

# Outdoor

## Low profile direct mount Antenna

SKF490DM – 470-512 MHz



### Features & Applications:

- Vehicle roof mount, directly on metal plane
- 470-512MHz
- Cable length and connector type per request
- Available in Black (P/N SKF490DM) or White (P/N SKF490DMW)
- Heavy and light vehicles
- IoT, navigation, tracking

### Electrical specifications @ 25° C

#### Frequency Band – 470-512 MHz

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

Frequency (MHz)	470-512
VSWR W/17FT (5.2M) Cable	2.2:1
Peak Gain (dBi)	2.2
Efficiency (%)	85
HPBW Vertical Plane (°)	72

### Mechanical Specifications

SKF490DM				
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:

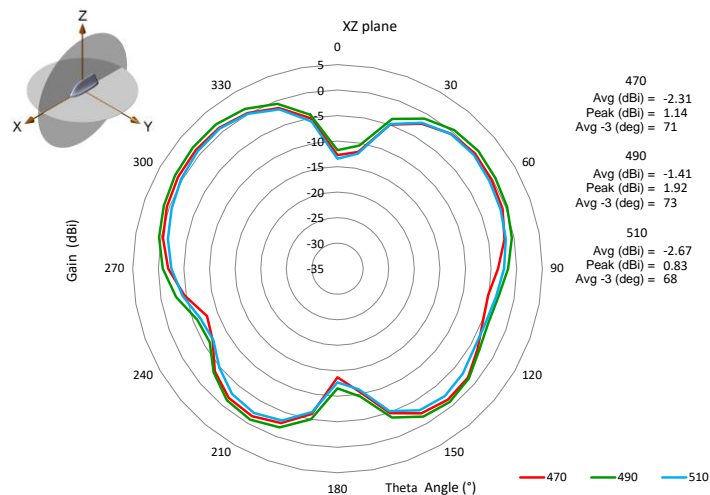
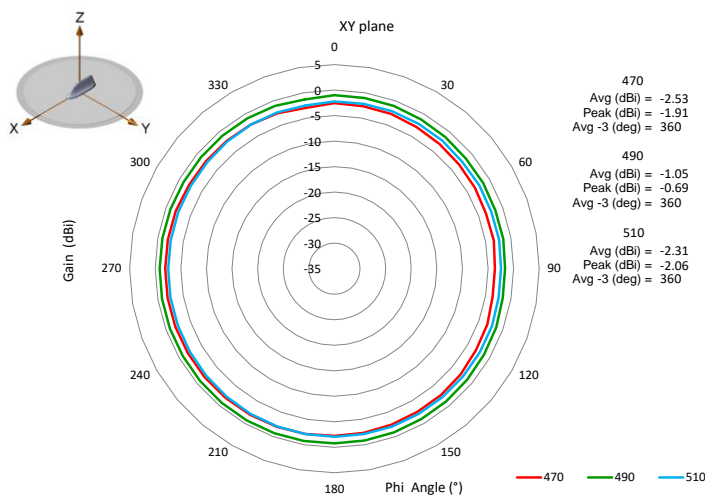
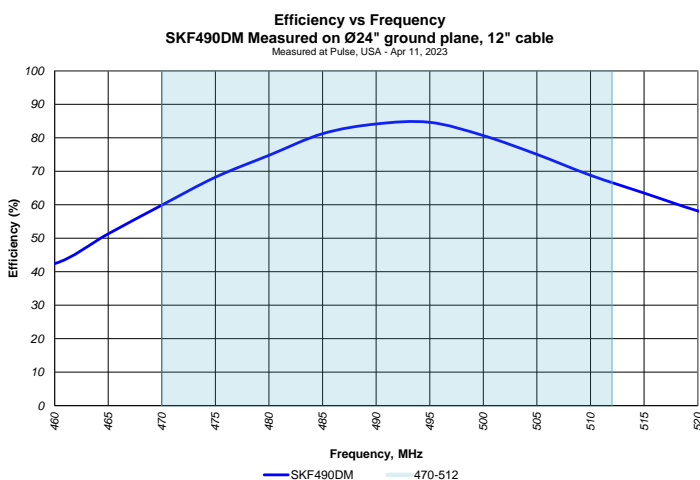
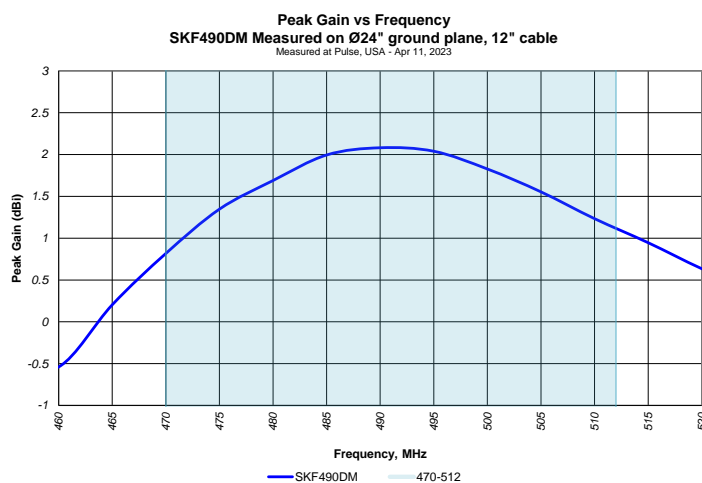
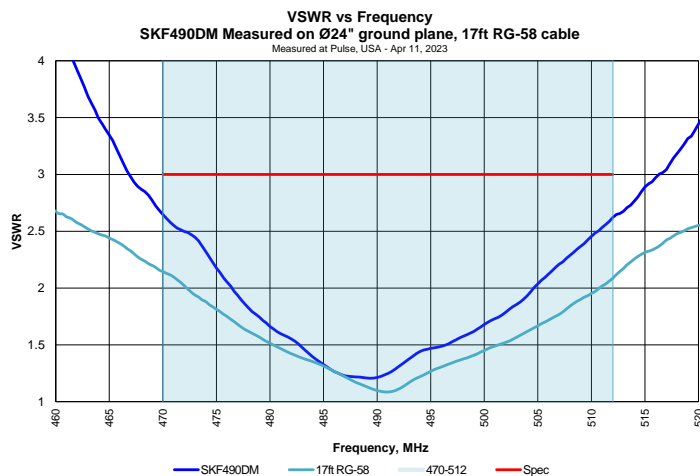
- Measured on Ø24" (609.6mm) ground plane.
- Requires Ø.875" (22.3mm) hole.

## Test Setup / Charts

### SKF490DM

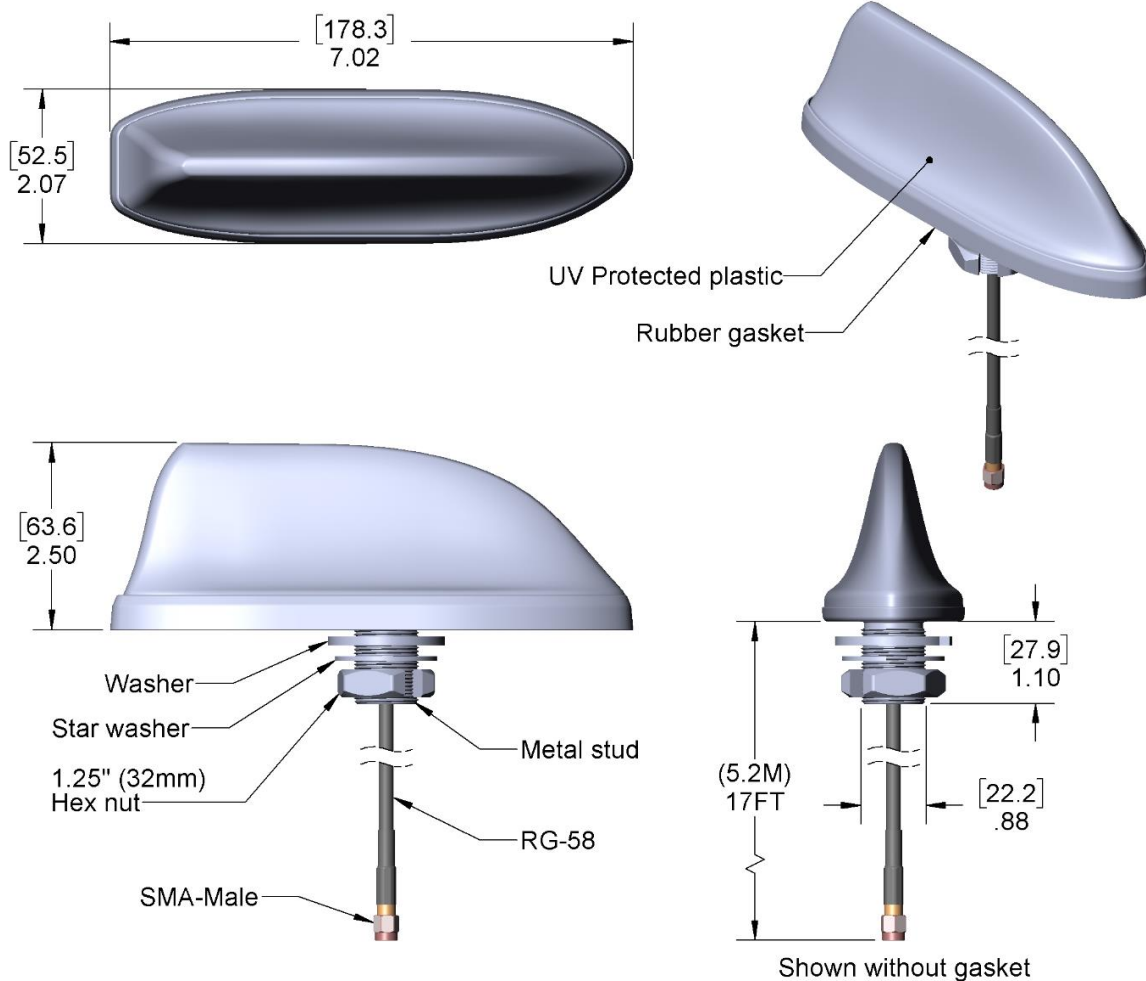


antenna sample measured on  
Ø24" (609.6mm) ground plane



## Mechanical Drawing

### SKF490DM



**Dimensions:** Inches (mm)

Unless otherwise specified, all tolerances are  $\pm 0.010$  (0.25mm)

## Packaging

### SKF490DM

#### 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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