

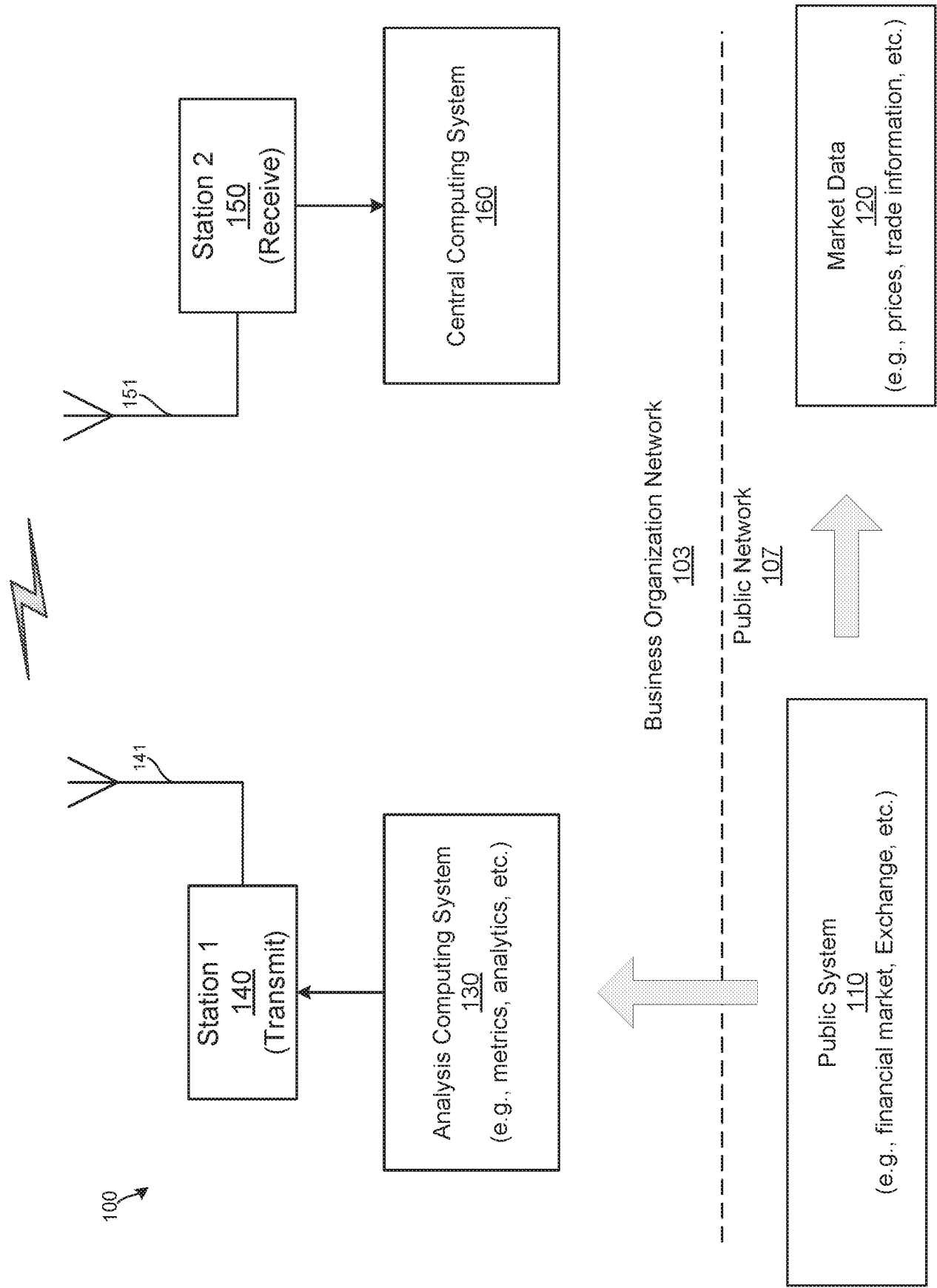
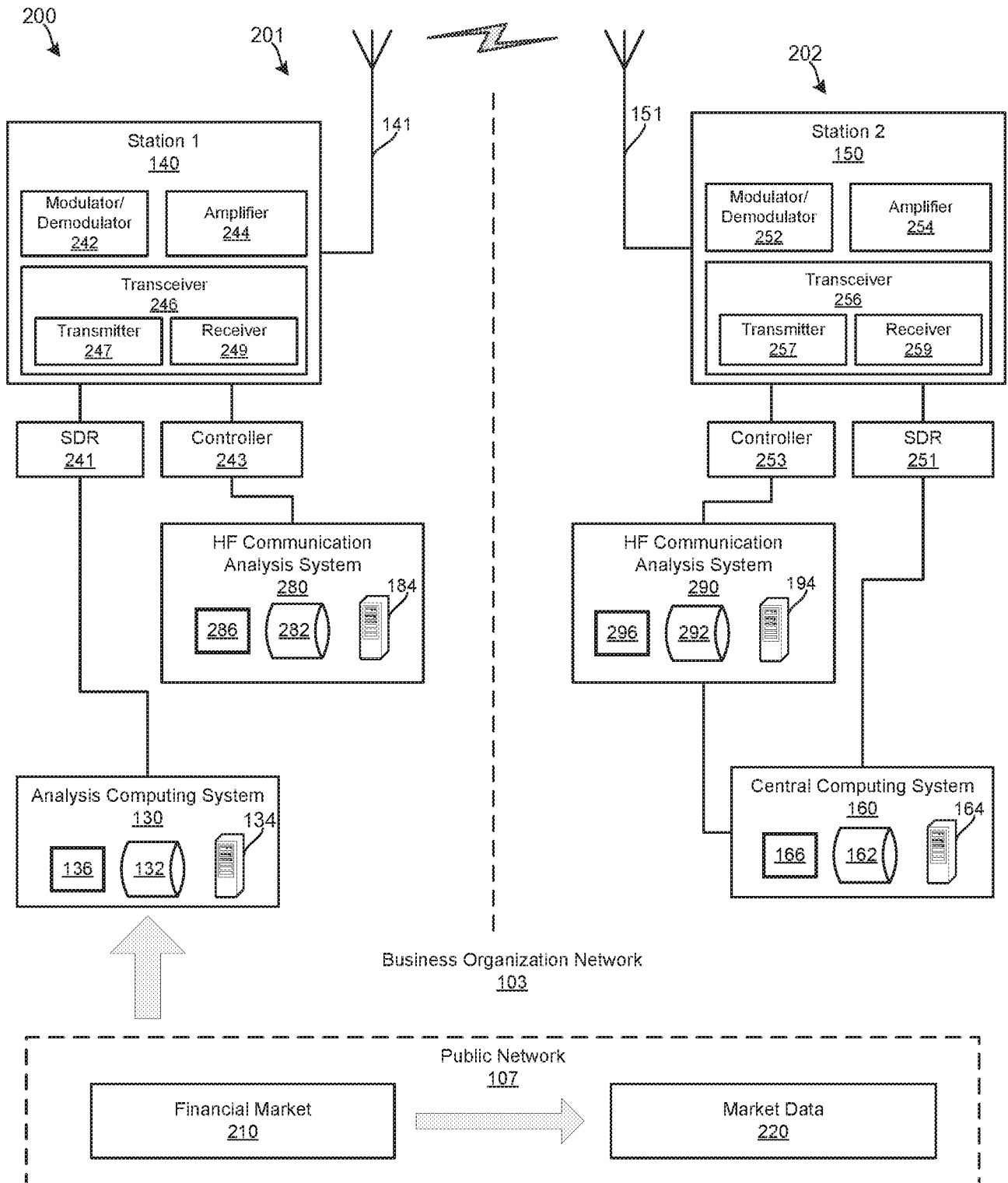


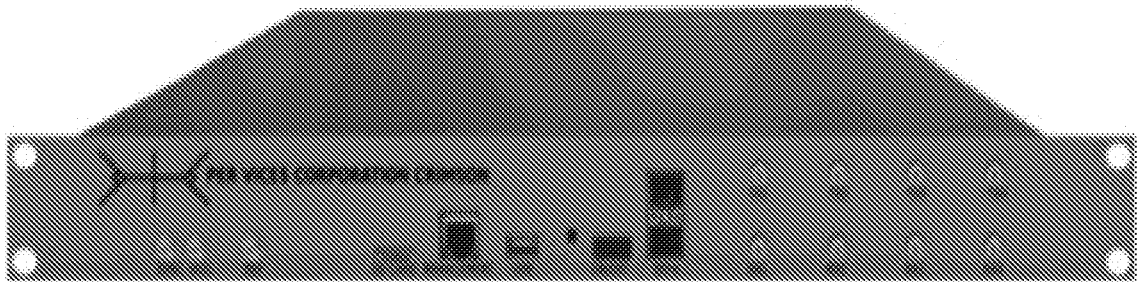
Figure 1

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**Figure 2**

3/10

300



350



Figure 3

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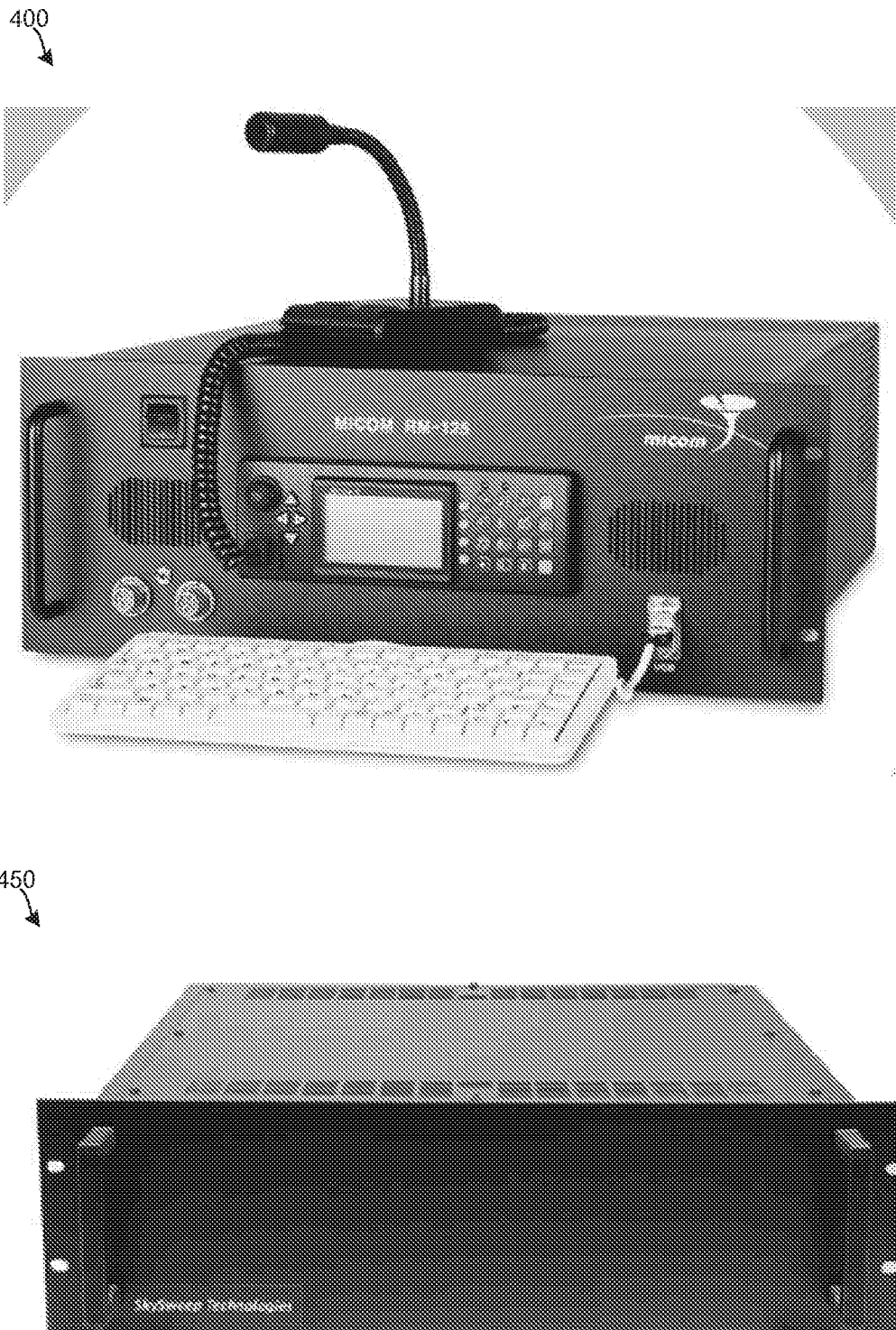


Figure 4

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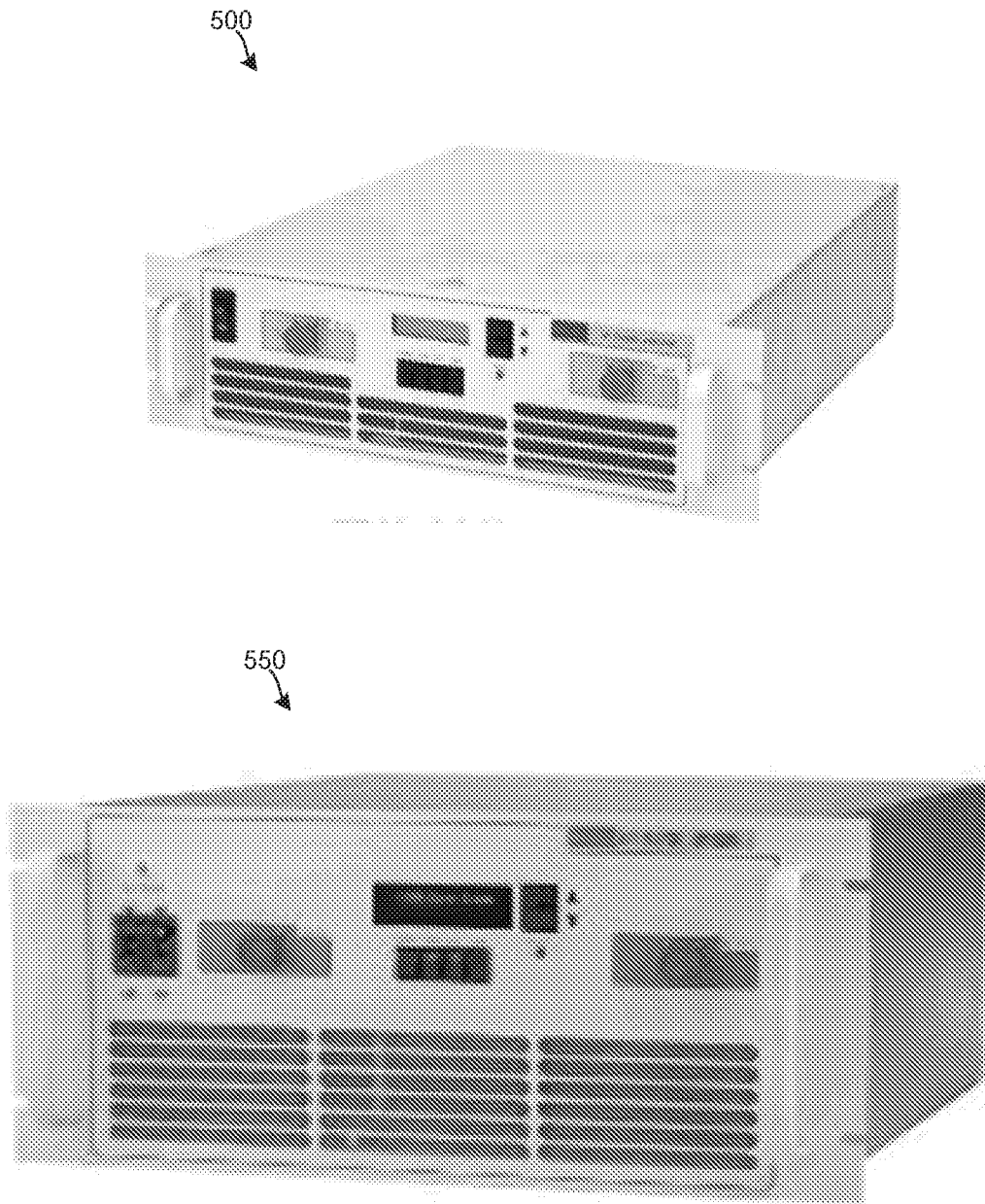
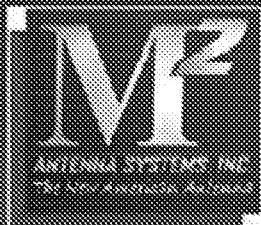
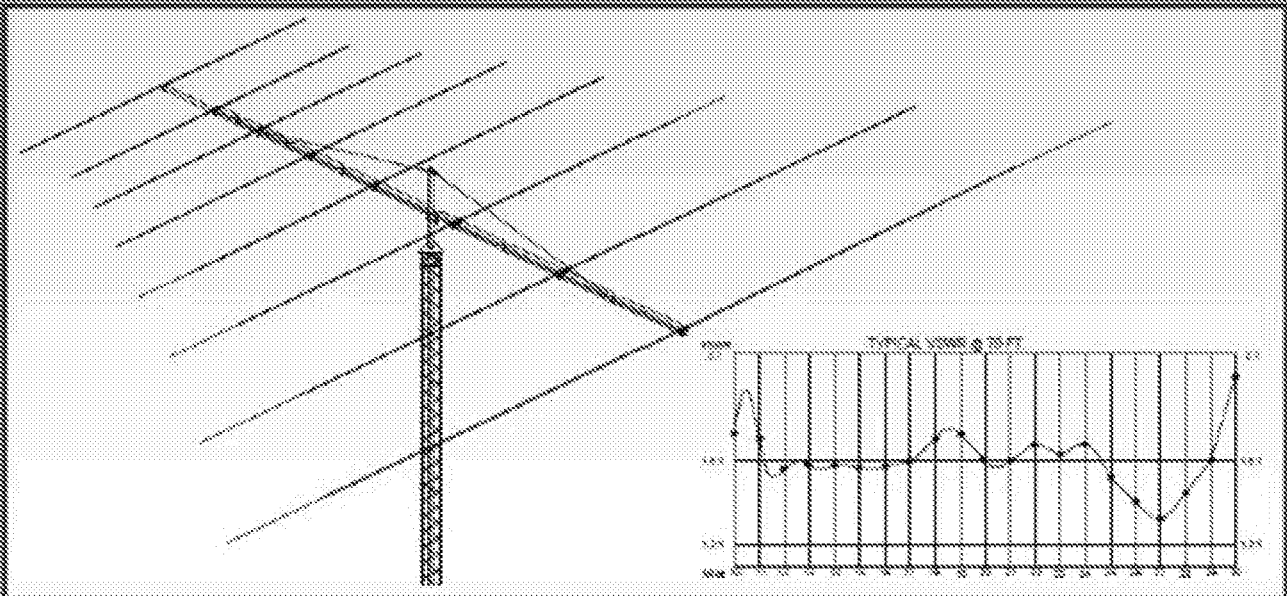


Figure 5

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600
↙

M2 Antenna Systems, Inc. Model No: 10-30LP8



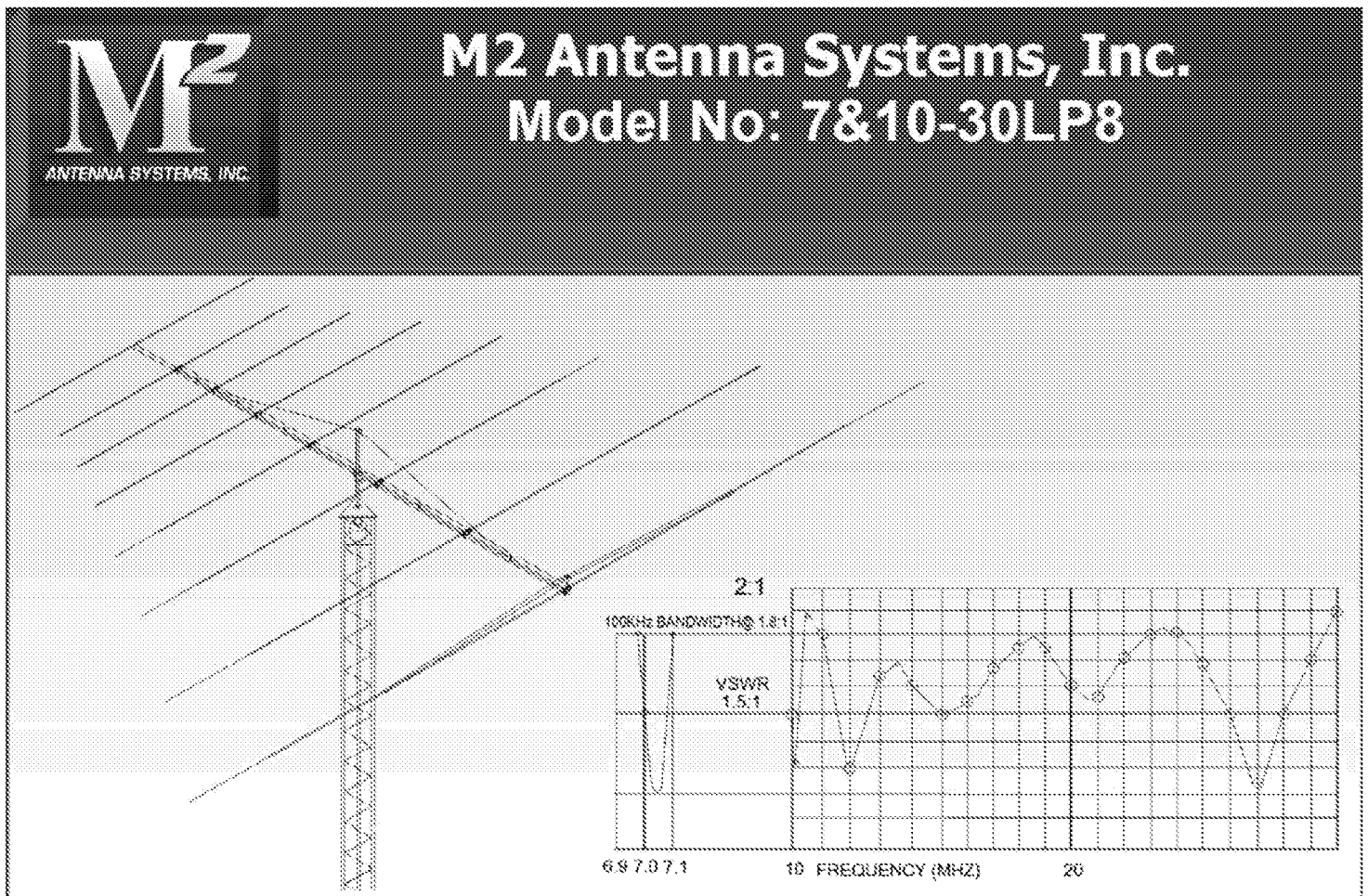
SPECIFICATIONS:

Model	10-30LP8	Power Handling	3 Kw. Higher avl.
Frequency Range	10-30 MHz Continuous	Boom Length / Dia.	29.5' / 3.0 x .125 Wall
*Gain free space / 65'	5.2 dBi / 10.5 dBi 10-30	Maximum Element Length	49'
Front to back	15 dB 10-30 MHz	Tuning Radius	28'
Beamwidth	E=70° Typical	Mast Size	2" to 3" Nom.
Feed Impedance	50 Ohms Unbalanced	Wind area / Survival	12.5 Sq. Ft. / 100 MPH
Maximum VSWR	2.0:1	Weight / Ship Wt.	100 Lbs. / 125 Lbs.
Input Connector	SO-239, Others avl.		

*Subtract 2.14 from dBi for dBd

Figure 6A

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650
**Figure 6B**

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700
↙Tx power = 25 Watts

The black line across the graph is MUF.

Circuit Reliability (%)

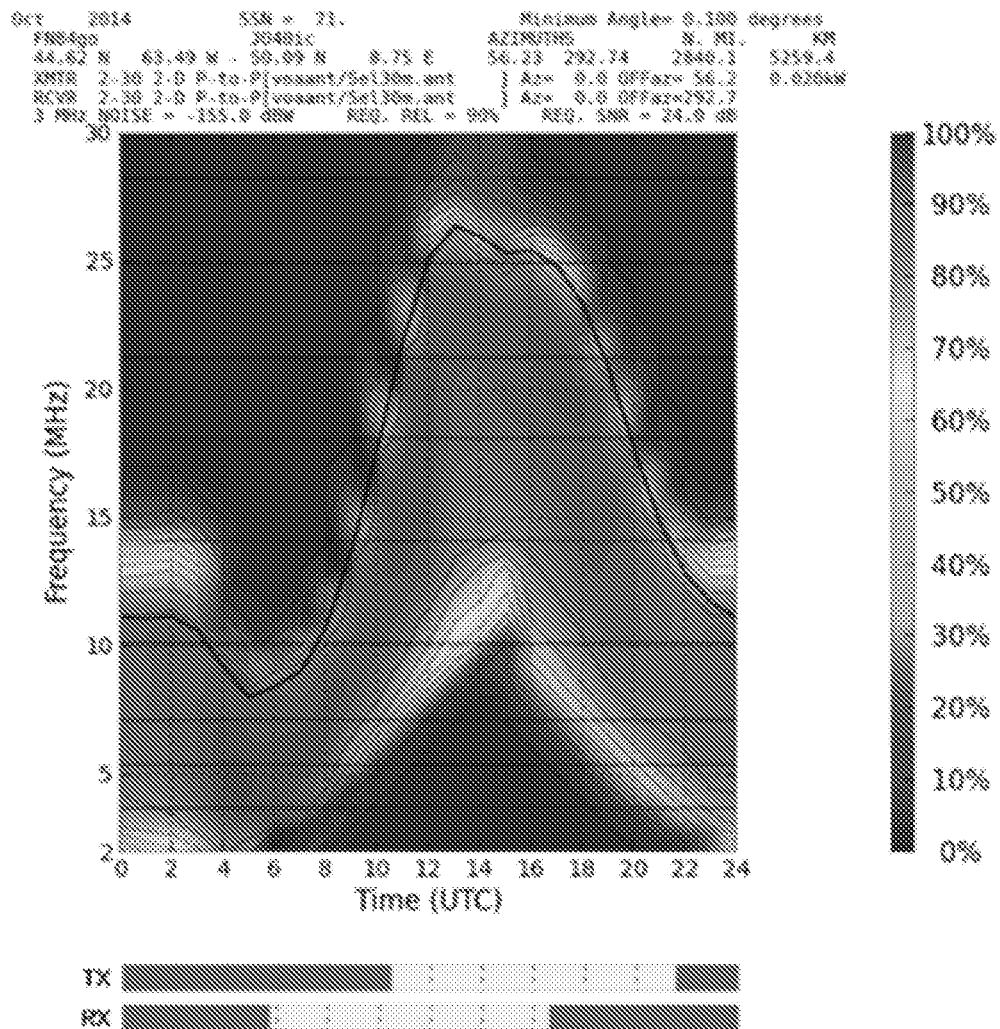


Figure 7

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800

Tx power = 100 Watts

The black line across the graph is MUF.

Circuit Reliability (%)

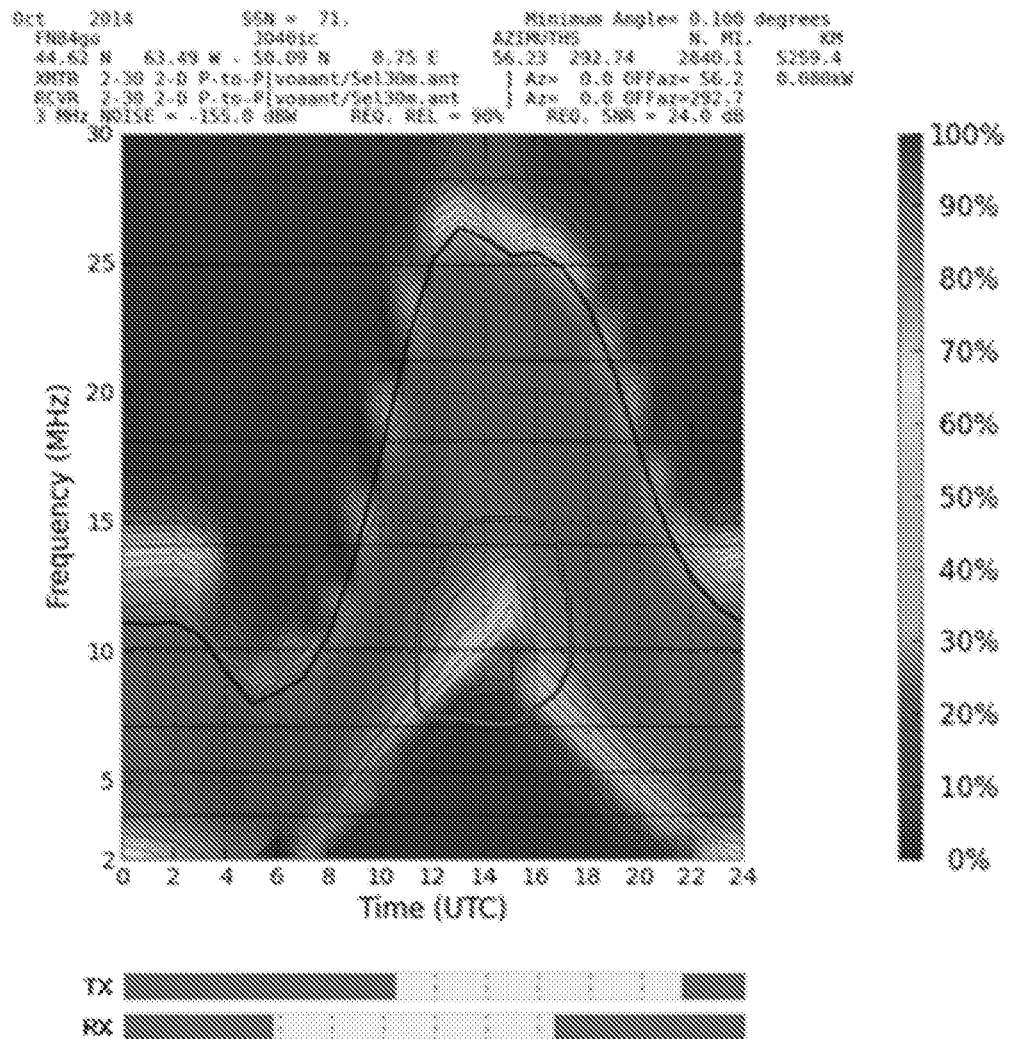
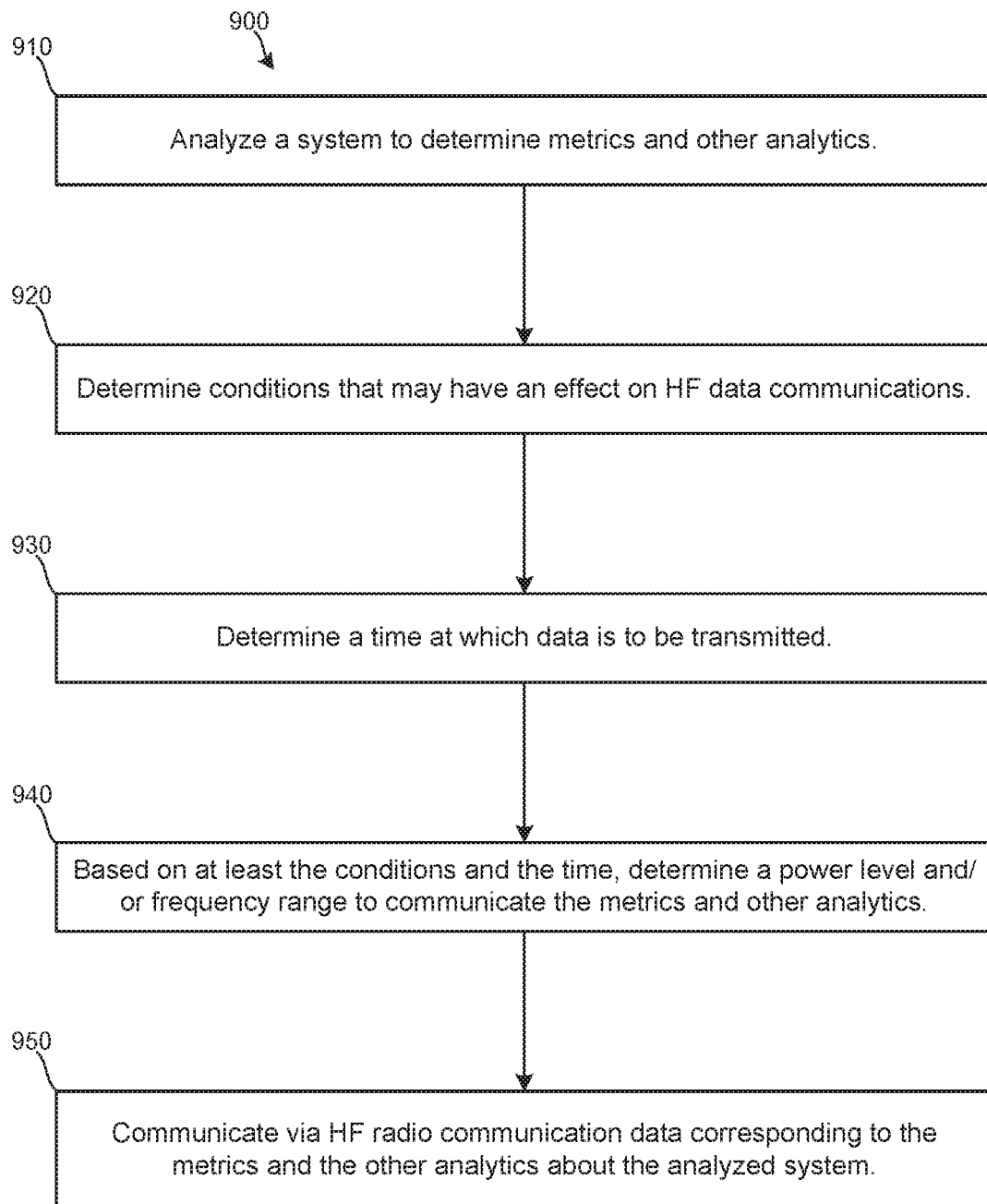


Figure 8

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**Figure 9**