



SUMMARY TEST DATA ON DTA-30M7D2G-60-CD-1

Customer: _____

Tested By: J. Fitzpatrick/K. Mansfield

Job No: _____

Date: Wednesday, July 1, 2026

Model No: DTA-30M7D2G-60-CD-1

Temperature: +25° C

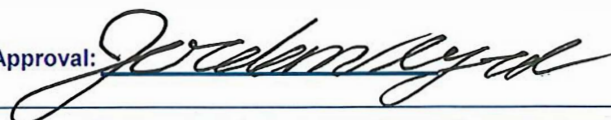
Serial No: PL60993/2627

Drawing No: 27653940 Rev: A1

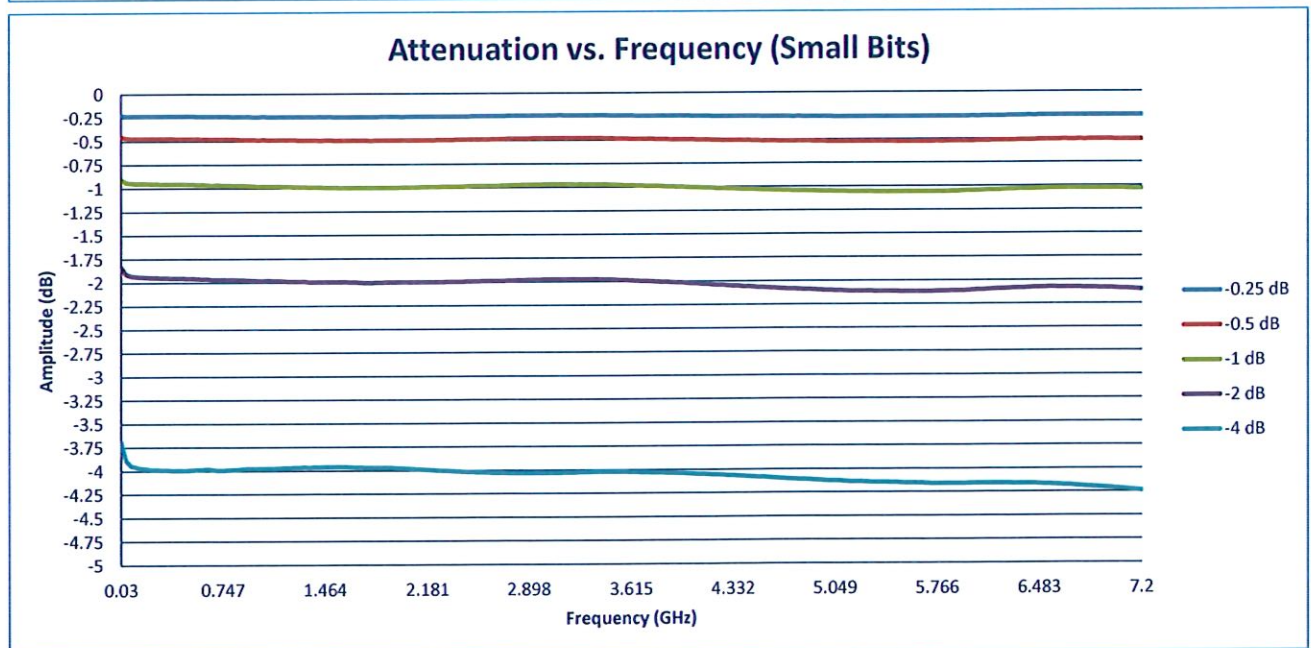
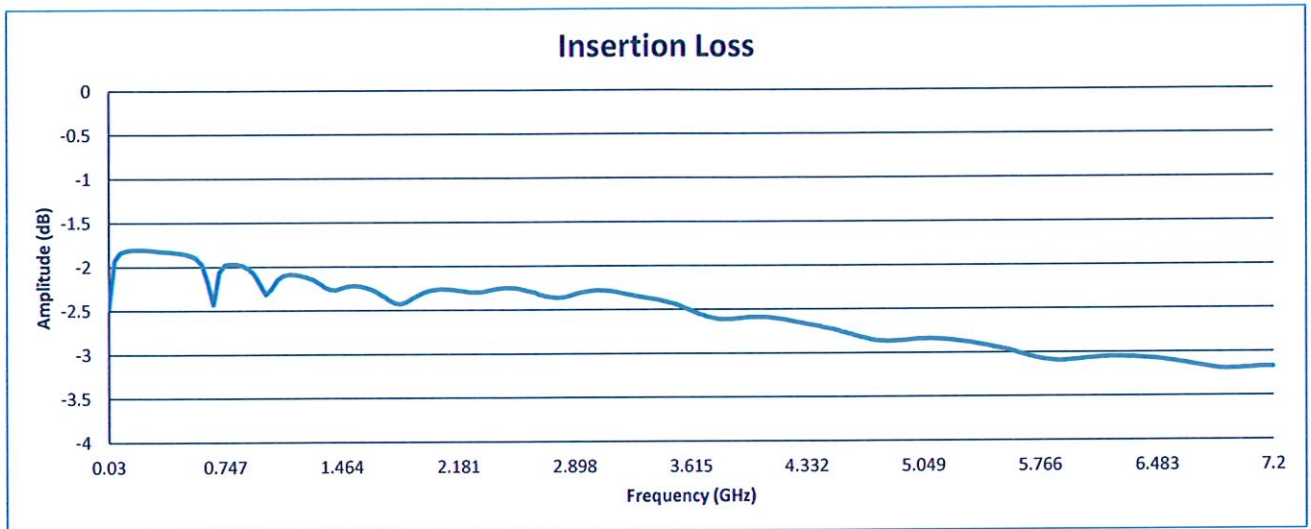
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC
1	Frequency Range:	30 MHz – 7.2 GHz	30 MHz – 7.2 GHz	PMI QA5
2	Mean Attenuation Range:	60 dB	63.7 dB See Plot	
3	Insertion Loss:	4.0 dB Max.	3.19 dB See Plot	
4	Return Loss:	-8.5 dB Max.	-9.42 dB	
5	Attenuation Flatness:	±1.0 dB Typ. @ 10 dB ±1.5 dB Typ. @ 20 dB ±3.0 dB Typ. @ 40 dB ±5.0 dB Typ. @ 60 dB	±0.5 dB ±0.39 dB ±0.32 dB ±1 dB See Plot	
6	Accuracy of Attenuation:	±1.0 dB Typ. 0 dB to 30 dB ±1.3 dB Typ. 30 dB to 50 dB ±1.5 dB Typ. 50 dB to 60 dB	±0.13 dB ±0.11 dB ±0.04 dB See Plot	
7	Switching Speed:	50 µs Max.	See Typical Characteristics	
8	Monotonicity:	Verify	Pass	
9	DC Supply:	+12 VDC @ 180 mA Max.	77 mA	PMI QA5

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.25	0.24	0.01	0.02
0.50	0.49	0.01	0.04
1.00	0.98	0.02	0.08
2.00	1.97	0.03	0.15
4.00	3.96	0.04	0.27
8.00	7.96	0.04	0.45
16.00	15.95	0.05	0.43
32.00	31.89	0.11	0.34
63.75	63.66	0.09	0.46

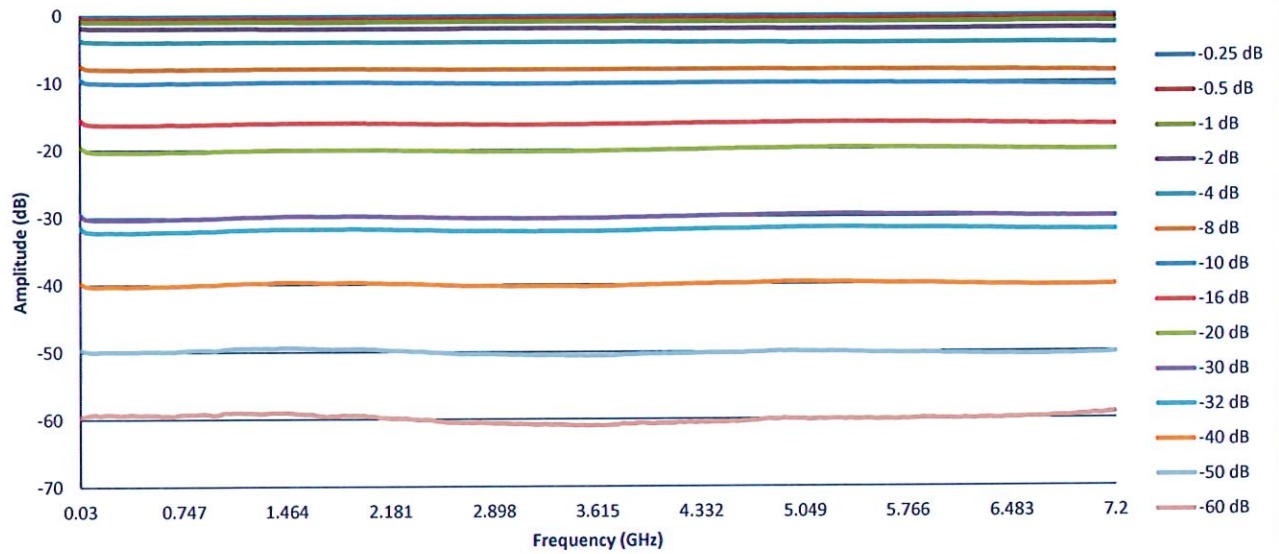
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.95	0.05	0.33
10.00	9.98	0.02	0.50
15.00	14.94	0.06	0.46
20.00	19.96	0.04	0.39
25.00	24.91	0.09	0.37
30.00	29.95	0.05	0.36
35.00	34.92	0.08	0.33
40.00	39.96	0.04	0.32
45.00	44.97	0.03	0.45
50.00	49.97	0.03	0.62
55.00	54.96	0.04	0.90
60.00	59.97	0.03	1.00

QA/QC Approval: 

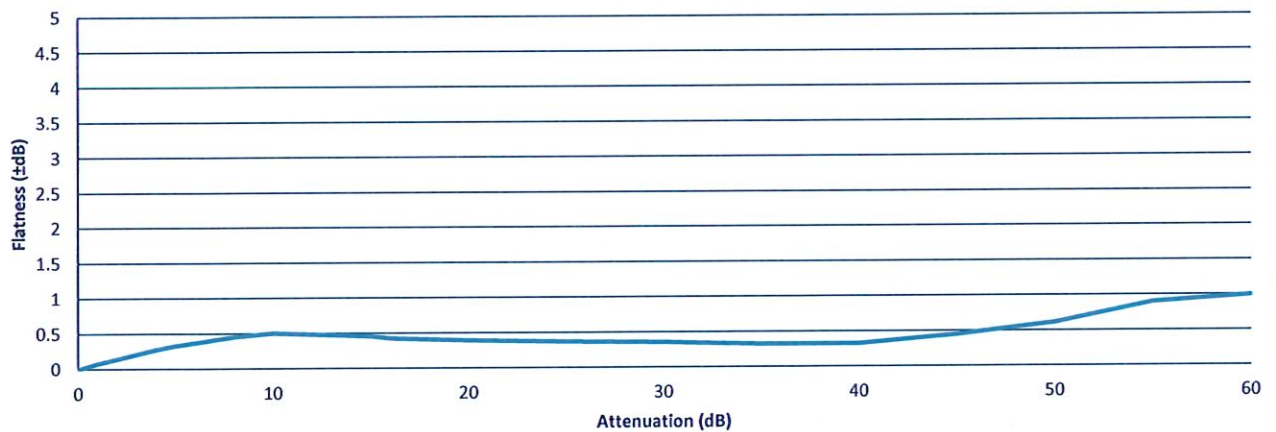
Date: 7/15/26



Attenuation vs. Frequency (All Bits)



Flatness



Accuracy

