






Outdoor
5G/4G Direct Mount Salt Shaker Dipole Antenna
LPTNGPDC600/71DMN and LPTNGPDC600/71DMNW – 617 to 7125 MHz



Features & Applications:

-  WiFi 6E, 4G/5G FR1
-  Includes Band 71 (617-698MHz) and CBRs Bands 42 and 48 (3.4-3.7GHz)
-  Utility boxes
-  Smart metering
-  IoT Devices

Electrical specifications @ 25° C

Frequency Bands – 617-960/1710-2700/3300-4200/4400-5000/5150-5925/6000-7125 MHz

Antenna type ²	Nominal Impedance	Polarization	Radiation pattern	Power withstanding	DC Ground
Dipole	50Ω	Vertical	Omni	10W	Yes

Frequency (MHz)	617-960	1710-2700	3300-4200	4400-5000	5150-5925	6000-7125
VSWR	3.5:1	2:1	2:1	2:1	2:1	2:1
Average Peak Gain (dBi)	-1.7	2.6	4.2	3.0	3.4	3.7
Average Efficiency (%)	41	69	77	67	65	70
HPBW Vertical Plane (°)	93	60	40	60	60	35

Mechanical Specifications

LPTNGPDC600/71DMN or LPTNGPDC600/71DMNW³

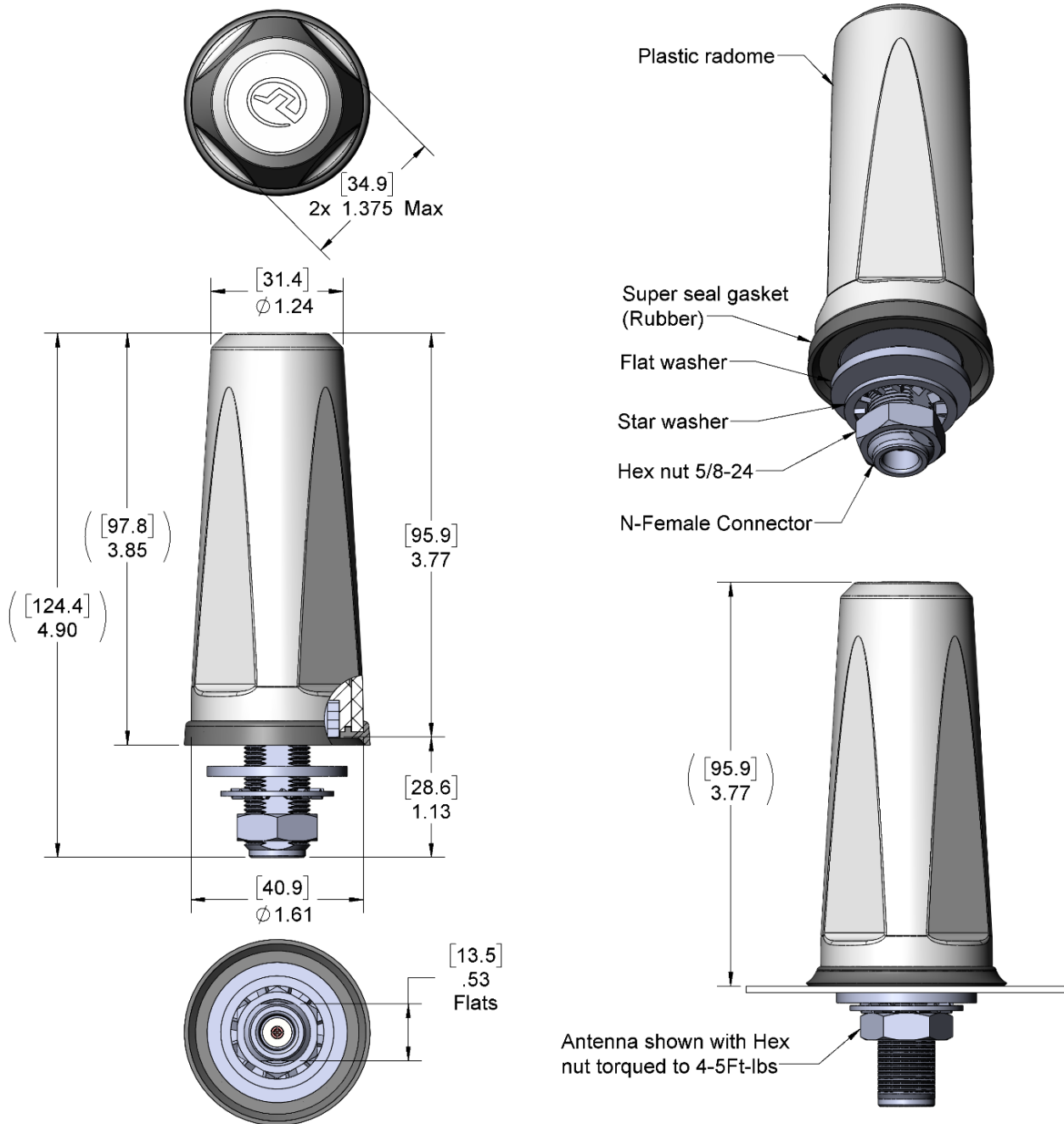
Size (Diameter x Height)	Color	Weight	Connector Type	Fixing System ⁴
40.9 (1.61") x 95.9 (3.77") mm	Black or White	163grms (0.36lbs)	N-Female	Direct Mount
Housing Material	Operating Temperature	Ingress Protection	RoHS-6 Compliant	
PET+PC, UV rated	-40°C to +85°C	IP67	Yes	

Notes:

1. Storage Temperature: -40°C to 85°C
2. Measured without ground plane.
3. LPTNGPDC600/71DMN comes in black, for white add the suffix W and PN becomes LPTNGPDC600/71DMNW
4. Ø15.9mm (0.625") mounting hole required.

Mechanical Drawing

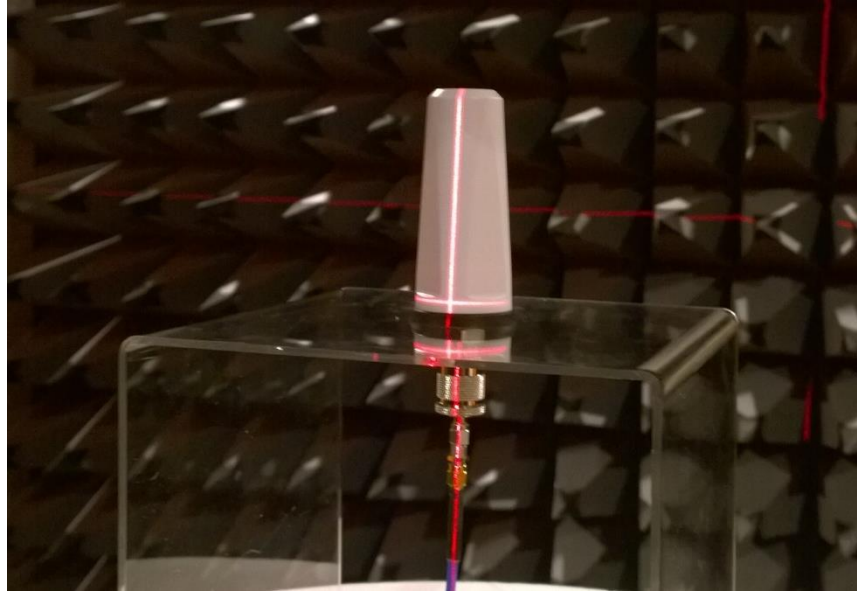
LPTNGPDC600/71DMN (W)



Dimensions: Inches (mm)
 Unless otherwise specified, all tolerances are ± 0.010 (0.25mm)

Test Setup

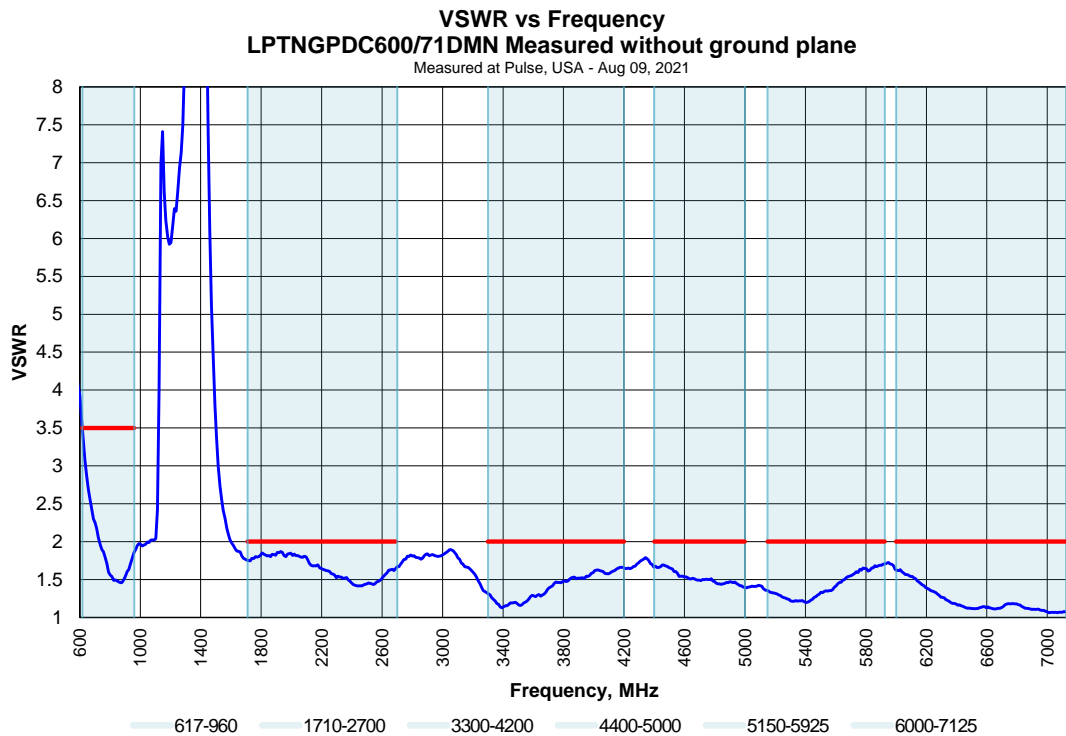
LPTNGPDC600/71DMN (W)



LPTNGPDC600/71DMN (W) antenna sample measured without ground plane.

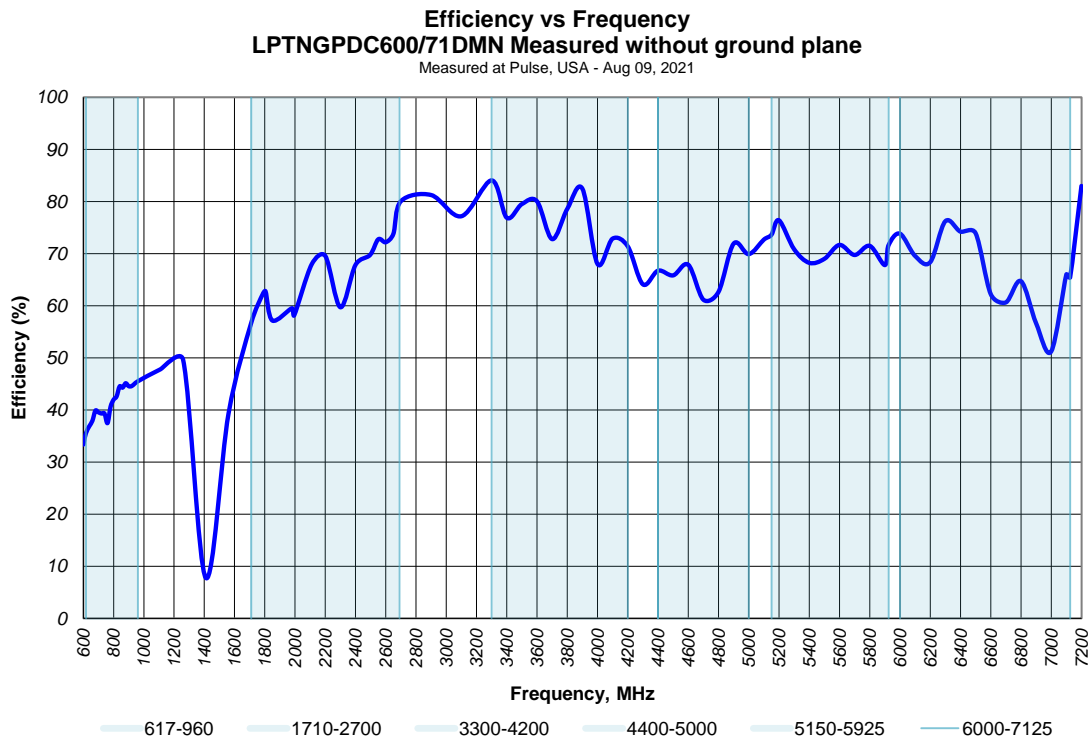
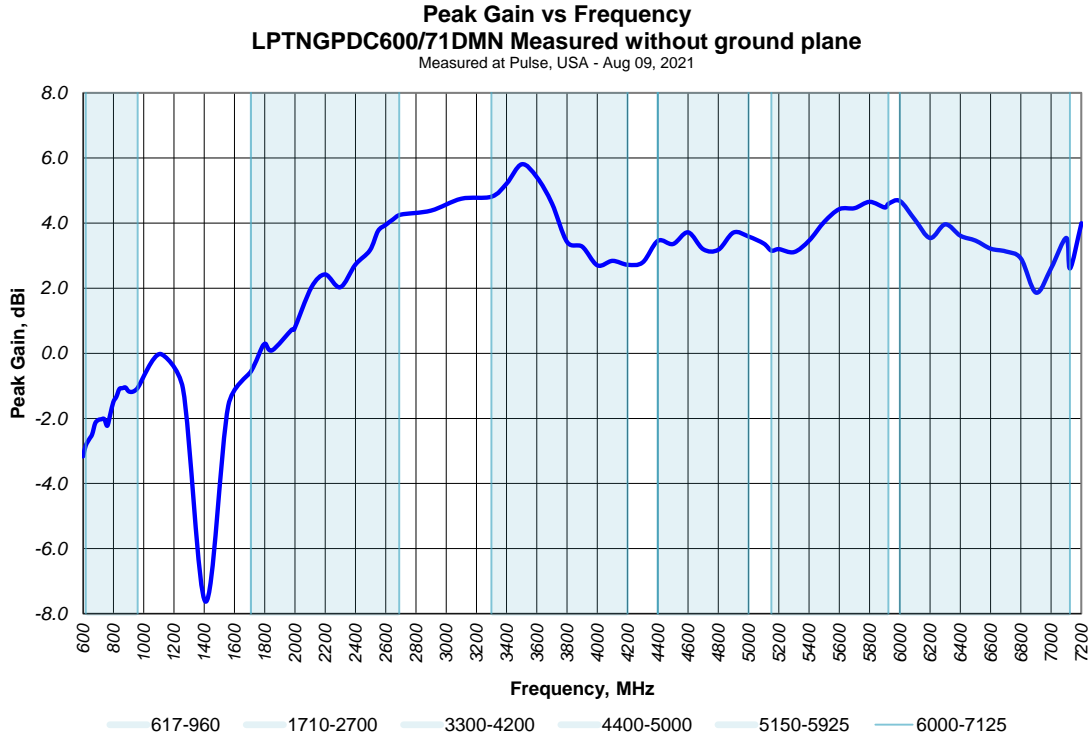
Charts- VSWR

LPTNGPDC600/71DMN (W)



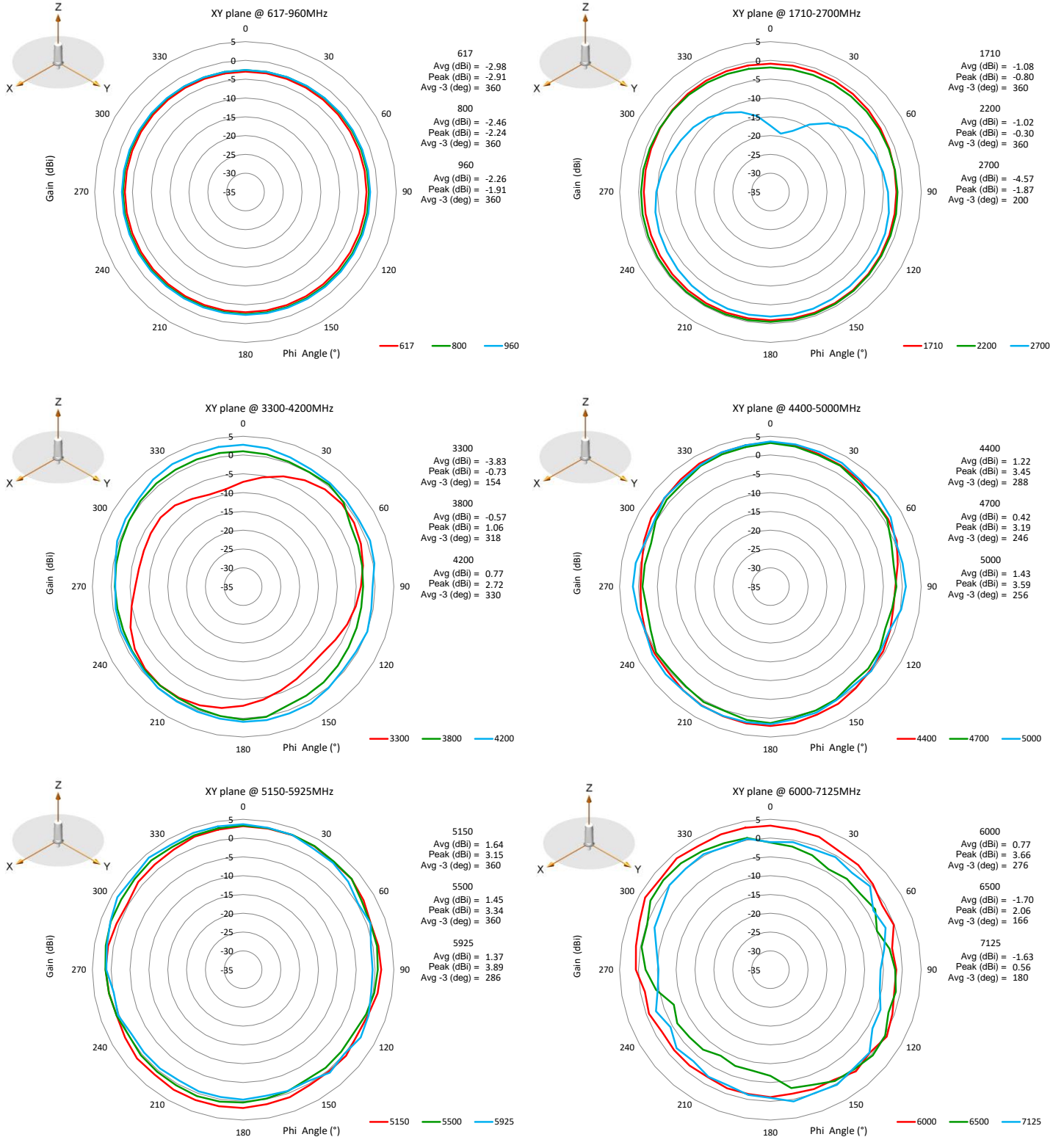
Charts- Peak Gain and Efficiency

LPTNGPDC600/71DMN (W)



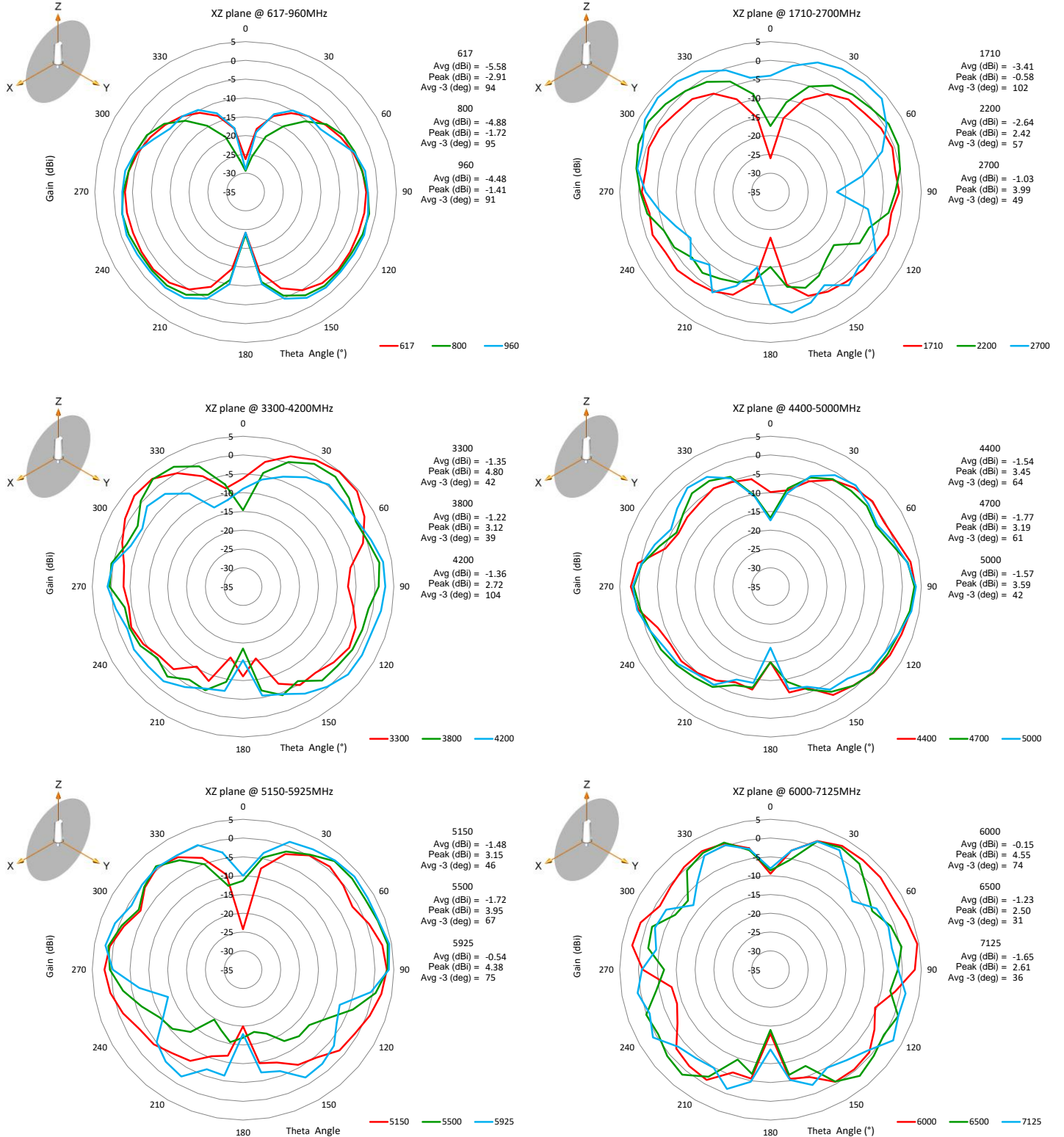
Charts- XY Gain Plots

LPTNGPDC600/71DMN (W)



Charts – XZ Gain Plots

LPTNGPDC600/71DMN (W)



Packaging

LPTNGPDC600/71DMN (W)

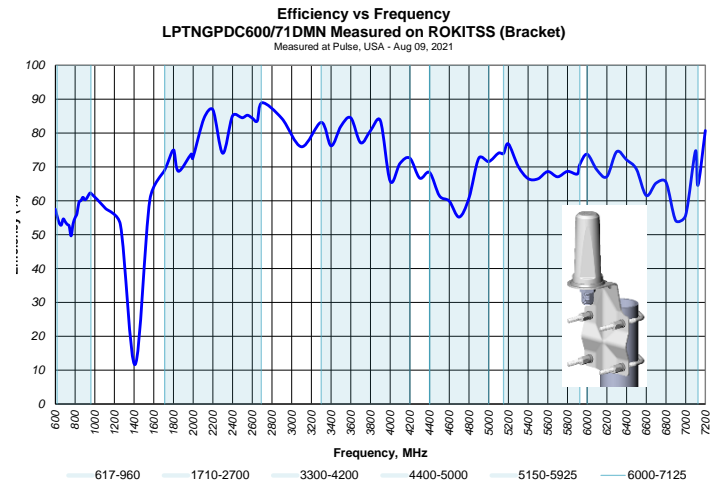
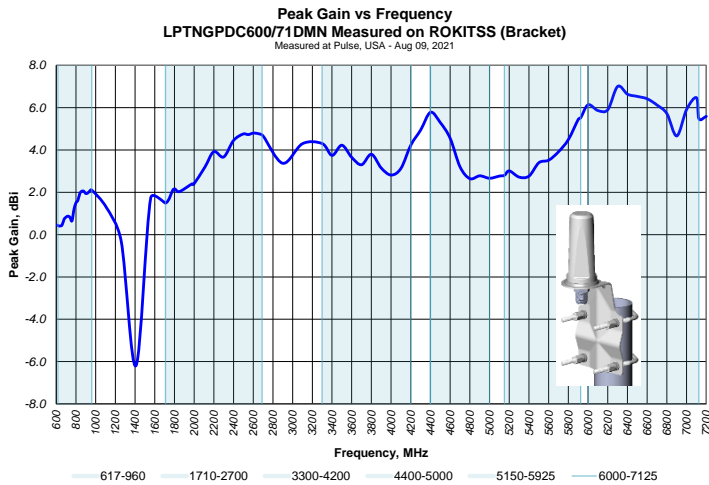
Packaging info:

- 1 antenna packed in a plastic bag.
- 1 label on each plastic bag with part number, description, date code.

Additional Product Info

LPTNGPDC600/71DMN (W)

LPTNGPDC600/71DMN Kitted with ROKITSS (Reference only, Bracket not included)



Family Products – LPT (Low Profile Transit)

5G / 4G LPT Products

Orderable PN	Connector Type	DC Ground (DCG)	Color
LPT600/71DMN (or LPT600/71DMNW)	N-Female	No	Black (or White)
LPTDCG600/71DMN (or LPTDCG600/71DMNW)	N-Female	Yes	Black (or White)
LPTNGP600/71DMN (or LPTNGP600/71DMNW) ¹	N-Female	No	Black (or White)
LPTNGPDC600/71DMN (or LPTNGPDC600/71DMNW) ¹	N-Female	Yes	Black (or White)
LPT600/71NM (or LPT600/71NMW)	N-Male	No	Black (or White)
LPTDCG600/71NM (or LPTDCG600/71NMW)	N-Male	Yes	Black (or White)
LPT600/71NMO (or LPT600/71NMO)	NMO-Pogo	No	Black (or White)
LPTDCG600/71NMO (or LPTDCG600/71NMO)	NMO-Pogo	Yes	Black (or White)

Notes:

- 'NGP' stands for 'No Ground Plane'. LPTNGP600/71DMN or LPTNGP600/71DMNW is a ground independent antenna. Antenna was tuned without a ground plane.
- Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:

Americas - antennas.us@pulseelectronics.com | Europe – antennas.eu@pulseelectronics.com | Asia – antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
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