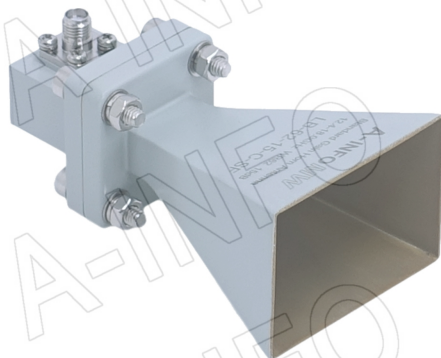


For reference only. See data sheet for the detailed specifications.

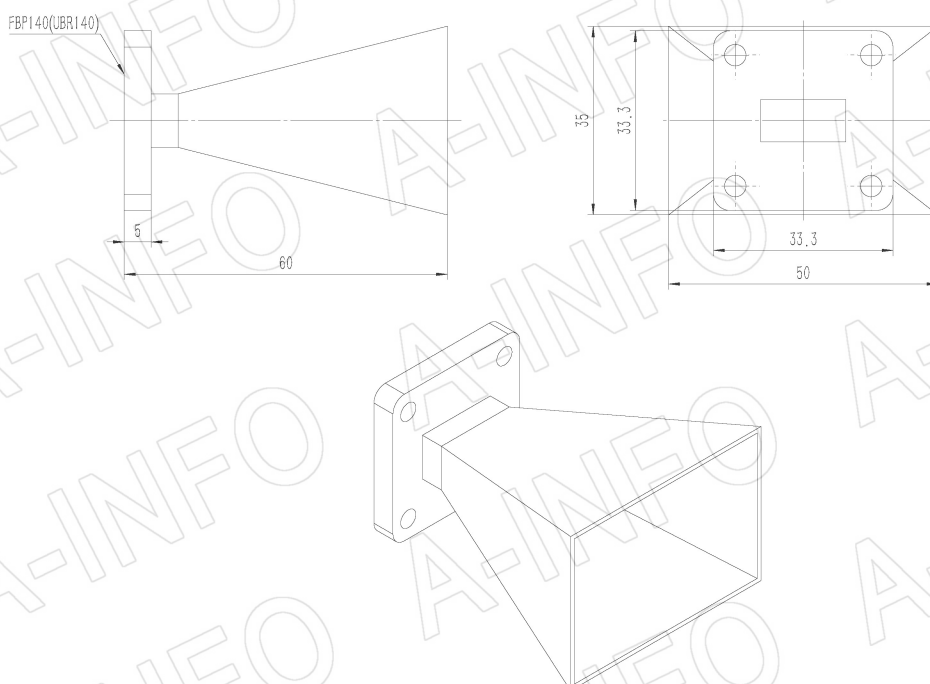
Technical Specification



Frequency Range(GHz)	12.4 – 18.0
Waveguide	WR62
Gain(dBi)	15 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 29 Typ.
	H Plane: 28 Typ.
Cross Pol. Isolation(dB)	25 Typ.
VSWR	A Type: 1.15:1 Typ.
	C Type: 1.25:1 Typ.
Output	A Type: FBP140(UBR140)
	C Type: SMA-Female or N-Female or TNC-Female or 7mm or 3.5mm-Female
Material	Al
Finish	Chemical Conversion Coating, Gray Paint
Size(mm)	A Type: 50 x 35 x 60
	C Type: 50 x 35.7 x 87
Net Weight(Kg)	A Type: 0.08 Around
	C Type: 0.10 Around

Outline Drawing (Size: mm)

FBP140 Output (P/N: LB-62-15-A)



AINFO Inc.

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

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

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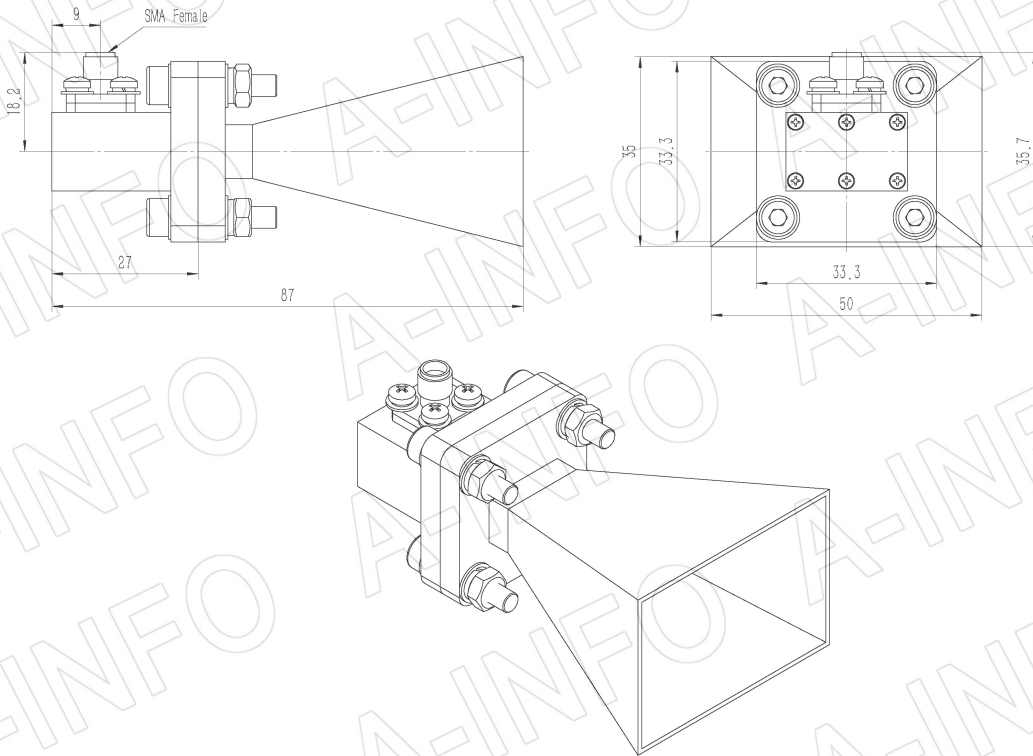
(+86) 10-6266-7327
(+86) 28-8519-3044
(+1) 949-639-9608

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

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

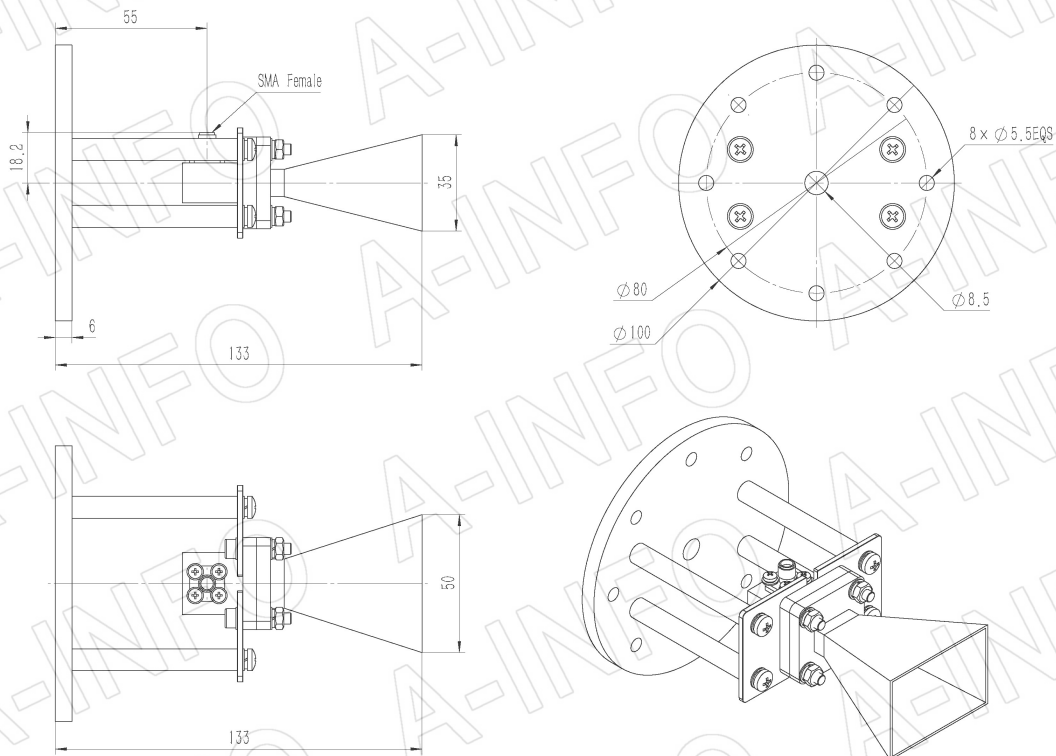
SMA-Female Output (P/N: LB-62-15-C-SF)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



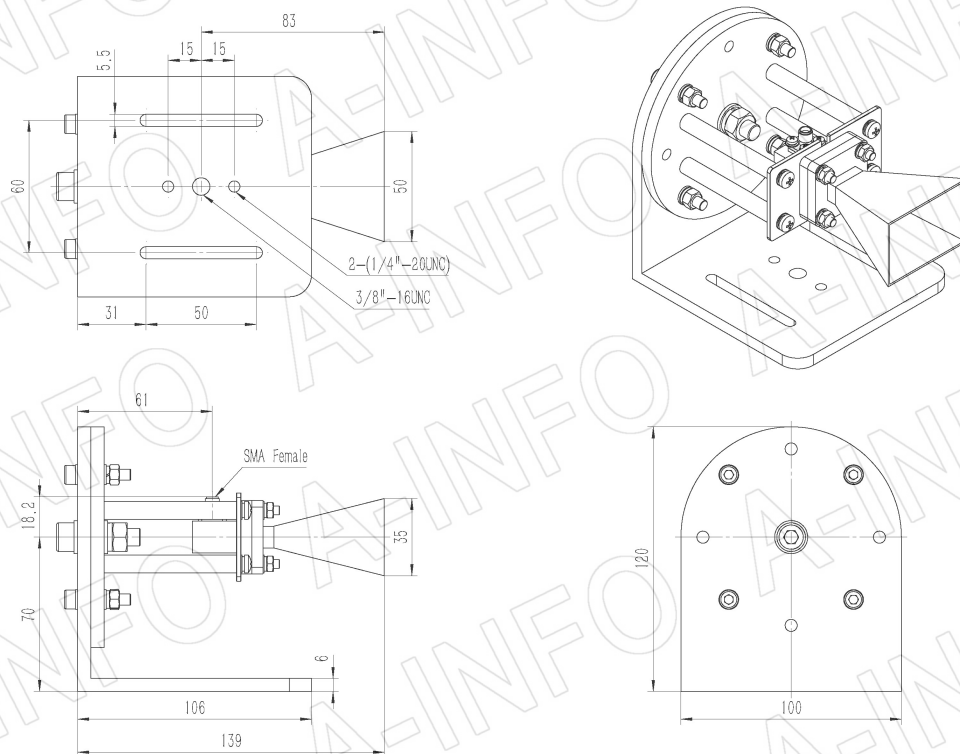
SMA-Female Output with Round Mounting Bracket (Option, P/N: LB-62-10-C-MB)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.

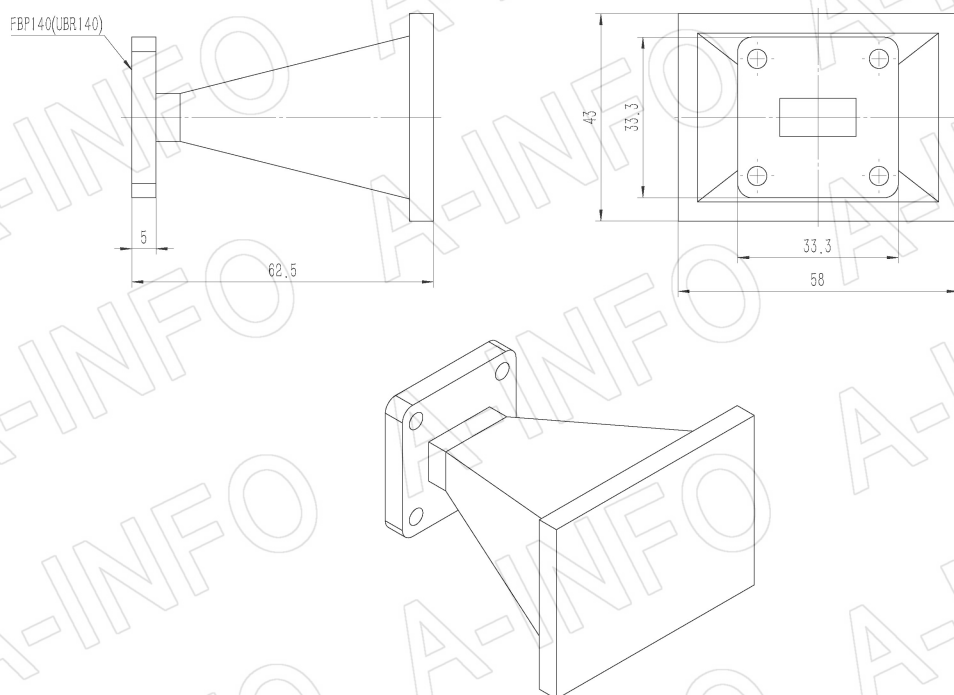


SMA-Female Output with L Type Mounting Bracket (Option, P/N: LB-62-10-C-MBL)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.

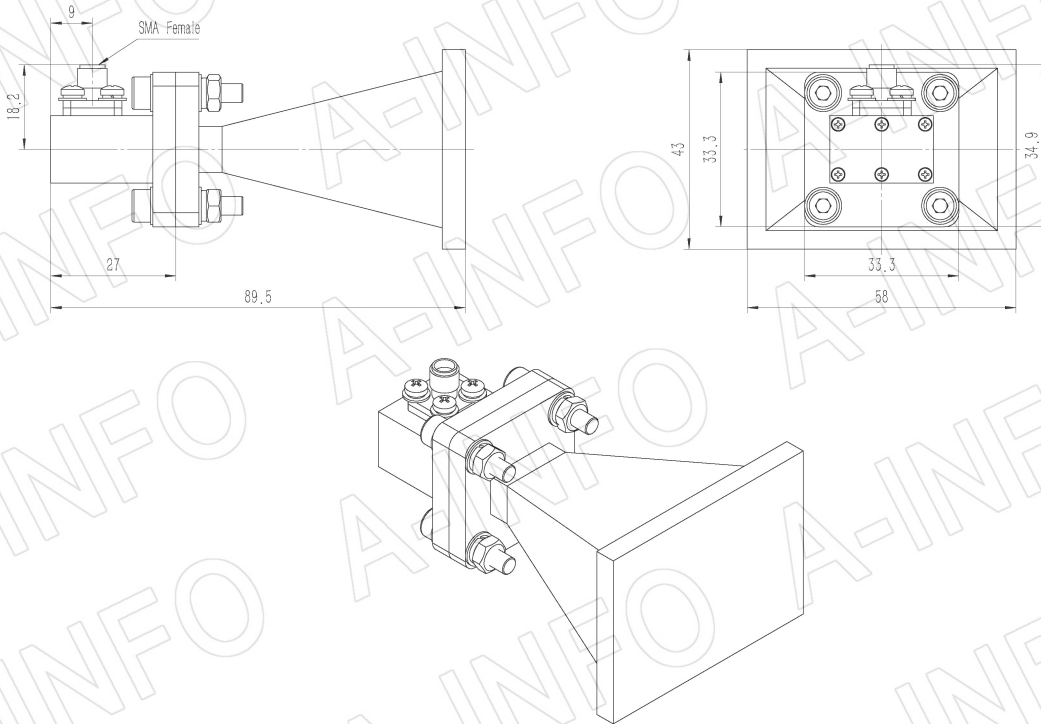


FBP140 Output with Radome (Option, P/N: LB-62-15-ASPO, Outdoor Application)



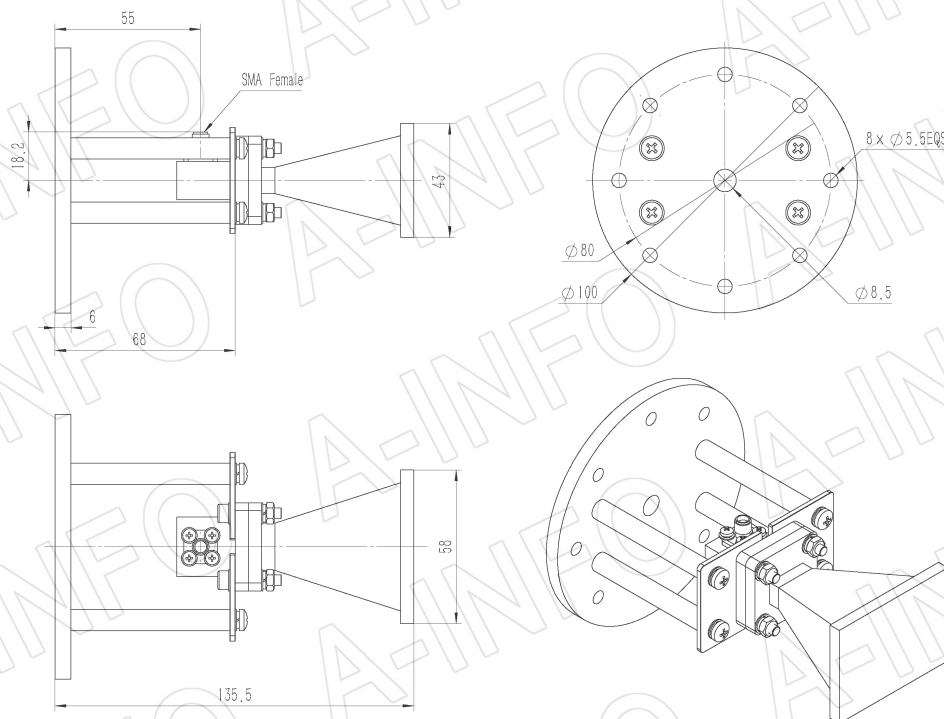
SMA-Female Output with Radome (Option, P/N: LB-62-15-C-SFSP0, Outdoor Application)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



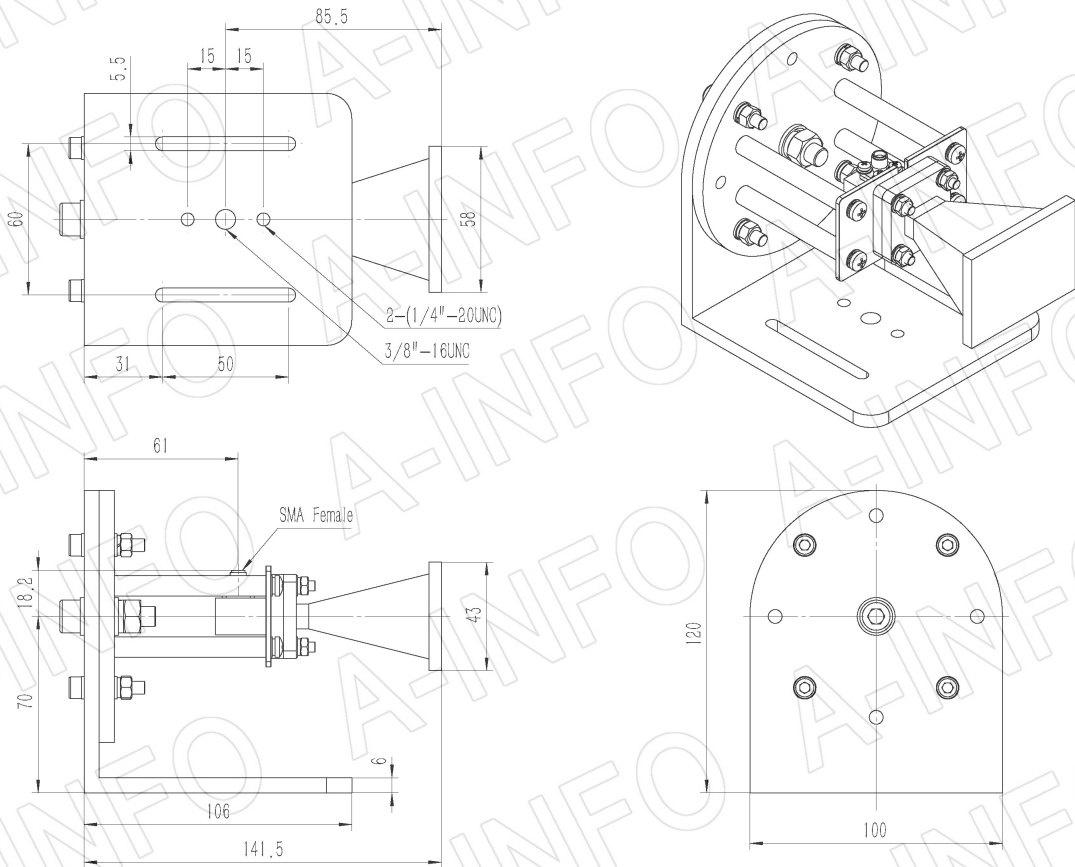
SMA-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-62-10-C-MB & LB-62-15-C-SFSP0, Outdoor Application)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.

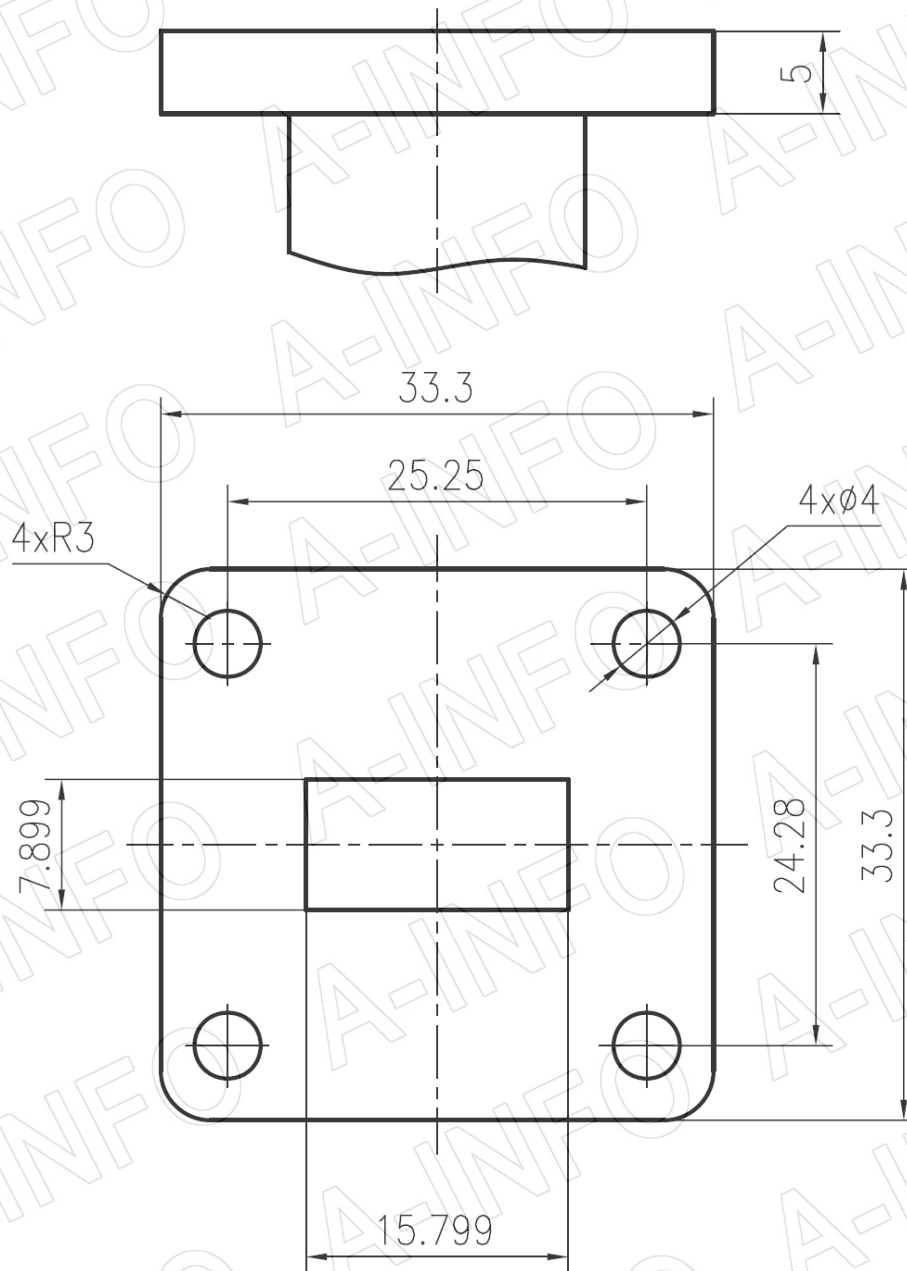


SMA-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-62-10-C-MBL & LB-62-15-C-SFSP0, Outdoor Application)

For N-Female, TNC-Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



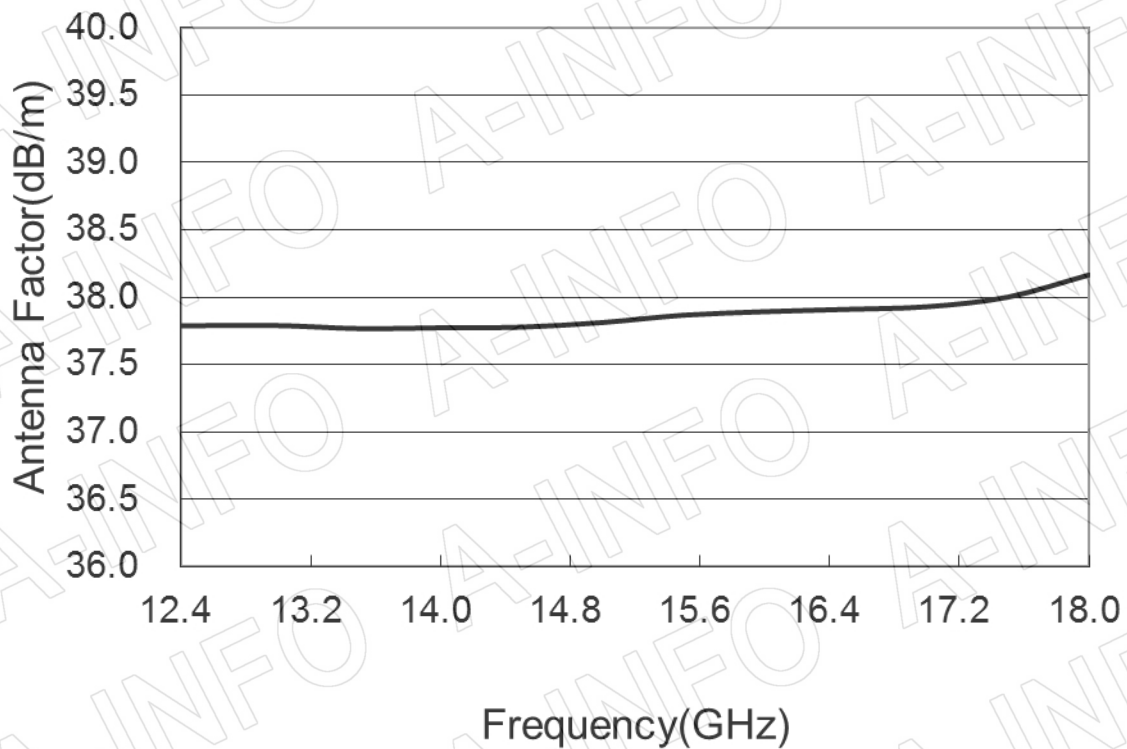
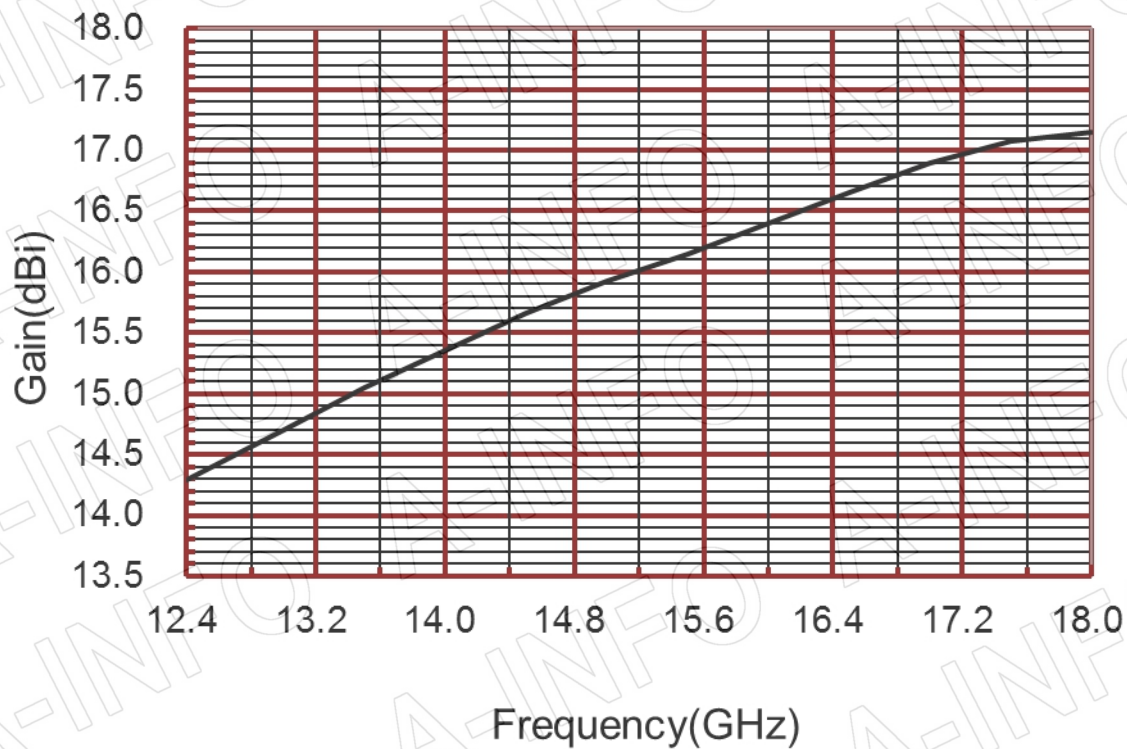
Flange Drawing (Size: mm)



FBP140

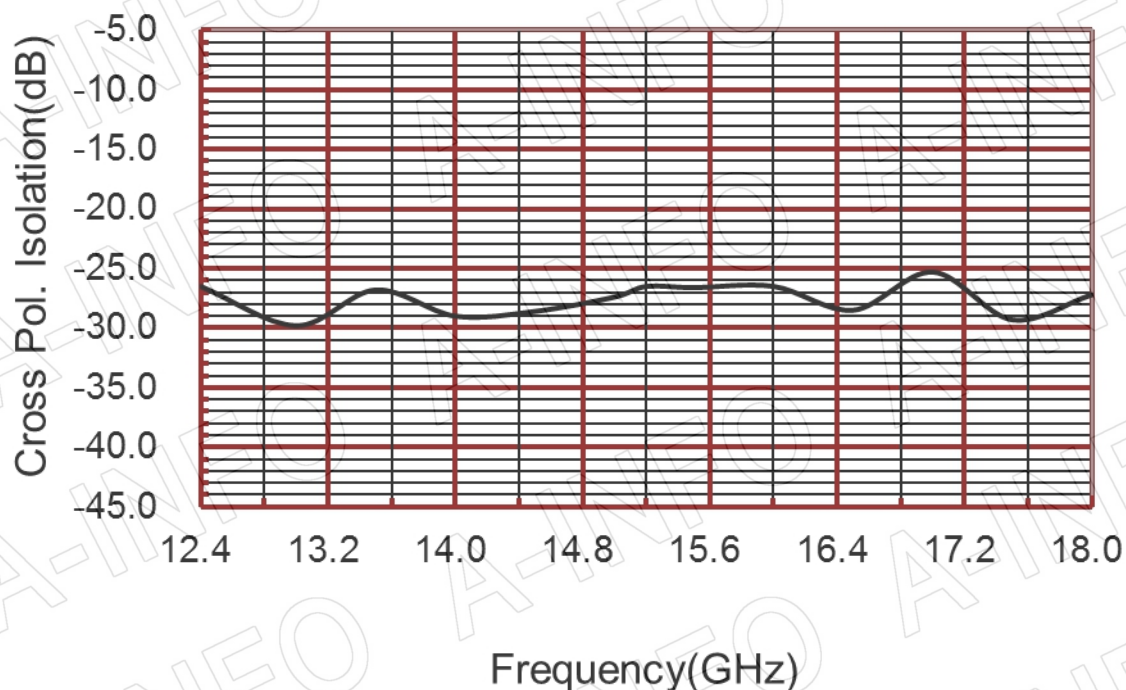
Test Results

1. Gain & Antenna Factor

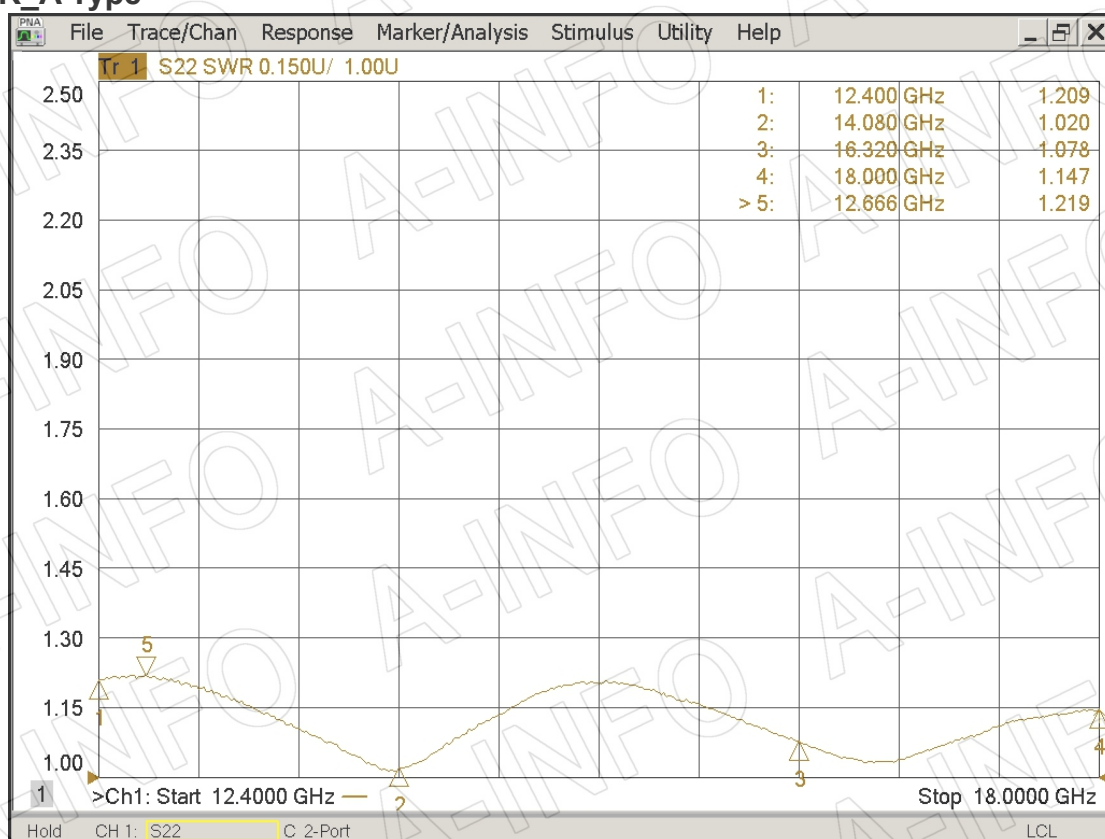


Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
12.40	14.29	37.79
13.00	14.70	37.79
13.50	15.05	37.77
14.00	15.36	37.77
14.50	15.66	37.78
15.00	15.92	37.81
15.50	16.15	37.87
16.00	16.40	37.89
16.50	16.65	37.91
17.00	16.89	37.93
17.50	17.07	38.00
18.00	17.15	38.17

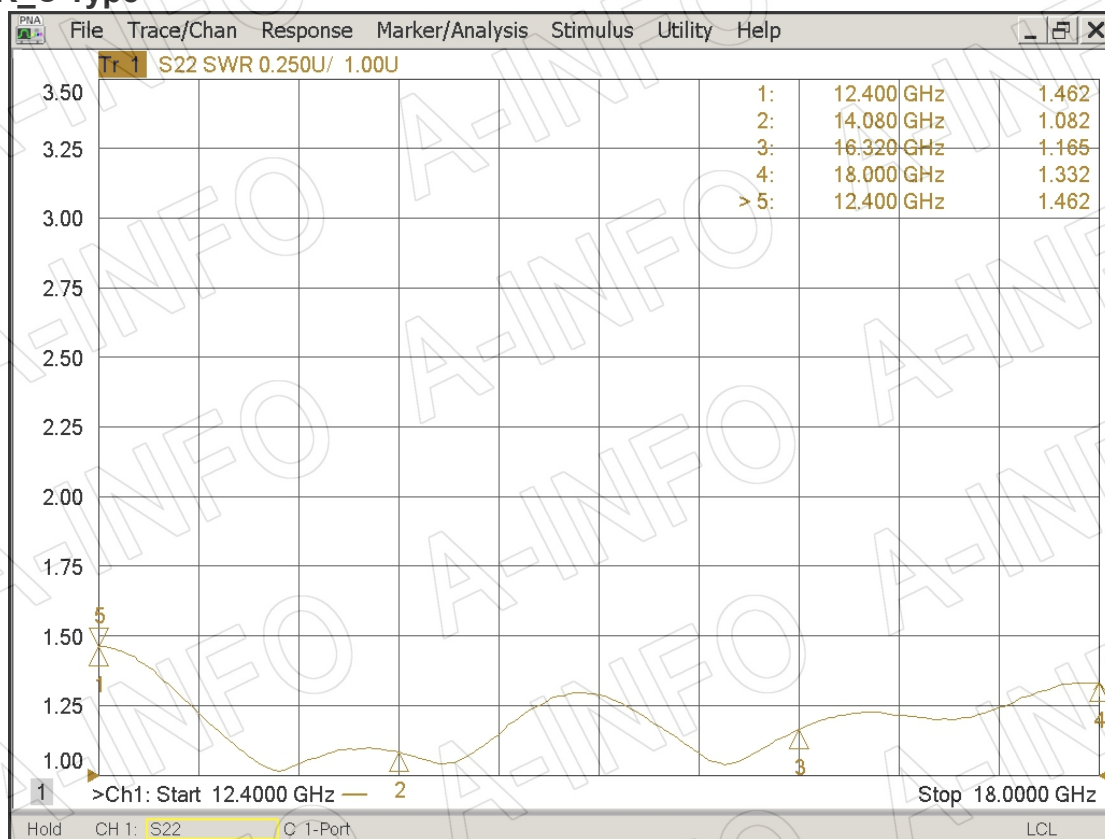
2. Cross Polarization Isolation



3. VSWR_A Type

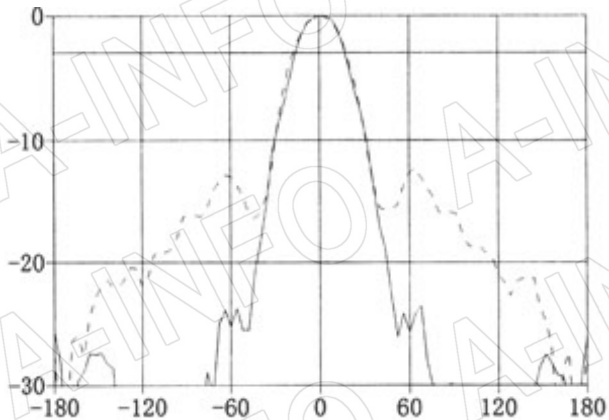


VSWR_C Type



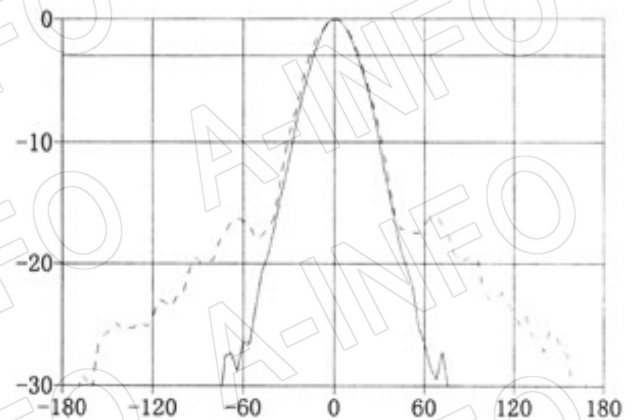
4. Pattern

Frequency: 12.4GHz



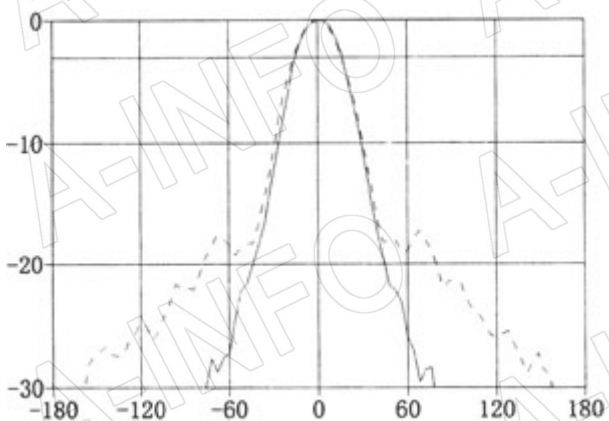
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 32.81 3dB Beamwidth (deg): 35.01

Frequency: 13.0GHz



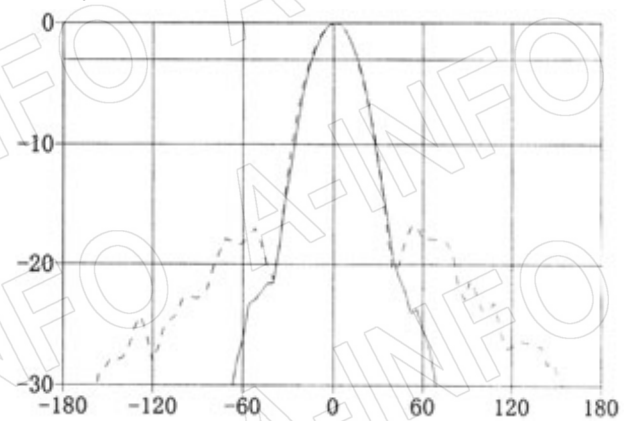
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 29.03 3dB Beamwidth (deg): 32.66

Frequency: 13.5GHz



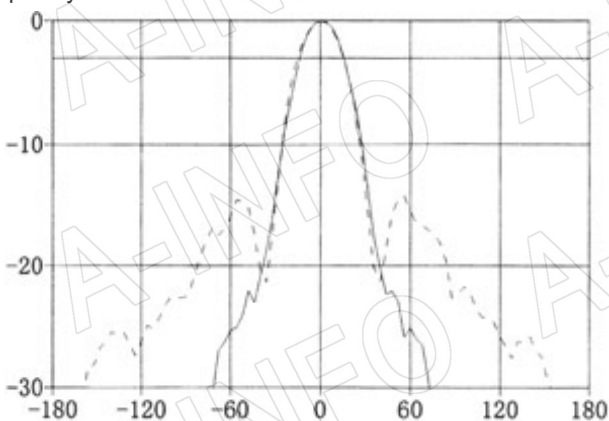
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 31.31 3dB Beamwidth (deg): 31.76

Frequency: 14.0GHz



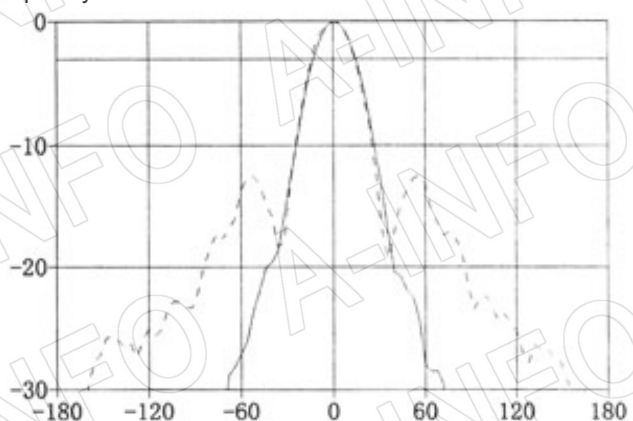
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 30.53 3dB Beamwidth (deg): 31.23

Frequency: 14.5GHz



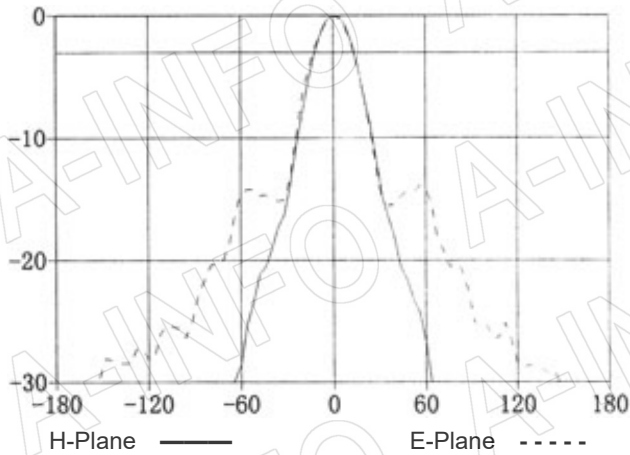
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 29.09 3dB Beamwidth (deg): 30.46

Frequency: 15.0GHz

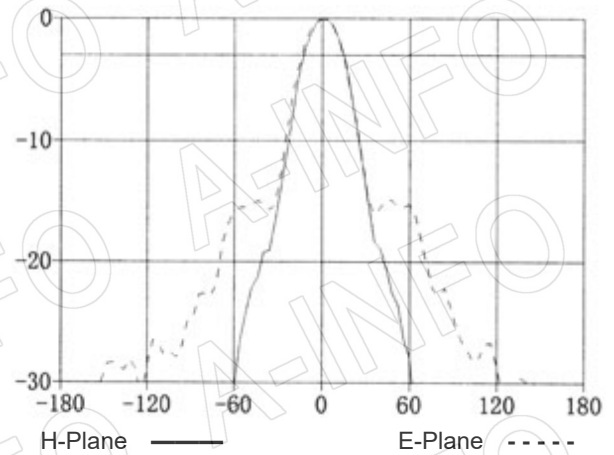


H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 27.63 3dB Beamwidth (deg): 28.19

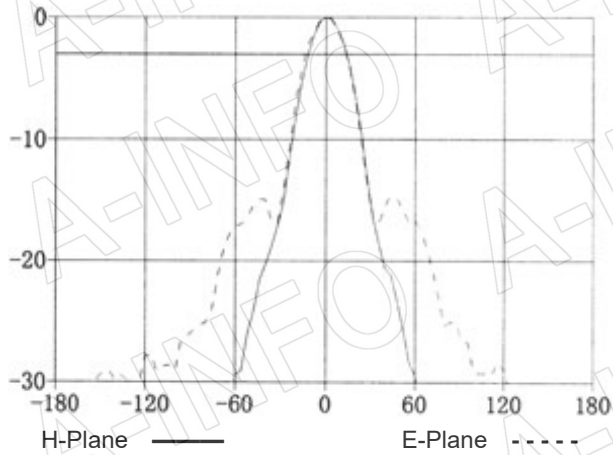
Frequency: 15.5GHz



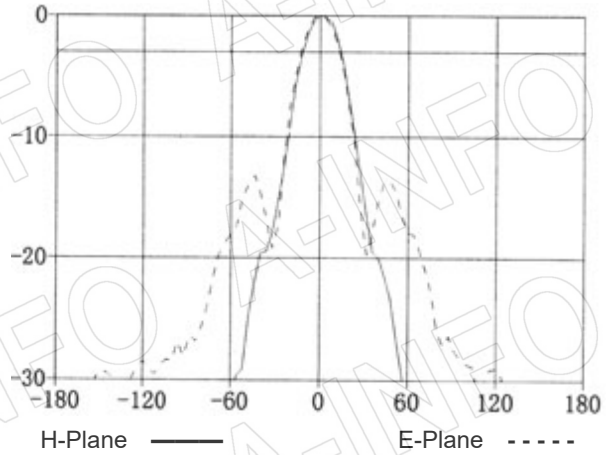
Frequency: 16.0GHz



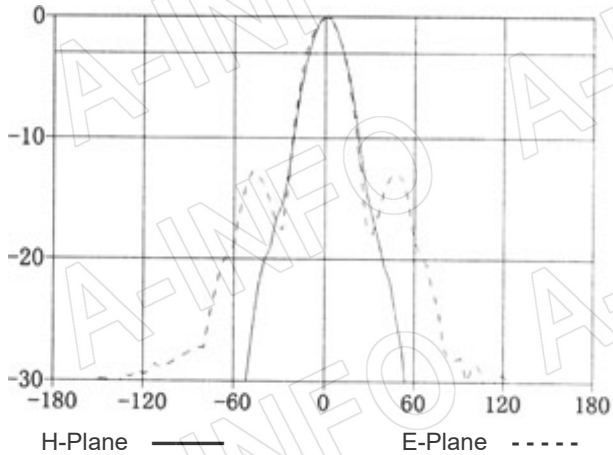
Frequency: 16.5GHz



Frequency: 17.0GHz



Frequency: 17.5GHz



Frequency: 18.0GHz

