



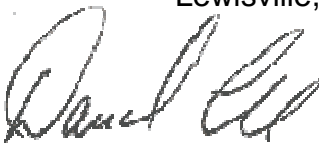
Nemko Test Report: 3004RUS1rev2

Applicant: STEMCO LP
300 Industrial Blvd.
Longview, Texas 75604
USA

**Equipment Under Test:
(E.U.T.)** 840-0000

In Accordance With: **FCC Part 15, Subpart C, 15.247**
Digital Transmission System Transmitter

Tested By: Nemko USA, Inc.
802 N. Kealy
Lewisville, Texas 75057-3136

TESTED BY: 
David Light, Senior Wireless Engineer **DATE:** 04 February 2007

APPROVED BY: 
Kevin Rose, Senior Wireless Engineer **DATE:** 04 February 2007

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EQUIPMENT: 840-0000

Section 1. Summary of Test Results

Manufacturer: STEMPCO, LLP

Model No.: 840-0000

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 Part 15, Subpart C, Paragraph 15.247 for Digital Transmission Systems. Radiated tests were conducted in accordance with ANSI C63.4-2003. Radiated emissions are made on an open area test site. A description of the test facility is on file with the FCC.

- | | | | |
|-------------------------------------|----------------------------|-------------------------------------|---------------------|
| <input checked="" type="checkbox"/> | New Submission | <input checked="" type="checkbox"/> | Production Unit |
| <input type="checkbox"/> | Class II Permissive Change | <input type="checkbox"/> | 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".



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Summary Of Test Data

NAME OF TEST	PARA. NO.	RESULT
Powerline Conducted Emissions	15.207(a)	NA (2)
Minimum 6 dB Bandwidth	15.247(a)(2)	Complies (1)
Maximum Peak Power Output	15.247(b)(3)	Complies (1)
Spurious Emissions	15.247(d) / 15.205	Complies (1)
Peak Power Spectral Density	15.247(e)	Complies (1)

Footnotes:

- 1) All measurements were made radiated using the signal substitution method.
The device has an integral antenna

- 2) This device is battery powered.

Section 2. Equipment Under Test (E.U.T.)

General Equipment Information

Frequency Band (MHz):	902-928	2400-2483.5	5725-5850
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Operating Frequency of Test Sample: 2404 to 2478 MHz

Channel Spacing: 1 MHz

Input Power: 1.5 Vdc AA battery

User Frequency Adjustment: Software controlled

Description of EUT

Trailer mounted transmitter used for tracking.

EQUIPMENT: 840-0000

Section 3. Occupied Bandwidth

NAME OF TEST: Occupied Bandwidth	PARA. NO.: 15.247(a)(2)
TESTED BY: David Light	DATE: 04 February 2007

Test Results: Complies.

Measurement Data: See 6 dB BW plot

Measured 6 dB bandwidth: 880 kHz Max
Channel Separation: 1 MHz

Test Conditions: 36 %RH
23 °C

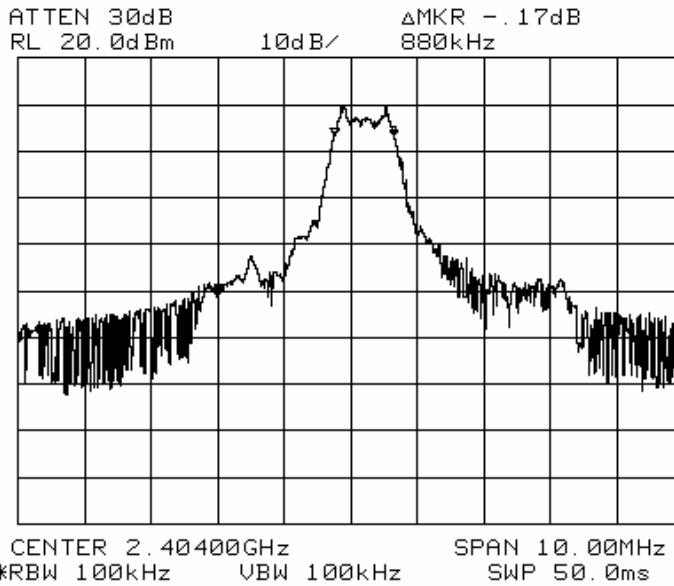
Measurement Uncertainty: +/-1x10⁻⁷ ppm

Test Equipment Used: 1464-1484-1485-1016-993

Test Data – Occupied Bandwidth

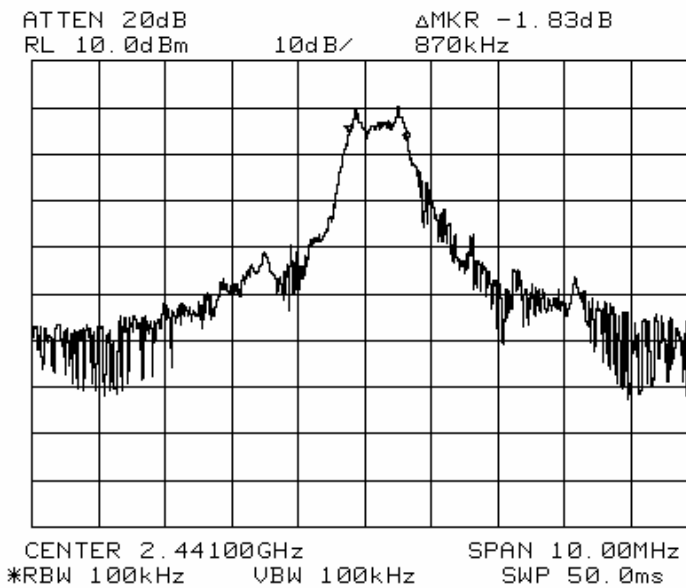
6 dB Bandwidth

Low channel



6dB Bandwidth

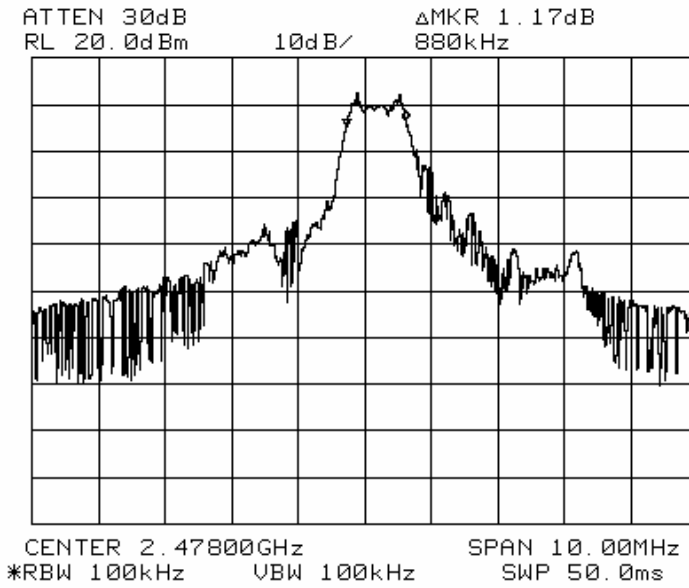
Mid channel



EQUIPMENT: 840-0000

Test Data – Occupied Bandwidth

6 dB Bandwidth
High channel



Section 4. Maximum Peak Output Power

NAME OF TEST: Maximum Peak Output power	PARA. NO.: 15.247(b)(3)
TESTED BY: David Light	DATE: 04 February 2007

Test Results: Complies.

Measurement Data:

Frequency (MHz)	Meter Reading (dBm)	Substitution Level (dBm)	Substitution Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2404	-10.3	-8.2	7.8	-0.4	36.0	-36.4
2441	-9.6	-7.5	7.8	0.3	36.0	-35.7
2478	-17.6	-15.5	7.8	-7.7	36.0	-43.7

EIRP level is equal to the Substitution Level (dBm) + Substitution Antenna Gain (dBi)

Calculated conducted peak power is equal to approximately -2.7 dBm based on manufactures stated antenna gain of 3 dBi. (0.3 dBm - 3 dBi = -2.7 dBm)

Analyzer Settings: RBW=VBW=1 MHz

Test Conditions: 36 %RH
 20 °C

Measurement Uncertainty: +/-1.7 dB

Test Equipment Used: 1464-1484-1485-1016-993

- For battery powered equipment, the device was tested with a fresh battery per 15.31(e).
- The device was tested on three channels per 15.31(m).
- This test was performed radiated.

EQUIPMENT: 840-0000

Section 5. Radiated Emissions

NAME OF TEST: Radiated Emissions	PARA. NO.: 15.247 (d)
TESTED BY: David Light	DATE: 04 February 2007

Test Results: Complies.

Measurement Data: See attached table.

Test Conditions: 36 %RH
23 °C

Measurement Uncertainty: +/-1.7 dB

Test Equipment Used: 1464-1484-1485-1016-993-1082-759-1195-791

Notes:

- The EUT was tested on three orthogonal axis'
- The device was tested from 30 MHz to the tenth harmonic of the highest fundamental frequency per 15.33
- The device was tested on three channels per 15.31(m).
- All emissions within 20 dB of the specification limit are reported per 15.31(o).

RBW=VBW=100 kHz below 1000 MHz
RBW=VBW=1 MHz above 1000 MHz (Peak)
All measurements were made using a peak detector.

Duty Cycle Calculation:

$$\text{Duty Cycle} = 20 \log (\text{TX ON}/100 \text{ mS}) = 20 \log (0.9/100) = -40.9 \text{ dB}$$

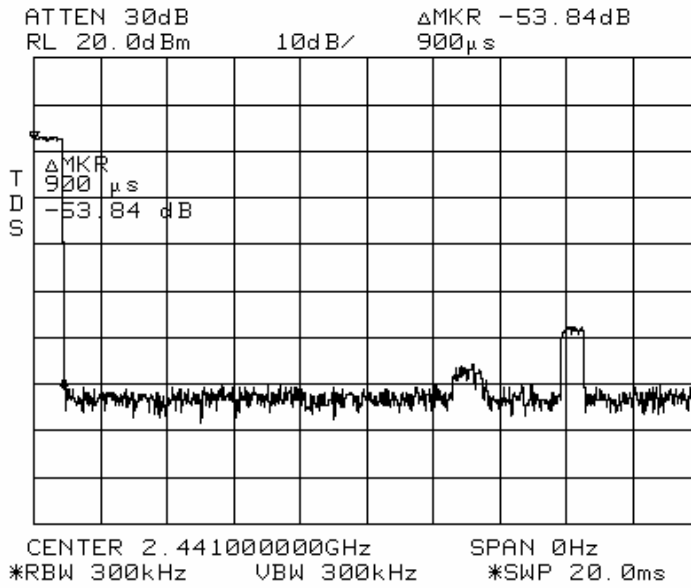
Refer to attached plot(s)

EQUIPMENT: 840-0000

Duty Cycle

Pulse width

900 μs

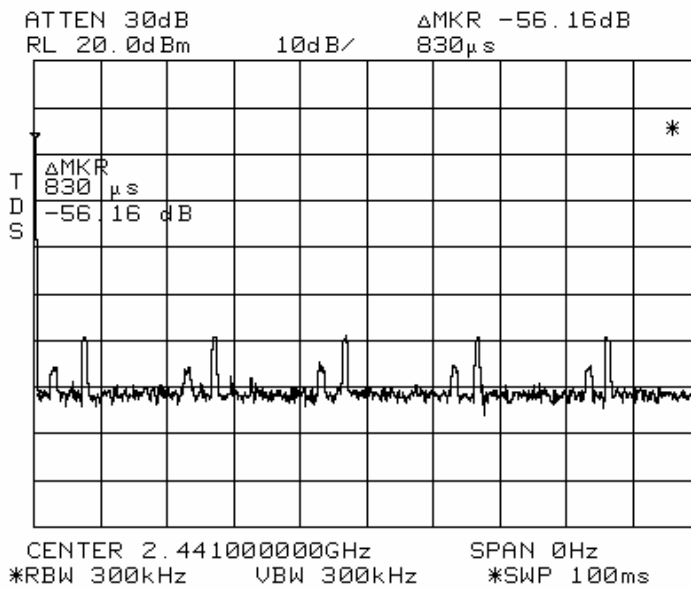


Duty Cycle Calculation

1 pulse in 100 mS

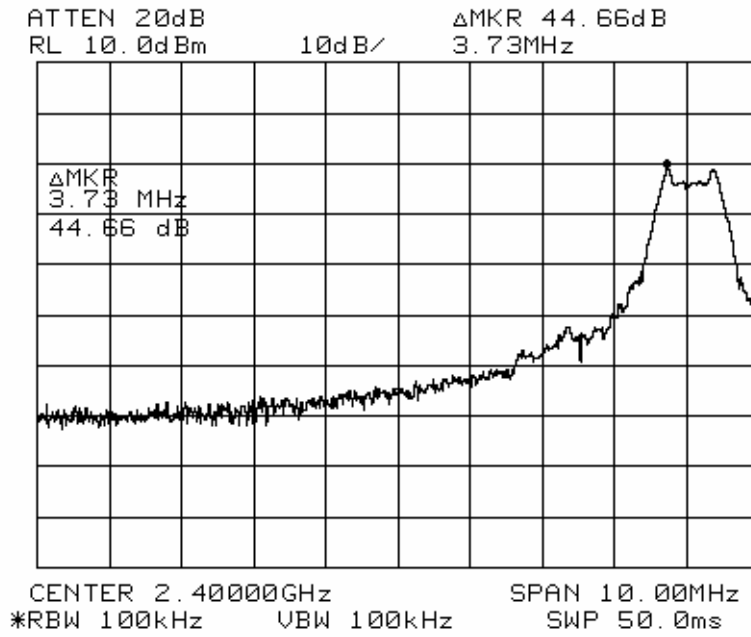
DC (dB) = 20 log (Time On/100 mS)

-40.9 dB = 20 log (0.9/100)



EQUIPMENT: 840-0000

Lower band Edge



EQUIPMENT: 840-0000

Radiated Emissions

Low Channel

Measurement Data:		Reading listed by order taken.						Test Distance: 3 Meters				
#	Freq MHz	Rdng dBµV	Duty dB	Cable dB	Cable dB	Pre-A dB	Horn dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4808.000	53.2	+1.0	+3.2	+3.2	-32.5	+33.1	+0.0	58.0	74.0	-16.0	Vert
	Peak		+0.0									
2	4808.000	53.2	+1.0	+3.2	+3.2	-32.5	+33.1	+0.0	17.1	54.0	-36.9	Vert
	Average		-40.9									
3	7212.000	41.8	+1.2	+3.9	+3.9	-32.1	+35.8	+0.0	50.6	74.0	-23.4	Vert
	Peak		+0.0									
4	7212.000	41.8	+1.2	+3.9	+3.9	-32.1	+35.8	+0.0	9.7	54.0	-44.3	Vert
	Average		-40.9									
5	9616.000	45.2	+1.1	+4.7	+4.7	-35.8	+37.1	+0.0	52.3	74.0	-21.7	Vert
	Peak		+0.0									
6	9616.000	45.2	+1.1	+4.7	+4.7	-35.8	+37.1	+0.0	11.4	54.0	-42.6	Vert
	Average		-40.9									
7	4808.000	57.0	+1.0	+3.2	+3.2	-32.5	+33.1	+0.0	61.8	74.0	-12.2	Horiz
	Peak		+0.0									
8	4808.000	57.0	+1.0	+3.2	+3.2	-32.5	+33.1	+0.0	20.9	54.0	-33.1	Horiz
	Average		-40.9									
9	7212.000	44.3	+1.2	+3.9	+3.9	-32.1	+35.8	+0.0	53.1	74.0	-20.9	Horiz
	Peak		+0.0									
10	7212.000	44.3	+1.2	+3.9	+3.9	-32.1	+35.8	+0.0	12.2	54.0	-41.8	Horiz
	Average		-40.9									
11	9616.000	45.7	+1.1	+4.7	+4.7	-35.8	+37.1	+0.0	52.8	74.0	-21.2	Horiz
	Peak		+0.0									
12	9616.000	45.7	+1.1	+4.7	+4.7	-35.8	+37.1	+0.0	11.9	54.0	-42.1	Horiz
	Average		-40.9									

EQUIPMENT: 840-0000

Radiated Emissions

Mid Channel

Measurement Data:		Reading listed by order taken.						Test Distance: 3 Meters				
#	Freq MHz	Rdng dBµV	Cable Duty dB	Cable dB	Pre-A dB	Horn dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant	
1	4882.000	61.3	+1.0	+3.3	-32.6	+33.4	+0.0	66.4	74.0	-7.6	Horiz	
	Peak		+0.0									
2	4882.000	61.3	+1.0	+3.3	-32.6	+33.4	+0.0	25.5	54.0	-28.5	Horiz	
	Average		-40.9									
3	7323.000	47.5	+1.2	+4.0	-32.3	+35.8	+0.0	56.2	74.0	-17.8	Horiz	
	Peak		+0.0									
4	7323.000	47.5	+1.2	+4.0	-32.3	+35.8	+0.0	15.3	54.0	-38.7	Horiz	
	Average		-40.9									
5	9764.000	49.7	+1.1	+4.9	-36.1	+37.2	+0.0	56.8	74.0	-17.2	Horiz	
	Peak		+0.0									
6	9764.000	49.7	+1.1	+4.9	-36.1	+37.2	+0.0	15.9	54.0	-38.1	Horiz	
	Average		-40.9									
7	4882.000	56.0	+1.0	+3.3	-32.6	+33.4	+0.0	61.1	74.0	-12.9	Vert	
	Peak		+0.0									
8	4882.000	56.0	+1.0	+3.3	-32.6	+33.4	+0.0	20.2	54.0	-33.8	Vert	
	Average		-40.9									
9	7323.000	42.2	+1.2	+4.0	-32.3	+35.8	+0.0	50.9	74.0	-23.1	Vert	
	Peak		+0.0									
10	7323.000	42.2	+1.2	+4.0	-32.3	+35.8	+0.0	10.0	54.0	-44.0	Vert	
	Average		-40.9									
11	9764.000	44.5	+1.1	+4.9	-36.1	+37.2	+0.0	51.6	74.0	-22.4	Vert	
	Peak		+0.0									
12	9764.000	44.5	+1.1	+4.9	-36.1	+37.2	+0.0	10.7	54.0	-43.3	Vert	
	Average		-40.9									

EQUIPMENT: 840-0000

Radiated Emissions

High Channel

Measurement Data:		Reading listed by order taken.					Test Distance: 3 Meters				
#	Freq MHz	Rdng dBµV	Cable Duty dB	Cable dB	Pre-A dB	Horn dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2483.500 Peak	62.5	+0.8 +0.0	+2.3	-32.8	+29.0	+0.0	61.8	74.0	-12.2	Vert
2	2483.500 Average	62.5	+0.8 -40.9	+2.3	-32.8	+29.0	+0.0	20.9	54.0	-33.1	Vert
3	4944.000 Peak	44.7	+1.0 +0.0	+3.3	-32.6	+33.6	+0.0	50.0	74.0	-24.0	Vert
4	4944.000 Average	44.7	+1.0 -40.9	+3.3	-32.6	+33.6	+0.0	9.1	54.0	-44.9	Vert
5	7416.233 Peak	40.3	+1.2 +0.0	+4.1	-32.5	+35.9	+0.0	49.0	74.0	-25.0	Vert
6	7416.233 Average	40.3	+1.2 -40.9	+4.1	-32.5	+35.9	+0.0	8.1	54.0	-45.9	Vert
7	9888.233 Peak	42.3	+1.1 +0.0	+5.0	-35.8	+37.2	+0.0	49.8	74.0	-24.2	Vert
8	9888.233 Average	42.3	+1.1 -40.9	+5.0	-35.8	+37.2	+0.0	8.9	54.0	-45.1	Vert
9	2483.500 Peak	58.7	+0.8 +0.0	+2.3	-32.8	+29.0	+0.0	58.0	74.0	-16.0	Horiz
10	2483.500 Average	58.7	+0.8 -40.9	+2.3	-32.8	+29.0	+0.0	17.1	54.0	-36.9	Horiz
11	4944.000 Peak	47.0	+1.0 +0.0	+3.3	-32.6	+33.6	+0.0	52.3	74.0	-21.7	Horiz
12	4944.000 Average	47.0	+1.0 -40.9	+3.3	-32.6	+33.6	+0.0	11.4	54.0	-42.6	Horiz
13	7416.000 Peak	40.0	+1.2 +0.0	+4.1	-32.5	+35.9	+0.0	48.7	74.0	-25.3	Horiz
14	7416.000 Average	40.0	+1.2 -40.9	+4.1	-32.5	+35.9	+0.0	7.8	54.0	-46.2	Horiz
15	9888.000 Peak	40.0	+1.1 +0.0	+5.0	-35.8	+37.2	+0.0	47.5	74.0	-26.5	Horiz
16	9888.000 Average	40.0	+1.1 -40.9	+5.0	-35.8	+37.2	+0.0	6.6	54.0	-47.4	Horiz

EQUIPMENT: 840-0000

Radiated Photographs



EQUIPMENT: 840-0000

Section 8. Peak Power Spectral Density

NAME OF TEST: Peak Power Spectral Density	PARA. NO.: 15.247(e)
TESTED BY: David Light	DATE: 04 February 2007

Test Results: Complies.

Measurement Data: See attached data..

Test Conditions: 36 %RH
 23 °C

Measurement Uncertainty: +/-1.7 dB

Test Equipment Used: 1464-1484-1485-1016-993

- The device was tested on three channels per 15.31(l).
- This test was performed radiated.

Frequency (MHz)	Meter Reading (dBm)	Substitution Level (dBm)		Pre-Amp Gain (dB)	Substitution Antenna Gain (dBd)	EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Polarity	Comments
										Radiated measurement
2404	-22.8	-20.7		32.8	7.8	-12.9	8.0	-20.9000	V	
2441	-22.2	-20.1		32.8	7.8	-12.3	8.0	-20.3000	V	
2472	-32.5	-30.4		32.8	7.8	-22.6	8.0	-30.6000	V	
2441	-1.9	0.2		32.8	7.8	8.0	NA	NA	V	Sample calculation

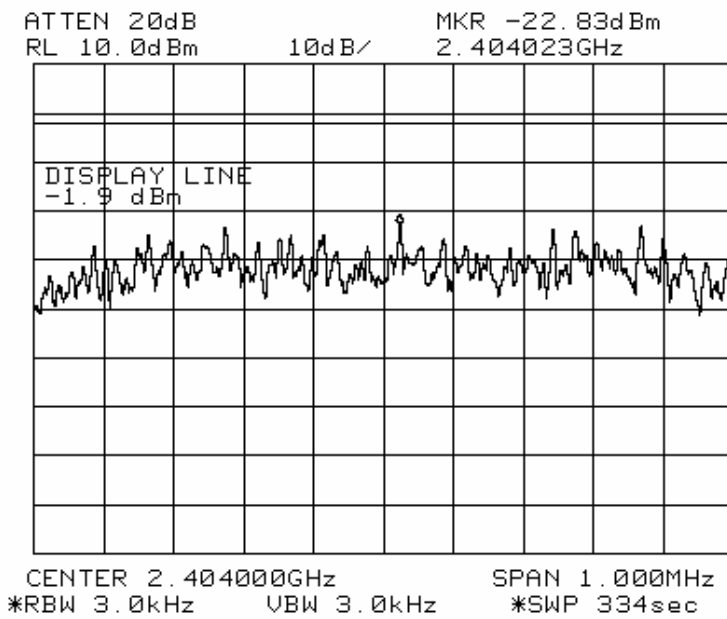
EQUIPMENT: 840-0000

Peak Power Spectral Density

Low Channel

Display line at -1.9 dBm = +8 dBm EIRP

Marker indicates spectral density at -12.9 dBm EIRP

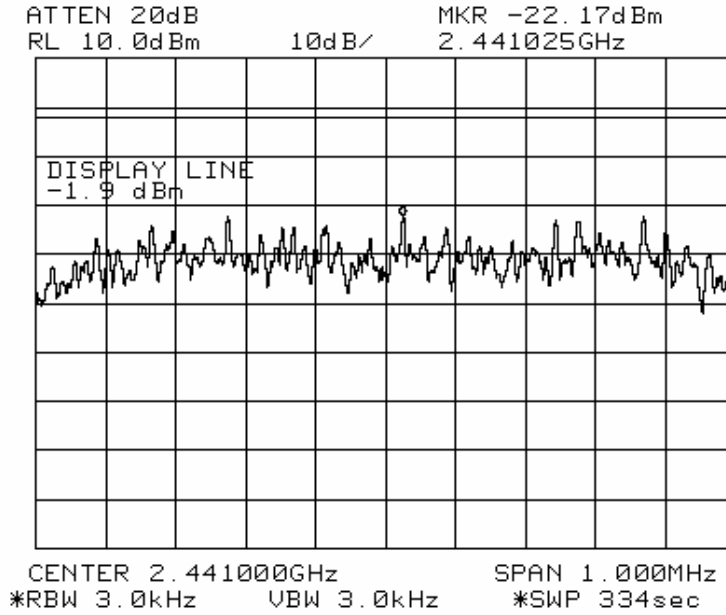


EQUIPMENT: 840-0000

Mid Channel

Display line at -1.9 dBm = +8 dBm EIRP

Marker indicates spectral density at -12.3 dBm EIRP



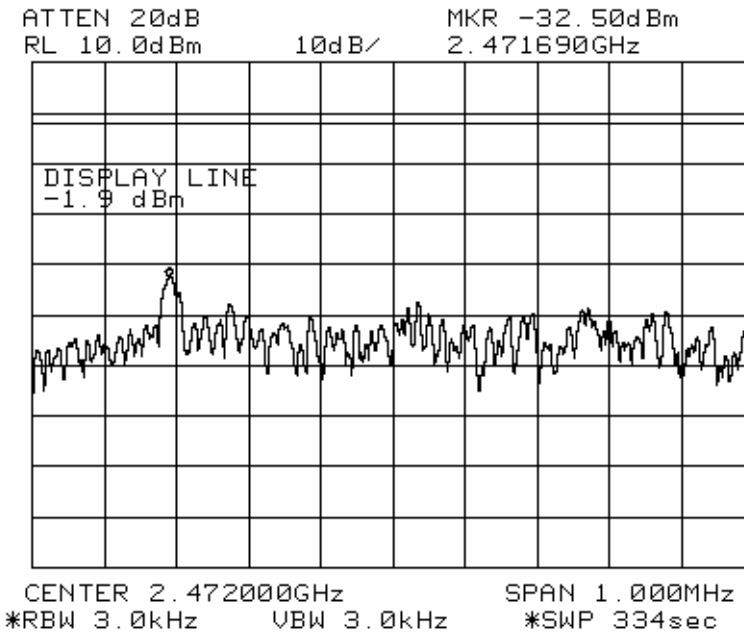
EQUIPMENT: 840-0000

Peak Power Spectral Density

High channel

Display line at -1.9 dBm = +8 dBm EIRP

Marker indicates spectral density at -20.6 dBm EIRP



EQUIPMENT: 840-0000

Section 7. Test Equipment List

Nemko ID	Description	Manufacturer Model Number	Serial Number	Calibration Date	Calibration Due
1464	Spectrum analyzer	Hewlett Packard 8563E	3551A04428	01/24/07	01/24/09
1484	Cable	Storm PR90-010-072	N/A	10/02/06	10/02/07
1485	Cable	Storm PR90-010-216	N/A	10/02/06	10/02/07
993	Horn antenna	A.H. Systems SAS-200/571	XXX	08/01/05	08/02/07
1016	Pre-Amp	HEWLETT PACKARD 8449A	2749A00159	04/20/06	04/20/07
759	ANTENNA, LOG PERIODIC	A.H. SYSTEMS SAS-200/510	556	02/13/06	02/13/07
1195	ANTENNA,BICONICAL	A.H. SYSTEMS SAS-200/542	235	02/10/06	02/10/07
791	PREAMP, 25dB	Nemko USA, Inc. LNA25	398	04/20/06	04/20/07
1482	Band Pass Filter	K & L 11SH10-4000/T12000-0/0	2	Cal B4 Use	N/A

ANNEX A - TEST DETAILS

EQUIPMENT: 840-0000

NAME OF TEST: Occupied Bandwidth	PARA. NO.: 15.247(a)(2)
----------------------------------	-------------------------

Minimum Standard: The minimum 6 dB bandwidth shall be at least 500 kHz when measured in 100 kHz bandwidth.

NAME OF TEST: Maximum Peak Output Power

PARA. NO.: 15.247(b)(3)

Minimum Standard: The maximum peak output power shall not exceed 1 watt.

If transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Systems operating in the 2400-2483.5 MHz band that are used exclusively for fixed, point to point operation may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum peak output power is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceed 6 dBi.

Direct Measurement Method For Detachable Antennas:

If the antenna is detachable, a peak power meter is used to measure the power output with the transmitter operating into a 50 ohm load. The dBi gain of the antenna(s) employed shall be reported.

Substitution Antenna Method for Integral Antennas:

The peak field strength of the carrier is measured in a worst-case configuration with a RBW > 5 times the occupied bandwidth of the transmitted waveform. For cases where the RBW of the test instrument is not sufficient, the power is measured using a peak power meter instead of the spectrum analyzer.

The RBW of the spectrum analyzer shall be set to a value greater than the measured 6 dB occupied bandwidth of the E.U.T.

Test Method: TIA/EIA-603-1992

The antenna substitution method was used to determine the equivalent isotropic radiated power. The emission was measured at a distance of 3 meters. The EUT was then replaced with a reference substitution antenna with a known gain referenced to an isotropic radiator. This antenna was fed with a signal at the transmit frequency. The level of the signal was adjusted to repeat the previously measured level. The resulting eirp is the signal level fed to the reference antenna corrected for gain referenced to a dipole.

EQUIPMENT: 840-0000

NAME OF TEST: Occupied Bandwidth	PARA. NO.: 15.247(a)(2)
----------------------------------	-------------------------

Minimum Standard: Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Method Of Measurement:

The spectrum analyzer is set as follows:

RBW = VBW = 100 kHz.
 Span: Sufficient to display 6 dB bandwidth
 LOG dB/div.: 10 dB
 Sweep: Auto

Number of channels tested:

Tuning range	Number of channels tested	Channel location in band
1 MHz or less	1	middle
1 to 10 MHz	2	top and bottom
more than 10 MHz	3	top, middle, bottom

EQUIPMENT: 840-0000

NAME OF TEST: Spurious Emissions(conducted)	PARA. NO.: 15.247(d)
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Minimum Standard: In any 100kHz bandwidth outside the frequency band in which the transmitter is operating, emissions shall be at least 20 dB below the fundamental emission or shall not exceed the following field strength limits. Emissions falling in the restricted bands of 15.205 shall not exceed the following field strength limits:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$ @ 3m)	Field Strength (dB @ 3m)
30 - 88	100	40.0
88 - 216	150	43.5
216 - 960	200	46.0
Above 960	500	54.0

THE SPECTRUM IS SEARCHED TO THE 10th HARMONIC OF THE HIGHEST FREQUENCY GENERATED IN THE EUT.

Method Of Measurement:

30 MHz - 10th harmonic plot

RBW: 100 kHz
 VBW: 300 kHz
 Sweep: Auto
 Display line: -20 dBc

Lower Band Edge

RBW: At least 1% of span/div.
 VBW: >RBW
 Span: As necessary to display any spurious at band edge.
 Sweep: Auto
 Center Frequency: 902 MHz, 2400 MHz, or 5725 MHz
 Marker: Peak of fundamental emission
 Marker Δ : Peak of highest spurious level below center frequency.

Upper Band Edge

RBW: At least 1% of span/div.
 VBW: >RBW
 Span: As necessary to display any spurious at band edge.
 Sweep: Auto
 Center Frequency: 928 MHz, 2483.5 MHz, or 5850 MHz
 Marker: Peak of fundamental emission
 Marker Δ : Peak of highest spurious level above center frequency.

Number of channels tested:

Tuning range	Number of channels tested	Channel location in band
1 MHz or less	1	middle
1 to 10 MHz	2	top and bottom
more than 10 MHz	3	top, middle, bottom

EQUIPMENT: 840-0000

NAME OF TEST: Radiated Spurious Emissions	PARA. NO.: 15.247(c)
---	----------------------

Minimum Standard: In any 100kHz bandwidth outside the frequency band in which the transmitter is operating, emissions shall be at least 20 dB below the fundamental emission or shall not exceed the following field strength limits:

Emissions falling in the restricted bands of 15.205 shall not exceed the following field strength limits:

Frequency (MHz)	Field Strength (µV/m @ 3m)	Field Strength (dB @ 3m)
30 - 88	100	40.0
88 - 216	150	43.5
216 - 960	200	46.0
Above 960	500	54.0

THE SPECTRUM WAS SEARCHED TO THE 10th HARMONIC

15.205 Restricted Bands

MHz	MHz	MHz	GHz
0.09-0.11	16.42-16.423	399.9-410	4.5-5.25
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.125-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2655-2900	20.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41	1718		

Number of channels tested:

Tuning range	Number of channels tested	Channel location in band
1 MHz or less	1	middle
1 to 10 MHz	2	top and bottom
more than 10 MHz	3	top, middle, bottom

NAME OF TEST: Transmitter Power Density	PARA. NO.: 15.247(d)
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Minimum Standard: The transmitted power density averaged over any 1 second interval shall not be greater than +8 dBm in any 3 kHz bandwidth.

Method Of Measurement: The spectrum analyzer is set as follows:

- RBW: 3 kHz
- VBW: >3 kHz
- Span: => measured 6 dB bandwidth
- Sweep: Span(kHz)/3 (i.e. for a span of 1.5 MHz the sweep rate is 1500/3 = 500 sec.
- LOG dB/div.: 2 dB

Note: For devices with spectrum line spacing ≤ 3 kHz, the RBW of the analyzer is reduced until the spectral lines are resolved. The measurement data is normalized to 3 kHz by summing the power of all the individual spectral lines within a 3 kHz band in linear power units.

For Devices With Integral Antenna:

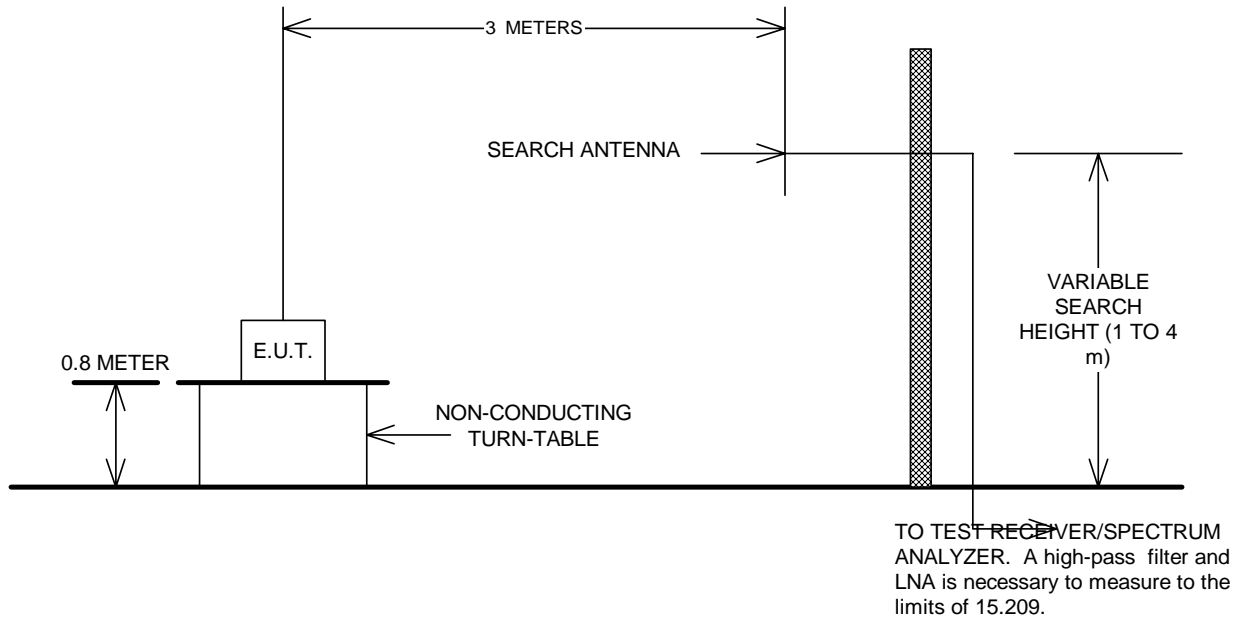
For devices with non-detachable antennas, the received field strength is peaked and the spectrum analyzer is set as above. The peak emission level is then measured and converted to a field strength by adding the appropriate antenna factor and cable loss. This field strength is then converted to an equivalent isotropic radiated power using the same method as described for Peak Power output.

Number of channels tested:

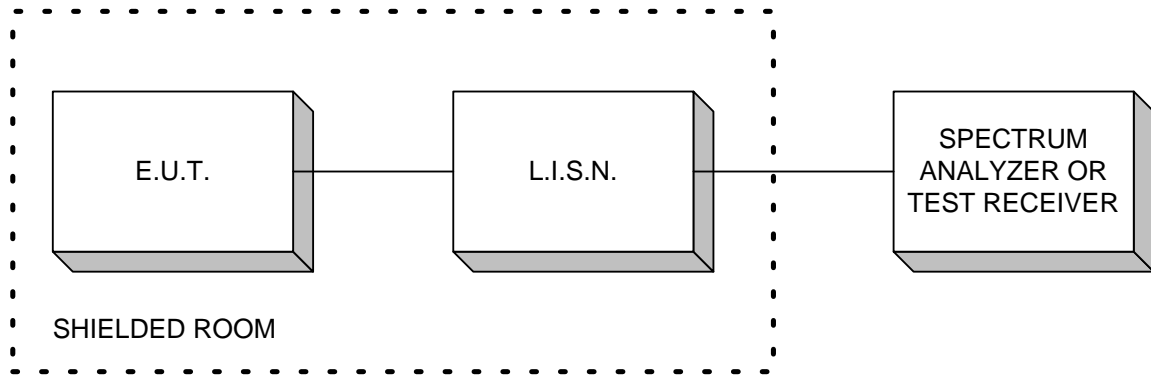
Tuning Range	Number Of Channels Tested	Channel Location In Band
1 MHz or Less	1	Middle
1 to 10 MHz	2	Top And Bottom
More Than 10 MHz	3	Top, Middle, Bottom

ANNEX B - TEST DIAGRAMS

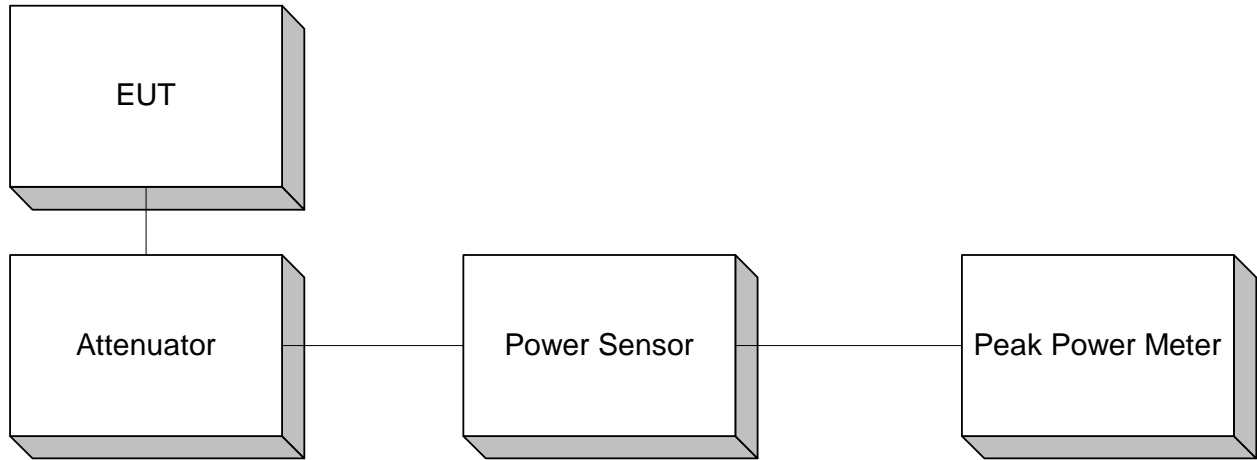
Test Site For Radiated Emissions



Conducted Emissions



Peak Power At Antenna Terminals



Note: A spectrum analyzer may be substituted for Peak Power Meter given that the measurement bandwidth is sufficient to capture the 60 dB bandwidth of the transmitter.

**Minimum 6 dB Bandwidth
Peak Power Spectral Density
Spurious Emissions (conducted)**

