



SUMMARY TEST ON DD-8G18G-N-RAD-MF-ROHS

Customer: _____
 SO No: _____
 Model No: DD-8G18G-N-RAD-MF-ROHS
 Serial No: Demo - PMI

Tested By: Alfredo Lopez
 Temperature: +25°C
 Date: 6/11/2026
 Drawing No: _____ Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Operating Frequency:	8 to 18 GHz	8 to 18 GHz	
2	Video Output:	Negative Polarity	NEGATIVE	
3	Flatness	±0.7 dB Typ.	±0.48 dB See Graph	
4	Voltage Sensitivity:	1600 mV/μW Min. Square-law region (-36 to -25 dBm)	2485.73 mV/mW See Graph	
5	Pulse Response:	Not specified	Rise time: 4.20 ns Fall time: 2 ns See plots	
6	Maximum Input Power:	+23 dBm Max.	Pass See Graphs	
7	Tangential Sensitivity (TSS):	Not specified	-55 dBm See plots	

Electrical Specifications Notes:

Voltage sensitivity is specified under open-circuit load conditions.

TSS is measured using a 200 MHz video bandwidth (VBW) and a 2 dB noise figure (NF) low-noise amplifier (LNA).

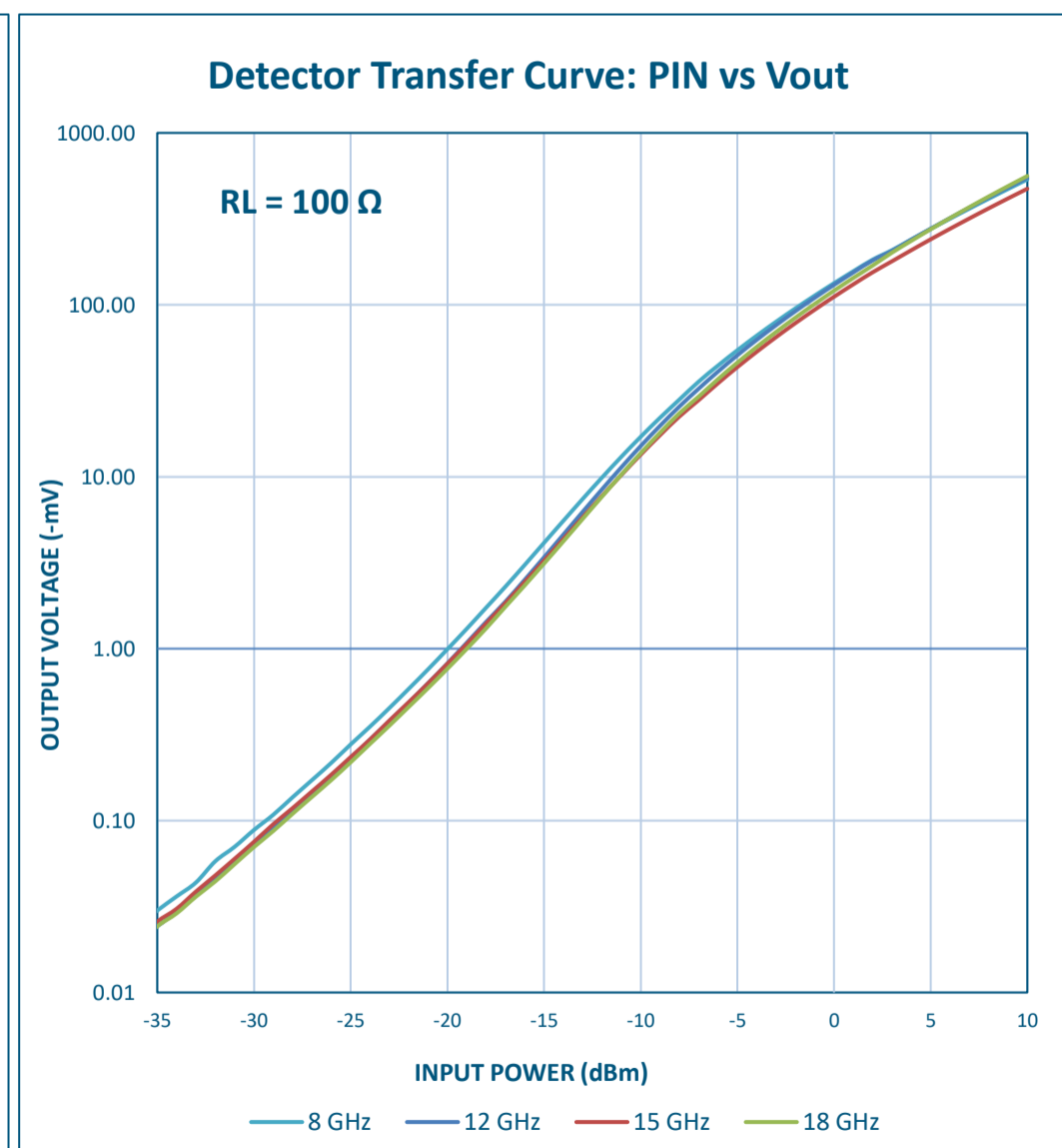
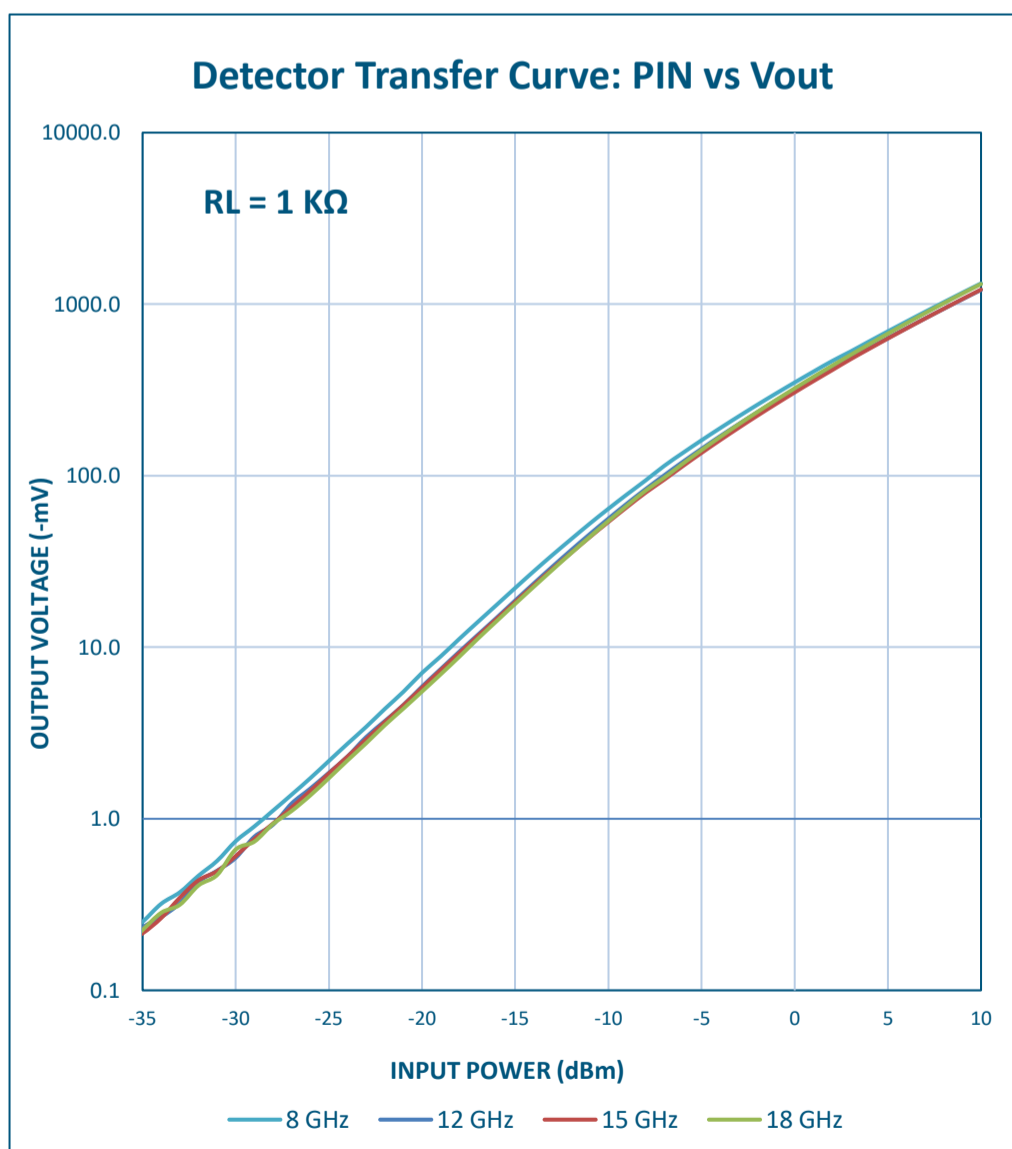
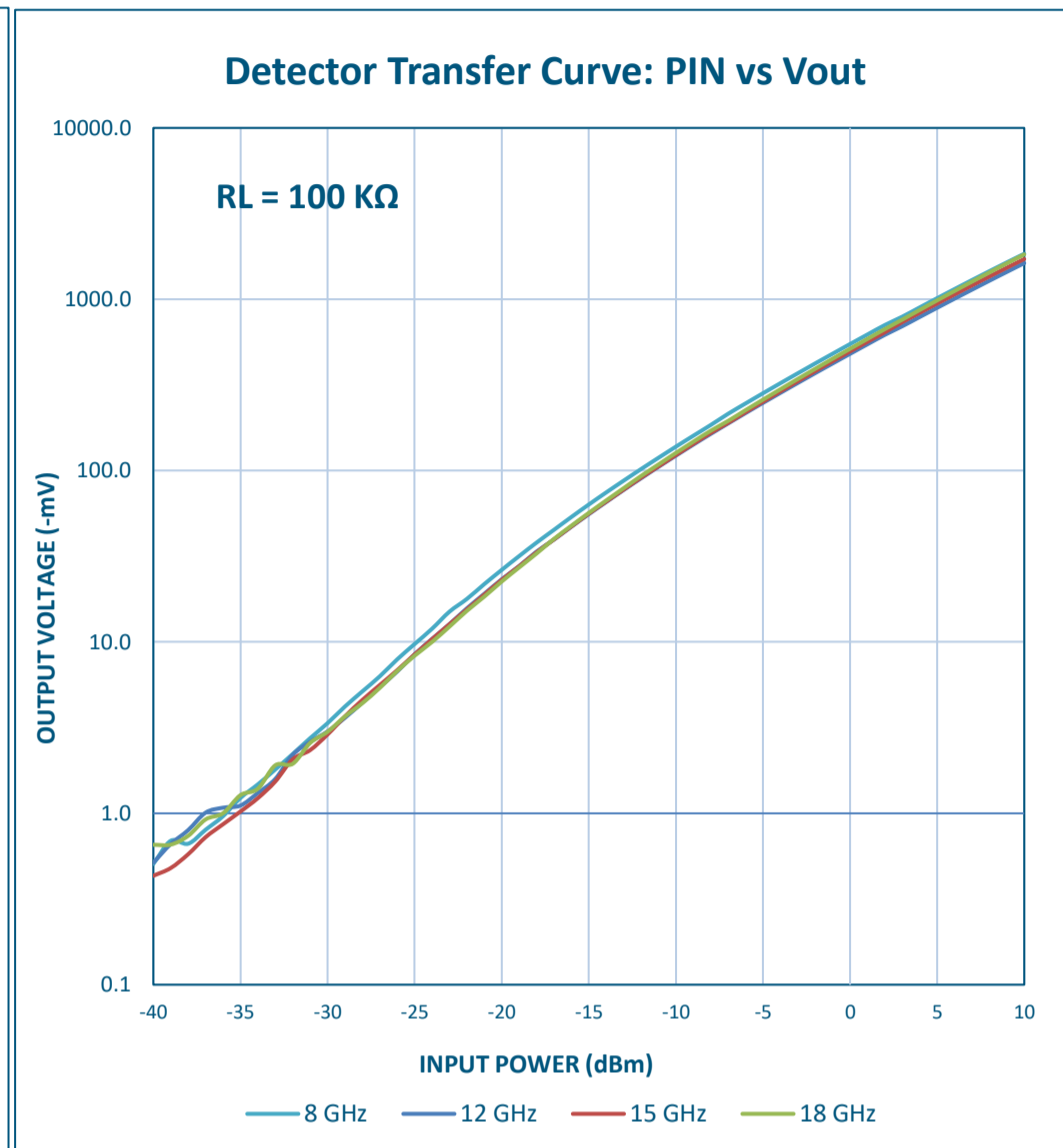
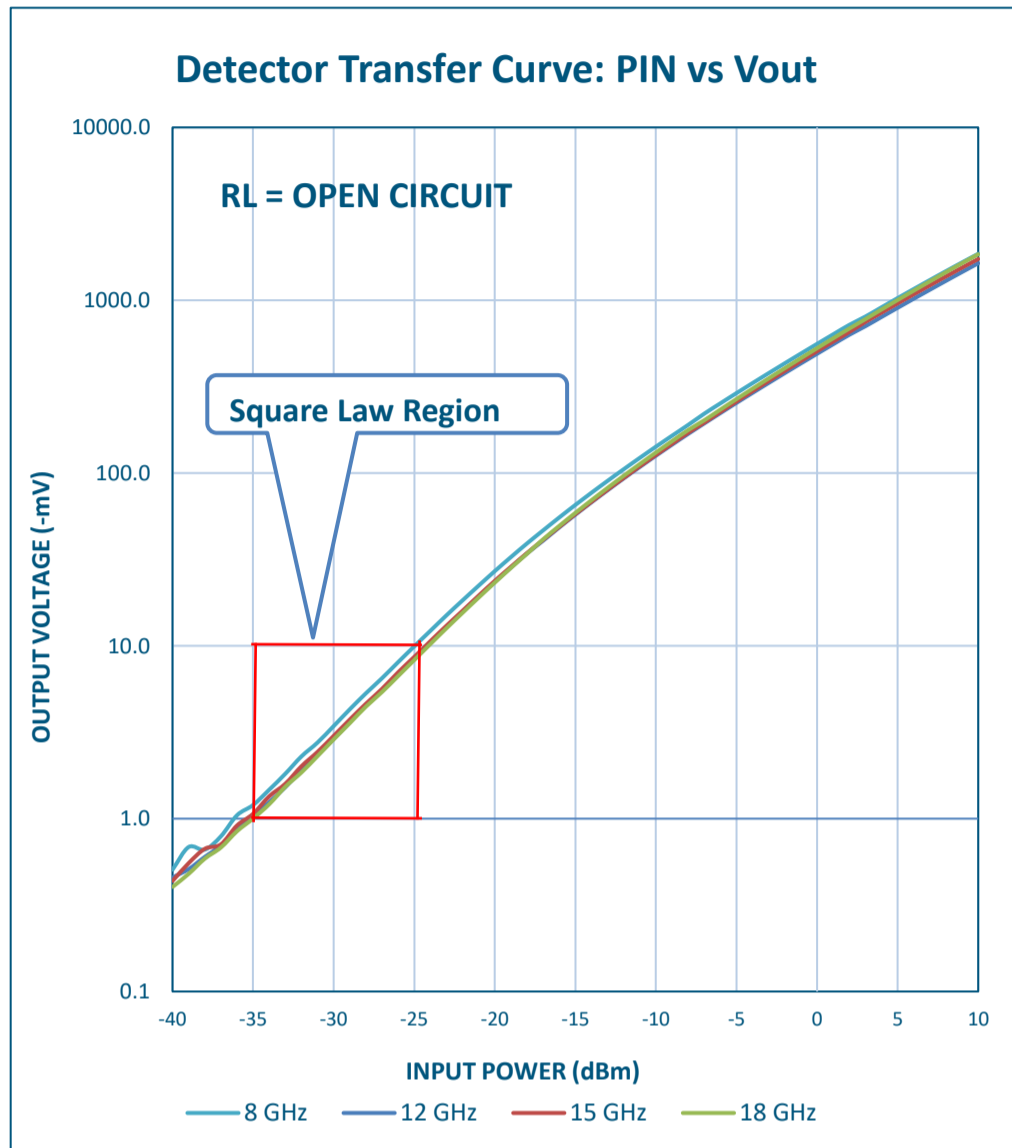
Pulse response measurements were performed using a 50 Ω source termination and a high-impedance oscilloscope input.

QA/QC Approval: _____

Date: _____

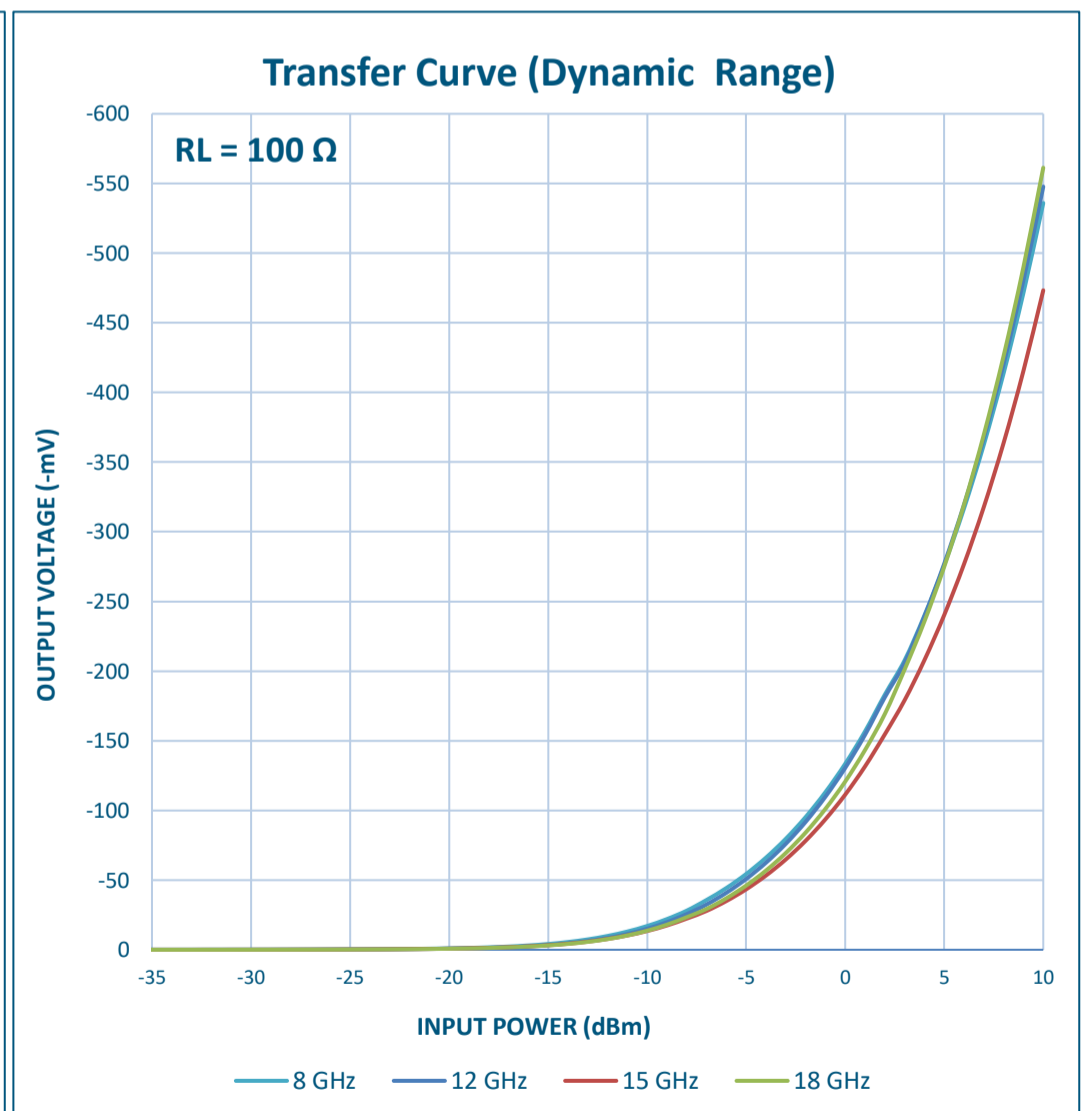
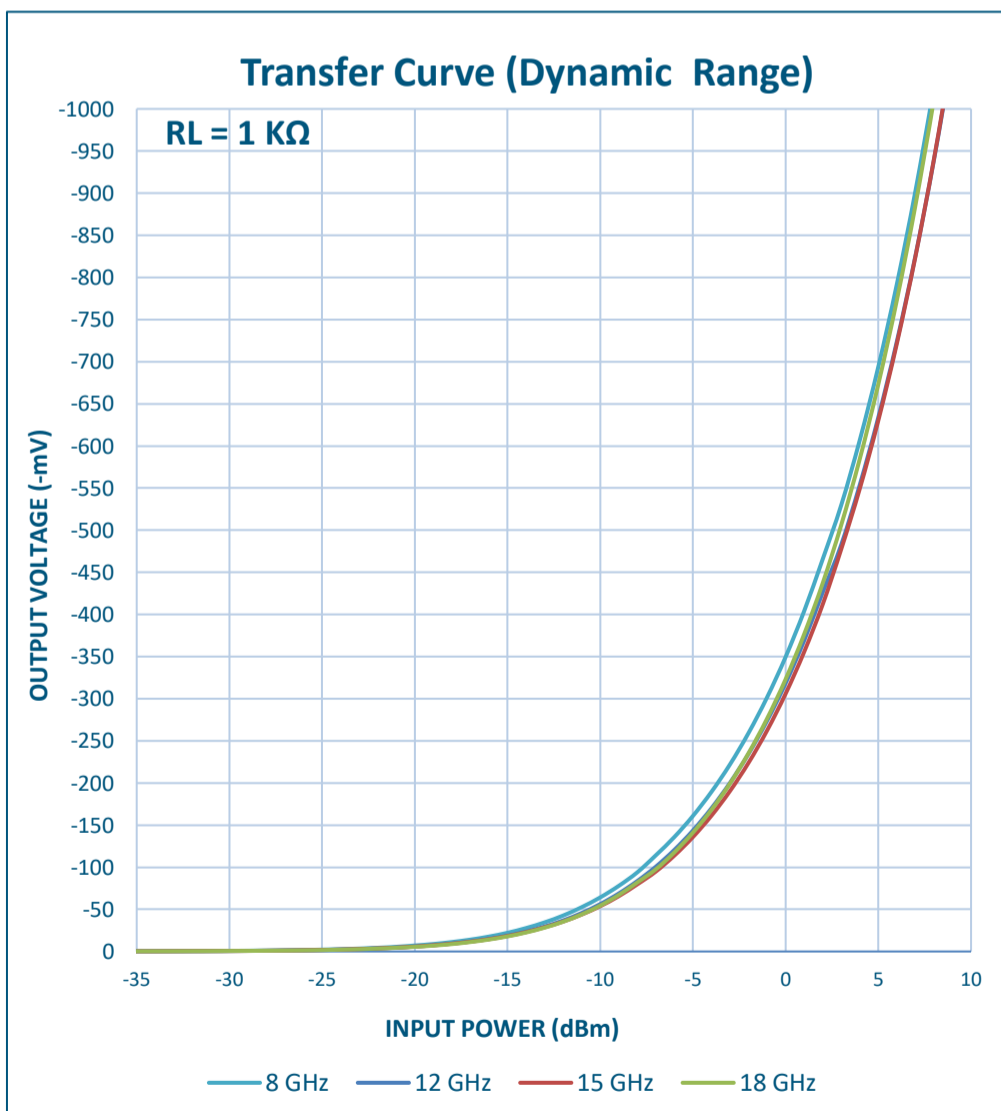
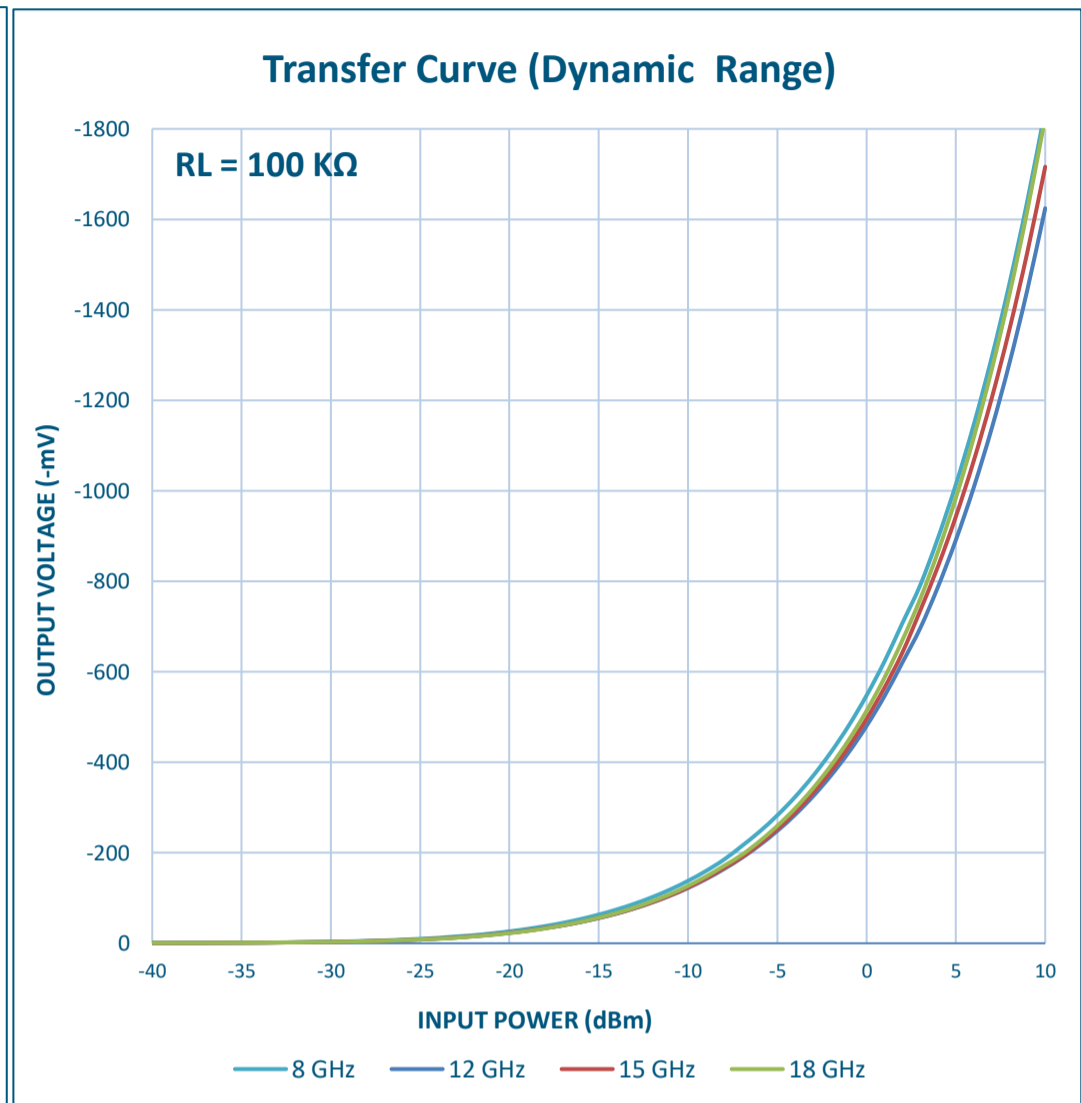
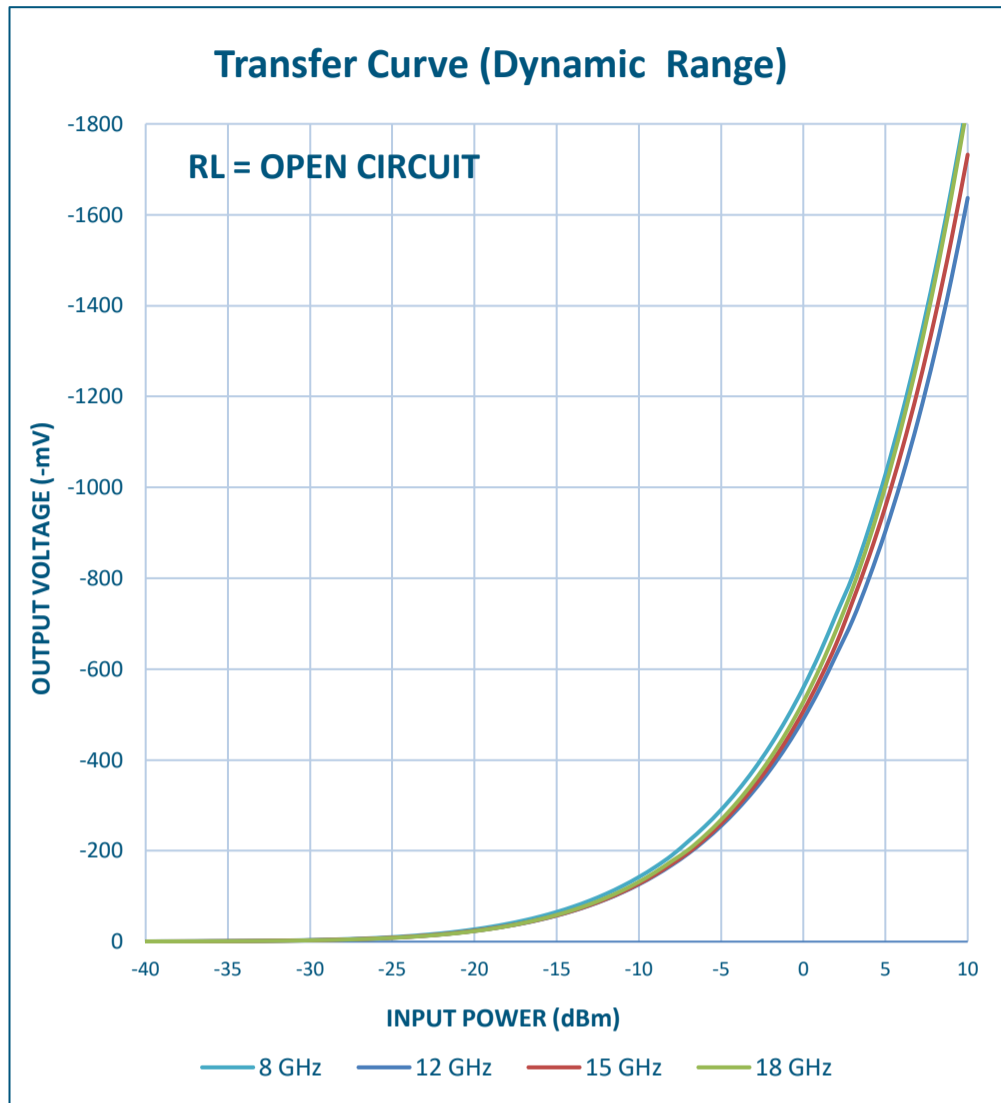
7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 Email: sales@pmi-rf.com

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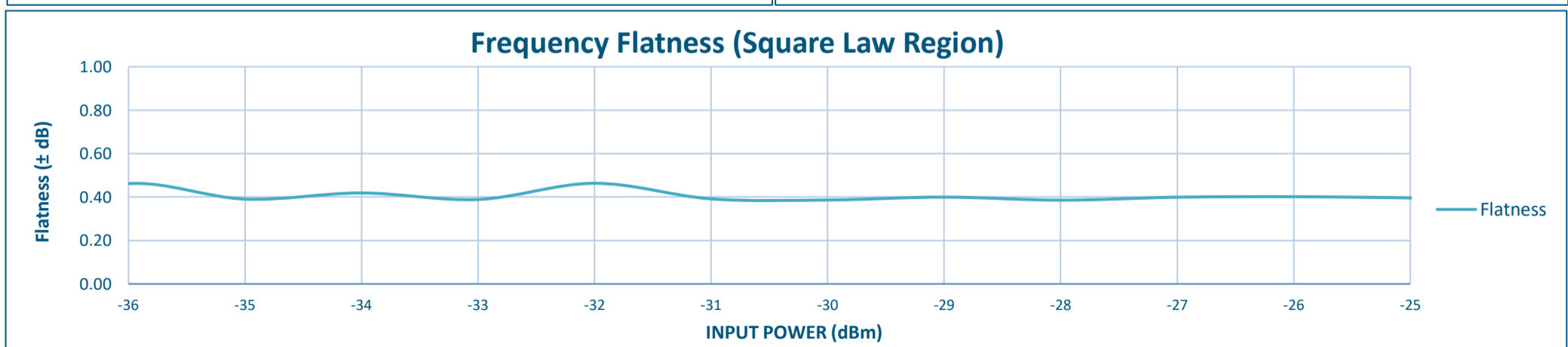
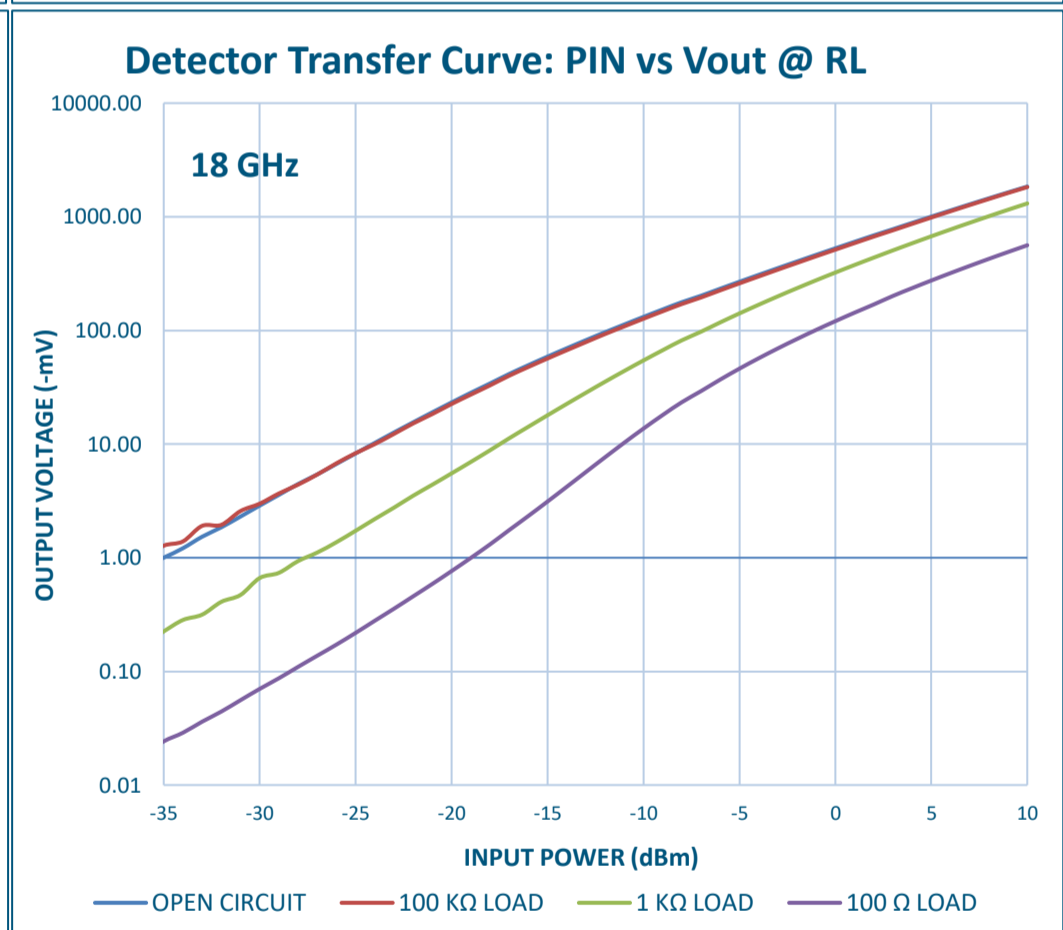
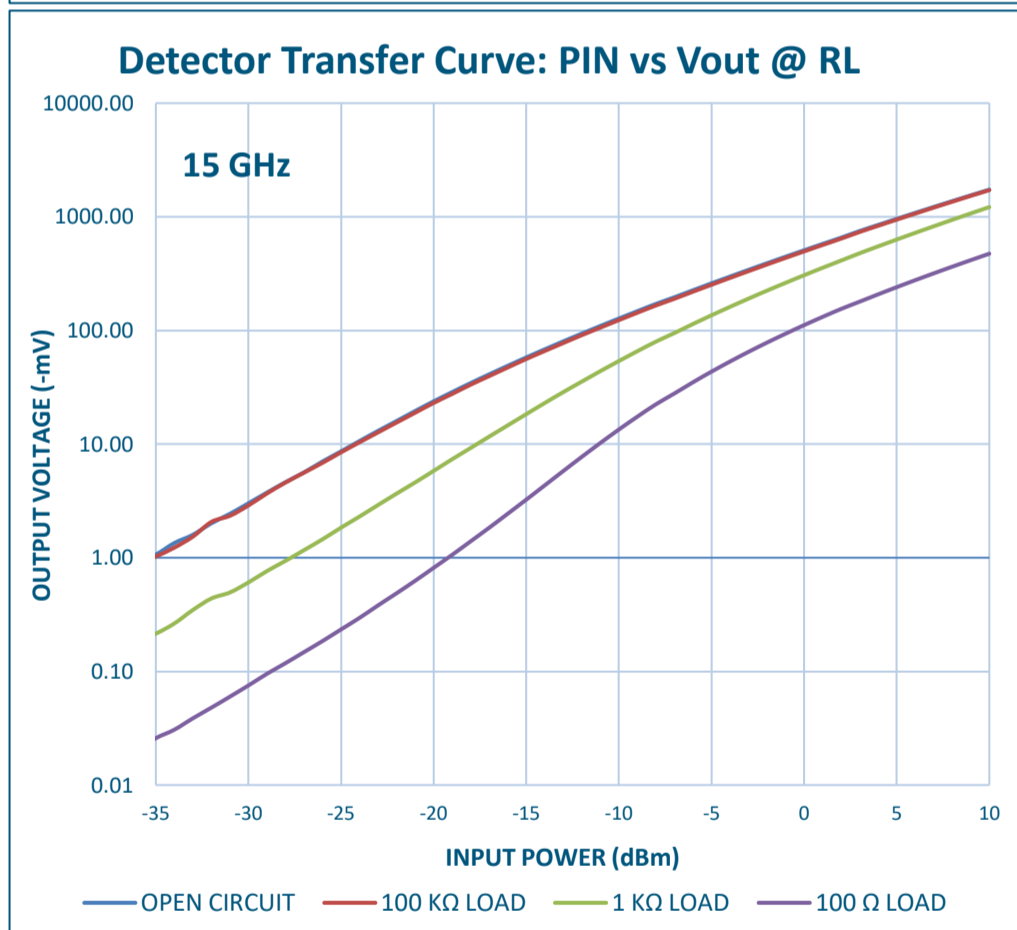
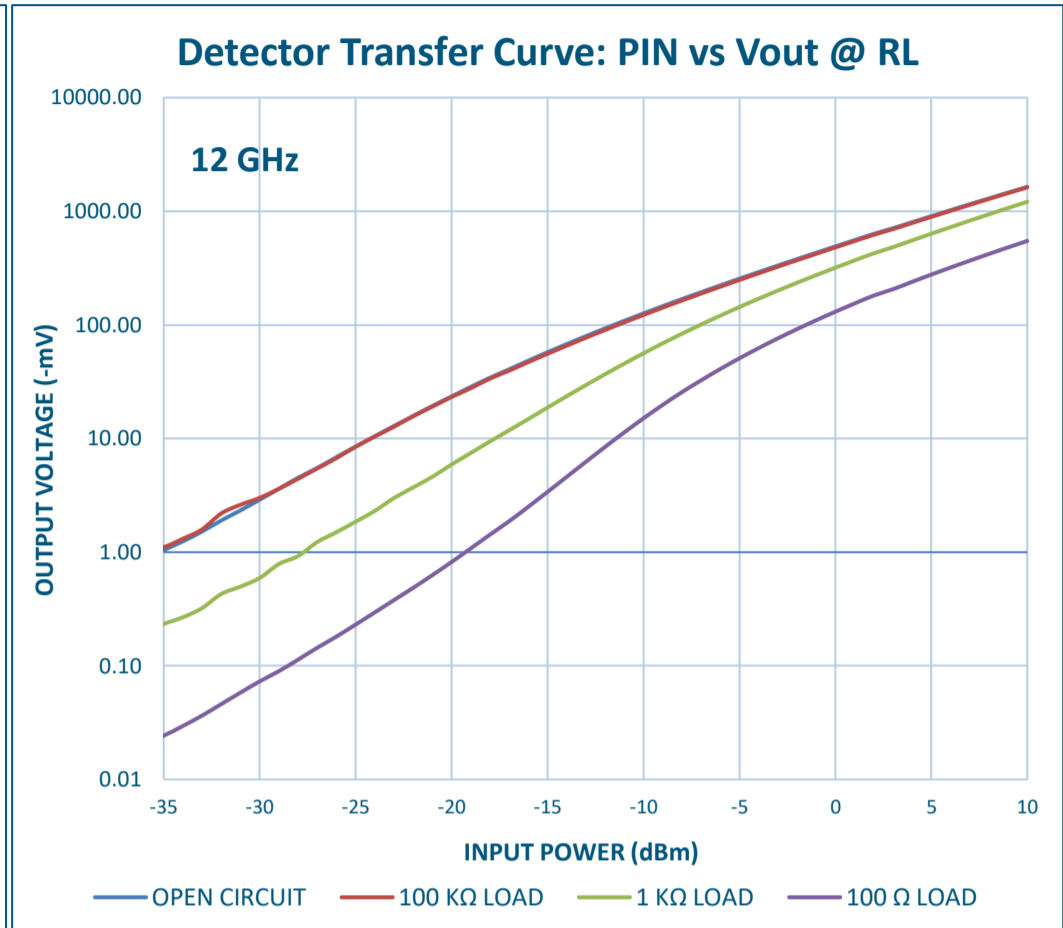
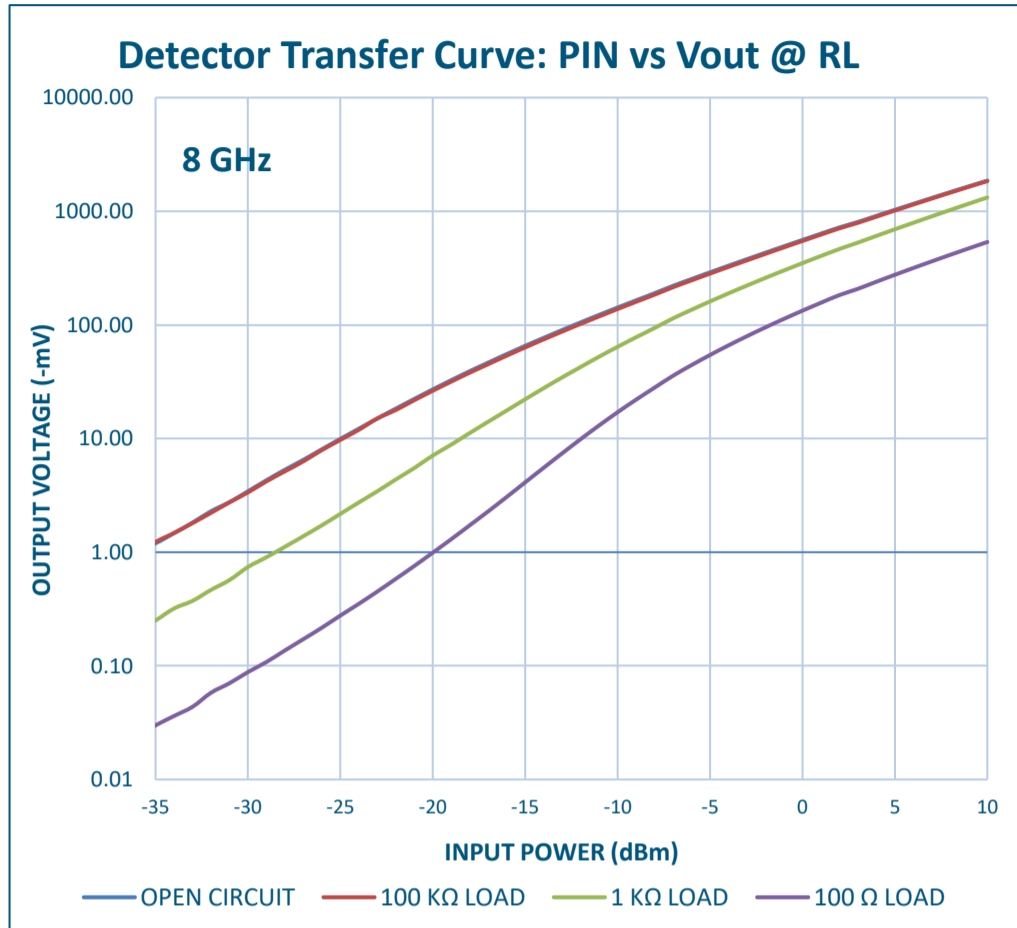
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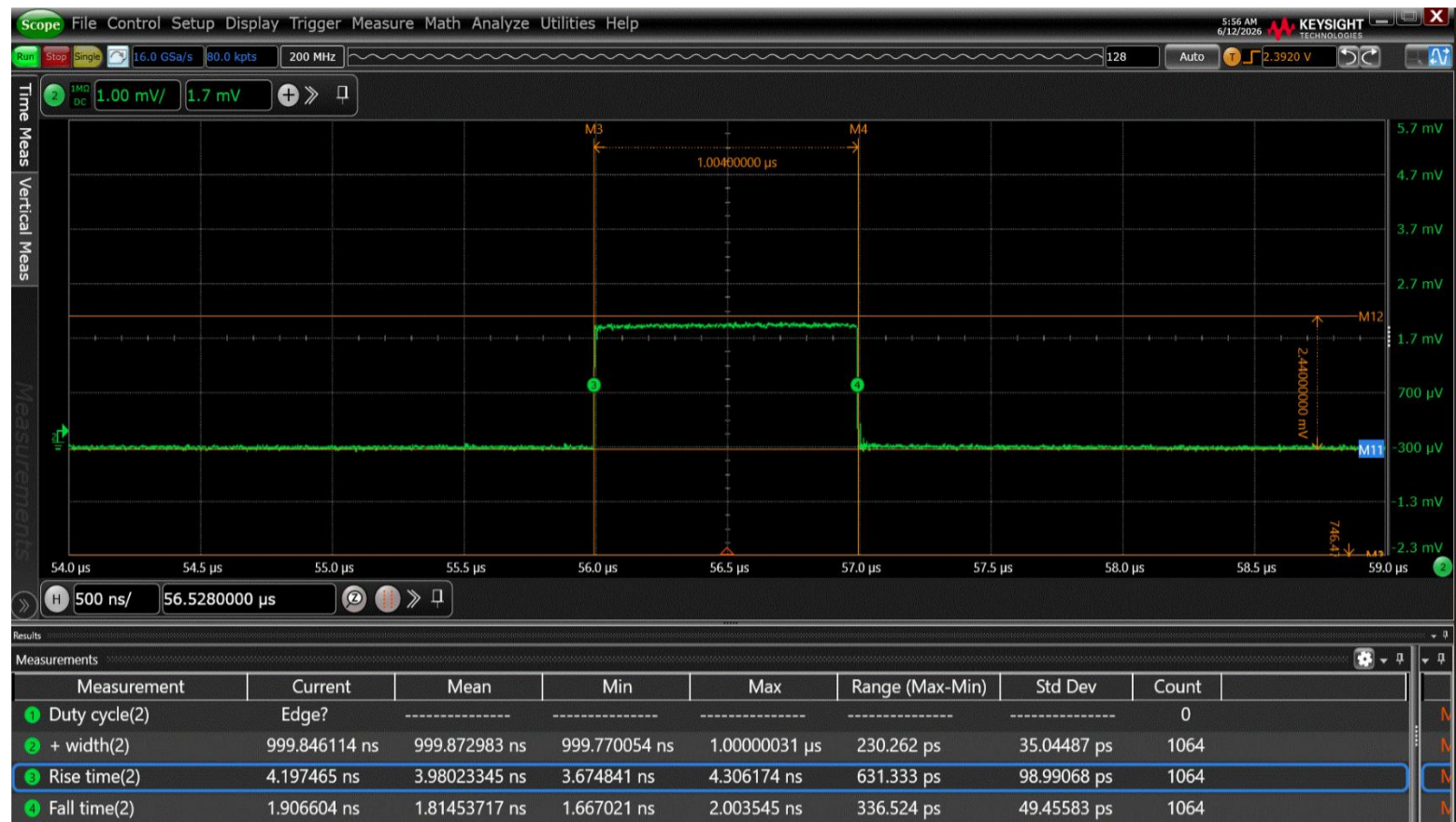


SUMMARY TEST ON DD-8G18G-N-RAD-MF-ROHS

Rise & Fall Time

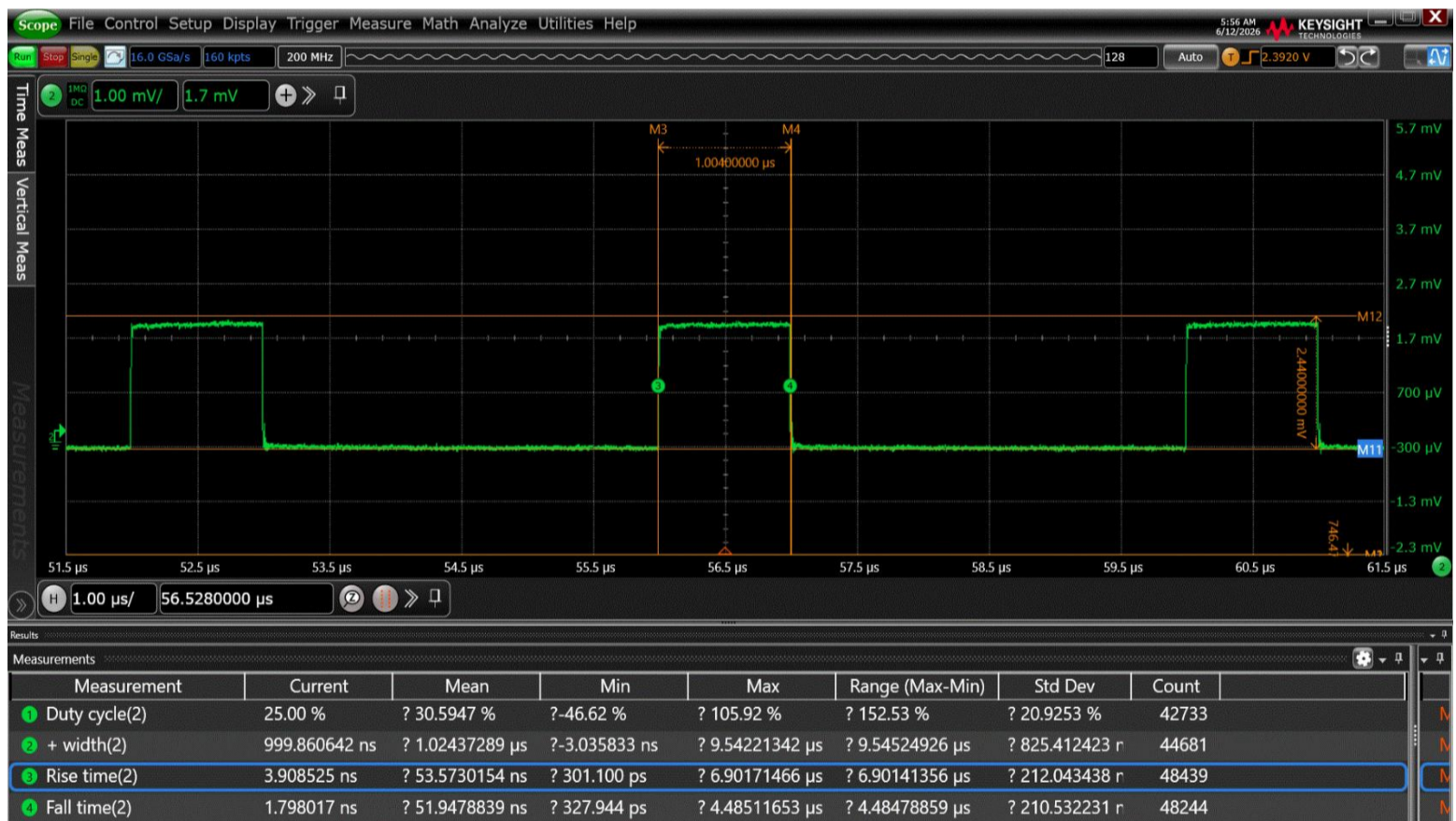
Frequency - 15 GHz
Input Power -15dBm
1µs PW, 25% Duty Cycle

Rise time - 4.20 ns
Fall Time - 2.0 ns



Full Pulse

Frequency - 15 GHz
Input Power -15dBm
1µs PW, 25% Duty Cycle



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SUMMARY TEST ON DD-8G18G-N-RAD-MF-ROHS

Rise & Fall Time

Frequency 15 GHz
Input Power 0 dBm
1µs PW, 25% Duty Cycle

Rise time - 3.73 ns
Fall Time - 1.0 ns



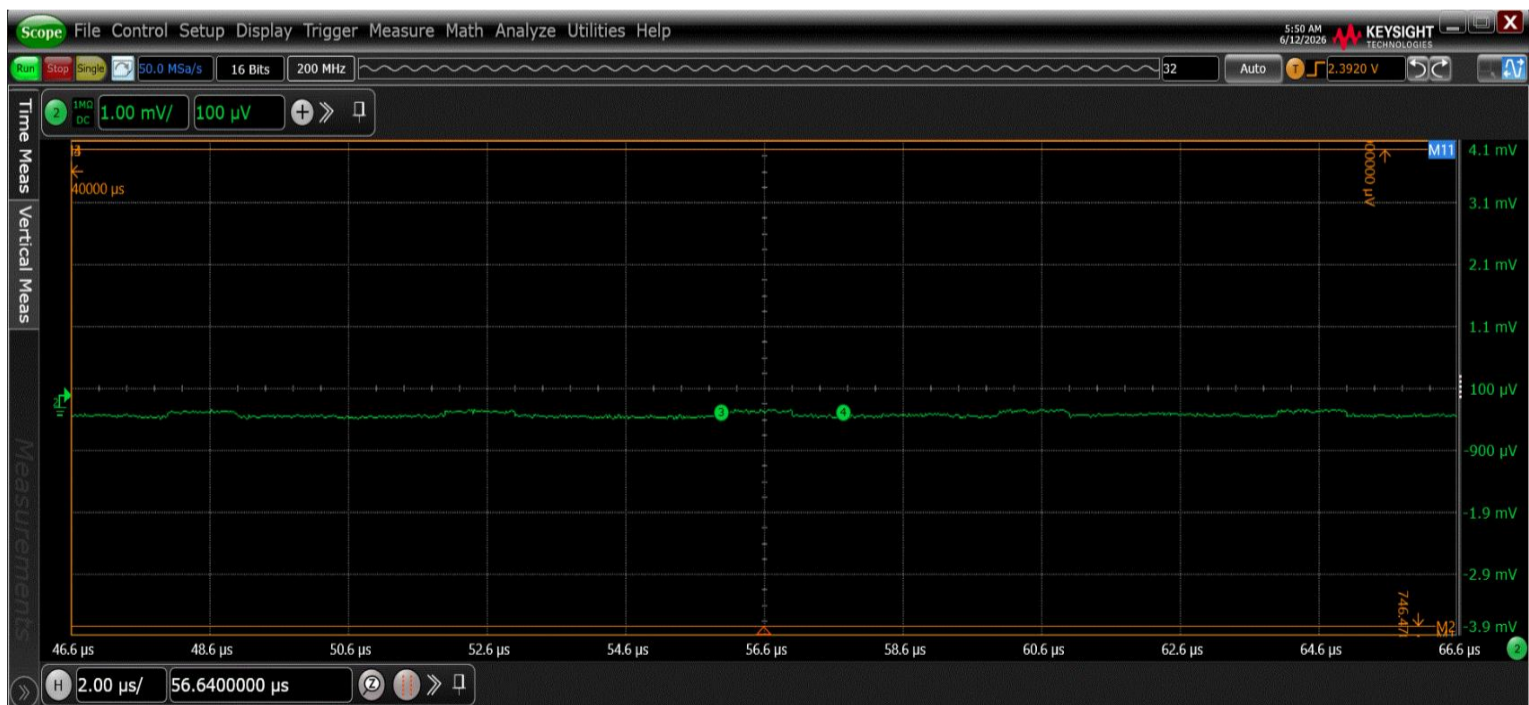
Full Pulse

Frequency 15 GHz
Input Power 0 dBm
1µs PW, 25% Duty Cycle



Tangential Sensitivity (TSS):

Frequency 15 GHz
Input Power -55 dBm



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