



Concentric Technology Solutions Inc

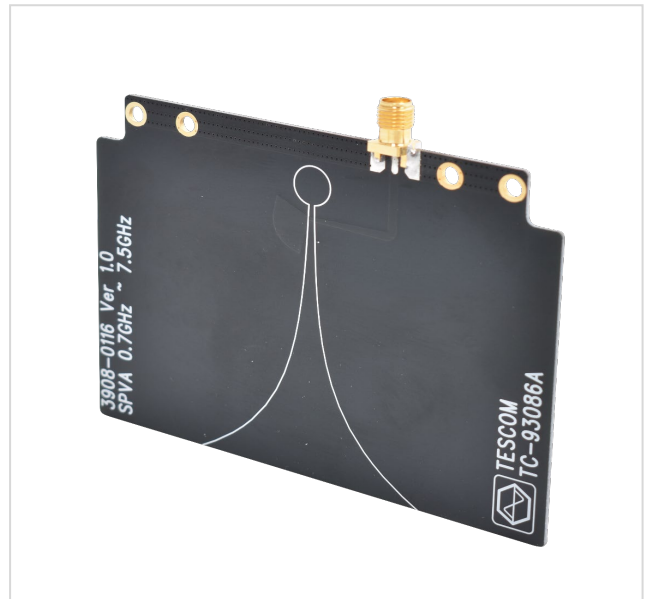
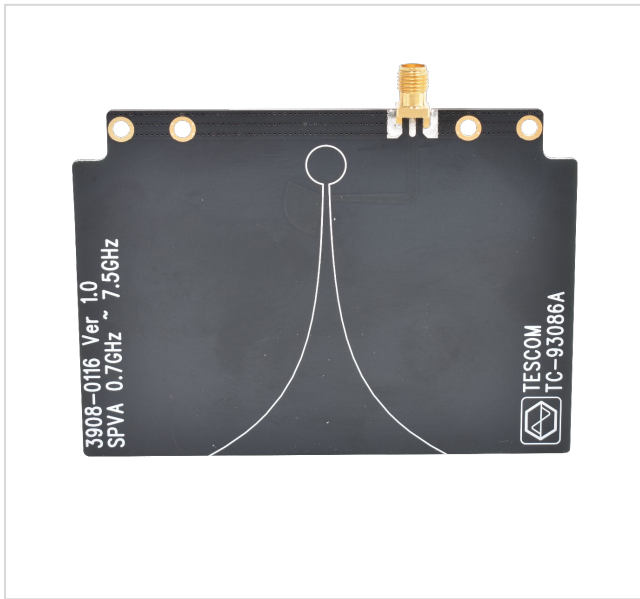
Solutions for the Wireless Industry

TC-93086A

Single Polarized Vivaldi Antenna

Data Sheet

TC-93086A Single Polarized Vivaldi Antenna

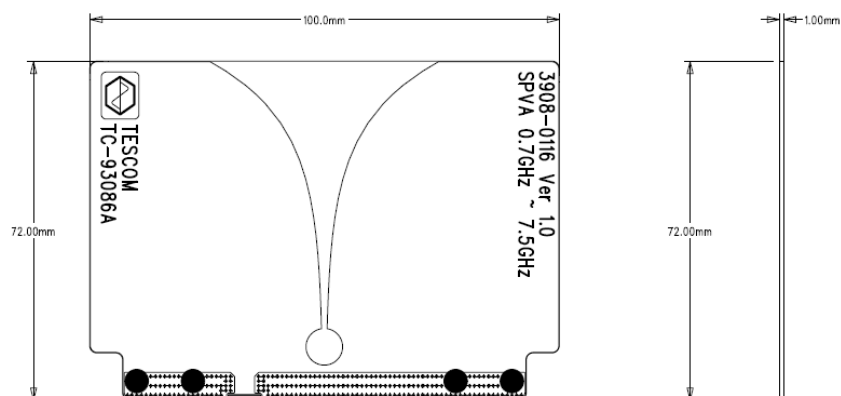


Mechanical Specifications

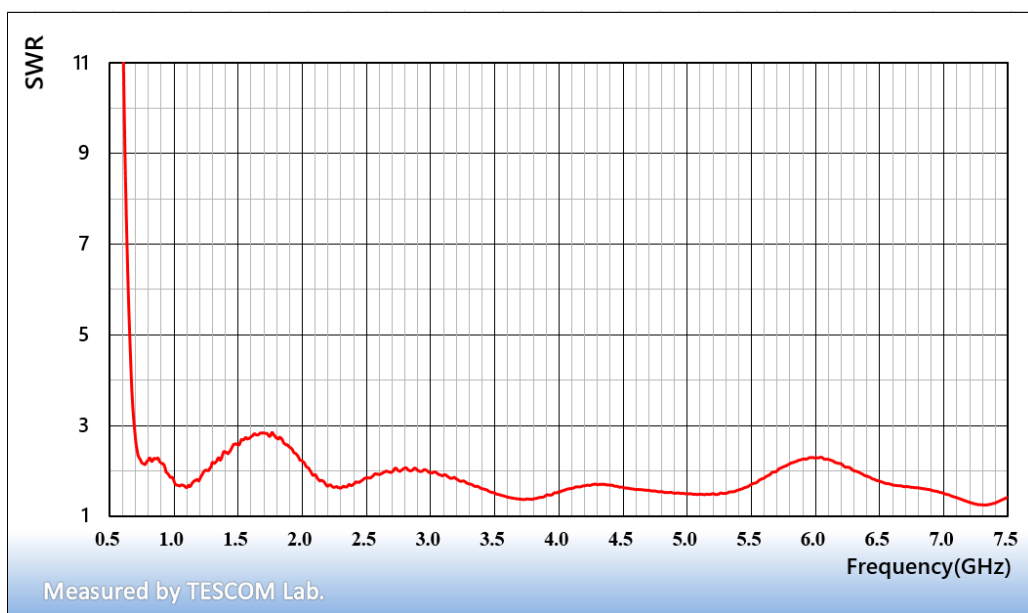
Frequency Range	0.7 GHz ~ 7.5 GHz
RF Connector	SMA(f)
Dimension	100 (W) x 72 (D) x 1 (H) mm (for Each)
Terminal	50 ohm
VSWR	< 3.2 @ 0.7 GHz ~ 7.5 GHz
Antenna Type	SPVA (Single Polarized Vivaldi Antenna)

Dimensions

100 (W) x 72 (D) x 1 (H) mm (for Each) [Unit: mm]

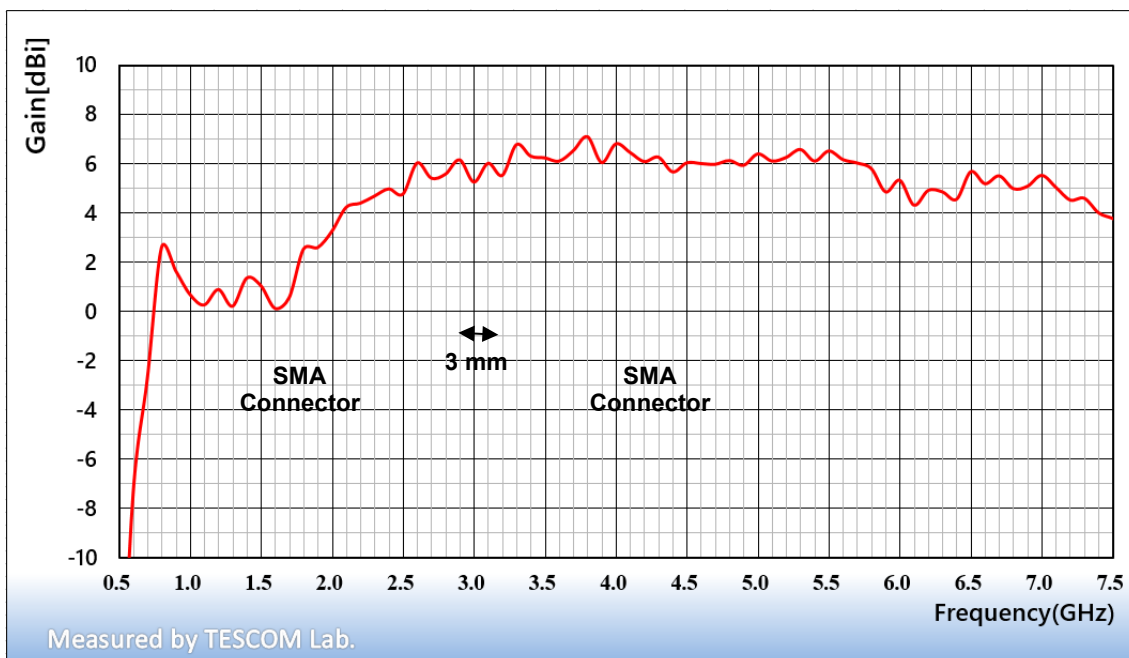


VSWR Data



Graph 1. TC-93086A VSWR

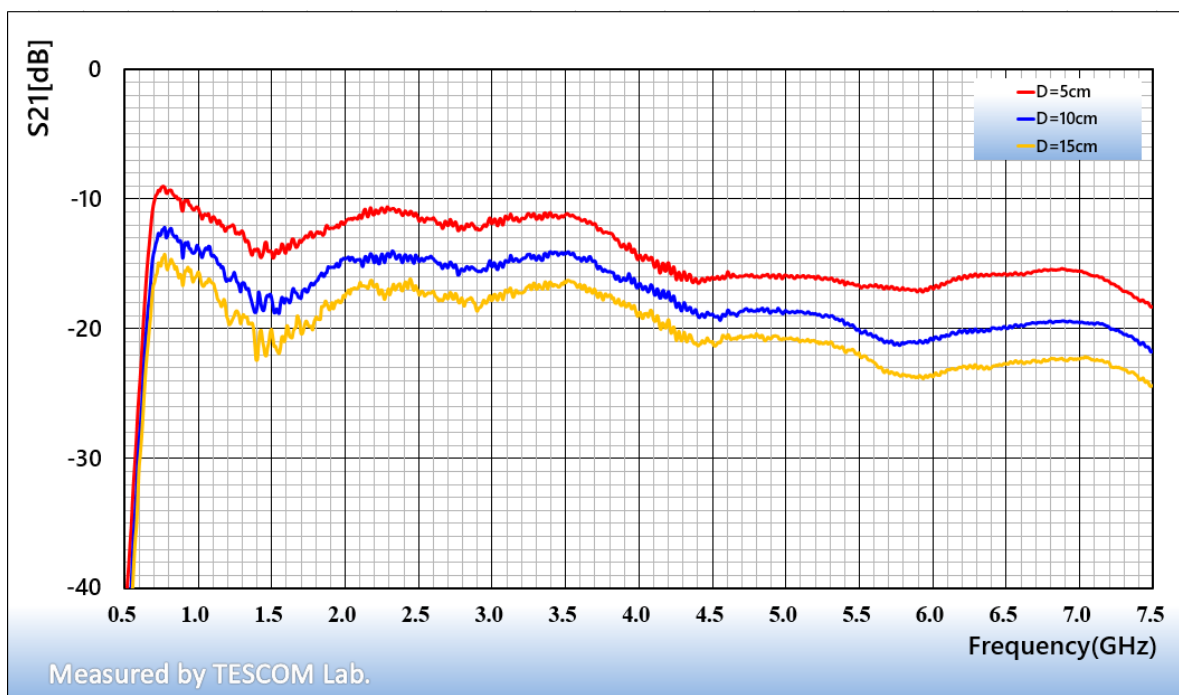
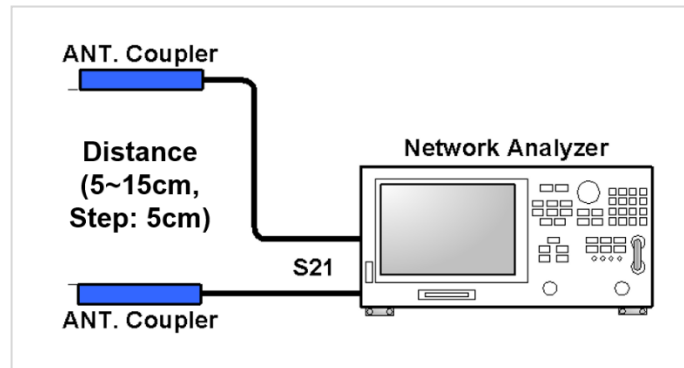
Gain Data (Boresight Gain)



Graph 2. TC-93086A Gain

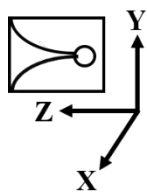
TC-93086A Path Loss

- Measuring Path loss (S21) with the Network analyzer between 2 units of TC-93086A (Distance: 5 ~ 15 cm)
- 1 unit of TC-93086A for Reference, 1 unit of TC-93086A for Inspection.

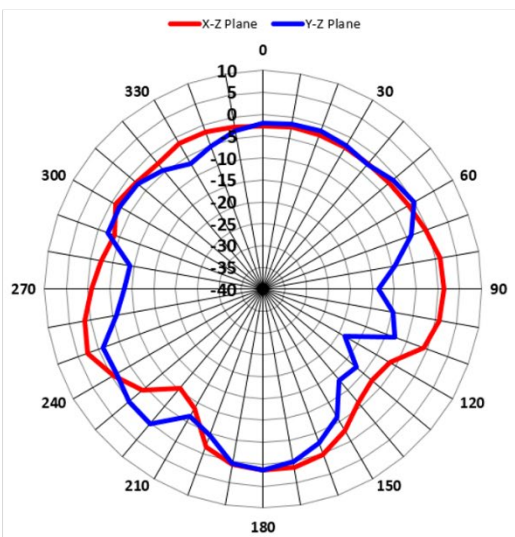


Graph 3. TC-93086A Path-Loss

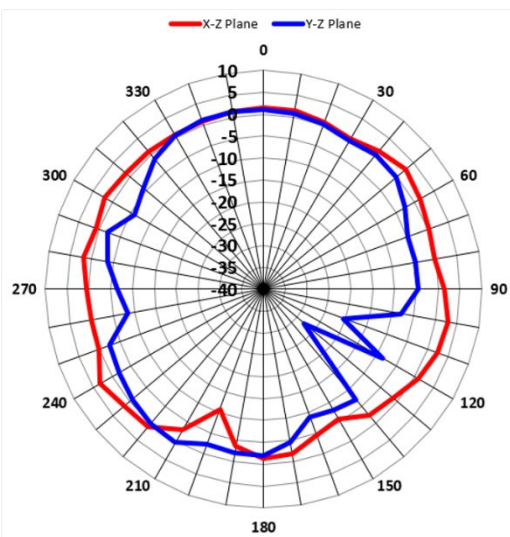
TC-93086A Radiation Pattern



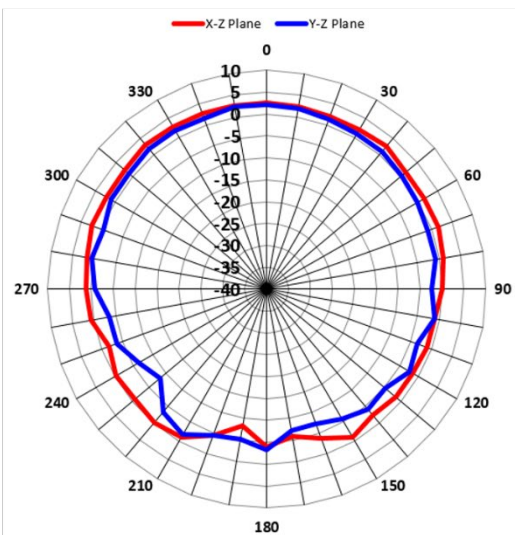
0.7GHz



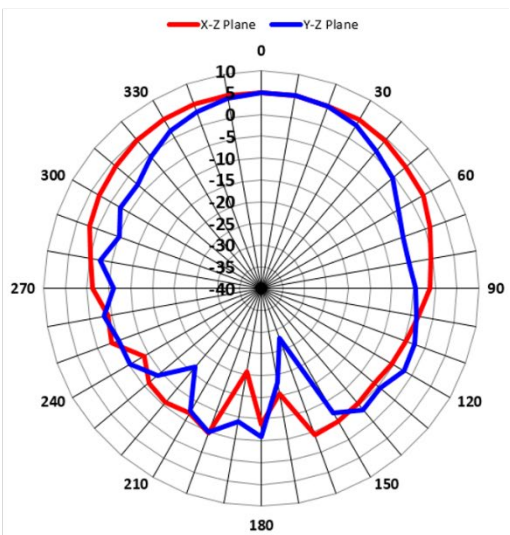
0.9GHz

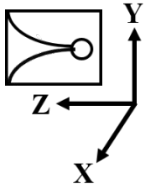


1.8GHz

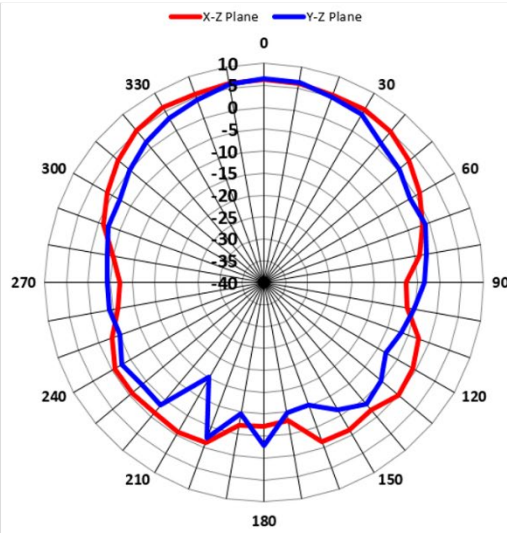


2.4GHz

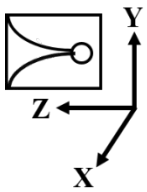
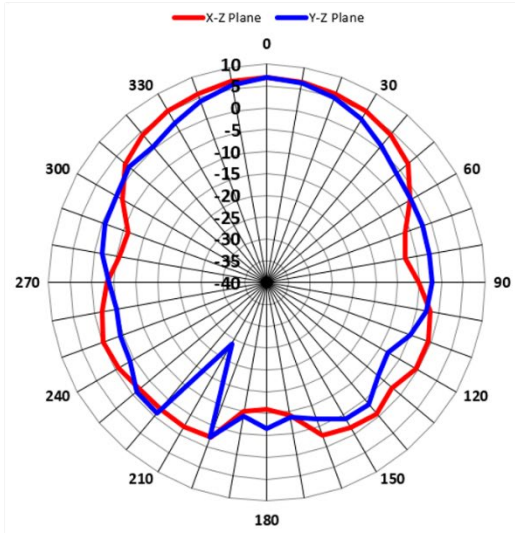




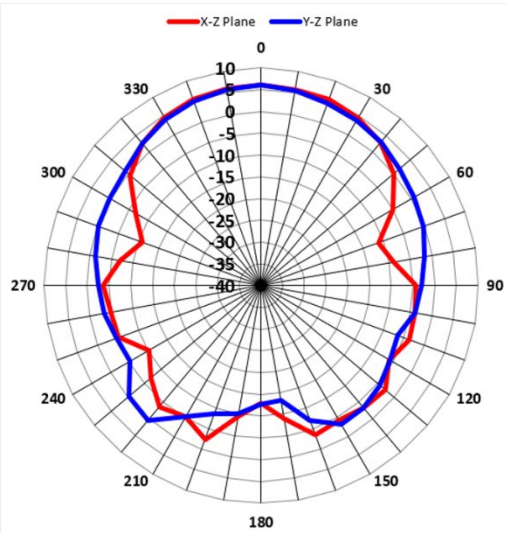
3.5GHz



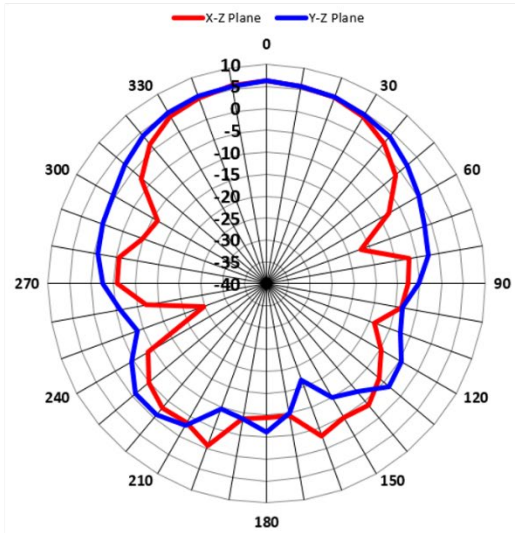
4.0GHz

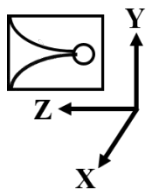


4.5GHz

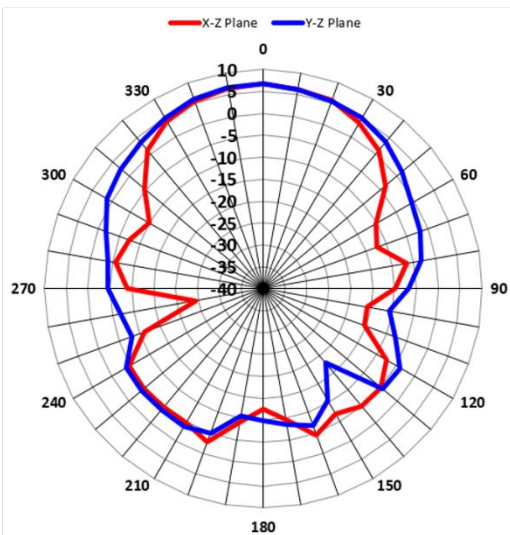


5.0GHz

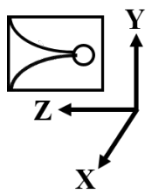
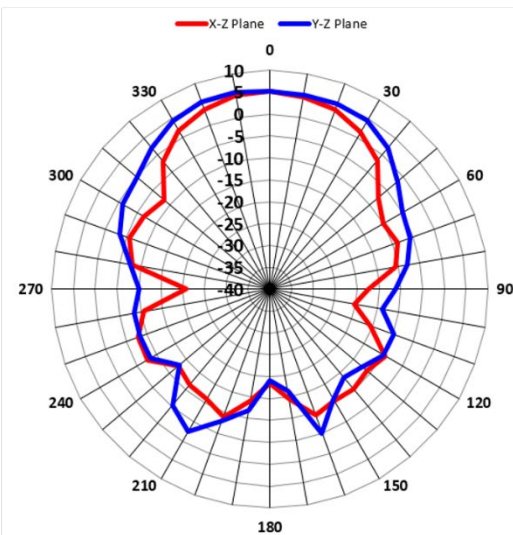




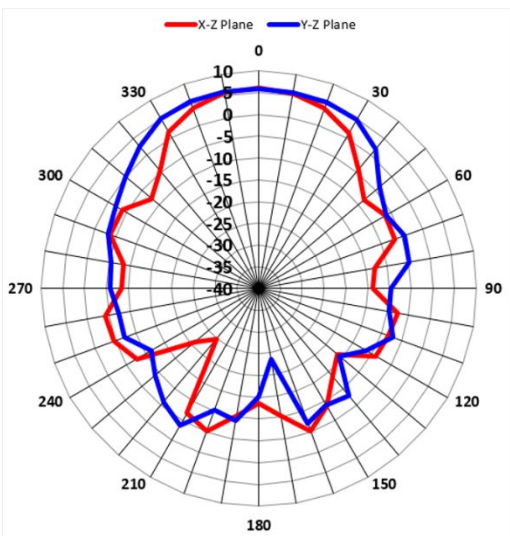
5.5GHz



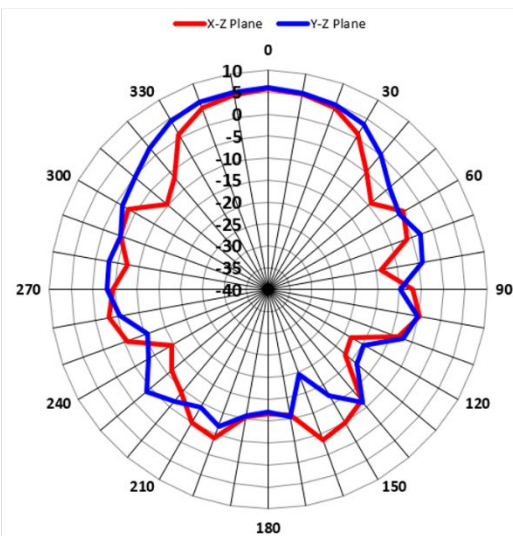
6.0GHz

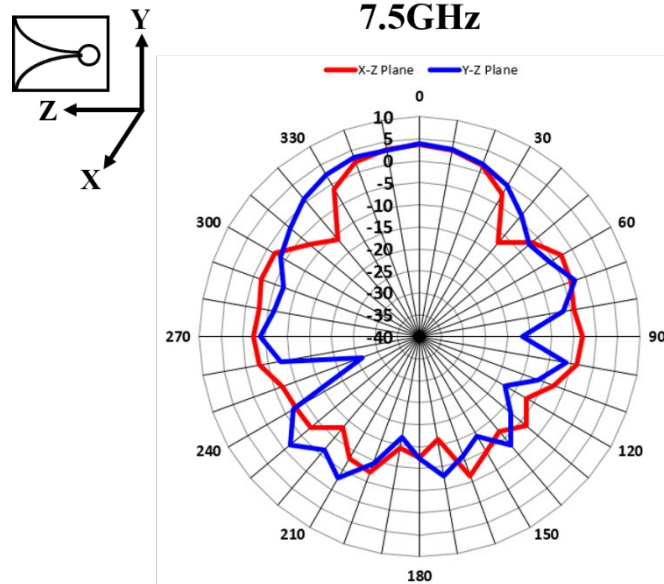


6.5GHz



7.0GHz





Ordering Information

Order Number	Description
TC-93086A	SPV Antenna RF Cables are sold separately.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE