

PRODUCT SPECIFICATION

PCB 5GHz Dual PIFA Antenna

ZZ-ANT-0000004

(ANT_IA9QH5)

Version 2



Ver 2 2024/11/26

CONTENT

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2. ANTENNA DRAWING
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1. ELECTRICAL SPECIFICATION

Item	Specification
Working Frequency Range	5160MHz~5245MHz 5735MHZ~5875MHZ
Return Loss	-10dB
Isolation	-15dB
VSWR	2 max
Polarization	Linear Vertical
Radiation Pattern	Directional
Impedance	50Ω

2. ANTENNA DRAWING

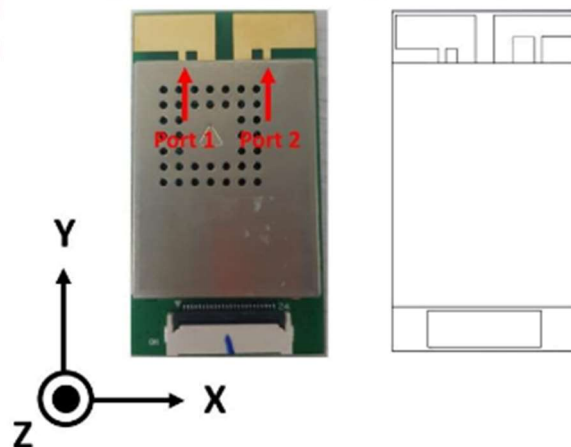
ELECTRICAL

Frequency : 5160MHz~5245MHz, 5735MHZ~5875MHZ

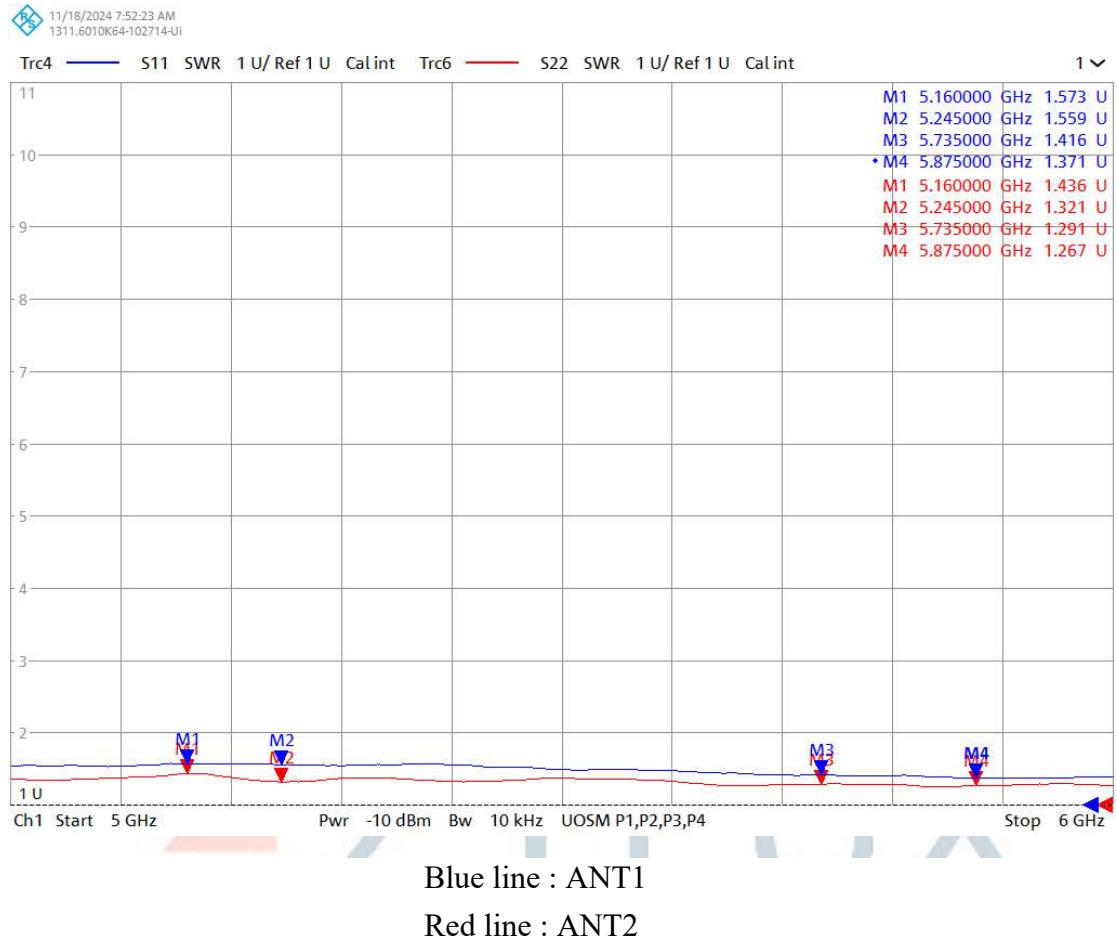
Module & Antenna

Antenna area : 25*7 mm

Module size : 25*46 mm



3. VSWR



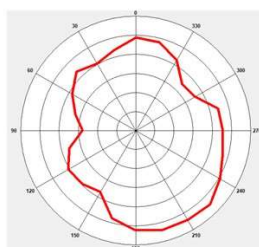
4. ANTENNA EFFICIENCY & PEAK GAIN

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
5875	69.58/79.76	3.13/5.05

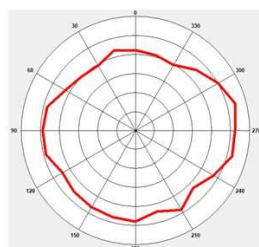
5. RADIATION PATTERN

1. Port 1

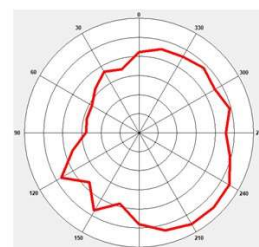
5200 MHz



H(XY)

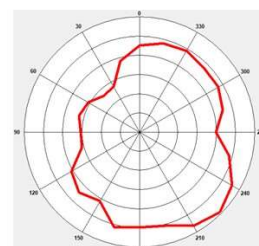
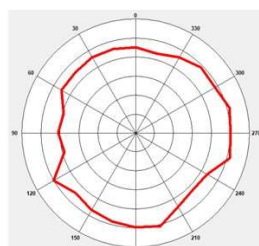
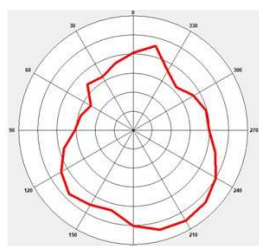


E1(XZ)



E2(YZ)

5790 MHz

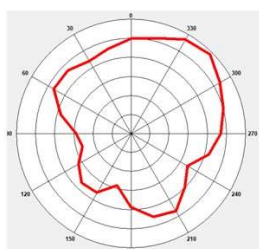


Max : 5
Min : -25
Scale : 5/div

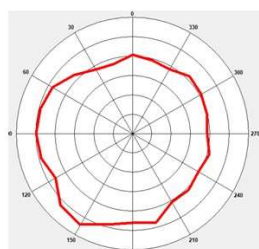
S

2. Port 2

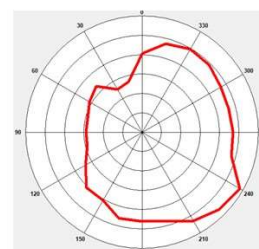
5200 MHz



H(XY)

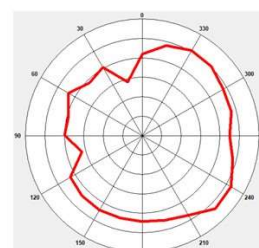
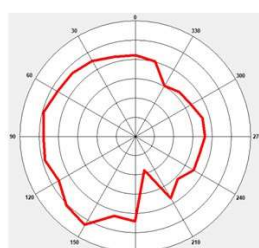
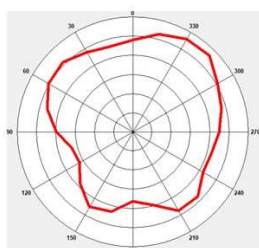


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5790 MHz



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