

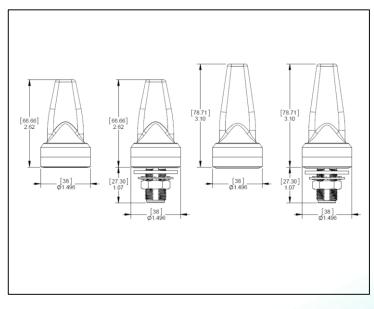


Series: Shadow
PART NUMBER: Black: SLPTXXX / White: SLPTXXXW



Features:

- SLPT in Black and White
- Short, slim profile without sacrificing RF or mechanical performance
- Direct and NMO mount models
- IP67 Weatherproof



Applications:

- Models supporting :
 - Public Safety, LMR
 - Wi-Fi,
 - 3G/4G LTE,
 - ISM
 - DSRC
- Bus/Rail/Transit
- IoT Vending, metering and other industrial applications
- Outdoor Vehicular

All dimensions are in mm / inches

Issue: 1829

In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION

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Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

This document covers all product variants of the following product family:

Project	Color	Frequency	Size	Fixing System Connector	
SLPT698/2170NMOHFW	White	698-960MHz		NMOHF NMO + HF Connector	
SLPT698/2170NMOHF	Black	1710-2700MHz	78.71]		
SLPT698/960NMOW	White	500 0501411			
SLPT698/960NMO	Black	698-960MHz	[38] Ø1.496		
SLPT806NMOW	White	806-960MHz			
SLPT806NMO	Black			NMO + Pogo Pin Connector	
SLPT698/869DMNW	White	COO OCONALI-	[78.71] 3.10 [27.30] 1.07 [38] Ø1.496	Direct Mount N Female Connector (Screw 5/8-24 UNEF 2A)	
SLPT698/869DMN	Black	698-869MHz			
SLPT806DMNW	White	806-960MHz			
SLPT806DMN	Black	806-960IVIHZ			
SLPT698/2170DMNW	White	698-960MHz			
SLPT698/2170DMN	Black	1710-2700MHz			

Issue: 1829







Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

This document covers all product variants of the following product family:

Project	Color	Frequency	Size	Fixing System Connector	
SLPT2400NMOHFW	White	2400-2500MHz	1		
SLPT2400NMOHF	Black	2400-2500IVIH2			
SLPT4900NMOHFW	White	4000 60000411-	[66.66] 2.62	NMOHF NMO + HF Connector	
SLPT4900NMOHF	Black	4900-6000MHz			
SLPT245NMOHFW	White	2400-2500MHz	[20]		
SLPT2400/5900NMOHF	Black	4900-6000MHz	[38] Ø1.496		
SLPT2400DMNW	White	2400-2500MHz	[66.66] 2.62 [27.30] 1.07	Direct Mount N Female Connector (Screw 5/8-24 UNEF 2A)	
SLPT2400DMN	Black	2400-2500IVIH2			
SLPT4900DMNW	White	4900-6000MHz			
SLPT4900DMN	Black	4900-6000IVIH2			
SLPT2400/5900DMNW	White	2400-2500MHz			
SLPT2400/5900DMN	Black	4900-6000MHz			

P.S.: For DMN fixing system, it requires a 5/8" (16mm) hole in the mounting surface.

Remove any burrs, particularly on the Roof under side of the hole. Remove paint in a narrow ring around the hole. Metal-to-metal contact between the mounting surface and mount is essential for best performance.





Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

ELECTRICAL SPECIFICATIONS

Project	Frequency	VSWR	Peak Gain	Efficiency	Power Handling
SLPT698/2170NMOHFW	698-960MHz 1710-2700MHz	3.3:1(0.698-0.96GHz) 2:1(1.71-2.5GHz) 2.2:1(2.5-2.7GHz)	3.52dBi(0.698-0.96GHz) 4.95dBi(1.71-2.69GHz)	72% 71%	40W(100% duty cycle)
SLPT698/2170NMOHF					
					50W(50% duty cycle)
SLPT698/960NMOW	- 698-960MHz	2:1	3.29dBi	68%	35W(100% duty cycle)
SLPT698/960NMO					40W(50% duty cycle)
SLPT806NMOW	- 806-960MHz	2:1	3.18dBi	67%	35W(100% duty cycle)
SLPT806NMO					40W(50% duty cycle)
SLPT698/869DMNW	698-869MHz	2:1	3.26dBi	72%	30W(100% duty cycle)
SLPT698/869DMN					40W(50% duty cycle)
SLPT806DMNW	806-960MHz	2:1	3.05dBi	70%	40W(100% duty cycle)
SLPT806DMN					45W(50% duty cycle)
SLPT698/2170DMNW					40W(100% duty cycle)
SLPT698/2170DMN	698-960MHz 1710-2700MHz	3.3:1(0.698-0.96GHz) 2:1(1.71-2.5GHz) 2.2:1(2.5-2.7GHz)	3.51dBi(0.698-0.96GHz) 4.81dBi(1.71-2.69GHz)	76% 67%	
					50W(50% duty cycle)

Issue: 1829

ROHS



Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

ELECTRICAL SPECIFICATIONS

Project	Frequency	VSWR	Peak Gain	Efficiency	Power Handling
SLPT2400NMOHFW	2400-2500MHz 4900-6000MHz	2:1	5.06dBi 5.09dBi	79% 71%	35W(100% duty cycle)
SLPT2400NMOHF					45W(50%
SLPT4900NMOHFW					duty cycle) 35W(100%
SLPT4900NMOHF					duty cycle) 45W(50% duty cycle)
SLPT245NMOHFW	2400-2500MHz 4900-6000MHz	2:1(2.4-2.5GHz) 2.2:1(4.9-6GHz)	5.06dBi 5.09dBi	79% 71%	35W(100% duty cycle)
SLPT2400/5900NMOHF					45W(50% duty cycle)
SLPT2400DMNW	2400-2500MHz	2:1	4.78dBi	75%	35W(100% duty cycle)
SLPT2400DMN					45W(50% duty cycle)
SLPT4900DMNW	4900-6000MHz	2.2:1	5.14dBi	73%	35W(100% duty cycle)
SLPT4900DMN					45W(50% duty cycle)
SLPT2400/5900DMNW	2400-2500MHz 4900-6000MHz	2:1(2.4-2.5GHz) 2.2:1(4.9-6GHz)	4.78dBi 5.14dBi	79% 73%	35W(100% duty cycle)
SLPT2400/5900DMN					45W(50% duty cycle)

Nominal Impedance

 50Ω

Radiation Pattern

omni

Polarization:

Vertical

Issue: 1829





Description: ON-VEHICLE LOW PROFILE ANTENNA

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PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

MECHANICAL SPECIFICATIONS

Plastic radome PC

Color White / Black

Ingress Protection IP67

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40 ~ +85° C



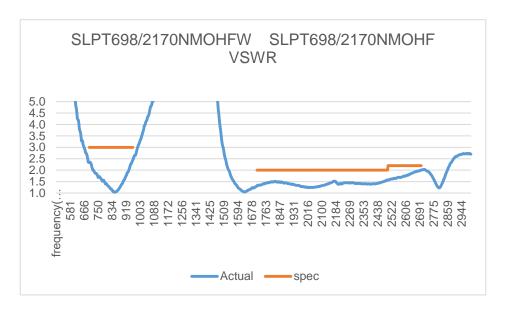


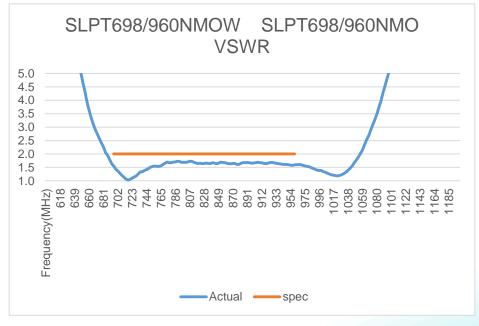
TECHNICAL DATA SHEET

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS





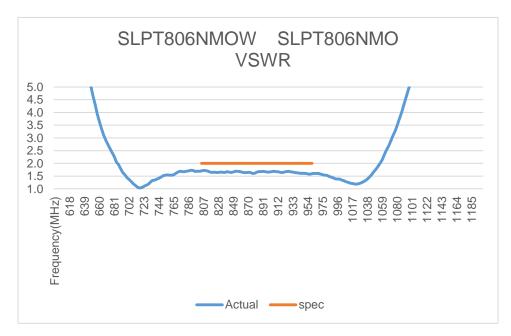


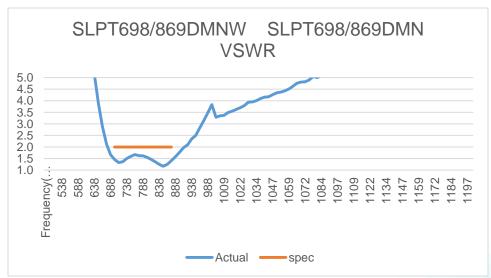


Series: Shadow

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CHARTS





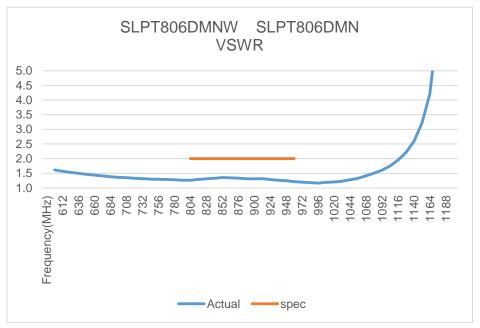


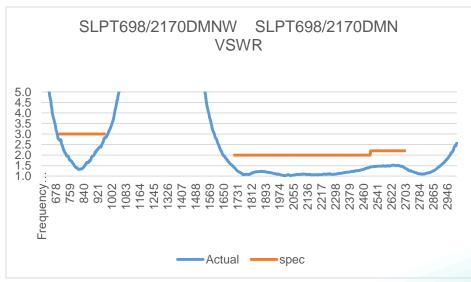


Series: Shadow

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CHARTS







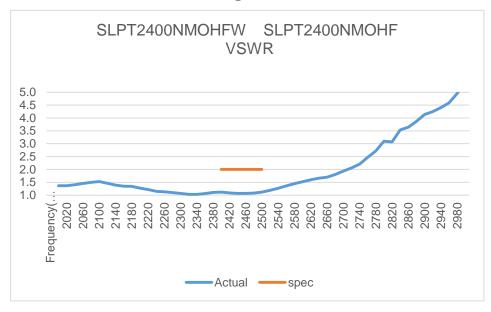


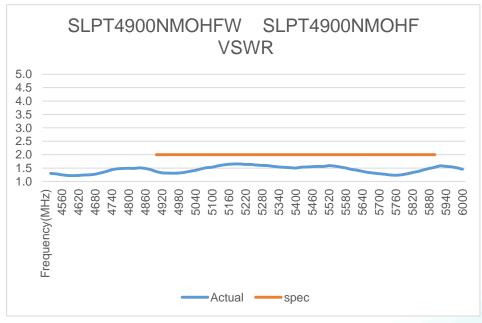


Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS





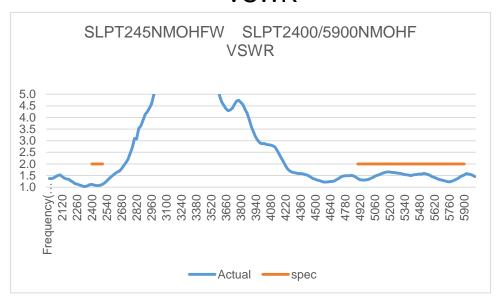


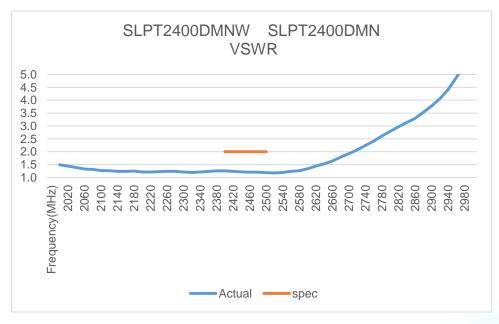


Series: Shadow

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CHARTS





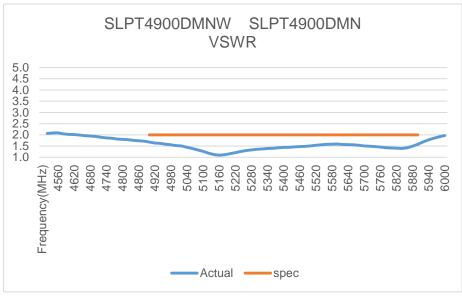


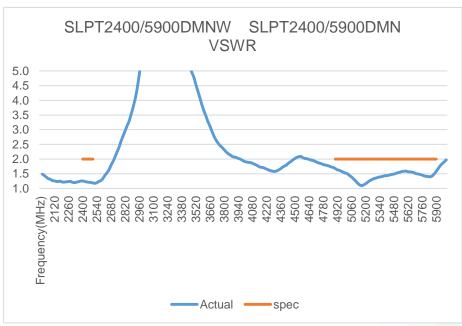


Series: Shadow

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CHARTS







Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

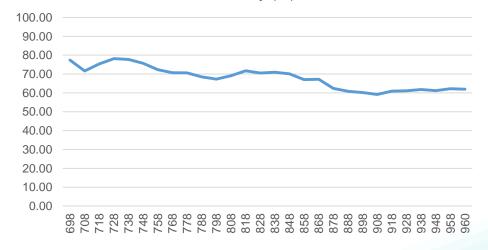
CHARTS

Efficiency(%)

SLPT698/2170NMOHFW SLPT698/2170NMOHF Efficiency (%)



SLPT698/960NMOW SLPT698/960NMO Efficiency (%)





Description: ON-VEHICLE LOW PROFILE ANTENNA

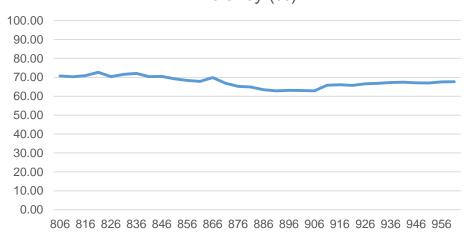
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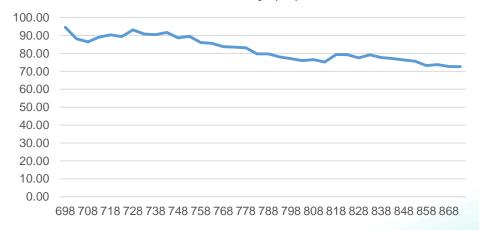
CHARTS

Efficiency(%)

SLPT806NMOW SLPT806NMO Efficiency (%)



SLPT698/869DMNW SLPT698/869DMN Efficiency (%)



Issue: 1829



Description: ON-VEHICLE LOW PROFILE ANTENNA

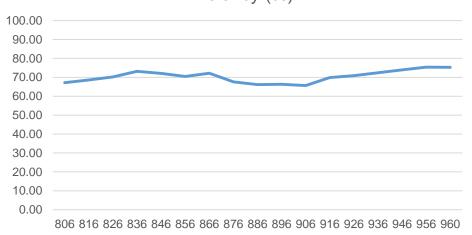
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Efficiency(%)

SLPT806DMNW SLPT806DMN Efficiency (%)



SLPT698/2170DMNW SLPT698/2170DMN Efficiency (%)





Description: ON-VEHICLE LOW PROFILE ANTENNA

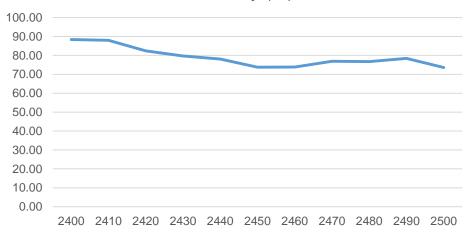
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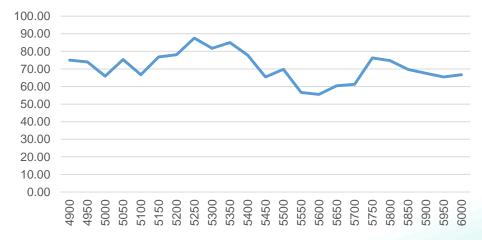
CHARTS

Efficiency(%)

SLPT2400NMOHFW SLPT2400NMOHF Efficiency (%)



SLPT4900NMOHFW SLPT4900NMOHF Efficiency (%)



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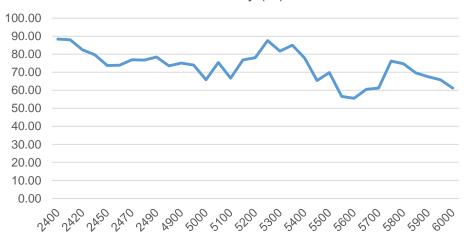
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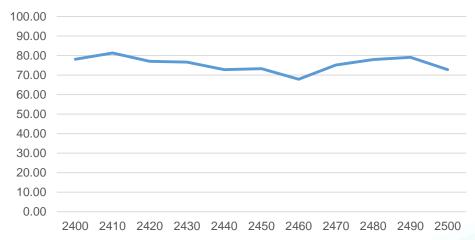
CHARTS

Efficiency(%)

SLPT245NMOHFW SLPT2400/5900NMOHF Efficiency (%)



SLPT2400DMNW SLPT2400DMN Efficiency (%)





Description: ON-VEHICLE LOW PROFILE ANTENNA

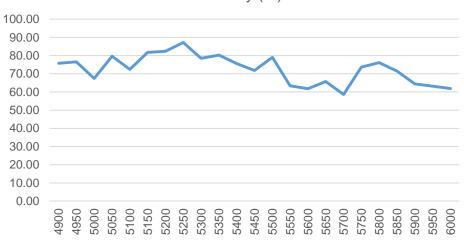
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Efficiency(%)

SLPT4900DMNW SLPT4900DMN Efficiency (%)



SLPT2400/5900DMNW SLPT2400/5900DMN Efficiency (%)





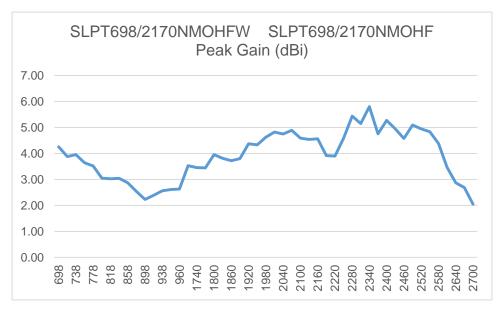


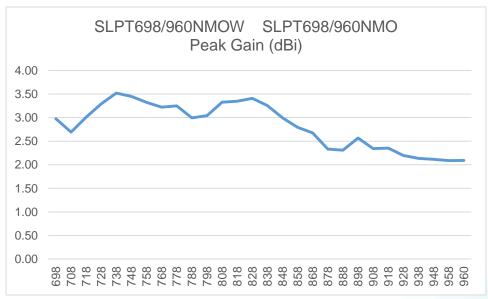


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CHARTS





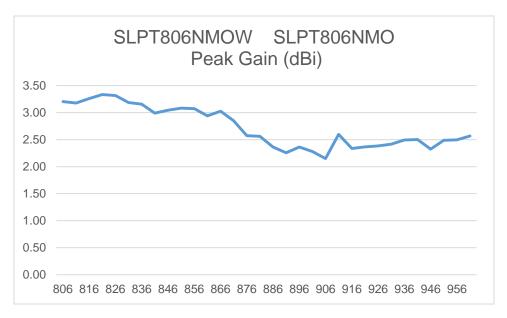


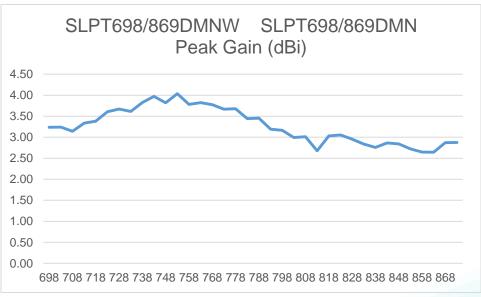


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CHARTS





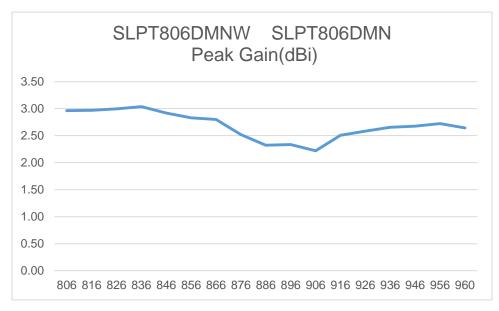


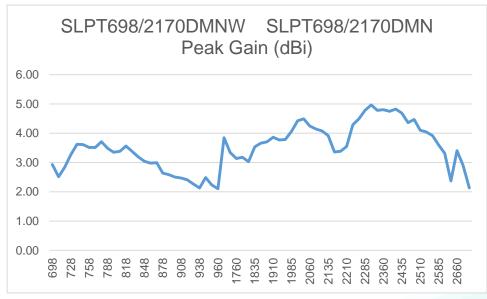


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PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS









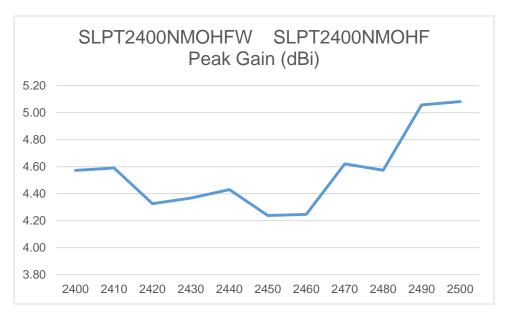


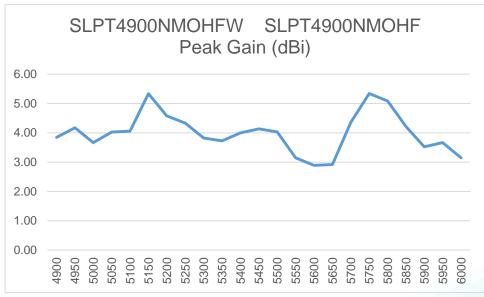
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Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS





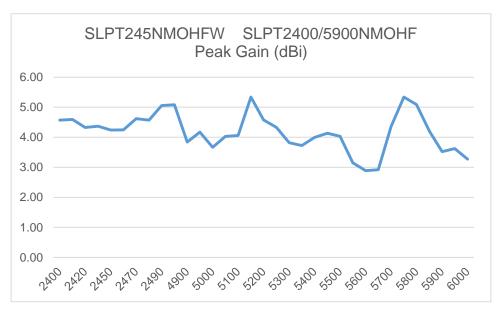


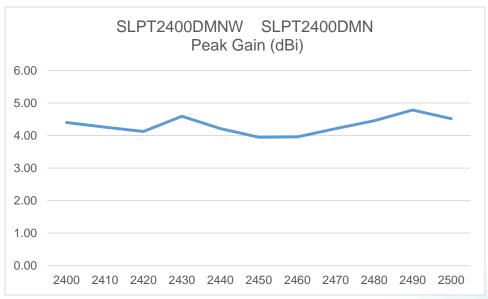


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CHARTS





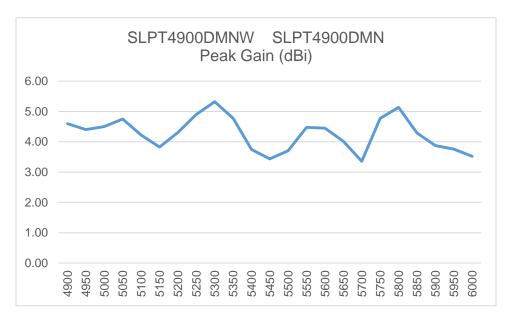


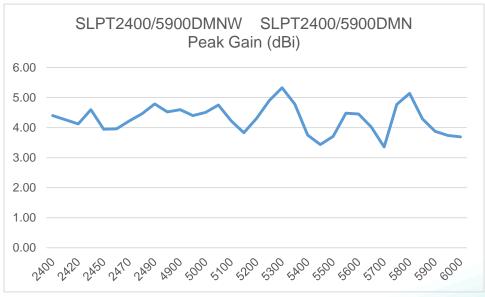


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CHARTS











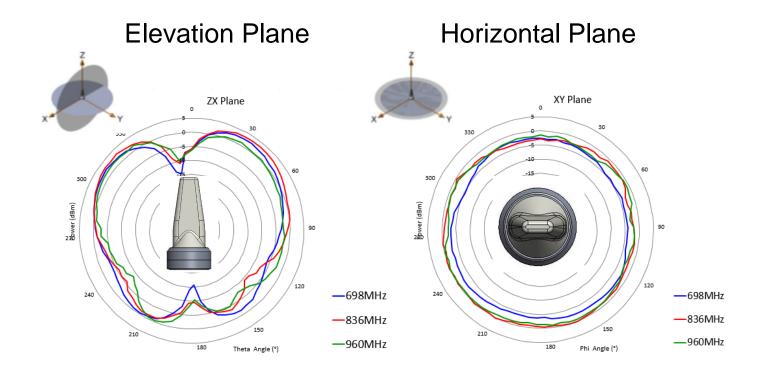
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PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT698/2170NMOHFW SLPT698/2170NMOHF









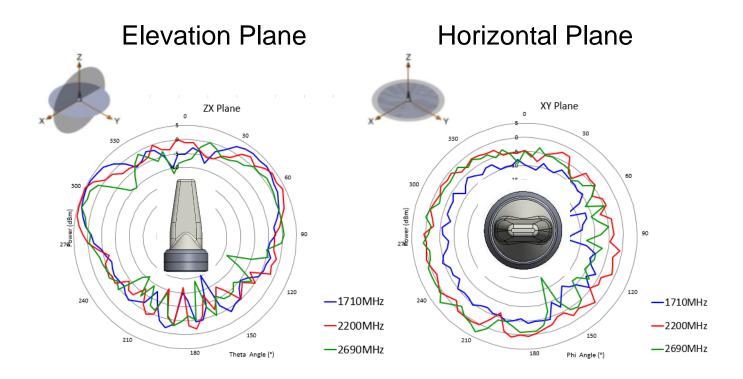
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PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT698/2170NMOHFW SLPT698/2170NMOHF







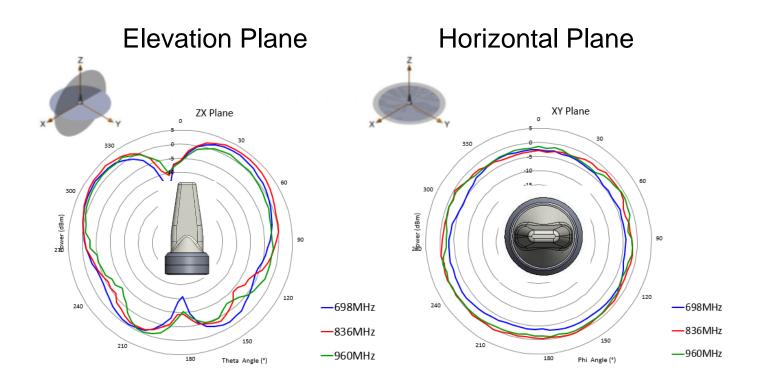
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PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT698/960NMOW SLPT698/960NMO







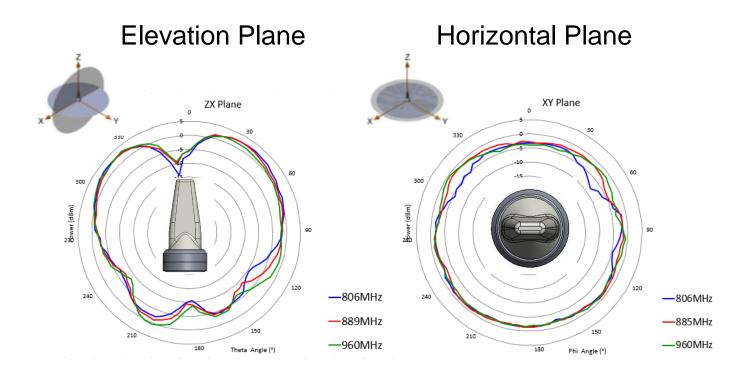
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT806NMOW SLPT806NMO







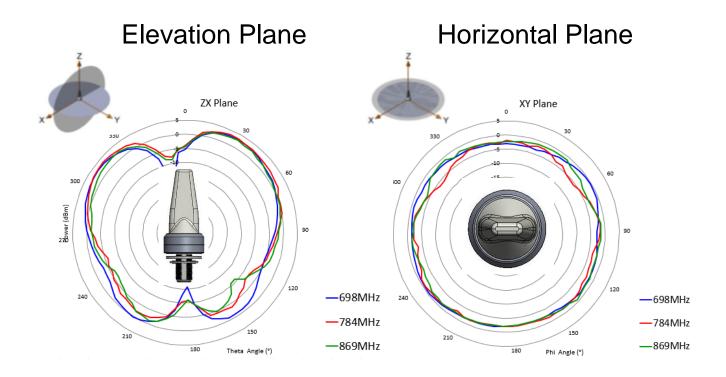
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT698/869DMNW SLPT698/869DMN







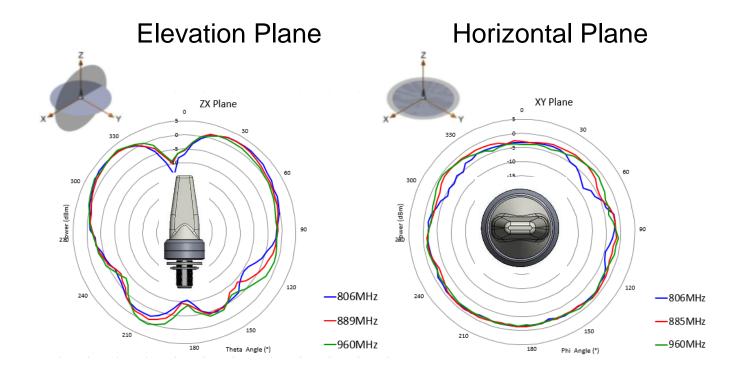
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT806DMNW SLPT806DMN







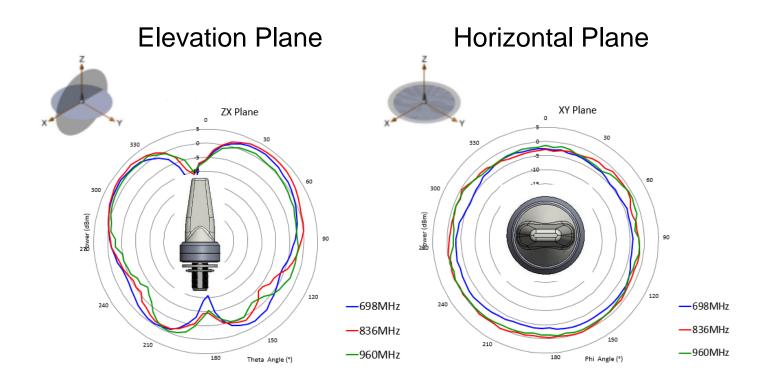
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT698/2170DMNW SLPT698/2170DMN







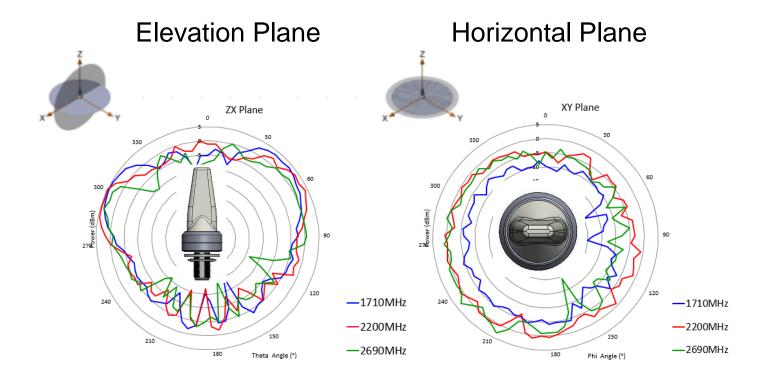
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT698/2170DMNW SLPT698/2170DMN







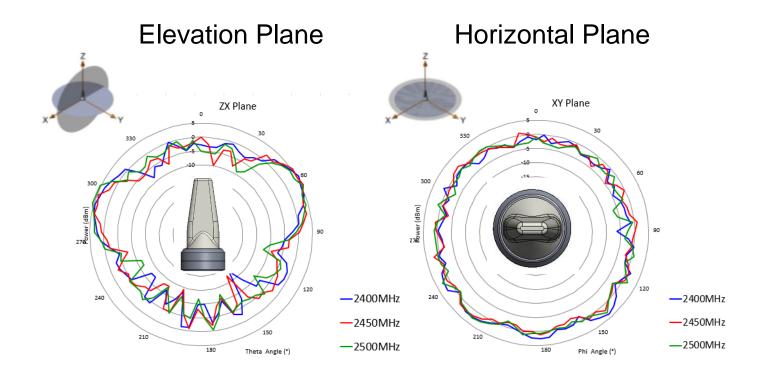
Series: Shadow

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CHARTS

Free Space Radiation Pattern

SLPT2400NMOHFW SLPT2400NMOHF







TECHNICAL DATA SHEET

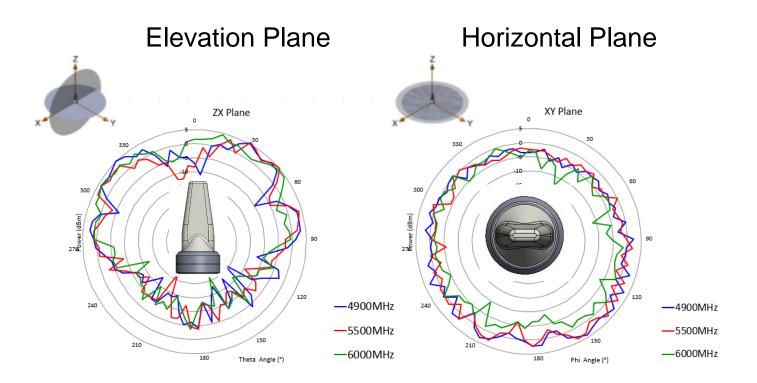
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT4900NMOHFW SLPT4900NMOHF







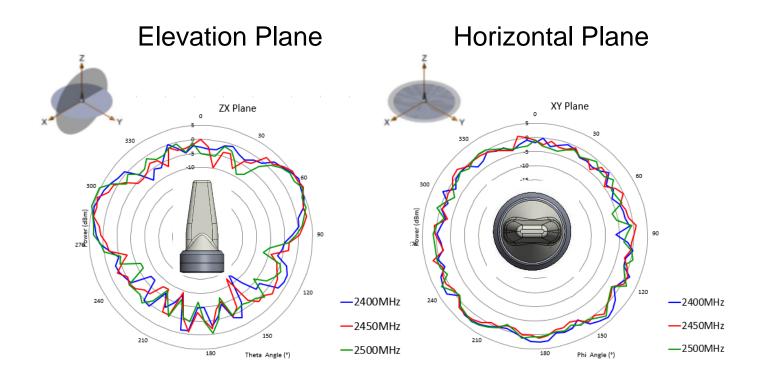
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT245NMOHFW SLPT2400/5900NMOHF







TECHNICAL DATA SHEET

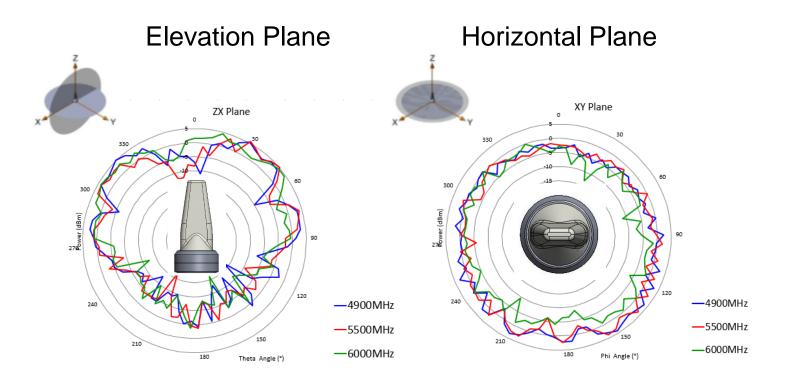
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PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT245NMOHFW SLPT2400/5900NMOHF







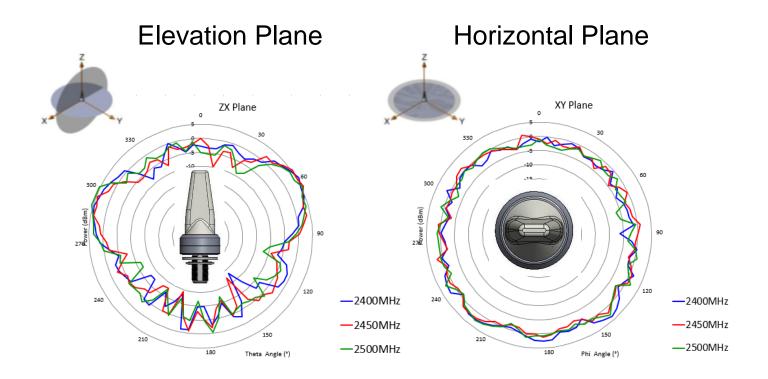
Series: Shadow

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CHARTS

Free Space Radiation Pattern

SLPT2400DMNW SLPT2400DMN







Description: ON-VEHICLE LOW PROFILE ANTENNA

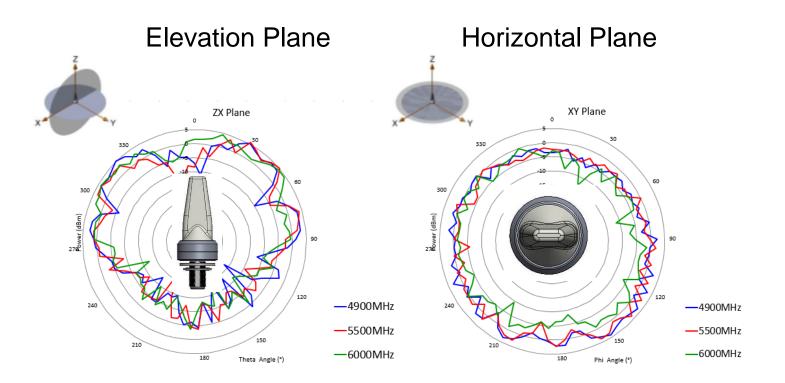
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CHARTS

Free Space Radiation Pattern

SLPT4900DMNW SLPT4900DMN







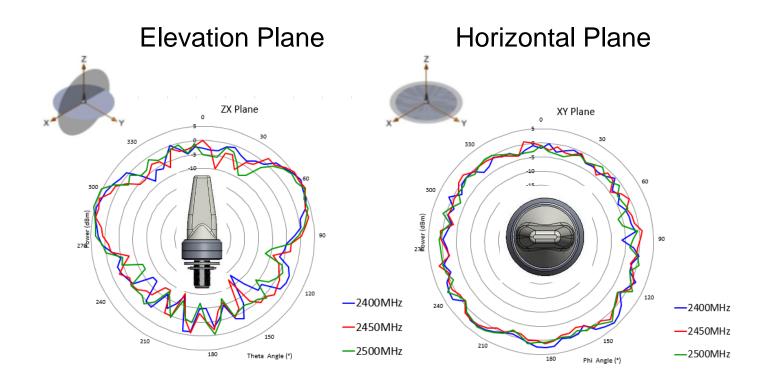
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT2400/5900DMNW SLPT2400/5900DMN





Description: ON-VEHICLE LOW PROFILE ANTENNA

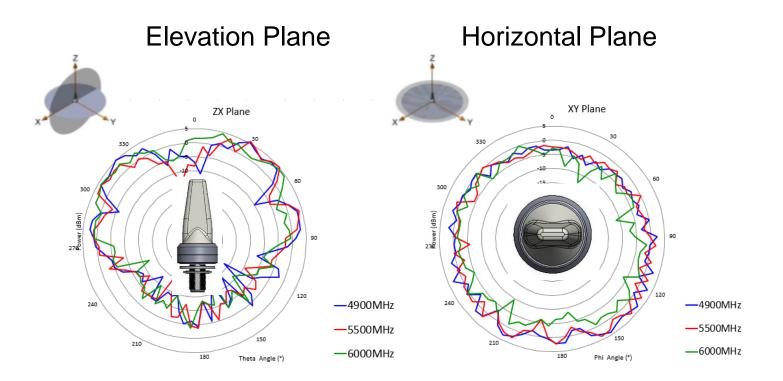
Series: Shadow

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CHARTS

Free Space Radiation Pattern

SLPT2400/5900DMNW SLPT2400/5900DMN





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