

# 4G Low-Profile Dome Antenna

SKU: 314406 & 314407

## FEATURES

- Ultra-thin
- White radome
- RoHS Compliant
- N-female connector
- Plenum Rated pig-tail cable
- High efficiency and compact design
- Covers cellular bands and WiFi from 608 through 2700 MHz

## Kit Includes



## Specifications

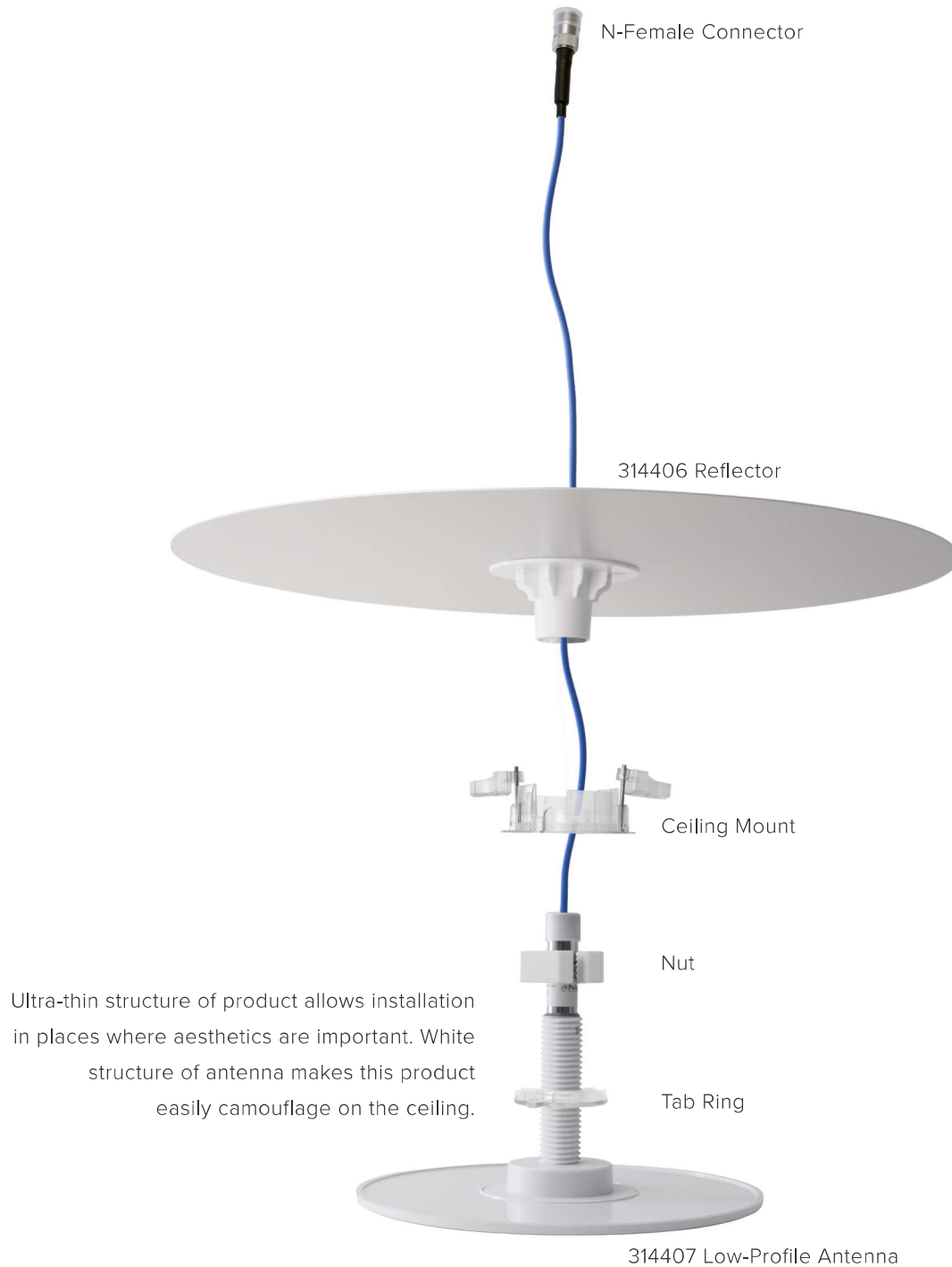
### ANTENNA ELECTRICAL SPEC. WITH REFLECTOR

Frequency Band (MHz)	608-960 / 1695-2200 / 2300-2700
Nominal Impedance	50
VSWR (698-960 MHz)	2:1
VSWR (1695-2200 MHz)	2:1
Average Peak Gain (608-960 MHz)	7 dBi
Average Peak Gain (1695-2200 MHz)	7 dBi
Average Peak Gain (2300-2700 MHz)	5 dBi
Efficiency (608-960 MHz)	70%
Efficiency (1695-2200 MHz)	65%
Efficiency (2300-2700 MHz)	60%
Horizontal Plane (th=45deg)	Omni
HPBW Vertical Plane (608-960 MHz)	90° Typ
HPBW Vertical Plane (1695-2200 MHz)	25° Typ
HPBW Vertical Plane (2300-2700 MHz)	25° Typ
Maximum Power Input	40 W
Cable Type	Diameter 0.16 in. Low Loss, Plenum Rated
Cable Length	10 in. / 254mm
Connector Type	N-Female

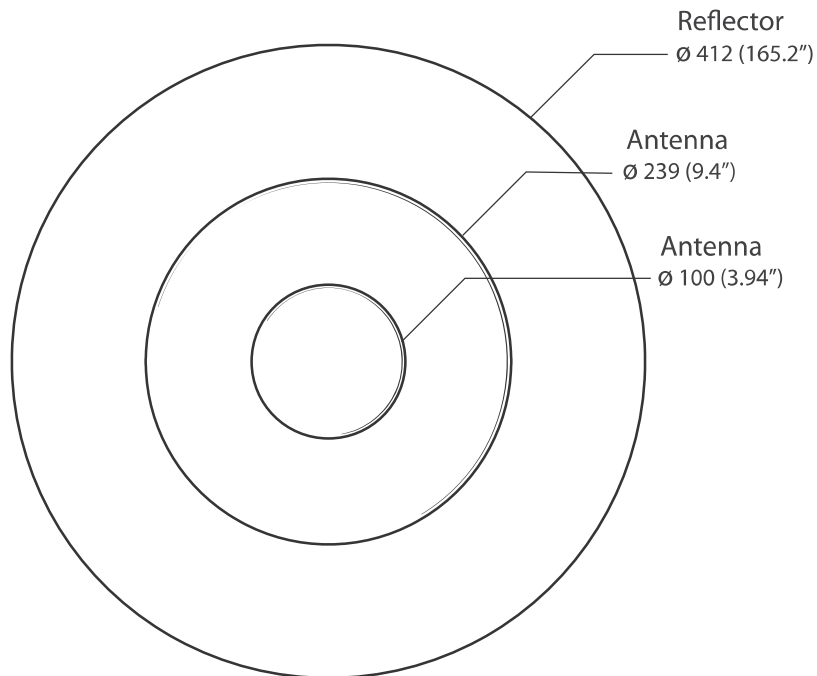
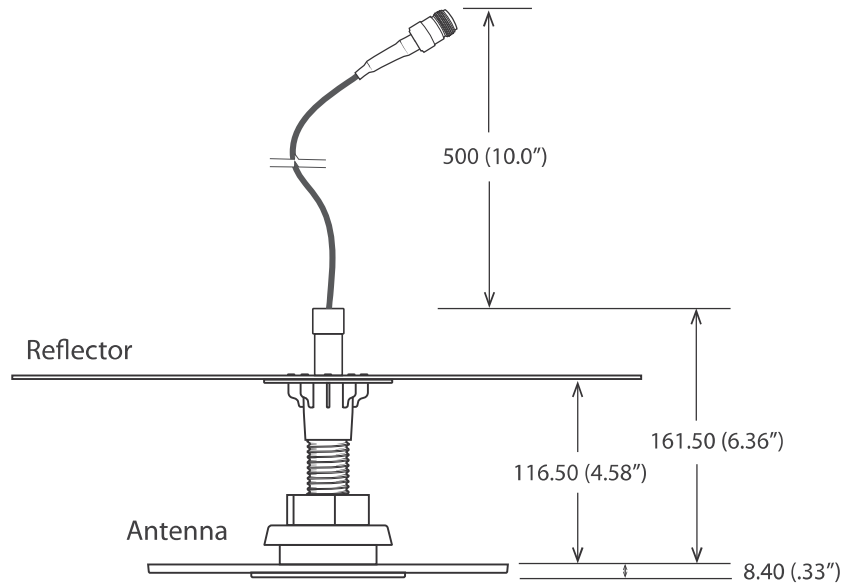
### ANTENNA ELECTRICAL SPEC. WITHOUT REFLECTOR

Frequency Band (MHz)	608-960 / 1695-2200 / 2300-2700
Nominal Impedance	50
VSWR (698-960 MHz)	2:1
VSWR (1695-2200 MHz)	2:1
Average Peak Gain (608-960 MHz)	4 dBi
Average Peak Gain (1695-2200 MHz)	6 dBi
Average Peak Gain (2300-2700 MHz)	6 dBi
Efficiency (608-960 MHz)	70%
Efficiency (1695-2200 MHz)	65%
Efficiency (2300-2700 MHz)	60%
Horizontal Plane (th=45deg)	Omni
HPBW Vertical Plane (608-960 MHz)	100° Typ
HPBW Vertical Plane (1695-2200 MHz)	130° Typ
HPBW Vertical Plane (2300-2700 MHz)	130° Typ
Maximum Power Input	40 W
Cable Type	Diameter 0.16 in. Low Loss, Plenum Rated
Cable Length	10 in. / 254mm
Connector Type	N-Female

## Diagram



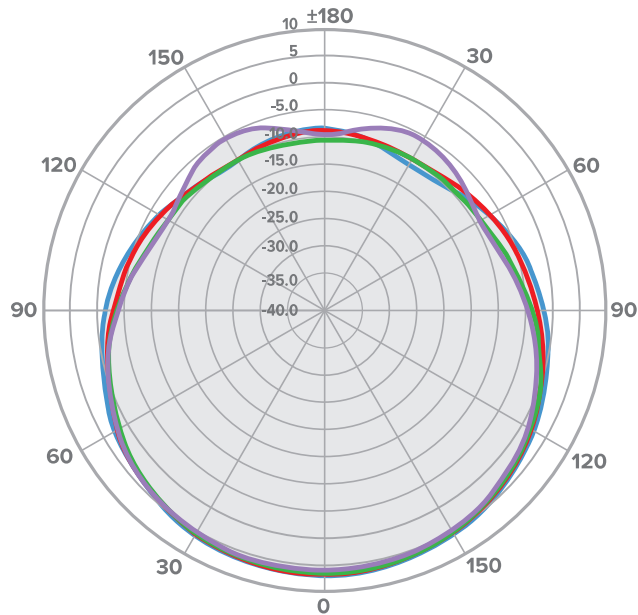
## Mechanical Drawing



## Radiation Patterns, with Reflector 608-906 MHz

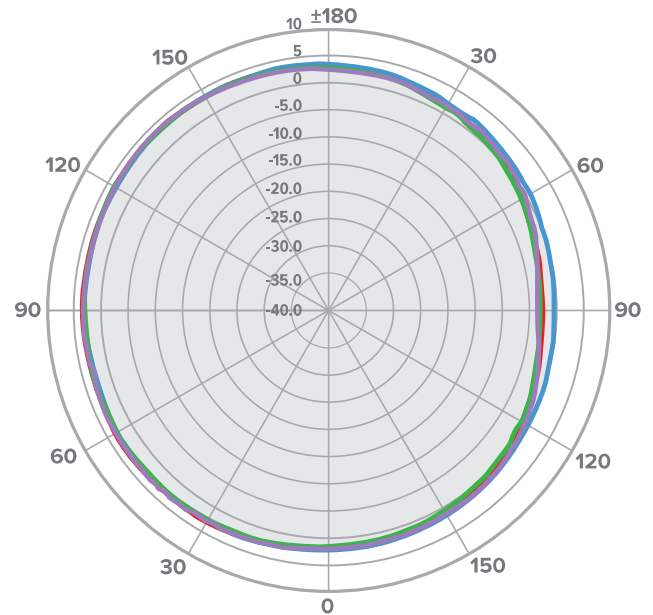
■ 620 MHz    ■ 720 MHz    ■ 820 MHz    ■ 920 MHz

Low Band Elevation Plane



theta, deg - floor at theta=0deg

Low Band Conical Azimuth Plane

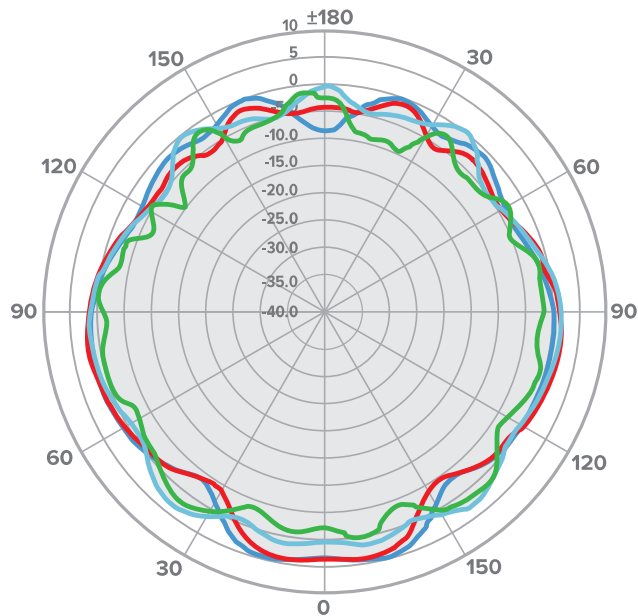


45 deg elevation - phi angle, deg

## Radiation Patterns, with Reflector 1695-2200 MHz

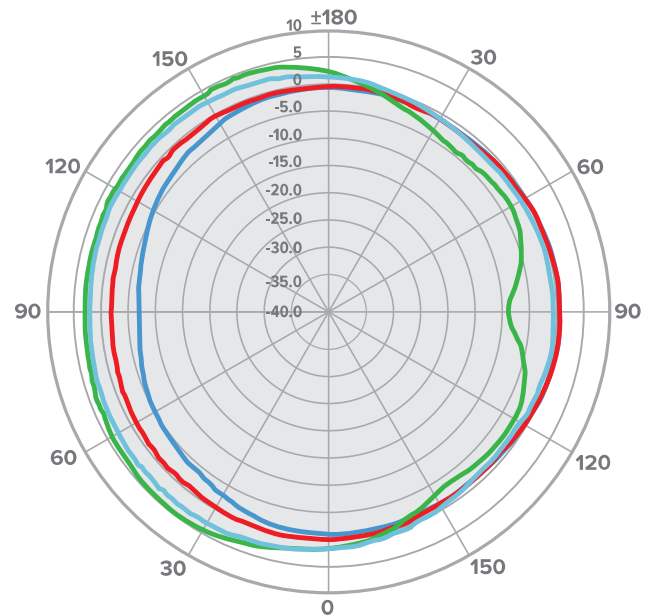
■ 1730 MHz    ■ 1890 MHz    ■ 2130 MHz    ■ 2200 MHz

Mid Band Elevation Plane



theta, deg - floor at theta=0deg

Mid Band Conical Azimuth Plane

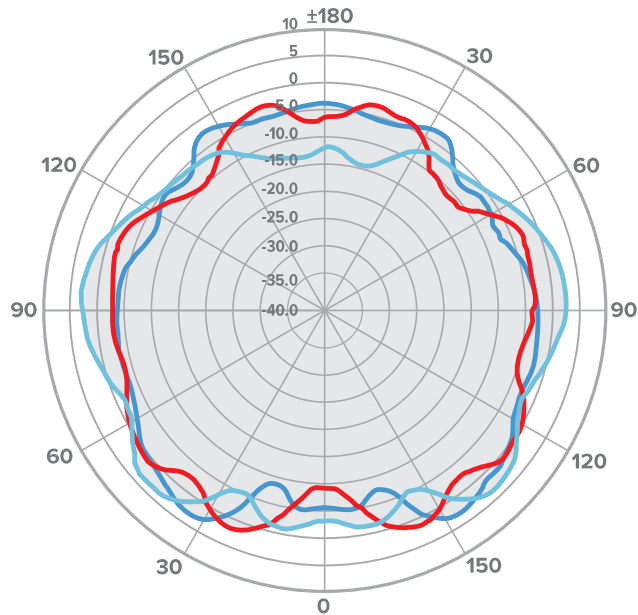


45 deg elevation - phi angle, deg

## Radiation Patterns, with Reflector 2300-2700 MHz

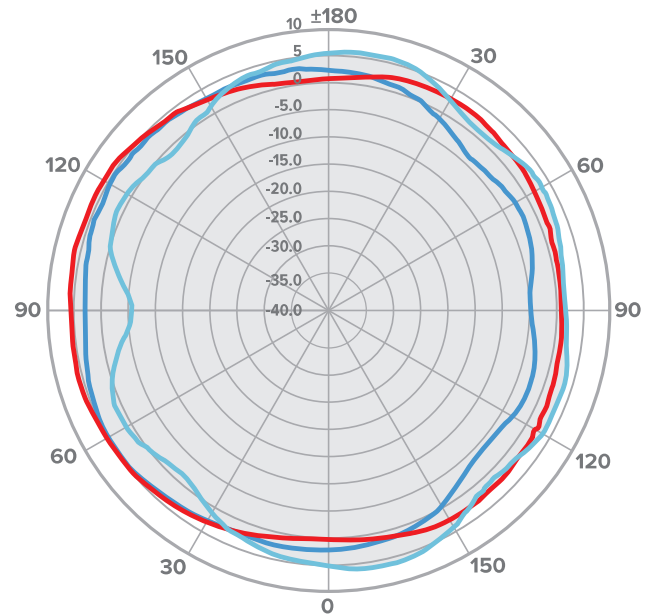
■ 2300 MHz ■ 2500 MHz ■ 2700 MHz

High Band Elevation Plane



theta, deg - floor at theta=0deg

High Band Conical Azimuth Plane

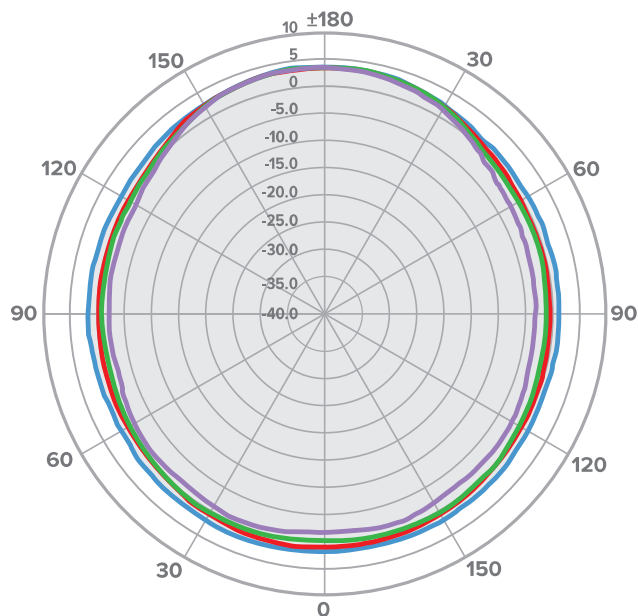


45 deg elevation - phi angle, deg

## Radiation Patterns, without Reflector 608-960 MHz

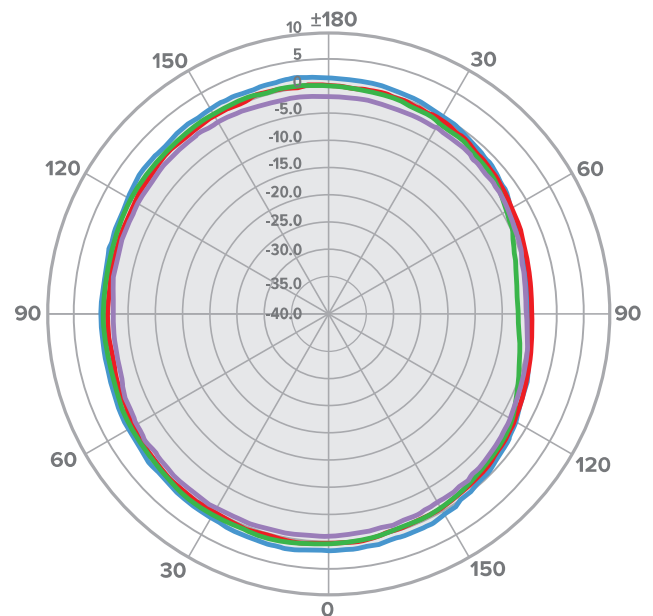
■ 620 MHz ■ 720 MHz ■ 820 MHz ■ 920 MHz

Low Band Elevation Plane



theta, deg - floor at theta=0deg

Low Band Conical Azimuth Plane

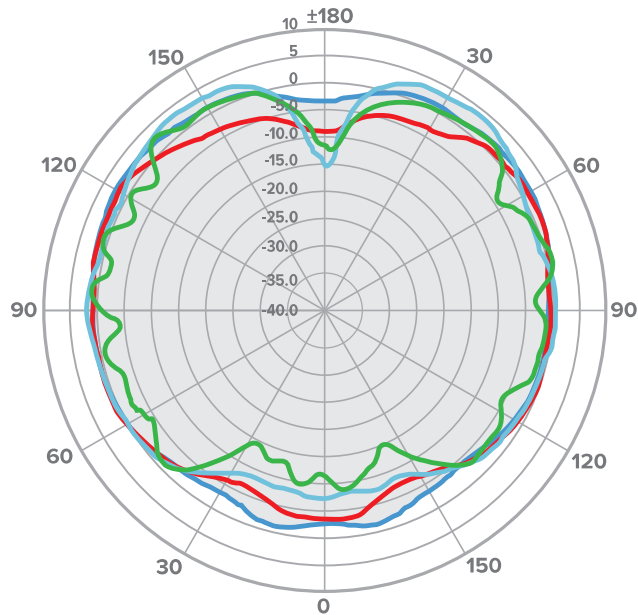


45 deg elevation - phi angle, deg

## Radiation Patterns, without Reflector 1695-2200 MHz

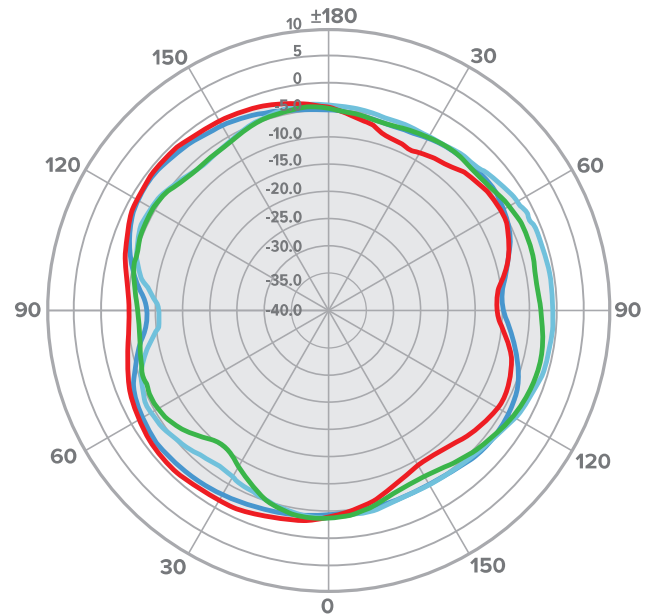
■ 1730 MHz ■ 1890 MHz ■ 2130 MHz ■ 2200 MHz

Mid Band Elevation Plane



theta, deg - floor at theta=0deg

Mid Band Conical Azimuth Plane

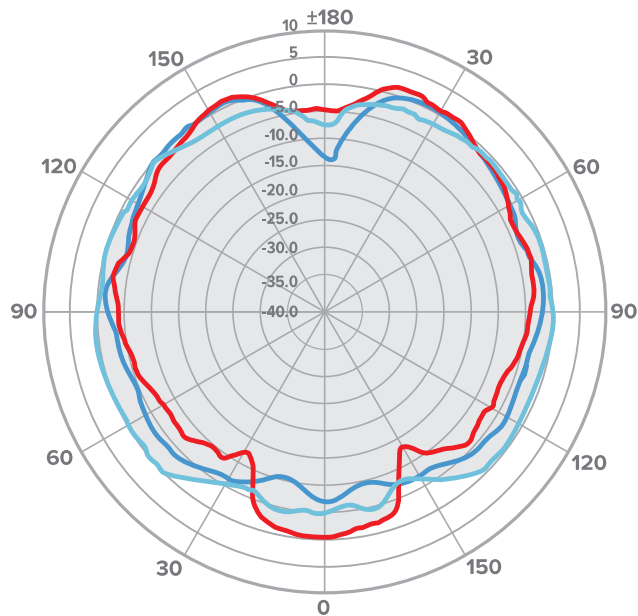


45 deg elevation - phi angle, deg

## Radiation Patterns, without Reflector 2300-2700 MHz

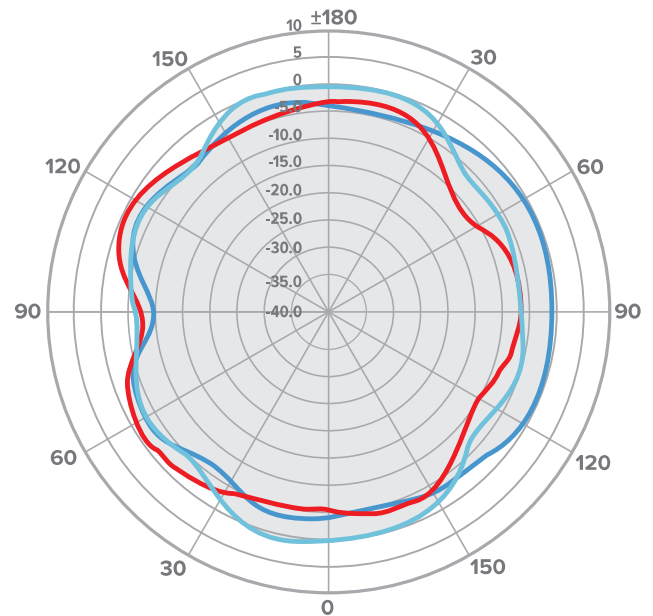
■ 2300 MHz ■ 2500 MHz ■ 2700 MHz

High Band Elevation Plane



theta, deg - floor at theta=0deg

High Band Conical Azimuth Plane



45 deg elevation - phi angle, deg