

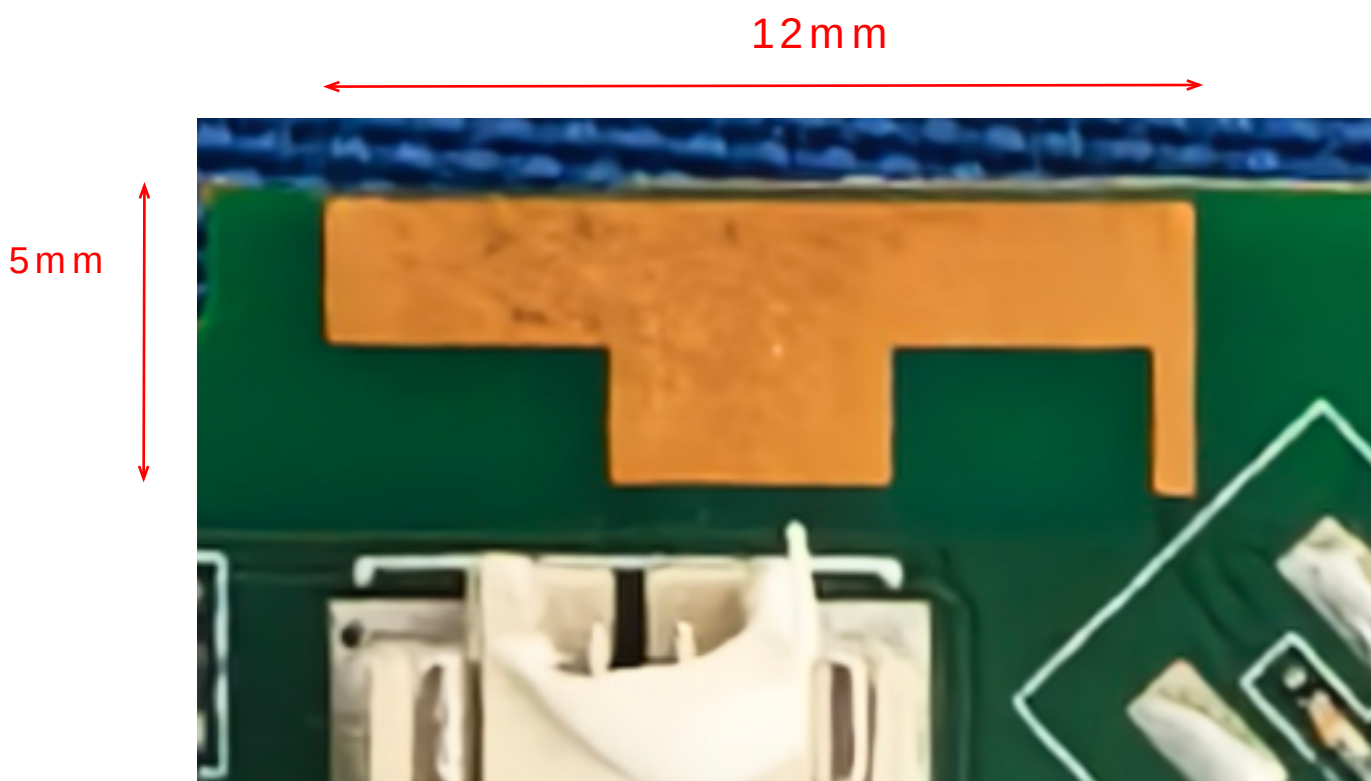
1 Specification

Test Condition: Assembled in test device

1.1. Electrical

Electrical	
Frequency Range	2400–2500 MHz, 5150–5850 MHz
Impedance	50 Ω
Polarization	Linear
Radiation Pattern	Omni-directional
VSWR	≤ 2.5
Peak Gain	2.2dBi

2 Drawing

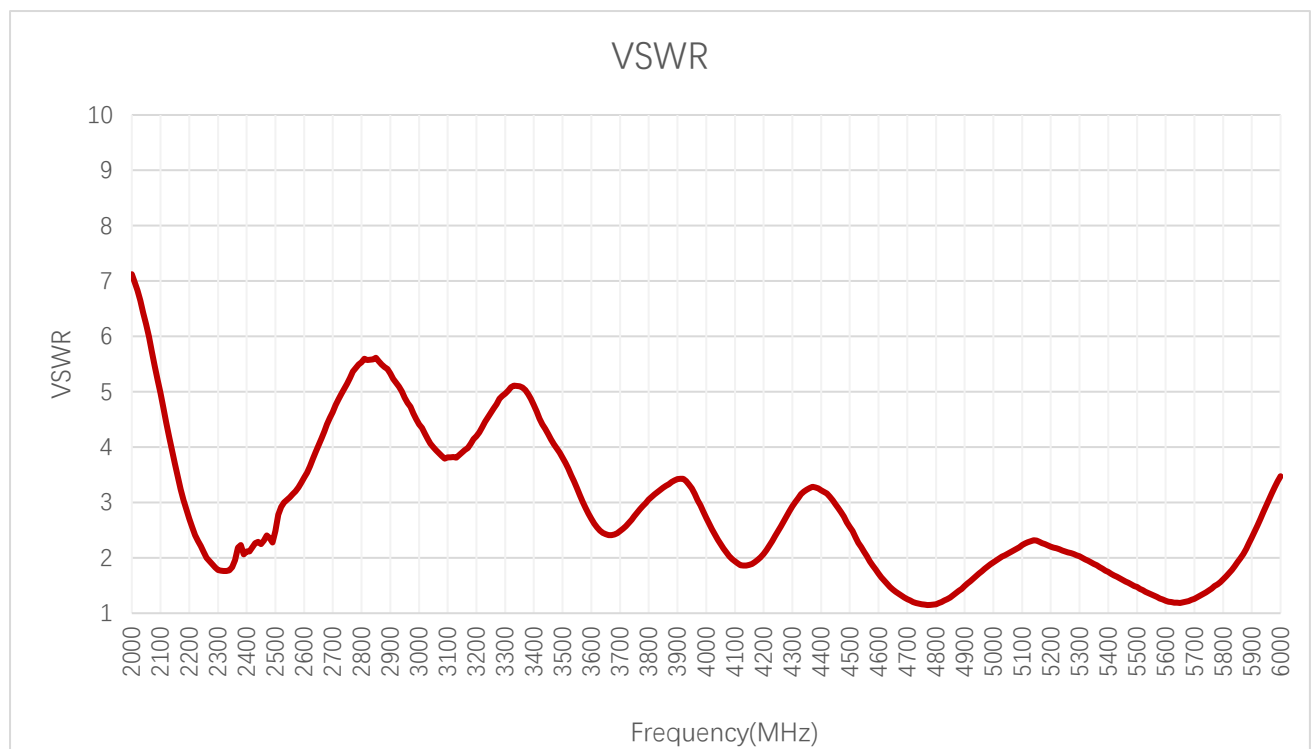


3 Detailed Performance

- Manufacturer: Quectel Wireless Solutions (Changzhou) Co., Ltd.
Address: No.8 Nanhu West Road, Wujin District, Changzhou City, Jiangsu Province, China

3.1. S-Parameter Test

3.1.1. VSWR

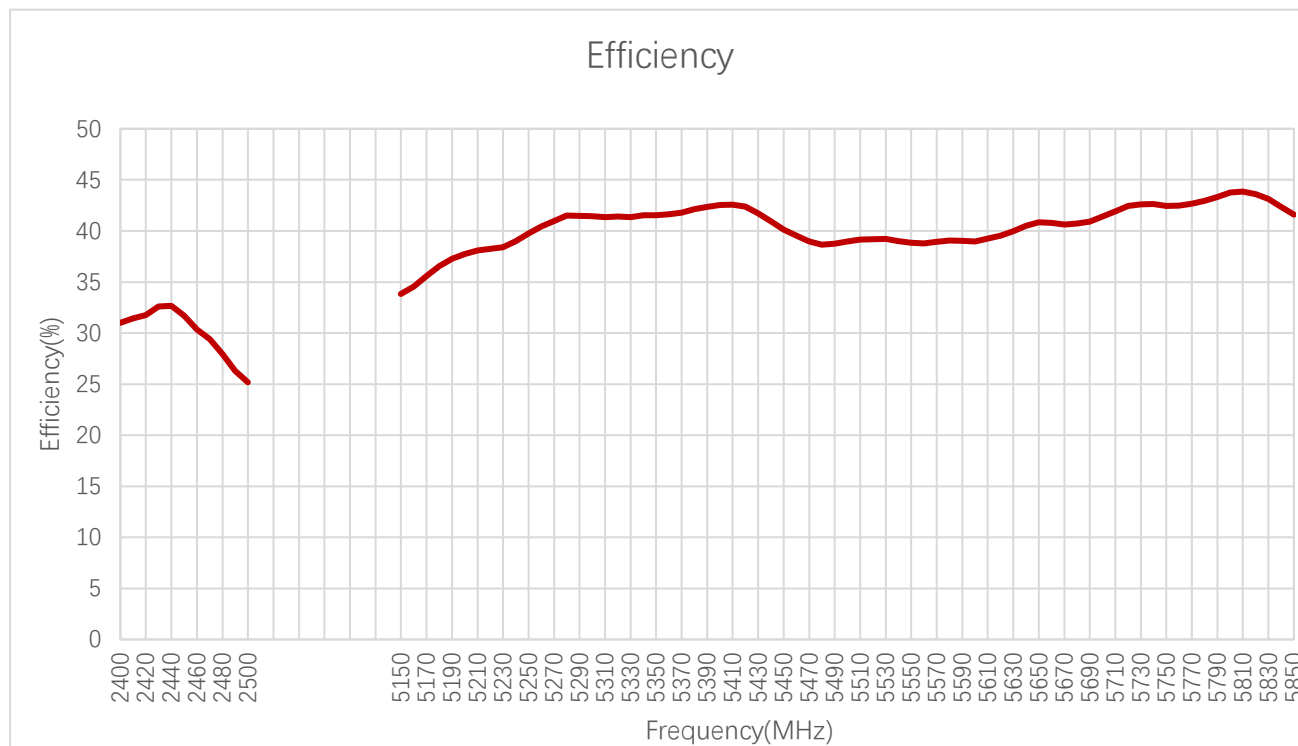


VSWR

Frequency (MHz)	2400	2450	2500	5150	5500	5850	5925	6325	6725	7125
VSWR	2.1	2.3	2.5	2.3	1.5	1.9	-	-	-	-

3.2. Radiation Performance Test

3.2.1. Efficiency



Efficiency (%)

Frequency (MHz)	2400	2450	2500	5150	5500	5850	5925	6325	6725	7125
Efficiency (%)	31.0	31.7	25.2	33.8	39.0	41.6	-	-	-	-

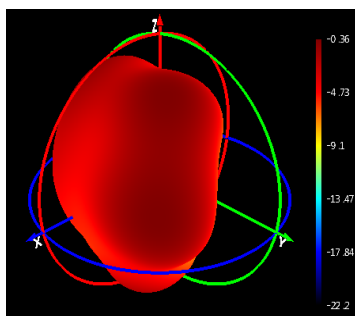
3.2.2. Peak Gain**Peak Gain (dBi)**

Frequency (MHz)	2400	2450	2500	5150	5500	5850	5925	6325	6725	7125
Peak Gain (dBi)	-0.36	-0.1	-1.0	1.2	2.1	2.2	-	-	-	-

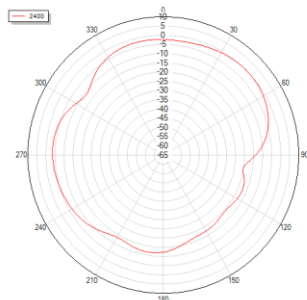
3.2.3. 2D Radiation Pattern

- Test Condition: Assembled in test device
- Test Chamber: HF-S-1

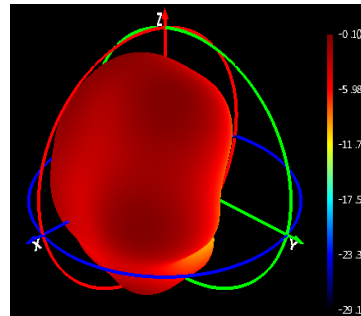
2400MHz



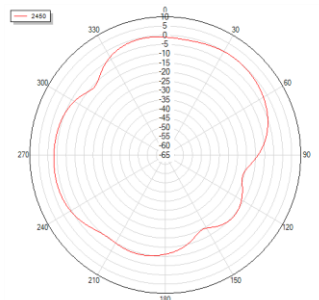
Theta=90 freq=2400MHz



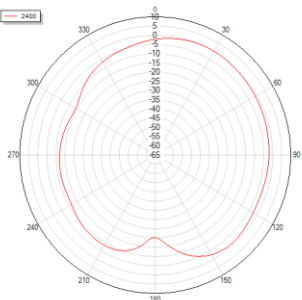
2450 MHz



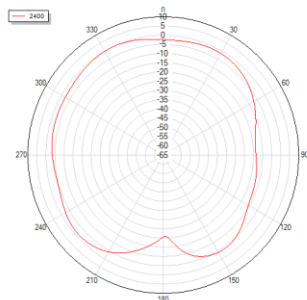
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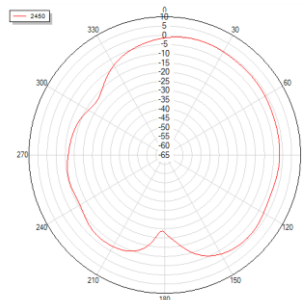
Phi=0 freq=2400MHz



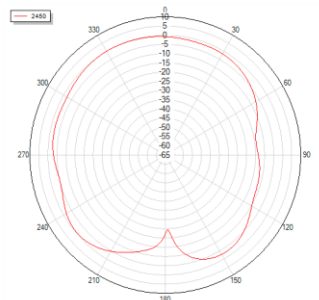
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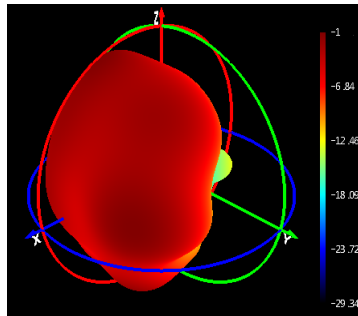
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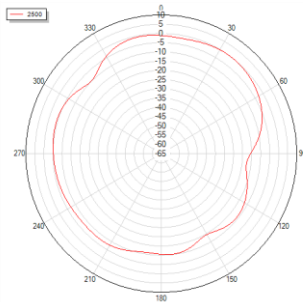
Phi=90 freq=2450MHz



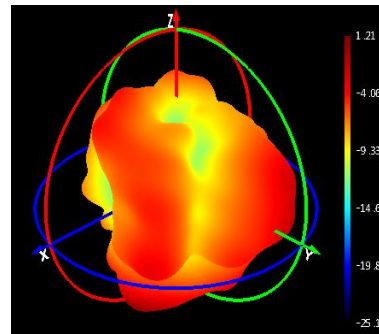
2500 MHz



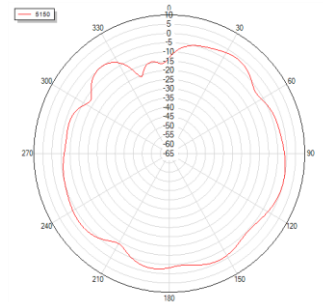
Theta=90 freq=2500MHz



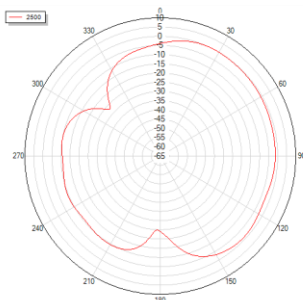
5150 MHz



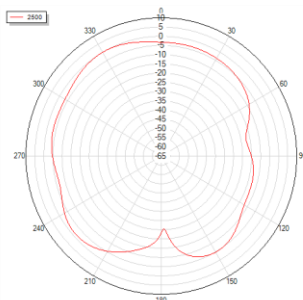
Theta=90 freq=5150MHz



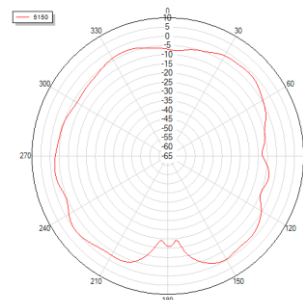
Phi=0 freq=2500MHz



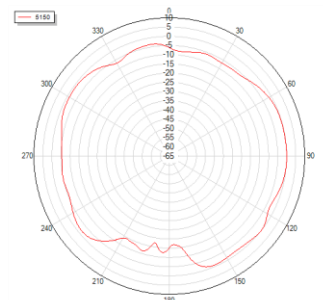
Phi=90 freq=2500MHz



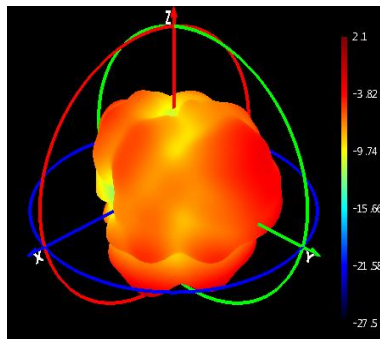
Phi=0 freq=5150MHz



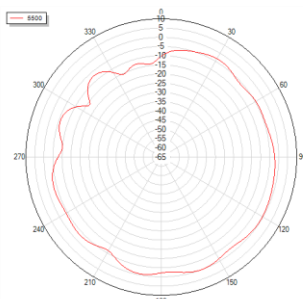
Phi=90 freq=5150MHz



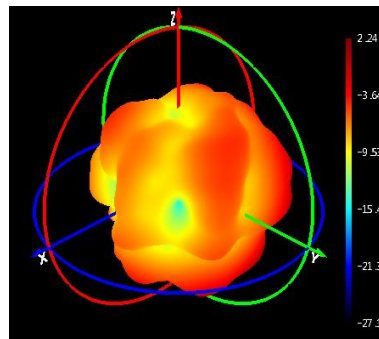
5500 MHz



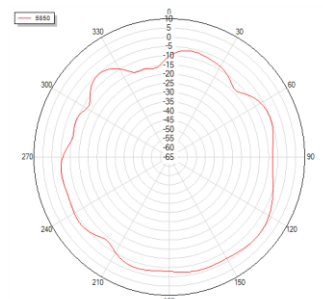
Theta=90 freq=5500MHz



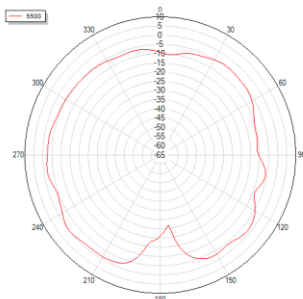
5850 MHz



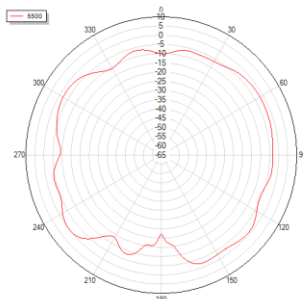
Theta=90 freq=5850MHz



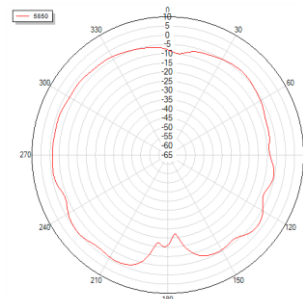
Phi=0 freq=5500MHz



Phi=90 freq=5500MHz



Phi=0 freq=5850MHz



Phi=90 freq=5850MHz

