

PRODUCT SPECIFICATION

PCB 5GHz Dual PIFA Antenna

ZZ-ANT-0000004

(ANT_IA9QH5)

Version 1.3



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1. ELECTRICAL SPECIFICATION

Item	Specification
Working Frequency Range	5160MHz~5245MHz 5735MHz~5840MHz
Return Loss	-10dB
Isolation	-15dB
VSWR	2 max
Polarization	Linear Vertical
Radiation Pattern	Directional
Impedance	50Ω

2. ANTENNA DRAWING

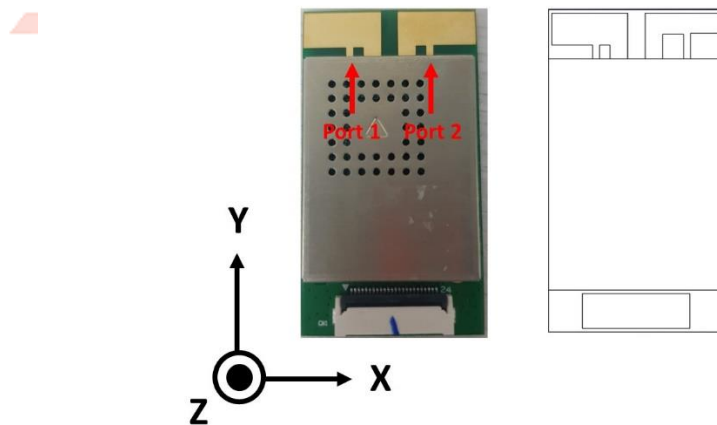
ELECTRICAL

Frequency : 5160MHz~5245MHz, 5735MHz~5840MHz

Module & Antenna

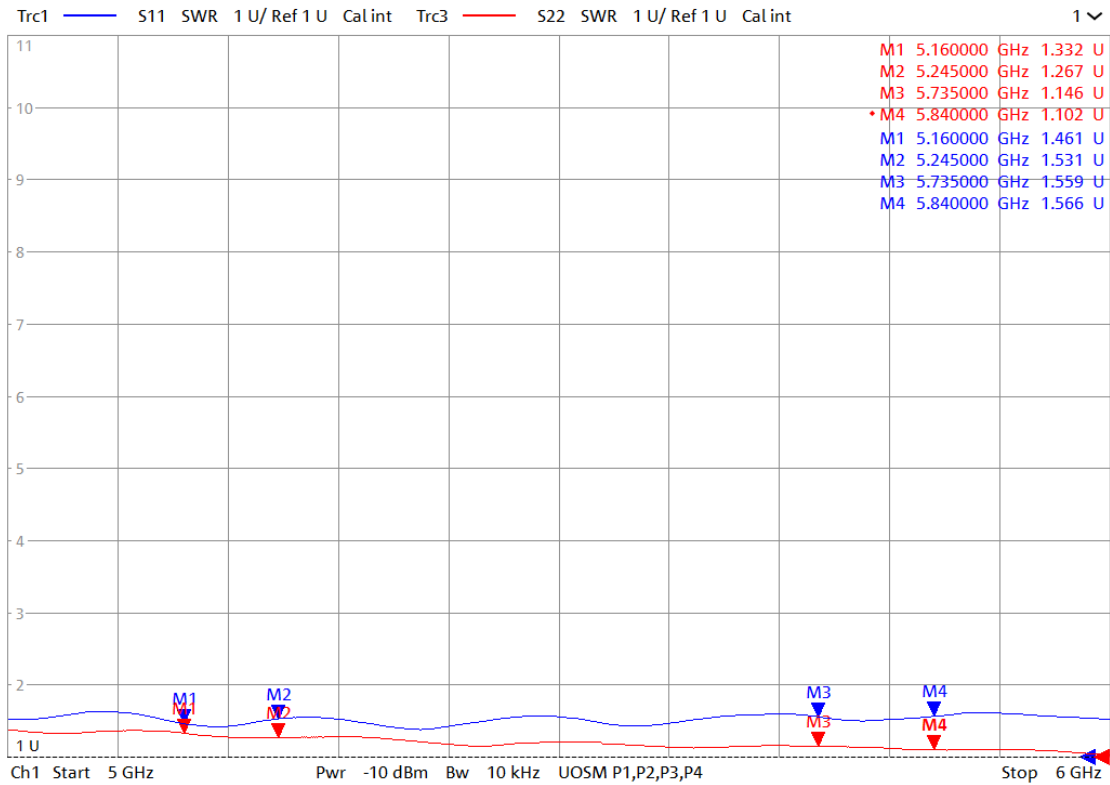
Antenna area : 25*7 mm

Module size : 25*46 mm



3. VSWR

9/7/2022 8:44:17 AM
1311.6010K64-102714-Ui



Blue line : ANT1

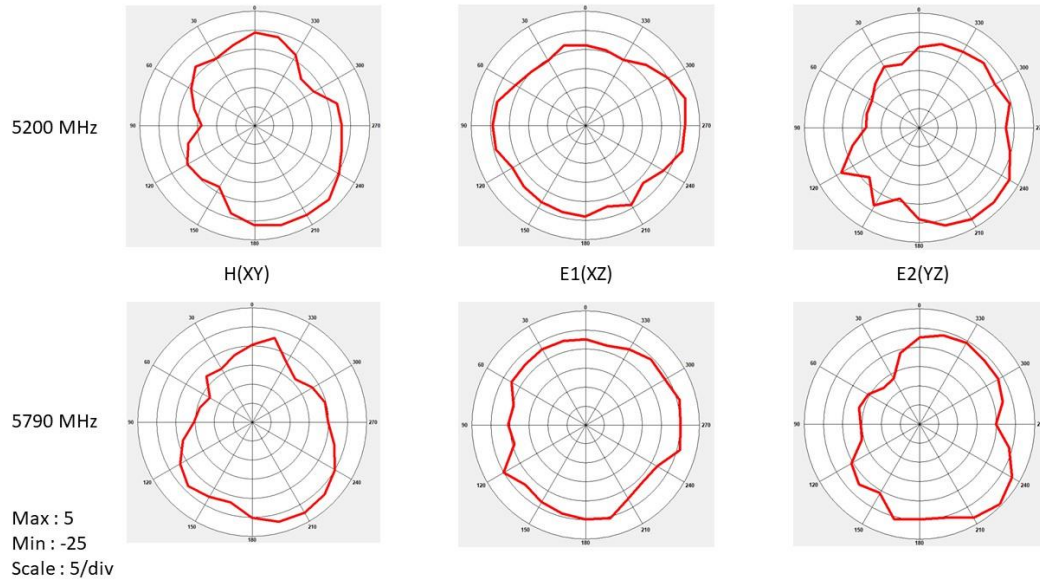
Red line : ANT2

4. ANTENNA EFFICIENCY & PEAK GAIN

Frequency(GHz)	Efficiency(%) (1/2)	Peak Gain(dBi) (1/2)
5160	70.34/64.67	4.2/4.97
5245	66.12/68.71	3.79/5.38
5735	64.21/86.42	4.35/5.20
5840	58.96/78.10	3.73/4.22

5. RADIATION PATTERN

1. Port 1



2. Port 2

