

Quad Ridged Horn Antenna Model QRH20EC



Electrical Specifications

Frequency Range	1.7 GHz – 20 GHz
VSWR (max.)	2.4
VSWR (avg.)	1.45
Impedance	50 Ω
Connector	SMA (female)
Power (CW/Peak)	20 W / 40 W
Antenna Factor	28 – 42.5 dB/m
Port Isolation	-33 dB
Polarization	Dual Linear, Circular (with hybrid)



Physical Specifications

Width	101 mm (3.976 in)
Height	178 mm (7.008 in)
Depth	101 mm (3.976 in)

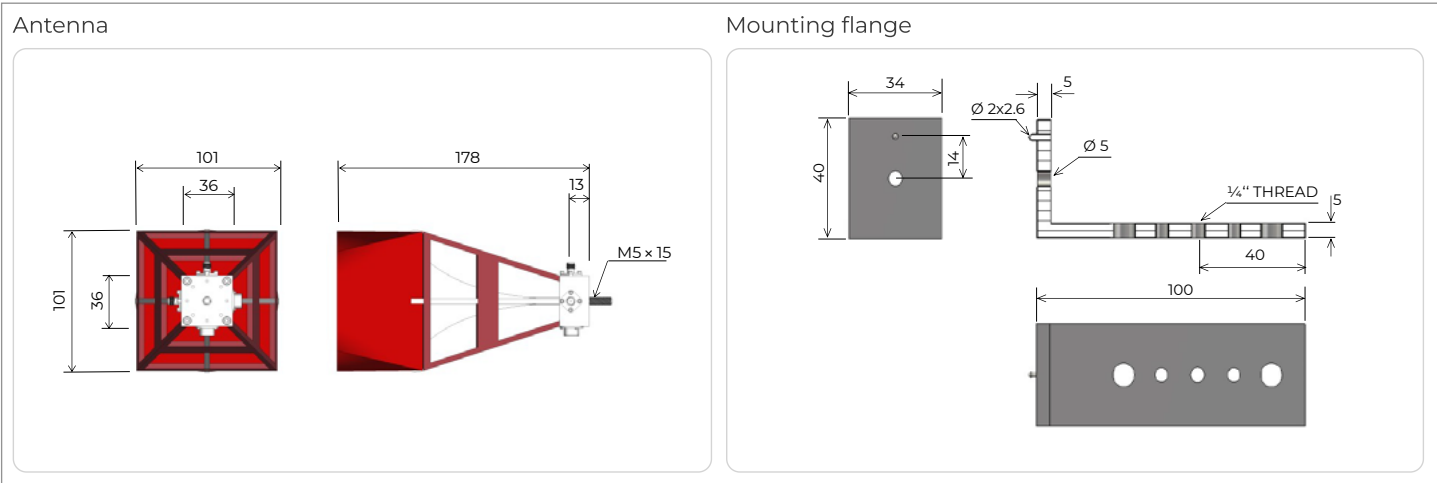
Operating Conditions

Rated Temperature Range	0 °C – +50 °C
Storage Temperature Range	-20 °C – +70 °C

Mounting Flange

Mounting	Adapter with ¼ inch inner thread, supplied with antenna
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Mechanical Drawings



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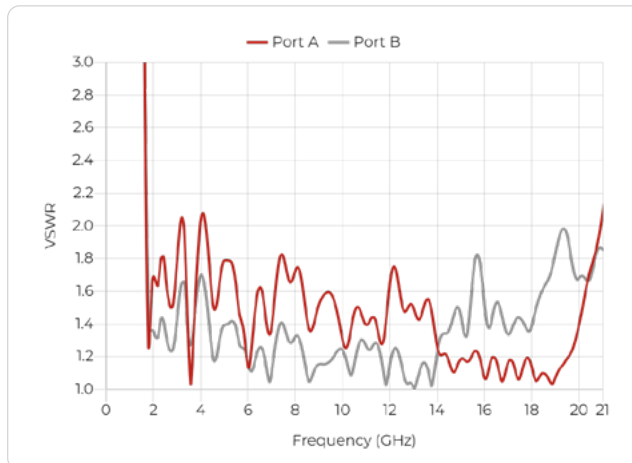
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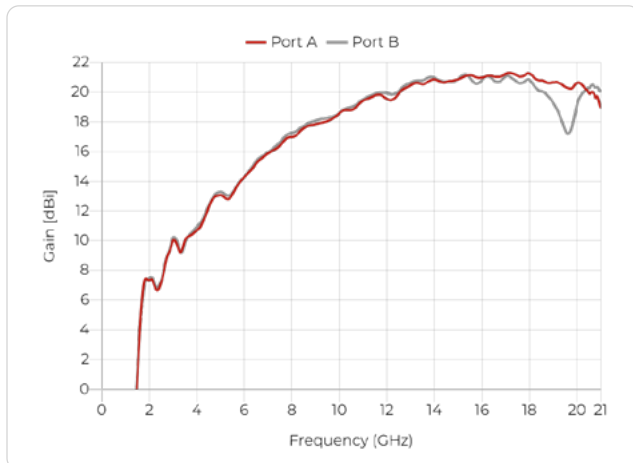
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Typical Parameters

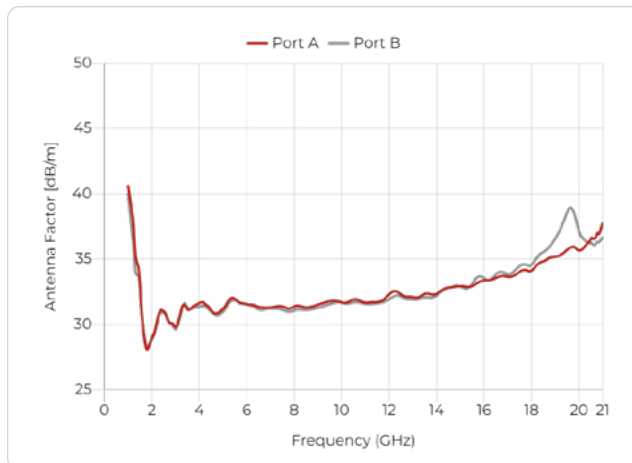
VSWR



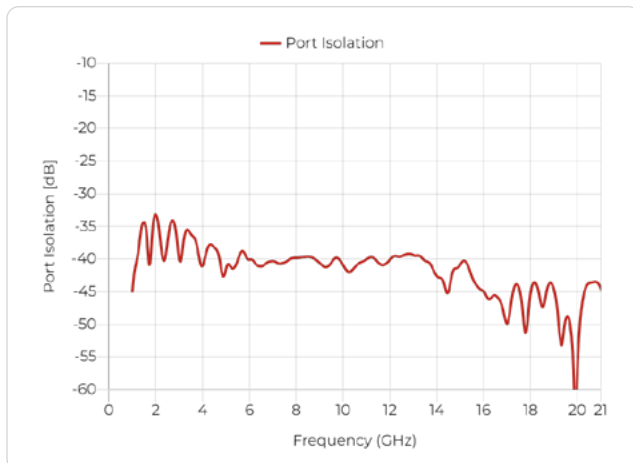
Gain



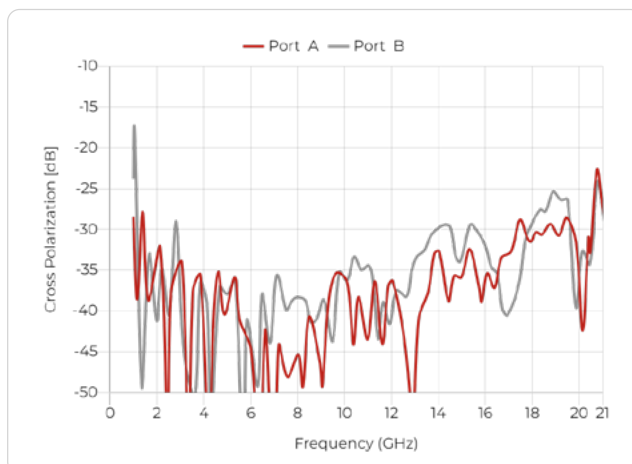
Antenna Factor



Port Isolation



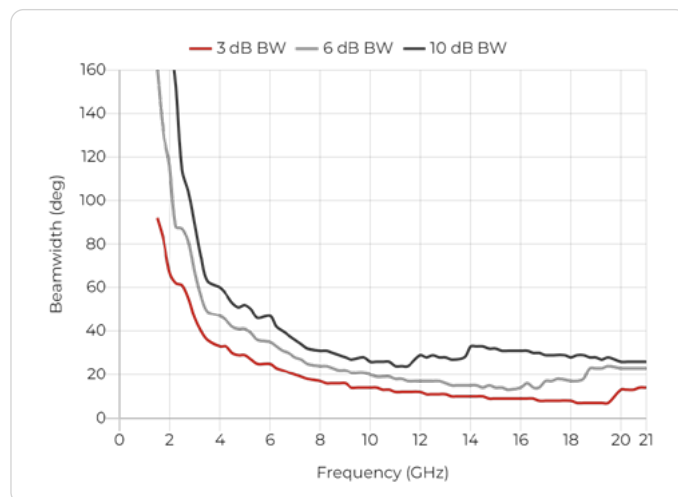
Cross Polarization



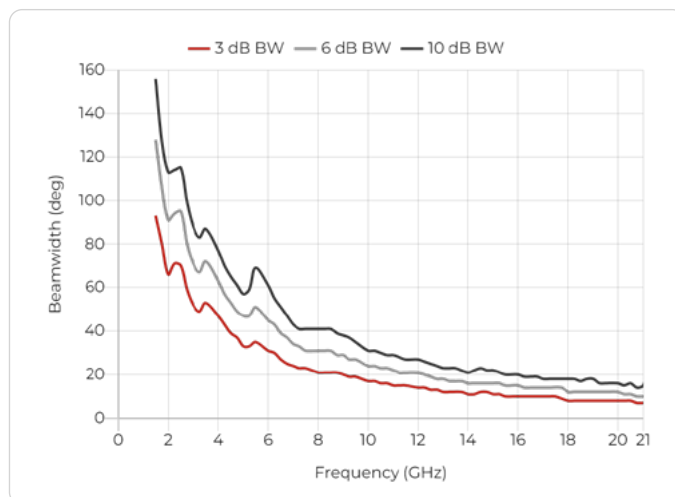
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Beamwidth

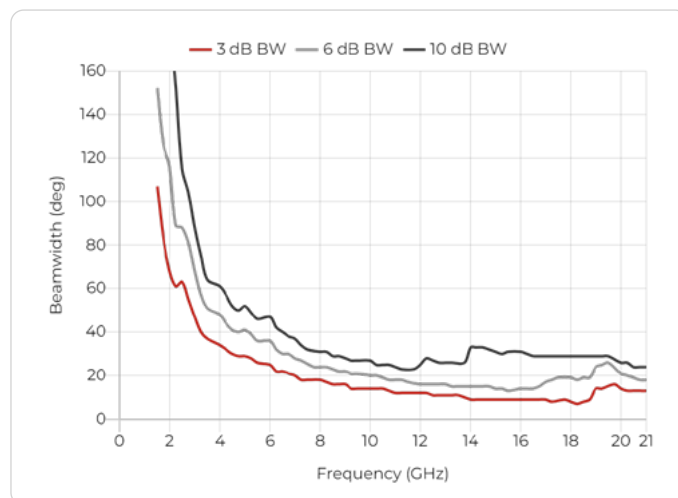
Port A, E plane



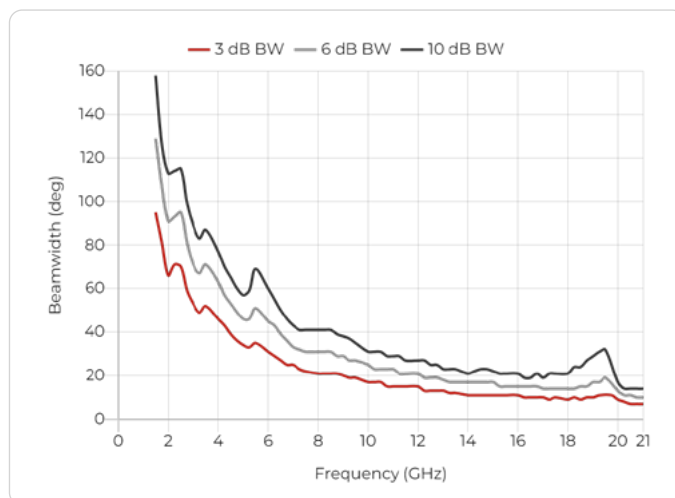
Port A, H plane



Port B, E plane

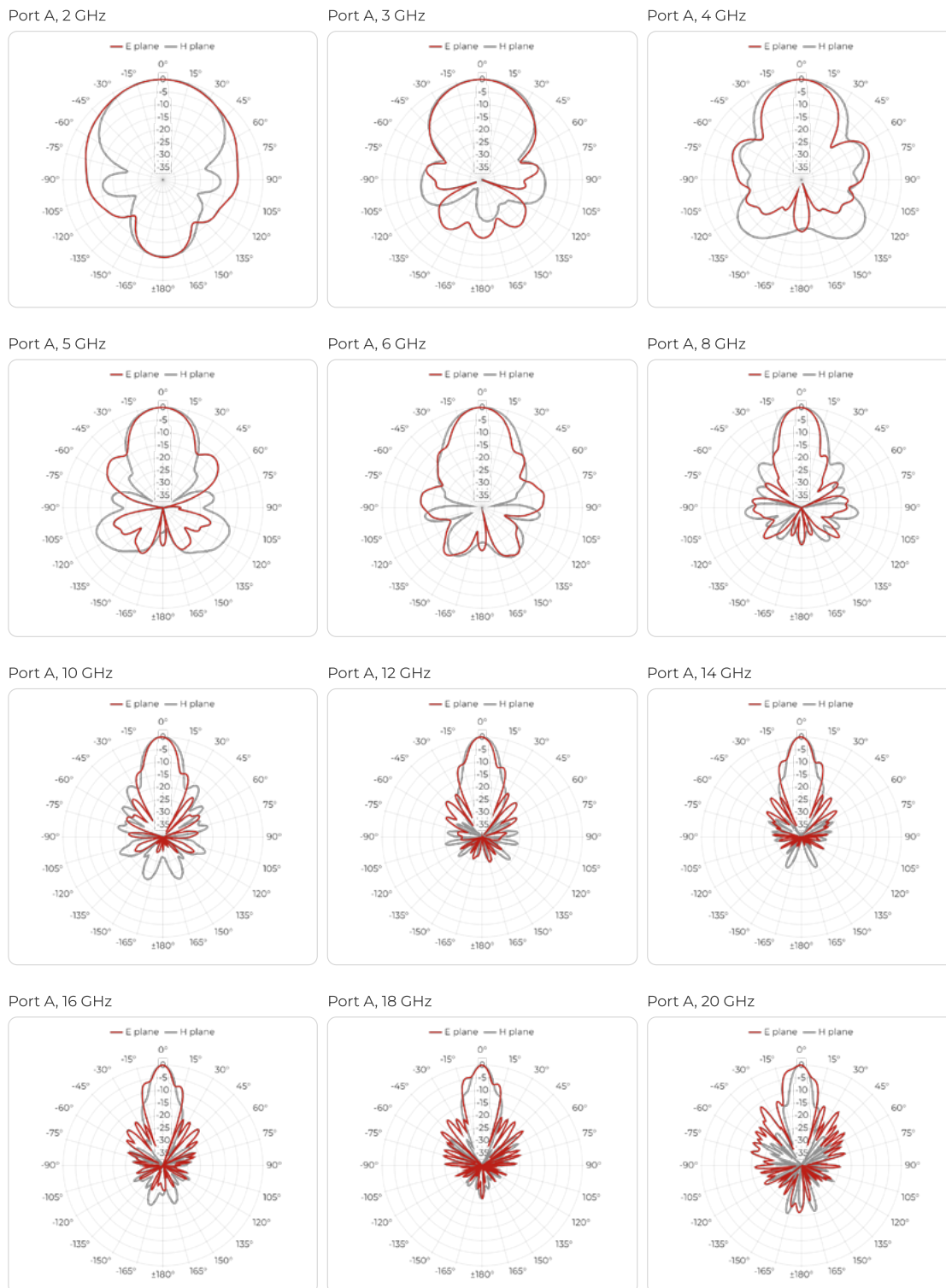


Port B, H plane



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Radiation Patterns - Port A



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Radiation Patterns - Port B

