



MIA-HB-698-2700

HIGH PERFORMANCE EMBEDDED 4G LTE ANTENNA

Ordering Part #: 100-00160-01

Description

MIA-HB-698-2700 is an ultra-wideband hexa band embedded antenna that provides broad coverage 690MHz- 960MHz / 1710MHz-2700Mhz and is compatible with most 4G LTE, 3G and 2G standards. This is a high efficiency high gain antenna ideally suited for LTE connectivity such as gateways, healthcare, HD video, routers, access points, repeaters and other LTE applications. The antenna is built out of flex material and is very easy to integrate. The antenna size is 120mm x 30mm featuring a coax cable and U. FL connector.

Electrical Specifications

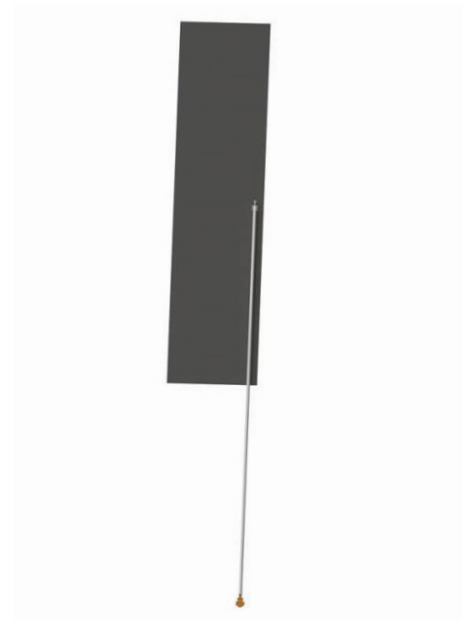
Parameter	Design Specifications	
Frequency	698 MHz ~ 960 MHz 1710 MHz ~ 2170 MHz 2500 MHz ~ 2700 MHz	
Dimension	120 x 30 x 0.15 mm	
VSWR	< 3.5	
Polarization	Linear	
Axial Ratio	3 typ.	
Impedance	50 Ohm	
Operating Temperature	from -40°C to +85°C	
Termination	Ag (Environmentally-Friendly Pb Free)	
Efficiency (%)	698 ~ 960 MHz	40 ~ 80
	1710 ~ 2170 MHz	70 ~ 90
	2500 MHz ~ 2700 MHz	70

Features

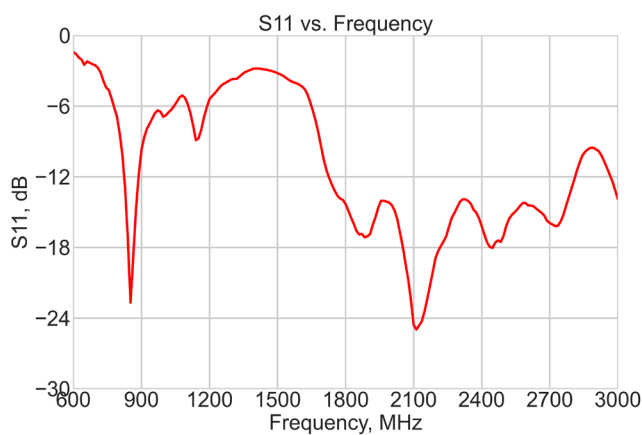
- 4G LTE 690MHz – 960MHz | 1710MHz – 2700MHz
- Ground plane Independent
- High Efficiency across all bands
- Flexible embedded antenna

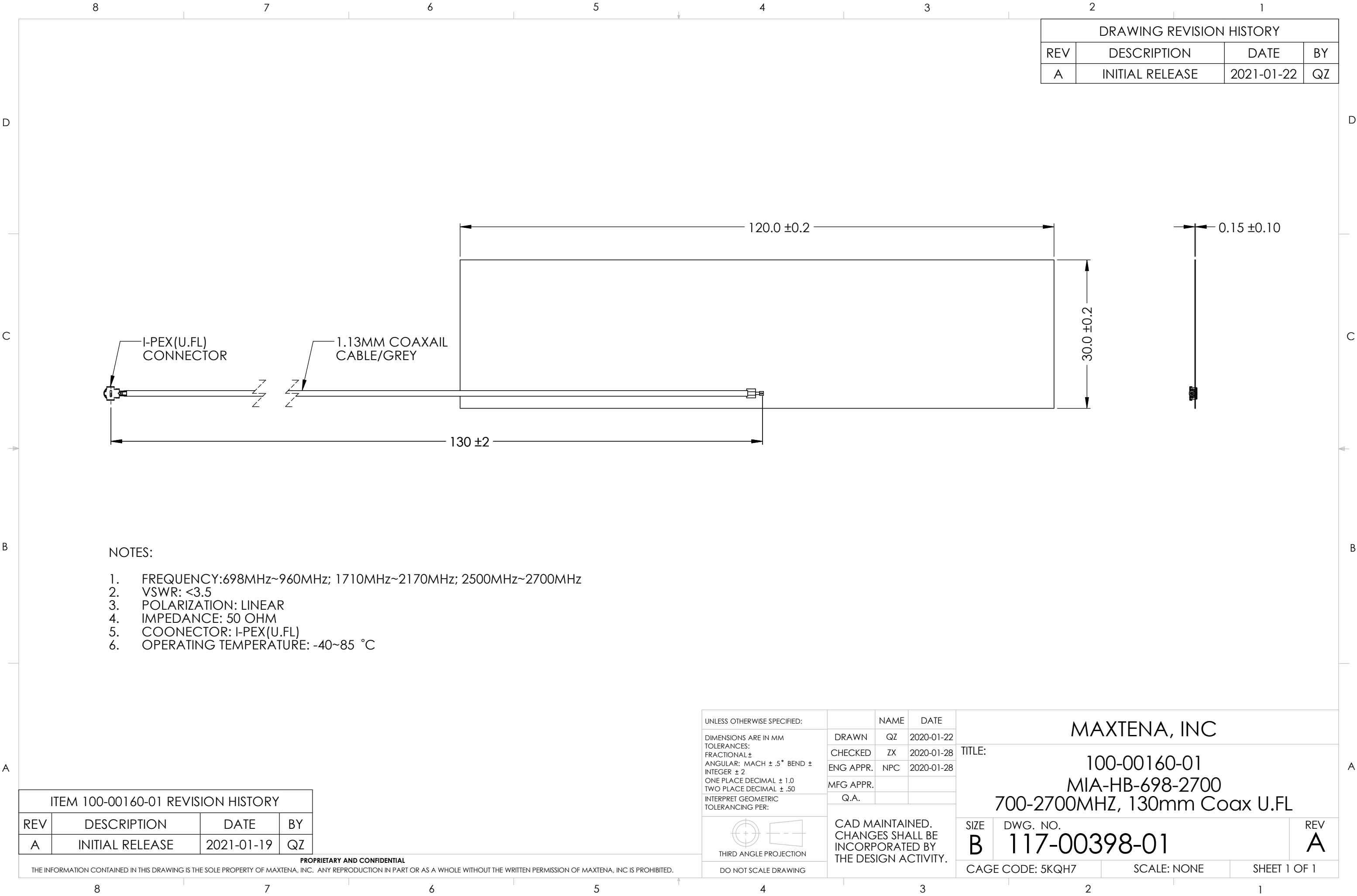
Applications

- IOT
- Smart City
- Vending Machines
- HD Video
- Gateways



S11 vs. Frequency plot





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