



## OCX24529-CS1

### 2.4-2.5 GHZ, 5.25-5.925 GHZ DUAL-BAND OMNIDIRECTIONAL ANTENNA

The OCX24529-CS1 is a 2.4-2.5/5.25-5.925 GHz dual-band omnidirectional collinear array especially designed to compliment interior or exterior mounted wireless network systems. The integrated male N-connector is embedded in the antenna base cap for direct AP mounting. Sealing permits either upright or inverted orientation in outdoor locations. The antenna may also be pole-mounted when separation from the AP is required for optimum positioning.

### FEATURES AND BENEFITS

- Installed upright or inverted
- Vertically polarized omnidirectional
- Rugged, light weight and water resistant
- Full wide band 802.11 a/b/g performance
- Compact size

### APPLICATIONS

- Outdoor metropolitan mesh networks
- Enterprise WLAN networks
- Indoor/outdoor mast mounts
- High to medium density customer premise locations

### ELECTRICAL SPECIFICATION

Model Number	OCX24529-CS1
Cisco Model Number	AIR-ANT2568VG-N
Cisco Mfg Part Number	07-1290-03
Operating Frequency	2.4-2.5 / 5.25-5.925 GHz
VSWR - Max	2.4-2.42 GHz: <1.7:1 2.42-2.5 GHz: <1.5:1 5.25-5.7 GHz: <1.8:1 5.7-5.85 GHz: <1.5:1 5.85-5.925 GHz: <2.0:1
Gain (dBi)	2.4-2.5 GHz: 6 dBi / 5.25-5.925 GHz: 8 dBi
Omnidirectional Ripple, dB	<2
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	1
Polarization	Vertical Linear
E-Plane 3 dB Beamwidth	22° / 11°
H-Plane 3dB Beamwidth	Omnidirectional

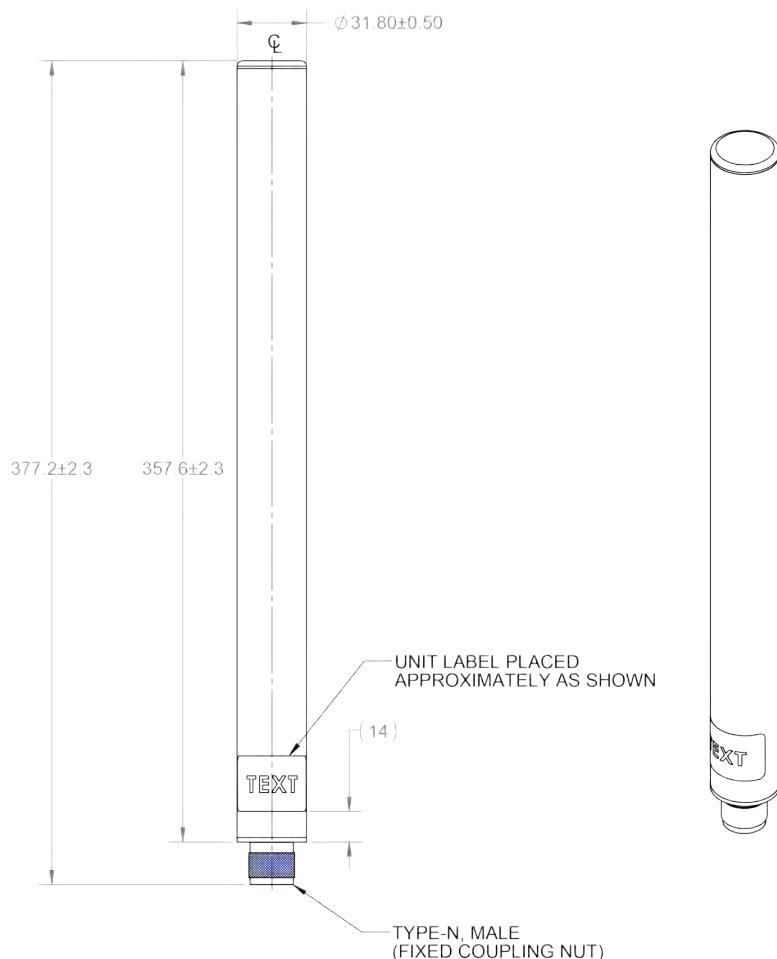
## MECHANICAL SPECIFICATION

Dimensions - mm (inches)	377.2 x 31.80 (14.85 x 1.25)
Weight - kg (lbs.)	0.18 (0.40)
Radome Material	Gray UV Polycarbonate
Connector	Type N Male
IP Rating	IP67

## ENVIRONMENTAL SPECIFICATIONS

Operating Environment (Indoor or Outdoor)	Indoor/Outdoor
Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-40 to +85°C (-40 to +185°F)
Material Substance Compliance	RoHS

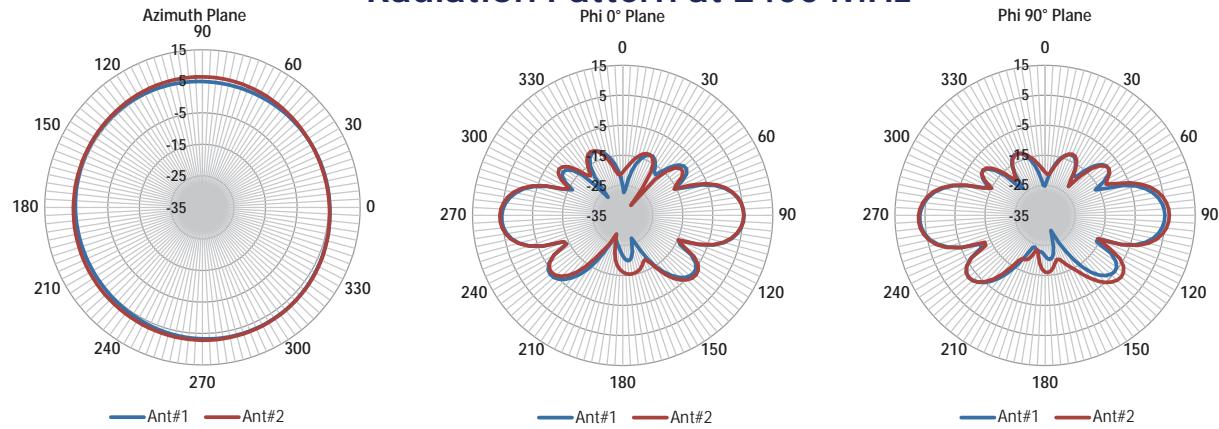
## MECHANICAL DRAWING



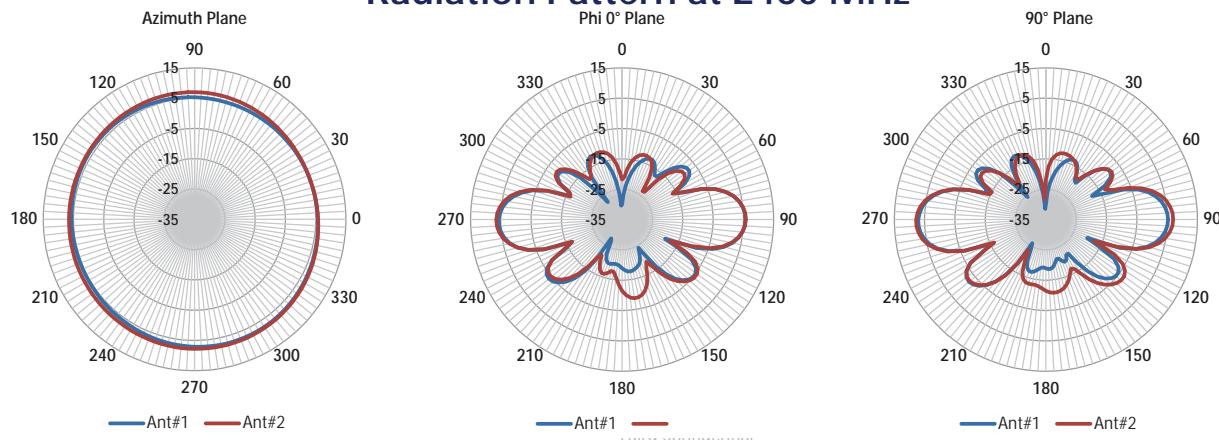
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## RADIATION PATTERNS

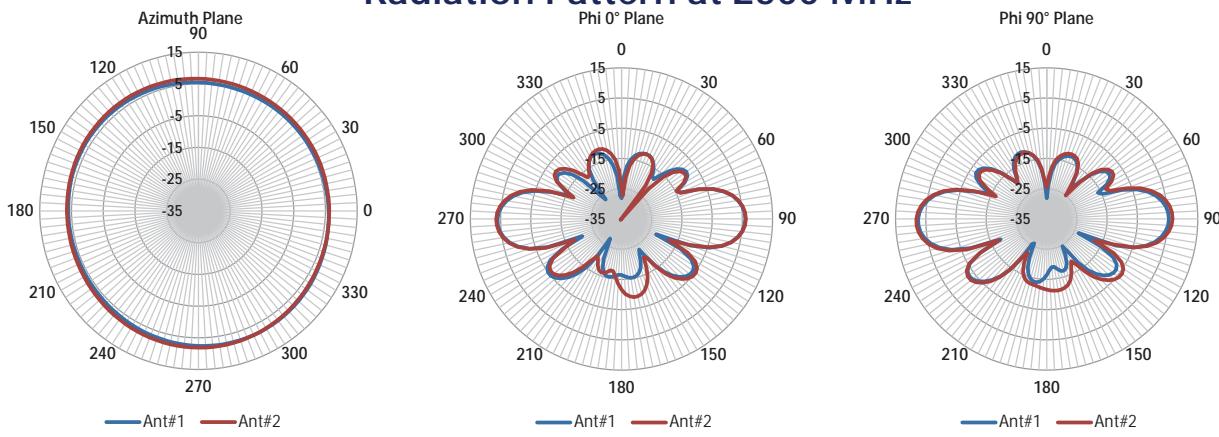
### Radiation Pattern at 2400 MHz



### Radiation Pattern at 2460 MHz



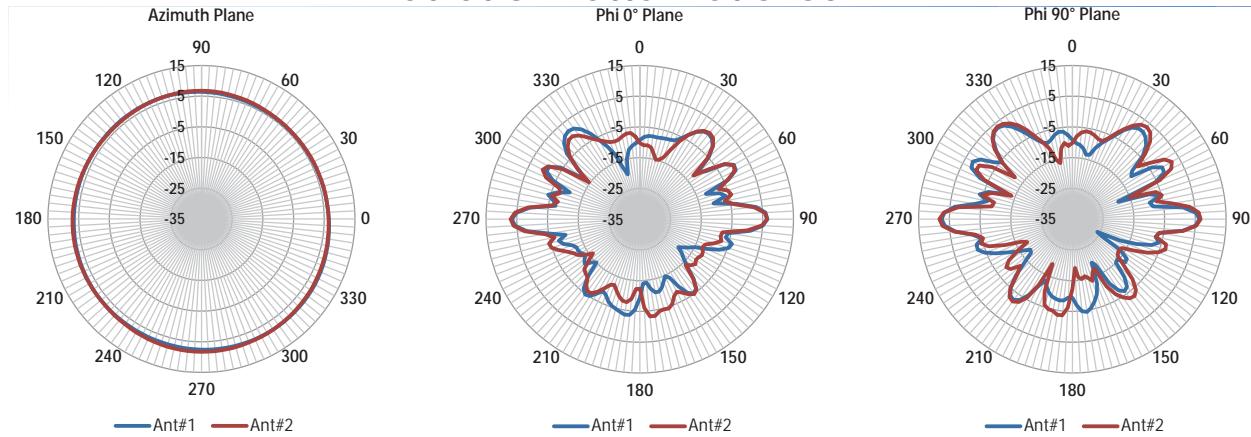
### Radiation Pattern at 2500 MHz



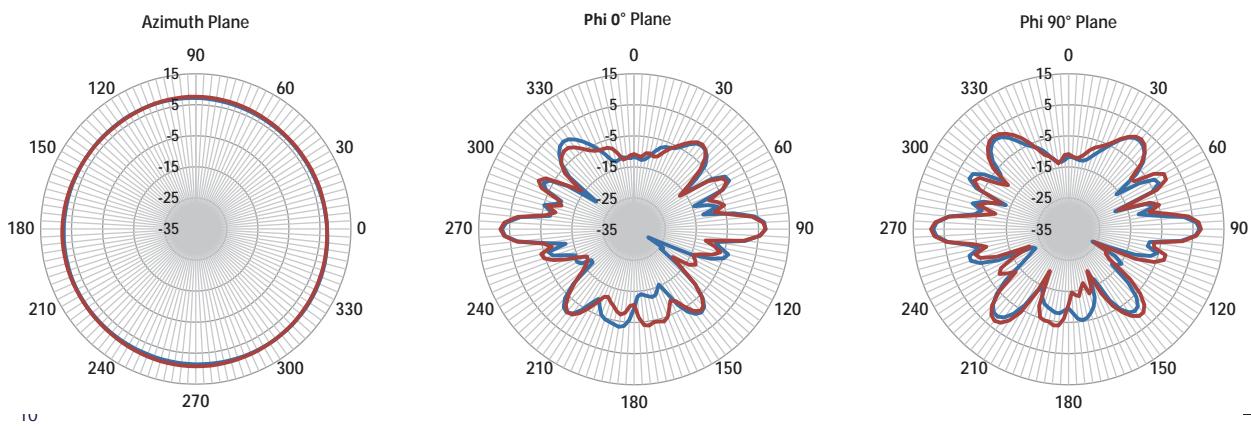
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## RADIATION PATTERNS

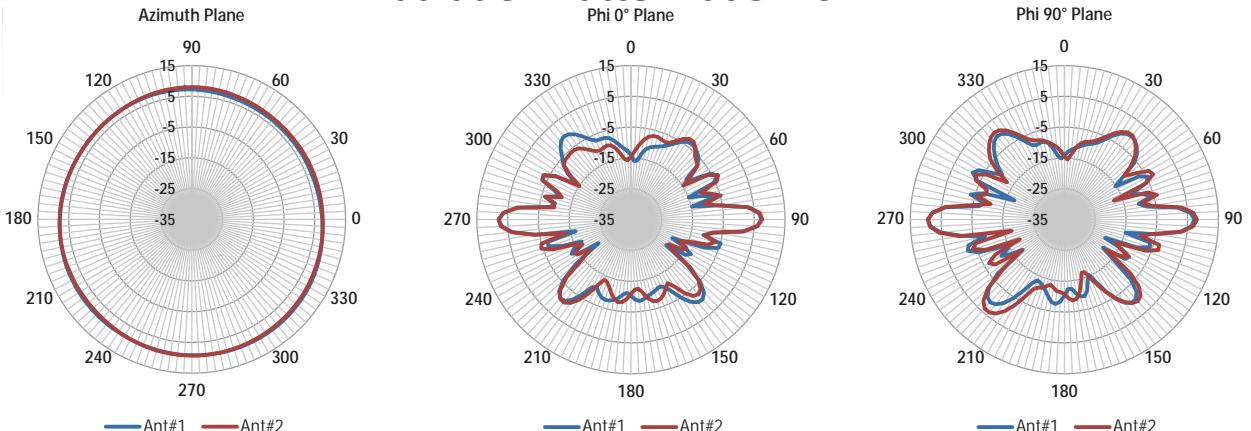
### Radiation Pattern at 5250 MHz



### Radiation Ptn at 5350 MHz

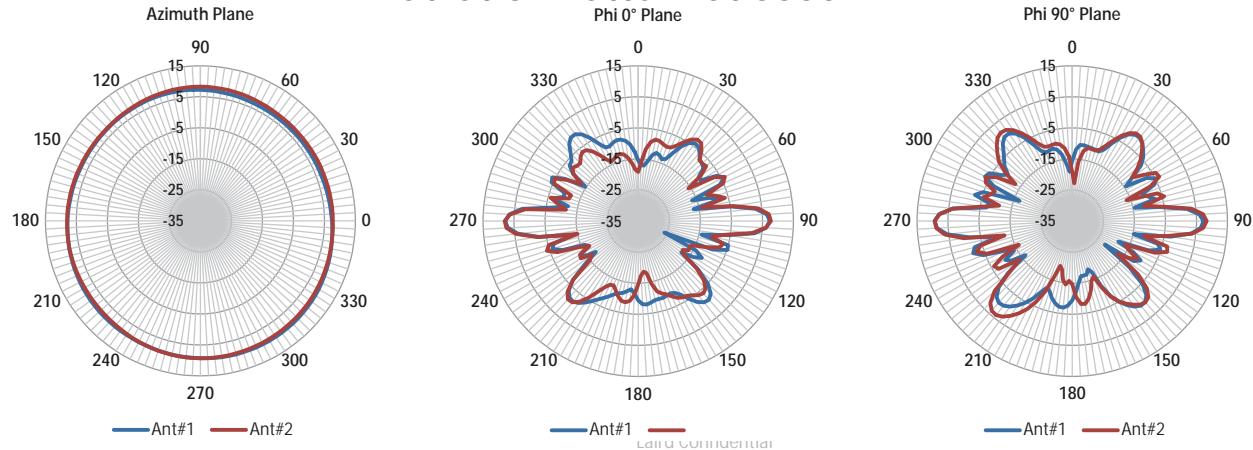


### Radiation Pattern at 5470 MHz

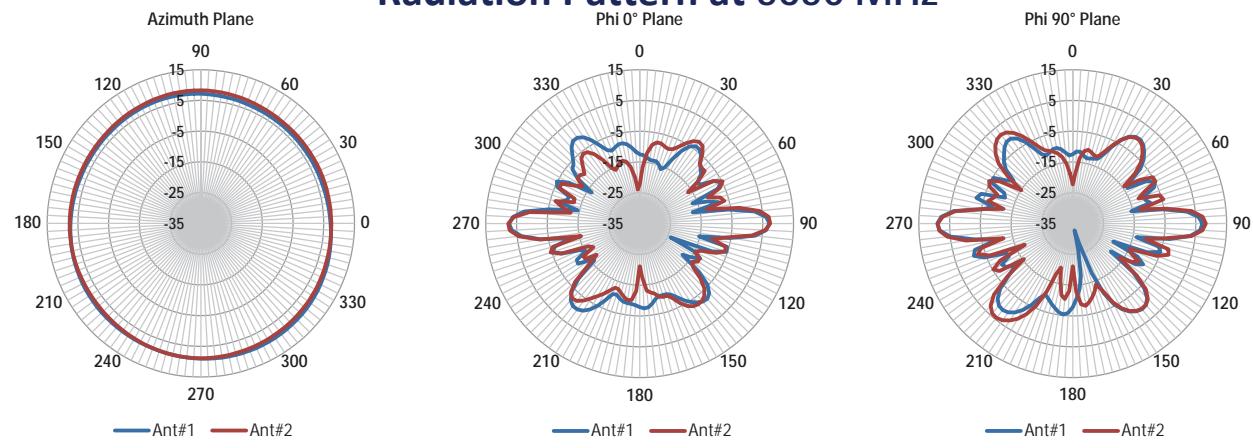


## RADIATION PATTERNS

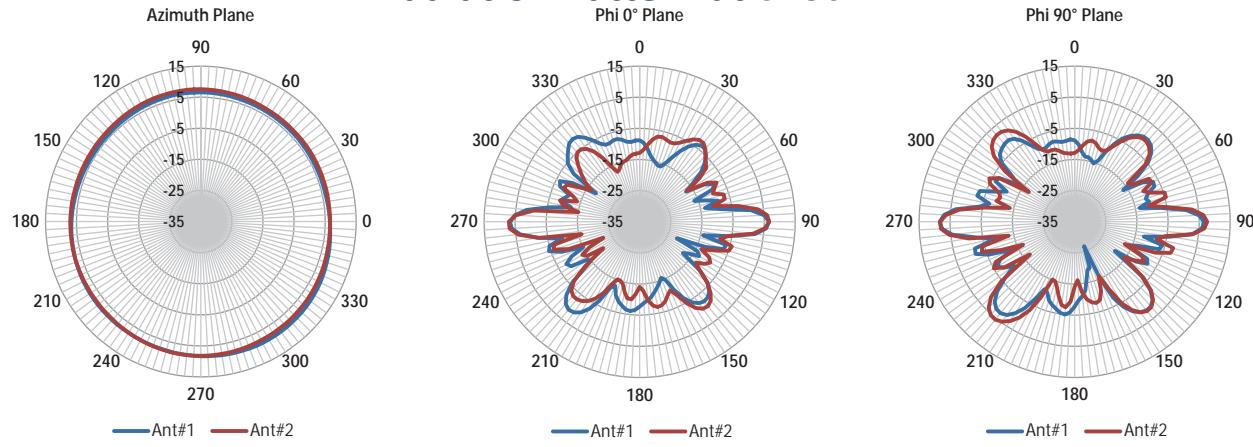
Radiation Pattern at 5550 MHz



Radiation Pattern at 5650 MHz



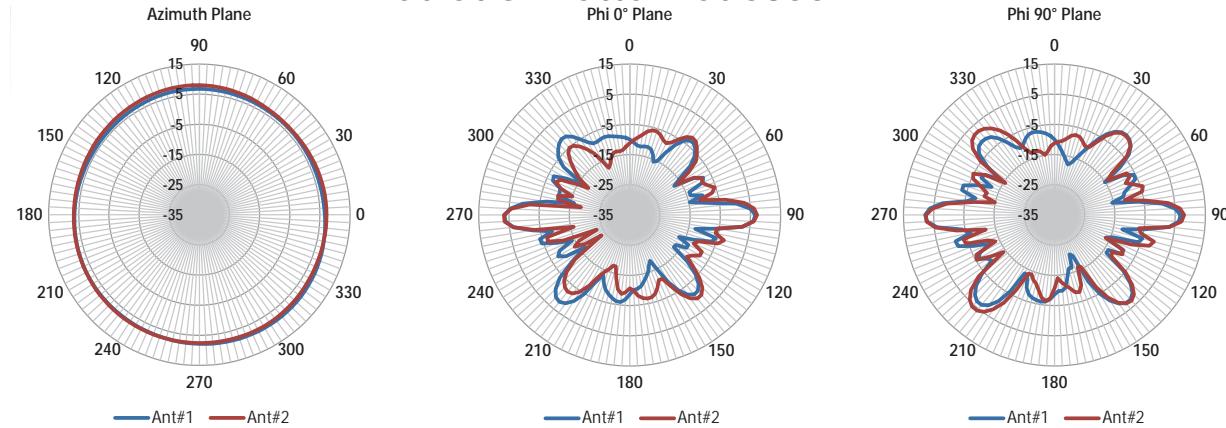
Radiation Pattern at 5780 MHz



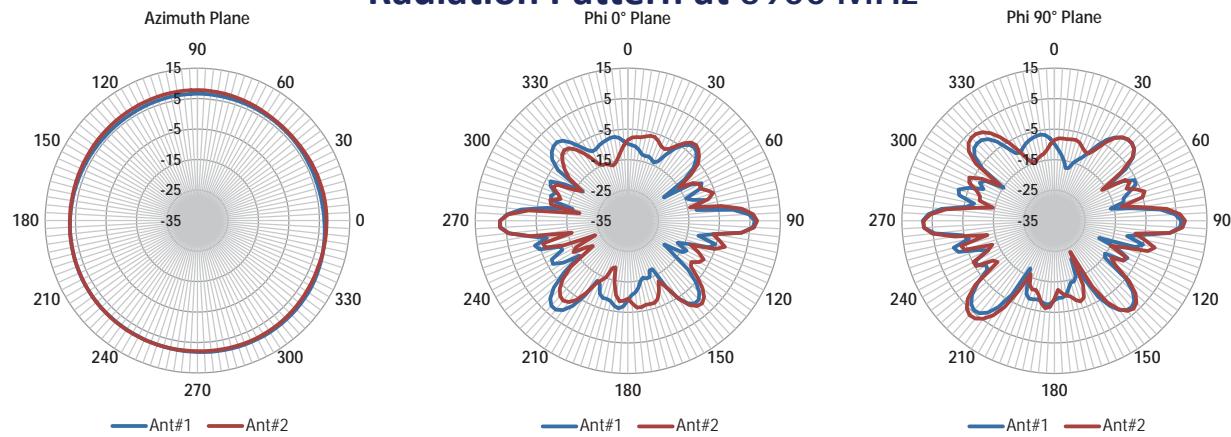
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## RADIATION PATTERNS

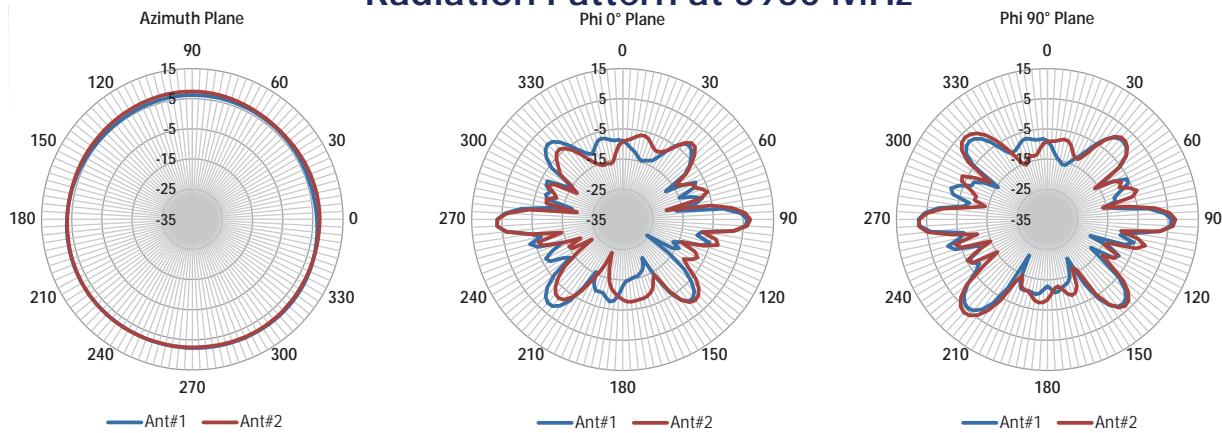
### Radiation Pattern at 5850 MHz



### Radiation Pattern at 5900 MHz



### Radiation Pattern at 5950 MHz



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