



Concentric Technology Solutions Inc

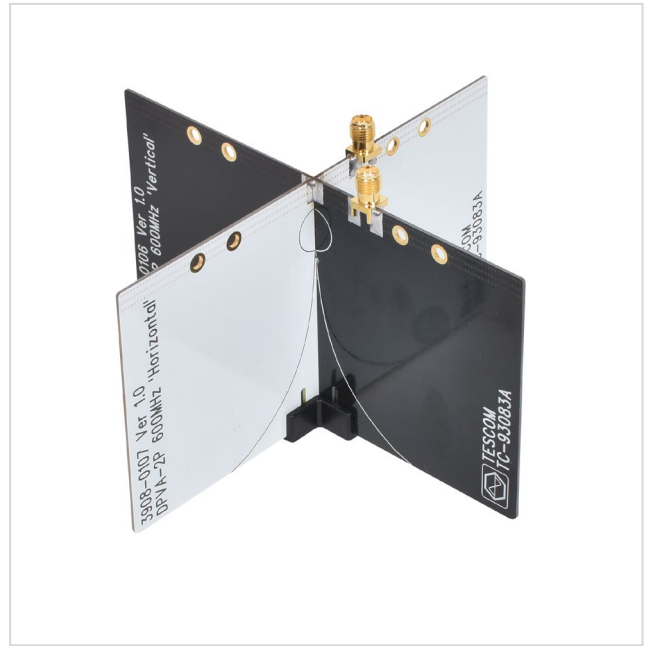
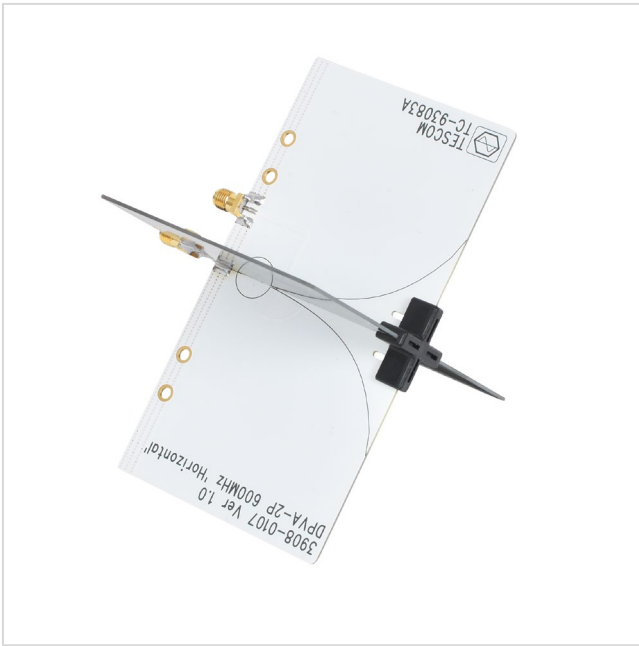
Solutions for the Wireless Industry

TC-93083A

Dual Polarized Vivaldi Antenna

Data Sheet

TC-93083A Dual Polarized Vivaldi Antenna

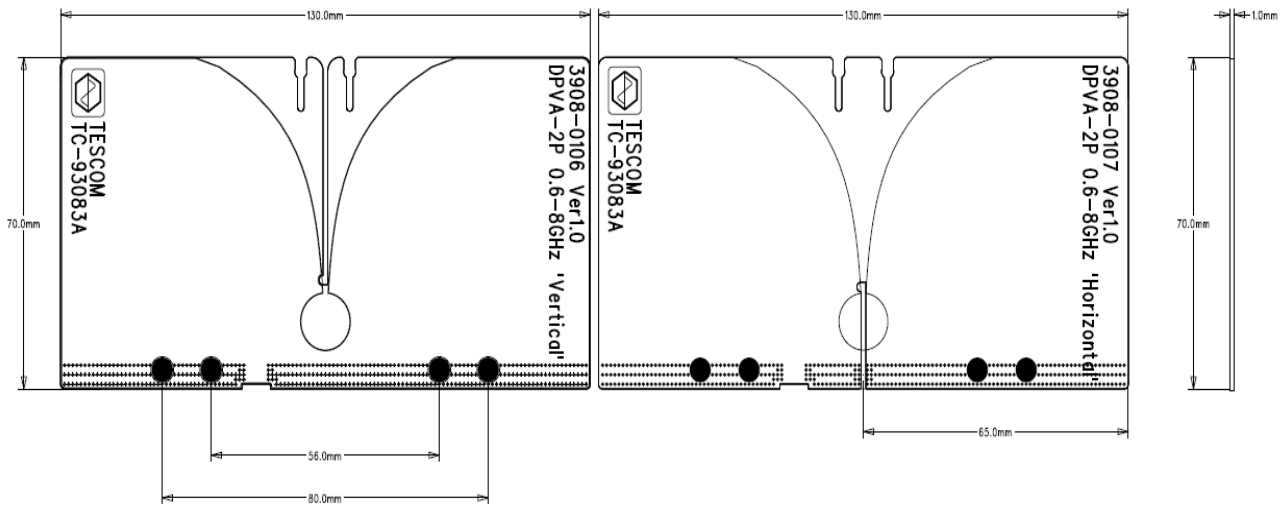


Mechanical Specifications

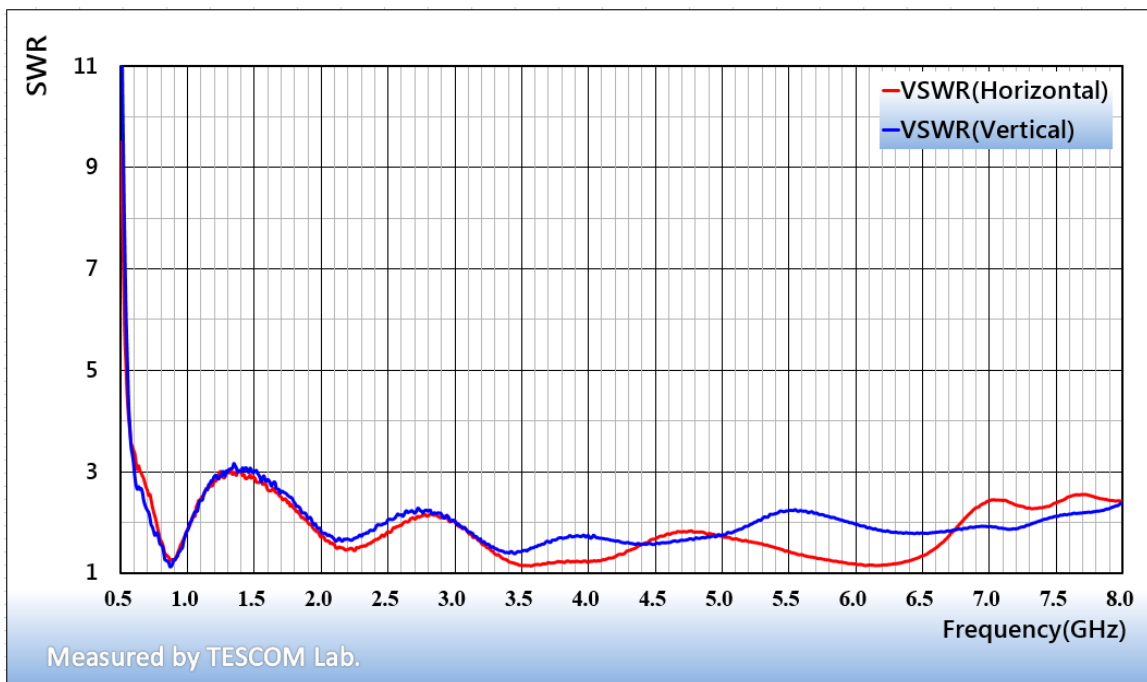
| | |
|-----------------|--|
| Frequency Range | 0.6 GHz ~ 8 GHz |
| RF Connector | SMA (f) |
| Dimension | 130 (W) x 70 (D) x 1 (H) mm (for Each) |
| Terminal | 50 ohm |
| VSWR | < 3.5 @ 0.6 GHz ~ 8 GHz |
| Antenna Type | DPVA (Dual Polarized Vivaldi Antenna) |

Dimensions

130(W)x70(D)x1(H)mm (for Each) [Unit: mm]

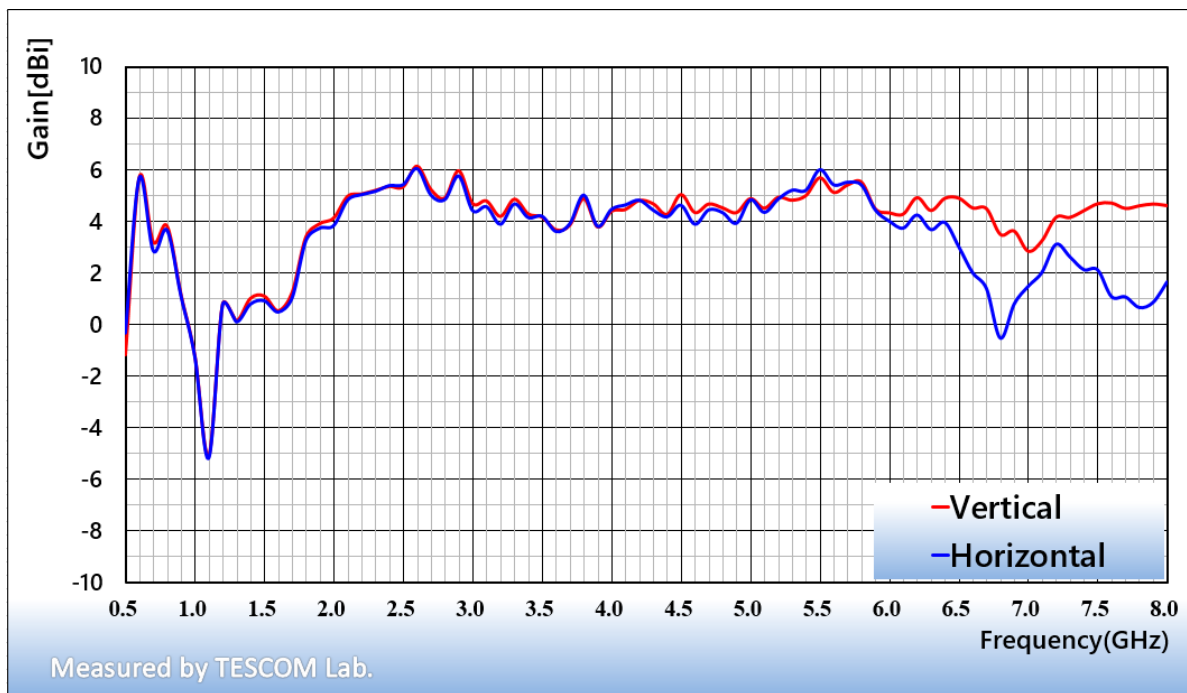


VSWR Data



Graph 1. TC-93083A VSWR

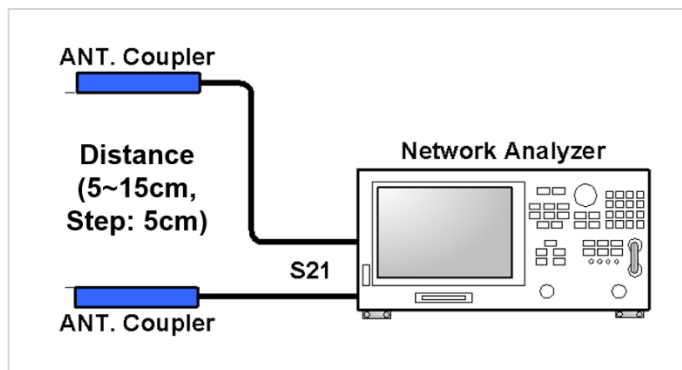
Gain Data (Boresight Gain)

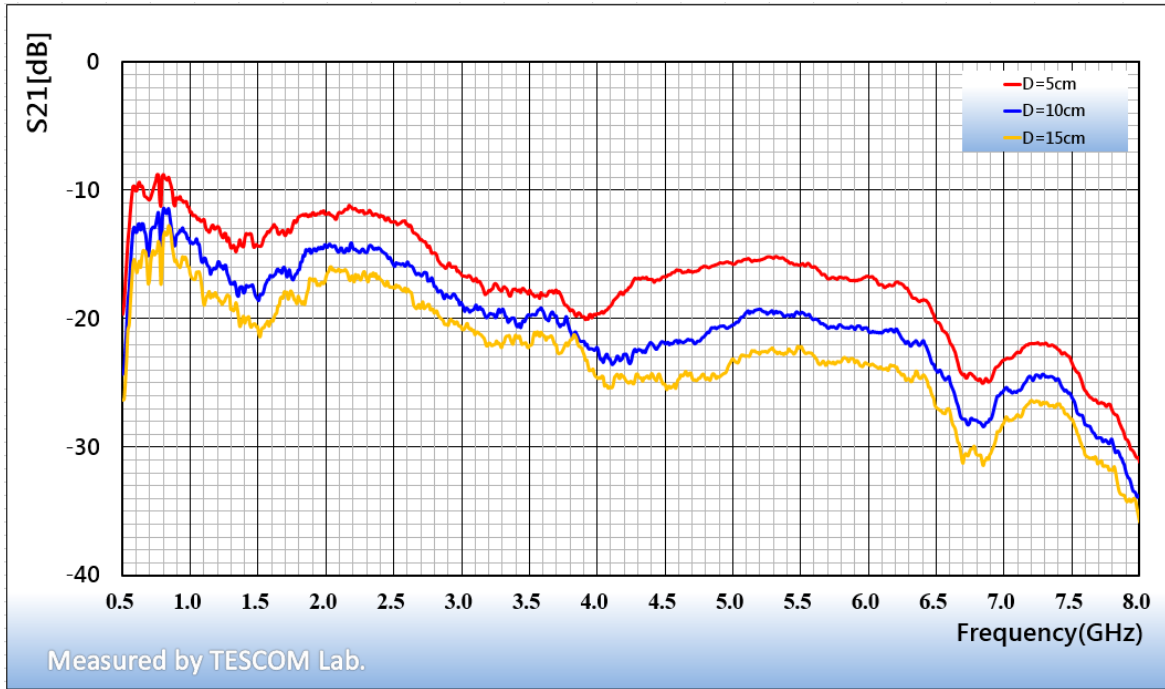


Graph 2. TC-93083A Gain

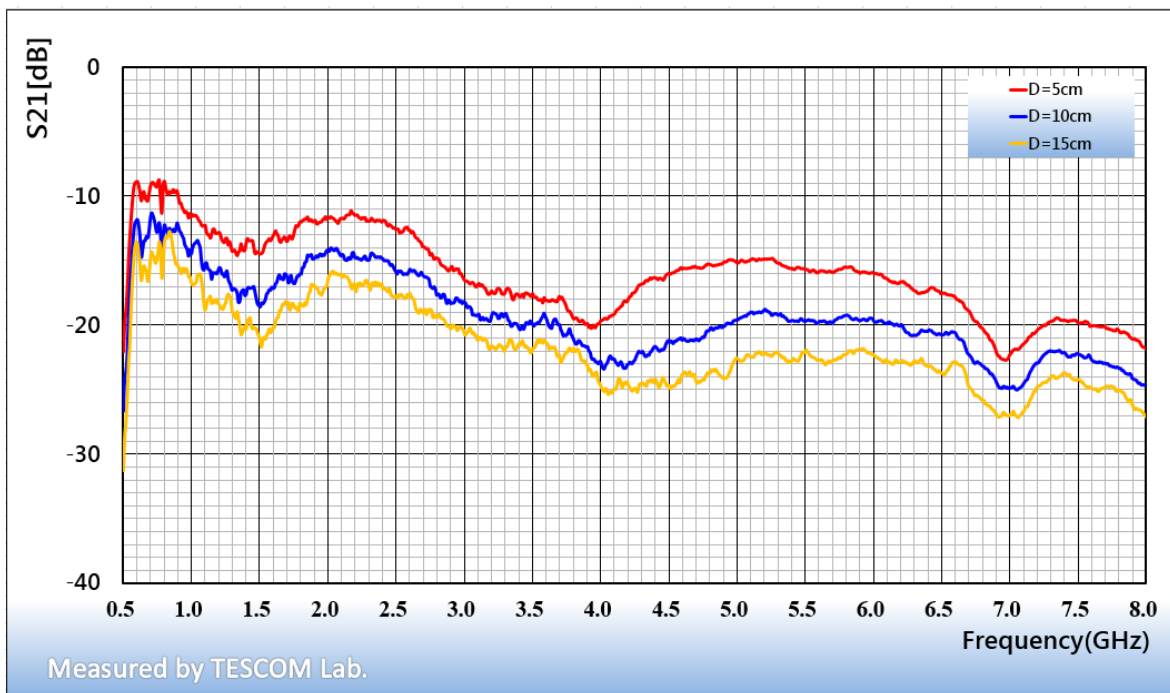
TC-93083A Path Loss

- Measuring Path loss (S21) with the Network analyzer between 2 units of TC-93083A (Distance: 5 ~ 15 cm)
- 1 unit of TC-93083A for Reference, 1 unit of TC-93083A for Inspection.
-



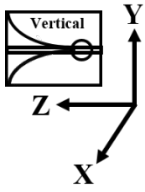


Graph 3. TC-93083A Path-Loss (Horizontal)

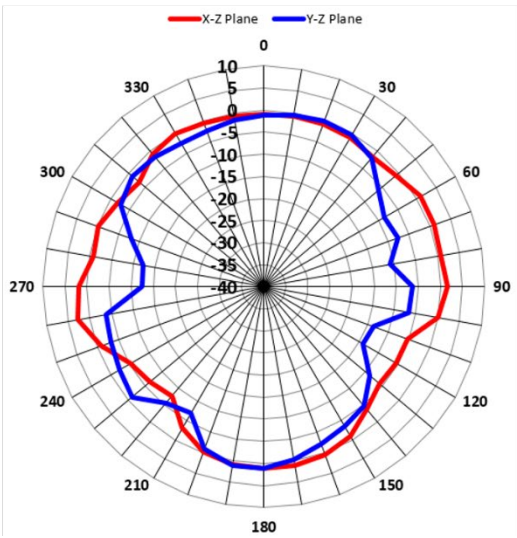


Graph 4. TC-93083A Path-Loss (Vertical)

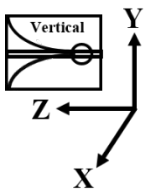
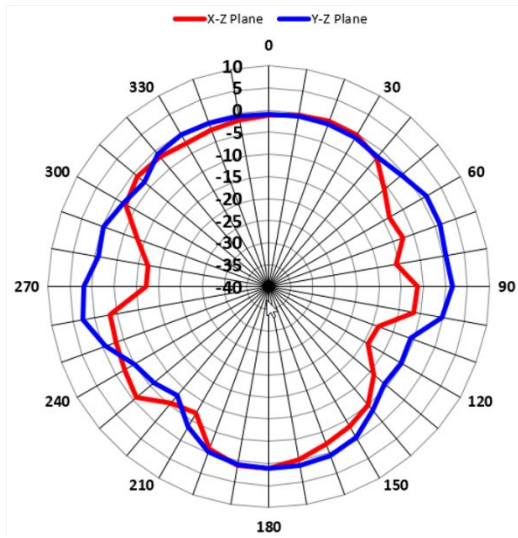
TC-93083A Radiation Pattern



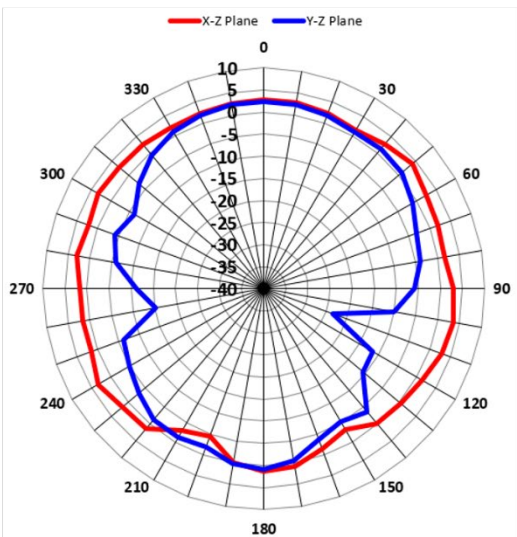
0.6GHz_Vertical



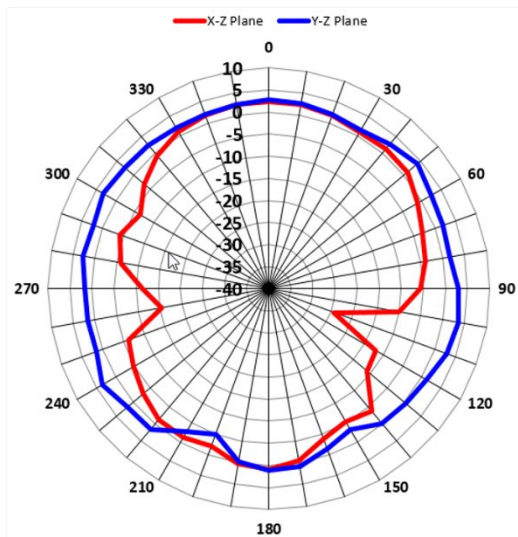
0.6GHz_Horizontal

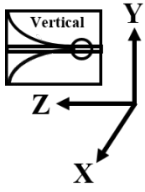


0.9GHz_Vertical

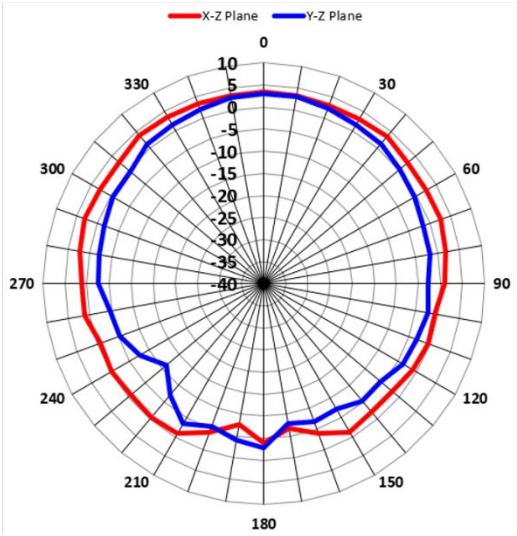


0.9GHz_Horizontal

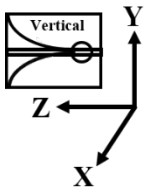
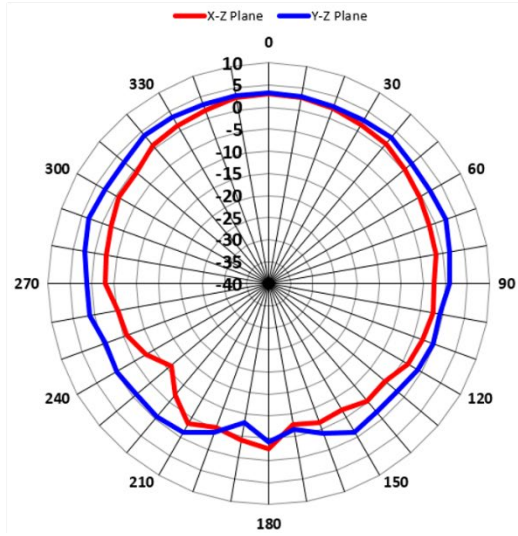




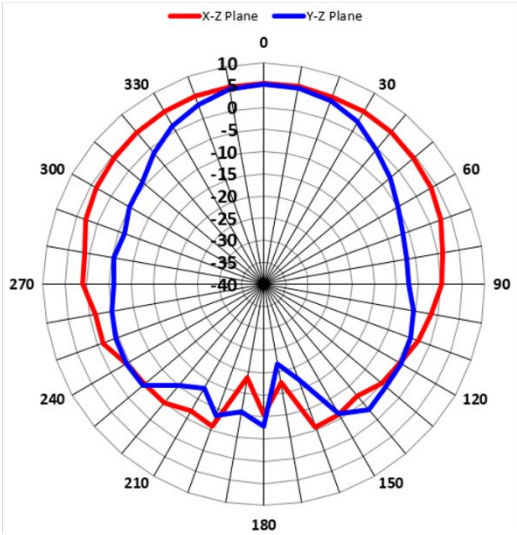
1.8GHz_Vertical



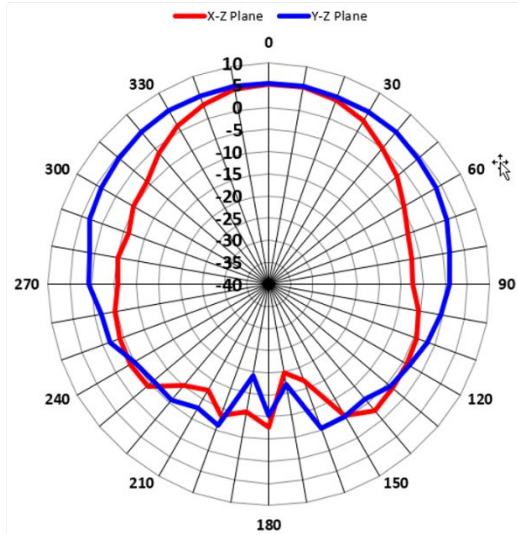
1.8GHz_Horizontal

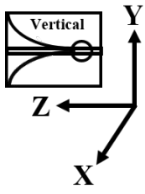


2.4GHz_Vertical

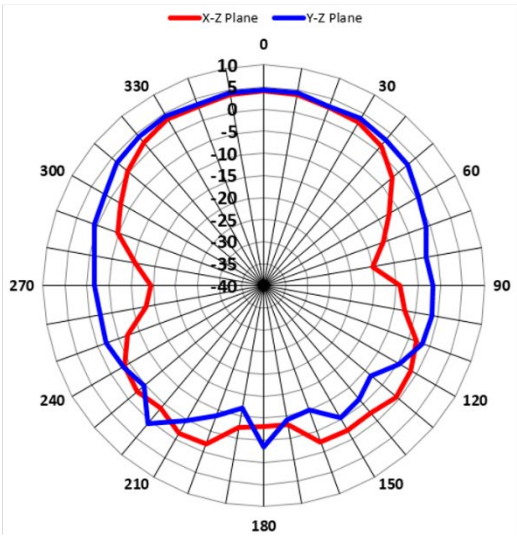


2.4GHz_Horizontal

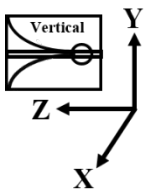
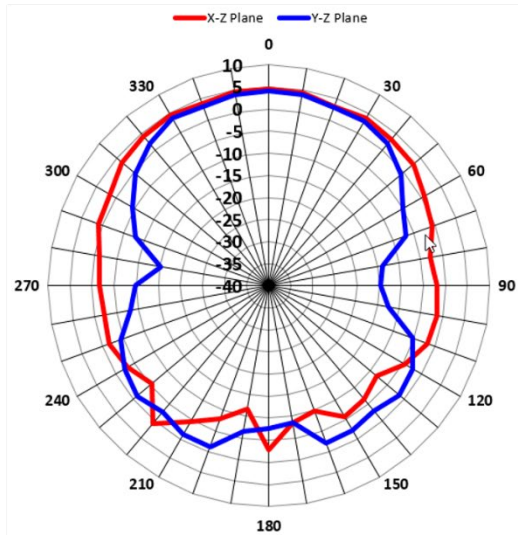




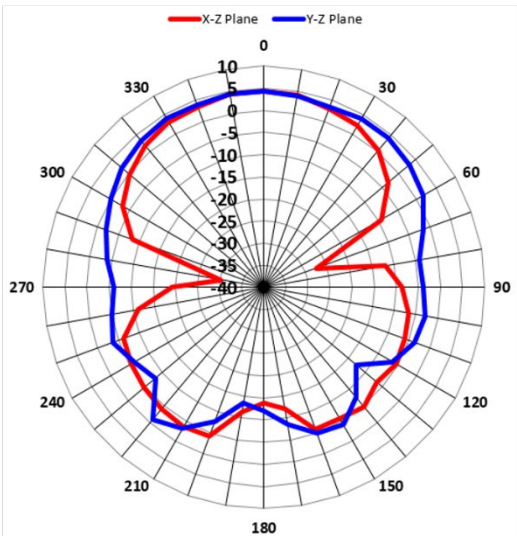
3.5GHz_Vertical



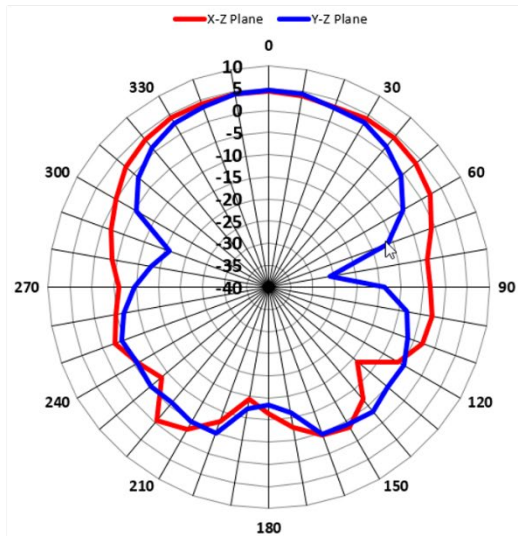
3.5GHz_Horizontal

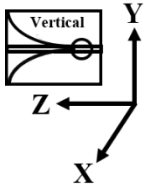


4.0GHz_Vertical

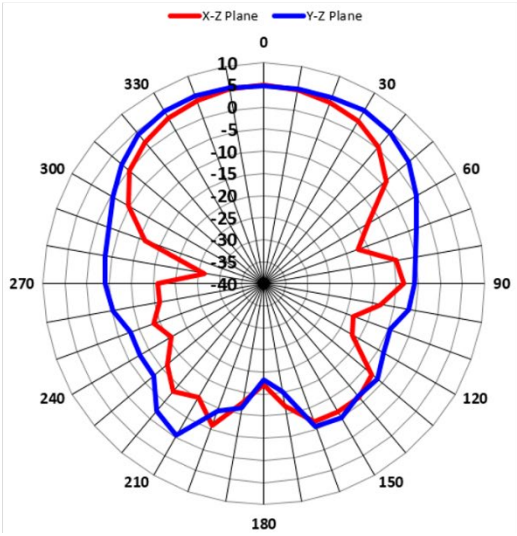


4.0GHz_Horizontal

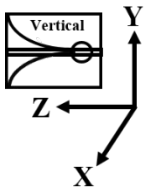
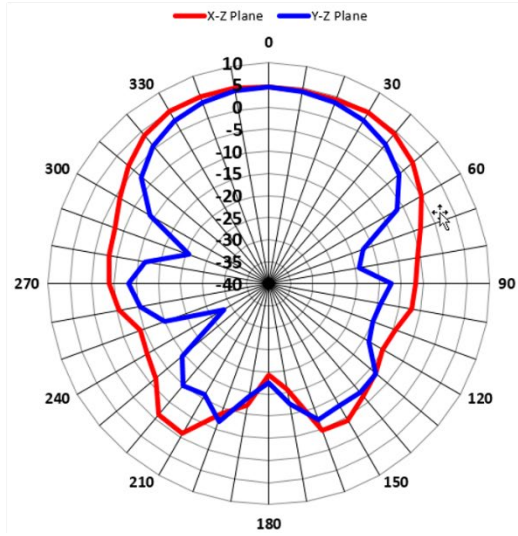




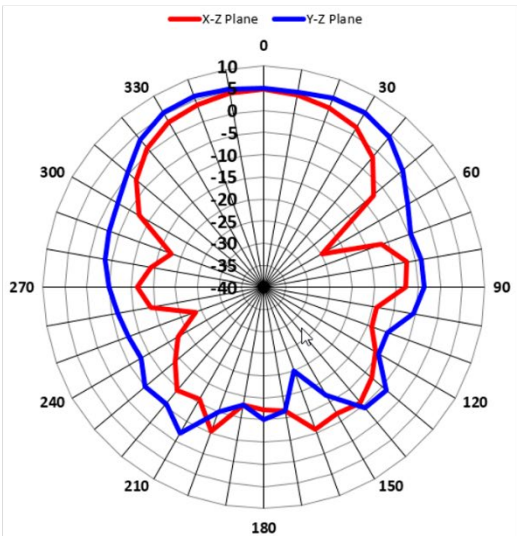
4.5GHz_Vertical



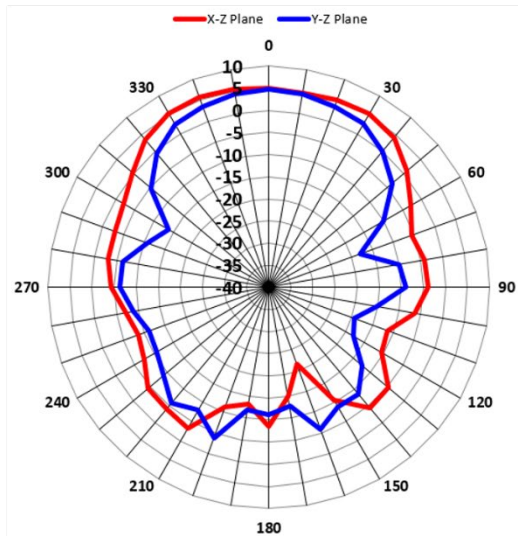
4.5GHz_Horizontal

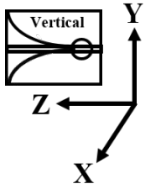


5.0GHz_Vertical

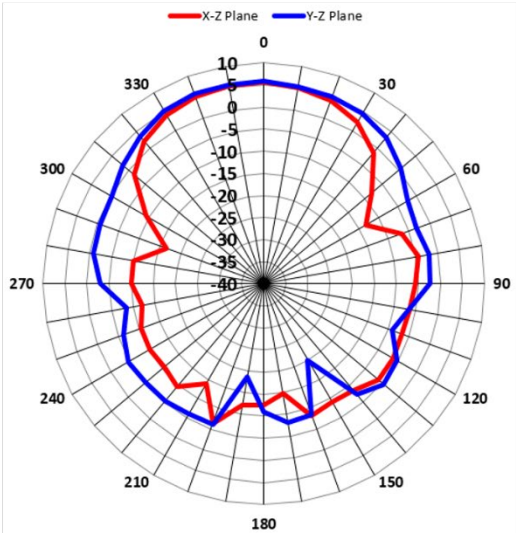


5.0GHz_Horizontal

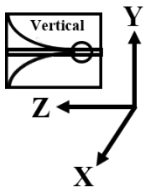
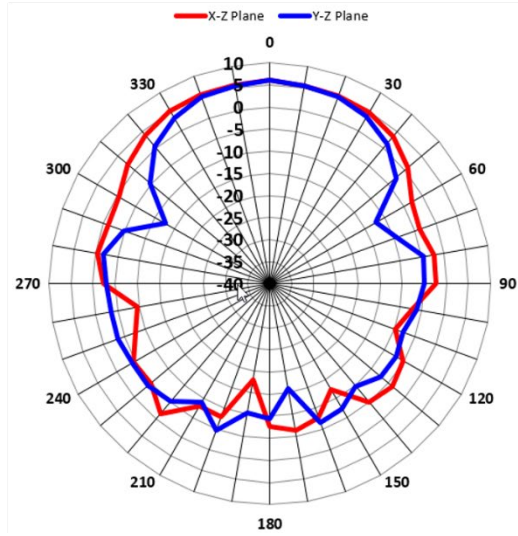




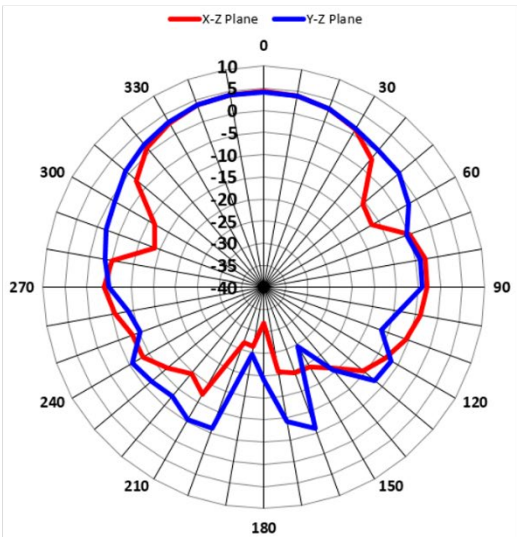
5.5GHz_Vertical



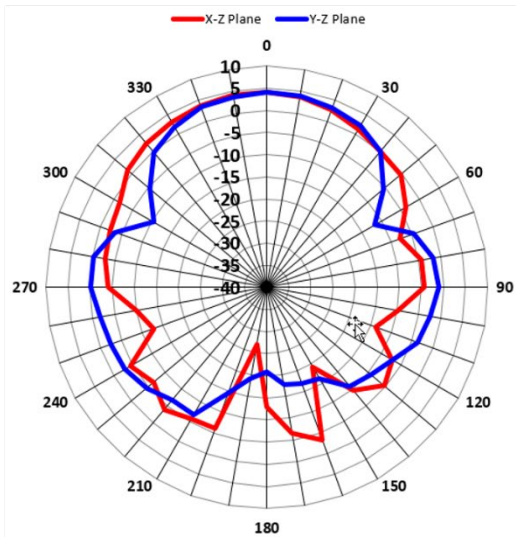
5.5GHz_Horizontal

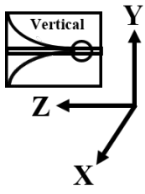


6.0GHz_Vertical

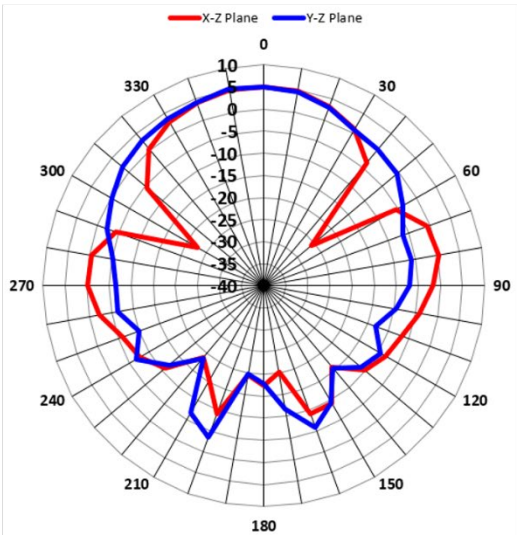


6.0GHz_Horizontal

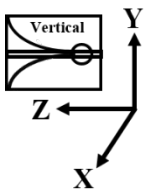
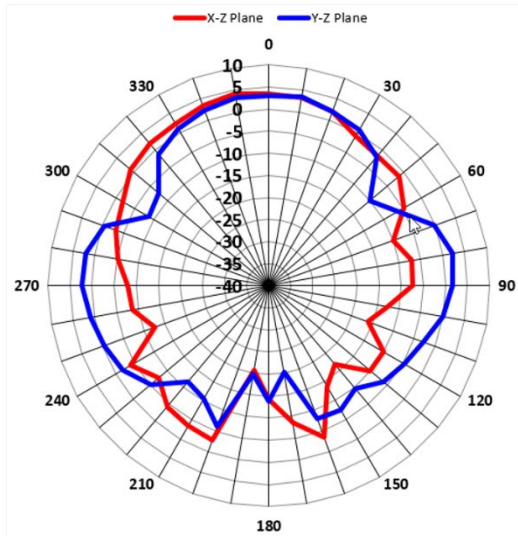




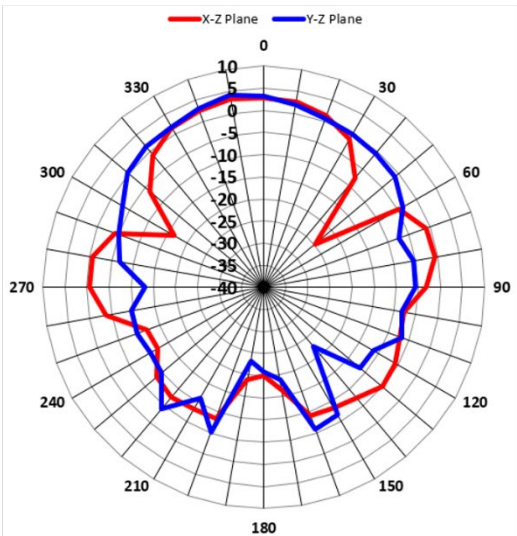
6.5GHz_Vertical



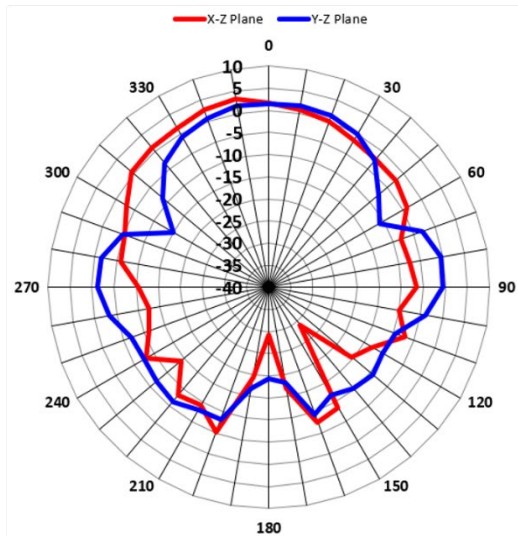
6.5GHz_Horizontal

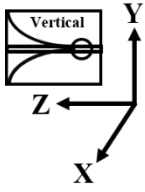


7.0GHz_Vertical

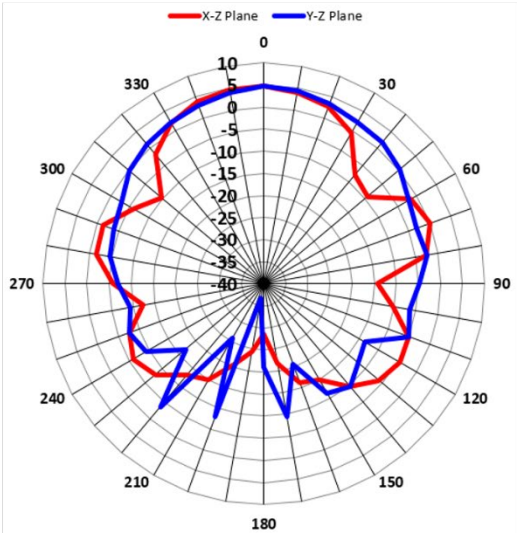


7.0GHz_Horizontal

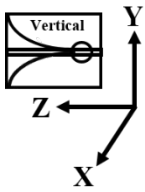
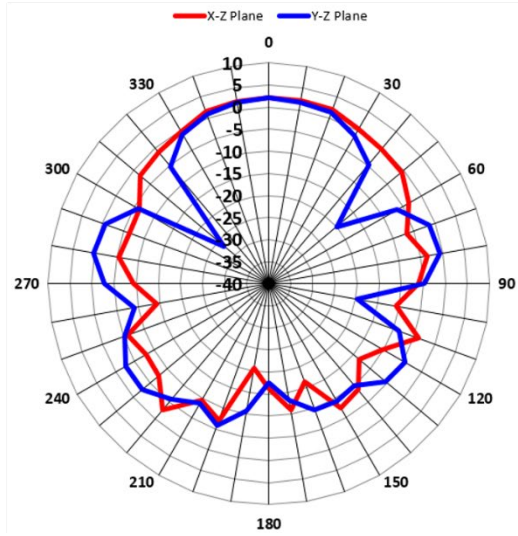




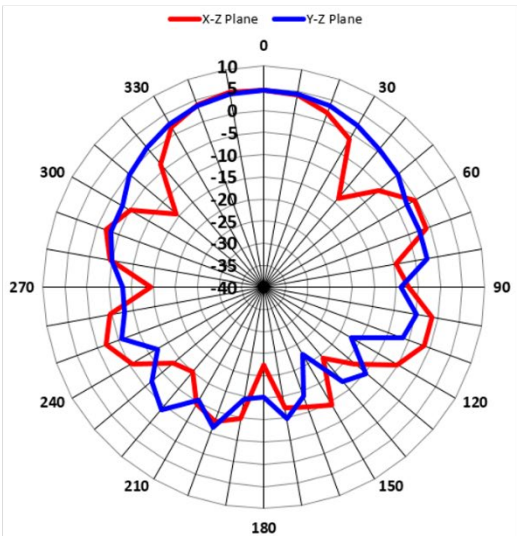
7.5GHz_Vertical



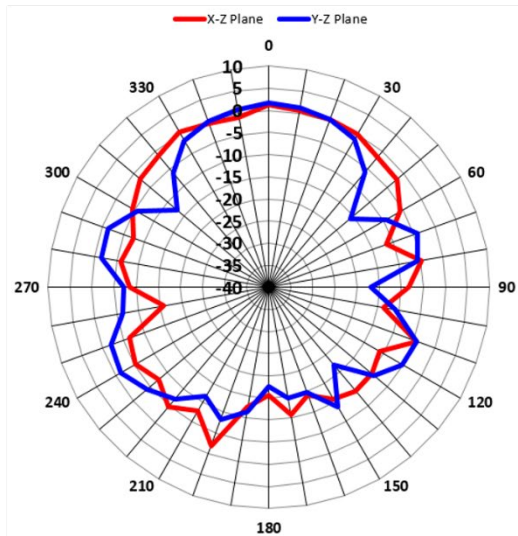
7.5GHz_Horizontal



8.0GHz_Vertical



8.0GHz_Horizontal



Ordering Information

| Order Number | Description |
|--------------|--|
| TC-93083A | DPV Antenna RF Cables are sold separately. |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

