

HSB5181 Antenna Specifications V3- Surround

2025/3/13

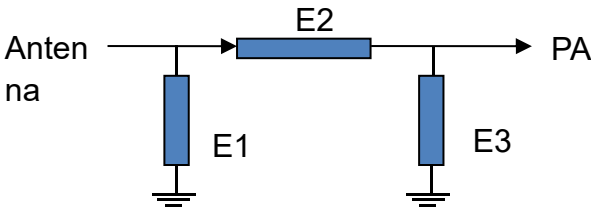
manufacturer Shenzhen World Elite Electronic CO.,LTD

ADD 5th Floor, Xiangyu 'er Comprehensive Building, No. 8, Longsheng Road, Longgang Sub-district, Longgang District, Shenzhen City

antenna	frequency	type	performance requirement
RX	2400-2480MHz	PCB antenna	

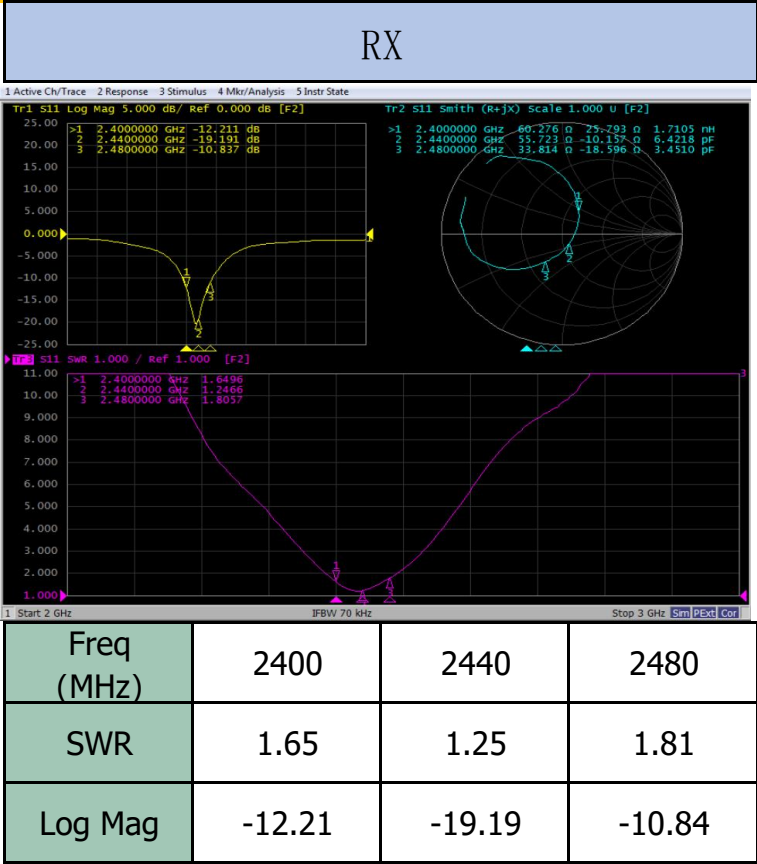
All information contained in this report is copyrighted by Wolite. Please do not disseminate it to any third party!

Antenna end matching circuit



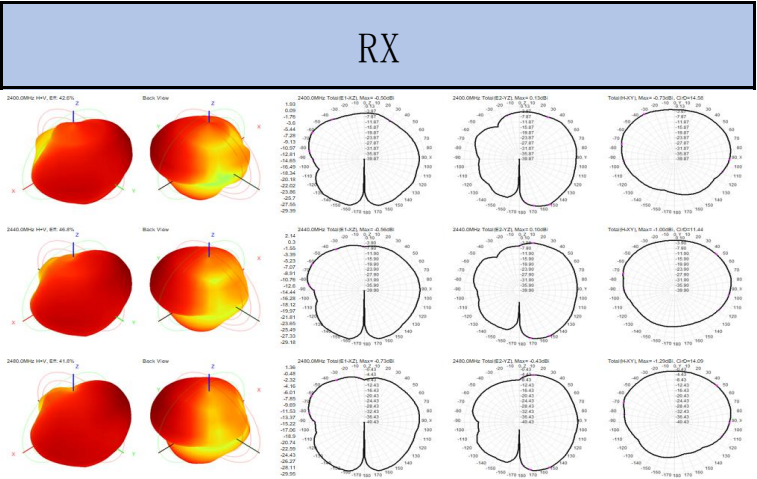
RX	
Element	
E1(0201)	NG
E2(0201)	1.2 p F
E3(0201)	3.0 n H

Passive S11 parameter test of antenna



Passive efficiency and gain testing of antennas

RX			
Frequency (MHz)	Gain (dBi)	Efficiency (%)	Efficiency (dBi)
2400	1.93	42.63	-3.70
2410	2.11	44.26	-3.54
2420	2.13	45.02	-3.47
2430	2.33	47.04	-3.27
2440	2.14	46.79	-3.30
2450	1.74	45.83	-3.39
2460	1.47	44.41	-3.52
2470	1.37	43.18	-3.65
2480	1.36	41.80	-3.79
2490	1.44	40.88	-3.88
2500	1.07	39.69	-4.01

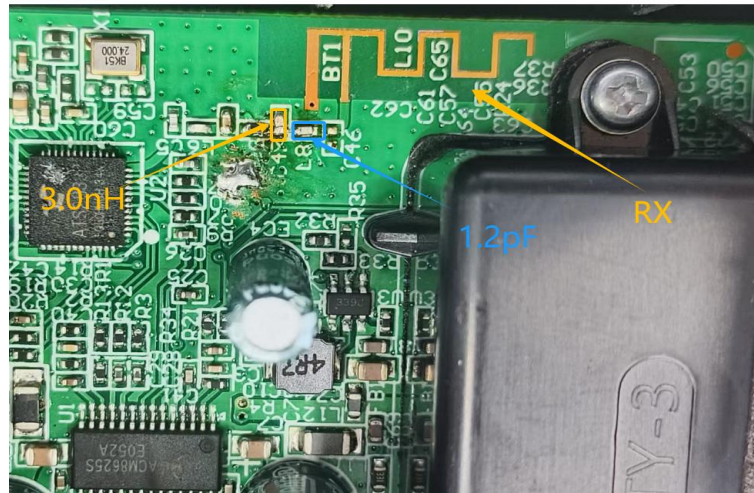


OTA:

RX-PCB		
Channels	TRP(dBm)	TIS(dBm)
0	5.07	-91.15
39	5.74	-89.82
78	5.55	-91.46

Antenna position and matching picture:

RX



Antenna size picture (mm) :

