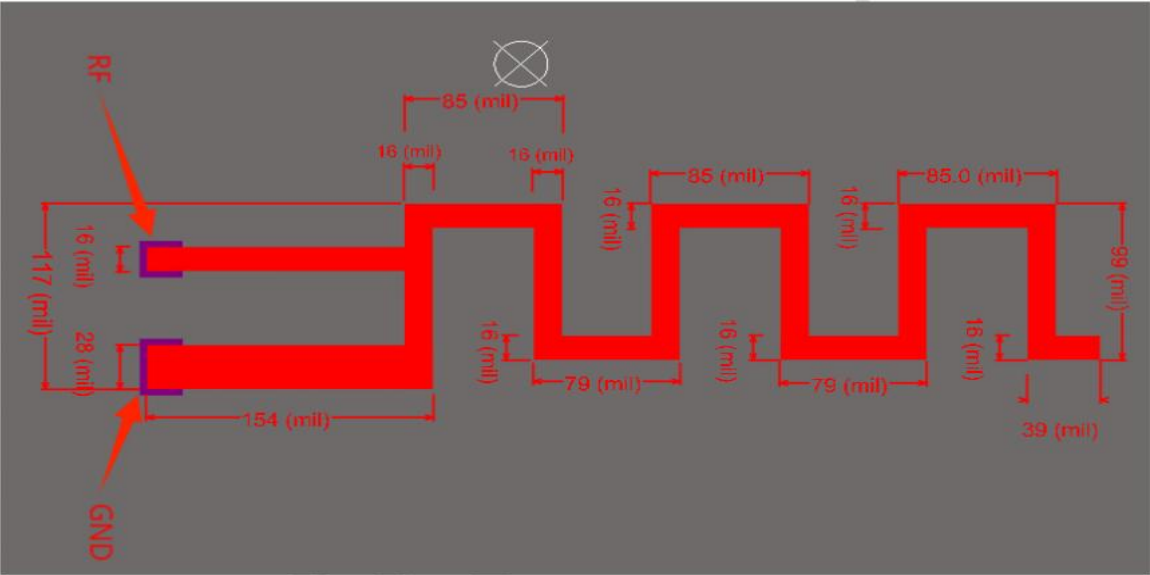


Antenna Specification

Product	:	K2509
Model Name	:	K2509_AIR108
Manufacture	:	DONGGUAN FL ESPORTSELECTRONICS CO.,LTD.
Address	:	Block B, Wangwuzhou Industrial Zone, Xincheng District, Shilong Town, Dongguan City, Guangdong Province
Test Item	:	Antenna gain; Radiation pattern and efficiency
Antenna Type	:	PCB Antenna
Frequency Range	:	2400MHz-2500MHz

Antenna size:

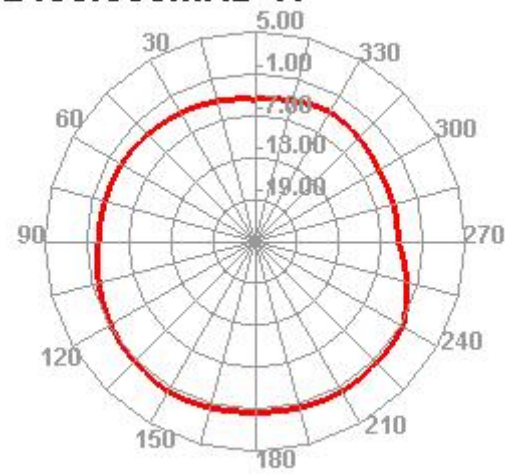


Test Data

Passive Test For 2400-2500MHz											
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
2400	53.51	-2.72	2.47	0.32	20.407	33.1	2.47	-10.51	5.19	46.77	47.04
2410	55.4	-2.56	2.52	0.37	21.315	34.087	2.52	-10.21	5.09	46.94	47.16
2420	56.13	-2.51	2.61	0.46	21.816	34.313	2.61	-10.01	5.12	47.02	47.39
2430	56.88	-2.45	2.57	0.42	22.35	34.534	2.57	-9.48	5.02	47.31	47.67
2440	62.3	-2.06	2.96	0.81	24.612	37.685	2.96	-8.57	5.01	47.68	47.91
2450	66.73	-1.76	2.17	1.02	26.373	40.353	3.17	-7.69	4.93	47.98	48.27
2460	67.64	-1.7	1.21	1.06	26.773	40.871	3.21	-7.16	4.91	47.79	48.02
2470	65.02	-1.87	2.96	0.81	26.005	39.019	2.96	-7.08	4.83	47.6	47.7
2480	65.71	-1.82	1.94	0.79	26.616	39.098	2.94	-7.01	4.76	47.93	48.05
2490	68.7	-1.63	2.13	0.85	28.213	40.483	3	-7.37	4.63	48.1	47.95
2500	70.97	-1.49	2.94	0.79	29.566	41.4	2.94	-8	4.43	48.13	48.09

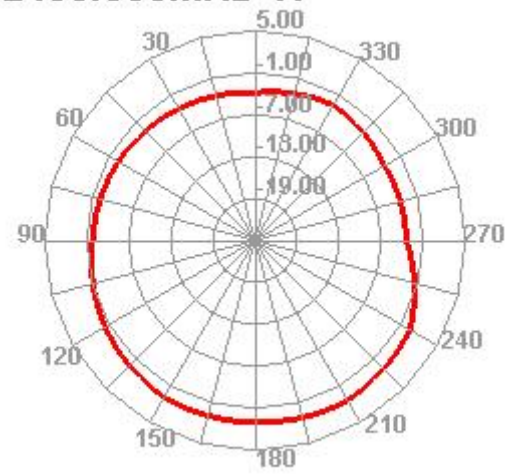
2400MHz

2400.000MHz H



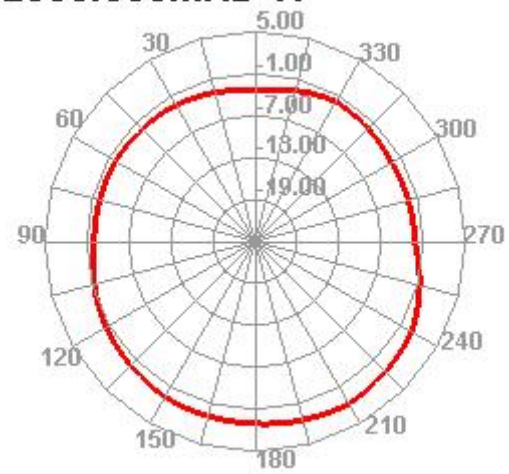
2450MHz

2450.000MHz H

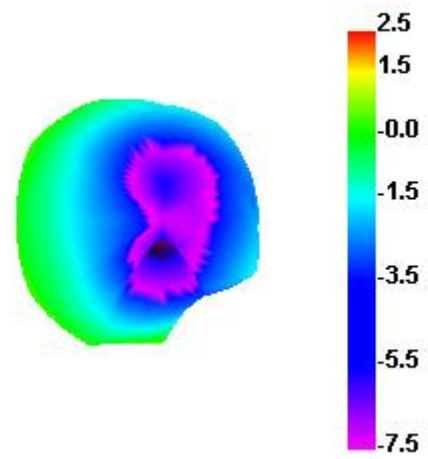


2500MHz

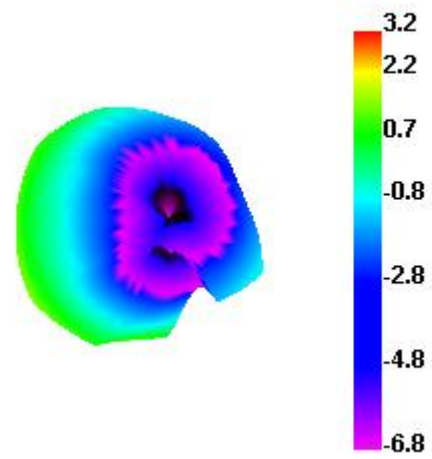
2500.000MHz H



3D Pattern for 2400MHz
2400.000MHz



3D Pattern for 2450MHz
2450.000MHz



3D Pattern for 2500MHz

2500.000MHz

