

Directional Panel Antennas

The MAXRAD directional panel antennas are designed to cover 2.4 GHz, 5.1 GHz, 5.8 GHz and PCS frequencies with a VSWR of less than 1.5:1, obtaining maximum gain

with an attractive, low-profile package. All models provide efficient and stable performance across the band and can be mounted indoors or outdoors.

Features and Benefits:

- PCB design. Provides best performance-to-price ratio.
- UL94-V0 plastic and PC board conform to UL's high flame retardant rating, allowing maximum placement flexibility. Meets stringent building code requirements.
- Attractive, low profile housing. Blends well with indoor and outdoor environments where aesthetic considerations are important.
- Corner exit RG58 pigtail design. Permits the panel to be mounted in vertical or horizontal polarity.
- Optional UL910 rated Plenum cable. Allows the cable to be installed in strict indoor mounting locations, including air ducts.
- Adjustable mounting brackets for indoor installation are included. Indoor corner mounting bracket and heavy duty outdoor mounting brackets are also available. These provide maximum flexibility for indoor or outdoor installations.



MP24008XFPT



MP24012CPLXFPT
on MPAB12
Corner Mount



MP58013XFPT on
MPAB11 Mount

General Specifications:

Radome Material:

UL94-V0 plastic

Polarization:

Vertical or horizontal, linear (except MP24012CPLXFPT)

Left hand circular (Model MP24012CPLXFPT)

Lightning Protection:

DC grounded

Mounting Method:

Adjustable azimuth/elevation MPAB11 mount is included with 8 dBi panels.

Adjustable azimuth/elevation MPAB12 indoor corner mount is sold separately.

Nominal Impedance:

50 Ohms

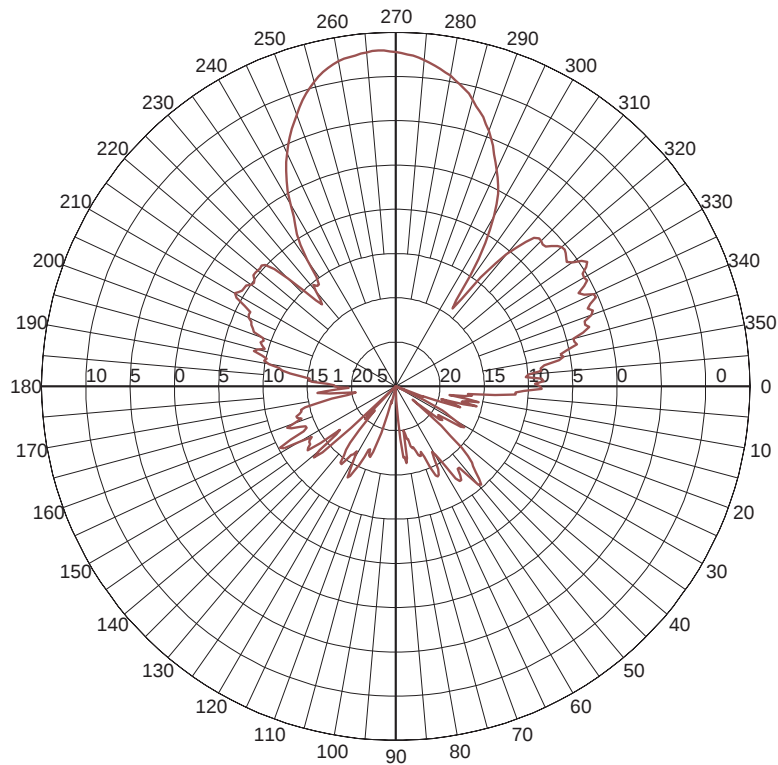
Electrical Specifications

Model #	Frequency Range	Gain	Front-to-Back Ratio	3 dB Horizontal Beamwidth	3 dB Vertical Beamwidth	VSWR	Maximum Power Input	Connector Options
MP19008XFPT	1850-1990 MHz	8.0 dBi	> 15 dB	90°	60°	< 1.5:1	20 Watts	N female (part #NF) is standard. Other connector options are available. Please consult factory for details.
MP19013XFPT	1850-1990 MHz	12.5 dBi	> 18 dB	40°	35°	< 1.5:1	20 Watts	
MP24008XFPT	2300-2500 MHz	8.5 dBi	> 15 dB	60°	60°	< 1.5:1	20 Watts	
MP24012CPLXFPT	2300-2500 MHz	12.0 dBi	> 20 dB	35°	35°	< 1.5:1	20 Watts	
MP24013XFPT	2300-2500 MHz	13.0 dBi	> 18 dB	35°	35°	< 1.5:1	20 Watts	
MP51513XFPT	5150-5350 MHz	13.0 dBi	> 23 dB	42°	27°	< 1.5:1	20 Watts	
MP58013XFPT	5725-5875 MHz	12.5 dBi	> 23 dB	42°	28°	< 1.5:1	20 Watts	

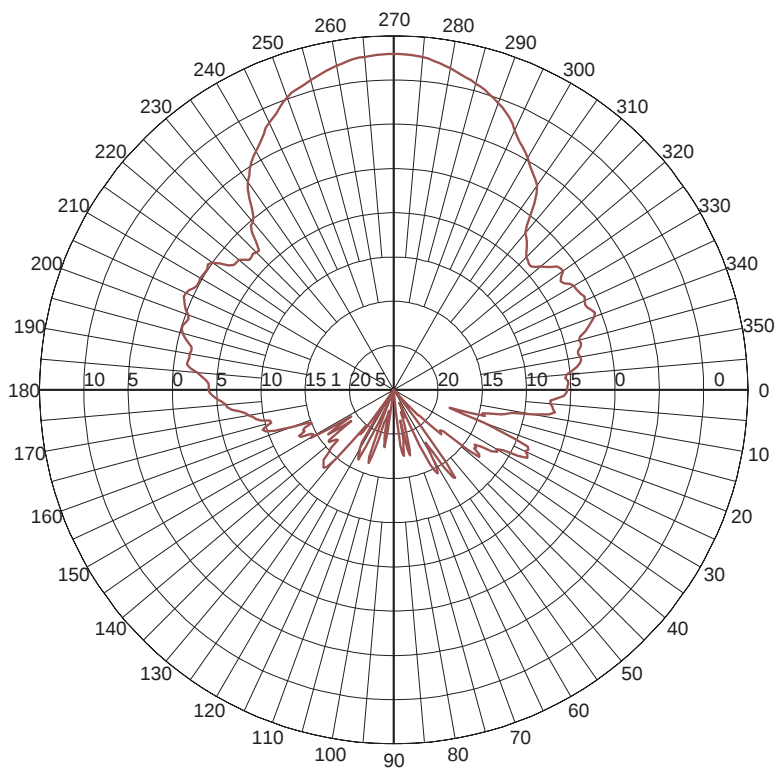
Mechanical Specifications

Model #	Temperature Range	Dimensions	Weight	Cable
MP19008XFPT	-40°C to +70°C	5.1" x 4.7" x 1.5" (12.9 x 11.9 x 3.8 cm)	0.5 lbs (0.23 kg)	12" (30.5 cm) RG58/U*
MP19013XFPT	-40°C to +70°C	8.8" x 8.1" x 1.6" (22.4 x 20.6 x 4.06 cm)	1.2 lbs (0.54 kg)	12" (30.5 cm) RG58/U*
MP24008XFPT	-40°C to +70°C	5.1" x 4.7" x 1.5" (12.9 x 11.9 x 3.8 cm)	0.5 lbs (0.23 kg)	12" (30.5 cm) RG58/U*
MP24012CPLXFPT	-40°C to +70°C	8.8" x 8.1" x 1.6" (22.4 x 20.6 x 4.06 cm)	1.2 lbs (0.54 kg)	12" (30.5 cm) RG58/U*
MP24013XFPT	-40°C to +70°C	8.8" x 8.1" x 1.6" (22.4 x 20.6 x 4.06 cm)	1.2 lbs (0.54 kg)	12" (30.5 cm) RG58/U*
MP51513XFPT	-40°C to +70°C	5.1" x 4.7" x 1.5" (12.9 x 11.9 x 3.8 cm)	0.5 lbs (0.23 kg)	6" (15.25 cm) .141 semi-rigid*
MP58013XFPT	-40°C to +70°C	5.1" x 4.7" x 1.5" (12.9 x 11.9 x 3.8 cm)	0.5 lbs (0.23 kg)	6" (15.25 cm) .141 semi-rigid*

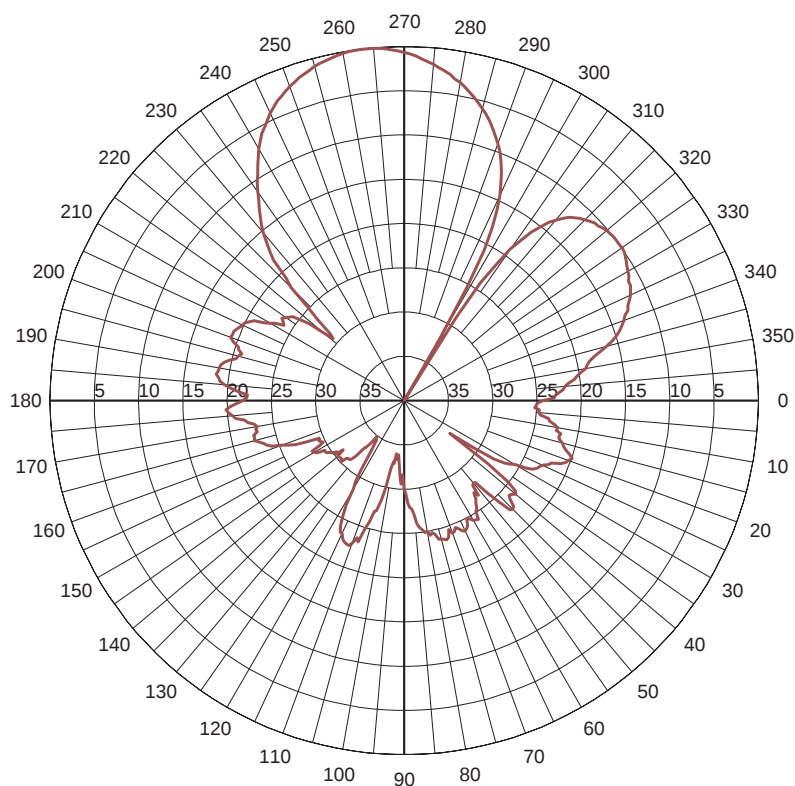
* UL910 rated cable optional.



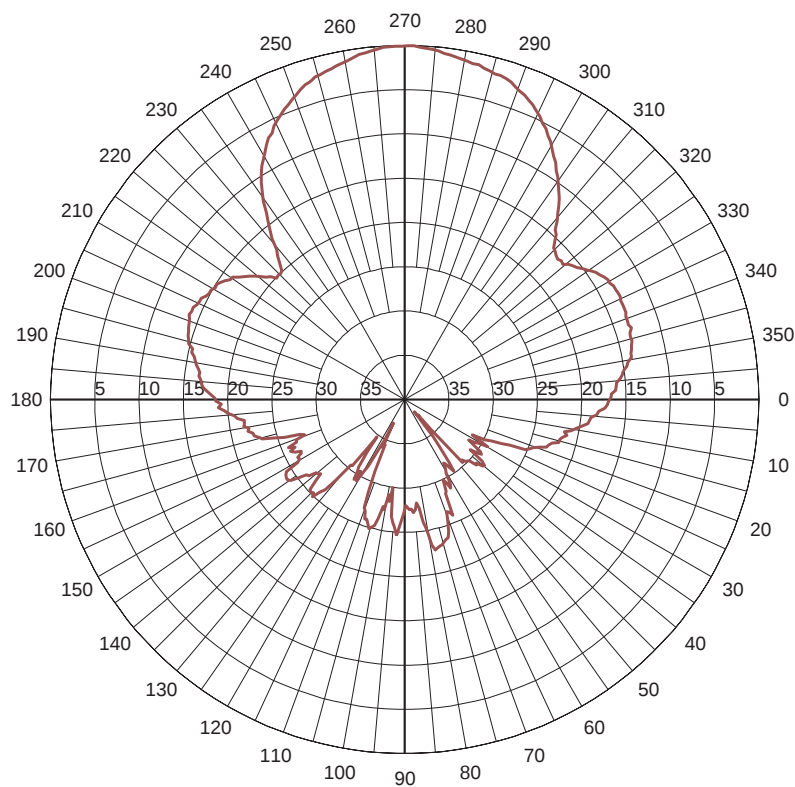
MP58013XFPT Elevation Cut



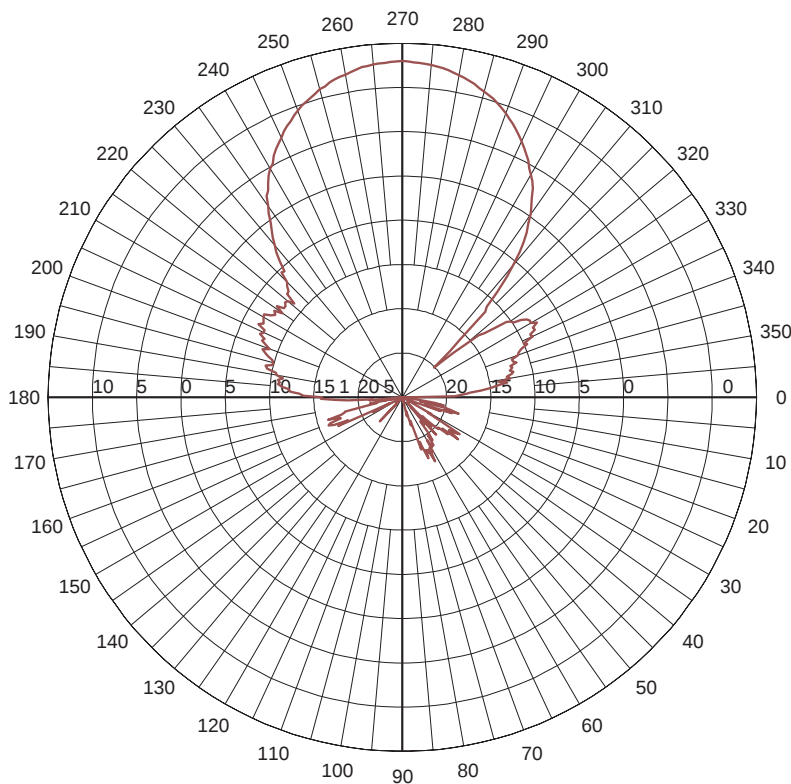
MP58013XFPT Azimuth Cut



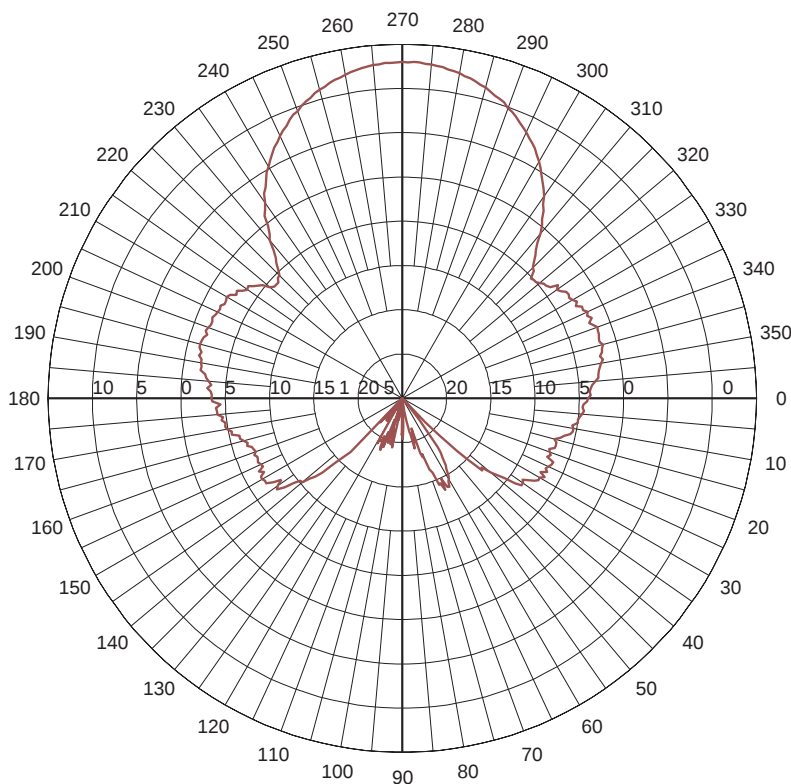
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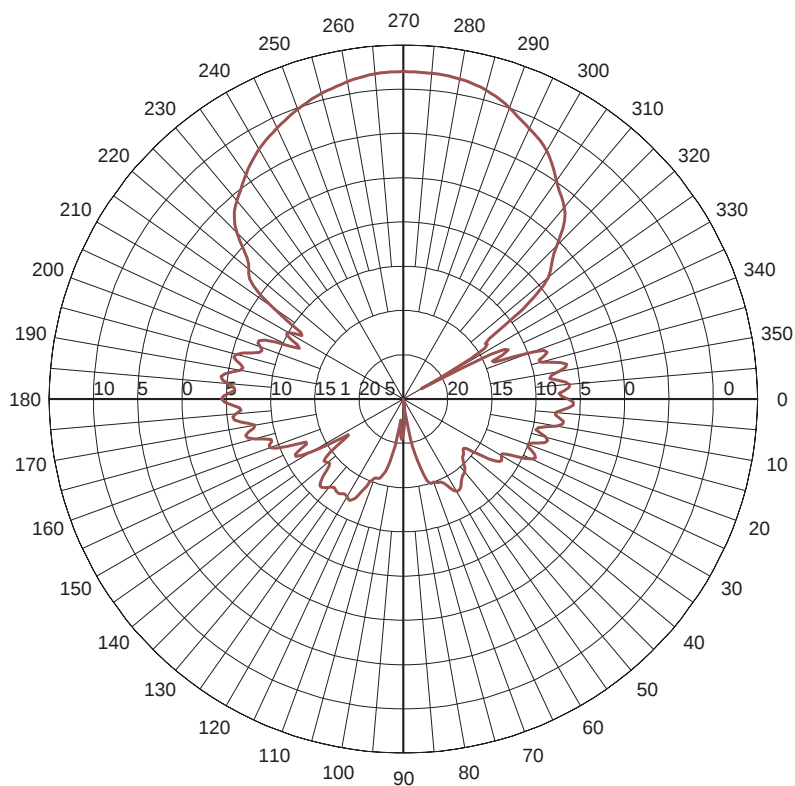
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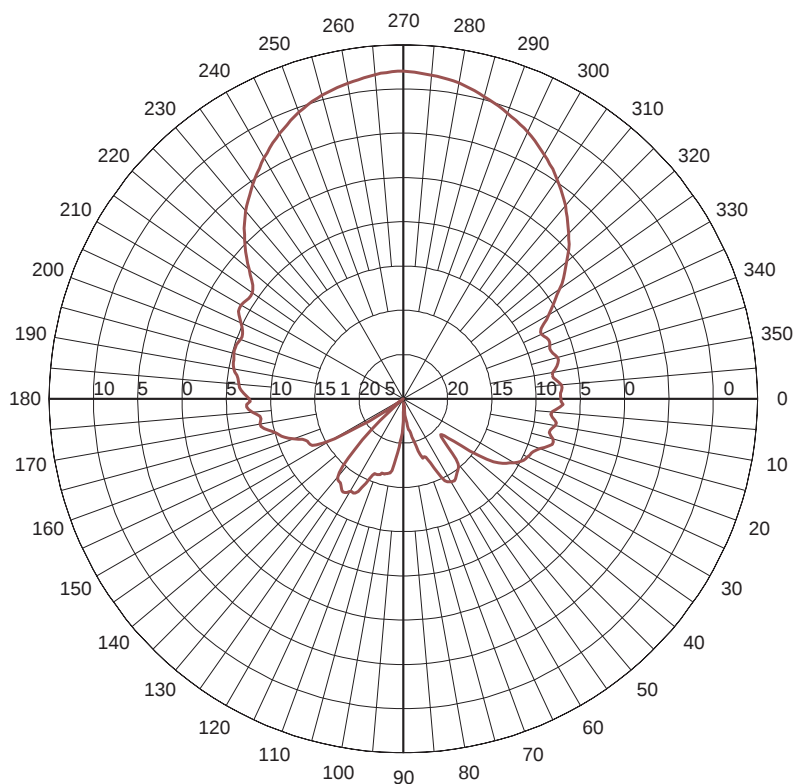
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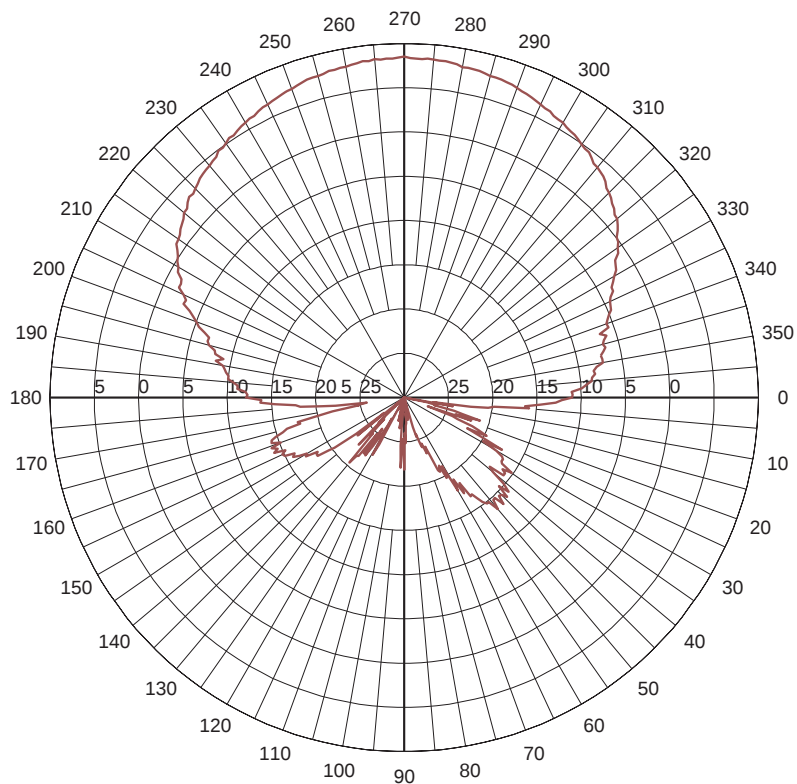
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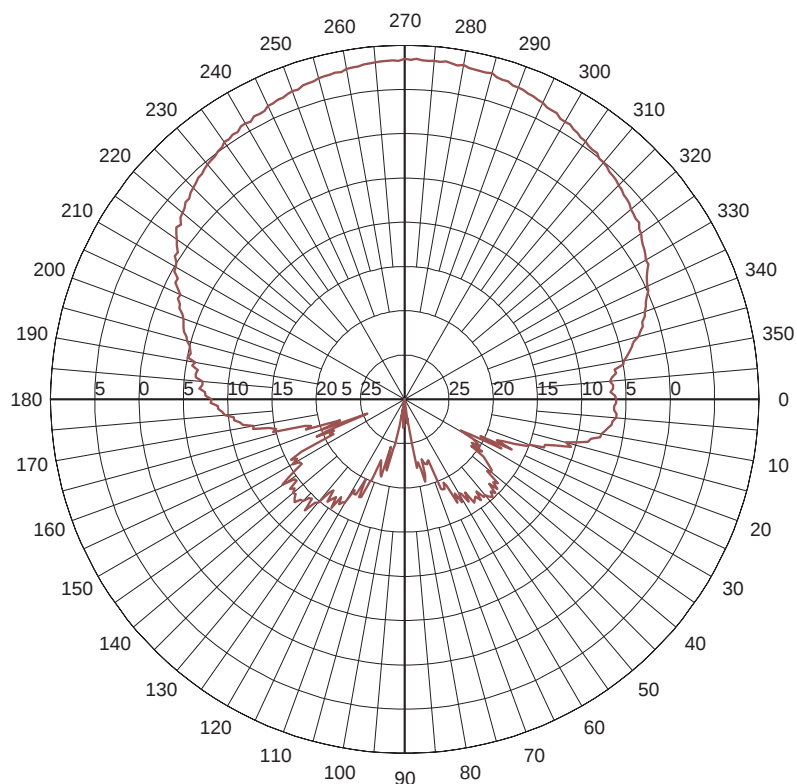
MP24012CPLXFPT Elevation Cut



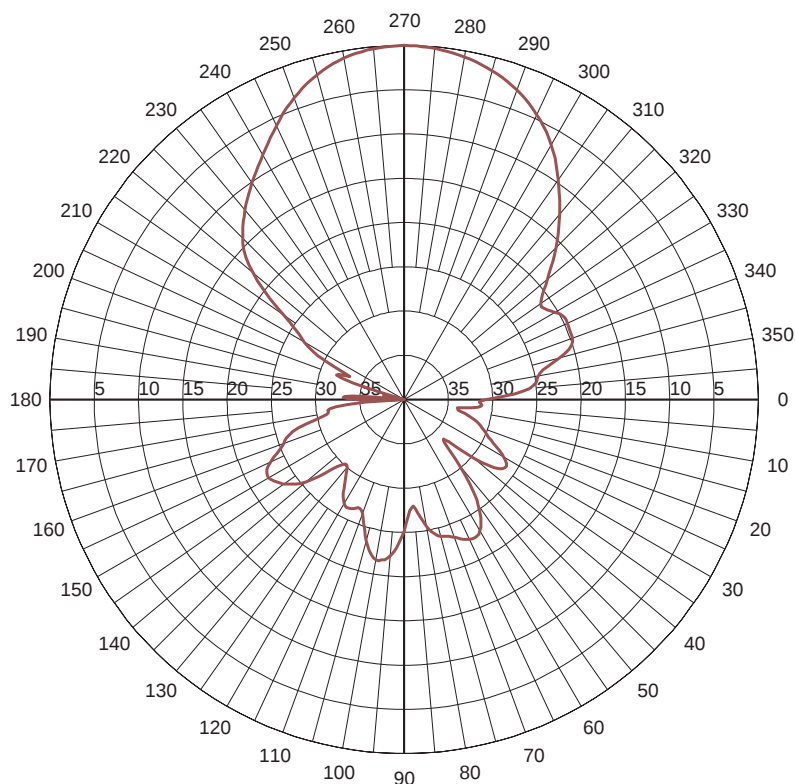
MP24012CPLXFPT Azimuth Cut



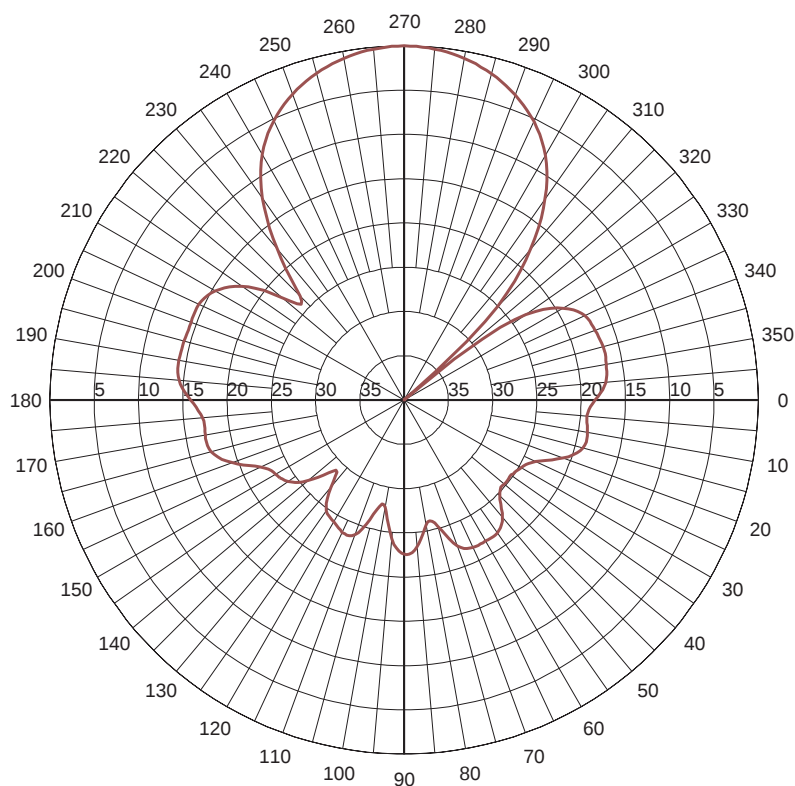
MP24008XFPT Elevation Cut



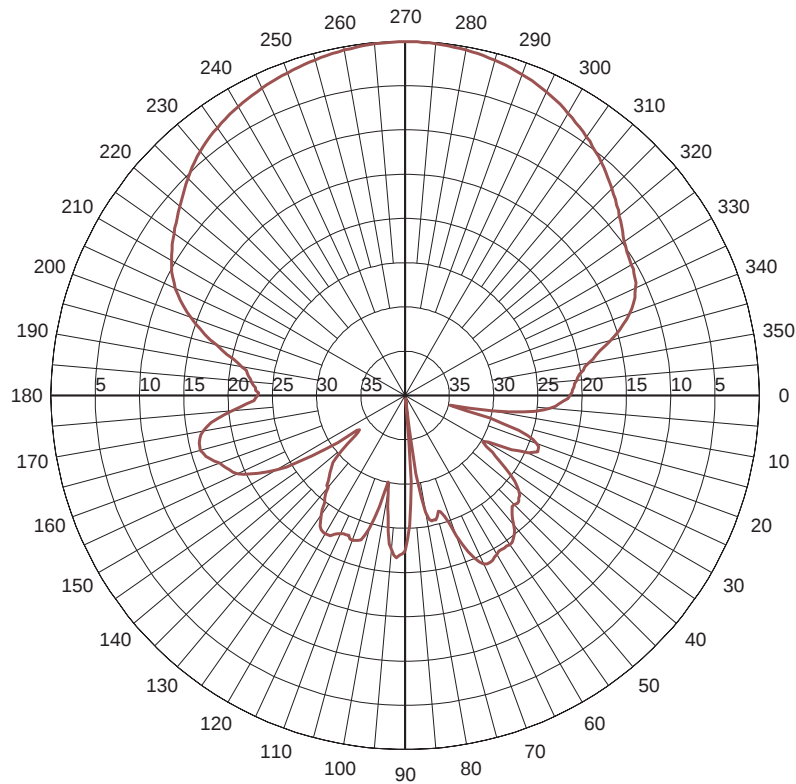
MP24008XFPT Azimuth Cut



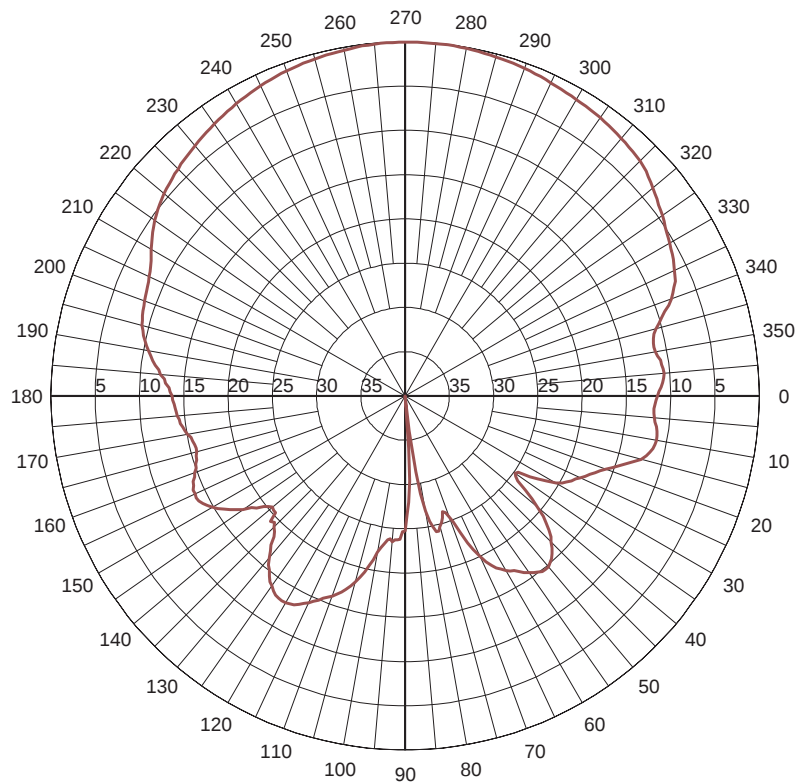
MP19013XFPT Elevation Cut



MP19013XFPT Azimuth Cut



MP19008XFPT Elevation Cut



MP19008XFPT Azimuth Cut