

PRODUCT SPECIFICATION

Customer:

Customer's part number:

Product description: 4G LTE Magnetic Antenna

Part number: 4GMA_5

Issue Date: 2020-11-20

Note: 698-960/1710-2700MHz

Application and Features

Applications :

- 1: 4G router, hub or access point
- 2: Small base station
- 3: SOHO

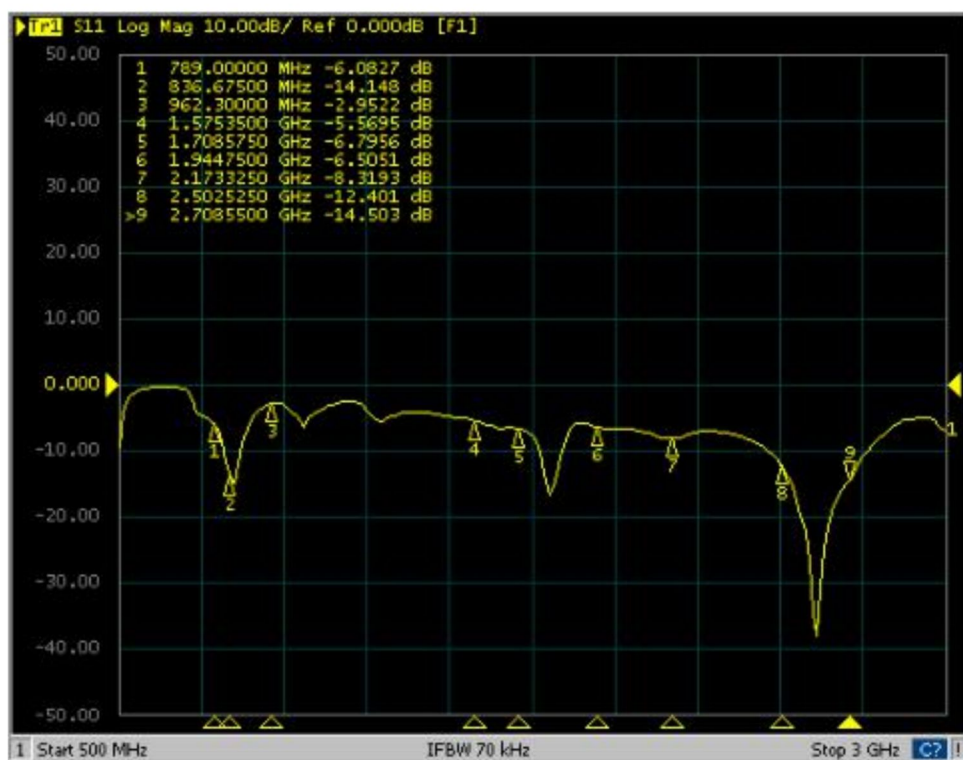
Features :

- 1: 4G magnetic mount antenna
- 2: Up to 5dbi gain
- 3: SMA connector

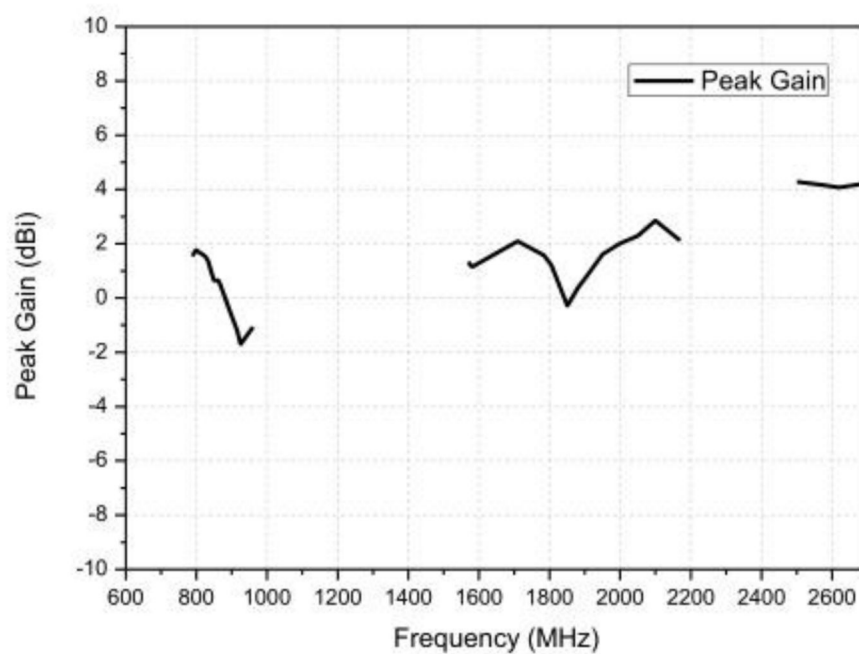
1、产品技术指标 (SPECIFICATIONS)

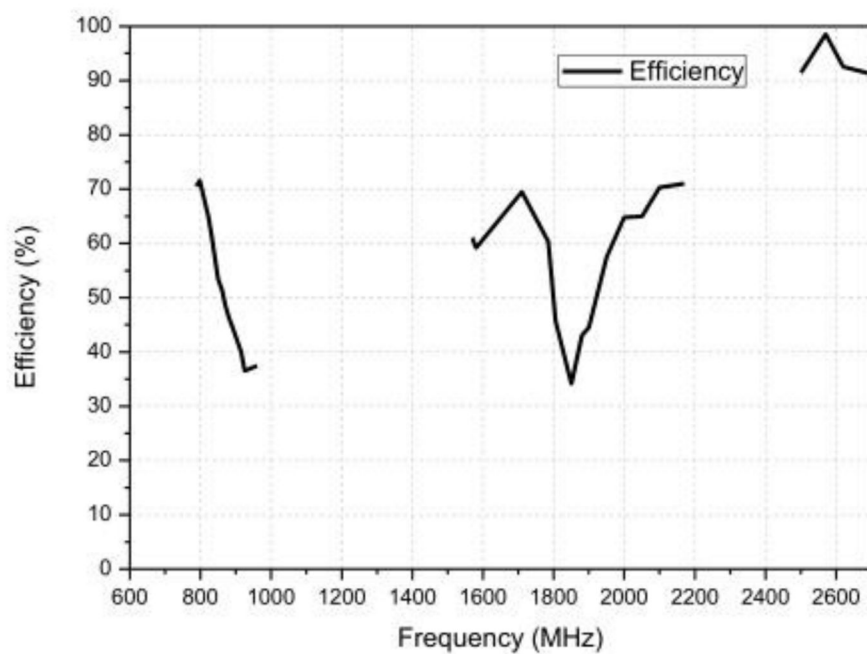
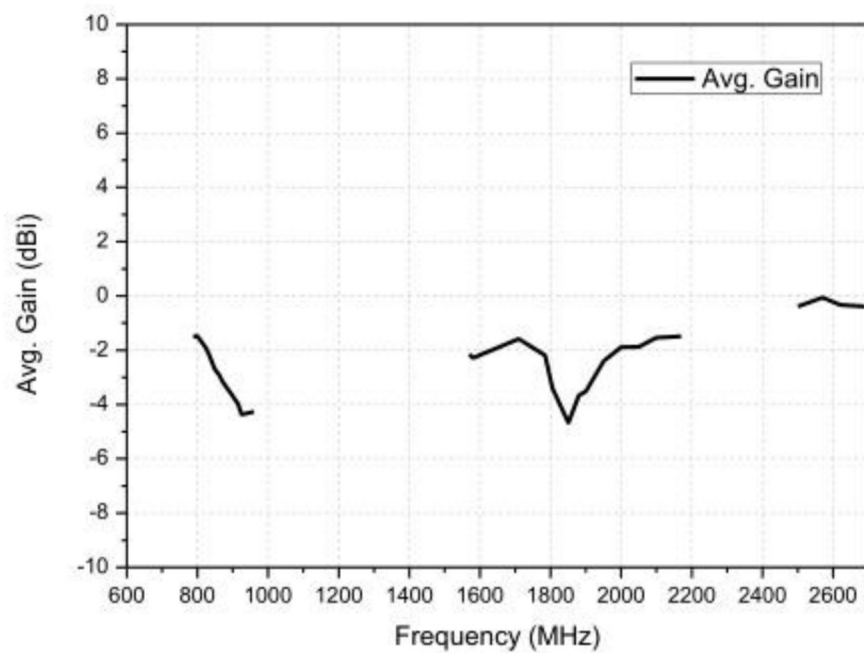
电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	698-960/1710-2700
频带宽度 Bandwidth (MHz)	2000
输入阻抗 Input Impedence (Ω)	50
电压驻波比 V.S.W.R	≤ 2.0
增益 Gain (dBi)	5.0
最大输入功率 Max Input Power (w)	10
机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)	225
连接器型号 Connect Type	SMA male(customizable)
外壳颜色 Radome Color	Black
重量 Weight (g)	60

4. 回損 (RETURN LOSS)



5. 特性 (CHARACTERISTICS)



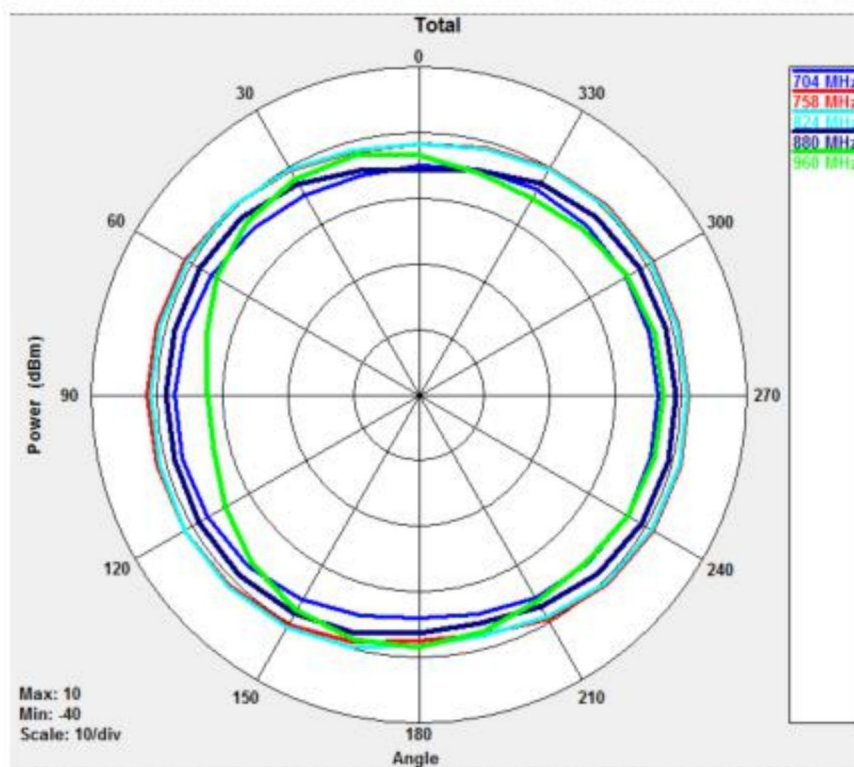


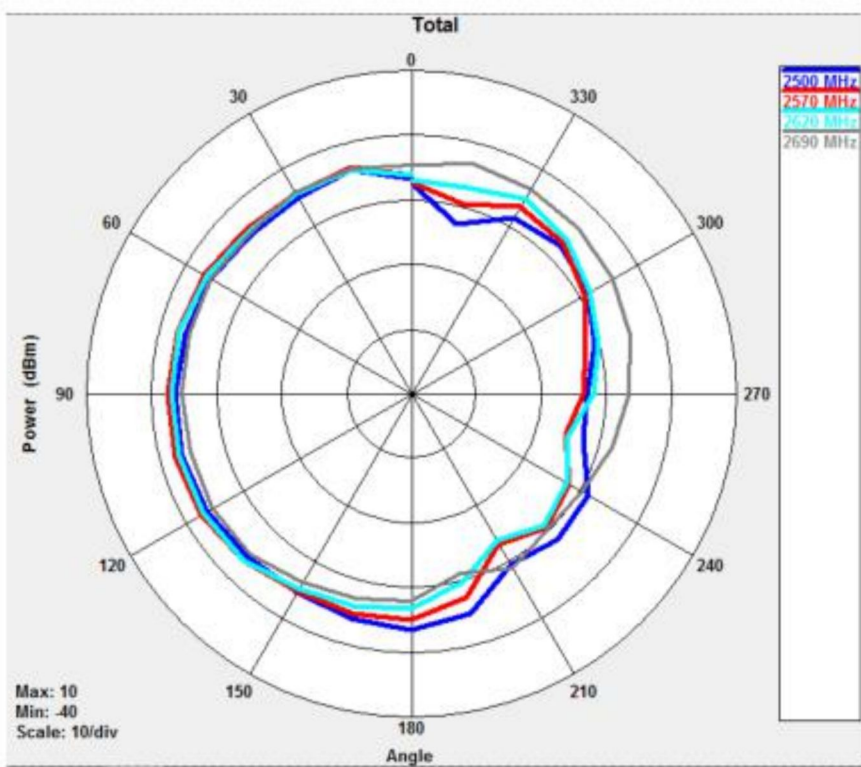
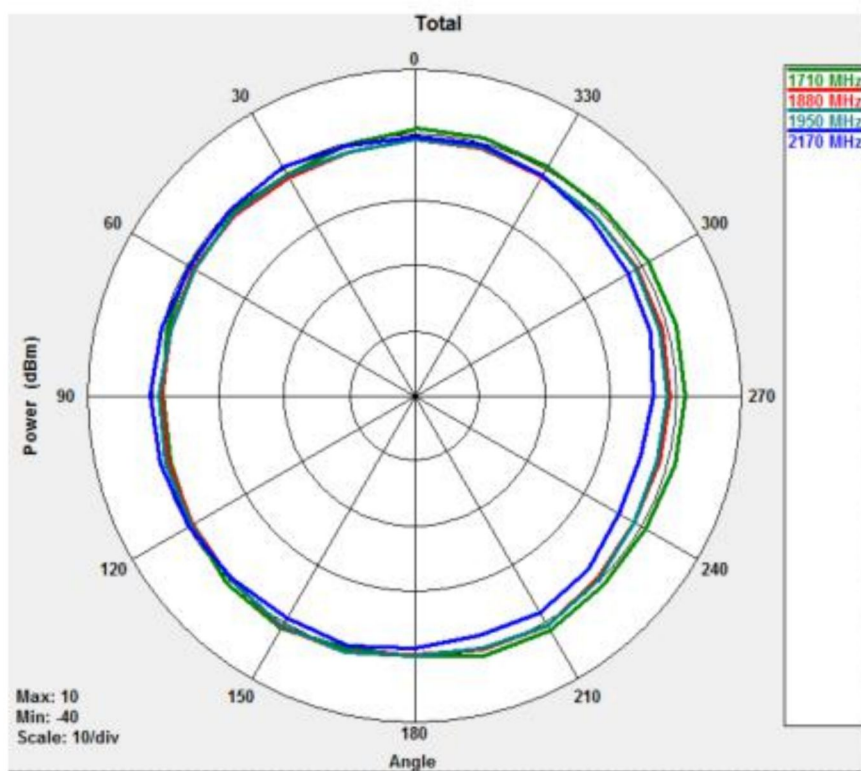
SJL3E02									
Frequency (MHz)	3D			V+H Avg. Gain			V+H Peak Gain		
	Efficiency (%)	Avg. Gain	Peak Gain	XY plane	YZ plane	ZX plane	XY plane	YZ plane	ZX plane
788	70.56	-1.51	1.55	0.38	-2.17	-2.51	1.55	1.41	-0.14
791	70.84	-1.50	1.60	0.43	-2.14	-2.49	1.60	1.38	-0.09
798	71.62	-1.45	1.77	0.56	-2.07	-2.46	1.77	1.52	-0.01
821	65.15	-1.86	1.57	0.32	-2.41	-2.82	1.57	1.40	-0.33
824	64.21	-1.92	1.54	0.28	-2.48	-2.87	1.54	1.35	-0.39
832	61.13	-2.14	1.38	0.07	-2.70	-3.05	1.38	1.20	-0.69
849	53.54	-2.71	0.64	-0.75	-3.30	-3.53	0.62	0.64	-1.38
862	51.18	-2.91	0.66	-1.35	-3.49	-3.62	-0.06	0.66	-1.73
869	48.88	-3.11	0.43	-1.78	-3.65	-3.77	-0.52	0.43	-1.95
880	46.44	-3.33	0.05	-2.36	-3.83	-3.87	-1.25	0.05	-2.00
894	43.85	-3.58	-0.48	-2.98	-4.09	-3.89	-1.99	-0.48	-1.78
915	39.98	-3.98	-1.20	-3.73	-4.63	-3.88	-2.66	-1.35	-1.76
925	36.55	-4.37	-1.70	-4.29	-5.15	-4.03	-3.18	-2.05	-2.11
960	37.49	-4.26	-1.06	-4.43	-5.25	-3.28	-2.48	-1.27	-1.13
1570	61.07	-2.14	1.33	0.48	-3.21	-3.61	1.33	1.28	0.74
1575.42	59.92	-2.22	1.22	0.35	-3.32	-3.68	1.22	1.13	0.66
1580	59.21	-2.28	1.15	0.26	-3.39	-3.73	1.15	1.06	0.57
1710	69.47	-1.58	2.10	0.09	-2.92	-2.82	1.73	1.26	1.50
1785	60.36	-2.19	1.57	-1.24	-3.11	-3.14	1.32	0.39	0.02
1805	45.78	-3.39	1.21	-3.07	-4.10	-4.13	-0.12	1.02	-0.82
1850	34.13	-4.67	-0.28	-4.15	-5.08	-4.78	-0.28	-2.18	-2.58
1880	43.03	-3.66	0.37	-3.09	-3.87	-4.02	0.37	-1.57	-0.89
1900	44.57	-3.51	0.72	-0.84	-4.58	-4.84	0.72	0.35	0.12
1950	57.51	-2.40	1.62	0.02	-3.43	-3.65	1.19	1.62	0.92
2000	64.83	-1.88	2.01	0.32	-2.90	-2.88	1.73	1.97	1.24
2050	65.00	-1.87	2.30	0.18	-2.80	-2.65	1.76	1.75	1.20
2100	70.29	-1.53	2.86	0.36	-2.27	-2.32	1.76	2.06	1.88
2170	71.01	-1.49	2.12	-0.45	-2.09	-2.20	0.95	1.64	1.95

SJL3E02									
Frequency (MHz)	3D			V+H Avg. Gain			V+H Peak Gain		
	Efficiency (%)	Avg. Gain	Peak Gain	XY plane	YZ plane	ZX plane	XY plane	YZ plane	ZX plane
2500	91.48	-0.39	4.28	-4.76	-0.84	-0.90	-1.67	4.27	2.82
2570	98.56	-0.06	4.17	-4.63	-0.54	-0.53	-1.41	4.15	3.26
2620	92.59	-0.33	4.08	-4.83	-0.84	-0.77	-1.65	3.94	2.95
2690	91.42	-0.39	4.21	-4.64	-0.85	-0.91	-1.10	4.16	2.68

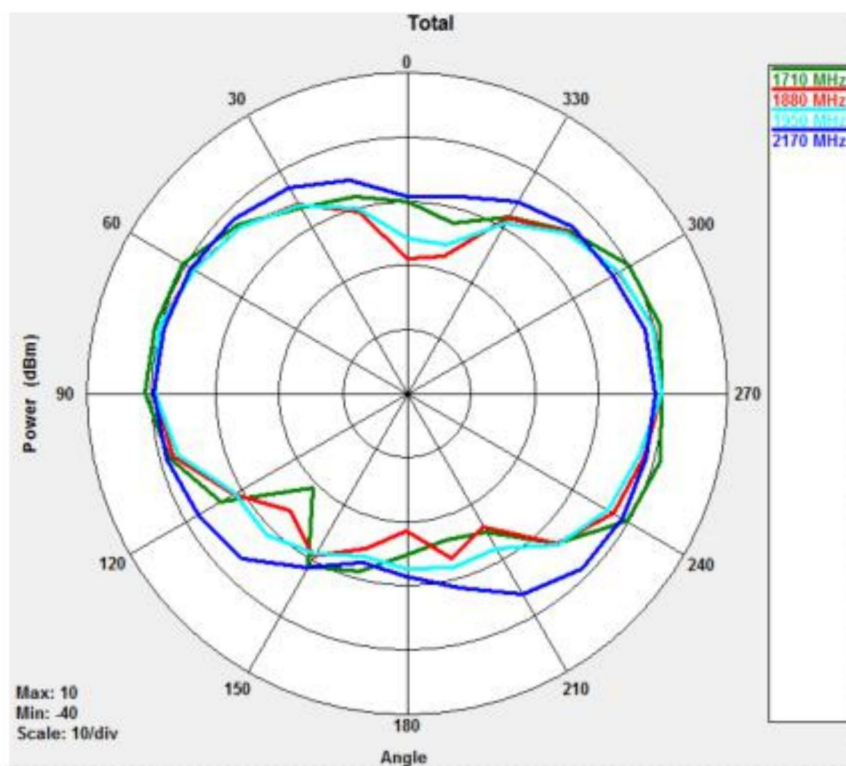
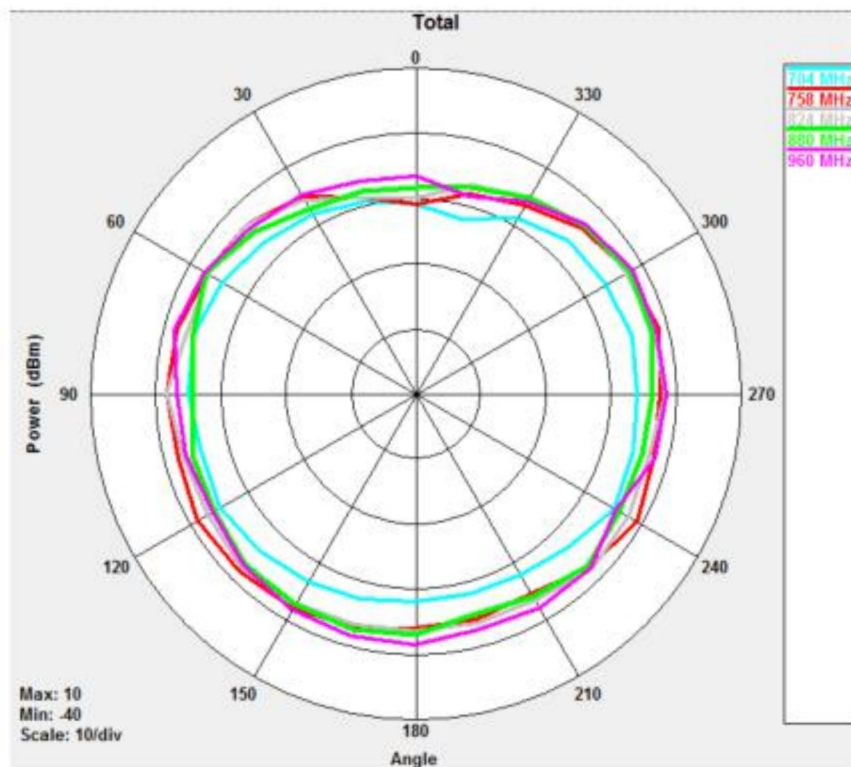
6、辐射图 (RF RADIATION PATTERN)

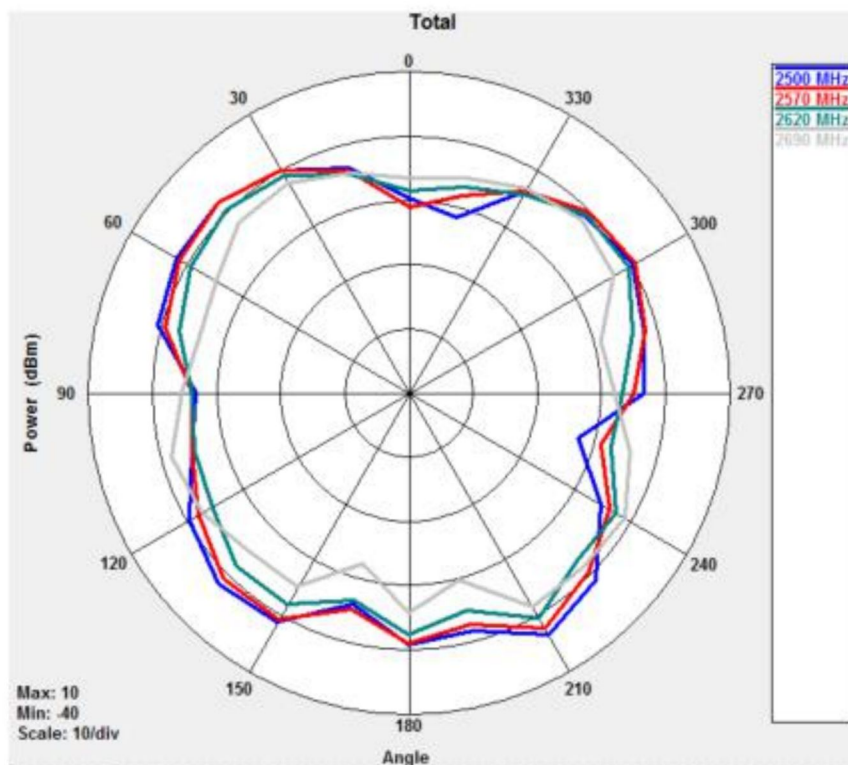
XY Plane





XZ Plane





YZ Plane

