

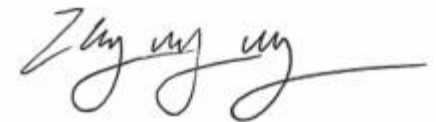
Antenna report

Model: PI3501

Manufacturer: Hiigge Co., Ltd.

Address: Room 208, Floor 12, Building 1, No.588 Zixing Road, Minhang District, Shanghai, China

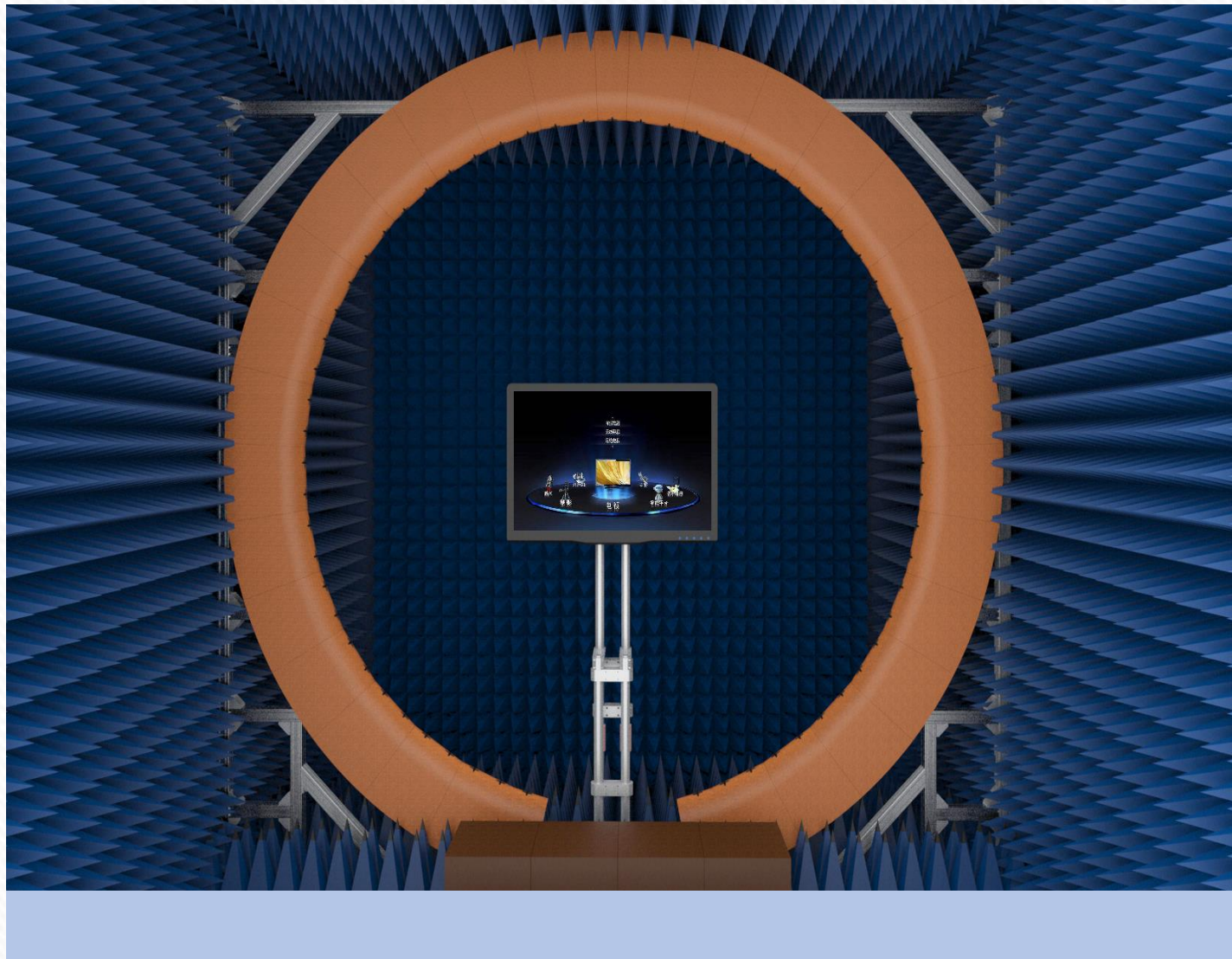
Person in charge sign :

A handwritten signature in black ink, appearing to read 'Zhang Jing', is written on a white rectangular background.

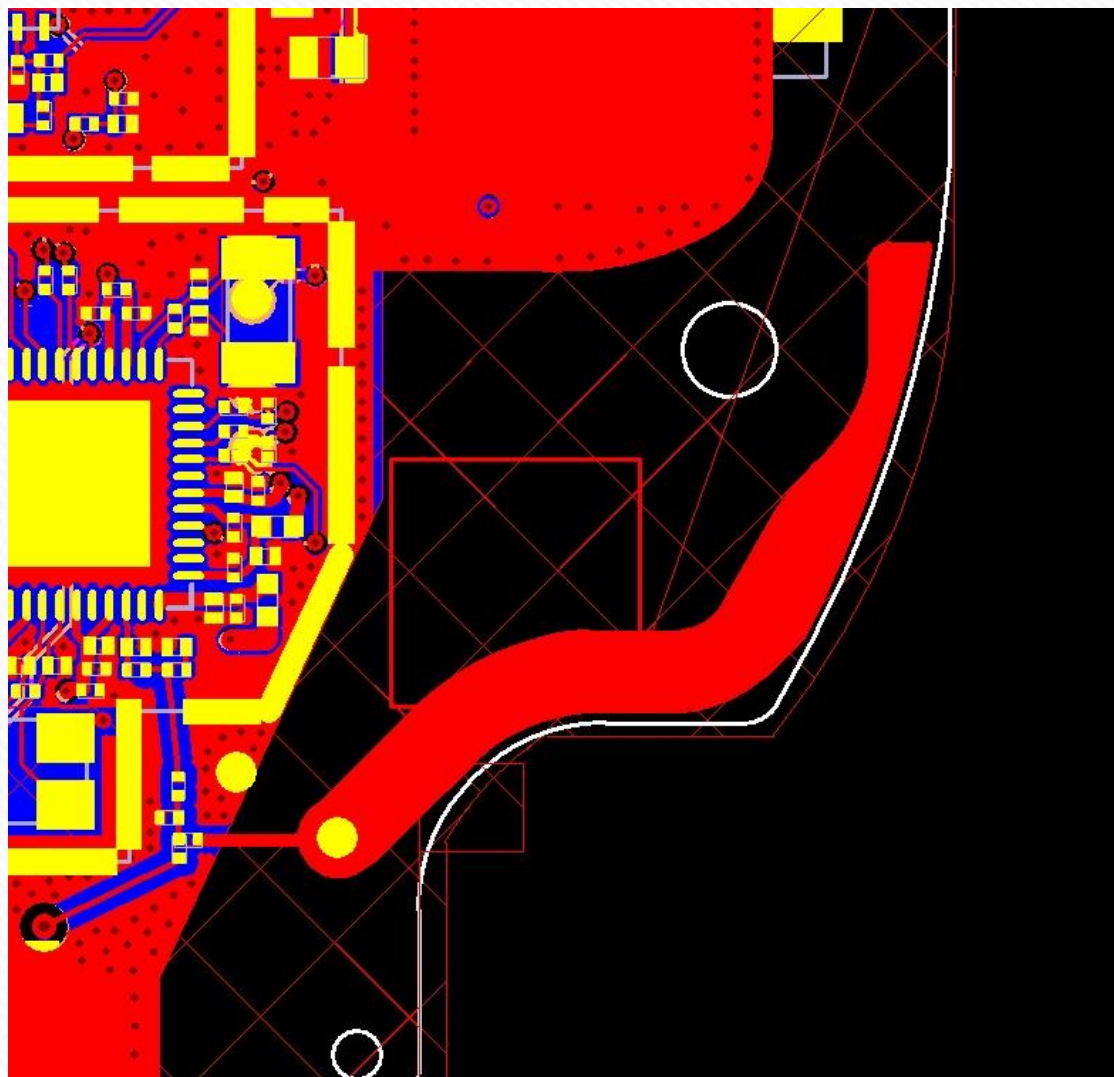
Catalogue

- 1, Equipment list
- 2, Antenna picture
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- 4, Antenna passive efficiency
- 5, Antenna pattern
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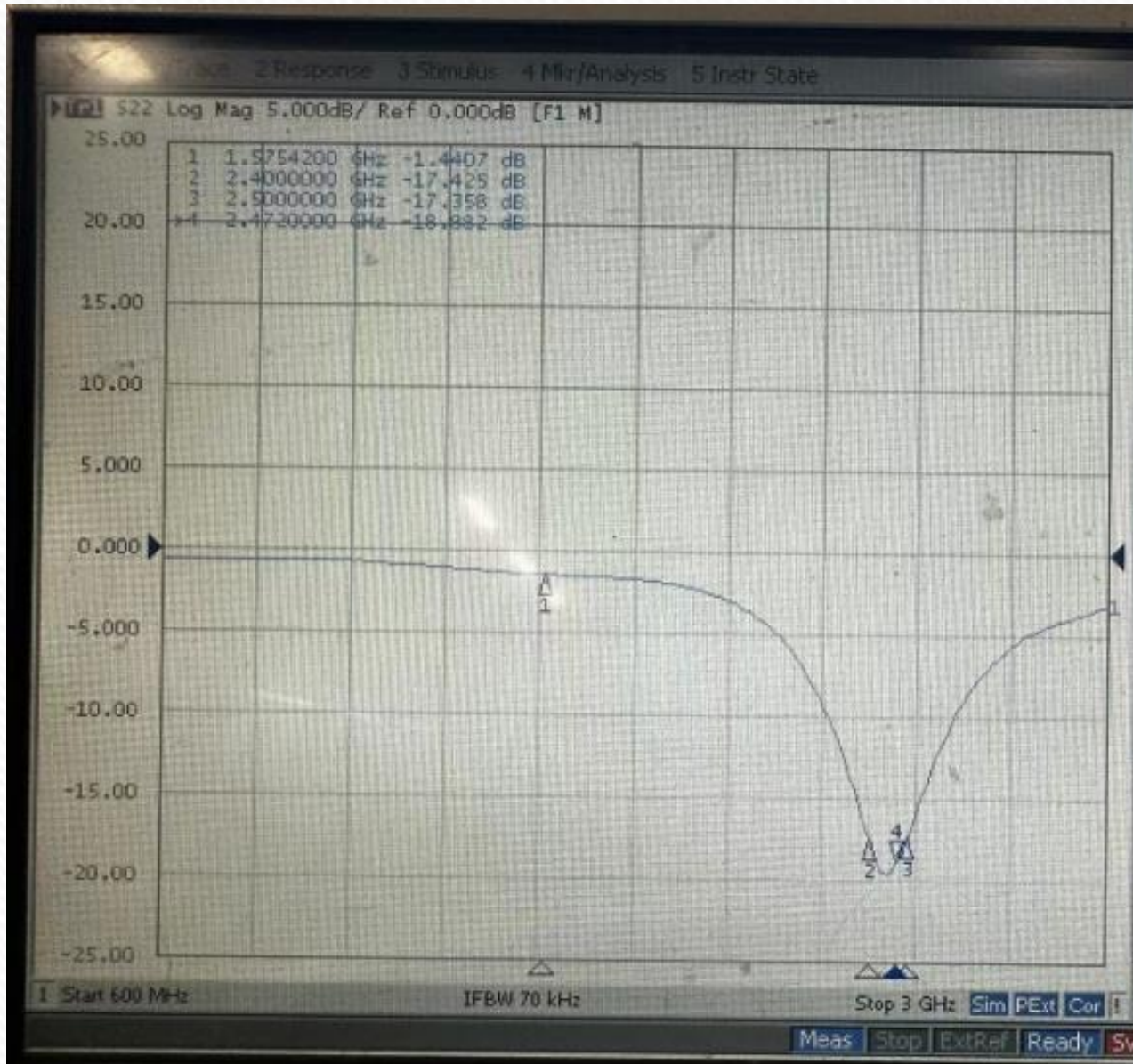
Equipment list



Device name	quantity
OTA lab	10
5G Integrated Measuring Instrument (SP9500-CTS)	3
R&S Integrated Measuring Instrument (High quality CMW500)	7
Anritsu Integrated Meter (Dual Channel 8820)	4
NB-IoT Integrated Measuring Instrument (SP8315)	3
Agilent Integrated Measuring Instrument (8960)	9
Agilent Network Analyzer (E5062A)	7
Agilent Network Analyzer (E5071C 8.5GHZ)	11
Agilent Network Analyzer (E5071B 8.5GHZ)	10
R&S Network Analyzer (ZND)	10
R&S Network Analyzer (ZVB)	3
OTA head hand/cochlea/arm	5
GPS/WIFI active test equipment	5

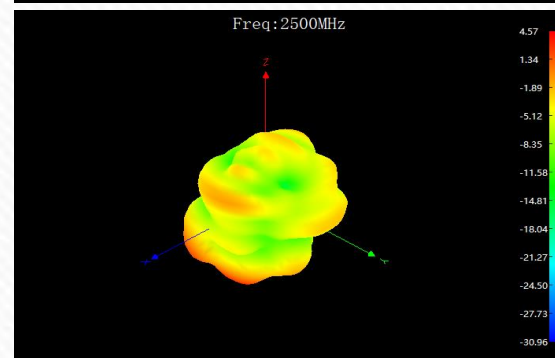
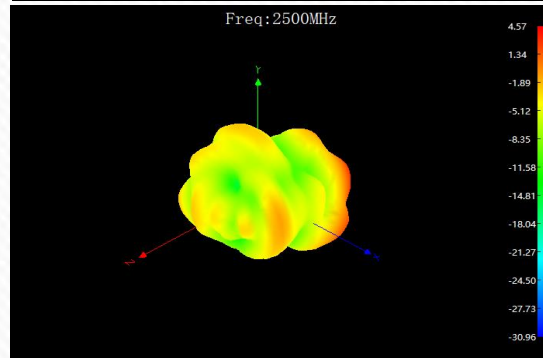
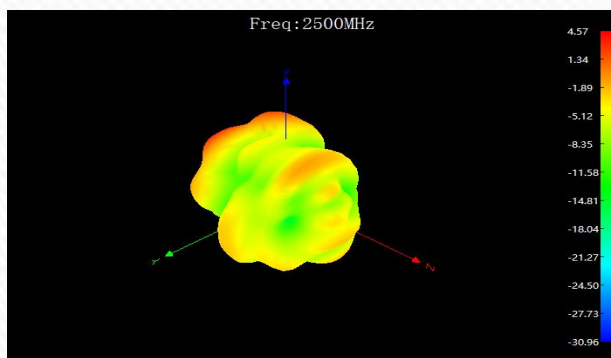
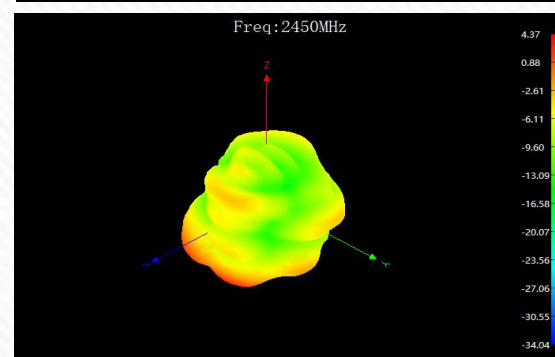
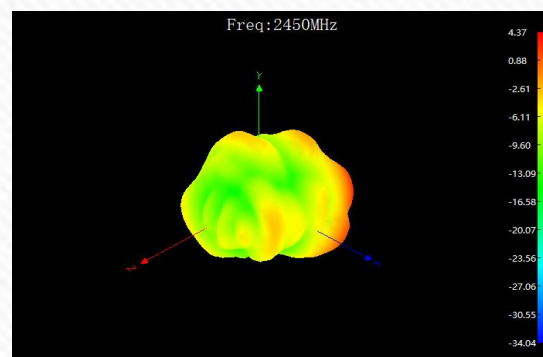
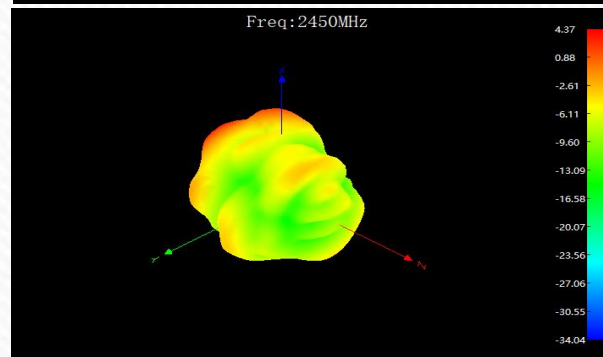
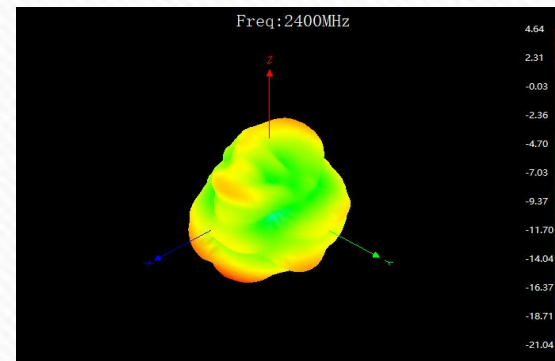
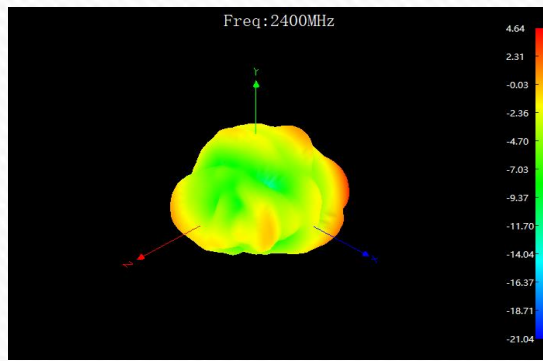
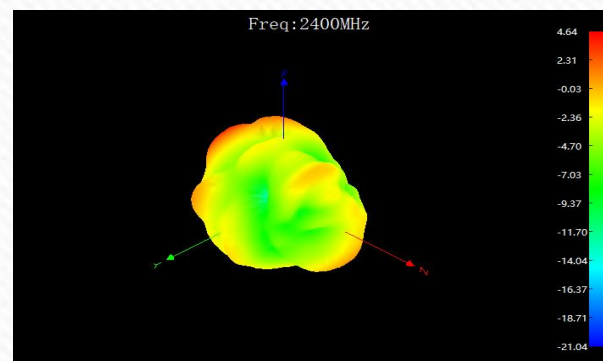


Antenna S11 parameters



Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-3.06	49.43	4.64
2410	-2.64	54.45	4.43
2420	-2.52	55.98	4.35
2430	-2.77	52.84	5.24
2440	-2.69	53.83	4.31
2450	-2.56	55.46	4.37
2460	-2.96	50.58	4.99
2470	-2.87	51.64	4.3
2480	-2.95	50.7	4.56
2490	-2.91	51.17	5.03
2500	-2.74	53.21	4.57

Antenna pattern



	CH	TRP	TIS
WiFi B	1	15.72	
	7	16.14	
	13	16.63	-85.82
WiFi G	1	12.66	
	7	12.82	
	13	12.59	-72.06
WiFi N	1	12.55	
	7	13.79	
	13	12.66	-70.79