

# SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: 44570  
 Part No: \_\_\_\_\_

Tested By: A. Mousavi  
 Date: 1/17/2025  
 Temperature: +25° C  
 Drawing No: 27617795      Rev: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	RESULTS	QA QC	
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA4	
2	Insertion Loss:	4.8 dB Max.	4.3 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.5 dB Max.	±0.45 dB See Plot		
6	Flatness to 40 dB:	± 1.75 dB Max.	±1.27 dB See Plot		
7	Flatness to 60 dB:	± 5.0 dB Max.	±3.63 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Max.	±0.17 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Max.	±0.26 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Max.	±1.91 dB See Plot		
11	Switching Speed:	1.0 µs Max. On	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15 VDC @ 150 mA Max.	120 mA		PMI QA4

Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
0.0625	0.08	-0.02	0.03
0.125	0.14	-0.01	0.04
0.25	0.26	-0.01	0.06
0.50	0.51	-0.01	0.09
1.00	1.01	-0.01	0.11
2.00	2.02	-0.02	0.18
4.00	4.03	-0.03	0.30
8.00	8.08	-0.08	0.35
16.00	16.12	-0.23	0.36
32.00	32.23	-0.23	0.96
62.00	64.35	-2.35	4.68
63.94	65.76	-1.82	5.02

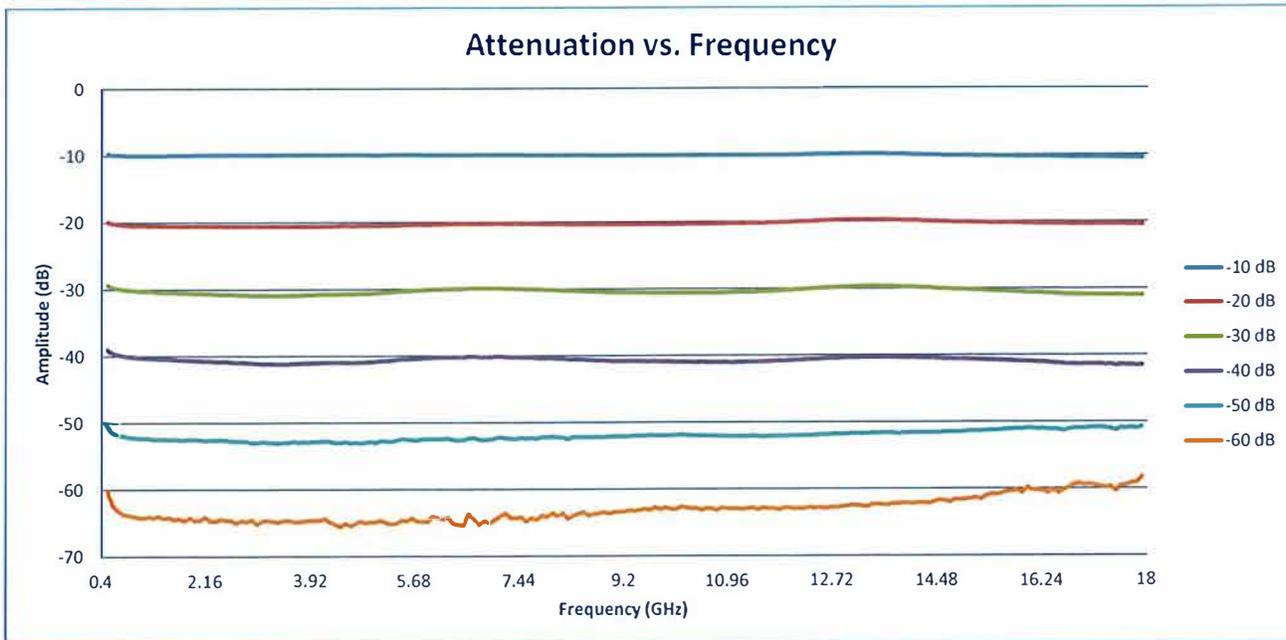
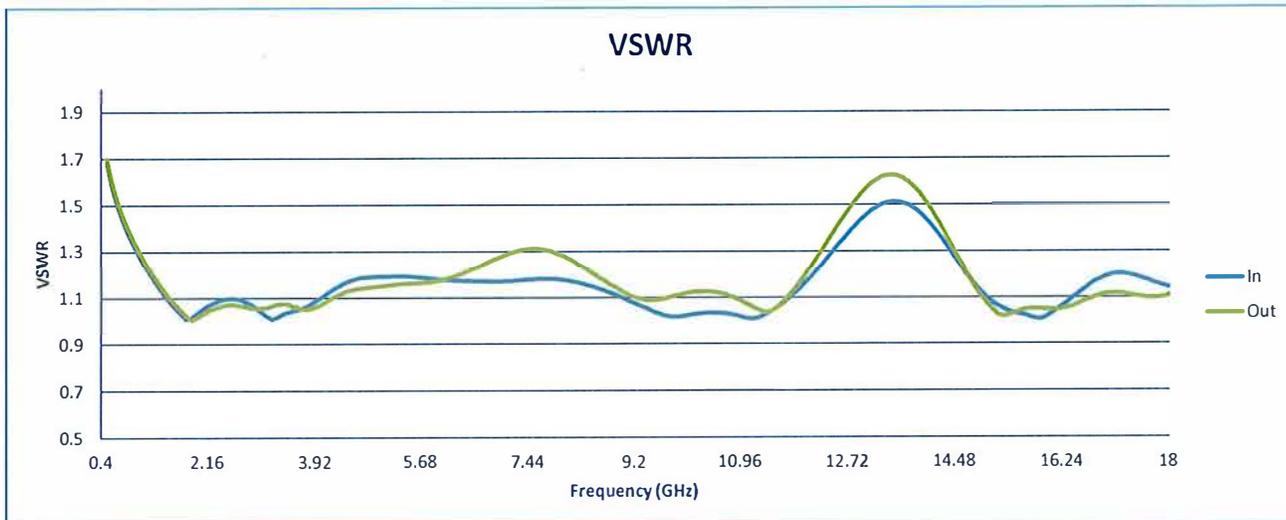
Programed Attenuation dB	Attenuation dB	Accuracy of Attenuation dB	Flatness dB
5.00	4.83	0.17	0.32
10.00	10.11	-0.11	0.36
15.00	15.06	-0.06	0.36
20.00	20.15	-0.15	0.45
25.00	25.11	-0.11	0.60
30.00	30.22	-0.22	0.83
35.00	35.17	-0.17	1.27
40.00	40.26	-0.26	1.27
45.00	45.38	-0.38	1.45
50.00	51.63	-1.63	1.42
55.00	56.90	-1.90	2.60
60.00	61.91	-1.91	3.63

QA/QC Approval: *Commercy Kelley*

Date: 1/22/25

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