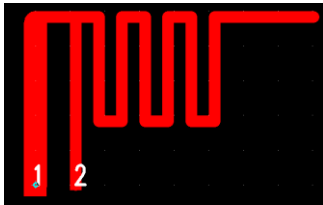
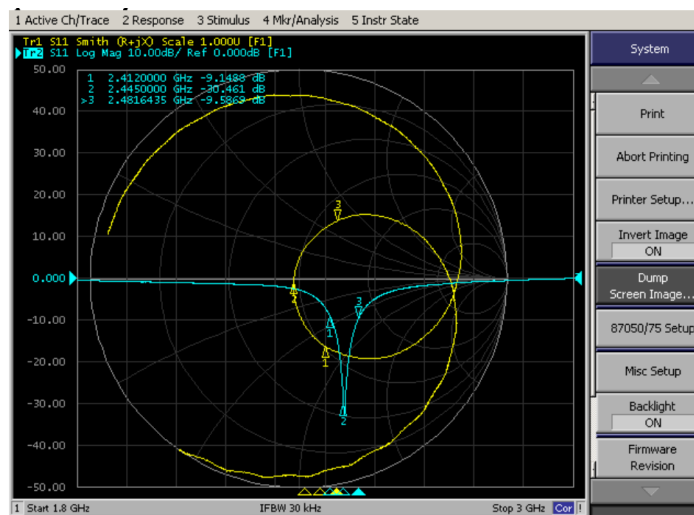


FG2109LB Antenna Gain

- 1、Line loss: 0.49dBi
- 2、Max Antenna Gain 0.8 dBi
- 3、Antenna shape and size: serpentine inverted F antenna, Length 12.8mm, width 8mm



- 4、Frequency of the antenna

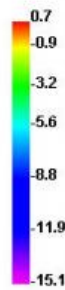
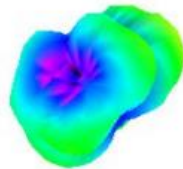


Antenna frequency at 2.445GHz return loss is -30dB, impedance is about 50, bandwidth 80m.

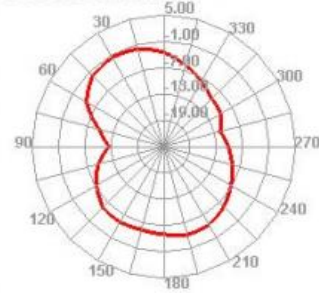
5、Test antenna efficiency

Passive Test For 2.4G								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dFd)	Max (dB)	Min (dB)	Attenuat Hor	Attenuat Ver
2400	20.18	6.95	-1.23	3.38	-1.23	21.62	49.5	49.72
2410	23.94	-6.21	-0.36	-2.51	-0.36	-18.63	49.89	50.19
2420	26.09	-5.83	0.3	-1.85	0.3	-16.92	50.03	50.29
2430	26.56	-5.76	0.61	-1.54	0.61	-16.55	49.9	50.15
2440	26.15	-5.83	0.34	-1.81	0.34	-17.07	49.76	50.1
2450	26.35	-5.79	-0.69	-1.43	-0.69	-15.08	49.86	50.05
2460	26.04	-5.84	0.8	-1.35	0.8	-17.78	49.73	49.92
2470	25.2	-5.99	0.39	-1.76	0.39	-15.92	49.6	49.81
2480	24.59	-6.09	0.26	-1.89	0.26	-14.9	49.69	49.89
2490	24.55	-6.1	0.47	-1.68	0.47	-14.37	49.94	50.14
2500	23.33	-6.32	-2.44	-2.12	-2.44	-15.47	50.15	50.22

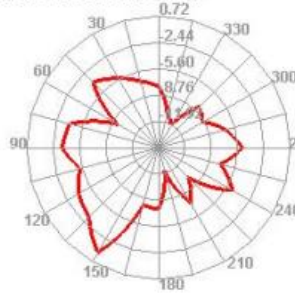
2450.000MHz



2400.000MHz H



2450.000MHz E1



2500.000MHz E2

