

A large, faint watermark of the 7RF logo is centered in the background. It consists of three vertical bars of decreasing height on the left, followed by a large orange '7' and the letters 'RF' in grey. The text is overlaid on this graphic.

**-7RF Antenna-**  
**7RF-TQR-8410-W2P4A**  
**WiFi 2.4GHz Terminal Hinged Antenna**

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Revision: A  
Date: 2019/04/04



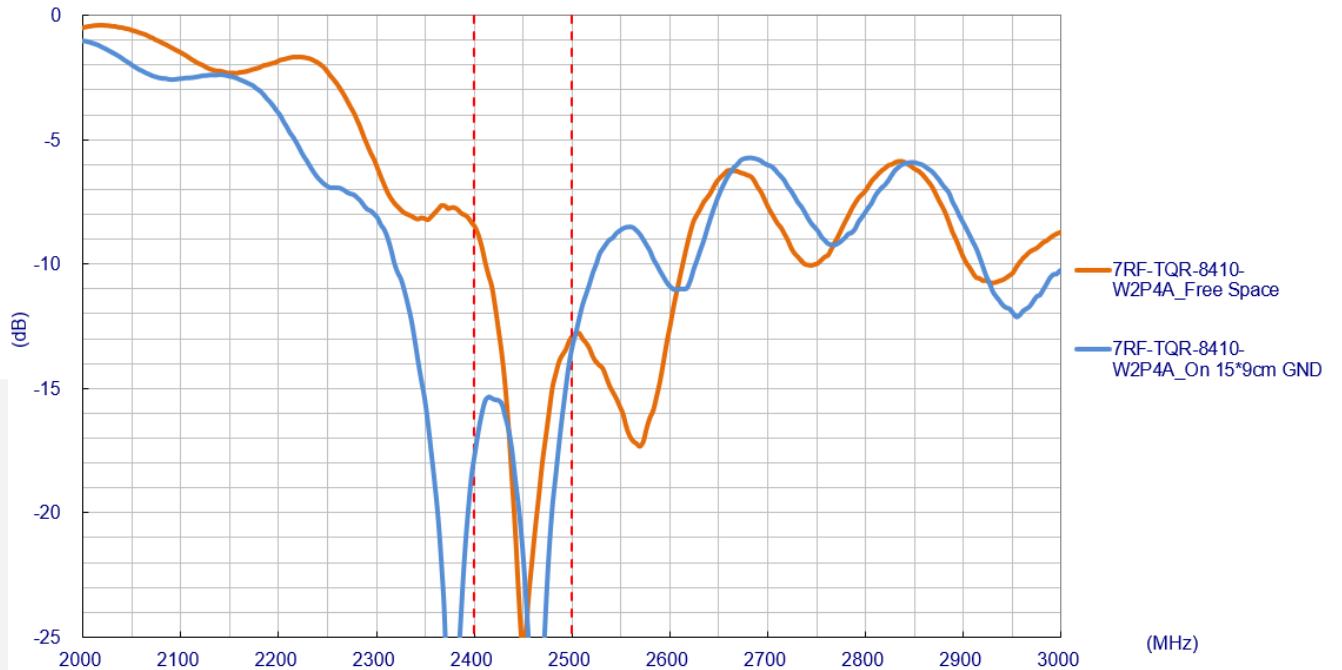
## I. Antenna Specification Table

TQR-8410-W2P4A	
Electrical Characteristics	
	Free Space
Frequency (MHz)	2400-2500
Return Loss (dB)	<-10
Efficiency (%)	90.27
Peak Gain (dBi)	2.39
Average Gain (dBi)	-0.45
	On 15cm*9cm GND
Frequency (MHz)	2400-2500
Return Loss (dB)	<-10
Efficiency (%)	86
Peak Gain (dBi)	3.21
Average Gain (dBi)	-0.65
Polarization	Linear
Radiation Pattern	Omni-directional
Mechanical Characteristics	
Dimension (mm)	φ10 * 84.4
Connector	RP-SMA (M) Hinged
Storage Temperature (°C)	-40~+85
Operate Temperature (°C)	-40~+85

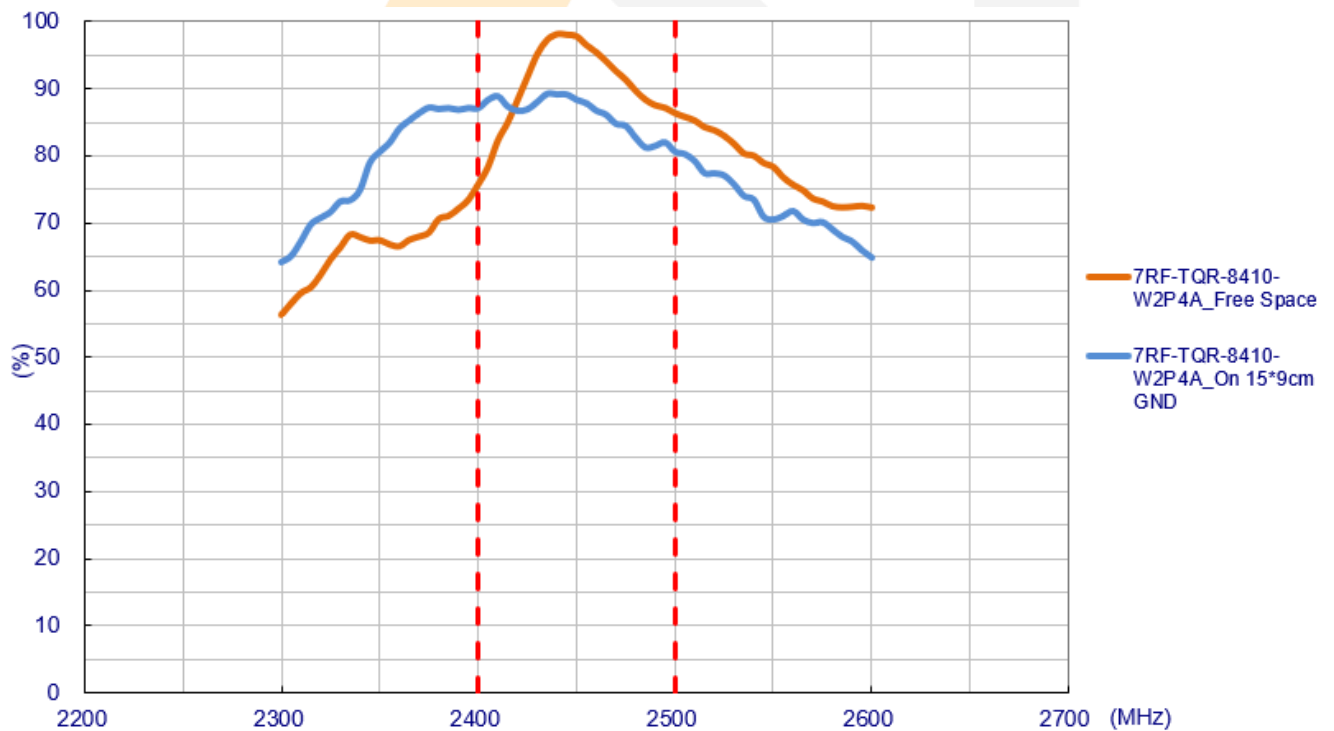


## II. Antenna Parameters

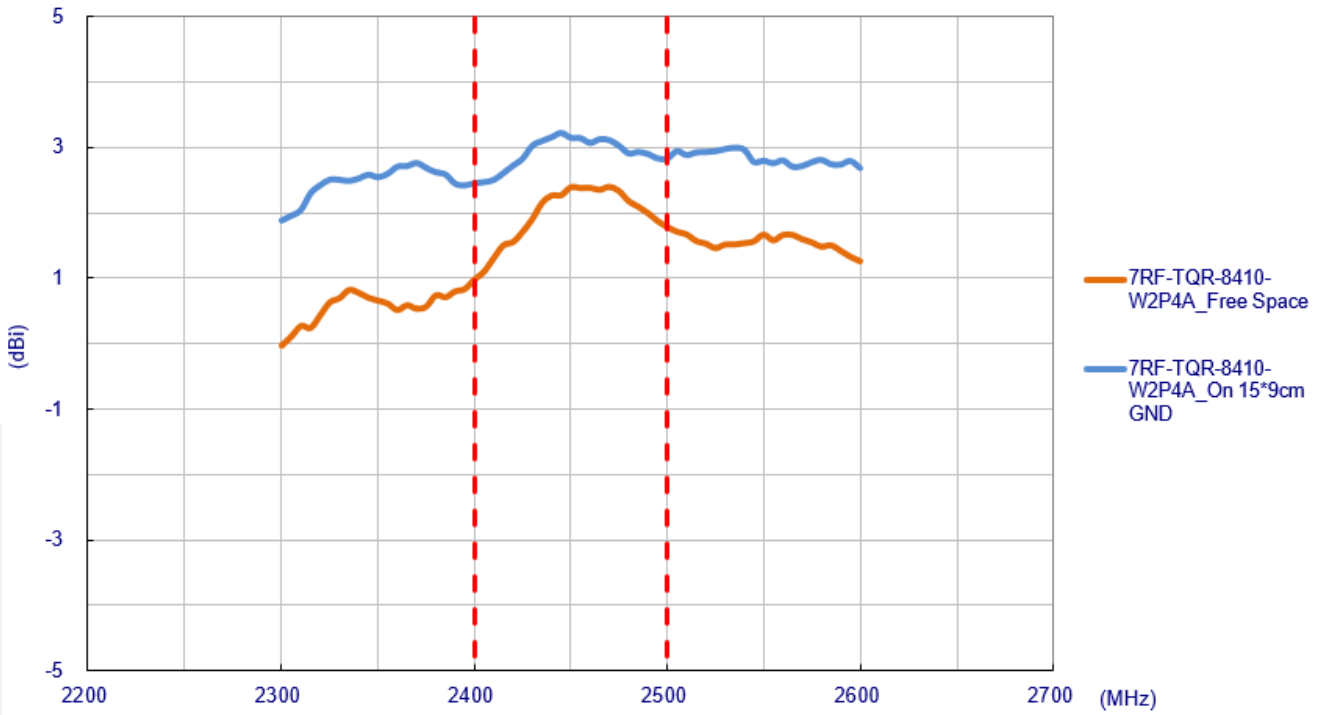
Return Loss:



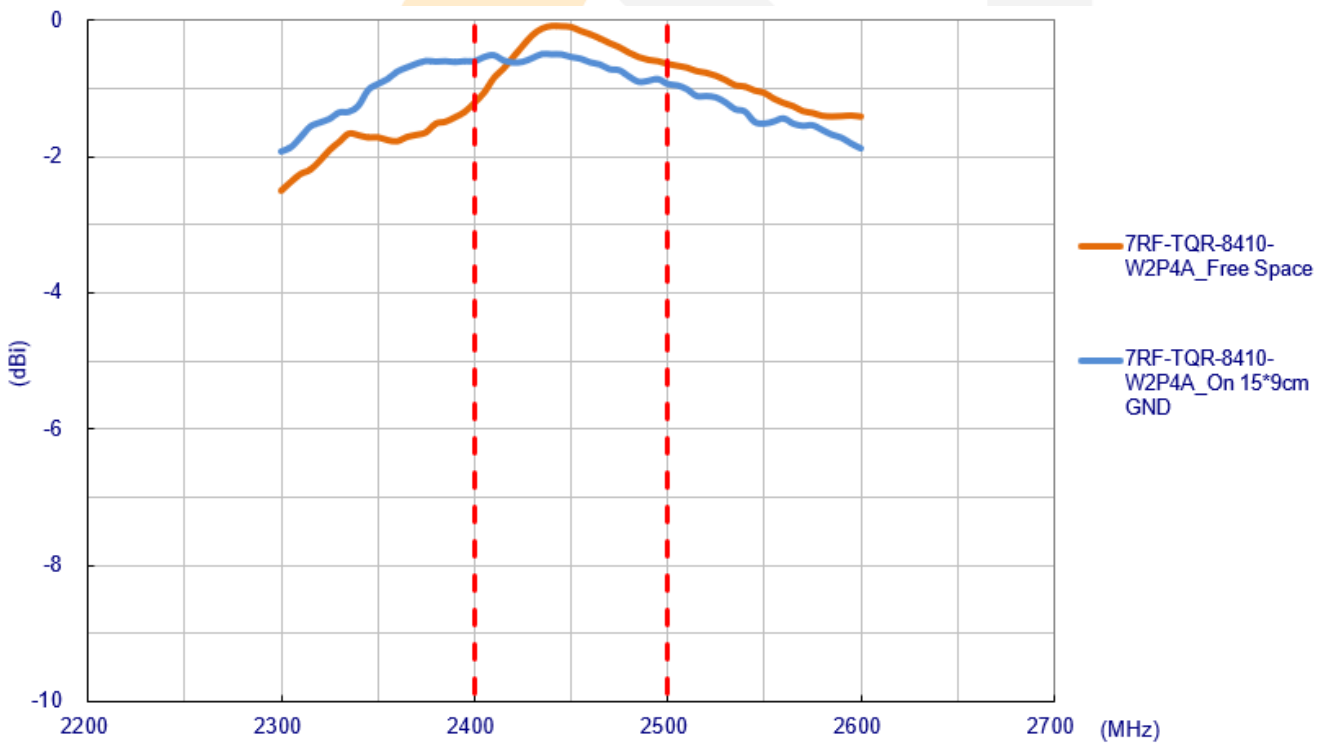
Efficiency:



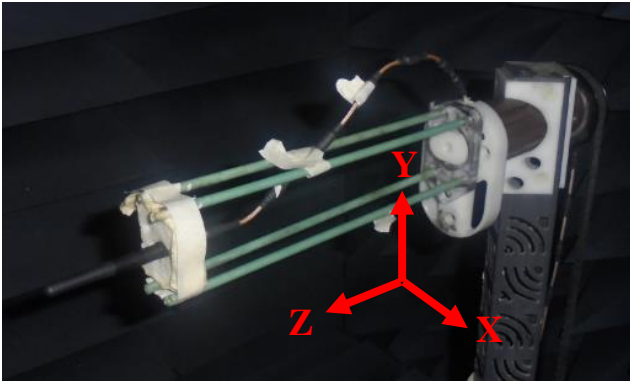
Peak Gain:



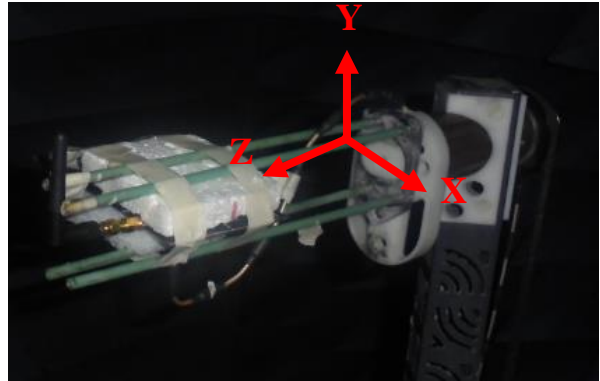
Average Gain:



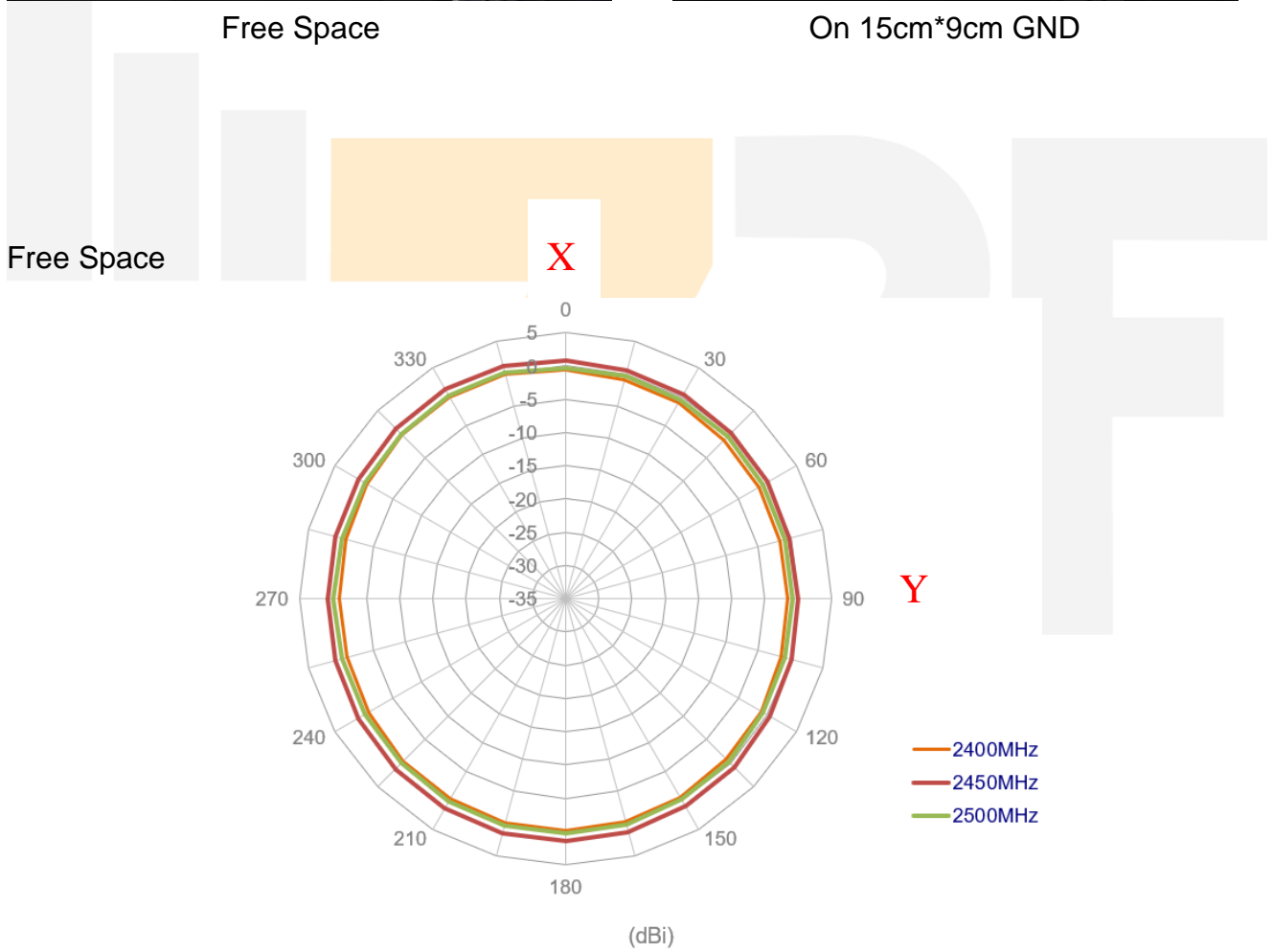
### III. Radiation Pattern

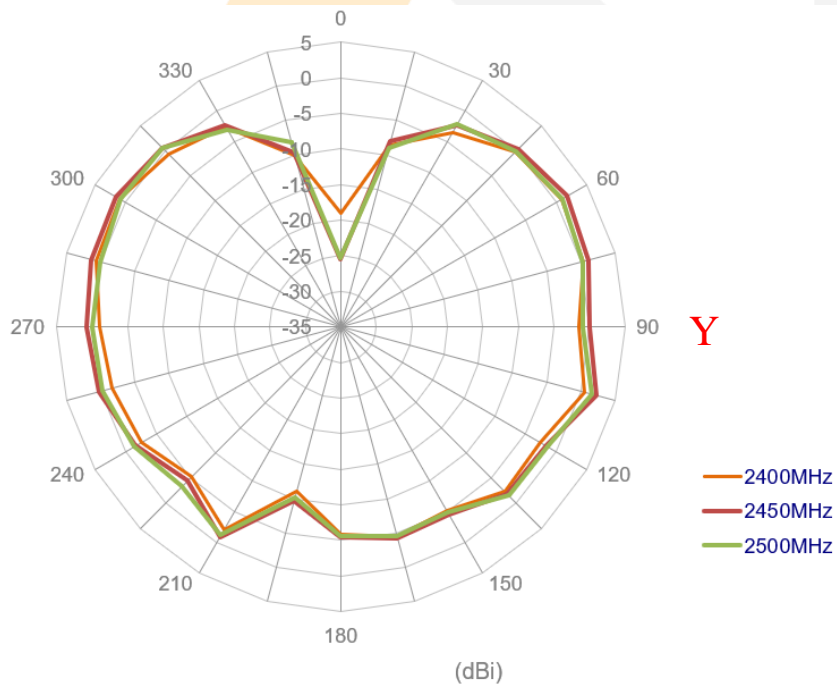
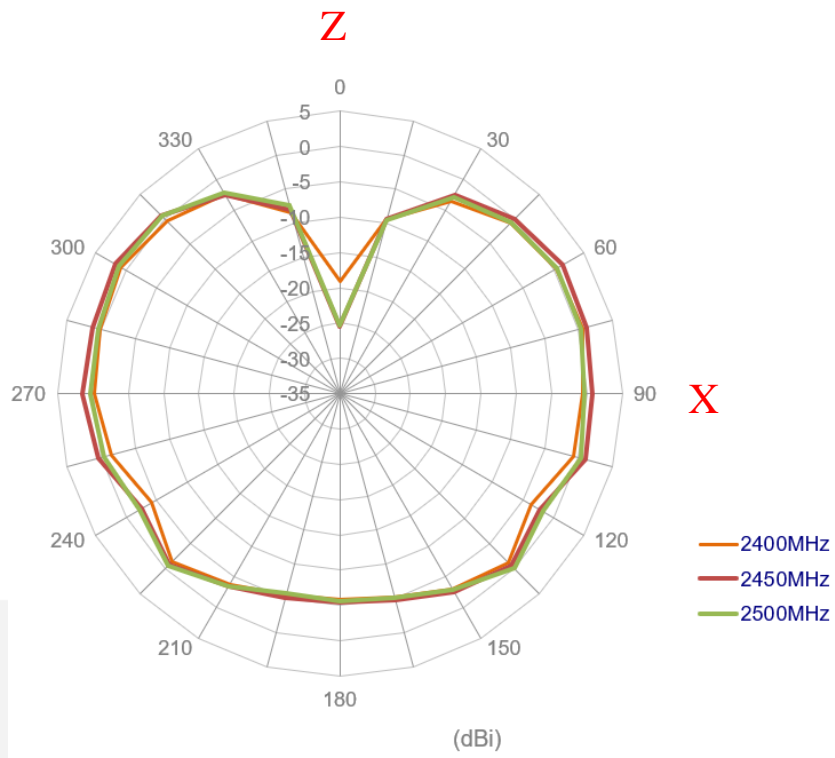


Free Space



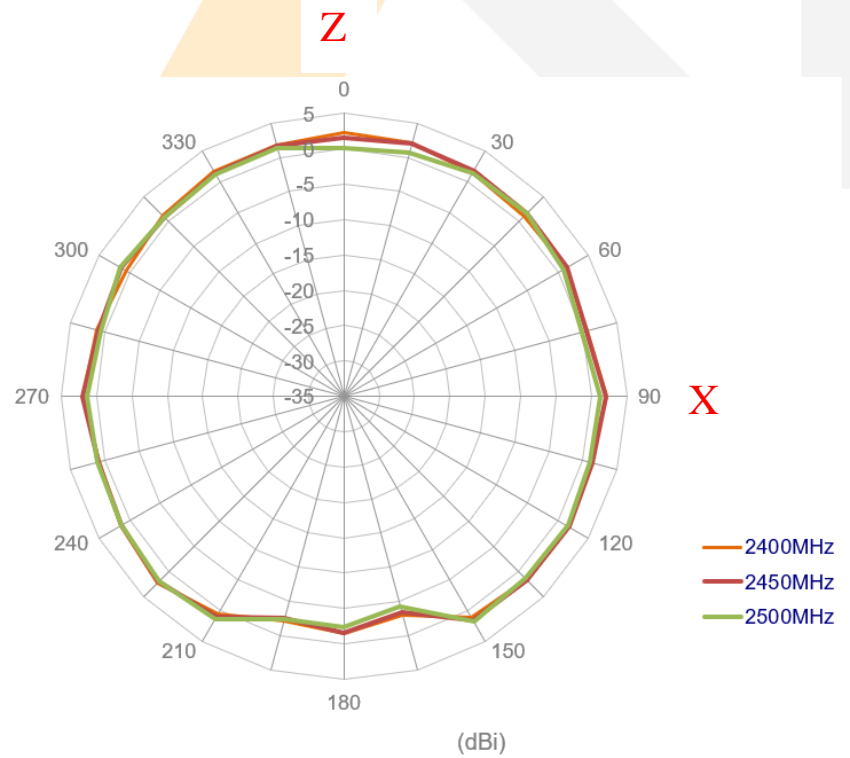
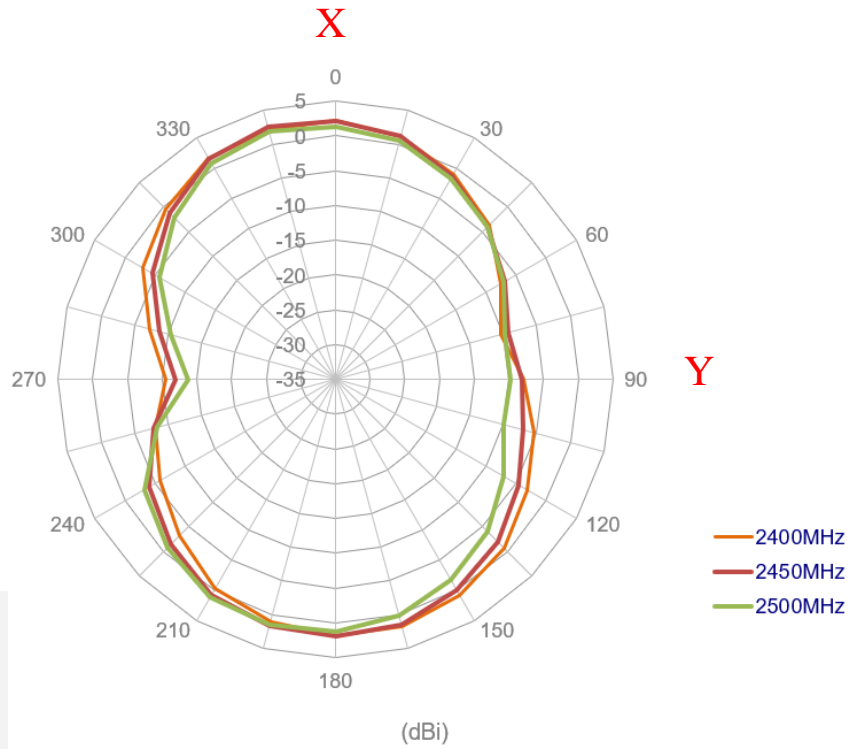
On 15cm\*9cm GND

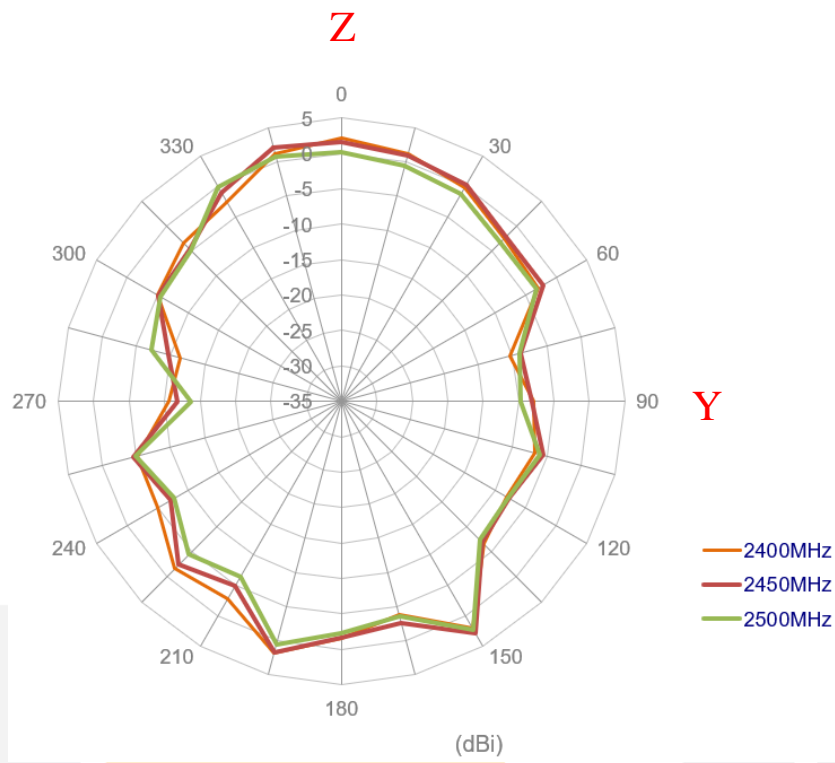






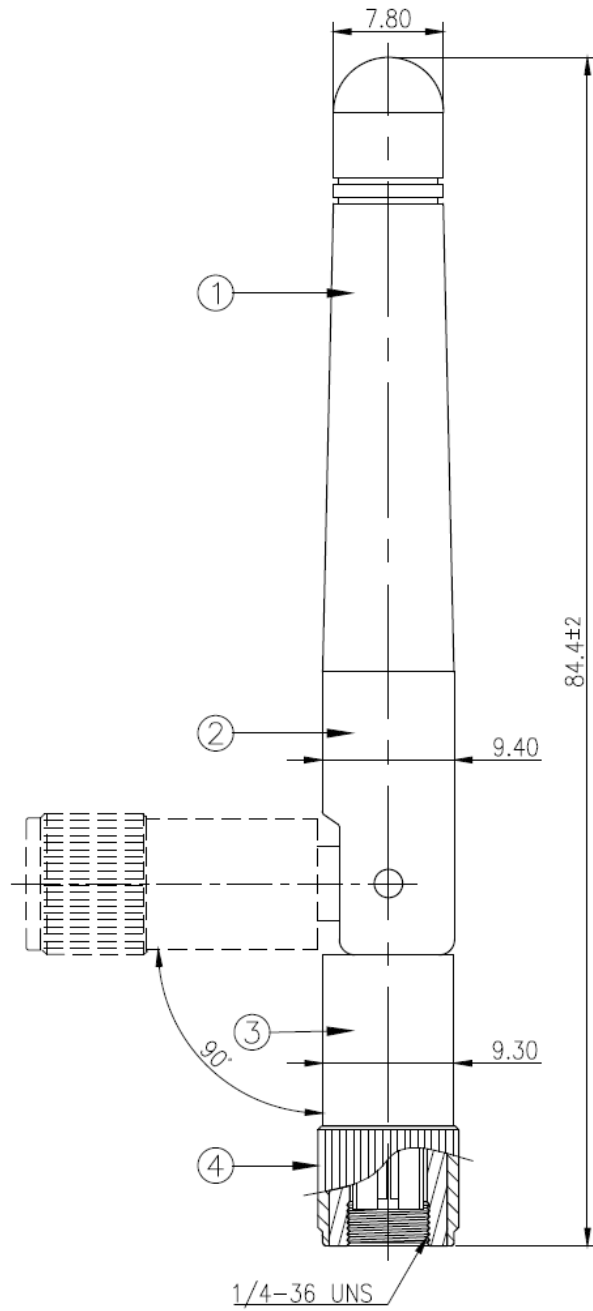
On 15\*9cm GND







# IV. Antenna Drawing



	NAME	MATERIAL	FINISH	QTY
1	HOUSING	TPEE	BLACK	1
2	TOP HINGE	PC+PBT	BLACK	1
3	BOTTOM HINGE	ABS	BLACK	1
4	RP-SMA(M)	POM/BRASS	BLACK	1