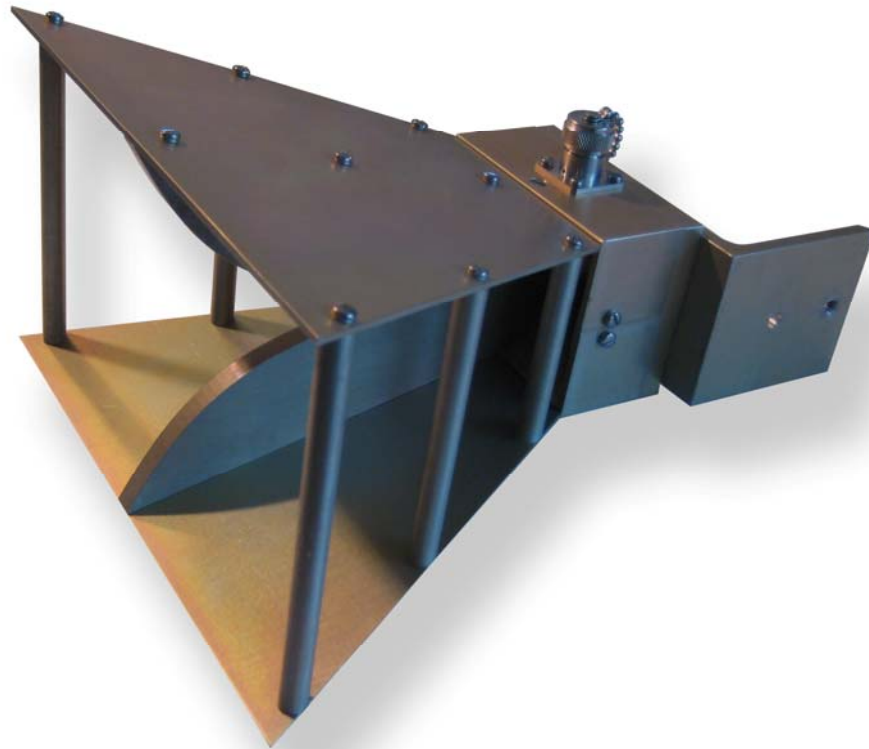


# DOUBLE RIDGE HORN ANTENNA MOD. EMC RH118



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## Specifications

- Double-ridge waveguide horn
- Covers the entire test frequency range of 1 to 18 GHz
- Linearly polarized antenna ideally suited for broadband applications
- Immunity testing (MIL-STD 461/462 and IEC 1000-4-3)
- Emission testing (ANSIC63-4 and EN55022)
- Shielding effectiveness testing (MIL-STD 285 IEEE-299)
- Equipped with mounting brackets for vertical or horizontal polarization measurements

Radiation Patterns		Frequency (GHz)	Output Connector	Power CW	VSWR	3dB Beam Width	Size (cm)
<p>2 GHz</p>		1,0 – 18,0	N – F	400 W	1,5:1 (AVG)	35° -20°	13Hx23Wx18D
<p>10 GHz</p>		<b>Typical Antenna Factor and Gain</b>			<b>Power Requirement (Watts) at 1 Meter Spacing to Obtain Field Strength</b>		
Rel. Gain (dBi)		Frequency (GHz)	AFE (dB m-1)	Gain (dBi)	E 10V/m	E 20V/m	E 100V/m
		1,00	22,93	7,30	0,62	2,48	62,00
		2,00	30,15	6,10	0,82	3,27	81,80
		3,00	30,67	9,10	0,41	1,64	40,90
		4,00	29,97	12,30	0,20	0,78	19,60
		5,00	32,81	11,40	0,24	0,97	24,10
		6,00	32,99	12,80	0,17	0,70	17,40
		7,00	35,33	11,80	0,22	0,88	22,00
		8,00	36,79	11,50	0,24	0,94	23,50
		9,00	36,21	13,10	0,16	0,65	16,30
		10,00	38,03	12,20	0,20	0,80	20,00
		12,00	37,81	14,00	0,13	0,53	13,20
		14,00	42,35	10,80	0,28	1,11	27,70
		16,00	38,51	15,80	0,09	0,35	8,70
		18,00	42,54	12,80	0,18	0,70	17,50