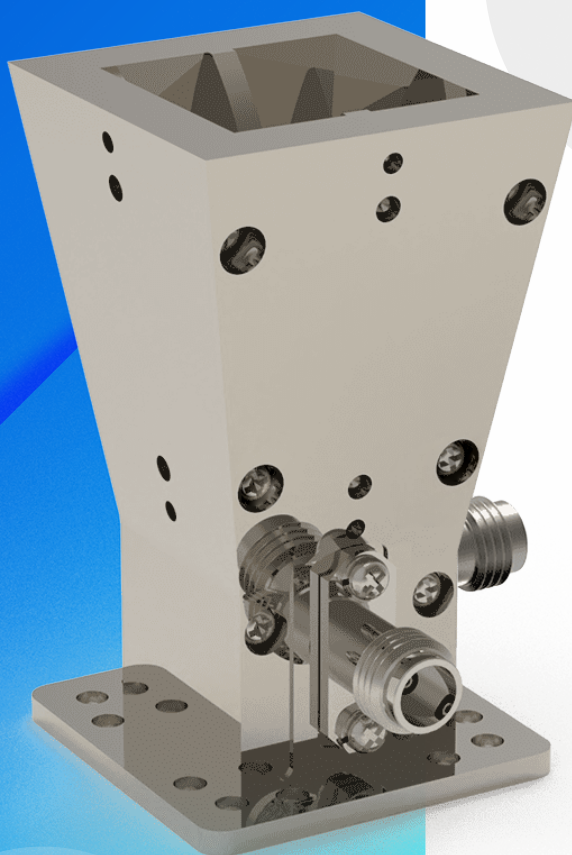




Horn Antenna O

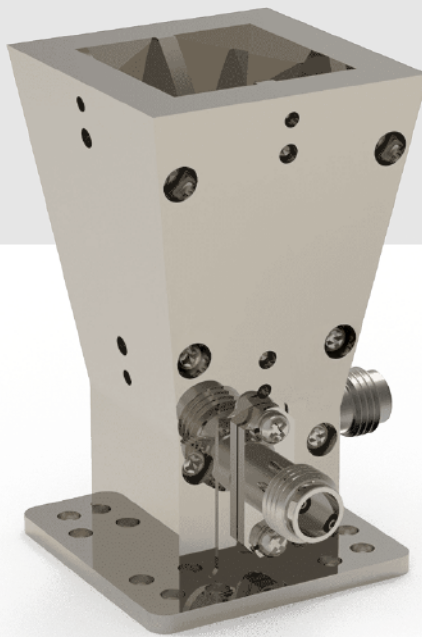
24~50 GHz



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Horn Antenna O

24~50 GHz



1. Features

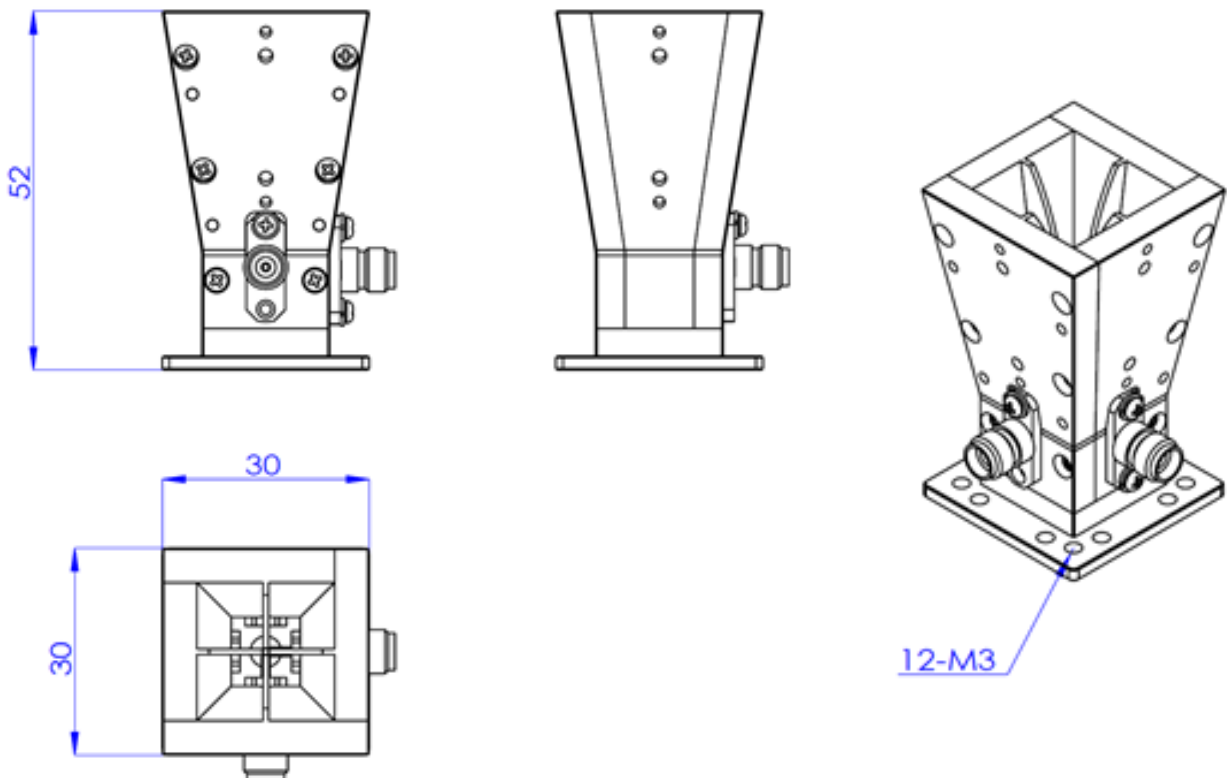
- Capable of Transmitter radiated power testing and Receiver sensitivity testing
- Wide bandwidth design for 5G FR2, operating frequency from 18 GHz-50 GHz
- Dual polarization design for all kinds of incident wave receiving
- Compact size for compact shielding box



2. RF Performance

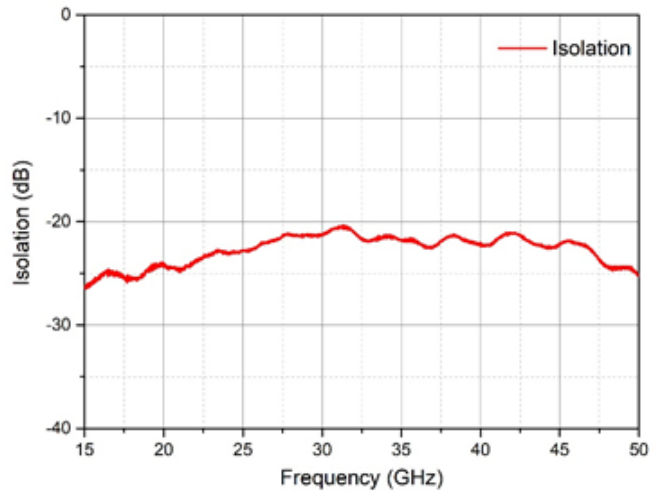
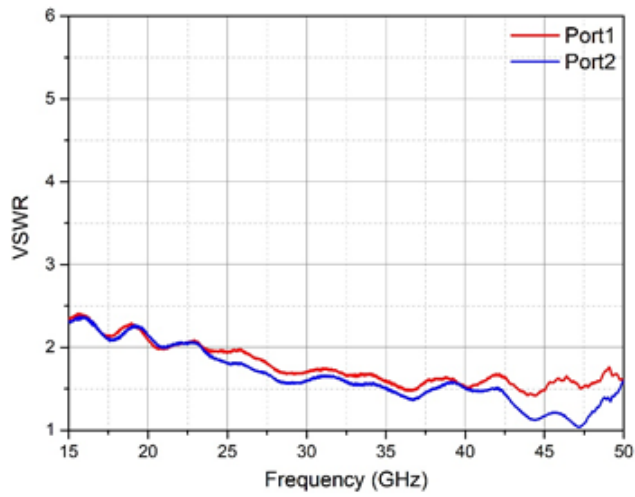
Model O	
Frequency range	24~50 GHz
Dimension	30x30x52 mm
VSWR	<2.5
Antenna Gain	11.2dBi@24GHz 13.6dBi@37GHz 16.9dBi@50GHz
Isolation	>20dB
Polarization	Linear (V and H)
Connector	SMA 2.4

3. Dimension





4. S parameter





Frequency (GHz)	Gain (dBi)	
	H-port	V-port
24.0	11.31	11.22
24.5	11.17	10.67
25.0	11.51	11.59
25.5	11.88	12.04
26.0	12.73	12.43
26.5	11.52	11.68
27.0	11.74	11.56
27.5	11.39	10.98
28.0	11.82	11.37
28.5	12.35	12.14
29.0	12.44	12.83
29.5	12.20	12.09
30.0	12.57	12.44
30.5	12.51	12.68
31.0	13.59	13.22
31.5	13.26	13.14
32.0	12.62	12.68
32.5	12.98	13.35
33.0	13.40	13.67
33.5	15.24	15.01

Frequency (GHz)	Gain (dBi)	
	H-port	V-port
34.0	14.99	115.05
34.5	14.54	14.45
35.0	14.41	14.15
35.5	12.84	12.78
36.0	13.23	13.27
36.5	14.09	14.07
37.0	13.63	13.85
37.5	12.62	12.77
38.0	12.25	12.58
38.5	11.84	11.92
39.0	12.88	12.98
39.5	13.11	13.10
40.0	13.93	13.74
40.5	13.51	13.45
41.0	13.74	13.60
41.5	13.86	13.78
42.0	14.37	14.30
42.5	14.87	14.97
43.0	15.35	15.49
43.5	15.30	15.22



Frequency (GHz)	Gain (dBi)	
	H-port	V-port
44.0	14.59	14.56
44.5	14.73	14.37
45.0	14.40	13.89
45.5	14.38	13.97
46.0	14.81	14.63
46.5	15.09	15.04
47.0	15.00	14.96
47.5	15.35	15.09
48.0	15.99	15.68
48.5	15.96	15.60
49.0	16.61	16.52
49.5	16.62	16.72
50.0	16.90	17.52

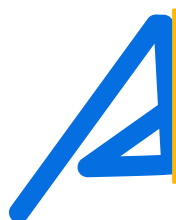
Horn Antenna

24~50 GHz



DATA SHEET

Contact us to experience our 5G innovative solutions!



✉ contact@aether-tek.com

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