

FORM: 927-SW-DTA
 DATE: October 24, 2007



AMERICAN MICROWAVE CORPORATION
 7311-G GROVE RD., FREDERICK MD 21704
 TEL: 301-662-4700 FAX: 301-662-4938
 URL: WWW.AMERICANMICROWAVECORP.COM
 E-MAIL: SALES@AMERICANMICROWAVECORP.COM
 ISO 9001:2000 CERTIFIED

**FINAL TEST DATA
 ON
 MICROWAVE SWITCH**

CUSTOMER: <u>COLORADO STATE UNIV.</u>	TECHNICIAN: <u>C. C.</u>
JOB NO: <u>708155DPP-1</u>	OPTION NO: _____
MODEL NO: <u>SWN-2183-1AT</u>	SPECIFICATION: <u>MIL-STD 454</u>
SERIAL NO: <u>1MS710562</u>	FREQUENCY RANGE: <u>0.3 – 18.0 GHz</u>
CURRENT DRAW: <u>+ 5 VDC @ 66mA; - 5 VDC @ 42mA</u>	CONTROL VERIFIED: <u>"0" ON ; "1" OFF</u>

INSERTION LOSS (WORST CASE)				RETURN LOSS (WORST CASE)					
				INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J1-J2	0.82dB @	0.3-2.0	GHz	27.53dB	1.09 : 1	27.61dB	1.09 : 1	31.32dB	1.06 : 1
J1-J2	1.24dB @	2.0-8.0	GHz	13.16dB	1.56 : 1	13.44dB	1.54 : 1	24.97dB	1.12 : 1
J1-J2	1.57dB @	8.0-12.4	GHz	13.15dB	1.57 : 1	13.09dB	1.56 : 1	18.56dB	1.27 : 1
J1-J2	1.90dB @	12.4-18.0	GHz	14.07dB	1.49 : 1	13.32dB	1.55 : 1	12.13dB	1.66 : 1
ISOLATION				SWITCHING SPEED					
				DELAY ON	RISE TIME	DELAY OFF	FALLTIME		
J1-J2	57.09dB @	0.3-1.0	GHz	50nS	8nS	30nS	6nS		
J1-J2	85.52dB @	1.0-12.4	GHz	50nS	8nS	30nS	6nS		
J1-J2	86.53dB @	12.4-18.0	GHz	50nS	8nS	30nS	6nS		

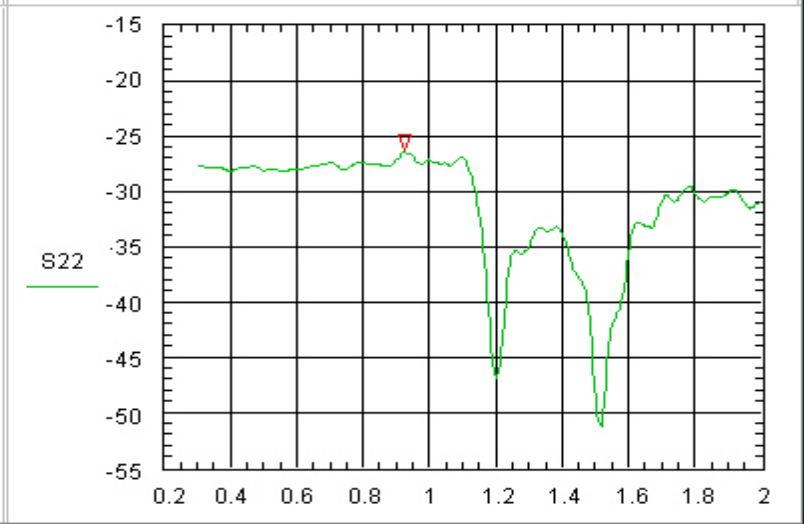
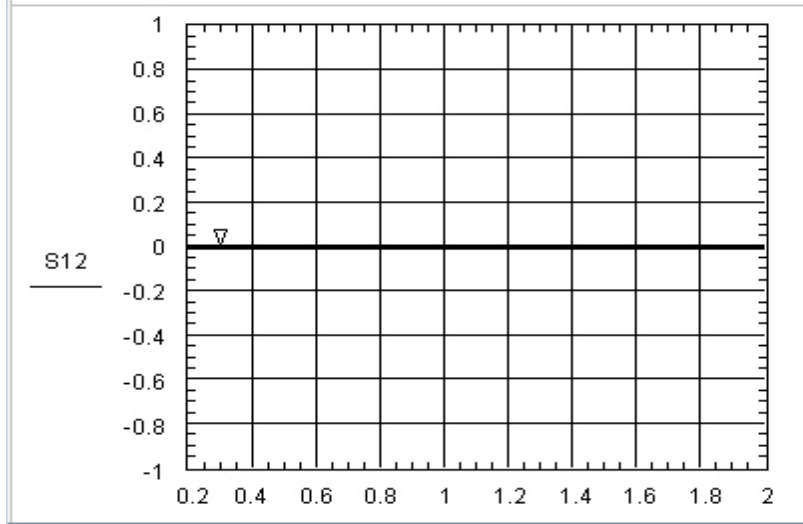
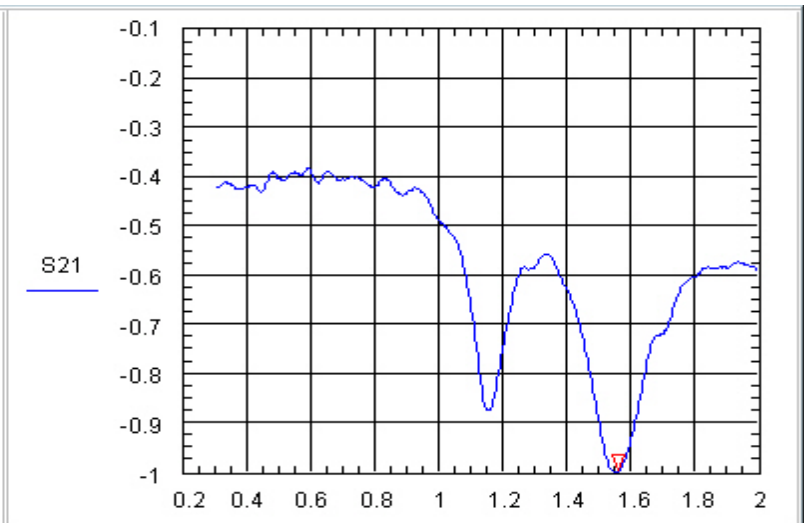
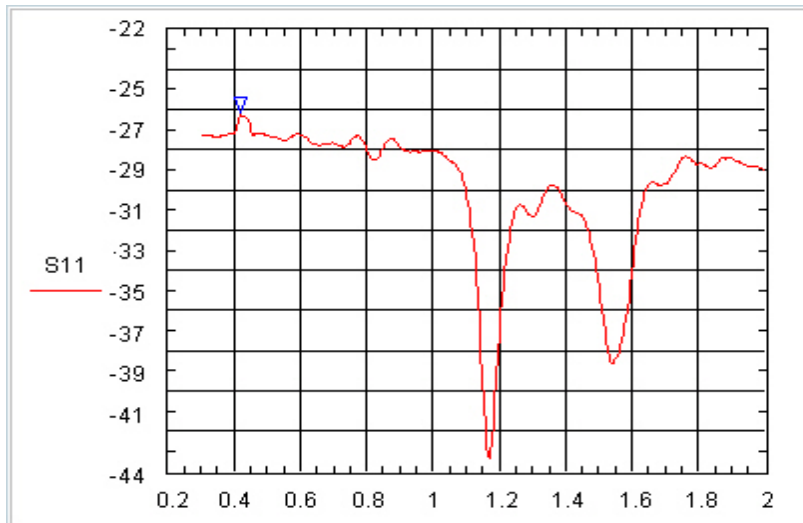
NOTE: Any additional test data on back

TESTED ON: HEWLETT PACKARD, 8722ES, US39175265, 7.70
 QA/QC APPROVAL: _____ Q4 DATED: 10/25/07

Job Number: **708155DPP-1**
Model Number: **SWN-2183-1AT**
Serial Number: **1MS710562**
Plot: **J1-J2**
Switch Mode: **ON**
Tester: **C. CHADWICK**
Date: **January 29, 2008**



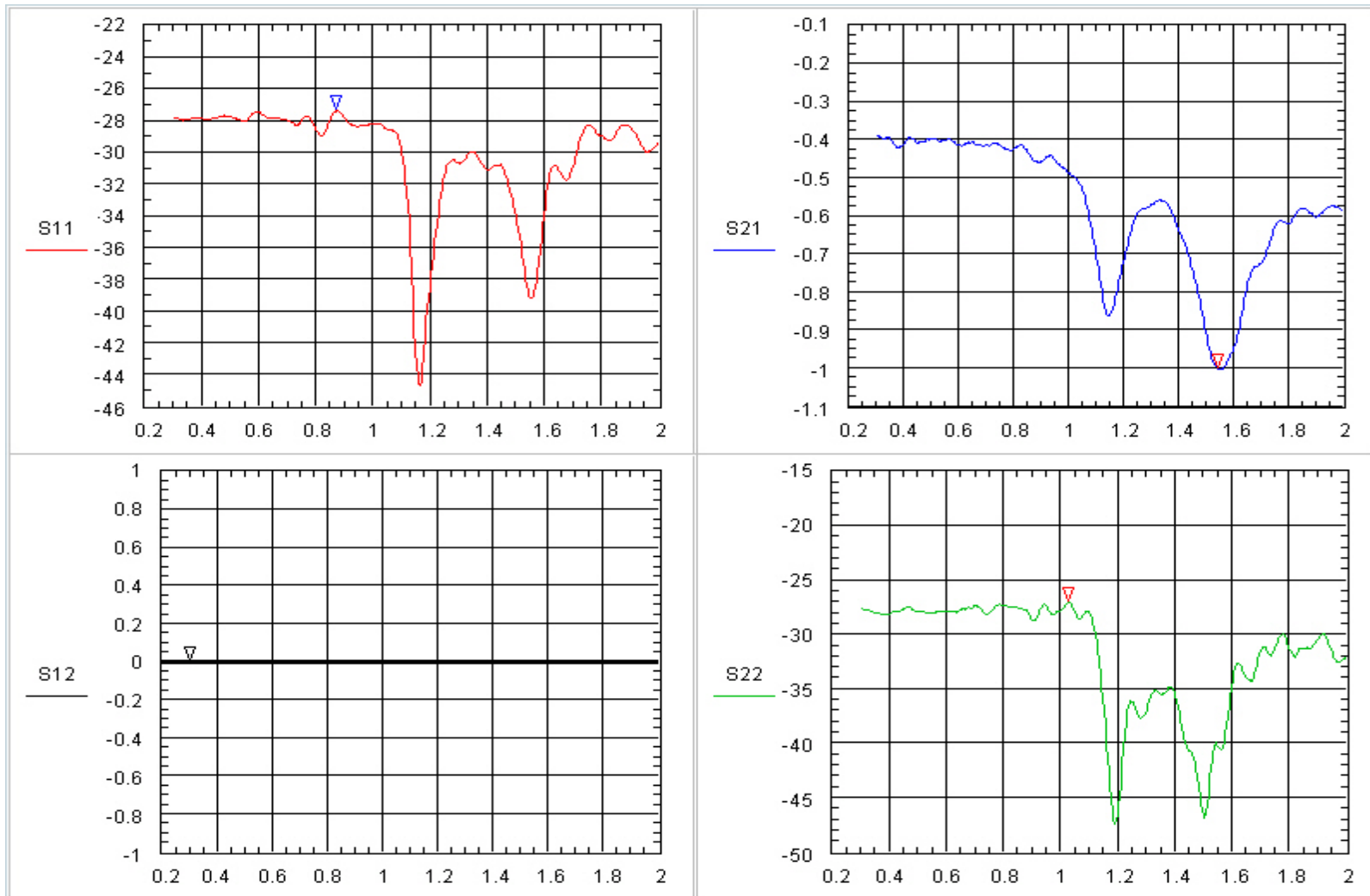
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Job Number: **708155DPP-1**
Model Number: **SWN-2183-1AT**
Serial Number: **1MS710562**
Plot: **J1-J2**
Switch Mode: **OFF**
Tester: **C. CHADWICK**
Date: **January 29, 2008**



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