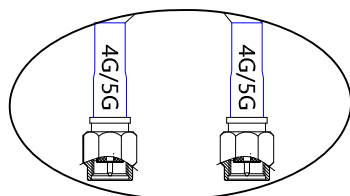
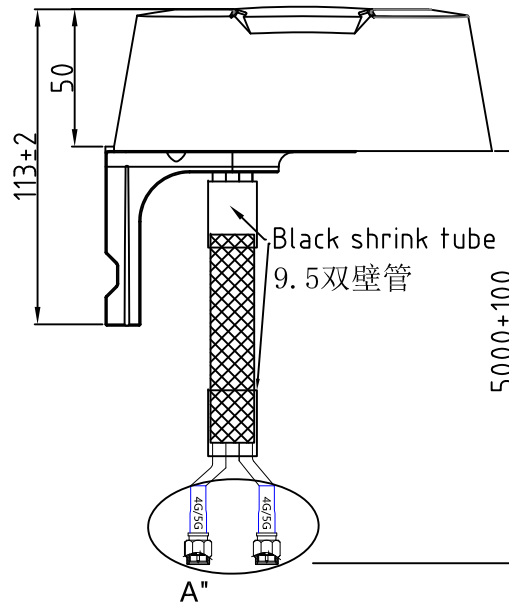
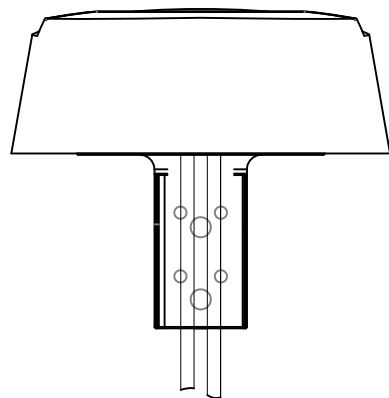


Wall Mounting x4  
Screw 4x25L x4



A"-A"  
4G/5G Blue Shrink tube  
蓝色热缩套管

Electrical Properties	
Frequency Range	2* 600~6000MHz
Impedance	50 Ω
V.S.W.R.	≤2.0
Radiation	Omni
Gain	7±1DBi
Polarization	Vertical
Mechanical Properties	
Whip	PC+ABS
Standard Connector	SMA MALE
Waterprooflevel	IP68
Operating Temp	-φ40°~ +80°

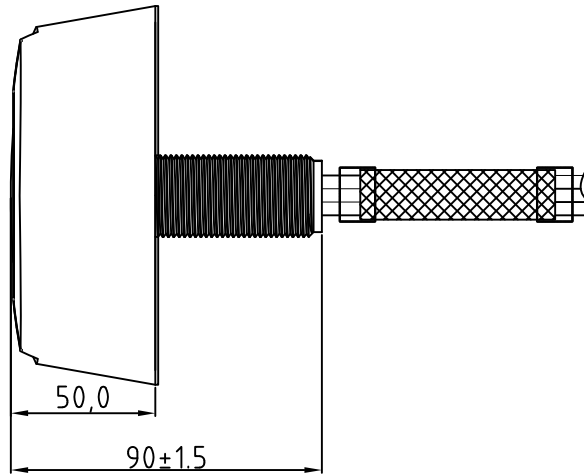
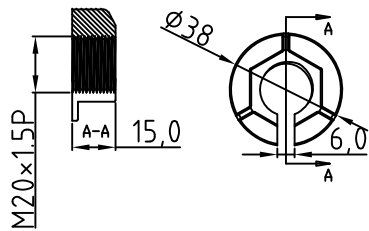
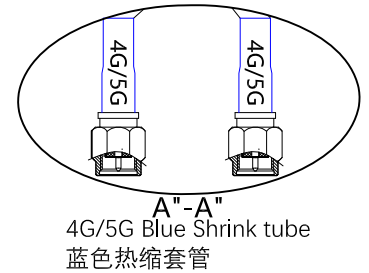
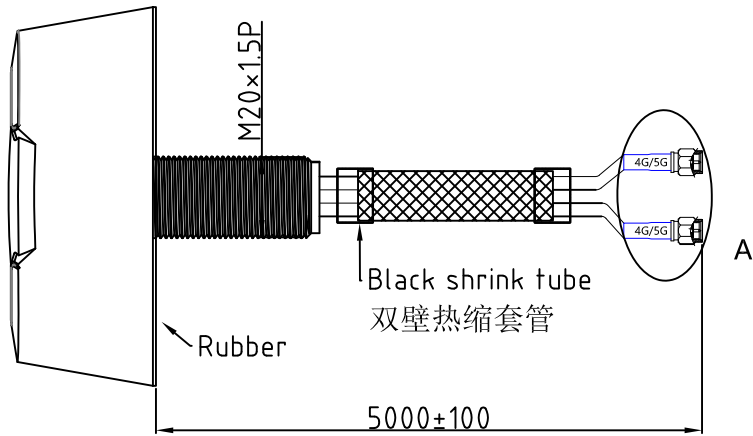
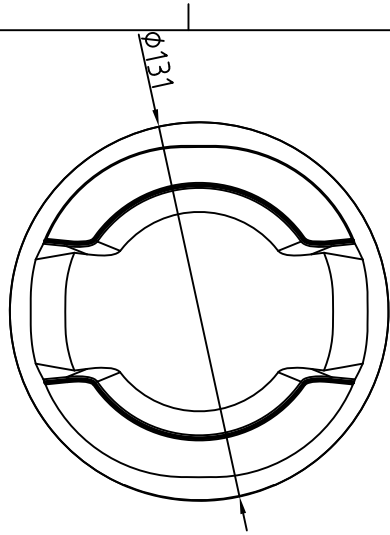
BOM				
NO	Name	Material	Finish	QTY
1	Top	ABS+PC	BLACK	1
2	Bottom	ABS+PC	BLACK	1
3	CFD 200 Coaxial cable	PE	BLACK	1
4	SMA Male Connector	Brass	GOLD	2
5	Antenna			2
6	Bracket installation	ABS+PC	BLACK	1
7	Wall maunting	PA6	WHITE	4
8	Screw	SUS304	N. A	4
9	Shrink tube	PE	BLUE	2

THIRD ANGLE  
PROJECTION

Tolerance  
.X ±0.1  
.XX ±0.05  
.x ±1°

DRAWN BY	li	MATERIAL:		PART NO:	M131. C3. 2. 336
CHECKED BY		FINISH:	BLACK	TITLE:	M131 5G 2-in-1 Antenna
APPROVED BY	King	UNIT:	mm		
DATE:	22. 8. 25	SCALE:	1/1		

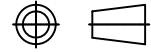
**RS** RUNSHUN  
Dongguan Run Shun /www.rsantenna.com



Electrical Properties	
Frequency Range	2* 600~6000MHz
Impedance	50 Ω
V.S.W.R.	≤3.0
Radiation	Omni
Gain	7.0DBi
Polarization	Vertical
Mechanical Properties	
Whip	PC+ABS
Standard Connector	SMA MALE
Waterprooflevel	IP68
Operating Temp	-φ40°~ +80°

BOM				
NO	Name	Material	Finish	QTY
1	Housing	ABS+PC	BLACK	1
2	CFD200 cable(5G)	PVC	BLACK	2
3	5G/4G Antenna			2
4	SMA Male(5G)	BRASS	GOLD	2
5	Bolt	ABS+PC	BLACK	1
6	NUT	PA66	BLACK	1
7	Shrink tube	PE		2
8	Rubber		BLACK	1
9	cable sleeve	PET	BLACK	1

THIRD ANGLE PROJECTION



Tolerance  
 .X ±0.1  
 .XX ±0.05  
 .x ±1°

DRAWN BY	li	MATERIAL:		PART NO:	M131.C3.2.337
CHECKED BY		FINISH:	BLACK	TITLE:	M131 5G 2-in-1 Antenna
APPROVED BY	King	UNIT:	mm		
DATE:	22.8.25	SCALE:	1/1		

**RS** RUNSHUN  
 Dongguan Run Shun /www.rsantenna.com

# Specification

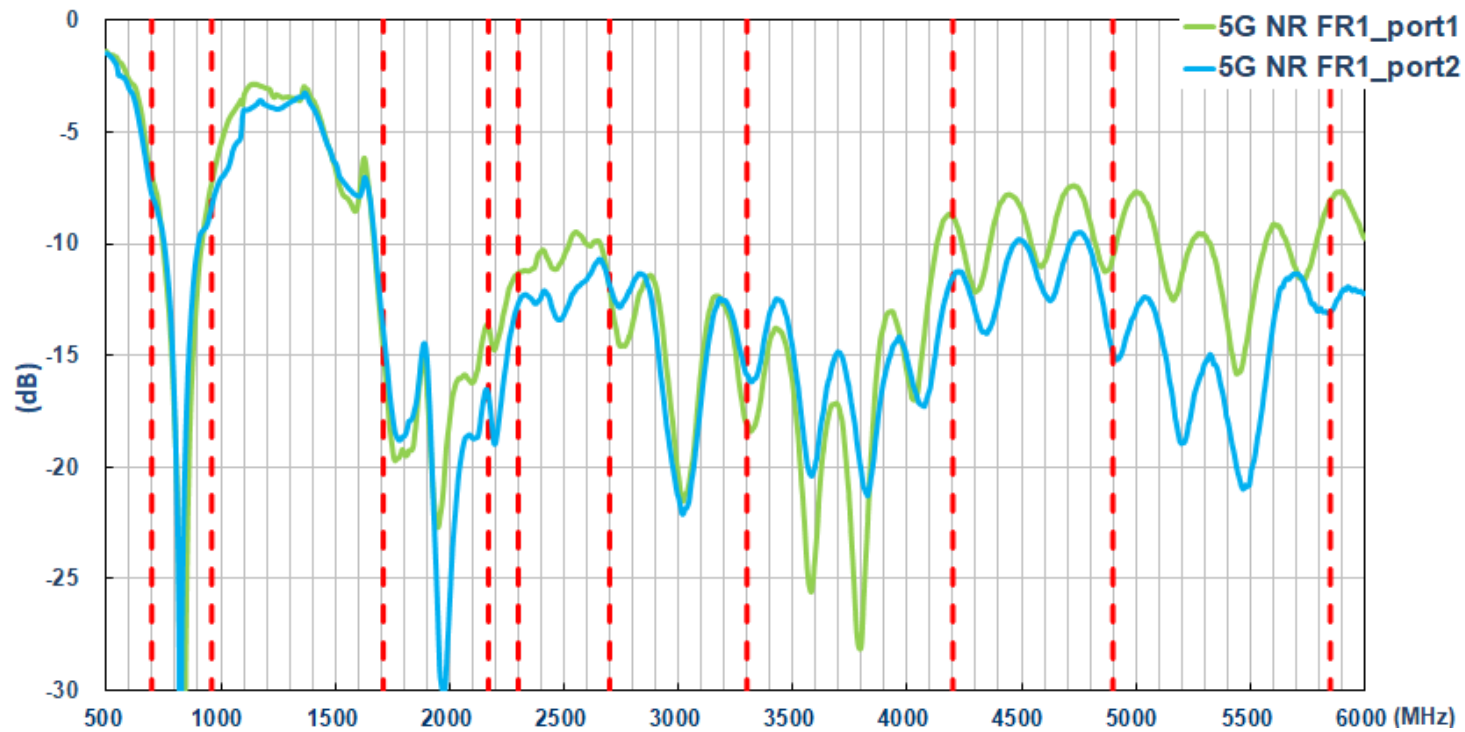
## Requirements of Antenna Design

RF Function	Number of ANT	Frequency Band	Remark
5G NR FR1	2	698~960/1710~2690/3300~4200/5150~5850MHz	

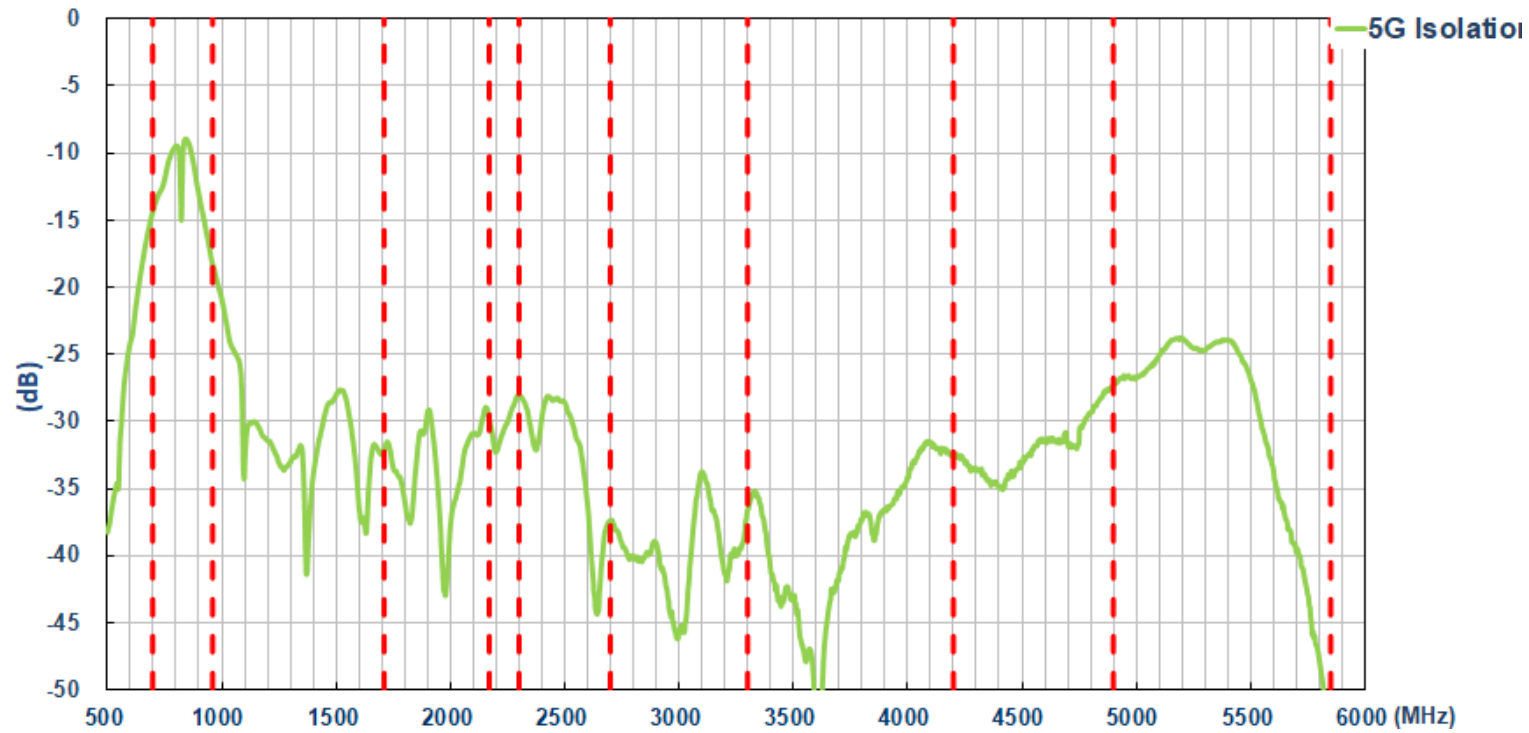
## Requirements of Measurement

Test Item	Specification	Remark
Return Loss	<-6dB	
Peak gain (without cable loss)	5G : 3dBi@698~960MHz; 5dBi@1710~2690MHz; 7dBi@3300~3800MHz; 6dBi@5150~5850MHz	
Efficiency (without cable loss)	5G : 50~80%@698~960; 50~80%@1710~2690; 45~70%@3300~3800; 45~70%@5150~5850	

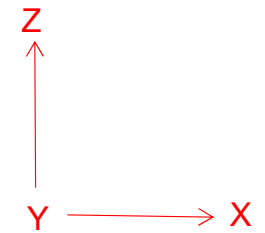
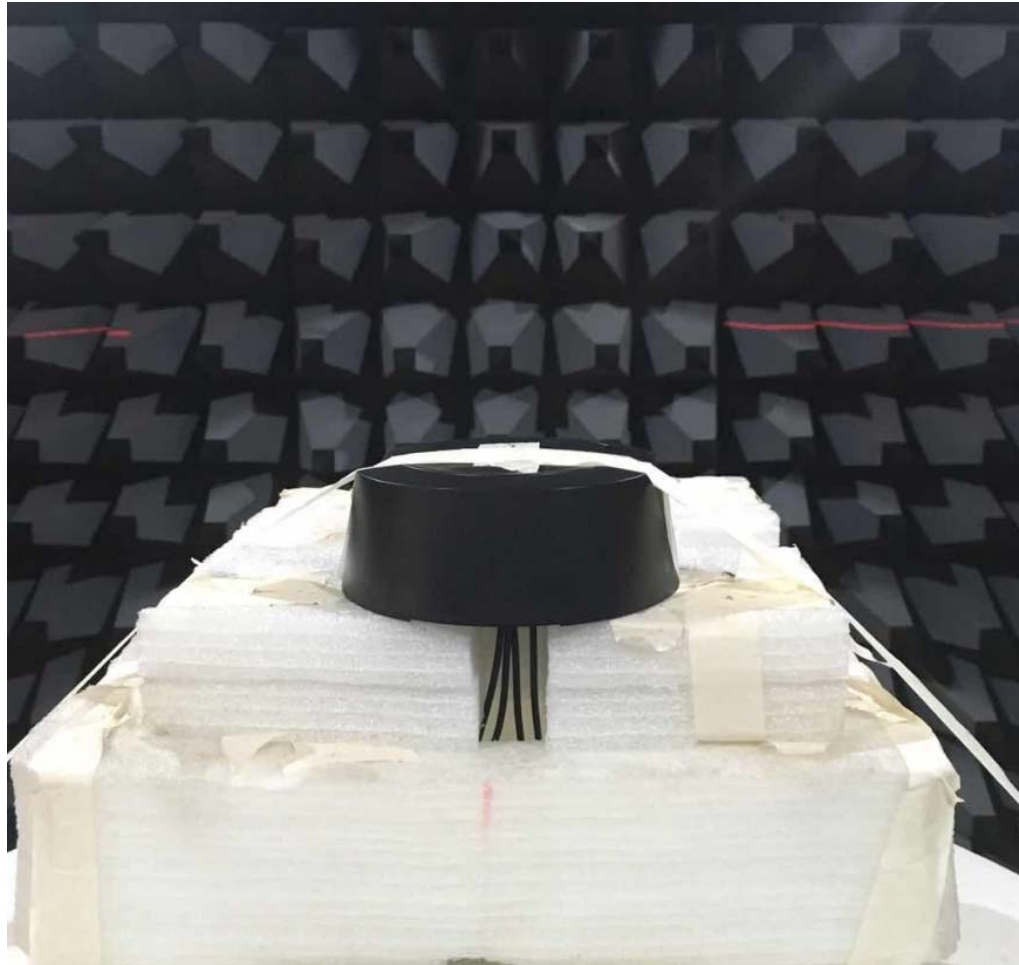
# Return Loss\_5G



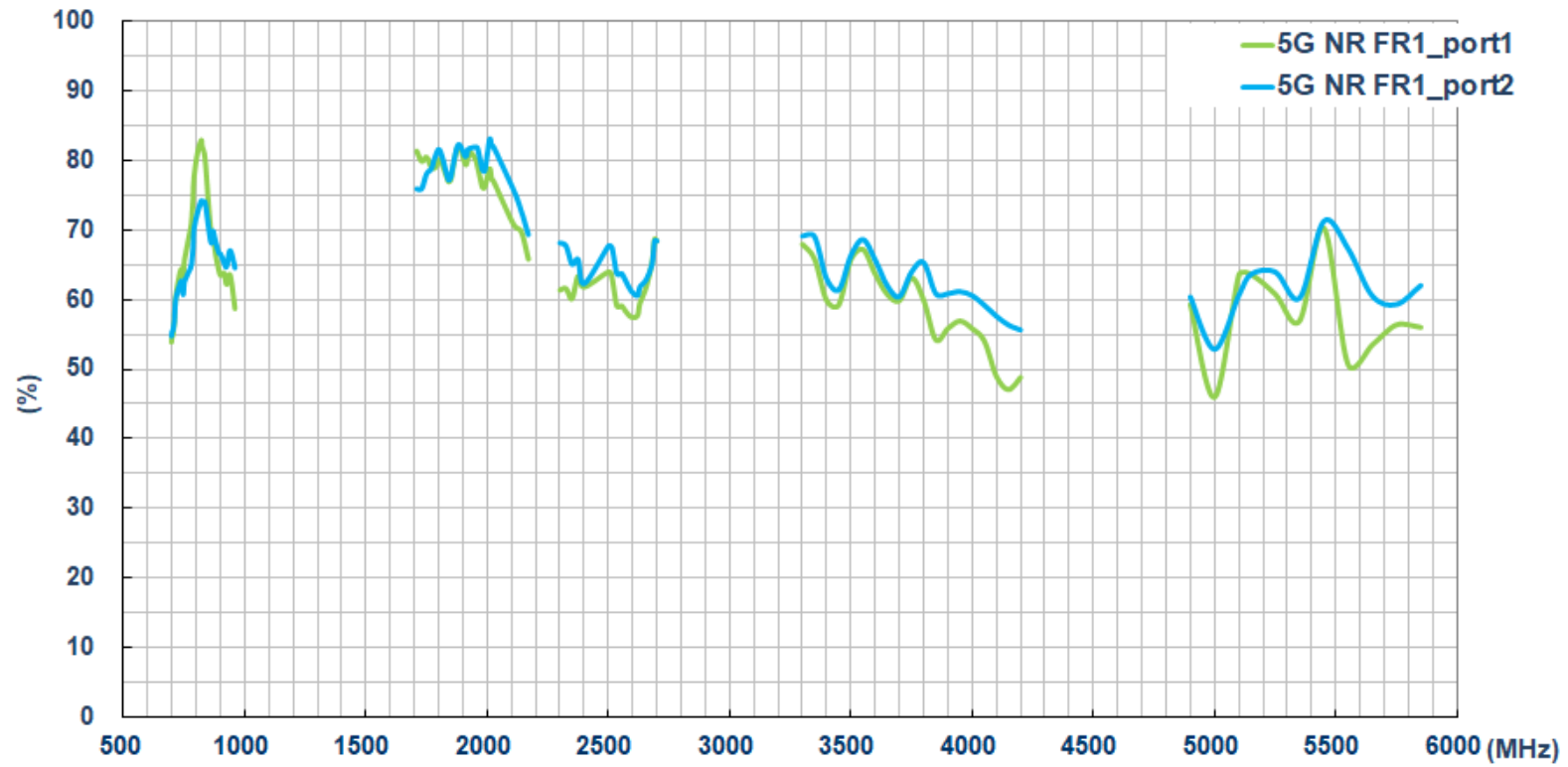
# Isolation\_5G



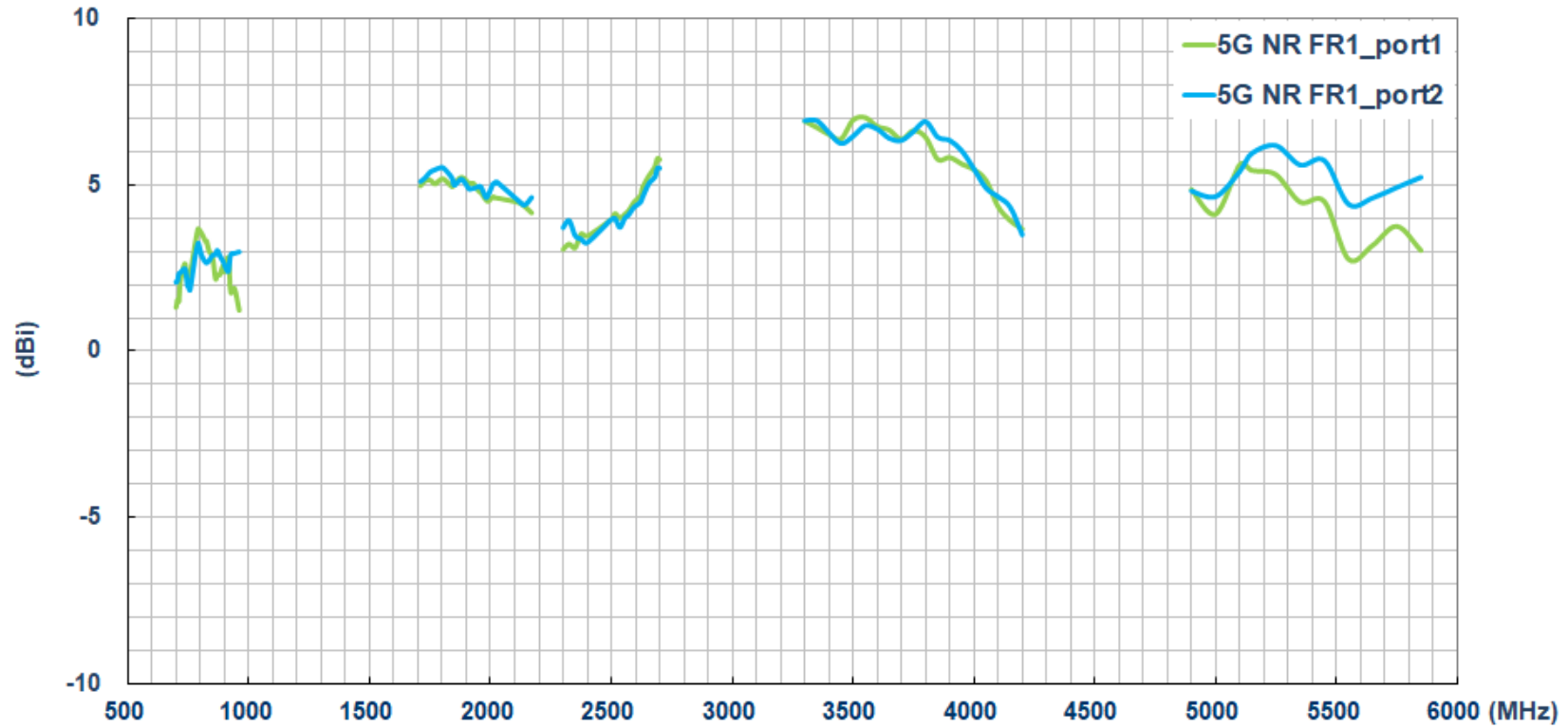
## Test Setup



# Efficiency\_5G NR FR1



# Peak Gain\_5G NR FR1



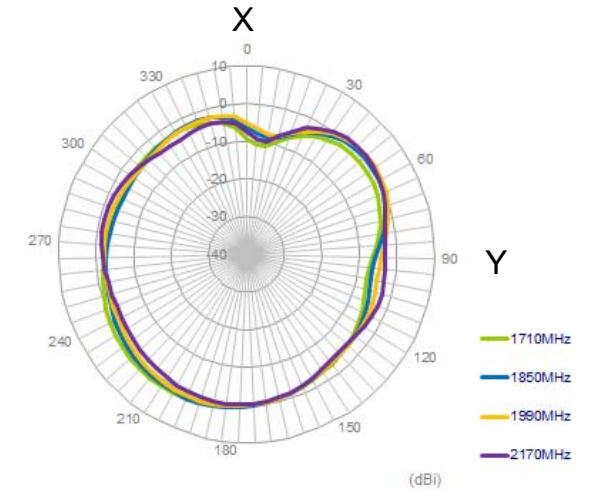
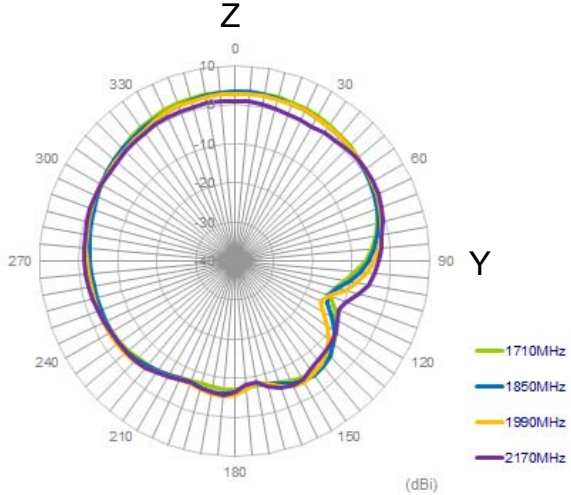
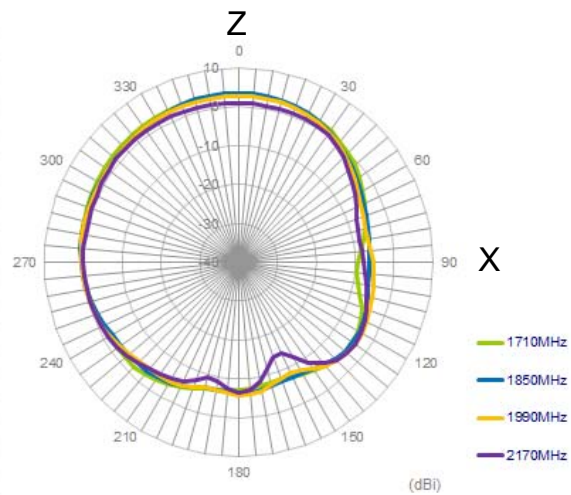
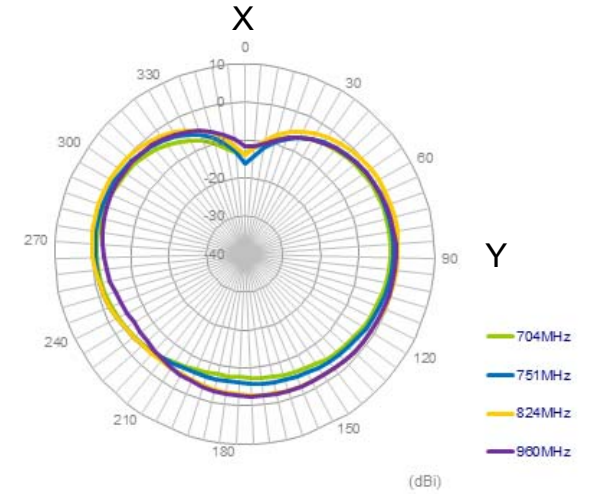
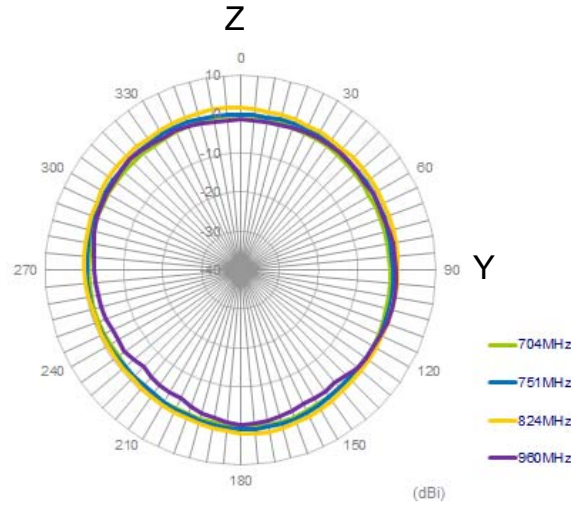
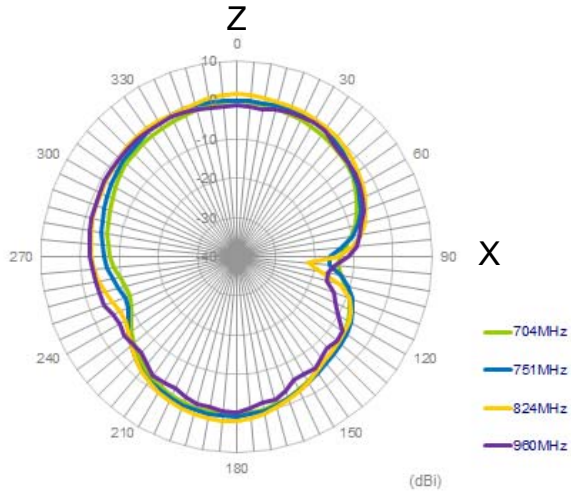


# Gain Table

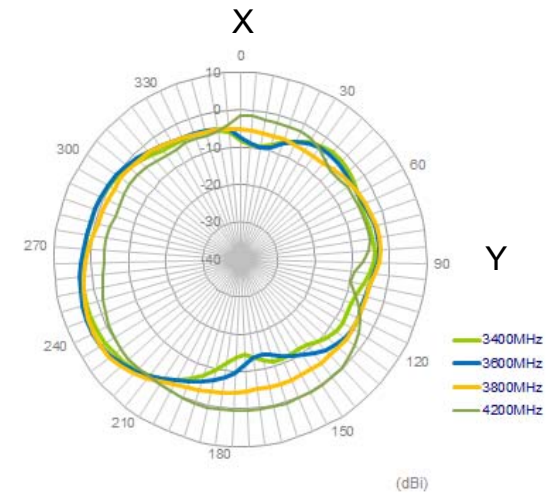
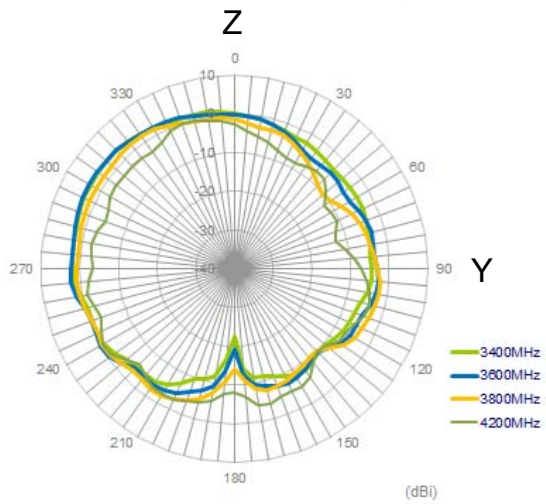
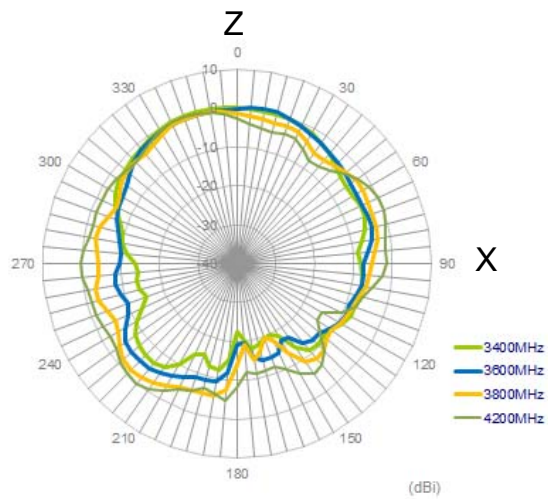
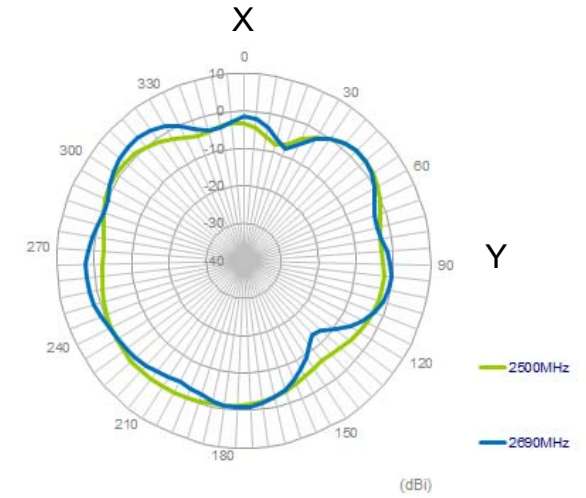
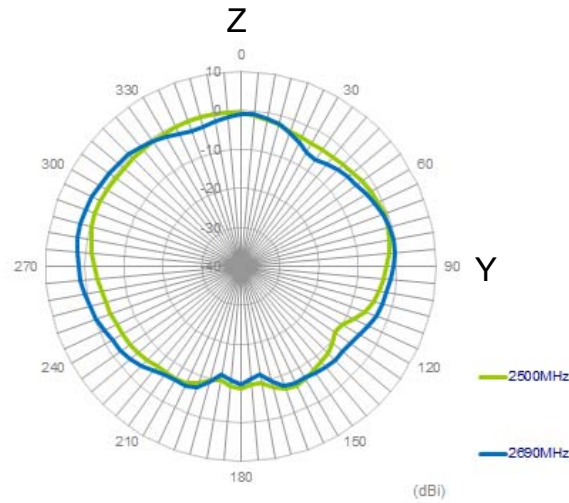
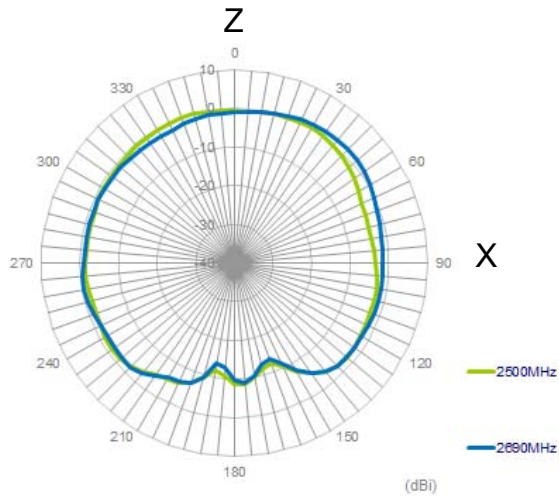


	698~960	1710~2170	2300~2690	3300~4200	5150~5850
	Efficiency				
5G NR FR1_port1	66.75	77.62	61.80	58.68	58.52
5G NR FR1_port2	64.95	78.95	64.85	62.48	63.53
	Peak gain				
5G NR FR1_port1	3.68	5.23	5.79	7.02	5.43
5G NR FR1_port2	3.24	5.50	5.50	6.93	6.18

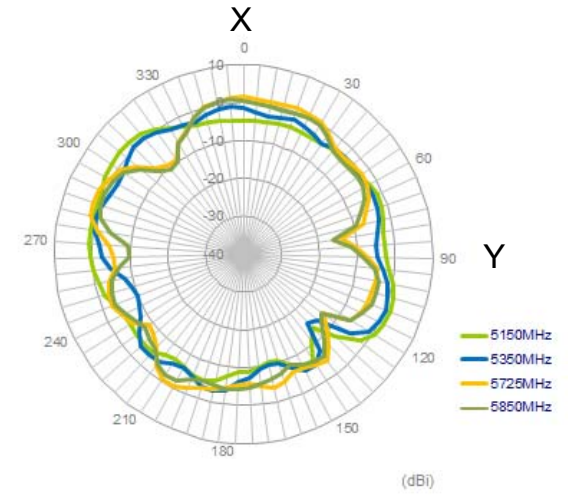
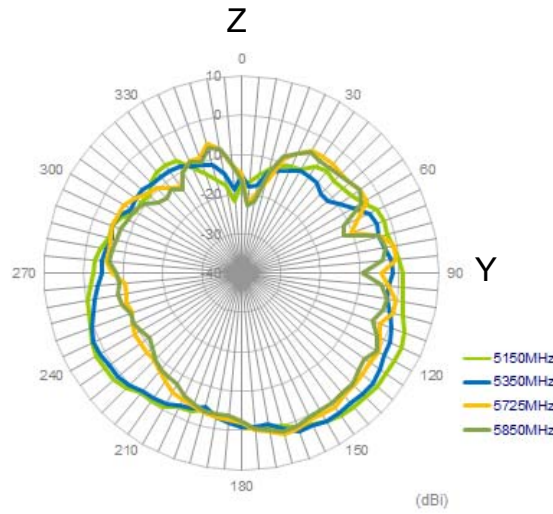
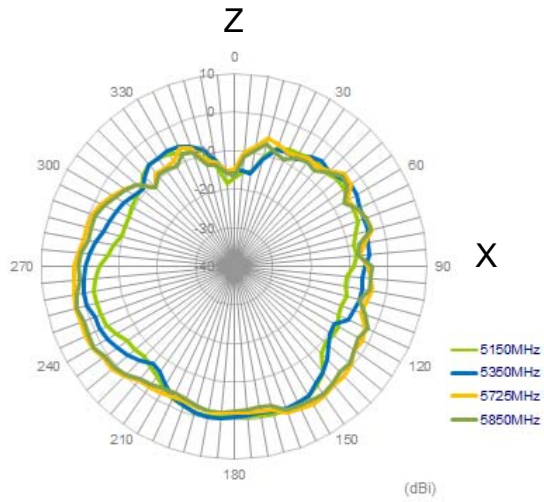
# 2D Radiation Pattern Results\_5G\_port1



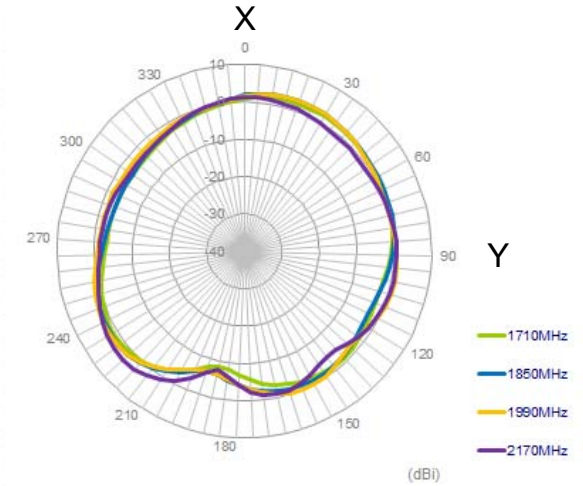
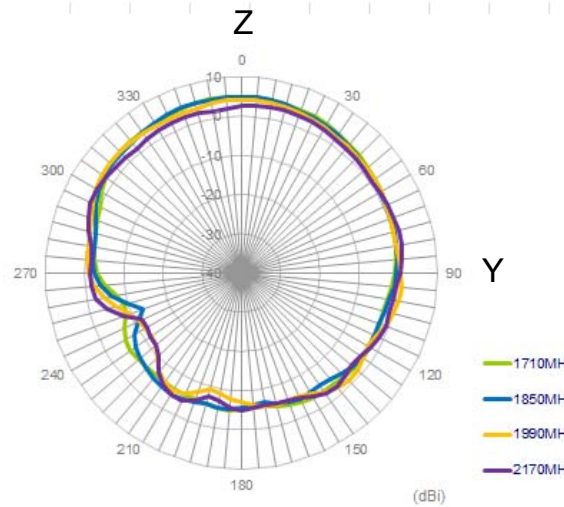
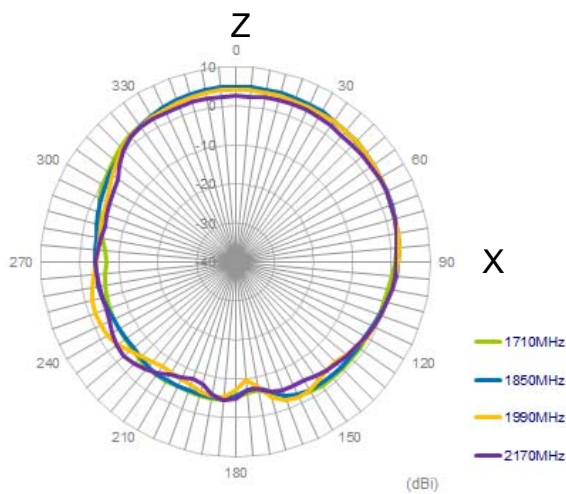
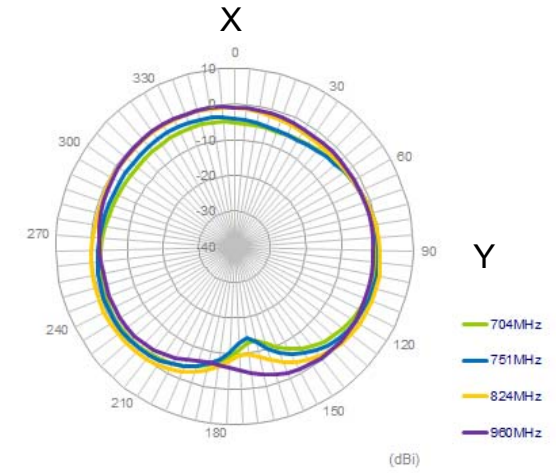
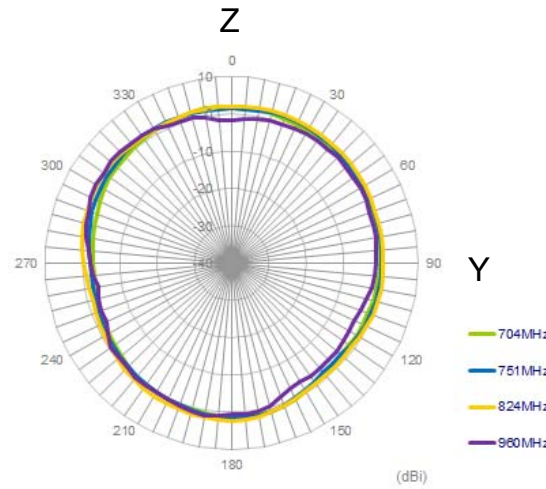
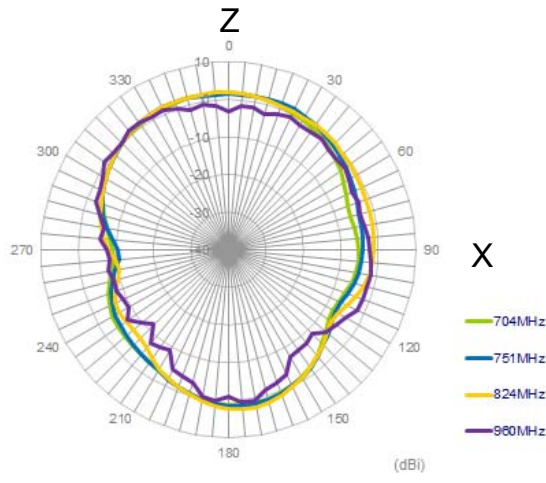
# 2D Radiation Pattern Results\_5G\_port1



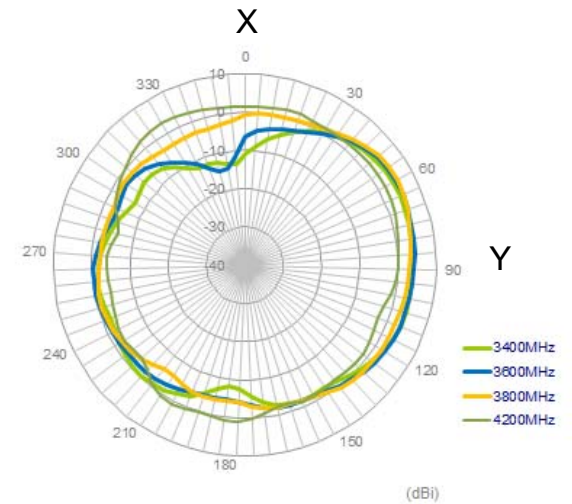
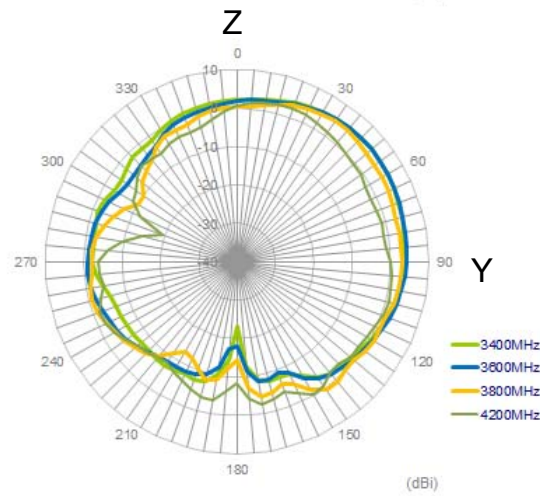
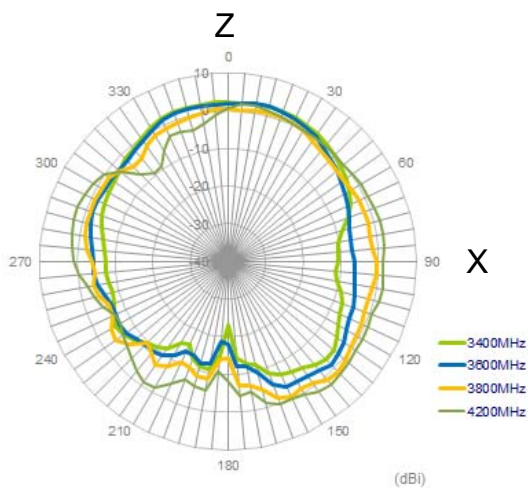
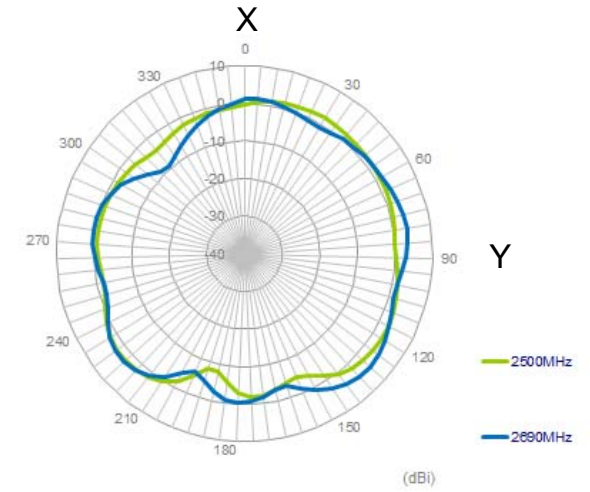
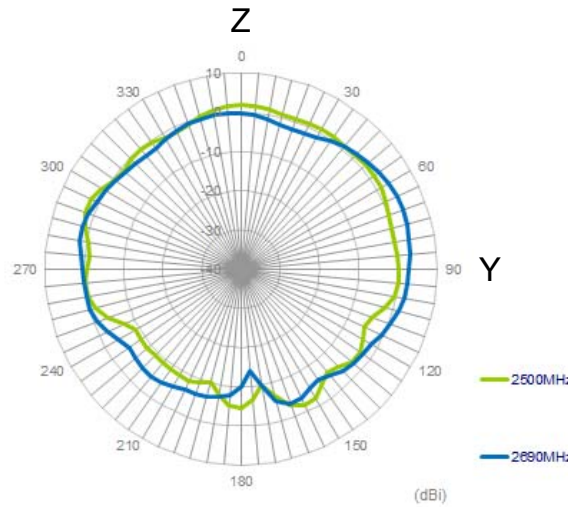
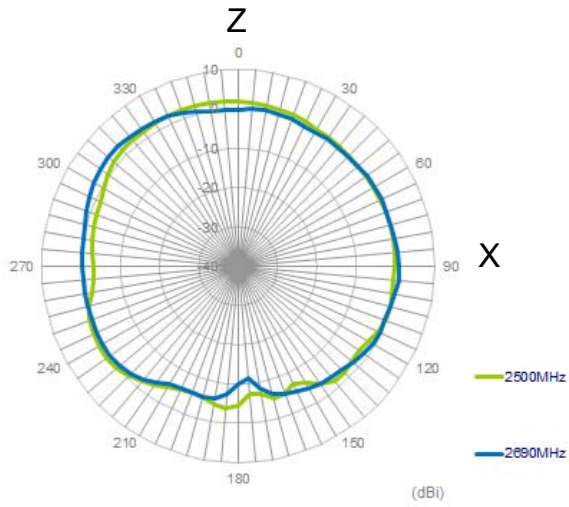
# 2D Radiation Pattern Results\_5G\_port1



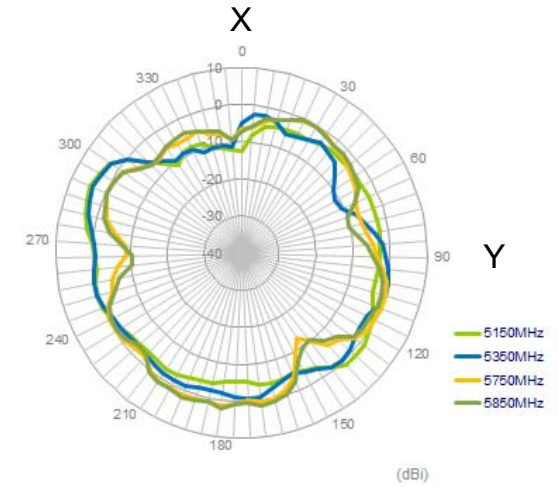
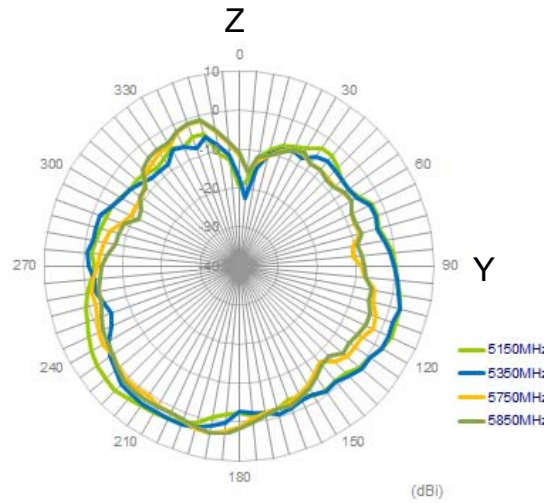
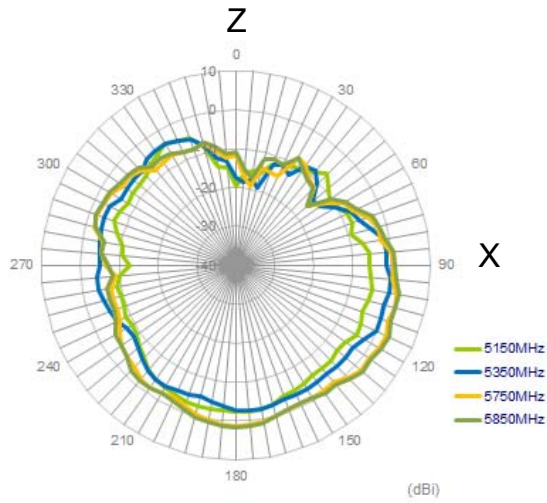
# 2D Radiation Pattern Results\_5G\_port2



# 2D Radiation Pattern Results\_5G\_port2



# 2D Radiation Pattern Results\_5G\_port2



## Contact With RS

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Taiwan Factory

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