Antenna Data Sheet

Uant P/N: NPANT003 REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Mark	
APPROVED BY:	Changxing.Liu	
DATE:	2024/04/09	

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Modification History

Version	Content Revision	Issued by	Date
A	Original version	Mark	2024-04-09

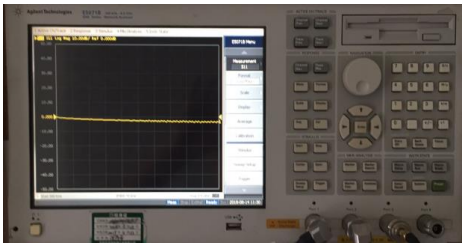
Content

1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	44.2x27.2x1,L100	mm
Antenna Type	PIFA	
Frequency	2305-2360/3550-3700	MHz
Impedance	50	Ω
VSWR	≤4.2	
Polarization	Linear Polarization	
Peak Gain	> 0.23	dBi
Efficiency	>26.6	%
Connector Type	IPEX MHF 4L	
Operating temperature	-40℃~+85℃	
Storage Temp	-40℃~+85℃	

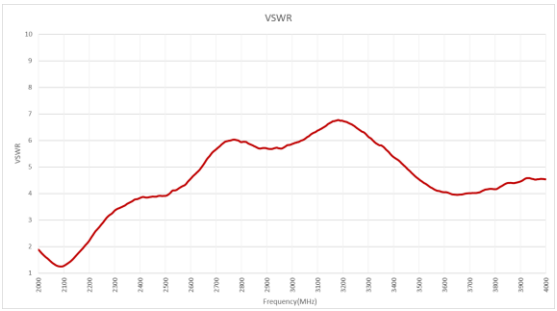
2.Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave chamber (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave chamber (5m*5m*5m) 2.Comprehensive test instrument (CMW500)

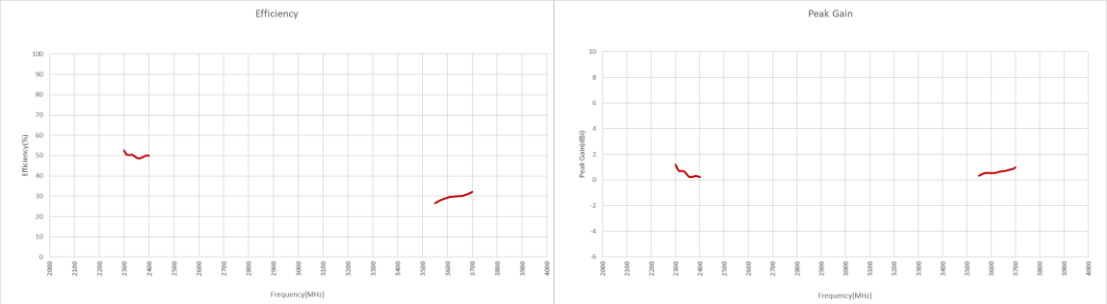

3. S Parameter

Frequency (MHz)	Max VSWR
2305-2360	3.4
3550-3700	4.2



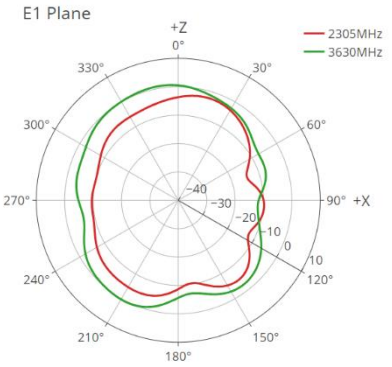
4. Efficiency and Gain

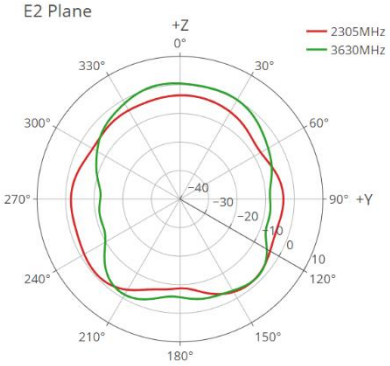
Fequency (MHz)	2305-2360	3550-3700
AVG Efficiency (%)	50.7	29.6
Max Peak Gain (dBi)	0.98	1.0

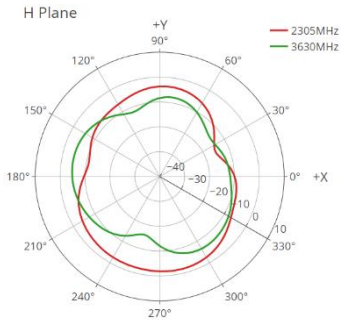

Efficiency
Efficiency(%)
Frequency(MHz)
Peak Gain
Peak Gain(dBi)
Frequency(MHz)

5. Radiation Pattern

Antenna 2D Radiation Pattern







6.Mechanical Specification: