







# Outdoor

## Low profile direct mount Antenna

SKF450DM – 440-470 MHz



### Features & Applications:

-  Vehicle roof mount, directly on metal plane
-  440-470MHz
-  Cable length and connector type per request
-  Available in Black (P/N SKF450DM) or White (P/N SKF450DMW)
-  Heavy and light vehicles
-  IoT, navigation, tracking

### Electrical specifications @ 25° C

#### Frequency Band – 440-470 MHz

Antenna type <sup>1</sup>	Nominal Impedance	Polarization	Radiation pattern	Power withstanding	DC Ground
Dipole	50Ω	Vertical	Omni	100W	Yes

Frequency (MHz)	440-470
VSWR W/17FT (5.2M) Cable	2:1
Peak Gain (dBi)	2.2
Efficiency (%)	75
HPBW Vertical Plane (°)	62

### Mechanical Specifications

SKF450DM				
Size W/H/L	Color	Weight	Cable / Connector Type	Fixing System <sup>2</sup>
52.5 (2.07") x 63.6 (2.50") x 178.3 (7.02") mm	Black	375grms (0.83lbs)	RG-58 / SMA-Male	Direct Mount
Housing Material	Operating Temperature	Storage Temperature	Ingress Protection	RoHS-6 Compliant
UV Protected Plastic	-40°C to +85°C	-40°C to +85°C	IP67	Yes

#### Notes:

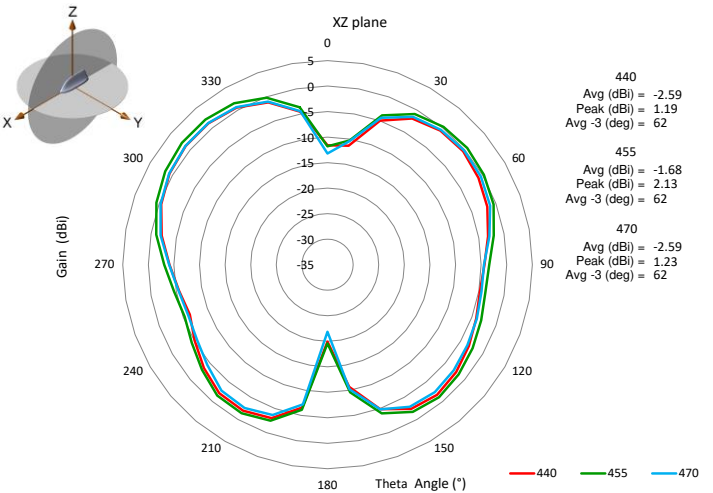
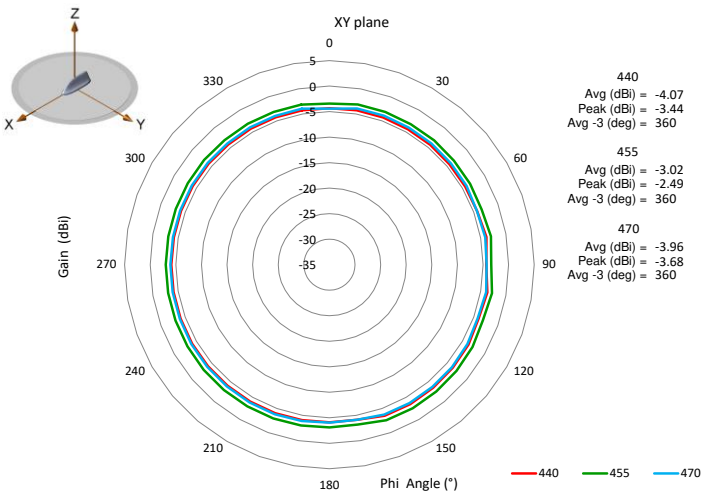
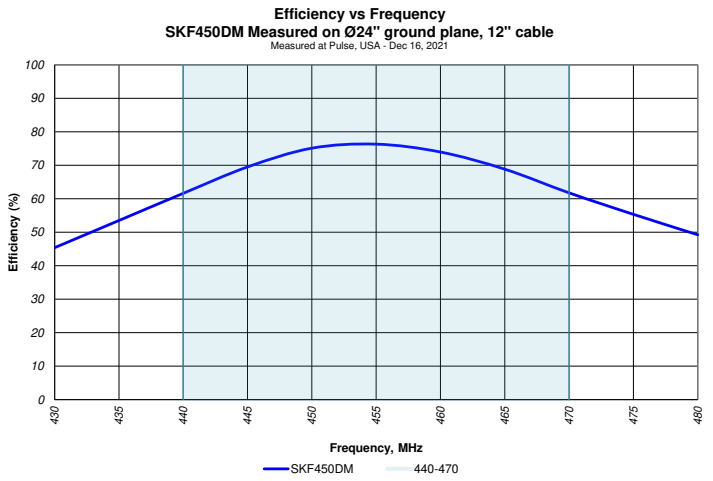
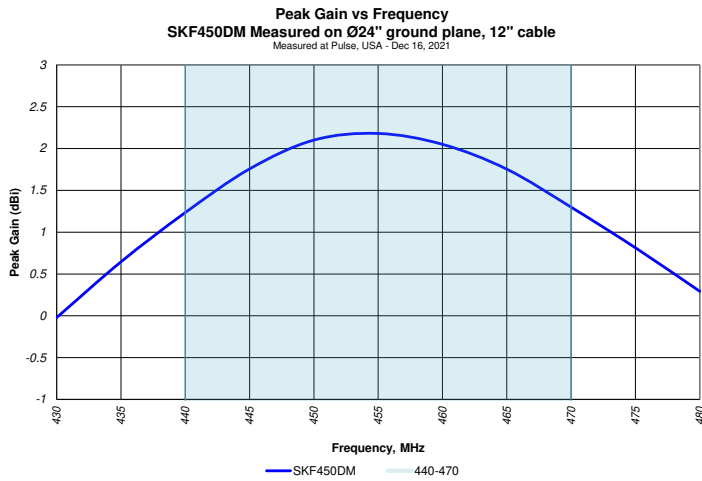
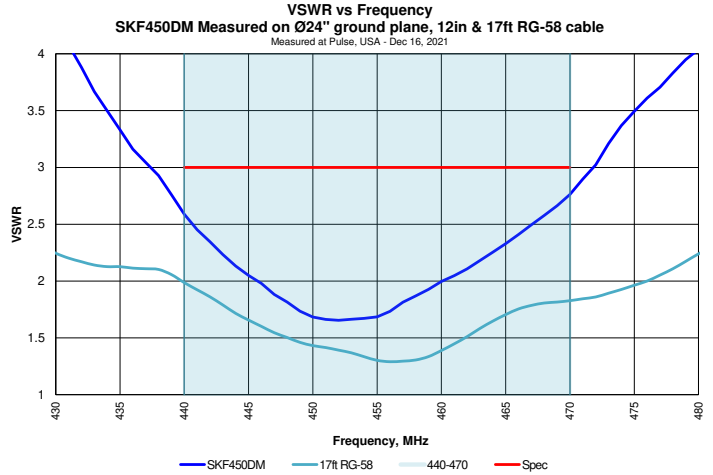
1. Measured on Ø24" (609.6mm) ground plane.
2. Requires Ø.875" (22.3mm) hole.

Test Setup / Charts

SKF450DM

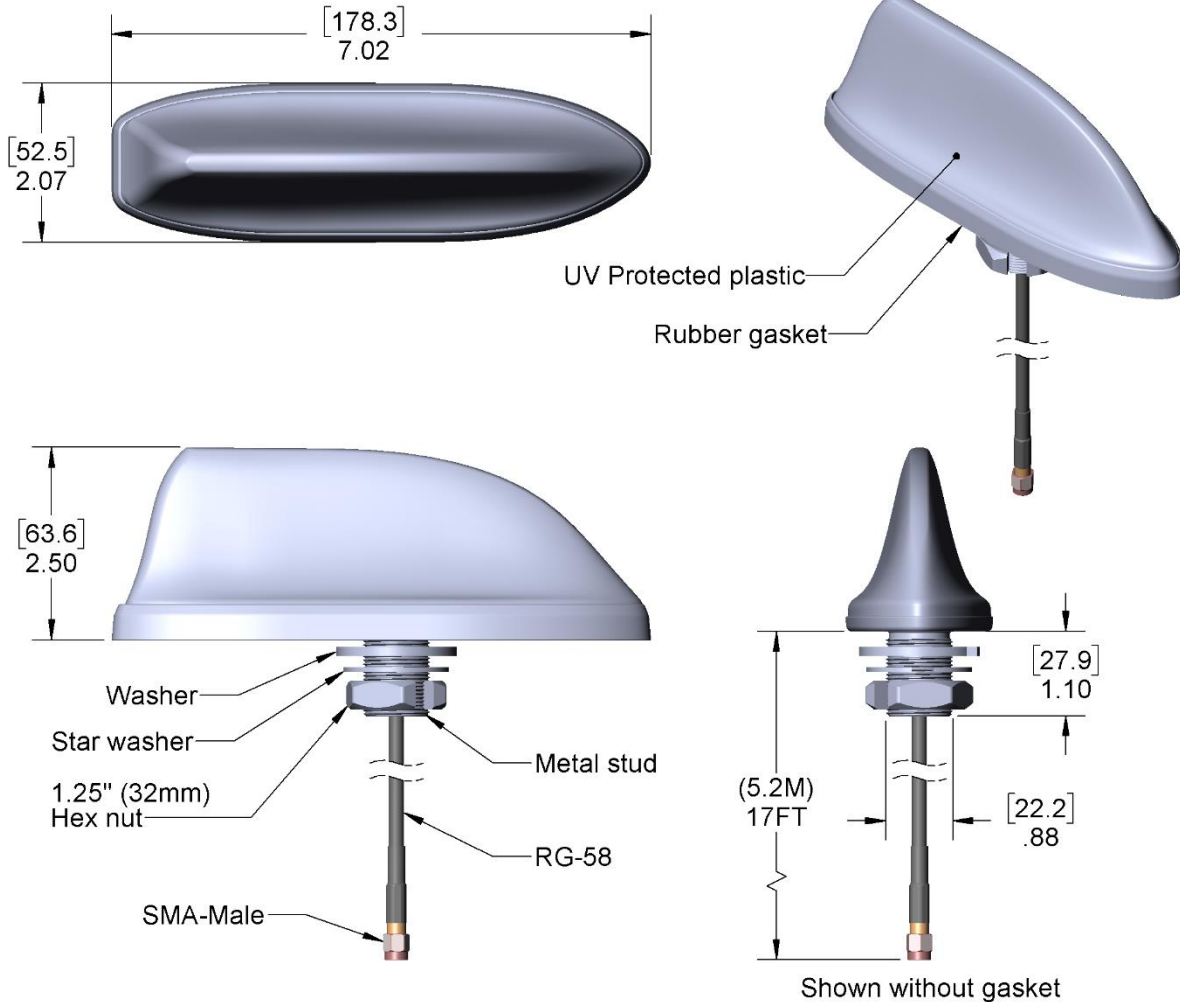


antenna sample measured on Ø24" (609.6mm) ground plane



Mechanical Drawing

SKF450DM



**Dimensions:** Inches (mm)  
 Unless otherwise specified, all tolerances are ±.010 (0.25mm)

Packaging

SKF450DM

**Packaging info:**

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

**Notes:**

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

**For More Information:**

Americas - [antennas.us@pulseelectronics.com](mailto:antennas.us@pulseelectronics.com) | Europe – [antennas.eu@pulseelectronics.com](mailto:antennas.eu@pulseelectronics.com) | Asia – [antennas.as@pulseelectronics.com](mailto:antennas.as@pulseelectronics.com) | Questions? +1-800-ANTENNA  
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