

PSA

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钧捷-T2030 Antenna Test Report

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INPAQ Technology Co., Ltd.

Last updated in Dec.17th, 2025

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Revision History

Released Date	Version	Record
Dec.17 th ,2025	V0.0	首次调试



Requirements of Antenna Design and Measurement

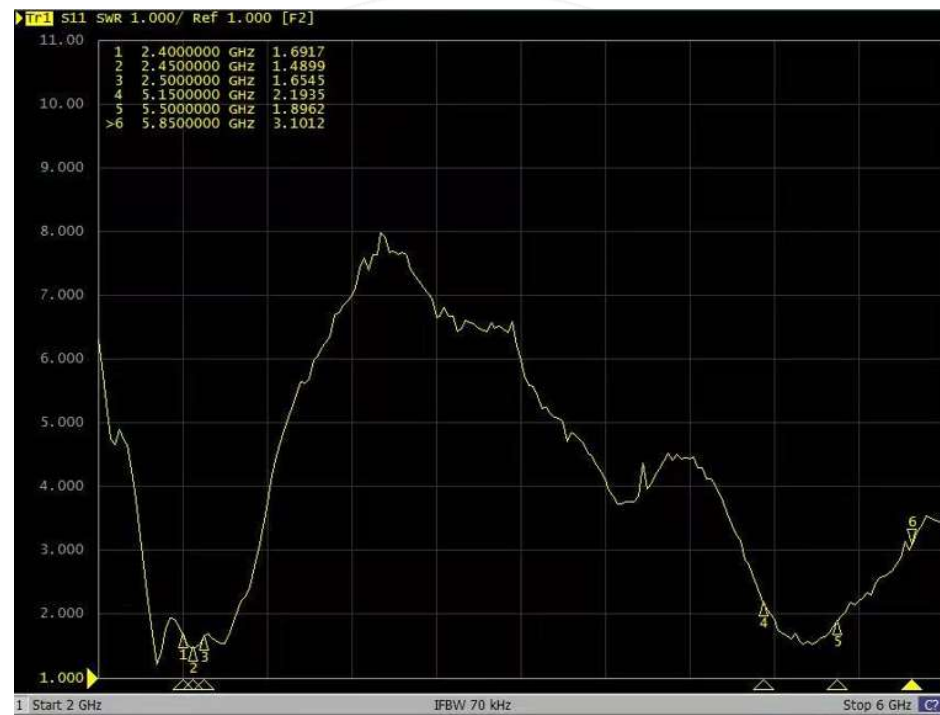
Requirements of Antenna Design

RF Function	Number of ANT	Frequency Band	Remark
BT	1	2400-2500MHz	

Requirements of Measurement

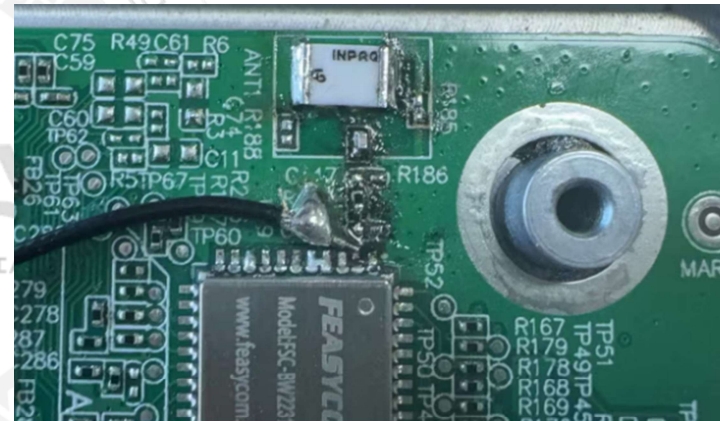
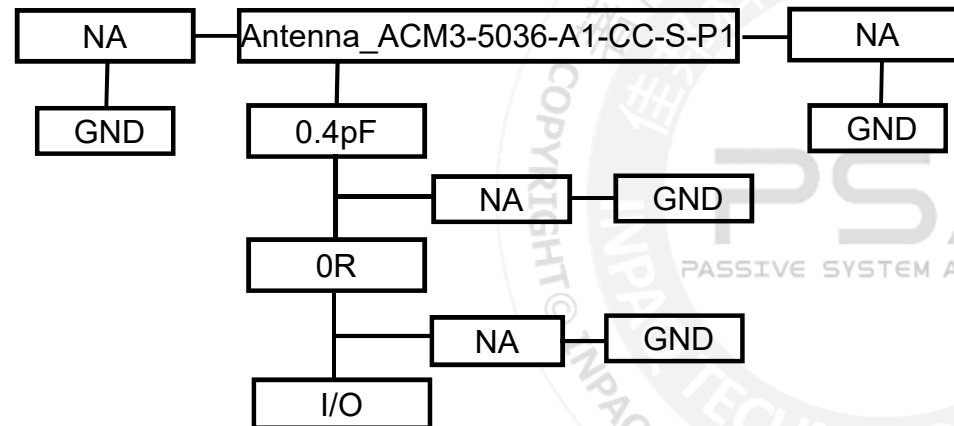
Test Item	Specification	Remark
VSWR	N/A	
Peak gain	N/A	
Efficiency	N/A	

VSWR



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Antenna Matching Network



Test Setup for Radiation Pattern Measurement

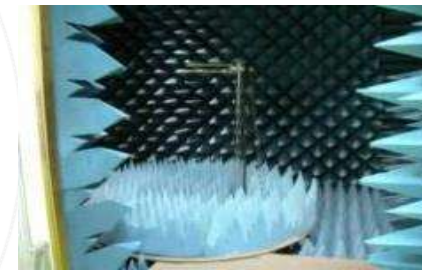
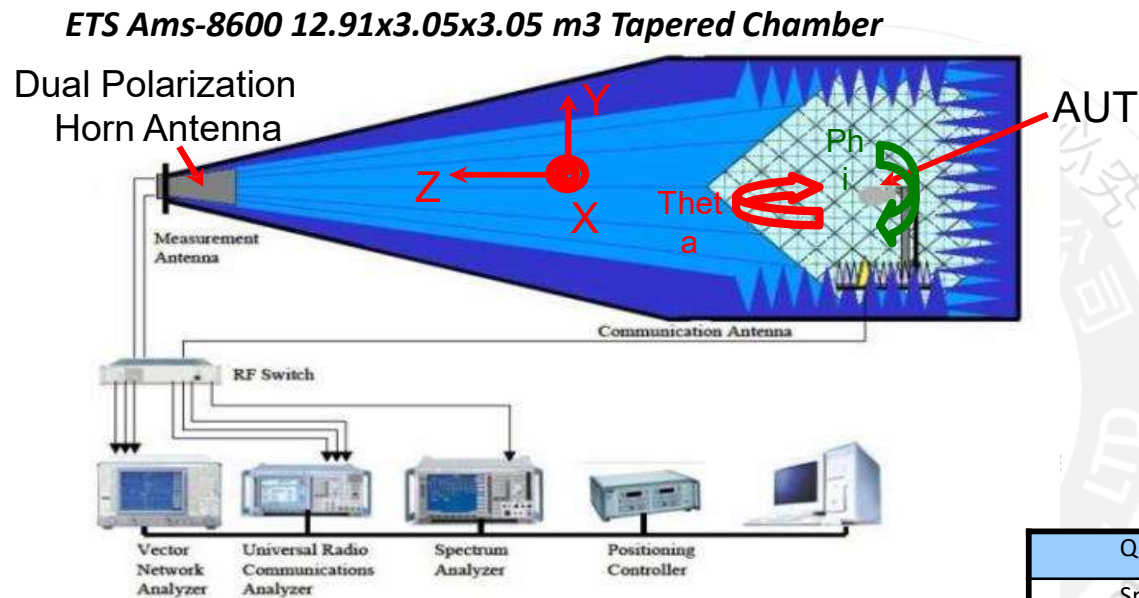
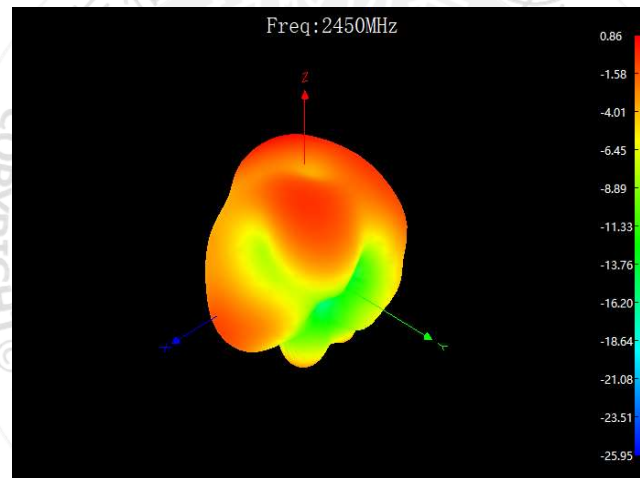


Figure 1: System diagram for test system including compact-size tapered anechoic chamber and optional test instrumentation

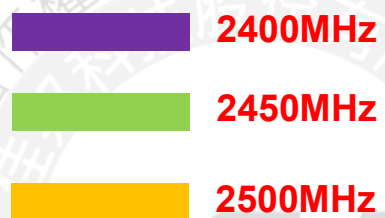
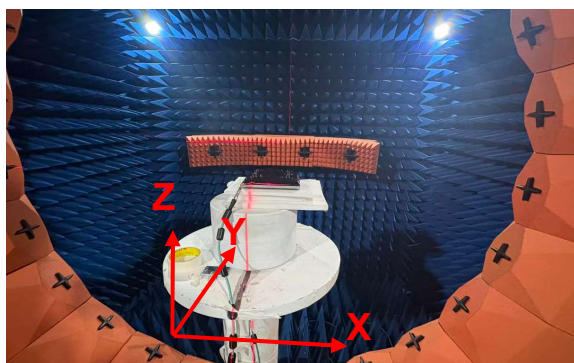
QUIPMENT	BRAND	MODULE TYPE
Spectrum	Agilent	E4402B
Signal Generator	Agilent	8960
Switch	Agilent	3499A
Switch	ETS	2090
Network Analyzer	Agilent	N5230A

3D Radiation pattern Results (2.4G)

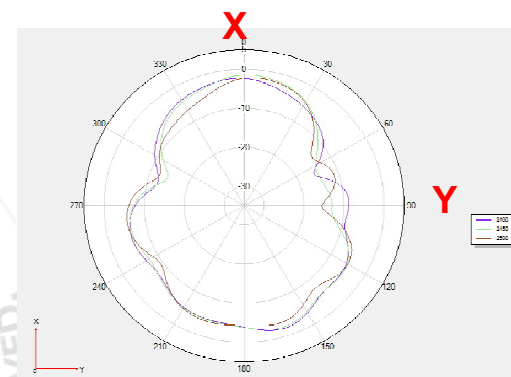


2450MHz

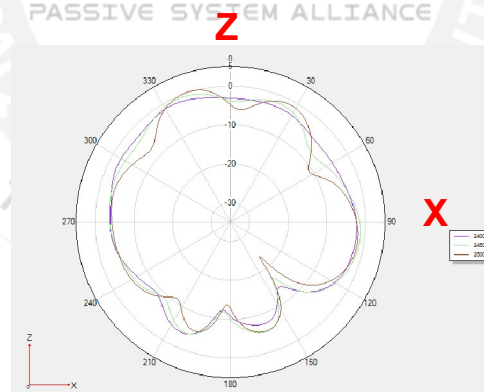
2D Radiation pattern Results (2.4G)



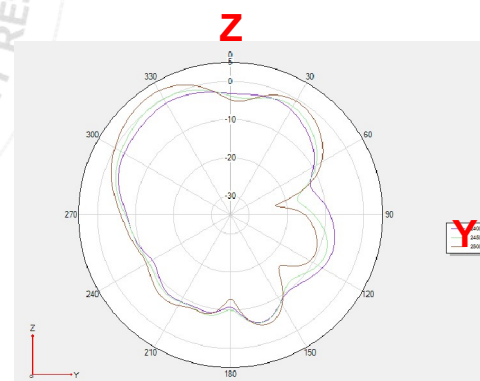
XY-H-plane



XZ-E1-plane



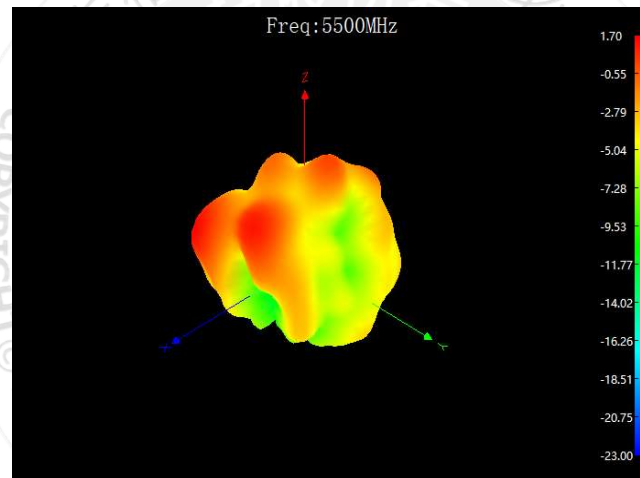
YZ-E2-plane



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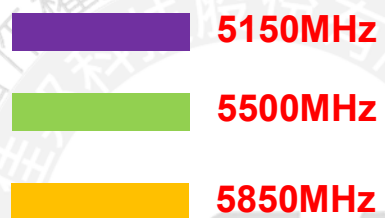
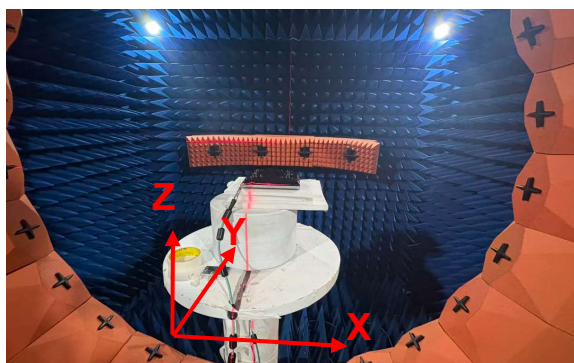
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3D Radiation pattern Results (5G)

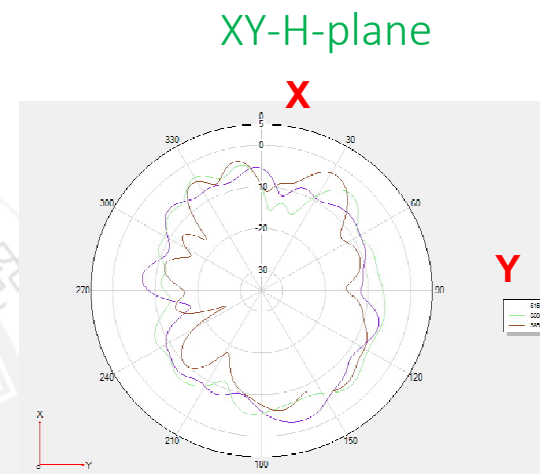
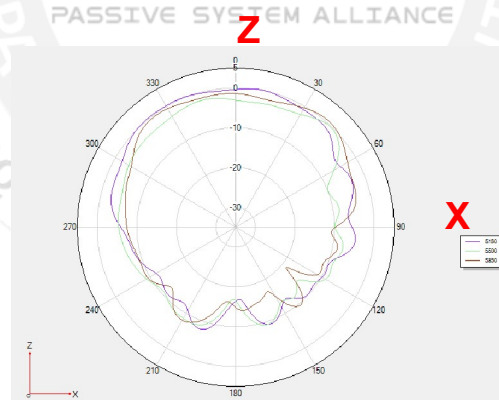


5500MHz

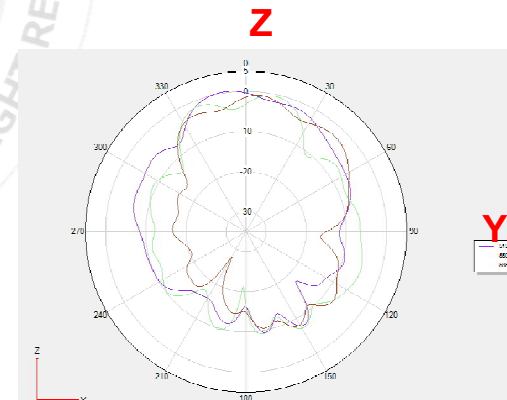
2D Radiation pattern Results (5G)



YZ-E2-plane



XY-H-plane



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Results Summary–Peak Gain & Efficiency

Frequency (MHz)	2.4G		
	Efficiency (dB)	Efficiency (%)	Peak Gain (dBi)
2400	-4.73	33.62	0.06
2410	-4.77	33.36	0.35
2420	-4.57	34.89	0.53
2430	-4.66	34.2	0.72
2440	-4.62	34.51	0.7
2450	-4.32	36.98	0.86
2460	-4.48	35.65	1.26
2470	-4.08	39.08	1.74
2480	-4.12	38.73	2
2490	-3.71	42.56	2.44
2500	-4.02	39.63	2.79

Thank you

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