



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: PL17079/1515

Tested By: E. Kretz  
 Date: Tuesday, June 19, 2018  
 Temperature: +25° C  
 Drawing No: 27617795 Rev: A2

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA 1	
2	Insertion Loss:	4.8 dB Max.	4.6 dB See Plot		
3	VSWR:	2.0:1 Max.	1.7:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.89 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	1.07 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.7 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.44 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.49 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.48 dB See Plot		
11	Switching Speed:	1.0 us Max.	< 1.0 us See Typical Characteristics		
12	DC Supply:	+15VDC @ 155 mA	110 mA		PMI QA 1

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0625	0.05	0.01	0.02
0.125	0.12	0.00	0.03
0.25	0.26	-0.01	0.05
0.50	0.50	0.00	0.08
1.00	0.99	0.01	0.10
2.00	1.95	0.05	0.17
4.00	3.94	0.06	0.22
8.00	7.86	0.14	0.40
16.00	15.72	0.45	0.75
32.00	31.55	0.45	1.07
62.00	61.43	0.57	2.35
63.94	63.64	0.30	2.47

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.83	0.17	0.25
10.00	9.83	0.17	0.49
15.00	14.69	0.31	0.71
20.00	19.64	0.36	0.89
25.00	24.56	0.44	0.99
30.00	29.56	0.44	1.05
35.00	34.51	0.49	1.07
40.00	39.55	0.45	1.06
45.00	44.52	0.48	1.08
50.00	49.58	0.42	1.11
55.00	54.59	0.41	1.44
60.00	59.64	0.36	1.70

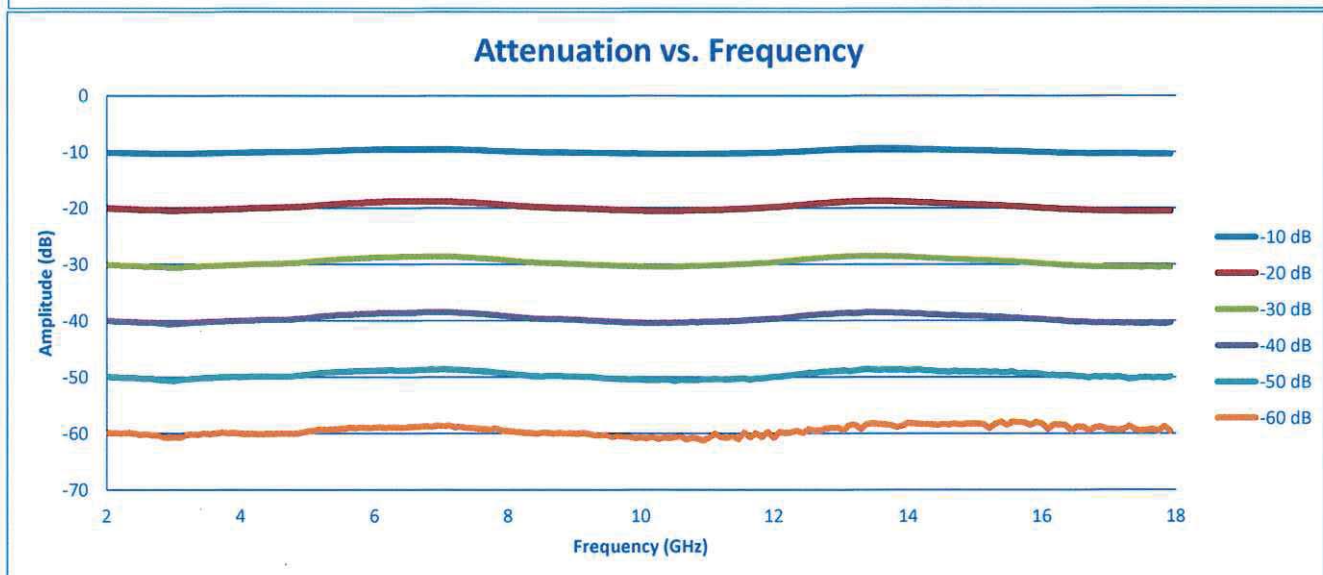
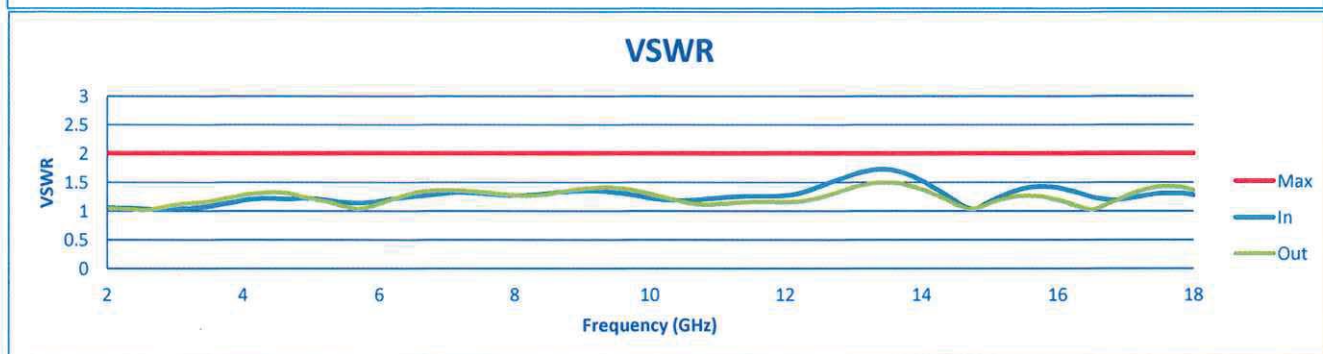
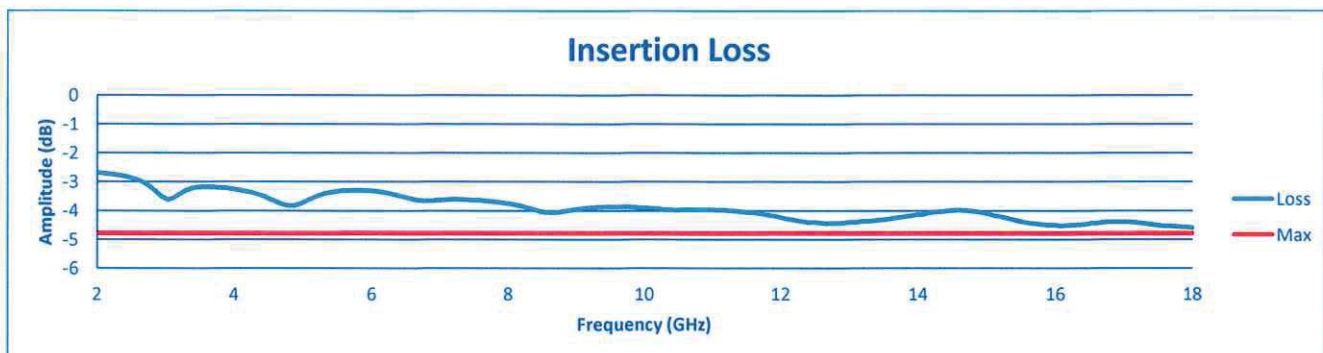
QA/QC Approval:  PMI QA 1

Date: 6/19/18



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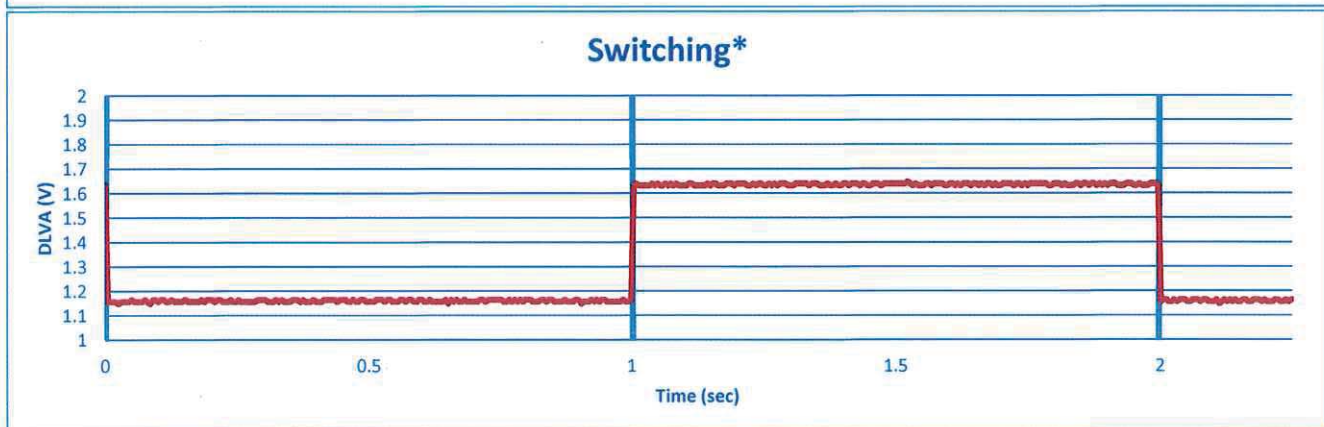
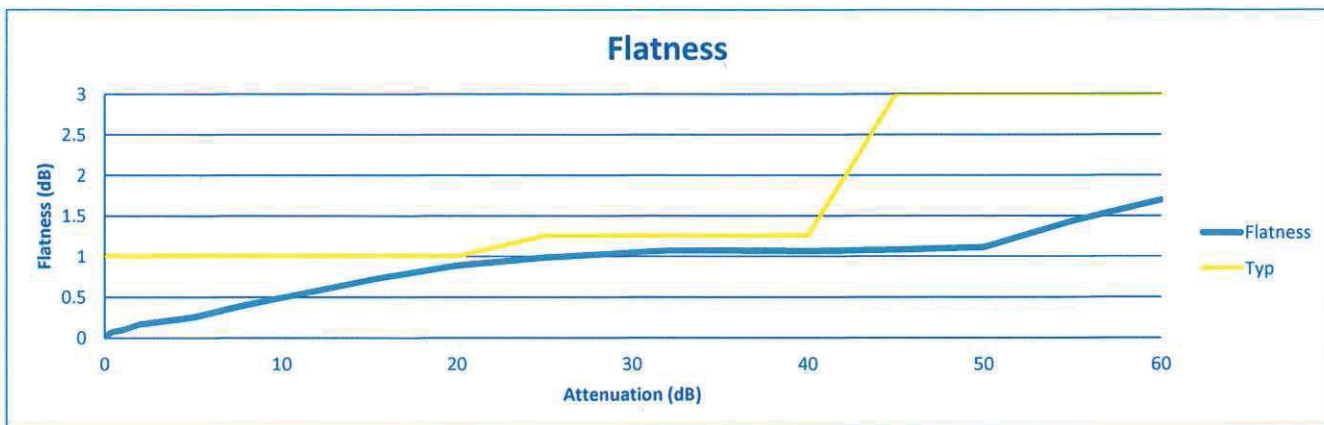






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9 GHz @ -13.4 dBm

Switching from 0 to -20 dB Attenuation

25 mV  $\approx$  1 dB