



SPECIFICATIONS FOR APPROVAL

Antenna Name: WIFI Antenna

Product Name: MH100

Issued Date: 2022-11-15

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1.Product Specification

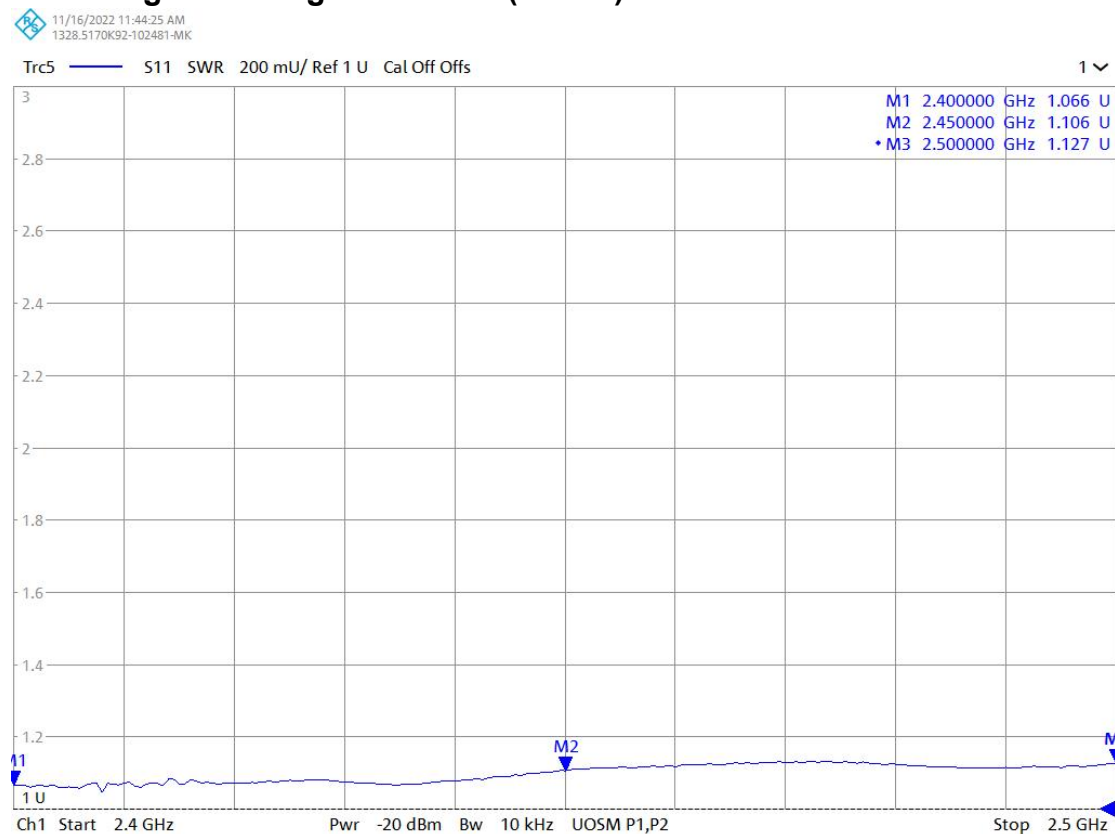
Electrical Characteristics	
Frequency	2400MHz ~2500 MHz 5100MHz ~5850 MHz
VSWR	<1.3
Efficiency	>20%
Impedance	50Ohm
Polarization	Linear
Gain(2.4GHz)	≤4.6dB
Gain(5GHz)	≤5.5dB

2.Test Equipment & Conditions

- | | |
|----------------------------------|---------------------|
| 1.Network Analyzers | Agilent 8753D/5071C |
| 2.HSPA and LTE protocol test set | R&S CMW500 -PT |
| 3.Communications Test Set | Agilent 8960 |
| 4.3D Chamber Test System | |

3.Test Report

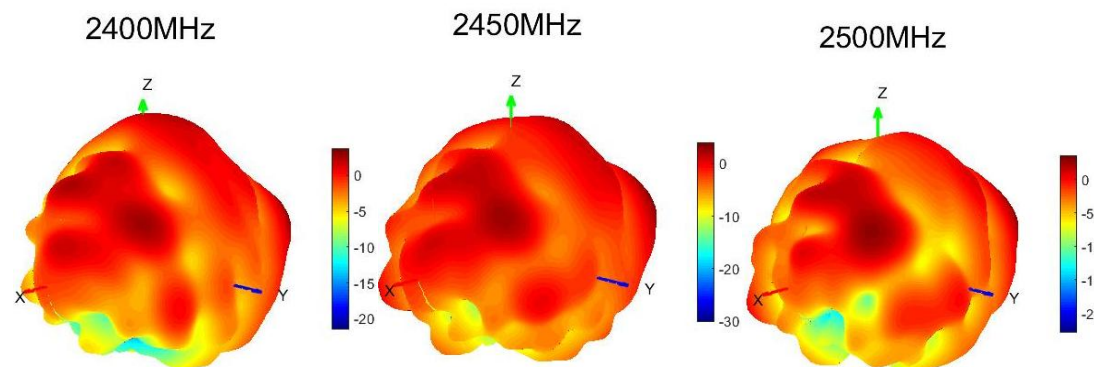
3.1 Voltage Standing Wave Ratio(VSWR).

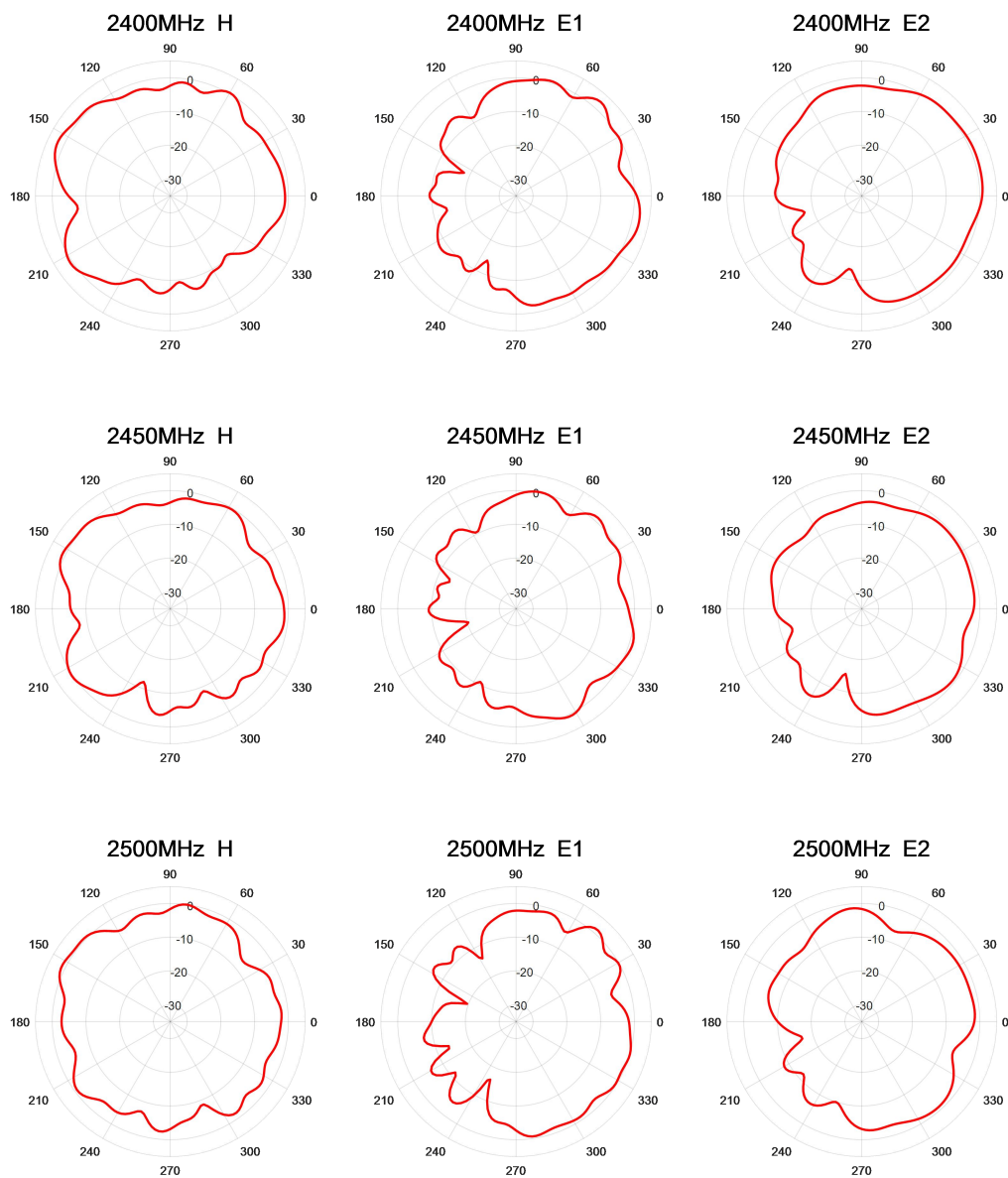




3.2 Efficient and gain.

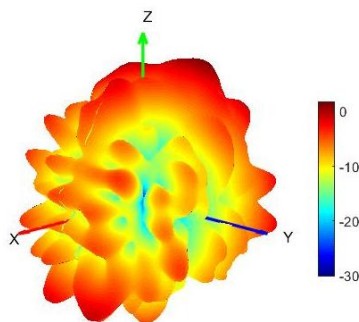
Passive Test For WIFI/BT											
Freq (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Effi (%)	57.56	58.7	56.93	58.24	59.32	60.11	61.46	60.75	59.01	56.02	56.86
Gain (dBi)	3.34	3.31	3.31	3.3	3.48	3.69	3.91	3.77	4.06	4.19	4.61



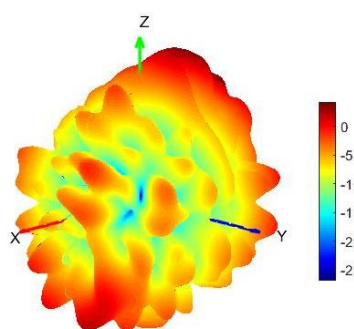


Passive Test For WIFI 5G									
Freq(MHz)	5100	5200	5300	5400	5500	5600	5700	5800	5850
Effi (%)	20.01	25.79	28.76	21.85	31.55	27.04	29.91	33.50	37.18
Gain(dBi)	1.86	2.16	2.41	3.09	4.27	5.49	5.01	3.94	4.82

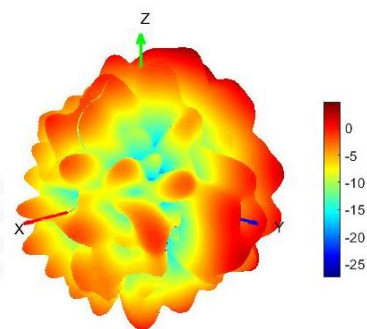
5100MHz



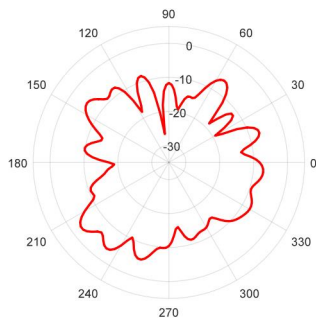
5500MHz



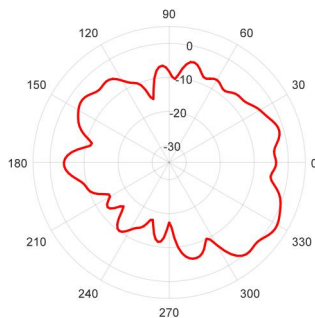
5850MHz



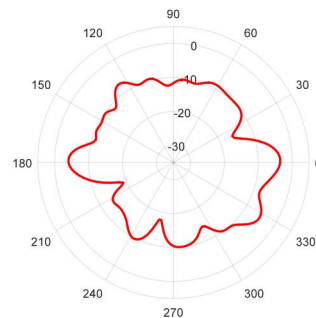
5100MHz H



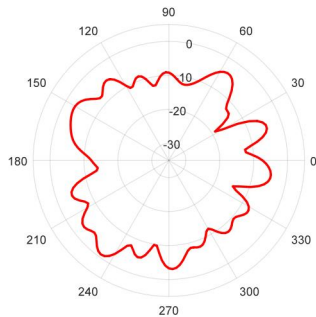
5100MHz E1



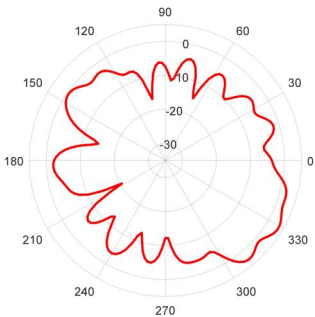
5100MHz E2



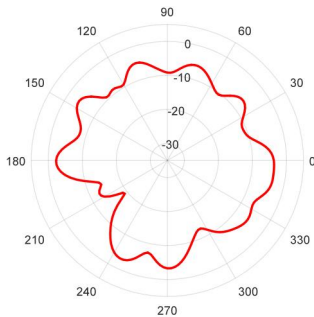
5500MHz H



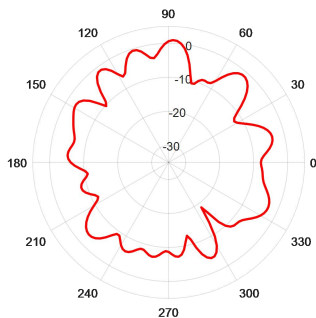
5500MHz E1



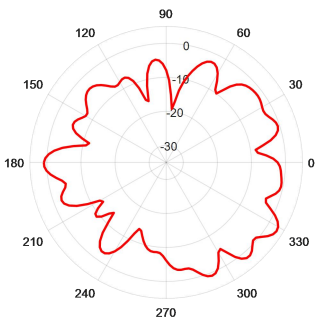
5500MHz E2



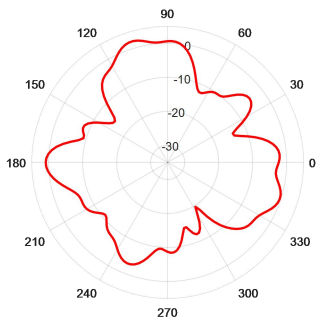
5850MHz H



5850MHz E1

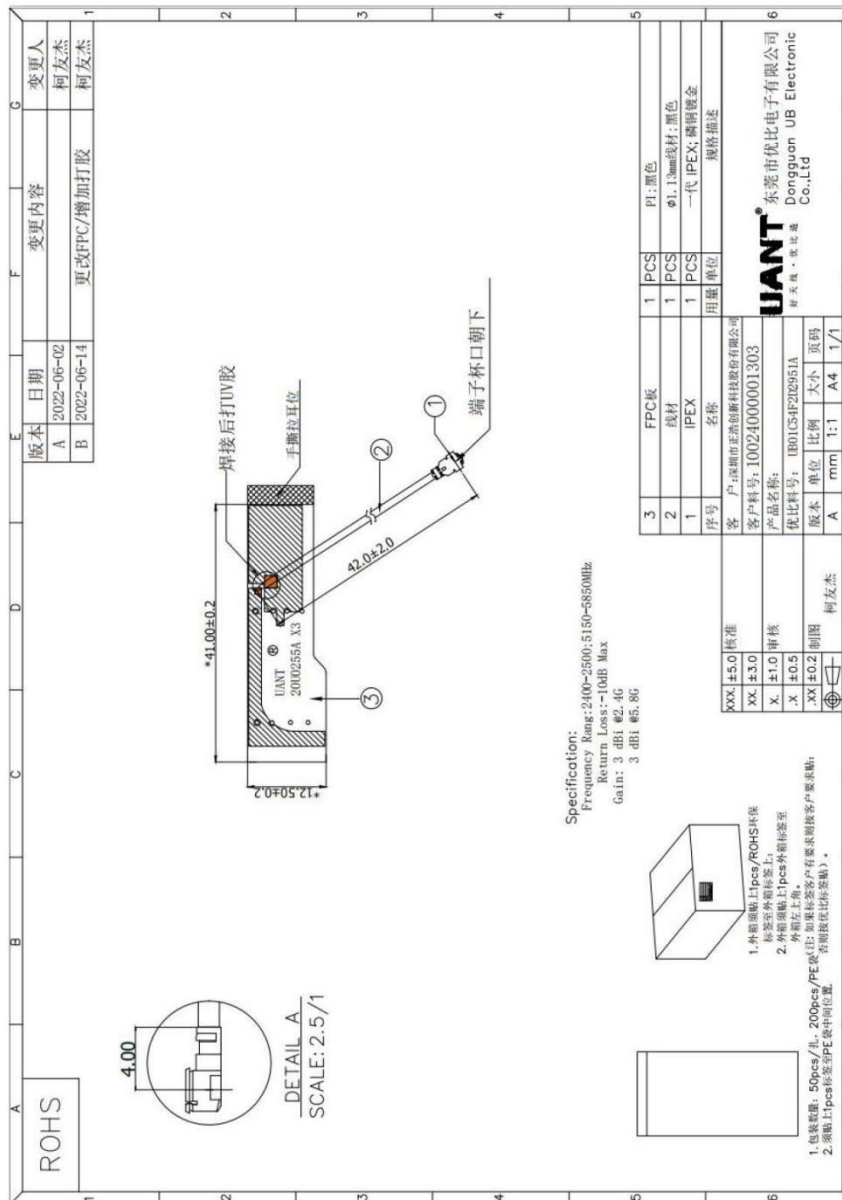


5850MHz E2



4. Product Drawing

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