A-INFO

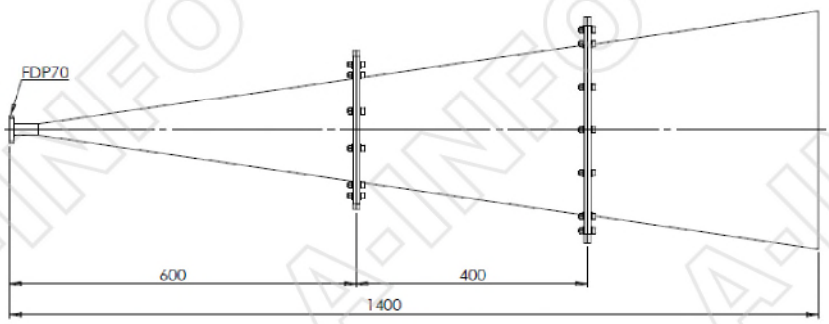
LB-137-25
5.85 - 8.20GHz Standard Gain Horn Antenna

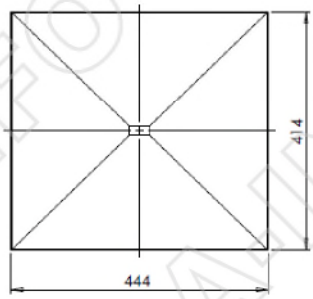
Technical Specification

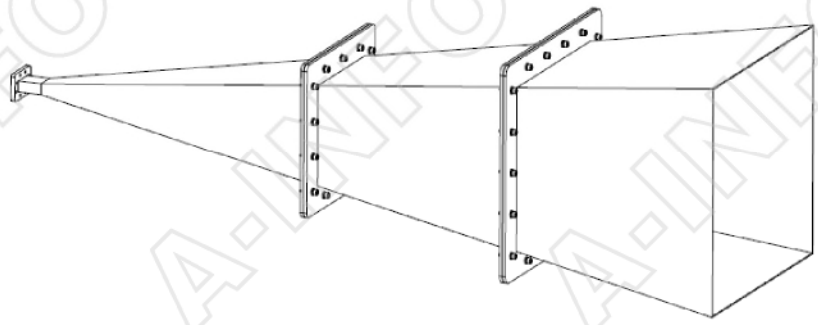
Frequency Range(GHz)	5.85 - 8.20
Gain(dB)	25 Typ.
3dB Beamwidth(deg)	10 Typ.
Waveguide	WR137
Material	Al
Output	A Type: FDP70 C Type: N-F or SMA-F
Size(mm) W x H x L	A Type: 444x414x1400 C Type: 444x414x1448
Net Weight(Kg)	A Type: 11.4 Around C Type: 11.5 Around

Outline Drawing (Size: mm)

A Type



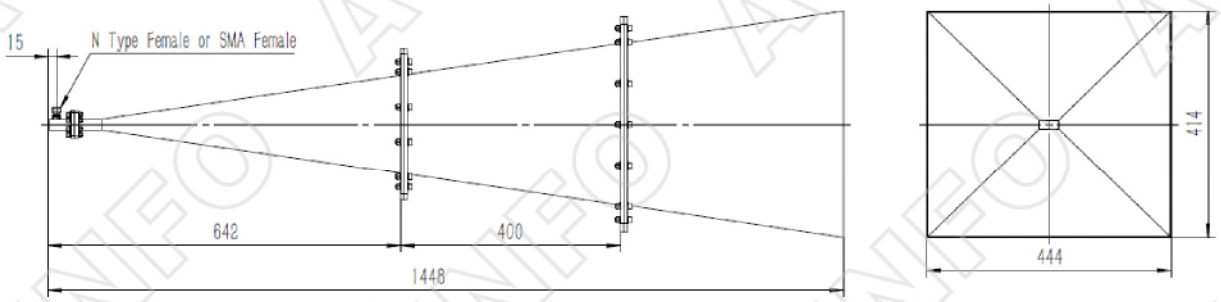


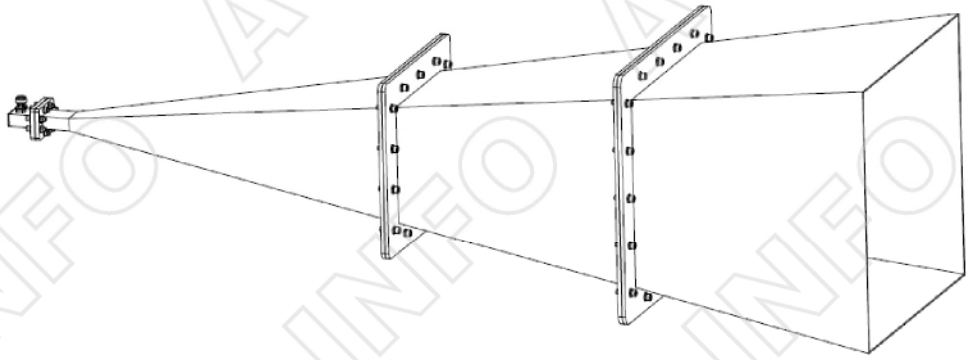


W x H x L: 444x414x1400

A-INFO

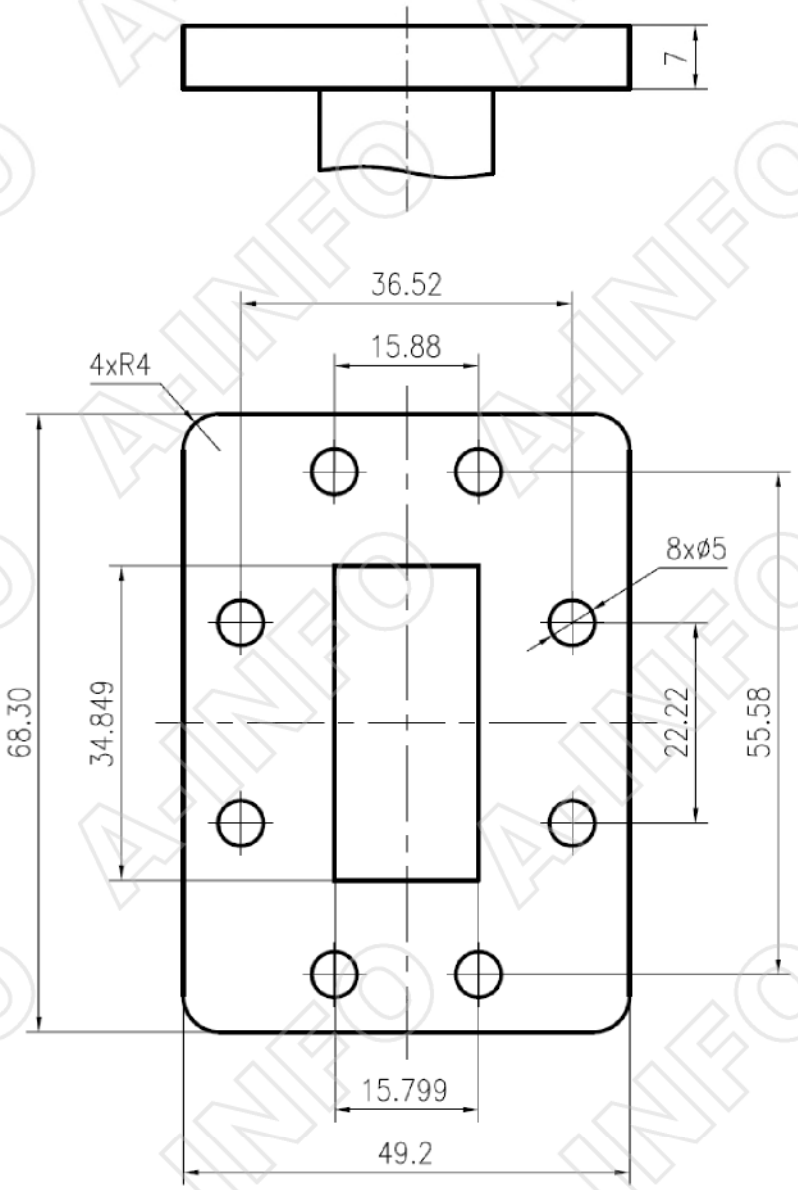
C Type





W x H x L: 444x414x1448

Flange Drawing (Size: mm)



FDP70

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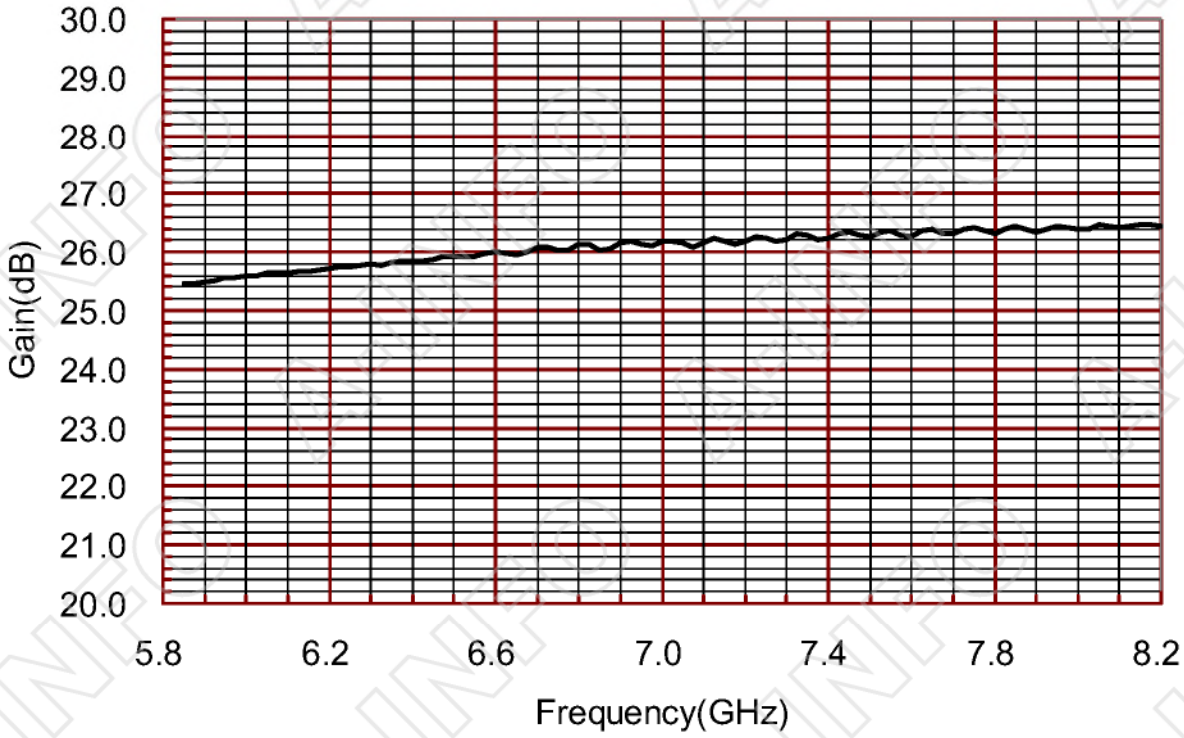
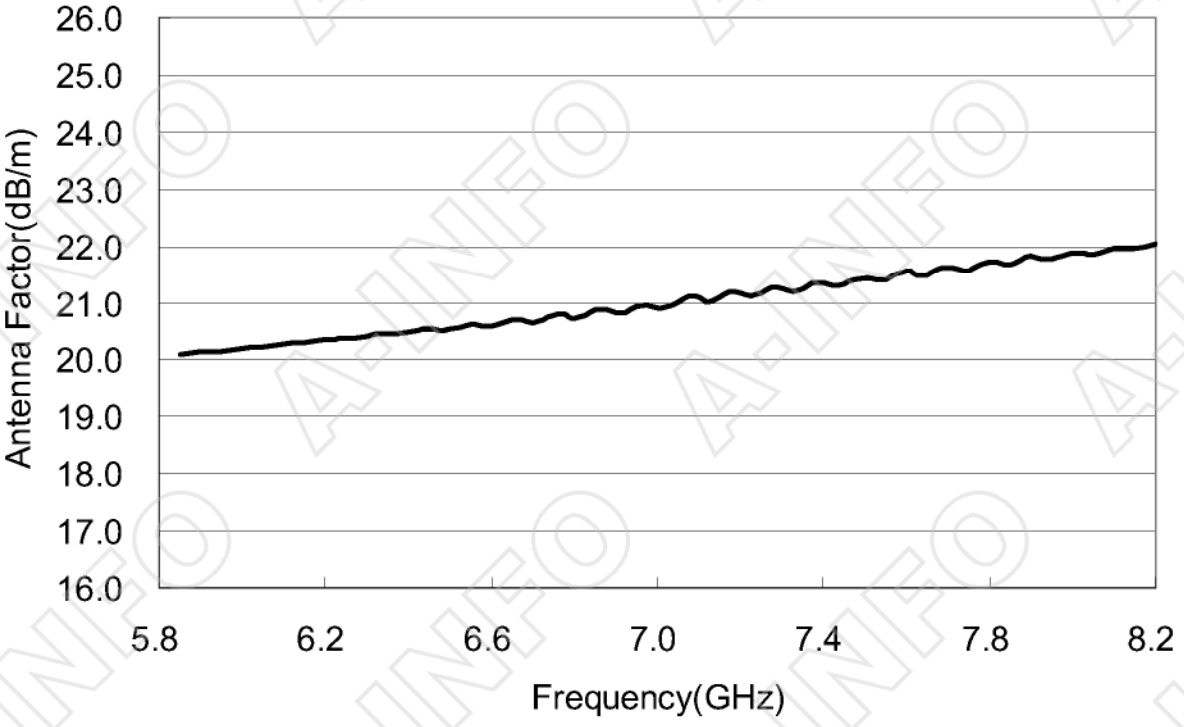
Test Results

1. Gain and Antenna Factor





Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
5.8	25.47	20.08
5.9	25.48	20.15
6.0	25.58	20.19
6.1	25.63	20.29
6.2	25.72	20.34
6.3	25.79	20.41
6.4	25.85	20.48
6.5	25.94	20.53
6.6	26.01	20.59
6.7	26.08	20.65
6.8	26.14	20.72
6.9	26.16	20.83
7.0	26.20	20.91
7.1	26.16	21.08
7.2	26.19	21.17
7.3	26.22	21.26
7.4	26.24	21.36
7.5	26.26	21.45
7.6	26.27	21.56
7.7	26.31	21.63
7.8	26.33	21.73
7.9	26.34	21.82
8.0	26.38	21.89
8.1	26.41	21.97
8.2	26.44	22.05

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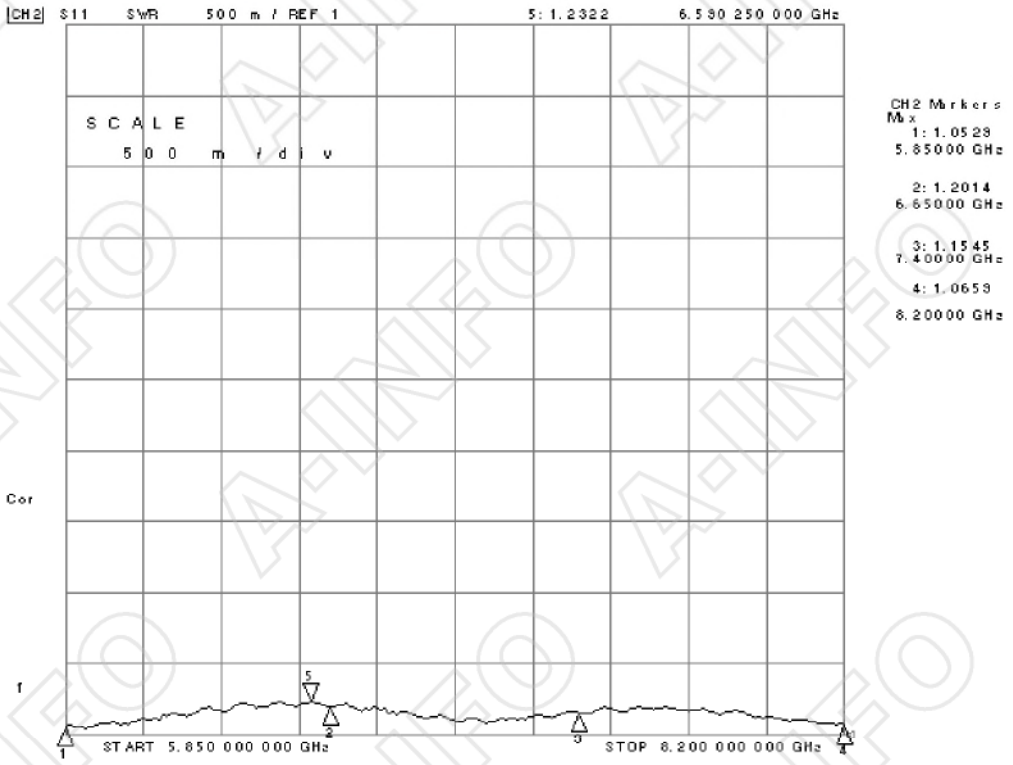
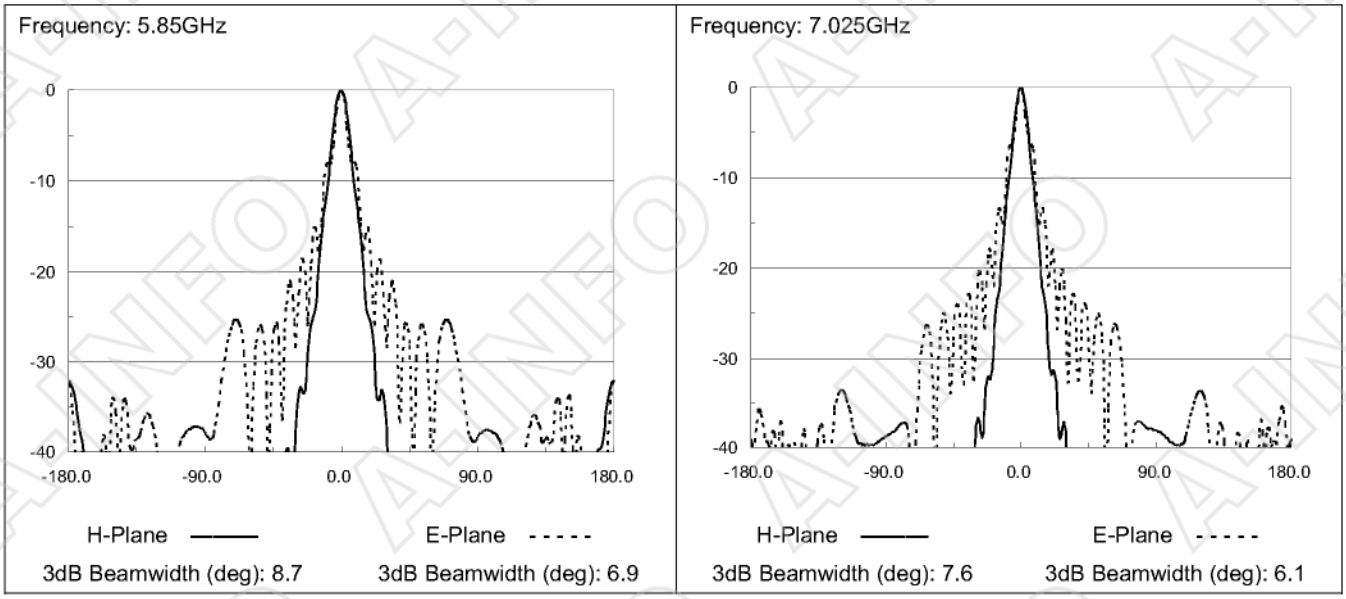
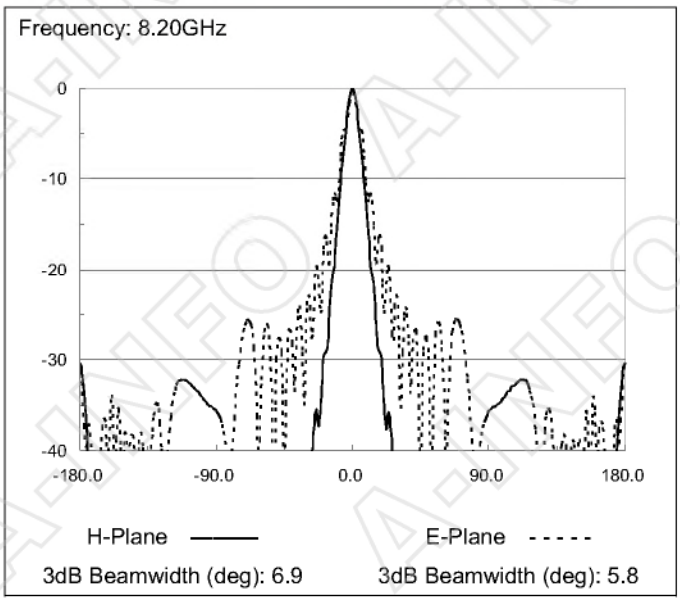
2. VSWR



3. Pattern




Frequency: 8.20GHz
0
-10
-20
-30
-40
-180.0
-90.0
0.0
90.0
180.0
H-Plane
E-Plane
3dB Beamwidth (deg): 6.9
3dB Beamwidth (deg): 5.8

A-INFO