A large, semi-transparent watermark of the 7RF logo is centered on the page, with the '7' in orange and 'RF' in grey.

**-7RF Antenna-**  
**EFU-20110150-LJ1-01**  
**Flexible PCB LTE Antenna**

Author: Sam Yang  
Revision: A  
Date: 2020/07/17



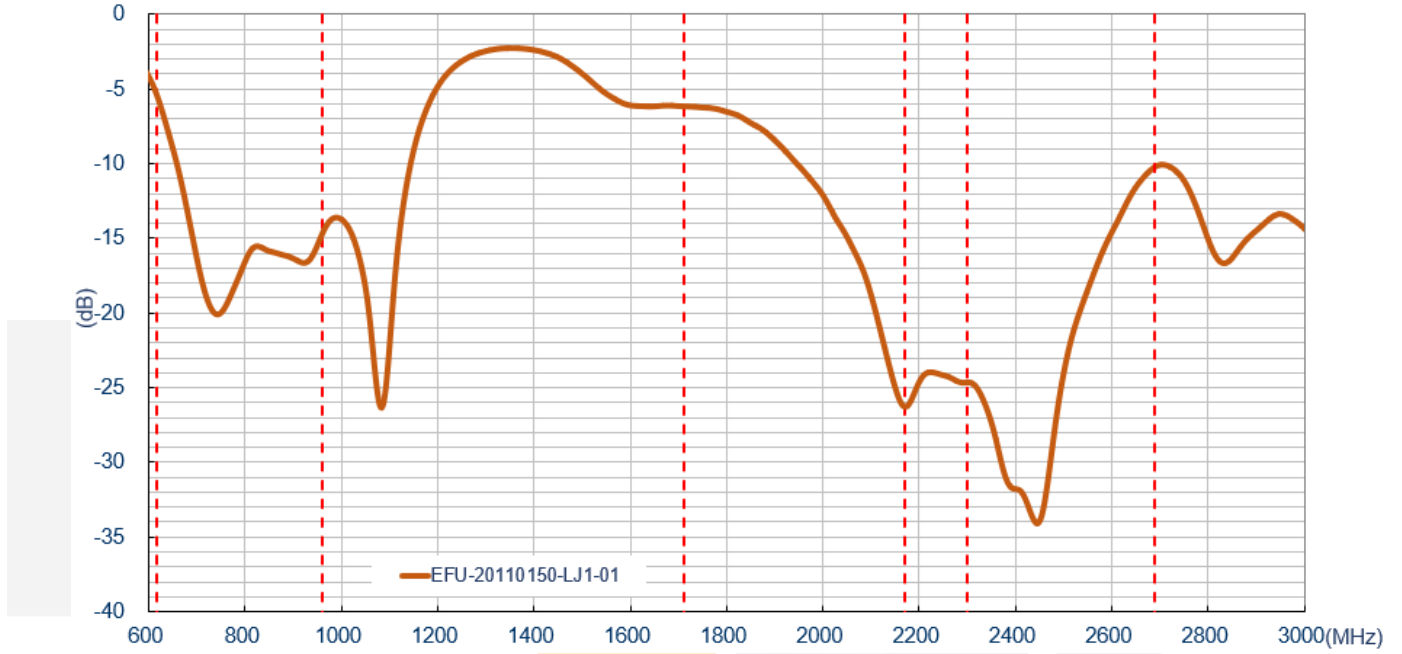
## I. Antenna Specification Table

EFU-2011150LJ1-01			
Electrical Characteristics			
Frequency (MHz)	617-698	698-960	1710-2690
Return Loss (dB)	<-6	<-10	<-6
Efficiency (%)	72.23	75.61	62.47
Peak Gain (dBi)	3.6	4.65	4.10
Average Gain (dBi)	-1.41	-1.21	-2.05
Polarization	Linear		
Radiation Pattern	Omni-directional		
Mechanical Characteristics			
Dimension (mm)	110*20*0.24		
Cable & Length	OD 1.13mm Micro-Coax., 150mm		
Connector	IPEX MHFI		
Adhesive	3M 467		
Storage Temperature (°C)	-40~+85		
Operate Temperature (°C)	-40~+85		

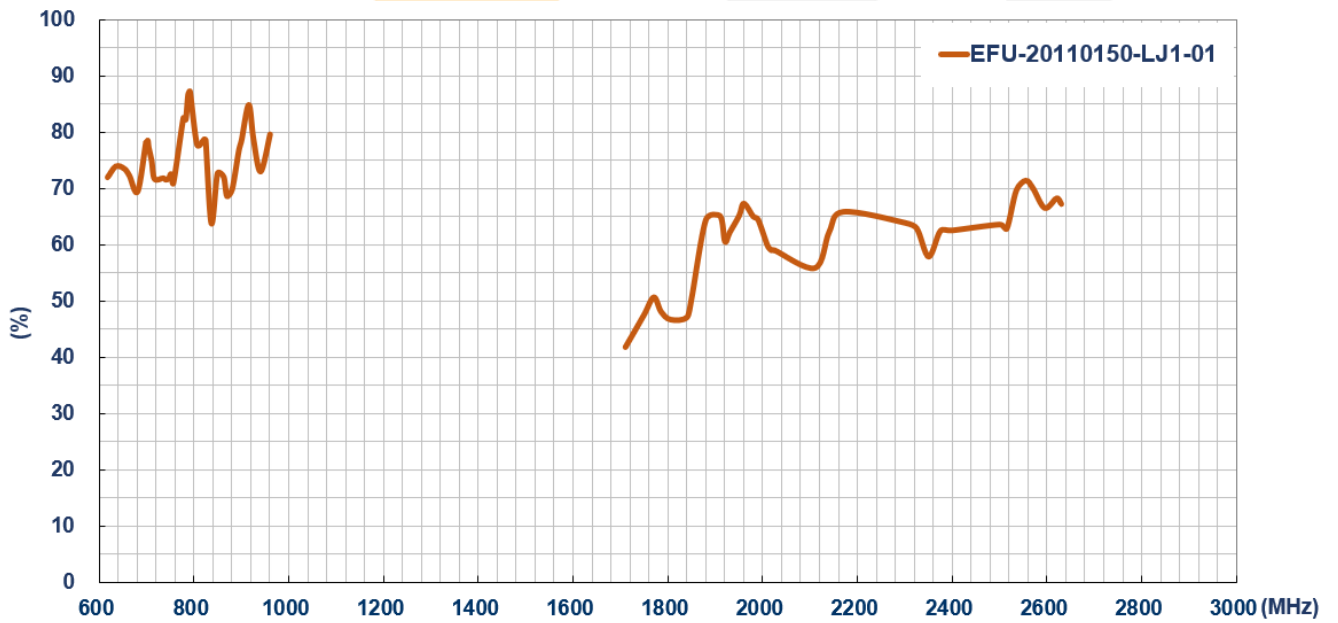


## II. Antenna Parameters

Return Loss:

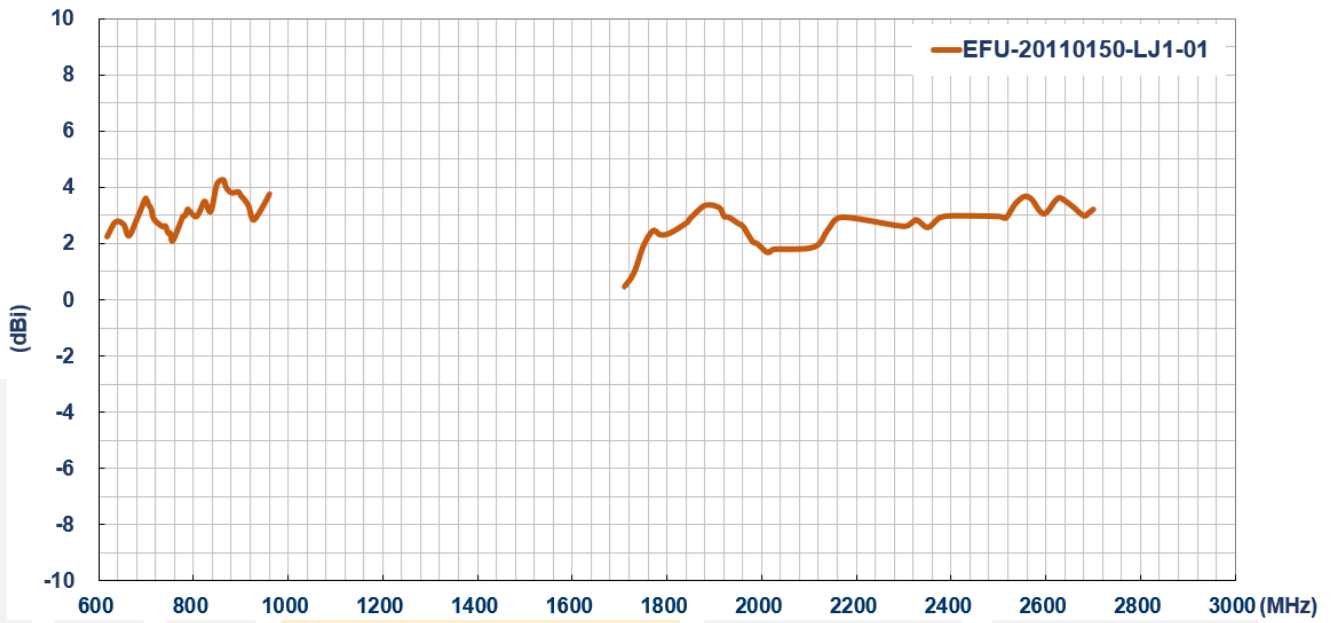


Efficiency:

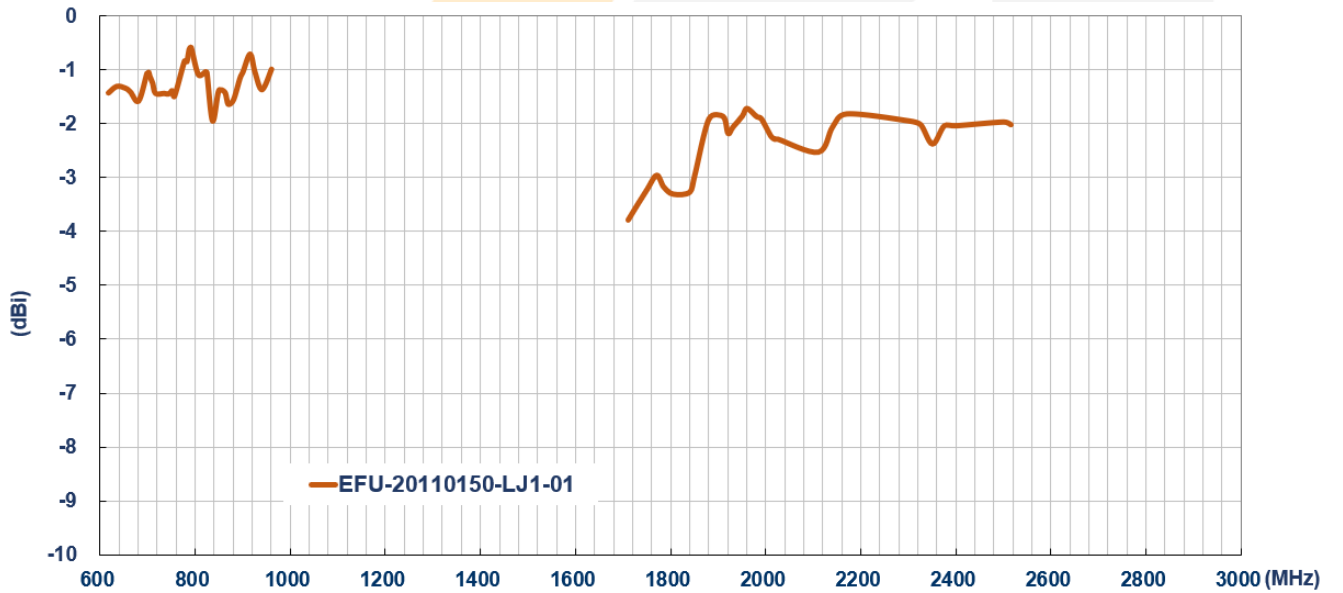




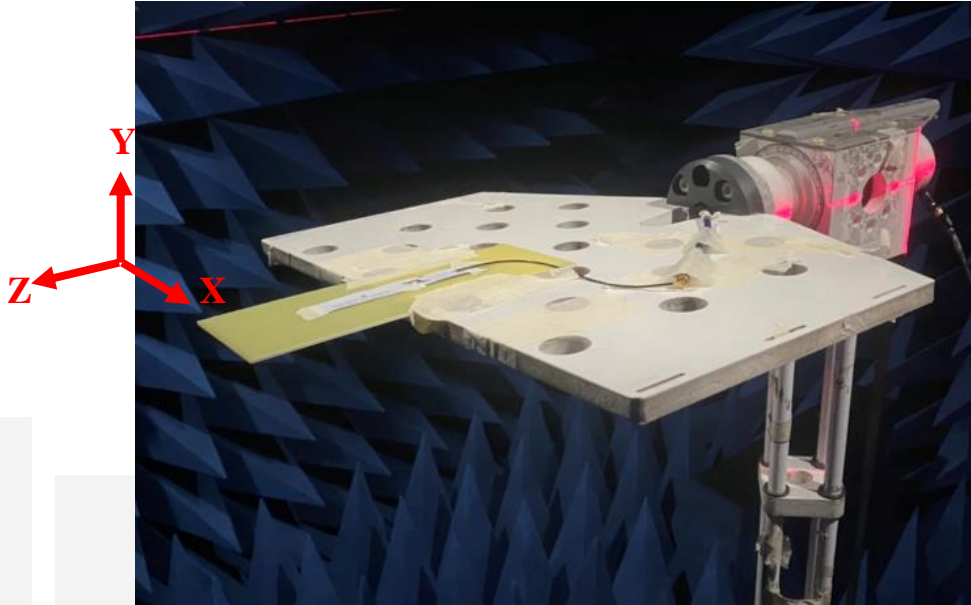
Peak Gain:



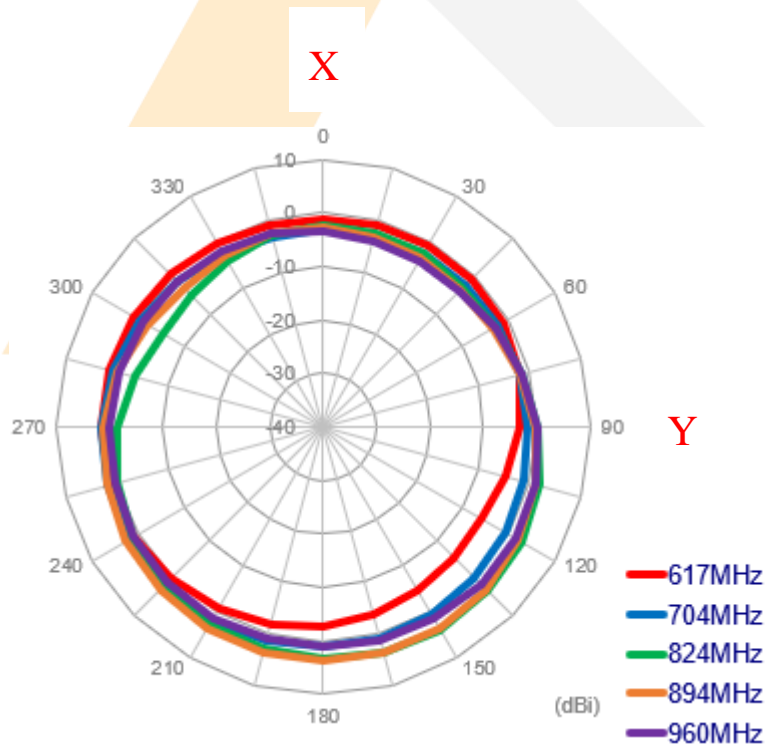
Average Gain:

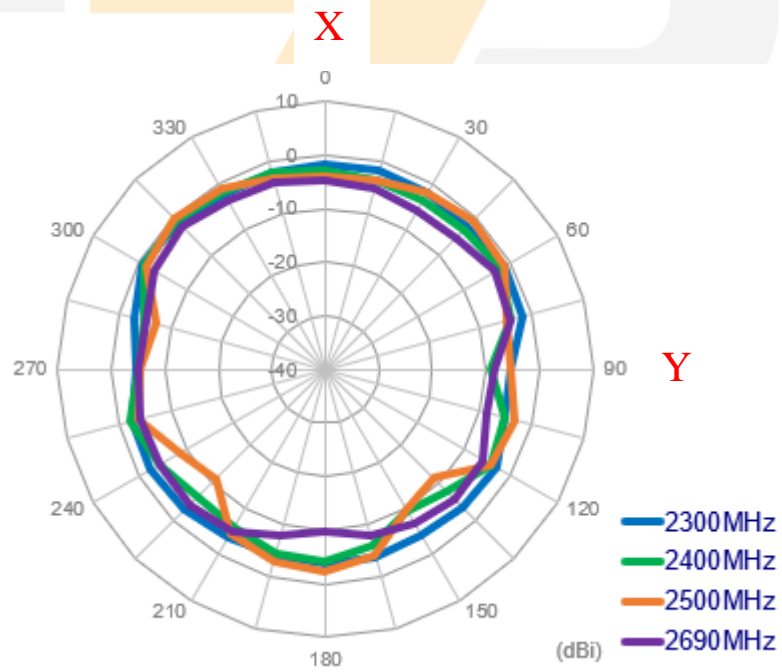
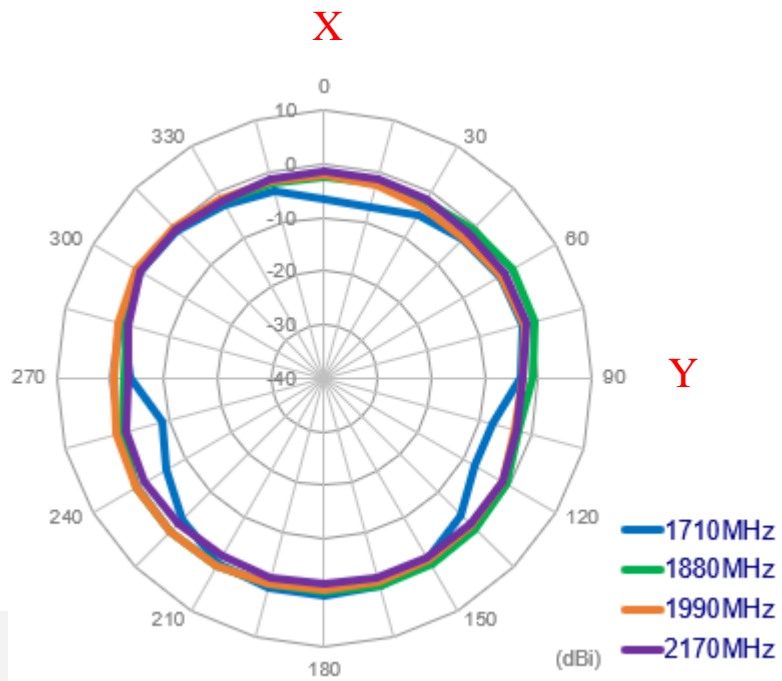


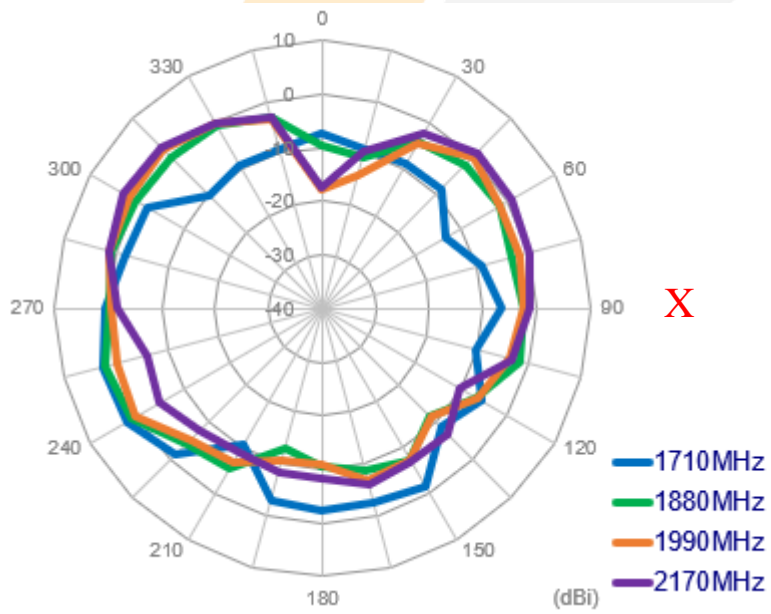
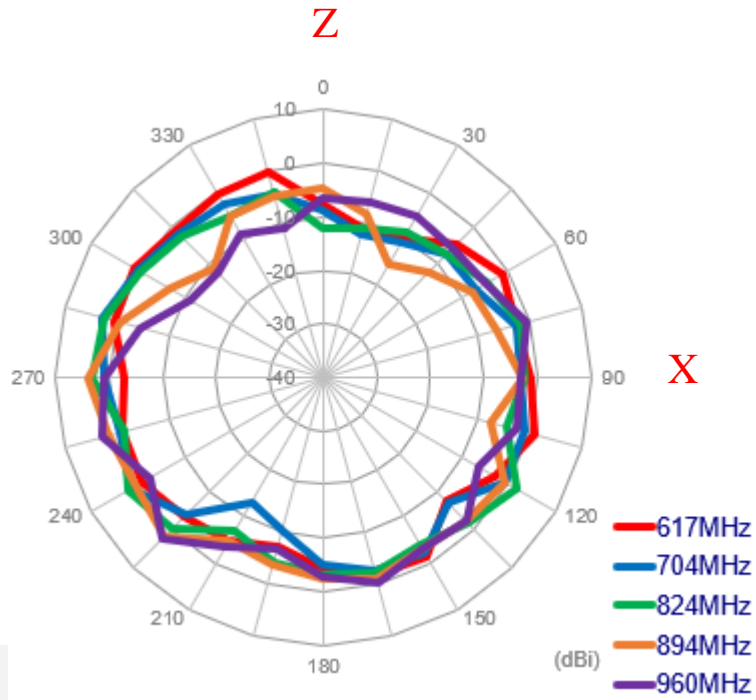
### III. Radiation Pattern

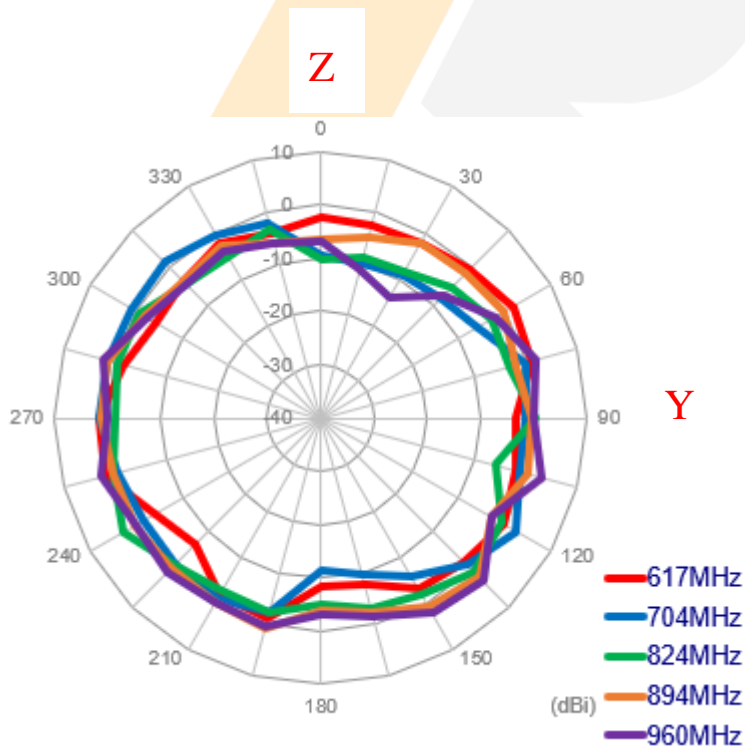
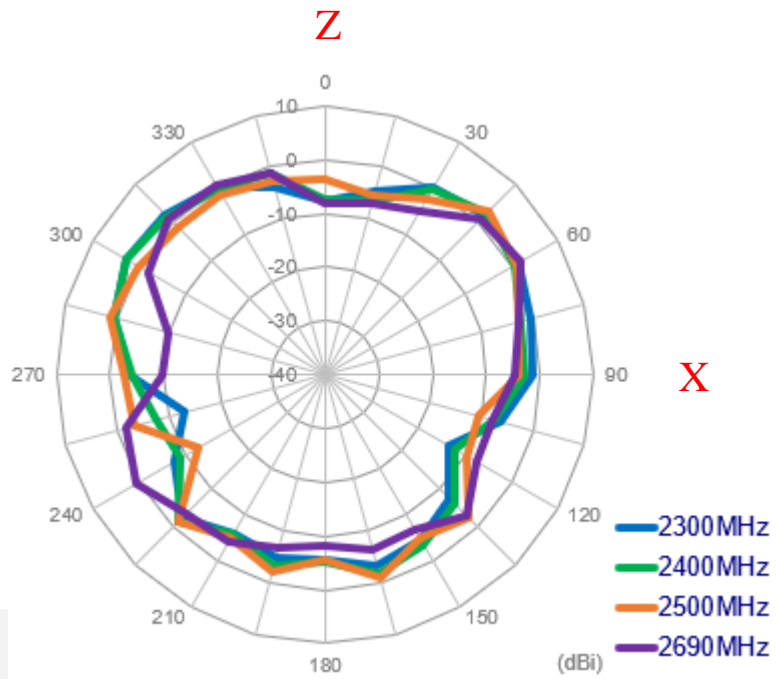


### 2D Radiation Pattern

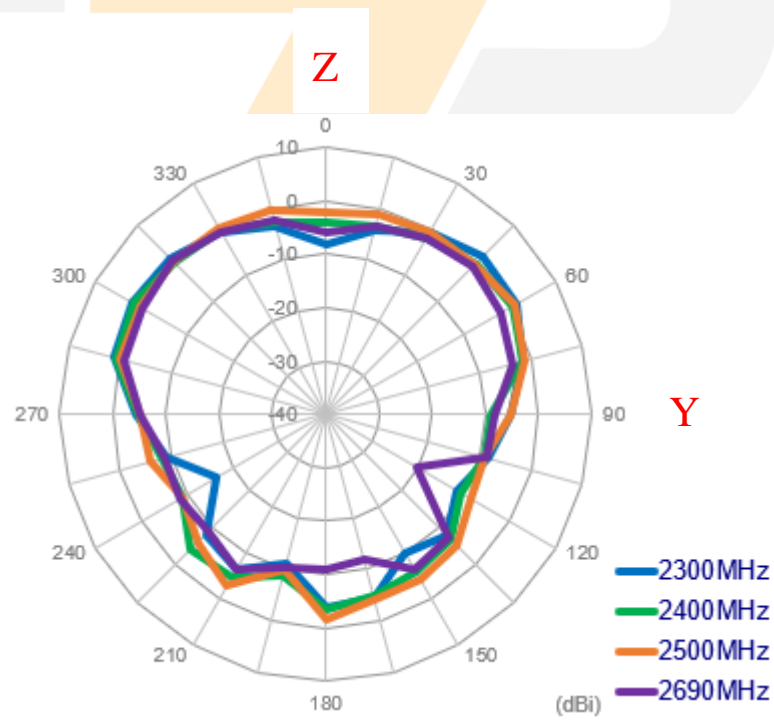
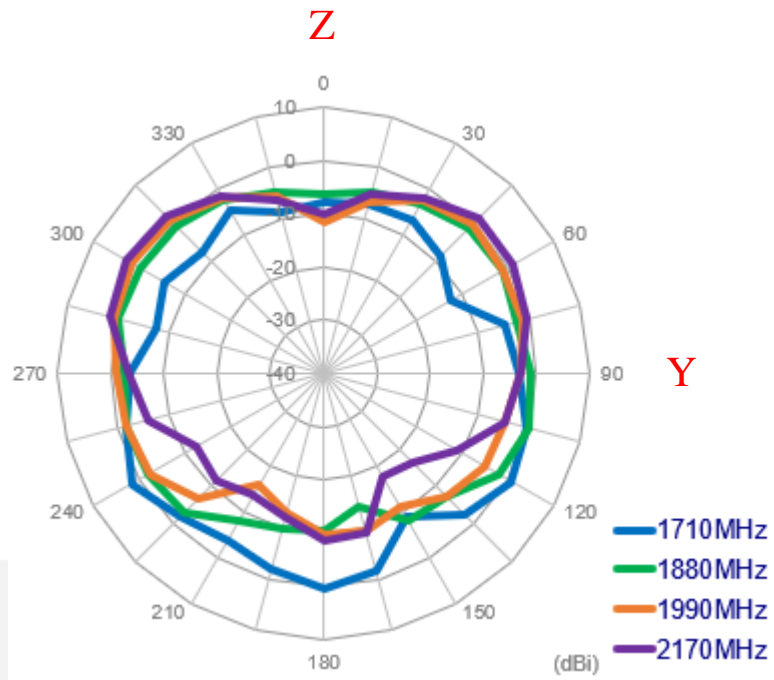






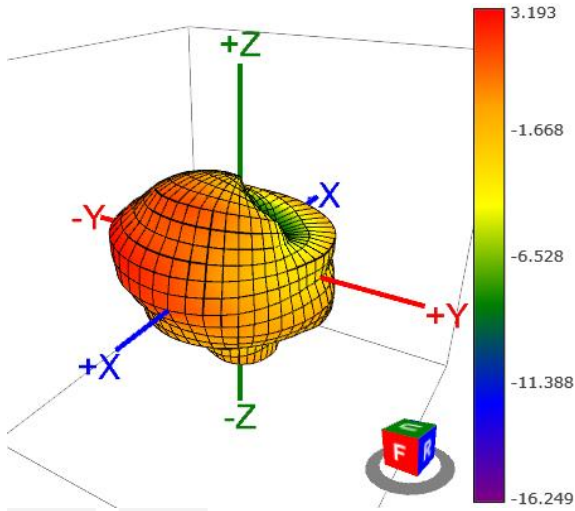




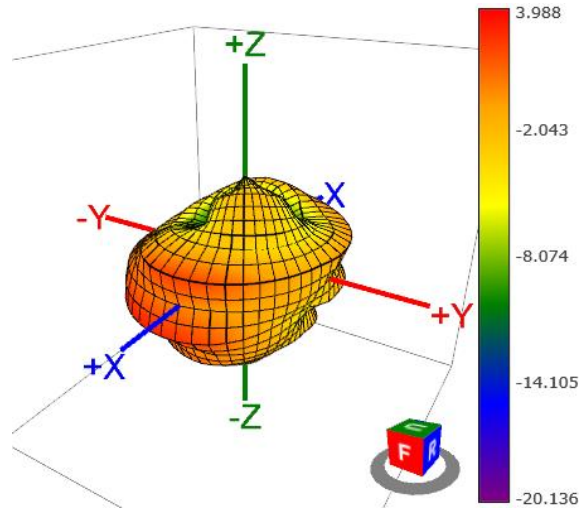




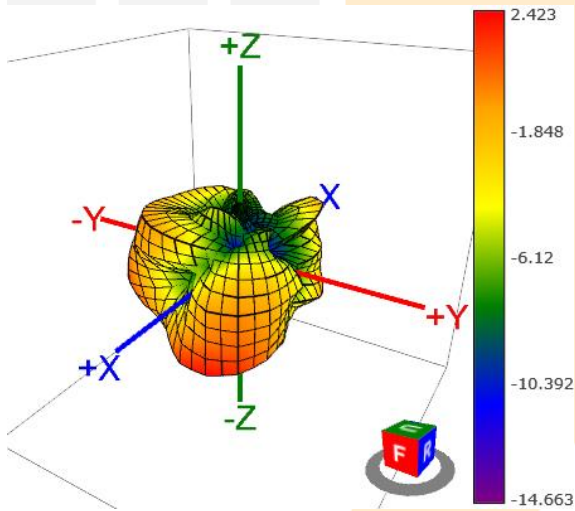
### 3D Radiation Pattern



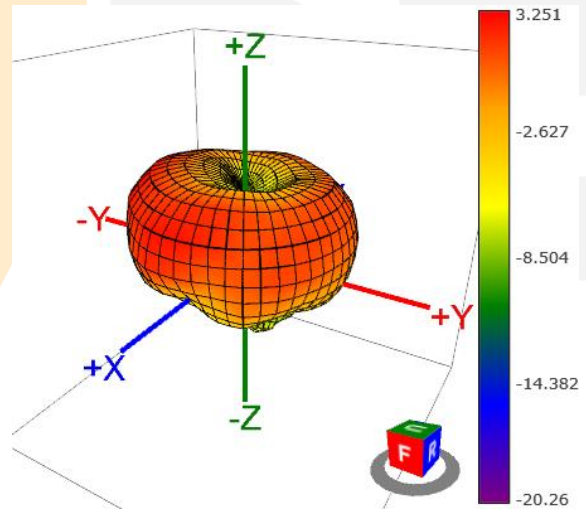
704MHz



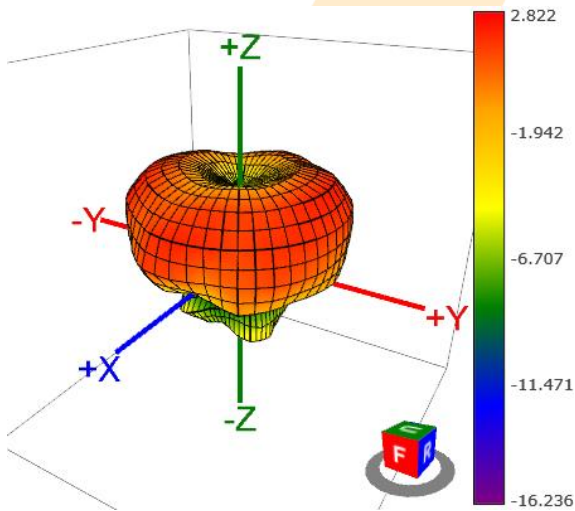
960MHz



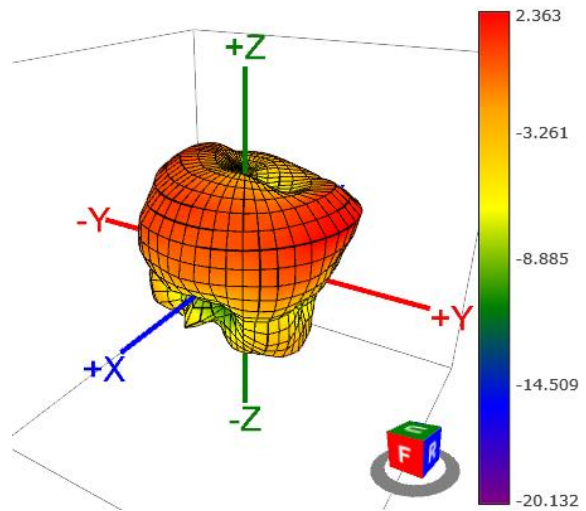
1710MHz



2170MHz



2300MHz



2690MHz



## IV. Antenna Drawing

