

OTA TEST REPORT

Report Reference No. :

Compiled by: Xiaofeng TU
(position+printed name+signature) (File administrators)

Tested by: Xiaofeng TU
(position+printed name+signature) (Test Engineer)

Approved by: Ping LIU
(position+printed name+signature) (Manager)

Product Name : LORA Antenna

Model/Type reference : LORA Antenna

Trade Mark : DANDI

Applicant's name :

Address of applicant :

Test Firm : SHANGHAI DANDI COMMUNICATION TECH CO..LID

Address of Test Firm : 1#.NO951.Shenglong,Road, Jiuting Town, Songjiang District,
Shanghai 201615, China.

Test specification :

Reference Standard..... :

TRF Originator :

Master TRF :

Date of receipt of test item : Apr. 25 , 2024

Date of sampling..... : Apr. 25 , 2024

Date of Test Date : Apr. 25 , 2024–Apr. 28 , 2024

Data of Issue : Apr. 28 , 2024

Result : Pass

TEST REPORT

Test Report No. :	Apr. 28 , 2024
	Date of issue

Equipment under Test : LORA Antenna

Model /Type : LORA Antenna

Applicant :

Address :

Manufacturer :

Address :

Test result	Pass *
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* In the configuration tested, the EUT complied with the standards specified page 5.

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

[illegible]

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1 SUMMAR OF TEST RESULTS

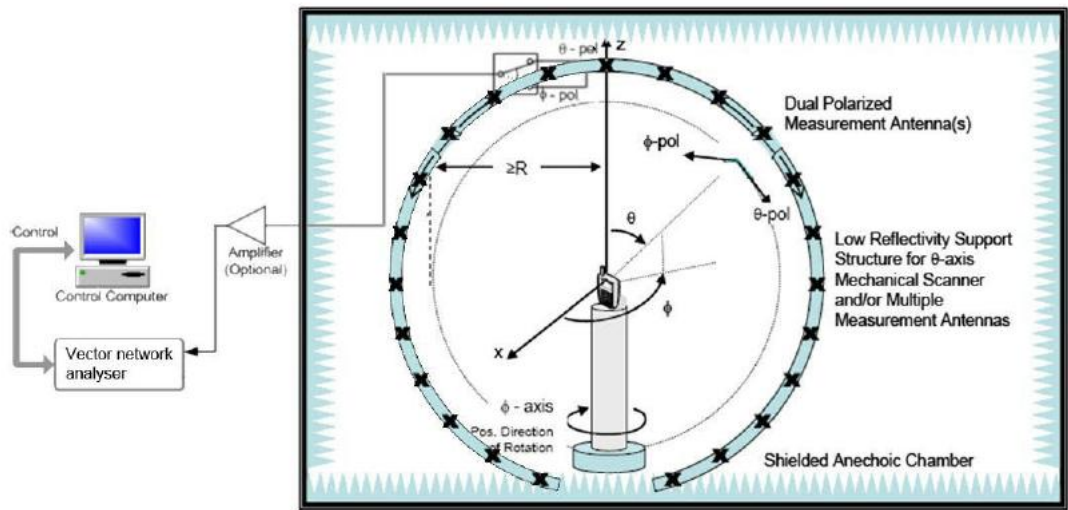
1.1 Equipment under Test

No.	EUT status
1#	intact

1.2 Test method

1. Test 1 antennas under Standard IEEE149-1979 and record the test results(first test results).

1.3 Test Setup



1.4 Test Conditions

For twice test conditions, please see the table below:

Test No.	Test date	Ambient Pressure(KPa)	Temperature($^{\circ}$ C)	Relative Humidity(%)
1	2024.04.25	100-102	20-25	50-60

1.5 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Vector Network Analyzer	Agilent	E5071C	MY46417941	2023.5.16	2024.5.15
4.5*4.5*4.5 Full Anechoic Chamber	FEITUKEJI	4.5*4.5*4.5			
SG24 Multi-probe Antenna Measurement System	FEITUKEJI	SG24			

2 TEST ITEM AND RESULTS

2.1 1#

First Test results:

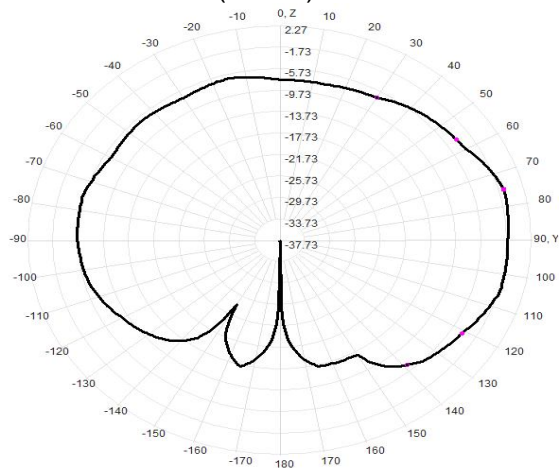
863MHz-870MHz、902MHz-928MHz

Gain and Efficiency

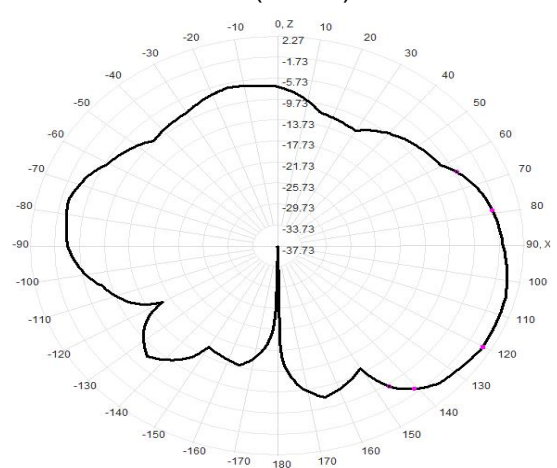
EUT NO	2#		
Frequency	VSWR	Gain(dBi)	Efficiency(%)
863MHz	1.79	3.63	41.91%
868MHz	1.64	3.11	39.51%
870MHz	1.58	3.04	39.63%
902MHz	1.03	2.95	43.23%
915MHz	1.21	3.82	50.34%
928MHz	1.60	3.54	49.75%

Radiation Pattern

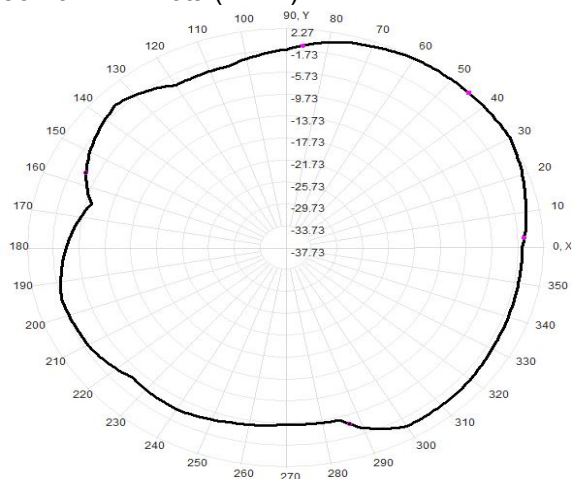
864.0MHz Total(E1-XZ)



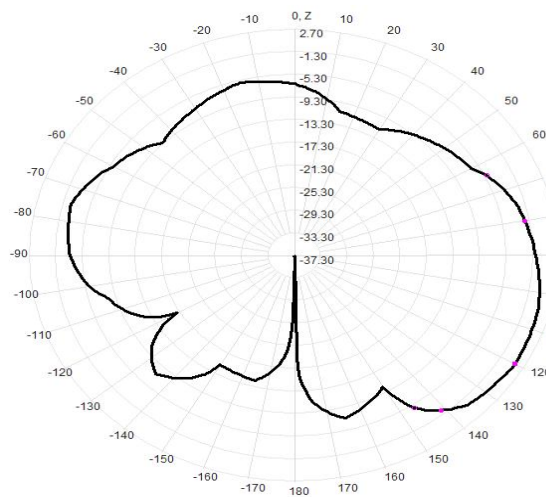
864.0MHz Total(E2-YZ)



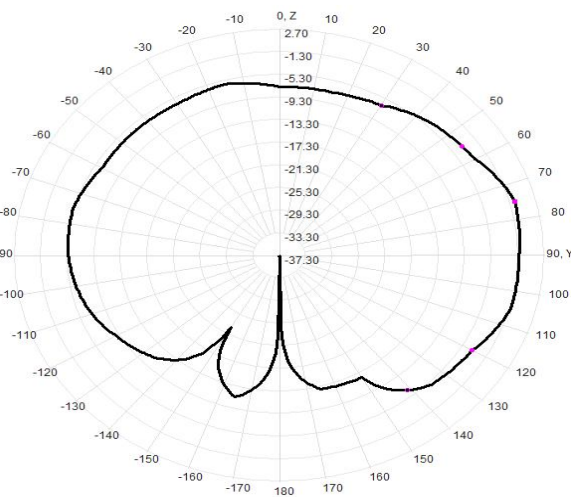
864.0MHz Total(H-XY)



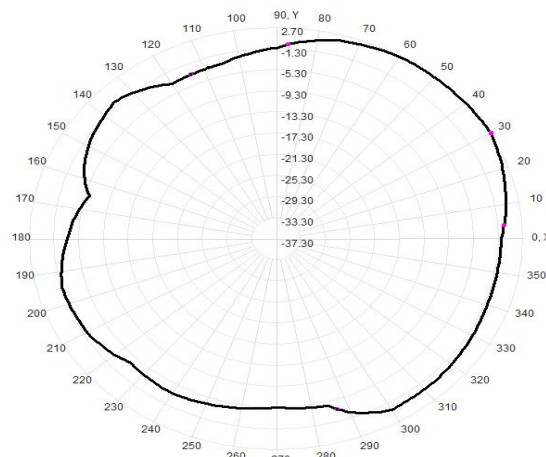
868.0MHz Total(E1-XZ)



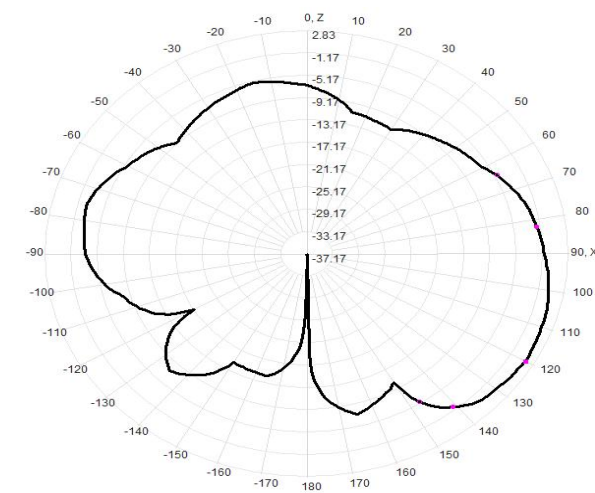
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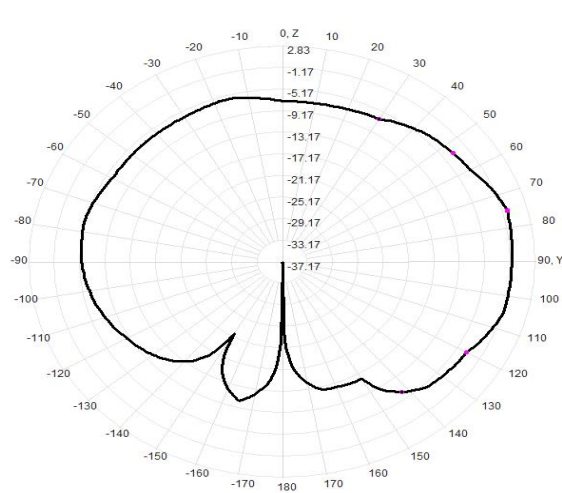
868.0MHz Total(H-XY)



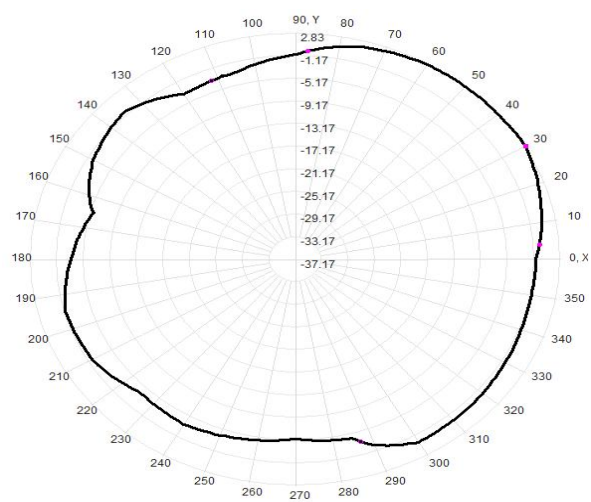
870.0MHz Total(E1-XZ)



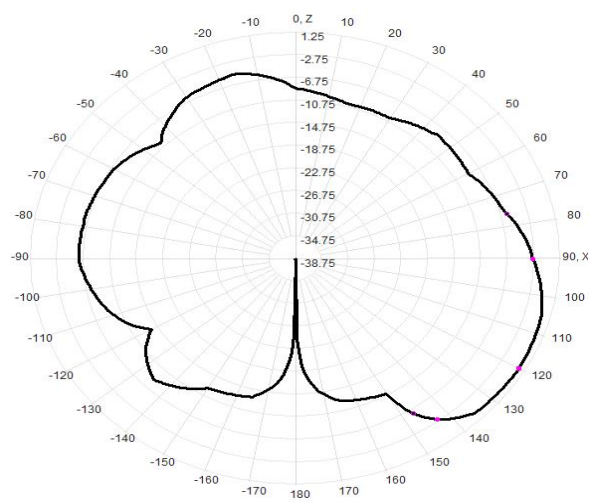
870.0MHz Total(E2-YZ)



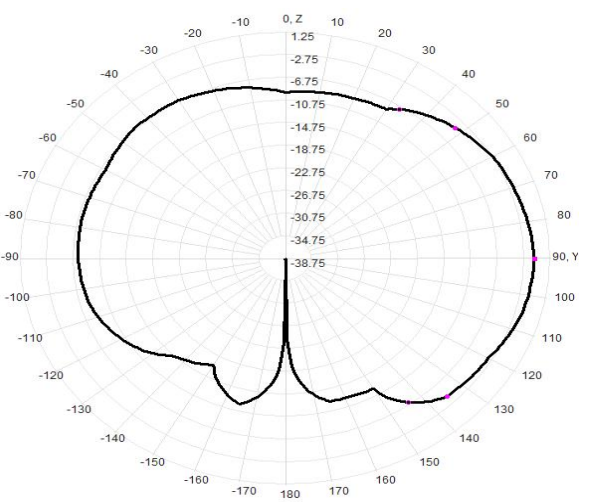
870.0MHz Total(H-XY)



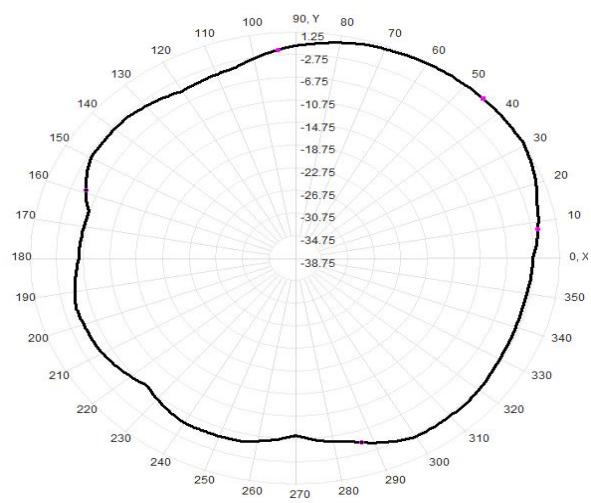
902.0MHz Total(E1-XZ)



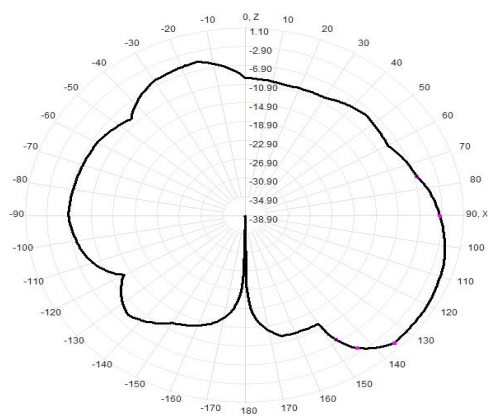
902.0MHz Total(E2-YZ)



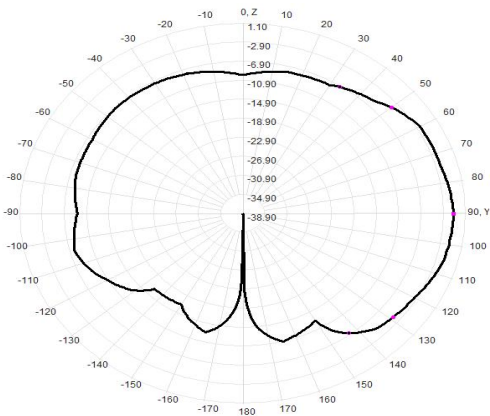
902.0MHz Total(H-XY)



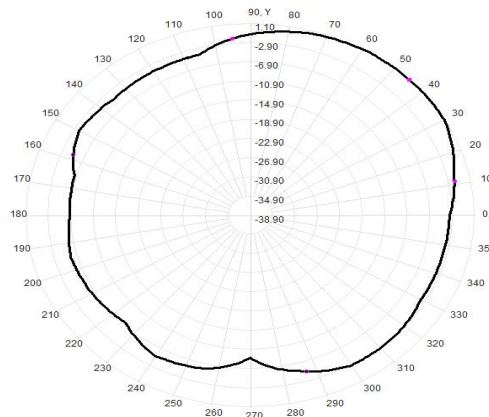
916.0MHz Total(E1-XZ)



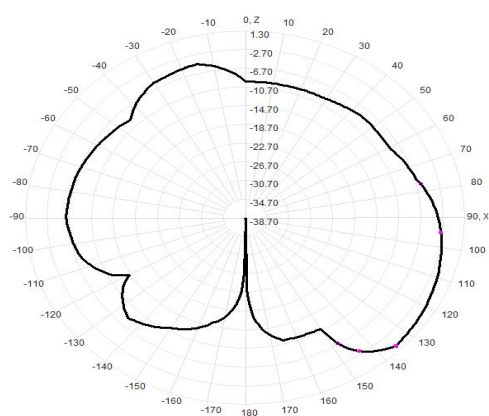
916.0MHz Total(E1-XZ)



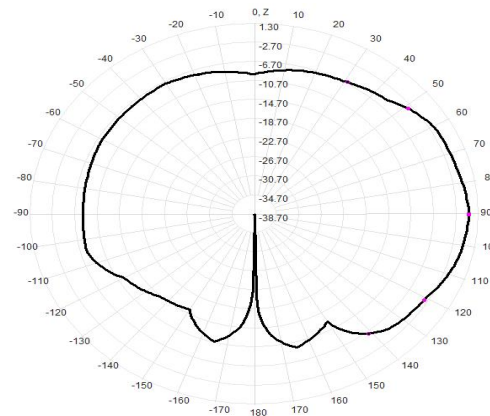
916.0MHz Total(H-XY)



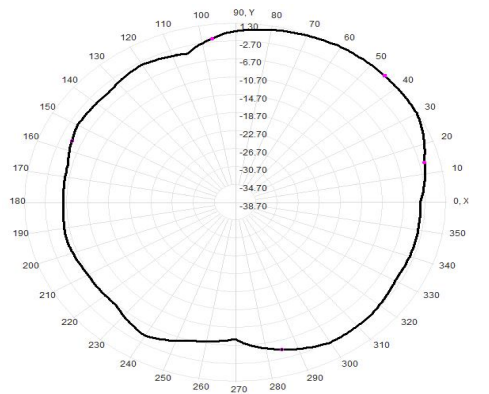
928.0MHz Total(E1-XZ)



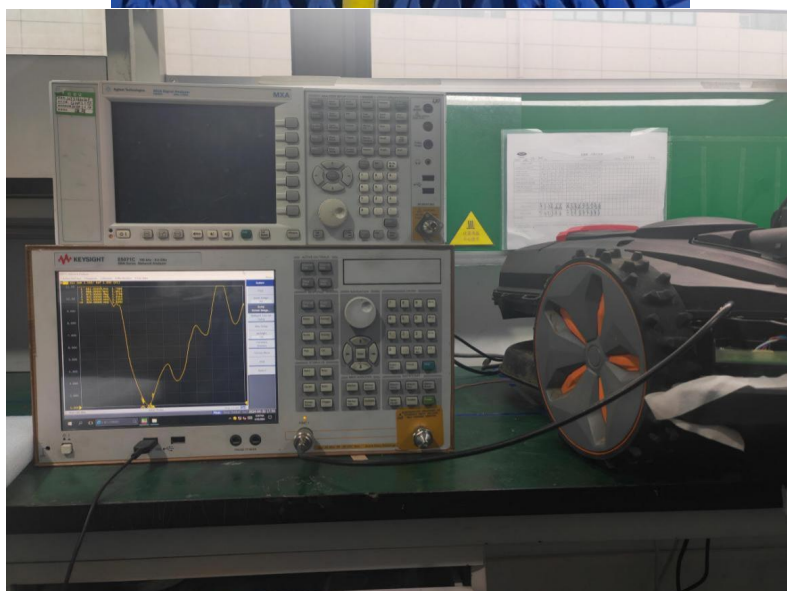
928.0MHz Total(E2-YZ)



928.0MHz Total(H-XY),



3 Test Setup Photos of the EUT



4 Photos of the EUT



***** End of Report *****