

WA04 UWB PCB antenna Specification

By KKM

1 Testing Conditions

Figure 1:Testing environment

Figure 2:Testing 3D microwave
darkroom(6m*6m*6m)

Product Testing Conditions

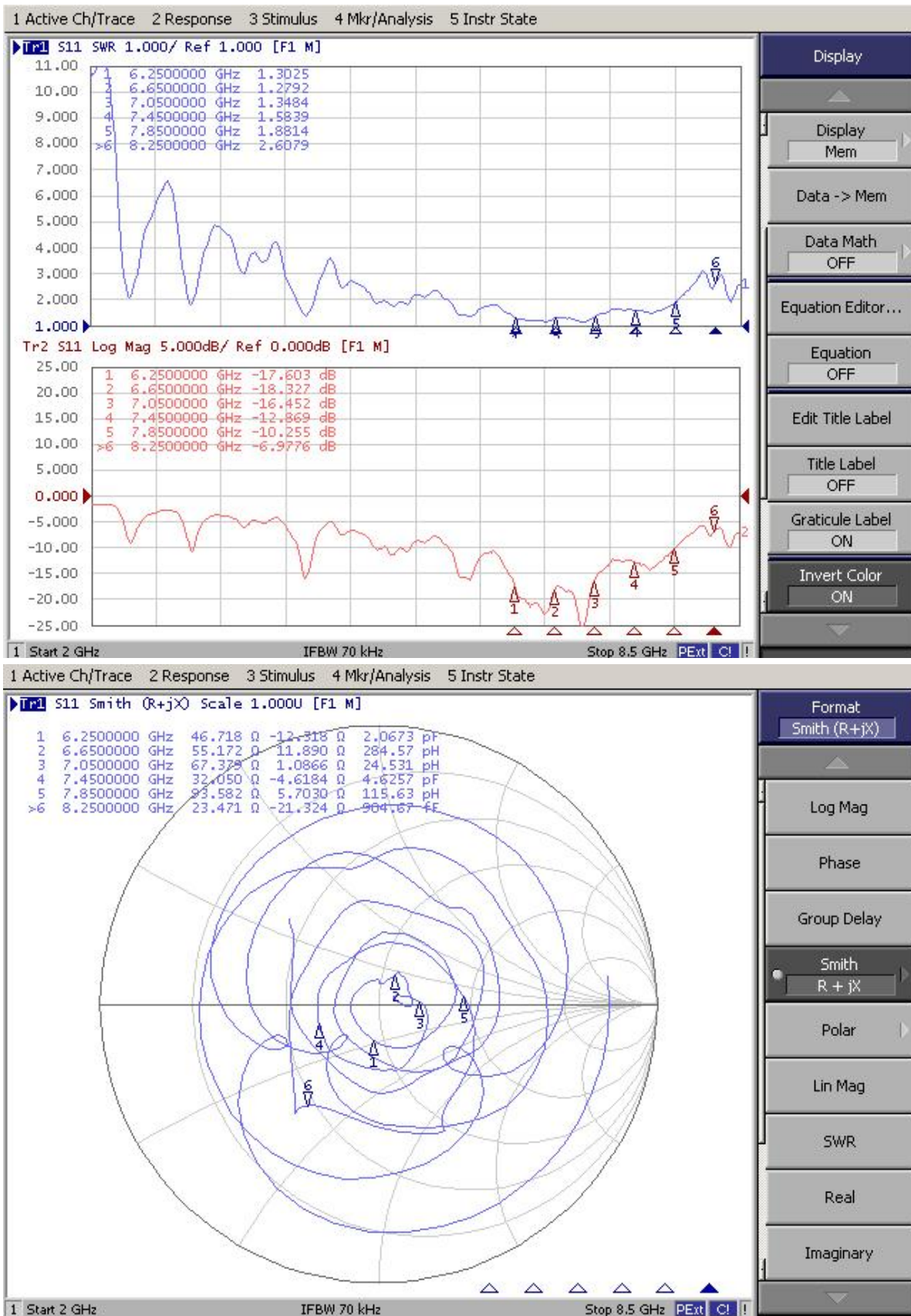
Parameters	Value
Working Temp	-30℃ ~ +60℃

2 Antenna Dimensions

Figure 3: Antenna Dimensions



3 S Parameter_Return Loss&VSWR - Smith



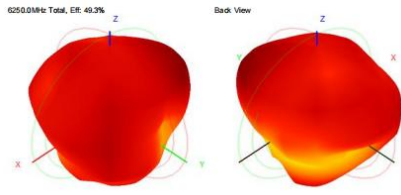
4 Efficiency and Gain

Frequency ID	1	2	3	4	5	6	7	8	9
Frequency (MHz)	6250.0	6300.0	6350.0	6400.0	6450.0	6500.0	6550.0	6600.0	6650.0
Gain (dBi)	2.59	3.45	2.68	2.67	3.02	3.65	4.03	3.76	3.87
Efficiency (%)	49.34	56.85	54.60	54.74	53.47	54.62	58.99	55.76	52.17

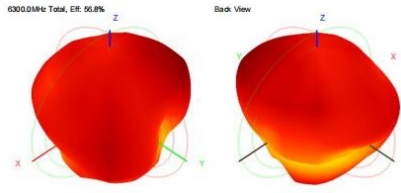
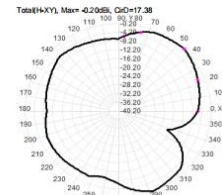
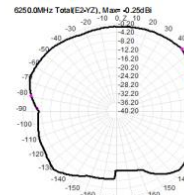
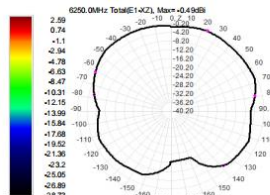
10	11	12	13	14	15	16	17	18	19	20	21
6700.0	6750.0	6800.0	6850.0	6900.0	6950.0	7000.0	7050.0	7100.0	7150.0	7200.0	7250.0
3.64	3.33	3.11	2.22	3.03	2.37	3.13	2.30	2.56	3.18	3.55	2.43
51.28	50.13	56.70	46.23	52.03	50.42	58.02	48.93	47.33	50.22	56.15	47.25

22	23	24	25	26	27	28	29	30	31
7300.0	7350.0	7400.0	7450.0	7500.0	7550.0	7600.0	7650.0	7700.0	7750.0
2.50	2.74	3.10	2.81	2.66	2.24	1.52	1.30	2.50	1.41
48.57	53.71	58.04	51.93	49.97	50.28	48.24	43.14	47.84	42.19

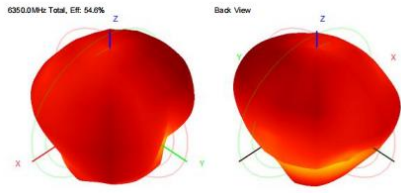
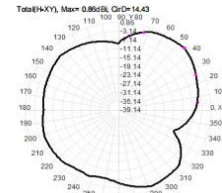
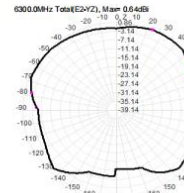
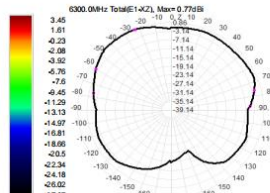
32	33	34	35	36	37	38	39	40	41
7800.0	7850.0	7900.0	7950.0	8000.0	8050.0	8100.0	8150.0	8200.0	8250.0
1.55	0.94	2.23	0.66	0.79	0.89	1.66	0.09	0.03	0.57
38.93	34.02	45.29	32.50	33.02	36.09	43.02	30.69	33.90	37.15



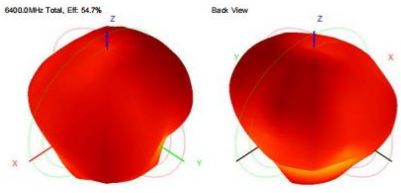
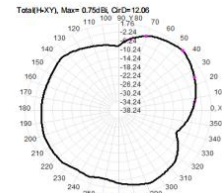
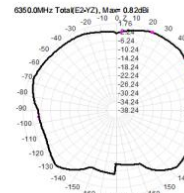
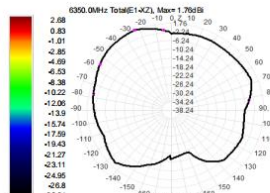
Back View



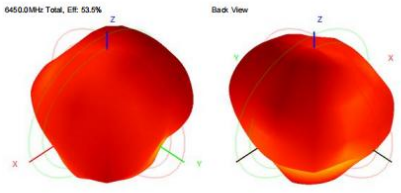
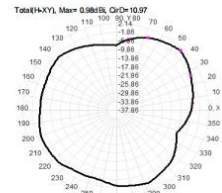
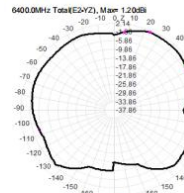
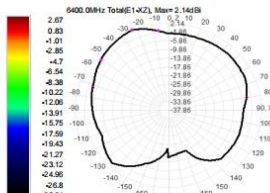
Back View



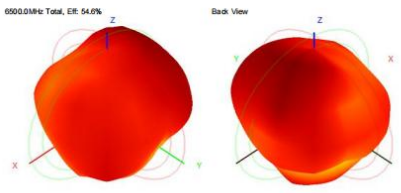
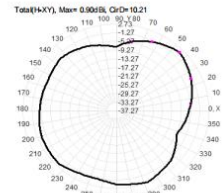
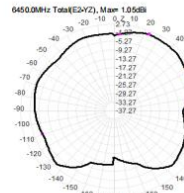
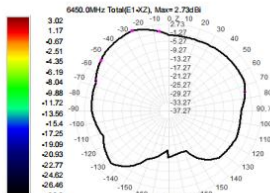
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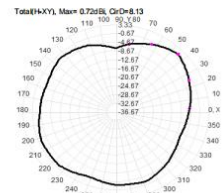
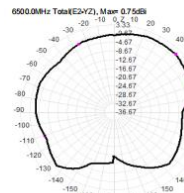
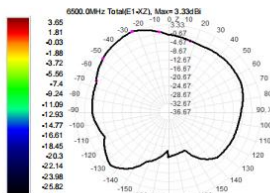
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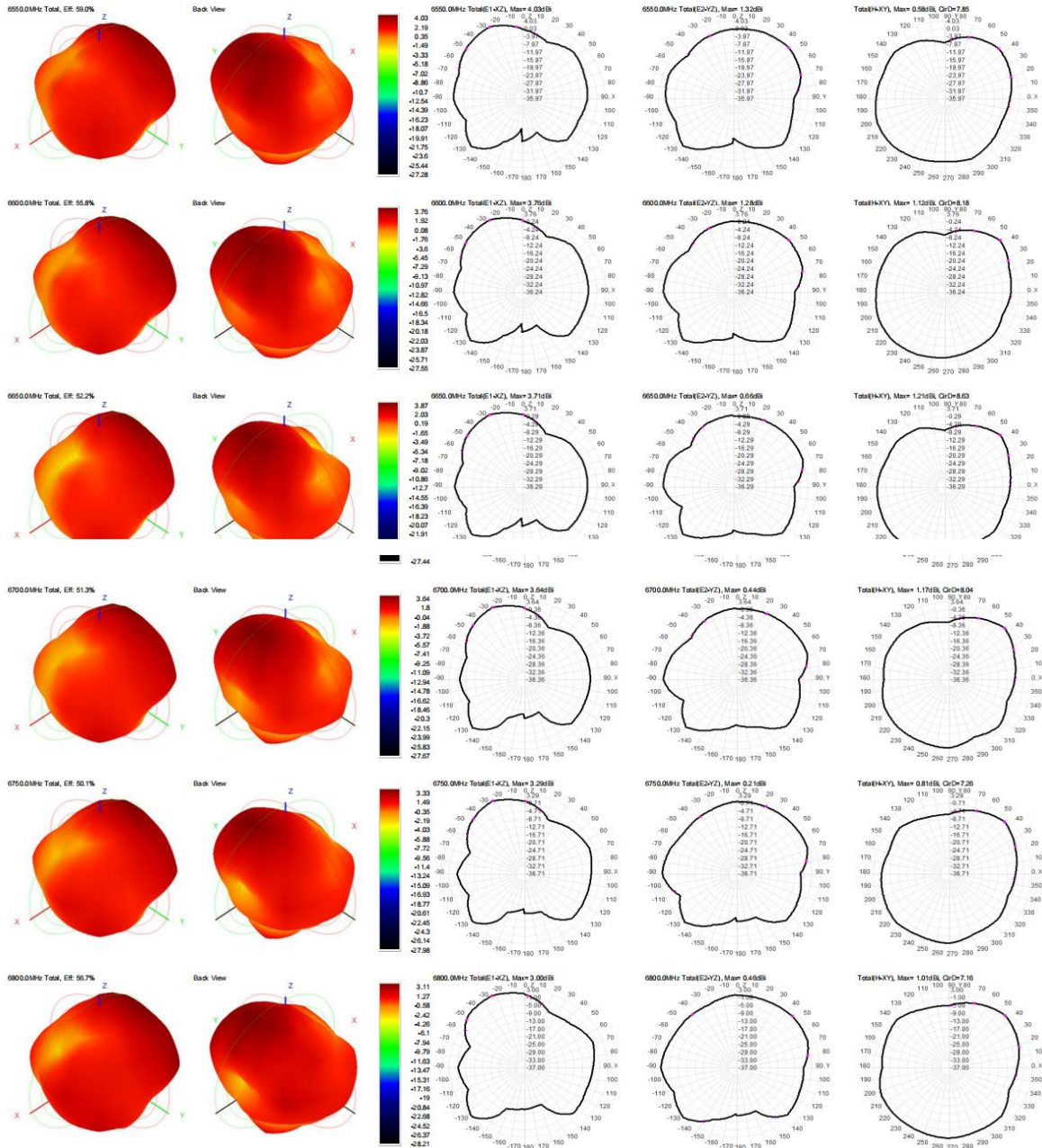


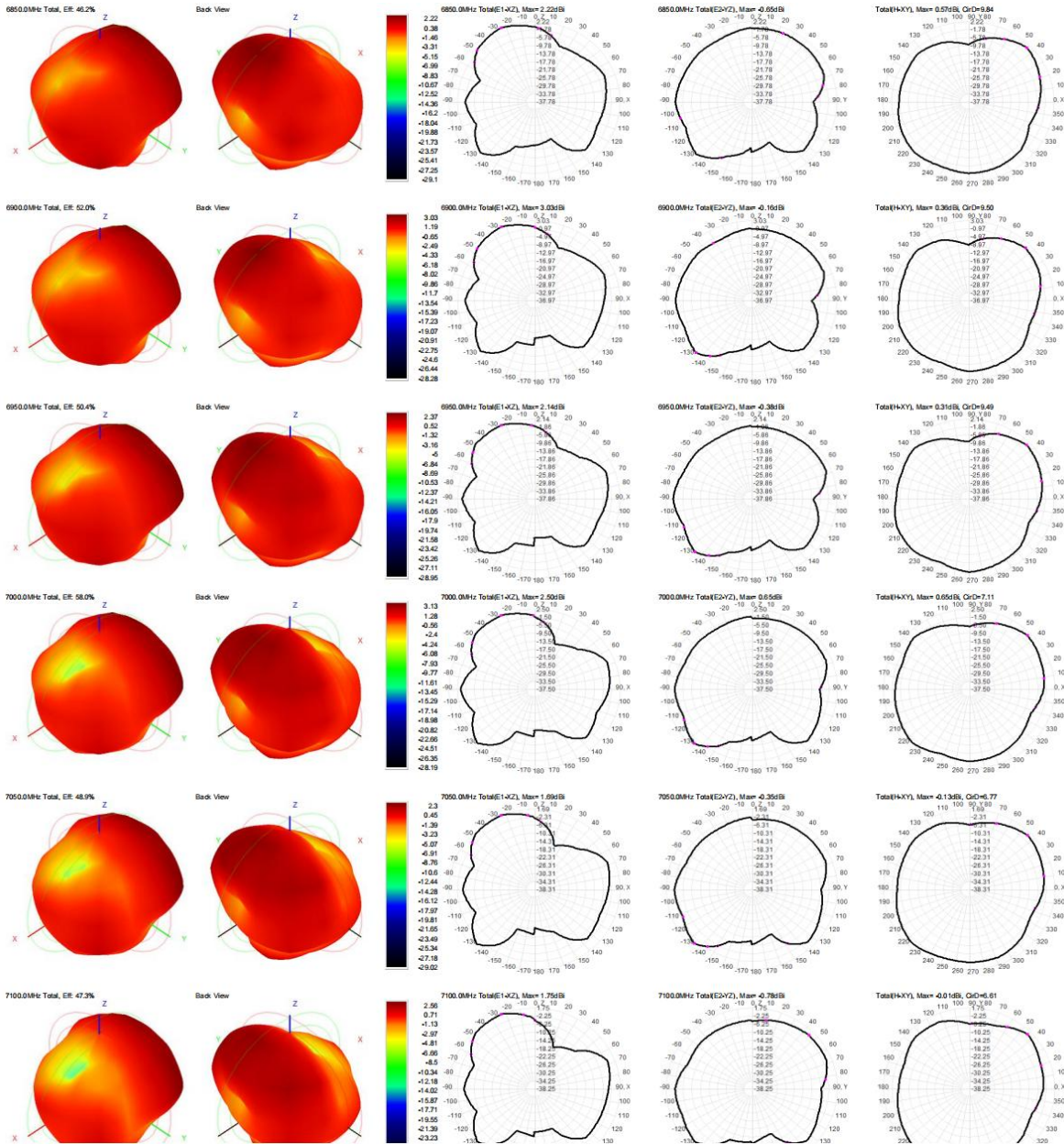
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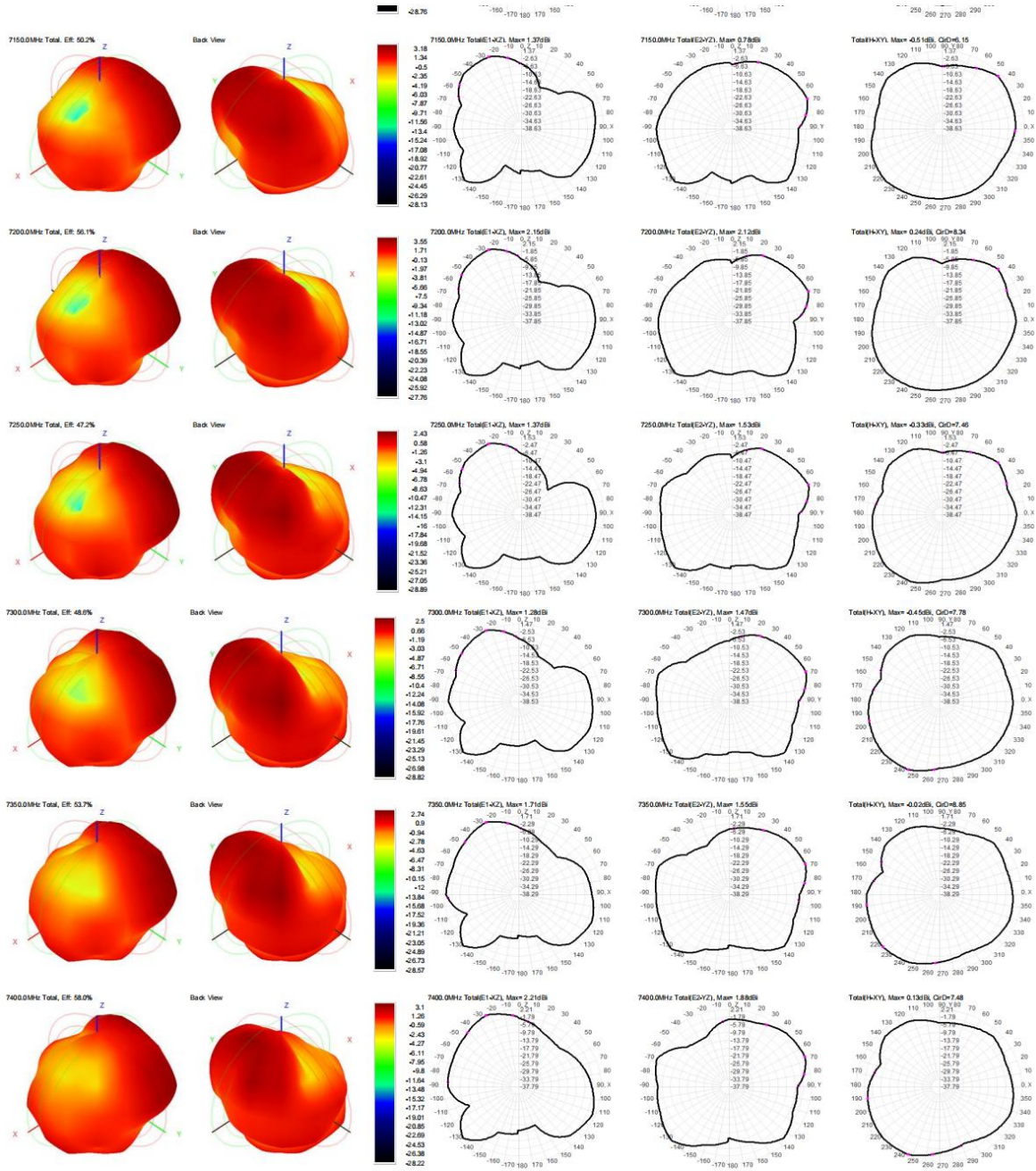


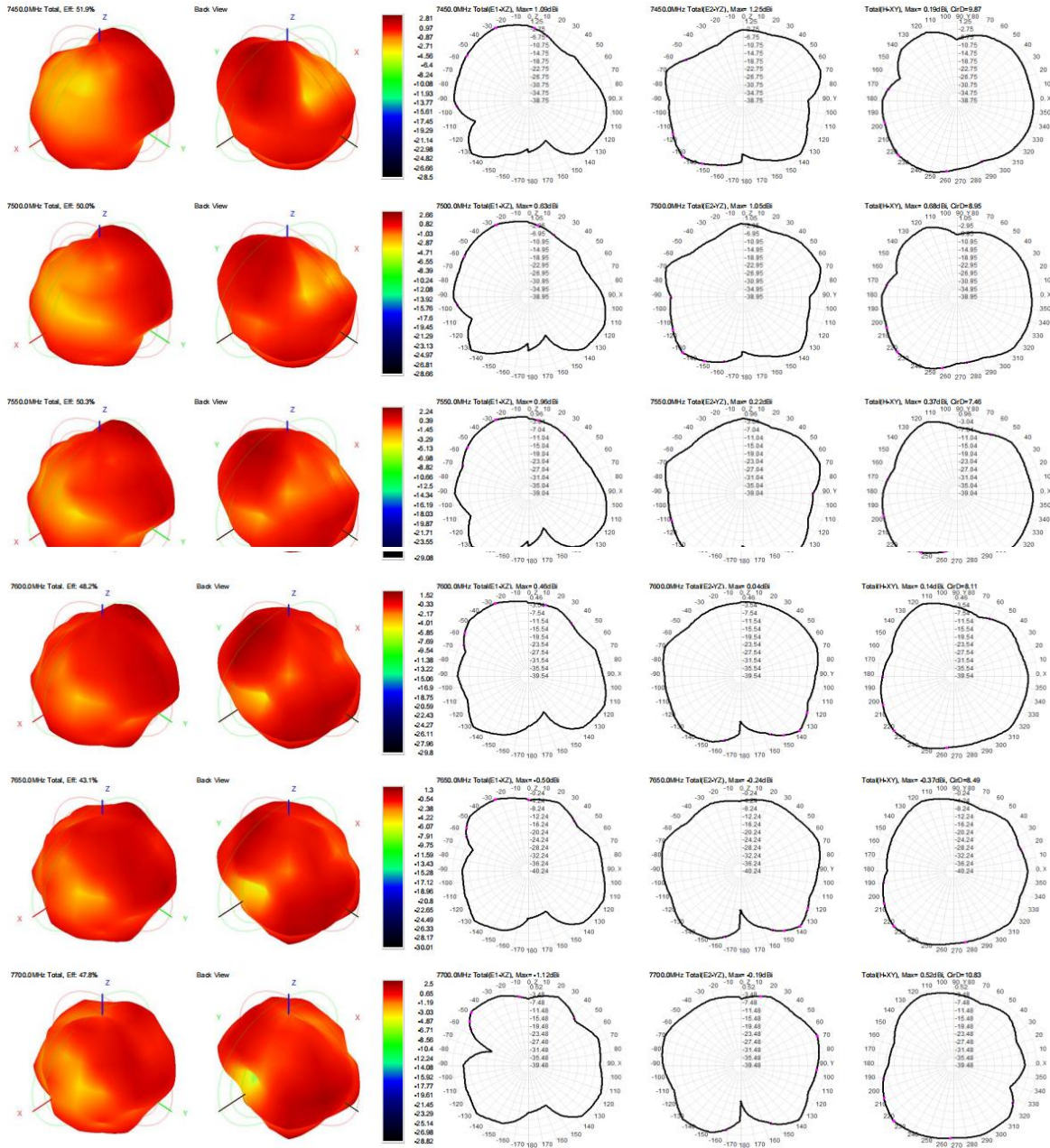
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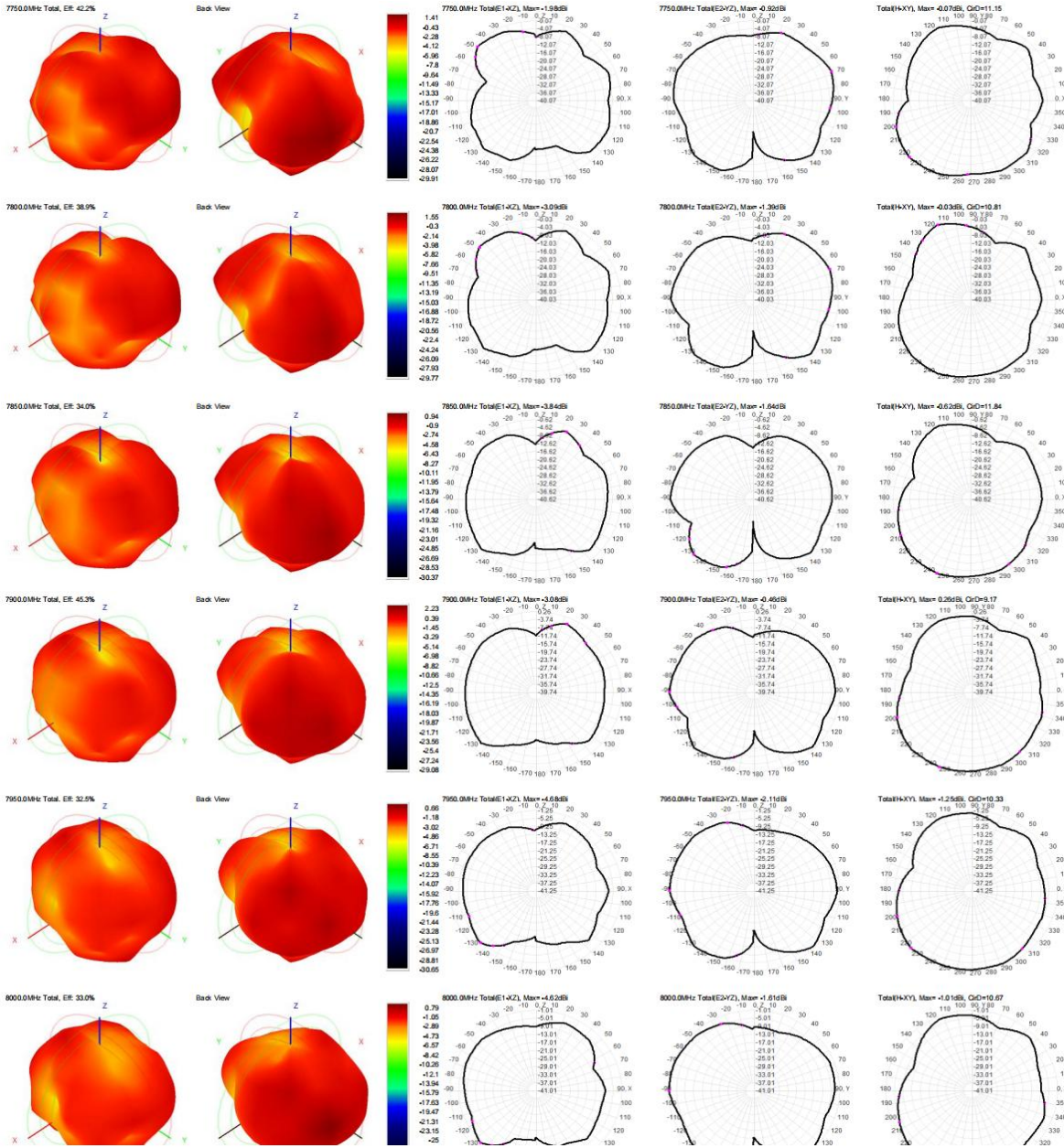


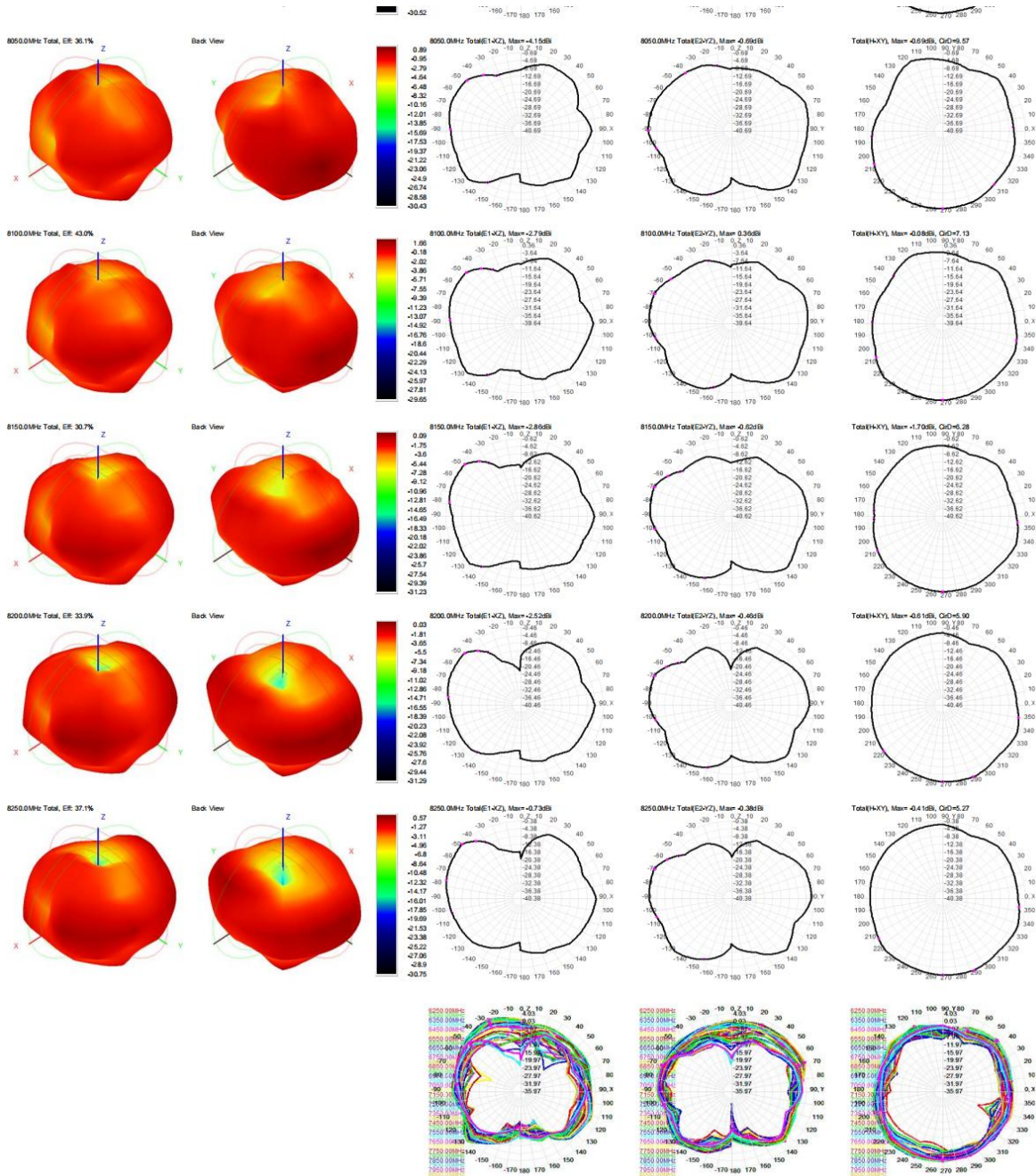












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