

HONANT

IMW5200 Passive test report

customer: Dolphin Electronics (DongGuan) Co.,Ltd.

entry name: IMW5200

Material category: BT antenna

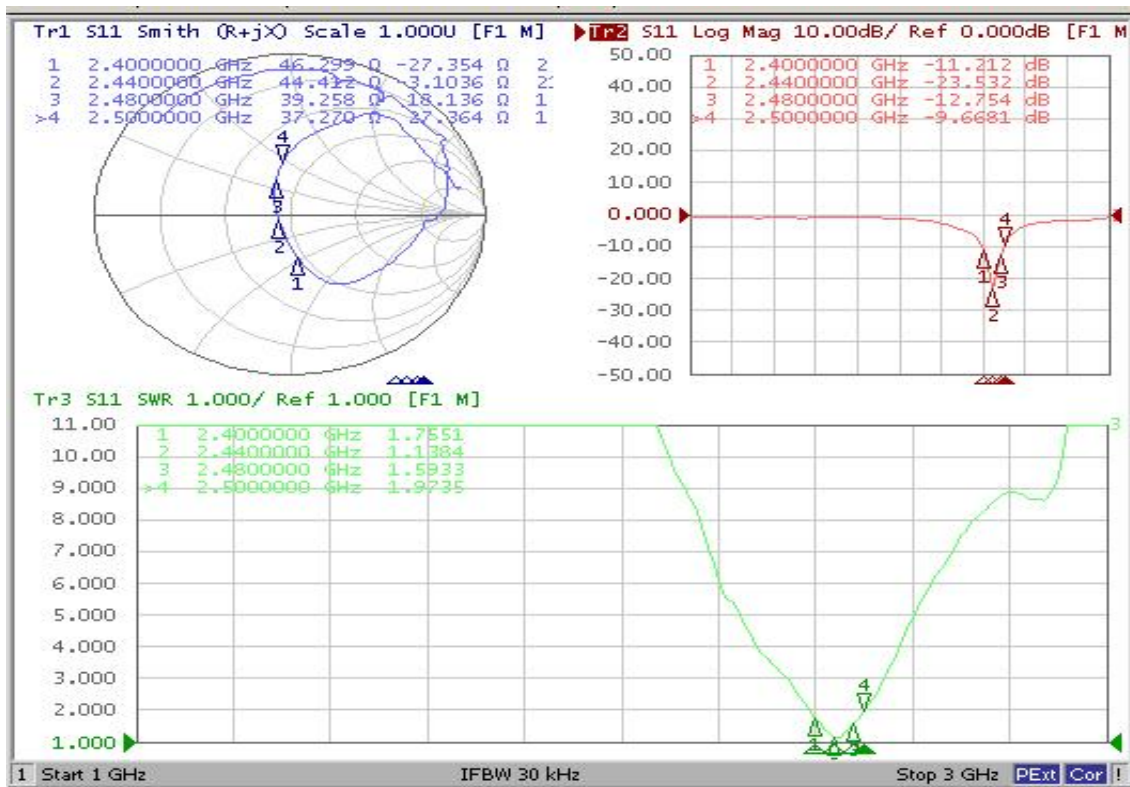
Antenna Type PCB

Antenna Material FPC

edition: A0

Date: 2024.3.26

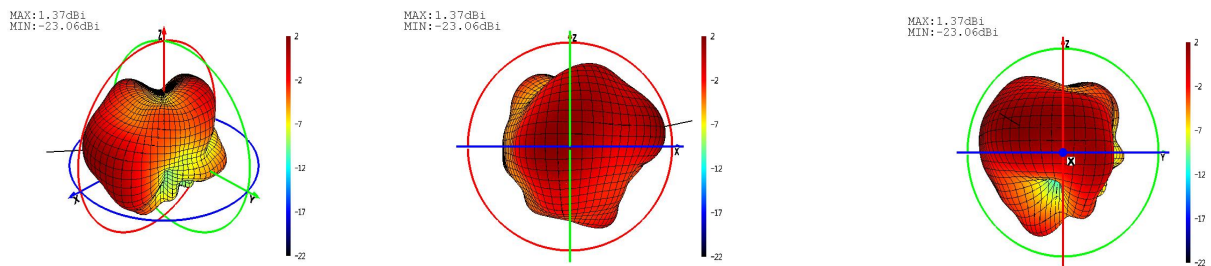
BT antenna S11 parameters



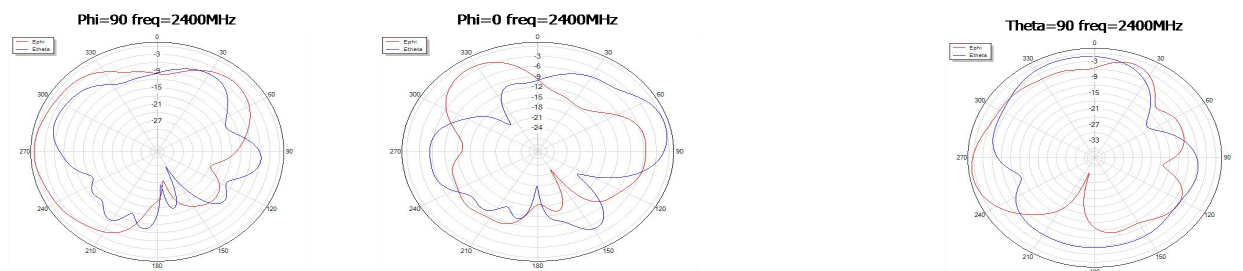
Passive pattern of BT antenna

Freq(MHz)	Gain(dBi)	EFF(dB)	Efficiency(%)
2400	1.37	-3.78	41.84
2410	1.39	-3.8	41.69
2420	1.34	-3.79	41.76
2430	1.46	-3.85	41.18
2440	1.71	-3.98	39.98
2450	1.75	-4.13	38.64
2460	1.53	-4.35	36.77
2470	1.88	-4.21	37.93
2480	1.96	-4.23	37.78
AVG	1.60	-4.01	39.73

Radiation Pattern (3D)

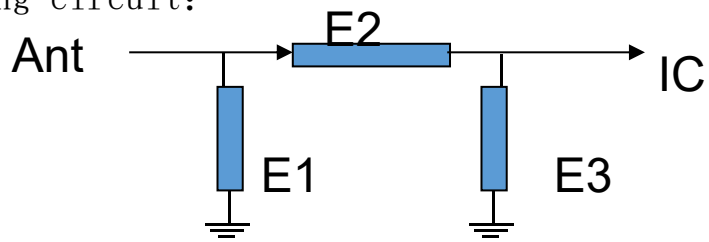


Radiation Pattern (3D)

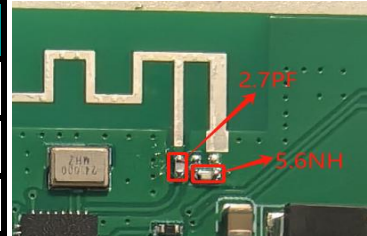


Matching circuit:

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Element	Value
E1	N/C
E2	2.7PF
E3	5.6NH



Antenna diagram

