

Wifi FPC Antenna

I Product Model: KM-040716-XXXX



4.79 dBi peak gain

1.13mm, cable length customzie as request

IPEX connector

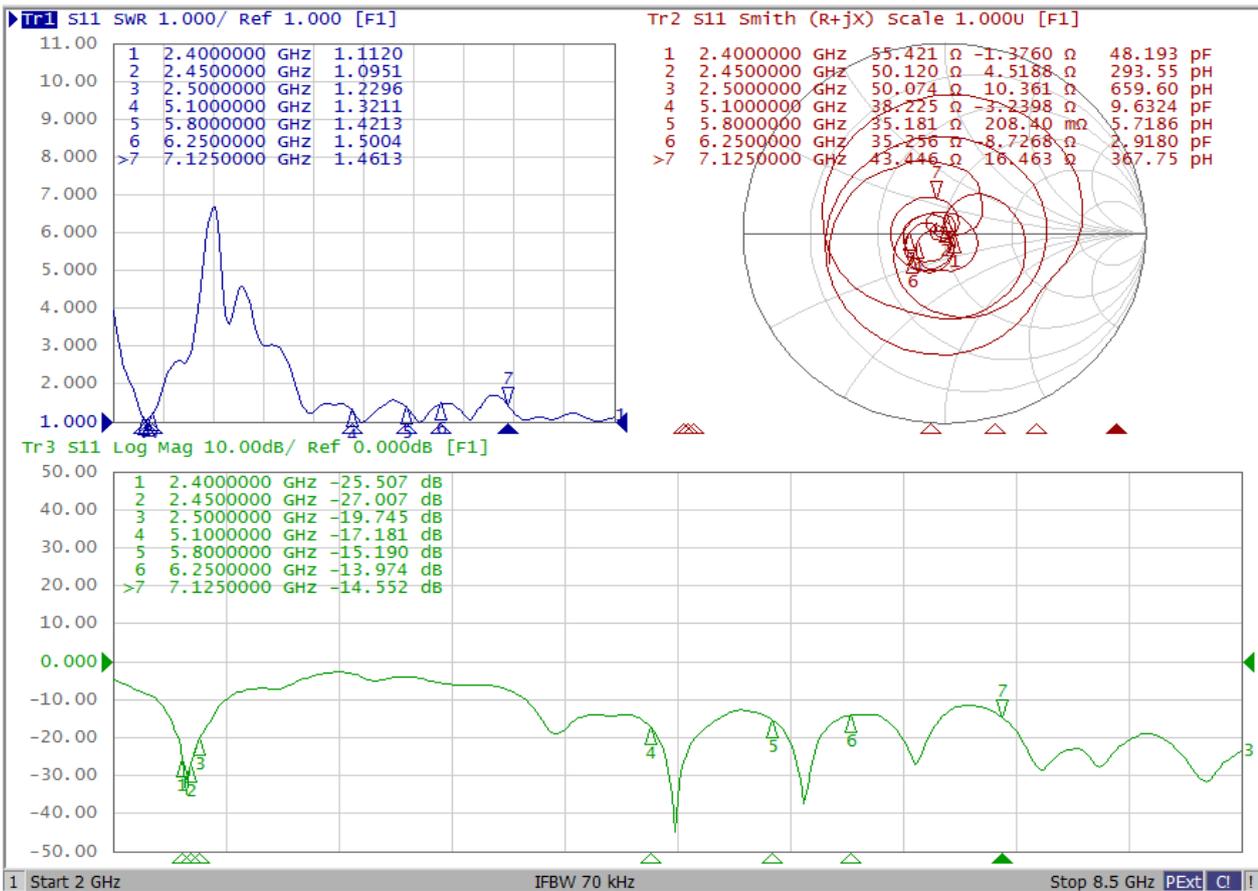
3M Adhesive sticker for easy installation

II Specification

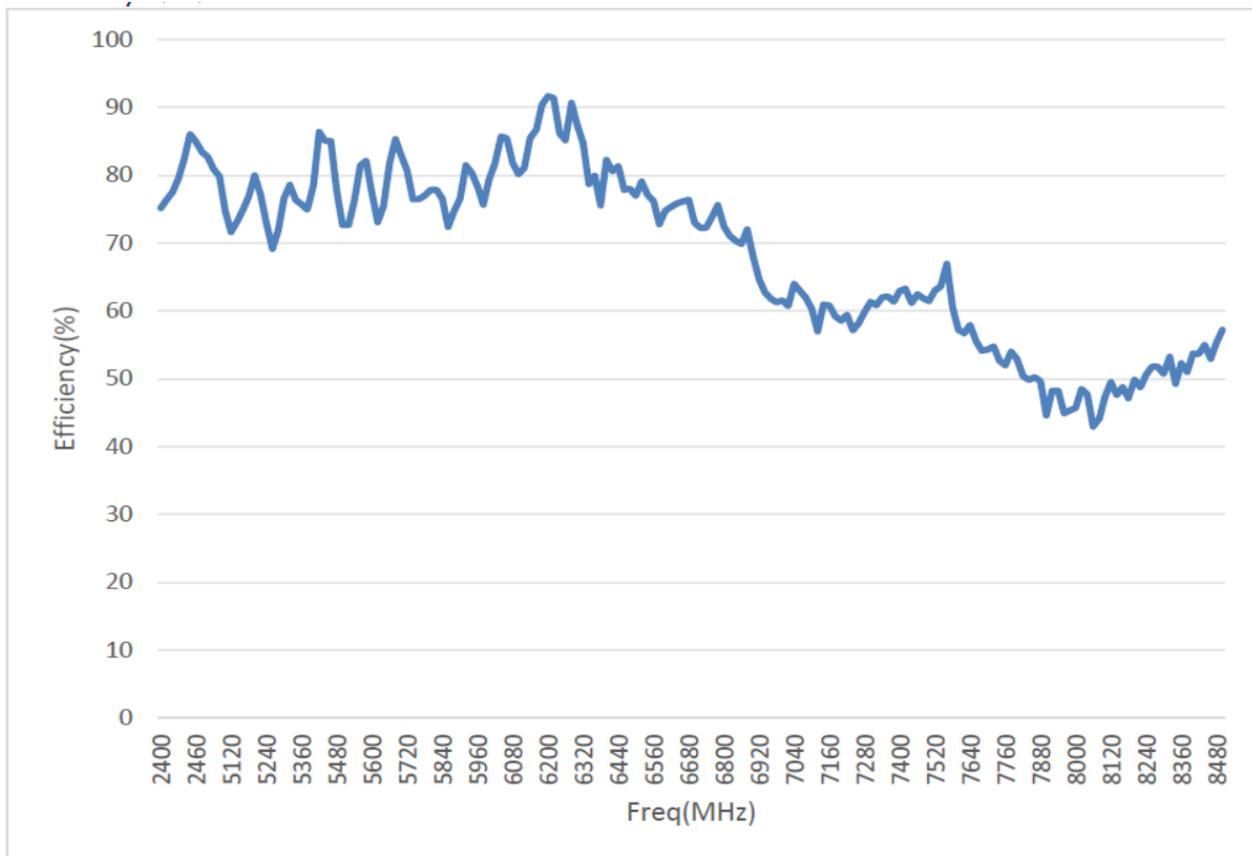
Frequency	2400~2500 MHz & 5100~7200 MHz
V.S.W.R	≤ 2.0
Peak Gain (Typical)	4.79 dBi
Peak Efficiency	91.39%
Impedance	50 Ω
Max Power (Ambient temp. of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear
Color	Black
Storage Temperature	-40°C ~ +85°C
Operational Temperature	-40°C ~ +85° C
Material Substance Compliance	REACH/ RoHS Compliant
Antenna Size	35.2 x 8.5 x 0.2 mm
Connector	IPEX MHF Plug
Cable	1.13mm

III Electrical Data

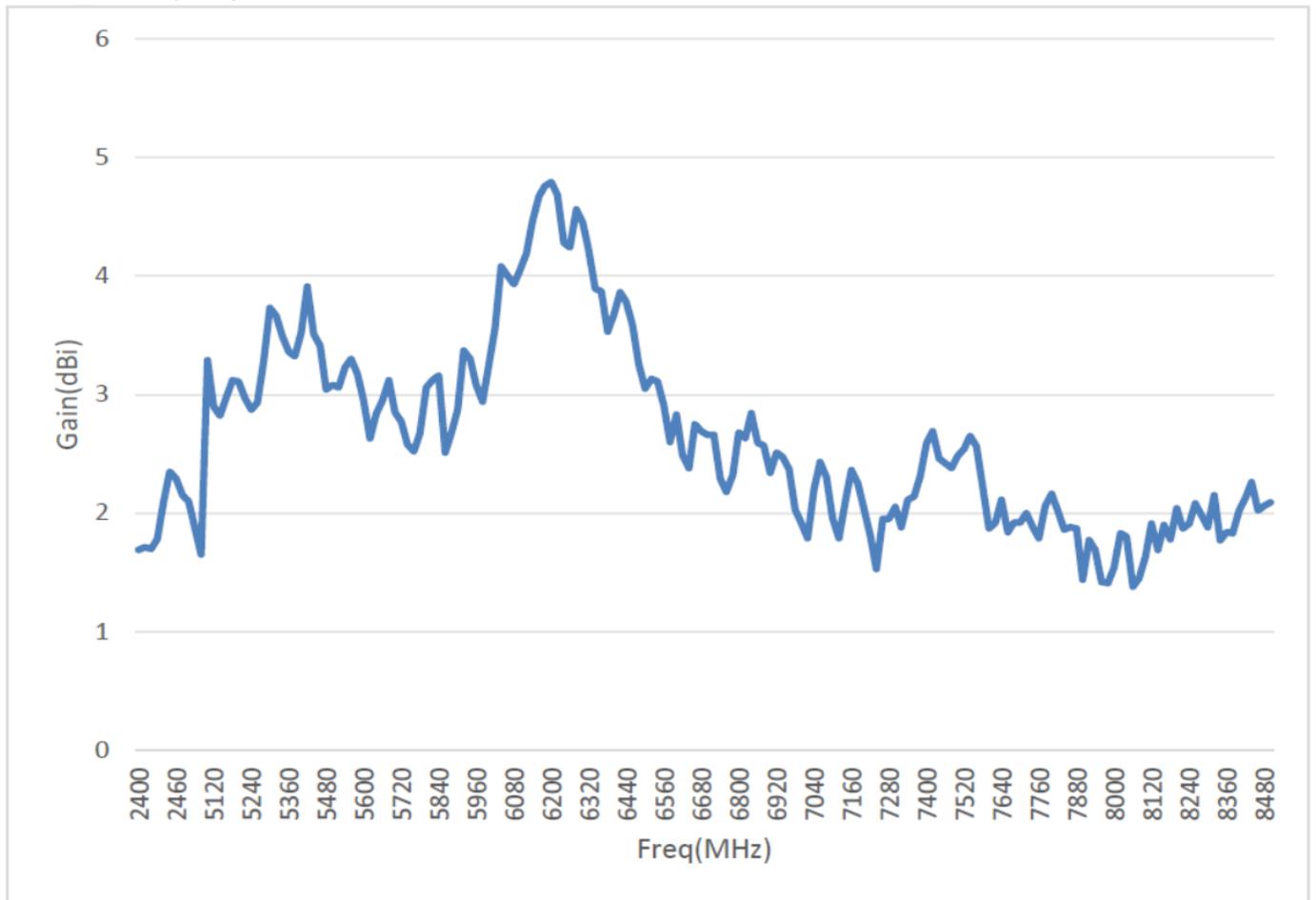
Return Loss



Efficiency (%)



Peak Gain (dBi)

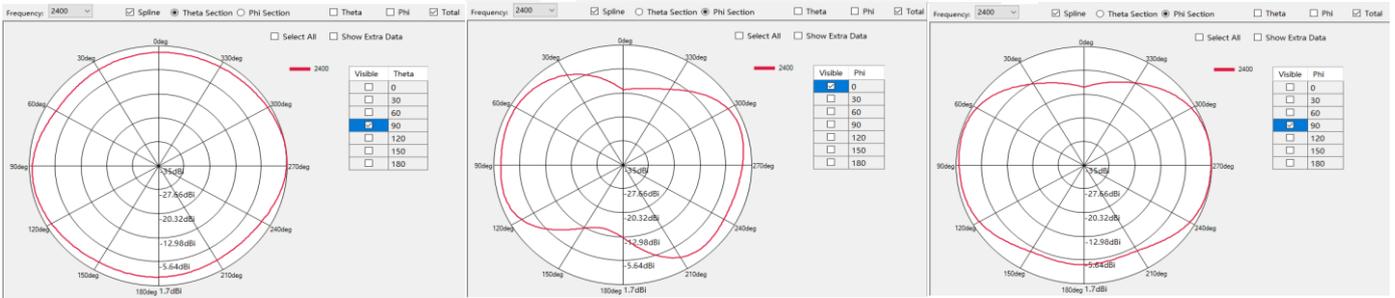


Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.69	75.21	6100	4.05	80.14	7320	1.88	60.88
2410	1.71	76.44	6120	4.19	81.09	7340	2.11	62.04
2420	1.7	77.51	6140	4.46	85.47	7360	2.14	62.1
2430	1.78	79.49	6160	4.67	86.7	7380	2.31	61.38
2440	2.1	82.42	6180	4.76	90.44	7400	2.59	62.96
2450	2.35	86.08	6200	4.79	91.64	7420	2.69	63.24
2460	2.29	84.96	6220	4.68	91.39	7440	2.46	61.19
2470	2.15	83.43	6240	4.28	86.21	7460	2.42	62.45
2480	2.1	82.7	6260	4.24	85.19	7480	2.38	61.85
2490	1.87	80.89	6280	4.56	90.64	7500	2.48	61.47
2500	1.65	79.86	6300	4.45	87.36	7520	2.54	62.99
5100	3.29	74.75	6320	4.21	84.73	7540	2.65	63.63
5120	2.9	71.68	6340	3.89	78.73	7560	2.56	66.93
5140	2.82	73.22	6360	3.87	79.93	7580	2.21	60.47
5160	2.97	74.96	6380	3.53	75.58	7600	1.87	57.21
5180	3.12	76.92	6400	3.67	82.27	7620	1.92	56.76
5200	3.11	79.96	6420	3.86	80.59	7640	2.11	57.92
5220	2.97	77.25	6440	3.78	81.35	7660	1.84	55.59
5240	2.87	73.05	6460	3.58	77.85	7680	1.92	54.19

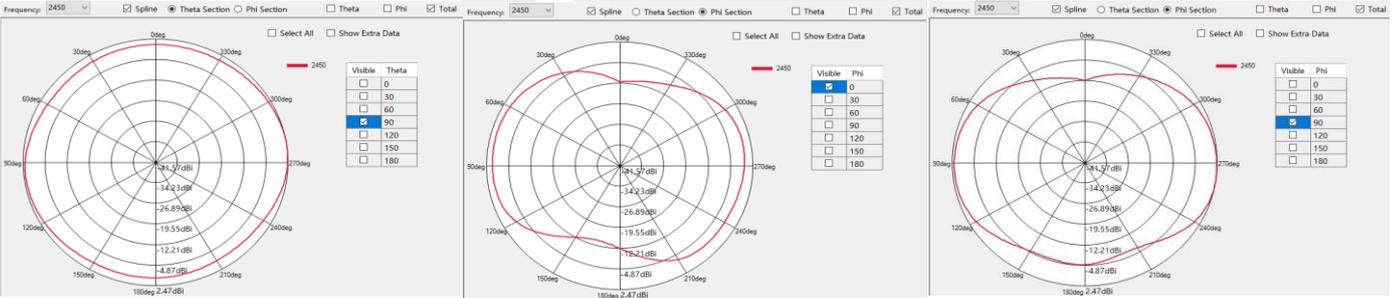
Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)
5260	2.93	69.19	6480	3.26	78	7700	1.92	54.32
5280	3.29	71.86	6500	3.05	76.97	7720	2	54.75
5300	3.73	76.53	6520	3.13	79.09	7740	1.88	52.66
5320	3.66	78.69	6540	3.11	77.07	7760	1.79	51.99
5340	3.49	76.38	6560	2.9	76.16	7780	2.06	54
5360	3.36	75.74	6580	2.6	72.79	7800	2.16	52.93
5380	3.32	74.94	6600	2.83	74.76	7820	2.02	50.41
5400	3.52	78.54	6620	2.49	75.35	7840	1.86	49.85
5420	3.91	86.36	6640	2.38	75.86	7860	1.88	50.26
5440	3.51	85.08	6660	2.75	76.12	7880	1.87	49.62
5460	3.41	85.02	6680	2.69	76.39	7900	1.44	44.61
5480	3.04	77.76	6700	2.66	73	7920	1.77	48.21
5500	3.08	72.71	6720	2.66	72.26	7940	1.69	48.2
5520	3.06	72.7	6740	2.18	72.28	7960	1.42	44.94
5540	3.23	76.31	6760	2.32	73.87	7980	1.41	45.32
5560	3.3	81.4	6780	2.32	75.59	8000	1.54	45.74
5580	3.17	82.16	6800	2.68	72.48	8020	1.83	48.48
5600	2.95	77.39	6820	2.63	71.08	8040	1.8	47.9
5620	2.63	73.12	6840	2.84	70.39	8060	1.38	42.78
5640	2.84	75.45	6860	2.59	69.88	8080	1.45	44.13
5660	2.95	81.84	6880	2.57	71.99	8100	1.63	47.41
5680	3.12	85.31	6900	2.34	68.08	8120	1.91	49.51
5700	2.85	82.88	6920	2.51	64.64	8140	1.69	47.59
5720	2.77	80.72	6940	2.47	62.74	8160	1.9	48.79
5740	2.58	76.48	6960	2.37	61.82	8180	1.78	47.17
5760	2.52	76.5	6980	2.03	61.25	8200	2.04	49.91
5780	2.67	77.04	7000	1.91	61.55	8220	1.87	48.75
5800	3.06	77.83	7020	1.79	60.73	8240	1.91	50.59
5820	3.12	77.89	7040	2.2	64	8260	2.08	51.78
5840	3.16	76.51	7060	2.43	62.9	8280	1.98	51.78
5860	2.51	72.41	7080	2.3	61.9	8300	1.88	50.73
5880	2.67	74.64	7100	1.96	60.26	8320	2.15	53.24
5900	2.87	76.59	7120	1.79	56.98	8340	1.77	49.29
5920	3.37	81.46	7140	2.1	60.93	8360	1.84	52.06
5940	3.5	80.35	7160	2.36	60.82	8380	1.83	51.23
5960	3.08	78.37	7180	2.25	59.2	8400	2.02	53.7
5980	2.94	75.69	7200	2.04	58.57	8420	2.13	53.65
6000	3.24	79.43	7220	1.81	59.44	8440	2.26	55.01
6020	3.56	81.74	7240	1.53	57.17	8460	2.02	52.98
6040	4.08	85.72	7260	1.95	58.17	8480	2.06	55.35
6060	4	85.41	7280	1.95	59.84	8500	2.09	57.18
6080	3.93	81.81	7300	2.05	61.32	-	-	-

Radiation Patterns

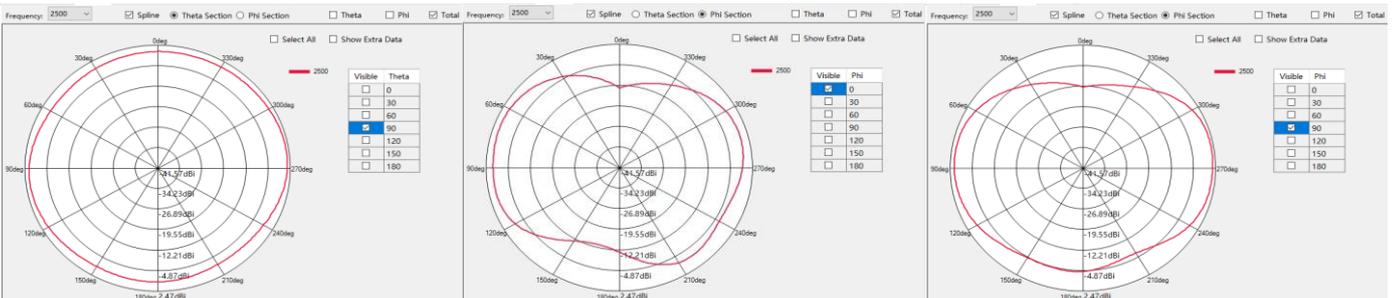
2400MHz Gain = 1.69 dBi



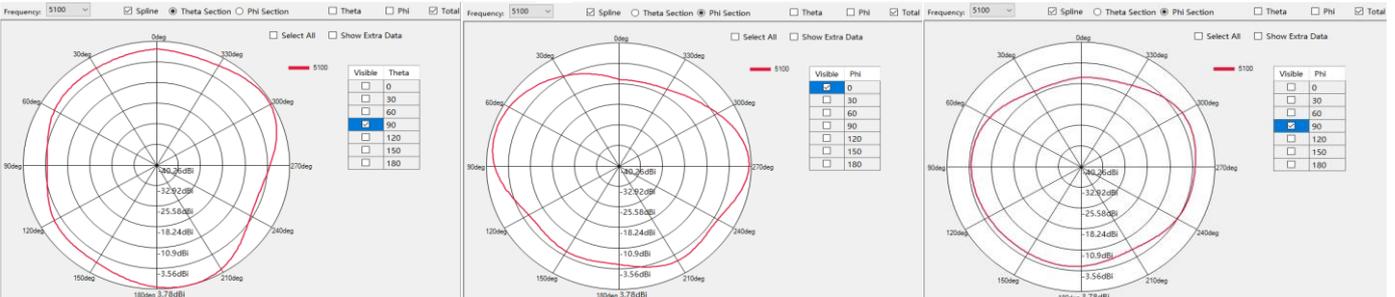
2450MHz Gain=2.35dBi



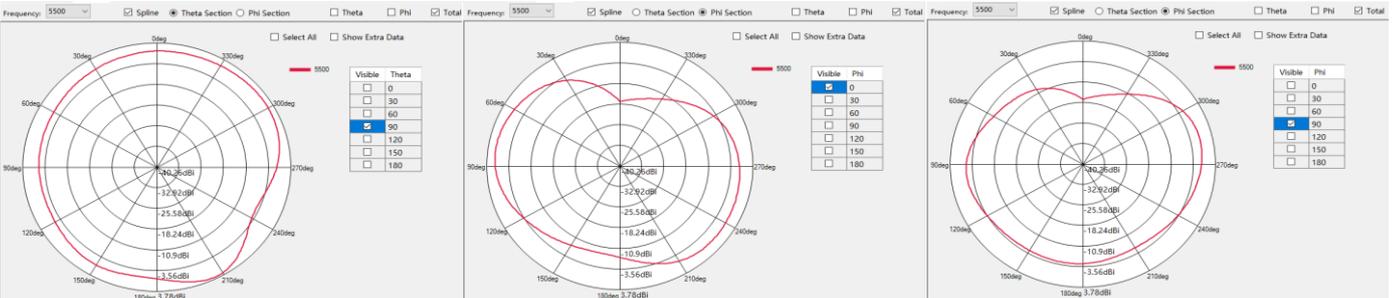
2500MHz Gain=1.65dBi



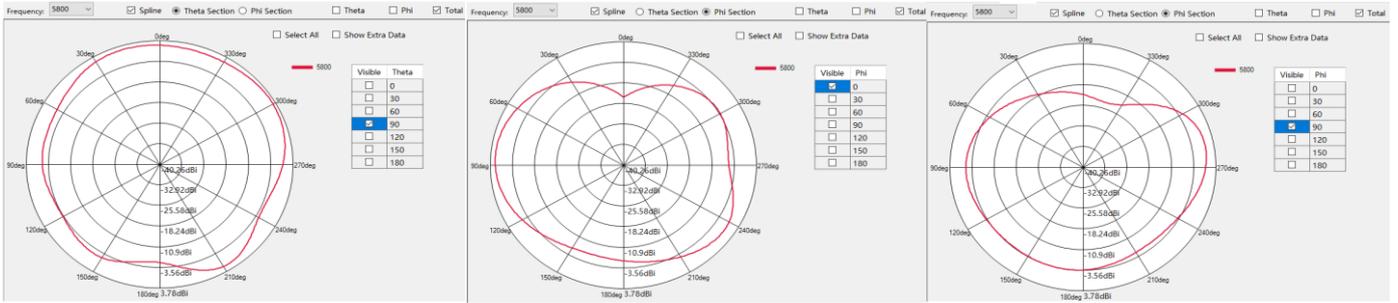
5100MHz Gain=3.29dBi



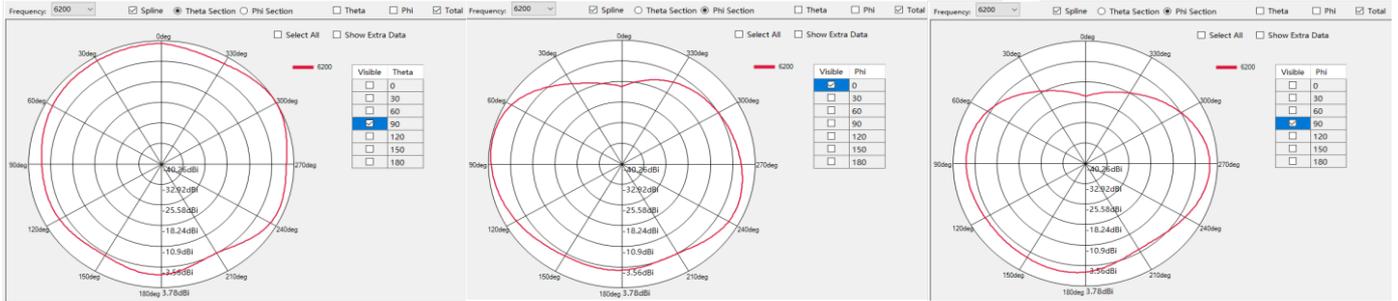
5500MHz Gain=3.08dBi



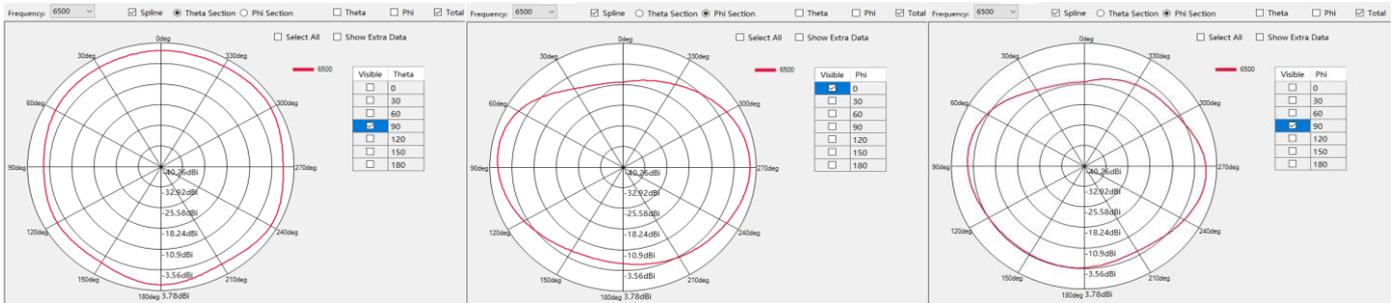
5800MHz Gain=3.06dBi



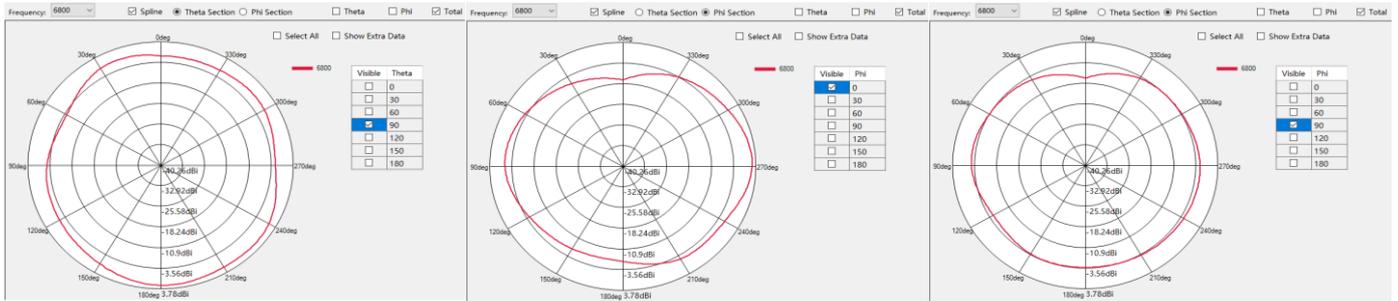
6200MHz Gain=4.79dBi



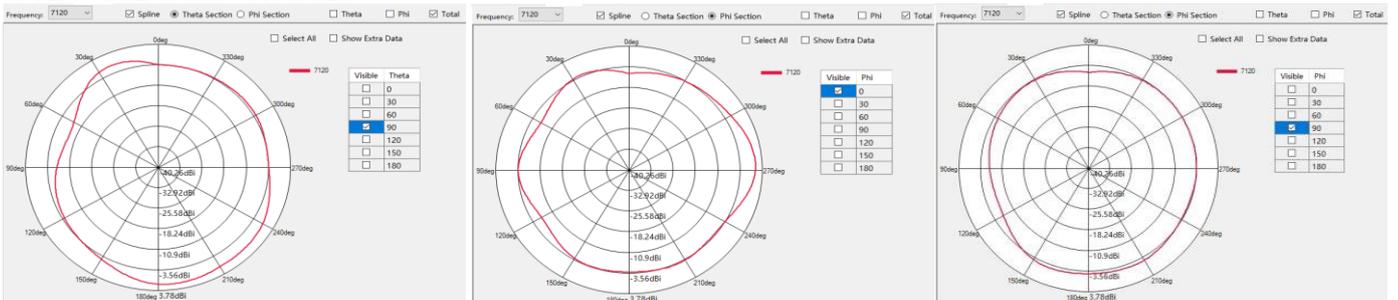
6500MHz Gain=3.05dBi



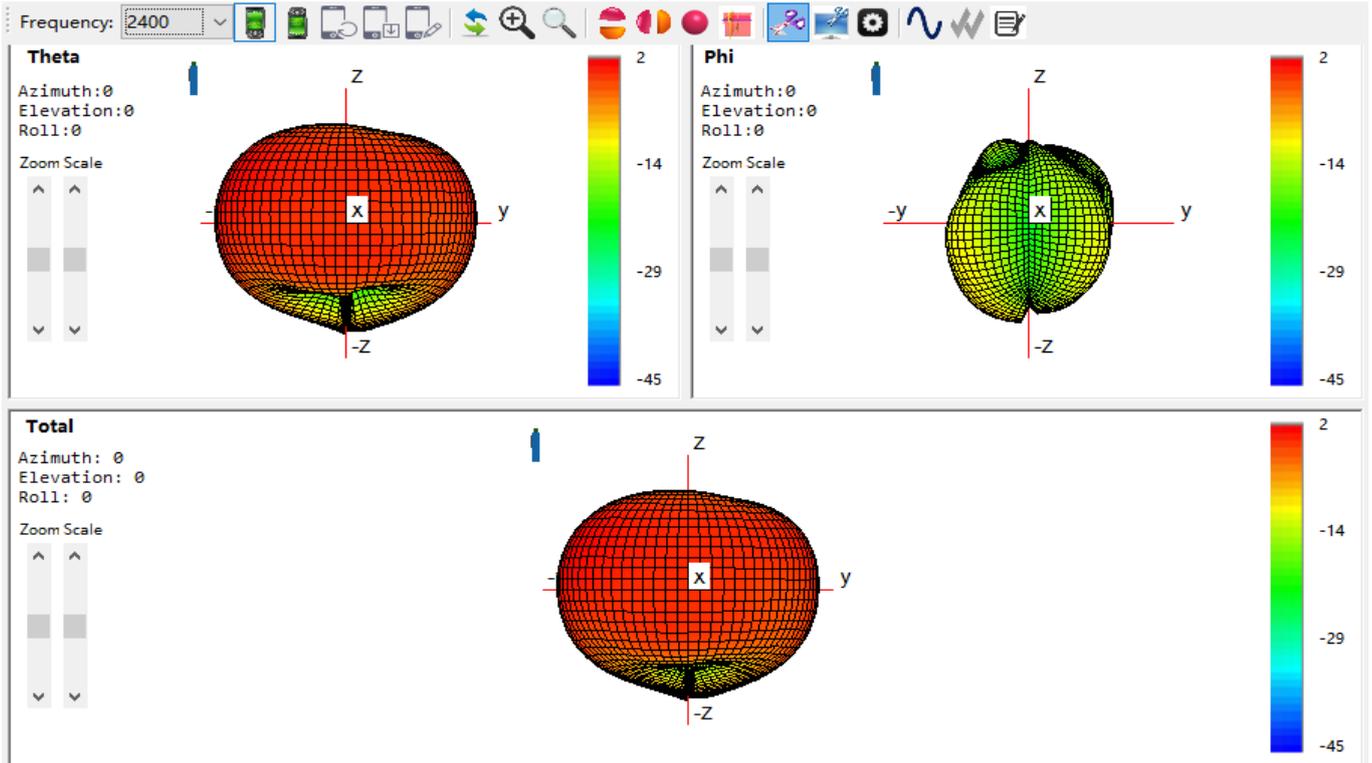
6800MHz Gain=2.68dBi



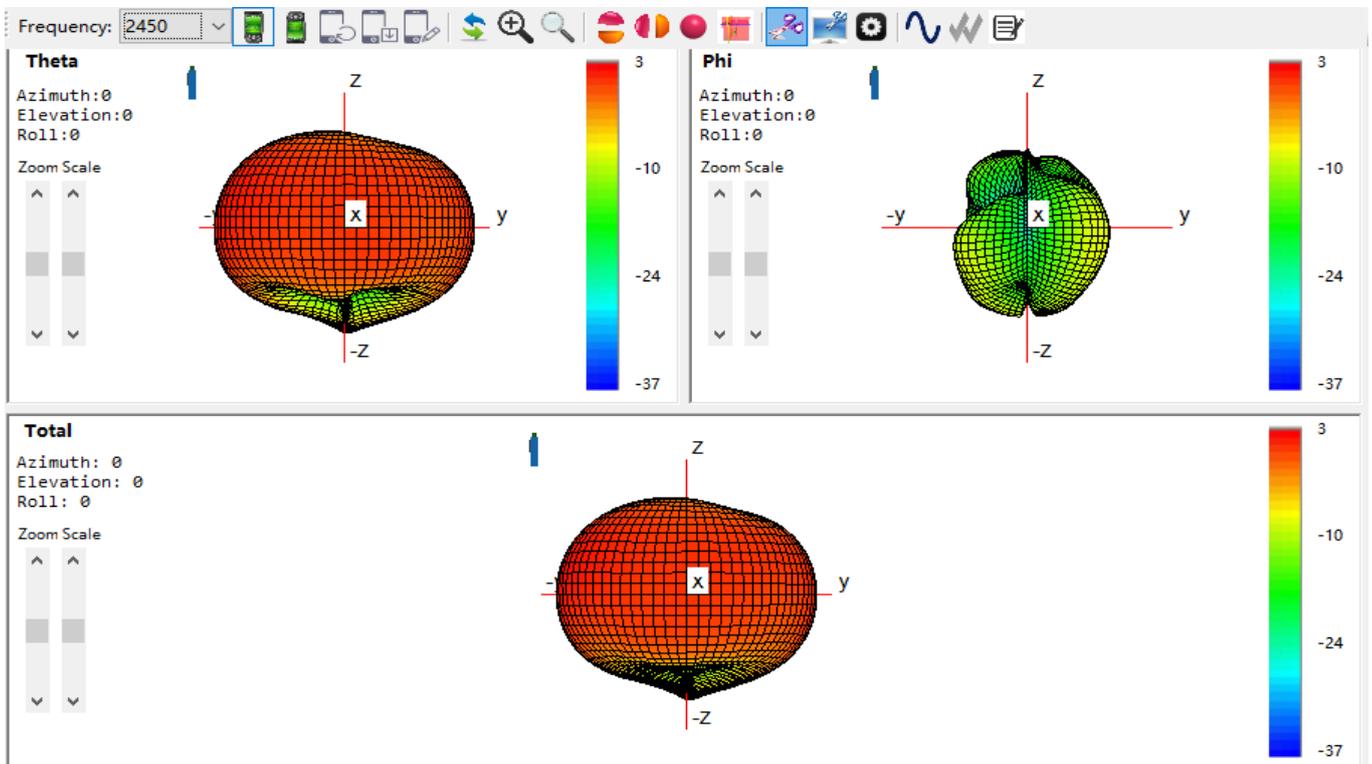
7120MHz Gain=1.79dBi



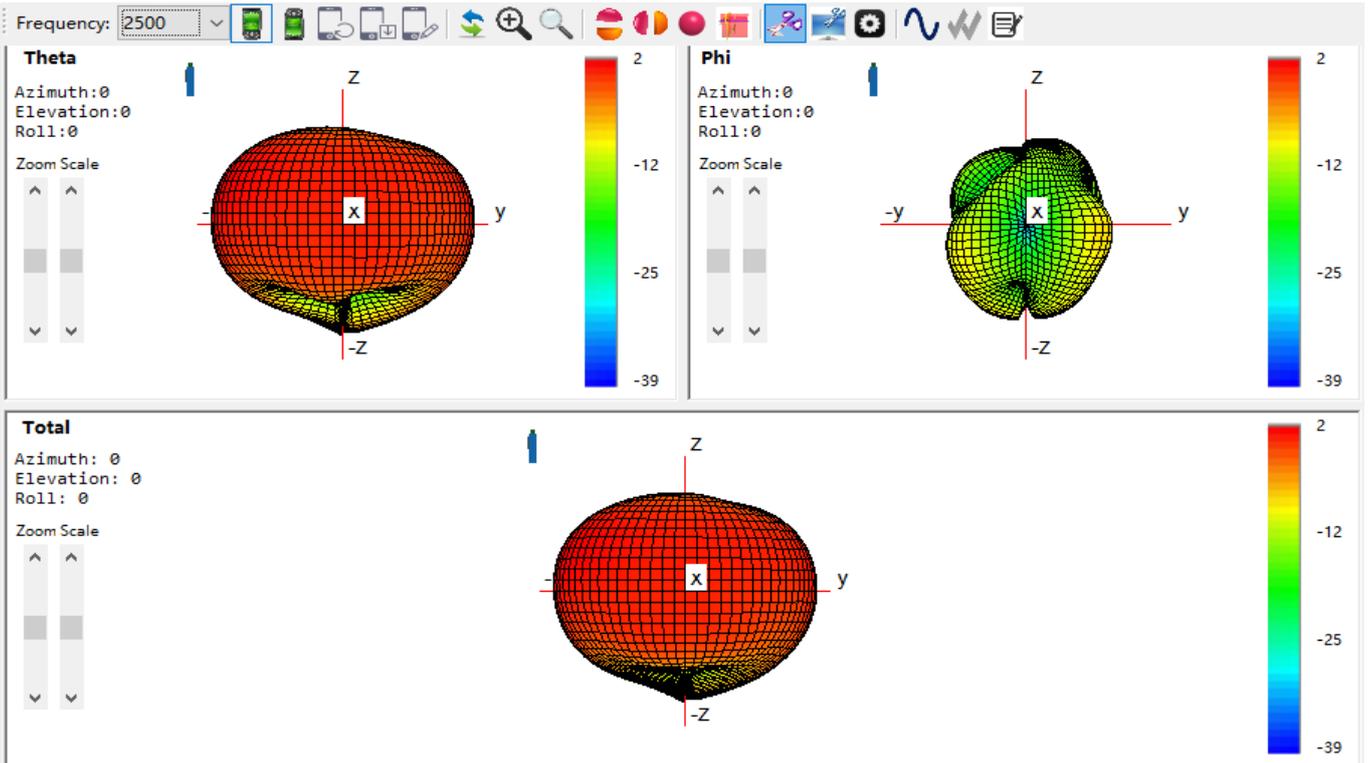
2400MHz Gain=1.69dBi



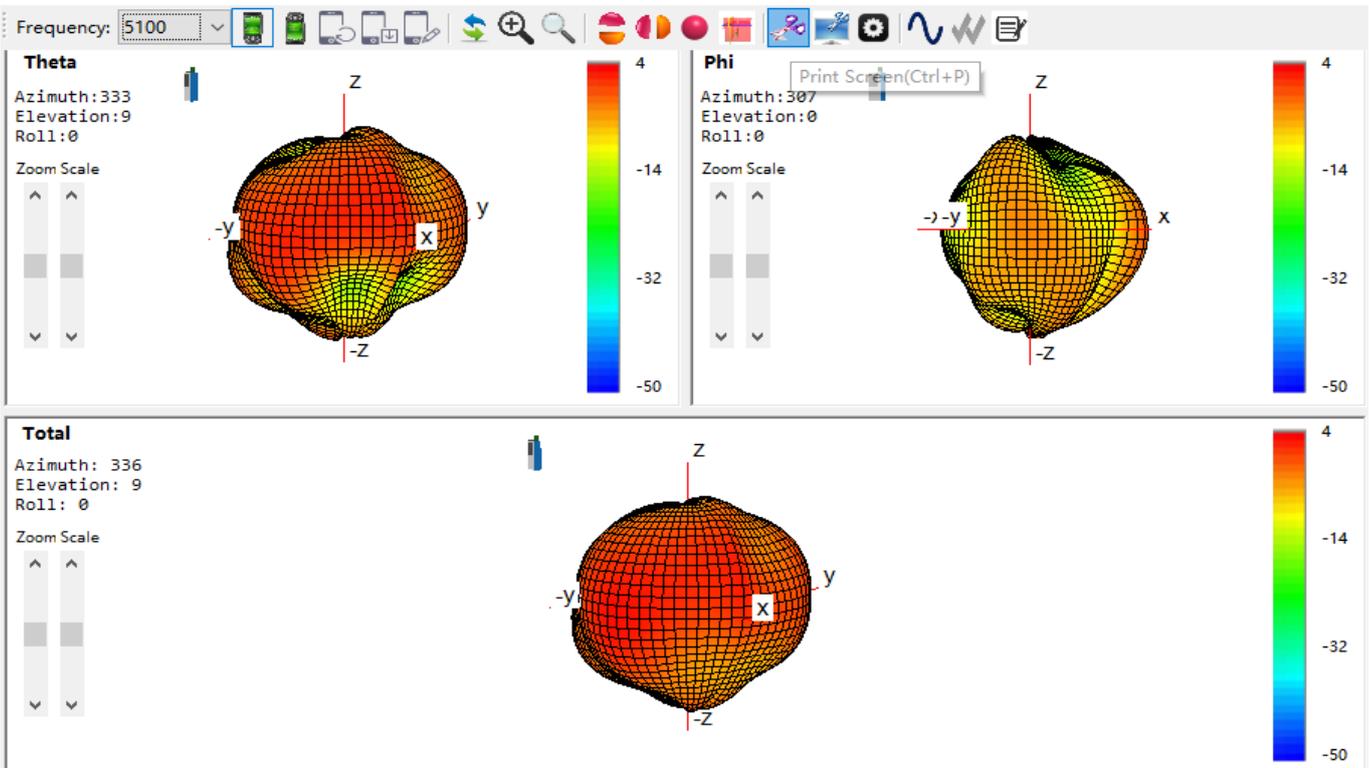
2450MHz Gain=2.35dBi



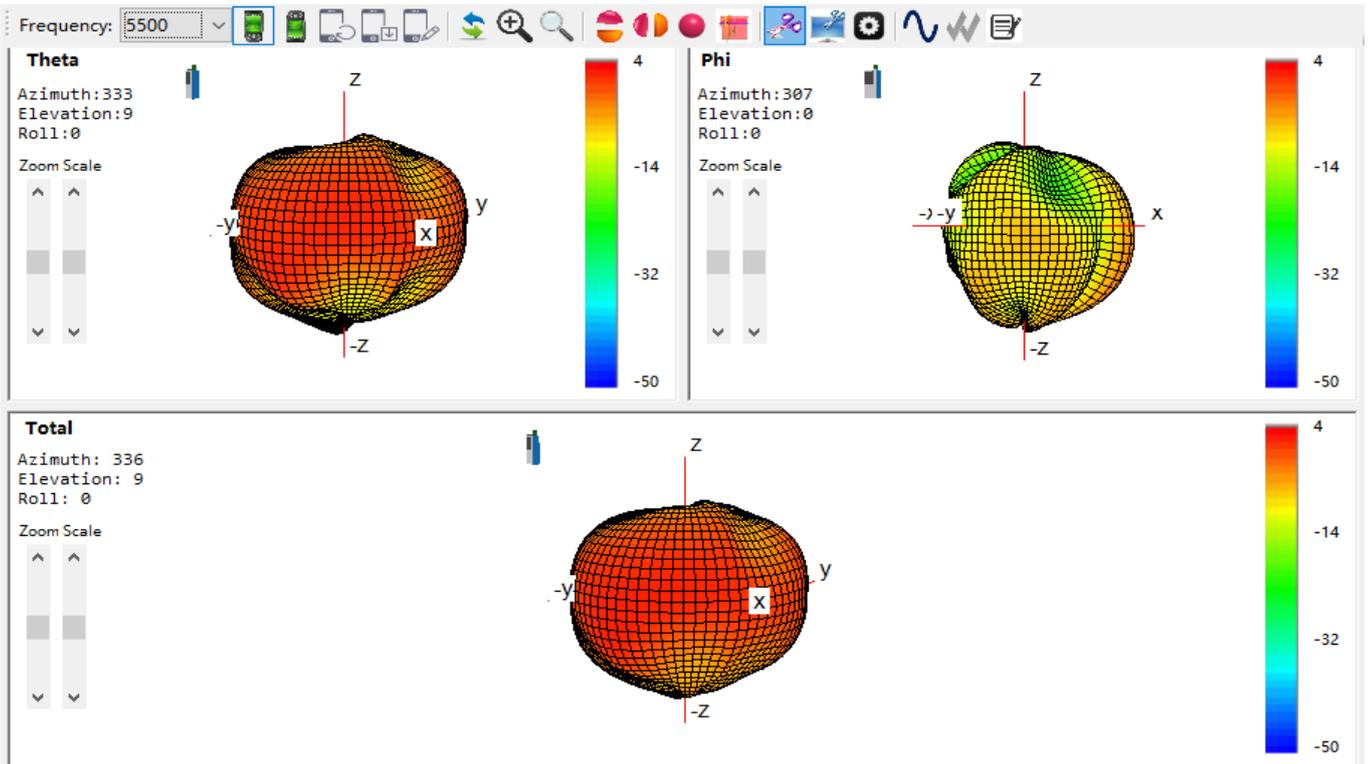
2500MHz Gain=1.65dBi



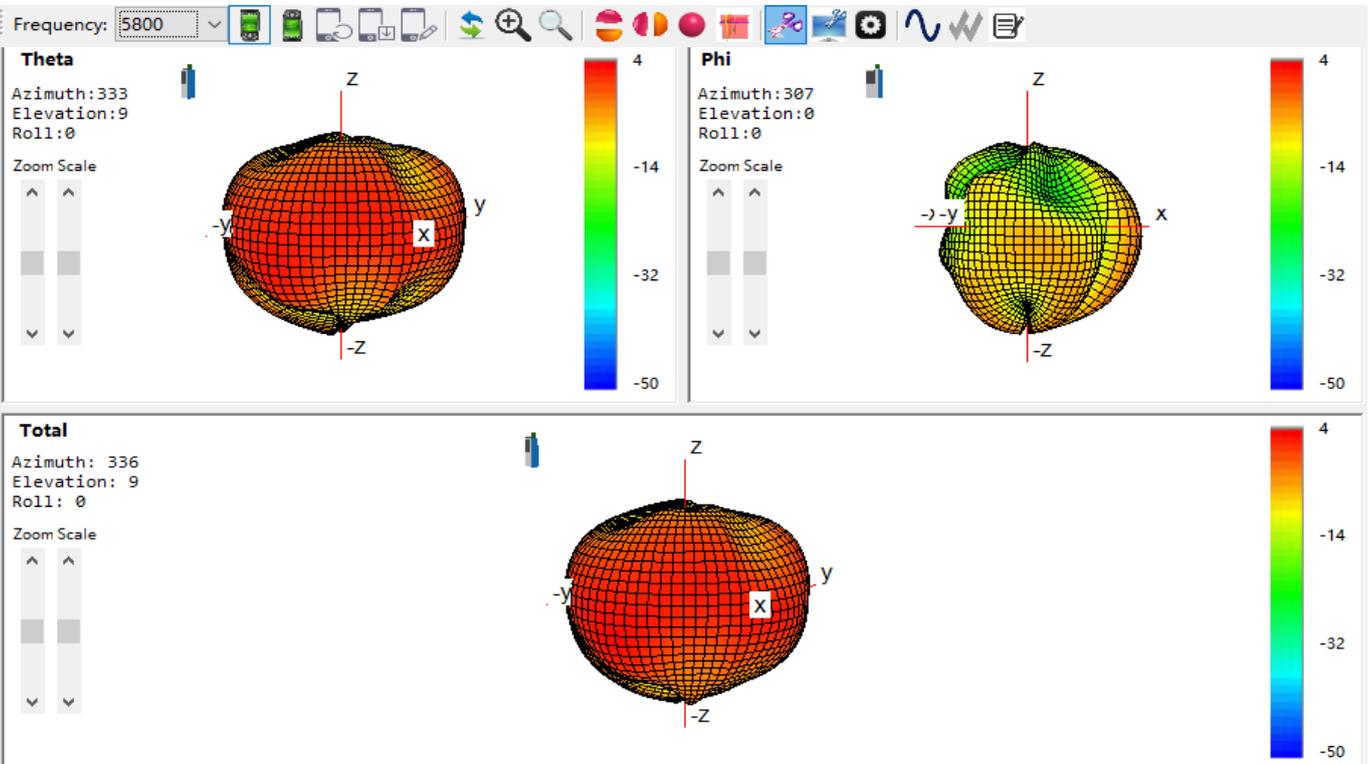
5100MHz Gain=3.29dBi



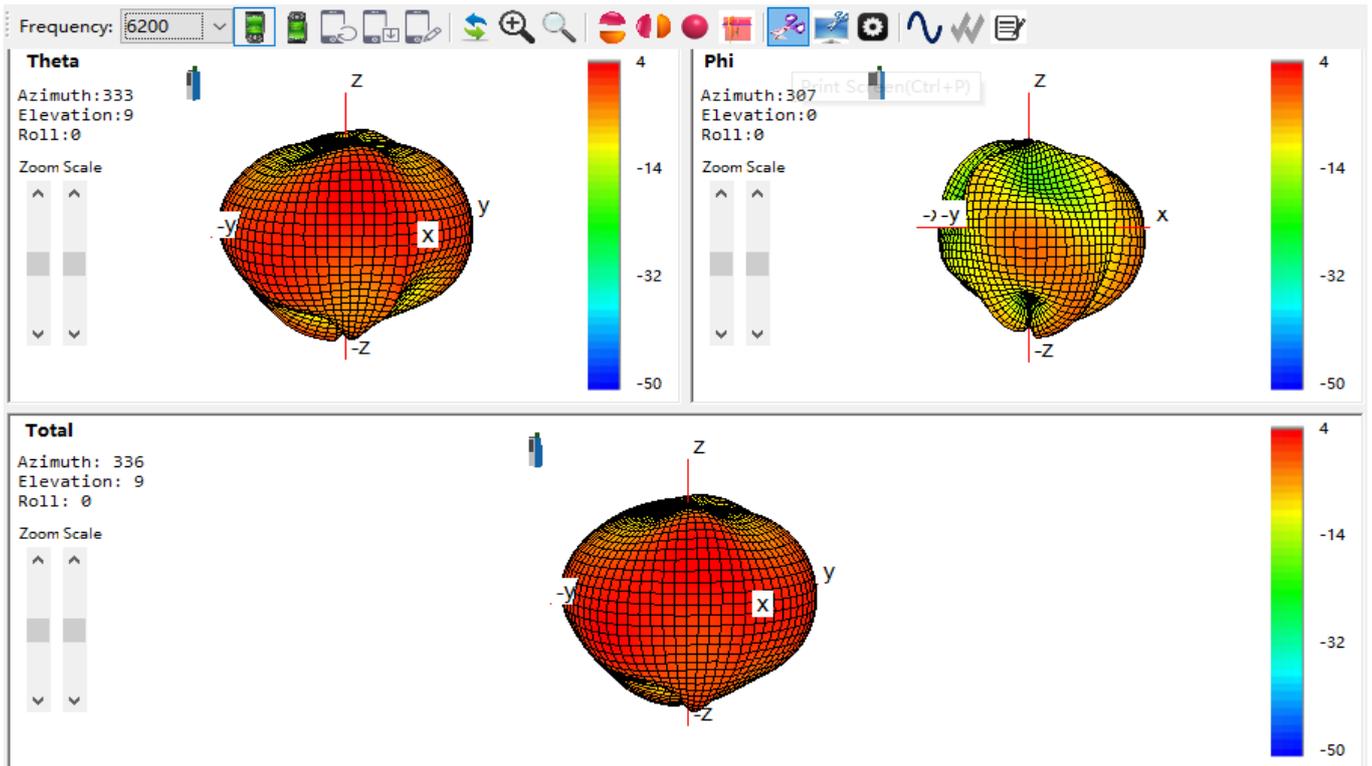
5500MHz Gain=3.08dBi



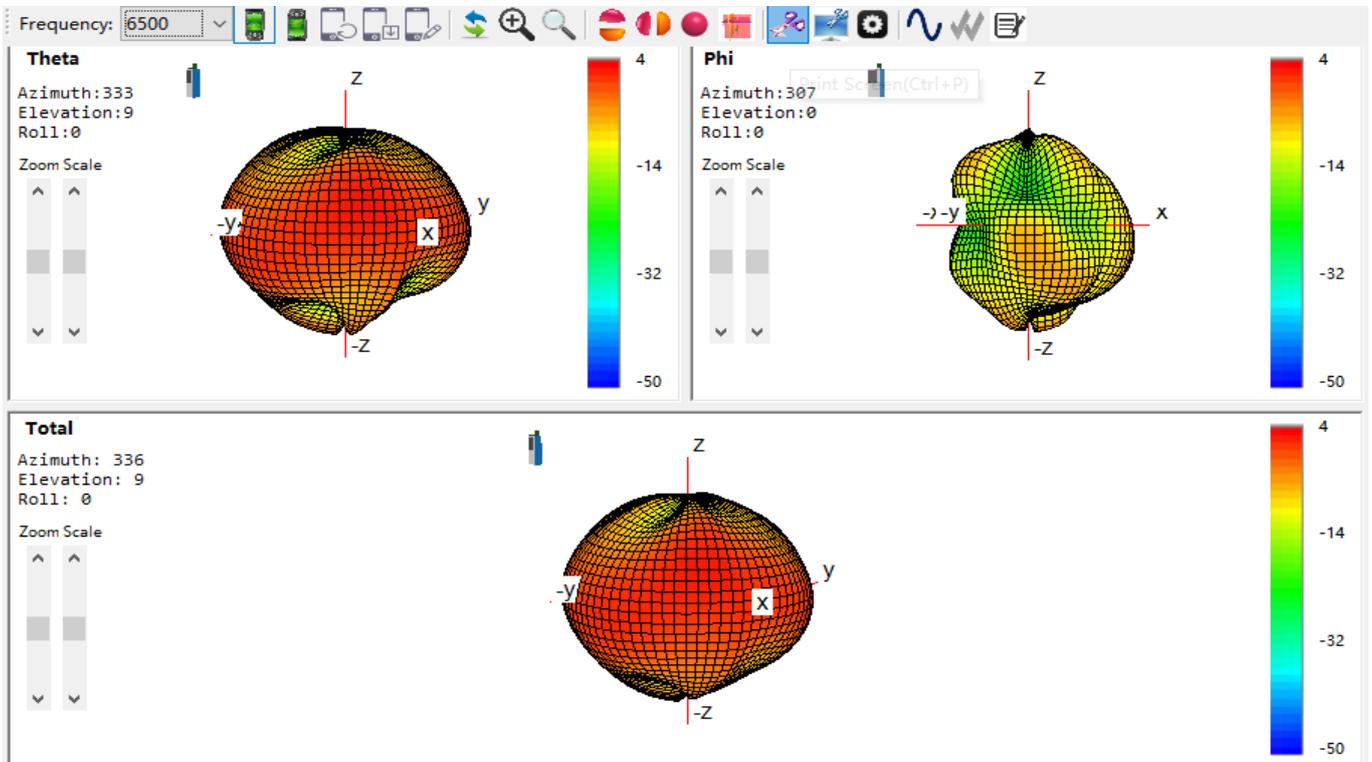
5800MHz Gain=3.06dBi



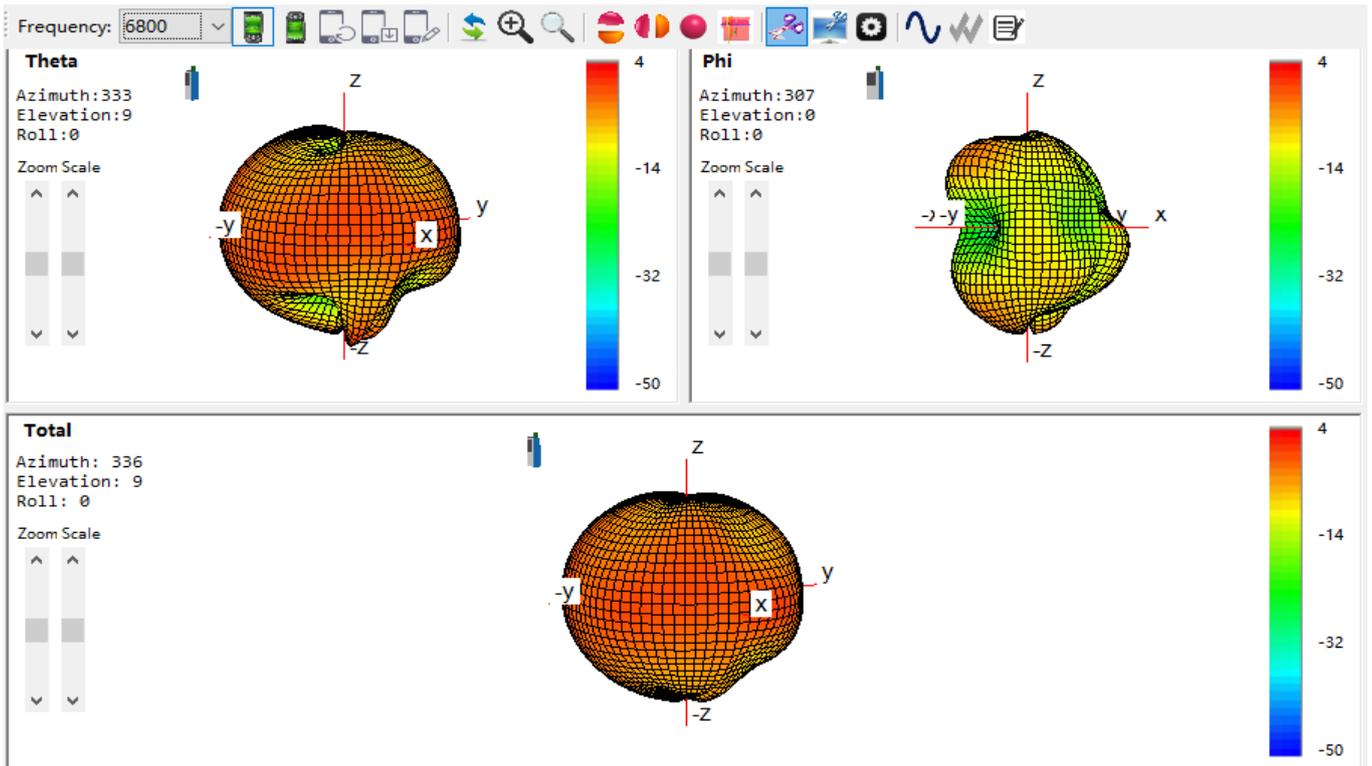
6200MHz Gain=4.79dBi



6500MHz Gain=3.05dBi



6800MHz Gain=2.68dBi



7120MHz Gain=1.79dBi

