

RSxA698/2700xxxx

4G/5G 617-3800 MHz

Monopole Stick Antenna



RSSA698/2700SSM

RSSA698/2700RSM



RSCA698/2700SSM

Features:

- Frequency 617-3800MHz
- Small form factor monopole

Applications:

- 4G LTE/LTE-A, 5G NR
- LTE CAT1M
- NBloT
- CBRS US B48
- Gateways, Set Top boxes
- Telemetry, High speed data
- IoT and M2M solutions

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Electrical Specifications

Frequency 1	617-960 MHz
Frequency 2	1700-2690 MHz
Frequency 3	3400-3800 MHz
Gain 1	-0.5 dBi
Gain 2	1 dBi
Gain 3	0 dBi
VSWR	2:1
Radiation Pattern	Omni
Polarization	Linear

Environmental Specifications

Operating Temperature [°C]	-30 to 85
Storage Temperature [°C]	-30 to 85
RoHS Compliant	Yes
IP Rating	See Below

Mechanical Specifications

Color	Black
Connector	See Below
Weight	RSSA: 7.5g RSCA: 7.8 g

SKU	Connector	IP Rating
RSSA698/2700SSM	SMA Male	IP42
RSSA698/2700RSM	RP-SMA Male	IP42
RSCA698/2700SSM	SMA Male	IP65



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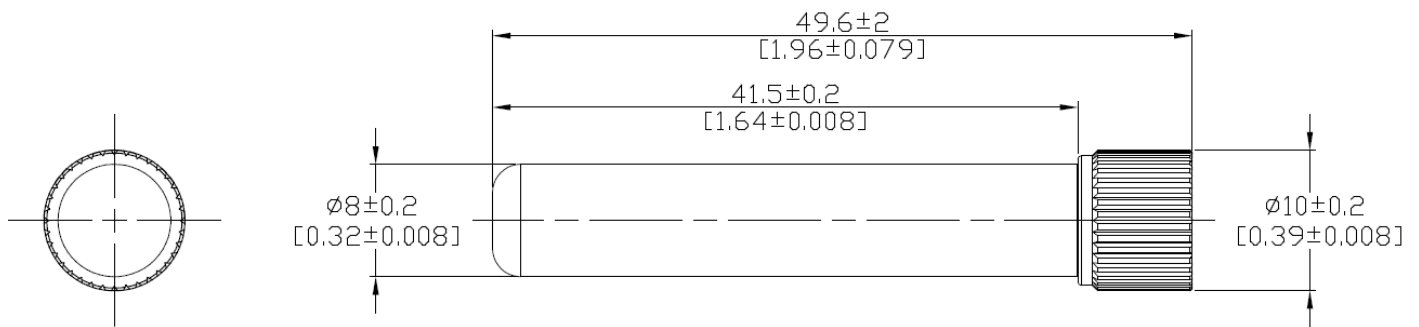
4G/5G 617-3800 MHz

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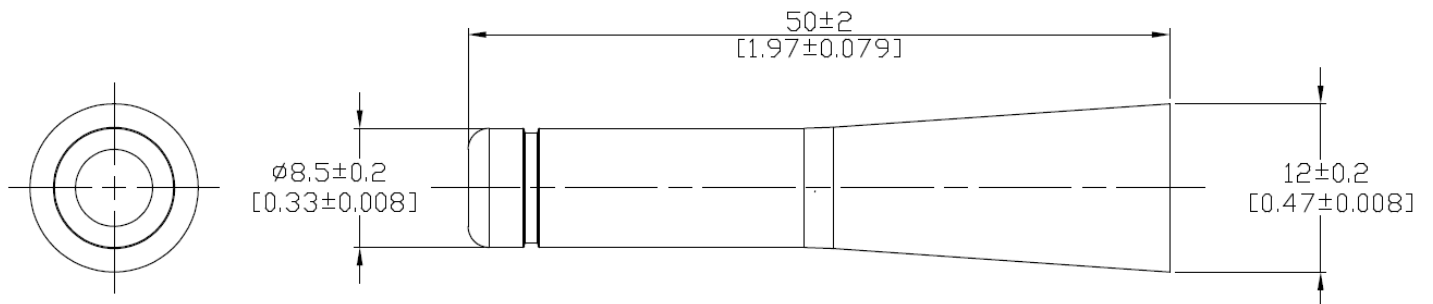
RFMAX
ANTENNAS



RSSA698/2700SSM and RSA698/2700RSM



RSCA698/2700SSM

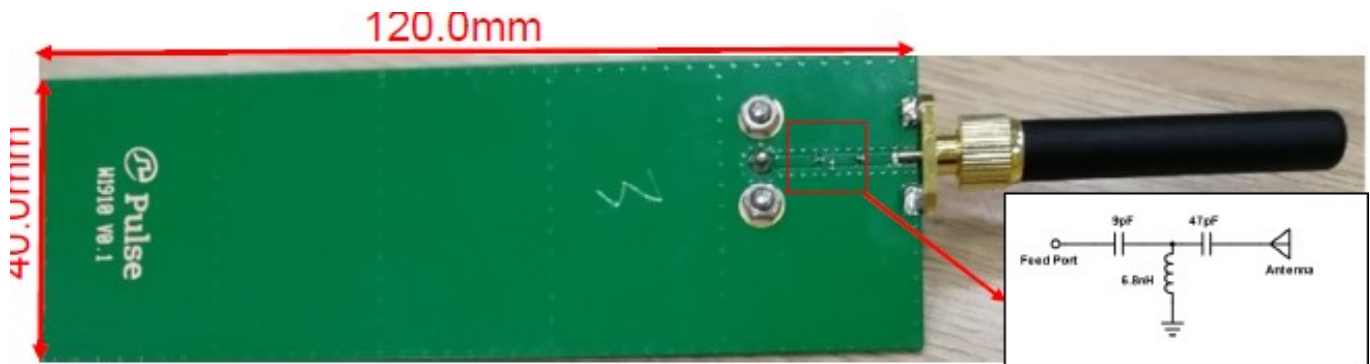


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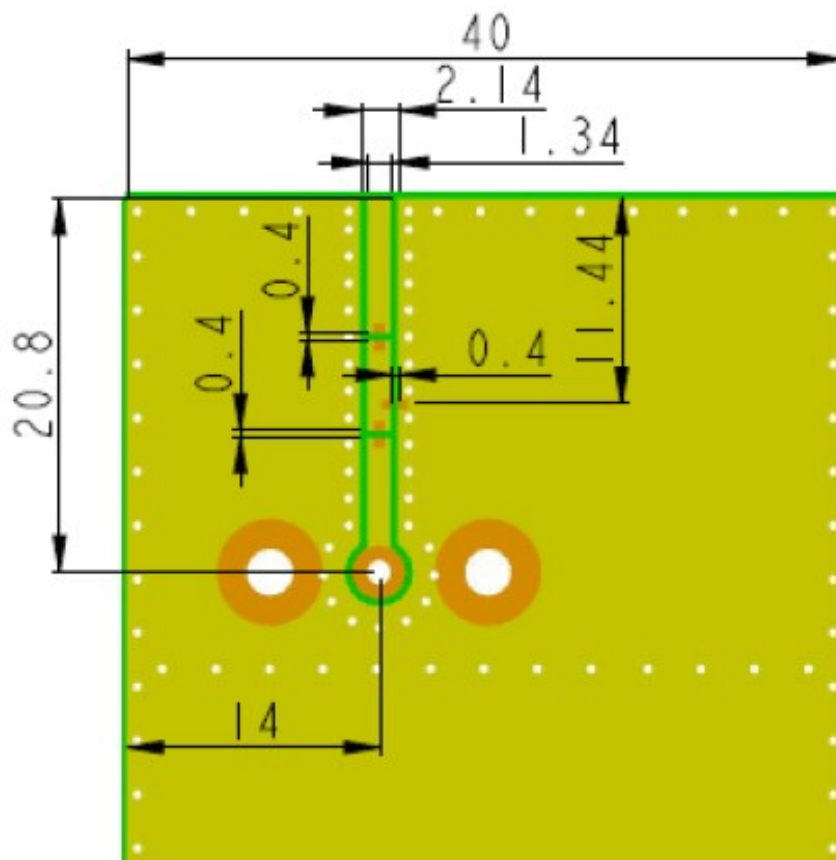


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#Test on 40.0*120.0mm ground plane with matching circuit.



Unit: mm



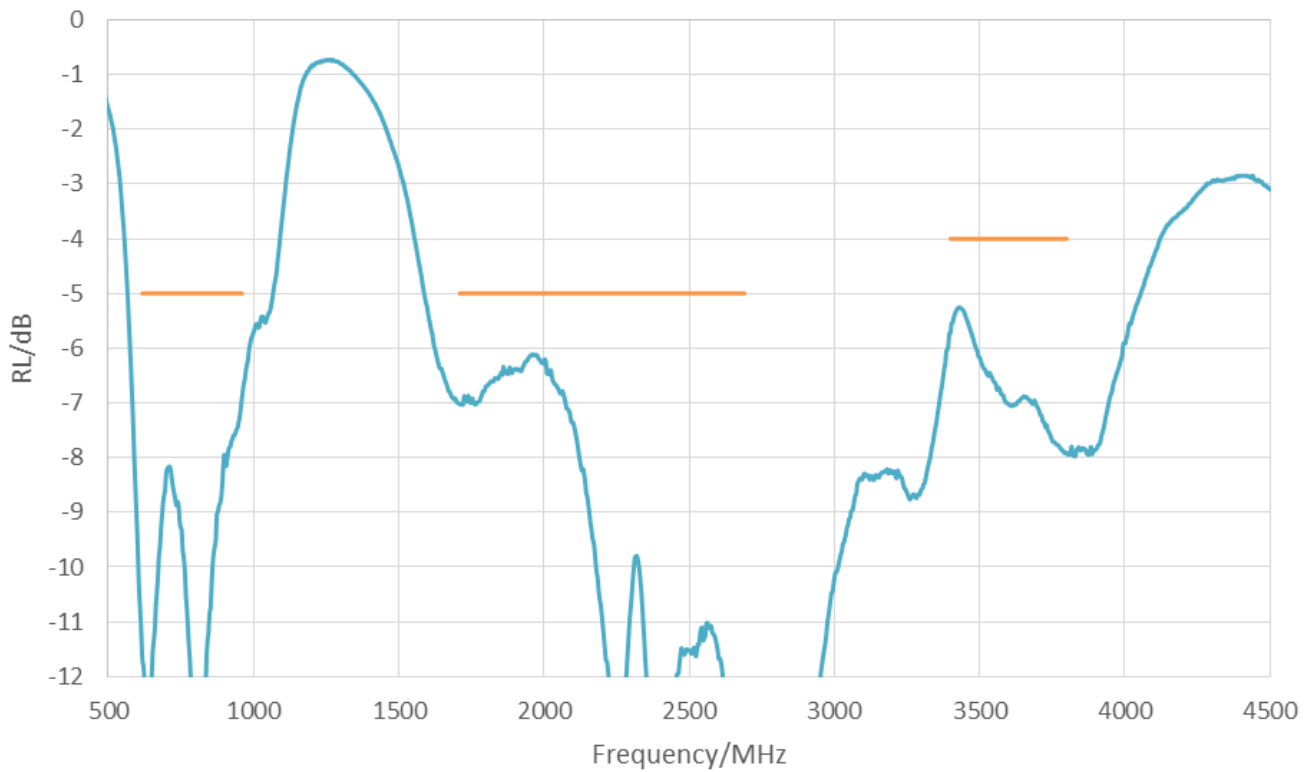
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Return Loss vs Frequency



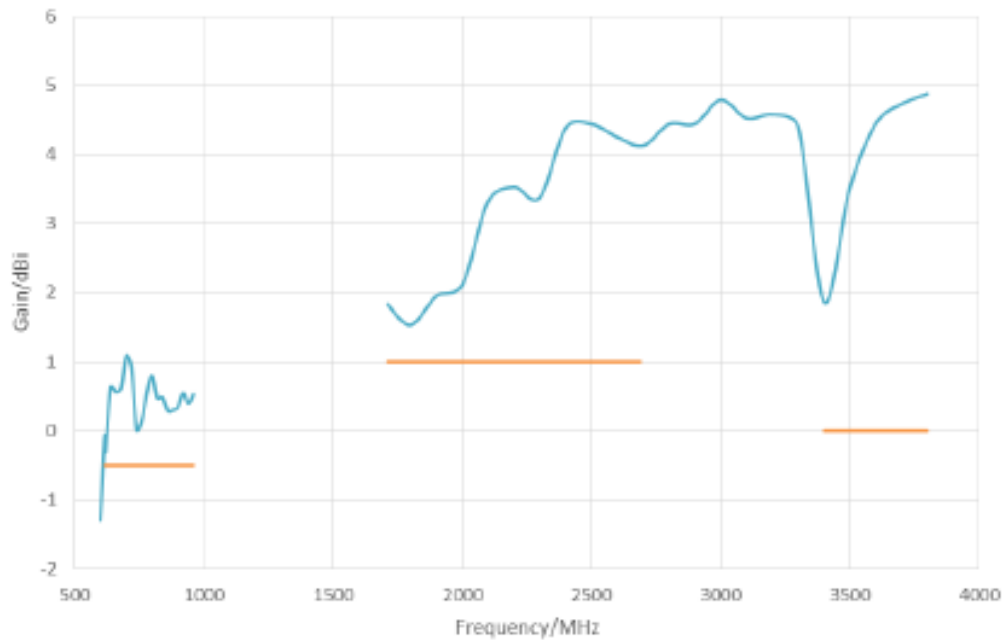
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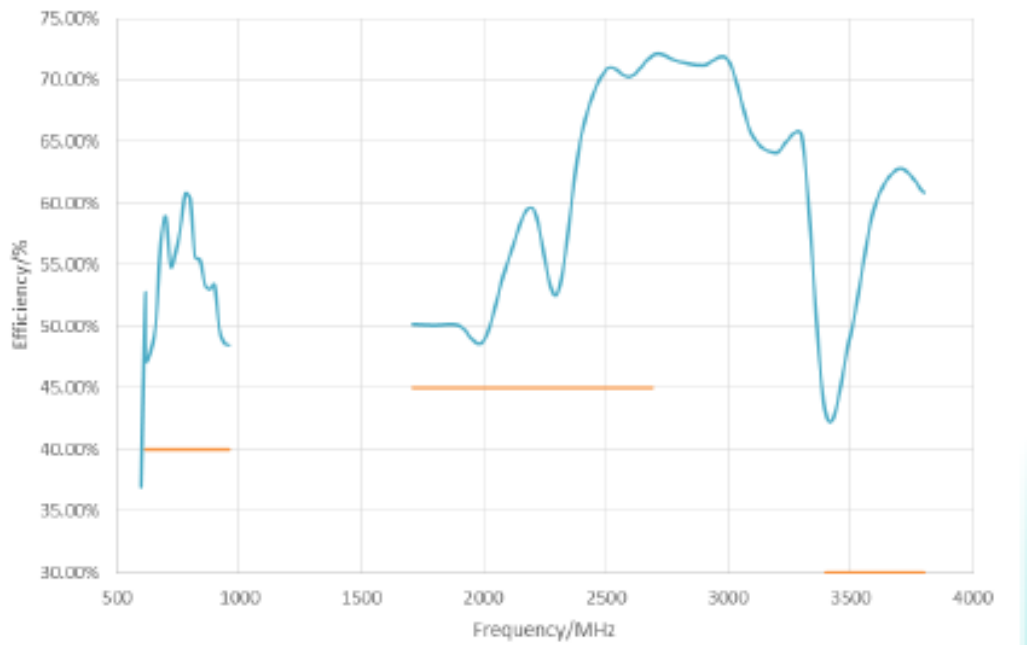
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Peak Gain vs Frequency



Radiation Efficiency vs Frequency



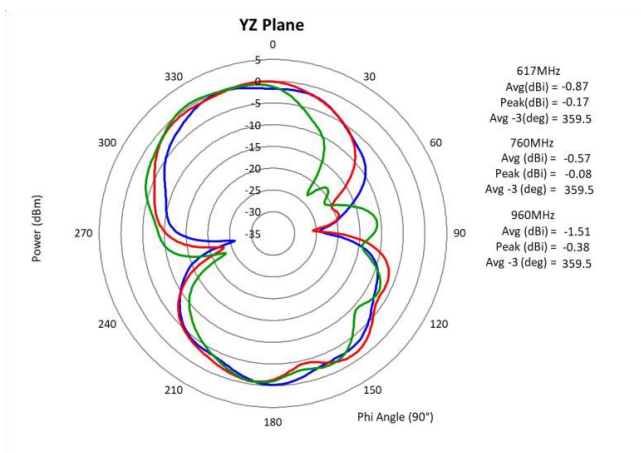
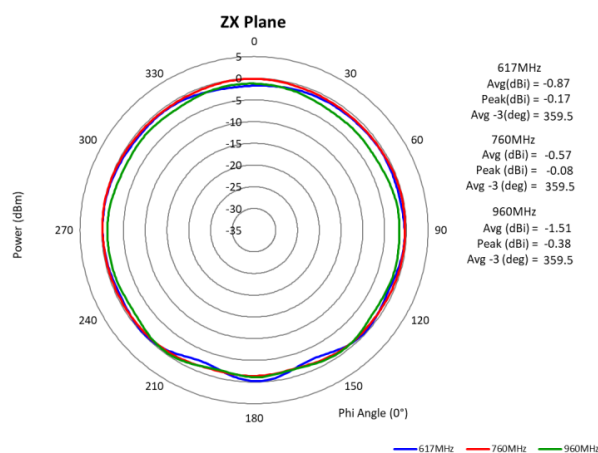
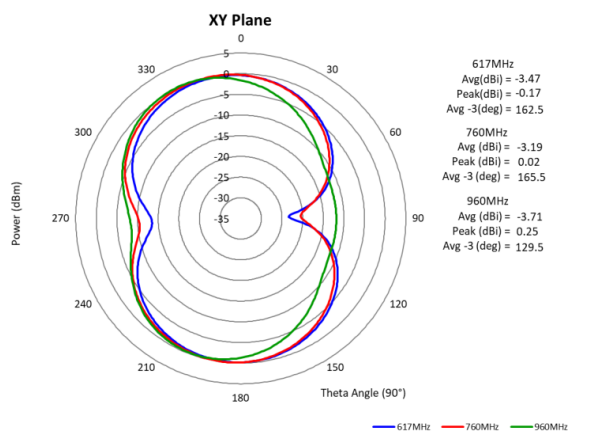
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Free Space Radiation Pattern(617-960 MHz)



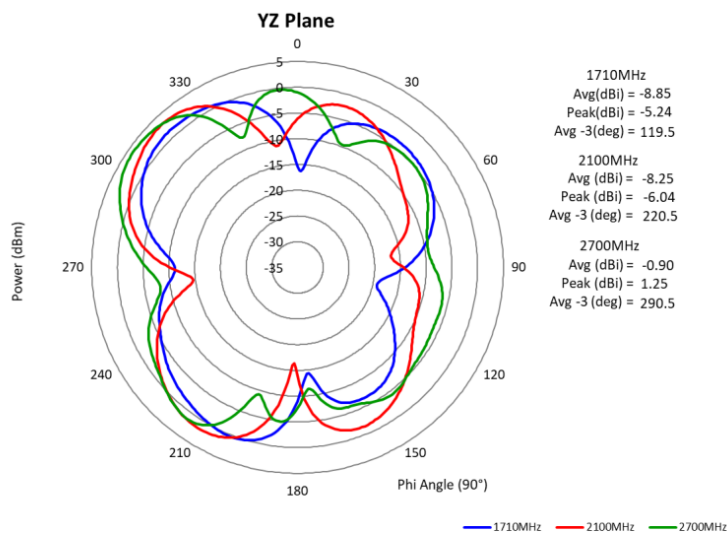
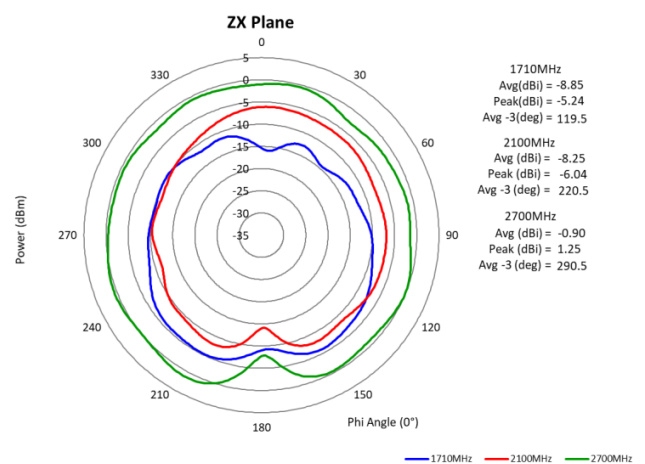
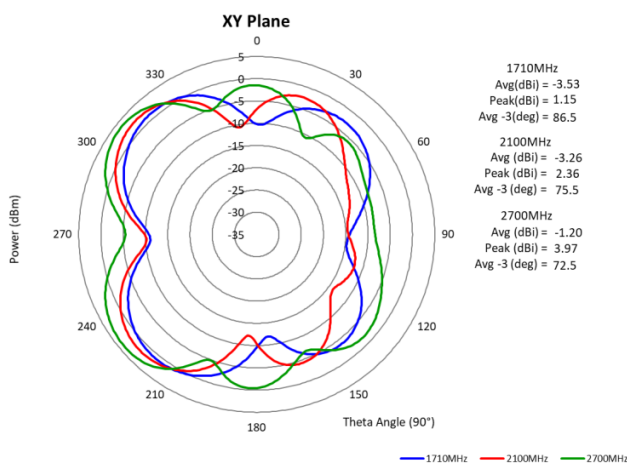
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Free Space Radiation Pattern(1710-2690MHz)



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Free Space Radiation Pattern(3400-3800MHz)

