

**Description:** LTE 4G/5G 617-4200MHz Low PIM Ceiling Mount antenna

**Series:** Skinny

**PART NUMBER:** **DASLPP5G4310/DASLPP5GNF**

**Features:**

- Frequency 617-4200MHz
- Gain 2/3/4dBi
- Size  $\Phi 179 \times 10 \text{mm}$  (7.047x0.394")
- Low PIM -152dBc
- Connector: 4.3-10 Female or N-Female
- Direct mounting with nut

**Applications:**

- In building
- DAS system
- DAS 4G LTE systems
- DAS 5G systems
- Ceiling mounting



All dimensions are in mm / inches

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For more information:

Pulse Worldwide Headquarters  
15255 Innovation Drive #100  
San Diego, CA 92128  
USA  
Tel: 1-858-674-8100

Pulse/Larsen Antennas  
18110 SE 34<sup>th</sup> St Bldg 2 Suite 250  
Vancouver, WA 98683  
USA  
Tel: 1-360-944-7551

Europe Headquarters  
Pulse GmbH & Do, KG  
Zeppelinstrasse 15  
Herrenberg, Germany  
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.  
99 Huo Ju Road(#29 Bldg,4<sup>th</sup> Phase  
Suzhou New District  
Jiangsu Province, Suzhou 215009 PR China  
Tel: 86 512 6807 9998



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**ELECTRICAL SPECIFICATIONS**

Antenna Type	Multi-dipole
Frequency	617-960/1710-2700/3300-4200MHz
Nominal Impedance	50 Ω
VSWR	<1.5
Radiation Pattern	Omn
Gain(Average peak)	2.3/2.9/3.2dBi
Intermodulation IM3(2x43dBm carrier)	<152dBc
Polarization	Horizontal
Power Withstanding	50W

**MECHANICAL SPECIFICATIONS**

P.N	Antenna Size	Weight	Antenna Color/Material	Connector Type	Cable Type	Cable Length
DASLPP5G4310	Φ179x10mm (7.047x0.394")	220 ± 10g	White/ABS	4.3-10 Female	RG141, UL94-V0	300mm(11.811")
DASLPP5GNF				N Female		

**ENVIRONMENTAL SPECIFICATIONS**

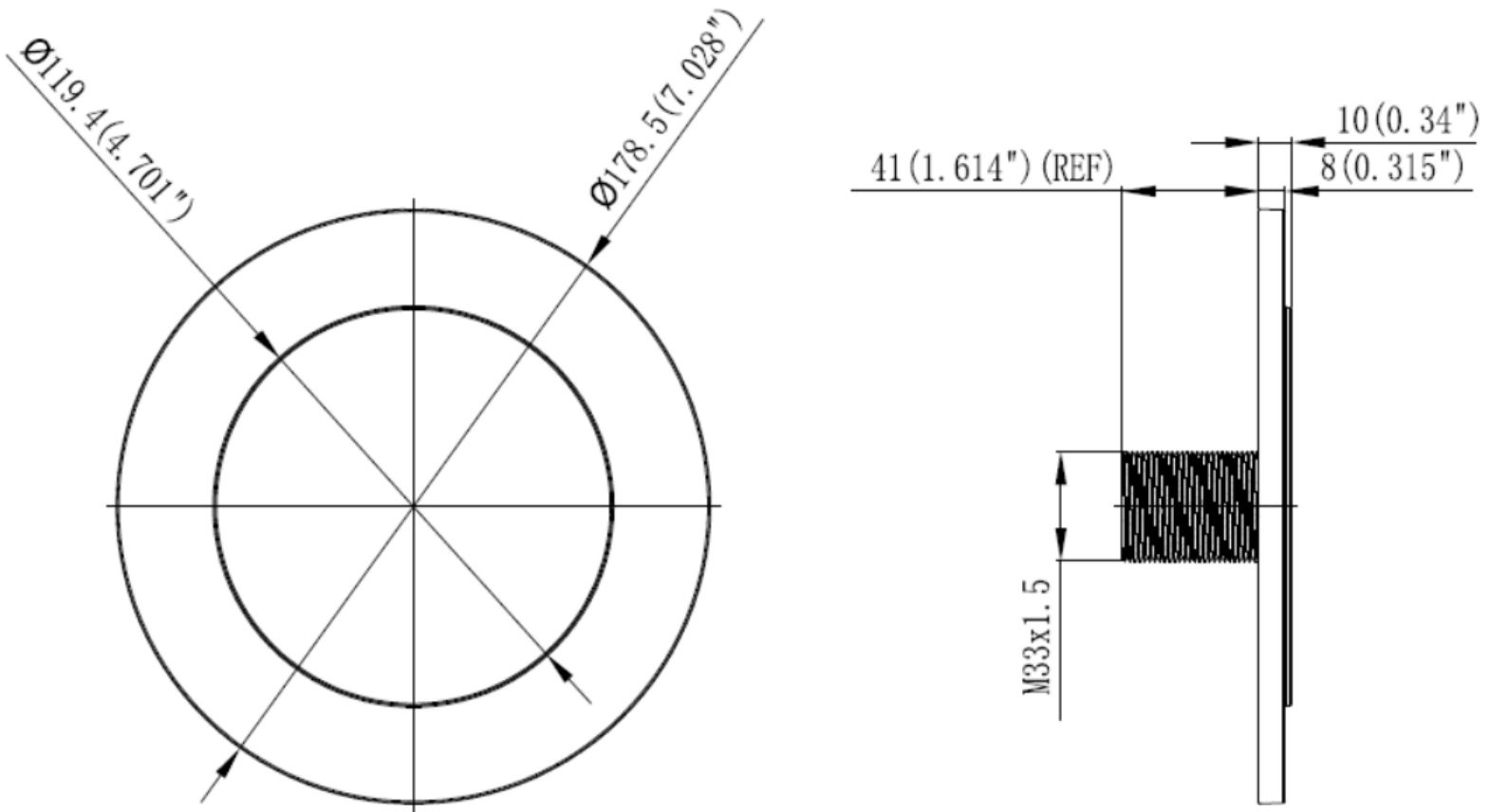
Operating Temperature	-40 ~ +85° C
Storage Temperature	-40 ~ +85° C
Ingress Protection	IP30
RoHS Compliant	Yes

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**MECHANICAL DRAWING**



Unit: MM(IN)

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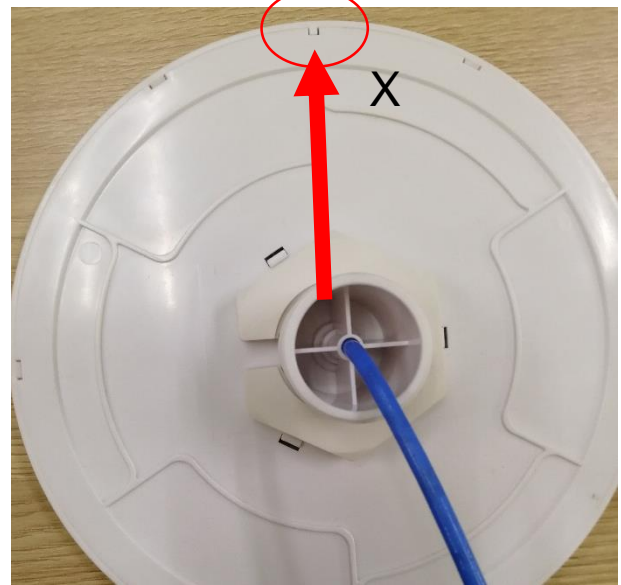
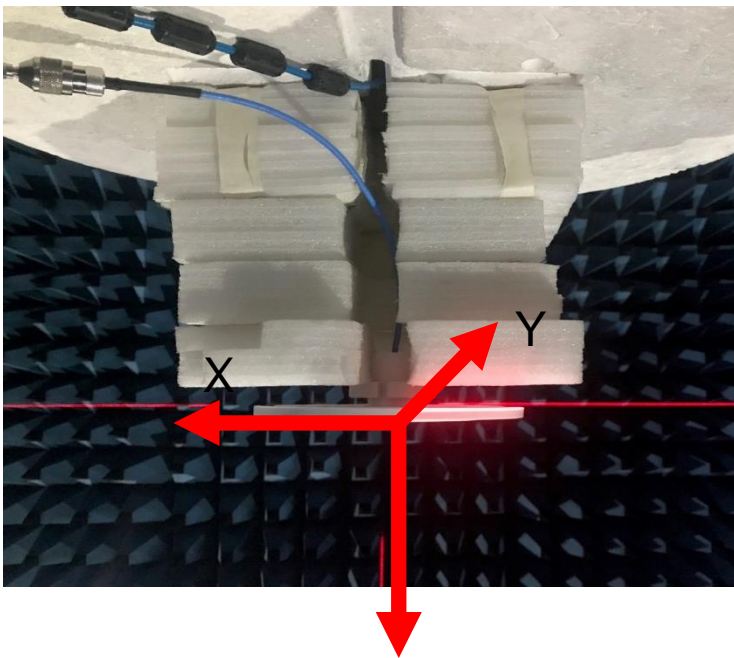
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**CHARTS**

Test Setup

0 degree marker



Z, towards floor

Z-axial is theta 0 degree.

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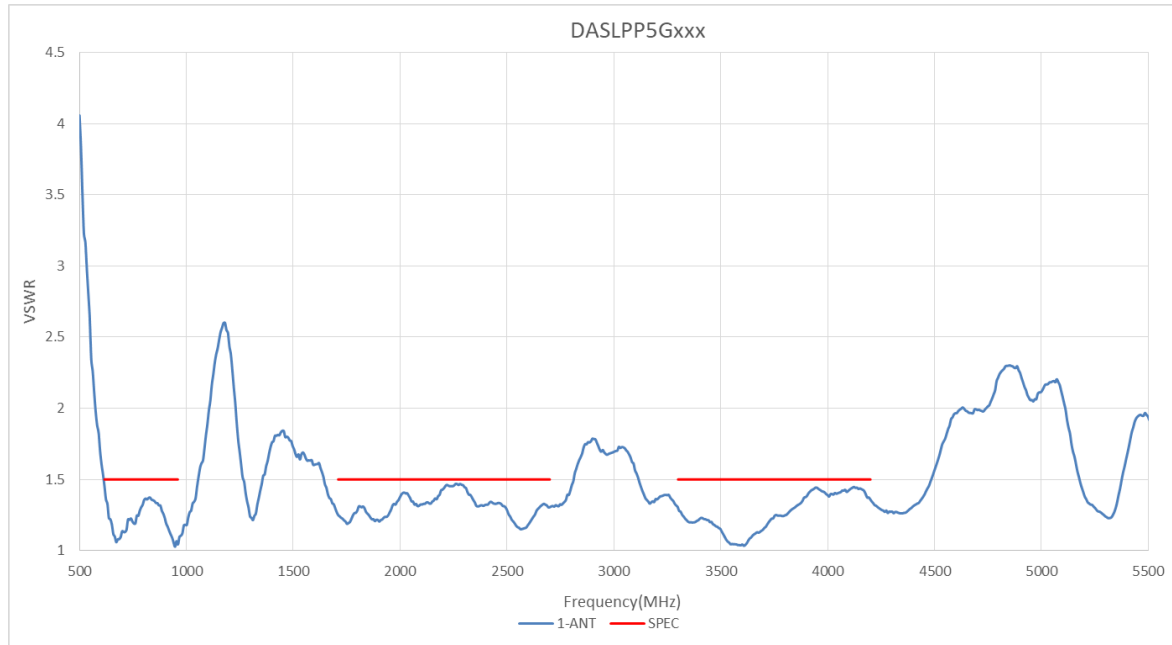
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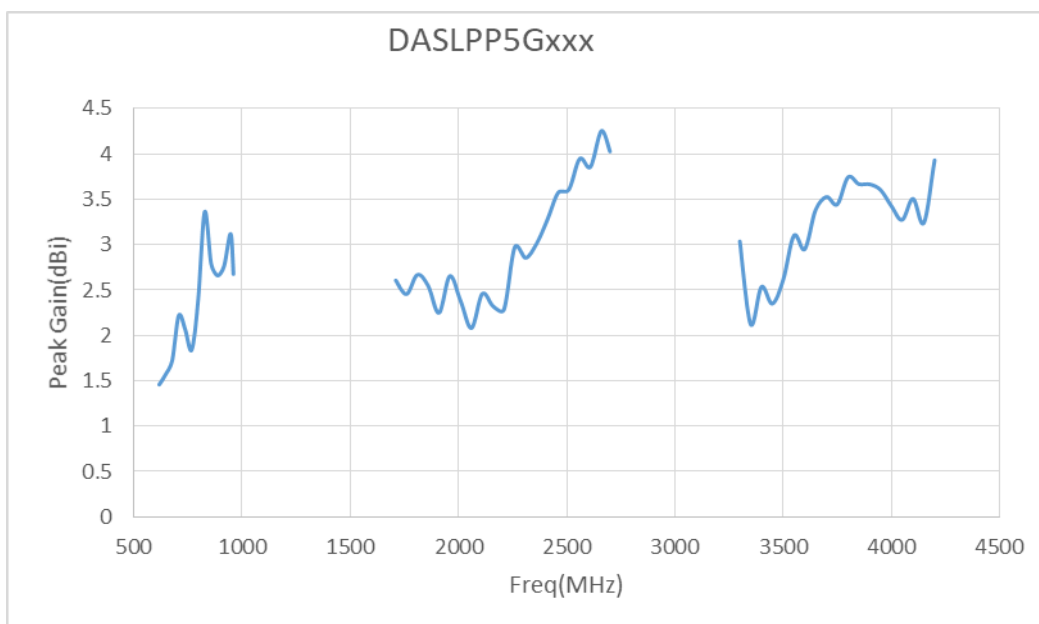
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**CHARTS**

VSWR in free space



Peak Gain in free space



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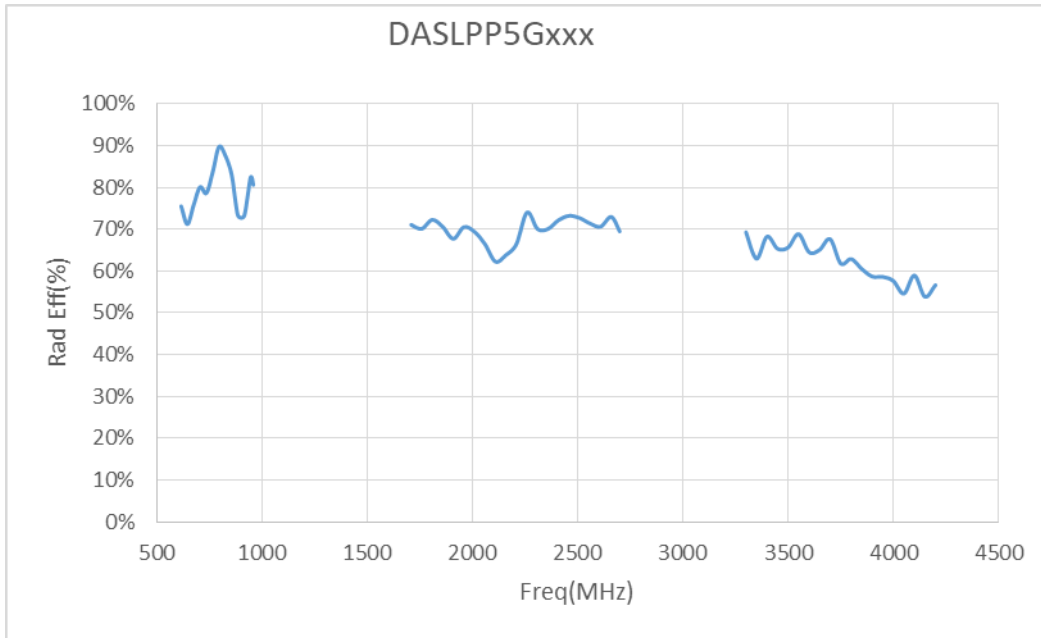
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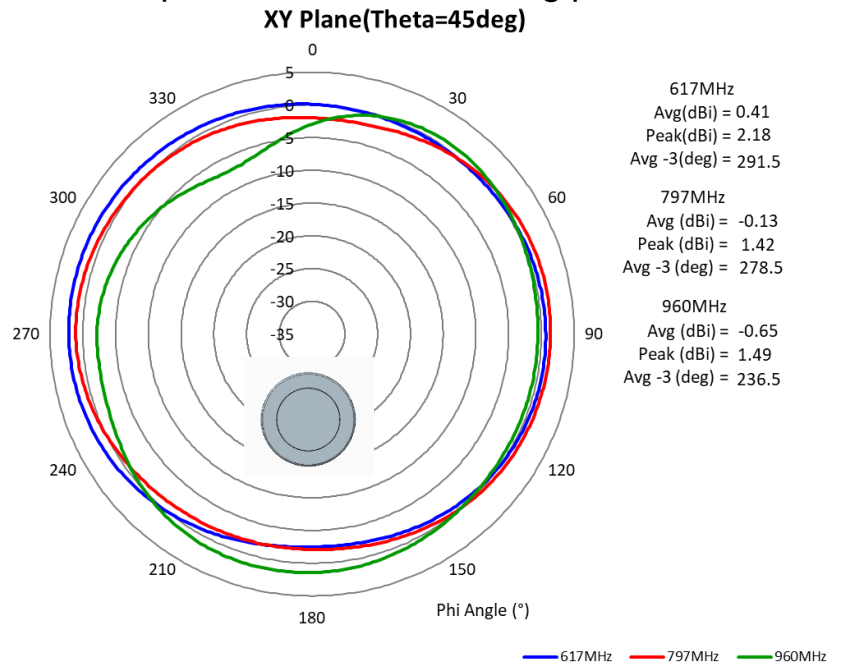
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**CHARTS**

Radiation Efficiency in free space



Radiation pattern of theta is 45deg plane at low band



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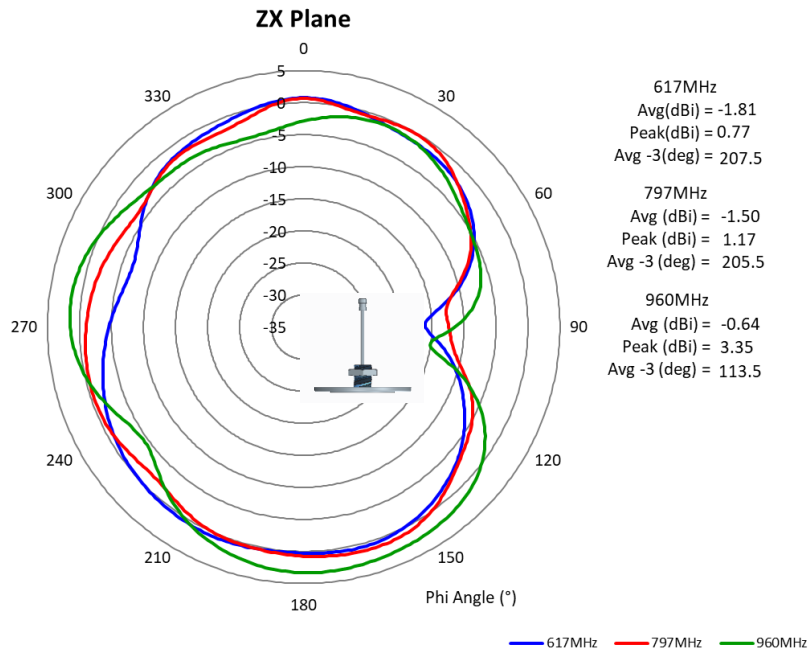
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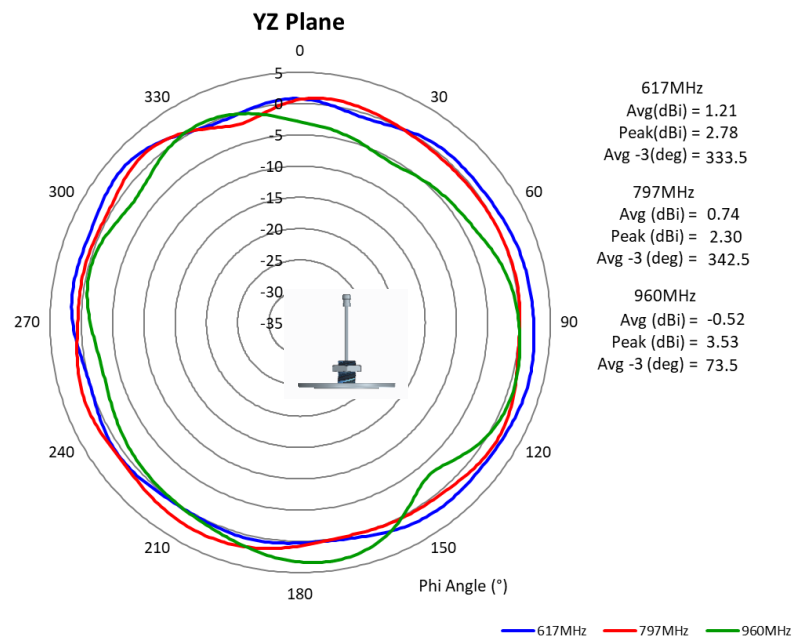
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**CHARTS**

Radiation pattern of ZX plane at low band



Radiation pattern of YZ plane at low band



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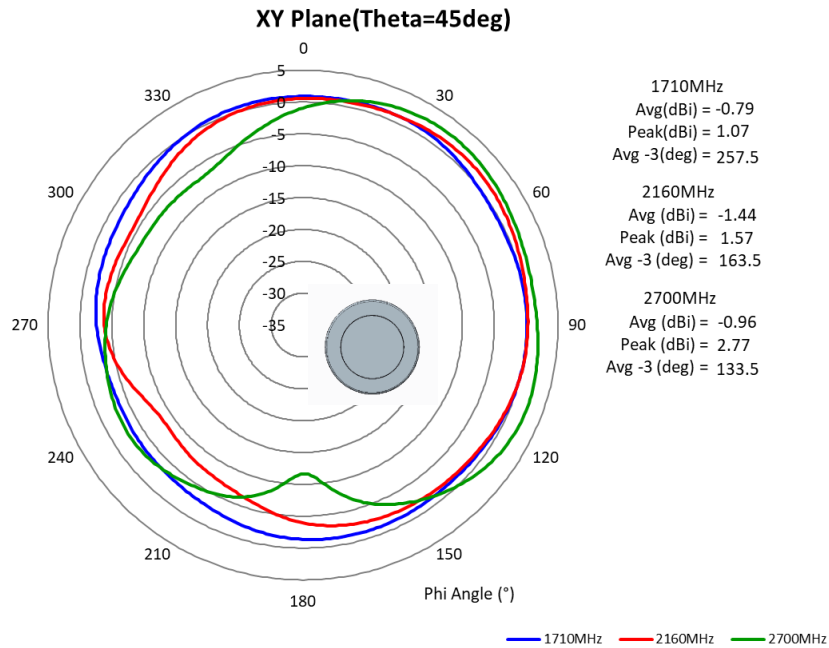
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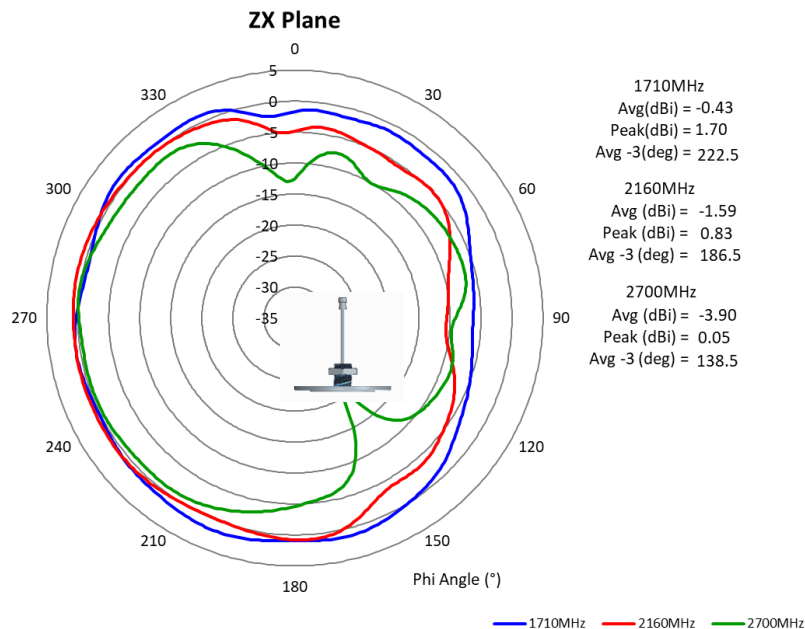
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**CHARTS**

Radiation pattern of theta is 45deg plane at mid band



Radiation pattern of ZX plane at mid band



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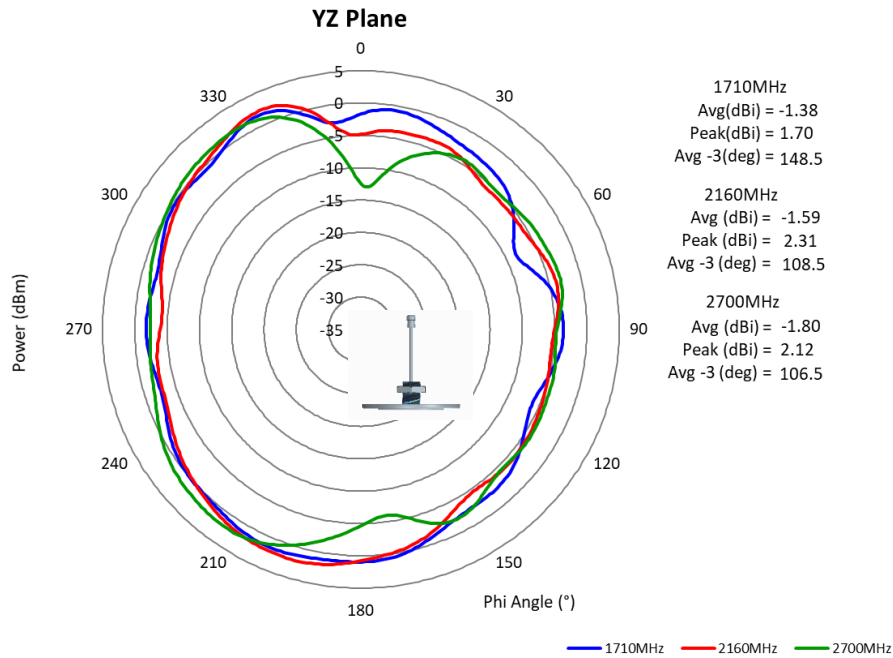
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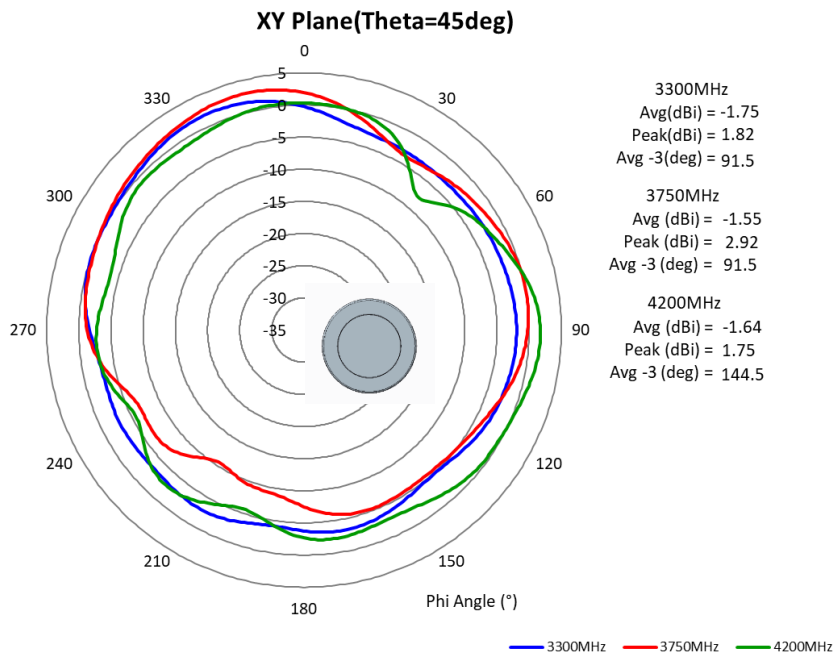
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**CHARTS**

Radiation pattern of YZ plane at mid band



Radiation pattern of theta is 45 deg plane at high band



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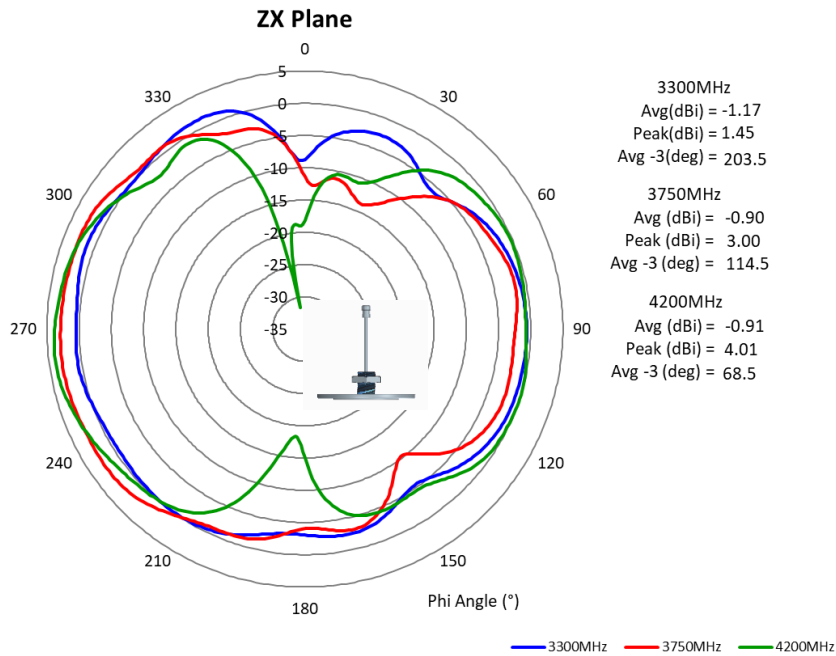
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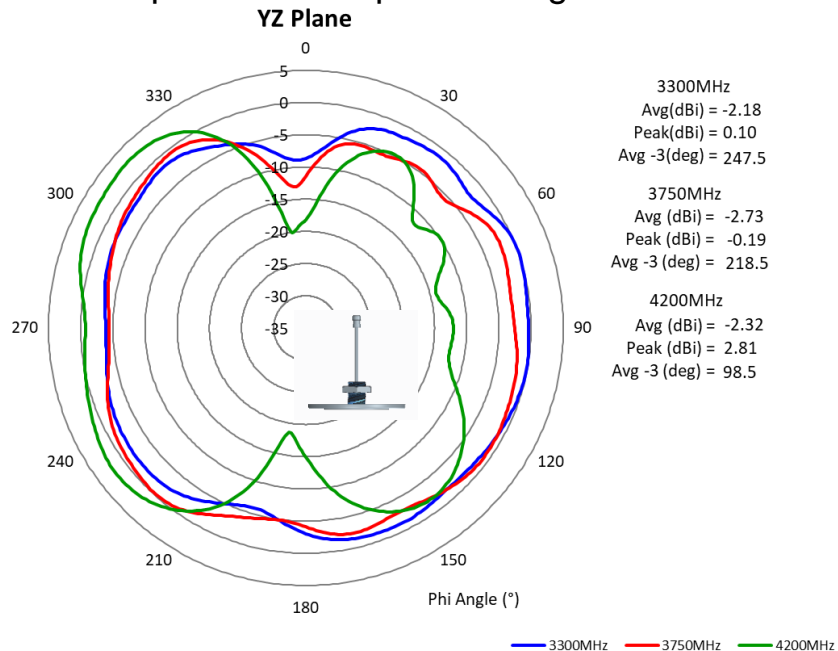
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**CHARTS**

Radiation pattern of ZX plane at high band



Radiation pattern of YZ plane at high band



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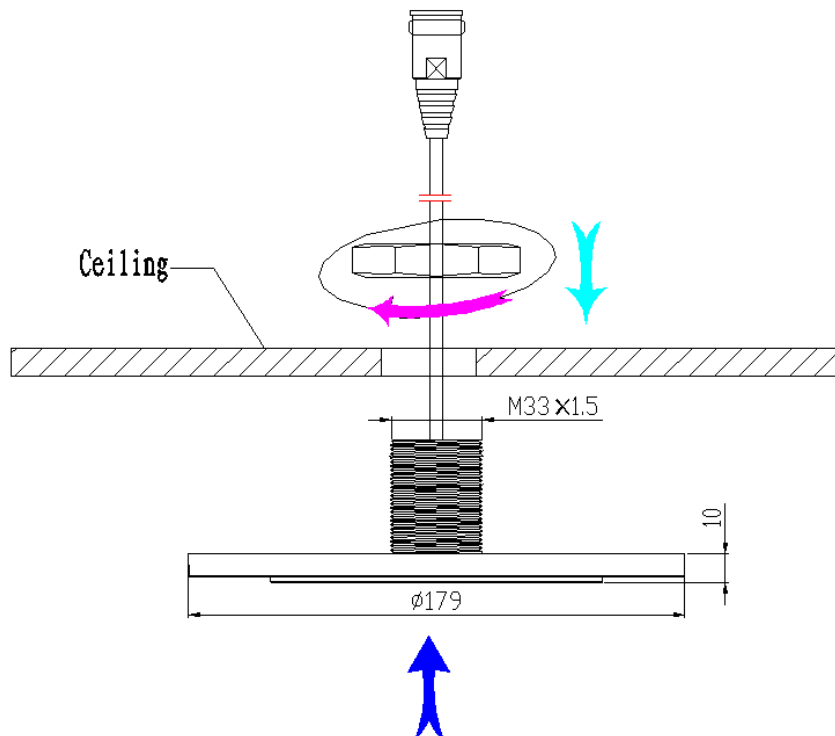
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## ASSEMBLY



1. Drill a  $\Phi 33 \sim \Phi 44$  hole on the ceiling.
2. Install the antenna as the following picture shows then tighten the bolts.
3. Connect the RF jumper to antenna connector.