



Product Name: 4.6GHz Hinged Rotatable Terminal Antenna

Part Number: TA-S10B-A-X01

Features:

- Support 4.6GHz Band, 4400-4800MHz
- Diameter:10mm, Length:108mm
- SMA Male Connector
- RoHS & REACH Compliant

Applications:

- IoT Application

4.6GHz Hinged Rotatable Terminal Antenna

MODEL: TA-S10B-A-X01

Rev.A

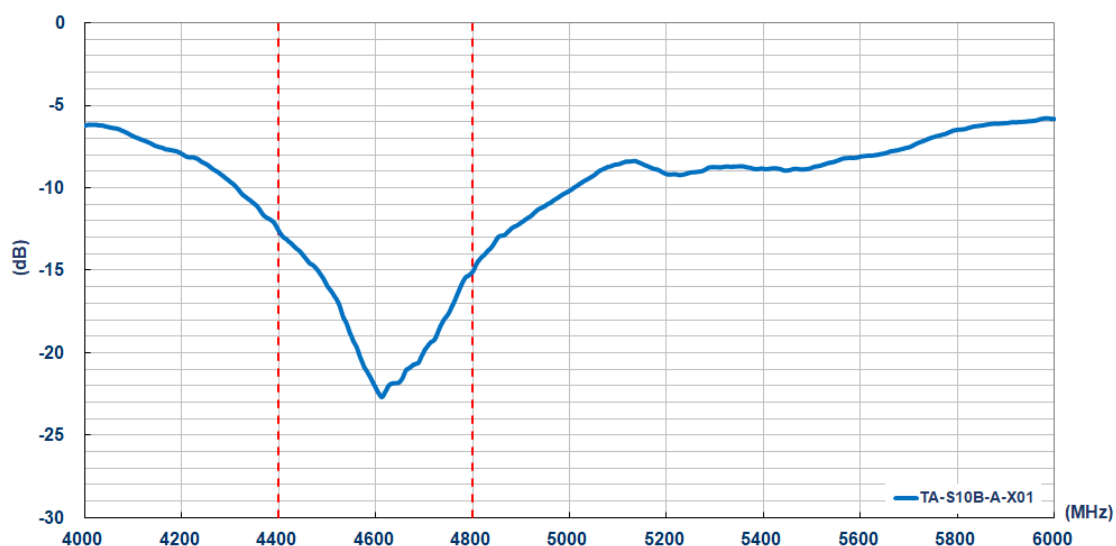
I. Specifications:

Item	LTE Specifications		
Frequencies (MHz)	4400	4600	4800
Efficiency (%)	70.47	72.30	59.80
Average Gain (dBi)	-1.52	-1.41	-2.23
Peak Gain (dBi)	5.53	4.62	4.46
V.S.W.R	< 2		
Return Loss (dB)	< -10		
Test Condition	Free Space		
Impedance (Ω)	50		
Polarization	Linear		
Physical Properties			
Dimension (mm)	108(L) x 10(D)		
Color	Black		
Connector	SMA Male		
Operating Temperature (°C)	-40 ~ +85		
Storage Temperature (°C)	-40 ~ +85		

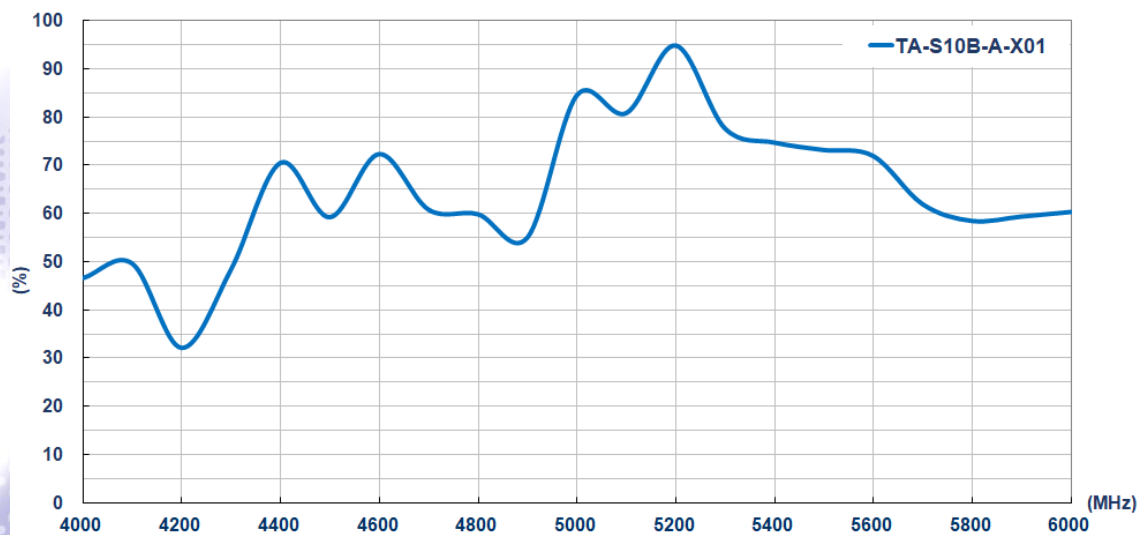
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II. Antenna Technical Parameters:

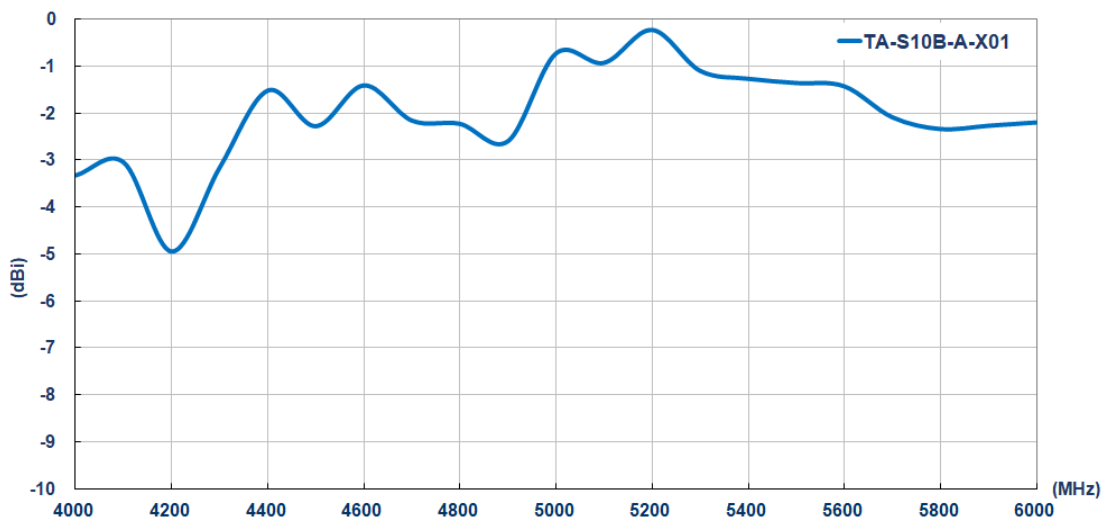
S11 (dB)



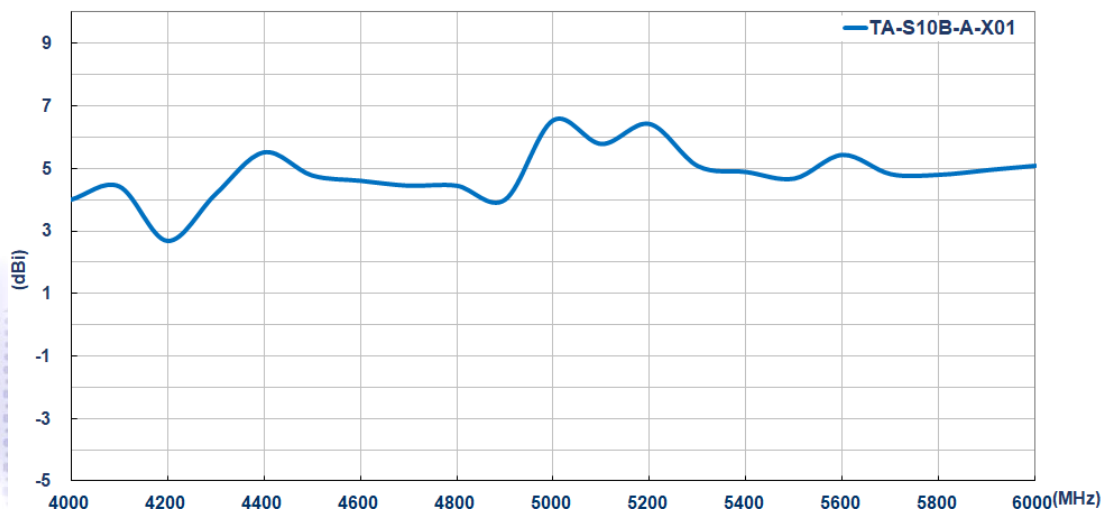
Efficiency (%)



Average Gain (dBi)

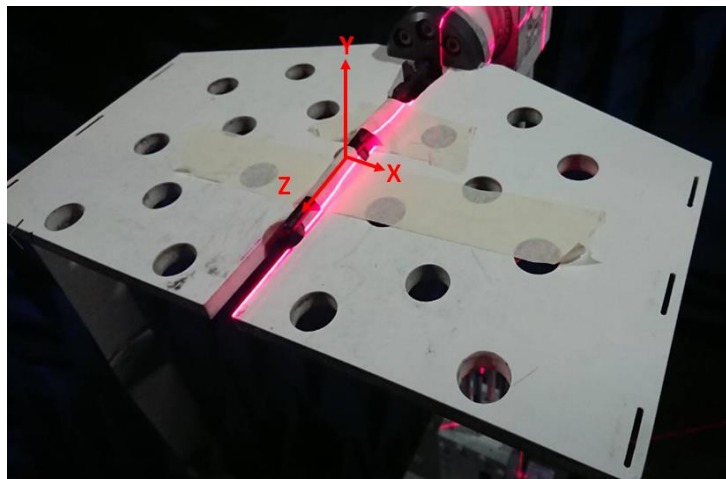


Peak Gain (dBi)



III. Antenna Radiation Pattern Measurement:

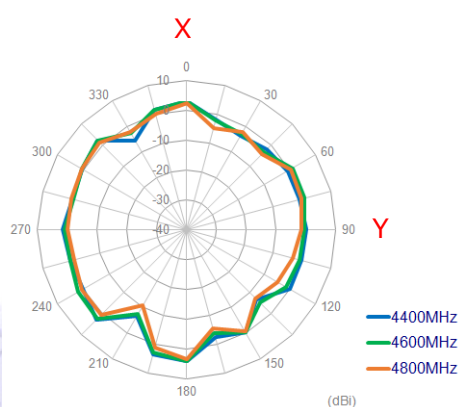
The antenna radiation patterns are measured in 3D Anechoic Chamber.
The measurement setup is as show below,



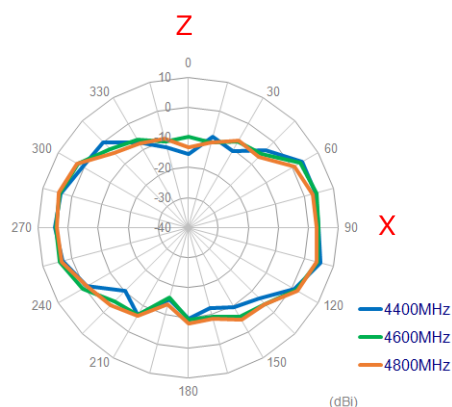
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IV. 2D Radiation Pattern:

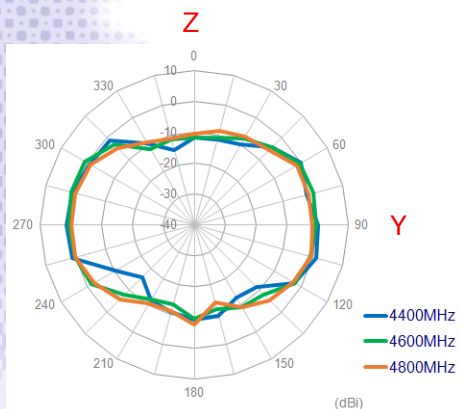
X-Y plane



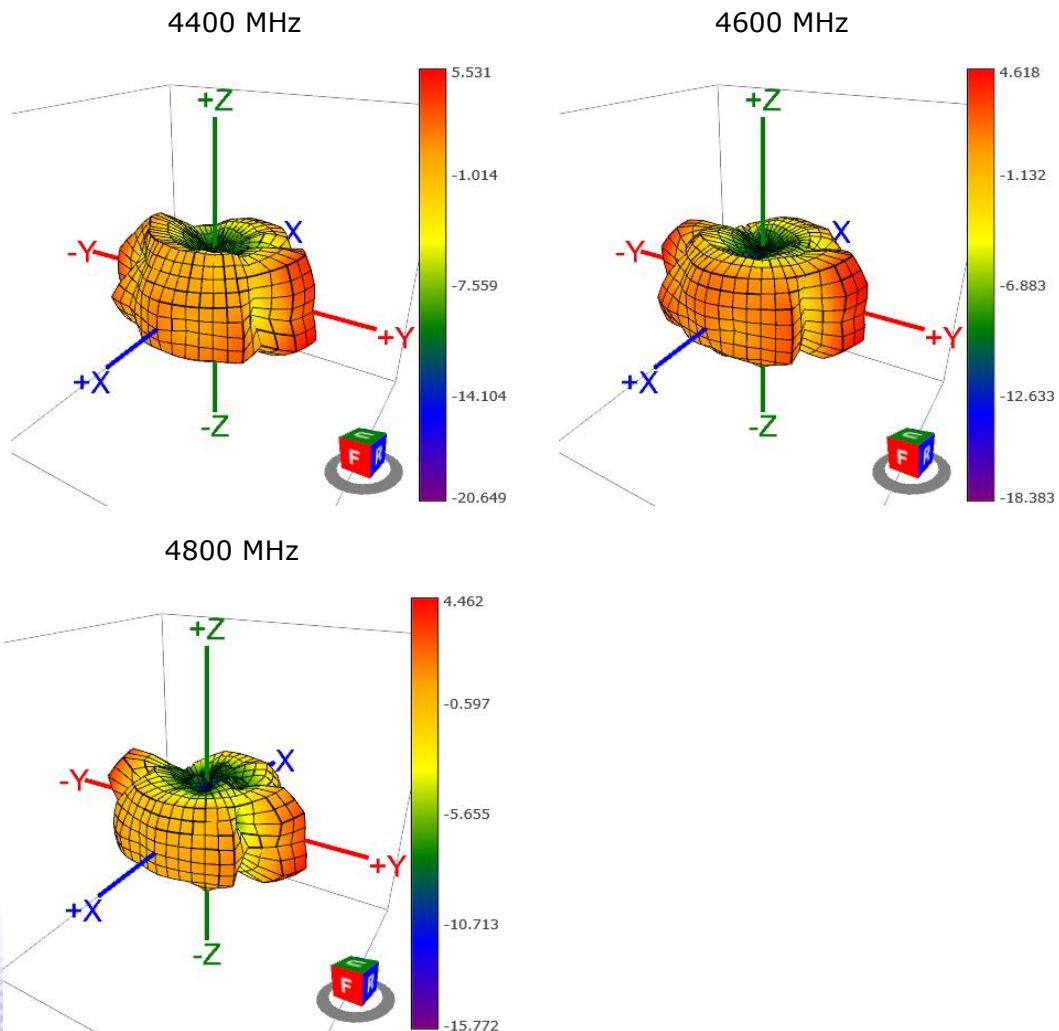
X-Z plane



Y-Z plane

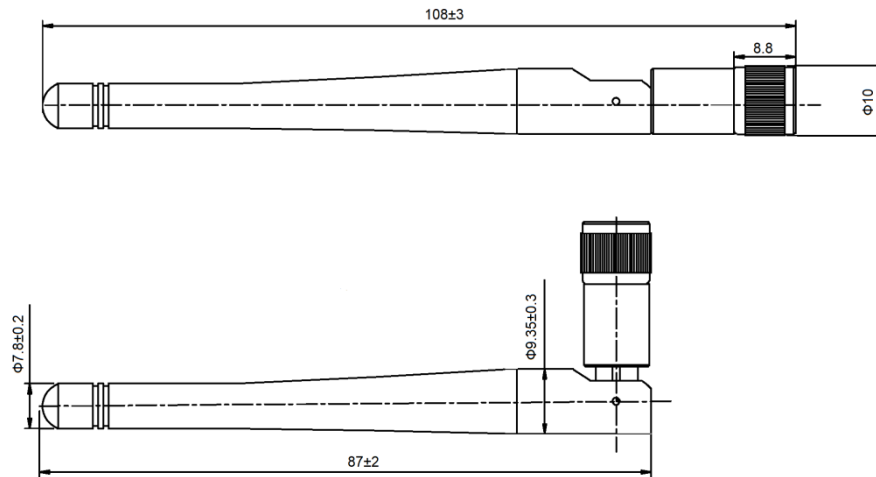


V. 3D Radiation Pattern:



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VI. Mechanical Drawing (Unit:mm):



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