

Antenna Specifications

Project: Lemu T19-62PV

Model No.: FX335

Antenna Type: PIFA ANT

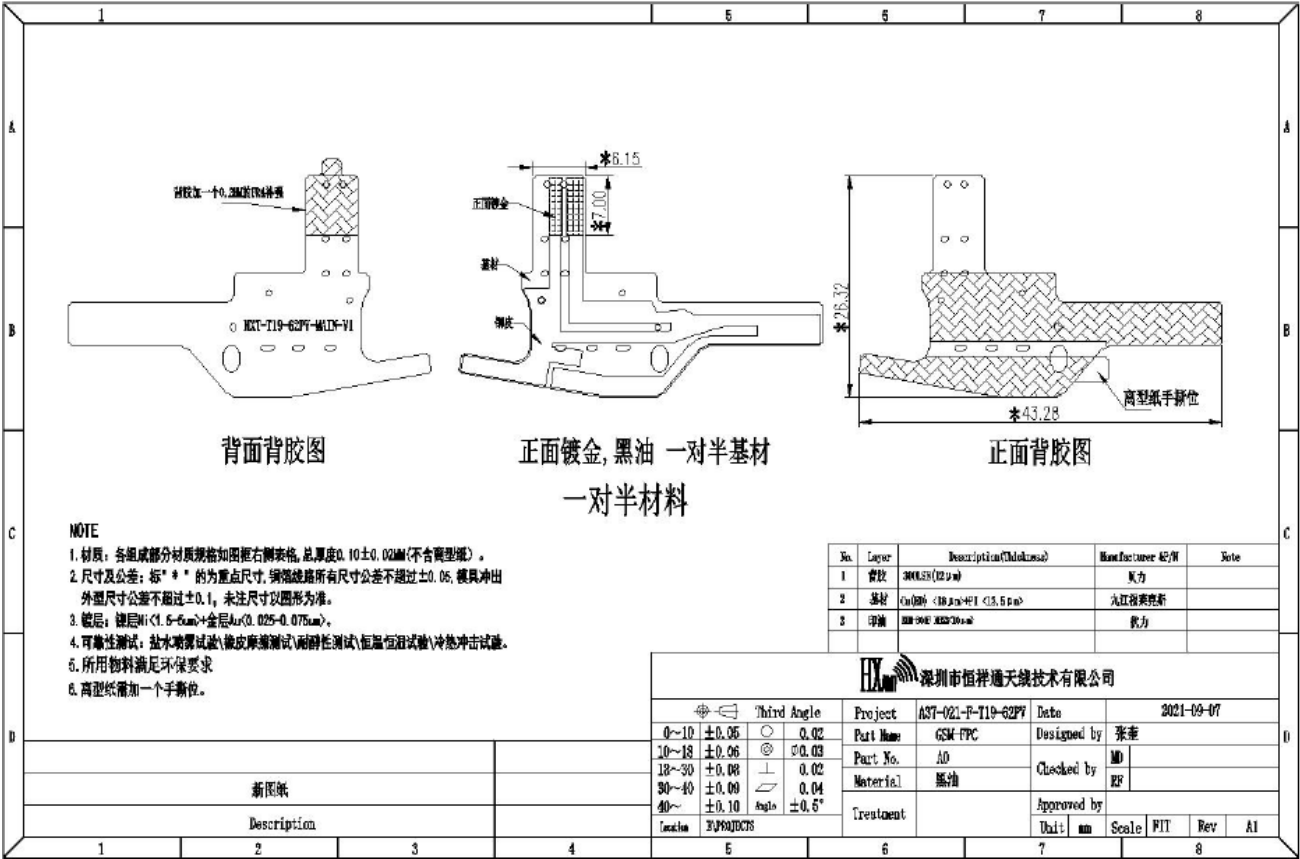
Software version:

FX335.23WBA48.XWP.HB.Q0.HP.221125.DRV.SWTP

Test date: 2023.4.6

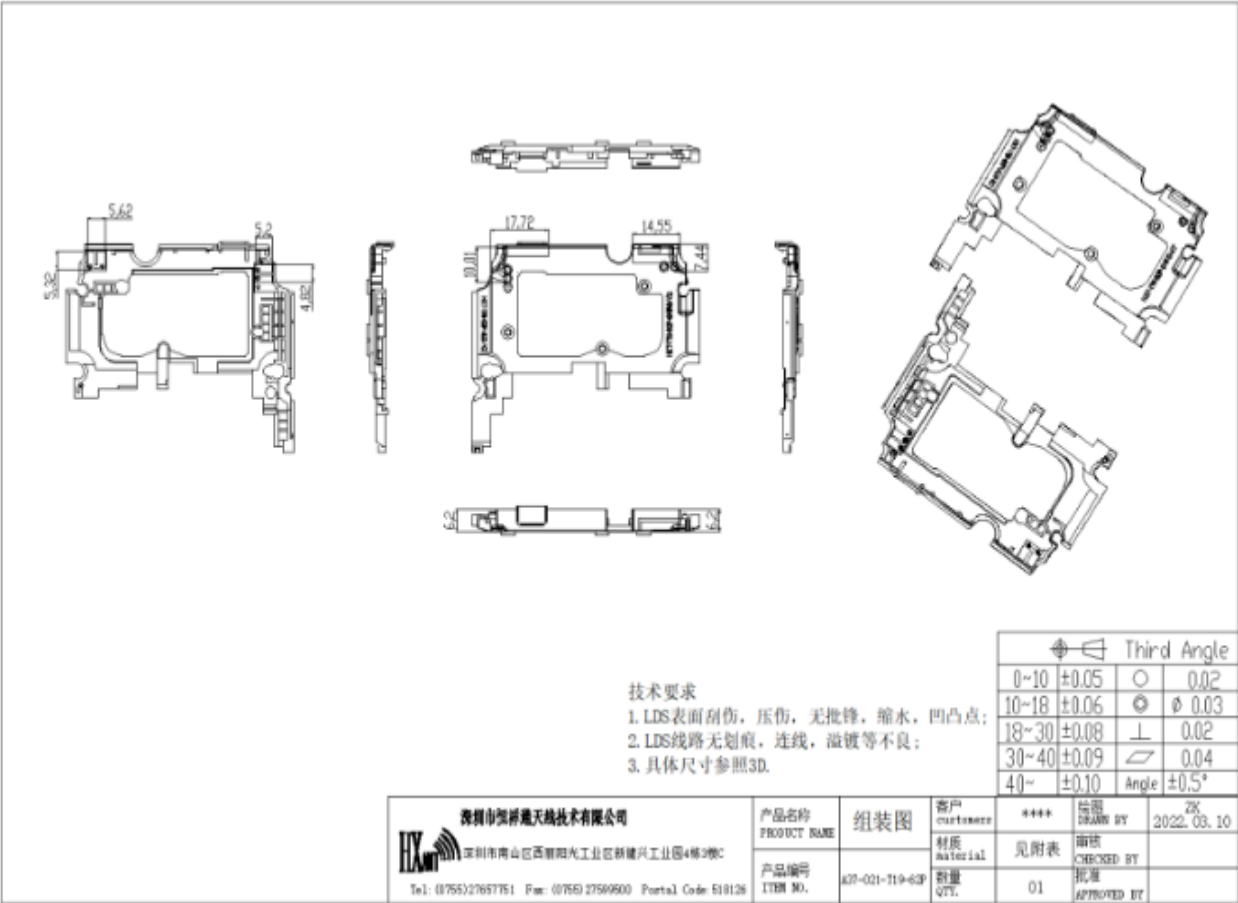
Frequency Band

Frequency Band	Tx(MHz)/Rx(MHz)
G900/LTE-12/13/17/28	690~960
W4/LTE-2/3/4/7	1710~2690



Frequency Band

Frequency Band	Tx(MHz)/Rx(MHz)
WiFi2.4G/BT	2400~2480
WiFi5G	5100~5800
GPS	1575.42



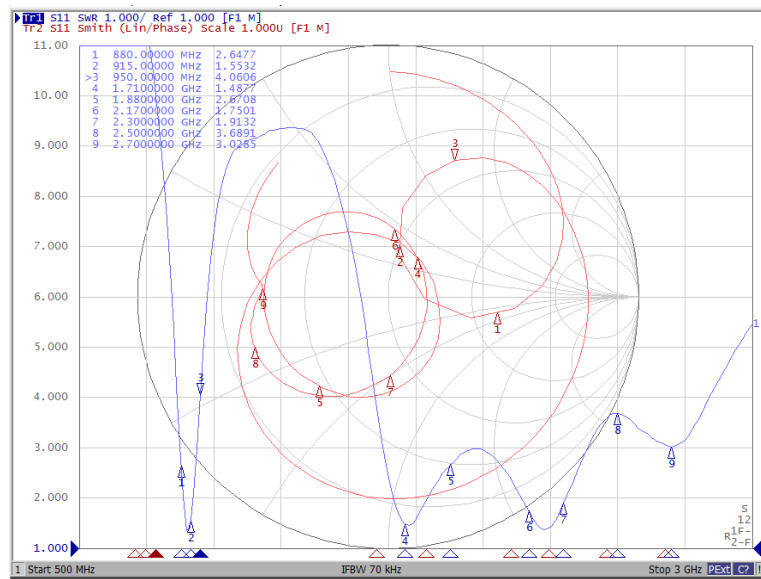
SHENZHEN HENGXIANGTONG ANTENNA TECHNOLOGY CO., LTD.

Test data

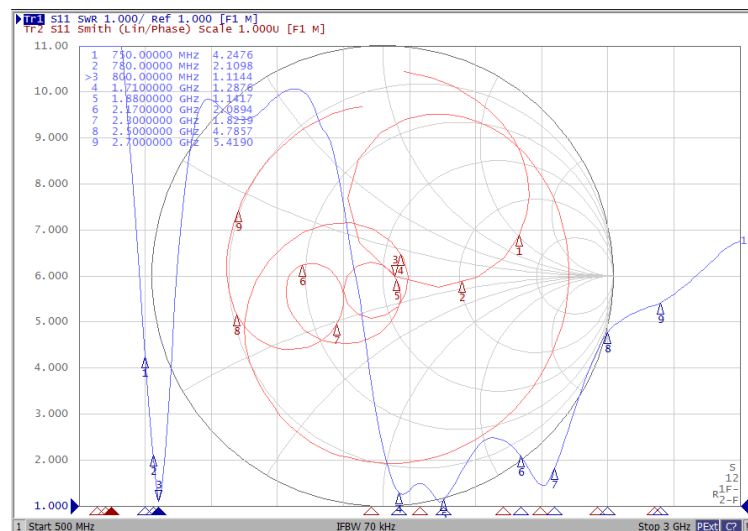
RF1(880~960, 1710~2170, 2500~2700MHz)															
(MHz)	880	890	900	910	920	930	940	950	960	1700	1720	1740	1760	1780	1800
Gain (Ave)	(dB)	-7.17	-6.43	-5.94	-5.46	-5.73	-6.13	-6.79	-7.61	-8.47	-3.73	-3.58	-3.29	-3.27	-3.5
Peak Gain	(dBi)	-3.67	-2.97	-2.47	-1.96	-2.3	-2.82	-3.63	-4.4	-5.14	-0.65	-1.16	-0.9	-0.72	-1
Effi	(%)	19.17	22.77	25.45	28.44	26.7	24.39	20.94	17.32	14.21	42.38	43.81	46.87	47.06	44.68

(MHz)	1860	1880	1900	1920	1940	1960	1980	2000	2020	2040	2060	2080	2100	2120	2140
Gain (Ave)	(dB)	-4.41	-4.81	-4.79	-4.8	-4.8	-4.92	-4.9	-4.9	-4.85	-4.6	-4.51	-4.56	-4.65	-4.67
Peak Gain	(dBi)	-2.06	-2.08	-2.06	-1.97	-1.8	-1.76	-1.76	-1.34	-1.19	-0.81	-0.66	-0.91	-1.08	-1.01
Effi	(%)	36.19	33.07	33.16	33.09	33.13	32.19	32.32	32.35	32.7	34.65	35.42	34.99	34.26	34.13

(MHz)	2500	2520	2540	2560	2580	2600	2620	2640	2660	2680	2700
Gain (Ave)	(dB)	-6.14	-6.41	-6.59	-6.76	-6.86	-6.91	-6.74	-6.95	-7.26	-7.36
Peak Gain	(dBi)	-2.9	-3.27	-3.74	-3.53	-3.39	-2.96	-2.33	-2.47	-2.63	-2.39
Effi	(%)	24.34	22.84	21.93	21.08	20.63	20.37	21.18	20.17	18.79	18.36

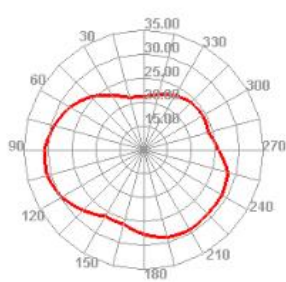
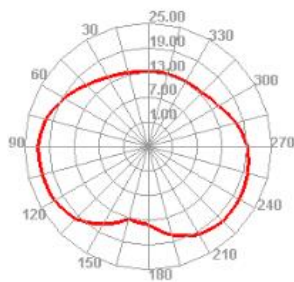
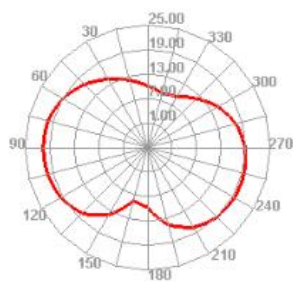
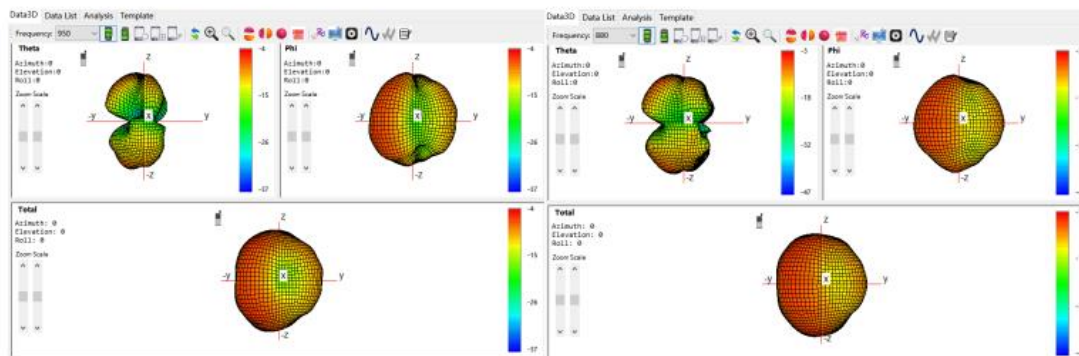
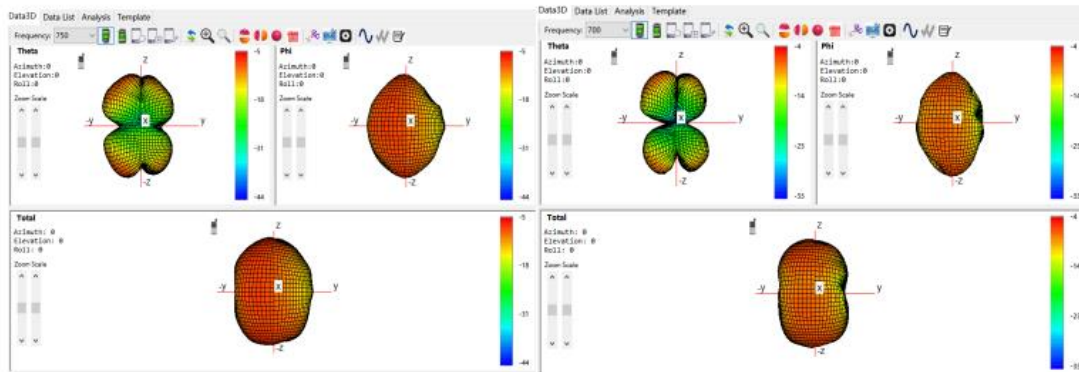


RF2(880~960, 1710~2170, 2500~2700MHz)											
(MHz)	700	710	720	730	740	750	760	770	780	790	800
Gain (Ave)	(dB)	-7.76	-6.68	-5.69	-5.45	-5.61	-5.7	-6.15	-6.86	-7.84	-8.73
Peak Gain	(dBi)	-4.59	-3.23	-2.13	-2.02	-2.4	-2.51	-3.07	-3.71	-4.54	-5.34
Effi	(%)	16.73	21.5	26.95	28.49	27.46	26.89	24.27	20.6	16.43	13.4

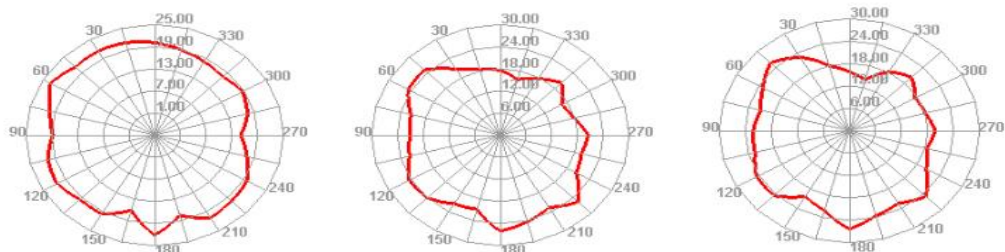
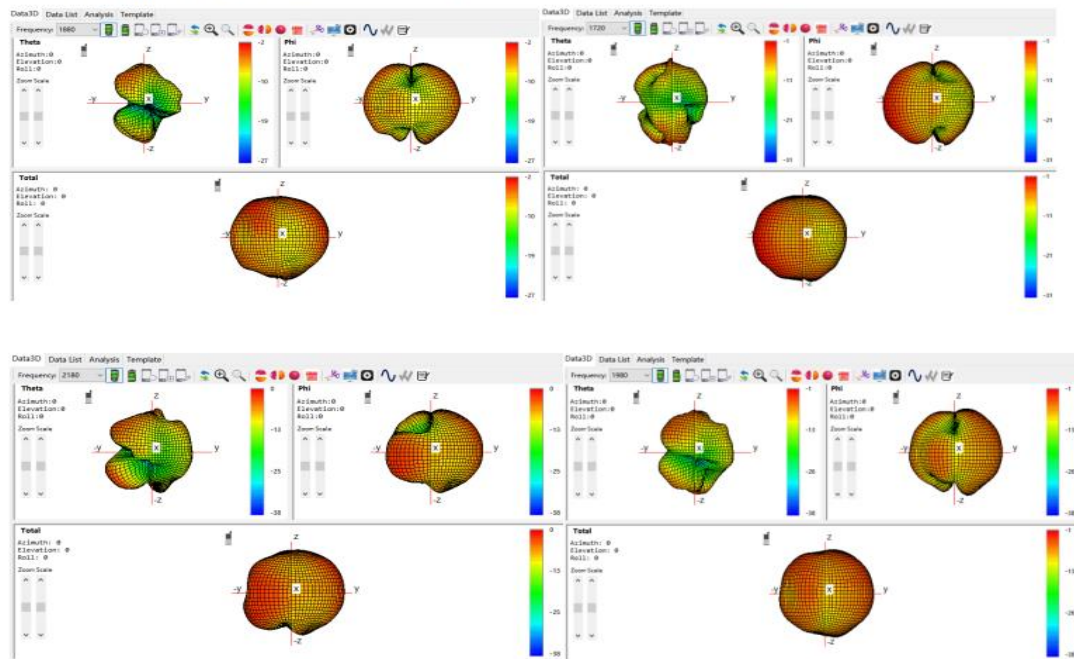


Band	Frequency (MHz)	Efficiency (%)	Average Gain	Peak Gain (dBi)
WiFi2.4G/BT	2400~2480	45	-2.77	2.41
WiFi5G	5180~5800	30	-4.81	1.14
GPS	1575.42	42.6	-3.71	0.63

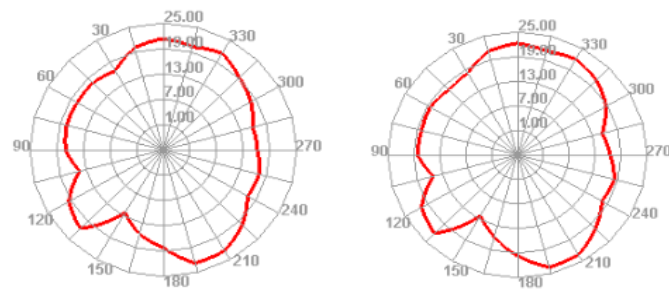
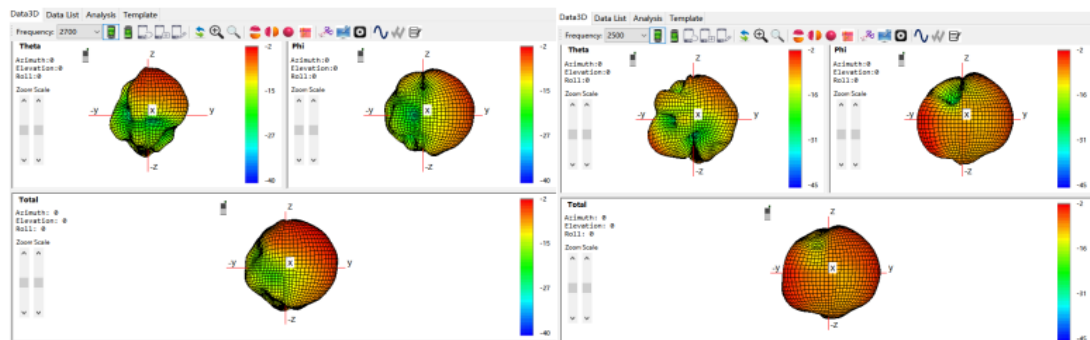
698-960MHz 3D and 2D Radiation Patterns:



1710-2170MHz 3D and 2D Radiation Patterns:

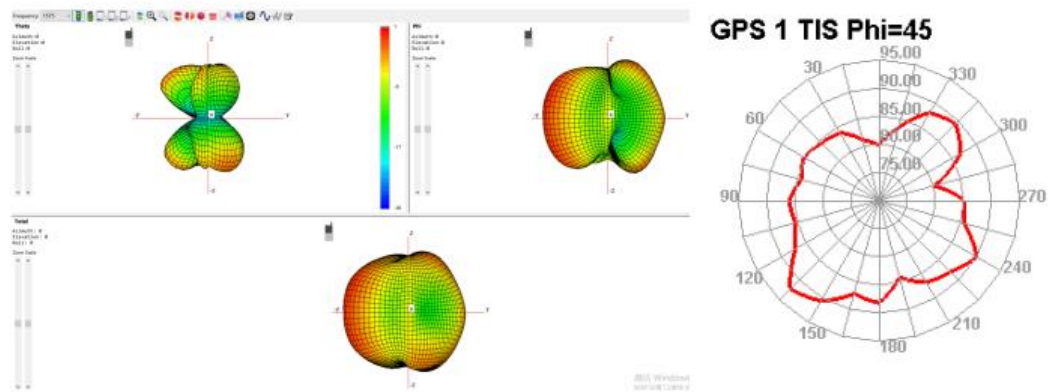


2490-2690MHz 3D and 2D Radiation Patterns:

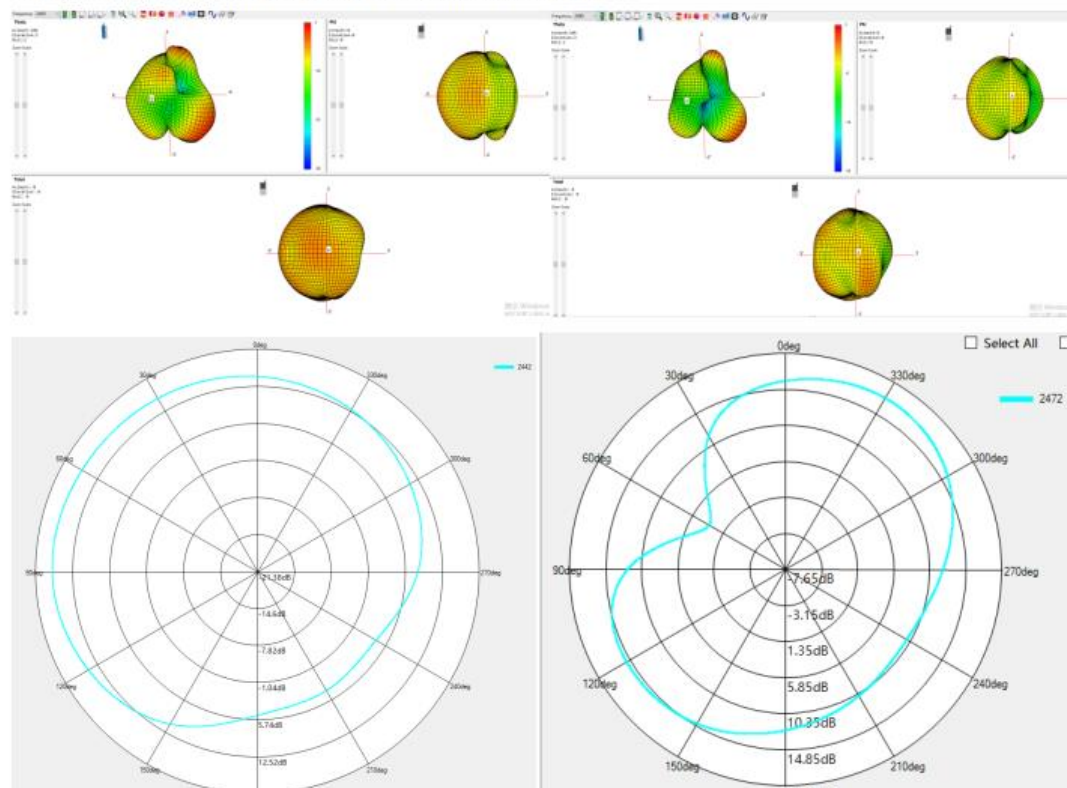


SHENZHEN HENGXIANGTONG ANTENNA TECHNOLOGY CO., LTD.

GPS 1575.42MHz 3D and 2D Radiation Patterns:



WIFI/BT 2400-2500MHz 3D and 2D Radiation Patterns:



SHENZHEN HENGXIANGTONG ANTENNA TECHNOLOGY CO., LTD.

WIFI 5200-5800MHz 3D and 2D Radiation Patterns :

