

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

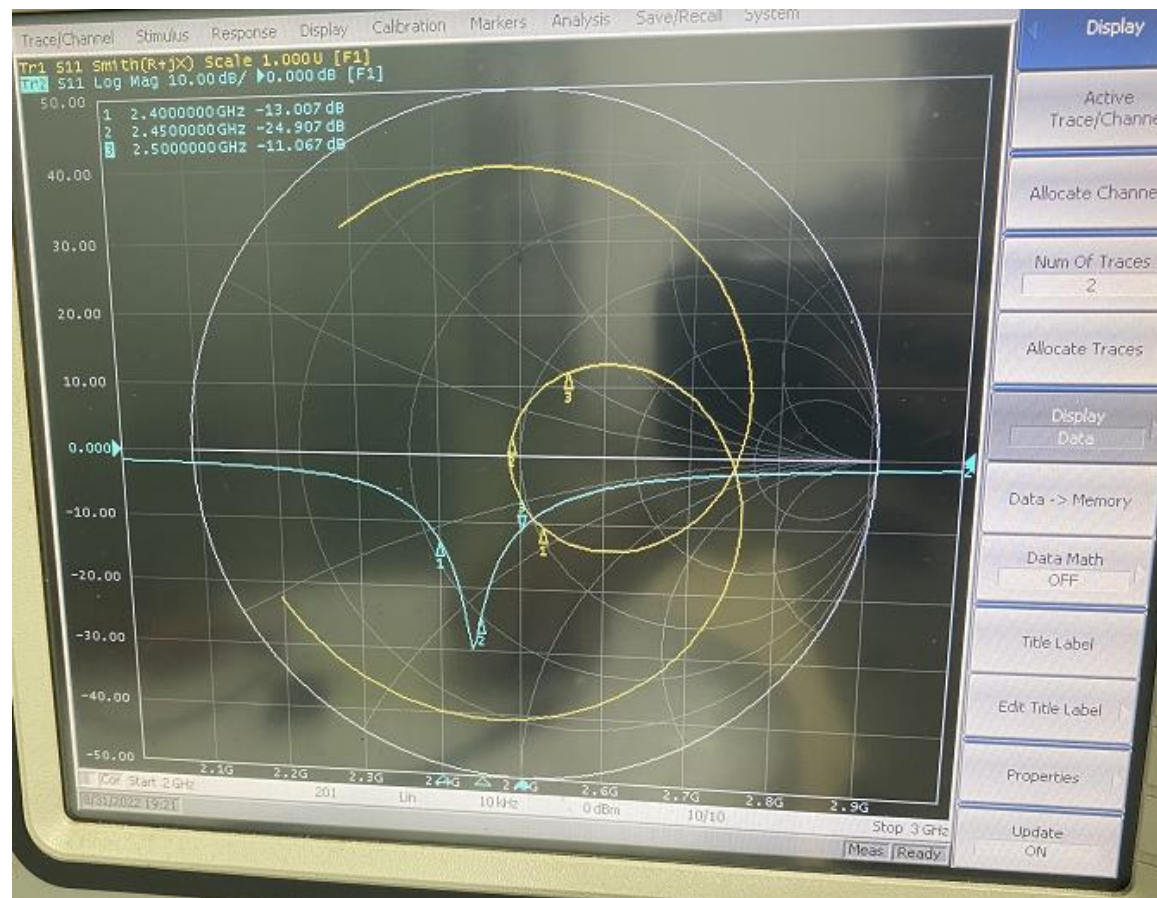
1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 S11 Parameter
 - 4.2 Test coordinate
 - 4.3 2D Pattern
 - 4.4 OTA Data
 - 4.5 BT Boot measured
5. Antenna Assembly & environmental processing

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

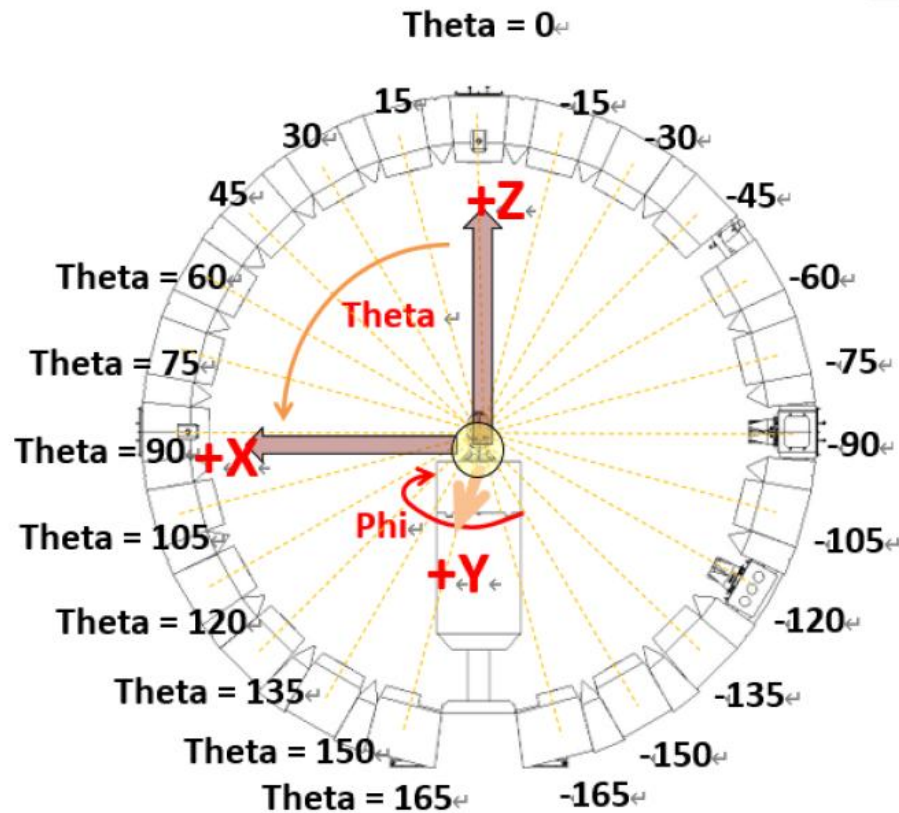
A118

2022. 08. 31



Test Result

Sample status & coordinates



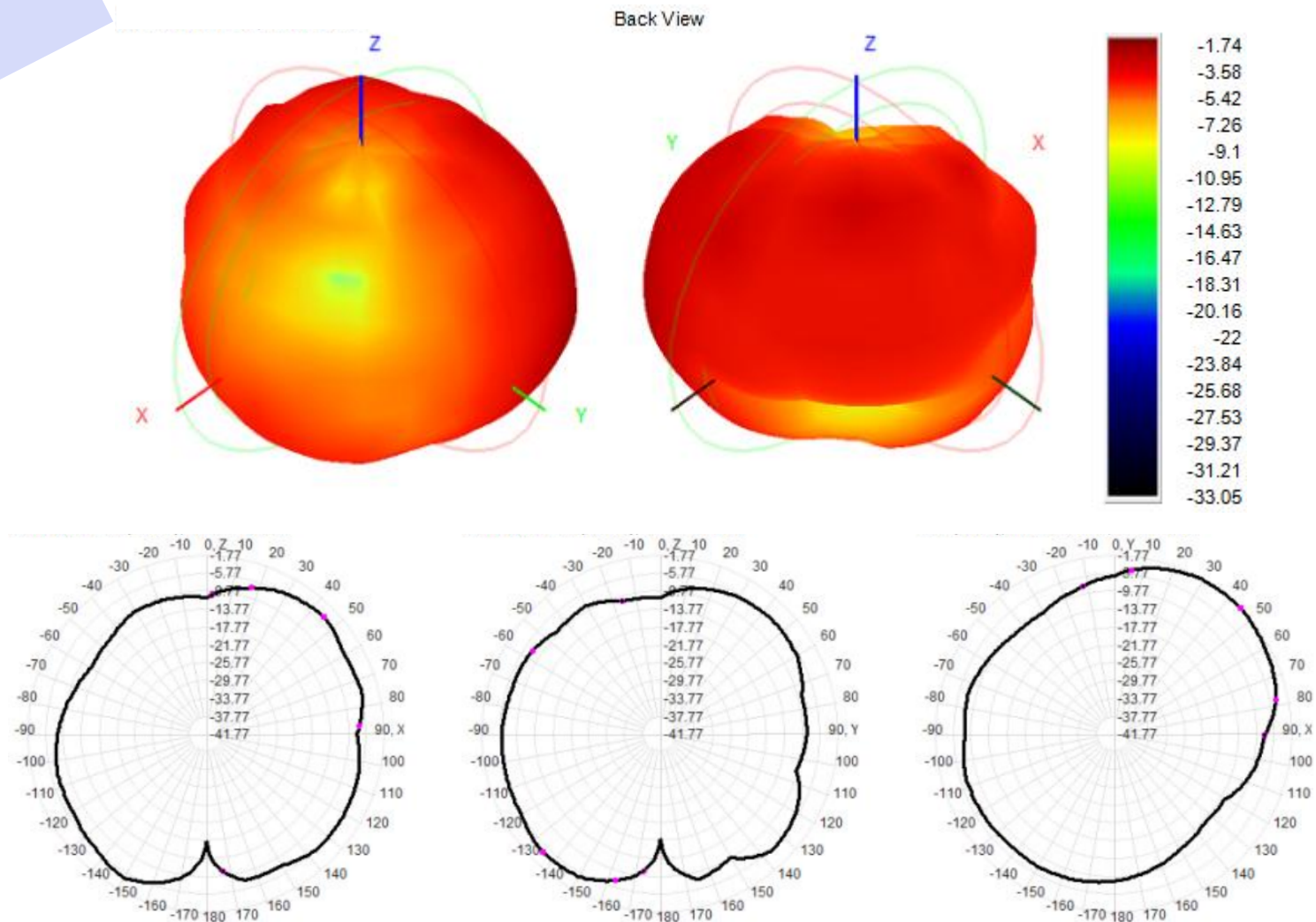
Test Result

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

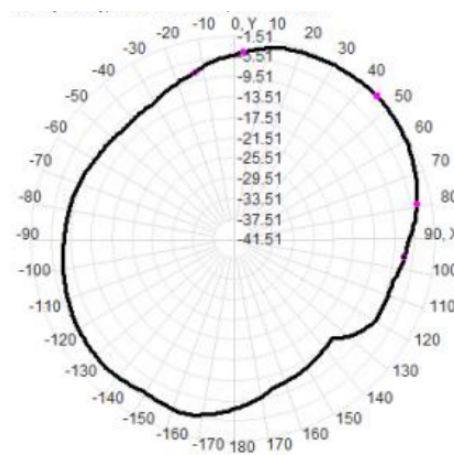
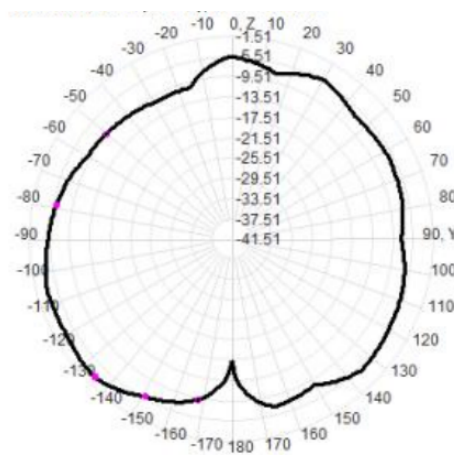
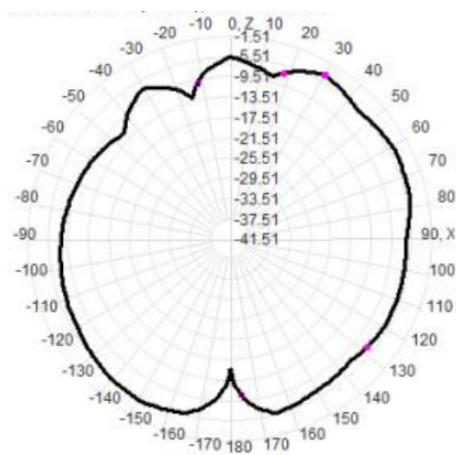
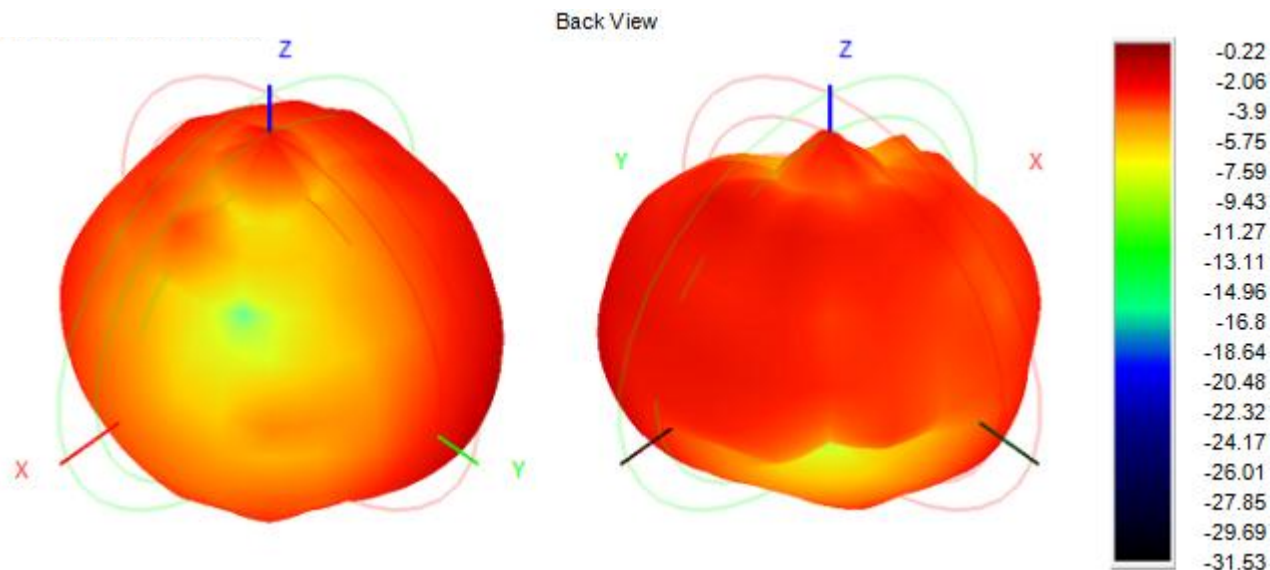
Test Result

2D&3D — BT-ANT



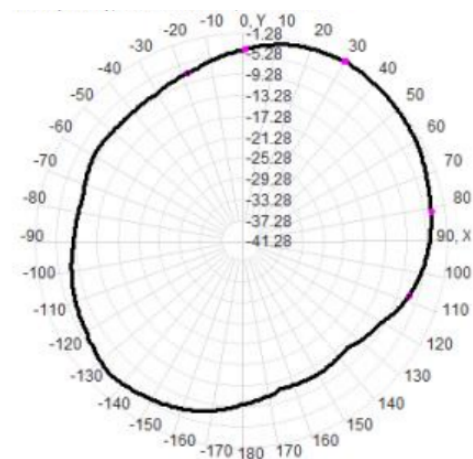
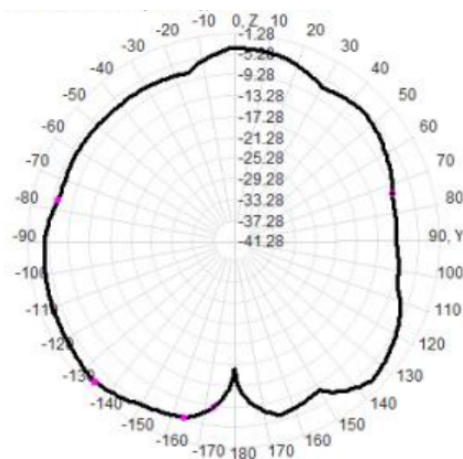
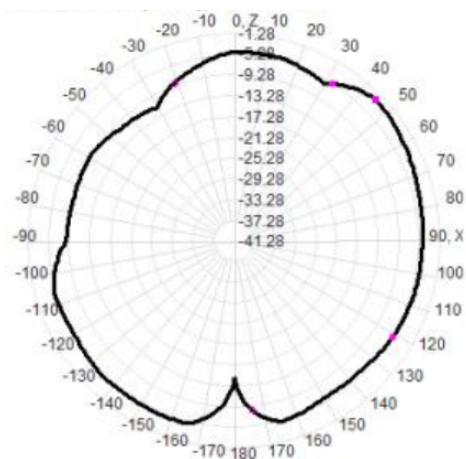
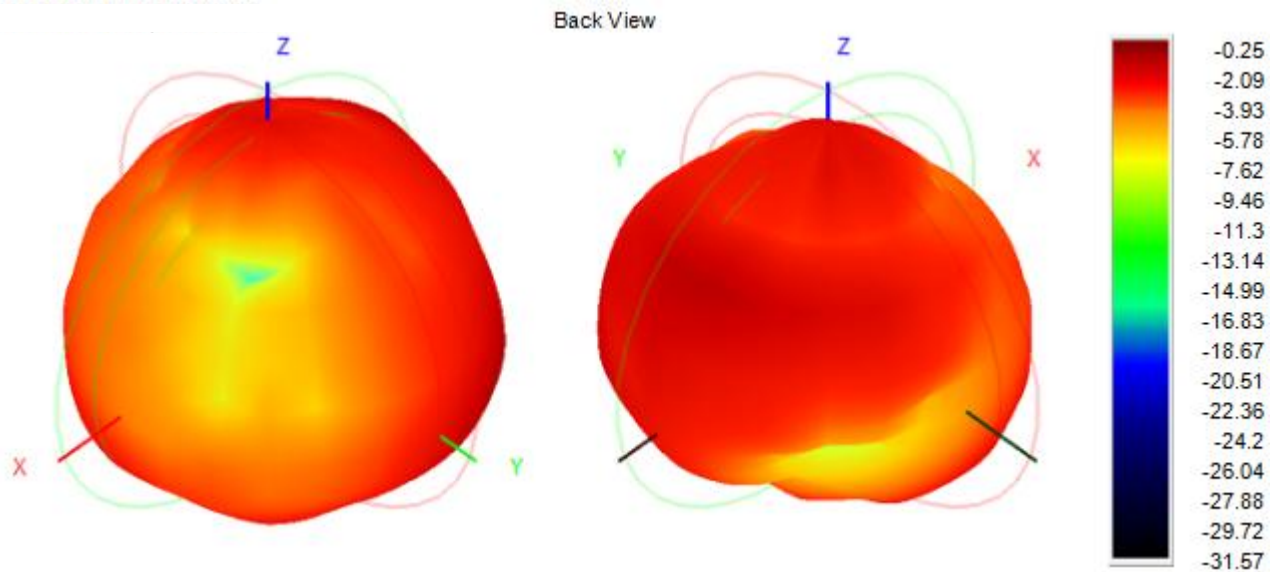
Test Result

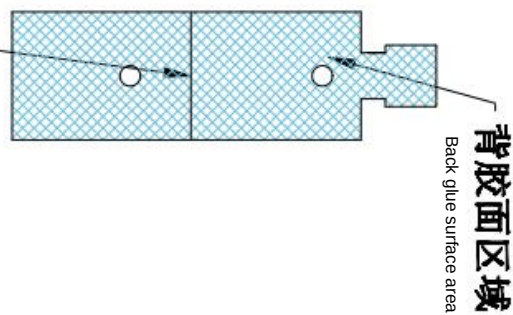
2D&3D — BT-ANT



Test Result

2D&3D — BT-ANT





每300mm×300mm面积内,氧化点个教不超过2个,做成整排,不可单个;

MODIFICATION		
NO.	DESCRIPTION	DATE

深圳合拓科技有限公司									
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF ADINA COMMUNICATIONS CORP. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MAKE A LIKE OR REVIEWS WITHOUT PERMISSION.									
Title		Part Name:		Drawing		Project		Item	
Description		HKT-20220915001-A118-EAR		Customer Rev.		A118-EAR		Designed	
Material		A4		Size		Sheet 1 of 1		Checked	
Finish		Freshments		Size		Sheet 1 of 1		Approved	
Scale		1:1		Units		mm		Used In	
Drawing Name		BRIEFING ANT-FPC-INSTANT		Date		2022.09.15		8	