



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: PL17102/1515

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.	4.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.9:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.74 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.99 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	2.03 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.13 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.18 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.21 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	0.06	0.00	0.02
0.125	0.13	0.00	0.04
0.25	0.25	0.00	0.07
0.50	0.51	-0.01	0.10
1.00	1.01	-0.01	0.11
2.00	1.97	0.03	0.16
4.00	3.98	0.02	0.23
8.00	7.96	0.04	0.40
16.00	15.90	0.13	0.65
32.00	31.87	0.13	0.93
62.00	61.77	0.23	2.01
63.94	63.71	0.23	2.72

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.89	0.11	0.27
10.00	9.94	0.06	0.47
15.00	14.87	0.13	0.63
20.00	19.88	0.12	0.74
25.00	24.82	0.18	0.82
30.00	29.86	0.14	0.90
35.00	34.89	0.11	0.94
40.00	40.00	0.00	0.99
45.00	44.84	0.16	0.97
50.00	49.92	0.08	1.01
55.00	54.79	0.21	1.37
60.00	59.98	0.02	2.03

QA/QC Approval: *[Signature]*

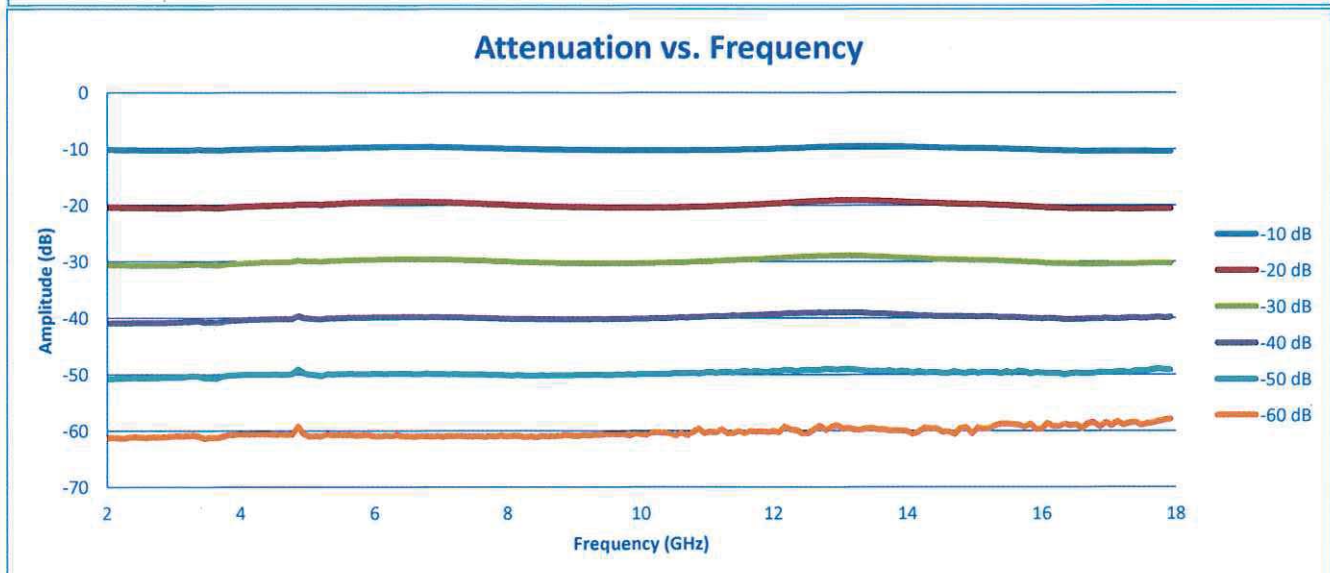
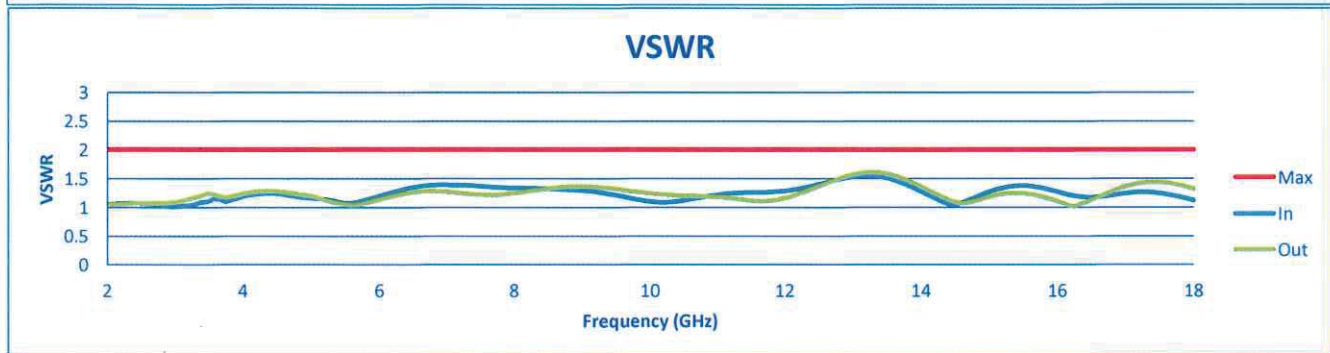
PMI  
QA 1

Date: 6/19/18



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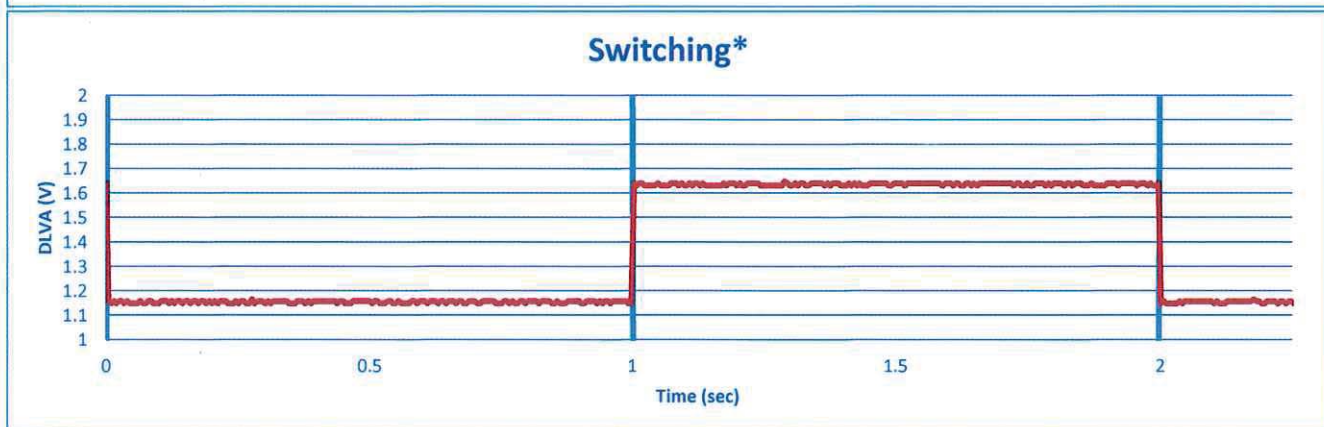
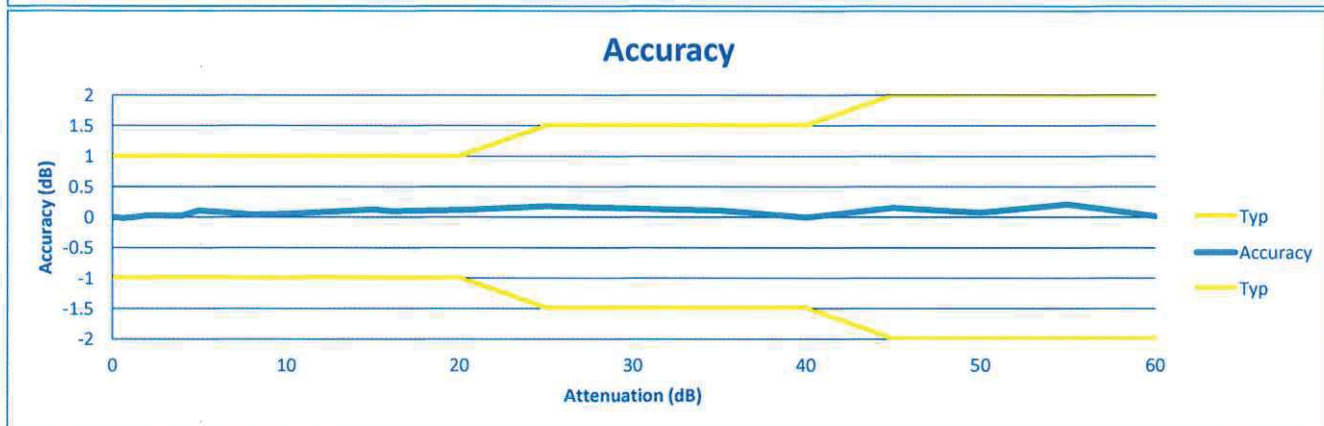
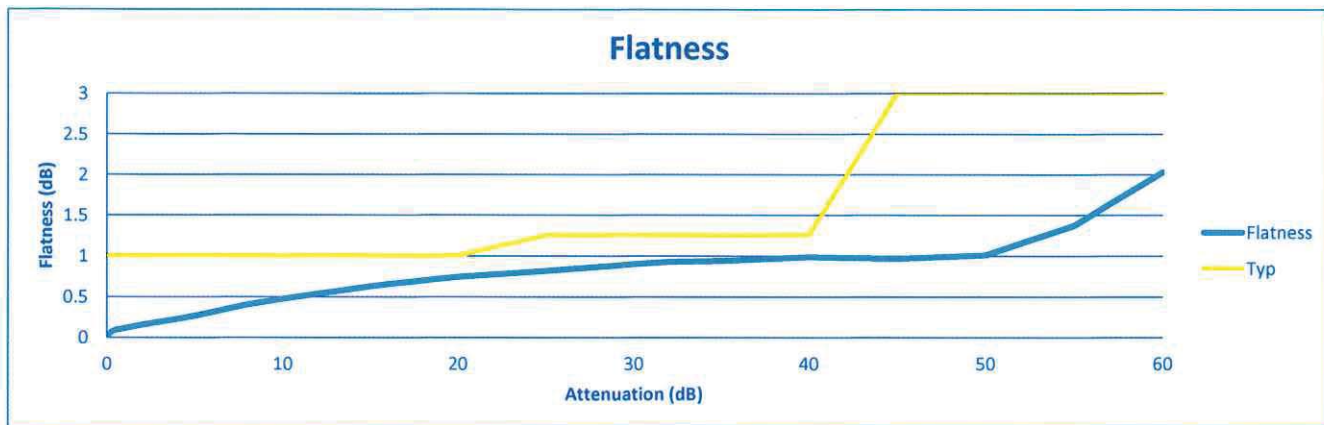
PL17102/1515





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9 GHz @ -13.4 dBm

Switching from 0 to -20 dB Attenuation

25 mV  $\approx$  1 dB