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

PL32033/2116

Customer: _____
SO No: _____
Model No: PE2-26-2G18G-5-21-12-SFF-DP
Serial No: PL32033/2116

Tested By: EA Valdez
Temperature: -55°C, +25°C, +85°C
Date: 04/28/2021
Drawing No: 27633170 Rev: B2

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	26.5 dB	26.5 dB	25.6 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)	±0.6 dB	±0.5 dB	±0.4 dB	Pass	
5	Noise Figure[2]	5.0 dB Max	3.4 dB	4.2dB	4.3 dB	Pass	
6	OP1dB[2]	+21 dBm Min +25 dBm Goal	23.7 dBm	23.5 dBm	22.6 dBm	Pass	
7	OIP2[3]	+37 dBm Min		38.1 dBm		Pass	
8	OIP3[3]	+30 dBm Min		33.3 dBm		Pass	
9	Input VSWR*	2.0:1 Max		1.8:1		Pass	
10	Output VSWR*	2.0:1 Max (2.0 to 15.0 GHz)		2.0:1		Pass	
		2.8:1 Max (15.0 to 18.0 GHz)		2.1:1		Pass	
11	DC Supply	+11 to +12.5 VDC @ 400 mA Goal, 450 mA Max	380 mA	400 mA	410 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: A Zimmerman Date: 4-29-2021

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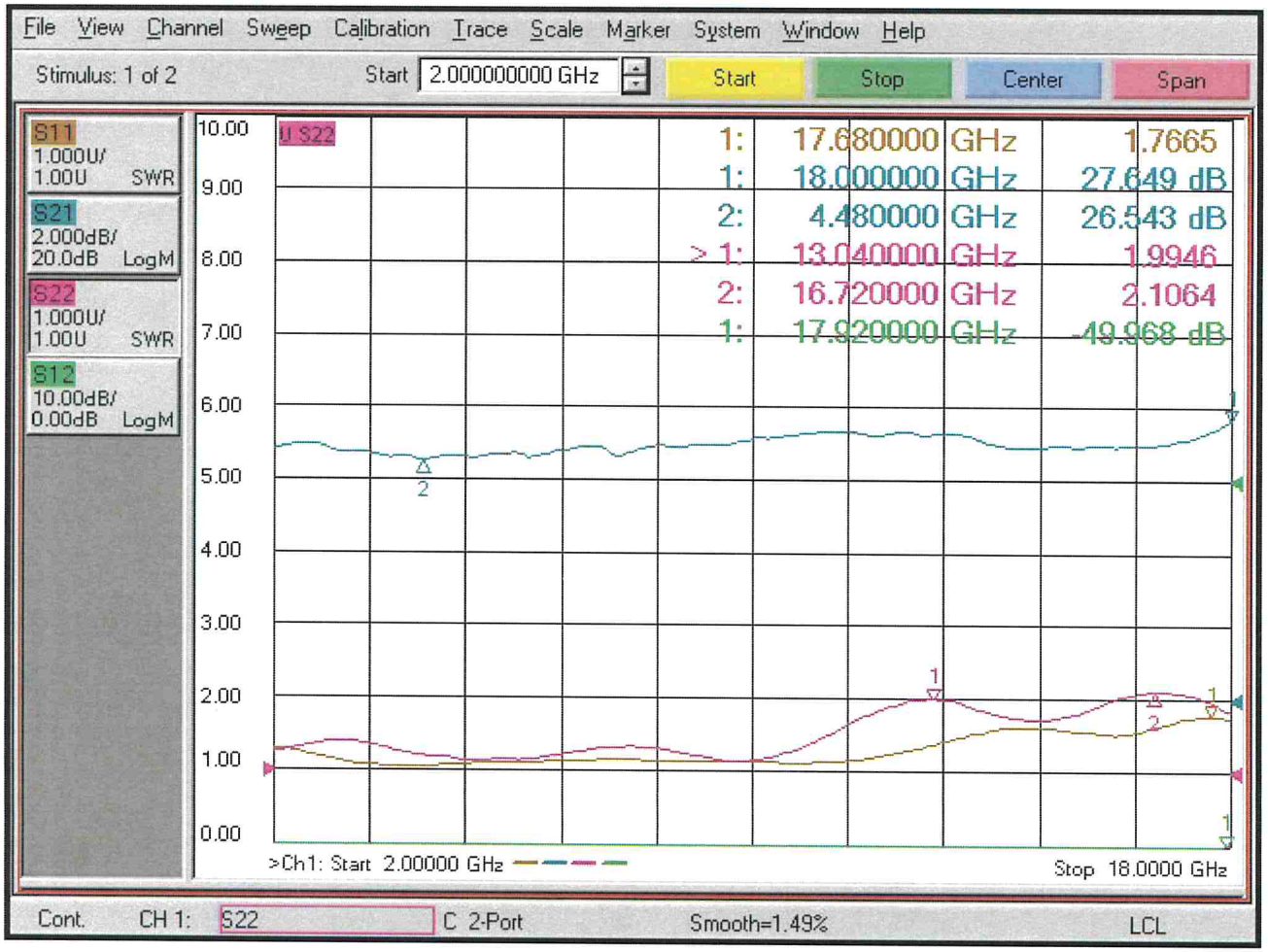
PL32033/2116

GAIN / VSWR @ +25C



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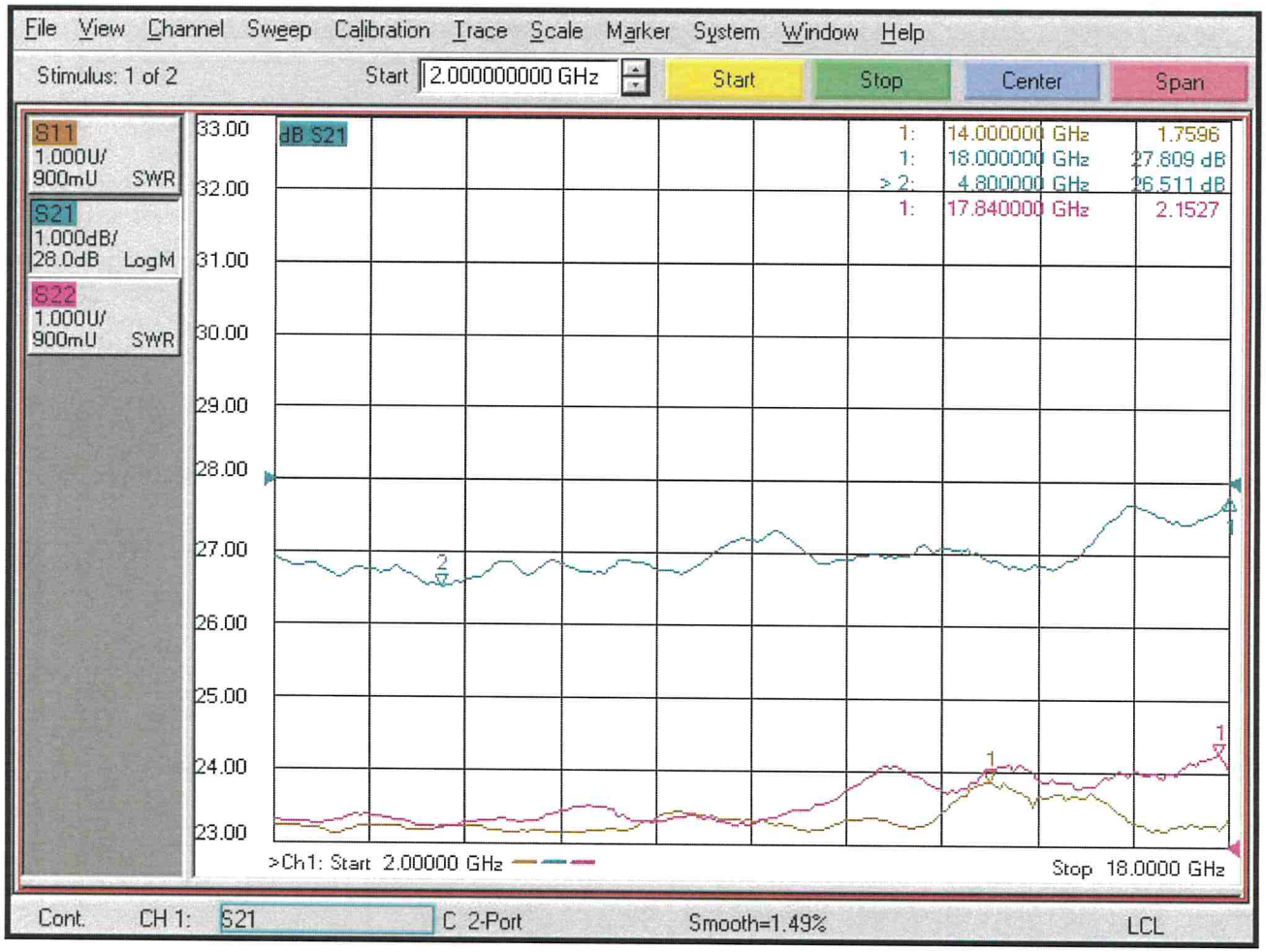
PL32033/2116

GAIN @ -55C



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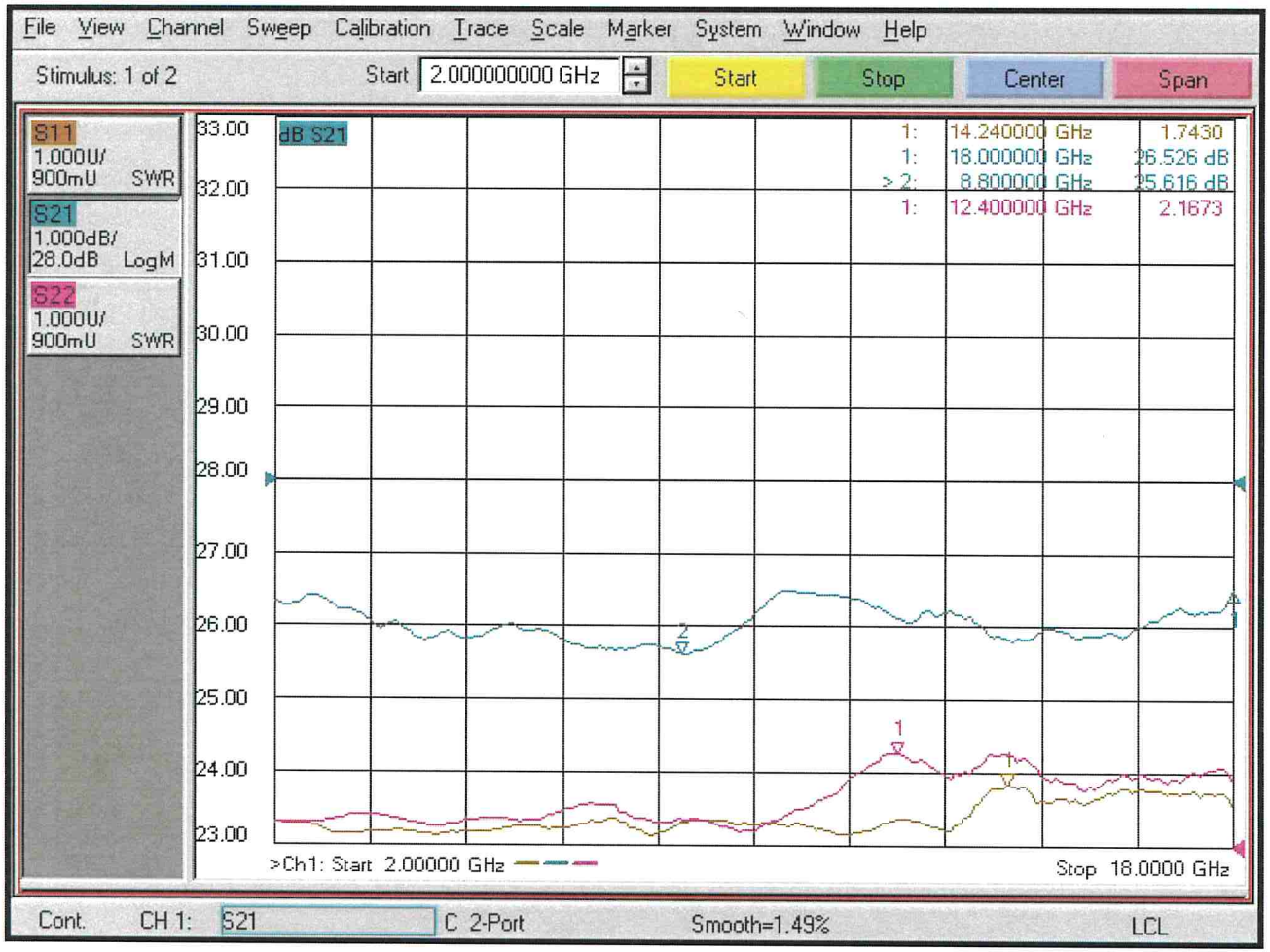
SUMMARY TEST DATA ON PE2-26-2G18G-5-21-12-SFF-DP

PL32033/2116

GAIN @ +85C



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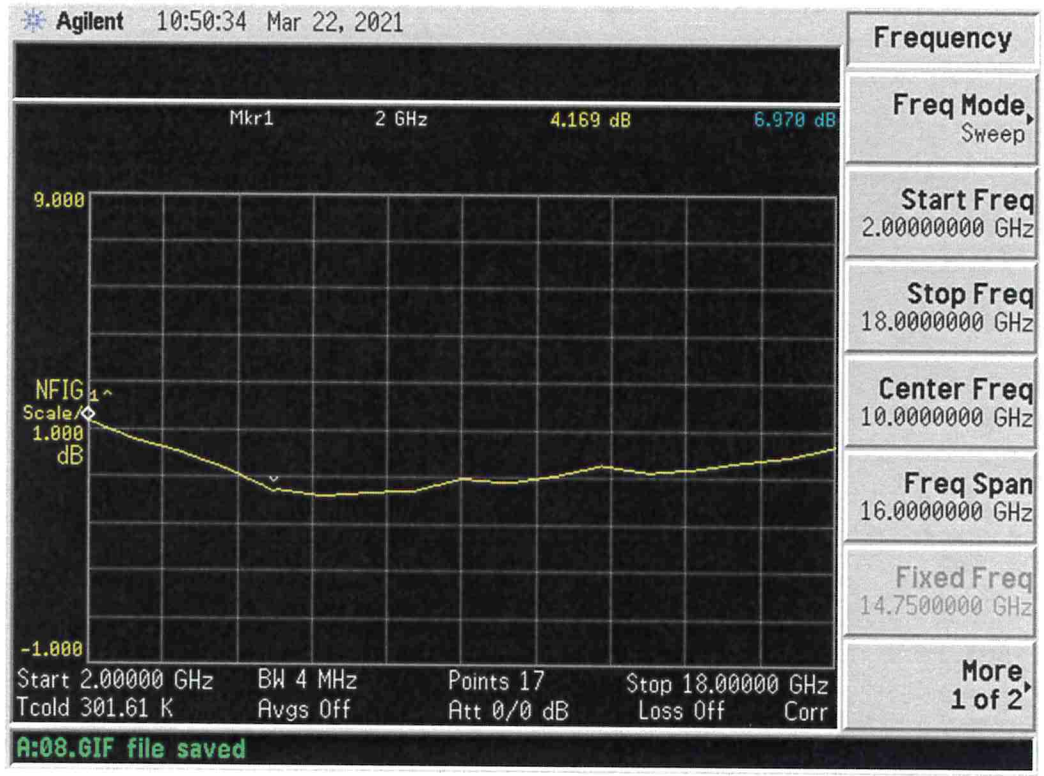
SUMMARY TEST DATA ON PE2-26-2G18G-5-21-12-SFF-DP

PL32033/2116

NOISE FIGURE @ +25C



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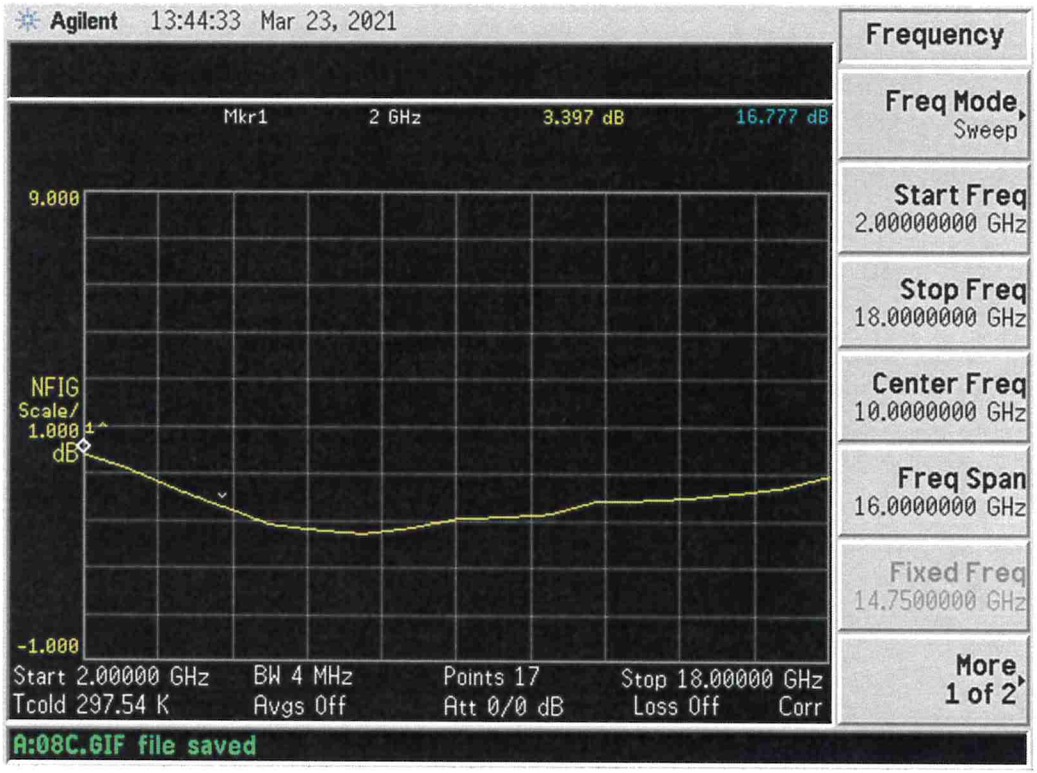
NOISE FIGURE @ -55C



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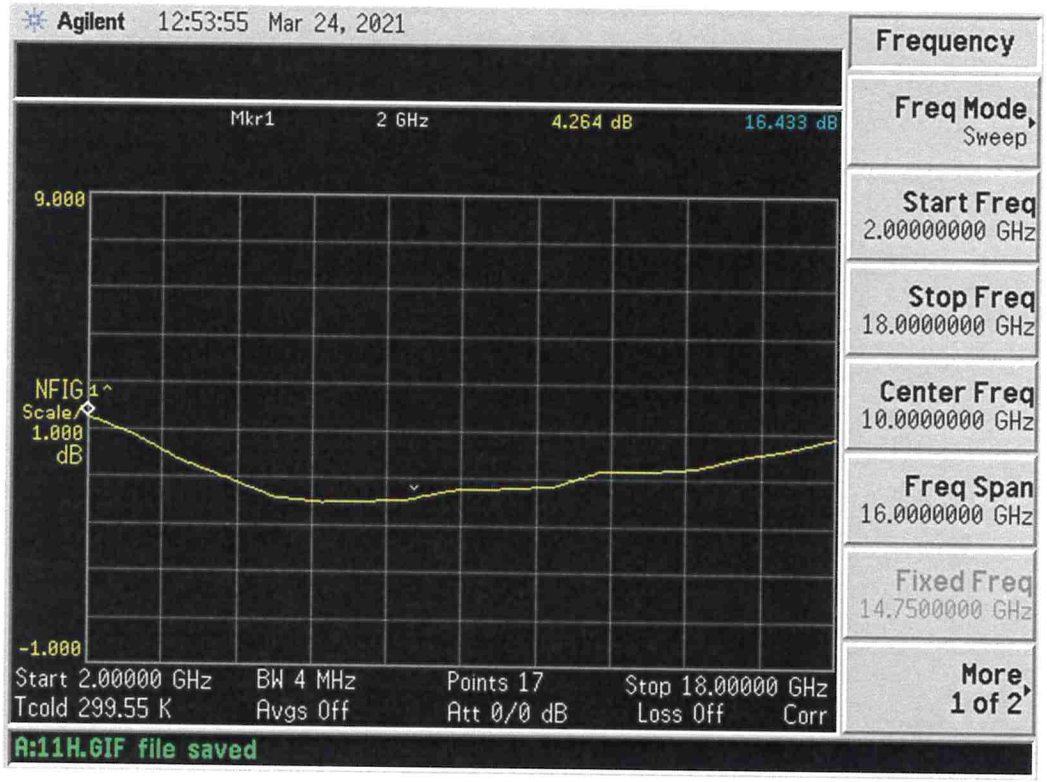
PL32033/2116

NOISE FIGURE @ +85C



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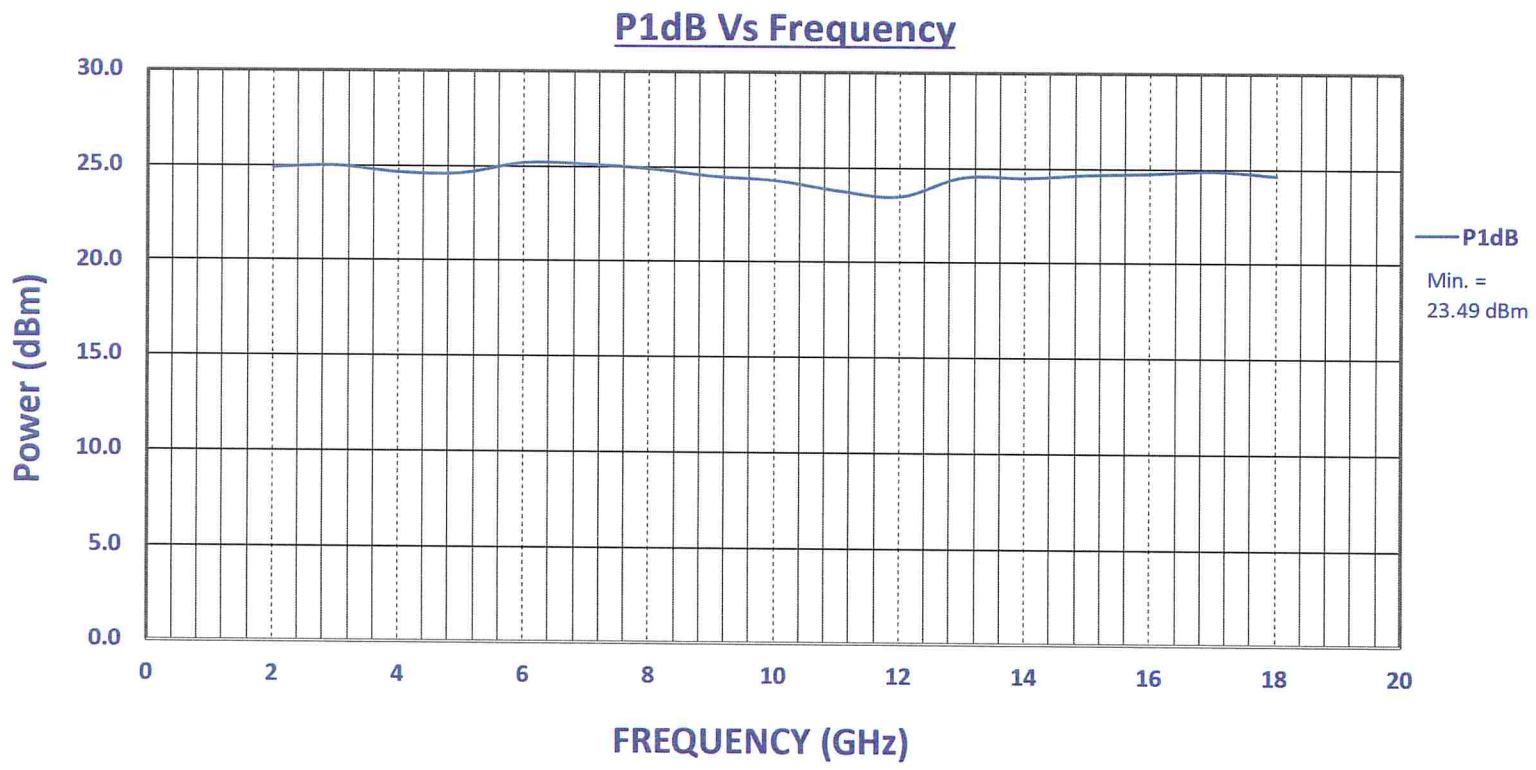
SUMMARY TEST DATA ON PE2-26-2G18G-5-21-12-SFF-DP

PL32033/2116

P1db @ +25C



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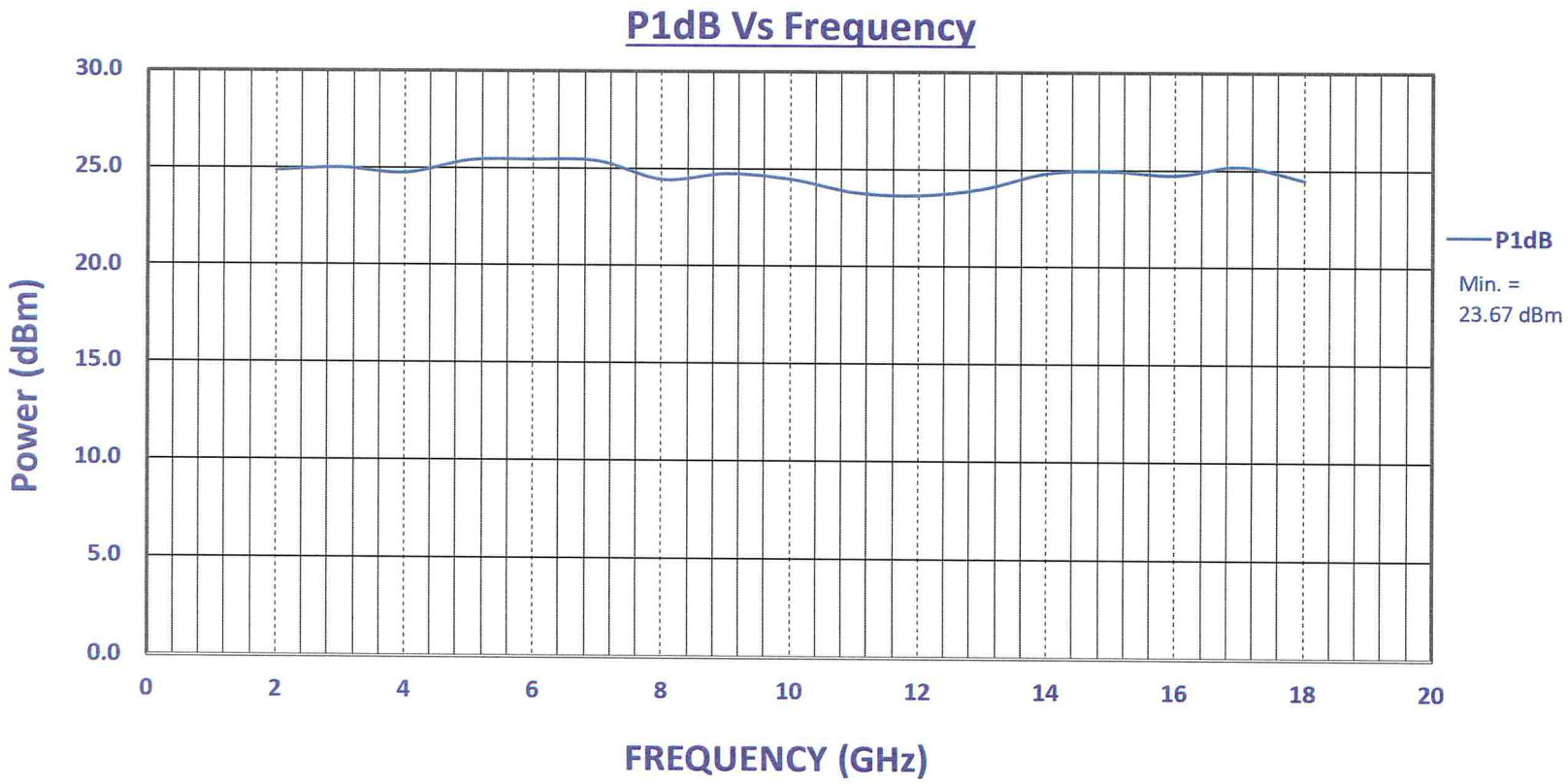
PL32033/2116

P1db @ -55C



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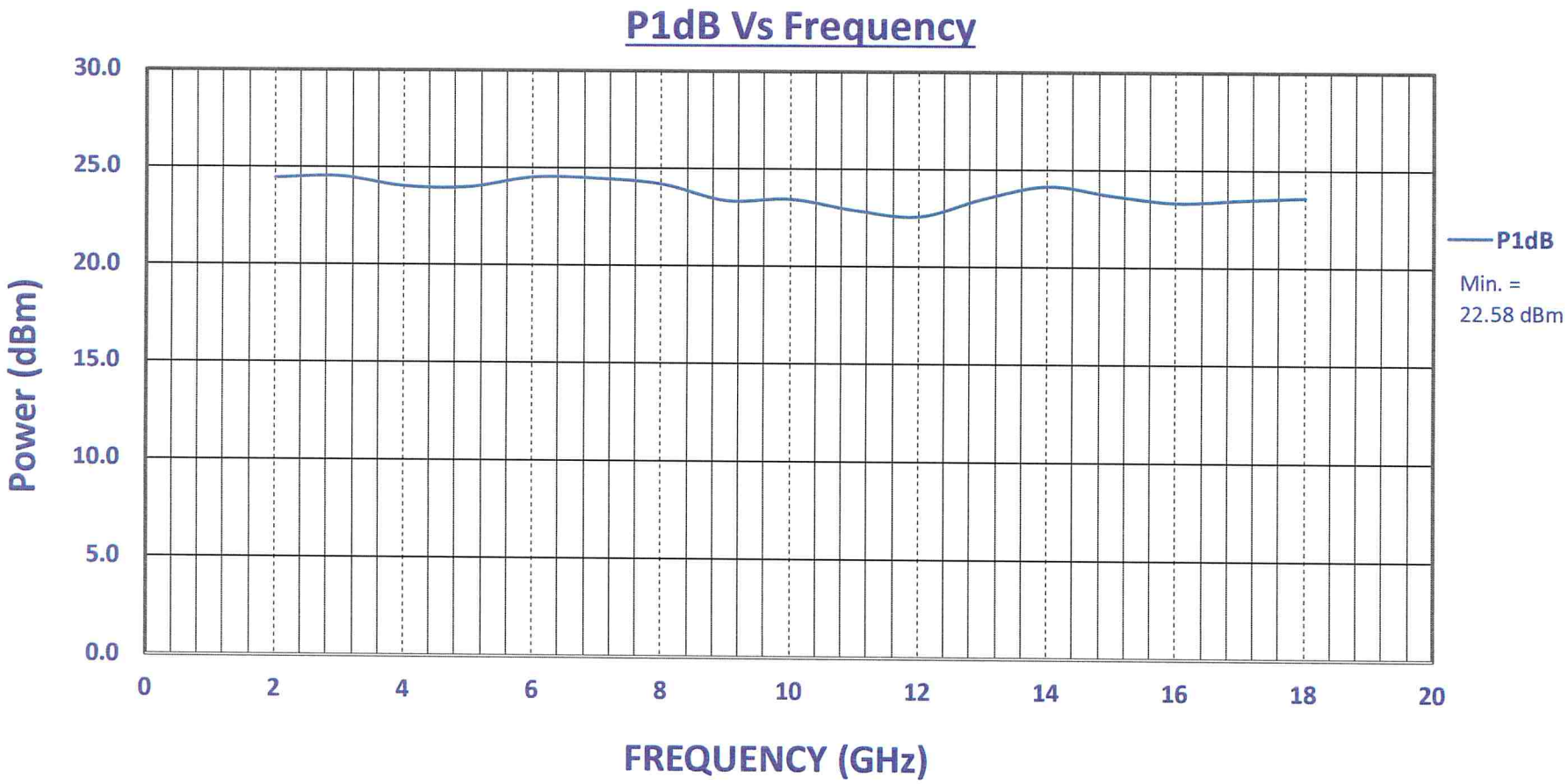
PL32033/2116

P1db @ +85C



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PL32033/2116

Freq	IP3	IP2
2000	42.49	70.67
4000	41.485	62.83
6000	41.625	63.17
8000	40.71	62.01
10000	38.73	51.34
12000	38.35	47.51
14000	33.265	38.1
16000	37.465	48.17
18000	35.89	50.49

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