

# Quad Ridged Horn Antenna – Model QRH18

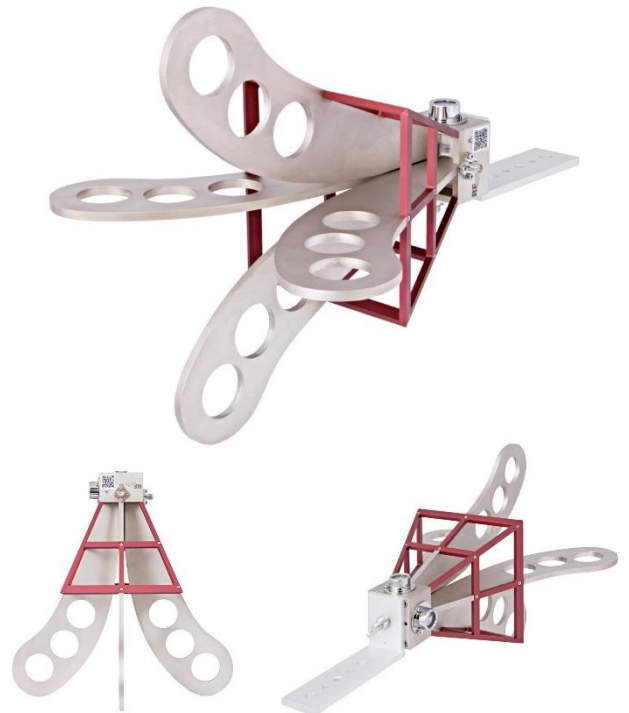
### Electrical Specifications

Frequency Range	1 GHz – 18 GHz
VSWR (max.)	< 2.5
Impedance	50 Ω
Connector	2 × SMA female
Power (CW / Pulse)	100 W / 170 W

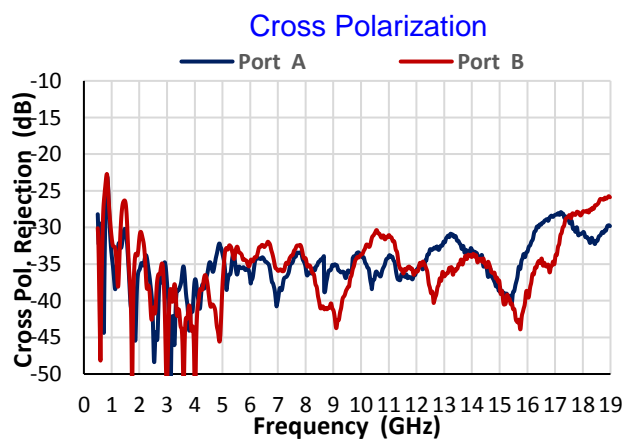
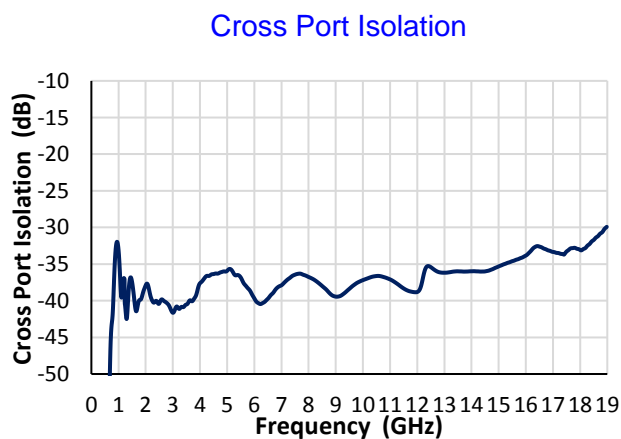
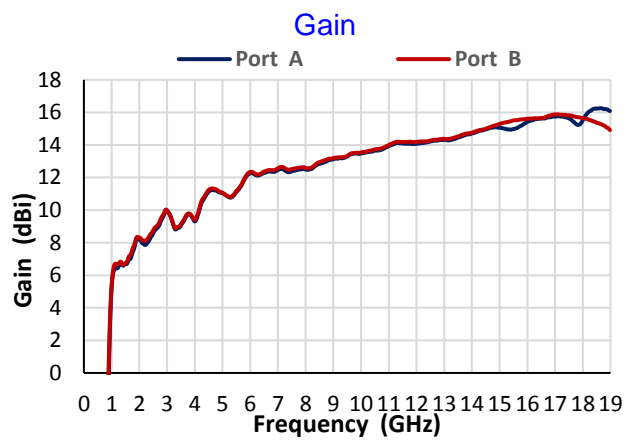
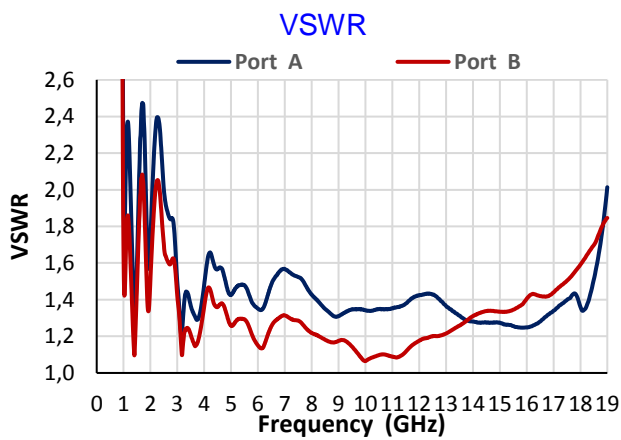
### Physical Specifications

Width	230.6 mm (9.079 in)
Depth	230.6 mm (9.079 in)
Height	229.1 mm (9.020 in)
Weight	650 g (1.433 lb)

- Linear or circular polarization (with hybrid)

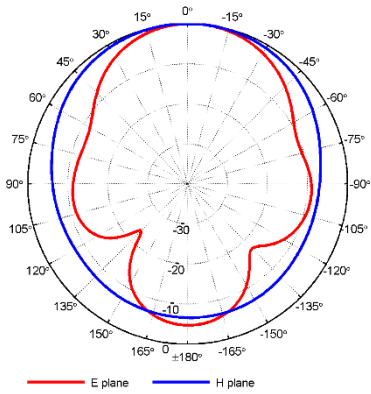


### Typical Parameters

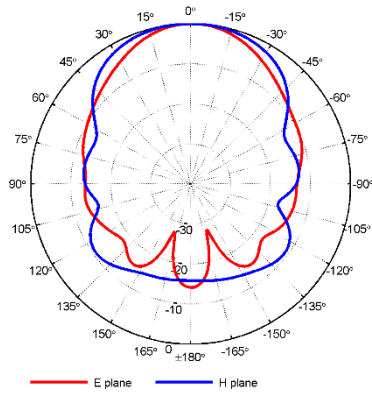


**PORT A - Radiation Patterns**

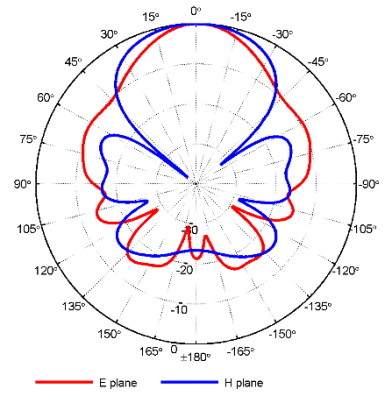
1 GHz



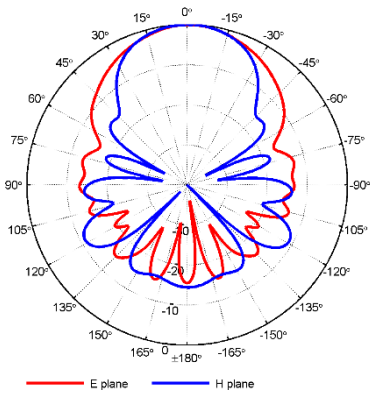
2 GHz



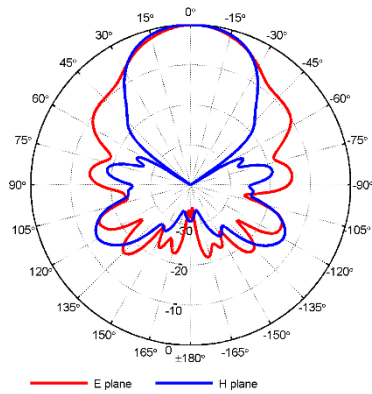
3 GHz



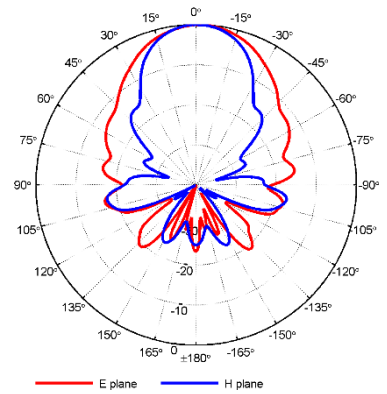
4 GHz



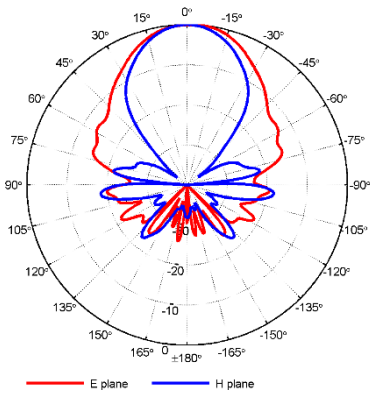
5 GHz



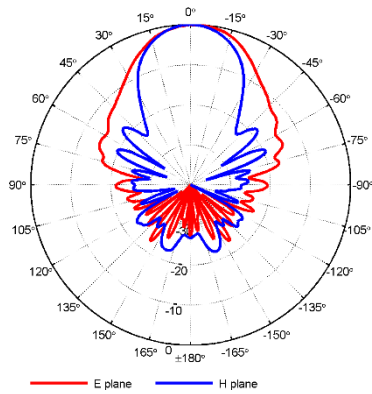
6 GHz



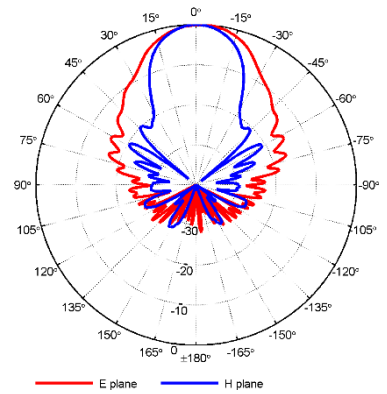
8 GHz



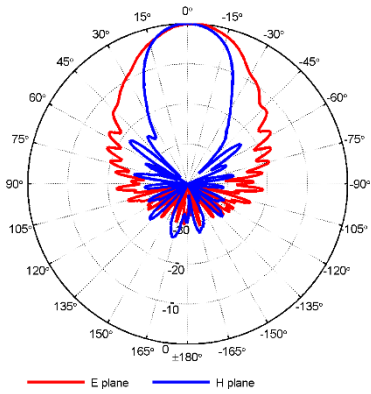
10 GHz



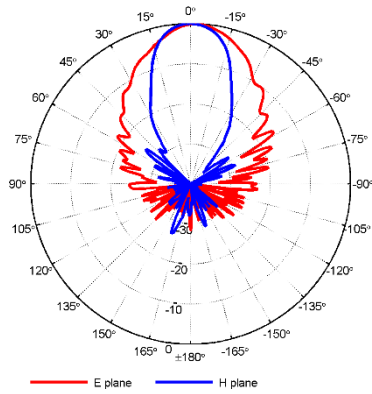
12 GHz



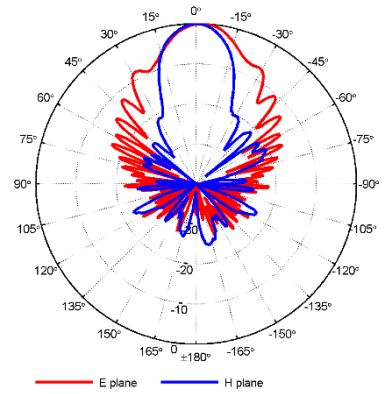
14 GHz



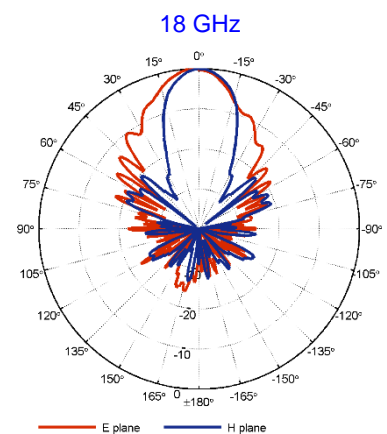
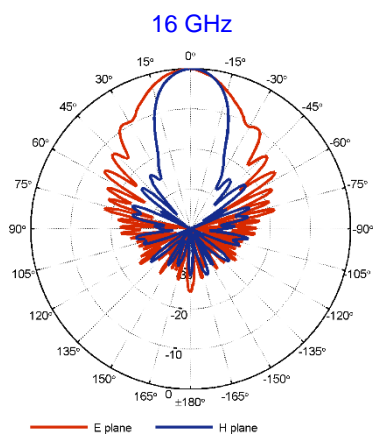
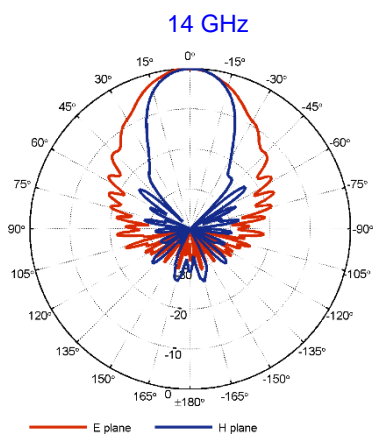
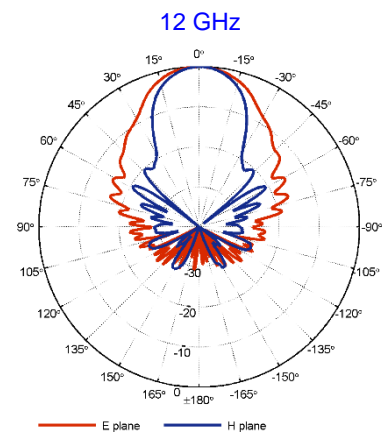
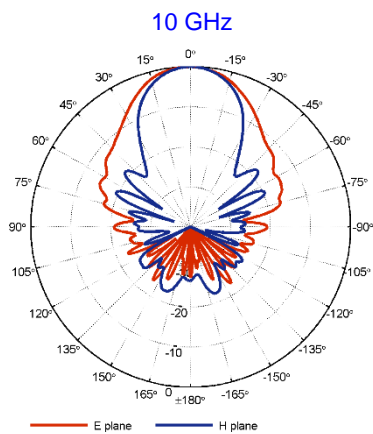
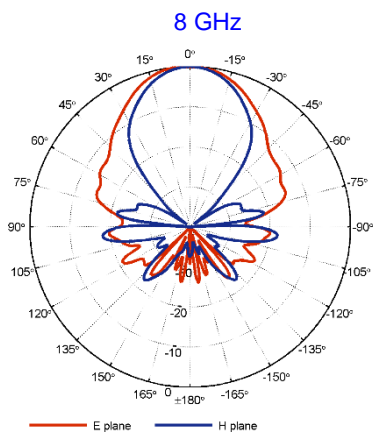
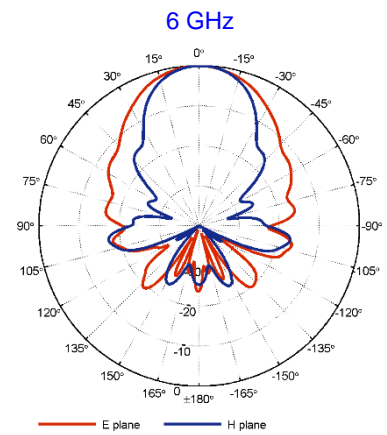
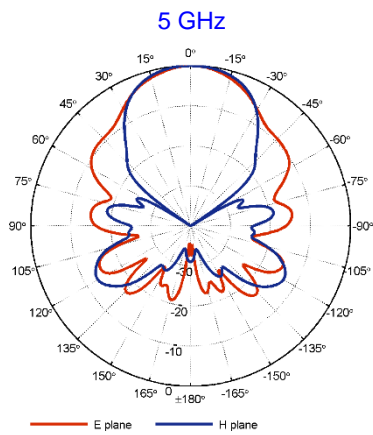
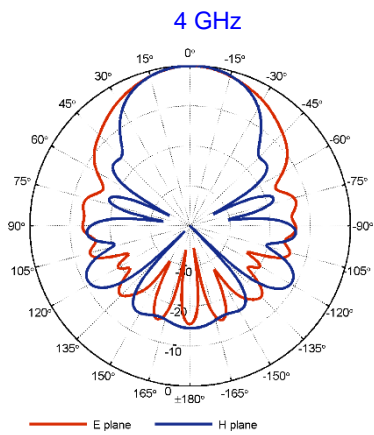
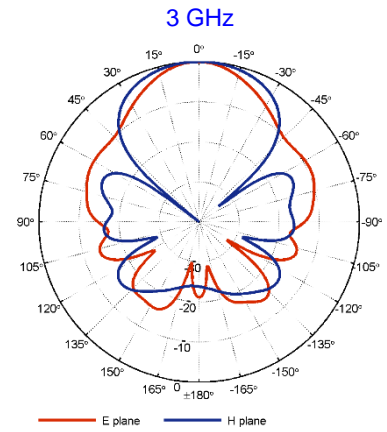
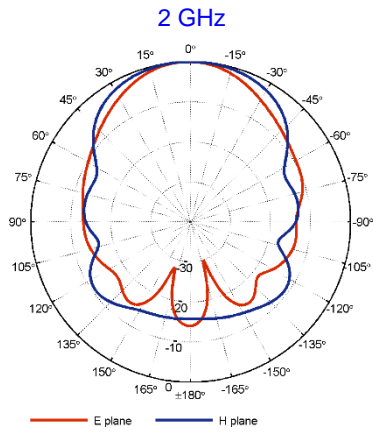
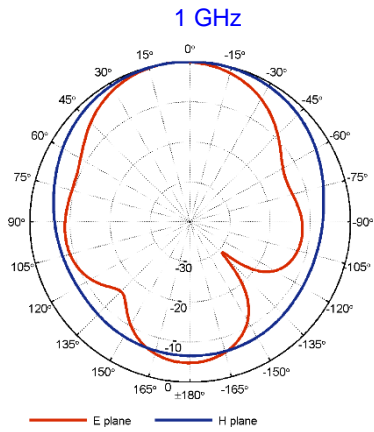
16 GHz



18 GHz

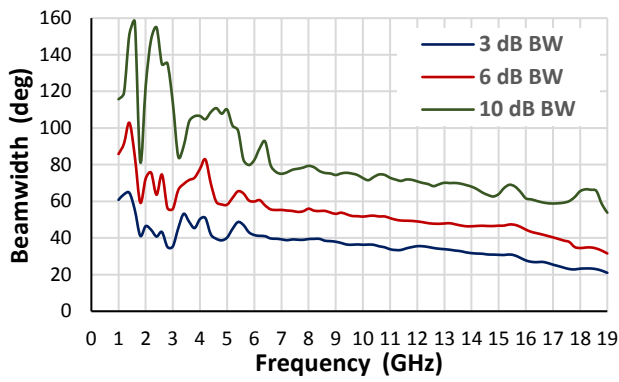


PORT B - Radiation Patterns

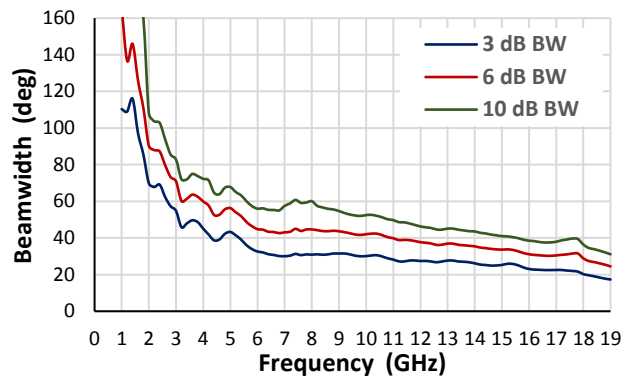


**Beamwidth – Port A**

E plane

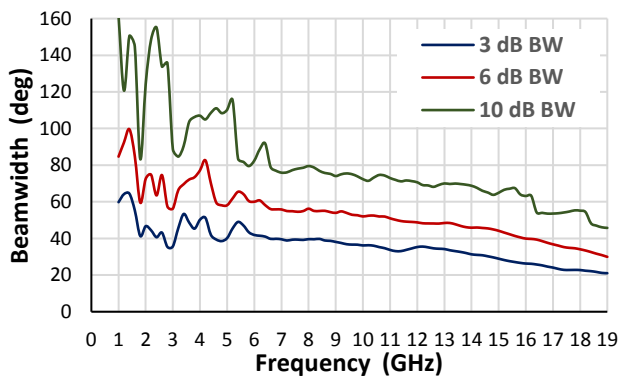


H plane



**Beamwidth – Port B**

E plane



H plane

