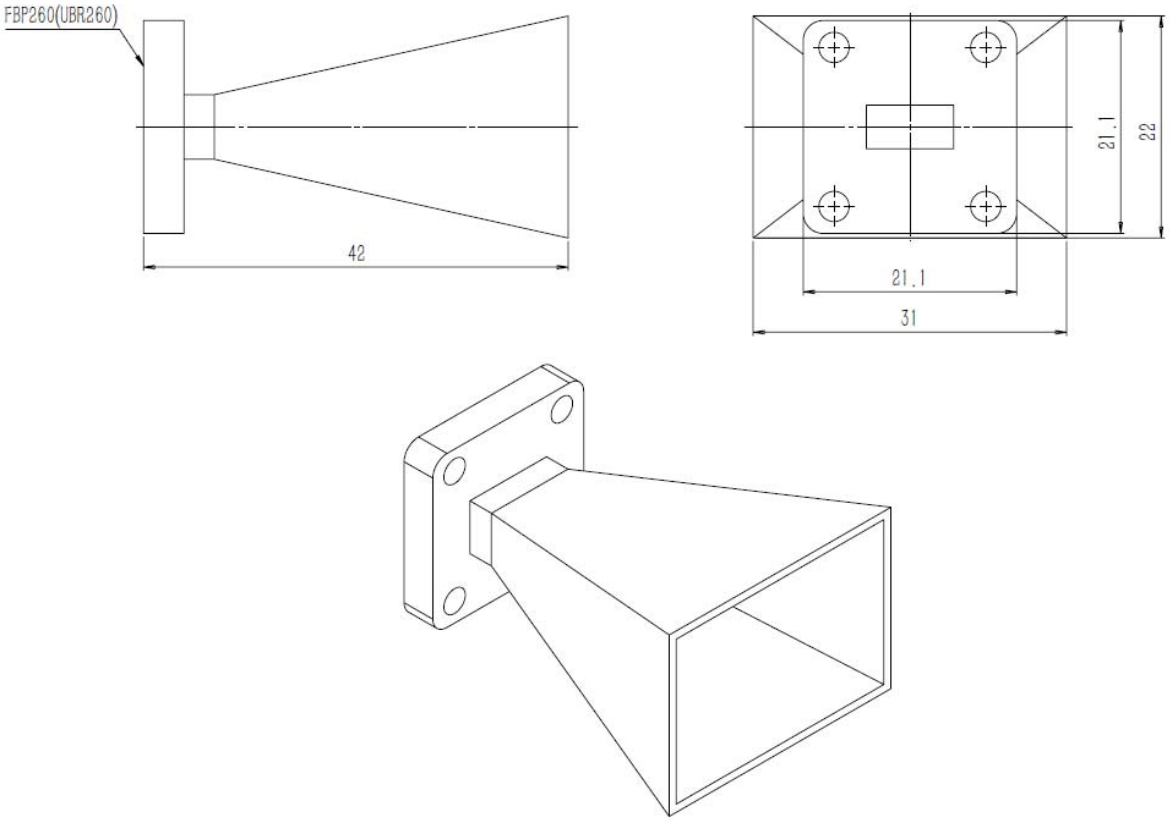
Technical Specification

Frequency Range(GHz)	22.0 - 33.0
Gain(dB)	15 Typ.
3dB Beamwidth(deg)	30 Typ.
Waveguide	WR34
Material	Cu
Output	A Type: FBP260(UBR260) C Type: 2.92mm-F
Size(mm) W x H x L	A Type: 31x22x42 C Type: 31x22x67
Net Weight(Kg)	A Type: 0.05 Around C Type: 0.10 Around

Outline Drawing (Size: mm)

A Type(With FBP260 Output)



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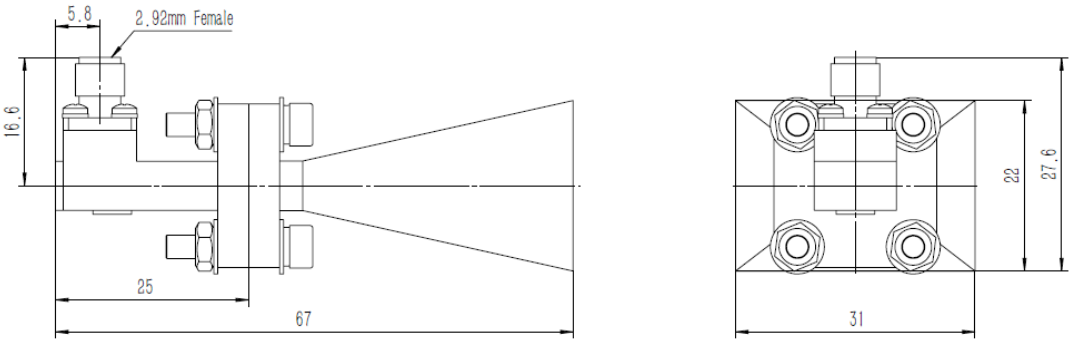
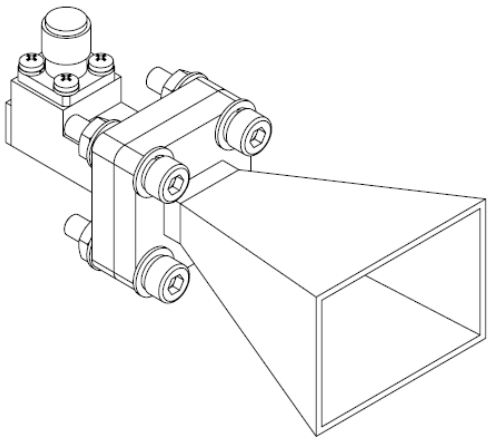
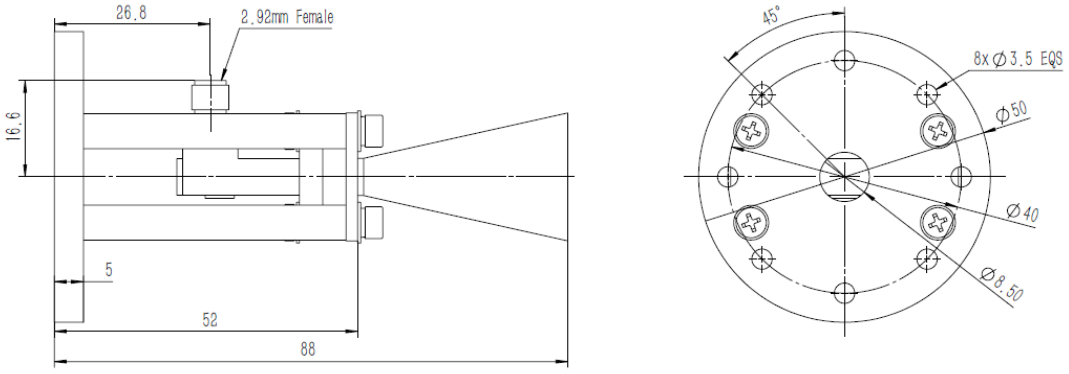
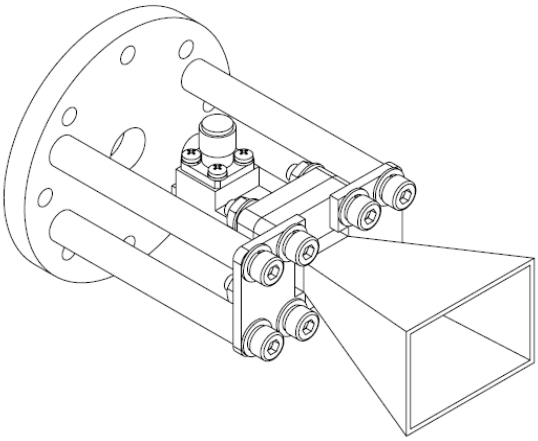
C Type (With 2.92mm-Female Output)



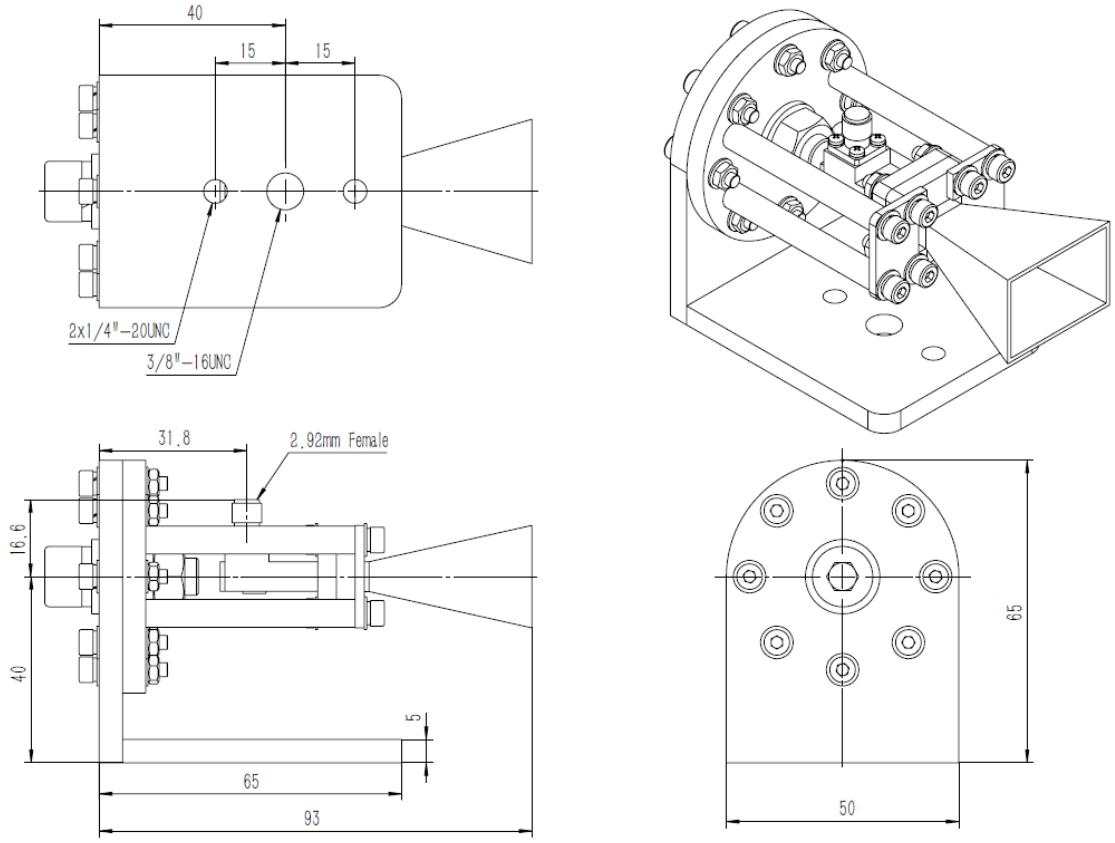


C Type (With 2.92mm-Female Output & Round Mounting Bracket)

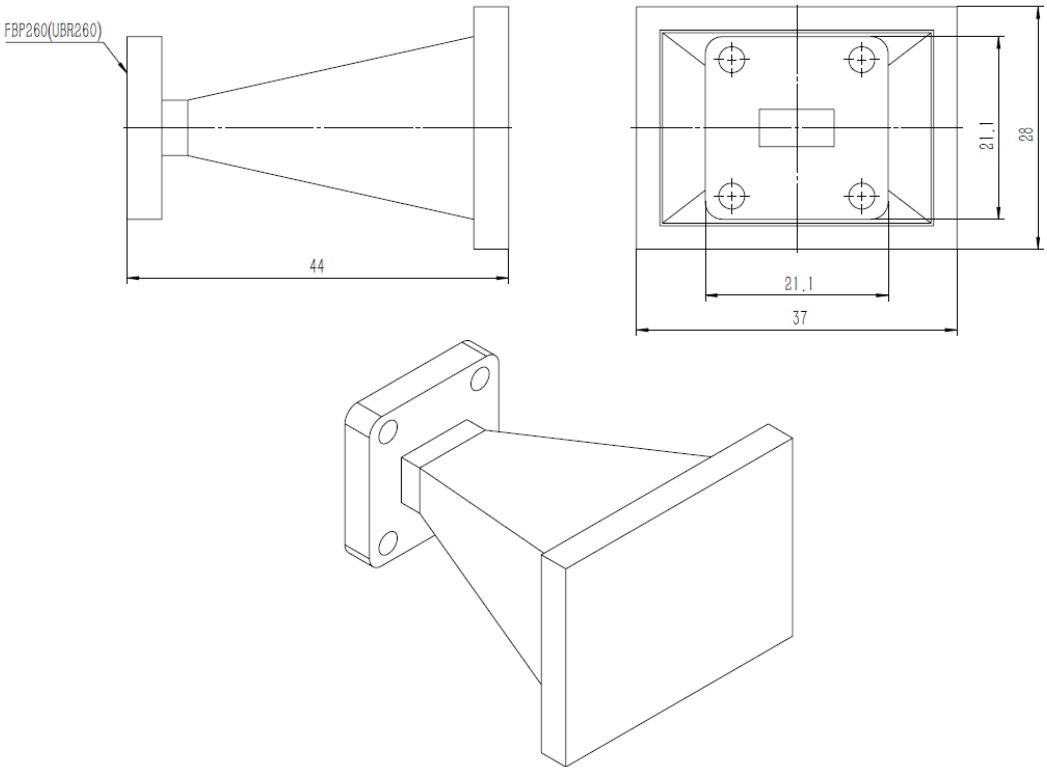




C Type (With 2.92mm-Female Output & L Type Mounting Bracket)



A Type (With Radome)



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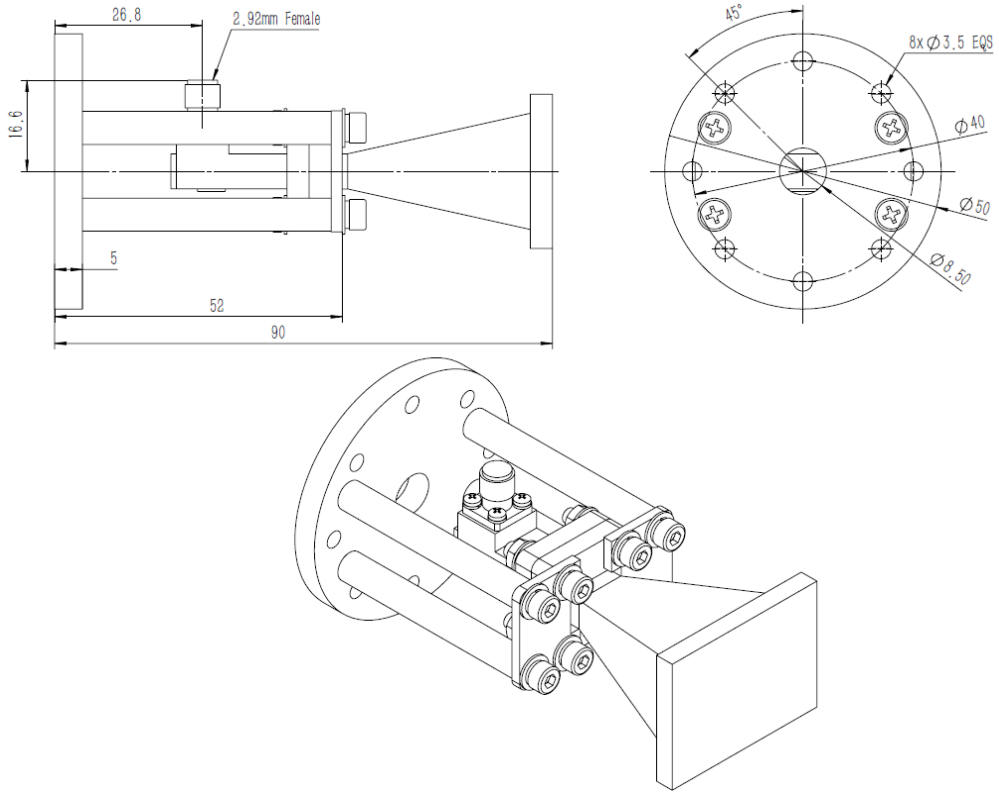
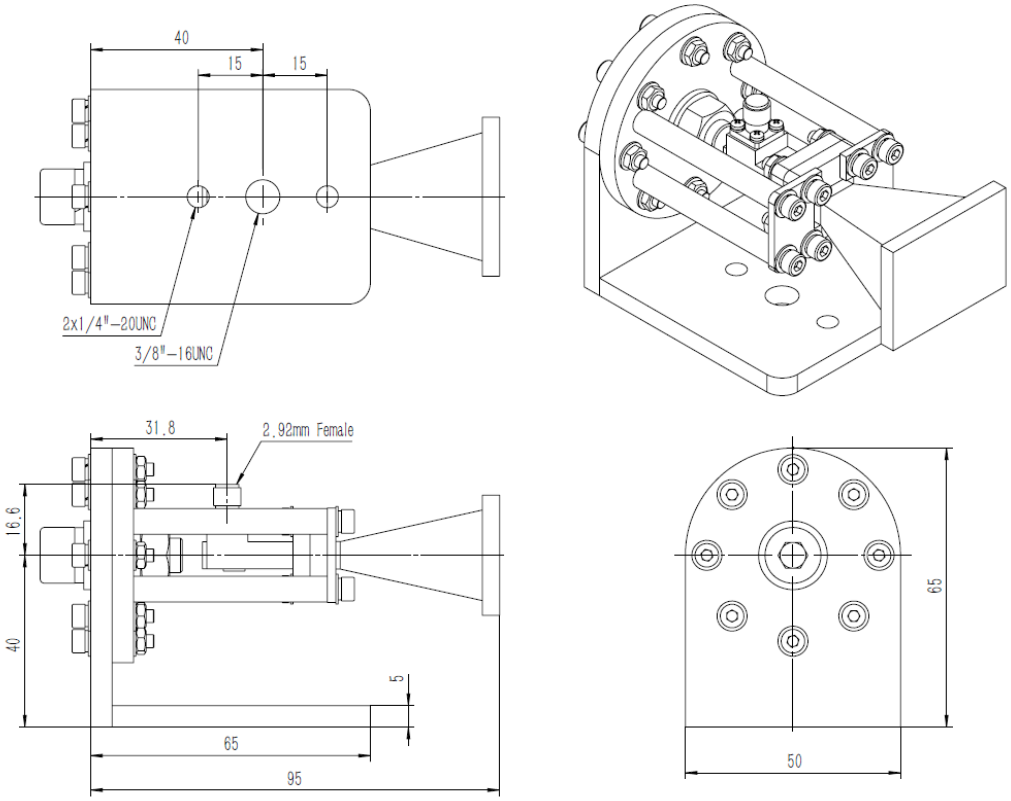
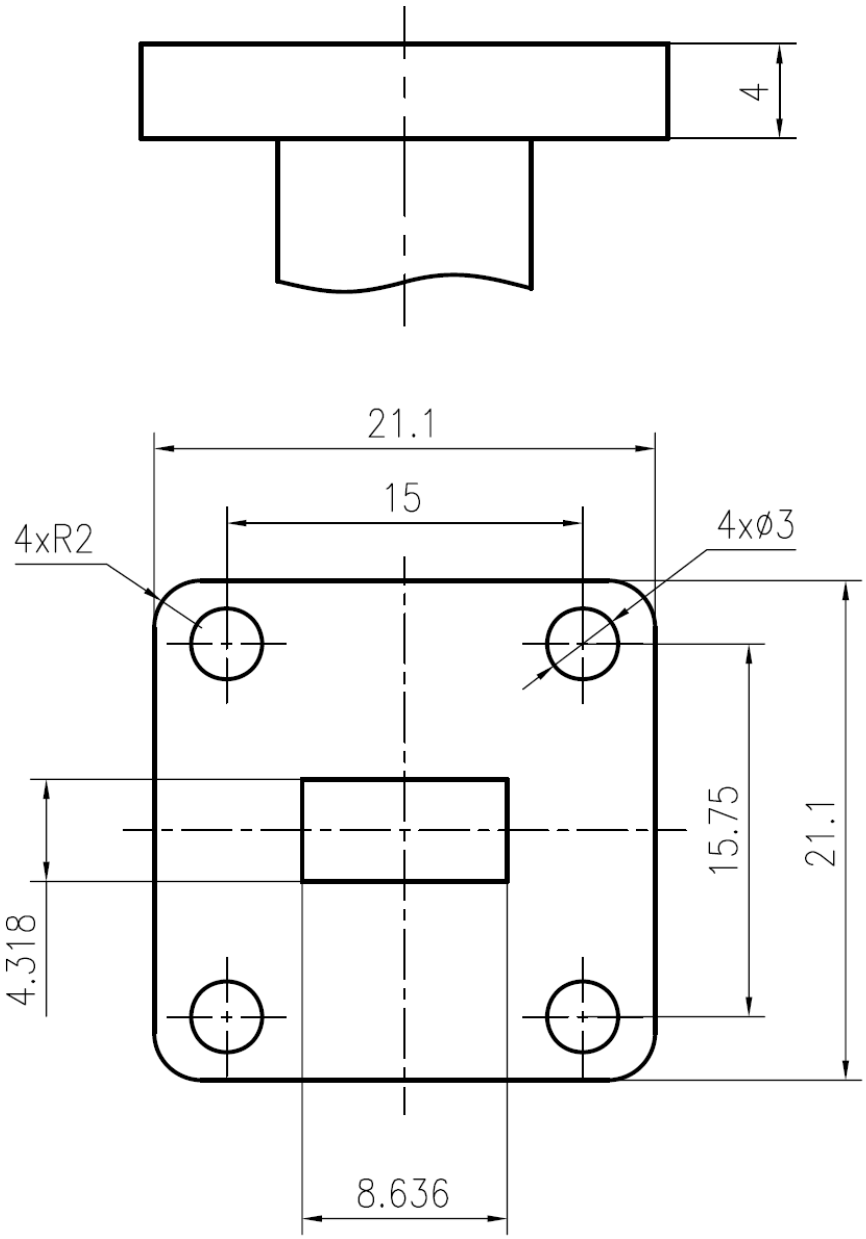
C Type (With 2.92mm-Female Output & Round Mounting Bracket & Radome)



C Type (With 2.92mm-Female Output & L Type Mounting Bracket & Radome)



Flange Drawing (Size: mm)



FBP260

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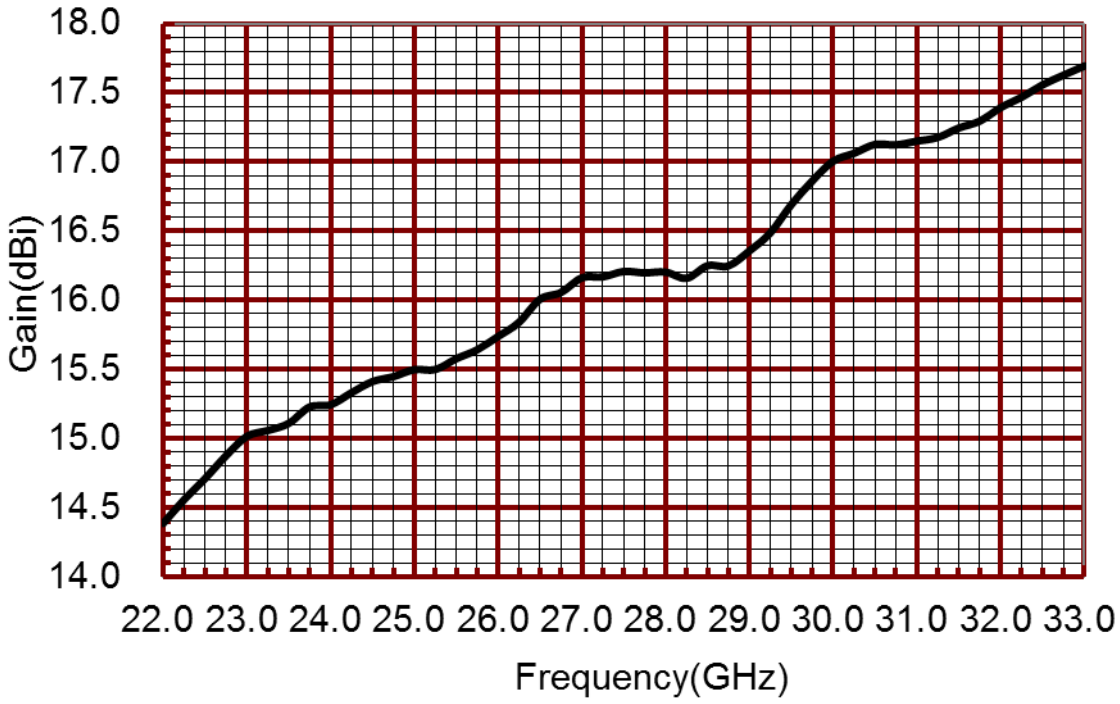
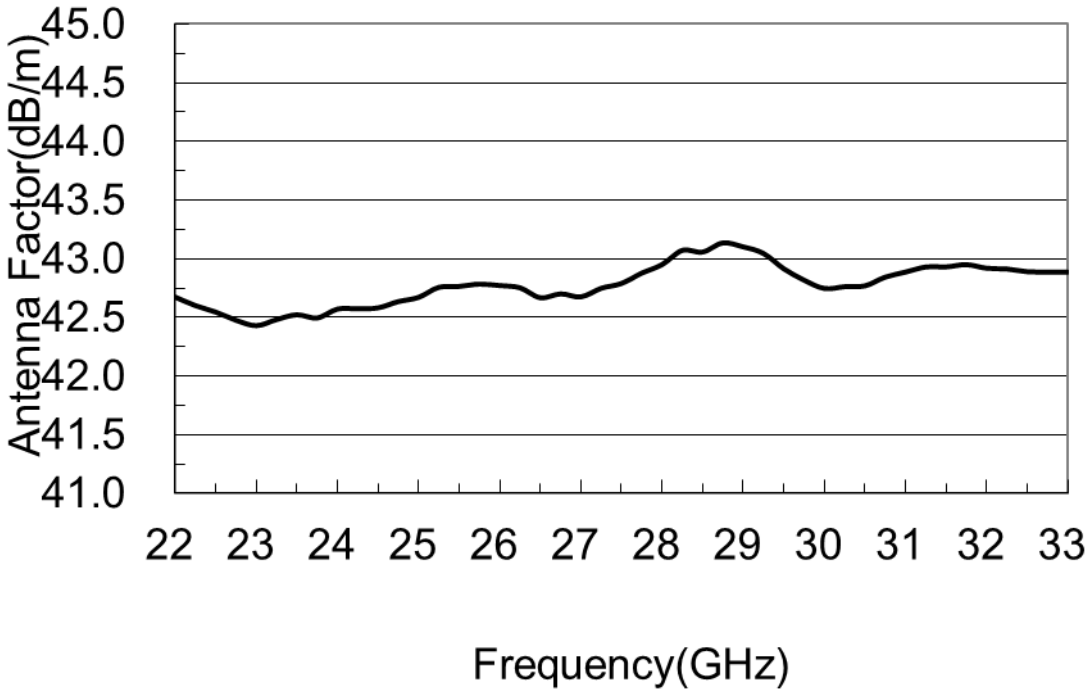
Test Results

1. Gain and Antenna Factor

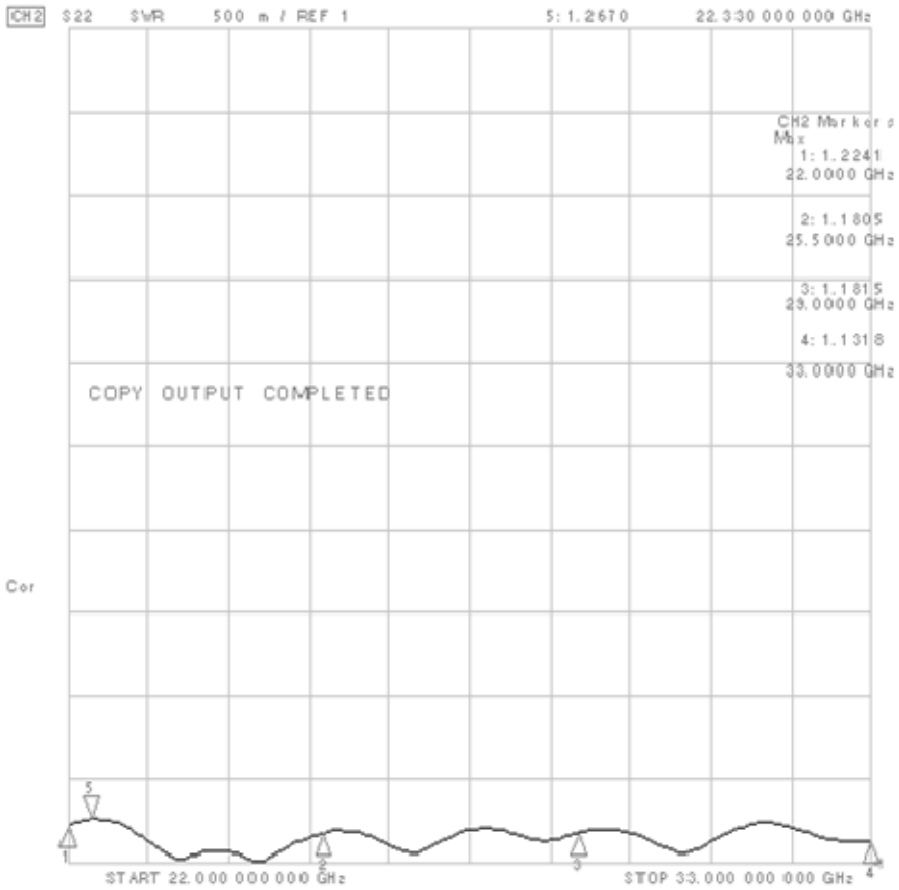




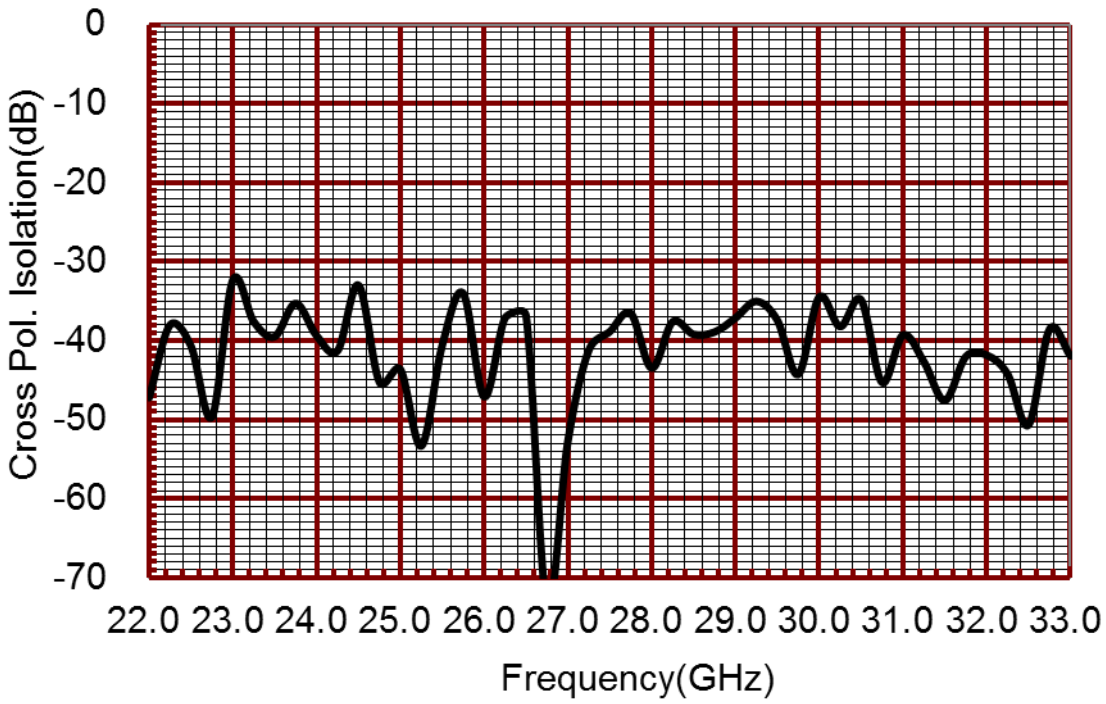
Frequency (GHz)	Gain (dB)	Antenna Factor (dB/m)
22.00	14.38	42.67
22.50	14.71	42.55
23.00	15.01	42.43
23.50	15.11	42.52
24.00	15.24	42.57
24.50	15.41	42.58
25.00	15.50	42.67
25.50	15.58	42.76
26.00	15.74	42.77
26.50	16.01	42.67
27.00	16.16	42.68
27.50	16.21	42.79

Frequency (GHz)	Gain (dB)	Antenna Factor (dB/m)
28.00	16.20	42.95
28.50	16.25	43.06
29.00	16.36	43.10
29.50	16.69	42.91
30.00	17.01	42.75
30.50	17.13	42.77
31.00	17.15	42.89
31.50	17.25	42.93
32.00	17.39	42.92
32.50	17.56	42.89
33.00	17.69	42.88

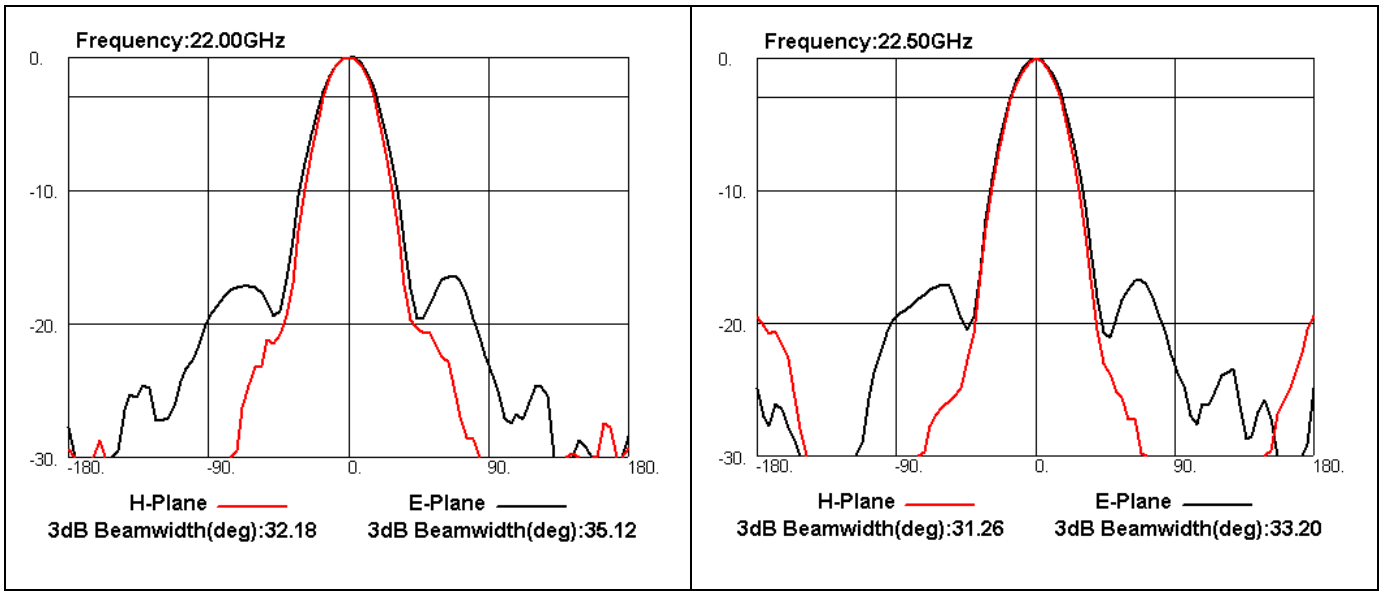
2. VSWR



3. Cross Polarization Isolation

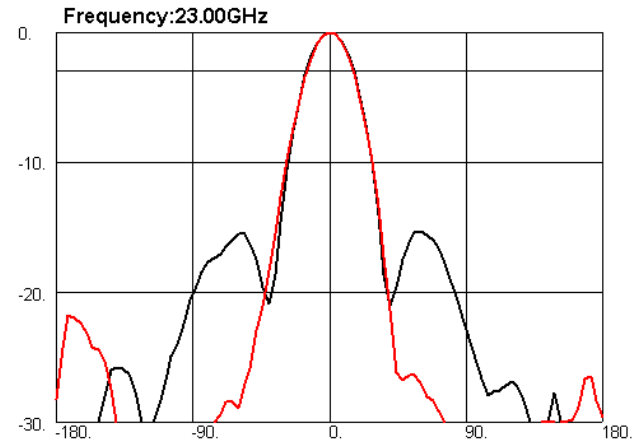


4. Pattern

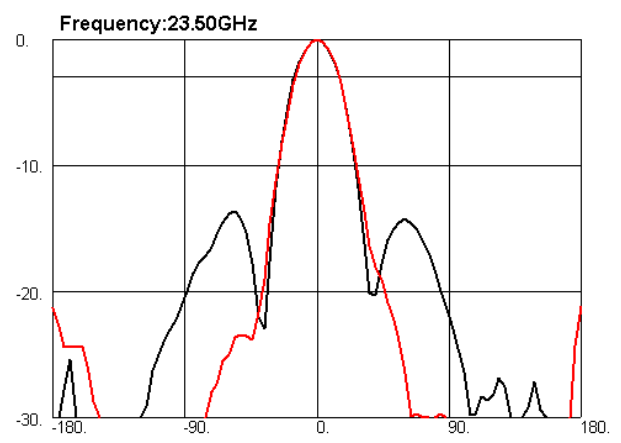


SB-34-15

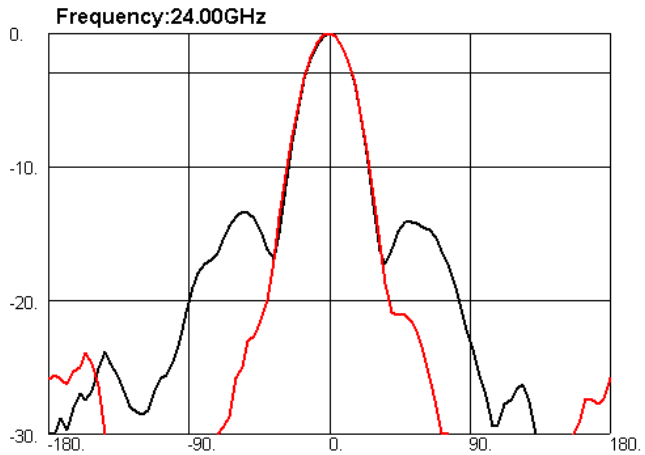
22.0 - 33.0GHz Standard Gain Horn Antenna



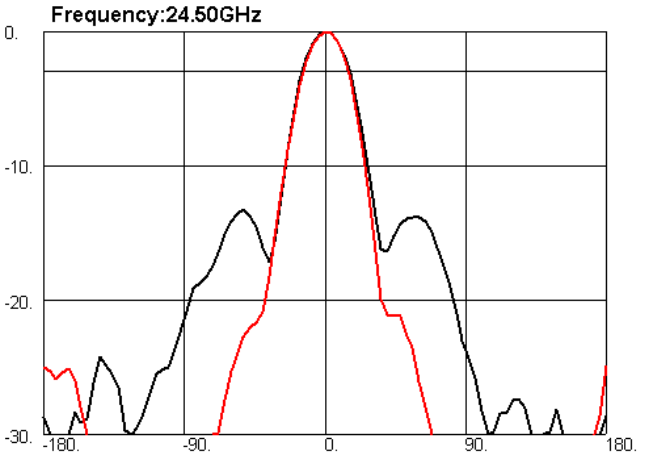
3dB Beamwidth(deg):30.01 | 3dB Beamwidth(deg):31.41



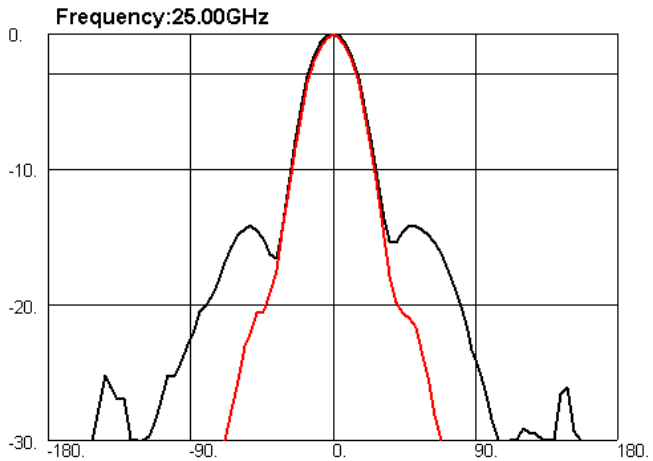
3dB Beamwidth(deg):29.25 | 3dB Beamwidth(deg):30.30



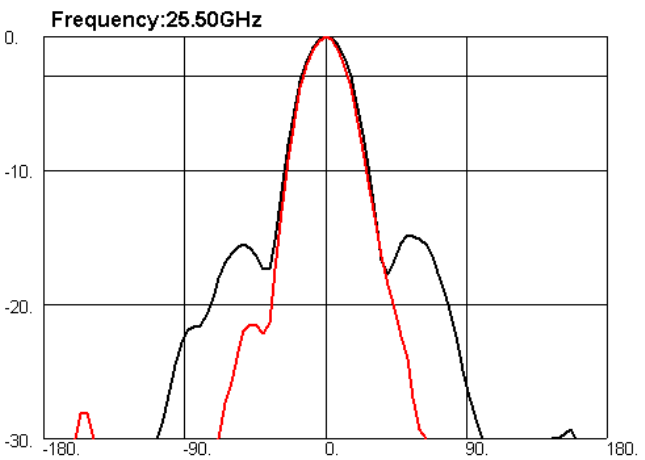
3dB Beamwidth(deg):29.15 | 3dB Beamwidth(deg):28.78



3dB Beamwidth(deg):28.21 | 3dB Beamwidth(deg):30.14



3dB Beamwidth(deg):28.55 | 3dB Beamwidth(deg):30.89



3dB Beamwidth(deg):27.69 | 3dB Beamwidth(deg):31.04

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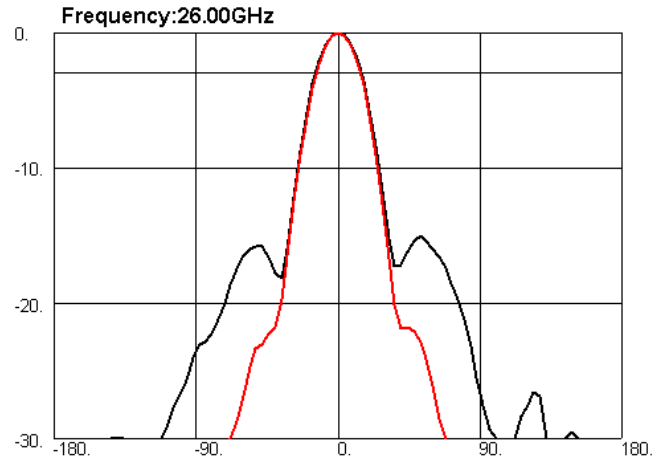
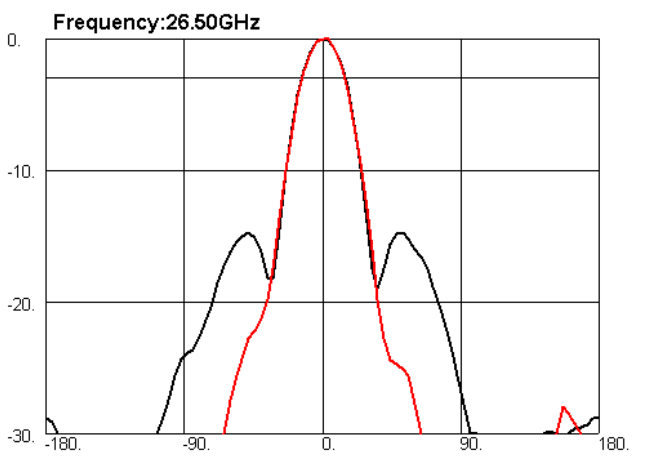
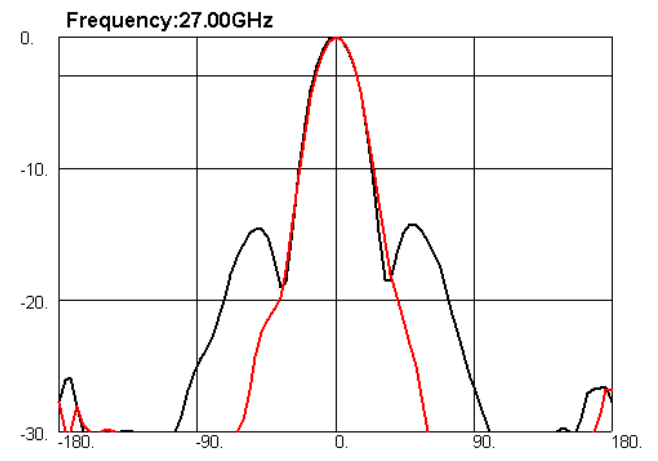


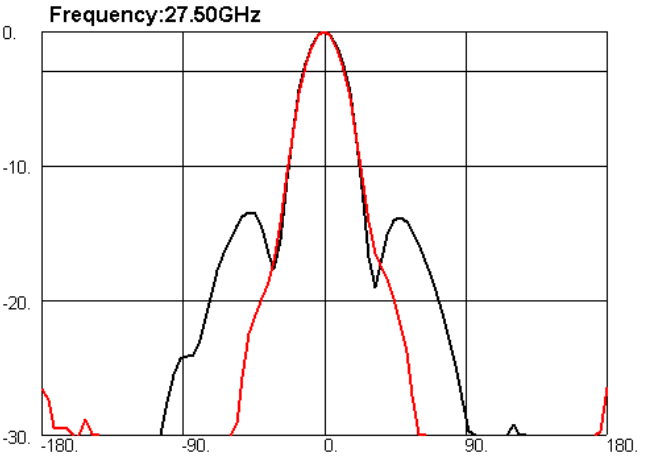
3dB Beamwidth(deg):27.36 3dB Beamwidth(deg):28.84



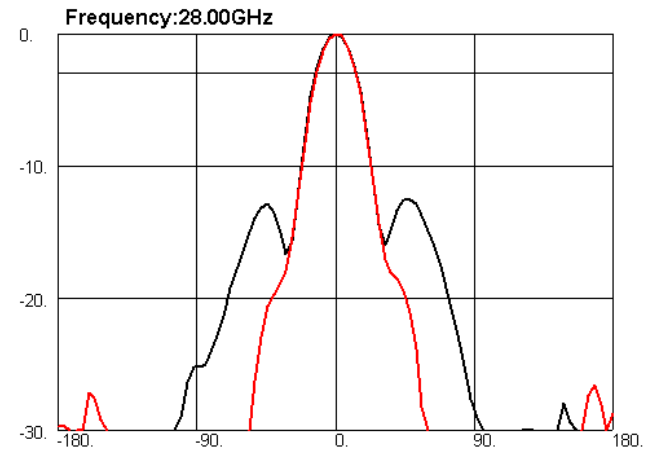
3dB Beamwidth(deg):27.18 3dB Beamwidth(deg):27.95



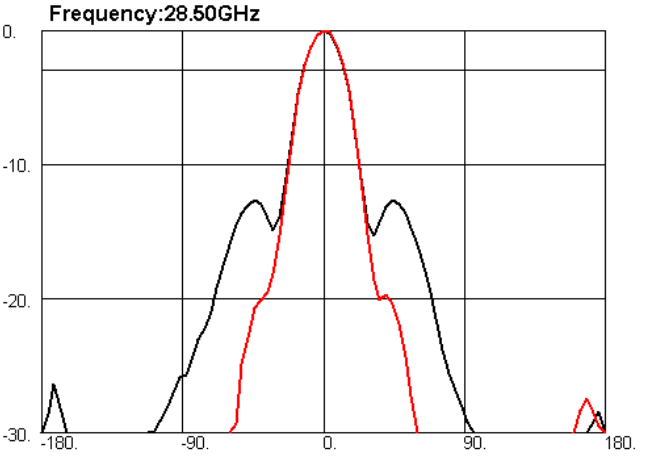
3dB Beamwidth(deg):26.35 3dB Beamwidth(deg):27.22



3dB Beamwidth(deg):25.12 3dB Beamwidth(deg):26.34



3dB Beamwidth(deg):25.28 3dB Beamwidth(deg):26.08



3dB Beamwidth(deg):25.75 3dB Beamwidth(deg):25.67

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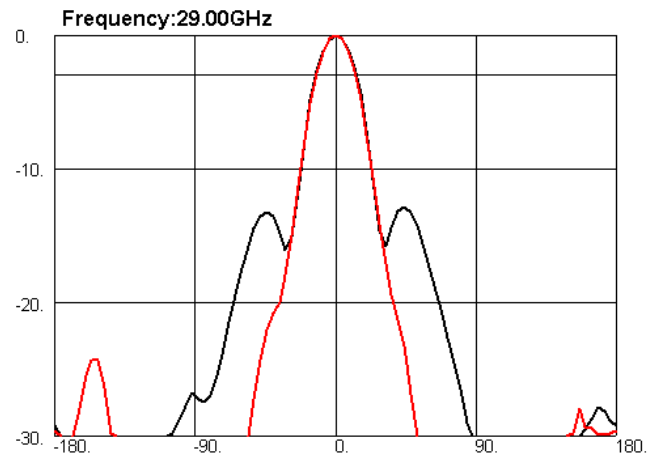
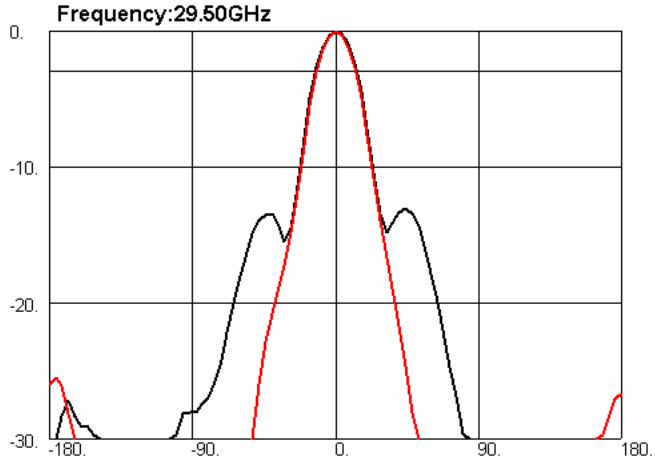
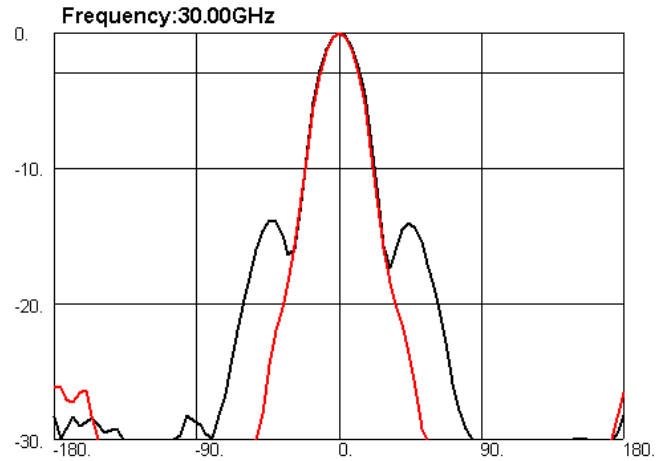
SB-34-15
22.0 - 33.0GHz Standard Gain Horn Antenna



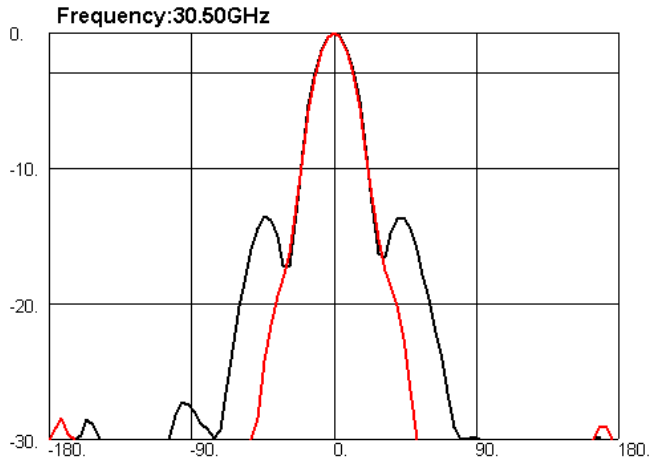
3dB Beamwidth(deg):24.78 3dB Beamwidth(deg):25.75



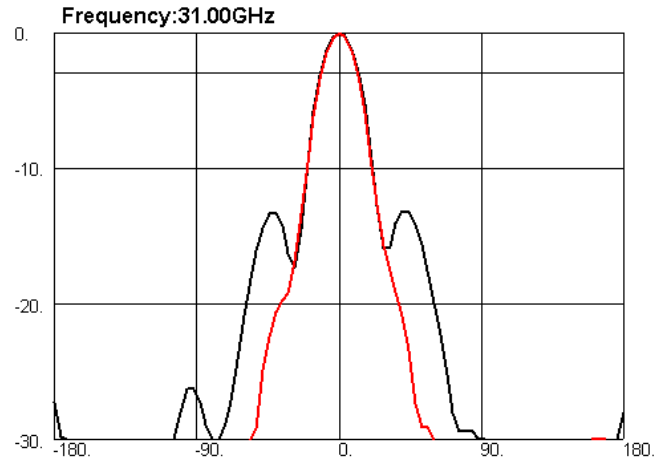
3dB Beamwidth(deg):24.36 3dB Beamwidth(deg):25.72



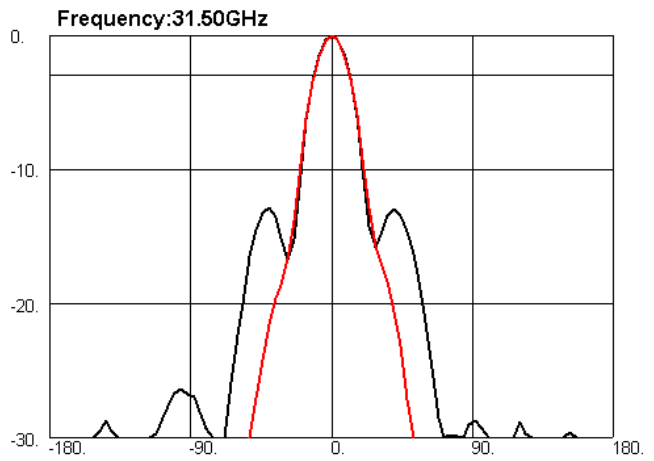
3dB Beamwidth(deg):23.79 3dB Beamwidth(deg):25.46



3dB Beamwidth(deg):23.20 3dB Beamwidth(deg):24.51



3dB Beamwidth(deg):22.71 3dB Beamwidth(deg):23.86



3dB Beamwidth(deg):22.29 3dB Beamwidth(deg):22.61

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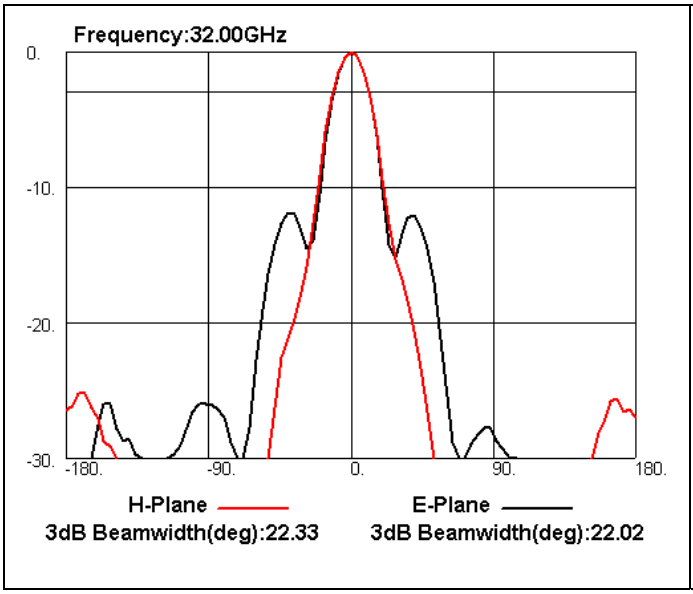
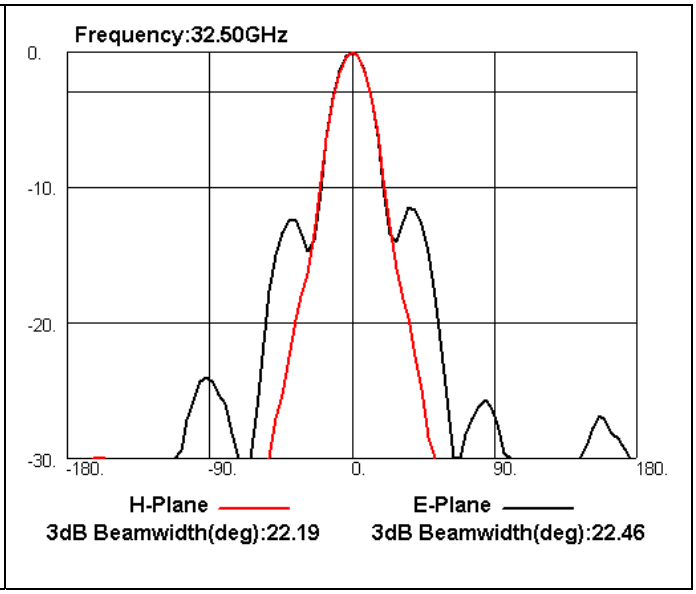
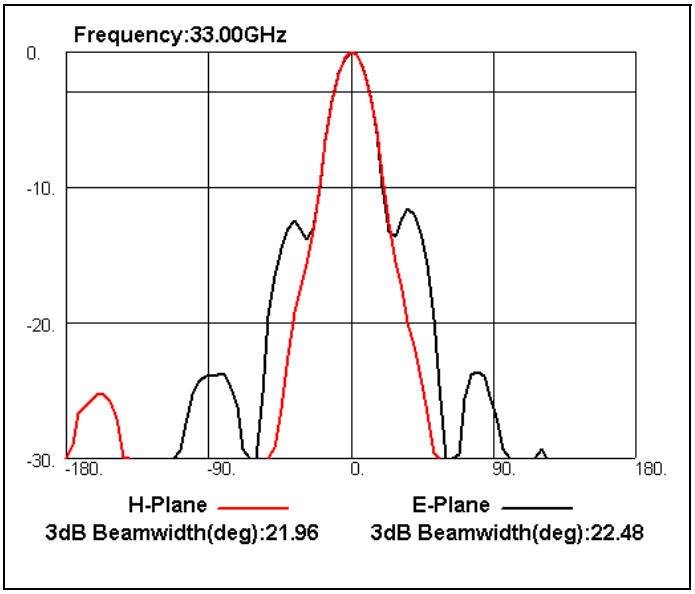
SB-34-15
22.0 - 33.0GHz Standard Gain Horn Antenna



3dB Beamwidth(deg):22.33 3dB Beamwidth(deg):22.02



3dB Beamwidth(deg):22.19 3dB Beamwidth(deg):22.46



3dB Beamwidth(deg):21.96 3dB Beamwidth(deg):22.48

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