

The Antenna Test Report

Y-YB-CR-115

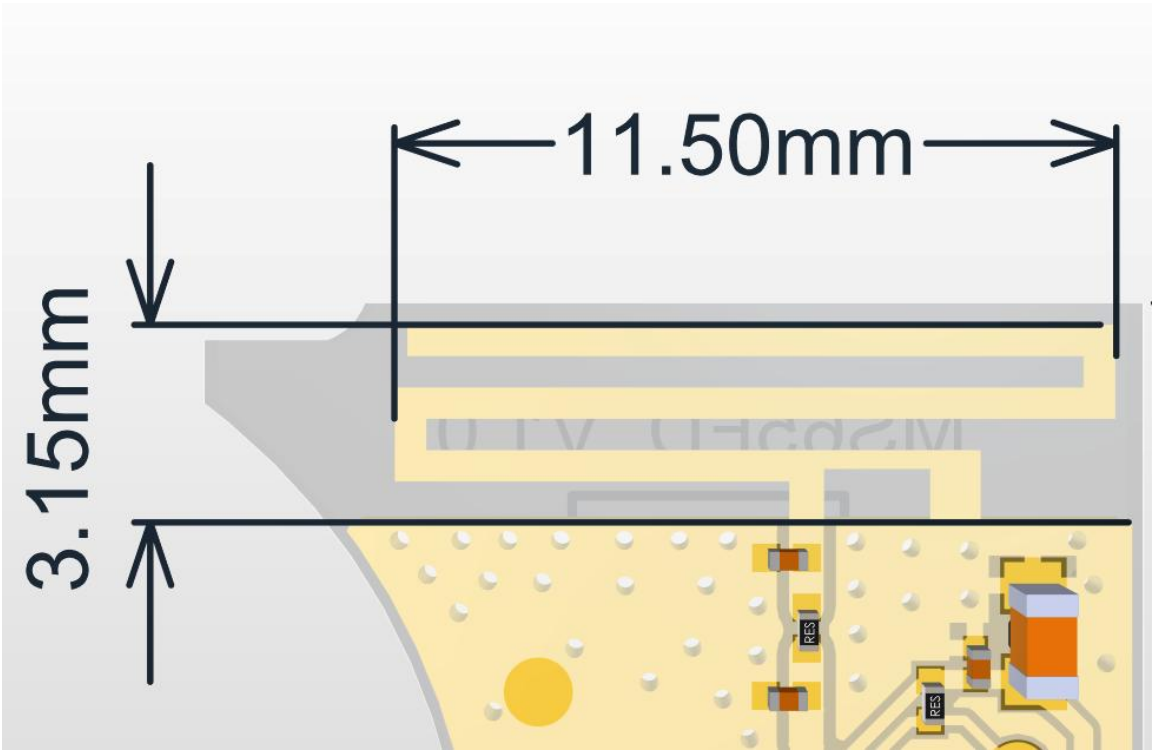
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Antenna Coding: ANT-BBNCNC22025
Antenna Type: PCB onboard Antenna
Model of the DUT: QS-DPS
Antenna Manufacturer: Georama, Inc. DBA QualSights
1、Technical Specification

Electrical Specifications	
Frequency Range (MHz)	2400-2480
Input Impedance (Ω)	50
Return Loss (dB)	<-10
VSWR	<2
Peak Gain (dBi)	-1.14
Polarization Type	Linear polarization
Mechanical Specifications	
Antenna Size (mm)	11.5*3.15
Radiator	Cuprum

2、The shape and size of the antenna



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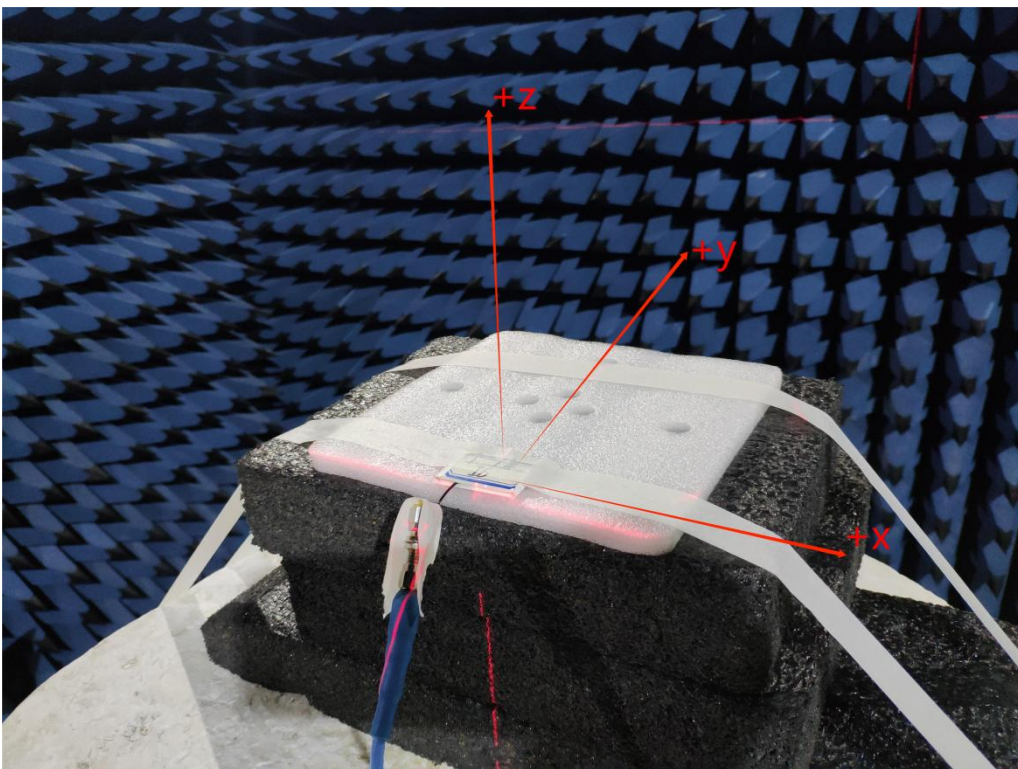
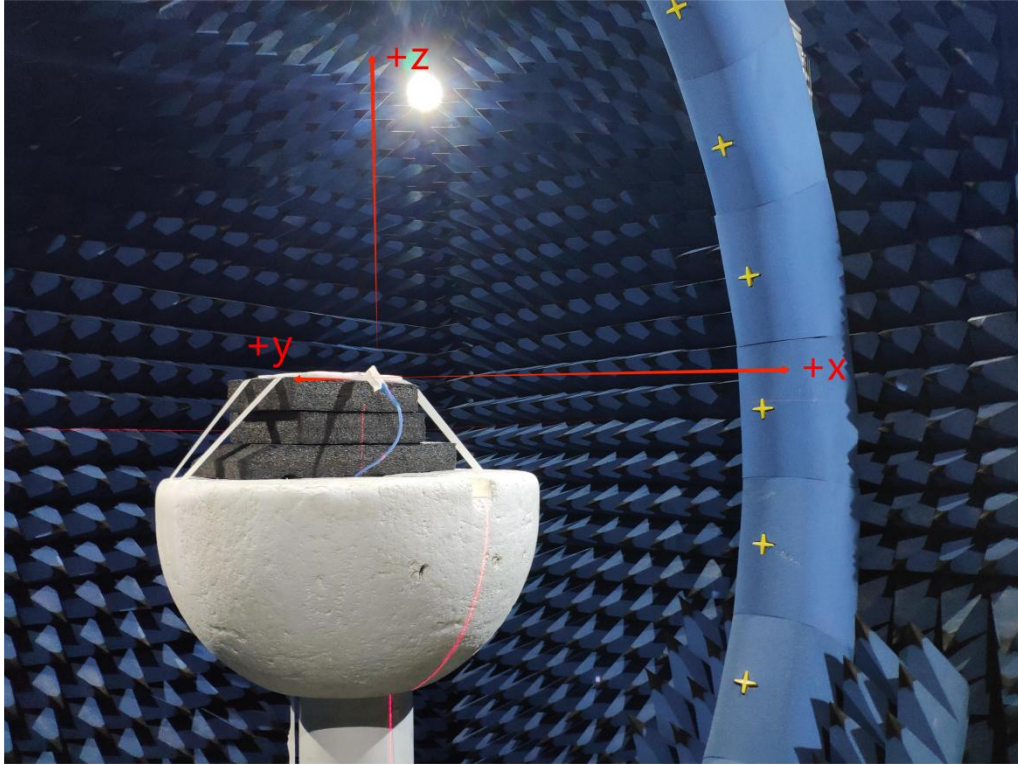
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3、 The result of the test

3.1 Test Environment



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3.2 Gain and Efficiency

Frequency	Gain (dBi)	Efficiency(%)	PeakGain (dBi)
2400MHz	-1.14	21%	-1.14
2402MHz	-1.25	21%	
2404MHz	-1.36	20%	
2406MHz	-1.52	20%	
2408MHz	-1.63	20%	
2410MHz	-1.76	19%	
2412MHz	-1.92	19%	
2414MHz	-2.07	18%	
2416MHz	-2.17	18%	
2418MHz	-2.30	18%	
2420MHz	-2.46	17%	
2422MHz	-2.58	17%	
2424MHz	-2.67	16%	
2426MHz	-2.66	16%	
2428MHz	-2.77	15%	
2430MHz	-2.86	15%	
2432MHz	-2.94	15%	
2434MHz	-3.03	14%	
2436MHz	-3.18	14%	
2438MHz	-3.26	14%	
2440MHz	-3.33	14%	
2442MHz	-3.38	14%	
2444MHz	-3.43	14%	
2446MHz	-3.41	14%	
2448MHz	-3.46	14%	
2450MHz	-3.50	13%	
2452MHz	-3.55	13%	
2454MHz	-3.62	13%	
2456MHz	-3.72	13%	
2458MHz	-3.79	13%	
2460MHz	-3.86	12%	
2462MHz	-3.94	12%	
2464MHz	-4.00	12%	
2466MHz	-4.16	12%	
2468MHz	-4.22	12%	
2470MHz	-4.30	12%	
2472MHz	-4.39	11%	
2474MHz	-4.46	11%	
2476MHz	-4.47	11%	
2478MHz	-4.55	11%	
2480MHz	-4.63	11%	

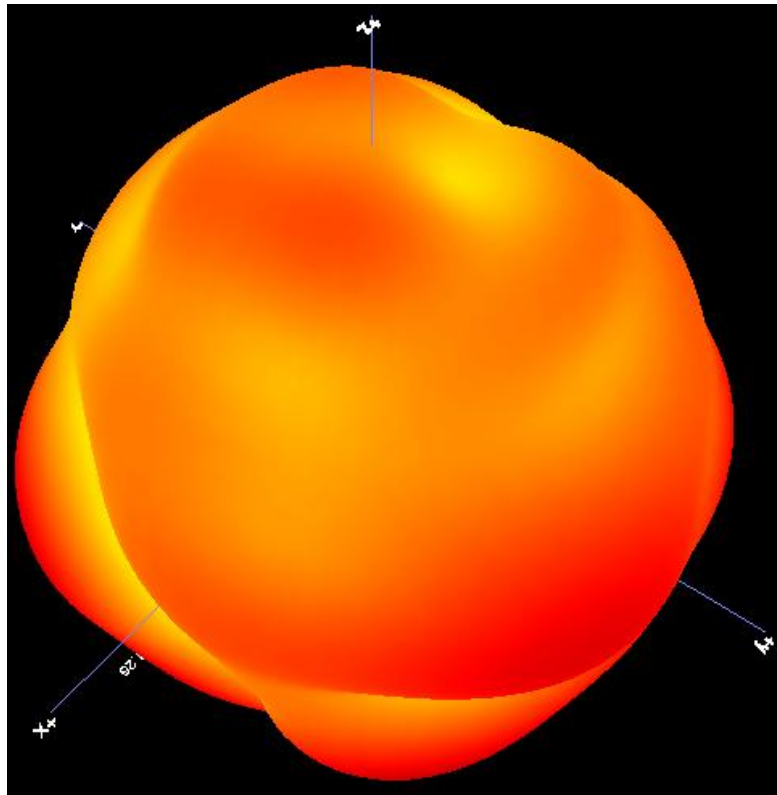
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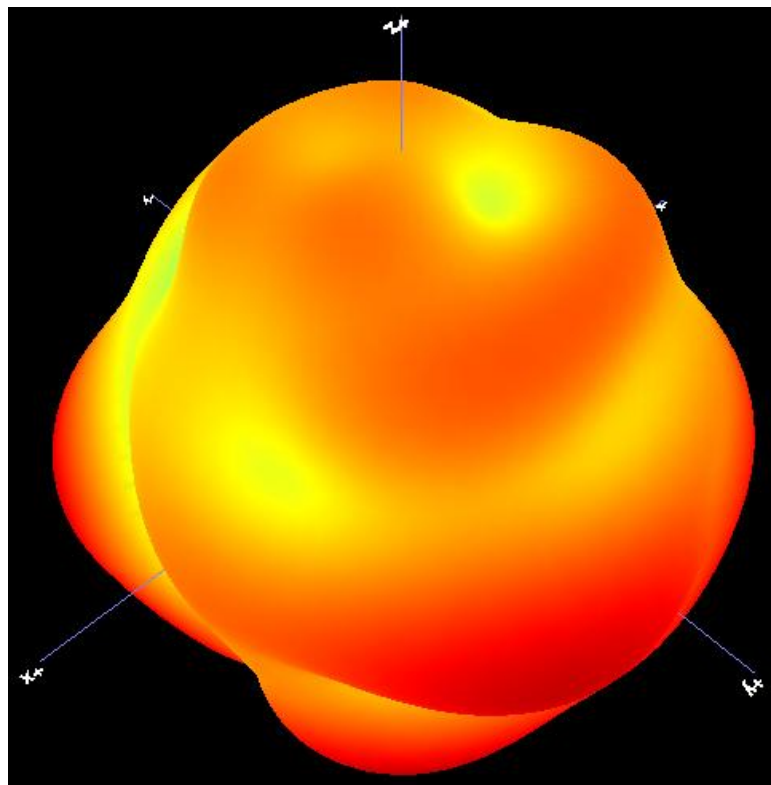
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3.3 3D Polar Plot



2402MHz



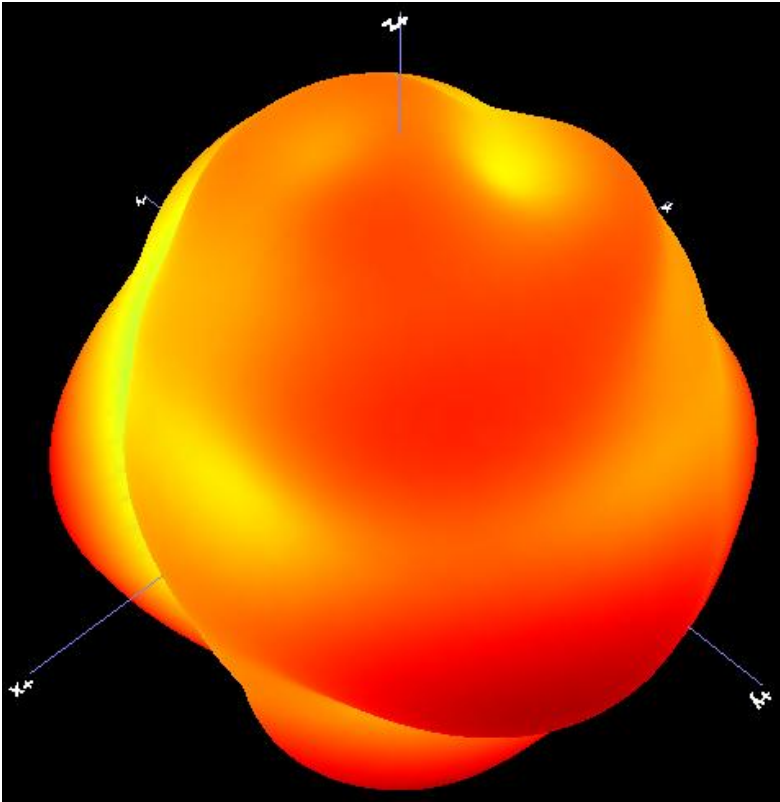
2440MHz

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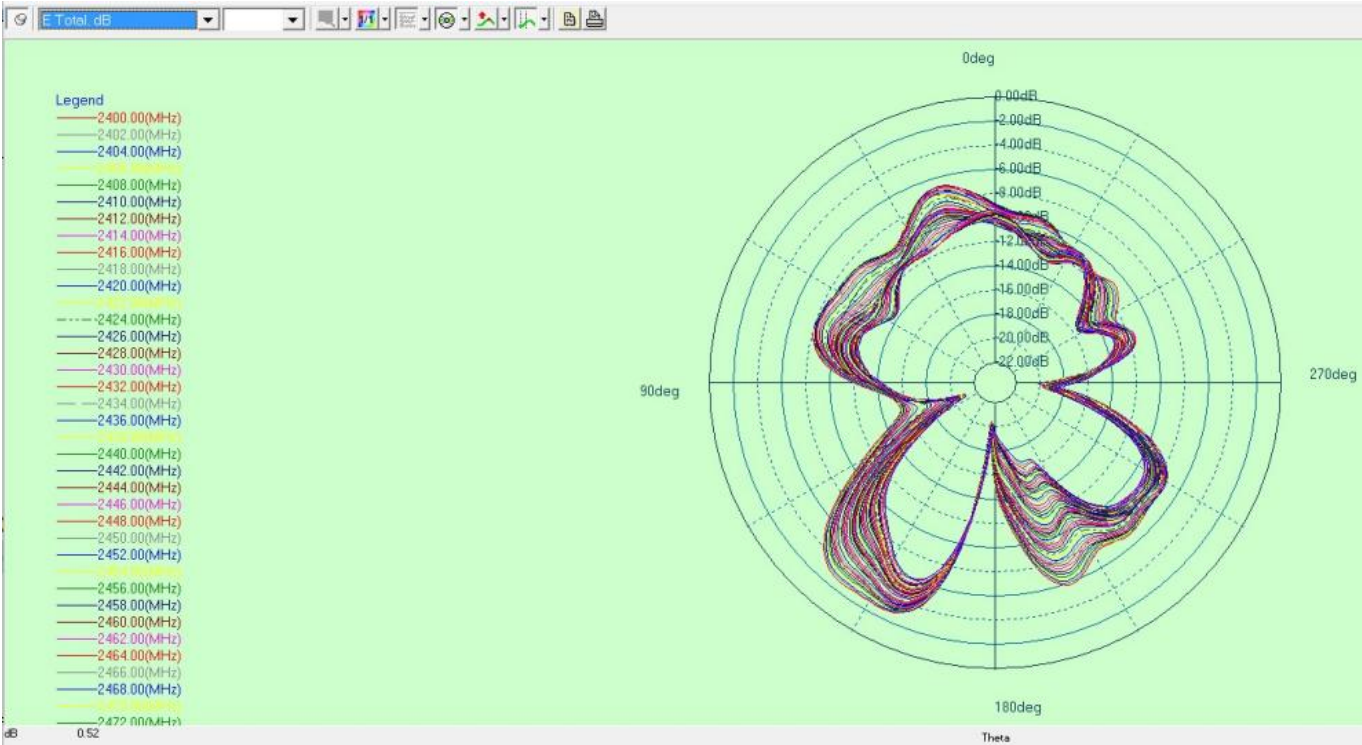
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2480MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



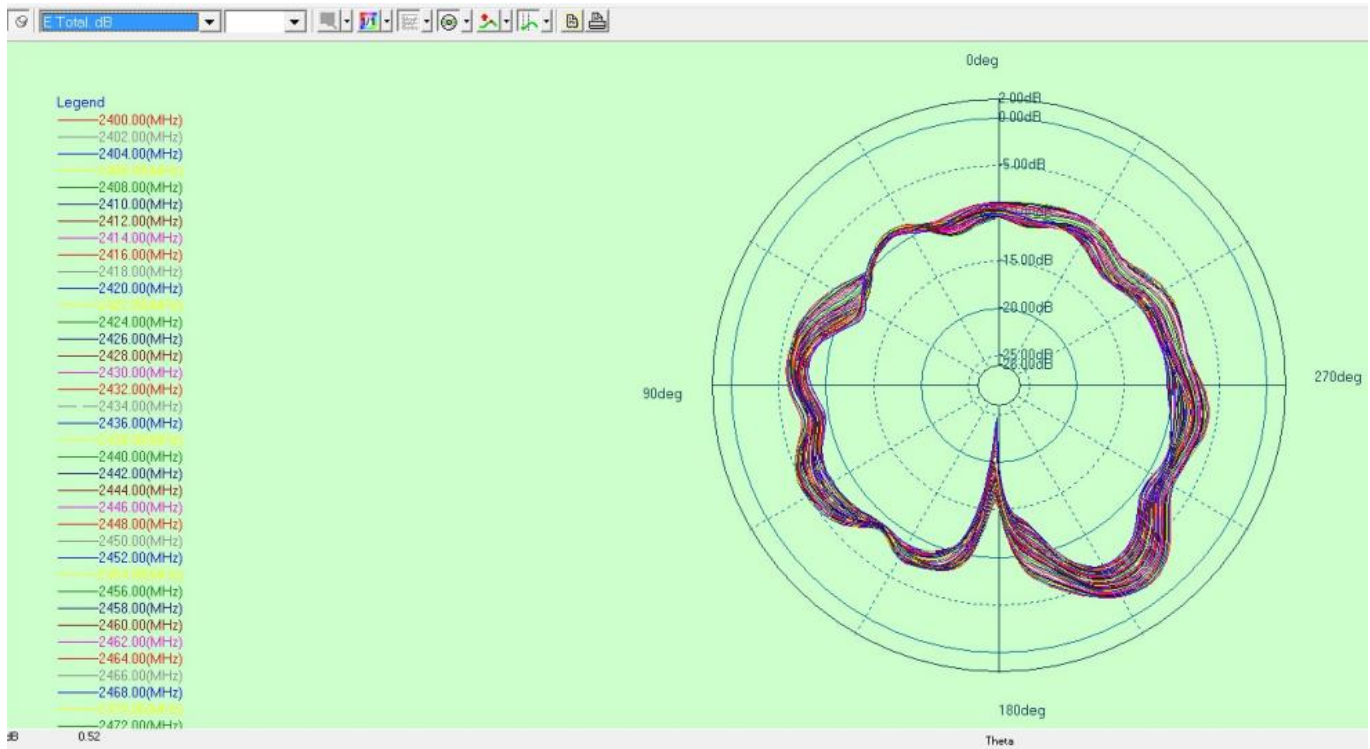
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(2) E2, YZ Plane, $\phi=90^\circ$



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

