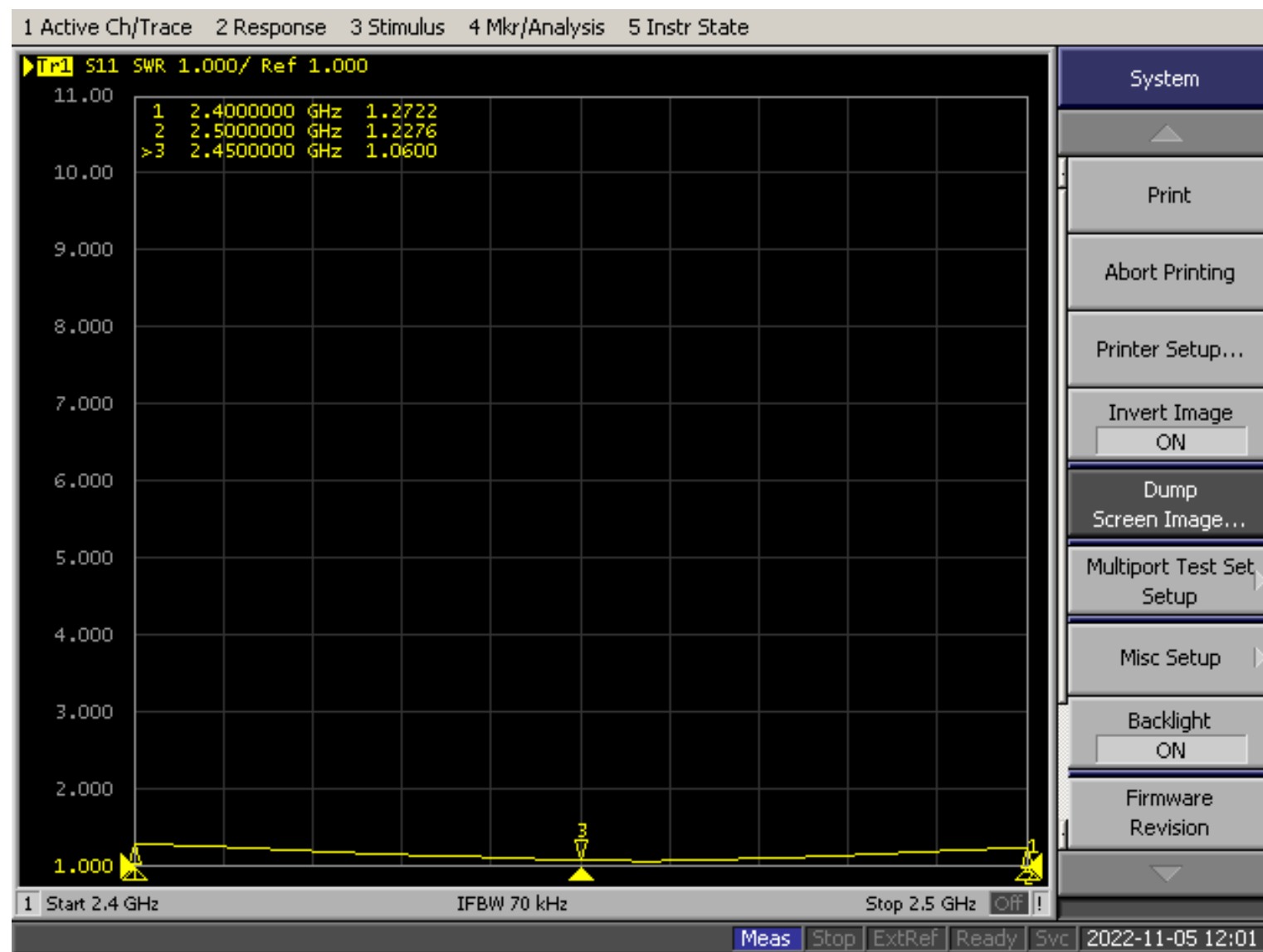
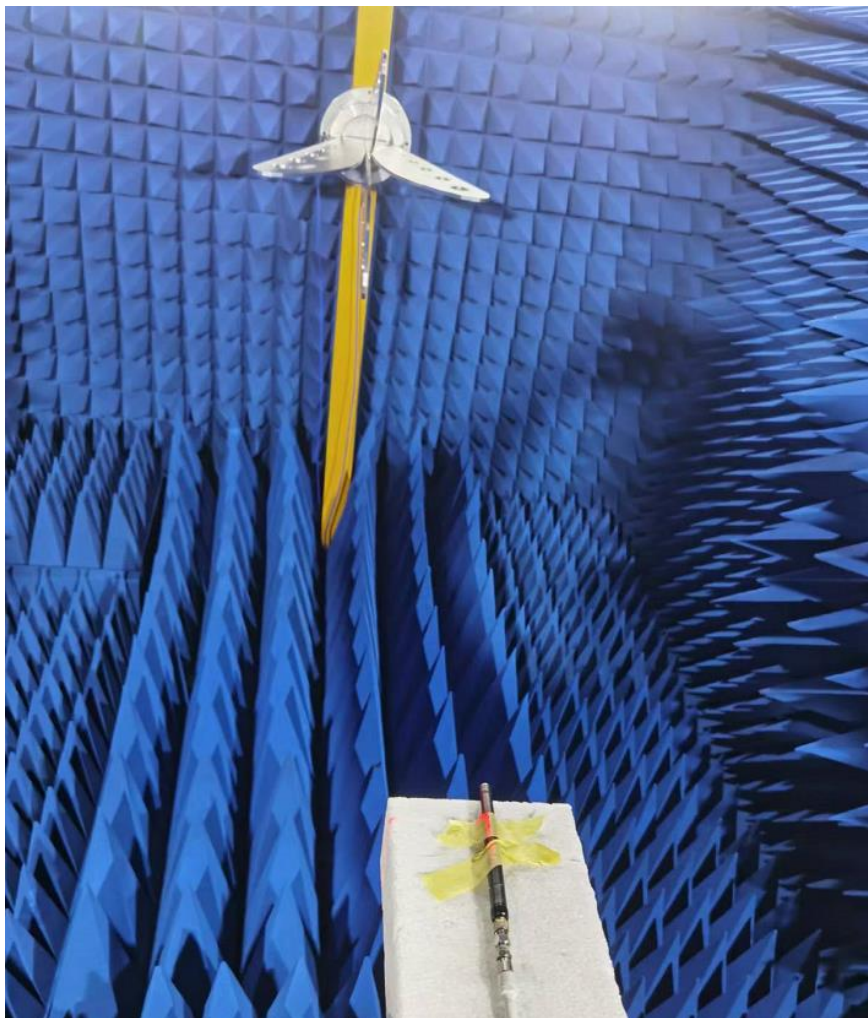


72000076 天线测试报告

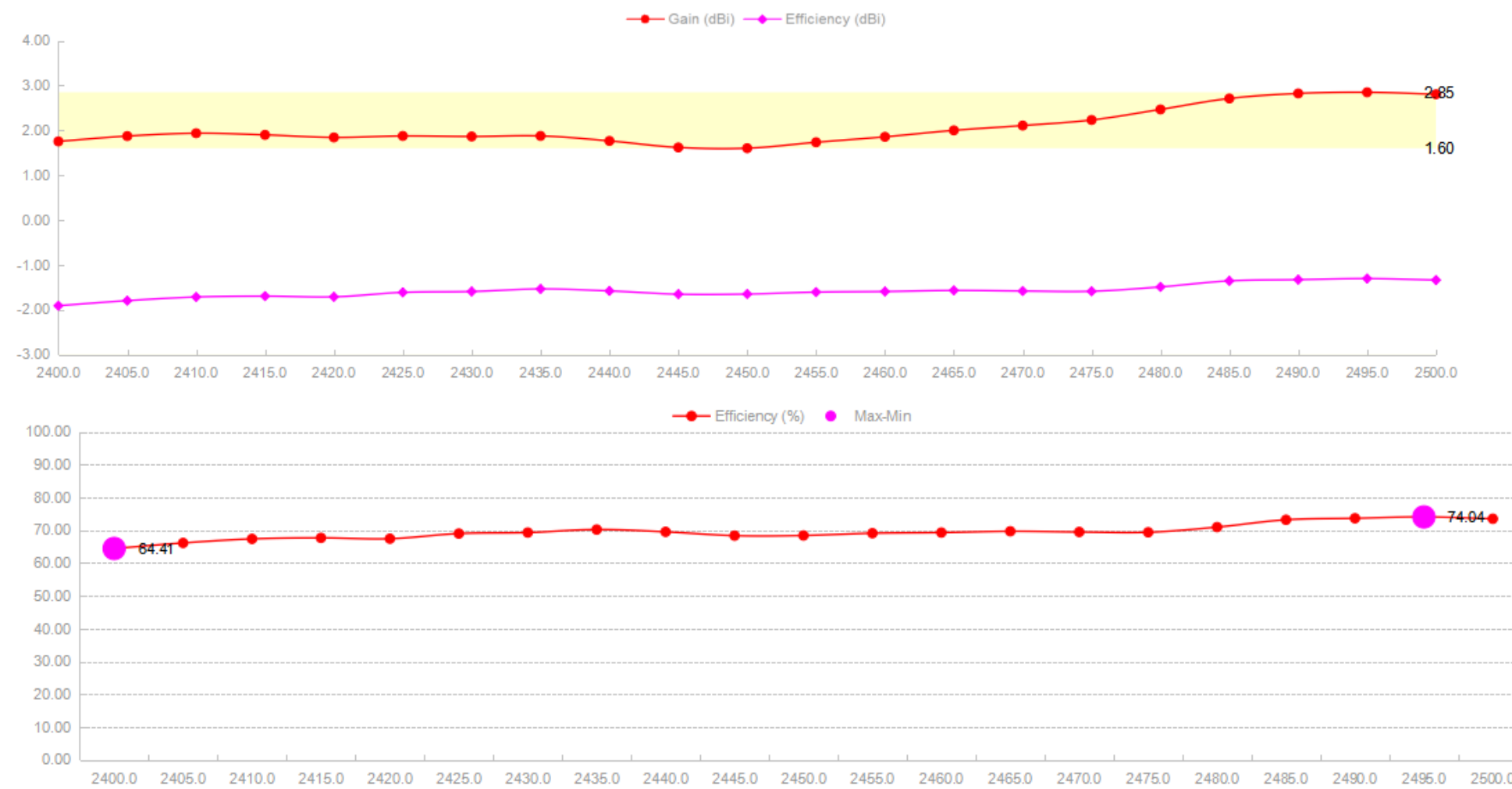
1. 天线驻波比测试



2. 天线暗室测试报告



Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Frequency (MHz)	2400.0	2405.0	2410.0	2415.0	2420.0	2425.0	2430.0	2435.0	2440.0	2445.0	2450.0	2455.0	2460.0	2465.0	2470.0	2475.0	2480.0	2485.0	2490.0	2495.0	2500.0
Efficiency (dBi)	-1.91	-1.80	-1.72	-1.70	-1.71	-1.61	-1.59	-1.54	-1.58	-1.65	-1.65	-1.61	-1.59	-1.57	-1.58	-1.59	-1.49	-1.36	-1.33	-1.31	-1.34
Gain (dBi)	1.75	1.87	1.94	1.90	1.84	1.88	1.86	1.88	1.77	1.62	1.60	1.73	1.86	2.00	2.11	2.23	2.47	2.71	2.82	2.85	2.81
Efficiency (%)	64.41	66.10	67.34	67.65	67.40	68.97	69.27	70.19	69.48	68.33	68.38	69.07	69.27	69.66	69.45	69.36	70.93	73.16	73.63	74.04	73.48
Directivity (dB)	3.67	3.67	3.65	3.60	3.56	3.49	3.46	3.41	3.35	3.27	3.25	3.34	3.45	3.57	3.69	3.82	3.96	4.07	4.15	4.16	4.14
Peak Gain Position (Theta)	150.00	150.00	150.00	150.00	150.00	60.00	45.00	45.00	45.00	45.00	45.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
Peak Gain Position (Phi)	225.00	225.00	225.00	225.00	225.00	150.00	195.00	195.00	195.00	195.00	195.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
Efficiency ThetaPol (%)	53.45	55.30	56.48	56.58	56.07	57.68	58.43	59.60	58.78	57.61	57.86	58.94	59.68	60.13	59.67	59.41	61.23	63.83	64.61	64.97	64.56
Efficiency PhiPol (%)	10.96	10.80	10.86	11.06	11.33	11.29	10.84	10.59	10.70	10.73	10.52	10.13	9.59	9.53	9.78	9.95	9.70	9.33	9.02	9.07	8.92
Upper Hem. Efficiency (%)	34.16	35.38	36.25	36.55	36.52	37.59	38.00	38.76	38.53	38.09	38.45	39.29	39.86	40.41	40.51	40.68	41.90	43.49	43.94	44.22	43.88
Lower Hem. Efficiency (%)	30.25	30.72	31.09	31.10	30.87	31.38	31.28	31.43	30.96	30.24	29.93	29.78	29.41	29.25	28.94	28.68	29.03	29.67	29.69	29.82	29.60



No.	Modification	modification date
1		
2		

No:72000076 External antenna

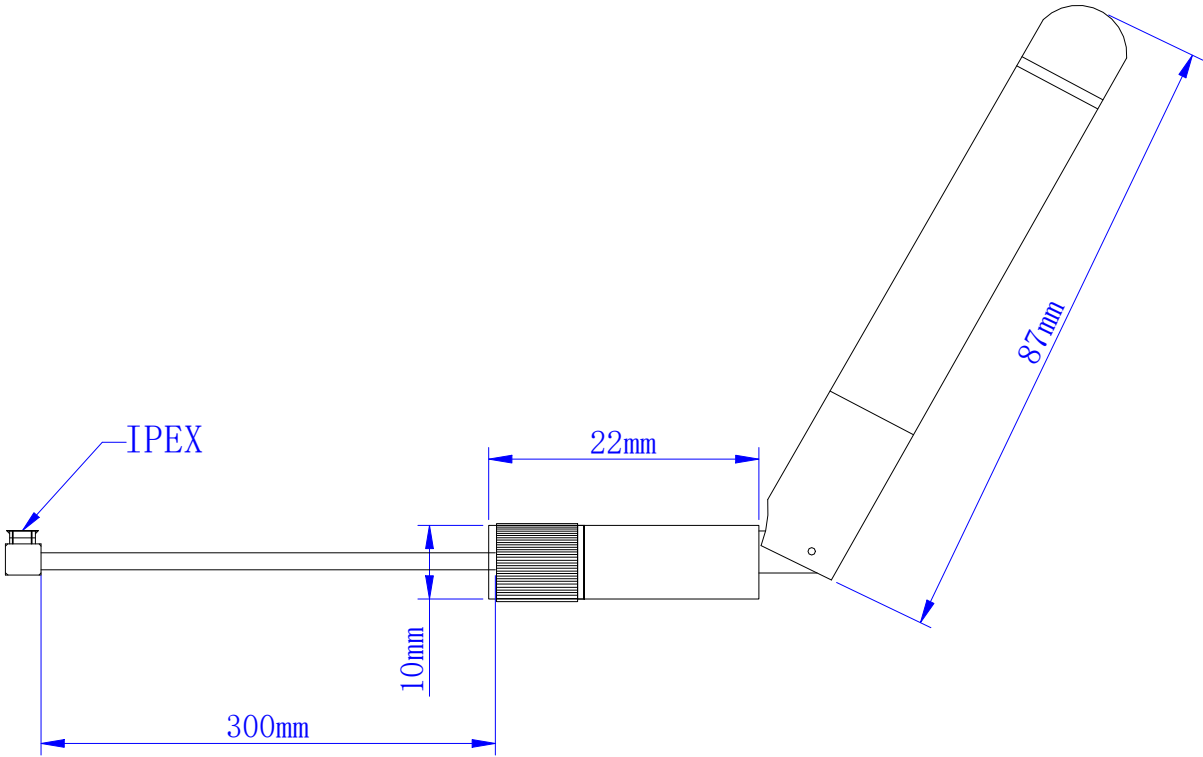
Specification description

quantity

RG1.13 A gray wire with an input impedance of 50 Ω, a 300MM long connecting wire, one end with an IPEX plug, and the other end with a nut and gasket.

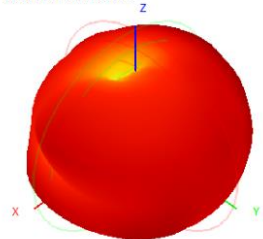
1

- Electrical performance:
- 1. Frequency Range: 2400–2500MHz
 - 2. Antenna Gain: 1.75~2.81dBi
 - 3. Operating temperature: -20℃ to 85℃
 - 4. Degree of protection: IP20

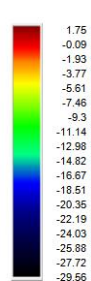
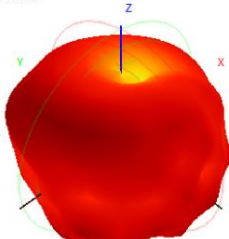


Controlled original/copy:	Company seal:	approval		size	MM
		examine	黄集胜	22. 11. 05	page 1
		author	刘家俊	22. 11. 05	Revision V1

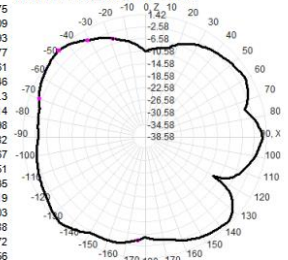
2400.0MHz H+V, Eff: 64.4%



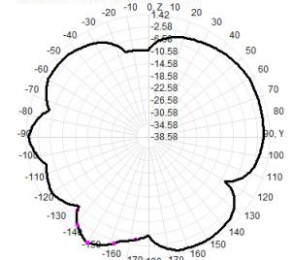
Back View



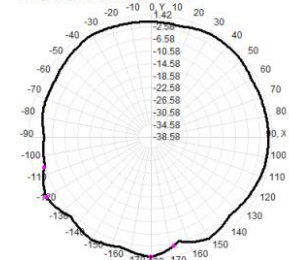
2400.0MHz Total(E1-XZ), Max= 1.42dBi



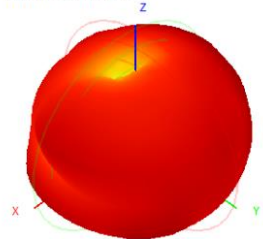
2400.0MHz Total(E2-YZ), Max= 1.42dBi



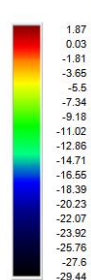
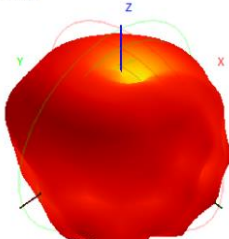
Total(H+V), Max= 0.84dBi, CirD=4.59



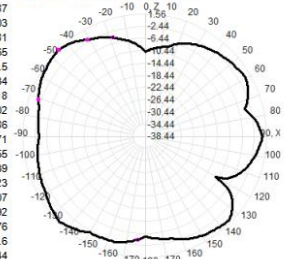
2405.0MHz H+V, Eff: 66.1%



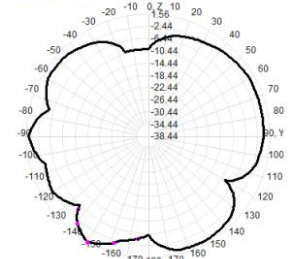
Back View



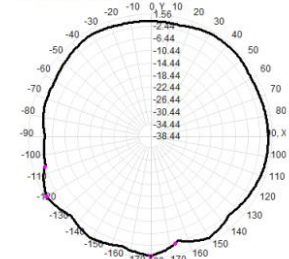
2405.0MHz Total(E1-XZ), Max= 1.56dBi



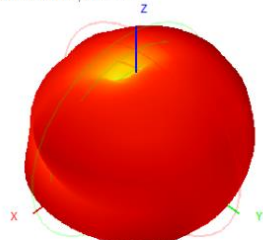
2405.0MHz Total(E2-YZ), Max= 1.40dBi



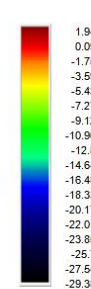
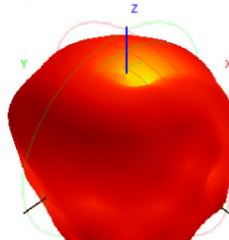
Total(H+V), Max= 0.89dBi, CirD=4.69



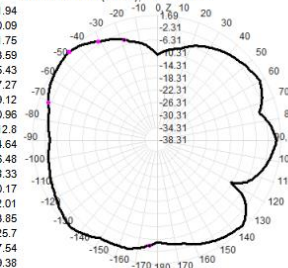
2410.0MHz H+V, Eff: 67.3%



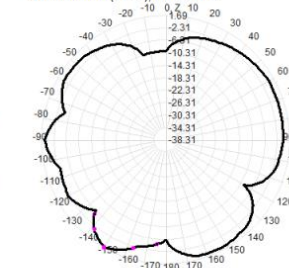
Back View



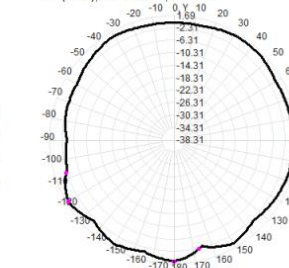
2410.0MHz Total(E1-XZ), Max= 1.69dBi



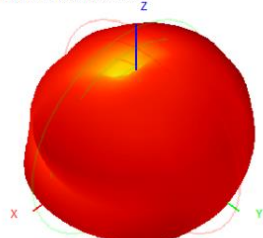
2410.0MHz Total(E2-YZ), Max= 1.33dBi



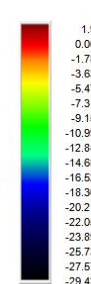
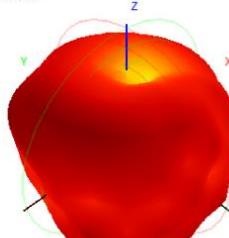
Total(H+V), Max= 0.88dBi, CirD=4.83



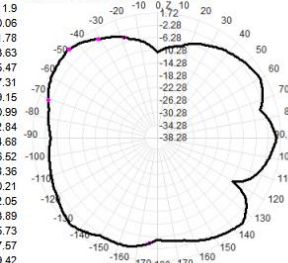
2415.0MHz H+V, Eff: 67.6%



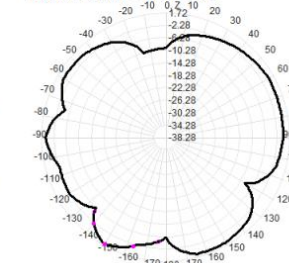
Back View



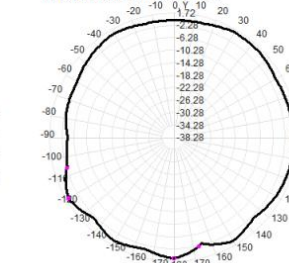
2415.0MHz Total(E1-XZ), Max= 1.72dBi



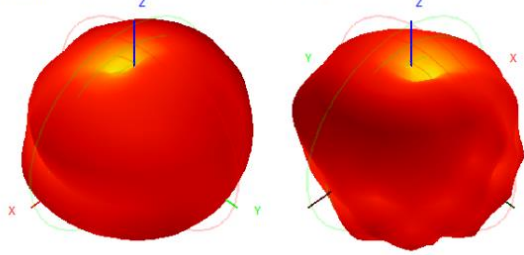
2415.0MHz Total(E2-YZ), Max= 1.20dBi



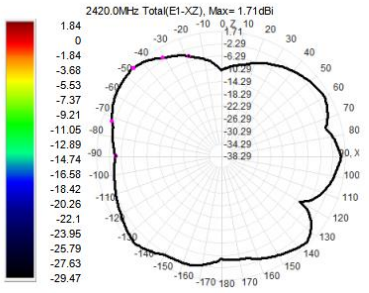
Total(H+V), Max= 0.78dBi, CirD=4.93



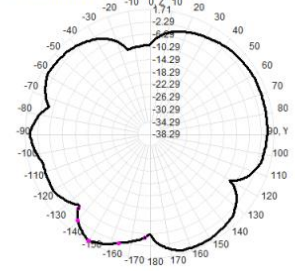
2420.0MHz H+V, Eff: 67.4%



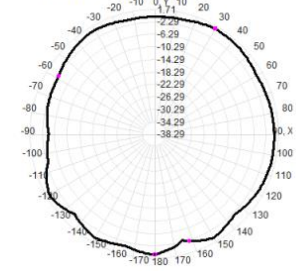
Back View



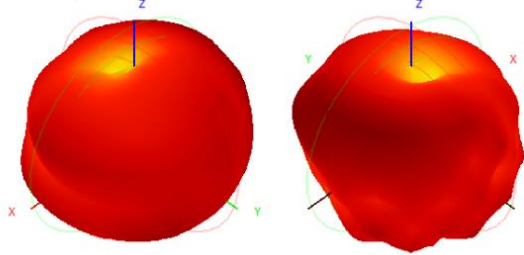
2420.0MHz Total(E2-YZ), Max=1.04dBi



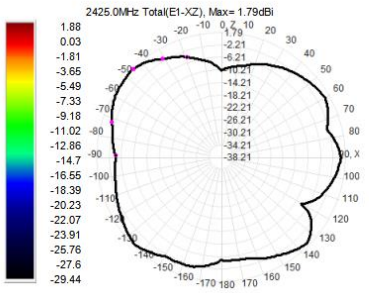
Total(H-XY), Max=0.69dBi, CirD=5.04



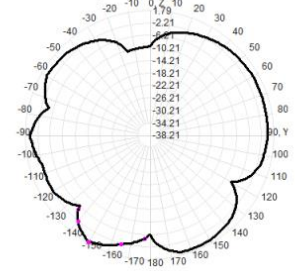
2425.0MHz H+V, Eff: 69.0%



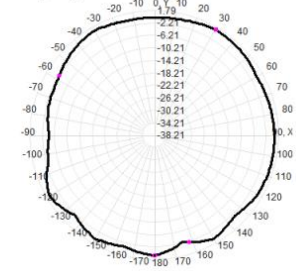
Back View



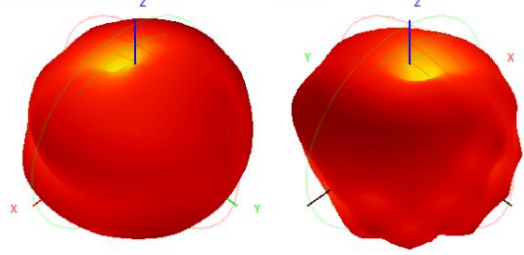
2425.0MHz Total(E2-YZ), Max=1.10dBi



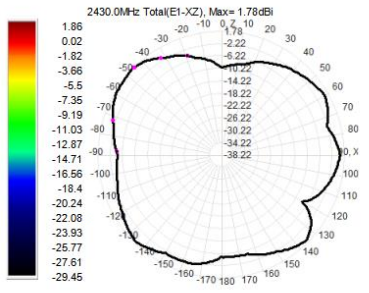
Total(H-XY), Max=0.88dBi, CirD=5.34



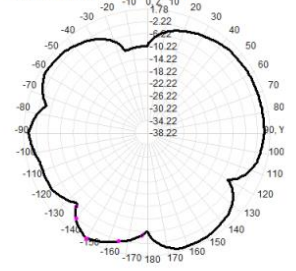
2430.0MHz H+V, Eff: 69.3%



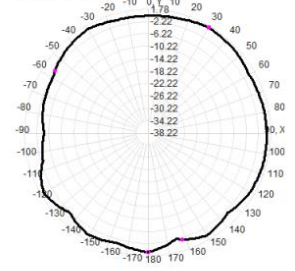
Back View



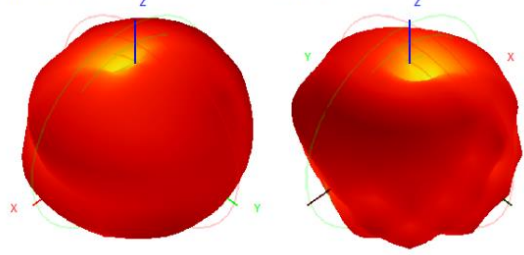
2430.0MHz Total(E2-YZ), Max=1.05dBi



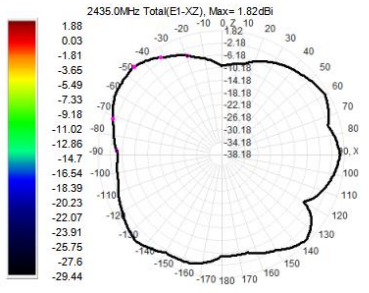
Total(H-XY), Max=1.03dBi, CirD=5.69



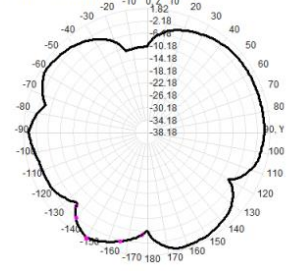
2435.0MHz H+V, Eff: 70.2%



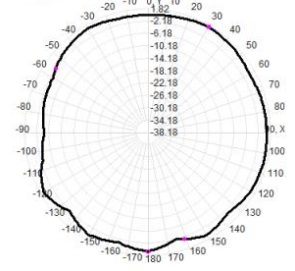
Back View



2435.0MHz Total(E2-YZ), Max=1.08dBi

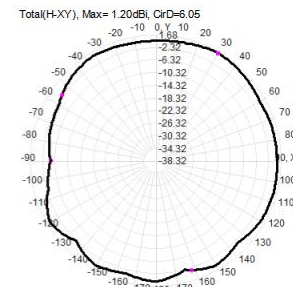
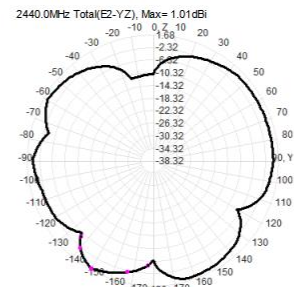
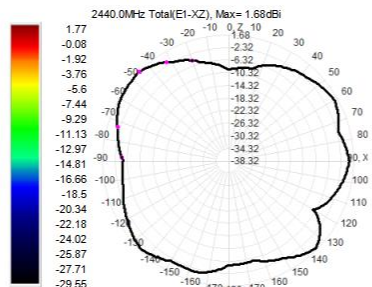
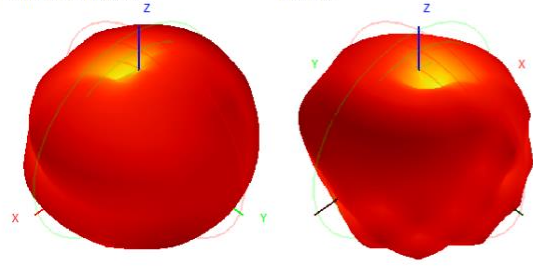


Total(H-XY), Max=1.19dBi, CirD=5.90



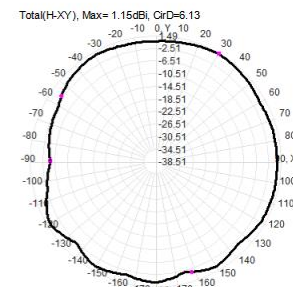
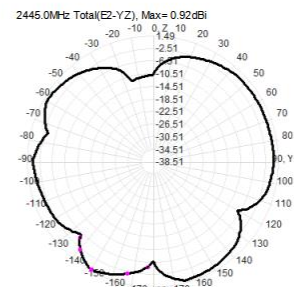
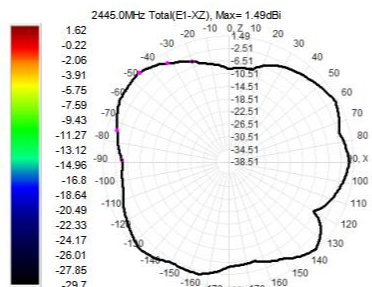
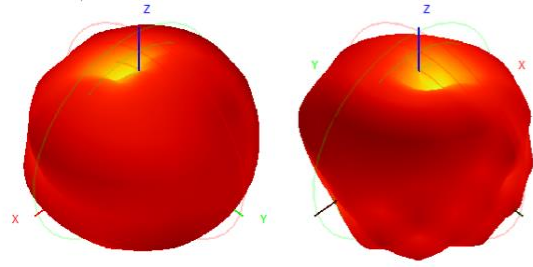
2440.0MHz H+V, Eff: 69.5%

Back View



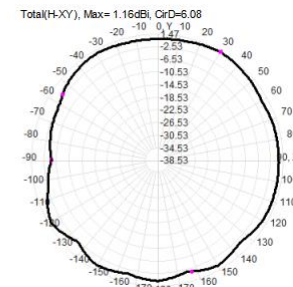
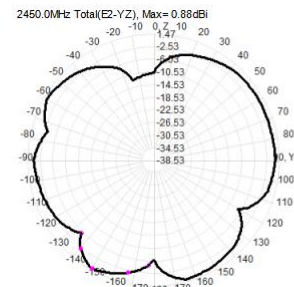
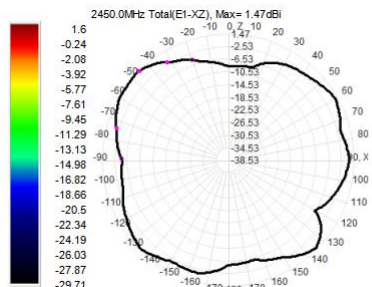
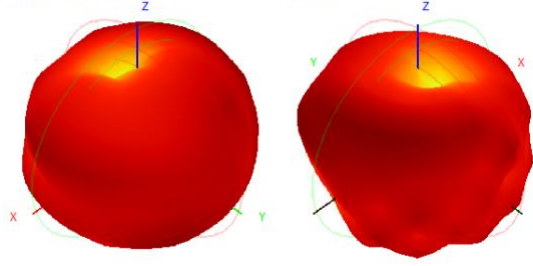
2445.0MHz H+V, Eff: 68.3%

Back View



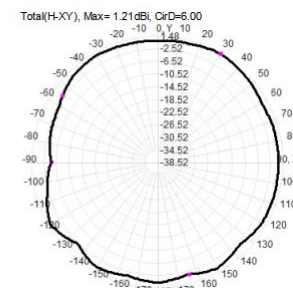
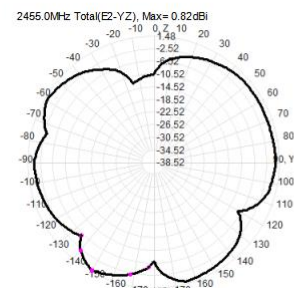
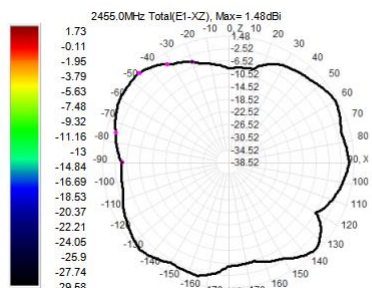
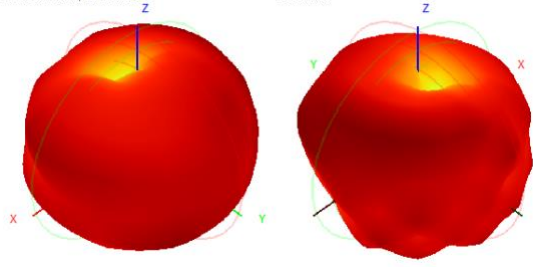
2450.0MHz H+V, Eff: 68.4%

Back View

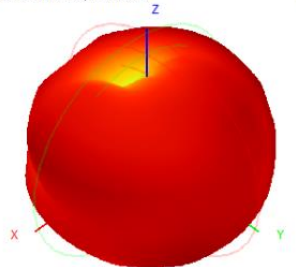


2455.0MHz H+V, Eff: 69.1%

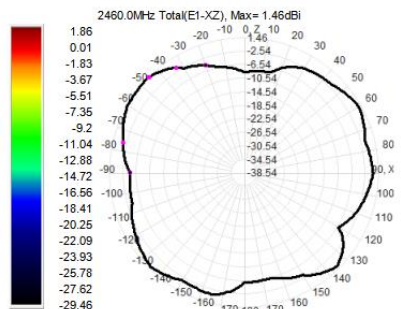
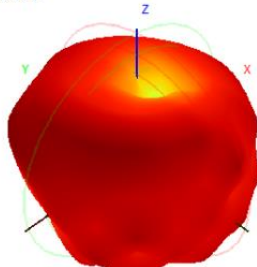
Back View



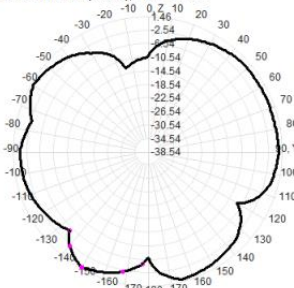
2460.0MHz H+V, Eff: 69.3%



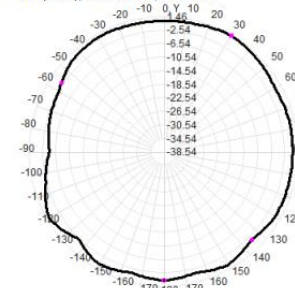
Back View



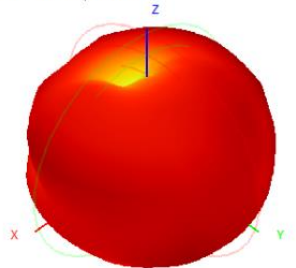
2460.0MHz Total(E2-YZ), Max=0.75dBi



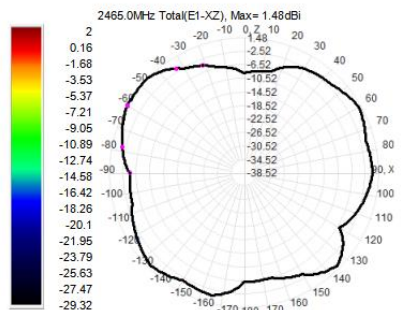
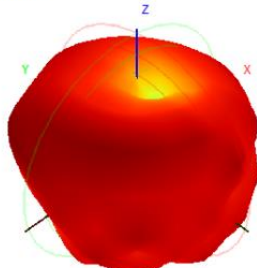
Total(H-XY), Max=1.20dBi, CirD=5.92



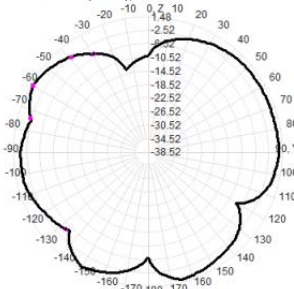
2465.0MHz H+V, Eff: 69.7%



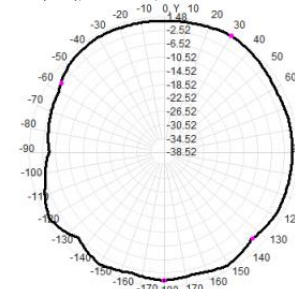
Back View



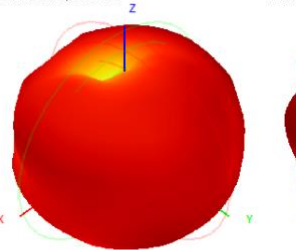
2465.0MHz Total(E2-YZ), Max=0.84dBi



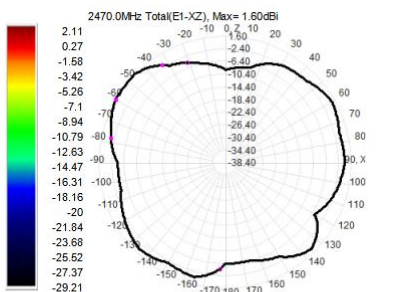
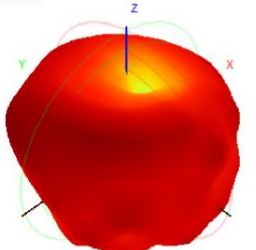
Total(H-XY), Max=1.22dBi, CirD=5.80



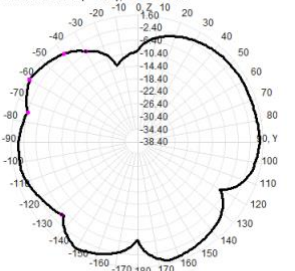
2470.0MHz H+V, Eff: 69.4%



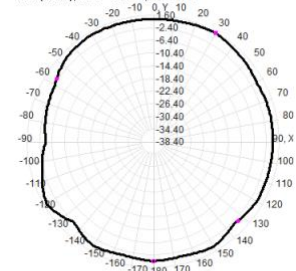
Back View



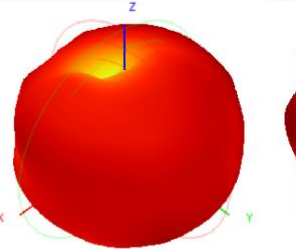
2470.0MHz Total(E2-YZ), Max=0.84dBi



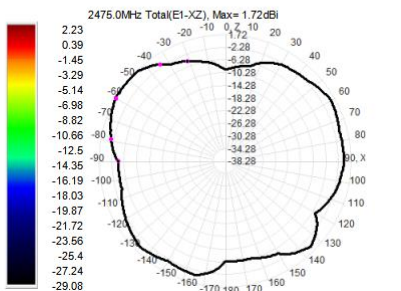
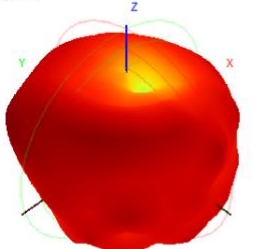
Total(H-XY), Max=1.15dBi, CirD=5.55



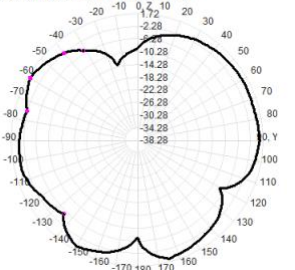
2475.0MHz H+V, Eff: 69.4%



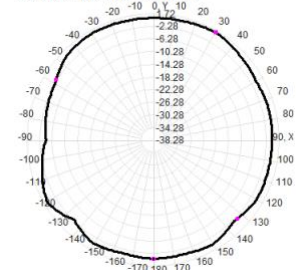
Back View



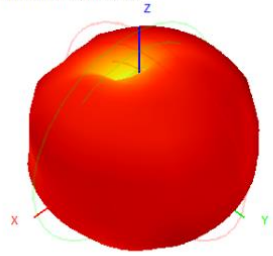
2475.0MHz Total(E2-YZ), Max=0.85dBi



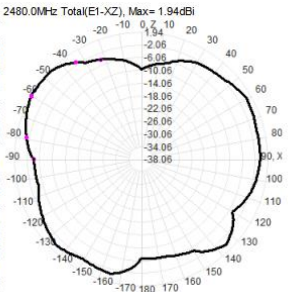
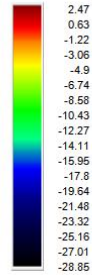
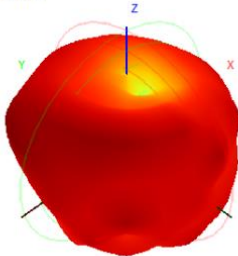
Total(H-XY), Max=1.08dBi, CirD=5.43



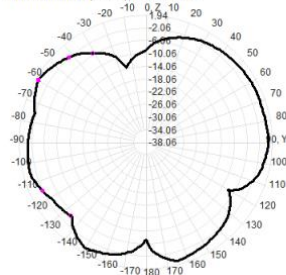
2480.0MHz H+V, Eff: 70.9%



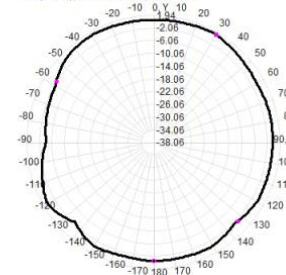
Back View



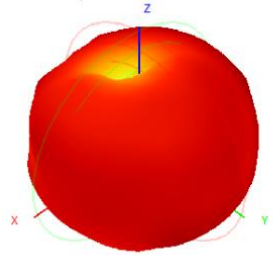
2480.0MHz Total(E2-YZ), Max= 1.02dBi



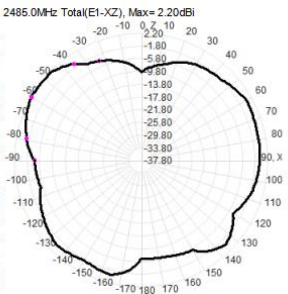
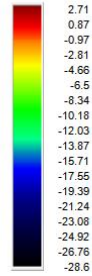
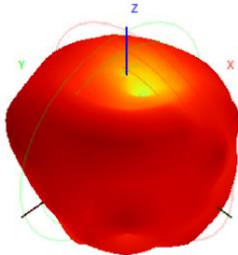
Total(H-XY), Max= 1.16dBi, CrD=5.41



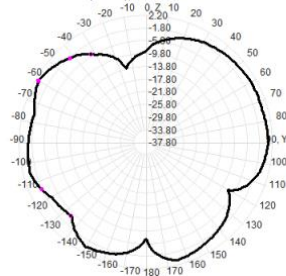
2485.0MHz H+V, Eff: 73.2%



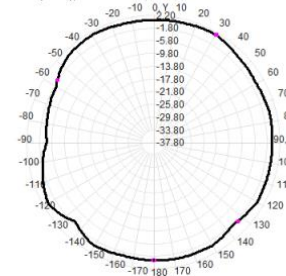
Back View



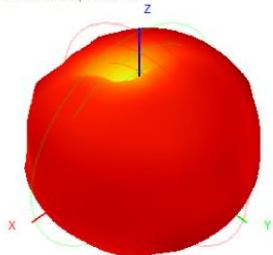
2485.0MHz Total(E2-YZ), Max= 1.18dBi



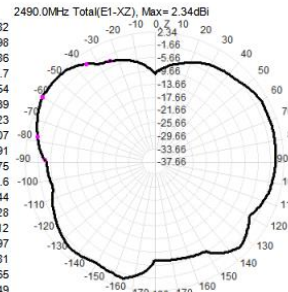
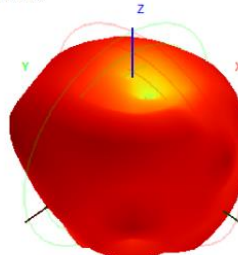
Total(H-XY), Max= 1.33dBi, CrD=5.51



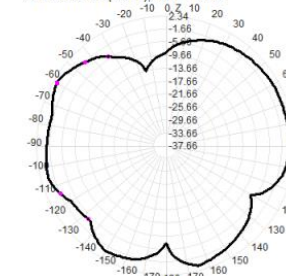
2490.0MHz H+V, Eff: 73.6%



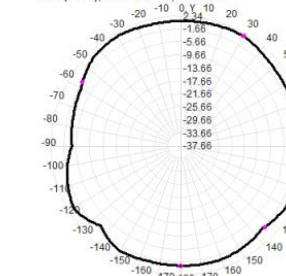
Back View



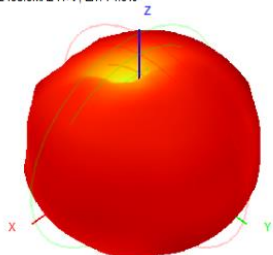
2490.0MHz Total(E2-YZ), Max= 1.26dBi



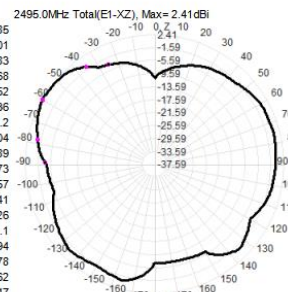
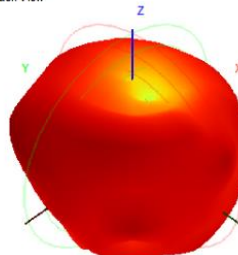
Total(H-XY), Max= 1.37dBi, CrD=5.60



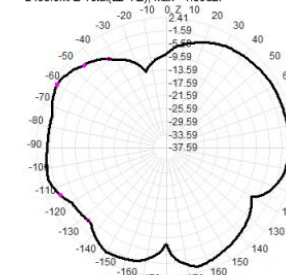
2495.0MHz H+V, Eff: 74.0%



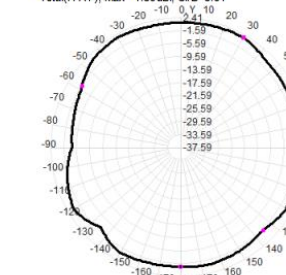
Back View



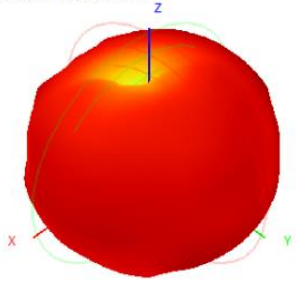
2495.0MHz Total(E2-YZ), Max= 1.30dBi



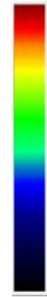
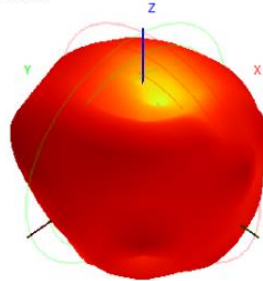
Total(H-XY), Max= 1.39dBi, CrD=5.61



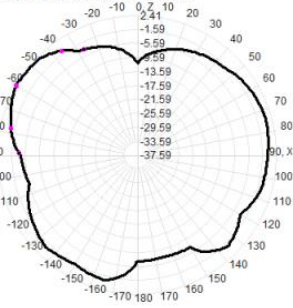
2500.0MHz H+V, Eff: 73.5%



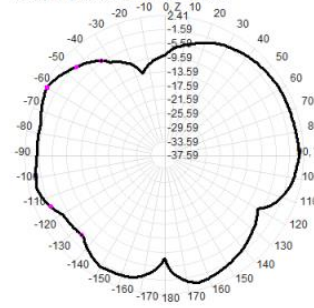
Back View



2500.0MHz Total(E1-XZ), Max= 2.41dBi



2500.0MHz Total(E2-YZ), Max= 1.27dBi



Total(H-XY), Max= 1.39dBi, CrD=5.62

