chanhvinh.com

# Outdoor

## *Low profile direct mount Antenna*

*SKF450DM – 440-470 MHz*



## *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.

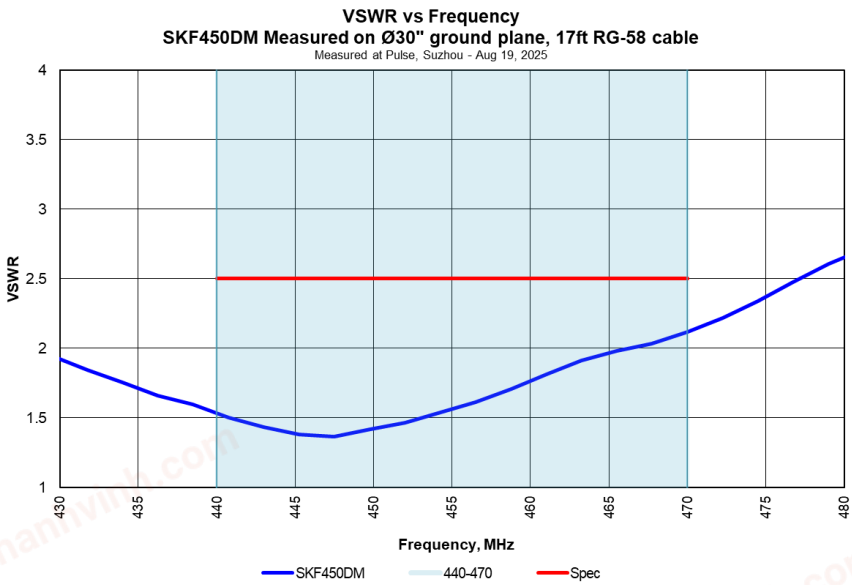
chanhvinh.com



## Test Setup / Charts

**SKF450DM**



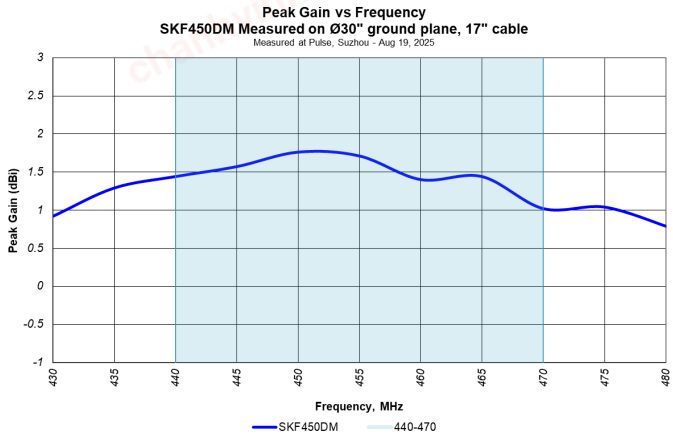


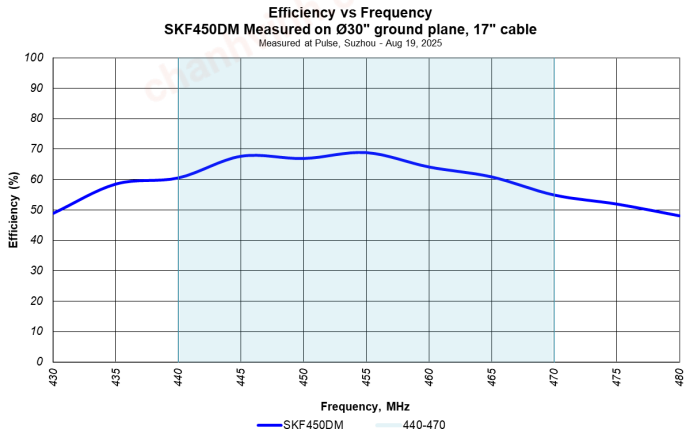

- ***antenna sample measured on Ø30" ground plane***

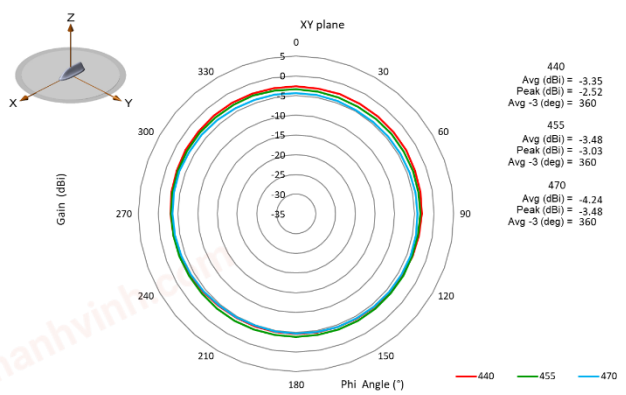
# Outdoor

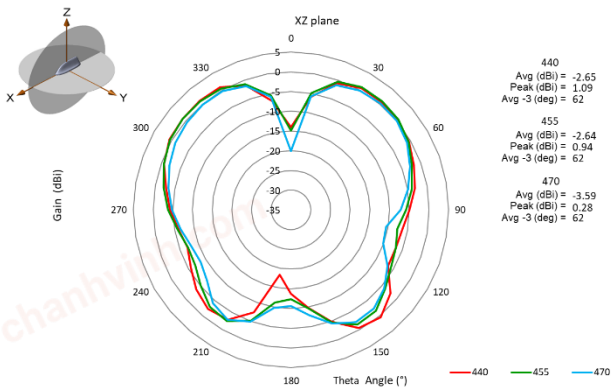
## *Low profile direct mount Antenna*

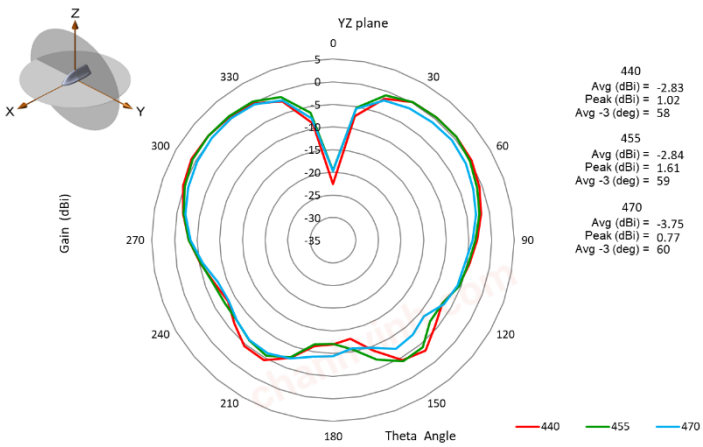
*SKF450DM – 440-470 MHz*



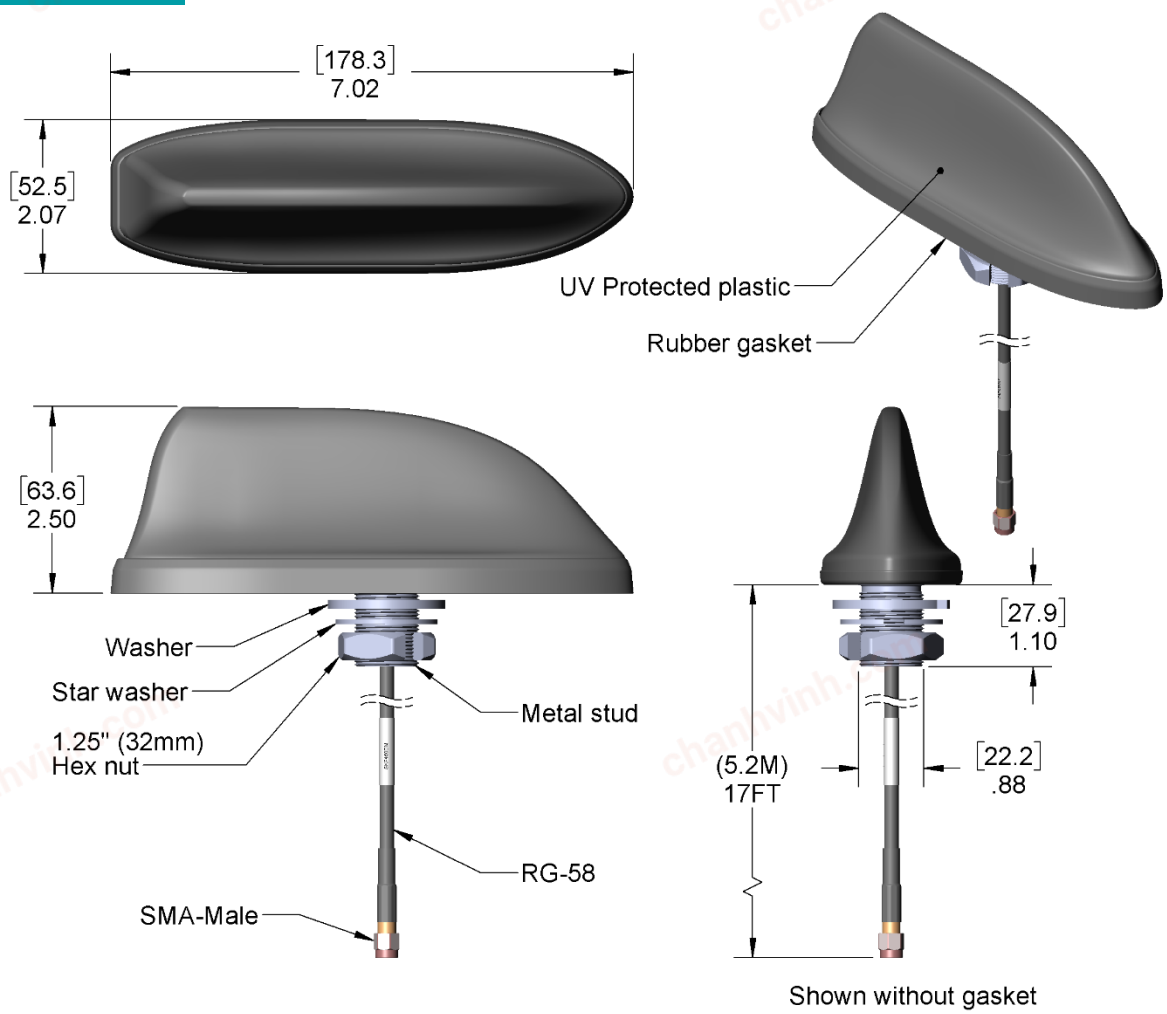



chanhvinh.com



## Mechanical Drawing

**SKF450DM**




**Dimensions:** Inches (mm)
Unless otherwise specified, all tolerances are ±.020 (0.5mm)

chanhvinh.com



## 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.'***