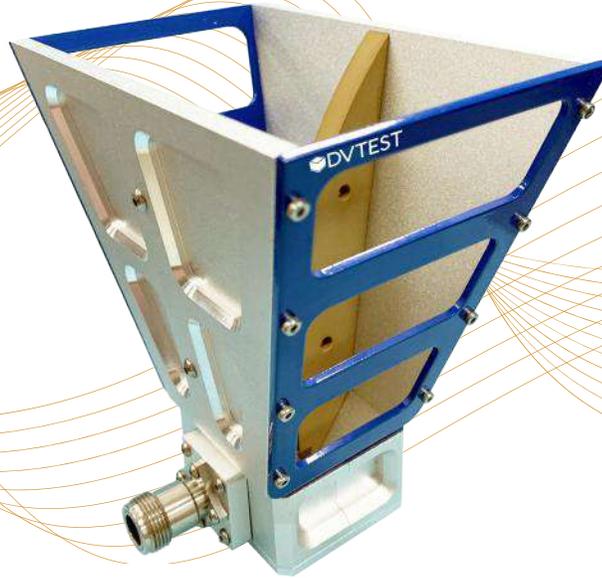


# dbDIRECT DRH1



# Broadband Antenna



## Double Ridged Broadband Horn Antenna

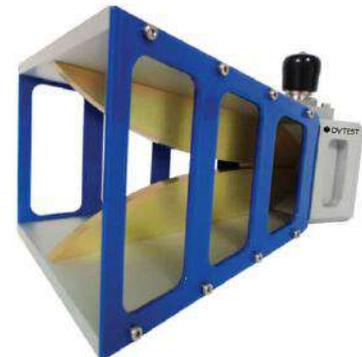
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The dbDIRECT DRH1 Broadband Antenna, featuring high gain, a directional radiation pattern, and a large frequency range covering a broad range of common applications such as the test and measurement of 4G, 5G, 5G NR, WiMax, WiFi and Bluetooth. This compact antenna design provides excellent matching over a broad frequency range: **2 GHz to 18 GHz**.

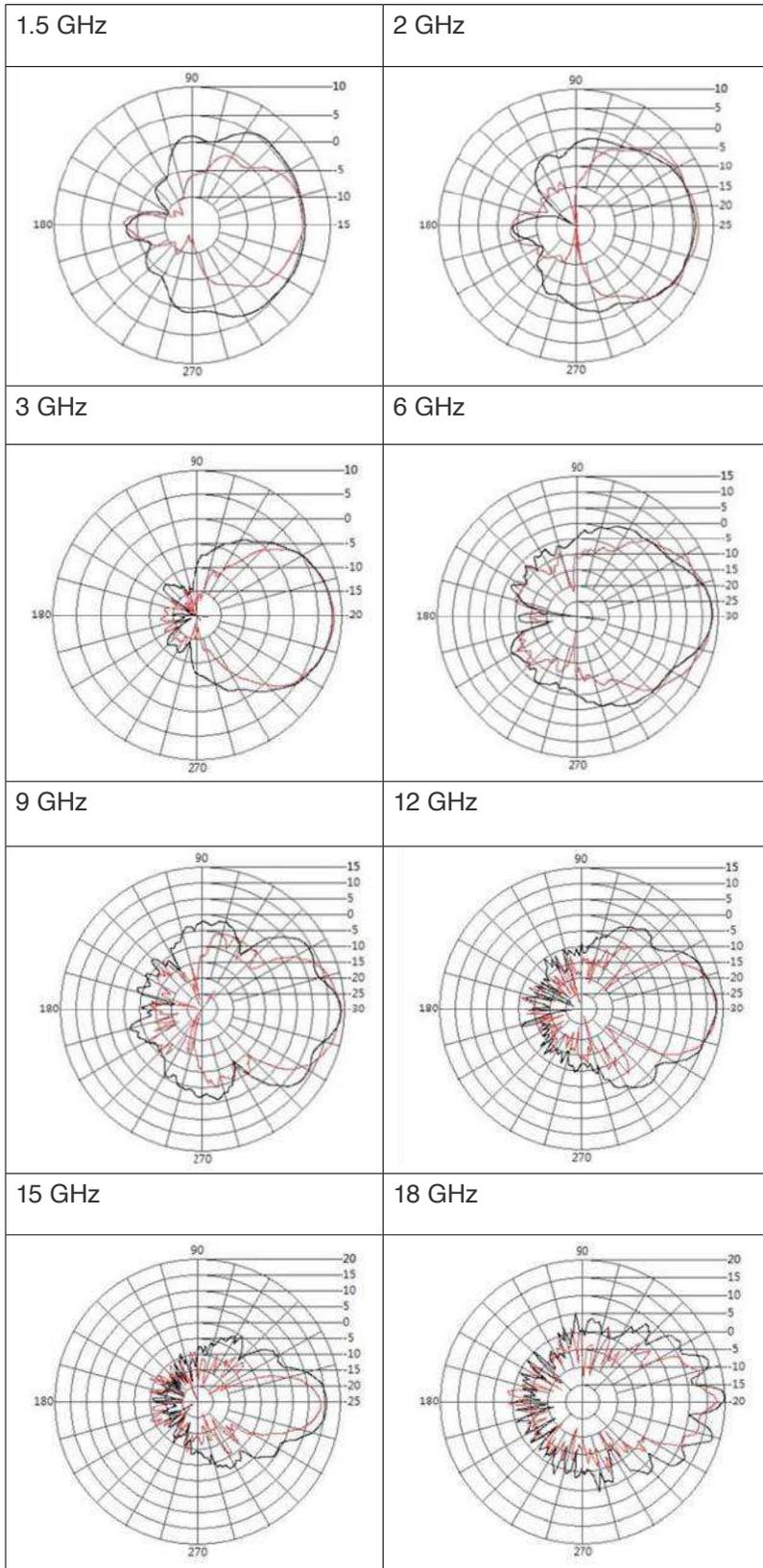
The antenna is designed to be placed in an RF test enclosure such as any of the DVTEST dbSAFE Series models for OTA testing of DUTs. The antennas can be mounted in fixed positions to facilitate repeatable results. When used in conjunction with a rotary positioning mechanism such as DVTEST positioners, customers can detect the highest point of power sensitivity for enhanced accuracy and repeatability in measurements. In this configuration, both the antennas and DUTs can be positioned in order to facilitate the measurement.

### Applications

- RF wireless device testing in Anechoic chambers where directional and high gain link required with DUT
- 4G, 5G and 5G new radio (5G NR),
- Carrier aggregation, MIMO
- LTE, LTE-A, WiMAX, WiFi, Bluetooth
- Spectrum Analysis in DAS environment



# Antenna Pattern — H-Plane — E-Plane



Specifications	
Frequency Range	2 GHz - 18 GHz
Max. Input Power	300 W
Max. Continuous Power	150 W
RF Connector	50Ω N Type, Female
Polarization	Linear
Dimensions WxDxH Inch (mm)	5.59" (142) x 4.72" (120) x 3.27" (83)
Weight	500 Grams
Gain	5 - 17 dBi
FBR	24 dB

Antenna Gain - 3M Gain Measurement		
Frequency (GHz)	H Plane	E Plane
2	5.58	6.29
3	8.67	8.38
4	10.39	10.31
5	11.55	11.91
6	12.34	12.57
7	13.06	13.34
8	13.35	13.89
9	13.29	13.62
10	13.14	13.1
11	12.6	13.15
12	13.69	12.59
13	12.67	12.59
14	11.67	12.37
15	12.87	13.14
16	14.14	15.56
17	14.8	15.56
18	16.44	16.75

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