



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

Customer: _____
 Job No: _____
 Model No: DTA-0R5G18G-60-CD-1
 Serial No: PL17027/1515

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.	4.8 dB See Plot		
3	VSWR:	2.0:1 Max.	1.5:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.8 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	1.3 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.35 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.06 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.12 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.35 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	0.03	0.03	0.04
0.125	0.10	0.02	0.05
0.25	0.24	0.01	0.06
0.50	0.49	0.01	0.08
1.00	0.99	0.01	0.09
2.00	1.99	0.01	0.13
4.00	4.01	-0.01	0.19
8.00	8.01	-0.01	0.26
16.00	15.99	0.01	0.57
32.00	31.99	0.01	1.25
62.00	61.92	0.08	2.90
63.94	-0.01	63.95	0.07

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.99	0.01	0.21
10.00	10.00	0.00	0.28
15.00	14.94	0.06	0.51
20.00	20.00	0.00	0.80
25.00	24.94	0.06	1.05
30.00	30.12	-0.12	1.21
35.00	34.94	0.06	1.29
40.00	39.95	0.05	1.30
45.00	44.97	0.03	1.52
50.00	50.00	0.00	1.79
55.00	55.35	-0.35	1.91
60.00	60.04	-0.04	2.35

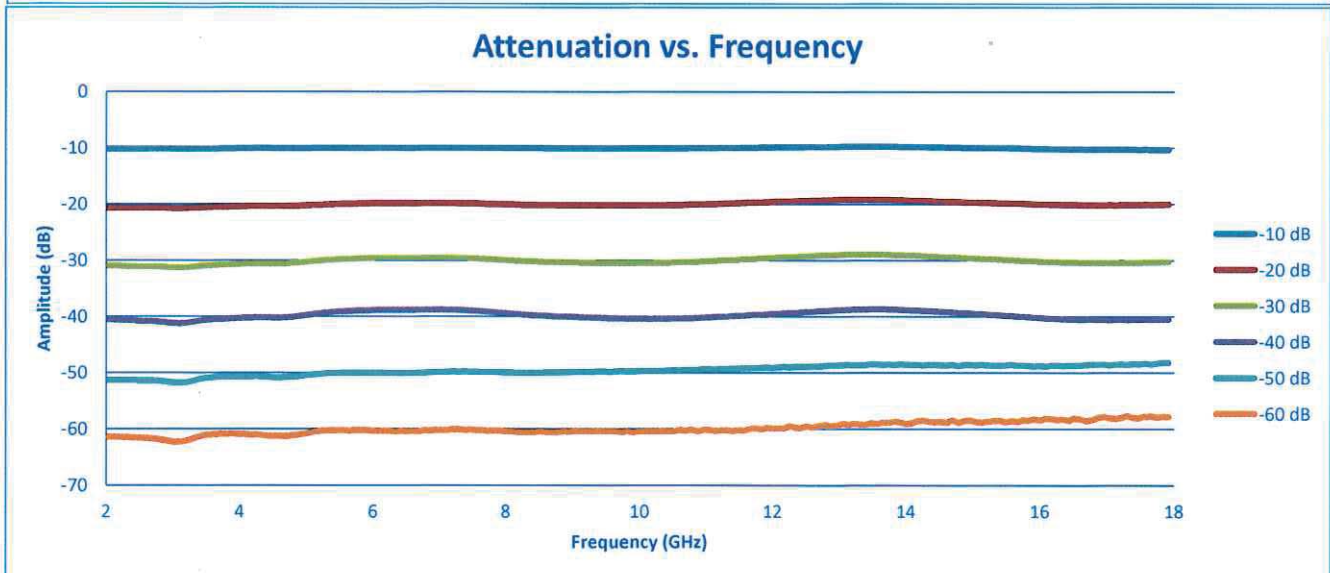
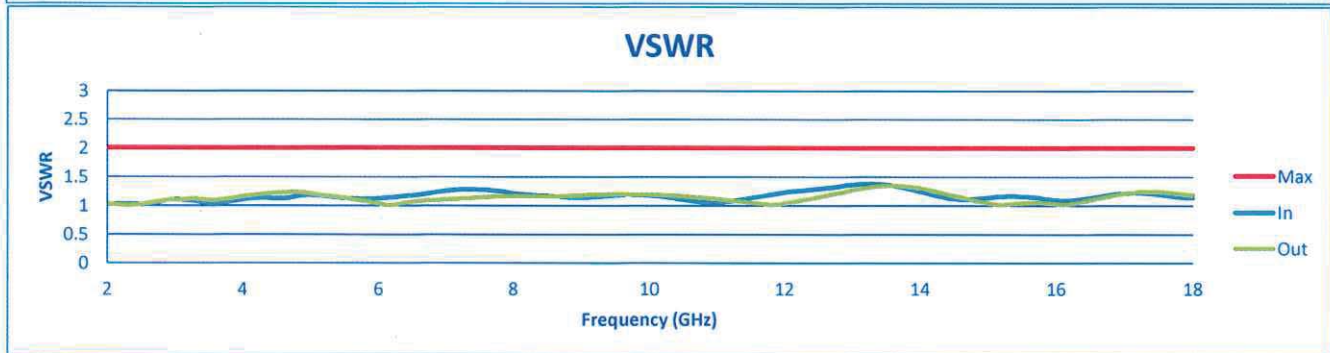
QA/QC Approval:  PMI QA 1

Date: 6/19/18



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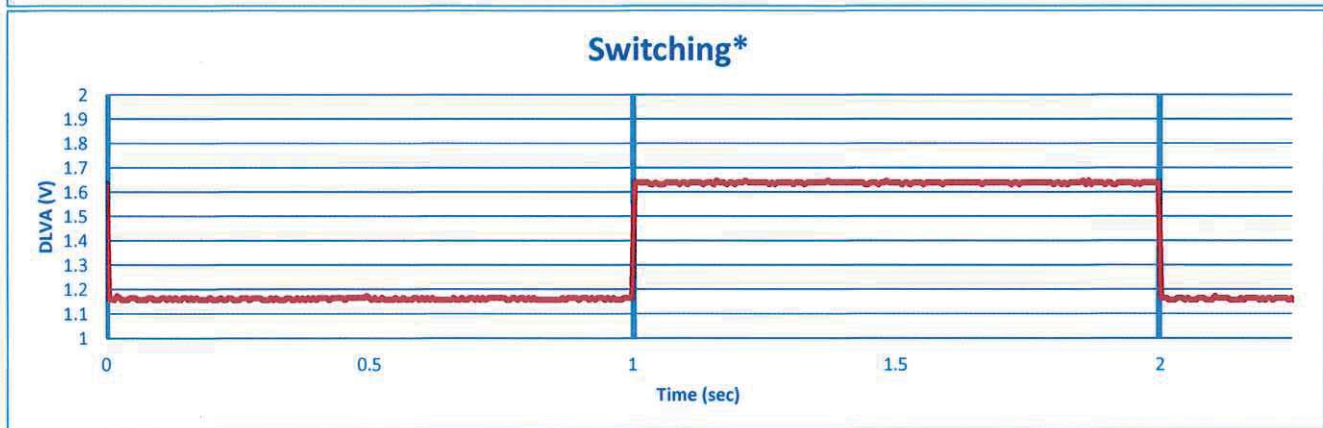
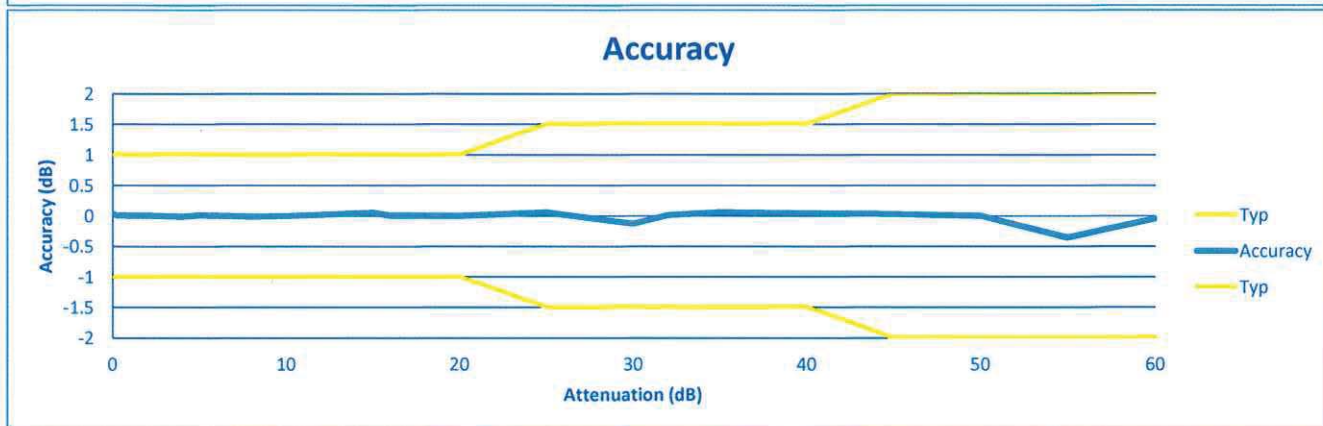
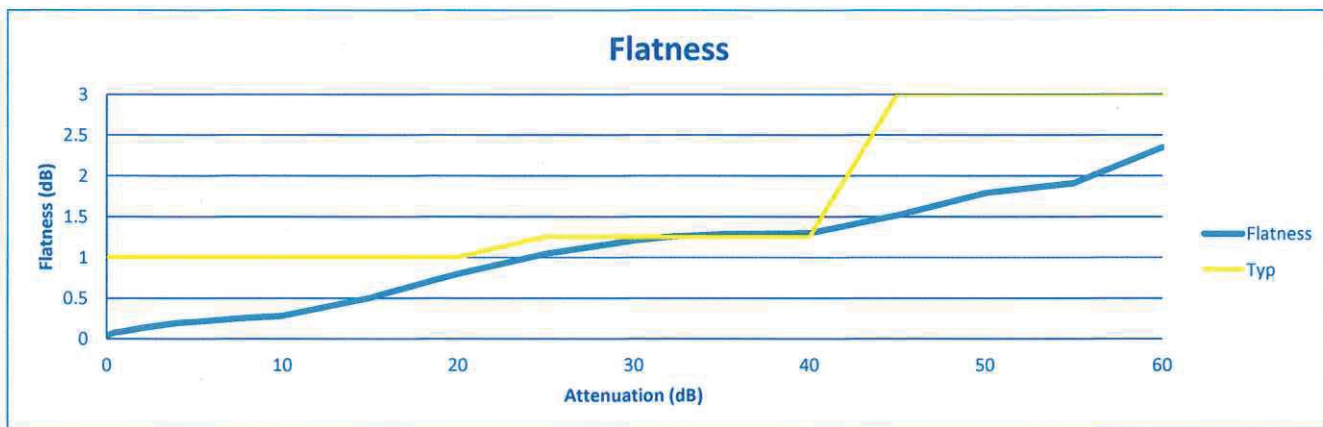
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9 GHz @ -13.4 dBm

Switching from 0 to -20 dB Attenuation

25 mV \approx 1 dB