



PCTEST ENGINEERING LABORATORY, INC.

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<http://www.pctestlab.com>



CERTIFICATE OF COMPLIANCE FCC Part 22 & 24 Certification

Applicant Name:

Digital Receiver Technology, Inc
20250 Century Boulevard, Suite 300
Germantown, MD 20874-1114
USA

Date of Testing:

February 24 - March 12, 2009

Test Site/Location:

PCTEST Lab., Columbia, MD, USA

Test Report Serial No.:

0903030371.DRT

FCC ID:**TBD****APPLICANT:****DIGITAL RECEIVER TECHNOLOGY, INC****Application Type:**

Certification

FCC Classification:

PCS Licensed Transmitter (PCB)

FCC Rule Part(s):

§2; §22(H), §24(E)

EUT Type:

Portable Base Station

Model(s):

DRT1201B

Tx Frequency Range:

869.2 - 893.8MHz (Cell. GSM) / 1930.2 - 1989.8MHz (PCS GSM)

869.7 - 893.31MHz (Cell. CDMA) / 1931.25 - 1988.75MHz (PCS CDMA)

Max. RF Output Power:

(10.4 dBm Conducted (Cell. GSM)) / (10.19 dBm conducted (PCS GSM))

(8.54 dBm Conducted (Cell. CDMA)) / (6.45 dBm conducted (PCS CDMA))

Emission Designator(s):

234KGXW (Cellular GSM), 236KGXW (PCS GSM)

1M24F9W (Cellular CDMA), 1M25F9W (PCS CDMA)


Test Device Serial No.:*identical prototype* [S/N: N/A]

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.

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.

Grant Conditions: Power output listed is conducted..

PCTEST certifies that no party to this application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862.


Randy Ortanez
President







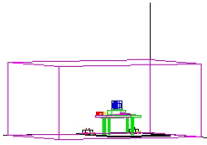
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MEASUREMENT REPORT

FCC Part 22 & 24

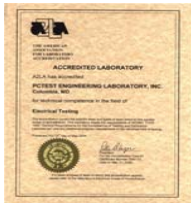


§2.1033 General Information



APPLICANT: Digital Receiver Technology, Inc
APPLICANT ADDRESS: 20250 Century Boulevard, Suite 300
 Germantown, MD 20874-1114
TEST SITE: PCTEST ENGINEERING LABORATORY, INC.
TEST SITE ADDRESS: 6660-B Dobbin Road, Columbia, MD 21045 USA
FCC RULE PART(S): §2; §22(H), §24(E)
BASE MODEL: DRT1201B
FCC ID: TBD
FCC CLASSIFICATION: PCS Licensed Transmitter (PCB)
EMISSION DESIGNATOR(S): 234KGXW (Cellular GSM), 236KGXW (PCS GSM)
 1M24F9W (Cellular CDMA), 1M25F9W (PCS CDMA)
MODE: GSM/CDMA
FREQUENCY TOLERANCE: $\pm 0.00025\%$ (2.5 ppm)
Test Device Serial No.: N/A ☐ Production ☒ Pre-Production ☐ Engineering
DATE(S) OF TEST: February 24 - March 12, 2009
TEST REPORT S/N: 0903030371.DRT

Test Facility / Accreditations

Measurements were performed at PCTEST Engineering Lab located in Columbia, MD 21045, U.S.A.



- PCTEST facility is an FCC registered (PCTEST Reg. No. 90864) 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 (2451A-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 (2451A-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.

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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.

1.2 Testing Facility

The map below shows the location of the PCTEST LABORATORY, its proximity to the FCC Laboratory, the Columbia vicinity area, 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 in New Concept Business Park, Guilford Industrial Park, Columbia, Maryland. The site address is 6660-B Dobbin Road, Columbia, MD 21045. The test site is one of the highest points in the Columbia area with an elevation of 390 feet above mean sea level. The site coordinates are 39° 11'15" N latitude and 76° 49'38" W longitude. The facility is 1.5 miles North of the FCC laboratory, and the ambient signal and ambient signal strength are approximately equal to those of the FCC laboratory. There are no FM or TV transmitters within 15 miles of the site. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2003 on January 27, 2006.

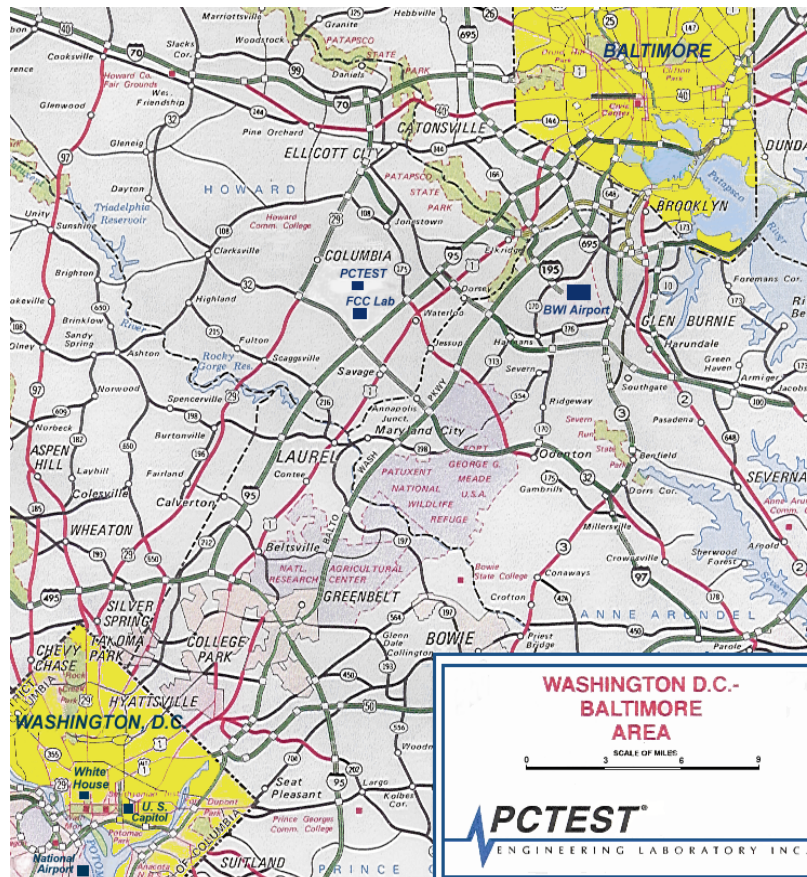


Figure 1-1. Map of the Greater Baltimore and Metropolitan Washington, D.C. area

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **DRT Portable Base Station, Model: DRT1201B, FCC ID: TBD**. The EUT consisted of the following component(s):

Trade Name / Base Model	FCC ID	Description
DRT / Model: DRT1201B	TBD	Portable Base Station

Table 2-1. EUT Equipment Description

The DRT1201B is configurable with up to 18 Digital Synthesizers (DEX) and Transmitters (TEX). For testing the unit was configured with an RFT Digital Tuner, WPM Processor, REF Reference Generator, CTL Computer Control, 2 DEX Digital Synthesizer, and 2 TEX Transmitter modules.

2.2 EMI Suppression Device(s)/Modifications

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

2.3 Labeling Requirements

Per 2.925

The FCC identifier shall be permanently affixed to the equipment and shall be readily visible to the purchaser at the time of purchase.



Per 15.19; Docket 95-19

In addition to this requirement, a device subject to certification shall be labeled as follows:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practical, only the trade name and FCC ID must be displayed on the device per Section 15.19(b)(2).

Please see attachment for FCC ID label and label location.

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3.0 DESCRIPTION OF TESTS

3.1 Measurement Procedure

The radiated spurious measurements were made indoors and validated on an outdoors 3-meter test range (See Figure 3-1). The equipment under test is placed on a wooden turntable 3-meters from the receive antenna. The receive antenna height and turntable rotations were adjusted for the highest reading on the receive spectrum analyzer. This power level was recorded using a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This level is recorded with the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic antenna are taken into consideration.

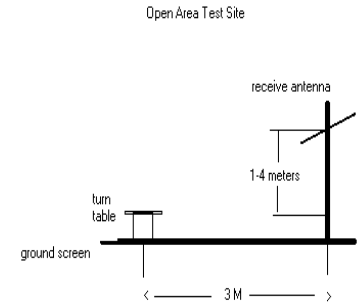


Figure 3-1. Diagram of 3-meter outdoor test range

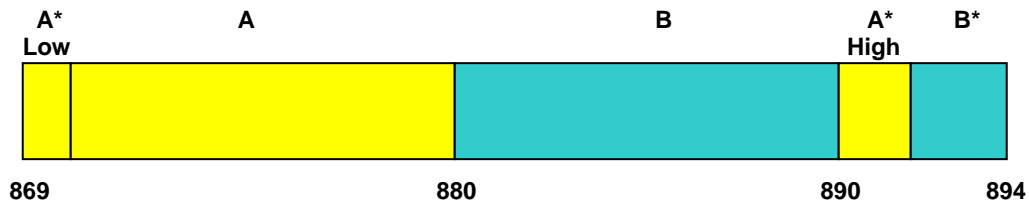
Deviation from Measurement Procedure.....None

3.2 Occupied Bandwidth Emission Limits

§2.1049, 22.917(a), 24.238(a)

- On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB.
- Compliance with these provisions 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. 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.
- When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges, both upper and lower, as the design permits.
- The measurement of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.

3.3 Cellular - Base Frequency Blocks



BLOCK 1: 869 – 880 MHz (A* Low + A)

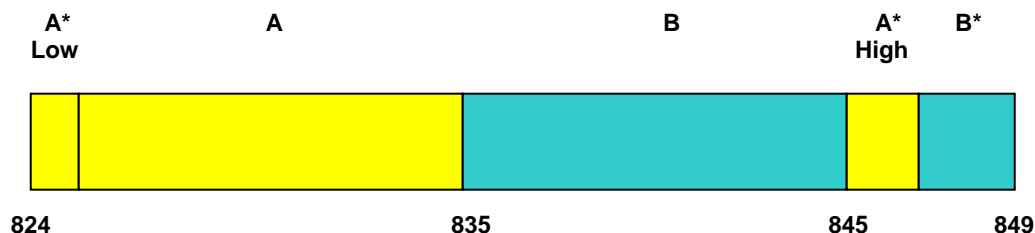
BLOCK 3: 890 – 891.5 MHz (A* High)

BLOCK 2: 880 – 890 MHz (B)

BLOCK 4: 891.5 – 894 MHz (B*)

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3.4 Cellular - Mobile Frequency Blocks



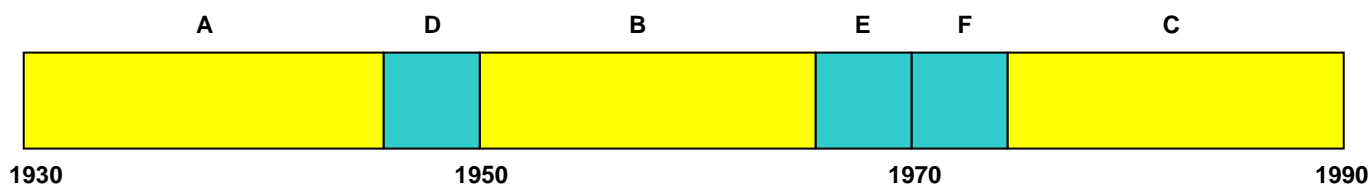
BLOCK 1: 824 – 835 MHz (A* Low + A)

BLOCK 3: 845 – 846.5 MHz (A* High)

BLOCK 2: 835 – 845 MHz (B)

BLOCK 4: 846.5 – 849 MHz (B*)

3.5 PCS - Base Frequency Blocks



BLOCK 1: 1930 – 1945 MHz (A)

BLOCK 4: 1965 – 1970 MHz (E)

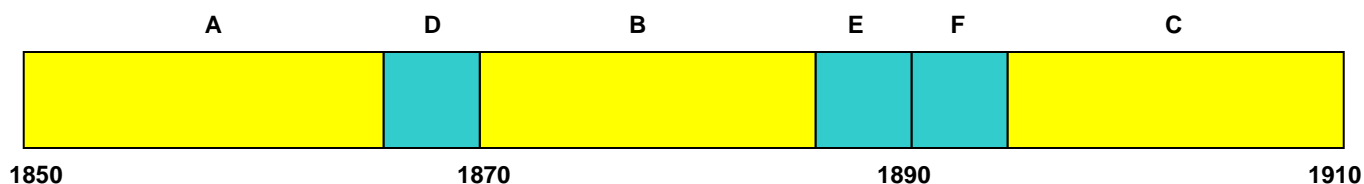
BLOCK 2: 1945 – 1950 MHz (D)

BLOCK 5: 1970 – 1975 MHz (F)

BLOCK 3: 1950 – 1965 MHz (B)

BLOCK 6: 1975 – 1990 MHz (C)

3.6 PCS - Mobile Frequency Blocks



BLOCK 1: 1850 – 1865 MHz (A)

BLOCK 4: 1885 – 1890 MHz (E)

BLOCK 2: 1865 – 1870 MHz (D)

BLOCK 5: 1890 – 1895 MHz (F)



BLOCK 3: 1870 – 1885 MHz (B)

BLOCK 6: 1895 – 1910 MHz (C)

3.7 Spurious and Harmonic Emissions at Antenna Terminal

§2.1051, 22.917(a), 24.238(a)

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.

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3.8 Radiated Spurious and Harmonic Emissions

§2.1053, 22.917(a), 24.238(a)

Spurious and harmonic radiated emissions are measured outdoors at our 3-meter test range. The equipment under test is placed on a wooden turntable 3-meters from the receive antenna. The receive antenna height and turntable rotations were adjusted for the highest reading on the receive spectrum analyzer. This level is then measured with a broadband average power meter. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive average power meter reading. This spurious level is recorded with the power meter. For readings above 1 GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

3.9 Peak-Average Ratio

§24.232(d)

A peak to average ratio measurement is performed at the conducted port of the EUT. For CDMA and signals, 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. For GSM signals, an average and a peak trace are used on a spectrum analyzer to determine the largest deviation between the average and the peak power of the EUT in a bandwidth greater than the emission bandwidth.

3.10 Frequency Stability / Temperature Variation

§2.1055, 22.355, 24.235



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 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.

Specification – The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

Time Period and Procedure:

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 one minute 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.



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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
-	263-10dB	(DC-18GHz) 10 dB Attenuator	N/A		N/A	N/A
-	No.165	(30MHz - 1000MHz) RG58 Coax Cable	N/A		N/A	N/A
-	No.166	(1000-26500MHz) Microwave RF Cable	N/A		N/A	N/A
-	No.167	(100kHz - 100MHz) RG58 Coax Cable	N/A		N/A	N/A
Agilent	11713A	Attenuation/Switch Driver	12/4/2008	Annual	12/4/2009	3439A02645
Agilent	8449B	(1-26.5GHz) Pre-Amplifier	12/4/2008	Annual	12/4/2009	3008A00985
Agilent	8495A	(0-70dB) DC-4GHz Attenuator	N/A		N/A	N/A
Agilent	85650A	Quasi-Peak Adapter	12/4/2008	Annual	12/4/2009	3303A01872
Agilent	8566B	(100Hz-22GHz) Spectrum Analyzer	12/5/2008	Annual	12/5/2009	3638A08713
Agilent	8591A	(9kHz-1.8GHz) Spectrum Analyzer	8/19/2008	Annual	8/19/2009	3144A02458
Agilent	8648D	(9kHz-4GHz) Signal Generator	10/11/2007	Biennial	10/11/2009	3613A00315
Agilent	8901A	Modulation Analyzer	8/18/2008	Annual	8/18/2009	2432A03467
Agilent	8903B	Audio Analyzer	8/18/2008	Annual	8/18/2009	3011A09025
Agilent	E4432B	ESG-D Series Signal Generator	8/18/2008	Annual	8/18/2009	US40053896
Agilent	E4448A	PSA (3Hz-50GHz) Spectrum Analyzer	12/5/2008	Annual	12/5/2009	US42510244
Agilent	E8267C	Vector Signal Generator	11/15/2007	Biennial	11/15/2009	US42340152
Agilent	N9020A	MXA Signal Analyzer	9/17/2008	Annual	9/17/2009	US46470561
Compliance Design	Roberts	Dipole Set	11/9/2007	Biennial	11/9/2009	146
Compliance Design	Roberts	Dipole Set	11/9/2007	Biennial	11/9/2009	147
Emco	3115	Horn Antenna (1-18GHz)	9/24/2007	Biennial	9/24/2009	9704-5182
Emco	3115	Horn Antenna (1-18GHz)	10/4/2007	Biennial	10/4/2009	9205-3874
Espec	ESX-2CA	Environmental Chamber	4/12/2008	Annual	4/12/2009	17620
Gigatronics	80701A	(0.05-18GHz) Power Sensor	8/18/2008	Annual	8/18/2009	1833460
Gigatronics	8651A	Universal Power Meter	8/18/2008	Annual	8/18/2009	1835299
Gigatronics	8651A	Universal Power Meter	8/18/2008	Annual	8/18/2009	8650319
K & L	11SH10	Band Pass Filter	N/A	Annual	N/A	1300/4000
K & L	11SH10	Band Pass Filter	N/A	Annual	N/A	4000/12000
MiniCircuits	VHF-1300+	High Pass Filter	N/A		N/A	30716
MiniCircuits	VHF-3100+	High Pass Filter	N/A		N/A	30721
Pasternack	PE2208-6	Bidirectional Coupler	N/A		N/A	N/A
Schwarzbeck	UHA9105	Dipole Antenna (400 - 1GHz) Rx	6/19/2007	Biennial	6/18/2009	9105-2404
Schwarzbeck	UHA9105	Dipole Antenna (400 - 1GHz) Tx	6/19/2007	Biennial	6/18/2009	9105-2403
Solar Electronics	8012-50-R-24-BNC	LISN	11/8/2007	Biennial	11/8/2009	310233
Sunol	DRH-118	Horn Antenna (1 - 18GHz)	5/9/2007	Biennial	5/9/2009	A050307

Table 4-1. Test Equipment

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5.0 SAMPLE CALCULATIONS

GSM Emission Designator

Emission Designator = 250KGXW

GSM BW = 250 kHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

CDMA Emission Designator

Emission Designator = 1M25F9W

CDMA BW = 1.25 MHz

F = Frequency Modulation



9 = Composite Digital Info

W = Combination (Audio/Data) (Measured at the 99.75% power bandwidth)

Spurious Radiated Emission - PCS Band

Example: GSM Channel 512 PCS Mode 2nd Harmonic (3700.40 MHz)

The average receive power meter 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 power meter. 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 power meter reading of -30.9 dBm yielding -24.80 dBm. The fundamental EIRP was 25.501 dBm so this harmonic was 25.501 dBm - (-24.80) = 50.3 dBc.

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6.0 TEST RESULTS

6.1 Summary

Company Name: Digital Receiver Technology, Inc
 FCC ID: TBD
 FCC Classification: PCS Licensed Transmitter (PCB)
 Mode(s): GSM/CDMA

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
TRANSMITTER MODE (TX)					
2.1049, 22.917(a), 24.238(a)	Occupied Bandwidth	N/A	CONDUCTED	PASS	Section 6.7
2.1051, 22.917(a), 24.238(a)	Band Edge / Conducted Spurious Emissions	$< 43 + \log_{10}(P[\text{Watts}])$ at Band Edge and for all out-of-band emissions		PASS	Section 6.7
24.232(d)	Peak-Average Ratio	$< 13 \text{ dB}$		PASS	Section 6.7
2.1046	Transmitter Conducted Output Power	N/A		PASS	MPE Report
2.1053, 22.917(a), 24.238(a)	Undesirable Emissions	$< 43 + \log_{10}(P[\text{Watts}])$ for all out-of-band emissions	RADIATED	PASS	Sections 6.3, 6.4, 6.5, 6.6
2.1055, 22.355, 24.235	Frequency Stability	$< 2.5 \text{ ppm}$		PASS	Sections 6.7, 6.8, 6.9, 6.10

Table 6-1. Summary of Test Results

FCC ID: TBD	 FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION) 		Reviewed by: Quality Manager
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6.2 Conducted Output Power

§2.1046

The device was tested for both GSM and CDMA modes of operation. The GSM and CDMA conducted output powers were measured at the TEX module output.

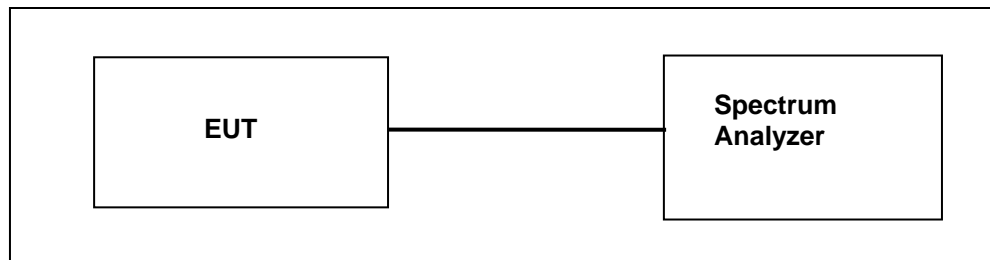




Figure 6-1: Test Setup Diagram

Band	Channel	GSM	
		Conducted Power	Conducted Power
		[dBm]	[mW]
Cellular	128	10.40	10.96
	190	9.36	8.63
	251	9.12	8.17
PCS	512	9.56	9.04
	660	9.06	8.05
	810	10.19	10.45

Table 6-2. Maximum Conducted Output Power Table for DRT1201B (GSM)

Band	Channel	CDMA	
		Conducted Power	Conducted Power
		[dBm]	[mW]
Cellular	1013	8.54	7.14
	384	7.72	5.92
	777	7.47	5.58
PCS	25	6.37	4.34
	600	5.62	3.65
	1175	6.45	4.42

Table 6-3. Maximum Conducted Output Power Table for DRT1201B (CDMA)

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6.3 Cellular GSM Radiated Measurements

§2.1053, 22.917(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 869.20 MHz
 CHANNEL: 128
 MODULATION SIGNAL: GSM (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
1738.40	-72.29	6.10	-66.18	H	-53.2
2607.60	-70.45	6.60	-63.85	H	-50.9
3476.80	-67.87	6.94	-60.93	H	-47.9
4346.00	-93.01	8.02	-84.99	H	-72.0
5215.20	-91.17	8.31	-82.87	H	-69.9

Table 6-4. Radiated Spurious Data (Cellular GSM Mode – Ch. 128)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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Cellular GSM Radiated Measurements (Cont'd)

§2.1053, 22.917(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 881.60 MHz
 CHANNEL: 190
 MODULATION SIGNAL: GSM (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
1763.20	-72.54	6.11	-66.43	H	-53.4
2644.80	-69.36	6.61	-62.75	H	-49.8
3526.40	-67.26	6.94	-60.32	H	-47.3
4408.00	-93.26	8.23	-85.03	H	-72.0
5289.60	-90.97	8.29	-82.68	H	-69.7

Table 6-5. Radiated Spurious Data (Cellular GSM Mode – Ch. 190)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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Cellular GSM Radiated Measurements (Cont'd)

§2.1053, 22.917(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 893.80 MHz
 CHANNEL: 251
 MODULATION SIGNAL: GSM (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
1787.60	-71.49	6.11	-65.38	H	-52.4
2681.40	-68.88	6.63	-62.25	H	-49.3
3575.20	-65.90	6.92	-58.98	H	-46.0
4469.00	-93.50	8.44	-85.06	H	-72.1
5362.80	-90.78	8.28	-82.50	H	-69.5

Table 6-6. Radiated Spurious Data (Cellular GSM Mode – Ch. 251)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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6.4 Cellular CDMA Radiated Measurements

§2.1053, 22.917(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 869.70 MHz
 CHANNEL: 1013
 MODULATION SIGNAL: CDMA (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
1739.40	-73.11	6.32	-66.79	H	-53.8
2609.10	-70.72	7.69	-63.03	H	-50.0
3478.80	-68.83	7.83	-61.00	H	-48.0
4348.50	-65.82	7.84	-57.98	H	-45.0
5218.20	-66.28	8.62	-57.66	H	-44.7

Table 6-7. Radiated Spurious Data (Cellular CDMA Mode – Ch. 1013)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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Cellular CDMA Radiated Measurements (Cont'd)

§2.1053, 22.917(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 881.52 MHz
 CHANNEL: 384
 MODULATION SIGNAL: CDMA (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
1763.04	-73.46	6.33	-67.14	H	-54.1
2644.56	-70.59	7.75	-62.84	H	-49.8
3526.08	-68.82	7.86	-60.96	H	-48.0
4407.60	-65.45	8.07	-57.38	H	-44.4
5289.12	-65.55	8.55	-57.00	H	-44.0

Table 6-8. Radiated Spurious Data (Cellular CDMA Mode – Ch. 384)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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Cellular CDMA Radiated Measurements (Cont'd)

§2.1053, 22.917(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 893.31 MHz
 CHANNEL: 777
 MODULATION SIGNAL: CDMA (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
1786.62	-72.26	6.34	-65.93	H	-52.9
2679.93	-69.21	7.74	-61.47	H	-48.5
3573.24	-68.22	7.89	-60.33	H	-47.3
4466.55	-65.74	8.30	-57.44	H	-44.4
5359.86	-65.41	8.53	-56.88	H	-43.9

Table 6-9. Radiated Spurious Data (Cellular CDMA Mode – Ch. 4233)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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6.5 PCS GSM Radiated Measurements

§2.1053, 24.238(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 1930.20 MHz
 CHANNEL: 512
 MODULATION SIGNAL: GSM (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
3860.40	-62.80	8.95	-53.85	H	-40.8
5790.60	-59.74	10.40	-49.34	H	-36.3
7720.80	-58.47	10.78	-47.69	H	-34.7
9651.00	-56.88	11.72	-45.16	H	-32.2
11581.20	-85.14	12.47	-72.67	H	-59.7

Table 6-10. Radiated Spurious Data (PCS GSM Mode – Ch. 512)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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PCS GSM Radiated Measurements (Cont'd)

§2.1053, 24.238(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 1959.80 MHz
 CHANNEL: 661
 MODULATION SIGNAL: GSM (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
3919.60	-63.76	8.93	-54.83	H	-41.8
5879.40	-55.69	10.40	-45.29	H	-32.3
7839.20	-58.00	10.87	-47.13	H	-34.1
9799.00	-56.93	11.84	-45.08	H	-32.1
11758.80	-84.29	12.18	-72.11	H	-59.1

Table 6-11. Radiated Spurious Data (PCS GSM Mode – Ch. 661)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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PCS GSM Radiated Measurements (Cont'd)

§2.1053, 24.238(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 1989.80 MHz
 CHANNEL: 810
 MODULATION SIGNAL: GSM (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
3979.60	-64.08	8.91	-55.17	H	-42.2
5969.40	-60.65	10.40	-50.25	H	-37.2
7959.20	-57.88	10.97	-46.92	H	-33.9
9949.00	-54.97	11.96	-43.01	H	-30.0
11938.80	-83.45	11.90	-71.56	H	-58.6

Table 6-12. Radiated Spurious Data (PCS GSM Mode – Ch. 810)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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6.6 PCS CDMA Radiated Measurements

§2.1053, 24.238(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 1931.25 MHz
 CHANNEL: 25
 MODULATION SIGNAL: CDMA (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
3862.50	-67.39	9.85	-57.54	H	-44.5
5793.75	-62.50	10.72	-51.78	H	-38.8
7725.00	-61.54	11.61	-49.93	H	-36.9
9656.25	-55.61	11.36	-44.25	H	-31.2
11587.50	-55.86	12.73	-43.13	H	-30.1

Table 6-13. Radiated Spurious Data (PCS CDMA Mode – Ch. 25)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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PCS CDMA Radiated Measurements (Cont'd)

§2.1053, 24.238(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 1960.00 MHz
 CHANNEL: 600
 MODULATION SIGNAL: CDMA (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
3920.00	-66.93	9.78	-57.15	H	-44.1
5880.00	-62.20	10.92	-51.28	H	-38.3
7840.00	-60.40	11.66	-48.74	H	-35.7
9800.00	-56.37	11.56	-44.80	H	-31.8
11760.00	-54.83	12.63	-42.20	H	-29.2

Table 6-14. Radiated Spurious Data (PCS CDMA Mode – Ch. 600)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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PCS CDMA Radiated Measurements (Cont'd)

§2.1053, 24.238(a)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 1988.75 MHz
 CHANNEL: 1175
 MODULATION SIGNAL: CDMA (Internal)
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm



FREQUENCY (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	MARGIN (dB)
3977.50	-67.12	9.71	-57.41	H	-44.4
5966.25	-63.40	11.11	-52.29	H	-39.3
7955.00	-60.38	11.45	-48.93	H	-35.9
9943.75	-55.48	11.73	-43.75	H	-30.8
11932.50	-54.41	12.53	-41.88	H	-28.9

Table 6-15. Radiated Spurious Data (PCS CDMA Mode – Ch. 1175)

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. Final power measurements are made with a broadband average power meter. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. This spurious level is recorded using the power meter. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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6.7 Cellular GSM Frequency Stability Measurements

§2.1055, 22.355

OPERATING FREQUENCY: 881600000.00 Hz



CHANNEL: 190

REFERENCE VOLTAGE: 120 Vac

DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

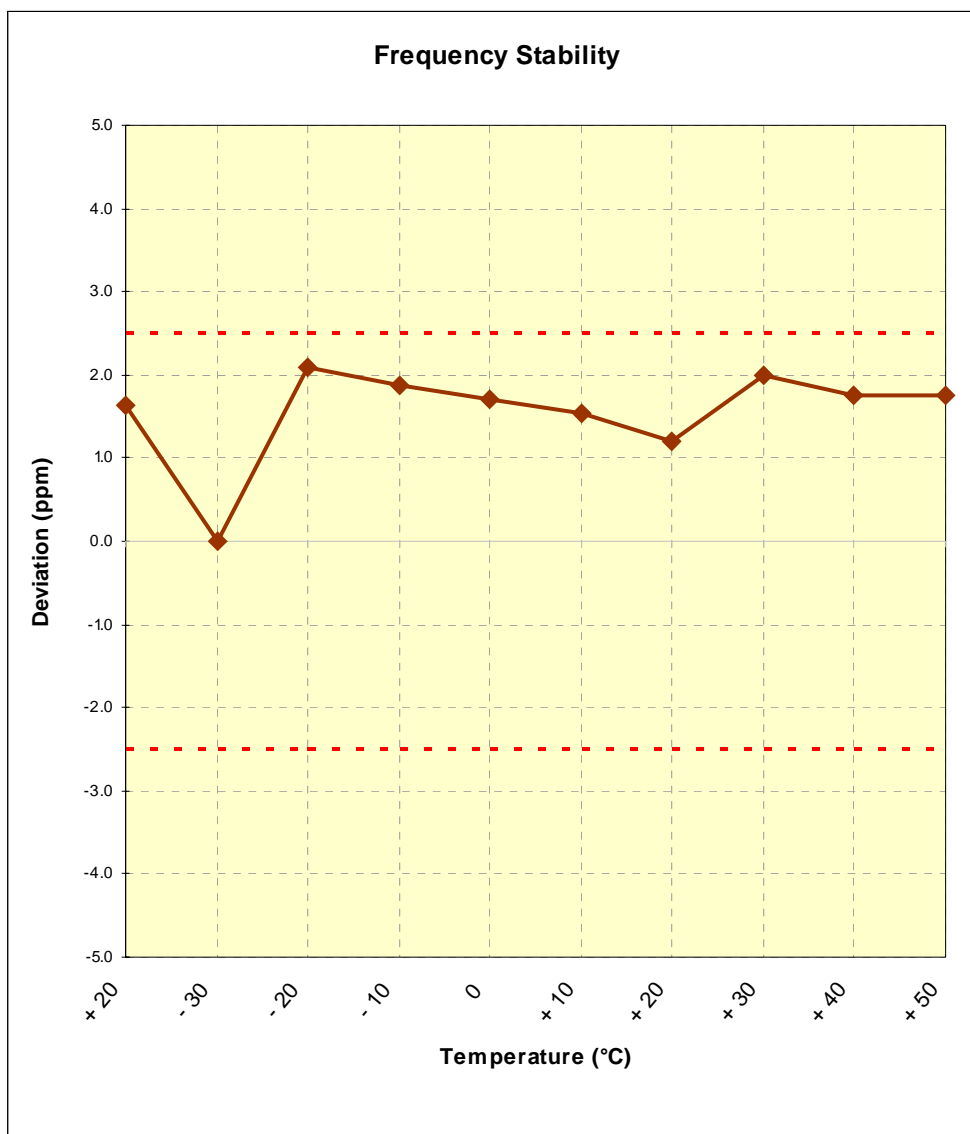
VOLTAGE (%)	POWER (Vac)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	120.00	+ 20 (Ref)	881601450.00	1450	0.000164
100 %		- 30	NoTx	N/A	N/A
100 %		- 20	881601851.00	1851	0.000210
100 %		- 10	881601651.00	1651	0.000187
100 %		0	881601500.00	1500	0.000170
100 %		+ 10	881601350.00	1350	0.000153
100 %		+ 20	881601052.00	1052	0.000119
100 %		+ 30	881601752.00	1752	0.000199
100 %		+ 40	881601552.00	1552	0.000176
100 %		+ 50	881601552.00	1552	0.000176
115 %	138.00	+ 20	881600994.00	994	0.000113
85 %	102.00	+ 20	881601087.00	1087	0.000123

Table 6-16. Frequency Stability Data (Cellular GSM Mode – Ch. 190)

FCC ID: TBD	 FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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Cellular GSM Frequency Stability Measurements (Cont'd)

§2.1055, 22.355



Plot 6-1. Frequency Stability Graph (Cellular GSM Mode – Ch. 190)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
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6.8 Cellular CDMA Frequency Stability Measurements

§2.1055, 22.355

OPERATING FREQUENCY: 881520000.0 Hz



CHANNEL: 384

REFERENCE VOLTAGE: 120 Vac

DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

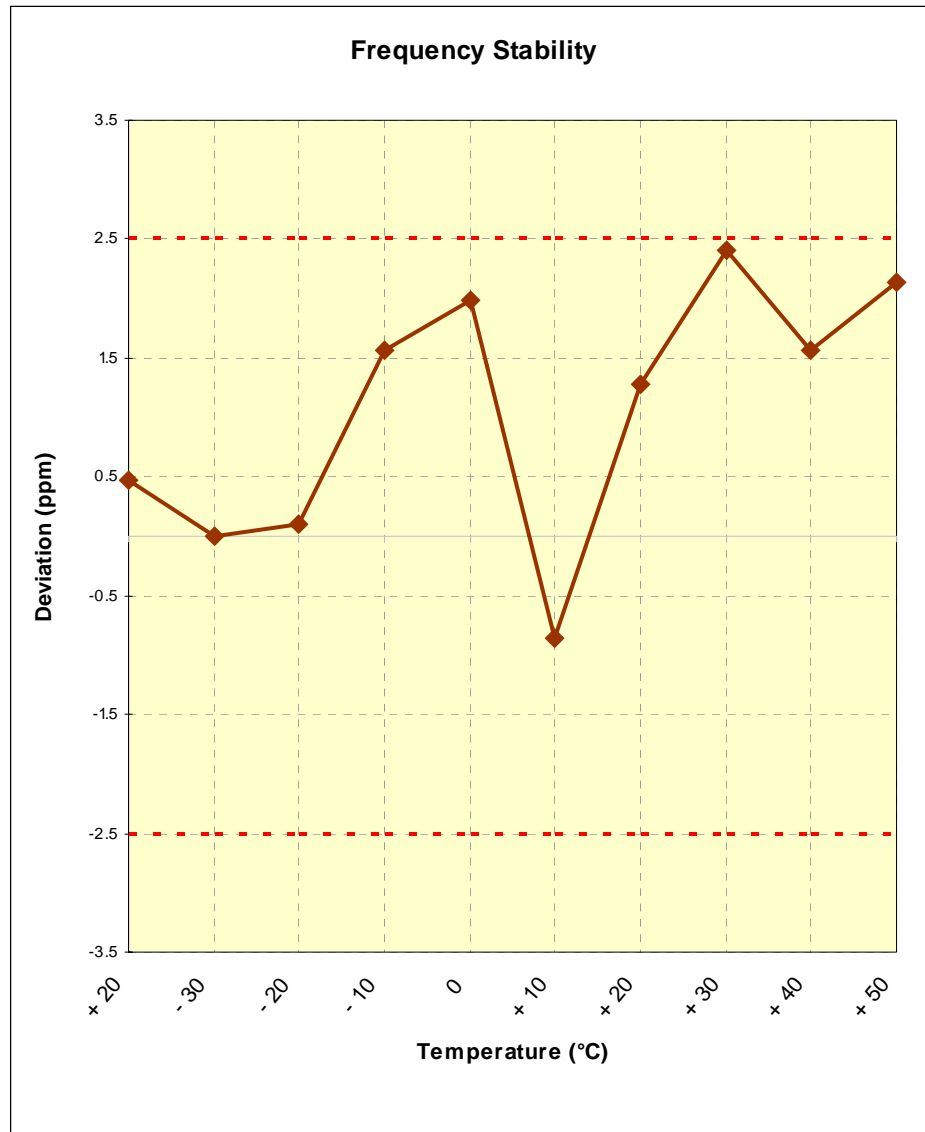
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	120.00	+ 20 (Ref)	881520415.00	415	0.000047
100 %		- 30	To Tx	N/A	N/A
100 %		- 20	881520095.00	95	0.000011
100 %		- 10	881521374.00	1,374	0.000156
100 %		0	881521750.00	1,750	0.000199
100 %		+ 10	881519250.00	-750	-0.000085
100 %		+ 20	881521128.00	1,128	0.000128
100 %		+ 30	881522127.00	2,127	0.000241
100 %		+ 40	881521380.00	1,380	0.000157
100 %		+ 50	881521883.00	1,883	0.000214
115 %		+ 20	881521575.00	1,575	0.000179
BATT. ENDPOINT	102.00	+ 20	881521681.00	1,681	0.000191

Table 6-17. Frequency Stability Data (Cellular CDMA Mode – Ch. 384)

FCC ID: TBD		FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station	Page 27 of 83	

Cellular CDMA Frequency Stability Measurements (Cont'd)

§2.1055, 22.355



Plot 6-2. Frequency Stability Graph (Cellular CDMA Mode – Ch. 384)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 28 of 83

6.9 PCS GSM Frequency Stability Measurements

§2.1055, 24.235

OPERATING FREQUENCY: 1,959,800,000 Hz



CHANNEL: 661

REFERENCE VOLTAGE: 120 Vac

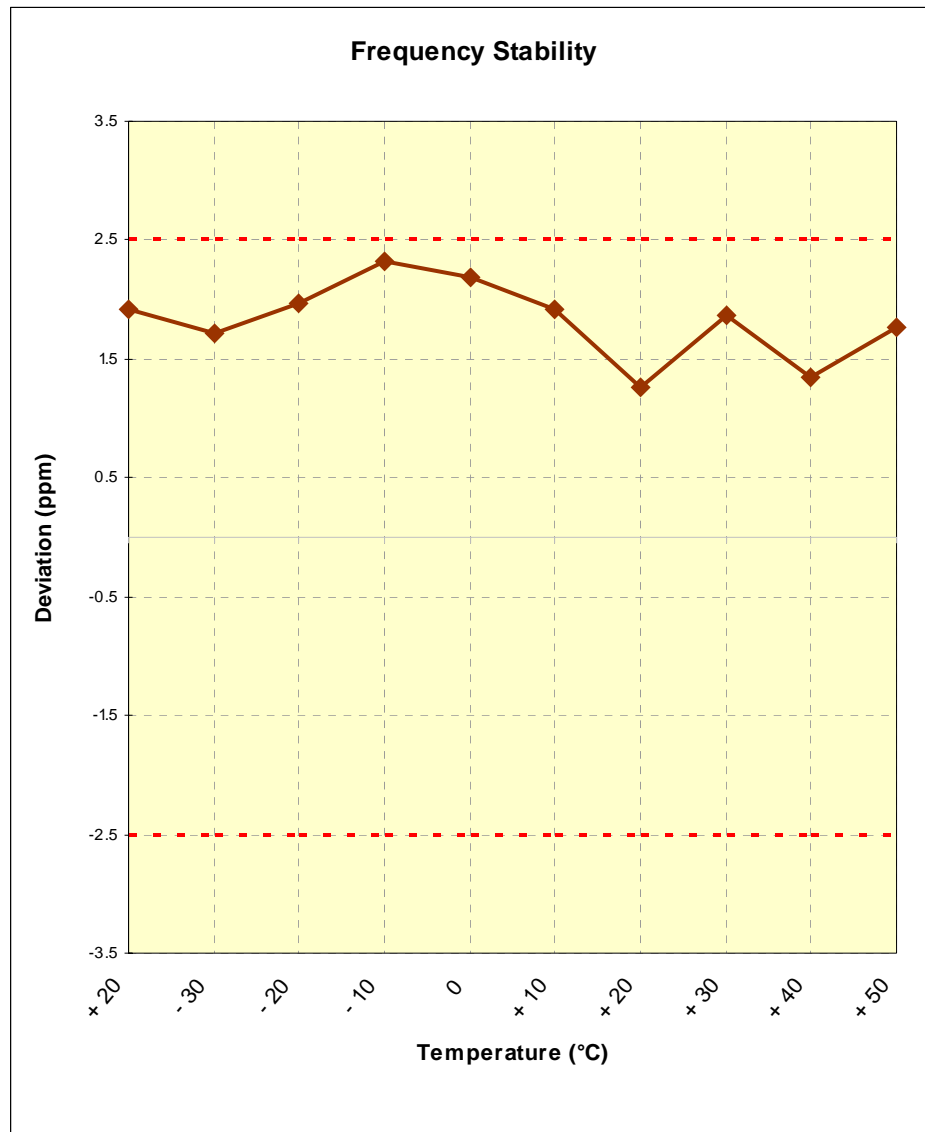
DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (Vac)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	120.00	+ 20 (Ref)	1959803750.00	3,750	0.000191
100 %		- 30	1959803351.00	3,351	0.000171
100 %		- 20	1959803851.00	3,851	0.000196
100 %		- 10	1959804552.00	4,552	0.000232
100 %		0	1959804298.00	4,298	0.000219
100 %		+ 10	1959803750.00	3,750	0.000191
100 %		+ 20	1959802476.00	2,476	0.000126
100 %		+ 30	1959803652.00	3,652	0.000186
100 %		+ 40	1959802652.00	2,652	0.000135
100 %		+ 50	1959803452.00	3,452	0.000176
115 %	138.00	+ 20	1959802452.00	2,452	0.000125
85 %	102.00	+ 20	1959802282.00	2,282	0.000116



Table 6-18. Frequency Stability Data (PCS GSM Mode – Ch. 661)

FCC ID: TBD	 FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION) 			Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 29 of 83

PCS GSM Frequency Stability Measurements (Cont'd)
§2.1055, 24.235



Plot 6-3. Frequency Stability Graph (PCS GSM Mode – Ch. 661)

FCC ID: TBD	 FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station	Page 30 of 83

6.10 PCS CDMA Frequency Stability Measurements

§2.1055, 24.235

OPERATING FREQUENCY: 1,960,000,000 Hz



CHANNEL: 600

REFERENCE VOLTAGE: 120 Vac

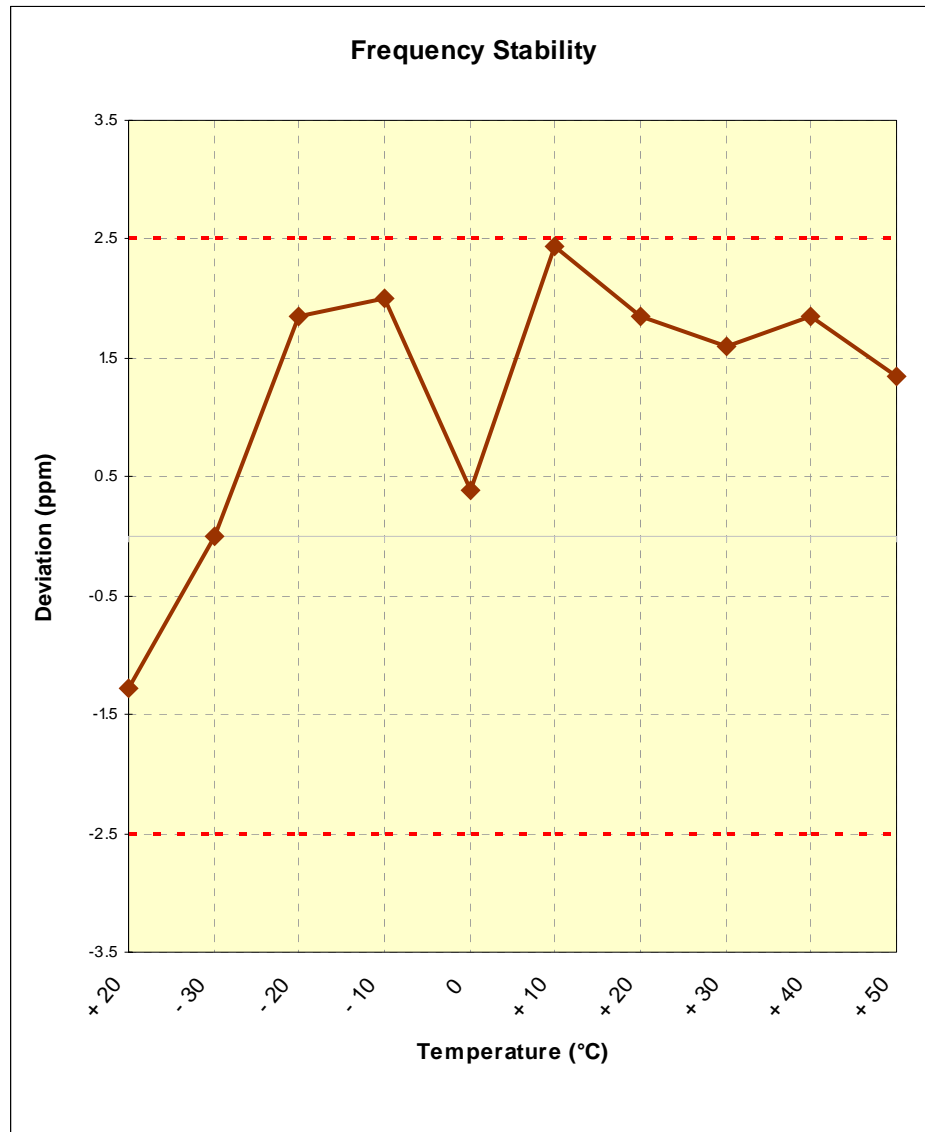
DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (Vac)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	120.00	+ 20 (Ref)	1959997500.00	-2,500	-0.000128
100 %		- 30	NoTx	N/A	N/A
100 %		- 20	1960003627.00	3,627	0.000185
100 %		- 10	1960003927.00	3,927	0.000200
100 %		0	1960000745.00	745	0.000038
100 %		+ 10	1960004770.00	4,770	0.000243
100 %		+ 20	1960003629.00	3,629	0.000185
100 %		+ 30	1960003128.00	3,128	0.000160
100 %		+ 40	1960003630.00	3,630	0.000185
100 %		+ 50	1960002630.00	2,630	0.000134
115 %	138.00	+ 20	1,960,002,641	2,641	0.000135
85 %	102.00	+ 20	1,959,998,956	-1,044	-0.000053



Table 6-19. Frequency Stability Data (PCS CDMA Mode – Ch. 600)

FCC ID: TBD	 FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station	Page 31 of 83

PCS WCDMA Frequency Stability Measurements (Cont'd)
§2.1055, 24.235

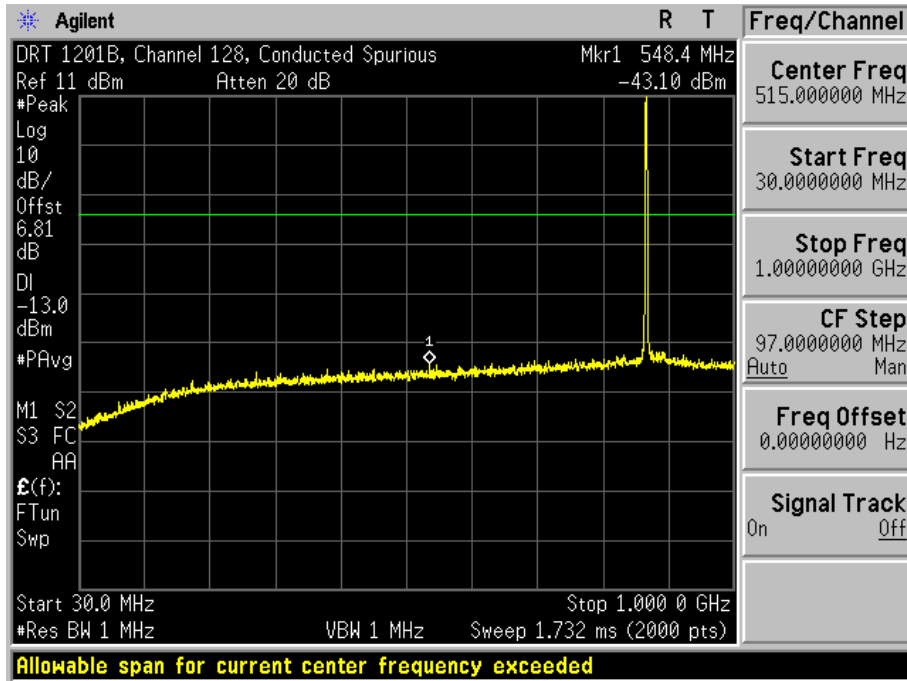


Plot 6-4. Frequency Stability Graph (PCS CDMA Mode – Ch. 600)

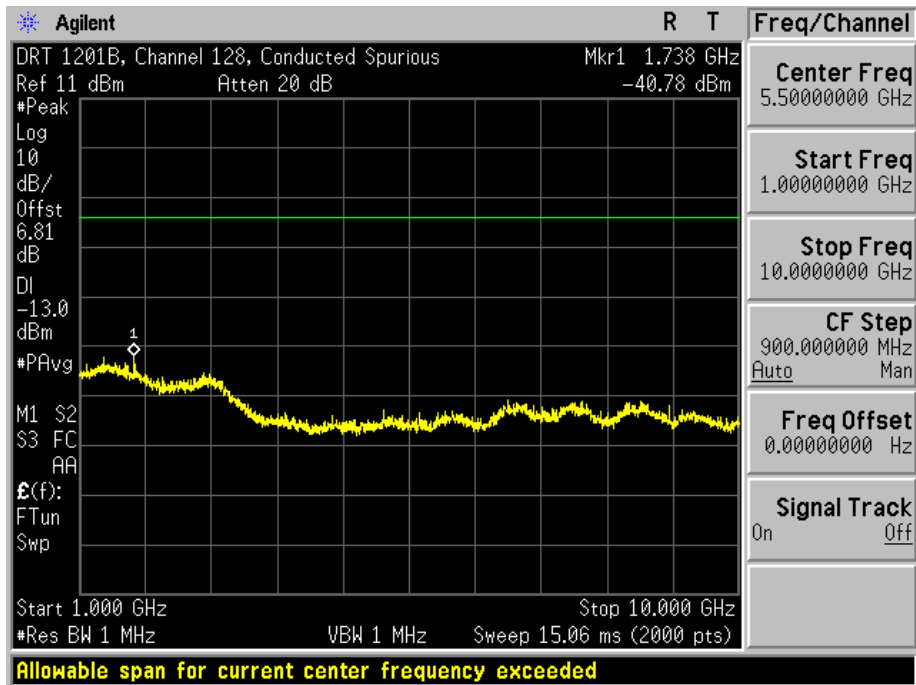
FCC ID: TBD	 FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station	Page 32 of 83

7.0 PLOTS OF EMISSIONS

7.1 Cellular GSM

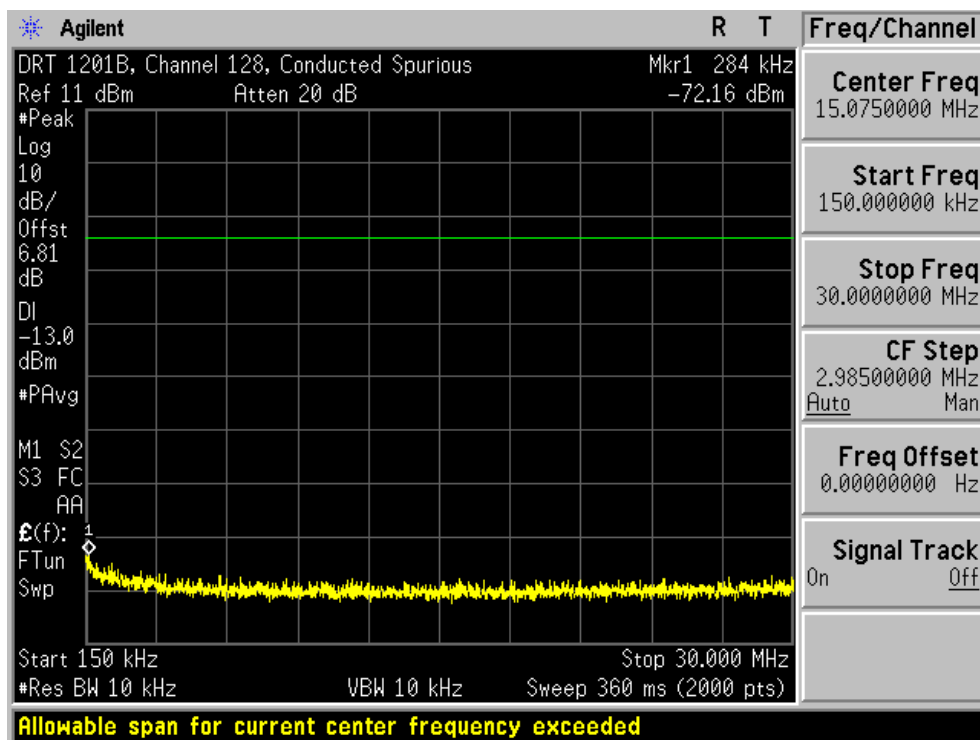


Plot 7-1. Conducted Spurious Plot (Cellular GSM Mode – Ch. 128)

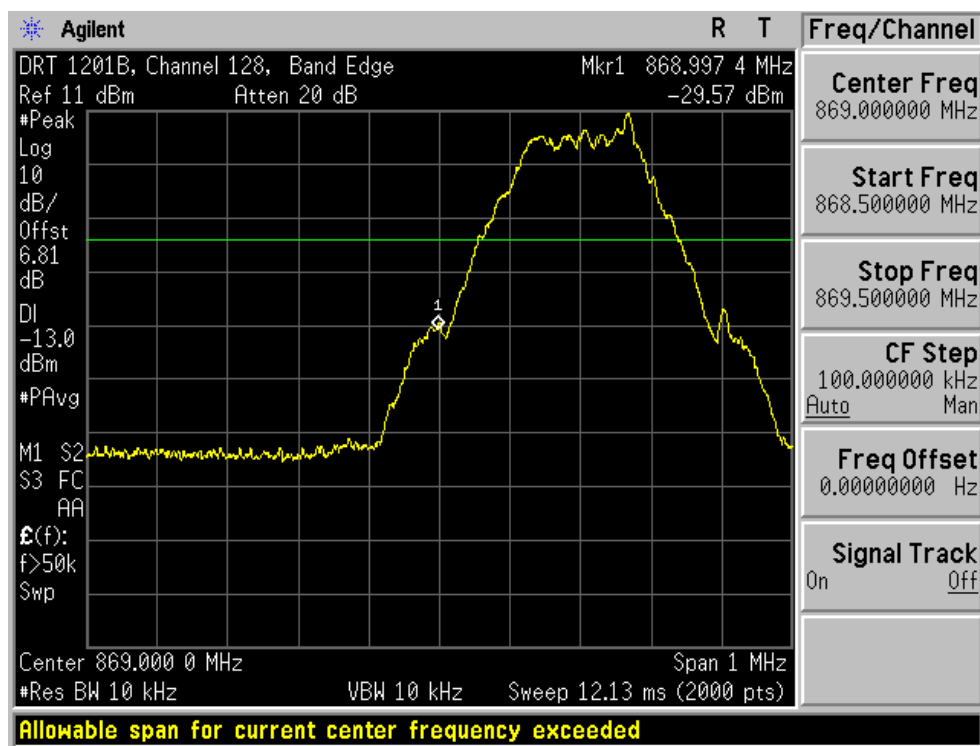


Plot 7-2. Conducted Spurious Plot (Cellular GSM Mode – Ch. 128)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 33 of 83

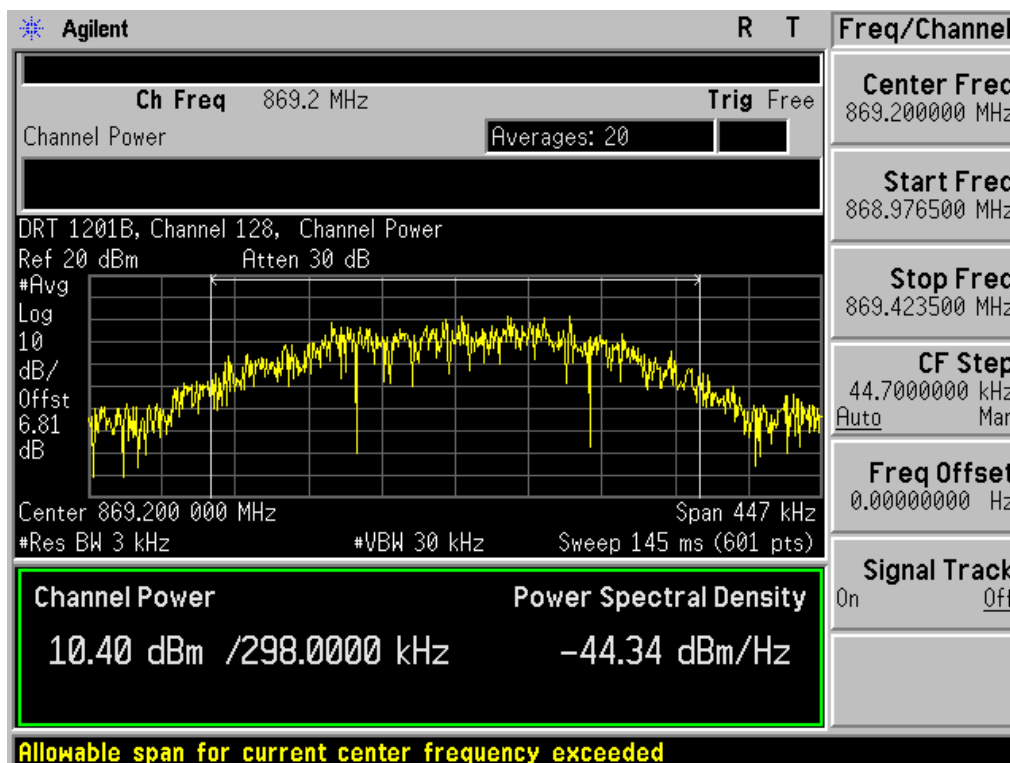


Plot 7-3. Conducted Spurious Plot (Cellular GSM Mode – Ch. 128)

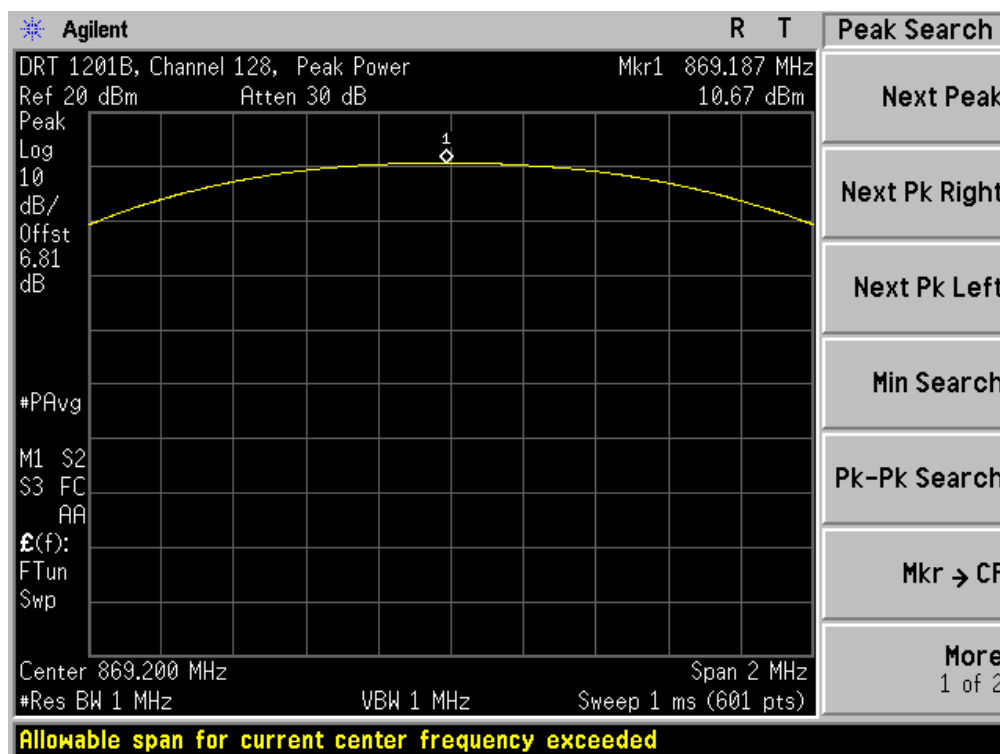


Plot 7-4. Band Edge Plot (Cellular GSM Mode – Ch. 128)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 34 of 83

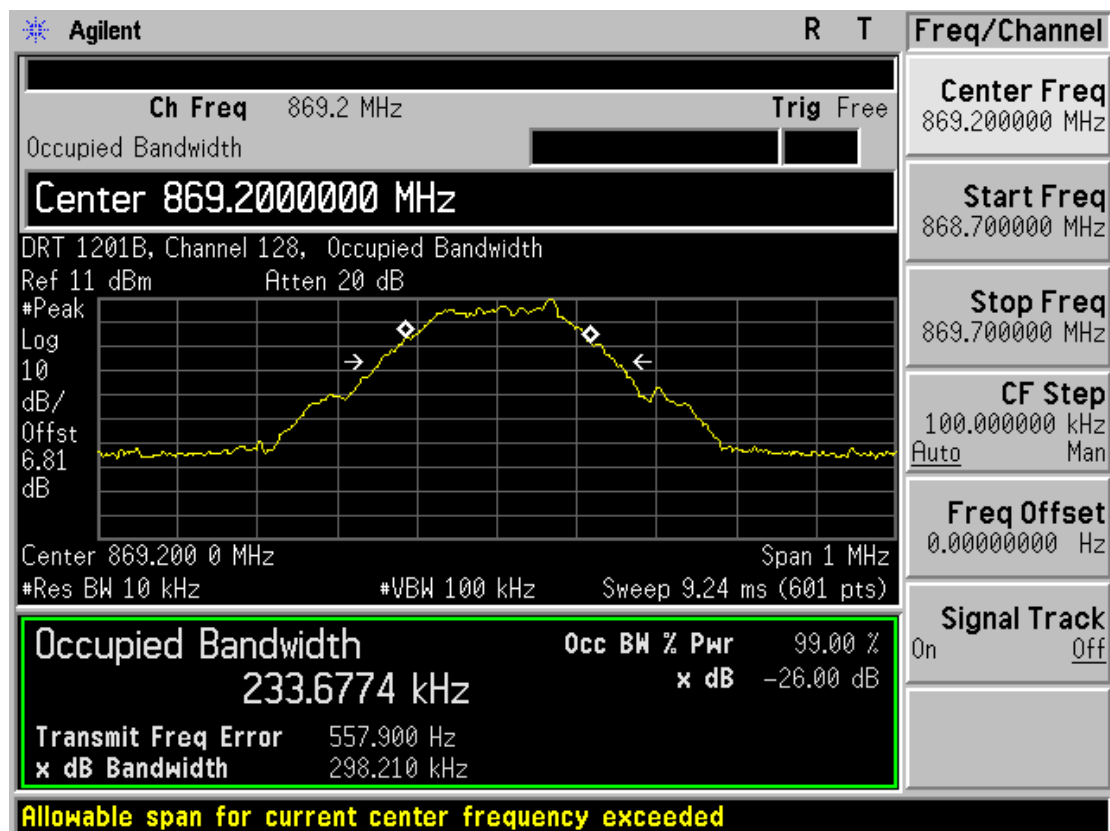


Plot 7-5. Channel Power (Cellular GSM Mode – Ch. 128)



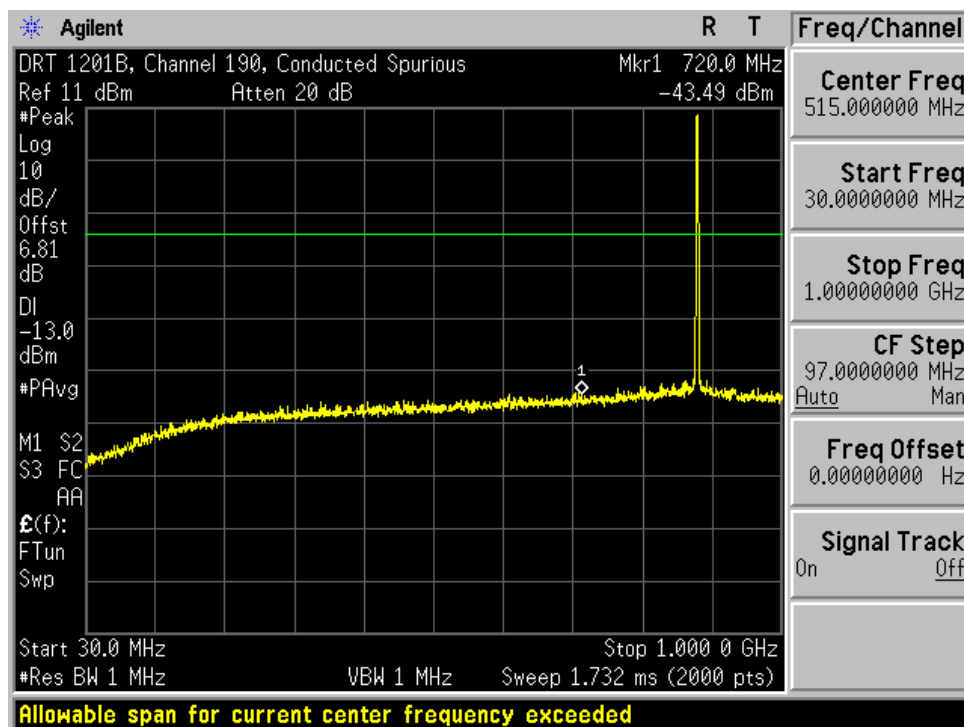
Plot 7-6. Output Power (Cellular GSM Mode – Ch. 128)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 35 of 83

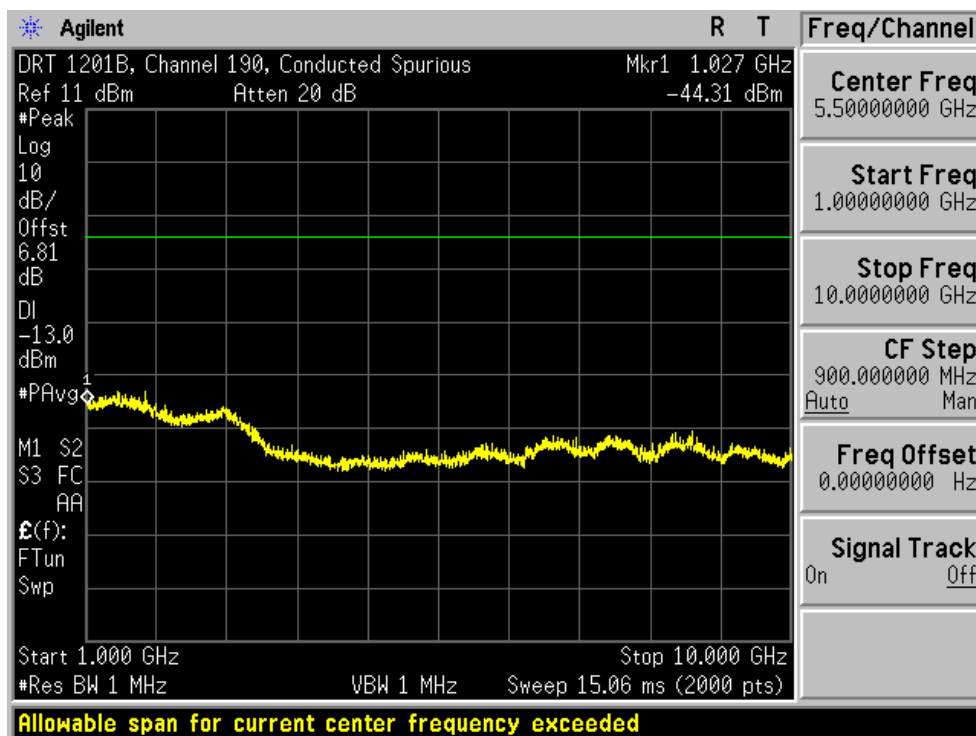


Plot 7-7. Occupied Bandwidth Plot (Cellular GSM Mode – Ch. 128)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 36 of 83

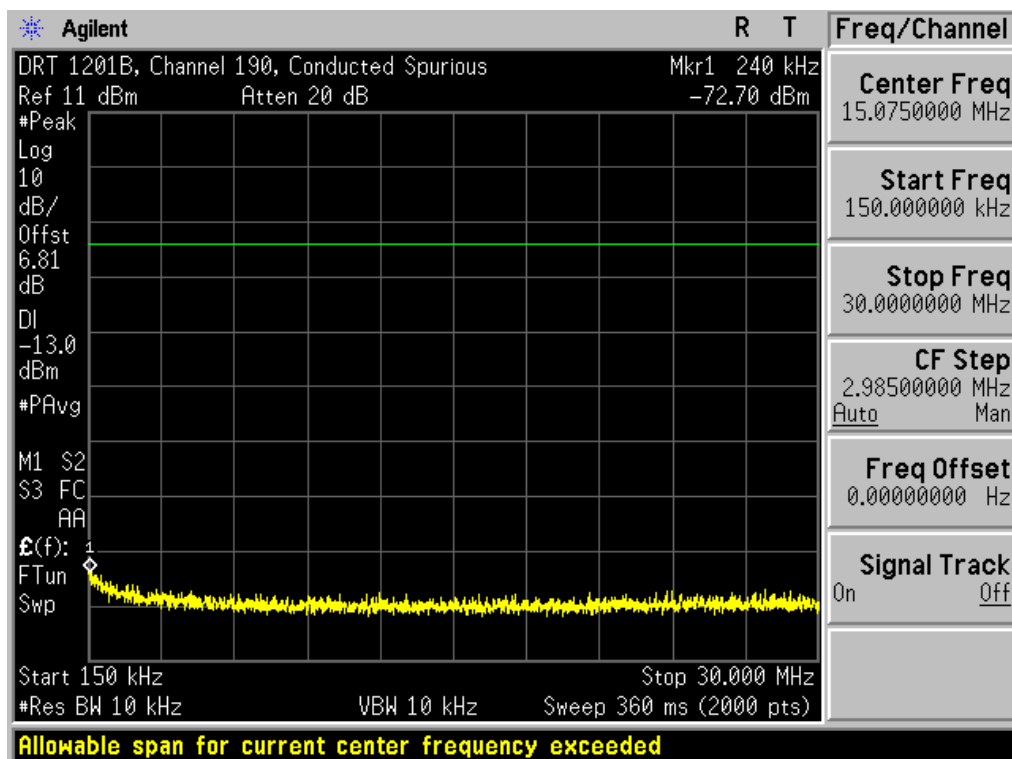


Plot 7-8. Conducted Spurious (Cellular GSM Mode – Ch. 190)

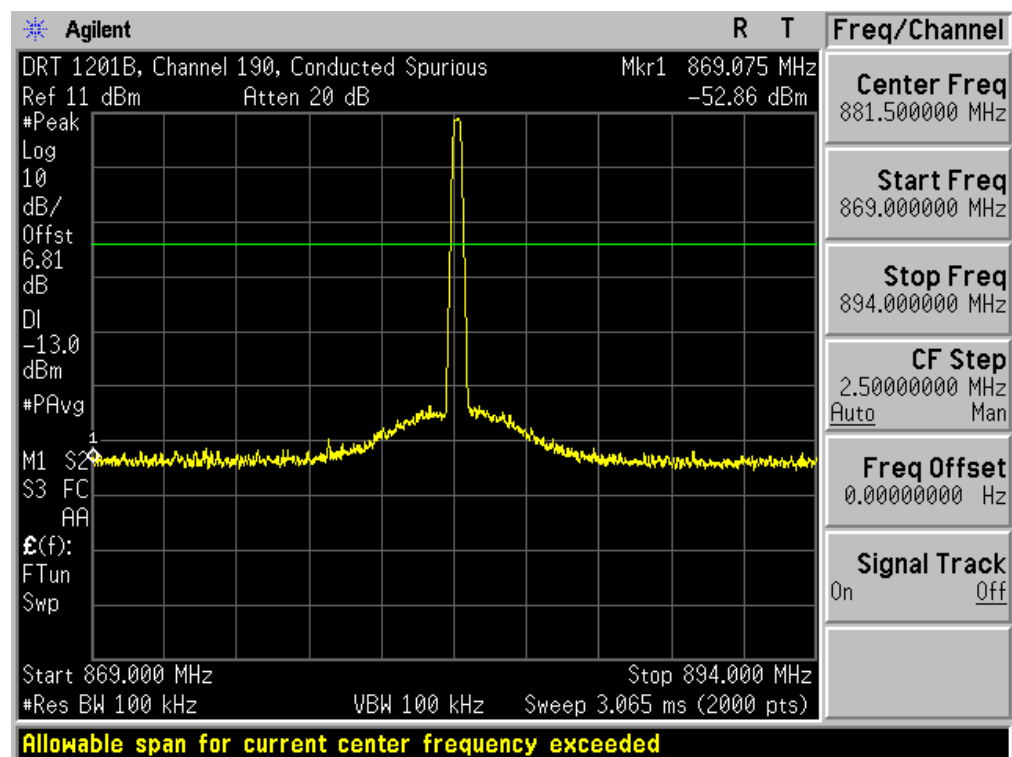


Plot 7-9. Conducted Spurious Plot (Cellular GSM Mode – Ch. 190)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 37 of 83

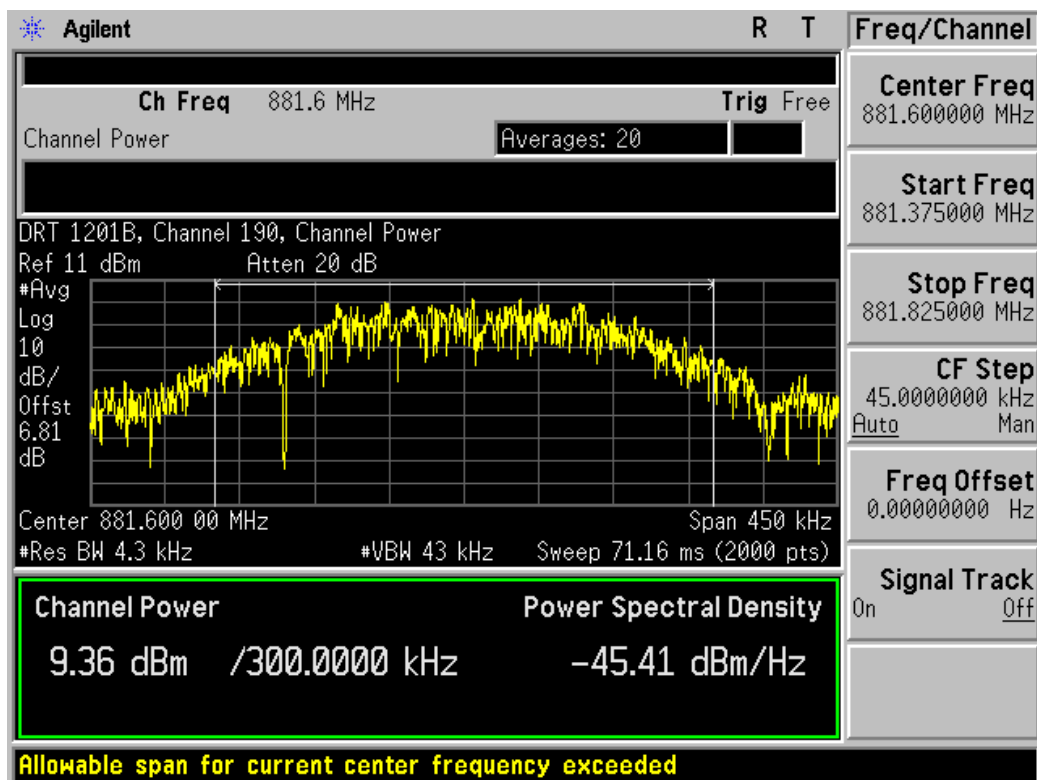


Plot 7-10. Conducted Spurious Plot (Cellular GSM Mode – Ch. 190)

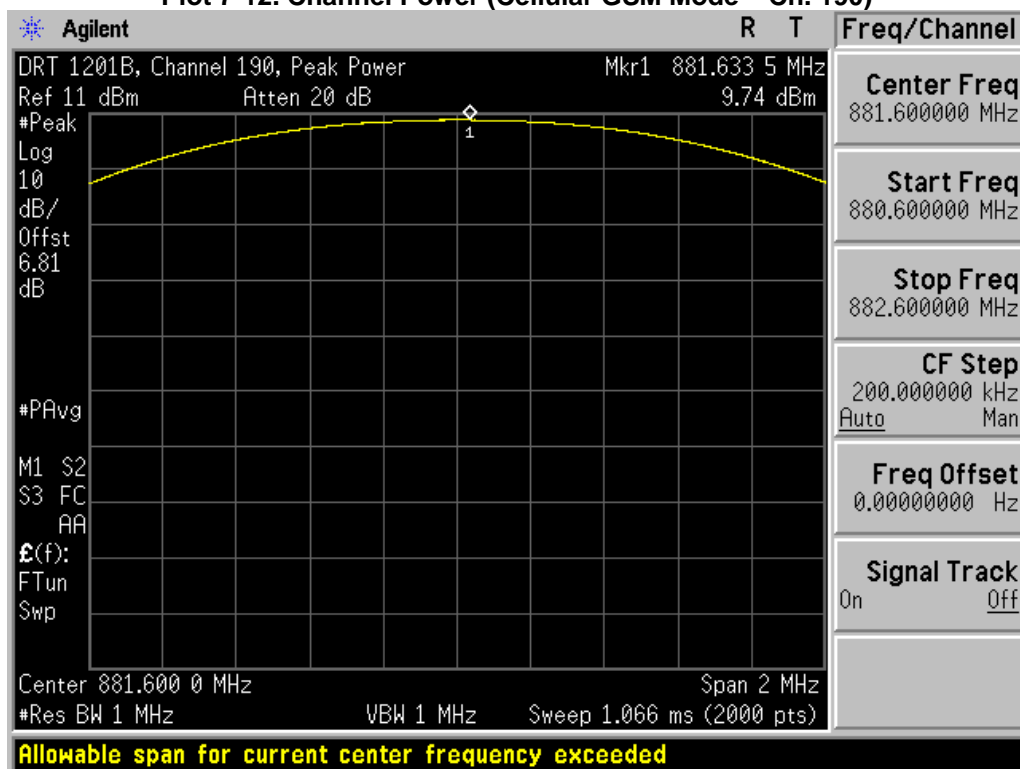


Plot 7-11. Band Edge Plot (Cellular GSM Mode – Ch. 190)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 38 of 83

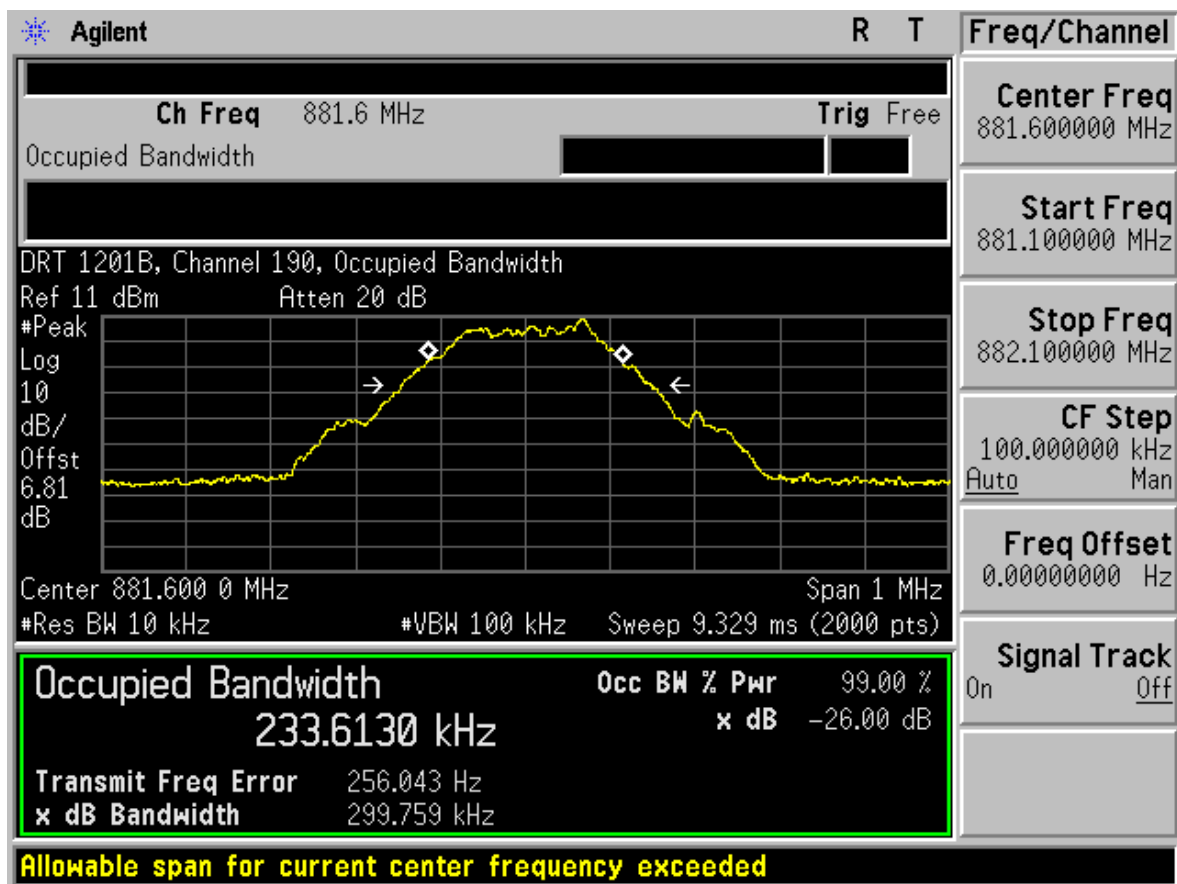


Plot 7-12. Channel Power (Cellular GSM Mode – Ch. 190)



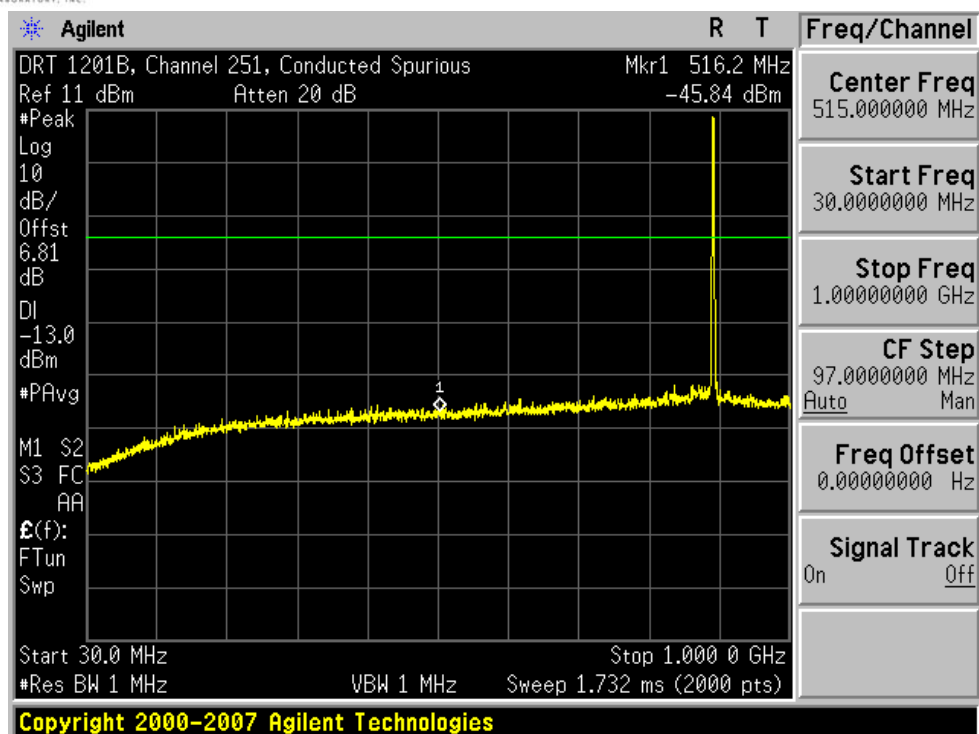
Plot 7-13. Output Power (Cellular GSM Mode – Ch. 190)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 39 of 83

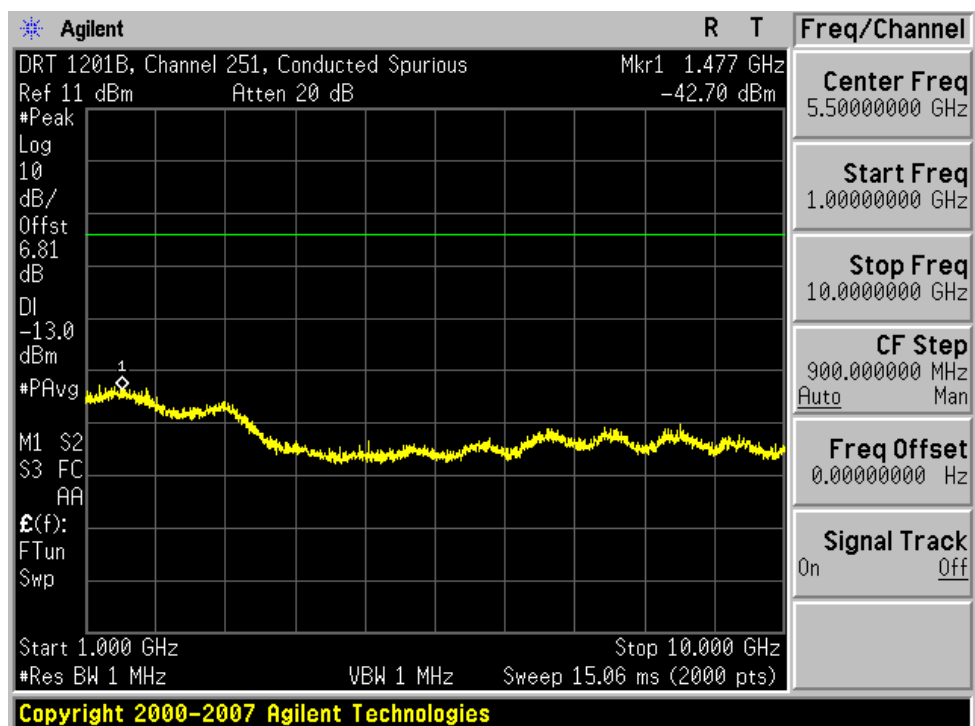


Plot 7-14. Occupied Bandwidth Plot (Cellular GSM Mode – Ch. 190)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 40 of 83

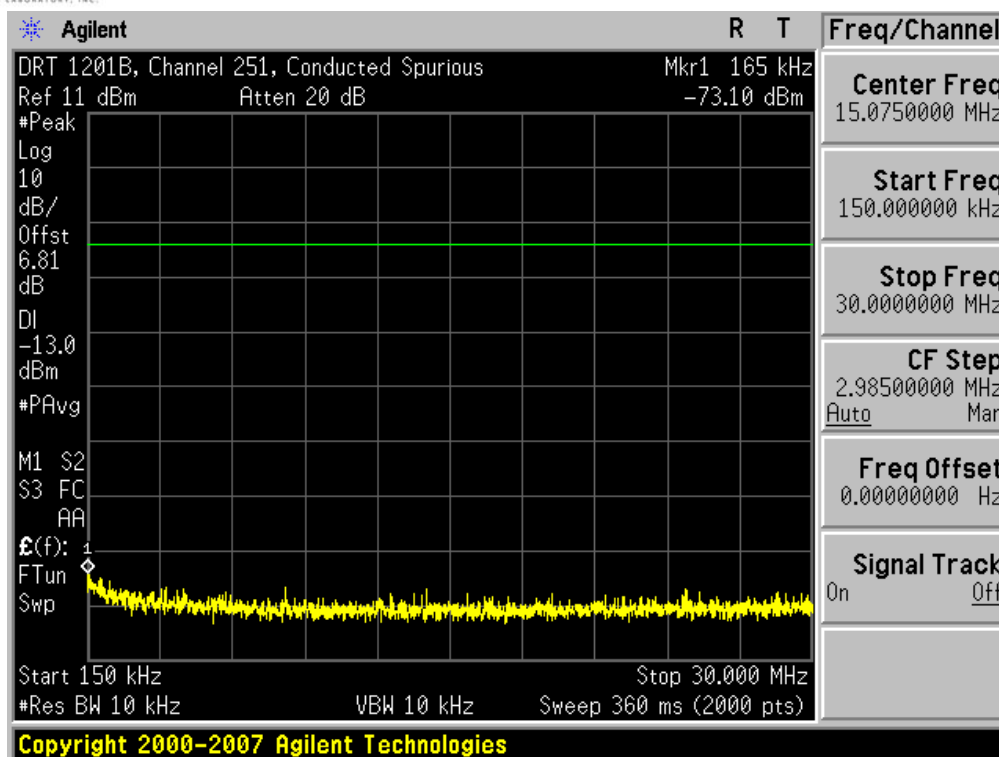


Plot 7-15. Conducted Spurious Plot (Cellular GSM Mode – Ch. 251)

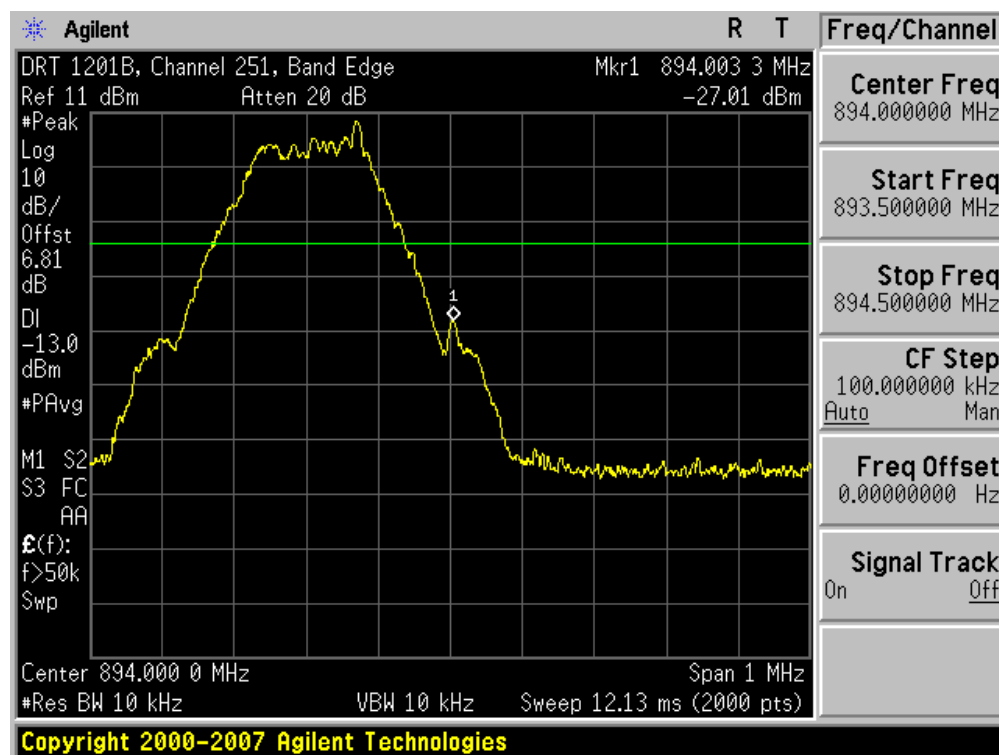


Plot 7-16. Conducted Spurious Plot (Cellular GSM Mode – Ch. 251)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 41 of 83

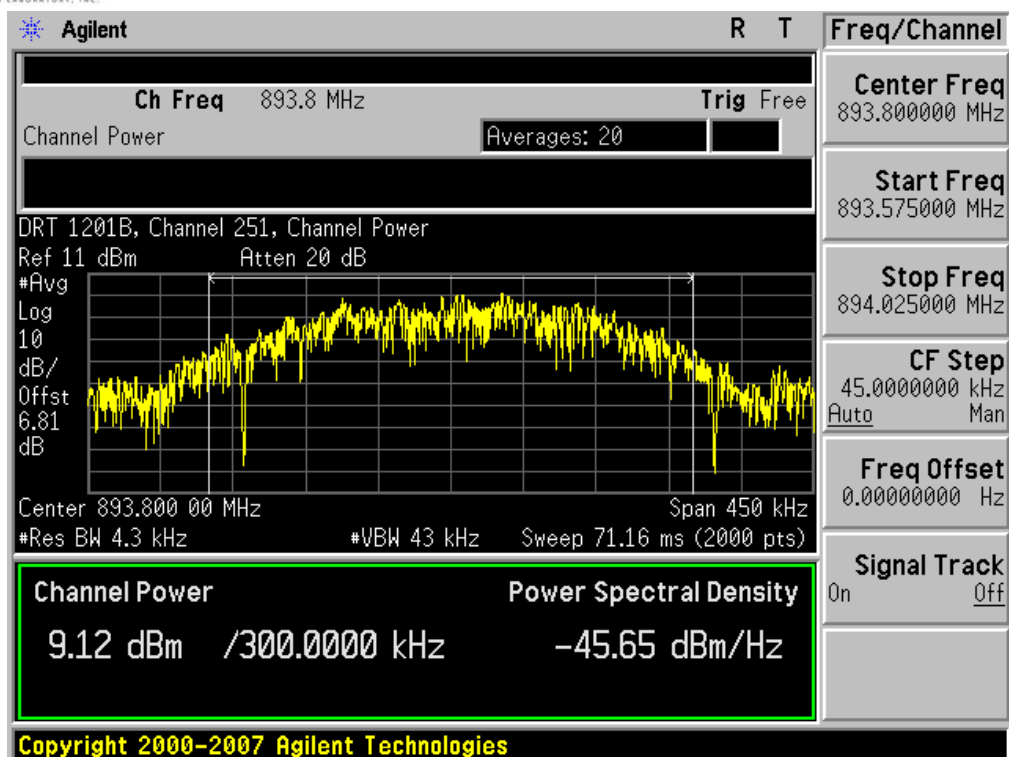


Plot 7-17. Conducted Spurious Plot (Cellular GSM Mode – Ch. 251)

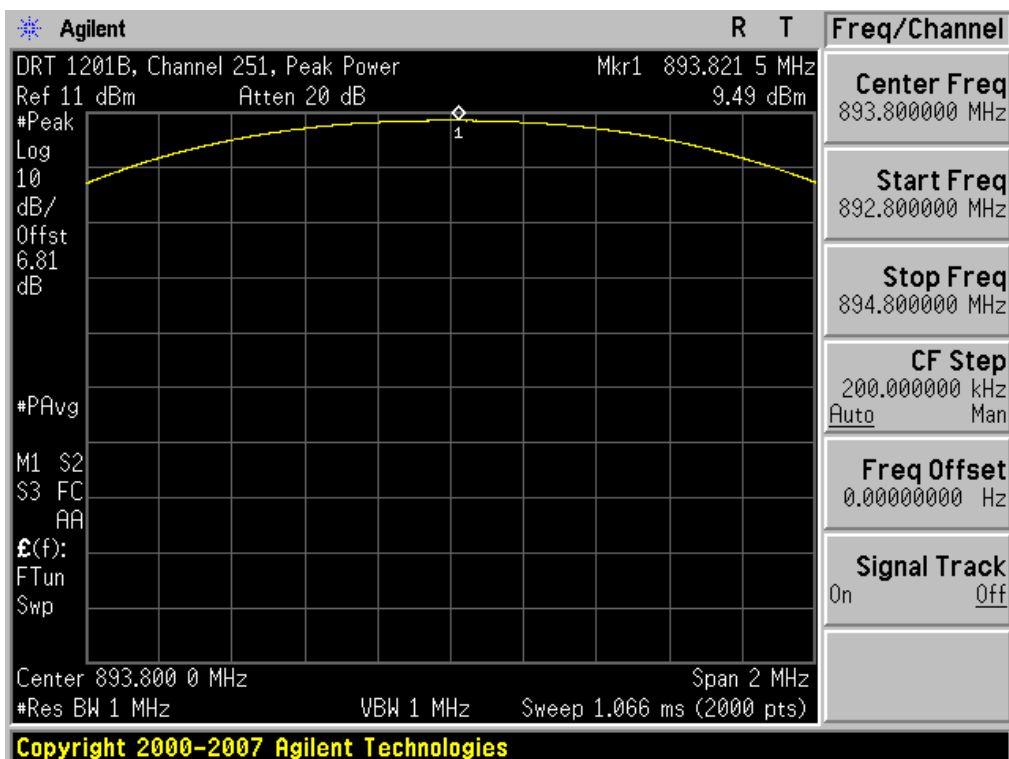


Plot 7-18. Band Edge Plot (Cellular GSM Mode – Ch. 251)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 42 of 83

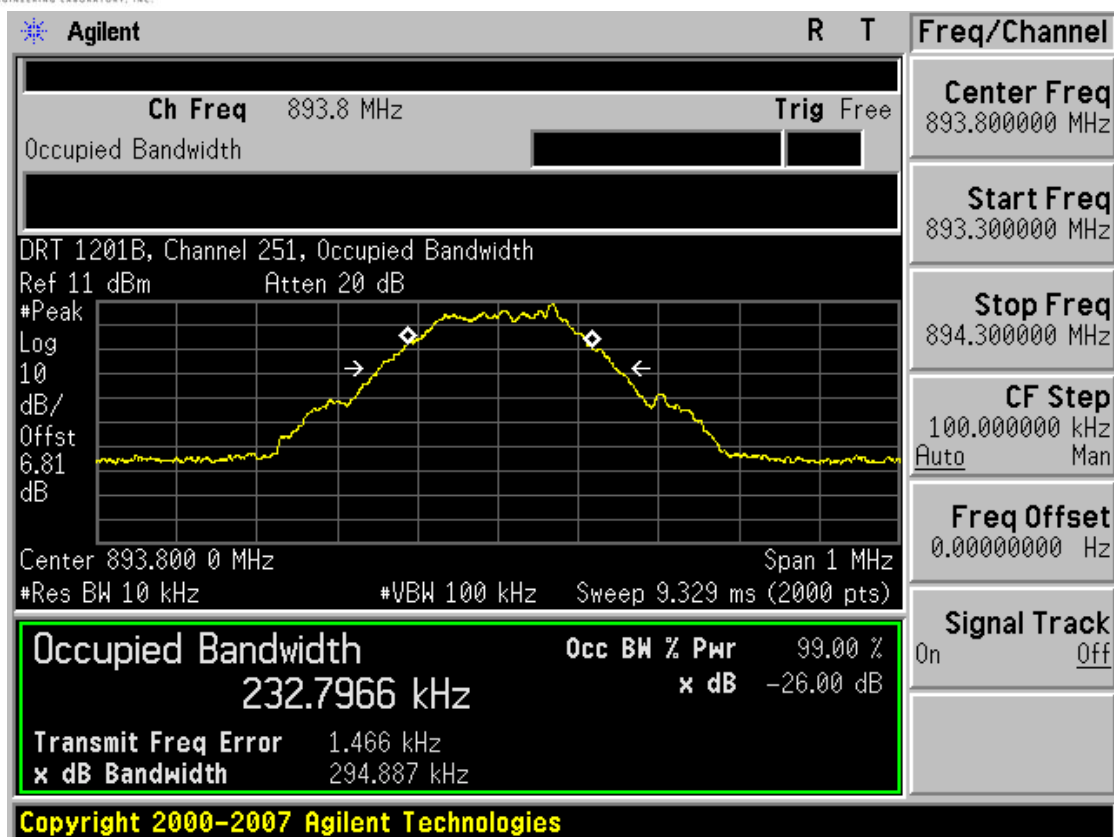


Plot 7-19. Channel Power (Cellular GSM Mode – Ch. 251)



Plot 7-20. Output Power (Cellular GSM Mode – Ch. 251)

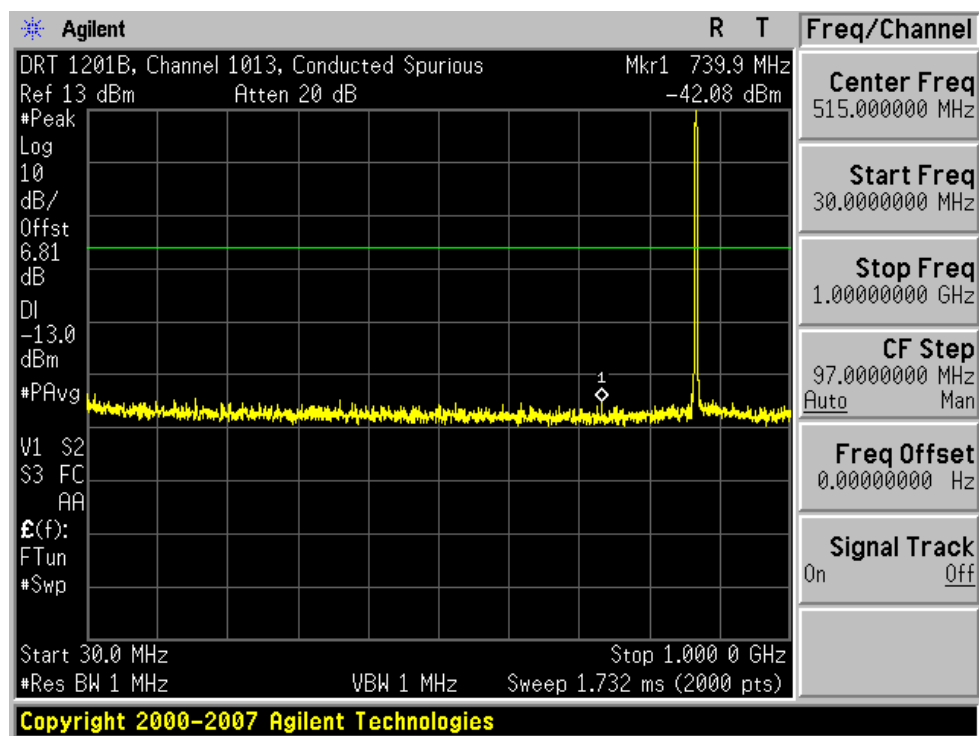
FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 43 of 83



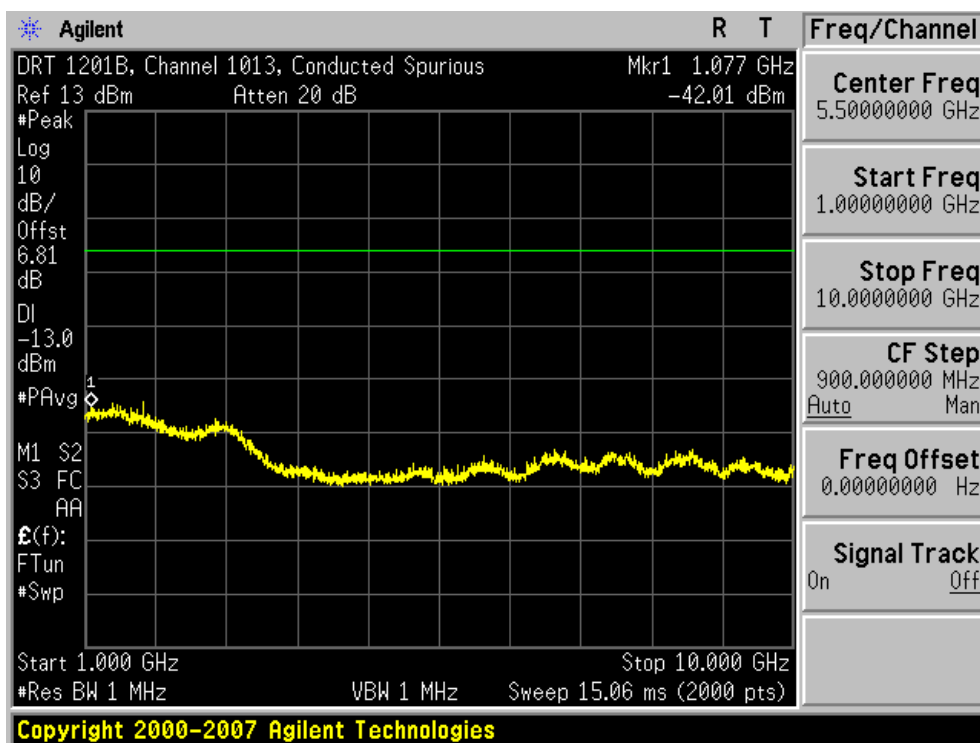
Plot 7-21. Occupied Bandwidth Plot (Cellular GSM Mode – Ch. 251)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 44 of 83

7.2 Cellular CDMA

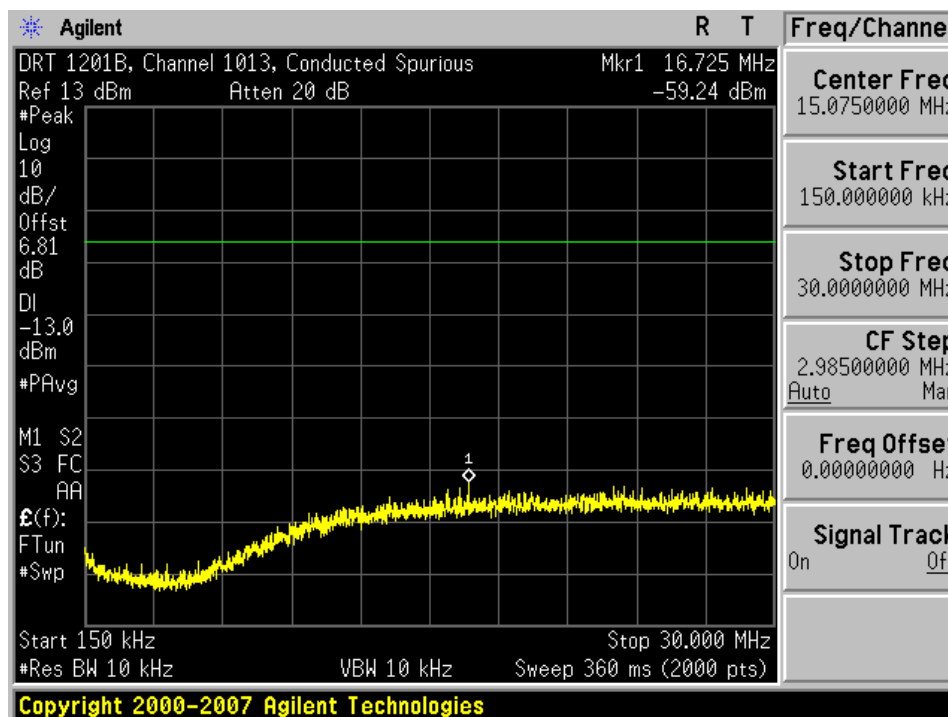


Plot 7-22. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 1013)

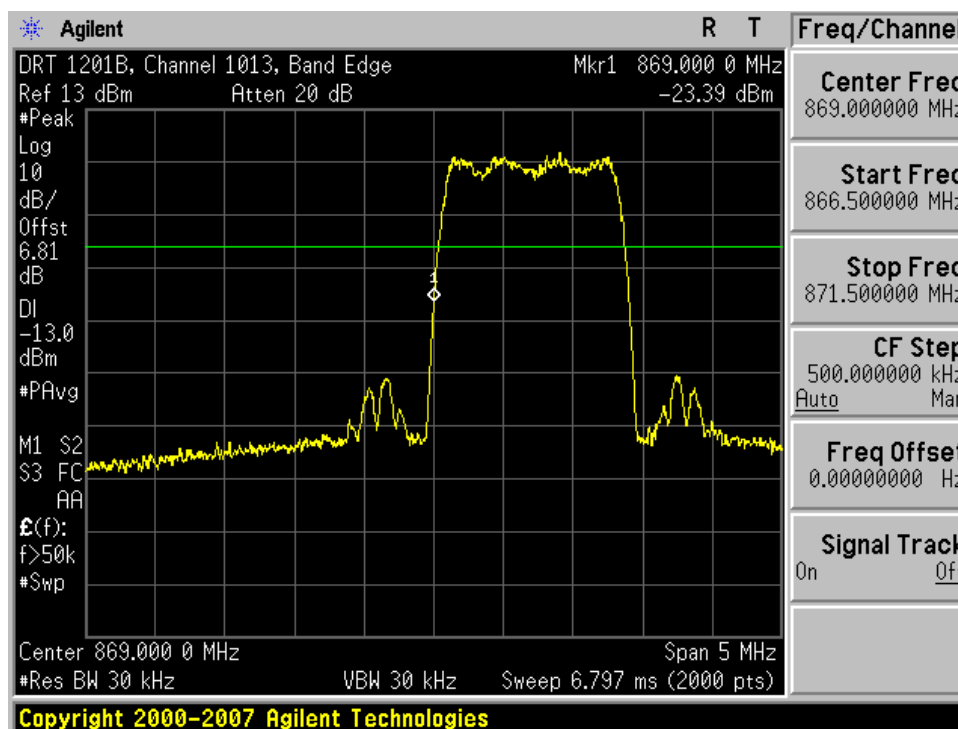


Plot 7-23. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 1013)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 45 of 83

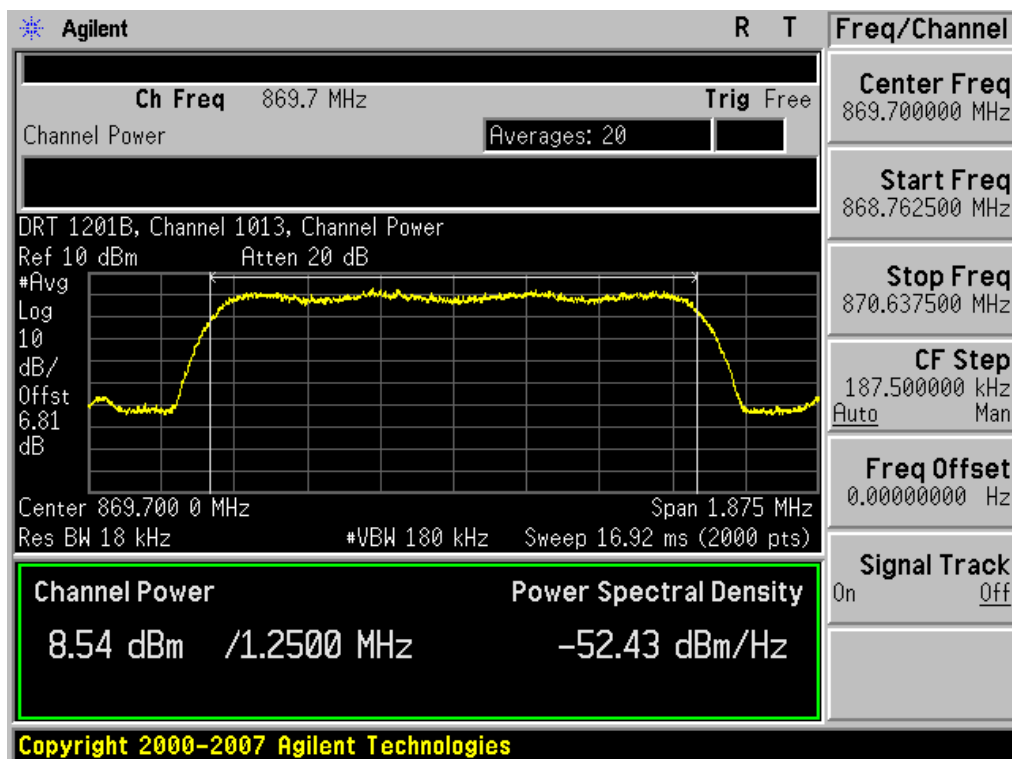


Plot 7-24. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 1013)

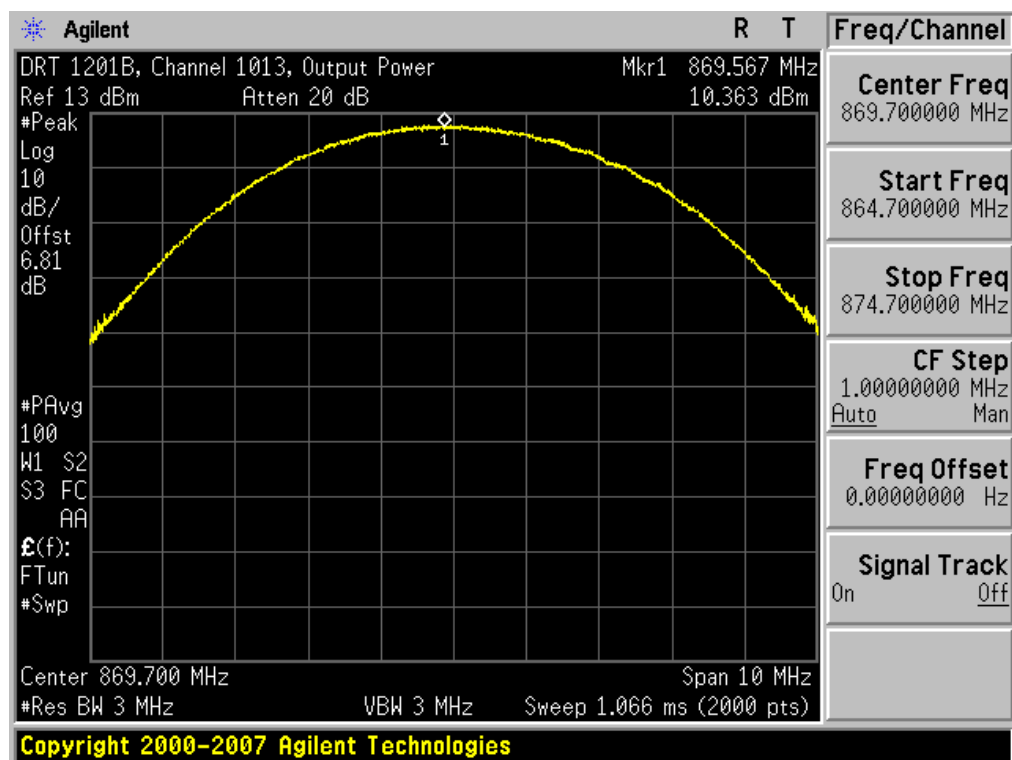


Plot 7-25. Band Edge Plot (Cellular CDMA Mode – Ch. 1013)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 46 of 83

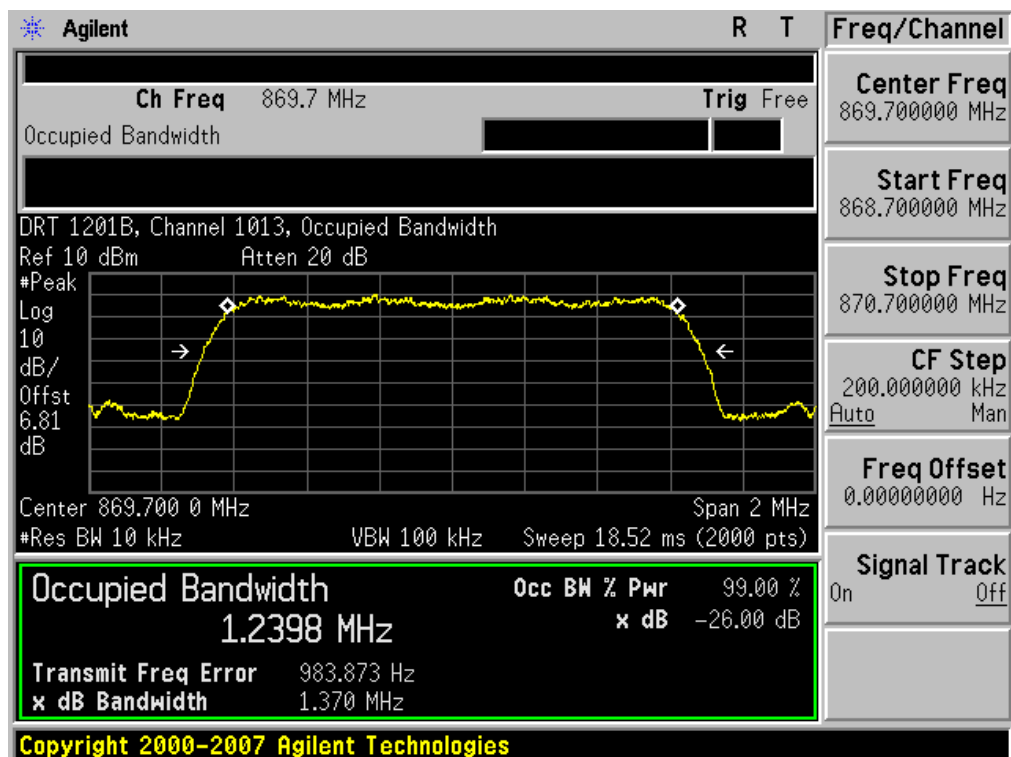


Plot 7-26. Channel Power (Cellular CDMA Mode – Ch. 1013)

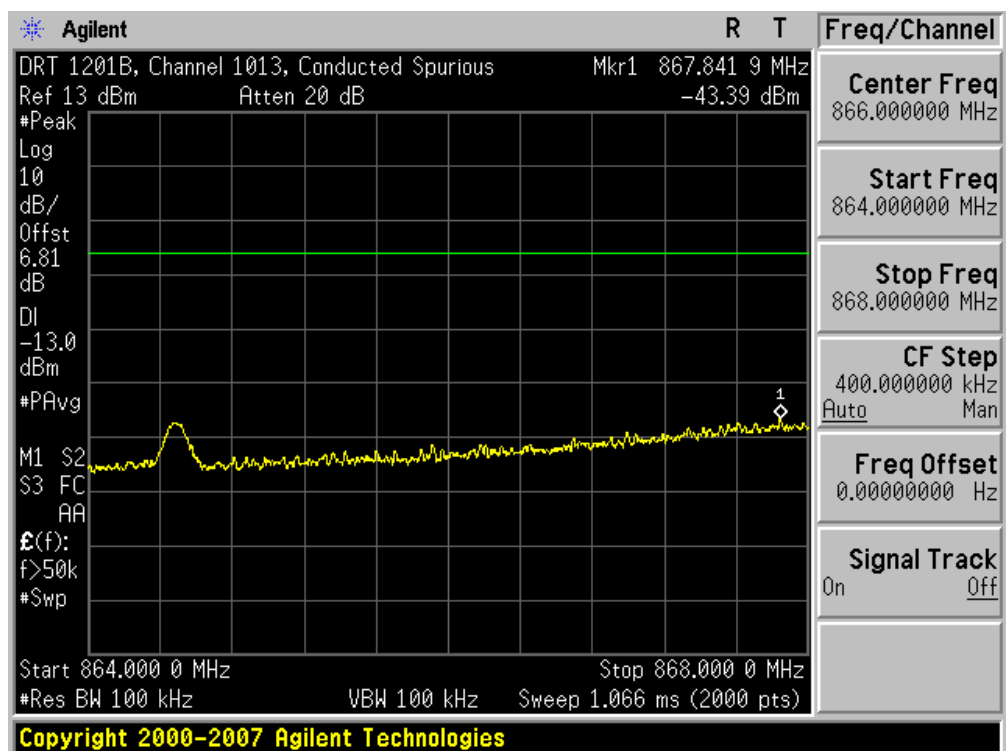


Plot 7-27. Output Power (Cellular CDMA Mode – Ch. 1013)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 47 of 83

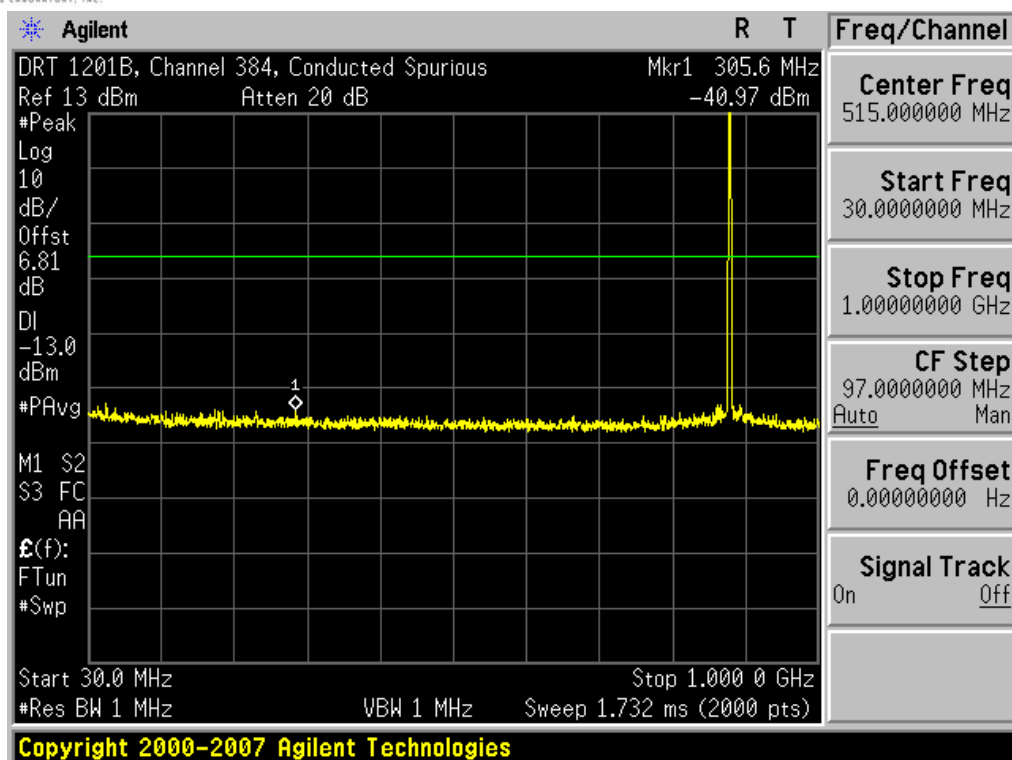


Plot 7-28. Occupied Bandwidth Plot (Cellular CDMA Mode – Ch. 1013)

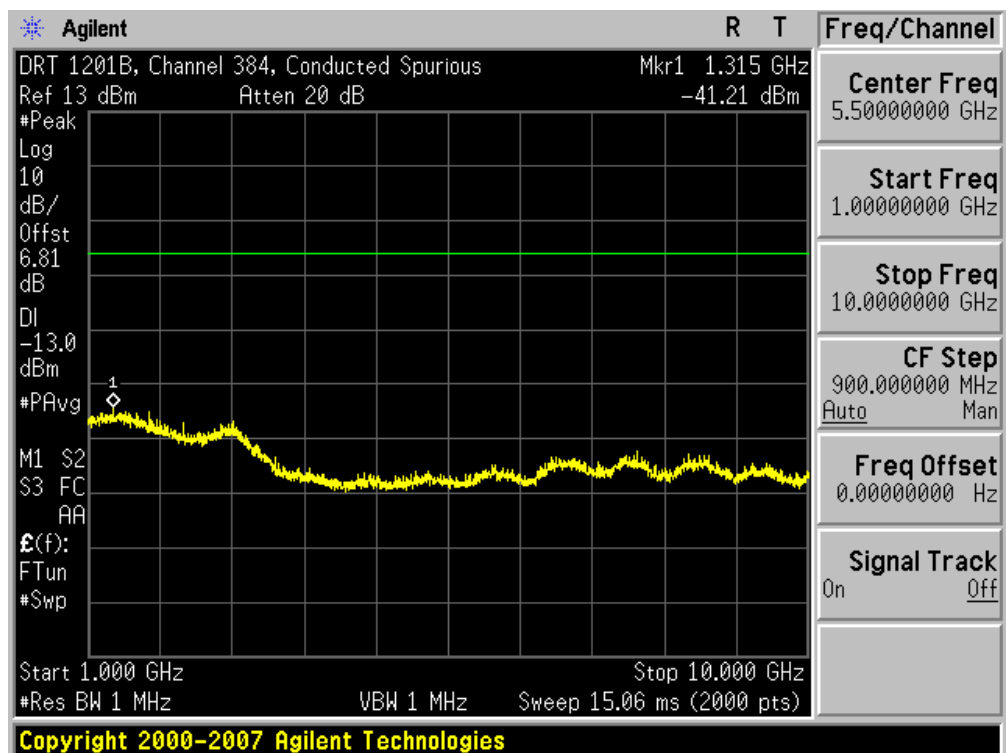


Plot 7-29. 4MHz Span Plot (Cellular CDMA Mode – Ch. 1013)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 48 of 83

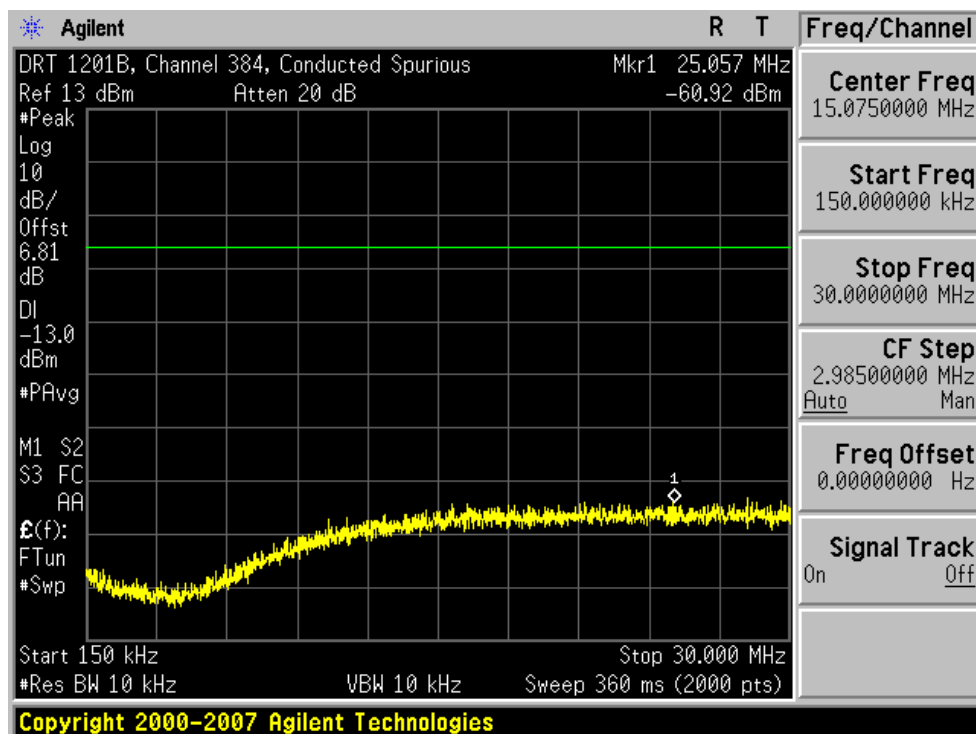


Plot 7-30. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 384)

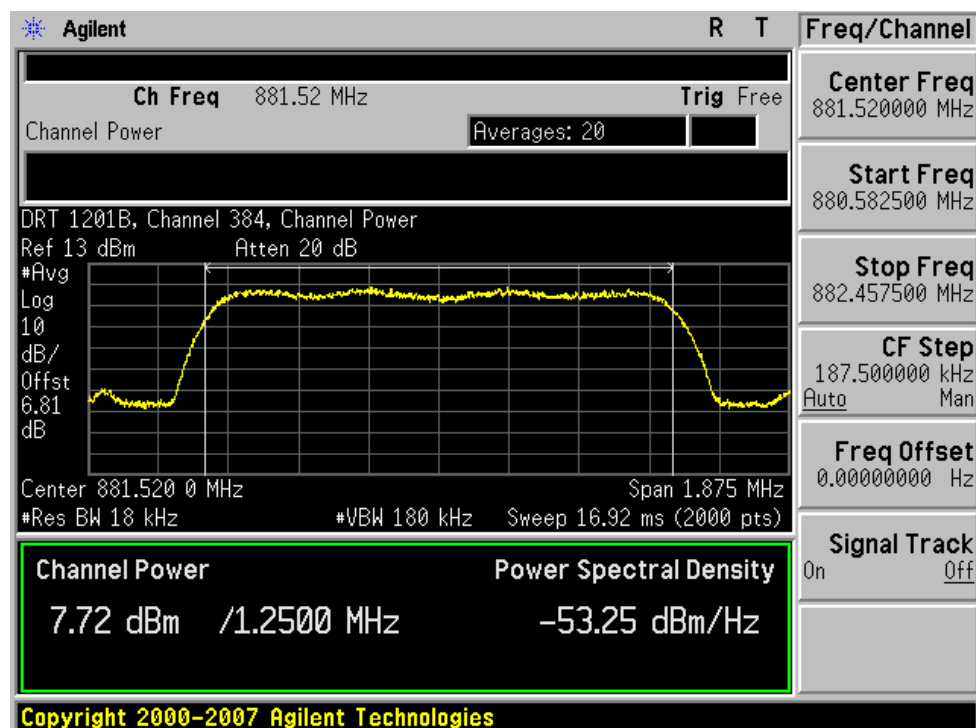


Plot 7-31. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 384)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 49 of 83

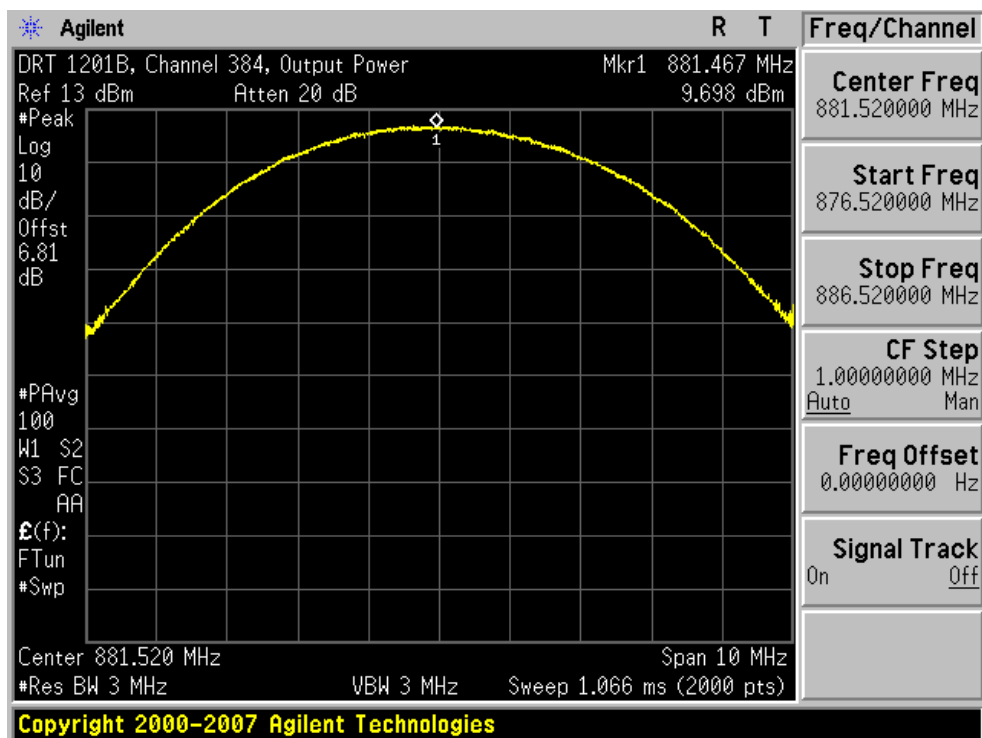


Plot 7-32. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 384)

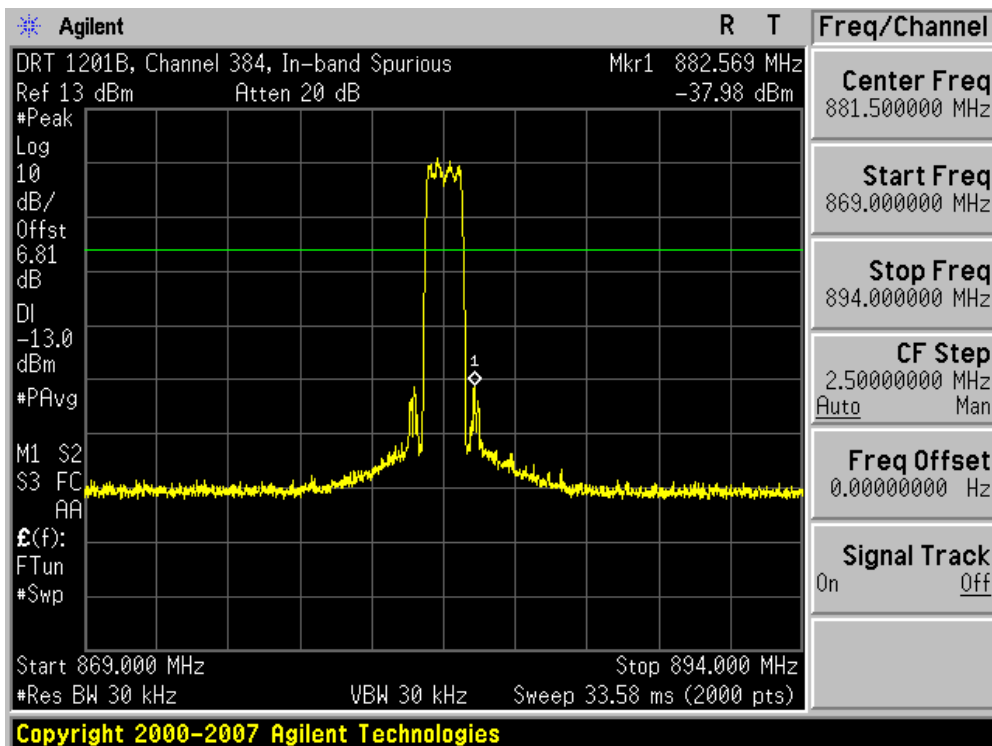


Plot 7-33. Channel Power (Cellular CDMA Mode – Ch. 384)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 50 of 83

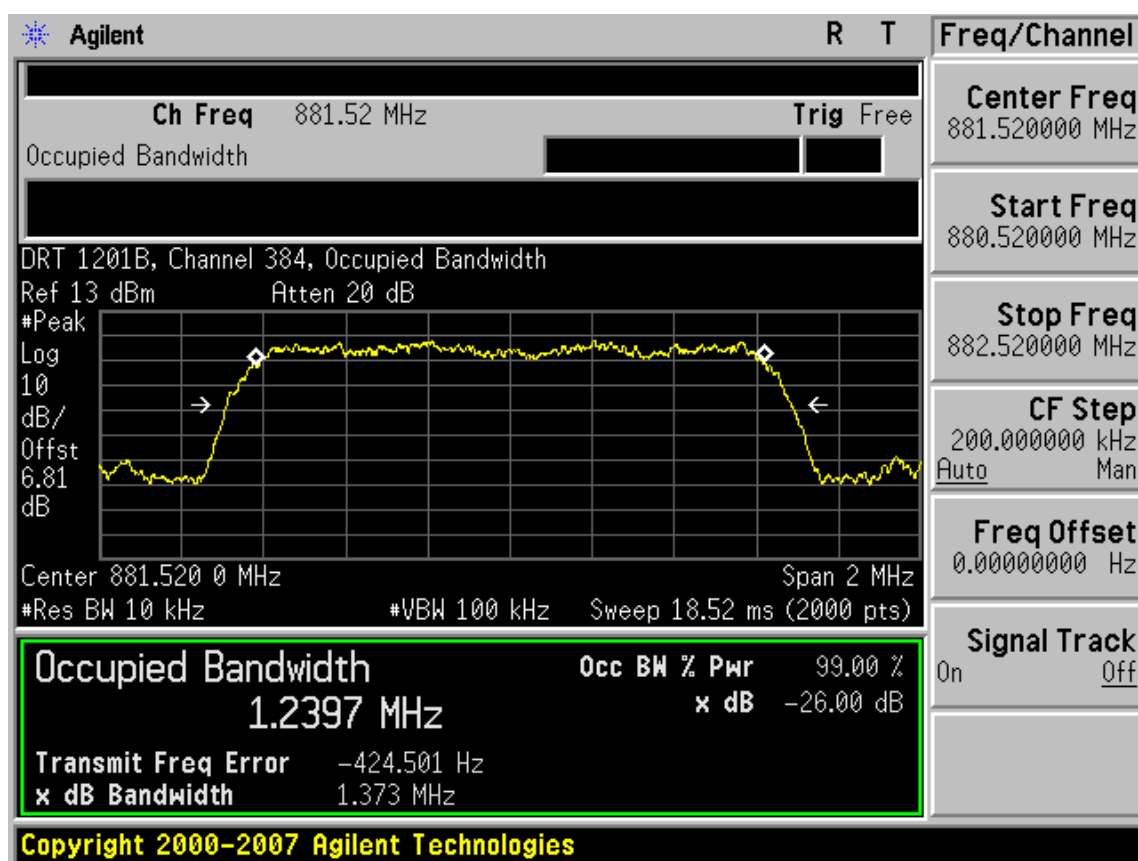


Plot 7-34. Output Power (Cellular CDMA Mode – Ch. 384)



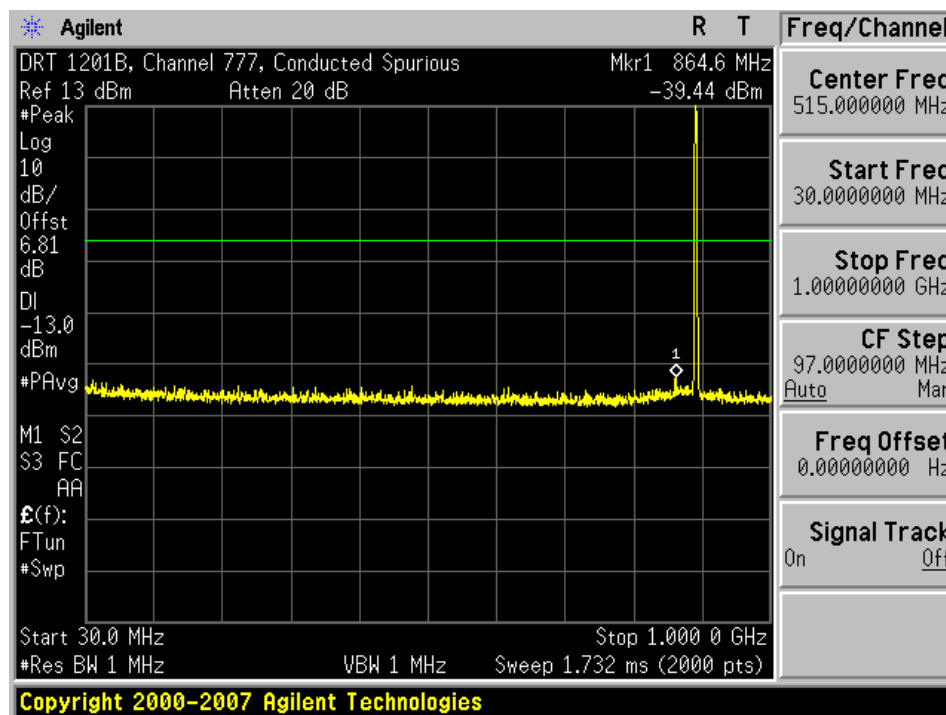
Plot 7-35. Inband Mid Channel (Cellular CDMA Mode – Ch. 384)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 51 of 83

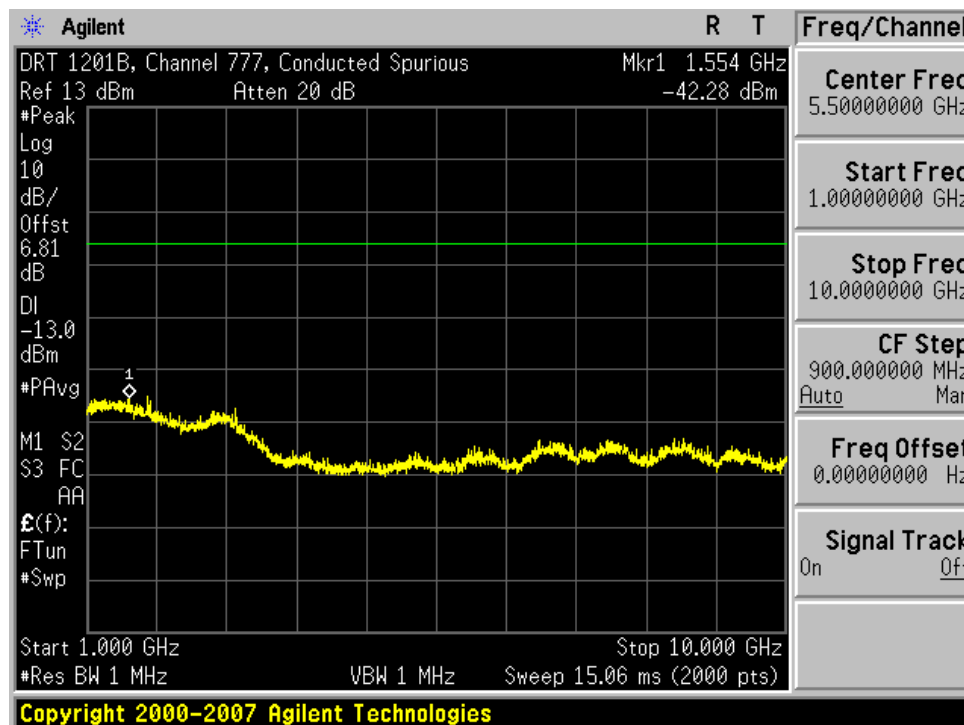


Plot 7-36. Occupied Bandwidth Plot (Cellular CDMA Mode – Ch. 384)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 52 of 83

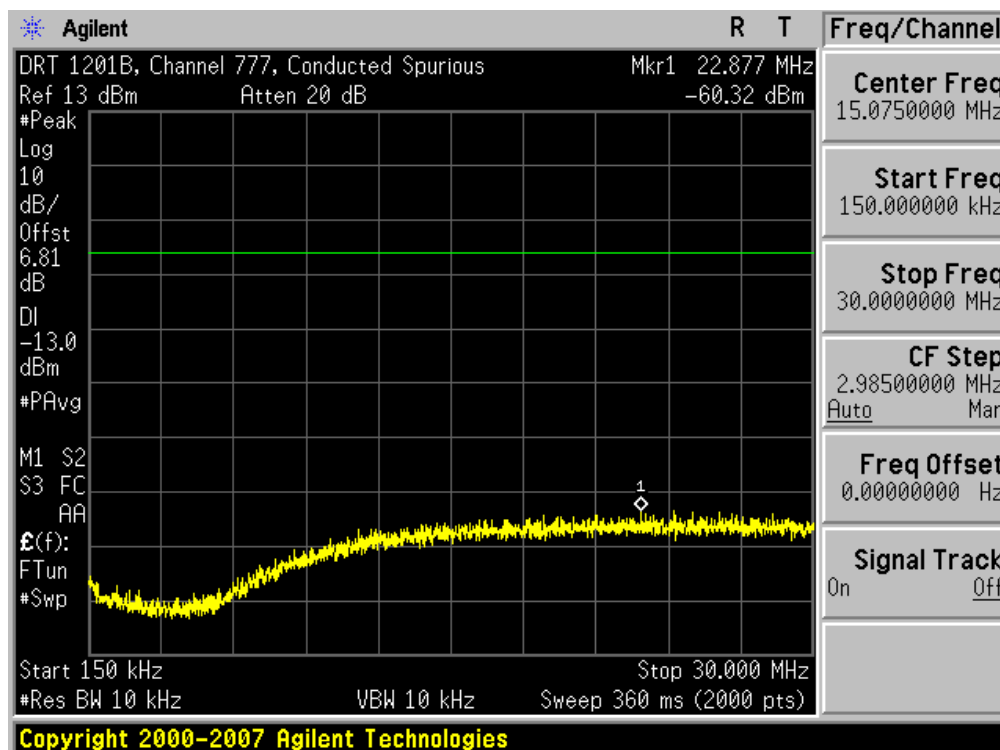


Plot 7-37. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 777)

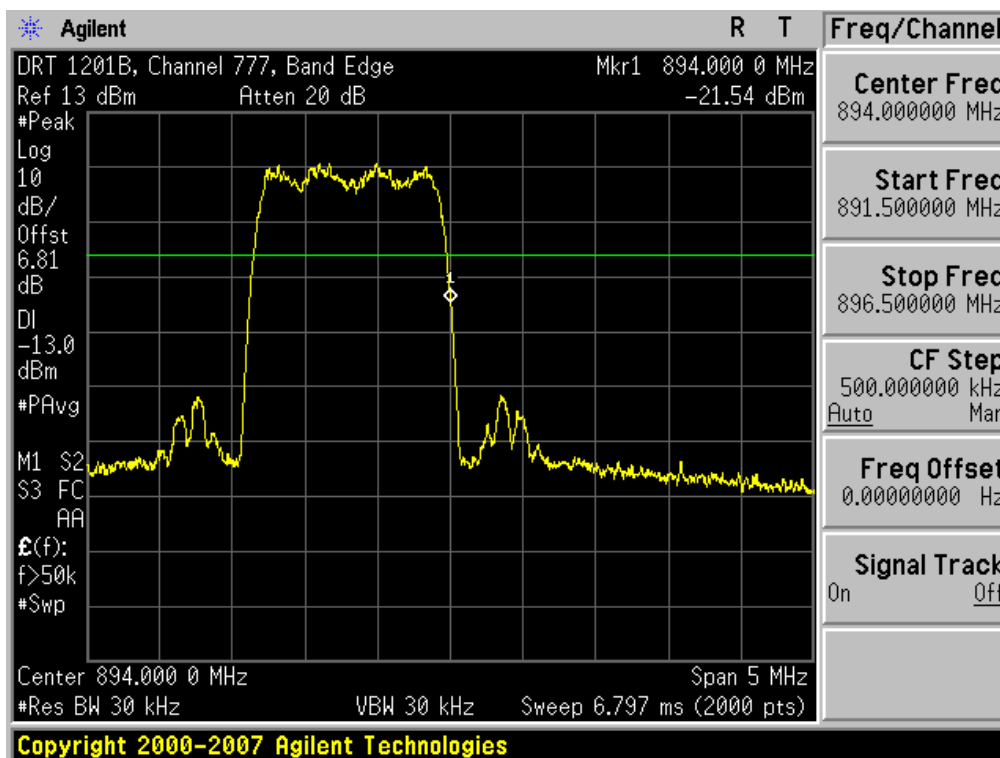


Plot 7-38. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 777)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 53 of 83

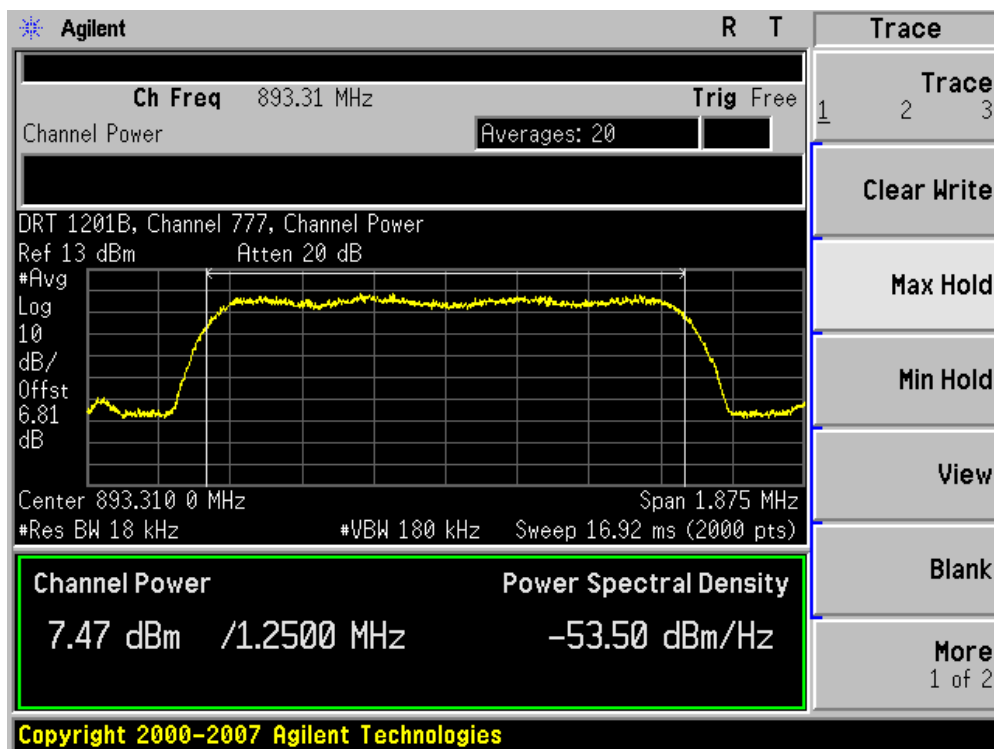


Plot 7-39. Conducted Spurious Plot (Cellular CDMA Mode – Ch. 777)

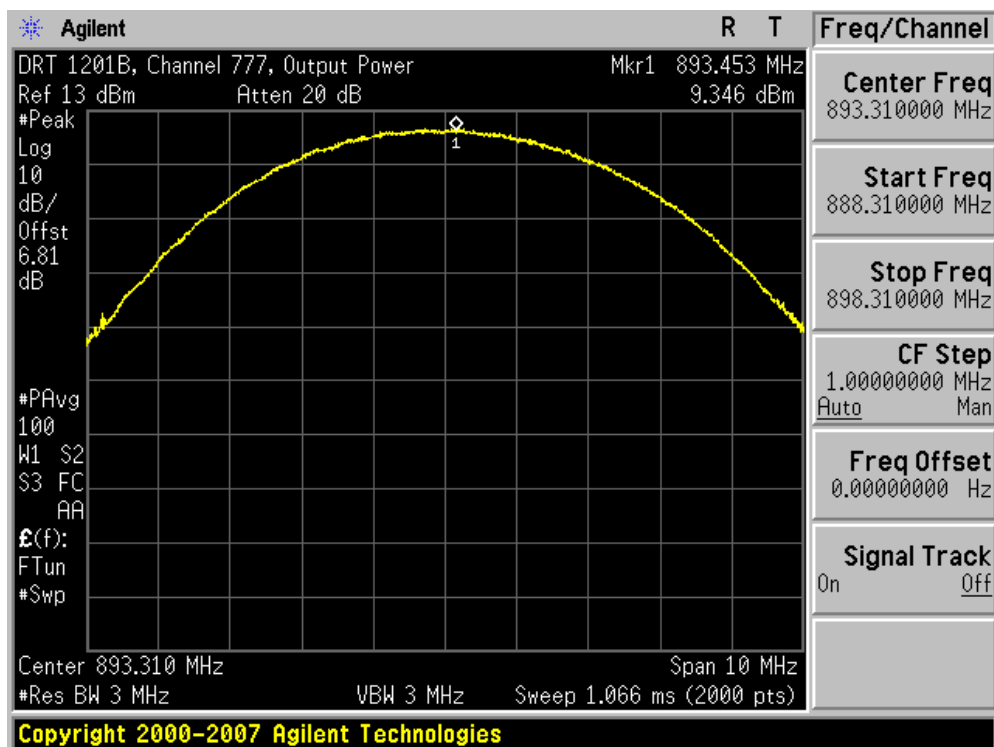


Plot 7-40. Band Edge Plot (Cellular CDMA Mode – Ch. 777)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 54 of 83

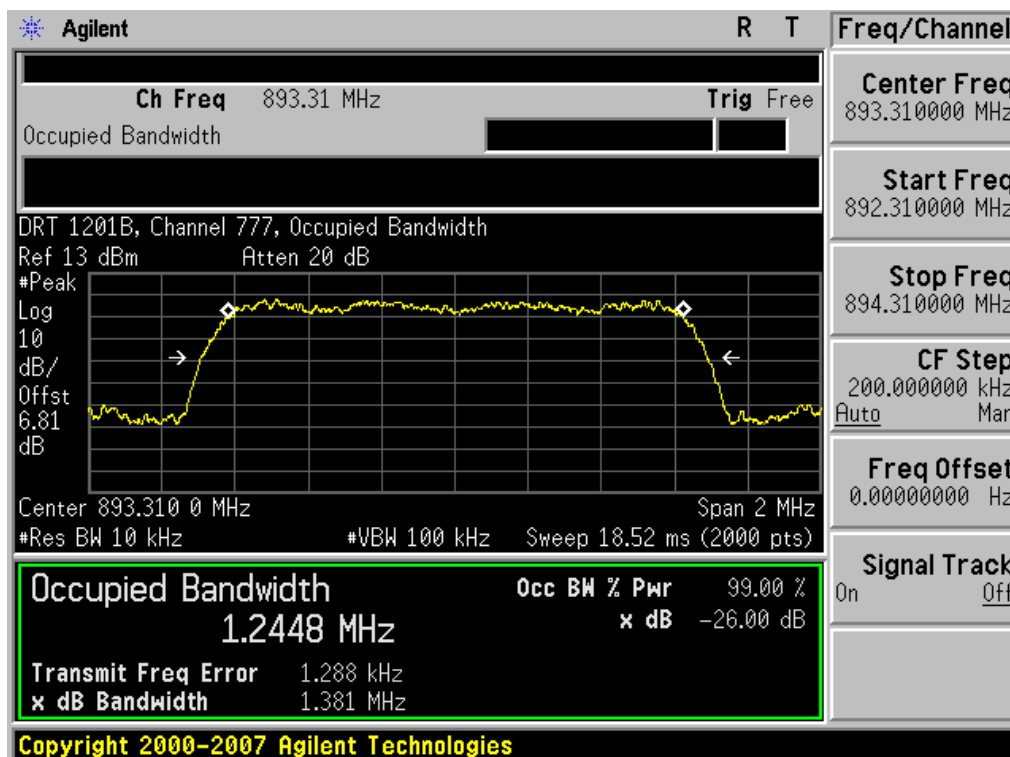


Plot 7-41. Channel Power (Cellular CDMA Mode – Ch. 777)

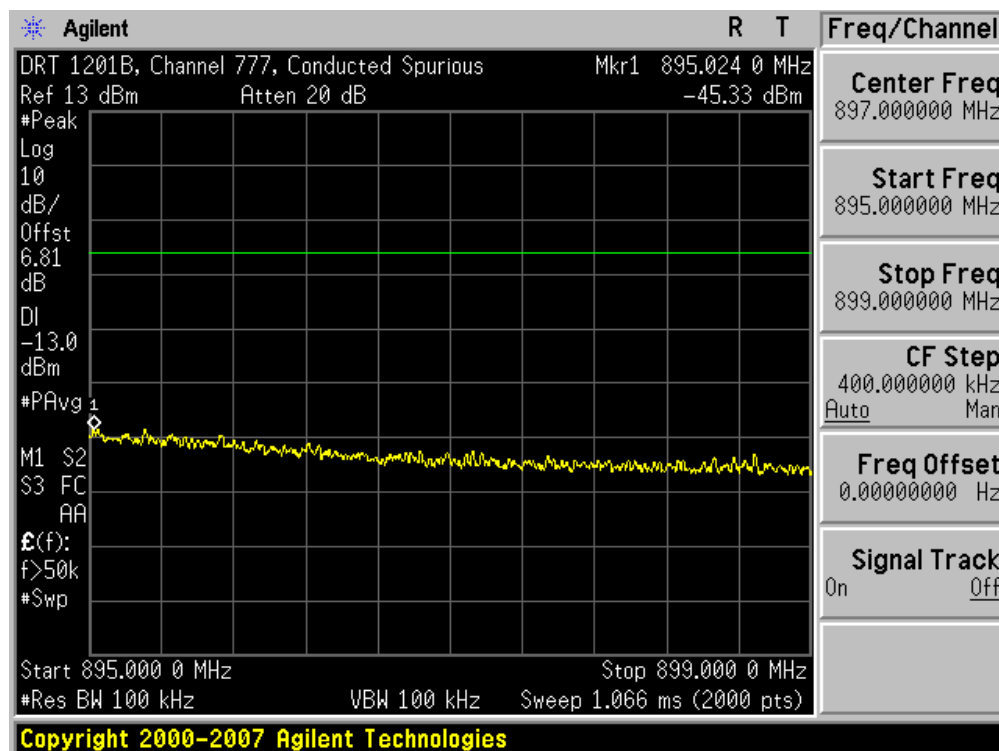


Plot 7-42. Output Power (Cellular CDMA Mode – Ch. 777)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 55 of 83



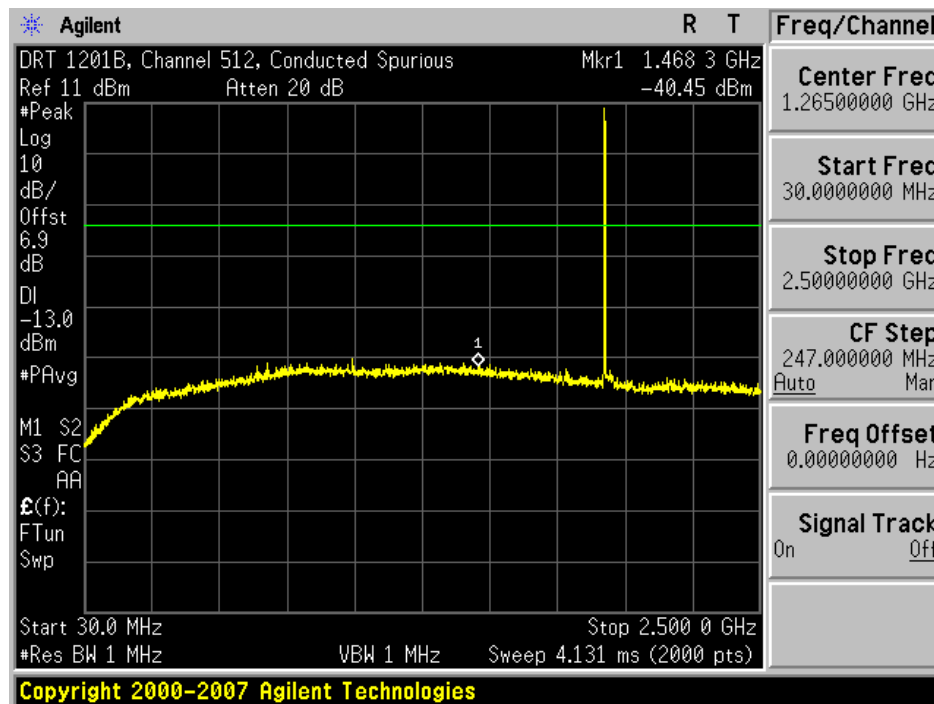
Plot 7-43. Occupied Bandwidth Plot (Cellular CDMA Mode – Ch. 777)



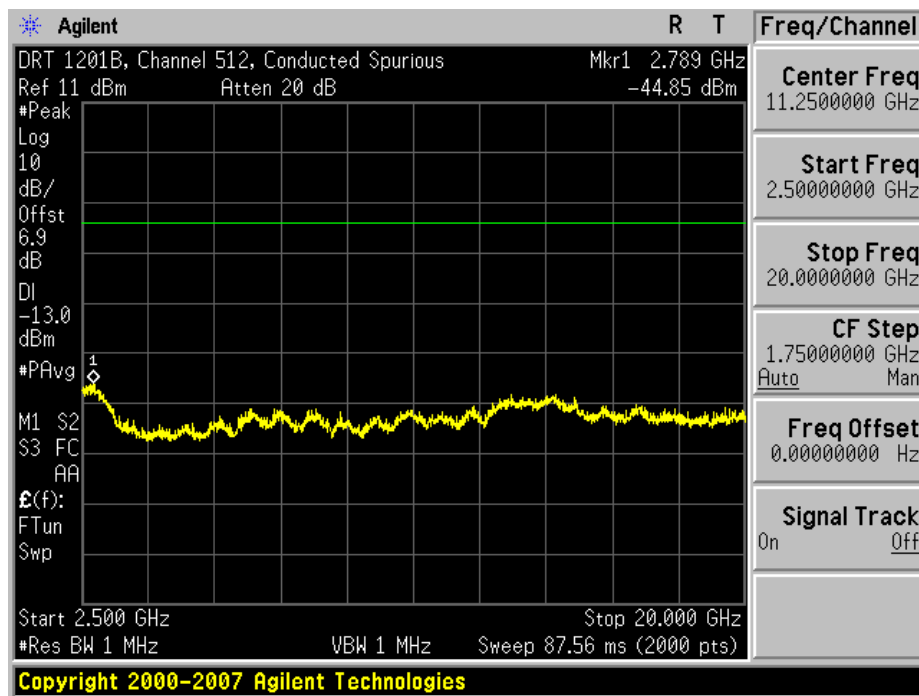
Plot 7-44. 4MHz Span Plot (Cellular CDMA Mode – Ch. 777)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 56 of 83

7.3 PCS GSM

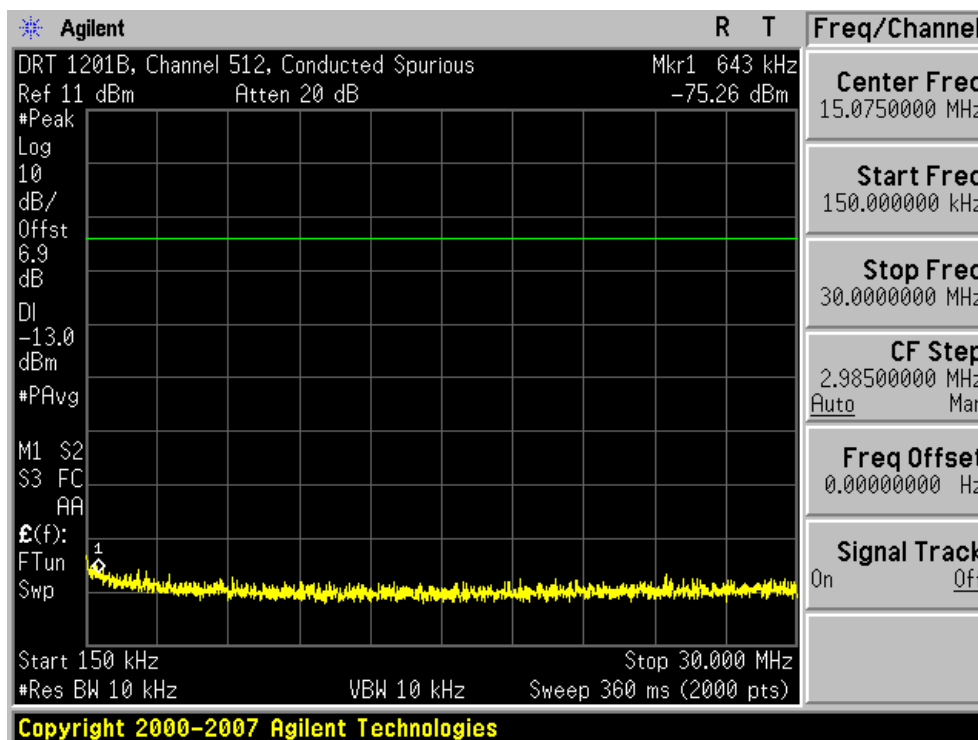


Plot 7-45. Conducted Spurious Plot (PCS GSM Mode – Ch. 512)

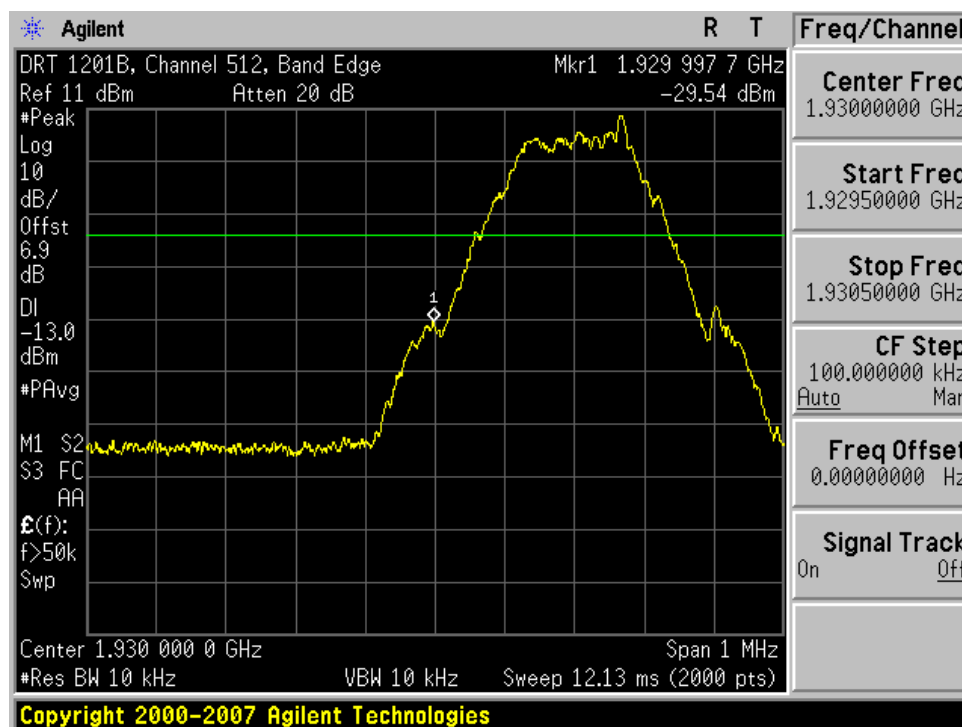


Plot 7-46. Conducted Spurious Plot (PCS GSM Mode – Ch. 512)



FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 57 of 83

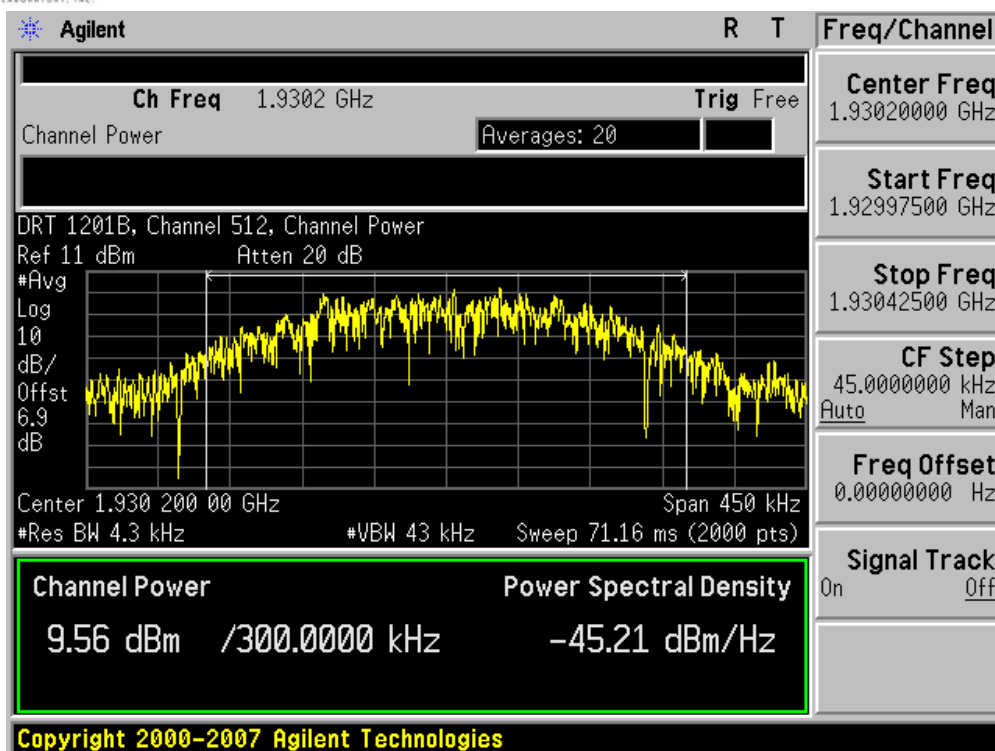


Plot 7-47. Conducted Spurious Plot (PCS GSM Mode – Ch. 512)

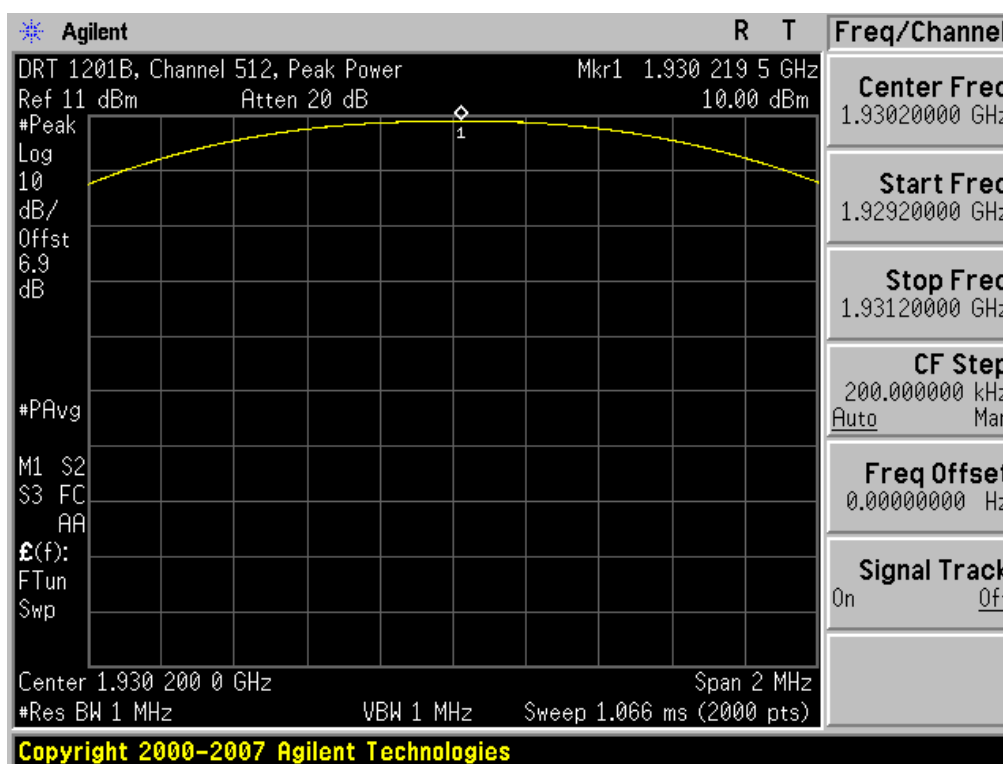


Plot 7-48. Band Edge Plot (PCS GSM Mode – Ch. 512)

FCC ID: TBD	 FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION) 	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station
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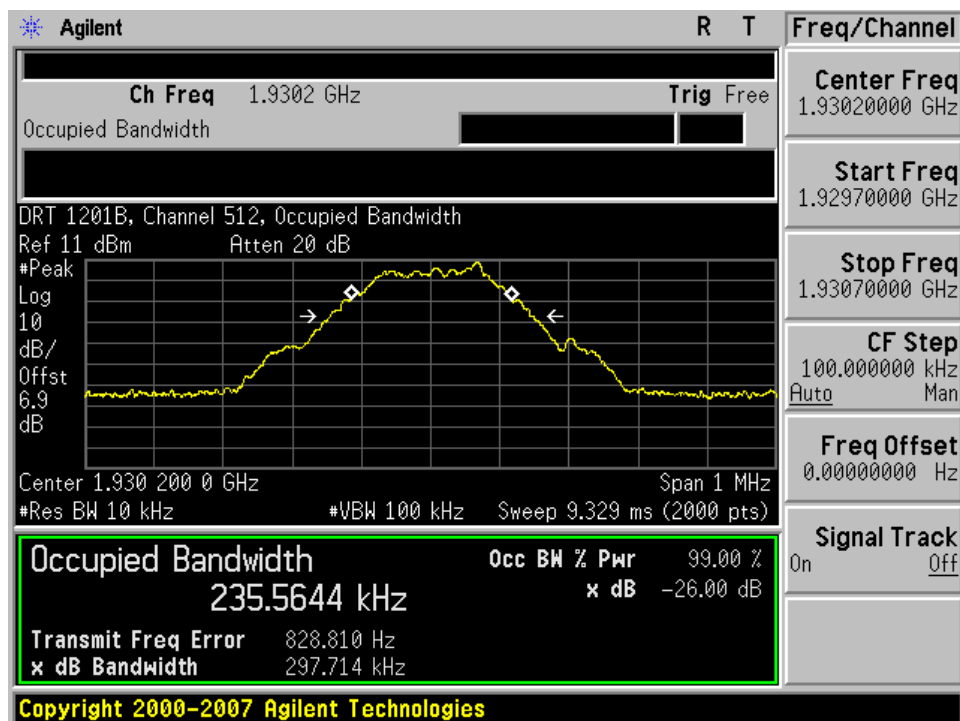


Plot 7-49. Channel Power (PCS GSM Mode – Ch. 512)

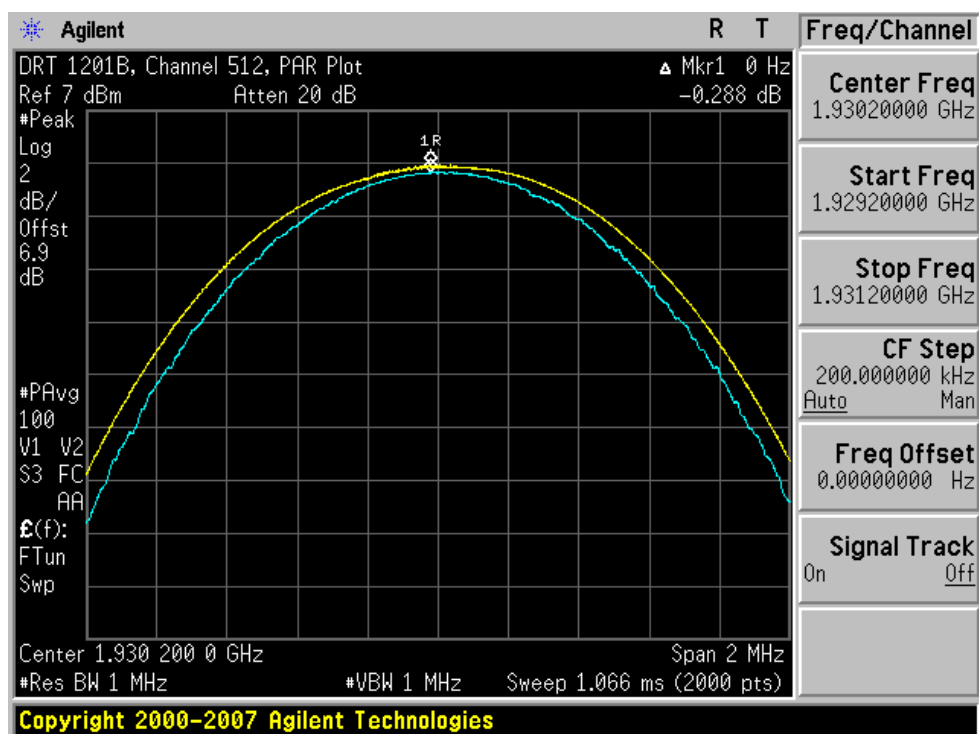


Plot 7-50. Output Power (PCS GSM Mode – Ch. 512)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 59 of 83

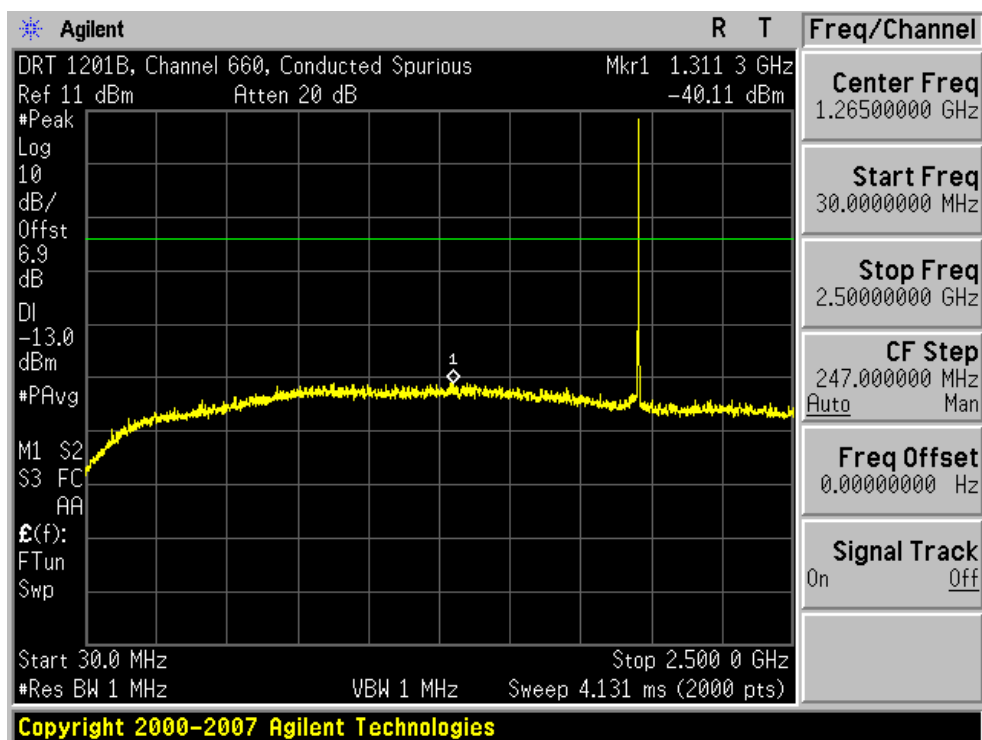


Plot 7-51. Occupied Bandwidth Plot (PCS GSM Mode – Ch. 512)

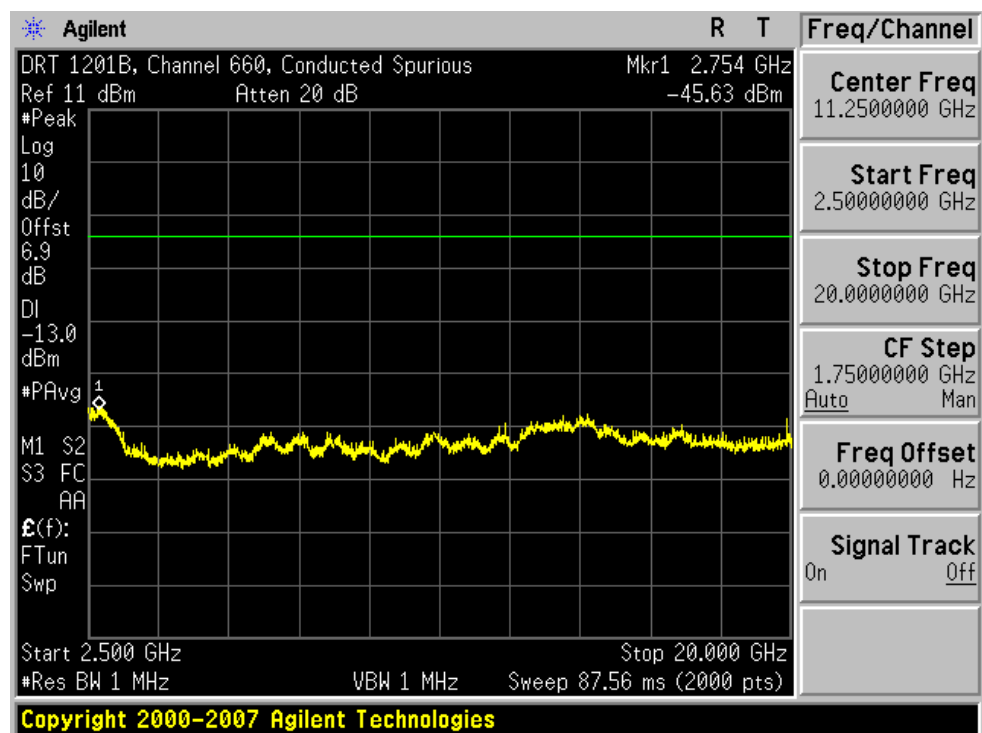


Plot 7-52. Peak-Average Ratio Plot (PCS GSM Mode – Ch. 512)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 60 of 83

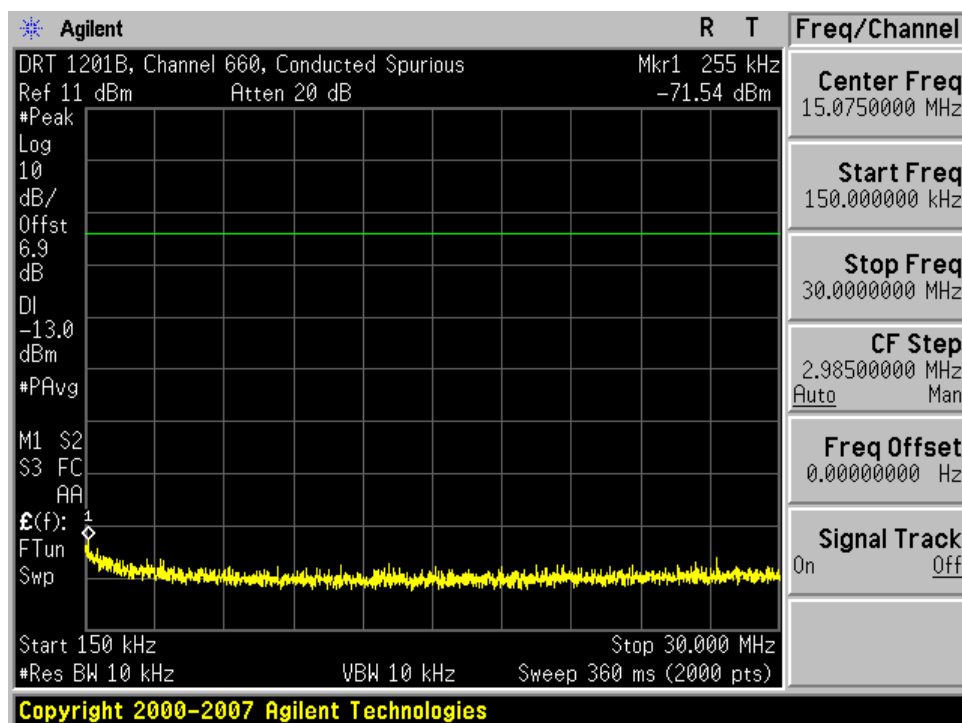


Plot 7-53. Conducted Spurious Plot (PCS GSM Mode – Ch. 661)

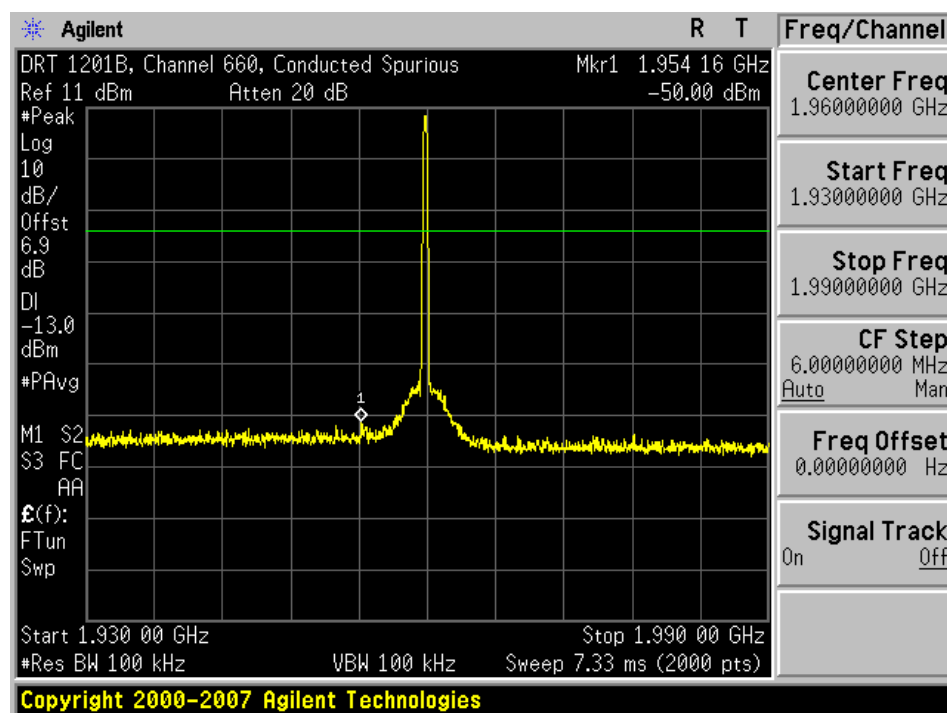


Plot 7-54. Conducted Spurious Plot (PCS GSM Mode – Ch. 661)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 61 of 83

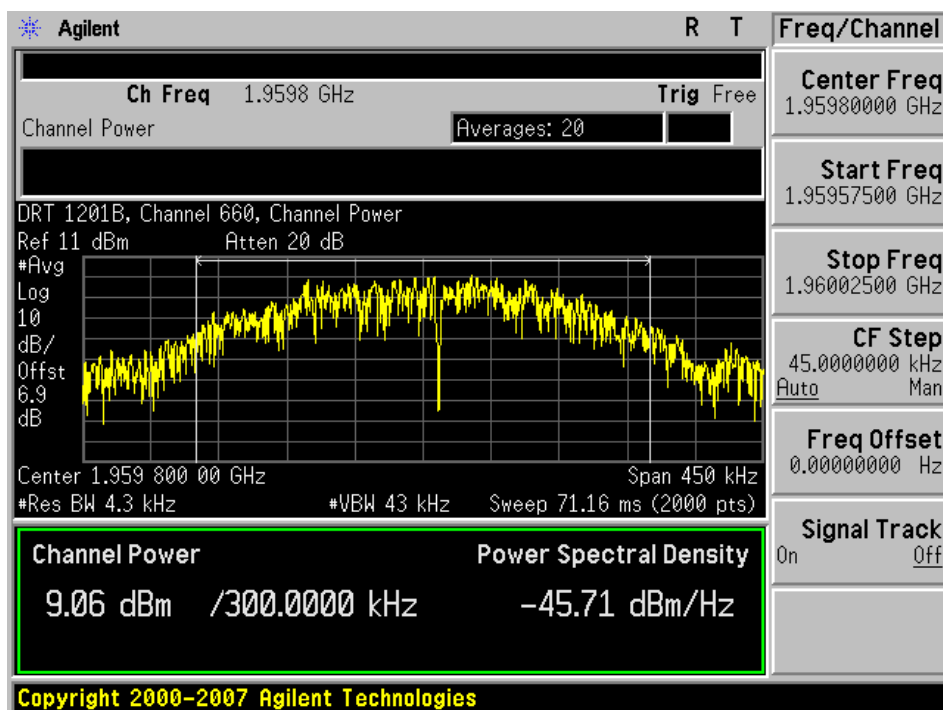


Plot 7-55. Conducted Spurious Plot (PCS GSM Mode – Ch. 661)

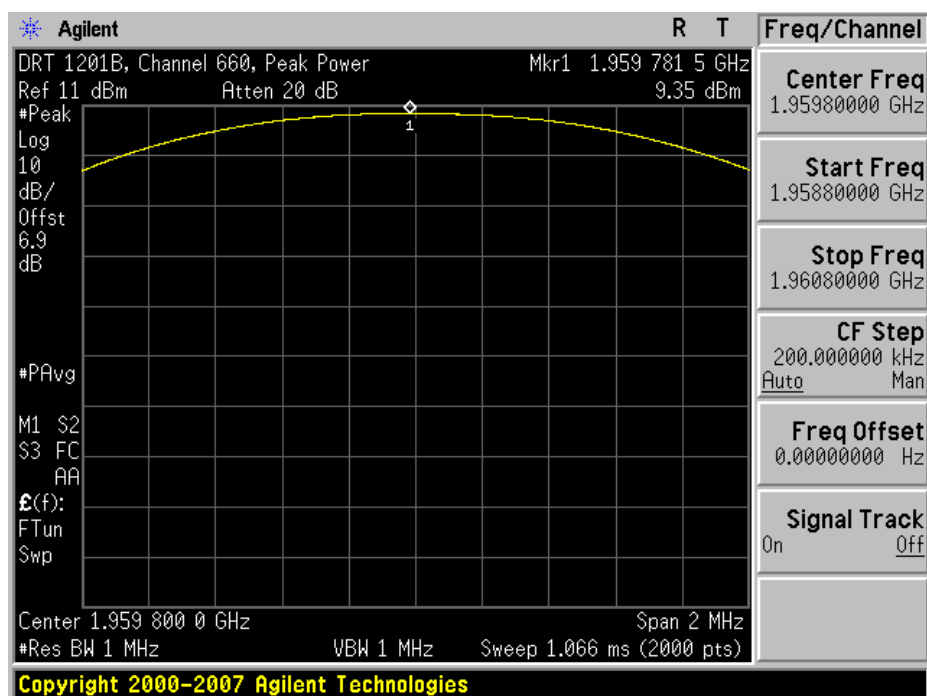


Plot 7-56. Band Edge Plot (PCS GSM Mode – Ch. 661)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 62 of 83

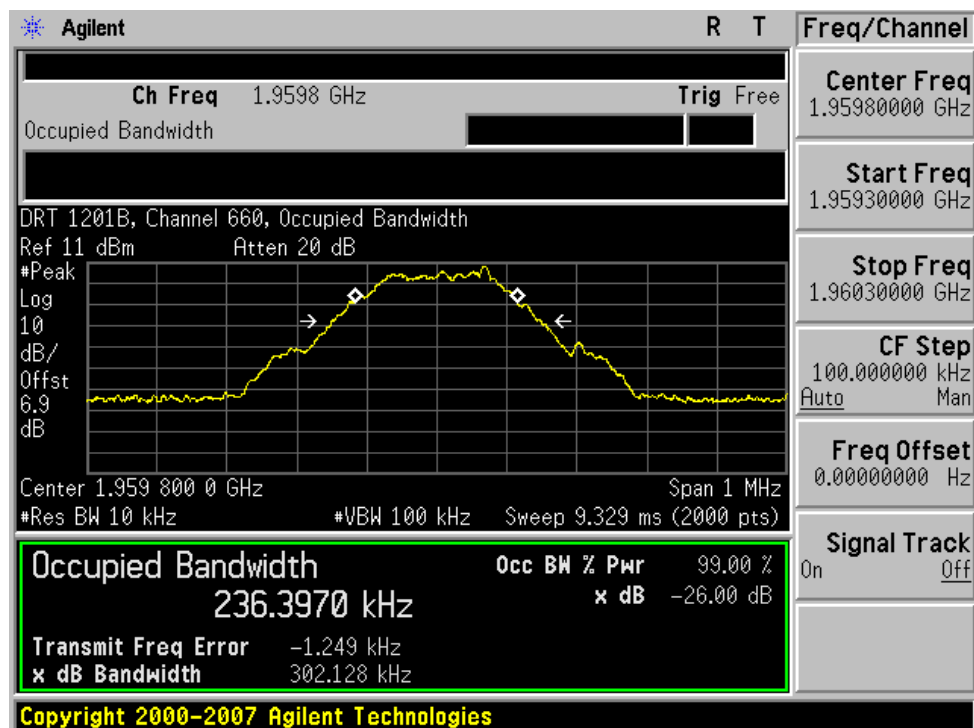


Plot 7-57. Channel Power (PCS GSM Mode – Ch. 661)

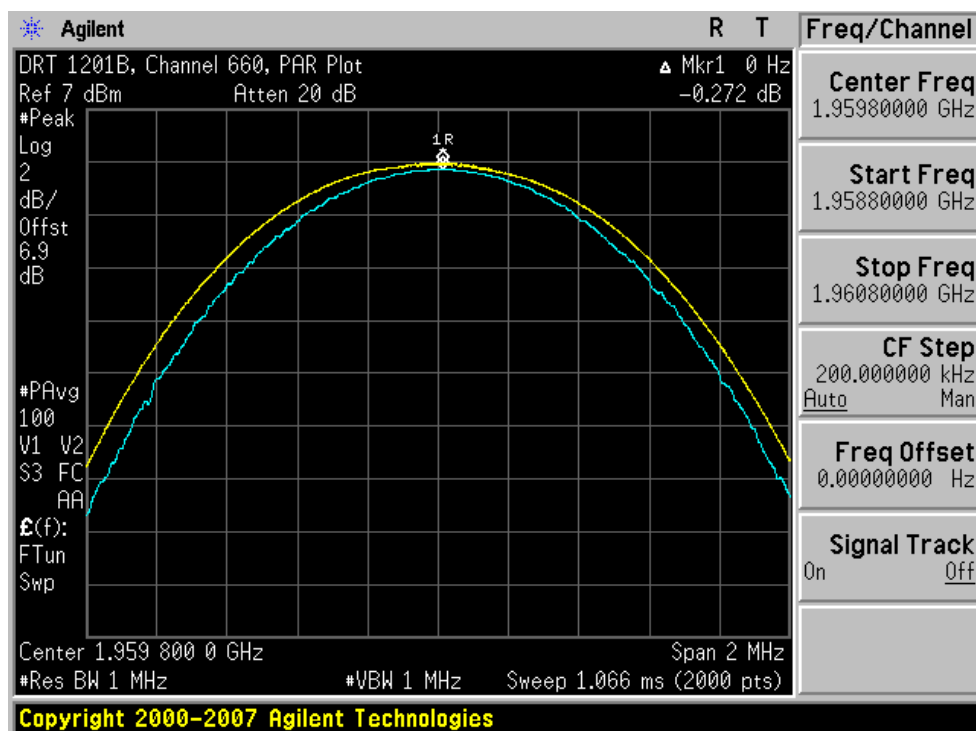


Plot 7-58. Output Power (PCS GSM Mode – Ch. 661)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 63 of 83

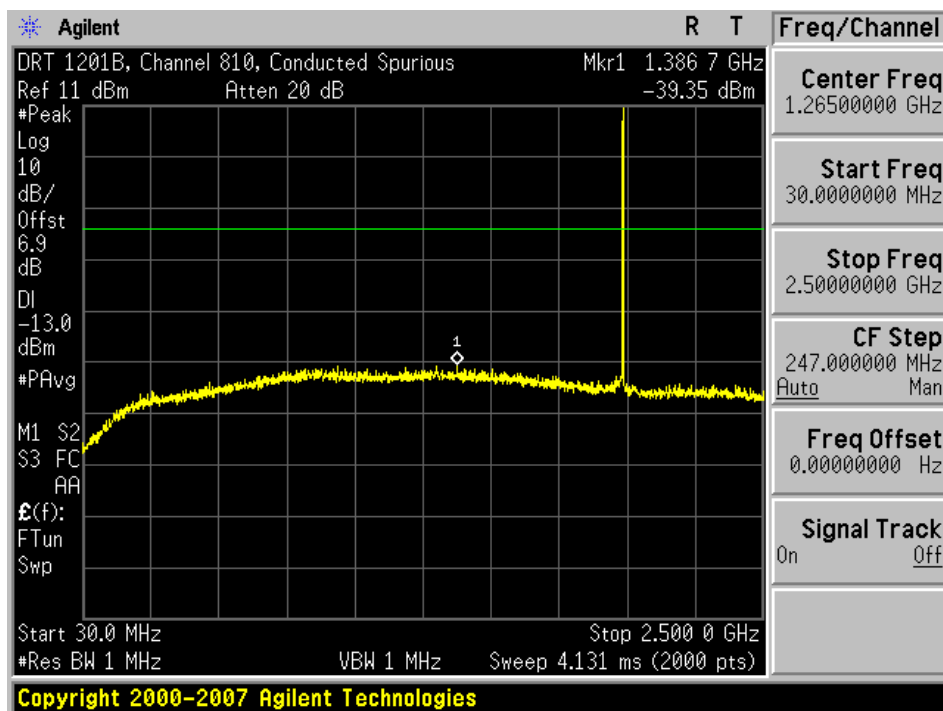


Plot 7-59. Occupied Bandwidth Plot (PCS GSM Mode – Ch. 661)

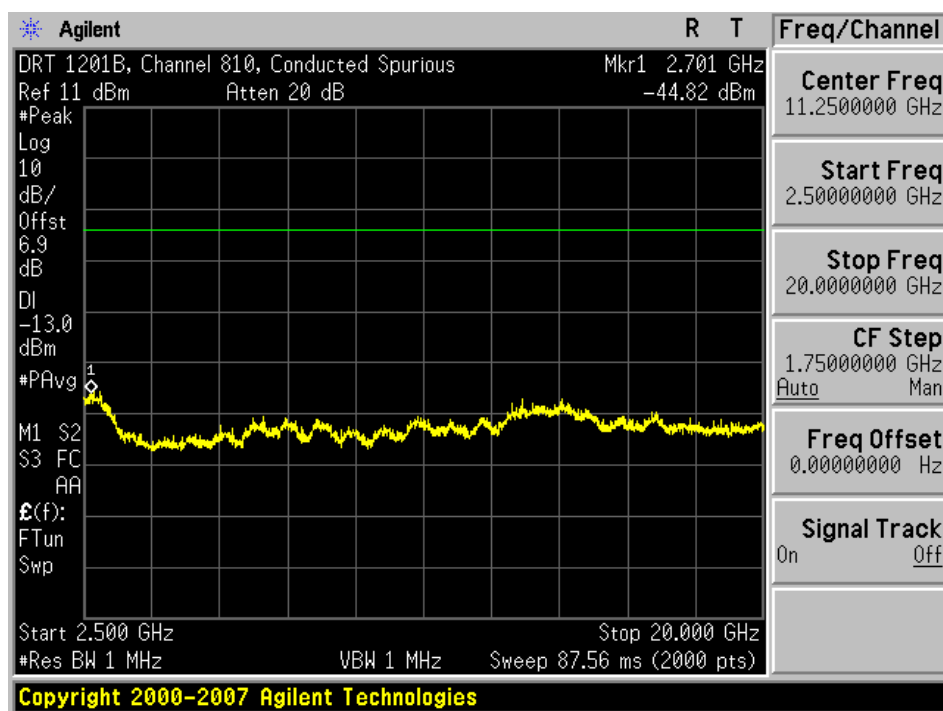


Plot 7-60. Peak-Average Ratio Plot (PCS GSM Mode – Ch. 661)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 64 of 83

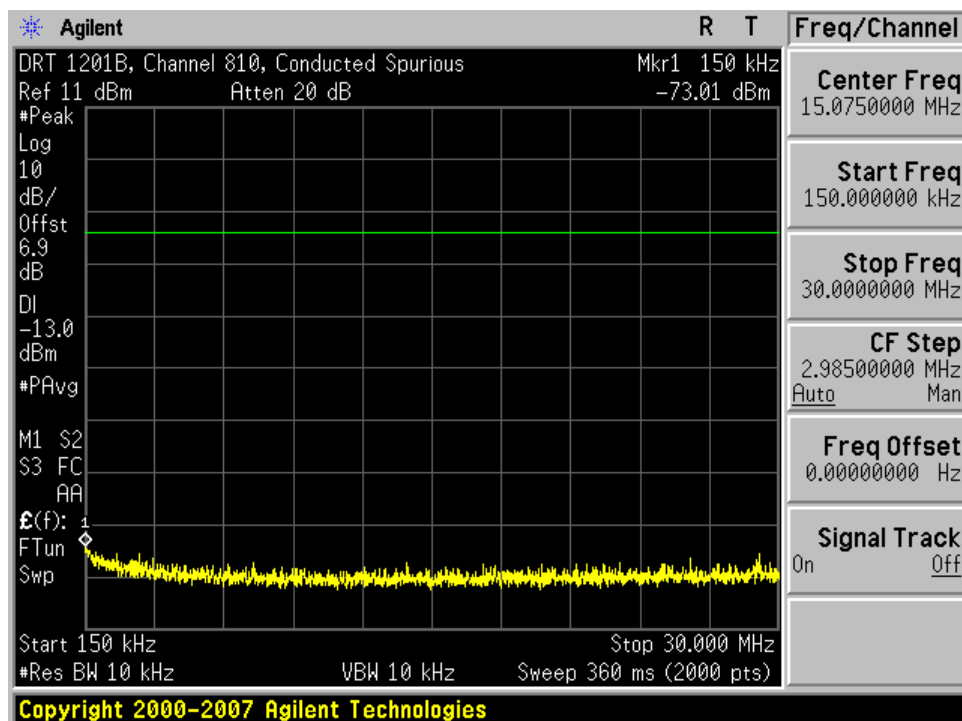


Plot 7-61. Conducted Spurious Plot (PCS GSM Mode – Ch. 810)

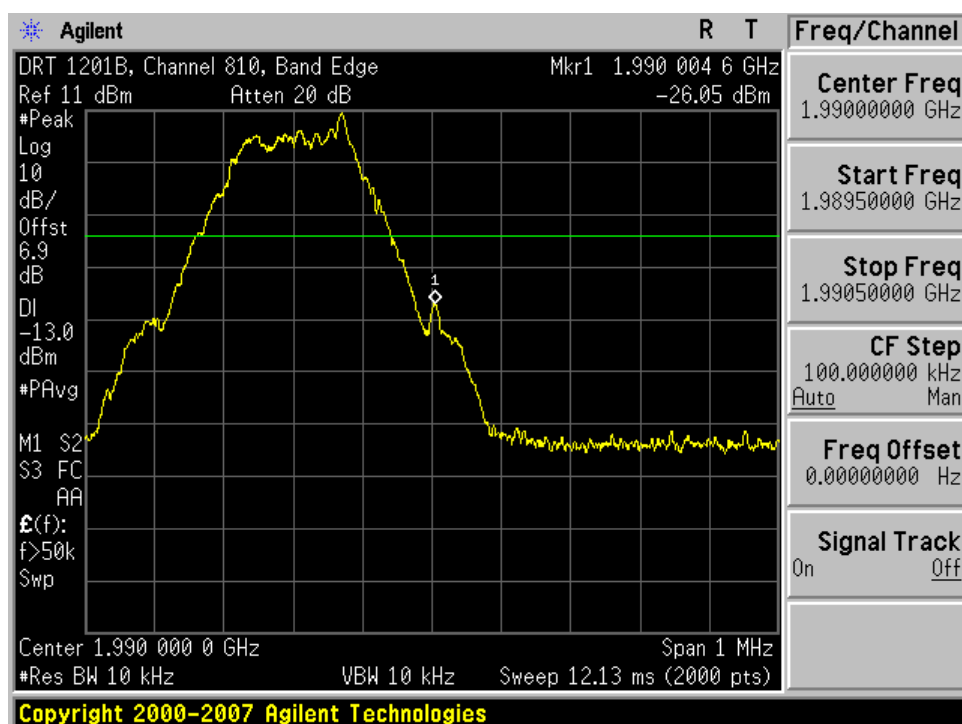


Plot 7-62. Conducted Spurious Plot (PCS GSM Mode – Ch. 810)



FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 65 of 83

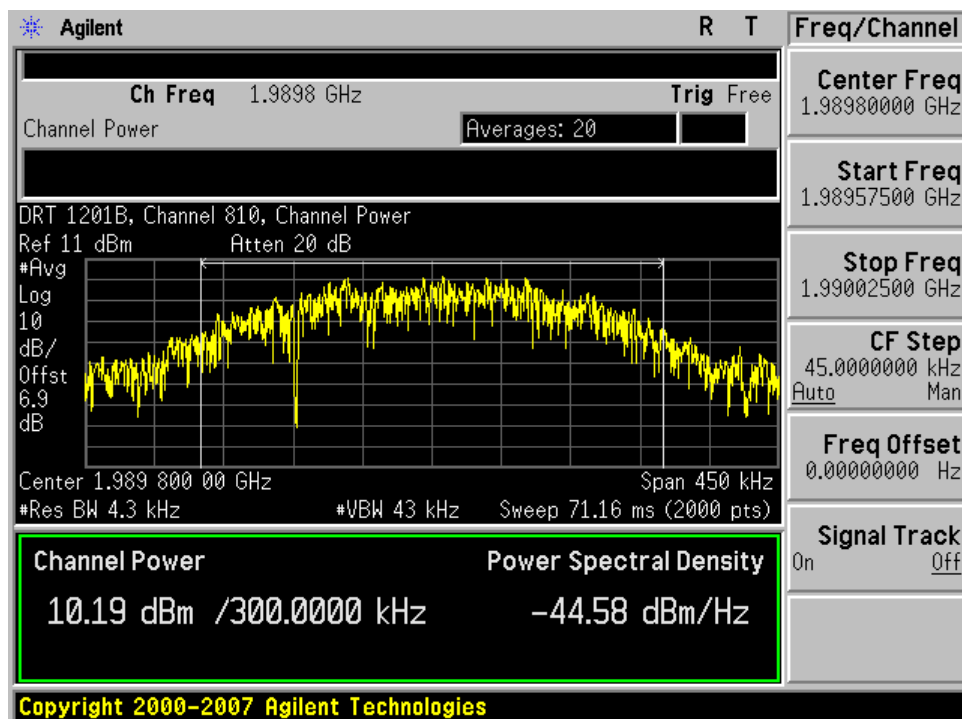


Plot 7-63. Conducted Spurious Plot (PCS GSM Mode – Ch. 810)

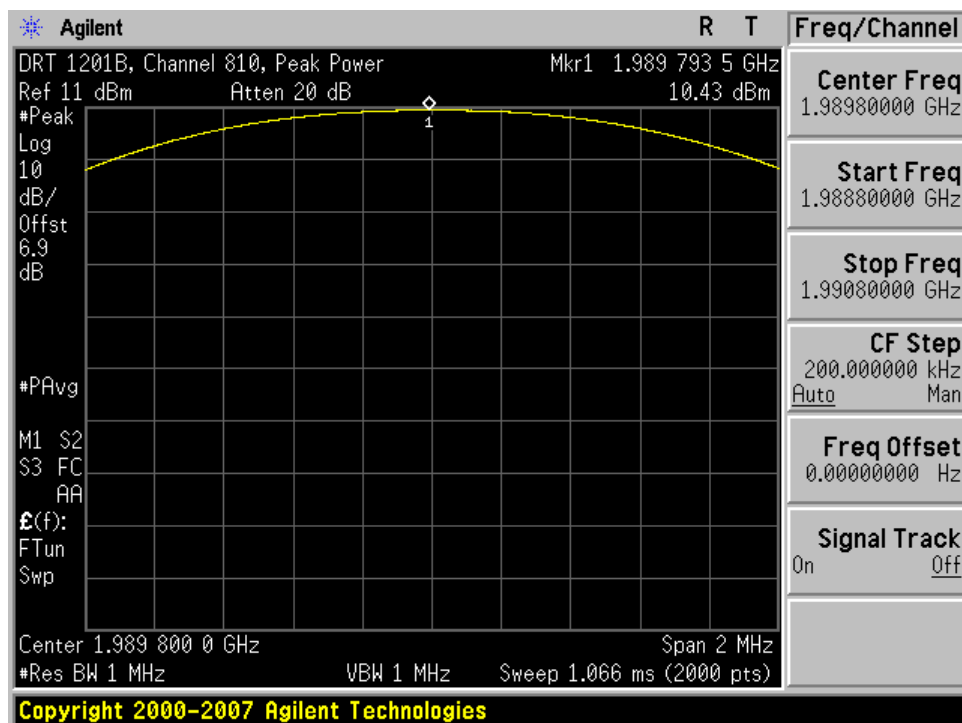


Plot 7-64. Band Edge Plot (PCS GSM Mode – Ch. 810)

FCC ID: TBD	 PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	 DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 66 of 83

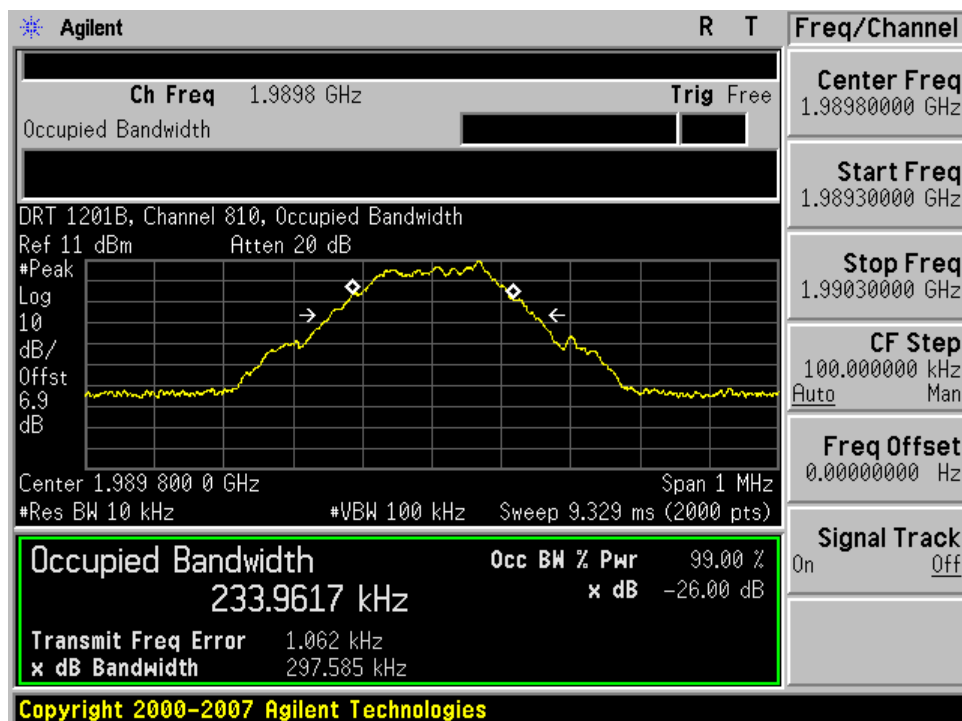


Plot 7-65. Channel Power (PCS GSM Mode – Ch. 810)

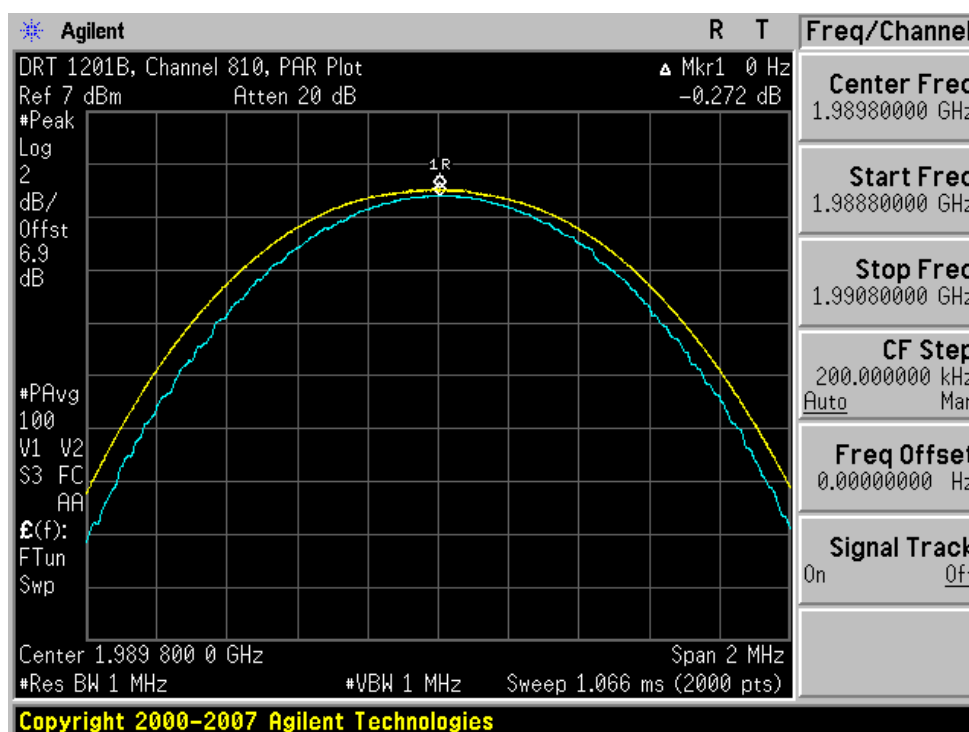


Plot 7-66. Output Power (PCS GSM Mode – Ch. 810)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 67 of 83



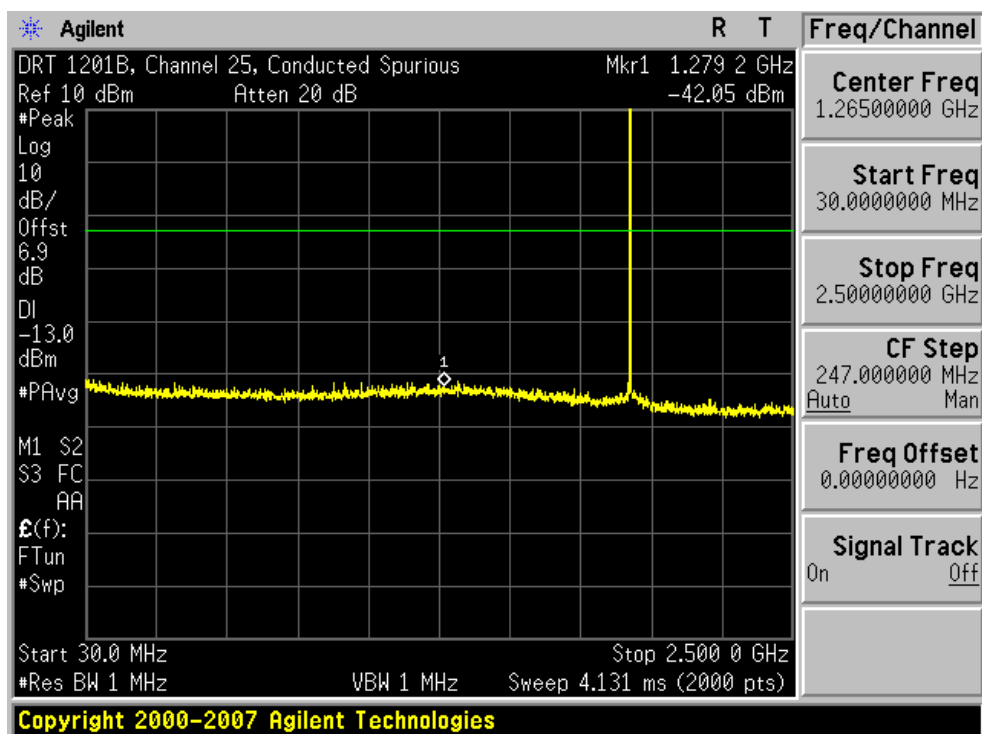
Plot 7-67. Occupied Bandwidth Plot (PCS GSM Mode – Ch. 810)



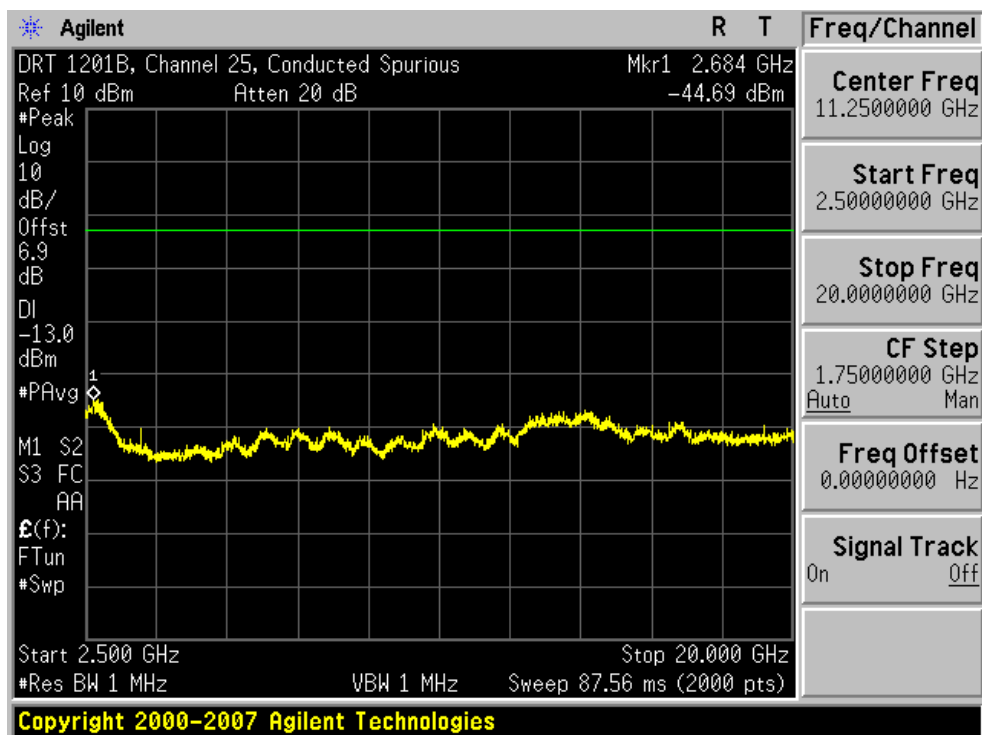
Plot 7-68. Peak-Average Ratio Plot (PCS GSM Mode – Ch. 810)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 68 of 83

7.4 PCS CDMA

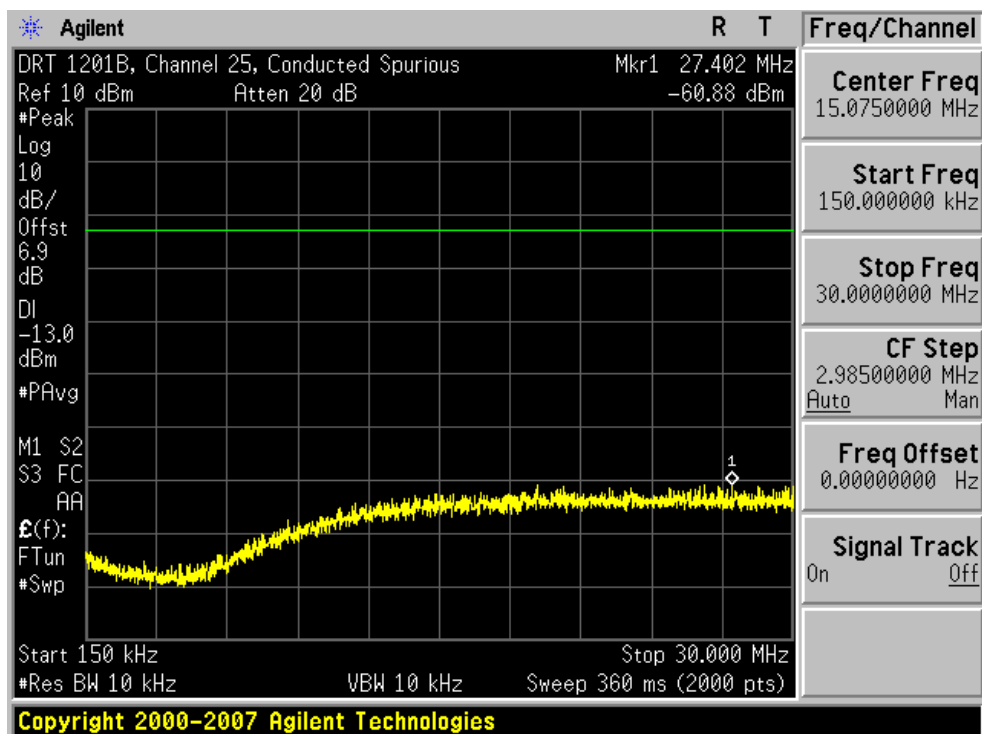


Plot 7-69. Conducted Spurious Plot (PCS CDMA Mode – Ch. 25)

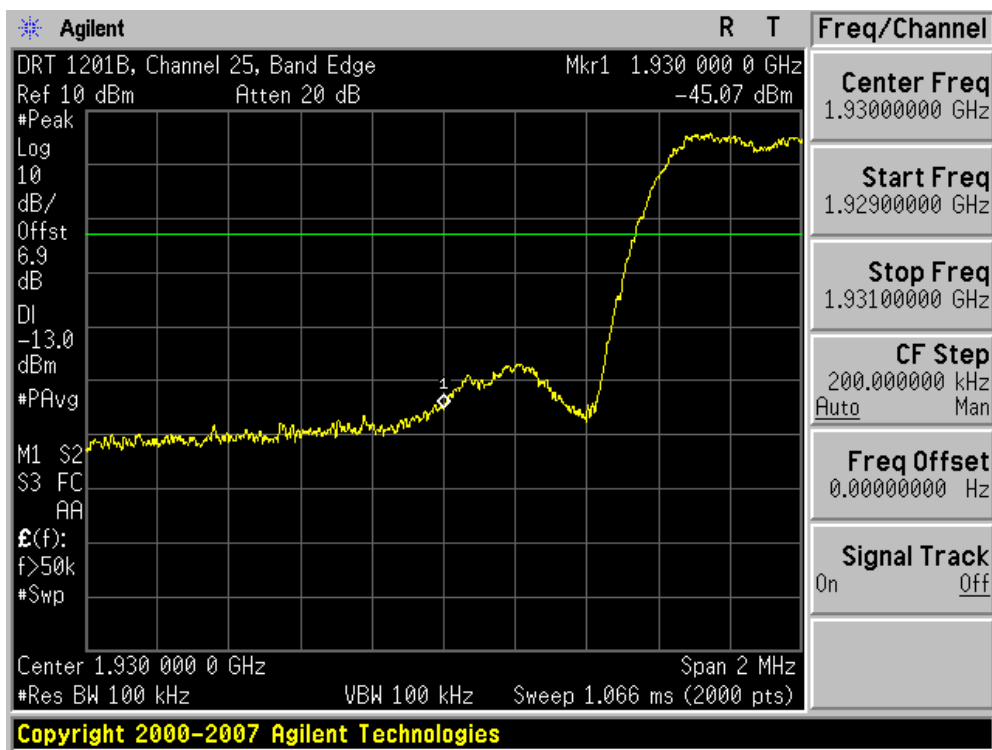


Plot 7-70. Conducted Spurious Plot (PCS CDMA Mode – Ch. 25)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 69 of 83

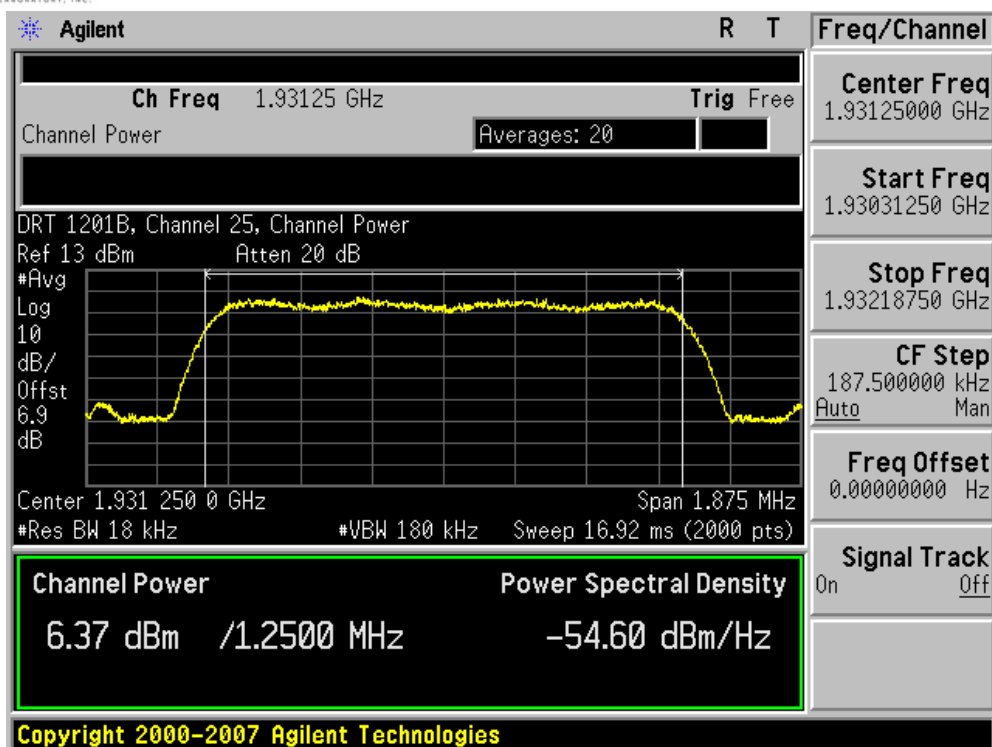


Plot 7-71. Conducted Spurious Plot (PCS CDMA Mode – Ch. 25)

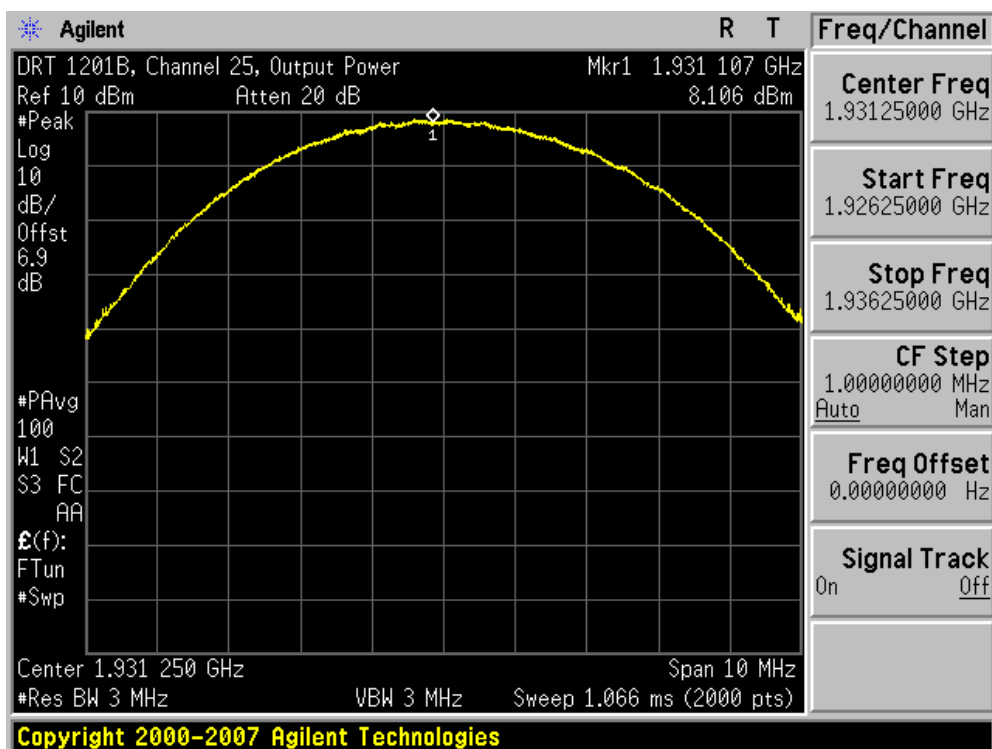


Plot 7-72. Band Edge Plot (PCS CDMA Mode – Ch. 25)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 70 of 83

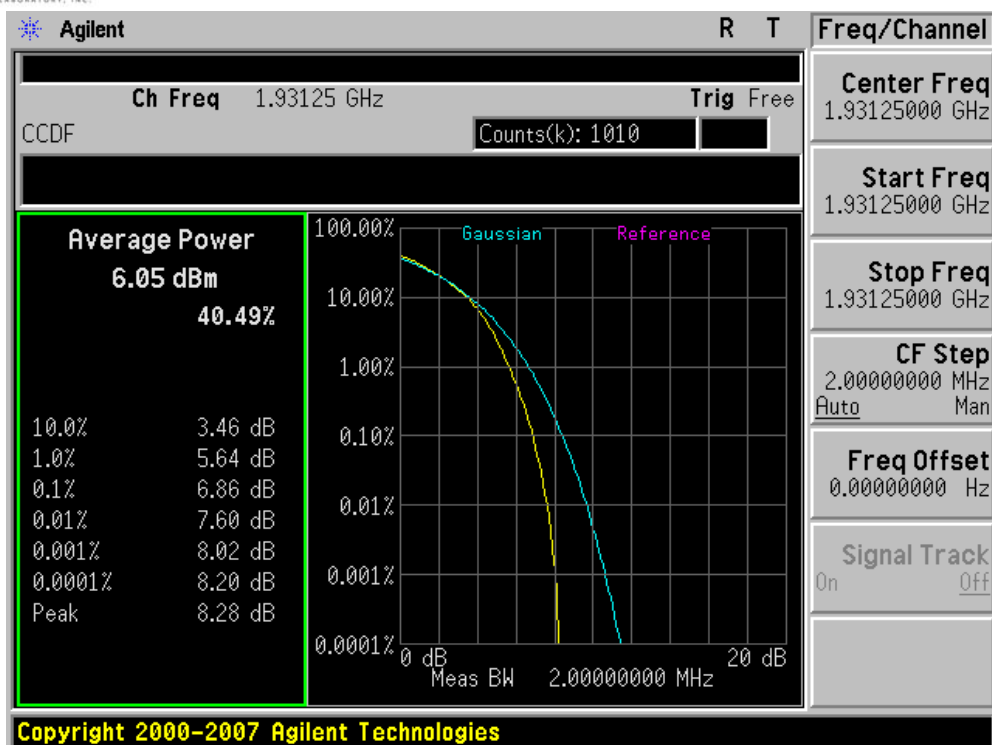


Plot 7-73. Channel Power (PCS CDMA Mode – Ch. 25)

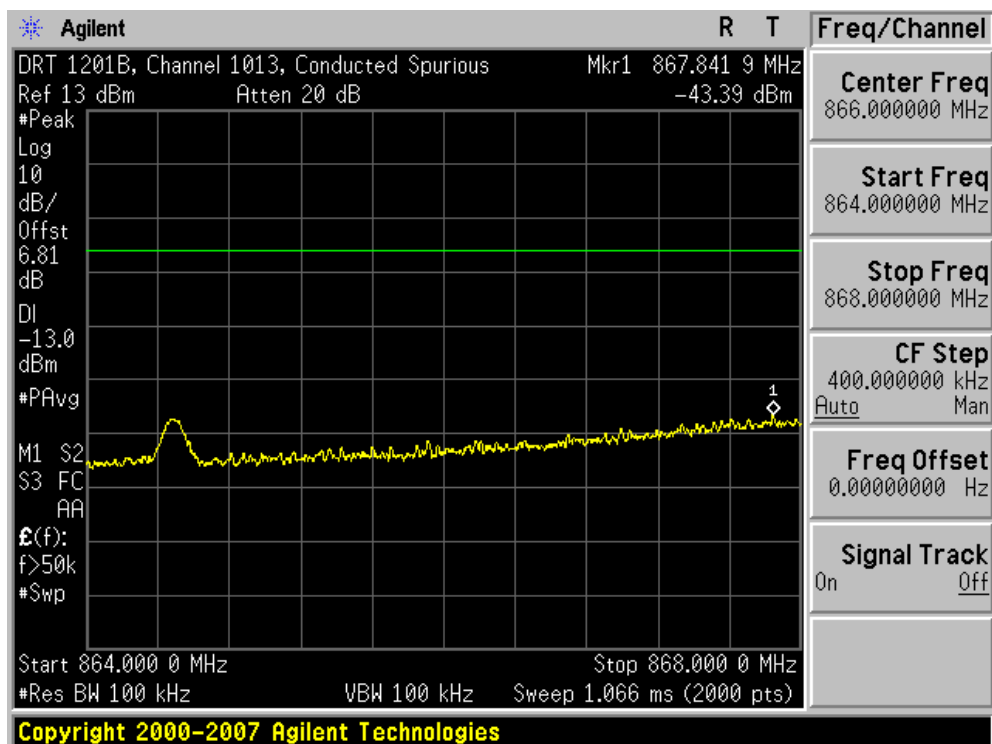


Plot 7-74. Peak Power (PCS CDMA Mode – Ch. 25)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 71 of 83

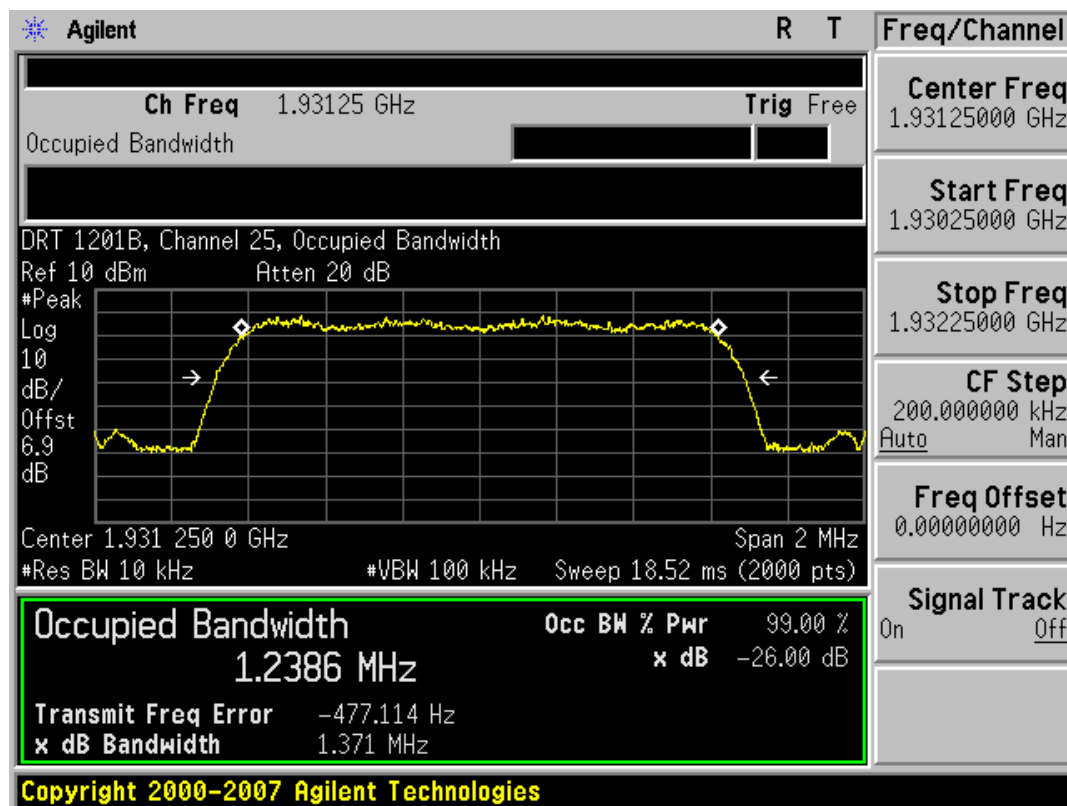


Plot 7-75. Peak-Average Ratio Plot (PCS CDMA Mode – Ch. 25)



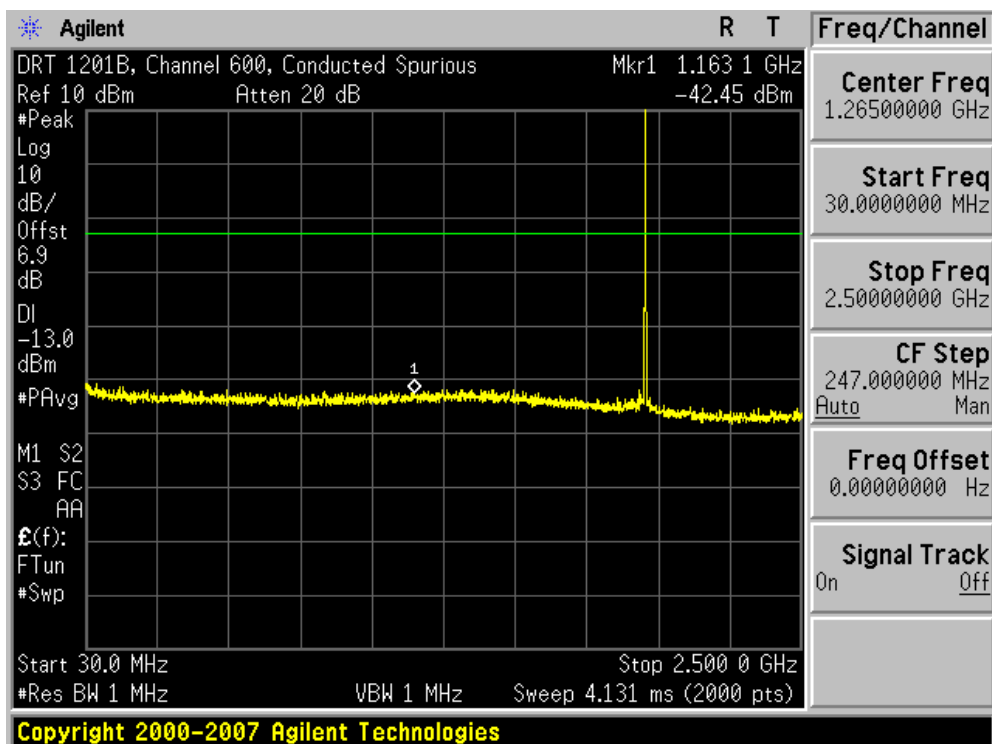
Plot 7-76. 4MHz Span Plot (PCS CDMA Mode – Ch. 25)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 72 of 83

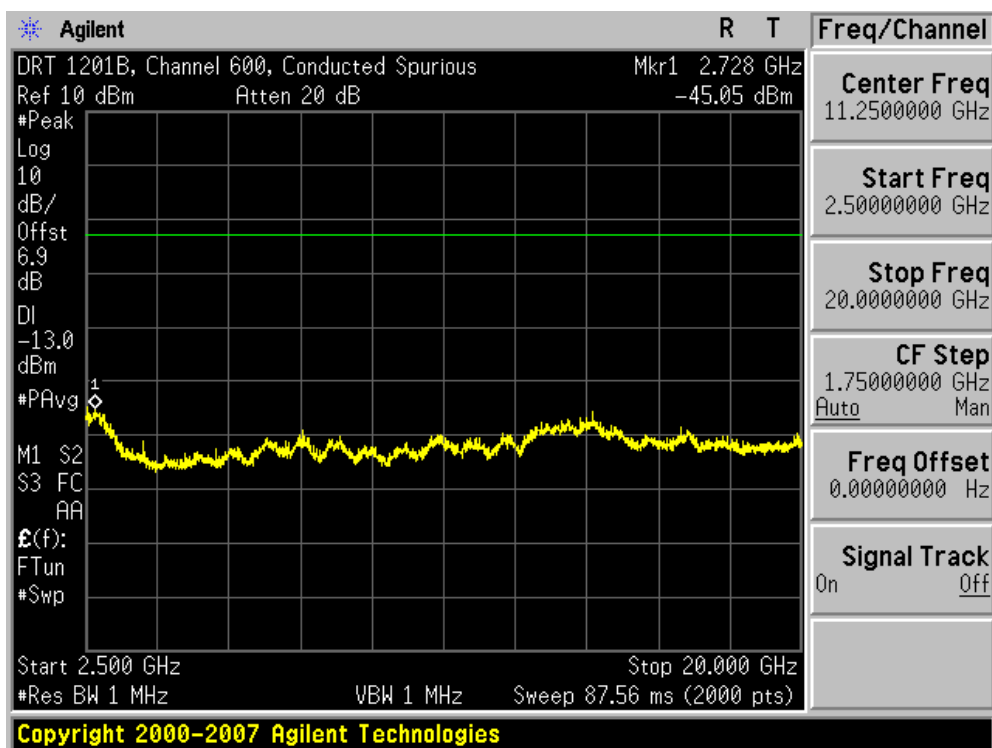


Plot 7-77. Occupied Bandwidth Plot (PCS CDMA Mode – Ch. 25)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 73 of 83

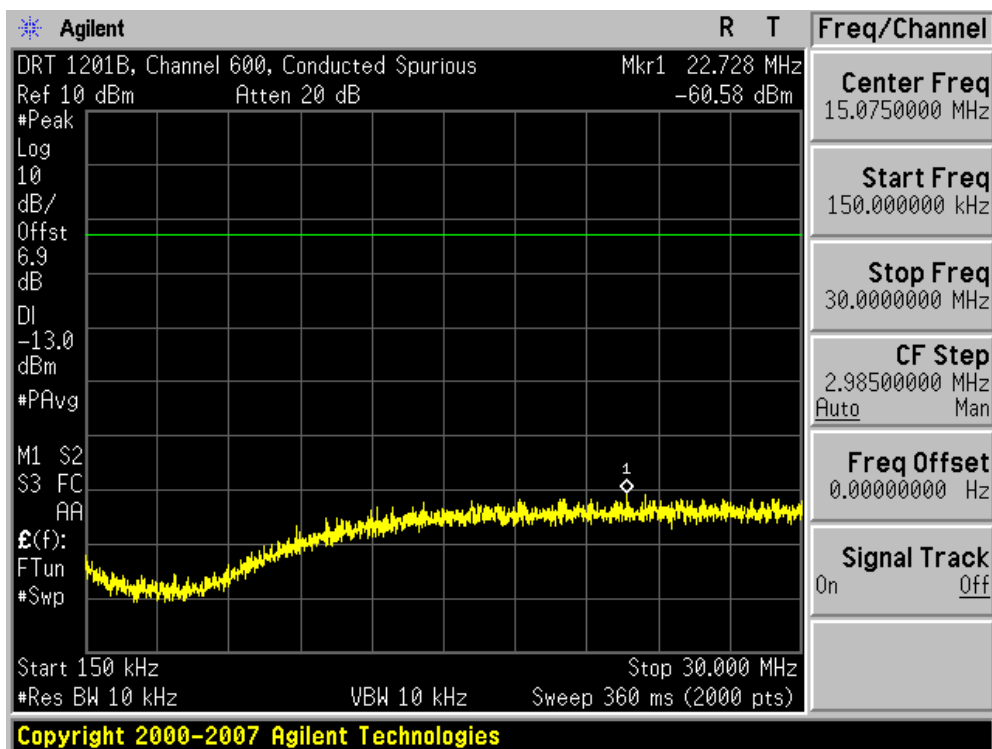


Plot 7-78. Conducted Spurious Plot (PCS CDMA Mode – Ch. 600)

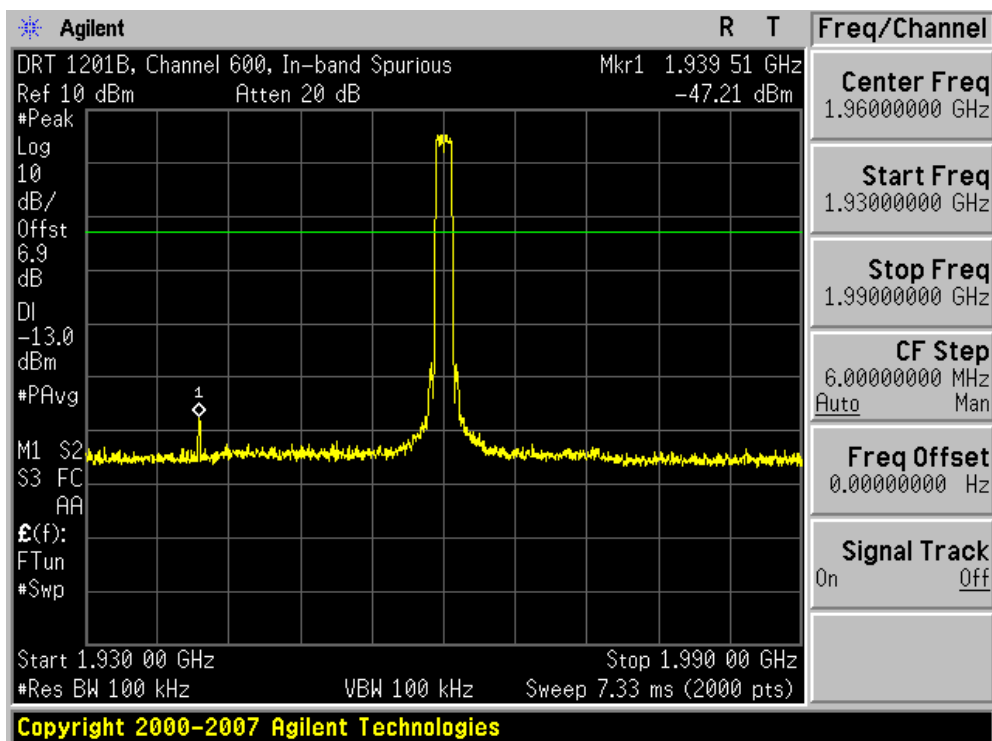


Plot 7-79. Conducted Spurious Plot (PCS CDMA Mode – Ch. 600)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 74 of 83

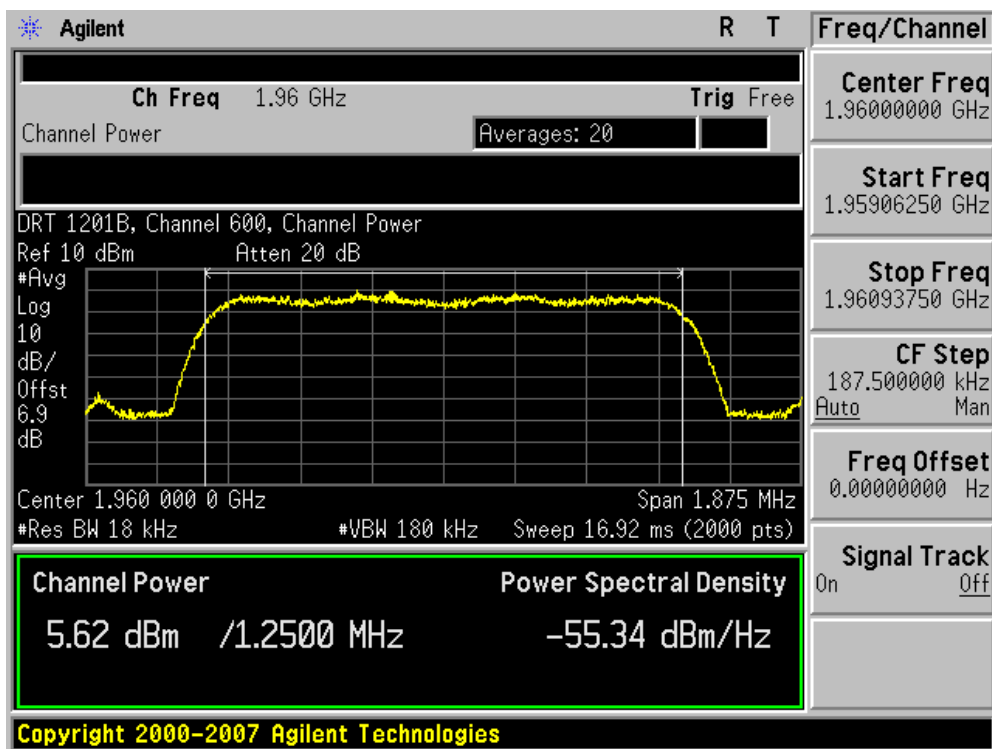


Plot 7-80. Conducted Spurious Plot (PCS CDMA Mode – Ch. 600)

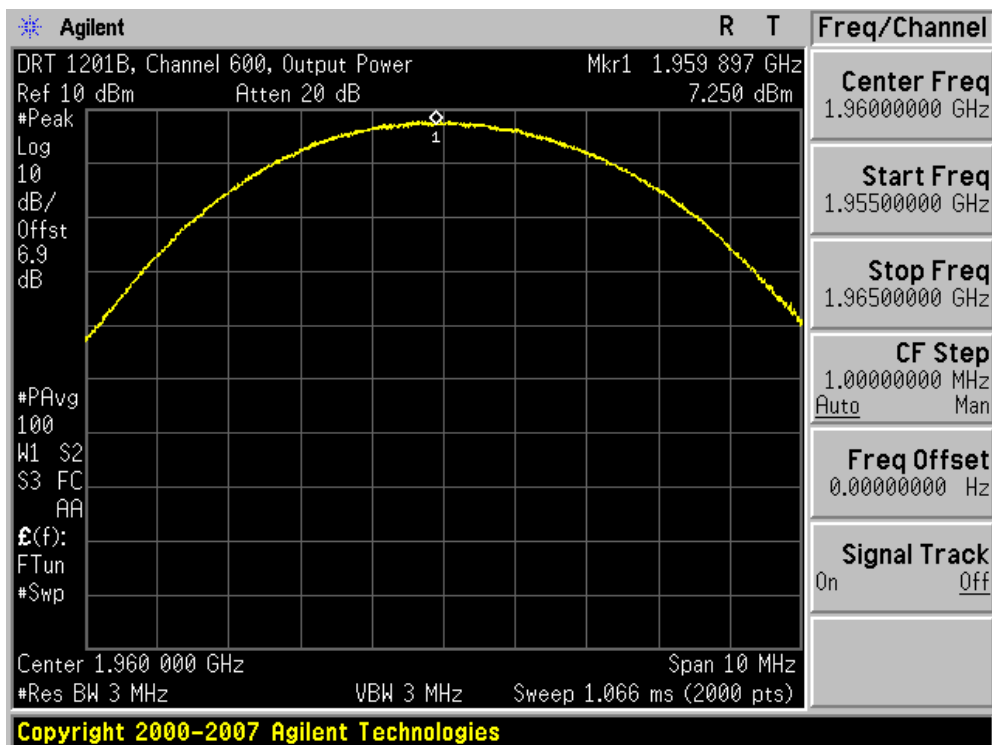


Plot 7-81. In-Band Spurious Plot (PCS CDMA Mode – Ch. 600)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 75 of 83

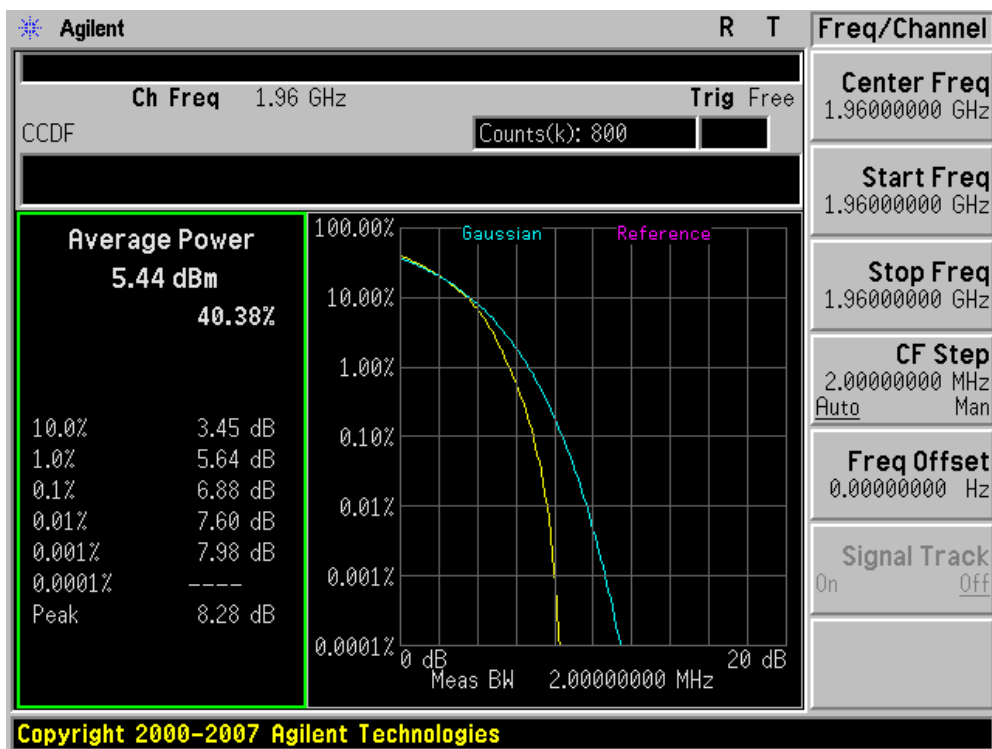


Plot 7-82. Channel Power (PCS CDMA Mode – Ch. 600)

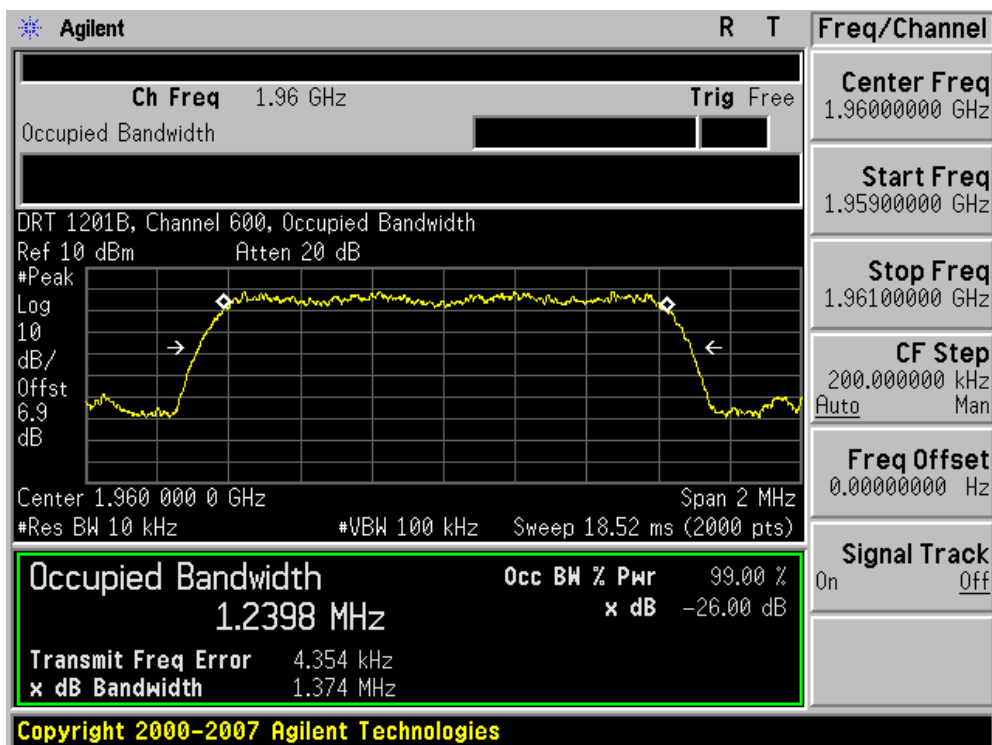


Plot 7-83. Output Power (PCS CDMA Mode – Ch. 600)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 76 of 83

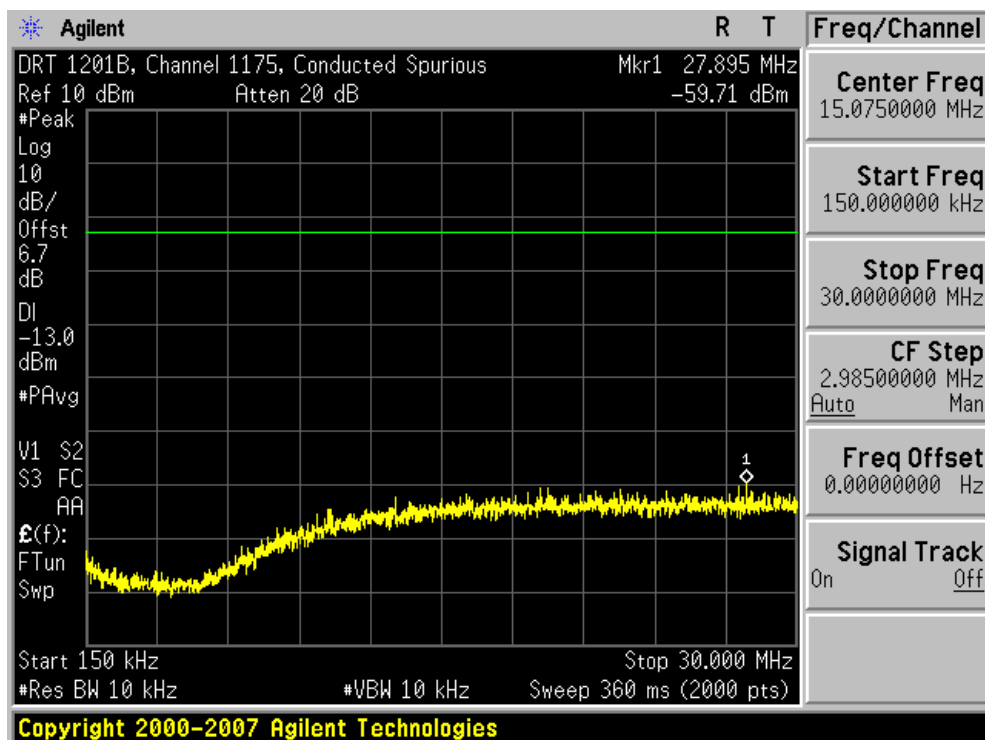


Plot 7-84. Peak-Average Ratio Plot (PCS CDMA Mode – Ch. 600)

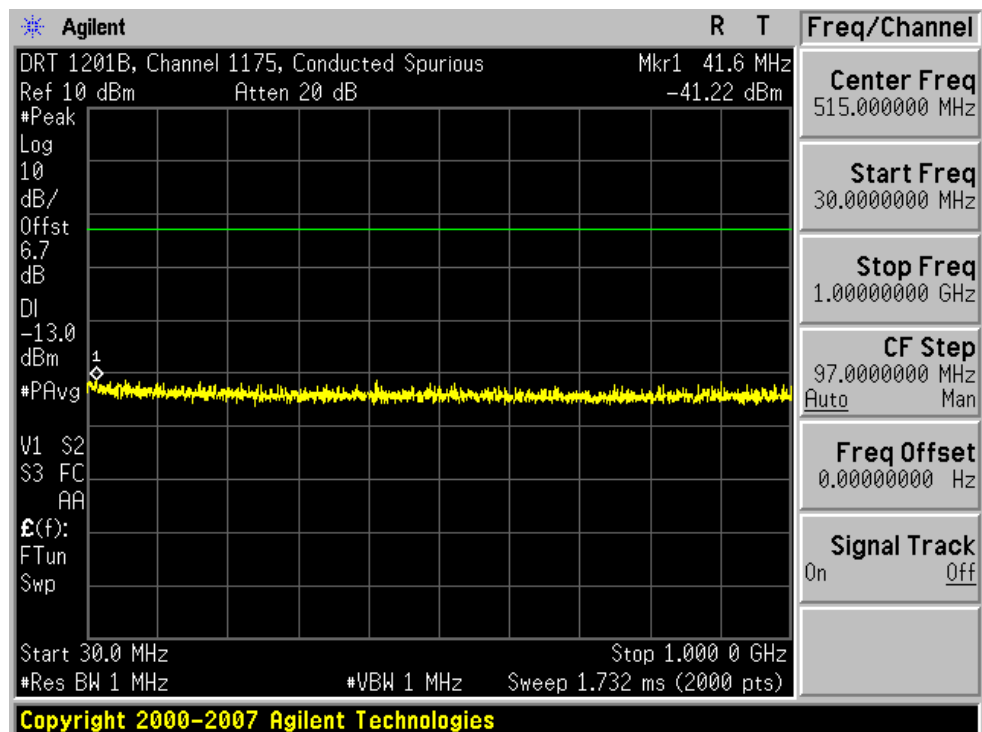


Plot 7-85. Occupied Bandwidth Plot (PCS CDMA Mode – Ch. 600)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 77 of 83

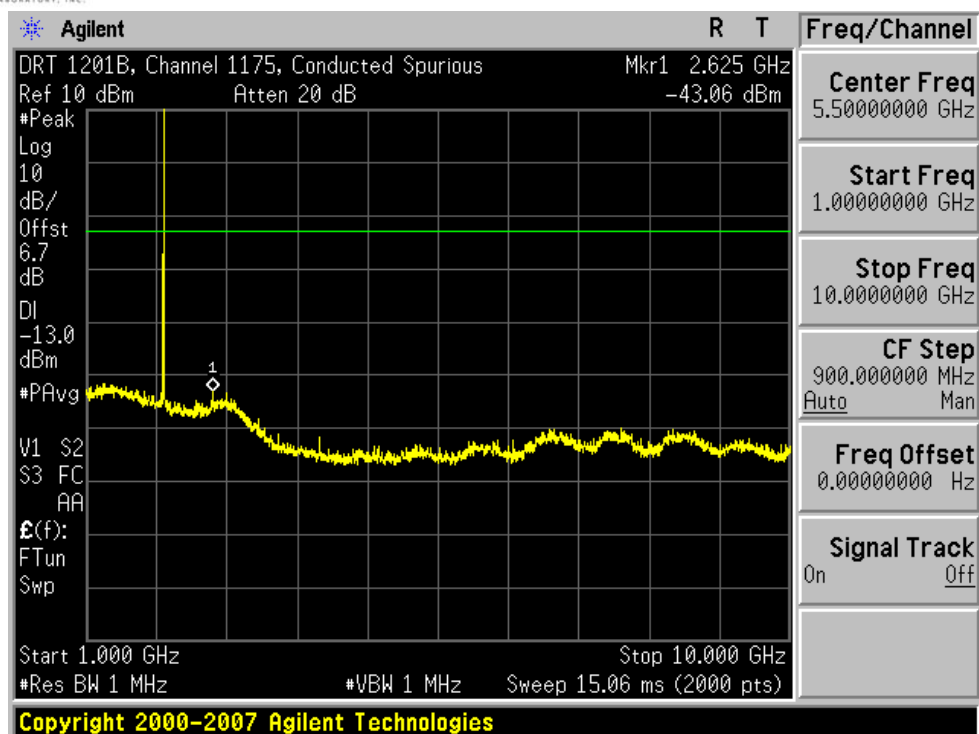


Plot 7-86. Conducted Spurious Plot (PCS CDMA Mode – Ch. 1175)

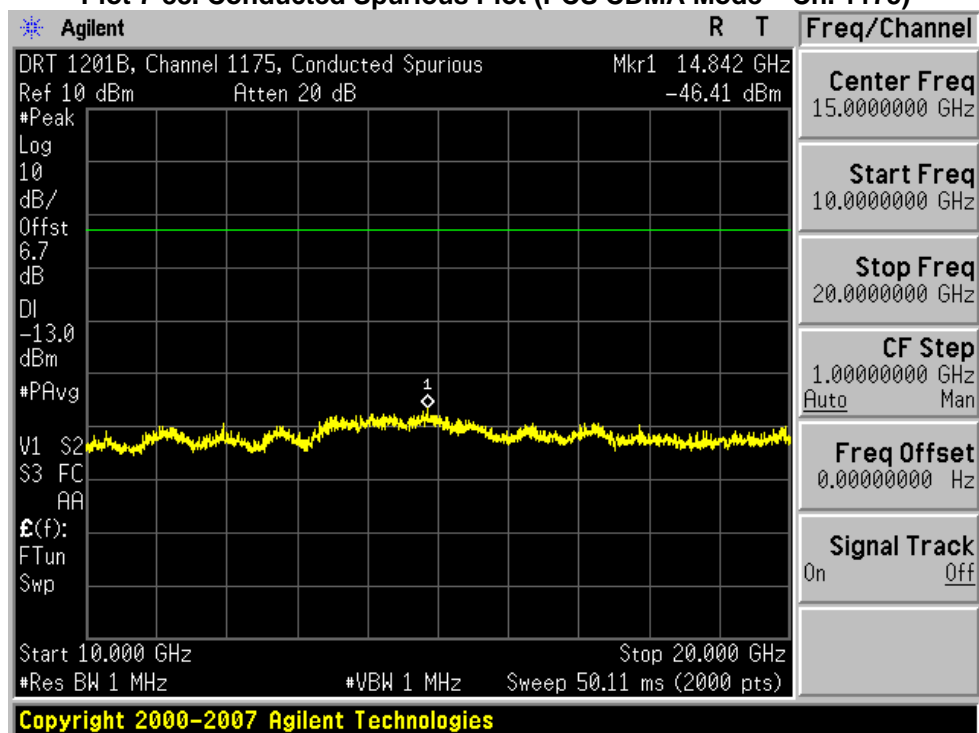


Plot 7-87. Conducted Spurious Plot (PCS CDMA Mode – Ch. 1175)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 78 of 83

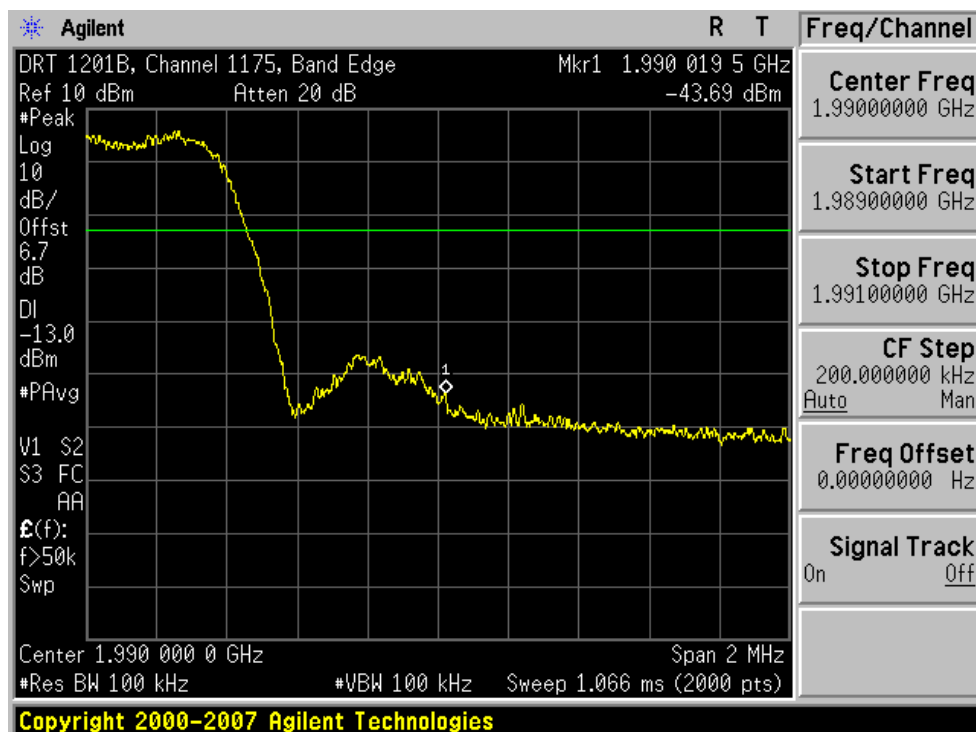


Plot 7-88. Conducted Spurious Plot (PCS CDMA Mode – Ch. 1175)

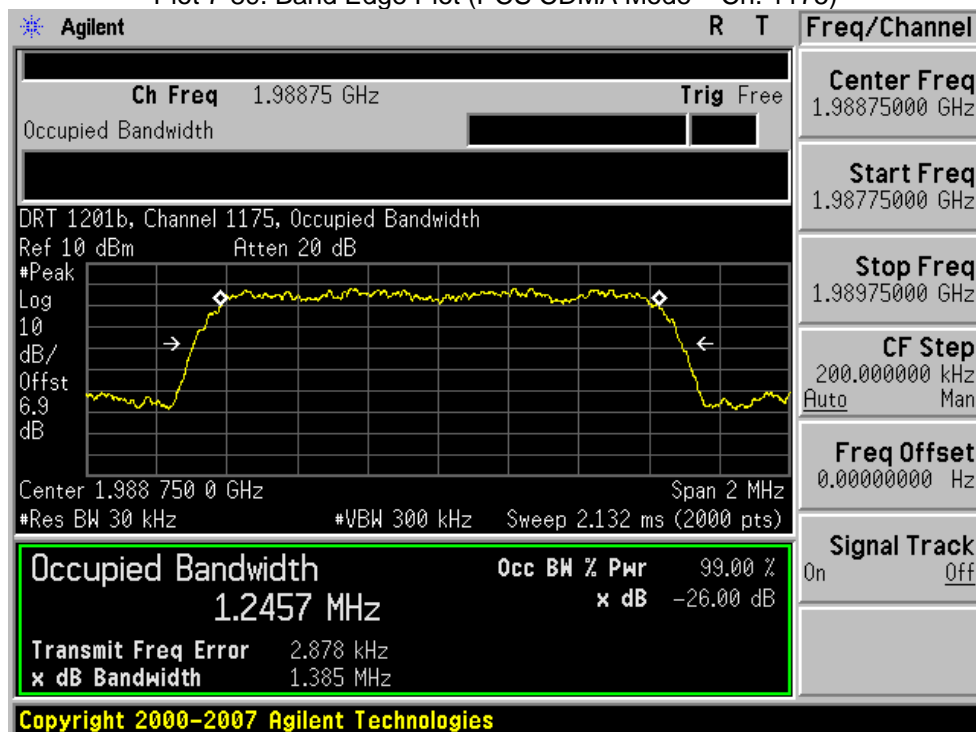


Plot 7-88. Conducted Spurious Plot (PCS CDMA Mode – Ch. 1175)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 79 of 83

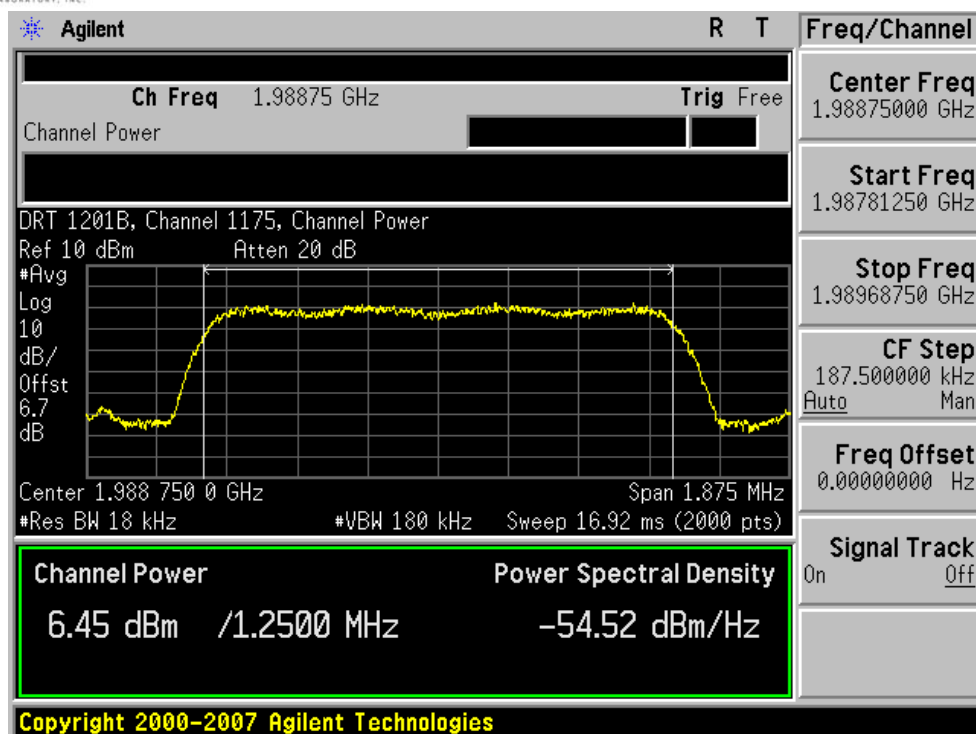


Plot 7-89. Band Edge Plot (PCS CDMA Mode – Ch. 1175)

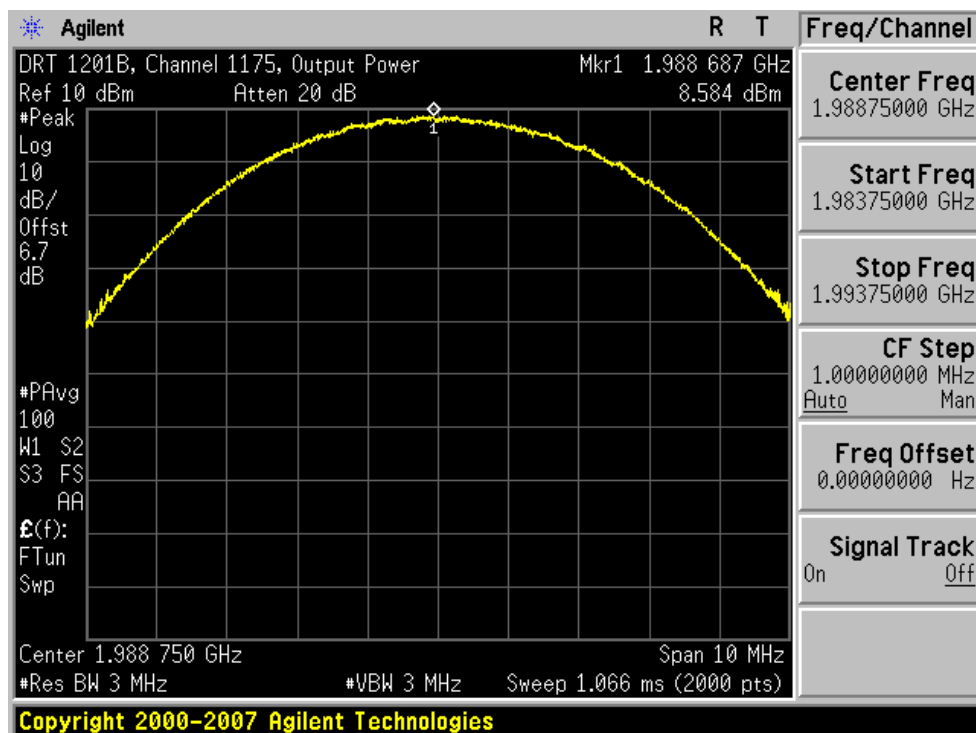


Plot 7-90. Occupied Bandwidth Plot (PCS CDMA Mode – Ch. 1175)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 80 of 83

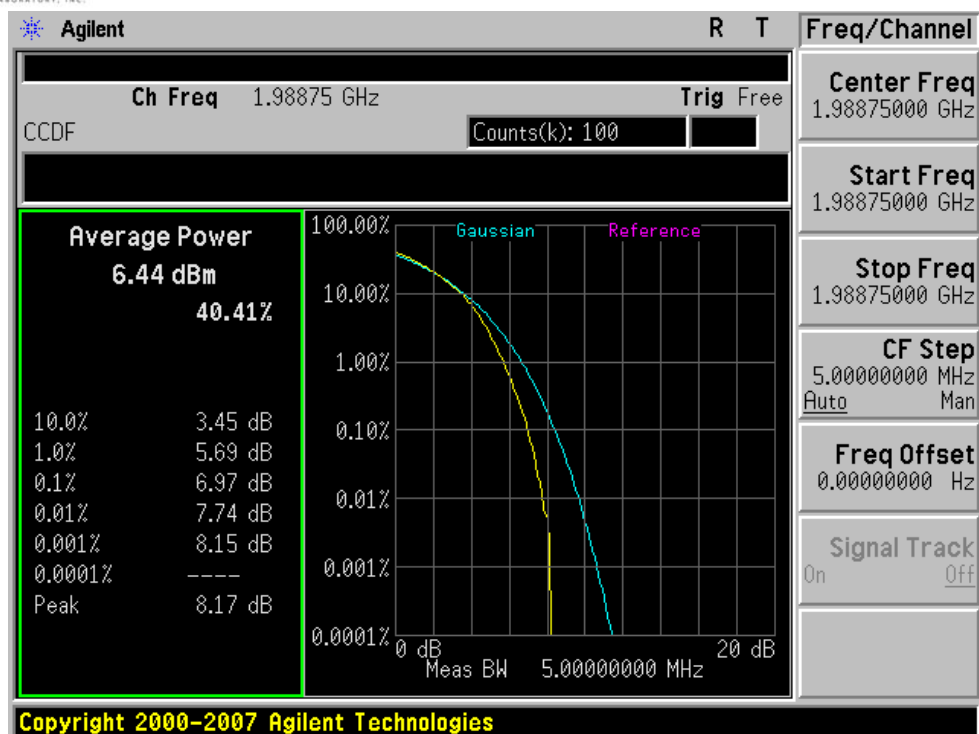


Plot 7-91. Channel Power (PCS CDMA Mode – Ch. 1175)

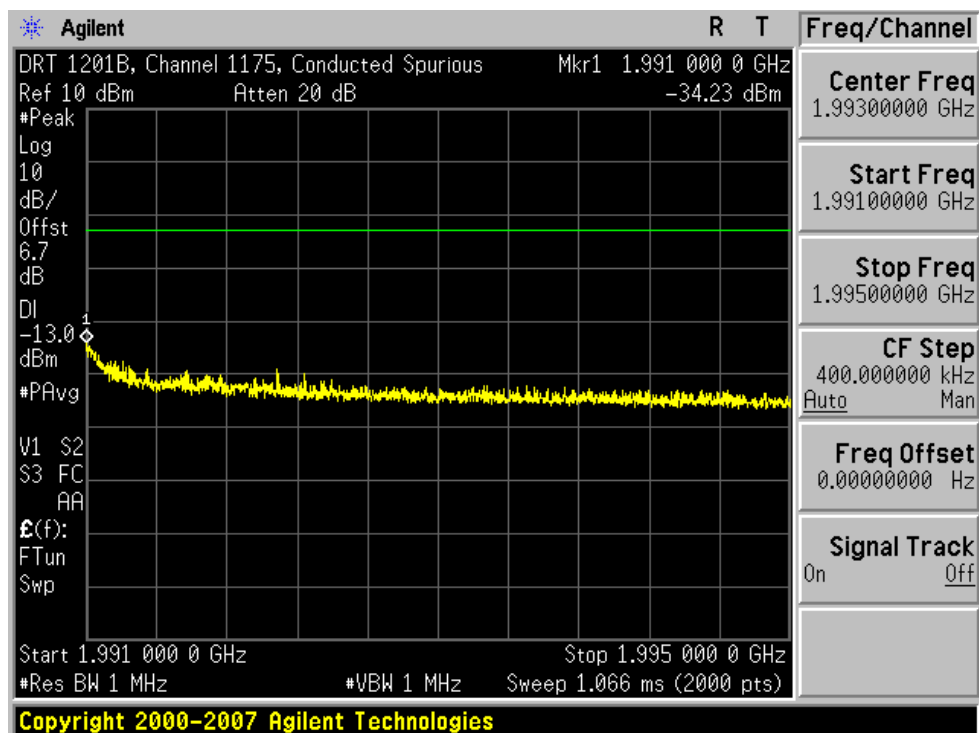


Plot 7-92. Output Power (PCS CDMA Mode – Ch. 1175)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 81 of 83



Plot 7-93. Peak-Average Ratio Plot (PCS CDMA Mode – Ch. 1175)





Plot 7-94. 4MHz Span Plot (PCS CDMA Mode – Ch. 1175)

FCC ID: TBD	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)	DRT Digital Receiver Technology, Inc.	Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 82 of 83

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **DRT Portable Base Station Model: 1201B FCC ID: TBD** complies with all the requirements of Parts 2, 22, and 24 of the FCC rules.

FCC ID: TBD		FCC Pt. 22/24 GSM/CDMA MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0903030371.DRT	Test Dates: February 24 - March 12, 2009	EUT Type: Portable Base Station		Page 83 of 83