

天线产品规格承认书

ANTENNA SPECIFICATION FOR APPROVAL

客户 CUSTOMER : /

客户方料号 CUSTOMER NO : WT01-S0058

品名 PART NAME : 5.8GHz 接收机全向天线

供货方料号 SUPPLIER : CD-HD-03

送样日期 DATE: 2024-5-6 送样数量 QTY : 3Pcs

承认书包括以下项目

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客户确认 CUSTOMER APPROVED BY

APPROVAL	CHIEF	SUPERVISOR

供货方确认 SUPPLIER SIGNATURE BY

APPROVAL	CHECK	DESIGN

天线规格 Specification

电器参数 Electrical Properties	
频率 Frequency	5650MHz-5950MHz
输入阻抗 Impedance	50 Ω
驻波比 S. W. R	≤ 1.5
回波损耗 Return Loss	详见 S 参数测试 See S Parameter
辐射方式 Radiation	全指向性 Omnidirectional
增益 Gain	2.4dBi (AVG)
极化方式 Polarization	左旋圆极化 LHCP

结构参数 Physical Properties	
天线材质 Antenna material	基体 尼龙/线路 铜镀金 PA/Cu/Ag
外壳材质 Cover material	PC/ABS
同轴电缆 Cable	连接器直连无电缆 N/A
连接器 Connector	RP-SMA
尺寸 Size	详见工程图
重量 Weight	4.2g
包装 Packing	袋装（工程包装）

CUSTOMER		卡德克斯技术（深圳）有限公司		RoHS Compliant		REV.		DESCRIPTION		DATE	
PART NO		WT01-S0058				A		首次发行		2022-11-18	
						A		物料编号变更		2024-5-6	
15.4mm±0.1 25mm±0.2 10.5mm±0.1 1											

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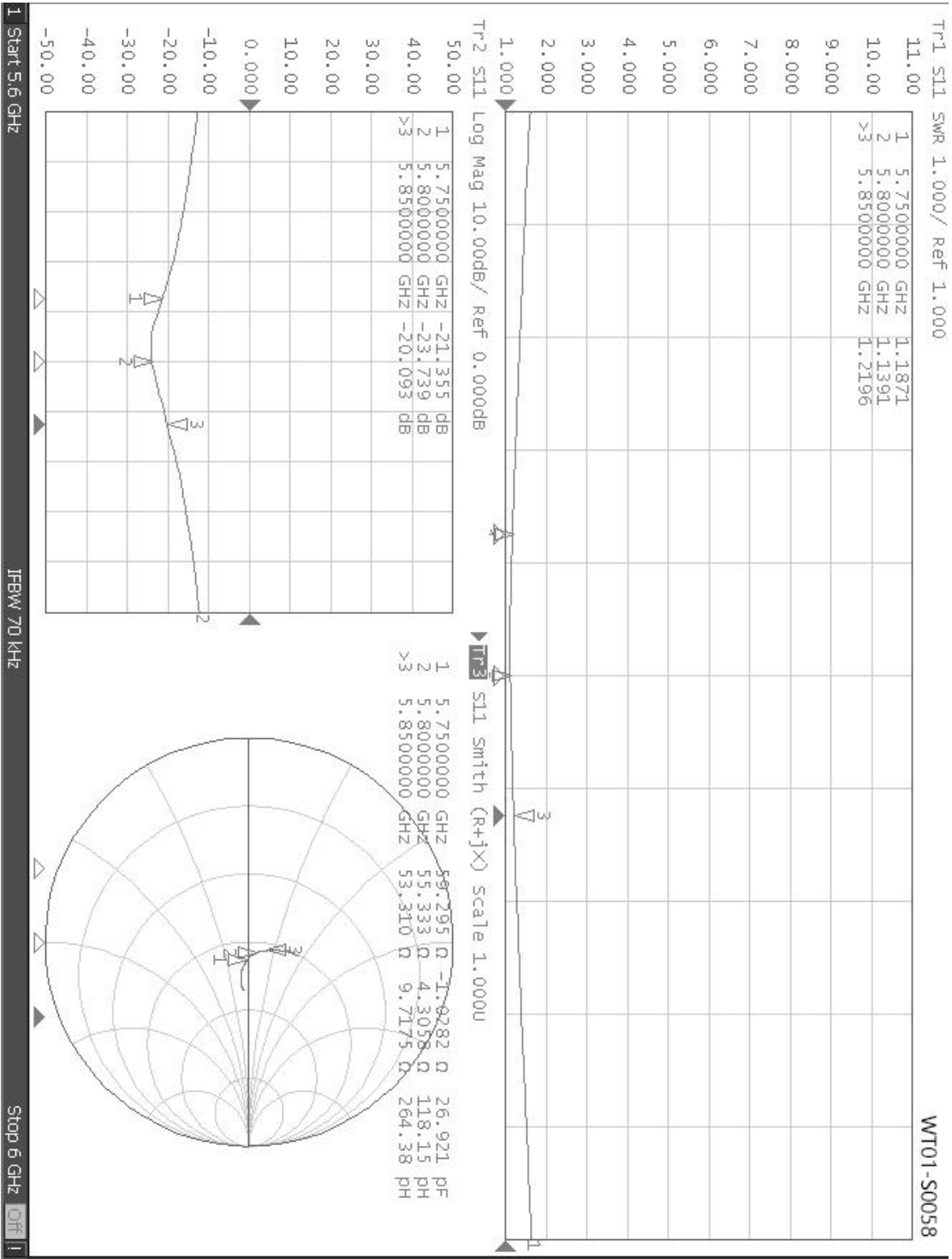
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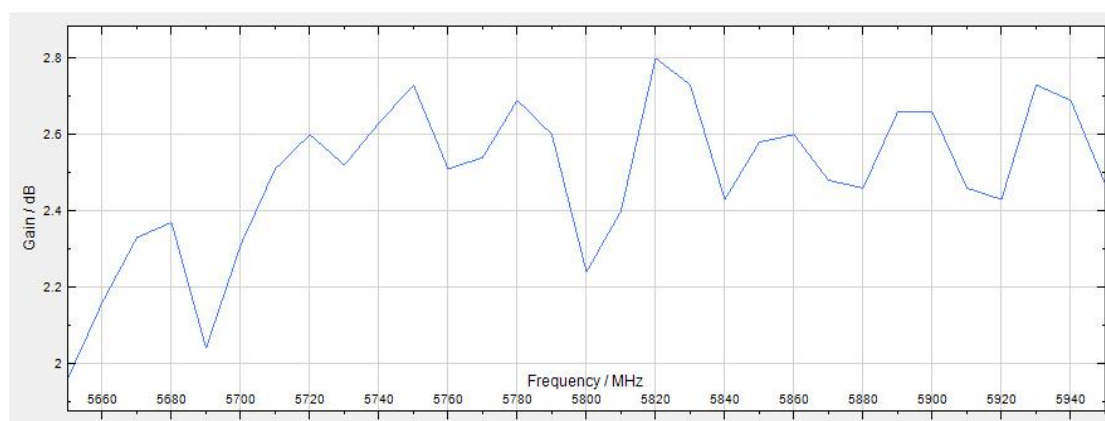
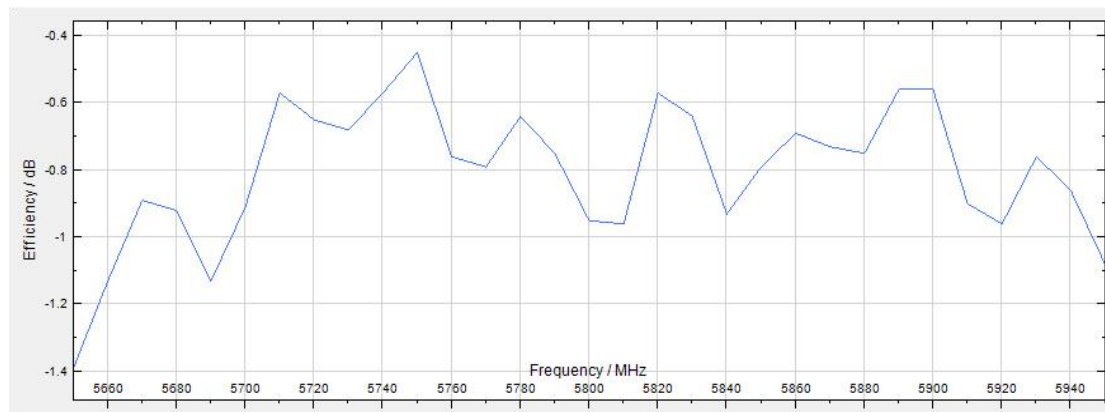
S 参数测试 S Parameter



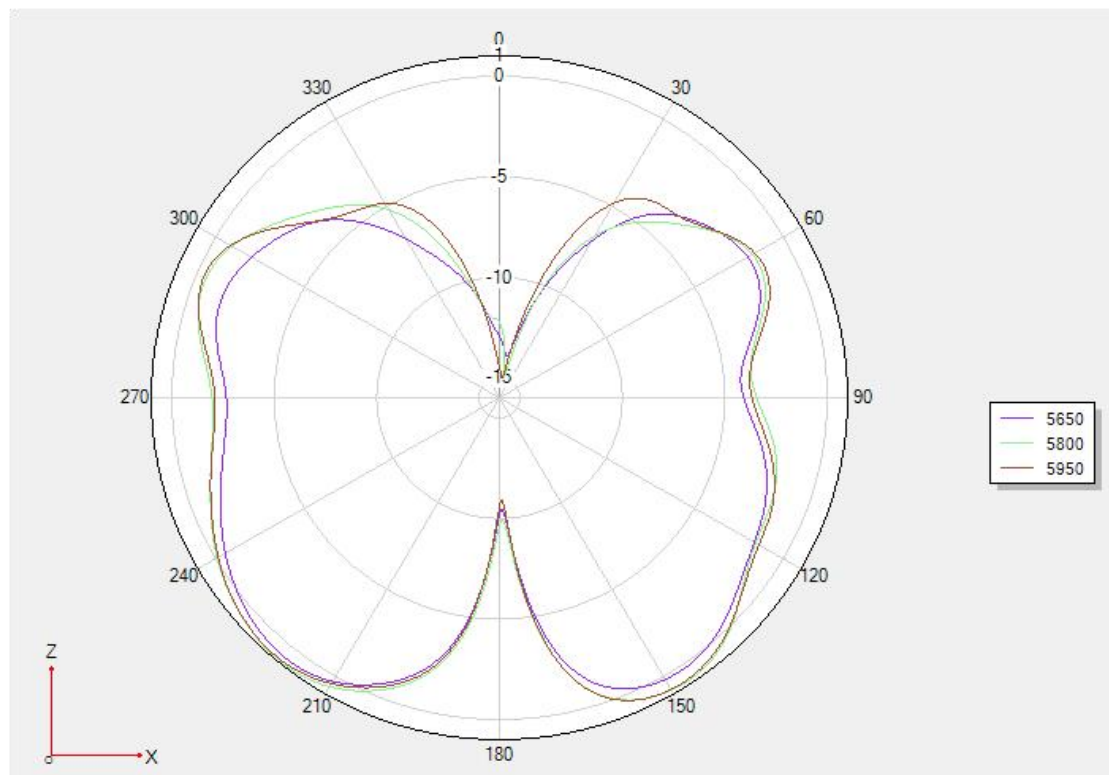
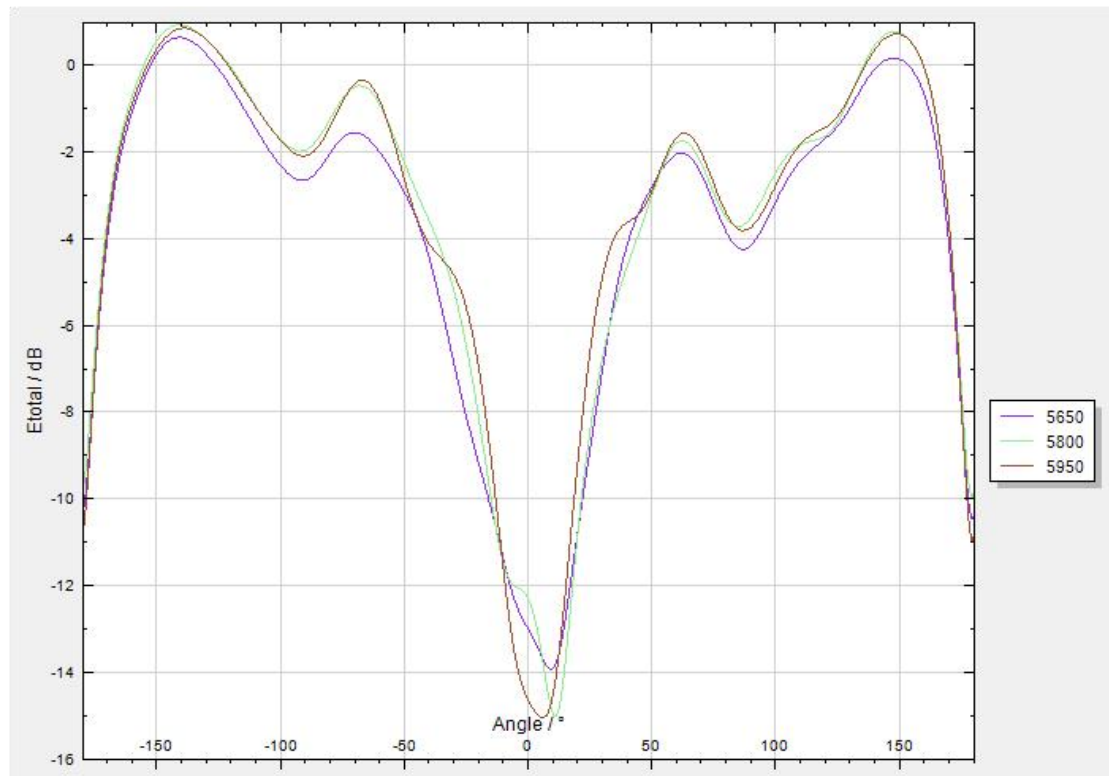
暗室测试

Antenna Passive Test

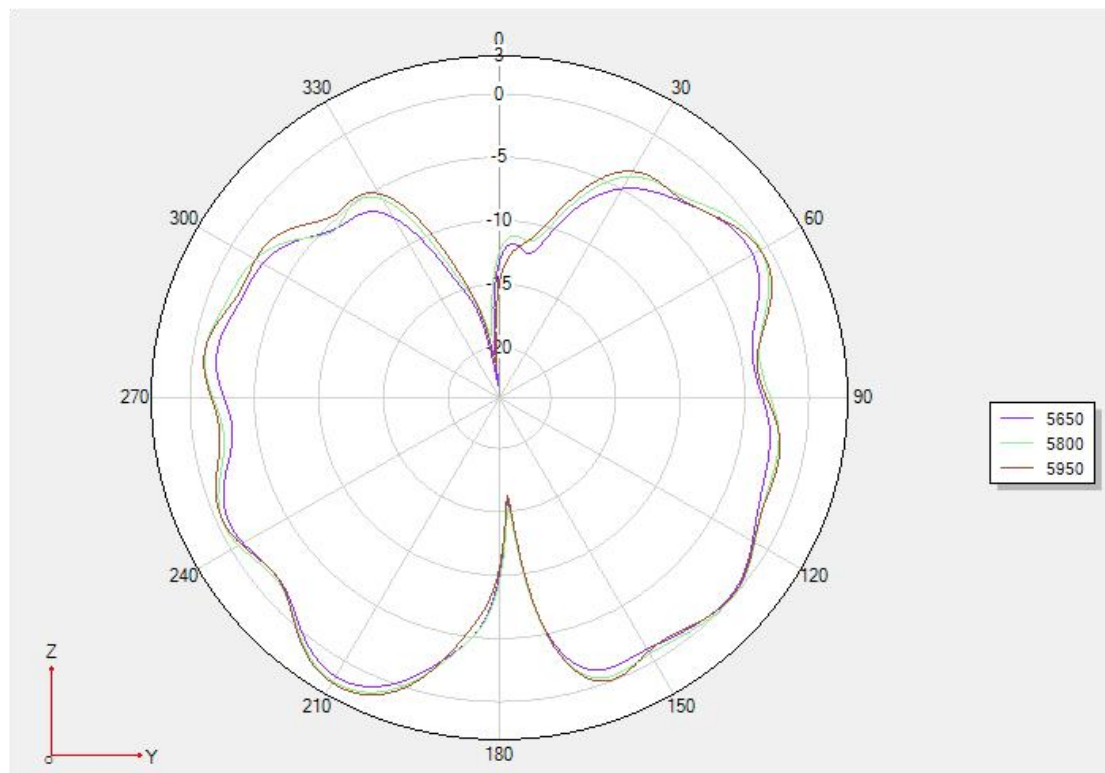
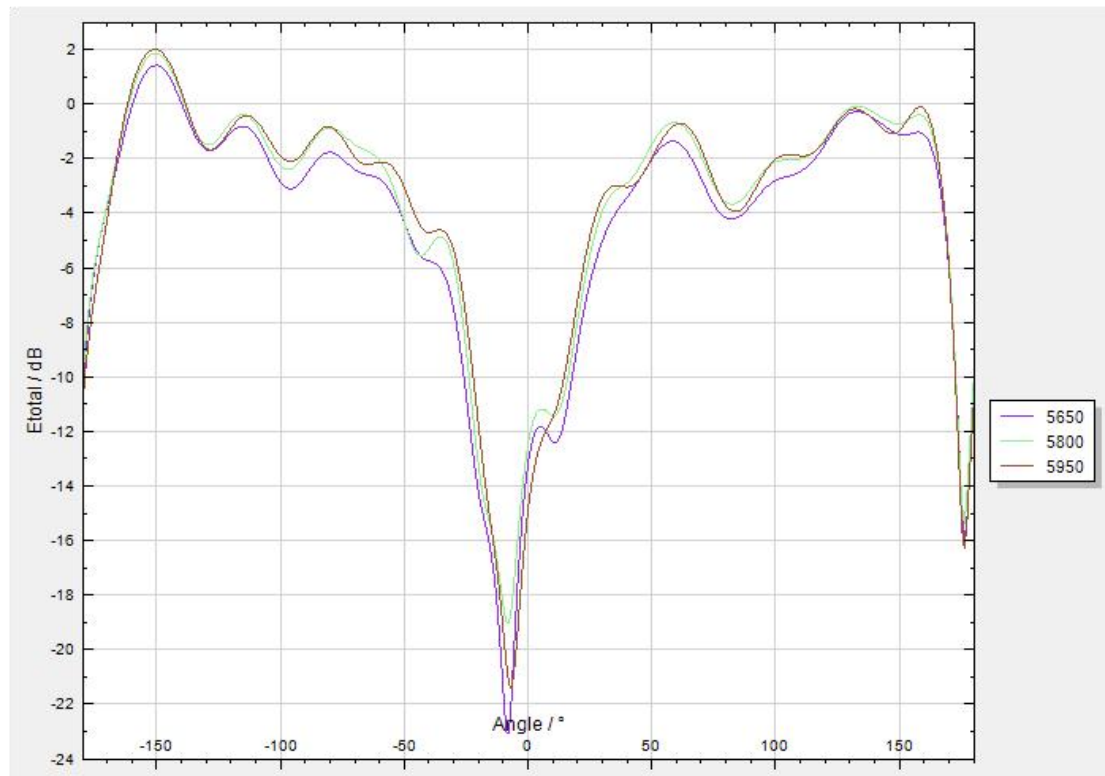
Efficiency			Gain	
Frequency / MHz	Efficiency / dB	Efficiency / %	Frequency / MHz	Gain/ dB
5650	-1.39	72.81	5650	1.96
5700	-0.91	81.1	5700	2.31
5750	-0.45	90.16	5750	2.73
5800	-0.95	80.35	5800	2.24
5850	-0.79	83.37	5850	2.58
5900	-0.58	87.9	5900	2.66
5950	-1.08	77.98	5950	2.47



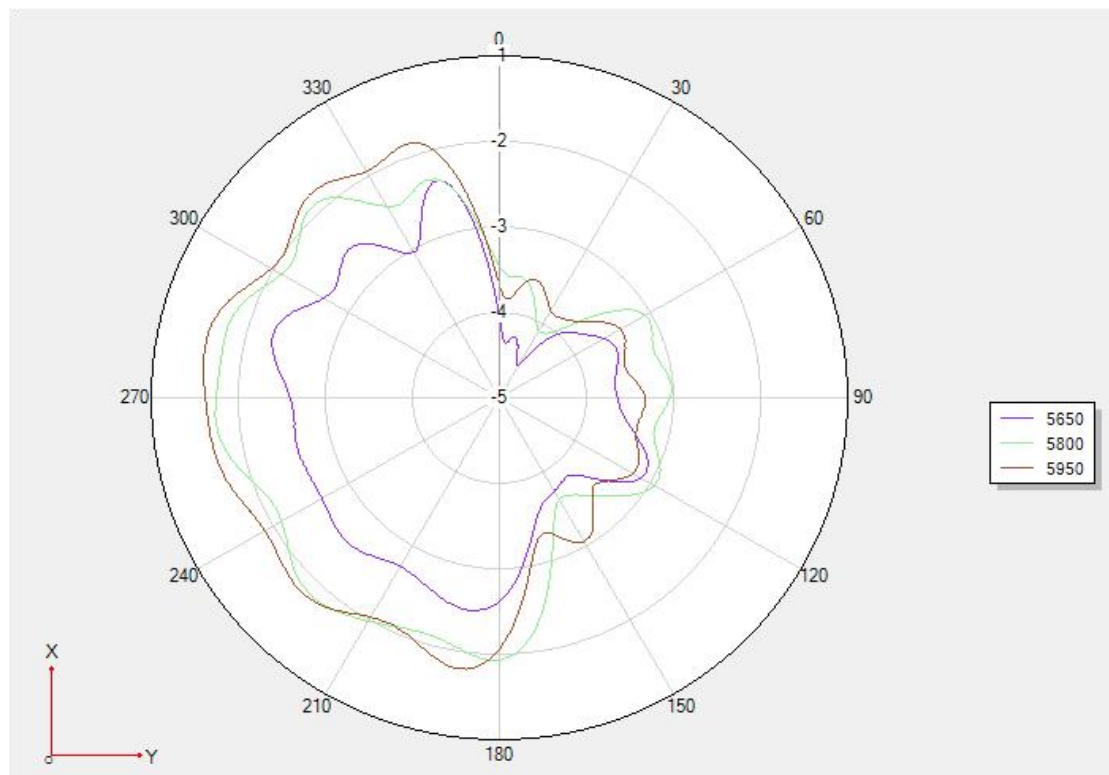
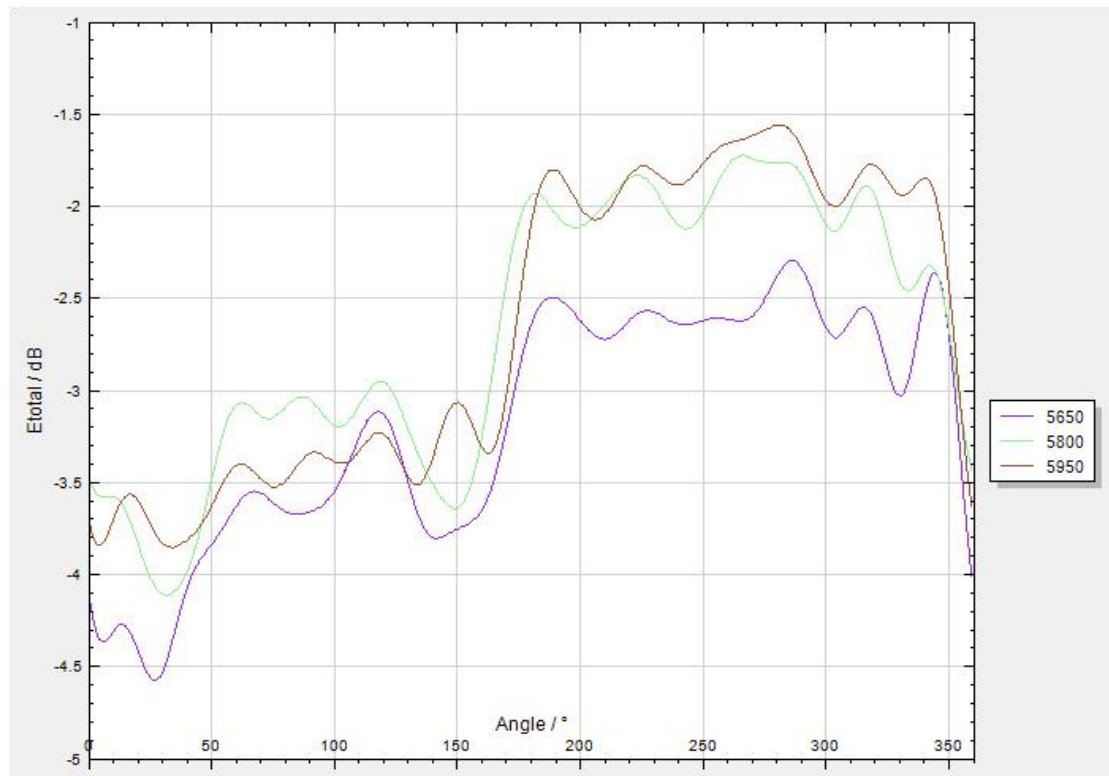
Phi 0 @2D



Phi 90 @ 2D



Theta 90 @ 2D



3D @ 5800MHz

