



**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF**

PL27733/2006

Customer: -	Tested By: <u>J. Emperador</u>
SO No: -	Temperature: <u>+25°C</u>
Model No: <u>PEC-42-500M40G-20-12-292FF</u>	Date: <u>02/03/2020</u>
Serial No: <u>PL27733/2006</u>	Drawing No: <u>27623504</u> Rev: <u>A3</u>

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Frequency Range	500 MHz – 40 GHz	500 MHz – 40 GHz (See Plot)	<i>AB</i> 3-2-20	
2	Gain	42 dB Typ	41.4 dB (See Plot)	 	
3	Gain Flatness	±2.5 dB Typ	±1.90 dB (See Plot)		
4	*Noise Figure	5.5 dB Typ	4.9 dB Pass		
5	Pout @ 1dB Compression	+19 dBm Typ 1-18 GHz +17 dBm Typ 18-40 GHz	+19.0 dBm 1-18 GHz +15.7 dBm 18-40 GHz Pass		
6	Psat	+23 dBm Typ 1-18 GHz +20 dBm Typ 18-40 GHz	+21.0 dBm 1-18 GHz +19.6 dBm 18-40 GHz Pass		
7	VSWR In	2.0:1 Max	1.92:1 (See Plot)		
8	VSWR Out	2.5:1 Max	2.45:1 (See Plot)		
9	Input Power Handling	+17 dBm CW Max	Pass		
10	DC Supply	+12 to +15 VDC @ 450 mA Typ	+12 to +15 VDC @ <u>483</u> mA		<i>AB</i> 3-2-20

*Up To 26.5 GHz

QA/QC Approval: *Arthur Zimmerman* Date: 3-2-2020

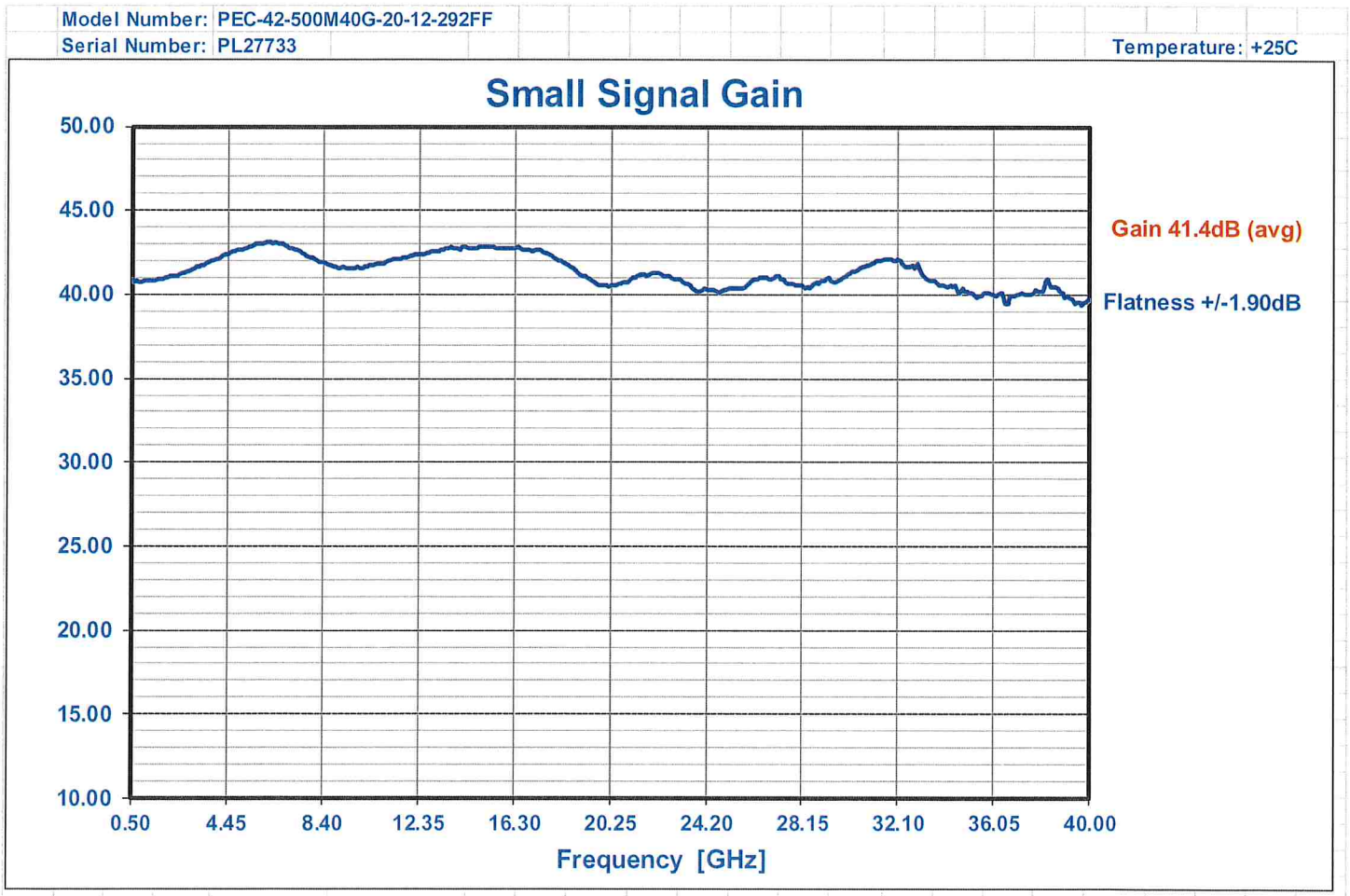
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com



**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF**

PL27733/2006

Gain & Gain Flatness





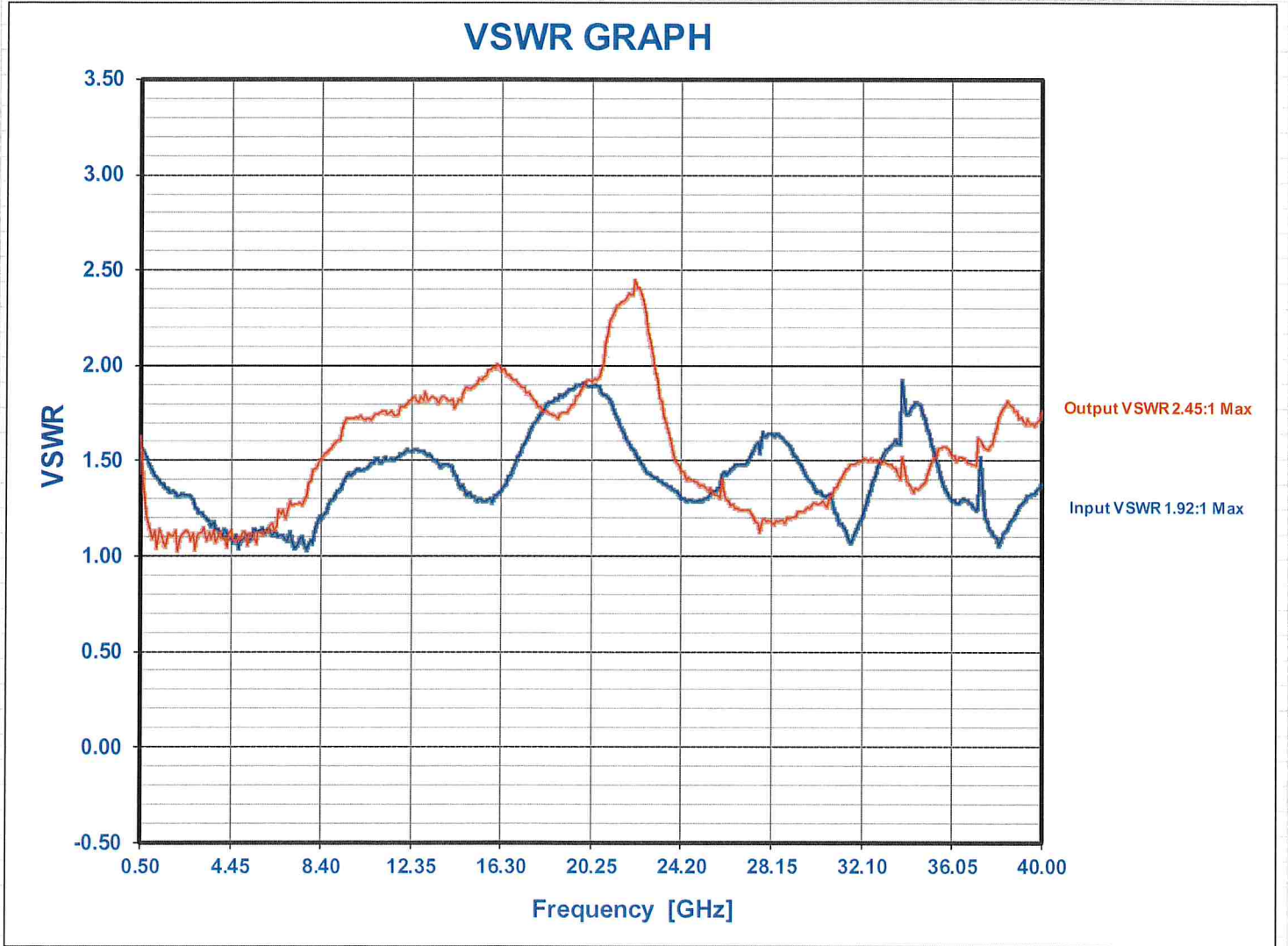
**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF**

PL27733/2006

Input & Output VSWR

Model Number: PEC-42-500M40G-20-12-292FF
Serial Number: PL27733

Temperature: +25C

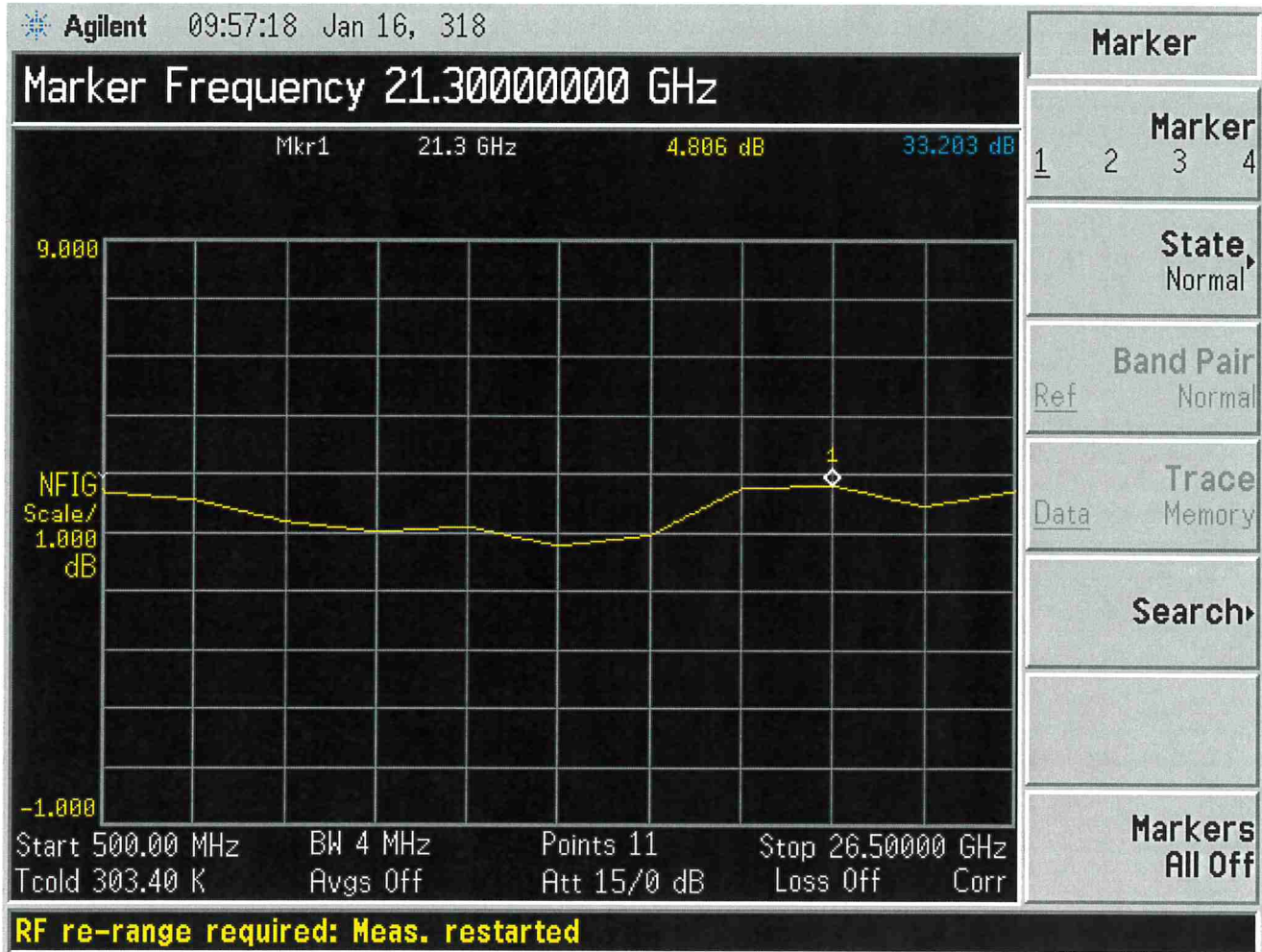




SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF

PL27733/2006

Noise Figure Plot

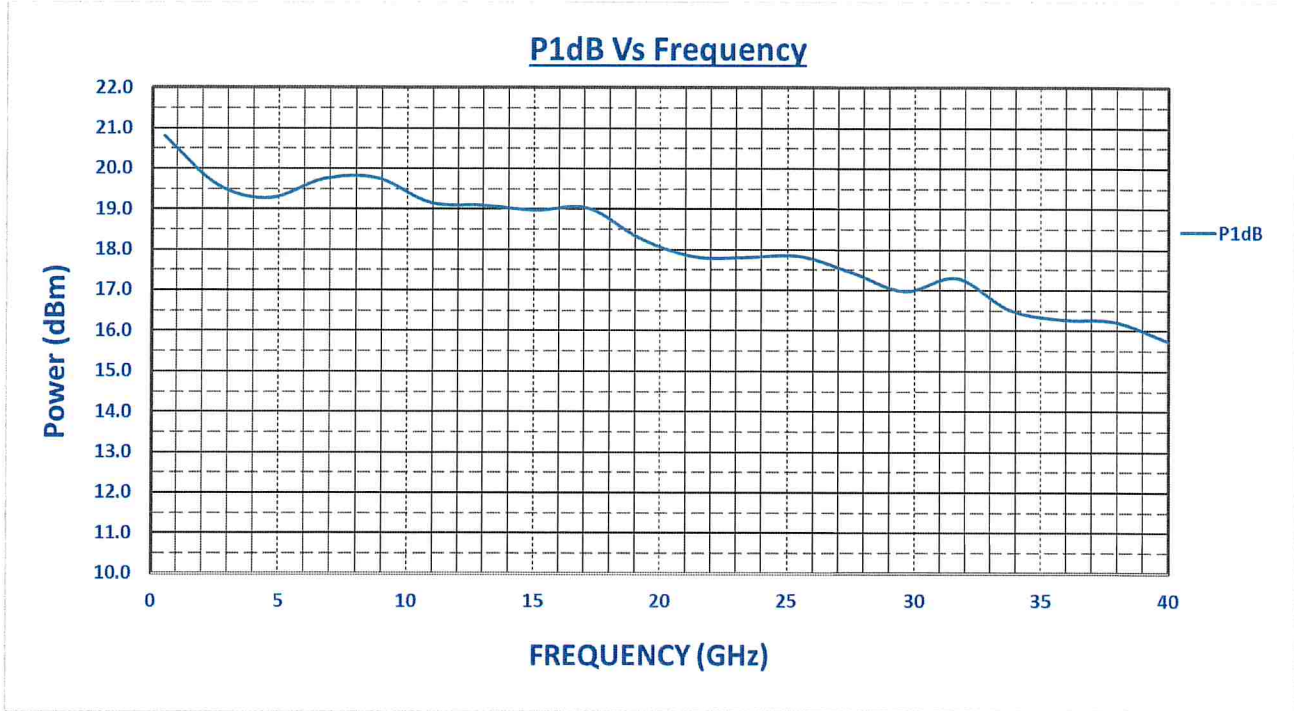




**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF**

PL27733/2006

P1dB Plot



PSAT Plot

