ATS-15-Antenna Specification

1、Electrical performance

1.1） Type of Antenna: FPC WIDE DUAL BAND ANTENNA WITH

1.2） Frequency range: 2400MHz ~ 5900MHz

1.3） Gain:1.37 dBi

1.4） Impedance: 50 ohm

1.5） VSWR:≤2.5

1.6） Return Loss:< -10dB

1.7） Polarization: Linear

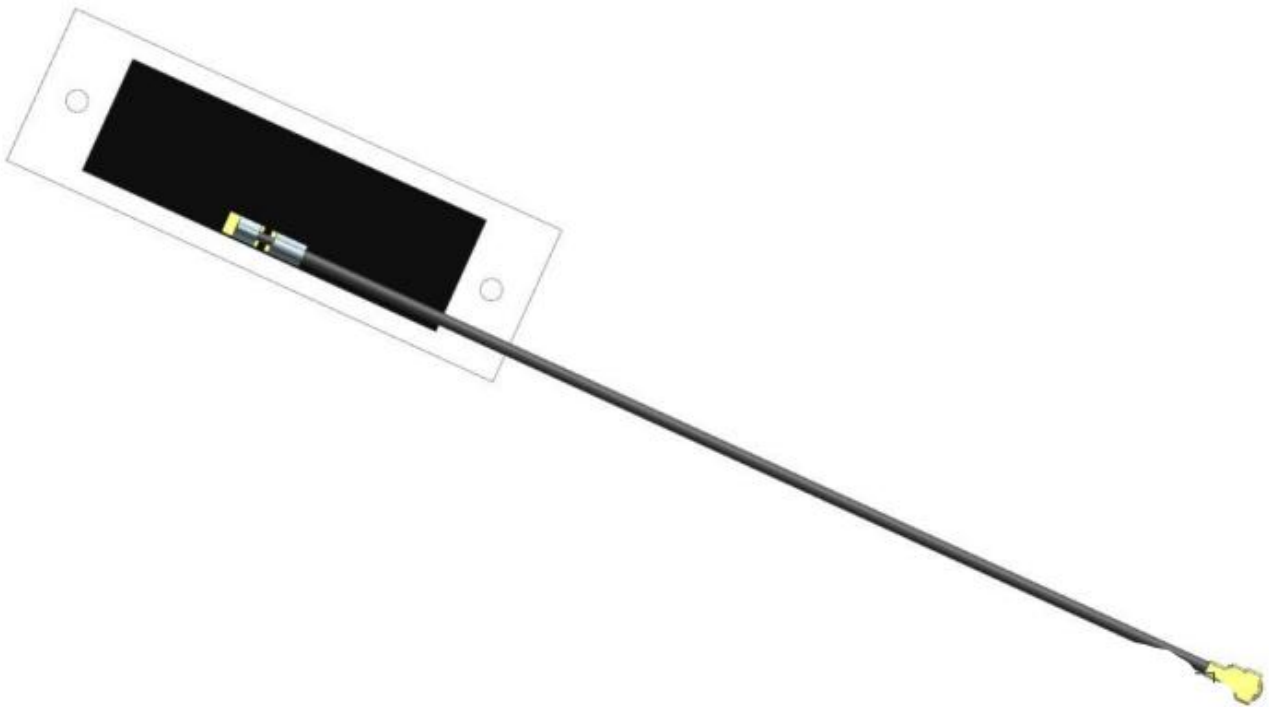
1.8） Radiation: Omni-directional

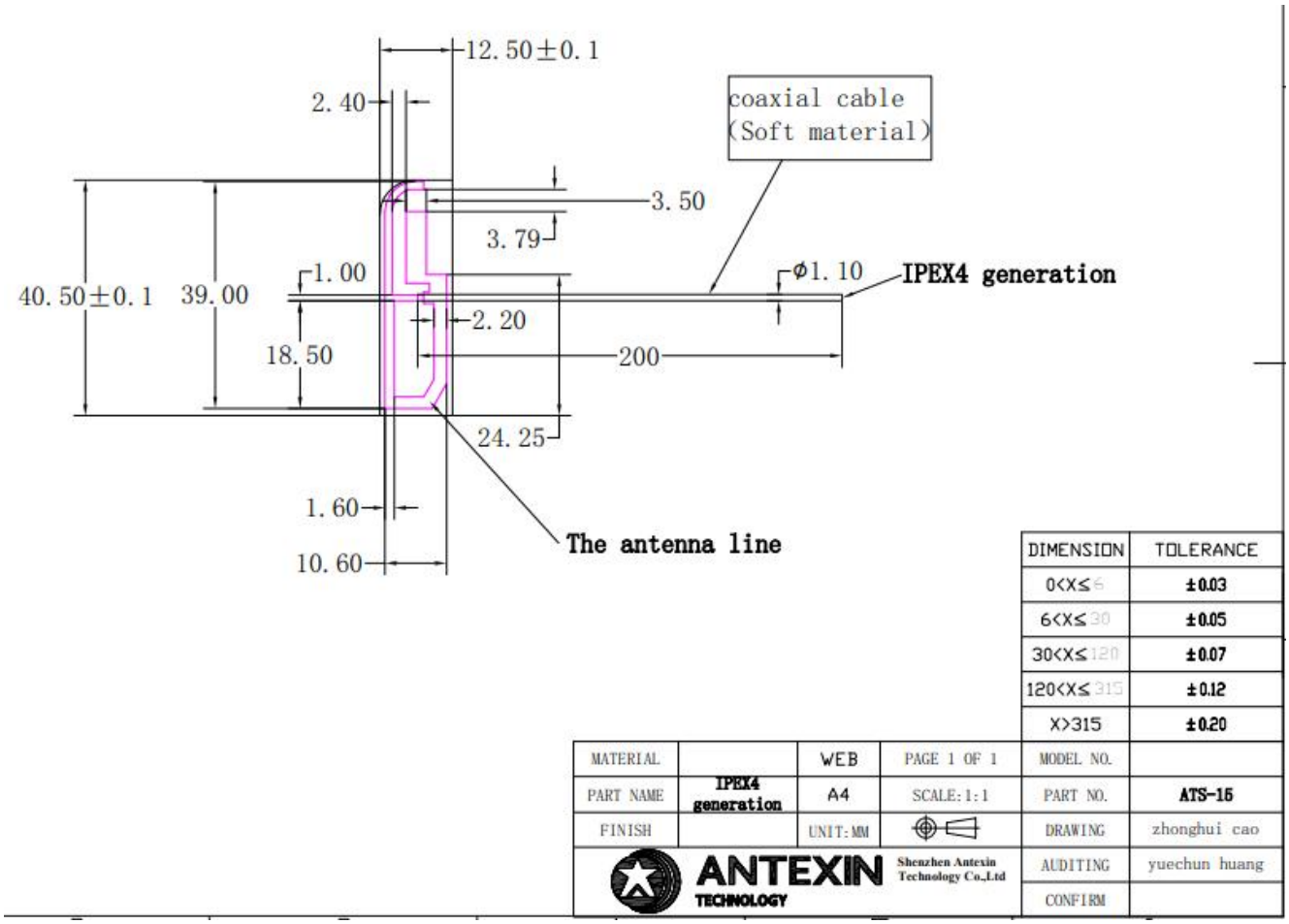
1.9） Model: ATS-15-ANT

1.10） Manufacturer: Shenzhen Antexin Technology Co.,Ltd

1.11） Brand: Shenzhen Antexin Technology Co.,Ltd

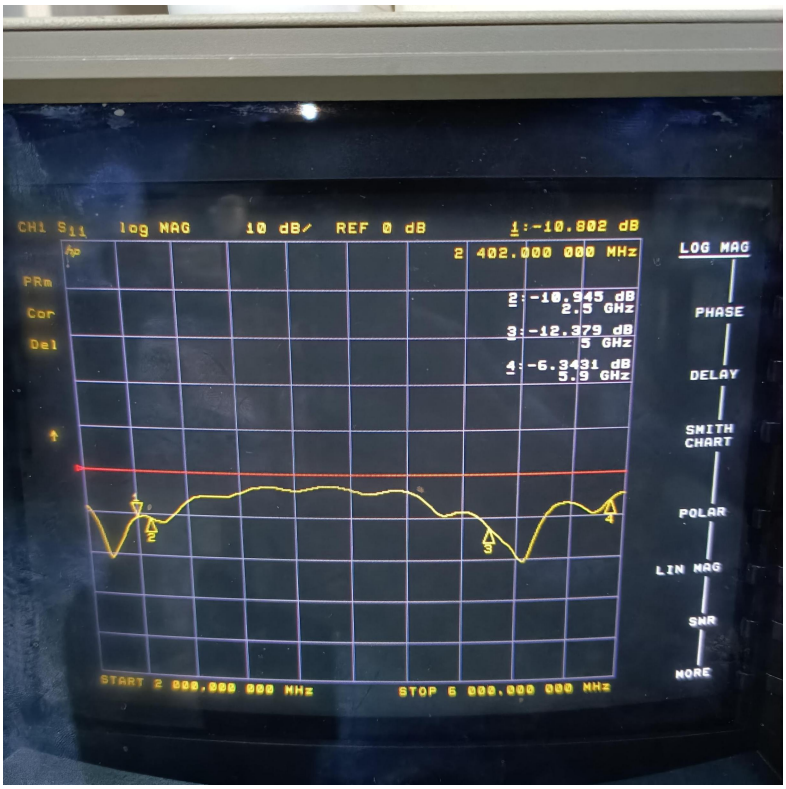
2、Antenna graph



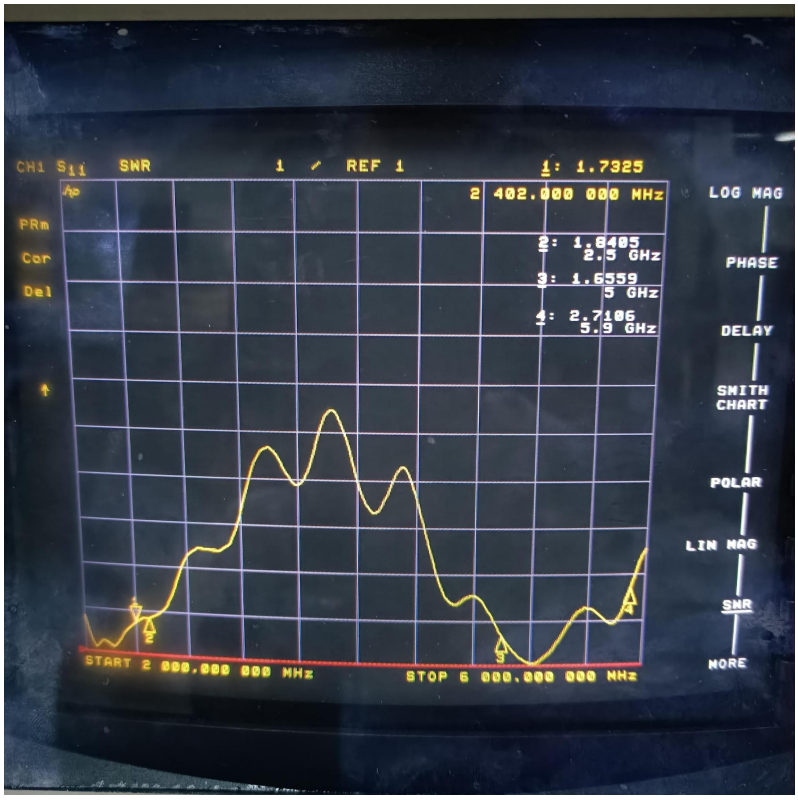


(a) FPC Double panel antenna

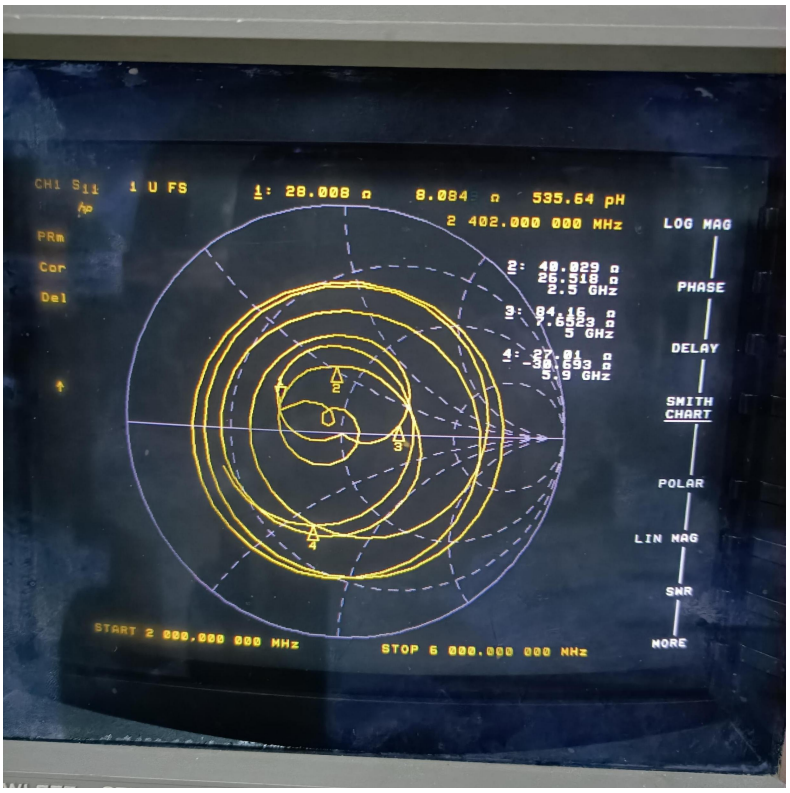
3、Nework analyzer graph



(b) Return Loss



(c) VSWR



(d) Smith Chart

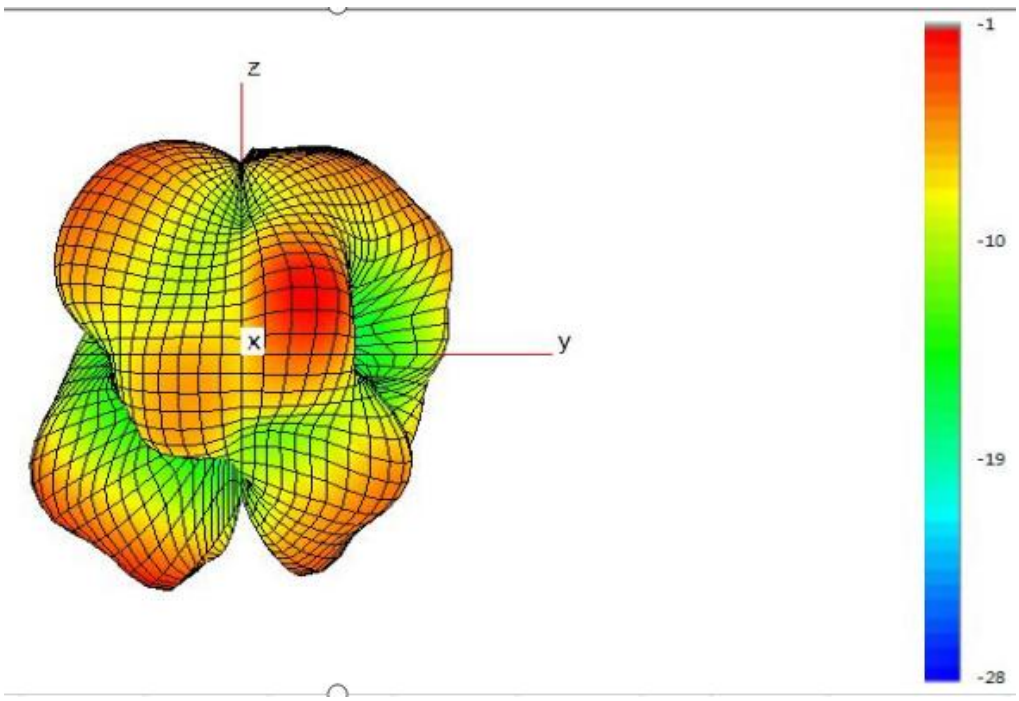
4、Gain pattern

4.1）Gain chart

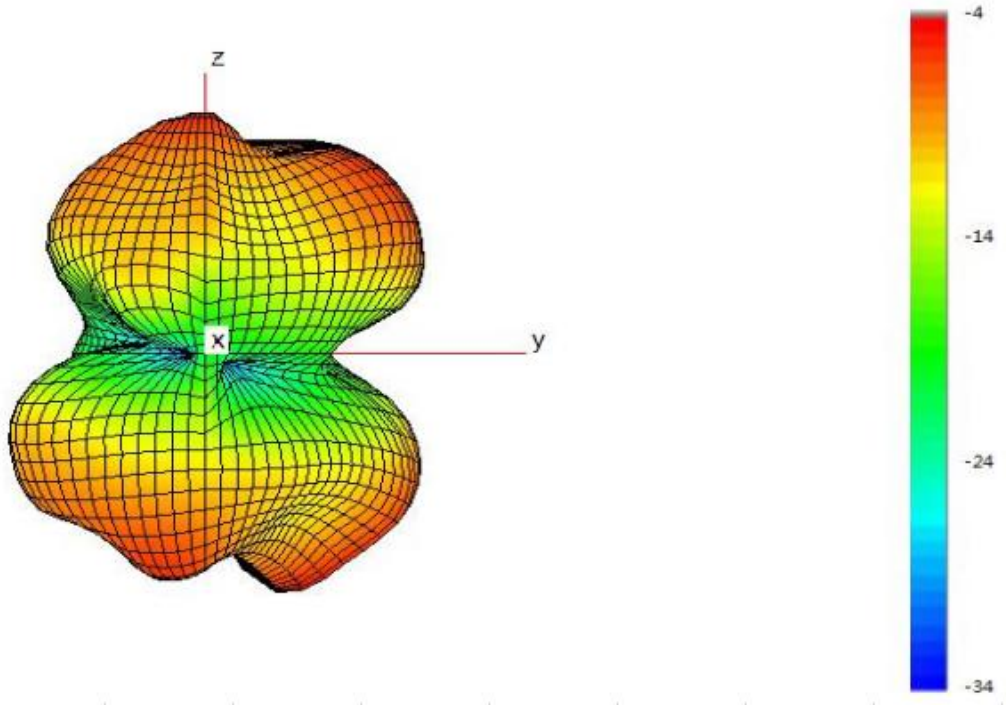
Freq(MHz)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	0.72	-2.98	50.36
2410	0.77	-2.95	50.75
2420	0.90	-2.92	51.10
2430	1.00	-2.83	52.17
2440	1.01	-2.80	52.49
2450	0.96	-2.91	51.23
2460	0.94	-2.94	50.85
2470	0.93	-2.95	50.65
2480	0.94	-2.95	50.74
2490	0.74	-3.08	49.23
2500	0.75	-3.07	49.31
4900	0.66	-4.80	33.13
4930	0.66	-4.75	33.53
4960	0.74	-4.55	35.10
4990	0.95	-4.31	37.05
5020	0.94	-4.30	37.16
5050	0.75	-4.36	36.65
5080	0.67	-4.32	36.98
5110	0.63	-4.30	37.12
5140	0.67	-4.19	38.09
5170	0.68	-4.12	38.70
5200	0.76	-4.08	39.05
5230	0.78	-4.09	38.97
5260	0.98	-3.95	40.29
5290	1.37	-3.65	43.14
5320	1.11	-3.58	43.90
5350	1.04	-3.60	43.63
5380	1.03	-3.67	42.97
5410	0.92	-3.69	42.74
5440	1.01	-3.66	43.07
5470	1.01	-3.64	43.25
5500	0.98	-3.66	43.07
5530	0.96	-3.73	42.37
5560	0.98	-3.71	42.51
5590	1.02	-3.71	42.58
5620	0.93	-3.84	41.33
5650	0.90	-3.88	40.95
5680	0.92	-3.83	41.36
5710	0.81	-3.87	41.01
5740	0.84	-3.90	40.76

5770	0.89	-3.83	41.41
5800	0.98	-3.95	40.29
5830	1.37	-3.65	43.14
5860	1.53	-3.51	44.54
5890	1.40	-3.58	43.85
5920	1.50	-3.59	43.78
5930	1.64	-3.55	44.20
Mean value	0.95	-3.70	42.99

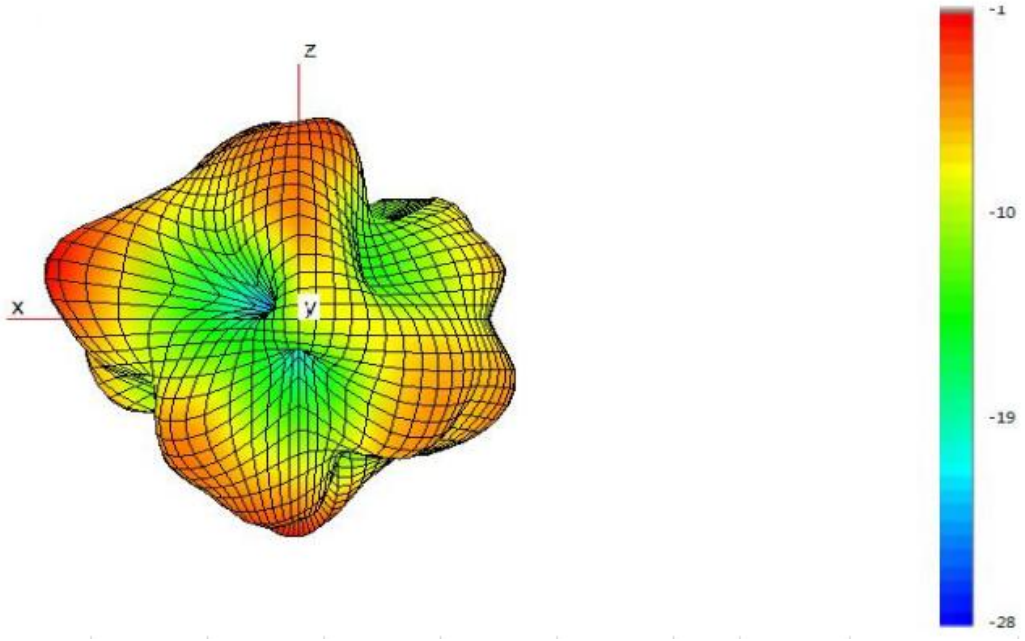
4.2）3D gain pattern



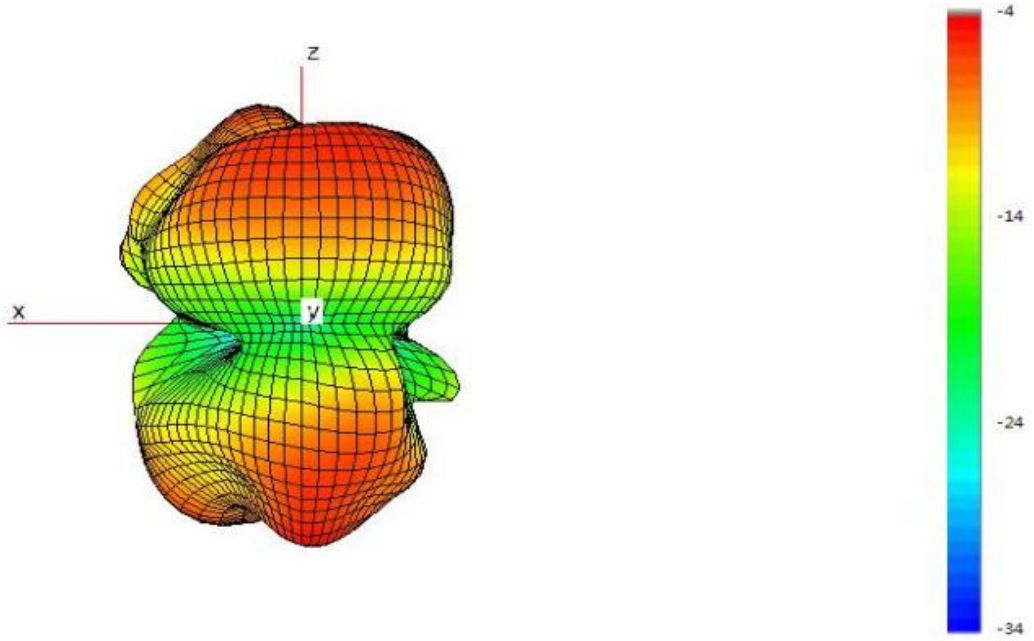
(e)2.44 GHZ 3D gain pattern,X+



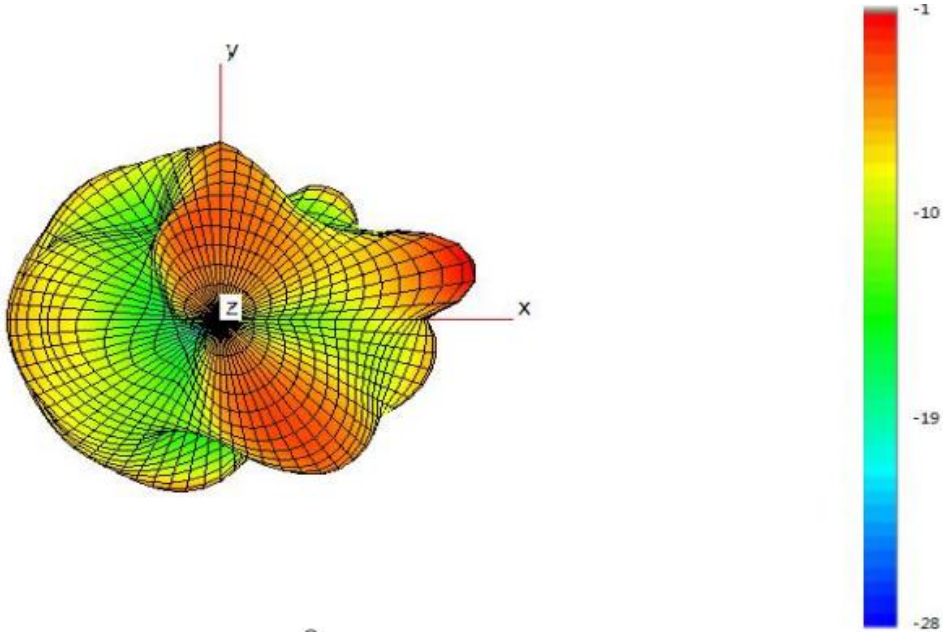
(f) 5.0 GHZ 3D gain pattern,X+



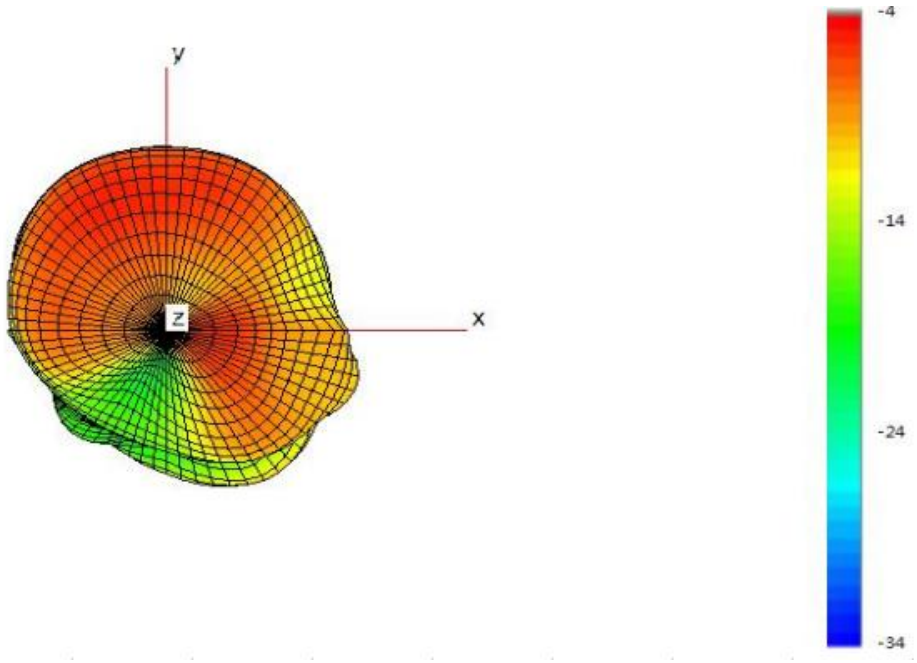
(g) 2.44 GHZ 3D gain pattern,Y+



(h) 5.45 .GHZ　3D gain pattern,Y+

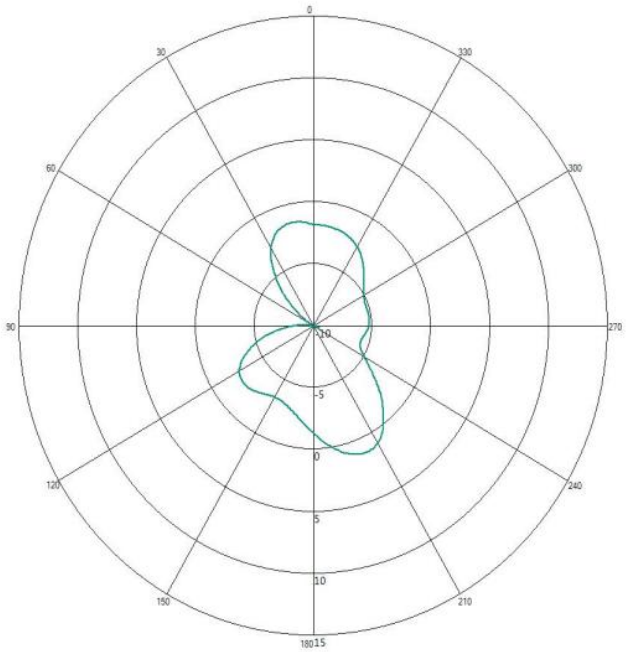


（i）2.44 GHZ　3D gain pattern,Z+

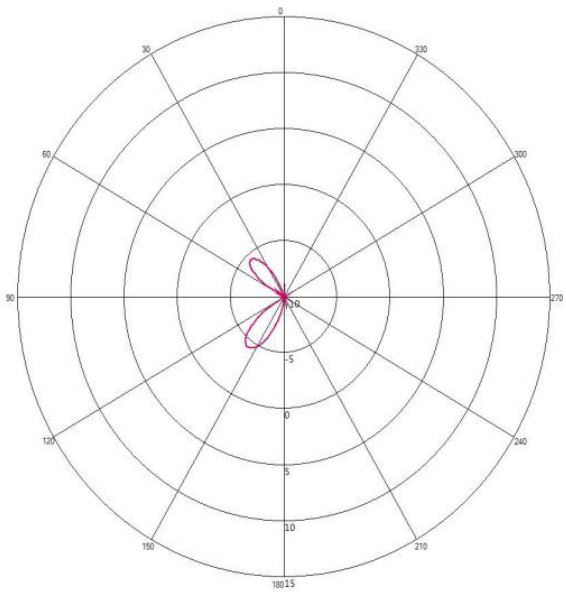


（j）5.45 GHZ　3D gain pattern,Z+

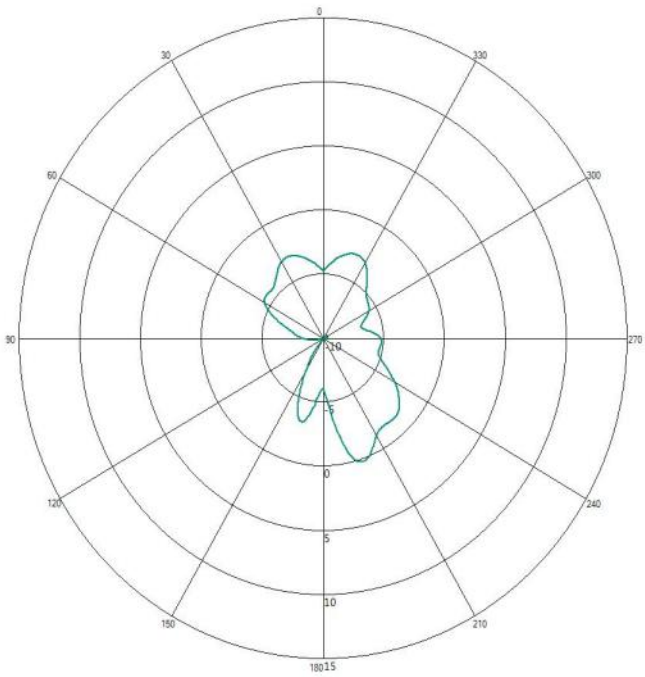
4.3）2D gain pattern



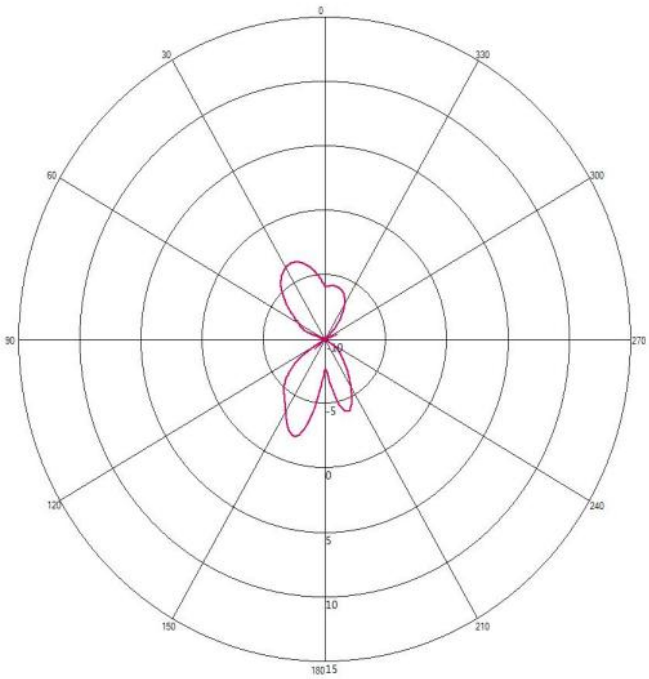
(k) FPC 2.44G WIDE DUAL BAND ANTENNA WITH (XY-Plane)



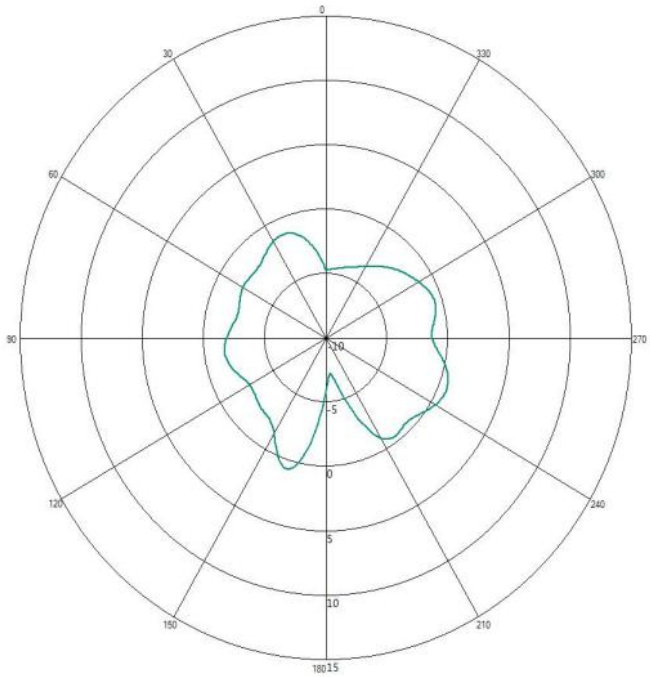
(L) FPC 5.45G WIDE DUAL BAND ANTENNA WITH (XY-Plane)



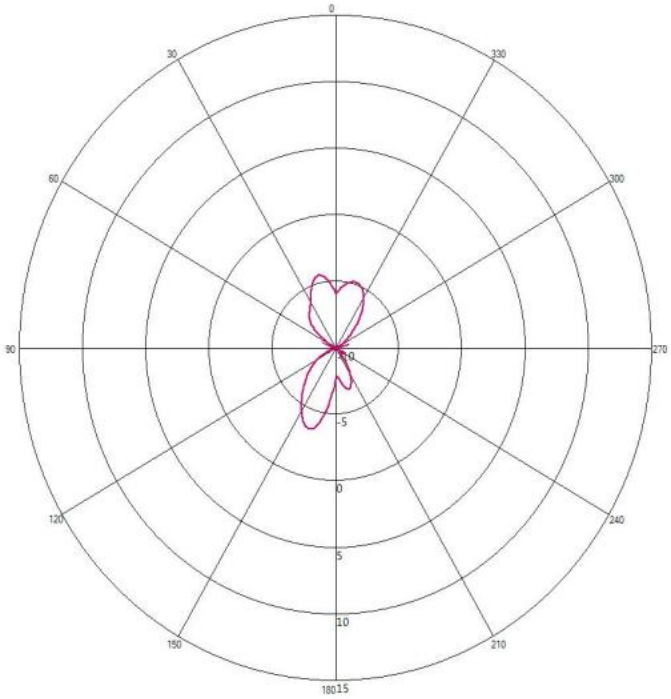
(m) FPC 2.44G WIDE DUAL BAND ANTENNA WITH(ZY-Plane)



(n) FPC 5.45 G WIDE DUAL BAND ANTENNA WITH(ZY-Plane)



(o) FPC 2.44 G WIDE DUAL BAND ANTENNA WITH(ZX-Plane)



(p) FPC 5.45 G WIDE DUAL BAND ANTENNA WITH(ZX-Plane)