

芯中芯

Antenna Test Report

Customer	芯中芯
Project	A118
Antenna Revision	A1
Product Description	FPC
Product No	
DATE	2022. 08. 31

Product Overview & Dimension

Front



Purpose

This report is to measure the performance of BT antenna for A118. The antenna operating frequency at 2.4~2.5GHz, All test data are showed as below.

Content

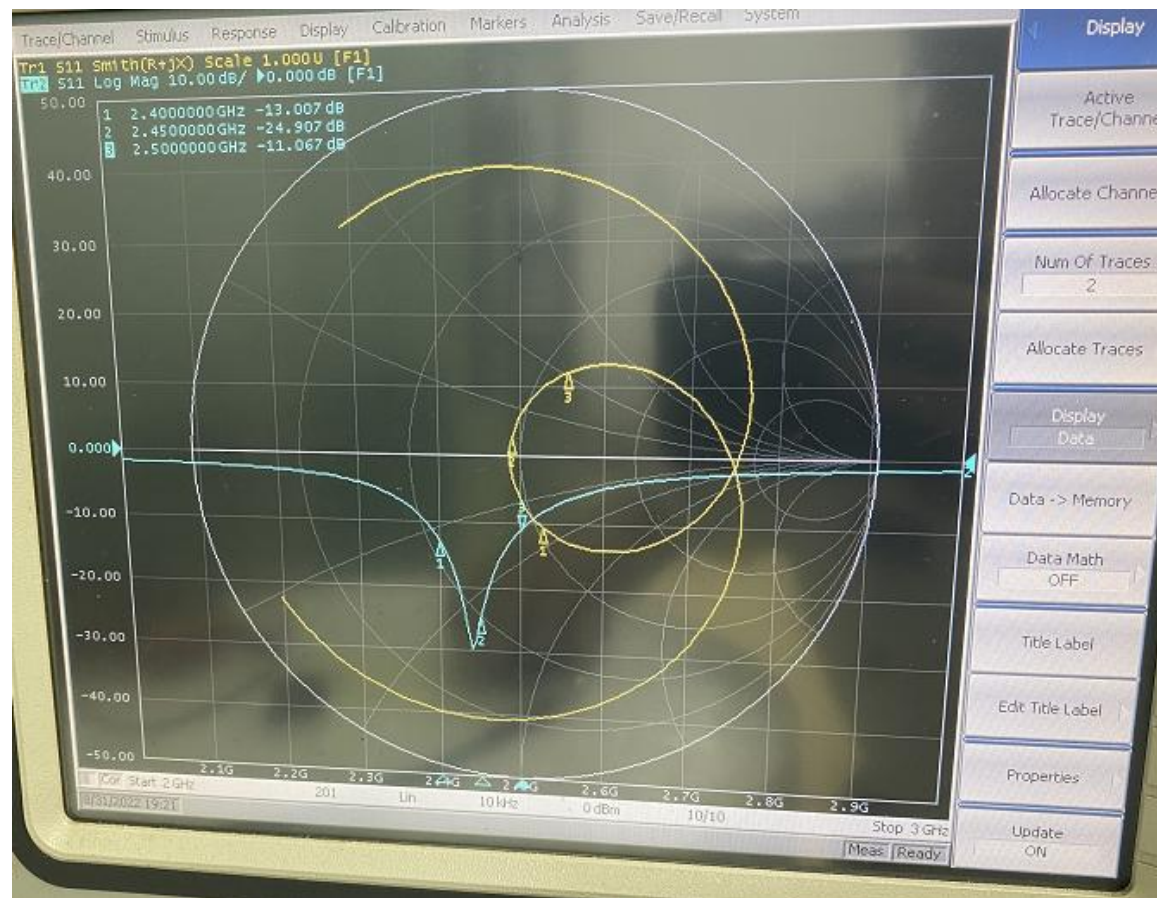
1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 S11 Parameter
 - 4.2 Test coordinate
 - 4.3 2D Pattern
 - 4.4 OTA Data
 - 4.5 BT Boot measured
5. Antenna Assembly & environmental processing

2. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	CMW500 & CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



无源S11—(BT ANT)



(L-R)

芯中芯

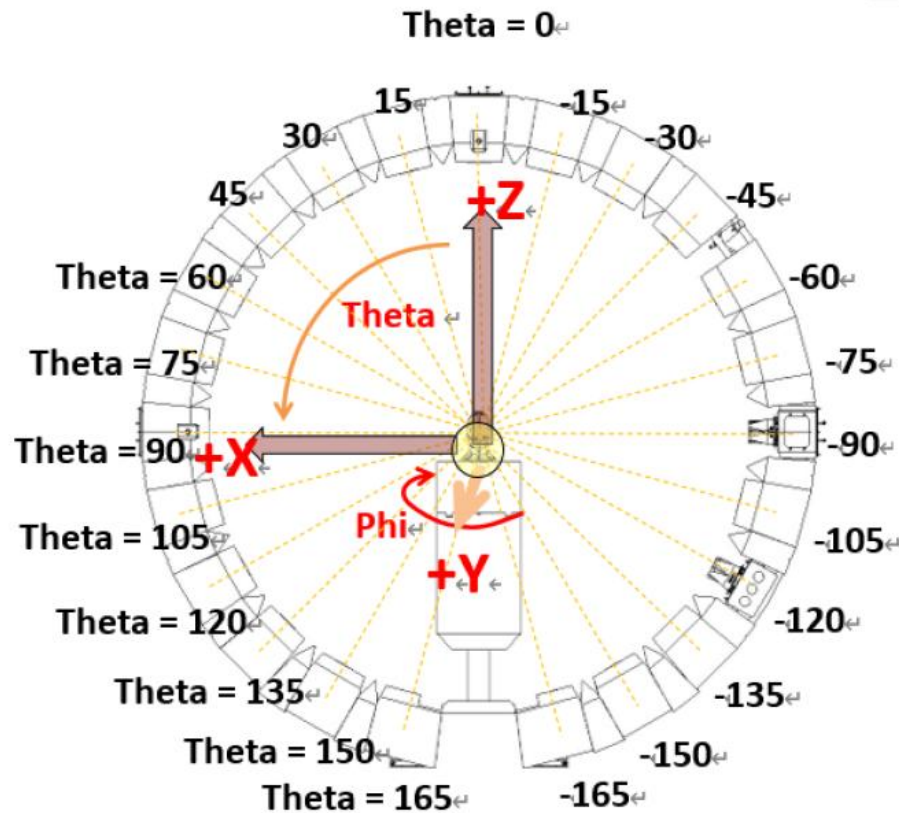
A118

2022. 08. 31



Test Result

Sample status & coordinates



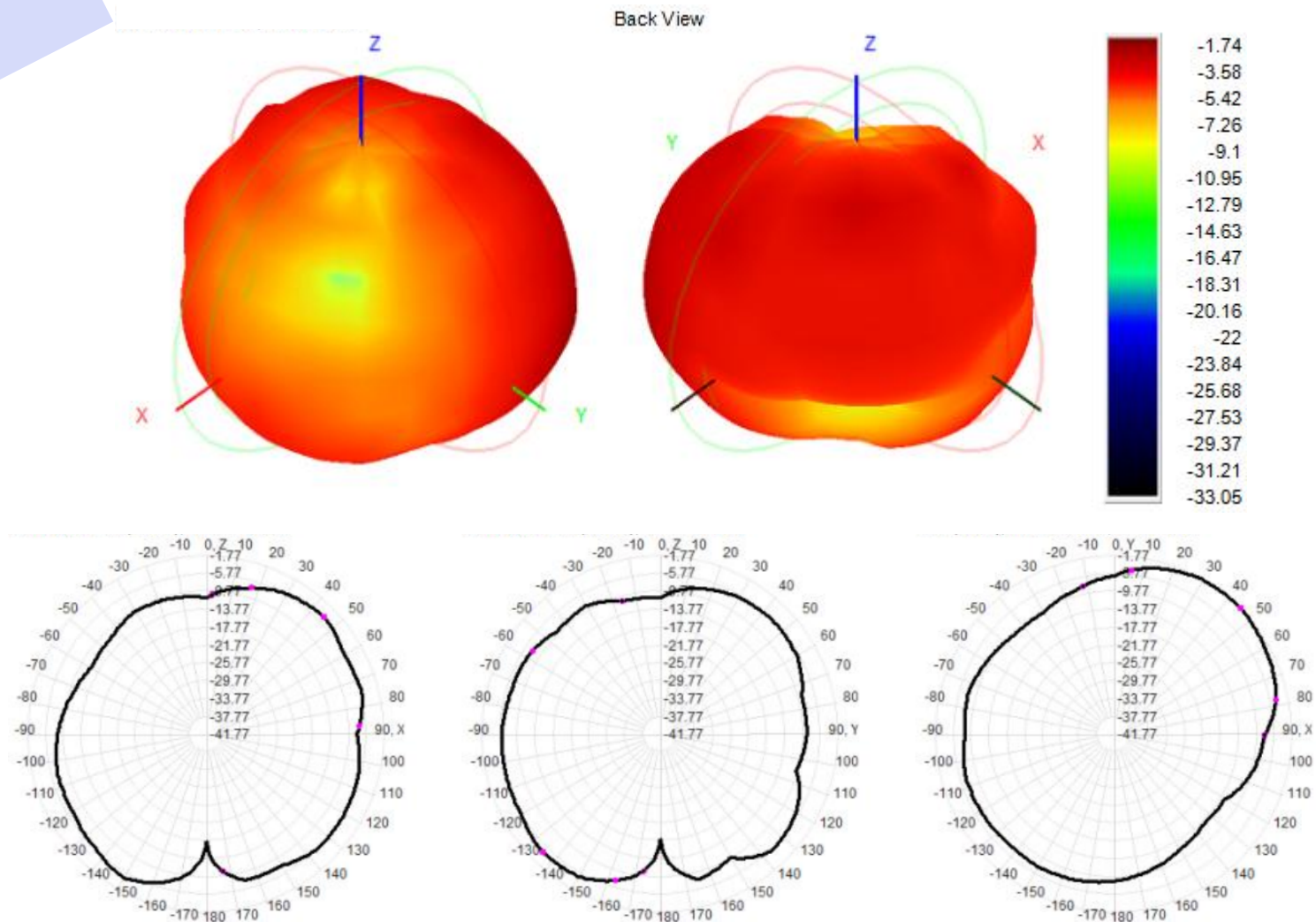
Test Result

Gain & Efficiency—**BT- ANT(L/R)**

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	18.39	0.24
2410	19.58	0.30
2420	21.58	0.50
2430	20.40	0.47
2440	20.11	0.45
2450	20.21	0.42
2460	20.88	0.36
2470	20.14	0.29
2480	20.58	0.34
2490	19.41	0.23
2500	19.21	0.25

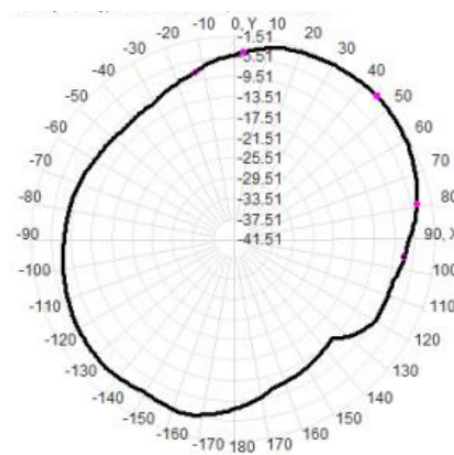
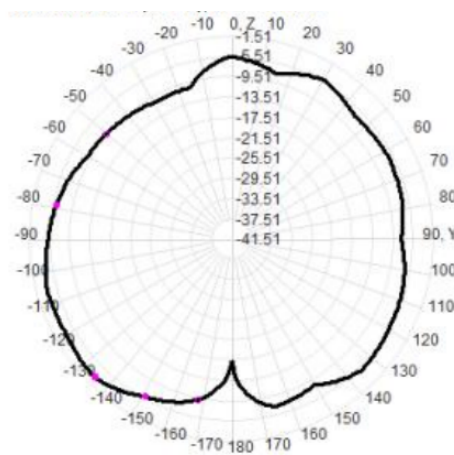
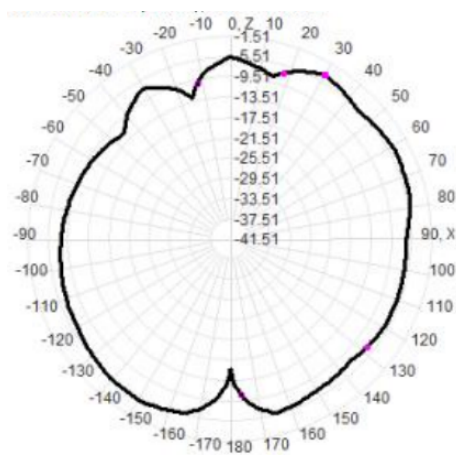
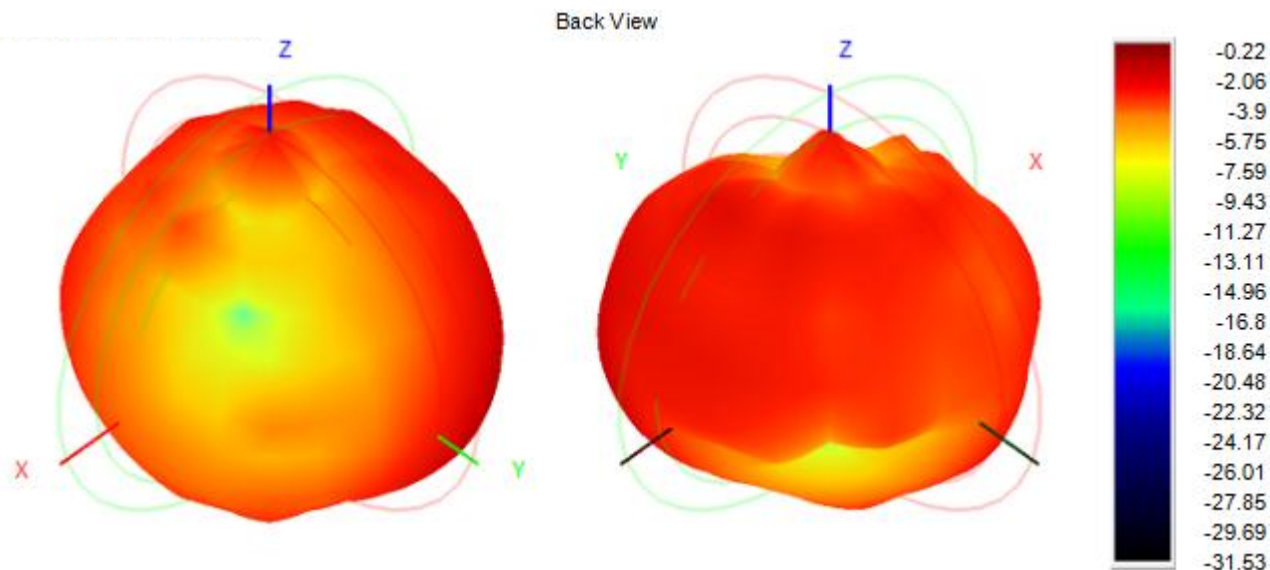
Test Result

2D&3D — BT-ANT



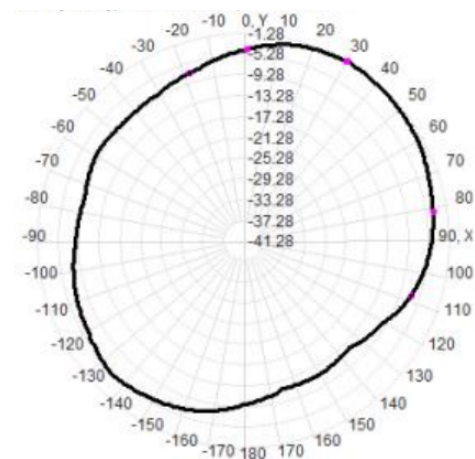
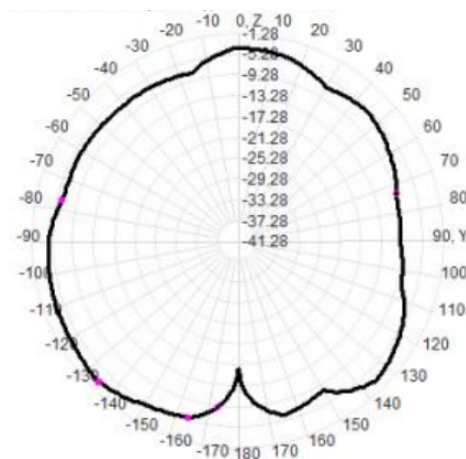
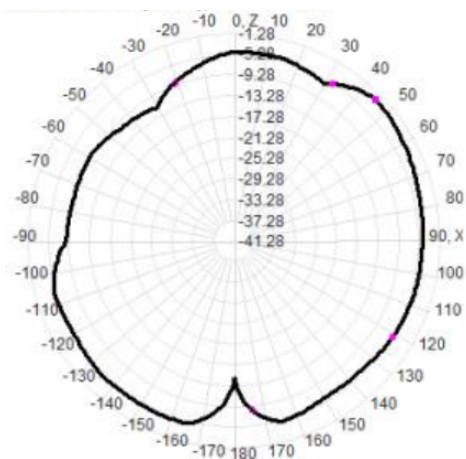
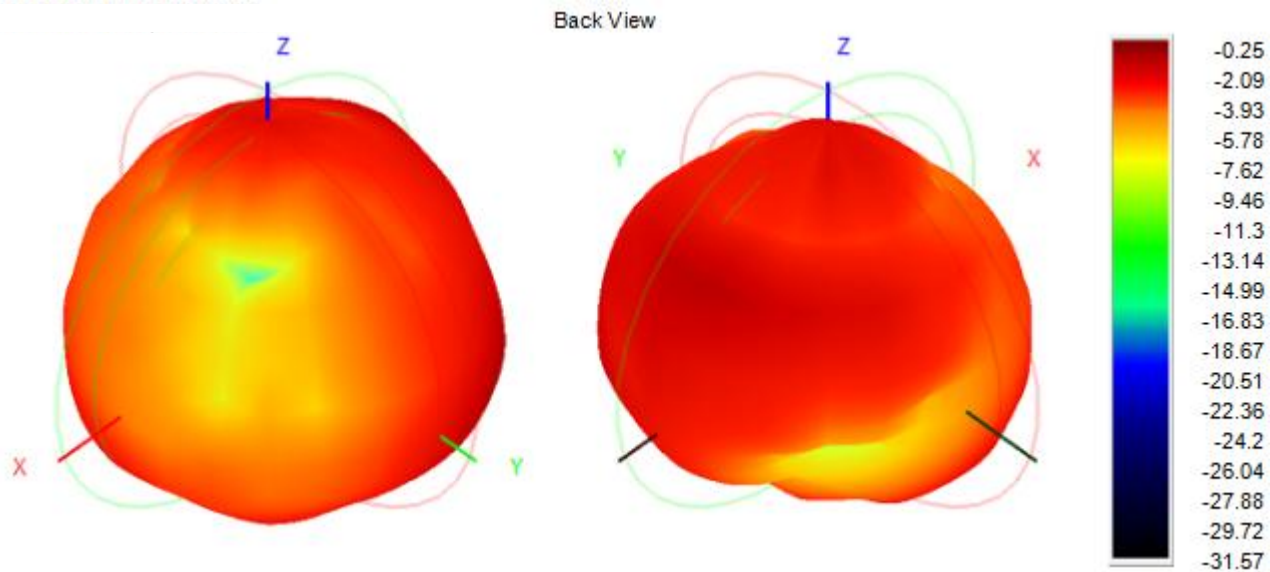
Test Result

2D&3D — BT-ANT

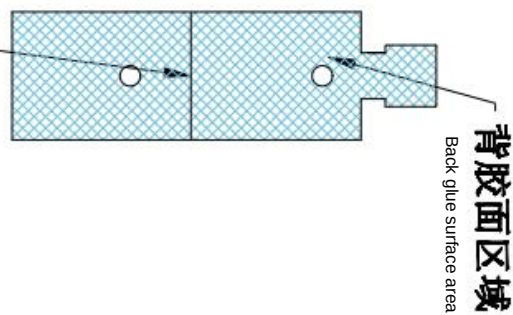
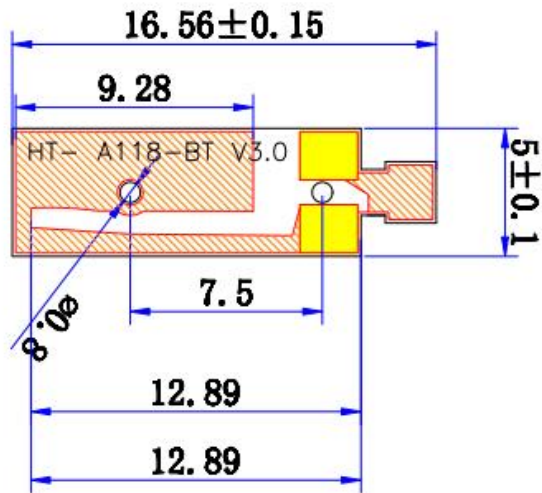


Test Result

2D&3D — BT-ANT



报价	THE QUOTATION
开模	THE TOOLING
检测	THE EVALUATION
出图	APPROVED DWS
参考	REFERENCE



背胶纸切断线位置
Adhesive paper cut line position

- 技术要求
- 1.需符合欧规ROHS,REACH, 具体详见附录;
 - 2.单机用量, 2 PCS
 - 3.A面:PC镜筒走线部分, B面代表 3M 9471 胶纸部分;
 - 4.FPC 总厚度为 $0.11\sim 1.15\text{mm}$ (不包括背胶离型纸, 按触点需做**沉金工艺** 3mil
 - 5.请使用PI11对半基材, 电焊铜。表面黑色油墨 线印白色
 - 6.油墨不含铜或金属粒子, 表面UV耐厚度紫外光;
 - 7.高温抗氧化性: 200°C 、40分钟后, 铜箔表面允许有少量氧化点,
- 每300mm*300mm面积内, 氧化点个数不超过2个, 做成整排, 不可单个;

[illegible]