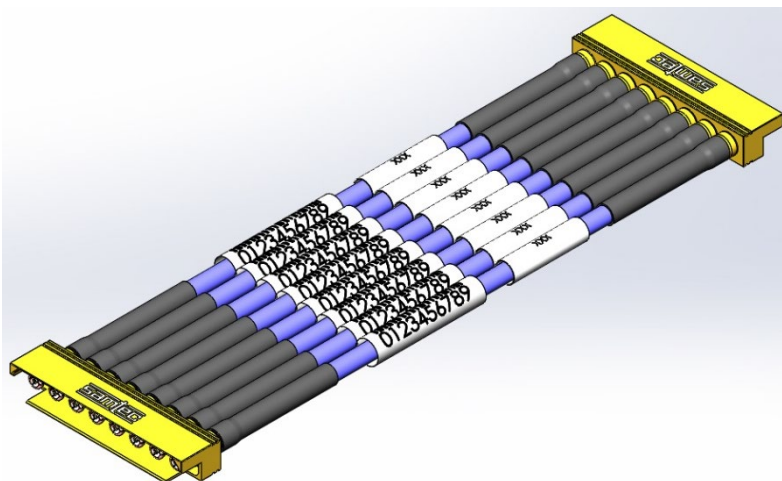




RF Characterization Report

GC86-1-08-XXXX



Test Date: Jan 2024

Description:

Magnum RF™ Ganged, Multi-Port SMPM Cable Assembly, .086" Cable

Series: GC86

Description: Magnum RF™ Ganged 50 Ohm Multi-Port SMPM Cable Assembly, .086" Cable

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Series: GC86

Description: Magnum RF™ Ganged 50 Ohm Multi-Port SMPM Cable Assembly, .086" Cable

Test Setup Information

Scope:

Provide standing wave ratio, return loss and insertion loss performance parameters for GC86 Multi-Port SMPM cable assembly.

Instrument Setup & Test Accessories:

Network Analyzer	Keysight PNA N5227B
Averaging Factor	1
Smoothing	Off
IF Bandwidth	1 KHz
Sweep Start	10 MHz
Sweep End	65 GHz
Points	6500
Test Cables	Gore 0F0CACB036.0-LF (DC to 67 GHz)

Calibration Type:

A Keysight electrical calibration is performed for N5227B using the Keysight ECAL 4694A.

Calibration Kit	Keysight ECAL 4694A
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Adapter Use:

SMPM adapters CentricRF C4393 were used for the measurement, the adapter effects were removed from the measurement using Keysight AFR in PLTS.

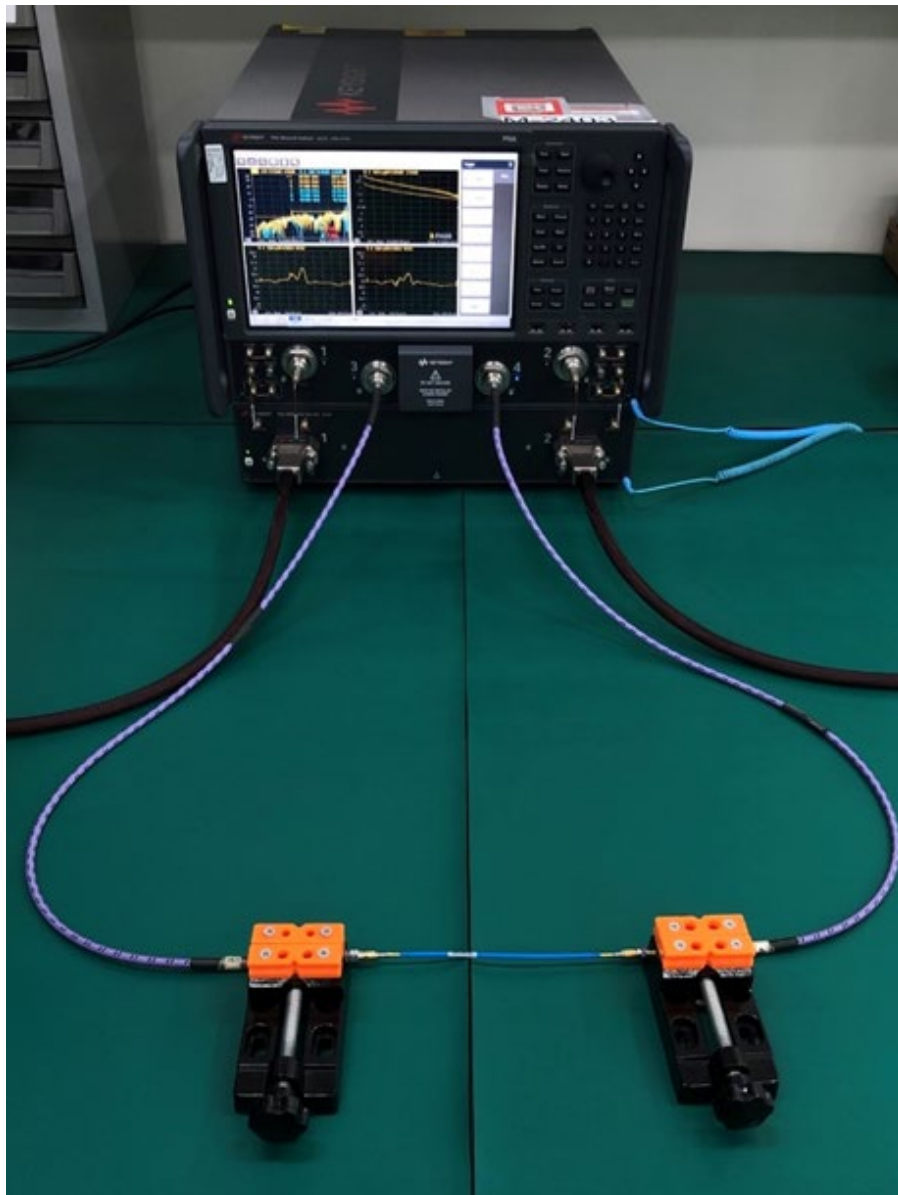
Series: GC86

Description: Magnum RF™ Ganged 50 Ohm Multi-Port SMPM Cable Assembly, .086" Cable

GC86-1-08-XXXX Test Definition

Part Number	End 1	End 2
GC86-1-08-XXXX	SMPM Jack	SMPM Jack

Connector Under Test:



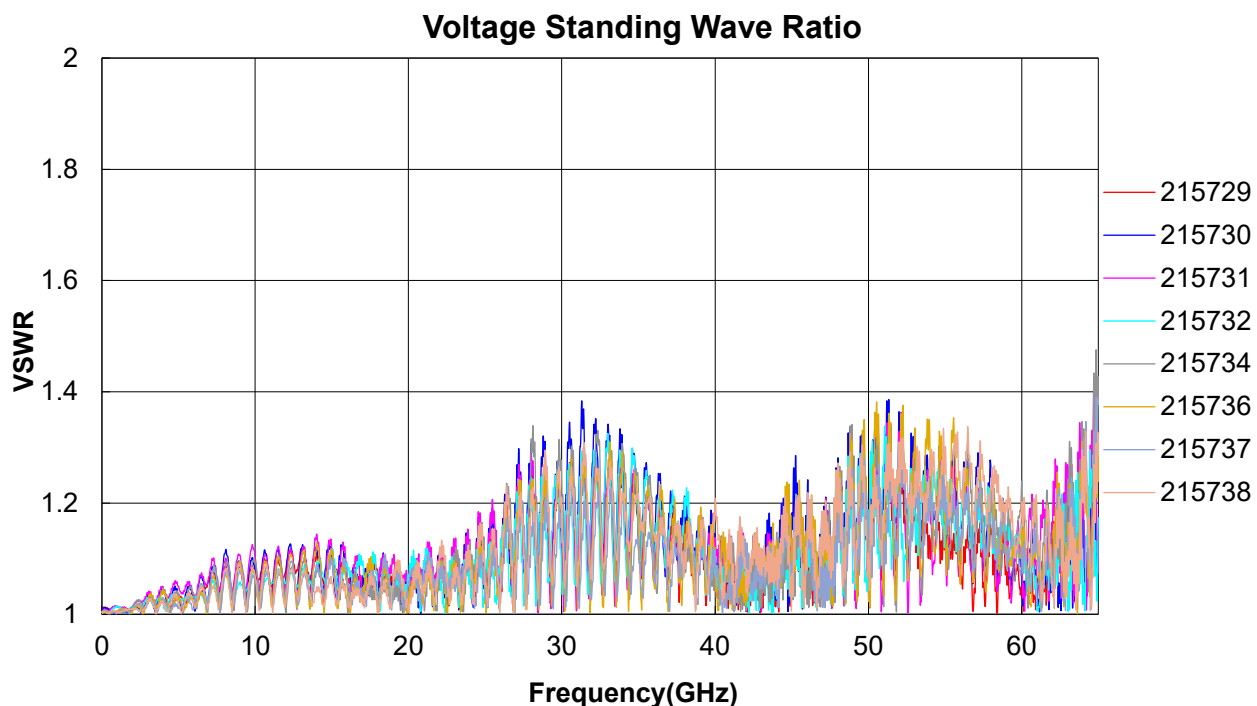
Series: GC86

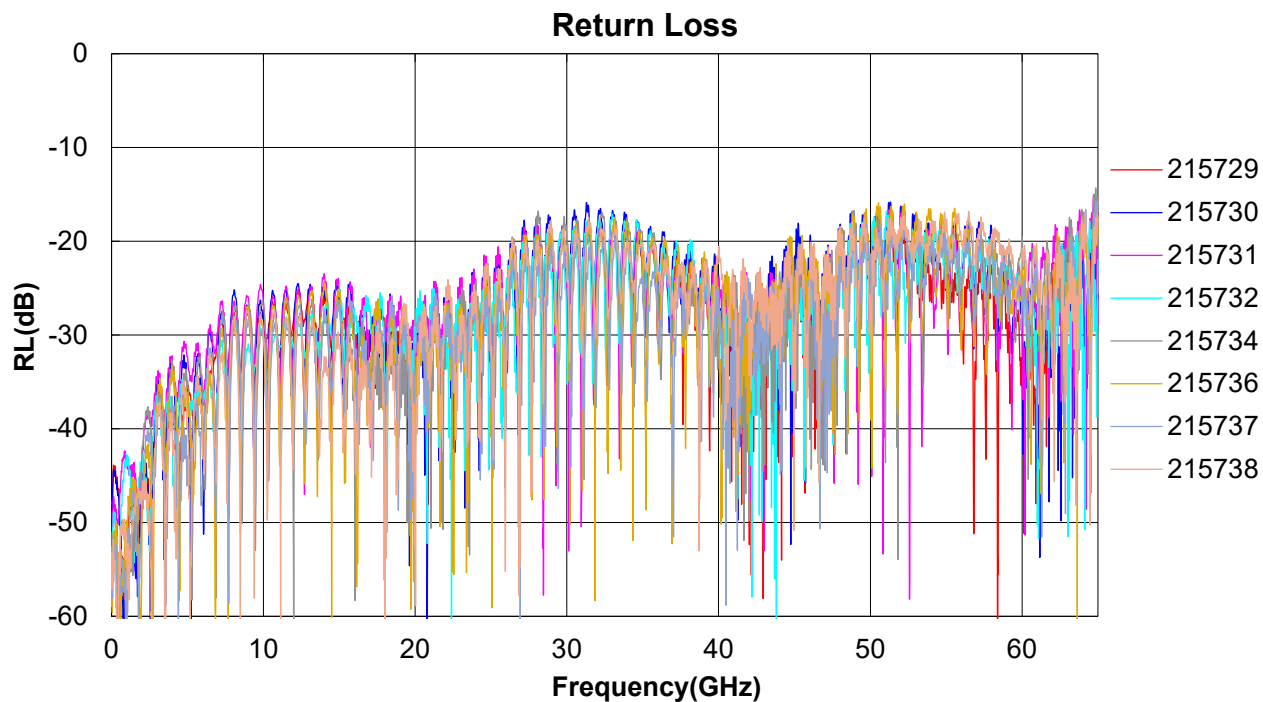
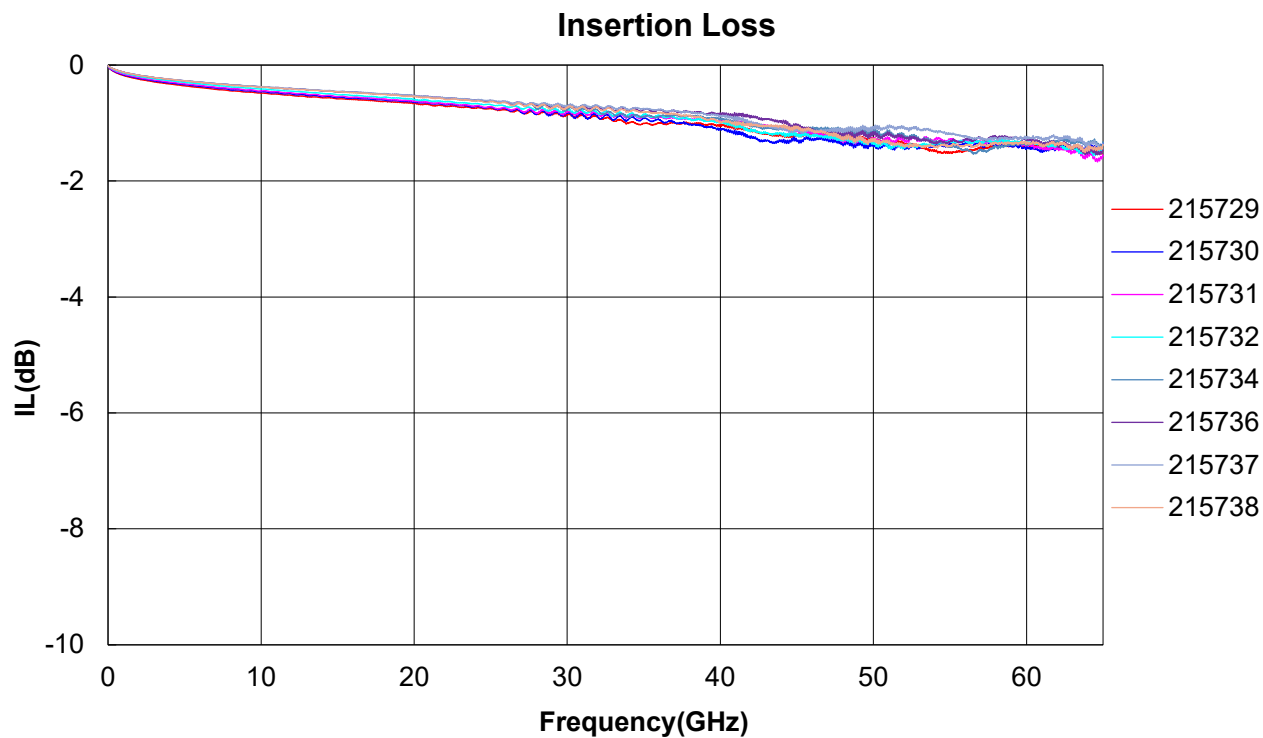
Description: Magnum RF™ Ganged 50 Ohm Multi-Port SMPM Cable Assembly, .086" Cable

Results: GC86-1-08-0152

Description: GC86 Cable Assembly			
Sample	VSWR(max) DC to 65 GHz	RL(max) DC to 65 GHz	IL(min) DC to 65 GHz
215729	1.32 @ 63.91 GHz	-17.17 @ 63.91 GHz	-1.54 dB @ 64.77 GHz
215730	1.40 @ 51.33 GHz	-15.57 @ 51.33 GHz	-1.51 dB @ 61.02 GHz
215731	1.42 @ 64.71 GHz	-15.19 @ 64.71 GHz	-1.67 dB @ 64.63 GHz
215732	1.34 @ 51.20 GHz	-16.72 @ 51.20 GHz	-1.56 dB @ 64.36 GHz
215734	1.41 @ 64.85 GHz	-15.32 @ 64.85 GHz	-1.53 dB @ 56.51 GHz
215736	1.37 @ 63.92 GHz	-16.21 @ 63.92 GHz	-1.55 dB @ 64.79 GHz
215737	1.40 @ 63.92 GHz	-15.51 @ 63.92 GHz	-1.45 dB @ 64.78 GHz
215738	1.37 @ 51.33 GHz	-16.08 @ 51.33 GHz	-1.51 dB @ 63.83 GHz

VSWR



Series: GC86**Description:** Magnum RF™ Ganged 50 Ohm Multi-Port SMPM Cable Assembly, .086" Cable**Return Loss****Insertion Loss**

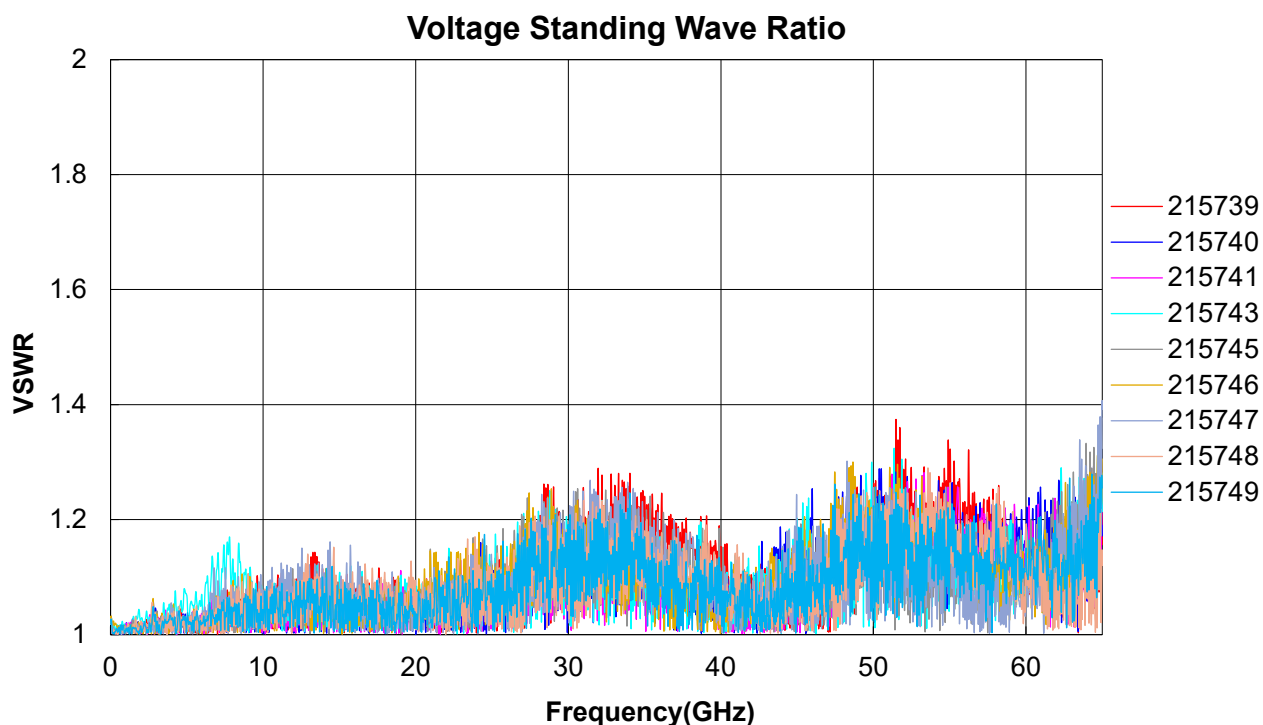
Series: GC86

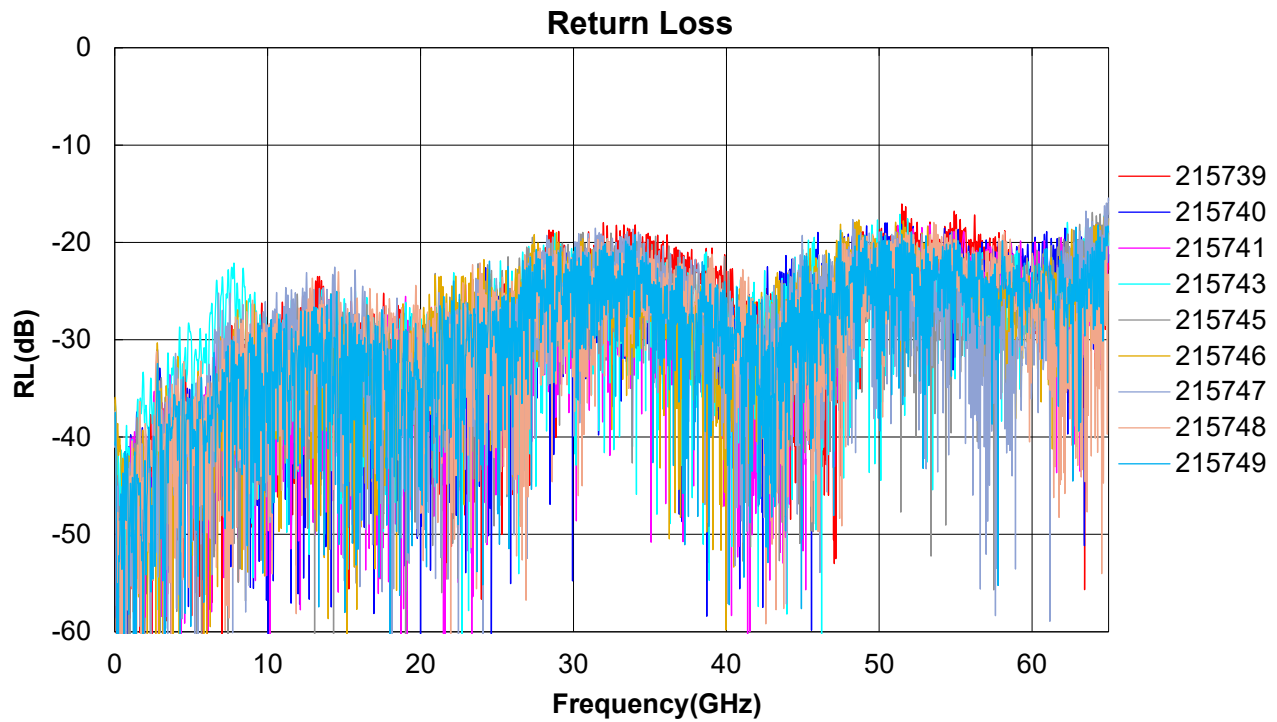
Description: Magnum RF™ Ganged 50 Ohm Multi-Port SMPM Cable Assembly, .086" Cable

Results: GC86-1-08-1000

Description: GC86 Cable Assembly			
Sample	VSWR(max) DC to 65 GHz	RL(max) DC to 65 GHz	IL(min) DC to 65 GHz
215739	1.40 @ 51.48 GHz	-15.57 @ 51.48 GHz	-6.45 dB @ 64.91 GHz
215740	1.36 @ 64.71 GHz	-16.26 @ 64.71 GHz	-6.59 dB @ 64.92 GHz
215741	1.36 @ 64.70 GHz	-16.25 @ 64.70 GHz	-6.74 dB @ 64.91 GHz
215743	1.34 @ 49.90 GHz	-16.84 @ 49.90 GHz	-6.95 dB @ 64.91 GHz
215745	1.38 @ 51.48 GHz	-15.86 @ 51.48 GHz	-6.79 dB @ 64.91 GHz
215746	1.31 @ 63.91 GHz	-17.48 @ 63.91 GHz	-6.61 dB @ 64.65 GHz
215747	1.37 @ 50.81 GHz	-16.23 @ 50.81 GHz	-6.66 dB @ 64.92 GHz
215748	1.35 @ 64.71 GHz	-16.48 @ 64.71 GHz	-6.33 dB @ 64.78 GHz
215749	1.34 @ 64.32 GHz	-16.75 @ 64.32 GHz	-6.56 dB @ 64.80 GHz

VSWR



Series: GC86**Description:** Magnum RF™ Ganged 50 Ohm Multi-Port SMPM Cable Assembly, .086" CableReturn LossInsertion Loss