Shenzhen Qisen Technology Co., Ltd.

SPECIFICATION FOR APPROVAL

COMPANY NAME

Shenzhen Qisen Technology Co., Ltd

PRODUCT P/N

QS23101301

PRODUCT NAME

Built in SMA male pin 5DB dual band antenna

Confirmed by The Company

Address: 4th Floor, No. 22 Anye Road, Henggang Street, Longgang District, Shenzhen
Telephone: 0755-84864089/15989305086
website: www.qskjgf.com

Shenzhen Qisen Technology Co., Ltd.

1. Specification Table:

Main Specifications		Main technical specifications	
Frequency Range (MHZ)	2400-2500MHz	Frequency Range (MHZ)	5150-5850MHz
Characteristic impedance (Ω)	50±10	Impedance(Ω)	50±10
peak gain (dBi)	3.6	Peak Gain(dBi)	3.55
Output voltage stays Poppy	≤1.92	VSWR	≤1.92
Maximum power	10W	Admitted Power	10W
Polarization mode		Polarization	Linear,Vertical
Connection method	SMA	Connector Type	SMA
Physical properties		Physical Properties	
Antenna body material		Antenna Base	Naked copper
Operating temperature	-20℃~+65℃	Operating Temp	-20℃~+65℃
Save humidity	-30℃~+75℃	Storage Temp	-30℃~+75℃
Antenna length	488MM	Antenna length	488MM

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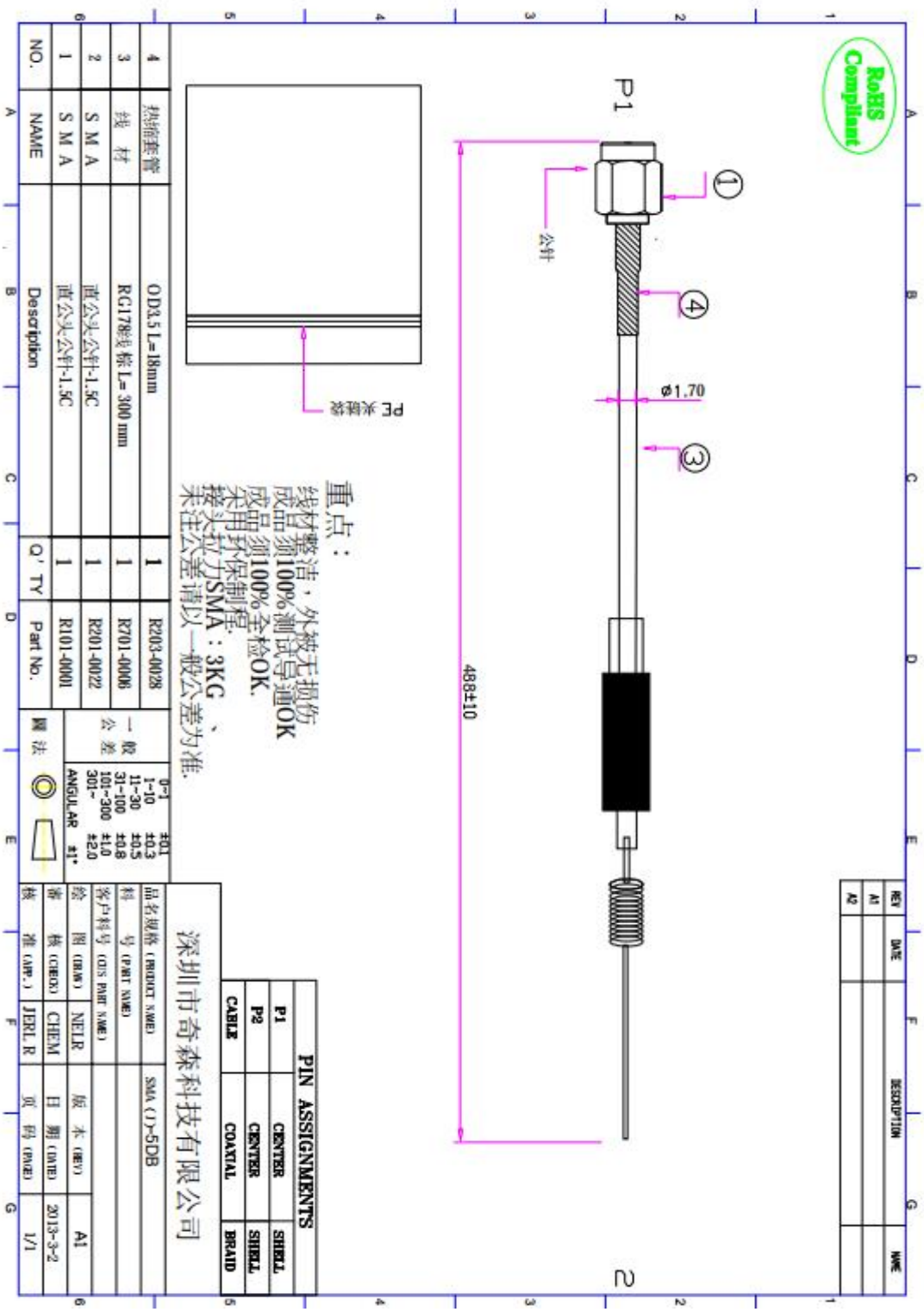
2. Product drawings



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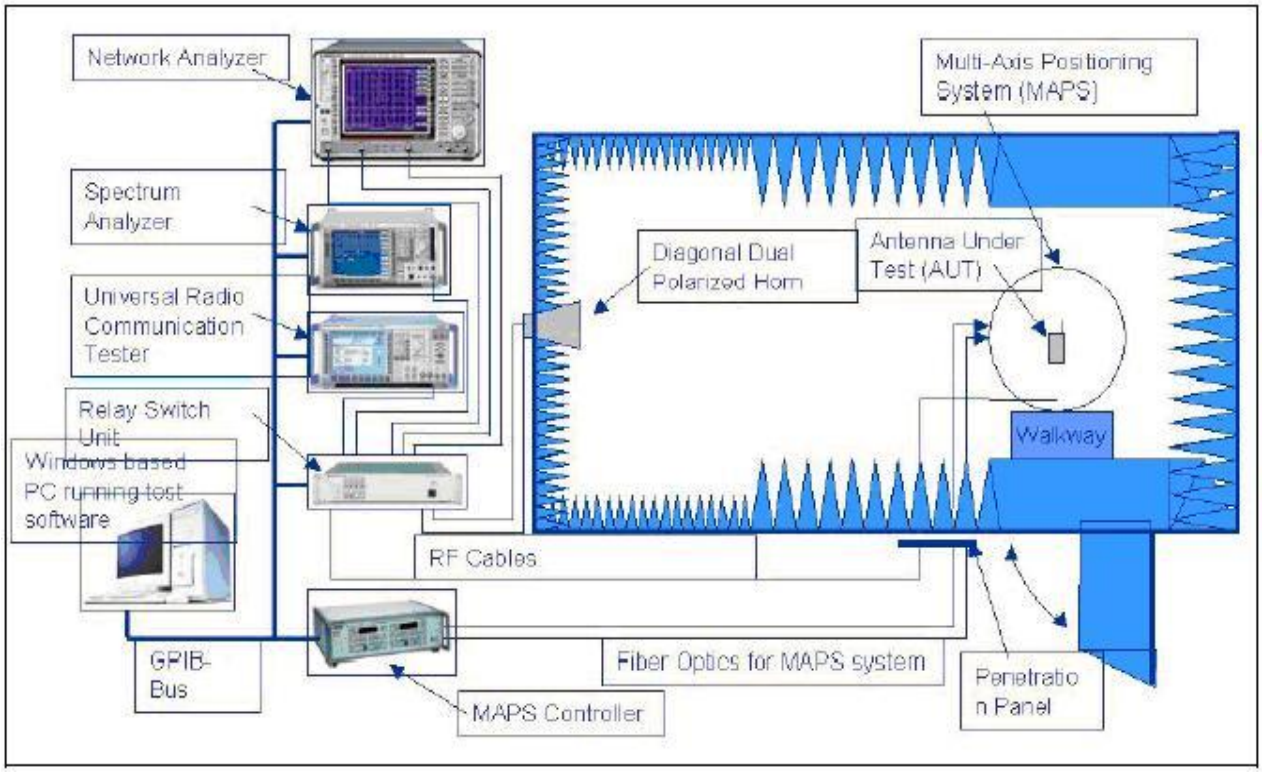
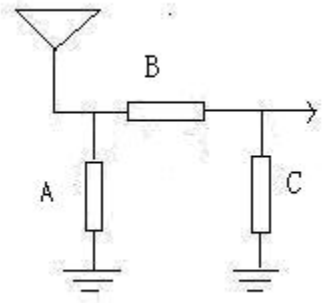
3.Testing report

3.1. Principle diagram of microwave anechoic chamber test



4、Matching circuit

No matching circuit added.



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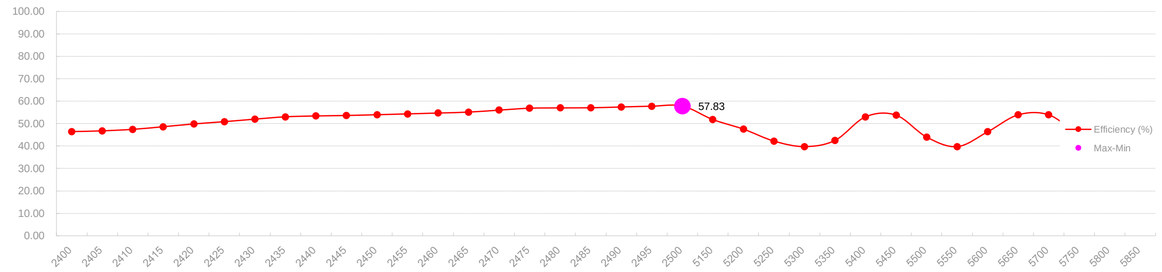
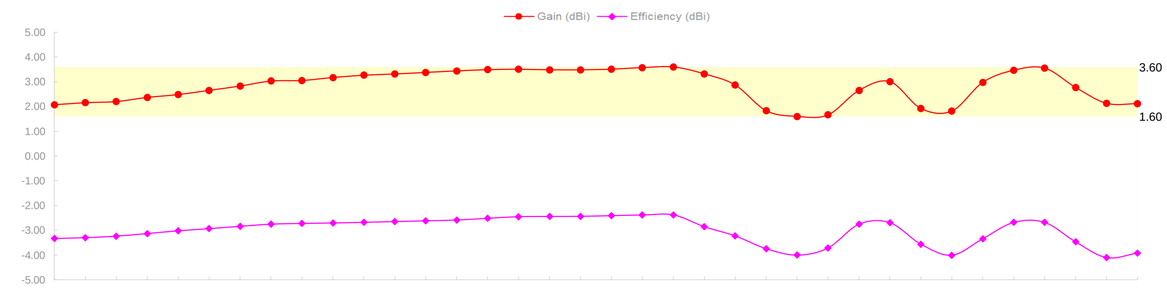
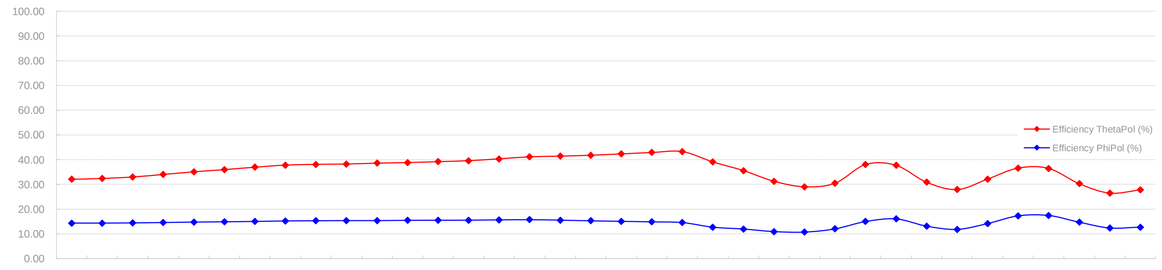
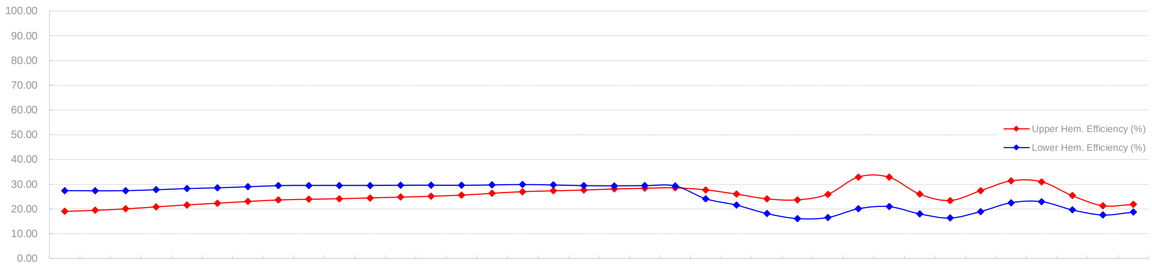
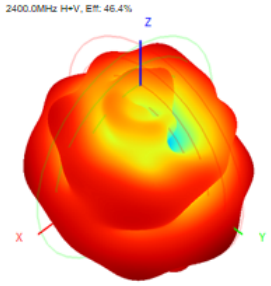
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Frequency (MHz)	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	2455	2460	2465	2470	2475	2480	2485	2490	2495	2500	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Efficiency (dBi)	-3.33	-3.30	-3.24	-3.13	-3.02	-2.94	-2.84	-2.75	-2.72	-2.71	-2.68	-2.65	-2.62	-2.59	-2.52	-2.45	-2.44	-2.44	-2.41	-2.38	-2.38	-2.86	-3.23	-3.75	-4.00	-3.72	-2.75	-2.69	-3.57	-4.01	-3.34	-2.68	-2.68	-3.47	-4.11	-3.92
Gain (dBi)	2.07	2.16	2.20	2.37	2.48	2.65	2.83	3.03	3.05	3.17	3.27	3.32	3.38	3.44	3.49	3.51	3.49	3.48	3.51	3.57	3.60	3.32	2.87	1.83	1.60	1.66	2.65	3.01	1.92	1.82	2.98	3.47	3.55	2.77	2.13	2.12
Efficiency (%)	46.44	46.77	47.44	48.61	49.85	50.86	51.99	53.03	53.41	53.62	53.96	54.33	54.71	55.13	56.01	56.86	57.00	57.05	57.41	57.75	57.83	51.80	47.55	42.21	39.77	42.49	53.03	53.77	44.00	39.73	46.34	53.90	53.91	44.98	38.86	40.53
Directivity (dB)	5.40	5.46	5.44	5.50	5.51	5.59	5.67	5.78	5.78	5.88	5.94	5.97	6.00	6.03	6.01	5.96	5.93	5.92	5.92	5.96	5.98	6.18	6.10	5.58	5.61	5.38	5.41	5.70	5.49	5.83	6.32	6.15	6.24	6.24	6.24	6.04
Peak Gain Position (Theta)	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	95.00	95.00	95.00	96.00	96.00	96.00	96.00	97.00	67.00	67.00	67.00	67.00	67.00	67.00	96.00	67.00	96.00	97.00	97.00	68.00
Peak Gain Position (Phi)	83.00	83.00	83.00	82.00	82.00	82.00	82.00	81.00	81.00	81.00	81.00	80.00	80.00	80.00	80.00	80.00	79.00	79.00	79.00	79.00	79.00	203.00	206.00	208.00	86.00	56.00	175.00	174.00	150.00	76.00	190.00	75.00	197.00	199.00	200.00	264.00
Efficiency ThetaPol (%)	32.07	32.40	33.00	34.02	35.08	35.98	36.95	37.80	38.10	38.25	38.59	38.84	39.19	39.59	40.34	41.14	41.44	41.78	42.33	42.90	43.26	39.09	35.58	31.28	29.04	30.47	38.04	37.71	30.88	27.91	32.16	36.60	36.47	30.26	26.48	27.79
Efficiency PhiPol (%)	14.37	14.37	14.44	14.59	14.78	14.89	15.04	15.23	15.31	15.37	15.37	15.49	15.52	15.54	15.67	15.72	15.56	15.28	15.08	14.85	14.57	12.71	11.97	10.93	10.72	12.03	14.99	16.06	13.13	11.82	14.17	17.30	17.44	14.72	12.38	12.74
Upper Hem. Efficiency (%)	19.02	19.43	20.05	20.85	21.63	22.31	23.02	23.62	23.92	24.13	24.47	24.77	25.13	25.59	26.31	26.99	27.31	27.65	28.07	28.36	28.54	27.70	26.00	24.08	23.67	25.94	32.93	32.83	25.99	23.42	27.38	31.38	30.97	25.36	21.30	21.83
Lower Hem. Efficiency (%)	27.41	27.34	27.39	27.77	28.23	28.55	28.97	29.41	29.49	29.49	29.49	29.56	29.59	29.53	29.70	29.87	29.69	29.41	29.34	29.39	29.29	24.10	21.55	18.13	16.10	16.55	20.10	20.94	18.01	16.31	18.95	22.53	22.93	19.62	17.56	18.70
T90(H)圆度	7.14	7.44	7.93	8.44	9.00	9.68	9.97	10.36	10.41	10.35	10.30	10.00	9.95	9.86	9.77	9.80	9.53	9.47	9.25	9.00	8.49	10.76	11.51	10.37	12.47	13.31	10.79	9.06	11.76	15.10	18.32	17.43	13.89	11.59	9.75	8.64
Gain 15deg (dBi)																																				
E1(XZ)波瓣宽度	15.00	14.00	14.00	14.00	14.00	14.00	18.00	19.00	20.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	25.00	25.00	24.00	23.00	23.00	15.00	15.00	15.00	18.00	19.00	19.00	19.00	19.00	18.00	18.00	19.00	19.00	19.00	18.00	18.00
E1(XZ)前后比	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.09	0.11	0.09	0.07	0.06	0.04	0.06	0.17	0.25	0.45	0.63	0.80	0.96	1.14	6.22	6.10	6.20	6.40	5.95	6.00	6.30	6.03	5.79	6.44	5.76	4.61	5.14	5.48	6.36
E2(YZ)波瓣宽度	22.00	22.00	22.00	22.00	22.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	20.00	20.00	20.00	20.00	20.00	19.00	19.00	15.00	17.00	17.00	17.00	18.00	18.00	18.00	15.00	15.00	16.00	17.00	17.00	18.00	17.00	17.00
E2(YZ)前后比	3.14	3.06	2.91	2.89	2.94	3.05	3.23	3.43	3.61	3.78	3.90	3.90	3.89	3.93	3.91	4.03	4.29	4.67	4.93	5.23	5.55	5.12	4.63	4.65	4.66	3.32	3.30	3.11	2.32	1.95	2.31	2.34	2.11	2.03	2.99	3.15
最大增益处轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
仰角10度最差(大)轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY)波瓣宽度	200.00	198.00	199.00	199.00	199.00	198.00	198.00	197.00	199.00	198.00	197.00	197.00	196.00	197.00	197.00	199.00	200.00	201.00	204.00	205.00	207.00	159.00	41.00	199.00	37.00	31.00	31.00	31.00	86.00	92.00	66.00	69.00	66.00	69.00	70.00	82.00
Hc(XY)前后比	2.19	2.27	2.32	2.51	2.44	2.53	2.54	2.55	2.55	2.54	2.57	2.58	2.67	2.72	2.80	2.79	2.82	2.86	2.74	2.69	2.65	3.58	3.42	3.32	4.08	3.83	3.19	2.55	2.25	2.79	4.09	5.52	6.32	6.86	6.46	5.74
Empty																																				

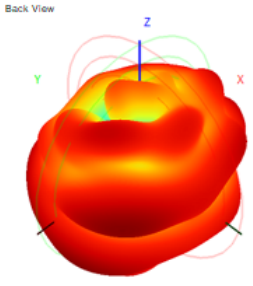


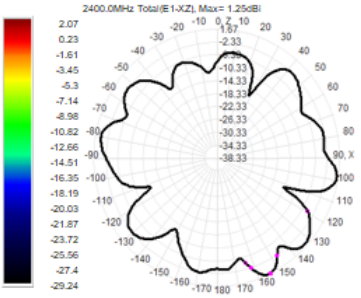


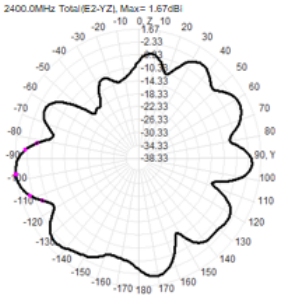


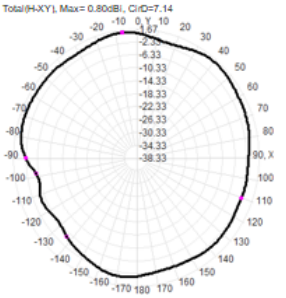

100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Upper Hem. Efficiency (%)
Lower Hem. Efficiency (%)

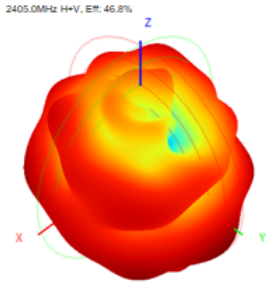

2400.0MHz H+V, Eff: 46.4%

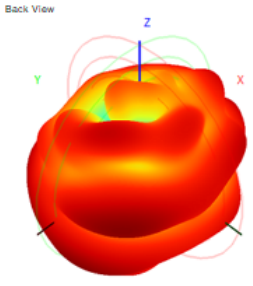

Back View

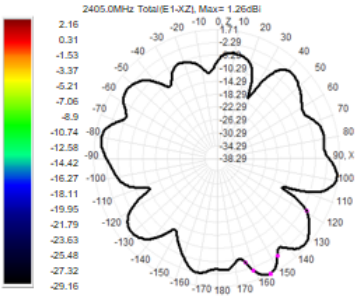

2400.0MHz Total(E1-XZ), Max= 1.25dBi
2.07
0.23
-1.61
-3.45
-5.3
-7.14
-8.98
-10.82
-12.66
-14.51
-16.35
-18.19
-20.03
-21.87
-23.72
-25.56
-27.4
-29.24

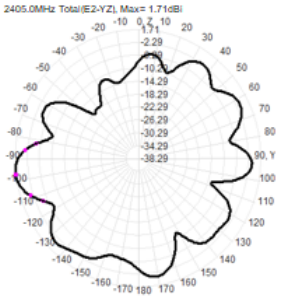

2400.0MHz Total(E2-YZ), Max= 1.67dBi

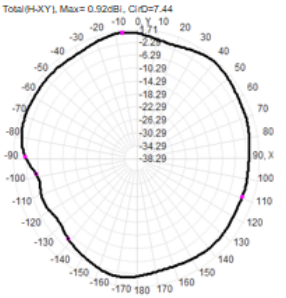

Total(H-XY), Max= 0.80dBi, Ci/D=7.14

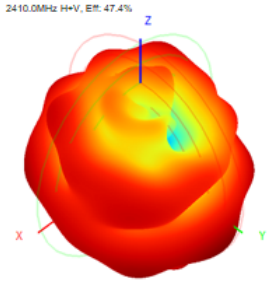

2405.0MHz H+V, Eff: 46.8%

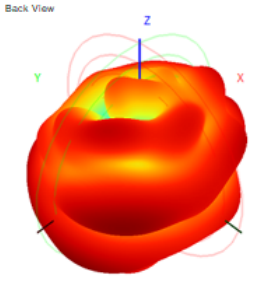

Back View

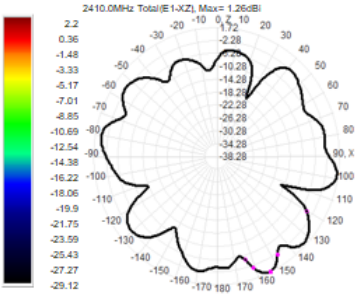

2405.0MHz Total(E1-XZ), Max= 1.26dBi
2.16
0.31
-1.53
-3.37
-5.21
-7.06
-8.9
-10.74
-12.58
-14.42
-16.27
-18.11
-19.95
-21.79
-23.63
-25.48
-27.32
-29.16

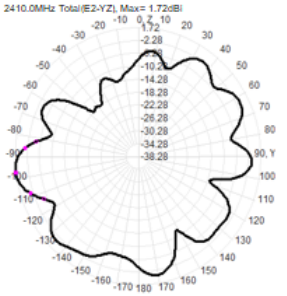

2405.0MHz Total(E2-YZ), Max= 1.71dBi

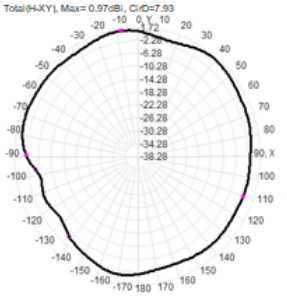

Total(H-XY), Max= 0.92dBi, Ci/D=7.44

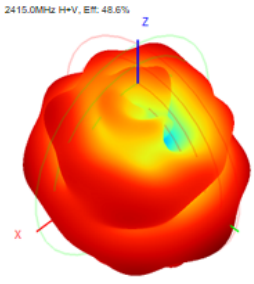

2410.0MHz H+V, Eff: 47.4%

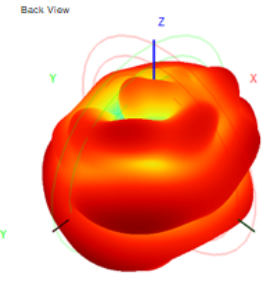

Back View

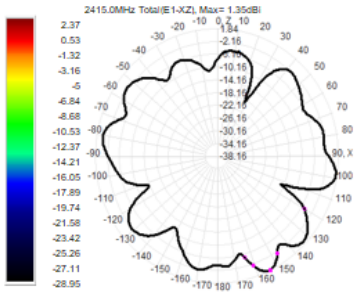

2410.0MHz Total(E1-XZ), Max= 1.26dBi
2.2
0.36
-1.48
-3.33
-5.17
-7.01
-8.85
-10.69
-12.54
-14.38
-16.22
-18.06
-19.9
-21.75
-23.59
-25.43
-27.27
-29.12

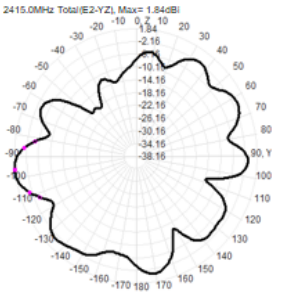

2410.0MHz Total(E2-YZ), Max= 1.72dBi

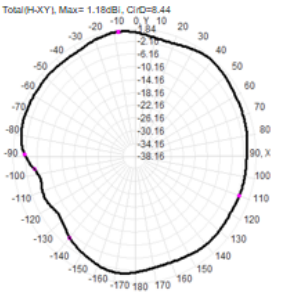

Total(H-XY), Max= 0.97dBi, Ci/D=7.93

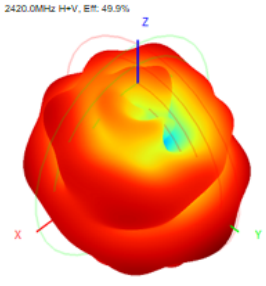

2415.0MHz H+V, Eff: 48.6%

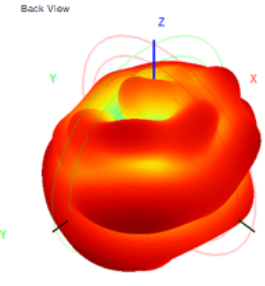

Back View

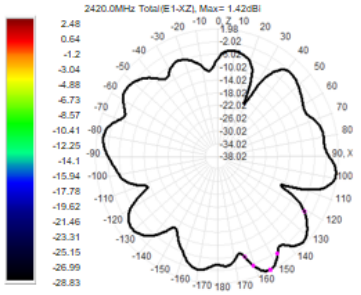

2415.0MHz Total(E1-XZ), Max= 1.35dBi
2.37
0.53
-1.32
-3.16
-5
-6.84
-8.68
-10.53
-12.37
-14.21
-16.05
-17.89
-19.74
-21.58
-23.42
-25.26
-27.11
-28.95

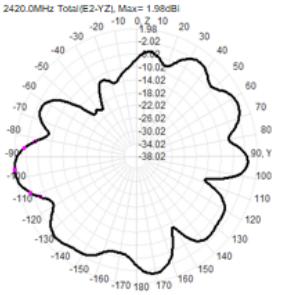

2415.0MHz Total(E2-YZ), Max= 1.84dBi

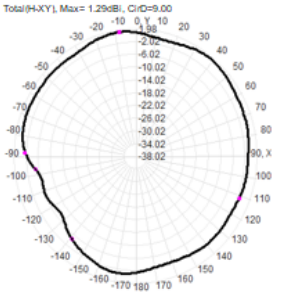

Total(H-XY), Max= 1.18dBi, Ci/D=8.44

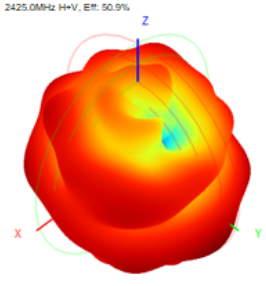

2420.0MHz H+V, Eff: 49.9%

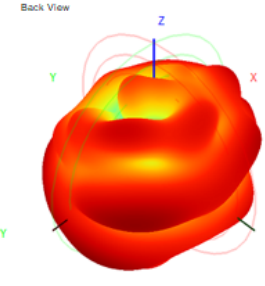

Back View

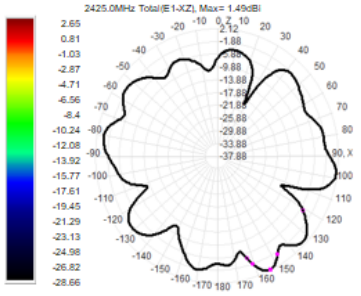

2420.0MHz Total(E1-XZ), Max= 1.42dBi
2.48
0.64
-1.2
-3.04
-4.88
-6.73
-8.57
-10.41
-12.25
-14.1
-15.94
-17.78
-19.62
-21.46
-23.31
-25.15
-26.99
-28.83

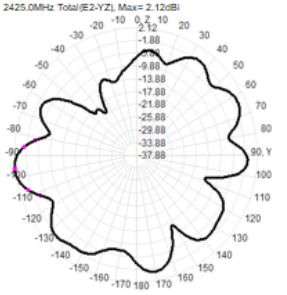

2420.0MHz Total(E2-YZ), Max= 1.98dBi

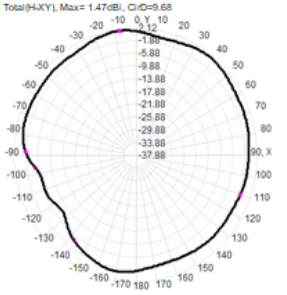

Total(H-XY), Max= 1.29dBi, Ci/D=9.00


2425.0MHz H+V, Eff: 50.9%

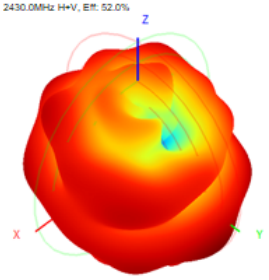

Back View


2425.0MHz Total(E1-XZ), Max= 1.49dBi
2.65
0.81
-1.03
-2.87
-4.71
-6.56
-8.4
-10.24
-12.08
-13.92
-15.77
-17.61
-19.45
-21.29
-23.13
-24.98
-26.82
-28.66

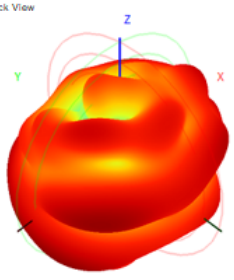

2425.0MHz Total(E2-YZ), Max= 2.12dBi

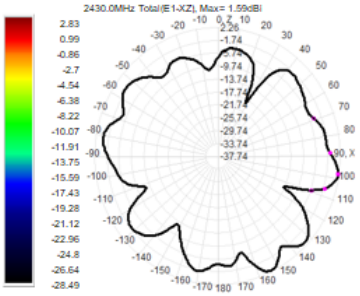

Total(H-XY), Max= 1.47dBi, Ci/D=9.68

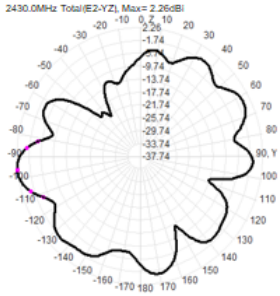
2430.0MHz H+V, Eff: 52.0%

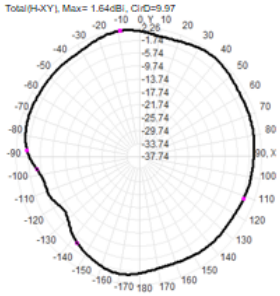


Back View

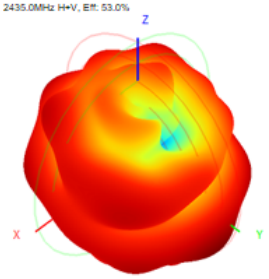




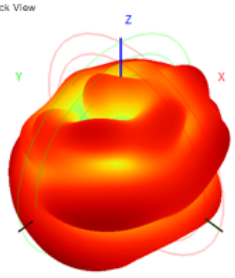


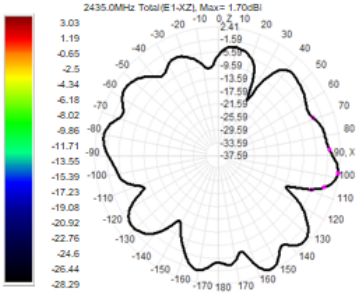


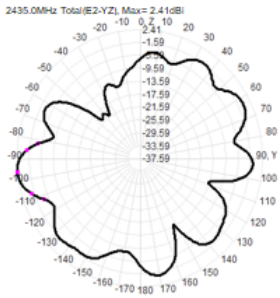
2435.0MHz H+V, Eff: 53.0%

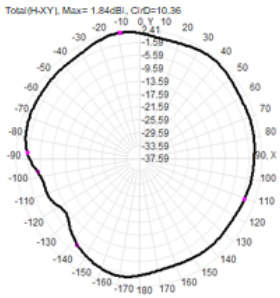


Back View

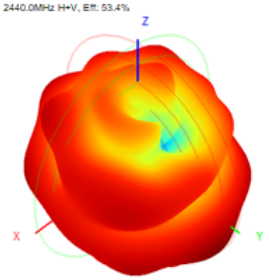




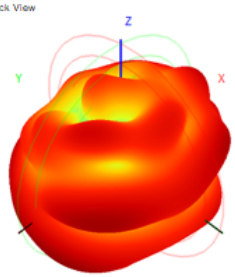


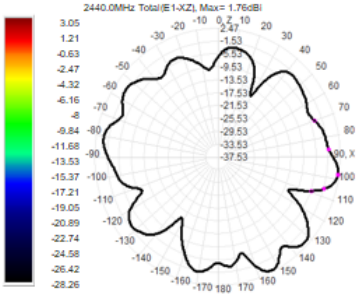


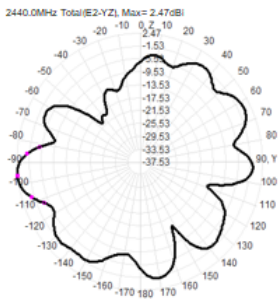
2440.0MHz H+V, Eff: 53.4%

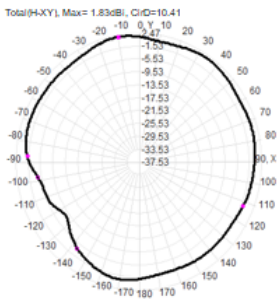


Back View

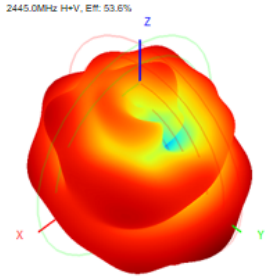




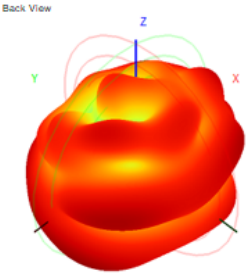


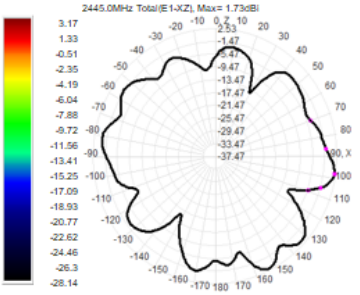


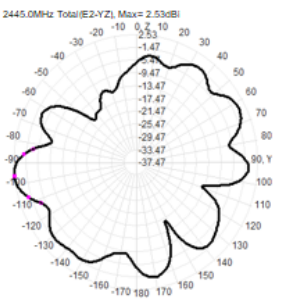
2445.0MHz H+V, Eff: 53.6%

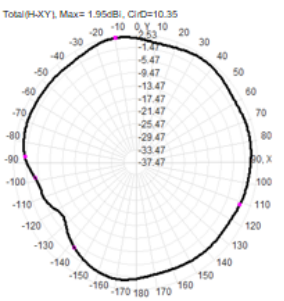


Back View

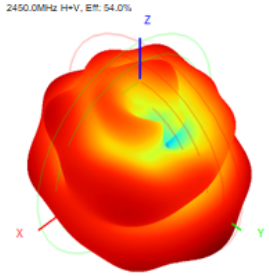




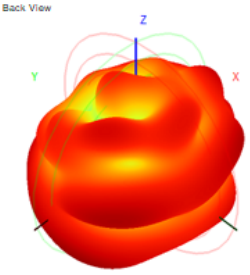


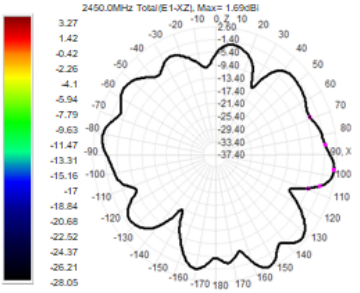


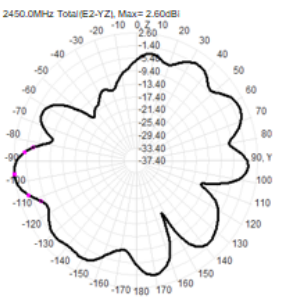
2450.0MHz H+V, Eff: 54.0%

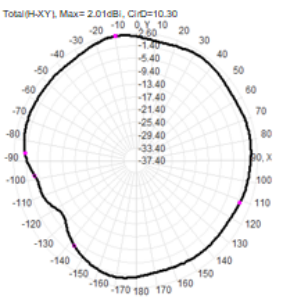


Back View

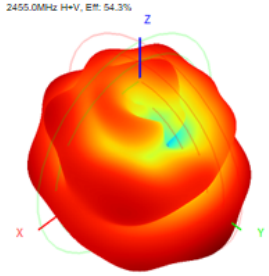




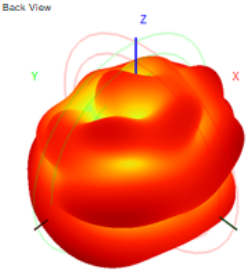


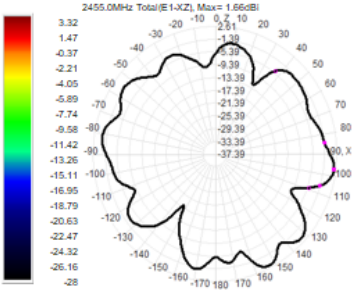


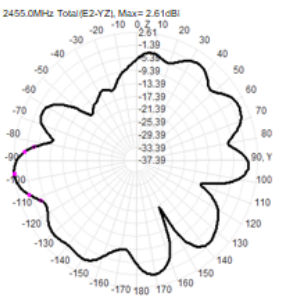
2455.0MHz H+V, Eff: 54.3%

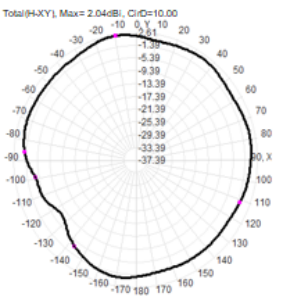


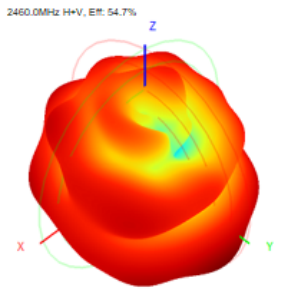
Back View

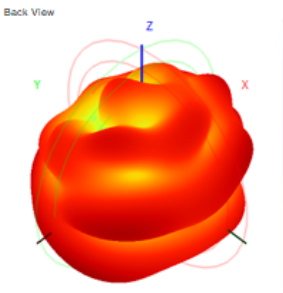


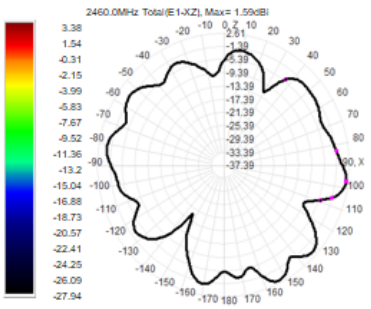




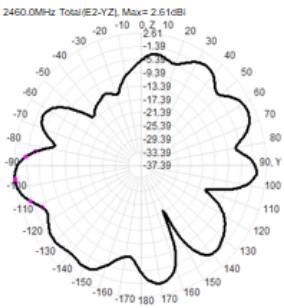


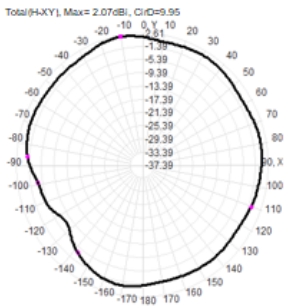

2460.0MHz H+V, Eff: 54.7%
Z
X
Y

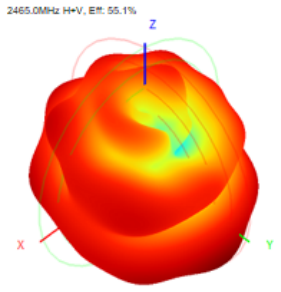

Back View
Z
Y
X

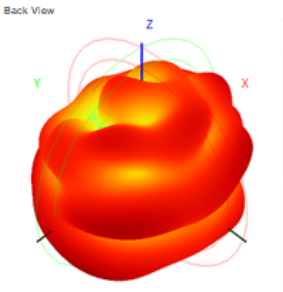

3.38
1.54
-0.31
-2.15
-3.99
-5.83
-7.67
-9.52
-11.36
-13.2
-15.04
-16.88
-18.73
-20.57
-22.41
-24.25
-26.09
-27.94

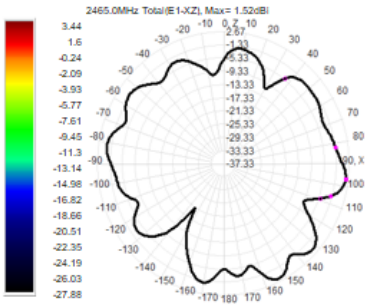
2460.0MHz Total(E1-XZ), Max= 1.59dBi


2460.0MHz Total(E2-YZ), Max= 2.61dBi

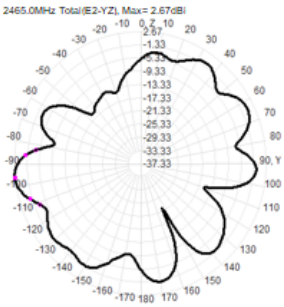

Total(H-XY), Max= 2.07dBi, Cir'd=9.95

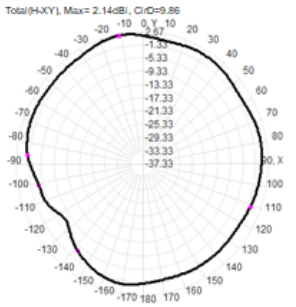

2465.0MHz H+V, Eff: 55.1%
Z
X
Y

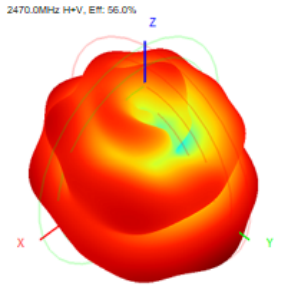

Back View
Z
Y
X

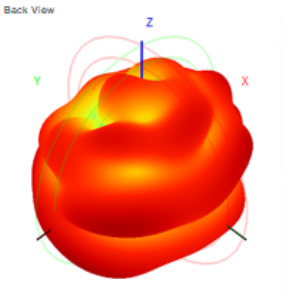

3.44
1.6
-0.24
-2.09
-3.93
-5.77
-7.61
-9.45
-11.3
-13.14
-14.98
-16.82
-18.66
-20.51
-22.35
-24.19
-26.03
-27.88

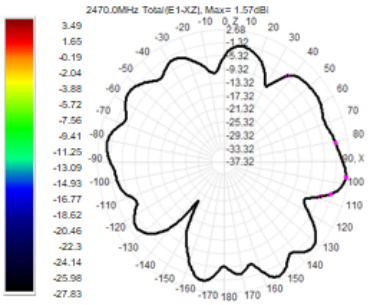
2465.0MHz Total(E1-XZ), Max= 1.52dBi


2465.0MHz Total(E2-YZ), Max= 2.67dBi

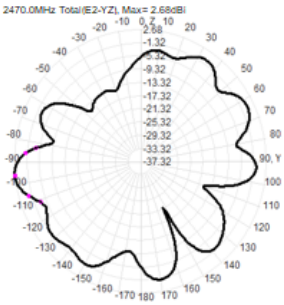

Total(H-XY), Max= 2.14dBi, Cir'd=9.86

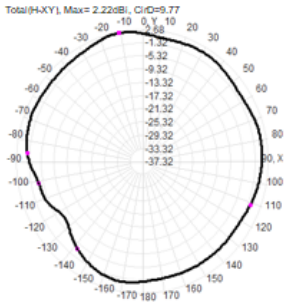

2470.0MHz H+V, Eff: 56.0%
Z
X
Y

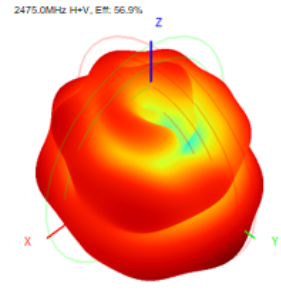

Back View
Z
Y
X

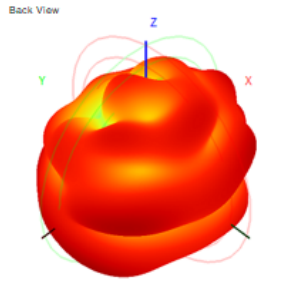

3.49
1.65
-0.19
-2.04
-3.88
-5.72
-7.56
-9.41
-11.25
-13.09
-14.93
-16.77
-18.62
-20.46
-22.3
-24.14
-25.98
-27.83

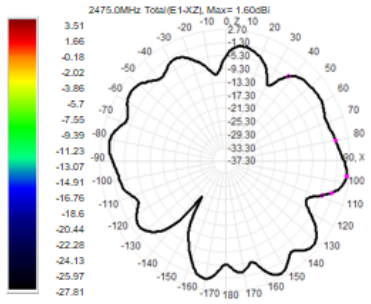
2470.0MHz Total(E1-XZ), Max= 1.57dBi


2470.0MHz Total(E2-YZ), Max= 2.68dBi

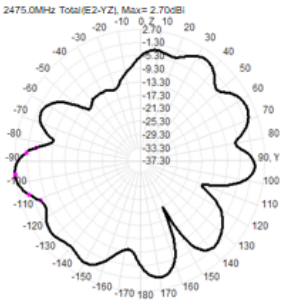

Total(H-XY), Max= 2.22dBi, Cir'd=9.77

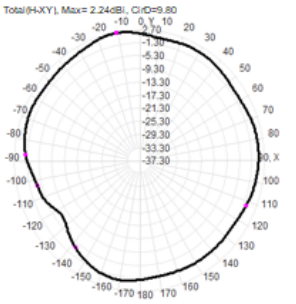

2475.0MHz H+V, Eff: 56.9%
Z
X
Y

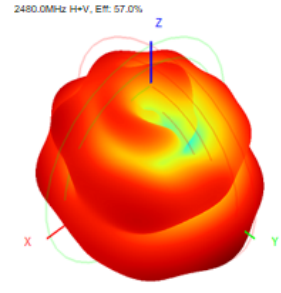

Back View
Z
Y
X

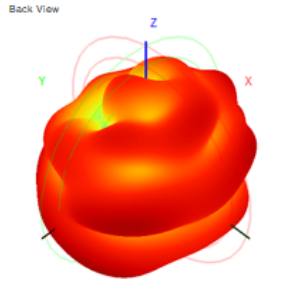

3.51
1.66
-0.18
-2.02
-3.86
-5.7
-7.55
-9.39
-11.23
-13.07
-14.91
-16.76
-18.6
-20.44
-22.28
-24.13
-25.97
-27.81

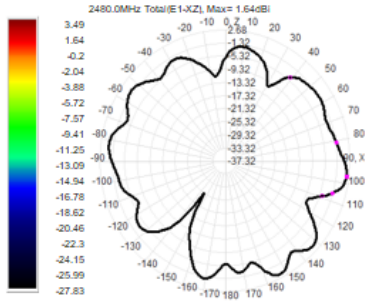
2475.0MHz Total(E1-XZ), Max= 1.60dBi


2475.0MHz Total(E2-YZ), Max= 2.70dBi

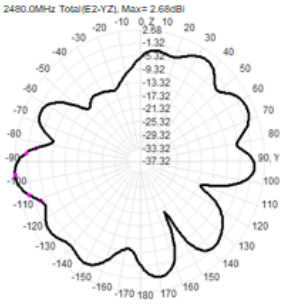

Total(H-XY), Max= 2.24dBi, Cir'd=9.80

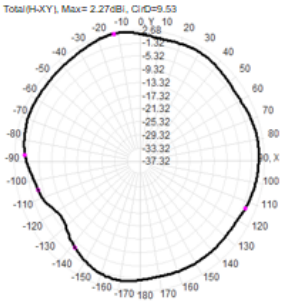

2480.0MHz H+V, Eff: 57.0%
Z
X
Y

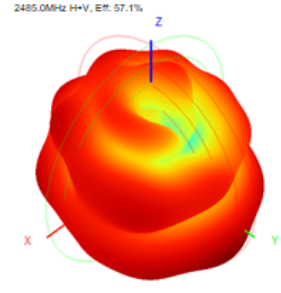

Back View
Z
Y
X

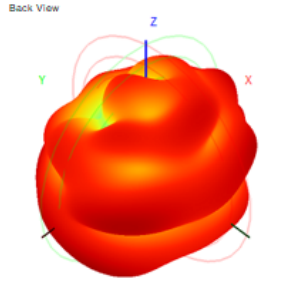

3.49
1.64
-0.2
-2.04
-3.88
-5.72
-7.57
-9.41
-11.25
-13.09
-14.94
-16.78
-18.62
-20.46
-22.3
-24.15
-25.99
-27.83

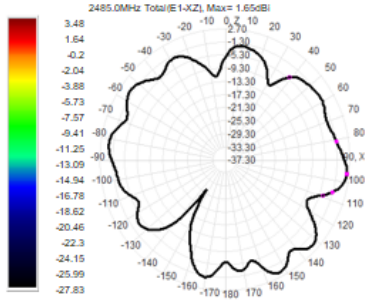
2480.0MHz Total(E1-XZ), Max= 1.64dBi


2480.0MHz Total(E2-YZ), Max= 2.68dBi

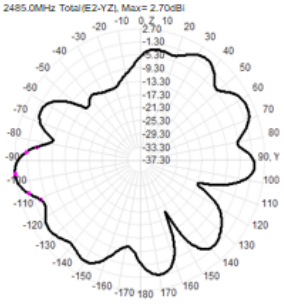

Total(H-XY), Max= 2.27dBi, Cir'd=9.53

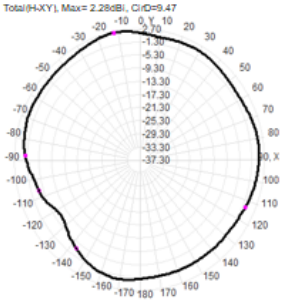

2485.0MHz H+V, Eff: 57.1%
Z
X
Y

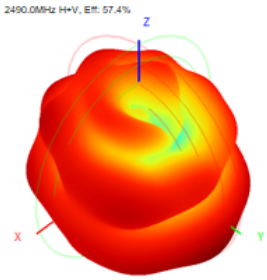

Back View
Z
Y
X

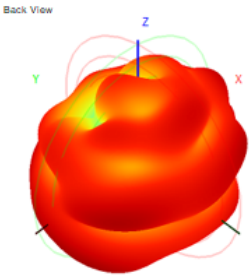

3.48
1.64
-0.2
-2.04
-3.88
-5.73
-7.57
-9.41
-11.25
-13.09
-14.94
-16.78
-18.62
-20.46
-22.3
-24.15
-25.99
-27.83

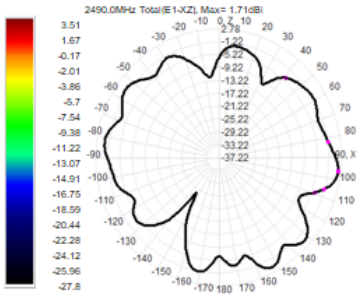
2485.0MHz Total(E1-XZ), Max= 1.65dBi

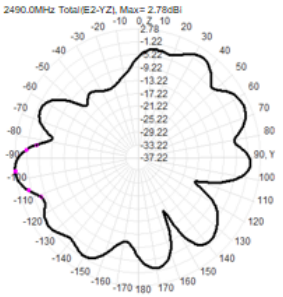

2485.0MHz Total(E2-YZ), Max= 2.70dBi

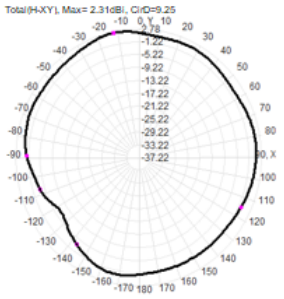

Total(H-XY), Max= 2.28dBi, Cir'd=9.47

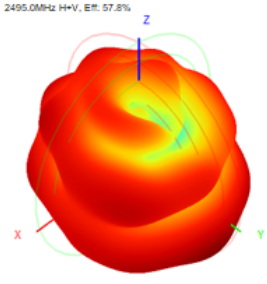

2490.0MHz H+V, Eff: 57.4%

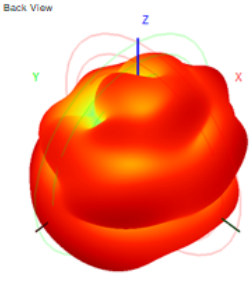

Back View

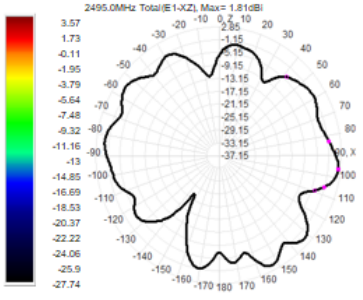

2490.0MHz Total(E1-XZ), Max= 1.71dBi

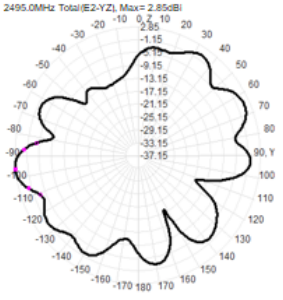

2490.0MHz Total(E2-YZ), Max= 2.78dBi

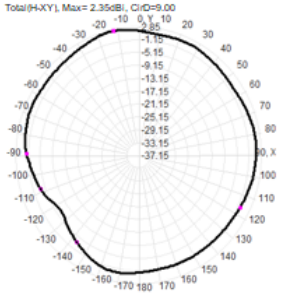

Total(H-XY), Max= 2.31dBi, CirD=9.25

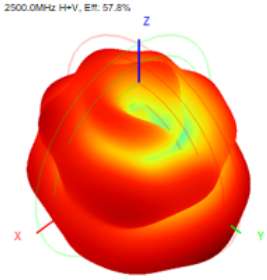

2495.0MHz H+V, Eff: 57.8%

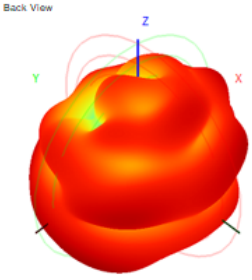

Back View

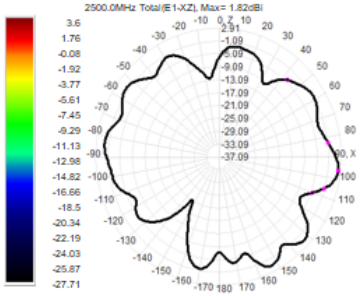

2495.0MHz Total(E1-XZ), Max= 1.81dBi

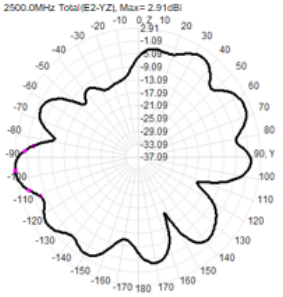

2495.0MHz Total(E2-YZ), Max= 2.85dBi

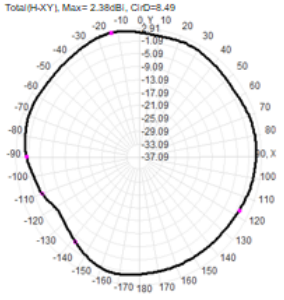

Total(H-XY), Max= 2.35dBi, CirD=9.00

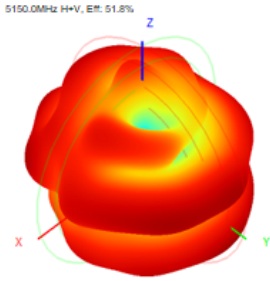

2500.0MHz H+V, Eff: 57.8%

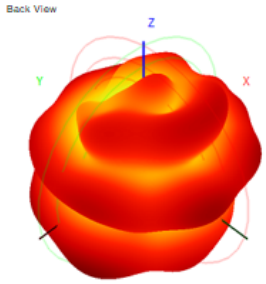

Back View

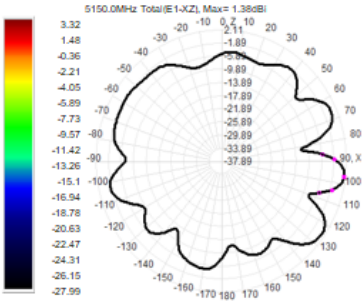

2500.0MHz Total(E1-XZ), Max= 1.82dBi

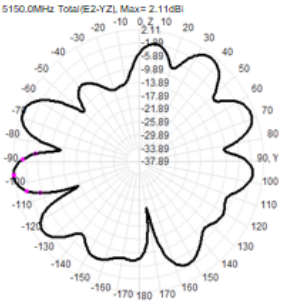

2500.0MHz Total(E2-YZ), Max= 2.91dBi

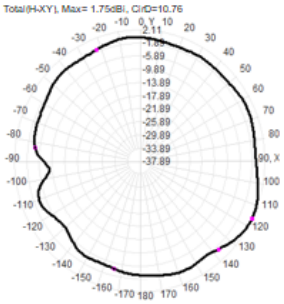

Total(H-XY), Max= 2.38dBi, CirD=8.49

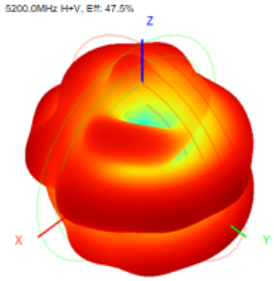

5150.0MHz H+V, Eff: 51.8%

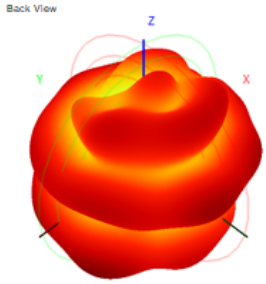

Back View

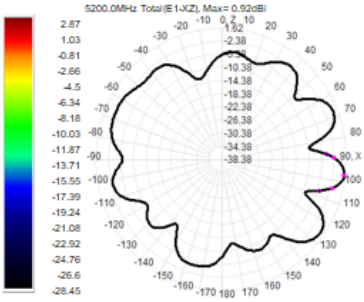

5150.0MHz Total(E1-XZ), Max= 1.38dBi

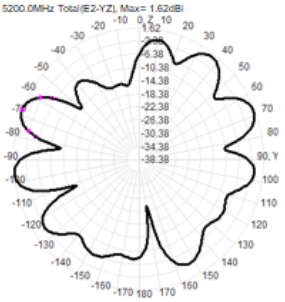

5150.0MHz Total(E2-YZ), Max= 2.11dBi

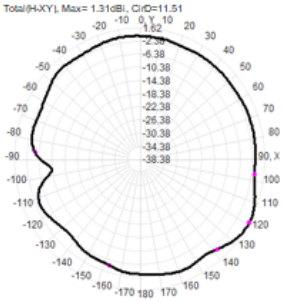

Total(H-XY), Max= 1.75dBi, CirD=10.76

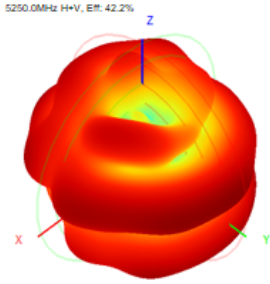

5200.0MHz H+V, Eff: 47.5%

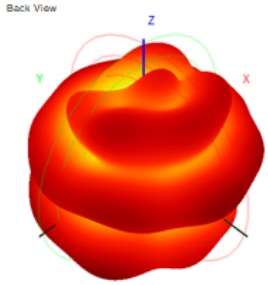

Back View

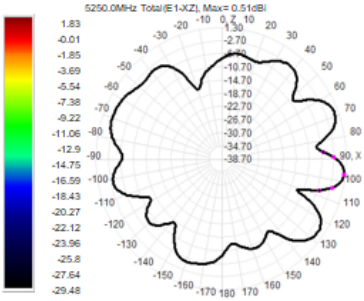

5200.0MHz Total(E1-XZ), Max= 0.92dBi

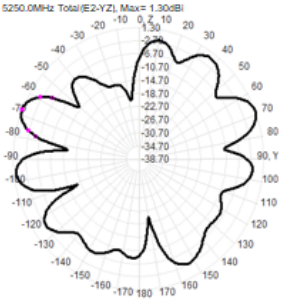

5200.0MHz Total(E2-YZ), Max= 1.62dBi

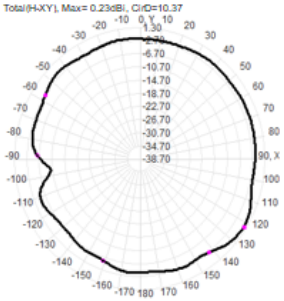

Total(H-XY), Max= 1.31dBi, CirD=11.51

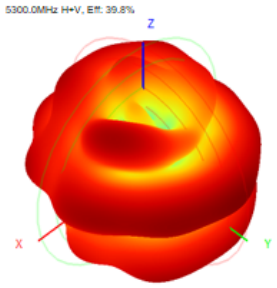

5250.0MHz H+V, Eff: 42.2%

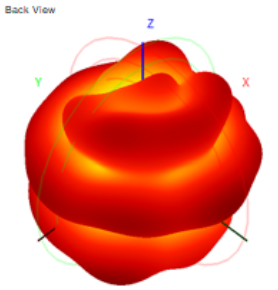

Back View

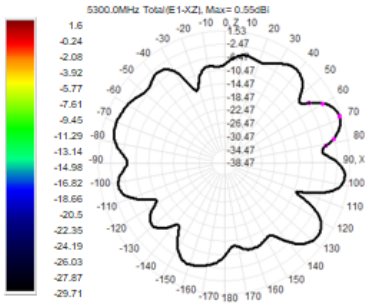

5250.0MHz Total(E1-XZ), Max= 0.51dBi

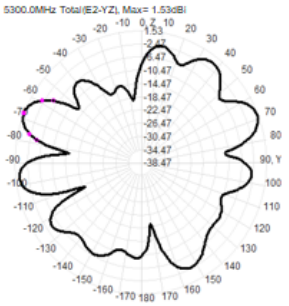

5250.0MHz Total(E2-YZ), Max= 1.30dBi

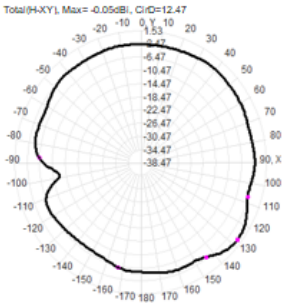

Total(H-XY), Max= 0.23dBi, CirD=10.37

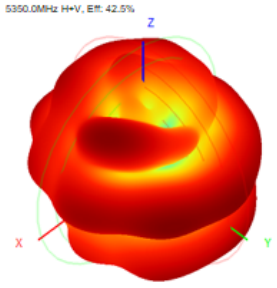

5300.0MHz H+V, Eff: 39.8%

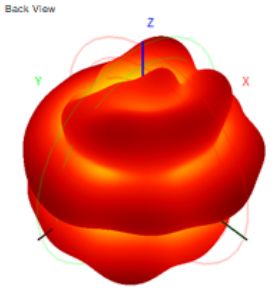

Back View

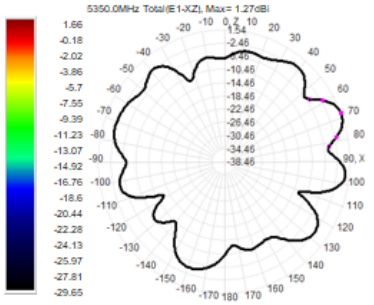

5300.0MHz Total(E1-XZ), Max= 0.55dBi

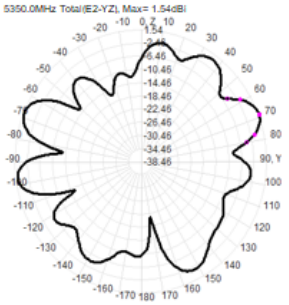

5300.0MHz Total(E2-YZ), Max= 1.53dBi

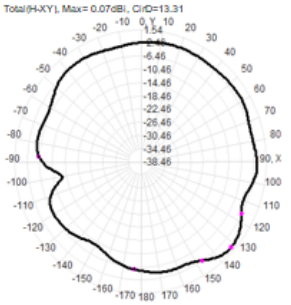

Total(H-XY), Max= -0.05dBi, ClrD=12.47

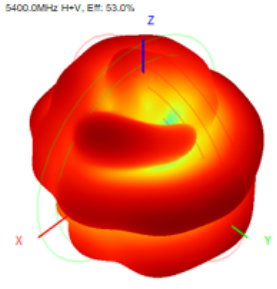

5350.0MHz H+V, Eff: 42.5%

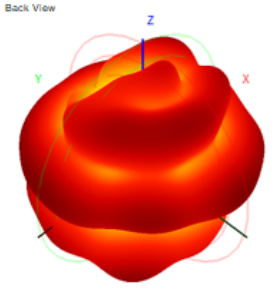

Back View

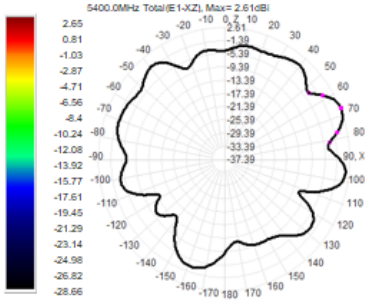

5350.0MHz Total(E1-XZ), Max= 1.27dBi

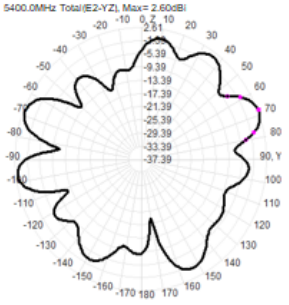

5350.0MHz Total(E2-YZ), Max= 1.54dBi

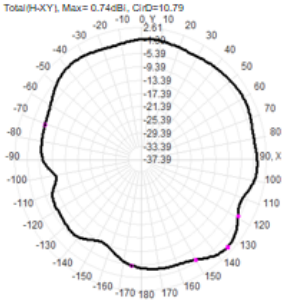

Total(H-XY), Max= 0.07dBi, ClrD=13.31

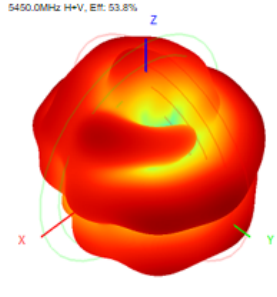

5400.0MHz H+V, Eff: 53.0%

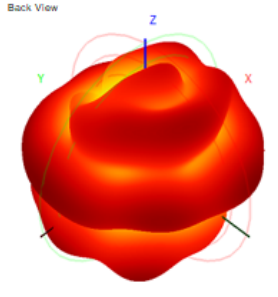

Back View

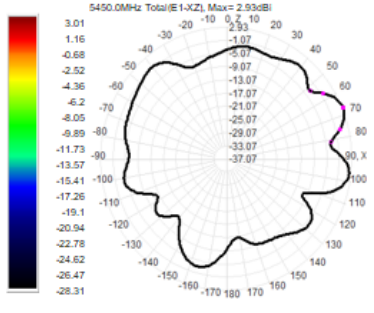

5400.0MHz Total(E1-XZ), Max= 2.61dBi

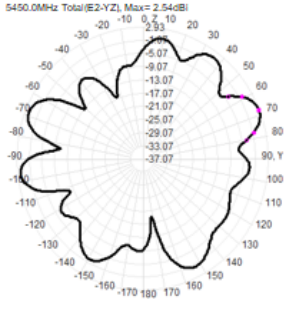

5400.0MHz Total(E2-YZ), Max= 2.60dBi

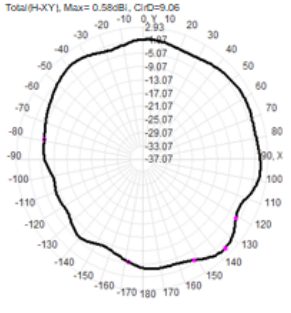

Total(H-XY), Max= 0.74dBi, ClrD=10.79

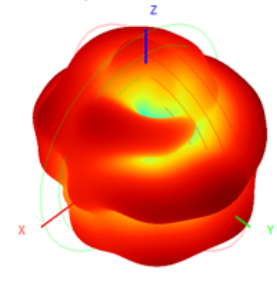

5450.0MHz H+V, Eff: 53.8%

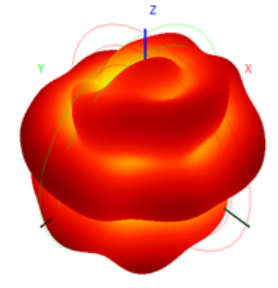

Back View

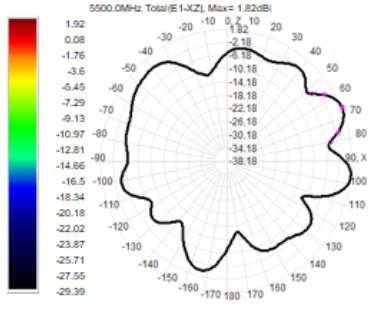

5450.0MHz Total(E1-XZ), Max= 2.93dBi

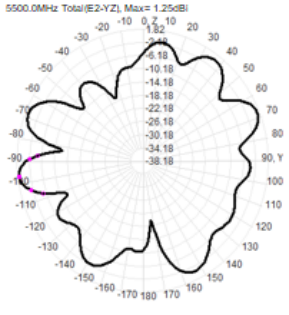

5450.0MHz Total(E2-YZ), Max= 2.54dBi

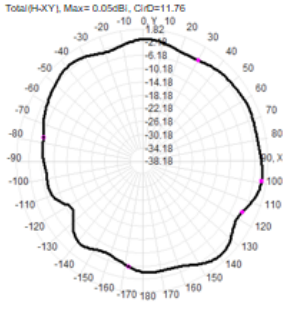

Total(H-XY), Max= 0.58dBi, ClrD=9.06

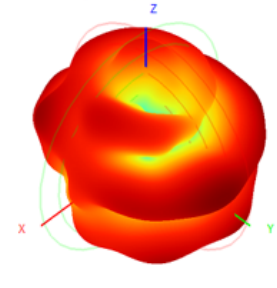

5500.0MHz H+V, Eff: 44.0%

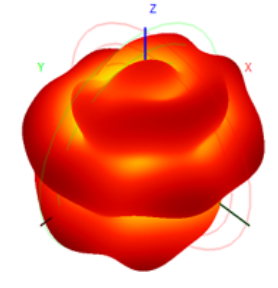

Back View

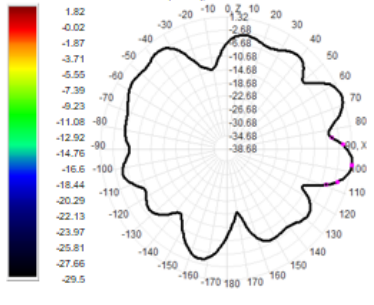

5500.0MHz Total(E1-XZ), Max= 1.82dBi

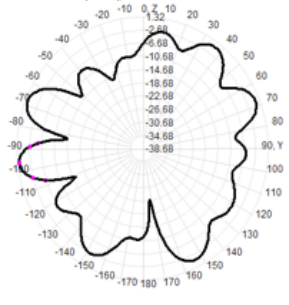

5500.0MHz Total(E2-YZ), Max= 1.25dBi

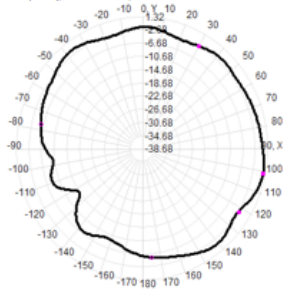

Total(H-XY), Max= 0.05dBi, ClrD=11.76


5550.0MHz H+V, Eff: 39.7%

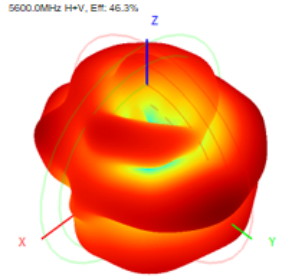

Back View


5550.0MHz Total(E1-XZ), Max= 1.32dBi

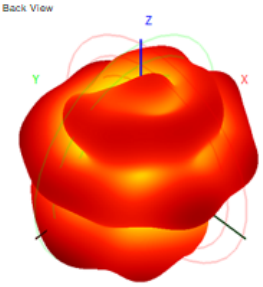

5550.0MHz Total(E2-YZ), Max= 0.66dBi

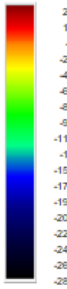

Total(H-XY), Max= 0.25dBi, ClrD=15.10

5600.0MHz H+V, Eff: 46.3%

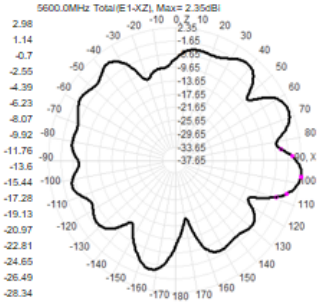


Back View

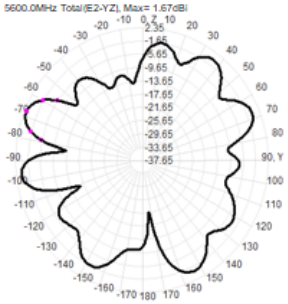




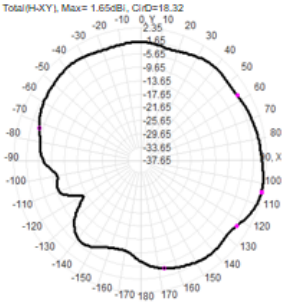
5600.0MHz Total(E1-XZ), Max= 2.35dBi



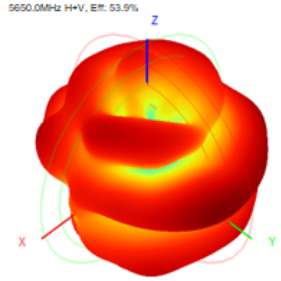
5600.0MHz Total(E2-YZ), Max= 1.67dBi



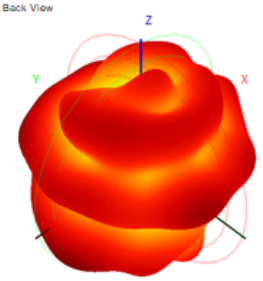
Total(H-XY), Max= 1.65dBi, Clr/D=18.32

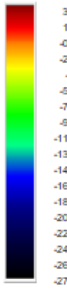


5650.0MHz H+V, Eff: 53.9%

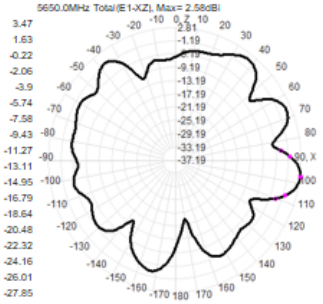


Back View

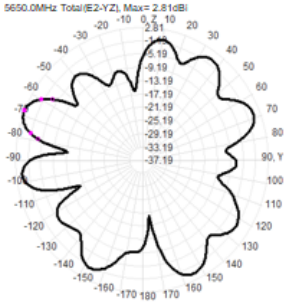




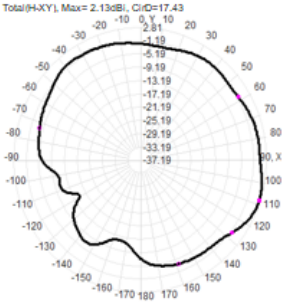
5650.0MHz Total(E1-XZ), Max= 2.58dBi



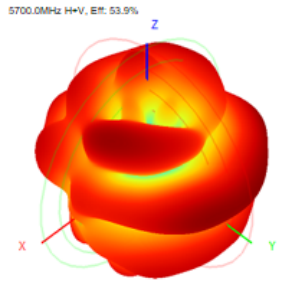
5650.0MHz Total(E2-YZ), Max= 2.81dBi



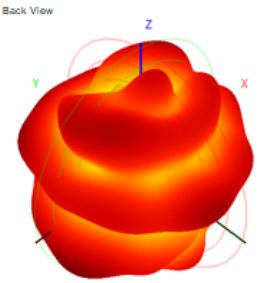
Total(H-XY), Max= 2.13dBi, Clr/D=17.43

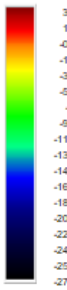


5700.0MHz H+V, Eff: 53.9%

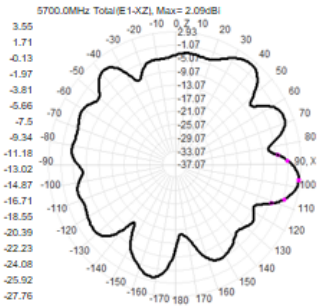


Back View

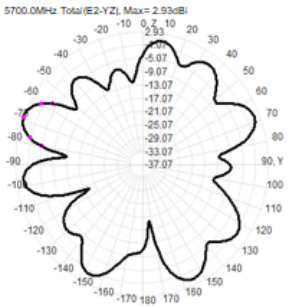




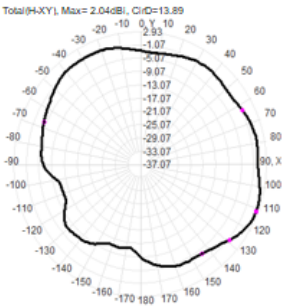
5700.0MHz Total(E1-XZ), Max= 2.09dBi



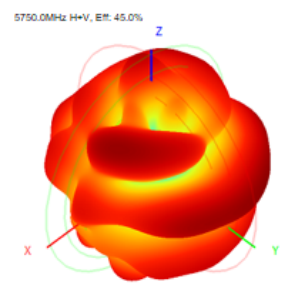
5700.0MHz Total(E2-YZ), Max= 2.93dBi



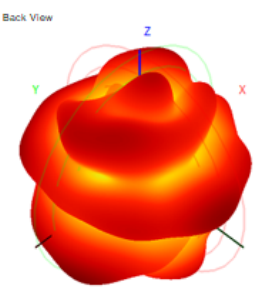
Total(H-XY), Max= 2.04dBi, Clr/D=13.89

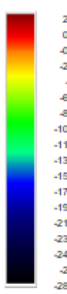


5750.0MHz H+V, Eff: 45.0%

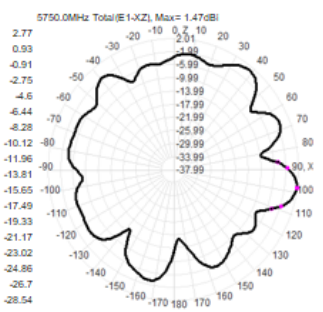


Back View

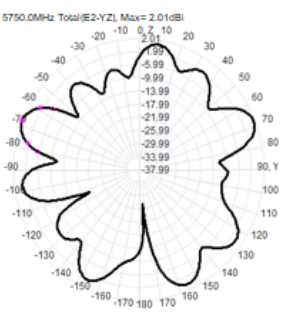




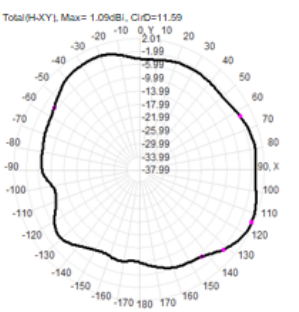
5750.0MHz Total(E1-XZ), Max= 1.47dBi



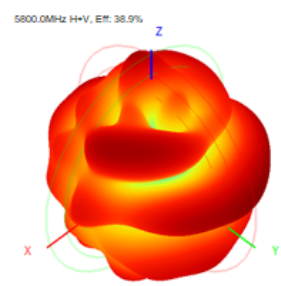
5750.0MHz Total(E2-YZ), Max= 2.01dBi



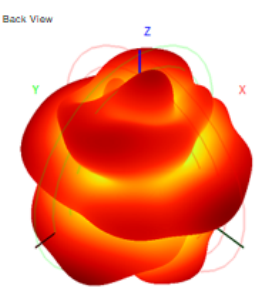
Total(H-XY), Max= 1.09dBi, Clr/D=11.59

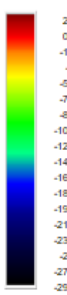


5800.0MHz H+V, Eff: 38.9%

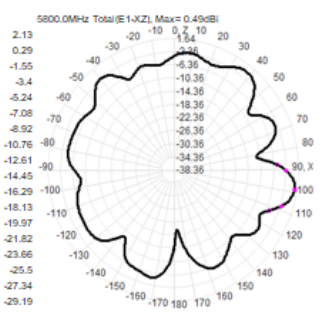


Back View

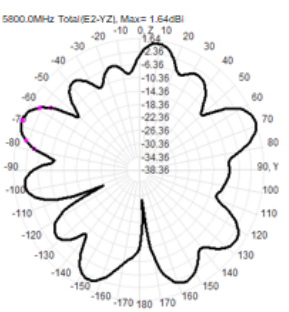




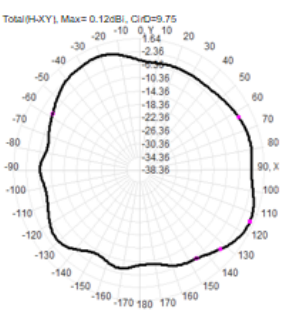
5800.0MHz Total(E1-XZ), Max= 0.49dBi



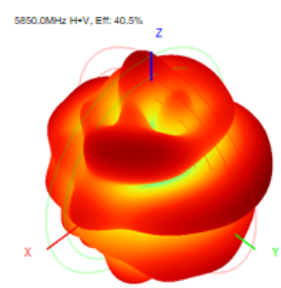
5800.0MHz Total(E2-YZ), Max= 1.64dBi



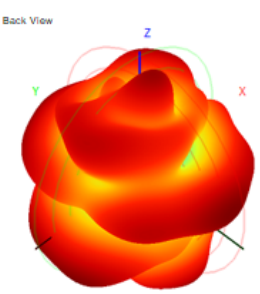
Total(H-XY), Max= 0.12dBi, Clr/D=9.75

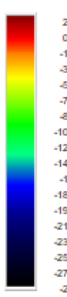


5850.0MHz H+V, Eff: 40.5%

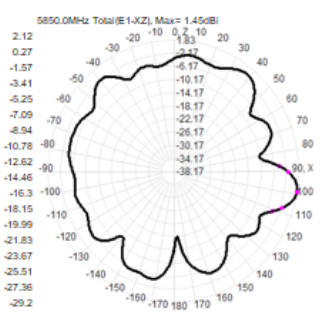


Back View

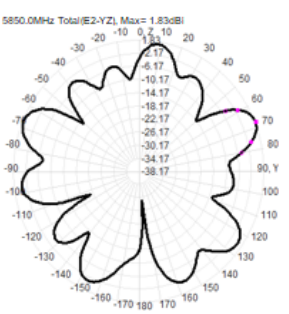




5850.0MHz Total(E1-XZ), Max= 1.45dBi



5850.0MHz Total(E2-YZ), Max= 1.83dBi



Total(H-XY), Max= -0.31dBi, Clr/D=8.64