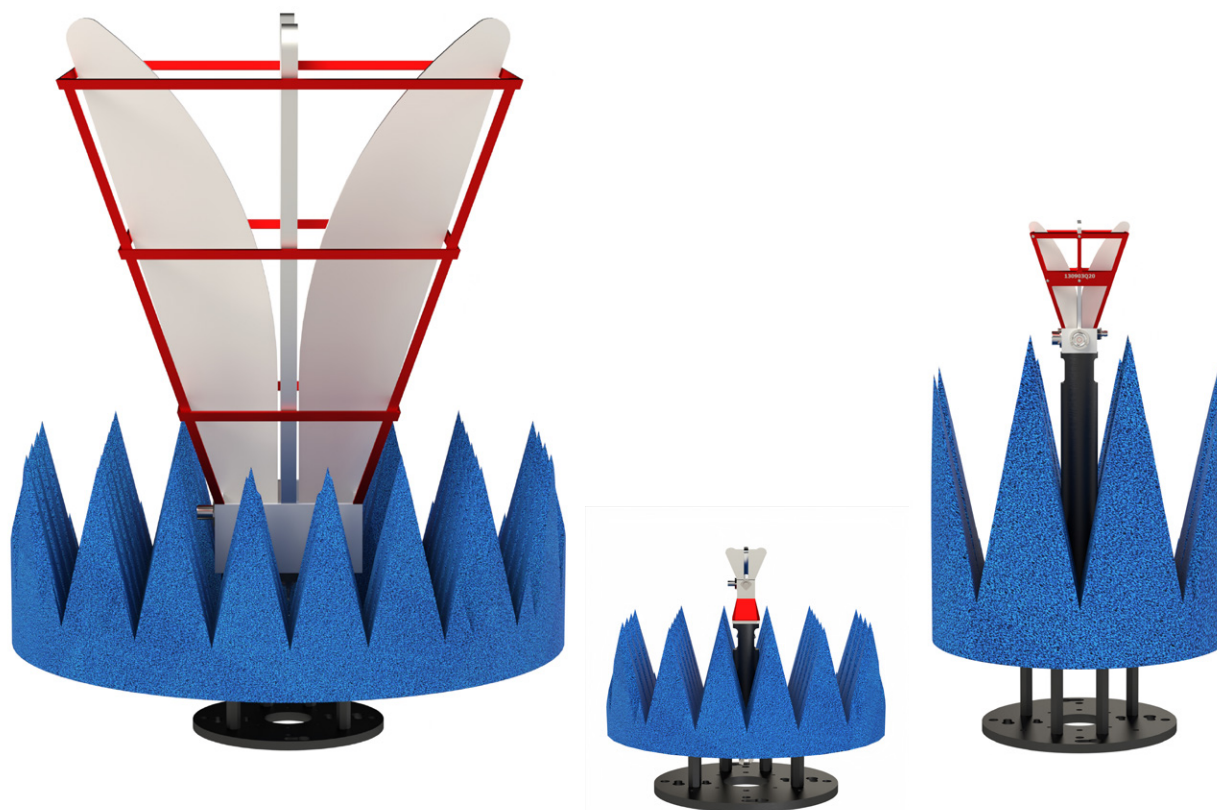


# Quad Ridged Horn Antenna

ANT-QRH



## DESCRIPTION

Quad ridged horn (ANT-QRH) from NSI-MI Technologies are versatile antennas that can be used for a variety of purposes, including spherical near-field (SNF) testing and far-field range illumination. With its wide frequency bandwidth, it can replace several standard Open-Ended Waveguide (OEWG) probes or horns, eliminating the need to manually change range antennas. ANT-QRH are typically smaller than equivalent OEWG probes at low frequencies, making near-field testing easier and more convenient.

## FEATURES

- Frequency ranges from 300 MHz–50.0 GHz far-field use
- Frequency range 300 MHz–26.5 GHz spherical near-field use
- Wide bandwidth and low return loss

## INCLUDES

- ANT-QRH Quad Ridged Horn Antenna assembly
- Mounting hardware and absorber
- User manual
- Typical probe patterns for SNF only are provided in NSI2000 pattern files format.

## APPLICATIONS

- Automotive
- General Antenna Testing
- Target Simulation
- Wireless

## SPECIFICATIONS

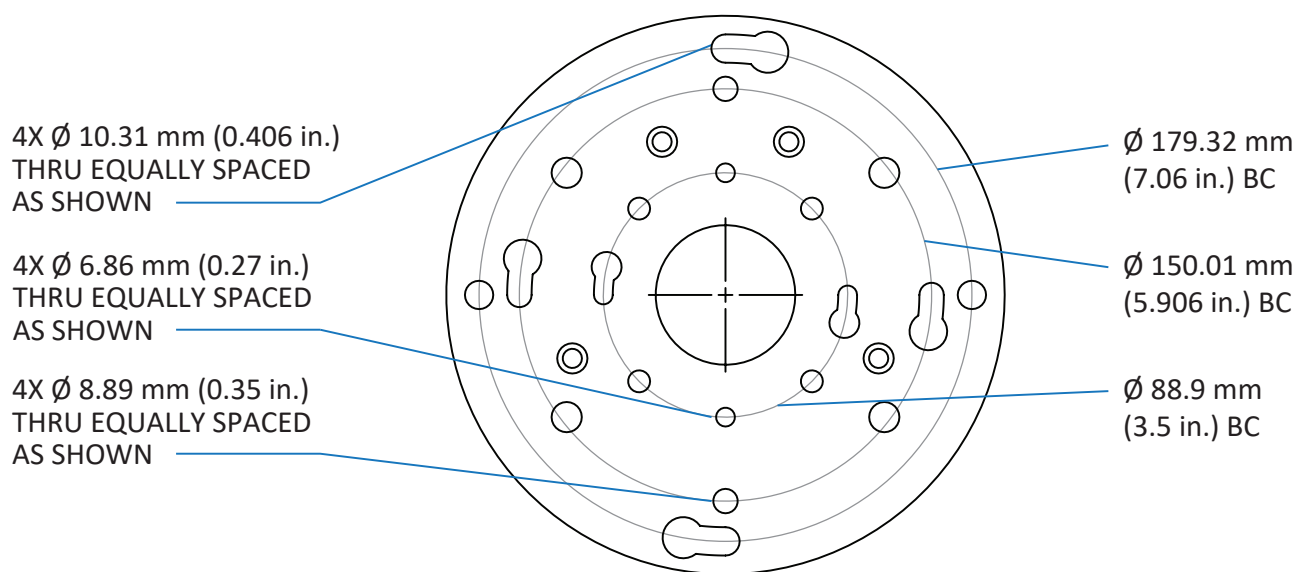
Parameters	ANT-QRH-0.3-4.5	ANT-QRH-0.4-6	ANT-QRH-0.7-11	ANT-QRH-1.7-20	ANT-QRH-4-40	ANT-QRH-5-50
Frequency Range (GHz)	0.3–4.5	0.4–6.0	0.7–11.0	1.7–20.0	4.0–40.0	5.0–50.0
VSWR (max)	1.6	2.3	2.4	2.4	2.4	2.5
VSWR (avg)	1.4	1.5	1.4	1.45	1.4	1.45
Impedance	50 Ohm					
Connector	N-Female <sup>(1)</sup>	N-Female <sup>(1)</sup>	SMA Female <sup>(2)</sup>	SMA Female <sup>(2)</sup>	SMA Female <sup>(2)</sup>	2.40 mm <sup>(3)</sup>
Power (CW/ Peak)	400 W/ 750 W	200 W/ 350 W	100 W/ 170 W	20 W/ 40 W	10 W/ 20 W	5 W/ 10 W
Antenna Factor	15–30 dB/m	17 – 33 dB/m	23–38 dB/m	28–42.5 dB/m	35 – 49 dB/m	40–52 dB/m
Polarization	Dual Linear					

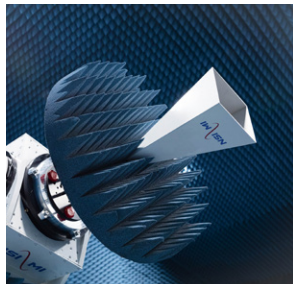
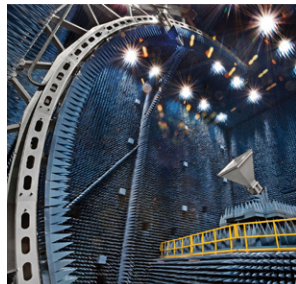
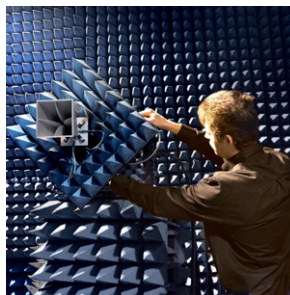
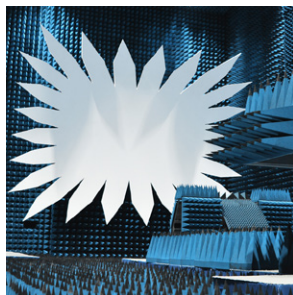
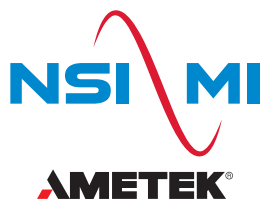
<sup>(1)</sup> includes N (male) to SMA (female) right angle adapter

<sup>(2)</sup> includes SMA (male) to SMA (female) right angle adapter

<sup>(3)</sup> includes 2.40 mm (male) to F (female) right angle adapter

## MOUNTING PLATE CONFIGURATION





Test  
with  
Confidence

## LOCATIONS

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**NSI-MI Technologies** introduced the world to microwave antenna measurement systems and is the preferred global supplier of antenna, radar cross section, and radome measurement solutions. Today, our innovative products, systems, and services lead the industry in setting new standards for tomorrow's performance. From world-class in-house testing facilities to delivering industry-leading turnkey systems, we provide the highest quality measurement products on the market.

Our full range of standard products and custom-designed systems are backed by our longstanding commitment to precision-engineered accuracy, reliability, and lasting performance. We provide the right solution for every RF measurement need and our worldwide network of service professionals are always available to offer support.

For more information on ordering NSI-MI Technologies' products, applications or services please contact your nearest NSI-MI office. Our complete sales team information is available at: [www.nsi-mi.com/contact-us](http://www.nsi-mi.com/contact-us)

## ISO 9001:2015 CERTIFIED

