

LAIRD CONNECTIVITY IS AN **AUTHORITY**
IN CUSTOMER ANTENNA INTEGRATION SUPPORT



The Revie 700 peel-and-stick flexible adhesive-backed antenna measures only 96 x 21 mm and delivers over 45% efficiency over the 698-6000 MHz frequency range. It is ideal for 5G devices designed for use on the largest mobile carrier networks that often do not use the lowest frequency bands.

FEATURES AND BENEFITS

- Optimized performance for sub-6 GHz 5G
- Ground Plane Independent
- High efficiency for ease of carrier certification

APPLICATIONS

- 5G NR devices
- LTE-M, Cat M, Cat M1, NB-IoT
- CBRS, GNSS bands supported.

ELECTRICAL SPECIFICATIONS

Laird Connectivity Part Number	EFF6989A3S-19MHF1											
Operating Frequency (MHz)	698-824	824-894	880-960	1350-1550	1550-1690	1690-1880	1850-1990	1910-2170	2300-2500	2500-2700	3300-4200	4900-6000
Gain (dBi) – Avg	0.5	0.9	2.0	3.7	4.1	3.6	3.5	3.7	3.4	3.0	2.4	4.0
Gain (dBi) – Max	0.9	1.4	2.7	4.0	4.2	4.1	3.7	3.9	3.7	3.5	3.3	4.5
Efficiency (%) – Avg	50	46	46	71	75	81	84	83	75	69	64	68
Efficiency (dB) – Avg	-3.00	-3.40	-3.40	-1.50	-1.30	-0.90	-0.80	-0.80	-1.30	-1.60	-2.00	-1.70
VSWR – Avg	2.1	2.4	2.0	2.3	1.9	1.8	1.7	1.4	1.7	2.1	1.7	1.5
VSWR – Max	<2.5			<2.0			<2.5			<2.2		
Nominal Impedance (Ohms)	50											
Polarization	Linear vertical											
Azimuth Beamwidth	360°, Omnidirectional											
Input Power (W) – Max	5											

Note: Measured on a 1.7 mm thick polycarbonate sheet.
A minimum cable length of 190 mm is required to achieve the stated efficiency.

MECHANICAL SPECIFICATIONS

Dimensions – L x W x H – mm (inches)	96.0 x 21.0 x 0.2 (3.78 x 0.83 x 0.008)
Connector	U.FL / MHF1 or equivalent
Cable Type	Coax 1.13 (gray color)
Cable Exposed Length – mm (in.)	190 ± 5 (7.48 ± 0.2)
Flexible Circuit material	Polyimide (black masking)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature – °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)
Material Substance Compliance	RoHS

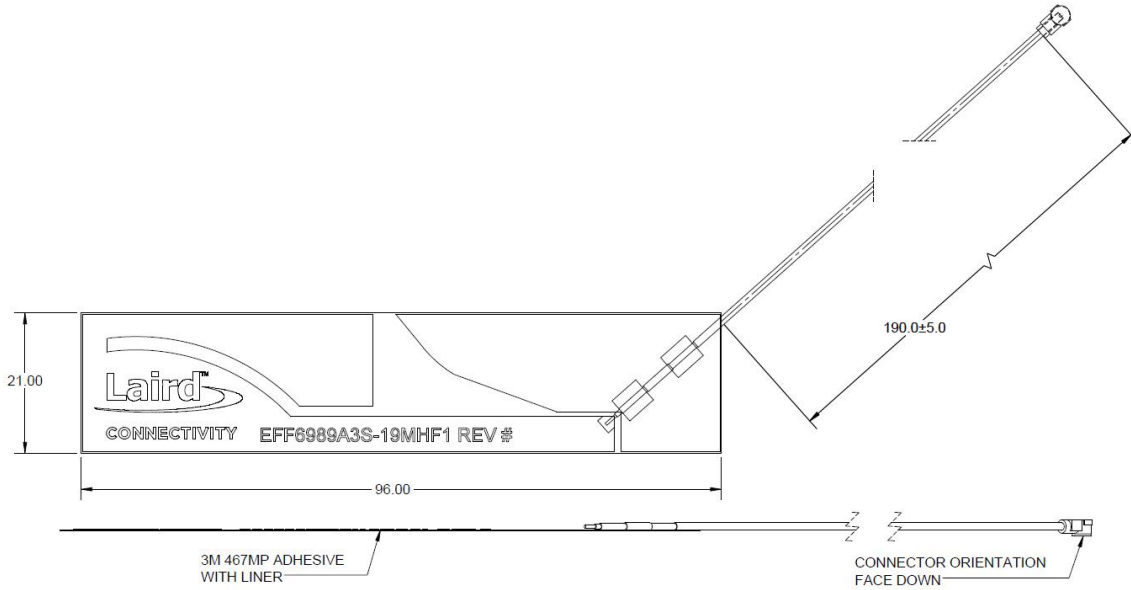
CONFIGURATION

PART NUMBER	EXPOSED CABLE LENGTH	CONNECTOR	PACKAGING
EFF6989A3S-19MHF1	190 ± 5 mm (7.48 ± 0.2 in.)	MHF1 / U.FL or equivalent	20 pieces / bag

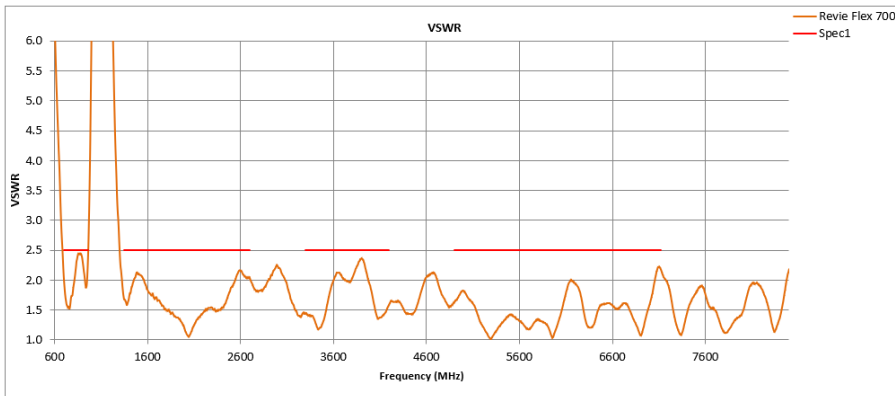
PACKAGING INFORMATION

	BAG	CARTON	MASTER PACK	AIR PALLET	OCEAN PALLET
Number of Antennas	20 antennas	10 bags 200 antennas	8 cartons 1600 antennas	28,800	38400
Dimensions – mm (in.)	209.6 x 187.5 (8.25 x 7.38)	250 x 125 x 145 (9.84 x 4.92 x 5.71)	526 x 305 x 266 (20.71 x 12.01 x 10.47)	1200 x 800 x 1024 (47.24 x 31.5 x 40.31)	1200 x 800 x 1325 (47.24 x 31.5 x 52.17)
Weight – kg (lb.)	0.037 (0.108)	0.47 (1.03)	4.38 (9.66)		

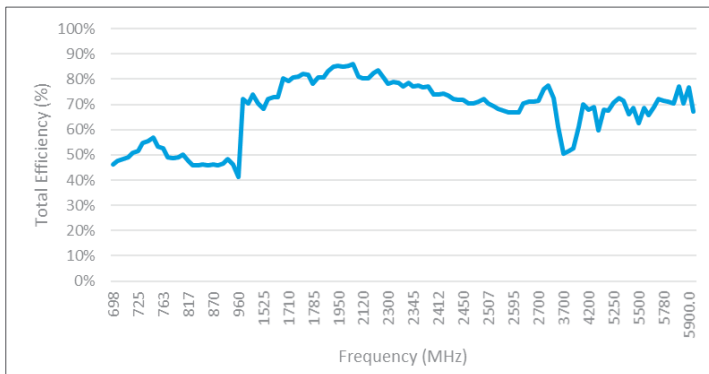
MECHANICAL DRAWING



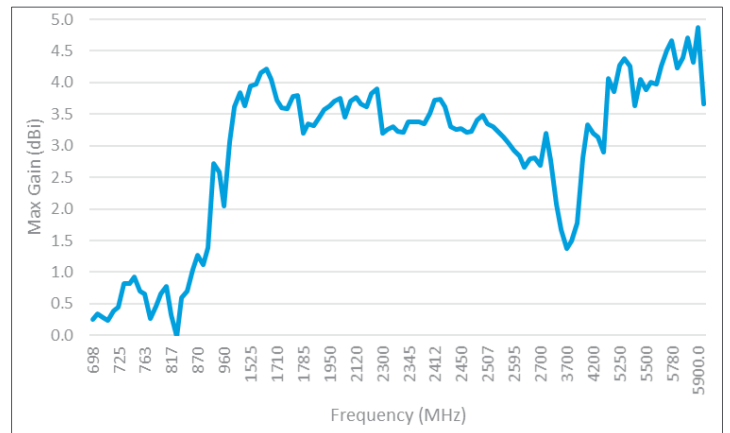
VSWR



TOTAL EFFICIENCY (%)

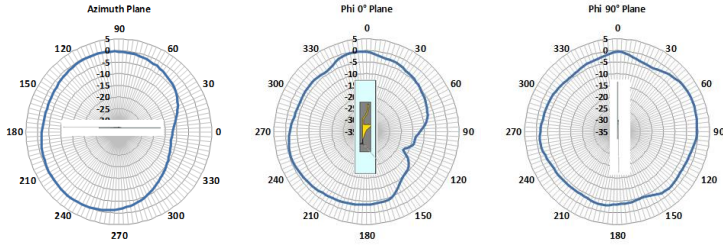


MAX GAIN (dBi)

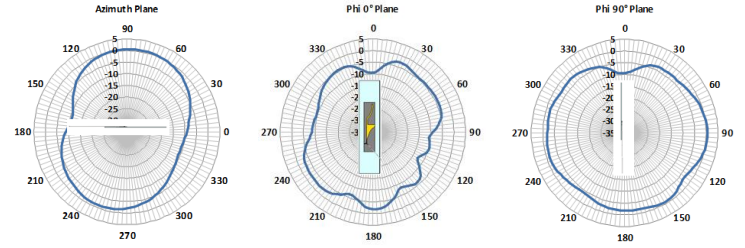


RADIATION PATTERNS

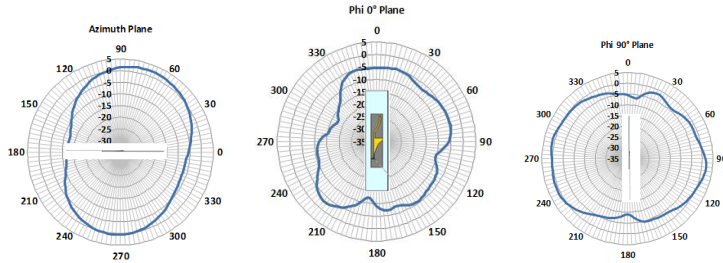
633 MHz



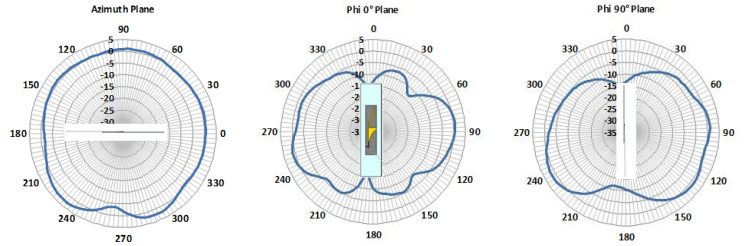
849 MHz



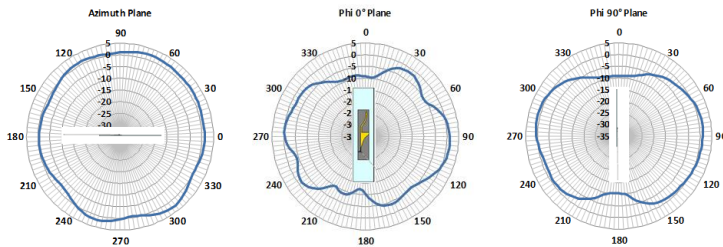
925 MHz



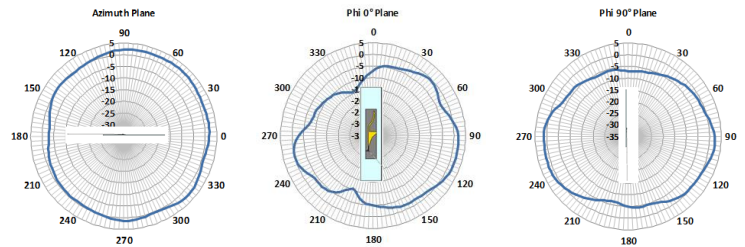
1448 MHz



1730 MHz

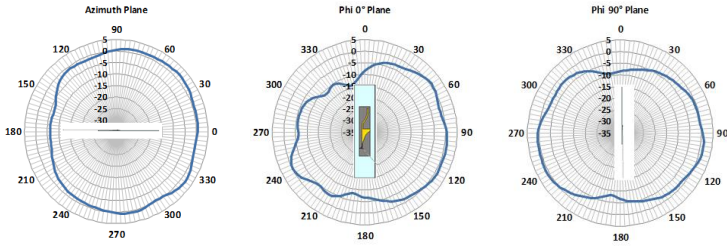


2140 MHz

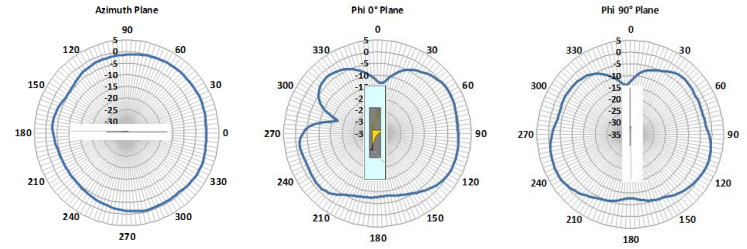


RADIATION PATTERNS

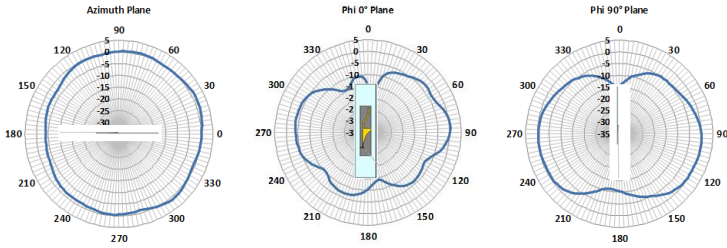
2300 MHz



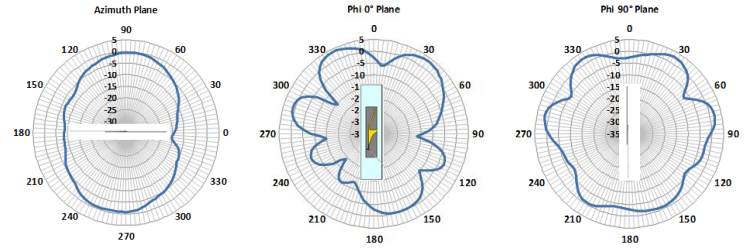
2595 MHz



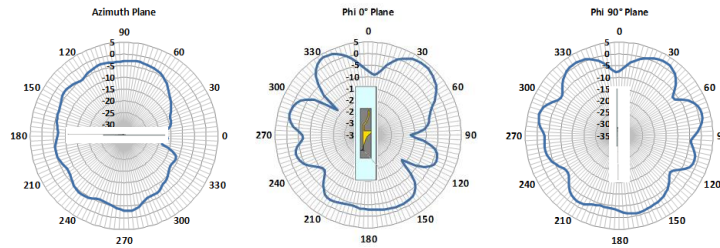
3700 MHz



5150 MHz



5500 MHz



Laird Connectivity warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird Connectivity product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

Any information furnished by Laird Connectivity and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Connectivity materials rests with the end user, since Laird Connectivity and its agents cannot be aware of all potential uses. Laird Connectivity makes no warranties as to the fitness, merchantability or suitability of any Laird Connectivity materials or products for any specific or general uses. Laird Connectivity shall not be liable for incidental or consequential damages of any kind. All Laird Connectivity products are sold pursuant to the Laird Connectivity Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request.

© Copyright 2020 Laird Connectivity All Rights Reserved. Laird Connectivity, the Laird Connectivity logo, and other marks are trademarks or registered trademarks of Laird Connectivity or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Connectivity or any third party intellectual property rights.

sales@lairdconnect.com
support@lairdconnect.com
www.lairdconnect.com

