

AW-CM358AN

Antenna Test Report

2022/8/22

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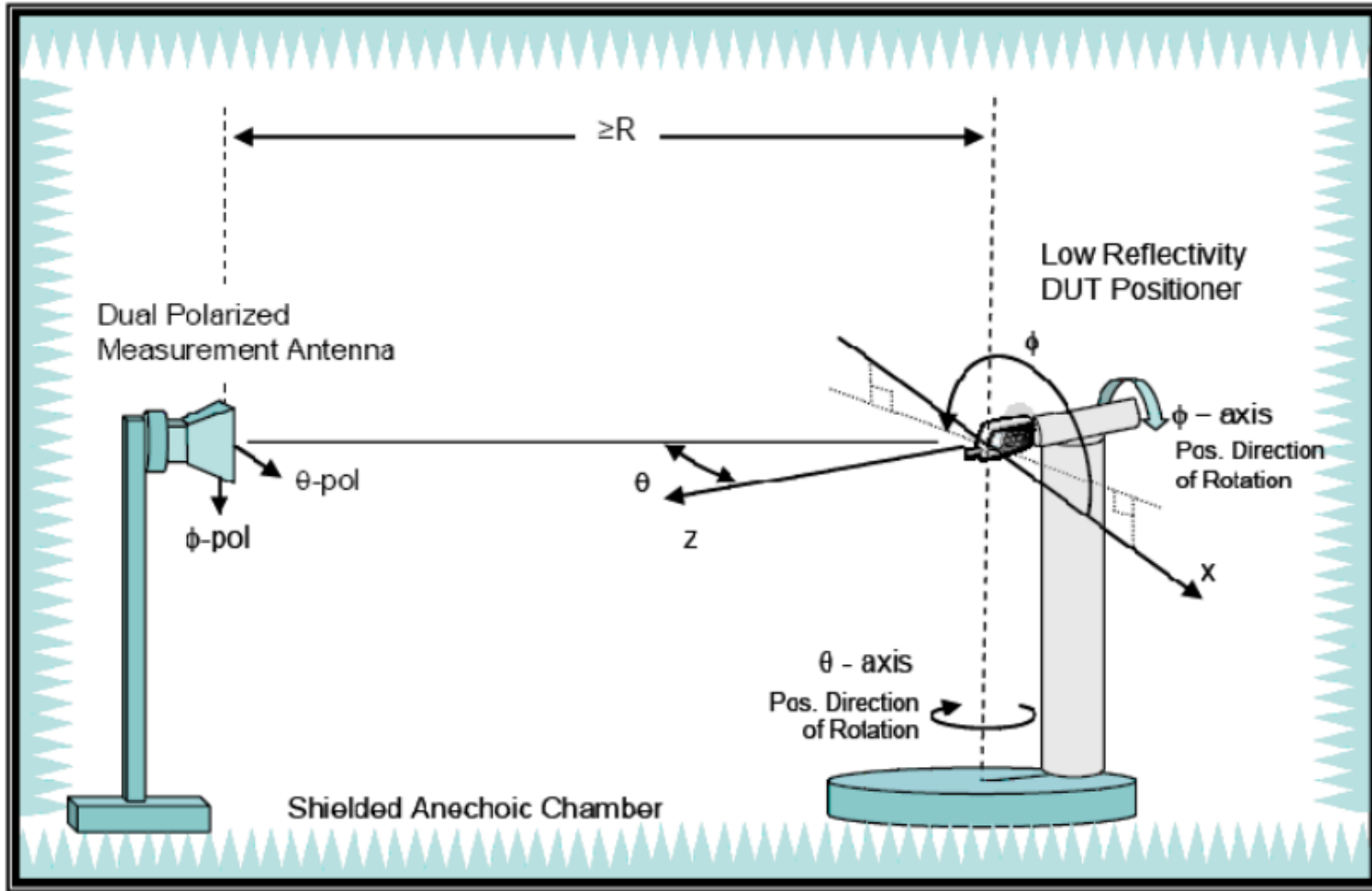
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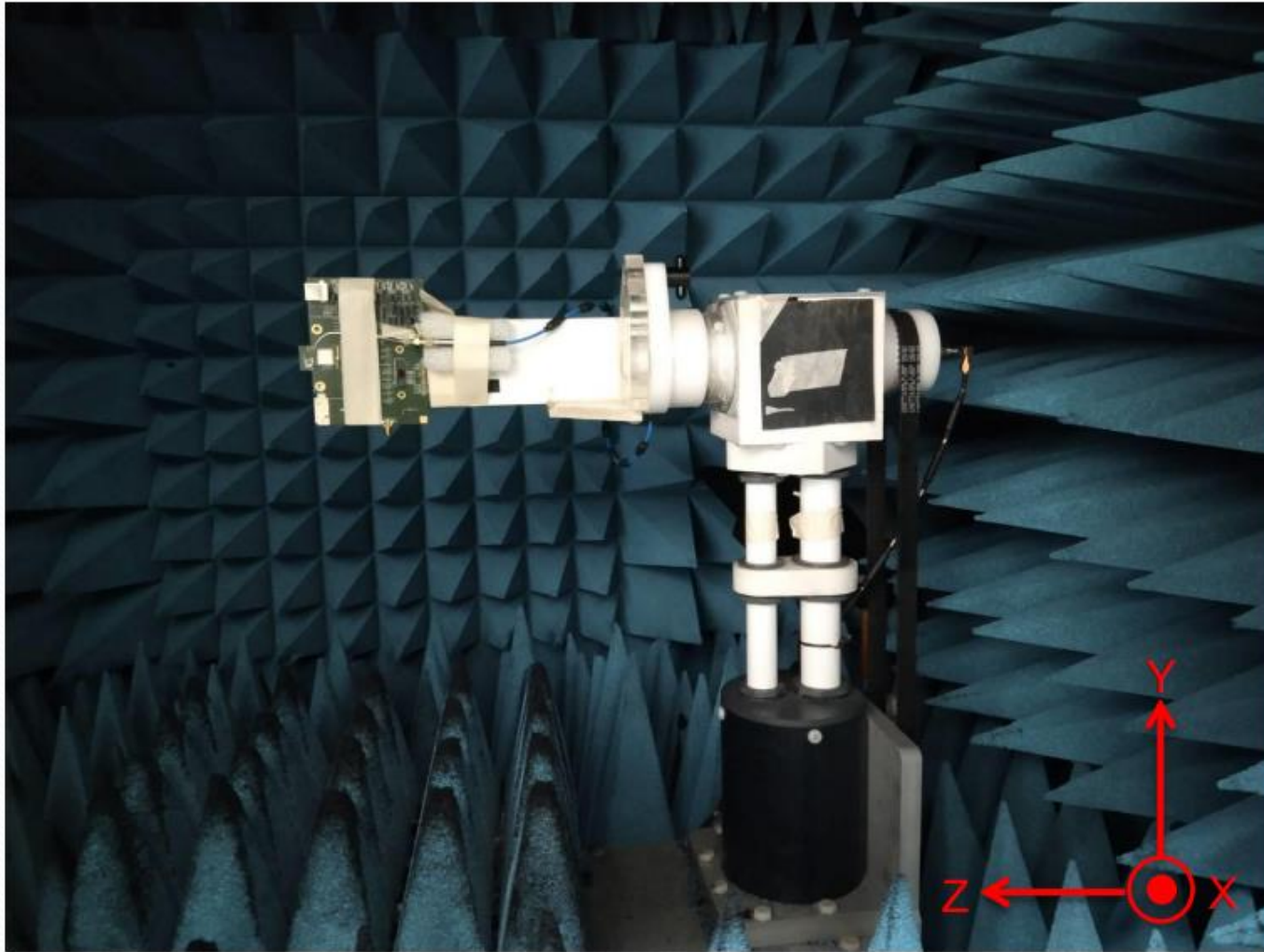
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Antenna Test System

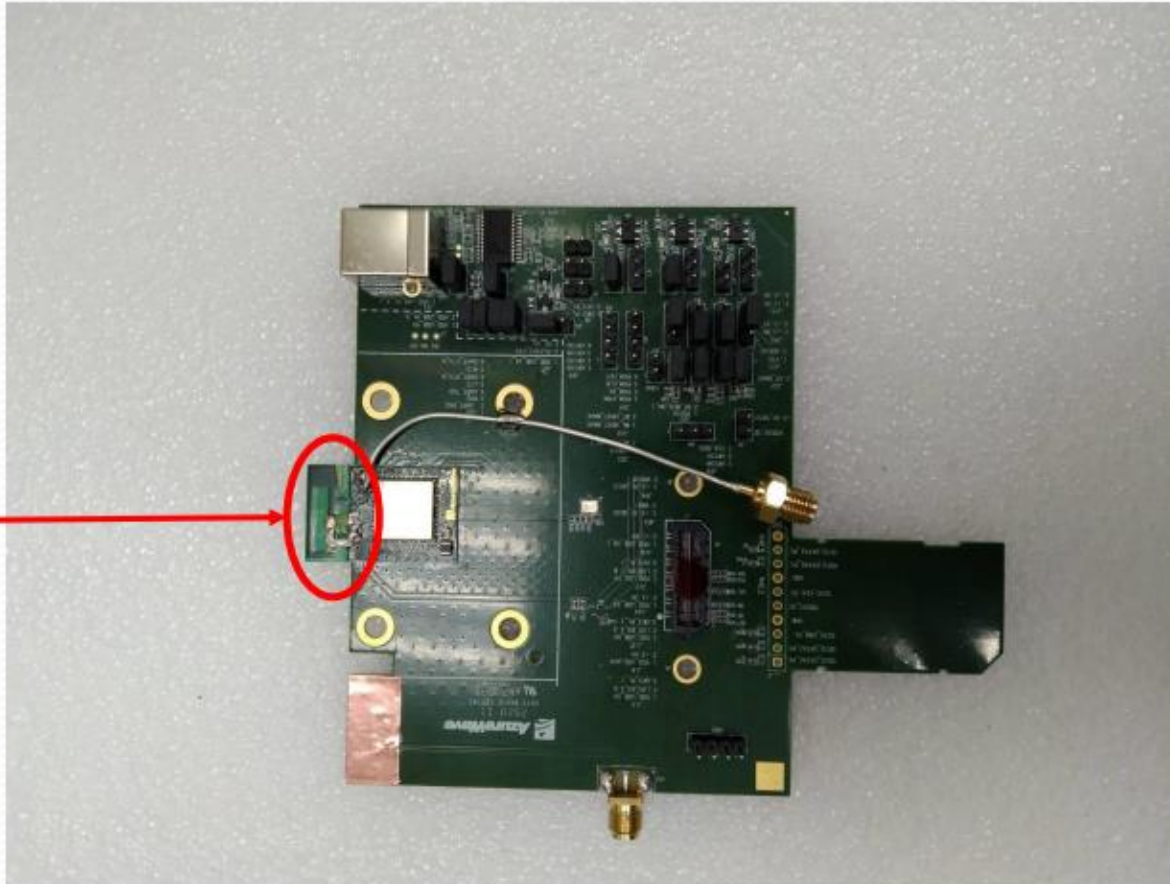


Antenna Under Test

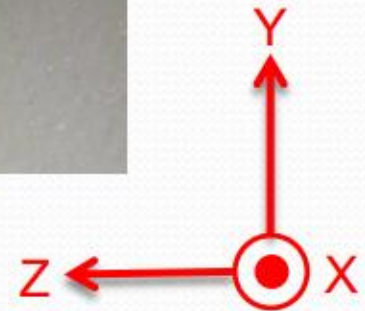


Antenna Placement

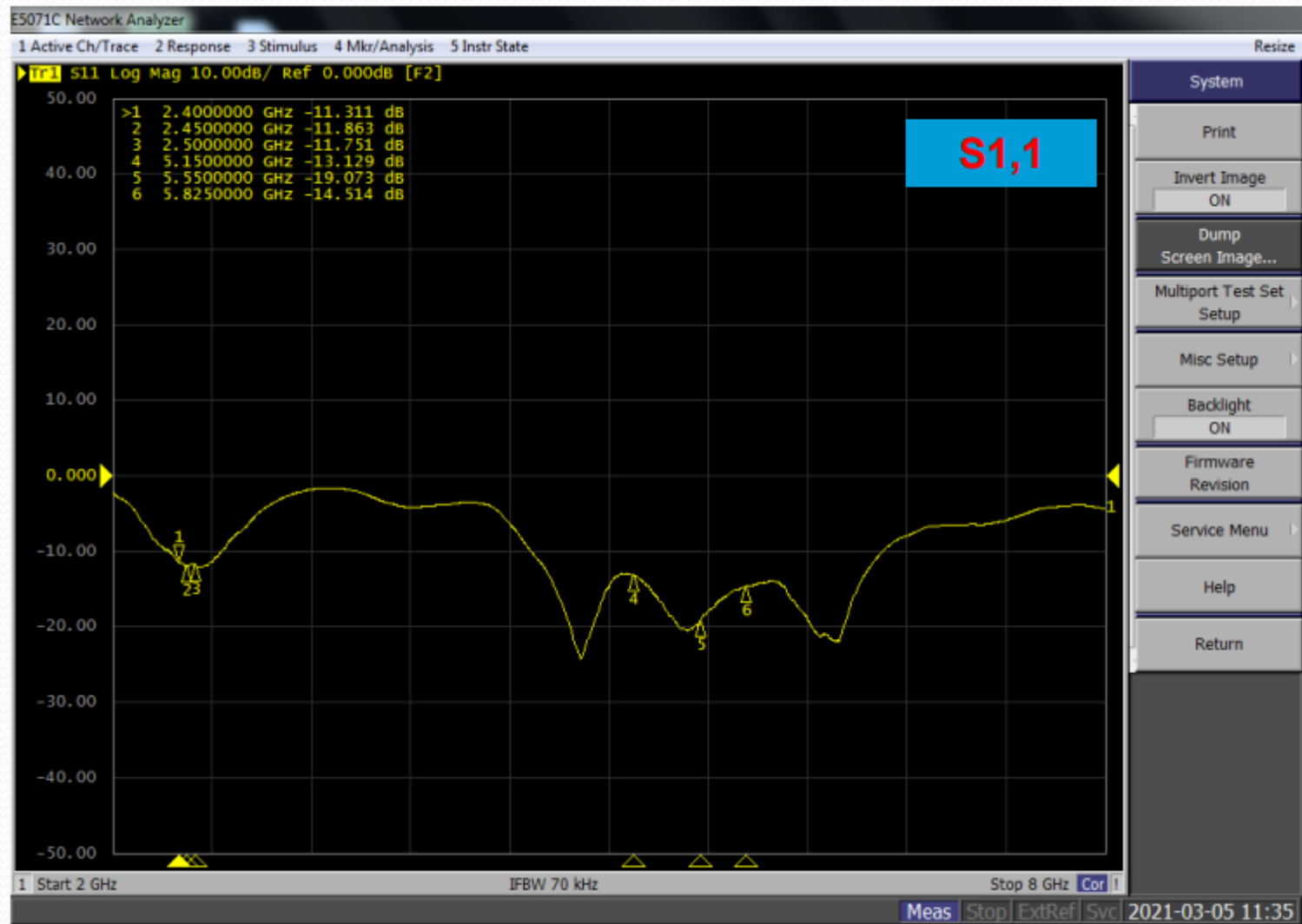
Ant



Ant :Dual Band(2.4GHz & 5GHz)



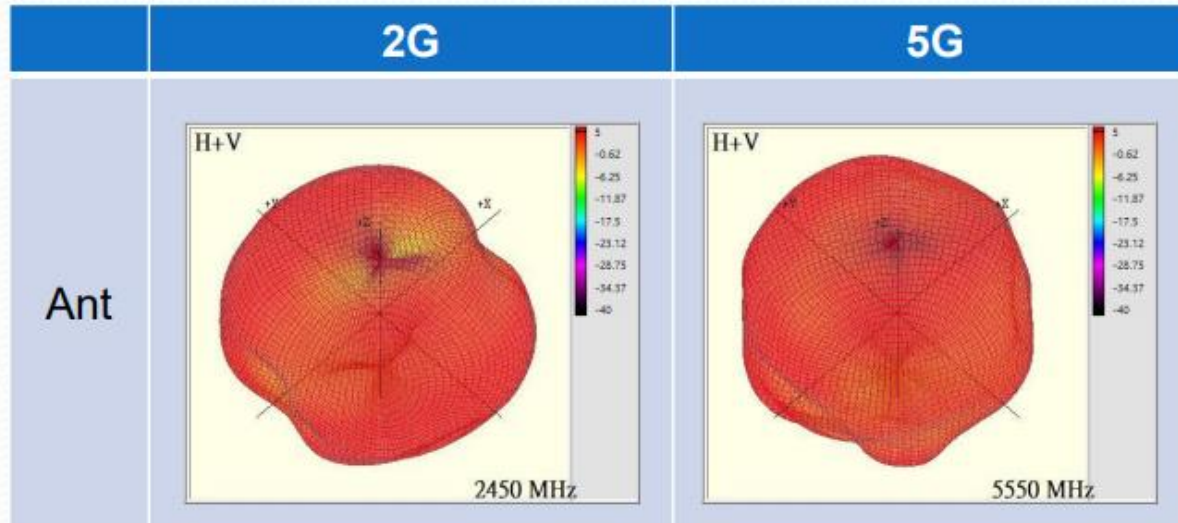
S-parameter



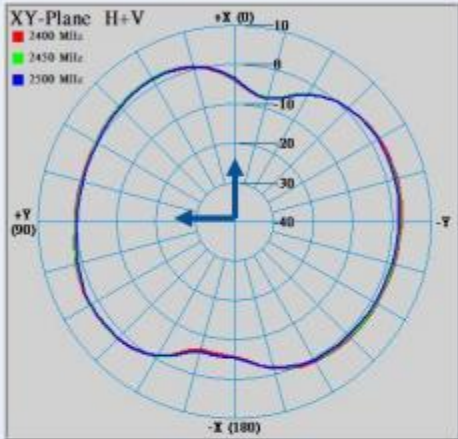
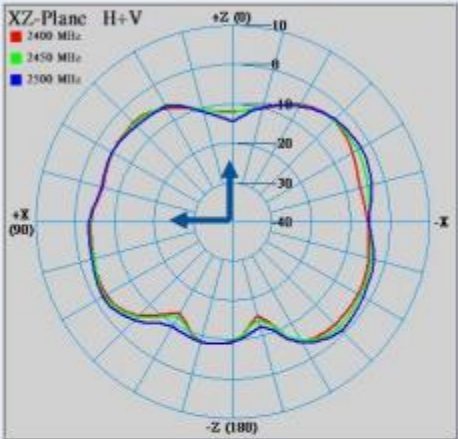
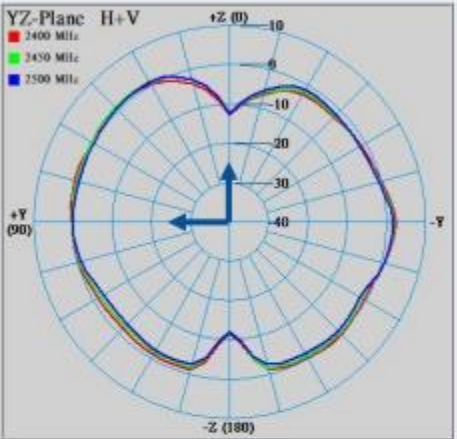
Gain Table

	Ant.1					
Frequency(MHz)	2400	2450	2500	5150	5550	5825
Efficiency(%)	63	61	60	67	65	69
Peak Gain(dBi)	3.4	3.2	3.2	2.6	3.3	3.4

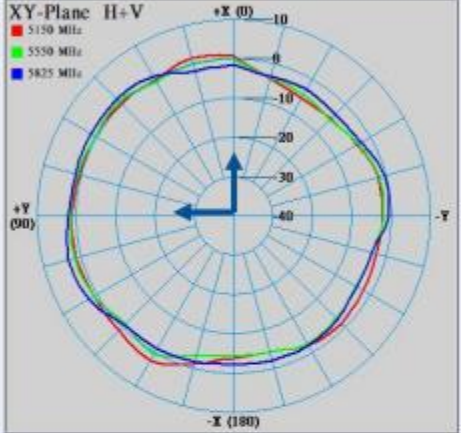
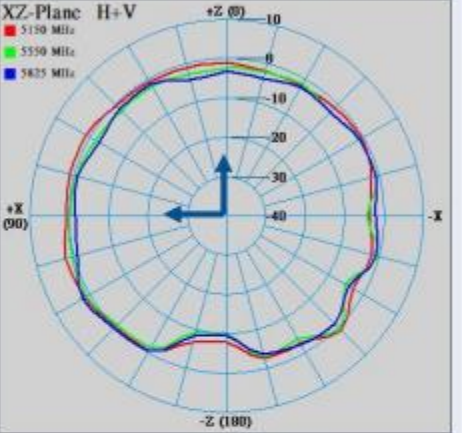
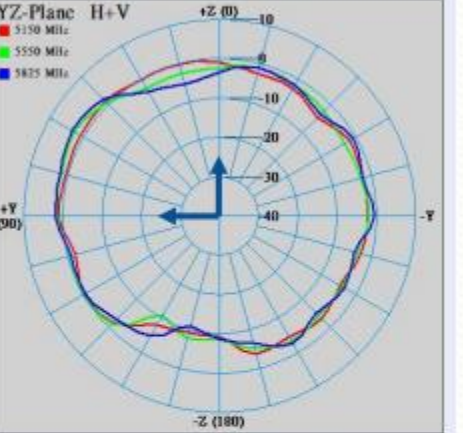
Ant 3D Radiation Pattern



Ant 2.4G_2D Radiation Pattern

Frequency	2.4GHz		
Plane	XY	ZX	ZY
Radiation Pattern			
			

Ant 5G_2D Radiation Pattern

Frequency	5GHz		
Plane	XY	ZX	ZY
Radiation Pattern			
			

Summary

- The antenna characteristics
 - Return loss $< -10\text{dB}$ in operating band
 - Gain
 - Ant 2.4G band $3.2\sim 3.4\text{dBi}$
 - Ant 5G band $2.6\sim 3.4\text{dBi}$
 - Efficiency
 - Ant 2.4G band $> 60\%$
 - Ant 5G band $> 65\%$

F

E

D

C

B

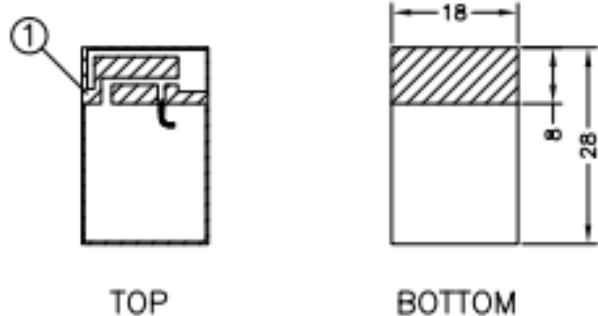
A

1

2

3

4



備註:

:Without GND

No.	Description	Specification	Qty	Notes
1	Without GND			

TOLERANCE		CUSTOMER	PART NO.	DESCRIPTION:		DWG NO.	REV.
XXX.	±1.0	----	----	Layout guideline		2520	A1
XX.	±0.5	PROJECTION		UNIT	SCALE	SIZE	SHEET
X.	±0.3			mm	1:1	A4	1/1
.X	±0.1	APPROVED:		DESIGNED:		DRAWN:	
.XX	±0.05	-----		Jerry		Anna	

Inspired by wireless

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