

The Antenna Test Report

Y-YB-CR-115

V001

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Antenna Coding: ANT-2.4G-16

Antenna Type: PCB onboard Antenna

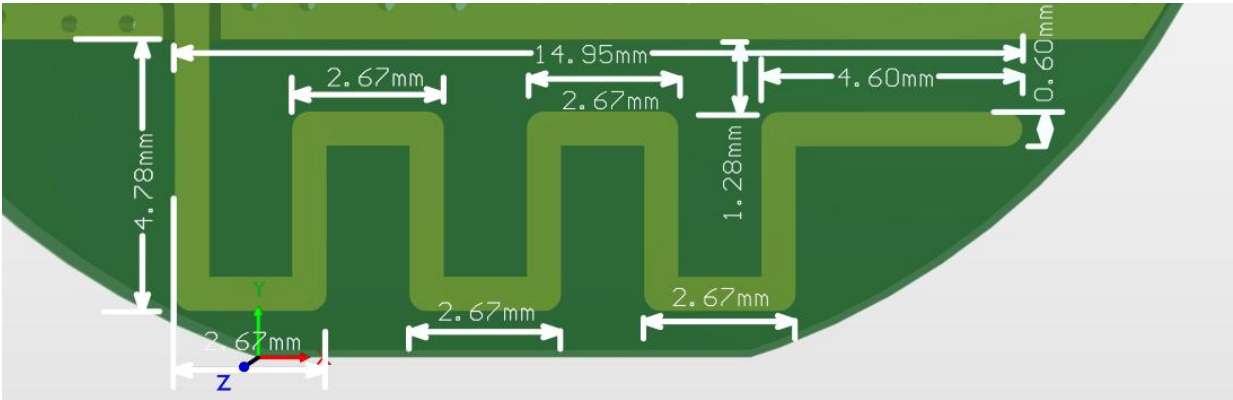
Model of the DUT: QS-WPS

Antenna Manufacturer: Georama, Inc. DBA QualSights

1、Technical Specification

Electrical Specifications	
Frequency Range (MHz)	2402-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	-4.15
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	14.95*4.78
Radiator	Cuprum

2、The shape and size of the antenna



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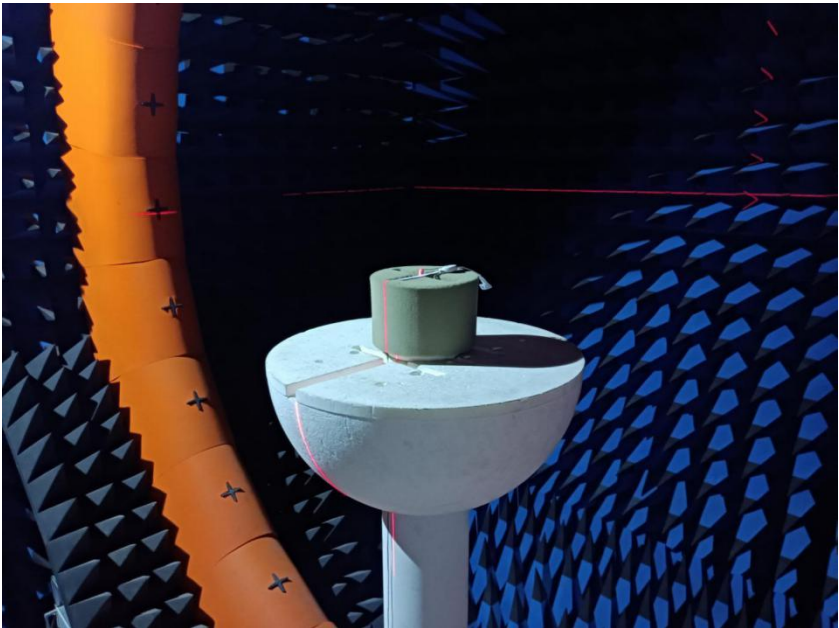
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3、 The result of the test

3.1 Test Environment



3.2 Gain and Efficiency

Frequency	Efficiency	Gain (dBi)	PeakGain (dBi)
2402000000	8.11%	-4.15	-4.15
2404000000	7.89%	-4.21	
2406000000	7.64%	-4.16	
2408000000	7.49%	-4.19	
2410000000	7.45%	-4.37	
2412000000	7.46%	-4.45	
2414000000	7.38%	-4.41	
2416000000	7.24%	-4.35	
2418000000	7.12%	-4.42	
2420000000	7.05%	-4.56	
2422000000	6.98%	-4.68	
2424000000	6.84%	-4.72	
2426000000	6.68%	-4.76	
2428000000	6.62%	-4.87	
2430000000	6.65%	-4.97	
2432000000	6.60%	-5.03	
2434000000	6.46%	-5.06	
2436000000	6.30%	-5.18	
2438000000	6.21%	-5.38	
2440000000	6.16%	-5.53	
2442000000	6.06%	-5.48	
2444000000	5.90%	-5.43	
2446000000	5.78%	-5.47	
2448000000	5.77%	-5.55	
2450000000	5.80%	-5.54	
2452000000	5.80%	-5.48	
2454000000	5.73%	-5.51	
2456000000	5.70%	-5.61	
2458000000	5.74%	-5.67	
2460000000	5.78%	-5.62	
2462000000	5.76%	-5.64	
2464000000	5.70%	-5.76	
2466000000	5.71%	-5.94	
2468000000	5.79%	-6.04	
2470000000	5.84%	-6.05	
2472000000	5.77%	-6.09	
2474000000	5.67%	-6.22	
2476000000	5.65%	-6.38	
2478000000	5.68%	-6.43	
2480000000	5.66%	-6.43	

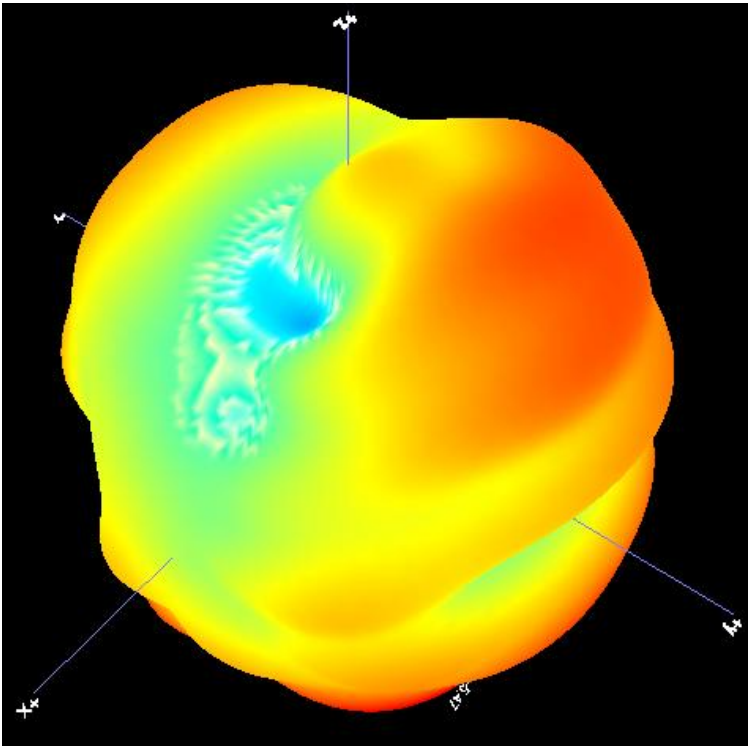
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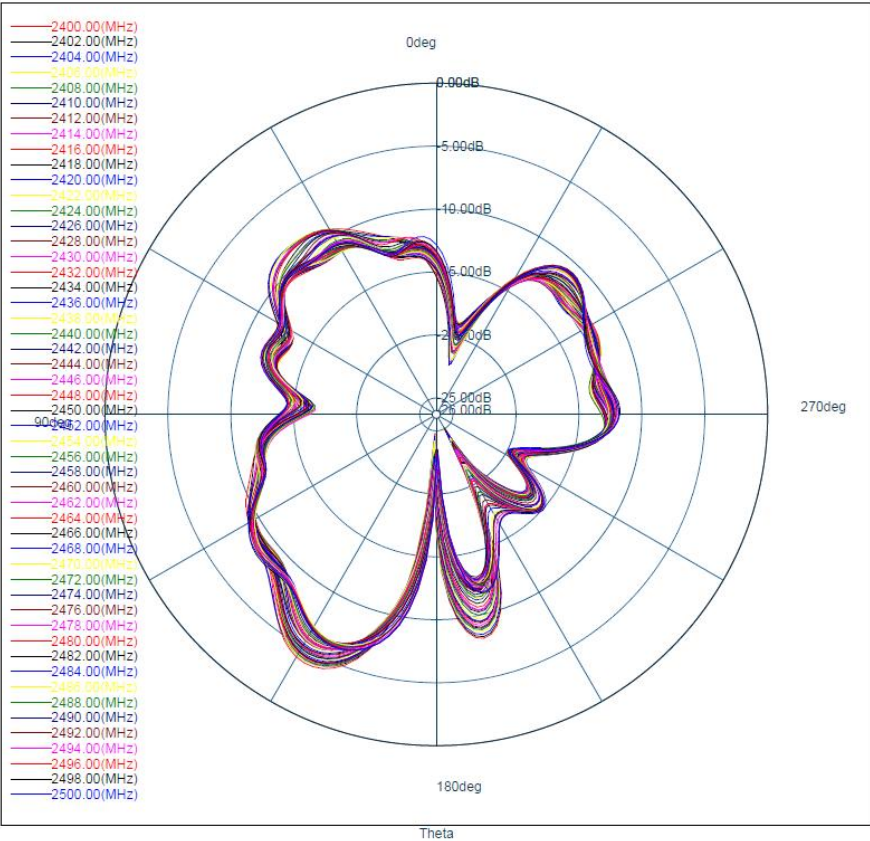
3.3 3D Polar Plot



2440MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



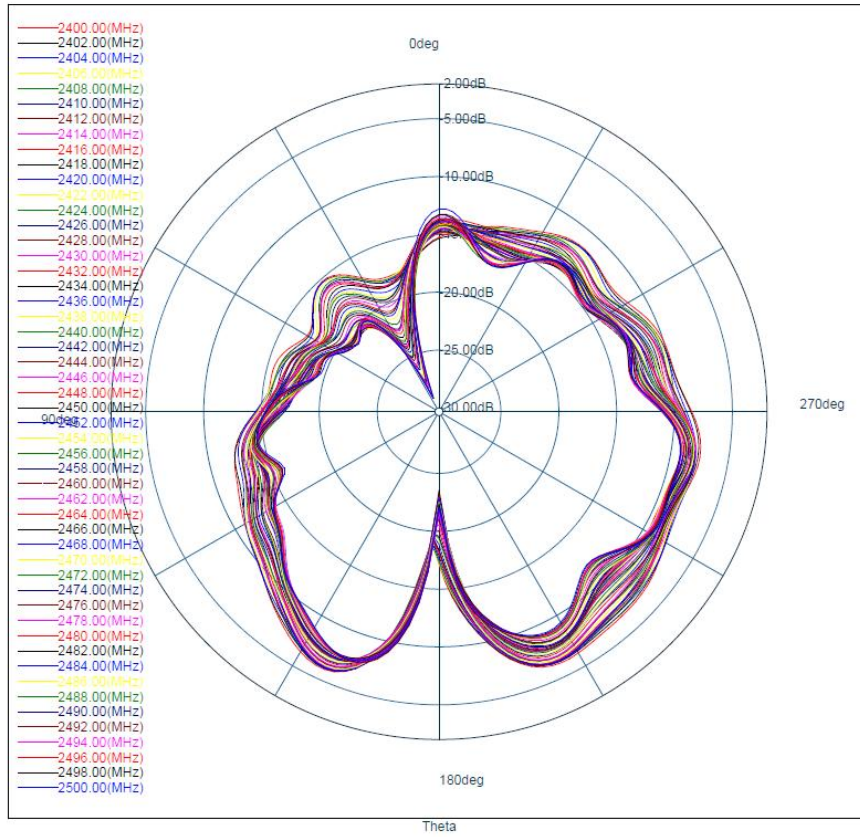
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(2) E2, YZ Plane, $\phi=90^\circ$



(3) H, XY plane, $\theta=90^\circ$

