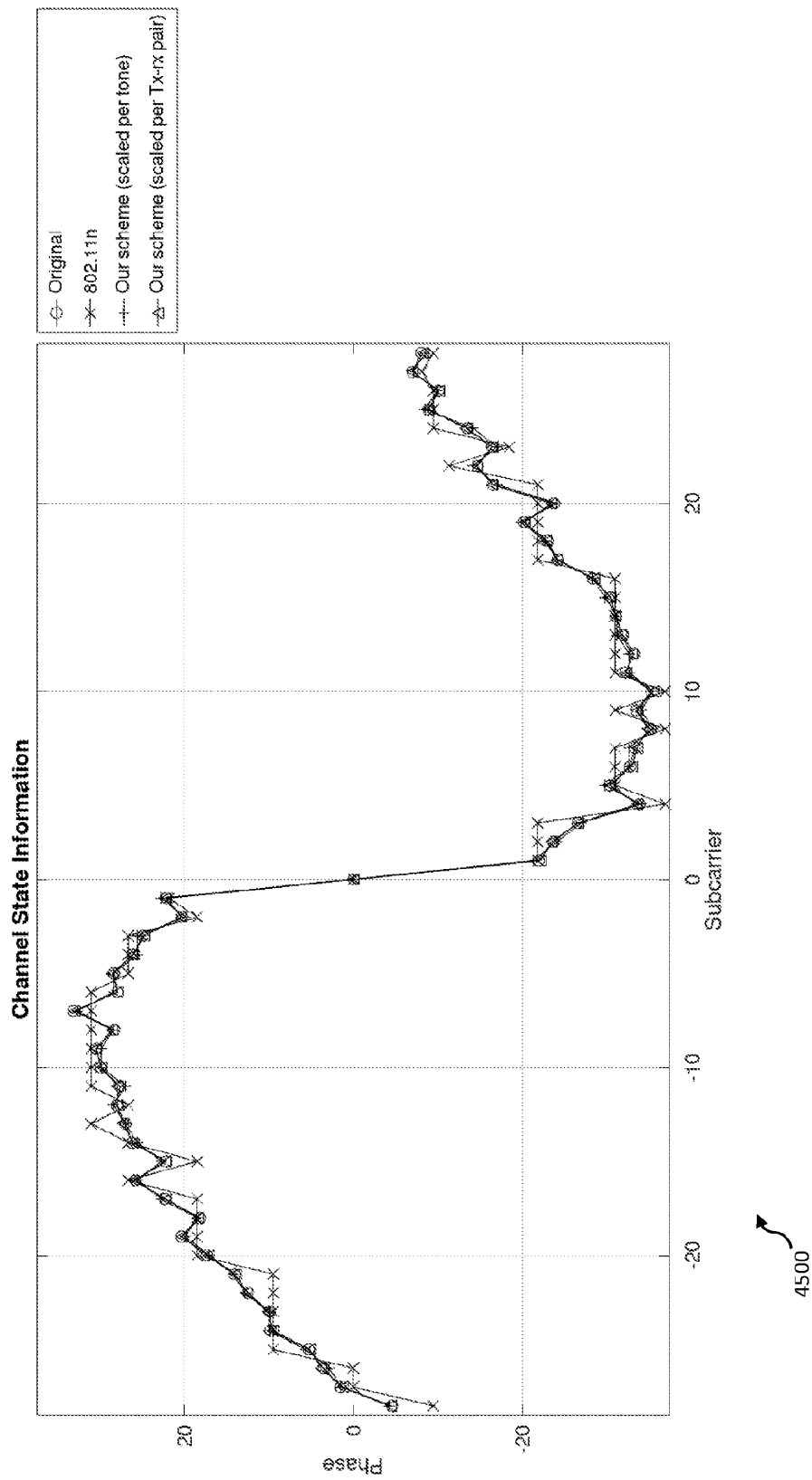


Figure 45

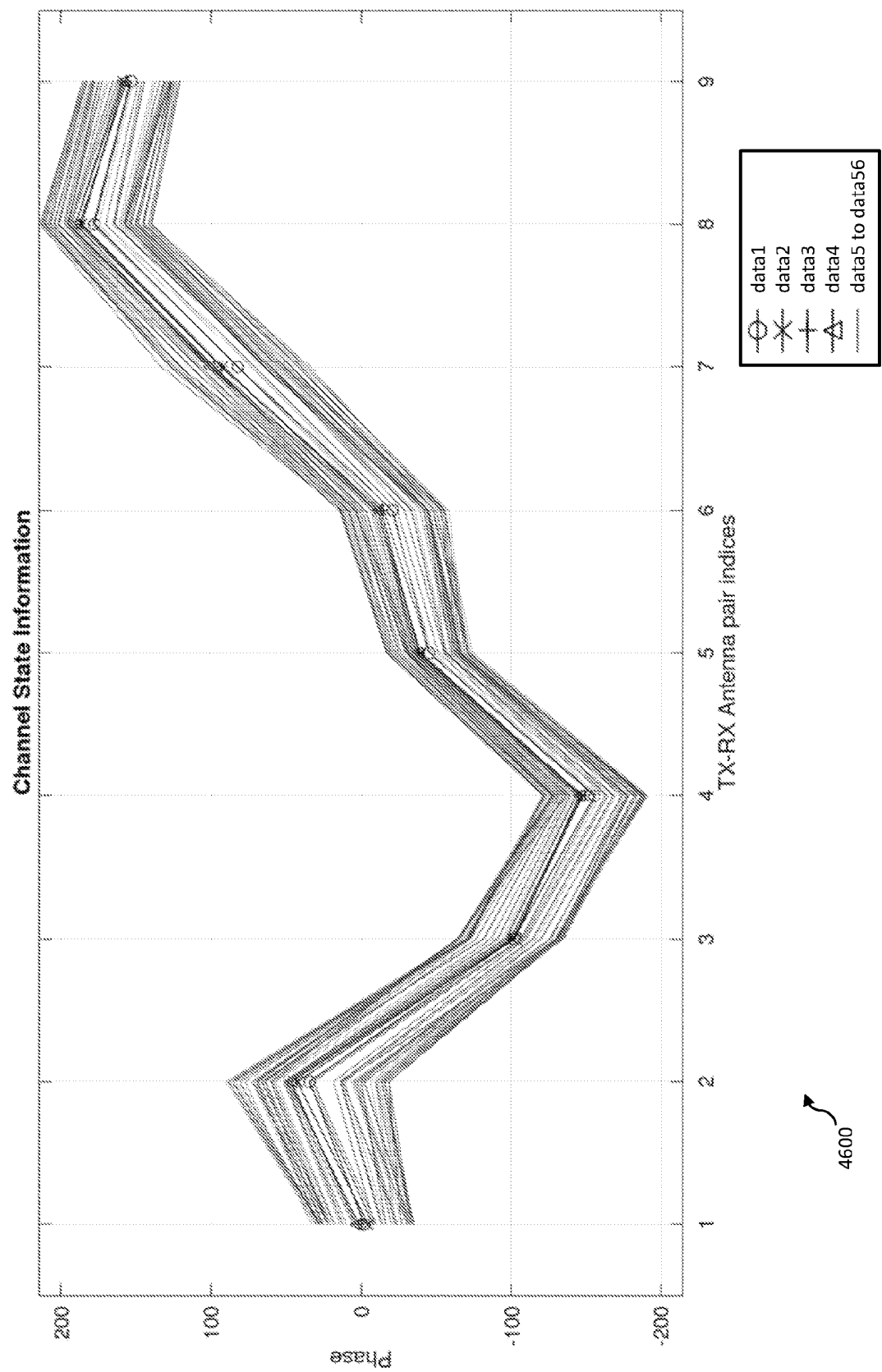


Figure 46

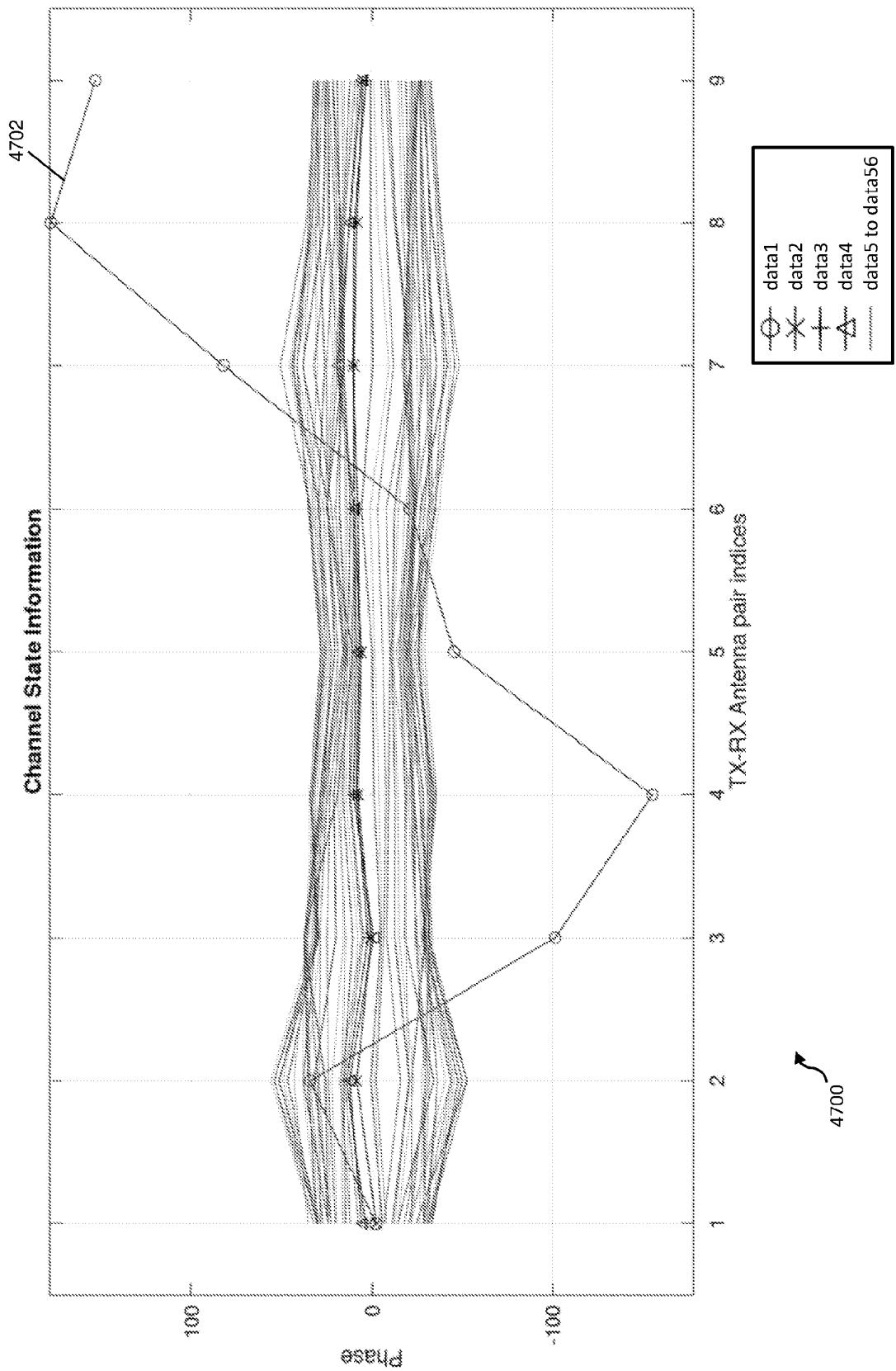


Figure 47

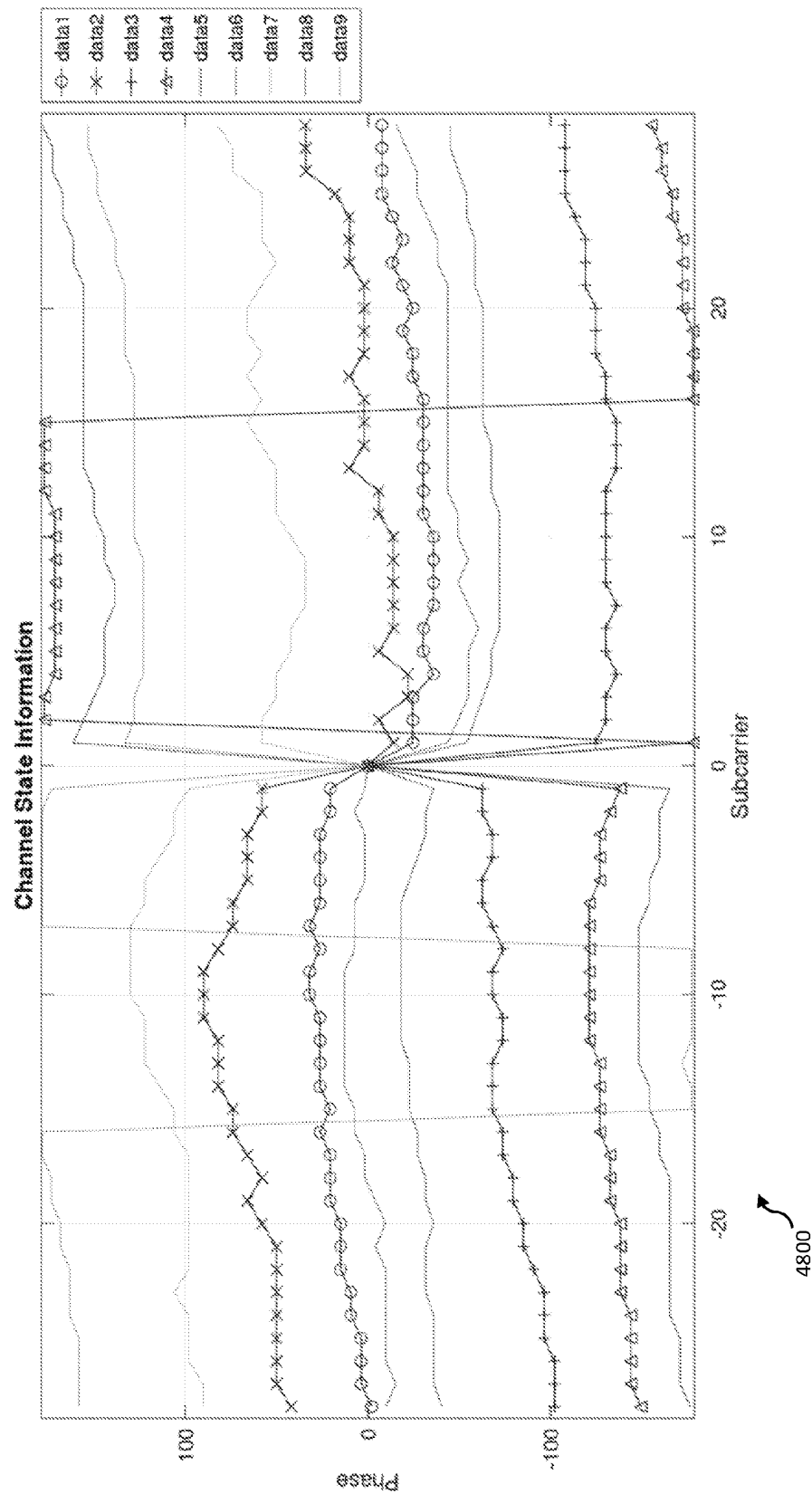


Figure 48

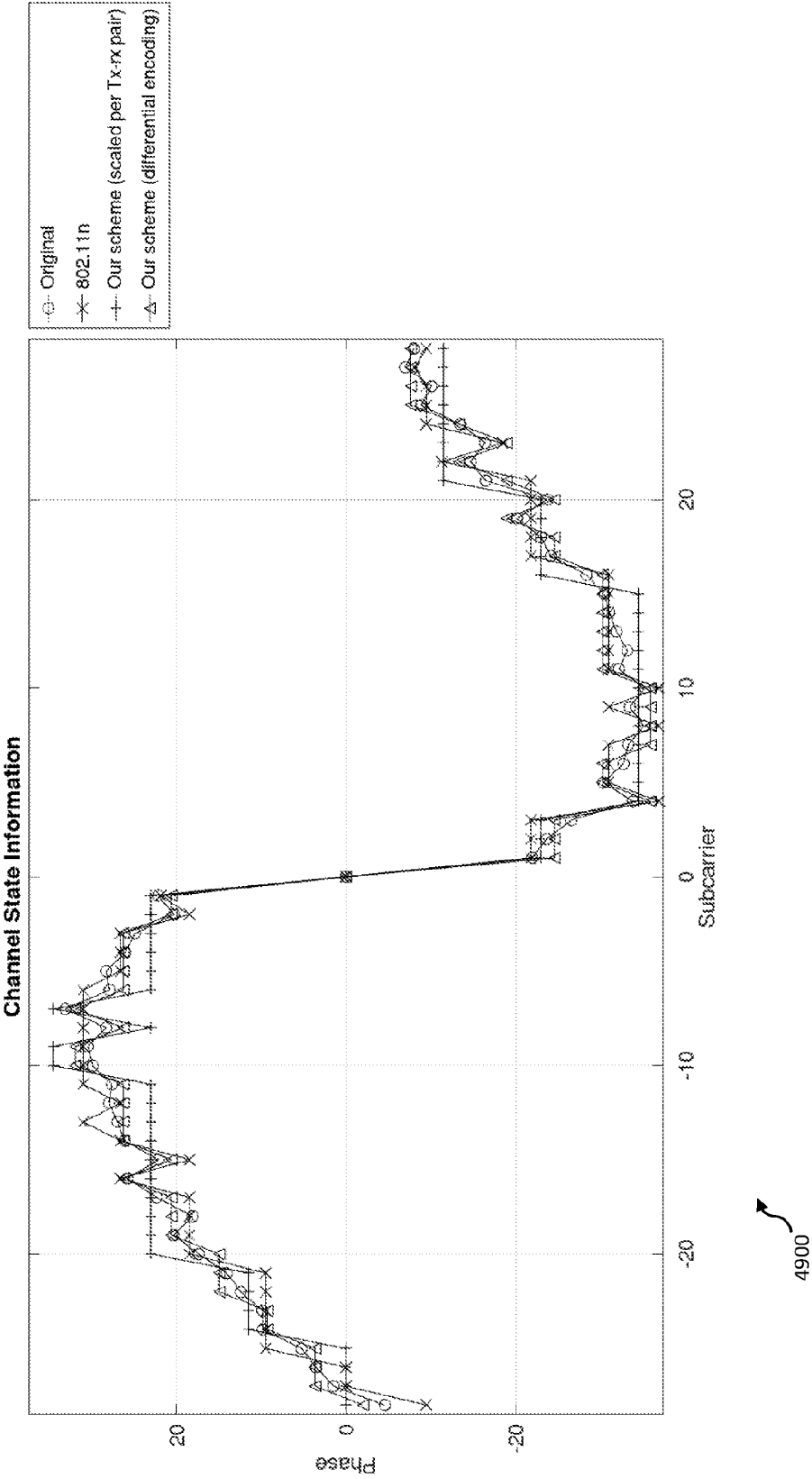


Figure 49

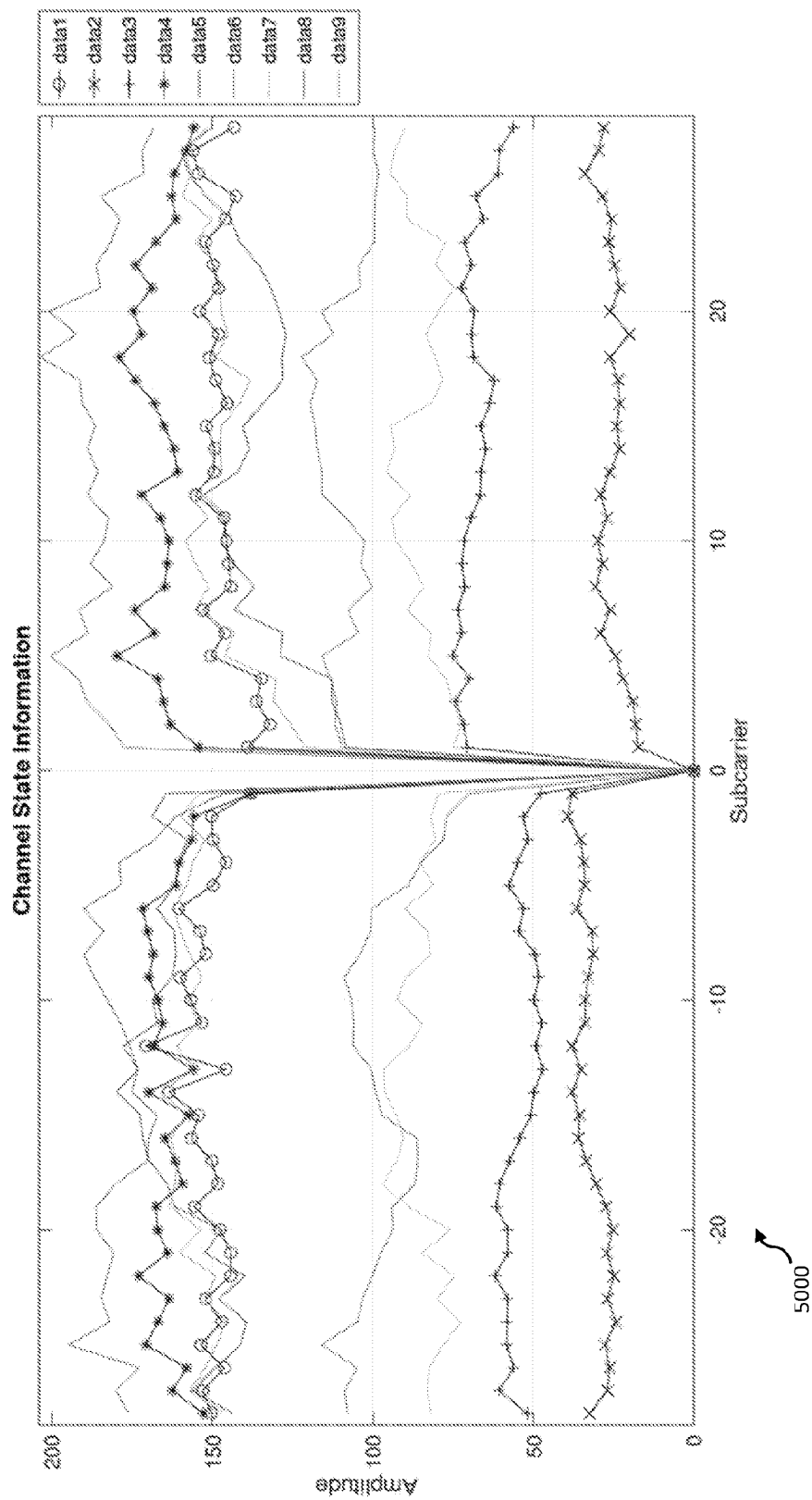


Figure 50

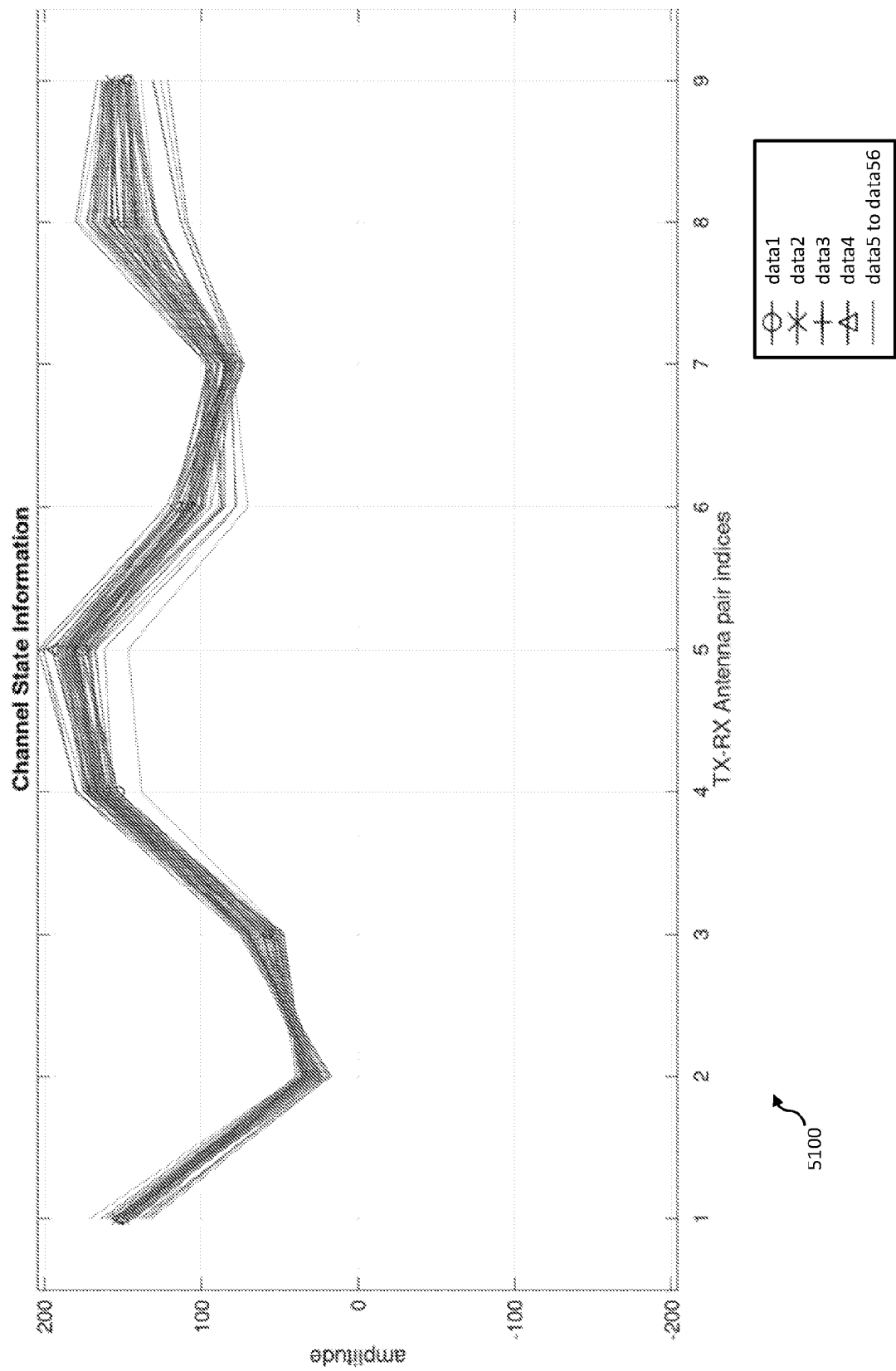


Figure 51

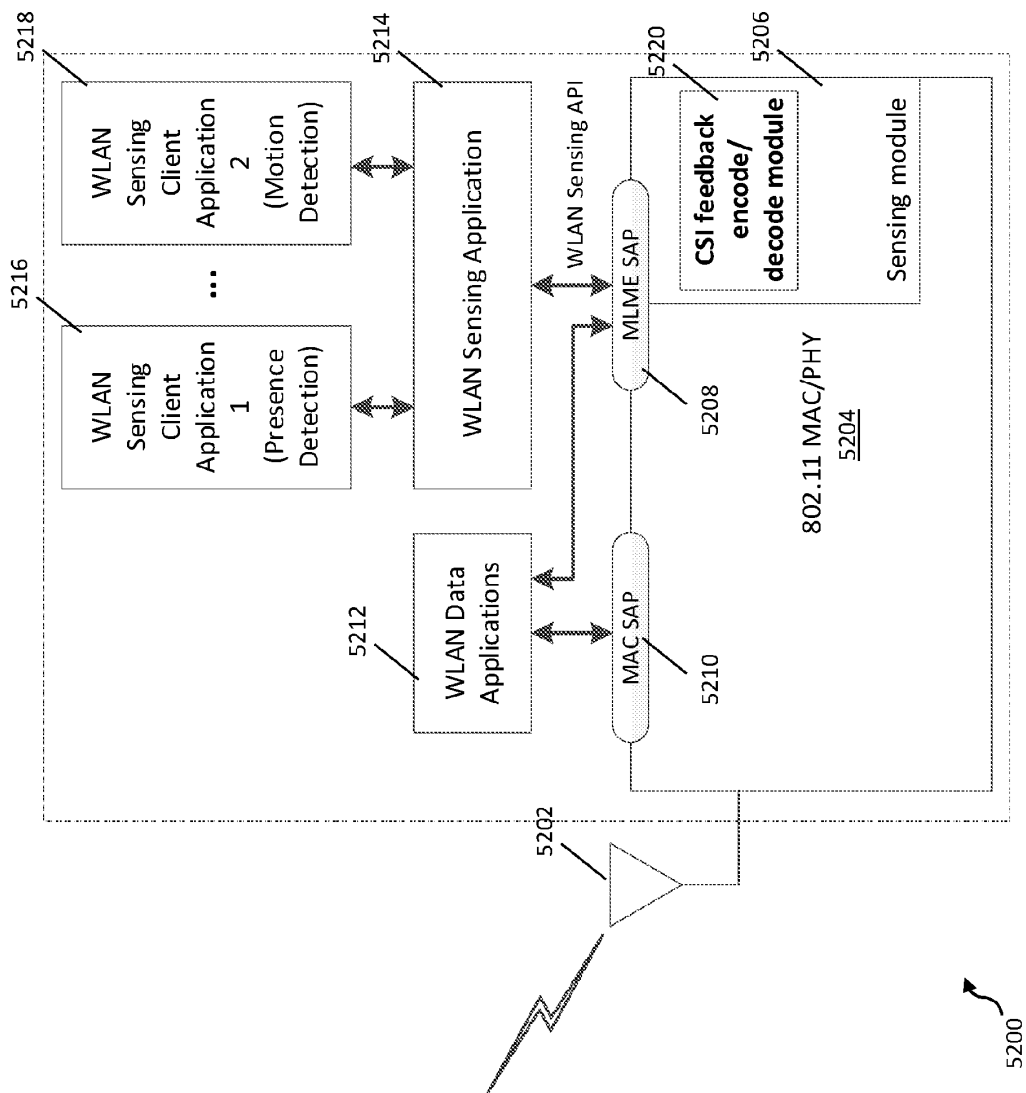


Figure 52