

Outdoor Low profile direct mount Antenna

SKF450DM – 440-470 MHz



YAGEO
GROUP

Features & Applications:

- Vehicle roof mount, directly on metal plane
- 440-470MHz
- Cable / length; RG-58 / 17ft (5.2m)
- Connector; SMA-Male
- 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 ¹	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	2.5:1
Peak Gain (dBi)	1.5
Efficiency (%)	63
HPBW Vertical Plane (°)	62

Mechanical Specifications

SKF450DM	Size W/H/L	Color	Weight	Cable / Connector Type	Fixing System ²
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:

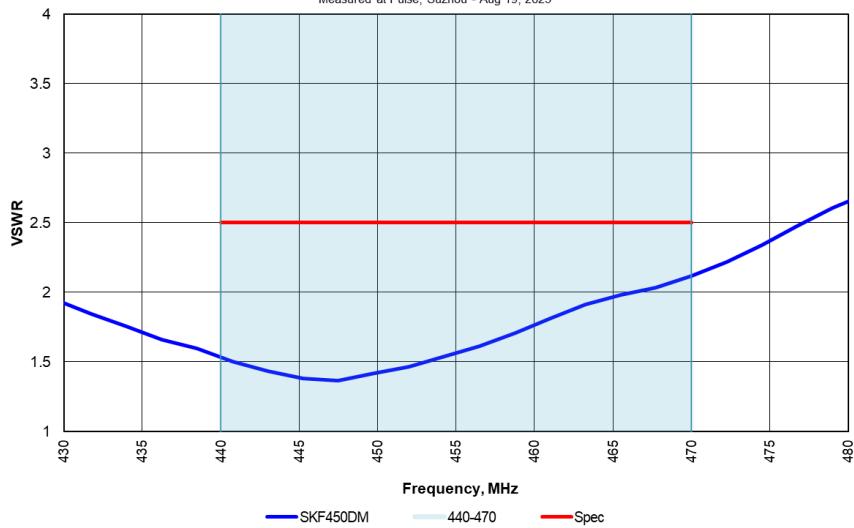
1. Measured on Ø30" (762mm) ground plane.
2. Requires Ø.875" (22.3mm) hole.

Test Setup / Charts

SKF450DM



VSWR vs Frequency
SKF450DM Measured on Ø30" ground plane, 17ft RG-58 cable
Measured at Pulse, Suzhou - Aug 19, 2025

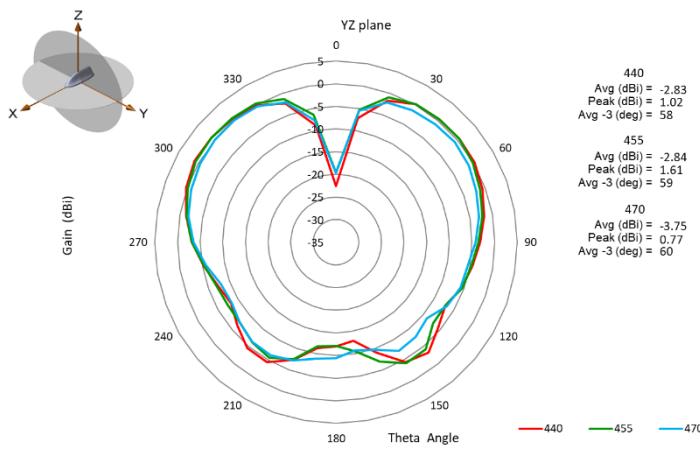
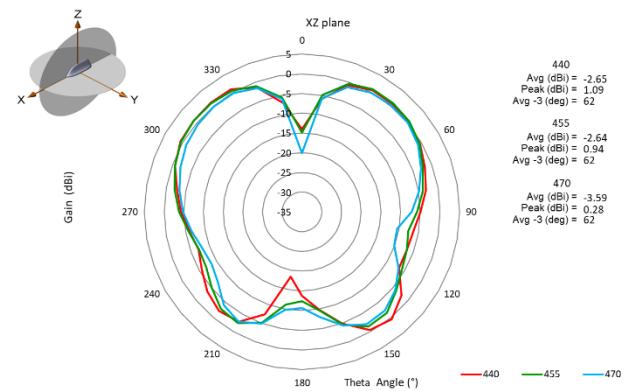
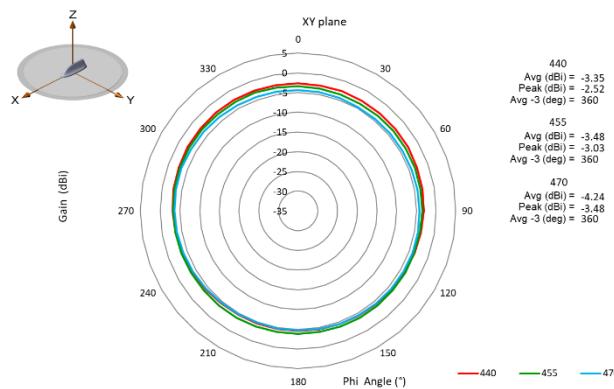
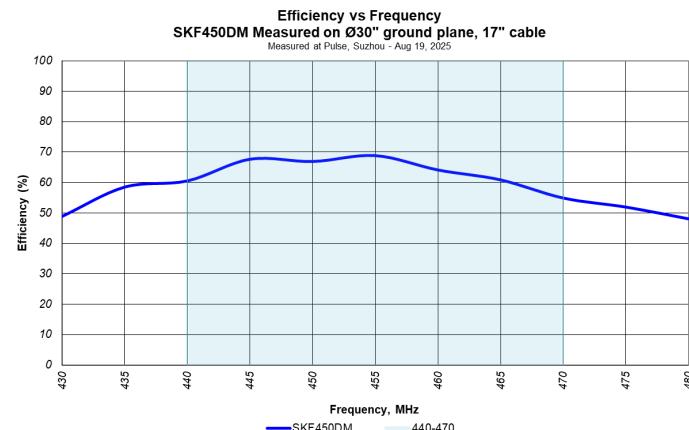
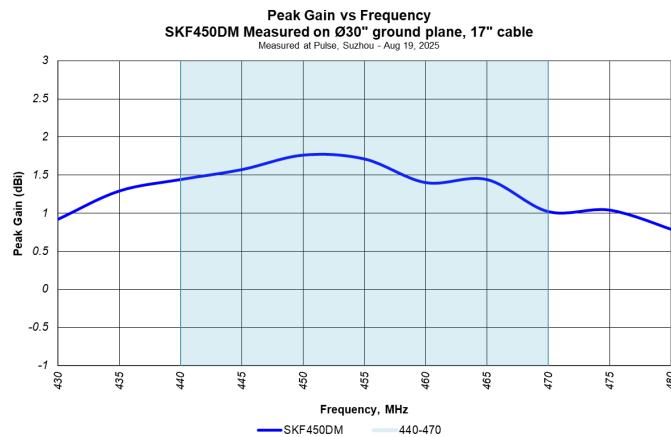


- antenna sample measured on Ø30" ground plane

Outdoor Low profile direct mount Antenna

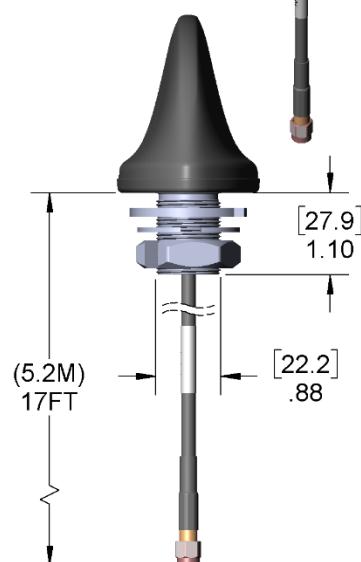
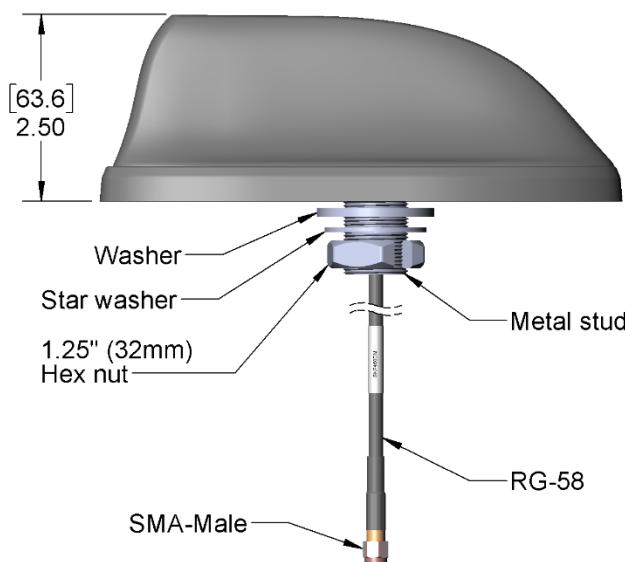
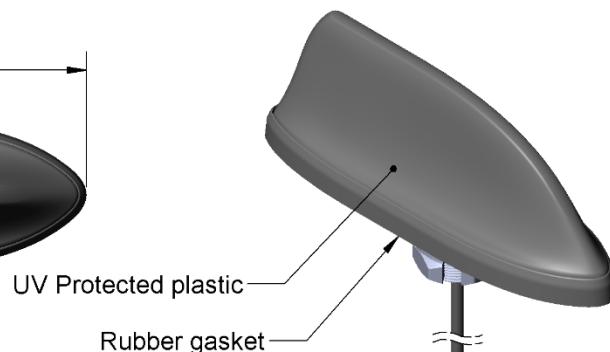
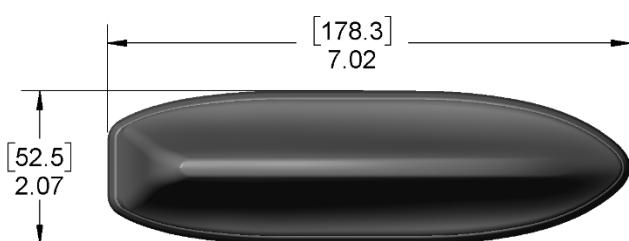
SKF450DM – 440-470 MHz

YAGEO GROUP



Mechanical Drawing

SKF450DM



Shown without gasket

Dimensions: Inches (mm)

Unless otherwise specified, all tolerances are $\pm .020$ (0.5mm)

Packaging

SKF450DM

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:

Americas - antennas.us@pulseelectronics.com | Europe - antennas.eu@pulseelectronics.com | Asia - antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright , 2020. Pulse Electronics, Inc. All rights reserved.

Company address: Pulse Electronics, a YAGEO Company, 15255 Innovation Drive, Suite #100, San Diego, CA 92128

'YAGEO Corporation and its affiliates do not recommend the use of commercial, automotive, and/or COTS grade products for high reliability applications or manned space flight.'