



**Summary Test Data
On
DTA-200M18G-100-CD-EXT**

Customer: EDCS, LLC, VA
 Job No: 20190278-R
 Model No: DTA-200M18G-100-CD-EXT
 Serial No: PL26403/1935

Tested By: RCombs
 Date: Tuesday, August 27, 2019
 Temperature: +55° C
 Drawing No: 27635200 Rev: A1

Test Item No:	Parameters	Specified Value	Measured Value	QA QC	
1	Frequency Range:	200 MHz to 18 GHz	200 MHz to 18 GHz	PMI QA1	
2	Insertion Loss:	12 dB Max.	11.8 dB See Plot		
3	VSWR:	2.3:1 Max.	IN: 2.2:1 OUT: 2.2:1 See Plot		
4	Flatness to 20 dB:	±1.0 dB Typ.	±0.44 dB See Plot		
5	Flatness to 40 dB:	±1.25 dB Typ.	±0.83 dB See Plot		
6	Flatness to 60 dB:	±1.5 dB Typ.	±0.97 dB See Plot		
7	Flatness to 80 dB:	±2.0 dB Typ.	±0.98 dB See Plot		
9	Accuracy of Attenuation: 0 to 20 dB	±1.0 dB Typ.	±0.21 dB See Plot		
10	Accuracy of Attenuation: 20 to 40 dB	±1.25 dB Typ.	±0.53 dB See Plot		
11	Accuracy of Attenuation: 40 to 60 dB	±1.5 dB Typ.	±0.73 dB See Plot		
12	Accuracy of Attenuation: 60 to 80 dB	±2.0 dB Typ.	±0.89 dB See Plot		
13	Accuracy of Attenuation: 80 to 100 dB	±3.0 dB Typ.	±0.92 dB See Plot		
14	Switching Speed:	ON: 1.0 µs Max. OFF: 0.5 µs Max.	ON: <0.704 µs OFF: <0.140 µs		
15	DC Supply:	+8 VDC @ 700 mA	637 mA		PMI QA1

Programmed Attenuation	Measured Average	Accuracy	Flatness (±)
0.5	0.51	0.01	0.02
1	1.00	0.00	0.05
2	2.03	0.03	0.09
4	4.01	0.01	0.15
8	7.93	-0.07	0.29
16	15.90	-0.10	0.44
32	31.59	-0.41	0.61
64	63.20	-0.80	0.98
100	100.11	0.11	1.89

Programmed Attenuation	Measured Average	Accuracy	Flatness (±)
10	9.79	-0.21	0.35
20	19.79	-0.21	0.40
30	29.47	-0.53	0.57
40	39.69	-0.31	0.83
50	49.48	-0.52	0.92
60	59.27	-0.73	0.97
70	69.11	-0.89	0.97
80	79.18	-0.82	0.97
90	89.08	-0.92	1.07

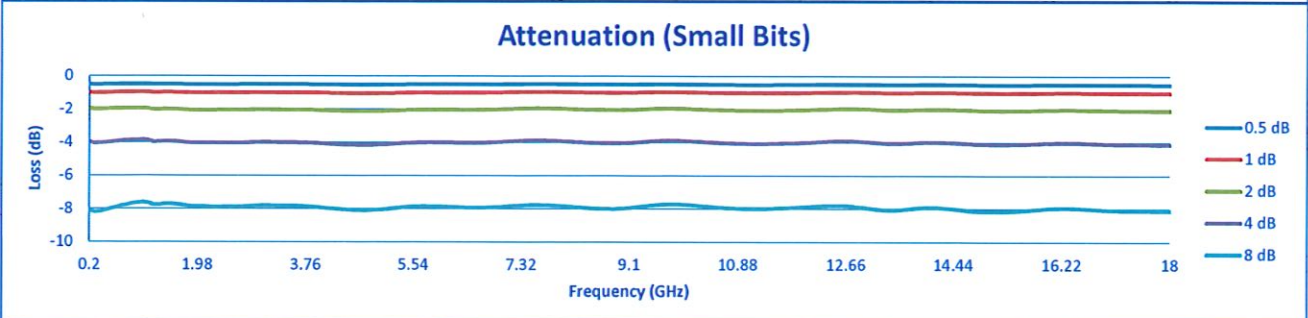
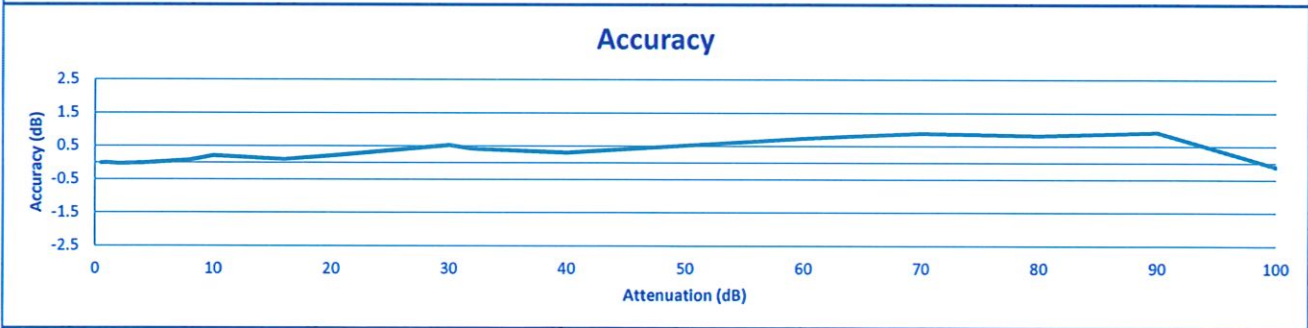
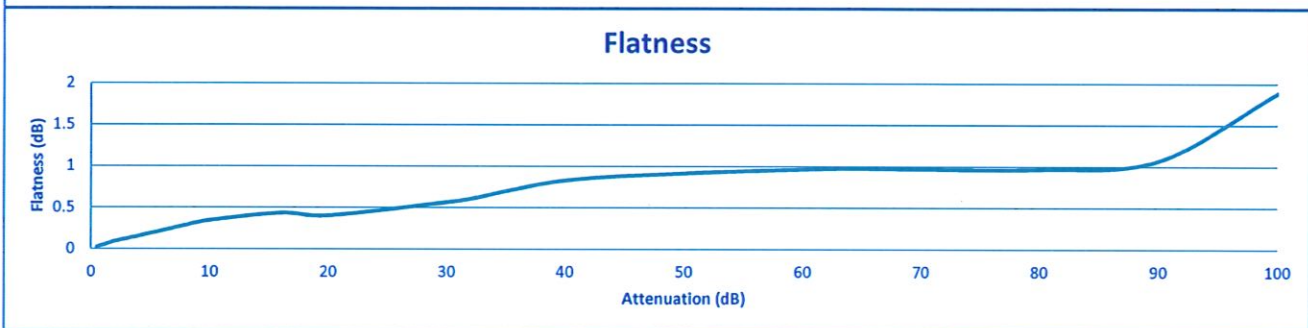
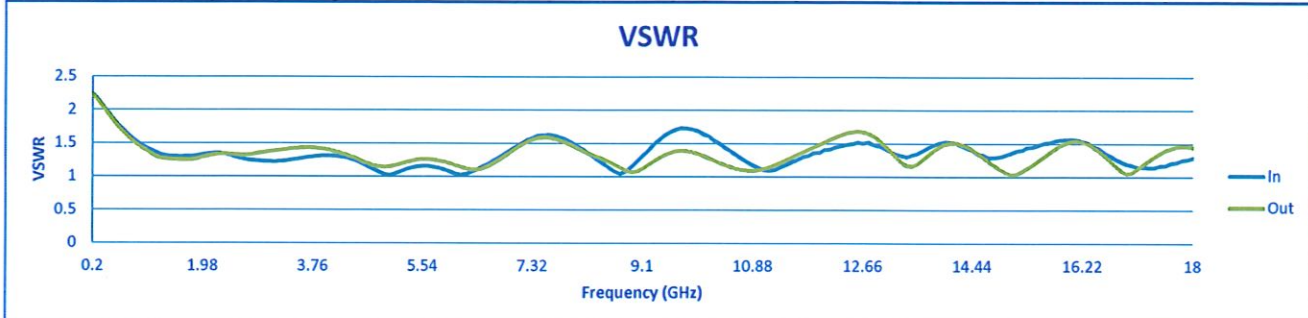
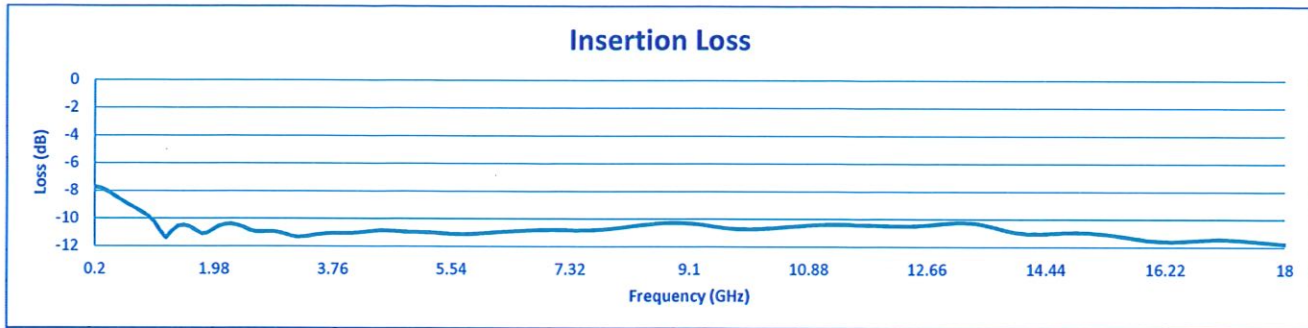
QA/QC Approval:  PMI
QA1

Date: 9/6/19



Summary Test Data On DTA-200M18G-100-CD-1

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