

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	Omni
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	$\Phi 179 \times 10 \text{mm}$ (7.047x0.394")	220 $\pm$ 10g	White/ABS	4.3-10 Female	RG141, UL94-V0	300mm(11.811")
DASLPP5GNF				N Female		

ENVIRONMENTAL SPECIFICATIONS

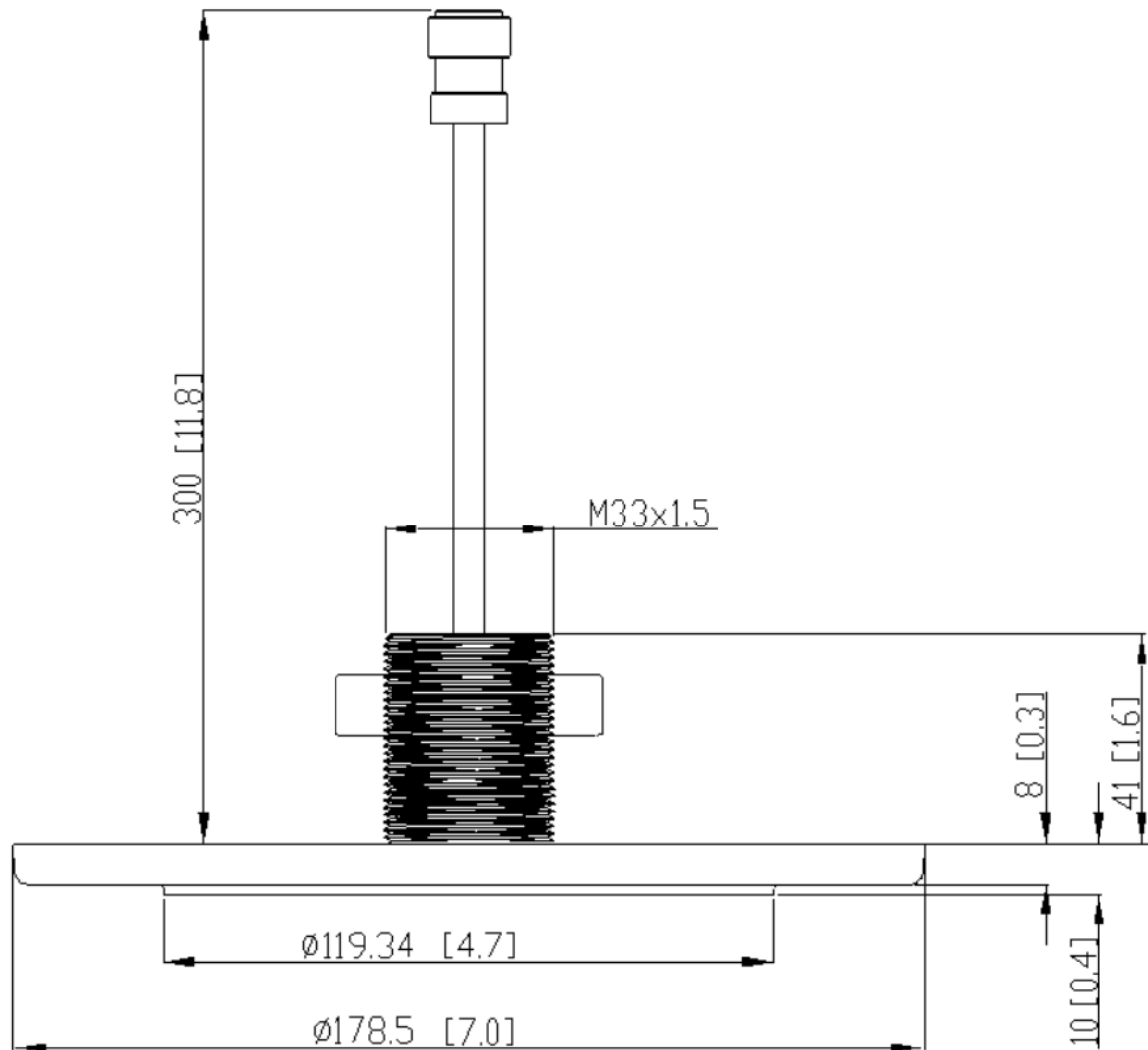
Operating Temperature	-40 ~ +85° C
Storage Temperature	-40 ~ +85° C
Ingress Protection	IP30
RoHS Compliant	Yes

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MECHANICAL DRAWING



Unit: MM [IN]

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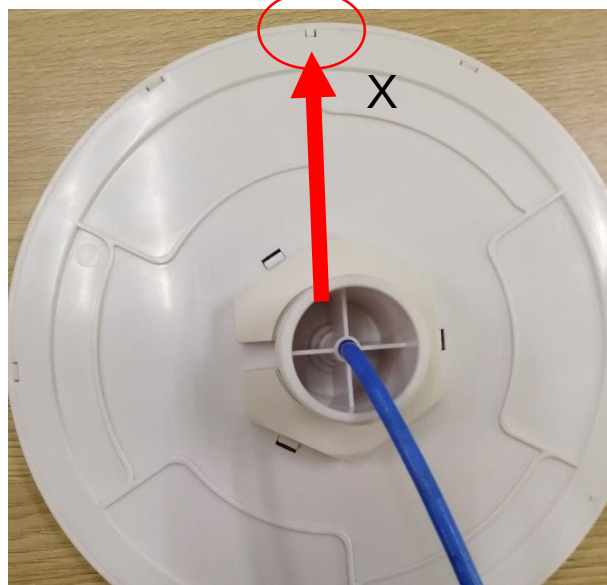
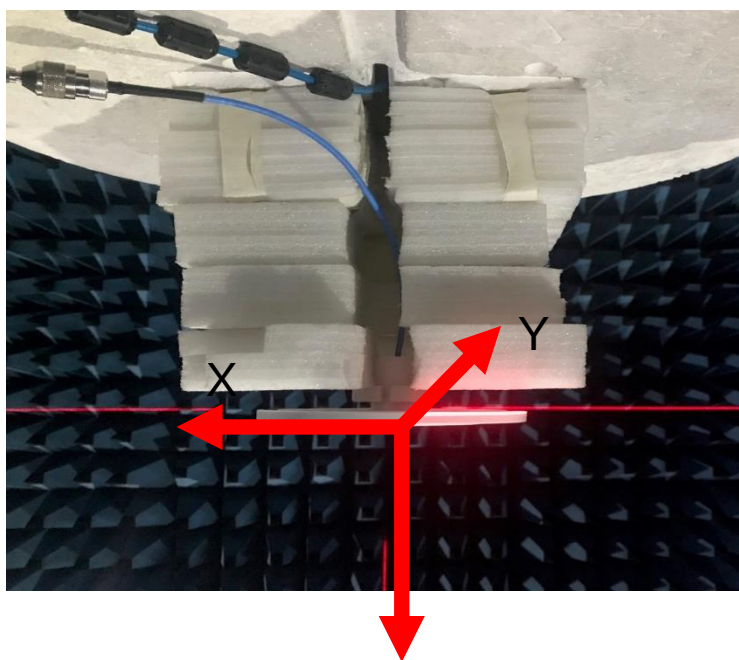
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CHARTS

Test Setup

0 degree
marker



Z, towards floor

Z-axis is theta 0 degree.

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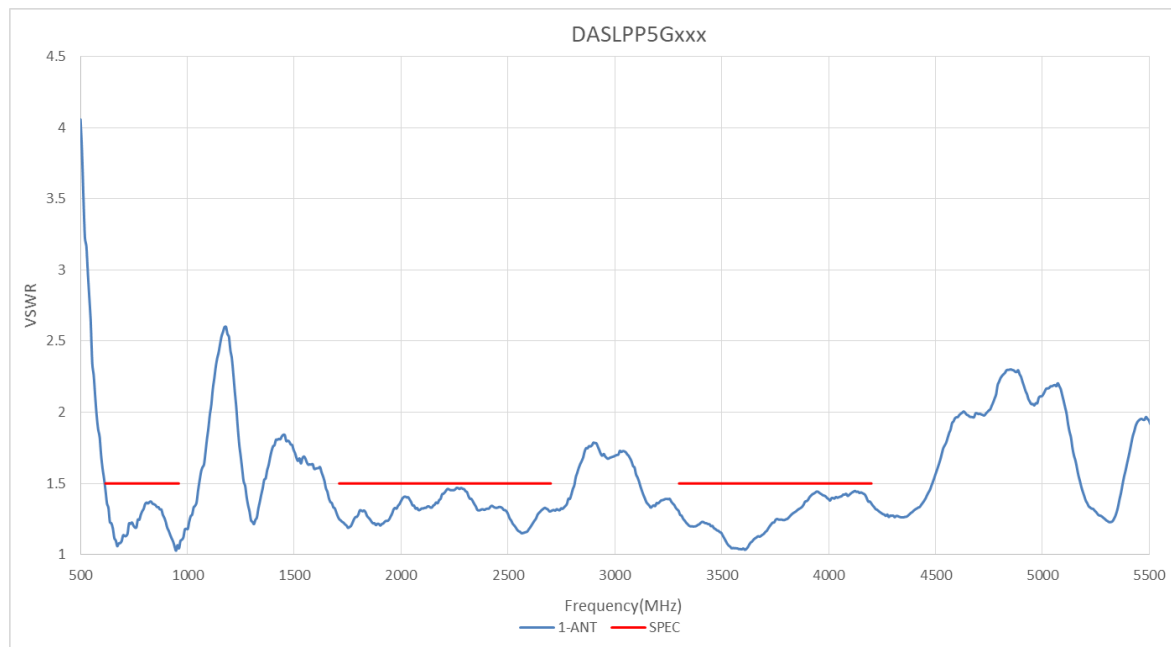
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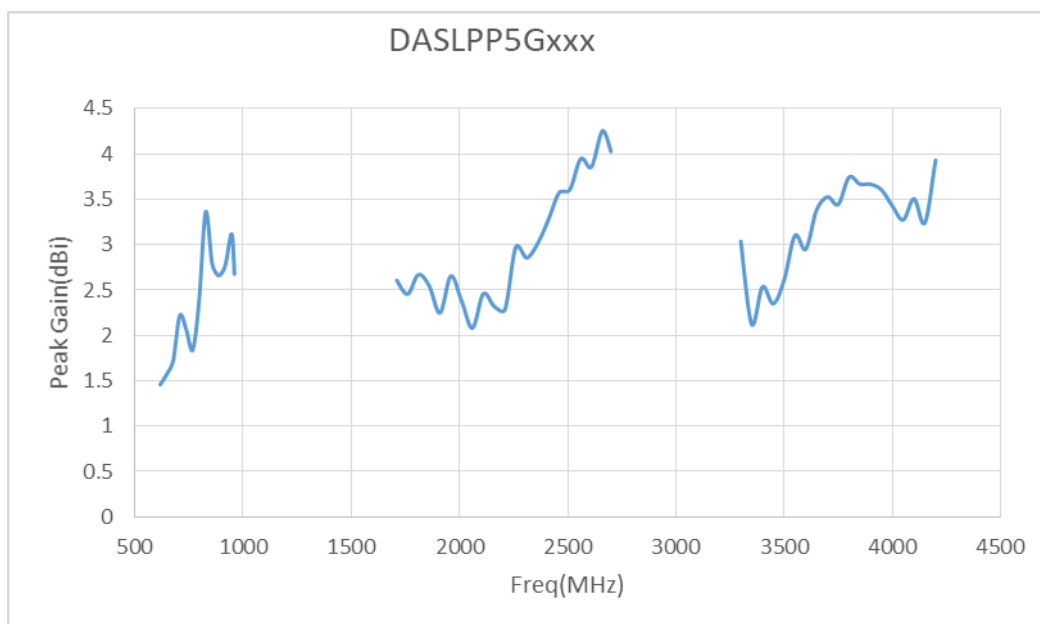
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CHARTS

VSWR in free space



Peak Gain in free space



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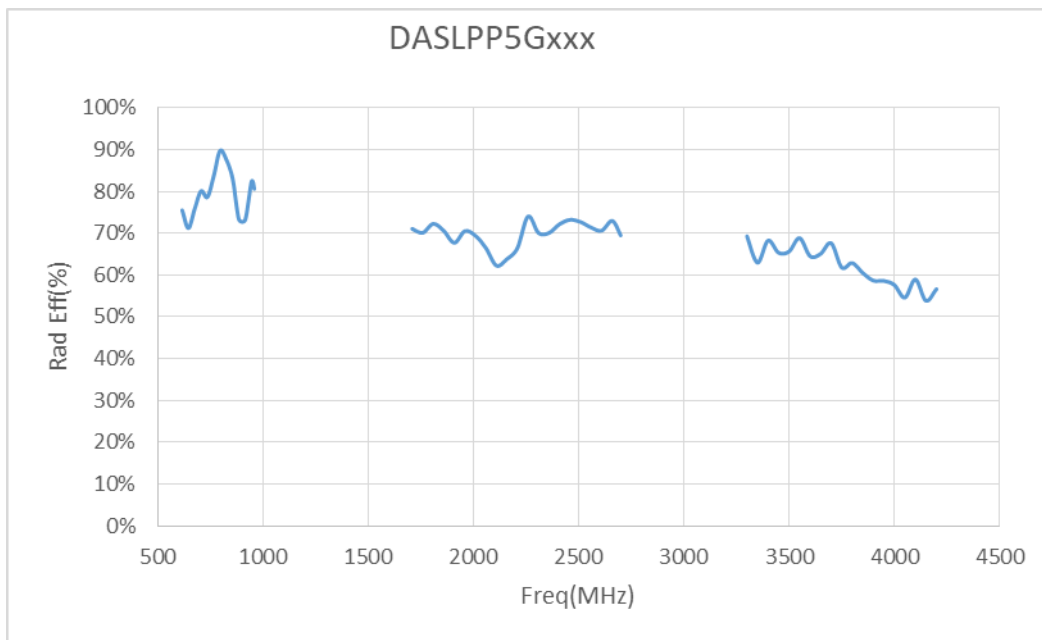
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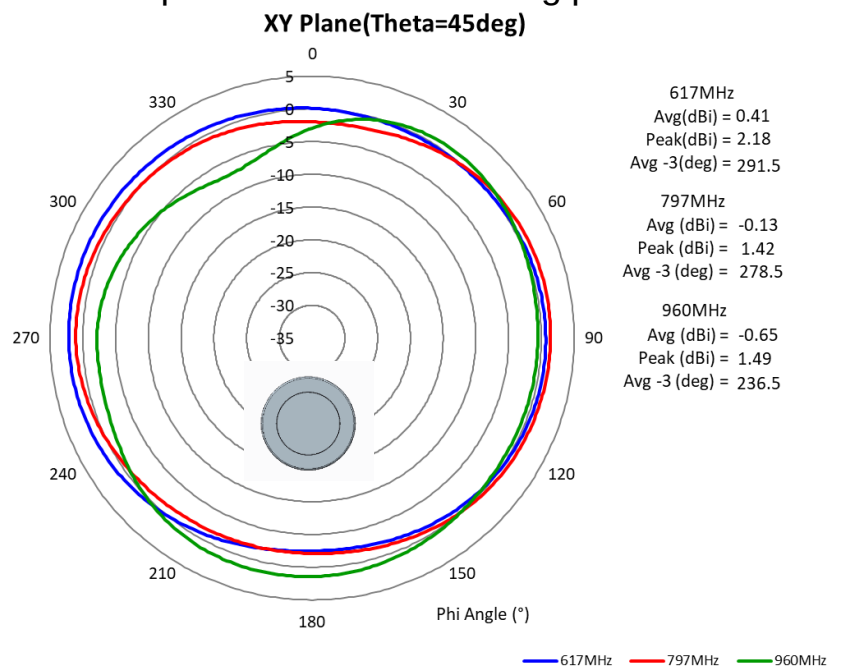
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CHARTS

Radiation Efficiency in free space



Radiation pattern of theta is 45deg plane at low band



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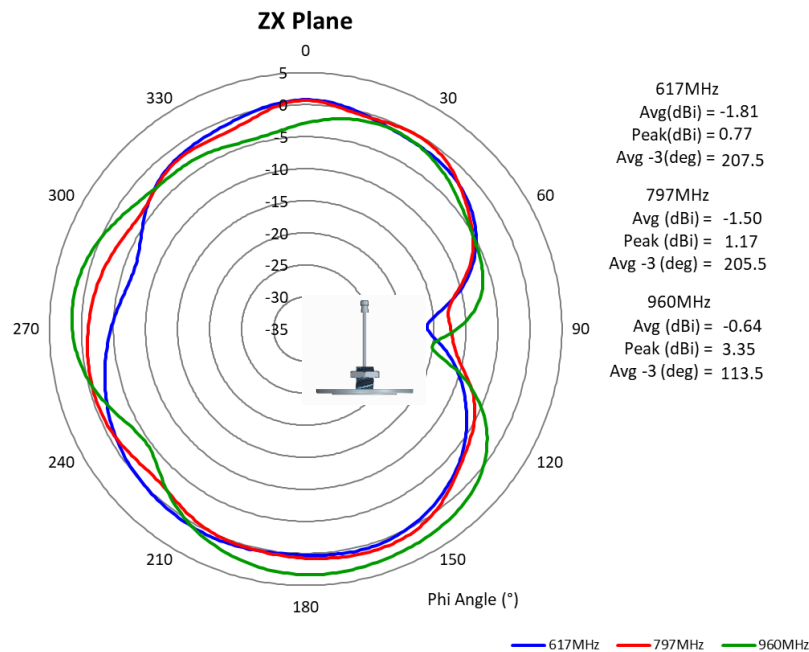
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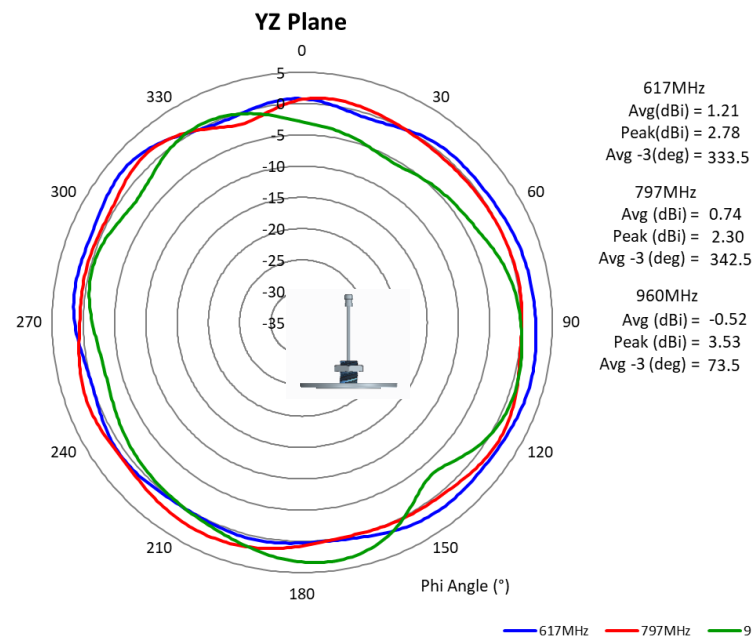
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CHARTS

Radiation pattern of ZX plane at low band



Radiation pattern of YZ plane at low band



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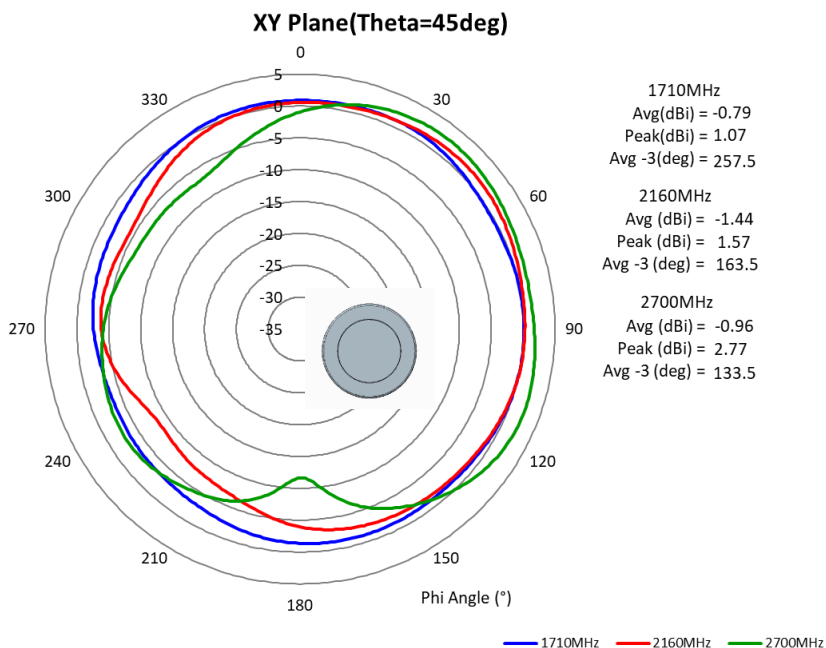
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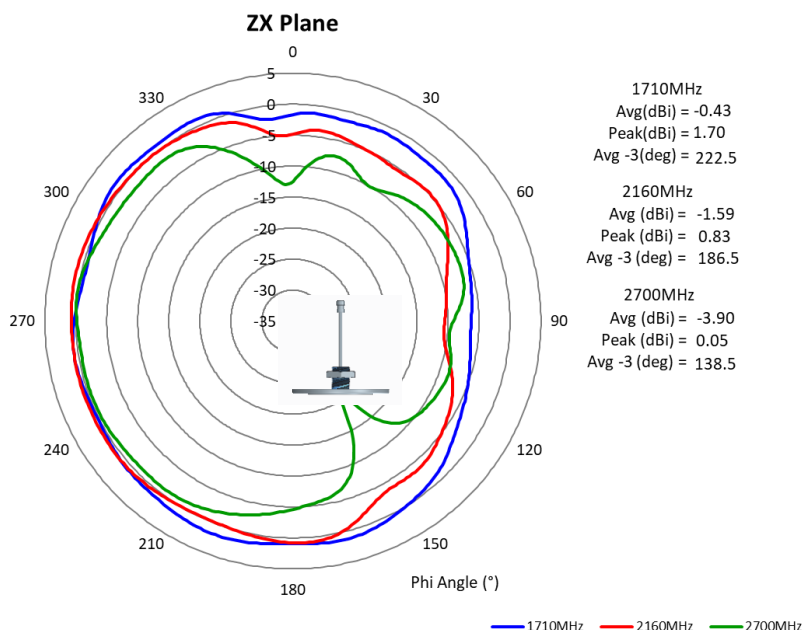
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CHARTS

Radiation pattern of theta is 45deg plane at mid band



Radiation pattern of ZX plane at mid band



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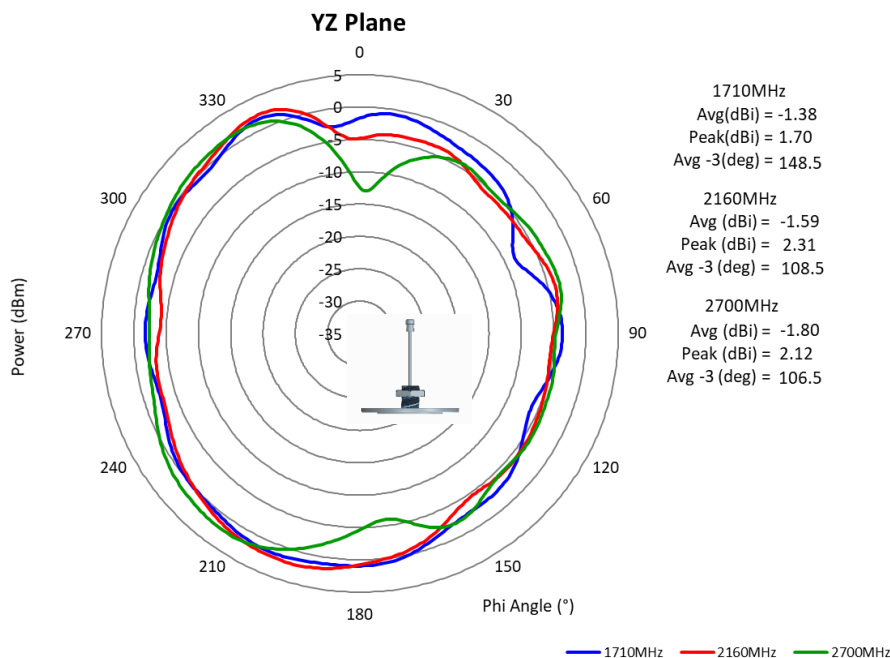
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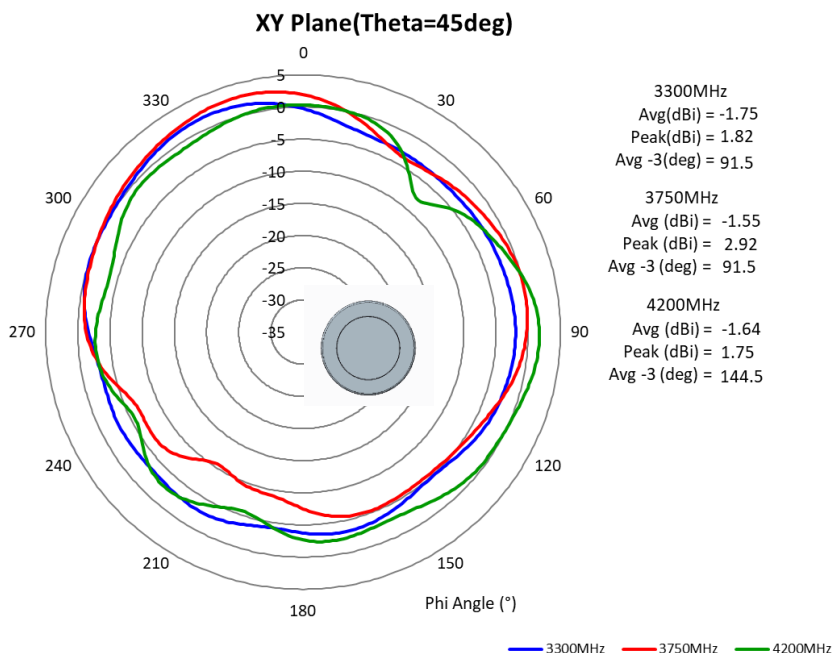
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CHARTS

Radiation pattern of YZ plane at mid band



Radiation pattern of theta is 45 deg plane at high band



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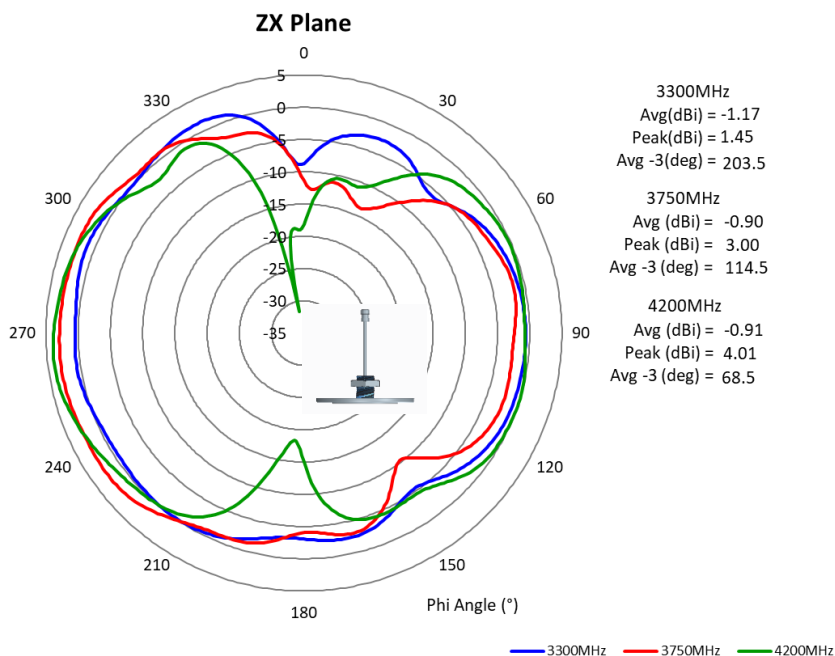
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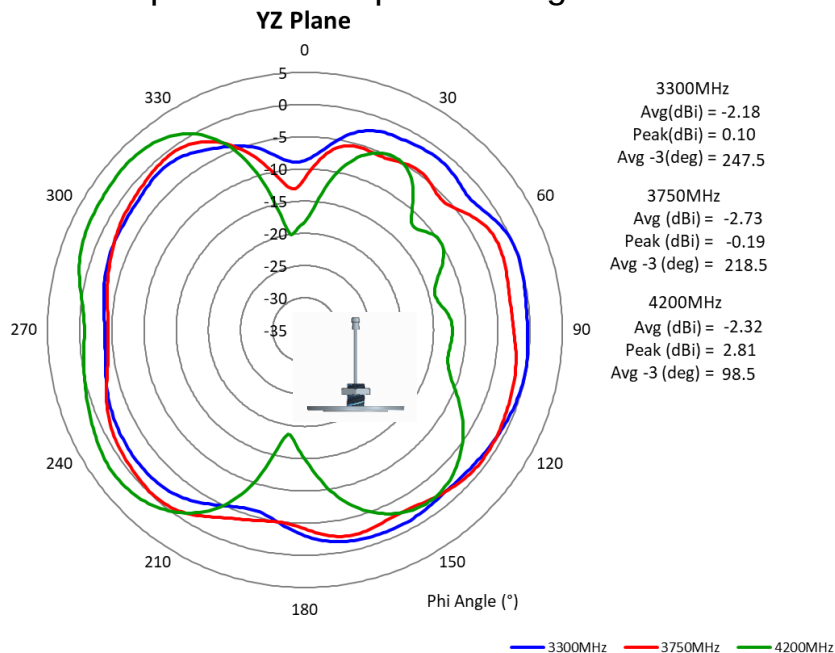
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CHARTS

Radiation pattern of ZX plane at high band



Radiation pattern of YZ plane at high band



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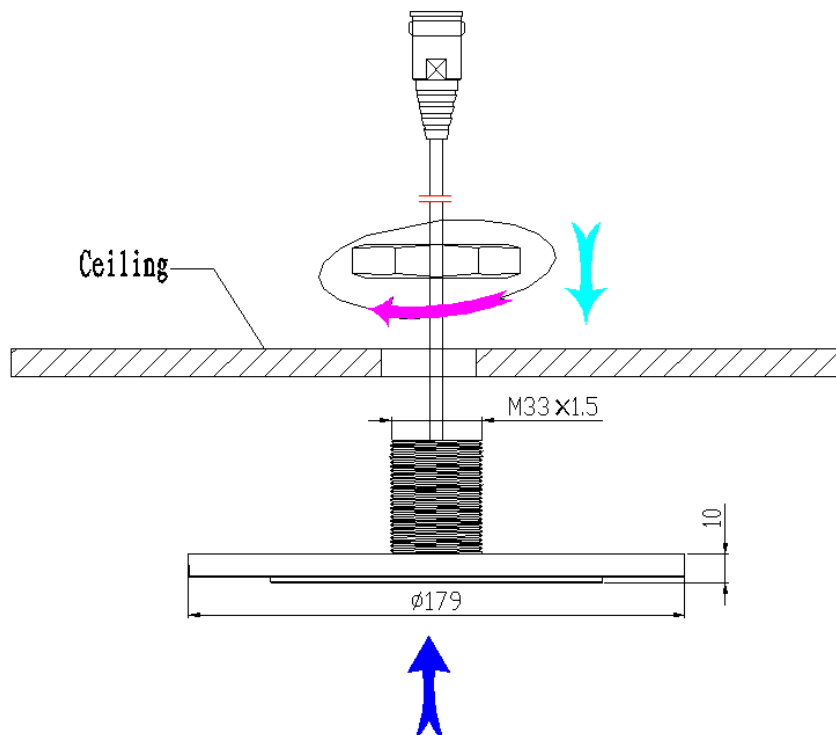
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PACKAGING

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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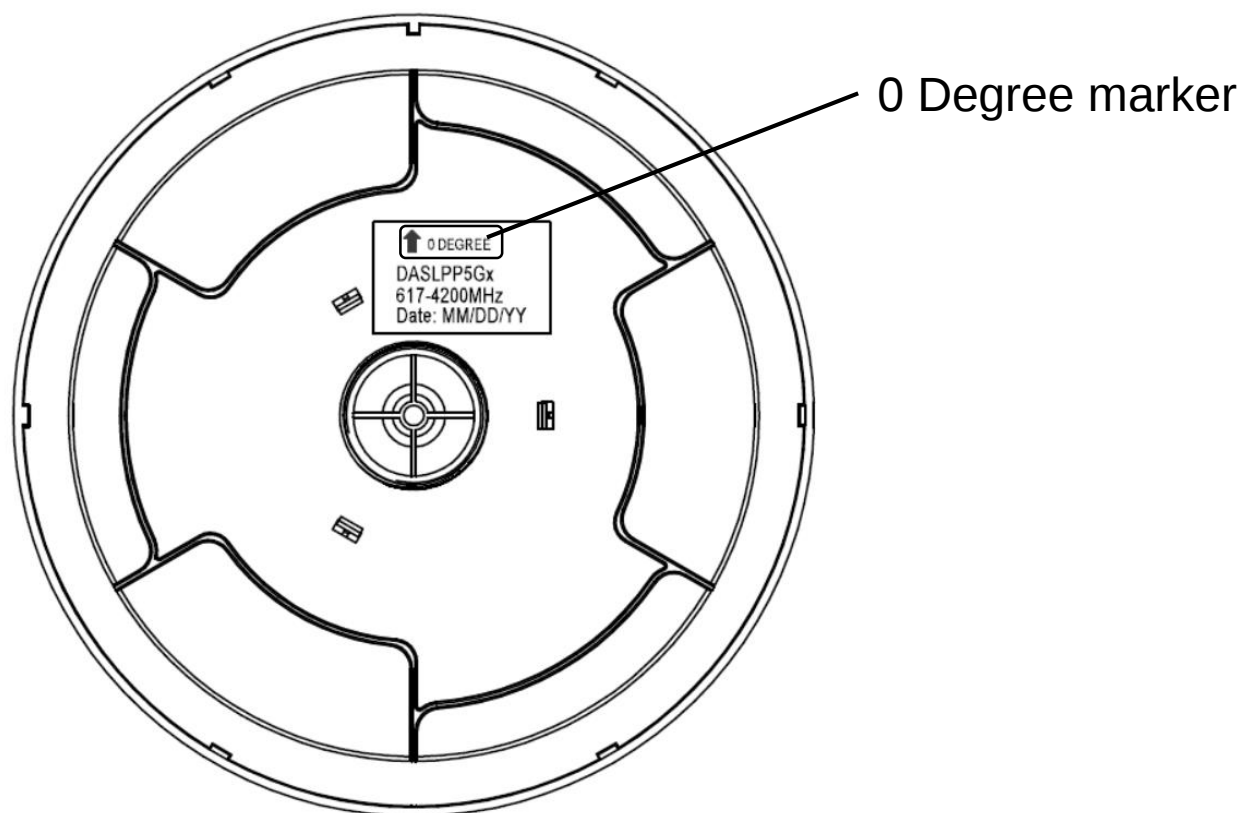
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ADDITIONAL NOTES:

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)

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