

Antenna Specification

2.4GHz Ceramic Chip Antenna			
Features:	Low Profile, Small Footprint Design	Radiation Pattern:	Omnidirectional
Antenna Model:	WLA.04	VSWR:	≤ 2.0
Frequency Range	2400~2500MHz		
Antenna type:	Chip antenna		
Peak Gain:	0.5dBi		
Antenna dimensions:	1.6*0.8*0.4mm		
Designer: ADD:	Taoglas Group Holdings Limited Room 7A746, 7th Floor, Block A/B, New Energy Building, No. 2239 Nanhai Avenue, Nanguang Community, Nanshan Sub-district, Nanshan District, Shenzhen, Guangdong Province, P.R. China		

1、Specification

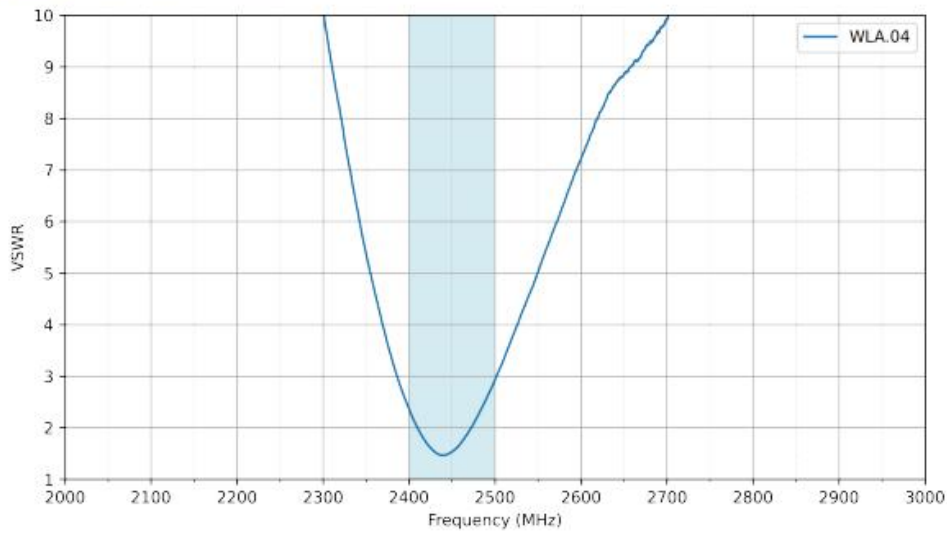
Wi-Fi Electrical								
Band	Frequency (MHz)	Efficiency (%)	Average Gain (dB)	Peak Gain (dBi)	VSWR	Impedance	Polarization	Radiation Pattern
Wi-Fi 2.4GHz	2400-2500	60.5	-2.18	0.50	≤2.0	50 Ω	Linear	Omni
*Tested on a 90x50mm Evaluation Board								

Mechanical	
Dimensions	1.6 x 0.8 x 0.4mm
Material	Ceramic

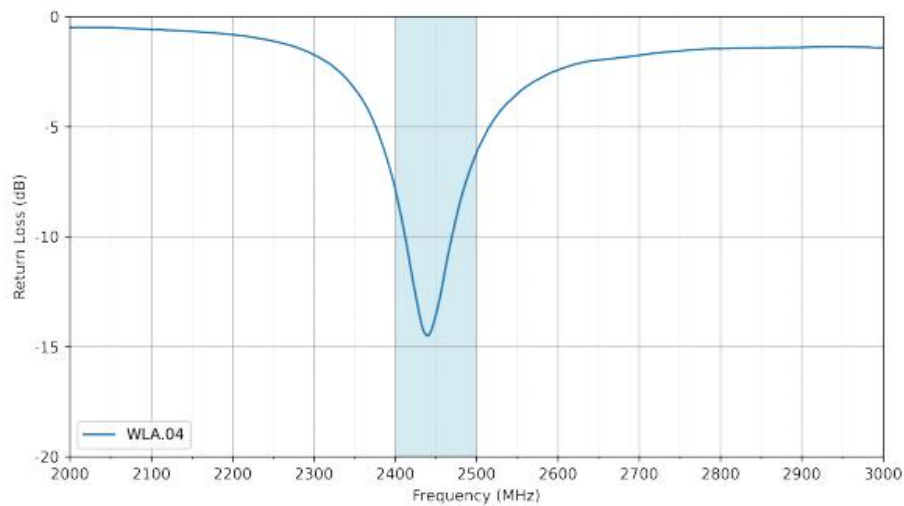
Environmental	
Relative Humidity range	55~75%RH
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C
Moisture Sensitivity Level (MSL)	1

2, Antenna Characteristics

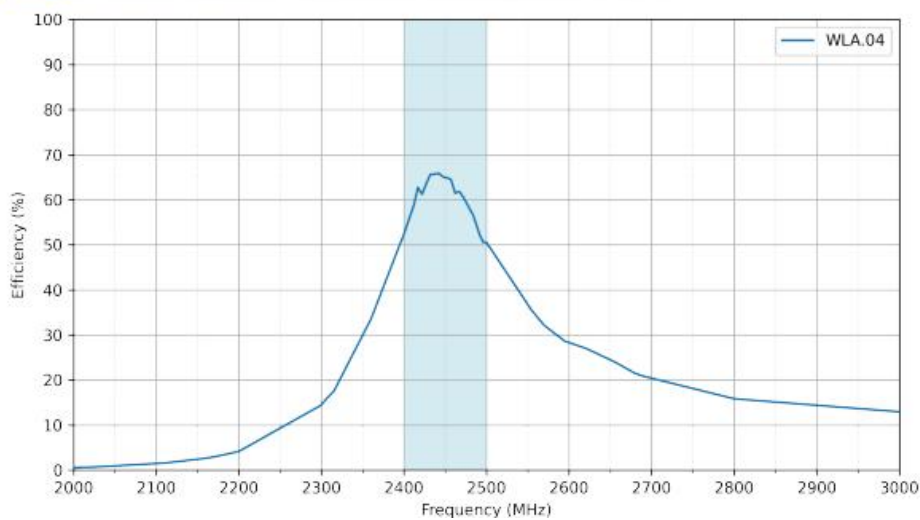
3.2 VSWR



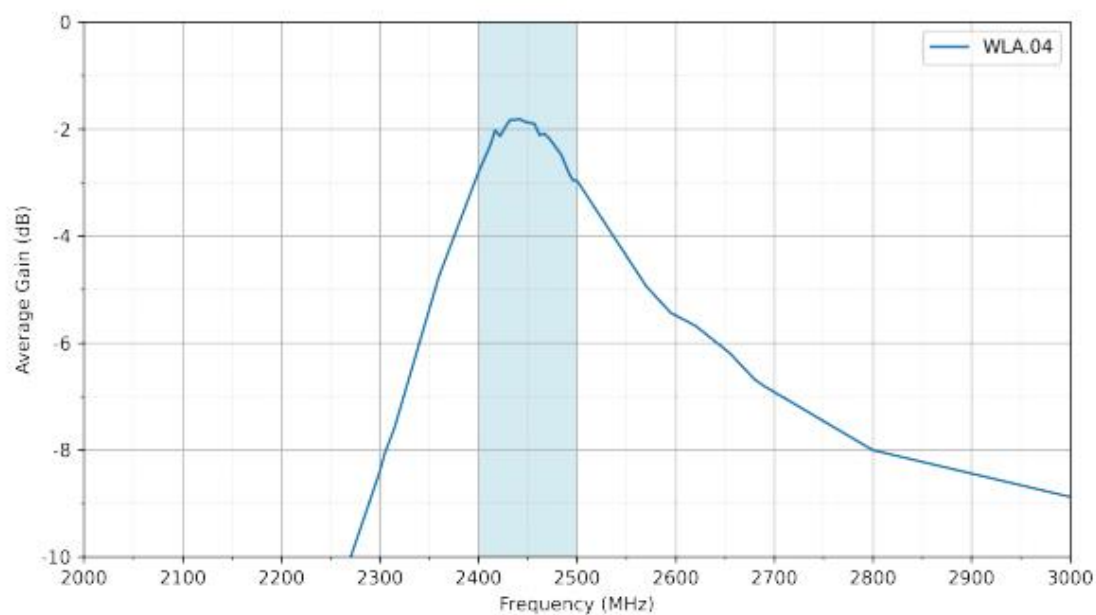
3.1 Return Loss



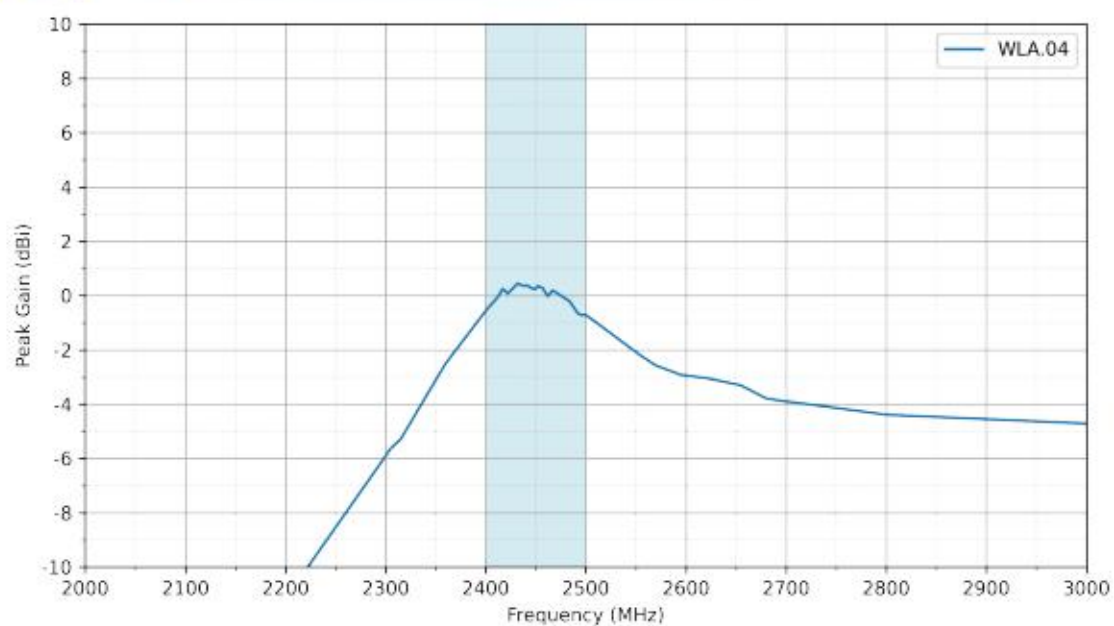
3.3 Efficiency



3.4 Average Gain

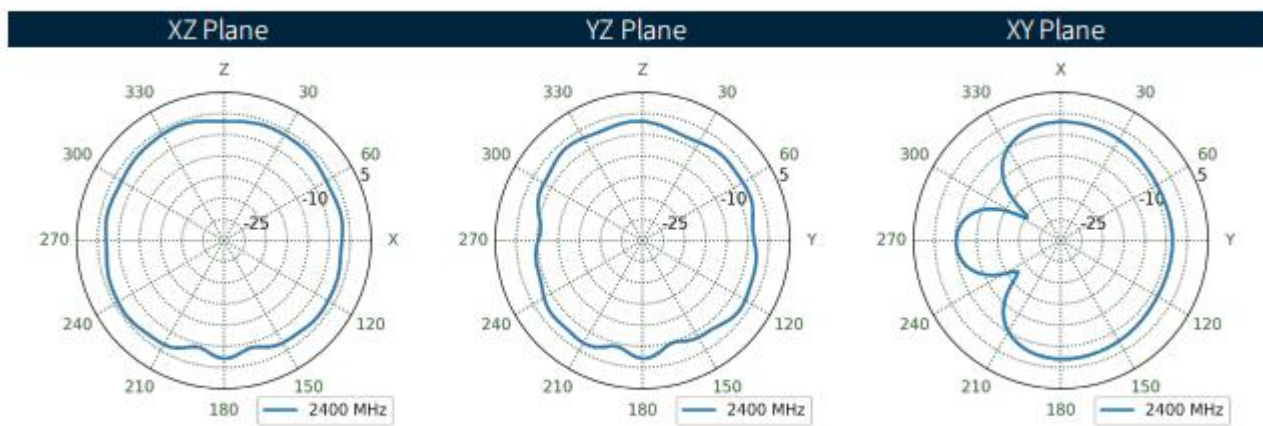
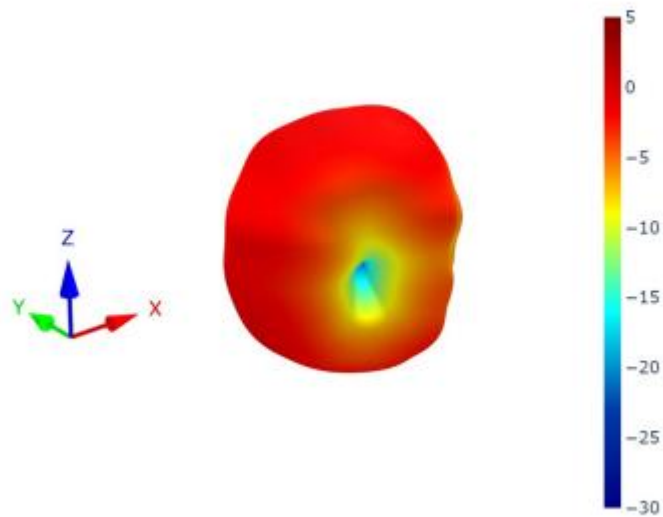


3.5 Peak Gain

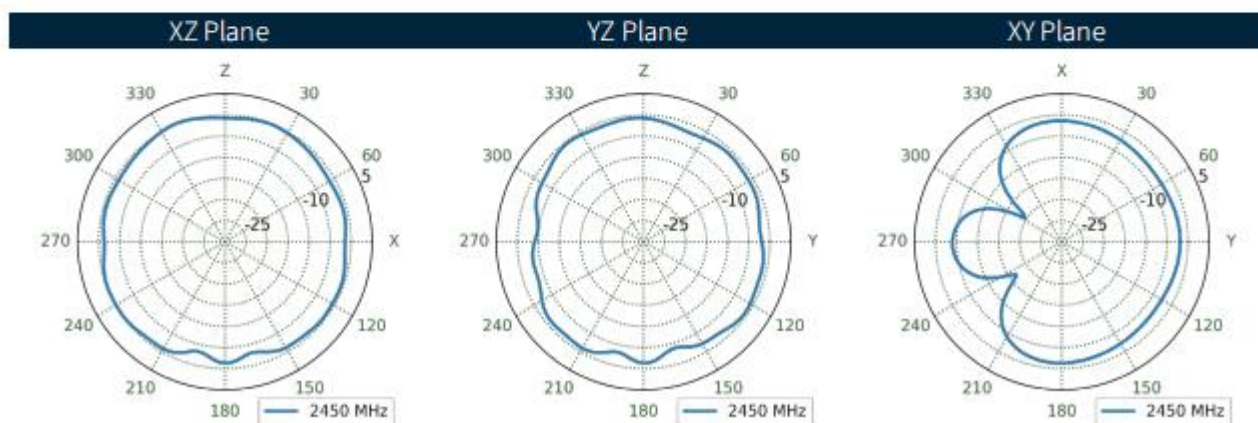
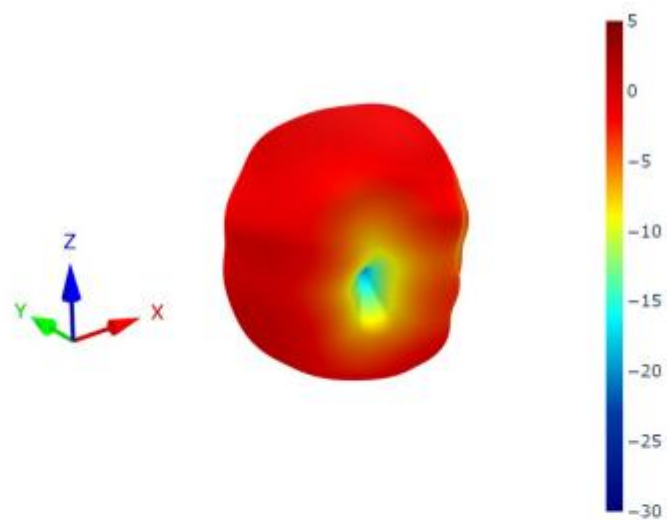


3, Radiation Patterns

Patterns at 2400 MHz



Patterns at 2450 MHz



Patterns at 2500 MHz

