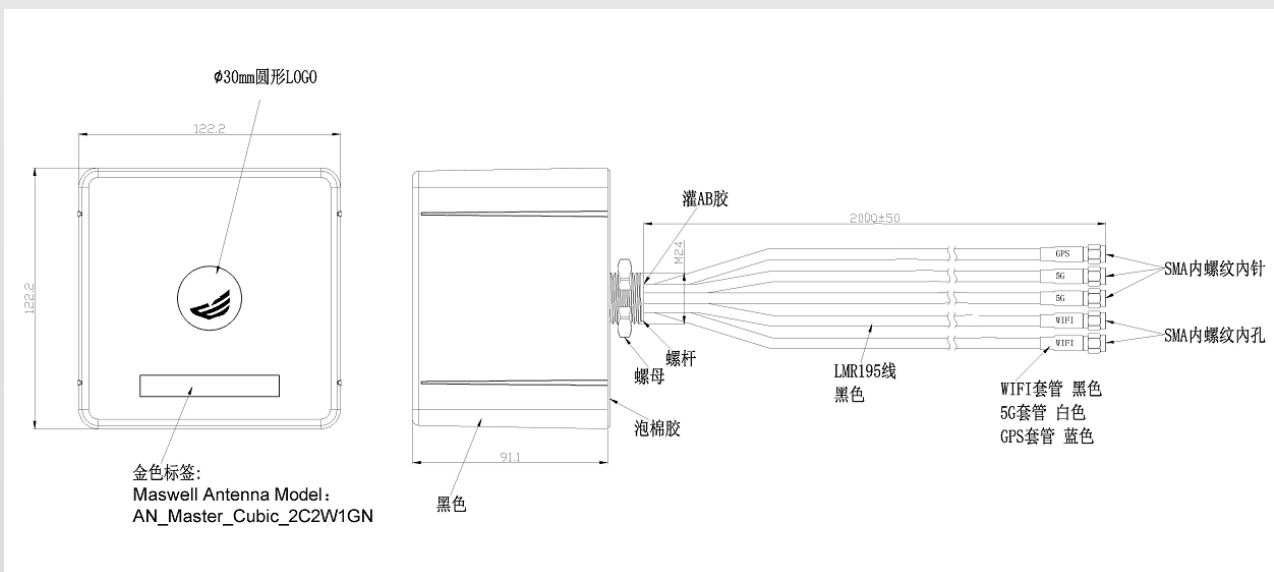


迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN



示意图



迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

规格

项目		规格	
GNSS天线 (GPS, GLONASS, 北斗, Gaileo 四星)	介质天线	中心频率	1561.098~1602MHz
		极化	右旋圆极化
		增益	5dBic@PCB (最高值)
		电压驻波比	< 1.5
		阻抗	50Ω
		轴比	3dB (最大)
	低噪声放大器	增益	28±2dB
		噪音系数	≤1.5dB
		滤波器插入损耗	< 3dB
		电源电压	3~5V DC
		电流消耗	< 20mA
		V.S.W.R	< 2.0
天线 1: 5G/4G LTE/WiFi6E/UWB		频率范围	600MHz~8.0GHz
		极化	线极化
		增益	6.0dBi (最高) @20cm线长
		方向性	全向
		V.S.W.R	平均3.0
		效率	>50%
天线 2: 5G/4G LTE/WiFi6E/UWB		频率范围	600MHz~8.0GHz
		极化	线极化
		增益	6.0dBi (最高) @20cm线长
		方向性	全向
		V.S.W.R	平均3.0
		效率	>50%

迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

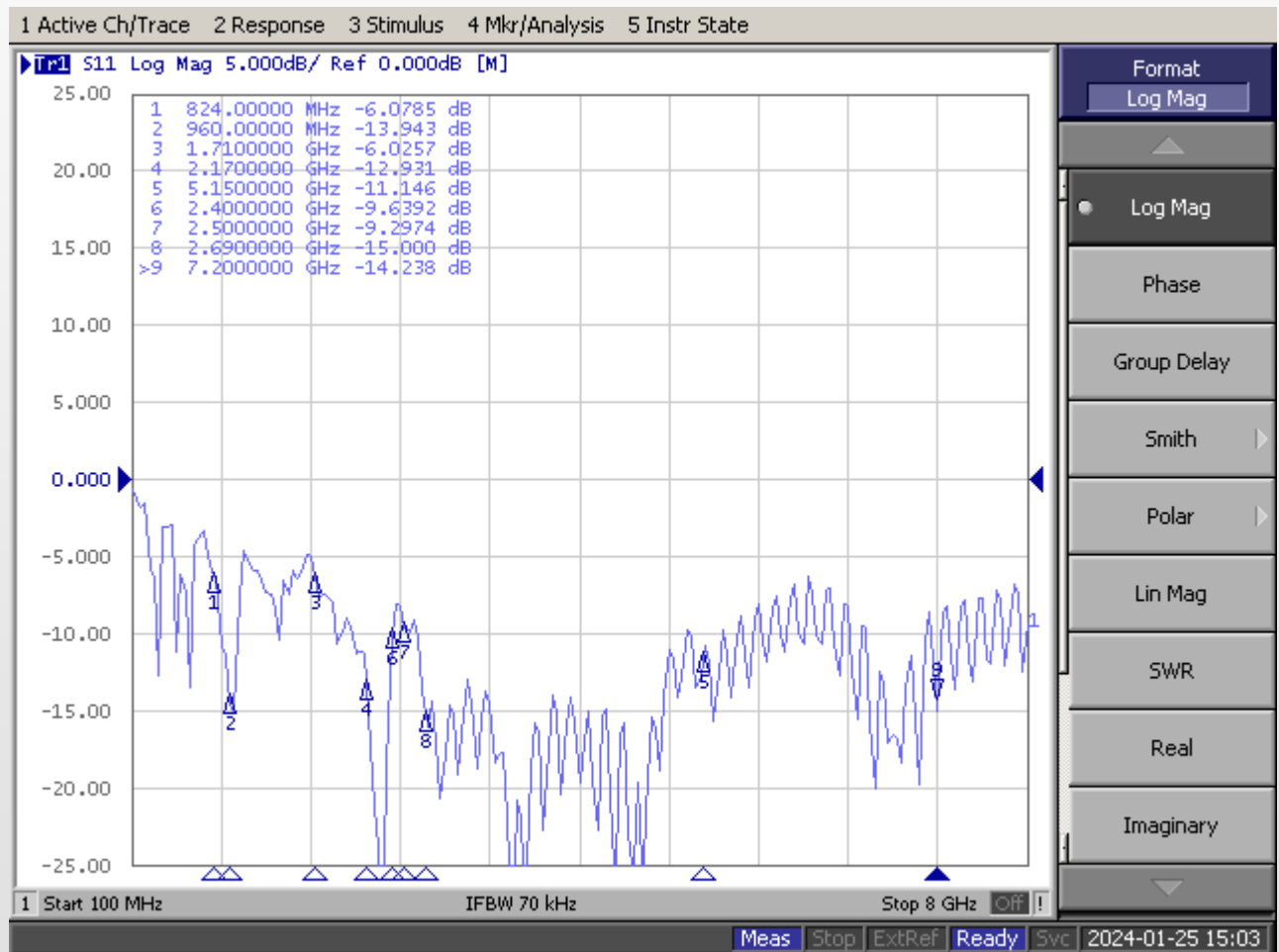
AN_Master_Cubic_2C2W1GN

项目	规格	
天线 3: WiFi	中心频率	2100Mhz-7200MHz
	极化	线性
	增益	4dBi
	方向性	全向
	V.S.W.R	< 1.5
	阻抗	50Ω
天线 4: WiFi	中心频率	2100Mhz-7200MHz
	极化	线性
	增益	4dBi
	方向性	全向
	V.S.W.R	< 1.5
	阻抗	50Ω
机械指标	尺寸	122mm *122mm*91mm
	电缆	LMR195 等效 2米或定制
	连接头	5G: SMA 公 WiFi: RP SMA Plug 内螺纹无针 GNSS: SMA 公
环境参数	工作温度	-40°C~+85°C
	防水等级	IP67 (欧盟标准IP67 EN 60529:1991+A1:2000+A2:2013+AC:2019 中国国标 GB/T4208-2017)
	相对湿度	高达95%
	天线罩材料	ASA (UL黄卡等级)
	材料防紫外线与水浸渍等级	F1 级 (UL746C)
	震动指标	10 to 55Hz 和1.5mm 振幅 2小时测试
	环保指标	符合ROHS

迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

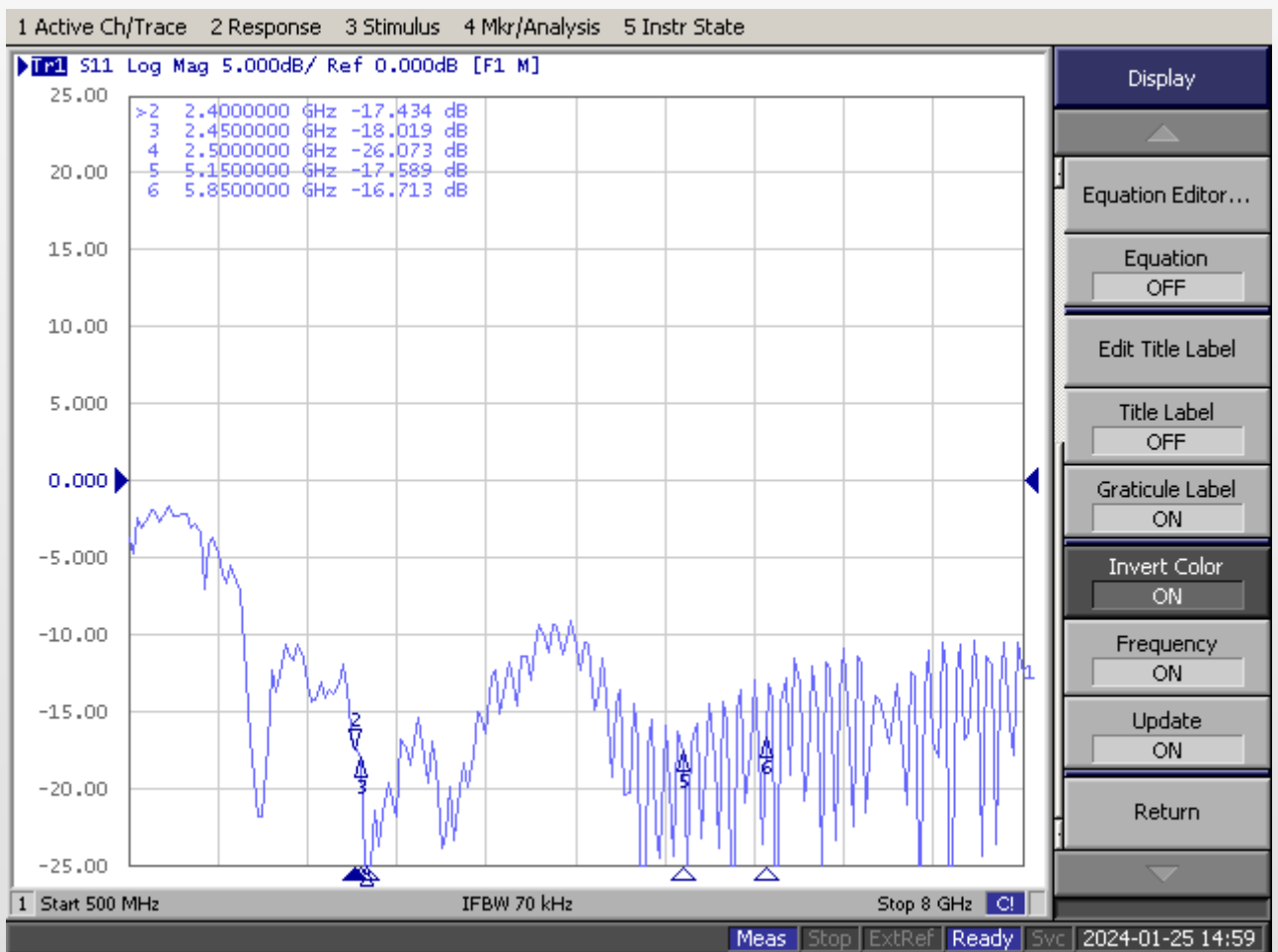
5G 天线阵子 S11 反射系数



迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

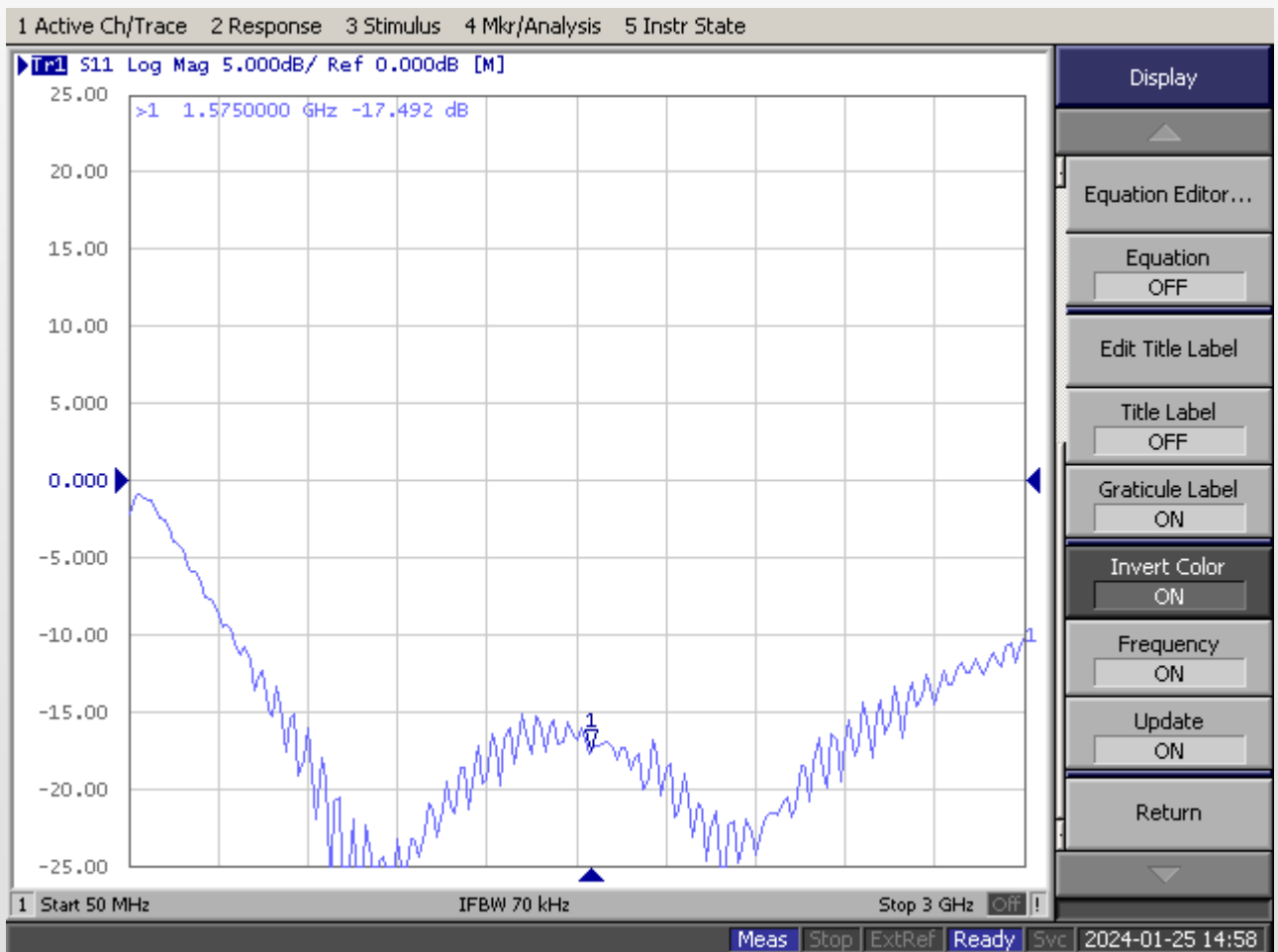
WiFi 天线阵子 S11 反射系数



迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

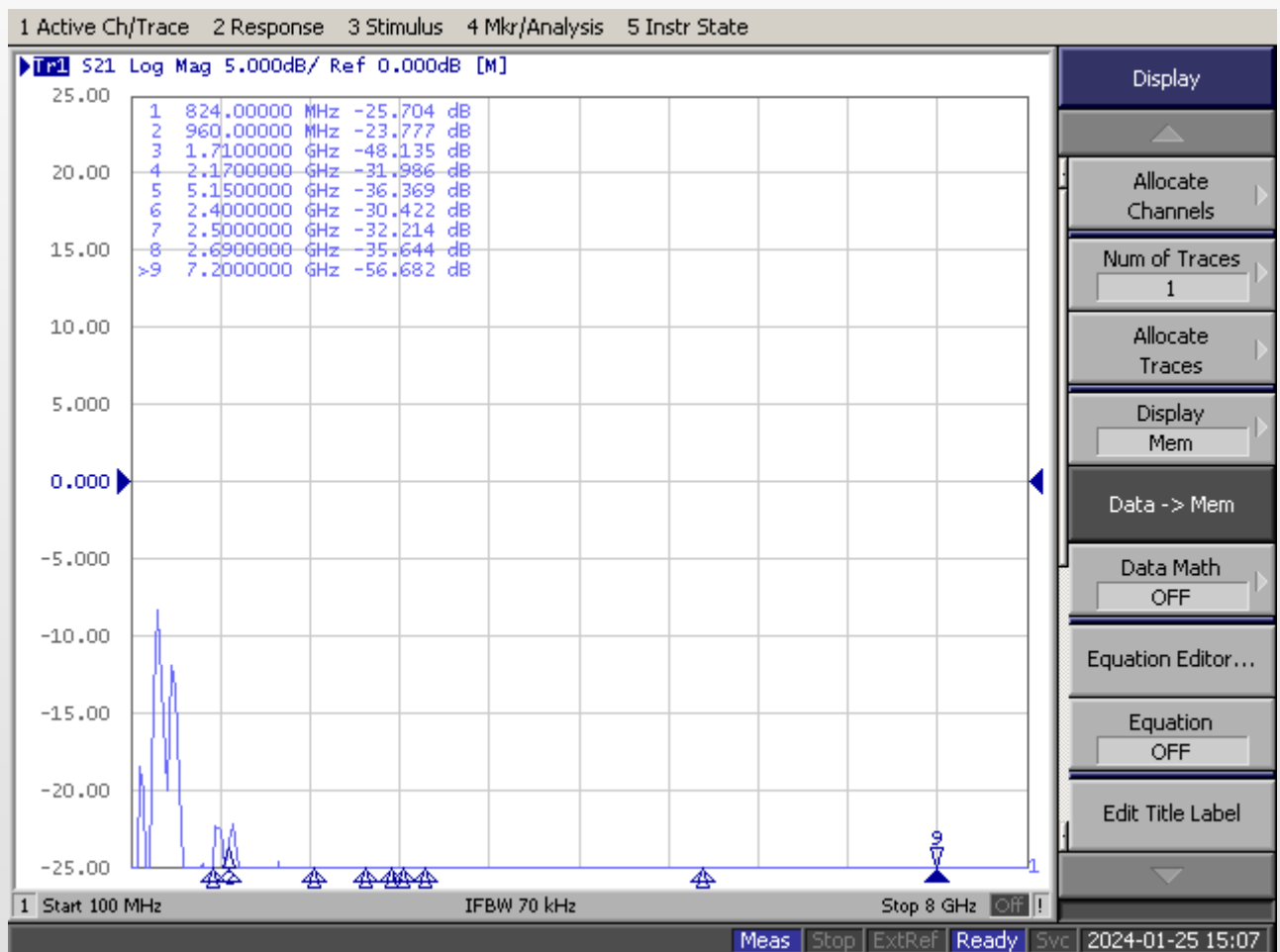
GNSS 天线阵子 S11 反射系数



迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

天线 隔离度 1端口/电缆1 与 2端口/电缆2

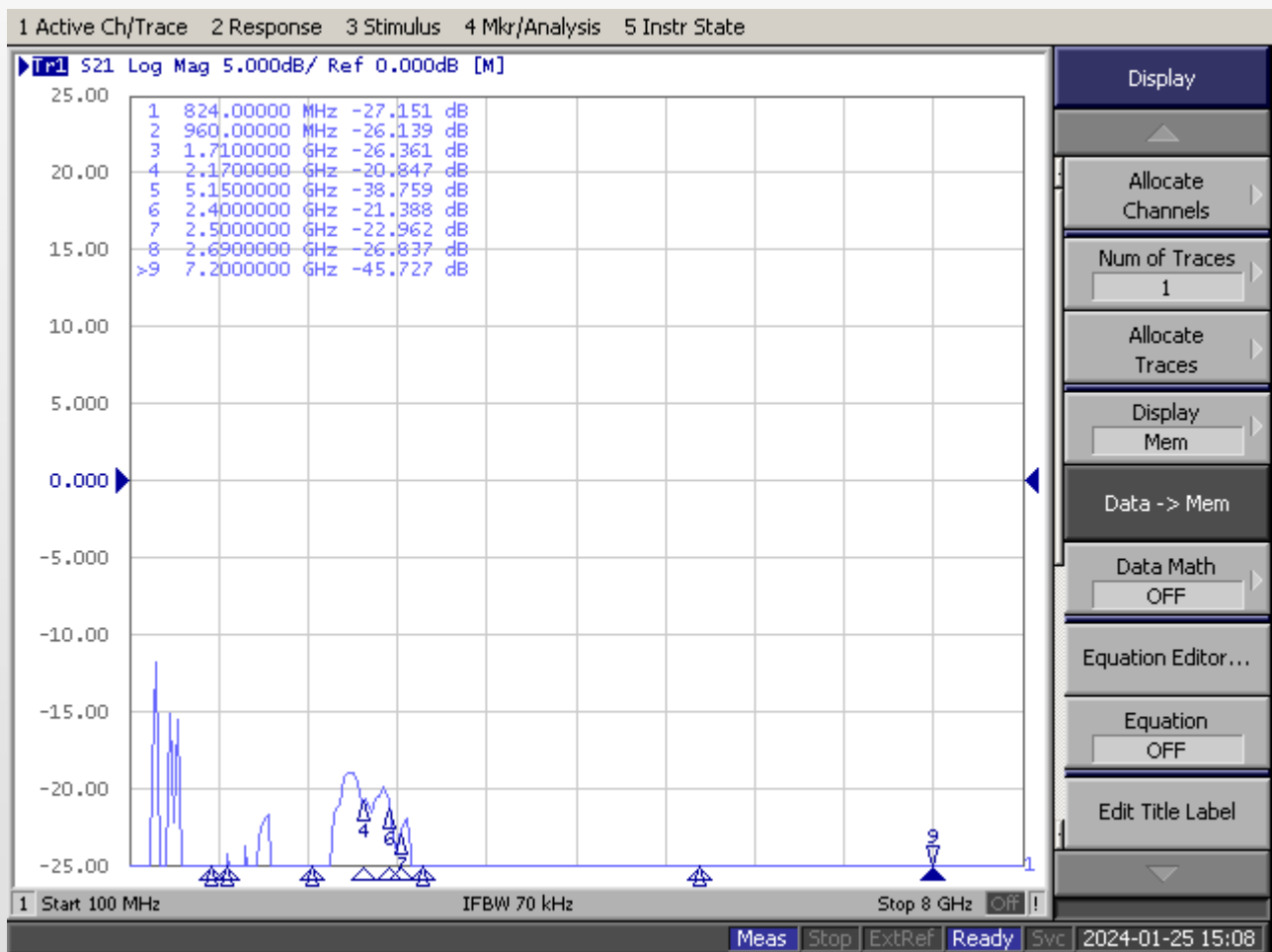


电缆 1 : 5G, 电缆 2: 5G, 电缆 3: WiFi
电缆 4: WiFi, 电缆 5: GPS /GNSS

迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

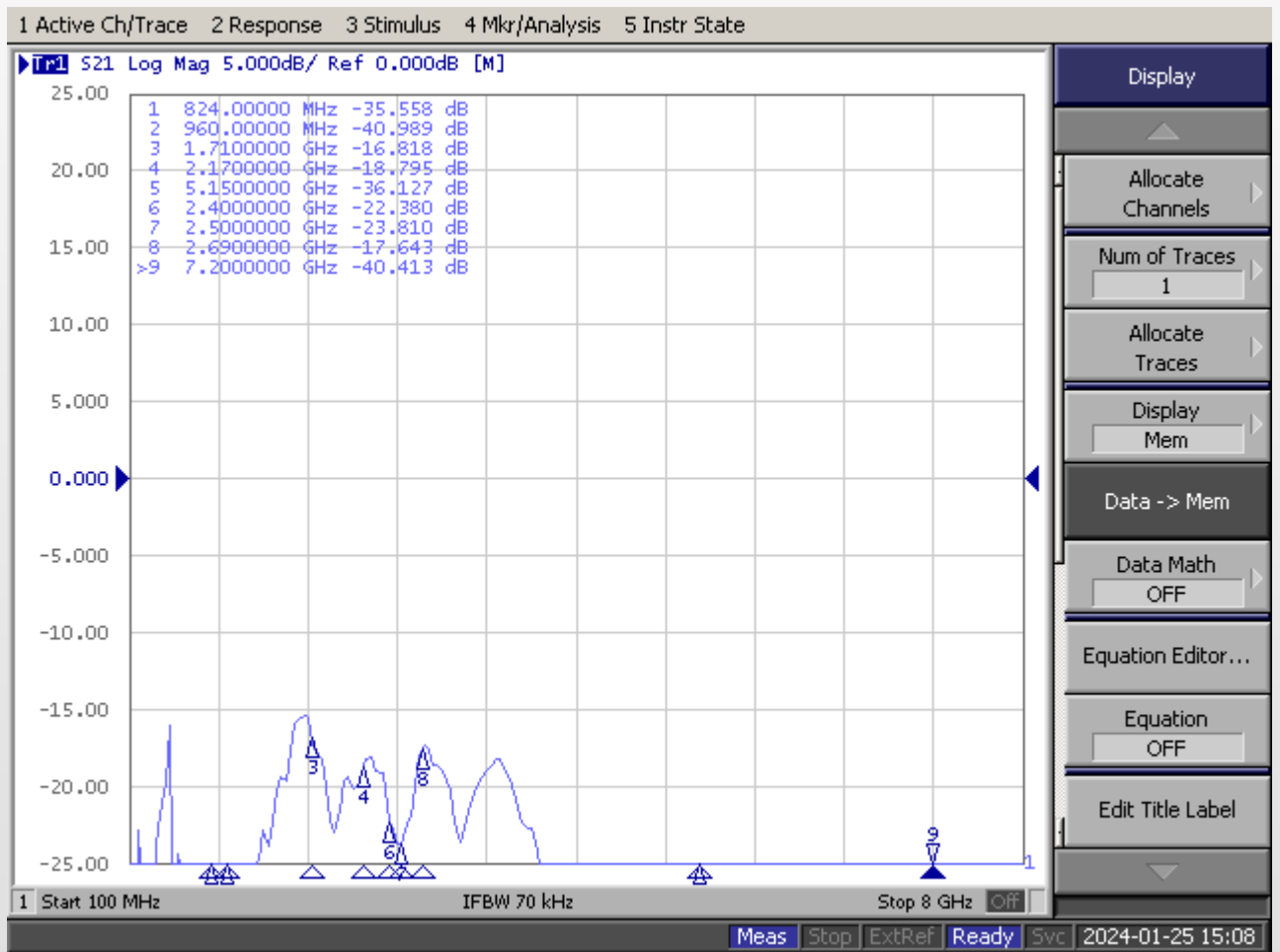
天线 隔离度 1端口/电缆1 与 3端口/电缆3



迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

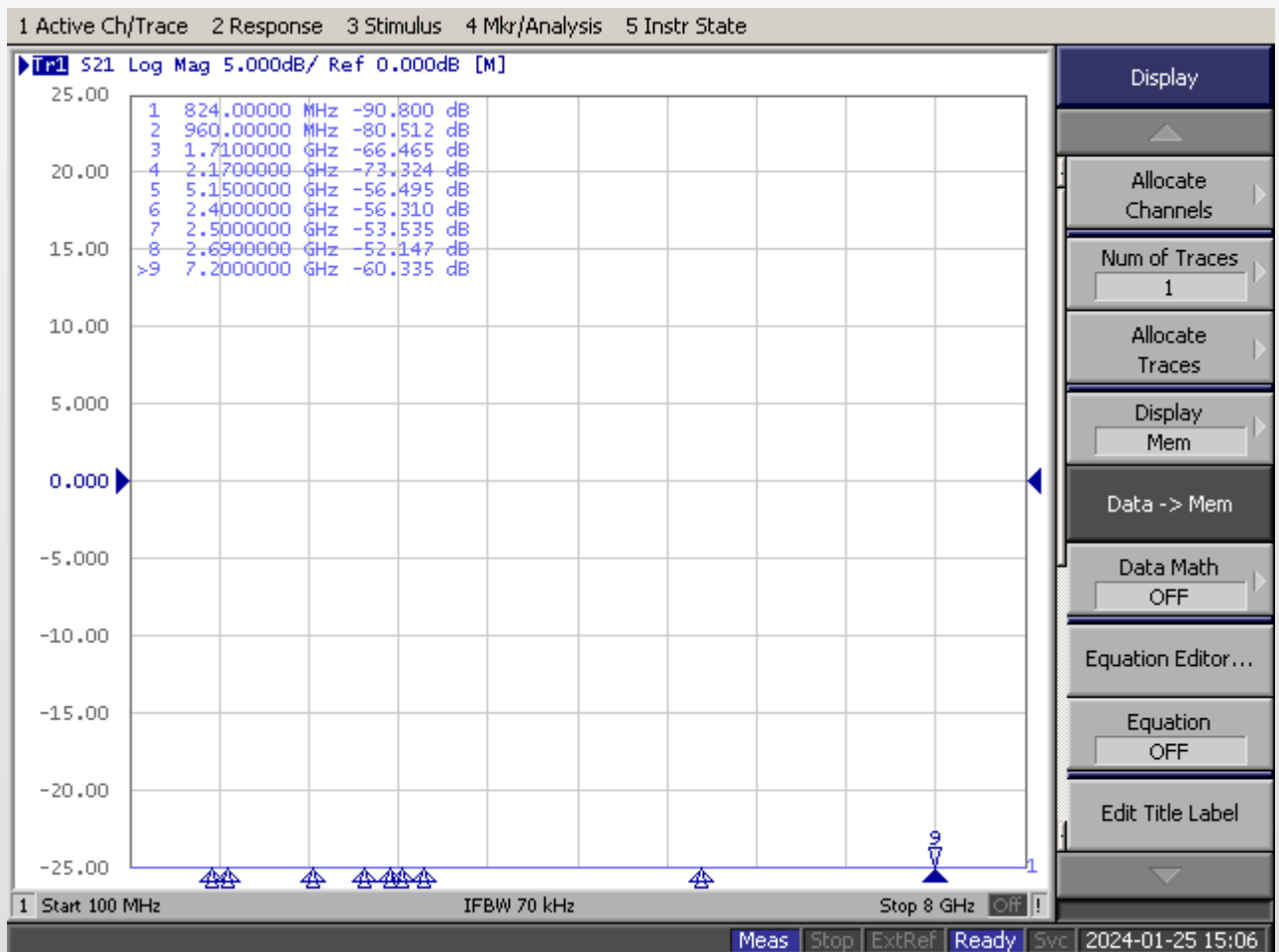
天线 隔离度 1端口/电缆1 与 4端口/电缆4



迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

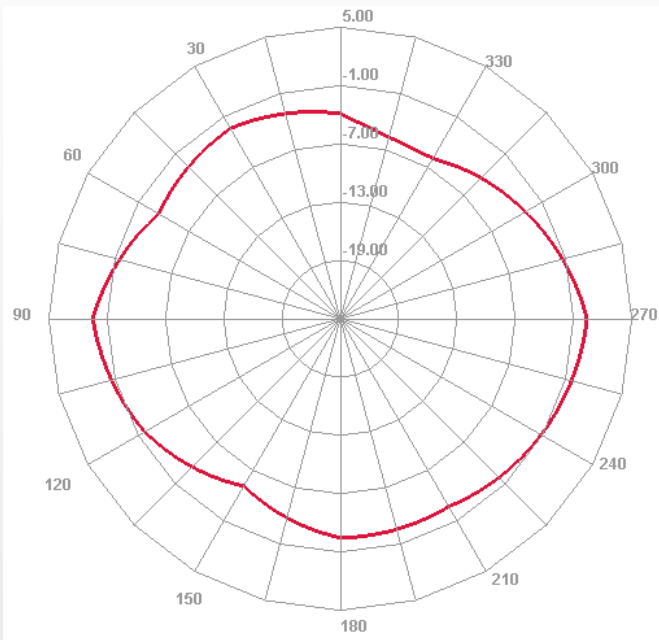
天线 隔离度 1端口/电缆1 与 5端口/电缆5



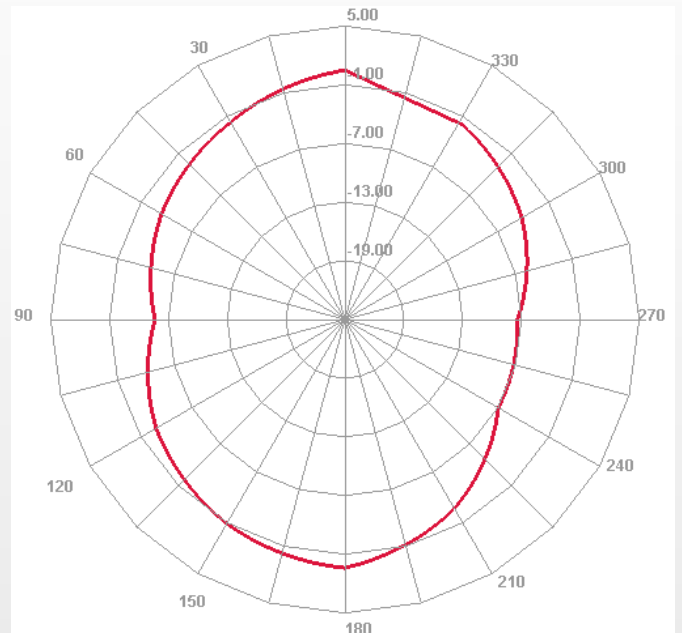
迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

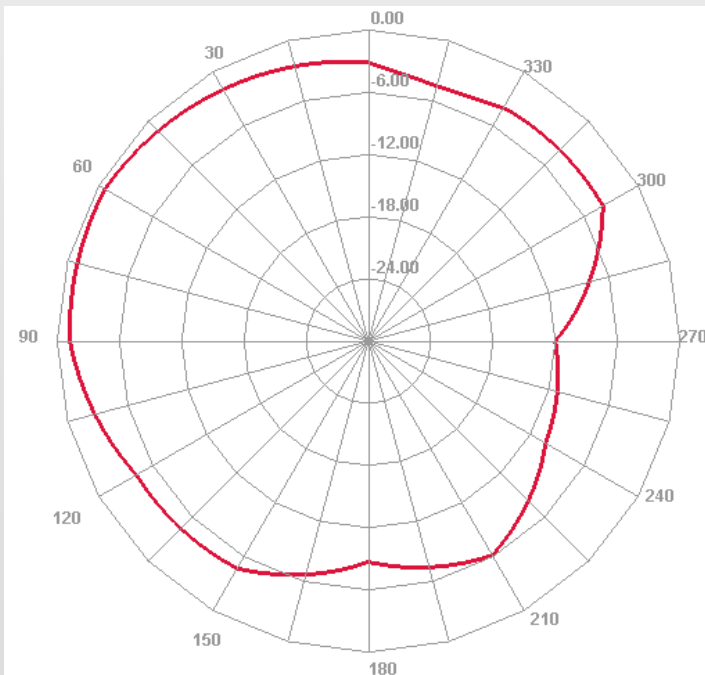
辐射方向图 5G 阵子



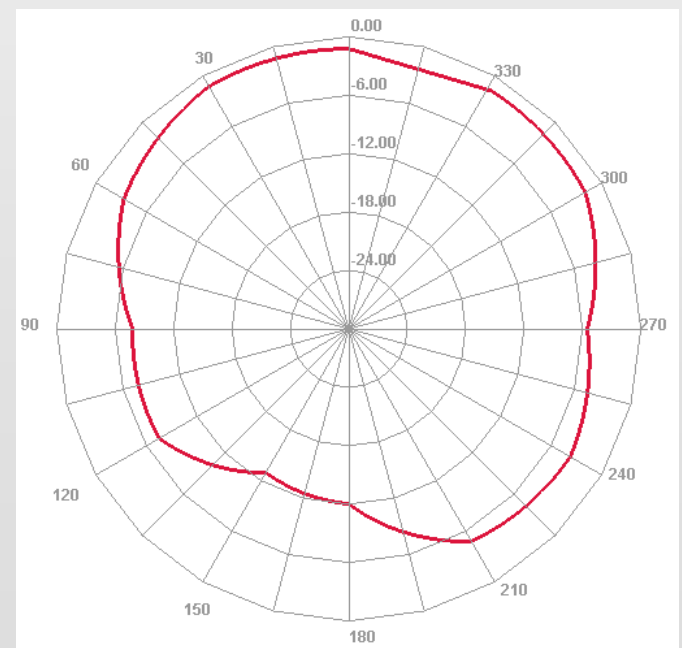
900MHz E plane



900MHz H plane



1800MHz E plane

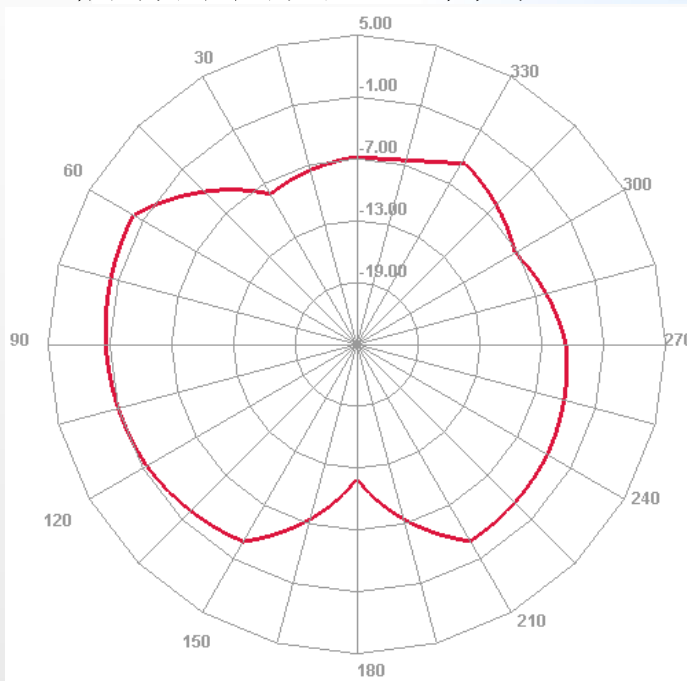


1800MHz H plane

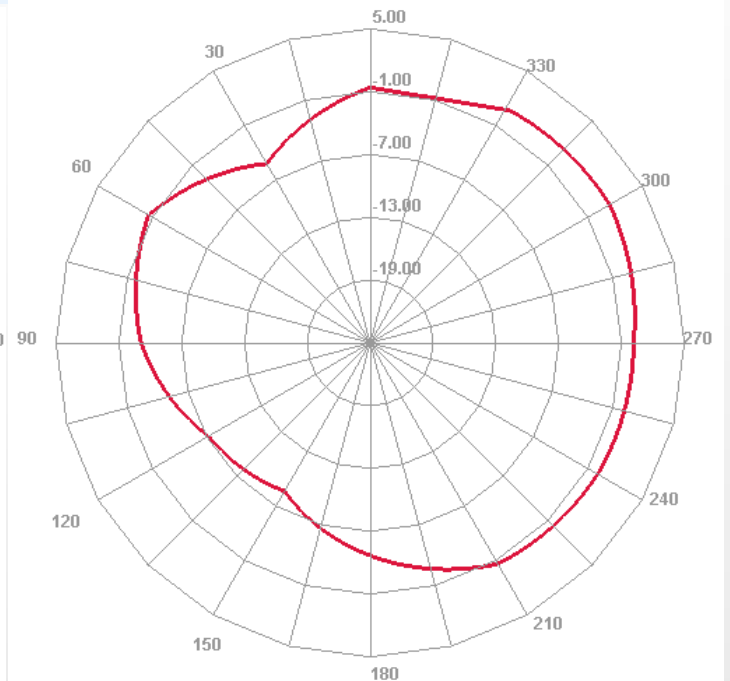
迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

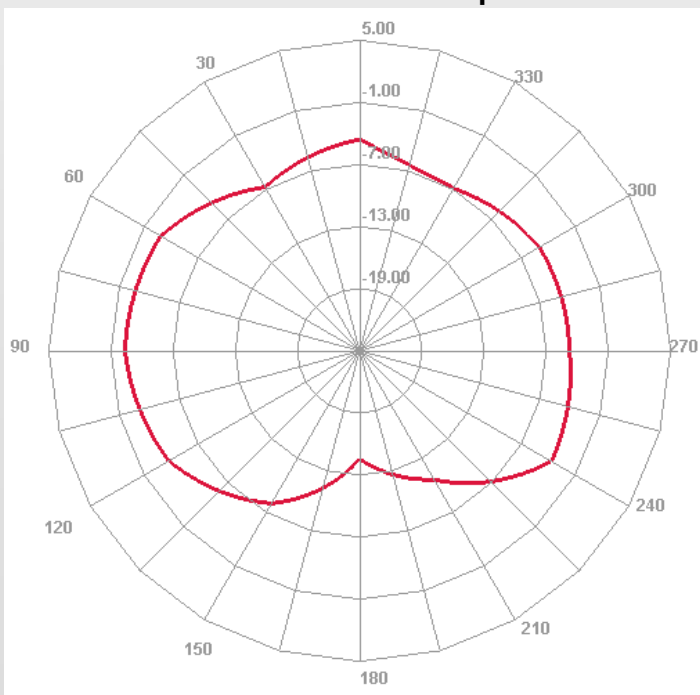
辐射方向图 5G 阵子



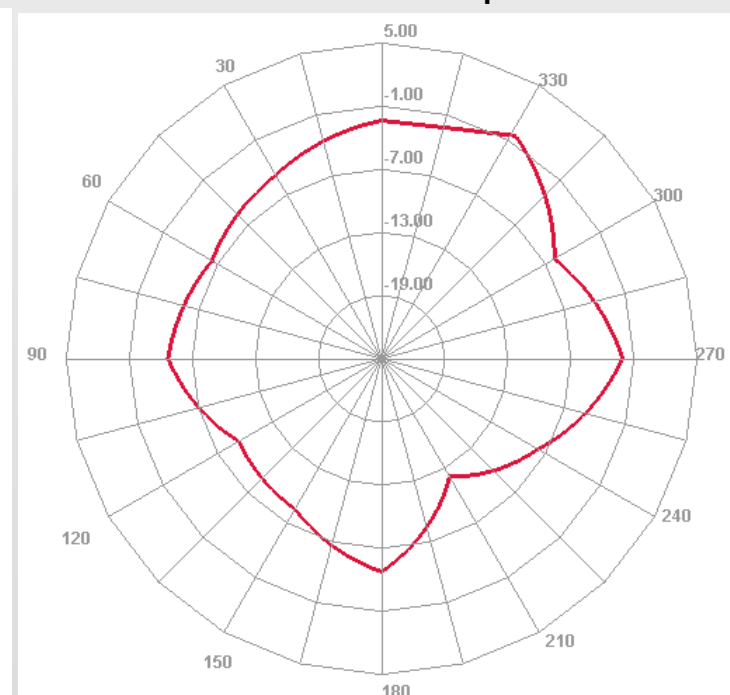
3500MHz E plane



3500MHz H plane



4800MHz E plane

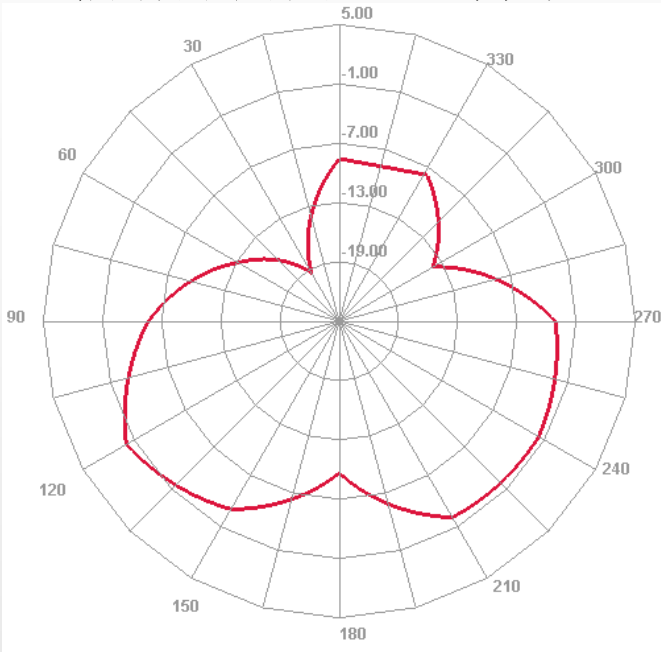


4800MHz H plane

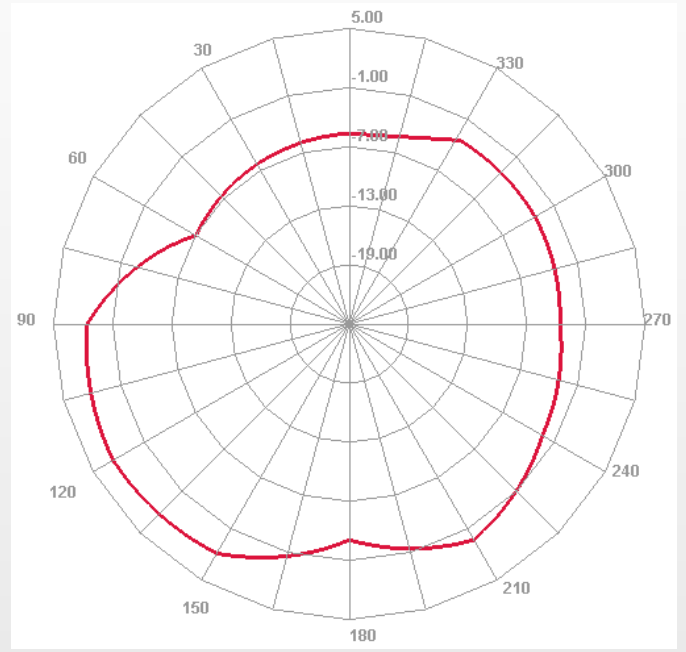
迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

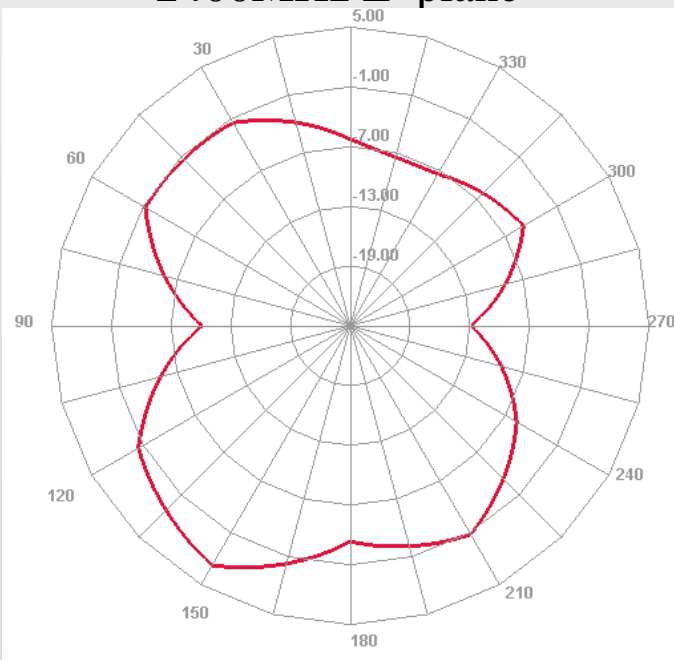
辐射方向图 WiFi阵子



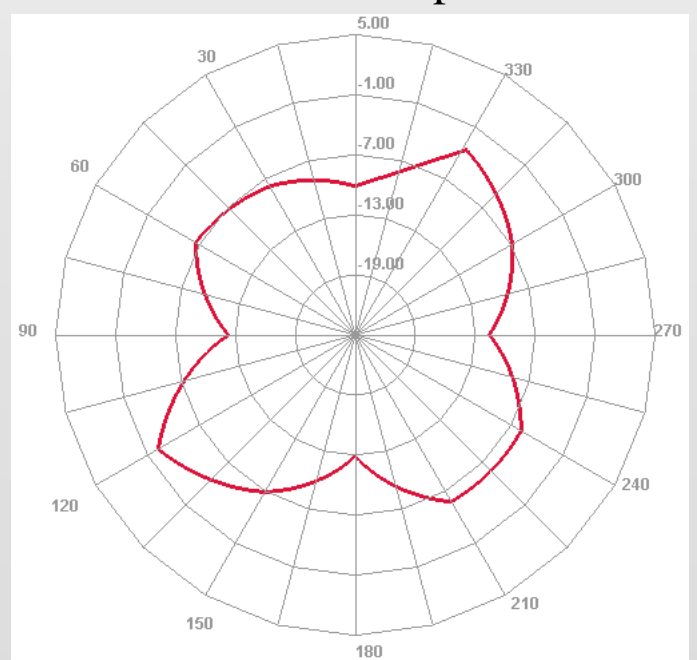
2400MHz E plane



2400MHz H plane



5800MHz E plane

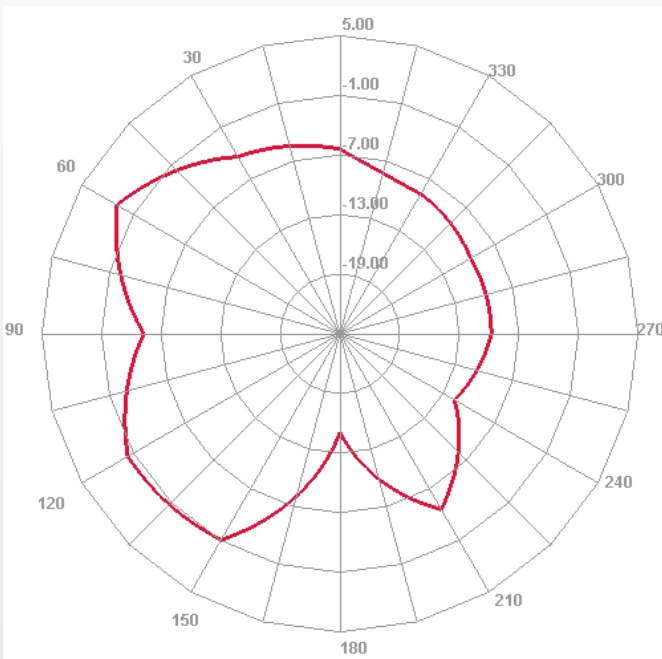


5800MHz H plane

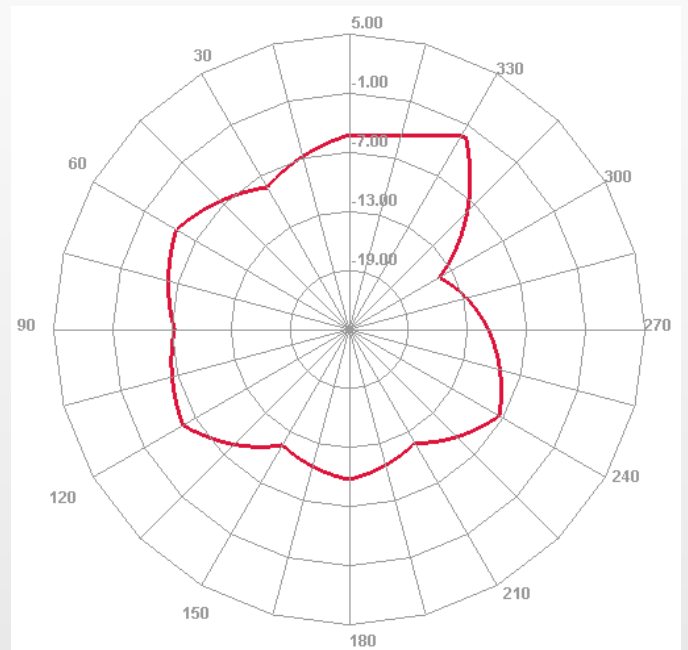
迈斯维5G 五组合天线 2X2 MIMO 5G/4G以及 2X2 MIMO WiFi 7 与GNSS/GPS螺杆安装

AN_Master_Cubic_2C2W1GN

辐射方向图 WiFi阵子



7100MHz E plane



7100MHz H plane



中国认可
国际互认
检测
TESTING
CNAS L9438



检测报告

TEST REPORT

产品名称 : 迈斯维 MIMO 立方体天线系列
AN-Master-Cubic-4C/AN-Master

产品型号 : -Cubic-2C2W/AN-Master-Cubic-
4W and Variants

委托方 : 苏州迈斯维通信技术有限公司
委托方地址 : 苏州市高新区通安镇真北路 88 号
1 号楼 403

检验依据 : GB/T 4208-2017

检验类别 : 委托检验

报告编号 : CTB231113015Q

报告日期 : 2023 年 11 月 17 日

深圳市环测威检测技术有限公司

Shenzhen CTB Testing Technology Co., Ltd.

深圳市宝安区新桥街道新桥社区新和大道 26 号 A 栋 1 层。

1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

电话: 4008-707-283 邮箱: ctb@ctb-lab.net 网址: http://www.ctb-lab.net



Model PW-957(+)(f1)

File Number: E56070



COMPANY

CHI MEI CORPORATION

No 398 Sec 1 Zhongzheng Rd
Rende District
Tainan City, 717010 Taiwan

MODEL INFO

PW-957(+)(f1)

Acrylonitrile Styrene Acrylate (ASA) "KIBILAC", furnished as pellets

(f1) – Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(+) – Indicate 0~0.5% acid scavengers.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
1.5 mm, Color: ALL	HB	
3.0 mm, Color: ALL	HB	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
1.5 mm, Color: ALL	HB75	
3.0 mm, Color: ALL	HB40	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 4	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 0	

3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
High Voltage Arc Tracking Rate (HVTR)	PLC 3	
High Voltage, Low Current Arc Resistance	PLC 6	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
1.5 mm	90 °C	
3.0 mm	90 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
1.5 mm	90 °C	
3.0 mm	90 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
1.5 mm	95 °C	
3.0 mm	95 °C	
PHYSICAL PROPERTIES	VALUE	TEST METHOD
UV Exposure & Water Immersion	f1	UL 746C

Report Date: 2006-08-31

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