

NRL Standard Gain Horns

Series 240-NRL

Features

- Models up to 40 GHz
- Comply with U.S. Naval Research Lab Report (NRL) Report No. 4433
- Standard and Special Flange Types Available

Applications

- Measurement Standard
- Calibration

Typical Performance

- VSWR better than 1.2:1
- Variation of gain wrt mid-band ± 2 dB



Model 12240-18NRL

Flann offer a complete range of Standard Gain Horn Antennas designed to the requirements of the Naval Research Laboratory (NRL) Report No. 4433.

These antennas are the industry recognised standard for gain calibration by the substitution method as described by ANSI/IEEE Standard 149-1979 Test Procedure for Antennas.

Model	Frequency Range (GHz)	Waveguide			Design Point	
		WG	R	WR	Frequency (MHz)	Gain (dBi)
05240-13NRL	0.950 - 1.150	5	12	770	1000	13.7
06240-15NRL	1.130 - 1.700	6	14	650	1300	15.5
08240-15NRL	1.700 - 2.600	8	22	430	1970	15.5
10240-18NRL	2.600 - 3.950	10	32	284	3000	18.0
12240-18NRL	3.950 - 5.880	12	48	159	4500	18.0
14240-22NRL	5.770 - 8.330	14	70	137	6315	22.1
15240-18NRL	6.980 - 10.000	15	84	112	7595	18.0
16240-22NRL	8.100 - 12.400	16	100	90	9375	22.1
18240-24NRL	12.400 - 18.070	18	140	62	16040	24.7
20240-24NRL	18.070 - 26.550	20	220	42	24000	24.7
22240-24NRL	26.550 - 38.960	22	320	28	35290	24.7

Scaled versions to 330 GHz are also available - details on request.

ORDERING INFORMATION

Model: Gain suffix; NRL; Description

Example: Model 12240-18NRL-AA NRL Standard Gain Horn, 18 dB

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