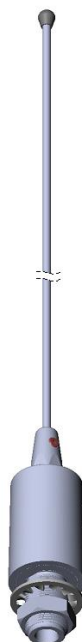


Base Station
VHF – Direct Mount Antenna
DM220C – 217-222 MHz



Features & Applications:

-  217-222 MHz
-  Peak gain 1.6dBi
-  Height 26.43 (671.3mm)
-  Connector, N-Female
-  Utility boxes
-  Smart metering
-  IoT Devices

Electrical specifications @ 25° C¹

Frequency Band – 217-222 MHz

Antenna type	Nominal Impedance	Polarization	Radiation pattern	Power withstanding	DC Ground
End fed ½ wave	50Ω	Vertical	Omni	40W	No

Frequency (MHz)	217-222
VSWR	1.5:1
Average Peak Gain (dBi)	1.6
Average Efficiency (%)	90
HPBW Vertical Plane (°)	81

Mechanical Specifications

DM220C

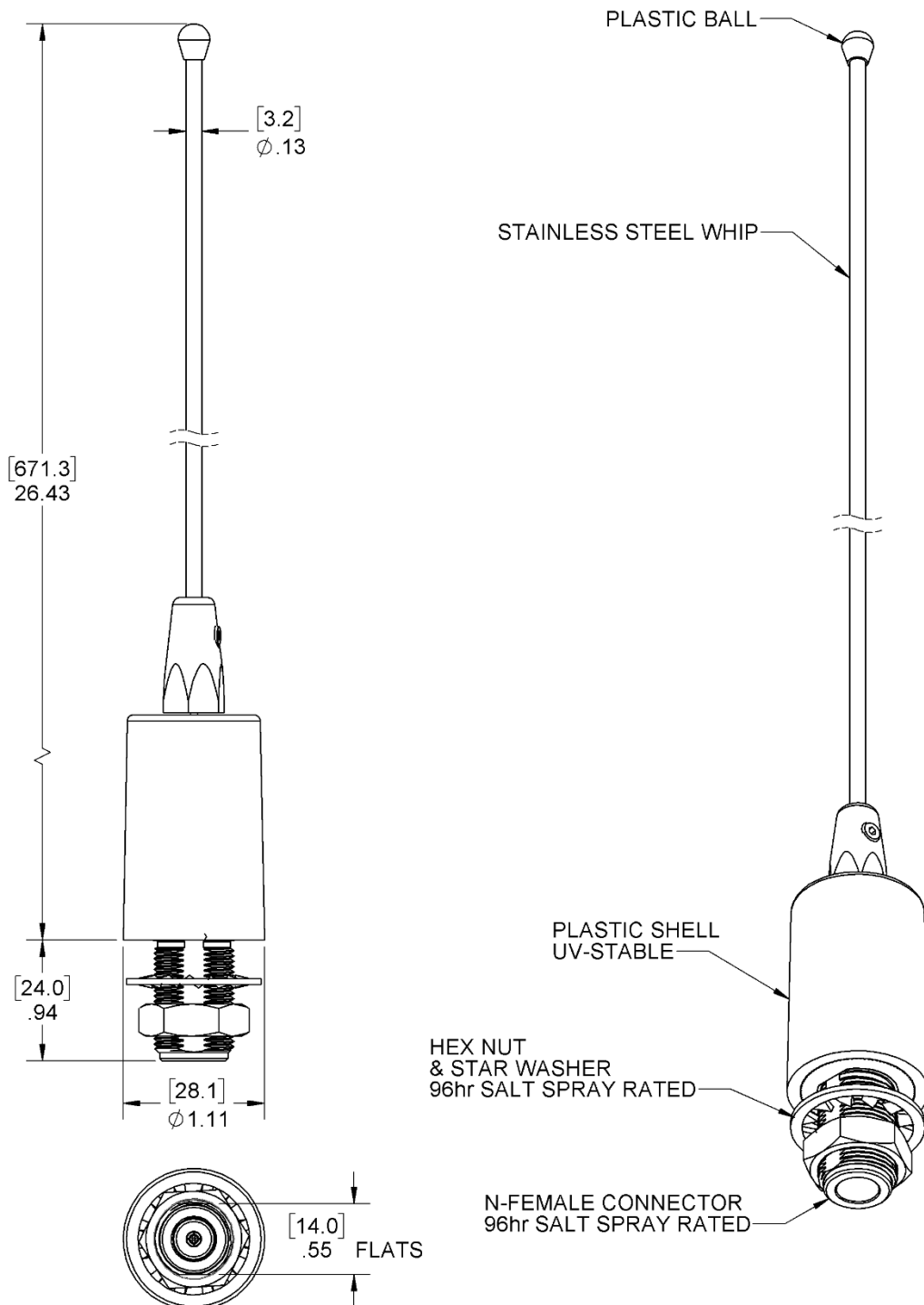
Size (Height x Base Dia.)	Color	Weight	Connector Type	Mounting Type
26.43" (671.3mm) x 1.11" (28.1mm)	S.S. / White	0.3 lbs (126grms)	N-Female	Direct
Base Housing Material	Operating Temperature	Storage Temperature	Ingress Protection	RoHS-6 Compliant
PET+PC, UV Stable	-40°C to +85°C	-40°C to +85°C	IP67	Yes

Notes:

1. Measured in free space.

Mechanical Drawing

DM220C



Dimensions: Inches (mm)

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

Test Setup

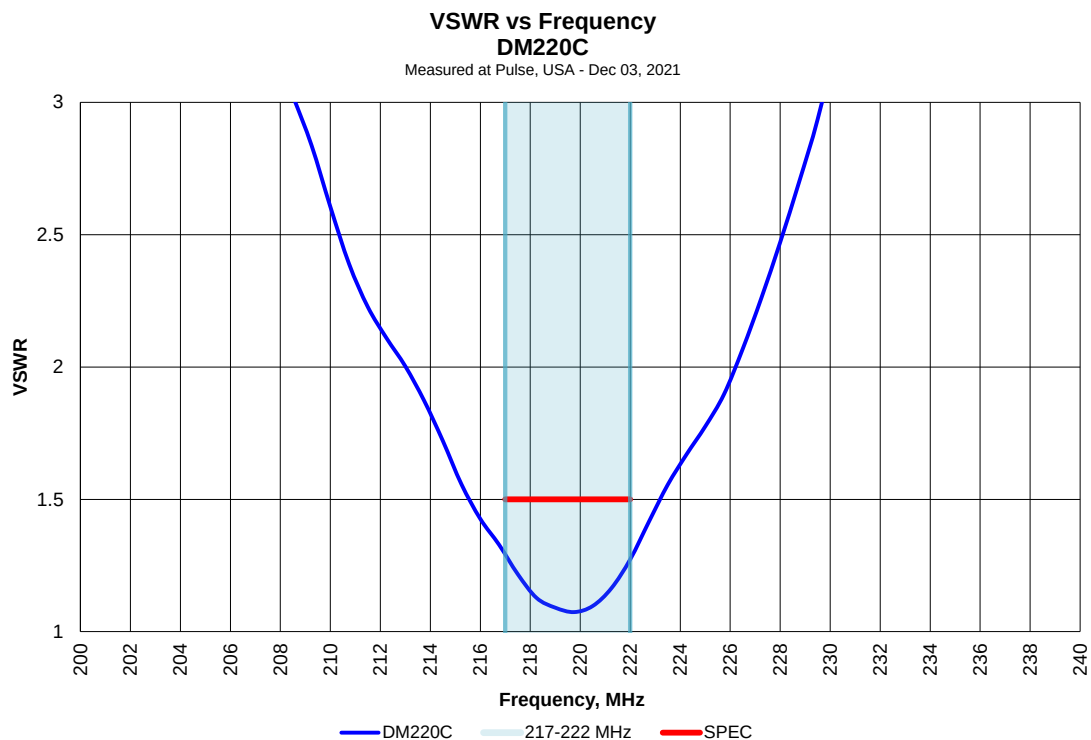
DM220C



DM220C antenna sample measured in free space

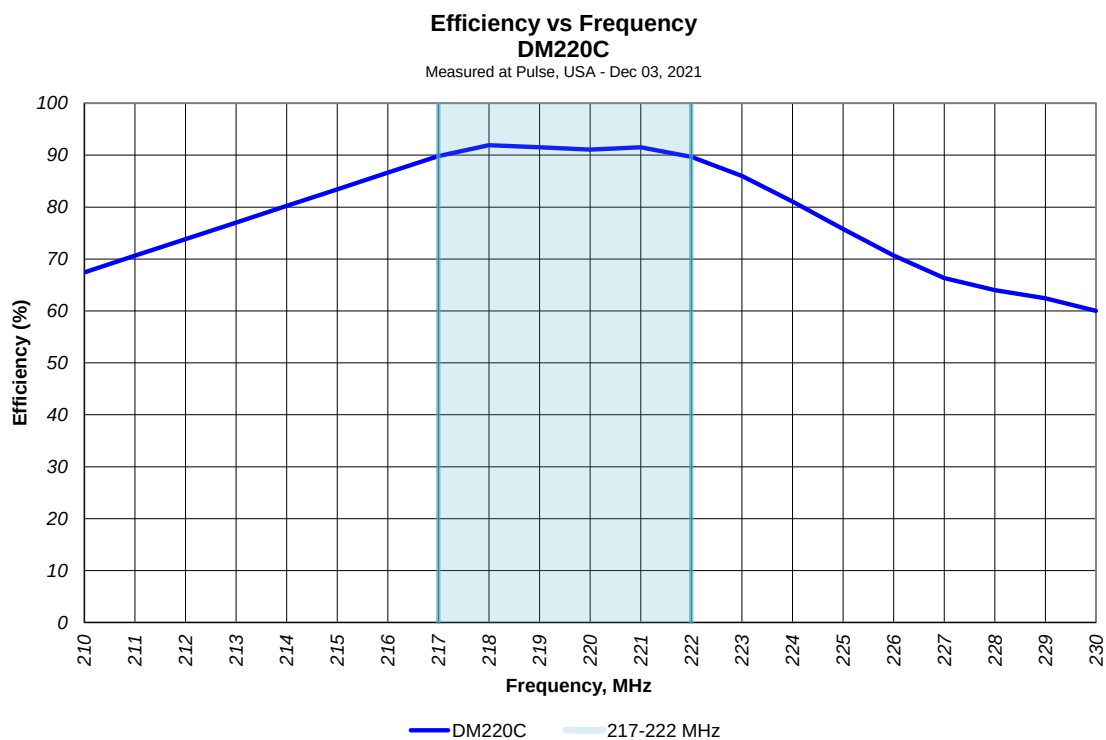
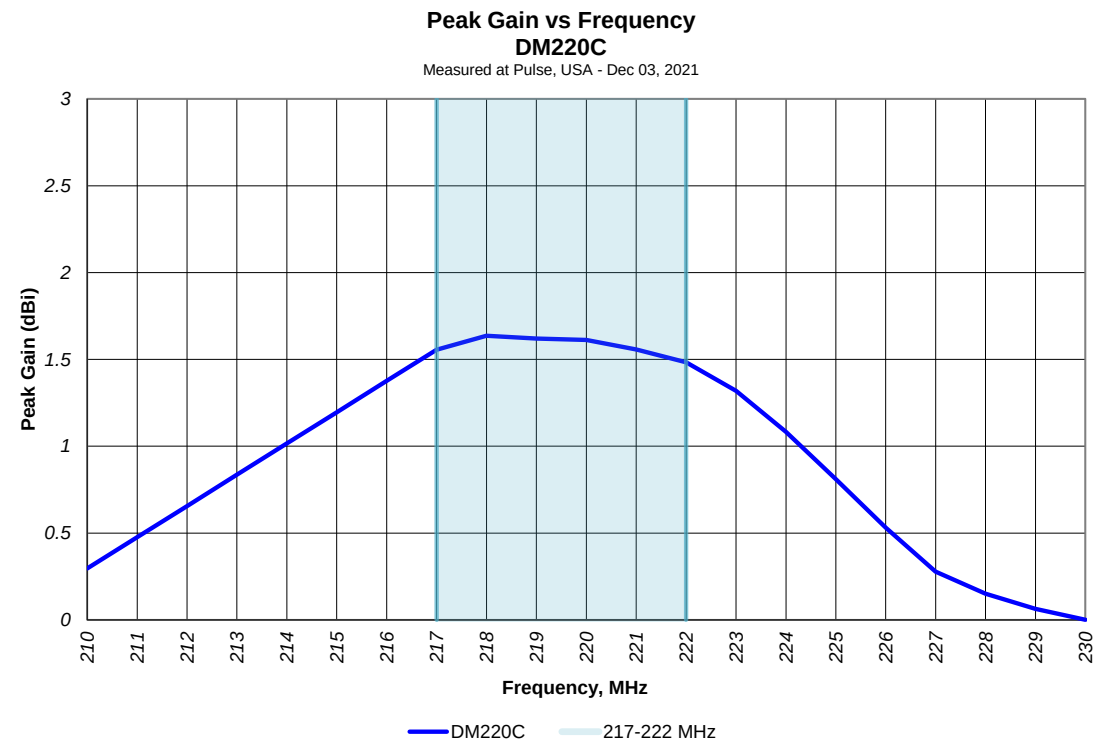
Charts- VSWR

DM220C



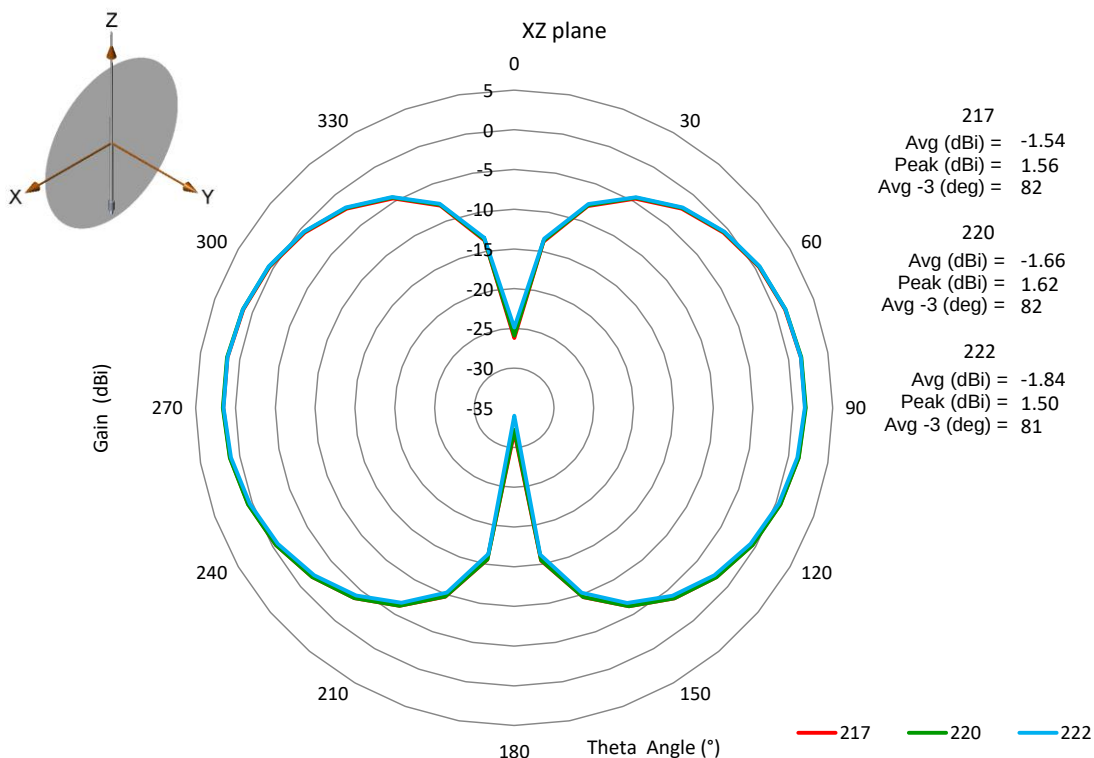
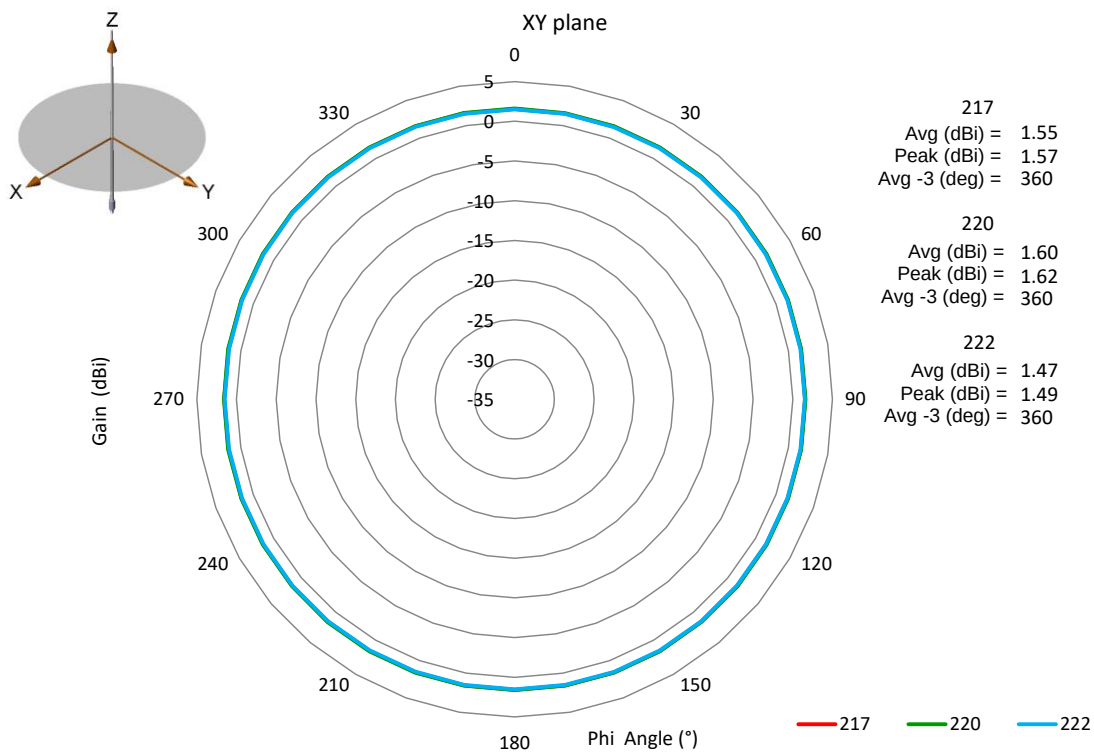
Charts- Peak Gain and Efficiency

DM220C



Charts- XY and XZ Gain Plots

DM220C



Packaging

DM220C

Packaging info:

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

Notes:

1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:

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