



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Description: ON-VEHICLE LOW PROFILE ANTENNA

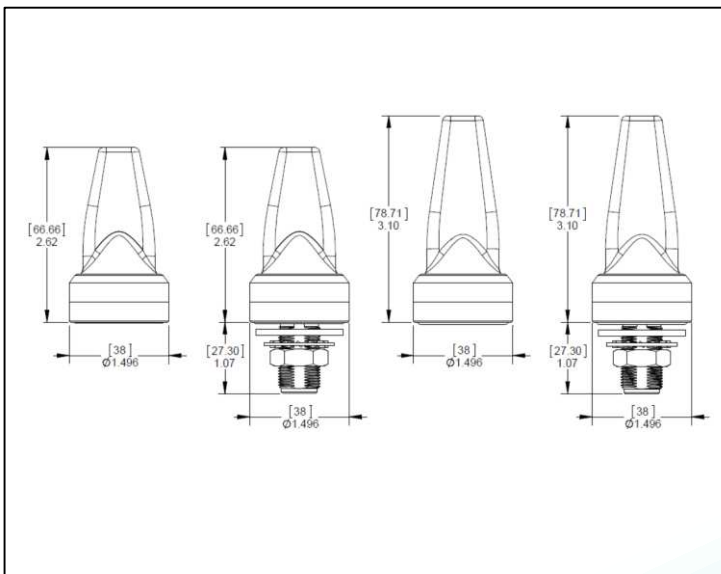
Series: Shadow

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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99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

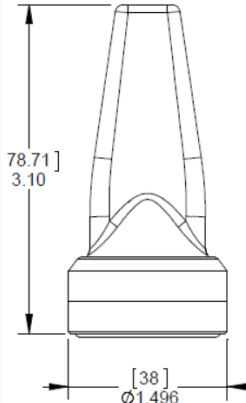
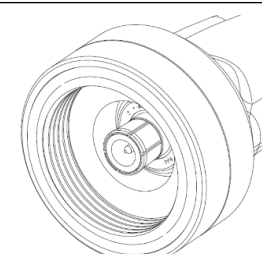
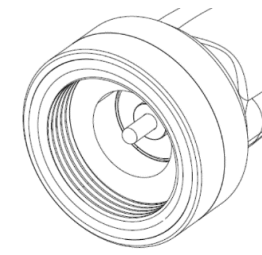
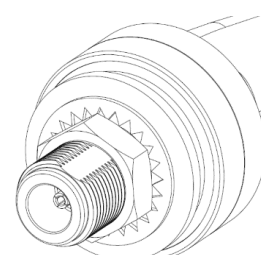
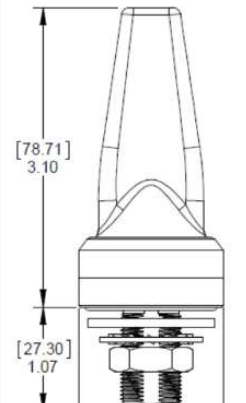
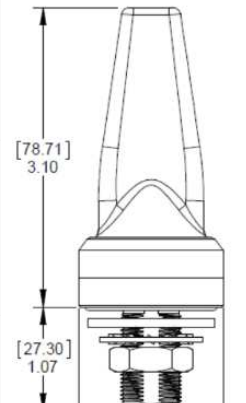
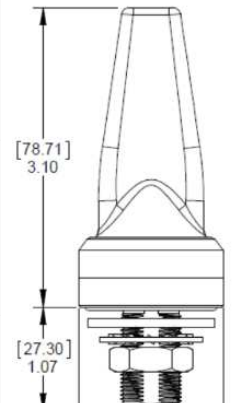


Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

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

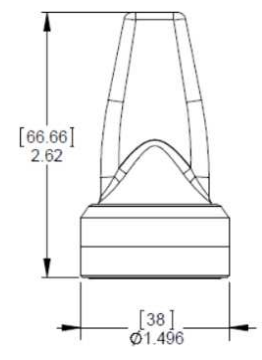
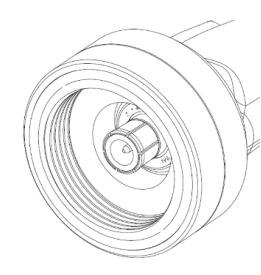
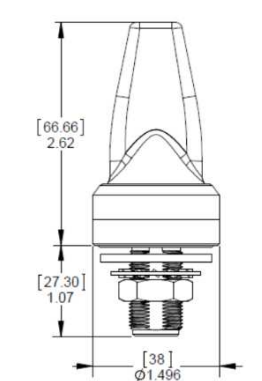
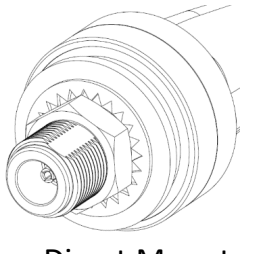
Project	Color	Frequency	Size	Fixing System Connector	
SLPT698/2170NMOHFW	White	698-960MHz 1710-2700MHz		 NMOHF NMO + HF Connector	
SLPT698/2170NMOHF	Black				
SLPT698/960NMOW	White	698-960MHz		 NMO + Pogo Pin Connector	
SLPT698/960NMO	Black				
SLPT806NMOW	White	806-960MHz			 Direct Mount N Female Connector (Screw 5/8-24 UNEF 2A)
SLPT806NMO	Black				
SLPT698/869DMNW	White	698-869MHz			
SLPT698/869DMN	Black				
SLPT806DMNW	White	806-960MHz			
SLPT806DMN	Black				
SLPT698/2170DMNW	White	698-960MHz 1710-2700MHz			
SLPT698/2170DMN	Black				

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
SLPT2400NMOHFW	White	2400-2500MHz		 NMOHF NMO + HF Connector
SLPT2400NMOHF	Black			
SLPT4900NMOHFW	White	4900-6000MHz		
SLPT4900NMOHF	Black			
SLPT245NMOHFW	White	2400-2500MHz 4900-6000MHz		
SLPT2400/5900NMOHF	Black			
SLPT2400DMNW	White	2400-2500MHz		 Direct Mount N Female Connector (Screw 5/8-24 UNEF 2A)
SLPT2400DMN	Black			
SLPT4900DMNW	White	4900-6000MHz		
SLPT4900DMN	Black			
SLPT2400/5900DMNW	White	2400-2500MHz 4900-6000MHz		
SLPT2400/5900DMN	Black			

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) 50W(50% duty cycle)
SLPT698/2170NMOHF					
SLPT698/960NMOW	698-960MHz	2:1	3.29dBi	68%	35W(100% duty cycle) 40W(50% duty cycle)
SLPT698/960NMO					
SLPT806NMOW	806-960MHz	2:1	3.18dBi	67%	35W(100% duty cycle) 40W(50% duty cycle)
SLPT806NMO					
SLPT698/869DMNW	698-869MHz	2:1	3.26dBi	72%	30W(100% duty cycle) 40W(50% duty cycle)
SLPT698/869DMN					
SLPT806DMNW	806-960MHz	2:1	3.05dBi	70%	40W(100% duty cycle) 45W(50% duty cycle)
SLPT806DMN					
SLPT698/2170DMNW	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%	40W(100% duty cycle) 50W(50% duty cycle)
SLPT698/2170DMN					

Issue: 1829

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Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

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% duty cycle)
SLPT4900NMOHF					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

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Description: ON-VEHICLE LOW PROFILE ANTENNA**Series: Shadow****PART NUMBER: Black: SLPTXXX / White: SLPTXXXW****MECHANICAL SPECIFICATIONS**

Plastic radome	PC
Color	White / Black
Ingress Protection	IP67

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40 ~ +85° C
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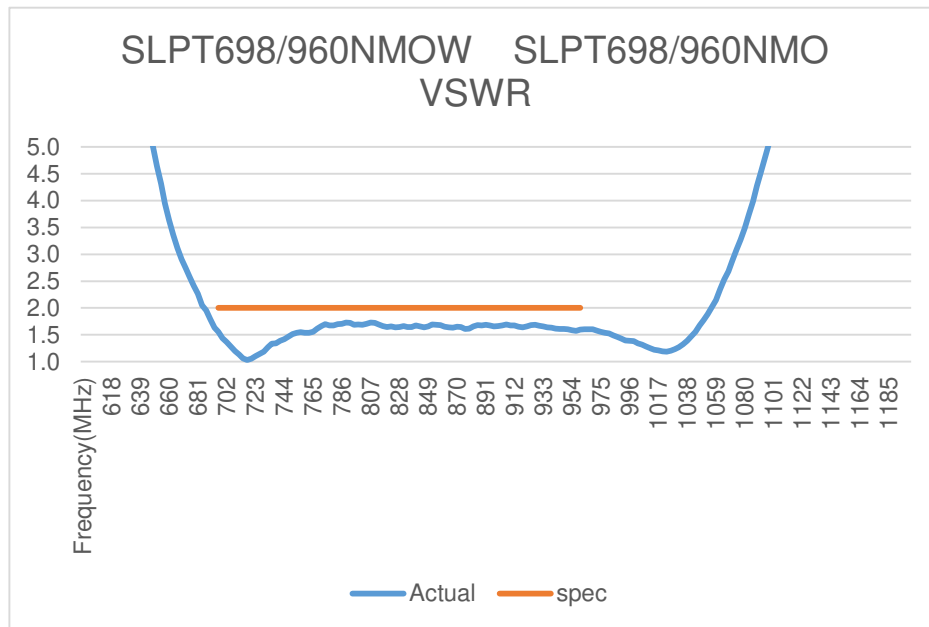
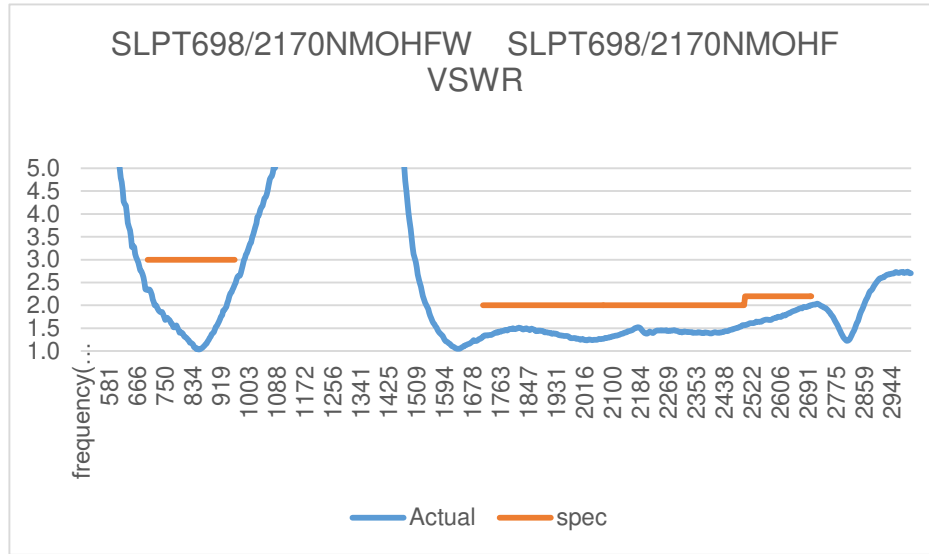
Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

VSWR



Issue: 1829

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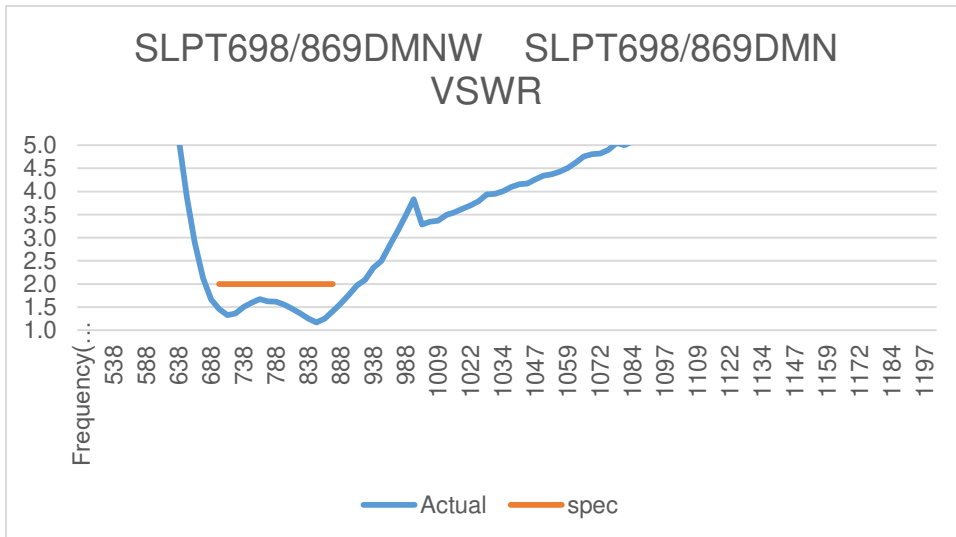
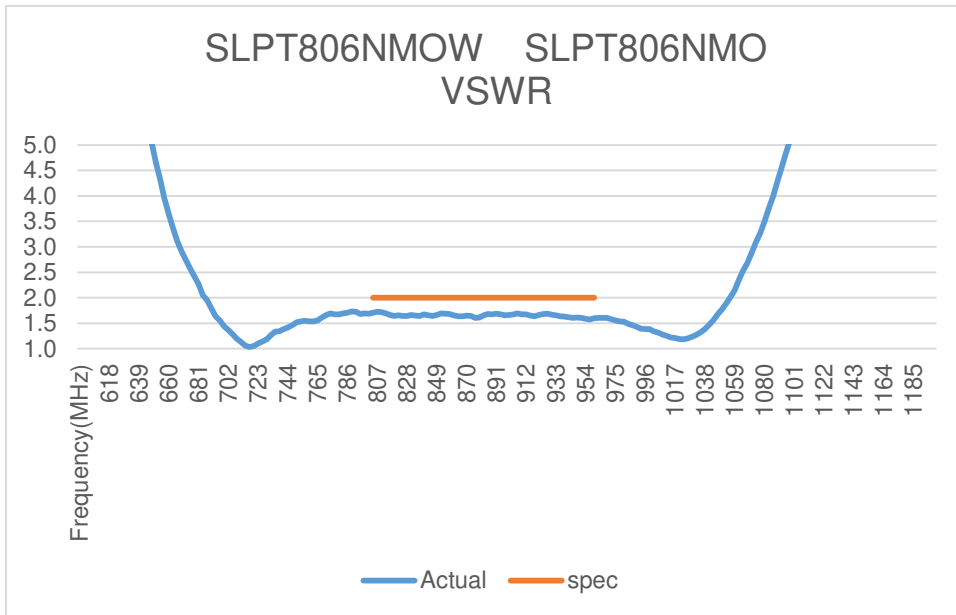
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CHARTS

VSWR



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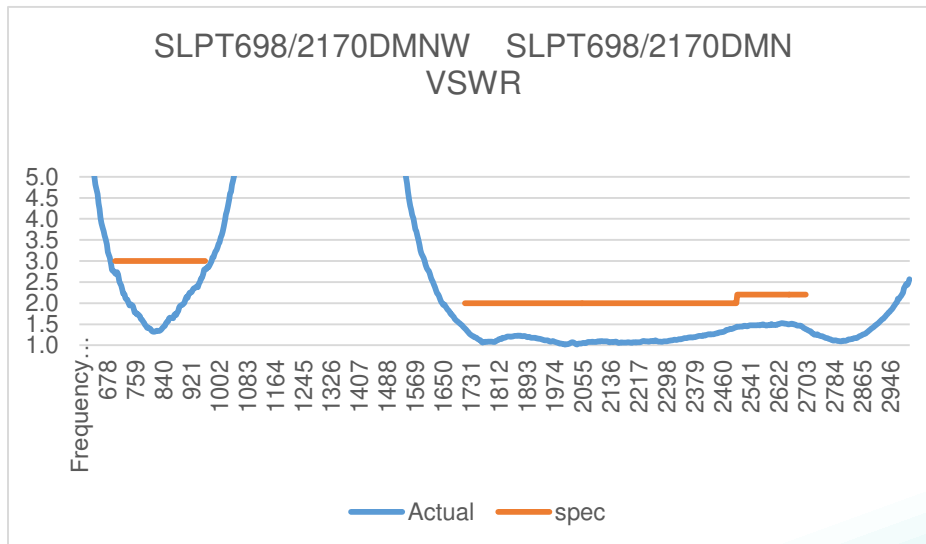
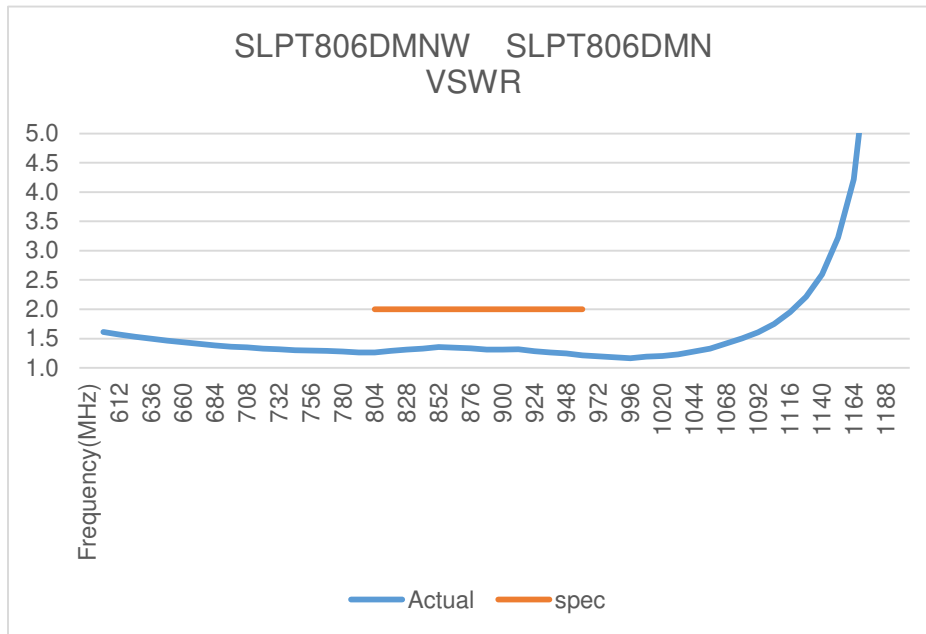
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CHARTS

VSWR



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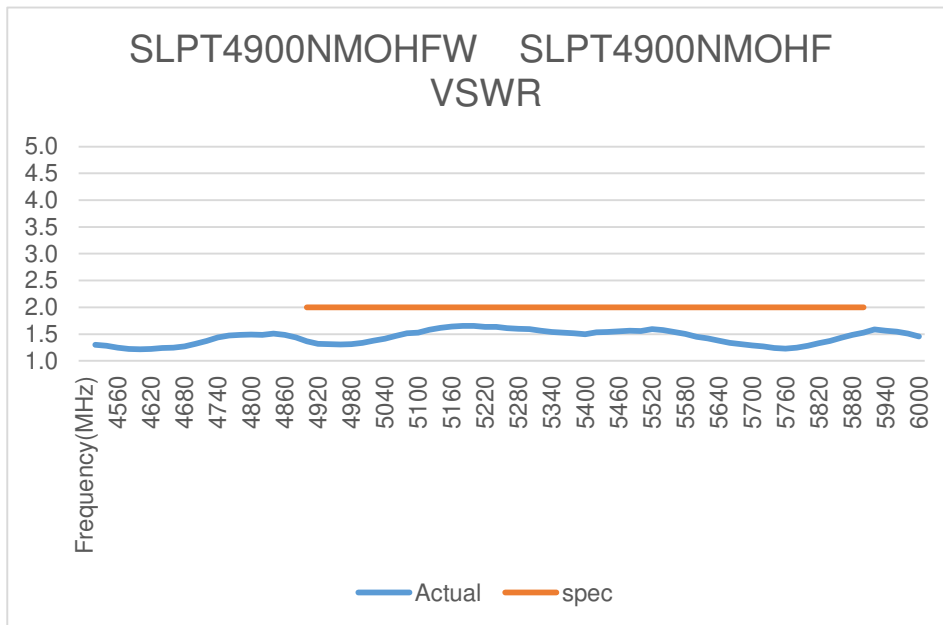
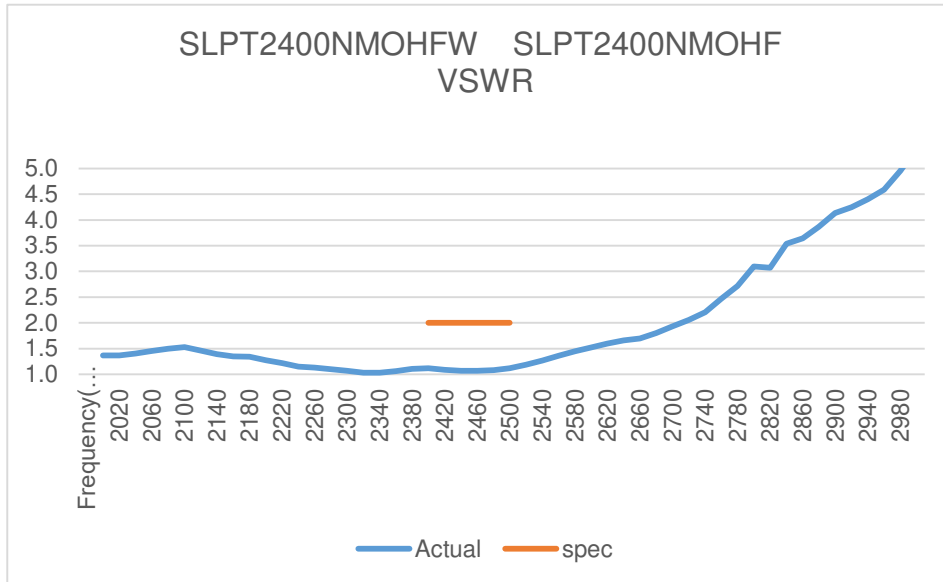
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CHARTS

VSWR



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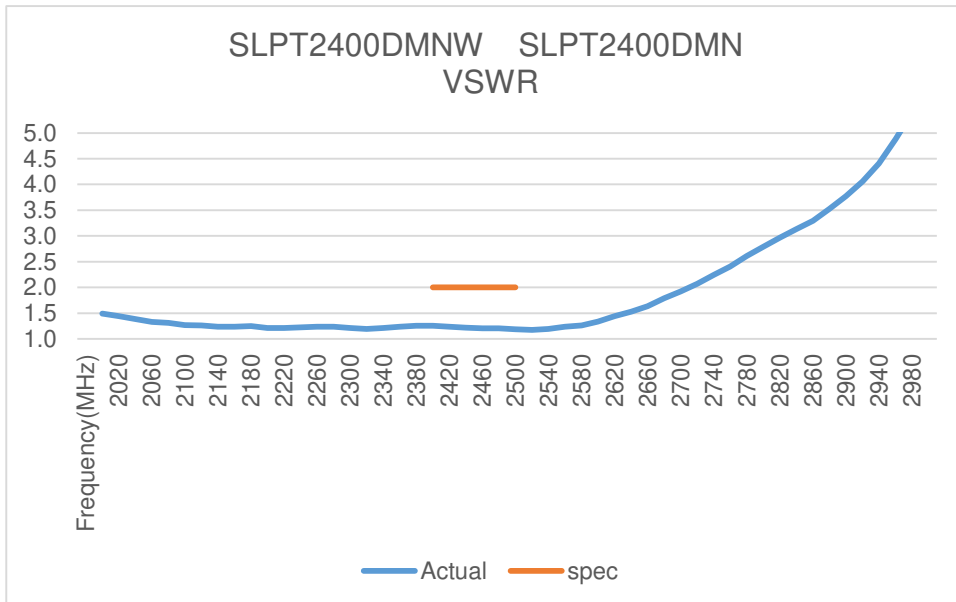
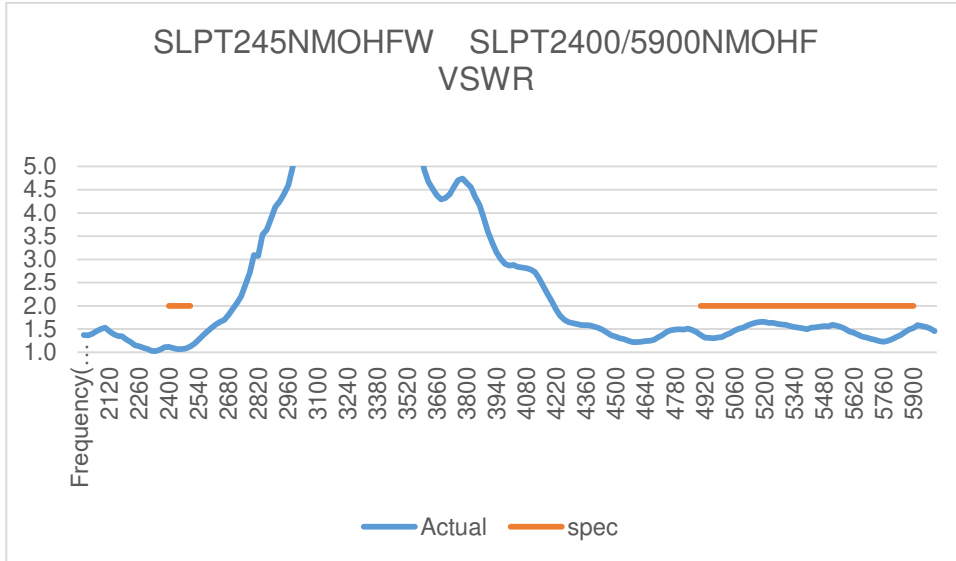
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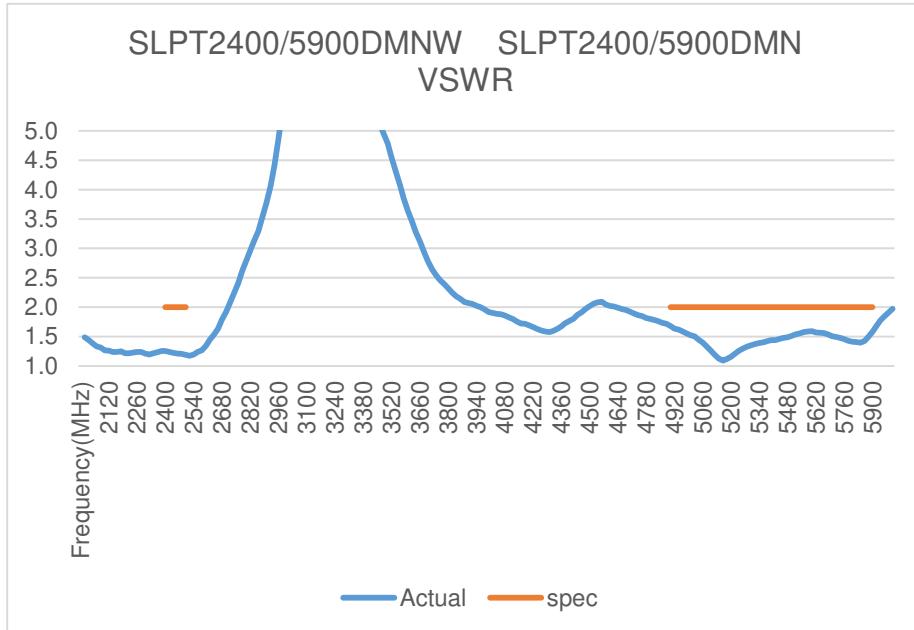
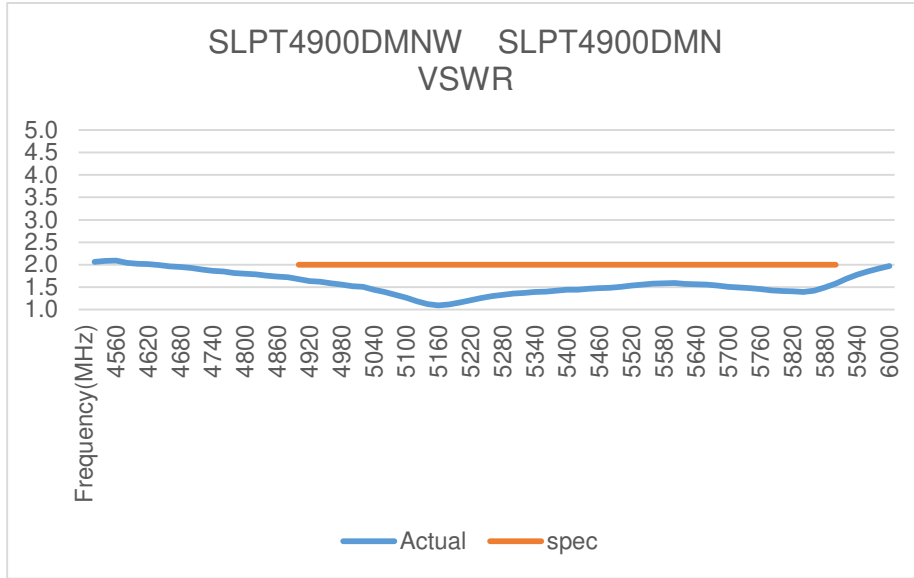
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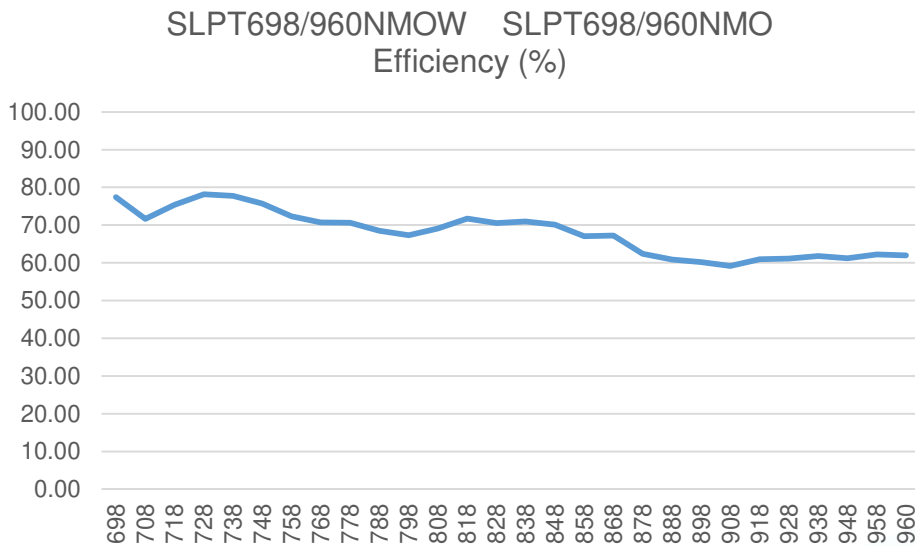
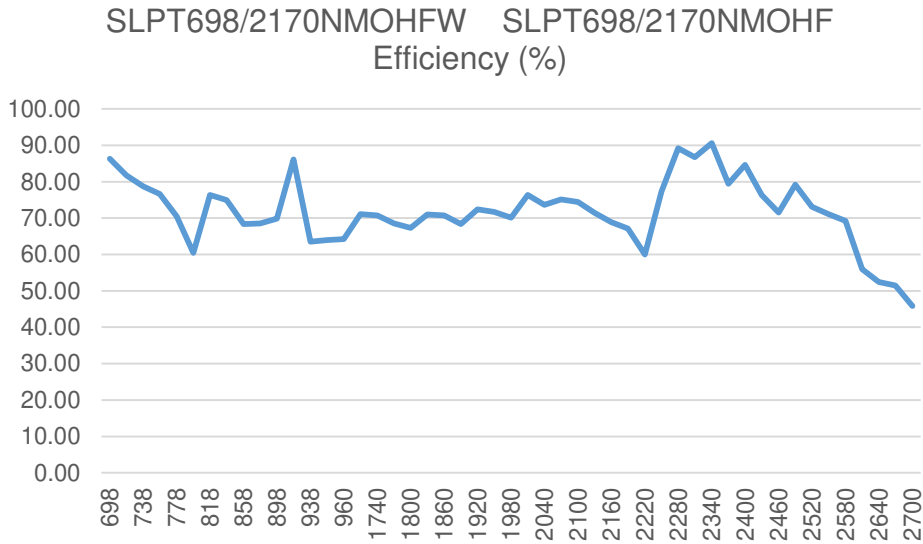
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CHARTS

Efficiency(%)



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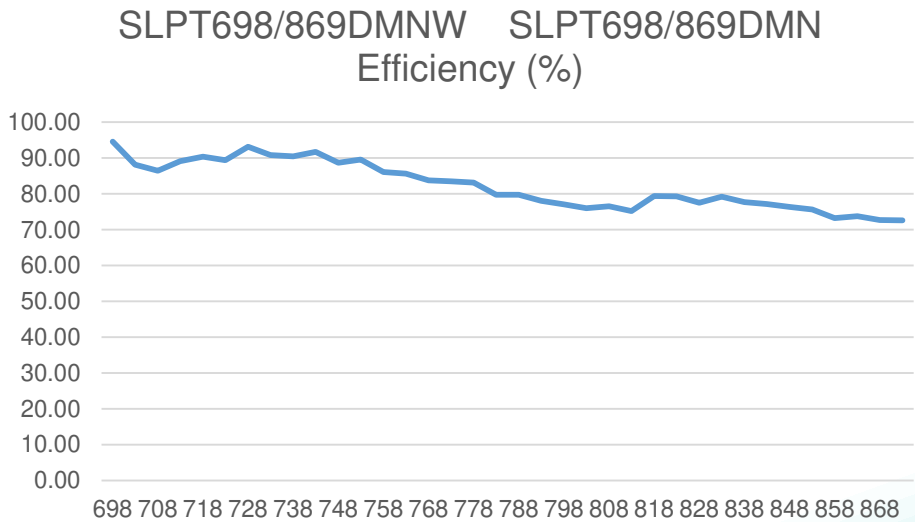
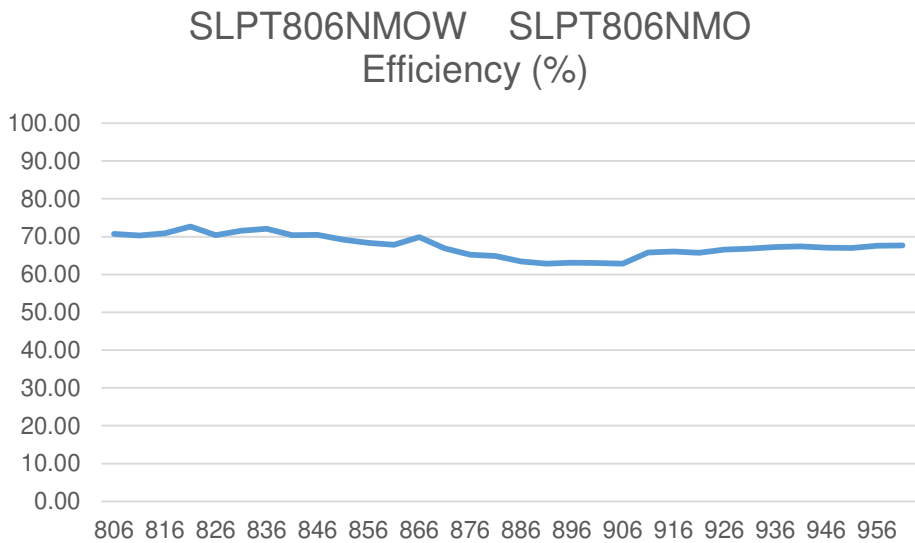
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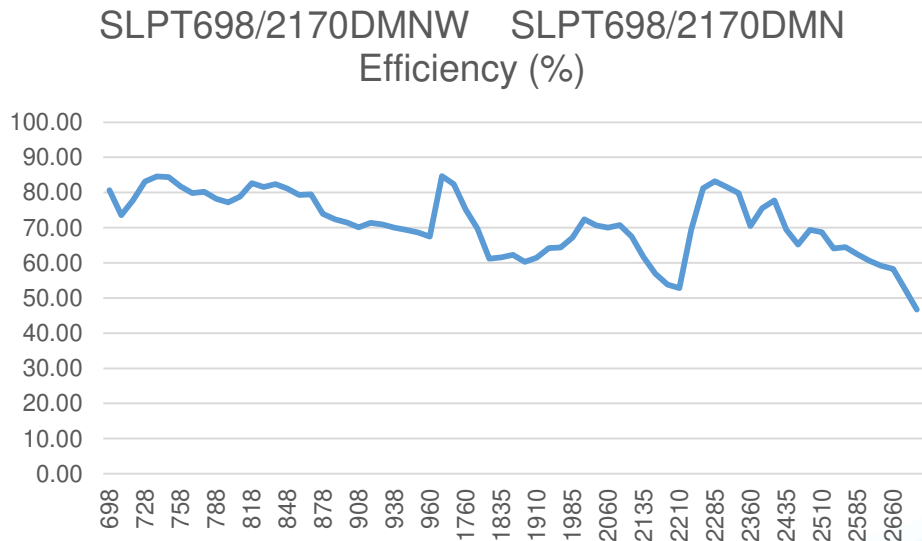
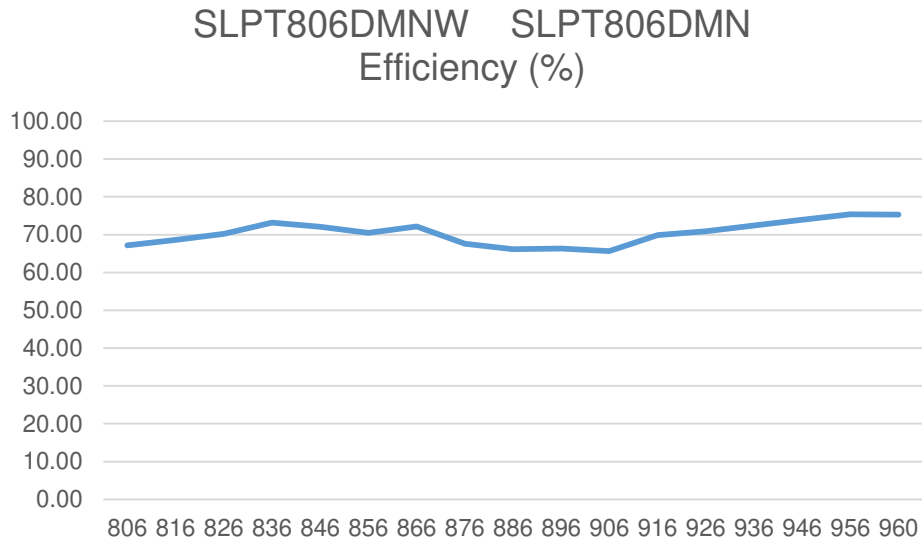
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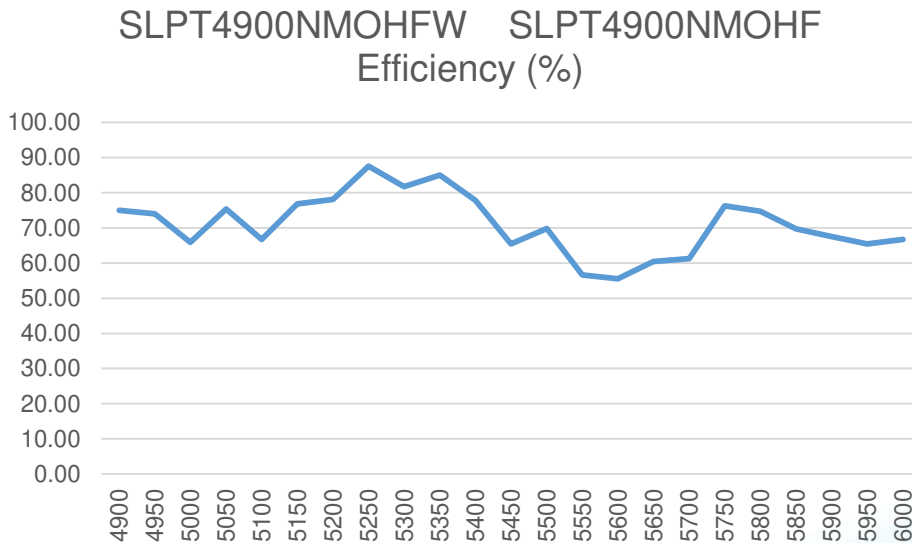
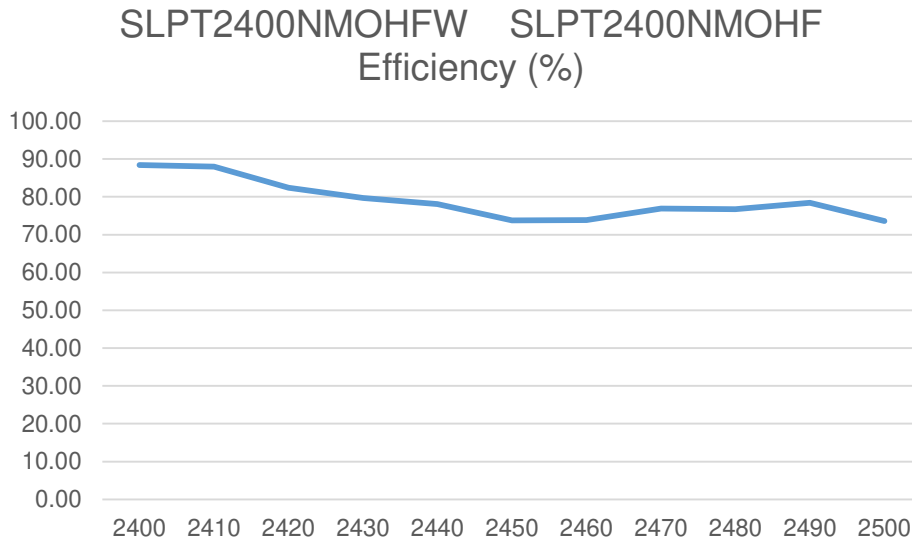
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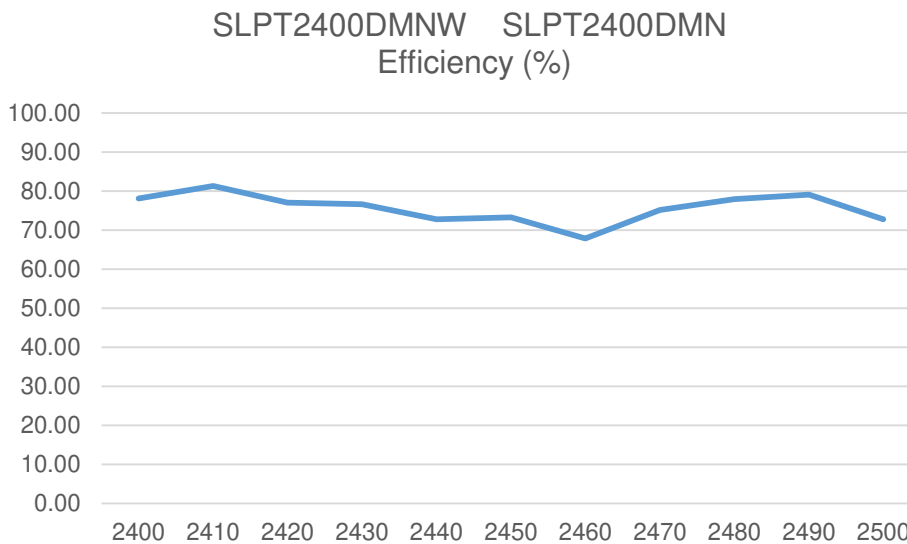
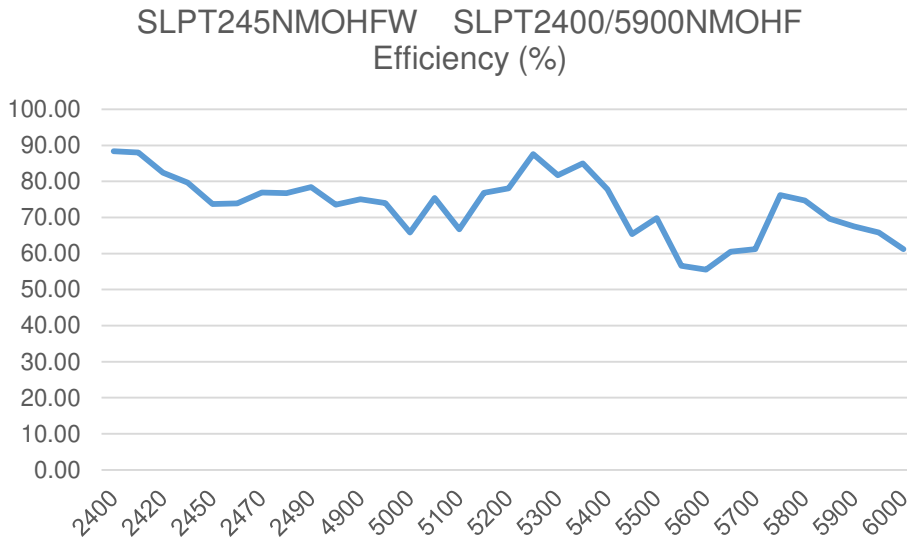
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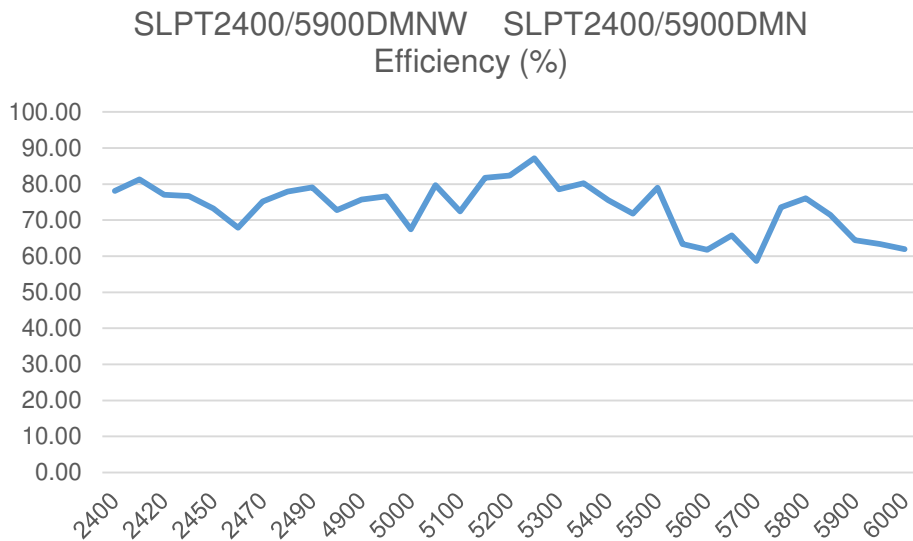
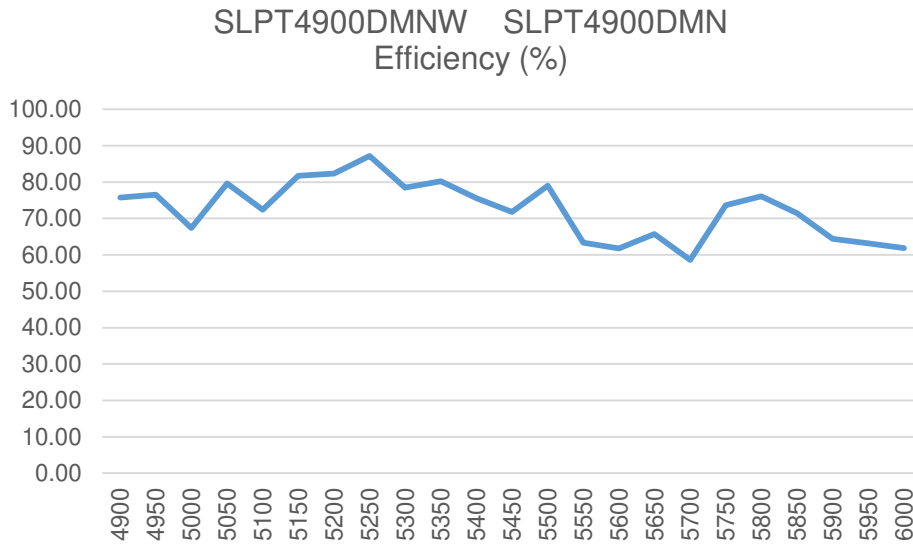
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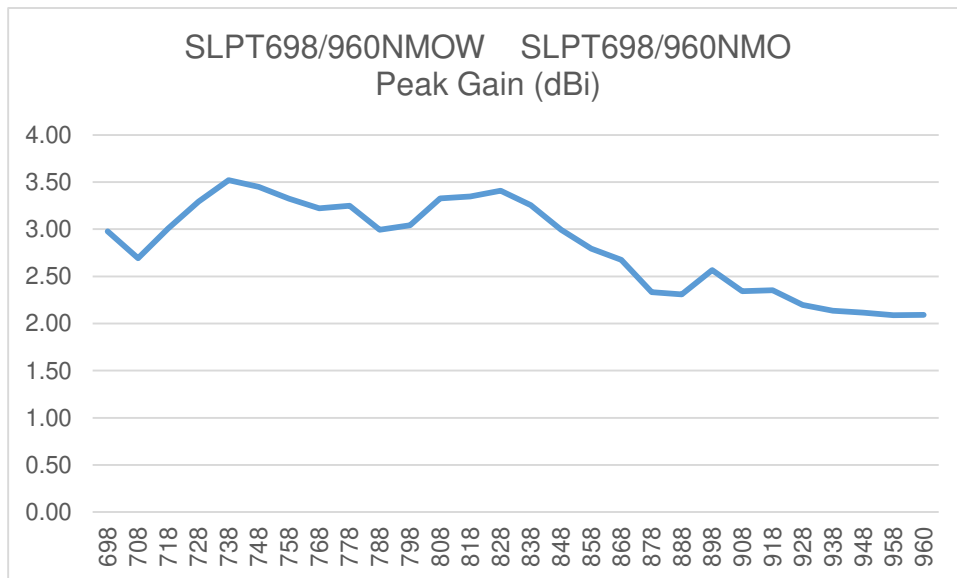
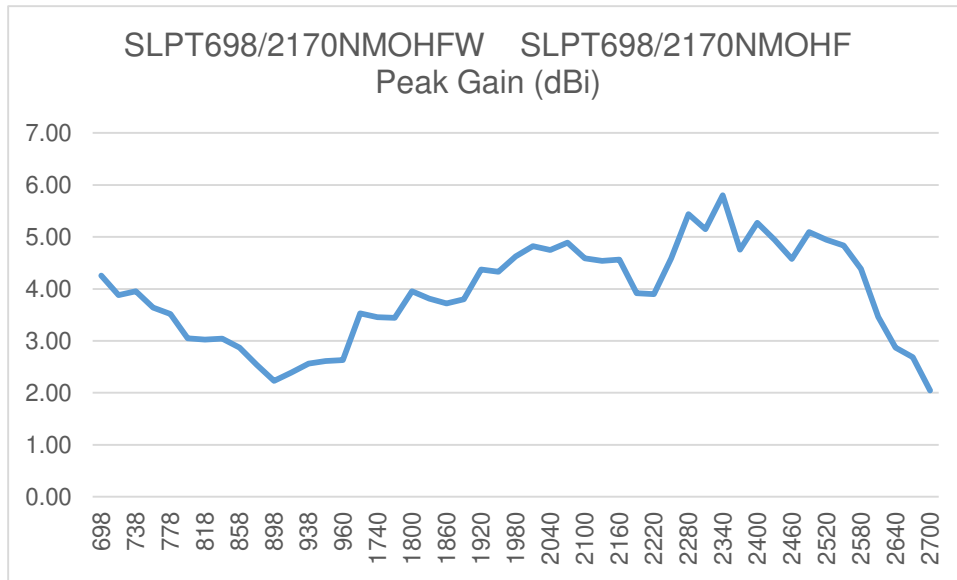
Description: ON-VEHICLE LOW PROFILE ANTENNA

Series: Shadow

PART NUMBER: Black: SLPTXXX / White: SLPTXXXW

CHARTS

Peak Gain (dBi)



Issue: 1829

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

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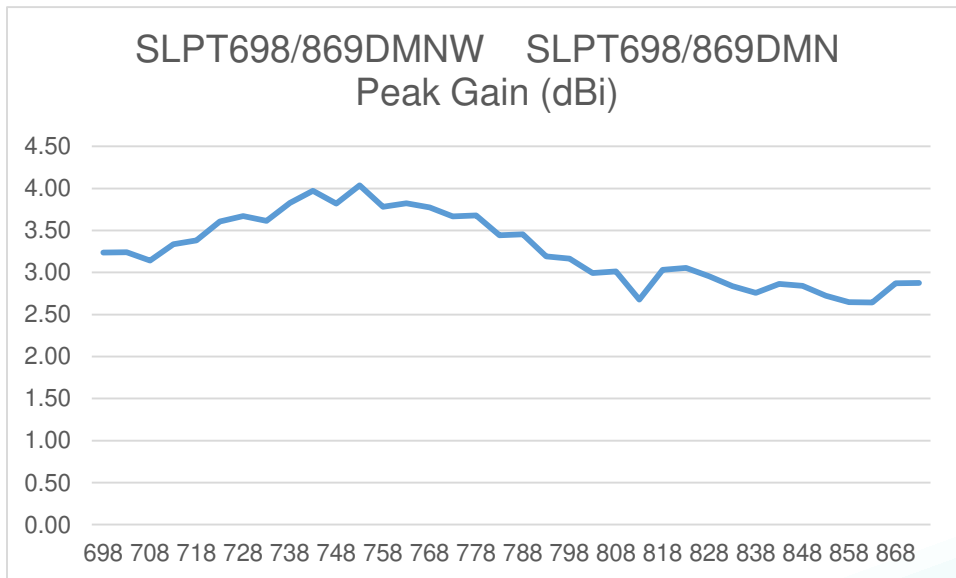
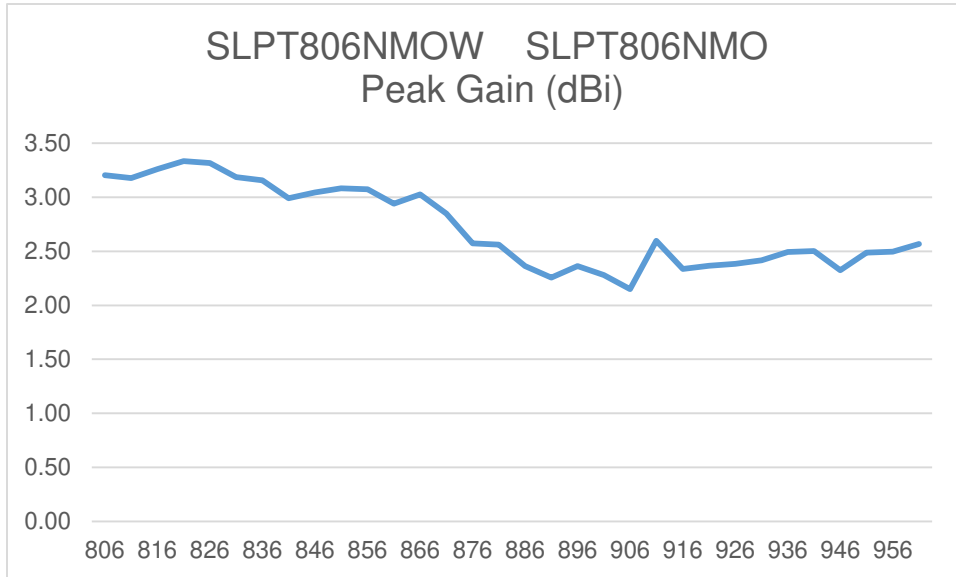
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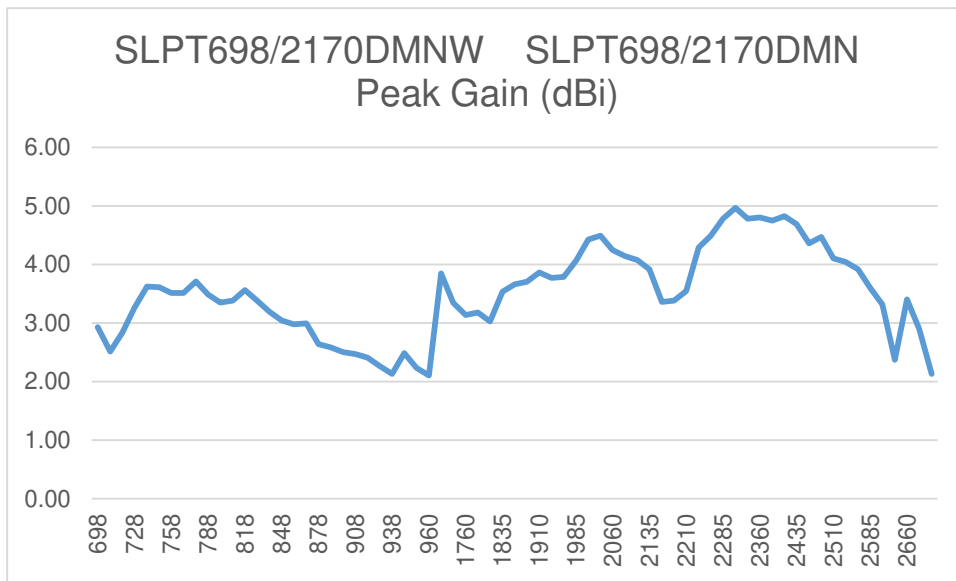
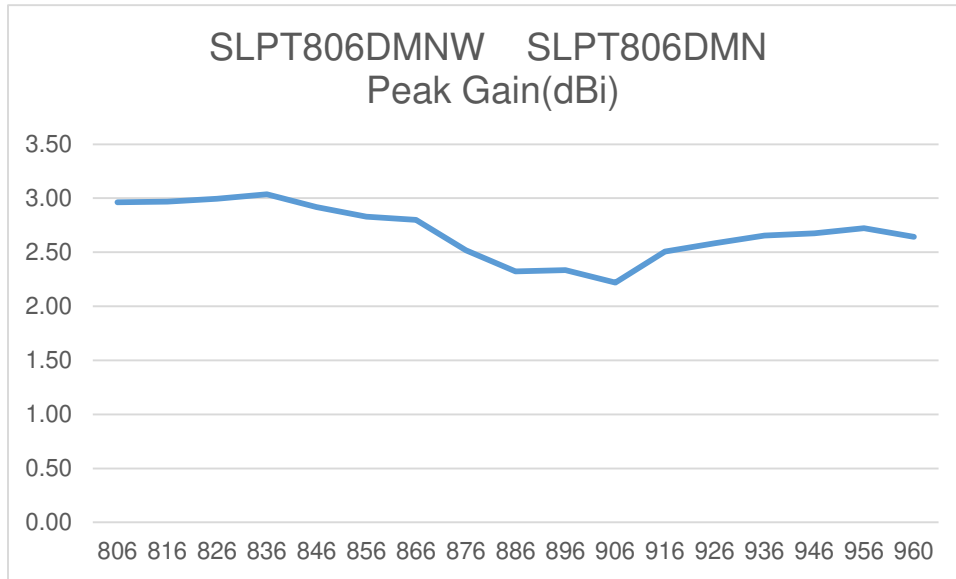
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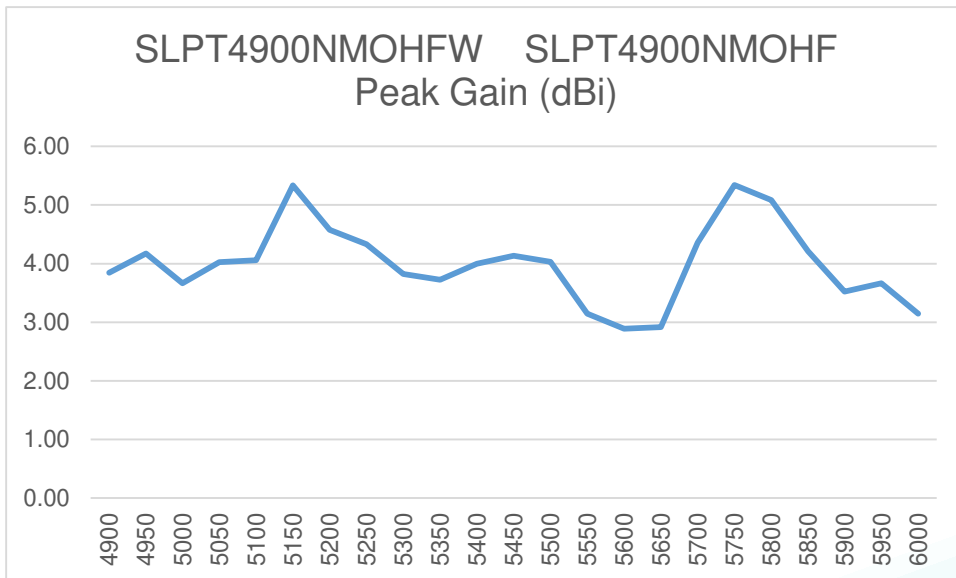
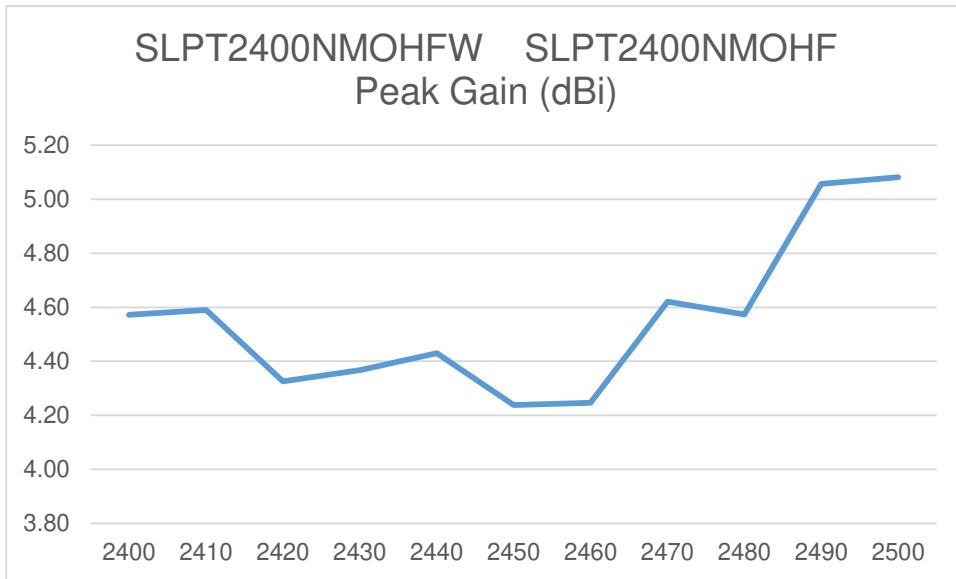
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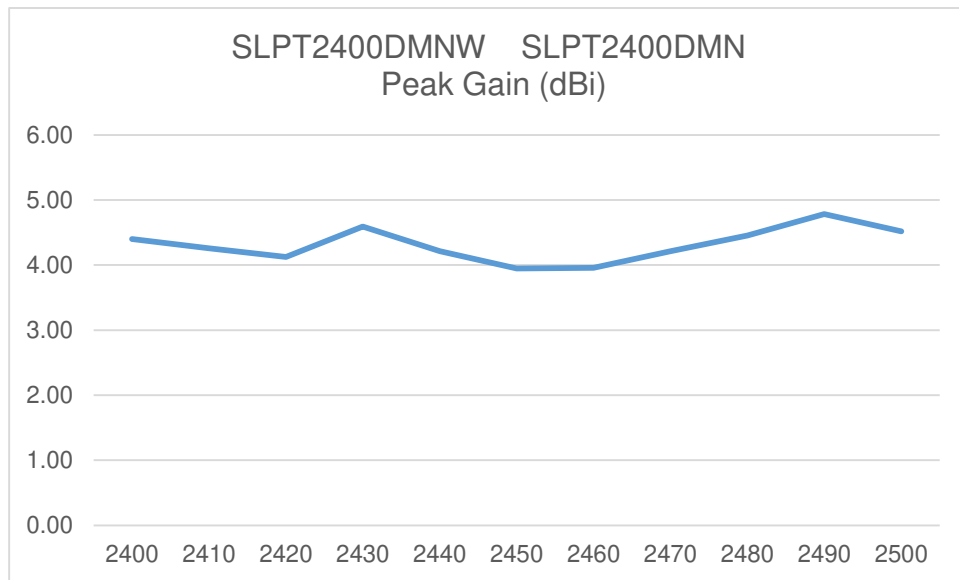
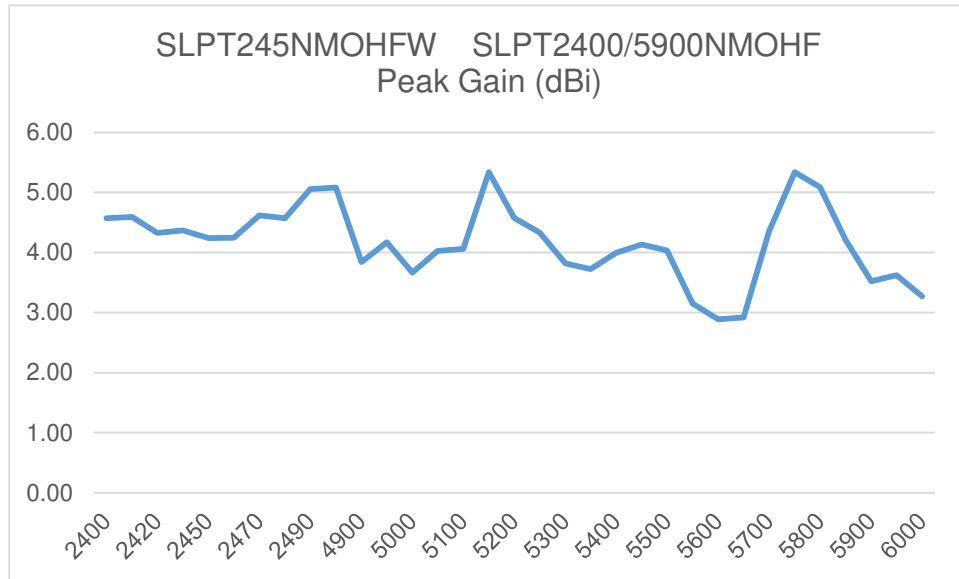
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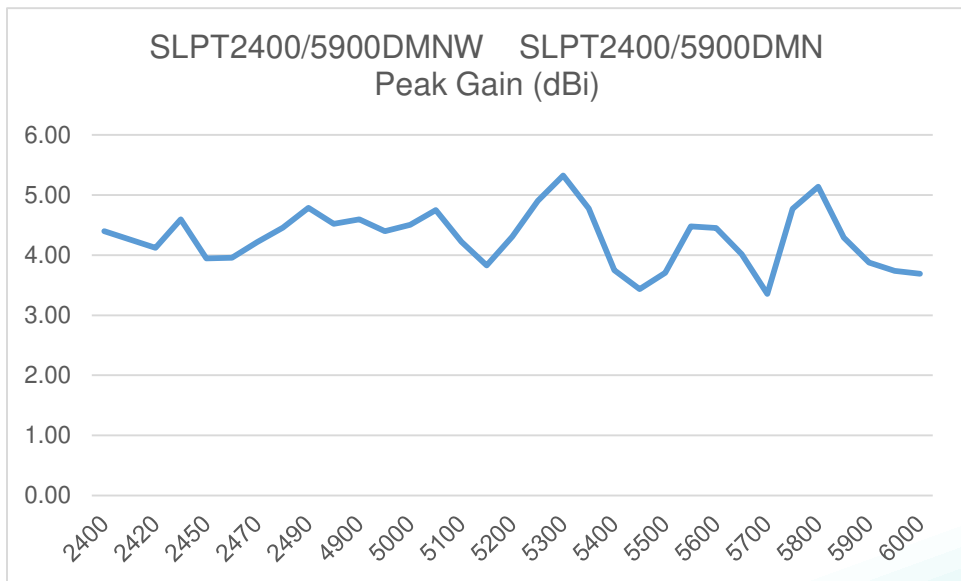
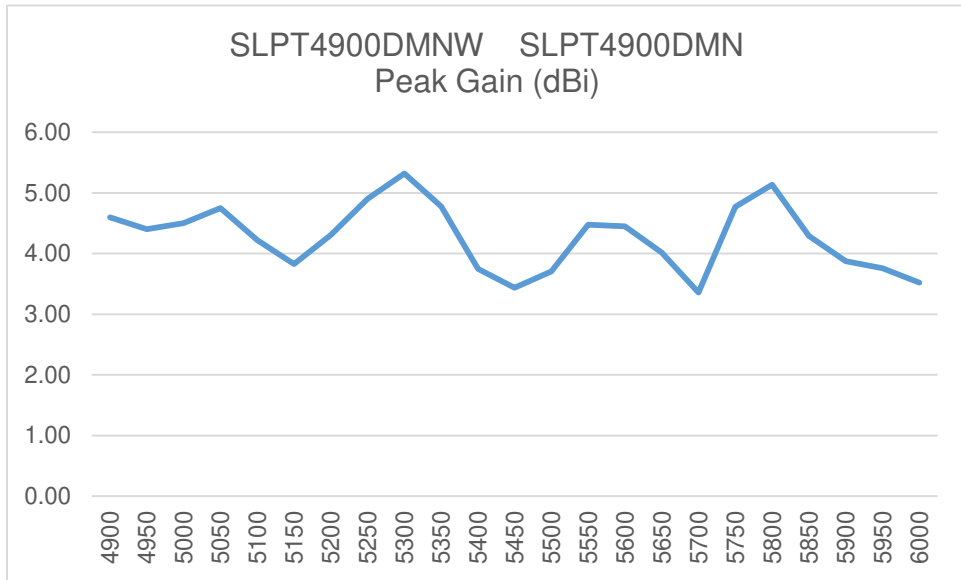
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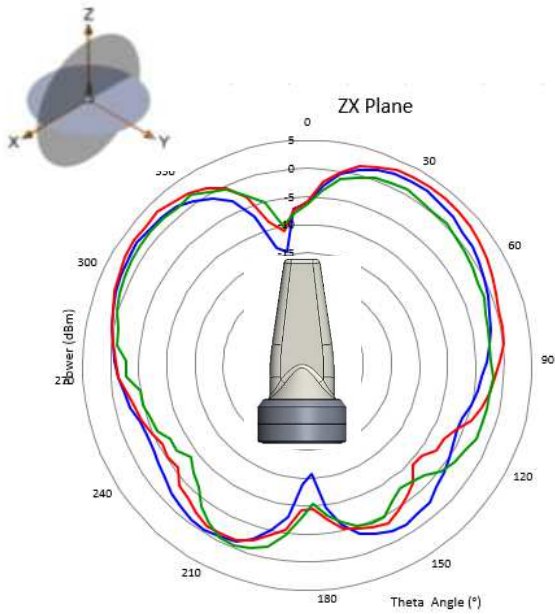
CHARTS

Free Space Radiation Pattern

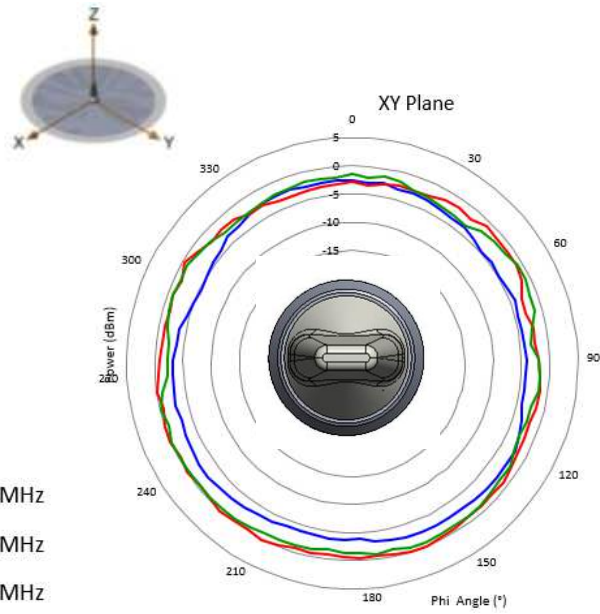
SLPT698/2170NMOHFW SLPT698/2170NMOHF

Elevation Plane

Horizontal Plane



— 698MHz
— 836MHz
— 960MHz



— 698MHz
— 836MHz
— 960MHz

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