

Antenna test report

Test Laboratory	Dongguan Yijia Electronic Co., LTD
Address	No. 59 Muyu Road, Shatou Community, Chang 'an Town, Dongguan City, Guangdong Province
Contact:	Mr. Gan 13823198410
Model	H5109

1. Test procedures

Name	Parameter	Method	Standard No.
Mobile communication antenna	VSWR	Generic specification for antennas used in the mobile communications	GB/T 9410-2008
	Antenna Gain		
	Radiation pattern		
Antenna	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

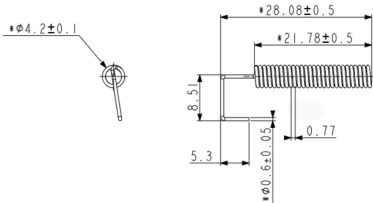
2. Test Equipment

Equipment	Model No.	Serial No.	Manufacture	Calibration Date	Next calibration Date
24 probe Microwave chamber	MPS2450 Multi-probe OTA measurement systems 5*5*5	YJ-PB-F01	XH-IOE	2023.09.01	2024.09.01
Network Analyzer	ZVB8	YJ-RD-15	ROHDE&SCHWARS	2023.08.25	2024.08.25
Wideband radio Communication tester	CMW500	YJ-RD-16	ROHDE&SCHWARS	2023.08.25	2024.08.25

3. DUT Setup Photo



4. Antenna Physical Size

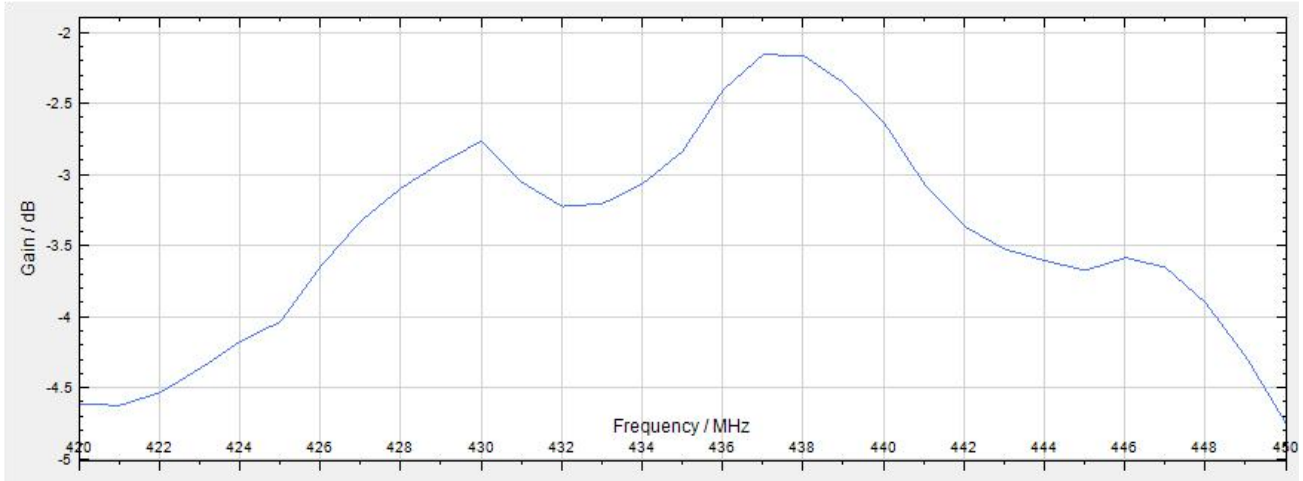


5. Antenna Type & Gain

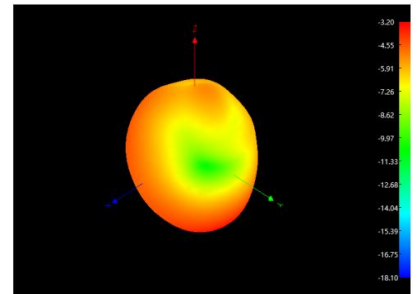
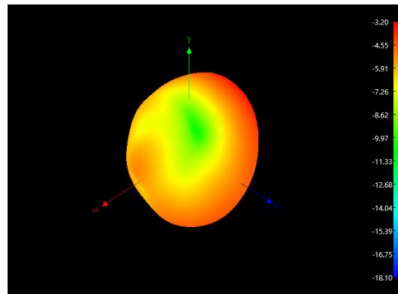
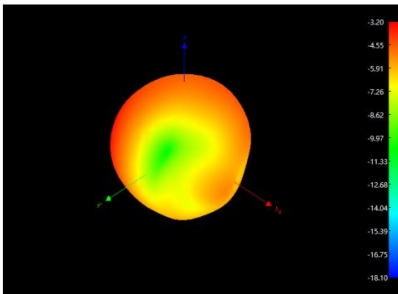
Type: Spring ANT

Frequency / MHz	Gain/ dB
420	-4.61
421	-4.62
422	-4.53
423	-4.36
424	-4.17
425	-4.03
426	-3.64
427	-3.32
428	-3.09
429	-2.91
430	-2.76
431	-3.05
432	-3.22
433	-3.2
434	-3.06
435	-2.83
436	-2.4
437	-2.15
438	-2.16
439	-2.35
440	-2.63
441	-3.06
442	-3.36
443	-3.52

444	-3.6
445	-3.67
446	-3.58
447	-3.65
448	-3.9
449	-4.28
450	-4.75



6. Antenna Pattern Picture



Tester by: Wu xianming

Wu Xianming