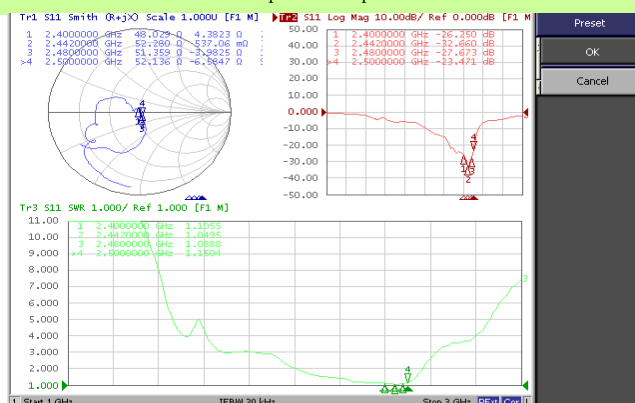


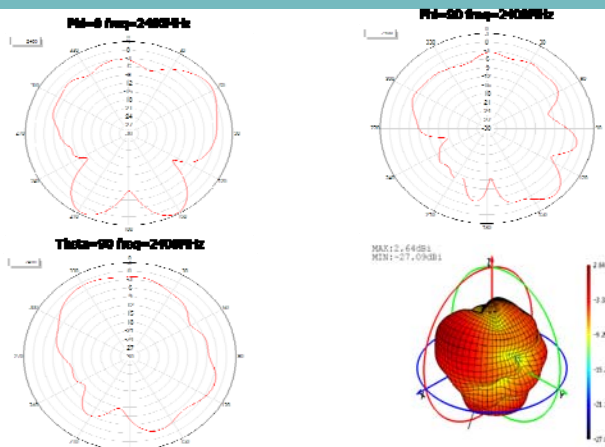
Antenna impedance parameter test



Antenna passive efficiency test (with 3D&2D direction chart)

Free efficiency

Frequency	gain(dBi)	efficiency(dB)	efficiency (%)
2400	2.64	-3.72	39.07
2410	2.68	-3.89	38.78
2420	3.15	-3.89	40.14
2430	3.63	-3.85	41.96
2440	3.84	-3.83	43.03
2450	4.16	-3.57	42.45
2460	4.27	-3.37	40.83
2470	4.43	-3.16	40.79
2480	4.52	-2.75	41.25
平均值	3.70	-3.56	40.92



New board raw OTA test data

OTA				OTA			
liberty	Channel	TRP (dBm)	TIS (dBm)	Head mold	Channel	TRP (dBm)	TIS (dBm)
	CH 0	4.57	-84.17		CH 0	3.2	-82.26
	CH 39	5.5	-87.91		CH 39	4.59	-87.35
	CH 78	6.25	-91.97		CH 78	5.23	-90.32

Optimized OTA test data

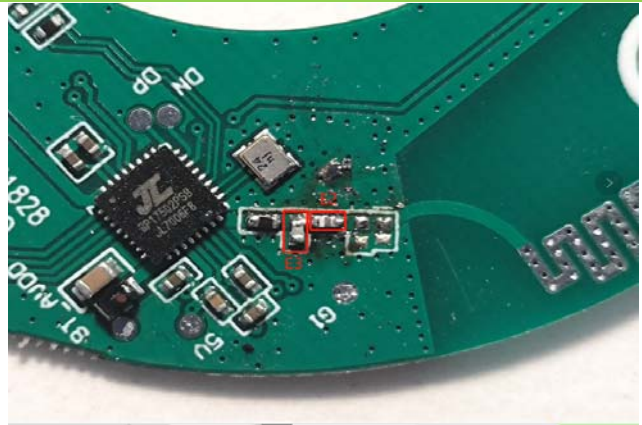
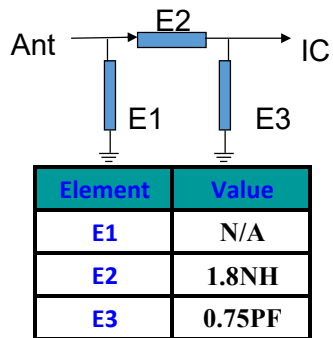
OTA				OTA			
liberty	Channel	TRP (dBm)	TIS (dBm)	Head mold	Channel	TRP (dBm)	TIS (dBm)
	CH 0	4.5	-86.92		CH 0	2.59	-86.95
	CH 39	5.92	-92.78		CH 39	4.19	-90.57
	CH 78	6.54	-93.09		CH 78	4.79	-90.96

Conduction test data

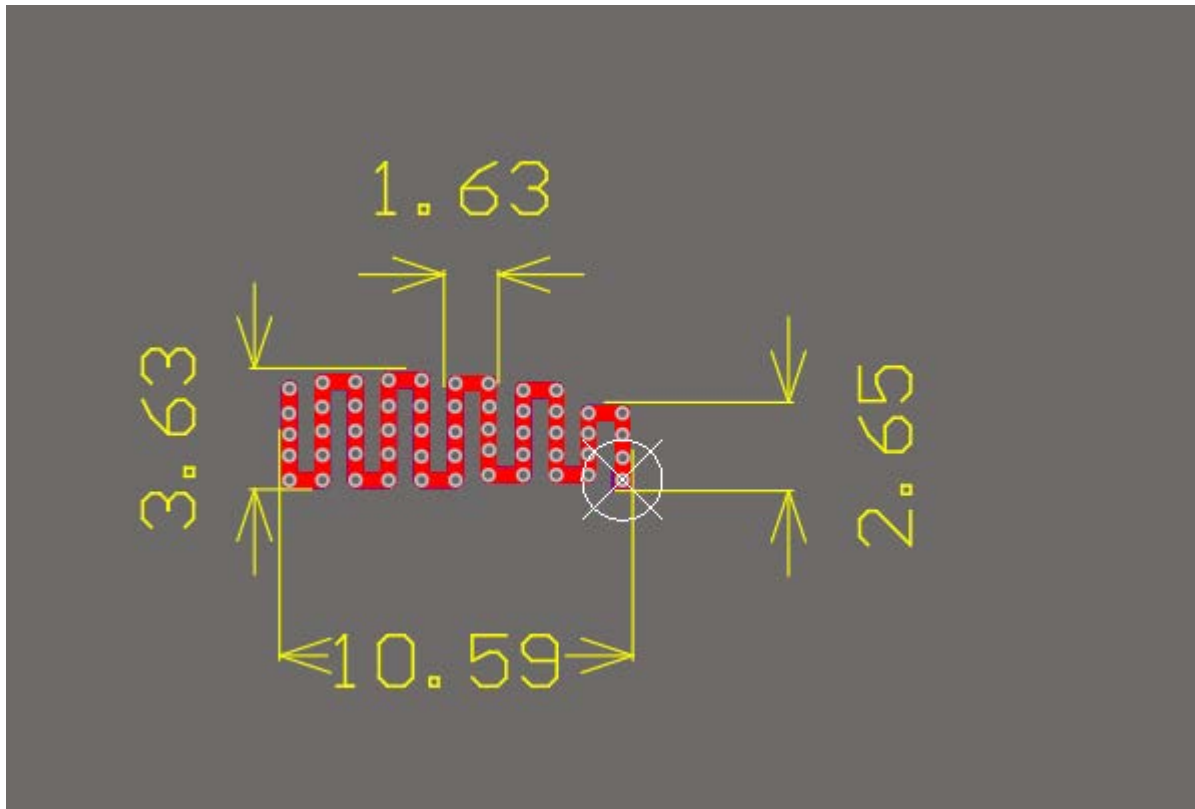
Channel	TRP (dBm)	TIS (dBm)
CH 0	6.42	-90
CH 39	7.15	-92
CH 78	7.07	-92

Antenna matching circuit

Match the circuit diagram



Antenna size (mm)



Manufacturer: Hongji Wireless Communication(Shenzhen)Co., Ltd
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 Model: 2.4G ANT