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Outdoor

Low profile direct mount Antenna

SKF490DM – 470-512 MHz

Pulse
a YAGEO company



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[1]	**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[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 Ø24” (609.6mm) ground plane.
2. Requires Ø.875” (22.3mm) hole.

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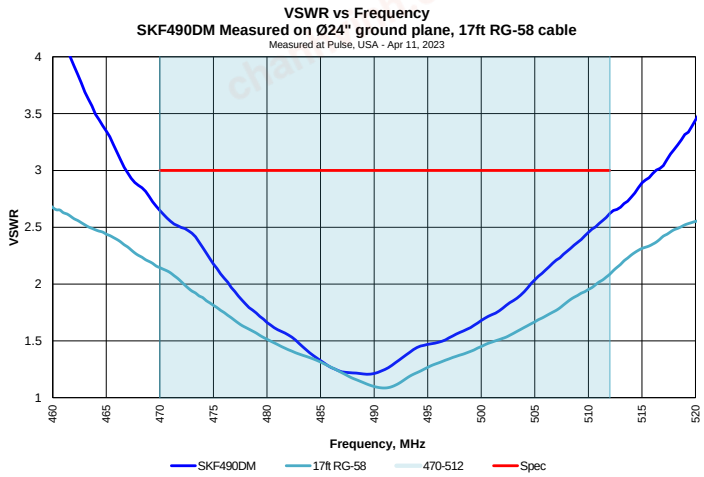
SKF490DM – 470-512 MHz

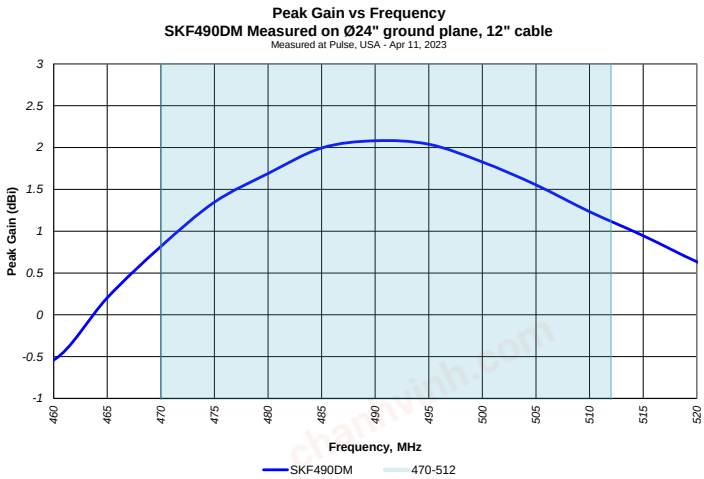
Test Setup / Charts

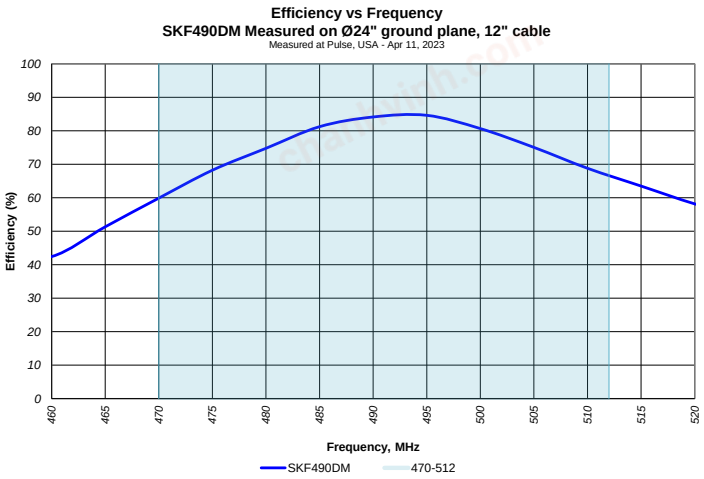
SKF490DM

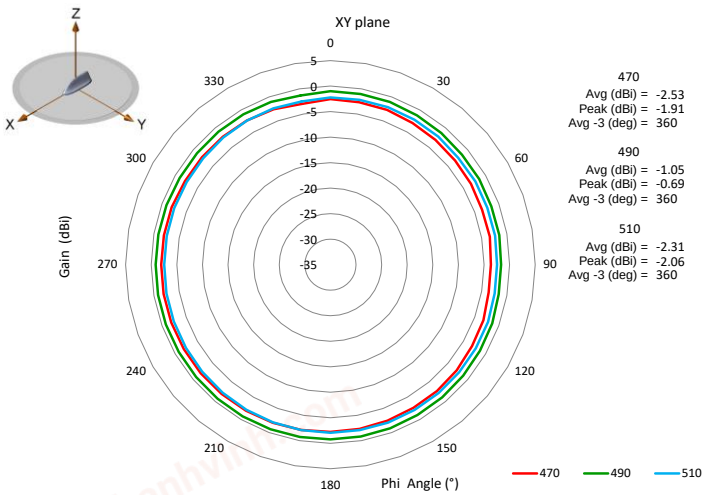


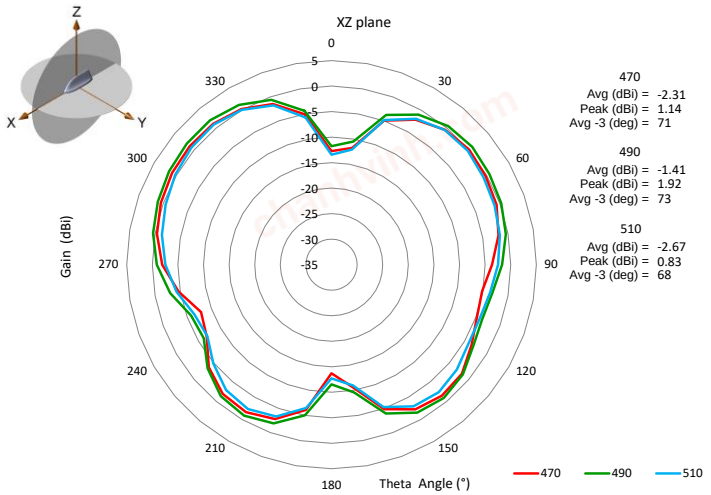
antenna sample measured on Ø24” (609.6mm) ground plane







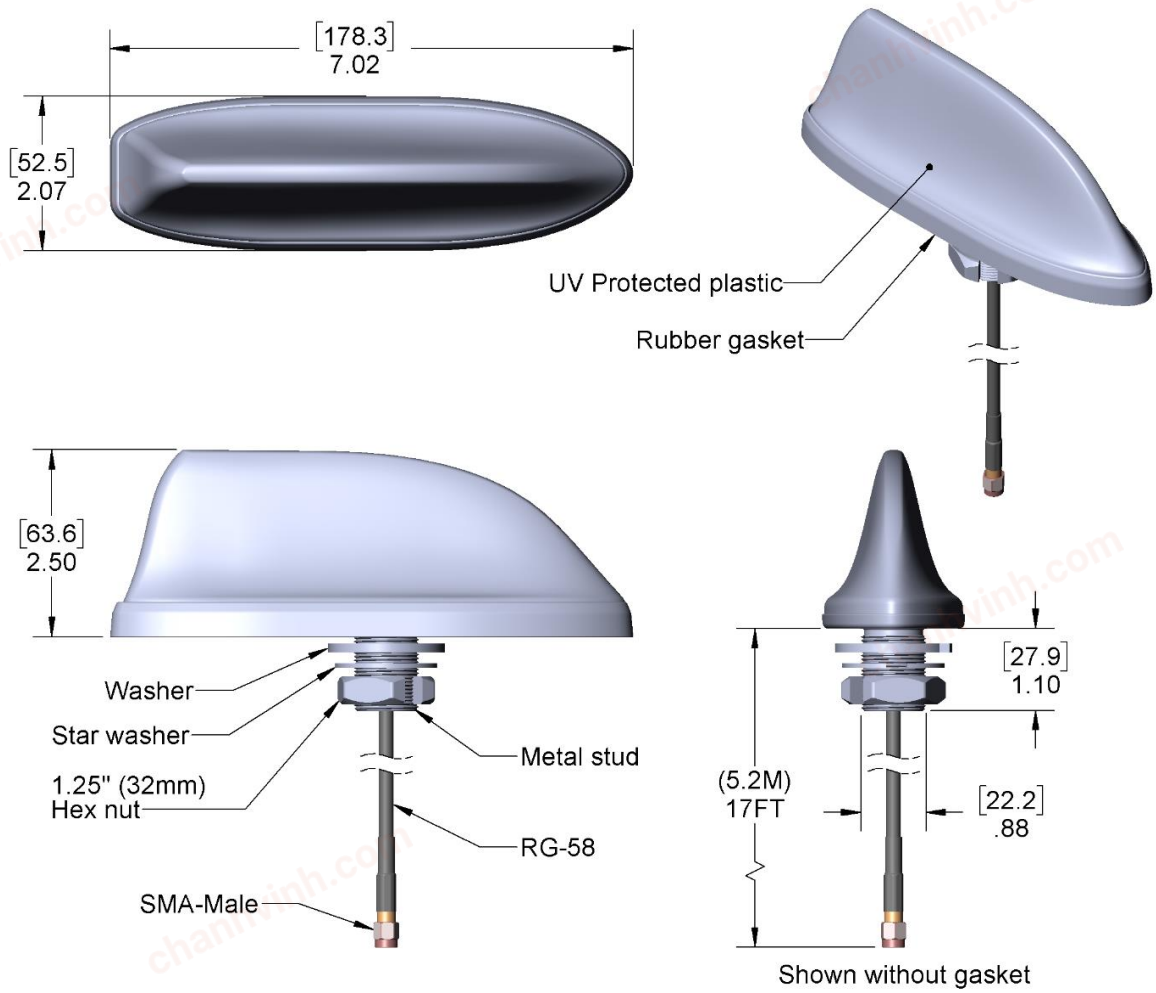




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Mechanical Drawing

SKF490DM



Dimensions: Inches (mm)
Unless otherwise specified, all tolerances are ±.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:
1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:
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