



规格书

客户名称: _____

客户料号: _____

科信料号: KX-19.5CM-SMA-J-1

规格描述: 双频大折叠胶棒天线

制作日期: 2024 年 8 月 17 日

出厂确认:

部 门	审 核	批 准
工程部	刘景雄	李斌
工程部	刘景雄	李斌
品质部	王飞	李斌

客户确认:

检 查	审 核	批 准



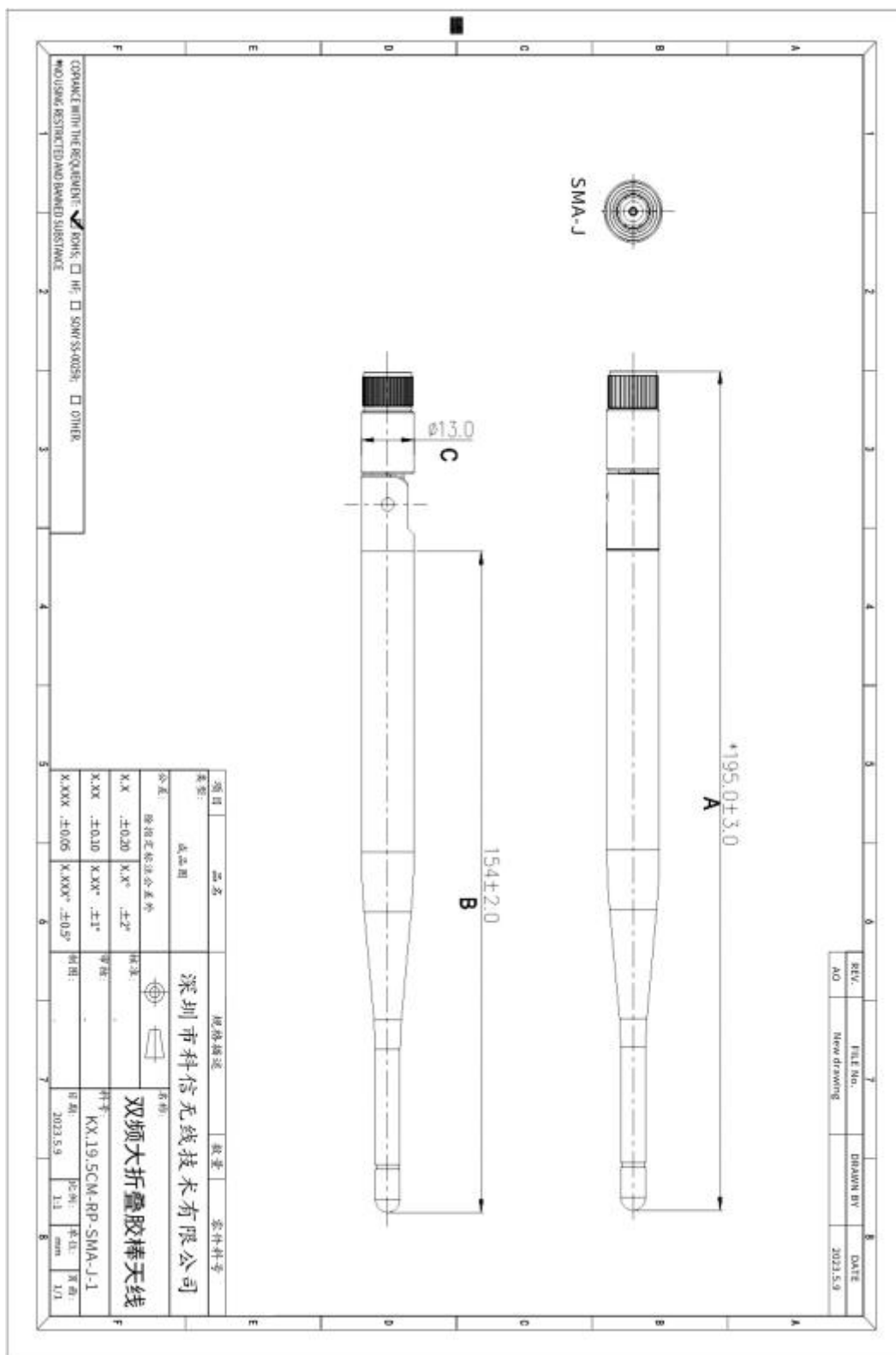
1. Product performance parameters:

电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500/5150-5850MHZ
输入阻抗 Input Impendence (Ω)	50
电压驻波比 V.S.W.R	≤ 1.5 (未匹配设备 仅供参考)
增益 Gain (dbi)	5dbi (未匹配设备 仅供参考)
极化形式 Polarization Type	垂直极化
辐射方向 Radiation Direction	全向 Omni-Directional
通断测试 Continuity Test	通路
机械指标 Mechanical Specifications	
连接器型号 Connect Type	
外壳材质 Radome Material	ABS+TPE
外壳颜色 Radome Color	白色/黑色
天线尺寸 Size (CM)	19.5CM
工作温度 Operating Temp	-35 ~ +80 °C
储存温度 Storage Temp	-35 ~ +80 °C

Manufacturer: Shenzhen Atli Technology Co., Ltd

Manufacturer Address: 5F, Aozhihao Integrated Building, Xinzhou
4th Street, Futian District, Shenzhen, China

2. Product design drawings:

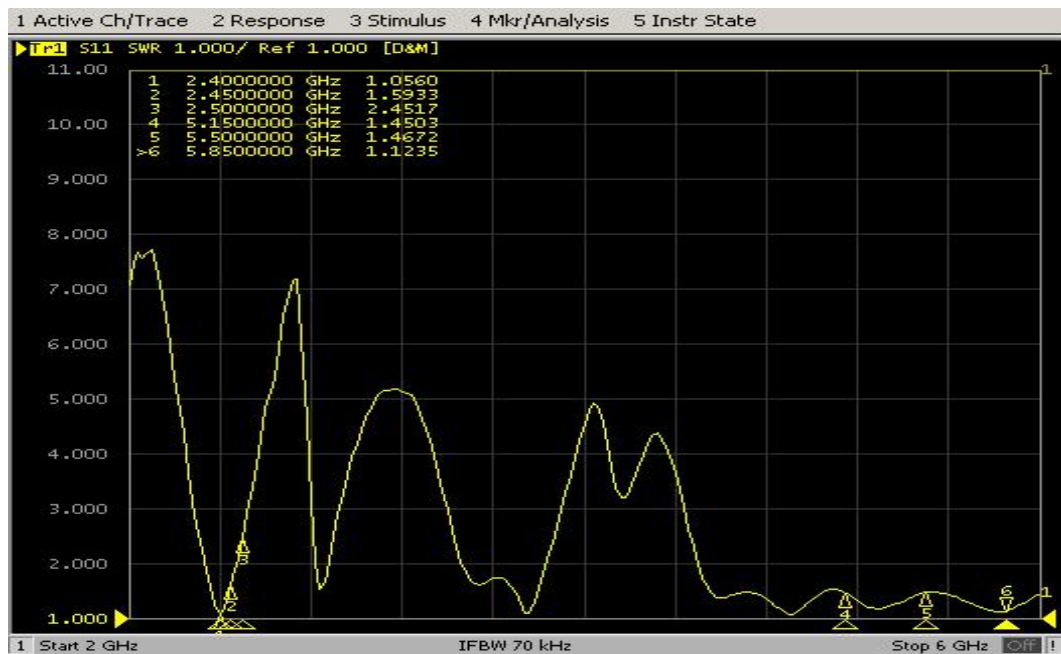


3. Product pictures



4. Electrical performance test report:

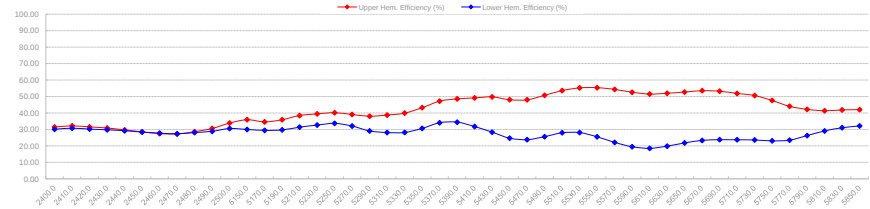
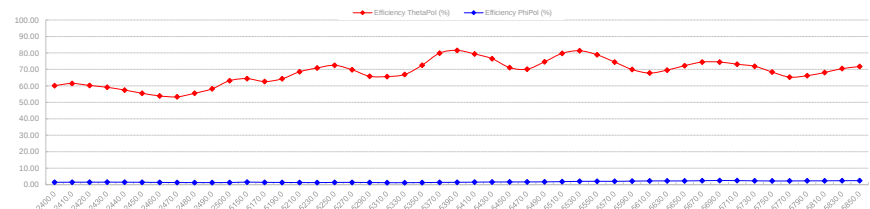
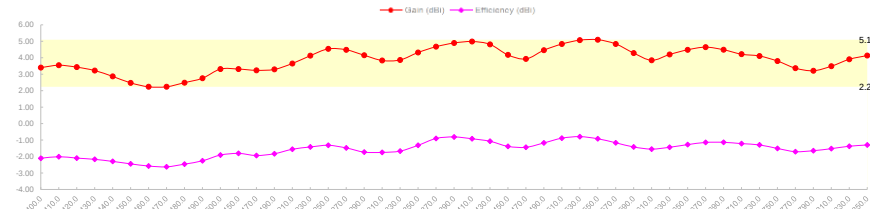
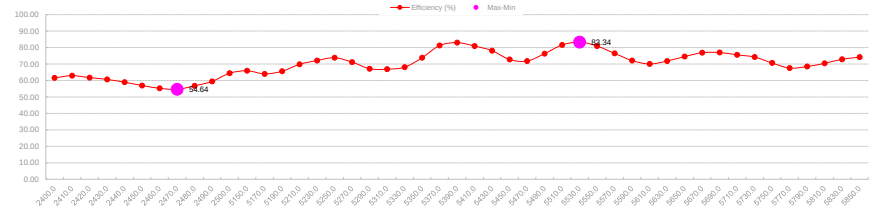
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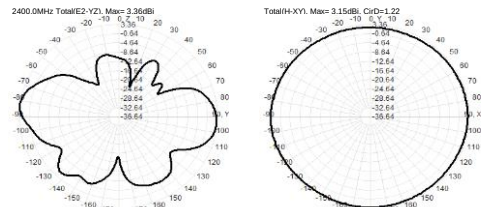
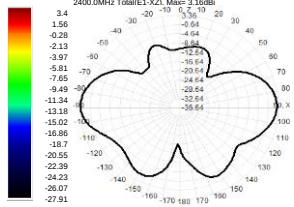
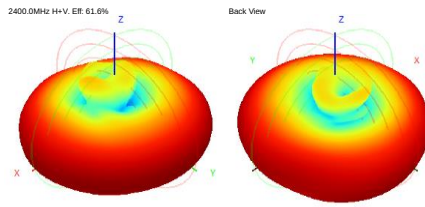




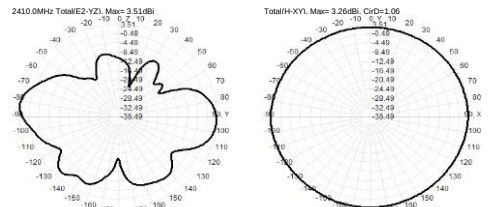
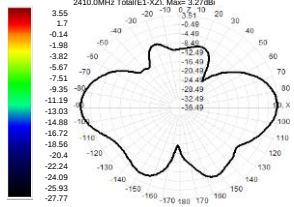
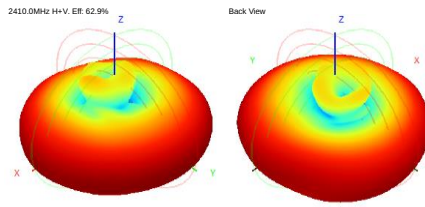
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Frequency (Hz)	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60
Efficiency (dB)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	2510.0	2520.0	2530.0	2540.0	2550.0	2560.0	2570.0	2580.0	2590.0
Gain (dB)	2.10	-2.07	-2.09	-2.17	-2.20	-2.44	-2.58	-2.62	-2.76	-2.91	-3.14	-3.33	-3.51	-3.68	-3.84	-4.00	-4.16	-4.32	-4.47	-4.63
Gain (dB)	3.00	3.55	3.43	3.22	2.84	2.48	2.24	2.24	2.31	2.31	2.34	2.35	2.31	2.28	2.24	2.10	2.00	1.84	1.62	1.34
Directivity (dB)	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
Peak Gain (dB)	5.51	5.54	5.52	5.39	5.16	4.92	4.81	4.86	4.95	5.02	5.22	5.12	5.04	4.95	4.86	4.75	4.62	4.48	4.34	4.14
Peak Gain Position (Theta)	62.05	62.00	62.00	61.85	61.60	61.20	60.80	60.50	60.20	60.00	59.80	59.60	59.40	59.20	59.00	58.80	58.60	58.40	58.20	58.00
Efficiency GainPos (Theta)	85.05	84.80	84.80	83.85	83.00	82.00	81.00	80.00	79.00	78.00	77.00	76.00	75.00	74.00	73.00	72.00	71.00	70.00	69.00	68.00
Peak Gain PosTheta	62.05	61.46	60.24	59.15	57.95	55.52	53.89	53.55	55.48	58.20	63.13	64.37	62.63	64.16	68.56	70.87	72.49	69.78	65.83	65.66
Efficiency GainPosTheta	85.05	84.80	84.80	83.85	83.00	82.00	81.00	80.00	79.00	78.00	77.00	76.00	75.00	74.00	73.00	72.00	71.00	70.00	69.00	68.00
Efficiency PhiPosTheta	3.14	3.49	1.50	1.52	1.59	1.50	1.44	1.38	1.26	1.20	1.19	1.27	1.43	1.53	1.61	1.64	1.65	1.71	1.83	2.00
Lower Hem. Efficiency (%)	30.11	30.77	30.20	29.29	29.22	28.42	27.77	27.36	28.12	28.84	30.55	30.00	29.43	29.73	31.29	32.65	33.68	32.07	29.10	26.13
Lower Hem. Efficiency (%)	30.11	30.77	30.20	29.29	29.22	28.42	27.77	27.36	28.12	28.84	30.55	30.00	29.43	29.73	31.29	32.65	33.68	32.07	29.10	26.13

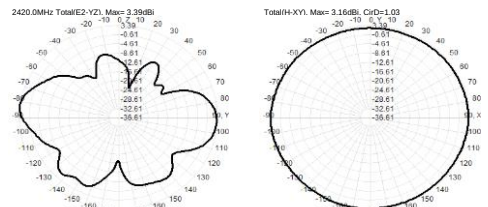
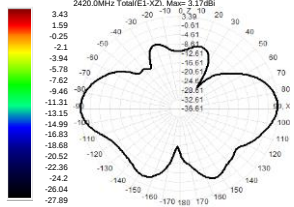
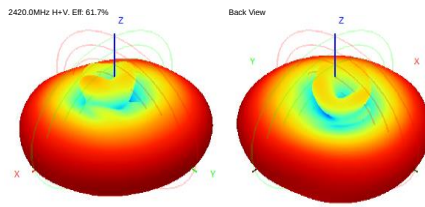
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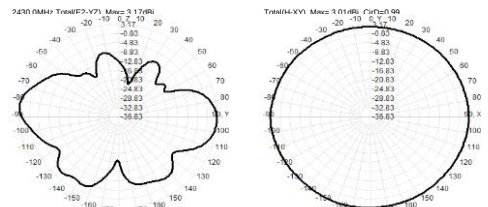
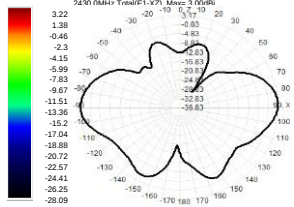
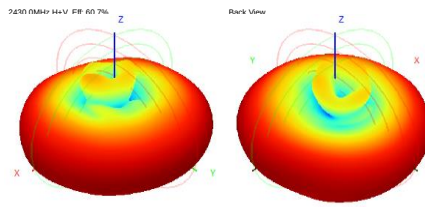
Total(H+V), Max: 3.15dB, Cx/D=1.22



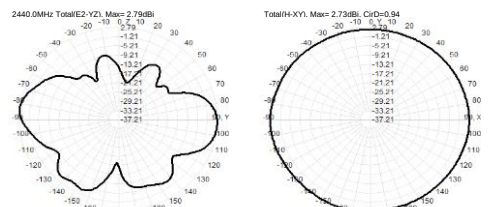
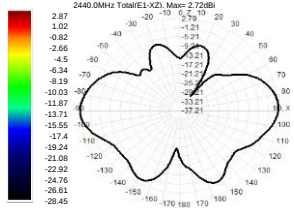
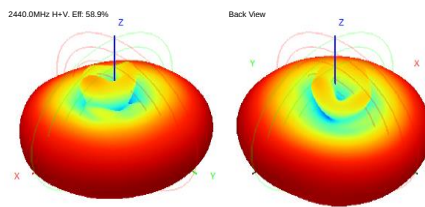
Total(H+V), Max: 3.26dB, Cx/D=1.06



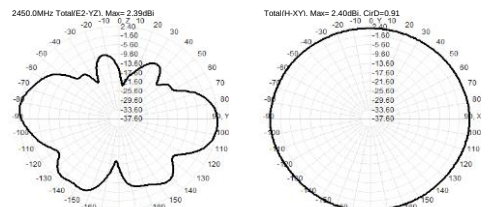
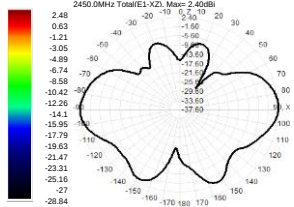
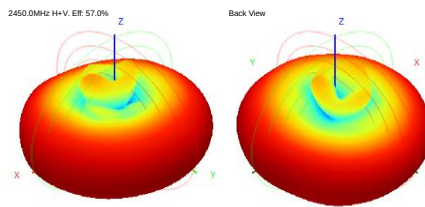
Total(H+V), Max: 3.16dB, Cx/D=1.03



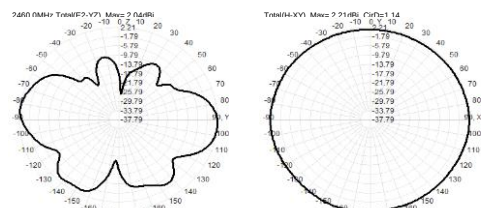
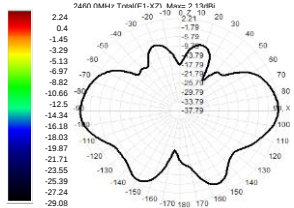
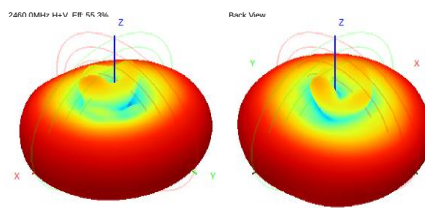
Total(H+V), Max: 3.01dB, Cx/D=0.96



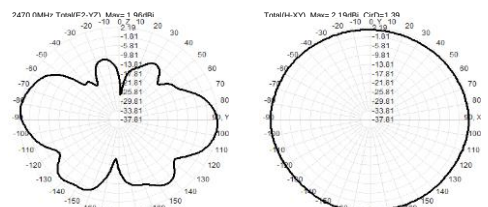
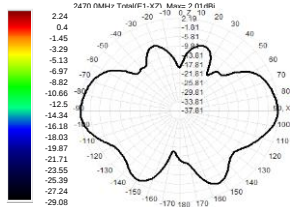
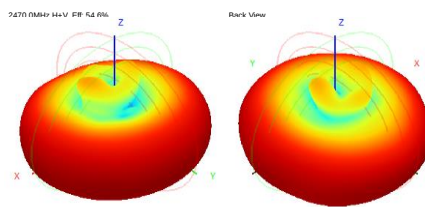
Total(H+V), Max: 2.73dB, Cx/D=0.94



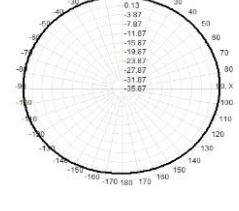
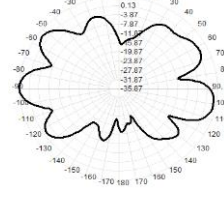
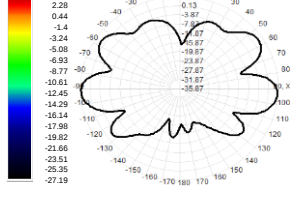
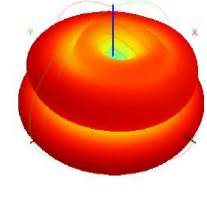
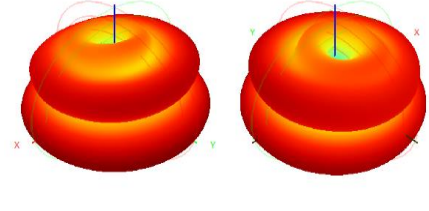
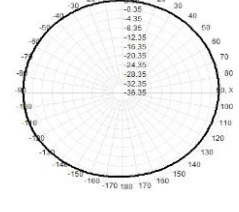
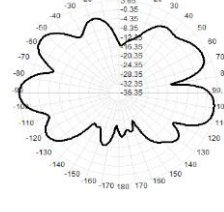
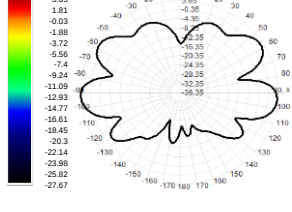
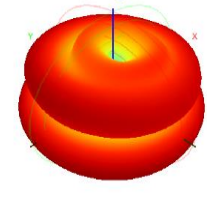
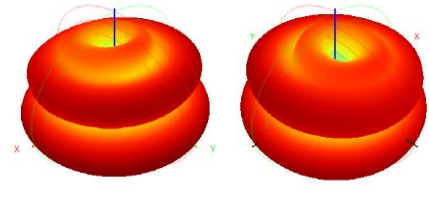
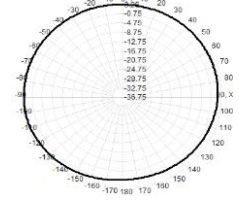
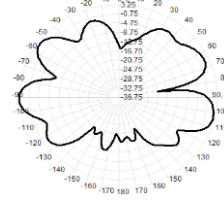
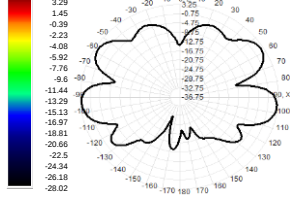
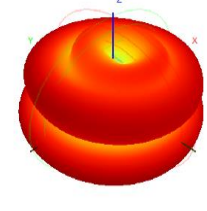
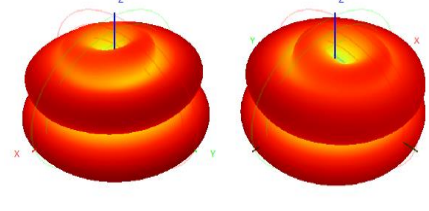
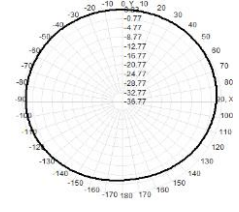
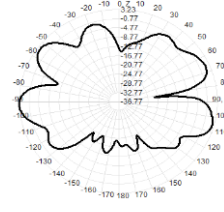
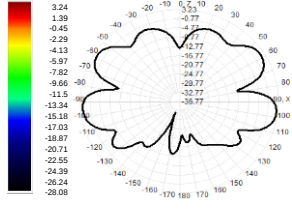
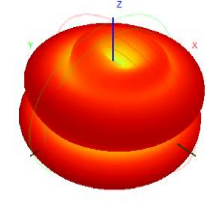
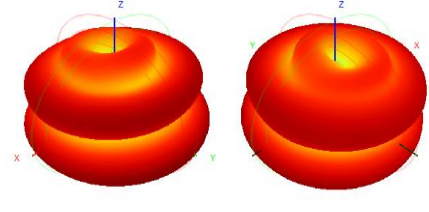
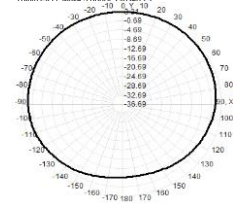
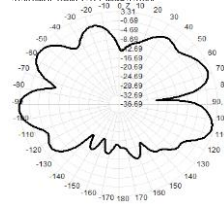
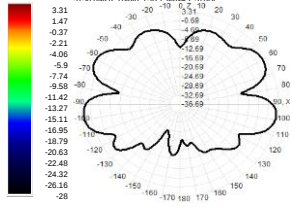
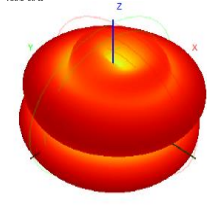
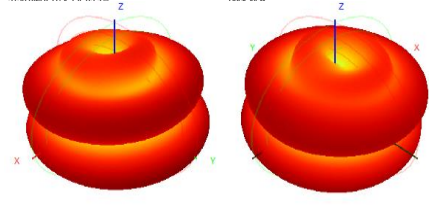
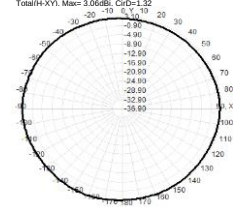
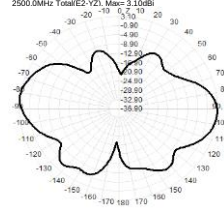
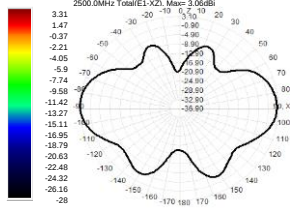
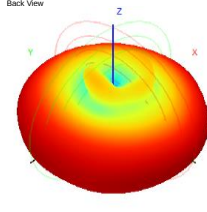
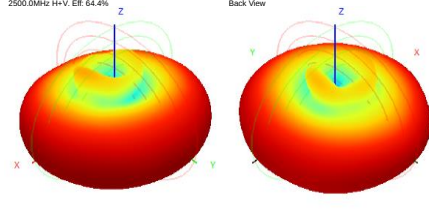
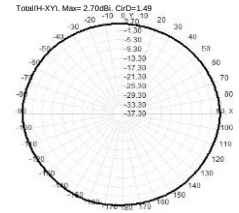
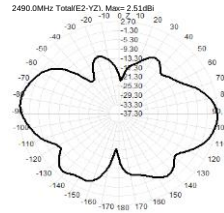
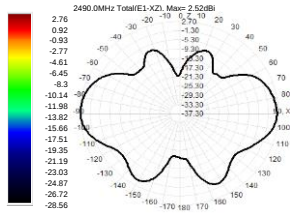
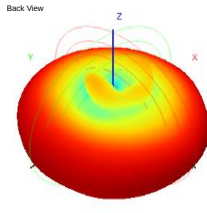
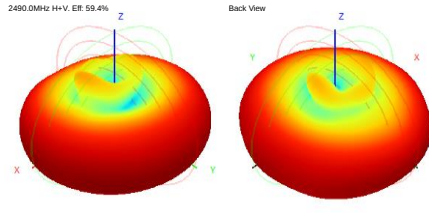
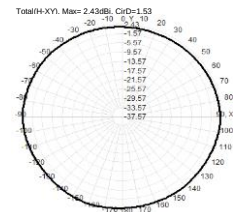
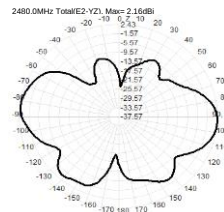
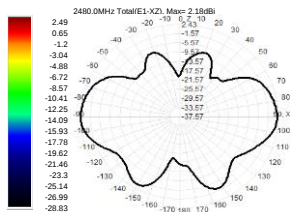
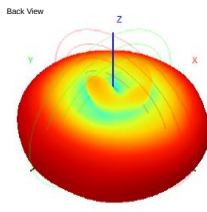
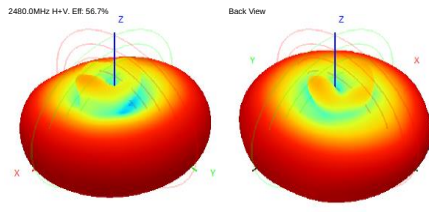
Total(H+V), Max: 2.40dB, Cx/D=0.91

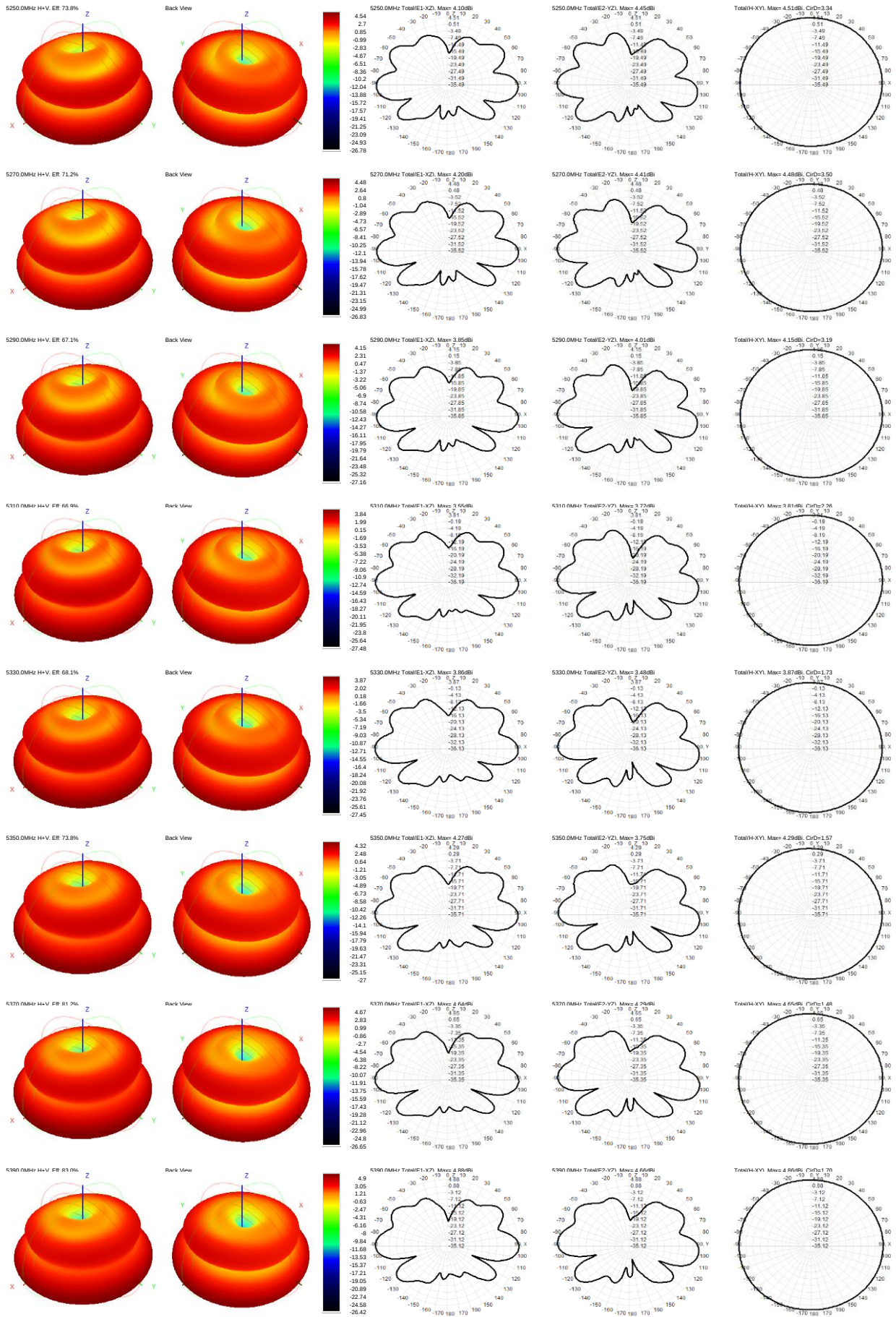


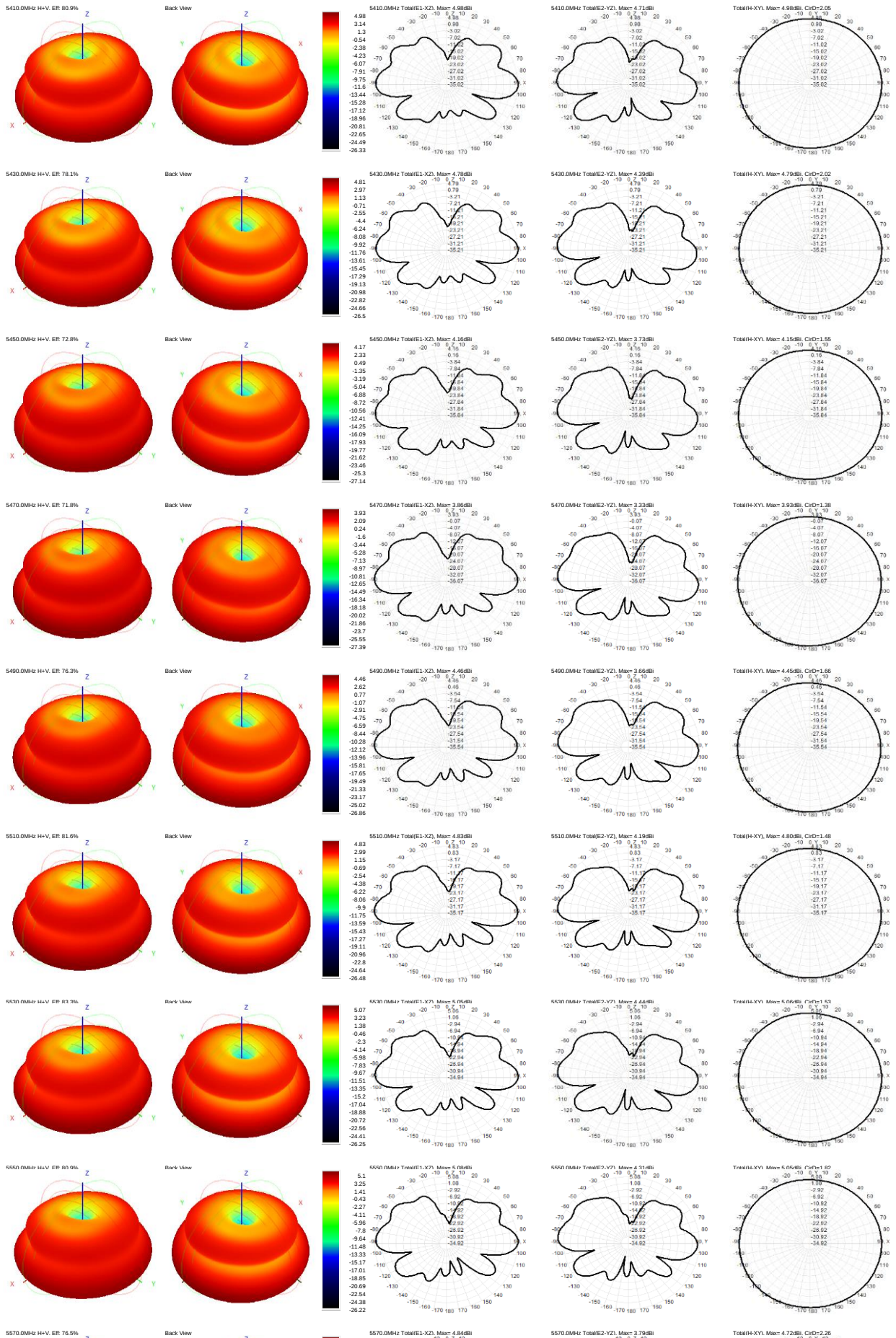
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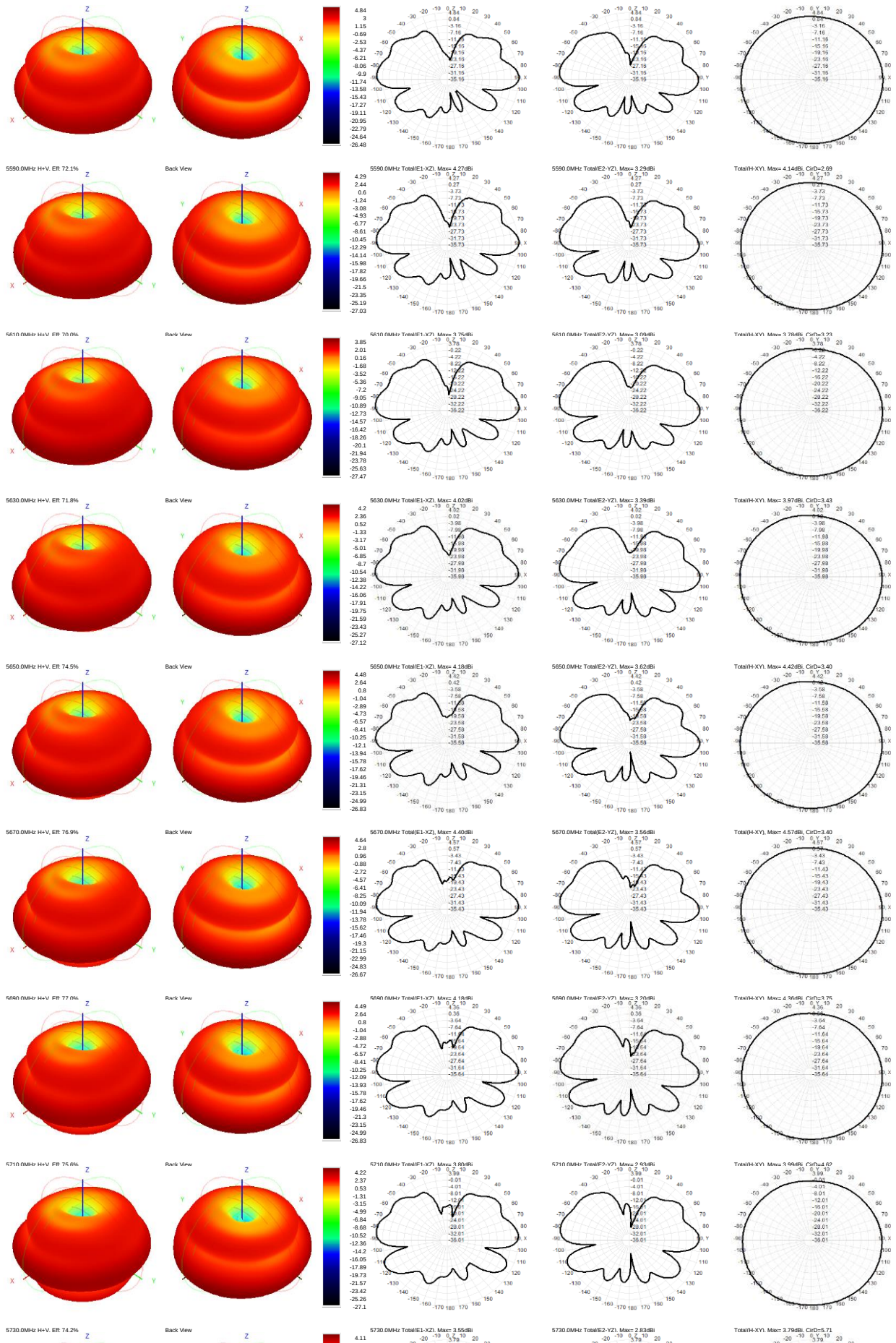


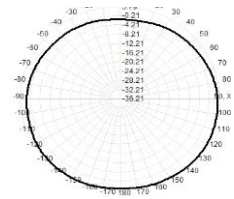
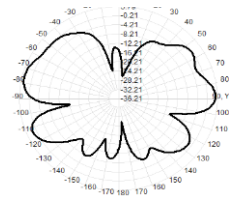
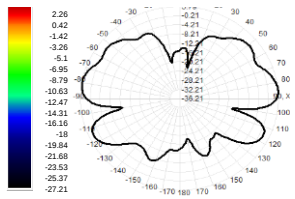
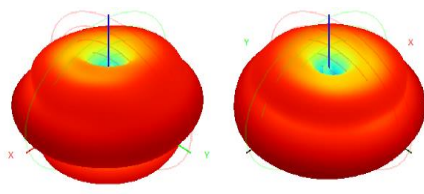
Total(H+V), Max: 2.14dB, Cx/D=1.36





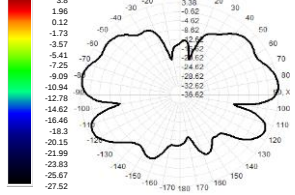
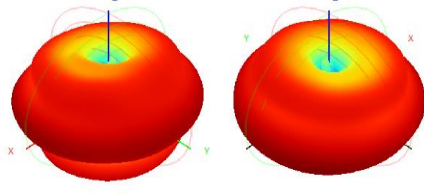






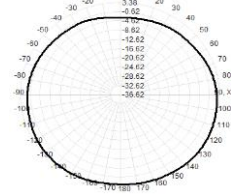
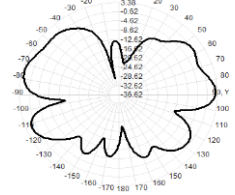
5750.0MHz H+V ER: 70.6%

Back View



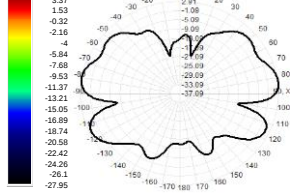
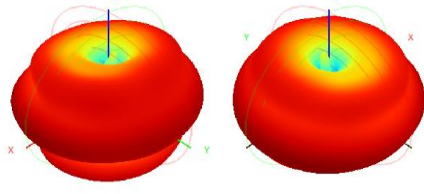
5750.0MHz Total(E2-YZ), Max= 2.51dB

Total(H+V), Max= 3.38dB, Cx/D=6.59



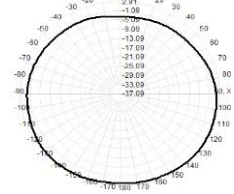
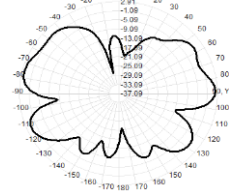
6770.0MHz H+V ER: 67.6%

Back View



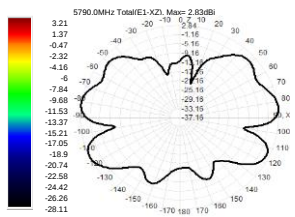
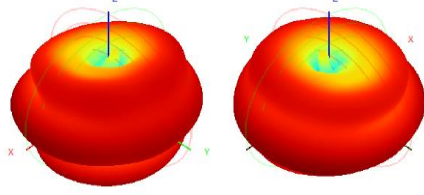
6770.0MHz Total(E2-YZ), Max= 1.95dB

Total(H+V), Max= 2.84dB, Cx/D=6.66



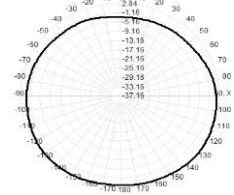
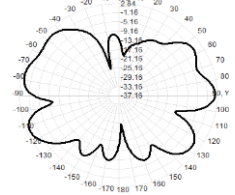
5790.0MHz H+V ER: 68.5%

Back View



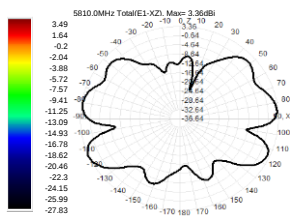
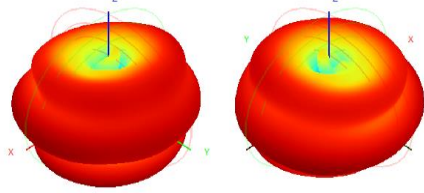
5790.0MHz Total(E2-YZ), Max= 1.65dB

Total(H+V), Max= 2.84dB, Cx/D=5.98



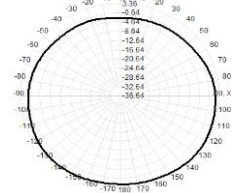
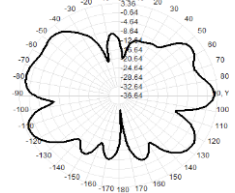
5810.0MHz H+V ER: 70.4%

Back View



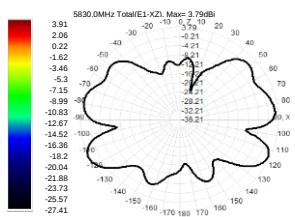
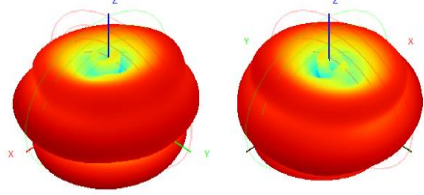
5810.0MHz Total(E2-YZ), Max= 2.08dB

Total(H+V), Max= 2.92dB, Cx/D=5.87



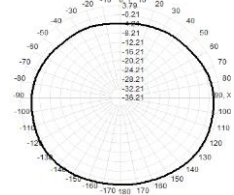
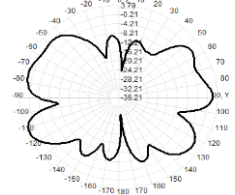
5830.0MHz H+V ER: 72.9%

Back View



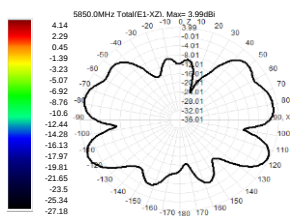
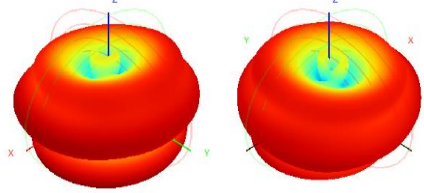
5830.0MHz Total(E2-YZ), Max= 2.61dB

Total(H+V), Max= 2.71dB, Cx/D=6.80



5850.0MHz H+V ER: 74.2%

Back View



5850.0MHz Total(E2-YZ), Max= 2.89dB

Total(H+V), Max= 2.12dB, Cx/D=8.45

