Report of Calibration

<Your Company Name Goes Here>
<report substitution mt_user1>
<report substitution mt_user2>

UNIT UNDER TEST:	Various Units Under Test	TEST RESULT:	PASS
SERIAL NUMBER:	Various	PERFORMED ON:	06 April 2006
ASSET NUMBER:	UUT	DATA TYPE:	FOUND-LEFT
PROCEDURE NAME:	Rohde & Schwarz FSH3: (1 yr) CAL VER /9640	TEMPERATURE:	23.00 °C
PROCEDURE REV.:	$Revision: $	HUMIDITY:	40 %
CALIBRATED BY:	User Fluke5		
P.O. NUMBER:			
CUSTOMER:			

<Your Company Name Goes Here> certifies that the above listed instrument meets or exceeds all specifications as stated in the referenced procedure unless otherwise noted). It has been calibrated using measurement standards traceable to the National Institute of Standards and Technology (NIST), or to NIST accepted intrinsic standards of measurement, or derived by the ratio type of self-calibration techniques. This calibration complies with MIL-STD-45662A and ANSI/NCSL Z540.1-1999 (R2002).

Note: Any Test Uncertainty Ratio (TUR) that is less than four to one will appear under the "TUR" heading on the data record. If the TUR meets or exceeds four to one, the field is left blank.

REMARKS: Test Time: 17 min.

Standards Used

Asset #	Description	Cal Date	Due Date
Sample-Fluke 9640A	Fluke 9640A RF Reference Source	1/16/2006	1/16/2007
Sample-Fluke 9640A-50	Fluke 9640A-50 Leveling Head	3/23/2006	3/23/2007

Test Results

Test Description	True Value	Test Result	Lower limit	Upper limit	Units		TUR
INSTALLED INSTRUMENT FIRMWARE							
Firmware Version: V10.00							
FREQUENCY ACCURACY							
1.0000000 GHz		0.9999996	0.9999990	1.0000010	GHz	Pass	0.00
LEVEL ACCURACY							
0.00 dBm		0.32	-0.50	0.50	dBm	Pass	
FREQUENCY RESPONSE							
Reference Level: +20 dBm							
10 MHz		-0.07	-1.00	1.00	dBm	Pass	0.00
500 MHz		-0.35	-1.00	1.00	dBm	Pass	0.00
1000 MHz		0.35	-1.00	1.00	dBm	Pass	0.00
1500 MHz		0.24	-1.00	1.00	dBm	Pass	0.00

Test Results

Test Description	True Value	Test Result	Lower limit	Upper limit	Units		TUR
2000 MHz		0.39	-1.00	1.00	dBm	Pass	0.00
2500 MHz		0.31	-1.00	1.00	dBm	Pass	0.00
2990 MHz		0.75	-1.00	1.00	dBm	Pass	0.00
Reference Level: +10 dBm							
10 MHz		-0.03	-1.00	1.00	dBm	Pass	0.00
500 MHz		-0.34	-1.00	1.00	dBm	Pass	0.00
1000 MHz		0.38	-1.00	1.00	dBm	Pass	0.00
1500 MHz		0.30	-1.00	1.00	dBm	Pass	0.00
2000 MHz		0.42	-1.00	1.00	dBm	Pass	0.00
2500 MHz		0.39	-1.00	1.00	dBm	Pass	0.00
2990 MHz		0.77	-1.00	1.00	dBm	Pass	0.00
Reference Level: 0 dBm							
10 MHz		0.00	-1.00	1.00	dBm	Pass	0.00
500 MHz		-0.42	-1.00	1.00	dBm	Pass	0.00
1000 MHz		0.34	-1.00	1.00	dBm	Pass	0.00
1500 MHz		0.26	-1.00	1.00	dBm	Pass	0.00
2000 MHz		0.38	-1.00	1.00	dBm	Pass	0.00
2500 MHz		0.34	-1.00	1.00	dBm	Pass	0.00
2990 MHz		0.79	-1.00	1.00	dBm	Pass	0.00
Reference Level: -10 dBm							
10 MHz		-0.08	-1.00	1.00	dBm	Pass	0.00
500 MHz		-0.33	-1.00	1.00	dBm	Pass	0.00
1000 MHz		0.37	-1.00	1.00	dBm	Pass	0.00
1500 MHz		0.26	-1.00	1.00	dBm	Pass	0.00
2000 MHz		0.46	-1.00	1.00	dBm	Pass	0.00
2500 MHz		0.36	-1.00	1.00	dBm	Pass	0.00
2990 MHz		0.86	-1.00	1.00	dBm	Pass	0.00
Preamplifier On							
Reference Level: -15 dBm							
10 MHz		-0.15	-1.00	1.00	dBm	Pass	0.00
500 MHz		-0.31	-1.00	1.00	dBm	Pass	0.00
1000 MHz		0.42	-1.00	1.00	dBm	Pass	0.00
1500 MHz		0.25	-1.00	1.00	dBm	Pass	0.00
2000 MHz		0.32	-1.00	1.00	dBm	Pass	0.00
2500 MHz		0.39	-1.00	1.00	dBm	Pass	0.00
2990 MHz		0.73	-1.00	1.00	dBm	Pass	0.00
Reference Level: -25 dBm							
10 MHz		-0.16	-1.00	1.00	dBm	Pass	0.00
500 MHz		-0.28	-1.00	1.00	dBm	Pass	0.00
1000 MHz		0.43	-1.00	1.00	dBm	Pass	0.00
1500 MHz		0.26	-1.00	1.00	dBm	Pass	0.00
2000 MHz		0.40	-1.00	1.00	dBm	Pass	0.00
2500 MHz		0.46	-1.00	1.00	dBm	Pass	0.00
2990 MHz		0.82	-1.00	1.00	dBm	Pass	0.00
(RF) ATTENUATOR ACCURACY							
(Relative to 10 dB RF Attenuation)							
0 dB		-0.07	-0.50	0.50	dB	Pass	
20 dB		-0.01	-0.50	0.50	dB	Pass	
30 dB		0.02	-0.50	0.50	dB	Pass	
Preamplifier On							
0 dB		0.05	-0.50	0.50	dB	Pass	
IF GAIN ACCURACY							
(Relative to -10 dBm Reference)							

Test Results

Test Description	True Value	Test Result	Lower limit	Upper limit	Units		TUR
-15 dBm		0.40	-0.50	0.50	dB	Pass	
-20 dBm		0.21	-0.50	0.50	dB	Pass	
-25 dBm		0.34	-0.50	0.50	dB	Pass	
DISPLAYED AVERAGE NOISE FLOOR							
Center Frequency (Specification: <= -105 dBm)							
9.9 MHz, Actual: -111.97 dBm						Pass	
101 MHz, Actual: -113.07 dBm						Pass	
501 MHz, Actual: -113.21 dBm						Pass	
1001 MHz, Actual: -114.33 dBm						Pass	
1501 MHz, Actual: -115.05 dBm						Pass	
2001 MHz, Actual: -111.8 dBm						Pass	
2501 MHz, Actual: -112.53 dBm						Pass	
2999 MHz, Actual: -108.47 dBm						Pass	
PHASE NOISE (at 500 MHz)							
30 kHz Offset		-89.9	-130.0	-85.0	dBc	Pass	
100 kHz Offset		-102.4	-130.0	-100.0	dBc	Pass	
1 MHz Offset		-121.9	-130.0	-120.0	dBc	Pass	
DISPLAY LINEARITY							
-5.00 dB		-4.99	-5.20	-4.80	dB	Pass	4.00
-10.00 dB		-9.99	-10.20	-9.80	dB	Pass	4.00
-15.00 dB		-14.99	-15.20	-14.80	dB	Pass	4.00
-20.00 dB		-20.03	-20.20	-19.80	dB	Pass	4.00
-25.00 dB		-25.01	-25.20	-24.80	dB	Pass	4.00
-30.00 dB		-30.01	-30.20	-29.80	dB	Pass	4.00
-35.00 dB		-35.01	-35.30	-34.70	dB	Pass	
-40.00 dB		-40.02	-40.30	-39.70	dB	Pass	
-45.00 dB		-44.99	-45.30	-44.70	dB	Pass	
-50.00 dB		-49.98	-50.30	-49.70	dB	Pass	3.00
TRACKING GENERATOR							
-20 dBm Output Level							
Maximum Value: 1.97 dB						Pass	
Minimum Value: -4.83 dB						Pass	
0 dBm Output Level							
Maximum Value: 1.97 dB						Pass	
Minimum Value: -4.72 dB						Pass	

***** End of Certificate *****