

Nemko Test Report: 1L0412RUS1

Applicant: Enfora, Inc.
661 East 18th Street
Plano, TX 75074-5601

**Equipment Under Test:
(E.U.T.)** Portfolio Radio Modem

In Accordance With: **FCC Part 22, Subpart H**
800 MHz Cellular Subscriber Units

Tested By: Nemko Dallas Inc.
802 N. Kealy
Lewisville, TX
75057-3136

Authorized By:



Tom Tidwell, RF Group Manager

Date: 11/2/01

Total Number of Pages: 3939

Table of Contents

Section 1. Summary of Test Results 3

Section 2. General Equipment Specification..... 5

Section 3. RF Power Output..... 8

Section 4. Occupied Bandwidth..... 9

Section 5. Spurious Emissions at Antenna Terminals 13

Section 6. Field Strength of Spurious..... 20

Section 7. Frequency Stability 23

Section 8. Test Equipment List..... 25

ANNEX A - TEST DETAILS 26

ANNEX B - TEST DIAGRAMS 36

Section 1. Summary of Test Results

Manufacturer: Enfora Wireless

Model No.: Portfolio Radio Modem

Serial No.: None

General: **All measurements are traceable to national standards.**

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 22, Subpart H.



New Submission



Production Unit



Class II Permissive Change



Pre-Production Unit

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE.

See " Summary of Test Data".



NVLAP LAB CODE: 100426-0

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Summary Of Test Data

NAME OF TEST	PARA. NO.	SPEC.	RESULT
RF Power Output	2.1046	7W ERP	Complies
Audio Frequency Response	2.1047	6dB/Octave	N/A
Audio Low Pass Filter Response	2.1047	Graph	N/A
Modulation Limiting	2.1047	Graph	N/A
Occupied Bandwidth (Voice & SAT)	2.1049	Mask	N/A
Occupies Bandwidth (WB Data & SAT)	2.1049	Mask	N/A
Occupied Bandwidth (ST)	2.1049	Mask	Complies
Occupied Bandwidth (SAT)	2.1049	Mask	N/A
Occupied Bandwidth (CDPD)	2.1049	Not Specified	N/A
Spurious Emissions at Antenna Terminals	2.1051	-13 dBm	Complies
Field Strength of Spurious Emissions	2.1053	82.3 dB μ V/m	Complies
Frequency Stability	2.1055	2.5 ppm	Complies

Footnotes:

This device does not provide a facility for voice transmission. The only information transmitted is digital packet data.

Section 2. General Equipment Specification

Frequency Range:	824.04 MHz to 848.97 MHz
Tunable Bands:	824.04 MHz to 848.97 MHz
Necessary Bandwidth:	30 kHz
Type of Modulation and Designator:	30K0DXW
Output Impedance:	50 ohms
RF Power Output (rated):	700 mW
Number of Channels:	832
Duty Cycle:	Continuous
Channel Spacing:	30 kHz
Operator Selection of Frequency:	Software Controlled
Power Output Adjustment Capability:	Software Controlled

Description of Modifications For Class II Permissive Change

Not Applicable

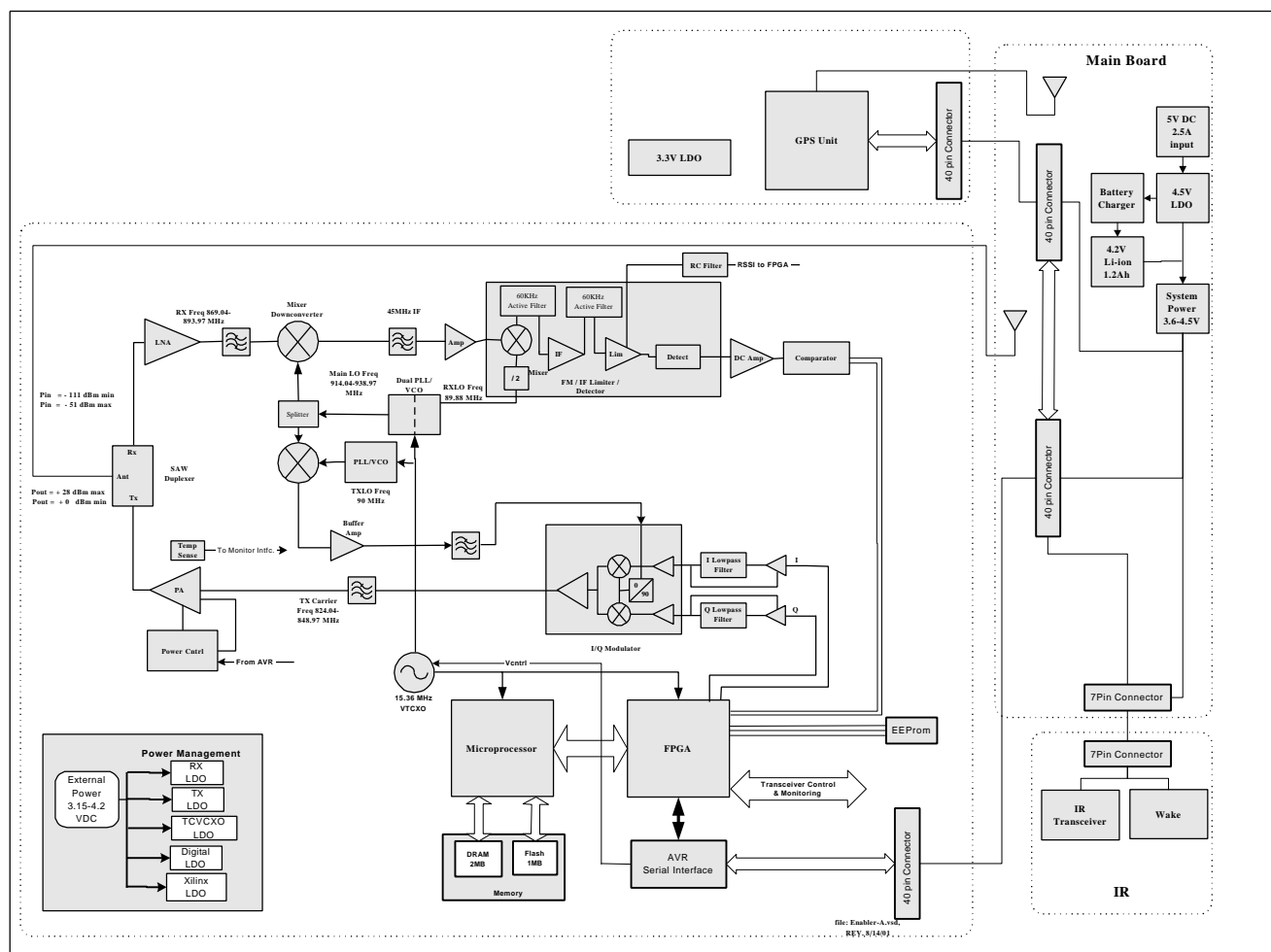
Modifications Made During Testing

Not Applicable

Operational Description

This unit incorporates a CDPD wireless modem and GPS receiver into a small binder type case. It is designed to provide wireless Internet services for PDA devices. It also provides GPS receiver functionality to the PDA as well. It is compatible with a wide range of PDA's, not just the CASIO it was tested with. Communication to the PDA is established through the IR port.

System Diagram



Section 3. RF Power Output

NAME OF TEST: RF Power Output	PARA. NO.: 2.1046
TESTED BY: David Light	DATE: 8/9/2001

Test Results: Complies.

Measurement Data:

Channel	Power at Antenna Terminal (dBm)	Antenna Gain (dBi)	Output Power (EIRP) (dBm)
991	28.5	0	28.5
367	28.0	0	28.0
799	27.6	0	27.6

Note – The device was tested at Nominal voltage (115 Vac), 98 Vac and 132 Vac (+/- 15%) with no change in output power. The AC adapter supplied with the host operates from 100-240 Vac.

Equipment Used: 1029-1030-1474-1082

Measurement Uncertainty: +/- 0.6 dB

Temperature: 22 °C

Relative Humidity: 50 %

Section 4. Occupied Bandwidth

NAME OF TEST: Occupied Bandwidth	PARA. NO.: 2.1047
TESTED BY: David Light	DATE:8/9/2001

Test Results: Complies.

Measurement Data: See attached graph.

Measurement Uncertainty: ± 1.7 dB
 1×10^{-7} ppm

Test Data – Occupied Bandwidth

Nemko Dallas, Inc.

Dallas Headquarters:802 N. Kealy
Lewisville, TX 75057
Tel: (972) 436-9600
Fax: (972) 436-2667**Data Plot**Page 1 of 3

Job No.: 1L0412R

Date: 8/9/01

Specification: Part 22

Temperature(°C): 22

Tested By: David Light

Relative Humidity(%) 50

E.U.T.: Portfolio

Configuration: Transmit full power

Sample Number: S01

Location: Lab 1

RBW: 1 kHz

Detector Type: Peak

VBW: 1 kHz

Measurement

Distance: N/A m

Test Equipment Used

Antenna:

Directional Coupler:

Pre-Amp:

Cable #1: 1082

Filter:

Cable #2:

Receiver: 1036

Cable #3:

Attenuator #1: 1474

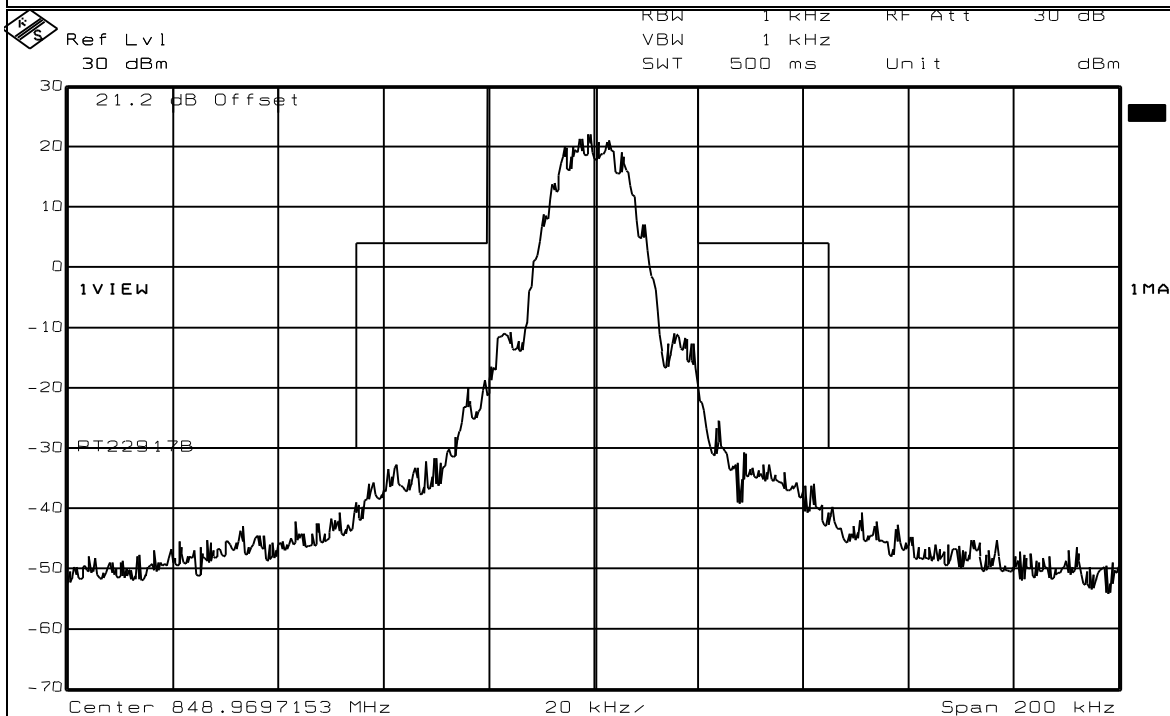
Cable #4:

Attenuator #2:

Mixer:

Additional equipment used:

Measurement Uncertainty: +/-1.7 dB



Date: 9.AUG.2001 7:56:57

Notes: CHANNEL 799

Test Data – Occupied Bandwidth Continued



Dallas Headquarters:

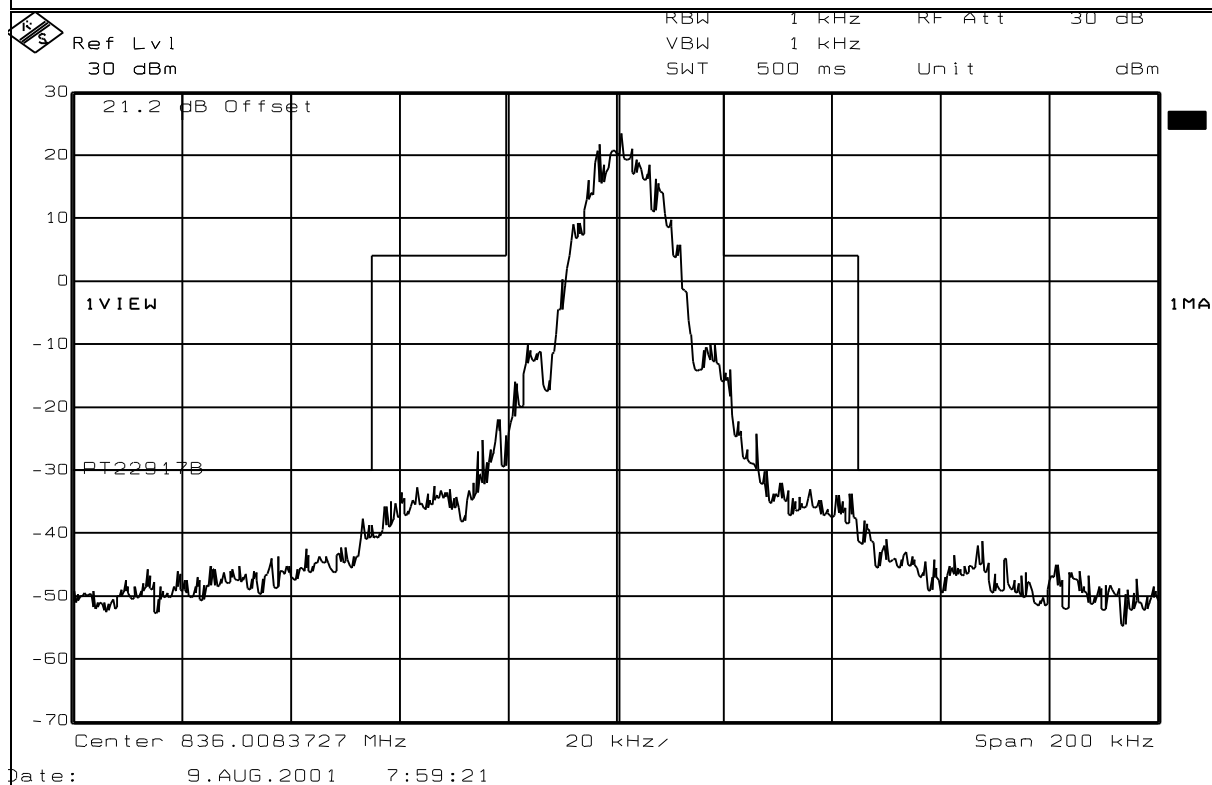
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Data Plot Occupied Bandwidth

Page 2 of 3

Job No.: 1L0412R Date: 8/9/01
Specification: Part 22 Temperature(°C): 22
Tested By: David Light Relative Humidity(%) 50
E.U.T.: Portfolio
Configuration: Transmit full power



Notes: CHANNEL 367

Test Data – Occupied Bandwidth Continued



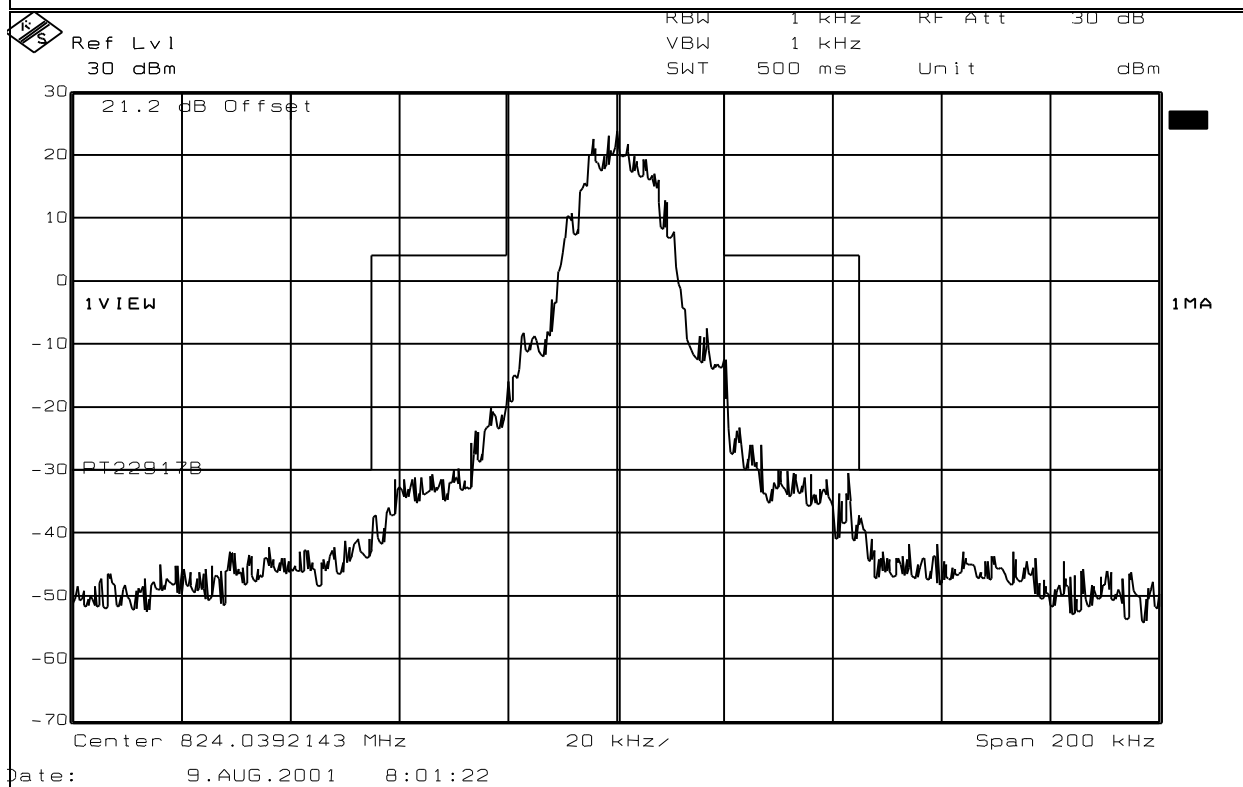
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Data Plot Occupied Bandwidth

Page 3 of 3

Job No.: 1L0412R Date: 8/9/01
Specification: Part 22 Temperature(°C): 22
Tested By: David Light Relative Humidity(%) 50
E.U.T.: Portfolio
Configuration: Transmit full power



Notes:

Section 5. Spurious Emissions at Antenna Terminals

NAME OF TEST: Spurious Emissions At Antenna Terminals	PARA. NO.: 2.1051
TESTED BY: David Light	DATE: 8/9/2001

Test Results: Complies.

Measurement Data: See attached graph.

Measurement Uncertainty: +/- 1.7 dB

Test Data – Spurious Emissions at Antenna Terminals



Nemko Dallas, Inc.

Dallas Headquarters:

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Tel: (972) 436-9600
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Data Plot		Antenna Port Spurious Emissions	
Page <u>1</u> of <u>6</u>		Complete <u>X</u>	
Job No.: 1L0412R	Date: 8/9/2001	Preliminary <u> </u>	
Specification: Part 22	Temperature(°C): 22		
Tested By: David Light	Relative Humidity(%) 50		
E.U.T.: Portfolio			
Configuration: Continuous transmit			
Sample Number: S01			
Location: Lab 1	RBW: Refer to plots	Measurement	
Detector Type: Peak	VBW: Refer to plots	Distance: N/A m	
Test Equipment Used			
Antenna: <u> </u>	Directional Coupler: <u> </u>		
Pre-Amp: <u> </u>	Cable #1: 1082		
Filter: <u> </u>	Cable #2: <u> </u>		
Receiver: 1036	Cable #3: <u> </u>		
Attenuator #1: 1474	Cable #4: <u> </u>		
Attenuator #2: <u> </u>	Mixer: <u> </u>		
Additional equipment used: <u> </u>			
Measurement Uncertainty: +/-3.6 dB			
Date: 9.AUG.2001 8:16:53			
Notes: CHANNEL 991 MARKER ONE INDICATES CARRIER - MARKER TWO INDICATES HIGHEST EMISSION			

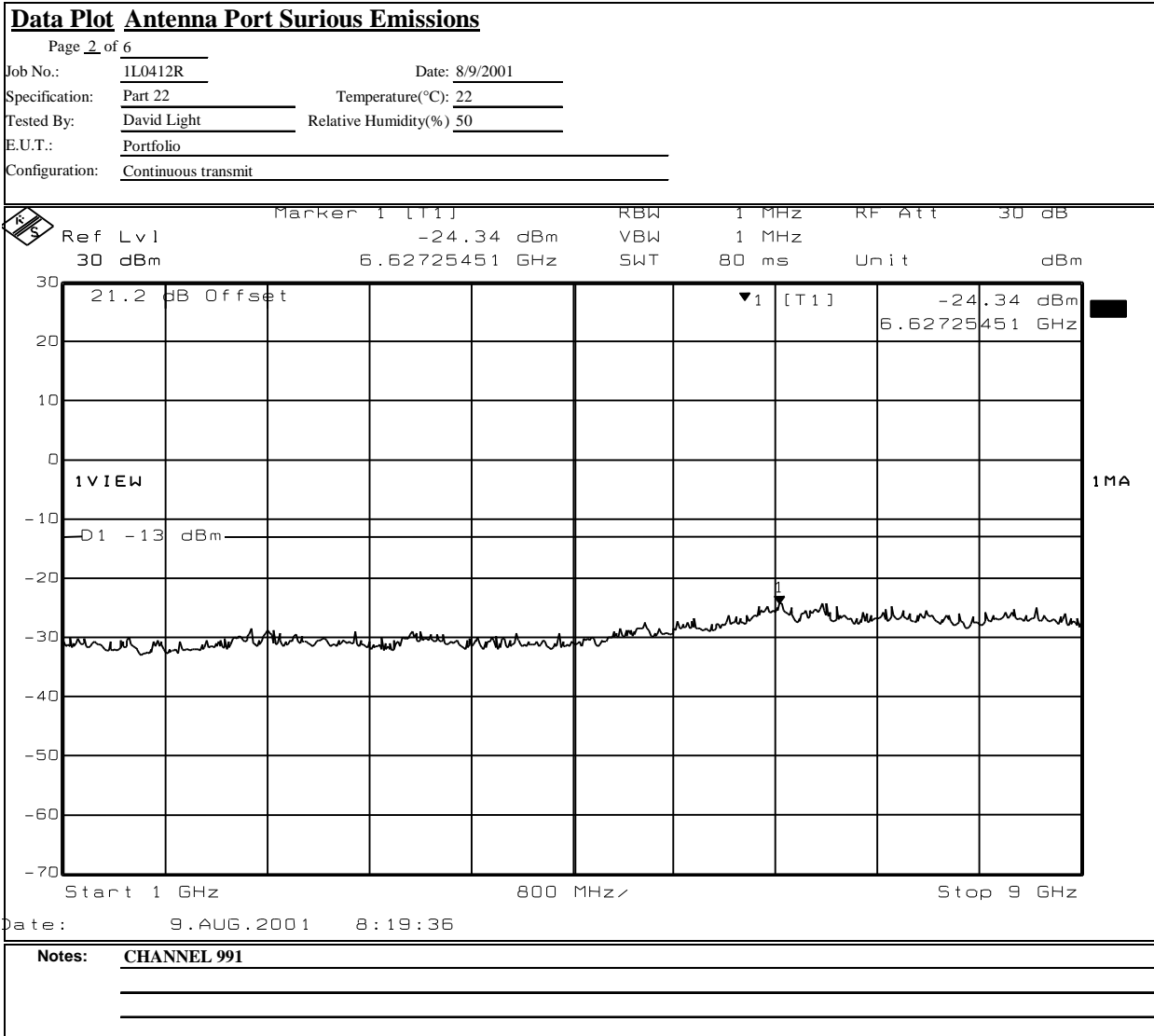
Test Data – Spurious Emissions at Antenna Terminals Continued



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Test Data – Spurious Emissions at Antenna Terminals Continued



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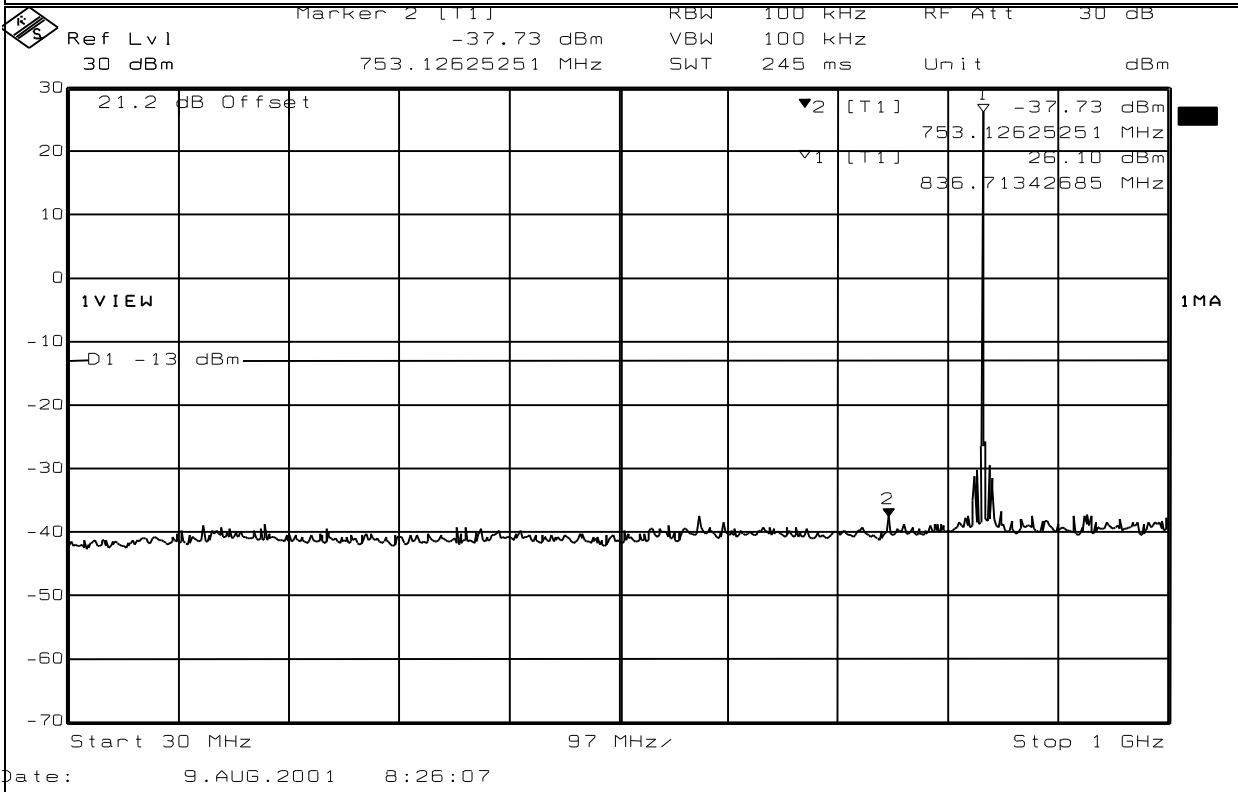
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Data Plot Antenna Port Surious Emissions

Page 3 of 6

Job No.: 1L0412R Date: 8/9/2001
Specification: Part 22 Temperature(°C): 22
Tested By: David Light Relative Humidity(%) 50
E.U.T.: Portfolio
Configuration: Continuous transmit



Notes: CHANNEL 367
MARKER ONE INDICATES CARRIER - MARKER TWO INDICATES HIGHEST EMISSION

Test Data – Spurious Emissions at Antenna Terminals Continued



Dallas Headquarters:

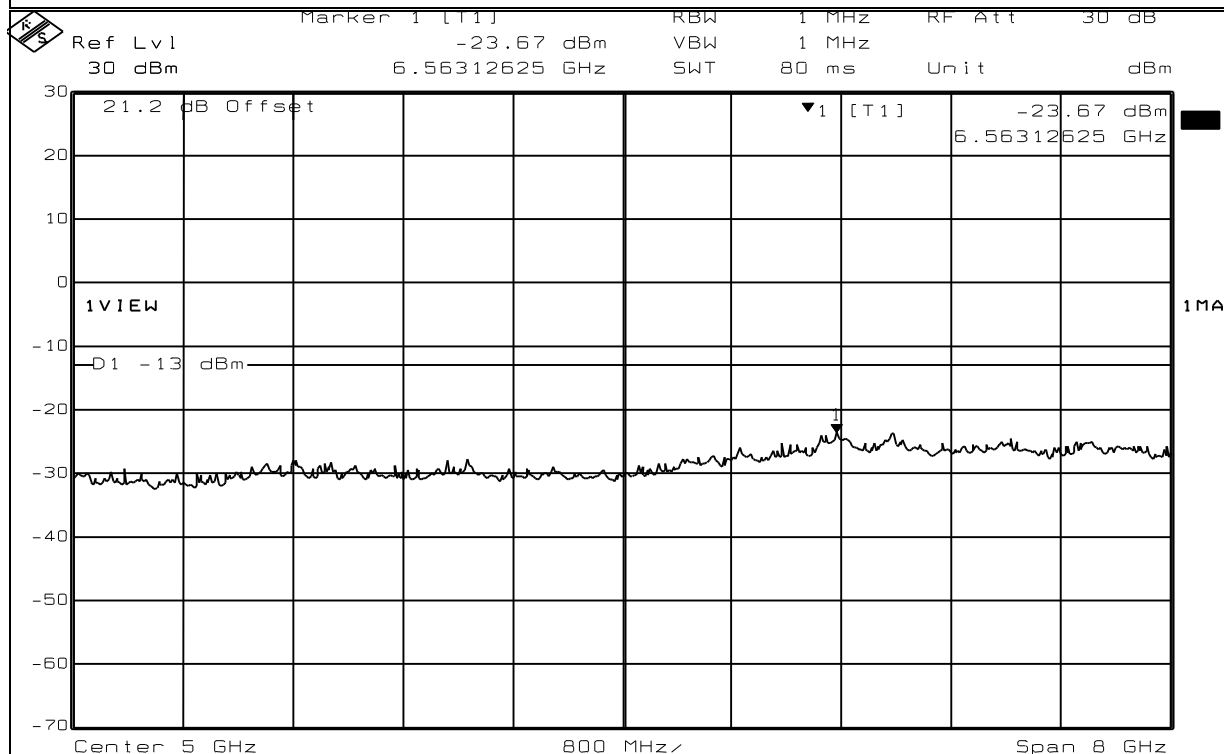
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Nemko Dallas, Inc.

Test Plot: Antenna Port Surrious Emissions

Page 4 of 6

Job No.: 1L0412R Date: 8/9/2001
Specification: Part 22 Temperature(°C): 22
Tested By: David Light Relative Humidity(%) 50
E.U.T.: Portfolio
Configuration: Continuous transmit



Date: 9.AUG.2001 8:47:16

Notes: CHANNEL 367

Test Data – Spurious Emissions at Antenna Terminals Continued



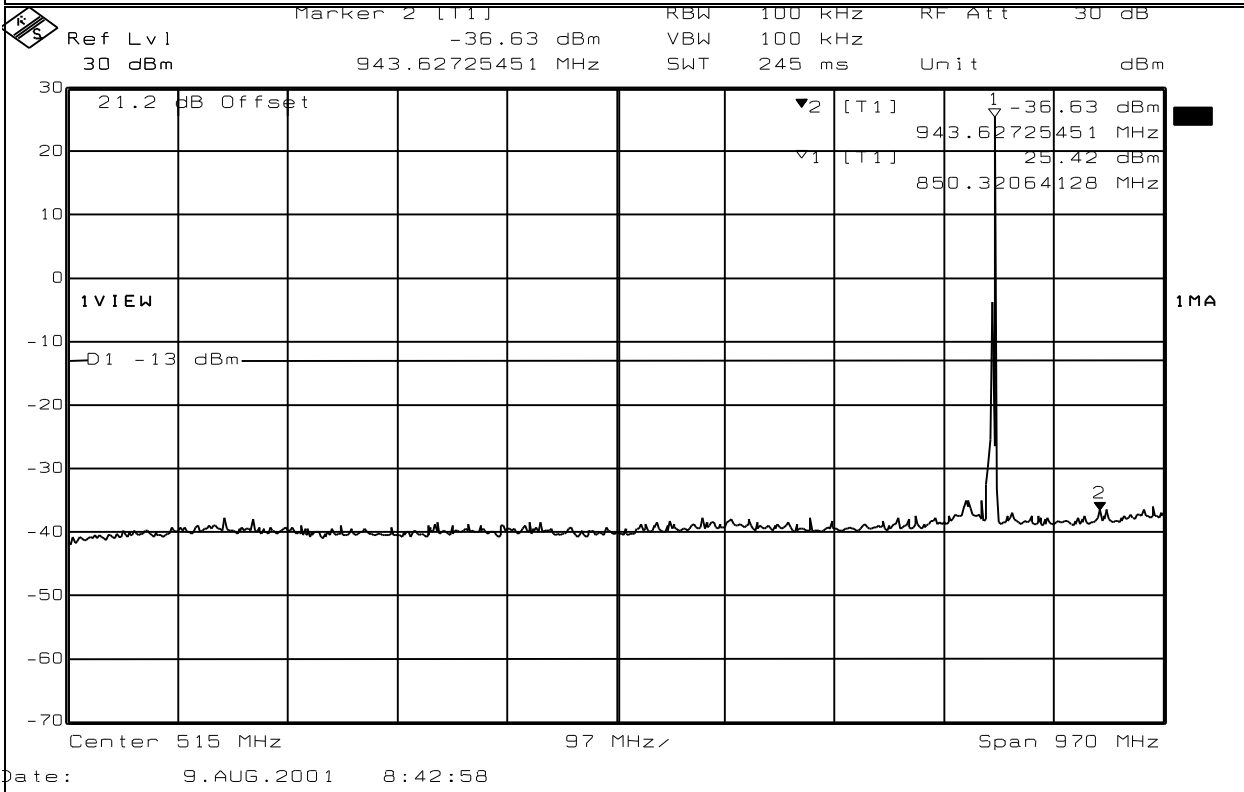
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Test Plot: Antenna Port Surrious Emissions

Page 5 of 6

Job No.: 1L0412R Date: 8/9/2001
Specification: Part 22 Temperature(°C): 22
Tested By: David Light Relative Humidity(%) 50
E.U.T.: Portfolio
Configuration: Continuous transmit



Notes: CHANNEL 799
MARKER ONE INDICATES CARRIER - MARKER TWO INDICATES HIGHEST EMISSION

Test Data – Spurious Emissions at Antenna Terminals Continued



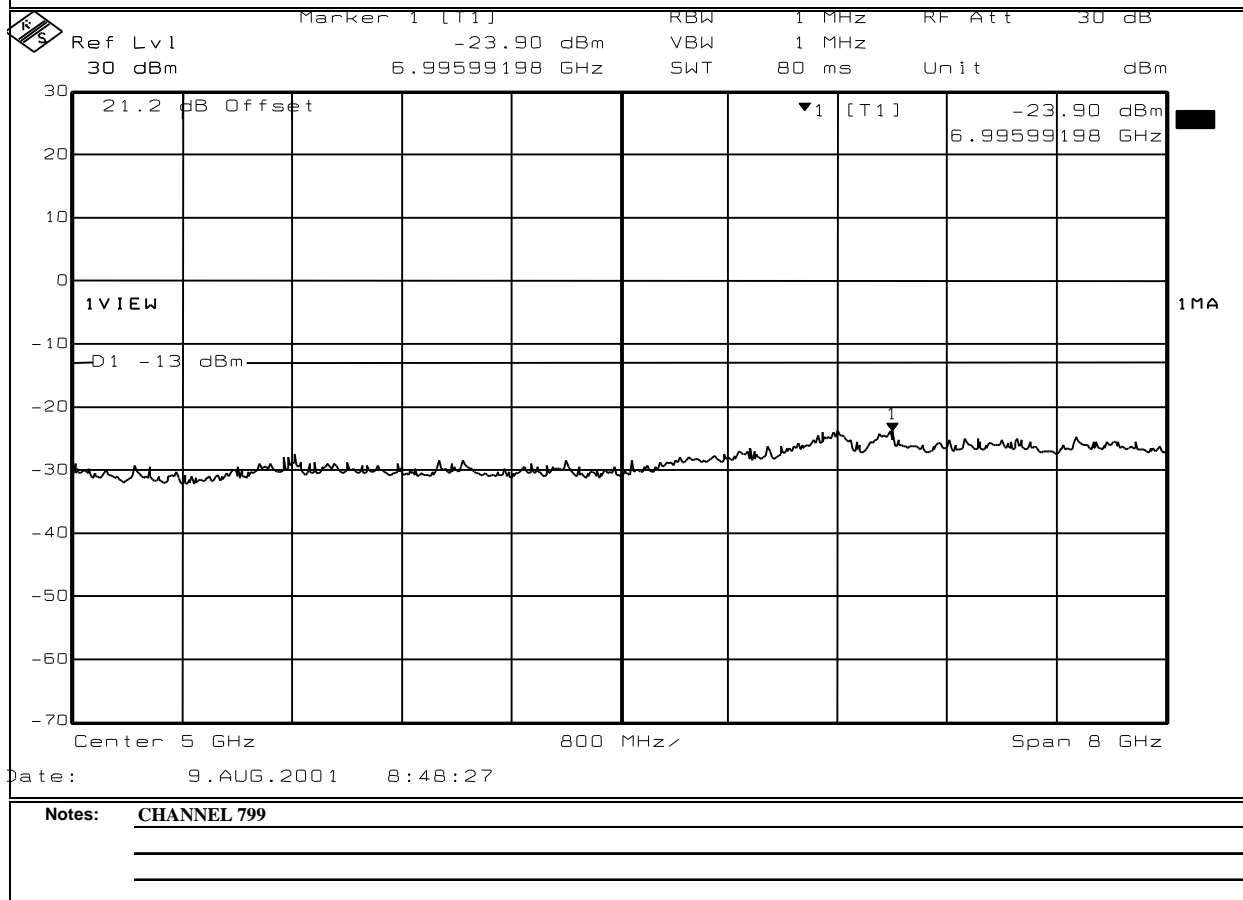
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Dallas Headquarters:

802 N. Kealy
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Tel: (972) 436-9600
Fax: (972) 436-2667**Test Plot: Antenna Port Surrious Emissions**

Page 6 of 6

Job No.: 1L0412R Date: 8/9/2001
 Specification: Part 22 Temperature(°C): 22
 Tested By: David Light Relative Humidity(%) 50
 E.U.T.: Portfolio
 Configuration: Continuous transmit



Section 6. Field Strength of Spurious

NAME OF TEST: Field Strength of Spurious	PARA. NO.: 2.1053
TESTED BY: David LightTom Tidwell	DATE:10/29/2001

Test Results: Complies.

Measurement Data: See attached table.

Measurement Uncertainty: +/- 3.6 dB

Test Data - Radiated Emissions

Nemko Dallas, Inc.

Dallas Headquarters:802 N. Kealy
Lewisville, TX 75057
Tel: (972) 436-9600
Fax: (972) 436-2667**Field Strength of Spurious Emissions**

Page 1 of 1

Job No.: 1L0412R Date: 10/29/2001 Complete X
Preliminary _____

Specification: PART 22 Temperature(°C): 22

Tested By: David Light Relative Humidity(%) 45

E.U.T.: PORTFOLIO

Configuration: TX CW CENTER CHANNEL

Sample No: _____

Location: AC 3 RBW: 100 kHz Measurement _____

Detector Type: Peak VBW: 100 kHz Distance: 3 m

Test Equipment Used

Antenna: 993 Directional Coupler: _____

Pre-Amp: 1016 Cable #1: 1484

Filter: 1482 Cable #2: 1485

Receiver: 1464 Cable #3: _____

Attenuator #1: _____ Cable #4: _____

Attenuator #2: _____ Mixer: _____

Additional equipment used: _____

Measurement Uncertainty: +/-3.6 dB

Frequency (MHz)	Meter Reading (dBm)	Correction Factor (dB)		Pre-Amp Gain (dB)	Substitution Antenna Gain (dBd)		ERP (dBm)	ERP (mW)	Polarity	Comments
836.01	-7.2	32.3		0	0.5		25.6	363.915036	H	Carrier
836.01	-17.5	32.3		0	0.5		15.3	34.197944	V	Carrier
1672.00	-70.0	29.9		0	6.4		-33.8	0.000417	V	
2508.00	-42.3	35.6		33.8	8.0		-32.6	0.000553	V	
3344.00	-48.0	37.1		33.6	8.1		-36.4	0.000229	V	
4180.00	-51.8	42.8		33.5	7.9		-34.6	0.000349	V	
5016.00	-43.6	40.6		33.5	9.1		-27.4	0.001807	V	
5852.00	-61.8	38.5		33.3	9.1		-47.5	0.000018	V	
6688.00	-69.0	38.3		33	10.1		-53.6	0.000004	V	
7524.00	-66.8	40.4		33	9.4		-49.9	0.000010	V	
8360.00	-70.0	41.6		34.2	9.7		-52.9	0.000005	V	
1672.00	-67.7	32.7		0	6.4		-28.7	0.001361	H	
2508.00	-43.8	34.6		33.8	8.0		-35.0	0.000315	H	
3344.00	-54.3	35.8		33.6	8.1		-44.0	0.000040	H	
4180.00	-59.3	35.2		33.5	7.9		-49.7	0.000011	H	
5016.00	-52.0	36.3		33.5	9.1		-40.2	0.000097	H	
5852.00	-65.5	36.0		33.3	9.1		-53.7	0.000004	H	
6688.00	-70.0	37.8		33	10.1		-55.0	0.000003	H	
7524.00	-69.0	39.8		33	9.4		-52.8	0.000005	H	
8360.00	-70.0	42.2		34.2	9.7		-52.3	0.000006	H	

Notes: Measured to 10th harmonic of carrier frequency.

Photographs of Test Setup

FRONT VIEW



REAR VIEW



Section 7. Frequency Stability

NAME OF TEST: Frequency Stability	PARA. NO.: 2.1055
TESTED BY: David Light	DATE:8/9/2001

Test Results: Complies.

Measurement Data: See attached table.

Standard Test Frequency: 836.01 MHz
Standard Test Voltage: 115 Vac

Measurement Uncertainty: 1×10^{-12} ppm

Temperature: 22 °C

Relative Humidity: 50 %

Test Data – Frequency Stability**Dallas Headquarters:**802 N. Kealy
Lewisville, TX 75057
Tel: (972) 436-9600
Fax: (972) 436-2667**Frequency Stability**Client: EnforaW.O.# 1L0412REUT: PortfolioS/N: NoneDate: 8/9/2001Tech: Light

Test Equipment used: 1026-283

Temperature	Voltage	Frequency Error
20 °C	115 VAC	-180 Hz
20 °C	98 VAC	-180 Hz
20 °C	132 VAC	-180 Hz
10 °C	115 Vac	+74 Hz
0 °C	115 Vac	+203 Hz
-10 °C	115 Vac	+84 Hz
-20 °C	115 Vac	-84 Hz
-30 °C	115 Vac	-95 Hz
30 °C	115 Vac	-177 Hz
40 °C	115 Vac	-166 Hz
50 °C	115 Vac	-175 Hz

Section 8. Test Equipment List

ASSET	Description	Manufacturer Model Number	Serial Number	Cal. Date	Cal. Due
1464	Spectrum analyzer	Hewlett Packard 8563E	3551A04428	01/02/01	01/02/02
1485	Cable 2.0-18.0 Ghz	Storm PR90-010-216	N/A	06/01/01	06/01/02
1484	Cable 2.0-18.0 Ghz	Storm PR90-010-072	N/A	06/01/01	06/01/02
1016	Pre-Amp	HEWLETT PACKARD 8449A	2749A00159	05/30/01	05/30/02
1029	PEAK POWER METER	HP 8900D	3303U0012	03/12/01	03/12/02
1030	PEAK POWER SENSOR	HP 84811A	2539A03573	03/12/01	03/12/02
1474	20db Attenuator DC 18 Ghz	MCL Inc. BW-S20W2	NONE	CBU	N/A
1082	CABLE 2m	Astrolab 32027-2-29094-72TC	N/A	06/01/01	06/01/02
1036	SPECTRUM ANALYZER	ROHDE & SCHWARZ FSEK30	830844/006	09/17/01	09/18/03
1474	20db Attenuator DC 18 Ghz	MCL Inc. BW-S20W2	NONE	CBU	N/A
1026	FREQUENCY COUNTER	HEWLETT PACKARD 5350B	8232A01493	08/17/01	08/17/02
283	ENVIROMENTAL CHAMBER	ENVIROTRONICS SH27	129010083	05/02/01	05/02/02

ANNEX A - TEST DETAILS

NAME OF TEST: RF Power Output**PARA. NO.: 1.1046****Minimum Standard:**

Para. No. 22.913(a). The E.R.P. of mobile transmitter and auxiliary test transmitter must not exceed 7 watts.

EIA is 19B Para. No. 3.2.1.3. The transmitter shall be compiled of 8 distinct power levels.

The output power shown above shall be maintained within the range of +2 dB, -4 dB of nominal dBW value

PL	I	II	III
0	+6	+2	-2
1	+2	+2	-2
2	-2	-2	-2
3	-6	-6	-6
4	-10	-10	-10
5	-14	-14	-14
6	-18	-18	-18
7	-22	-22	-22

Method Of Measurement:Detachable Antenna:

The power at antenna terminals is measured using an in-line power meter.

Integral Antenna:

If the antenna is not detachable from the circuit then the Power Output is derived from the radiated field strength of the fundamental emission by using the plane wave relation $GP/4\pi R^2 = E^2/120\pi$ and proceeding as follows:

$$P = \frac{E^2 R^2}{30G} = \frac{E^2 3^2}{30G}$$

where,

P = the equivalent radiated power in watts

E = the maximum measured field strength in V/m

R = the measurement range (3 meters)

G = the numeric gain of the transmit antenna in relation to a halfwave dipole antenna

NAME OF TEST: Audio Frequency Response	PARA. NO.: 2.1047
---	--------------------------

Minimum Standard:

Para. No. 15-19-B. From 300 to 3000 Hz the audio frequency response shall not vary more than +1 to -3 dB from a true 6dB octave pre-emphasis characteristic as referred to 1000 Hz level (with the exception of a permissible 6dB per octave roll-off from 2500 to 3000 Hz).

Method Of Measurement:

Operate the transmitter with the compressor disabled, and monitor the output with a frequency deviation meter or standard test receiver without standard 750-microsecond de-emphasis, with expander disabled, and without C-message weighted filter (see 6.6.2). Apply a sine wave audio input to the transmitter external audio input port, vary the modulating frequency from 300 to 3000 Hz and observe the input levels necessary to maintain a constant ± 2.9 kHz system deviation.

NAME OF TEST: Audio Low Pass Filter Response

PARA. NO.: 2.1047

Minimum Standard:

Para. No. 22.915 (d). For mobile stations, signals must be attenuated as a function of frequency as follows:

- i. In the frequency ranges 3.0 to 5.9 Hz and 6.1 to 15 kHz, 40 log (f/3) dB.
- ii. In the frequency range 5.9 to 6.1 kHz, 35 dB
- iii. In the frequency range above 15 kHz, 28 dB.

Method Of Measurement:

Adjust the audio input frequency to 1000 Hz and adjust the input level to 20 dB greater than that required to produce ± 8 kHz deviation. Note the output level on the frequency deviation meter or standard test receiver. Using the output level as reference (0dB), vary the modulating frequency from 3000 Hz to 30,000 Hz and observe the change in output while maintaining a constant audio input level.

NAME OF TEST: Modulation Limiting

PARA. NO.: 2.1047

Minimum Standard: Para. No. 22.915(b)

The levels of the modulating signals must be set to the values specified below and must be maintained within $\pm 10\%$ of these values.

Voice: ± 12 kHz

SAT: ± 2 kHz

Wideband Data: ± 8 kHz

ST: ± 8 kHz

Method Of Measurement:

Voice: A 1 kHz audio tone is injected at levels between -45 and +20 dBVrms. The peak deviation is noted. This is repeated with a 300 Hz tone and a 3 kHz tone.

SAT: A SAT tone is generated by the mobile station and the peak deviation is measured.

Wideband Data: Wideband data is generated by the mobile station and the peak deviation is measured.

ST: ST data is generated by the mobile station and the peak deviation is measured.

NAME OF TEST: Occupied Bandwidth (Voice & SAT)	PARA. NO.: 2.1049
---	--------------------------

Minimum Standard: 22.917(b) The mean power of any emission removed from the carrier frequency by a displacement frequency (f_d in kHz) must be attenuated below the mean power of the unmodulated carrier (P) as follows:

- (i) On any frequency removed from the carrier frequency by more than 20 kHz but not more than 45 kHz: at least 26 dB
- (ii) On any frequency removed from the carrier frequency by more than 45 kHz, up to the first multiple of the carrier frequency:

at least 60 dB or $43 + 10 \log (P)$ dB, whichever is the lesser attenuation.

Method Of Measurement:

Spectrum Analyzer Settings:

RBW: 300 Hz
VBW: \geq RBW
Span: 100 kHz
Sweep: Auto
Mask: CELLF3E

Input Signal Characteristics (F3E/F3D):

AF1 frequency: 2.5 kHz
AF1 level: 16 dB above the level sufficient to produce ± 6 kHz deviation with a 1 kHz tone.
SAT: 6000 Hz SAT
SAT level: sufficient to produce ± 2 kHz deviation.

NAME OF TEST: Occupied Bandwidth (WBD & SAT)	PARA. NO.: 2.1049
---	--------------------------

Minimum Standard: 22.917(d) The mean power of any emission removed from the carrier frequency by a displacement frequency (f_d in kHz) must be attenuated below the mean power of the unmodulated carrier (P) as follows:

(1) On any frequency removed from the carrier frequency by more than 20 kHz but not more than 45 kHz:

at least 26 dB

(2) On any frequency removed from the carrier frequency by more than 45 kHz but not more than 90 kHz:

at least 45 dB

(3) On any frequency removed from the carrier frequency by more than 90 kHz, up to the first multiple of the carrier frequency:

at least 60 dB or $43 + 10 \log (P)$ dB, whichever is the lesser attenuation.

Method Of Measurement:

Spectrum Analyzer Settings:

RBW: 300 Hz

VBW: \geq RBW

Span: 200 kHz

Sweep: Auto

Mask: CELLF1D

Input Signal Characteristics:

RF level: Maximum recommended by manufacturer

10 kbps WBD + DAT

ST

NAME OF TEST: Spurious Emission at Antenna Terminals	PARA. NO.: 2.1051
---	--------------------------

Minimum Standard: Para. No. 22.917(b). The mean power of emissions must be attenuated below the mean power of the unmodulated carrier on any frequency twice or more than twice the fundamental emission by at least $43 + 10 \log P$. This is equivalent to -13 dBm absolute power.

Method Of Measurement:

Spectrum Analyzer Settings:

RBW: 30 kHz (AMPS). As required for digital modulations.

VBW: \geq RBW

Start Frequency: 0 MHz

Stop Frequency: 10 GHz

Sweep: Auto

NAME OF TEST: Field Strength of Spurious Radiation	PARA. NO.: 2.1053
---	--------------------------

Minimum Standard: Para. No. 22.917(b). The mean power of emissions must be attenuated below the mean power of the unmodulated carrier on any frequency twice or more than twice the fundamental emission by at least $43 + 10 \log P$. This is equivalent to -13 dBm absolute power.

Test Method: TIA/EIA-603-1992, Section 2.2.12

The antenna substitution method was used to determine the equivalent radiated power at spurious frequencies. The spurious emissions were measured at a distance of 3 meters. The EUT was then replaced with a reference substitution antenna with a known gain referenced to a dipole. This antenna was fed with a signal at the spurious frequency. The level of the signal was adjusted to repeat the previously measured level. The resulting erp is the signal level fed to the reference antenna corrected for gain referenced to a dipole.

The spectrum is searched to 10 GHz.

NAME OF TEST: Frequency Stability**PARA. NO.: 2.1055****Minimum Standard:**

Para. No. 22.355. The transmitter carrier frequency shall remain within the tolerances given in Table C-1.

Freq. Range (MHz)	Mobile > 3 W	Mobile ≤ 3 W
821 to 896	2.5	2.5

Table C-1

Method Of Measurement:Frequency Stability With Voltage Variation:

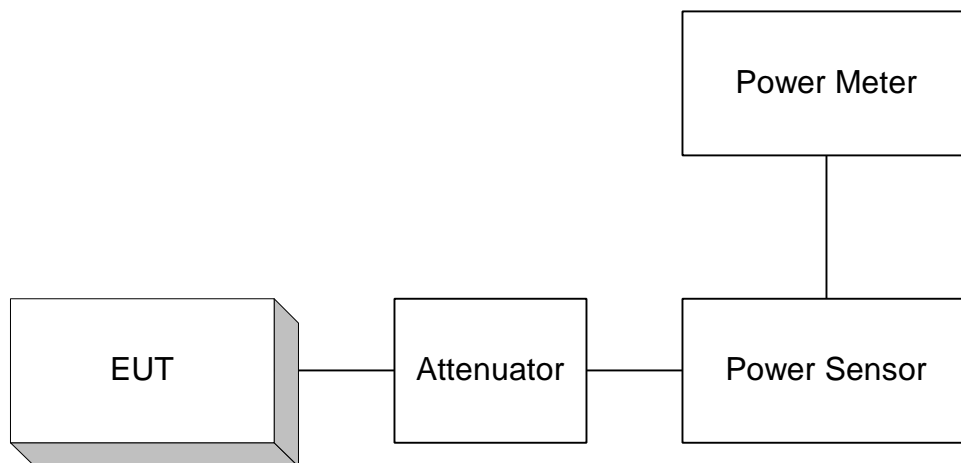
The E.U.T. is placed in an environmental chamber and allowed to stabilize at +20 degrees Celsius for at least 15 minutes. The frequency counter and signal generator are phase locked with the same 10 MHz reference frequency by connecting the 10 MHz ref. out of the counter to the 10 MHz ref, in of the signal generator. With the voltage input to the E.U.T. set to 85% S.T.V., the frequency is measured in 30 second intervals for a period of 5 minutes. This procedure is repeated at 100% S.T.V. and 115% S.T.V.

Frequency Stability With Temperature Variation:

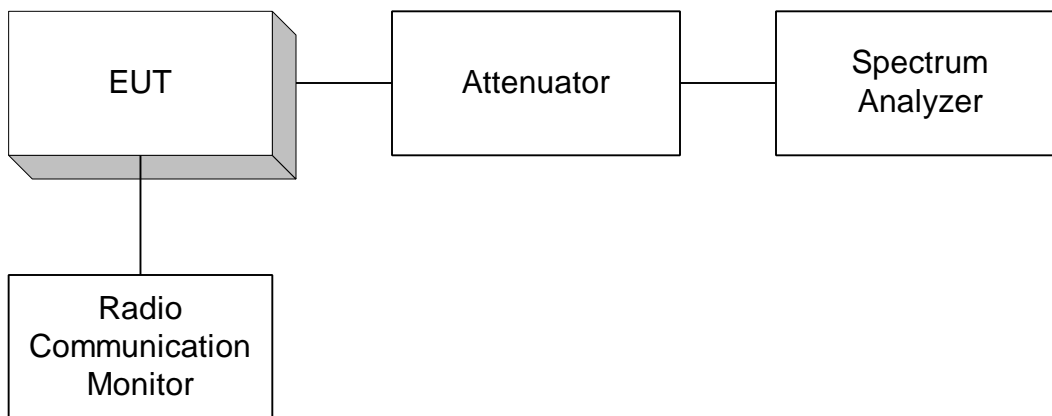
The input voltage to the E.U.T. is set to S.T.V. and the temperature of the environmental chamber is varied in 10 degree steps from -30 degrees C to +50 degrees C. The E.U.T. is allowed to stabilize at each temperature and the frequency is measured in 30 second intervals for a period of 5 minutes.

ANNEX B - TEST DIAGRAMS

Para. No. 2.1046 - R.F. Power Output

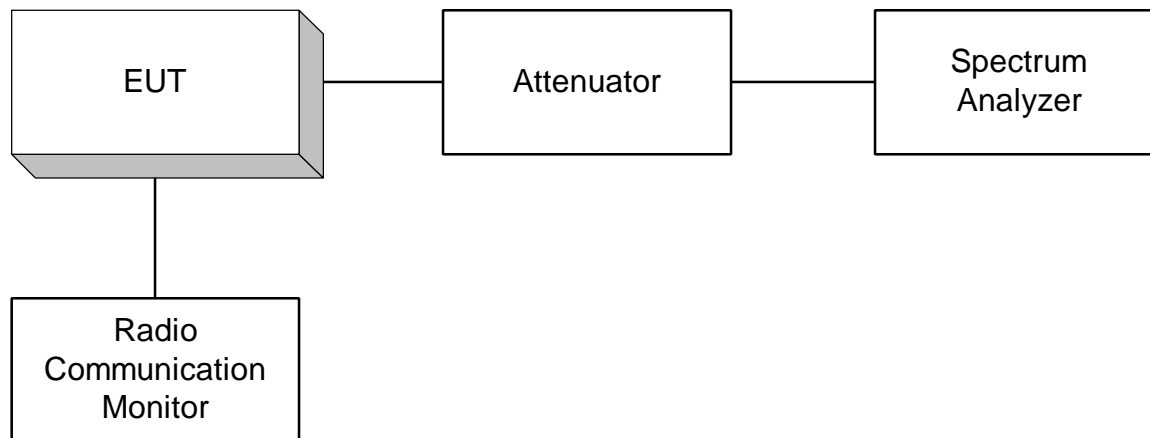


Para. No. 2.1049 - Occupied Bandwidth



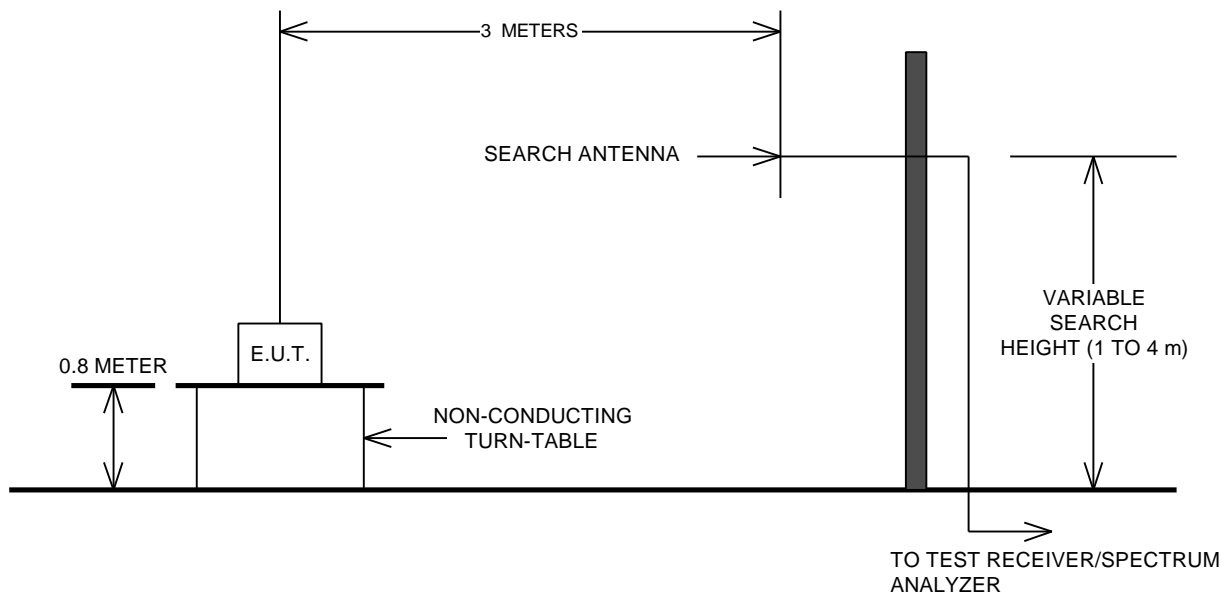
The Radio Communication Monitor is used only to provide modulation input for external modulation.

Para. No. 2.1051 Spurious Emissions at Antenna Terminals

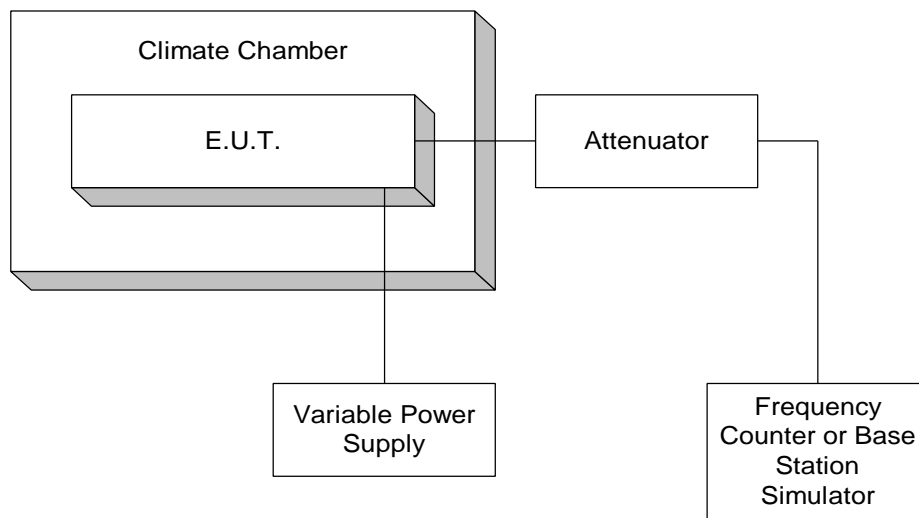


The Radio Communication Monitor is used only to provide modulation input for external modulation.

Para. No. 2.1053 - Field Strength of Spurious Radiation



Para. No. 2.1055 - Frequency Stability



Para. No. 2.1045 – Audio Frequency Response, Audio Low Pass Filter Response And Modulation Limiting

