



**SUMMARY TEST DATA
ON
PTB-42-1G40G-12-292FF-DC12-220VAC**

Customer: _____	Tested By: <u>A. Lopez</u>	
SO No: _____	Temperature: <u>+25°C</u>	
Model No: <u>PTB-42-1G40G-12-292FF-DC12-220VAC</u>	Date: <u>12/30/17</u>	
Serial No: <u>PL21975/1752</u>	Drawing No: <u>27628064</u>	Rev: <u>A1</u>

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
1	Frequency Range:	1.0 TO 40.0GHz	1.0 to 40.0 GHz (See Plot)	PMI QA 2
2	Gain:	40dB Typ.	Min. 35.05 dB Max. 41.69 dB (See Plot)	
3	Gain Flatness	±2.5dB Typ.	± 3.32 dB (See Plot)	
4	Noise Figure:	5.0dB Typ. MID-BAND	5.18 dB (See Plot)	
5	OP1dB:	+22dBm Typ. (1-18GHz) +18dBm Typ. (18-40GHz)	+18.22 dBm 1-18 GHz +16.77 dBm 18-40 GHz (See Plot)	
6	VSWR In/Out:	2.5:1 Typ.	1.99 :1 (See Plot)	
7	Maximum RF Input:	+15dBm	Pass (See Typical Characteristics)	
8	AC Voltage Supply:	220 - 230VAC	Pass	
9	DC Voltage Supply (External):	+12VDC	+15 VDC @ 545 mA	PMI QA 2

QA/QC Approval: _____ Date: 1/2/18

PMI
QA 2



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Gain





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Return Loss Input



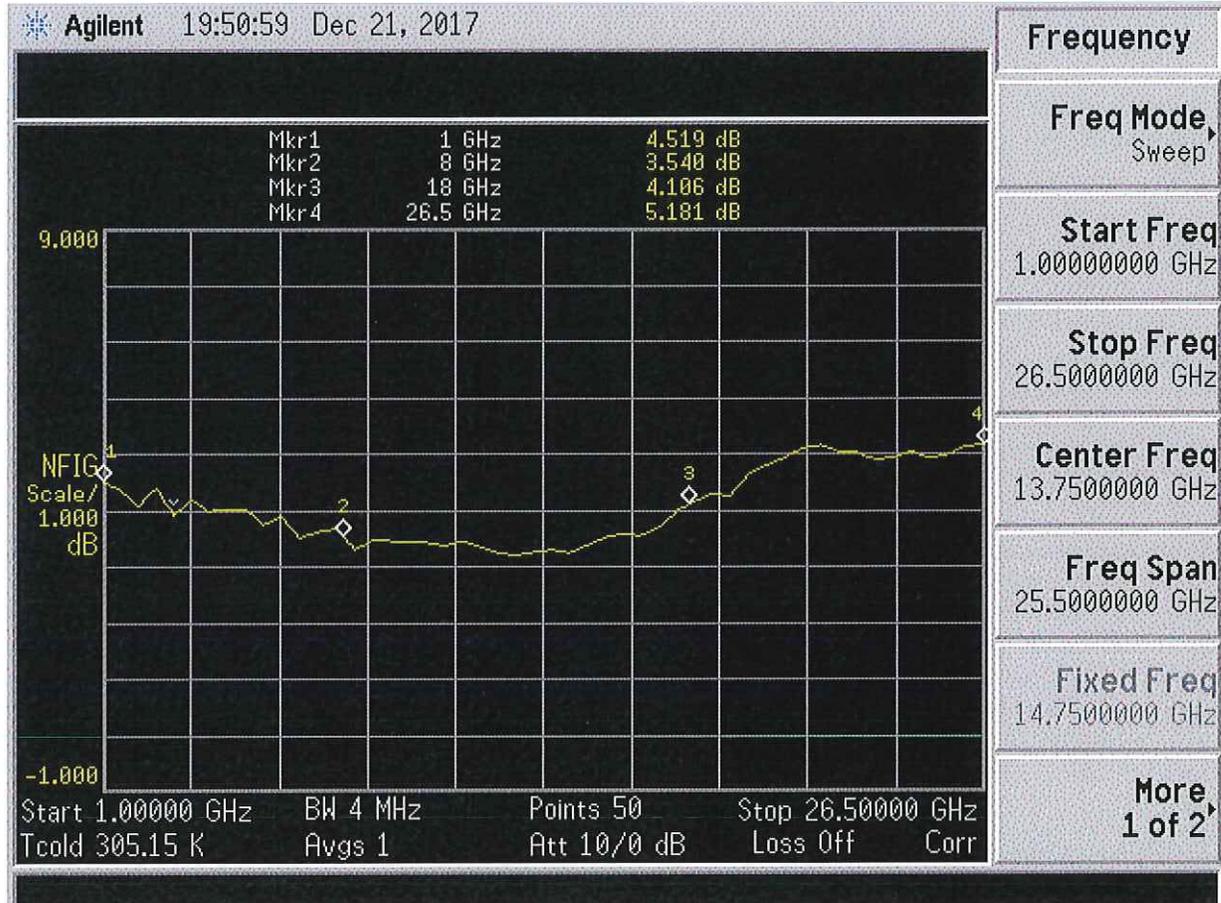
Return Loss Output





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Noise Figure:





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**Pout @ 1dB
Compression**

P1dB

