



*Jinchang Electron Global Service*

GNSS+NR MIMO+V2X MIMO Antenna

## **JCE607NR2VM**



**JIAXING JINCHANG ELECTRONIC TECHNOLOGY CO.,LTD**

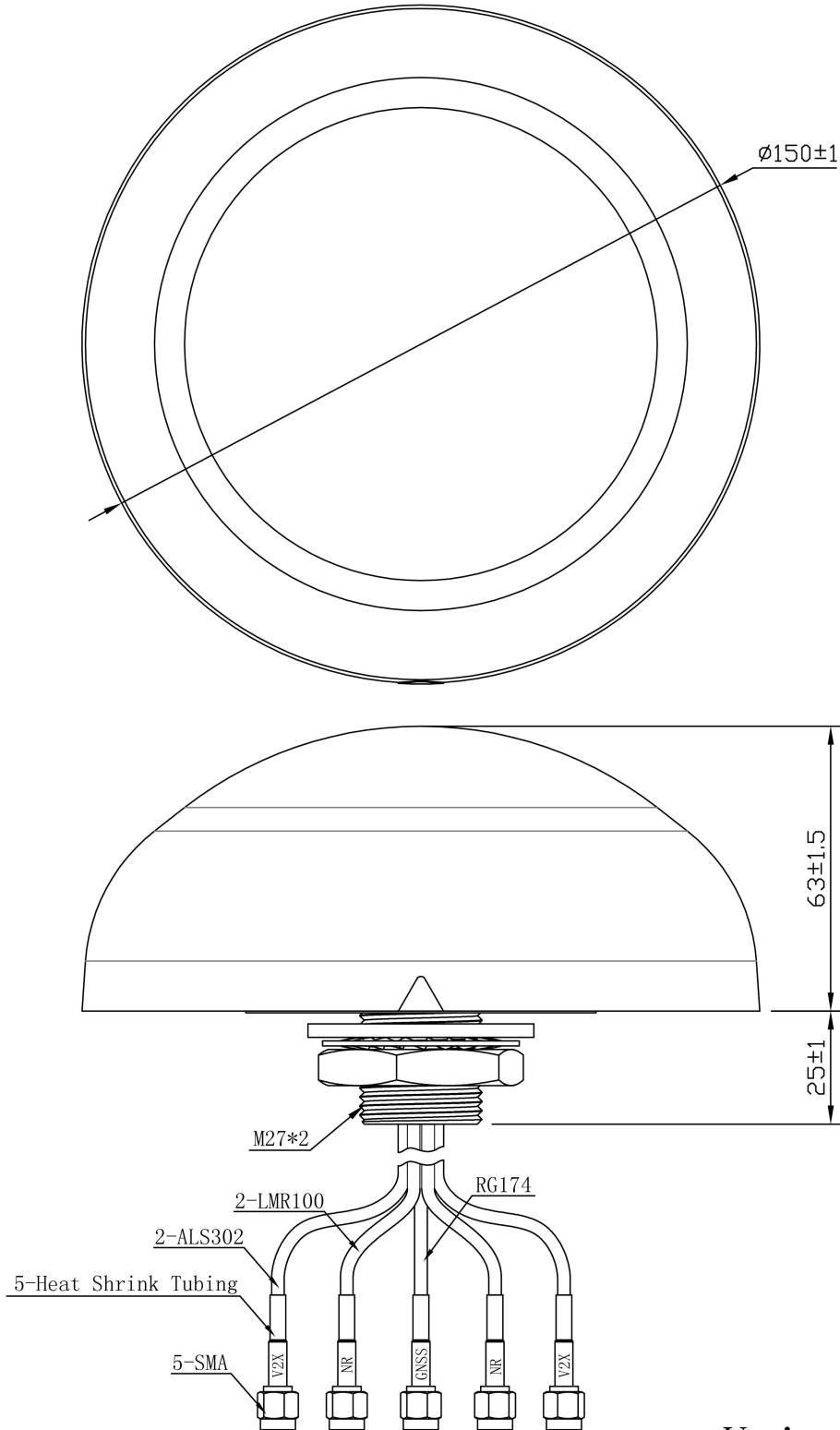
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**DIMENSIONS**



Unit:mm

**SPECIFICATIONS**

Item	Specifications	
GNSS Antenna	Frequency	GPS L1/L2/L5 GLONASS G1/G2/G3 COMPASS B1/B2/B3 Galileo E1/L1/E2/E5a/E5b/E6
	Polarization	RHCP
	LNA Gain	30 ± 2dB
	Noise Figure	≤2.0dB
	Supply Voltage	3~12V DC
	Current Consumption	≤60mA
	V.S.W.R	<2.0
	Impedance	50 Ω
5G NR Antenna MIMO	Frequency Range	617~960MHz/1710~5000MHz
	V.S.W.R	<3.0
	Polarization	Linear
	Gain	3dBi
	Impedance	50Ω
V2X Antenna MIMO	Frequency Range	5850~5950MHz
	V.S.W.R	<2.0
	Polarization	RHCP
	Gain	6dBi
	Impedance	50Ω
Mechanical	Cable	RG174*1&LMR100*2&AL302*2/3m
	Connector	SMA straight male
	Radome Material	PC
	Mounting Method	Screw
Environmental	Operating Temperature	-40°C~+85°C
	Relative Humidity	Up to 95%
	Ingress Protection	IP67 (exclude cable outlet)

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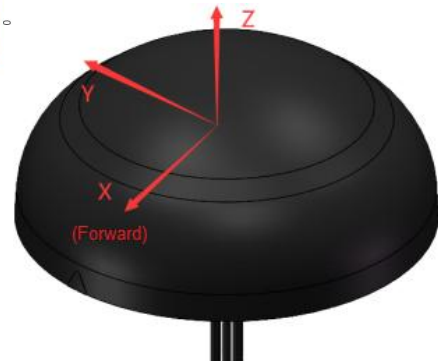
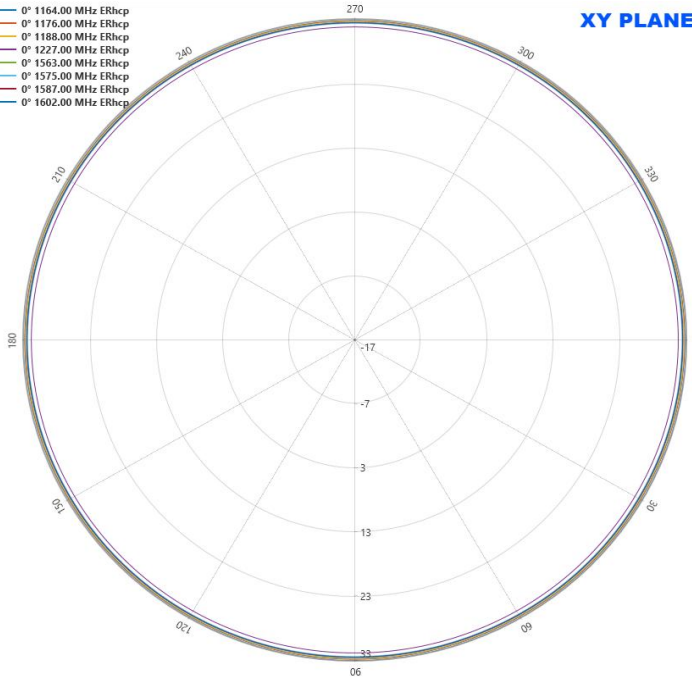
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	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

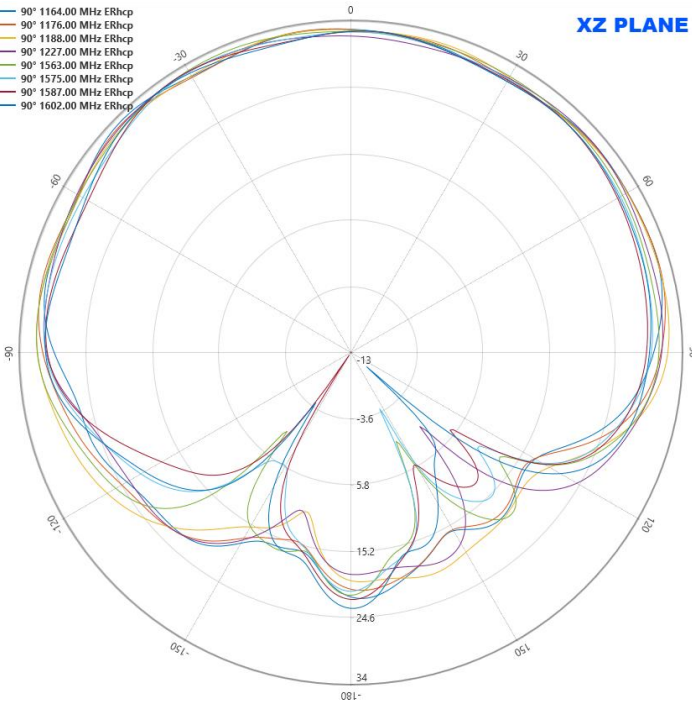
## Radiation Pattern

### GNSS Antenna

- ✓ 0° 1164.00 MHz ERhcp
- ✓ 0° 1176.00 MHz ERhcp
- ✓ 0° 1188.00 MHz ERhcp
- ✓ 0° 1227.00 MHz ERhcp
- ✓ 0° 1563.00 MHz ERhcp
- ✓ 0° 1575.00 MHz ERhcp
- ✓ 0° 1587.00 MHz ERhcp
- ✓ 0° 1602.00 MHz ERhcp

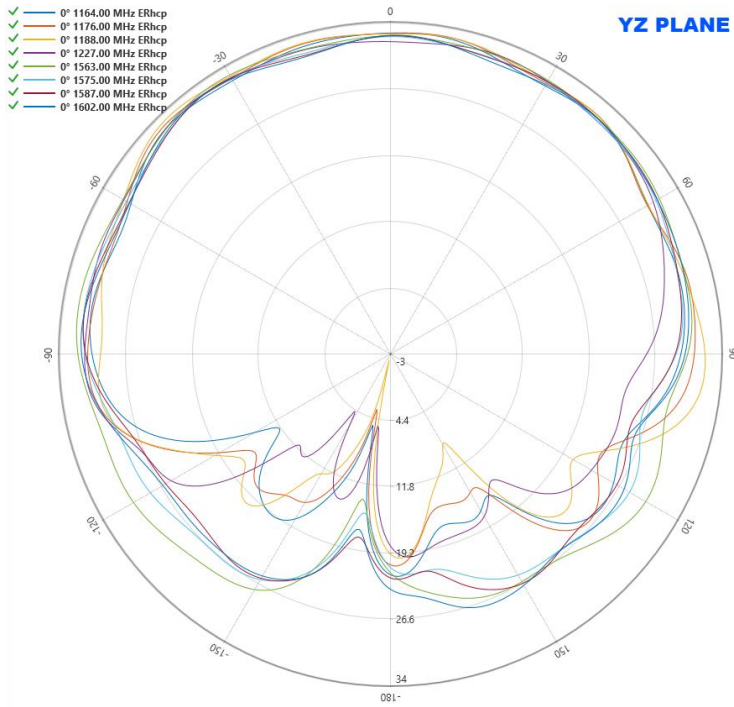


- ✓ 90° 1164.00 MHz ERhcp
- ✓ 90° 1176.00 MHz ERhcp
- ✓ 90° 1188.00 MHz ERhcp
- ✓ 90° 1227.00 MHz ERhcp
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- ✓ 90° 1587.00 MHz ERhcp
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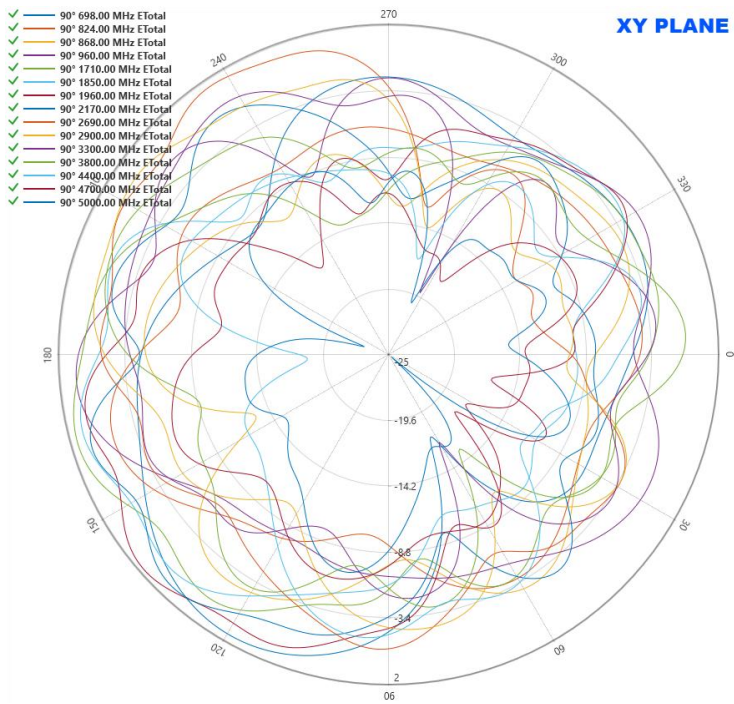




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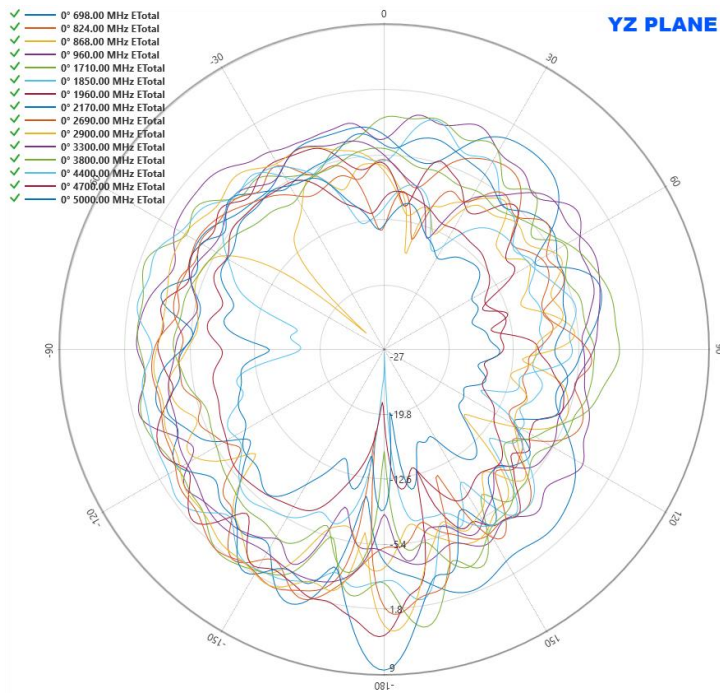
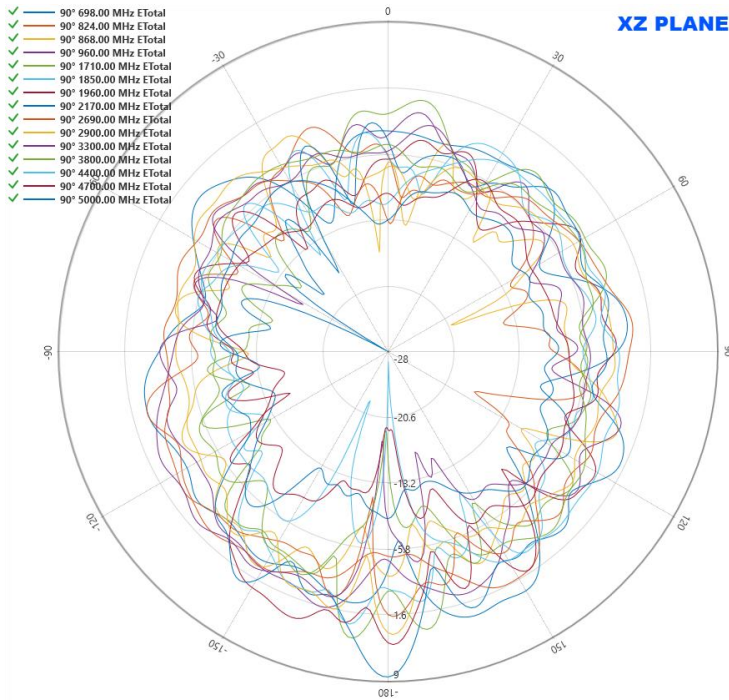


NR Antenna main





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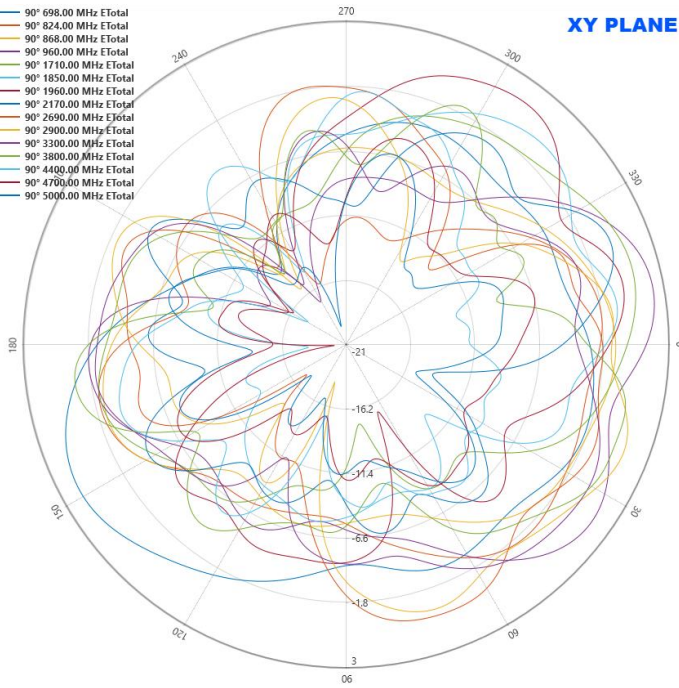
NR Antenna aux



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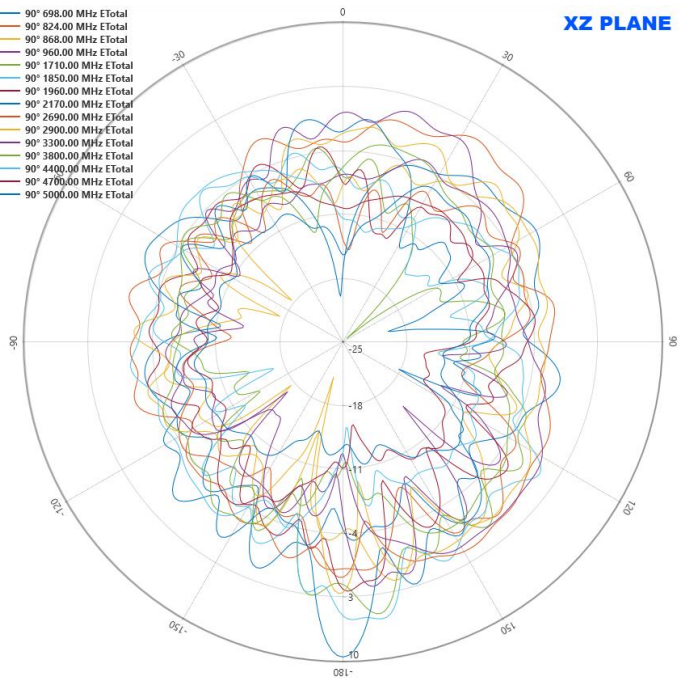
- 90° 698.00 MHz ETotal
- 90° 824.00 MHz ETotal
- 90° 868.00 MHz ETotal
- 90° 960.00 MHz ETotal
- 90° 1710.00 MHz ETotal
- 90° 1850.00 MHz ETotal
- 90° 1960.00 MHz ETotal
- 90° 2170.00 MHz ETotal
- 90° 2690.00 MHz ETotal
- 90° 2900.00 MHz ETotal
- 90° 3300.00 MHz ETotal
- 90° 3800.00 MHz ETotal
- 90° 4400.00 MHz ETotal
- 90° 4700.00 MHz ETotal
- 90° 5000.00 MHz ETotal

XY PLANE



- 90° 698.00 MHz ETotal
- 90° 824.00 MHz ETotal
- 90° 868.00 MHz ETotal
- 90° 960.00 MHz ETotal
- 90° 1710.00 MHz ETotal
- 90° 1850.00 MHz ETotal
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- 90° 4700.00 MHz ETotal
- 90° 5000.00 MHz ETotal

XZ PLANE

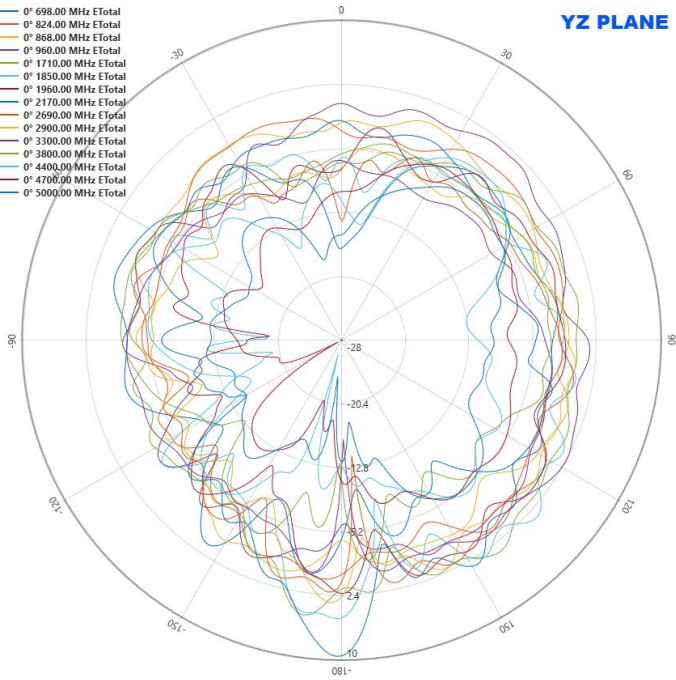




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- ✓ 0° 698.00 MHz ETotal
- ✓ 0° 824.00 MHz ETotal
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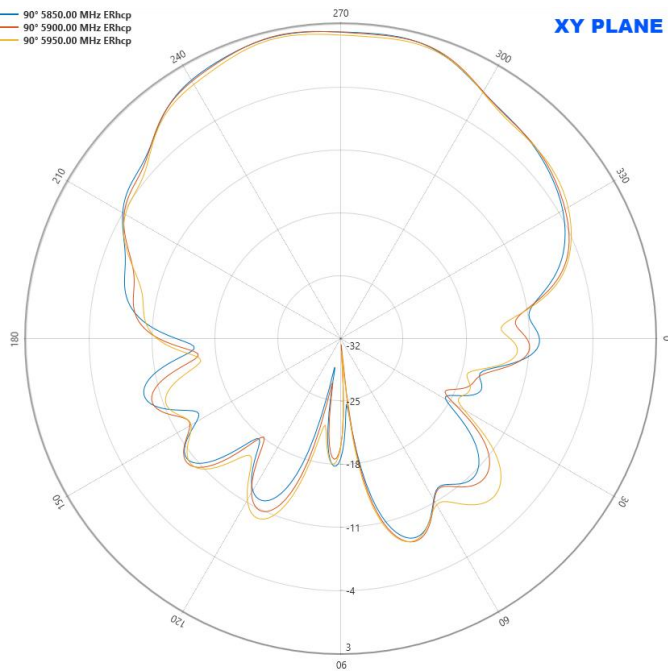
YZ PLANE



V2X Antenna forward

- ✓ 90° 5850.00 MHz ERhcp
- ✓ 90° 5900.00 MHz ERhcp
- ✓ 90° 5950.00 MHz ERhcp

XY PLANE



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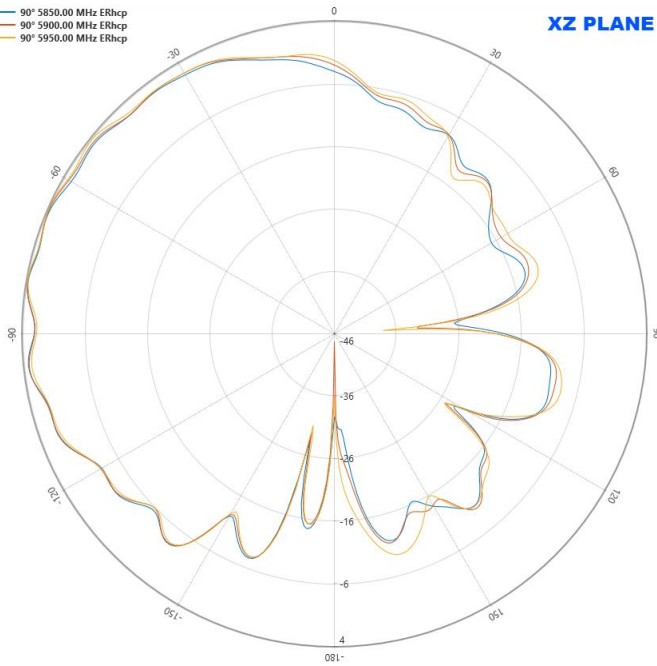




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- 90° 5850.00 MHz ERhcp
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- 90° 5950.00 MHz ERhcp

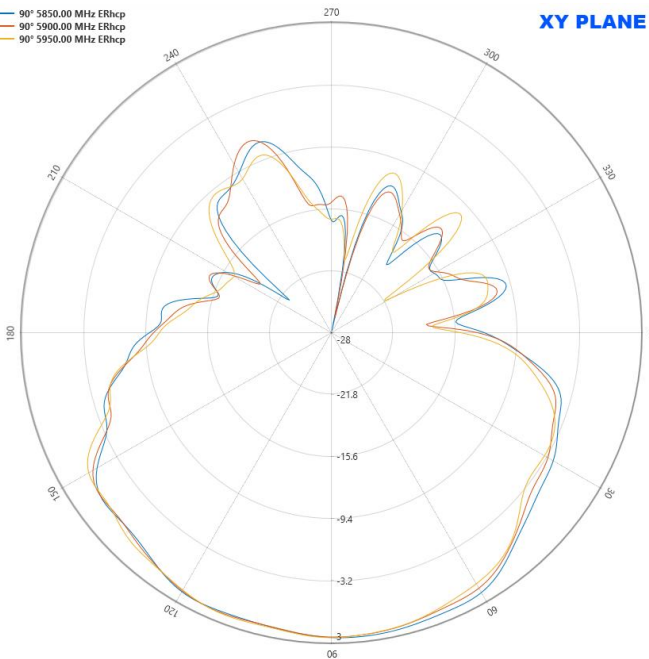
XZ PLANE



V2X Antenna back

- 90° 5850.00 MHz ERhcp
- 90° 5900.00 MHz ERhcp
- 90° 5950.00 MHz ERhcp

XY PLANE



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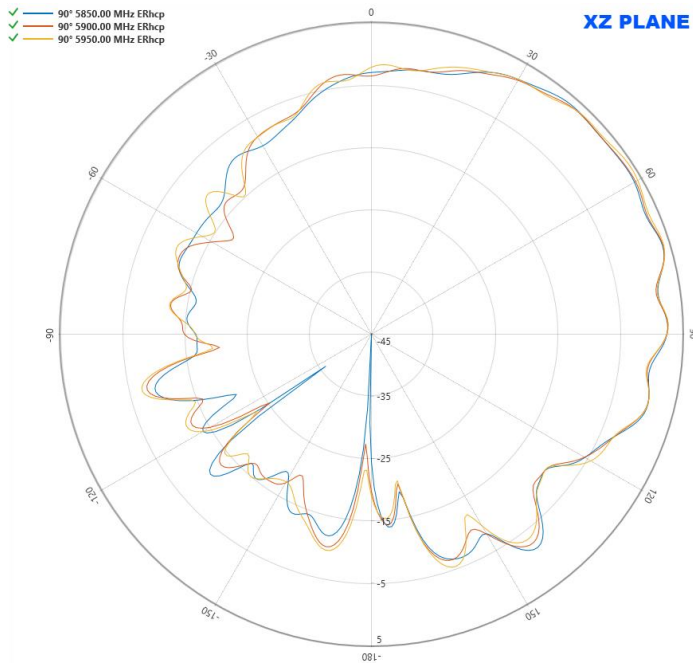
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**XZ PLANE**



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