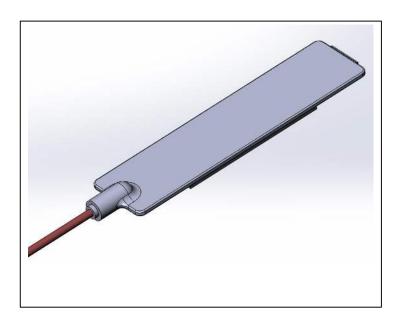




Series: Stealth Blade

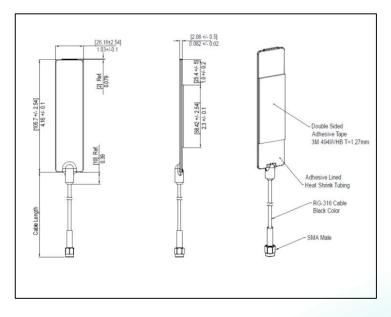
Description: Stealth Blade LTE Antenna

PART NUMBER: SB698SMAXX



Features:

- Cost-effective, high-performance solution for LTE
- Slim, low- profile without sacrificing mechanical performance
- Multiple cable lengths and connector options
- Adhesive mount
- Flexible board
- IP-67 rating when installed to compliant surface
- RoHS Compliant Product
- Multiple and dual frequency products available



Applications:

- WLAN, LTE and 3G/4G applications
- Public Safety
- IoT Vending/Smart Metering
- Access Points
- Vehicular (window, dashboard, visor)
- Data transmission

All dimensions are in mm / inches

Issue: 1623

In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION

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Series: Stealth Blade

PART NUMBER: SB698SMAXX

This document covers all product variants of the following product family:

Projects	Connector	Cable Type	Cable Length	Weight
SB698SMA3	- SMA Male	RG-316	3' / 914.4mm	26g
SB698SMA12			12' / 3657.6mm	49g





Series: Stealth Blade

PART NUMBER: SB698SMAXX

ELECTRICAL SPECIFICATIONS

Antenna Type Dipole (Measured with 315mm RG-174 Cable, in free space)

Frequency 698-960/1710-2170/2300-2700MHz

Nominal Impedance 50 Ω

VSWR 2.5:1 Max

Peak Gain (698-960) 2 dBi

Peak Gain (1710-2700) 2 dBi

Efficiency (698-960) 50 %

Efficiency (1710-2700) 60 %

HPBW Horizontal Plane Omni

HPBW Vertical Plane (698-960) 40°

HPBW Vertical Plane (1710-2170) 70°

HPBW Vertical Plane (2300-2700) 55°

Polarization Vertical

Power withstanding 3 W

Connector type Refer to table on Page 2

Cable type Black RG-316

Length Refer to table on Page 2



TECHNICAL DATA SHEET

Description: Stealth Blade LTE Antenna

Series: Stealth Blade

PART NUMBER: SB698SMAXX

MECHANICAL SPECIFICATIONS

Color Black

Ingress Protection IP67

Weight Refer to table on Page 2

Fixing system Adhesive Tape

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40 ~ +85° C

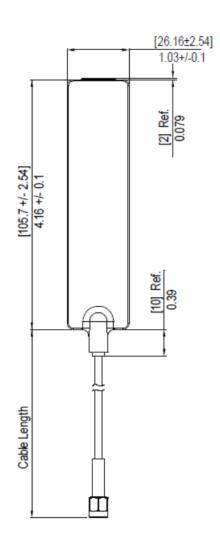


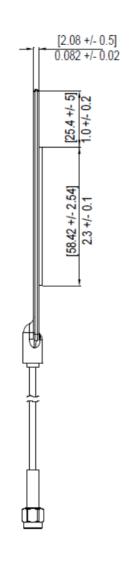


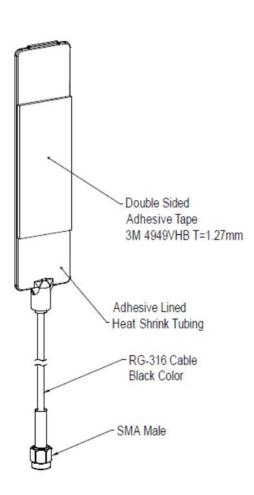
Series: Stealth Blade

PART NUMBER: SB698SMAXX

MECHANICAL DRAWING









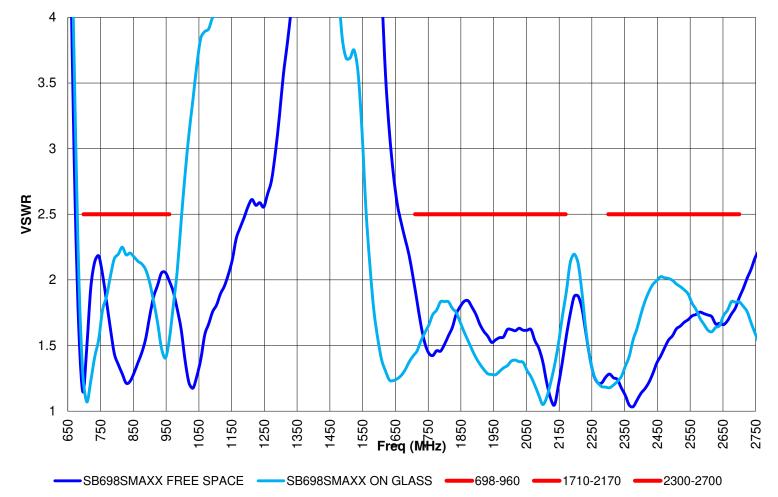


Series: Stealth Blade

PART NUMBER: SB698SMAXX

CHARTS

S11 Parameter Measured with 315mm RG-174 cable









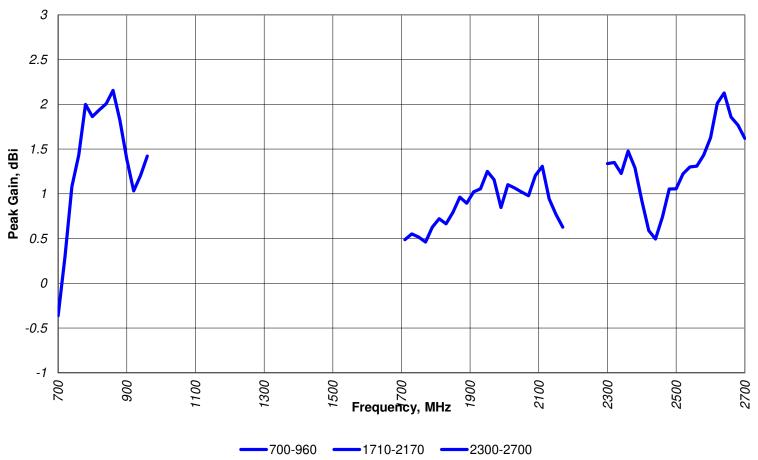
Series: Stealth Blade

PART NUMBER: SB698SMAXX

CHARTS

Peak Gain vs Frequency SB698SMAXX Free space

Measured at Pulse, USA - June 01, 2016







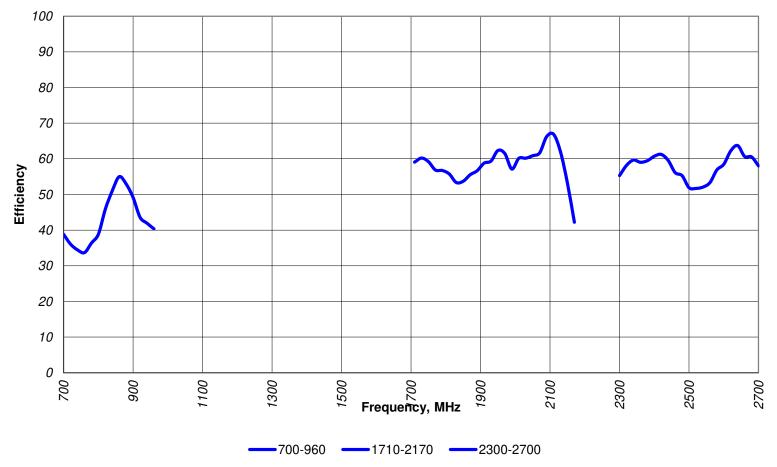
Series: Stealth Blade

PART NUMBER: SB698SMAXX

CHARTS

Efficiency vs Frequency SB698SMAXX Free space

Measured at Pulse, USA - June 01, 2016

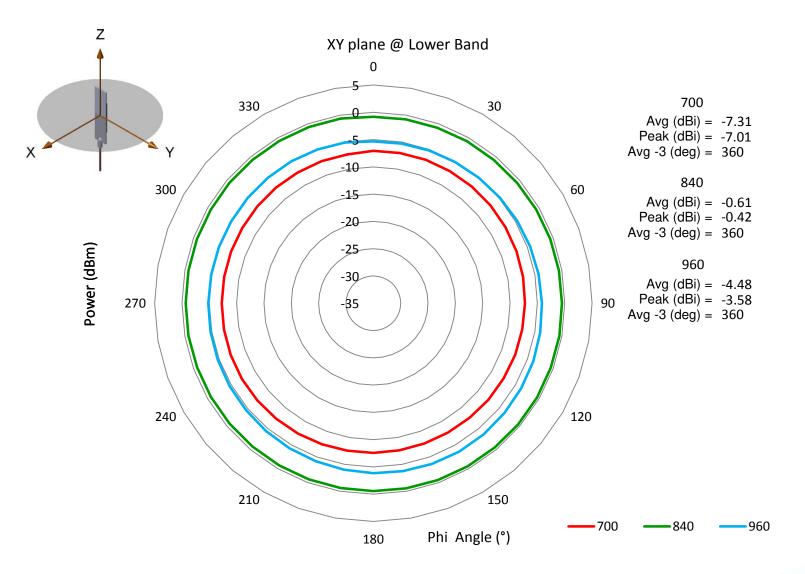






Series: Stealth Blade

PART NUMBER: SB698SMAXX

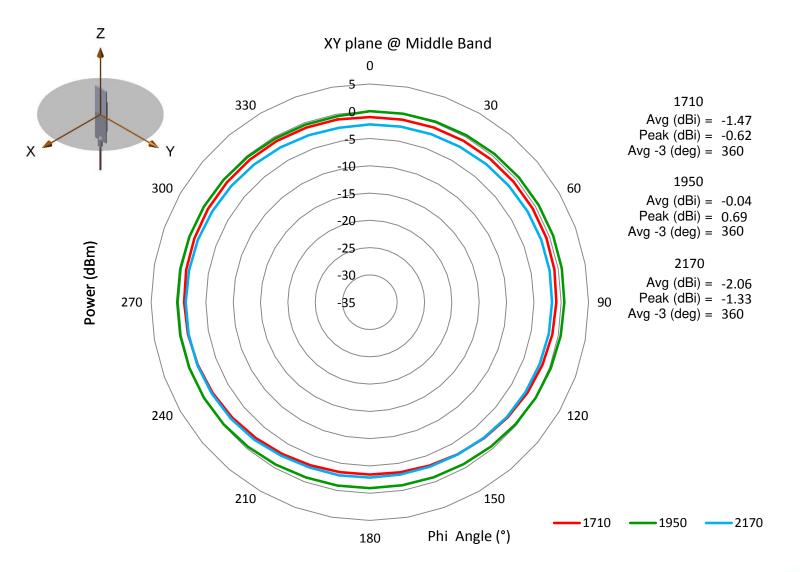




Series: Stealth Blade

Description: Stealth Blade LTE Antenna

PART NUMBER: SB698SMAXX

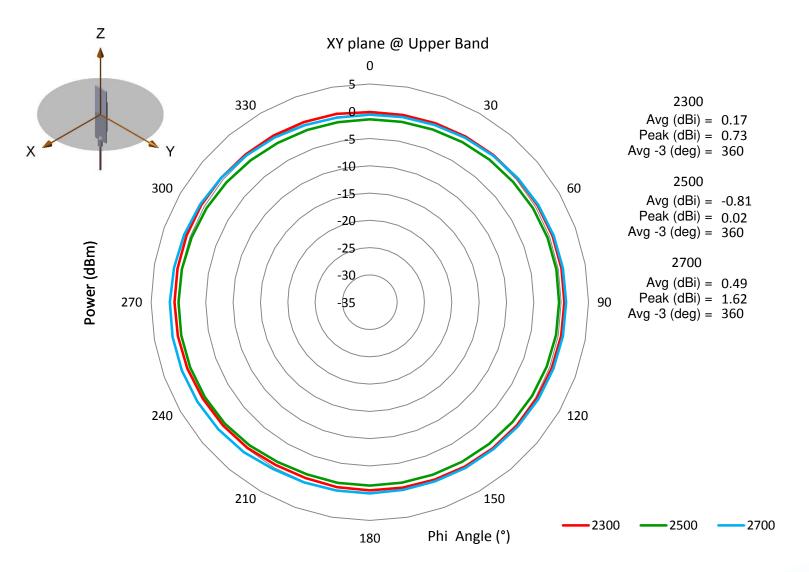




Series: Stealth Blade

Description: Stealth Blade LTE Antenna

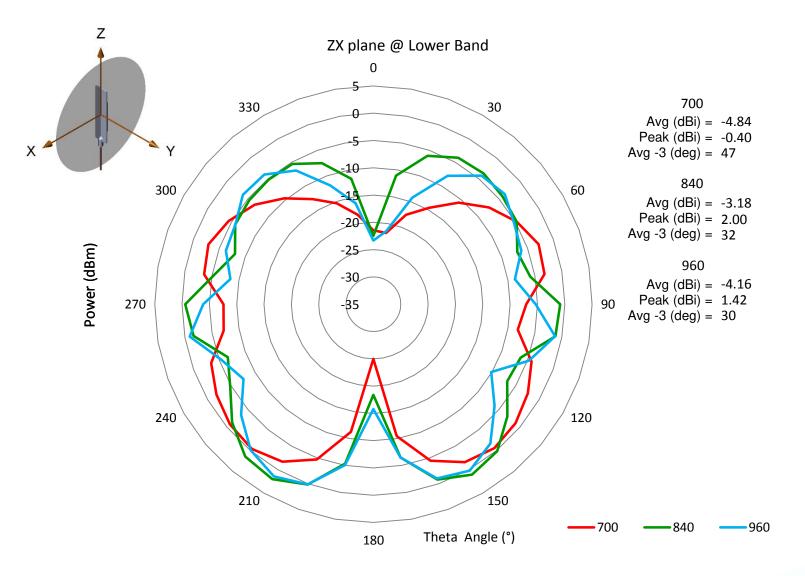
PART NUMBER: SB698SMAXX





Series: Stealth Blade

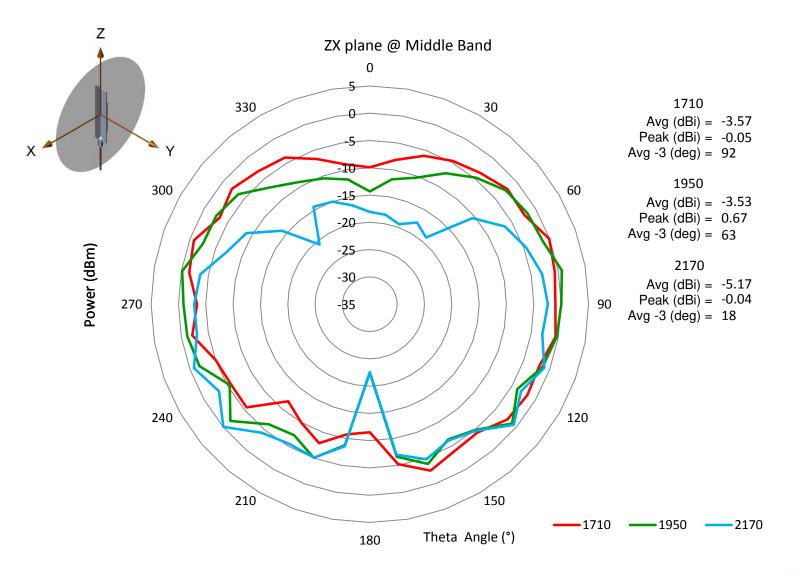
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Series: Stealth Blade

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Series: Stealth Blade

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