



## SUMMARY TEST DATA ON DTA-100M40G-30-CD-1

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-100M40G-30-CD-1  
 Serial No: PL39539/2307

Tested By: K. Mansfield  
 Temperature: +25° C  
 Date: Friday, February 17, 2023  
 Drawing No: 27615615 Rev: A2

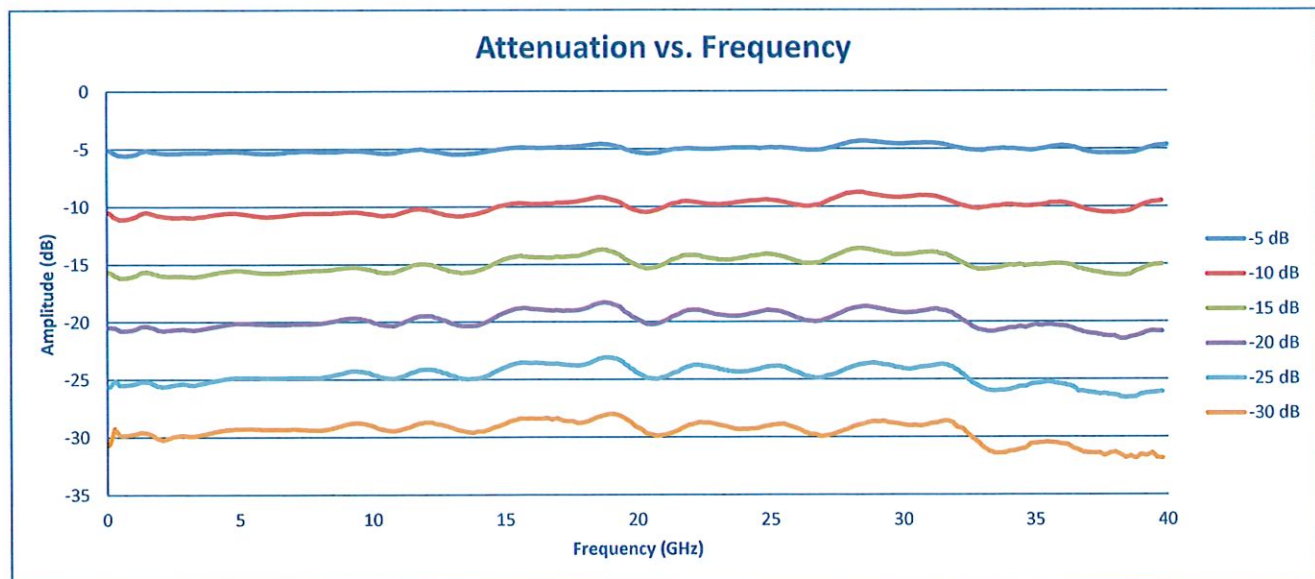
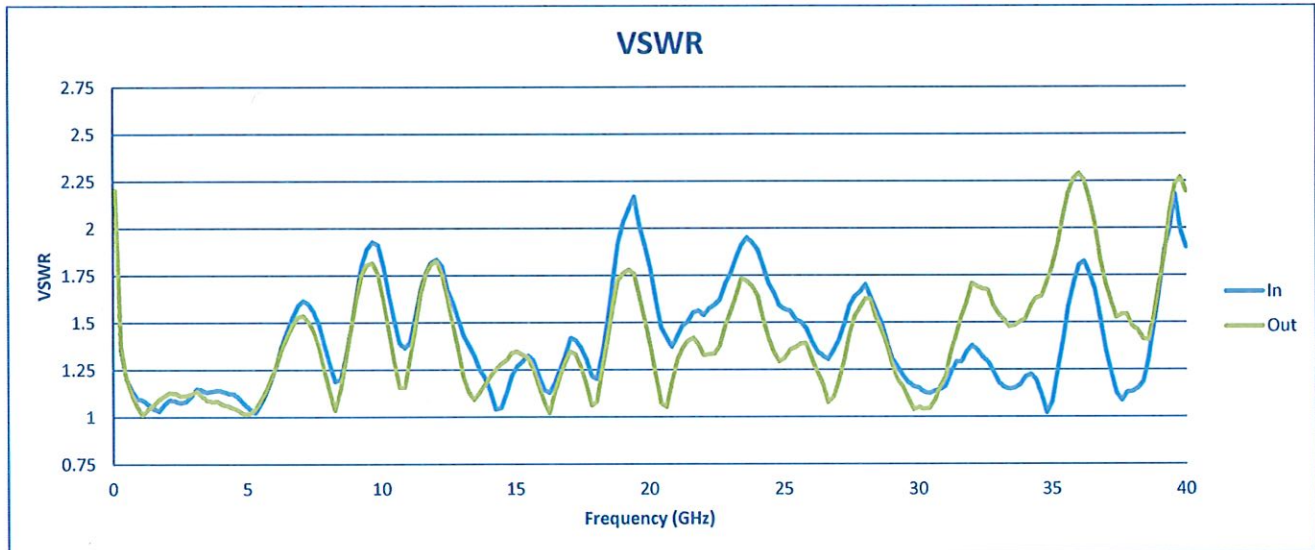
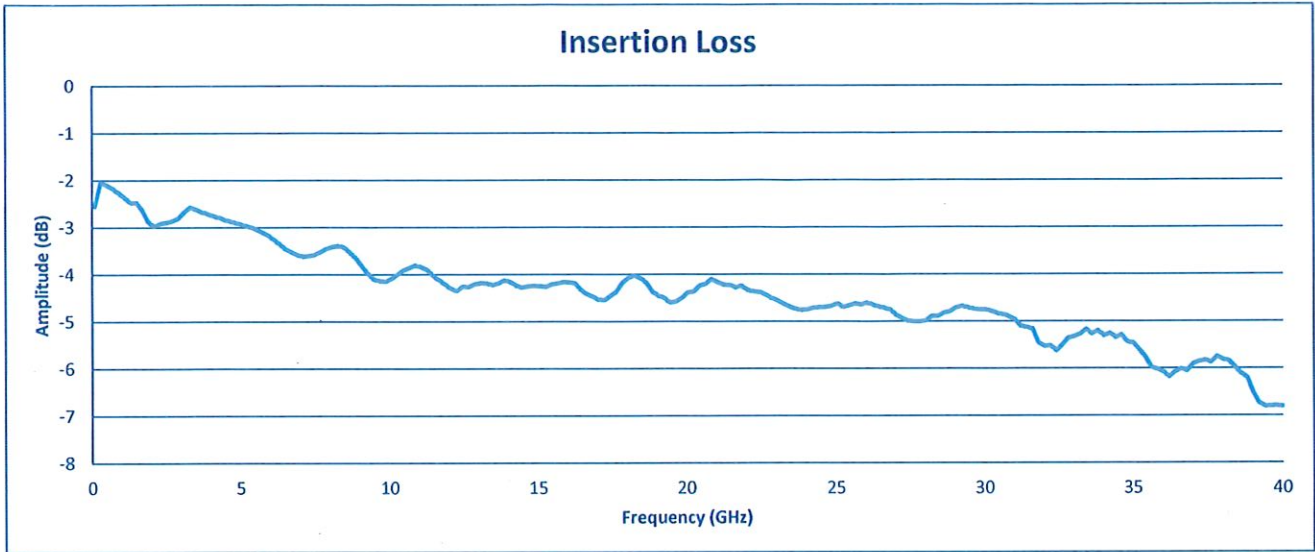
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	100 MHz to 40 GHz	100 MHz to 40 GHz	PMI QA2	
2	Mean Attenuation Range:	30 dB	30.8 dB		
3	Insertion Loss:	5.0 dB Typ. (Up to 20 GHz) 8.0 dB Typ. (Up to 40 GHz)	4.59 dB 6.81 dB See Plot		
4	VSWR:	2.5:1 Typ.	2.29:1 See Plot		
5	Accuracy of Attenuation:	± 2.5 dB Typ.	±0.17 dB See Plot		
6	Minimum Attenuation Step:	1.0 dB	0.99 dB See Plot		
7	Power Handling Capability:	+24 dBm CW Max.	See Typical Characteristics		
8	Input 1 dB Compression:	+20 dBm Typ.	See Typical Characteristics		
9	Switching Speed:	On: 1.0 µs Max. Off: 0.5 µs Max.	See Typical Characteristics		
10	DC Supply:	+15VDC @ 50 mA Max.	38 mA		PMI QA2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
1.00	0.99	0.01	0.17
2.00	1.96	0.04	0.24
4.00	3.90	0.10	0.45
8.00	7.93	0.07	1.06
16.00	15.86	0.14	1.25
31.00	30.79	0.21	1.95

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.94	0.06	0.63
10.00	9.92	0.08	1.16
15.00	14.89	0.11	1.28
20.00	19.88	0.12	1.58
25.00	24.83	0.17	1.75
30.00	29.91	0.09	1.92

QA/QC Approval:   PMI QA2

Date: 2/21/2023



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