

GT92 Antenna Test Report

Customer	乐心
Project	GT92
Antenna Revision	A1
Product Description	FPC
Product No	
DATE	2022. 05. 11

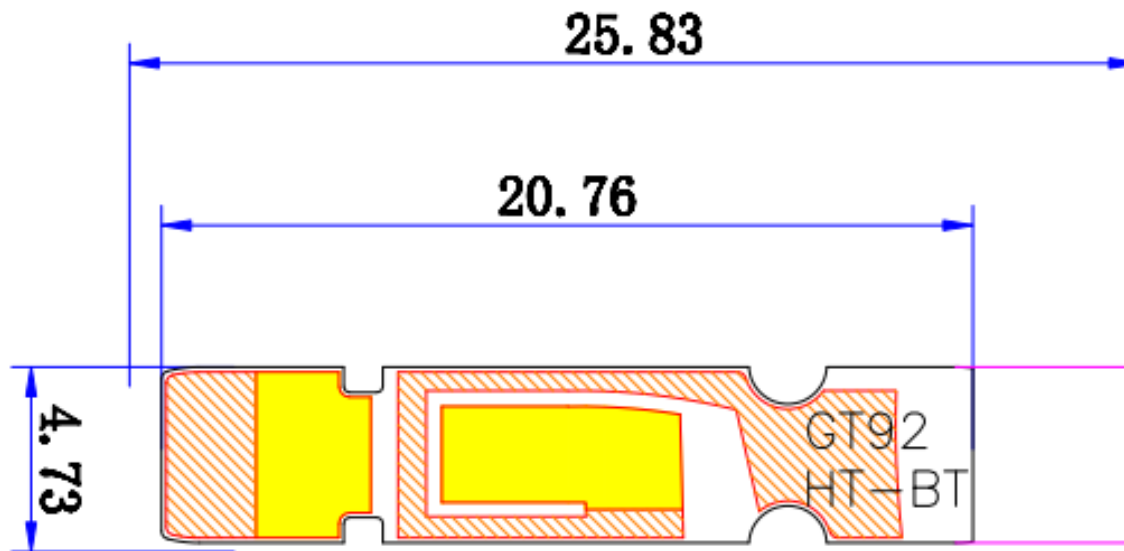
Product Overview & Dimension

Front



Product Overview & Dimension

Front



Purpose

This report is to measure the performance of BT antenna for **GT92**. The antenna operating frequency at **2.4~2.5GHz**, All test data are showed as below.

Content

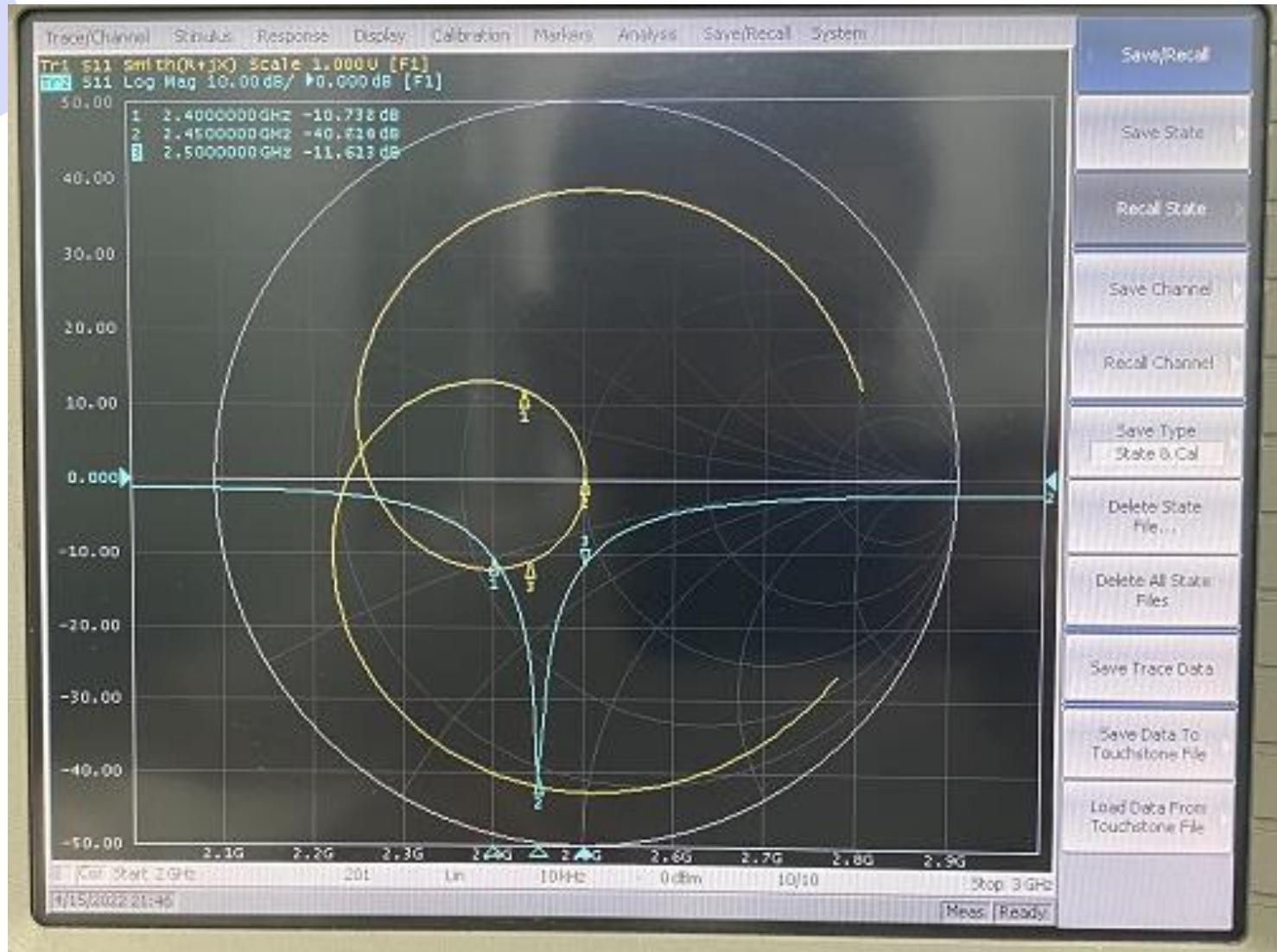
1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 S11 Parameter
 - 4.2 Test coordinate
 - 4.3 2D Pattern
 - 4.4 OTA Data
 - 4.5 BT Boot measured
5. Antenna Assembly & environmental processing

2. Test System

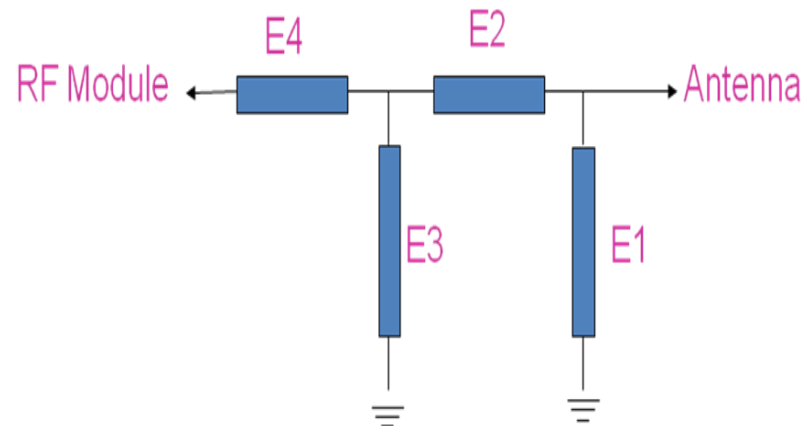
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	CMW500 & CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



S11—(BT ANT)



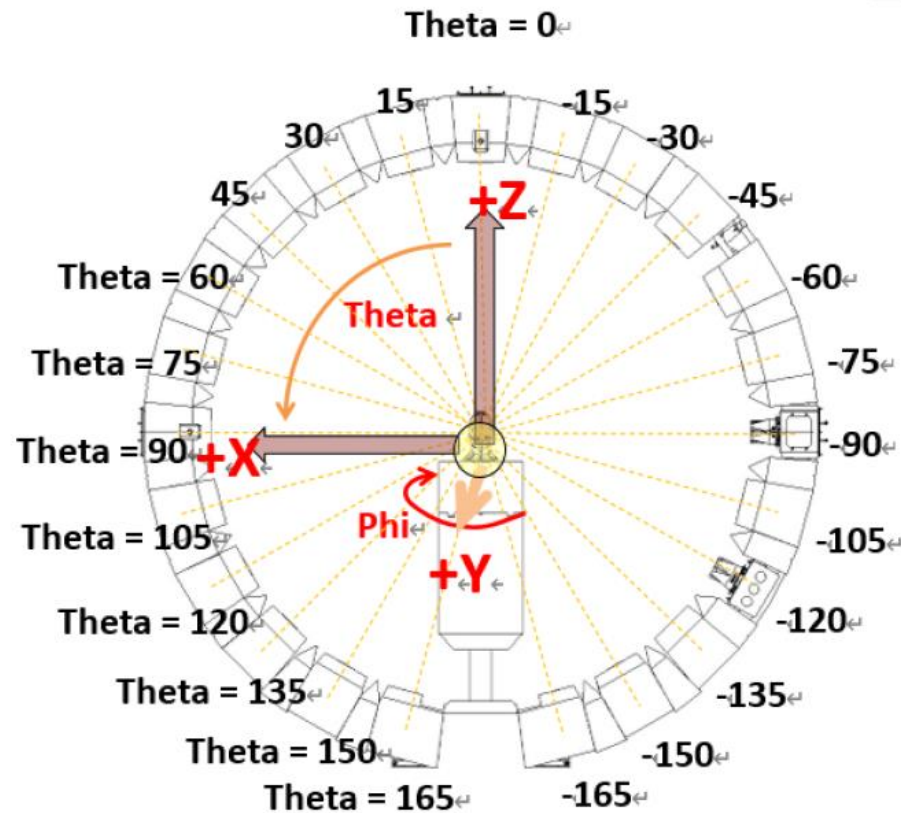
(L/R



E1	NC	NC	
E2	C=0 Ω /0201/Murata	Murata	±0.1PF
E3	C=1.5PF/0201/Murata	Murata	±0.1PF

Test Result

Sample status & coordinates



Test Result

Gain & Efficiency——BT- ANT(L/R)

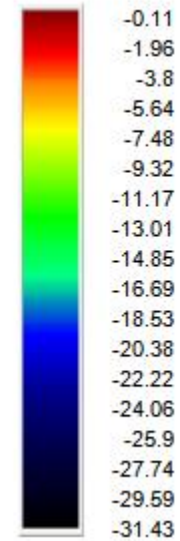
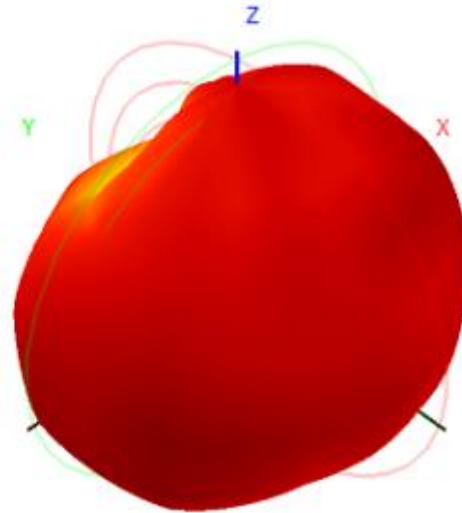
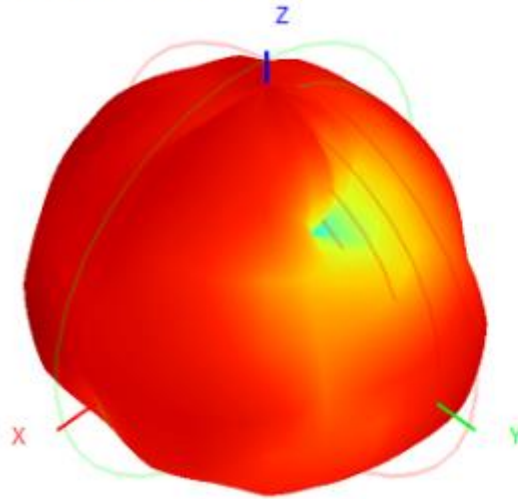
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	37.54	1.11
2410	36.68	1.19
2420	35.58	1.48
2430	37.07	1.38
2440	38.00	1.41
2450	38.60	1.42
2460	38.29	1.42
2470	38.95	1.58
2480	35.39	1.84
2490	37.42	1.03
2500	36.84	1.55

Test Result

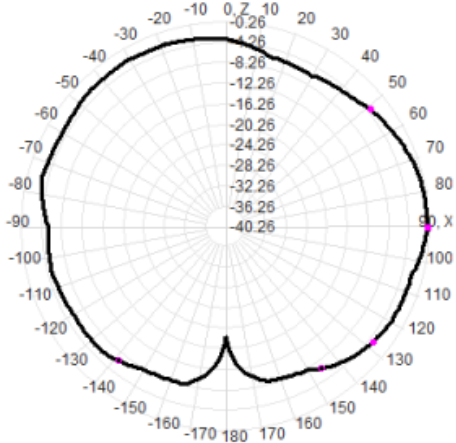
2D&3D — BT-ANT

2400.0MHz H+V, Eff: 37.5%

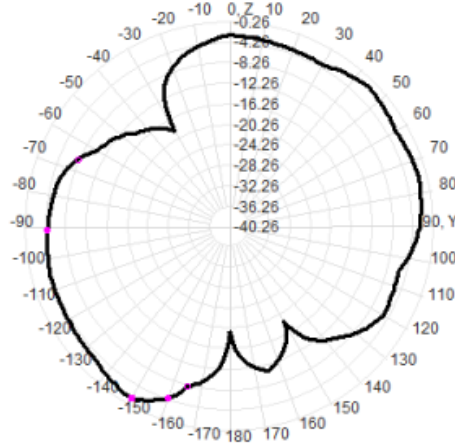
Back View



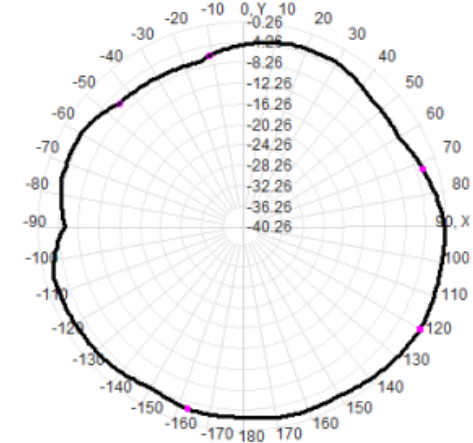
2400.0MHz Total(E1-XZ), Max=-0.84dBi



2400.0MHz Total(E2-YZ), Max=-1.72dBi



Total(H-XY), Max=-0.26dBi, CirD=6.83

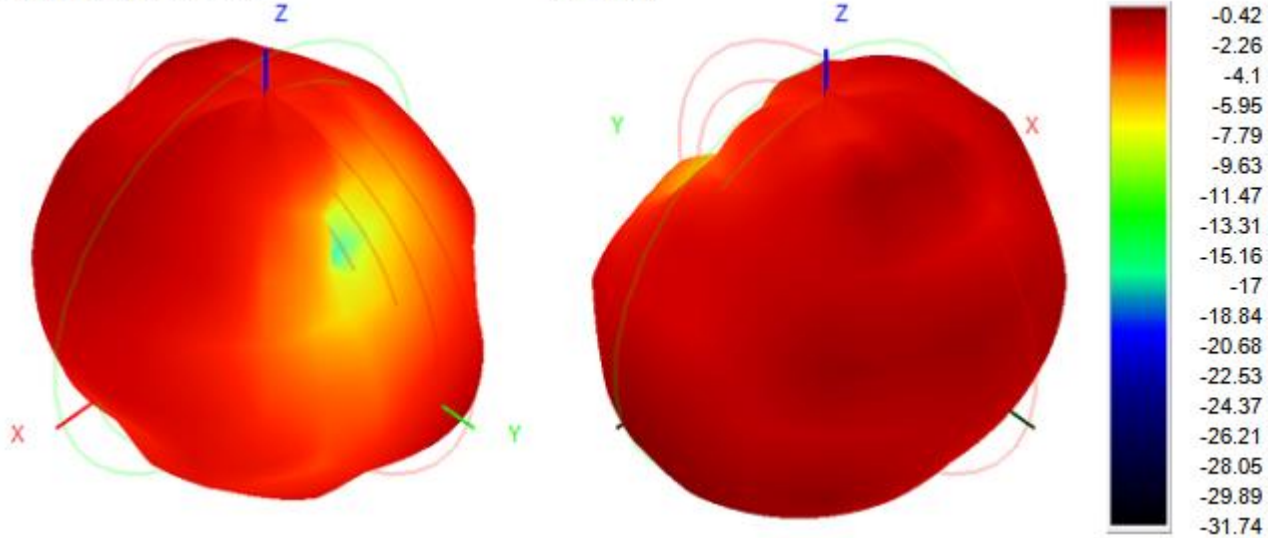


Test Result

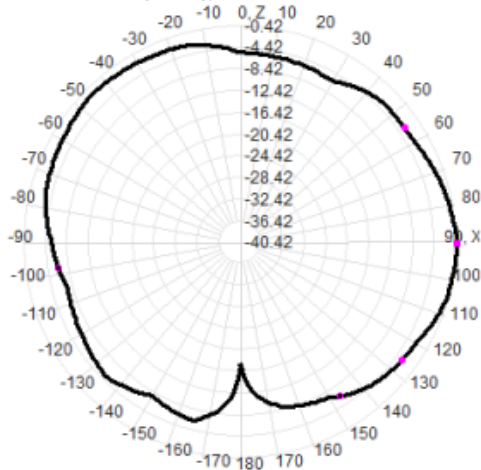
2D&3D — BT-ANT

2450.0MHz H+V, Eff: 38.6%

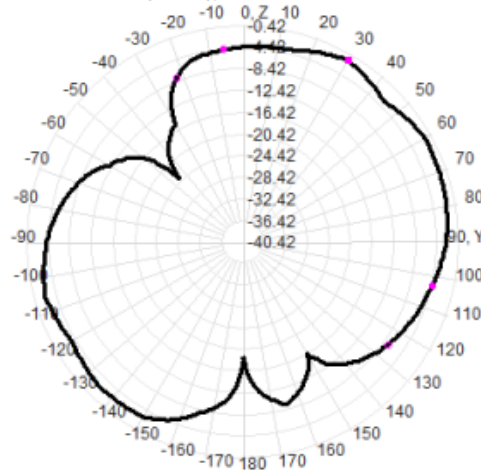
Back View



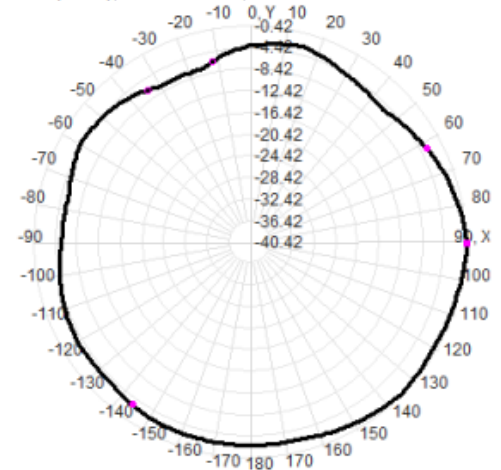
2450.0MHz Total(E1-XZ), Max= -0.42dBi



2450.0MHz Total(E2-YZ), Max= -1.67dBi



Total(H-XY), Max= -0.42dBi, CirD=6.82

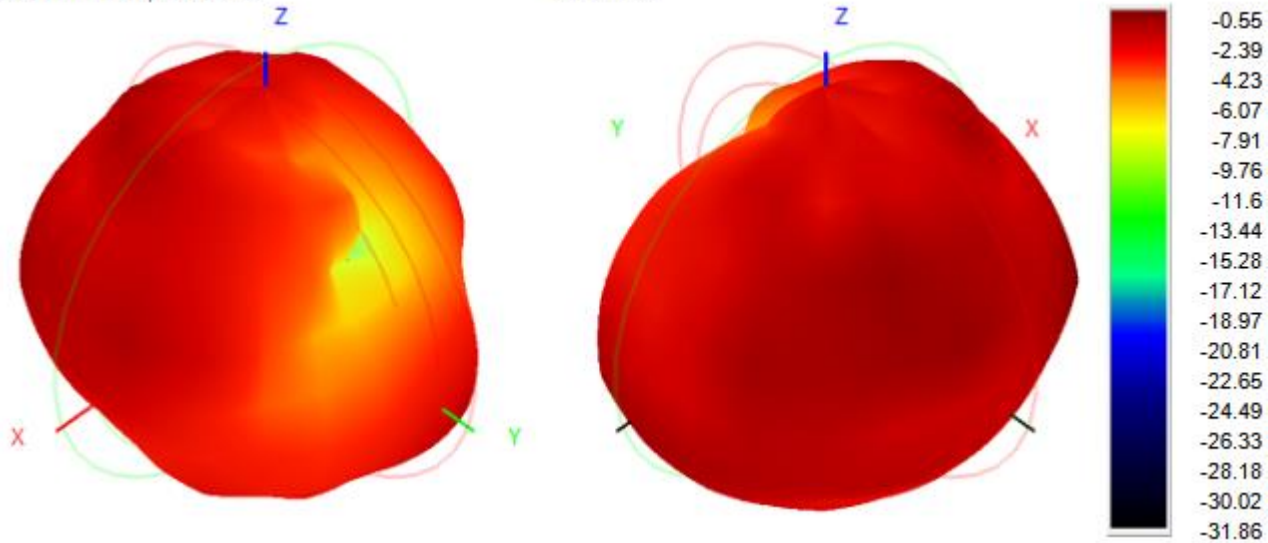


Test Result

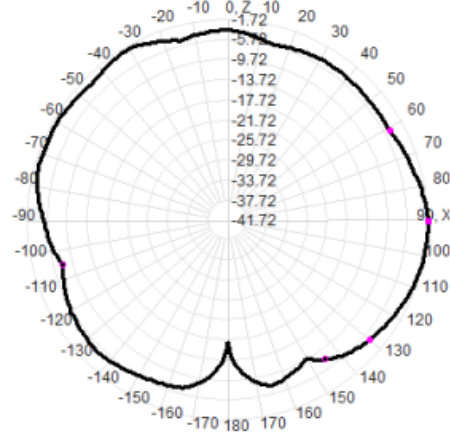
2D&3D — BT-ANT

2500.0MHz H+V, Eff: 36.8%

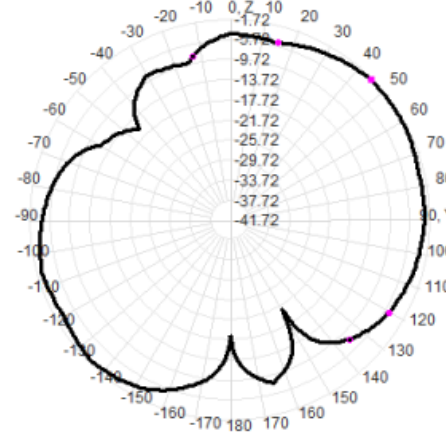
Back View



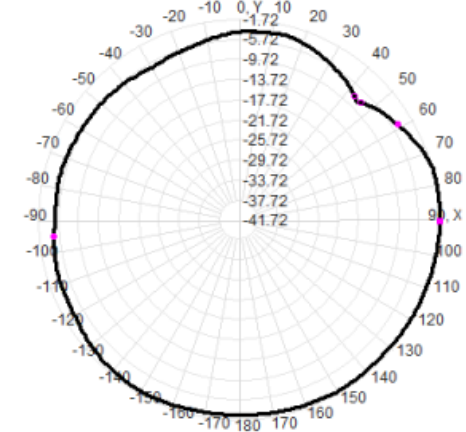
2500.0MHz Total(E1-XZ), Max=-1.72dBi



2500.0MHz Total(E2-YZ), Max=-2.13dBi



Total(H-XY), Max=-1.72dBi, CirD=6.72



Thanks for your comment!

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