

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

Issue: 1923

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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

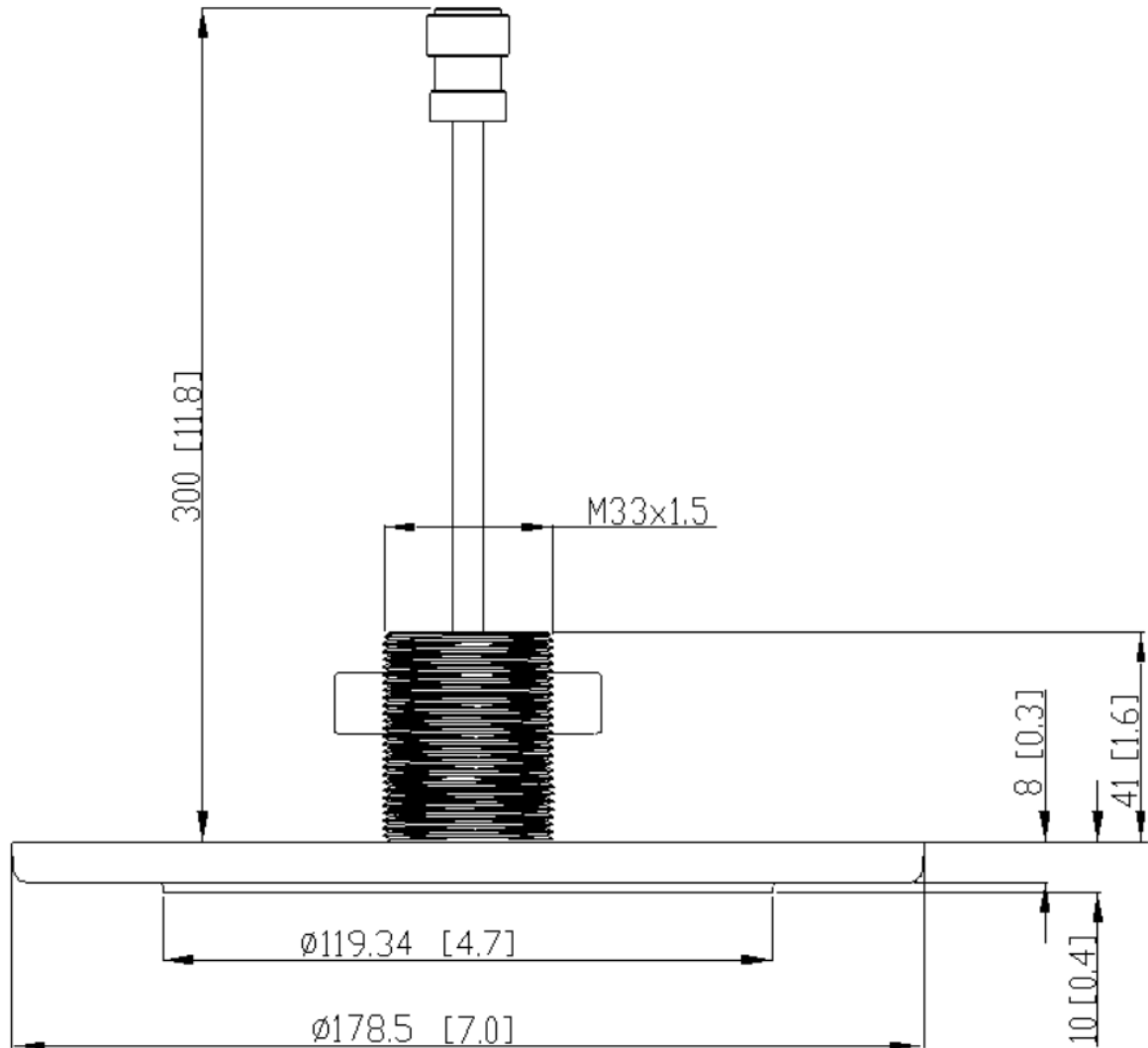
| | |
|-----------------------|--------------|
| Operating Temperature | -40 ~ +85° C |
| Storage Temperature | -40 ~ +85° C |
| Ingress Protection | IP30 |
| RoHS Compliant | Yes |

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MECHANICAL DRAWING



Unit: MM [IN]

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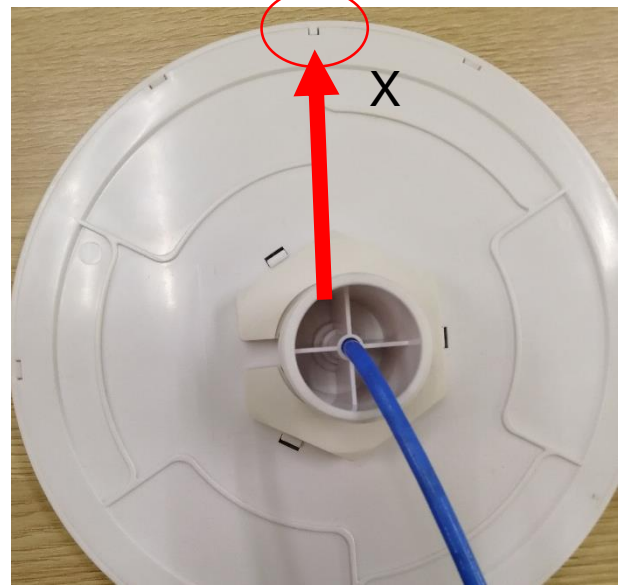
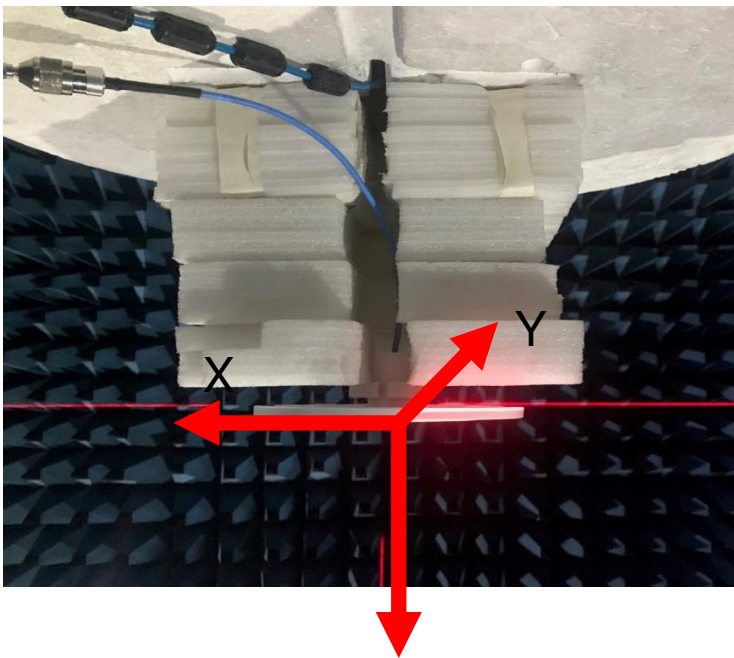
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CHARTS

Test Setup

0 degree marker



Z, towards floor

Z-axial is theta 0 degree.

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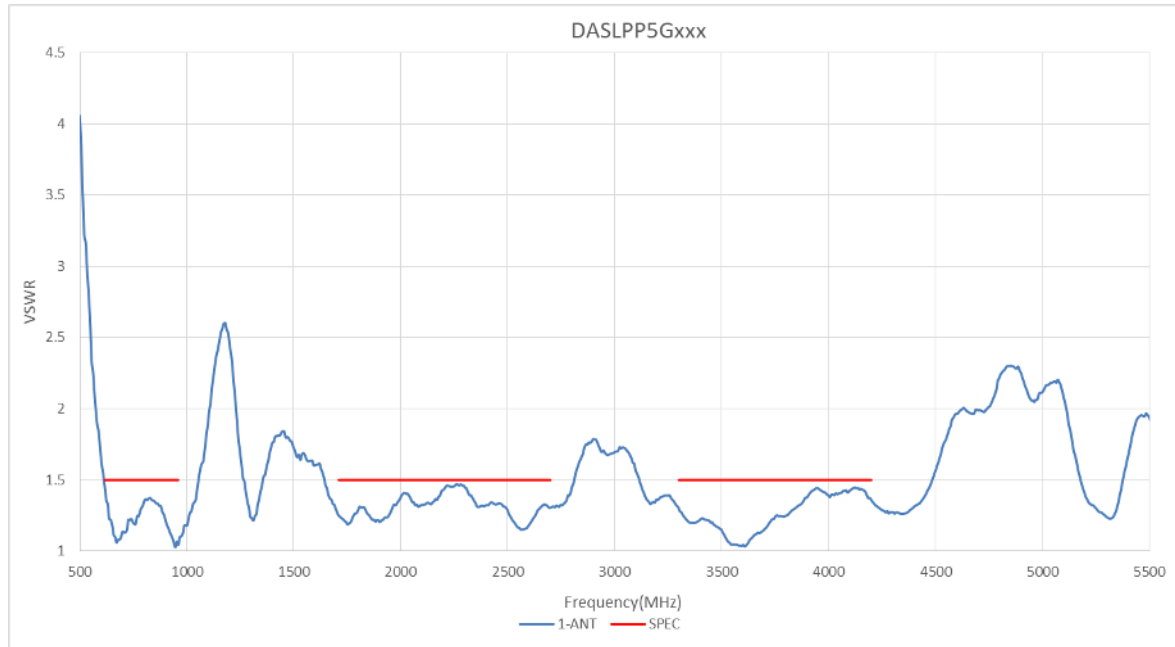
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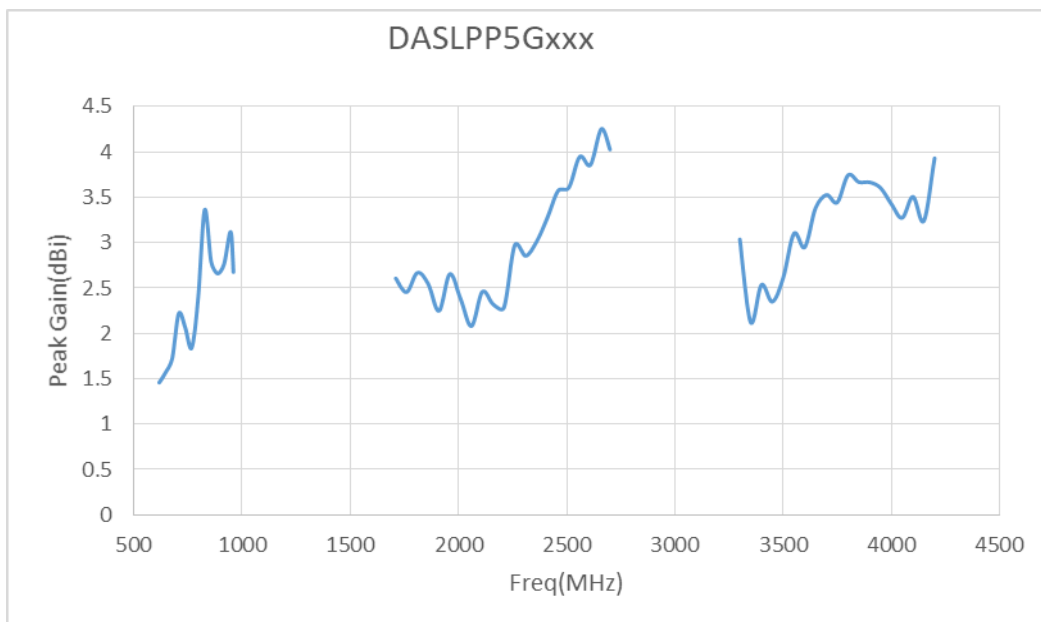
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CHARTS

VSWR in free space



Peak Gain in free space



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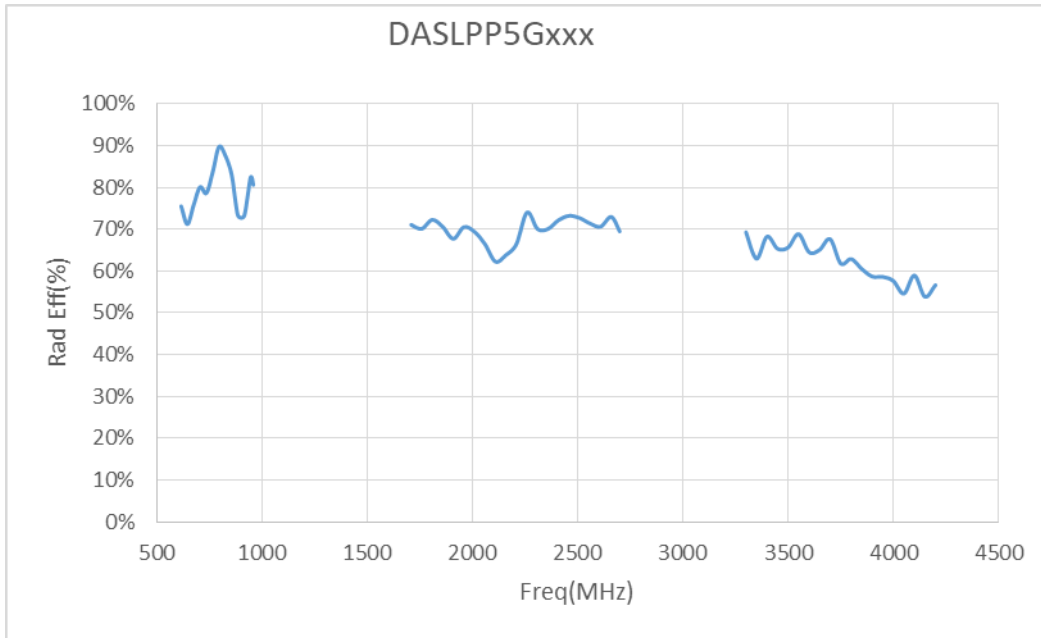
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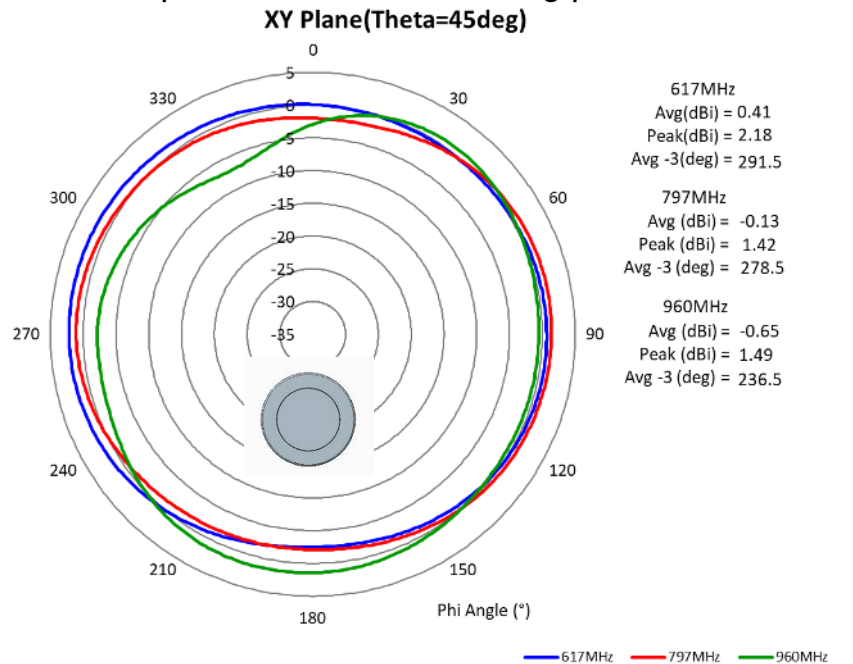
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CHARTS

Radiation Efficiency in free space



Radiation pattern of theta is 45deg plane at low band



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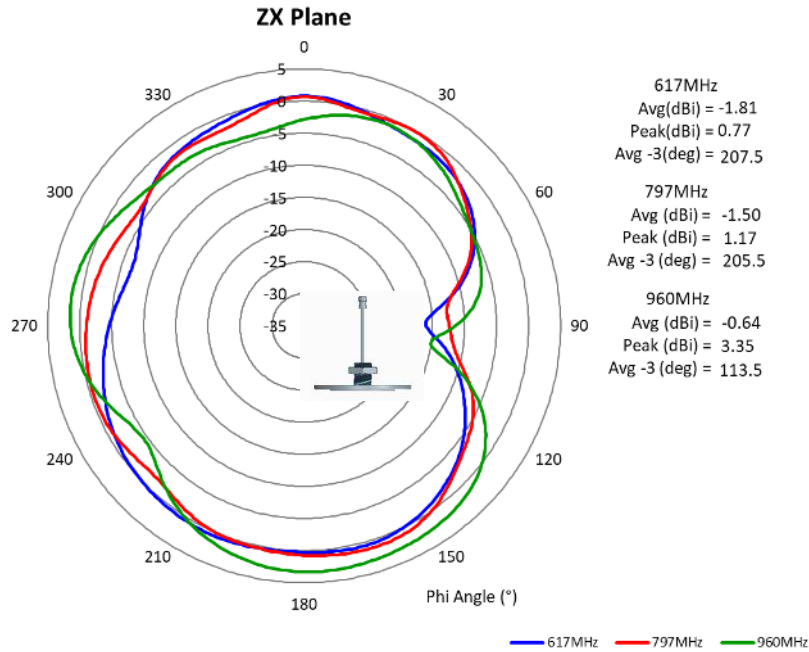
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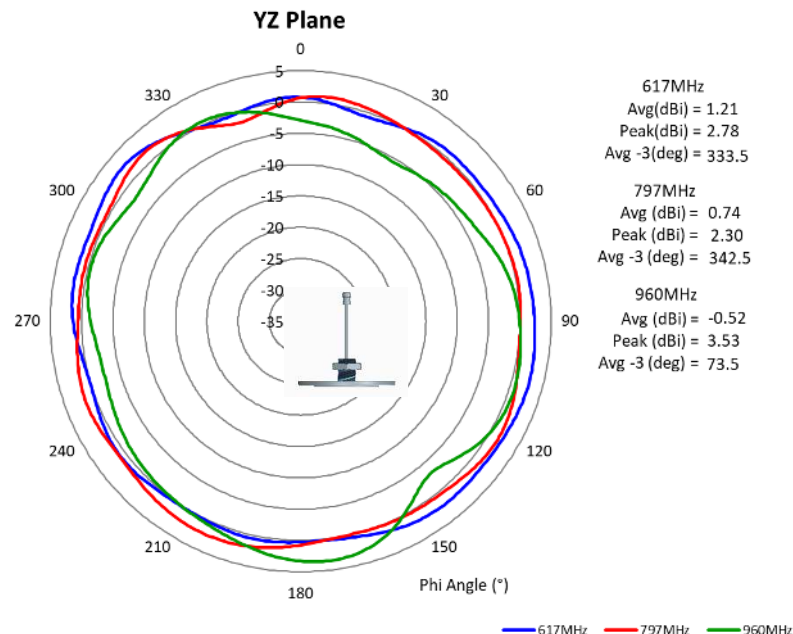
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CHARTS

Radiation pattern of ZX plane at low band



Radiation pattern of YZ plane at low band



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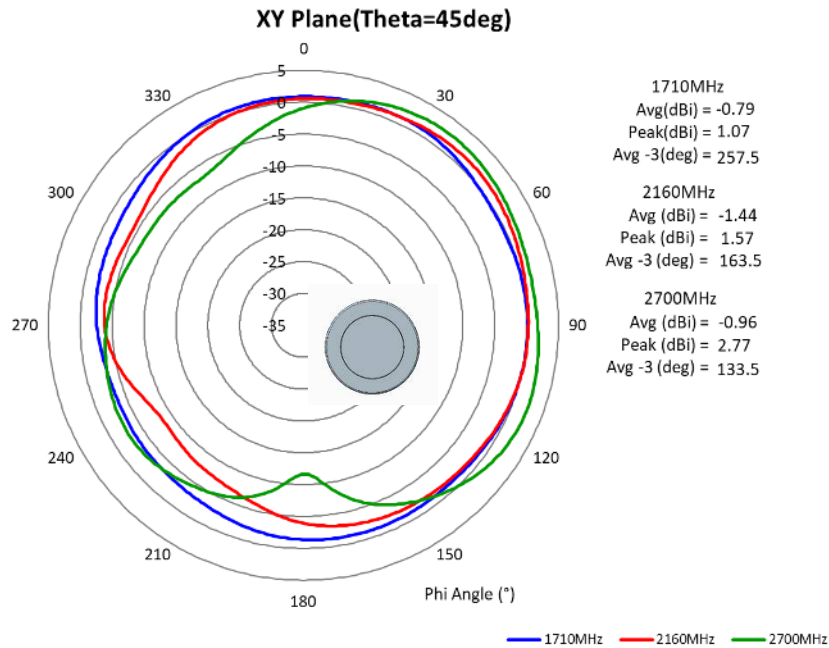
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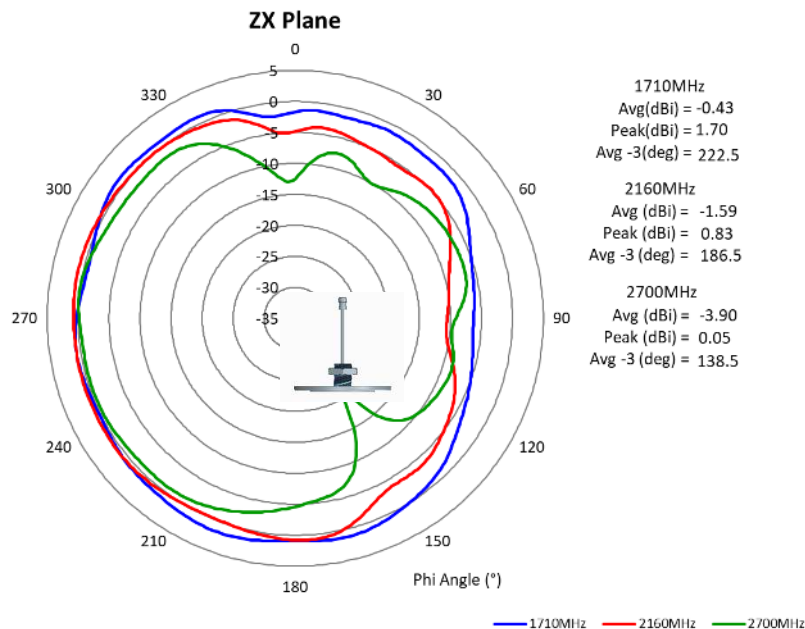
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CHARTS

Radiation pattern of theta is 45deg plane at mid band



Radiation pattern of ZX plane at mid band



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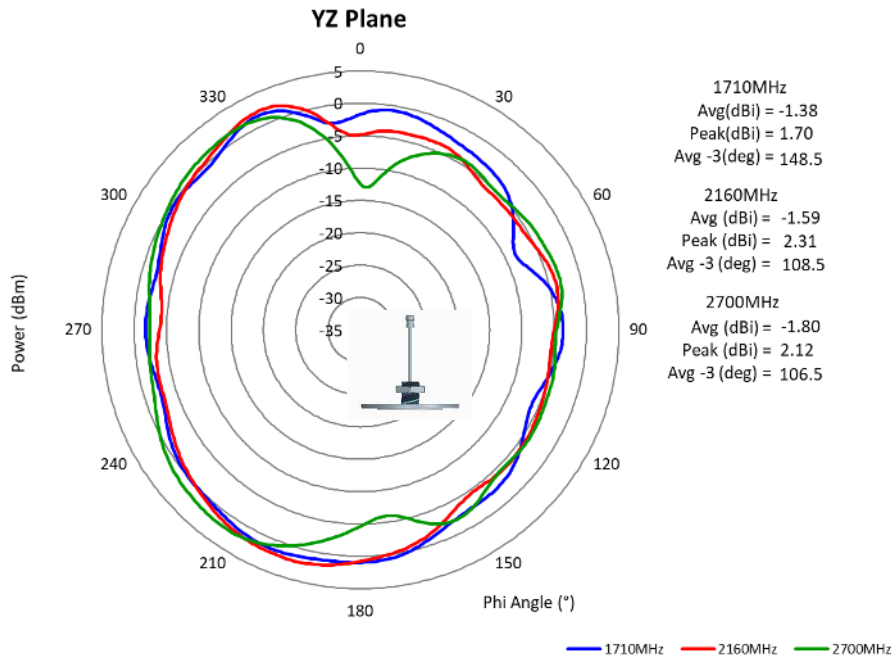
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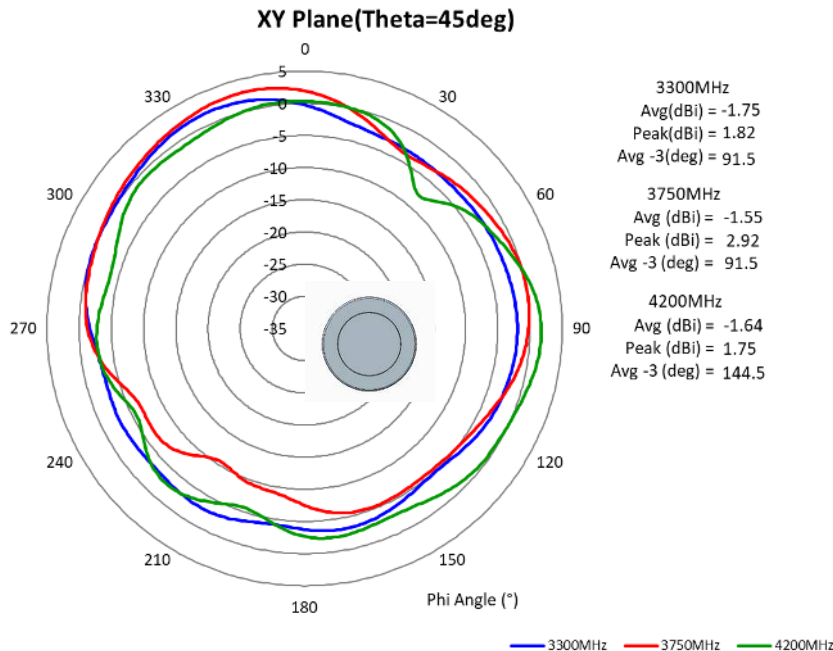
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CHARTS

Radiation pattern of YZ plane at mid band



Radiation pattern of theta is 45 deg plane at high band



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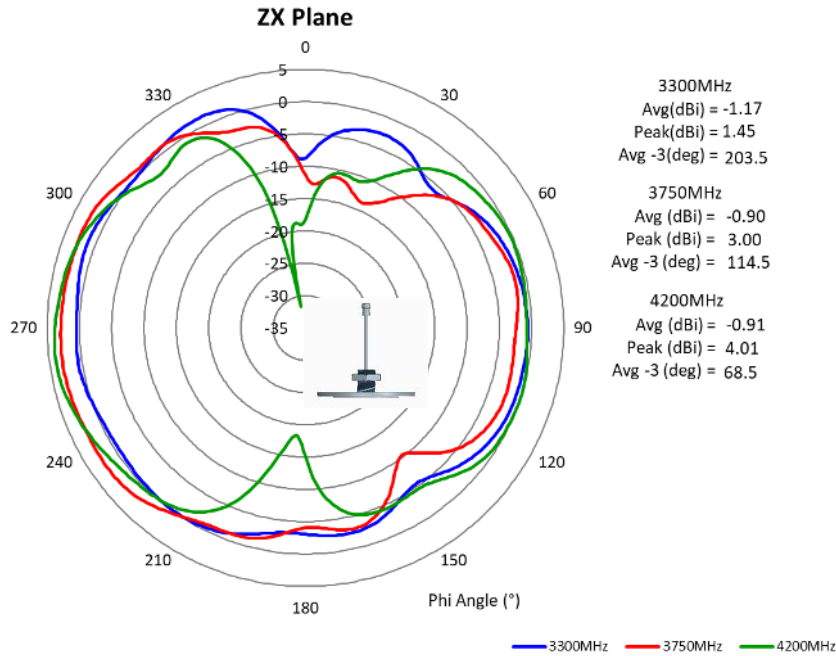
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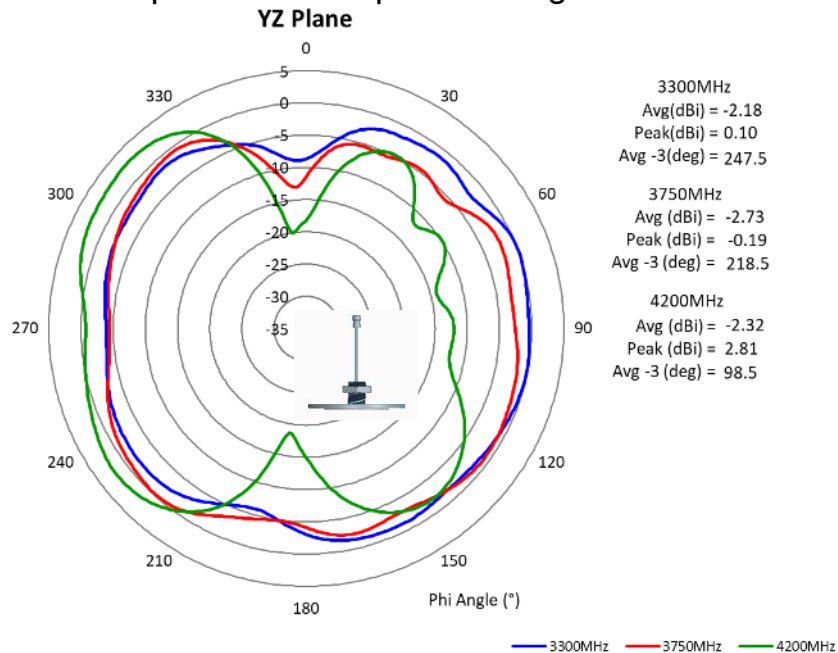
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CHARTS

Radiation pattern of ZX plane at high band



Radiation pattern of YZ plane at high band



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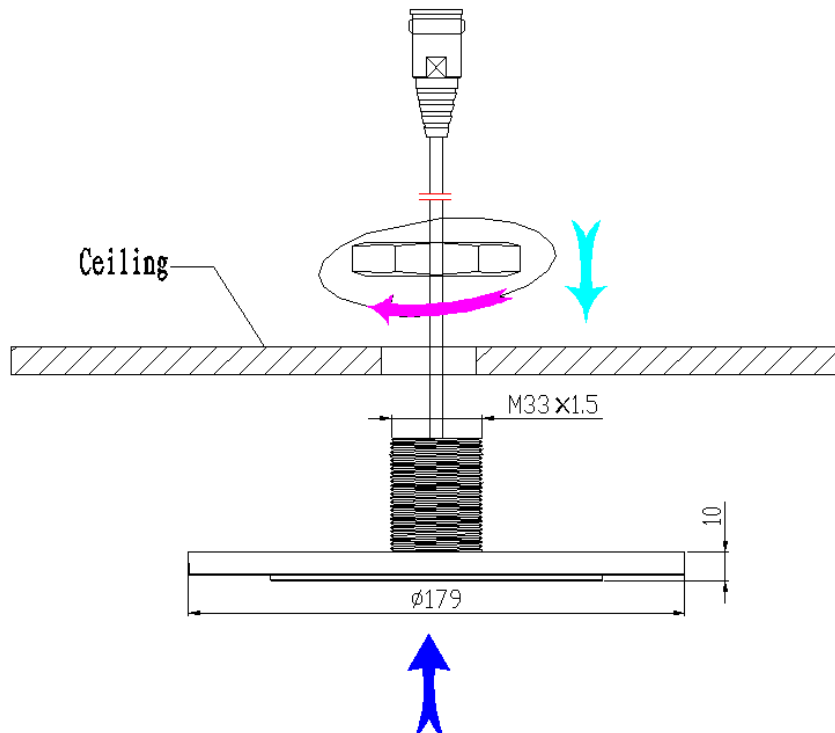
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PACKAGING

1pcs / Small Box

40pcs / Carton

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.

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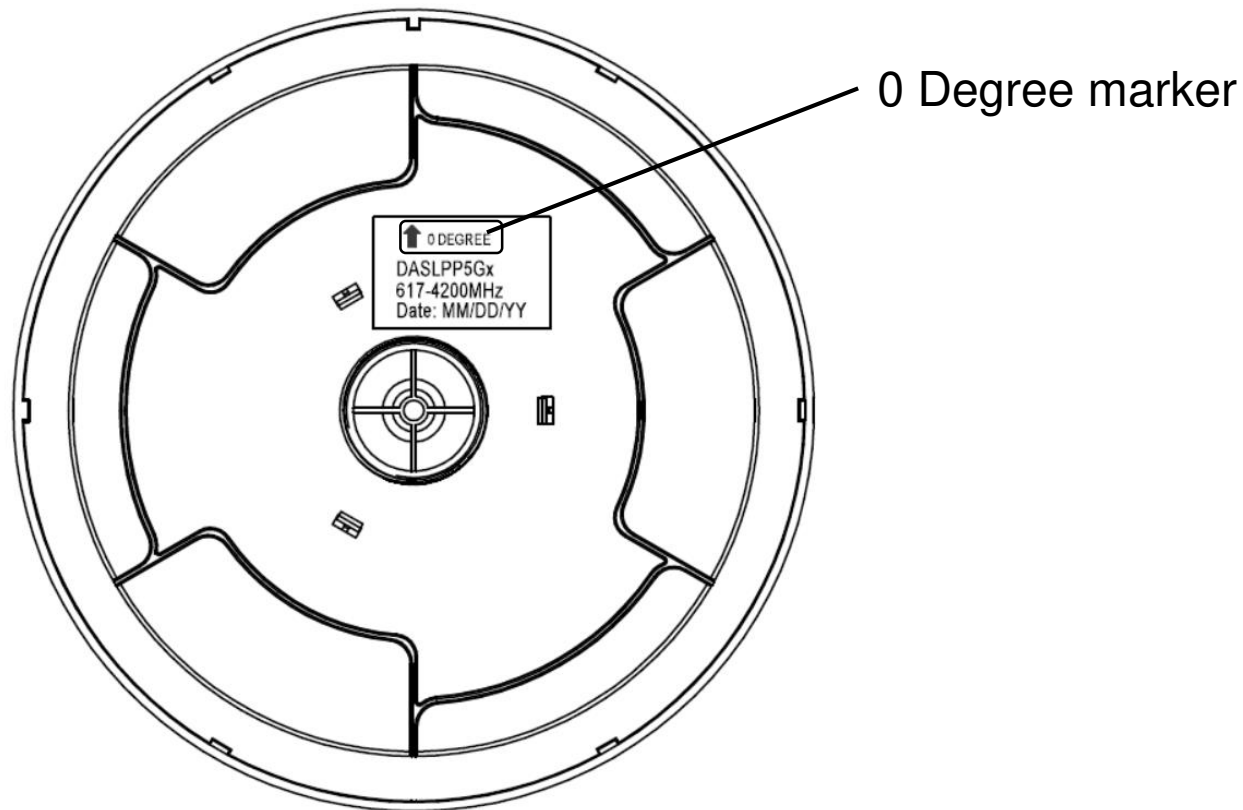
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ADDITIONAL NOTES:

Some customers may chose to take into consideration antenna propagation orientation during their planning process. The Horizontal rotation alignment mark ($\Phi=0$ deg), along with data from iBwave file will support this.

N Female: Maximum Torque 6.2-9.74 in-lbs (0.7-1.1Nm)

4.3-10 DIN: Maximum Torque 45-70 in-lbs (5-8Nm)