

Covert Wideband Monitoring Antenna

20 – 6000 MHz

VERSION: 1.1

Product Code: OMNI-A0358

SPECIFICATIONS:



Product Codes:	
OMNI-A0358-01	Active version
OMNI-A0358-02	Passive version
Electrical:	
Frequency range	20 – 6000 MHz
Gain	See graph
Polarisation	Linear
Nominal impedance	50 Ω
Connector	SMA (f)
Active only:	
OP1dB (typ.)	11 – 15.5 dBm
OIP3 (typ.)	24 – 30 dBm
Noise figure	5 dB
DC voltage supply	15 ± 1 VDC
Supply current	< 150 mA
Amplifier gain	10 dB nominal
Mechanical:	
Dimensions (l x w)	390mm x 270 mm
Total mass	< 1.5 kg

PRODUCT FEATURES:

- Covert
- Wideband frequency spectrum monitoring
- Lightweight

PRODUCT OVERVIEW:

The OMNI-A0358 is a covert, ultra-wideband antenna. The antenna is placed inside a semi-hardened laptop case to avoid drawing any attention.

An active and passive version is available. Gain and radiation patterns can be seen below, with the active version providing better gain.

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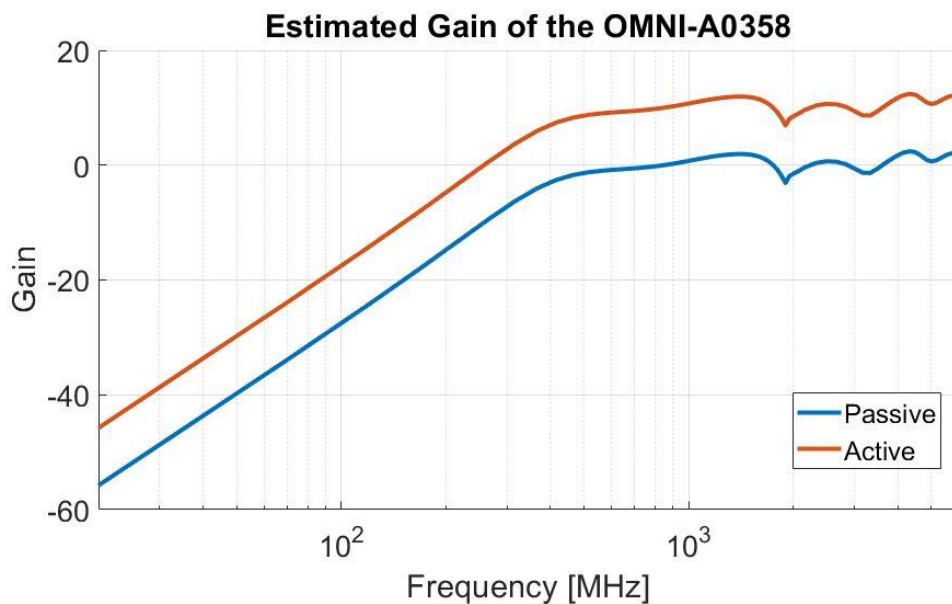
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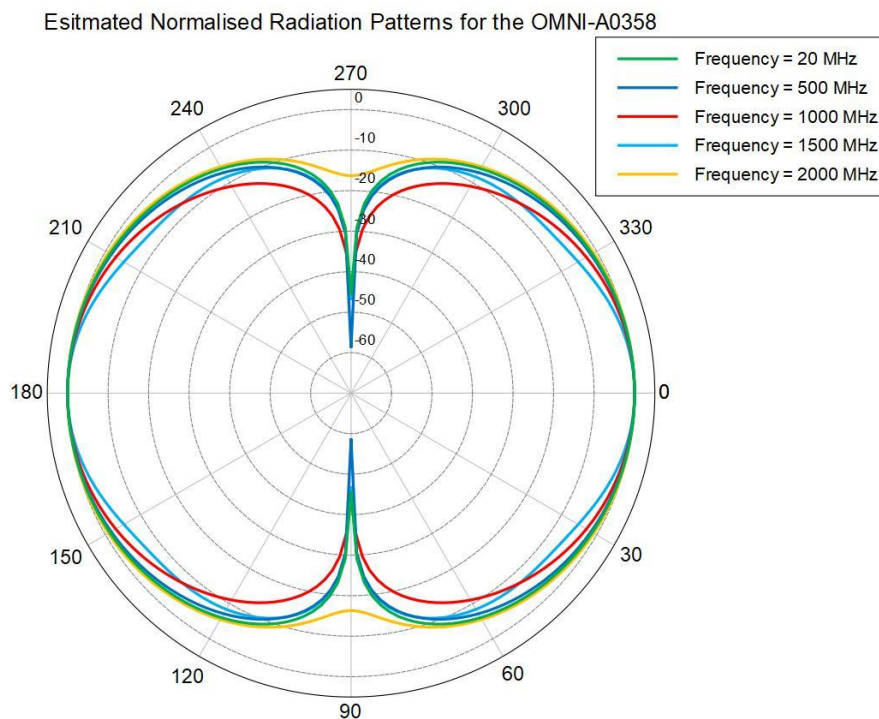
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Simulated gain:



Simulated Radiation Patterns:



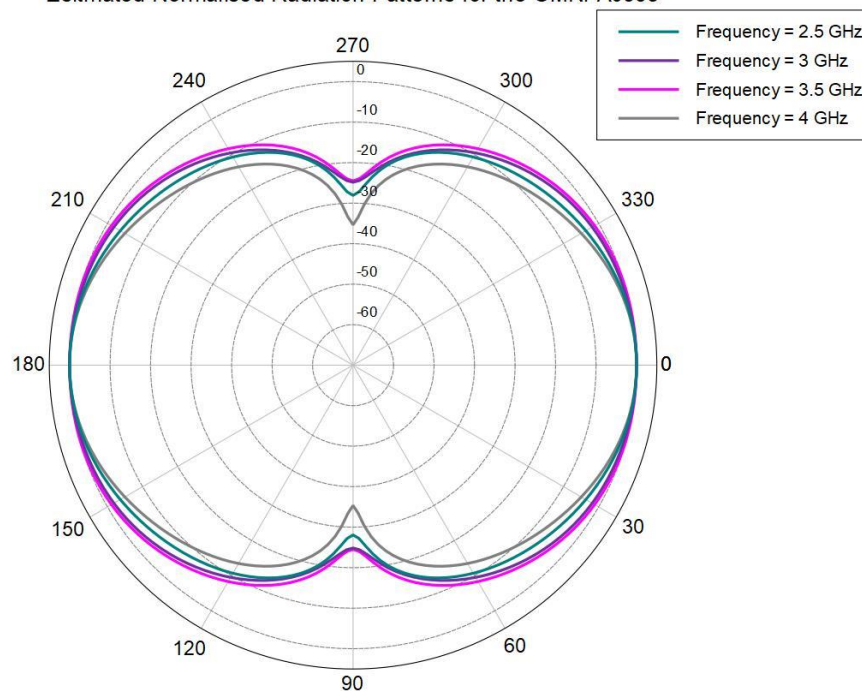
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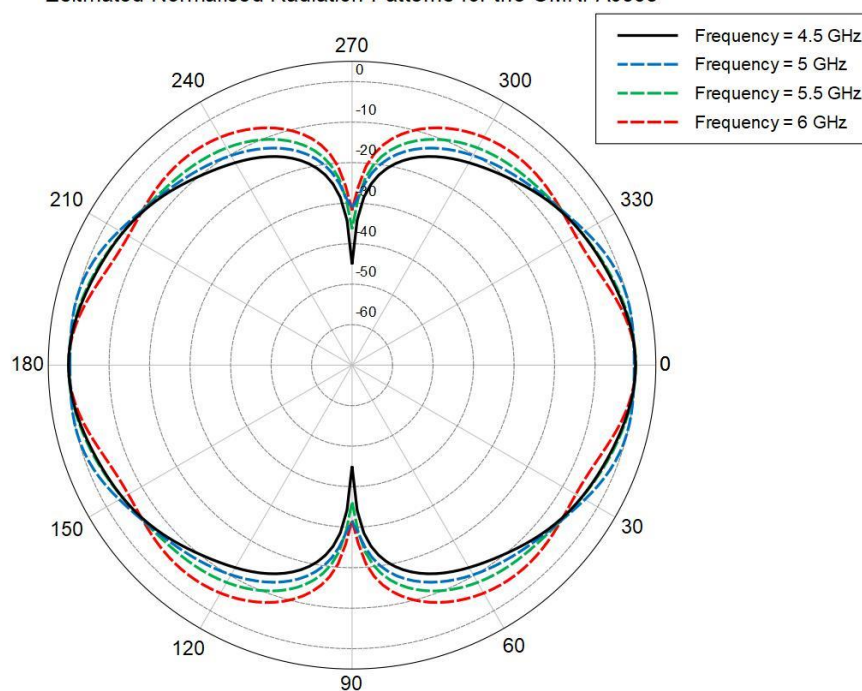
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Estimated Normalised Radiation Patterns for the OMNI-A0358



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