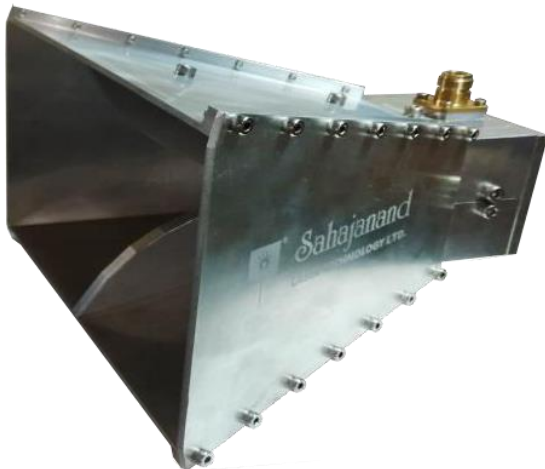


## DOUBLE RIDGE HORN ANTENNA



### Features

- ❖ Ultra Broadband: 800MHz - 18GHz
- ❖ 450W Power Input Capacity
- ❖ Optimized Gain at High Frequency
- ❖ Low VSWR

### Electrical Specifications

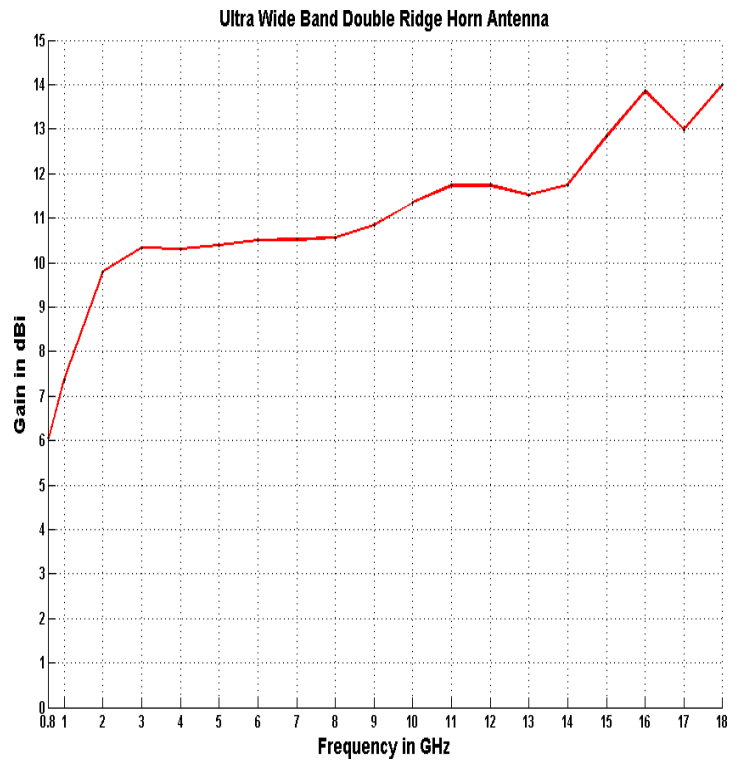
Frequency Range	800 MHz to 18 GHz
VSWR Ratio	<1.75 : 1 (Typically)
Maximum Continuous Power	280 Watts
Peak Power	490 Watts
Impedance	50 $\Omega$
Connector	Type N precision, female
Front to Back Ratio	22 dB
Cross Polarization	23 dB minimum
Gain in dBi	5 - 14(Typically)

### Physical Specifications

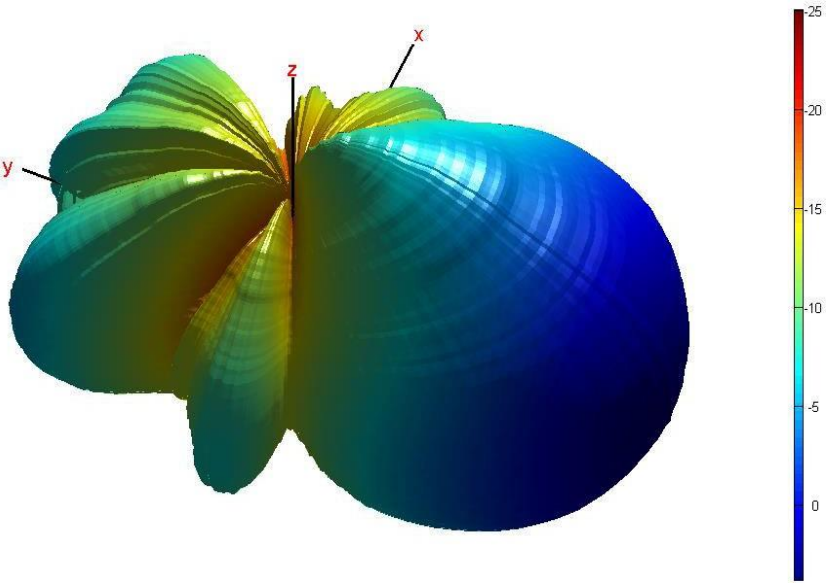
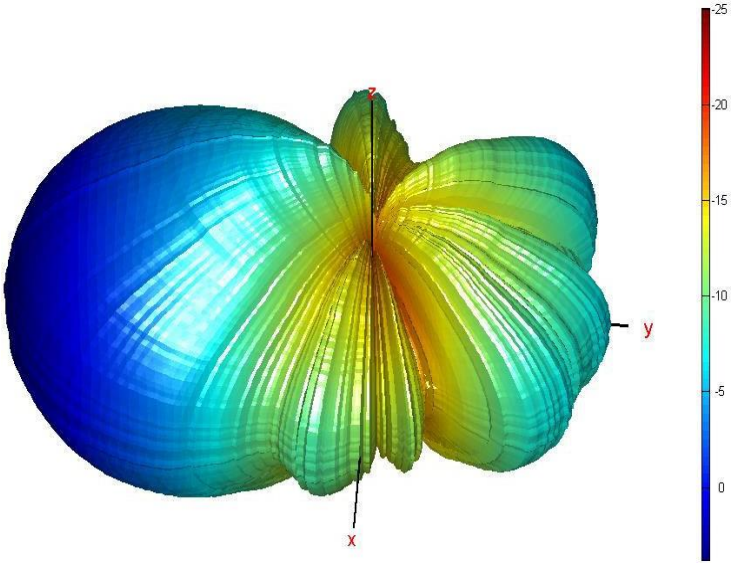
Width	247 mm
Depth	205 mm
Height	157 mm
Weight	1.924 Kg

## Measured Gain of Double Ridge Horn Antenna at different frequencies:-

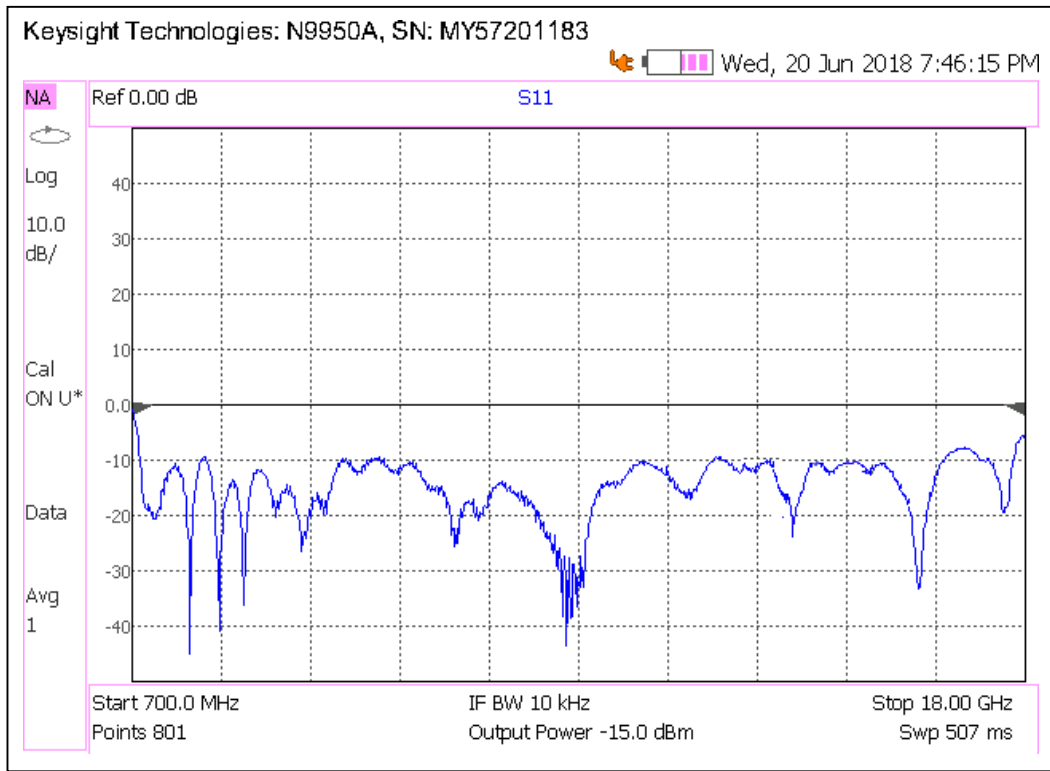
Sr. No.	Frequency in GHz	Gain In dBi
1.	0.8	6.1743
2.	1	7.1134
3.	2	10.1312
4.	3	10.0321
5.	4	10.4965
6.	5	10.1056
7.	6	10.6024
8.	7	11.3069
9.	8	9.5018
10.	9	10.6583
11.	10	12.6859
12.	11	10.4548
13.	12	12.5877
14.	13	11.1003
15.	14	11.3622
16.	15	13.7618
17.	16	13.1421
18.	17	13.2454
19.	18	13.9586



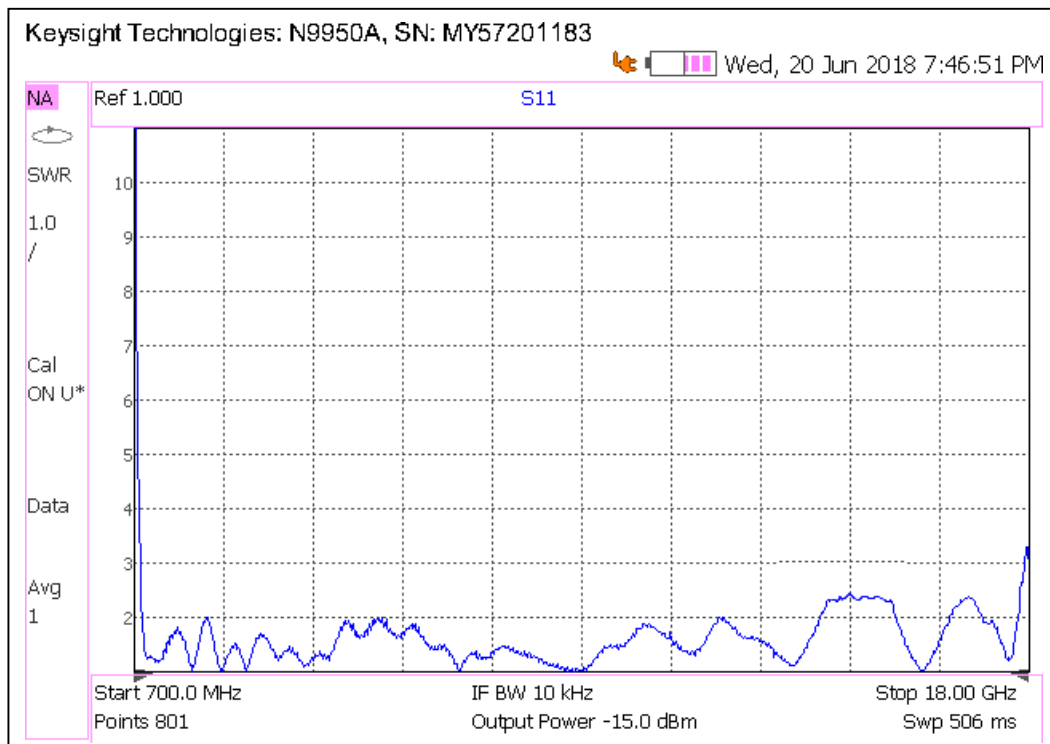
# 3D Radiation pattern of Ultra Wide Band Double Ridge Horn Antenna



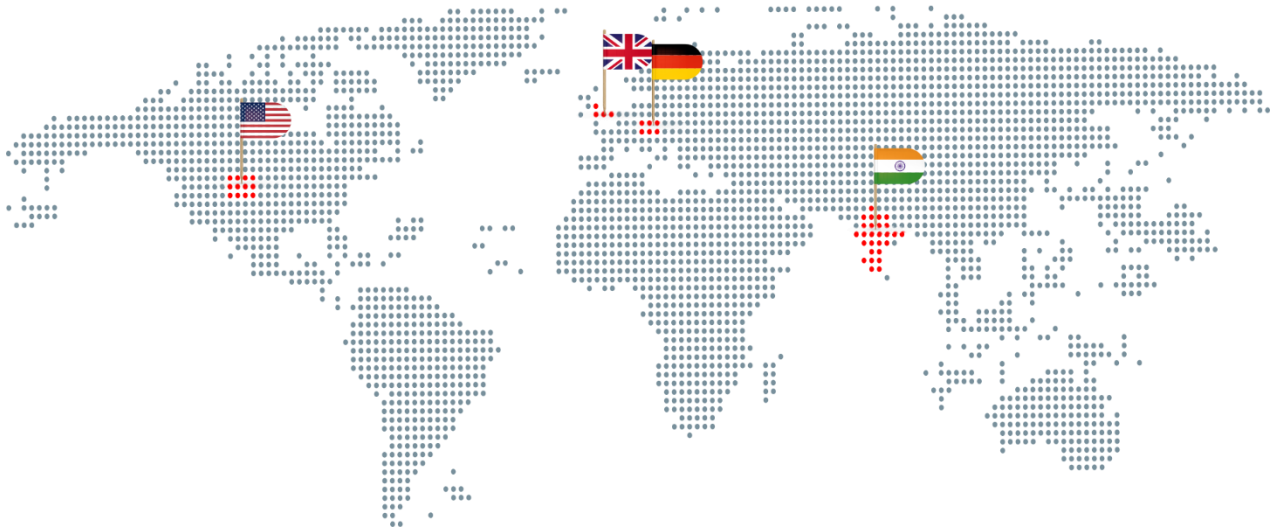
# Measurement Graph of Antenna Return loss vs Frequency



# Measurement Graph of Antenna VSWR vs Frequency



# GLOBAL PRESENCE



**LASER CUTTING** RF & Microwave  
**MARKING** Medical Devices  
**WELDING** Hi-Tech Software  
 Diamond Processing  
 Renewable Energy  
 Cleaning  
 Scribing / Dicing  
 Automations

**DEFENCE & AEROSPACE**  
**MICRO MACHINING**

## SLTL'S STRENGTH

<p>Experience</p> <p><b>34+</b> Years</p>	<p>Mfg. Plants</p> <p><b>6</b> Laying Over</p> <p><b>54000</b> Sq. mtr.</p>	<p><b>10%</b></p> <p>Yearly R&amp;D</p>	<p>Exports</p> <p><b>40+</b></p> <p>Countries</p>
<p><b>15000+</b></p> <p>Systems</p>	<p><b>ISO</b></p> <p>9001-2015</p>	<p><b>26+</b></p> <p>Patents</p>	<p><b>29+</b></p> <p>Awards</p>



**CE** An ISO 9001:2015 Certified Company

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