

For reference only. See data sheet for the detailed specifications.

Technical Specification



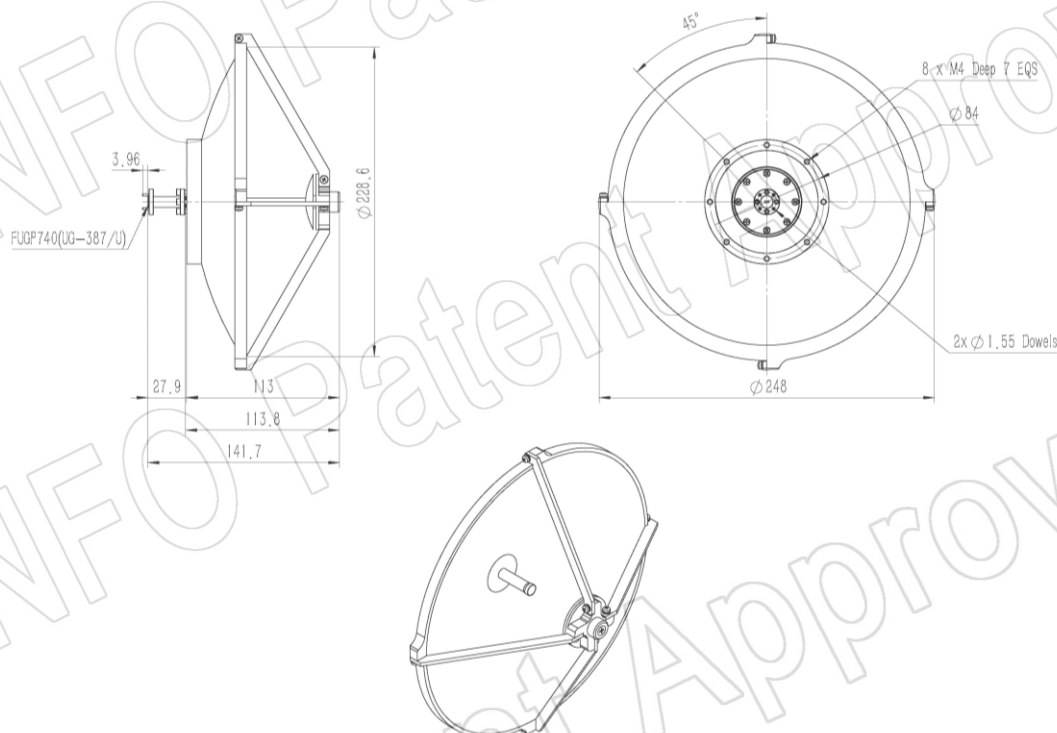
Frequency Range(GHz)	60.0 – 90.0
Waveguide	WR12
Gain(dBi)	40 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 1.1 Typ.
	H Plane: 1.1 Typ.
Sidelobe Level(dB)	E Plane: 13 Typ.
	H Plane: 15 Typ.
Cross Pol. Isolation(dB)	40 Typ.
VSWR	A Type: 1.20:1 Typ.
	C Type: 1.40:1 Typ.
Output	A Type: FUGP740(UG-387/U)
	C Type: 1.0mm-Female
Material	Al
Size(mm)	A Type: 248 x 248 x 141.7
	C Type: 248 x 248 x 166.6
Net Weight(Kg)	A Type: 0.69 Around
	C Type: 0.72 Around

PATENT ID (China)

ZL202120619535.2, ZL202130167432.2

Outline Drawing (Size: mm)

FUGP740 Output (P/N: KSC-12-20-A)



AINFO Inc.

China(Beijing):
China(Chengdu):
USA :

Tel: (+86) 10-6266-7326,
Tel: (+86) 28-8519-2786,
Tel: (+1) 949-639-9688,

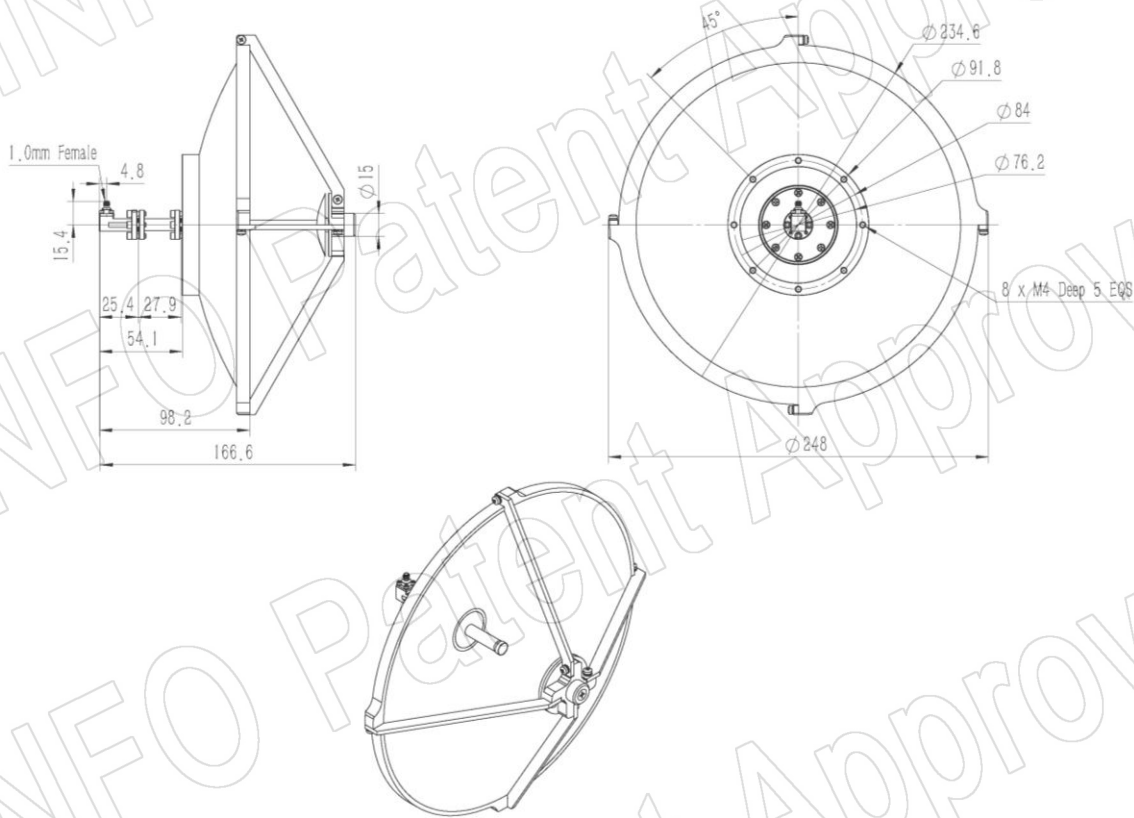
(+86) 10-6266-7327
(+86) 28-8519-3044
(+1) 949-639-9608

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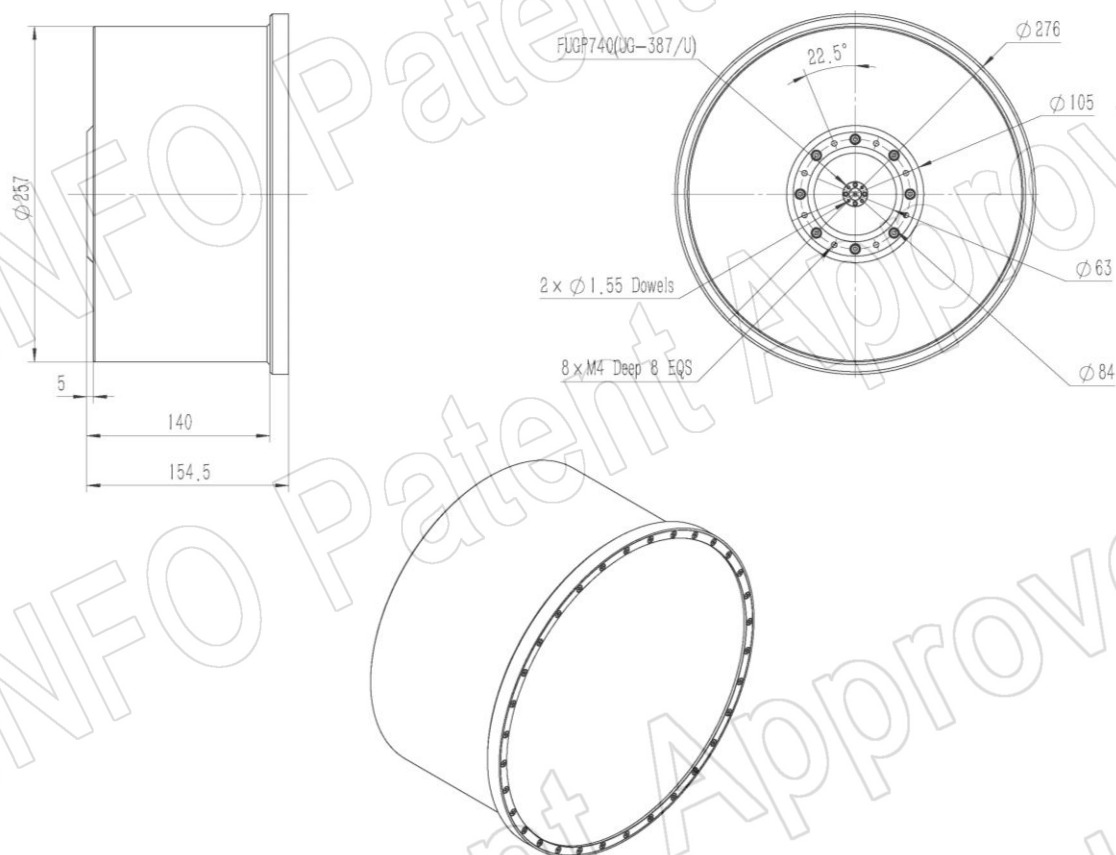
Fax: (+86) 10-6266-7379
Fax: (+86) 28-8519-3068
Fax: (+1) 949-639-9670

Website: www.ainfoinc.com
Email: sales@ainfoinc.com

1.0mm-Female Output (P/N: KSC-12-20-C-1.0F)



FUGP740 Output With Radome (Option, P/N: KSC-12-20-ASPO, Outdoor Application)



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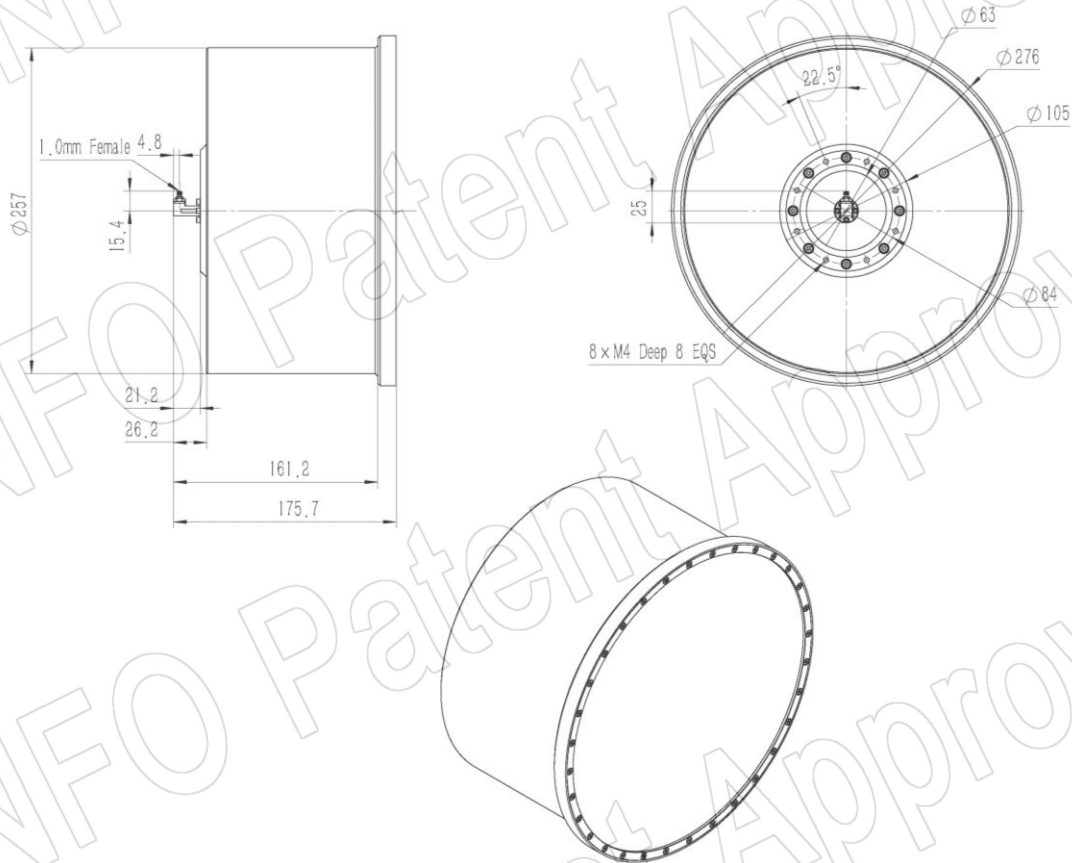
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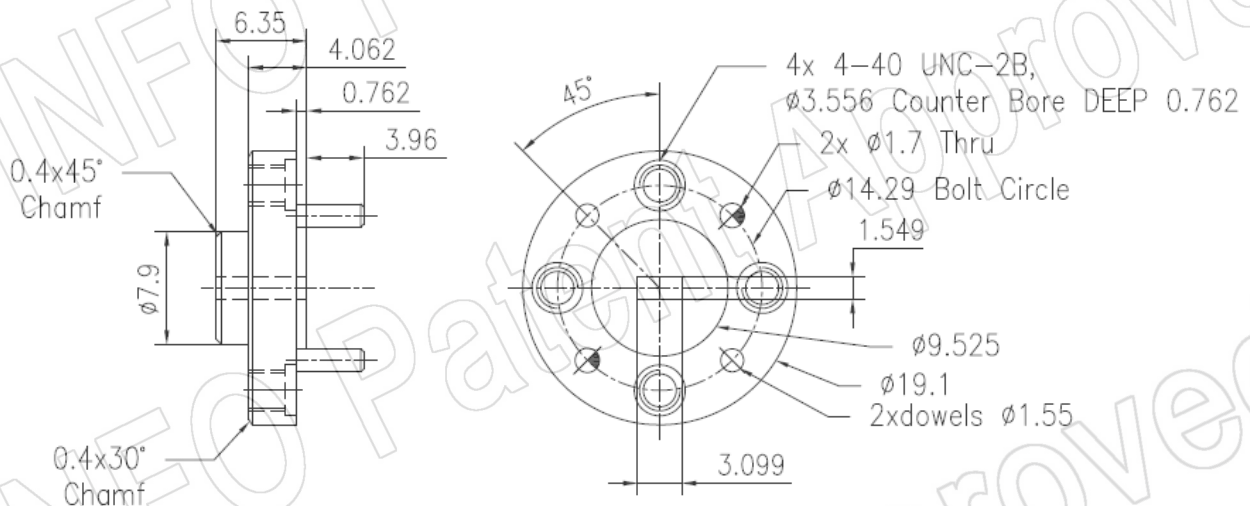
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1.0mm-Female Output with Radome (Option, P/N: KSC-12-20-C-1.0FSPO, Outdoor Application)



Flange Drawing (Size: mm)



FUGP740
(equivalent to UG-387/U)

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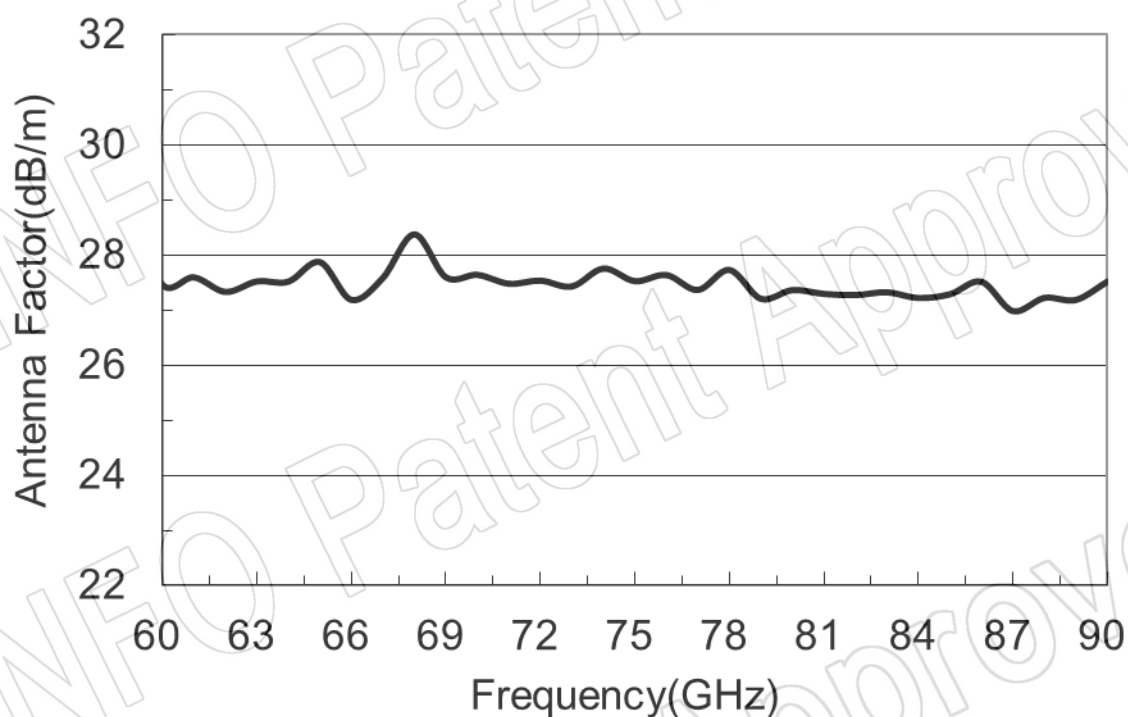
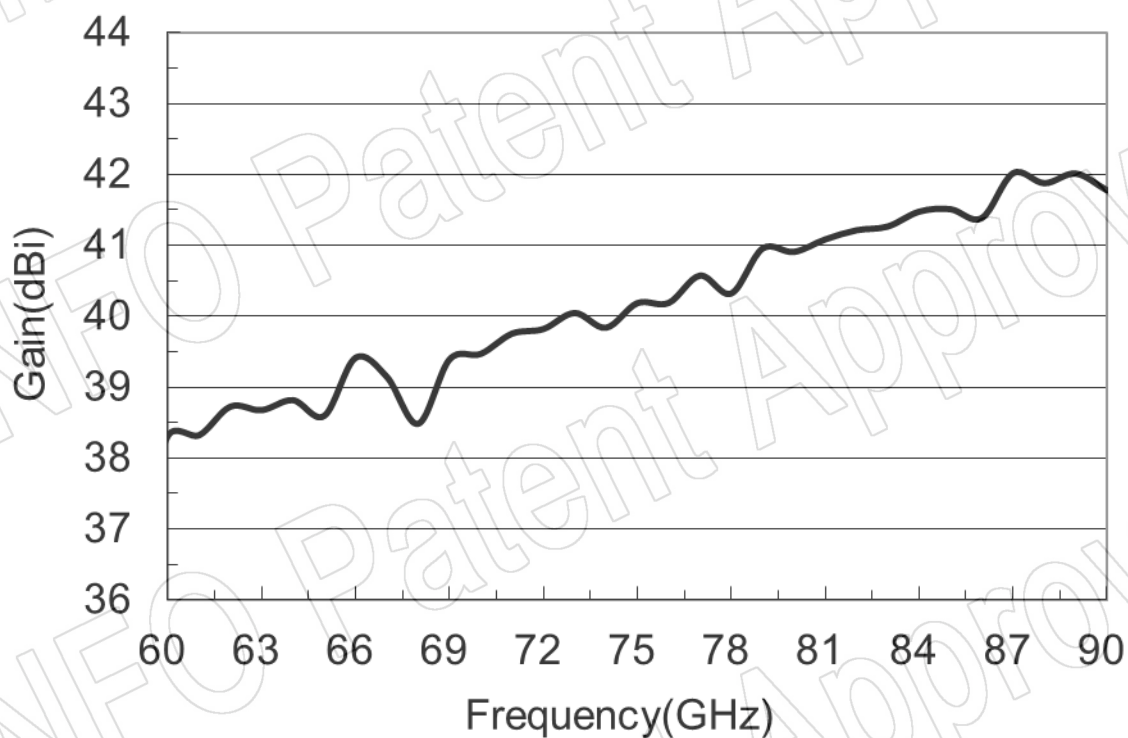
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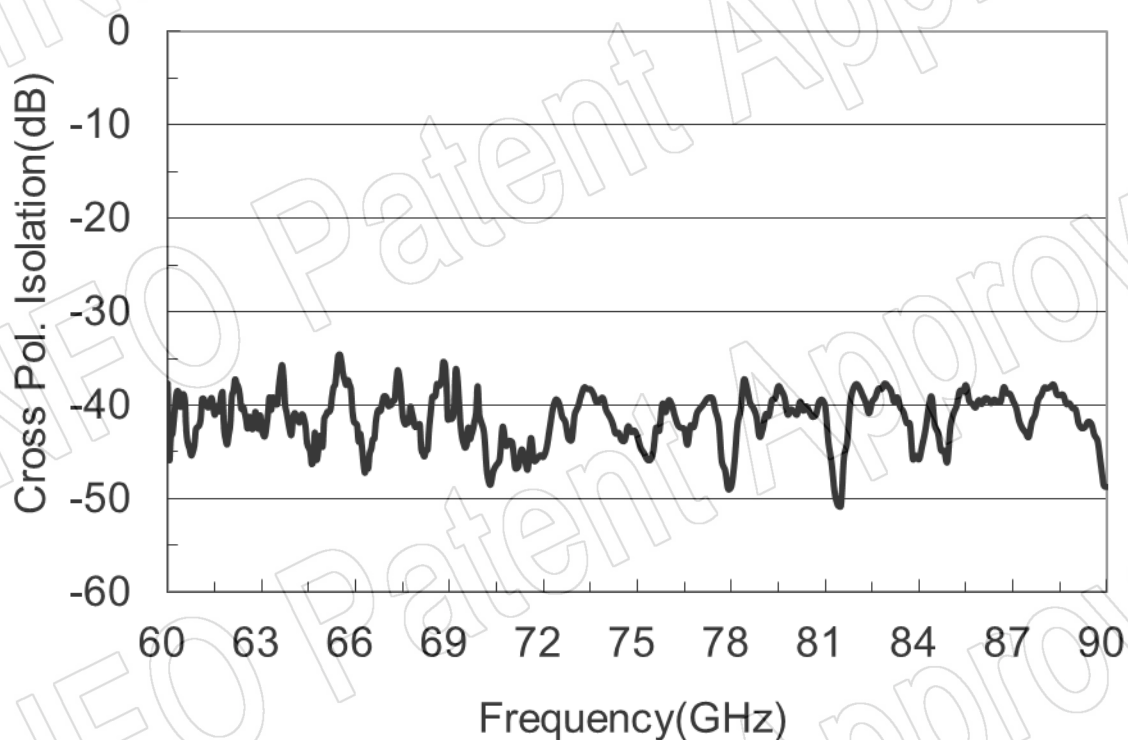
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Test Results

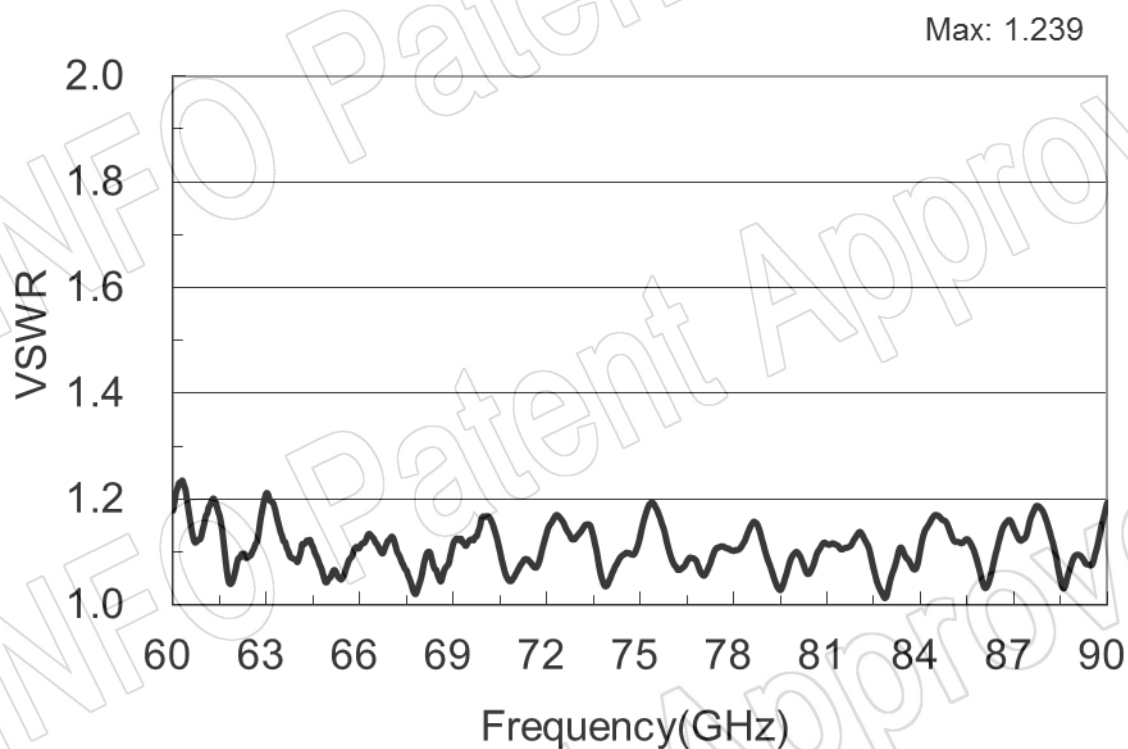
1. Gain & Antenna Factor



2. Cross Polarization Isolation



3. VSWR_A Type



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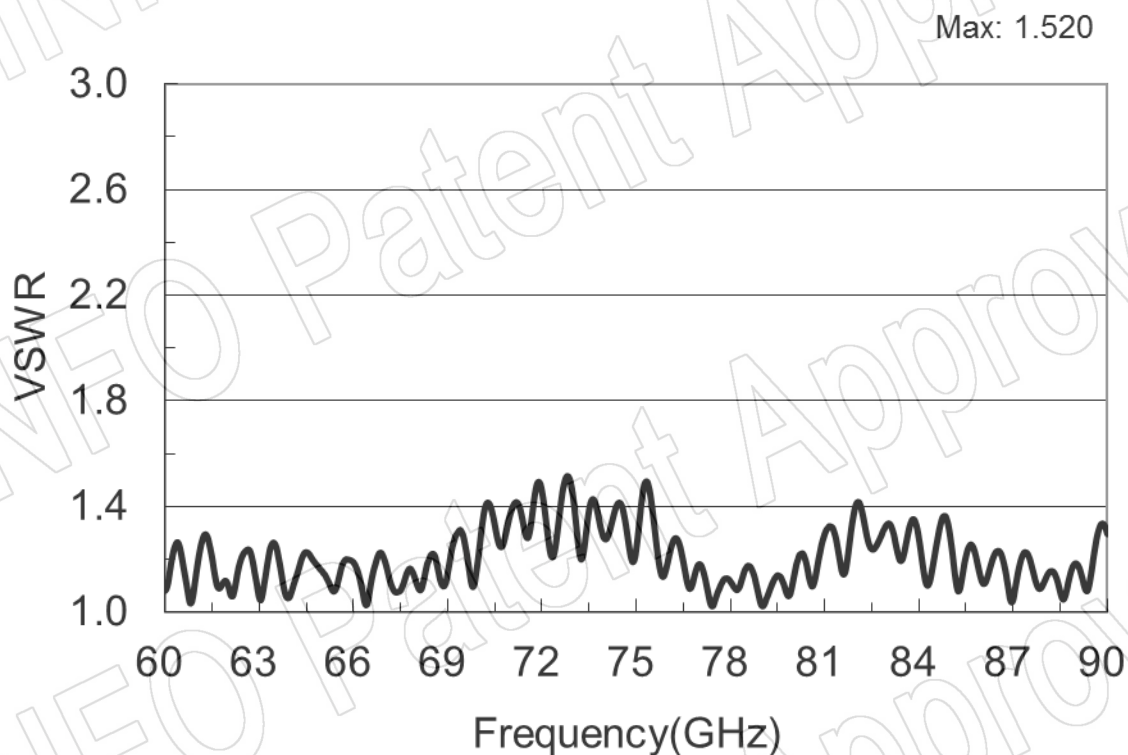
(+86) 10-6266-7327
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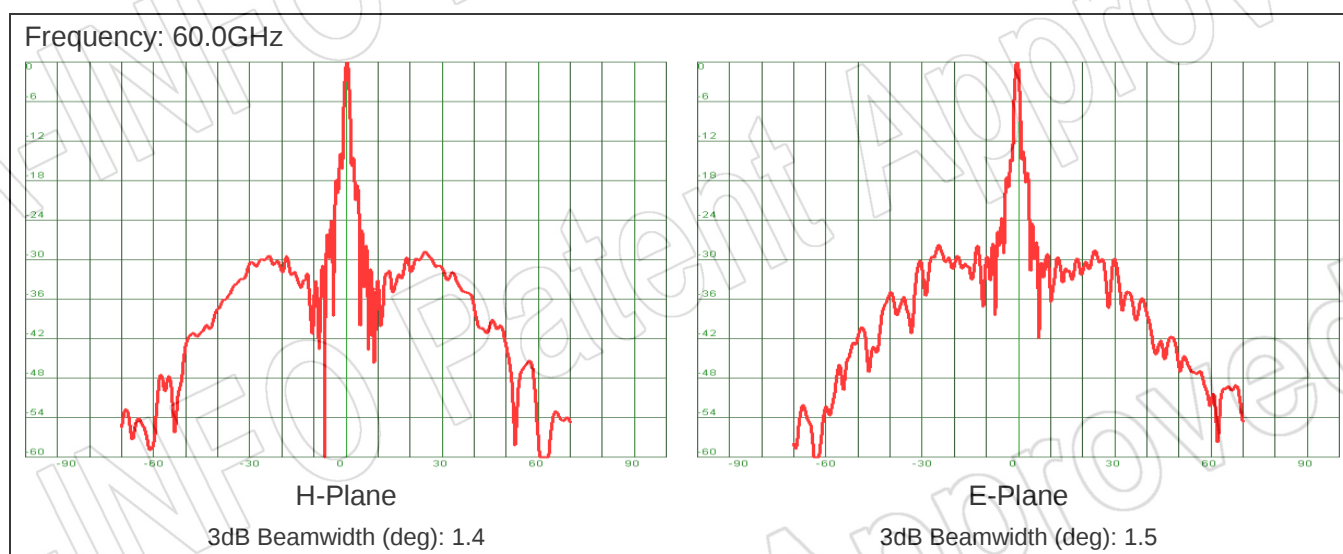
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VSWR_C Type



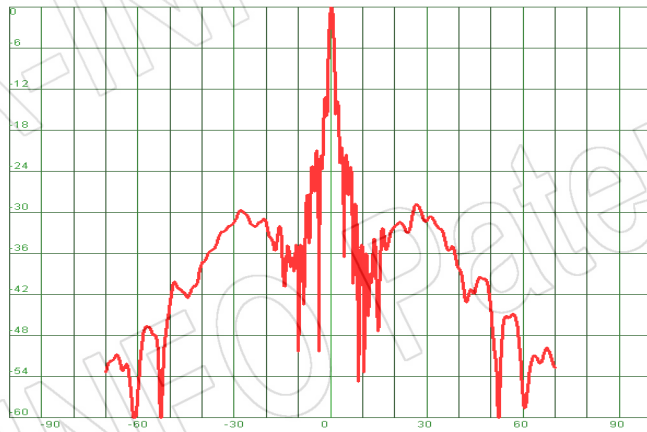
4. Pattern

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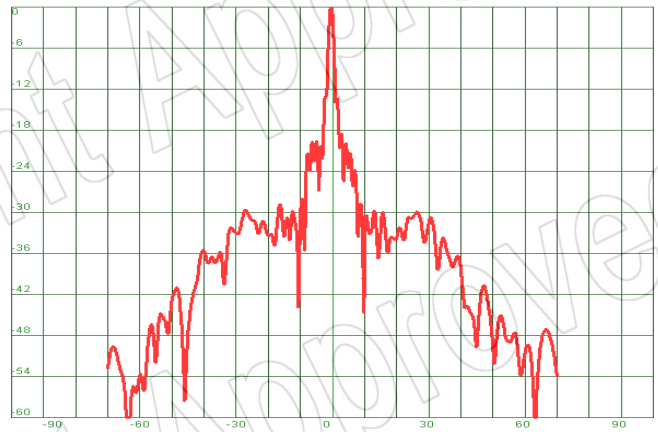
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Frequency: 60.5GHz



H-Plane

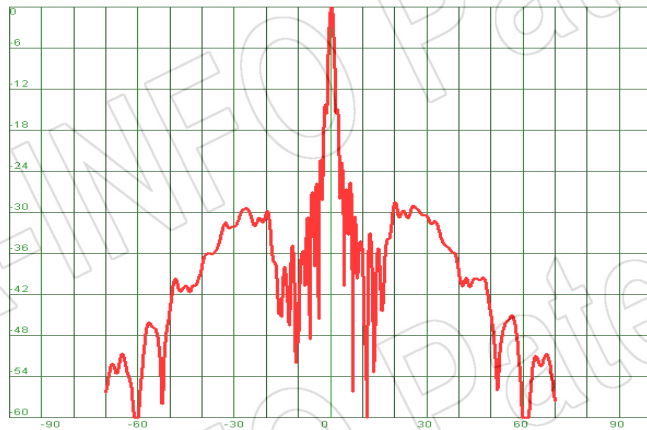
3dB Beamwidth (deg): 1.4



E-Plane

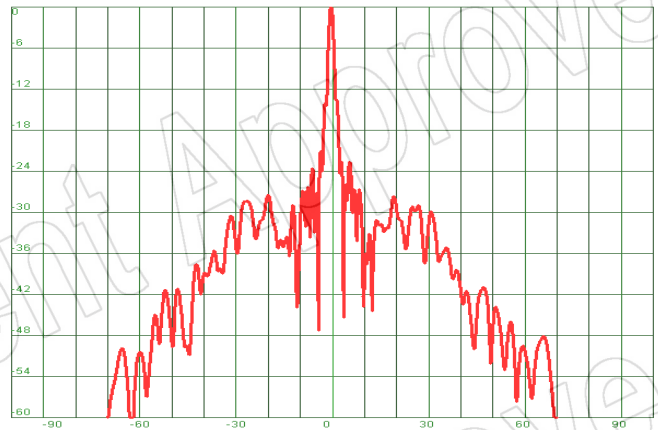
3dB Beamwidth (deg): 1.4

Frequency: 61.0GHz



H-Plane

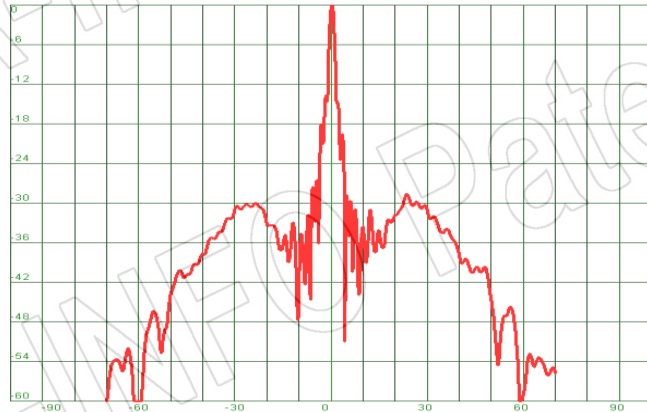
3dB Beamwidth (deg): 1.4



E-Plane

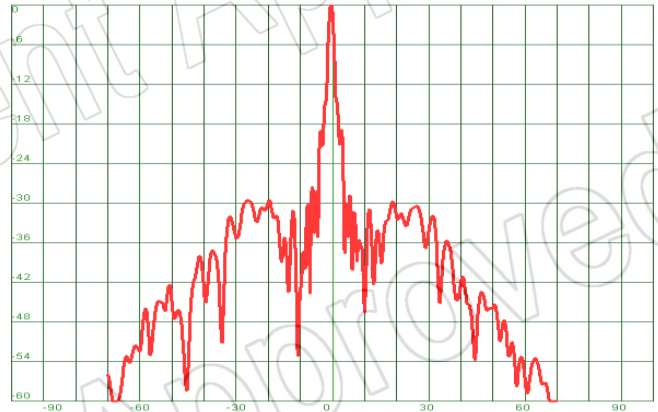
3dB Beamwidth (deg): 1.3

Frequency: 61.5GHz



H-Plane

3dB Beamwidth (deg): 1.4



E-Plane

3dB Beamwidth (deg): 1.5

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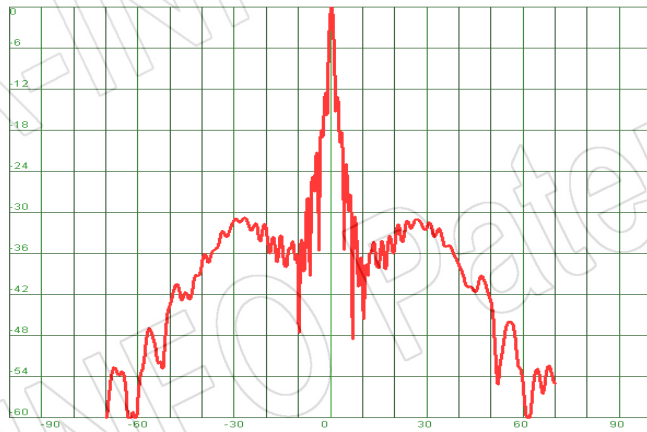
Tel: (+86) 10-6266-7326,
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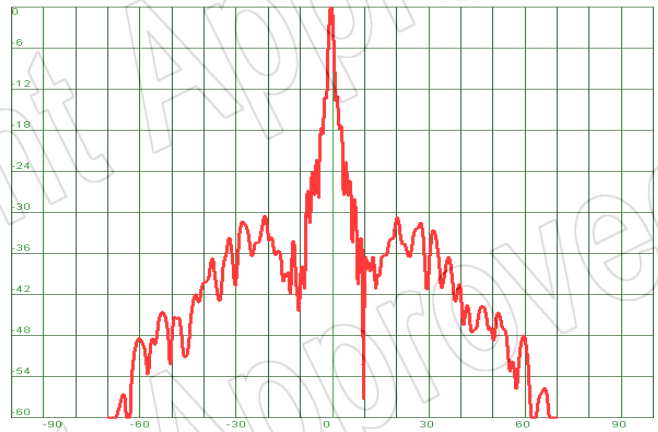
Website: www.ainfoinc.com
Email: sales@ainfoinc.com

Frequency: 62.0GHz



H-Plane

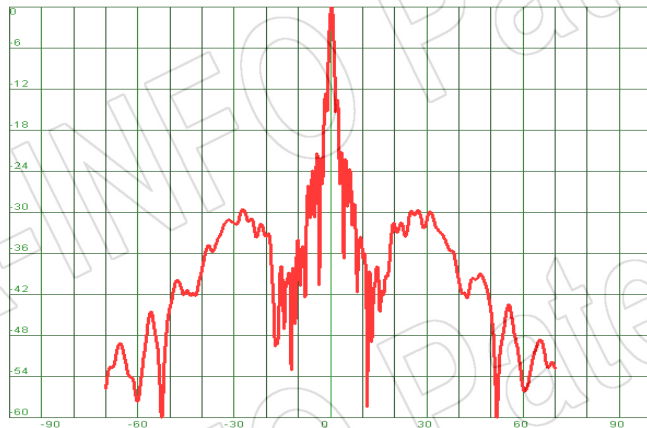
3dB Beamwidth (deg): 1.4



E-Plane

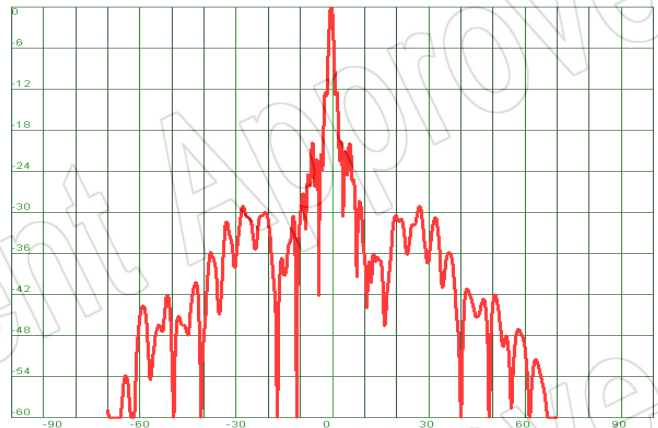
3dB Beamwidth (deg): 1.3

Frequency: 62.5GHz



H-Plane

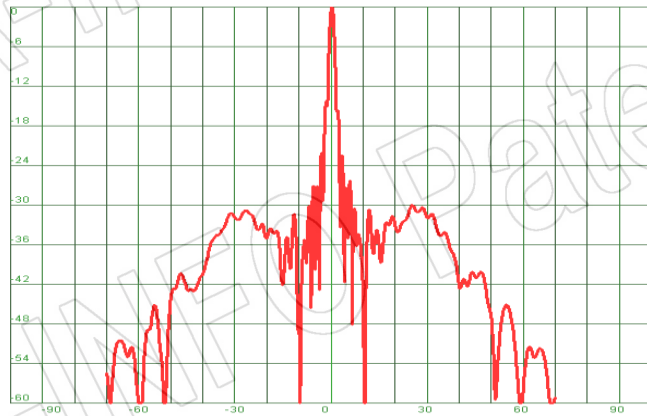
3dB Beamwidth (deg): 1.3



E-Plane

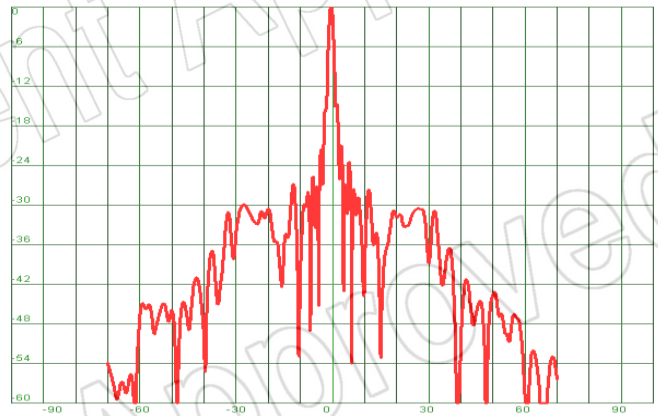
3dB Beamwidth (deg): 1.3

Frequency: 63.0GHz



H-Plane

3dB Beamwidth (deg): 1.4



E-Plane

3dB Beamwidth (deg): 1.3

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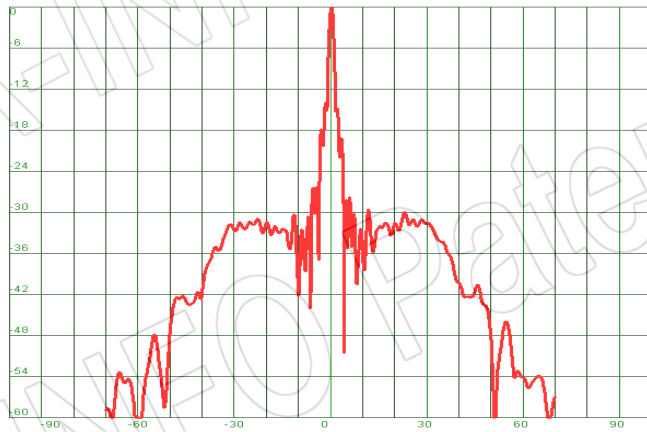
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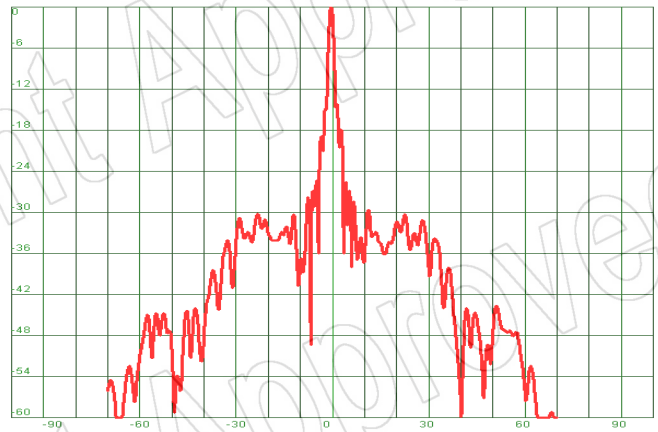
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Email: sales@ainfoinc.com

Frequency: 63.5GHz



H-Plane

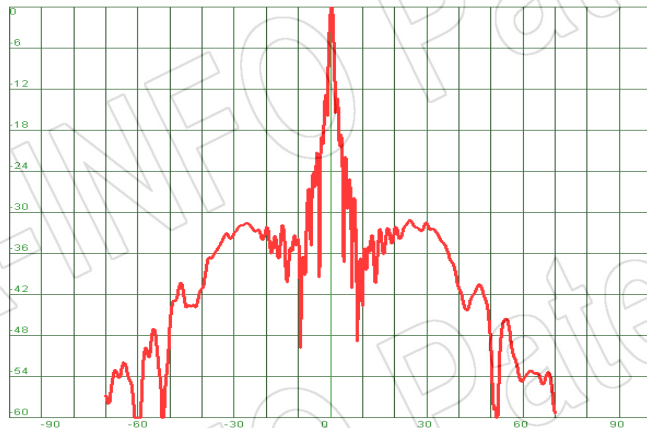
3dB Beamwidth (deg): 1.4



E-Plane

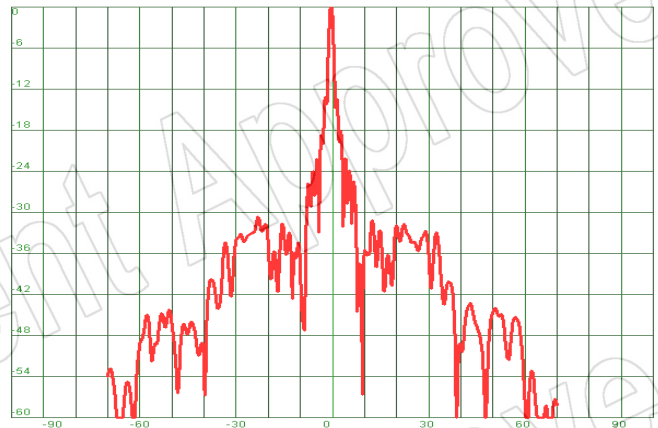
3dB Beamwidth (deg): 1.4

Frequency: 64.0GHz



H-Plane

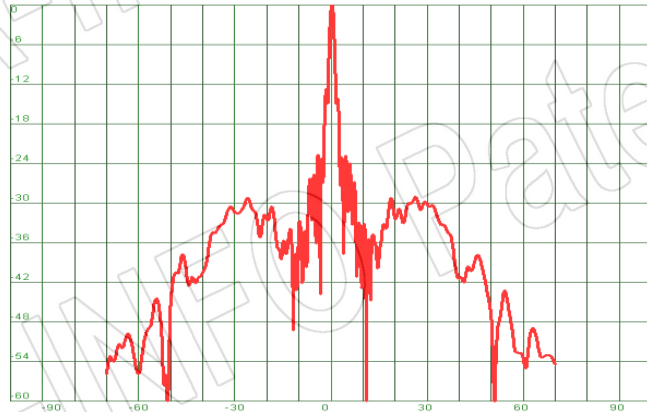
3dB Beamwidth (deg): 1.2



E-Plane

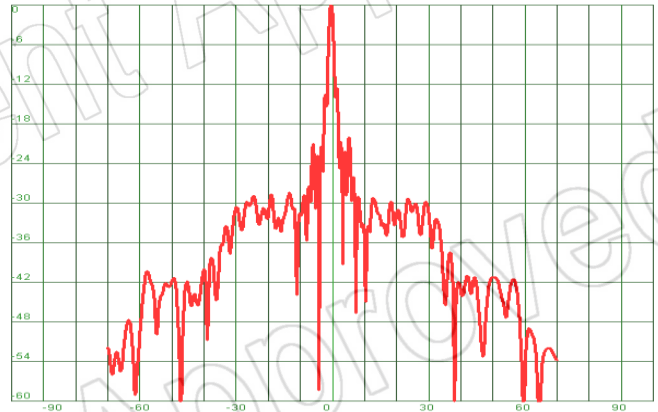
3dB Beamwidth (deg): 1.3

Frequency: 64.5GHz



H-Plane

3dB Beamwidth (deg): 1.3



E-Plane

3dB Beamwidth (deg): 1.3

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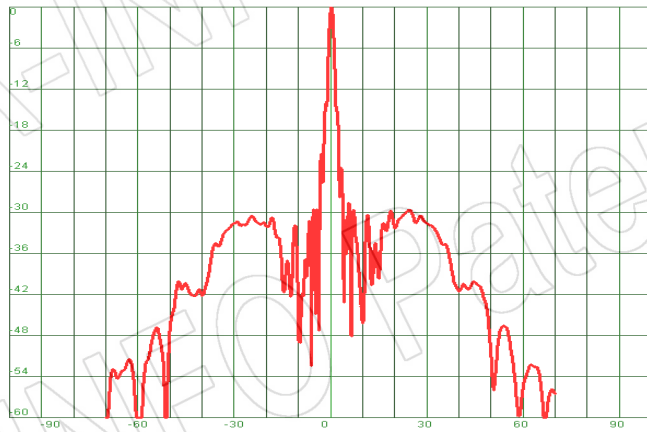
Tel: (+86) 10-6266-7326,
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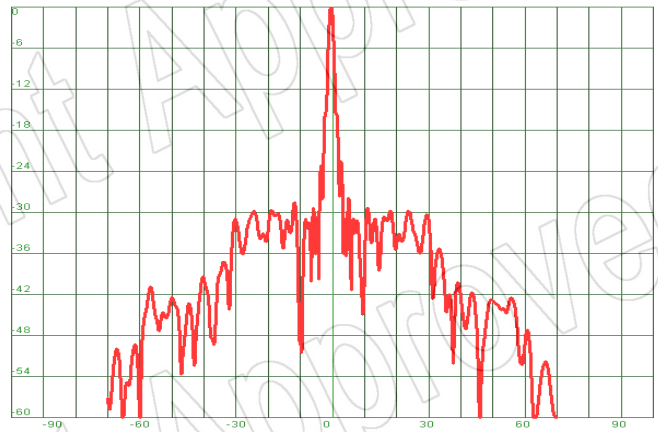
Website: www.ainfoinc.com
Email: sales@ainfoinc.com

Frequency: 65.0GHz



H-Plane

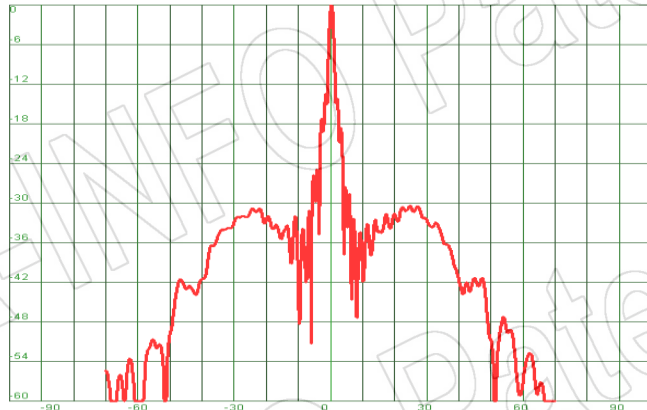
3dB Beamwidth (deg): 1.4



E-Plane

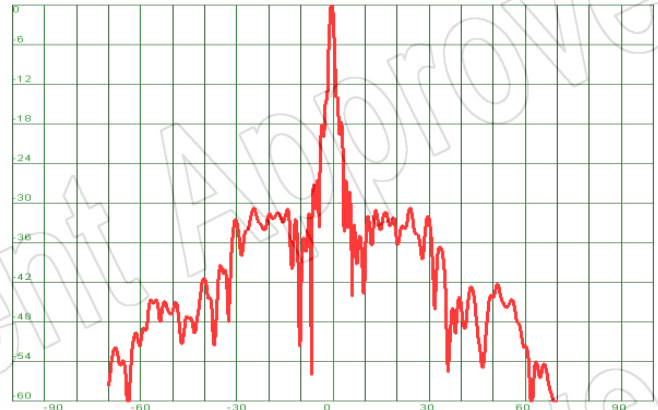
3dB Beamwidth (deg): 1.3

Frequency: 65.5GHz



H-Plane

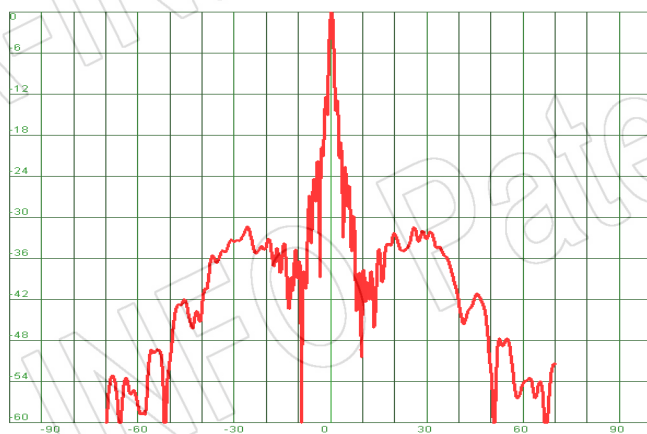
3dB Beamwidth (deg): 1.2



E-Plane

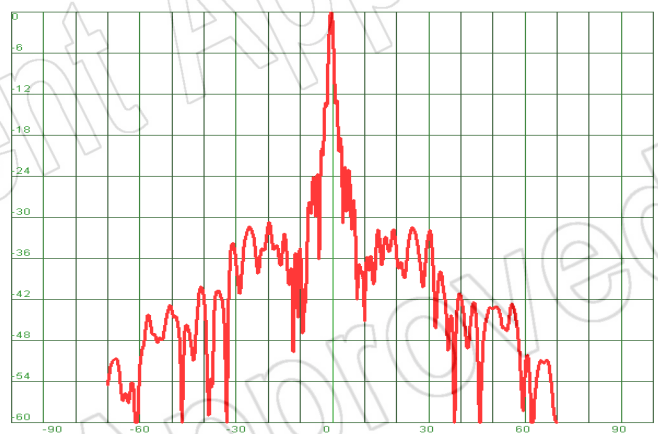
3dB Beamwidth (deg): 2.2

Frequency: 66.0GHz



H-Plane

3dB Beamwidth (deg): 1.2



E-Plane

3dB Beamwidth (deg): 1.3

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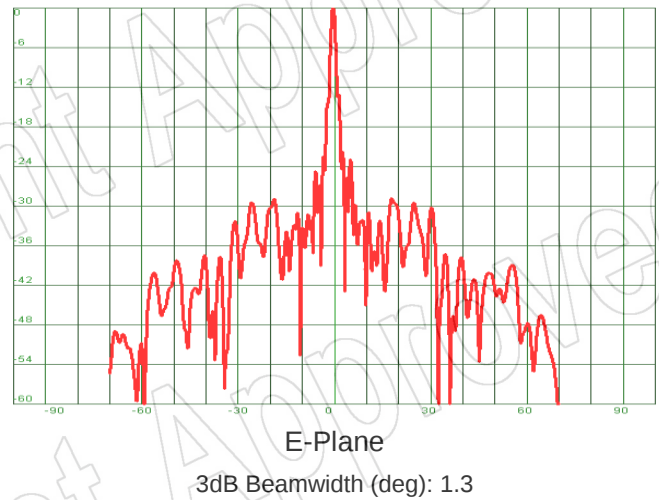
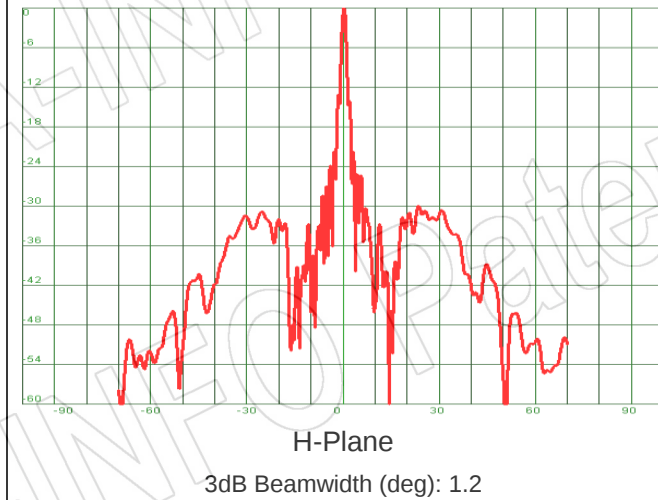
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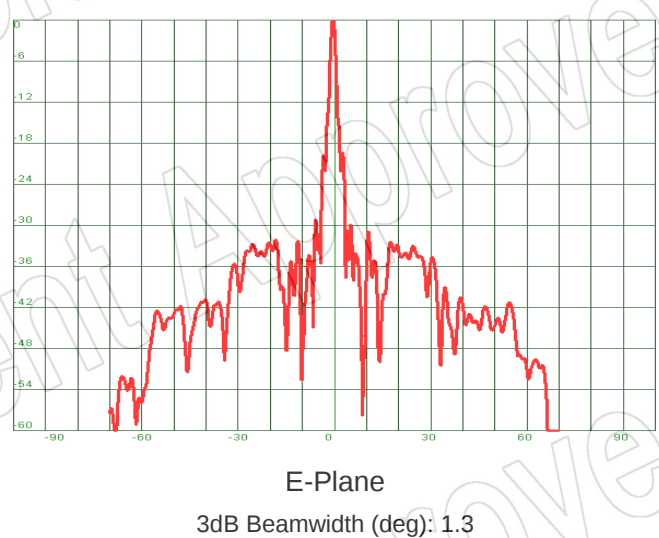
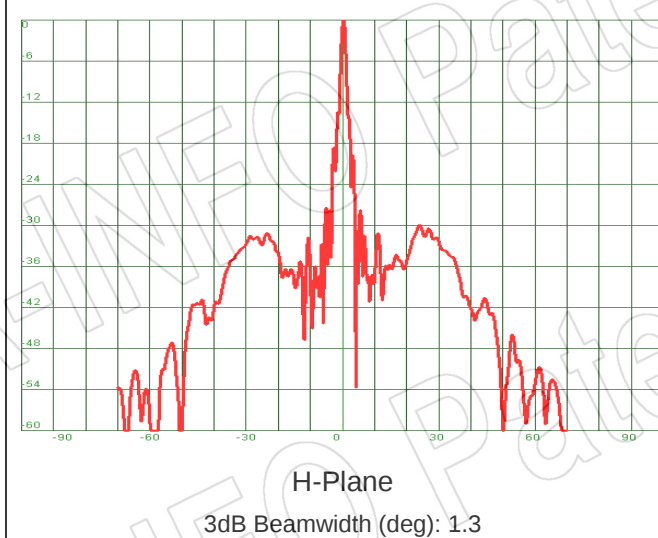
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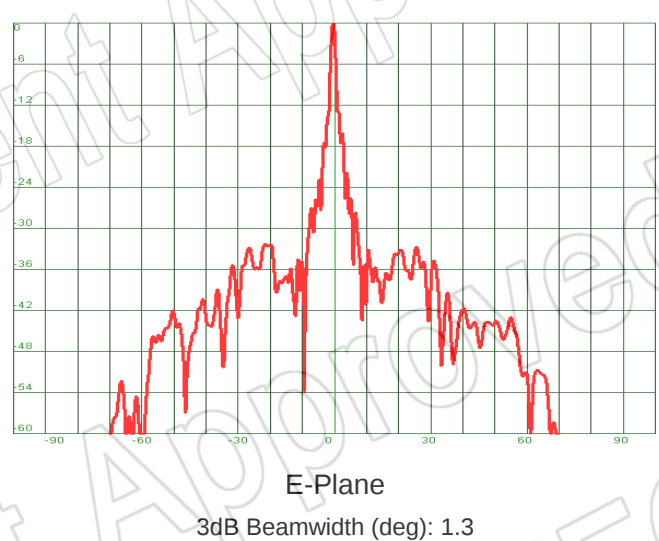
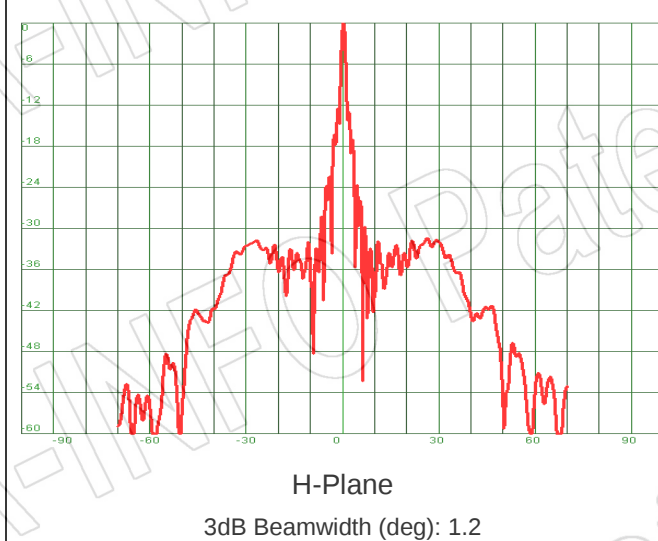
Frequency: 66.5GHz

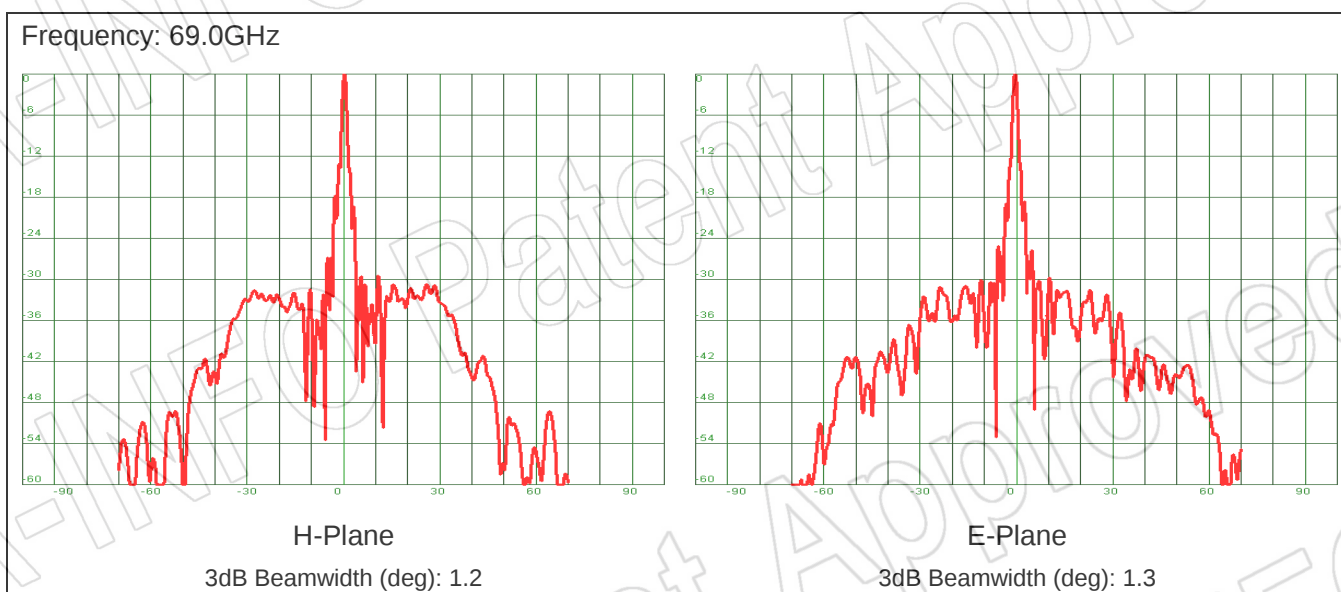
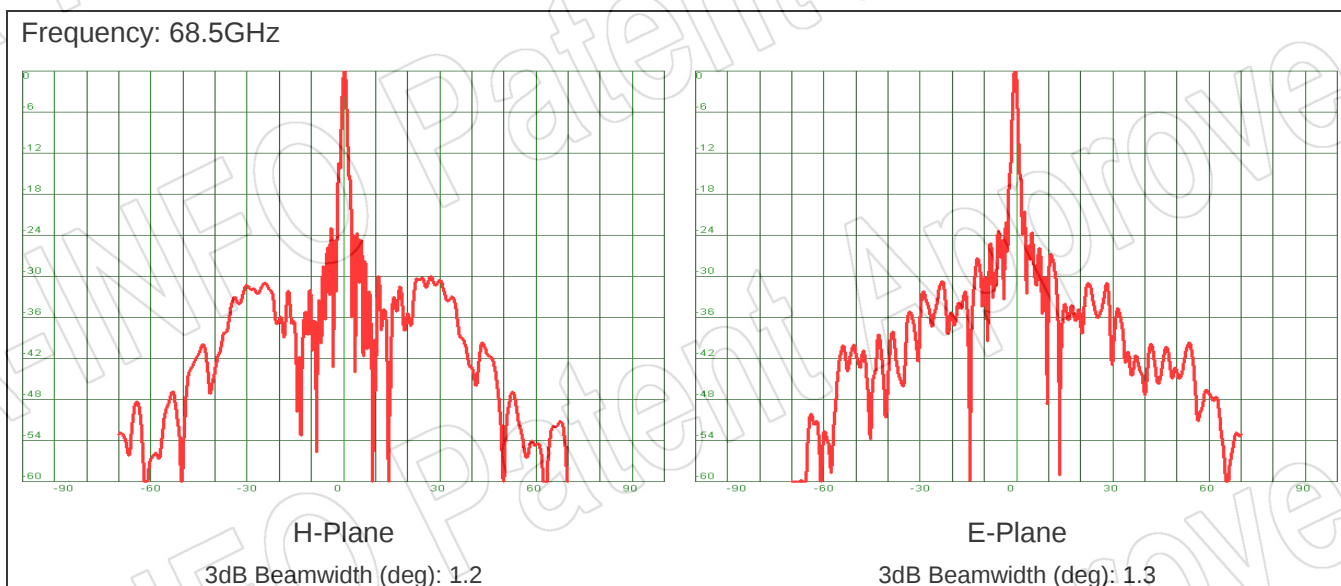
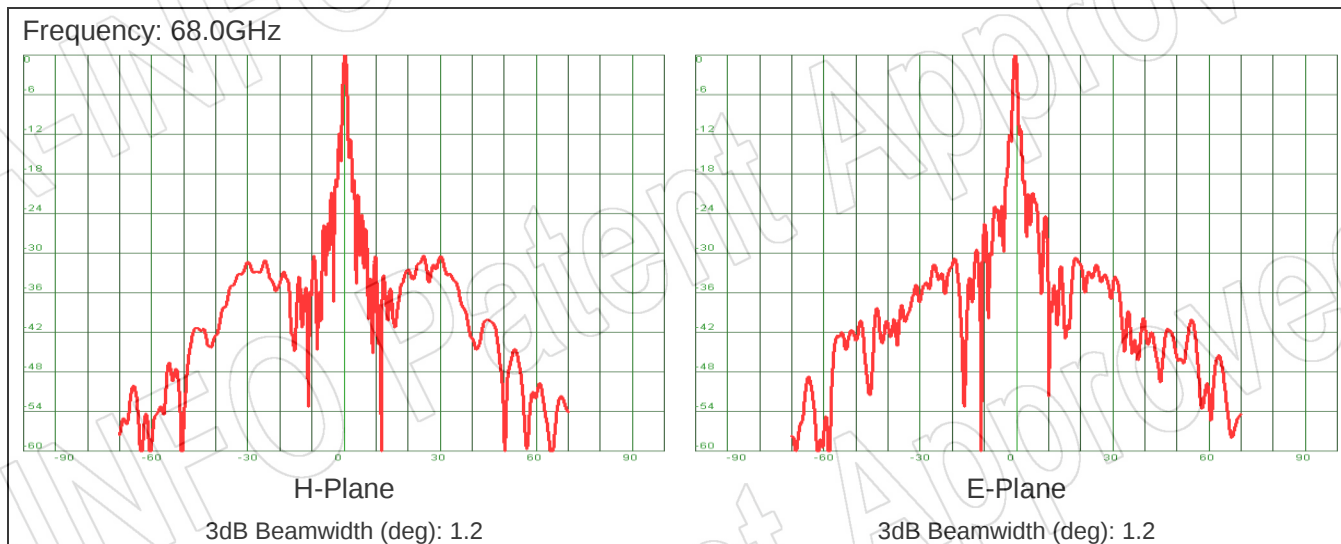


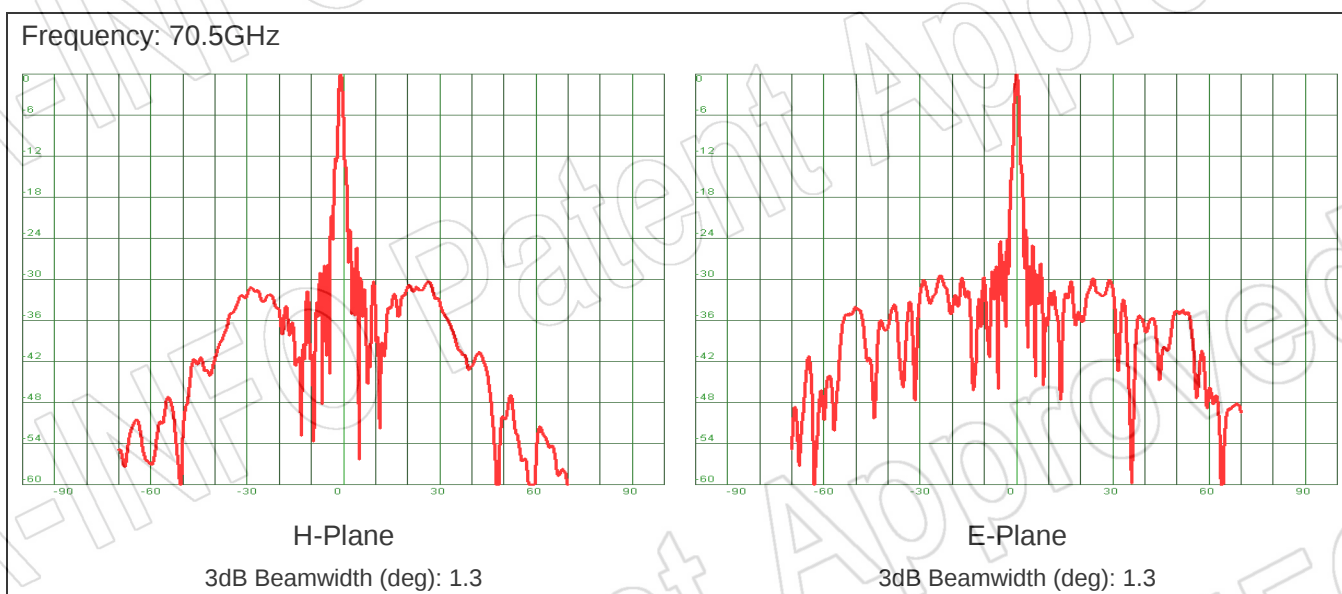
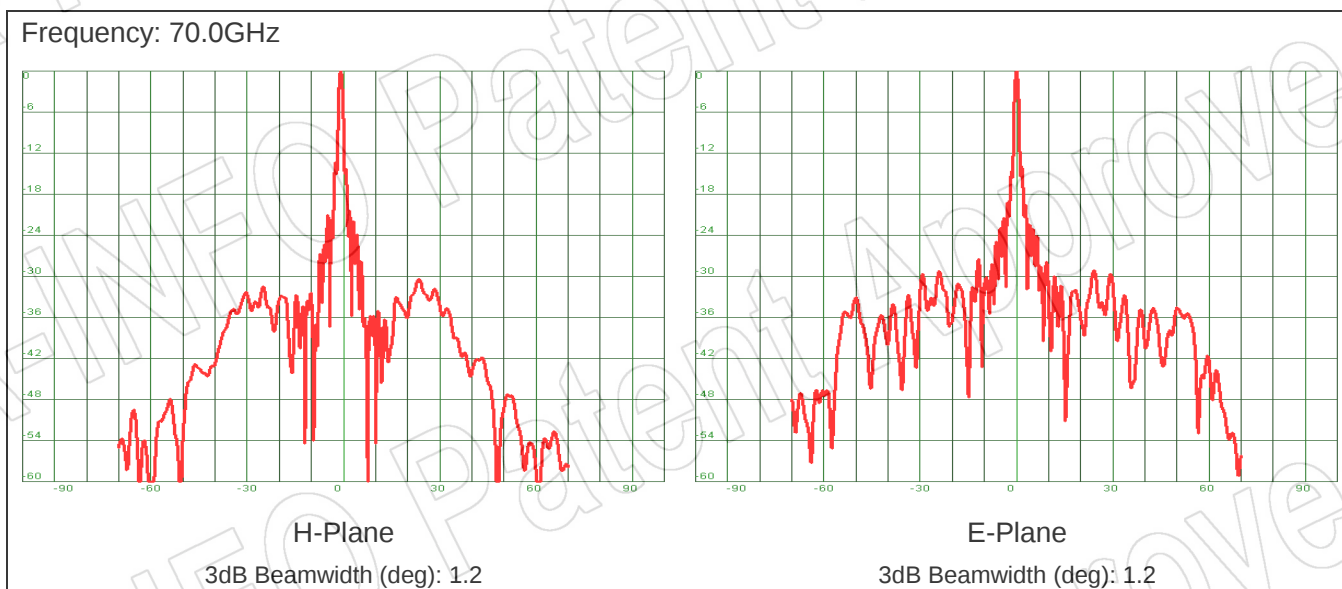
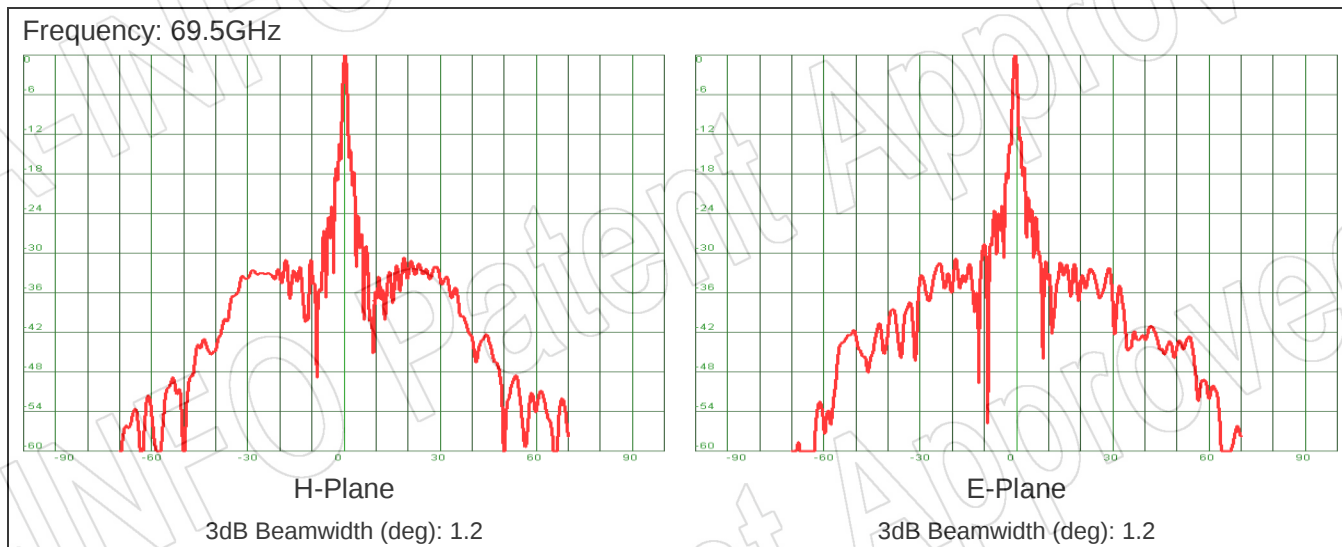
Frequency: 67.0GHz

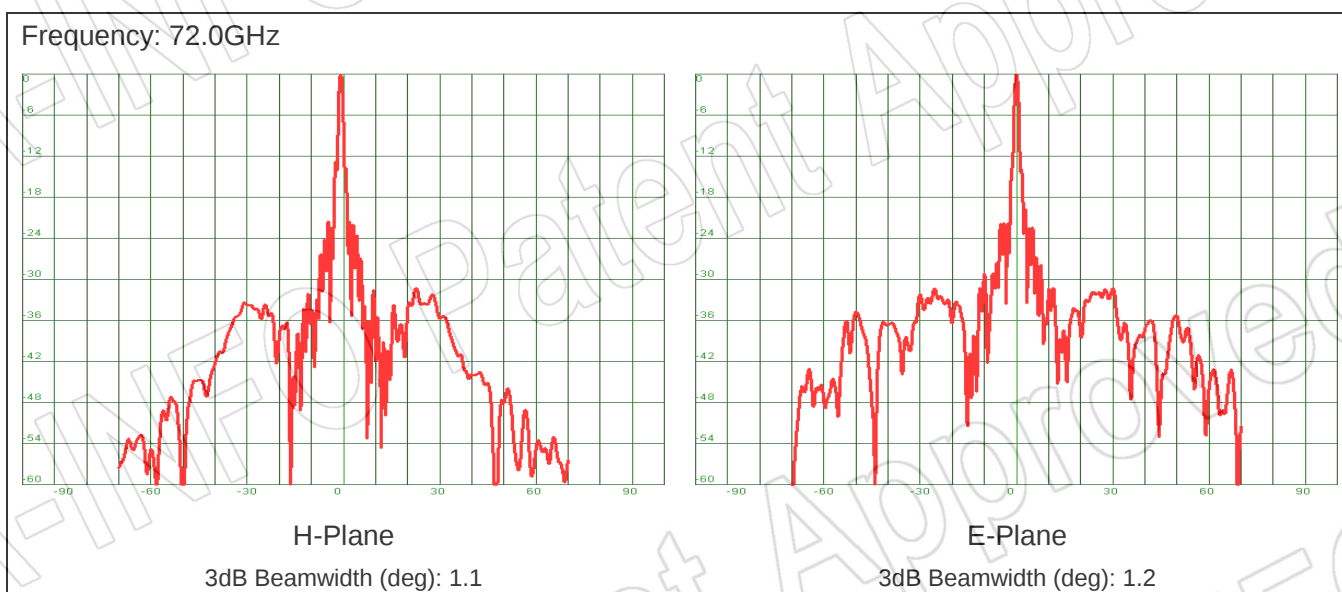
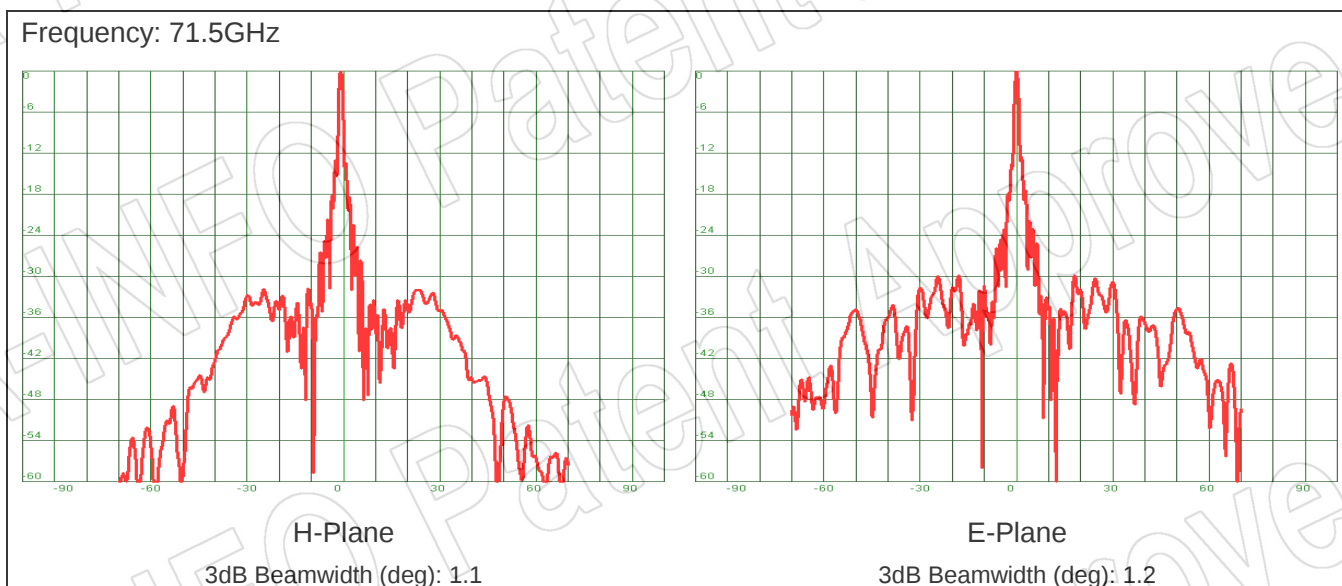
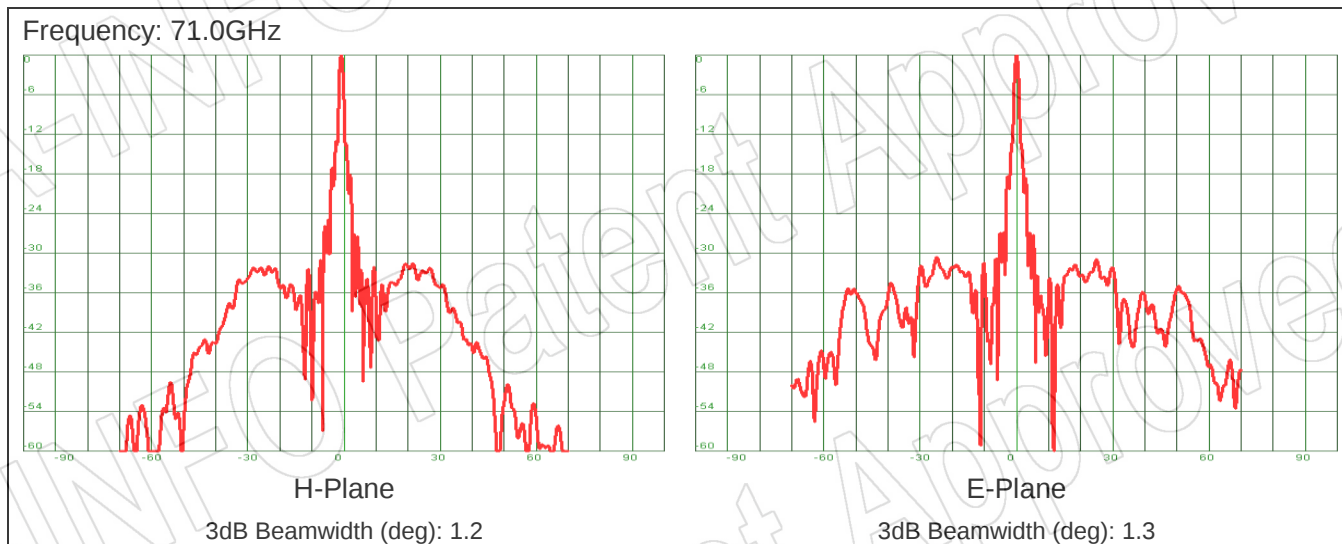


Frequency: 67.5GHz

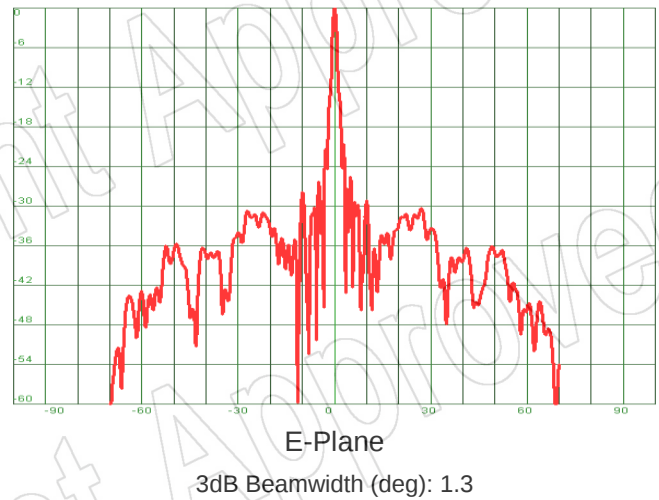
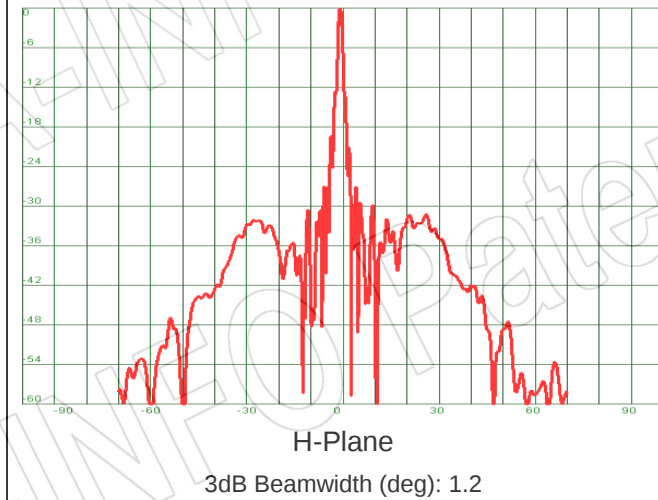




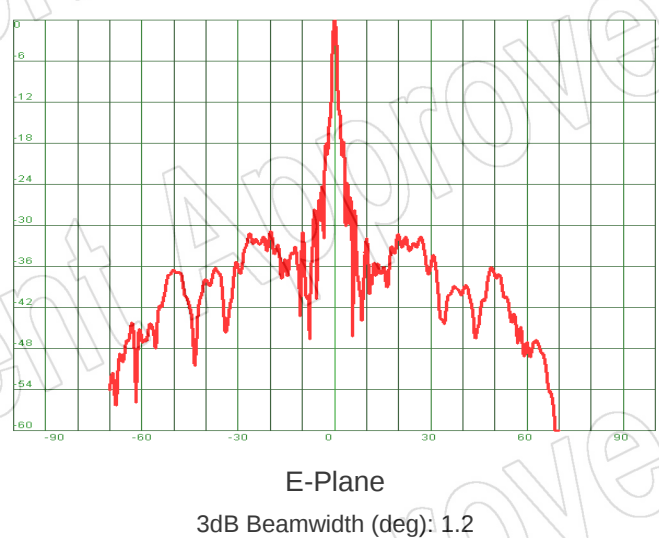
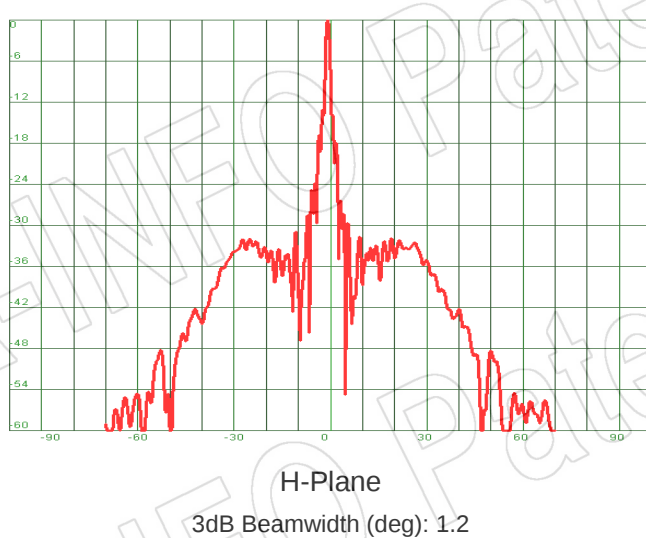




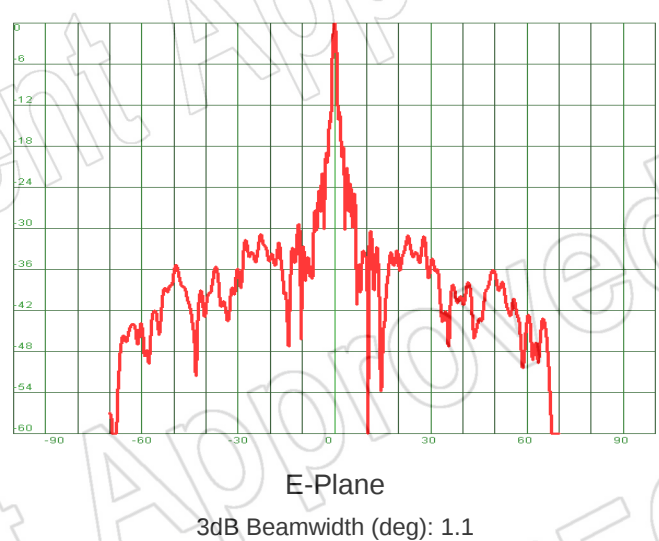
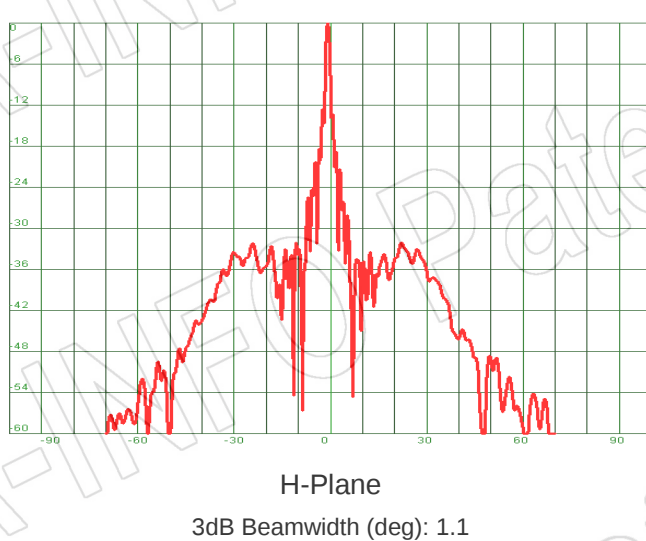
Frequency: 72.5GHz



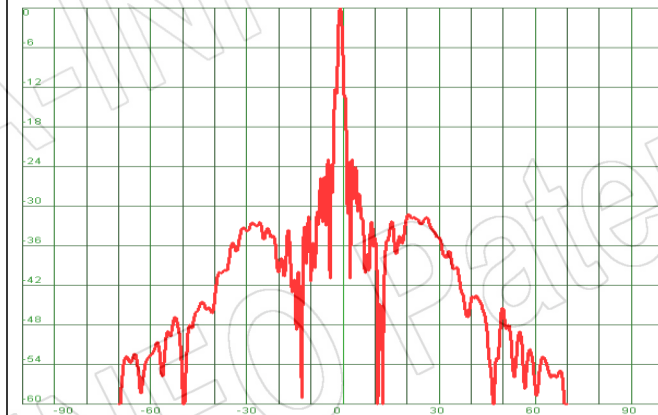
Frequency: 73.0GHz



Frequency: 73.5GHz

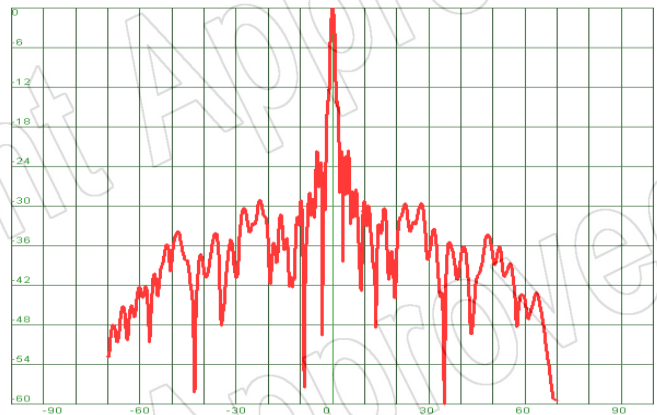


Frequency: 74.0GHz



H-Plane

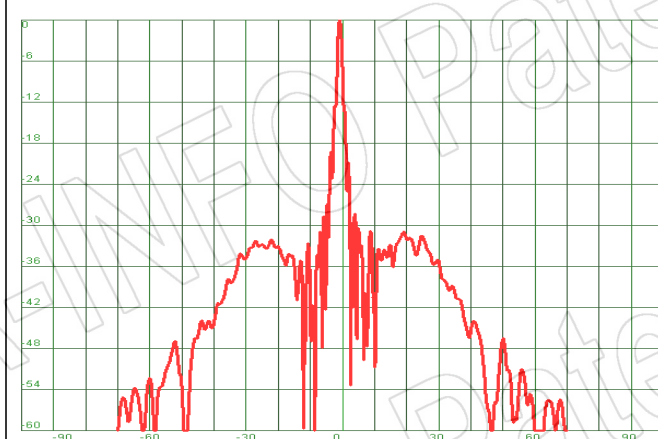
3dB Beamwidth (deg): 1.1



E-Plane

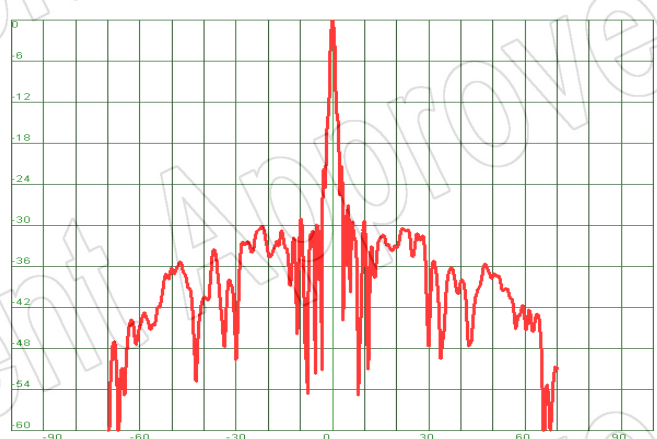
3dB Beamwidth (deg): 1.1

Frequency: 74.5GHz



H-Plane

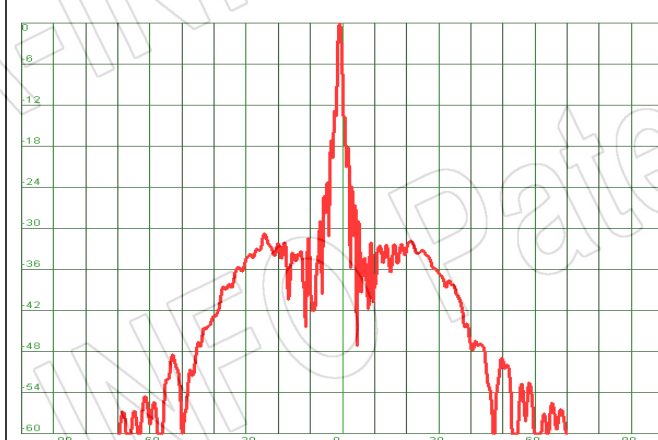
3dB Beamwidth (deg): 1.2



E-Plane

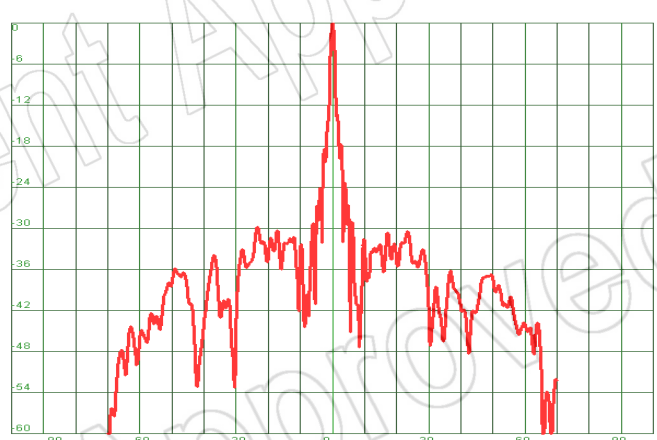
3dB Beamwidth (deg): 1.2

Frequency: 75.0GHz



H-Plane

3dB Beamwidth (deg): 1.1



E-Plane

3dB Beamwidth (deg): 1.2

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USA:

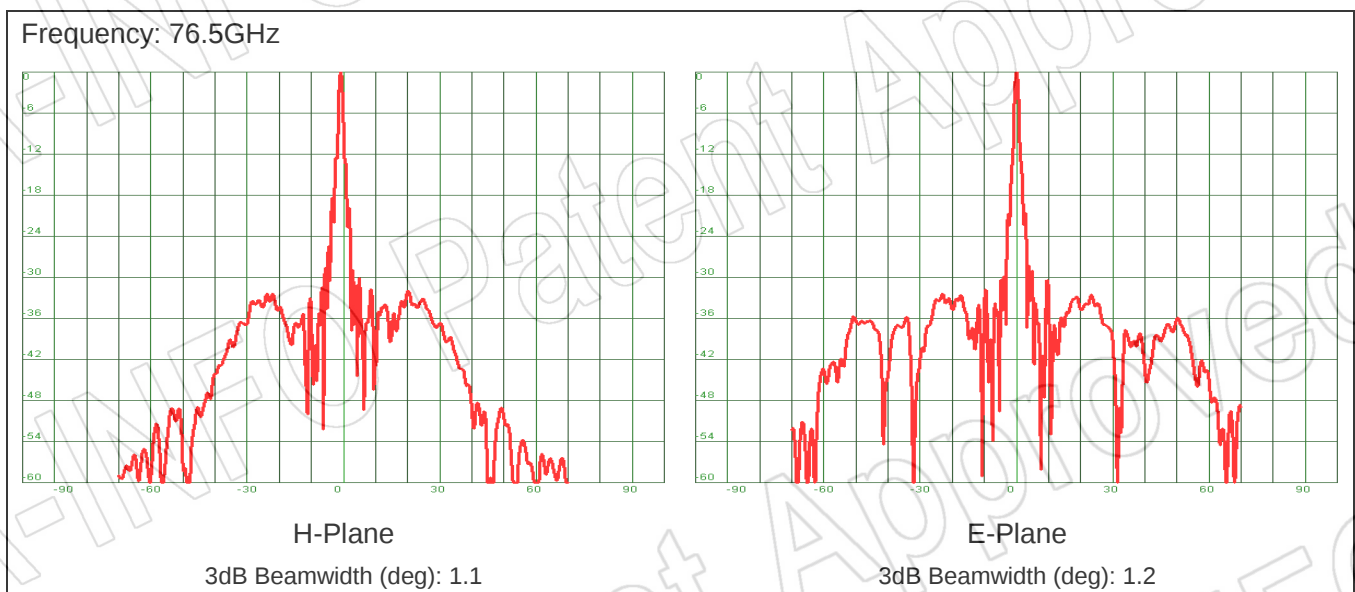
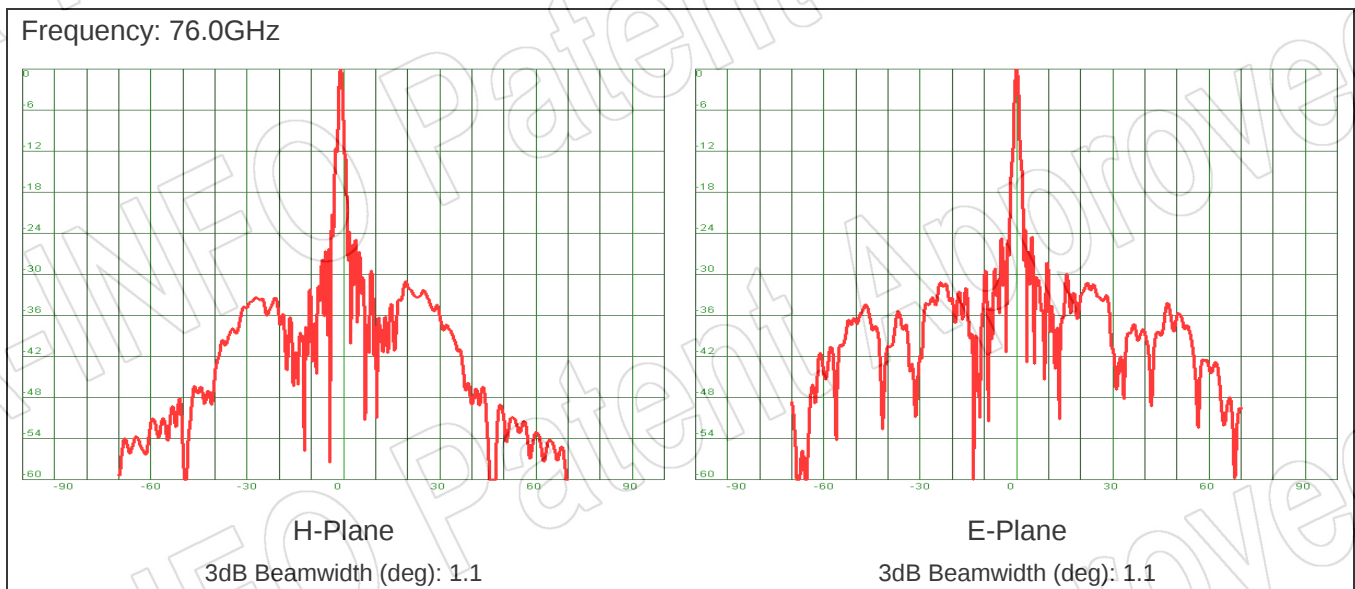
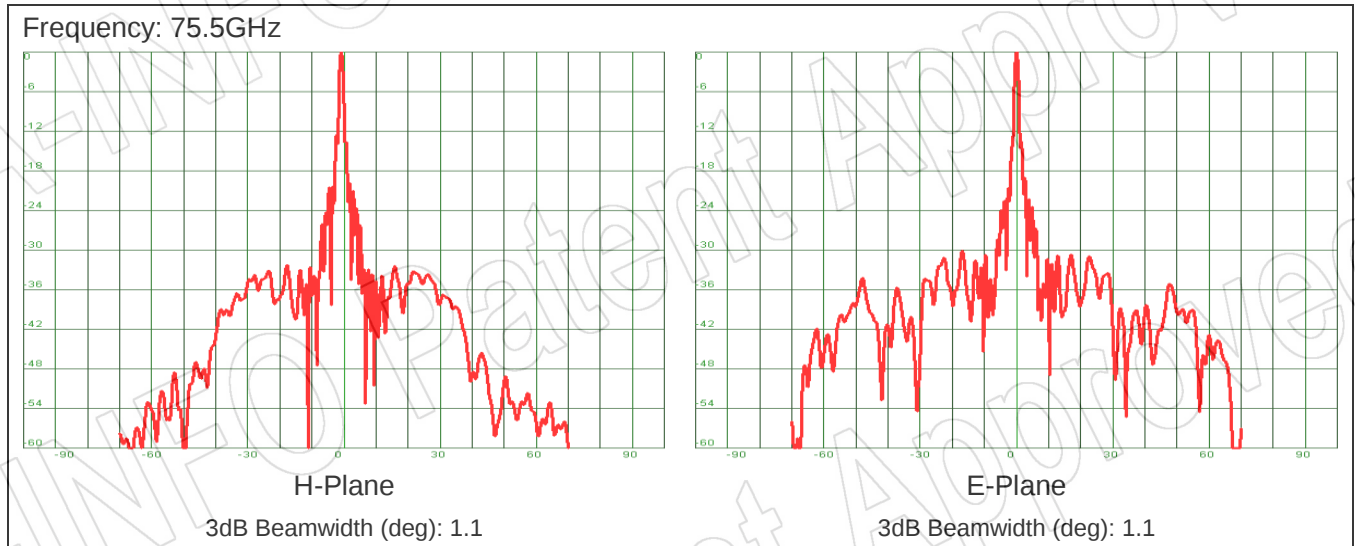
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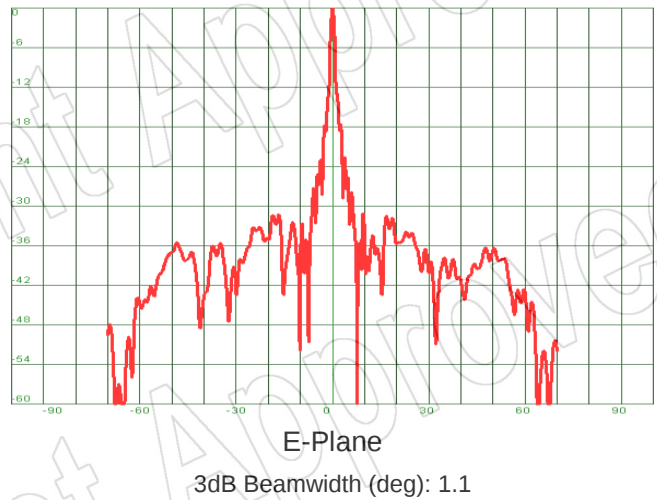
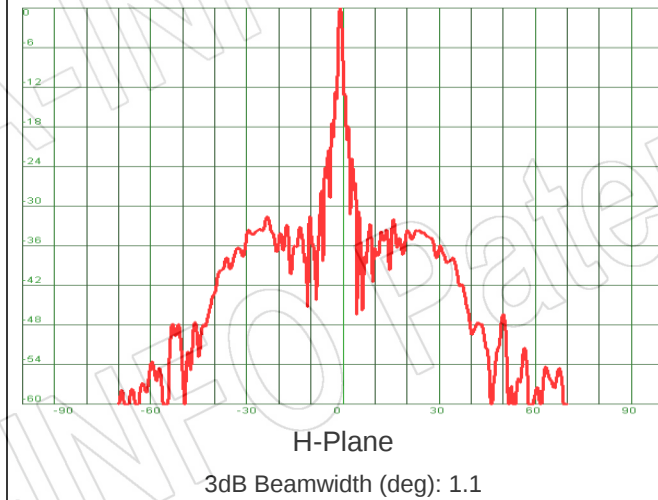
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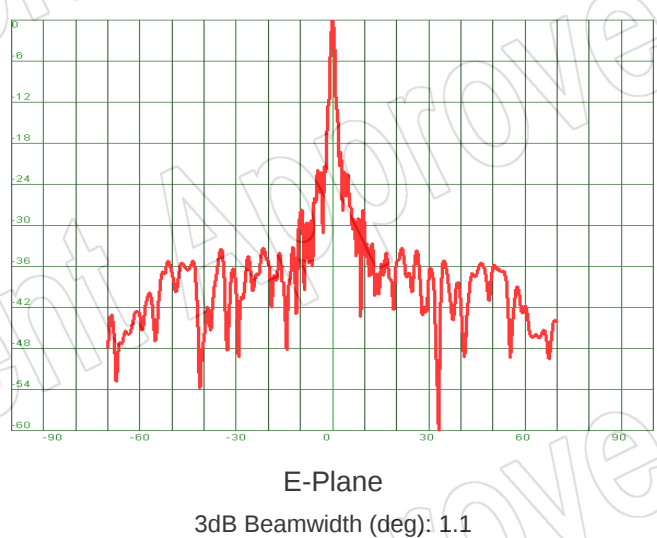
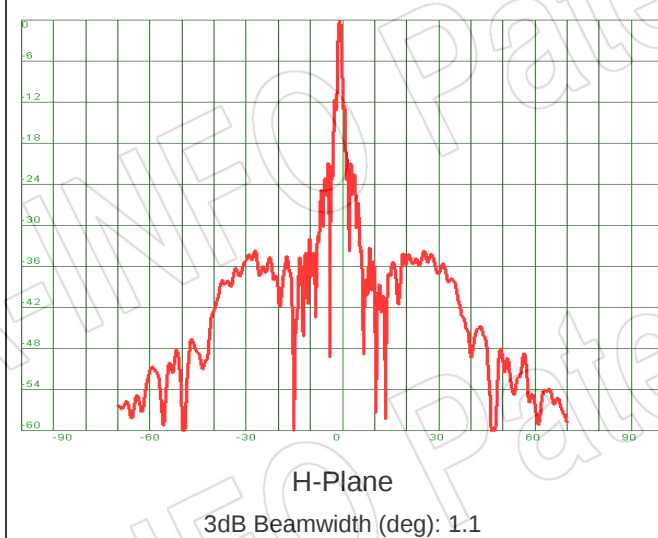
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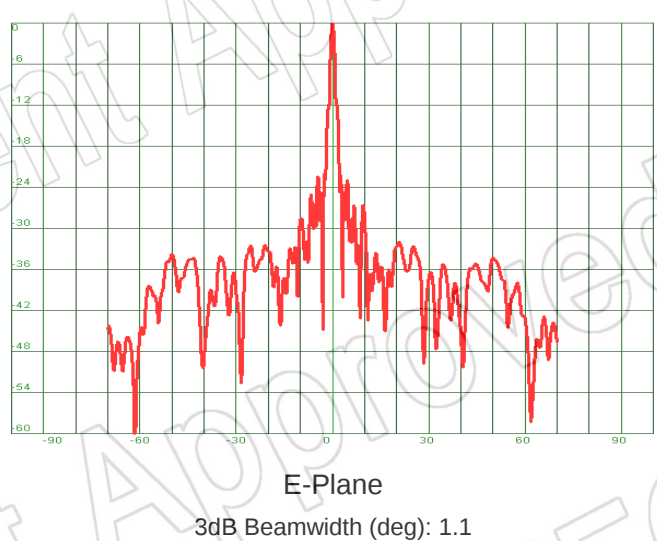
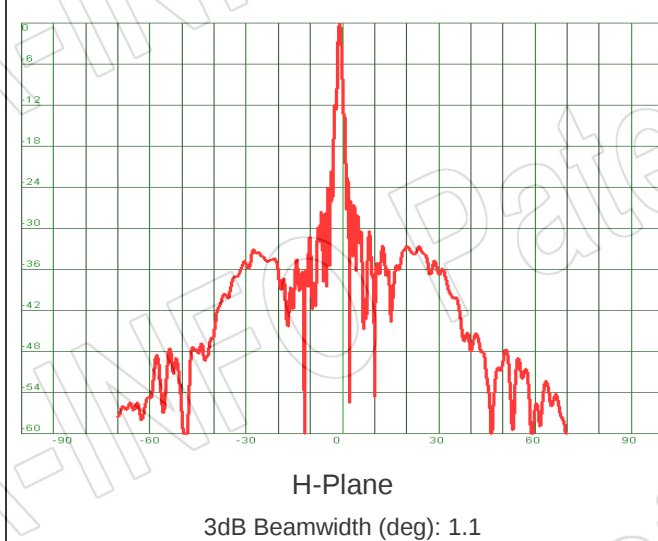
Frequency: 77.0GHz



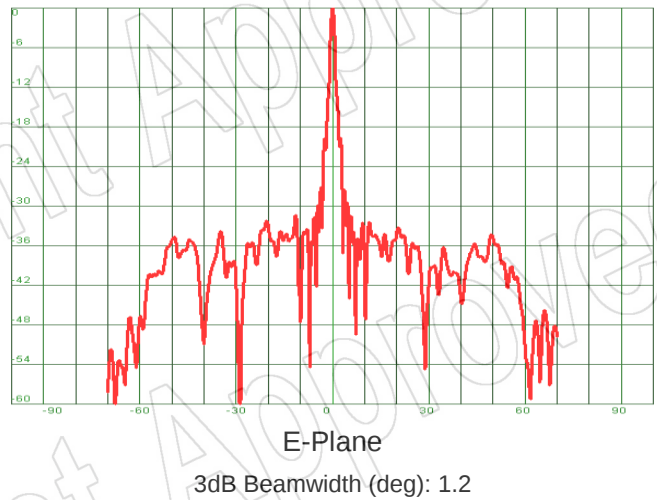
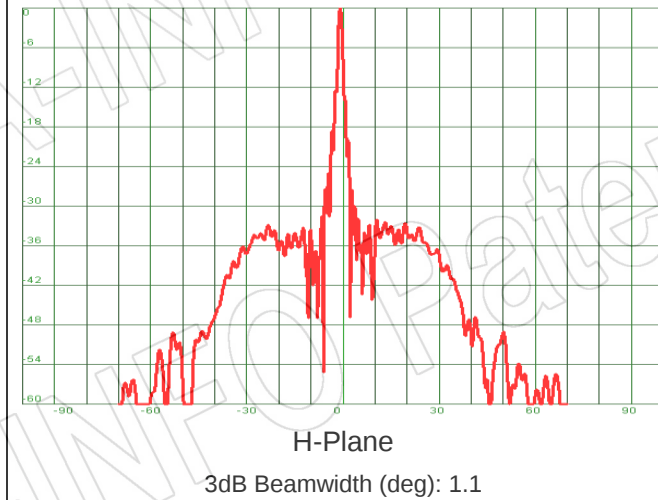
Frequency: 77.5GHz



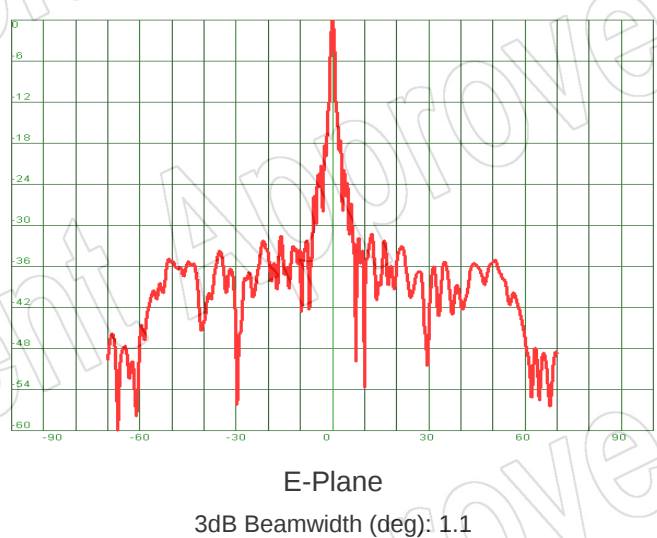
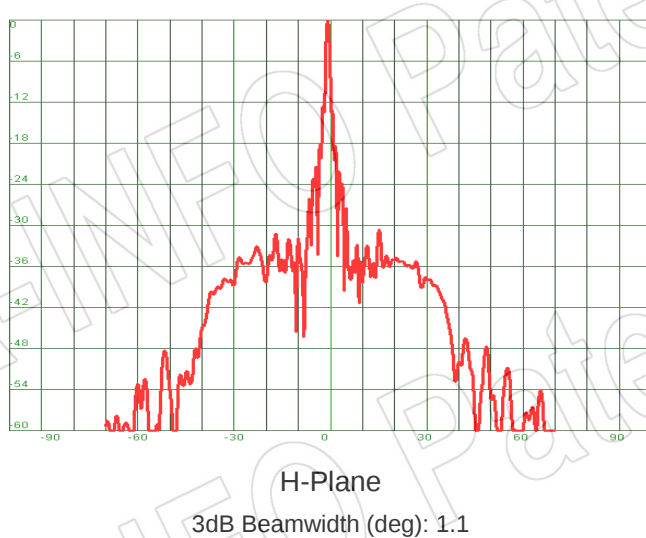
Frequency: 78.0GHz



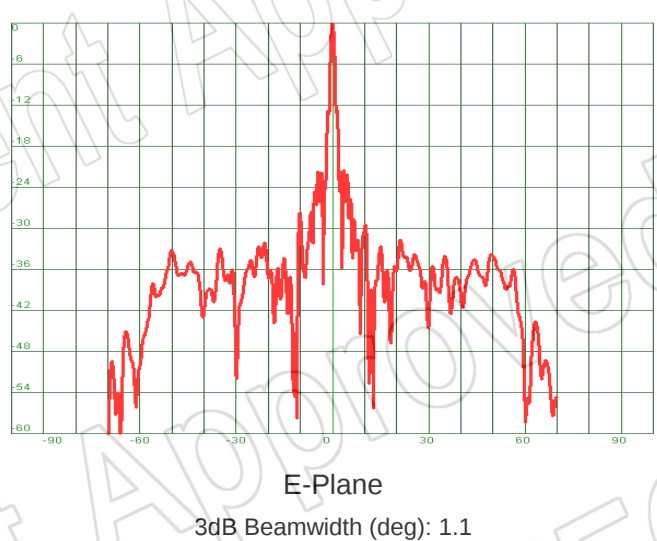
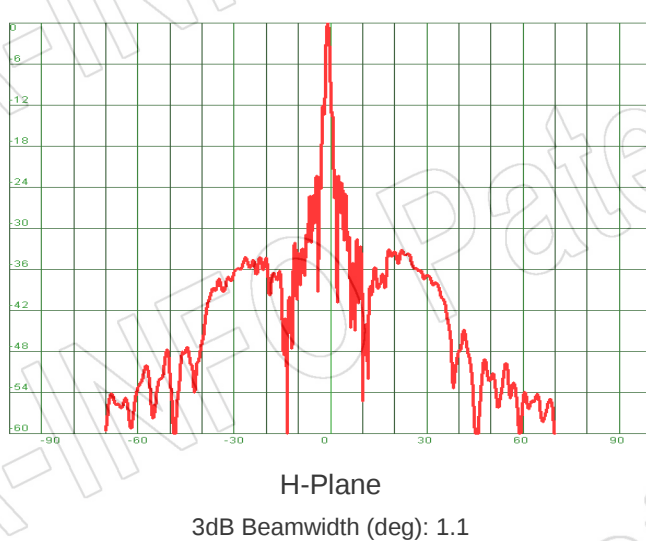
Frequency: 78.5GHz



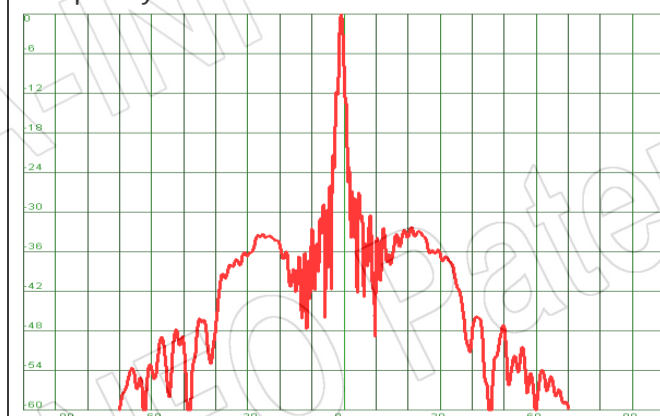
Frequency: 79.0GHz



Frequency: 79.5GHz

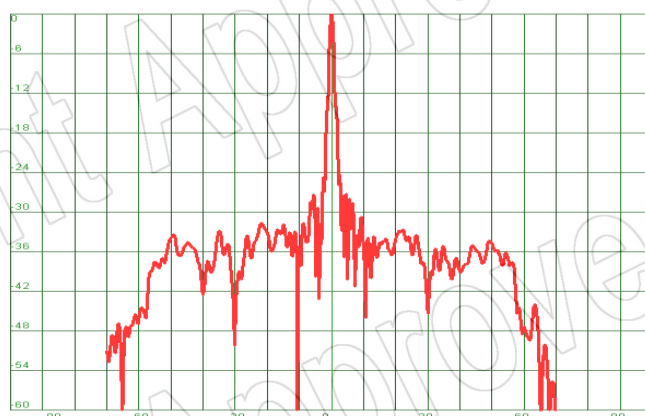


Frequency: 80.0GHz



H-Plane

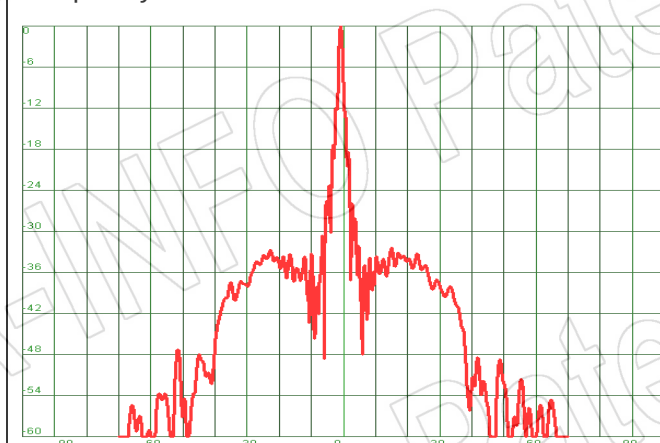
3dB Beamwidth (deg): 1.1



E-Plane

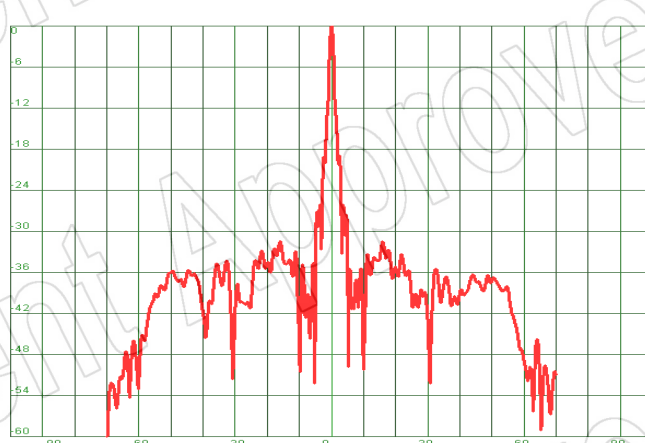
3dB Beamwidth (deg): 1.1

Frequency: 80.5GHz



H-Plane

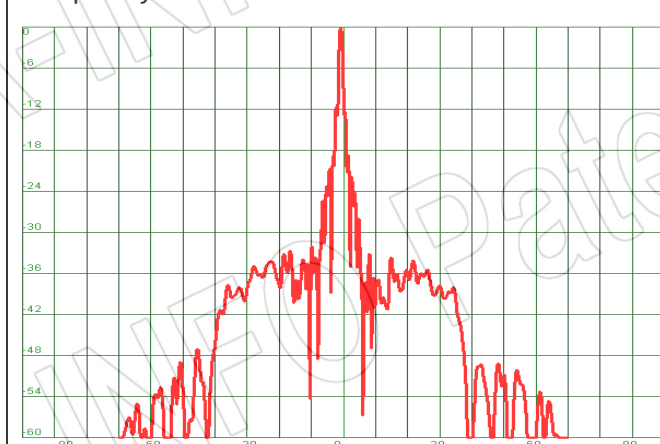
3dB Beamwidth (deg): 1.1



E-Plane

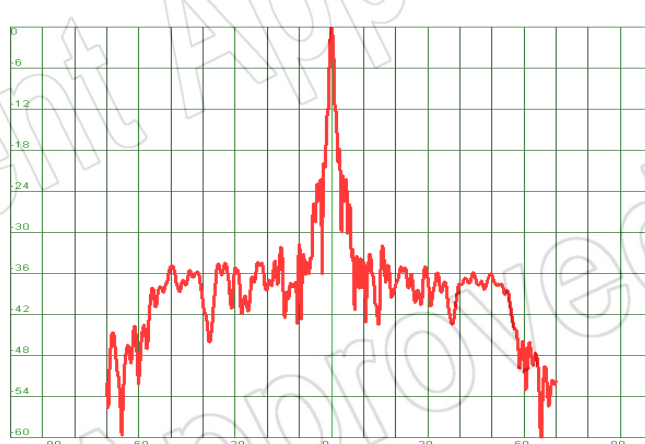
3dB Beamwidth (deg): 1.2

Frequency: 81.0GHz



H-Plane

3dB Beamwidth (deg): 1.1



E-Plane

3dB Beamwidth (deg): 1.1

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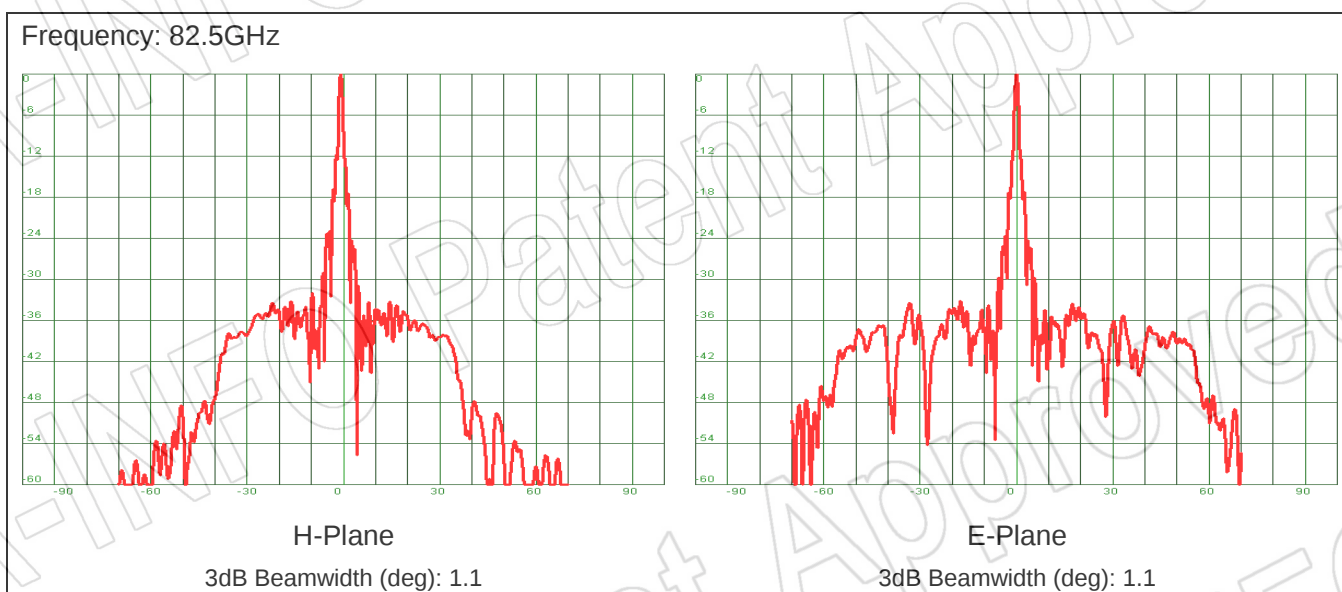
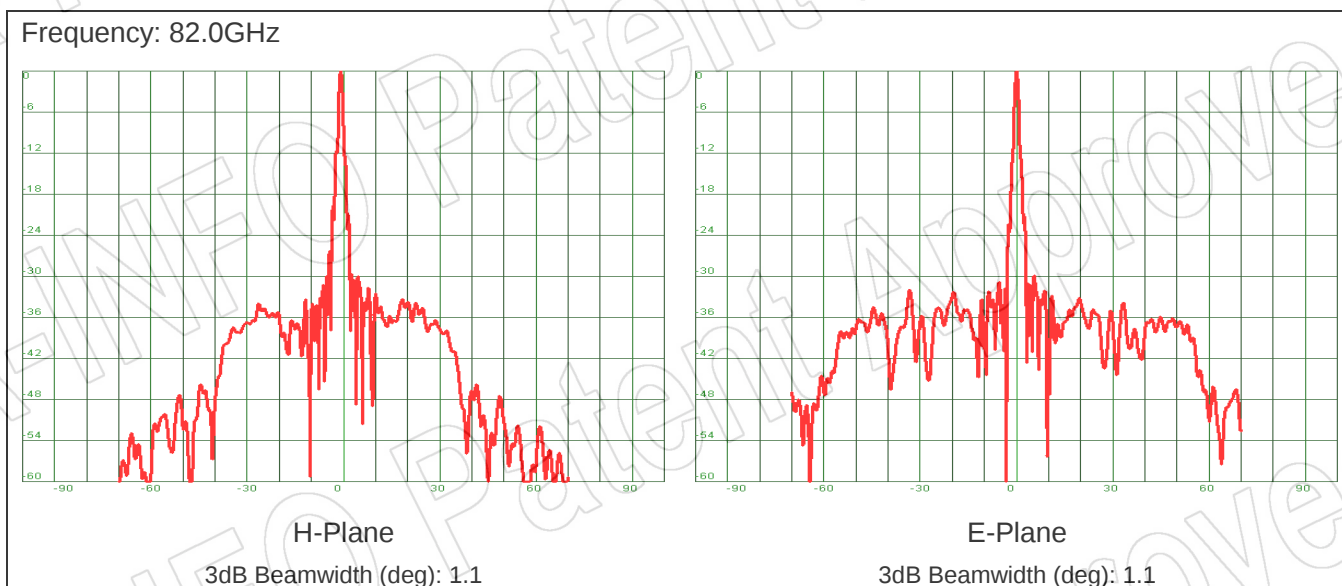
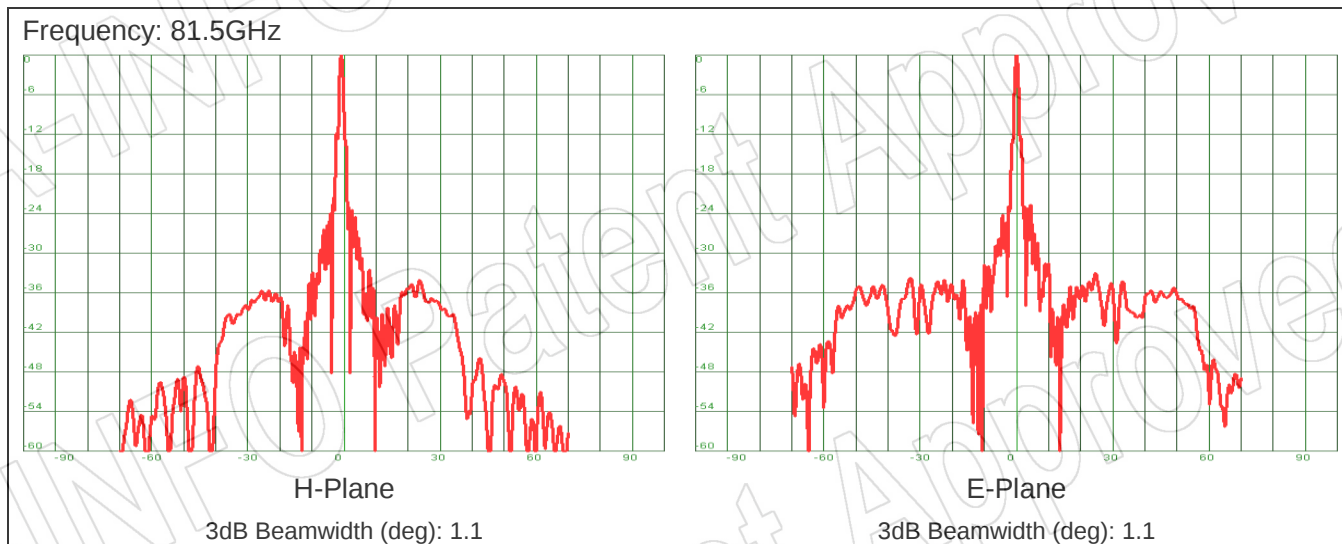
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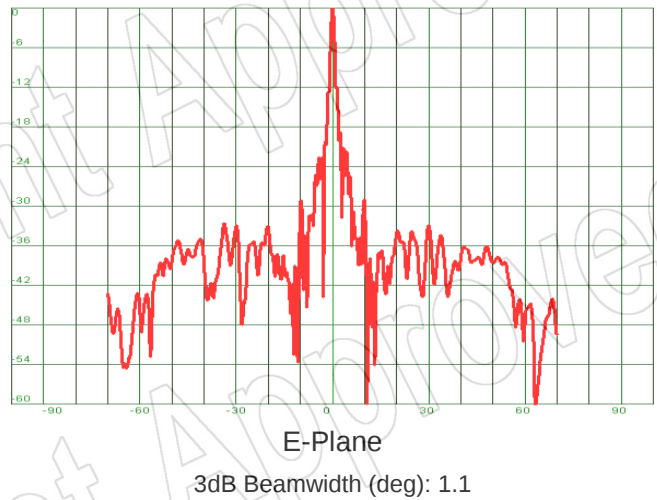
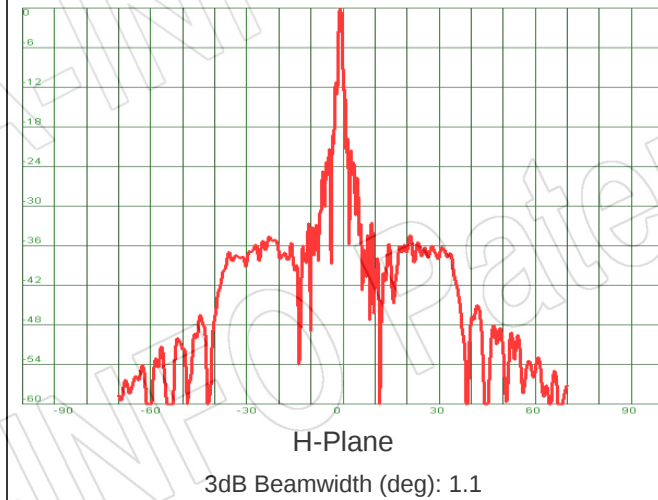
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Fax: (+1) 949-639-9670

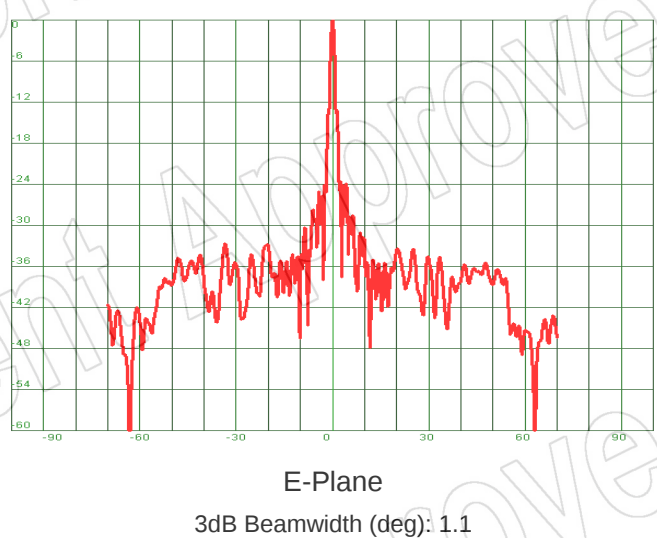
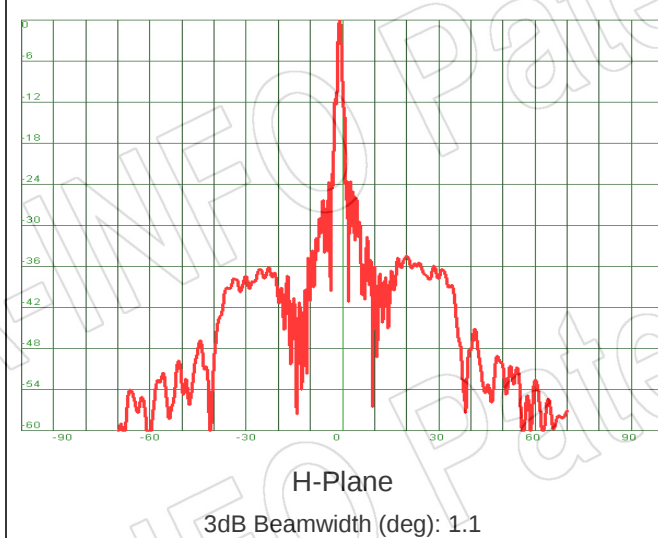
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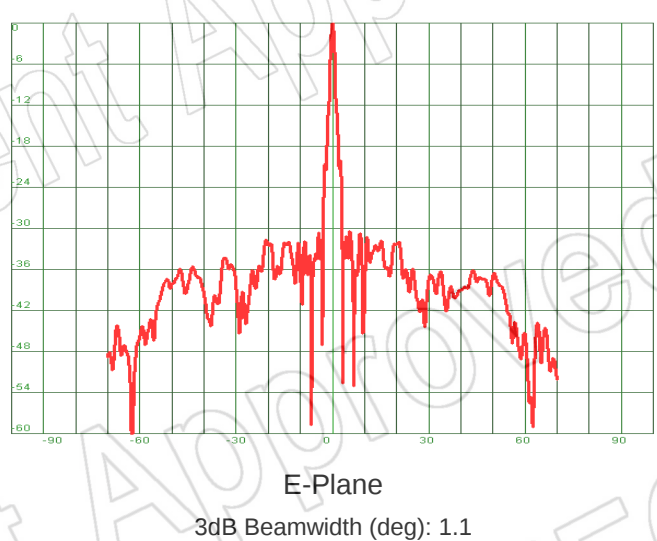
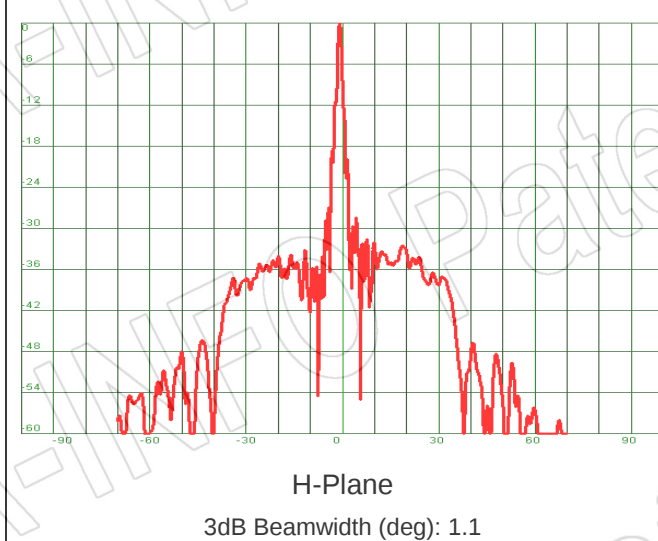
Frequency: 83.0GHz

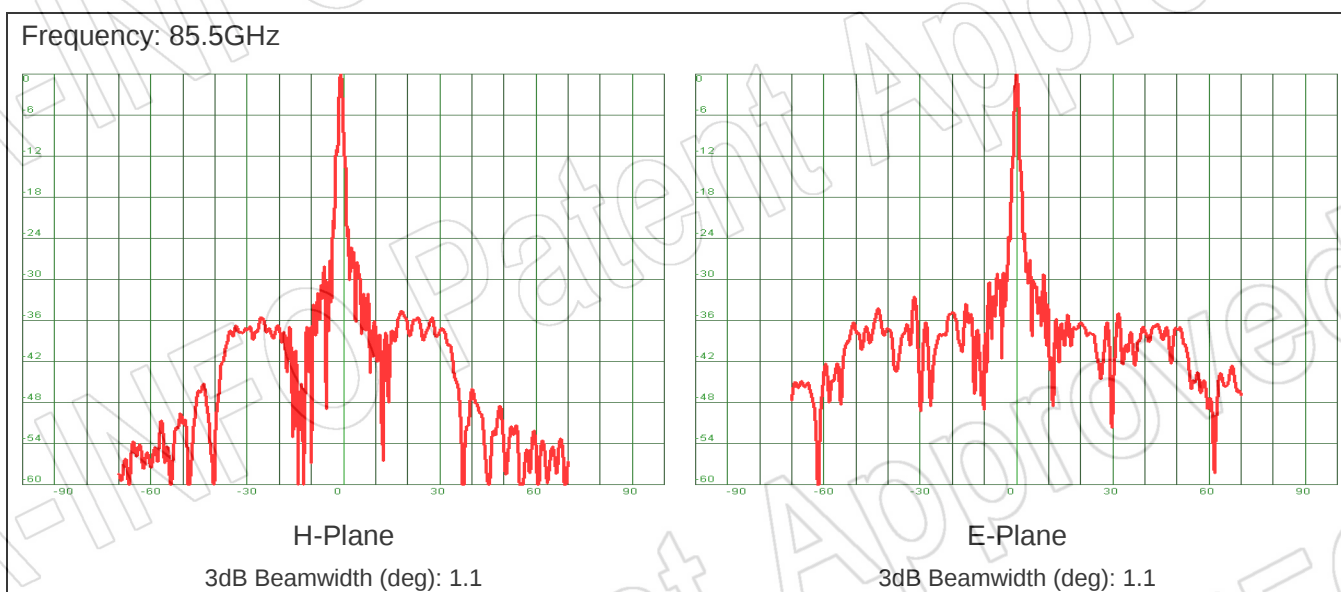
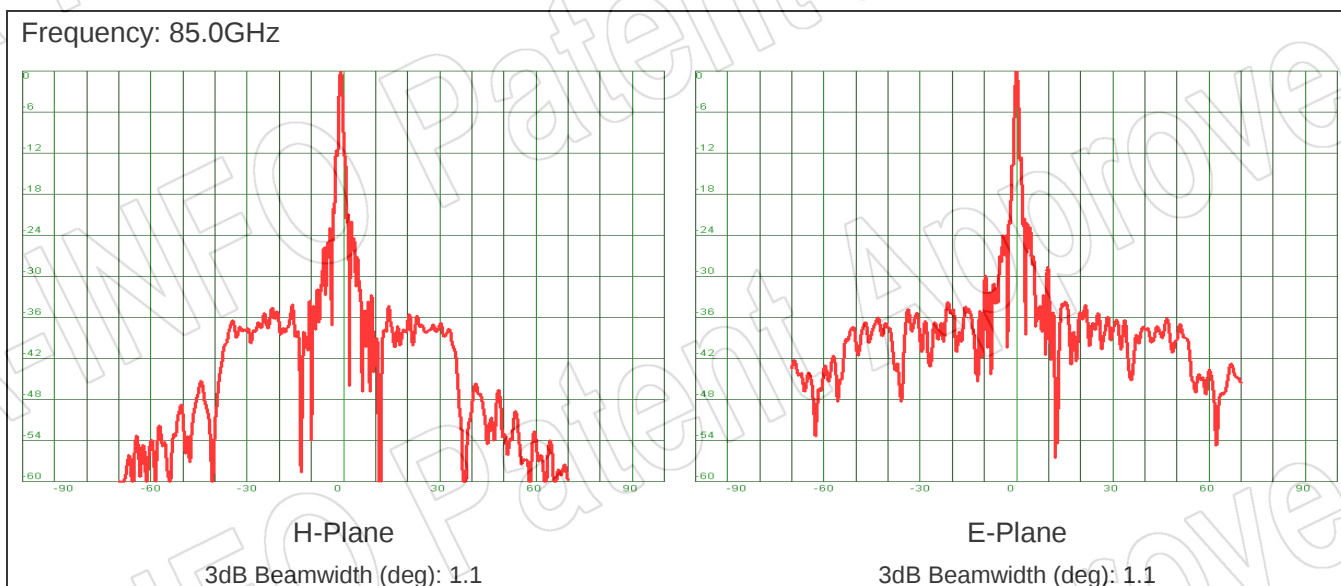
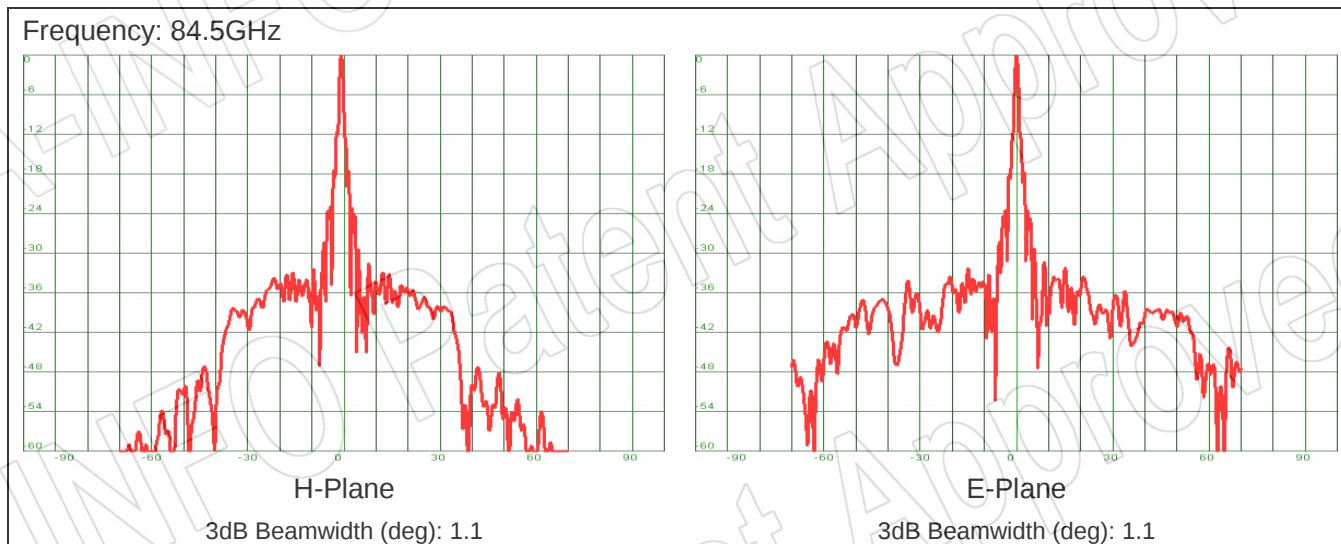


Frequency: 83.5GHz

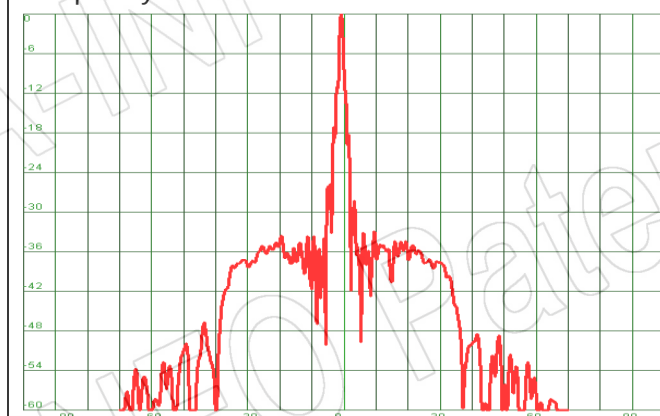


Frequency: 84.0GHz



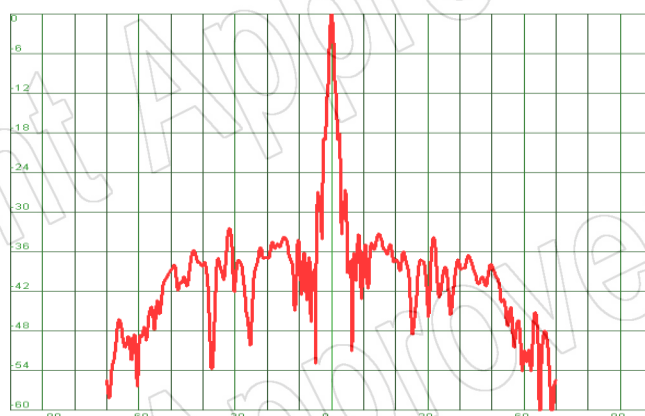


Frequency: 86.0GHz



H-Plane

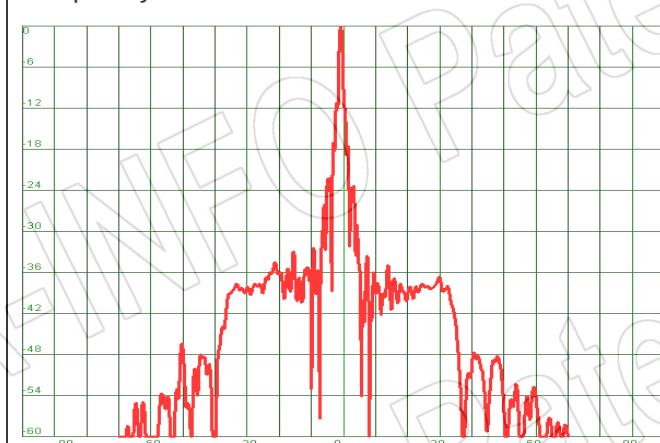
3dB Beamwidth (deg): 1.1



E-Plane

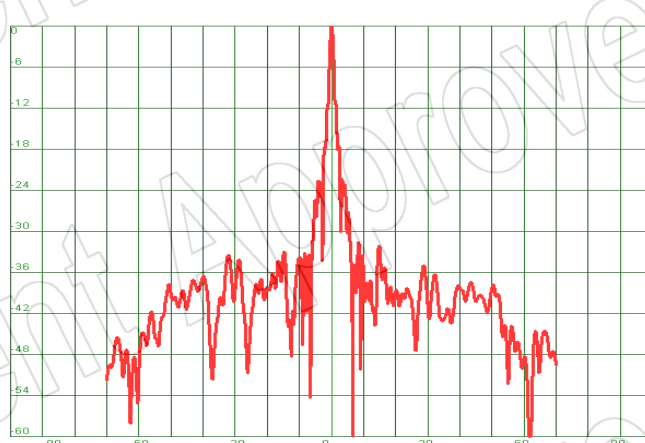
3dB Beamwidth (deg): 1.1

Frequency: 86.5GHz



H-Plane

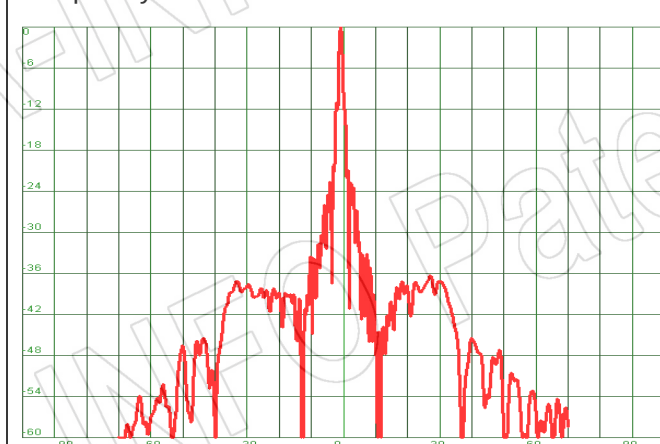
3dB Beamwidth (deg): 1.0



E-Plane

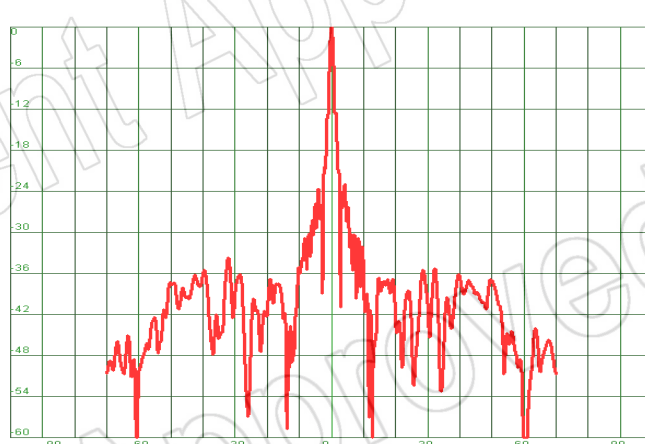
3dB Beamwidth (deg): 1.1

Frequency: 87.0GHz



H-Plane

3dB Beamwidth (deg): 1.0



E-Plane

3dB Beamwidth (deg): 1.0

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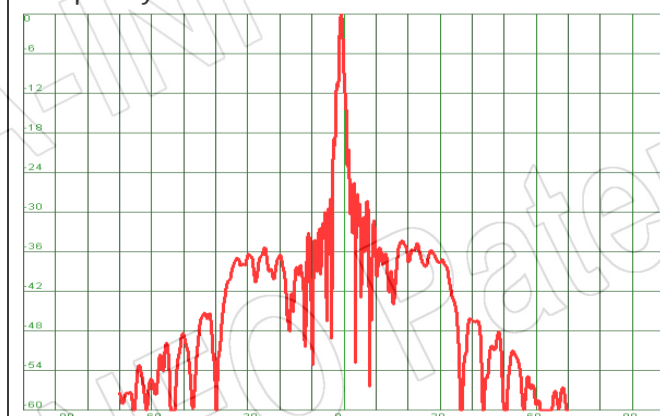
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Fax: (+1) 949-639-9670

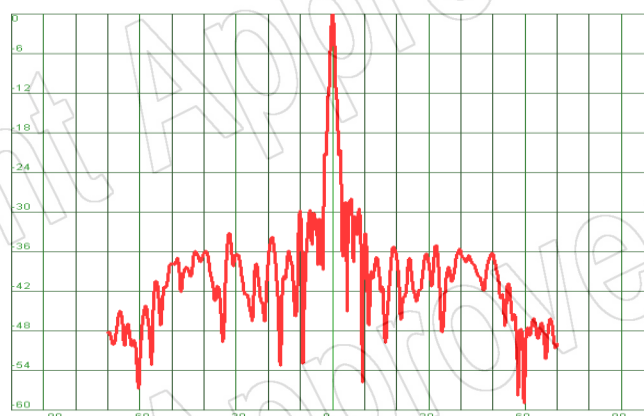
Website: www.ainfoinc.com
Email: sales@ainfoinc.com

Frequency: 87.5GHz



H-Plane

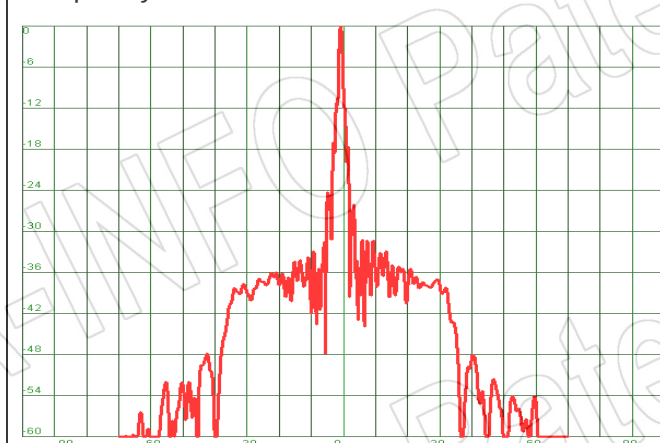
3dB Beamwidth (deg): 1.0



E-Plane

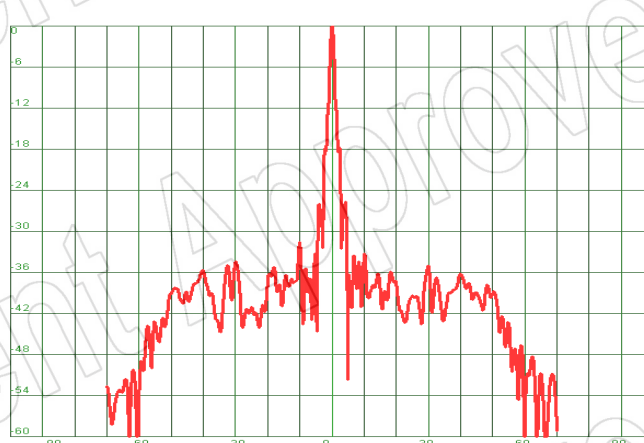
3dB Beamwidth (deg): 1.1

Frequency: 88.0GHz



H-Plane

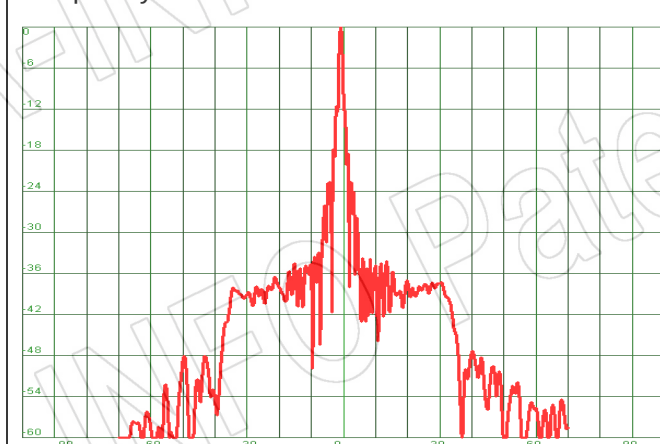
3dB Beamwidth (deg): 1.0



E-Plane

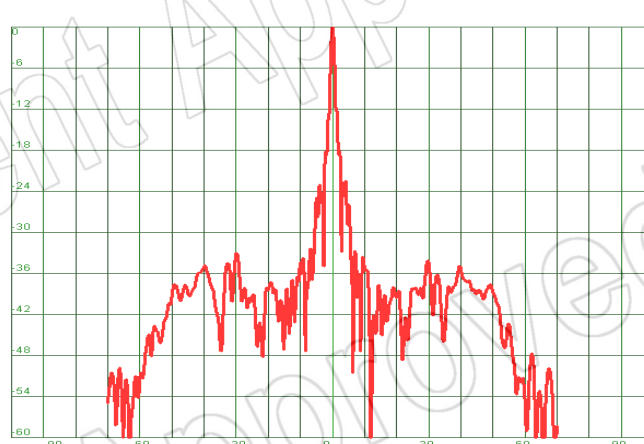
3dB Beamwidth (deg): 1.1

Frequency: 88.5GHz



H-Plane

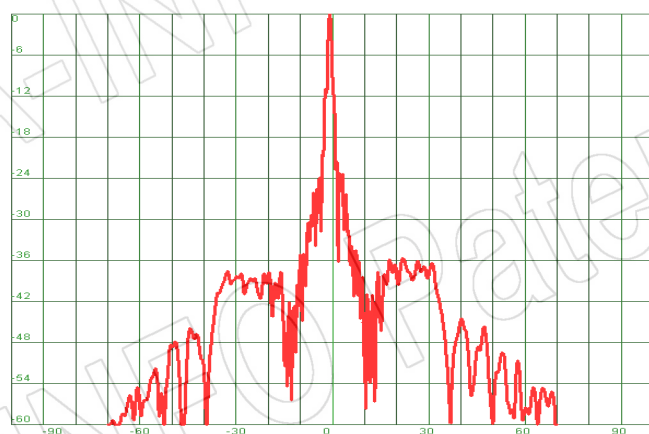
3dB Beamwidth (deg): 0.9



E-Plane

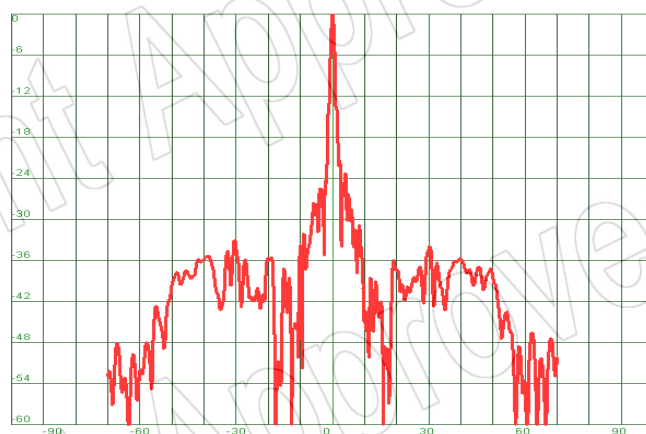
3dB Beamwidth (deg): 1.0

Frequency: 89.0GHz



H-Plane

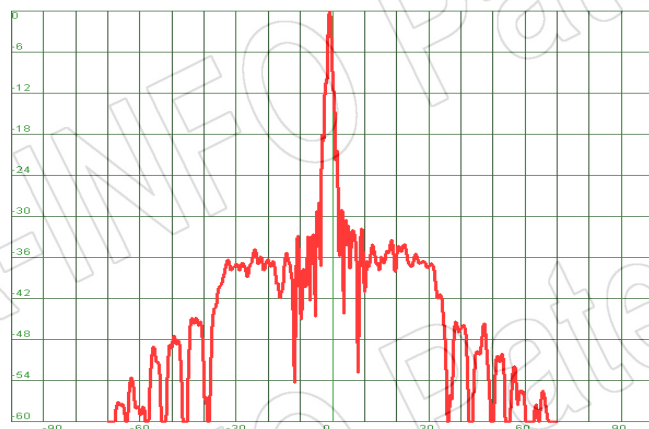
3dB Beamwidth (deg): 0.9



E-Plane

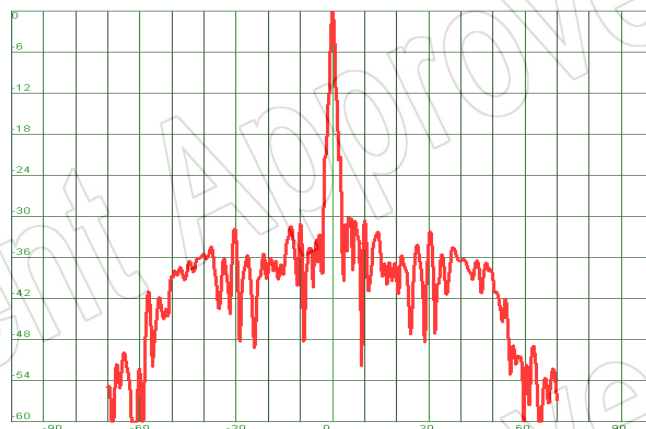
3dB Beamwidth (deg): 1.0

Frequency: 89.5GHz



H-Plane

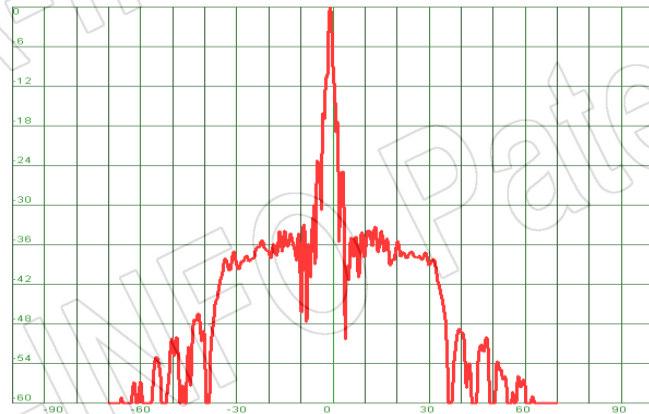
3dB Beamwidth (deg): 1.0



E-Plane

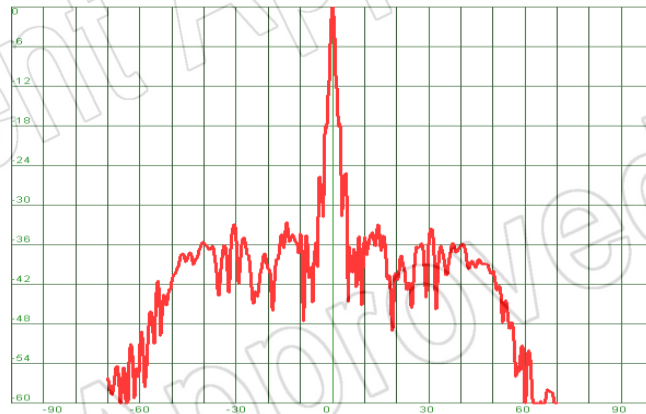
3dB Beamwidth (deg): 1.1

Frequency: 90.0GHz



H-Plane

3dB Beamwidth (deg): 1.0



E-Plane

3dB Beamwidth (deg): 1.1

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