

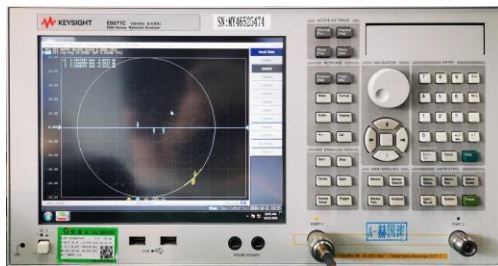
Wearable Bluetooth Device

Ant Spec

Table of Contents

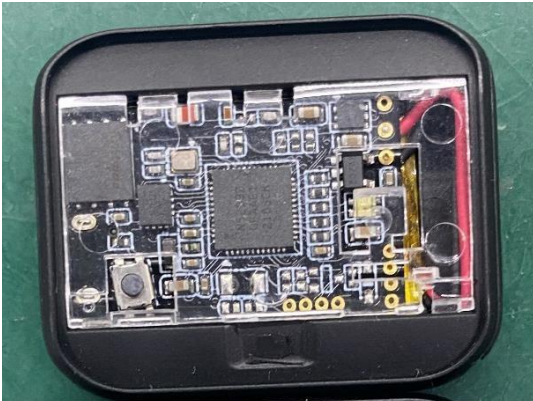
- Test conditions
- Appearance
- Antenna parameters
- Antenna passive efficiency
- Commissioning summary

Item	Test instrument	manufacturer
S parameter	E5062A	Agilent
passive benefit	E5071C/RayZone 1800	Keysight/GTS



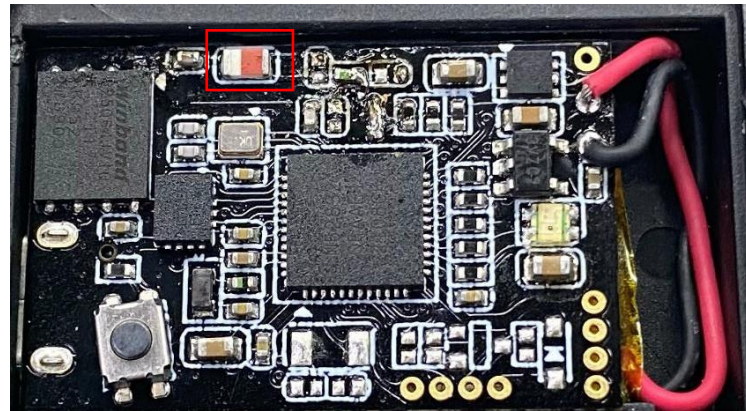
Sample appearance

1. Sample appearance

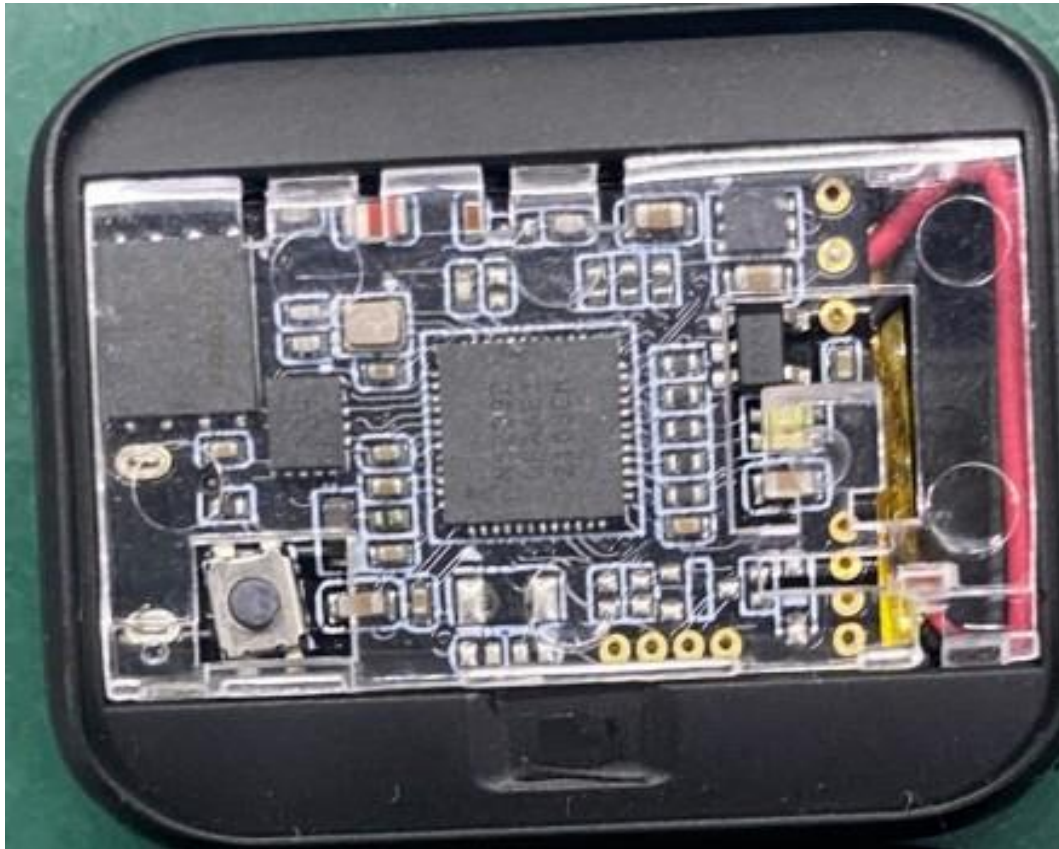


2. Ant location Ant type: Chip

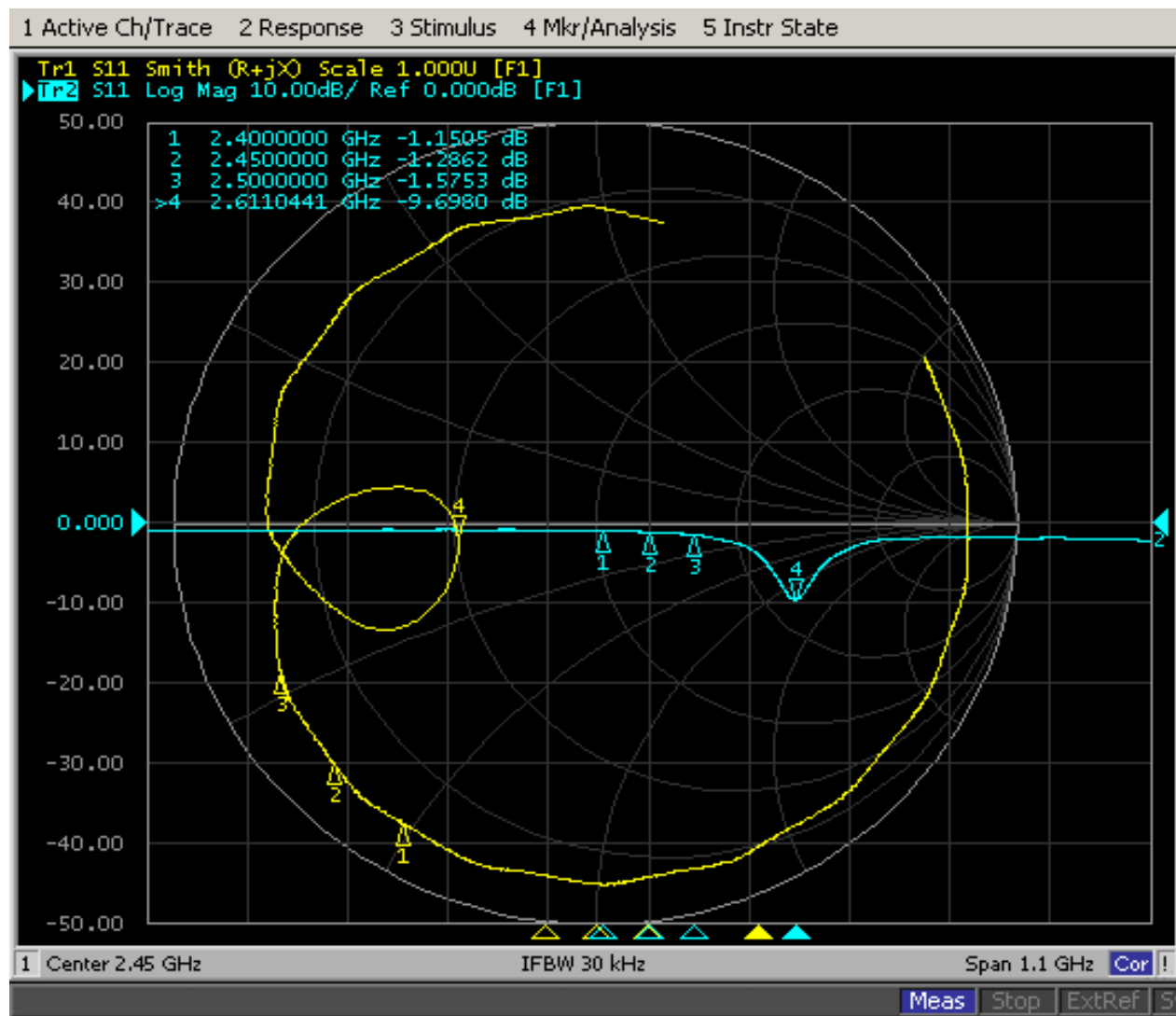
CW201



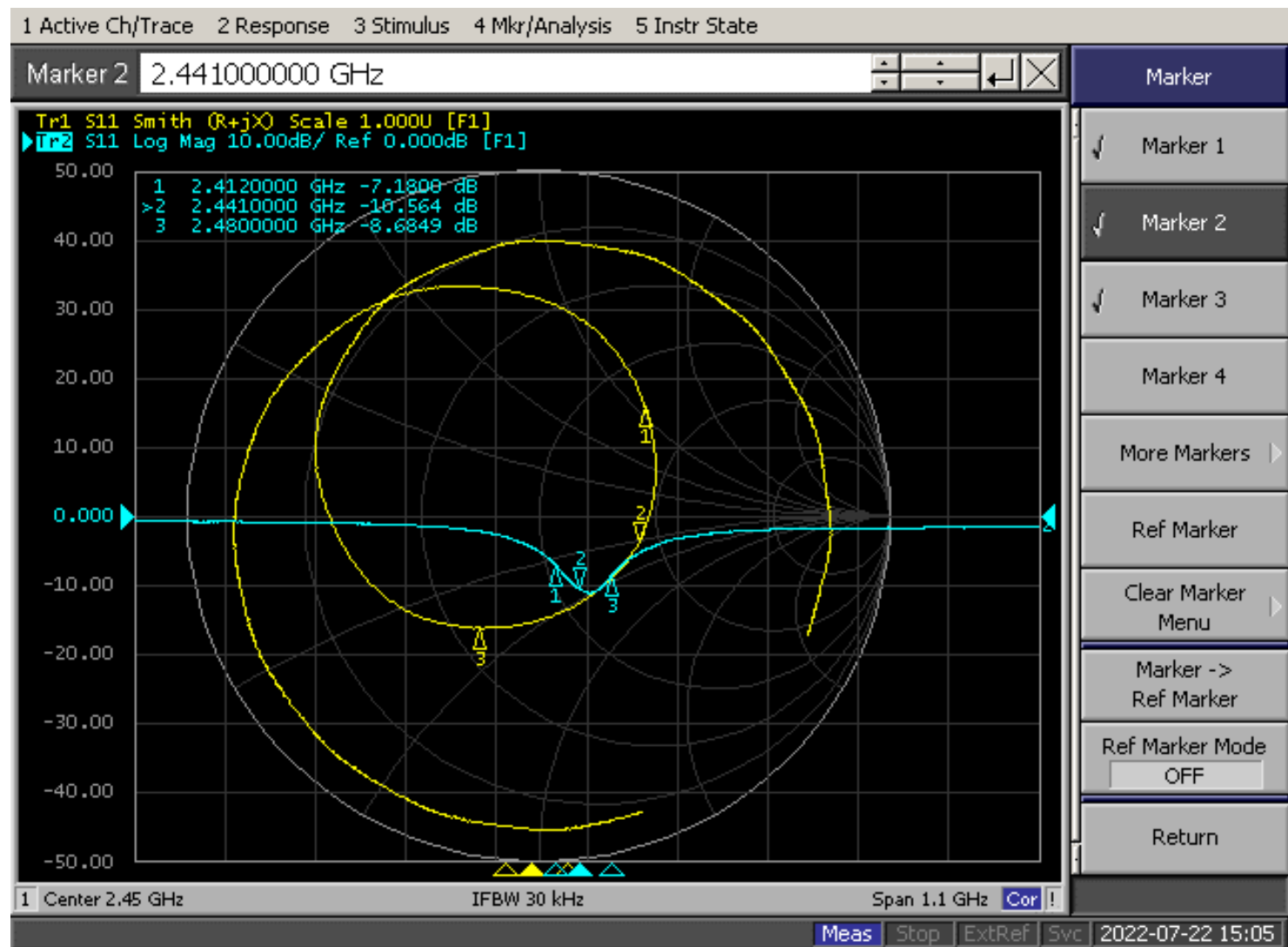
Assembly method



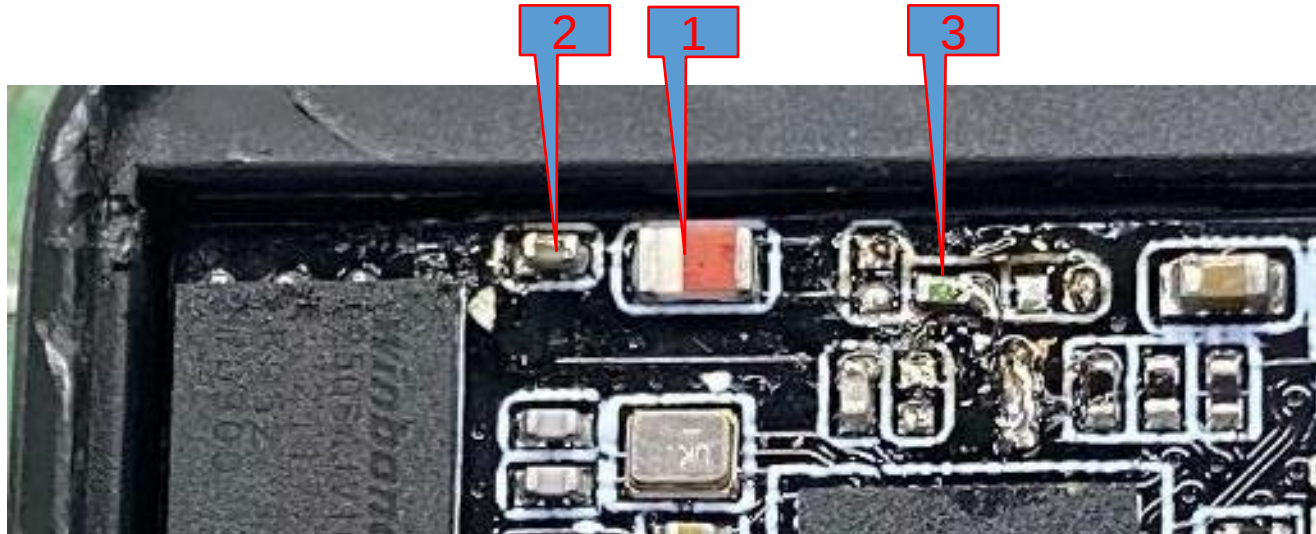
S parameter



Match antenna frequency



Matching parameters



ITEM	SPEC	Note
1	CW201	
2	C=3. 6pF/0402	
3	L=1. 5nH/0402	

	after			before		
Freq(MHz)	Gain(dbi)	Efficiency(dB)	Efficiency(%)	Gain(dbi)	Efficiency(dB)	Efficiency(%)
2400	-3.28	-6.67	21.51	-19.88	-23.67	0.43
2410	-2.85	-6.26	23.65	-19.93	-23.49	0.45
2420	-2.43	-6.07	24.73	-19.74	-23.04	0.50
2430	-1.95	-5.75	26.59	-19.19	-22.46	0.57
2440	-1.80	-5.62	27.44	-18.63	-22.02	0.63
2450	-1.89	-5.56	27.81	-18.06	-21.42	0.72
2460	-1.76	-5.49	28.24	-17.46	-20.98	0.80
2470	-2.02	-5.68	27.01	-16.82	-20.42	0.91
2480	-2.28	-5.72	26.78	-16.18	-19.64	1.09
2490	-2.41	-5.95	25.44	-15.40	-19.10	1.23
2500	-3.14	-6.52	22.30	-14.93	-18.61	1.38

Thanks for Your Attention