

客户承认书

SPECIFICATION FOR APPROVAL

CUSTOMER/PROJECT 客户/机型: LANDI P10-C

CUSTOMER P.N./ 客户物料号: _____

PRODUCT NAME./ 物料名称: DRX and BWG Antenna

MODEL NO./ 物料型号: 5U086C-36

SPECIFICATION/ 物料规格: _____

VERSION 版本	DATE 日期	REVISION DESCRIPTION 修订说明
T:A	2025-09-25	新建/newly added

SUPPLIER AUTHORIZED SIGNATURE/供应商承认签核		
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项目 /Project		质量 /Quality	

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1 名词解释/Noun explanation

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dBi	Decibel relative isotropic antenna
Tx	Transmit frequency
Rx	Receive frequency
TRP	Total Radiated Power
TIS	Total Isotropic Sensitivity
VSWR	Voltage Standing Wave Ratio
GSM	Global Service for Mobile communication
DCS	Digital Communication System
CDMA	Code Division Multiple Access
WCDMA	Wideband Code Division Multiple Access

2 测试设备/Test equipment

矢量网络分析仪/ network analyzer

综合测试仪/ CMW 500

GTS 暗室/ GTS darkroom

3 适用频段/Working frequency band

将适用的频段用其他颜色标出/ The yellow Identification is the using band

制式/Standard	上行	下行
GPS	1560MHZ~1580MHZ	1560MHZ~1580MHZ
WIFI (2. 4G/5G)	2400MHZ~5850MHZ	2400MHZ~5850MHZ
LTE	700MHZ ~2690MHZ	700MHZ ~2690MHZ

4 基本测试项目/Test project

4.1 驻波比图/VSWR plot

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4.2 史密斯阻抗图/Simth plot

4.3 辐射方向图/Radiation pattern

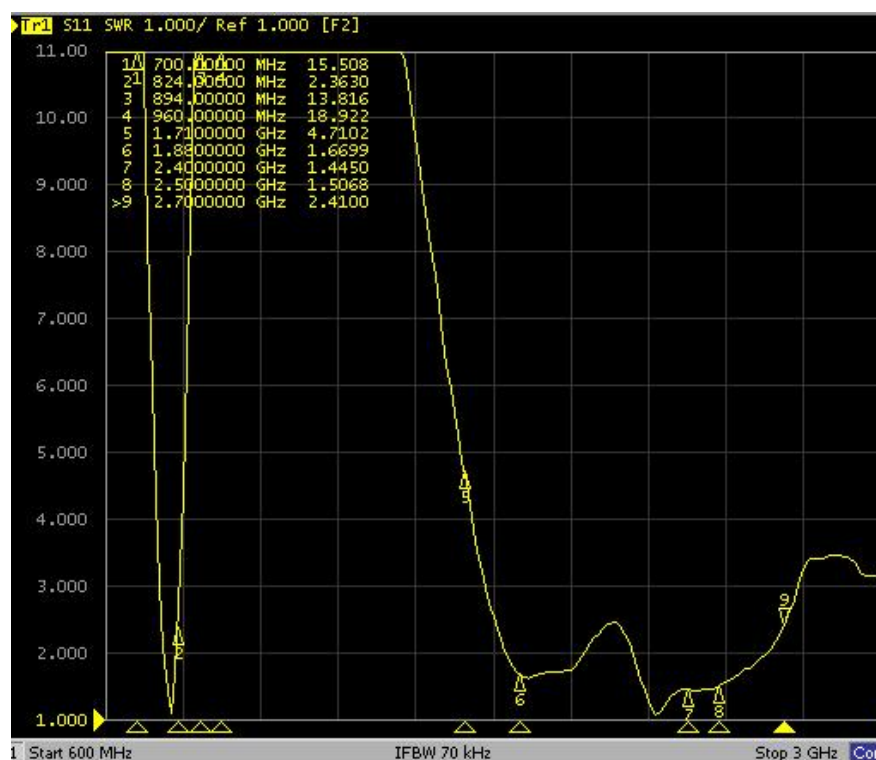
4.4 增益和效率/Gain & Efficiency

4.5 TRP&TIS

5 测试指标和数据图表/Antenna parameter

5.1 驻波比/VSWR (DRX Antenna)

5.1.1 驻波比图/VSWR plot

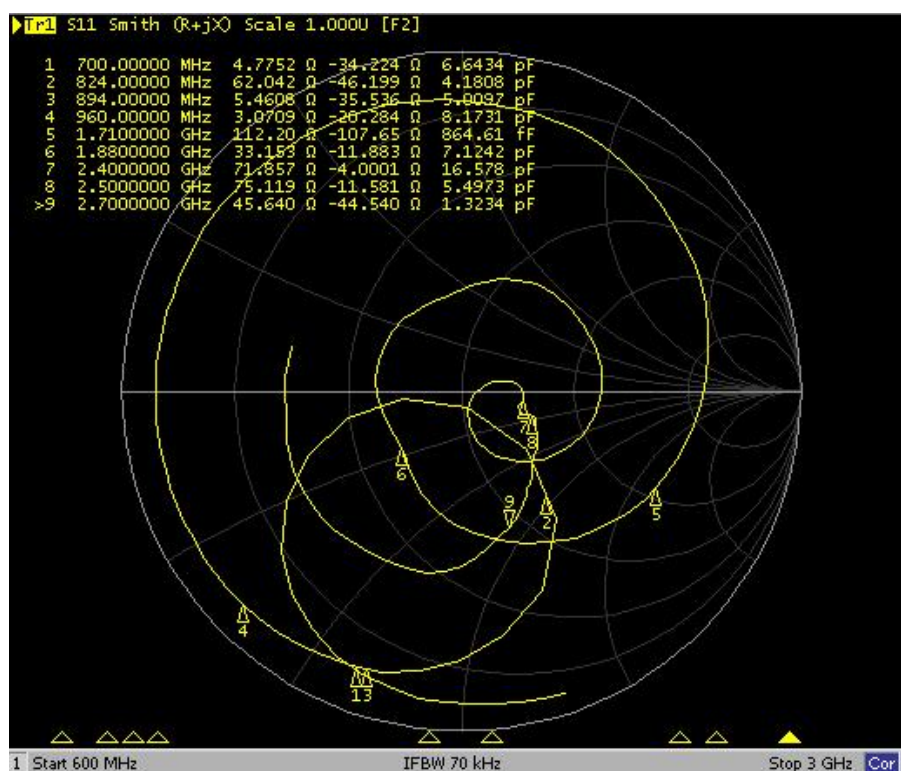


5.1.2 驻波比数据/VSWR data

Freq/MHz	700	820	960	1710	1880	2400	2690
VSWR	15.5	2.3	18.9	4.7	1.6	1.4	2.4

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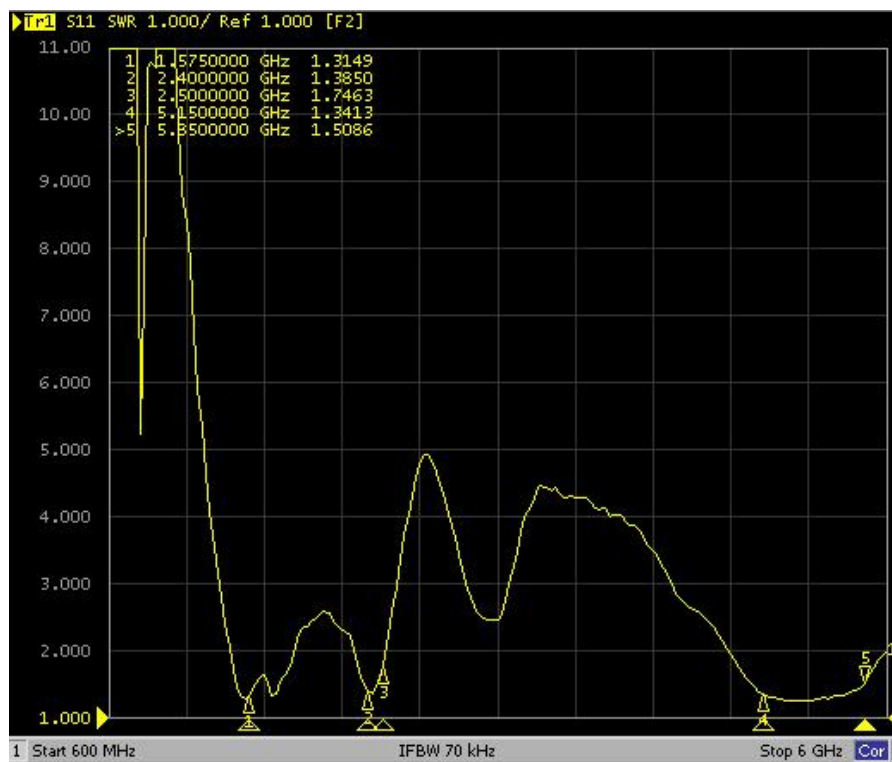
史密斯阻抗圆图/Smith impedance circle diagram



5.2 驻波比/VSWR (GPS and WIFI Antenna)

5.2.1 驻波比图/VSWR plot

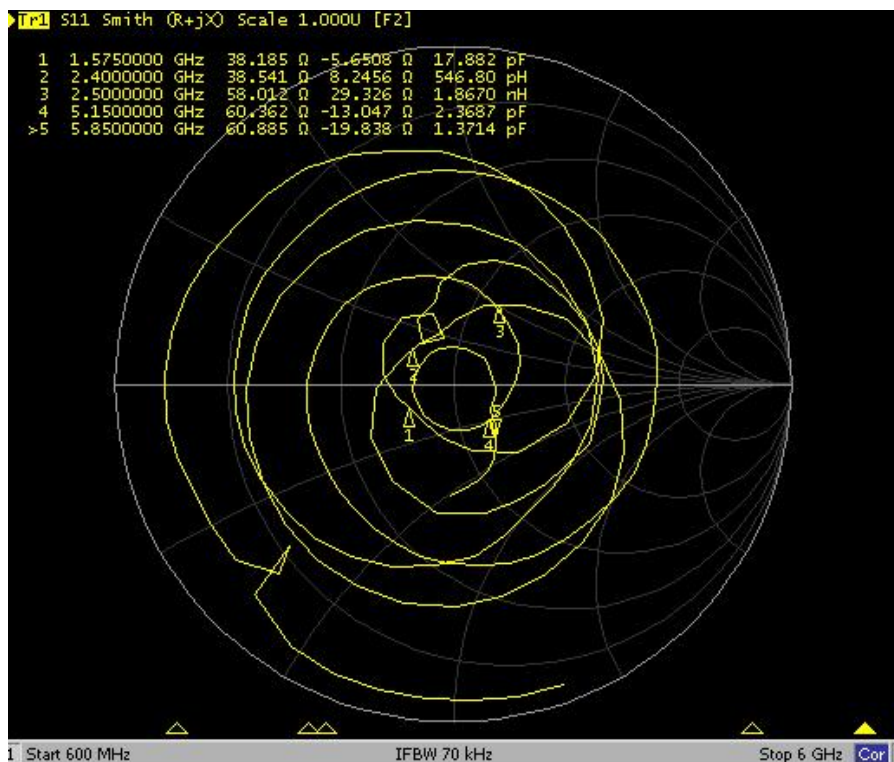
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5.2.2 驻波比数据/VSWR data

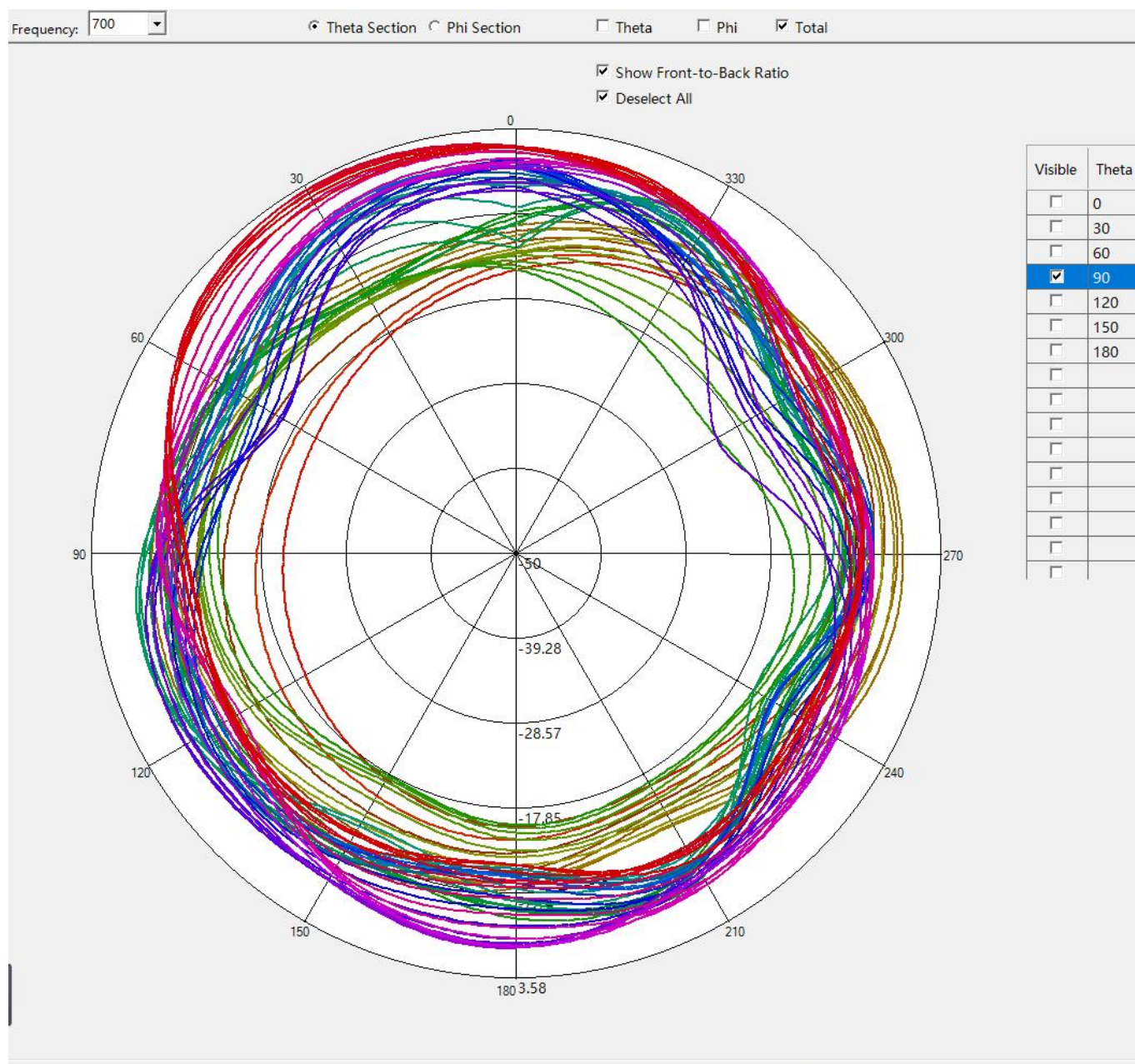
Freq/MHz	1575	2400	2500	5150	5850
VSWR	1.3	1.3	1.7	1.3	1.5

史密斯阻抗圆图/Smith impedance circle diagram



5.3 辐射方向图/Radiation pattern (DRX Antenna)

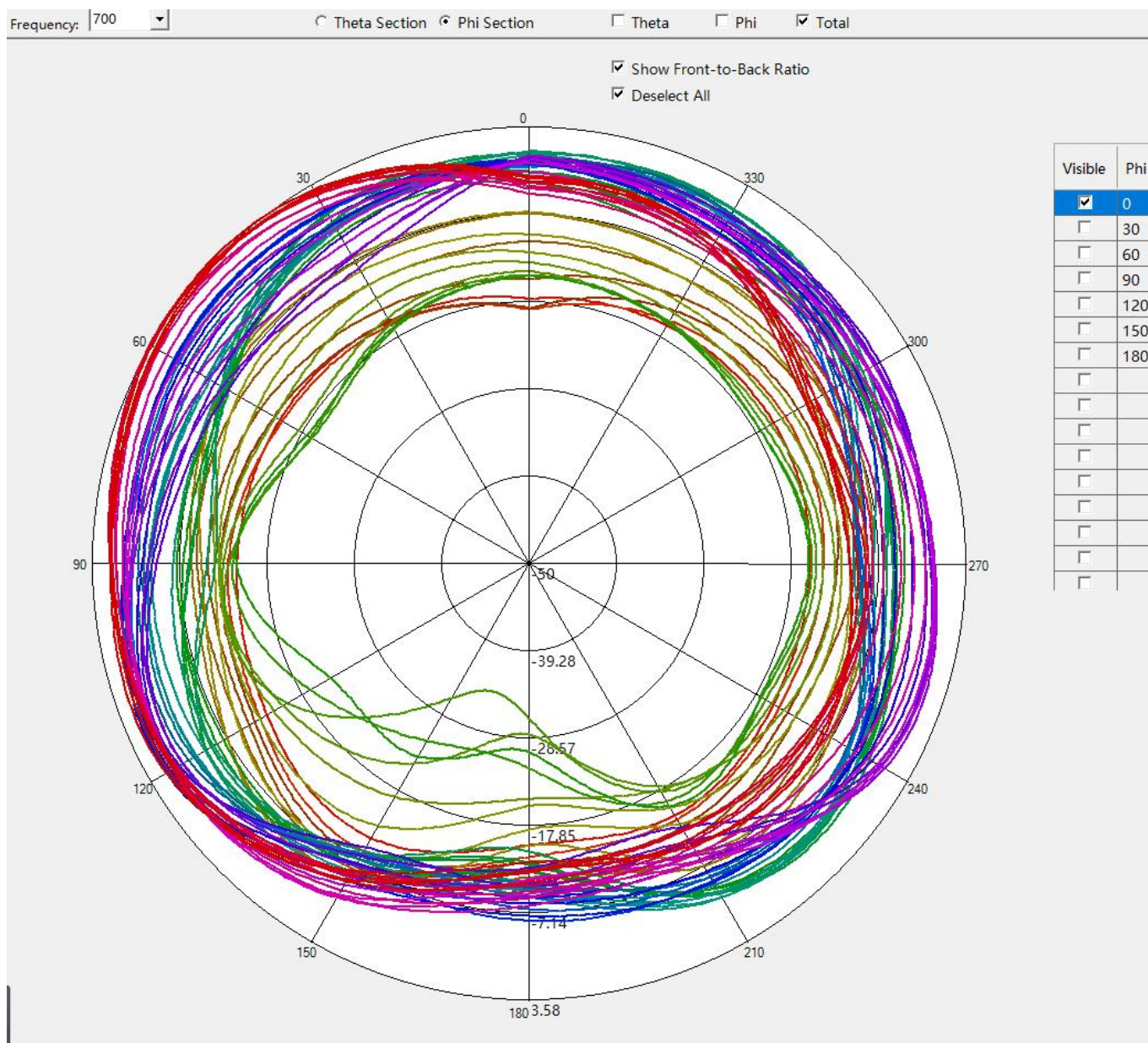
5.3.1H-plane



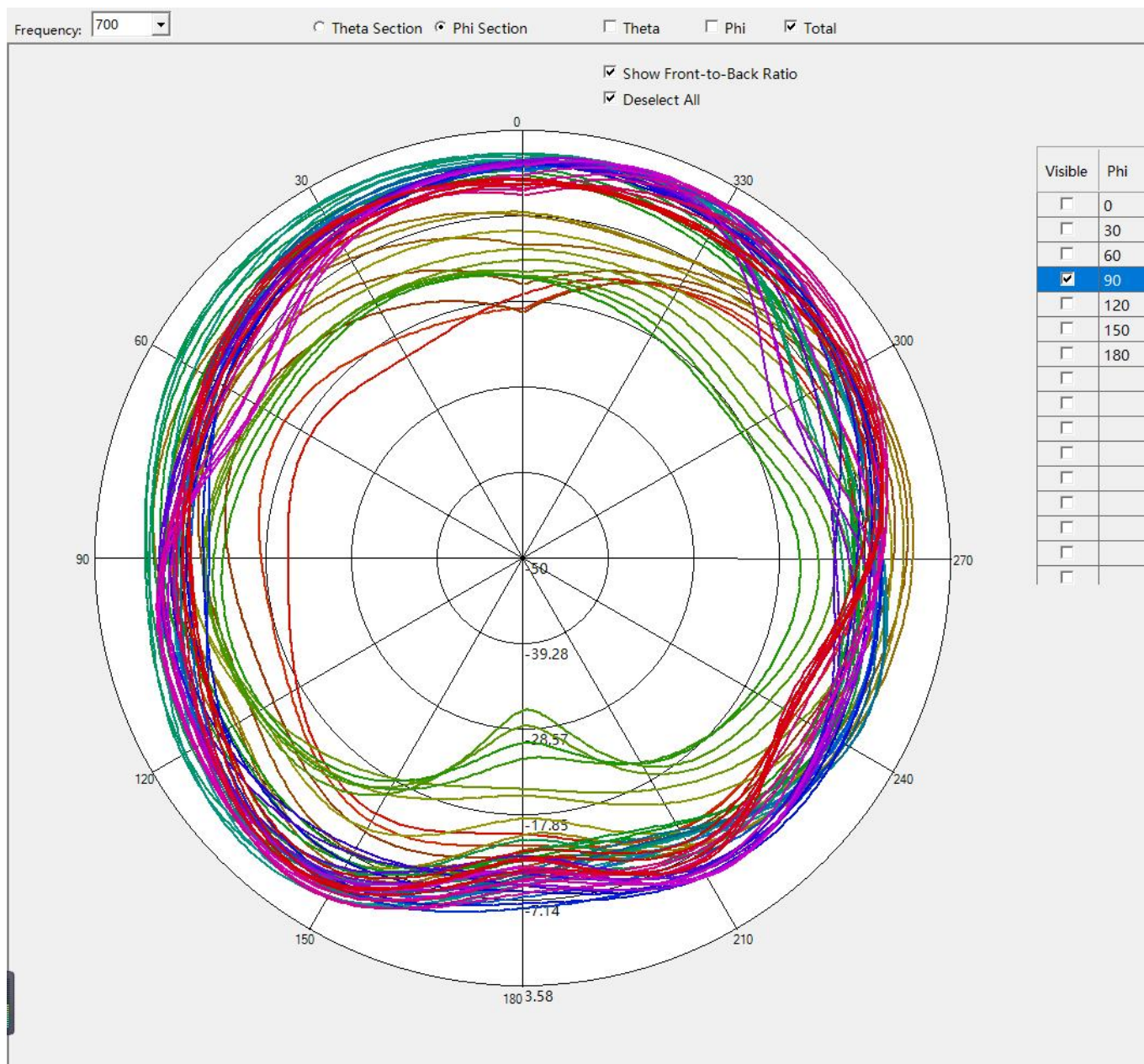
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5.3.2E-plane

E1

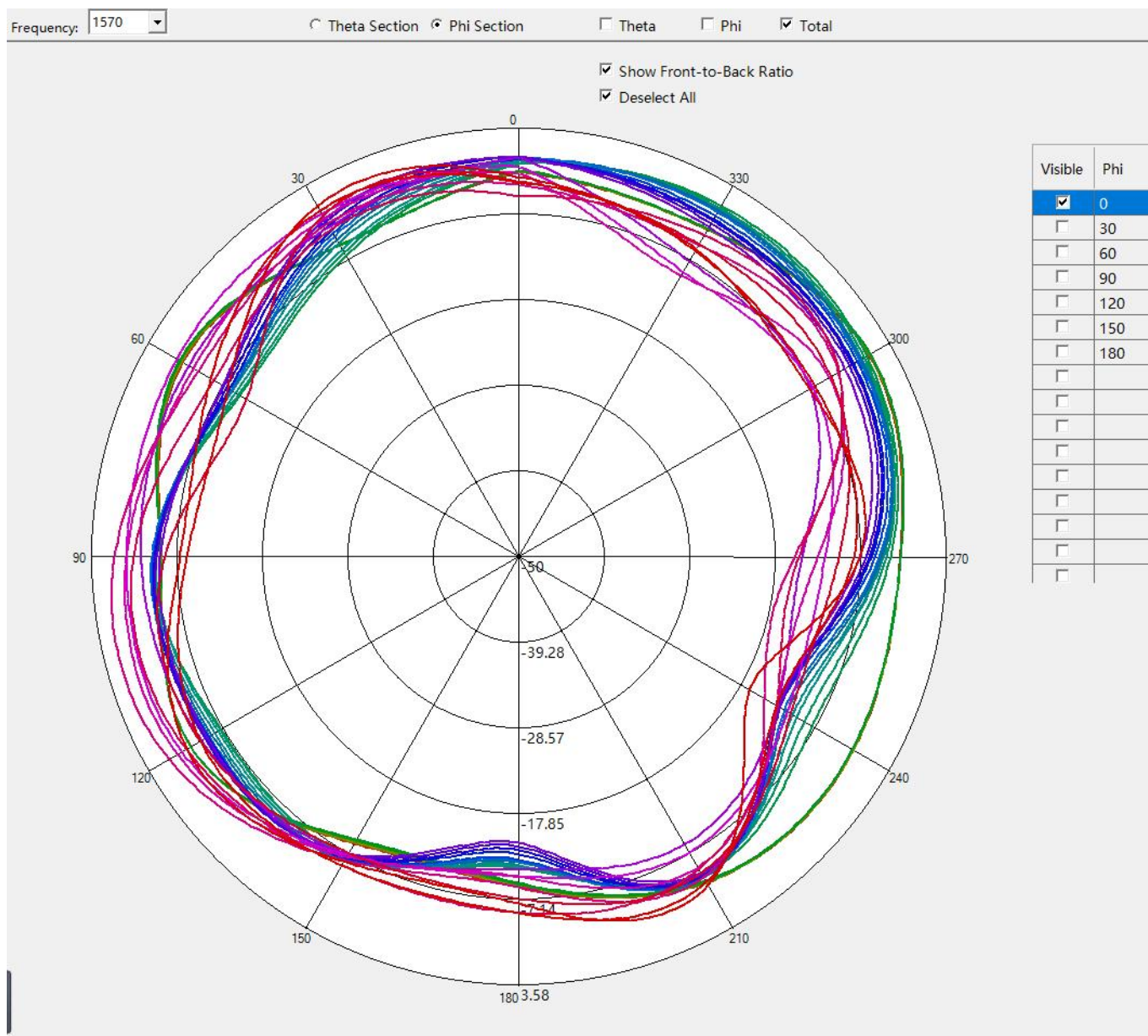


E2

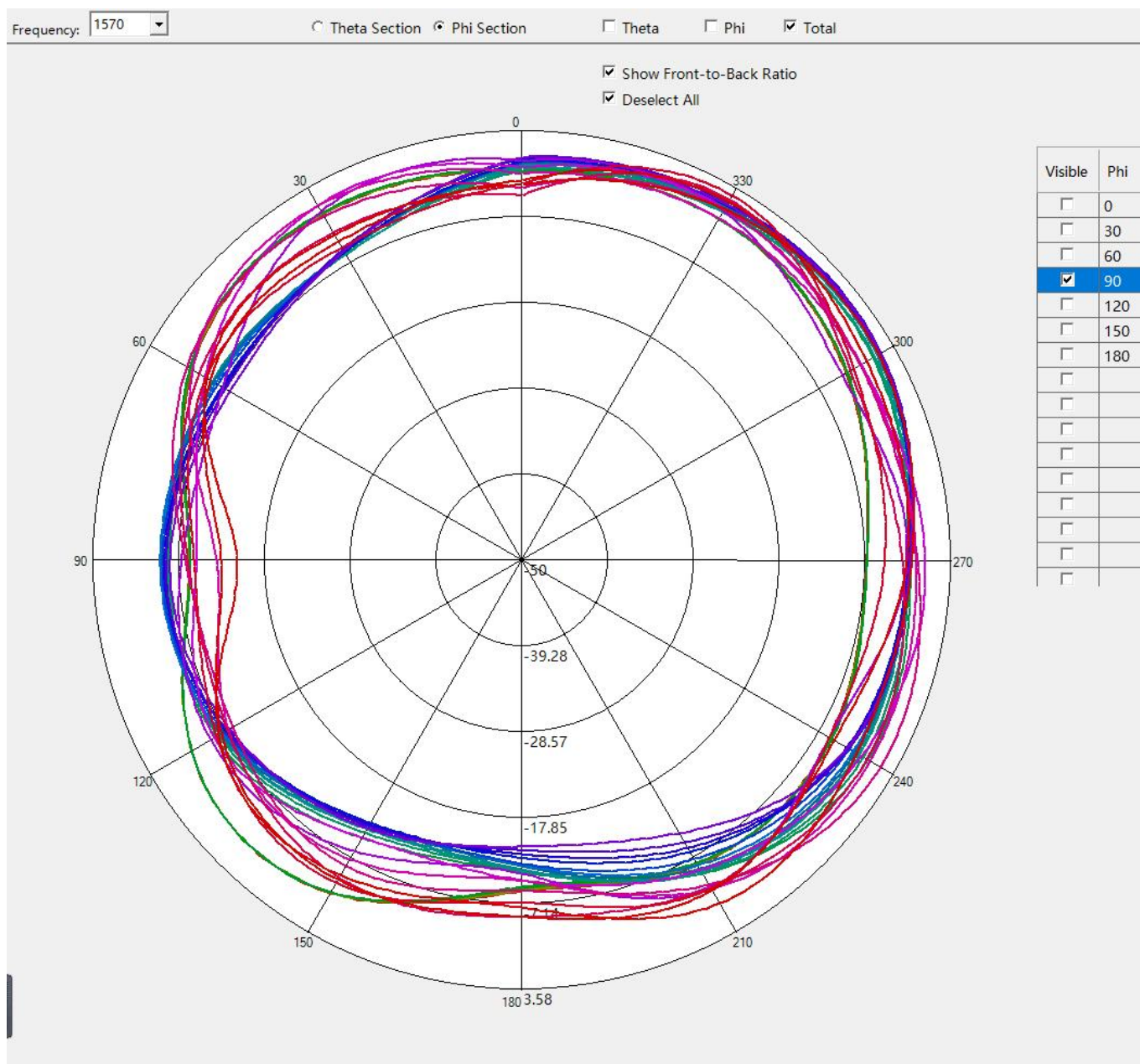


5.4.2E-plane

E1



E2



5.5 增益和效率/Gain & Efficiency

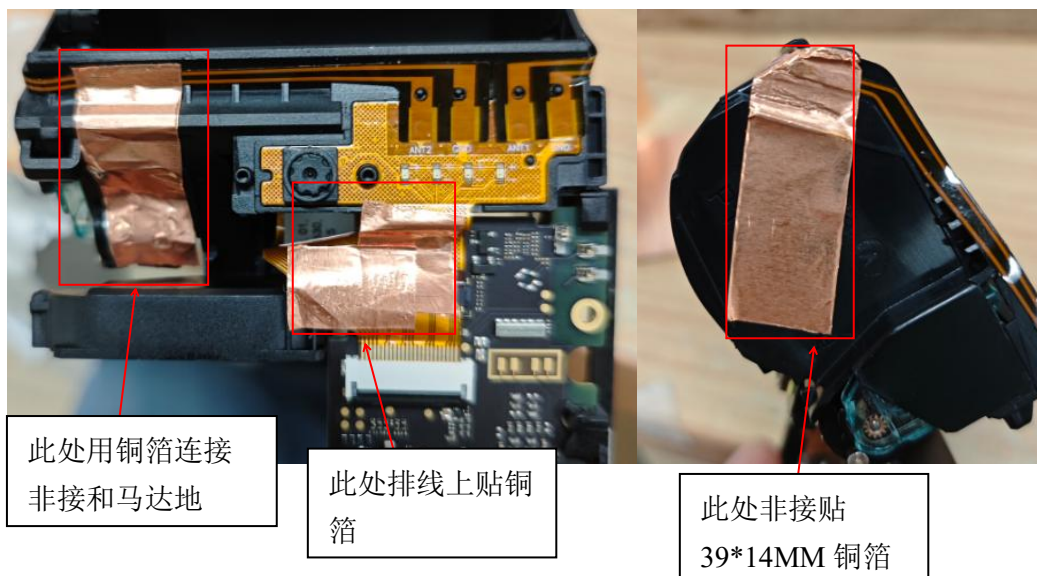
DRX Antenna

Freq (MHZ)	Eff (%)	GAI (dBi)		Freq (MHZ)	Eff (%)	GAIN (dBi)		Freq (MHZ)	Eff (%)	GAIN (dBi)
700	5.87	-6.90		1710	25.47	-1.79		2300	40.93	0.20
720	6.13	-6.45		1750	29.03	-1.30		2330	46.24	0.47
740	8.61	-5.02		1790	31.87	-0.72		2370	46.56	0.31
760	12.77	-3.62		1830	38.65	0.07		2400	50.83	0.54
780	20.18	-1.94		1870	42.49	0.86		2450	50.50	1.09
800	27.92	-1.20		1900	41.92	1.24		2480	51.56	1.35
820	22.27	-2.33		1930	43.72	1.34		2510	54.08	2.50
840	13.72	-3.81		1960	45.47	1.01		2540	50.83	2.90
860	8.23	-5.63		1990	45.08	1.01		2570	56.26	3.72
880	6.34	-7.00		2100	42.83	1.08		2600	56.40	3.96
900	4.86	-8.22		2130	43.46	0.73		2630	55.16	3.72
920	4.25	-9.36		2160	44.38	0.88		2660	53.94	3.60
940	3.76	-10.25						2690	47.76	2.74
960	3.44	-10.34								

GPS and WIFI Antenna

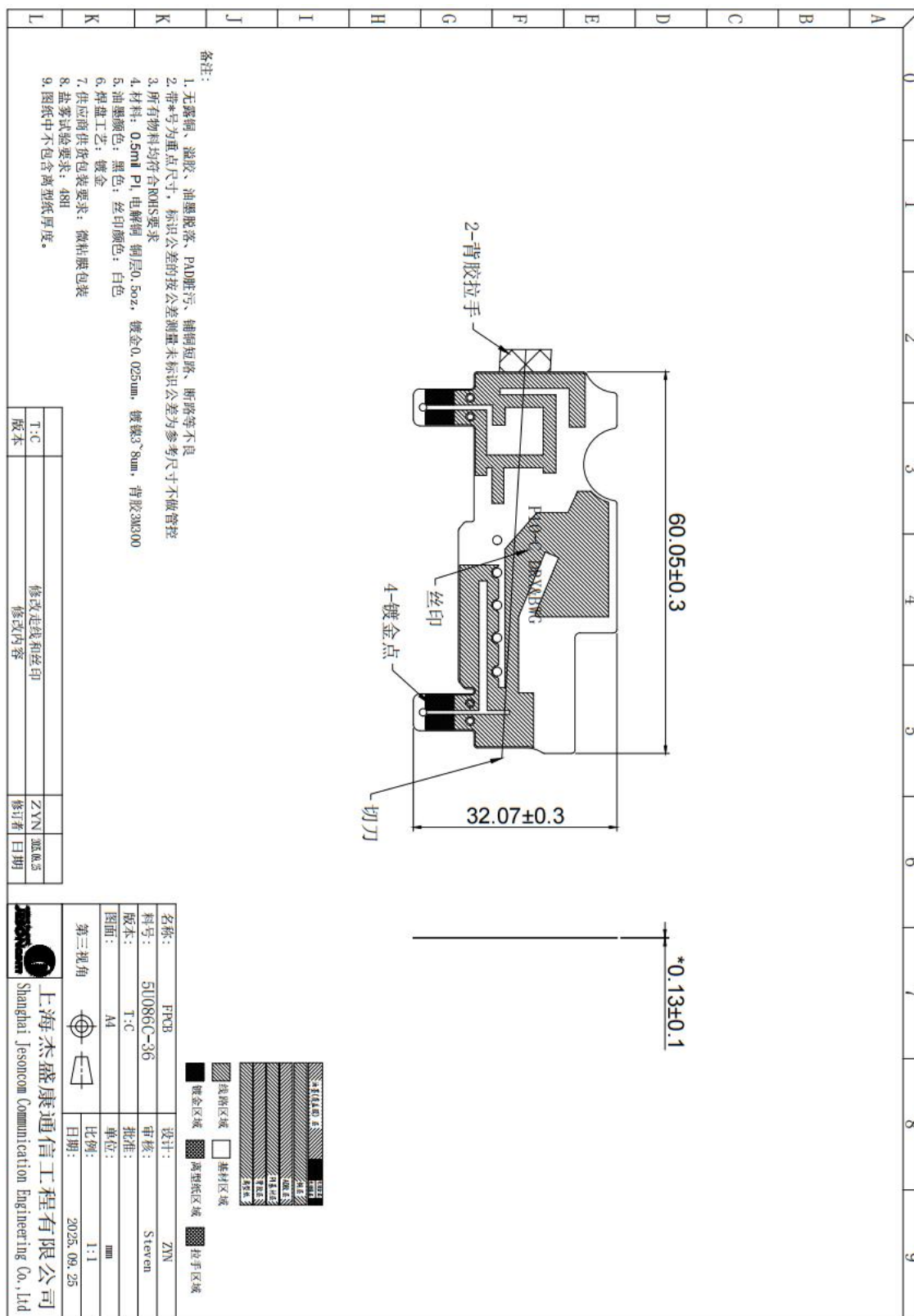
Freq (MHZ)	Eff (%)	GAIN (DB i)		Freq (MHZ)	Eff (%)	GAIN (DB i)		Freq (MHZ)	Eff (%)	GAIN (DB i)
1570	53.85	0.76		2400	48.07	2.26		5150	43.13	3.50
1571	54.06	0.81		2410	45.67	1.79		5250	49.53	2.88
1572	54.24	0.87		2420	44.11	1.50		5350	47.57	1.56
1573	54.33	0.91		2430	45.91	1.76		5450	51.28	1.71
1574	54.37	0.95		2440	46.50	1.79		5550	42.54	1.96
1575	54.37	0.98		2450	46.35	1.78		5650	44.17	2.56
1576	54.31	1.00		2460	44.54	1.98		5750	46.88	2.69
1577	54.30	1.02		2470	42.72	2.08		5850	49.32	3.25
1578	54.24	1.03		2480	44.18	2.69				
1579	54.13	1.04		2490	44.65	2.94				
1580	53.98	1.05		2500	42.13	3.00				

6 环境处理建议/Environmental treatment suggestions



7 阻抗匹配要求/Impedance matching

8 天线外形图/Antenna plan



9 天线安装指导/Antenna installation guide

9.1 天线安装及馈线走线说明/Antenna installation instructions

10 其他/Other