



**Summary Test Data
On
PDVAN-8018-120-8**

Customer: _____
 Job No: _____
 Model No: PDVAN-8018-120-8
 Serial No: PL36477/2218

Tested By: K. Mansfield, Y. Li
 Date: Friday, April 29, 2022
 Temperature: +25C
 Drawing No: 27641560 Rev: A1

Test Item No:	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range:	8 GHz to 18 GHz	8 GHz to 18 GHz	PMI QA1
2	Insertion Loss:	7.5 dB MAX	6.7 dB See Plot	
3	VSWR:	2.0:1 MAX at 0 dB Attenuation	IN: 1.8:1 OUT: 1.7:1 See Plot	
4	Flatness to 10 dB:	±0.8 dB	±0.41 dB See Plot	
5	Flatness to 20 dB:	±1.1 dB	±0.58 dB See Plot	
6	Flatness to 40 dB:	±1.5 dB	±0.71 dB See Plot	
7	Flatness to 60 dB:	±1.6 dB	±0.9 dB See Plot	
8	Flatness to 80 dB:	±2.5 dB	±1.65 dB See Plot	
9	Flatness to 100 dB:	±3.2 dB	±2.96 dB See Plot	
10	Accuracy of Attenuation: 0 to 30 dB	±0.5 dB	±0.39 dB See Plot	
11	Accuracy of Attenuation: 30 to 50 dB	±1.0 dB	±0.58 dB See Plot	
12	Accuracy of Attenuation: 50 to 60 dB	±1.5 dB	±0.54 dB See Plot	
13	Accuracy of Attenuation: 60 to 80 dB	±2.0 dB	±0.54 dB See Plot	
14	Accuracy of Attenuation: 80 to 120 dB	±2.5 dB	±1.34 dB See Plot	
15	Switching Speed:	3 usec MAX	Pass See Typical Characteristics	
16	DC Supply:	+6V @ 700 mA Max	687 mA	

Programmed Attenuation	Measured Average	Accuracy	Flatness (±)
0.5	0.45	-0.05	0.05
1	0.97	-0.03	0.09
2	2.06	0.06	0.15
4	4.17	0.17	0.25
8	8.16	0.16	0.37
16	16.38	0.38	0.54
32	32.50	0.50	0.66
64	64.50	0.50	0.80
100	100.62	0.62	2.45
120	119.29	-0.71	12.43

Programmed Attenuation	Measured Average	Accuracy	Flatness (±)
10	9.92	-0.08	0.41
20	20.38	0.38	0.58
30	30.39	0.39	0.65
40	40.58	0.58	0.71
50	50.48	0.48	0.76
60	60.54	0.54	0.90
70	70.37	0.37	0.92
80	80.16	0.16	1.65
90	90.22	0.22	2.96
110	111.34	1.34	5.58

QA/QC Approval:

PMI
QA1

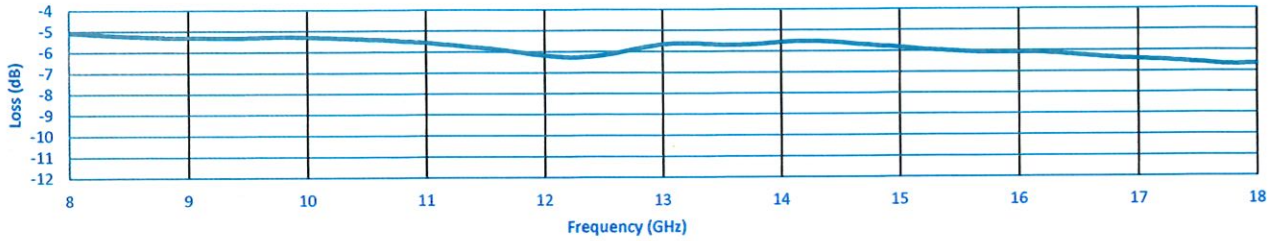
Date: 4/29/22



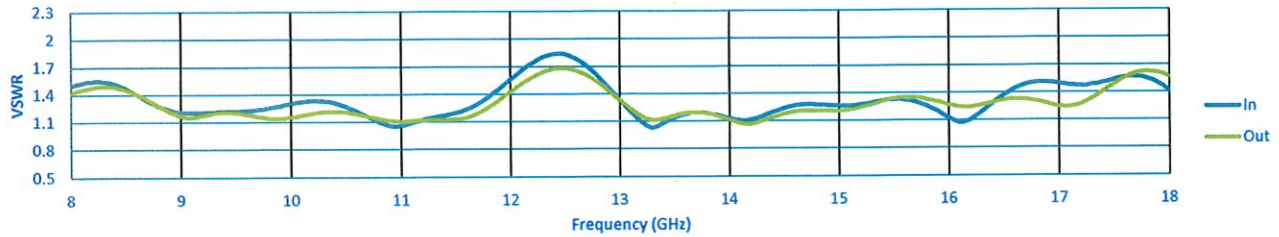
Summary Test Data On PDVAN-8018-120-8

PL36477/2218

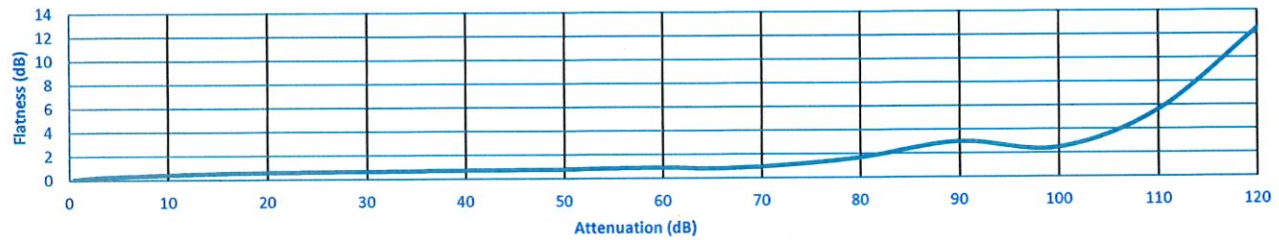
Insertion Loss



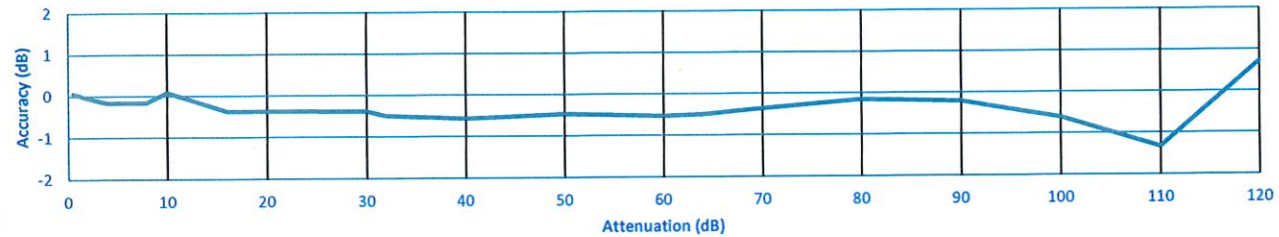
0dB State VSWR



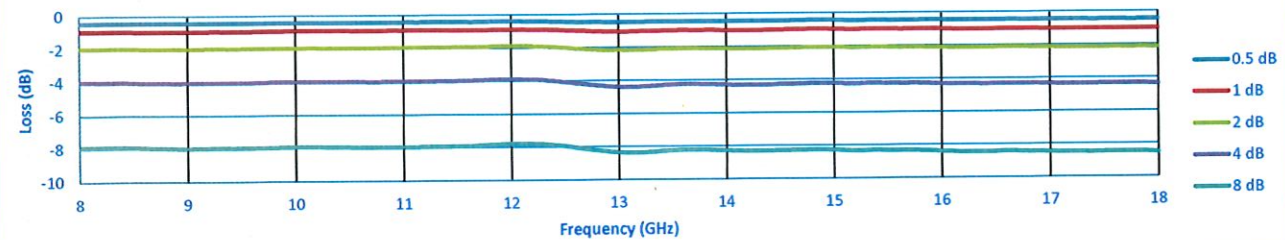
Flatness



Accuracy



Attenuation (Small Bits)





Summary Test Data On PDVAN-8018-120-8

PL36477/2218

