FCC CFR47 PART 22H AND 24E
INDUSTRY CANADA RSS-132 AND RSS-133

CERTIFICATION TEST REPORT

FOR

CDMA/1x EVDO Rel 0 / EVDO Rev. A with 802.11b/g and Bluetooth Phone

MODEL NUMBER: P100EWW

FCC ID: O8F-CASC

IC: 3905A-CASC

REPORT NUMBER: 08U12316-1, Revision C

ISSUE DATE: MAY 01, 2009

Prepared for

PALM
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Prepared by

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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
--	02/24/09	Initial Issue	T. Chan
B	03/23/09	Updated Output Power and EUT Description	C. Pang
C	05/01/09	Updated accessories model number, updated test configurations	C. Pang

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: PALM
950 MAUDE AVENUE
SUUNYVALE, CA. 94085, UNITED STATES.

EUT DESCRIPTION: CDMA/1x EVDO Rel 0 / EVDO Rev. A with 802.11 b/g and Bluetooth Phone

MODEL: P100EWW

SERIAL NUMBER: CD20P1K97224 & CD2DP1K97235

DATE TESTED: FEBRUARY 03-12, 2009

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC PART 22H and 24E	Pass
IC RSS-132 ISSUE 2 and RSS-133 ISSUE 4	Pass

Compliance Certification Services, Inc. (CCS) tested the above equipment in accordance with the requirements set forth in the above standards. All expressions of Pass/Fail in this report are opinions expressed by CCS based on interpretations of the test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by CCS and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by CCS will constitute fraud and shall nullify the document. No part of this report may be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any government agency.

Approved & Released For CCS By: Tested By:

THU CHAN
EMC MANAGER
COMPLIANCE CERTIFICATION SERVICES

CHIN PANG
EMC ENGINEER
COMPLIANCE CERTIFICATION SERVICES

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with RSS-GEN, RSS-132, RSS-133, ANSI/TIA 603C-2004, FCC CFR 47 Part 2, and FCC CFR 47 Part 22 and 24

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

CCS is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://ts.nist.gov/Standards/scopes/2000650.htm.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Radiated Emission, 30 to 200 MHz	+/- 3.3 dB
Radiated Emission, 200 to 1000 MHz	+4.5 / -2.9 dB
Radiated Emission, 1000 to 2000 MHz	+4.5 / -2.9 dB
Power Line Conducted Emission	+/- 2.9 dB

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

CDMA/1x EVDO Rel 0 / EVDO Rev. A with 802.11b/g and Bluetooth Phone.

GENERAL INFORMATION

Power Requirements	100-240 VAC / 50-60 Hz
List of frequencies generated or used by the EUT	600MHz

ACCESSORIES

The EUT was constructed and using the following accessories:

Accessories Description	Manufacturer/ Trademark	Part Number
AC Power Adapter source #1 Input Rating: 100–240 Vac, 50/60Hz, 0.2A Output Rating: 5Vdc, 1000mA	Palm	157-10108-00/157-10114-00
AC Power Adapter source #2 Input Rating: 100–240 Vac, 50/60Hz, 0.2A Output Rating: 5Vdc, 1000mA	Palm	157-10124-00
Inductive Charging Dock Input Rating: 5Vdc, 1000mA	Palm	157-10123-00
Battery Type: Rechargeable Li-ion Polymer Rating: 3.7Vdc, 1150mAh (minimum)	Palm	157-10119-00
Wired Stereo Headset	Palm	180-10632-00
USB cable	Palm	180-10646-00

5.2. TEST CONFIGURATIONS

The following configurations were investigated during RF testing:

Configuration	Description	Mode
1	EUT (for RF conducted test)	Stand alone
2	EUT (Standard backcover for RF radiated test)	Stand alone
3	EUT (Inductive backcover for RF radiated test)	Stand alone

The following configurations were investigated during radiated emission and power line conducted emission testing:

AC Power Adapter Source #1 Part Number: 157-10108-00 / 157-10114-00

Configuration	Description	Mode
4	EUT(Standard backcover) powered by AC adapter	Charging
5	EUT(Inductive backcover) powered by AC adapter	Charging
6	EUT(Inductive backcover) powered by Inductive Charging Dock. Note: Inductive charging dock connected to AC adapter.	Charging

AC Power Adapter Source #2 Part Number: 157-10124-00

Configuration	Description	Mode
7	EUT(Standard backcover) powered by AC adapter	Charging
8	EUT(Inductive backcover) powered by AC adapter	Charging
9	EUT (Inductive backcover) powered by Inductive Charging Dock. Note: Inductive Charging Dock connected to AC adapter.	Charging

Configuration	Description	Mode
10	EUT(Standard backcover) powered by PC through USB cable	Charging
11	EUT(Inductive backcover) powered by PC through USB cable	Charging

5.3. MAXIMUM OUTPUT POWER

The transmitter has a maximum output power as follows:

Part 22 Cellular Band

Frequency range (MHz)	Modulation	Conducted		ERP (Standard Cover)		ERP (Inductive Cover)	
		dBm	mW	dBm	mW	dBm	mW
824.7 – 848.31	1xRTT (RC1, SO55)	28.51	709.6	27.3	537.0	25.6	363.1
824.7 – 848.31	EV-DO - REV A	28.49	706.3	27.3	537.0	26.3	426.6

Part 24 PCS Band

Frequency range (MHz)	Modulation	Conducted		EIRP(Standard Cover)		EIRP(Inductive Cover)	
		dBm	mW	dBm	mW	dBm	mW
1851.25 – 1908.8	1xRTT (RC1, SO55	28.75	749.9	27.5	562.3	26.7	467.7
1851.25 – 1908.8	EV-DO - REV A	28.67	736.2	26.9	489.8	27.8	602.6

5.4. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a monopole antenna for the 900MHz and 1800MHz bands with a maximum gain of 3.1 dBi.

5.5. SOFTWARE AND FIRMWARE

The EUT is linked with Agilent Communication Test Set.

5.6. WORST-CASE CONFIGURATION AND MODE

The worst-case channel for RF radiated emissions below 1GHz and AC conducted emissions are determined as the channel with the AC Power Adapter Source #1 Part Number: 157-10108-00 / 157-10114-00 and Configuration 1: EUT (Standard backcover) powered by AC adapter.

Based on the investigation results, the highest peak power and enhanced data rate is the worst-case scenario for all measurements.

Worst case modes:
- For Cellular and PCS band: 1xRTT (RC1 SO55)
- For Cellular and PCS band: EVDO-Rev A

The worst-case configuration has been evaluated on EUT with antenna @ Y-position for both 850MHz and 1900MHz bands by comparing the fundamental ERP / EIRP output power.

5.7. LIST OF TEST ITEMS

Description of test	Rule part		Results
	FCC	IC	
1. RF Power Output	§2.1046	RSS-132, 4.4; RSS-133, 6.4;	Complies
2. Occupied Bandwidth	§2.1049	RSS-Gen, 4.6	--
3. Block Edge (Band Edge)	§22.359, §24.238	RSS-132, 4.5; RSS-133, 6.5	Complies
4. Out of Band Emissions	§2.1051, §22.917, §24.238	RSS-132, 4.5; RSS-133, 6.5	Complies
5. Frequency Stability	§2.1055, §22.355, §24.235	RSS-132, 4.3; RSS-133, 6.3	Complies
6. Radiated Power (ERP & EIRP)	§2.1046, §22.913, §24.232	RSS-132; 4.4, RSS-133, 6.4	Complies
7. Field Strength of Spurious Radiation	§2.1053, §22.917, §24.238	RSS-132, 4.5; RSS-233, 6.5	Complies
8. Receiver Spurious Emissions (IC only)	n/a	RSS-132, 4.6; RSS-133, 6.6, RSS-Gen	Complies

5.8. DESCRIPTION OF TEST SETUP

I/O CABLES (RF CONDUCTED TEST)

I/O CABLE LIST						
Cable No.	Port	# of Identica Ports	Connector Type	Cable Type	Cable Length	Remarks
1	AC	1	US 115V	Un-shielded	2m	NA
2	DC	1	DC	Un-shielded	2m	NA
3	Directional	1	Spectrum Analyzer	Un-shielded	1m	NA
4	RF In/Out	1	Communications Test Set	Un-shielded	1m	NA
5	Directional	1	EUT	Un-shielded	NA	NA

I/O CABLES (RF RADIATED TEST)

I/O CABLE LIST						
Cable No.	Port	# of Identic Ports	Connector Type	Cable Type	Cable Length	Remarks
1	AC	1	US 115V	Un-shielded	2m	NA
2	DC	1	DC	Un-shielded	2m	NA
3	RF In/Out	1	Horn	Un-shielded	1m	NA

I/O CABLES (POWER LINE CONDUCTED EMISSION TEST)

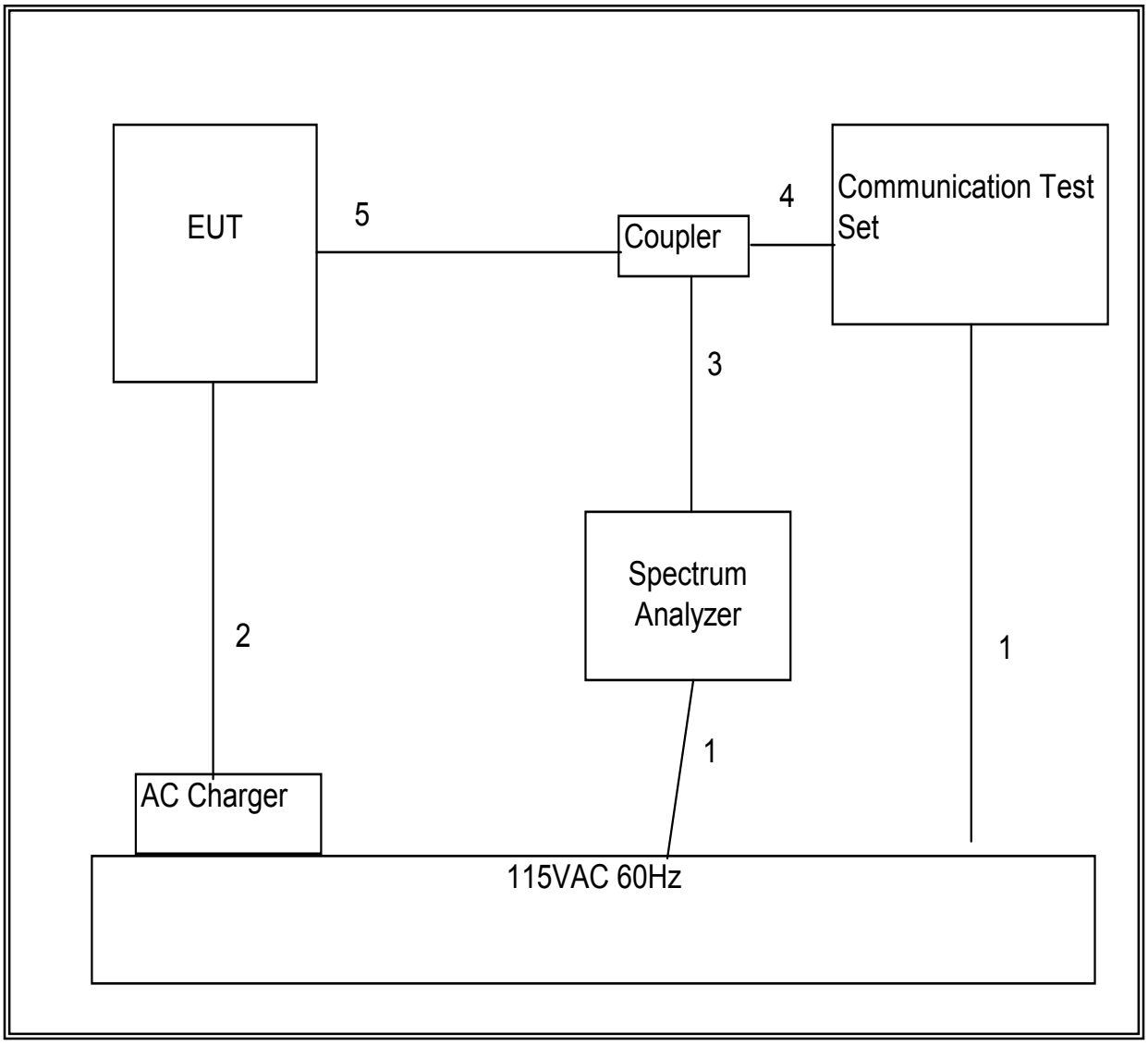
I/O CABLE LIST						
Cable No.	Port	# of Identica Ports	Connector Type	Cable Type	Cable Length	Remarks
1	Link	1	USB	Un-shielded	1.5m	N/A
2	Ear phone	1	jack	Un-shielded	1.2m	N/A
3	DC	1	DC	Unshielded	1.8 m	N/A
4	AC	1	AC	Unshielded	0.9 m	N/A
5	AC	1	USB	Un-shielded	1.5m	N/A

TEST SETUP

The EUT is a stand-alone device. The Wireless Communication test set exercised the EUT.

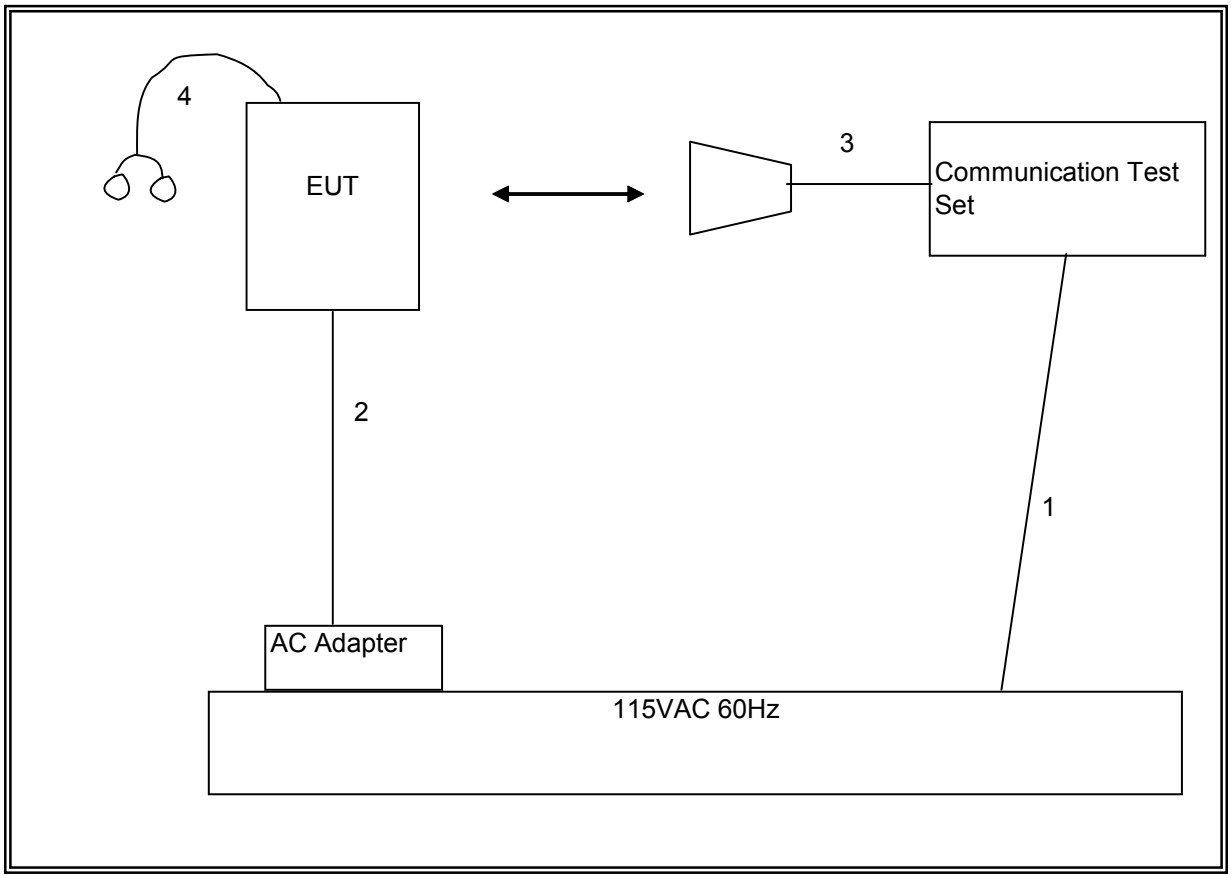
SETUP DIAGRAM FOR RF CONDUCTED TESTS

Configuration 1: EUT for RF conducted test

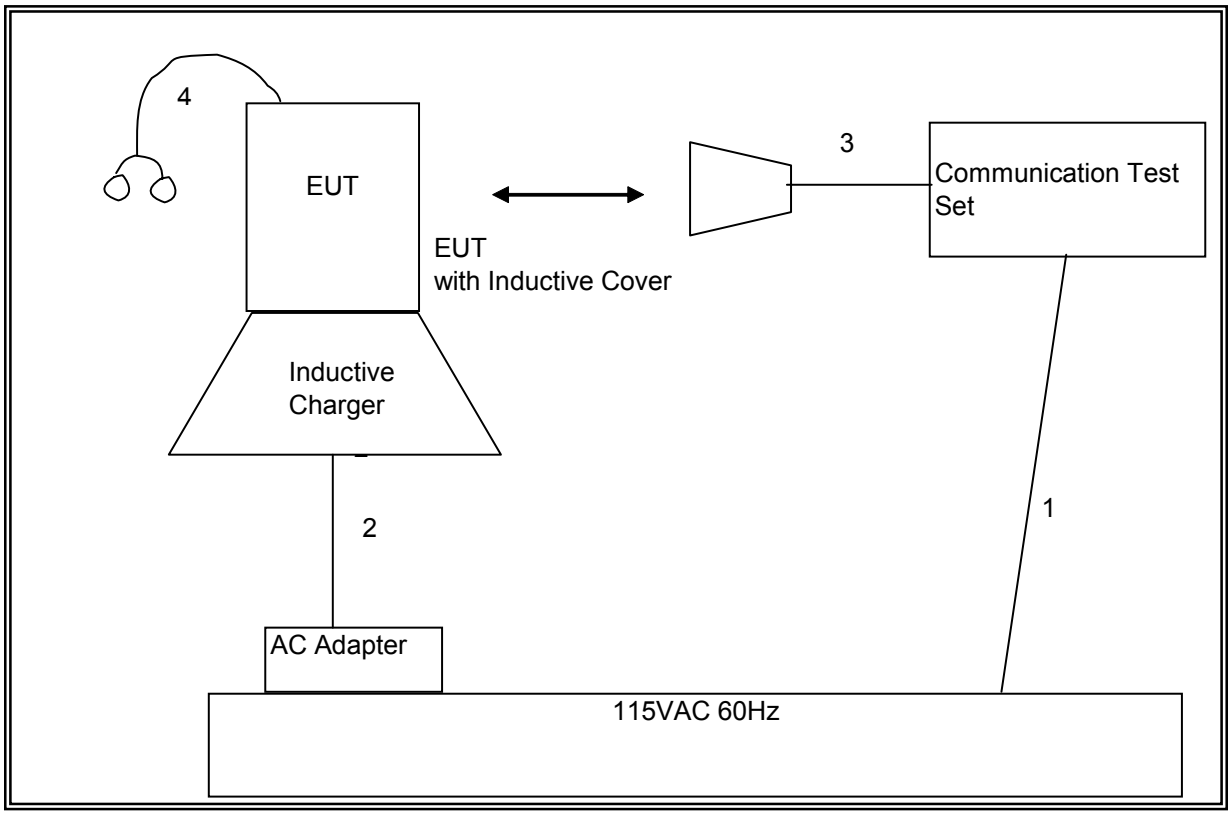


SETUP DIAGRAM FOR RF RADIATED TESTS)

Configuration 2: EUT (standard backcover for RF radiated test)



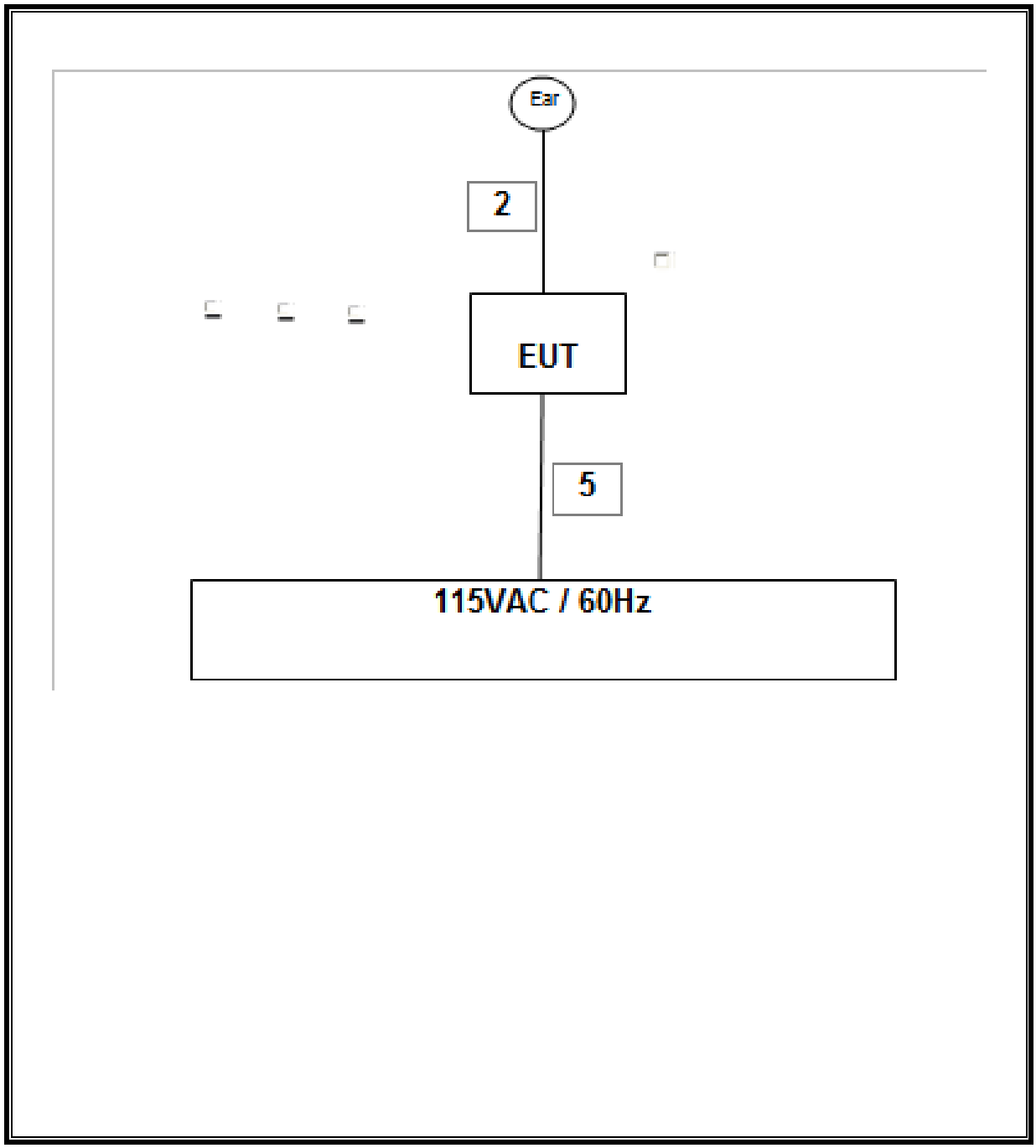
Configuration 3: EUT (Inductive backcover for RF radiated test)



SETUP DIAGRAM FOR POWER LINE CONDUCTED EMISSION TEST

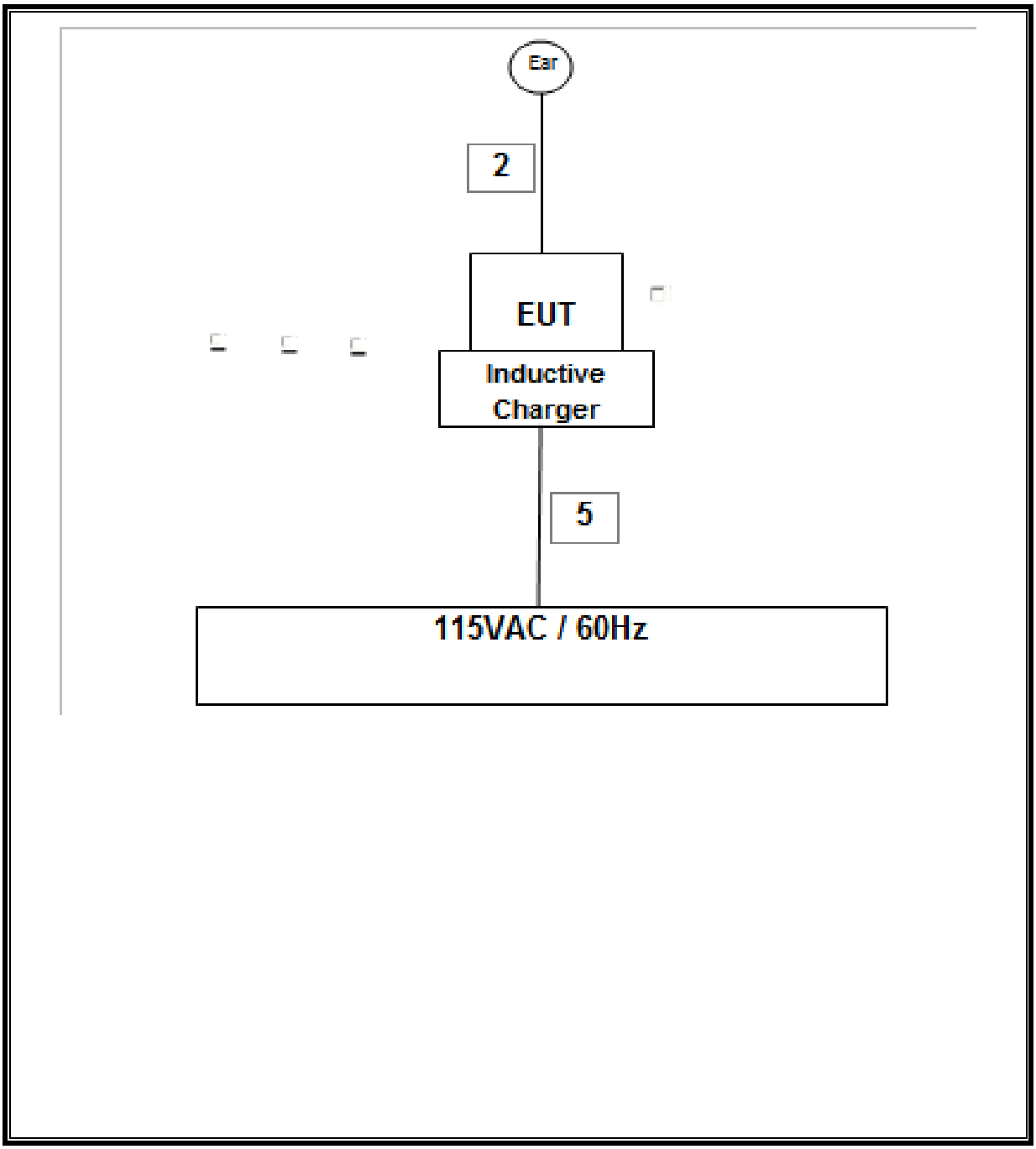
Configuration 4 & 7: EUT (Standard backcover) powered by AC adapter &

Configuration 5 & 8: EUT (Inductive backcover) powered by AC adapter



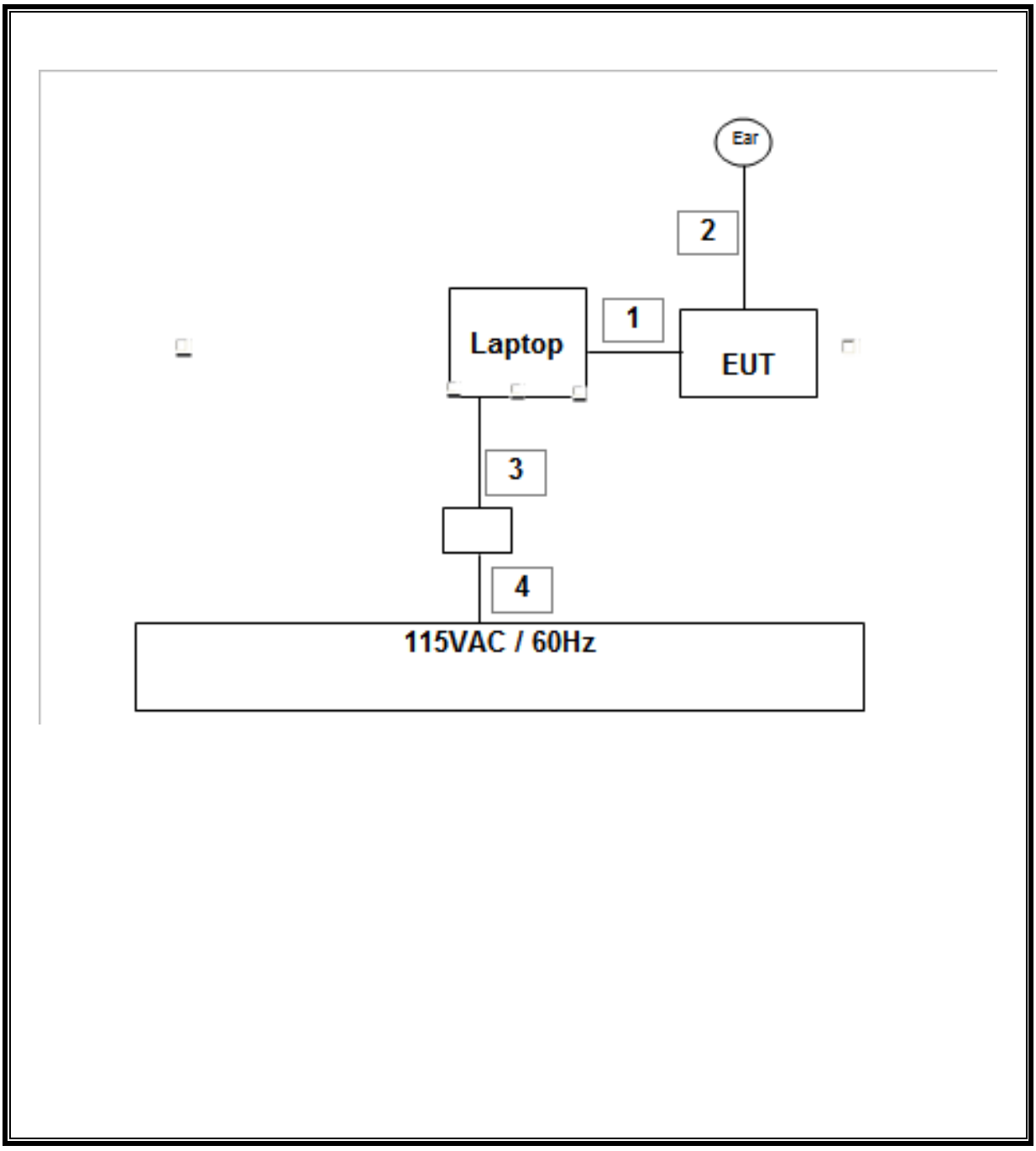
Configuration 6 & 9: EUT (Inductive backcover) powered by Inductive Charging Dock

Note: Inductive Charging Dock connected to AC adapter



Configuration 10: EUT (Standard backcover) powered by PC through USB cable

Configuration 11: EUT (Inductive backcover) powered by PC through USB cable



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

TEST EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Asset**	**Cal Due**
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C01012	03/03/09
Antenna, Bilog, 2 GHz	Sunol Sciences	JB1	C01011	02/11/10
Preamplifier, 1300 MHz	Agilent / HP	8447D	C00885	03/31/09
Antenna, Horn, 18 GHz	EMCO	3115	C00945	04/22/09
Preamplifier, 26.5 GHz	Agilent / HP	8449B	C01063	08/05/09
EMI Receiver, 2.9 GHz	Agilent / HP	8542E	C00957	09/19/09
RF Filter Section, 2.9 GHz	Agilent / HP	85420E	C00958	09/19/09
EMI Test Receiver, 30 MHz	R & S	ESHS 20	N02396	08/06/09
Communications Test Set	Agilent / HP	E5515C	C01086	06/16/09
LISN, 30 MHz	FCC	LISN-50/250-25-2	N02625	10/29/09
Temperature / Humidity Chamber	Thermotron	SE 600-10-10	C00930	05/13/09
Highpass Filter, 1.5 GHz	Micro-Tronics	HPM13193	N02689`	CNR
Highpass Filter, 2.7 GHz	Micro-Tronics	HPM13194	N02687	CNR
Directional Coupler, 18 GHz	Krytar	1817	N02656	CNR
Signal Generator, 20 GHz	Agilent / HP	83732B	C00774	07/03/09
Antenna, Tuned Dipole 400~1000 MHz	ETS	3121C DB4	C00993	06/28/09

7. RF POWER OUTPUT VERIFICATION

Maximum output power is verified on the Low, Middle and High channels according to procedures in section 4.4.5.2 of 3GPP2 C.S0011/TIA-98-E for 1xRTT, section 3.1.2.3.4 of 3GPP2 C.S0033-0/TIA-866 for Rel. 0 and section 4.3.4 of 3GPP2 C.S0033-A for Rev. A

7.1. RF POWER OUTPUT FOR 1xRTT

This procedure assumes the Agilent 8960 Test Set has the following applications installed and with valid license.

Application	Rev, License
CDMA2000 Mobile Test	B.13.08, L

- Call Setup > Shift & Preset
- Cell Info > Cell Parameters > System ID (SID) > 8
  > Network ID (NID) > 65535
- Protocol Rev > 6 (IS-2000-0)
- Radio Config (RC) > Please see following table or details
- FCH Service Option (SO) Setup > Please see following table or details
- Traffic Data Rate > Full
- TDSO SCH Info > F-SCH Parameters > F-SCH Data Rate > 153.6 kbps
  > R-SCH Parameters > R-SCH Data Rate > 153.6 kbps
- Rvs Power Ctrl > Active bits
  - Rvs Power Ctrl > All Up bits (Maximum TxPout)

RF Power Output Results for 1XRTT

RF Power Output for 1xRTT - Cell Band							
Radio Configuration (RC)	Service Option (SO)	Conducted Output Power (dBm)					
		Ch. 1013/824.7MHz		Ch. 384/836.52MHz		Ch. 777/848.31MHz	
		Average	Peak	Average	Peak	Average	Peak
RC1 (Fwd1, Rvs1)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.35	28.16	24.30	28.25	24.22	28.47
	3 (Voice)	24.30	28.33	24.34	28.38	24.32	28.48
	55 (Loopback)	24.40	28.28	24.44	**28.51**	24.27	28.32
	68 (Voice)	24.32	28.36	24.35	28.35	24.36	28.41
RC2 (Fwd2, Rvs2)	9 (Loopback)	24.37	28.46	24.35	28.36	24.3	28.35
	17 (Voice)	24.36	28.31	24.37	28.33	24.37	28.42
	55 (Loopback)	24.32	28.29	23.34	28.36	24.27	28.35
	32768 (Voice)	24.38	28.36	24.35	28.47	24.38	28.28
RC3 (Fwd3, Rvs3)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.37	27.96	24.35	28.17	24.20	28.2
	3 (Voice)	24.30	27.90	24.30	28.17	24.20	28.27
	55 (Loopback)	24.42	28.00	**24.45**	28.01	24.27	28.10
	32 (+ F-SCH)	24.33	27.94	**24.35**	28.10	24.25	28.20
	32 (+ SCH)	24.20	27.81	24.10	28.19	24.20	28.10
	68 (Voice)	23.87	27.55	24.05	27.80	24.05	28.15
RC4 (Fwd4, Rvs3)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.20	27.82	24.32	28.03	24.20	28.07
	3 (Voice)	24.22	27.95	24.28	28.10	24.10	24.14
	55 (Loopback)	24.37	28.00	24.30	28.17	24.10	27.93
	32 (+ F-SCH)	24.10	27.87	24.37	28.11	24.12	28.02
	32 (+ SCH)	24.10	27.89	24.12	28.09	24.12	28.17
	68 (Voice)	24.20	28.01	24.35	28.18	24.10	28.04
RC5 (Fwd5, Rvs4)	9 (Loopback)	24.22	27.82	24.35	28.03	24.20	28.44
	17 (Voice)	24.20	28.05	24.36	28.09	24.33	28.16
	55 (Loopback)	24.25	28.01	24.18	28.02	24.25	28.01
	32768 (Voice)	24.26	27.74	24.31	27.91	24.16	28.17

RF Power Output Results for 1XRTT

RF Power Output for 1xRTT - PCS Band							
Radio Configuration (RC)	Service Option (SO)	Conducted Output Power (dBm)					
		Ch. 25/1851.25MHz		Ch. 600/1880MHz		Ch. 1175/1908.75 MHz	
		Average	Peak	Average	Peak	Average	Peak
RC1 (Fwd1, Rvs1)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.10	28.71	24.10	28.44	24.03	28.30
	3 (Voice)	24.13	28.24	24.13	28.34	24.00	28.60
	55 (Loopback)	24.00	28.75	24.12	**28.75**	24.05	28.33
	68 (Voice)	24.15	28.35	24.25	28.69	24.04	28.55
RC2 (Fwd2, Rvs2)	9 (Loopback)	24.10	28.44	24.14	28.61	23.90	28.63
	17 (Voice)	24.19	28.68	24.17	28.43	24.07	28.42
	55 (Loopback)	24.13	28.61	24.12	28.48	24.10	28.51
	32768 (Voice)	24.10	28.73	24.18	28.60	24.15	28.49
RC3 (Fwd3, Rvs3)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.07	28.36	24.10	28.39	23.80	28.29
	3 (Voice)	23.95	28.52	24.00	28.56	23.91	28.13
	55 (Loopback)	23.94	28.64	**24.15**	28.28	23.92	28.12
	32 (+ F-SCH)	24.03	28.33	**24.14**	28.34	24.01	28.39
	32 (+ SCH)	24.03	28.25	24.05	28.45	23.85	28.06
	68 (Voice)	23.90	28.47	24.01	28.26	24.00	28.28
RC4 (Fwd4, Rvs3)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	23.96	28.58	23.92	28.41	23.80	28.52
	3 (Voice)	23.92	28.65	23.91	28.32	23.82	28.40
	55 (Loopback)	23.96	28.56	23.90	28.43	23.77	28.32
	32 (+ F-SCH)	23.92	28.69	23.93	28.34	23.81	28.09
	32 (+ SCH)	23.92	28.18	23.84	28.12	23.75	28.51
	68 (Voice)	23.71	28.29	23.92	28.25	23.80	28.20
RC5 (Fwd5, Rvs4)	9 (Loopback)	23.90	28.34	23.95	28.28	23.80	28.46
	17 (Voice)	23.70	28.61	23.88	28.27	23.80	28.18
	55 (Loopback)	23.90	28.13	23.91	28.22	23.79	28.07
	32768 (Voice)	23.71	28.46	23.88	28.32	23.72	28.20

7.2. RF POWER OUTPUT FOR EVDO REV 0

This procedure assumes the Agilent 8960 Test Set has the following applications installed and with valid license.

Application	Rev, License
1xEV-DO Terminal Test	A.09.13

EVDO Release 0 - RTAP

- Call Setup > Shift & Preset
- Call Control:
  - Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
  - Generator Info > Termination Parameters > Max Forward Packet Duration > 16 Slots
- Call Parms:
  - Cell Power > -105.5 dBm/1.23 MHz
  - Cell Band > (Select US Cellular or US PCS)
  - Channel > (Enter channel number)
  - Application Config > Enhanced Test Application Protocol > RTAP
  - RTAP Rate > 153.6 kbps
  - Rvs Power Ctrl > Active bits
  - Protocol Rel > 0 (1xEV-DO)
- Press “Start Data Connection” when “Session Open” appear in “Active Cell”
- Rvs Power Ctrl > All Up bits (Maximum TxPout)

EVDO Release 0 - FTAP

- Call Setup > Shift & Preset
- Call Control:
  - Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
  - Generator Info > Termination Parameters > Max Forward Packet Duration > 16 Slots
- Call Parms:
  - Cell Power > -105.5 dBm/1.23 MHz
  - Cell Band > (Select US Cellular or US PCS)
  - Channel > (Enter channel number)
  - Application Config > Enhanced Test Application Protocol > FTAP (default)
  - FTAP Rate > 307.2 kbps (2 Slot, QPSK)
  - Rvs Power Ctrl > Active bits
  - Protocol Rel > 0 (1xEV-DO)
- Press “Start Data Connection” when “Session Open” appear in “Active Cell”
- Rvs Power Ctrl > All Up bits (Maximum TxPout)

RF Power Output for EV-DO Rel 0

Cell Band

FTAP Rate	RTAP Rate	Channel	f (MHz)	Conducted power (dBm)	
				Average	Peak
307.2 kbps (2 slot, QPSK)	153.6 kbps	1013	824.70	23.68	27.82
		384	836.52	23.77	28.13
		777	848.31	23.77	28.04

PCS Band

FTAP Rate	RTAP Rate	Channel	f (MHz)	Conducted power (dBm)	
				Average	Peak
307.2 kbps (2 slot, QPSK)	153.6 kbps	25	1851.25	23.29	28.30
		600	1880.00	23.50	28.53
		1175	1908.75	23.38	28.22

7.3. RF POWER OUTPUT FOR EVDO REV A

This procedure assumes the Agilent 8960 Test Set has the following applications installed and with valid license.

Application	Rev, License
1xEV-DO Terminal Test	A.09.13

EVDO Release A – RETAP
- Call Setup > Shift & Preset
- Cell Power > -60 dBm/1.23 MHz
- Protocol Rev > A (1xEV-DO-A)
- Application Config > Enhanced Test Application Protocol > RETAP
- R-Data Pkt Size > 4096
- Protocol Subtype Config > Release A Physical Layer Subtype > Subtype 2 > PL Subtype 2 Access Channel MAC Subtype > Default (Subtype 0)
- Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
- Generator Info > Termination Parameters > Max Forward Packet Duration >16 Slots > ACK R-Data After > Subpacket 0 (All ACK)
- Rvs Power Ctrl > All Up bits (to get the maximum power)

EVDO Release A - FETAP
- Call Setup > Shift & Preset
- Cell Power > -60 dBm/1.23 MHz
- Protocol Rev > A (1xEV-DO-A)
- Application Config > Enhanced Test Application Protocol > FETAP
- F-Traffic Format > 4 (1024, 2,128) Canonical (307.2k, QPSK)
- Protocol Subtype Config > Release A Physical Layer Subtype > Subtype 2 > PL Subtype 2 Access Channel MAC Subtype > Default (Subtype 0)
- Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
- Generator Info > Termination Parameters > Max Forward Packet Duration >16 Slots > ACK R-Data After > Subpacket 0 (All ACK)
- Rvs Power Ctrl > All Up bits (to get the maximum power)

RF Power Output Results for EV-DO Rev A

Cell Band

FETAP-Traffic Format	RETAP-Data Payload Size	Channel	f (MHz)	Conducted power (dBm)	
				Average	Peak
307.2k, QPSK/ ACK channel is transmitted at all the slots	4096	1013	824.70	23.87	28.49
		384	836.52	24.04	28.47
		777	848.31	23.90	28.13

PCS Band

FETAP-Traffic Format	RETAP-Data Payload Size	Channel	f (MHz)	Conducted power (dBm)	
				Average	Peak
307.2k, QPSK/ ACK channel is transmitted at all the slots	4096	25	1851.25	23.94	28.66
		600	1880.00	24.08	28.58
		1175	1908.75	23.92	28.67

8. CONDUCTED TEST RESULTS

8.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049
IC: RSS-Gen, 4.6

LIMITS

For reporting purposes only

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The –26dB bandwidth was also measured and recorded.

MODES TESTED

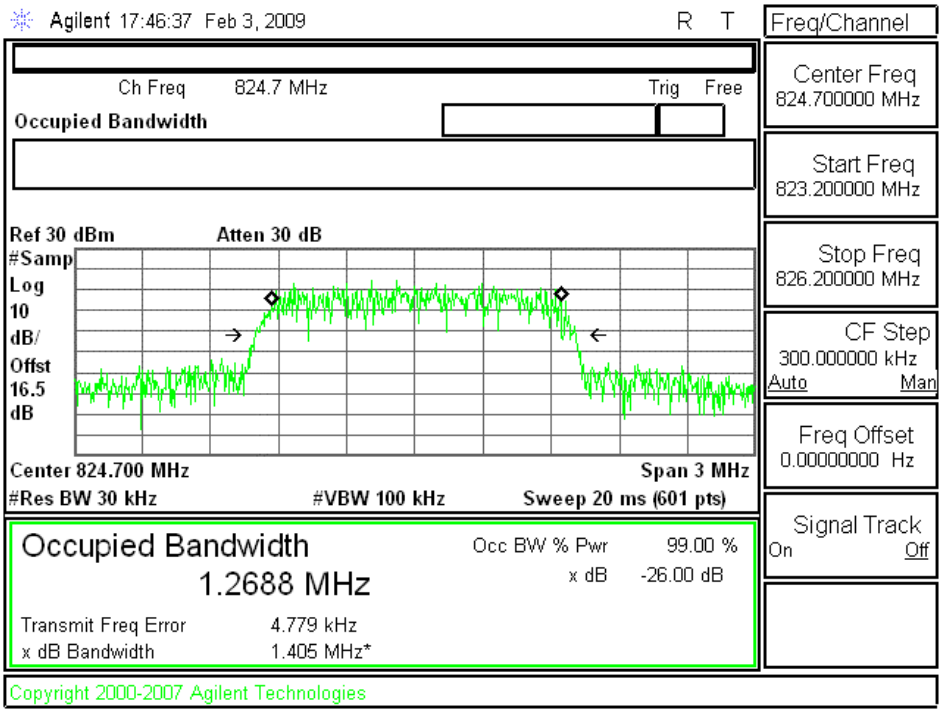
- 1xRTT - RC1, SO55
- EV-DO - REV A

RESULTS

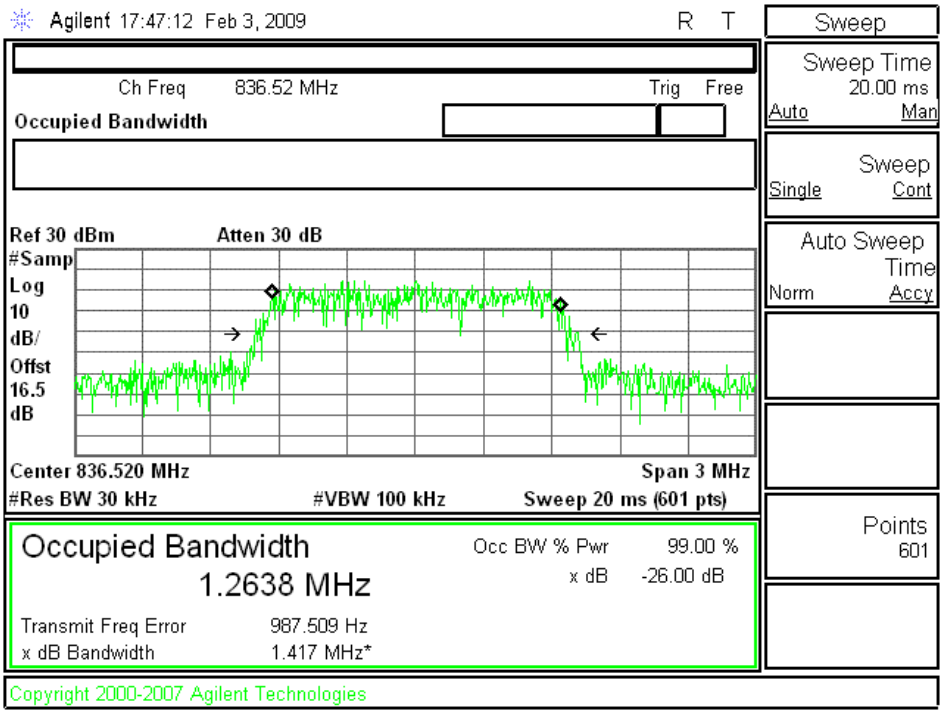
Band	Mode	Channel	f (MHz)	99% BW (MHz)	-26dB BW MHz)
Cellular	1xRTT	1013	824.70	1.2688	1.405
		384	836.52	1.2638	1.417
		777	848.31	1.2695	1.381
	EV-DO REV A	1013	824.70	1.2658	1.406
		384	836.52	1.2640	1.373
		777	848.31	1.2692	1.408
PCS	1xRTT	25	1851.25	1.2624	1.380
		600	1880.0	1.2676	1.394
		1175	1908.75	1.2629	1.410
	EV-DO REV A	25	1851.25	1.2783	1.382
		600	1880.0	1.2747	1.397
		1175	1908.75	1.2795	1.392

Plots for 1xRTT Mode (Cellular Band)

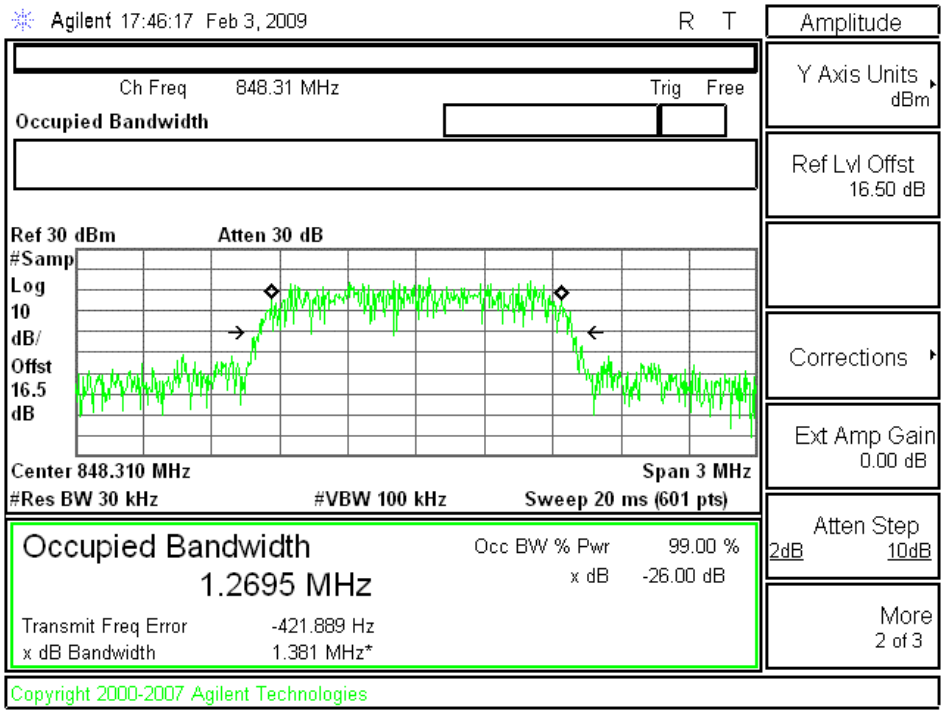
1xRTT Ch 1013



1xRTT, Ch 384

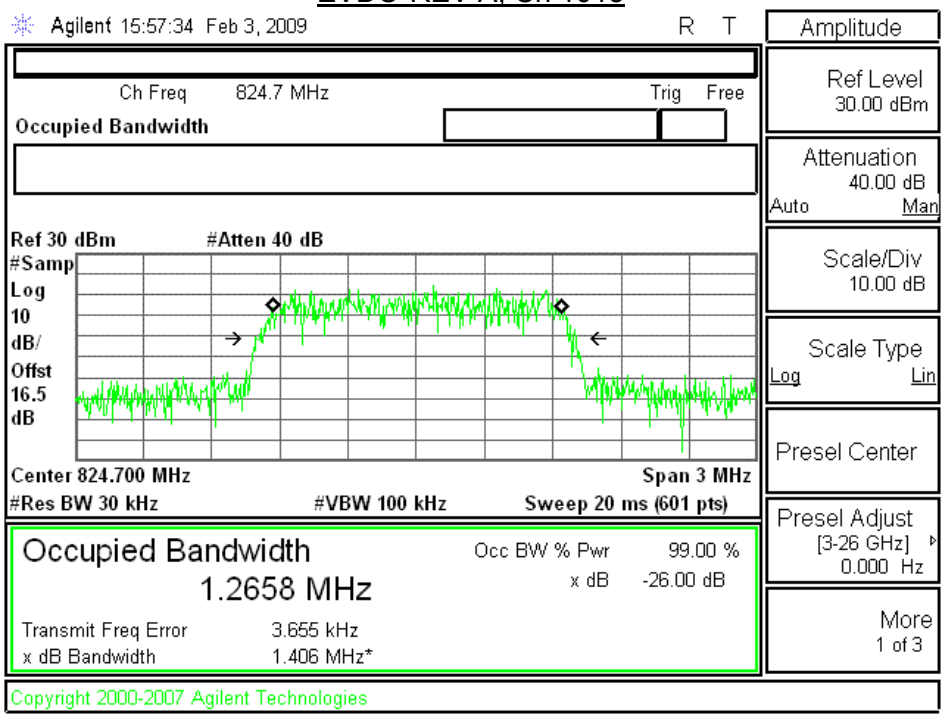


1xRTT Ch 777

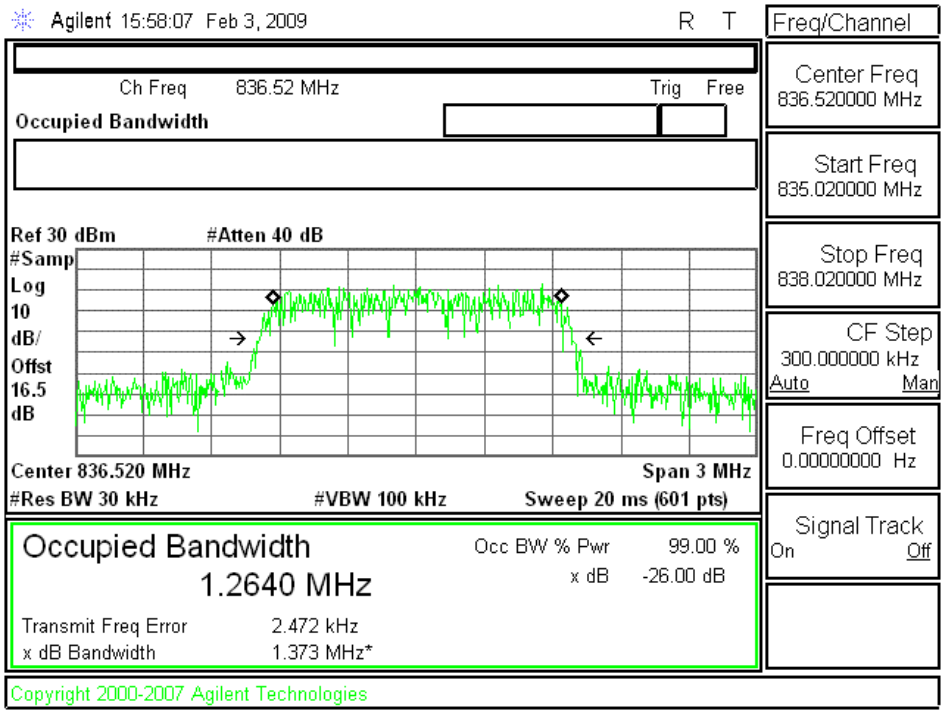


Plots for EVDO-REV A Mode (Cellular Band)

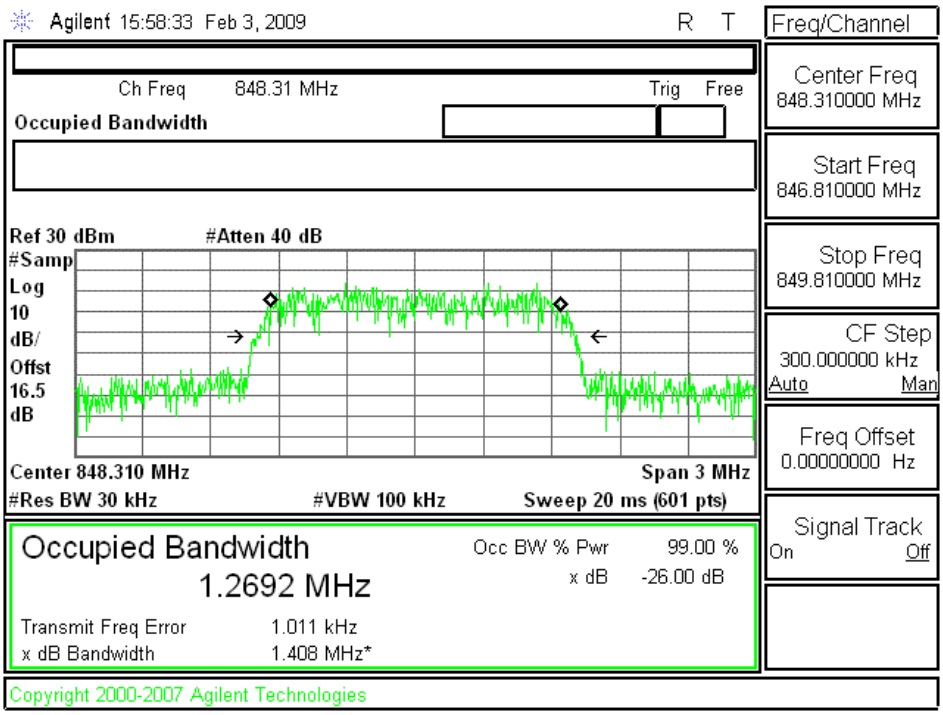
EVDO-REV A, Ch 1013



EVDO-REV A, Ch 384

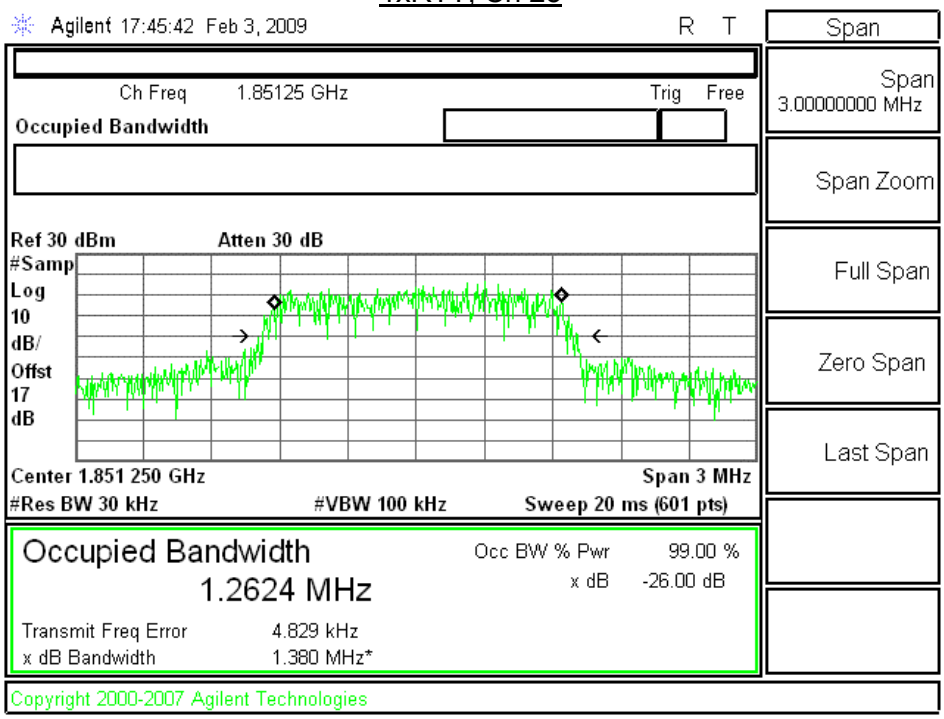


EVDO-REV A Ch 777

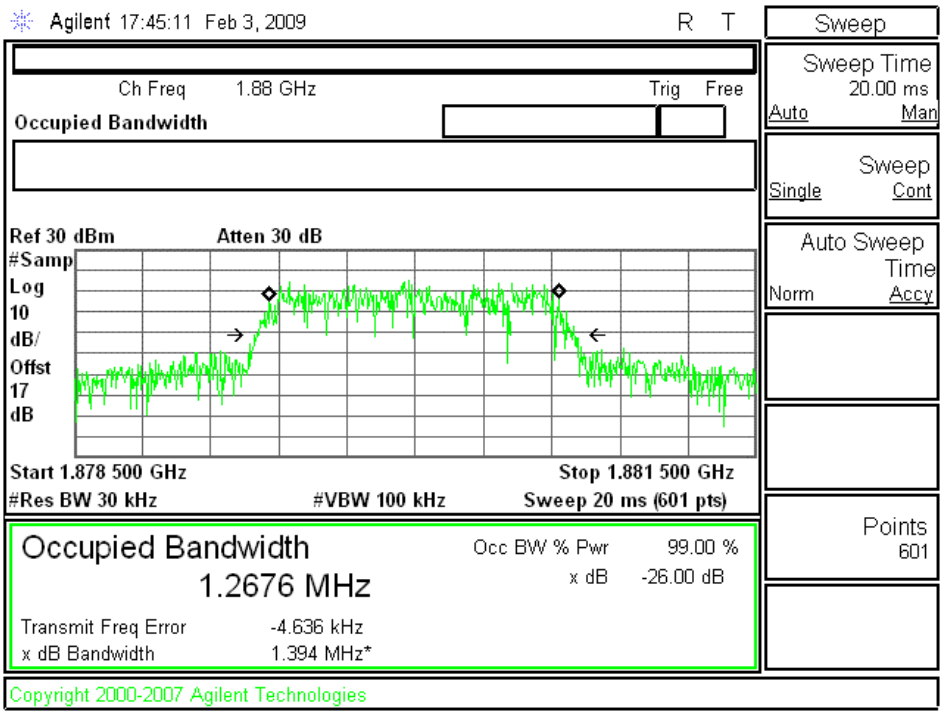


Plots for 1xRTT Mode (PCS Band)

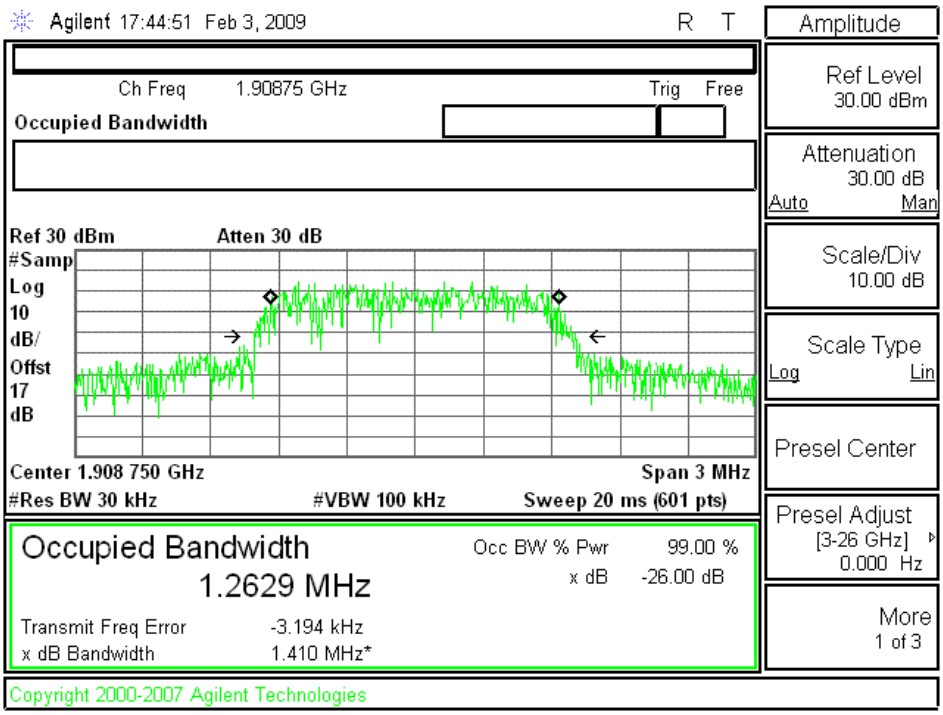
1xRTT, Ch 25



1xRTT, Ch 600

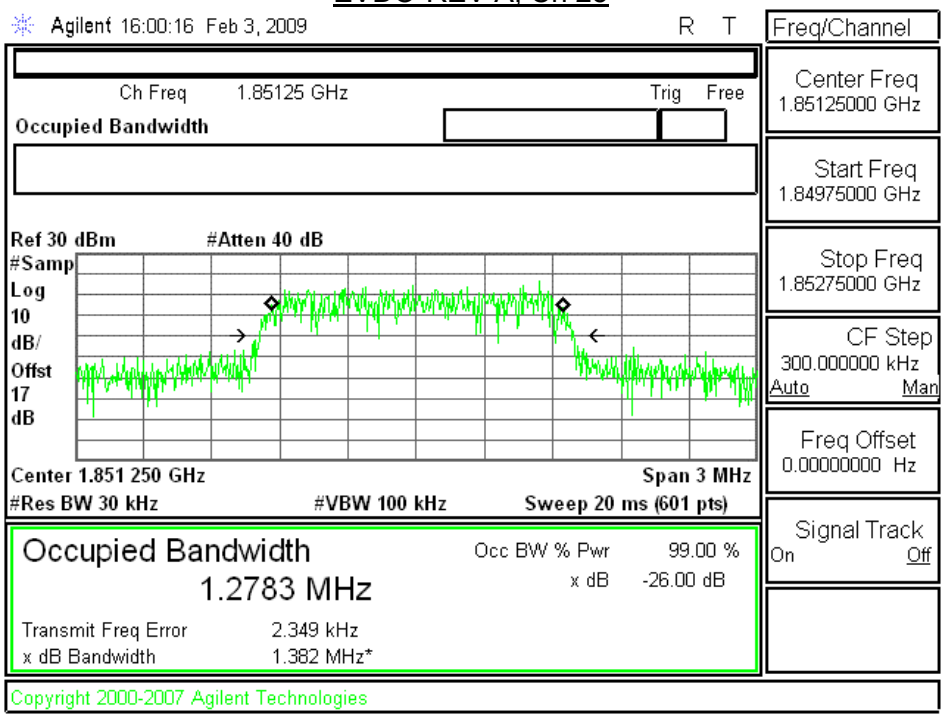


1xRTT, Ch 1175

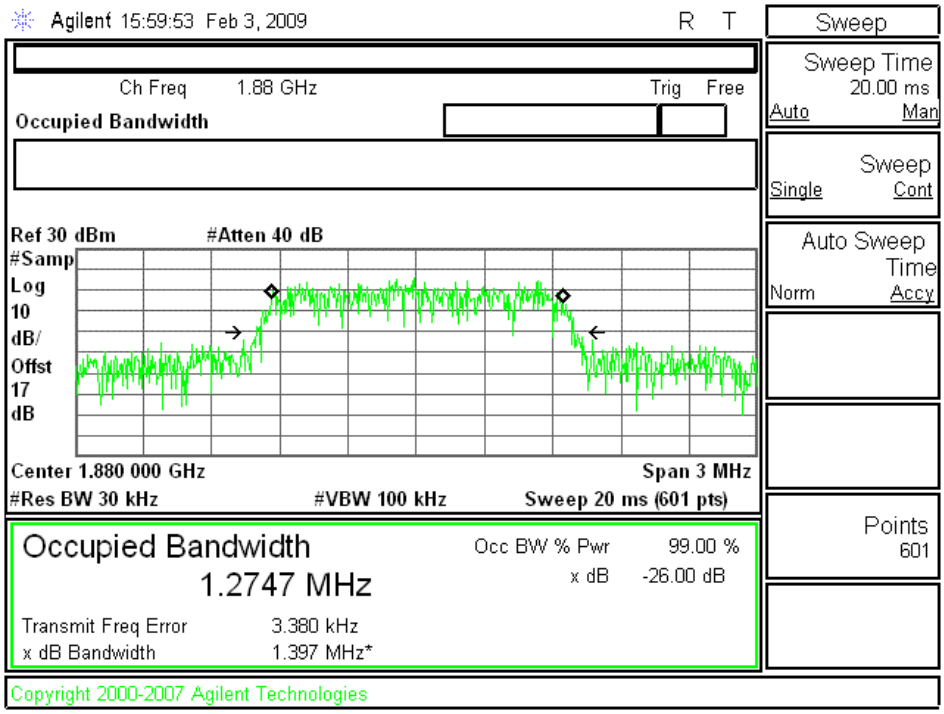


Plots for EVDO, REV A Mode (PCS Band)

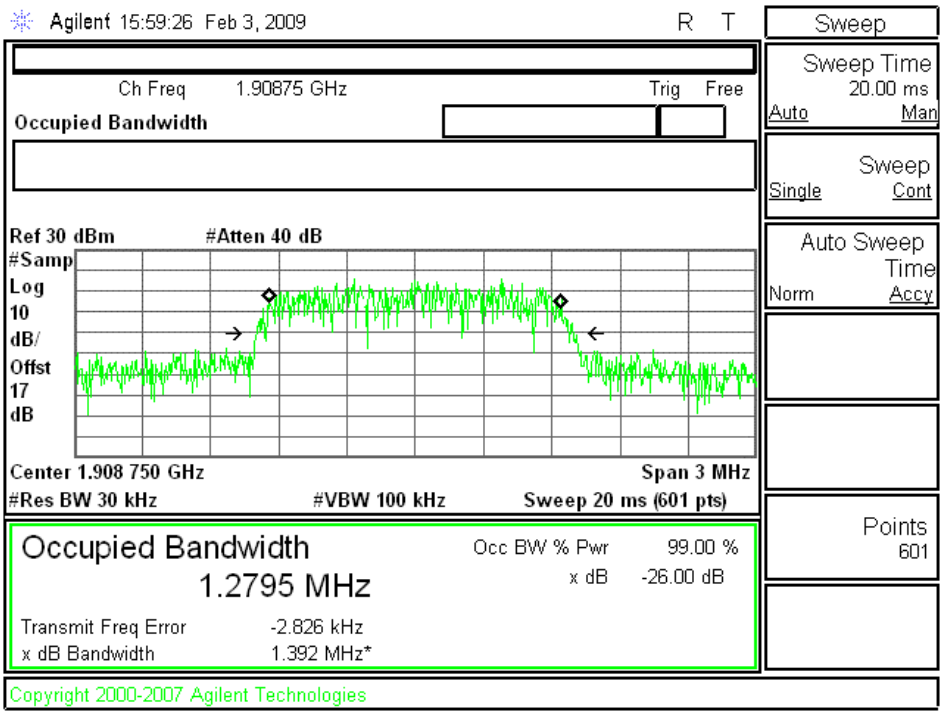
EVDO-REV A, Ch 25



EVDO-REV A, Ch 600



EVDO-REV A, Ch 1175



8.2. BAND EDGE

RULE PART(S)

FCC: §22.359, 24.238
IC: RSS-132, 4.5; RSS-133, 6.5

LIMITS

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

TEST PROCEDURE

The transmitter output was connected to a Agilent 8960 Test Set and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.
For each band edge measurement:

- Set the spectrum analyzer span to include the block edge frequency (824, 848, 1850, 1910MHz)
- Set a marker to point the corresponding band edge frequency in each test case.
- Set display line at -13 dBm
- Set resolution bandwidth to at least 1% of emission bandwidth.

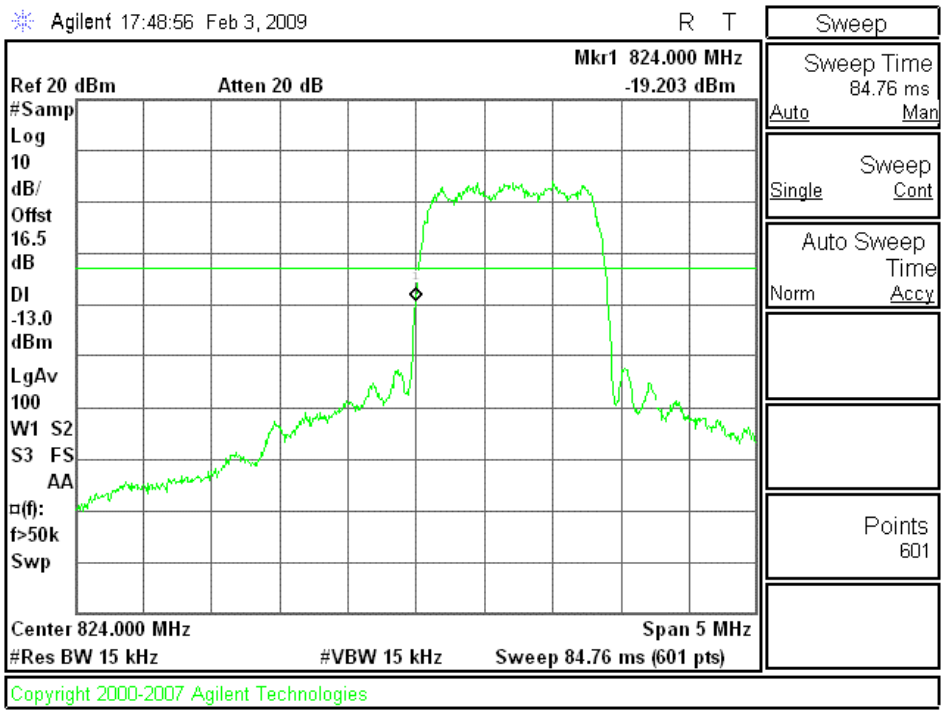
MODES TESTED

- 1xRTT - RC1, SO55
- EV-DO - REV A

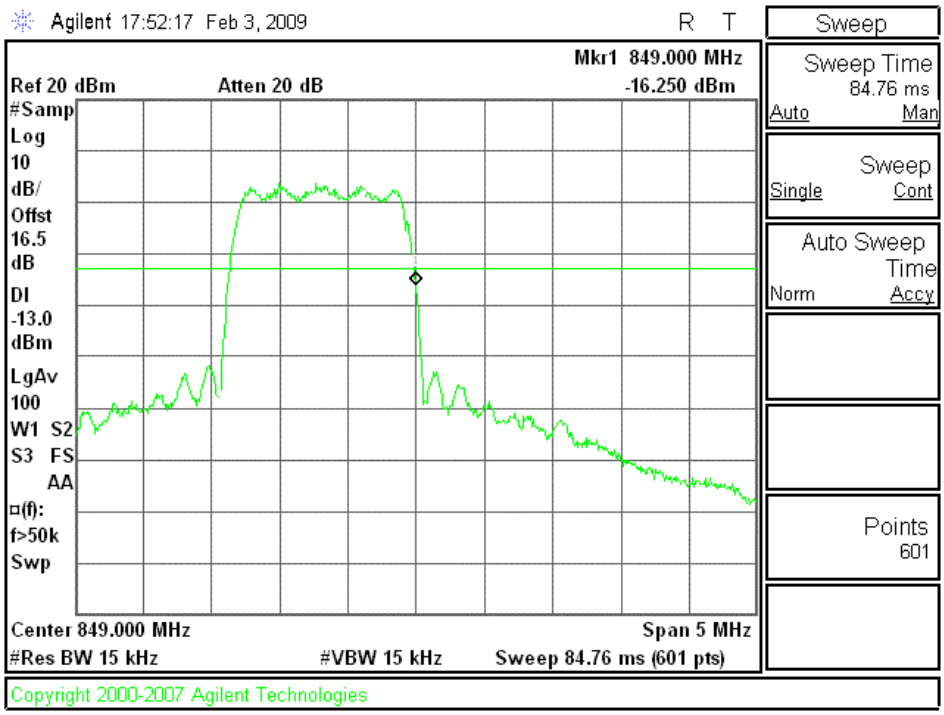
RESULTS

Plots for 1xRTT mode (Cellular Band)

1xRTT, Ch 1013 (824.7 MHz)

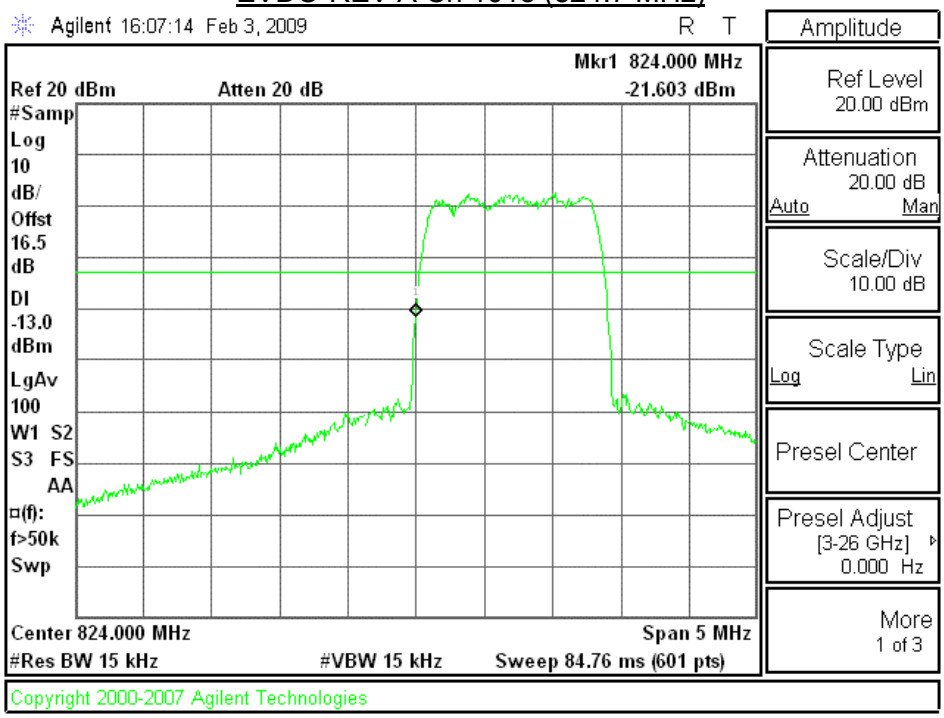


1xRTT, Ch 777 (848.31 MHz)

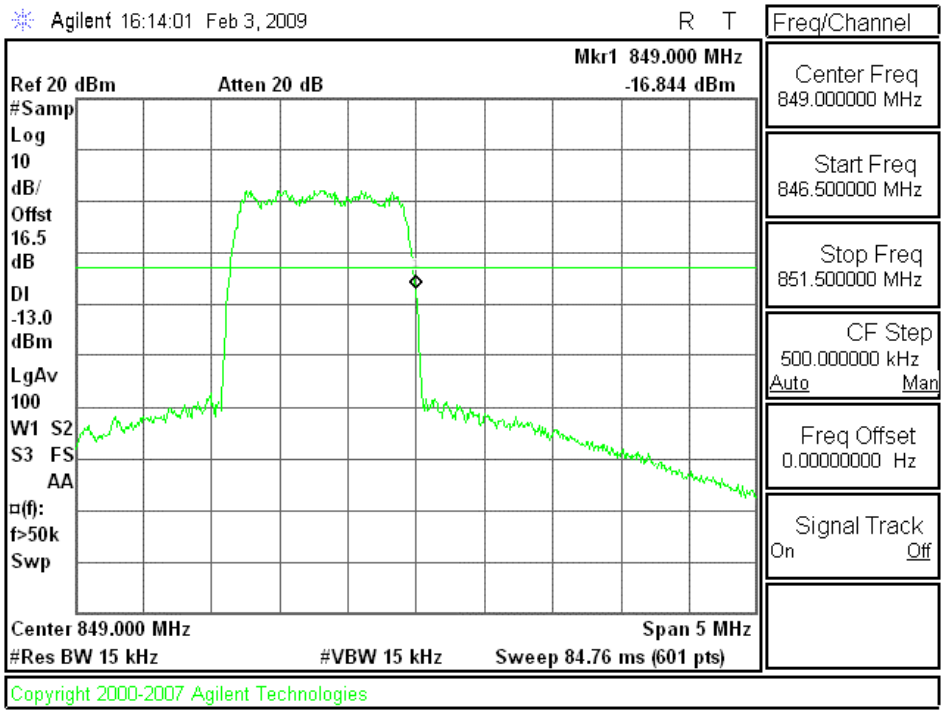


Plots for EVDO-REV A mode (Cellular Band)

EVDO-REV A Ch 1013 (824.7 MHz)

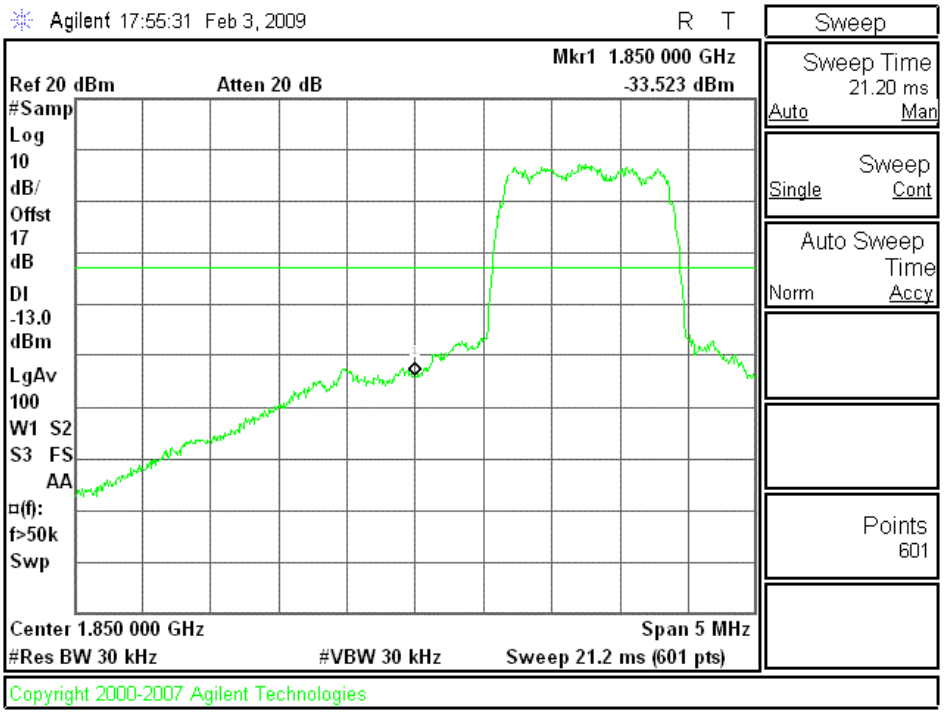


EVDO-REV A, Ch 777 (848.31 MHz)

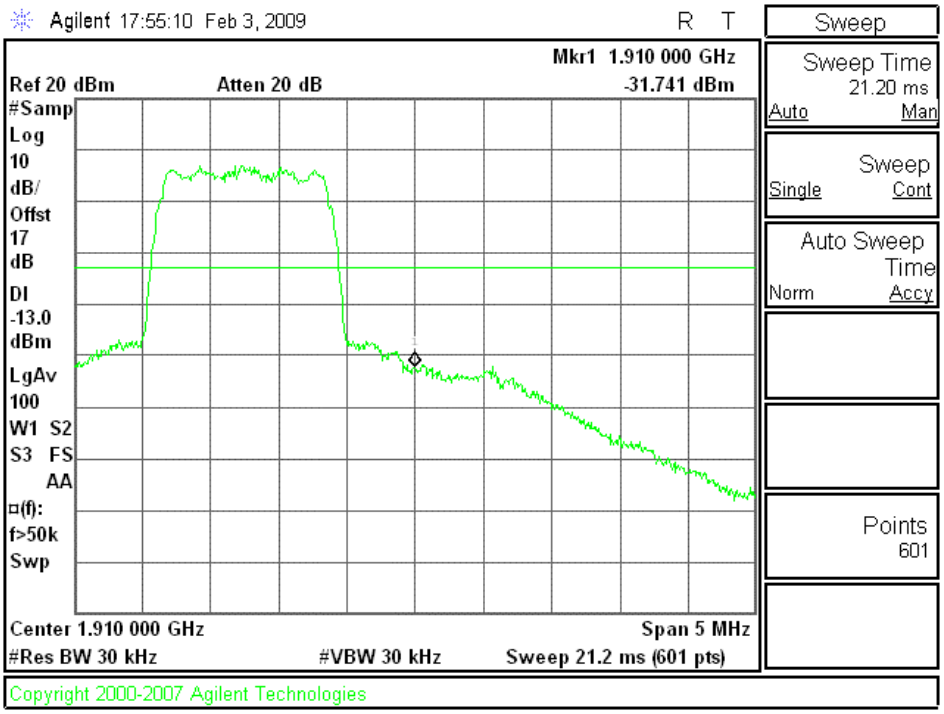


Plots for 1xRTT mode (PCS Band)

1xRTT, Ch 25 (1851.25 MHz)

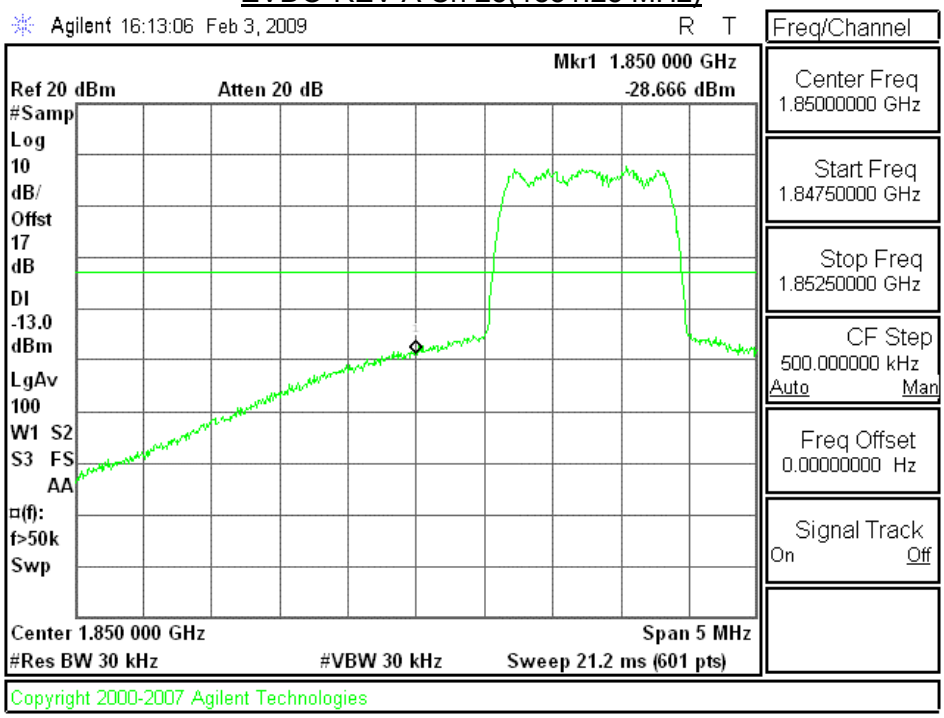


1xRTT Ch 1175 (1908.75 MHz)

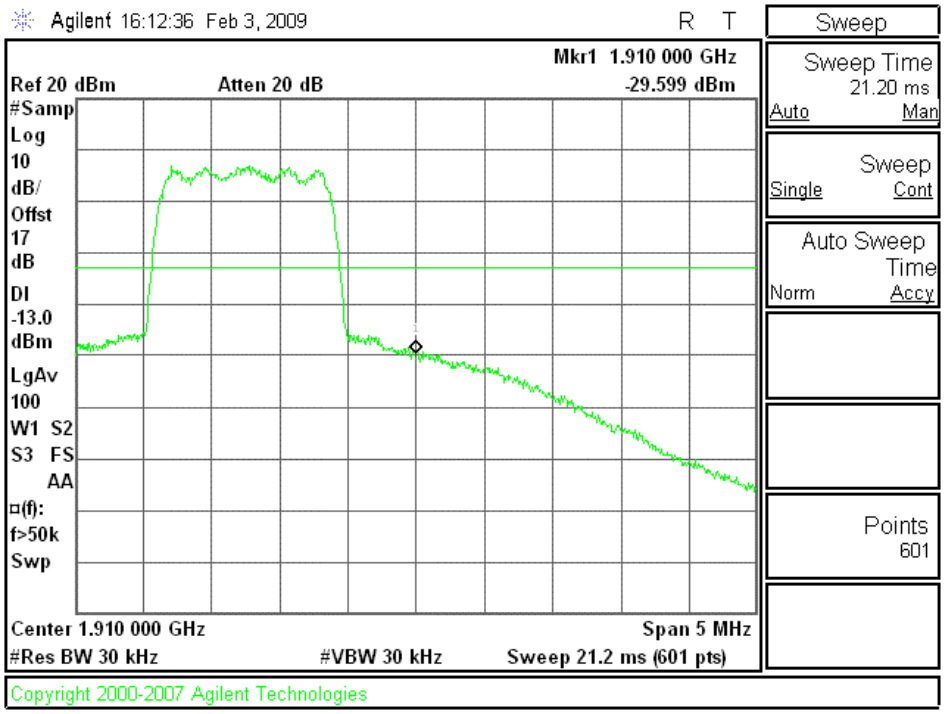


Plots for EVDO-REV A mode (PCS Band)

EVDO-REV A Ch 25(1851.25 MHz)



EVDO-REV A Ch 1175(1908.75 MHz)



8.3. OUT OF BAND EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238
IC: RSS-132, 4.5; RSS-133, 6.5

LIMITS

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

TEST PROCEDURE

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

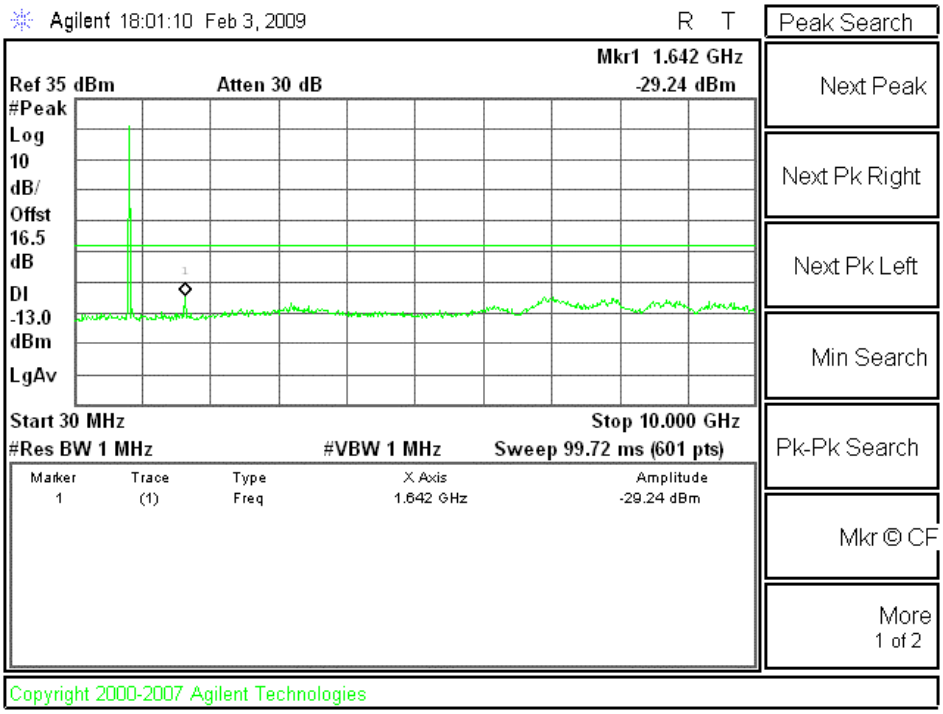
MODES TESTED

- 1xRTT – RC1, SO55
- Ev-DO – Rev A

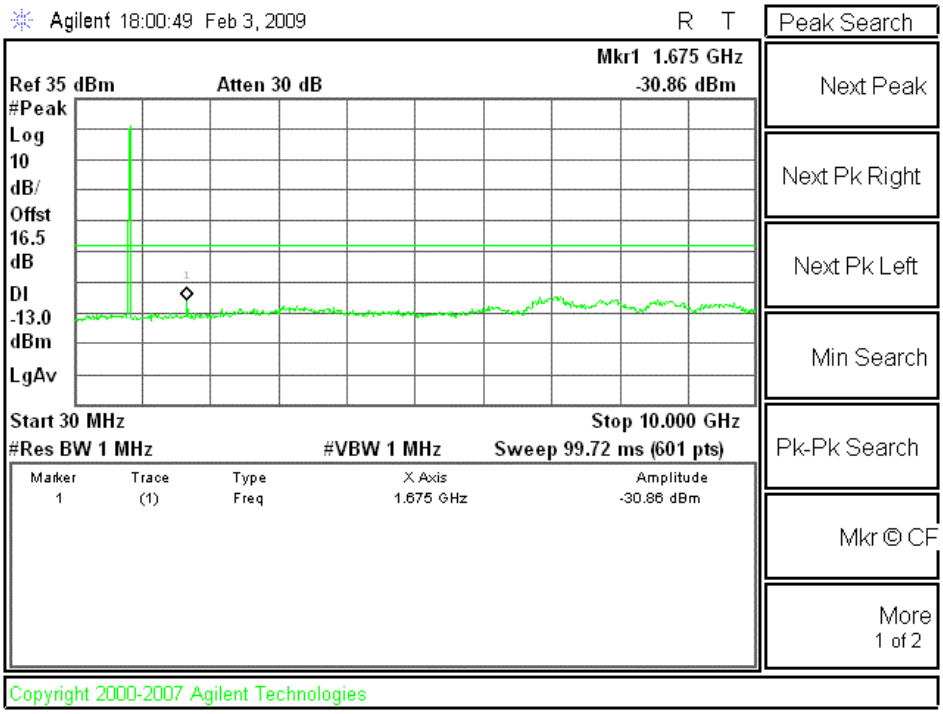
RESULTS

Plots for 1xRTT Mode (Cellular Band)

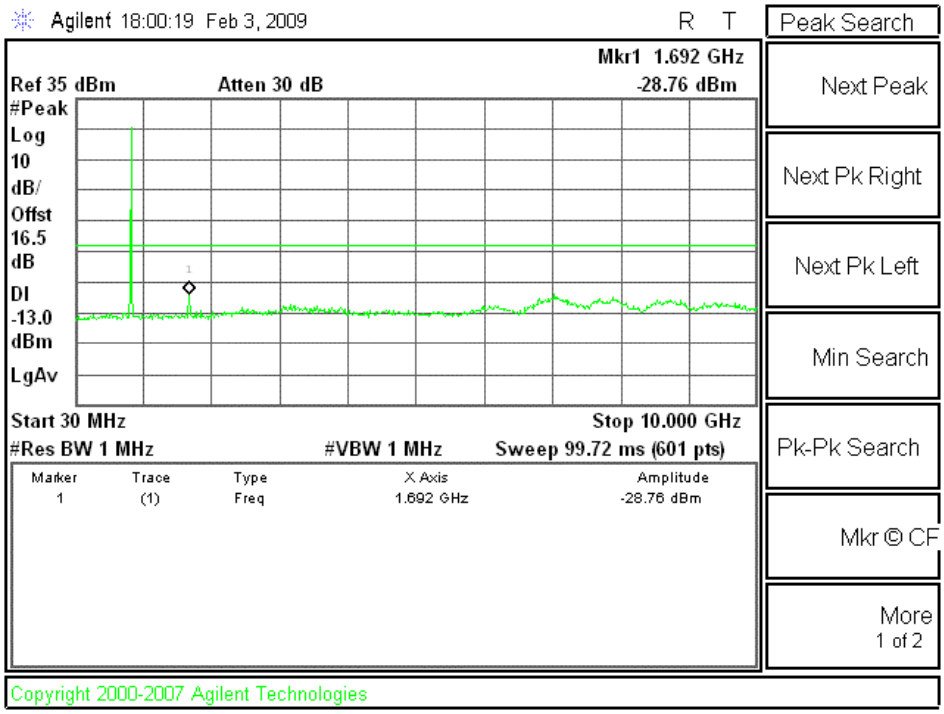
1xRTT, Ch 1013



1xRTT, Ch 384

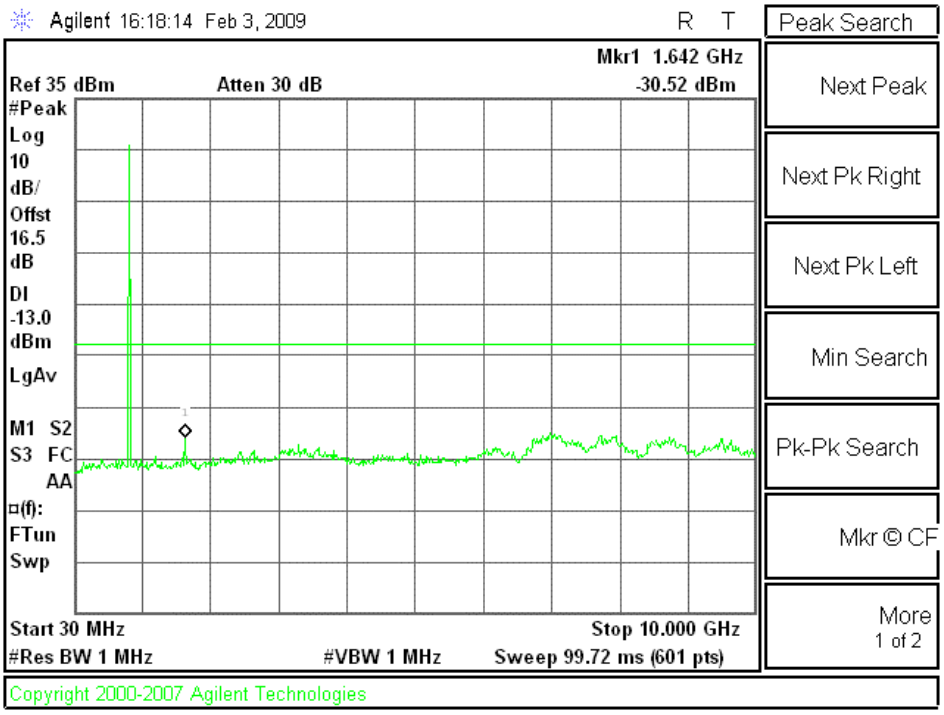


1xRTT, Ch 777

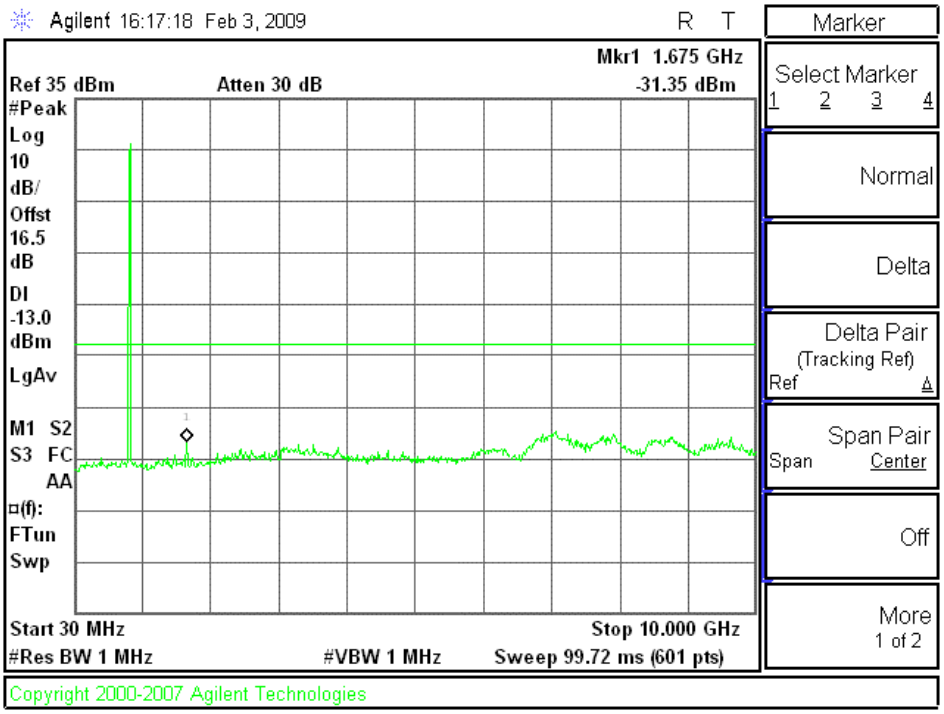


Plots for EVDO-REV A Mode (Cellular Band)

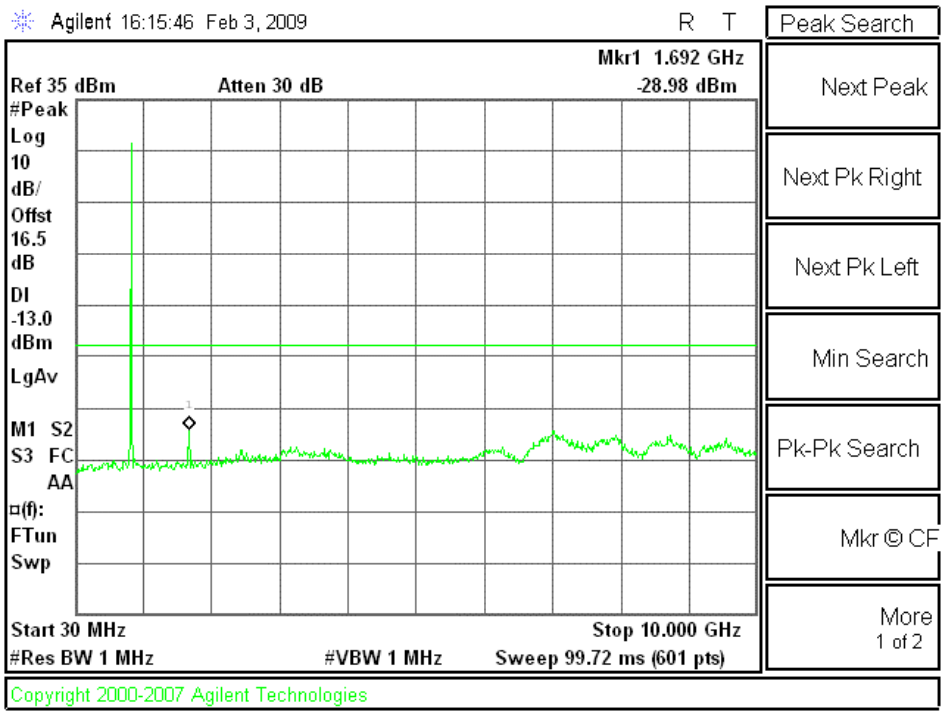
EVDO-REV A, Ch 1013



EVDO-REV A, Ch 384

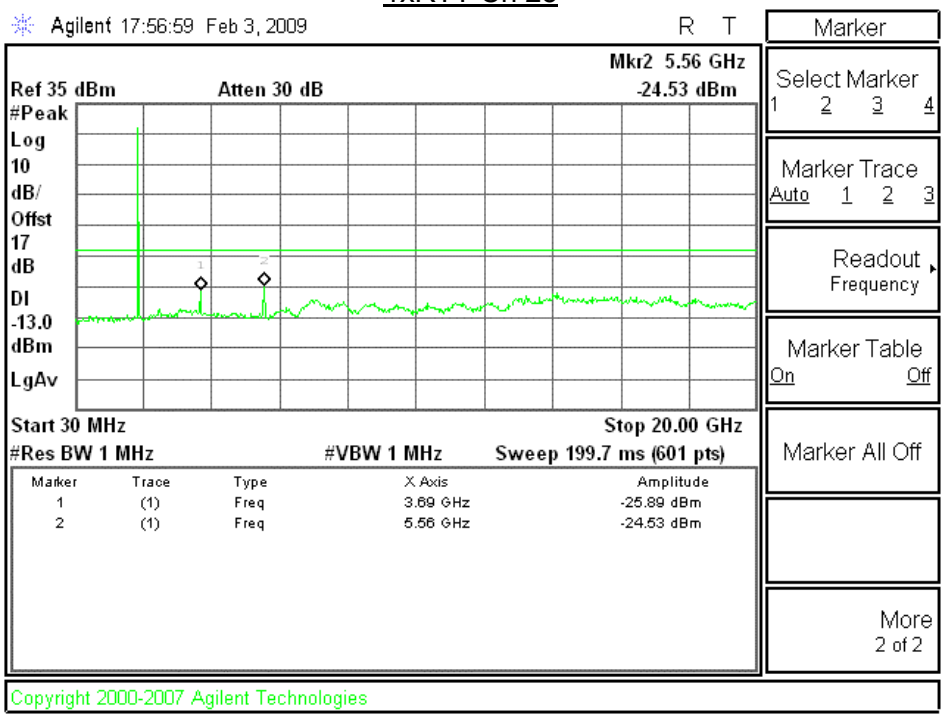


EVDO-REV A, Ch 777

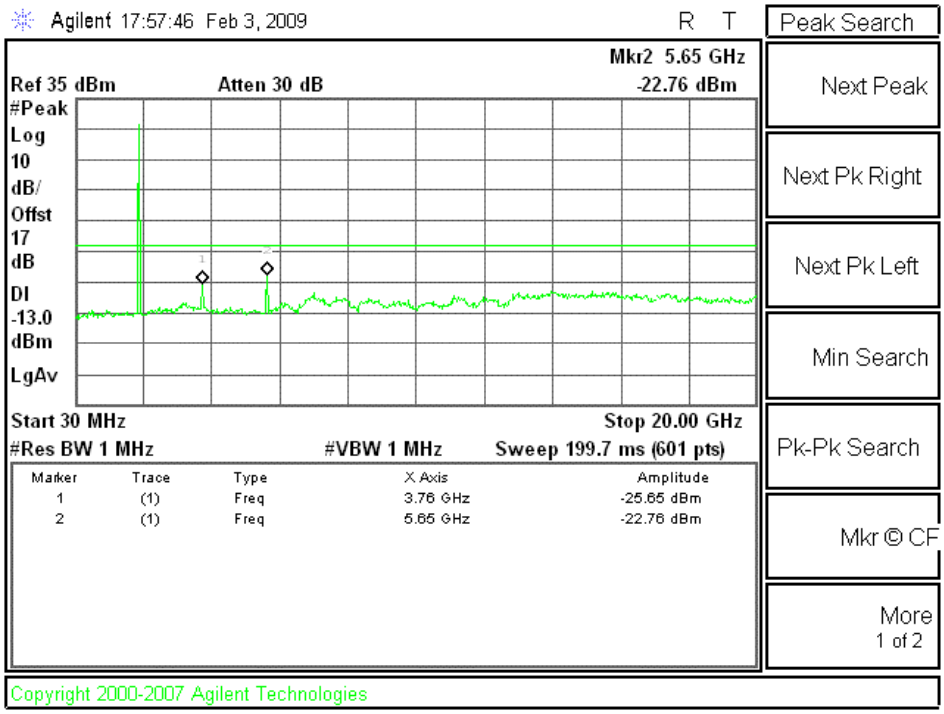


Plots for 1xRTT Mode (PCS Band)

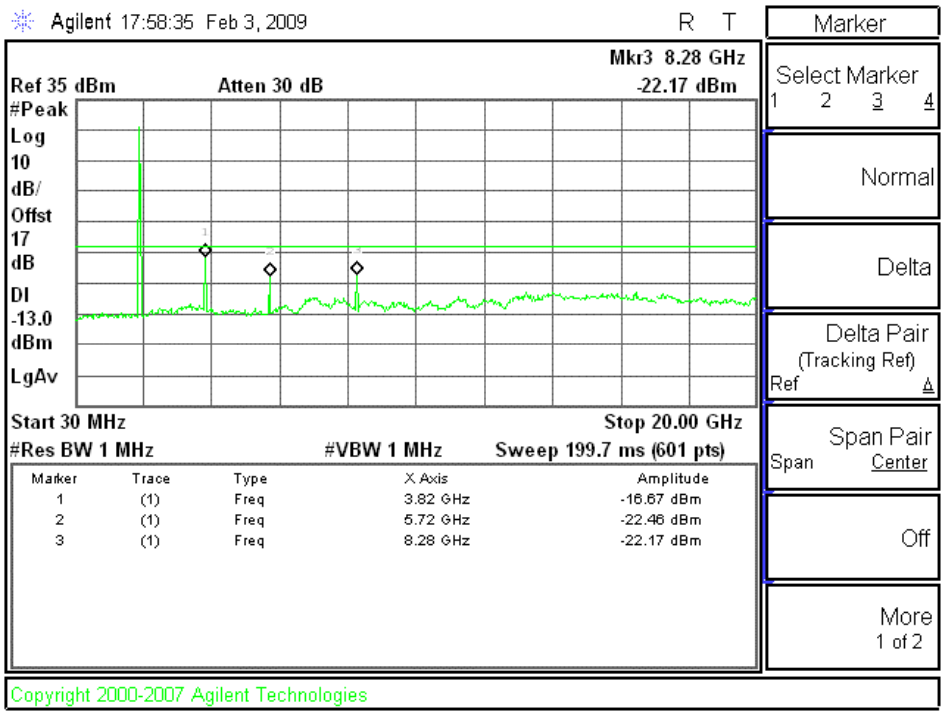
1xRTT Ch 25



1xRTT Ch 600

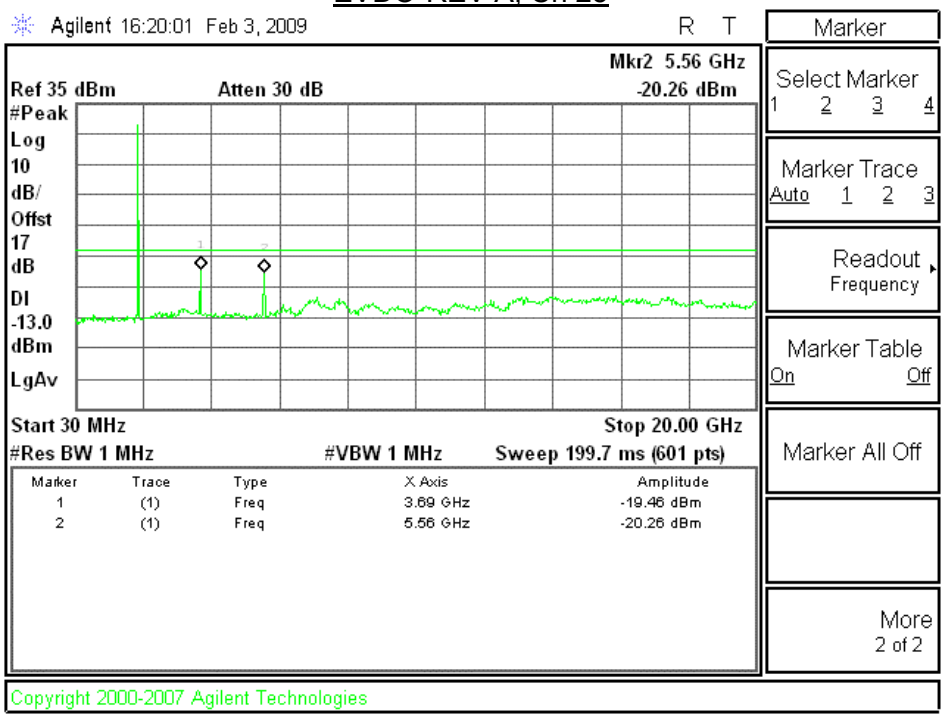


1xRTT Ch 1175

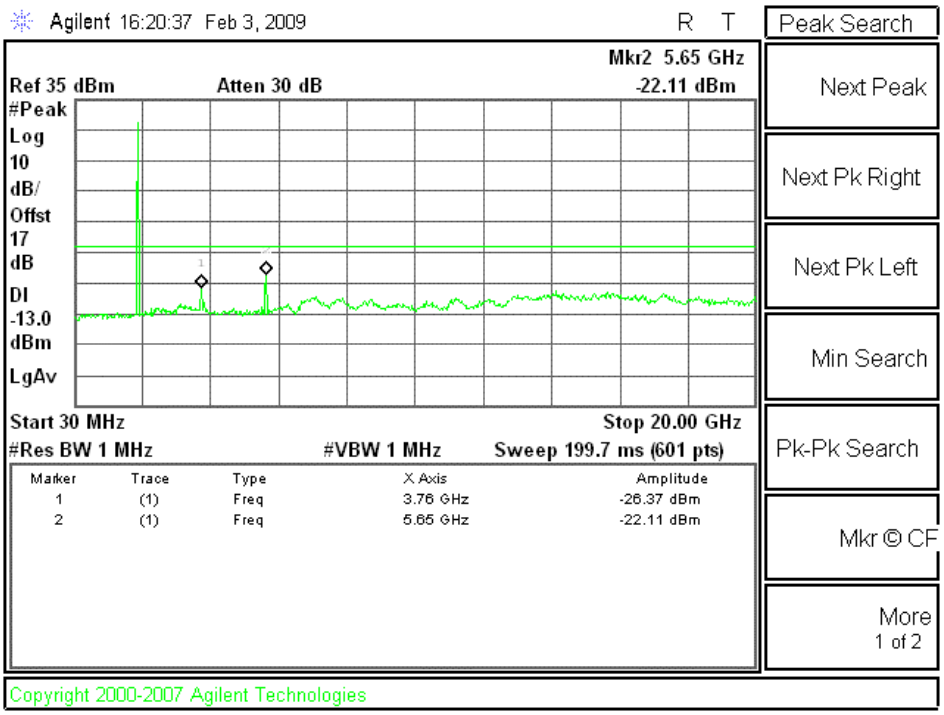


Plots for EVDO-REV A Mode (PCS Band)

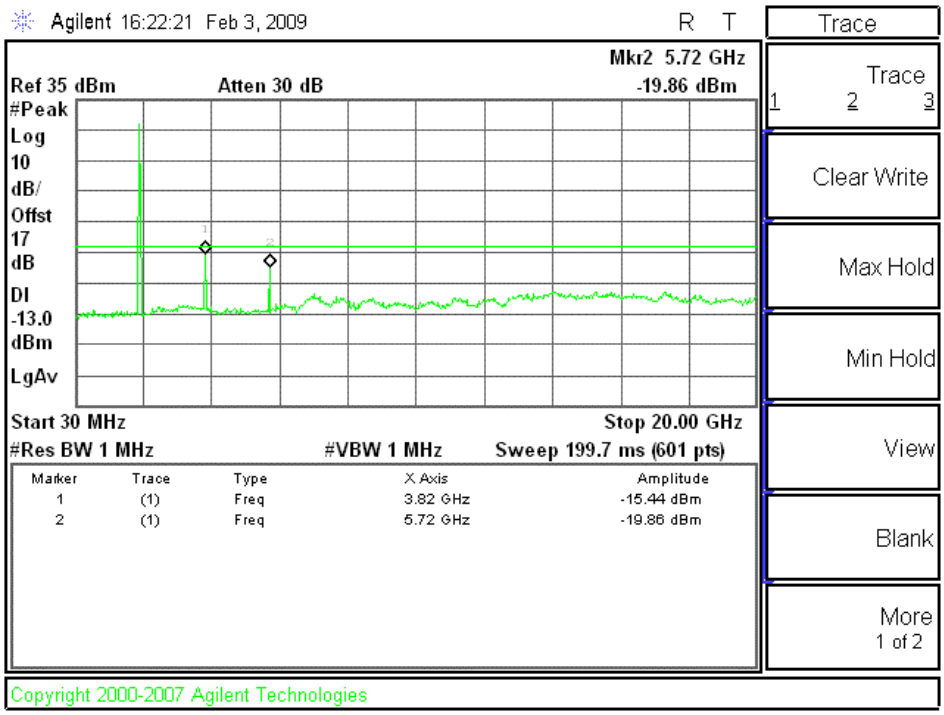
EVDO-REV A, Ch 25



EVDO-REV A, Ch 600



EVDO-REV A, Ch 1175



8.4. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §22.355, §24.235
IC: RSS-132, 4.3; RSS-133, 6.3

LIMITS

- §22.355 & RSS-132 4.3 - The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations.
- RSS-133 6.3 - The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations.
- §24.235 - The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

TEST PROCEDURE

Use Agilent 8960 with Frequency Error measurement capability.

- Temp. = −20° to +50°C
- Voltage = 3.7 Vdc (85% - 115%)

Frequency Stability vs Temperature:
The EUT is place inside a temperature chamber. The temperature is set to 20ºC and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until +50ºC is reached.
Frequency Stability vs Voltage:
The peak frequency error is recorded (worst-case).

MODES TESTED

- Ev-DO – Rev A

RESULTS

See the following pages.

CELL, EVDO Rev A – MID CHANNEL

Reference Frequency: Cellular Mid Channel 835.83540MHz @ 20*C Limit: to stay +- 2.5 ppm = 2089.589 Hz				
DC Power Supply (Vdc)	Environment Temperature (*C)	Frequency Deviation Measureed with Time Elapse (MHz)	Delta (ppm)	Limit (ppm)
3.70	50	835.835412	-0.014	2.5
3.70	40	835.835409	-0.011	2.5
3.70	30	835.835408	-0.010	2.5
3.70	***20***	***835.835400***	***0***	2.5
3.70	10	835.835405	-0.006	2.5
3.70	0	835.835392	0.010	2.5
3.70	-10	835.835390	0.012	2.5
3.70	-20	835.835386	0.017	2.5
3.70	-30	835.835395	0.006	2.5

Reference Frequency: Cellular Mid Channel 835.83540MHz @ 20*C Limit: to stay +- 2.5 ppm = 2089.589 Hz				
DC Power Supply (Vdc)	Environment Temperature (*C)	Frequency Deviation Measureed with Time Elapse (MHz)	Delta (ppm)	Limit (ppm)
100%	***20***	***835.835400***	***0***	***2.5***
85%	20	835.835394	*0.007*	2.5
115%	20	835.835408	*-0.010*	2.5

PCS, EVDO-REV A – MID CHANNEL

Reference Frequency: PCS Mid Channel 1879.321500MHz @ 20ºC Limit: within the authorized block or +- 2.5 ppm = 4698.304 Hz				
Power Supply (Vdc)	Environment Temperature (*C)	Frequency Deviation Measureed with Time Elapse (MHz)	Delta (ppm)	Limit (ppm)
3.60	50	1879.321525	-0.013	2.5
3.60	40	1879.321518	-0.010	2.5
3.60	30	1879.321520	-0.011	2.5
3.60	***20***	***1879.32150***	***0***	***2.5***
3.60	10	1879.321482	0.010	2.5
3.60	0	1879.321480	0.011	2.5
3.60	-10	1879.321478	0.012	2.5
3.60	-20	1879.321475	0.013	2.5
3.60	-30	1879.321471	0.016	2.5

Reference Frequency: PCS Mid Channel 1879.321500MHz @ 20ºC Limit: within the authorized block or +- 2.5 ppm = 4698.304 Hz				
Power Supply (Vdc)	Environment Temperature (*C)	Frequency Deviation Measureed with Time Elapse (MHz)	Delta (ppm)	Limit (ppm)
100%	***20***	***1879.321500***	***0***	***2.5***
85%	20	1879.321465	*0.019*	2.5
115%	20	1879.321522	*-0.012*	2.5

9. RADIATED TEST RESULTS

9.1. RADIATED POWER (ERP & EIRP)

RULE PART(S)

FCC: §2.1046, §22.913, §24.232
IC: RSS-132; 4.4, RSS-133, 6.4

LIMITS

22.913(a) - The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

24.232(c) & RSS-133 § 6.4 - Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.

RSS-132 4.4, SRSP503 5.1.3 - The maximum ERP shall be 11.5 Watts for mobile stations.

TEST PROCEDURE

ANSI / TIA / EIA 603C
RSS-132; RSS-133

MODES TESTED

- 1xRTT – RC1, SO55
- Ev-DO – Rev A

RESULTS for Cellular Band (ERP)

Mode	Channel	f (MHz)	ERP (Standard Cover)		ERP (Inductive Cover)	
			dBm	mW	dBm	mW
1xRTT (RC1, SO55)	1013	824.70	25.70	371.54	24.30	269.15
	384	836.52	27.10	512.86	25.60	363.08
	777	848.75	27.30	537.03	25.30	338.84
EVDO-REV A	1013	824.70	26.80	478.63	25.10	323.59
	384	836.52	27.30	537.03	25.40	346.74
	777	848.75	27.30	537.03	26.30	426.58

RESULTS for PCS Band (EIRP)

Mode	Channel	f (MHz)	EIRP (Standard Cover)		EIRP (Inductive Cover)	
			dBm	mW	dBm	mW
1xRTT (RC1, SO55)	25	1851.25	27.50	562.34	26.60	457.09
	600	1880.00	27.30	537.03	26.70	467.74
	1175	1908.75	25.50	354.81	26.60	457.09
EVDO-REV A	25	1851.25	26.90	489.78	27.80	602.56
	600	1880.00	26.80	478.63	27.80	602.56
	1175	1908.75	26.80	478.63	26.10	407.38

EUT WITH STANDARD COVER

ERP for 1xRTT Mode (Cellular Band)

Cellular Fundamental Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/4/2009
Test Engineer: Chin Pang
Configuration: EUT (with Standard Cover) and earphone
Mode: TX, Cell, 1xRTT
Worst Case: X Position

Test Equipment:
Receiving: Sunol T130, and 5m Chamber N-type Cable (Setup this one for testing EUT)
Substitution: Dipole S/N: 00022117, and 4ft SMA Cable Warehouse S/N: 177081002, Thanh cable

f MHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
824.70	95.3	V	21.0	0.5	0.0	20.5	38.5	-17.9	
824.20	102.9	H	26.2	0.5	0.0	25.7	38.5	-12.7	
Mid Ch									
836.52	96.0	V	21.6	0.5	0.0	21.1	38.5	-17.4	
836.52	104.2	H	27.6	0.5	0.0	27.1	38.5	-11.3	
High Ch									
848.31	95.0	V	19.8	0.5	0.0	19.3	38.5	-19.2	
848.31	104.0	H	27.8	0.5	0.0	27.3	38.5	-11.1	

Rev. 1.24.7

ERP for EVDO-REV A Mode (Cellular Band)

Cellular Fundamental Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/4/2009
Test Engineer: Chin Pang
Configuration: EUT (With Standard Cover) and earphone
Mode: TX, Cell, EV-DO Rev A
Worst Case: X Position

Test Equipment:
Receiving: Sunol T130, and 5m Chamber N-type Cable (Setup this one for testing EUT)
Substitution: Dipole S/N: 00022117, and 4ft SMA Cable Warehouse S/N: 177081002, Thanh cable

f MHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
824.70	94.5	V	20.2	0.5	0.0	19.7	38.5	-18.7	
824.20	104.0	H	27.3	0.5	0.0	26.8	38.5	-11.6	
Mid Ch									
836.52	94.0	V	19.6	0.5	0.0	19.1	38.5	-19.4	
836.52	104.4	H	27.8	0.5	0.0	27.3	38.5	-11.1	
High Ch									
848.31	94.2	V	19.0	0.5	0.0	18.5	38.5	-20.0	
848.31	104.0	H	27.8	0.5	0.0	27.3	38.5	-11.1	

Rev. 1.24.7

EIRP for 1xRTT Mode (PCS Band)

High Frequency Fundamental Measurement
Compliance Certification Services, Fremont 5m Chamber Site

Company:Palm
Project #:08U12316
Date: 2/4/2008
Test Engineer: Chin Pang
Configuration:EUT (With Standard Cover) and Earphone
Mode:TX, PCS, 1xRTT

Test Equipment:
Receiving: Horn T73, and 20ft S/N: 228076 003
Substitution: Horn T60 Substitution, 4ft SMA Cable Warehouse S/N: 187215 001

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
1.851	95.1	V	19.8	0.6	8.3	27.5	33.0	-5.5	
1.851	94.0	H	17.9	0.6	8.3	25.6	33.0	-7.4	
Mid Ch									
1.880	95.1	V	19.6	0.6	8.3	27.3	33.0	-5.7	
1.880	94.8	H	18.9	0.6	8.3	26.6	33.0	-6.4	
High Ch									
1.909	93.0	V	17.9	0.7	8.4	25.5	33.0	-7.5	
1.909	92.0	H	15.7	0.7	8.4	23.4	33.0	-9.6	

Rev. 1.24.7

EIRP for EVDO-REV A Mode (PCS Band)

High Frequency Fundamental Measurement
Compliance Certification Services, Fremont 5m Chamber Site

Company:Palm
Project #:08U12316
Date: 2/4/2008
Test Engineer: Chin Pang
Configuration:EUT (With Standard Cover) and Earphone
Mode:TX, PCS, EV-DO Rev A

Test Equipment:
Receiving: Horn T73, and 20ft S/N: 228076 003
Substitution: Horn T60 Substitution, 4ft SMA Cable Warehouse S/N: 187215 001

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
1.851	94.5	V	19.2	0.6	8.3	26.9	33.0	-6.1	
1.851	94.2	H	18.1	0.6	8.3	25.8	33.0	-7.2	
Mid Ch									
1.880	94.3	V	18.8	0.6	8.3	26.5	33.0	-6.5	
1.880	95.0	H	19.1	0.6	8.3	26.8	33.0	-6.2	
High Ch									
1.909	94.3	V	19.2	0.7	8.4	26.8	33.0	-6.2	
1.909	94.4	H	18.1	0.7	8.4	25.8	33.0	-7.2	

Rev. 1.24.7

EUT WITH INDUCTIVE COVER

ERP for 1xRTT Mode (Cellular Band)

Cellular Fundamental Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/4/2009
Test Engineer: Chin Pang
Configuration: EUT (With Inductive Cover) and Earphone
Mode: TX, Cell, 1xRTT

Test Equipment:
Receiving: Sunol T130, and 5m Chamber N-type Cable (Setup this one for testing EUT)
Substitution: Dipole S/N: 00022117, and 4ft SMA Cable Warehouse S/N: 177081002, Thanh cable

f MHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
824.70	97.0	V	22.7	0.5	0.0	22.2	38.5	-16.2	
824.70	101.5	H	24.8	0.5	0.0	24.3	38.5	-14.1	
Mid Ch									
836.52	97.5	V	23.1	0.5	0.0	22.6	38.5	-15.9	
836.52	102.7	H	26.1	0.5	0.0	25.6	38.5	-12.8	
High Ch									
848.31	97.8	V	22.6	0.5	0.0	22.1	38.5	-16.4	
848.31	102.0	H	25.8	0.5	0.0	25.3	38.5	-13.1	

Rev. 1.24.7

ERP for EVDO-REV A Mode (Cellular Band)

Cellular Fundamental Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/4/2009
Test Engineer: Chin Pang
Configuration: EUT (with Inductive Cover) and Earphone
Mode: TX, Cell, EV-DO Rev A

Test Equipment:
Receiving: Sunol T130, and 5m Chamber N-type Cable (Setup this one for testing EUT)
Substitution: Dipole S/N: 00022117, and 4ft SMA Cable Warehouse S/N: 177081002, Thanh cable

f MHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
824.70	94.8	V	20.5	0.5	0.0	20.0	38.5	-18.4	
824.70	102.3	H	25.6	0.5	0.0	25.1	38.5	-13.3	
Mid Ch									
836.52	94.2	V	19.8	0.5	0.0	19.3	38.5	-19.2	
836.52	102.5	H	25.9	0.5	0.0	25.4	38.5	-13.0	
High Ch									
848.31	94.3	V	19.1	0.5	0.0	18.6	38.5	-19.9	
848.31	103.0	H	26.8	0.5	0.0	26.3	38.5	-12.1	

Rev. 1.24.7

EIRP for 1xRTT Mode (PCS Band)

High Frequency Fundamental Measurement
Compliance Certification Services, Fremont 5m Chamber

Company:Palm
Project #:08U12316
Date: 2/4/2008
Test Engineer: Chin Pang
Configuration:EUT/Earphone
Mode:TX, PCS, 1xRTT

Test Equipment:
Receiving: Horn T73, and 20ft S/N: 228076 003
Substitution: Horn T60 Substitution, 4ft SMA Cable Warehouse S/N: 187215 001

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
1.851	93.5	V	18.2	0.6	8.3	25.9	33.0	-7.1	
1.851	95.0	H	18.9	0.6	8.3	26.6	33.0	-6.4	
Mid Ch									
1.880	93.8	V	18.3	0.6	8.3	26.0	33.0	-7.0	
1.880	94.9	H	19.0	0.6	8.3	26.7	33.0	-6.3	
High Ch									
1.909	92.0	V	16.9	0.7	8.4	24.5	33.0	-8.5	
1.909	95.1	H	18.9	0.7	8.4	26.6	33.0	-6.4	

Rev. 1.24.7

EIRP for EVDO-REV A Mode (PCS Band)

High Frequency Fundamental Measurement
Compliance Certification Services, Fremont 5m Chamber

Company:Palm
Project #:08U12316
Date: 2/4/2008
Test Engineer: Chin Pang
Configuration:EUT(with Inductive Cover) and Earphone
Mode:TX, PCS, EV-DO Rev A

Test Equipment:
Receiving: Horn T73, and 20ft S/N: 228076 003
Substitution: Horn T60 Substitution, 4ft SMA Cable Warehouse S/N: 187215 001

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
1.851	93.0	V	17.7	0.6	8.3	25.4	33.0	-7.6	
1.851	96.2	H	20.1	0.6	8.3	27.8	33.0	-5.2	
Mid Ch									
1.880	91.9	V	16.4	0.6	8.3	24.1	33.0	-8.9	
1.880	96.0	H	20.1	0.6	8.3	27.8	33.0	-5.2	
High Ch									
1.909	91.0	V	15.9	0.7	8.4	23.5	33.0	-9.5	
1.909	94.7	H	18.4	0.7	8.4	26.1	33.0	-6.9	

Rev. 1.24.7

9.2. FIELD STRENGTH OF SPURIOUS RADIATION

RULE PART(S)

FCC: §2.1053, §22.917, §24.238
IC: RSS-132, 4.5; RSS-233, 6.5

LIMIT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

TEST PROCEDURE

For Cellular equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

For PCS equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

MODES TESTED

- 1xRTT – RC1, SO55
- Ev-DO – Rev A

RESULTS

EUT WITH STANDARD COVER

1xRTT Mode (Cellular Band)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/09/2009
Test Engineer: Chin Pang
Configuration: EUT with Standard Cover and Earphone
Mode: Cell, 1xRTT CDMA2000

Test Equipment:

EMCO Horn 1-18 GHz: T60; S/N: 2238 @3m
Horn > 18GHz:
Limit: FCC 22
High Pass Filter
Hi Frequency Cables: 3' cable 22807700; 12' cable 22807600; 20' cable 22897500
Pre-amplifer 1-26 GHz: T34 HP 8449B
Pre-amplifer 26-40 GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch, 824.7MHz										
1.649	71.5	H	-35.2	3.1	7.1	4.9	-33.3	-13.0	-20.3	
2.474	53.0	H	-51.8	3.9	9.3	7.1	-48.6	-13.0	-35.6	
3.299	50.5	H	-50.3	4.6	9.4	7.3	-47.6	-13.0	-34.6	
1.649	71.0	V	-36.4	3.1	7.1	4.9	-34.5	-13.0	-21.5	
2.474	52.0	V	-53.0	3.9	9.3	7.1	-49.8	-13.0	-36.8	
3.299	50.8	V	-50.1	4.6	9.4	7.3	-47.4	-13.0	-34.4	
Mid Ch, 836.52MHz										
1.673	71.6	H	-35.0	3.1	7.2	5.0	-33.1	-13.0	-20.1	
2.510	56.0	H	-48.6	3.9	9.3	7.1	-45.4	-13.0	-32.4	
3.346	50.0	H	-50.6	4.6	9.5	7.3	-47.9	-13.0	-34.9	
1.673	70.7	V	-36.6	3.1	7.2	5.0	-34.7	-13.0	-21.7	
2.510	54.0	V	-50.8	3.9	9.3	7.1	-47.6	-13.0	-34.6	
3.346	49.2	V	-51.5	4.6	9.5	7.3	-48.8	-13.0	-35.8	
High Ch 848.31MHz										
1.697	72.5	H	-34.0	3.1	7.2	5.1	-32.1	-13.0	-19.1	
2.545	56.0	H	-48.4	4.0	9.3	7.1	-45.2	-13.0	-32.2	
3.393	50.0	H	-50.4	4.7	9.5	7.3	-47.8	-13.0	-34.8	
1.697	72.9	V	-34.3	3.1	7.2	5.1	-32.4	-13.0	-19.4	
2.545	52.0	V	-52.6	4.0	9.3	7.1	-49.4	-13.0	-36.4	
3.393	49.8	V	-50.7	4.7	9.5	7.3	-48.1	-13.0	-35.1	

Rev. 12.02.08
Note: No other emissions were detected above the system noise floor.

EVDO-REV A Mode (Cellular Band)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/09/2009
Test Engineer: Chin Pang
Configuration: EUT with Standard Cover and Earphone
Mode: Cell, EV-DO, Rev A

Test Equipment:

EMCO Horn 1-18 GHz: T60; S/N: 2238 @3m
Horn > 18 GHz:
Limit: FCC 22
High Pass Filter
Hi Frequency Cables: 3' cable 22807700; 12' cable 22807600; 20' cable 22897500
Pre-amplifer 1-26 GHz: T34 HP 8449B
Pre-amplifer 26-40 GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch, 824.7MHz										
1.649	69.3	H	-37.4	3.1	7.1	4.9	-35.5	-13.0	-22.5	
2.474	58.0	H	-46.8	3.9	9.3	7.1	-43.6	-13.0	-30.6	
3.299	47.2	H	-53.6	4.6	9.4	7.3	-50.9	-13.0	-37.9	
1.649	64.5	V	-42.9	3.1	7.1	4.9	-41.0	-13.0	-28.0	
2.474	49.0	V	-56.0	3.9	9.3	7.1	-52.8	-13.0	-39.8	
3.299	45.8	V	-55.1	4.6	9.4	7.3	-52.4	-13.0	-39.4	
Mid Ch, 836.52MHz										
1.673	69.0	H	-37.6	3.1	7.2	5.0	-35.7	-13.0	-22.7	
2.510	57.0	H	-47.6	3.9	9.3	7.1	-44.4	-13.0	-31.4	
3.346	44.0	H	-56.6	4.6	9.5	7.3	-53.9	-13.0	-40.9	
1.673	65.2	V	-42.1	3.1	7.2	5.0	-40.2	-13.0	-27.2	
2.510	51.0	V	-53.8	3.9	9.3	7.1	-50.6	-13.0	-37.6	
3.346	44.2	V	-56.5	4.6	9.5	7.3	-53.8	-13.0	-40.8	
High Ch 848.31MHz										
1.697	72.2	H	-34.3	3.1	7.2	5.1	-32.4	-13.0	-19.4	
2.545	57.0	H	-47.4	4.0	9.3	7.1	-44.2	-13.0	-31.2	
3.393	43.5	H	-56.9	4.7	9.5	7.3	-54.3	-13.0	-41.3	
1.697	66.5	V	-40.7	3.1	7.2	5.1	-38.8	-13.0	-25.8	
2.545	55.0	V	-49.6	4.0	9.3	7.1	-46.4	-13.0	-33.4	
3.393	43.7	V	-56.8	4.7	9.5	7.3	-54.2	-13.0	-41.2	

Rev. 12.02.08
Note: No other emissions were detected above the system noise floor.

1xRTT Mode (PCS Band)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/09/2009
Test Engineer: Chin Pang
Configuration: EUT with Standard Cover and Earphone
Mode: PCS, 1xRTT CDMA2000

Test Equipment:

EMCO Horn 1-18 GHz: T60; S/N: 2238 @3m
Horn > 18GHz:
Limit: FCC 24
High Pass Filter
Hi Frequency Cables: 3' cable 22807700; 12' cable 22807600; 20' cable 22897500
Pre-amplifer 1-26GHz: T34 HP 8449B
Pre-amplifer 26-40GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch,1851.25MHz										
3.703	58.0	H	-41.2	4.9	9.7	7.5	-36.5	-13.0	-23.5	
5.554	59.0	H	-34.0	6.3	11.0	8.9	-29.3	-13.0	-16.3	
7.405	42.0	H	-47.7	7.3	12.0	9.8	-43.0	-13.0	-30.0	
3.703	59.5	V	-39.8	4.9	9.7	7.5	-35.1	-13.0	-22.1	
5.554	64.5	V	-29.5	6.3	11.0	8.9	-24.8	-13.0	-11.8	
7.405	42.0	V	-48.5	7.3	12.0	9.8	-43.8	-13.0	-30.8	
Mid Ch, 1880MHz										
3.760	59.6	H	-39.4	5.0	9.7	7.5	-34.7	-13.0	-21.7	
5.640	60.6	H	-32.6	6.3	11.2	9.0	-27.7	-13.0	-14.7	
7.520	42.0	H	-47.4	7.4	12.0	9.8	-42.8	-13.0	-29.8	
3.760	59.0	V	-40.1	5.0	9.7	7.5	-35.4	-13.0	-22.4	
5.640	65.3	V	-28.9	6.3	11.2	9.0	-24.0	-13.0	-11.0	
7.520	43.0	V	-47.2	7.4	12.0	9.8	-42.6	-13.0	-29.6	
High Ch 1908.75MHz										
3.818	61.2	H	-37.6	5.0	9.7	7.6	-32.9	-13.0	-19.9	
5.726	59.4	H	-33.9	6.4	11.3	9.2	-29.0	-13.0	-16.0	
3.393	42.6	H	-57.9	4.7	9.5	7.3	-53.1	-13.0	-40.1	
3.818	63.0	V	-35.9	5.0	9.7	7.6	-31.2	-13.0	-18.2	
5.726	64.5	V	-29.8	6.4	11.3	9.2	-24.9	-13.0	-11.9	
3.393	43.0	V	-57.6	4.7	9.5	7.3	-52.8	-13.0	-39.8	

Rev. 12.02.08
Note: No other emissions were detected above the system noise floor.

EVDO-REV A Mode (PCS Band)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/09/2009
Test Engineer: Chin Pang
Configuration: EUT with Standard Cover and Earphone
Mode: PCS, EV-DO, Rev A

Test Equipment:

EMCO Horn 1-18 GHz: T60; S/N: 2238 @3m
Horn > 18GHz:
Limit: FCC 24
High Pass Filter
Hi Frequency Cables: 3' cable 22807700; 12' cable 22807600; 20' cable 22897500
Pre-amplifer 1-26GHz: T34 HP 8449B
Pre-amplifer 26-40GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch,1851.25MHz										
3.703	66.2	H	-33.0	4.9	9.7	7.5	-28.3	-13.0	-15.3	
5.554	63.3	H	-29.7	6.3	11.0	8.9	-25.0	-13.0	-12.0	
7.405	44.0	H	-45.7	7.3	12.0	9.8	-41.0	-13.0	-28.0	
3.703	65.5	V	-33.8	4.9	9.7	7.5	-29.1	-13.0	-16.1	
5.554	65.0	V	-29.0	6.3	11.0	8.9	-24.3	-13.0	-11.3	
7.405	45.0	V	-45.5	7.3	12.0	9.8	-40.8	-13.0	-27.8	
Mid Ch, 1880MHz										
3.760	61.5	H	-37.5	5.0	9.7	7.5	-32.8	-13.0	-19.8	
5.640	62.6	H	-30.6	6.3	11.2	9.0	-25.7	-13.0	-12.7	
7.520	46.2	H	-43.2	7.4	12.0	9.8	-38.6	-13.0	-25.6	
3.760	63.0	V	-36.1	5.0	9.7	7.5	-31.4	-13.0	-18.4	
5.640	66.2	V	-28.0	6.3	11.2	9.0	-23.1	-13.0	-10.1	
7.520	48.0	V	-42.2	7.4	12.0	9.8	-37.6	-13.0	-24.6	
High Ch 1908.75MHz										
3.818	64.0	H	-34.8	5.0	9.7	7.6	-30.1	-13.0	-17.1	
5.726	55.6	H	-37.7	6.4	11.3	9.2	-32.8	-13.0	-19.8	
3.393	45.0	H	-55.5	4.7	9.5	7.3	-50.7	-13.0	-37.7	
3.818	63.2	V	-35.7	5.0	9.7	7.6	-31.0	-13.0	-18.0	
5.726	63.7	V	-30.6	6.4	11.3	9.2	-25.7	-13.0	-12.7	
3.393	45.6	V	-55.0	4.7	9.5	7.3	-50.2	-13.0	-37.2	

Rev. 12.02.08
Note: No other emissions were detected above the system noise floor.

EUT WITH INDUCTIVE COVER

1xRTT Mode (Cellular Band)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company:Palm
Project #:08U12316
Date:2/09/2009
Test Engineer:Chin Pang
Configuration:EUT with Inductive Cover and Earphone
Mode:Cell, 1xRTT CDMA2000

Test Equipment:

EMCO Horn 1-18GHz: T60; S/N: 2238 @3m
Horn > 18GHz:
Limit: FCC 22
High Pass Filter
Hi Frequency Cables: 3' cable 22807700; 12' cable 22807600; 20' cable 22897500
Pre-amplifer 1-26GHz: T34 HP 8449B
Pre-amplifer 26-40GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch, 824.7MHz										
1.649	61.0	H	-45.7	3.1	7.1	4.9	-43.8	-13.0	-30.8	
2.474	48.0	H	-56.8	3.9	9.3	7.1	-53.6	-13.0	-40.6	
3.299	44.0	H	-56.8	4.6	9.4	7.3	-54.1	-13.0	-41.1	
1.649	63.2	V	-44.2	3.1	7.1	4.9	-42.3	-13.0	-29.3	
2.474	50.6	V	-54.4	3.9	9.3	7.1	-51.2	-13.0	-38.2	
3.299	43.5	V	-57.4	4.6	9.4	7.3	-54.7	-13.0	-41.7	
Mid Ch, 836.52MHz										
1.673	60.0	H	-46.6	3.1	7.2	5.0	-44.7	-13.0	-31.7	
2.510	53.0	H	-51.6	3.9	9.3	7.1	-48.4	-13.0	-35.4	
3.346	45.0	H	-55.6	4.6	9.5	7.3	-52.9	-13.0	-39.9	
1.673	58.4	V	-48.9	3.1	7.2	5.0	-47.0	-13.0	-34.0	
2.510	52.0	V	-52.8	3.9	9.3	7.1	-49.6	-13.0	-36.6	
3.346	43.0	V	-57.7	4.6	9.5	7.3	-55.0	-13.0	-42.0	
High Ch 848.31MHz										
1.697	61.6	H	-44.9	3.1	7.2	5.1	-43.0	-13.0	-30.0	
2.545	51.3	H	-53.1	4.0	9.3	7.1	-49.9	-13.0	-36.9	
3.393	42.0	H	-58.4	4.7	9.5	7.3	-55.8	-13.0	-42.8	
1.697	65.0	V	-42.2	3.1	7.2	5.1	-40.3	-13.0	-27.3	
2.545	50.5	V	-54.1	4.0	9.3	7.1	-50.9	-13.0	-37.9	
3.393	42.5	V	-58.0	4.7	9.5	7.3	-55.4	-13.0	-42.4	

Rev. 12.02.08
Note: No other emissions were detected above the system noise floor.

EVDO-REV A Mode (Cellular Band)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/09/2009
Test Engineer: Chin Pang
Configuration: EUT with Inductive Cover and Earphone
Mode: Cell, EV-DO, Rev A

Test Equipment:

EMCO Horn 1-18 GHz: T60; S/N: 2238 @3m
Horn > 18GHz:
Limit: FCC 22
High Pass Filter
Hi Frequency Cables: 3' cable 22807700; 12' cable 22807600; 20' cable 22897500
Pre-amplifer 1-26 GHz: T34 HP 8449B
Pre-amplifer 26-40 GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch, 824.7MHz										
1.649	72.3	H	-34.4	3.1	7.1	4.9	-32.5	-13.0	-19.5	
2.474	52.0	H	-52.8	3.9	9.3	7.1	-49.6	-13.0	-36.6	
3.299	44.0	H	-56.8	4.6	9.4	7.3	-54.1	-13.0	-41.1	
1.649	69.5	V	-37.9	3.1	7.1	4.9	-36.0	-13.0	-23.0	
2.474	55.0	V	-50.0	3.9	9.3	7.1	-46.8	-13.0	-33.8	
3.299	43.6	V	-57.3	4.6	9.4	7.3	-54.6	-13.0	-41.6	
Mid Ch, 836.52MHz										
1.673	65.0	H	-41.6	3.1	7.2	5.0	-39.7	-13.0	-26.7	
2.510	55.3	H	-49.3	3.9	9.3	7.1	-46.1	-13.0	-33.1	
3.346	43.6	H	-57.0	4.6	9.5	7.3	-54.3	-13.0	-41.3	
1.673	64.0	V	-43.3	3.1	7.2	5.0	-41.4	-13.0	-28.4	
2.510	55.0	V	-49.8	3.9	9.3	7.1	-46.6	-13.0	-33.6	
3.346	43.0	V	-57.7	4.6	9.5	7.3	-55.0	-13.0	-42.0	
High Ch 848.31MHz										
1.697	67.4	H	-39.1	3.1	7.2	5.1	-37.2	-13.0	-24.2	
2.545	58.0	H	-46.4	4.0	9.3	7.1	-43.2	-13.0	-30.2	
3.393	44.2	H	-56.2	4.7	9.5	7.3	-53.6	-13.0	-40.6	
1.697	66.0	V	-41.2	3.1	7.2	5.1	-39.3	-13.0	-26.3	
2.545	60.7	V	-43.9	4.0	9.3	7.1	-40.7	-13.0	-27.7	
3.393	43.3	V	-57.2	4.7	9.5	7.3	-54.6	-13.0	-41.6	

Rev. 12.02.08
Note: No other emissions were detected above the system noise floor.

1xRTT Mode (PCS Band)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company:Palm
Project #:08U12316
Date:2/09/2009
Test Engineer:Chin Pang
Configuration:EUT with Inductive Cover and Earphone
Mode: PCS, 1xRTT CDMA2000

Test Equipment:

EMCO Horn 1-18GHz: T60; S/N: 2238 @3m
Horn > 18GHz:
Limit: FCC 24
High Pass Filter
Hi Frequency Cables: 3' cable 22807700; 12' cable 22807600; 20' cable 22897500
Pre-amplifer 1-26GHz: T34 HP 8449B
Pre-amplifer 26-40GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch,1851.25MHz										
3.703	57.0	H	-42.2	4.9	9.7	7.5	-37.5	-13.0	-24.5	
5.554	56.0	H	-37.0	6.3	11.0	8.9	-32.3	-13.0	-19.3	
7.405	41.6	H	-48.1	7.3	12.0	9.8	-43.4	-13.0	-30.4	
3.703	53.5	V	-45.8	4.9	9.7	7.5	-41.1	-13.0	-28.1	
5.554	63.0	V	-31.0	6.3	11.0	8.9	-26.3	-13.0	-13.3	
7.405	42.0	V	-48.5	7.3	12.0	9.8	-43.8	-13.0	-30.8	
Mid Ch, 1880MHz										
3.760	56.0	H	-43.0	5.0	9.7	7.5	-38.3	-13.0	-25.3	
5.640	58.7	H	-34.5	6.3	11.2	9.0	-29.6	-13.0	-16.6	
7.520	42.0	H	-47.4	7.4	12.0	9.8	-42.8	-13.0	-29.8	
3.760	52.0	V	-47.1	5.0	9.7	7.5	-42.4	-13.0	-29.4	
5.640	64.6	V	-29.6	6.3	11.2	9.0	-24.7	-13.0	-11.7	
7.520	42.3	V	-47.9	7.4	12.0	9.8	-43.3	-13.0	-30.3	
High Ch 1908.75MHz										
3.818	58.5	H	-40.3	5.0	9.7	7.6	-35.6	-13.0	-22.6	
5.726	60.0	H	-33.3	6.4	11.3	9.2	-28.4	-13.0	-15.4	
3.393	43.1	H	-57.4	4.7	9.5	7.3	-52.6	-13.0	-39.6	
3.818	59.0	V	-39.9	5.0	9.7	7.6	-35.2	-13.0	-22.2	
5.726	63.8	V	-30.5	6.4	11.3	9.2	-25.6	-13.0	-12.6	
3.393	42.0	V	-58.6	4.7	9.5	7.3	-53.8	-13.0	-40.8	

Rev. 12.02.08
Note: No other emissions were detected above the system noise floor.

EVDO-REV A Mode (PCS Band)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber

Company: Palm
Project #: 08U12316
Date: 2/09/2009
Test Engineer: Chin Pang
Configuration: EUT with Inductive Cover and Earphone
Mode: PCS, EV-DO, Rev A

Test Equipment:

EMCO Horn 1-18 GHz: T60; S/N: 2238 @3m
Horn > 18GHz:
Limit: FCC 24
High Pass Filter
Hi Frequency Cables: 3' cable 22807700; 12' cable 22807600; 20' cable 22897500
Pre-amplifer 1-26GHz: T34 HP 8449B
Pre-amplifer 26-40GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch,1851.25MHz										
3.703	66.0	H	-33.2	4.9	9.7	7.5	-28.5	-13.0	-15.5	
5.554	61.0	H	-32.0	6.3	11.0	8.9	-27.3	-13.0	-14.3	
7.405	44.0	H	-45.7	7.3	12.0	9.8	-41.0	-13.0	-28.0	
3.703	68.0	V	-31.3	4.9	9.7	7.5	-26.6	-13.0	-13.6	
5.554	62.0	V	-32.0	6.3	11.0	8.9	-27.3	-13.0	-14.3	
7.405	47.0	V	-43.5	7.3	12.0	9.8	-38.8	-13.0	-25.8	
Mid Ch, 1880MHz										
3.760	61.6	H	-37.4	5.0	9.7	7.5	-32.7	-13.0	-19.7	
5.640	62.0	H	-31.2	6.3	11.2	9.0	-26.3	-13.0	-13.3	
7.520	46.0	H	-43.4	7.4	12.0	9.8	-38.8	-13.0	-25.8	
3.760	60.6	V	-38.5	5.0	9.7	7.5	-33.8	-13.0	-20.8	
5.640	67.2	V	-27.0	6.3	11.2	9.0	-22.1	-13.0	-9.1	
7.520	51.0	V	-39.2	7.4	12.0	9.8	-34.6	-13.0	-21.6	
High Ch 1908.75MHz										
3.818	64.0	H	-34.8	5.0	9.7	7.6	-30.1	-13.0	-17.1	
5.726	60.0	H	-33.3	6.4	11.3	9.2	-28.4	-13.0	-15.4	
3.393	46.0	H	-54.5	4.7	9.5	7.3	-49.7	-13.0	-36.7	
3.818	60.0	V	-38.9	5.0	9.7	7.6	-34.2	-13.0	-21.2	
5.726	61.0	V	-33.3	6.4	11.3	9.2	-28.4	-13.0	-15.4	
3.393	45.0	V	-55.6	4.7	9.5	7.3	-50.8	-13.0	-37.8	

Rev. 12.02.08
Note: No other emissions were detected above the system noise floor.

9.3. RECEIVER SPURIOUS EMISSIONS

RULE PART(S)

FCC: N/A
IC: RSS-132, 4.6; RSS-133, 6.6, RSS-Gen

LIMIT

RSS-Gen 6 (a) - If a radiated measurement is made, all spurious emissions shall comply with the limits of Table 1.

Table 1 - Spurious Emission Limits for Receivers:

Spurious Frequency (MHz)	Field Strength(microvolt/m at 3 meters)
30 - 88	100
88 - 216	150
216 - 960	200
Above 960	500

TEST PROCEDURE

RSS-Gen 4.10 - The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is the higher, to at least 3 times the highest tuneable or local oscillator frequency, whichever is the higher, without exceeding 40 GHz.

RESULTS

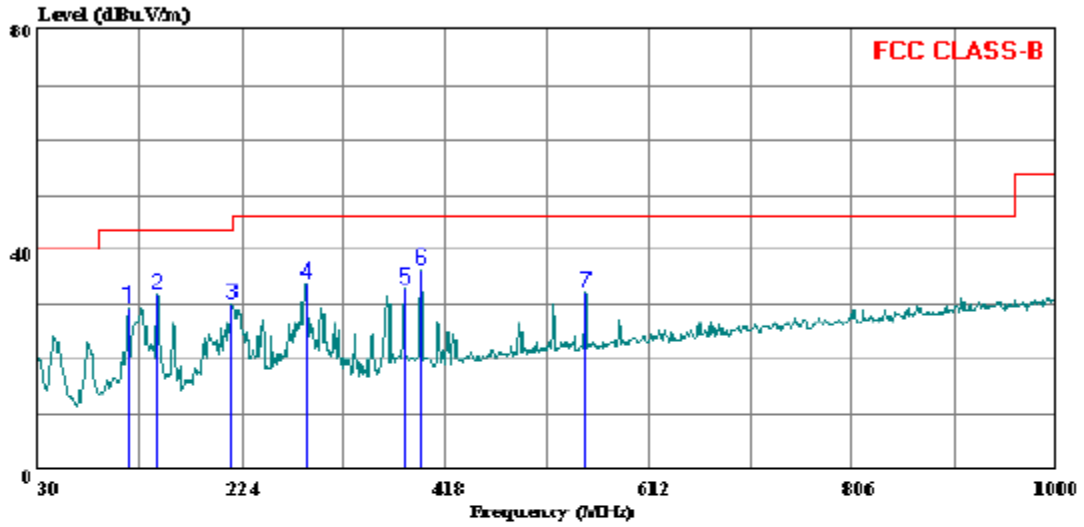
See the following pages.

EUT WITH STANDARD COVER

RECEIVER SPURIOUS EMISSIONS FOR 30 TO 1000 MHz, HORIZONTAL

Compliance Certification Services
47173 Benicia Street
Fremont, CA 94538
Tel: (510) 771-1000
Fax: (510) 661-0888

Data#: 6 File#: 08U12316.EMI Date: 02-11-2009 Time: 10:28:34



Trace: 5 Ref Trace:

Condition: FCC CLASS-B HORIZONTAL
Test Operator:: Chin Pang
Project #: : 08U123116
Company: : Palm
Configuration:: EUT/AC Adapter/Earphone
Mode: : Normal
Target: : FCC Class B

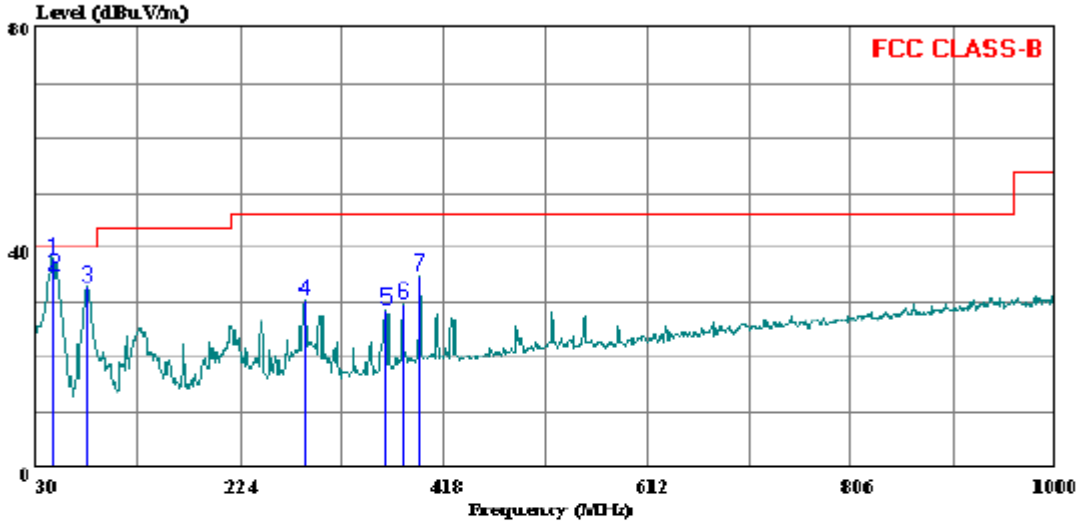
Page: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	115.360	47.17	-17.86	29.31	43.50	-14.19	Peak
2	142.520	49.83	-18.02	31.82	43.50	-11.68	Peak
3	215.270	47.50	-17.47	30.03	43.50	-13.47	Peak
4	285.110	50.22	-16.27	33.95	46.00	-12.05	Peak
5	379.200	46.00	-13.26	32.74	46.00	-13.26	Peak
6	394.720	49.17	-12.83	36.34	46.00	-9.66	Peak
7	551.860	41.33	-9.16	32.18	46.00	-13.82	Peak

RECEIVER SPURIOUS EMISSIONS FOR 30 TO 1000 MHz, VERTICAL

Compliance Certification Services
47173 Benicia Street
Fremont, CA 94538
Tel: (510) 771-1000
Fax: (510) 661-0888

Data#: 4 File#: 08U12316.EMI Date: 02-11-2009 Time: 10:16:51



Trace: 1 Ref Trace:

Condition: FCC CLASS-B VERTICAL
Test Operator:: Chin Pang
Project #: : 08U123116
Company: : Palm
Configuration:: EUT/AC Adapter/Earphone
Mode: : Normal
Target: : FCC Class B

Page: 1

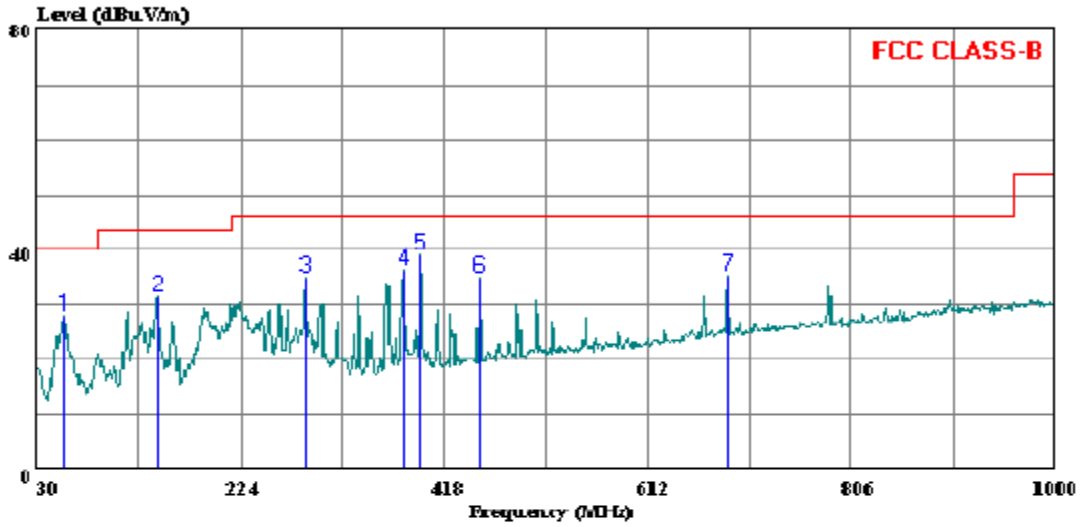
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	46.490	60.44	-22.26	38.18	40.00	-1.82	Peak
2	46.490	57.60	-22.57	35.03	40.00	-4.97	QP
3	78.500	56.33	-23.27	33.07	40.00	-6.93	Peak
4	285.110	46.72	-16.27	30.45	46.00	-15.55	Peak
5	362.710	42.50	-13.73	28.77	46.00	-17.23	Peak
6	379.200	43.00	-13.26	29.74	46.00	-16.26	Peak
7	394.720	47.67	-12.83	34.84	46.00	-11.16	Peak

EUT WITH INDUCTIVE COVER

RECEIVER SPURIOUS EMISSIONS FOR 30 TO 1000 MHz, HORIZONTAL

Compliance Certification Services
47173 Benicia Street
Fremont, CA 94538
Tel: (510) 771-1000
Fax: (510) 661-0888

Data#: 12 File#: 08U12316.EMI Date: 02-11-2009 Time: 11:49:48



Trace: 11 Ref Trace:

Condition: FCC CLASS-B HORIZONTAL
Test Operator:: Chin Pang
Project #: : 08U123116
Company: : Palm
Configuration:: EUT/AC Adapter/Earphone
Mode: : Normal
Target: : FCC Class B

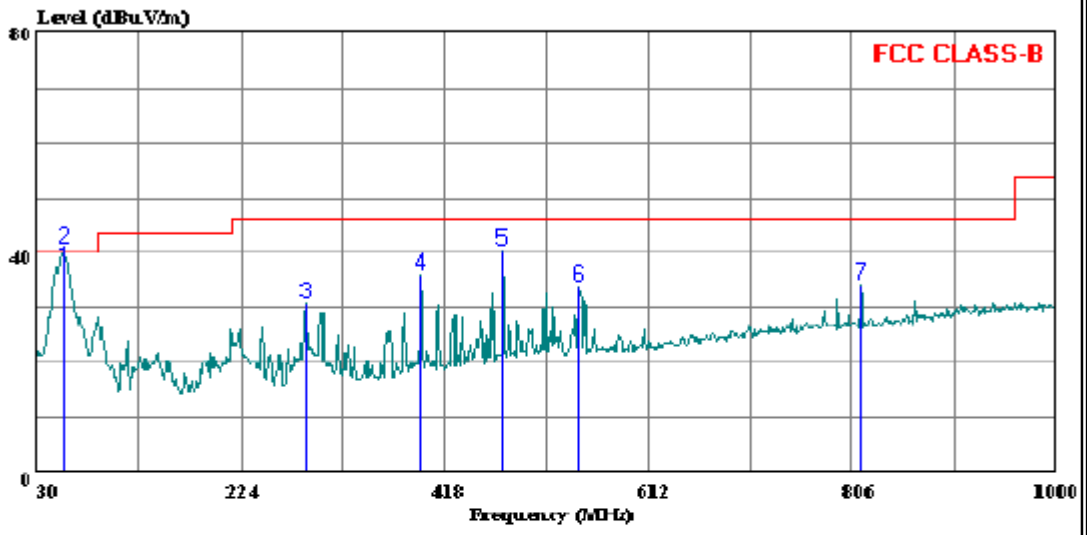
Page: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	54.250	51.83	-23.91	27.92	40.00	-12.08	Peak
2	144.460	49.50	-18.05	31.45	43.50	-12.05	Peak
3	285.110	51.22	-16.27	34.95	46.00	-11.05	Peak
4	379.200	49.50	-13.26	36.24	46.00	-9.76	Peak
5	394.720	51.83	-12.83	39.00	46.00	-7.00	Peak
6	451.950	46.00	-11.15	34.85	46.00	-11.15	Peak
7	687.660	41.83	-6.65	35.19	46.00	-10.81	Peak

RECEIVER SPURIOUS EMISSIONS FOR 30 TO 1000 MHz, VERTICAL

Compliance Certification Service
47173 Benicia Street
Fremont, CA 94538
Tel: (510) 771-1000
Fax: (510) 661-0888

Data#: 10 File#: 08U12316.EMI Date: 02-11-2009 Time: 11:43:23



Trace: 7 Ref Trace:

Condition: FCC CLASS-B VERTICAL
Test Operator:: Chin Pang
Project #: : 08U123116
Company: : Palm
Configuration:: EUT/AC Adapter/Earphone
Mode: : Normal
Target: : FCC Class B

Page: 1

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1		54.250	61.36	-23.91	37.45	40.00	-2.55	QP
2	*	54.250	64.67	-23.91	40.75	40.00	0.75	Peak
3		285.110	47.22	-16.27	30.95	46.00	-15.05	Peak
4		394.720	48.83	-12.83	36.00	46.00	-10.00	Peak
5		472.320	51.00	-10.58	40.42	46.00	-5.58	Peak
6		545.070	43.00	-9.22	33.78	46.00	-12.22	Peak
7		813.760	38.67	-4.38	34.28	46.00	-11.72	Peak

RECEIVER SPURIOUS EMISSIONS FOR ABOVE 1GHz

Note: No emissions were found within above 1GHz of 20dB below the system noise floor.

9.4. POWER LINE CONDUCTED EMISSION

LIMIT

RSS-Gen 7.2.2

Except when the requirements applicable to a given device state otherwise, for any licence-exempt radio communication device equipped to operate from the public utility AC power supply, either directly or indirectly, the radio frequency voltage that is conducted back onto the AC power lines in the frequency range of 0.15 MHz to 30 MHz shall not exceed the limits shown in Table 2. The tighter limit applies at the frequency range boundaries.

Table 2 – AC Power Lines Conducted Emission Limits

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

RESULTS

No non-compliance noted:

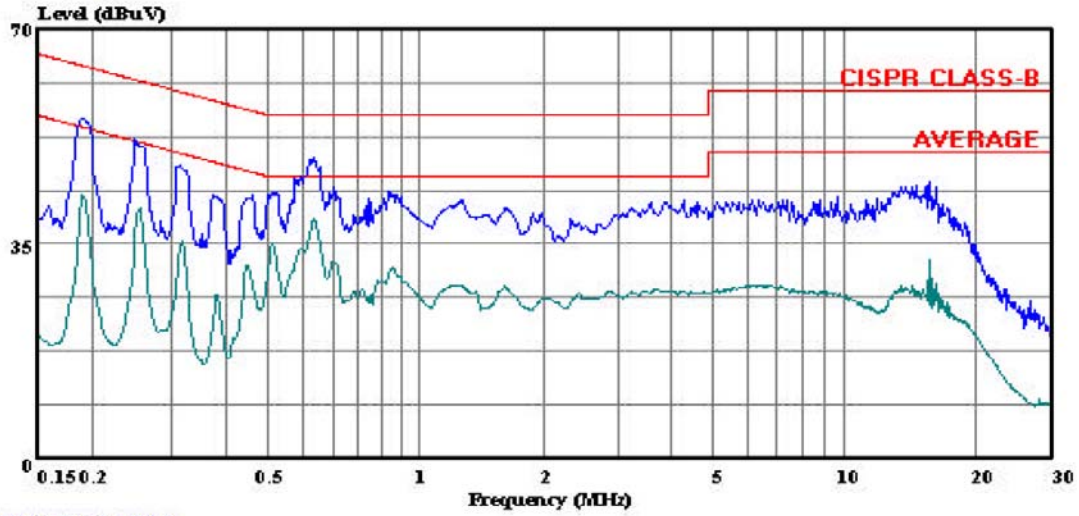
CONDUCTED EMISSIONS DATA (115VAC 60Hz)

Freq.	Reading			Closs	Limit	FCC_B	Margin		Remark
(MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	(dB)	QP	AV	QP (dB)	AV (dB)	L1 / L2
0.19	55.51	--	42.98	0.00	64.08	54.08	-8.57	-11.10	L1
0.63	49.12	--	39.01	0.00	56.00	46.00	-6.88	-6.99	L1
15.89	45.19	--	32.29	0.00	60.00	50.00	-14.81	-17.71	L1
0.19	47.17	--	33.56	0.00	64.08	54.08	-16.91	-20.52	L2
0.63	45.14	--	30.49	0.00	56.00	46.00	-10.86	-15.51	L2
15.97	48.74	--	35.07	0.00	60.00	50.00	-11.26	-14.93	L2
6 Worst Data									

LINE 1 RESULTS

Compliance Certification Services
47173 Benicia Street
Fremont, CA 94538
Tel: (510) 771-1000
Fax: (510) 661-0888

Data#: 7 File#: 08U12316.EMI Date: 02-05-2009 Time: 10:03:45



(Line Conduction)

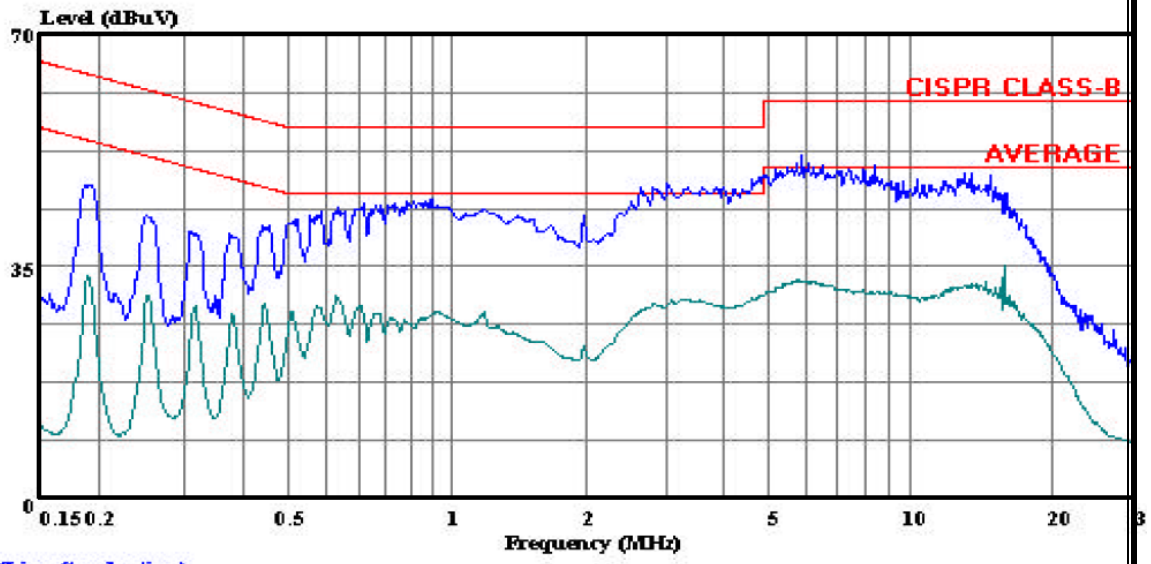
Trace: 5 Ref Trace:

Condition: CISPR CLASS-B
Test Operator:: Devin Chang
Project #: : 08U12316
Company: : Palm
Configuration:: EUT(Standard backcover) powered by AC adapter
Mode: : Normal(AC Adapter P/N:157-10108-00 / 157-10114-00)
Target: : FCC Class B
Voltage: : 115VAC / 60Hz
: L1: Peak (Blue), Average (Green)

LINE 2 RESULTS

Compliance Certification Service
47173 Benicia Street
Fremont, CA 94538
Tel: (510) 771-1000
Fax: (510) 661-0888

Data#: 14 File#: 08U12316.EMI Date: 02-05-2009 Time: 10:31:1



(Line Conduction)

Trace: 12 Ref Trace:

Condition: CISPR CLASS-B
Test Operator:: Devin Chang
Project #: : 08U12316
Company: : Palm
Configuration:: EUT(Standard backcover) powered by AC adapter
Mode: : Normal(AC Adapter P/N:157-10108-00 / 157-10114-00)
Target: : FCC Class B
Voltage: : 115VAC / 60Hz
: L2: Peak (Blue), Average (Green)