EMC

1) Clarification of Maximum Conducted Power.

The radio submitted for SAR measurement was tuned to its maximum adjustable power setting using specialized software that is **not** available to the dealer or end user. The CPS (Customer Programming Software) available to the dealer allows the power level of each channel to be programmed to "Low Power" (1.2 watts) or "High Power" (2.75 watts) **only**.

These two power levels are factory-adjusted to a tolerance of ± 0.1 watt at several frequencies across the operating band, and this information is stored in the radio. The operating frequency of the channel being programmed is used to choose the power output setting that is appropriate for that frequency. This method gives a very accurate and predictable output power setting which is not subject to variations due to errors in customer or dealer power measurement equipment.

2) New Occupied Bandwidth Plots

New plots are attached as follows (a note stating "0 dB = 3.0 Watts" has been added to each plot):

- PAGE 6 Amended Exhibit 6F-5 2500 Hz Audio Modulation Only
- PAGE 7 Amended Exhibit 6F-5 2500 Hz Audio and TPL Modulation
- PAGE 8 Amended Exhibit 6F-5 2500 Hz Audio and DPL Modulation
- PAGE 9 Amended Exhibit 6F-5 2500 Hz Audio and Low Speed Trunking Modulation
- PAGE 10 Amended Exhibit 6F-5 DTMF Modulation Only
- PAGE 11 Amended Exhibit 6F-5 DTMF Modulation and TPL Modulation
- PAGE 12 Amended Exhibit 6F-5 DTMF Modulation and DPL Modulation
- PAGE 13 Amended Exhibit 6F-5 DTMF Modulation and Low Speed Trunking Modulation
- PAGE 14 Amended Exhibit 6F-5 2000/3000 Hz FSK Data Modulation Only
- PAGE 15 Amended Exhibit 6F-5 2000/3000 Hz FSK Data and TPL Modulation
- PAGE 16 Amended Exhibit 6F-5 2000/3000 Hz FSK Data and DPL Modulation

PAGE 17 - Amended Exhibit 6F-5 2000/3000 Hz FSK Data and Low Speed Trunking Modulation

3) Block Diagrams

Block Diagrams have been attached as follows:

- PAGE 18 Transmitter and Frequency Synthesizer Block Diagrams
- PAGE 19 Frac-N Synthesizer IC and VCO/Buffer IC Internal Block Diagrams
- PAGE 20 Transmitter Audio Path and Microcontroller Block Diagram

4) Radiated Power Testing

Radiated power is measured in accordance with TIA/EIA-603-A section 2.2.17. The data presented was corrected for losses using the substitution method, as specified in TIA/EIA-603-A section 2.2.17.2 (d). This procedure is attached:

PAGES 21-22 – TIA/EIA-603-A Procedure for Average Radiated Power Output

A photograph of the test setup for radiated power and radiated spurious emissions is attached:

PAGE 23 – OATS Radiated Power Test Setup (Photo)

The EPR data supplied as Exhibits 6A-3 and 6A-4 has been amended to show the radiated power in watts as well as dBm, and are attached:

PAGE 24 – Amended Exhibit 6A-3 - RF Output Data – ERP (746, 762 MHz) PAGE 25 – Amended Exhibit 6A-3 - RF Output Data – ERP (776, 794 MHz)

5) Radiated and Conducted Non-Harmonic Spurious Emissions

RADIATED SPURIOUS EMISSIONS

The equipment submitted for OATS Radiated Spurious Emissions Testing was initially prescreened using a GTEM (Gigahertz Transverse Electromagnetic) cell which meets the specifications of TIA/EIA-603-A section 1.5.36. IEC 60481-1 compliant signal processing software is used to convert the individual 3-axis dBµV field strength measurement into an OATS-correlatable value. The shielding of GTEM cell eliminates unwanted signals, allowing close inspection of the spurious emissions of the equipment with greater resolution and lower noise floor than is obtainable in an open area test site environment. Any measurable nonharmonically-related emissions are noted.

This pre-screening information is supplied to the agency performing the OATS measurement, allowing them to concentrate are areas where spurious emissions may be found. Note that the GTEM data itself is **not** submitted to the FCC, but only used as an aid to locate spurious emissions which may be overlooked due to ambient signal conditions in the OATS test site. For the case of the subject equipment of this application, no such non-harmonically related spurious emissions were found, and therefore were not reported.

Radiated spurious emissions measurements are performed according to the procedures of TIA/EIA-603-A section 2.2.12.2. A non-radiating load is attached directly to the antenna port of the transmitter without RF cable. Photographs of the test fixturing of the equipment are attached:

PAGE 26 – OATS Radiated Spurious Emissions Test Setup (Photo) PAGE 26 – OATS Device Under Test with Non-Radiating Load (Photo)

CONDUCTED SPURIOUS EMISSIONS

The conducted spurious emissions plots of Exhibit 6F have been amended with nonharmonically-related emissions included. All emissions are significantly within FCC limits.

> PAGE 27 – Amended Exhibit 6F-1 - 3 Watts, 746.500 MHz PAGE 28 – Amended Exhibit 6F-2 - 3 Watts, 763.000 MHz PAGE 29 – Amended Exhibit 6F-3 - 3 Watts, 776.500 MHz PAGE 30 – Amended Exhibit 6F-4 - 3 Watts, 793.000 MHz PAGE 31 – Amended Exhibit 6F-5 - 1 Watt, 746.500 MHz PAGE 32 – Amended Exhibit 6F-6 - 1 Watt, 763.000 MHz PAGE 33 – Amended Exhibit 6F-7 - 1 Watt, 776.500 MHz PAGE 34 – Amended Exhibit 6F-8 - 1 Watt, 793.000 MHz

6) Conducted Power Measurement

Conducted power is measured in accordance with accordance with TIA/EIA-603-A section 2.2.1.2. The transmitter under test is connected directly to and H-P model 435 or 438A power meter using two cascaded 20 dB attenuator pads (which also form the 50-ohm RF terminating load), without the use of an interconnecting RF cable. The calibration of the power meter, detector, and attenuator pads is verified on an annual basis. Other power measurement systems that may be used are correlated with this calibrated reference system before measurements are performed, and calibration factors are adjusted as necessary to obtain precise correlation.

A photograph of the calibrated reference power measurement setup is attached:

PAGE 35 – Conducted Power Measurement Test Set-Up

7) Reference to 220 MHz Operation

The Owner's Manual supplied with this equipment is also supplied with similar equipment operating in the 220 MHz frequency band. References to 220 MHz operation, and specifically to the 220 MHz antenna on page 101 of the Owner's Manual (Exhibit 8 Part 2 of 2) should be ignored for the subject equipment of this application.

The factory tuning procedures of Exhibit 10C are reproduced from the factory Final Test and Tune Specification, which is also applicable to similar 220 MHz equipment. All references to 220 MHz operation should be ignored for the subject equipment of this application.

8) Battery End Point Data for Frequency Stability Test

The battery end point voltage was specified as "radio reset voltage" in the lower left of the Frequency Stability vs. Supply Voltage graph of Exhibit 6H-2. The exhibit has been amended to make this parameter more prominent, and is attached:

PAGE 36 – Amended Exhibit 6H-2 – Frequency Stability vs. Supply Voltage

SAR

1) RF Safety Label

A photograph of the rear view of the transmitter is attached showing the location of the RF Safety Label. It will be co-located above the FCC ID label. The label is in accordance with TIA/EIA TSB133 (draft) as of April 3, 2002.

PAGE 37 – Rear View Showing RF Safety Label PAGE 38 – Close-up View of RF Safety Label

2) Additional User RF Exposure Training Information

Per our telephone discussion, the User Manual language satisfies the requirements of the FCC Rules. The manual provides detailed information on how the user can control RF exposure. Also, this language was accepted in previous FCC applications such as FCC ID: AZ489FT5817. It is, also, included in the proposed TSB133.

4) Data to Validate Power Drift Calculations

Please find attached the characteristic curves of the conducted power versus time for each of the batteries offered with this product:

 PAGE 39 – Transmitter Conducted Power Output vs. Time HNN9008A NiMH High Capacity Battery
PAGE 40 – Transmitter Conducted Power Output vs. Time HNN9009A NiMH Ultra High Capacity Battery
PAGE 41 – Transmitter Conducted Power Output vs. Time HNN9010A NiMH Ultra High Capacity Factory Mutual Battery
PAGE 42 – Transmitter Conducted Power Output vs. Time HNN9011A NiCd High Capacity Factory Mutual Battery
PAGE 43 – Transmitter Conducted Power Output vs. Time HNN9012A NiCd High Capacity Battery
PAGE 44 – Transmitter Conducted Power Output vs. Time HNN9013A Lilon Battery

Also, please find attached a separate file entitled "<u>Shortened scan results.pdf</u>" that presents the results obtained from the requested "shortened" S.A.R. measurements.

5) Additional Validation Data

Please find attached a separate file entitled "additional scans_photos.pdf". The full manufacturer data requested can be found on pages 1 to 6, and the S.A.R. validation plots requested can be found on pages 7 to 10 of this file.

6) Tissue Ingredients and Daily Measured Parameters for the Test Liquids

Tissue ingredients and target tissue parameters are presented in section 4.3.2 of the submitted report (Exhibit 11B, page 10). The daily measured parameters are provided in the comment sections of the scans within Appendix A and B of the submitted report (Exhibit 11B, beginning on page 19). A summary of the daily measured parameters for the test liquid is offered in the table below.

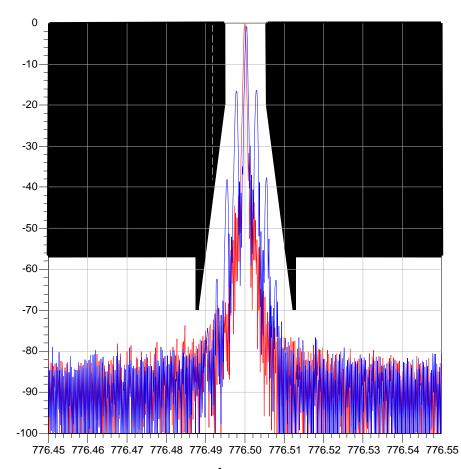
Date	Conductivity (σ) @ 835 MHZ	Dielectric Constant (εr) @ 835 MHZ	Conductivity (σ) @ 770MHZ	Dielectric Constant (εr) @ 770MHZ
2/28/2002	0.99	52.6	0.92	53.5
3/4/2002	1	54	0.93	54.5
3/8/2002	0.99	53.2	0.92	53.4
3/11/2002	0.92	42.4	0.85	43.3
3/14/2002	0.99	52.7	0.93	53.5

7) Additional Test Setup Photos for Highest SAR Configuration

Please find attached a separate file entitled "<u>additional scans_photos.pdf</u>". The additional photos requested can be found on pages 11 to 12 of this file.

8) Updated Uncertainty Table

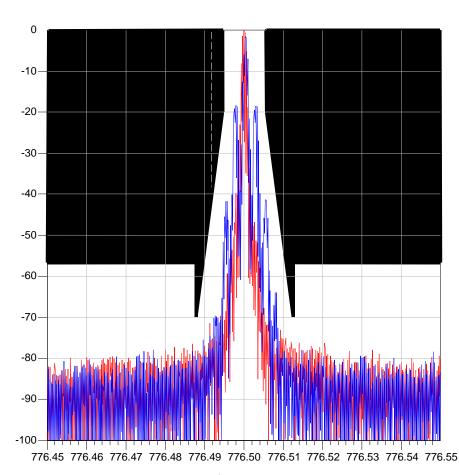
Per item #13 of the *OET 65 Supplement C EAB Part 22/24 SAR Review Reminder Sheet 01/2002* handed out during the February and April, 2002 TCB council meeting attached herein as "<u>SARremindersheet.pdf</u>", the tabulated total measurement uncertainty is nominal until the IEEE Std 1528 is completed. Much of the required information has to be supplied by the equipment manufacturer, which has not yet been officially supplied. Other items are based on results of studies currently underway. Our work is scheduled to be completed by the time IEEE P1528 is ratified and released. The total measurement uncertainty of +/-12.1 % (K=1) was stated in section 6.0 on page 14 of Exhibit 11B of the original filing.



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH EMISSION MASK: D

freq,

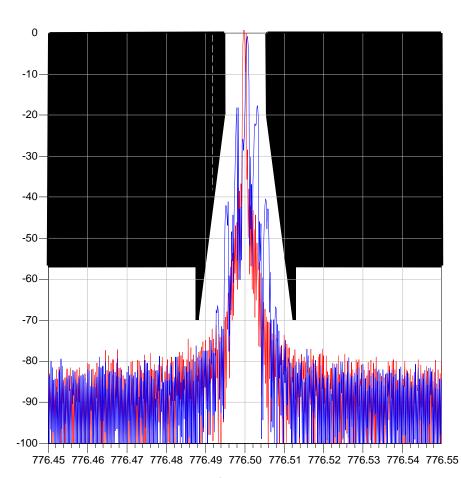
CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, 2500 Hz TONE, TPL 250.3 Hz EMISSION MASK: D

freq,

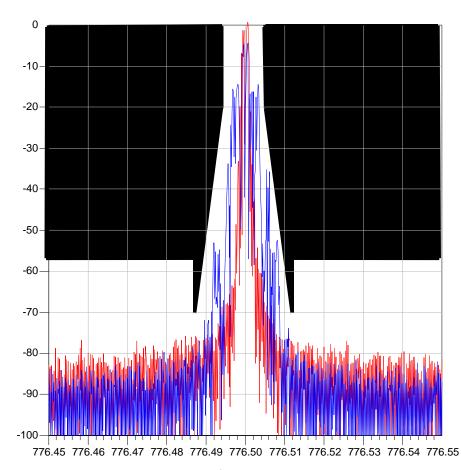
CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, 2500 Hz TONE, DPL 131 EMISSION MASK: D

freq,

CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:

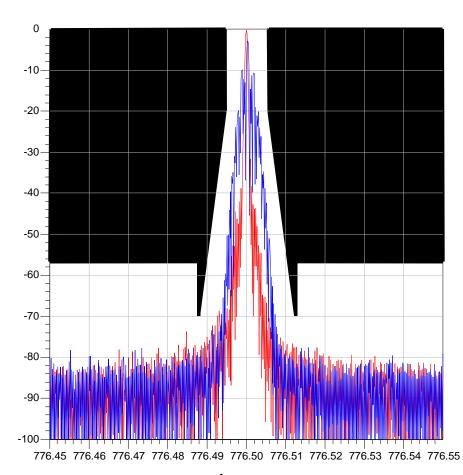


OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, 2500 Hz TONE, LOW SPEED TRUNKING EMISSION MASK: D

freq,

CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION: 776.500 MHz 300 Hz 3 kHz 100 kHz 10 kHz/div 2 Sec. 10 dB/div 0 dBm = 3.0 Watts 30 dB

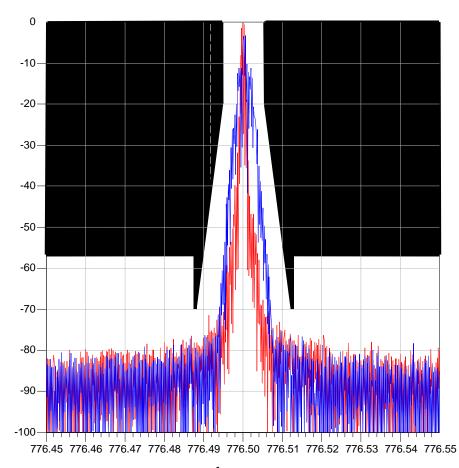
> ADDENDUM A PAGE 9 OF 44



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, DTMF MODULATION, CARRIER SQUELCH EMISSION MASK: D

freq,

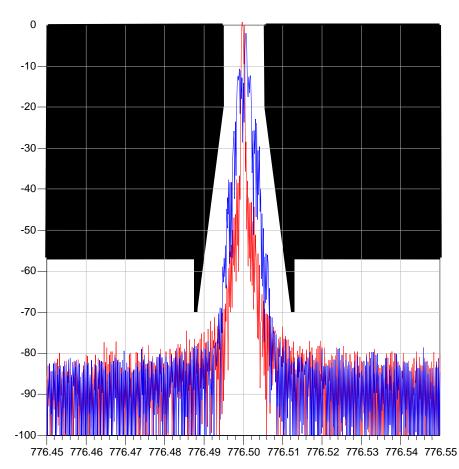
CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, DTMF MODULATION, TPL 250.3 Hz EMISSION MASK: D

freq,

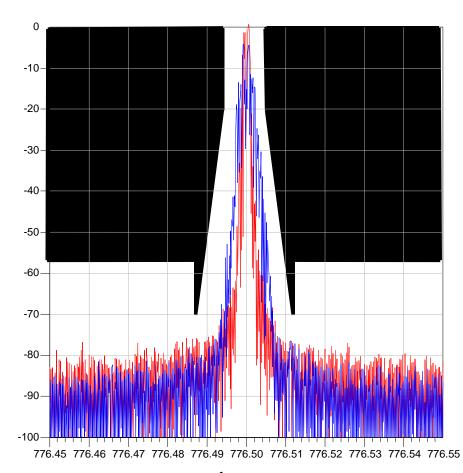
CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, DTMF MODULATION, DPL 131 EMISSION MASK: D

freq,

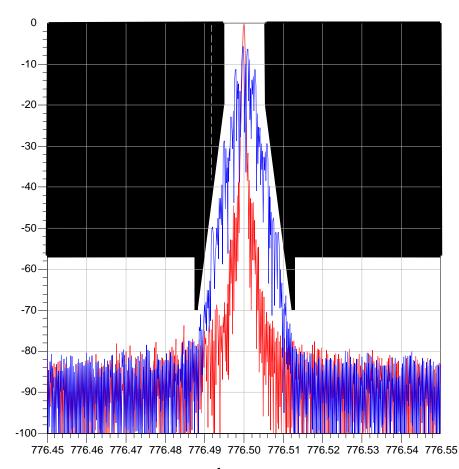
CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, DTMF MODULATION, LOW SPEED TRUNKING EMISSION MASK: D

freq,

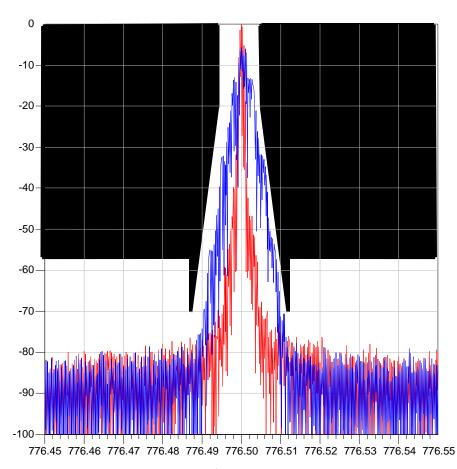
CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, 2000/3000 Hz FSK, CARRIER SQUELCH EMISSION MASK: D

freq,

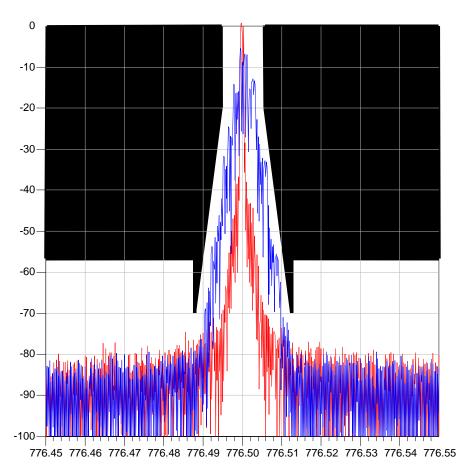
CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, 2000/3000 Hz FSK, TPL 250.3 Hz EMISSION MASK: D

freq,

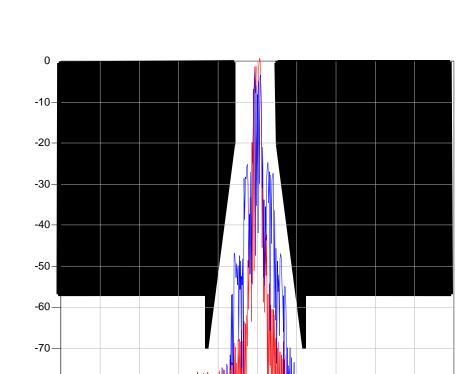
CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, 2000/3000 Hz FSK, DPL 131 EMISSION MASK: D

freq,

CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:



OCCUPIED BANDWIDTH MEASUREMENT FOR 12.5 kHz CHANNEL SPACING, 2000/3000 Hz FSK, LOW SPEED TRUNKING EMISSION MASK: D

-80 -90 -100 -776.45 776.46 776.47 776.48 776.49 776.50 776.51 776.52 776.53 776.54 776.55

freq,

CENTER FREQUENCY: RESOLUTION BANDWIDTH: VIDEO BANDWIDTH: SPAN: HORIZONTAL SCALE: SWEEP TIME: VERTICAL SCALE: REFERENCE LEVEL: ATTENUATION:

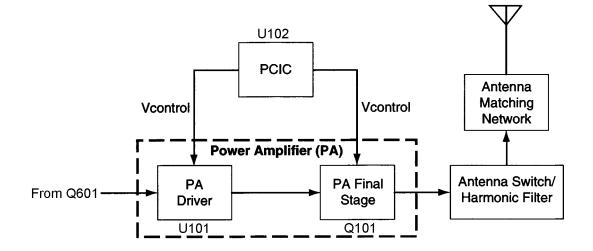


Figure 1 – Transmitter Block Diagram

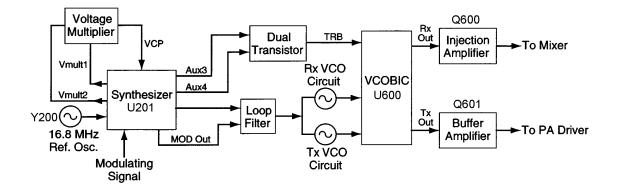


Figure 2 – Frequency Generation Block Diagram

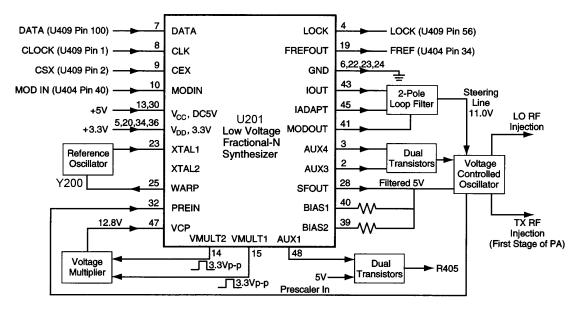


Figure 3 – Fractional-N Synthesizer IC Internal Block Diagram

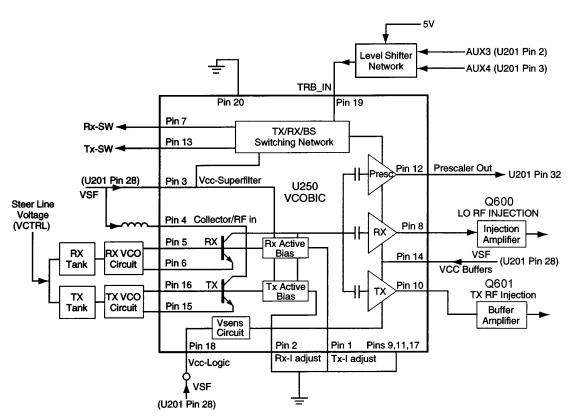


Figure 4 – VCO/Buffer IC Internal Block Diagram

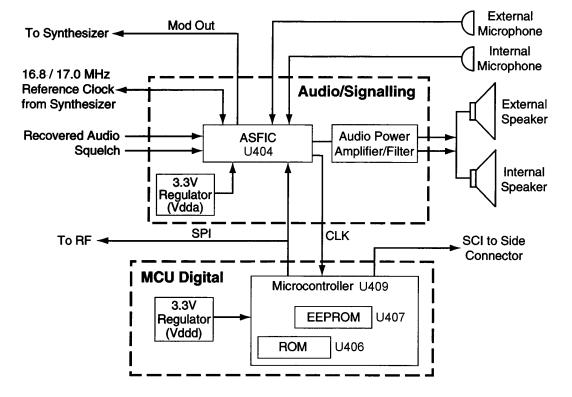


Figure 5 – Transmitter Audio Path and Microcontroller Block Diagram

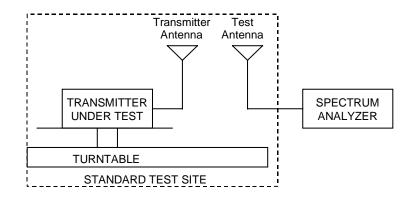
EIA/TIA-603-A PROCEDURE FOR RADIATED POWER MEASUREMENT

2.2.17 Average Radiated Power Output

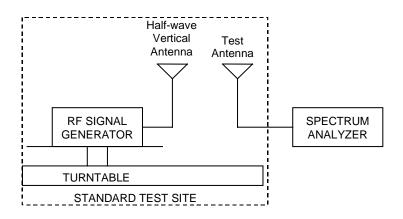
2.2.17.1 Definition

The average radiated power of a licensed device is the equivalent power required, when delivered to a half-wave dipole antenna, to produce at a distant point the same average received power as produced by the licensed device.

2.2.17.2 Method of Measurement



- a) Connect the equipment as illustrated. Place the transmitter to be tested on the turntable in the standard test site.
- b) Raise and lower the test antenna from 1 m to 6 m with the transmitter facing the antenna and record the highest received signal in dB as LVL_i .
- c) Repeat step b) for seven additional readings at 45° interval positions of the turn table.



d) Replace the transmitter under test with a half-wave vertically polarized antenna. The center of the antenna should be at the same location as the transmitter under test. Connect the antenna to a signal generator with a known output power and record the path loss in dB as *LOSS*.

EIA/TIA-603-A PROCEDURE FOR RADIATED POWER MEASUREMENT (cont'd)

e) Calculate the average radiated output power from the readings in step c) and d) by the following:

average radiated power =
$$10 \log_{10} \sum_{i=1}^{i=8} 10^{\frac{LVL_i - LOSS}{10}}$$
 (dBm)

NOTE: It is permissible to use other antennas provided they can be referenced to a dipole.



Figure 6 – OATS Radiated Power Test Setup

RF OUTPUT DATA – EFFECTIVE RADIATED POWER

Following are amended Exhibits 6A-3 and 6A-4, with Effective Radiated Power expressed in both dBm and Watts:

Polarization	Frequency (MHz)	Turntable Degrees	Path Loss (dB)	Radiated Spur Emission (dBm)	Radiated Spur Emission (Watts ERP)
Horizontal	746	0	40.15	12.65	0.018
Horizontal	746	45	40.15	11.46	0.014
Horizontal	746	90	40.15	7.14	0.005
Horizontal	746	135	40.15	12.11	0.016
Horizontal	746	180	40.15	10.31	0.011
Horizontal	746	225	40.15	15.14	0.033
Horizontal	746	270	40.15	8.48	0.007
Horizontal	746	315	40.15	15.57	0.036
Vertical	746	0	41.57	30.66	1.164
Vertical	746	45	41.57	30.35	1.084
Vertical	746	90	41.57	28.84	0.766
Vertical	746	135	41.57	29.27	0.845
Vertical	746	180	41.57	30.45	1.109
Vertical	746	225	41.57	31.53	1.422
Vertical	746	270	41.57	30.74	1.186
Vertical	746	315	41.57	30.78	1.199

Polarization	Frequency (MHz)	Turntable Degrees	Path Loss (dB)	Radiated Spur Emission (dBm)	Radiated Spur Emission (Watts ERP)
Horizontal	762	0	39.77	11.96	0.016
Horizontal	762	45	39.77	10.47	0.011
Horizontal	762	90	39.77	10.21	0.010
Horizontal	762	135	39.77	12.28	0.017
Horizontal	762	180	39.77	11.41	0.014
Horizontal	762	225	39.77	15.24	0.033
Horizontal	762	270	39.77	8.42	0.007
Horizontal	762	315	39.77	14.5	0.282
Vertical	762	0	41.08	30.48	1.117
Vertical	762	45	41.08	30.82	1.208
Vertical	762	90	41.08	29.29	0.849
Vertical	762	135	41.08	30.45	1.109
Vertical	762	180	41.08	31.52	1.419
Vertical	762	225	41.08	32.09	1.618
Vertical	762	270	41.08	30.79	1.199
Vertical	762	315	41.08	30.93	1.239

Polarization	Frequency (MHz)	Turntable Degrees	Path Loss (dB)	Radiated Spur Emission (dBm)	Radiated Spur Emission (Watts ERP)
Horizontal	776	0	39.46	13.96	0.025
Horizontal	776	45	39.46	9.94	0.009
Horizontal	776	90	39.46	9.87	0.009
Horizontal	776	135	39.46	12.01	0.016
Horizontal	776	180	39.46	12.17	0.016
Horizontal	776	225	39.46	13.87	0.024
Horizontal	776	270	39.46	8.21	0.007
Horizontal	776	315	39.46	14.9	0.031
Vertical	776	0	40.77	30.88	1.125
Vertical	776	45	40.77	31.49	1.409
Vertical	776	90	40.77	29.39	0.869
Vertical	776	135	40.77	29.94	0.986
Vertical	776	180	40.77	30.97	1.250
Vertical	776	225	40.77	31.98	1.578
Vertical	776	270	40.77	31.01	1.262
Vertical	776	315	40.77	31.45	1.396

RF OUTPUT DATA – EFFECTIVE RADIATED POWER (continued)

Polarization	Frequency (MHz)	Turntable Degrees	Path Loss (dB)	Radiated Spur Emission (dBm)	Radiated Spur Emission (Watts ERP)
Horizontal	794	0	39.17	13.95	0.025
Horizontal	794	45	39.17	13.01	0.020
Horizontal	794	90	39.17	9.25	0.008
Horizontal	794	135	39.17	11.95	0.015
Horizontal	794	180	39.17	14.09	0.026
Horizontal	794	225	39.17	13.3	0.021
Horizontal	794	270	39.17	9.58	0.009
Horizontal	794	315	40.37	14.53	0.028
Vertical	794	0	40.37	30.61	1.151
Vertical	794	45	40.37	30.89	1.227
Vertical	794	90	40.37	29.25	0.841
Vertical	794	135	40.37	29.78	0.951
Vertical	794	180	40.37	30.75	1.189
Vertical	794	225	40.37	31.41	1.384
Vertical	794	270	40.37	30.09	1.021
Vertical	794	315	40.37	30.21	1.050



Figure 7 – OATS Radiated Spurious Emissions Test Setup

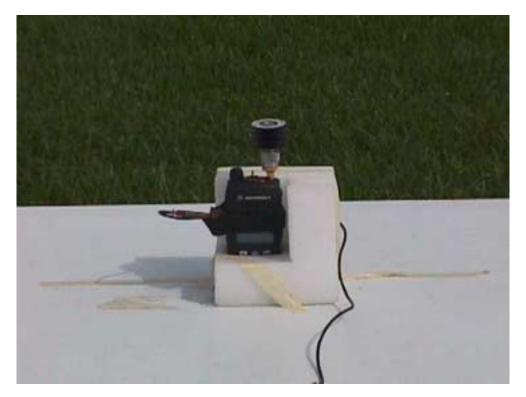
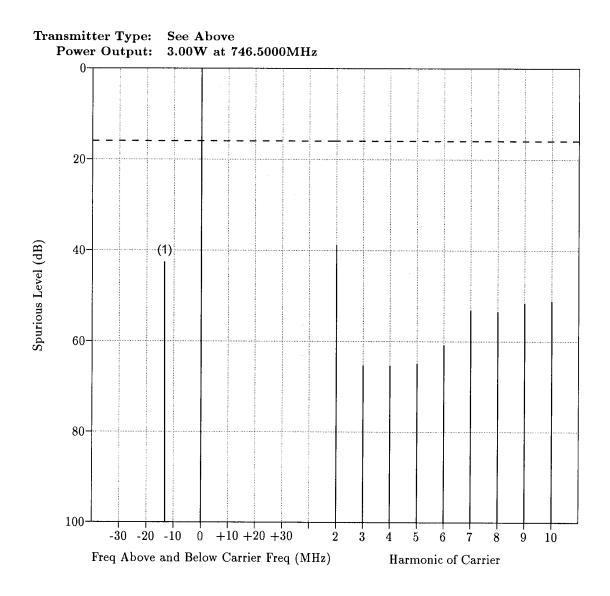


Figure 8 – OATS Device Under Test with Non-Radiating Load

ADDENDUM A PAGE 26 OF 44

CONDUCTED SPURIOUS EMISSIONS HIGH POWER, 746.500 MHz

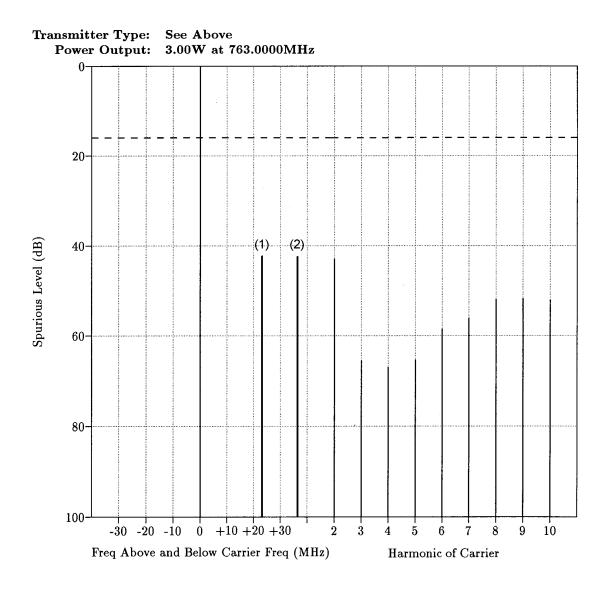


The conducted spurious level is plotted in dBm on the vertical axis. The specification for conducted spurious emissions is -16 dBm.

(1) Spurious emission at 734.4 MHz (12.1 MHz below carrier) at a level of -42.5 dBm

AMENDED EXHIBIT 6F-1

CONDUCTED SPURIOUS EMISSIONS HIGH POWER, 763.000 MHz



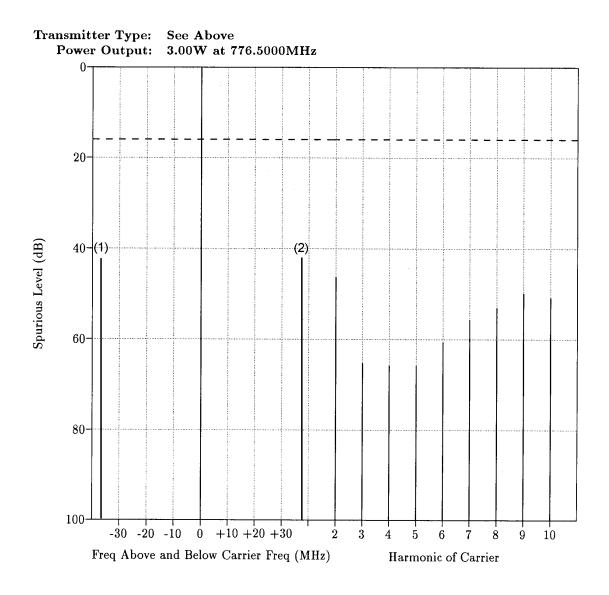
The conducted spurious level is plotted in dBm on the vertical axis. The specification for conducted spurious emissions is -16 dBm.

(1) Spurious emission at 785.9 MHz (22.9 MHz above carrier) at a level of -42.0 dBm (2) Spurious emission at 813.2 MHz (50.2 MHz above carrier) at a level of -42.1 dBm

AMENDED EXHIBIT 6F-2

ADDENDUM A PAGE 28 OF 44

CONDUCTED SPURIOUS EMISSIONS HIGH POWER, 776.500 MHz



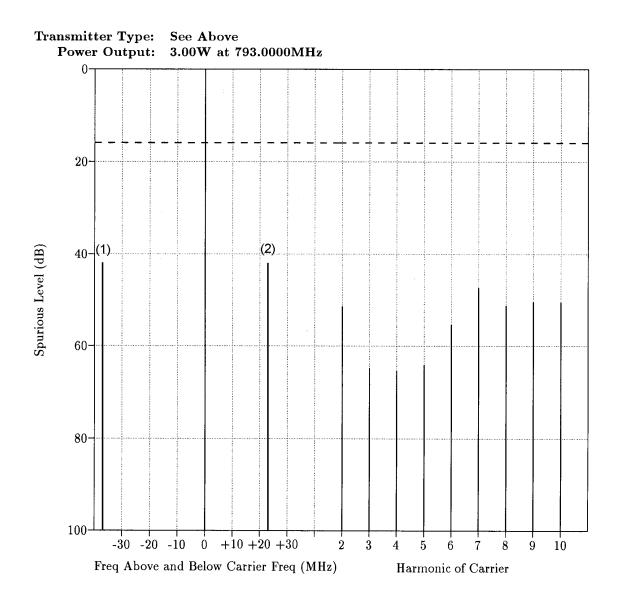
The conducted spurious level is plotted in dBm on the vertical axis. The specification for conducted spurious emissions is -16 dBm.

(1) Spurious emission at 735.2 MHz (41.3 MHz below carrier) at a level of -42.3 dBm (2) Spurious emission at 863.9 MHz (87.4 MHz above carrier) at a level of -41.8 dBm

AMENDED EXHIBIT 6F-3

ADDENDUM A PAGE 29 OF 44

CONDUCTED SPURIOUS EMISSIONS HIGH POWER, 793.000MHz



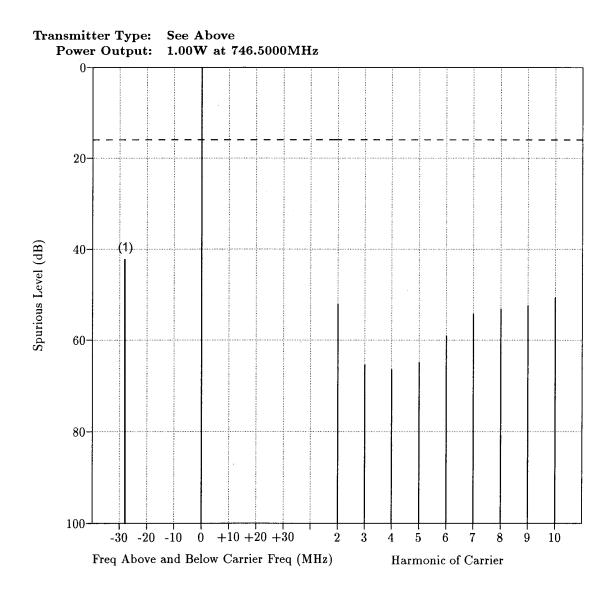
The conducted spurious level is plotted in dBm on the vertical axis. The specification for conducted spurious emissions is -16 dBm.

(1) Spurious emission at 739.6 MHz (53.4 MHz below carrier) at a level of -42.2 dBm (2) Spurious emission at 815.2 MHz (22.2 MHz above carrier) at a level of -42.0 dBm

AMENDED EXHIBIT 6F-4

ADDENDUM A PAGE 30 OF 44

CONDUCTED SPURIOUS EMISSIONS LOW POWER, 746.500 MHz

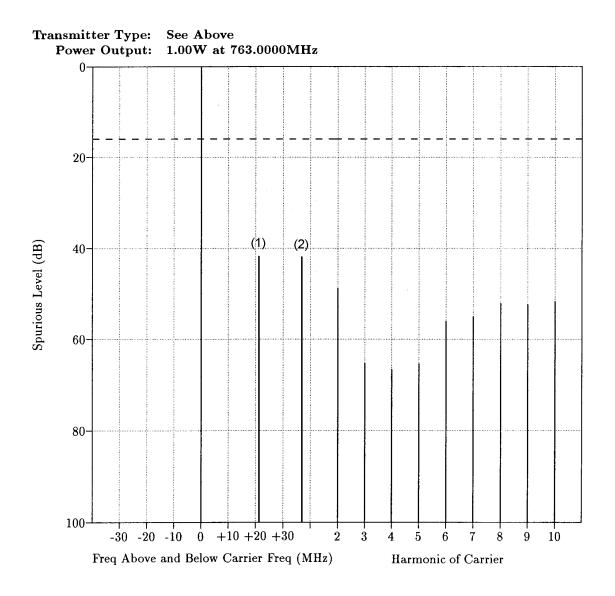


The conducted spurious level is plotted in dBm on the vertical axis. The specification for conducted spurious emissions is -16 dBm.

(1) Spurious emission at 718.5 MHz (28.0 MHz below carrier) at a level of -42.4 dBm

AMENDED EXHIBIT 6F-5

CONDUCTED SPURIOUS EMISSIONS LOW POWER, 763.000 MHz



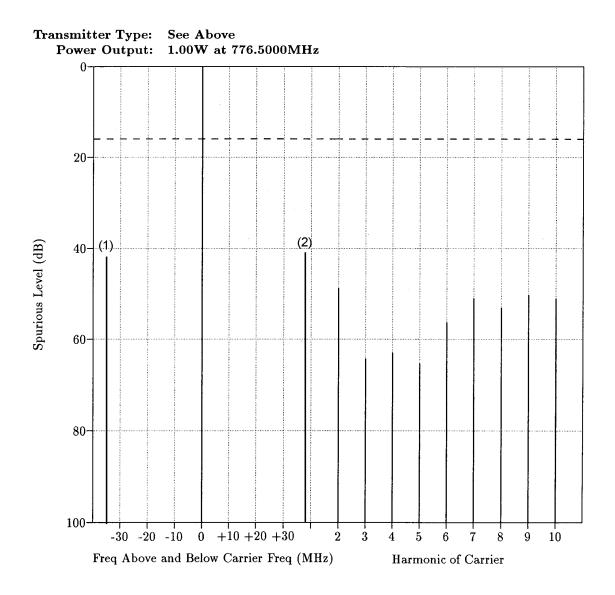
The conducted spurious level is plotted in dBm on the vertical axis. The specification for conducted spurious emissions is -16 dBm.

(1) Spurious emission at 783.6 MHz (20.6 MHz above carrier) at a level of -42.1 dBm (2) Spurious emission at 820.8 MHz (57.8 MHz above carrier) at a level of -42.2 dBm

AMENDED EXHIBIT 6F-6

ADDENDUM A PAGE 32 OF 44

CONDUCTED SPURIOUS EMISSIONS LOW POWER, 776.500 MHz



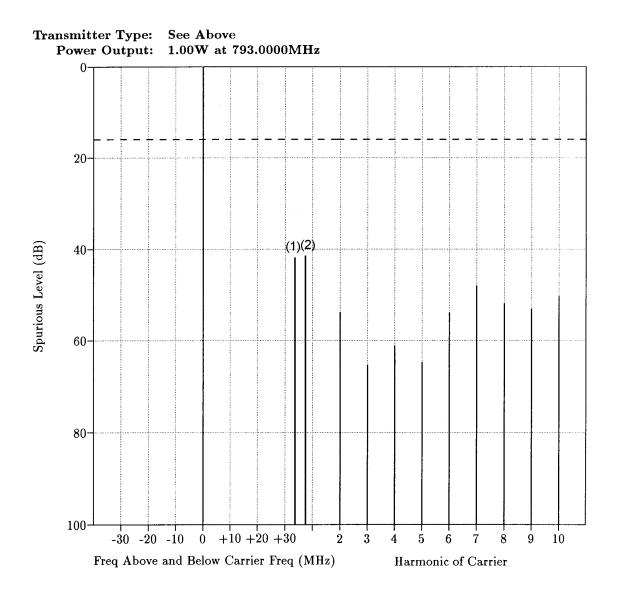
The conducted spurious level is plotted in dBm on the vertical axis. The specification for conducted spurious emissions is -16 dBm.

(1) Spurious emission at 741.3 MHz (35.2 MHz below carrier) at a level of -42.3 dBm (2) Spurious emission at 860.0 MHz (83.5 MHz above carrier) at a level of -41.8 dBm

AMENDED EXHIBIT 6F-7

ADDENDUM A PAGE 33 OF 44

CONDUCTED SPURIOUS EMISSIONS LOW POWER, 793.000 MHz



The conducted spurious level is plotted in dBm on the vertical axis. The specification for conducted spurious emissions is -16 dBm.

(1) Spurious emission at 759.0 MHz (34.0 MHz above carrier) at a level of -42.1 dBm (2) Spurious emission at 844.2 MHz (51.0 MHz above carrier) at a level of -41.8 dBm

AMENDED EXHIBIT 6F-8

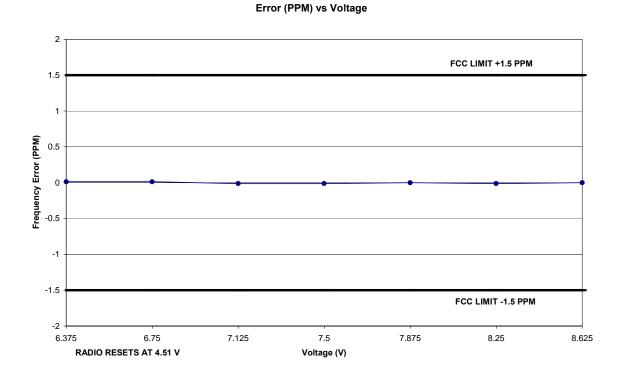
ADDENDUM A PAGE 34 OF 44



Figure 9– Conducted Power Measurement Test Setup

FREQUENCY STABILITY VS. SUPPLY VOLTAGE REFERENCE 0% = 7.5 VOLTS DC

FREQUENCY STABILITY



Battery End-Point Voltage: The radio resets at 4.51 volts.

AMENDED EXHIBIT 6H-2



Figure 10 – Rear View Showing RF Safety Label

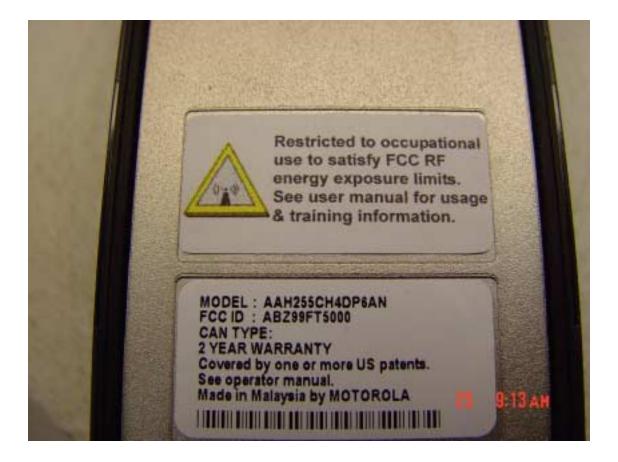
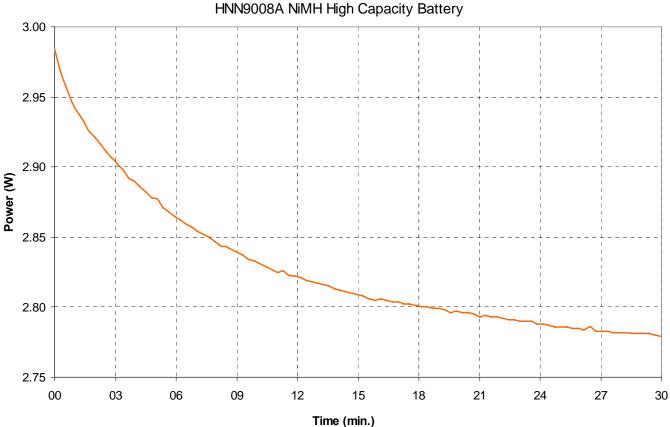
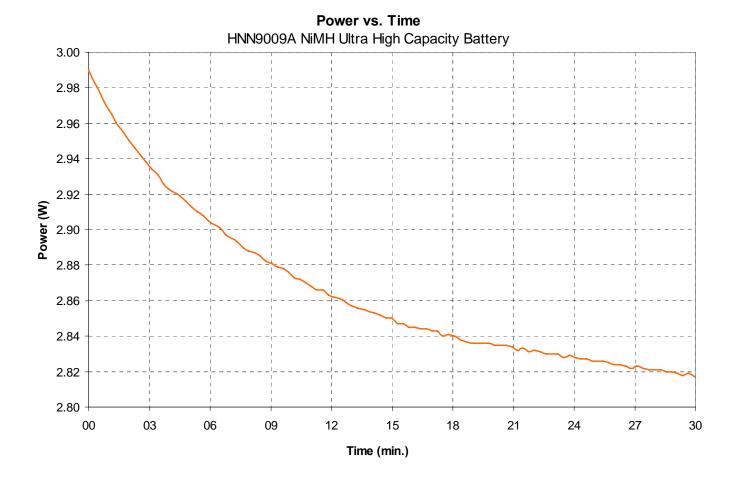


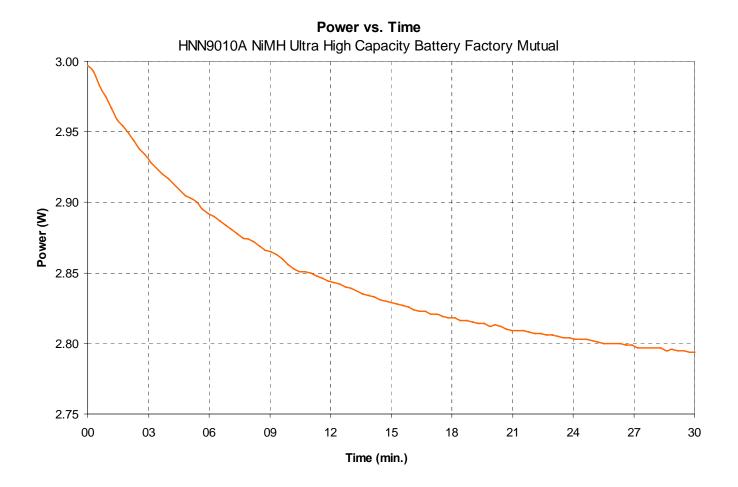
Figure 11 – Close-Up View of RF Safety Label

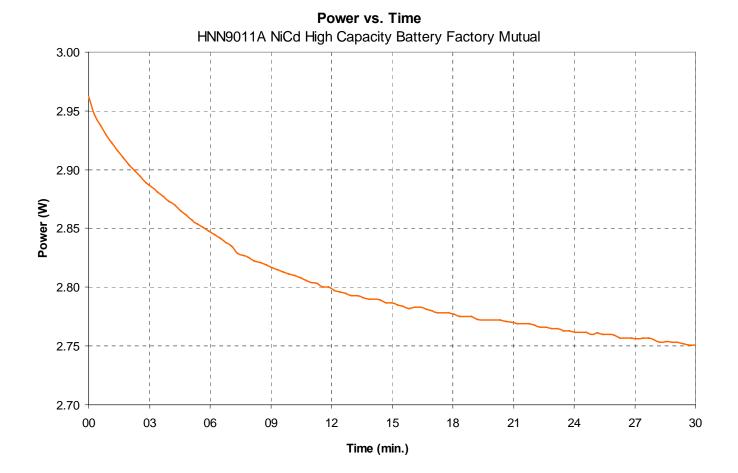
All batteries were fully charged before the test was conducted. Power was initially set to 2.997 watts using the HNN9010A NiMH Ultra High Capacity Battery Factory Mutual Battery.

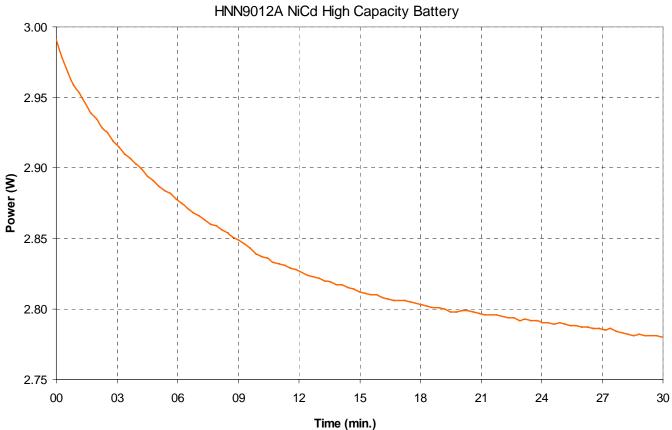


Power vs. Time

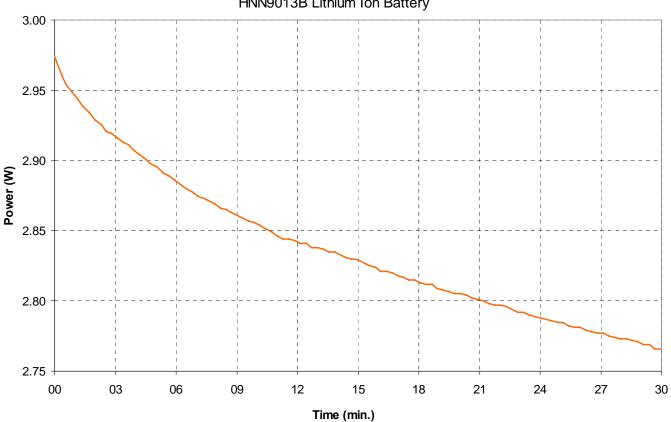








Power vs. Time



Power vs. Time HNN9013B Lithium Ion Battery