

## 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

Symbol Technologies Inc. 1 Symbol Plaza Holtsville, NY 11742-1300 Attn: Sandy Mazzola, Regulatory Engineer cc: Dean La Rosa, Senior Design Engineer Dates of Tests: August 08, 2001 Test Report S/N: 22.210801490.H9P Test Site: PCTEST Lab, Columbia MD U.S.A.

FCC ID

### APPLICANT

## H9PSPT1833

SYMBOL TECHNOLOGIES INC.

Classification: FCC Rule Part(s): EUT Type:

Integrated Module: Trade Name/Model(s): Tx Frequency Range: Rx Frequency: Max. RF Output Power: Max. Peak SAR:

Frequency Tolerance: Emission Designator: Licensed Non-Broadcast Transmitter Worn on Body (TNT) §22.901(d), §2 Single-Mode Cellular PDA WAN Terminal w/Integrated CDPD Radio Modem Module Novatel Wireless Technologies Inc. [FCC ID: NBZNRM-6831] *SYMBOL SPT1833* 824.04 – 848.97 MHz (CDPD) 869.04 – 893.97 MHz (CDPD) 0.482 W ERP (26.83 dBm) 0.407 mW/g (1 g. avg) CDPD Body SAR; 2.490 mW/g (10 g. avg) CDPD Hand SAR 0.00025% (2.5 ppm) 30K0FXW

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.

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.862.



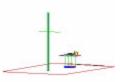


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# **MEASUREMENT REPORT**

## <u>1.1 Scope</u>



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.

## **General Information**

| Applicant Name: | SYMBOL TECHNOLOGIES INC.             |
|-----------------|--------------------------------------|
| Address:        | 1 Symbol Plaza                       |
|                 | Holtsville, NY 11742-1300            |
| Attention:      | Sandy Mazzola, Regulatory Engineer   |
| CC:             | Dean La Rosa, Senior Design Engineer |

| FCC ID:                            | H9PSPT1833  |  |
|------------------------------------|---|--|
| Trade Name:                        | SYMBOL  |  |
| Model(s):                          | SPT1833   |  |
| Quantity:                          | Quantity production is planned  |  |
| Emission Designator:               | 30K0FXW   |  |
| Tx Freq. Range:<br>Rx Freq. Range: | 824.04 – 848.97 MHz<br>869.04 – 893.97 MHz  |  |
| Equipment Class:                   | Licensed Non-Broadcast Transmitter Worn o   | on Body (TNT)  |
| Equipment Type:                    | Single-Mode Cellular PDA WAN Terminal w/<br>CDPD Radio Modem Module   | Integrated   |
| Modulation:                        | CDPD  |  |
| Frequency Tolerance:               | ± 0.00025% (2.5 ppm)  |  |
| Max. RF Output Power:              | 0.482 W ERP (26.83 dBm)   |  |
| Max. Peak SAR:                     | 0.407 mW/g (1 g. avg) CDPD Body SAR;<br>2.490 mW/g (10 g. avg) CDPD Hand SAR  |  |
| Integrated Modem Module:           | Novatel Wireless Technologies Inc.<br>FCC ID: NBZNRM-6831 (CDPD radio module  | )  |
| FCC Rule Part(s):                  | §22.201(d), §2  |  |
| Dates of Tests:                    | August 08, 2001   |  |
| Place of Tests:                    | PCTEST Lab, Columbia, MD U.S.A.   | NVLAD  |
| Test Report S/N:                   | 22.210801490.H9P  | Lab Code 100431-0  |
|                                    | <ul> <li>Trade Name:</li> <li>Model(s):</li> <li>Quantity:</li> <li>Emission Designator:</li> <li>Tx Freq. Range:</li> <li>Rx Freq. Range:</li> <li>Equipment Class:</li> <li>Equipment Type:</li> <li>Modulation:</li> <li>Frequency Tolerance:</li> <li>Max. RF Output Power:</li> <li>Max. Peak SAR:</li> <li>Integrated Modem Module:</li> <li>FCC Rule Part(s):</li> <li>Dates of Tests:</li> <li>Place of Tests:</li> </ul> | Trade Name:SYMBOLModel(s):SPT833Ouantity:Ouantity production is plannedEmission Designator:30K0FXWTx Freq. Range:824.04 - 848.97 MHzRx Freq. Range:Be9.04 - 893.97 MHzEquipment Class:Licensed Non-Broadcast Transmitter Worm of<br>CDPD Radio ModeleModulation:CDPDFrequency Tolerance:± 0.00025% (2.5 ppm)Max. RF Output Power:0.482 W ERP (26.83 dBm)Max. Peak SAR:0.407 mW/g (1 g. avg) CDPD Body SAR;<br>2.490 mW/g (10 g. avg) CDPD Hand SARFCC Rule Part(s):S22.201(d), §2Dates of Tests:August 08, 2001Pace of Tests:PCTEST Lab, Columbia, MD U.S.A. |

© 2001 PCTEST Lab SYMBOL FCC ID: H9PSPT1833 (Tx 824-849MHz) Cellular PDA WAN Terminal w/Integrated CDPD Radio Modem

## 2.1 INTRODUCTION

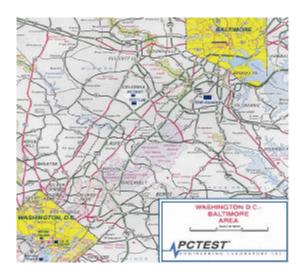


Figure 1. Map of the Greater Baltimore and Metropolitan Washington, D.C. area.

measurement tests were conducted PCTEST These at 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**

The radiated and spurious measurements were made outdoors at a 3-meter test range (see Figure2). The equipment under test is placed on a wooden turntable 3-meters from the receive antenna. The receive antenna height and turntable rotations were adjusted for the highest reading on the receive spectrum analyzer. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic antenna are taken into consideration.

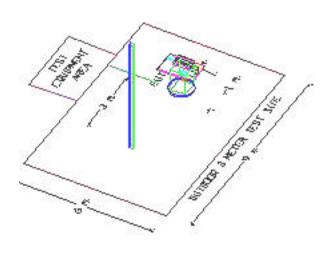


Figure 2. 3-Meter Outdoor Test Site

## **3.1 DESCRIPTION OF INSERTS**

## Function of Active Devices

The Function of active devices are shown in Attachment L.

## **Block/Schematic Diagrams (Confidential)**

The block diagrams are shown in Attachment H. The schematic diagrams are shown in Attachment I.

## **Operating Instructions**

The instruction manual is shown in Attachment L.

## Parts List & Tune-Up Procedure

The parts list & tune-up procedure are shown in Attachment J.

## **Description of Freq. Stabilization Circuit (Confidential)**

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

### Description for Suppression of Spurious Radiation, for Limiting Modulation, and Harmonic Suppression Circuits (Confidential)

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

## 4.1 DESCRIPTION OF TESTS

## 4.2 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.

## 4.3 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 provided 50% modulation.

At the input terminals of the spectrum analyzer, an isolator (RF circulator with on 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 passband filter insertion loss to be calibrated.

## **4.4 Radiation Spurious and Harmonic Emissions**

Radiation and harmonic emissions above 1 GHz is measured at out 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)

## 4.5 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 is 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 Effective Radiated Power Output

### A. POWER: Low (Analog Mode)

| Freq. Tuned | LEVEL    | POL   | ERP     | ERP      |
|-------------|----------|-------|---------|----------|
| (MHz)       | (d B m ) | (H/V) | (W)     | (d B m ) |
| 824.04      | -34.8    | V     | 0.00445 | 6.47     |
| 835.02      | -34.6    | V     | 0.00481 | 6.81     |
| 848.97      | -34.9    | V     | 0.00467 | 6.68     |

### A. POWER: High (Analog Mode)

| Freq. Tuned | LEVEL<br>(d B m ) | <b>POL</b><br>(H/V) | ERP<br>(W) | <b>ERP</b><br>(d B m ) | BATTERY  |
|-------------|-------------------|---------------------|------------|------------------------|----------|
| 824.04      | -14.80            | V                   | 0.44394    | 26.47                  | Standard |
| 835.02      | -14.60            | V                   | 0.47979    | 26.81                  | Standard |
| 848.97      | -14.90            | V                   | 0.46611    | 26.68                  | Standard |

#### NOTES:

ERP Measurements by Substitution Method:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This ERP level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic antenna are taken into consideration.

## 6.1 Test Data

## 6.2 AMPS Radiated Measurements

### Field Strength of SPURIOUS Radiation

| OPERATING FREQUENCY:   | 824.0                           | 4     | MHz     |
|------------------------|---------------------------------|-------|---------|
| CHANNEL:               | 0991 (Low)                      |       | _       |
| MEASURED OUTPUT POWER: | 26.833                          | dBm = | 0.482 W |
| MODULATION SIGNAL:     | FM (Internal)                   |       |         |
| DISTANCE:              | 3                               |       | meters  |
| LIMIT:                 | 43 + 10 log <sub>10</sub> (W) = | 39.83 | dBc     |
|                        |                                 |       |         |

| FREQ.   | LEVEL   | POL   |       |
|---------|---------|-------|-------|
| (M H z) | (dB m ) | (H/V) | (dBc) |
| 1648.08 | -81.20  | V     | 63.9  |
| 2472.12 | -92.50  | V     | 70.9  |
| 3296.16 | -95.80  | V     | 70.5  |
| 4120.20 | -115.50 | V     | 86.6  |
| 4944.24 | < -130  |       |       |
|         |         |       |       |

### NOTES:

Radiated Spurious Emission Measurements by Substitution Method: The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This spurious level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

# 6.1 Test Data (Continued)

## 6.3 AMPS Radiated Measurements

## Field Strength of SPURIOUS Radiation

| OPERATING FREQUENCY:   | 835.0                           | 2     | MHz            |
|------------------------|---------------------------------|-------|----------------|
| CHANNEL:               | 0383 (Mid)                      |       |                |
| MEASURED OUTPUT POWER: | 26.833                          | dBm = | <u>0.482</u> W |
| MODULATION SIGNAL:     | FM (Internal)                   |       |                |
| DISTANCE:              | 3                               |       | meters         |
| LIMIT:                 | 43 + 10 log <sub>10</sub> (W) = | 39.83 | dBc            |
|                        |                                 |       |                |

| FREQ.    | LEVEL   | POL   |       |
|----------|---------|-------|-------|
| (M H z ) | (dB m ) | (H/V) | (dBc) |
| 1670.04  | -81.10  | V     | 63.8  |
| 2505.06  | -92.50  | V     | 70.7  |
| 3340.08  | -95.00  | V     | 69.5  |
| 4175.10  | -112.80 | V     | 83.8  |
| 5010.12  | < -130  |       |       |
|          |         |       |       |

### NOTES:

Radiated Spurious Emission Measurements by Substitution Method: The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This spurious level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

# 6.1 Test Data (Continued)

## 6.4 AMPS Radiated Measurements

## Field Strength of SPURIOUS Radiation

| OPERATING FREQUENCY:   | 848.9                           | 7     | MHz            |
|------------------------|---------------------------------|-------|----------------|
| CHANNEL:               | 0799 (High)                     |       | _              |
| MEASURED OUTPUT POWER: | 26.833                          | dBm = | <u>0.482</u> W |
| MODULATION SIGNAL:     | FM (Internal)                   |       |                |
| DISTANCE:              | 3                               |       | meters         |
| LIMIT:                 | 43 + 10 log <sub>10</sub> (W) = | 39.83 | dBc            |
|                        |                                 |       | _              |

| FREQ.   | LEVEL   | POL   |       |
|---------|---------|-------|-------|
| (M H z) | (dB m ) | (H/V) | (dBc) |
| 1697.94 | -81.70  | V     | 64.0  |
| 2546.91 | -93.00  | V     | 71.0  |
| 3395.88 | -95.50  | V     | 69.8  |
| 4244.85 | -113.50 | V     | 84.6  |
| 5093.82 | < -130  |       |       |
|         |         |       |       |

### NOTES:

Radiated Spurious Emission Measurements by Substitution Method: The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This spurious level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

## 7.1 TEST EQUIPMENT

| Туре                              | Model Ca                        | al. Due Date          | S/N                    |
|-----------------------------------|---------------------------------|-----------------------|------------------------|
| Microwave Spectrum Analyzer       | HP 8566B (100Hz-22GHz)          | 08/15/02              | 3638A08713             |
| Microwave Spectrum Analyzer       | HP 8566B (100Hz-22GHz)          | 04/17/02              | 2542A11898             |
| Spectrum Analyzer/Tracking Gen.   | HP 8591A (100Hz-1.8GHz)         | 08/10/02              | 3144A02458             |
| Signal Generator*                 | HP 8640B (500Hz-1GHz)           | 06/03/02              | 2232A19558             |
| Signal Generator*                 | HP 8640B (500Hz-1GHz)           | 06/03/02              | 1851A09816             |
| Signal Generator*                 | Rohde & Schwarz (0.1-1000MHz)   |                       | 894215/012             |
| Ailtech/Eaton Receiver            | NM 37/57A-SL (30-1000MHz)       | 04/12/02              | 0792-03271             |
| Ailtech/Eaton Receiver            | NM 37/57A (30-1000MHz)          | 03/11/02              | 0805-03334             |
| Ailtech/Eaton Receiver            | NM 17/27A (0.1-32MHz)           | 09/17/02              | 0608-03241             |
| Quasi-Peak Adapter                | HP 85650A                       | 08/15/02              | 2043A00301             |
| Ailtech/Eaton Adapter             | CCA-7 CISPR/ANSI QP Adapter     | 03/11/02              | 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 (30 <b>m</b> W-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                      | EMC0 Model 3116 (18-40GHz)      |                       | 9203-2178              |
| Biconical Antenna (4)             | Eaton 94455/Eaton 94455-1/Si    | nger 94455-1/Compliar |                        |
| 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)         |
| Enviromental Chamber              | Associated Systems Model 1025 ( | Temperature/Humiditv) | PCT285                 |
|                                   |                                 |                       |                        |

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

## **8.1 SAMPLE CALCULATIONS**

## A. ERP Sample Calculation

Level  $\mu$ /Vm @ 3 meters = Log  $_{10}^{-1}$  (dBm + 107 + AFCL) 20

 $Log_{10}^{-1} (-14 + 107 + 31.7) \\ 20$ 

1717908.4 µ/Vm @ 3 meters

Sample Calculation (relative to a dipole) ERP (dBm) =  $10 \text{ Log}_{10} (((r(\mu V/m)1x10^6)^2/49.2/1x10^{-3}))$ ERP (dBm) =  $10 \text{ Log}_{10} (((3(1717908.4)1x10^6)^2/49.2/1x10^{-3})))$ ERP (dBm) = 27.32

## **B. Emission Designator**

**CDMA Sample** 

2M + 2DK

CDMA BW = 1.25 MHz F = Frequency Modulation 9 = Composite Digital Info W = Combination (Audio/Data)

Emission Designator = 1M25F9W

## 9.1 CONCLUSION

The data collected shows that the SYMBOL Single-Mode Cellular PDA WAN Terminal w/Integrated CDPD Radio Modem Module FCC ID: H9PSPT1833 complies with all the requirements of Parts 2 and 22 of the FCC rules.