

FCC TEST REPORT

for

47 CFR Part 22H and 24E

Equipment : **Wireless Point-of-Sale Terminal**
Model No. : **OMNI 3750**
FCC ID : **B32OMNI 3750C**
Filing Type : **Certification**
Applicant : **VeriFone Systems Pte., Ltd. Taiwan Branch**
2F, 19-2, Sanchung Road, Nankang Dist.,
Taipei, Taiwan 115, R.O.C.

- The test result refers exclusively to the test presented test model / sample.
- Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.
- **Certificate or Test Report must not be used by the applicant to claim the product in this test report endorsement by NVLAP or any agency of U.S. government.**

SPORTON International Inc.

6F, No.106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

The applicant has been cautioned as to the following:

15.21 Information to User.

The users manual or instruction manual for an intentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.27(a) Special Accessories.

Equipment marketed to a consumer must be capable of complying with the necessary regulations in the configuration in which the equipment is marketed. Where special accessories, such as shielded cables and/or special connectors are required to enable an unintentional or intentional radiator to comply with the emission limits in this part, the equipment must be marketed with, i.e. shipped and sold with, those special accessories. However, in lieu of shipping or packaging the special accessories with the unintentional or intentional radiator, the responsible party may employ other methods of ensuring that the special accessories are provided to the consumer, without additional charge.

Information detailing any alternative method used to supply the special accessories for a grant of equipment authorization or retained in the verification records, as appropriate. The party responsible for the equipment, as detailed in § 2.909 of this chapter, shall ensure that these special accessories are provided with the equipment. The instruction manual for such devices shall include appropriate instructions on the first page of text concerned with the installation of the device that these special accessories must be used with the device. It is the responsibility of the user to use the needed special accessories supplied with the equipment.

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Required information per ISO/IEC Guide 25-1990, paragraph 13.2:

a) **Test Report**

b) Laboratory: Sporton International Inc.
No.52, Hwa-Ya 1st RD., Hwa Ya Technology Park, Kwei-Shan Hsiang,
TaoYuan Hsien, Taiwan, R.O.C.

c) Report Number: F452910

d) Client: **VeriFone Systems Ptd., Ltd. Taiwan Branch**
2F, 19-2, Sanchung Road, Nankang Dist., Taipei, Taiwan 115, R.O.C.

e) Identification: Model Name: OMNI 3750
FCC ID : B32OMNI 3750C
Description: CDMA 850/1900

f) EUT Condition: Not required unless specified in individual tests.

g) Report Date: June 10, 2004
EUT Received: June 03, 2004

h, j, k): As indicated in individual tests.

i) Sampling method: No sampling procedure used.

l) Uncertainty: In accordance with Sporton internal quality manual.

m) Supervised by:



Hendry Yang

n) Results: The results presented in this report relate only to the item tested.

o) Reproduction: This report must not be reproduced, except in full, without written permission from this laboratory.

Accessories Used During Testing:

Type	Model
EUT	OMNI 3750
RJ-11	N/A
RJ-232	N/A
Base Station Simulator	CMU200
Base Station Simulator	E5515C

List of General Information Required for Certification

In Accordance with FCC Rules and Regulations,
Volume II, Part 2 and
22H, 24E, Confidentiality

Sub-Part 2.1033

(c)(1): Name and Address of Applicant:

VeriFone Systems Ptd., Ltd. Taiwan Branch
2F, 19-2, Sanchung Road, Nankang Dist., Taipei,
Taiwan 115, R.O.C.

Manufacturer

As above

(c)(2): FCC ID: B32OMNI 3750C

Model Number: OMNI 3750

(c)(3): Instruction Manual(s):

Please See Attached Exhibits

(c)(4): Type of Emission: 1M25F9W

(c)(5): FREQUENCY RANGE, MHz:

CDMA : 824.7~848.31MHz (Tx); 869.70~893.31MHz (Rx)
PCS CDMA : 1851.25~1908.75MHz (Tx); 1931.25~1988.75MHz (Rx)

(c)(6): Power Rating, Watts:

CDMA: 0.1648

PCS CDMA: 0.107

Switchable x Variable N/A

Subpart 2.1033 (continued)

(c)(8): Voltages & Currents in All Elements in Final RF Stage, Including Final Transistor or Solid State Device:

Collector Current, A = 0.5
Collector Voltage, Vdc = 24.0
Supply Voltage, Vdc = 24.0

(c)(9): **Tune-Up Procedure:**

Please See Attached Exhibits

(c)(10): **Circuit Diagram/Circuit Description:**

Please See Attached Exhibits

(c)(11): **Label Information:**

Please See Attached Exhibits

(c)(12): **Photographs:**

Please See Attached Exhibits

(c)(13): **Digital Modulation Description:**

Attached Exhibits
 N/A

(c)(14): **Test and Measurement Data:**

Follows

**Testimonial
and
Statement of Certification**

This is to certify that:

1. **That** the application was prepared either by, or under the direct supervision of, the undersigned.
2. **That** the technical data supplied with the application was taken under my direction and supervision.
3. **That** the data was obtained on representative units, randomly selected.
4. **That**, to the best of my knowledge and belief, the facts set forth in the application and accompanying technical data are true and correct.

Daniel Lee 6/6/2004

Certified by:

Daniel Lee

Certificate of NVLAP Accreditation

United States Department of Commerce
National Institute of Standards and Technology

NVLAP[®]

Certificate of Accreditation

ISO/IEC 17025:1999
ISO 9002:1994

SPORTON INTERNATIONAL, INC.
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Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:*

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

December 31, 2004
Effective through


For the National Institute of Standards and Technology
NVLAP Lab Code: 200079-0



NVLAP-01C (06-01)

Sub-part

2.1033(c)(14): Test and Measurement Data

All tests and measurement data shown were performed in accordance with FCC Rules and Regulations, Volume II; Part 2, Sub-part J, Sections 2.947, 2.1033(c), 2.1041, 2.1046, 2.1047, 2.1079, 2.1051, 2.1053, 2.1055, 2.1057 and the following individual Parts:

- 22 – Public Mobile Services
- x 22 Subpart H - Cellular Radiotelephone Service
 - 22.901(d) - Alternative technologies and auxiliary services
- x 24 – Personal Communications Services

General Information

Product Feature & Specification	
DUT Type	Wireless Point-of-Sale Terminal
Model Name	OMNI 3750
Tx Frequency	CDMA: 824.70MHz~848.31 MHz PCS CDMA: 1851.25 MHz~1908.75 MHz
Rx Frequency	CDMA: 869.70 MHz~893.31 MHz PCS CDMA: 1931.25 MHz~1988.75 MHz
CDMA BW	1.25 MHz
HW Version	Rev. 2.1
SW Version	OS 1703
Maximum Output Power to Antenna	CDMA: 21.9 dBm PCS CDMA: 21.5 dBm
Temperature Range (Operating)	0~40°C
DC Voltages	DC 24V, 1.7A max
Antenna Size	108.45mm * 9.35Φ
Antenna Gain for each band (900/1800)	Average -1 to 1 dBi/ Peak +2 to +4 dBi
Type of Modulation	CDMA
DUT Stage	Identical Prototype
Application Type	Certification

**Standard Test Conditions
and
Engineering Practices**

Except as noted herein, the following conditions and procedures were observed during the testing:

In accordance with TIA603, and unless otherwise indicated in the specific measurement results, the ambient temperature of the actual EUT was maintained within the range of 10° to 40°C (50° to 104 °F) unless the particular equipment requirements specify testing over a different temperature range. Also, unless otherwise indicated, the humidity levels were in the range of 10% to 90% relative humidity.

Prior to testing, the EUT was tuned up in accordance with the manufacturer's alignment procedures. All external gain controls were maintained at the position of maximum and/or optimum gain throughout the testing.

Measurement results, unless otherwise noted, are worst-case measurements.

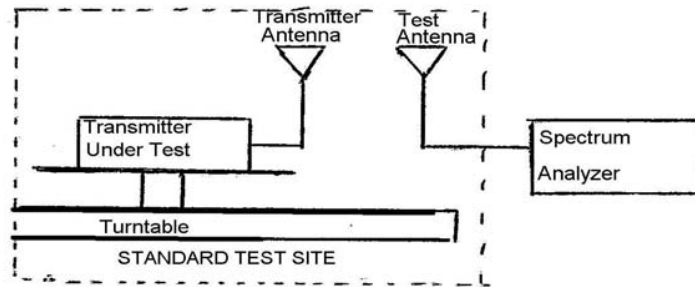
Name of Test: EIRP Carrier Power (Radiated)

Specification: TIA/EIA 603A (Substitution Method)

Definition: The average radiated power of device is the equivalent power required, when delivered to a substitution antenna, to produce at a distant point the same average received power as produced by the licensed device.

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 1m to 4m and rotate turntable from 0° to 360°. Record the highest received signal showed in spectrum analyzer as R_t . Calculate electric field strength in receive antenna as E_t .

$$E_t = R_t + AF$$

AF (dB/m): Receive Antenna Factor

c) Replace the transmitter under test with a substitution 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 level P_s . Raise and lower the test antenna like in step b) and record the highest received signal showed in spectrum analyzer as R_s . Calculate electric field strength in receive antenna as E_s .

$$E_s = R_s + AF$$

AF (dB/m): Receive Antenna Factor

d) Calculate radiated power as following:

$$EIRP = P_s + E_t - E_s + G_s$$

P_s (dBm): Input Power to Substitution Antenna

G_s (dBi) : Substitution Antenna Gain

Results Attached

Tim Kao

Tested By:

Tim Kao

FCC TEST REPORT

Report No. : F452910

Test Results For: ERP/EIRP Carrier Power (Radiated)**Conducted Power**

CDMA

Bands	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watts)
CDMA	1013	824.7 (Low)	21.3	0.1349
	383	836.49 (Mid)	21.9	0.1548
	777	848.31 (High)	21.3	0.1349

PCS CDMA

Bands	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watts)
PCS CDMA	25	1851.2 (Low)	21.5	0.1413
	600	1880.0 (Mid)	20.9	0.1230
	1175	1908.75 (High)	20.9	0.1230

ERP/EIRP

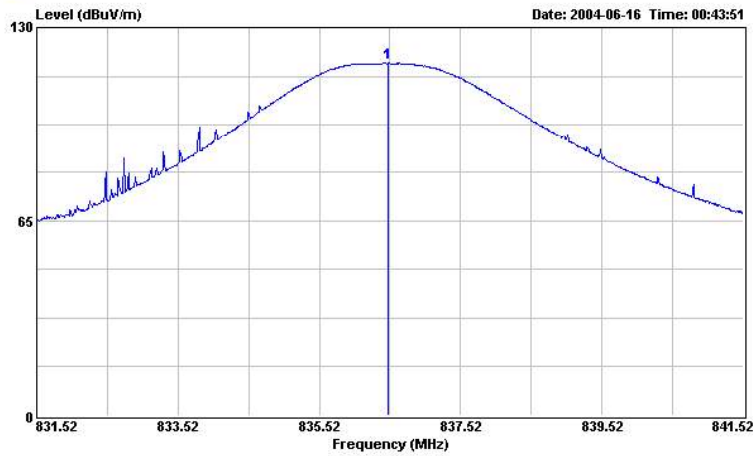
CDMA ERP

Freq MHz	Pol	Substitution Antenna Input Power (dBm)	Substitution Antenna Gain (dBd)	Et (dBuV/m)	Es (dBuV/m)	Et - Es (dB)	Radiated Power (dBm)	Radiated Power (Watts)
824.61	H	-2.49	-1.61	119.91	93.63	26.28	22.17	0.165
836.50	H	-2.49	-1.54	118.12	93.86	24.26	20.24	0.106
848.31	H	-2.48	-1.46	118.69	94.08	24.61	20.67	0.117
824.77	V	-2.49	-1.61	115.80	93.64	22.16	18.06	0.064
836.55	V	-2.49	-1.54	116.60	93.86	22.74	18.72	0.074
848.43	V	-2.48	-1.46	114.39	94.08	20.31	16.37	0.043

PCS CDMA EIRP

Freq MHz	Pol	Substitution Antenna Input Power (dBm)	Substitution Antenna Gain (dBi)	Et (dBuV/m)	Es (dBuV/m)	Et - Es (dB)	Radiated Power (dBm)	Radiated Power (Watts)
1851.35	H	-3.76	6.64	117.58	101.70	15.88	18.77	0.075
1879.80	H	-3.78	6.65	119.06	101.64	17.42	20.29	0.107
1908.40	H	-3.81	6.66	117.22	101.58	15.64	18.49	0.071
1851.42	V	-3.76	6.64	113.46	101.70	11.76	14.65	0.029
1880.00	V	-3.78	6.65	117.88	101.64	16.24	19.11	0.081
1908.44	V	-3.81	6.66	113.19	101.58	11.61	14.46	0.028

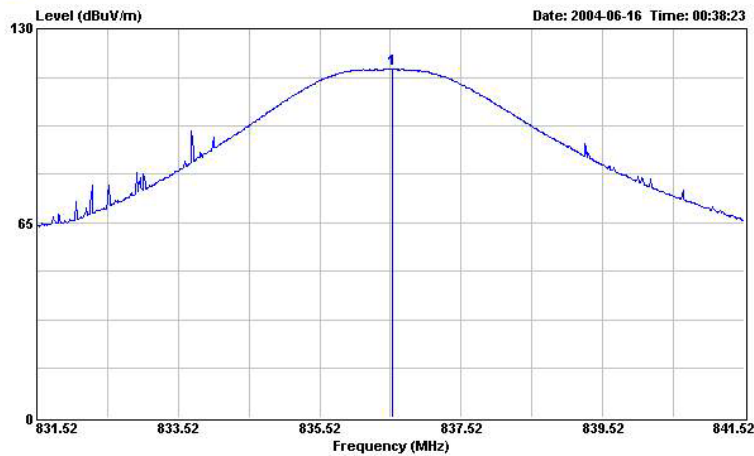
CDMA CH383 Horizontal Polarization



Site : 03CH03-HY
 Condition : 3m LOG-9111-221 HORIZONTAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : Cellular CH:383;836.49MHz

1	836.500	118.12	-----	-----	92.12	20.74	5.26	0.00	Peak	102	289
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	dB	Remark	Ant Pos	Table Pos

CDMA CH383 Vertical Polarization



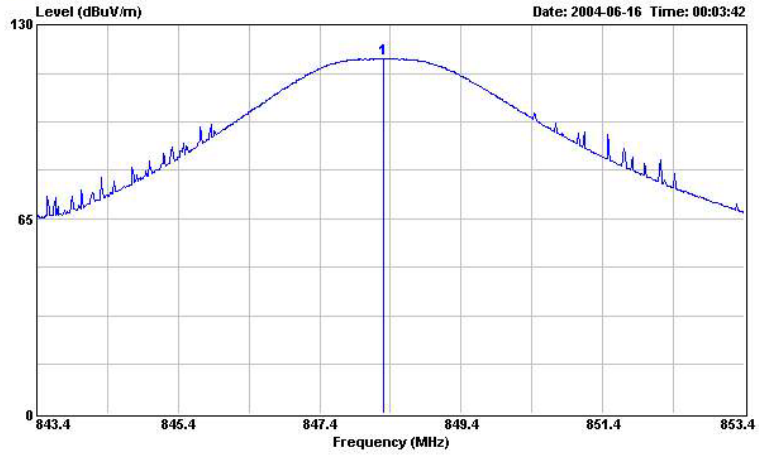
Site : 03CH03-HY
 Condition : 3m LOG-9111-221 VERTICAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : Cellular CH:383;836.49MHz

1	836.550	116.60	-----	-----	90.60	20.74	5.26	0.00	Peak	120	194
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	dB	Remark	Ant Pos	Table Pos

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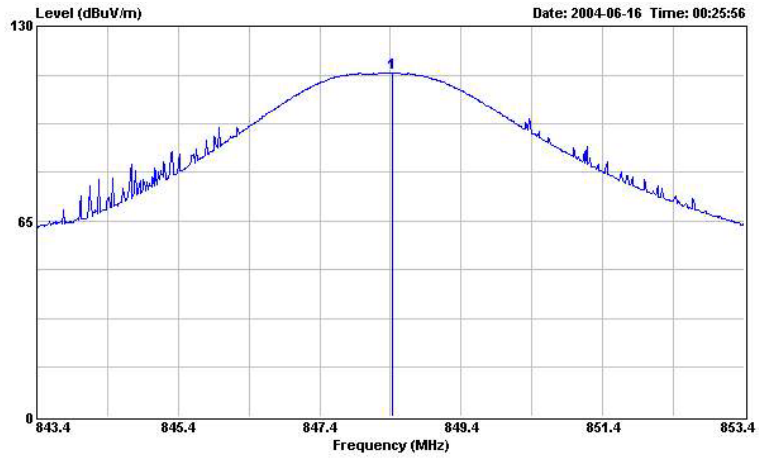
CDMA CH777 Horizontal Polarization



Site : 03CH03-HY
 Condition : 3m LOG-9111-221 HORIZONTAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : Cellular CH:777;848.31MHz

1	848.310	118.69	-----	-----	92.58	20.85	5.26	0.00	Peak	110	232
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GSM 850 CH777 Vertical Polarization



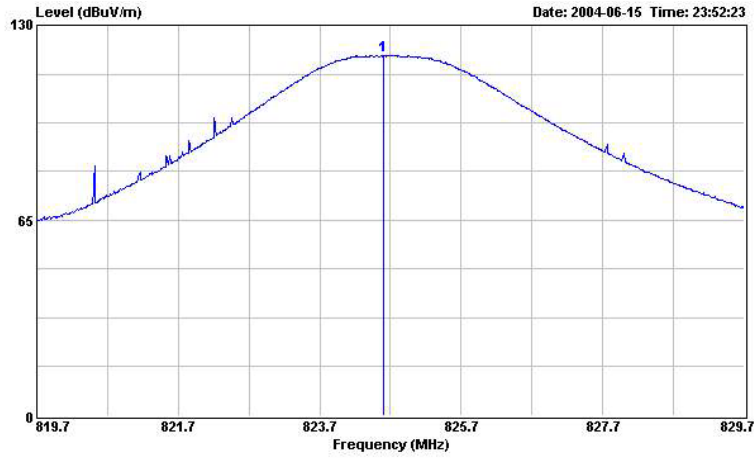
Site : 03CH03-HY
 Condition : 3m LOG-9111-221 VERTICAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : Cellular CH:777;848.31MHz

1	848.430	114.39	-----	-----	88.28	20.85	5.26	0.00	Peak	109	232
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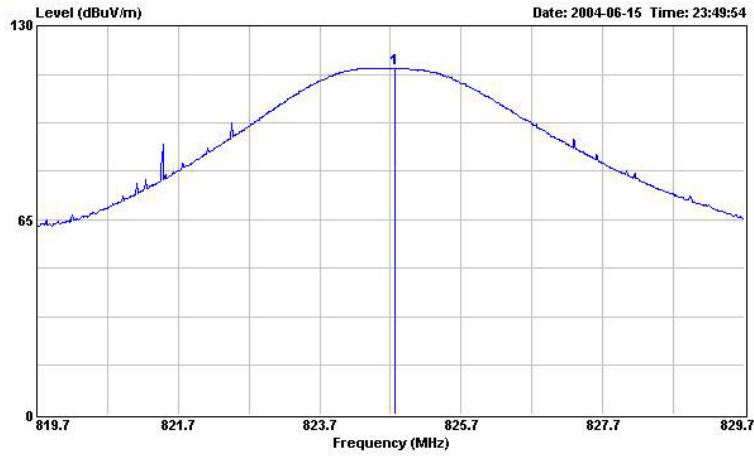
CDMA CH1013 Horizontal Polarization



Site : 03CH03-HY
 Condition : 3m LOG-9111-221 HORIZONTAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : Cellular CH:1013;824.7MHzMHz

1	824.610	119.91	-----	-----	94.13	20.62	5.16	0.00	Peak	114	309
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	dB	Remark	Ant Pos	Table Pos

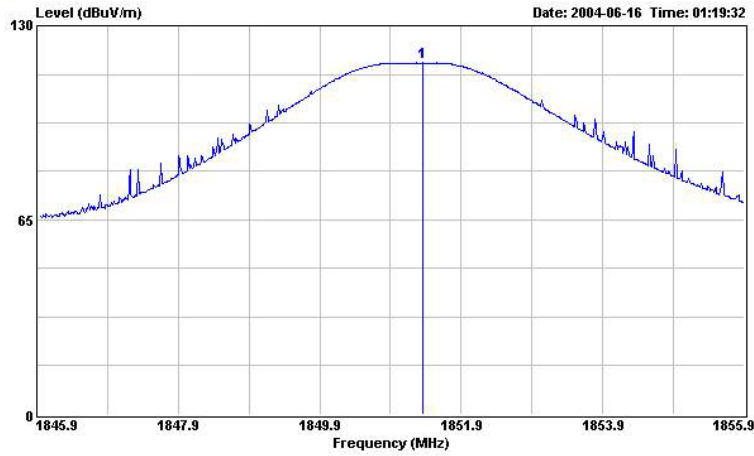
CDMA CH1013 Vertical Polarization



Site : 03CH03-HY
 Condition : 3m LOG-9111-221 VERTICAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : Cellular CH:1013;824.7MHz

1	824.770	115.80	-----	-----	90.02	20.62	5.16	0.00	Peak	123	287
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	dB	Remark	Ant Pos	Table Pos

PCS CDMA CH25 Horizontal Polarization



Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : PCS CH:25;1851.25MHz

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 1851.350	117.58	-----	-----	89.40	26.53	1.65	0.00	Peak	104	113

PCS CDMA CH25 Vertical Polarization



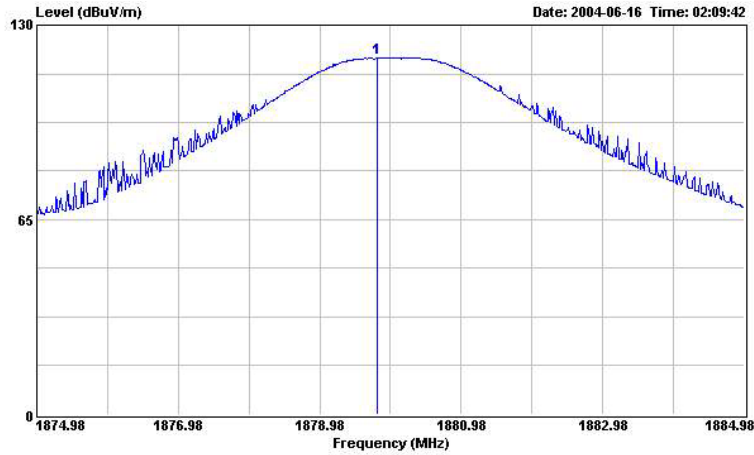
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : PCS CH:25;1851.25MHz

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Remark	Ant	Table
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 1851.420	113.46	-----	-----	85.28	26.53	1.65	0.00	Peak	103	74

FCC TEST REPORT

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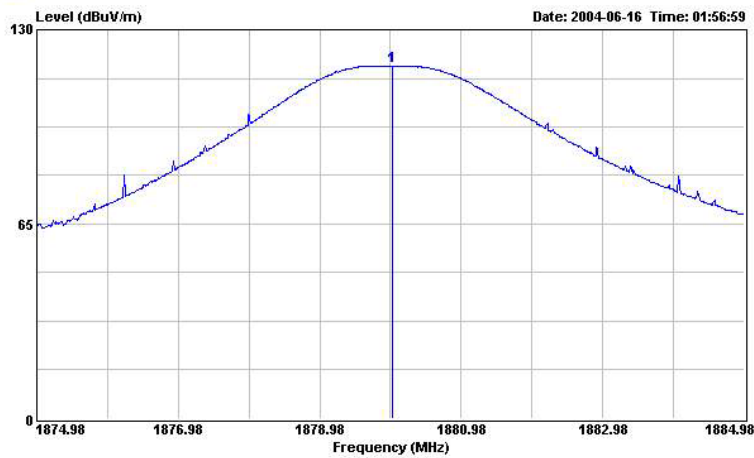
PCS CDMA CH600 Horizontal Polarization



Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : PCS CH:600;1880MHz

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 1879.800	119.06	-----	-----	90.81	26.66	1.59	0.00	Peak	101	116

PCS CDMA CH600 Vertical Polarization



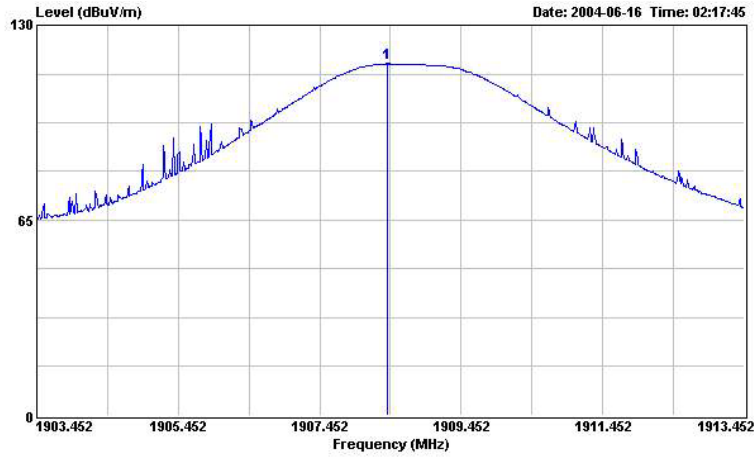
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : PCS CH:600;1880MHz

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 1880.000	117.88	-----	-----	89.63	26.66	1.59	0.00	Peak	262	82

FCC TEST REPORT

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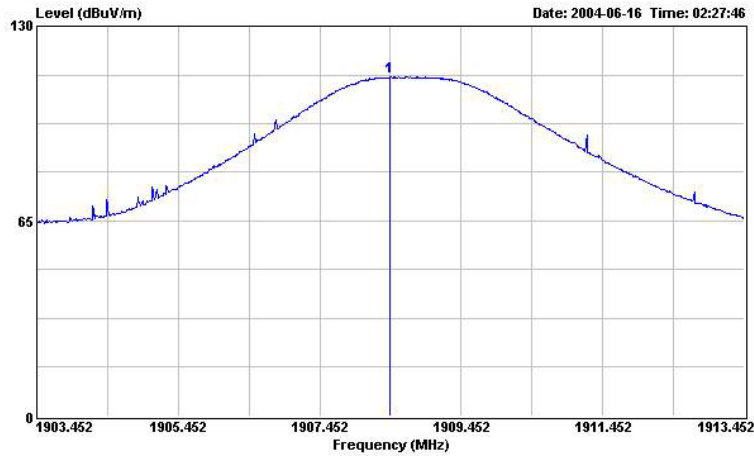
PCS CDMA CH1175 Horizontal Polarization



Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : PCS CH:1175;1908.75MHz

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 1908.400	117.22	-----	-----	88.86	26.77	1.59	0.00	Peak	100	127

PCS CDMA CH1175 Vertical Polarization



Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : CDMA 2000 Card Reader
 Power : 120V/60Hz
 Model :
 Memo : PCS CH:1175;1908.75MHz

Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1 1908.440	113.19	-----	-----	84.83	26.77	1.59	0.00	Peak	100	13

FCC TEST REPORT

Report No. : F452910

Name of Test: Emission Masks (Occupied Bandwidth)

Specification: 47 CFR 2.1049(c)(1), 22

Test Equipment: As per attached page

Measurement Procedure

1. The EUT and test equipment were set up as shown on the following page with the Spectrum Analyzer connected.
2. For EUTs supporting digital modulation, the digital modulation mode was operated to its maximum extent.
3. The occupied bandwidth was measured with the Spetrum Analyzer controls set as shown on the test results.
4. Measurement Results: Attached

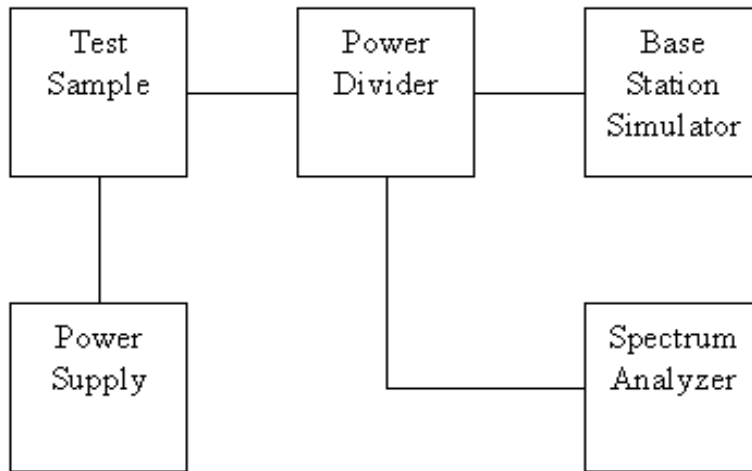


Tested By:

Tim Kao

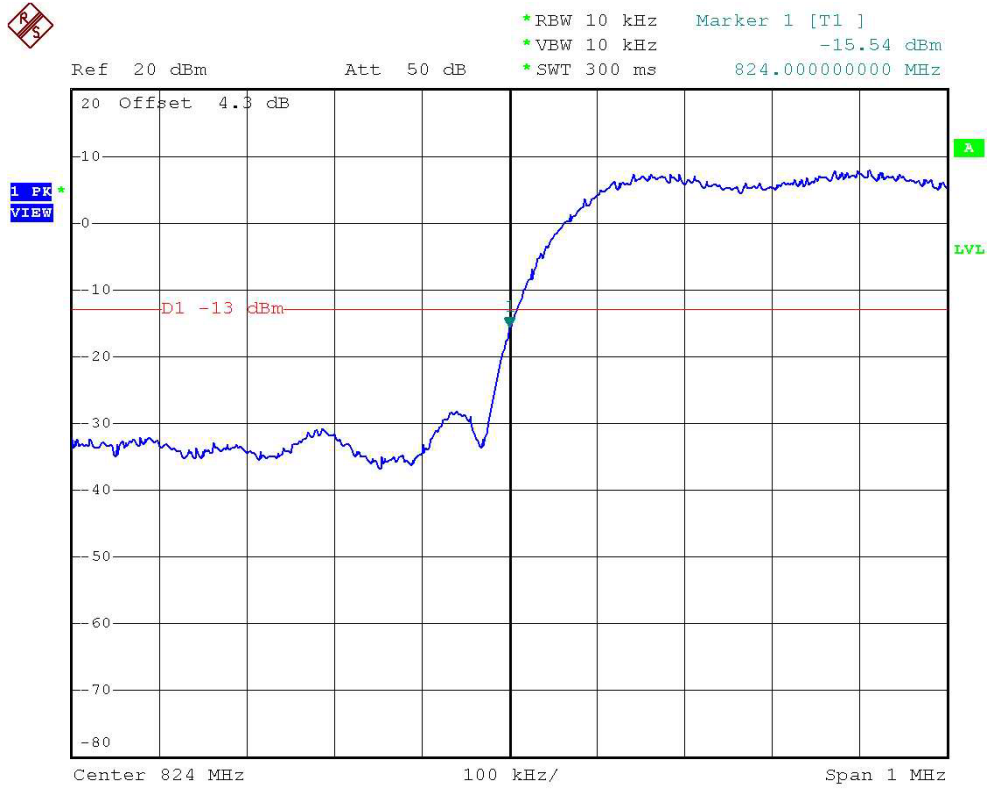
Transmitter Spurious Emission

Test A. Occupied Bandwidth (In-Band Spurious)
Test B. Out-of-Band Spurious



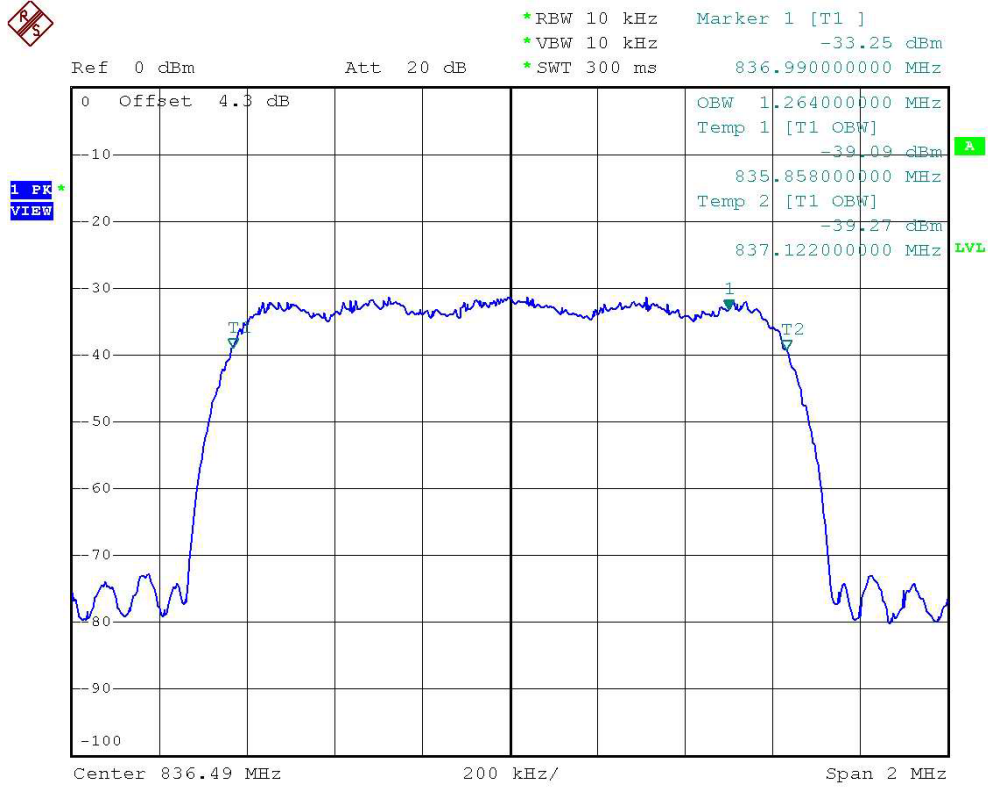
Asset	Model Name	S/N
Base Station Simulator	CMU200	102278
Base Station Simulator	E5515C	GB43460754
Spectrum Analyzer	FSP30	838858/014
AC/DC Power Source	HPA-500W	HPA0100024

Name of Test: Emission Masks (Occupied Bandwidth)
State 2:High Power



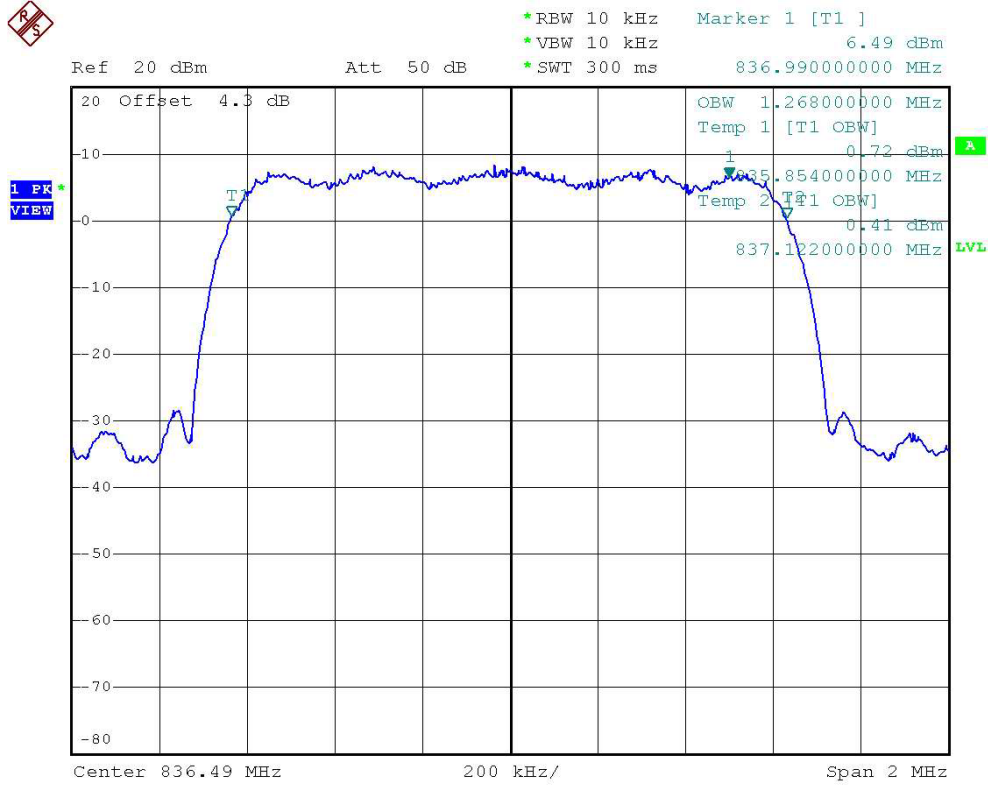
Power: HIGH
Modulation: CDMA
LOWER BAND EDGE

Name of Test: Emission Masks (Occupied Bandwidth)
State 1: Low Power



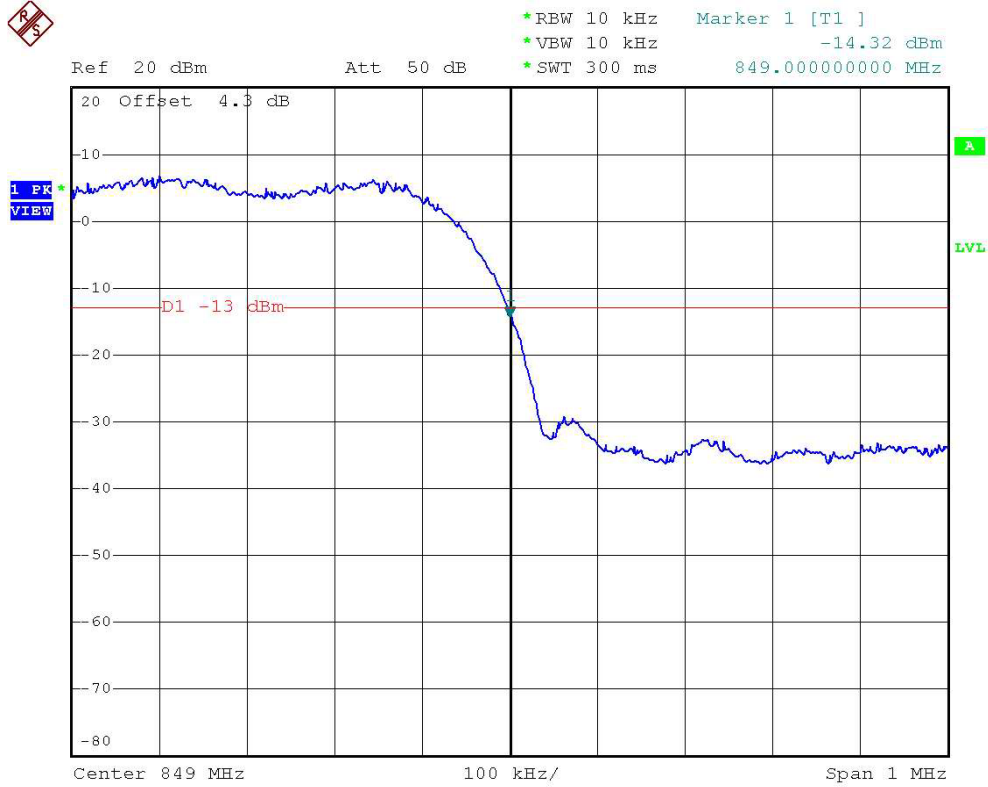
Power: LOW
 Modulation: CDMA
 99% BANDWIDTH

Name of Test: Emission Masks (Occupied Bandwidth)
State 2: High Power



Power: HIGH
 Modulation: CDMA
 99% BANDWIDTH

Name of Test: Emission Masks (Occupied Bandwidth)
State 2:High Power



Power: HIGH
Modulation: CDMA
UPPER BAND EDGE

Name of Test: Transmitter Conducted Measurements

Specification: 47 CFR 2.1051: Unwanted (spurious) Emissions
2.1049(c), 24.238(b): Occupied Bandwidth
24: Emissions at Band Edges

Test Equipment: As per attached page

Measurement Procedure

1. The EUT and test equipment were set up as shown on the following page with the Spectrum Analyzer connected.
2. The low and high channels for all RF powers within the Transmitting frequency band were measured.
3. Measurement Results: Attached

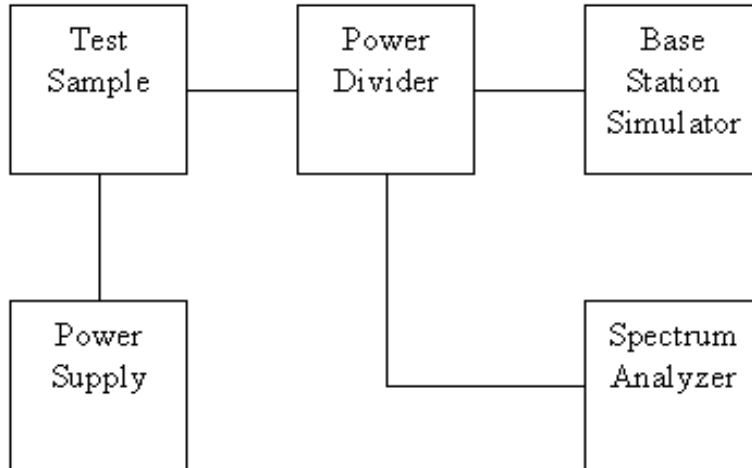


Tested By:

Tim Kao

Transmitter Spurious Emission

Test A. Occupied Bandwidth (In-Band Spurious)
Test B. Out-of-Band Spurious



Asset	Model Name	S/N
Base Station Simulator	CMU200	102278
Base Station Simulator	E5515C	GB43460754
Spectrum Analyzer	FSP30	838858/014
AC/DC Power Source	HPA-500W	HPA0100024

Name of Test: Emission Masks (Occupied Bandwidth)
State 2:High Power

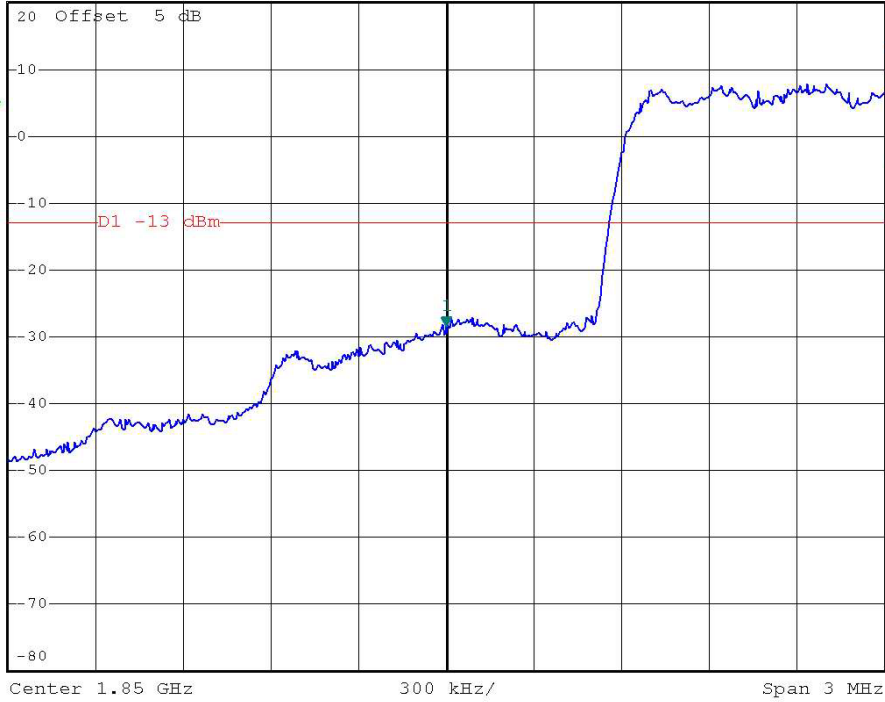


*RBW 10 kHz Marker 1 [T1]
*VBW 10 kHz -28.34 dBm
*SWT 300 ms 1.850000000 GHz

Ref 20 dBm

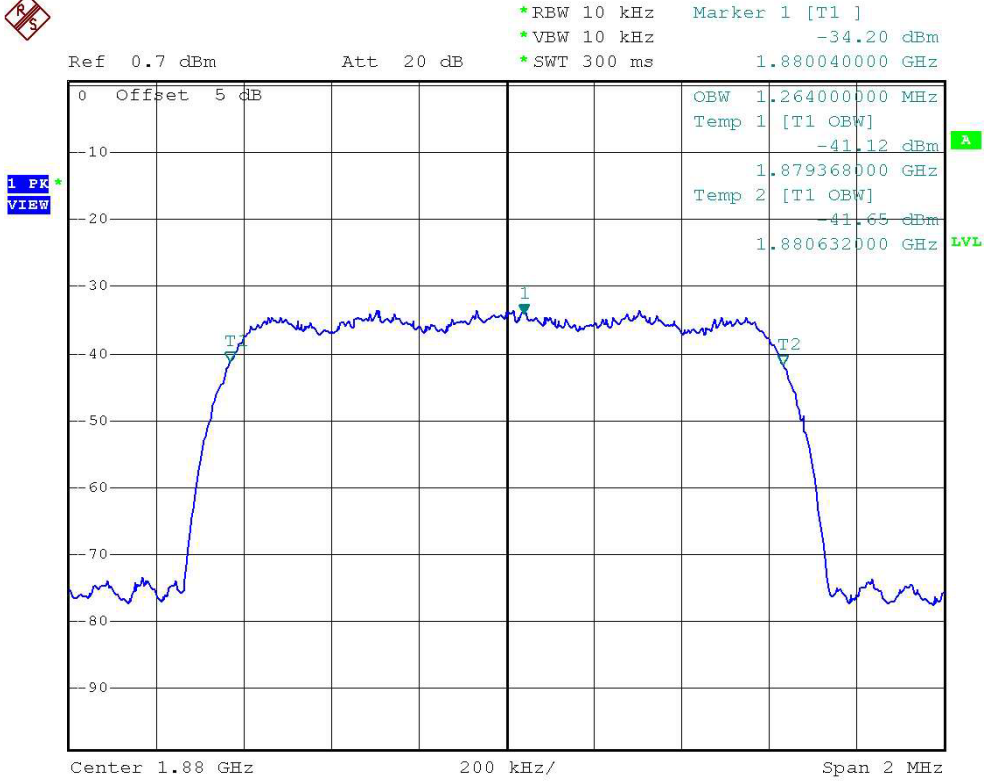
*Att 50 dB

1 PK
VIEW



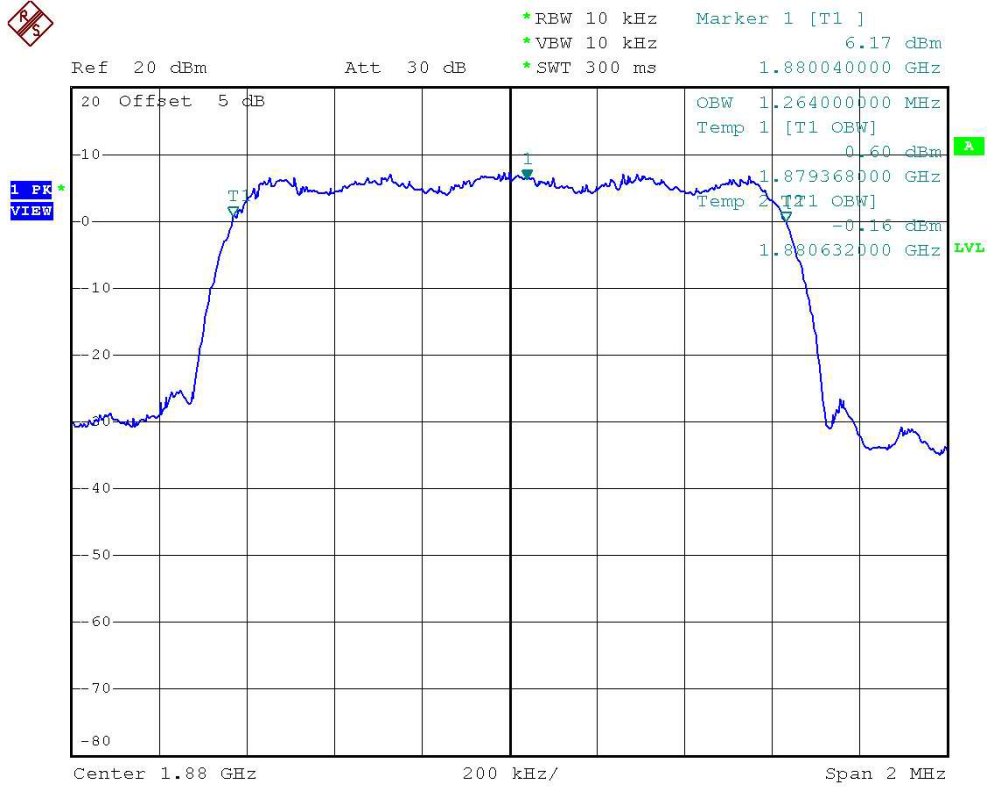
Power: HIGH
Modulation: PCS CDMA
LOWER BAND EDGE

Name of Test: Emission Masks (Occupied Bandwidth)
State 1: Low Power



Power: LOW
Modulation: PCS CDMA
 99% BANDWIDTH

Name of Test: Emission Masks (Occupied Bandwidth)
State 2: High Power



Power: HIGH
 Modulation: PCS CDMA
 99% BANDWIDTH

Name of Test: Field Strength of Spurious Radiation

Specification: 47 CFR 2.1053(a)

Guide: ANSI/TIA/EIA-603-1992/2001, Paragraph 1.2.12 and Table 16

Measurement Procedure

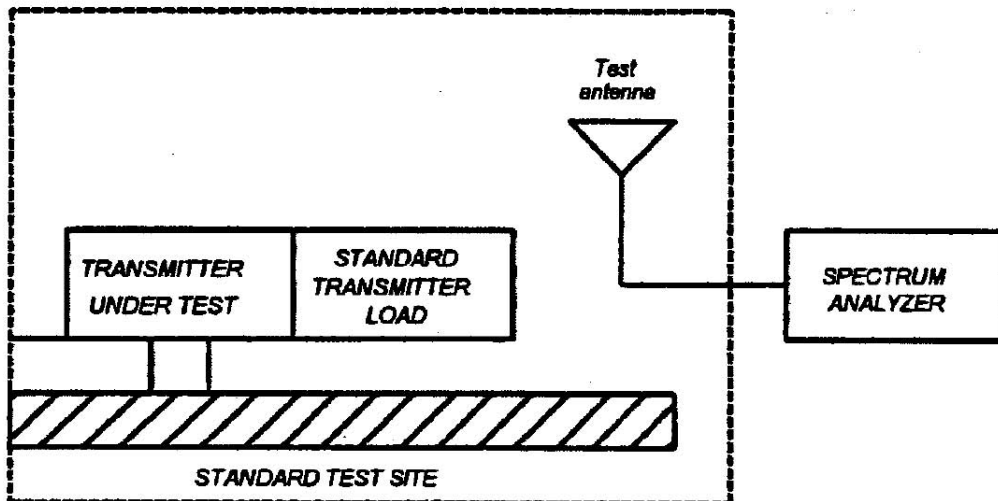
1.2.12.1 Definition: Radiated spurious emissions are emissions from the equipment when transmitting into a non-radiating load on a frequency or frequencies which are outside an occupied band sufficient to ensure transmission of information of required quality for the class of communications desired.

1.2.12.2 Method of Measurement

A) Connect the equipment as illustrated

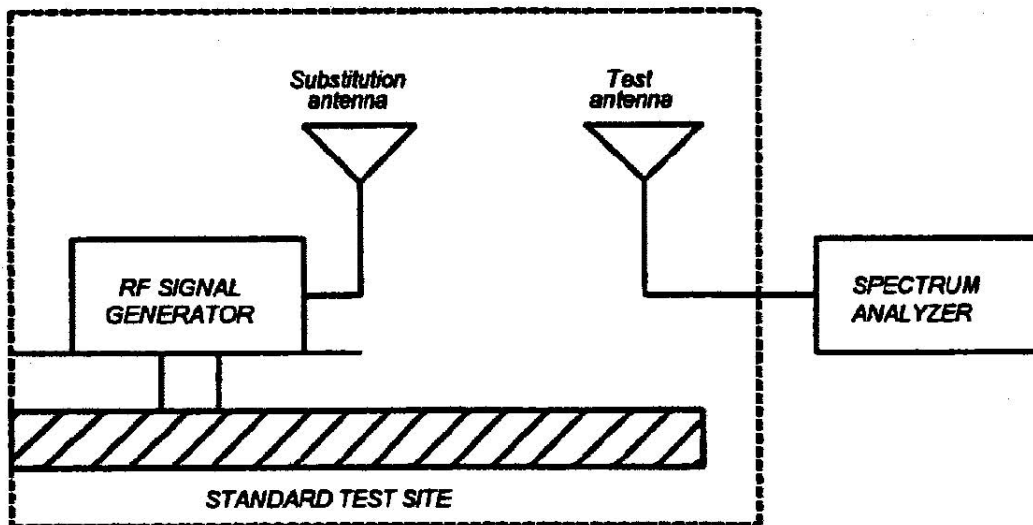
- B) Adjust the spectrum analyzer for the following settings:
- 1) Resolution Bandwidth 100 kHz (<1 GHz), 1 MHz (> 1GHz).
 - 2) Video Bandwidth \geq 3 times Resolution Bandwidth
 - 3) Sweep Speed \leq 2000 Hz/second
 - 4) Detector Mode = Mean or Average Power

C) Place the transmitter to be tested on the turntable in the standard test site. If the antenna is detachable, The transmitter is transmitting into a non-radiating load which is placed on the turntable. The RF cable to this load should be of minimum length.



Name of Test: Field Strength of Spurious Radiation (Cont.)

- D) For each spurious measurement the test antenna should cover the measured frequency. Measurements shall be made from the lowest radio frequency generated in the equipment to the tenth harmonic of the carrier, except for the region close to the carrier equal to \pm the test bandwidth (see section 1.3.4.4).
- E) For each spurious frequency, raise and lower the test antenna from 1 m to 4 m to obtain a maximum reading on the spectrum analyzer with the test antenna at horizontal polarity. Repeat this procedure to obtain the highest possible reading. Record this maximum reading.
- F) Repeat step E) for each spurious frequency with the test antenna polarized vertically.
- G) Reconnect the equipment as illustrated.
- H) Keep the spectrum analyzer adjusted as in step B).
- I) Remove the transmitter and replace it with a substitution antenna. The center of the substitution antenna should be approximately at the same location as the center of the transmitter. At lower frequencies, where the substitution antenna is very long, this will be impossible to achieve when the antenna is polarized vertically. In such case the lower end of the antenna should be 0.3 m above the ground.



Name of Test: Field Strength of Spurious Radiation (Cont.)

- J) Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a non-radiating cable. With the antennas at both ends horizontally polarized and with the signal generator tuned to a particular spurious frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output.
- K) Repeat step J) with both antennas vertically polarized for each spurious frequency.
- L) Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps J) and K) by the power loss in the cable between the generator and the antenna and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna.

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

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Issued Date June 10, 2004