

P/Ns: GPSMOD1315, GPSMOD1333, GPSMOD2515, GPSMOD2533

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

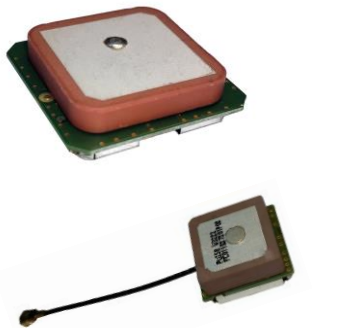
## Part# GPSMODxxxx Series

### 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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#### For More Information

##### Pulse Worldwide Headquarters

12220 World Trade Drive  
San Diego, CA 92128  
USA

Tel: 1- 858-674-8100  
Fax: 1-858-674-8262

##### Larsen Brand Antennas

3611 NE 112<sup>th</sup> Ave  
Vancouver, WA 98682  
USA

Tel: 1-360-944-7551  
Fax: 1-360-944-7556

##### Europe Headquarters

Pulse GmbH & Do, KG  
Zeppelinstrasse 15  
Herrenberg, Germany

Tel: 49 7032 7806 0  
Fax: 49 7032 7806 135

##### Pulse (Suzhou) Wireless Products Co, Inc.

99 Huo Ju Road(#29 Bldg, 4<sup>th</sup> Phase  
Suzhou New District  
Science & Tech Industrial Park  
Jiangsu Province, Suzhou 215009 PR China

Tel: 86 512 6807 9998  
Fax: 86 512 6809 8023



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## Description: Active GPS Antenna Modules

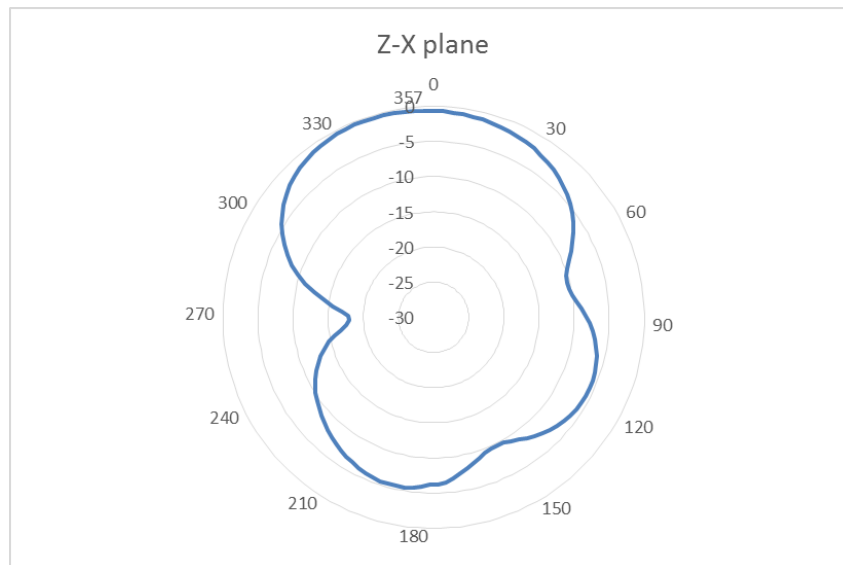
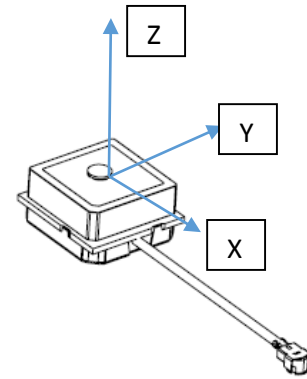
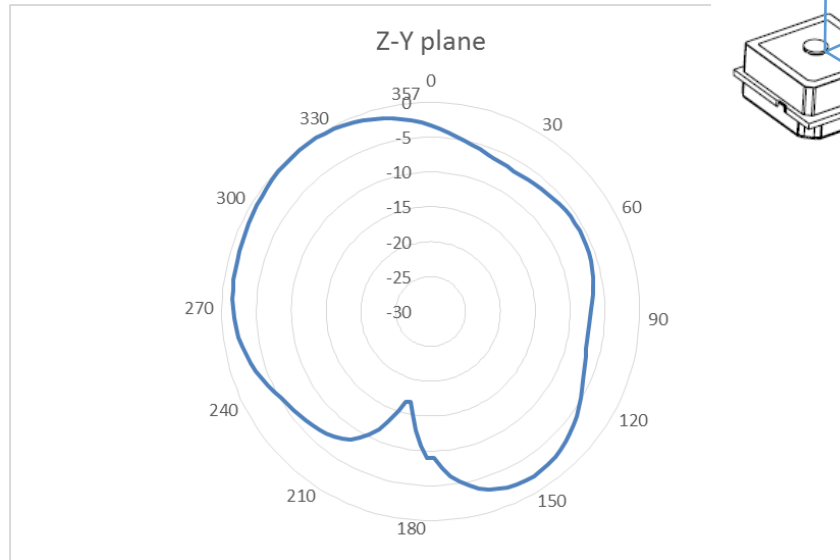
13mm x 13 mm and 25 mm x 25 mm sizes

## Part# GPSMODxxxx Series

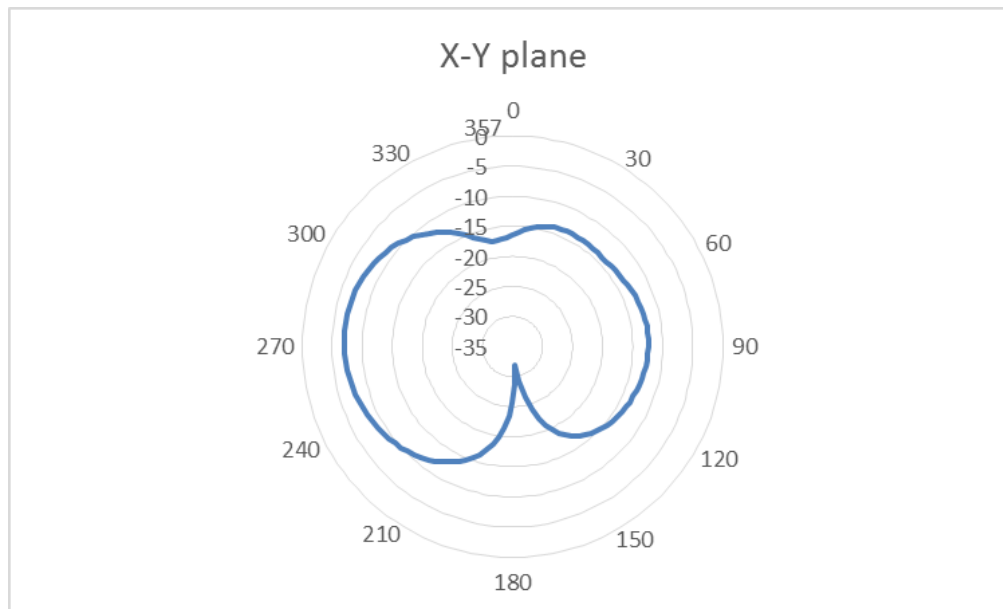
	GPSMOD1315	GPSMOD1333	GPSMOD2515	GPSMOD2533
<b>ELECTRICAL SPECIFICATIONS</b>				
FREQUENCY	1575.42mhz	1575.42mhz	1575.42mhz	1575.42mhz
NOMINAL IMPEDANCE (Ω)	50	50	50	50
VSWR	1.5:1	1.5:1	1.5:1	1.5:1
GAIN RADIATING ELEMENT	-1dBic +/- 1 dB	-1dBic +/- 1 dB	3.4dBic +/- 1 dB	3.4dBic +/- 1 dB
GAIN LNA	16 dB +/- 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  
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### PATTERN DATA – GPSMOD1315



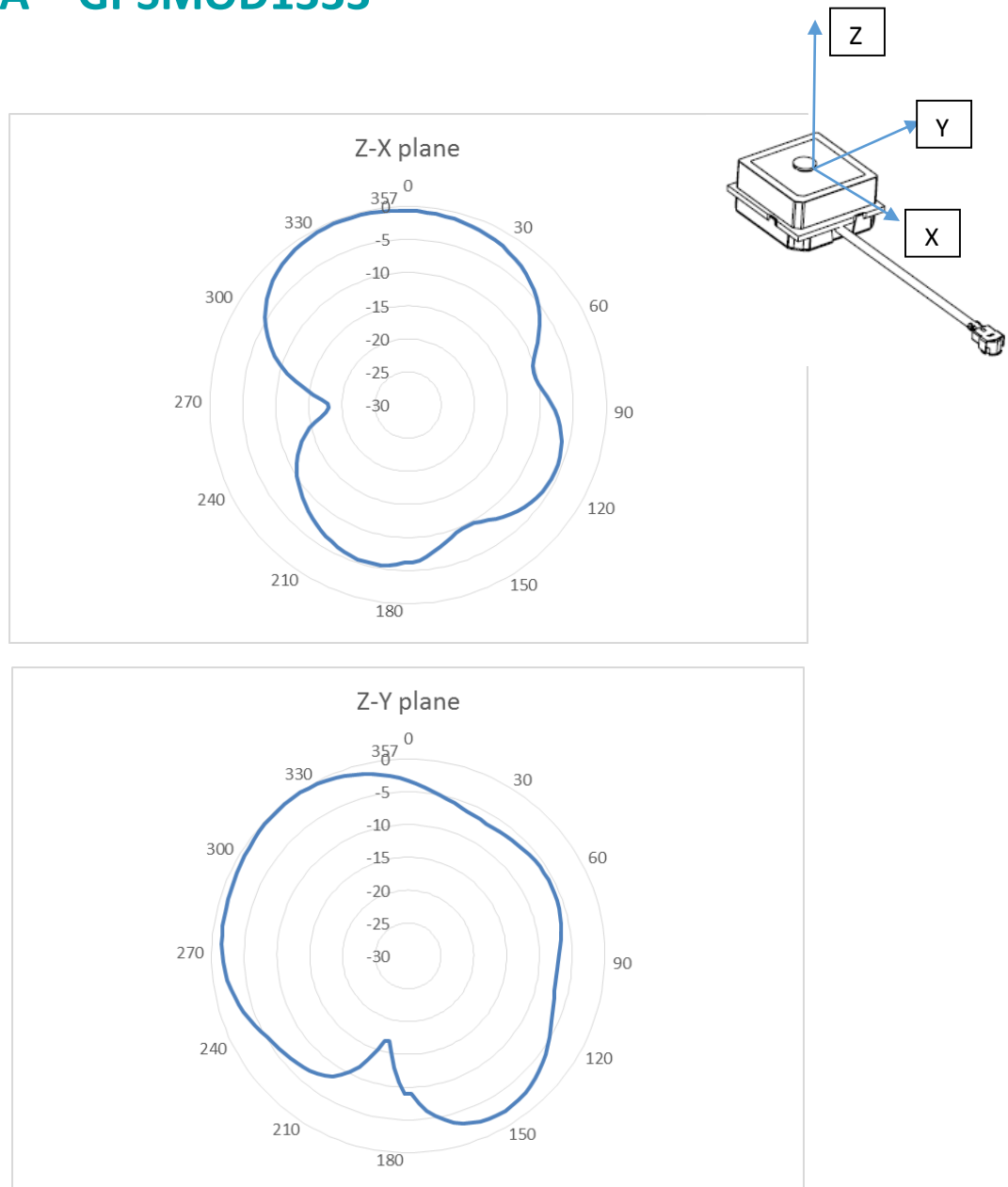
**Description: Active GPS Antenna Modules**  
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Out of Band Rejection	
698MHz	75dB
960MHz	80dB
1710MHz	70dB
2170MHz	60dB
2400MHz	60dB
2700MHz	55dB

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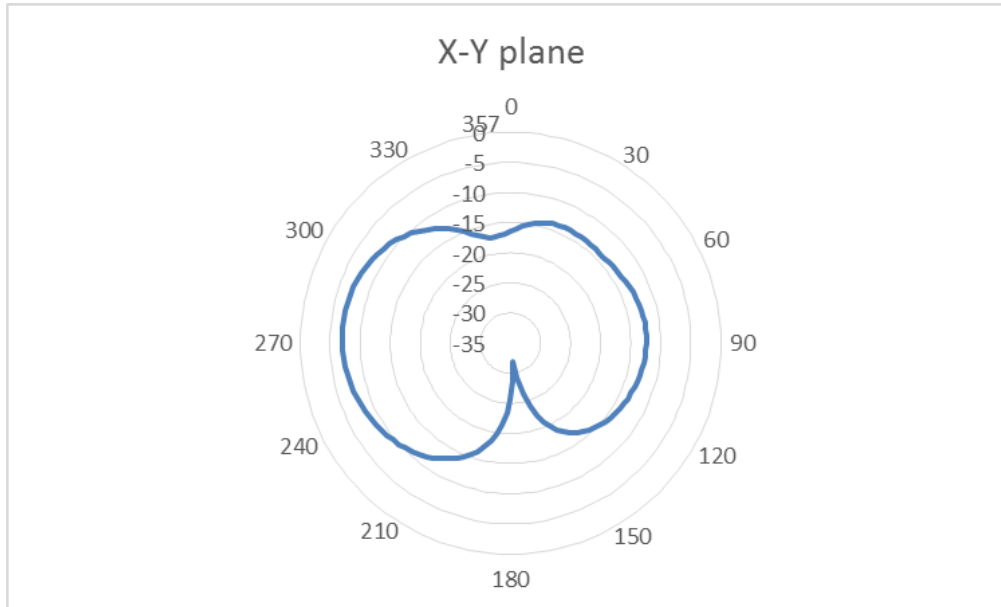
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Description: Active GPS Antenna Modules

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

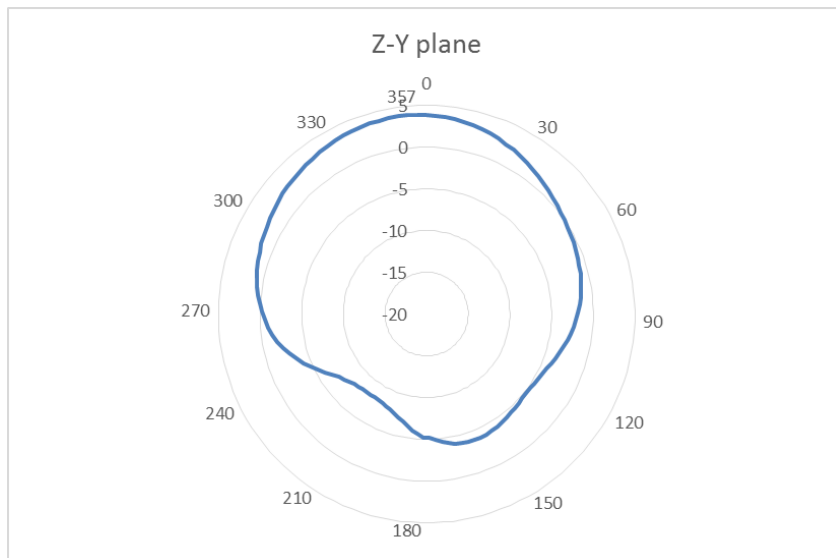
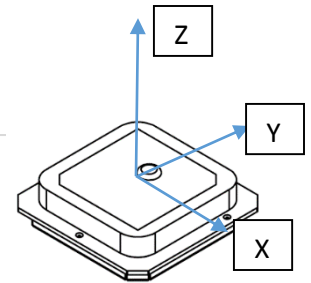
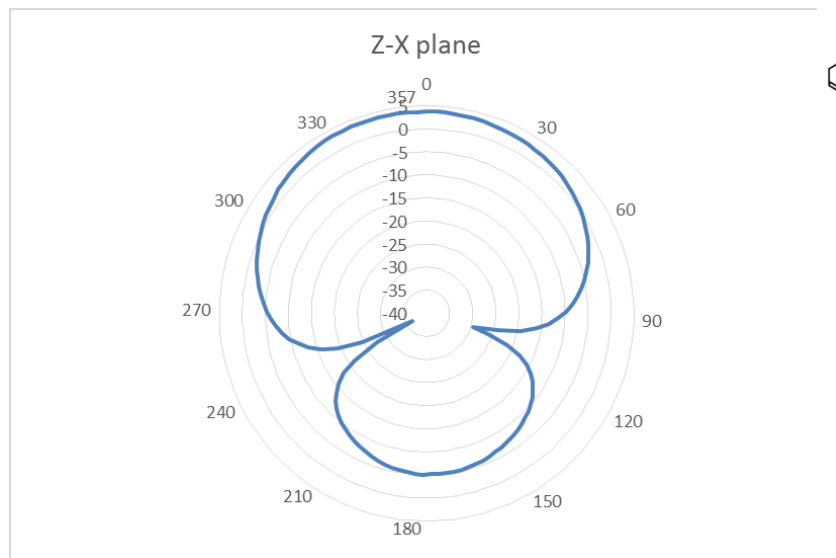
Part# GPSMODxxxx Series



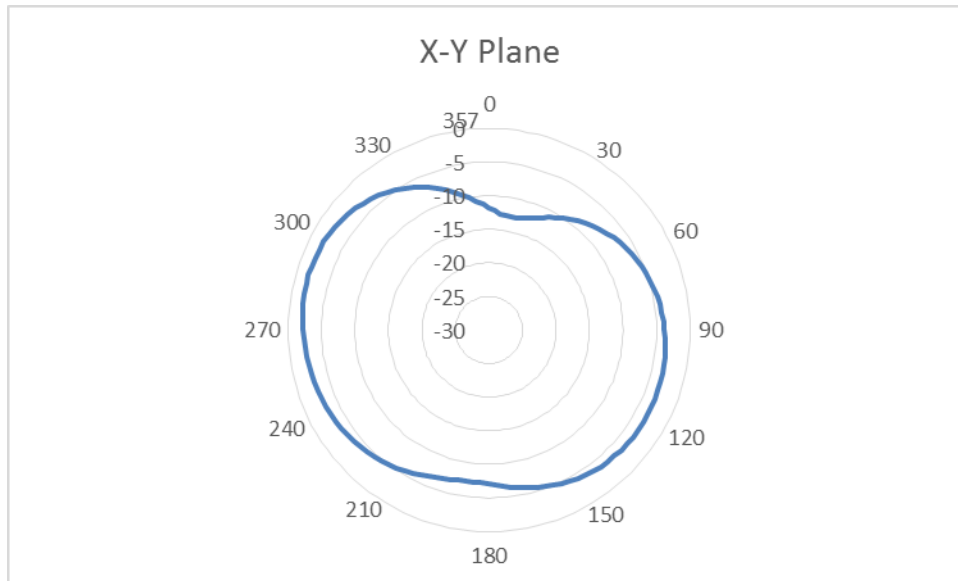
Out of Band Rejection	
698MHz	90dB
960MHz	80dB
1710MHz	70dB
2170MHz	65dB
2400MHz	65dB
2700MHz	75dB

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## PATTERN DATA – GPSMOD2515



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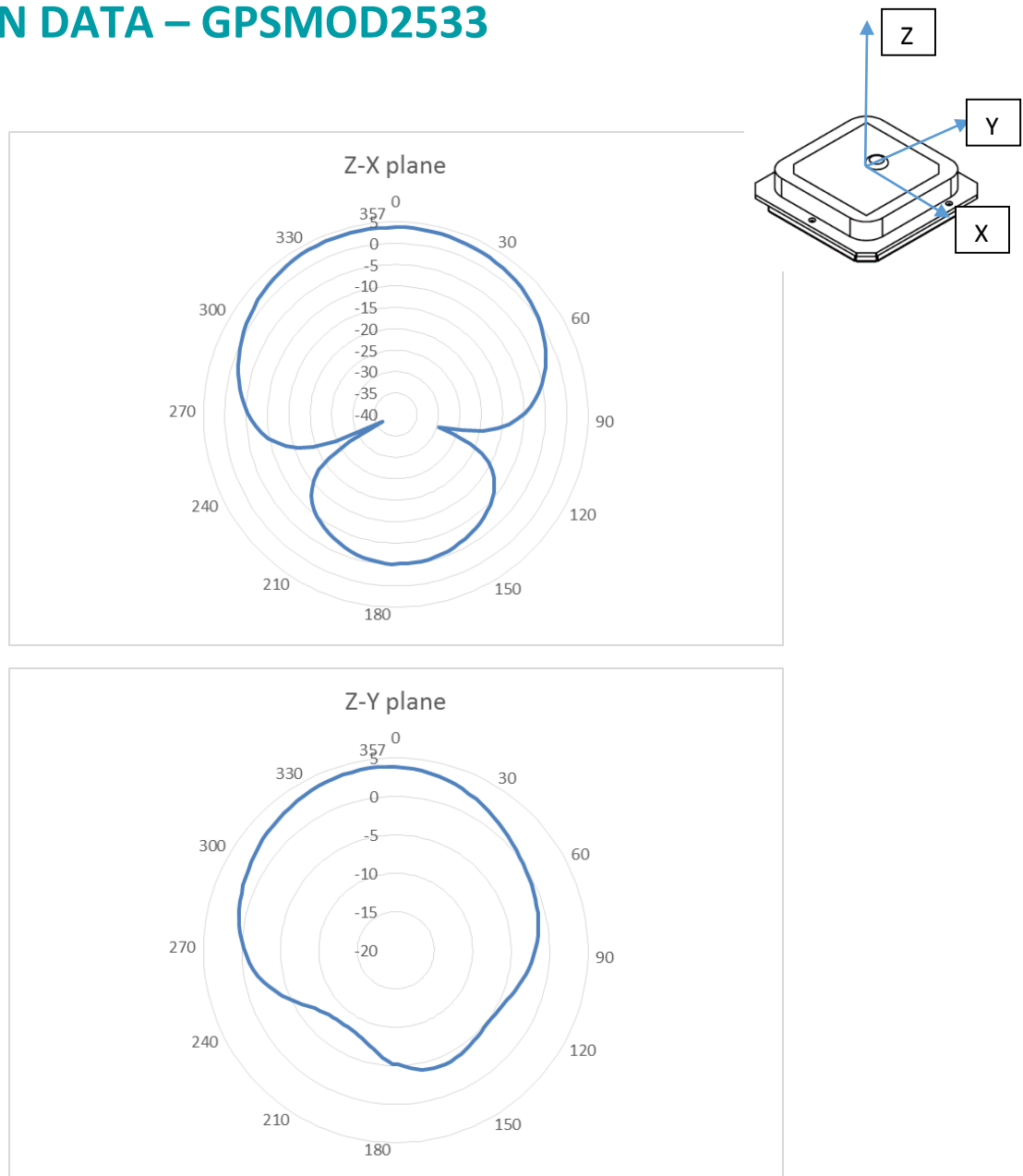


Out of Band Rejection	
698MHz	85dB
960MHz	75dB
1710MHz	70dB
2170MHz	65dB
2400MHz	65dB
2700MHz	65dB

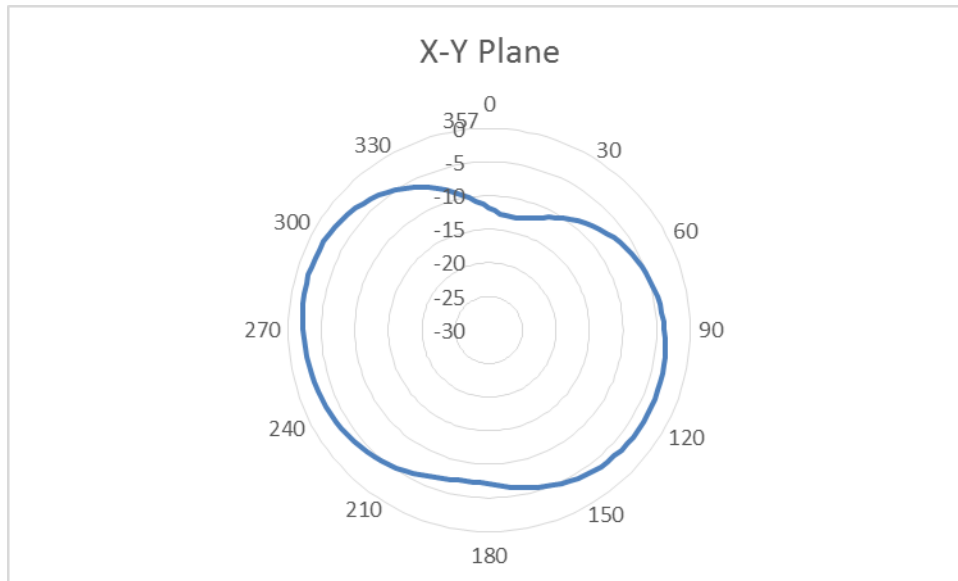


Description: Active GPS Antenna Modules  
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## PATTERN DATA – GPSMOD2533



**Description: Active GPS Antenna Modules**  
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Out of Band Rejection	
698MHz	90dB
960MHz	93dB
1710MHz	85dB
2170MHz	75dB
2400MHz	75dB
2700MHz	84dB

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