

## LTE ANTENNA SPECIFICATION

Frequency	0.694 - 0.96 GHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
Supported LTE/5G bands	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 59, 62, 65, 66, 67, 68, 69, 85, n80, n81, n82, n83, n84, n86, n89, n90, n95
Gain	0.694 - 0.96 GHz : 7 dBi 1.7 - 2.2 GHz : 7 dBi 2.2 - 2.7 GHz : 7 dBi
Front-to-Back	>10 dB
VSWR	<1.70, max <2.00
Beamwidth	70°/70° ±15°
Polarization	Dual polarized X-Pol
Impedance	50 Ω

## WI-FI ANTENNA SPECIFICATION

Frequency	2.40 - 2.50 GHz 4.70 - 6.00 GHz
Gain	2.40 - 2.50 GHz : 6 dBi 4.70 - 6.00 GHz : 7 dBi
VSWR	<1.70, max <2.00
Beamwidth	360°/25° ±5°
Polarization	Vertical
Impedance	50 Ω

## BLUETOOTH ANTENNA SPECIFICATION

Frequency	2.30 - 2.60 GHz
Gain	3 dBi
VSWR	<1.70, max <2.00
Beamwidth	360°/25° ±5°
Polarization	Vertical
Impedance	50 Ω

## MECHANICAL SPECIFICATION

Materials	ABS, aluminum, PTFE, Fiberglass
Connector type	RJ45

## MECHANICAL SPECIFICATION

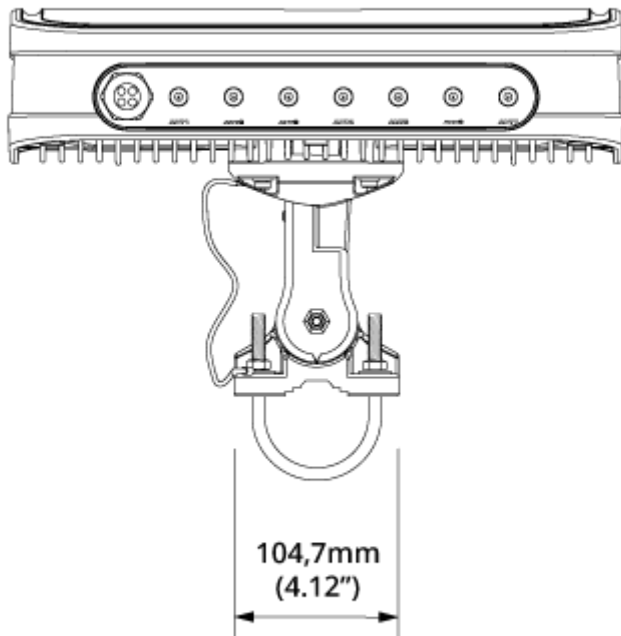
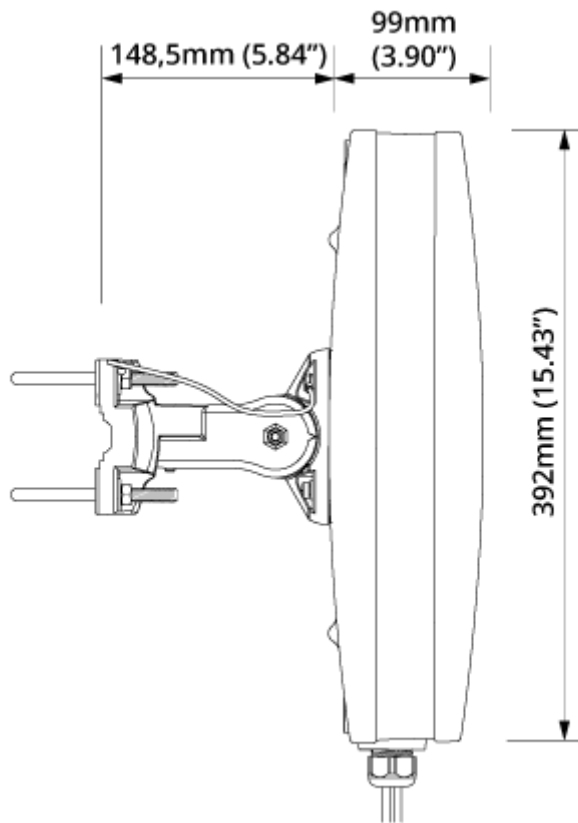
Ingress protection IP67

Dimensions 392 x 392 x 99 mm  
15.43 x 15.43 x 3.90 inch

Weight 3.7 kg  
8.16 lbs

Operating temperature From -40°C to 75°C  
From -40°F to 167°F





## FREQUENCY BANDS

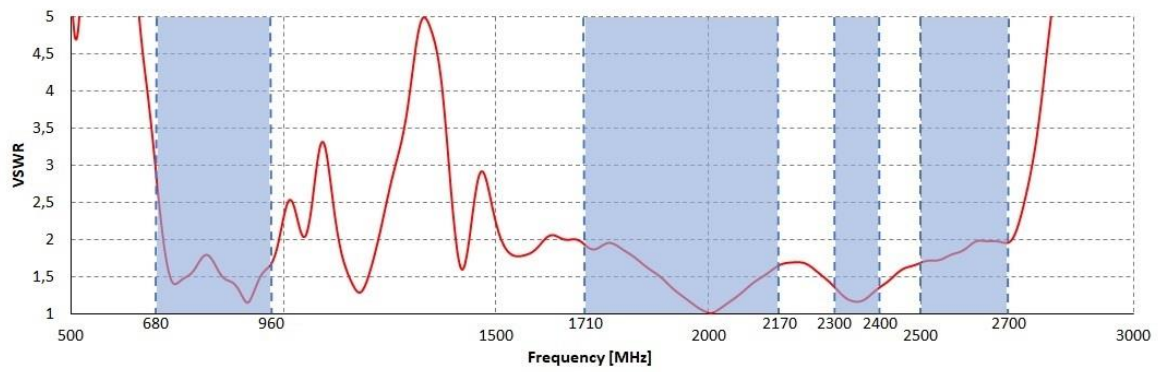
680 MHz 568 1213 1417 1819 2026 2728 2944 676 885 n81 n82 n83 n89 960 MHz

1710 MHz 1234 910 253 334 353 637 395 962 n80 n84 n86 n95 2170 MHz

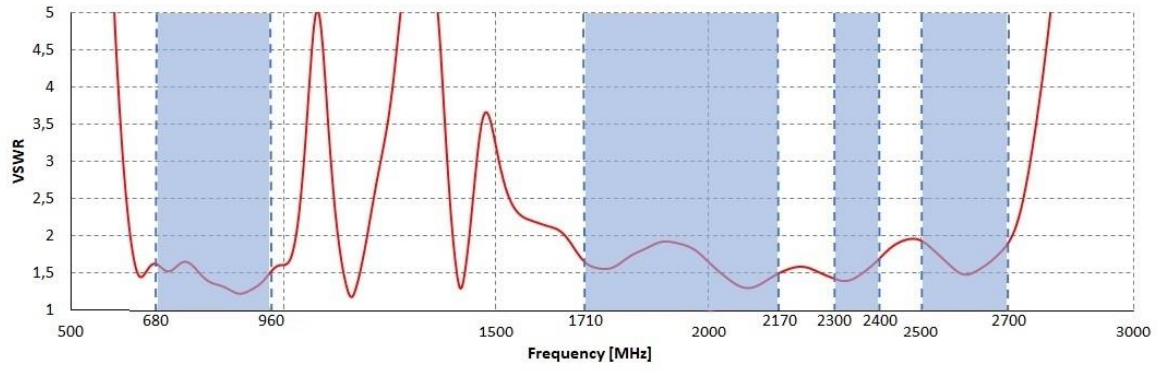
2300 MHz 3040 2400 MHz

2400 MHz 738 415 369 n90 2700 MHz

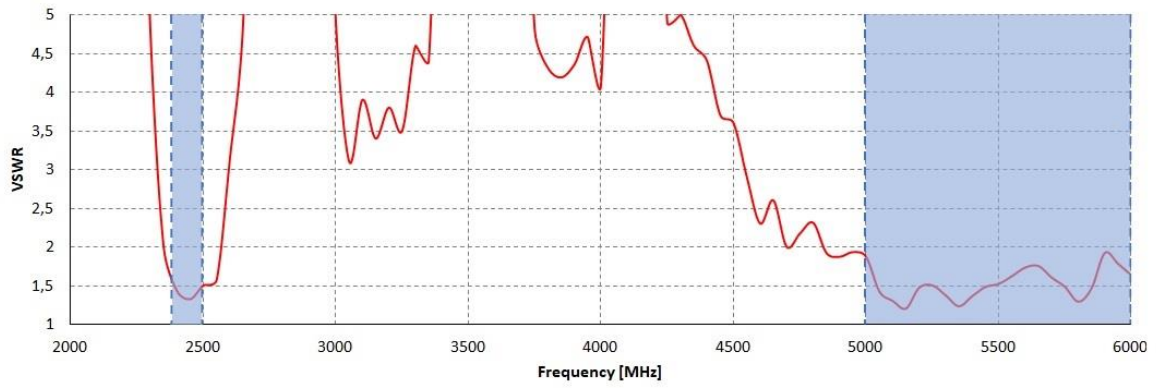
### VSWR for LTE antenna PORT 1



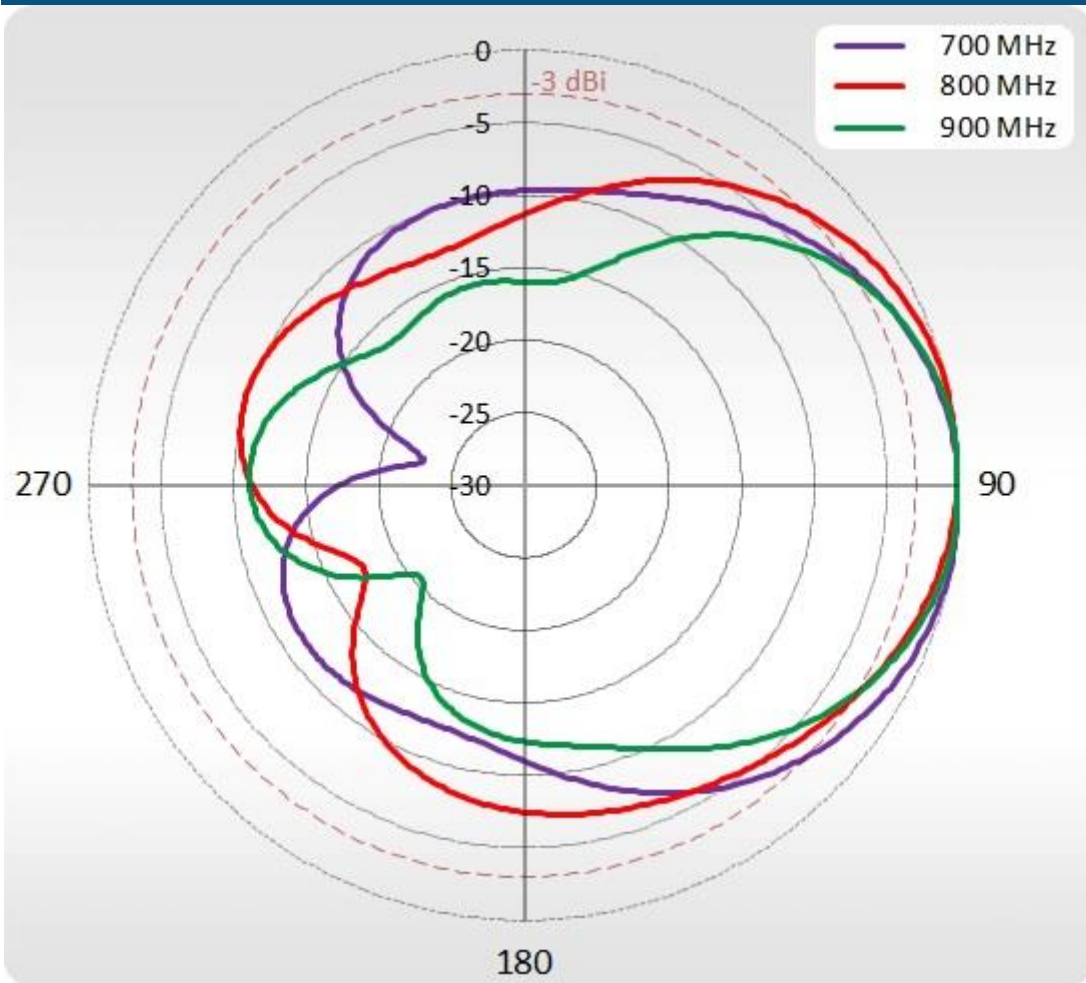
### VSWR for LTE antenna PORT 2



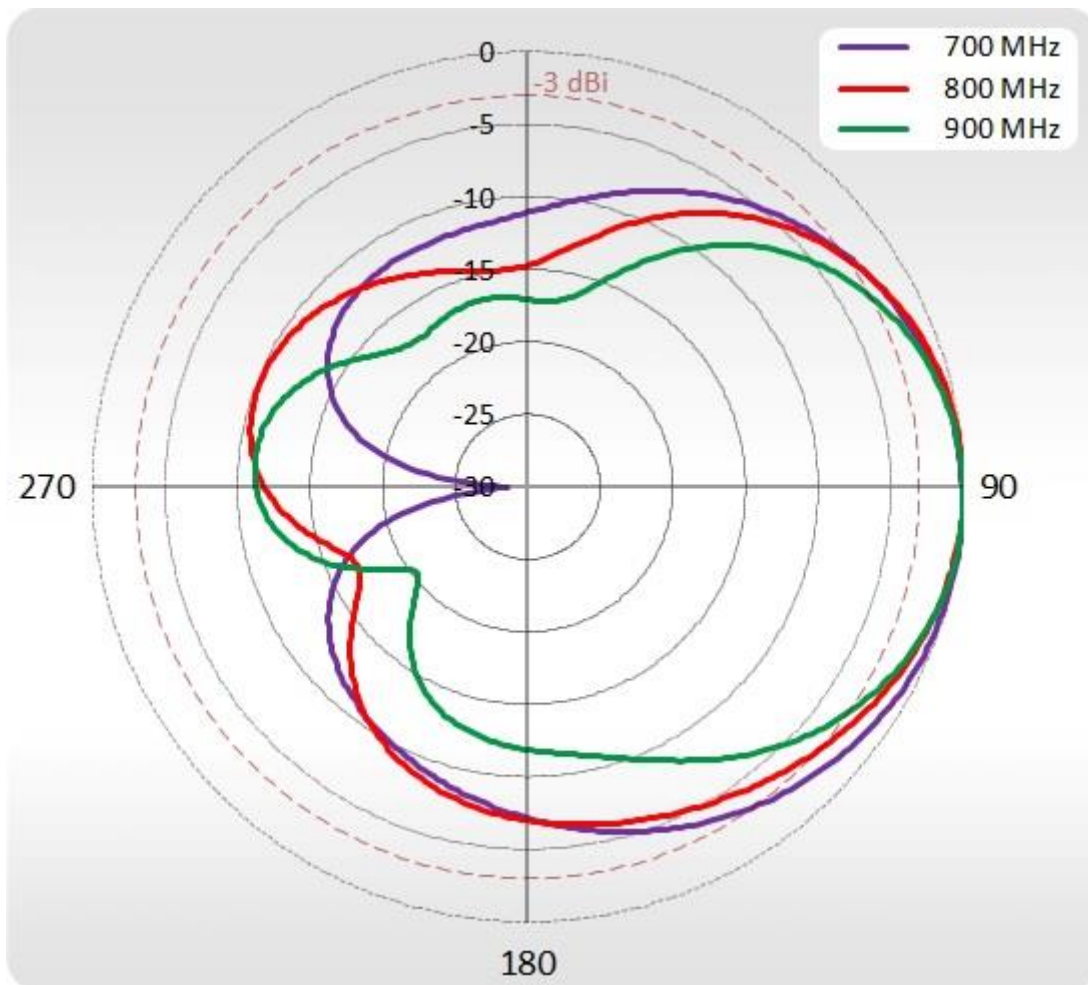
### VSWR for Wi-Fi antenna



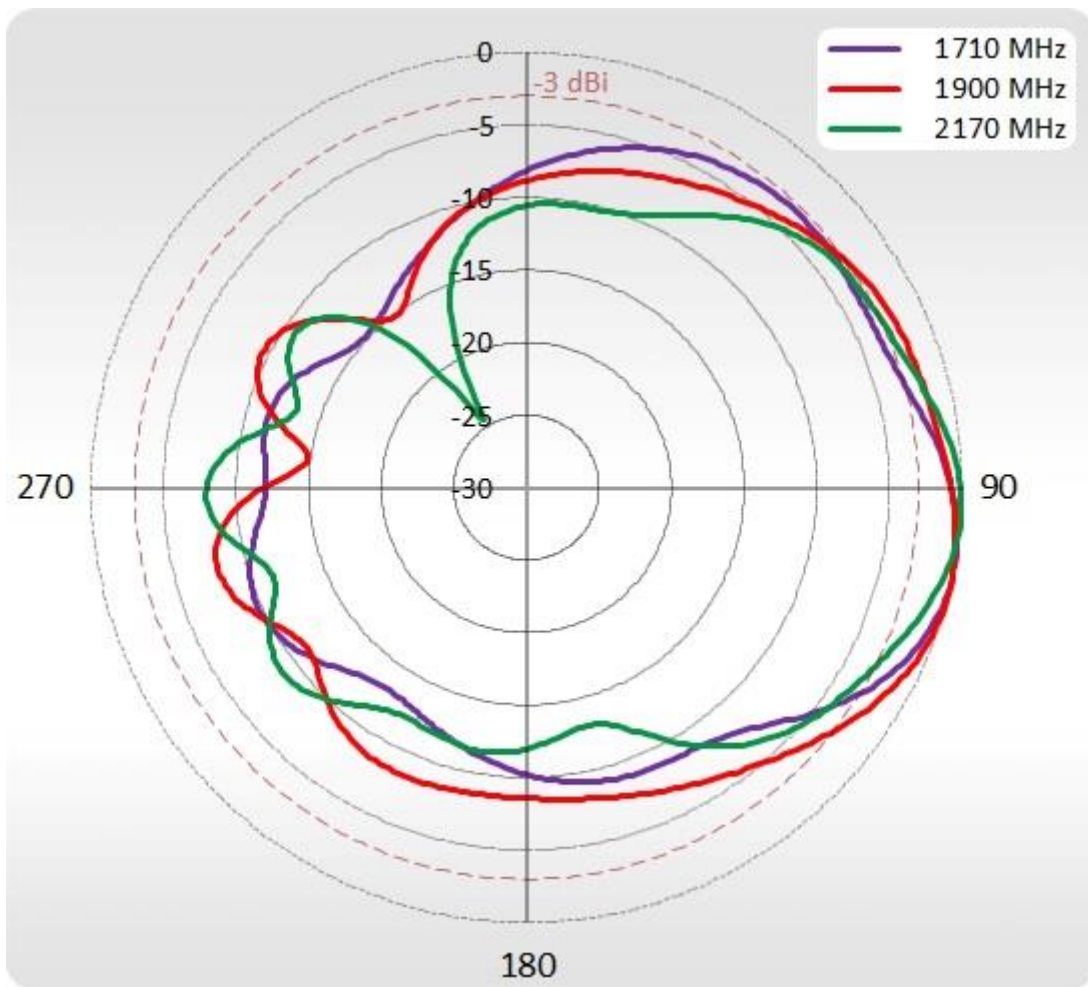
## PORT 1 700-900 MHz Azimuth



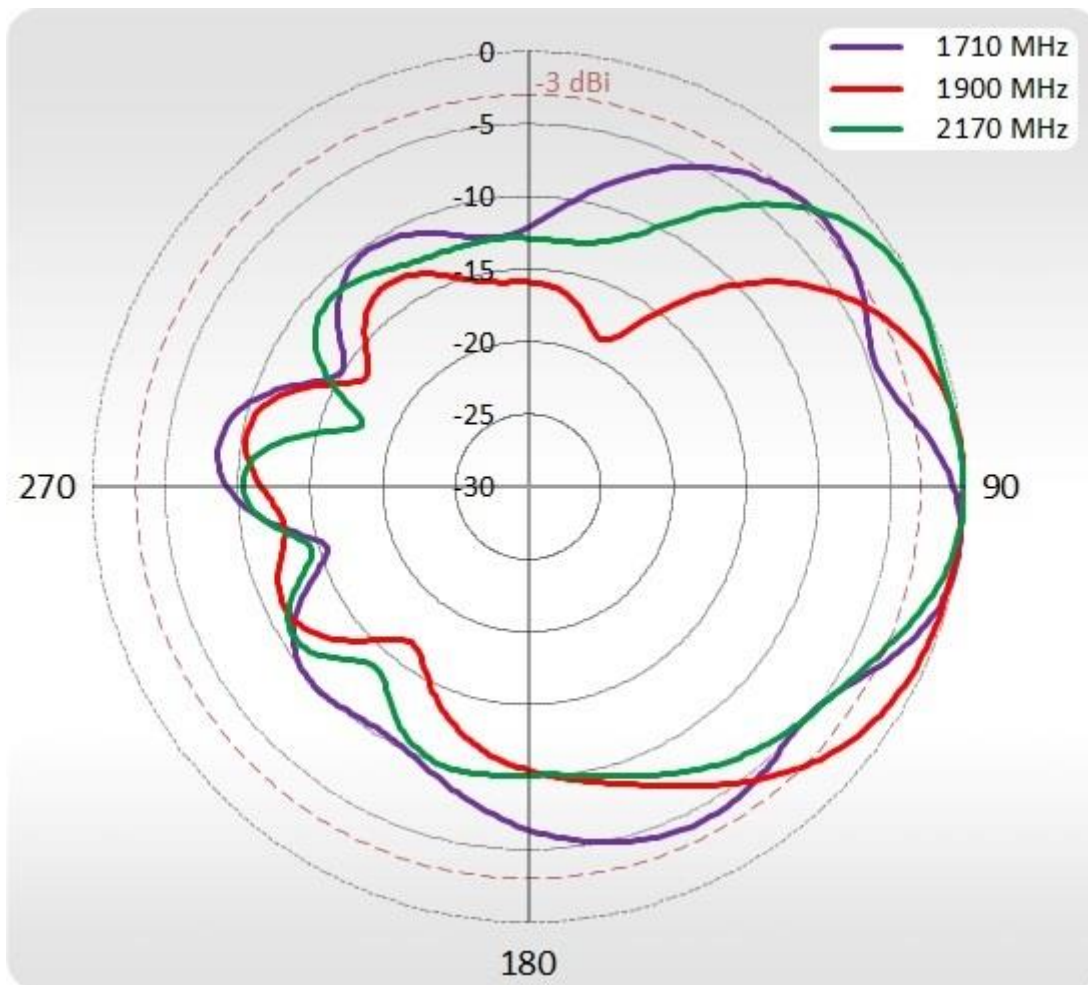
## PORT 1 700-900 MHz Elevation



**PORT 1 1710-2170 MHz Azimuth**

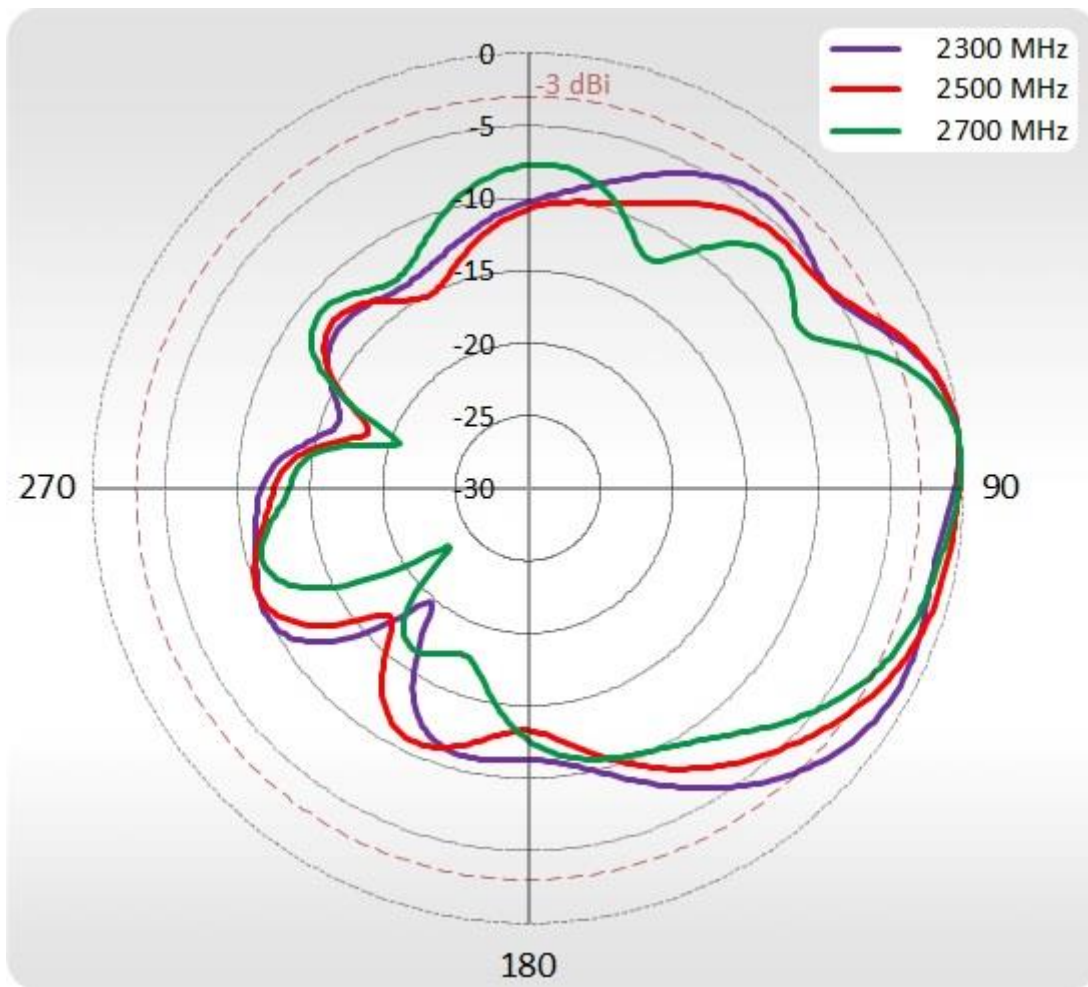


**PORT 1 1710-2170 MHz Elevation**

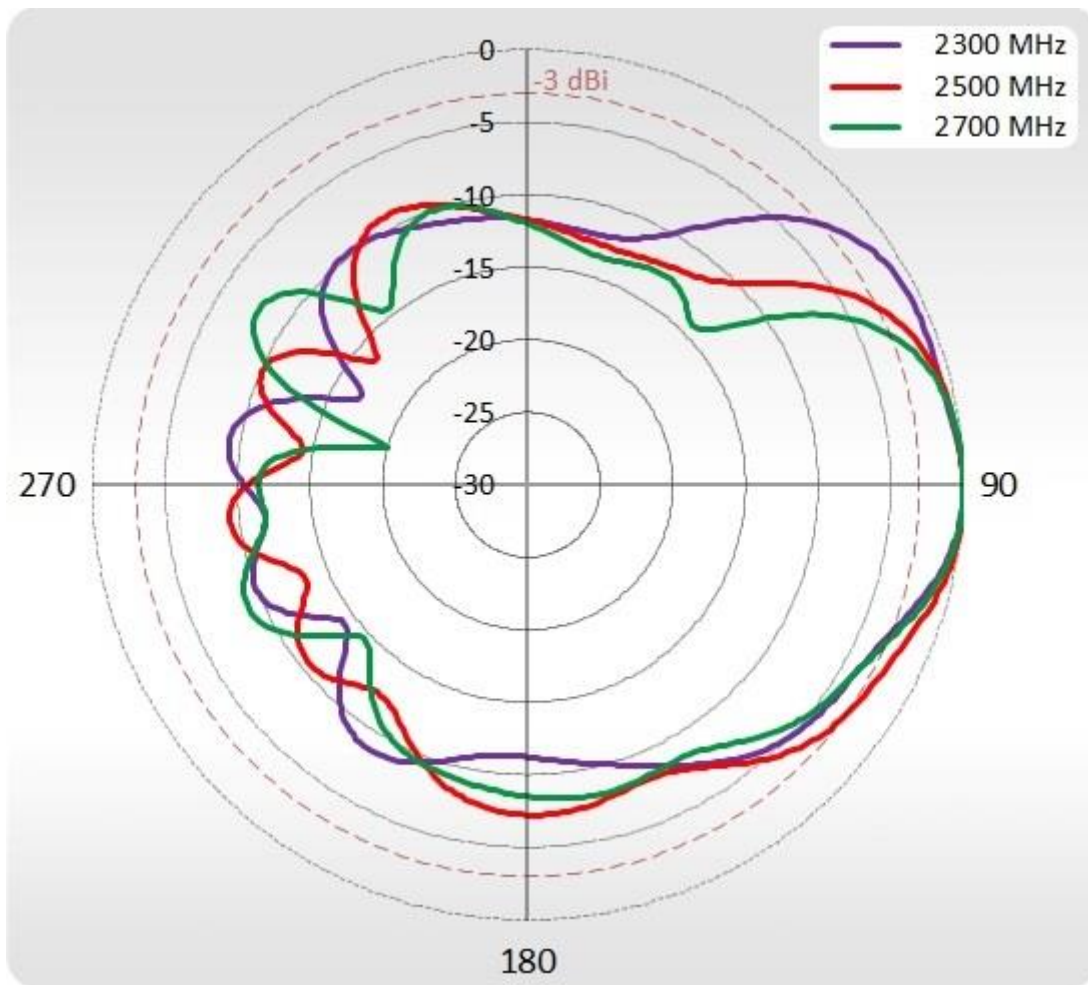


**PORT 1 2300-2700 MHz Azimuth**

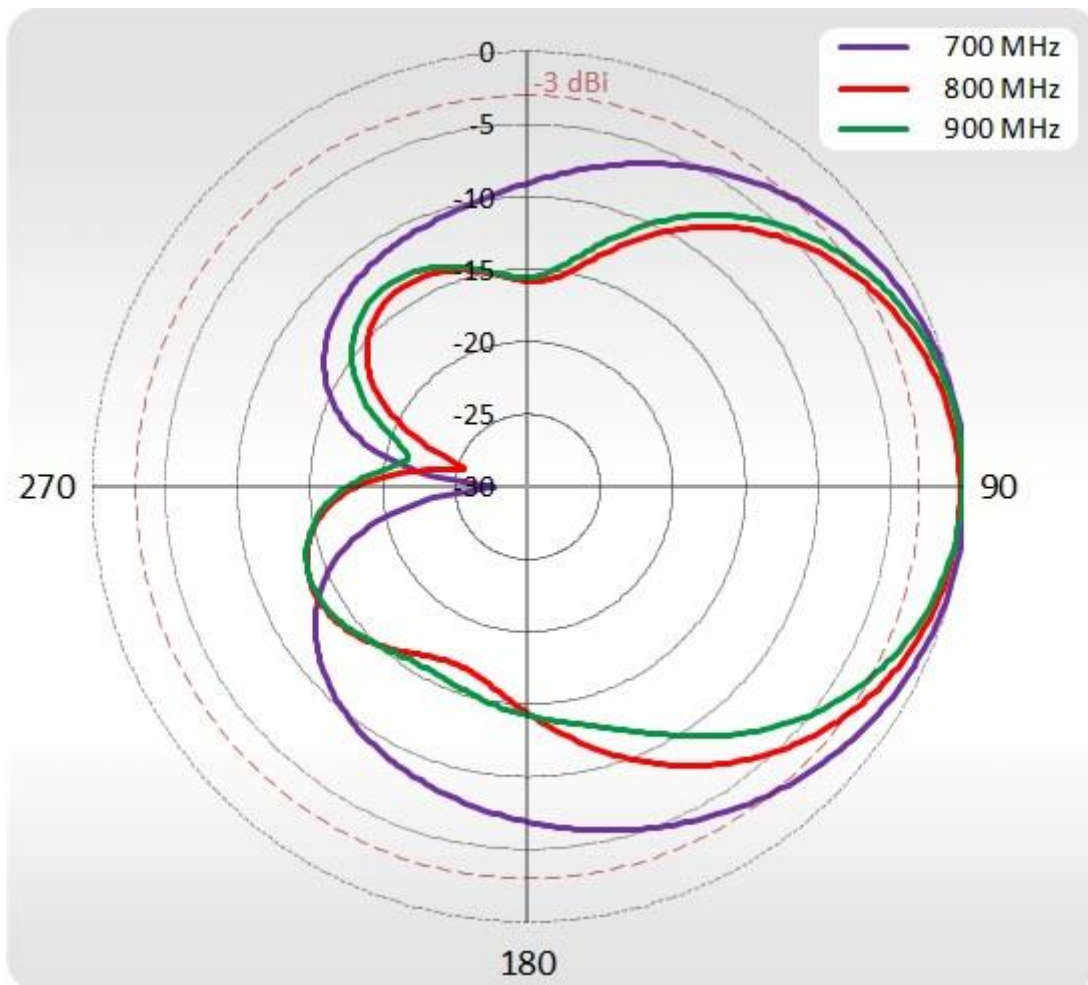




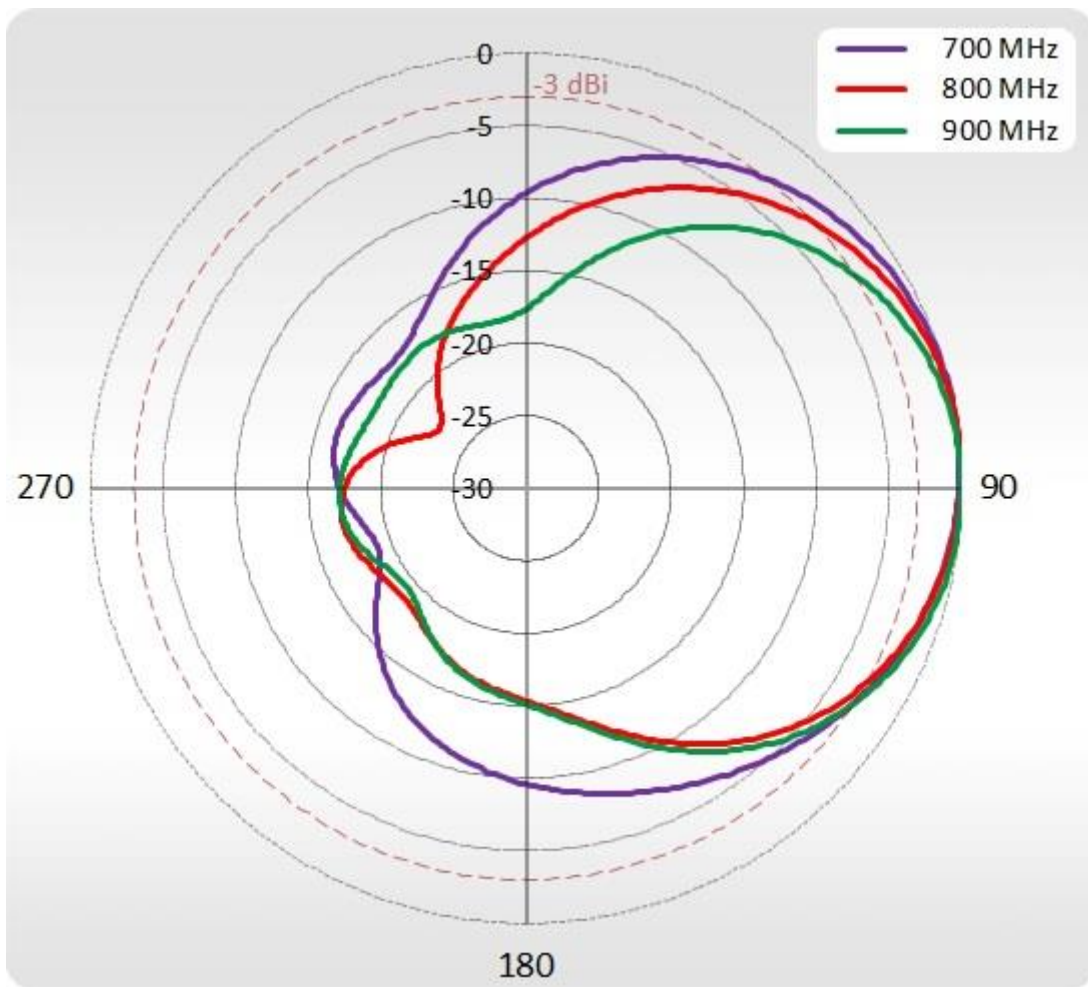
**PORT 1 2300-2700 MHz Elevation**



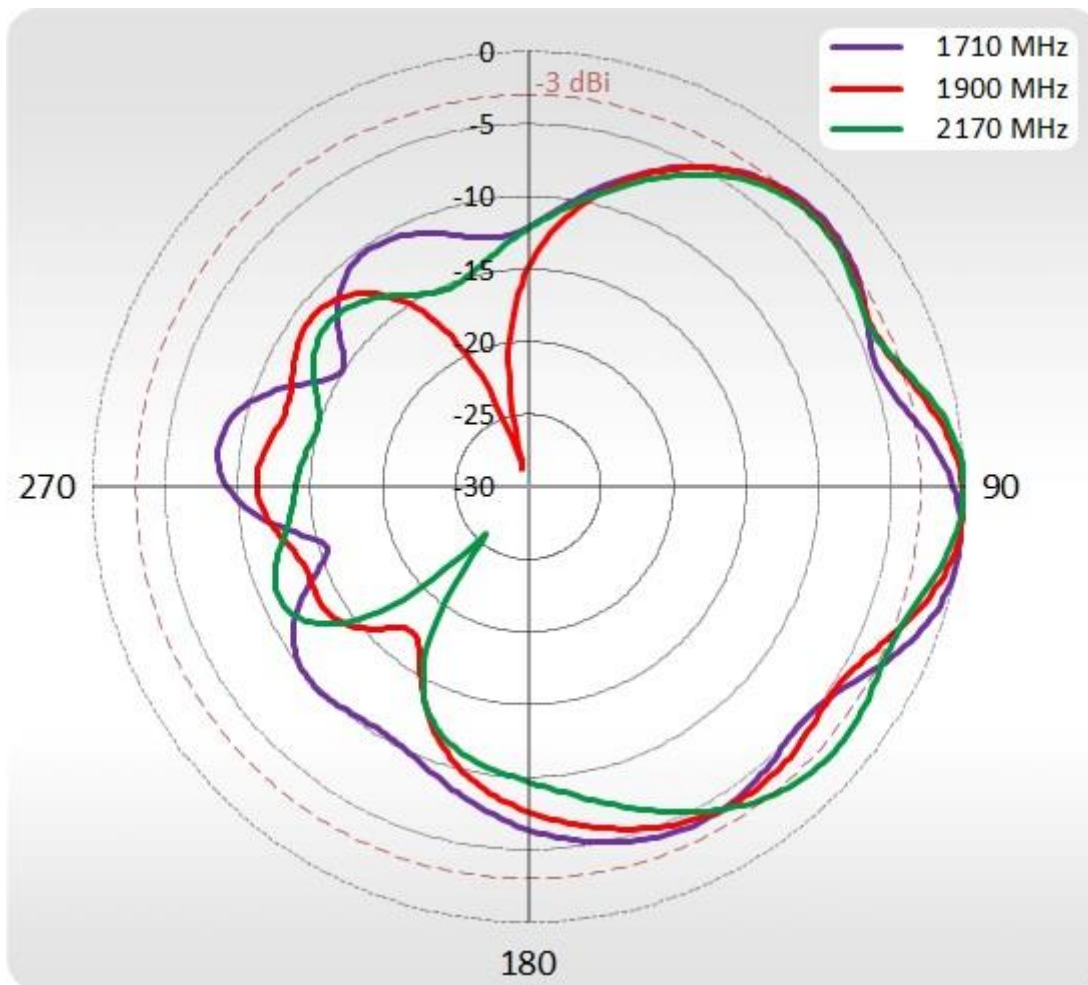
**PORT 2 700-900 MHz Azimuth**



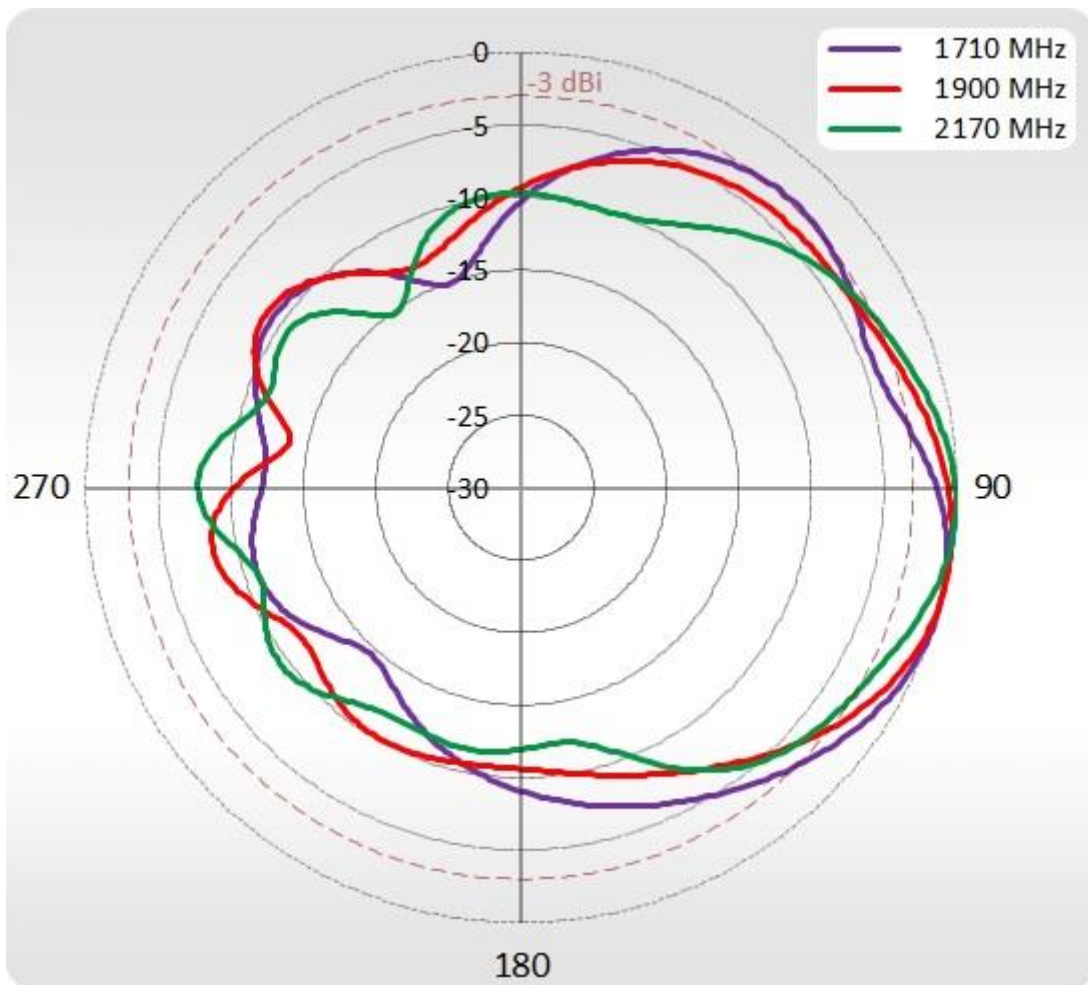
**PORT 2 700-900 MHz Elevation**



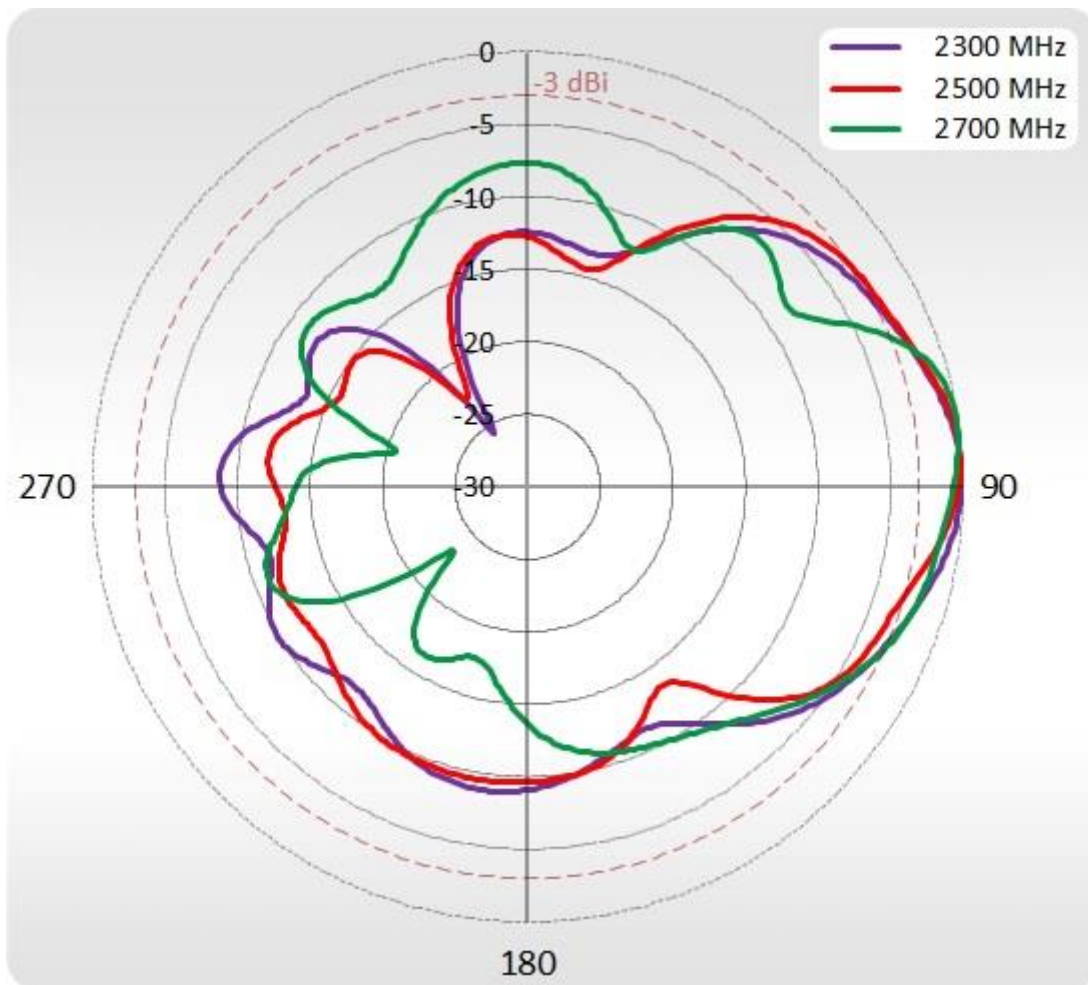
**PORT 2 1710-2170 MHz Azimuth**



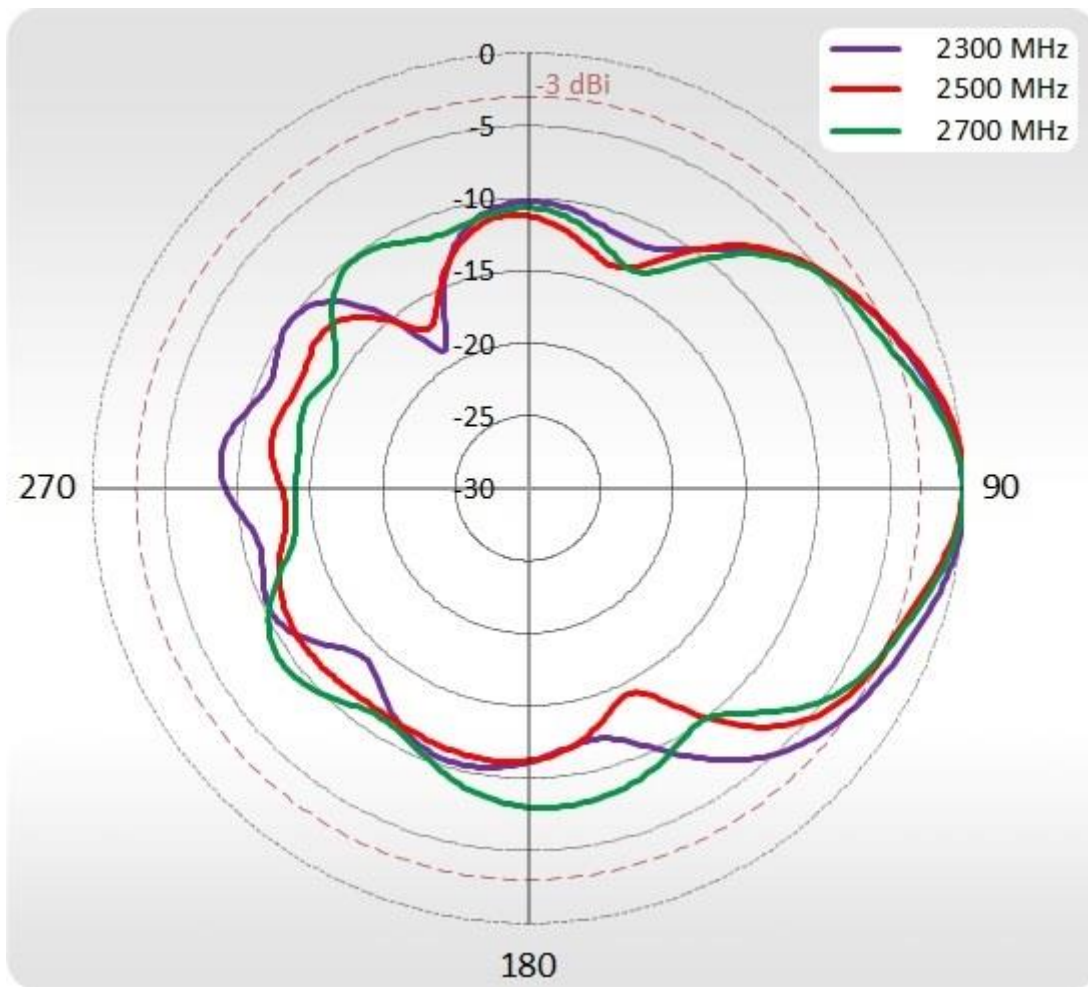
**PORT 2 1710-2170 MHz Elevation**



**PORT 2 2300-2700 MHz Azimuth**

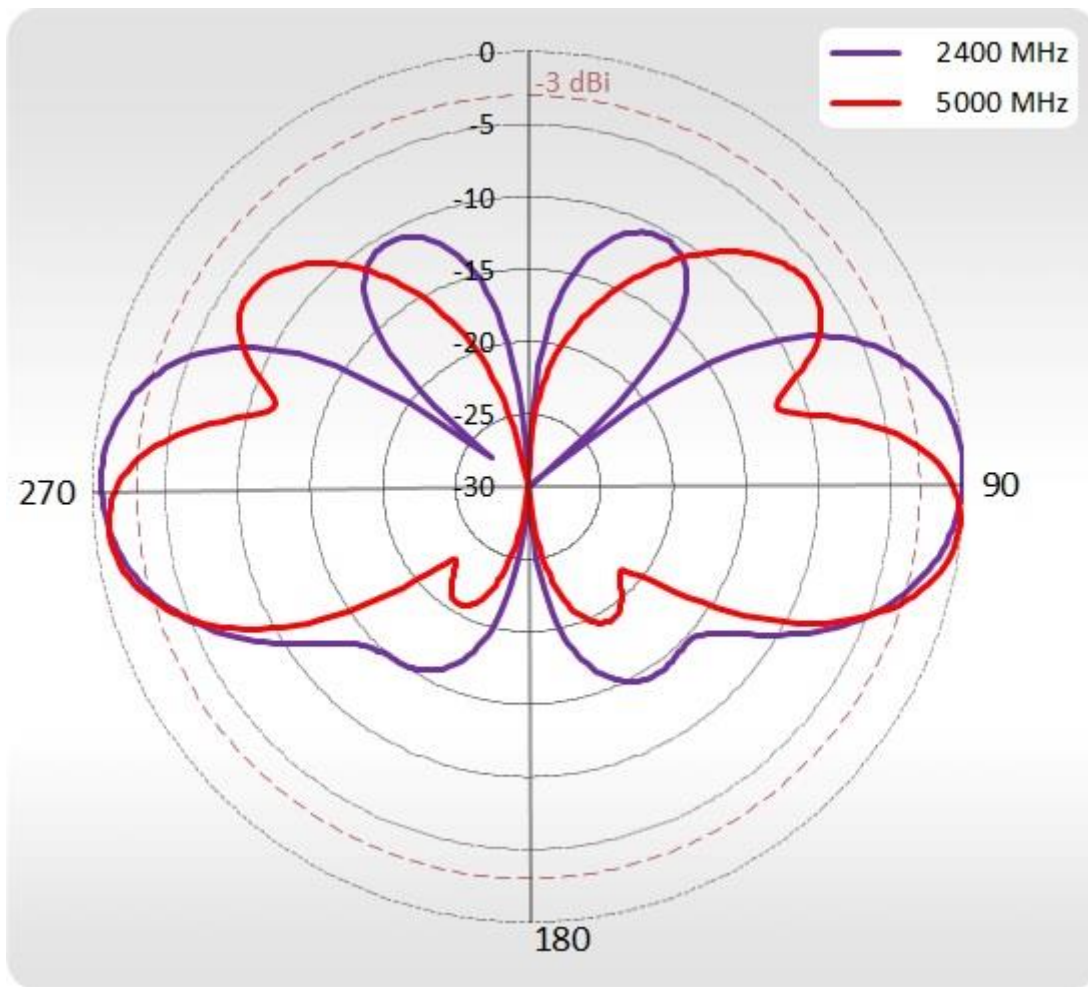


**PORT 2 2300-2700 MHz Elevation**



**Wi-Fi Azimuth**





## Wi-Fi Elevation

