



Description: ON-VEHICLE LOW PROFILE ANTENNA

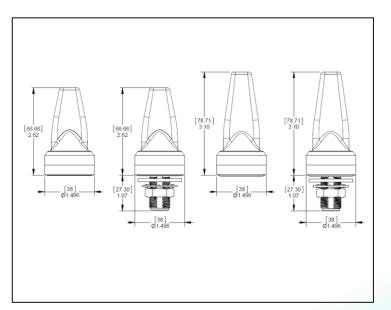
Series: Shadow

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



All dimensions are in mm / inches

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



Issue: 1829

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For more 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: **Fixing System** Project Color Frequency Size Connector SLPT698/2170NMOHFW White 698-960MHz 1710-2700MHz 78.71] 3.10 SLPT698/2170NMOHF Black NMOHF NMO + HF Connector White SLPT698/960NMOW 698-960MHz [38] Ø1496 SLPT698/960NMO Black SLPT806NMOW White 806-960MHz SLPT806NMO Black NMO + Pogo Pin Connector White SLPT698/869DMNW 698-869MHz **SLPT698/869DMN** Black [78.71] 3.10 White SLPT806DMNW 806-960MHz Black SLPT806DMN Direct Mount [27.30] 1.07 White **SLPT698/2170DMNW** 698-960MHz **N** Female Connector 1710-2700MHz (Screw 5/8-24 UNEF 2A) SLPT698/2170DMN Black d 1 40

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2



Description: ON-VEHICLE LOW PROFILE ANTENNA

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

Project	Color	Frequency	Size	Fixing System Connector	
SLPT2400NMOHFW	White	2400-2500MHz	[66.66] 2.62		
SLPT2400NMOHF	Black	2400-2500IVIHZ			
SLPT4900NMOHFW	White	4000 60000411-			
SLPT4900NMOHF	Black	4900-6000MHz			
SLPT245NMOHFW	White	2400-2500MHz		NMOHF NMO + HF Connector	
SLPT2400/5900NMOHF	Black	4900-6000MHz	→ [38] Ø1.496		
SLPT2400DMNW	White	2400 25000411-		Direct Mount N Female Connector (Screw 5/8-24 UNEF 2A)	
SLPT2400DMN	Black	2400-2500MHz			
SLPT4900DMNW	White	4000 6000040-			
SLPT4900DMN	Black	4900-6000MHz			
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.

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ELECTRICAL SPECIFICATIONS

Project	Frequency	VSWR	Peak Gain	Efficiency	Power Handling
SLPT698/2170NMOHFW		3.3:1(0.698-0.96GHz)	3.52dBi(0.698-0.96GHz)	72%	40W(100% duty cycle)
SLPT698/2170NMOHF	698-960MHz 1710-2700MHz	2:1(1.71-2.5GHz) 2.2:1(2.5-2.7GHz)	4.95dBi(1.71-2.69GHz)	71%	
					50W(50%
					duty cycle)
SLPT698/960NMOW	LPT698/960NMOW				35W(100%
	698-960MHz	2:1	3.29dBi	68%	duty cycle) 40W(50%
SLPT698/960NMO					duty cycle)
					35W(100%
SLPT806NMOW	806-960MHz	2:1		67 0/	duty cycle)
SLPT806NMO	800-900IVINZ	2.1	3.18dBi	67%	40W(50%
					duty cycle)
SLPT698/869DMNW	— 698-869MHz	2:1	3.26dBi	72%	30W(100%
					duty cycle) 40W(50%
SLPT698/869DMN					duty cycle)
SLPT806DMNW					40W(100%
SEF 1800DIVINVV	806-960MHz	2:1	2.0540;	70%	duty cycle)
SLPT806DMN			3.05dBi	70%	45W(50%
					duty cycle)
SLPT698/2170DMNW 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)		40W(100%
					duty cycle)
				76% 67%	
					50W(50% duty cycle)

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4

RóHS



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ELECTRICAL SPECIFICATIONS

Project	Frequency	VSWR	Peak Gain	Efficiency	Power Handling
SLPT2400NMOHFW	2400-2500MHz	2:1	5.06dBi	79%	35W(100% duty cycle)
SLPT2400NMOHF					45W(50% duty cycle)
SLPT4900NMOHFW	4900-6000MHz	2.2:1	5.09dBi	71%	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)	4.78dBi	79%	35W(100% duty cycle)
SLPT2400/5900DMN		4900-6000MHz 2.2:1(4.9-6G	2.2:1(4.9-6GHz)	5.14dBi	73%

Nominal Impedance	50Ω
Radiation Pattern	omni
Polarization:	Vertical
1870	1

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MECHANICAL SPECIFICATIONS		
Plastic radome	PC	
Color	White / Black	
Ingress Protection	IP67	

ENVIRONMENTAL SPECIFICATIONS

Operating temperature

-40 ~ +85° C

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6



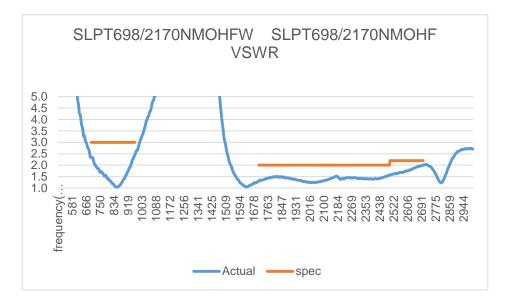
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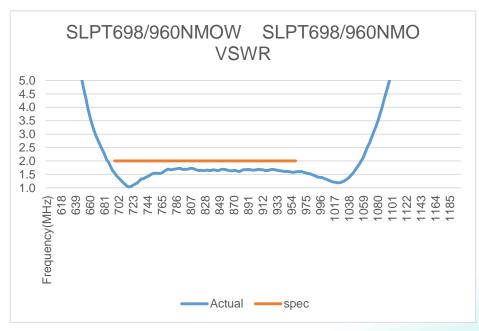
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CHARTS

VSWR





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7



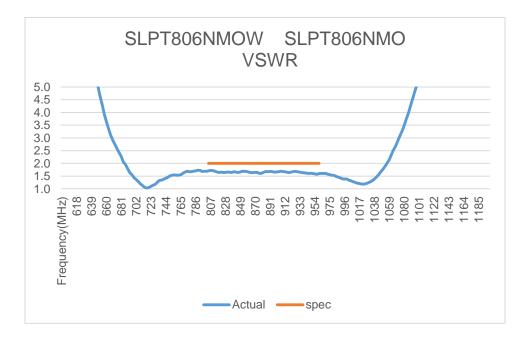
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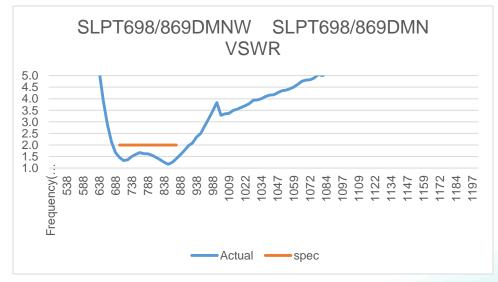
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CHARTS

VSWR





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8



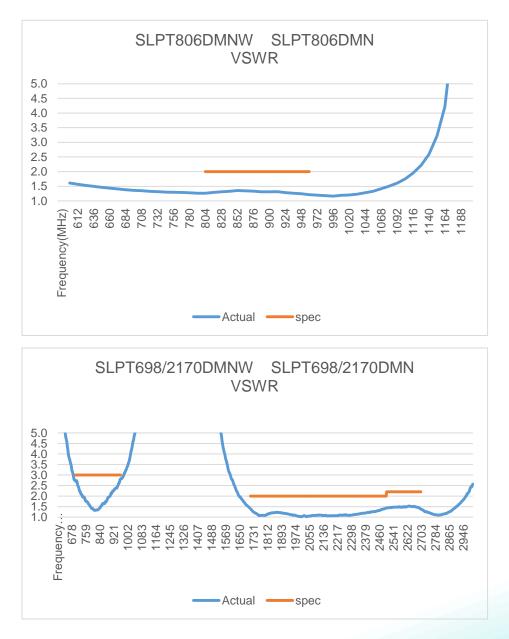
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CHARTS

VSWR



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9



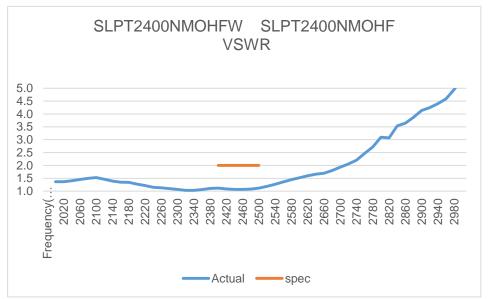
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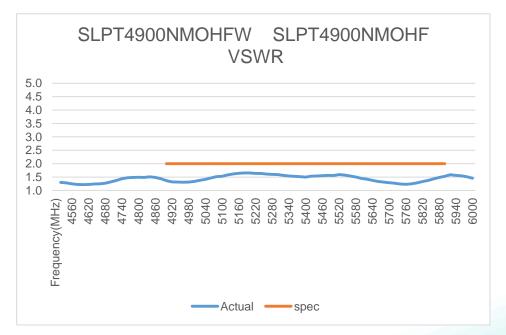
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CHARTS

VSWR





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ROHS 10

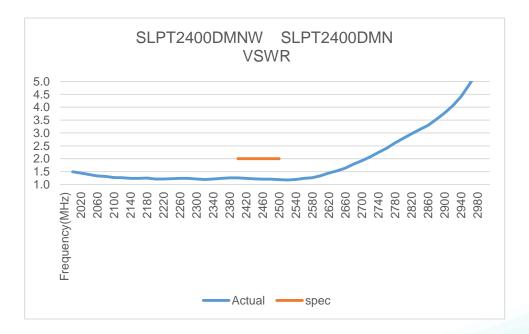


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CHARTS VSWR SLPT245NMOHFW SLPT2400/5900NMOHF **VSWR** 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 2120 2260 2400 5760 5900 Frequency(Actual spec



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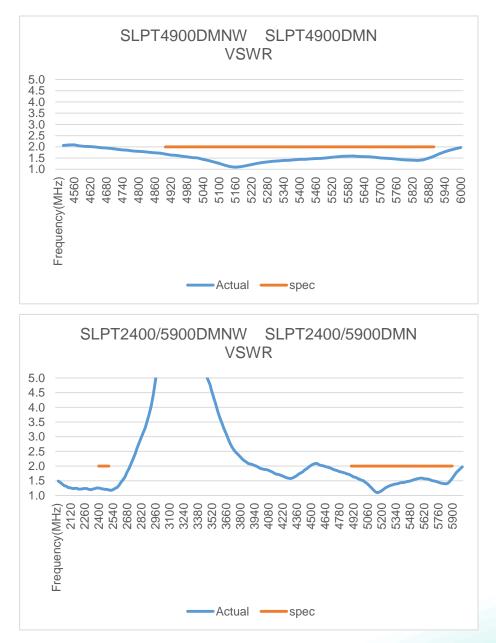
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CHARTS

VSWR



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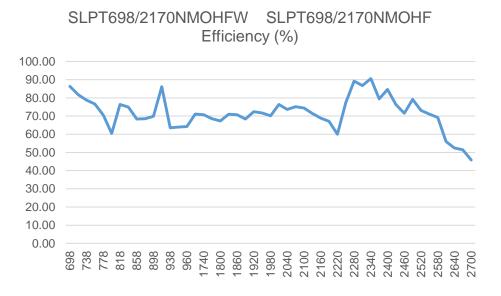
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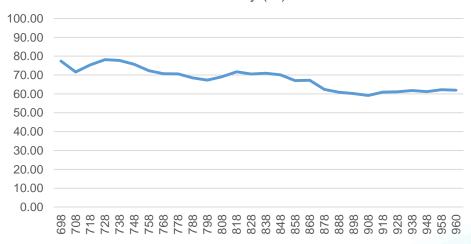
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CHARTS

Efficiency(%)



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



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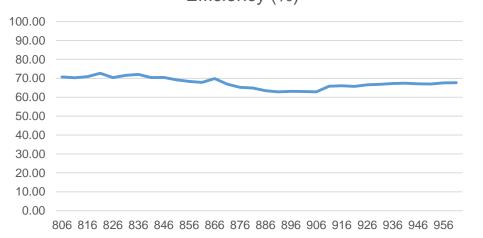
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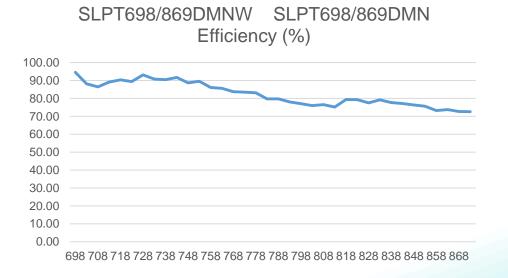
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CHARTS

Efficiency(%)

SLPT806NMOW SLPT806NMO Efficiency (%)





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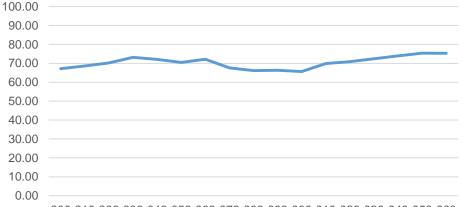
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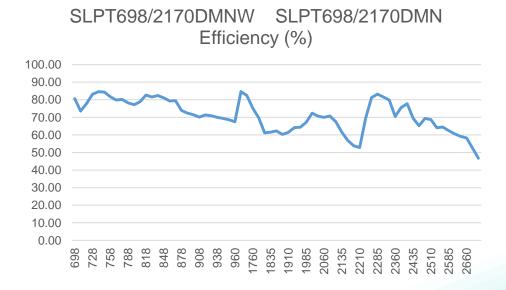
CHARTS

Efficiency(%)

SLPT806DMNW SLPT806DMN Efficiency (%)



806 816 826 836 846 856 866 876 886 896 906 916 926 936 946 956 960



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15



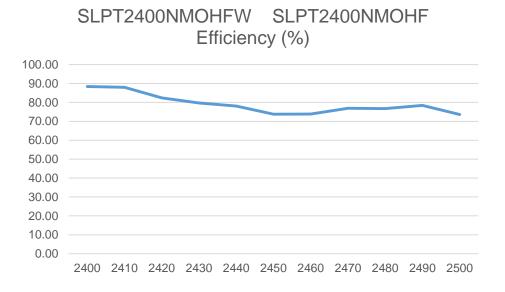
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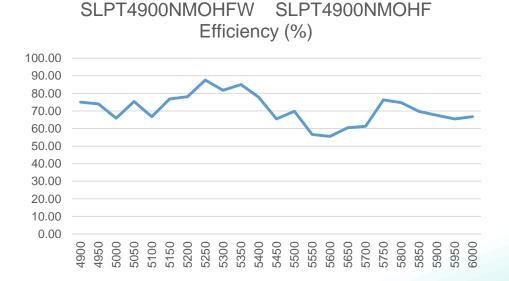
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CHARTS

Efficiency(%)





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ROHS 16



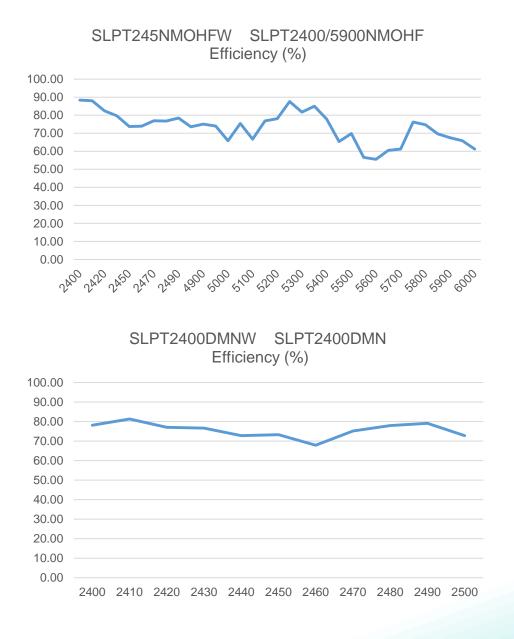
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CHARTS

Efficiency(%)



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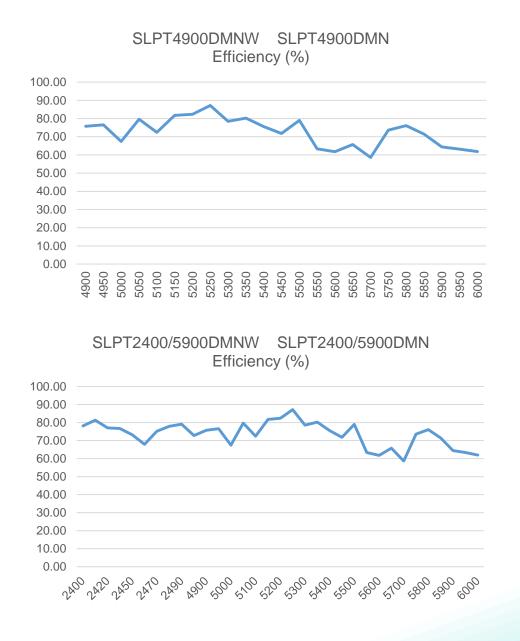
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CHARTS

Efficiency(%)



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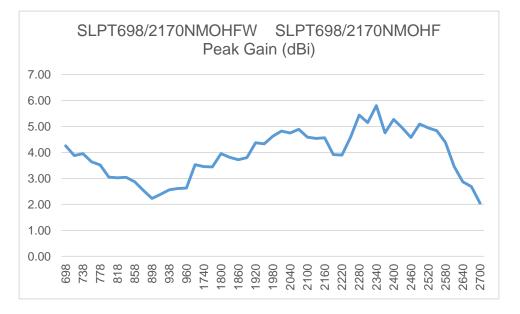
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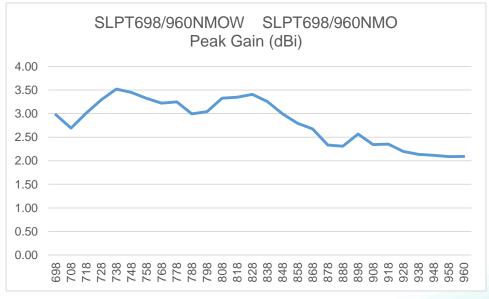
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CHARTS

Peak Gain (dBi)





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19



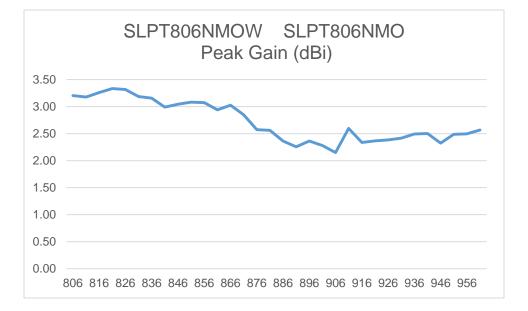
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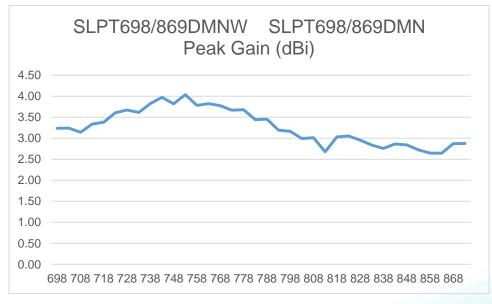
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CHARTS







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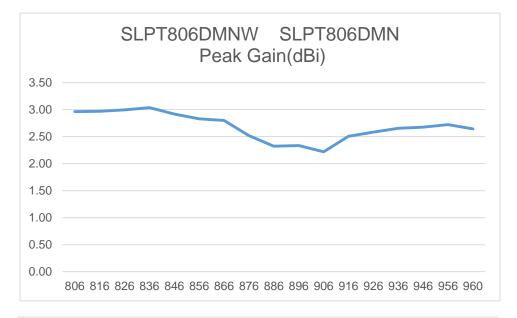
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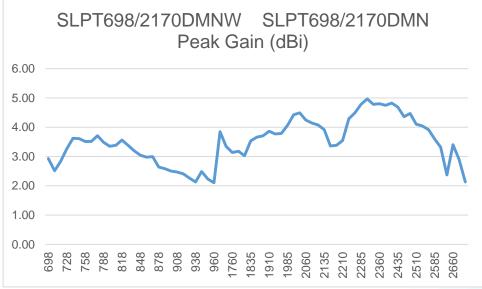
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21



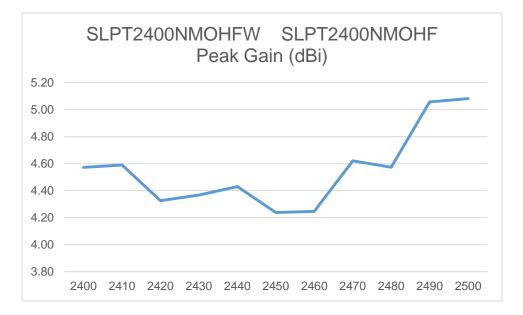
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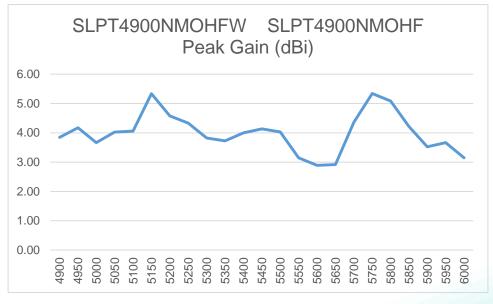
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Peak Gain (dBi)





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22



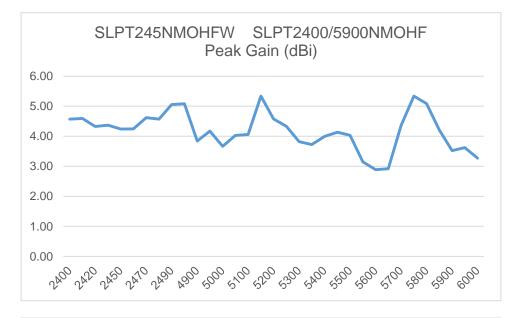
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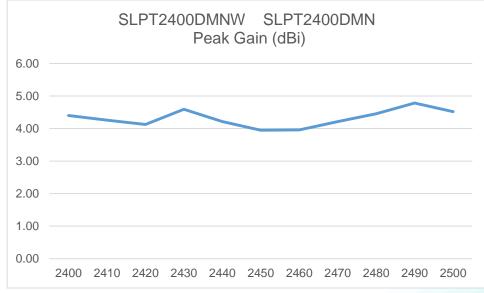
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Peak Gain (dBi)





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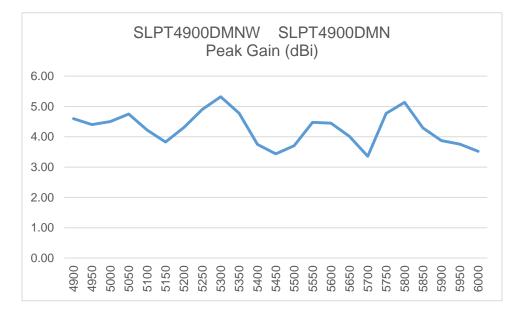
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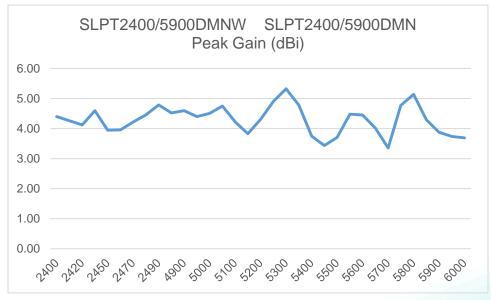
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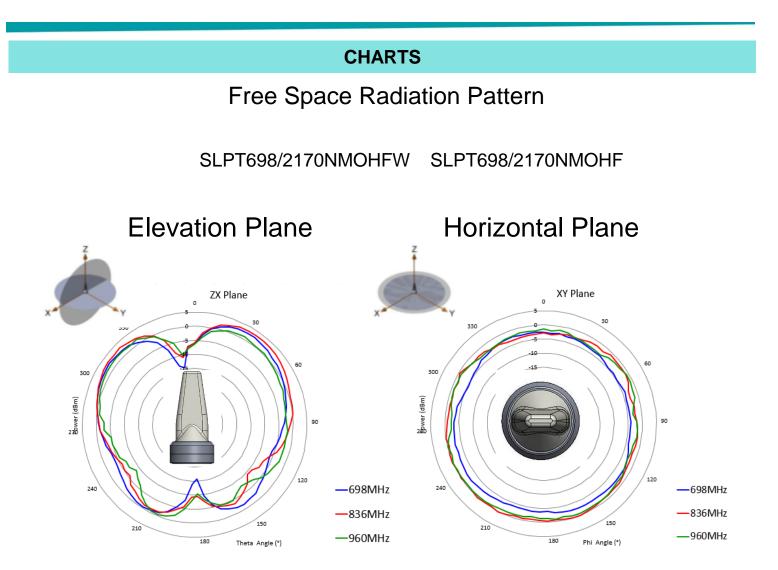
24



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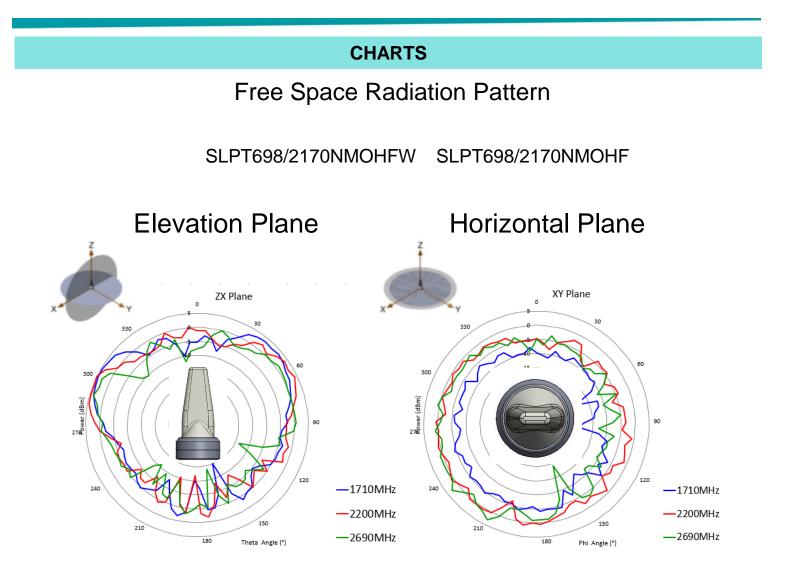
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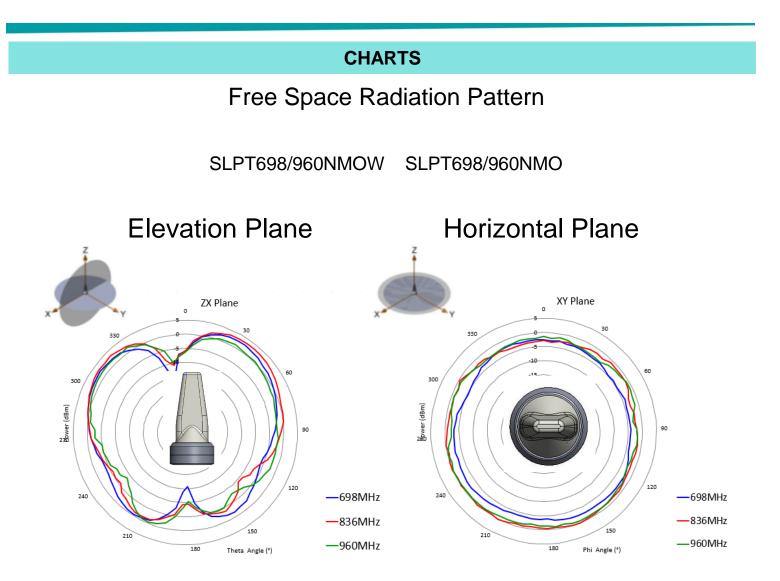
26



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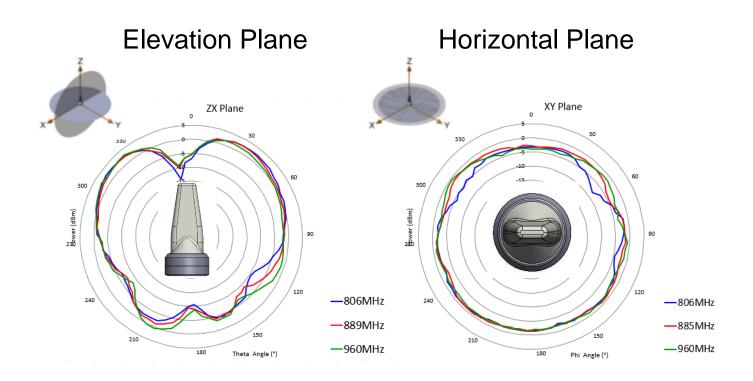
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CHARTS

Free Space Radiation Pattern

SLPT806NMOW SLPT806NMO



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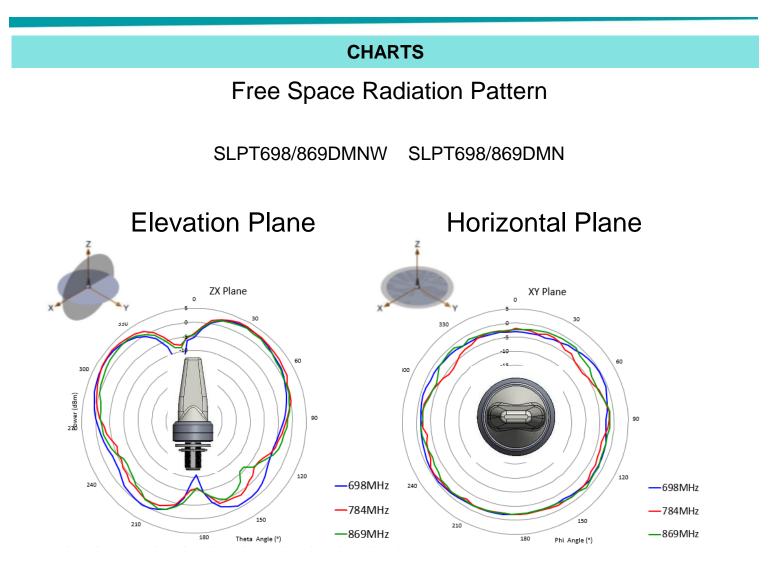




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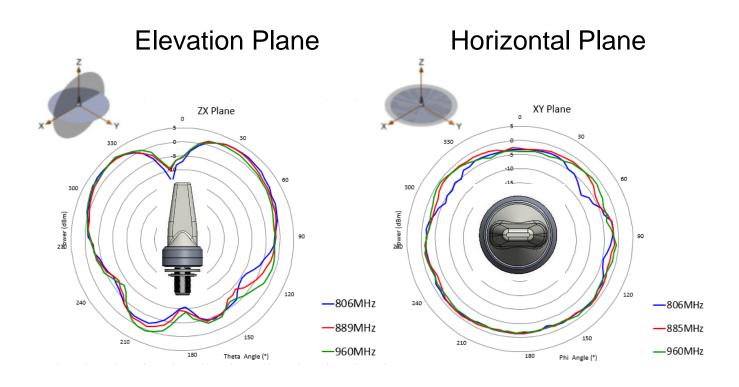
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Free Space Radiation Pattern

SLPT806DMNW SLPT806DMN



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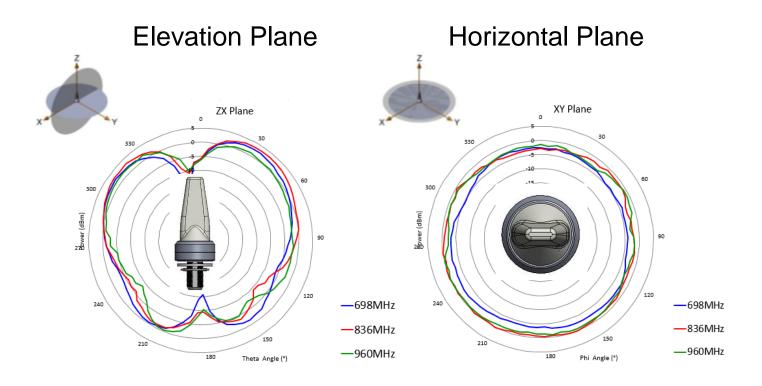
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CHARTS

Free Space Radiation Pattern

SLPT698/2170DMNW SLPT698/2170DMN



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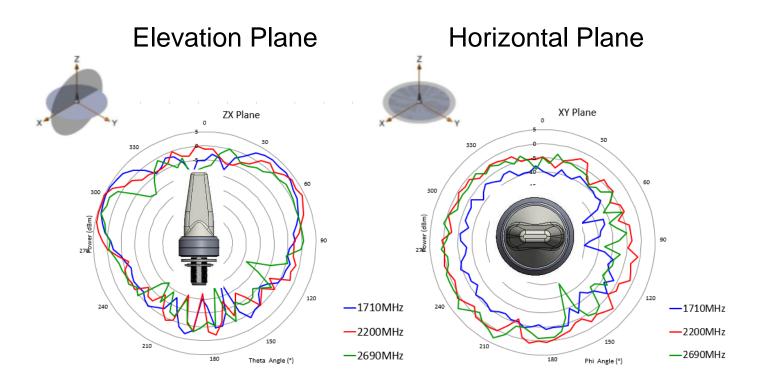
Series: Shadow

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CHARTS

Free Space Radiation Pattern

SLPT698/2170DMNW SLPT698/2170DMN



Issue: 1829

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





Description: ON-VEHICLE LOW PROFILE ANTENNA

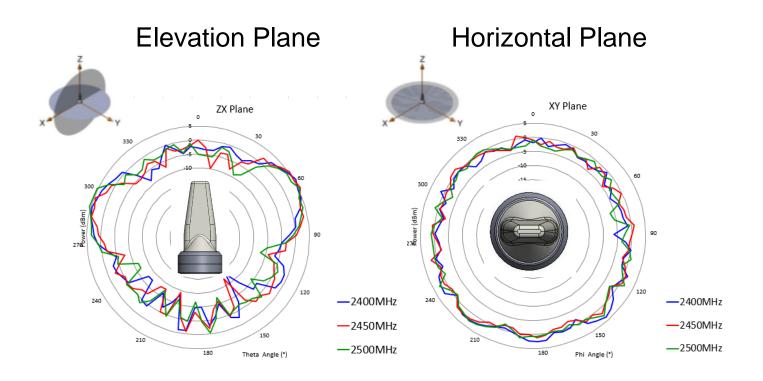
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT2400NMOHFW SLPT2400NMOHF



Issue: 1829

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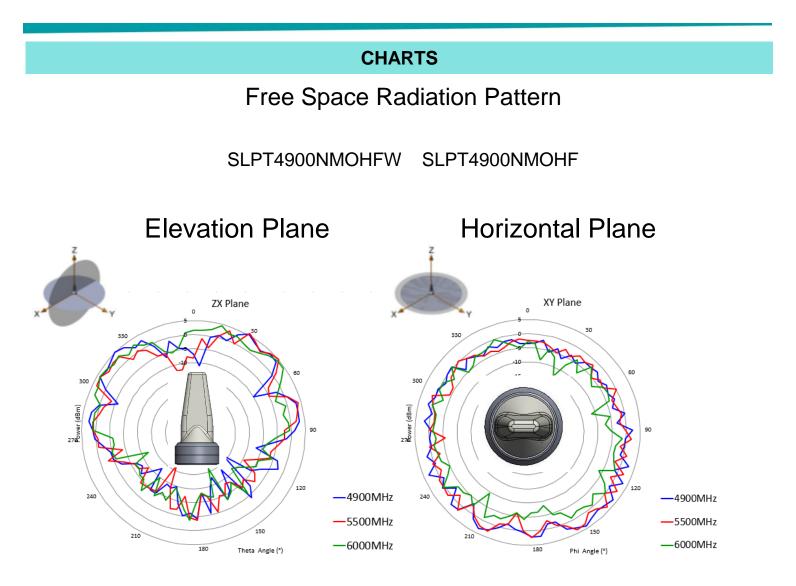




Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW



Issue: 1829

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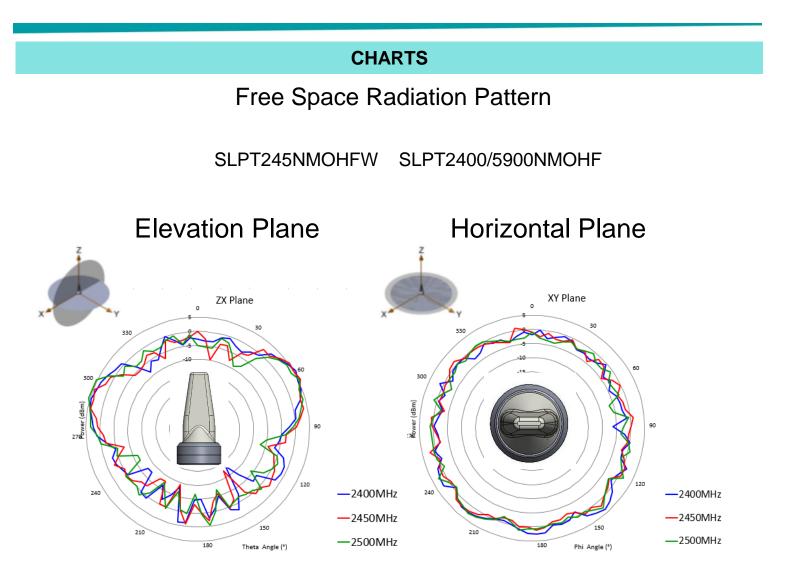




Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW



Issue: 1829

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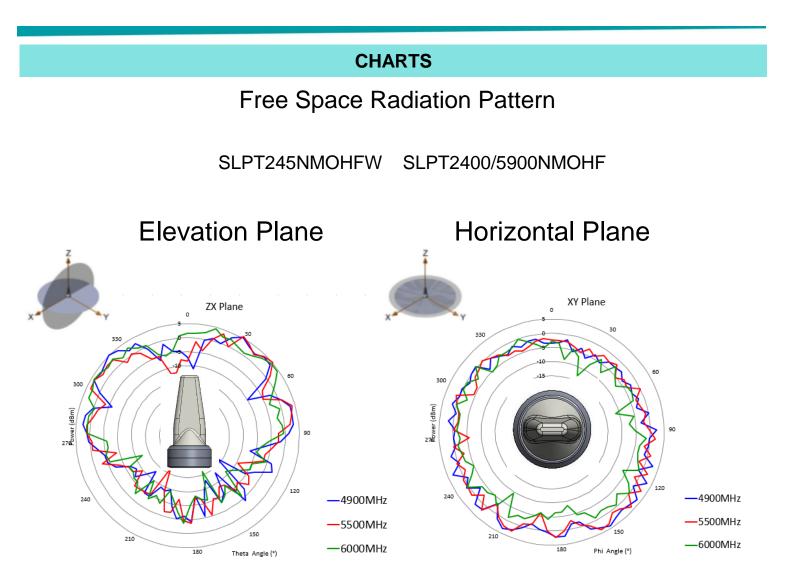




Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW



Issue: 1829

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Description: ON-VEHICLE LOW PROFILE ANTENNA

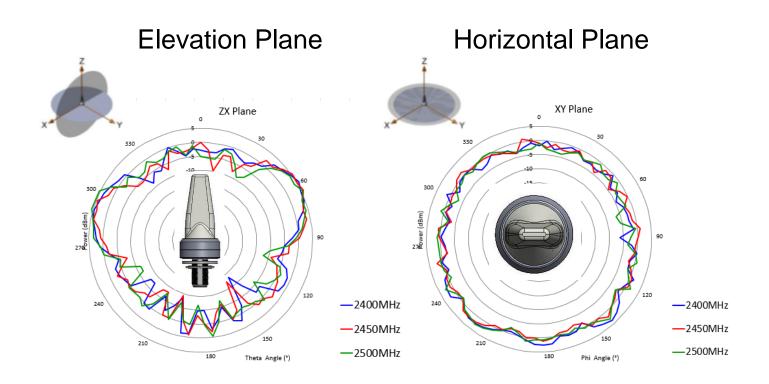
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT2400DMNW SLPT2400DMN



Issue: 1829

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Description: ON-VEHICLE LOW PROFILE ANTENNA

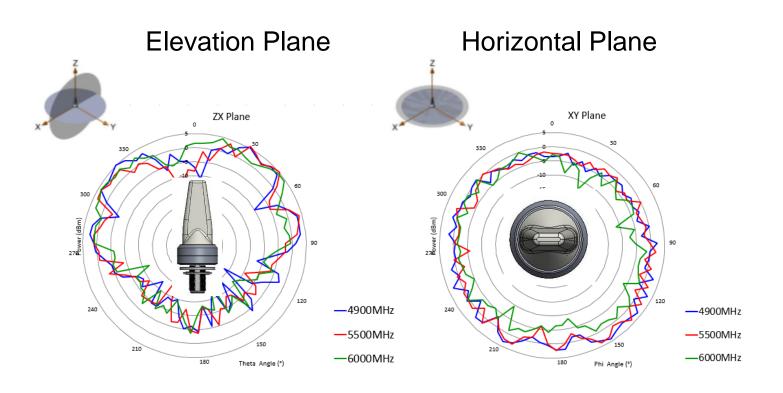
Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Free Space Radiation Pattern

SLPT4900DMNW SLPT4900DMN



Issue: 1829

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

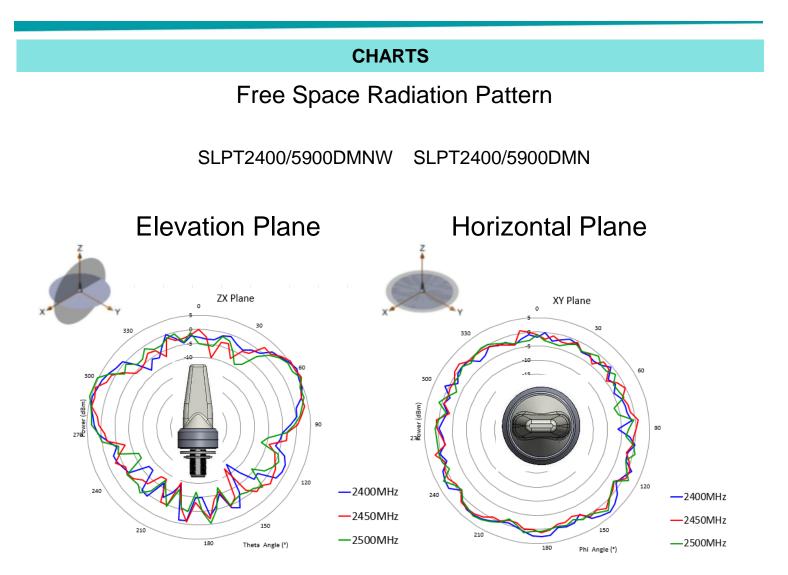




Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW



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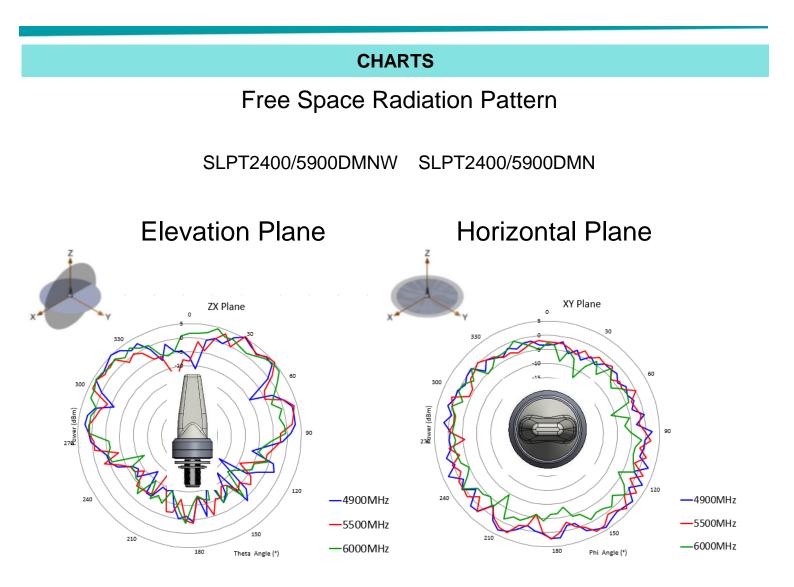




Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW



Issue: 1829

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 RGFRA1903041A1T
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