

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

Customer: \_\_\_\_\_  
 SOno: \_\_\_\_\_  
 Model No: DTA-0R5G18G-60-CD-1  
 Serial No: 13381  
 Part No: \_\_\_\_\_

Tested By: K. Mansfield  
 Date: 11/23/2021  
 Drawing No: 27617783 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC	
1	Frequency Range:	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA 2	
2	Insertion Loss:	4.8 dB Max.	3.7 dB See Plot		
3	VSWR:	2.0:1 Max.	1.86:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	0.55 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	0.76 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.37 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.42 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.88 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.51 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 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
0.0625	0.06	0.00	0.01
0.125	0.13	0.00	0.01
0.25	0.26	-0.01	0.02
0.50	0.51	-0.01	0.04
1.00	1.02	-0.02	0.08
2.00	2.04	-0.04	0.14
4.00	4.08	-0.08	0.25
8.00	8.11	-0.11	0.34
16.00	16.33	-0.75	0.39
32.00	32.75	-0.75	0.76
62.00	63.53	-1.53	1.67
63.94	65.52	-1.58	1.99

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness
dB	dB	dB	dB
5.00	5.07	-0.07	0.29
10.00	10.15	-0.15	0.34
15.00	15.25	-0.25	0.38
20.00	20.42	-0.42	0.55
25.00	25.51	-0.51	0.69
30.00	30.69	-0.69	0.75
35.00	35.75	-0.75	0.73
40.00	40.88	-0.88	0.65
45.00	45.90	-0.90	0.60
50.00	51.01	-1.01	0.64
55.00	56.16	-1.16	0.79
60.00	61.51	-1.51	1.37

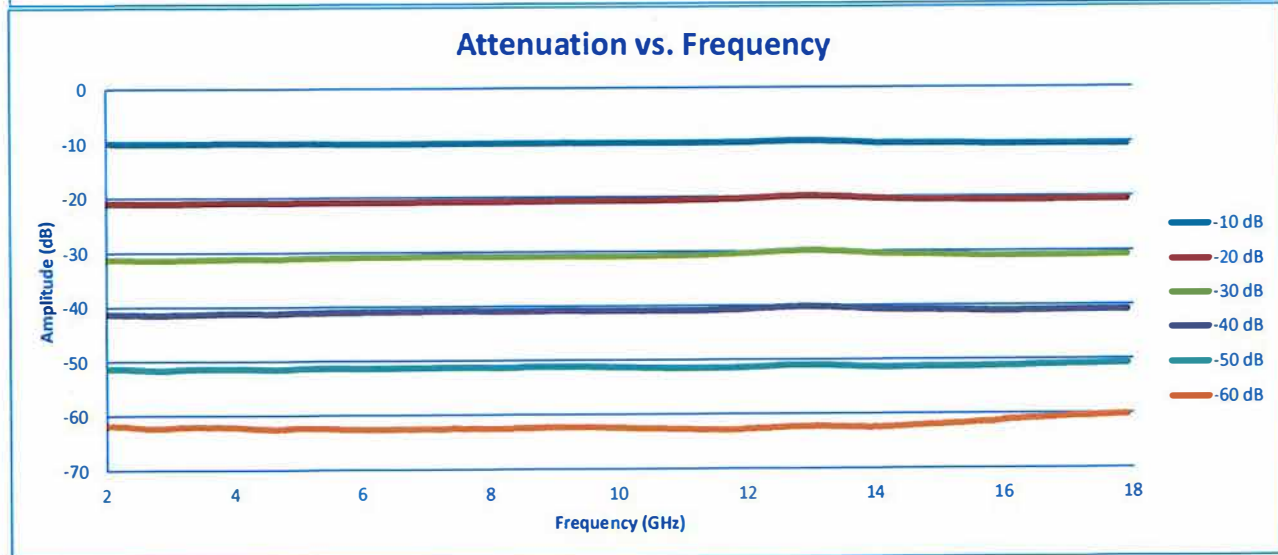
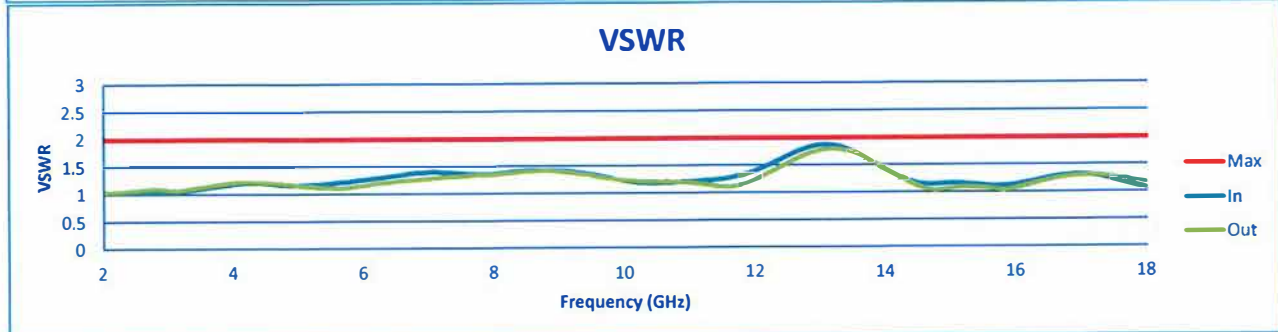
QA/QC Approval: 

PMI  
QA 2

Date: 11/24/2021

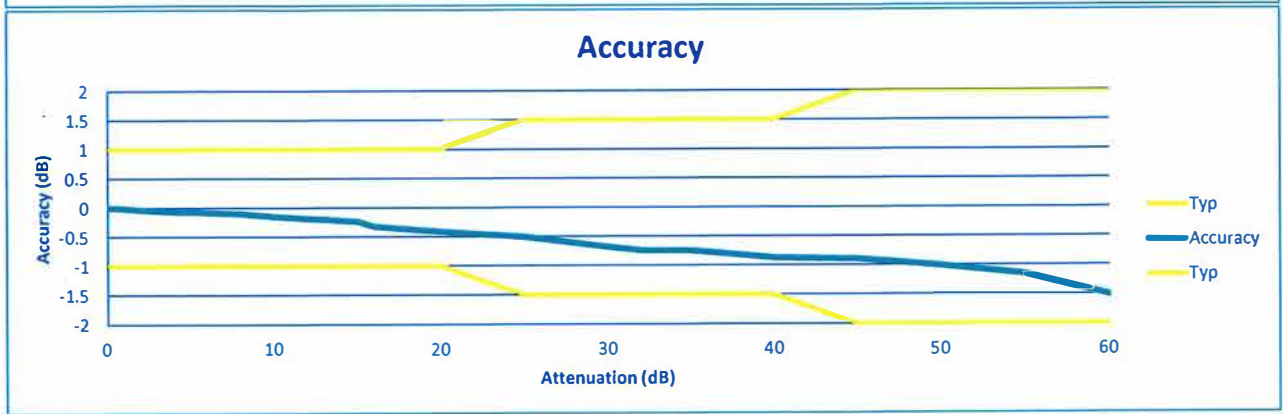
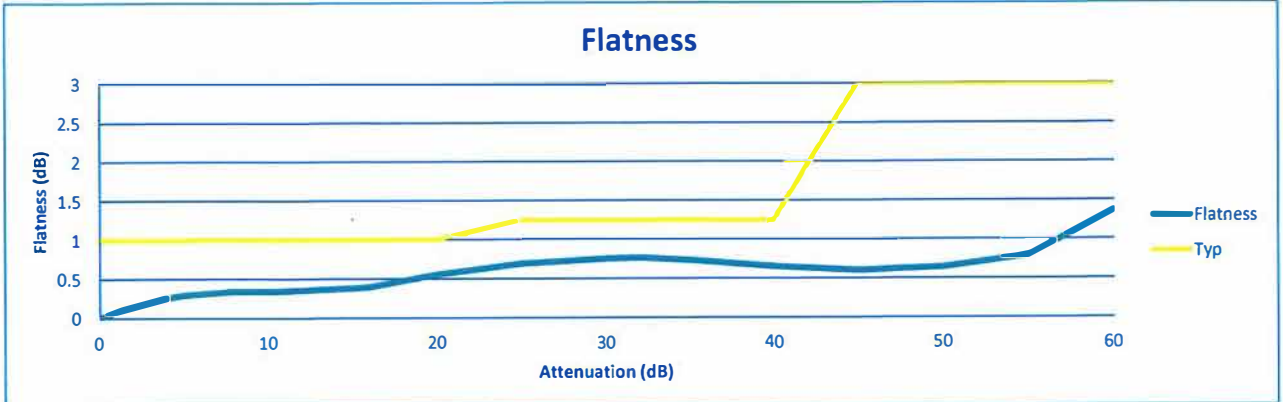
# SUMMARY TEST DATA ON DTA-0R5G18G-60-CD-1

13381



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ON  
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