
Antenna spec

Antenna Description:

Model	BYM605-GS21-US-4G-B02
Antenna type	FPC antenna
Manufacturer	Shenzhen Boyuan wireless communication technology Co., LTD
Address	Room 402, Building 1, Tongkangfu Industrial Park, Yingrenshi Community, Shiyan Street, Baoan District, Shenzhen

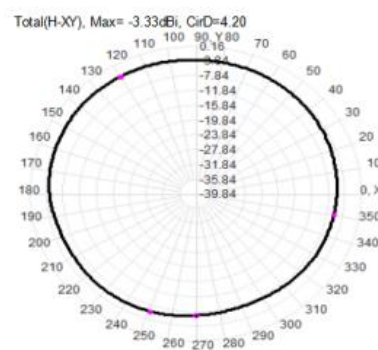
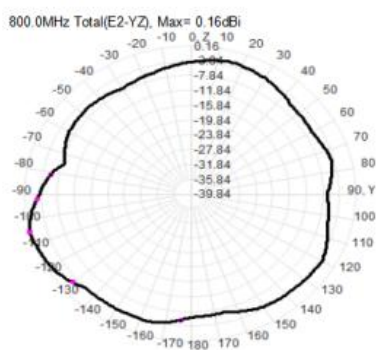
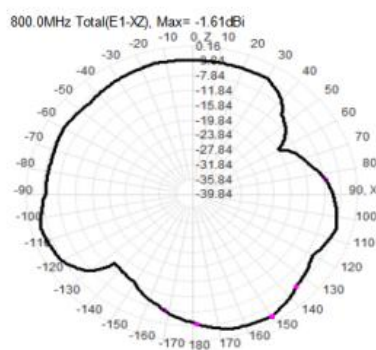
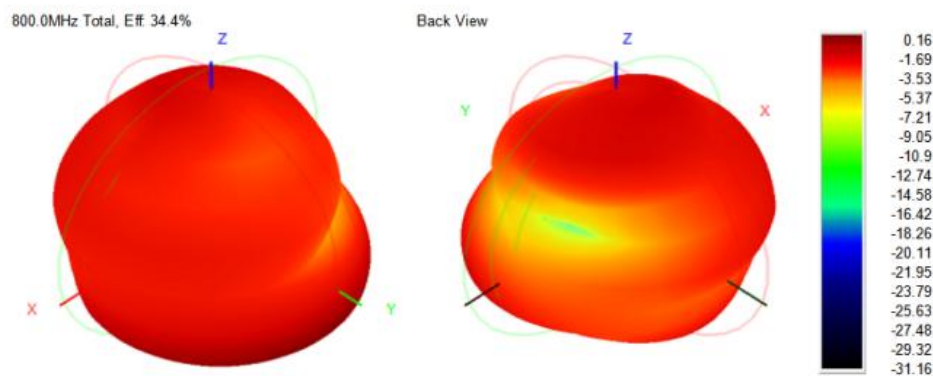
Frequency (MHz)	Gain (dBi)	Efficiency (%)
700.0	-1.20	20.85
710.0	-1.46	20.10
720.0	-1.32	20.92
730.0	-1.13	20.77
740.0	-1.69	20.29
750.0	-1.05	20.95
760.0	-1.16	20.46
770.0	-1.32	20.95
780.0	-0.93	21.64
790.0	-0.53	29.46
800.0	0.16	34.36
810.0	-0.53	29.62
820.0	-1.03	21.98
830.0	-1.62	20.91
840.0	-1.89	20.86
850.0	-1.18	20.15
860.0	-0.13	20.25
870.0	-1.29	20.34
880.0	-1.69	20.76
890.0	-1.86	20.41
900.0	-1.20	20.44
910.0	-1.94	20.50
920.0	-1.44	20.65
930.0	-1.37	20.43
940.0	-1.77	20.91
950.0	-1.66	20.11
960.0	-1.64	20.94

Frequency (MHz)	Gain (dBi)	Efficiency (%)
1700.0	-0.48	28.36
1710.0	-0.24	28.16
1720.0	-0.22	28.03
1730.0	-0.26	28.53
1740.0	-0.44	28.82
1750.0	-0.78	28.92
1760.0	-0.74	28.68
1770.0	-0.95	29.48
1780.0	-0.74	29.93
1790.0	-0.42	30.83
1800.0	-0.83	30.41
1810.0	-0.46	30.68
1820.0	0.45	36.15
1830.0	1.20	40.64
1840.0	1.65	43.50
1850.0	1.97	44.93
1860.0	2.21	44.93
1870.0	2.58	46.97
1880.0	2.71	46.97
1890.0	2.98	48.02
1900.0	3.26	49.58
1910.0	3.27	48.44
1920.0	3.08	46.48
1930.0	2.71	43.84
1940.0	2.37	41.90
1950.0	2.18	39.93
1960.0	2.37	41.04
1970.0	2.46	41.21
1980.0	2.68	42.88
1990.0	2.73	44.02

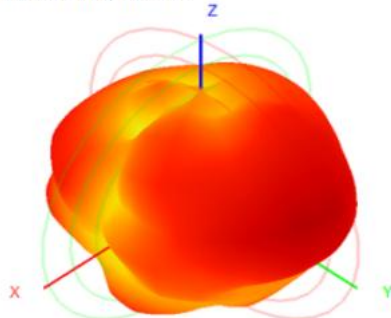
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2000.0	2.12	40.62
2010.0	1.74	39.13
2020.0	1.48	38.64
2030.0	1.16	37.78
2040.0	0.79	34.98
2050.0	0.75	34.60
2060.0	0.62	33.74
2070.0	0.39	32.58
2080.0	0.63	33.06
2090.0	0.50	30.86
2100.0	0.50	30.88
2110.0	0.32	29.56
2120.0	0.44	30.14
2130.0	0.39	29.92
2140.0	0.51	29.90
2150.0	0.54	29.65
2160.0	0.65	29.83
2170.0	0.46	28.65
2180.0	-0.19	25.82
2190.0	-0.23	26.13
2200.0	-0.22	26.63
2210.0	-0.04	26.74
2220.0	0.10	26.14
2230.0	0.19	26.97
2240.0	-0.12	25.53
2250.0	-0.31	25.63
2260.0	-0.58	25.41
2270.0	-0.59	25.65
2280.0	-0.48	26.04
2290.0	-0.34	25.64

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2310.0	-0.62	24.26
2320.0	-1.00	23.15
2330.0	-1.40	23.14
2340.0	-1.33	25.01
2350.0	-1.38	25.11
2360.0	-1.78	24.23
2370.0	-1.00	25.21
2380.0	-1.05	25.45
2390.0	-1.19	25.64
2400.0	-0.98	26.43
2410.0	-1.12	26.09
2420.0	-1.37	25.33
2430.0	-1.35	26.33
2440.0	-0.89	27.13
2450.0	-0.76	27.23
2460.0	-1.05	26.67
2470.0	-1.45	25.81
2480.0	-1.57	26.21
2490.0	-1.53	25.93
2500.0	-1.13	26.06
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2510.0	-0.60	26.59
2520.0	-0.17	27.36
2530.0	-0.30	27.11
2540.0	-0.51	27.79
2550.0	-0.93	27.66
2560.0	-1.18	26.86
2570.0	-1.14	28.78
2580.0	-0.51	30.28
2590.0	-0.42	31.01
2600.0	-0.55	31.22
2610.0	-0.54	31.78
2620.0	-0.28	31.58
2630.0	0.08	32.20
2640.0	-0.07	31.53
2650.0	0.19	31.86
2660.0	0.51	32.73
2670.0	0.54	33.72
2680.0	1.02	35.60
2690.0	1.21	36.98
2700.0	1.32	37.45

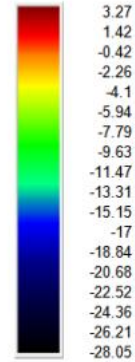
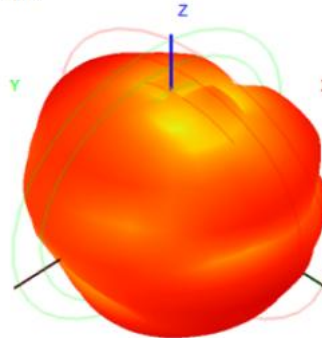
2D/3D drawing



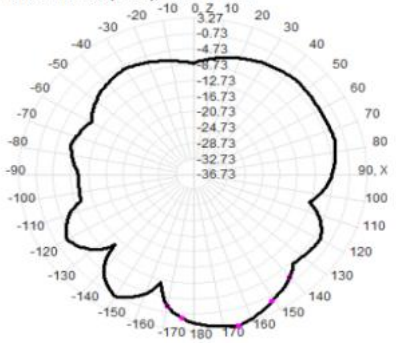
1910.0MHz Total, Eff 48.4%



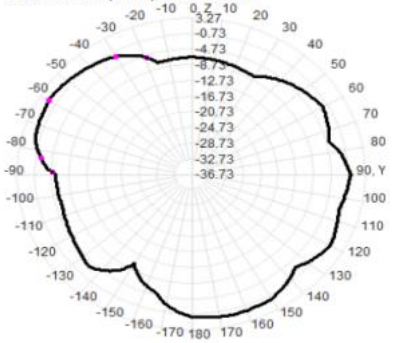
Back View



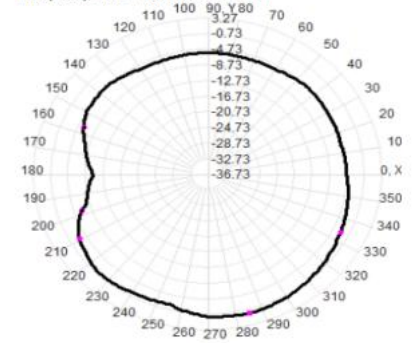
1910.0MHz Total(E1-XZ), Max= 3.27dBi



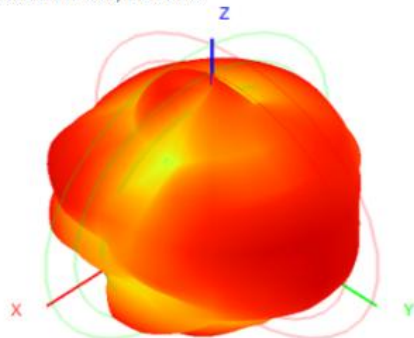
1910.0MHz Total(E2-YZ), Max= 0.99dBi



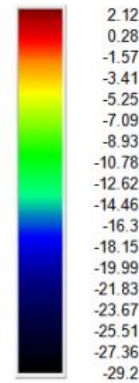
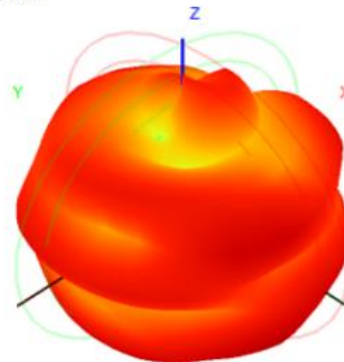
Total(H-XY), Max= -0.07dBi, CirD=10.54



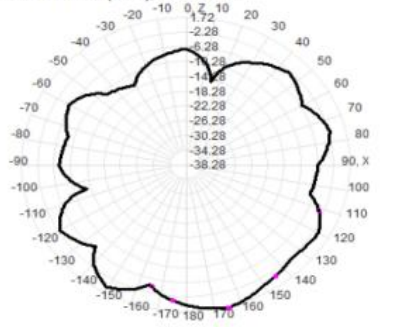
2000.0MHz Total, Eff 40.6%



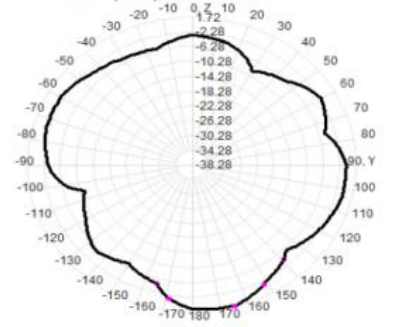
Back View



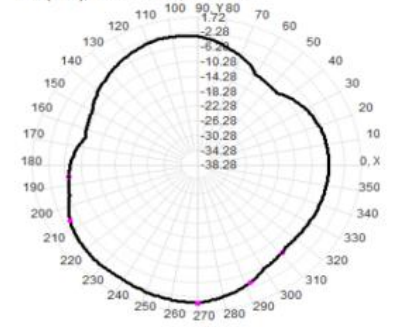
2000.0MHz Total(E1-XZ), Max= 1.72dBi



2000.0MHz Total(E2-YZ), Max= 1.21dBi

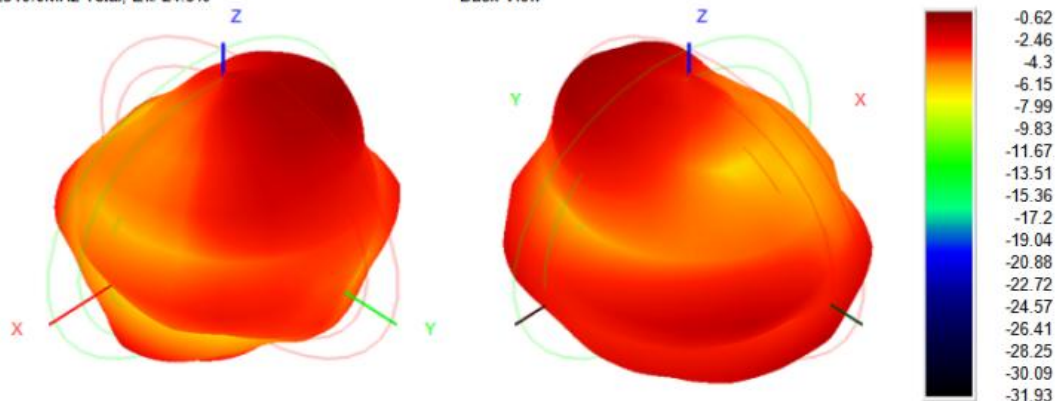


Total(H-XY), Max= -0.97dBi, CirD=9.88



2310.0MHz Total, Eff 24.3%

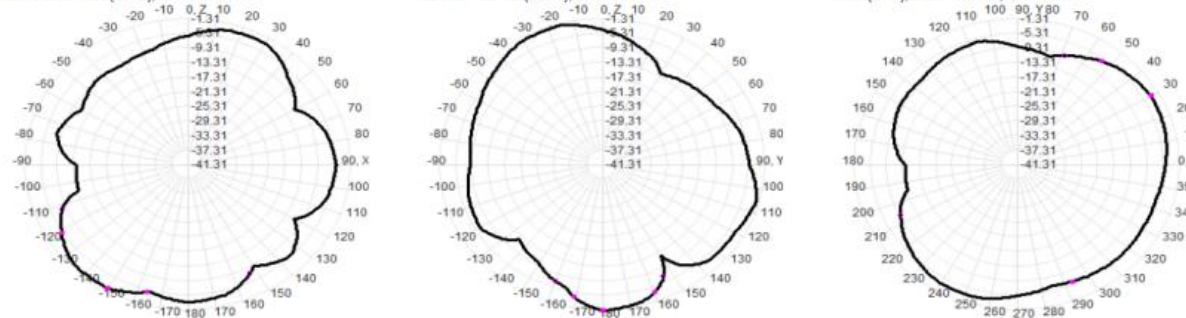
Back View



2310.0MHz Total(E1-XZ), Max= -2.19dBi

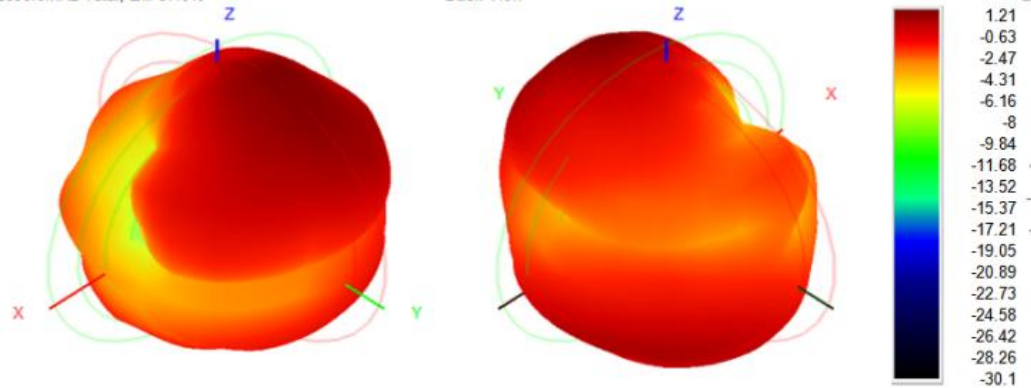
2310.0MHz Total(E2-YZ), Max= -1.31dBi

Total(H-XY), Max= -3.49dBi, CirD=10.50



2690.0MHz Total, Eff 37.0%

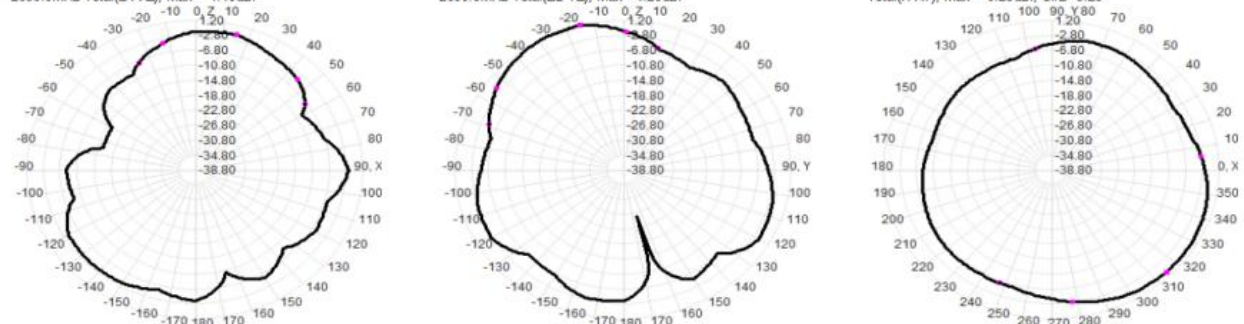
Back View



2690.0MHz Total(E1-XZ), Max= -1.40dBi

2690.0MHz Total(E2-YZ), Max= 1.20dBi

Total(H-XY), Max= -0.25dBi, CirD=9.25



七. Antenna structure drawing

