

Series: Low Profile Transit

Description: 617-7125MHz,  
Magnetic mount, Monopole

PART NUMBER: LPT600/71MM200SMA (Black)  
LPT600/71MM200SMAW (White)



### Features:

- 4G / 5G LTE
- 617-960/1710-2170/2300-2700/  
3400-3800/4900-7125MHz
- Includes New Band 71 (617- 698 MHz)  
and CBRS Bands 42 and 48 (3.4-3.7  
GHz)
- Omni radiation pattern
- Average peak gain 617-960 MHz 2dBi  
1710-7125 MHz 5.9 dBi
- Power rating 60W
- Size Dia. 88mm (3.46")
- Height 102.5mm (4.04")
- Magnetic mount (Metal surface  
required)
- 3047.9mm (10ft) Low loss cable/SMA-  
Male

### Applications:

- 4G / 5G (LTE)
- Utility boxes
- Smart metering
- IoT Devices

#### Issue: 1923

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### ELECTRICAL SPECIFICATIONS

Antenna type	Monopole, Measured on 304.8mm (12") SQ ground plane
Frequency	617-960/1710-2170/2300-2700/3400-3800/4900-7125 MHz
Nominal Impedance	50 Ω
VSWR (617-960/1710-7125)	2.5:1
Average peak gain (617-960/1710-7125)	2/5.9 dBi
Average efficiency (617-960/1710-7125)	82/79 %
Radiation Pattern	Omni
HPBW Vertical Plane (617-960/1710-7125)	80/40 °
Polarization	Vertical
Power withstanding	60 W

### MECHANICAL SPECIFICATIONS

Diameter / height	88 / 102.5mm (3.46" / 4.04")
Weight	292 g (0.64 lbs)
Antenna Color / Material	Black or White / UV Stabilized plastic
Cable / Connector	3048 (10ft) Low loss cable / SMA-MALE
Mounting	Magnetic (Metal surface required)

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40° to +85° C
Ingress Protection	IP67
RoHS Compliant	Yes

### OTHER SPECIFICATIONS

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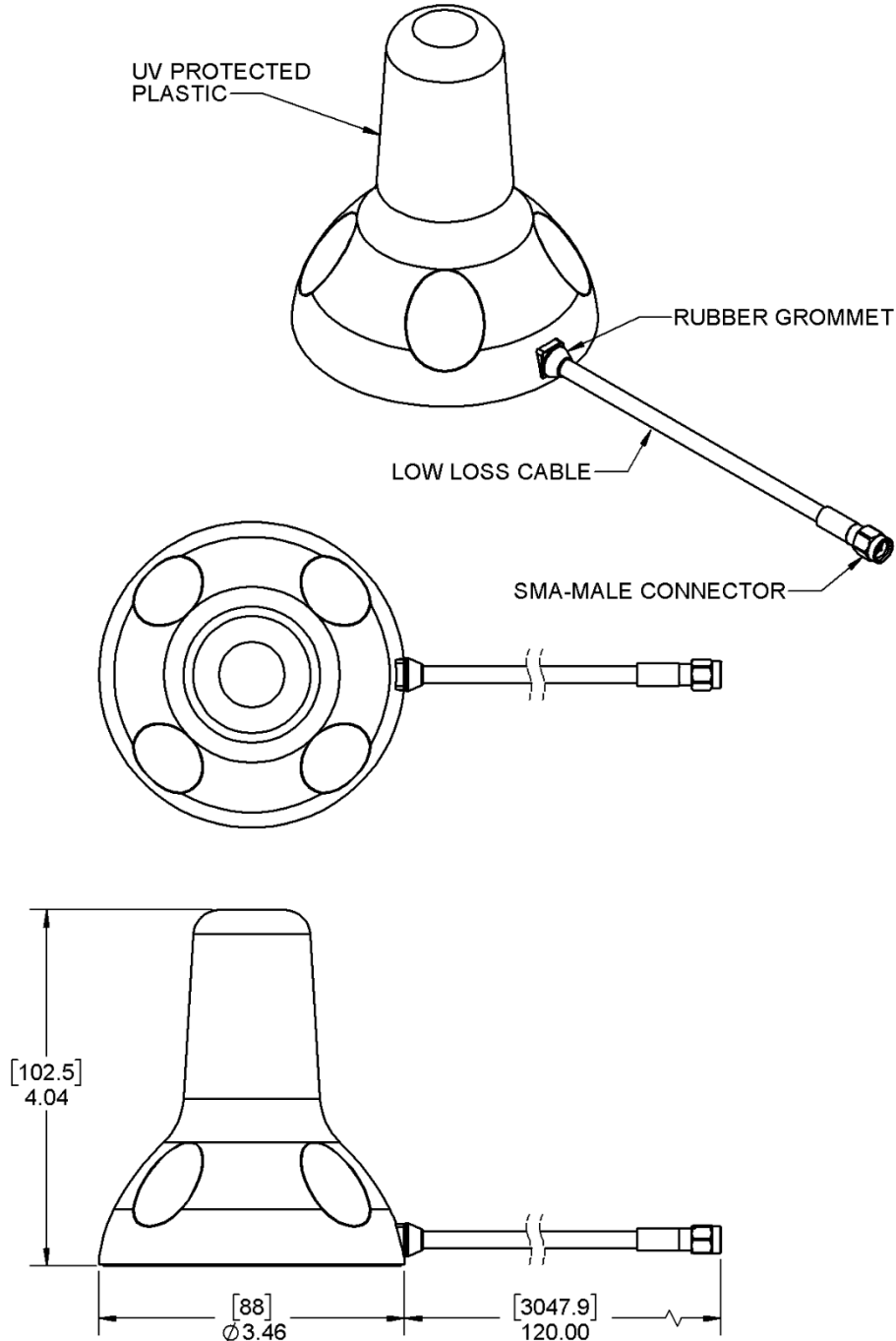
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**MECHANICAL DRAWING**



All dimensions are in mm / inches

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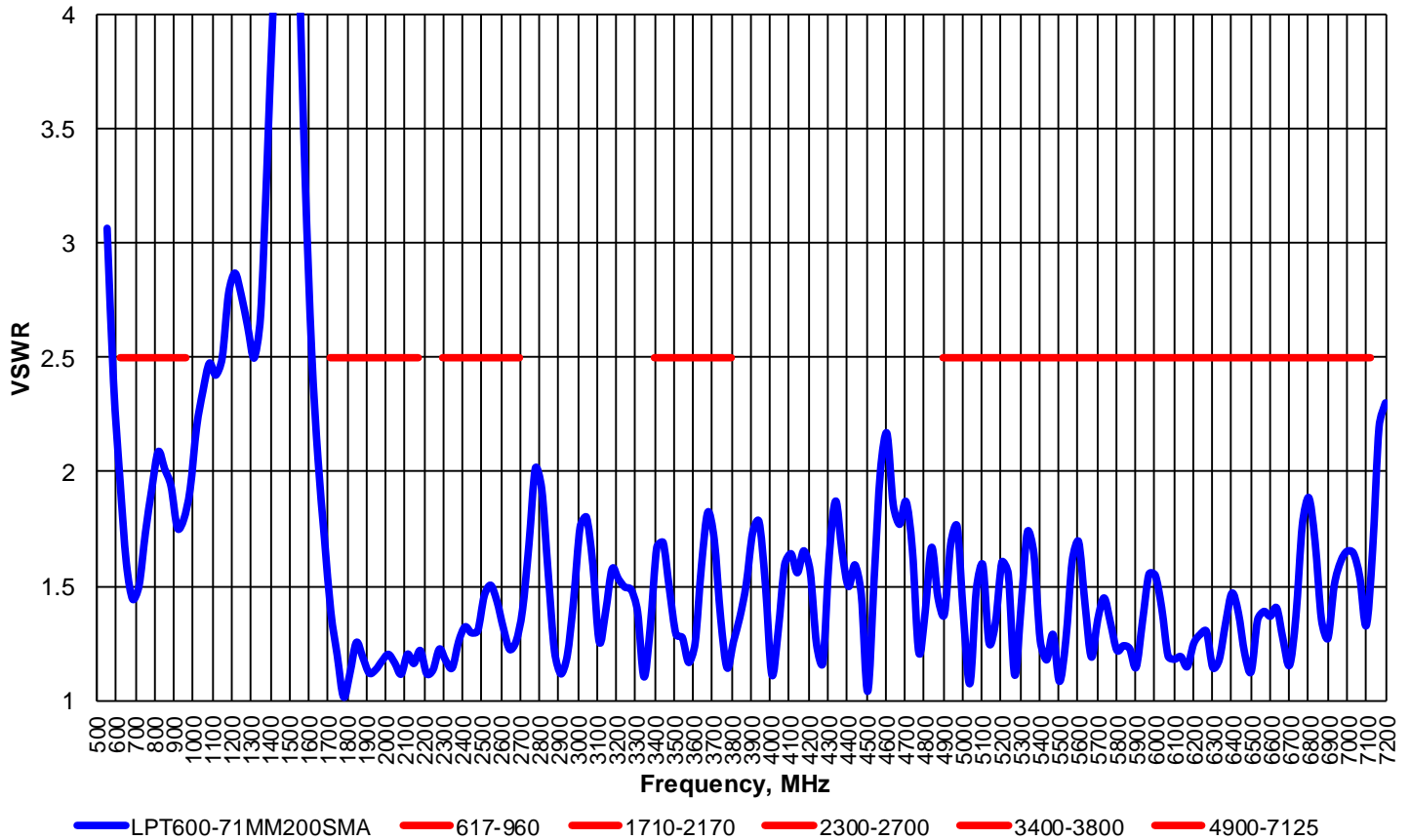
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CHARTS

VSWR vs Frequency  
 LPT600/71MM200SMA Measured on 12" SQ GP & 10' Cable  
 Measured at Pulse, USA - Jan 10, 2019



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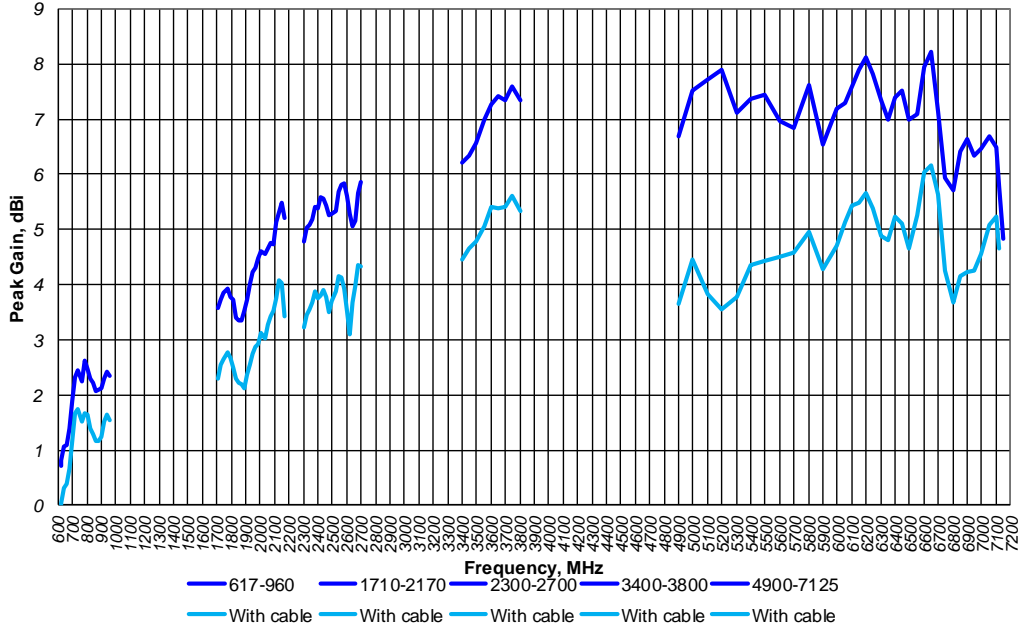
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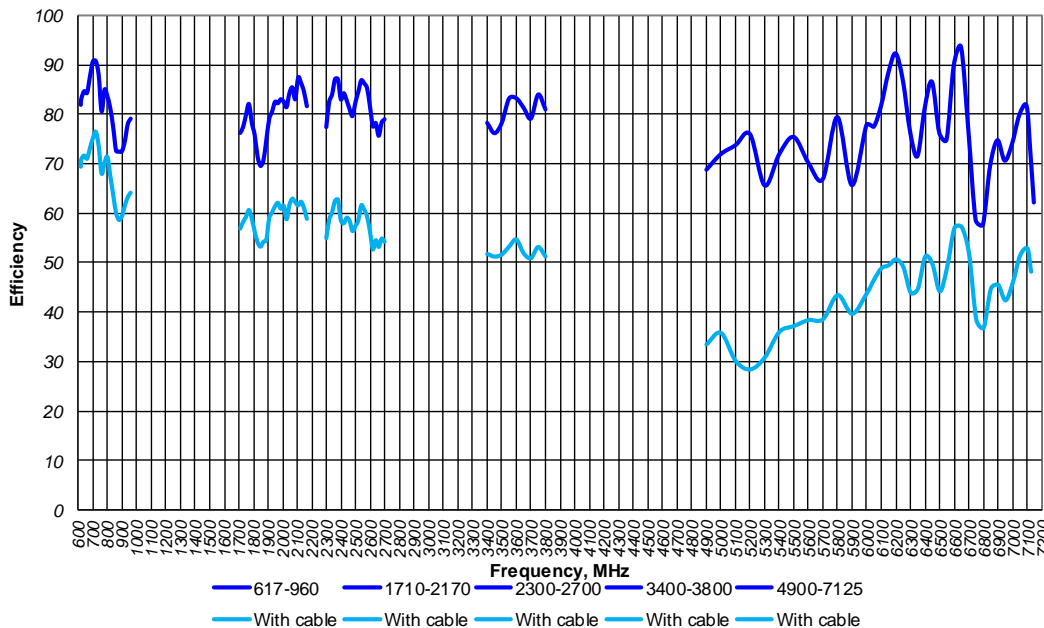
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**CHARTS**

**Peak Gain vs Frequency**  
**LPT600/71MM200SMA Measured on 12" SQ GP & 12" & 10' Cable**  
Measured at Pulse, USA - Jan 10, 2019



**Efficiency vs Frequency**  
**LPT600/71MM200SMA Measured on 12" SQ GP & 12" & 10' Cable**  
Measured at Pulse, USA - Jan 10, 2019



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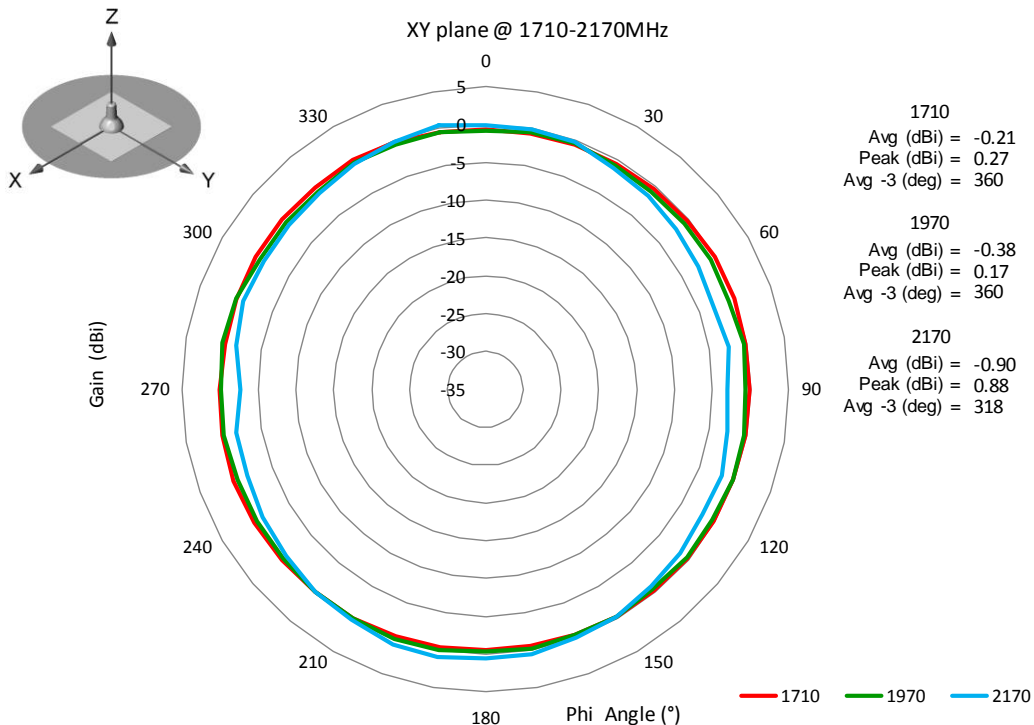
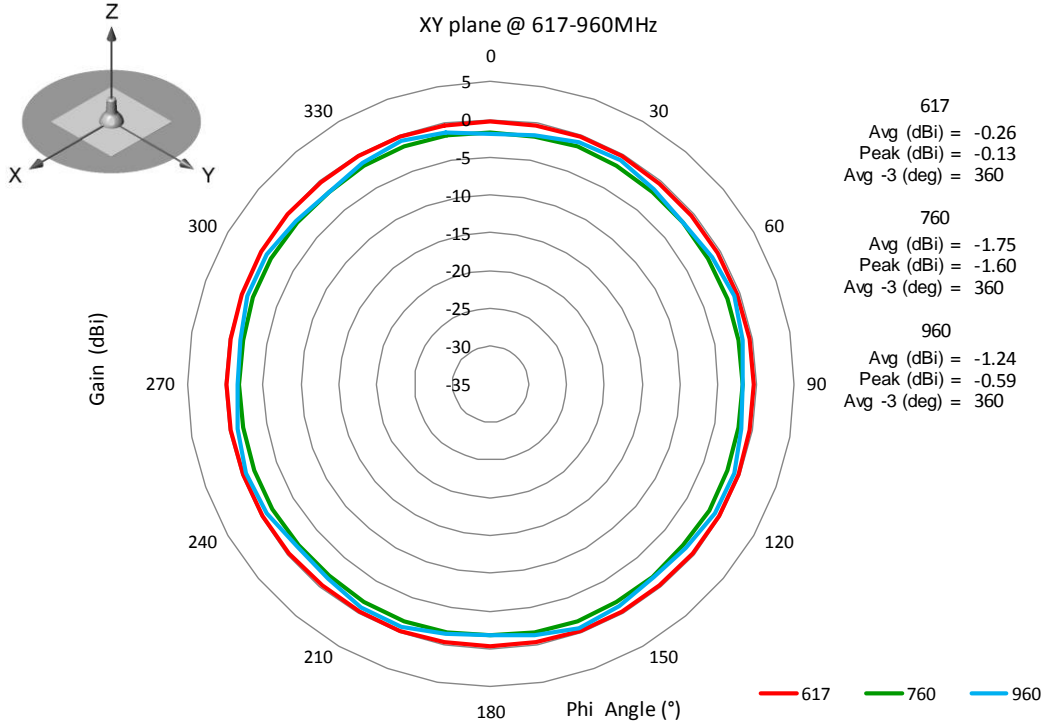
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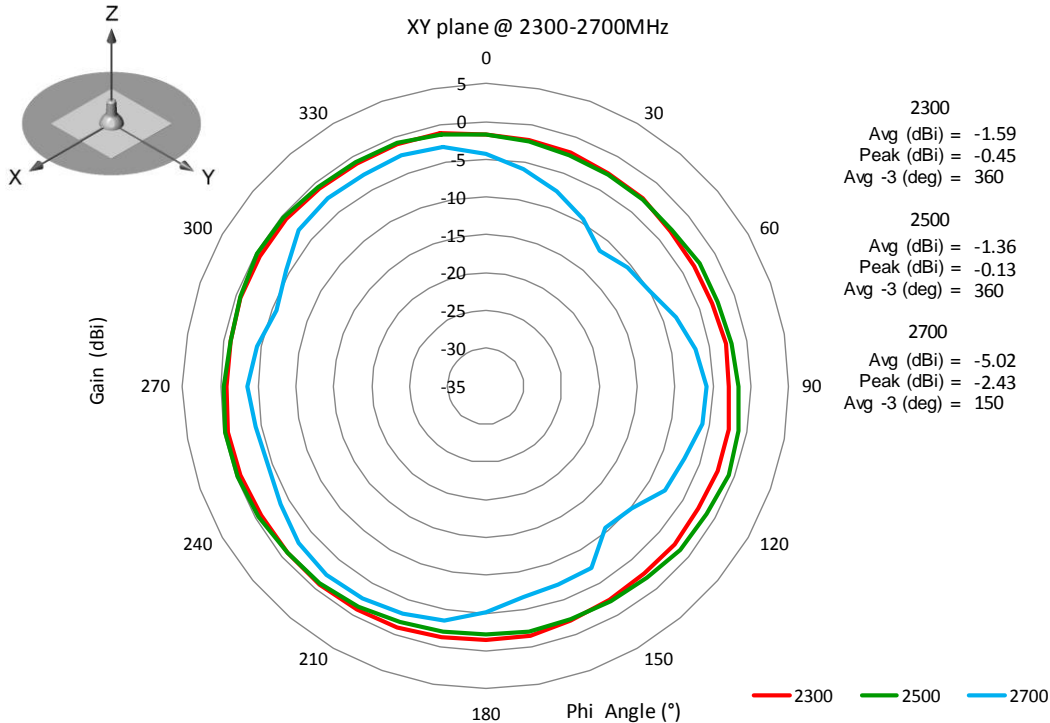
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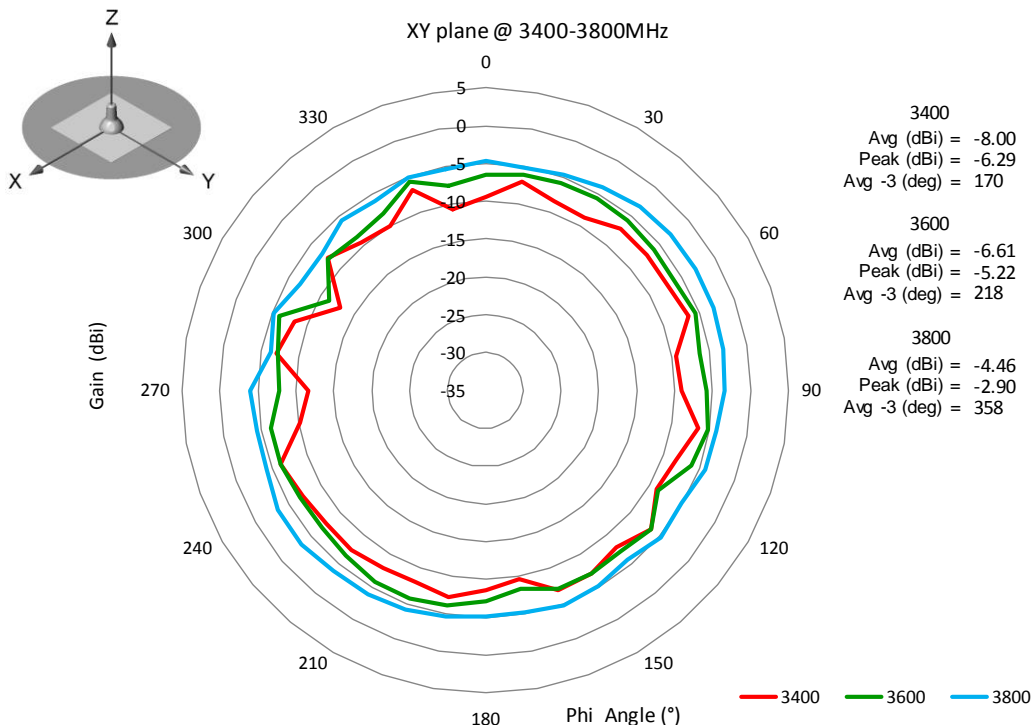
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**CHARTS**



Measured on 12" SQ Ground Plane 12" cable



Measured on 12" SQ Ground Plane 12" cable

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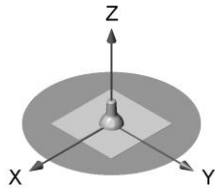
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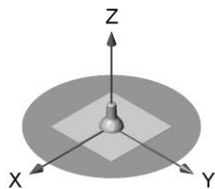
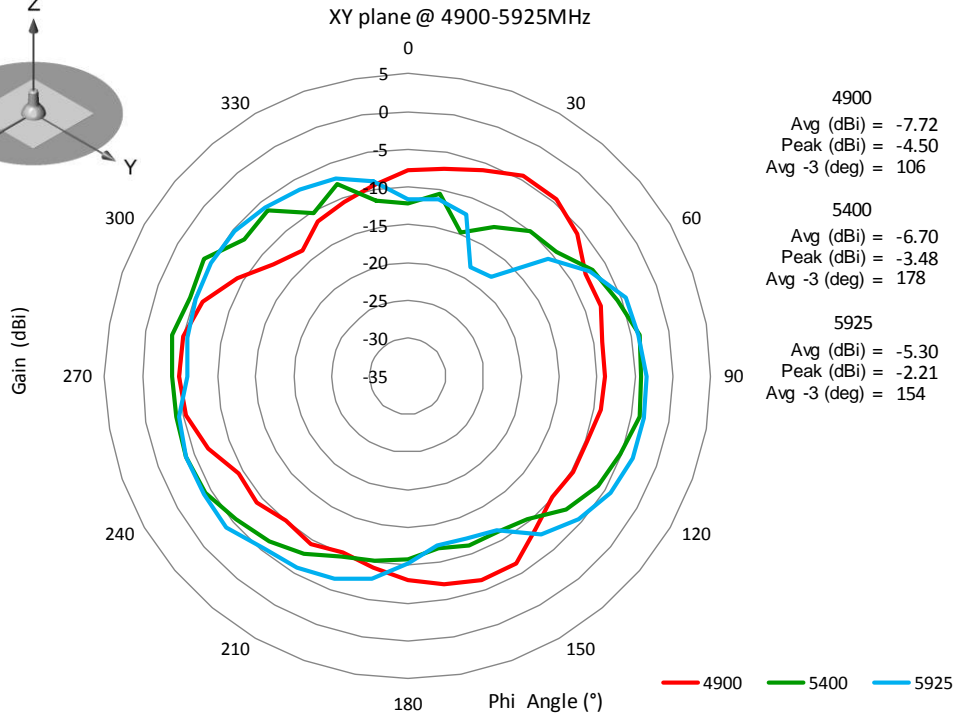
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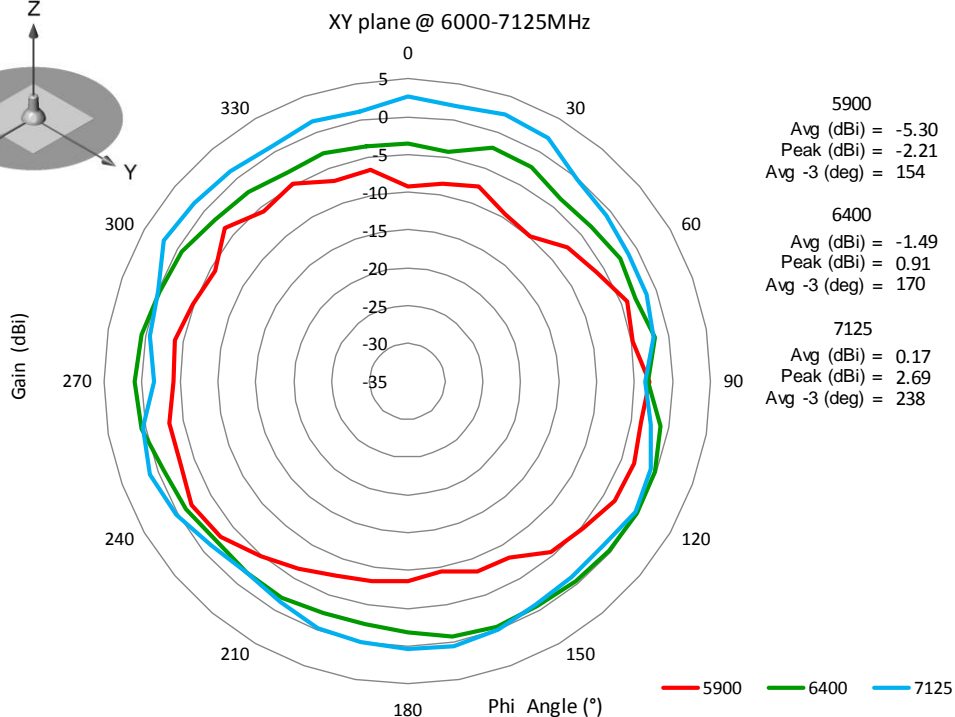
**CHARTS**



Measured on 12" SQ Ground Plane  
12" cable



Measured on 12" SQ Ground Plane  
12" cable



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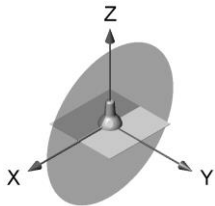


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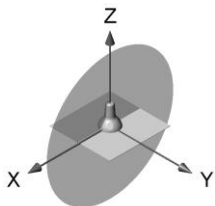
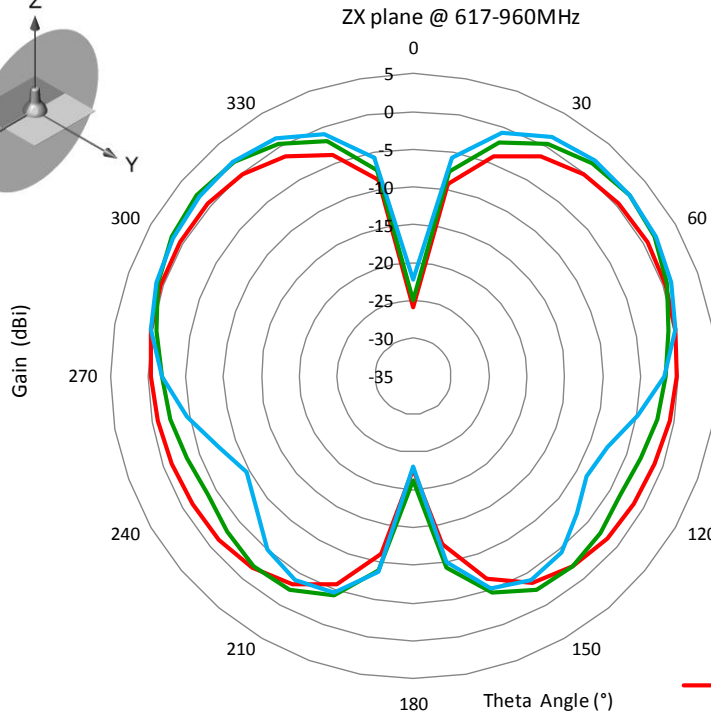
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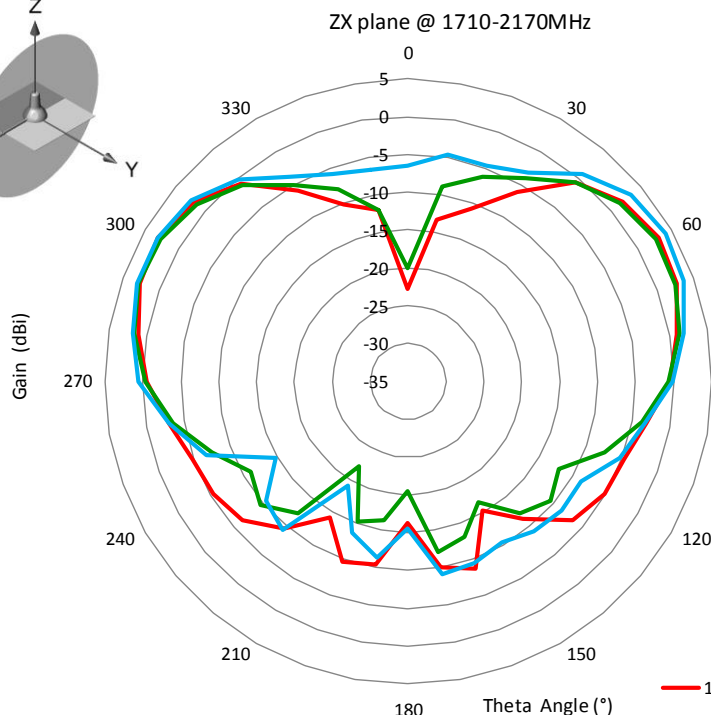
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Measured on 12" SQ Ground Plane  
12" cable



Measured on 12" SQ Ground Plane  
12" cable



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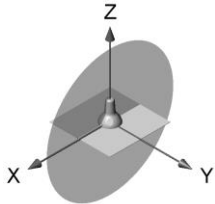
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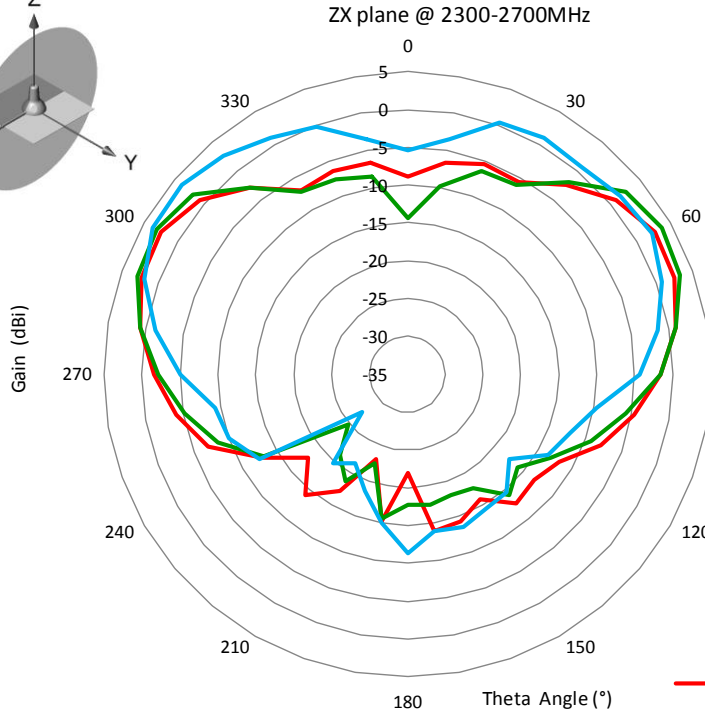
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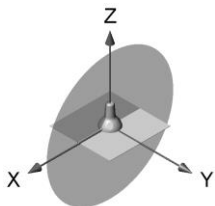


2300  
Avg (dBi) = -3.11  
Peak (dBi) = 2.69  
Avg -3 (deg) = 41

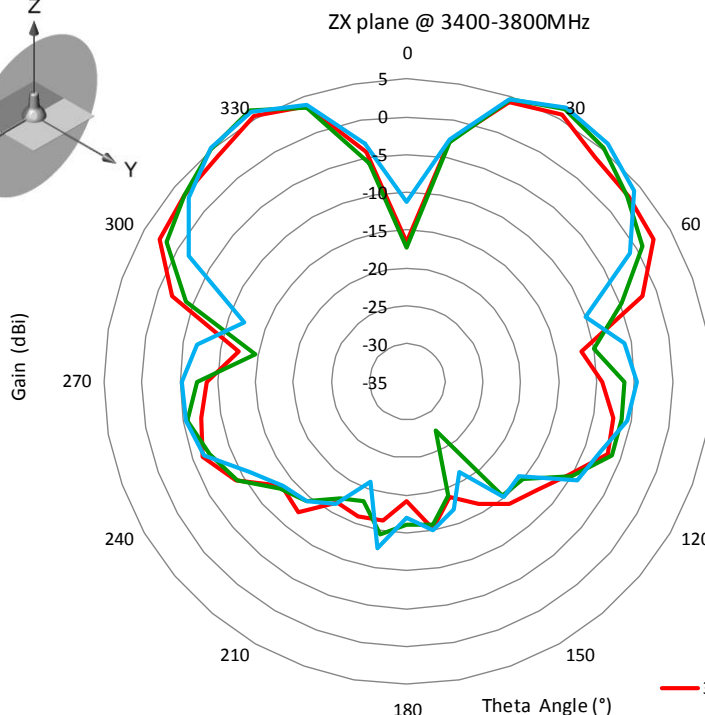
2500  
Avg (dBi) = -2.75  
Peak (dBi) = 3.68  
Avg -3 (deg) = 37

2700  
Avg (dBi) = -2.03  
Peak (dBi) = 3.86  
Avg -3 (deg) = 47

— 2300 — 2500 — 2700



Measured on 12" SQ Ground Plane  
12" cable



3400  
Avg (dBi) = -0.97  
Peak (dBi) = 5.79  
Avg -3 (deg) = 38

3600  
Avg (dBi) = -0.64  
Peak (dBi) = 6.57  
Avg -3 (deg) = 31

3800  
Avg (dBi) = -0.56  
Peak (dBi) = 6.83  
Avg -3 (deg) = 33

— 3400 — 3600 — 3800

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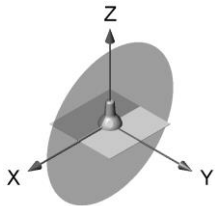
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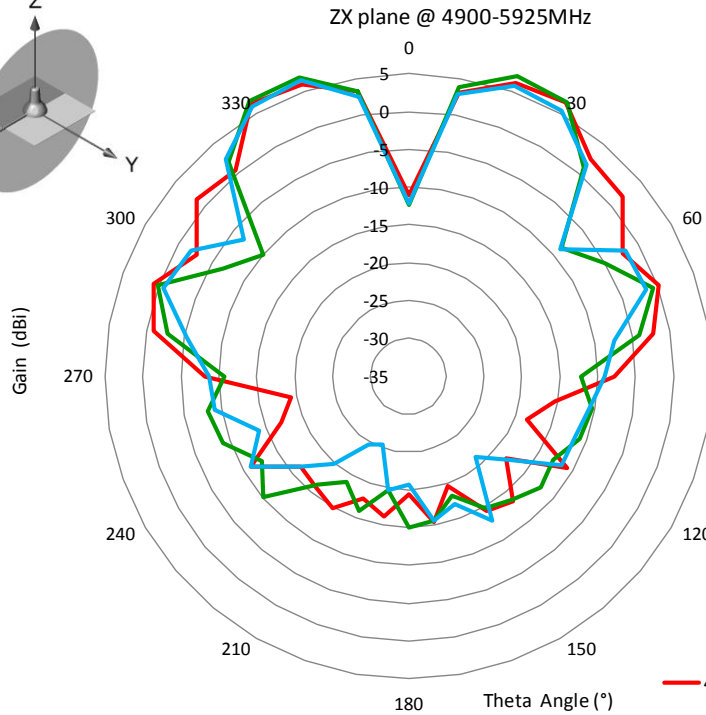
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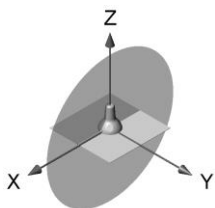
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12" cable



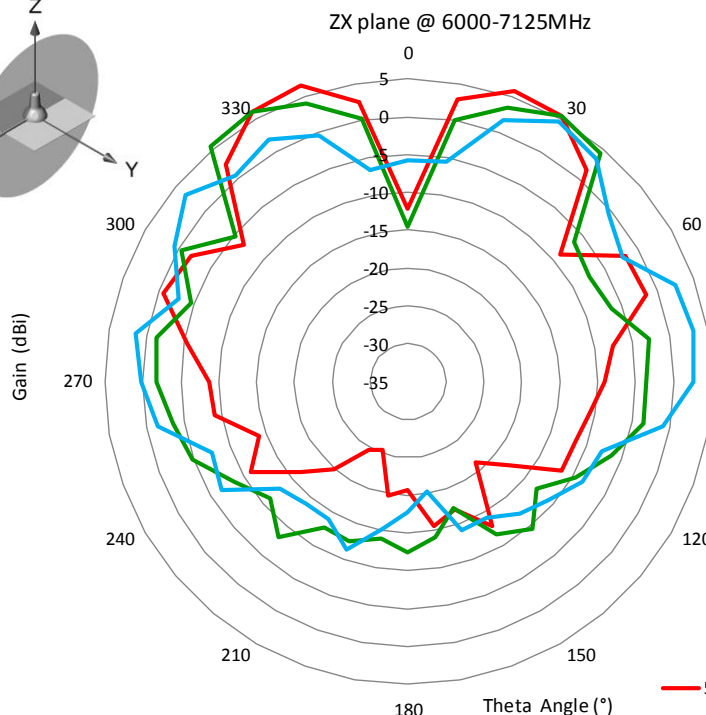
4900  
Avg (dBi) = -0.36  
Peak (dBi) = 6.70  
Avg -3 (deg) = 27

5400  
Avg (dBi) = -0.46  
Peak (dBi) = 7.21  
Avg -3 (deg) = 25

5925  
Avg (dBi) = -1.18  
Peak (dBi) = 6.54  
Avg -3 (deg) = 26



Measured on 12" SQ Ground Plane  
12" cable



5900  
Avg (dBi) = -1.18  
Peak (dBi) = 6.54  
Avg -3 (deg) = 26

6400  
Avg (dBi) = -1.09  
Peak (dBi) = 6.13  
Avg -3 (deg) = 29

7125  
Avg (dBi) = -1.23  
Peak (dBi) = 4.63  
Avg -3 (deg) = 26

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## PACKAGING

1PCS/ Foam bag  
12PCS/Carton box



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