

MODEL NUMBER:
QRHA6G-OB

**0.7 - 6.0GHZ OPEN
BOUNDARY QUAD-
RIDGED HORN**

TECHNICAL SPECIFICATION

Frequency Range (GHz)	0.7 - 6.0
Gain (dBi)	11 Typ.
Polarization	Dual Pol.
3dB Beamwidth (deg)	155 - 16
Cross Pol. Isolation (dB)	18 Min.
Port to Port Isolation (dB)	20 Min.
VSWR	2.0:1 Typ.
Output	SMA-Female or N-Female
Power Handling(W)	SMA-Female: 50 Max. CW N-Female: 50 Max. CW
Material	Al
Size (mm)	310 x 310 x 411
Net Weight (Kg)	5.0 Around

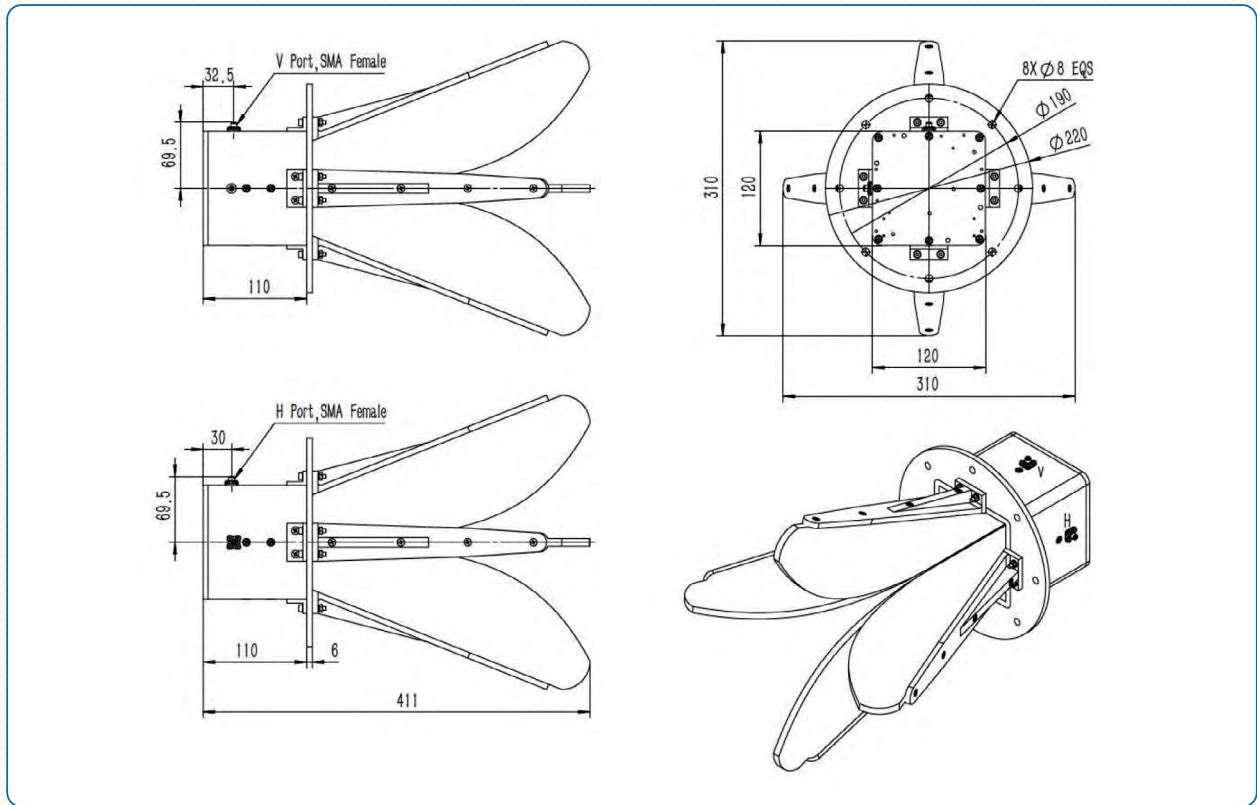
GAIN DATA

Frequency Range (GHz)	Gain (dB)	
	H	V
1.2	8.02	8.62
1.3	9.1	9
1.4	10.67	10.39
1.5	9.7	10.34
1.6	10.82	9.96
1.7	10.61	10.2
1.8	10.43	10.46
1.9	11.38	11.22
2	10.67	11.06

OUTLINE DRAWING (SIZE: MM)

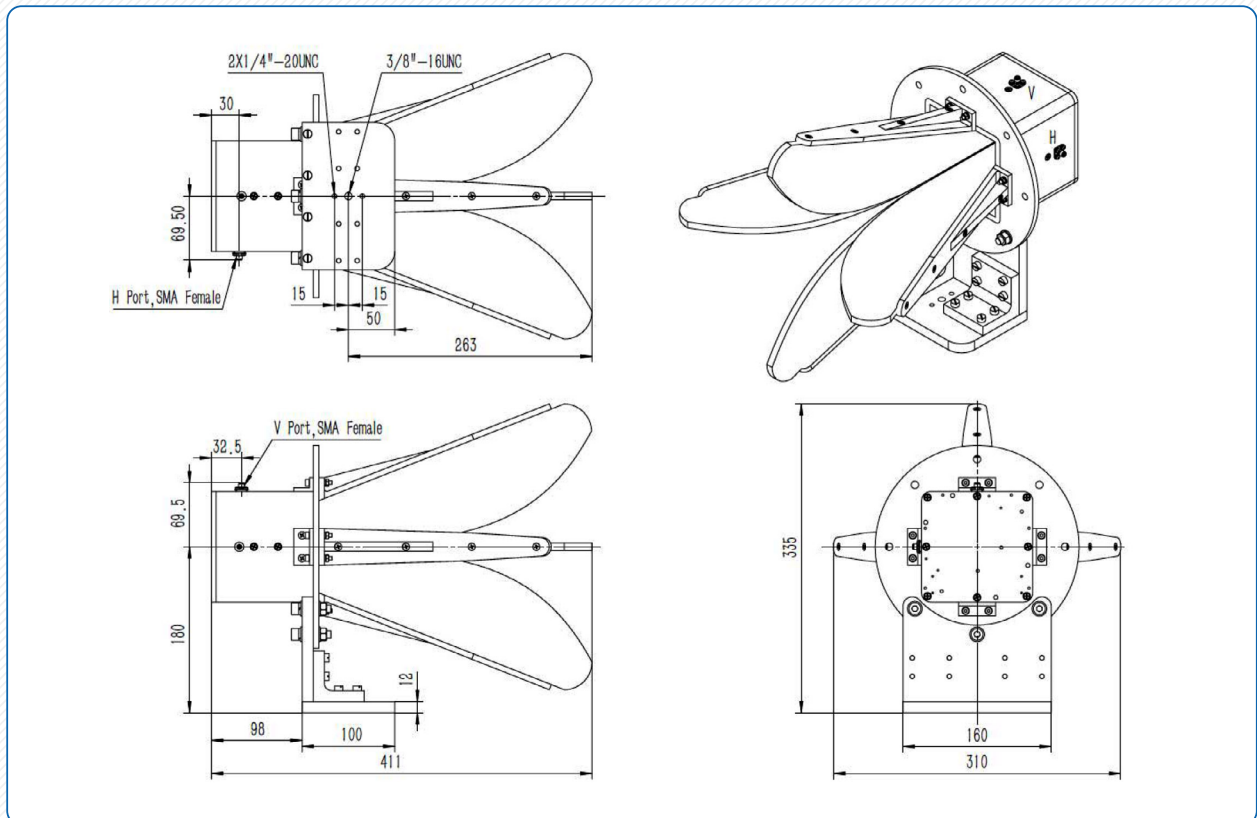
With SMA-Female Output

For N-Female output outline drawing, please contact A-INFO.



With SMA-Female Output & L Type Mounting Bracket

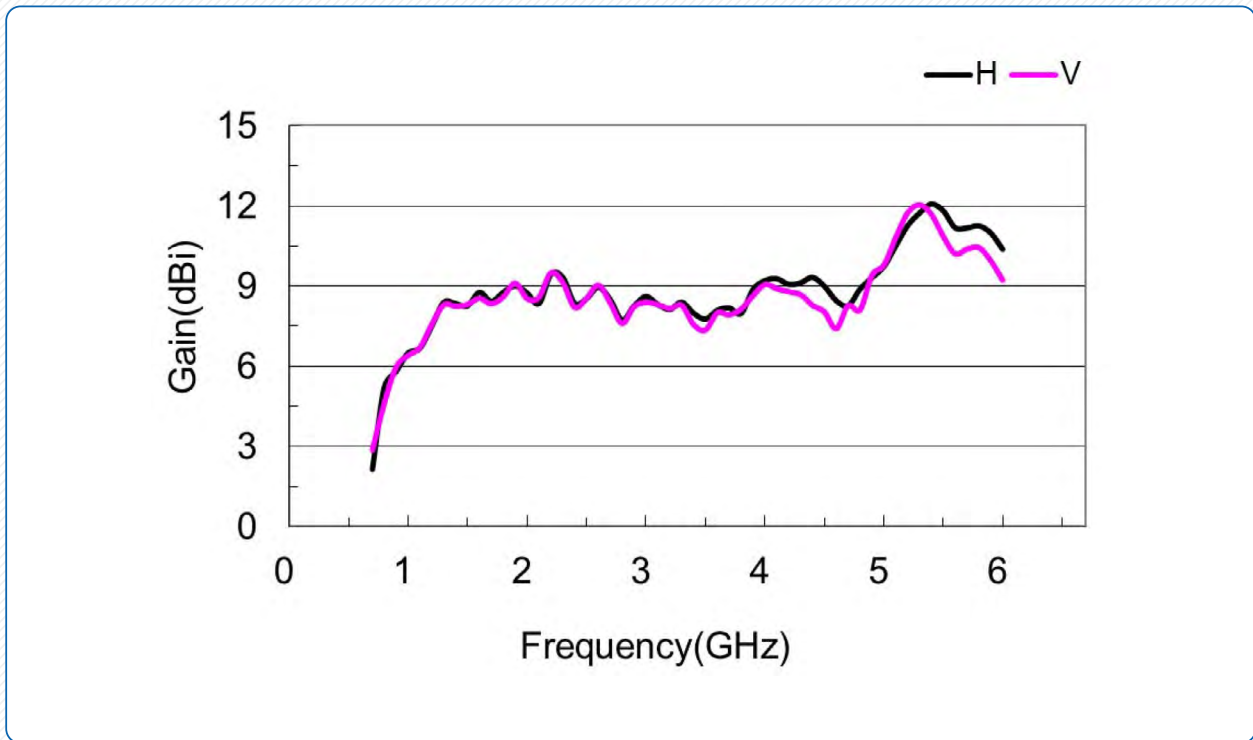
For N-Female output outline drawing, please contact A-INFO



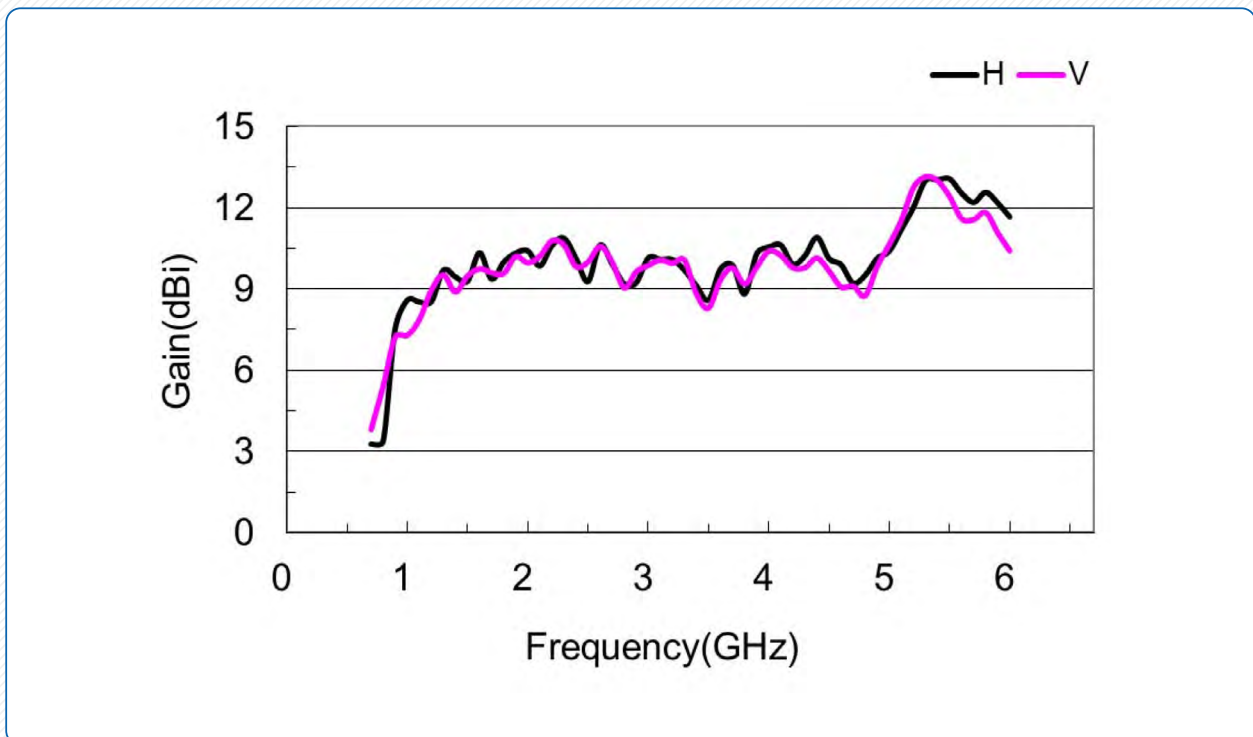
TEST RESULTS

1. Gain

Gain at 1 m

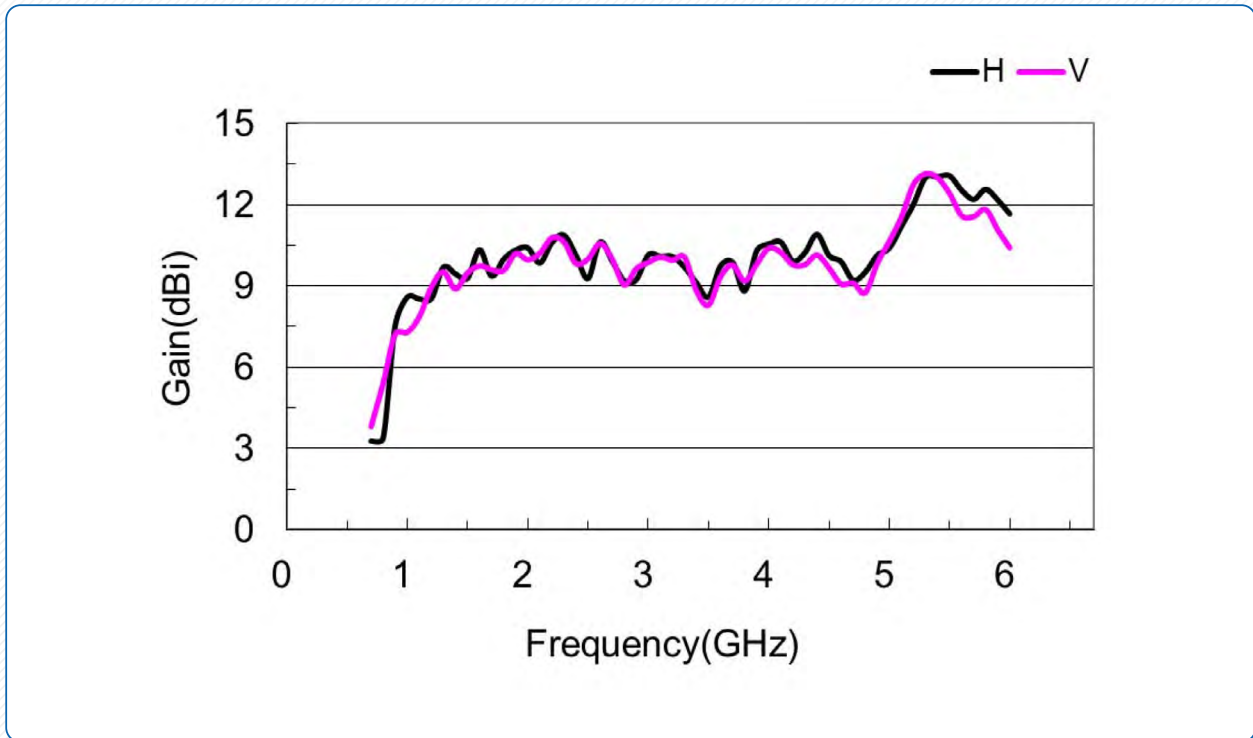


Gain at 3 m

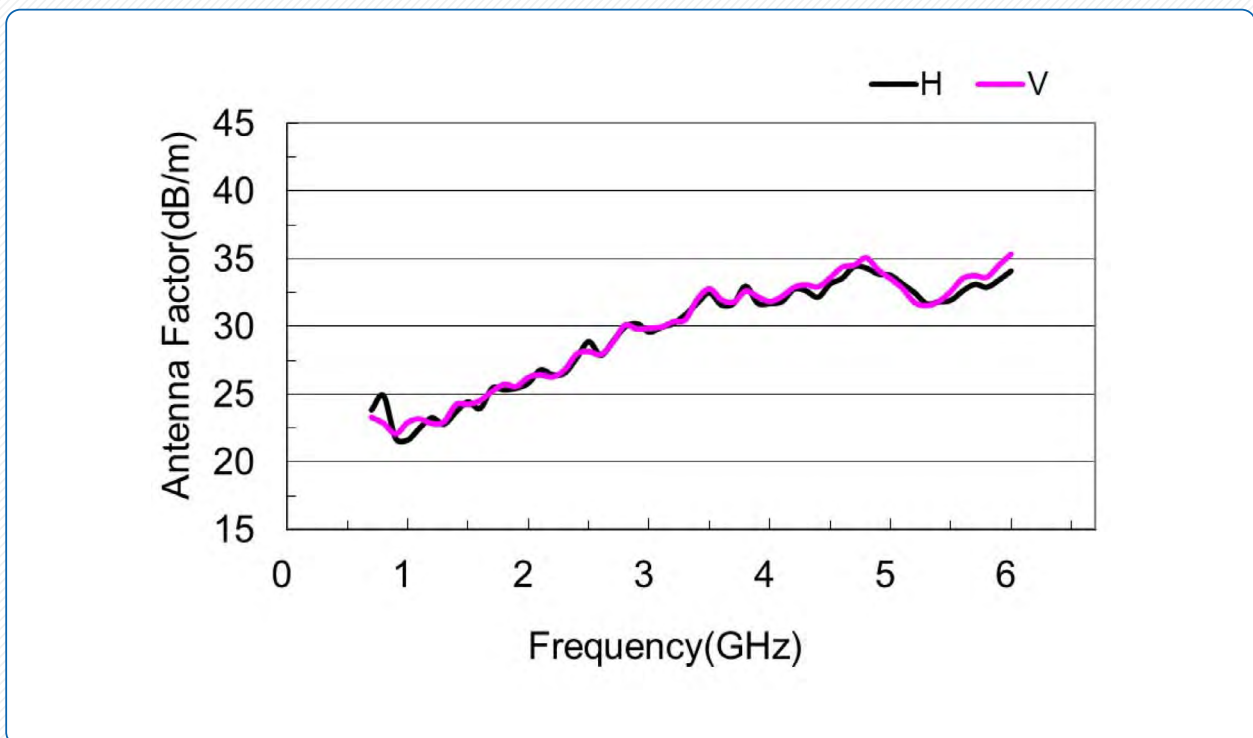


2. Antenna Factor

AF at 1 m

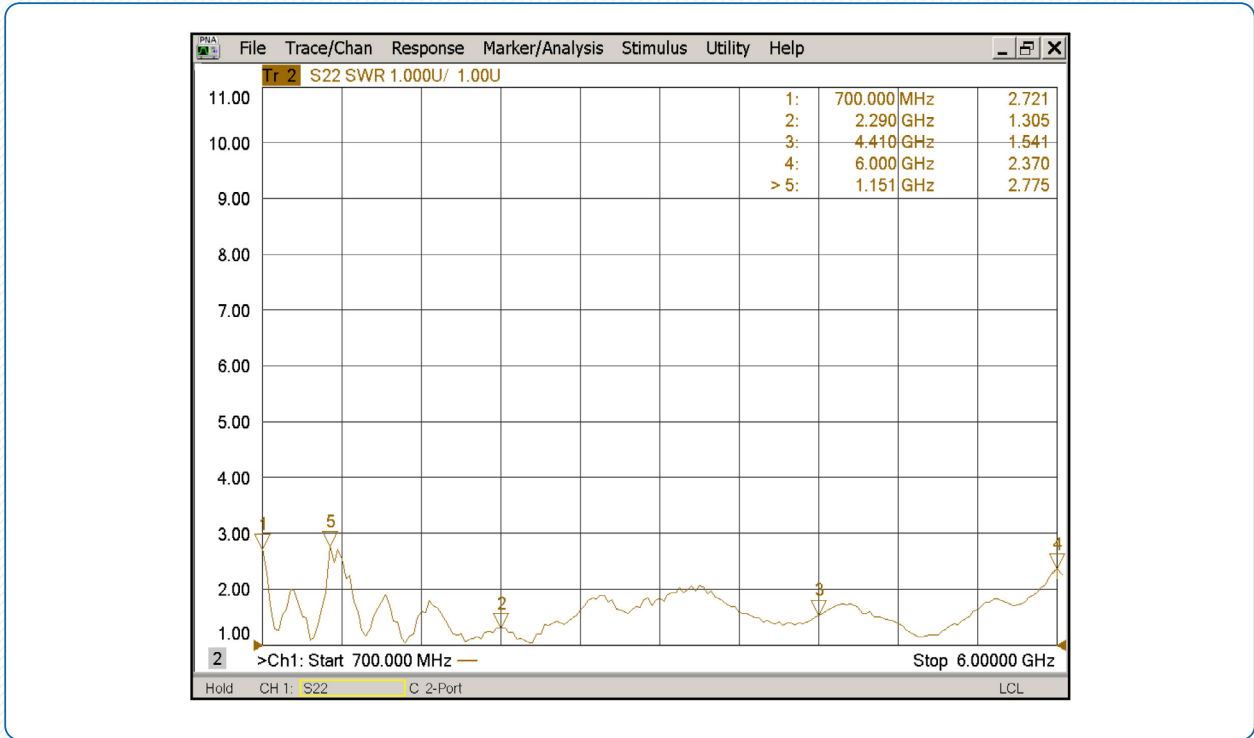


AF at 3 m

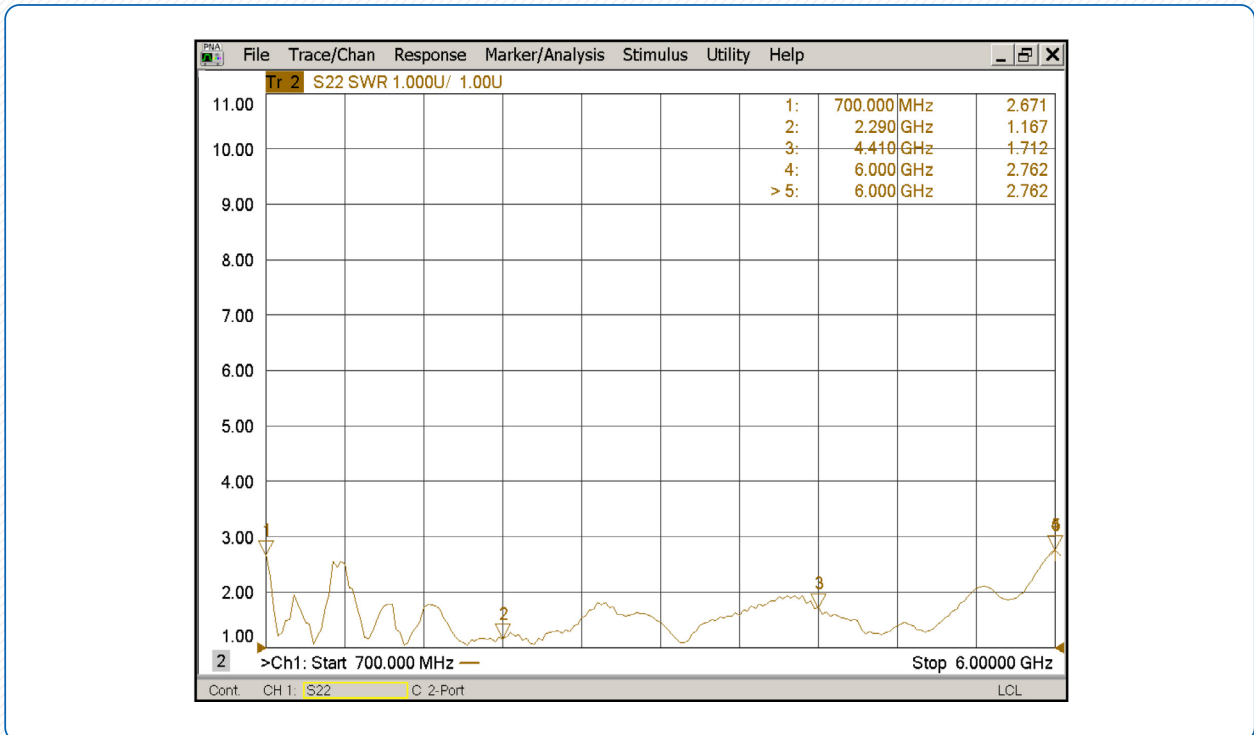


3. VSWR

H Port

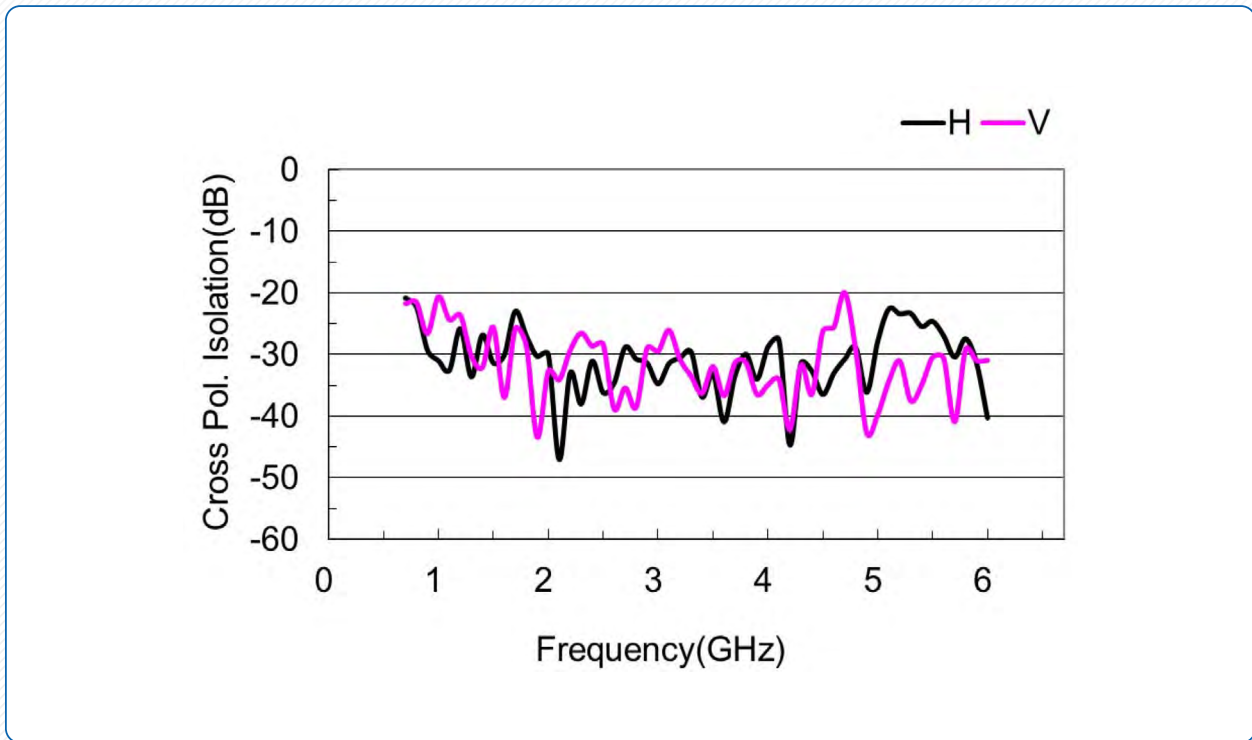


V Port

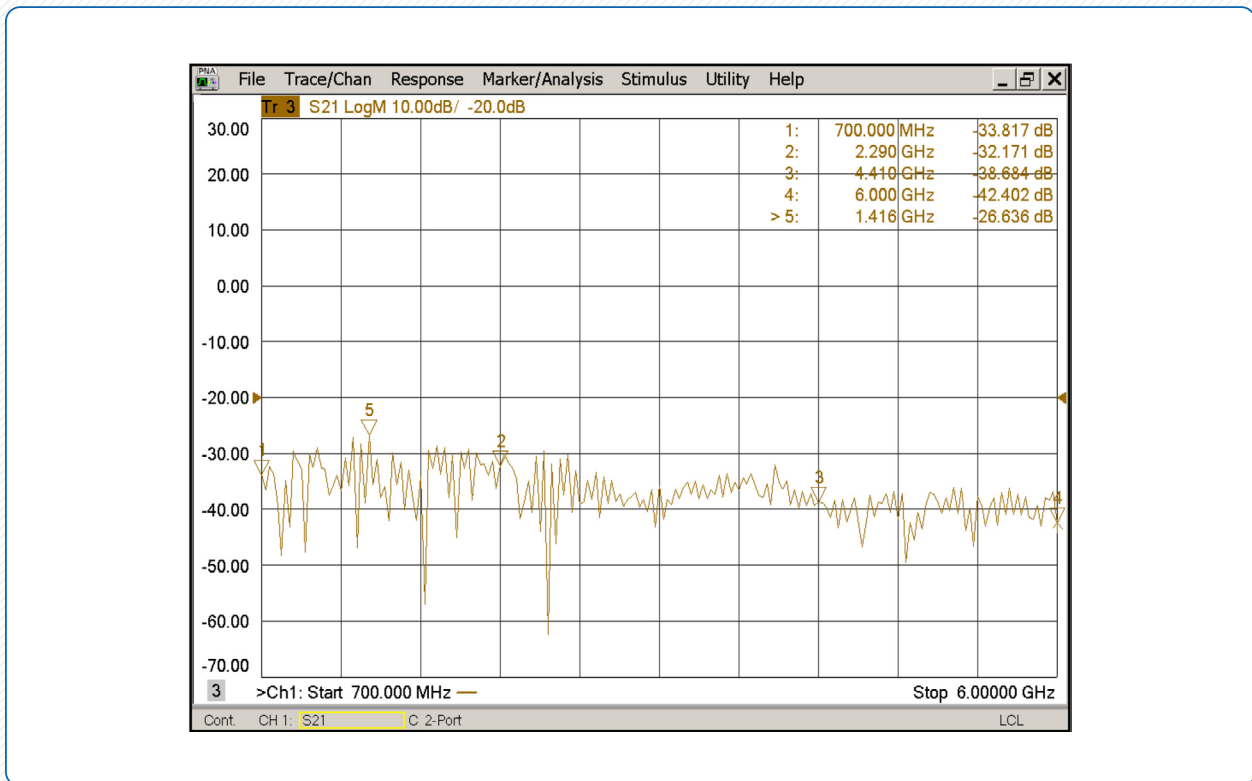


4. Cross Polarization Isolation

H Port

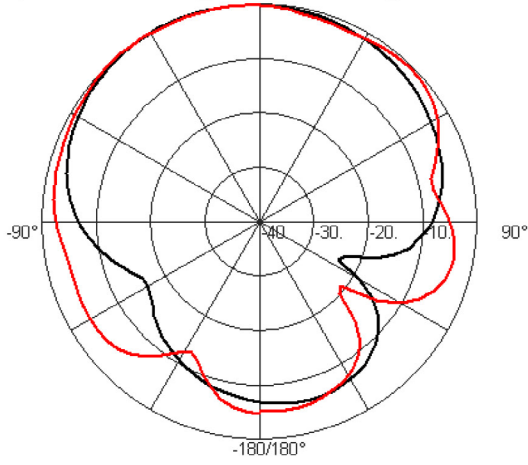


5. Port to Port Isolation

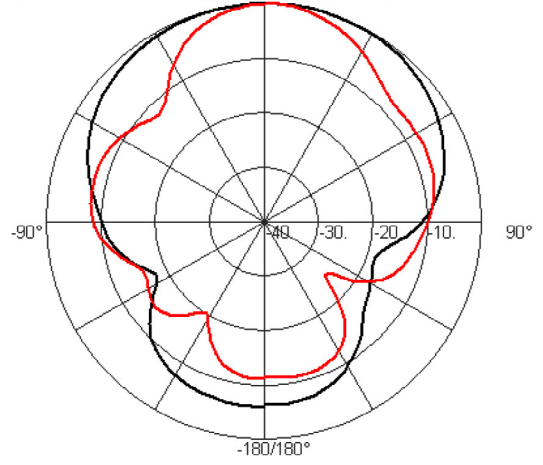


6. Pattern

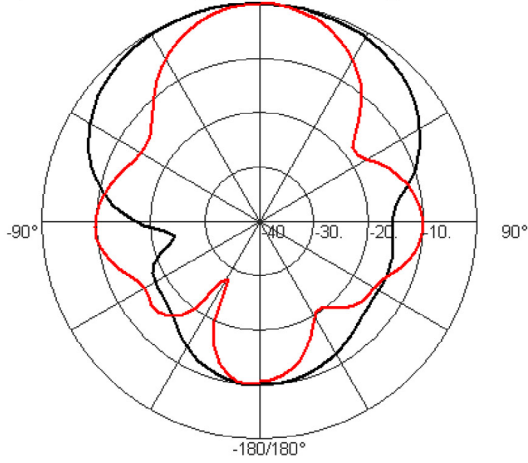
Freq:0.700GHz BW_E:126.35° BW_H:154.79°



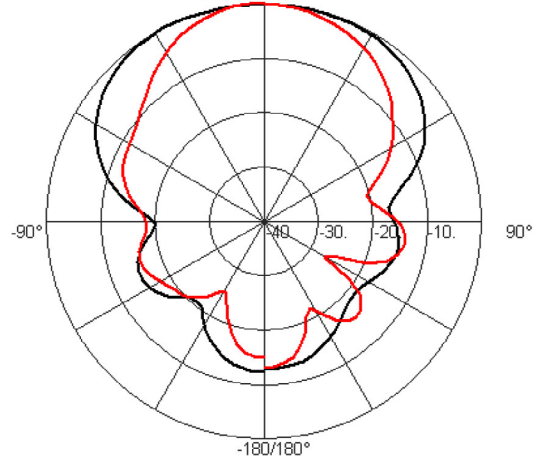
Freq:0.800GHz BW_E:116.07° BW_H:46.24°



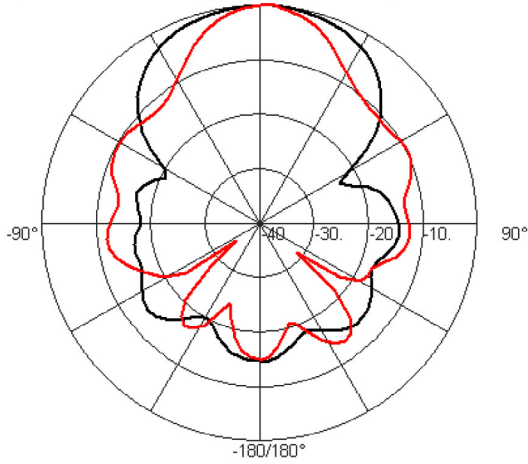
Freq:0.900GHz BW_E:101.65° BW_H:44.01°



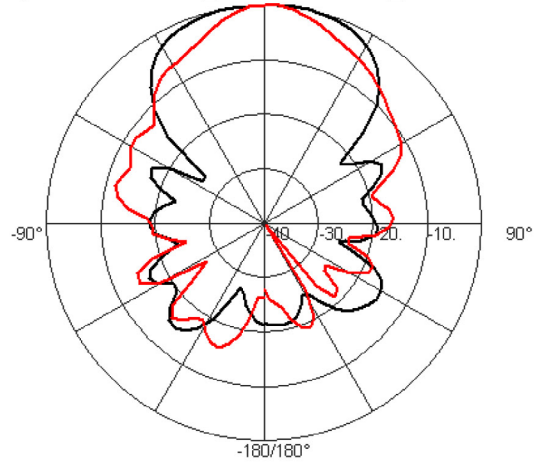
Freq:1.000GHz BW_E:104.42° BW_H:53.52°



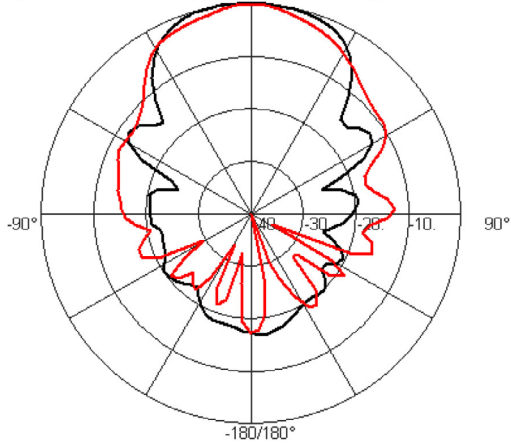
Freq:1.500GHz BW_E:61.18° BW_H:32.16°



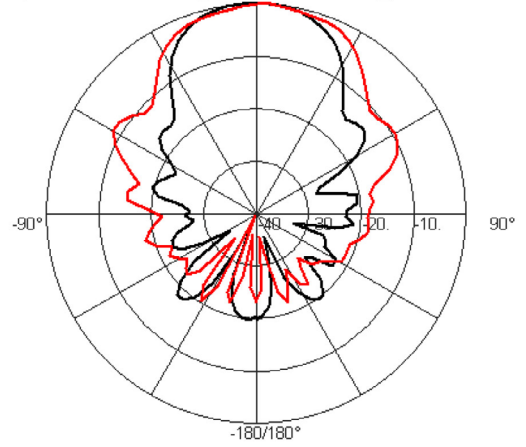
Freq:2.000GHz BW_E:63.25° BW_H:33.29°



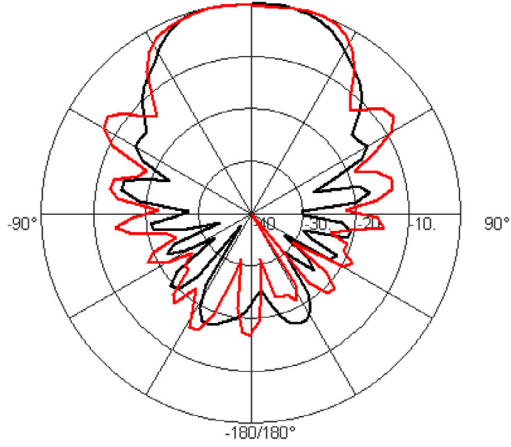
Freq:2.500GHz BW_E:56.17° BW_H:48.81°



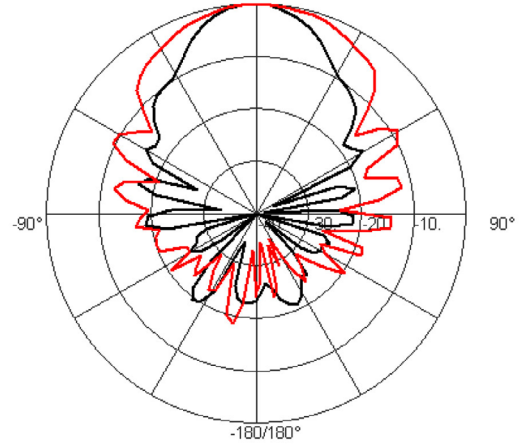
Freq:3.000GHz BW_E:43.15° BW_H:54.88°



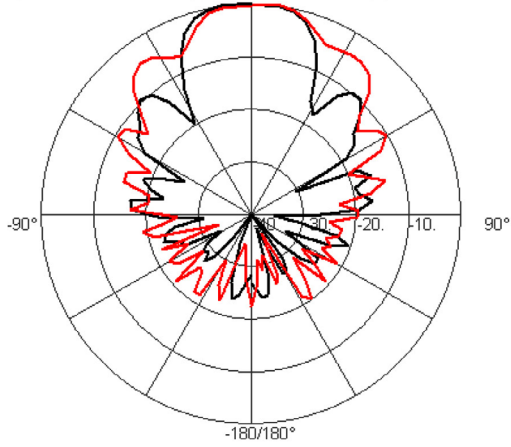
Freq:3.500GHz BW_E:53.17° BW_H:61.19°



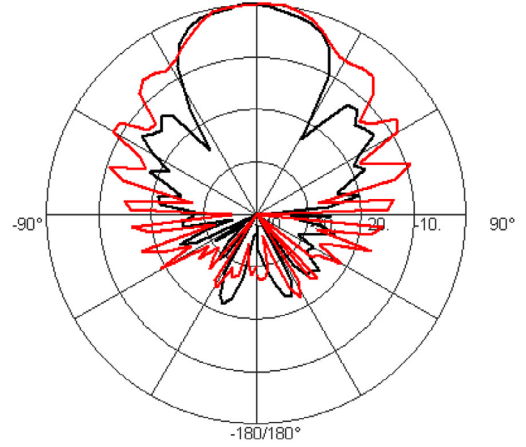
Freq:4.000GHz BW_E:31.64° BW_H:56.33°



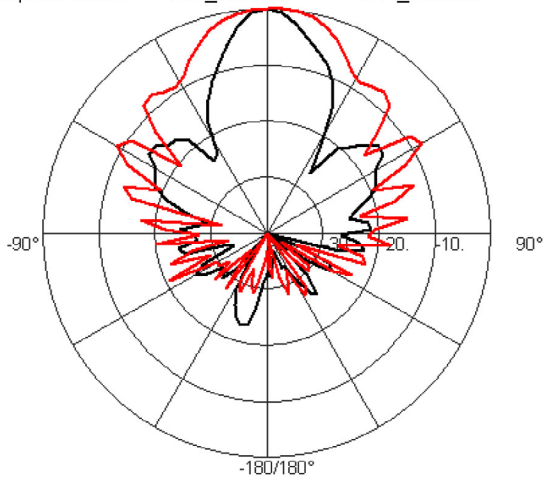
Freq:4.500GHz BW_E:36.85° BW_H:35.32°



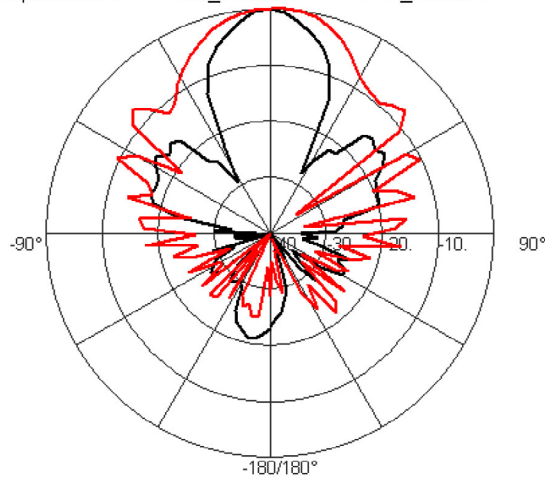
Freq:5.000GHz BW_E:40.35° BW_H:38.43°



Freq:5.500GHz BW_E:17.46° BW_H:35.92°



Freq:6.000GHz BW_E:20.52° BW_H:36.94°



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