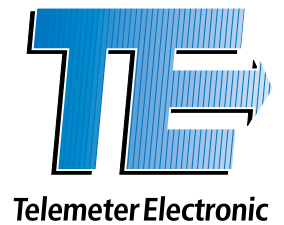


Quad Ridged Horn Antenna Model QRH50E



Electrical Specifications

Frequency Range	5 GHz – 50 GHz
VSWR (max.)	2.5
VSWR (avg.)	1.45
Impedance	50 Ω
Connector	2.40 mm
Power (CW / Peak)	5 W / 10 W
Antenna Factor	40 – 52 dB/m
Port Isolation	-28 dB
Polarization	Dual Linear, Circular (with hybrid)



Physical Specifications

Width	45 mm (1.772 in)
Height	85 mm (3.346 in)
Depth	45 mm (1.772 in)
Weight	0.078 kg (0.172 lb)

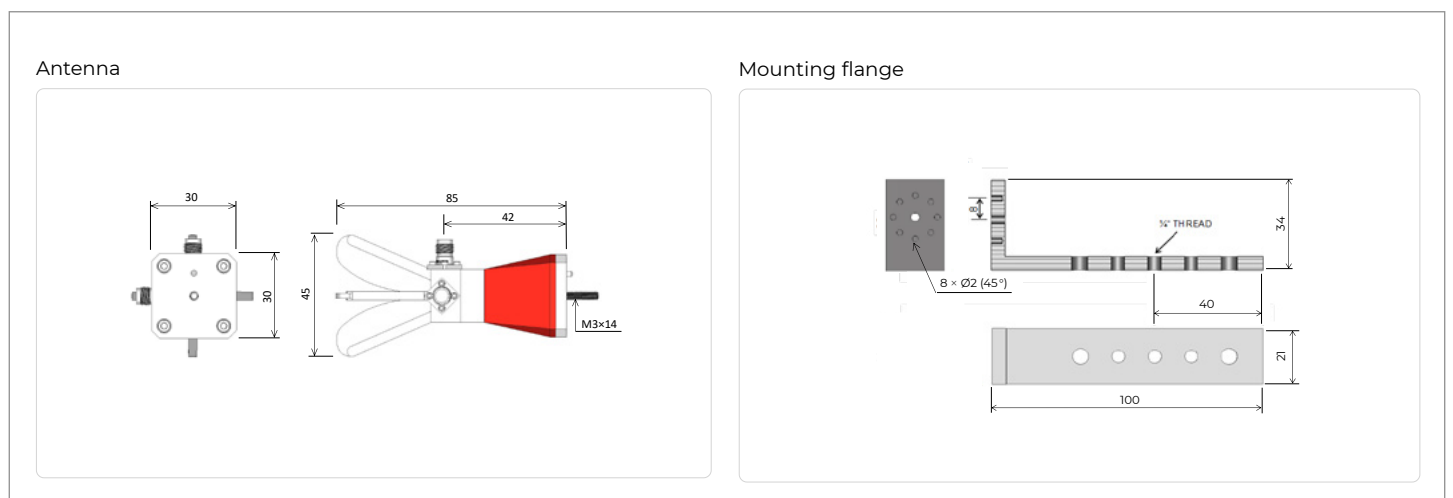
Operating Conditions

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

Mounting Flange

Mounting	Adapter with inch innerthread, supplied with antenna
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Mechanical Drawings



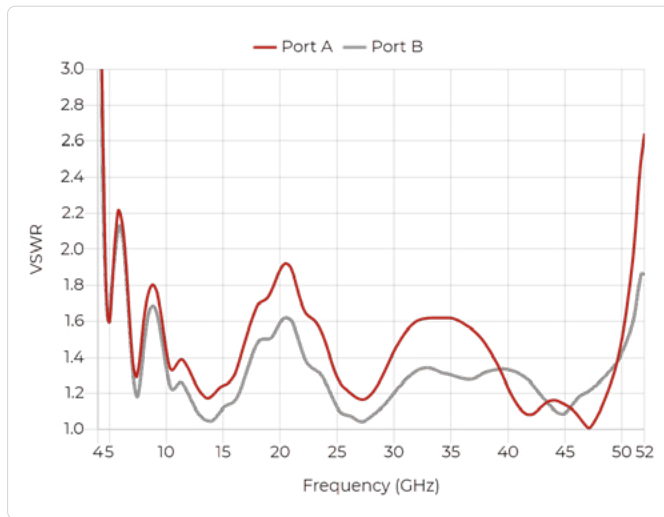
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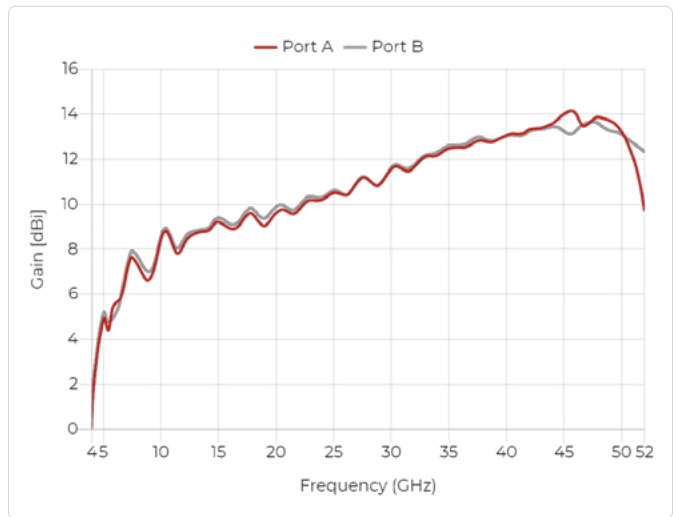
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Typical Parameters

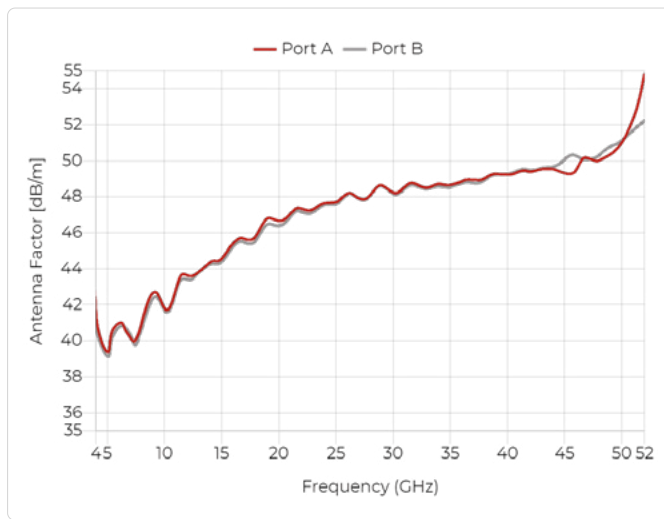
VSWR



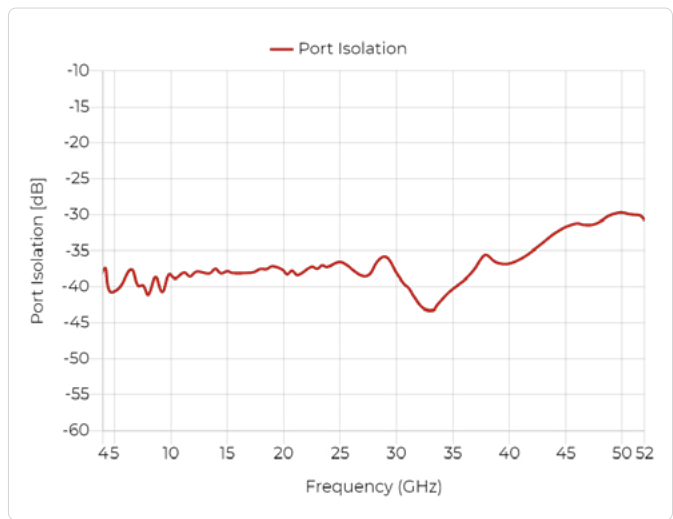
Gain



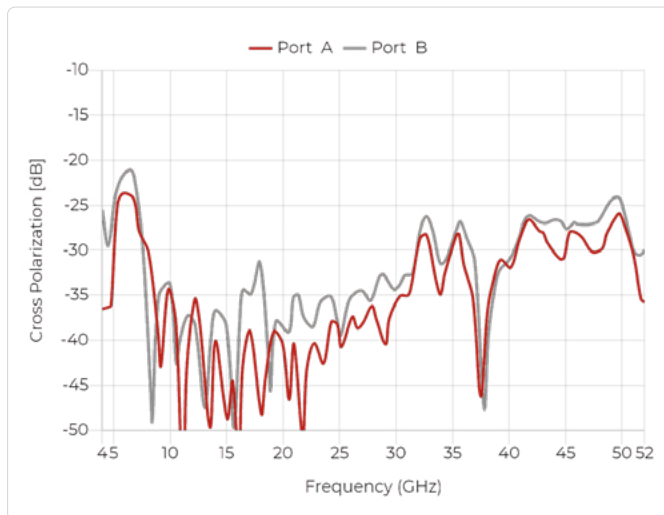
Antenna Factor



Port Isolation



Cross Polarization



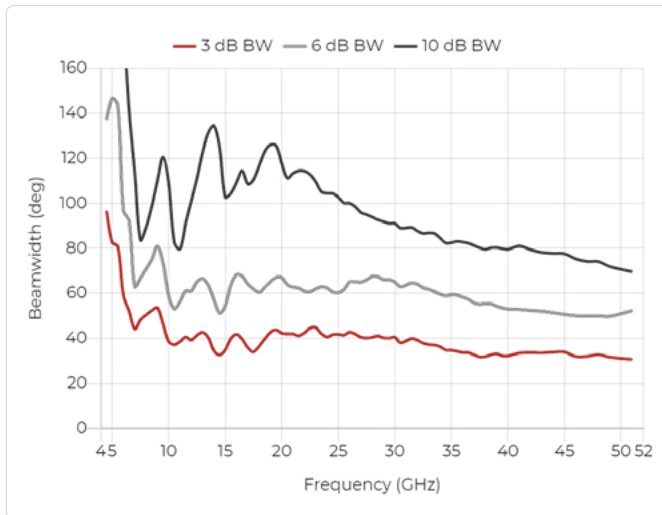
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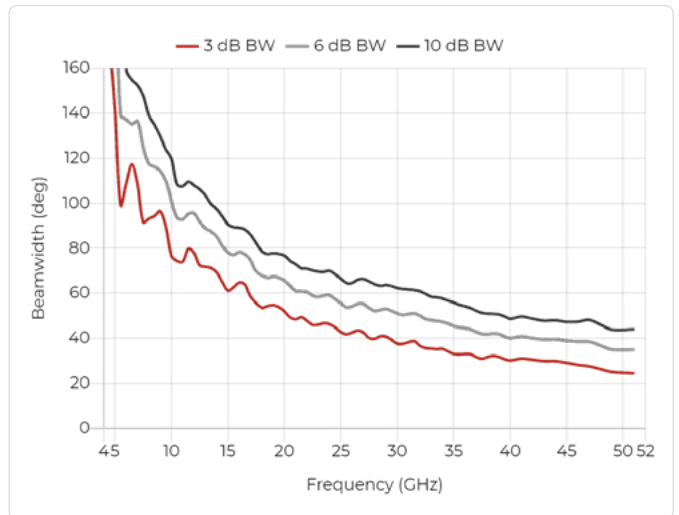
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Beamwidth

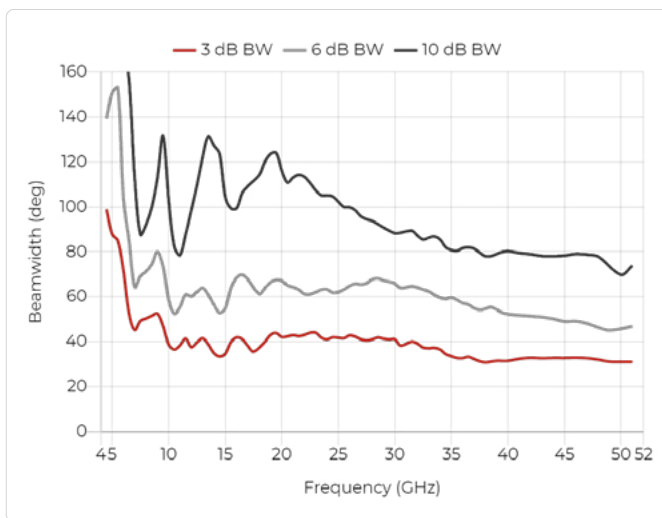
Port A, E plane



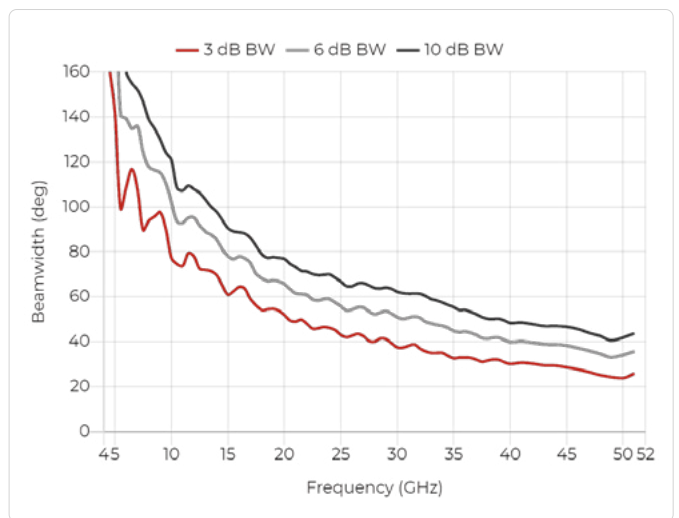
Port A, H plane



Port B, E plane



Port B, H plane



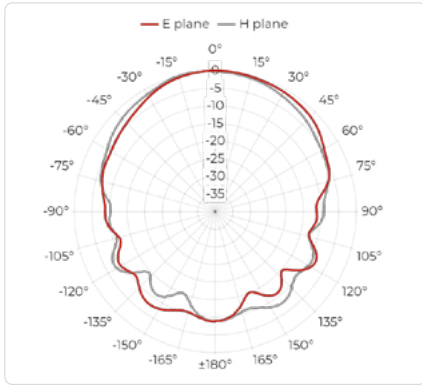
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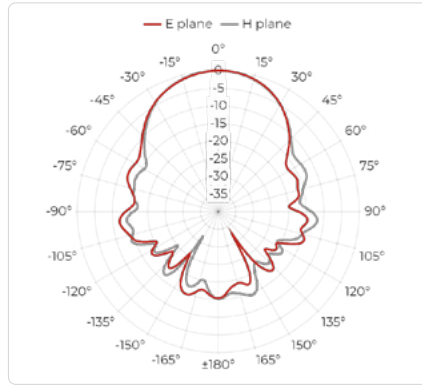
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Radiation Patterns - Port A

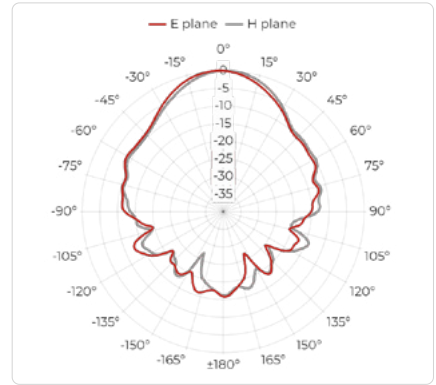
Port A, 5 GHz



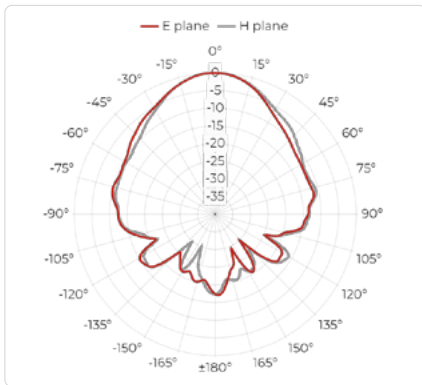
Port A, 8 GHz



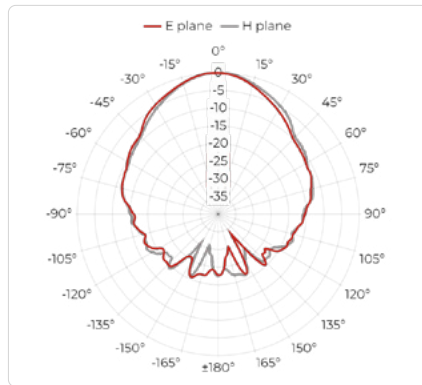
Port A, 10 GHz



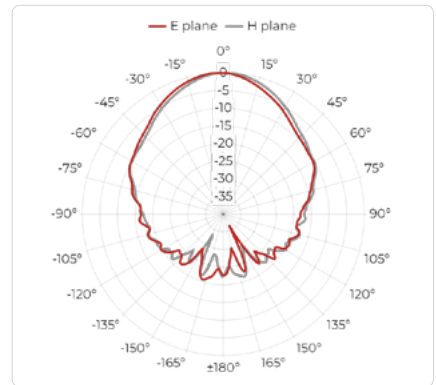
Port A, 12 GHz



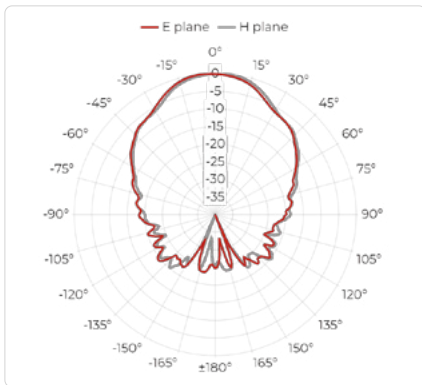
Port A, 16 GHz



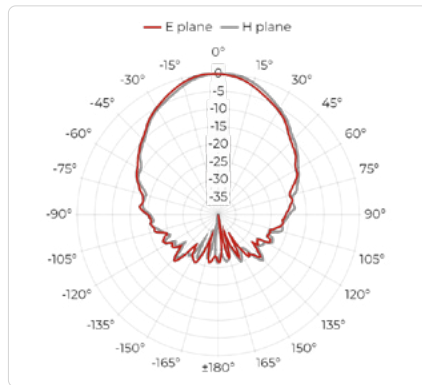
Port A, 20 GHz



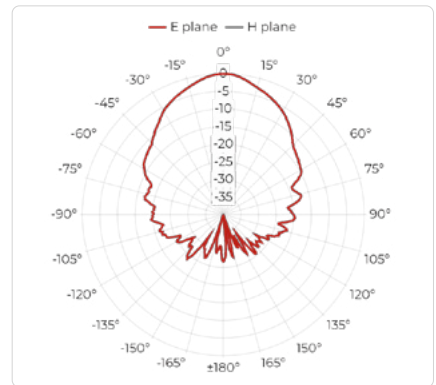
Port A, 25 GHz



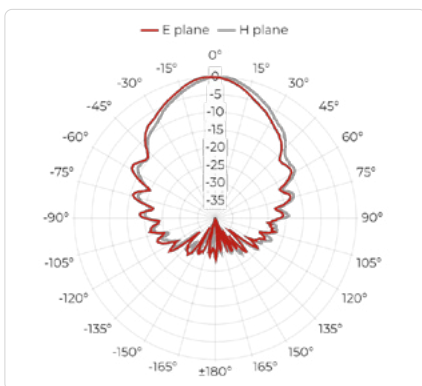
Port A, 30 GHz



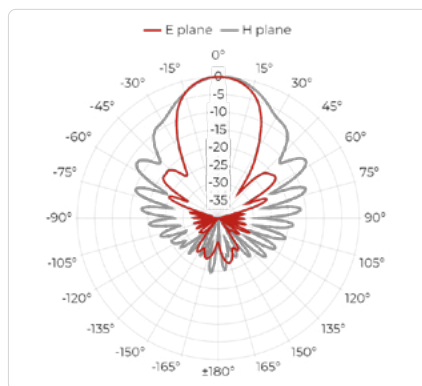
Port A, 35 GHz



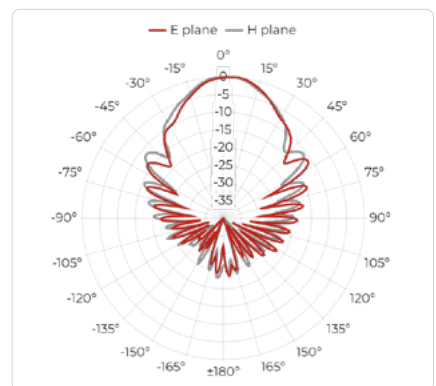
Port A, 40 GHz



Port A, 45 GHz



Port A, 50 GHz

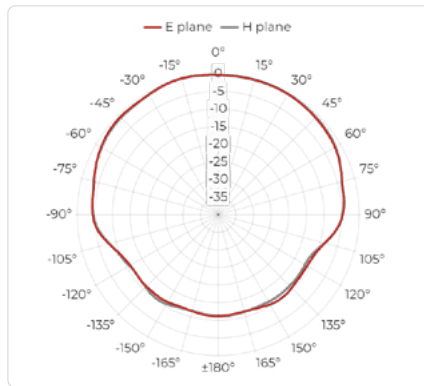


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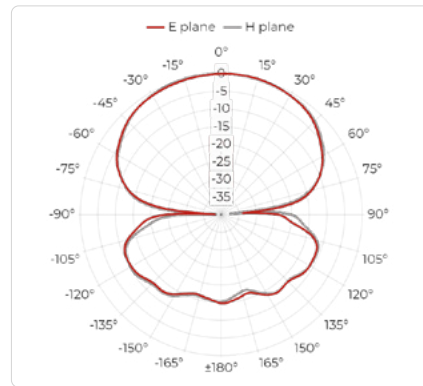
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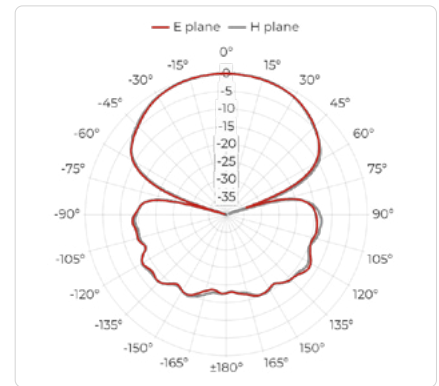
Port B, 5 GHz



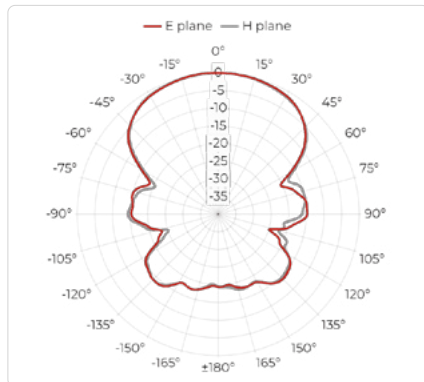
Port B, 8 GHz



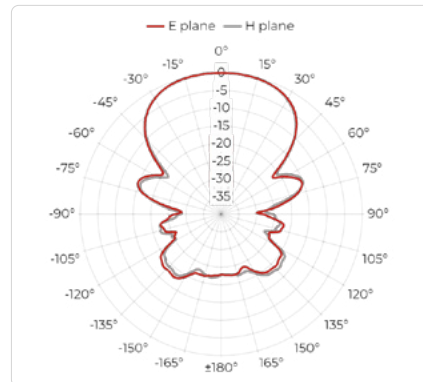
Port B, 10 GHz



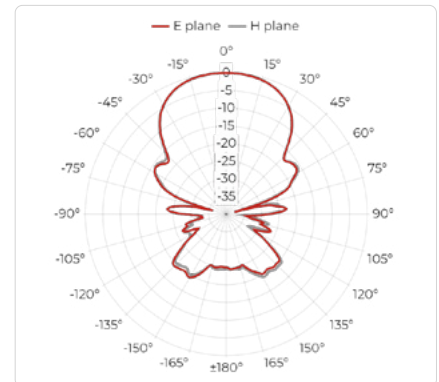
Port B, 12 GHz



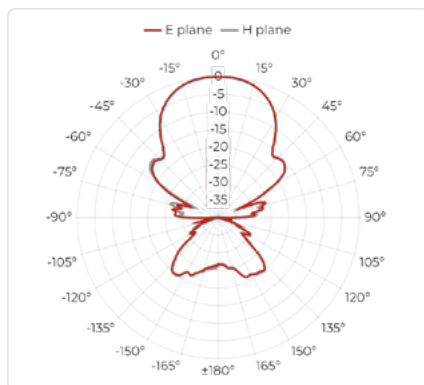
Port B, 16 GHz



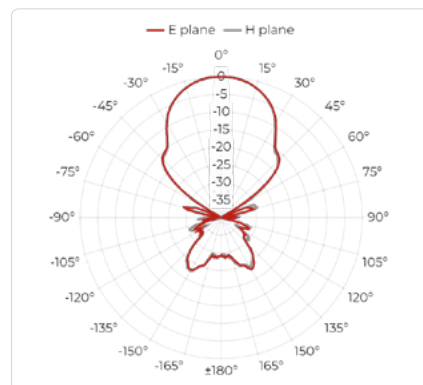
Port B, 20 GHz



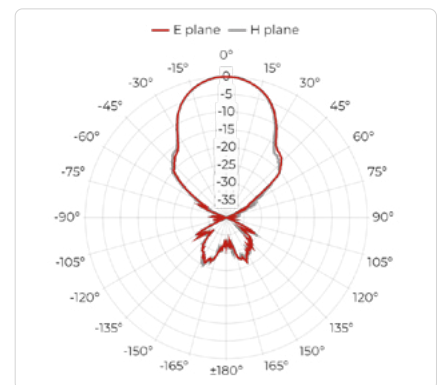
Port B, 25 GHz



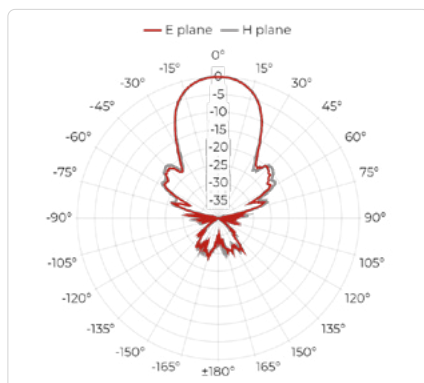
Port B, 30 GHz



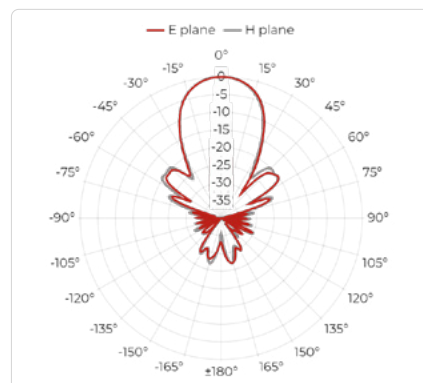
Port B, 35 GHz



Port B, 40 GHz



Port B, 45 GHz



Port B, 50 GHz

