SAMPLE & SPECIFICATION FOR APPROVAL

Customer: T2 Mobile (Shanghai) Limited

Model NO: PM95

Customer P/N: PM95_B_ANT_HM0330-BA (15.PM95052001)

Version: V0.1

Specification Describe: PM95 B Antenna (Carrier + LDS)

Vendor P/N: HM0330-BA

Date: 2023-12-29

Sample and datasheet must be approved for 5 PCS .

No Customer appointed Material				Assign Part
	R&D		QE	Sales
Department	MD	HW	Quality and Eng.Dep.	Sale& Marketing
Checked By	LIXU	Li ShengHua	LiWeiWei	LiMin
Approved By	LIXueQin	WangJinhui	YeLing	YiQin
Final Judgment	LiLinHua	LiLinHua	LiLinHua	LiLinHua
Remark				

Suzhou HuiMi Communication Technology Co.,Ltd

Antenna Approval Sheet

Customer	T2 Mobile (Shanghai) Limited		
Customer P/N	PM95_B_ANT_HM0330-BA（15.PM95052001）		
Model	PM95		
P/N	HM0330-BA		
Description	PM95-B ANTENNA (Carrier+LDS)		
Frequency	ANT2:1710-2200MHz+5150-5950MHz ANT12:2400-2500MHz+5150-5850MHz ANT6:2300-2690MHz		
Initial Date	2023-12-29		
Revision	A		
Author	RF Engineer	ME	Confirm
	WangJinhui	SunQua	YIQIN
Tel.	18015467688	13405120400	
Approval	R&D	PM	QE

Customer Signature

Catalog

1. Summary

This is the B antenna approval sheet.

Working band :

ANT2:1710-2200MHz+5150-5950MHz

ANT12:2400-2500MHz+5150-5850MHz

ANT6:2300-2690MHz

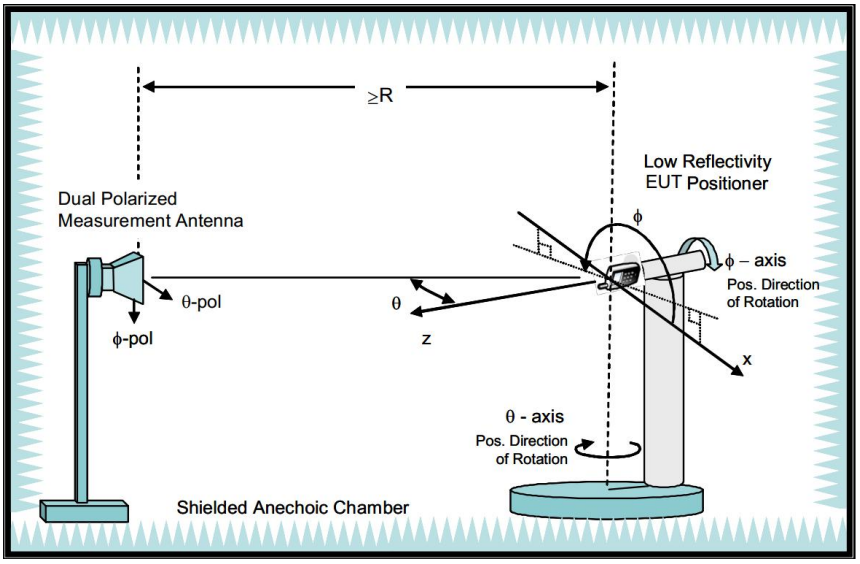
2. Antenna Structure

Carrier + LDS

3. Device Conditions

PM95 Mobile phone

4. Test Environment



Picture 2 Test Environment photo

5. Antenna Test Results

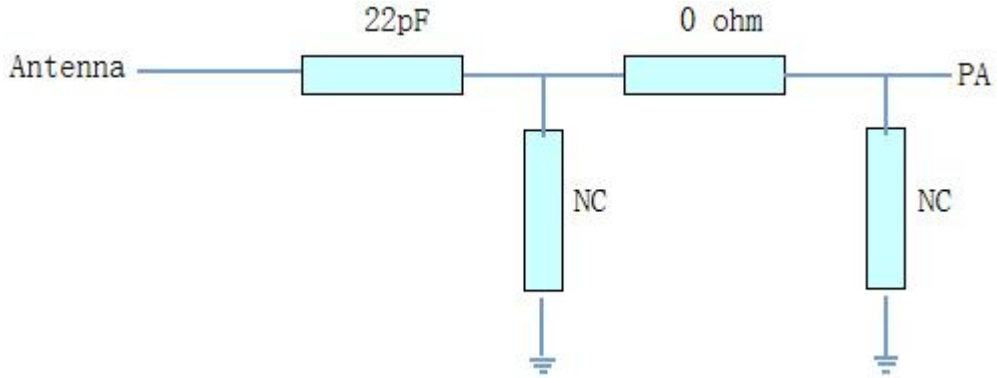
5.1 Antenna Photos

BLANK

Picture 3 PM95 B antenna photo

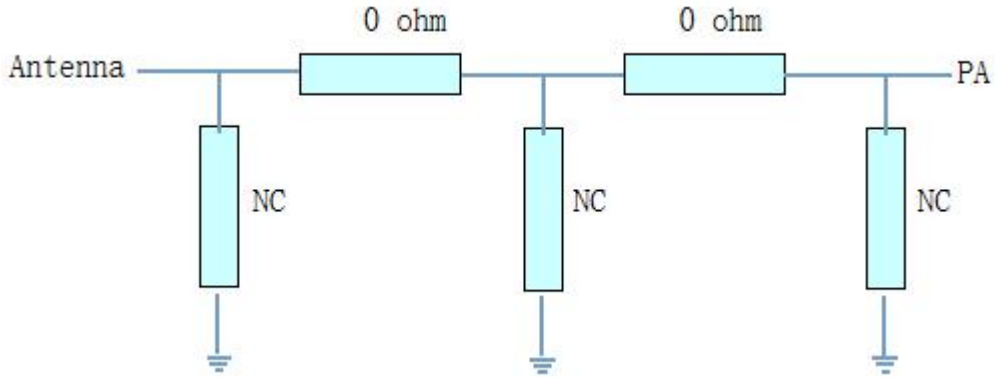
5.2 Matching Network

5.2.1 matching network for ANT2



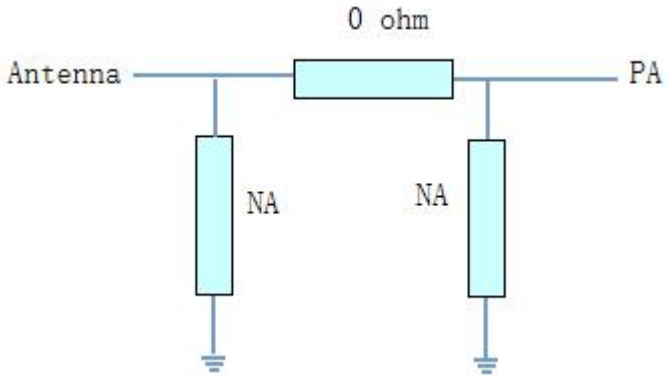
Picture 4 Matching network for ANT2 antenna

5.2.2 matching network for ANT12



Picture 5 Matching network for ANT12 antenna

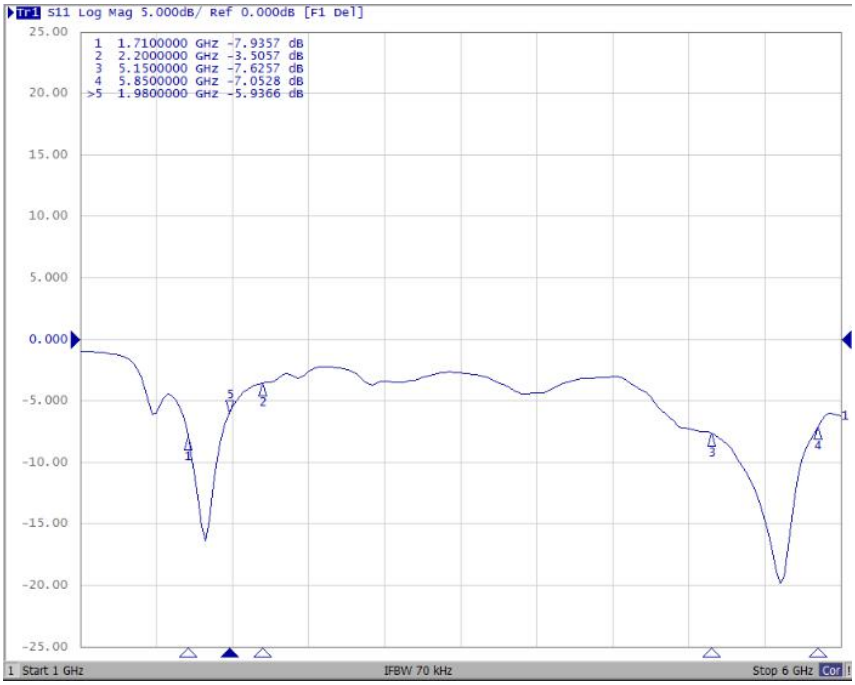
5.2.3 matching network for ANT6



Picture 6 Matching network for ANT6 antenna

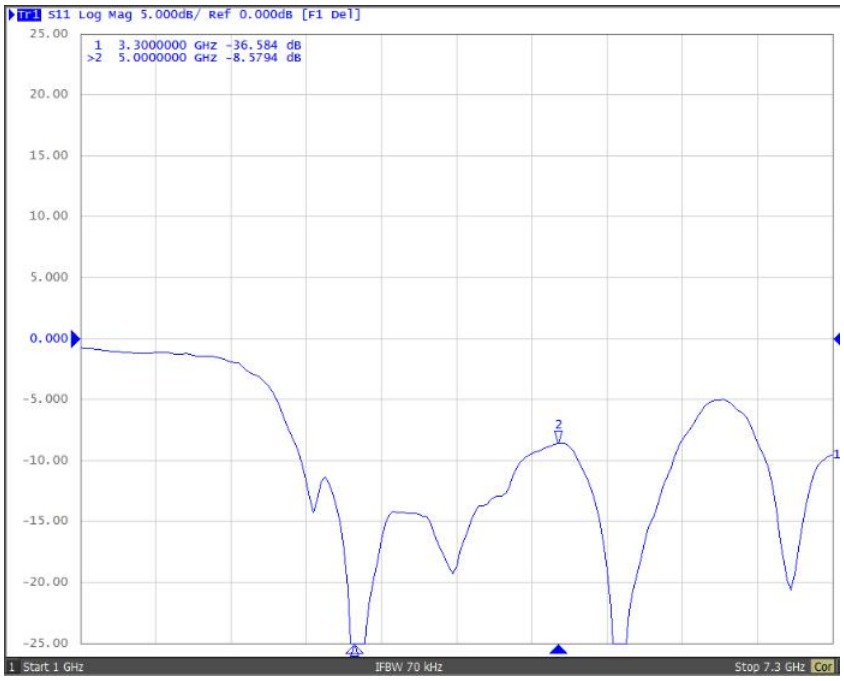
5.3 VSWR (S11)

5.3.1 VSWR for ANT2



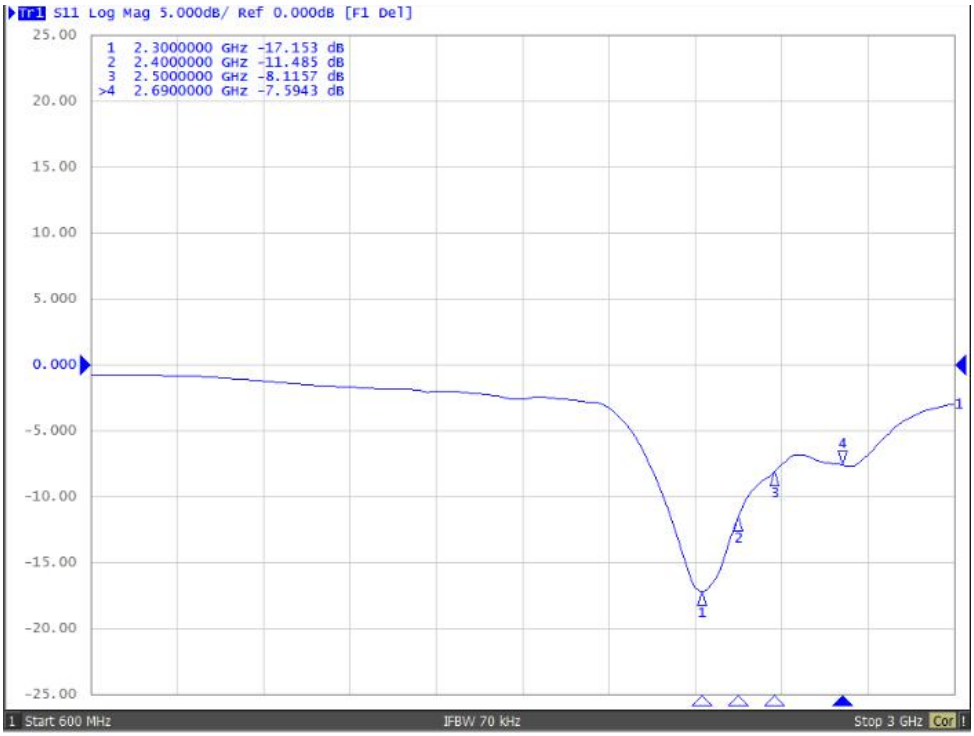
Picture 7 VSWR for ANT2

5.3.2 VSWR for ANT12



Picture 8 VSWR for ANT12

5.3.3 VSWR for ANT6



Picture 9 VSWR for ANT6

5.4 Efficiency &Peak Gain

5.4.1 Efficiency &Peak Gain for ANT2

Freq (MHz)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (dB)	Gain (dBi)
1700	-4.88	-1.57	5100	-5.41	-0.02
1720	-5	-0.34	5150	-5.01	0.62
1740	-5.15	-0.62	5200	-4.52	1.38
1760	-3.83	0.79	5250	-5.07	1.22
1780	-3.01	1.75	5300	-5.27	1.04
1800	-2.31	2.43	5350	-4.79	1.41
1820	-2.31	2.2	5400	-3.78	1.98
1840	-2.49	1.79	5450	-2.98	3.08
1860	-4.21	0.2	5500	-2.41	3.51
1880	-3.8	0.87	5550	-2.22	3.7
1900	-4.57	0.16	5600	-2.85	3.08
1920	-3.85	0.76	5650	-3.4	2.49
1940	-4.04	0.37	5700	-3.75	1.98
1960	-3.85	0.39	5750	-3.55	2.16
1980	-4.69	-0.18	5800	-3.26	2.7
2000	-5.46	-0.85	5850	-2.73	3.5
2020	-6.79	-2.7			
2040	-7.12	-2.77			
2060	-6.15	-1.63			
2080	-4.68	-0.4			
2100	-4.02	1			
2120	-3.94	1.36			
2140	-4.37	0.64			
2160	-4.69	0.02			
2180	-5.12	-0.28			
2200	-5.26	-1.1			

5.4.2 Efficiency &Peak Gain for ANT12

Freq (MHz)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (dB)	Gain (dBi)
2400	-7.91	-1.45	5100	-3.85	1.43
2410	-8.19	-1.47	5150	-4.03	1.77
2420	-8.6	-1.83	5200	-4.59	1.72
2430	-8.5	-2.32	5250	-6.14	0.47
2440	-8.23	-2.68	5300	-6.52	0.24
2450	-8.35	-2.67	5350	-6.34	0.16
2460	-8.8	-3.45	5400	-6.03	-0.03
2470	-8.96	-3.79	5450	-6.2	-0.59
2480	-9.12	-3.54	5500	-6.33	-0.61
2490	-9.23	-3.22	5550	-6.16	-0.16
2500	-9.4	-4.2	5600	-5.74	-0.14
			5650	-5.38	0.29
			5700	-5.89	-0.69
			5750	-6.33	-1.43
			5800	-6.15	-1.11
			5850	-5.2	0.42

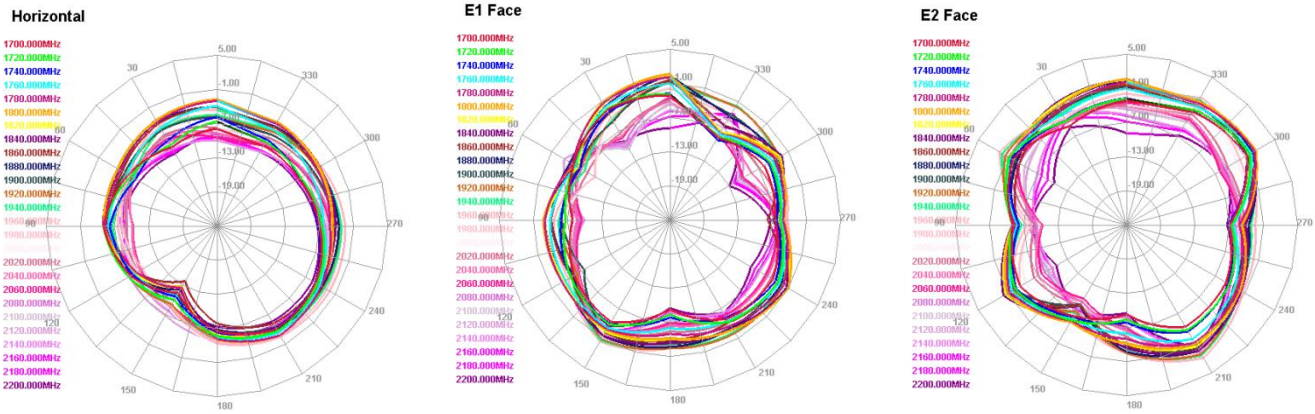
5.4.3 Efficiency &Peak Gain for ANT6

Freq (MHz)	Effi (dB)	Gain (dBi)
2300	-4.59	-0.87
2320	-4.56	-1
2340	-4.76	-1.25
2360	-4.94	-1.21
2380	-5.34	-1.25
2400	-5.55	-1.17
2420	-5.23	-0.71
2440	-5.33	-1.09
2460	-5.17	-1.14
2480	-5.19	-1.48
2500	-5.7	-2.57
2520	-5.4	-1.7
2540	-5.81	-1.87
2560	-6.72	-2.86
2580	-7.05	-3.22
2600	-6.53	-2.76
2620	-6.62	-2.48
2640	-6.84	-2.45
2660	-6.54	-1.99
2680	-6.84	-2.24
2700	-7.26	-2.91

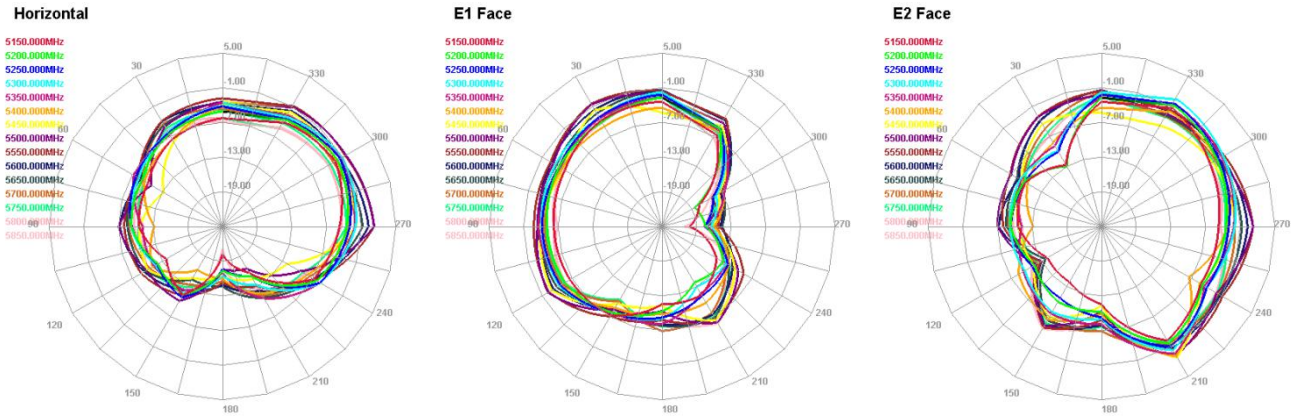
5.5 Radiation Pattern

5.5.1 Radiation Pattern for ANT2

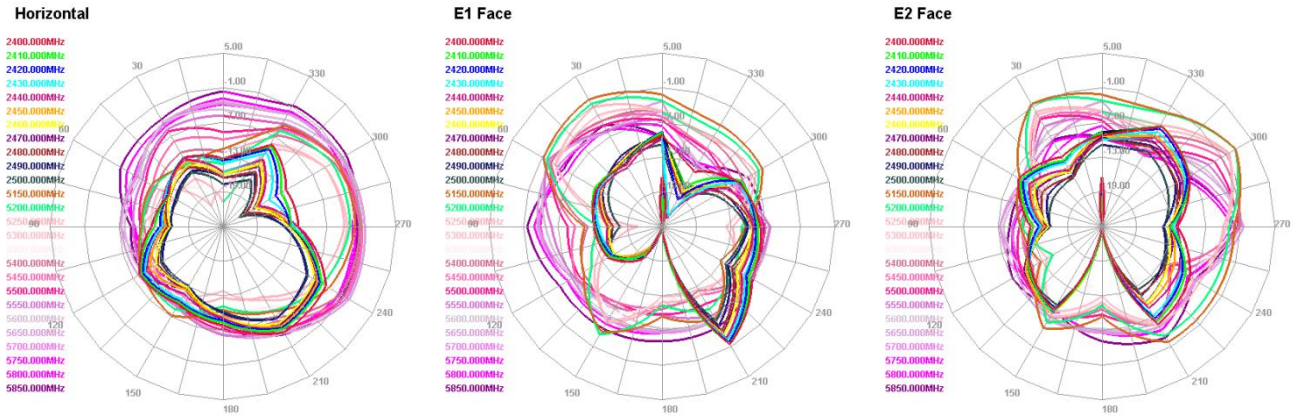
ANT2(1710-2200MHz)



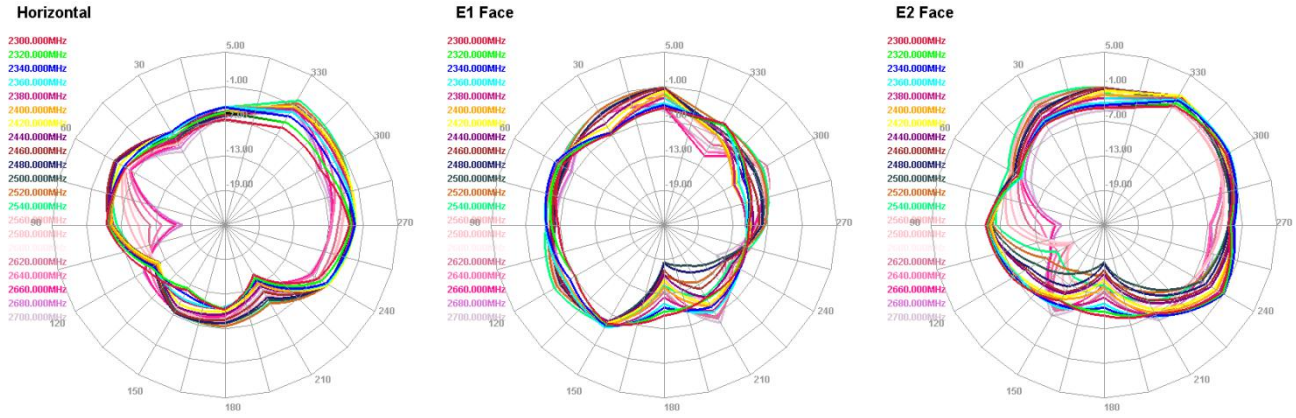
ANT2(5150-5850MHz)



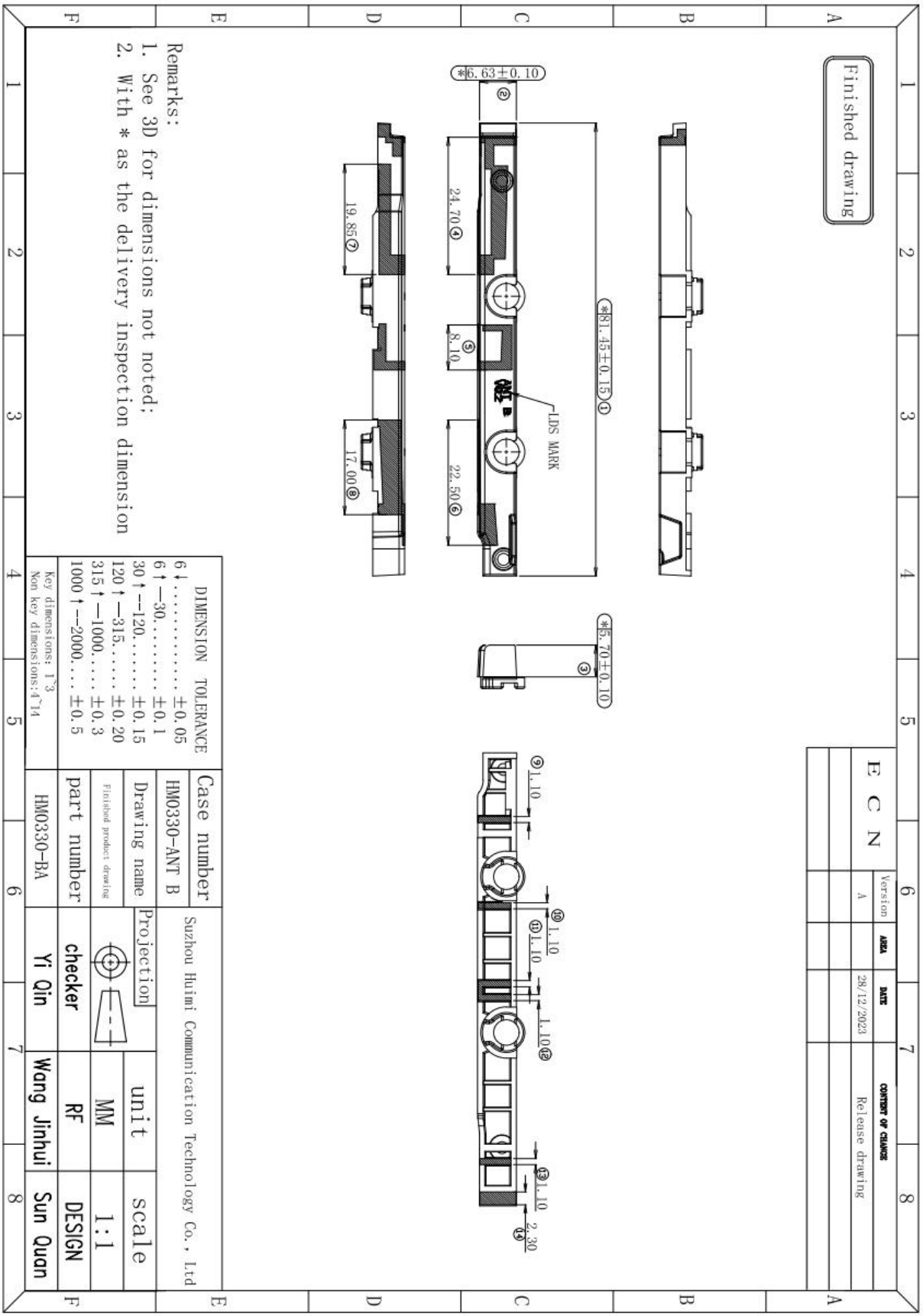
5.5.2 Radiation Pattern for ANT12



5.5.3 Radiation Pattern for ANT6



6. Mechanical Drawings



7. Dimension Report

Suzhou Huimi Communication Technology Co., Ltd
Dimensional inspection report

客户			Point Mobile			产品名称		PM95		图纸版本号		A	
我司案号			HM0330			天线名称		ANT B-LDS		测里日期		2023-12-28	
序号	尺寸性质	尺寸	公差		测里工具							OK/NG	备注
			上限	下限		1	2	3	4	5			
1	★	81.45	0.15	0.15		81.49	81.47	81.50	81.47	81.47		OK	
2	★	6.63	0.10	0.10		6.62	6.61	6.63	6.62	6.62		OK	
3	★	5.70	0.10	0.10		5.75	5.74	5.74	5.76	5.74		OK	
4		24.70	0.10	0.10		24.75	24.73	24.75	24.74	24.72		OK	
5		8.10	0.10	0.10		8.12	8.11	8.10	8.10	8.12		OK	
6		22.50	0.10	0.10		22.54	22.54	22.52	22.50	22.51		OK	
7		19.85	0.10	0.10		19.81	19.84	19.82	19.85	19.84		OK	
8		17.00	0.10	0.10		17.05	17.02	17.03	17.02	17.02		OK	
9		1.10	0.10	0.10		1.11	1.11	1.14	1.13	1.12		OK	
10		1.10	0.10	0.10		1.12	1.12	1.13	1.10	1.11		OK	
11		1.10	0.10	0.10		1.11	1.12	1.12	1.13	1.10		OK	
12		1.10	0.10	0.10		1.10	1.10	1.12	1.14	1.11		OK	
13		1.10	0.10	0.10		1.11	1.12	1.12	1.14	1.10		OK	
14		2.30	0.10	0.10		2.33	2.31	2.34	2.32	2.32		OK	