

Shenzhen Wallet Electronics Co., Ltd.

U412F Antenna test report V1

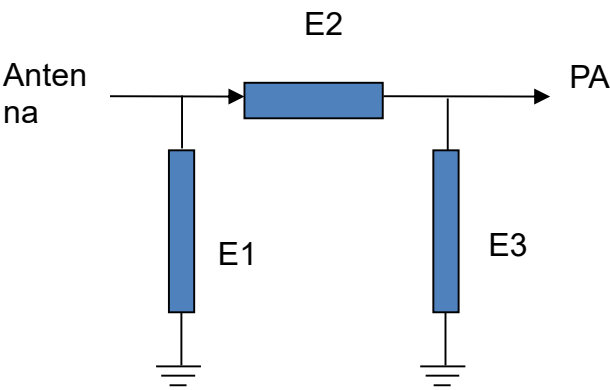
Test date:

2026-8-7

Purpose of this report:			
Conclusions of this report:			
Type	Frequency band	Material	Performance requirement
RX-SUB	2400-2480MHz	ON-board Ant	

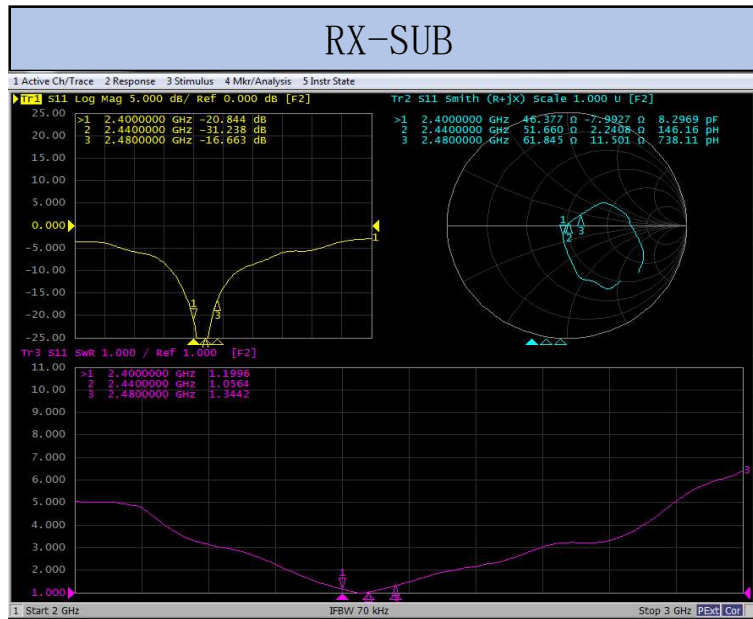
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Antenna Matching Circuit:



RX-SUB	
Element	
E1(0402)	6.8nH
E2(0402)	1.0pF
E3(0402)	NC

Antenna Passive S11 Parameter Testing:

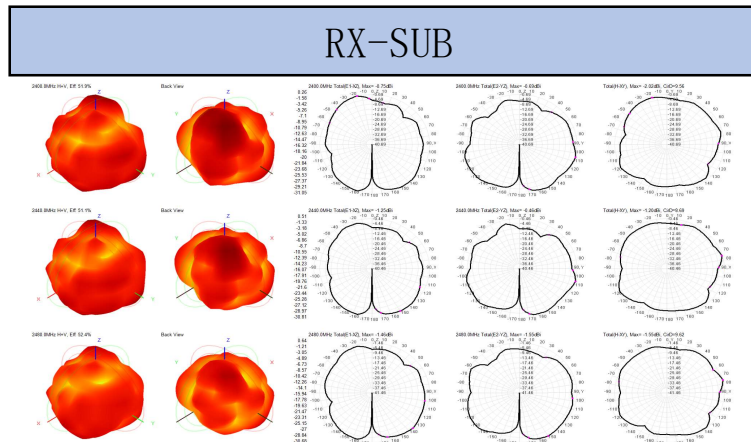


Freq (MHz)	2400	2440	2480
SWR	1.20	1.60	1.34
Log Mag	-20.84	-31.24	-16.66

Antenna Passive Efficiency and Gain Measurement:

RX-SUB		
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	0.26	51.90
2410	0.30	52.18
2420	0.33	51.95
2430	0.48	52.12
2440	0.51	51.13
2450	0.59	51.76
2460	0.57	51.70
2470	0.62	51.56
2480	0.64	52.45
2490	0.64	52.04
2500	0.56	52.04

Antenna Passive Radiation Pattern:



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Antenna OTA Data

RX-SUB		
Channels	TRP	TIS
0	5.68	-91.53
39	5.55	-90.98
78	6.41	-91.58

Antenna pictures

