



PCTEST ENGINEERING LABORATORY, INC.

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MEASUREMENT REPORT FCC Part 22 & 24

Applicant Name:

Kyocera Corporation
9520 Towne Centre Drive, Suite 200
San Diego, CA 92121
United States

Date of Testing:

9/14-9/23/2015

Test Site/Location:

PCTEST Lab., Columbia, MD, USA

Test Report Serial No.:

0Y1509141768-R3.V65

FCC ID:**V65CD8100****APPLICANT:****KYOCERA CORPORATION****Application Type:**

Certification

Model(s):

CD8100

EUT Type:

Portable Handset

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

FCC Rule Part(s):

§2 §22(H) §24(E)

Test Procedure(s):

ANSI/TIA-603-C-2004, KDB 971168 v02r02

Test Device Serial No.:

identical prototype [S/N: 990000515216267]

Mode	Tx Frequency (MHz)	Emission Designator	ERP/EIRP	
			Max. Power (W)	Max. Power (dBm)
CDMA850	824.70 - 848.31	1M27F9W	0.151	21.78
CDMA1900	1851.25 - 1908.75	1M27F9W	0.231	23.63

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947. Test results reported herein relate only to the item(s) tested.

This This revised Test Report (S/N: 0Y1509141768-R3.V65) supersedes and replaces the previously issued test report (S/N: 0Y1509141768-R2.V65) on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.


Randy Orlanez
President

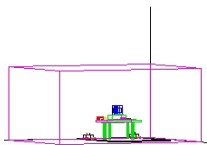


FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 1 of 42

TABLE OF CONTENTS

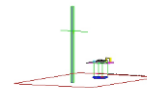
FCC PART 22 & 24 MEASUREMENT REPORT	3
1.0 INTRODUCTION	4
1.1 Scope.....	4
1.2 Testing Facility	4
2.0 PRODUCT INFORMATION.....	5
2.1 Equipment Description	5
2.2 Device Capabilities	5
2.3 Test Configuration.....	5
2.4 EMI Suppression Device(s)/Modifications.....	5
3.0 DESCRIPTION OF TESTS	6
3.1 Evaluation Procedure.....	6
3.2 Cellular - Base Frequency Blocks	6
3.3 Cellular - Mobile Frequency Blocks.....	6
3.4 PCS - Base Frequency Blocks.....	6
3.5 PCS - Mobile Frequency Blocks	7
3.6 Radiated Measurements	7
4.0 TEST EQUIPMENT CALIBRATION DATA	8
5.0 SAMPLE CALCULATIONS	9
6.0 TEST RESULTS.....	10
6.1 Summary.....	10
6.2 Occupied Bandwidth	11
6.3 Spurious and Harmonic Emissions at Antenna Terminal	13
6.4 Band Edge Emissions at Antenna Terminal.....	23
6.5 Peak-Average Ratio	28
6.6 Radiated Power (ERP/EIRP)	30
6.7 Radiated Spurious Emissions Measurements.....	32
6.8 Frequency Stability / Temperature Variation	37
7.0 CONCLUSION.....	42

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 2 of 42



MEASUREMENT REPORT

FCC Part 22 & 24



§2.1033 General Information

APPLICANT: Kyocera Corporation
APPLICANT ADDRESS: 9520 Towne Centre Drive, Suite 200
 San Diego, CA 92121, United States
TEST SITE: PCTEST ENGINEERING LABORATORY, INC.
TEST SITE ADDRESS: 7185 Oakland Mills Road, Columbia, MD 21046 USA
FCC RULE PART(S): §2 §22(H) §24(E)
BASE MODEL: CD8100
FCC ID: V65CD8100
FCC CLASSIFICATION: PCS Licensed Transmitter Held to Ear (PCE)
MODE: CDMA / EvDO
FREQUENCY TOLERANCE: $\pm 0.00025\%$ (2.5 ppm)
Test Device Serial No.: 990000515216267 ☐ Production ☒ Pre-Production ☐ Engineering
DATE(S) OF TEST: 9/14-9/23/2015
TEST REPORT S/N: OY1509141768-R3.V65

Test Facility / Accreditations

Measurements were performed at PCTEST Engineering Lab located in Columbia, MD 21046, U.S.A.



- PCTEST facility is an FCC registered (PCTEST Reg. No. 159966) test facility with the site description report on file and has met all the requirements specified in Section 2.948 of the FCC Rules and Industry Canada (2451B-1).
- PCTEST Lab is accredited to ISO 17025 by U.S. National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP Lab code: 100431-0) in EMC, FCC and Telecommunications.
- PCTEST Lab is accredited to ISO 17025-2005 by the American Association for Laboratory Accreditation (A2LA) in Specific Absorption Rate (SAR) testing, Hearing Aid Compatibility (HAC) testing, CTIA Test Plans, and wireless testing for FCC and Industry Canada Rules.
- PCTEST Lab is a recognized U.S. Conformity Assessment Body (CAB) in EMC and R&TTE (n.b. 0982) under the U.S.-EU Mutual Recognition Agreement (MRA).
- PCTEST TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC Guide 65 by the American National Standards Institute (ANSI) in all scopes of FCC Rules and Industry Canada Standards (RSS).
- PCTEST facility is an IC registered (2451B-1) test laboratory with the site description on file at Industry Canada.
- PCTEST is a CTIA Authorized Test Laboratory (CATL) for AMPS, CDMA, and EvDO wireless devices and for Over-the-Air (OTA) Antenna Performance testing for AMPS, CDMA, GSM, GPRS, EGPRS, UMTS (W-CDMA), CDMA 1xEVDO, and CDMA 1xRTT.

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: OY1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 3 of 42

1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

1.2 Testing Facility

The map below shows the location of the PCTEST LABORATORY, its proximity to the FCC Laboratory, the Columbia vicinity, the Baltimore-Washington Internt'l (BWI) airport, the city of Baltimore and the Washington, DC area. (See Figure 1-1).

These measurement tests were conducted at the PCTEST Engineering Laboratory, Inc. facility located at 7185 Oakland Mills Road, Columbia, MD 21046. The site coordinates are 39° 10'23" N latitude and 76° 49'50" W longitude. The facility is 0.4 miles North of the FCC laboratory, and the ambient signal and ambient signal strength are approximately equal to those of the FCC laboratory. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2014 on January 22, 2015.

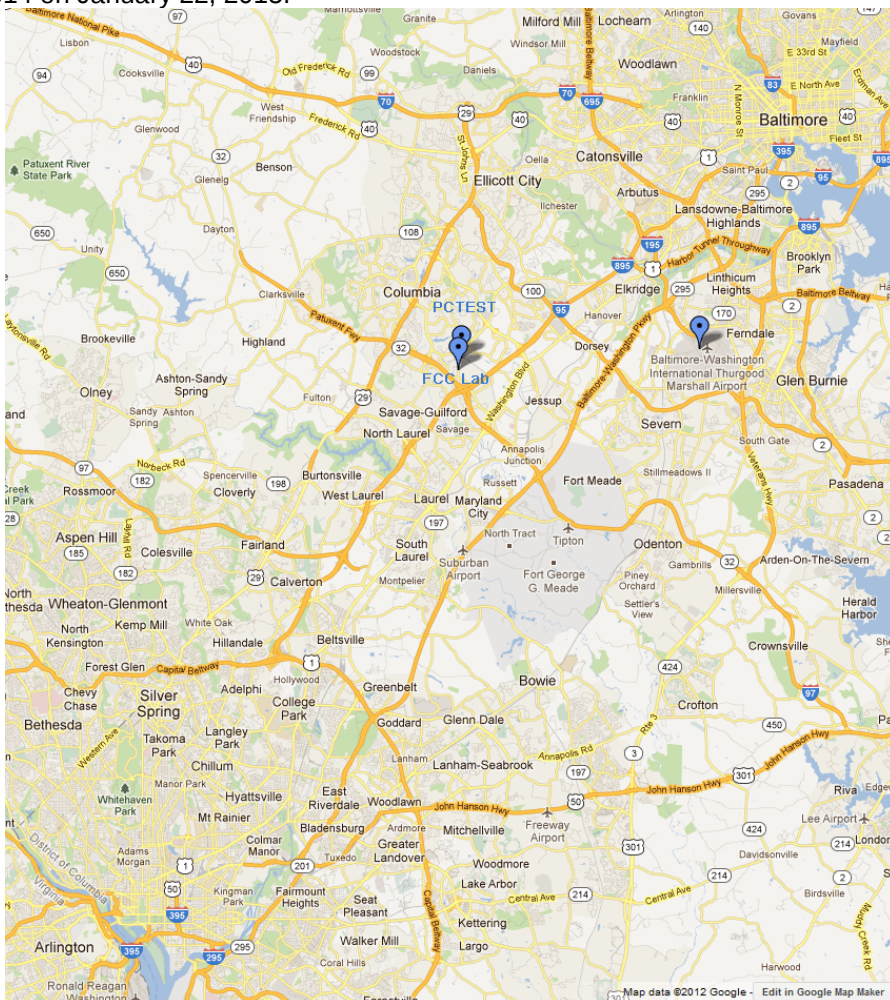


Figure 1-1. Map of the Greater Baltimore and Metropolitan Washington, D.C. area

FCC ID: V65CD8100	 FCC Pt. 22 & 24 CDMA/EVDO MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
Test Report S/N: OY1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset	Page 4 of 42	

2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Kyocera Portable Handset FCC ID: V65CD8100**. The test data contained in this report pertains only to the emissions due to the EUT's 2G/3G licensed transmitters.

2.2 Device Capabilities

This device contains the following capabilities:

850/1900 CDMA/EvDO 1x/Rev0/RevA (BC0, BC1), Multi-band LTE, 802.11b/g/n WLAN, Bluetooth (EDR, LE), Nordic Tx

2.3 Test Configuration

The Kyocera Portable Handset FCC ID: V65CD8100 was tested per the guidance of ANSI/TIA-603-C-2004 and KDB 971168 v02r02. See Section 6.0 of this test report for a description of the radiated and antenna port conducted emissions tests.

2.4 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and no modifications were made during testing.

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 5 of 42

3.0 DESCRIPTION OF TESTS

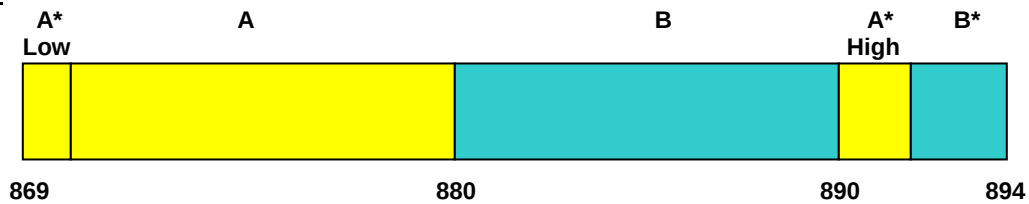
3.1 Evaluation Procedure

The measurement procedures described in the “Land Mobile FM or PM – Communications Equipment – Measurements and Performance Standards” (ANSI/TIA-603-C-2004) and “Measurement Guidance for Certification of Licensed Digital Transmitters” (KDB 971168 v02r02) were used in the measurement of the **Kyocera Portable Handset FCC ID: V65CD8100**.

Deviation from Measurement Procedure.....None

3.2 Cellular - Base Frequency Blocks

§22.905



BLOCK 1: 869 – 880 MHz (A* Low + A)

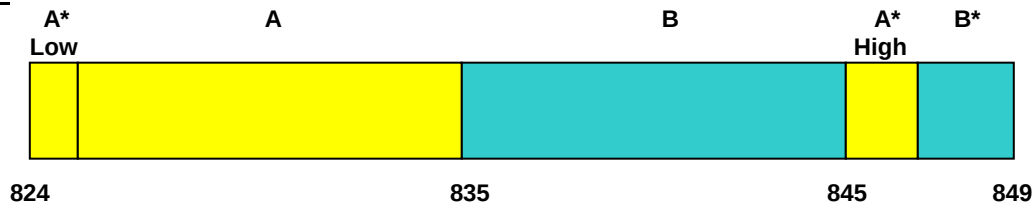
BLOCK 3: 890 – 891.5 MHz (A* High)

BLOCK 2: 880 – 890 MHz (B)

BLOCK 4: 891.5 – 894 MHz (B*)

3.3 Cellular - Mobile Frequency Blocks

§22.905



BLOCK 1: 824 – 835 MHz (A* Low + A)

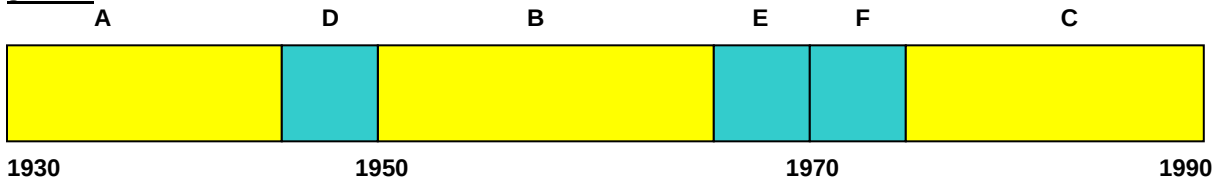
BLOCK 3: 845 – 846.5 MHz (A* High)

BLOCK 2: 835 – 845 MHz (B)

BLOCK 4: 846.5 – 849 MHz (B*)

3.4 PCS - Base Frequency Blocks

§24.229



BLOCK 1: 1930 – 1945 MHz (A)

BLOCK 4: 1965 – 1970 MHz (E)

BLOCK 2: 1945 – 1950 MHz (D)

BLOCK 5: 1970 – 1975 MHz (F)

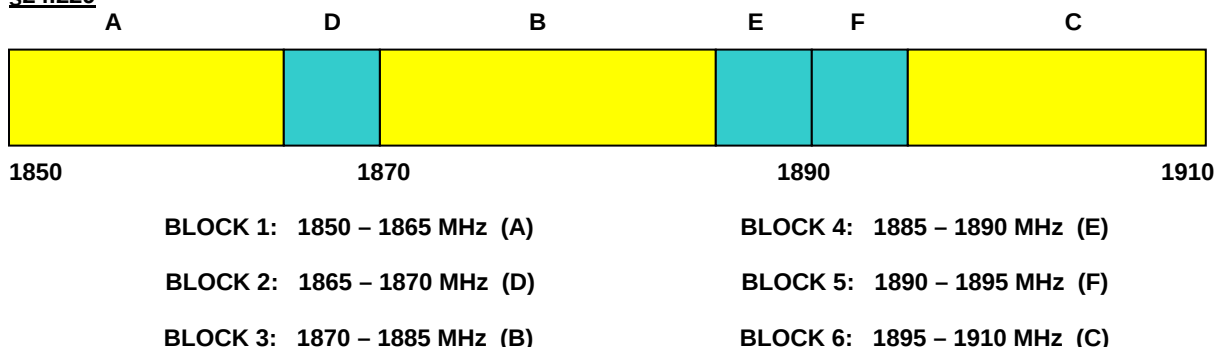
BLOCK 3: 1950 – 1965 MHz (B)

BLOCK 6: 1975 – 1990 MHz (C)

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EVDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 6 of 42

3.5 PCS - Mobile Frequency Blocks

§24.229



3.6 Radiated Measurements

§2.1053 §22.913(a.2) §22.917(a) §24.232(c) §24.238(a)

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4-2014. A 72cm high PVC support structure is placed on top of the turntable. A 3" (~7.6cm) sheet of high density polystyrene is used as the table top and is placed on top of the PVC supports to bring the total height of the table to 80cm. For measurements above 1GHz, absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed.

The equipment under test was transmitting while connected to its integral antenna and is placed on a wooden turntable 80cm above the ground plane and 3 meters from the receive antenna. The receive antenna height is adjusted between 1 and 4 meter height, the turntable is rotated through 360 degrees, and the EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer.

Per the guidance of ANSI/TIA-603-C-2004, a half-wave dipole is then substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive spectrum analyzer level previously recorded from the spurious emission from the EUT. The power of the emission is calculated using the following formula:

$$P_d \text{ [dBm]} = P_g \text{ [dBm]} - \text{cable loss [dB]} + \text{antenna gain [dBd/dBi]}$$

Where, P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to $P_g \text{ [dBm]} - \text{cable loss [dB]}$.

Radiated power levels are investigated with the receive antenna vertically polarized while radiated spurious emissions levels are investigated with the receive antenna horizontally and vertically polarized per ANSI/TIA-603-C-2004.

FCC ID: V65CD8100	 FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION) 		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset	Page 7 of 42

4.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST).

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	LTx1	Licensed Transmitter Cable Set	4/16/2015	Annual	4/16/2016	N/A
-	RE3	Radiated Emissions Cable Set	4/29/2015	Annual	4/29/2016	N/A
Agilent	8447D	Broadband Amplifier	6/12/2015	Annual	6/12/2016	2443A01900
Agilent	E4448A	PSA (3Hz-50GHz) Spectrum Analyzer	3/19/2015	Annual	3/19/2016	US42510244
Agilent	N4010A	Wireless Connectivity Test Set	N/A			GB46170464
Agilent	N9020A	MXA Signal Analyzer	10/27/2014	Annual	10/27/2015	US46470561
Espec	ESX-2CA	Environmental Chamber	3/17/2015	Annual	3/17/2016	17620
ETS Lindgren	3117	1-18 GHz DRG Horn (Medium)	4/8/2014	Biennial	4/8/2016	125518
ETS Lindgren	3160-09	18-26.5 GHz Standard Gain Horn	6/17/2014	Biennial	6/17/2016	135427
ETS Lindgren	3164-08	Quad Ridge Horn Antenna	10/22/2014	Biennial	10/22/2016	128338
K & L	11SH10-3075/U18000	High Pass Filter	12/1/2014	Annual	12/1/2015	2
K & L	13SH10-1000/U1000	N Type High Pass Filter	12/1/2014	Annual	12/1/2015	1
Mini Circuits	PWR-SEN-4GHS	USB Power Sensor	3/11/2015	Annual	3/11/2016	11401010036
Mini-Circuits	SSG-4000HP	USB Synthesized Signal Generator	N/A			11208010032
Rohde & Schwarz	CMU200	Base Station Simulator	3/23/2015	Annual	3/23/2016	836371/0079
Rohde & Schwarz	ESU40	EMI Test Receiver (40GHz)	7/17/2015	Annual	7/17/2016	100348
Rohde & Schwarz	TS-PR18	1-18 GHz Pre-Amplifier	3/5/2015	Annual	3/5/2016	100071
Rohde & Schwarz	TS-PR26	18-26.5 GHz Pre-Amplifier	3/3/2015	Annual	3/3/2016	100040
Schwarzbeck	UHA 9105	Dipole Antenna (400 - 1GHz) Rx	11/21/2013	Biennial	11/21/2015	9105-2404
Seekonk	NC-100	Torque Wrench (8" lb)	3/5/2012	Biennial	3/5/2014	N/A
Sunol Sciences	DRH-118	Horn Antenna	7/1/2015	Biennial	7/1/2017	A060215
Tektronix	RSA6114A	Real Time Spectrum Analyzer	4/16/2014	Annual	4/16/2015	B010177
VWR	62344-734	Thermometer with Clock	2/20/2014	Biennial	2/20/2016	140140336

Table 4-1. Test Equipment

Note:

Equipment with a calibration date of "N/A" shown in this list was not used to make direct calibrated measurements.

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset	Page 8 of 42	

5.0 SAMPLE CALCULATIONS

CDMA Emission Designator

Emission Designator = 1M25F9W

CDMA BW = 1.25 MHz

F = Frequency Modulation

9 = Composite Digital Info

W = Combination (Audio/Data)

Spurious Radiated Emission

Example: Spurious emission at 3700.40 MHz

The receive spectrum analyzer reading at 3 meters with the EUT on the turntable was -81.0 dBm. The gain of the substituted antenna is 8.1 dBi. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of -81.0 dBm on the spectrum analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is 2.0 dB at 3700.40 MHz. So 6.1 dB is added to the signal generator reading of -30.9 dBm yielding -24.80 dBm. The fundamental EIRP was 25.50 dBm so this harmonic was 25.50 dBm - (-24.80) = 50.3 dBc.

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 9 of 42

6.0 TEST RESULTS

6.1 Summary

Company Name: Kyocera Corporation
 FCC ID: V65CD8100
 FCC Classification: PCS Licensed Transmitter Held to Ear (PCE)
 Mode(s): CDMA / EvDO

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
TRANSMITTER MODE (TX)					
2.1049	Occupied Bandwidth	N/A	CONDUCTED	PASS	Section 6.2
2.1051 22.917(a) 24.238(a)	Conducted Band Edge / Spurious Emissions	$> 43 + \log_{10}(P[\text{Watts}])$ at Band Edge and for all out-of-band emissions		PASS	Sections 6.3, 6.4
24.232(d)	Peak-Average Ratio	< 13 dB		PASS	Section 6.5
2.1046	Transmitter Conducted Output Power	N/A		PASS	RF Exposure Report
2.1055 22.355 24.235	Frequency Stability	< 2.5 ppm (Part 22) Emission must remain in band (Part 24)		PASS	Section 6.8
22.913(a.2)	Effective Radiated Power	< 7 Watts max. ERP	RADIATED	PASS	Section 6.6
24.232(c)	Equivalent Isotropic Radiated Power	< 2 Watts max. EIRP		PASS	Section 6.6
2.1053 22.917(a) 24.238(a)	Radiated Spurious Emissions	$> 43 + \log_{10}(P[\text{Watts}])$ for all out-of-band emissions		PASS	Section 6.7

Table 6-1. Summary of Test Results

Notes:

- 1) All modes of operation and data rates were investigated. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables, directional couplers, and attenuators used as part of the system to maintain a link between the call box and the EUT at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables, attenuators, and couplers.
- 4) For conducted spurious emissions, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is PCTEST "2G/3G Automation," Version 3.2.

FCC ID: V65CD8100	 FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION) 		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset	Page 10 of 42

6.2 Occupied Bandwidth

§2.1049

Test Overview

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Procedure Used

KDB 971168 v02r02 – Section 4.2

Test Settings

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

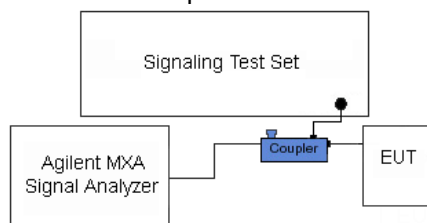
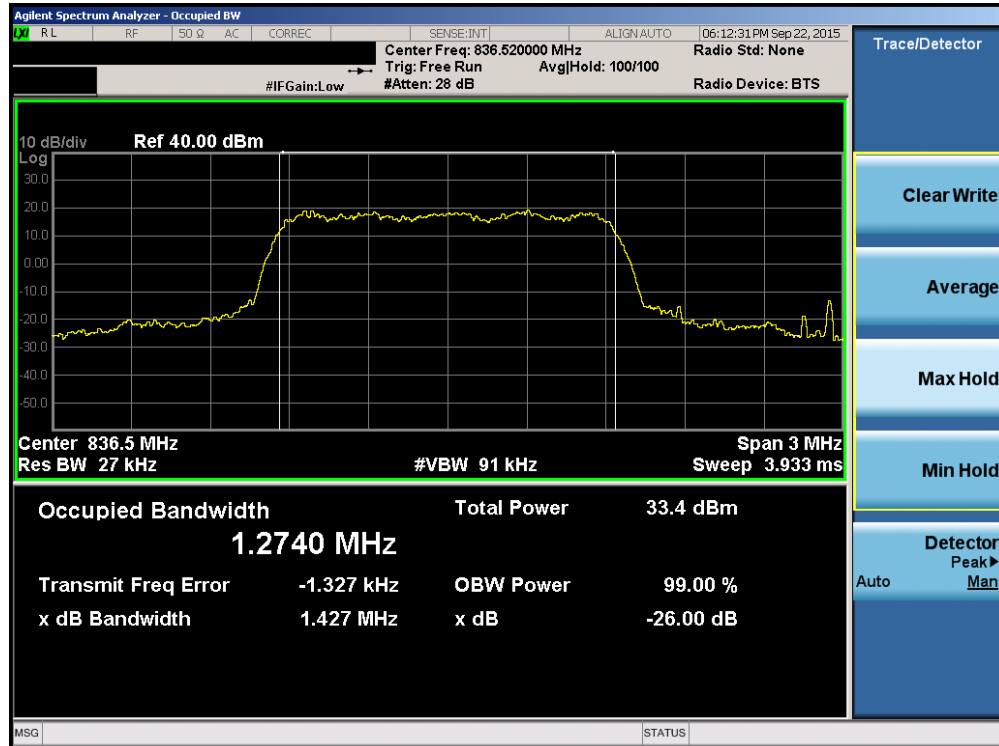


Figure 6-1. Test Instrument & Measurement Setup

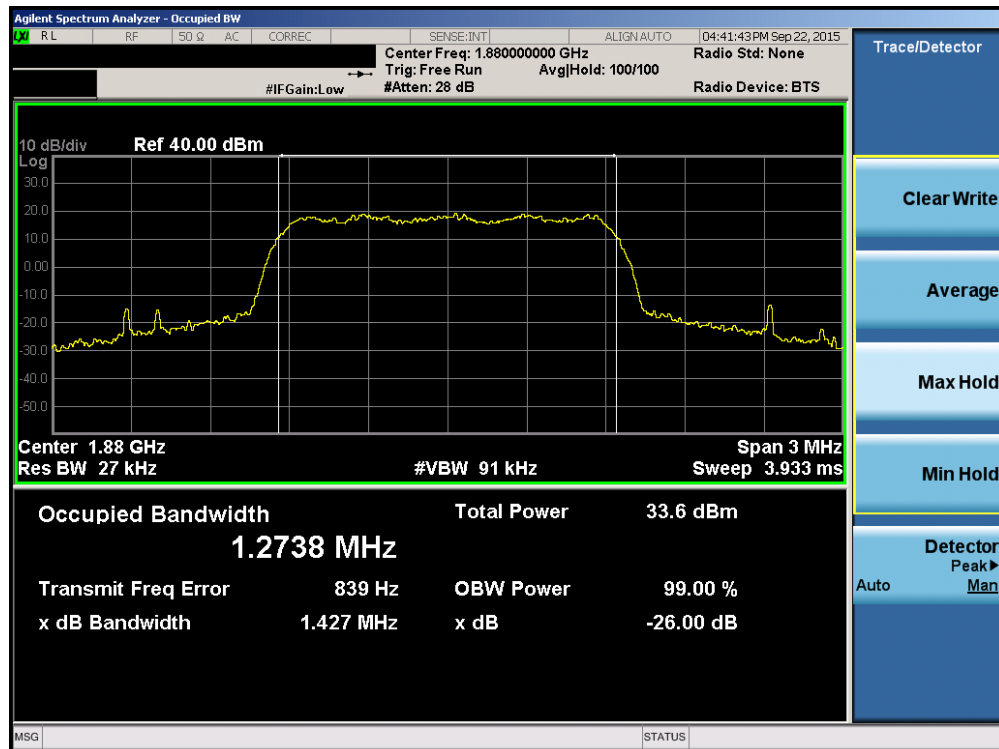
Test Notes

None.

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 11 of 42



Plot 6-1. Occupied Bandwidth Plot (Cellular CDMA Mode – Ch. 384)



Plot 6-2. Occupied Bandwidth Plot (PCS CDMA Mode – Ch. 600)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset	Page 12 of 42		

6.3 Spurious and Harmonic Emissions at Antenna Terminal

§2.1051 §22.917(a) §24.238(a)

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 v02r02 – Section 6.0

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 10GHz for Cell, 20GHz for PCS (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

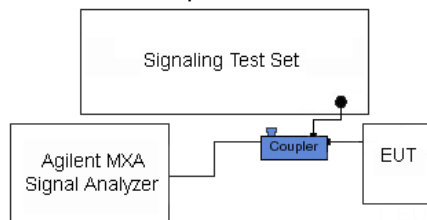
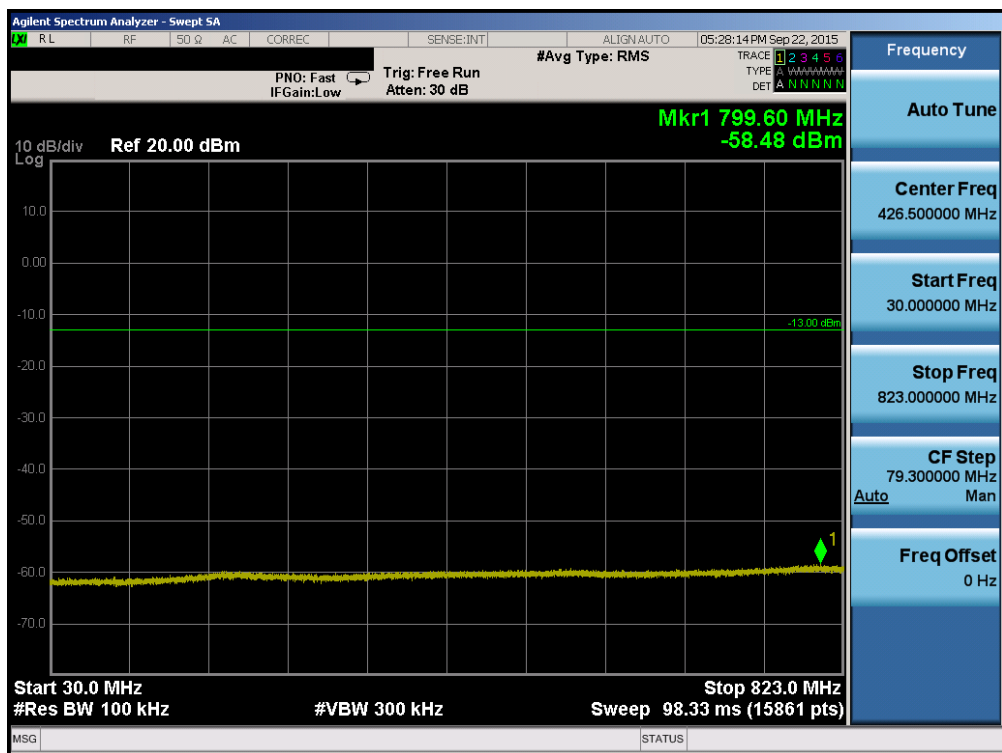


Figure 6-2. Test Instrument & Measurement Setup

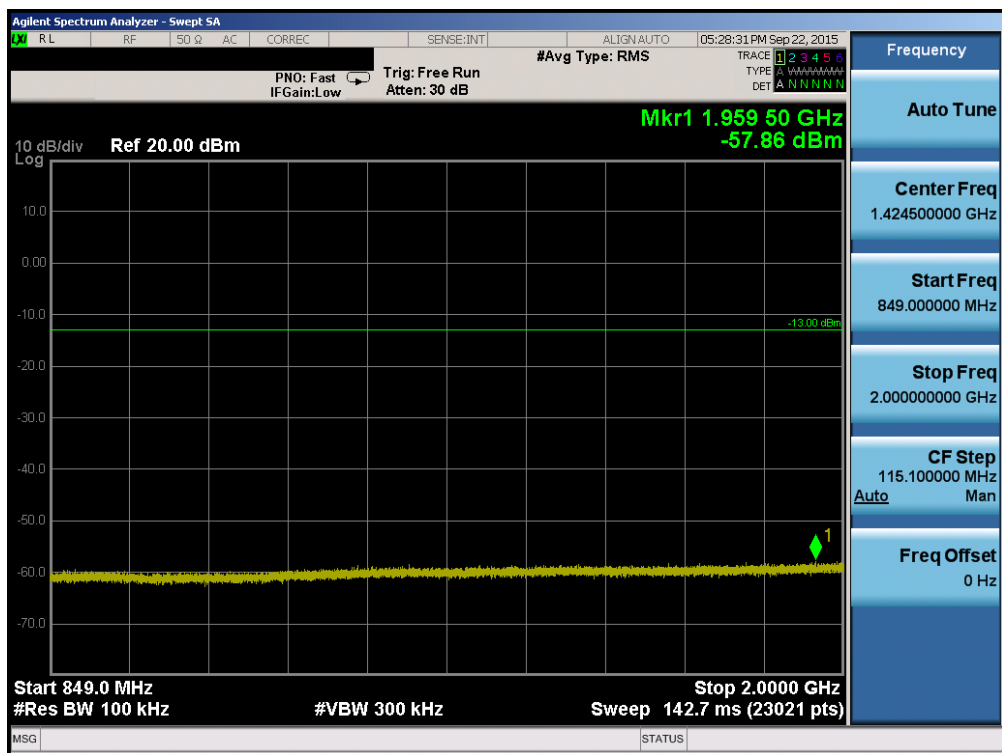
Test Notes

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for Part 22 and 1 MHz or greater for Part 24. 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. 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 emission are attenuated at least 26 dB below the transmitter power.

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EVDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 13 of 42

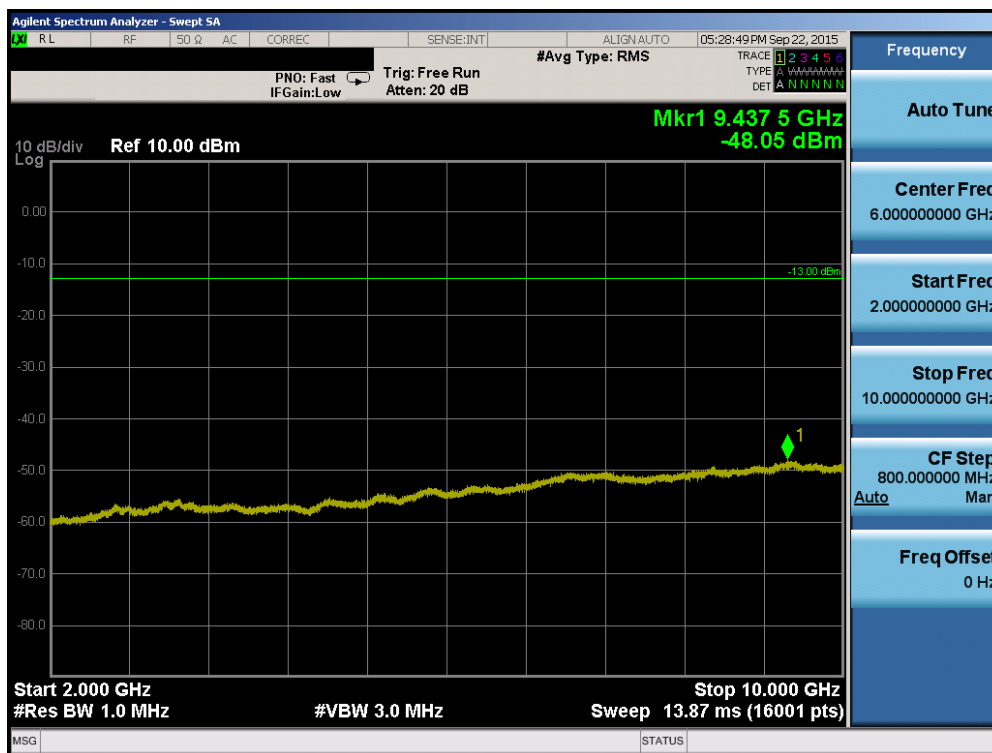


Plot 6-3. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 1013)

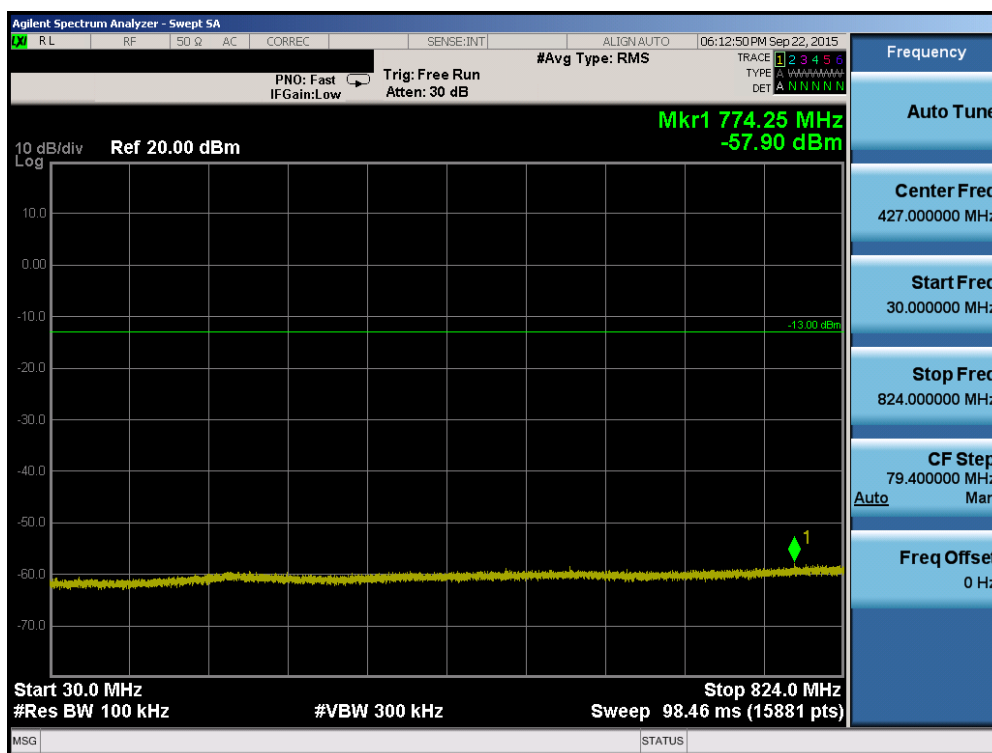


Plot 6-4. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 1013)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 14 of 42

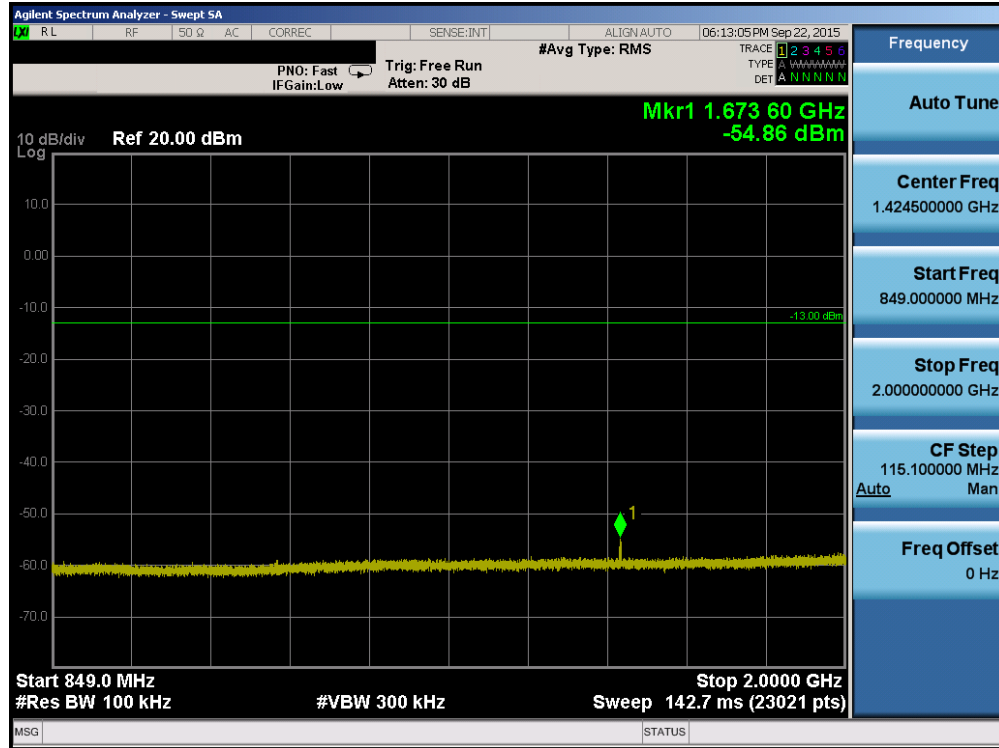


Plot 6-5. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 1013)

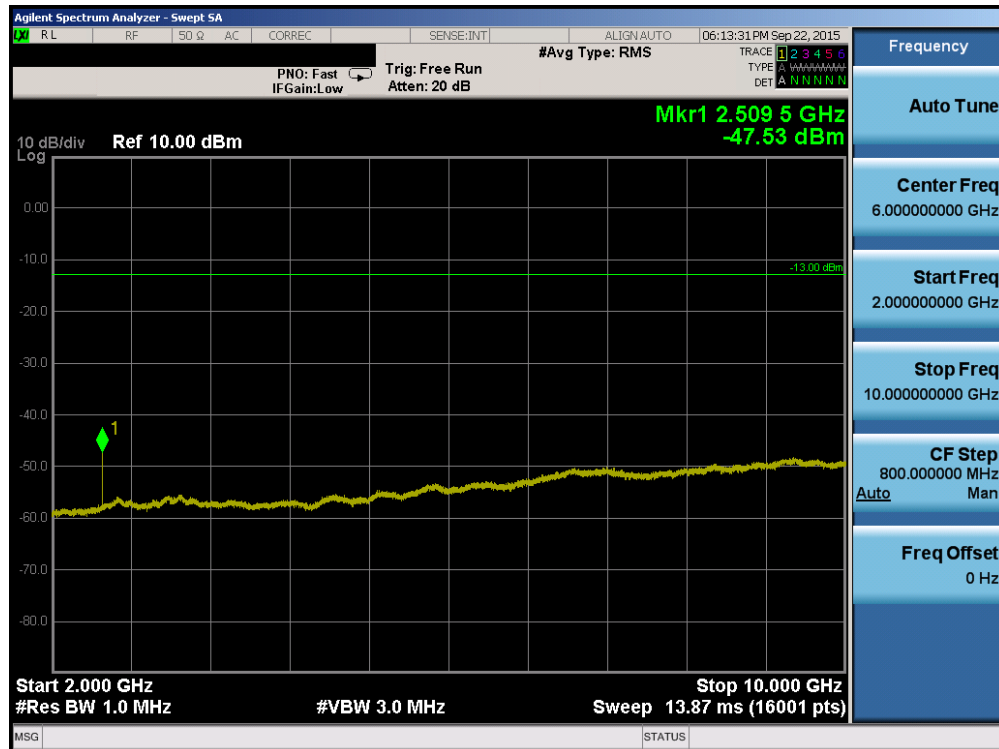


Plot 6-6. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 384)

FCC ID: V65CD8100	 FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset	Page 15 of 42	

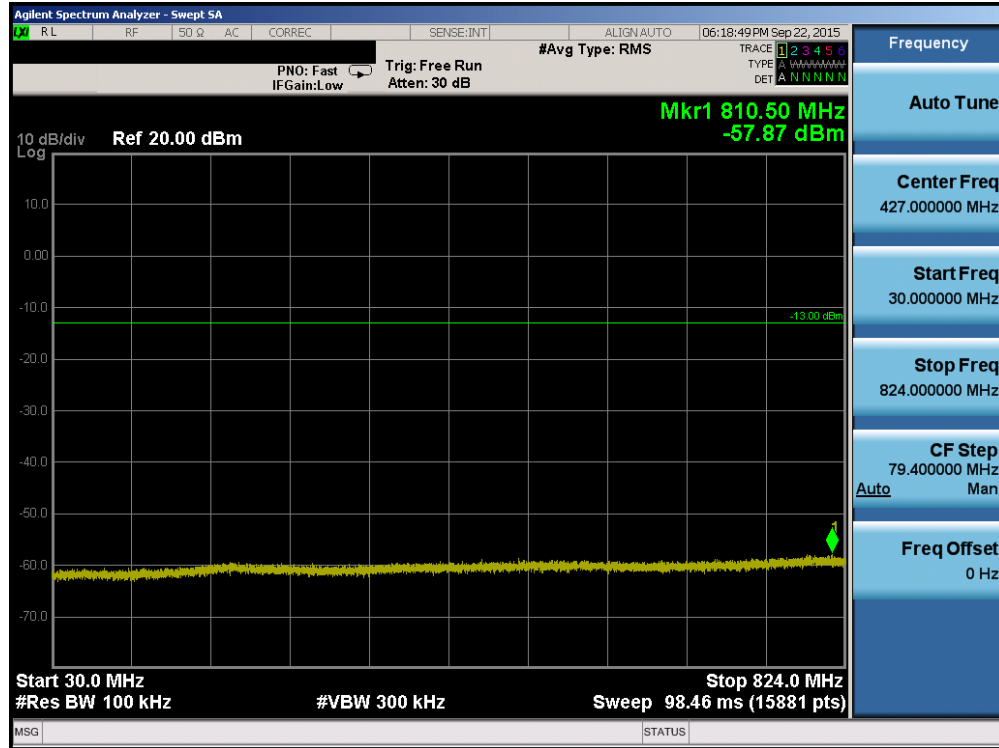


Plot 6-7. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 384)

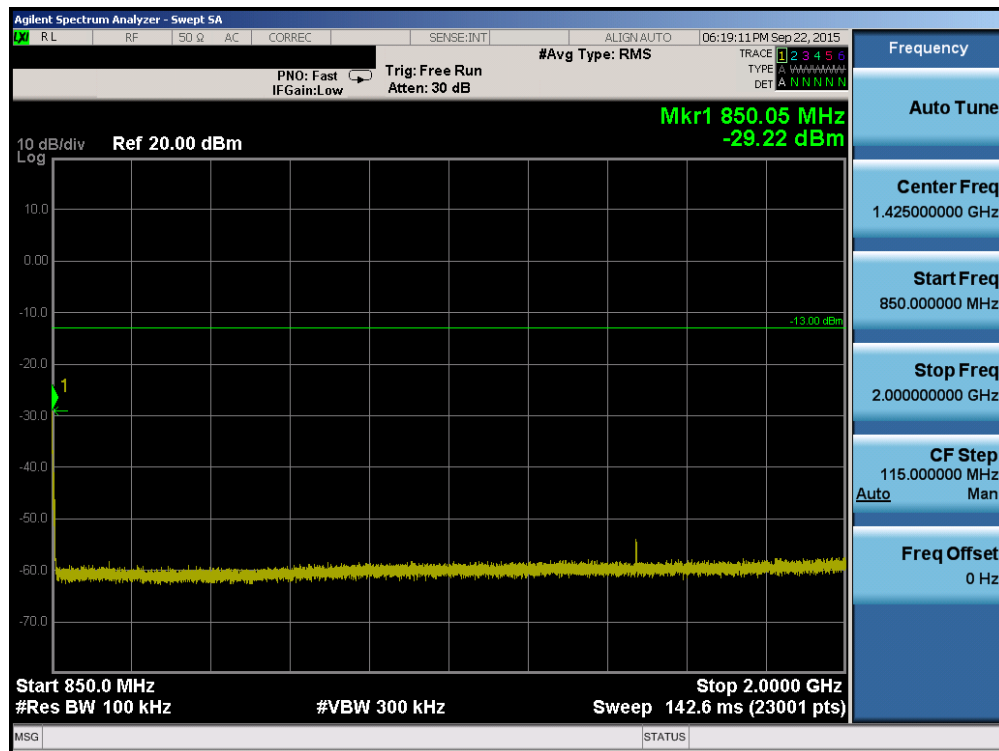


Plot 6-8. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 384)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 16 of 42

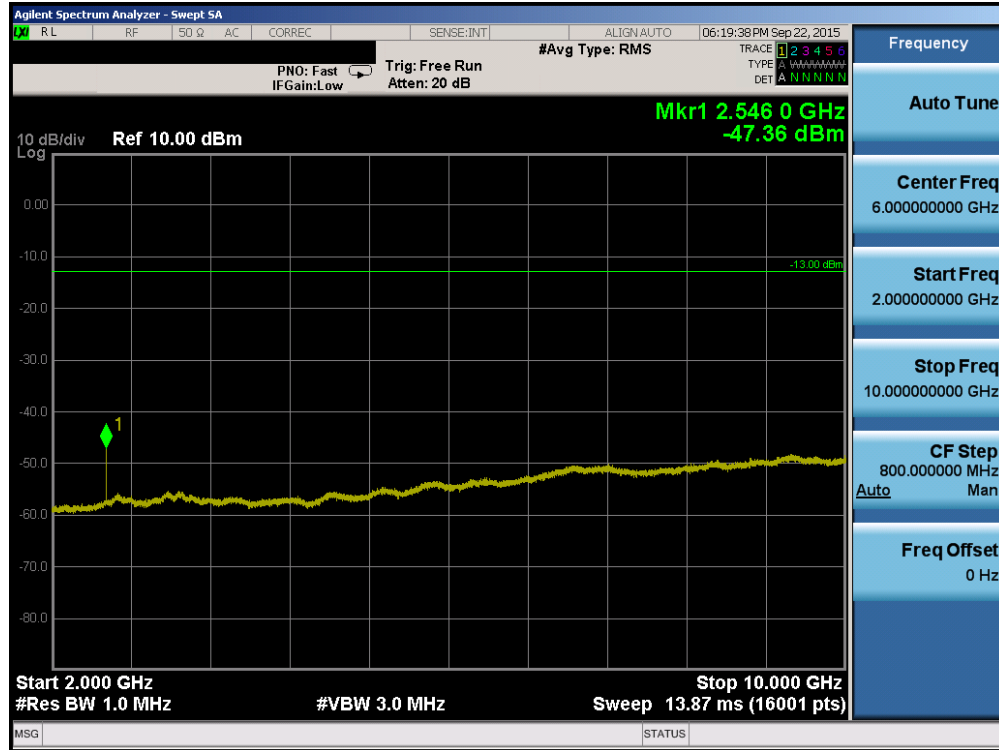


Plot 6-9. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 777)

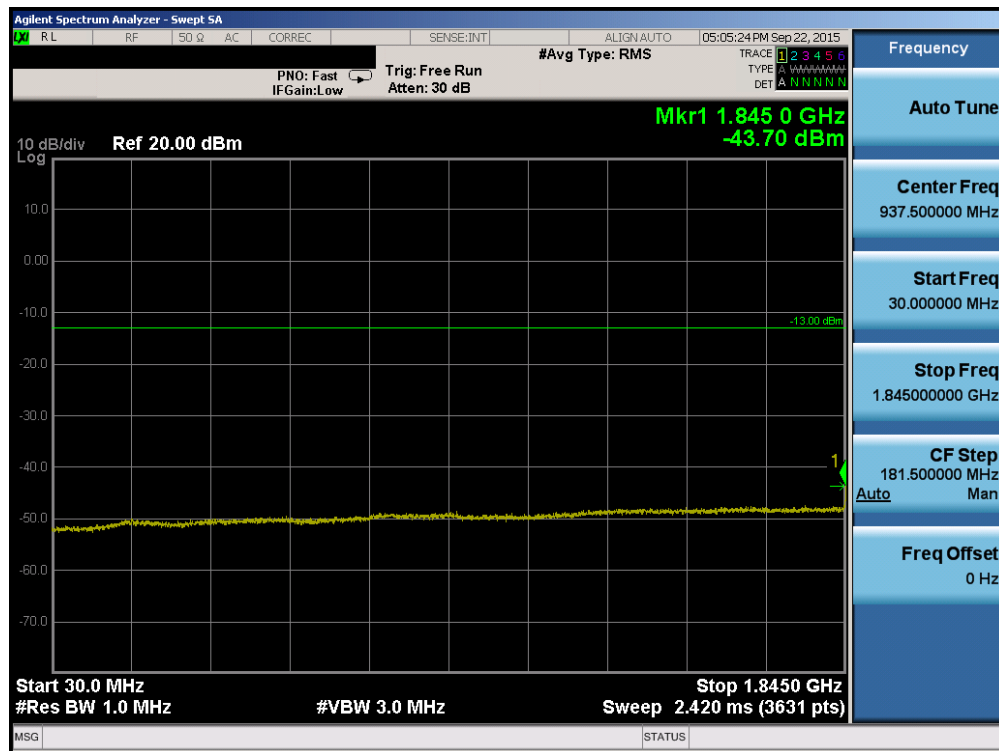


Plot 6-10. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 777)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 17 of 42



Plot 6-11. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 777)

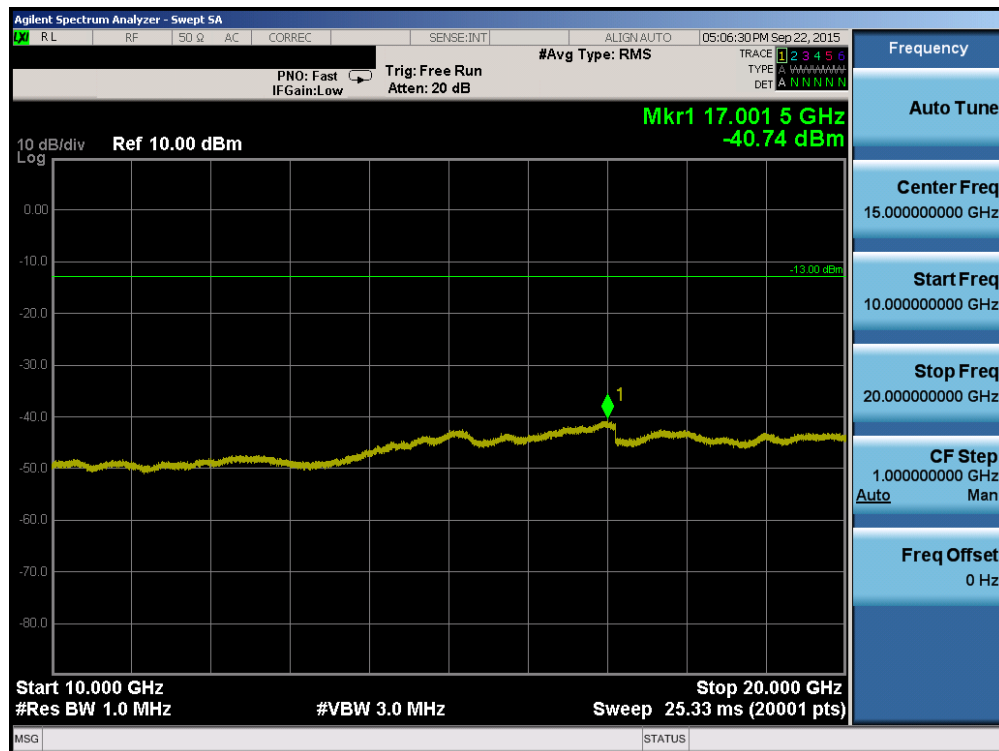


Plot 6-12. Conducted Spurious Plot (PCS CDMA Mode – Ch. 25)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 18 of 42

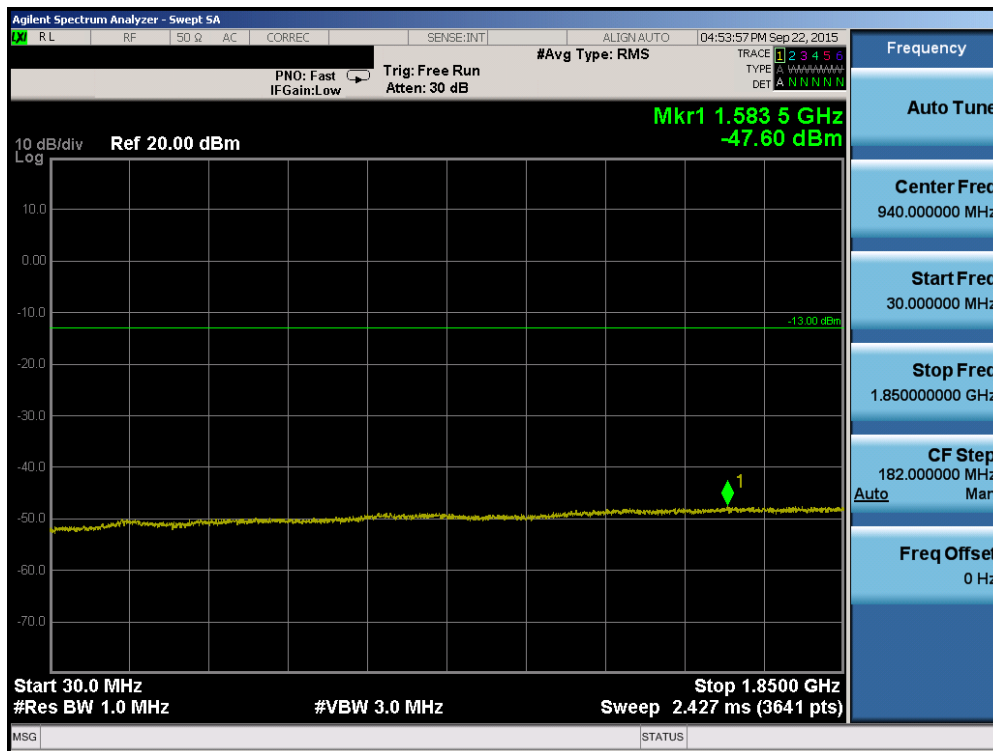


Plot 6-13. Conducted Spurious Plot (PCS CDMA Mode – Ch. 25)

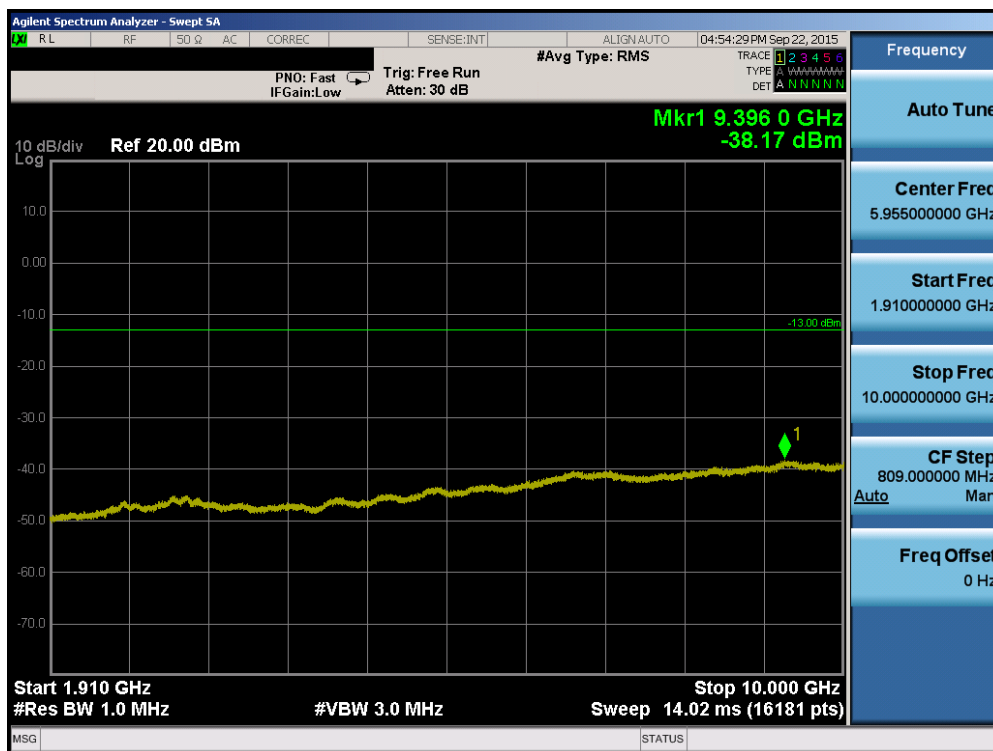


Plot 6-14. Conducted Spurious Plot (PCS CDMA Mode – Ch. 25)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset	Page 19 of 42		

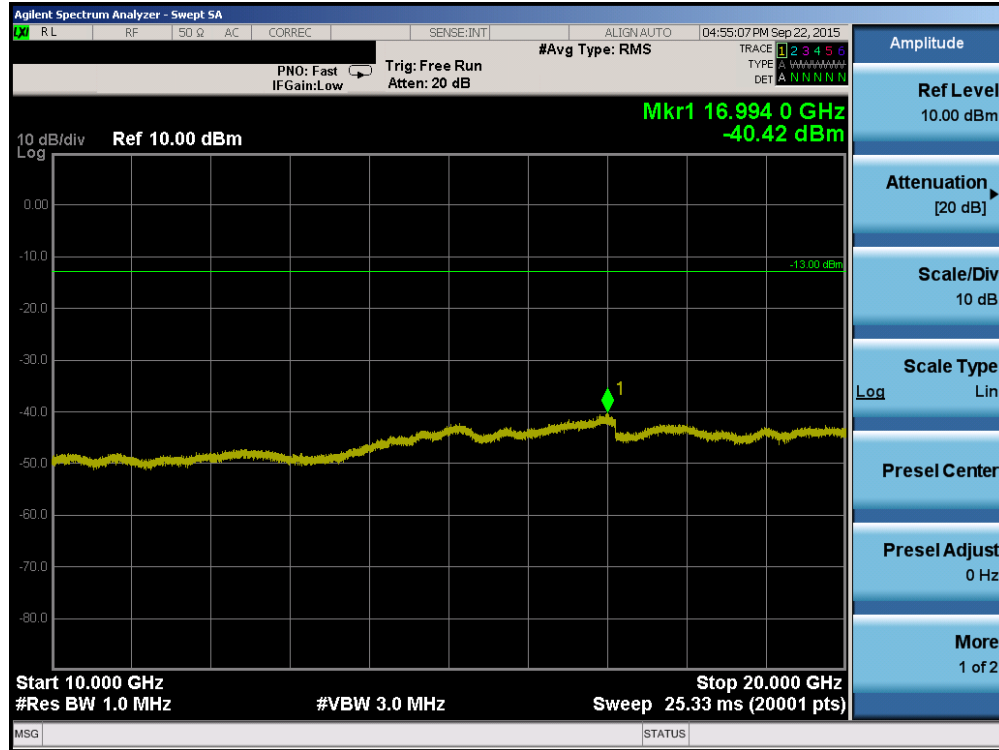


Plot 6-15. Conducted Spurious Plot (PCS CDMA Mode – Ch. 600)

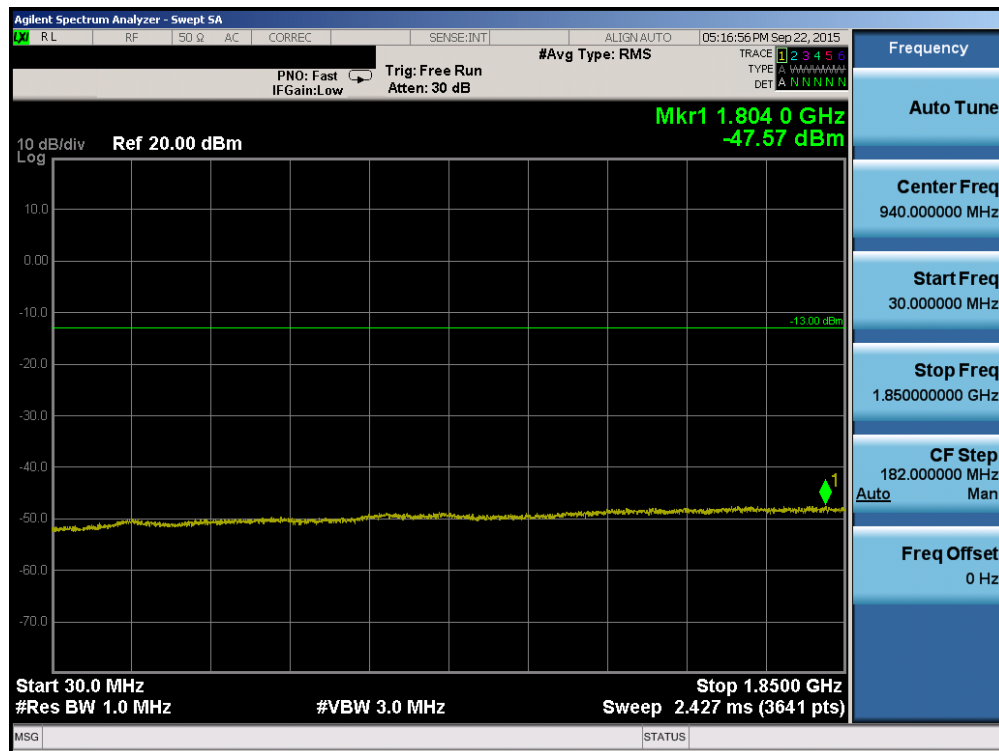


Plot 6-16. Conducted Spurious Plot (PCS CDMA Mode – Ch. 600)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 20 of 42



Plot 6-17. Conducted Spurious Plot (PCS CDMA Mode – Ch. 600)

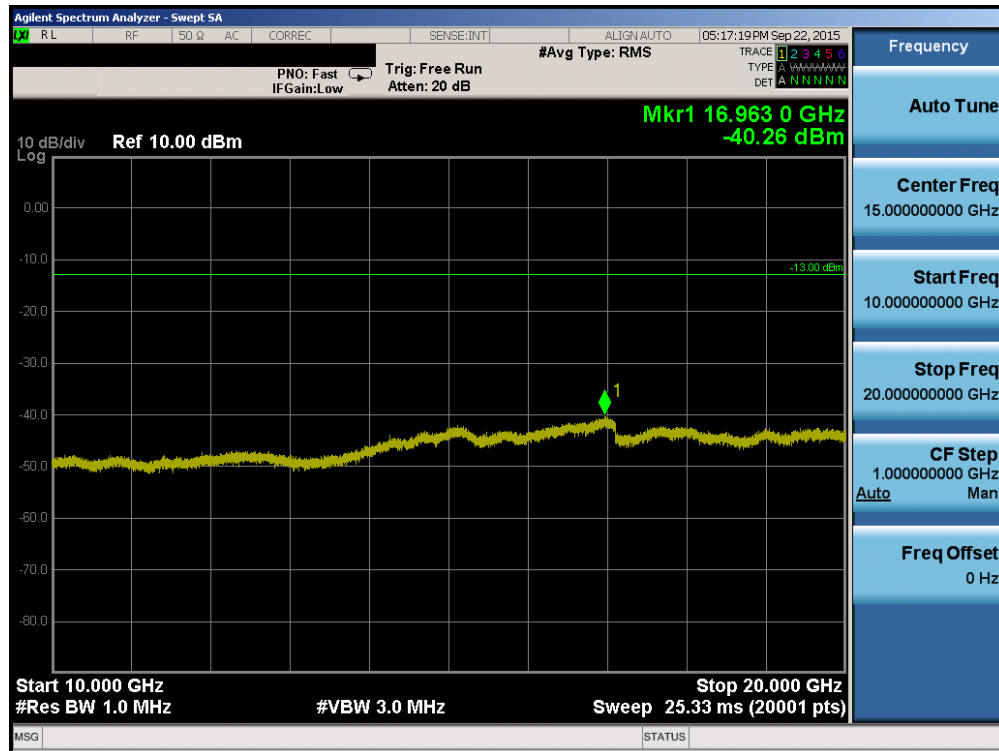


Plot 6-18. Conducted Spurious Plot (PCS CDMA Mode – Ch. 1175)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 21 of 42



Plot 6-19. Conducted Spurious Plot (PCS CDMA Mode – Ch. 1175)



Plot 6-20. Conducted Spurious Plot (PCS CDMA Mode – Ch. 1175)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 22 of 42

6.4 Band Edge Emissions at Antenna Terminal

§2.1051 §22.917(a) §24.238(a)

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 v02r02 – Section 6.0

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW $\geq 1\%$ of the emission bandwidth
4. VBW $\geq 3 \times$ RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times$ Span/RBW
7. Trace mode = trace average
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

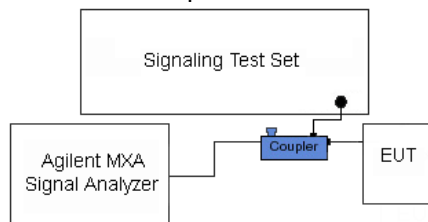
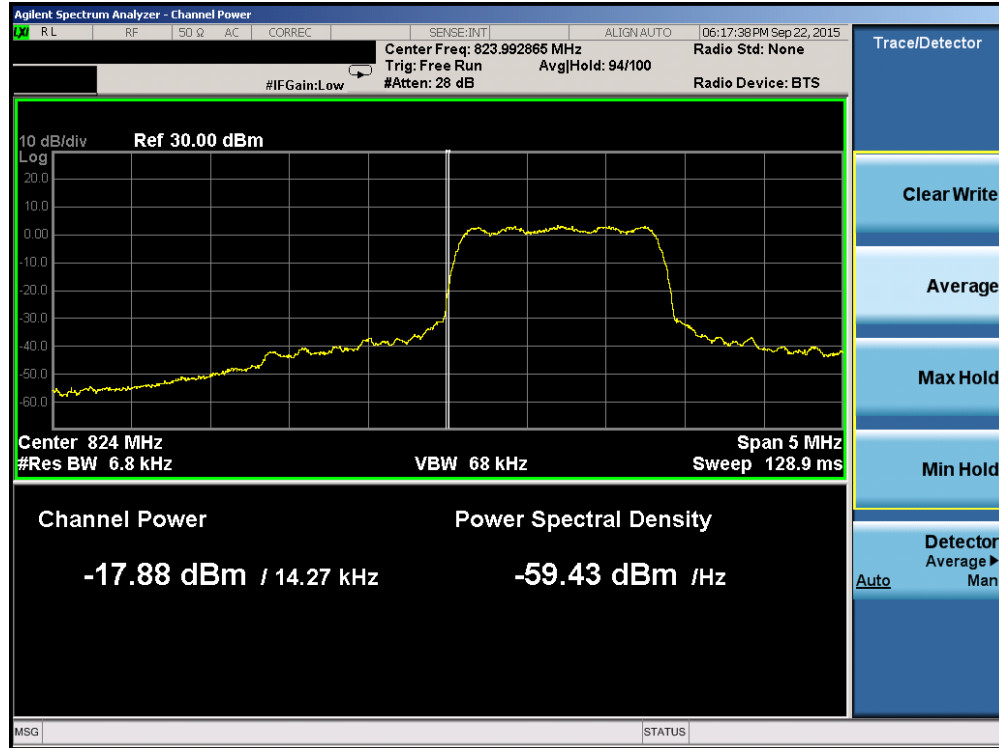


Figure 6-3. Test Instrument & Measurement Setup

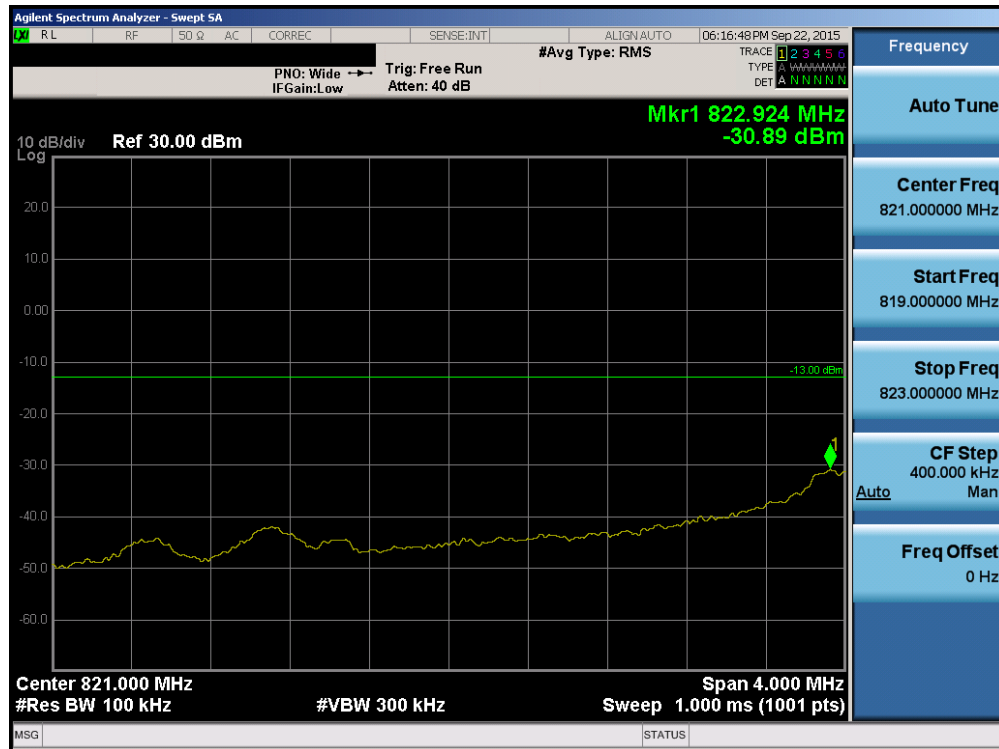
Test Notes

Per 22.917(b), 24.238(b), 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 to demonstrate compliance with the out-of-band emissions limit. 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 emission are attenuated at least 26 dB below the transmitter power.

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EVDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 23 of 42

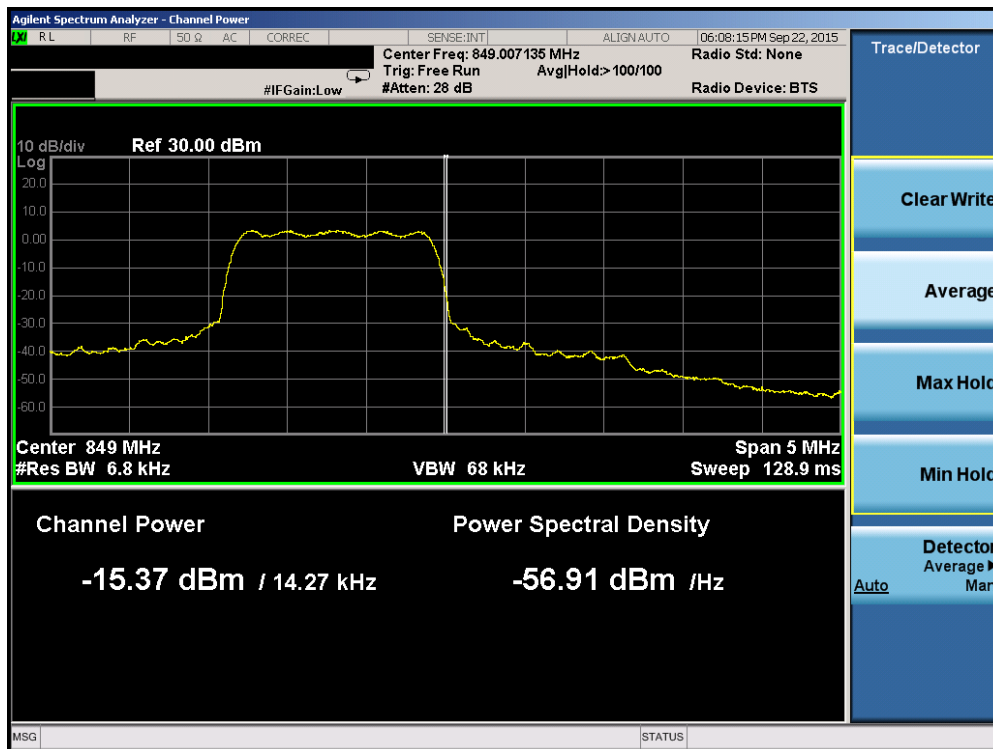


Plot 6-21. Band Edge Plot (Cellular CDMA Mode – Ch. 1013)



Plot 6-22. 4MHz Span Plot (Cellular CDMA Mode – Ch. 1013)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 24 of 42

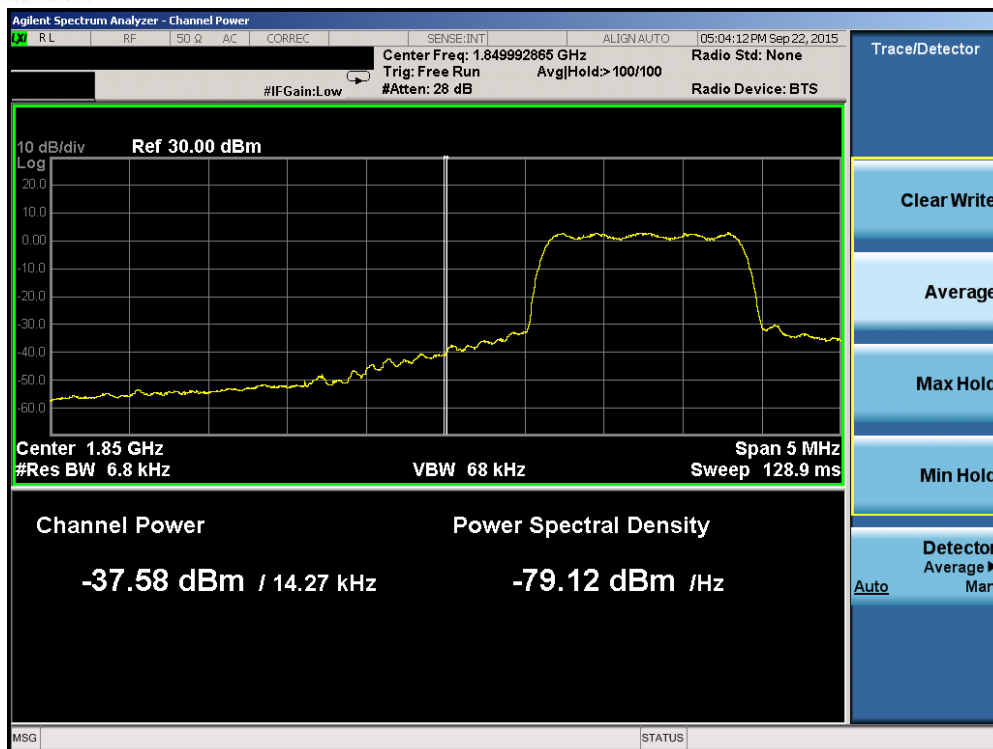


Plot 6-23. Band Edge Plot (Cellular CDMA Mode – Ch. 777)

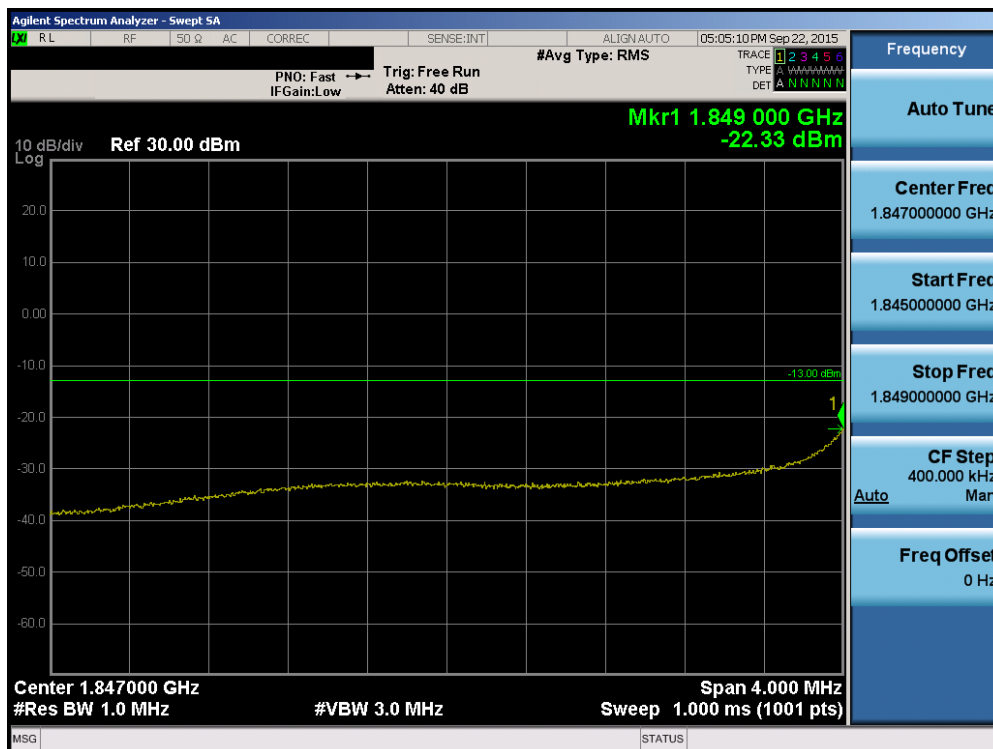


Plot 6-24. 4MHz Span Plot (Cellular CDMA Mode – Ch. 777)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 25 of 42

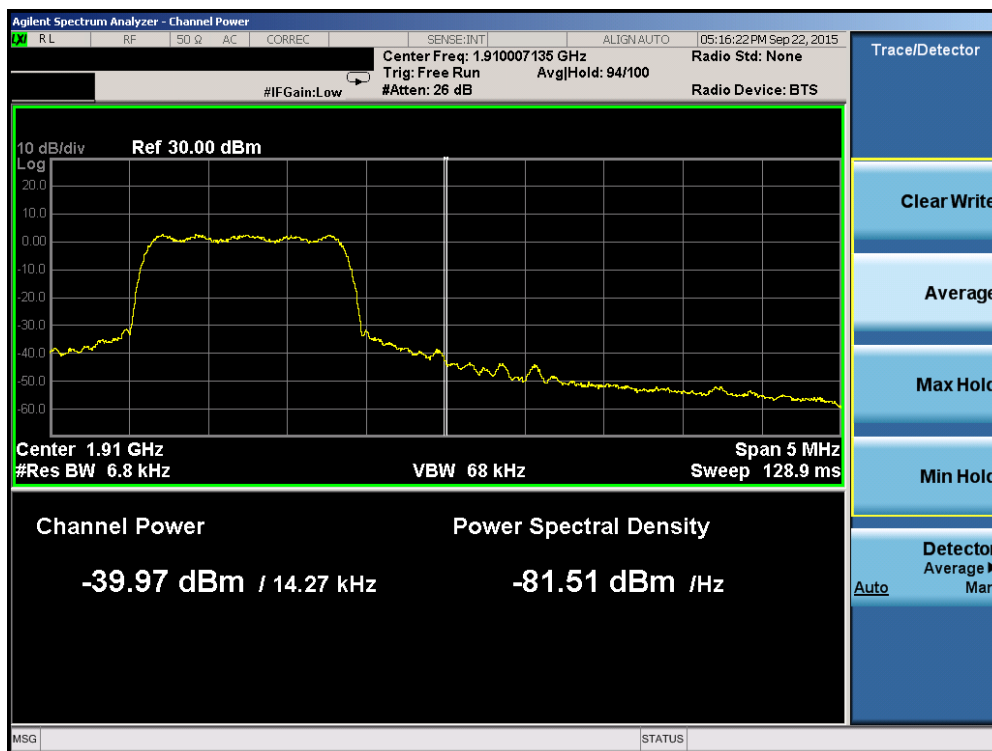


Plot 6-25. Band Edge Plot (PCS CDMA Mode – Ch. 25)

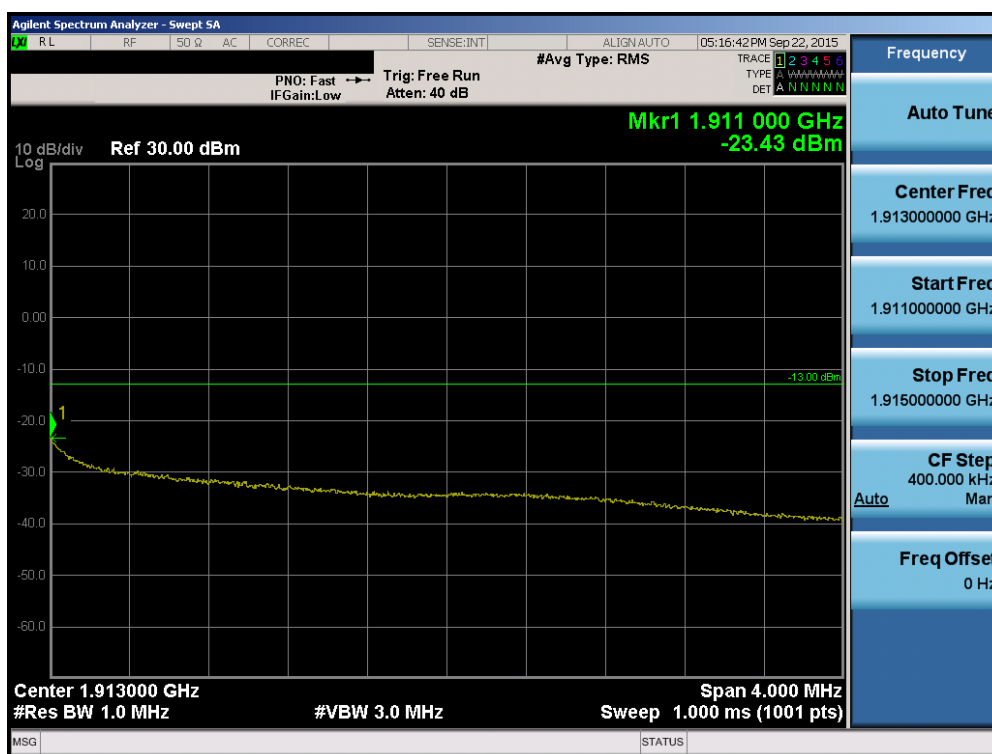


Plot 6-26. 4MHz Span Plot (PCS CDMA Mode – Ch. 25)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EVDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 26 of 42



Plot 6-27. Band Edge Plot (PCS CDMA Mode – Ch. 1175)



Plot 6-28. 4MHz Span Plot (PCS CDMA Mode – Ch. 1175)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 27 of 42

6.5 Peak-Average Ratio

§24.232(d)

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

Test Procedure Used

KDB 971168 v02r02 – Section 5.7.1

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

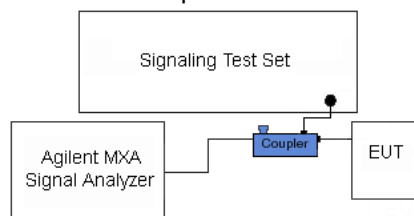
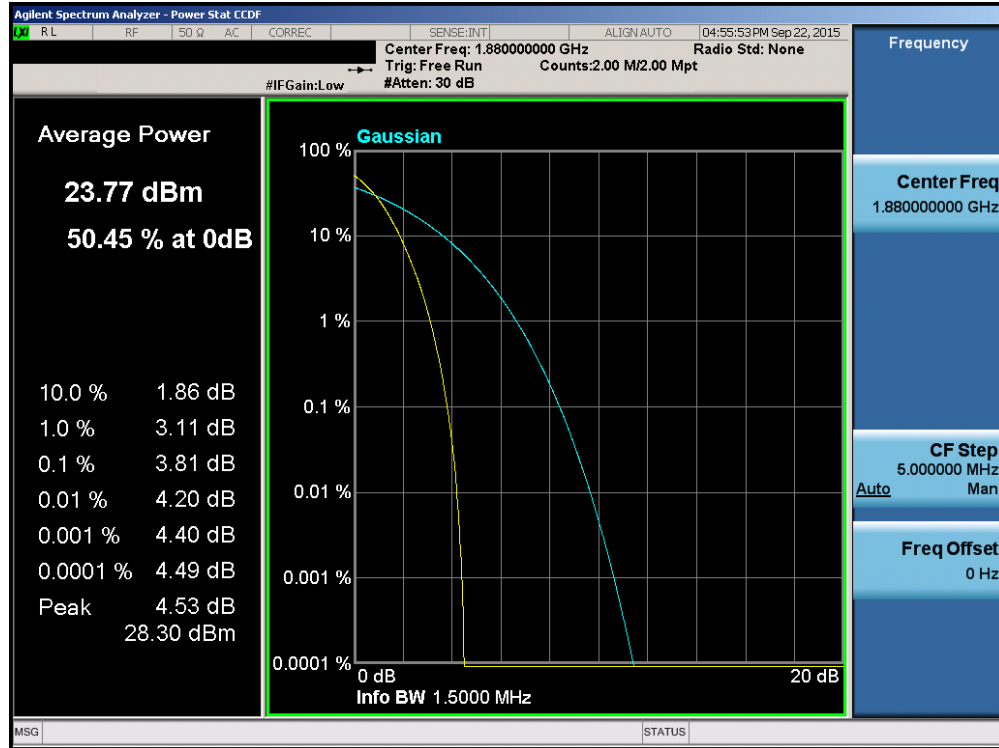


Figure 6-4. Test Instrument & Measurement Setup

Test Notes

None

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 28 of 42



Plot 6-29. Peak-Average Ratio Plot (PCS CDMA Mode – Ch. 600)

FCC ID: V65CD8100	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 29 of 42

6.6 Radiated Power (ERP/EIRP)

§22.913(a)(2) 24.232(c)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI/TIA-603-C-2004 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 v02r02 – Section 5.2.1

ANSI/TIA-603-C-2004 – Section 2.2.17

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize

FCC ID: V65CD8100	 FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 30 of 42

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

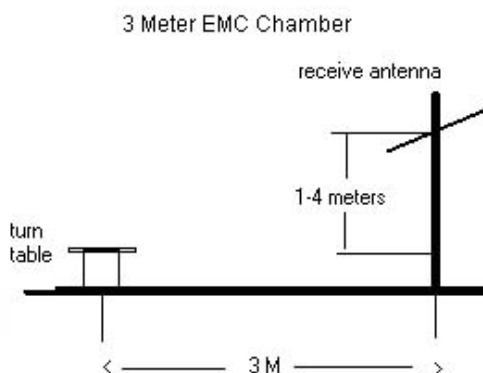


Figure 6-5. Test Instrument & Measurement Setup

Test Notes

- 1) This device was tested under all RC and SO combinations and the worst case is reported with RC3/SO55 with "All Up" power control bits.
- 2) This unit was tested with its standard battery.
- 3) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [m]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBd]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
824.70	CDMA850	V	1.37	72	16.21	2.98	19.19	0.083	38.45	-19.26
836.52	CDMA850	V	1.25	31	16.94	3.04	19.98	0.100	38.45	-18.47
848.31	CDMA850	V	1.34	109	18.68	3.10	21.78	0.151	38.45	-16.67

Table 6-2. ERP (Cellular CDMA)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [m]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1851.25	CDMA1900	V	1.21	201	15.01	8.34	23.35	0.217	33.01	-9.66
1880.00	CDMA1900	V	1.14	186	15.17	8.46	23.63	0.231	33.01	-9.38
1908.75	CDMA1900	V	1.16	181	14.50	8.64	23.14	0.206	33.01	-9.87

Table 6-3. EIRP (PCS CDMA)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)						KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset							Page 31 of 42

6.7 Radiated Spurious Emissions Measurements

§2.1053 §22.917(a) 24.238(a)

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-C-2004 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 v02r02 – Section 5.8

ANSI/TIA-603-C-2004 – Section 2.2.12

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = Peak
6. Trace mode = max hold
7. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

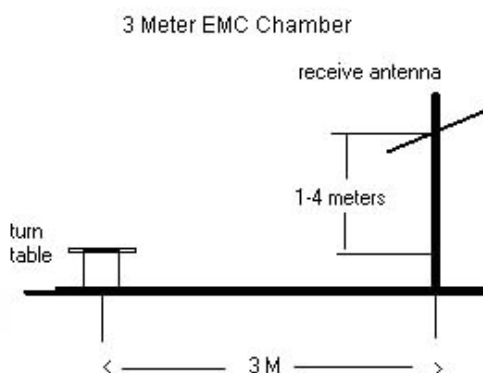


Figure 6-6. Test Instrument & Measurement Setup

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 32 of 42

Test Notes

- 1) This device was tested under all RC and SO combinations and the worst case is reported with RC3/SO55 with "All Up" power control bits.
- 2) This unit was tested with its standard battery.
- 3) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.

OPERATING FREQUENCY: 824.70 MHz
 CHANNEL: 1013
 MEASURED OUTPUT POWER: 19.19 dBm = 0.083 W
 MODULATION SIGNAL: CDMA
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 32.19 dBc

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [m]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBd]	Spurious Emission Level [dBm]	[dBc]
1649.40	H	1.00	167	-47.92	6.56	-41.36	60.5
2474.10	H	1.00	280	-47.87	7.30	-40.57	59.8
3298.80	H	1.00	90	-55.66	7.37	-48.29	67.5
4123.50	H	1.00	360	-54.90	8.02	-46.88	66.1
4948.20	H	1.00	360	-57.49	8.74	-48.75	67.9

Table 6-4. Radiated Spurious Data (Cellular CDMA Mode – Ch. 1013)

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 33 of 42

OPERATING FREQUENCY: 836.52 MHz
 CHANNEL: 384
 MEASURED OUTPUT POWER: 19.98 dBm = 0.100 W
 MODULATION SIGNAL: CDMA
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 32.98 dBc

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [m]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBd]	Spurious Emission Level [dBm]	[dBc]
1673.04	H	1.28	54	-47.53	6.55	-40.98	61.0
2509.56	H	1.00	79	-48.61	7.34	-41.27	61.3
3346.08	H	1.00	145	-52.08	7.44	-44.64	64.6
4182.60	H	1.00	360	-54.48	8.20	-46.28	66.3
5019.12	H	1.00	360	-58.15	8.74	-49.40	69.4

Table 6-5. Radiated Spurious Data (Cellular CDMA Mode – Ch. 384)

OPERATING FREQUENCY: 848.31 MHz
 CHANNEL: 777
 MEASURED OUTPUT POWER: 21.78 dBm = 0.151 W
 MODULATION SIGNAL: CDMA
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 34.78 dBc

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [m]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBd]	Spurious Emission Level [dBm]	[dBc]
1696.62	H	1.22	164	-44.50	6.55	-37.96	59.7
2544.93	H	1.00	252	-46.72	7.36	-39.36	61.1
3393.24	H	1.00	128	-52.61	7.51	-45.10	66.9
4241.55	H	1.00	15	-51.43	8.39	-43.04	64.8
5089.86	H	1.00	15	-57.19	8.61	-48.58	70.4

Table 6-6. Radiated Spurious Data (Cellular CDMA Mode – Ch. 777)

OPERATING FREQUENCY: 1851.25 MHz
 CHANNEL: 25
 MEASURED OUTPUT POWER: 23.35 dBm = 0.217 W
 MODULATION SIGNAL: CDMA
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 36.35 dBc

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [m]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	[dBc]
3702.50	H	1.00	270	-48.64	9.43	-39.21	62.6
5553.75	H	1.00	270	-56.24	10.79	-45.45	68.8
7405.00	H	1.00	270	-52.26	10.70	-41.56	64.9

Table 6-7. Radiated Spurious Data (PCS CDMA Mode – Ch. 25)

OPERATING FREQUENCY: 1880.00 MHz
 CHANNEL: 600
 MEASURED OUTPUT POWER: 23.63 dBm = 0.231 W
 MODULATION SIGNAL: CDMA
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 36.63 dBc

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [m]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	[dBc]
3760.00	H	1.00	277	-50.42	9.28	-41.14	64.5
5640.00	H	1.00	277	-56.78	11.03	-45.74	69.1
7520.00	H	1.00	277	-54.03	10.97	-43.06	66.4

Table 6-8. Radiated Spurious Data (PCS CDMA Mode – Ch. 600)

OPERATING FREQUENCY: 1908.75 MHz
 CHANNEL: 1175
 MEASURED OUTPUT POWER: 23.14 dBm = 0.206 W
 MODULATION SIGNAL: CDMA
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 36.14 dBc

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [m]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	[dBc]
3817.50	H	1.00	268	-52.12	9.19	-42.93	66.3
5726.25	H	1.00	268	-56.65	11.28	-45.37	68.7
7635.00	H	1.00	268	-54.71	11.17	-43.54	66.9

Table 6-9. Radiated Spurious Data (PCS CDMA Mode – Ch. 1175)

6.8 Frequency Stability / Temperature Variation

\$2.1055 \$22.355 \$24.235

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-C-2004. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency. For Part 24, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI/TIA-603-C-2004

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

None

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 37 of 42

Frequency Stability / Temperature Variation

§2.1055 §22.355

OPERATING FREQUENCY: 836,520,000 Hz
 CHANNEL: 384
 REFERENCE VOLTAGE: 3.80 VDC
 DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	+ 20 (Ref)	836,519,848	-152	-0.0000182
100 %		- 30	836,520,135	135	0.0000161
100 %		- 20	836,519,692	-308	-0.0000368
100 %		- 10	836,520,013	13	0.0000016
100 %		0	836,519,998	-2	-0.0000002
100 %		+ 10	836,519,943	-57	-0.0000068
100 %		+ 20	836,519,900	-100	-0.0000120
100 %		+ 30	836,519,590	-410	-0.0000490
100 %		+ 40	836,519,802	-198	-0.0000237
100 %		+ 50	836,519,771	-229	-0.0000274
BATT. ENDPOINT	3.40	+ 20	836,520,164	164	0.0000196

Table 6-10. Frequency Stability Data (Cellular CDMA Mode – Ch. 384)

FCC ID: V65CD8100	 FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 38 of 42

Frequency Stability / Temperature Variation

§2.1055 §22.355

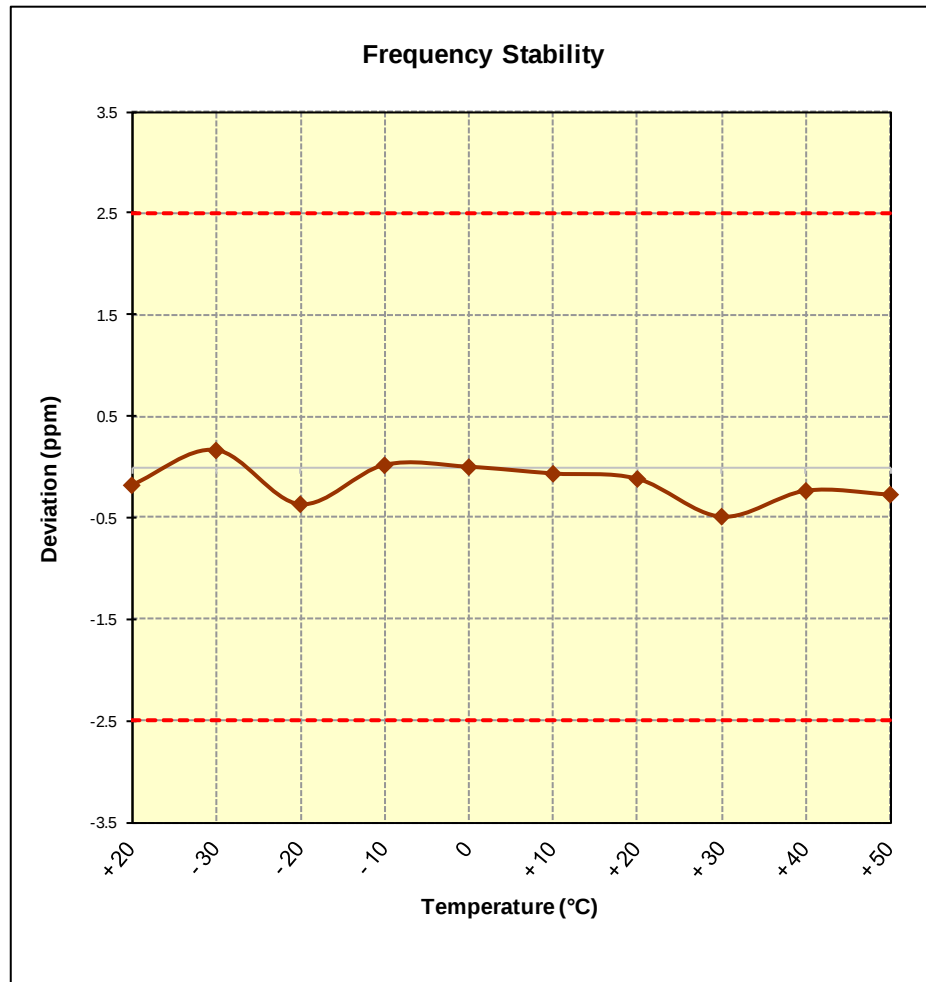


Figure 6-7. Frequency Stability Graph (Cellular CDMA Mode – Ch. 384)

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 39 of 42

Frequency Stability / Temperature Variation

§2.1055 §24.235

OPERATING FREQUENCY: 1,880,000,000 Hz
 CHANNEL: 600
 REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	+ 20 (Ref)	1,879,999,830	-170	-0.0000090
100 %		- 30	1,880,000,295	295	0.0000157
100 %		- 20	1,880,000,321	321	0.0000171
100 %		- 10	1,880,000,057	57	0.0000030
100 %		0	1,880,000,084	84	0.0000045
100 %		+ 10	1,879,999,784	-216	-0.0000115
100 %		+ 20	1,879,999,984	-16	-0.0000009
100 %		+ 30	1,879,999,712	-288	-0.0000153
100 %		+ 40	1,879,999,657	-343	-0.0000182
100 %		+ 50	1,880,000,019	19	0.0000010
BATT. ENDPOINT	3.40	+ 20	1,879,999,781	-219	-0.0000116

Table 6-11. Frequency Stability Data (PCS CDMA Mode – Ch. 600)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

FCC ID: V65CD8100	 FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION) 		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset	Page 40 of 42

Frequency Stability / Temperature Variation

§2.1055 §24.235

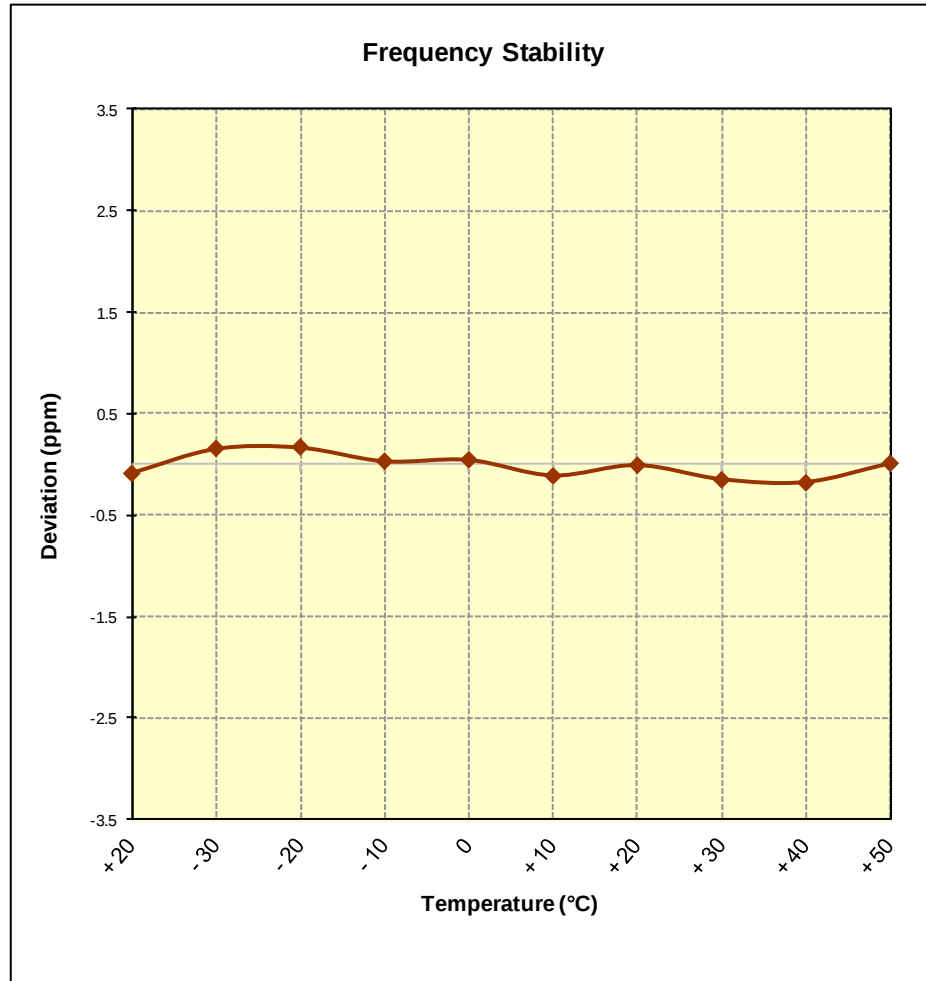


Figure 6-8. Frequency Stability Graph (PCS CDMA Mode – Ch. 600)

FCC ID: V65CD8100	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)	KYOCERA	Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 41 of 42

7.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Kyocera Portable Handset FCC ID: V65CD8100** complies with all the requirements of Parts 22 & 24 of the FCC rules.

FCC ID: V65CD8100		FCC Pt. 22 & 24 CDMA/EvDO MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1509141768-R3.V65	Test Dates: 9/14-9/23/2015	EUT Type: Portable Handset		Page 42 of 42