

Date: 2025-0710

Antenna Test Report of Xiaoxingyi G3 Project

Project version	Radio frequency director	Head of structure	frequency band
AIMB-V3	Li gong	Cengong	BT
Remarks:			

Our company has reviewed and met the requirements of applicable clauses of GB /T 19001-2016/ISO 9001: 2015 quality management system standards.

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1. Test environment

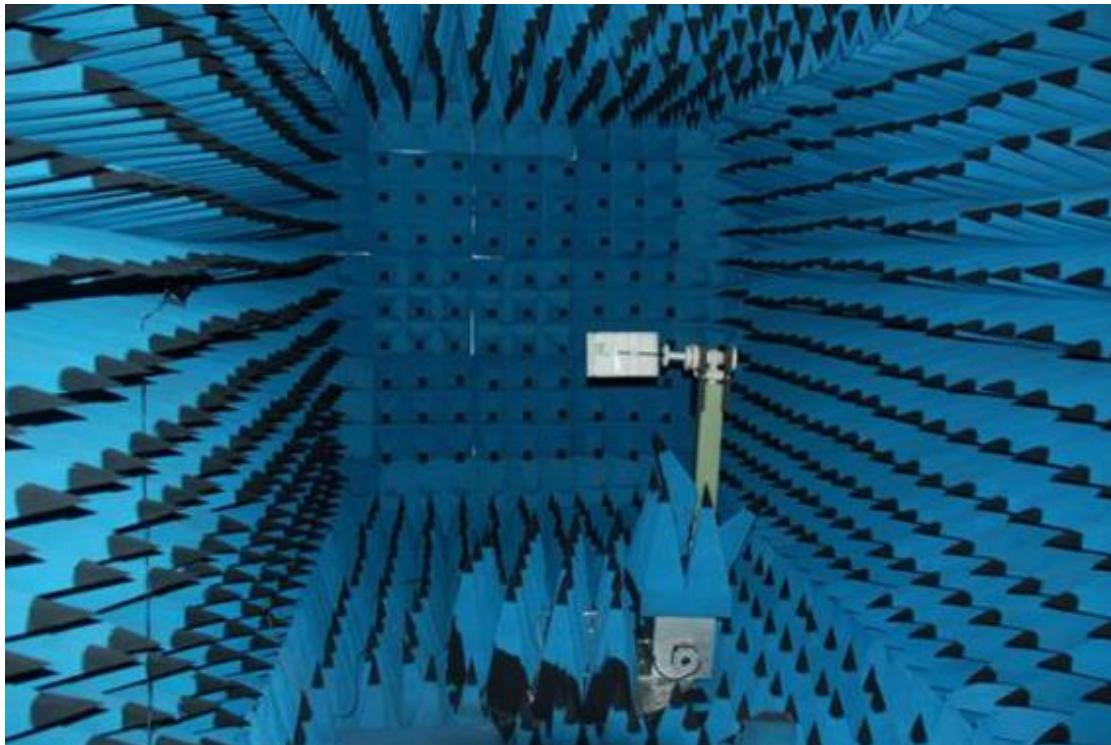
Test system: ETS 3D shielded darkroom

Test environment: temperature 22°C 3°C and humidity 50% 15%.

Test equipment: when testing passive data, use HP 8753E network analyzer.

When testing active data, use E5515C-8960 3G full-function comprehensive tester.

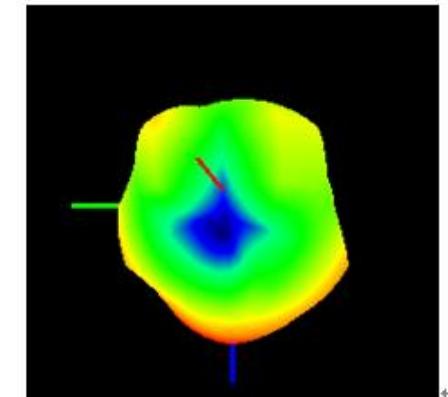
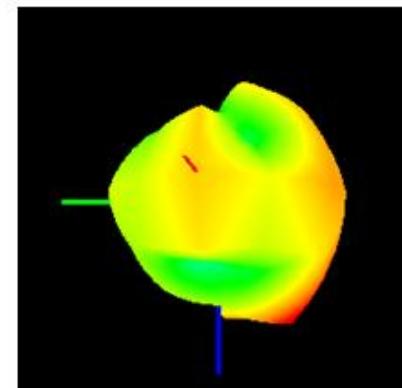
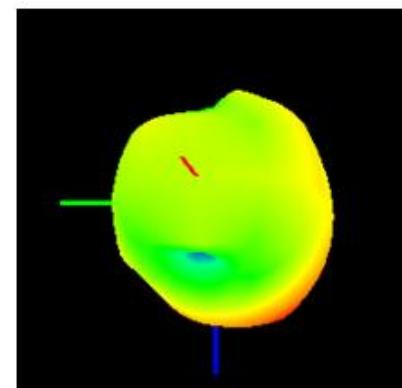
When testing active data, use 8820C 4G full-function comprehensive tester.



Antenna gain 2.4GHz

Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	32.31	-4.65	0.91	-1.34	15.415	18.89	0.81	-19.85	52.57	52.52
2410	32.16	-4.54	0.76	-1.39	14.929	20.234	0.76	-19.06	52.61	52.56
2420	32.13	-5.08	0.78	-1.85	12.193	18.832	0.3	-16.99	52.49	52.49
2430	33.49	-4.75	1.11	-1.04	12.234	21.258	1.11	-19.47	52.55	52.52
2440	33.25	-4.53	1.59	-0.56	12.305	22.941	1.59	-20.3	52.69	52.57
2450	33.57	-4.74	1.39	-0.76	11.846	21.727	1.39	-20.47	52.92	52.78
2460	33.51	-4.75	1.28	-0.87	12.482	21.039	1.28	-23.49	52.79	52.62
2470	30.11	-5.24	0.58	-1.57	11.921	18.024	0.58	-26.3	52.83	52.65
2480	34.69	-4.6	0.92	-1.23	14.699	19.988	0.92	-23.39	52.81	52.65
2490	35.98	-4.44	1.17	-0.98	15.883	20.098	1.17	-21.58	53	52.81

2.4GHz 苹果图



Antenna size

