

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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: 44569
 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.	4.4 dB See Plot	
3	VSWR:	2.0:1 Max.	1.7:1 See Plot	
4	Flatness to 20 dB:	± 1.5 dB Max.	±0.5 dB See Plot	
6	Flatness to 40 dB:	± 1.75 dB Max.	±0.99 dB See Plot	
7	Flatness to 60 dB:	± 5.0 dB Max.	±2.78 dB See Plot	
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Max.	±0.63 dB See Plot	
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Max.	±1.27 dB See Plot	
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Max.	±1.8 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	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.08	-0.02	0.03
0.125	0.14	-0.01	0.04
0.25	0.25	0.00	0.06
0.50	0.50	0.00	0.09
1.00	1.00	0.00	0.10
2.00	2.01	-0.01	0.17
4.00	4.01	-0.01	0.28
8.00	8.17	-0.17	0.32
16.00	16.47	-1.18	0.32
32.00	33.18	-1.18	0.74
62.00	63.88	-1.88	3.16
63.94	66.25	-2.31	3.81

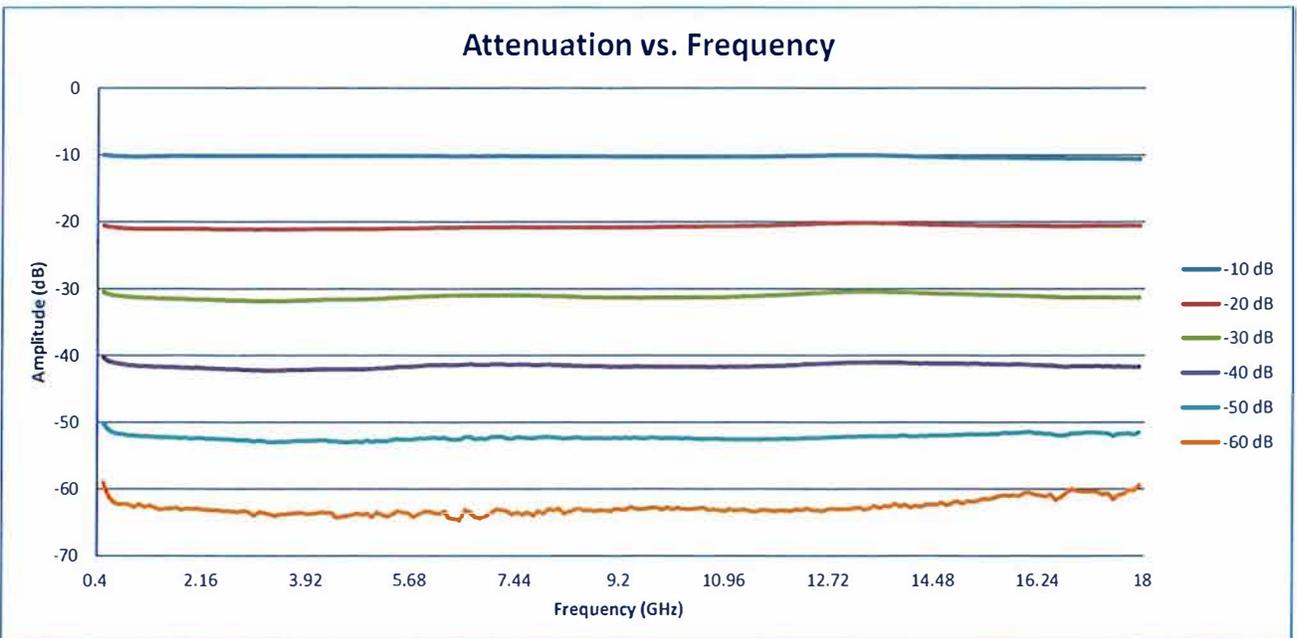
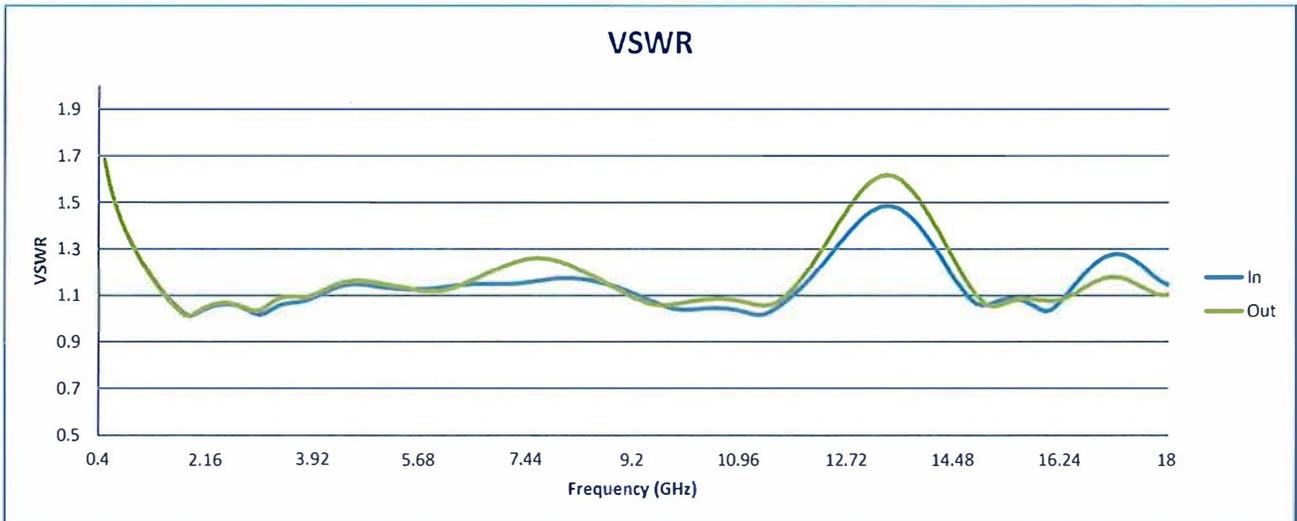
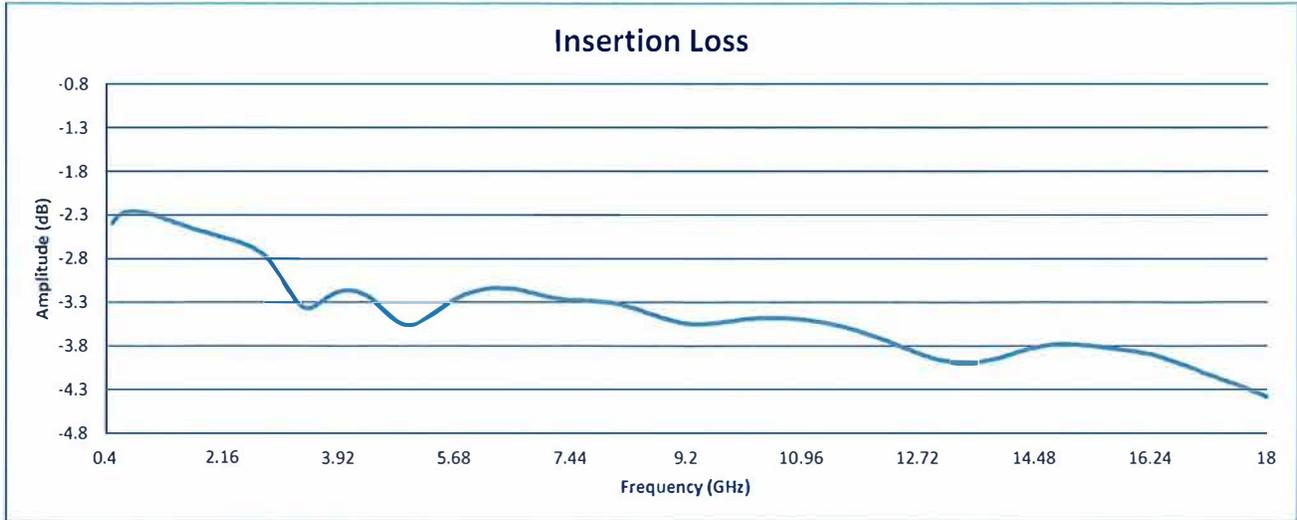
Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.85	0.15	0.30
10.00	10.27	-0.27	0.31
15.00	15.35	-0.35	0.28
20.00	20.63	-0.63	0.50
25.00	25.82	-0.82	0.67
30.00	31.12	-1.12	0.71
35.00	36.13	-1.13	0.87
40.00	41.27	-1.27	0.99
45.00	46.38	-1.38	1.18
50.00	51.53	-1.53	1.46
55.00	56.57	-1.57	1.87
60.00	61.80	-1.80	2.78

QA/QC Approval: *Camaron Velazquez*

Date: 1/22/25

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