

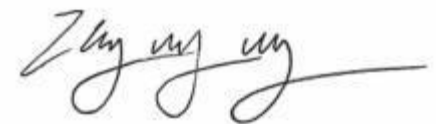
Antenna report

Model: PI3505

Manufacturer: **Hiigge Co., Ltd.**

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

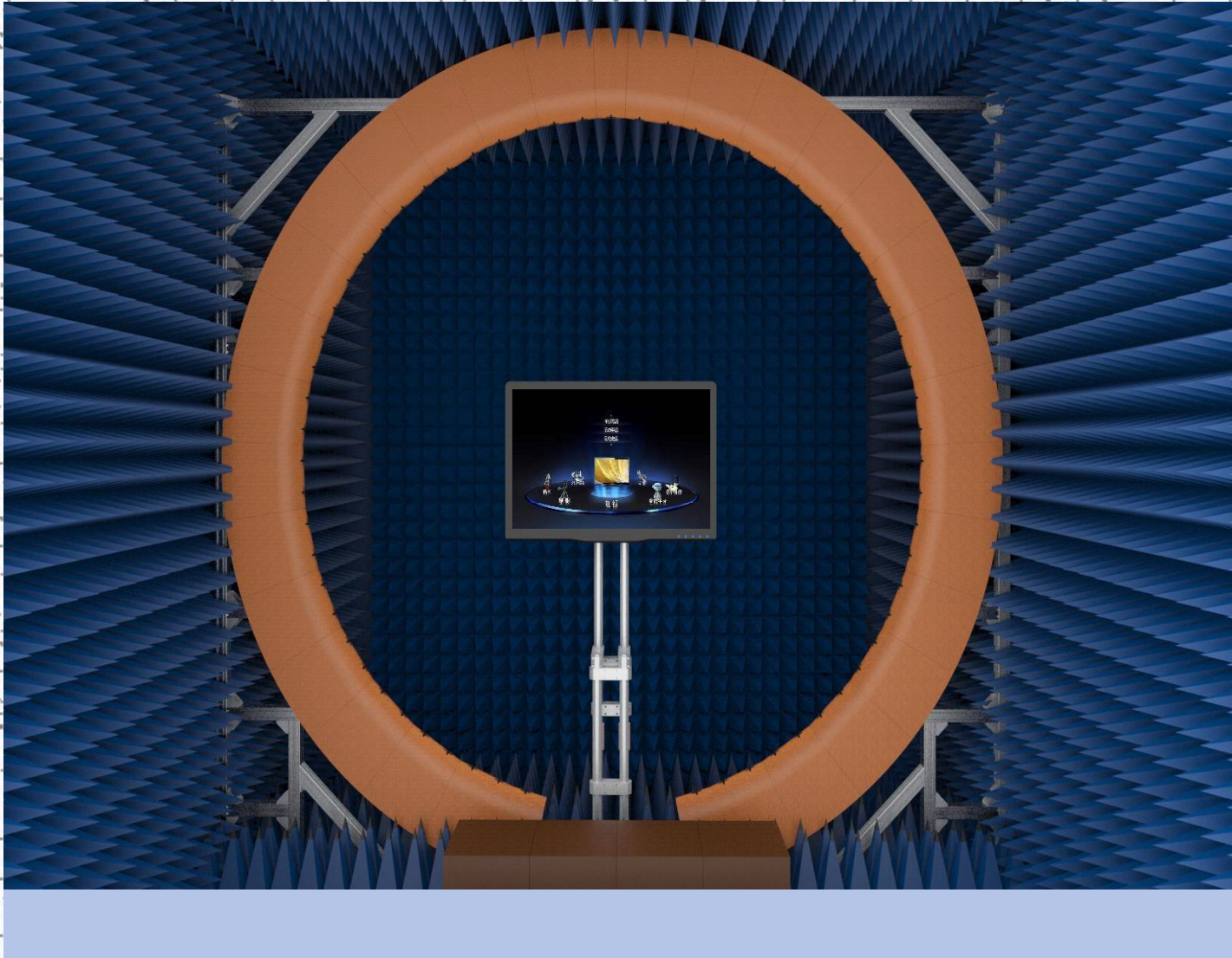
Person in charge sign :

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

Catalogue

- 1, Equipment list
- 2, Antenna S11 ,
- 3, Antenna passive efficiency
- 4, Antenna pattern
- 5, OTA active data

Equipment list



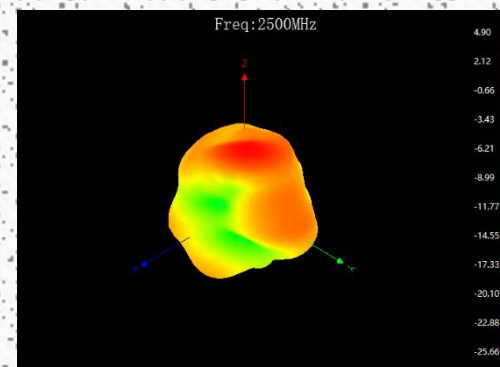
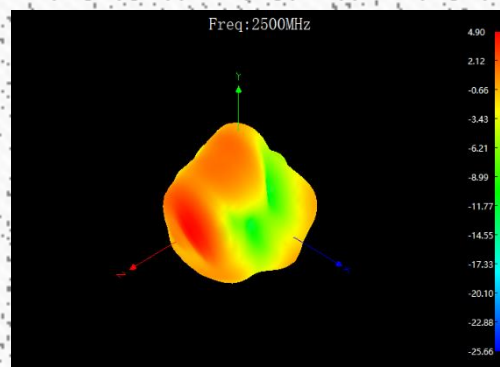
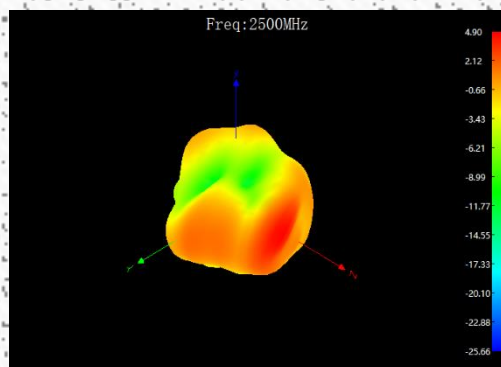
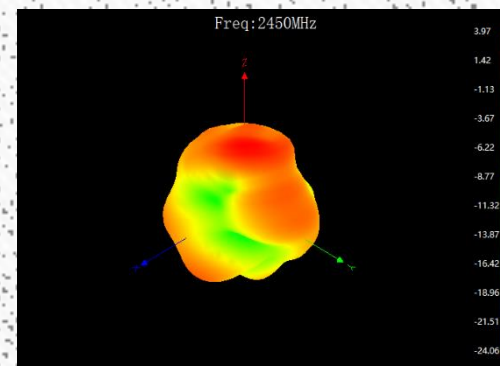
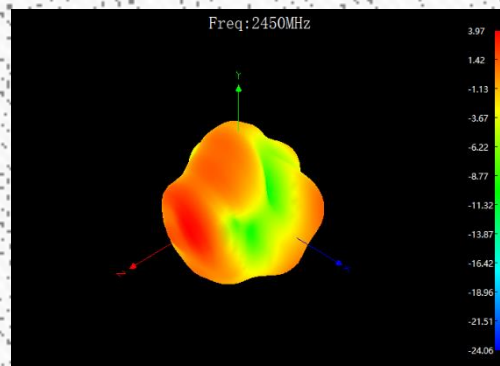
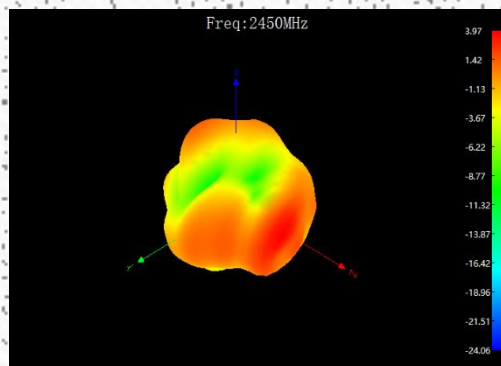
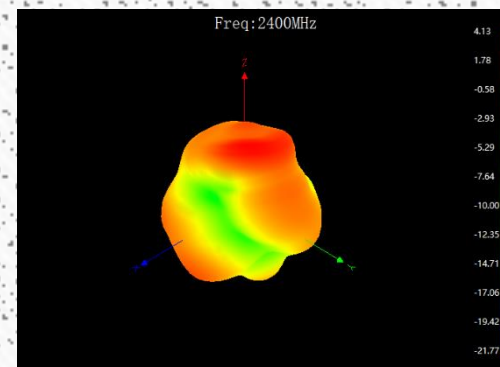
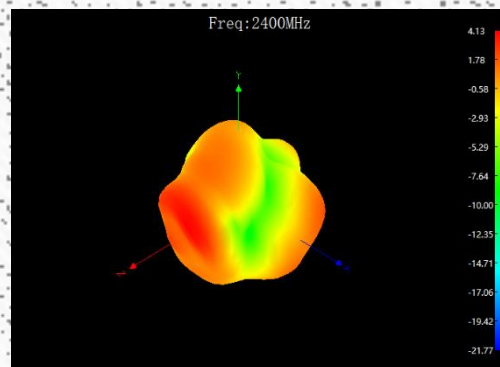
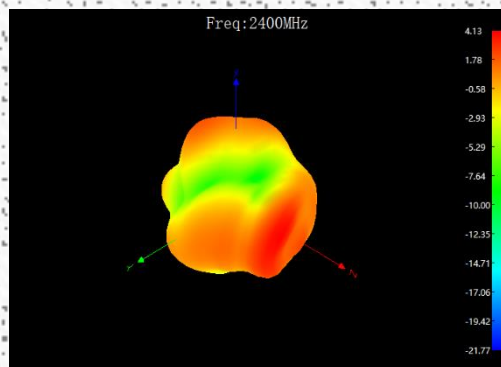
Device name	quantity
OTA lab	10
5G Integrated Measuring Instrument (SP9500-CTS)	3
R&S Integrated Measuring Instrument (High quality CMW500)	7
Anritsu Integrated Meter (Dual Channel 8820)	4
NB-IoT Integrated Measuring Instrument (SP8315)	3
Agilent Integrated Measuring Instrument (8960)	9
Agilent Network 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	Efficiency	Efficiency	MaxGain
Mhz	%	dB	dBi
2400	43.45	-3.62	2.33
2410	46.03	-3.37	1.59
2420	50.23	-2.99	2.14
2430	48.19	-3.17	2.26
2440	46.24	-3.35	1.25
2450	46.56	-3.32	2.17
2460	42.56	-3.71	2.3
2470	42.07	-3.76	1.94
2480	39.99	-3.98	2.63
2490	39.08	-4.08	2.73
2500	42.27	-3.74	2.4

Antenna pattern



Band	Channel	OTA (dBm) (1#)	
		TRP (dB)	TIS (dB)
2. 4G 802. 11B	1	15.7	-85.09
	7	16.7	-84.62
	13	16.23	-85
2. 4G 802. 11G	1	13.04	-71.52
	7	14.54	-71.24
	13	12.27	-71.02
2. 4G 802. 11N	1	13.31	-69.15
	7	13.79	-69.03
	13	13.8	-71.02

Band	Channel	OTA (dBm) (2#)	
		TRP (dB)	TIS (dB)
2. 4G 802. 11B	1	15.83	-85.85
	7	17.14	-84.39
	13	16.94	-85.35
2. 4G 802. 11G	1	13.28	
	7	13.87	
	13	12.14	-71.44
2. 4G 802. 11N	1	12.73	
	7	13.02	
	13	14.22	-71.04