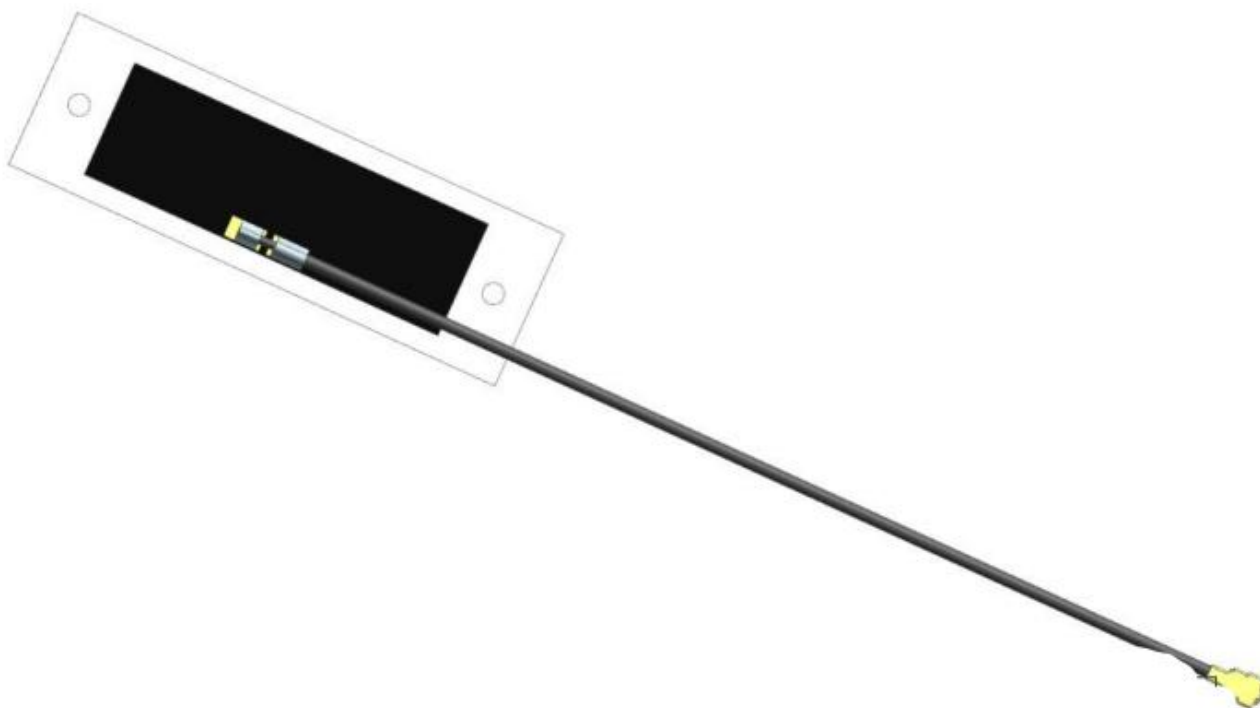


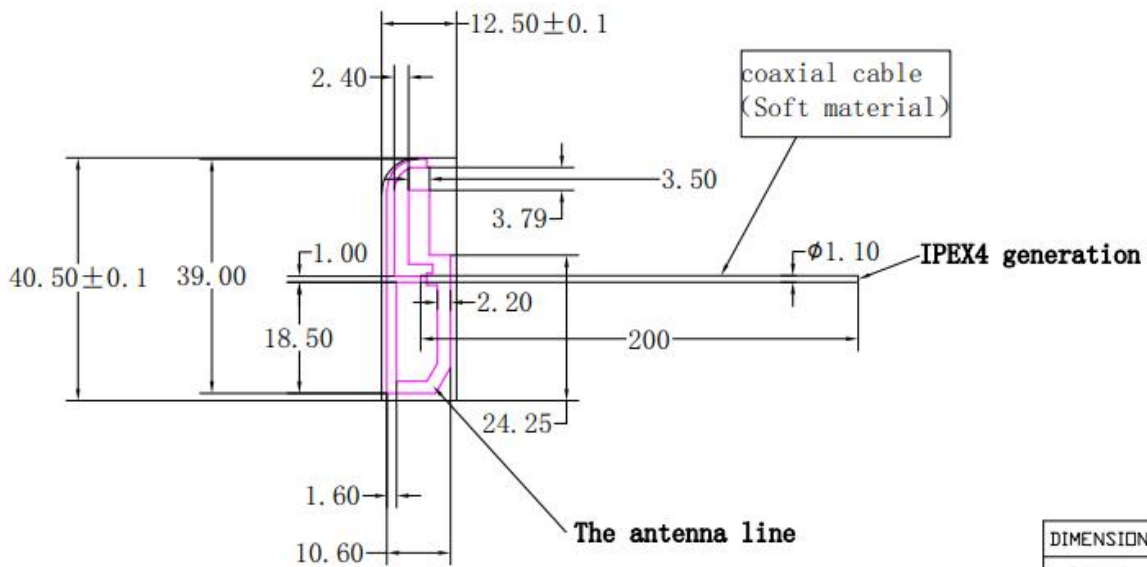
ATS-15-Antenna Specification

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: $< -10\text{dB}$
- 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



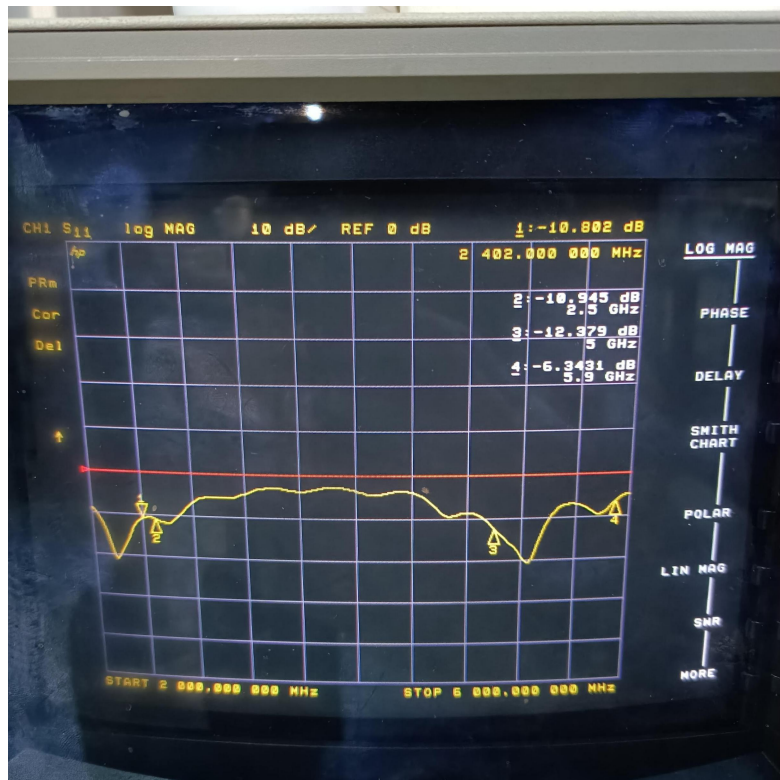


DIMENSION	TOLERANCE
0<X≤6	±0.03
6<X≤30	±0.05
30<X≤120	±0.07
120<X≤315	±0.12
X>315	±0.20

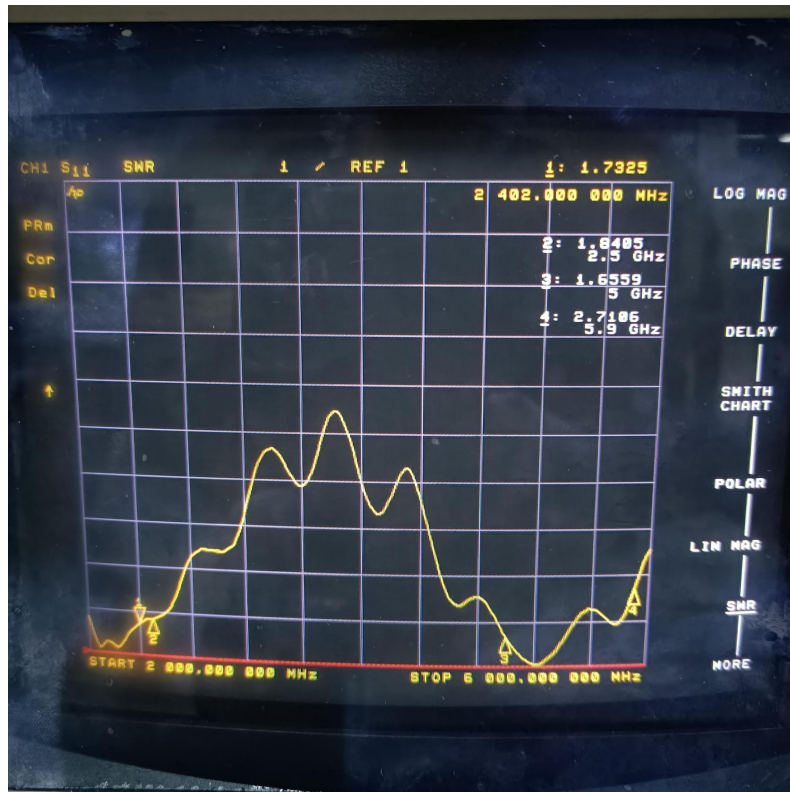
MATERIAL	IPEX4 generation	WEB	A4	PAGE 1 OF 1	MODEL NO.
PART NAME	IPEX4 generation	UNIT:MM	SCALE: 1:1	DRAWING	zhonghui cao
ANTEXIN TECHNOLOGY		Shenzhen Antexin Technology Co.,Ltd		AUDITING	yuechun huang
				CONFIRM	

(a) FPC Double panel antenna

3、Network analyzer graph



(b) Return Loss



(c) VSWR



(d) Smith Chart

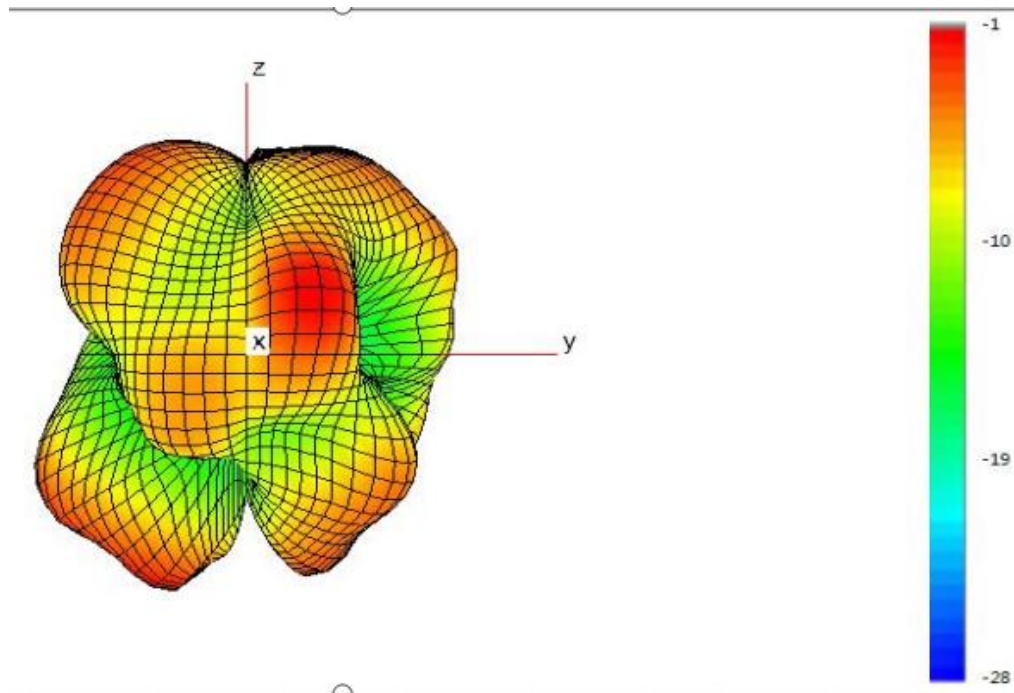
4、 Gain pattern

4.1) Gain chart

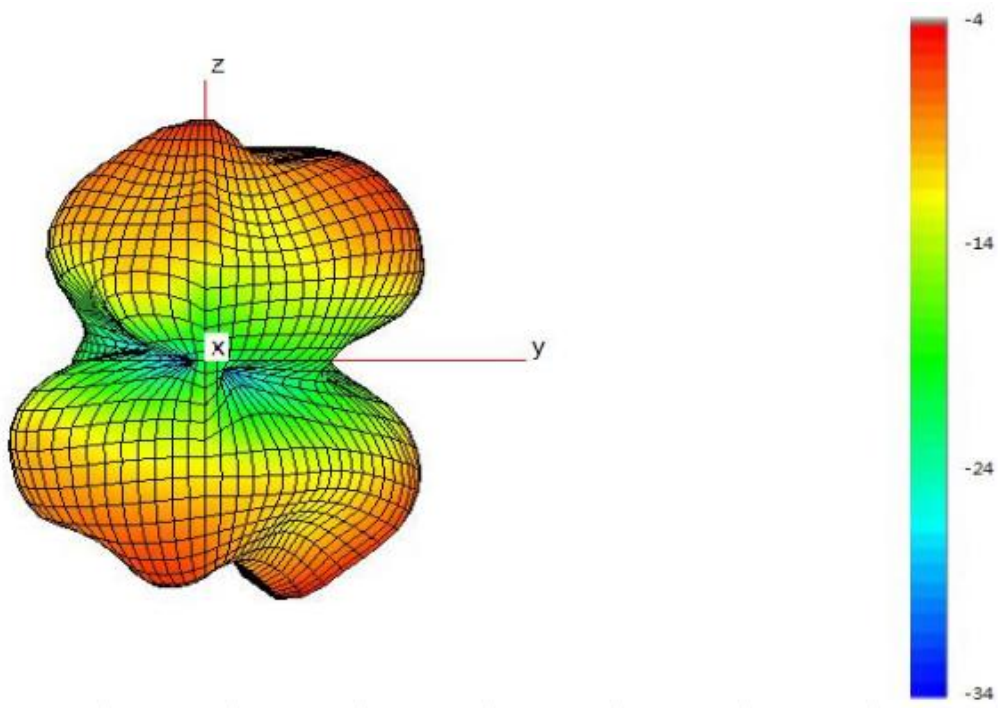
Freq(MHz)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	0.72	-2.98	50.36
2410	0.77	-2.95	50.75
2420	0.90	-2.92	51.10
2430	1.00	-2.83	52.17
2440	1.01	-2.80	52.49
2450	0.96	-2.91	51.23
2460	0.94	-2.94	50.85
2470	0.93	-2.95	50.65
2480	0.94	-2.95	50.74
2490	0.74	-3.08	49.23
2500	0.75	-3.07	49.31
4900	0.66	-4.80	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

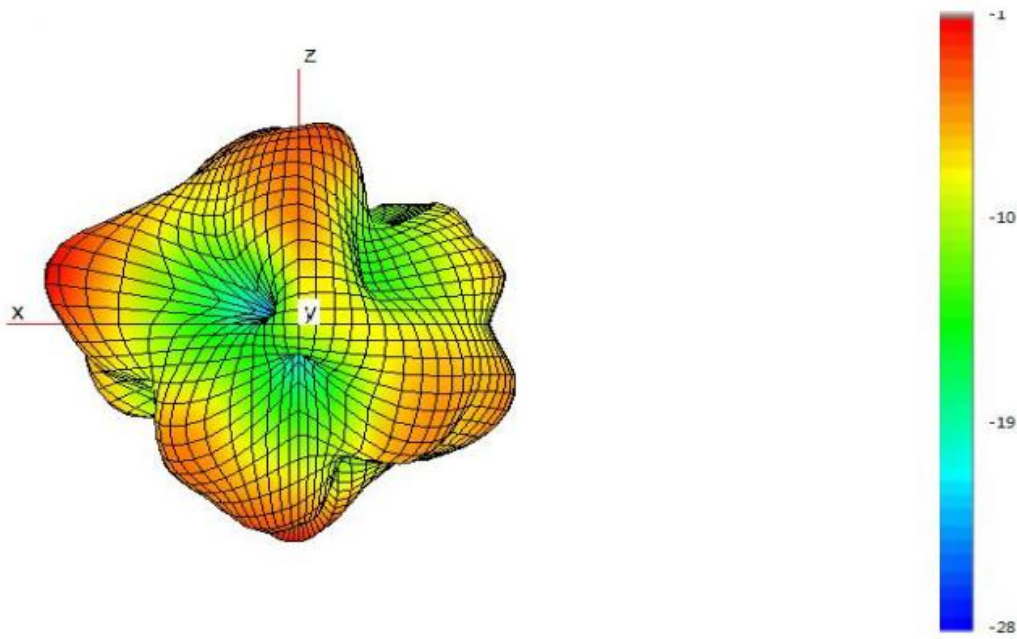
4.2) 3D gain pattern



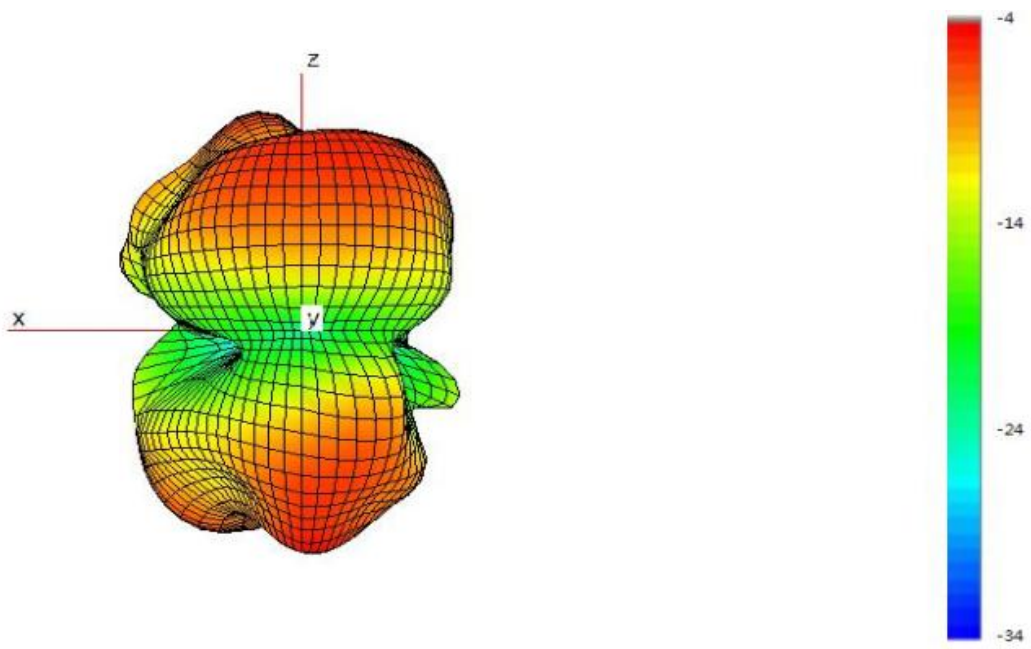
(e) 2.44 GHz 3D gain pattern, X+



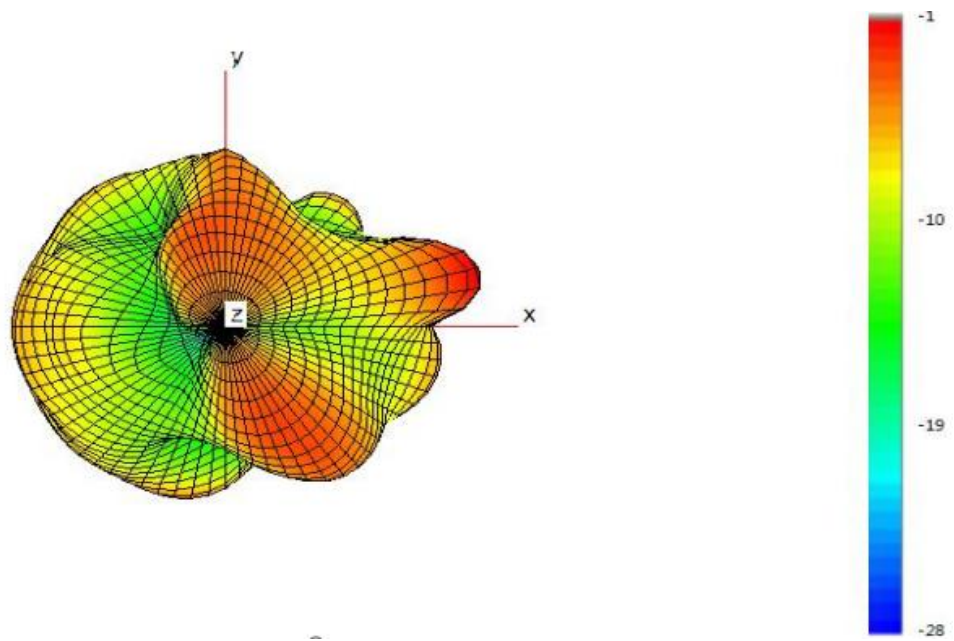
(f) 5.0 GHZ 3D gain pattern,X+



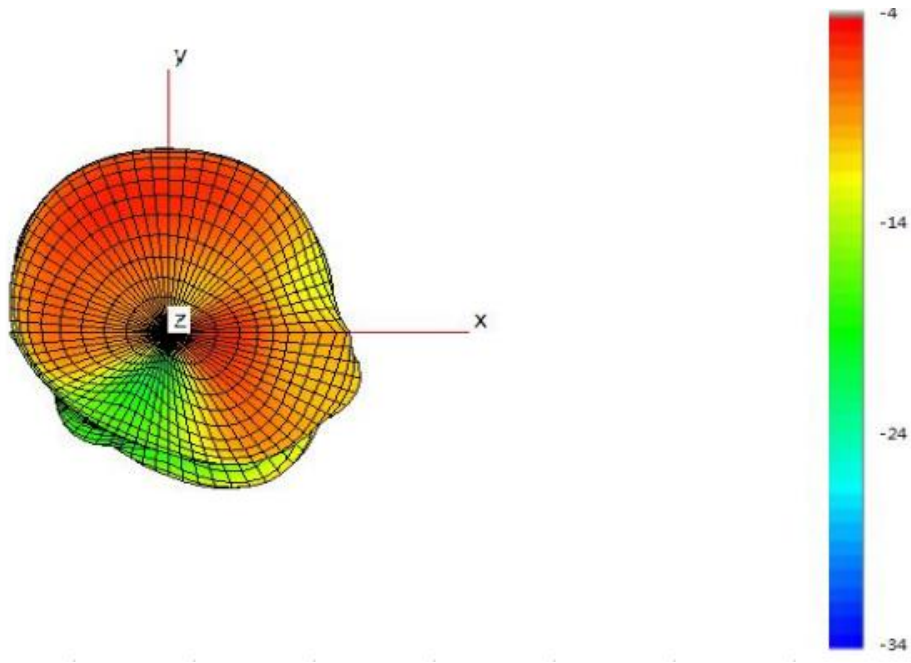
(g) 2.44 GHZ 3D gain pattern,Y+



(h) 5.45 .GHZ 3D gain pattern,Y+

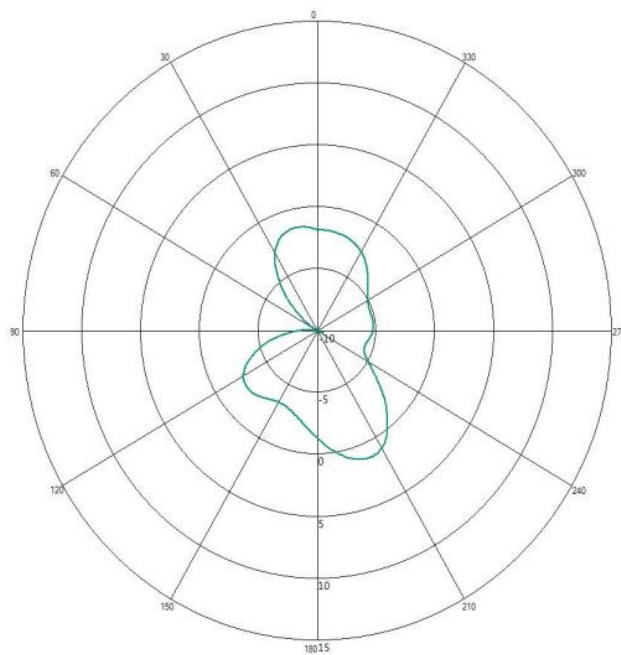


(i) 2.44 GHZ 3D gain pattern,Z+

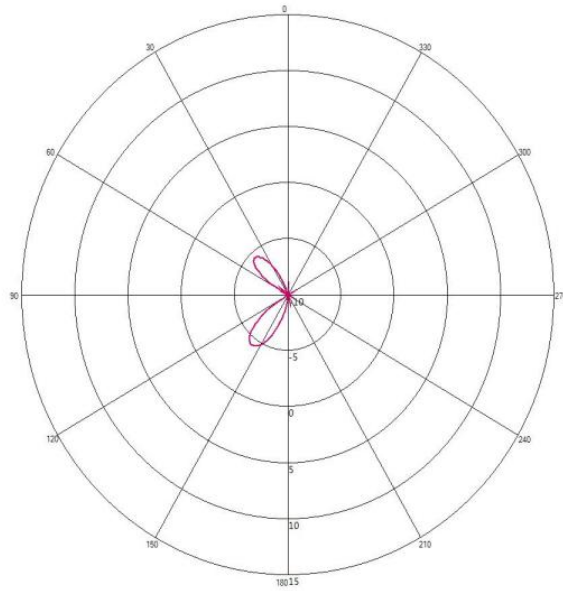


(j) 5.45 GHZ 3D gain pattern,Z+

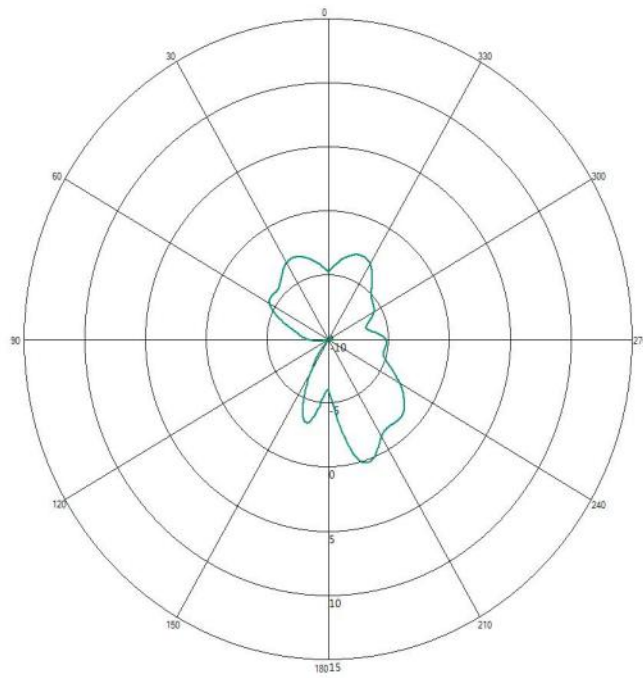
4.3) 2D gain pattern



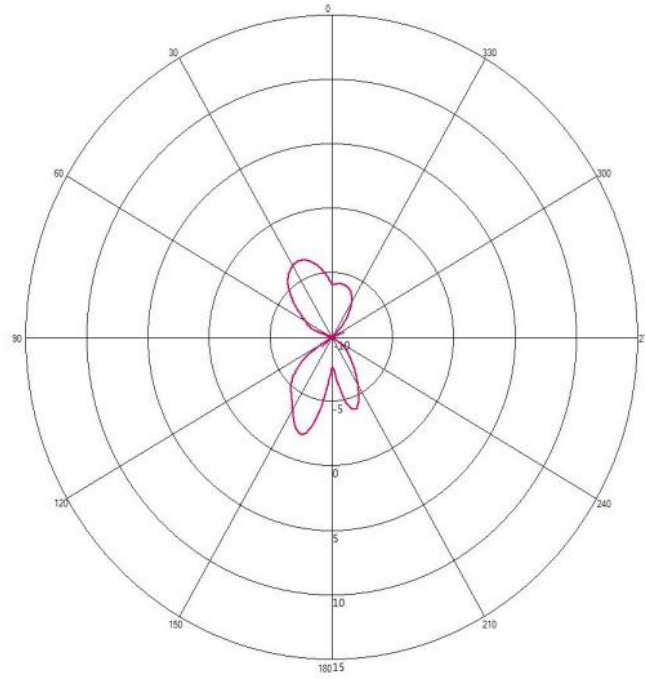
(k) FPC 2.44G WIDE DUAL BAND ANTENNA WITH (XY-Plane)



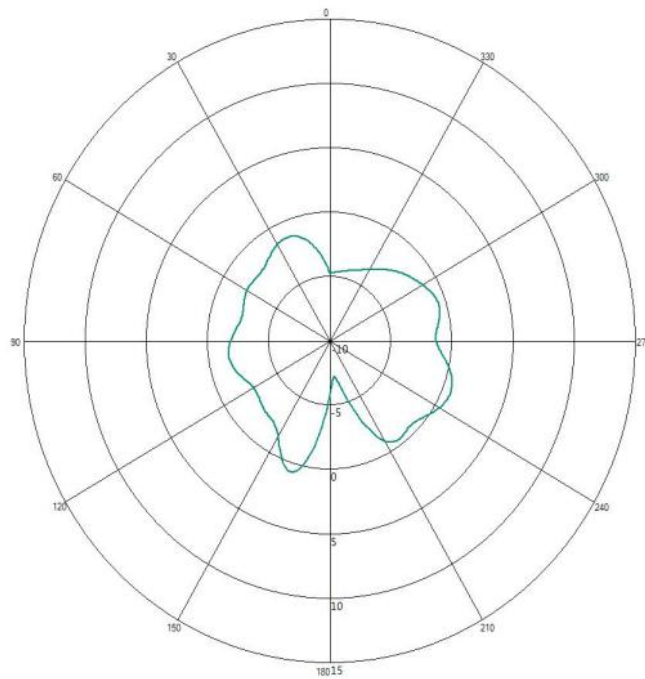
(L) FPC 5.45G WIDE DUAL BAND ANTENNA WITH (XY-Plane)



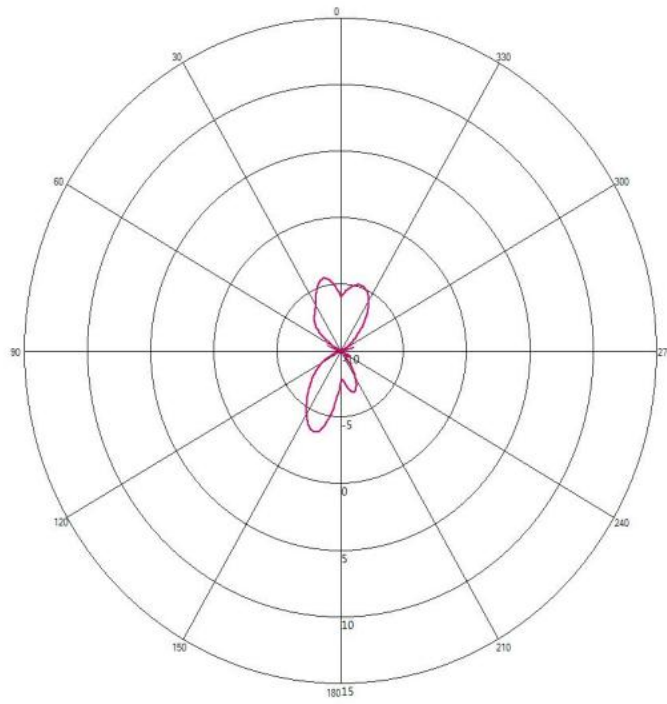
(m) FPC 2.44G WIDE DUAL BAND ANTENNA WITH(ZY-Plane)



(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)