Typical Characteristics For DTA-0R5G4G-60-CD-1

May 25 2011
Designed by: Paul Kuhn
Reported by: Kevin Mansfield

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
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SUMMARY TEST DATA
ON
DTA-0R5G4G-60-CD-1

Customer: _____
Job No: SO10-094-0
Model No: DTA-0R5G4G-60-CD-1
Serial No: PL9026

Tested By: K. Mansfield
Date: Wednesday, May 25, 2011
Time: 3:20 PM

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC
1	Frequency Range:	0.5 GHz – 4 GHz	0.5 GHz – 4 GHz	
2	Insertion Loss:	2.7 dB Max.	2.3 dB	
3	VSWR:	1.8:1 Max.	1.7 :1	
4	Flatness up to 20dB:	± 0.5 dB Typ.	0.33 dB	
5	Flatness up to 40dB:	± 0.75 dB Typ.	0.33 dB	
6	Flatness up to 60dB:	± 1.0 dB Typ.	0.57 dB	
7	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.47 dB	
8	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	1.22 dB	
9	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	1.22 dB	
10	Switching Speed:	ON: 1.0 uSEC MAX	0.75 uSEC	
		OFF: 0.5 uSEC MAX	0.26 uSEC	
11	DC Supply:	+15VDC @ 100 mA	+15 VDC @ 67 mA	
		-15VDC @ 80 mA	-15 VDC @ 48 mA	

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.06	0.00	0.06	0.00
0.13	0.04	0.08	0.00
0.25	0.09	0.16	0.01
0.50	0.20	0.30	0.01
1.00	0.58	0.42	0.04
2.00	1.57	0.43	0.10
4.00	3.70	0.30	0.17
8.00	7.53	0.47	0.23
16.00	15.64	0.36	0.32
32.00	32.72	-0.72	0.23
62.00	61.29	0.71	0.54
63.94	62.69	1.25	0.57

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.66	0.34	0.18
10.00	9.53	0.47	0.26
15.00	14.62	0.38	0.32
20.00	19.75	0.25	0.33
25.00	25.06	-0.06	0.31
30.00	30.52	-0.52	0.26
35.00	35.97	-0.97	0.19
40.00	41.22	-1.22	0.16
45.00	46.15	-1.15	0.29
50.00	50.61	-0.61	0.42
55.00	55.29	-0.29	0.49
60.00	59.71	0.29	0.57

Production Manager Approval: _____ Date: _____

QA/QC Approval: _____ Date: _____

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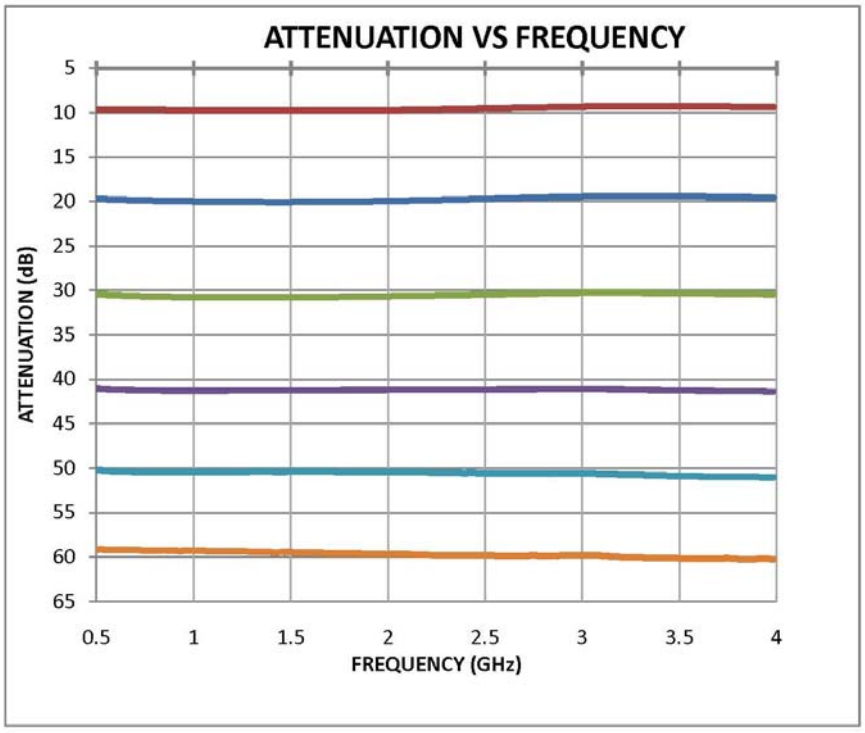
ATTENUATION PLOT
ON
DTA-0R5G4G-60-CD-1



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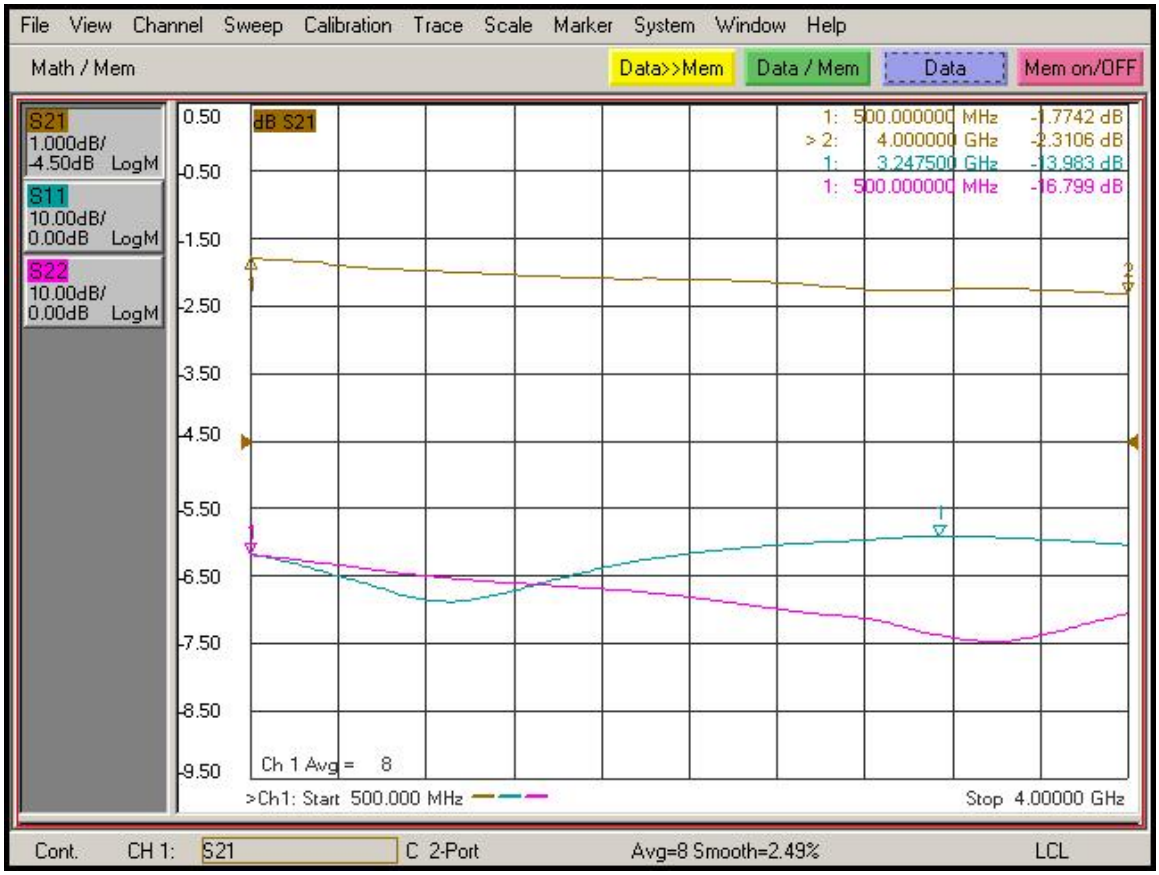
Insertion Loss and VSWR



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60dB Attenuation

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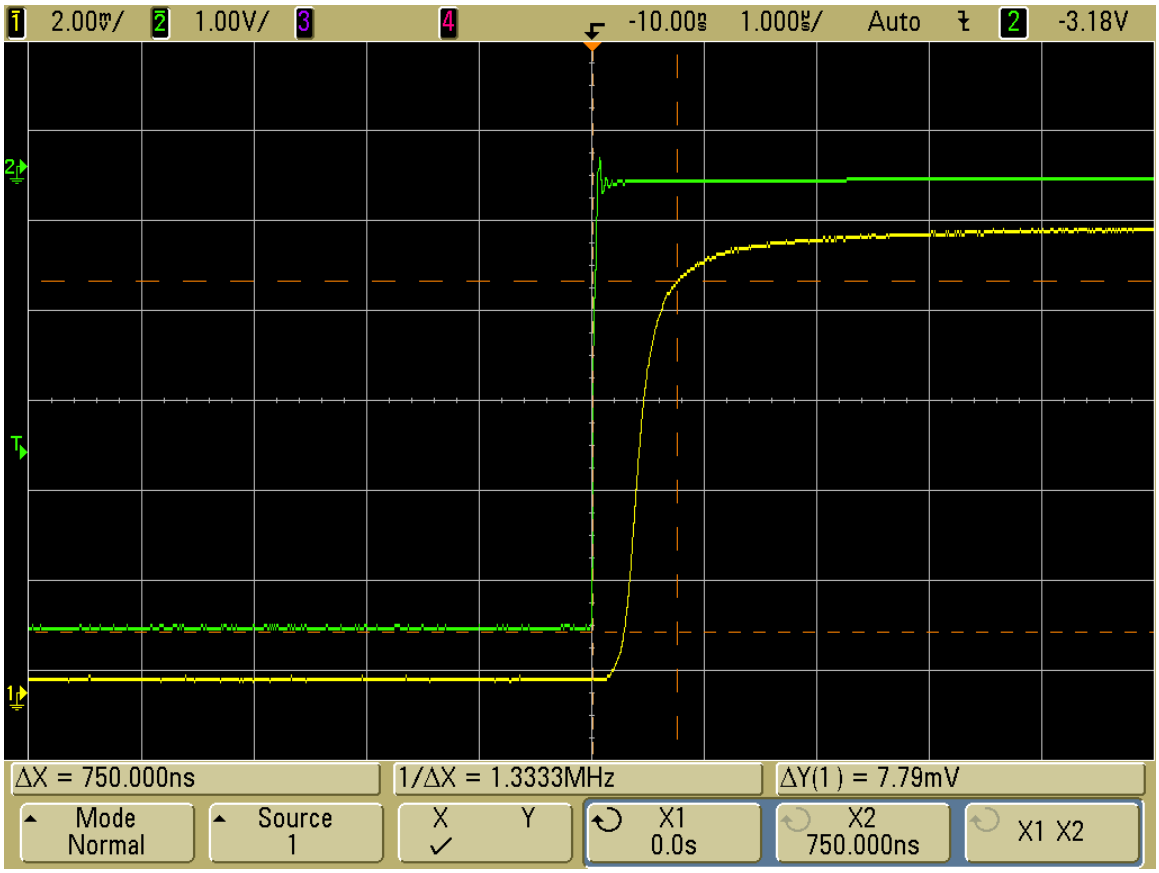
Delay On Time



Channel 1 (Yellow): RF output

Channel 2 (Green): TTL Input from Signal Generator

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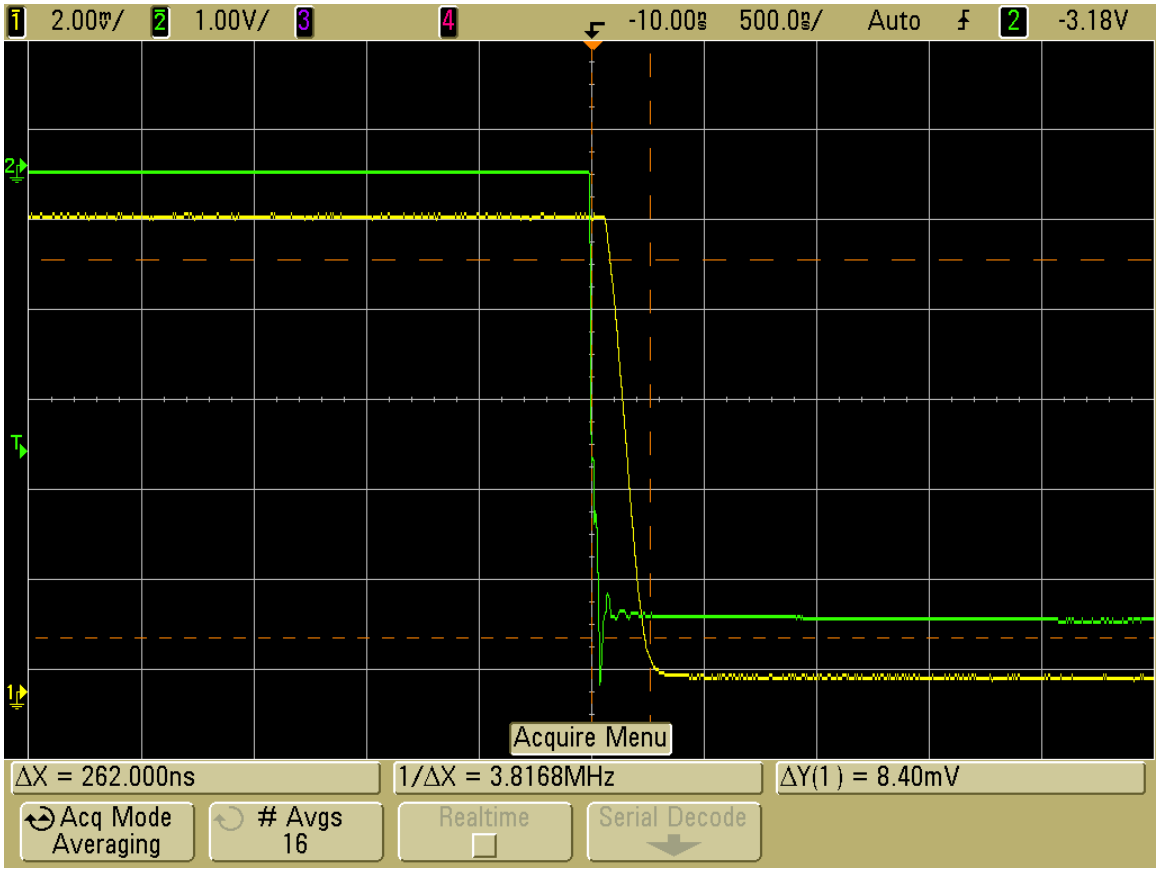
Delay Off Time



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