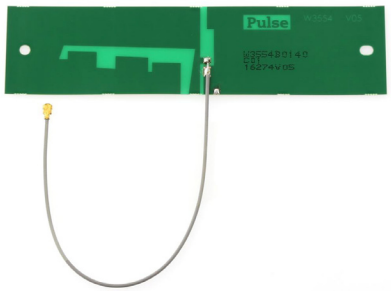
Internal
5G/4G PCB Antenna with Cable Assembly

W3554xxxxx - 698 to 6000 MHz



Applications:

- *Coaxial cable feed*
- *Multiple cable lengths and connector options (U-FL, SMA, MMCx and custom)*
- *2G/3G/4G/5G*
- *GNSS*
- *WiFi, Bluetooth, BLE, Zigbee*
- *ISM 868, 915, 2400, 5000MHz*

Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C[1]					
Frequency Bands: 698-960/1400-1600/1710-2690/3300-3800/4900-6000 MHz					
Antenna Type	**Nominal Impedance**	**Return Loss**	**Radiation Pattern**	**Polarization**	**Power Withstanding**
Monopole	50Ω	per below	Omni	Linear	5W

Frequency	**698-960 MHz**	**1400-1600 MHz**	**1710-2690 MHz**	**3300-3800 MHz**	**4900 - 6000 MHz**
Return Loss	-4 dB	-3 dB	-6 dB	-5 dB	-4 dB
Peak Gain	1.9 dBi	2.5 dBi	3.2 dBi	3.3 dBi	3.5 dBi
Average Efficiency	45%	53%	66%	57%	37%

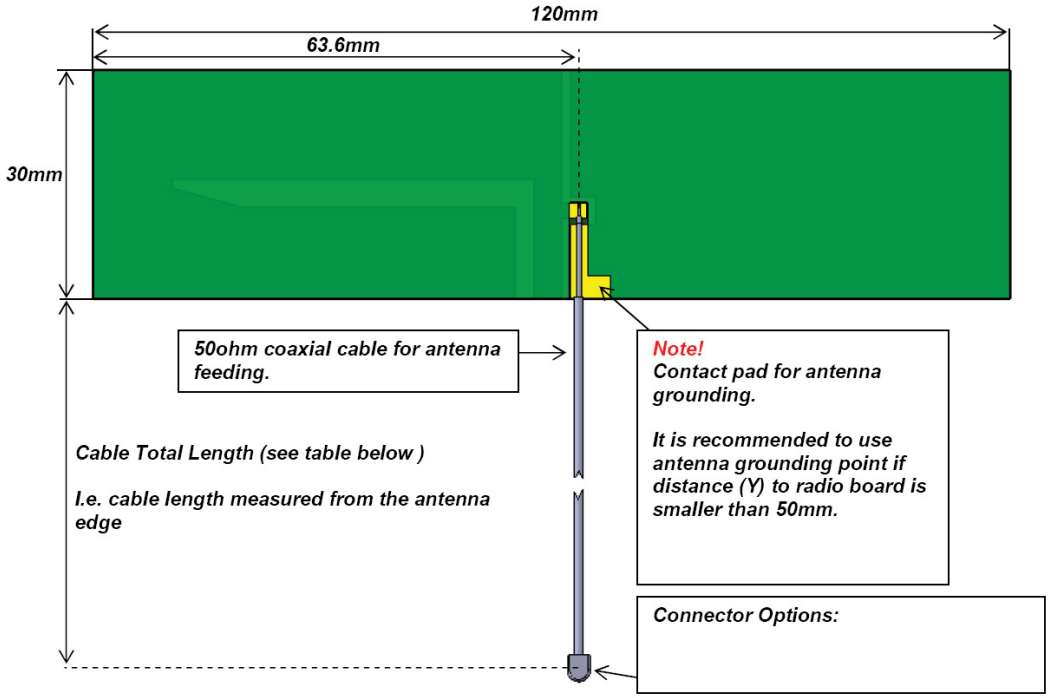
Mechanical Specifications			
Orderable PN: W3554xxxx (per below cable and connector options)			
Size (L x W x H)		**Color**	**Weight**
30 x 120 x 0.2 mm		Green PCB	1.5 grms
Part Number	**Cable Length (mm)**	**Cable OD (mm)**	**Connector Type**
W3554B0140	143	1.13	U.FL Compatible
W3554B0140T	143	1.13	U.FL Compatible with ADH
W3554B0170	170	1.13	U.FL Compatible
W3554B0293	293	1.13	U.FL Compatible
W3554E0193	193	1.13	Right angle MMCX male
W3554G0100	100	1.13	SMA male
W3554G0254	254	1.13	SMA male
W3554G0384	384	1.37	SMA male
W3554G0457	457	1.13	SMA male
W3554K0153	153	1.37	Right angle SMA male

Notes:

1. Storage Temperature: -40°C to 85°C
2. Other connector types and custom cable lengths are available upon request

Mechanical

W3554xxxxx



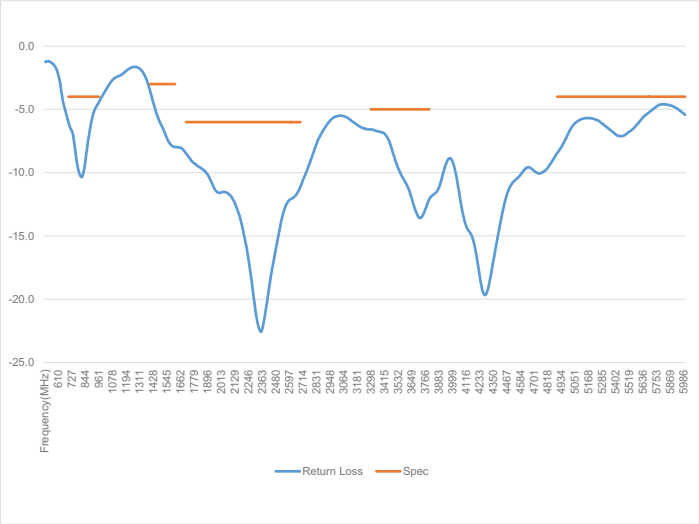
Packaging Info:
5PCS/PE bag
20PCS PE bag/Foam bag
10PCS foam bag/Carton box
Total: 1000PCS/Carton box



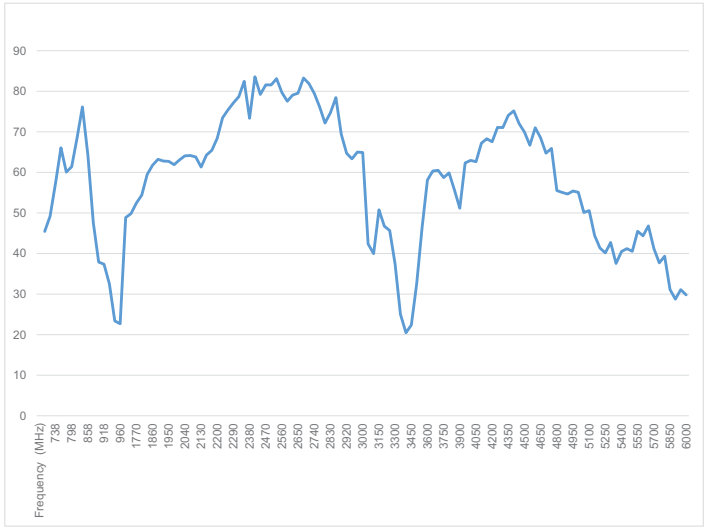
Charts

W3554xxxxx

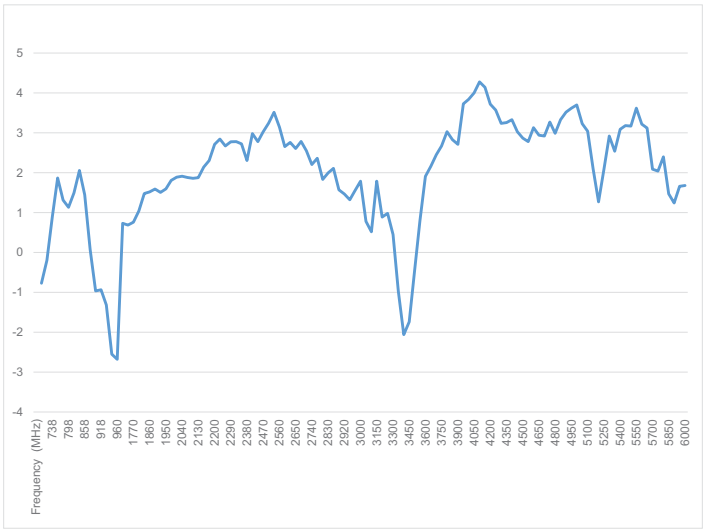
Return Loss



Efficiency (%)



Peak Gain (dBi)

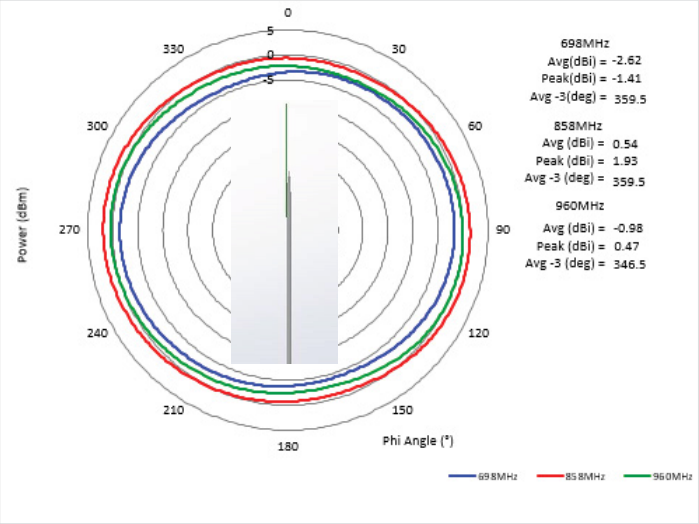


Charts

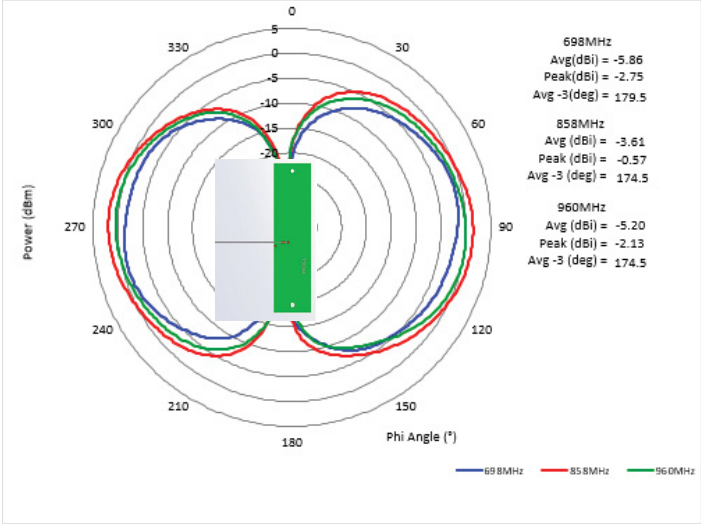
698MHz - 960MHz

Free Space Radiation Pattern

Horizontal Plane



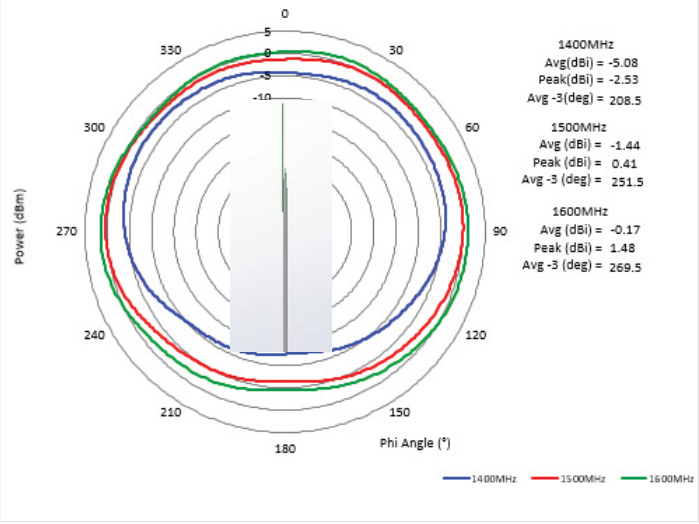
Elevation Plane



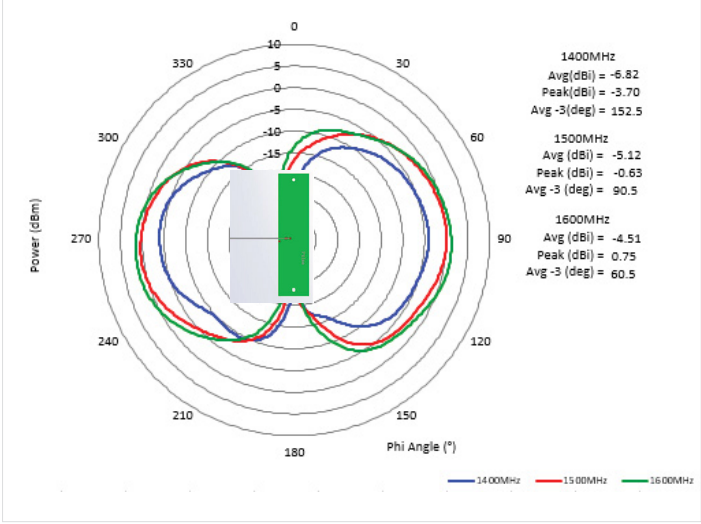
1400MHz - 1600MHz

Free Space Radiation Pattern

Horizontal Plane



Elevation Plane

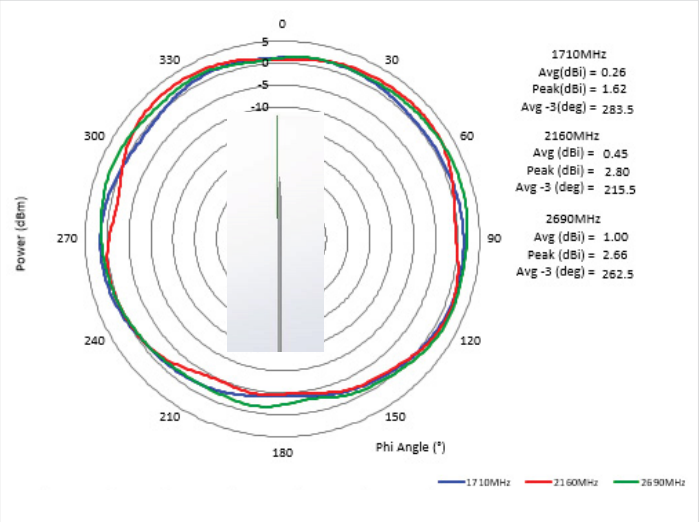


Charts

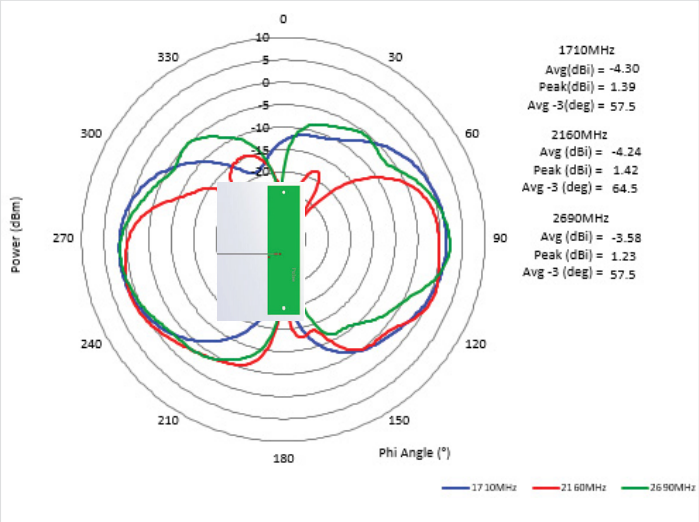
1710MHz - 2690MHz

Free Space Radiation Pattern

Horizontal Plane



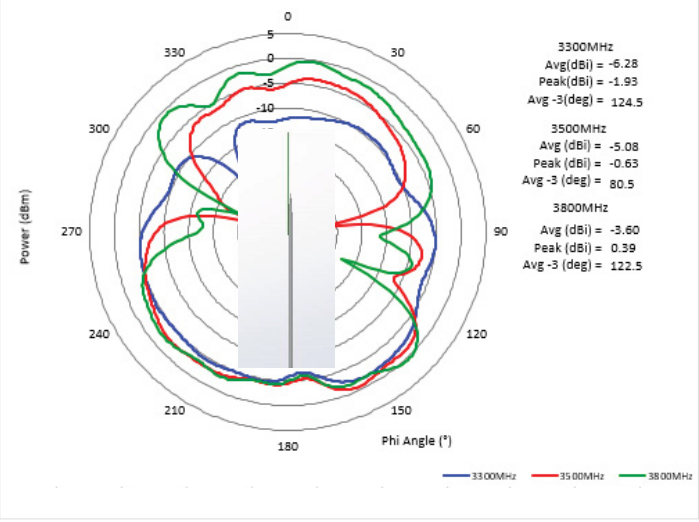
Elevation Plane



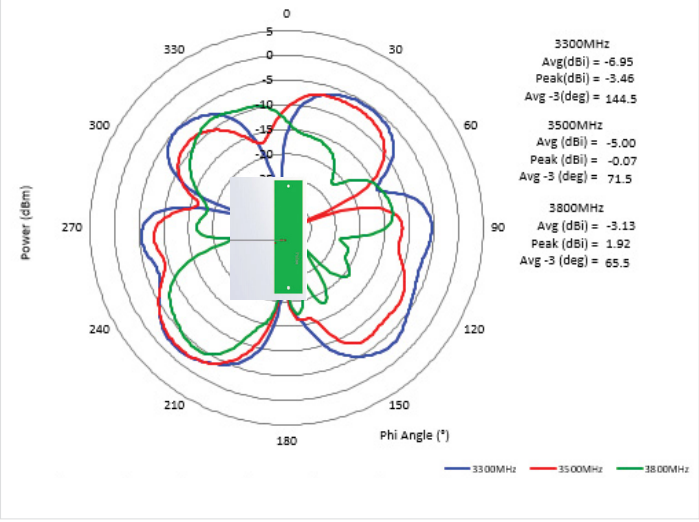
3300MHz - 3800MHz

Free Space Radiation Pattern

Horizontal Plane



Elevation Plane



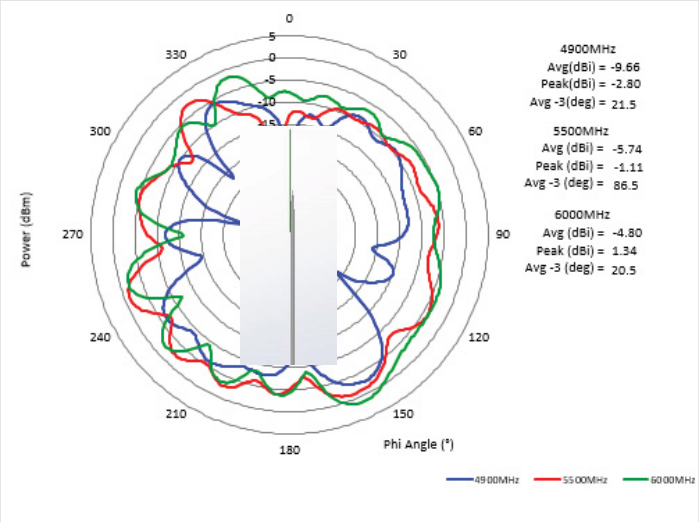
Internal
5G/4G PCB Antenna with Cable Assembly
W3554xxxxx - 698 to 6000 MHz

Charts

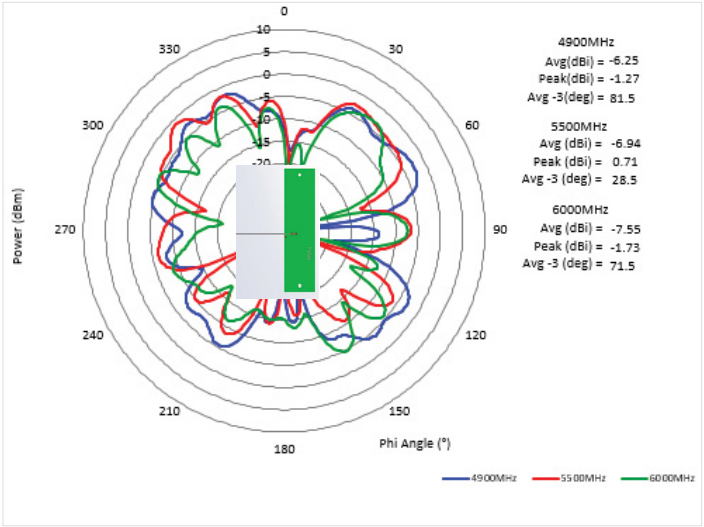
4900MHz - 6000MHz

Free Space Radiation Pattern

Horizontal Plane



Elevation Plane



For More Information:

Americas - antennas.us@pulseelectronics.com | **Europe -** antennas.eu@pulseelectronics.com | **Asia -** antennas.as@pulseelectronics.com | **Questions?** +1-800-ANTENNA

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