

2.4G-2.48G Frequency band metal wire antenna test report

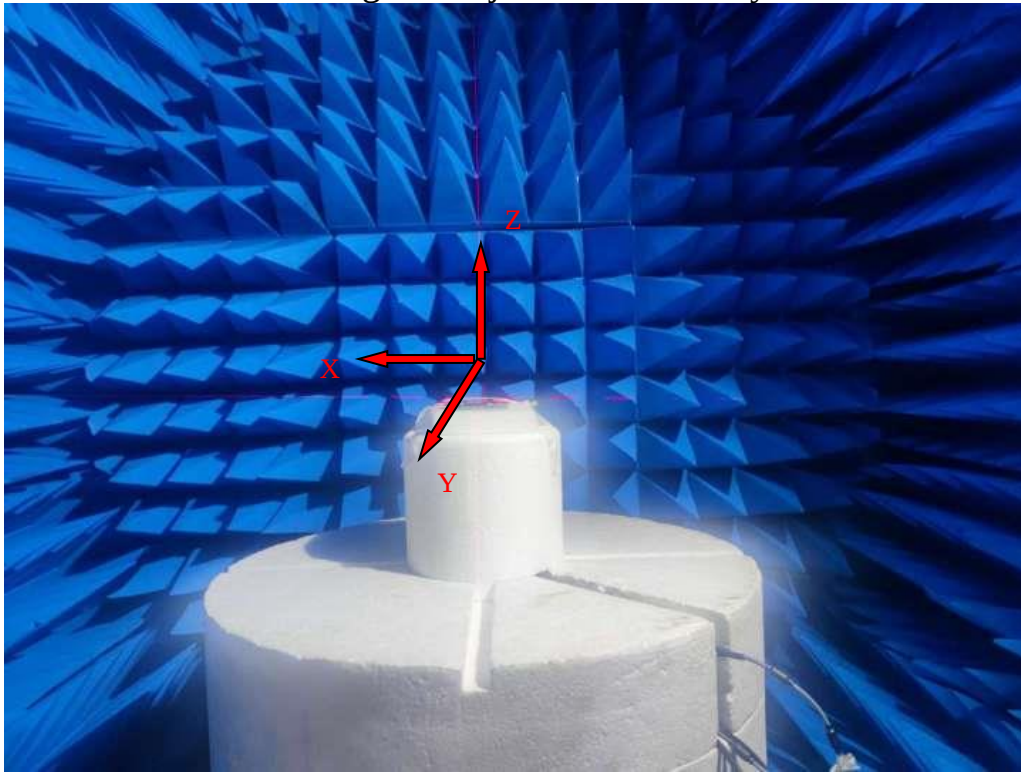
Specification	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	-7.933
Average Gain (dBi)	>-19.088
VSWR	<3
Impedance (Ω)	50 Ω
Antenna Type	Metal Wire Antenna
Polarization	Linear

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Test environment: Zhongke Guoji darkroom test system.



Antenna physical and physical dimensions

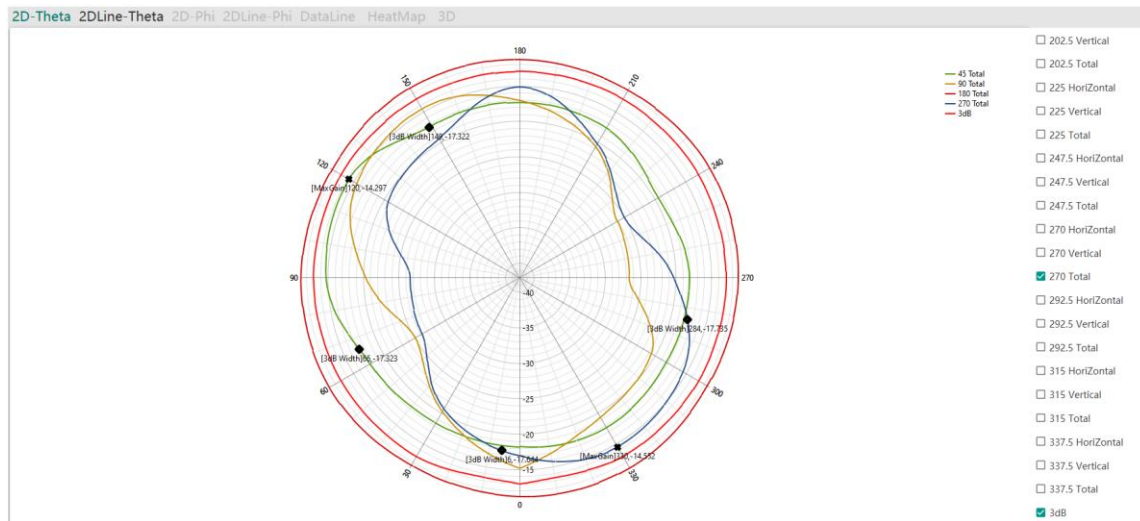
length: 23mm	external diameter: 0.6mm
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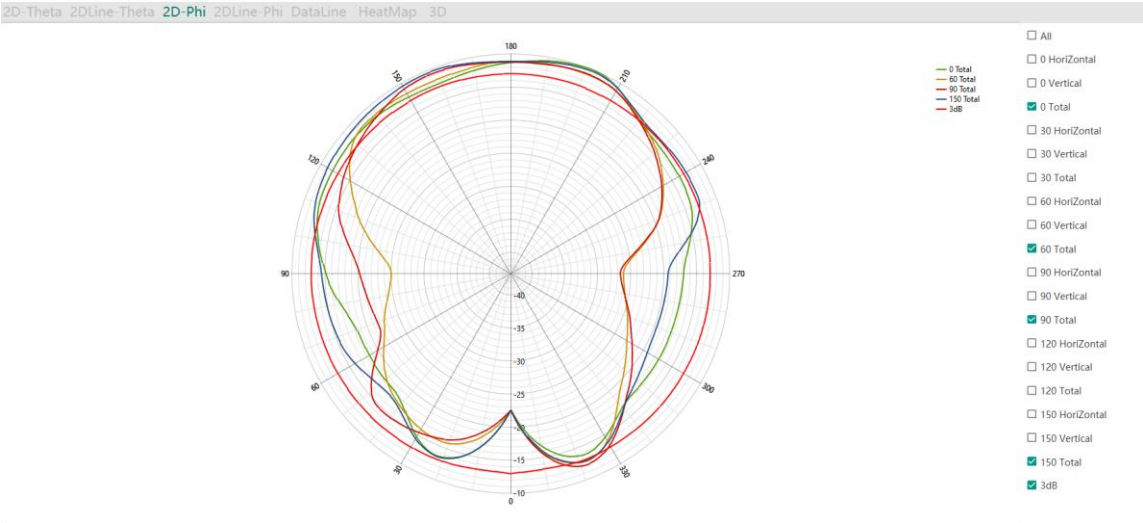
Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Effciency (%)	AverageGain (dBi)	Efficiency (dB)
2400	-9.215	3.43%	-18.985	-14.642
2410	-9.201	3.41%	-19.088	-14.679
2420	-9.253	3.55%	-18.605	-14.502
2430	-9.917	3.25%	-18.7	-14.887
2440	-9.995	3.17%	-18.547	-14.983
2450	-9.037	3.98%	-16.996	-14.007
2460	-8.676	3.99%	-16.76	-13.991
2470	-8.289	4.29%	-16.023	-13.676
2480	-7.933	4.52%	-15.599	-13.445
Average	-9.215	3.43%	-18.985	-14.642
Peak	-7.933	4.52%	-15.599	-13.445

Antenna 2440MHz 2D-Theta Pattern



Antenna2440MHz 2D-Phi Pattern



2440MHz 3D-Total Pattern

