

Dual Band WLAN 2400MHz -2550 MHz & 4900-5900MHz

Features

- Ground plane Independent
- 2400 - 2550 MHz
- 4900 - 5900 MHz
- >43% Efficiency on All bands
- 2.12 dBi Peak Gain
- 18.4*17.4*0.8 mm size
- AdhesiveTape/Glass Mount Design
- IPEX MHFI, UFL Compatible

Applications

- 2.4GHz & 5 GHz
- Wi-Fi
- ISM
- Bluetooth
- Zigbee



Electrical Specification

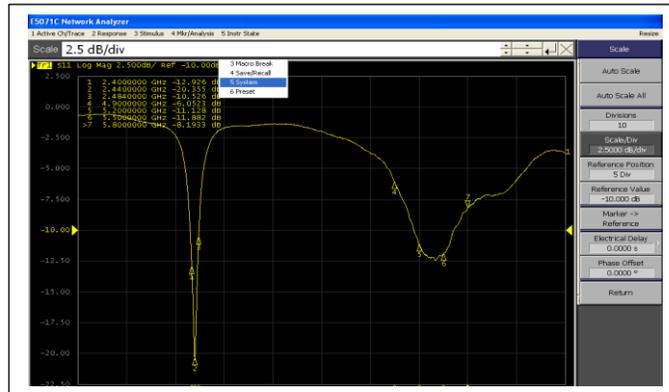
- Frequency: 2400 - 2700 MHz
4900-5900 MHz
- Impedance: 50 Ω

Equipment Used

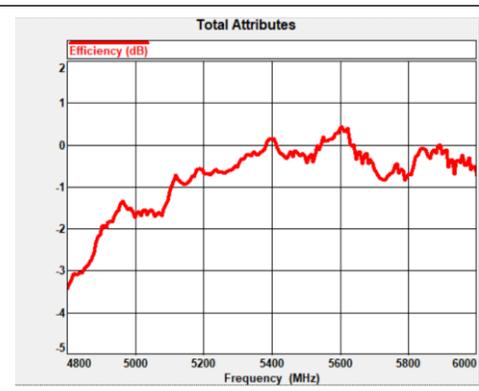
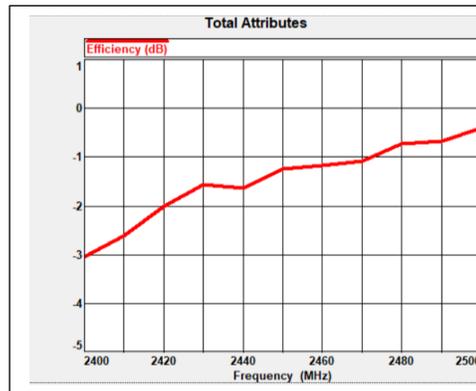
- ETS 8050 Antenna Anechoic Chamber
- Keysite 5071C VNA (Radiation Pattern Measurement)
- Agilent 5071C VNA (Return Loss Measurement)

STANDARD	WIFI / ISM	
	2400MHz - 2484MHz	4900MHz - 5850MHz
Frequency(MHz)	2400MHz - 2484MHz	4900MHz - 5850MHz
Max. VSWR	$\leq 1.92:1$	$\leq 3:1$
Max. Return loss (dB)	≥ 10.52	≥ 6.05
Peak gain(dBi)	≥ 2.2	≥ 2.12
Efficiency(%)	≥ 68	≥ 43
Radiation properties	Omni - directional	
Max input power	2W	
polarization	linear	
Impedance(ohms)	50 ohms	

Return loss



Efficiency



Radiation Pattern

