

Antenna Coding: ANT-2.4G-16

Antenna Type: PCB onboard Antenna

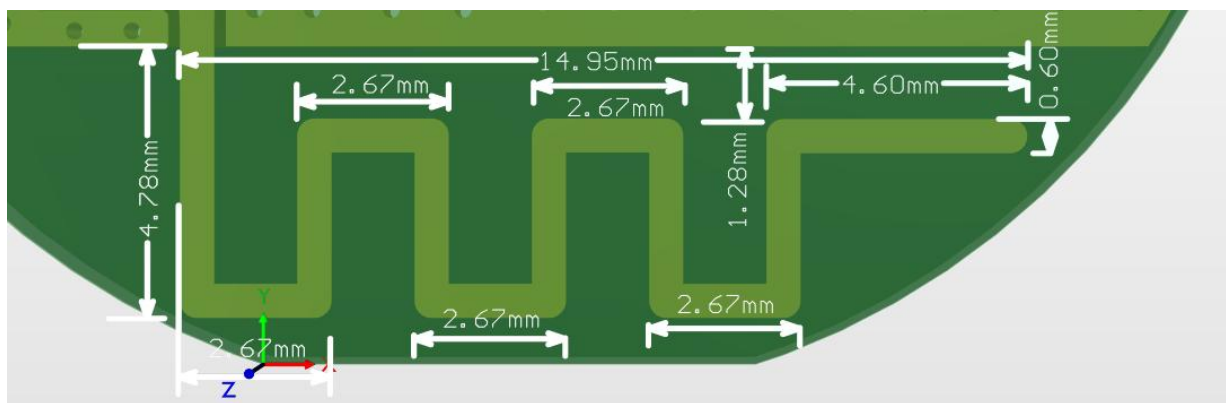
Model of the DUT: QS-WPS

Antenna Manufacturer: Shenzhen Minew Technologies Co., Ltd.

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



3、 The result of the test

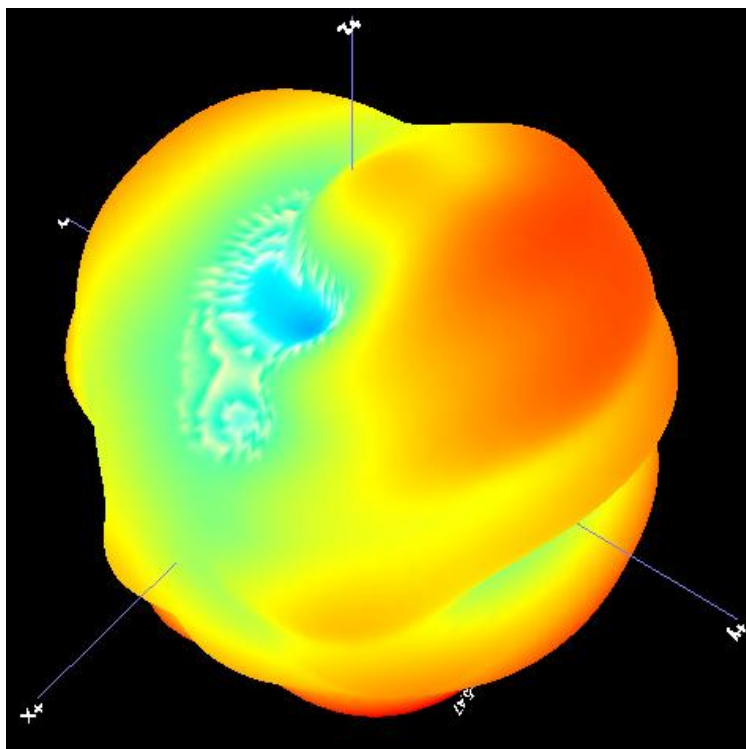
3.1 Test Environment



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	

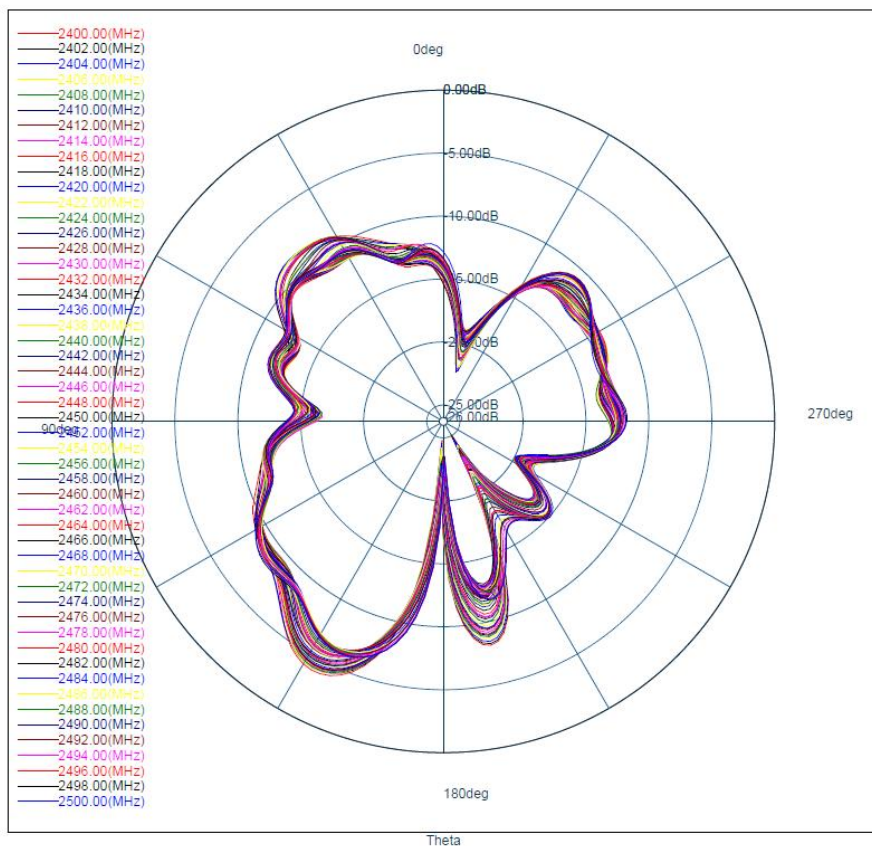
3.3 3D Polar Plot



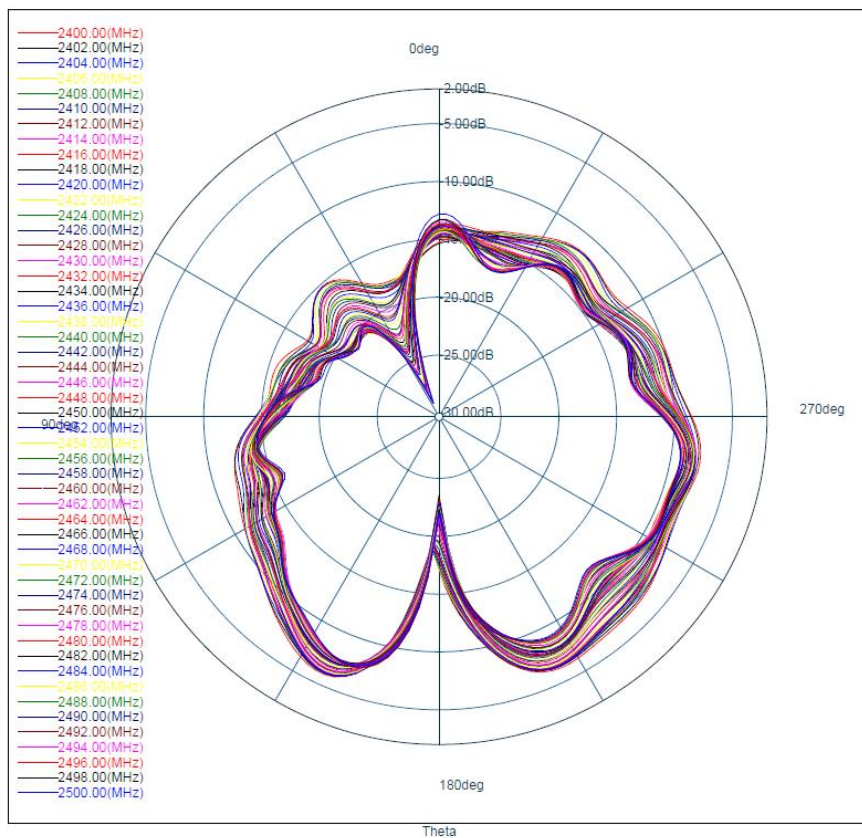
2440MHz

3.4 2D Radiation Pattern

(1) E1, XZ Plane, phi=0



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



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

