



SUMMARY TEST DATA ON PE2-26-2G18G-5-21-12-SFF-DP

PL29294/2032

Customer: _____
 SO No: _____
 Model No: PE2-26-2G18G-5-21-12-SFF-DP
 Serial No: PL29294/2032

Tested By: JERRY WADE
 Temperature: -55°C, +25°C, +85°C
 Date: 08/08/20
 Drawing No: 27633170 Rev: B1

TEST ITEM	PARAMETERS	SPECIFIED VALUE	RESULTS			PASS/FAIL	QA QC
			-55°C	+25°C	+85°C		
1	Frequency Range	2.0 to 18.0 GHz	2.0 to 18.0 GHz			Pass	PMI QA3 ↓
2	Nominal Gain*	26 dB	27.60 dB	27.94 dB	27.20 dB	Pass	
3	Gain Window	±4.0 dB (22 dB Min / 30 dB Max) (Relative to Nominal Gain)	Pass	Pass	Pass	Pass	
4	Gain Flatness*	±1.5 dB (Relative to Nominal Gain)	±0.49 dB	±0.52 dB	±0.52 dB	Pass	
5	Noise Figure ²	5.0 dB Max	3.64 dB	3.97dB	4.37 dB	Pass	
6	OP1dB ²	+21 dBm Min +25 dBm Goal	23.81 dBm	23.88 dBm	23.53 dBm	Pass	
7	OIP2 ³	+37 dBm Min	[REDACTED]	47.36 dBm	[REDACTED]	Pass	
8	OIP3 ³	+30 dBm Min		38.76 dBm		Pass	
9	Input VSWR*	2.0:1 Max		1.31:1		Pass	
10	Output VSWR*	2.0:1 Max (2.0 to 15.0 GHz)		1.97:1		Pass	
		2.8:1 Max (15.0 to 18.0 GHz)	2.00:1	Pass			
11	DC Supply	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max	349 mA	385 mA	401 mA	Pass	PMI QA3

* Gain and Gain Flatness shall be measured with 100 MHz steps (201 Points Minimum)

² Noise Figure and OP1dB shall be measured with 1 GHz steps

³ OIP2 and OIP3 shall be measured with 2 GHz steps

QA/QC Approval: Arthur Zimmerman

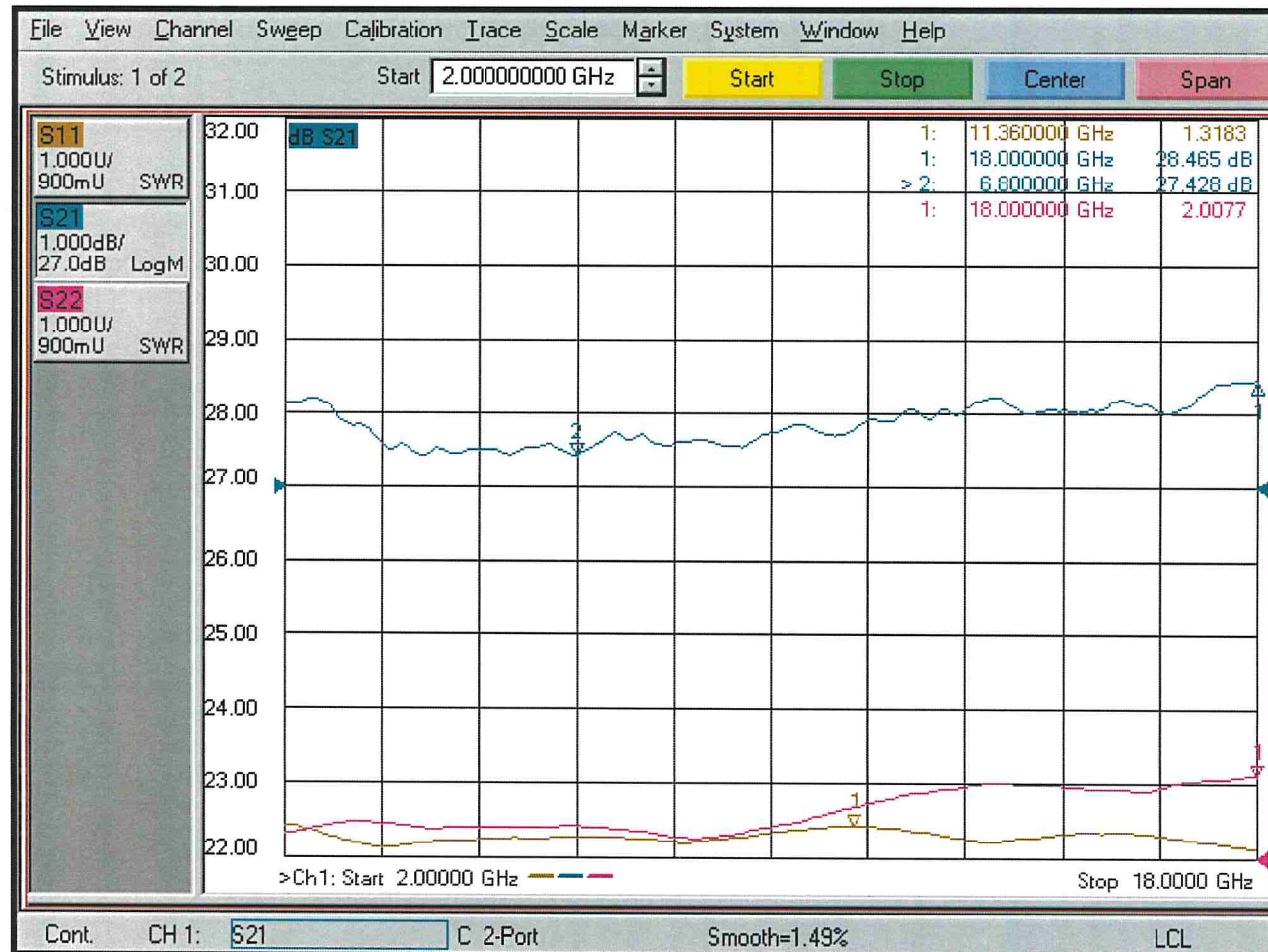
Date: 8-8-2020



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GAIN / VSWR @ +25C

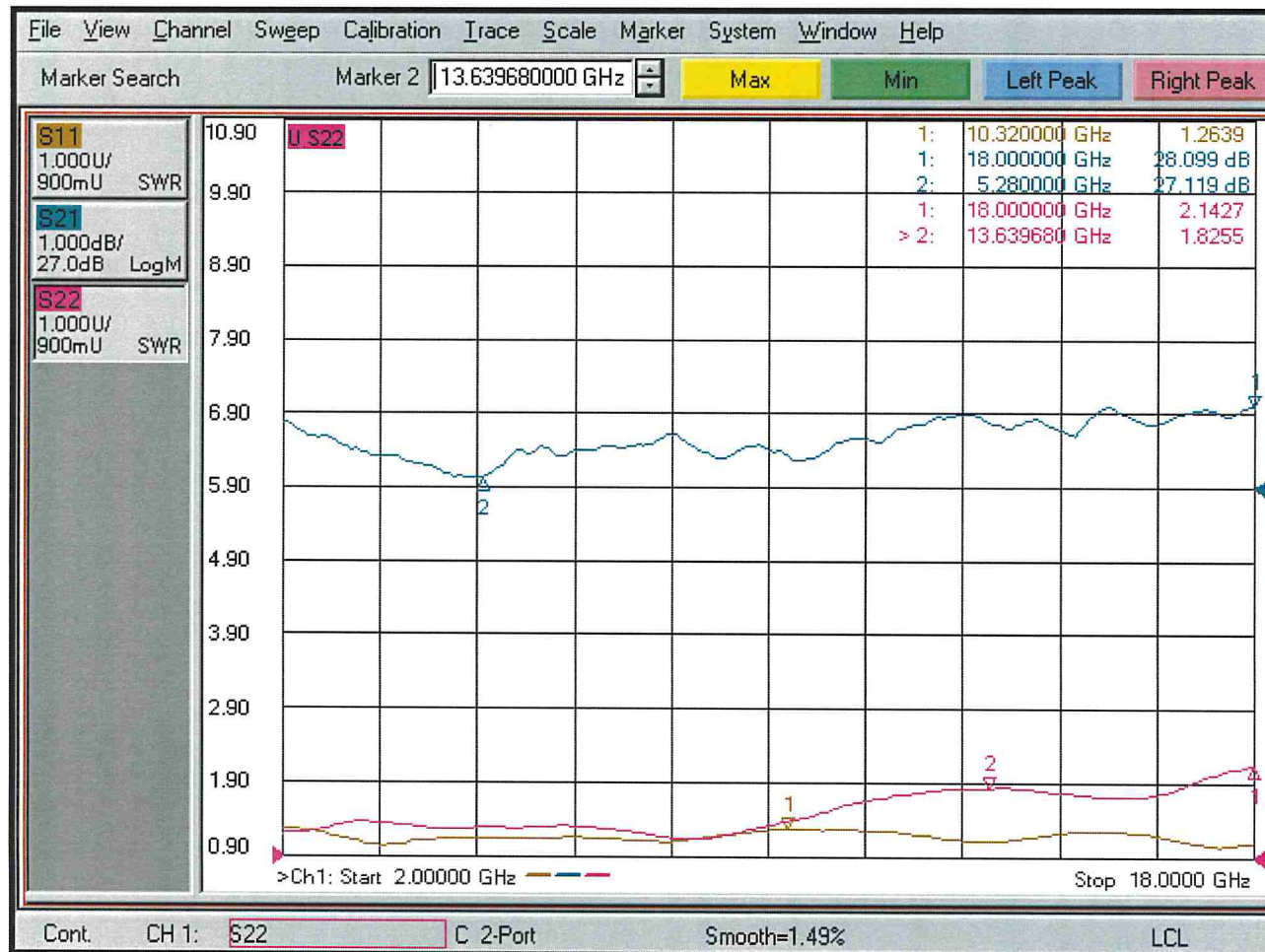




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GAIN @ -55C



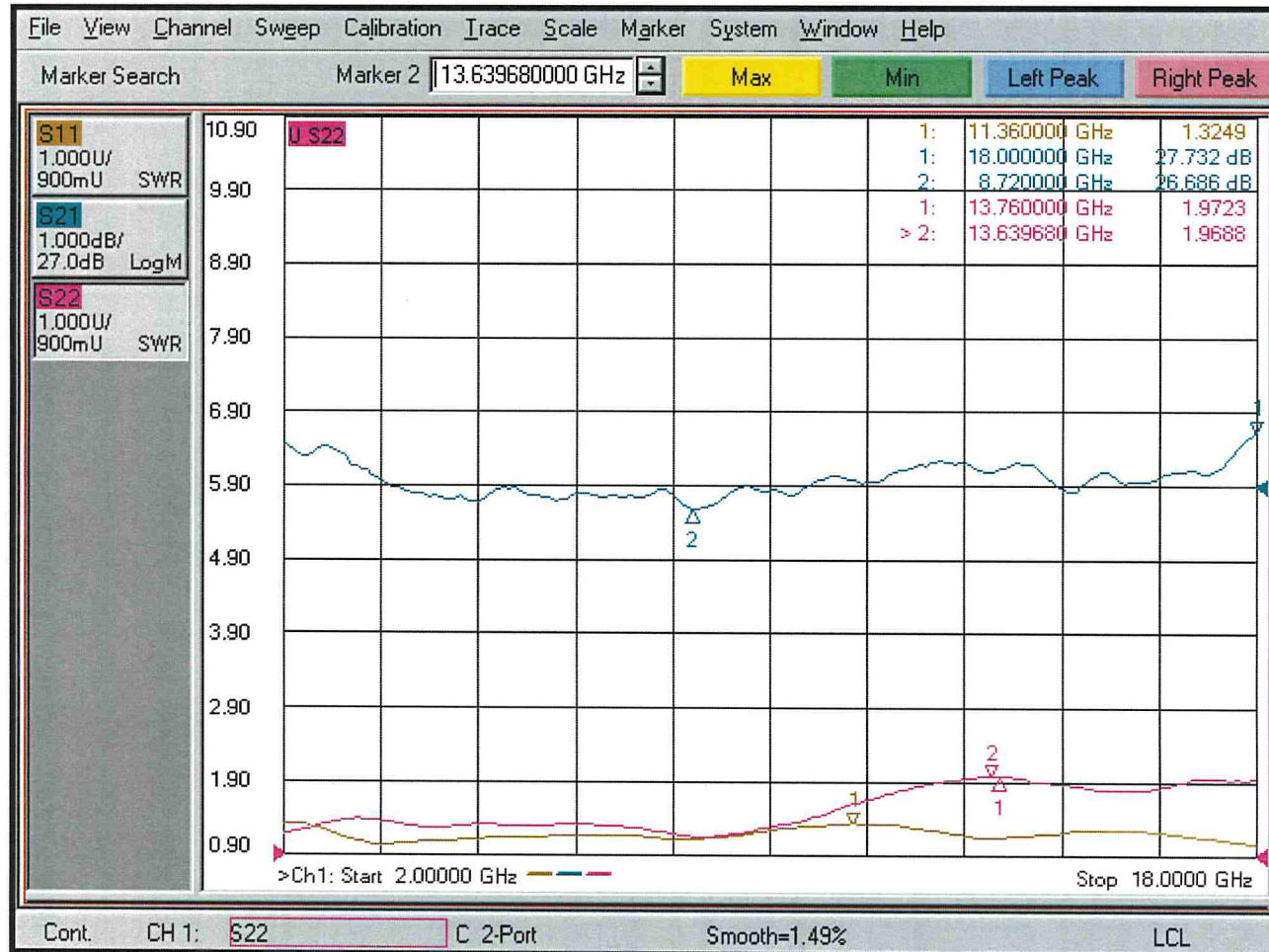
7311-F Grove Road, Frederick, MD 21704 USA
Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@pmi-rf.com



SUMMARY TEST DATA ON PE2-26-2G18G-5-21-12-SFF-DP

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GAIN @ +85C



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NOISE FIGURE @ +25C



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NOISE FIGURE @ -55C



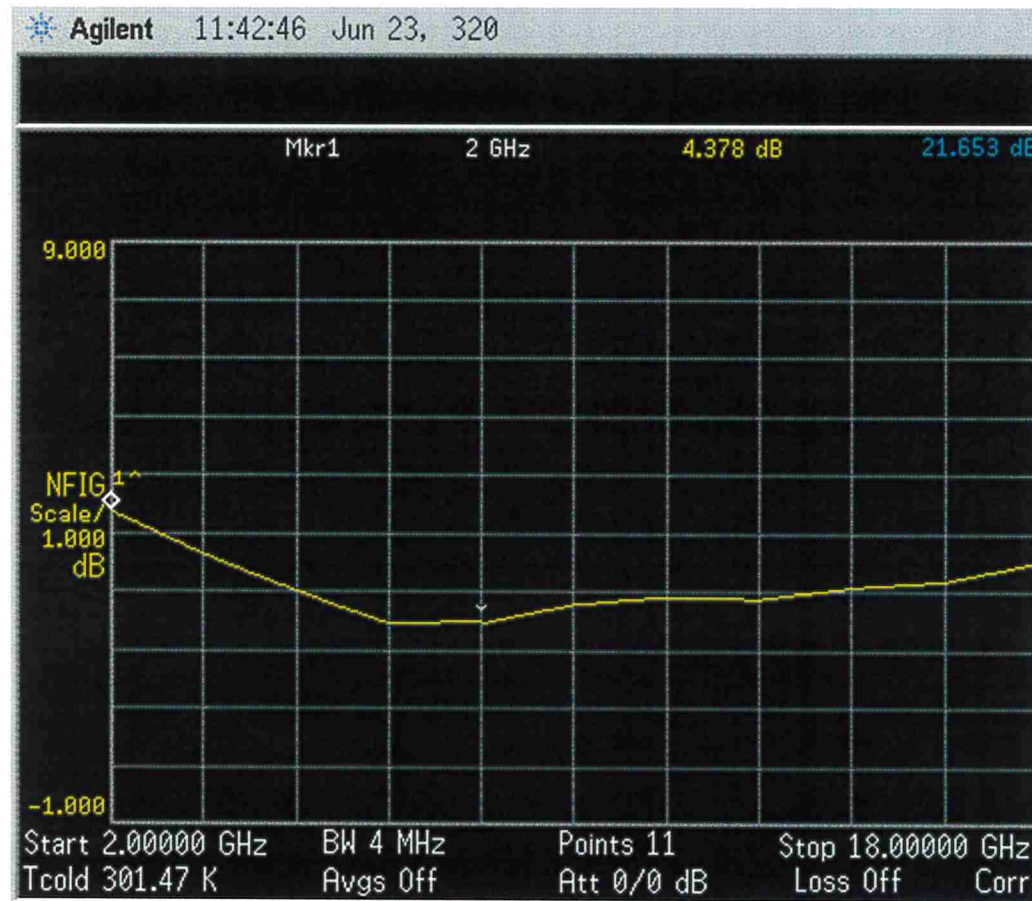
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NOISE FIGURE @ +85C



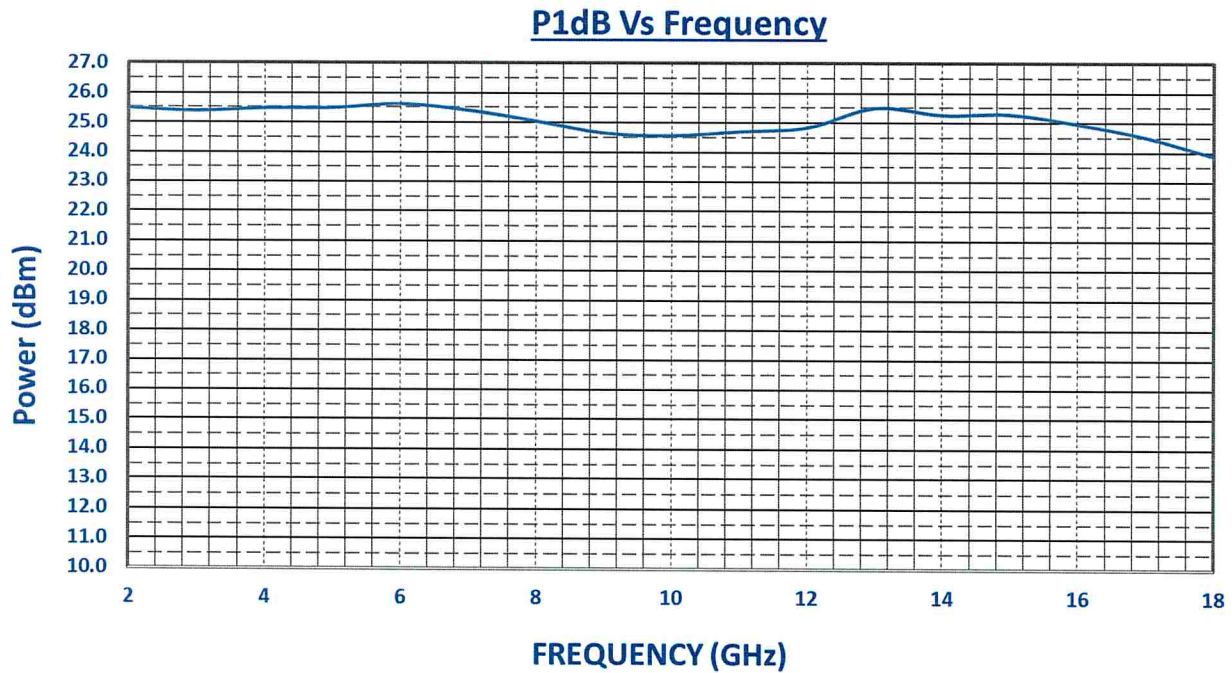
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SUMMARY TEST DATA ON PE2-26-2G18G-5-21-12-SFF-DP

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P1db @ +25C



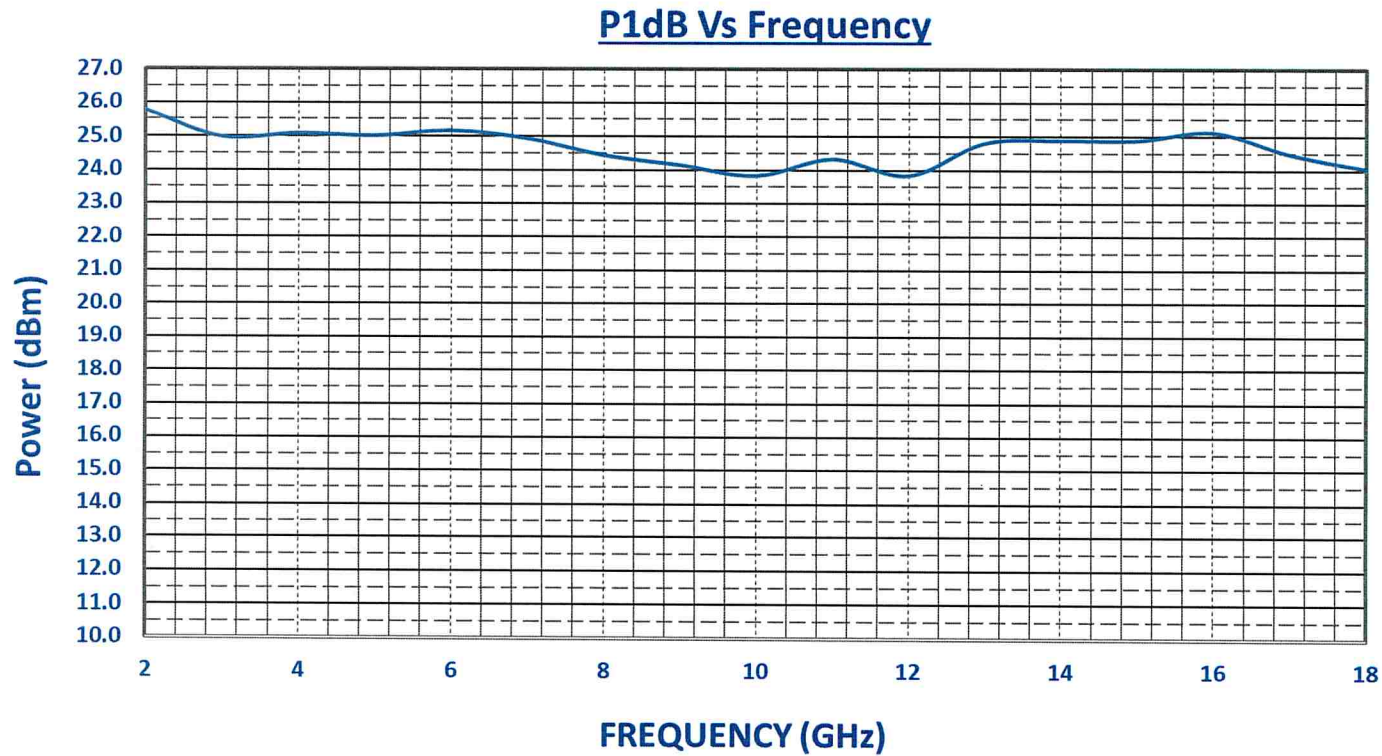
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P1db @ -55C



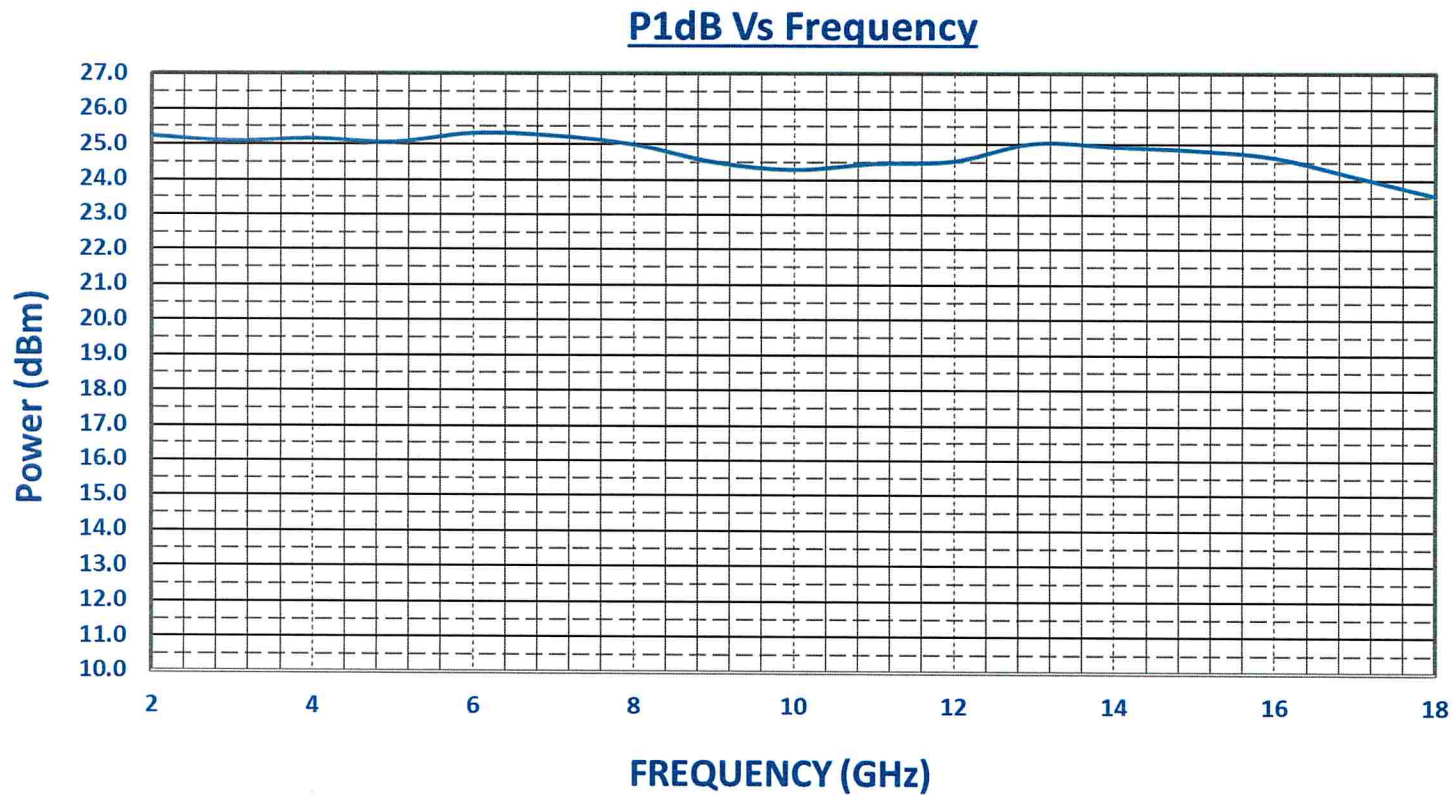
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IP2 / IP3

<u>Freq</u>	<u>IP3</u>	<u>IP2</u>
2000	45.285	66.37
4000	40.16	61.47
6000	40.86	59.79
8000	40.04	57.28
10000	38.76	50.01
12000	39.09	47.36
14000	39.6	69.78
16000	39.39	73.33
18000	39.43	66.53

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