



PCTEST Engineering Laboratory, Inc.

6660-B Dobbin Road • Columbia, MD 21045 • U.S.A.

TEL (410) 290-6652 • FAX (410) 290-6654

<http://www.pctestlab.com>



CERTIFICATE OF COMPLIANCE FCC Part 22 Certification

TELIRAN Electronic Industries Ltd.
20 Ben-Zion Gelis Street
Sgula Industrial Zone, Israel 49100
Attn: Mr. Yehuda Mark, R&D Manager

Dates of Tests: January 24-28, 2000
Test Report S/N: 22.200105004.OWB
Test Site: PCTEST Lab, Columbia MD

FCC ID

OWB1TM-0034-0001

APPLICANT

TELIRAN Electronic Industries Ltd.

Classification:	Non-Broadcast Station Transmitter (TNB)
FCC Rule Part(s):	§22(H), §2
EUT Type:	PCMCIA Cellular Modem Card (AMPS)
Trade Name/Model(s):	TELIRAN 1TM-0034-0001
Tx Frequency Range:	824.04 ~ 848.97 MHz
Rx Frequency Range:	869.04 ~ 893.97 MHz
Max. RF Output Power:	0.444 W ERP (26.47 dBm)
Frequency Tolerance:	0.00025% (2.5 ppm)
Emission Designator:	40K0F8W, 40K0F1D

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947 with the following remarks (Note Codes):

** (BC) The output power is continuously variable from the value listed in this entry to 5%-10% of the value listed.*

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

PCTEST certifies that no party to this application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 853(a).


Randy Ortanez
President & Chief Engineer



200105004.OWB

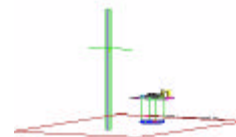
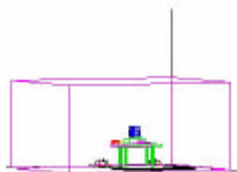
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LAB CODE 100431-0

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MEASUREMENT REPORT



1.1 Scope

Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission.

§2.1033(a) General Information

Applicant Name:	TELIRAN Electronic Industries Ltd.
Address:	20 Ben-Zion Gelis Street Sgula Industrial Zone, Israel 49100
Attention:	Mr. Yehuda Mark R&D Manager

- FCC ID: **OWB1TM-0034-0001**
- Trade Name/Model(s): **TELIRAN 1TM-0034-0001**
- Quantity: Quantity production is planned
- Emission Designator: 40K0F8W, 40K0F1D
- Tx Freq. Range: 824.04 – 848.97 MHz
Rx Freq. Range: 869.04 – 893.97 MHz
- Equipment Class: Non-Broadcast Station Transmitter (TNB)
- Equipment Type: PCMCIA Cellular Modem Card (AMPS)
- Modulation: AMPS
- Frequency Tolerance: $\pm 0.00025\%$ (2.5 ppm)
- Max. RF Output Power: 0.444W ERP (26.47 dBm)
- FCC Rule Part(s): § 22(H), §2
- Power Source: From Host Computer
- Dates of Tests: January 24-28, 2000
- Place of Tests: PCTEST Lab, Columbia, MD U.S.A.
- Test Report S/N: 22.200105004.OWB



2.1 INTRODUCTION

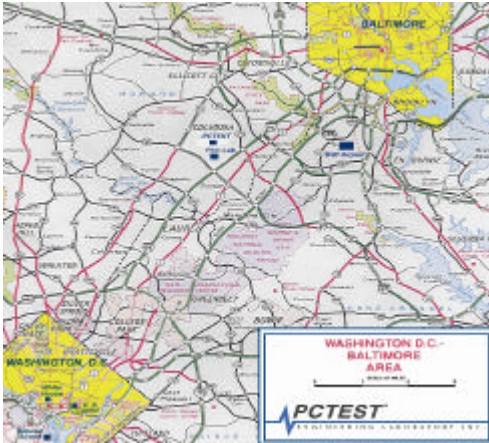


Figure 1. Map of the Greater Baltimore and Metropolitan Washington, D.C. area.

These measurement tests were conducted at **PCTEST Engineering Laboratory, Inc.** facility in New Concept Business Park, Guilford Industrial Park, Columbia, Maryland. The site address is 6660-B Dobbin Road, Columbia, MD 21045. The test site is one of the highest points in the Columbia area with an elevation of 390 feet above mean sea level. The site coordinates are 39° 11'15" N latitude and 76° 49'38" W longitude. The facility is 1.5 miles North of the FCC laboratory, and the ambient signal and ambient signal strength are approximately equal to those of the FCC laboratory. There are no FM or TV transmitters within 15 miles of the site. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4 on October 19, 1992.

Measurement Procedure

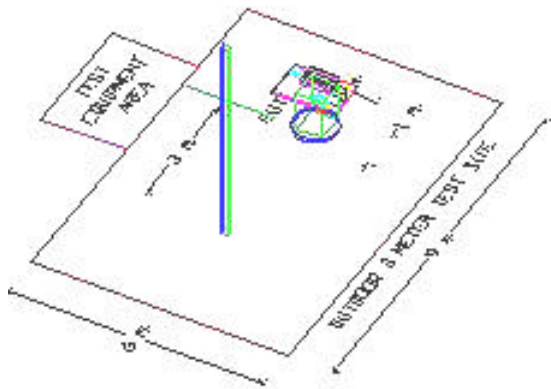


Figure 2. 3-meter Outdoor Test Site

The radiated and spurious measurements were made outdoors at 3-meter test range (see Figure2). The equipment under test is placed on the turntable connected to a RF wattmeter and a dummy RF load, and then its power is adjusted to its rated output. A receiving antenna located 2 meters from the turntable picks up any signal radiated from the transmitter. The turntable containing the system was rotated; the receiving antenna height was varied 1 to 4 meters and stopped at the azimuth or height producing the maximum emission. The testing procedure is repeated for both horizontal and vertical polarization of the receiving antenna. The actual radiated signal strength is obtained by substitution method with a signal generator with a calibrated output. The signal generator is adjusted in output until its reading is identical to that obtained when the receiving antenna is connected to the receiver. Signal strength is then read directly from the signal generator.

3.1 INSERTS PER §2.1033(d)

§2.1033(d) Function of Active Devices (Confidential)

The Function of active devices are shown in Attachment L.

§2.1033(d) Block/Circuit Diagrams (Confidential)

The block diagram(s) are shown in Attachment I. The schematic diagrams are shown in Attachment J.

§2.1033(d) Operating Instructions

The instruction manual is shown in Attachment M.

§2.1033(d) Parts List & Tune-Up Procedure (Confidential)

The tune-up procedure is shown in Attachment K.

§2.1033(d) Description of Freq. Stabilization Circuit (Confidential)

The description of frequency stabilization circuit is shown in Attachment L.

§2.1033(d) Description for Suppression of Spurious Radiation, for Limiting Modulation, and Harmonic Suppresion Circuits (Confidential)

The description of suppression stabilization circuits are shown in Attachment L.

4.1 DESCRIPTION OF TESTS

4.2 §2.1047(a) Transmitter Audio Frequency Response

The frequency response of the audio modulating circuit over the frequency range 100 – 5000 Hz is measured. The audio signal generator is connected to the audio input circuit/microphone of the EUT. The audio signal input is adjusted to obtain 50% modulation at 1kHz and this point is taken as the 0dB reference. With the input held constant and below the limit at all frequencies, the audio signal generator is varied from 100 to 50 kHz.

4.3 §22.915(d) Audio Low Pass Filter Frequency Response

The response in dB relative to 1kHz is measured using the HP8901 a Modulation Analyzer. For the frequency response of the audio low-pass filter, the audio input is connected at the input to the modulation limiter and the modulated stage. The audio output is connected at the output of the modulated stage. The corresponding plots are shown herein.

4.4 §2.1047(b) & §22.915(b) Modulation Limiting

The audio signal generator is connected to the audio input circuit/microphone of the EUT. The modulation response is measured for each of the three modulating frequencies (300Hz, 1000 Hz, and 3000Hz), and the input voltage is varied from 30% modulation (± 3.6 kHz deviation) to at least 20dB higher than the saturation point. Measurements of modulation and the plots are attached herein. Measurements were performed for ST, SAT, and wide-band data modulations. The corresponding results are shown herein.

Note: ST, SAT, & Wide-Band data were internally generated by the EUT.

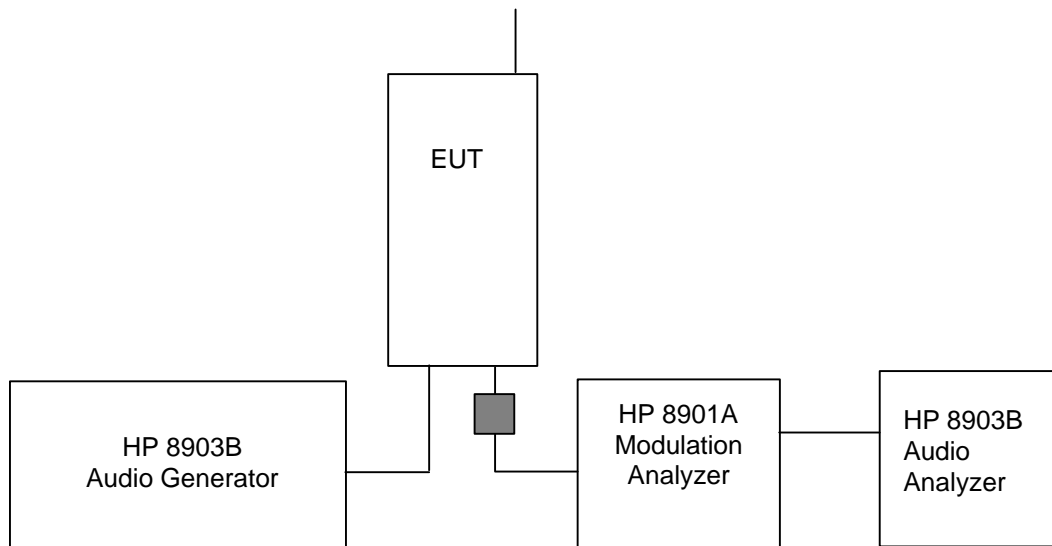


Fig. 3. Transmitter Audio Frequency & Tone Modulation Test Setup.

4.1 DESCRIPTION OF TESTS (CONTINUED)

4.5 §2.1049(c) Occupied Bandwidth

The audio signal generator is adjusted to 1kHz. The output level is set to +/- 6kHz deviation. With the level constant, the freq. is set to 2,500Hz. Then the audio signal level is increased by 16dB. The occupied bandwidth data is obtained for the SAT (Supervisory Audio Tone), ST (Signaling Tone), WBD (Wideband Data), and DTMF (Dual Tone Multi Frequencies). The results are shown on the attached graphs.

Specified Limits:

- (a) On any frequency removed from the assigned carrier frequency by more than 20kHz, up to and including 45kHz, the sideband is at least 26dB below the carrier.
- (b) On any frequency removed from the assigned carrier frequency by more than 45kHz, up to and including 90kHz, the sideband is at least 45dB below the carrier.
- (c) On any frequency removed from the assigned carrier frequency by more than 90kHz, up to the first multiple of the carrier frequency, the sideband is at least 60dB below the carrier of $40 + \log_{10}$ (mean power output in Watts) dB, whichever is the smaller attenuation.

4.6 §2.1051 Spurious and Harmonic Emissions at Antenna Terminal

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to 10 GHz. The transmitter is modulated with a 2500Hz tone at a level of 16dB greater than that required to provide 50% modulation.

At the input terminals of the spectrum analyzer, an isolator (RF circulator with one port terminated with 50 ohms) and an 870 MHz to 890 MHz bandpass filter is connected between the test transceiver (for conducted tests) or the receive antenna (for radiated tests) and the analyzer. The rejection of the bandpass filter to signals in the 825 – 845 MHz range is adequate to limit the transmit energy from the test transceiver which appears to a level which will allow the analyzer to measure signals less than -90dBm. Calibration of the test receiver is performed in the 870 – 890 MHz range to insure accuracy to allow variation in the bandpass filter insertion loss to be calibrated.

4.7 §2.1053 Radiation Spurious and Harmonic Emissions

Radiation and harmonic emissions above 1 GHz is measured at our 3-meter indoor site. The EUT is placed on the turntable connected to a dummy load in normal operation using the intended power source. A receiving antenna located 3 meters from the turntable receives any signal radiated from the transmitter and its operating accessories. The antenna is varied from 1 to 4 meters and the polarization is varied (horizontal and vertical) to determine the worst-case emission level. To obtain actual radiated signal strength, a signal generator is adjusted in output until a reading identical to that obtained with the actual transmitter is obtained at the receiver. Signal strength is read directly from the generator and recorded on the attached table.

4.1 DESCRIPTION OF TESTS (CONTINUED)

4.8 §2.995 Frequency Stability/Temperature Variation

The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +60°C using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the voltage normally at the input to the device or at the power supply terminals if cables are not normally supplied.

Specification – The minimum frequency stability shall be +/- 0.00025% at any time during normal operation.

Time Period and Procedure:

1. The carrier frequency of the transmitter and the individual oscillators is measured at room temperature (25°C to 27°C to provide a reference).
2. The equipment is subjected to an overnight “soak” at -30°C without any power applied.
3. After the overnight “soak” at 30°C (usually 14-16 hours), the equipment is turned on in a “standby” condition for one minute before applying power to the transmitter. Measurement of the carrier frequency of the transmitter and the individual oscillators is made within a three minute interval after applying power to the transmitter.
4. Frequency measurements are made at 10°C interval up to room temperature. At least a period of one and one half-hour is provided to allow stabilization of the equipment at each temperature level.
5. Again the transmitter carrier frequency and the individual oscillators is measured at room temperature to begin measurement of the upper temperature levels.
6. Frequency were made at 10 intervals starting at 30°C up to +50°C allowing at least two hours at each temperature for stabilization. In all measurements the frequency is measured within three minutes after applying power to the transmitter.
7. The artificial load is mounted external to the temperature chamber.

NOTE: The EUT is tested down to the battery endpoint.

5.1 Test Data

5.2 § 22.913 Effective Radiated Power Output

A. POWER: Low (Analog Mode)

Freq. Tuned (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μ V/m)	ERP (W)	ERP (dBm)
824.04	-34.8	31.65	V	155785	0.00445	6.47
836.49	-35.0	31.81	V	154991	0.00440	6.43
848.97	-35.3	31.96	V	152443	0.00426	6.28

B. POWER: High (Analog Mode)

Freq. Tuned (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μ V/m)	ERP (W)	ERP (dBm)
824.04	-14.80	31.65	V	1557848	0.44394	26.47
836.49	-15.00	31.81	V	1549909	0.43943	26.43
848.97	-15.30	31.96	V	1524426	0.42510	26.28

NOTES:

The EUT is placed 3m. away from the receiving antenna and the ERP

is calculated using the formula:

$$\text{ERP (dBm)} = 10 \log_{10} \left(\left(\frac{r(\text{mV/m})}{1 \times 10^6} \right)^2 / 49.2 / 1 \times 10^{-3} \right)$$

$$\text{ERP (dBm)} = 10 \log_{10} \left[\left(\frac{3 \times \text{FS}}{1 \times 10^6} \right)^2 / (49.2) \times 1000 \right]$$

$$\text{ERP (Watts)} = \left(\frac{3 \times \text{FS}}{1 \times 10^6} \right)^2 / 49.2$$

6.1 Test Data

6.2 Radiated Measurements

§ 2.1053 Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 824.04 MHz
 CHANNEL: 991 (Low)
 MEASURED OUTPUT POWER: 26.47 dBm = 0.444 W
 MODULATION SIGNAL: CDMA (Internal)
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 39.47 dBc

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μ V/m)	ERP (dBm)	(dBc)
1648.08	-85.8	34.6	V	616.6	-41.58	68.0
2472.12	-89.0	38.8	V	691.8	-40.58	67.0
3296.16	-103.0	42.6	V	213.8	-50.78	77.2
4120.20	-113.8	46.2	V	93.3	-57.98	84.4
4944.24	< -130	48.0	V			

NOTES:

- The bandwidth is set per §22.917 (RBW = 1MHz, VBW = 1MHz).
- The spectrum was checked from 25 MHz up to the 10th harmonic.
- All emissions not listed were found to be more than 20dB below the limit.
- < -130dBm is below the floor of the spectrum analyzer.
- The EUT is manipulated through 3 orthogonal axis and the worst-case are reported.
- The EUT is placed 3m. away from the receiving antenna and the ERP is calculated using the formula:

$$\text{ERP (dBm)} = 10 \log_{10} \left(\frac{(r(\text{mV/m})/1 \times 10^6)^2}{49.2/1 \times 10^{-3}} \right)$$

$$\text{ERP (dBm)} = 10 \log_{10} \left[\frac{(3 \times \text{FS}/1 \times 10^6)^2}{(49.2) \times 1000} \right]$$

$$\text{ERP (Watts)} = \frac{(3 \times \text{FS})^2}{1 \times 10^6} / 49.2$$

6.1 Test Data (Continued)

6.3 Radiated Measurements

§ 2.1053 Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 836.49 MHz
 CHANNEL: 383 (Middle)
 MEASURED OUTPUT POWER: 26.47 dBm = 0.444 W
 MODULATION SIGNAL: CDMA (Internal)
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 39.47 dBc

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S ($\mu\text{V}/\text{m}$)	ERP (dBm)	(dBc)
1672.98	-88.0	34.7	V	484.2	-43.68	70.1
2509.47	-90.5	39.0	V	595.7	-41.88	68.3
3345.96	-105.0	42.7	V	171.8	-52.68	79.1
4182.45	-116.0	46.1	V	71.6	-60.28	86.7
5018.94	< -130	48.6	V			

NOTES:

- The bandwidth is set per §22.917 (RBW = 1MHz, VBW = 1MHz).
- The spectrum was checked from 25 MHz up to the 10th harmonic.
- All emissions not listed were found to be more than 20dB below the limit.
- < -130dBm is below the floor of the spectrum analyzer.
- The EUT is manipulated through 3 orthogonal axis and the worst-case are reported.
- The EUT is placed 3m. away from the receiving antenna and the ERP is calculated using the formula:

$$\text{ERP (dBm)} = 10 \log_{10} (((r(\text{mV}/\text{m})/1 \times 10^6)^2 / 49.2/1 \times 10^{-3})$$

$$\text{ERP (dBm)} = 10 \log_{10} [(3 \times \text{FS}/1 \times 10^6)^2 / (49.2) \times 1000]$$

$$\text{ERP (Watts)} = ((3 \times \text{FS})/1 \times 10^6)^2 / 49.2$$

6.1 Test Data (Continued)

6.4 Radiated Measurements

§ 2.1053 Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 848.97 MHz
CHANNEL: 799 (High)
MEASURED OUTPUT POWER: 26.47 dBm = 0.444 W
MODULATION SIGNAL: CDMA (Internal)
DISTANCE: 3 meters
LIMIT: $43 + 10 \log_{10} (W) =$ 39.47 dBc

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μ V/m)	ERP (dBm)	(dBc)
1697.94	-87.2	34.8	V	537.0	-42.78	69.2
2546.91	-91.0	39.3	V	582.1	-42.08	68.5
3395.88	-104.2	43.1	V	197.2	-51.48	77.9
4244.85	-117.0	46.2	V	64.6	-61.18	87.6
5093.82	< -130	48.4	V			

NOTES:

- The bandwidth is set per §22.917 (RBW = 1MHz, VBW = 1MHz).
- The spectrum was checked from 25 MHz up to the 10th harmonic.
- All emissions not listed were found to be more than 20dB below the limit.
- < -130dBm is below the floor of the spectrum analyzer.
- The EUT is manipulated through 3 orthogonal axis and the worst-case are reported.
- The EUT is placed 3m. away from the receiving antenna and the ERP is calculated using the formula:

$$\begin{aligned} \text{ERP (dBm)} &= 10 \log_{10} \left(\left(\frac{r(\text{mV/m})}{1 \times 10^6} \right)^2 / 49.2 / 1 \times 10^{-3} \right) \\ \text{ERP (dBm)} &= 10 \log_{10} \left[(3 \times \text{FS} / 1 \times 10^6)^2 / (49.2) \times 1000 \right] \\ \text{ERP (Watts)} &= \{(3 \times \text{FS}) / 1 \times 10^6\}^2 / 49.2 \end{aligned}$$

7.1 Test Data

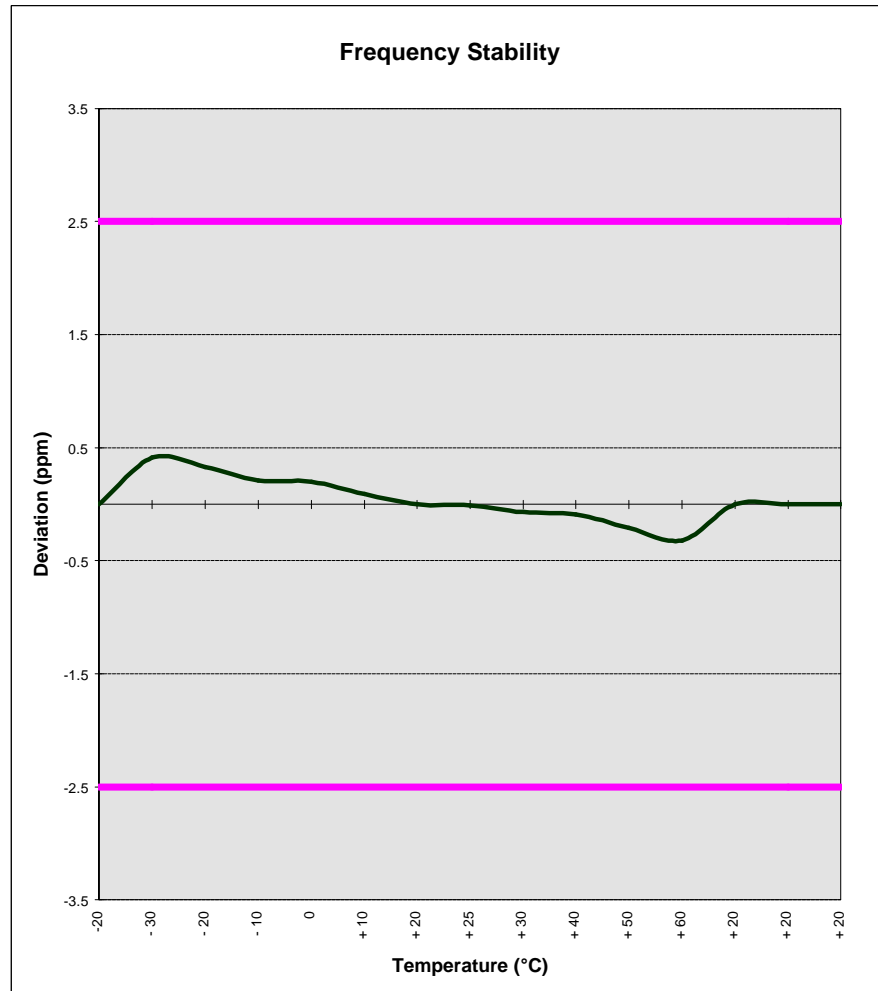
7.2 § 2.995 FREQUENCY STABILITY

OPERATING FREQUENCY: 836,490,007 Hz
 CHANNEL: 383
 REFERENCE VOLTAGE: 5.0 VDC
 DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQ. (Hz)	Deviation (%)
100 %	5.00	+ 20 (Ref)	836,490,007	0.000000
100 %		- 30	836,489,664	0.000041
100 %		- 20	836,489,731	0.000033
100 %		- 10	836,489,831	0.000021
100 %		0	836,489,840	0.000020
100 %		+ 10	836,489,932	0.000009
100 %		+ 20	836,490,007	0.000000
100 %		+ 25	836,490,015	-0.000001
100 %		+ 30	836,490,066	-0.000007
100 %		+ 40	836,490,082	-0.000009
100 %		+ 50	836,490,183	-0.000021
100 %		+ 60	836,490,275	-0.000032
85 %	N/A	+ 20	836,490,007	0.000000
115 %	N/A	+ 20	836,490,007	0.000000
BATT. ENDPOINT	N/A	+ 20	836,490,007	0.000000

7.1 Test Data (Continued)

7.3 § 2.995 FREQUENCY STABILITY



8.1 PLOT(S) OF EMISSIONS

(SEE ATTACHMENT D)

9.1 TEST EQUIPMENT

Type	Model	Cal. Due Date	S/N
Microwave Spectrum Analyzer	HP 8566B (100Hz-22GHz)	08/15/00	3638A08713
Microwave Spectrum Analyzer	HP 8566B (100Hz-22GHz)	04/17/00	2542A11898
Spectrum Analyzer/Tracking Gen.	HP 8591A (100Hz-1.8GHz)	08/10/00	3144A02458
Signal Generator	HP 8640B (500Hz-1GHz)	06/03/00	2232A19558
Signal Generator	HP 8640B (500Hz-1GHz)	06/03/00	1851A09816
Signal Generator	Rohde & Schwarz (0.1-1000MHz)	09/11/00	894215/012
Ailtech/Eaton Receiver	NM 37/57A-SL (30-1000MHz)	04/12/00	0792-03271
Ailtech/Eaton Receiver	NM 37/57A (30-1000MHz)	03/11/00	0805-03334
Ailtech/Eaton Receiver	NM 17/27A (0.1-32MHz)	09/17/00	0608-03241
Quasi-Peak Adapter	HP 85650A	08/15/00	2043A00301
Ailtech/Eaton Adapter	CCA-7 CISPR/ANSI QP Adapter	03/11/00	0194-04082
Gigatronics Universal Power Meter	8657A		1835256
Gigatronics Power Sensor	80701A (0.05-18GHz)		1833460
Signal Generator	HP 8648D (9kHz-4GHz)		3613A00315
Amplifier Research	5S1G4 (5W, 800MHz-4.2GHz)		22322
Network Analyzer	HP 8753E (30kHz-3GHz)		JP38020182
Audio Analyzer	HP 8903B		3011A09025
Modulation Analyzer	HP 8901A		2432A03467
Power Meter	HP 437B		3125U24437
Power Sensor	HP 8482H (30μW-3W)		2237A02084
Harmonic/Flicker Test System	HP 6841A (IEC 555-2/3)		3531A00115
Broadband Amplifier (2)	HP 8447D		1145A00470, 1937A03348
Broadband Amplifier	HP 8447F		2443A03784
Horn Antenna	EMCO Model 3115 (1-18GHz)		9704-5182
Horn Antenna	EMCO Model 3115 (1-18GHz)		9205-3874
Horn Antenna	EMCO Model 3116 (18-40GHz)		9203-2178
Biconical Antenna (4)	Eaton 94455/Eaton 94455-1/Singer 94455-1/Compliance Design 1295, 1332, 0355		
Log-Spiral Antenna (3)	Ailtech/Eaton 93490-1		0608, 1103, 1104
Roberts Dipoles	Compliance Design (1 set)		
Ailtech Dipoles	DM-105A (1 set)		33448-111
EMCO LISN (6)	3816/2		1079
Microwave Preamplifier 40dB Gain	HP 83017A (0.5-26.5GHz)		3123A00181
Microwave Cables	MicroCoax (1.0-26.5GHz)		
Ailtech/Eaton Receiver	NM37/57A-SL		0792-03271
Spectrum Analyzer	HP 8594A		3051A00187
Spectrum Analyzer (2)	HP 8591A		3034A01395, 3108A02053
Microwave Survey Meter	Holaday Model 1501 (2.450GHz)		80931
Digital Thermometer	Extech Instruments 421305		426966
Attenuator	HP 8495A (0-70dB) DC-4GHz		
Bi-Directional Coax Coupler	Narda 3020A (50-1000MHz)		
Shielded Screen Room	RF Lindgren Model 26-2/2-0		6710 (PCT270)
Shielded Semi-Anechoic Chamber	Ray Proof Model S81		R2437 (PCT278)
Environmental Chamber	Associated Systems Model 1025 (Temperature/Humidity)		PCT285

* Calibration traceable to the National Institute of Standards and Technology (NIST).

10.1 SAMPLE CALCULATIONS

A. ERP Sample Calculation

$$\text{Level } \mu\text{V/m @ 3 meters} = \text{Log } 10^{-1} \frac{(\text{dBm} + 107 + \text{AFCL})}{20}$$

$$\text{Log } 10^{-1} \frac{(-14 + 107 + 31.7)}{20}$$

$$1717908.4 \mu\text{V/m @ 3 meters}$$

Sample Calculation (relative to a dipole)

$$\text{ERP (dBm)} = 10 \text{ Log}_{10} \left(\frac{(r(\mu\text{V/m})1 \times 10^6)^2}{49.2/1 \times 10^{-3}} \right)$$

$$\text{ERP (dBm)} = 10 \text{ Log}_{10} \left(\frac{(3(1717908.4)1 \times 10^6)^2}{49.2/1 \times 10^{-3}} \right)$$

$$\text{ERP (dBm)} = 27.32$$

B. Emission Designator per §2.201

CDMA Sample

2M + 2DK

CDMA BW = 1.25 MHz

F = Frequency Modulation

9 = Composite Digital Info

W = Combination (Audio/Data)

Emission Designator = 1M25F9W

11.1 CONCLUSION

The data collected shows that the **TELIRAN PCMCIA Cellular Modem Card (AMPS) FCC ID: OWB1TM-0034-0001** complies with all the requirements of Parts 2 and 22 of the FCC rules.