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P/Ns: GPSMOD1315, GPSMOD1333, GPSMOD2515, GPSMOD2533

**Description: Active GPS Antenna Modules 13mm x 13mm and 25 mm x 25 mm sizes**

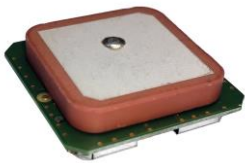
## Part# GPSMODxxxx Series

### Features

- Small form factor
- Includes low noise amplifier(LNA) 16 and 33dB options
- Suitable for mounting inside device
- 3-5v operating voltage
- Low noise figure

### Applications

- Use in GPS enabled devices
- Portable Handsets
- Automotive Navigation
- Tracking and Positioning
- GNSS



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## Description: Active GPS Antenna Modules

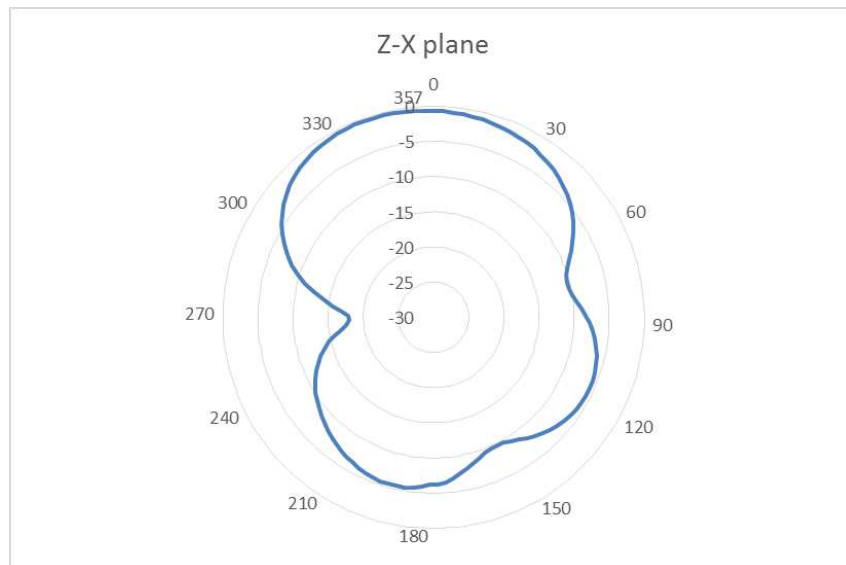
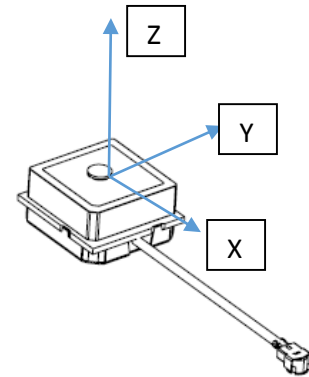
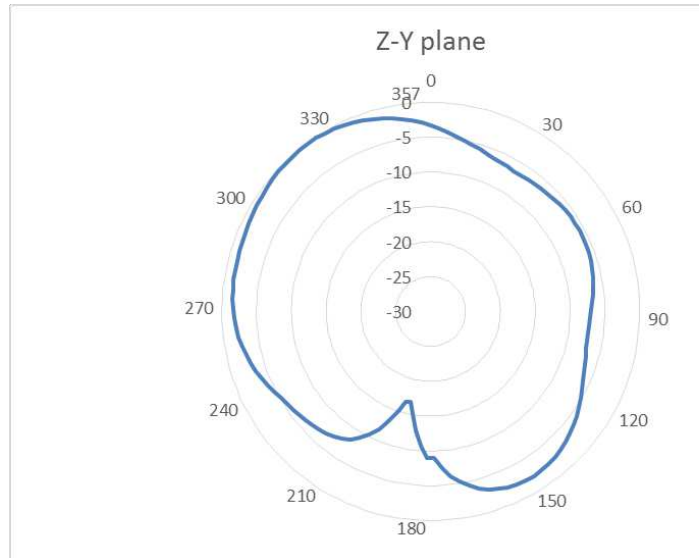
13mm x 13 mm and 25 mm x 25 mm sizes

## Part# GPSMODxxxx Series

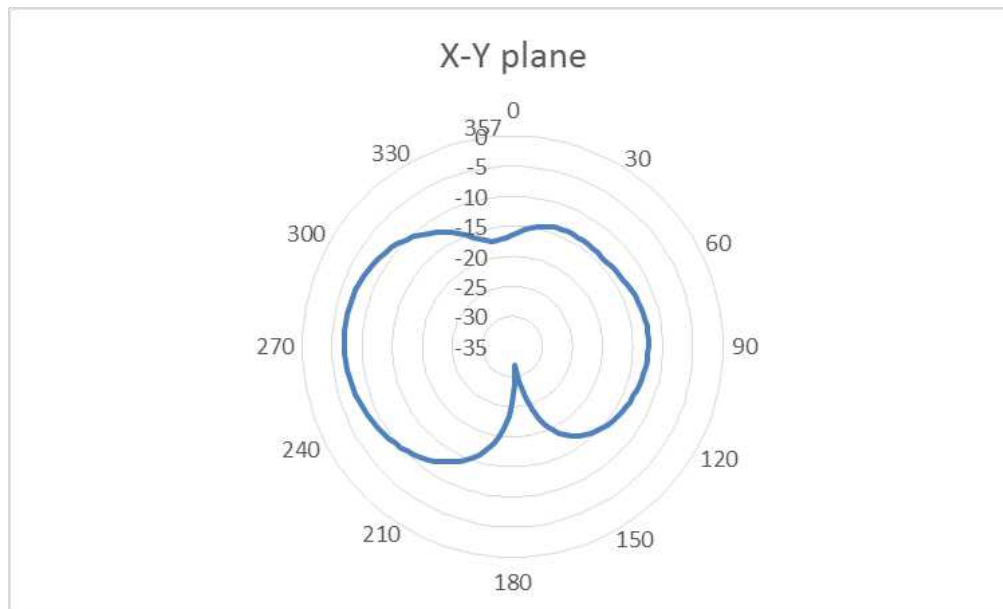
	GPSMOD1315	GPSMOD1333	GPSMOD2515	GPSMOD2533
<b>ELECTRICAL SPECIFICATIONS</b>				
FREQUENCY	1575.42mhz	1575.42mhz	1575.42mhz	1575.42mhz
NOMINAL IMPEDANCE (Ω)	50	50	50	50
VSWR	1.5:1	1.5:1	1.5:1	1.5:1
GAIN RADIATING ELEMENT	-1dBic +/- 1 dB	-1dBic +/- 1 dB	3.4dBic +/- 1 dB	3.4dBic +/- 1 dB
GAIN LNA	16 dB +/- 1 dB	33 dB +/- 2 dB	16 dB +/- 1 dB	33 dB +/- 2 dB
LNA NOISE FIGURE	< 2.4 dB	< 2.4 dB	< 2.6 dB	< 3.4 dB
POLARIZATION	RCHP	RCHP	RCHP	RCHP
OPERATING VOLTAGE	3.3-5 Vdc +/- 0.5 V	3.3-5 Vdc +/- 0.5 V	3.3-5 Vdc +/- 0.5 V	3.3-5 Vdc +/- 0.5 V
CURRENT COMSUMPTION	< 6A mA	< 10A mA	< 6A mA	< 10A mA
<b>ENVIRONMENTAL SPECIFICATIONS</b>				
OPERATION TEMPERATURE	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
<b>MECHANICAL SPECIFICATIONS</b>				
WEIGHT	4.8g	4.8g	13.5g	13.5g
DIMENSIONS	13 mm x 13 mm	13 mm x 13 mm	25 mm x 25 mm	25 mm x 25 mm
CABLE LENGTH	32mm	32mm	N/A	N/A
MOUNTING	DOUBLE SIDED ADHESIVE TAPE PROVIDED	DOUBLE SIDED ADHESIVE TAPE PROVIDED	DOUBLE SIDED ADHESIVE TAPE PROVIDED	DOUBLE SIDED ADHESIVE TAPE PROVIDED
CABLE TYPE	0.81mmCOAXIAL	0.81mmCOAXIAL	N/A	N/A
CONNECTOR	U.FL & IPEX COMPLIANT	U.FL & IPEX COMPLIANT	Solder pads for coaxial cable	Solder pads for coaxial cable

Description: Active GPS Antenna Modules  
13mm x 13 mm and 25 mm x 25 mm sizes  
Part# GPSMODxxxx Series

## PATTERN DATA – GPSMOD1315



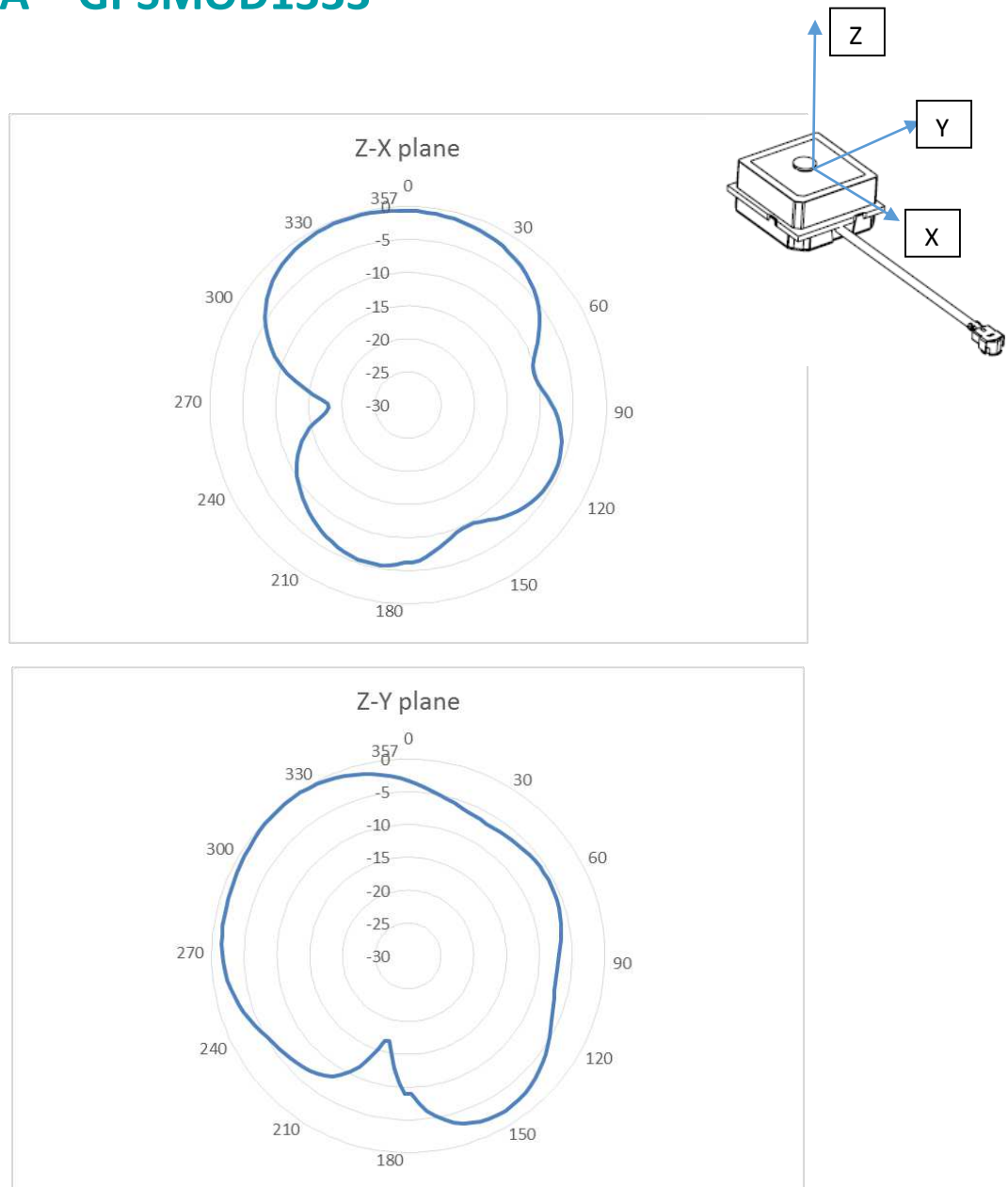
**Description: Active GPS Antenna Modules**  
**13mm x 13 mm and 25 mm x 25 mm sizes**  
**Part# GPSMODxxxx Series**



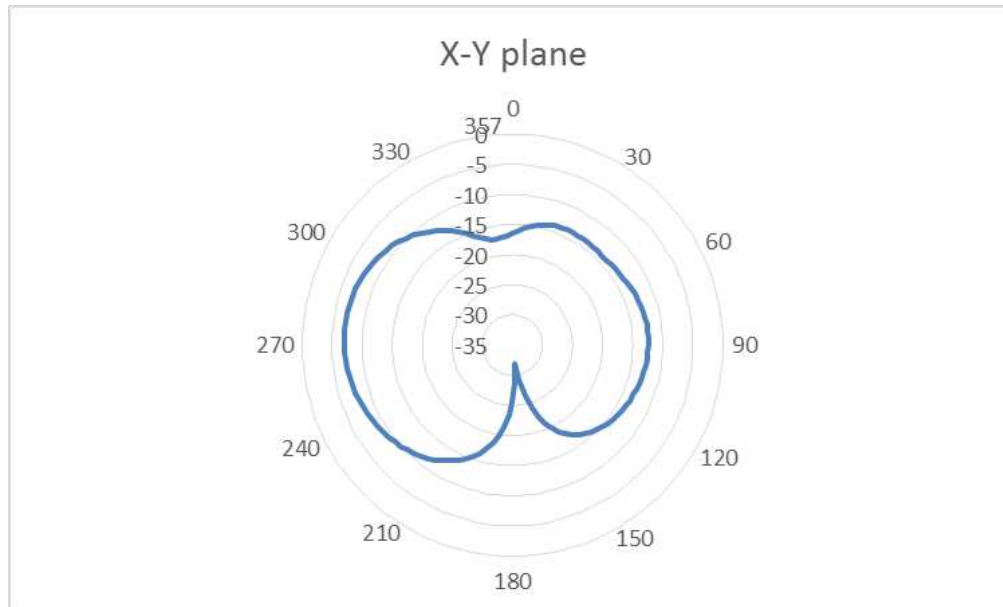
Out of Band Rejection	
698MHz	75dB
960MHz	80dB
1710MHz	70dB
2170MHz	60dB
2400MHz	60dB
2700MHz	55dB

Description: Active GPS Antenna Modules  
13mm x 13 mm and 25 mm x 25 mm sizes  
Part# GPSMODxxxx Series

## PATTERN DATA – GPSMOD1333



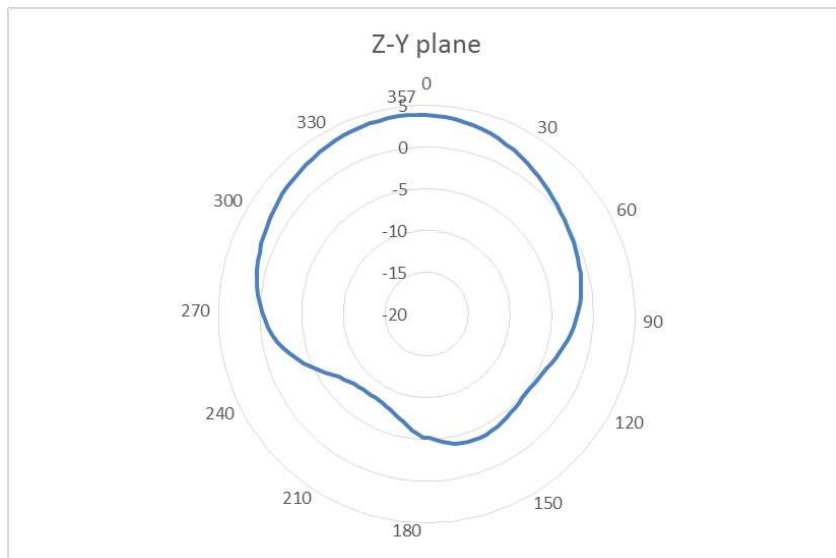
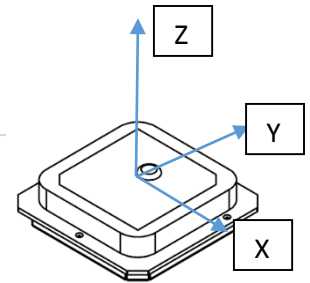
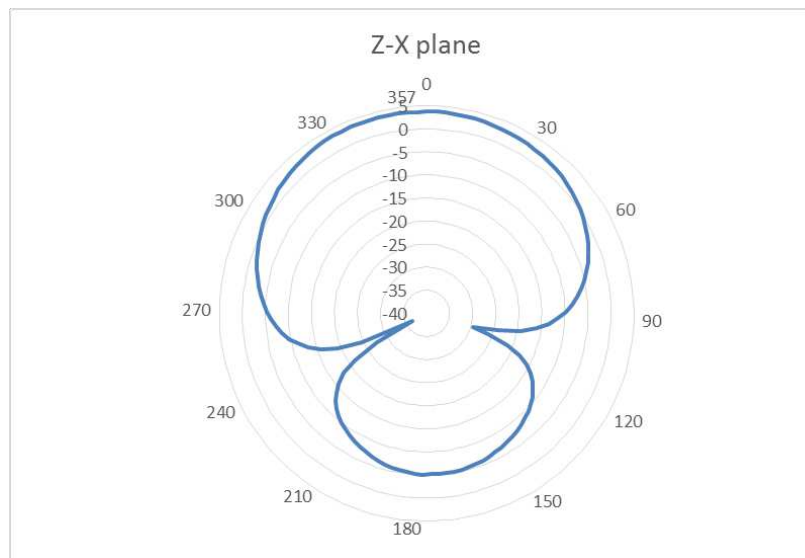
**Description: Active GPS Antenna Modules**  
**13mm x 13 mm and 25 mm x 25 mm sizes**  
**Part# GPSMODxxxx Series**



Out of Band Rejection	
698MHz	90dB
960MHz	80dB
1710MHz	70dB
2170MHz	65dB
2400MHz	65dB
2700MHz	75dB

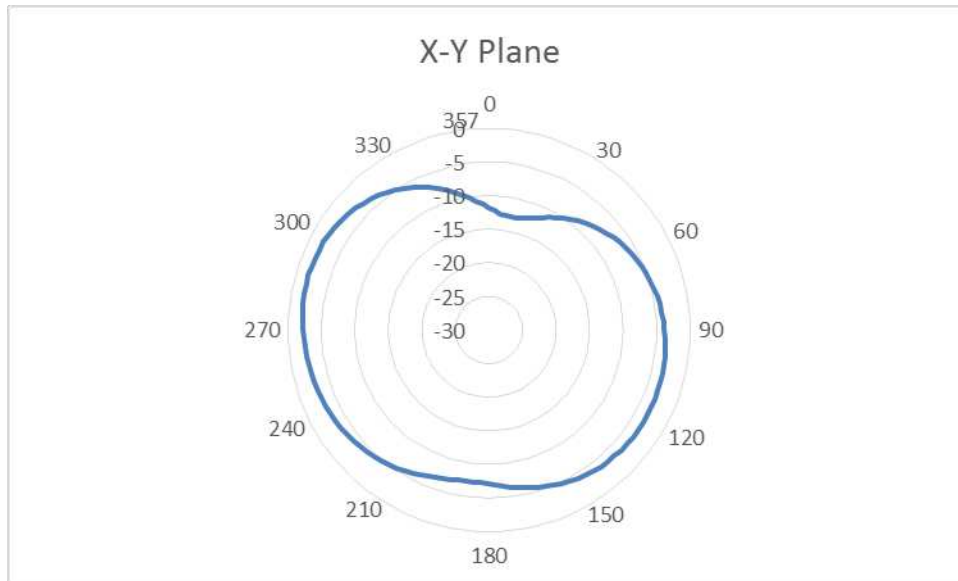
Description: Active GPS Antenna Modules  
13mm x 13 mm and 25 mm x 25 mm sizes  
Part# GPSMODxxxx Series

## PATTERN DATA – GPSMOD2515





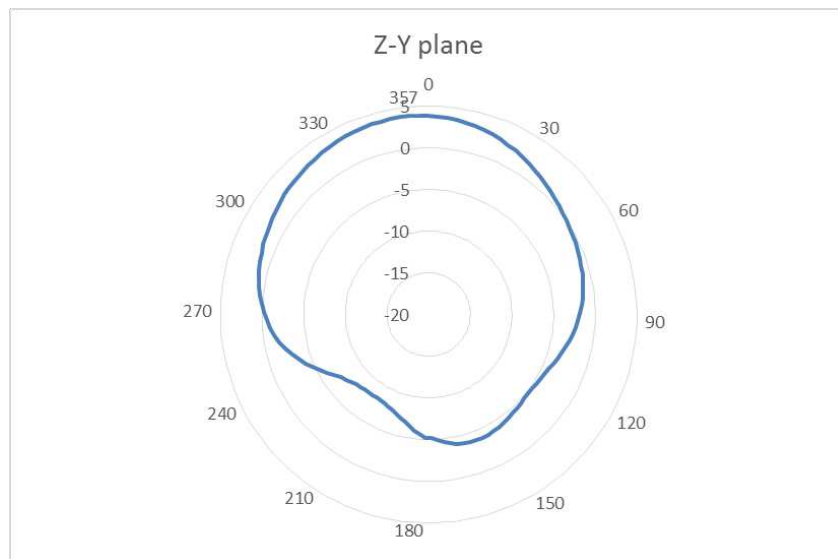
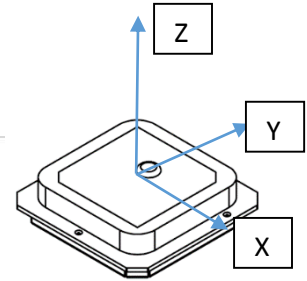
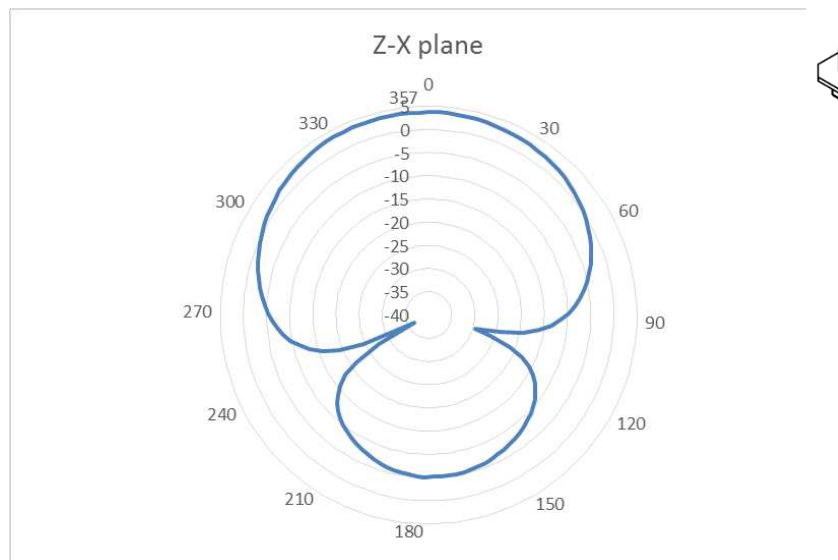
**Description: Active GPS Antenna Modules**  
**13mm x 13 mm and 25 mm x 25 mm sizes**  
**Part# GPSMODxxxx Series**



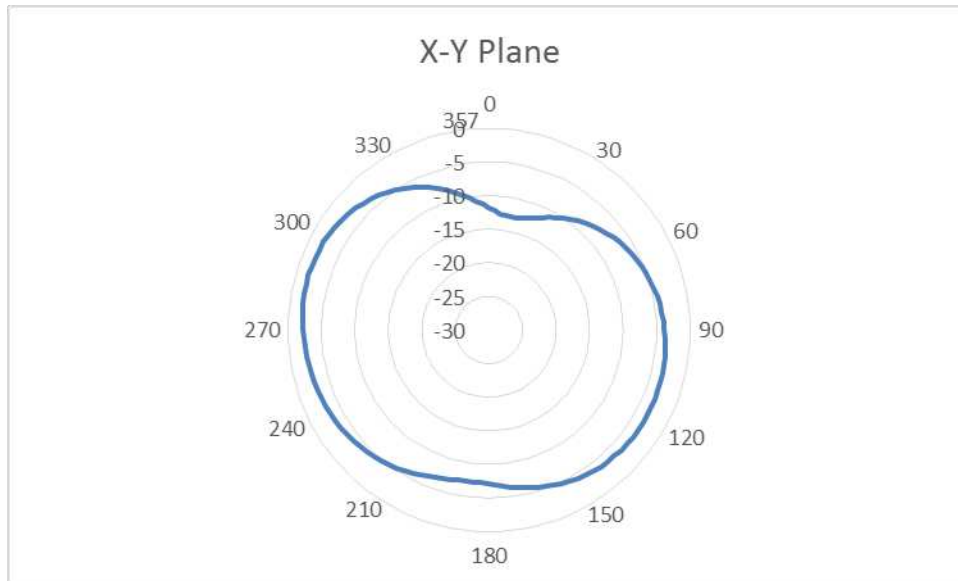
Out of Band Rejection	
698MHz	85dB
960MHz	75dB
1710MHz	70dB
2170MHz	65dB
2400MHz	65dB
2700MHz	65dB

**Description: Active GPS Antenna Modules**  
**13mm x 13 mm and 25 mm x 25 mm sizes**  
**Part# GPSMODxxxx Series**

## PATTERN DATA – GPSMOD2533



**Description: Active GPS Antenna Modules**  
**13mm x 13 mm and 25 mm x 25 mm sizes**  
**Part# GPSMODxxxx Series**



Out of Band Rejection	
698MHz	90dB
960MHz	93dB
1710MHz	85dB
2170MHz	75dB
2400MHz	75dB
2700MHz	84dB