



深圳市安特通讯科技有限公司

Shenzhen ANT Communication Technology Co., LTD.

Antenna Specification Sheet

Customer Name: JINGKAI

Project Name: PCB-Built-in antenna module

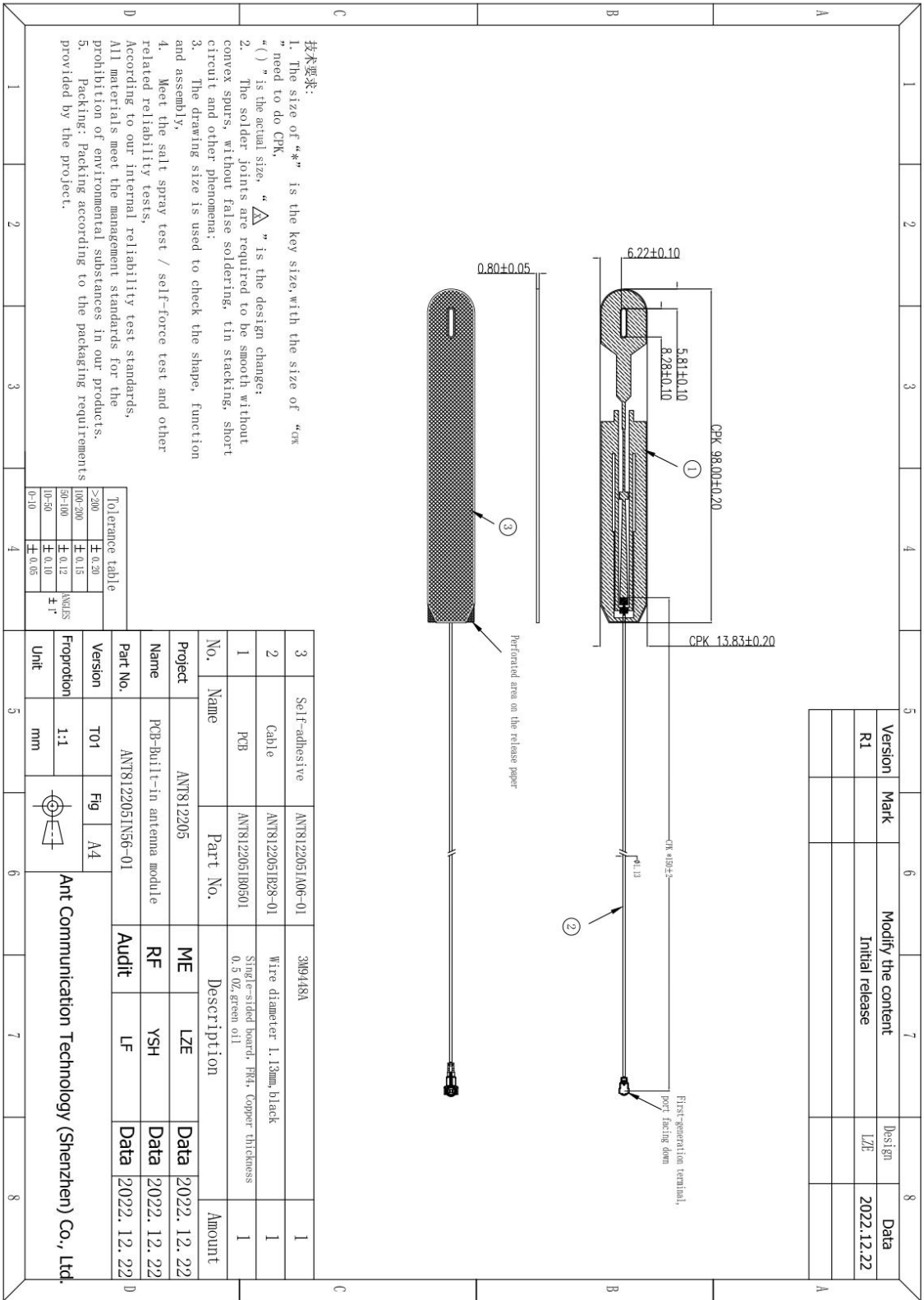
Specification version: RA

Material specifications: PCB+CABLE

Specifications and Model	Part number
PCB-Built-in antenna module	ANT812205IN56-01

ANT-Joint Signature Section				
Research and development	SE: LZE	Review: XMH	Approve:	Date : 2022.12.23
	RF: WB	Review: LF		

1、 Structure Diagram File:



2、Product Specs and Technical Details:

Technical Specs	
Frequency range	690~960MHz, 1700-2700MHZ
Input impedance	50 Ω
Standing-wave ratio	≤2.5
Maximum gain	3.9dBi
Polarization mode	vertical
Radiation direction	Omnidirectional
Connection method	CABLE
Connector type	First-generation terminal
Mechanical parameters	
Antenna size	98x18.83mm
Pull-out force	1KG 以上
Salt spray test	24H 以上
Coaxial line type	1.13
environment parameters	
operation temperature	-45℃--+85℃
Storage temperature	-45℃--+85℃

3、Product Specs and Technical Details:



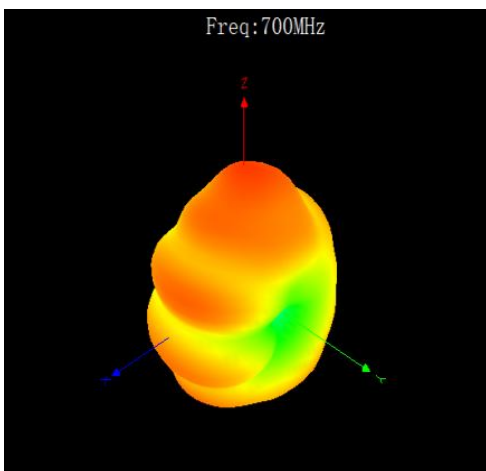
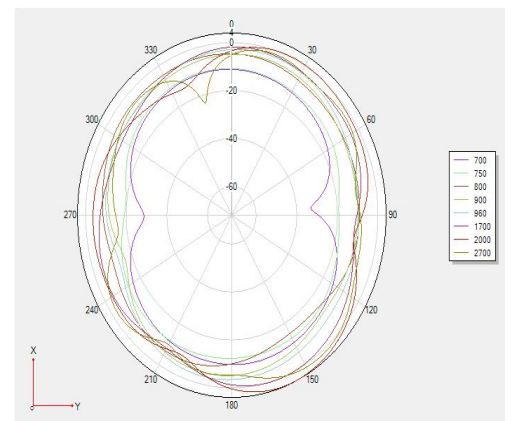
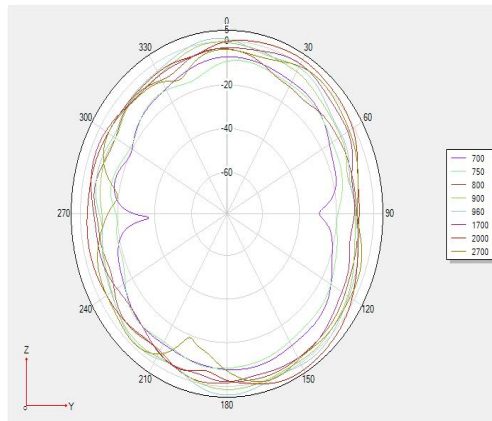
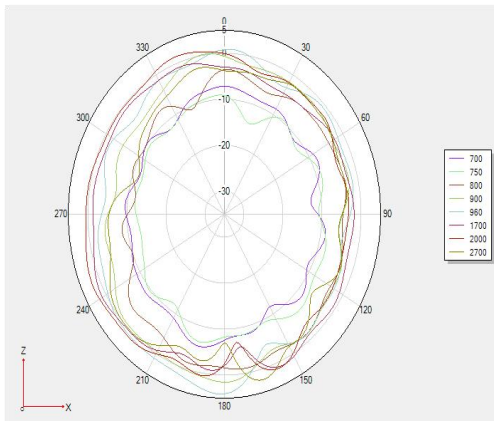
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4、Gain&Efficiency:

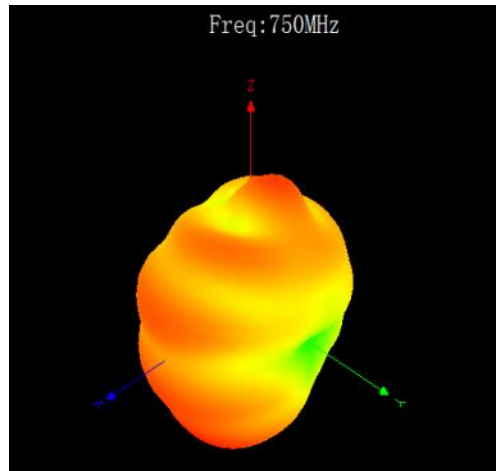
Freq/Mhz	Effi / dB	Effi / %	Gain/dBi	Freq/Mhz	Effi / dB	Effi / %	Gain/dBi
690	-13.0	5.1%	-3.5	1900	-3.0	50.6%	3.1
700	-13.0	5.0%	-3.5	1920	-3.0	50.6%	2.6
710	-12.8	5.2%	-3.9	1940	-2.9	51.1%	3.0
720	-10.0	9.9%	-4.0	1960	-2.8	52.0%	3.4
730	-10.1	9.8%	-3.7	1980	-2.8	52.6%	3.6
740	-10.0	10.0%	-4.7	2000	-2.7	53.6%	3.7
750	-9.9	10.1%	-4.2	2020	-2.6	54.7%	3.7
760	-9.6	10.9%	-4.1	2040	-2.6	54.8%	3.5
770	-9.0	12.6%	-3.0	2060	-2.6	54.7%	3.4
780	-8.1	15.4%	-2.7	2080	-2.6	55.5%	3.3
790	-7.0	19.9%	-1.2	2100	-2.5	56.5%	3.2
800	-6.2	24.0%	0.3	2120	-2.6	55.3%	3.4
810	-5.2	30.2%	0.8	2140	-2.7	54.2%	3.3
820	-4.4	36.2%	0.6	2160	-2.6	55.1%	3.4
830	-4.4	36.1%	1.2	2180	-2.6	55.1%	3.1
840	-4.0	39.6%	1.6	2200	-2.5	56.4%	3.2
850	-3.6	43.4%	1.8	2300	-2.9	51.8%	2.67
860	-3.3	46.2%	2.2	2320	-3.1	49.3%	2.4
870	-3.1	48.6%	2.0	2340	-3.2	48.0%	2.11
880	-3.0	50.2%	2.4	2360	-3.2	47.6%	2.03
890	-3.0	49.9%	1.0	2380	-3.3	46.2%	2.05
900	-3.0	50.4%	1.5	2400	-3.3	46.2%	3.4
910	-3.1	48.8%	1.5	2420	-3.3	46.5%	3.87
920	-3.1	49.2%	2.1	2440	-3.4	45.5%	3.91
930	-3.1	48.8%	2.4	2460	-3.4	45.6%	3.13
940	-3.2	48.1%	3.6	2480	-3.5	44.8%	3.33
950	-3.0	49.8%	3.0	2500	-3.6	43.9%	3.53
960	-3.1	48.5%	3.1	2520	-4.1	39.2%	2.61
1700	-2.4	57.3%	1.6	2540	-4.1	38.7%	2.71
1720	-2.3	58.6%	2.0	2560	-4.2	38.3%	2.74
1740	-2.8	52.4%	1.9	2580	-4.2	38.2%	2.77
1760	-2.9	51.2%	1.8	2600	-4.1	39.0%	2.97
1780	-3.1	48.4%	2.5	2620	-4.0	39.9%	4.01
1800	-3.3	47.2%	3.5	2640	-3.9	41.1%	4
1820	-3.3	46.8%	3.2	2660	-3.7	42.7%	4.05
1840	-3.2	47.6%	3.2	2680	-3.7	43.1%	4.02
1860	-3.1	48.6%	3.1	2700	-3.7	43.1%	3.99
1880	-3.0	49.8%	3.2				

Address: Room 701 , Building A, Tongfu Hanhaida Industrial Park, No.1 Jiangfu Road, Xinzhuang Community, Matian Subdistrict, Guangming District, Shenzhen

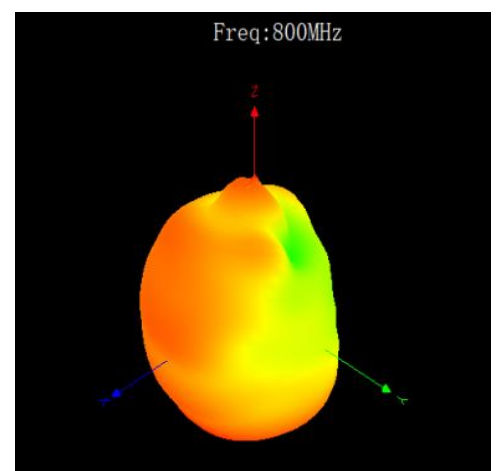
2D方向图



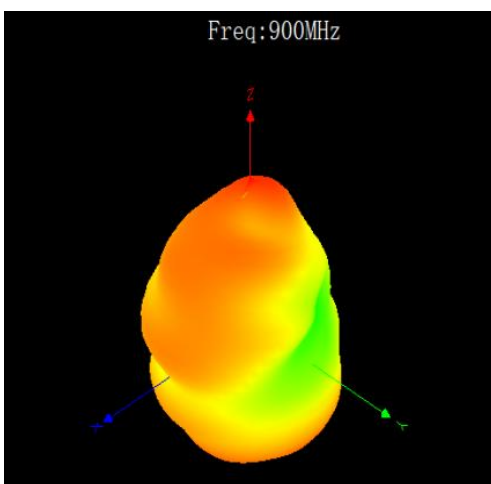
700MHZ



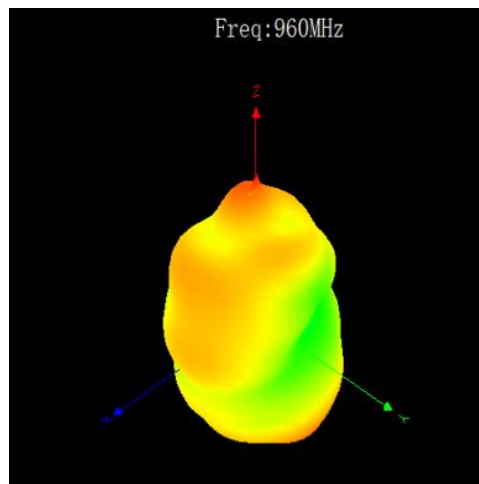
750MHZ



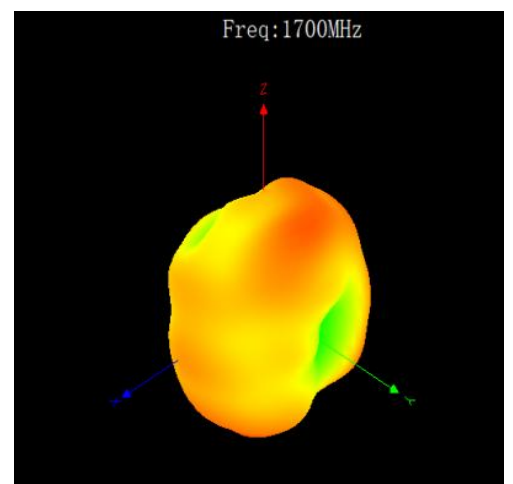
800MHZ



900MHZ

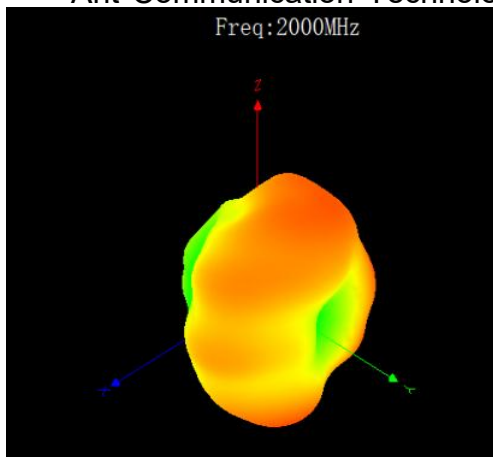


960MHZ

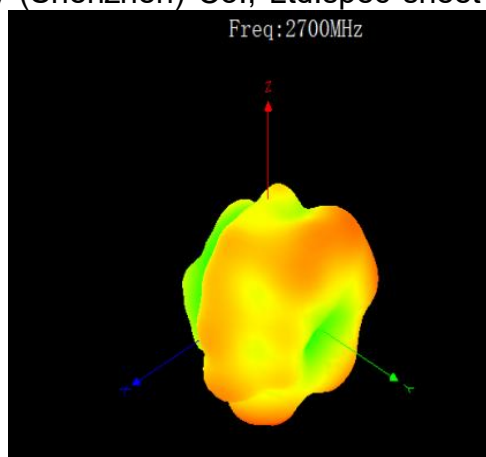


1700MHZ

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2000MHZ



2700MHZ

5.VSWR:

