

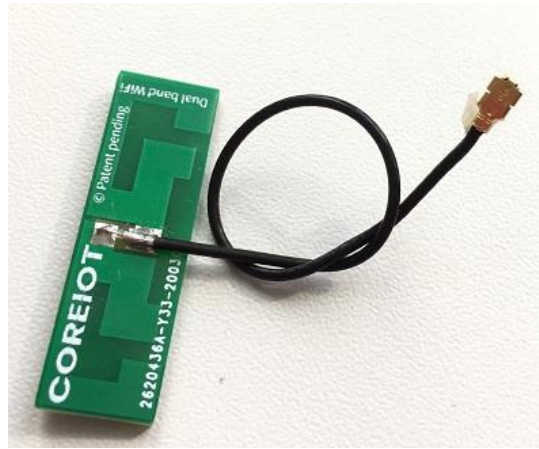
## CoreIoT Dual Band Antenna 2.4G/5.8G

### Features

- Ground plane Independent
- 2400MHz-2500MHz  
4900MHz- 5985MHz
- >40% Efficiency on All bands
- 5 dBi Peak Gain
- 33mmx10mmx1mm size
- AdhesiveTape/Glass Mount Design
- IPEX MHFI, UFL Compatible

### Applications

- 2.4GHz
- Wi-Fi
- ISM



### Electrical Specification

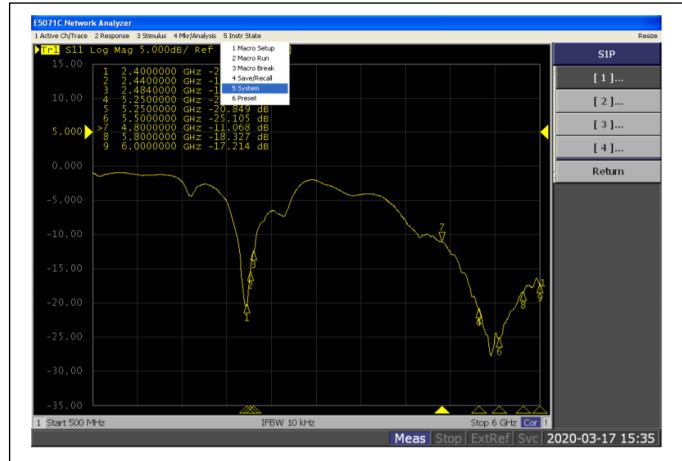
- Frequency: 2400MHz-2500MHz  
4900MHz- 5985MHz
- Impedance: 50  $\Omega$

### Equipment Used

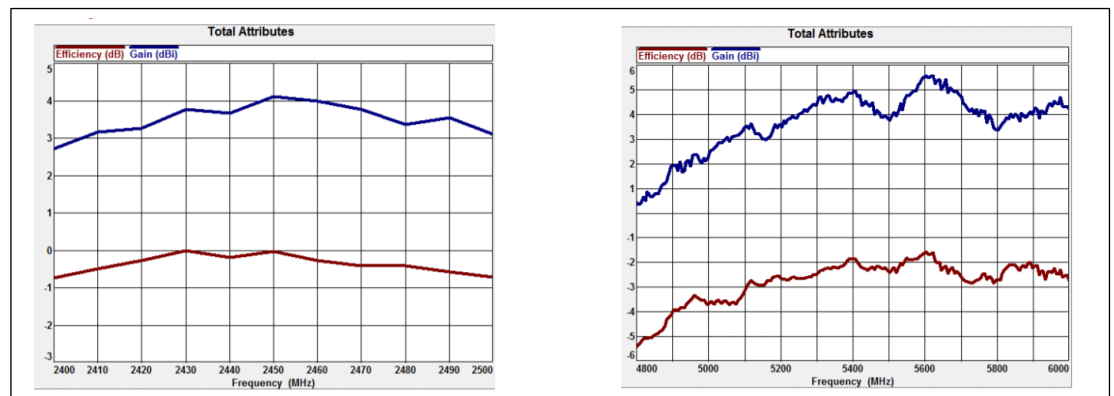
- ETS 8050 Antenna Anechoic Chamber
- Keysite 5071C VNA (Radiation Pattern Measurement)
- Agilent 5071C VNA (Return Loss Measurement)

STANDARD	WIFI / ISM	
Frequency(MHz)	2400MHz - 2484MHz	4900MHz - 5850MHz
Max. VSWR	$\leq 1.6:1$	$\leq 1.6:1$
Max. Return loss (dB)	$\geq 12.38$	$\geq 12.49$
Peak gain(dBi)	$\geq 2.7$	$\geq 1.93$
Efficiency(%)	$\geq 84.5$	$\geq 40.34$
Radiation properties	Omni - directional	
Max input power	2W	
polarization	linear	
Impedence(ohms)	50ohms	

## Return loss



## Efficiency



## Radiation Pattern

