

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

Customer: _____
 SO No: _____
 Model No: PTB-42-1G40G-12-292FF-DC12
 Serial No: 81820
 Part No: _____

Tested By: Jim Hopson
 Temperature: 25 Degrees C
 Date: 10/22 2024
 Drawing No: 27606212 REV: A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC P/MI QA3
1	Frequency Range:	1.0 GHz - 40 GHz	1.0 GHz - 40 GHz	
2	Gain:	40 dB Typ.	41.4 dB Min. 36.9 dB Max. See Plot	
3	Gain Flatness:	±2.5 dB Typ.	+/- 2.4 dB See Plot"	
4	Noise Figure:	5.0 dB Typ. MID-BAND	4.5 dB typ	
5	OP1dB:	+22 dBm Typ. (1-18 GHz) +18 dBm Typ. (18-40 GHz)	22.8 dbm / 20.3dbm See Plot	
6	VSWR: (Input/Output)	2.5:1 Typ.	2.22:1 / 1.98:1	
7	Maximum RF Input:	+15 dBm	+15 dBm	
8	AC Voltage Supply:	120 VAC	120 VAC	
9	DC Voltage Supply: (External)	+12 VDC	+12 VDC @ 400 mA	

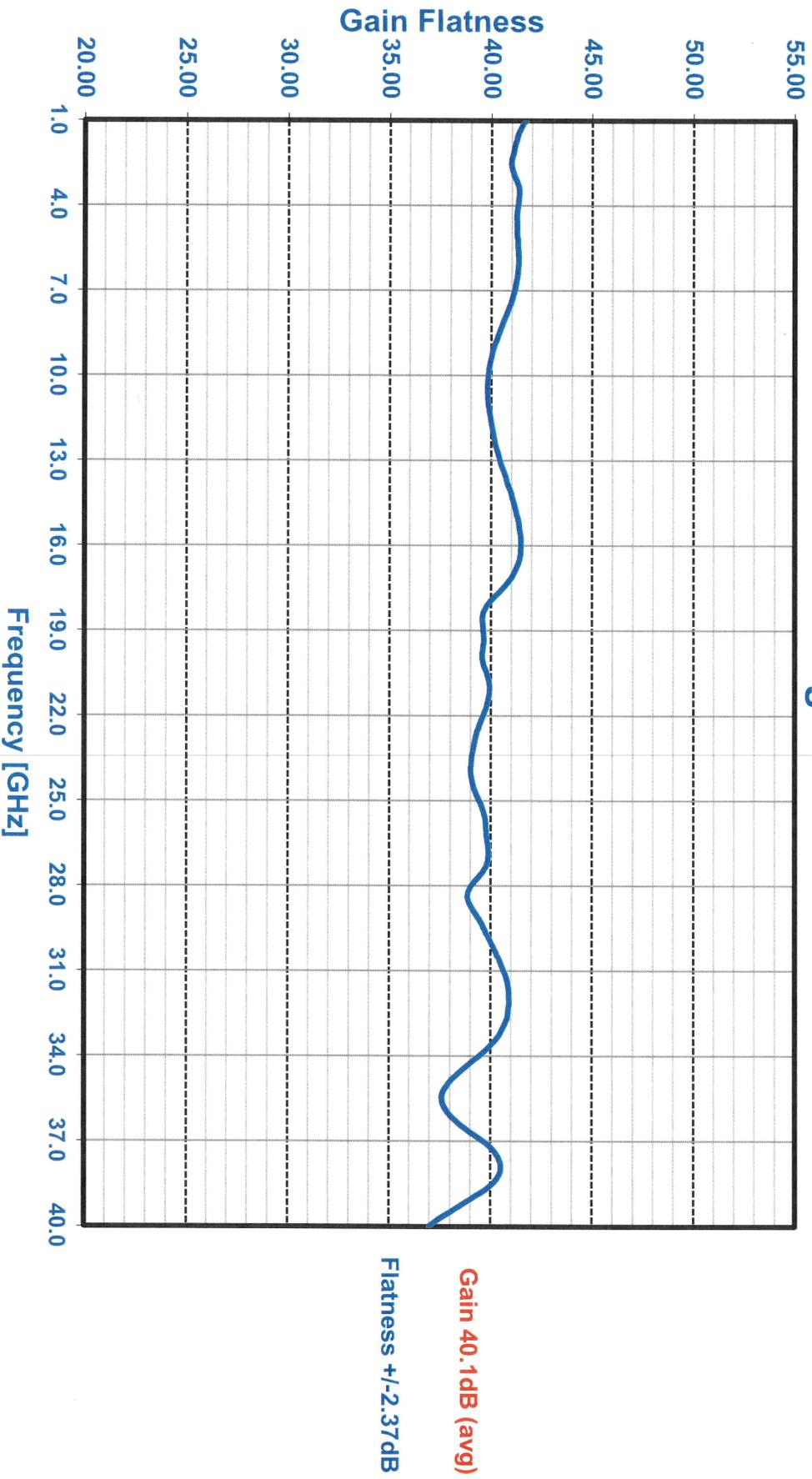
QA/QC Approval: *K. K...*

Date: 10-23-24

Model Number: PTB-42-1G40G-12-292FF-DC12
Serial Number: V000977F011020181820

Temperature: +25C

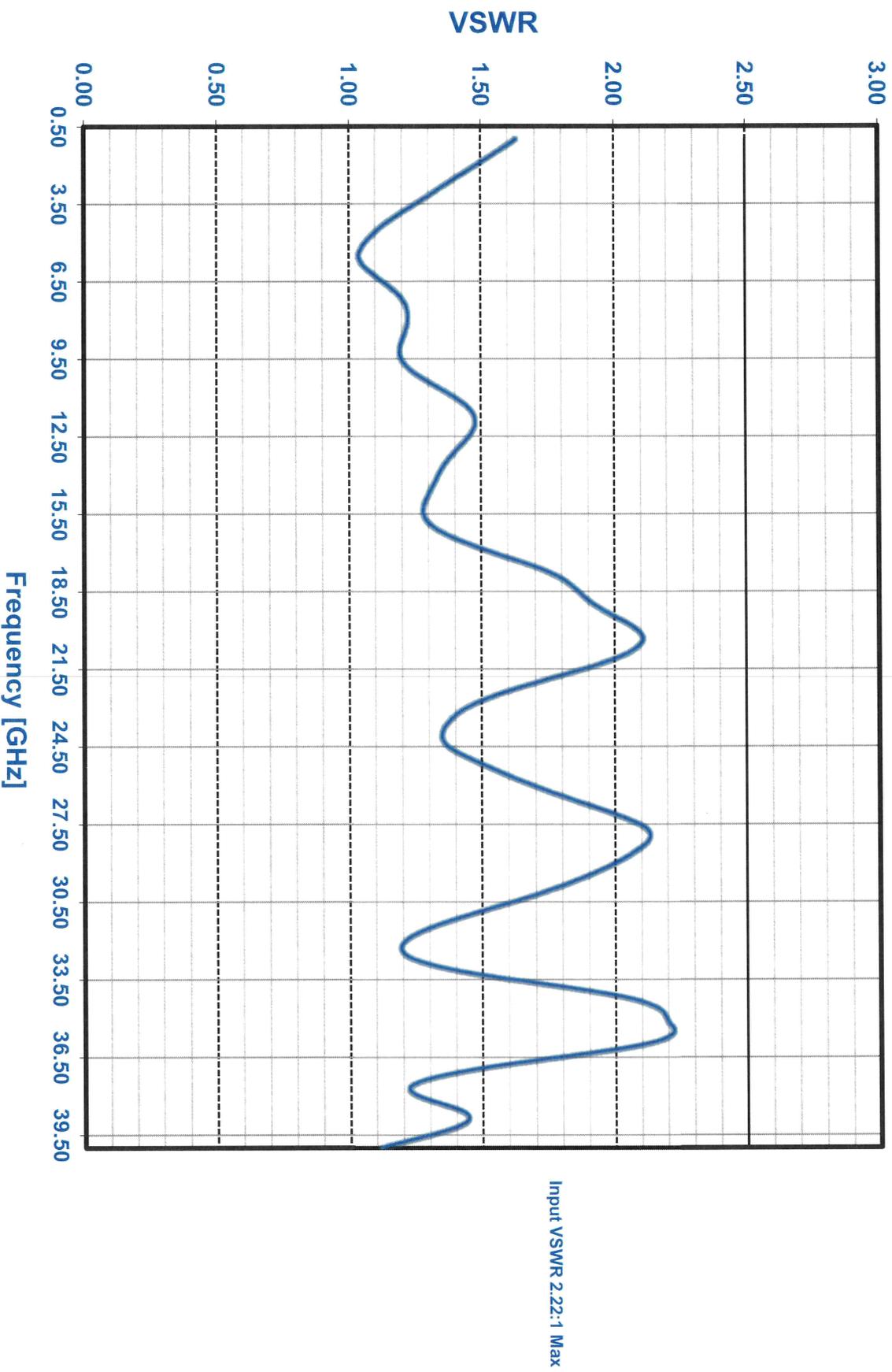
Small Signal Gain



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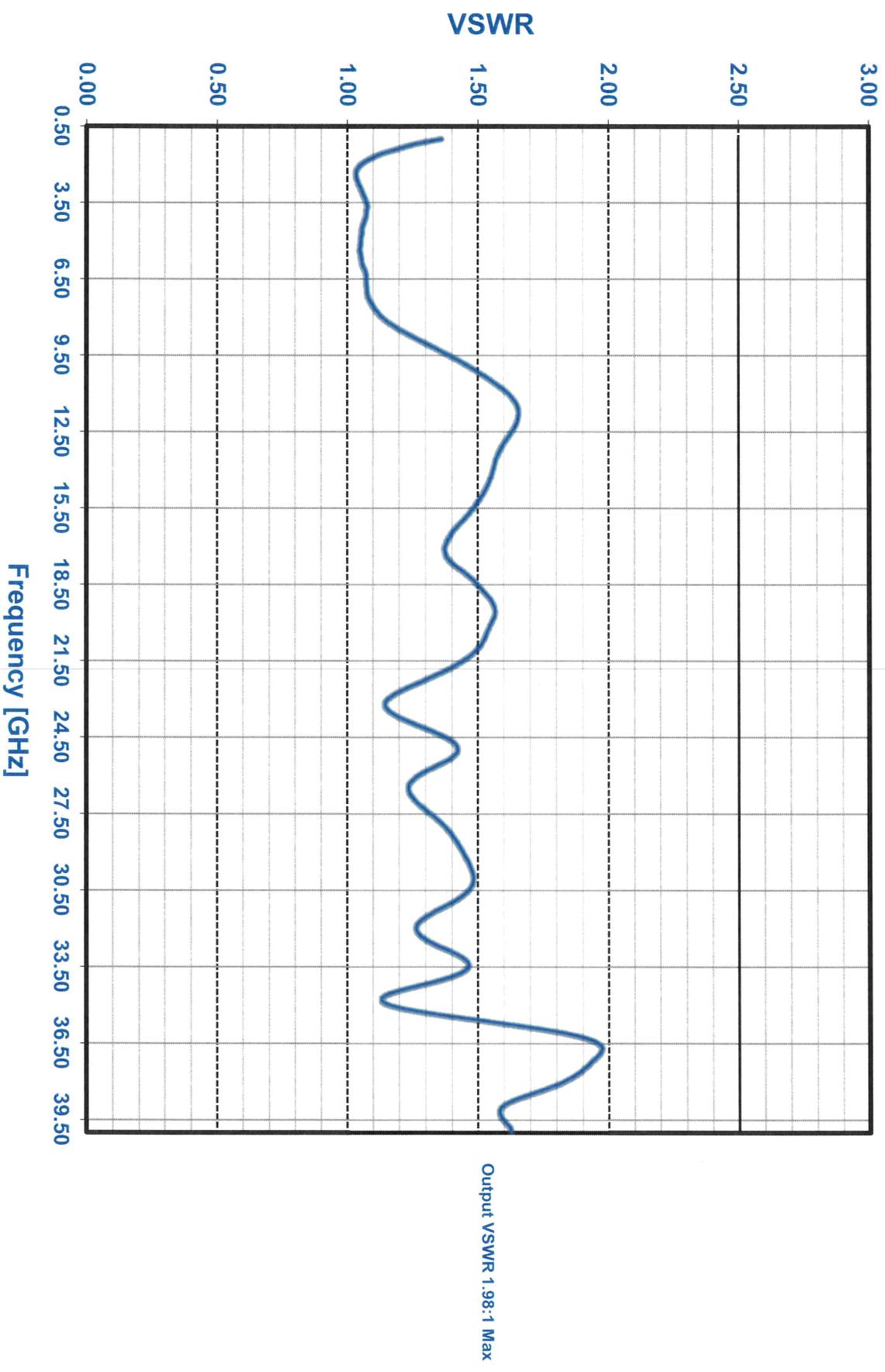
Input VSWR GRAPH



Model Number: PTB-42-1G40G-12-292FF-DC12
Serial Number: V000977F011020181820

Temperature: +25C

Output VSWR GRAPH



PTB-42--1G40G-12-29FF-DC12

SN V000977F011020181820

FREQ GHz	1dB COMPRESSION		P-SAT	
1	19.60	dBm	23.40	dBm
2.5	19.30	dBm	23.30	dBm
4.5	18.50	dBm	23.50	dBm
6.5	18.70	dBm	23.50	dBm
8.5	18.60	dBm	23.10	dBm
10.5	18.50	dBm	22.70	dBm
12.5	18.70	dBm	22.60	dBm
14.5	18.80	dBm	22.40	dBm
16.5	18.70	dBm	22.00	dBm
18	18.00	dBm	21.50	dBm
20.5	17.50	dBm	21.30	dBm
22.5	17.40	dBm	20.80	dBm
24.5	17.00	dBm	20.50	dBm
26.5	17.30	dBm	20.10	dBm
28.5	16.00	dBm	20.40	dBm
30.5	15.90	dBm	20.40	dBm
32.5	15.90	dBm	20.10	dBm
34.5	15.50	dBm	19.90	dBm
36.5	14.60	dBm	19.70	dBm
38.5	14.00	dBm	19.20	dBm
40	13.5	dBm	19.30	dBm