



Antenna Test Report

Customer : **DEVIALET**
Project : **ED002**
Date **20231030**



Antenna Test Report

Test Setup for Radiation Pattern Measurement



Equipment	Brand	Module Type
Network Analyzer	keysight	5071c (100K-8.5G)
Signal Generator	R&S	CMW500
Signal Generator	Agilent	E4438C
3D Anechoic chamber	General Test	RayZone 2800



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ANT picture



Manufacturer : ATWE Intelligent Communications(Shenzhen) Co., Ltd

Test software /equipment : RayZone 2800

Equipment calibration date : 2023-01-15

Manufacturer address : 1st Floor, Building 55, Dayun Software Town, 8288 Longgang Avenue,
Longgang District, Shenzhen

Test Lab : Tiinlab---RF-Lab



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Results Summary

Gain & Efficiency

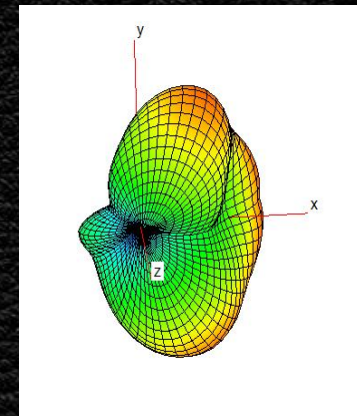
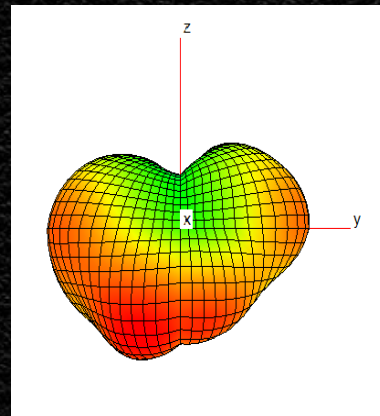
Frequency (MHz)	L		R	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400	-2.9	27.1	-3.3	26.3
2410	-2.7	27.5	-3.3	26.6
2420	-2.6	28.4	-3.1	27.2
2430	-2.5	29.4	-3	28.4
2440	-2.4	29.2	-2.8	28.6
2450	-2.7	28.4	-2.7	28.4
2460	-2.8	27.8	-2.7	28
2470	-3	26.7	-2.9	27.7
2480	-3.1	26.5	-3.2	26.8
2490	-3.5	26.4	-3.2	26.5
2500	-3.6	26.1	-3.3	26.2



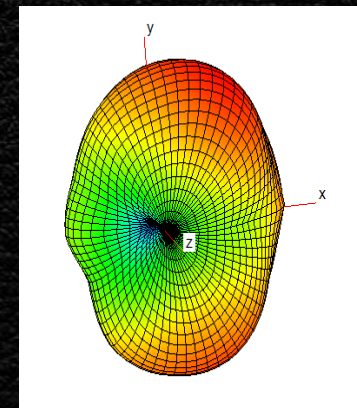
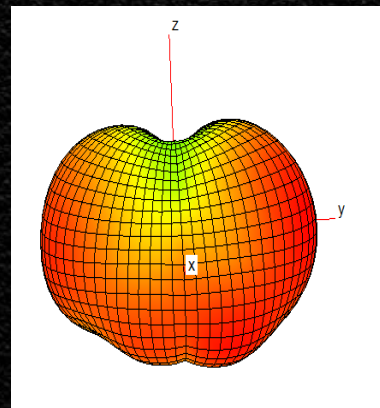
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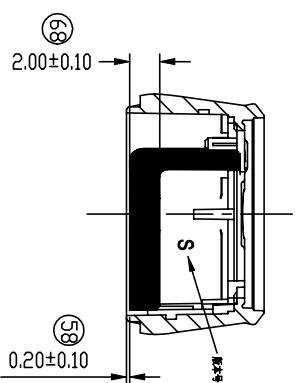
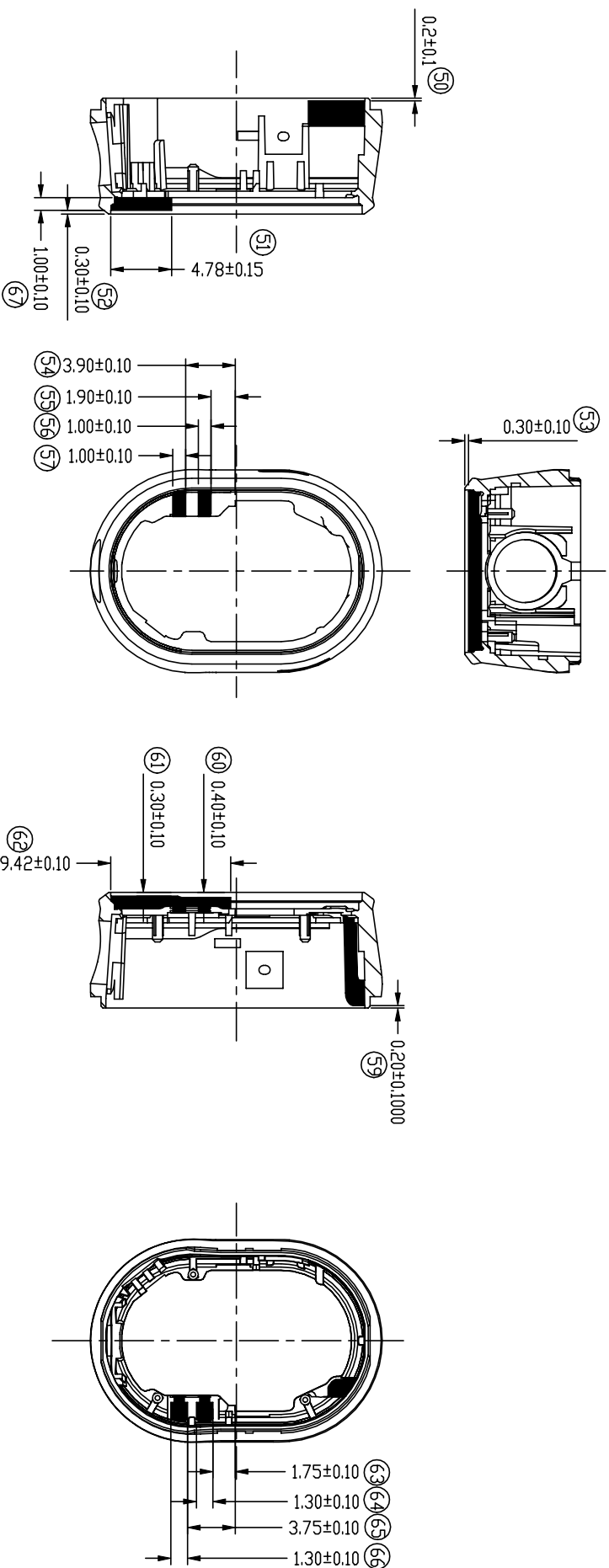
Radiation Pattern

L



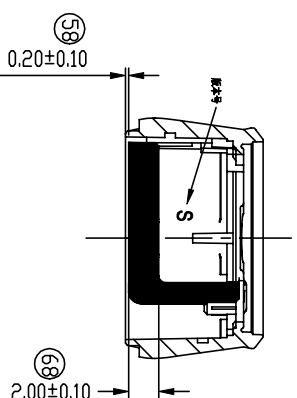
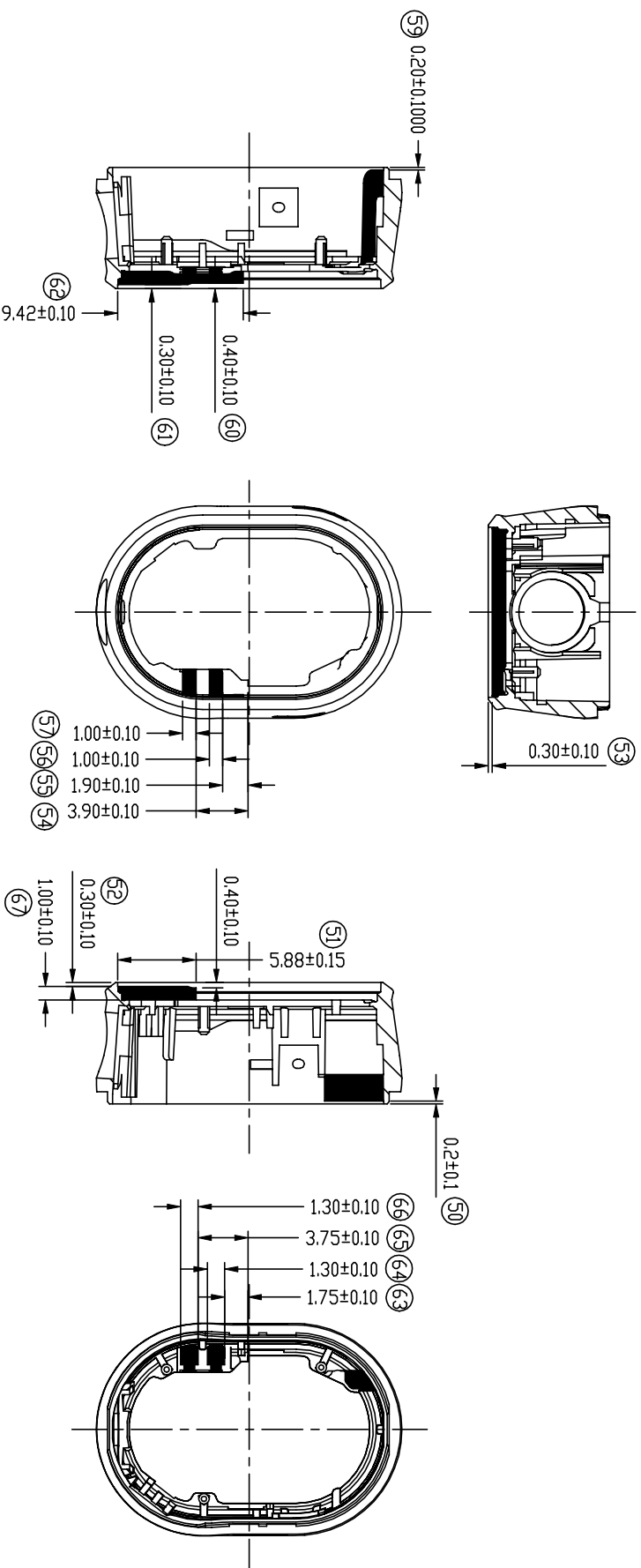
R





技术要求:
1、黄色面为LDS区域,厚度0.02mm以内。
2、天线需做百格测试。
3、天线需过48H盐雾测试。
4、天线需外观用达因笔测试,需过34达因。
5、中壳

A0		REL FOR TOOLING		CHG.BY	APPR.BY	DATE
REVISION	DESCRIPTION/REVISION	CHG.BY	APPR.BY	DATE		
DES. BY	Devn Tang	DATE	06/01/2023	PRODUCT NAME		
CHK. BY	彭浩亮	DATE	06/01/2023	Middle-case-L		
APR. BY	郑青青	DATE	06/01/2023	左中壳		
THIRD ANGLE PROJECTION				DWG. NO.	020100A513-黑色款	
TOLERANCE UNLESS OTHERWISE STATED				Mo'terial	020100A691-白色款	
0~5	±0.05					
5.1~10	±0.08					
10.1~50	±0.10					
50.1~100	±0.15					
100.1~	±0.30					
ANGULAR	±1/4°					
NOTICE THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY AND MAY NOT BE DISCLOSED OR USED IN ANY WAY WITHOUT THE EXPRESSED WRITTEN PERMISSION OF Timlab.						
				UNITS	mm	
				SHEET	2	
				DF	2	



技术要求:

- 黄色面为LDS区域,厚度0.02mm以内。
- 天线需做百格测试。
- 天线需通过48H盐雾测试。
- 天线需通过48H盐雾测试。
- 中壳外观面用达因笔测试,需过34达因。

A1		REL FOR TOOLING		CHG.BY	APPR.BY	DATE
REVISION	DESCRIPTION/REVISION	DATE	DATE	DATE	DATE	DATE
DES. BY	Devn Tang	10/26/2023	10/26/2023	10/26/2023		
CHK. BY	彭浩亮	10/26/2023	10/26/2023	10/26/2023		
APR. BY	郑青青	10/26/2023	10/26/2023	10/26/2023		
THIRD ANGLE PROJECTION		NOTICE		DWG. NO.	020100A841-黄色款 020100A845-白色款	
TOLERANCE UNLESS OTHERWISE STATED		THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY AND MAY NOT BE DISCLOSED OR USED IN ANY WAY WITHOUT THE EXPRESSED WRITTEN PERMISSION OF Timlab.		MODEL	ED002	Rev
0~5	± 0.05			SCALE	2:1	SIZE
5.1~10	± 0.08			UNITS	mm	SHEET
10.1~50	± 0.10			PC+ABS		
50.1~100	± 0.15			A1		
100.1~	± 0.30			A4		
ANGULAR	$\pm 1/4^\circ$			2 DF 2		



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THANK YOU !

