RF TEST REPORT

Test item	:	Cellular/PCS GSM/GPRS phone with Bluetooth and WLAN
Model No.	:	LG-T505, T505, LGT505
Order No.	:	1103-00374
Date of receipt	:	2011-03-26
Test duration	:	2011-04-04 ~ 2011-04-13
Date of issue	:	2011-04-19
Use of report	:	Original Grant

Applicant : LG Electronics, Inc.
60-39, Gasan-dong, Gumchon-gu, Seoul, 153-023, Korea

Test laboratory : Digital EMC Co., Ltd.
683-3, Yubang-Dong, Cheoin-Gu, Yongin-Si, Kyunggi-Do, 449-080, Korea

Test specification	:	§22(H), §24(E)
Test environment	:	See appended test report
Test result	:	☒ Pass ☐ Fail

Tested by:	Witnessed by:	Reviewed by:
Engineer S.K. Ryu	N/A	Manager W.J. Lee

Test Report Version

Test Report No.	Date	Description
DRTFCC1104-0169	Apr 19, 2011	Final version for approval

Table of Contents

1. GENERAL INFORMATION

Applicant Name: **LG Electronics, Inc.**

Address: **60-39, Gasan-dong, Gumchon-gu, Seoul, 153-023, Korea**

FCC ID	:	BEJT505
FCC Classification	:	Licensed Portable Transmitter Held to Ear (PCE)
EUT Type	:	Cellular/PCS GSM/GPRS phone with Bluetooth and WLAN
Model Name	:	LG-T505
Add Model Name	:	T505
Supplying power	:	Standard Battery - Type: Li-Ion Battery - M/N: LGIP-531A - Rating: DC 3.7V & 950mAh 3.6Wh
Antenna Information	:	Internal Antenna - Type: Built-In type
Tx Frequency	:	GSM850: 824.2 ~ 848.8 MHz GSM1900: 1850.2 ~ 1909.8 MHz
Rx Frequency	:	GSM850: 869.2 ~ 893.8 MHz GSM1900: 1930.2 ~ 1989.8 MHz
Max. RF Output Power	:	GSM850: 0.774W ERP(28.89dBm) GSM1900: 1.119W EIRP(30.49dBm)
Emission Designator(s)	:	GSM850: 249KGXW GSM1900: 246KGXW

2. INTRODUCTION

2.1. EUT DESCRIPTION

The Equipment Under Test(EUT) supports a dual band(Cellular/PCS) with GSM/GPRS/EDGE only RX, Bluetooth and WiFi(802.11b/g).

2.2. MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

2.3. TEST FACILITY

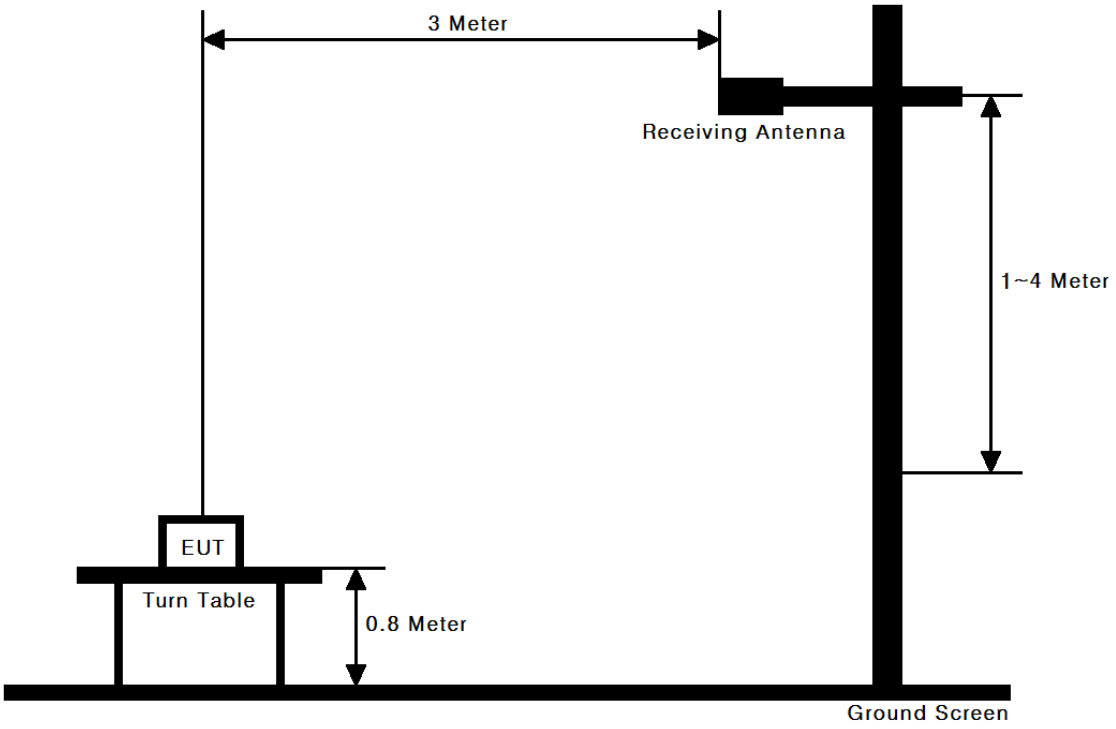
The 10m Chamber and conducted measurement facility used to collect the radiated data are located at the 683-3, Yubang-Dong, Yongin-Si, Gyunggi-Do, 449-080, South Korea. The site is constructed in conformance with the requirements.

- 10m Chamber registration Number: 678747

3. DESCRIPTION OF TESTS

3.1 ERP & EIRP
(Effective Radiated Power & Equivalent Isotropic Radiated Power)

Test Set-up



Test Procedure

These measurements were performed outdoors at 3meter test range. The equipment under test is placed on a wooden turntable 0.8-meters above the ground plane and 3-meters from the receive antenna.

The receive antenna height and turntable rotations were adjusted for the highest reading on the receive spectrum analyzer.

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.

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.

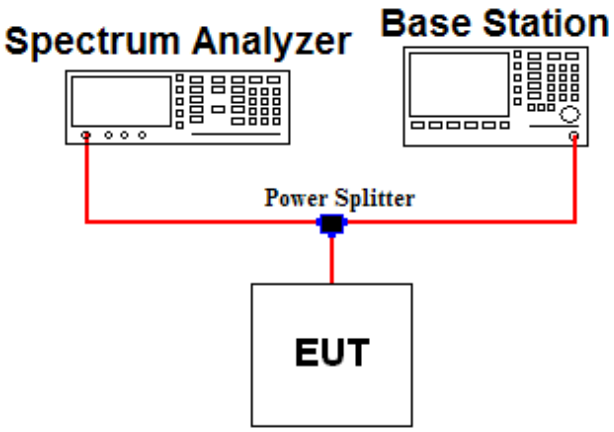
3.2 PEAK TO AVERAGE RATIO

A peak to average ratio measurement is performed at the conducted port of the EUT. For CDMA and WCDMA 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. Plots of the EUT's Peak- to- Average Ratio are shown herein.

3.3 OCCUPIED BANDWIDTH.

Test set-up

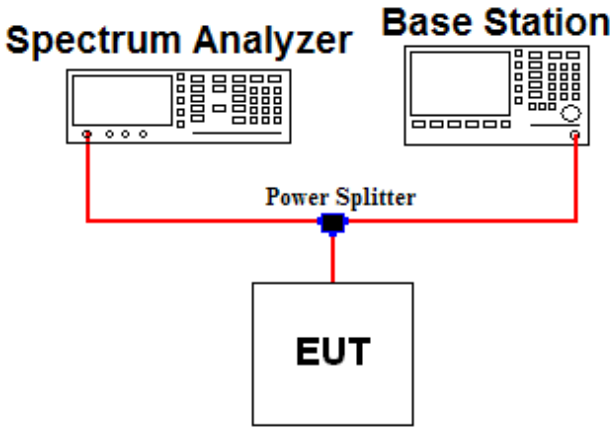


Test Procedure

The EUT was setup to maximum output power at its lowest channel. The occupied bandwidth was measured using a spectrum analyzer. The measurements are repeated for the highest and a middle channel. The EUT's occupied bandwidth is measured as the width of the signal between two points, one below the carrier center frequency and one above the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Plots of the EUT's occupied bandwidth are shown herein.

3.4 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL.

Test set-up



Test Procedure

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer.

The EUT was setup to maximum output power at its lowest channel. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. The Resolution BW of the analyzer is set to 1 % of the emission bandwidth to show compliance with -13dBm limit [43+10log(P)], in the 1 MHz bands immediately outside and adjacent to the edge of the frequency block.

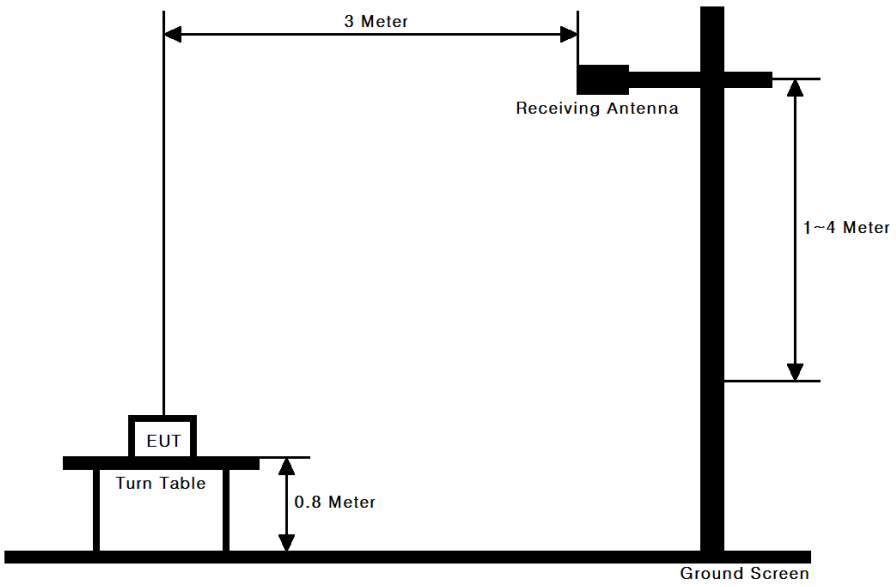
A display line was placed at -13dBm to show compliance. The high, lowest and a middle channel were tested for out of band measurements.

Band Edge Requirement

In the 1MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.

3.5 RADIATED SPURIOUS EMISSIONS

Test Set-up



Test Procedure

This measurement was performed outdoors at 3meter test range. The equipment under test is placed on a wooden turntable 0.8-meters above the ground plane and 3-meters from the receive antenna.

The receive antenna height and turntable rotations were adjusted for the highest reading on the receive spectrum analyzer.

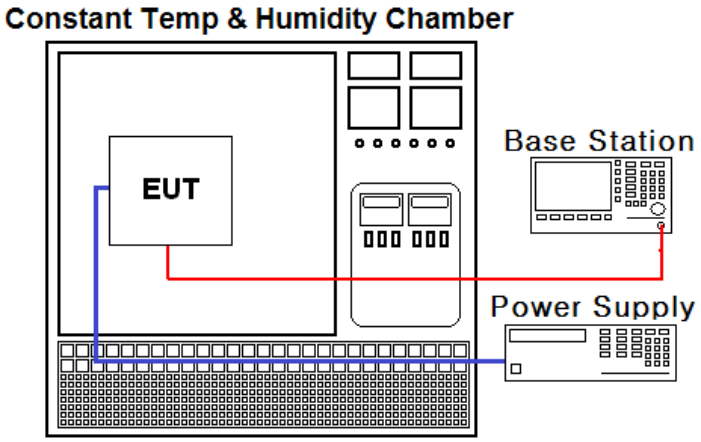
For radiated power measurements below 1GHz, a half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading.

For radiated power measurements above 1GHz, a Horn antenna was substituted in place of the EUT. This Horn antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. The difference between the gain of the horn and an isotropic antenna are taken into consideration.

This measurement was performed with the EUT oriented in 3 orthogonal axis.

3.6 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

Test Set-up



Test Procedure

The frequency stability of the transmitter is measured by:

a.) **Temperature:** The temperature is varied from - 30 °C to + 50 °C using an environmental chamber.

b.) **Primary Supply Voltage:** The primary supply voltage is varied from battery end point to 115 % of the voltage normally at the input to the device or at the power supply terminals if cables are not normally supplied.

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 ± 0.000 25 %(± 2.5 ppm) of the center frequency.

Time Period and Procedure:

The carrier frequency of the transmitter is measured at room temperature.
(25°C to provide a reference).

1. 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.

2. 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.

NOTE: The EUT is tested down to the battery endpoint.

4. LIST OF TEST EQUIPMENT

Type	Manufacturer	Model	Cal.Date (dd/mm/yy)	Next.cal.Date (dd/mm/yy)	S/N
Spectrum Analyzer	Agilent	E4440A	30/09/10	30/09/11	MY45304199
Spectrum Analyzer	Agilent	N9020A	07/01/11	07/01/12	MY49100833
Power Splitter	Anritsu	K241B	05/10/10	05/10/11	020611
TEMP & HUMIDITY Chamber	JISCO	KR-100/J-RHC2	04/10/10	04/10/11	30604493/021031
Digital Multimeter	H.P	34401A	07/03/11	07/03/12	3146A13475, US36122178
Signal Generator	Rohde Schwarz	SMR20	08/03/11	08/03/12	101251
Vector Signal Generator	Rohde Schwarz	SMJ100A	11/01/11	11/01/12	100148
8960 Series 10 Wireless Comms. Test Set	Agilent	E5515C	02/07/10	02/07/11	GB43461134
Universal Radio communication Tester	Rohde Schwarz	CMU 200	07/03/11	07/03/12	106760
Thermo hygrometer	BODYCOM	BJ5478	13/01/11	13/01/12	090205-2
DC Power Supply	HP	6622A	07/03/11	07/03/12	3448A03760
High-pass filter	Wainwright	WHNX2.1	N/A	N/A	1
Tunable Notch Filter	Wainwright	WRCT800.0 /960.0-0.2/40-8SSK	N/A	N/A	32
Tunable Notch Filter	Wainwright	WRCD1700.0 /2000.0-0.2/40-10SSK	N/A	N/A	53
HORN ANT	ETS	3115	04/10/10	04/10/11	21097
HORN ANT	ETS	3115	14/07/10	14/07/11	6419
HORN ANT	Schwarzbeck	BBHA9120A	13/04/10	13/04/11	322
HORN ANT	A.H.Systems	SAS-574	10/06/09	10/06/11	154
HORN ANT	A.H.Systems	SAS-574	10/06/09	10/06/11	155
Dipole Antenna	Schwarzbeck	VHA9103	29/11/10	29/11/11	2116
Dipole Antenna	Schwarzbeck	VHA9103	29/11/10	29/11/11	2117
Dipole Antenna	Schwarzbeck	UHA9105	29/11/10	29/11/11	2261
Dipole Antenna	Schwarzbeck	UHA9105	29/11/10	29/11/11	2262
Attenuator (3dB)	WEINSCHEL	56-3	05/10/10	05/10/11	Y2342
Attenuator (10dB)	WEINSCHEL	23-10-34	01/10/10	01/10/11	BP4386
Attenuator (10dB)	WEINSCHEL	31696	05/10/10	05/10/11	446
Amplifier (30dB)	Agilent	8449B	23/04/10	23/04/11	3008A01590
Amplifier	EMPOWER	BBS3Q7ELU	04/10/10	04/10/11	1020
BICONICAL ANT.	Schwarzbeck	VHA 9103	06/10/09	06/10/11	91031946
LOG-PERIODIC ANT.	Schwarzbeck	UHALP9108A	07/07/10	07/07/11	590
Amplifier (25dB)	Agilent	8447D	07/03/11	07/03/12	2944A10144

5. SUMMARY OF TEST RESULTS

FCC Part Section(s)	Parameter	Status Note 1
2.1046	Conducted Output Power	C
22.913(a) 24.232(c)	Effective Radiated Power Equivalent Isotropic Radiated Power	C
22.917(a) 24.238(a) 2.1049	Occupied Bandwidth	C
22.917(a) 24.238(a) 2.1051	Band Edge Spurious and Harmonic Emissions at Antenna Terminal	C
24.232(d)	Peak to Average Ratio	C
22.917(a) 24.238(a) 2.1053	Radiated Spurious and Harmonic Emissions	C
22.355 24.235 2.1055	Frequency Stability	C

Note 1: **C**=Comply **NC**=Not Comply **NT**=Not Tested **NA**=Not Applicable

The sample was tested according to the following specification:
ANSI C-63.4-2003, ANSI/TIA/EIA-603-C-2004

6. SAMPLE CALCULATION

A. Emission Designator

GSM850 Emission Designator

Emission Designator = 249**KGXW**
GSM OBW = 248.6180 kHz
(Measured at the 99.75% power bandwidth)
G = Phase Modulation
X = Cases not otherwise covered
W = Combination (Audio/Data)

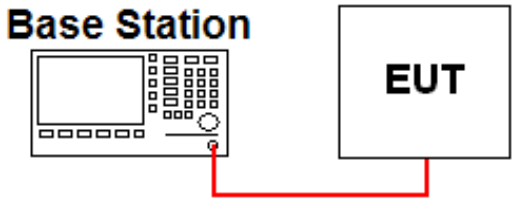
GSM1900 Emission Designator

Emission Designator = **246KGXW**
GSM BW = 246.9117 kHz
(Measured at the 99.75% power bandwidth)
G = Phase Modulation
X = Cases not otherwise covered
W = Combination (Audio/Data)

7. TEST DATA

7.1 CONDUCTED OUTPUT POWER

A base station simulator was used to establish communication with the EUT. The base station simulator parameters were set to produce the maximum power from the EUT. This device was tested under all configurations and the highest power is reported. Conducted Output Powers of EUT are reported below.



▪ GSM / GPRS / EDGE

Band	Channel	Test Result(dBm)								
		GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot	EDGE 1 TX Slot	EDGE 2 TX Slot	EDGE 3 TX Slot	EDGE 4 TX Slot
Cellular	128	32.9	32.7	31.2	29.2	27.2	N/A	N/A	N/A	N/A
	190	33.1	32.8	31.3	29.2	27.3	N/A	N/A	N/A	N/A
	251	33.2	32.8	31.3	29.3	27.3	N/A	N/A	N/A	N/A
PCS	512	30.1	30.0	28.1	28.1	26.1	N/A	N/A	N/A	N/A
	661	30.2	30.1	28.0	28.0	26.0	N/A	N/A	N/A	N/A
	810	30.1	30.0	28.0	27.9	26.0	N/A	N/A	N/A	N/A

7.2 PEAK TO AVERAGE RATIO

- Plots of the EUT's Peak- to- Average Ratio are shown Page 23.

7.3 OCCUPIED BANDWIDTH

Band	Channel	Test Result(KHz)
GSM850	128	243.3740
	190	246.0236
	251	248.6180
GSM1900	512	245.2691
	661	242.8750
	810	245.9117

- Plots of the EUT's Occupied Bandwidth are shown Page 24 ~ 27.

7.4 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL

- Plots of the EUT's Conducted Spurious Emissions are shown Page 28 ~ 36.

7.5 BAND EDGE

- Plots of the EUT's Band Edge are shown Page 37 ~ 38.

7.6 EFFECTIVE RADIATED POWER(GSM850)

- GSM850 data

Channel	EUT Position	TEST CONDITIONS					
		Ref. level (dBm)	Pol. (H/V)	ERP (dBm)	ERP (W)	Power Supply	Note.
128	X	-5.74	H	26.97	0.498	DC 3.7V	GSM
190	**X**	**-5.11**	**H**	**28.89**	**0.774**	**DC 3.7V**	**GSM**
251	X	-5.04	H	28.56	0.718	DC 3.7V	GSM

NOTES:

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

The EUT is placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation is adjusted for the highest reading on the receive spectrum analyzer.
For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz.
A half-wave dipole is substituted in place of the EUT. This dipole antenna is driven by a signal generator and the level of the signal generator is adjusted to obtain the same receive spectrum analyzer reading. The conducted power at the terminals of the dipole is measured. The ERP is recorded.

This device was tested under all configurations and the highest power is reported in GSM mode and using a Power Control Level of “0” in the PCS Band and “5” in the Cellular Band.
This EUT was tested with the fully charged battery. Also, we have done x, y, z planes in EUT and horizontal and vertical polarization of detecting antenna.
The worst case data is reported.

7.7 EQUIVALENT ISOTROPIC RADIATED POWER(GSM1900)

- GSM1900 data

Channel	EUT Position	TEST CONDITIONS Power Step: 0						
		Ref. level (dBm)	Pol. (H/V)	Ant Gain (dBi)	EIRP (dBm)	EIRP (W)	Power Supply	Note
512	Z	-8.96	V	8.59	29.34	0.859	DC 3.7V	GSM
661	**Z**	**-8.29**	**V**	**8.68**	**30.49**	**1.119**	**DC 3.7V**	**GSM**
810	Z	-8.16	V	8.77	30.26	1.062	DC 3.7V	GSM

NOTES:

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

The EUT is placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation is adjusted for the highest reading on the receive spectrum analyzer.
For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz.
A half-wave dipole is substituted in place of the EUT. This dipole antenna is driven by a signal generator and the level of the signal generator is adjusted to obtain the same receive spectrum analyzer reading. The conducted power at the terminals of the dipole is measured. The ERP is recorded.

This device was tested under all configurations and the highest power is reported in GSM mode and using a Power Control Level of “0” in the PCS Band and “5” in the Cellular Band.
This EUT was tested with the fully charged battery. Also, we have done x, y, z planes in EUT and horizontal and vertical polarization of detecting antenna.
The worst case data is reported.

7.8 RADIATED SPURIOUS EMISSIONS

7.8.1 RADIATED SPURIOUS EMISSIONS(GSM850)

Channel (ERP)	Freq. (MHz)	EUT Position	POL (H/V)	LEVEL@ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	(dBc)	Limit (dBc)
128 (0.498W)	1648.22	X	H	-43.60	5.83	-37.77	64.74	39.97
	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
190 (0.774W)	1673.06	X	H	-47.03	5.90	-41.13	68.10	41.89
	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
251 (0.718W)	1697.73	X	H	-47.86	5.98	-41.88	68.85	41.56
	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	

- Limit Calculation = 43 + 10 $\log_{10}$ (ERP [W]) [dBc]
- Emissions were not reported greater than below 30dB of the Limit.

NOTES:

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

The EUT is placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation is adjusted for the highest reading on the receive spectrum analyzer.

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 spurious level is recorded. 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.

This device was tested under all configurations and the highest power is reported in GSM mode and using a Power Control Level of “0” in the PCS Band and “5” in the Cellular Band.

This EUT was tested with the fully charged battery. Also, we have done x, y, z planes in EUT and horizontal and vertical polarization of detecting antenna.

The worst case data is reported.

7.8.2 RADIATED SPURIOUS EMISSIONS(GSM1900)

Channel (EIRP)	Freq. (MHz)	EUT Position	POL (H/V)	LEVEL@ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	(dBc)	Limit (dBc)
512 (0.859W)	3700.66	Z	V	-50.27	9.67	-40.60	69.94	42.34
	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
661 (1.119W)	3759.91	Z	V	-50.77	9.68	-41.09	70.43	43.49
	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
810 (1.062W)	3819.96	Z	V	-50.61	9.68	-40.93	70.27	43.26
	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	

- Limit Calculation = 43 + 10 $\log_{10}$ (EIRP [W]) [dBc]
- Emissions were not reported greater than below 30dB of the Limit.

NOTES:

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

The EUT is placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation is adjusted for the highest reading on the receive spectrum analyzer.

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 spurious level is recorded. 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.

This device was tested under all configurations and the highest power is reported in GSM mode and using a Power Control Level of “0” in the PCS Band and “5” in the Cellular Band.

This EUT was tested with the fully charged battery. Also, we have done x, y, z planes in EUT and horizontal and vertical polarization of detecting antenna.

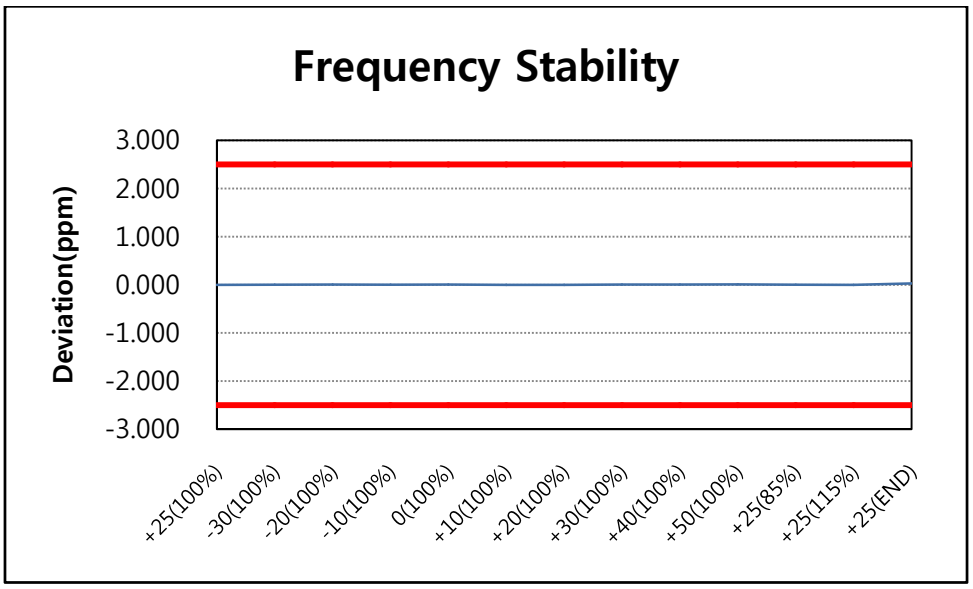
The worst case data is reported.

7.9 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

7.9.1 FREQUENCY STABILITY (GSM850)

OPERATING FREQUENCY : 836,599,986 Hz
CHANNEL : 190(Mid)
REFERENCE VOLTAGE : 3.70 V DC
DEVIATION LIMIT : ± 0.00025 % or 2.5 ppm

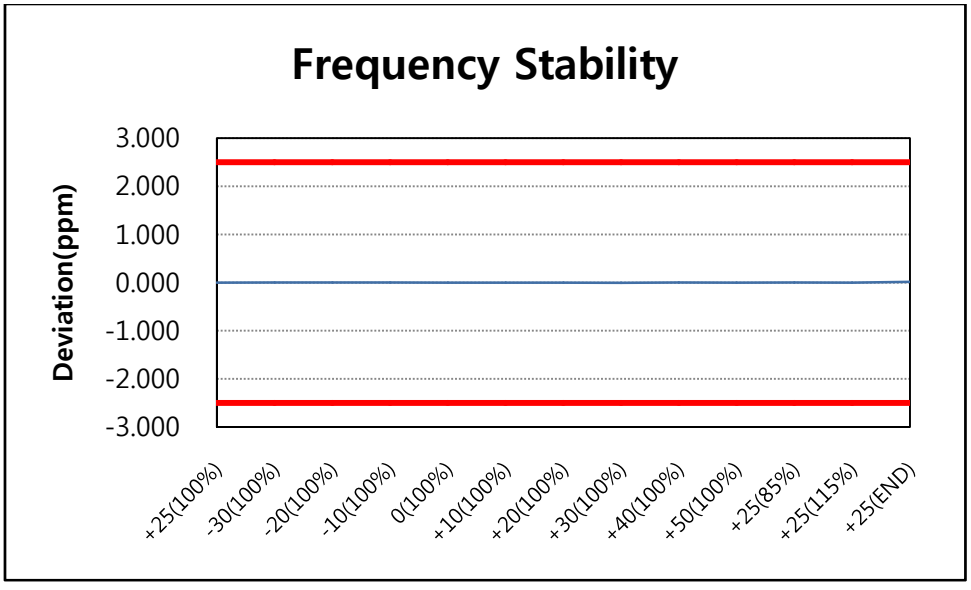
VOLTAGE (%)	POWER (V DC)	TEMP (℃)	FREQ (Hz)	Deviation	
				(ppm)	(%)
100%	3.700	+25(Ref)	836,599,986	0.000	0.00000000
100%		-30	836,599,989	0.004	0.00000036
100%		-20	836,599,991	0.006	0.00000060
100%		-10	836,599,988	0.002	0.00000024
100%		0	836,599,990	0.005	0.00000048
100%		+10	836,599,985	-0.001	-0.00000012
100%		+20	836,599,987	0.001	0.00000012
100%		+30	836,599,992	0.007	0.00000072
100%		+40	836,599,991	0.006	0.00000060
100%		+50	836,599,994	0.010	0.00000096
85%	3.145	+25	836,599,989	0.004	0.00000036
115%	4.255	+25	836,599,987	0.001	0.00000012
BATT.ENDPOINT	2.600	+25	836,600,011	0.030	0.00000299



7.9.2 FREQUENCY STABILITY (GSM1900)

OPERATING FREQUENCY : 1,879,999,979 Hz
CHANNEL : 661(Mid)
REFERENCE VOLTAGE : 3.70 V DC
DEVIATION LIMIT : ± 0.00025 % or 2.5 ppm

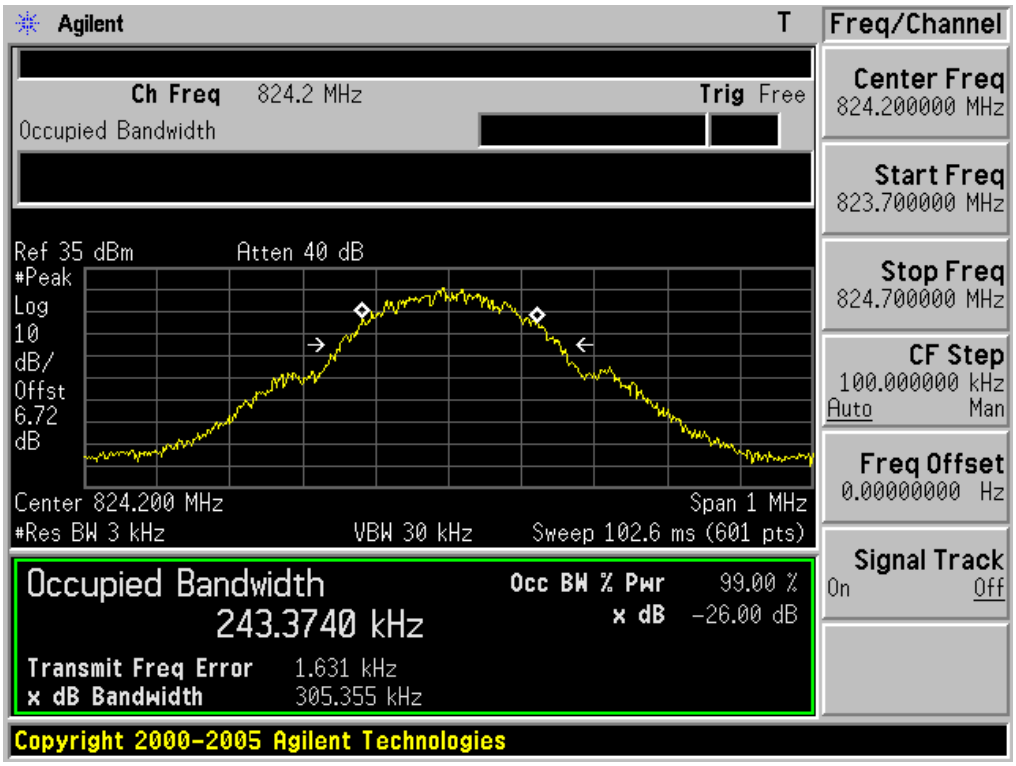
VOLTAGE (%)	POWER (V DC)	TEMP (℃)	FREQ (Hz)	Deviation	
				(ppm)	(%)
100%	3.700	+25(Ref)	1,879,999,979	0.000	0.00000000
100%		-30	1,879,999,982	0.002	0.00000016
100%		-20	1,879,999,985	0.003	0.00000032
100%		-10	1,879,999,984	0.003	0.00000027
100%		0	1,879,999,980	0.001	0.00000005
100%		+10	1,879,999,977	-0.001	-0.00000011
100%		+20	1,879,999,978	-0.001	-0.00000005
100%		+30	1,879,999,975	-0.002	-0.00000021
100%		+40	1,879,999,982	0.002	0.00000016
100%		+50	1,879,999,977	-0.001	-0.00000011
85%	3.145	+25	1,879,999,984	0.003	0.00000027
115%	4.255	+25	1,879,999,980	0.001	0.00000005
BATT.ENDPOINT	2.550	+25	1,880,000,012	0.018	0.00000176



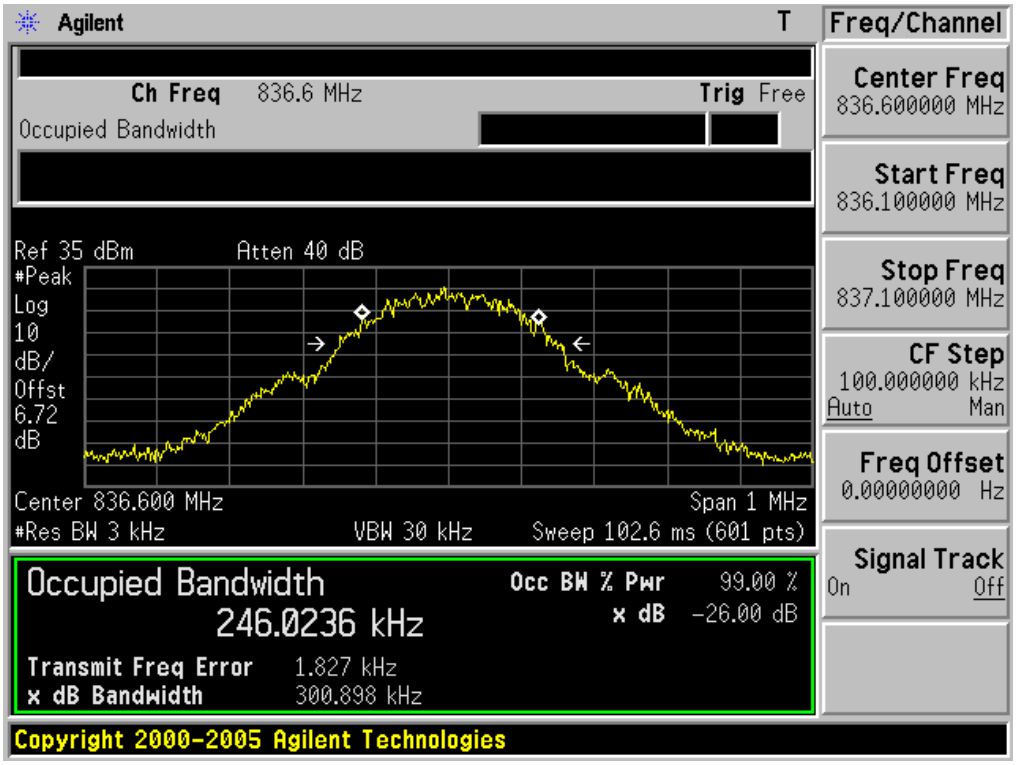
8. TEST PLOTS

Peak to Average Ratio GSM1900 & Channel: 661

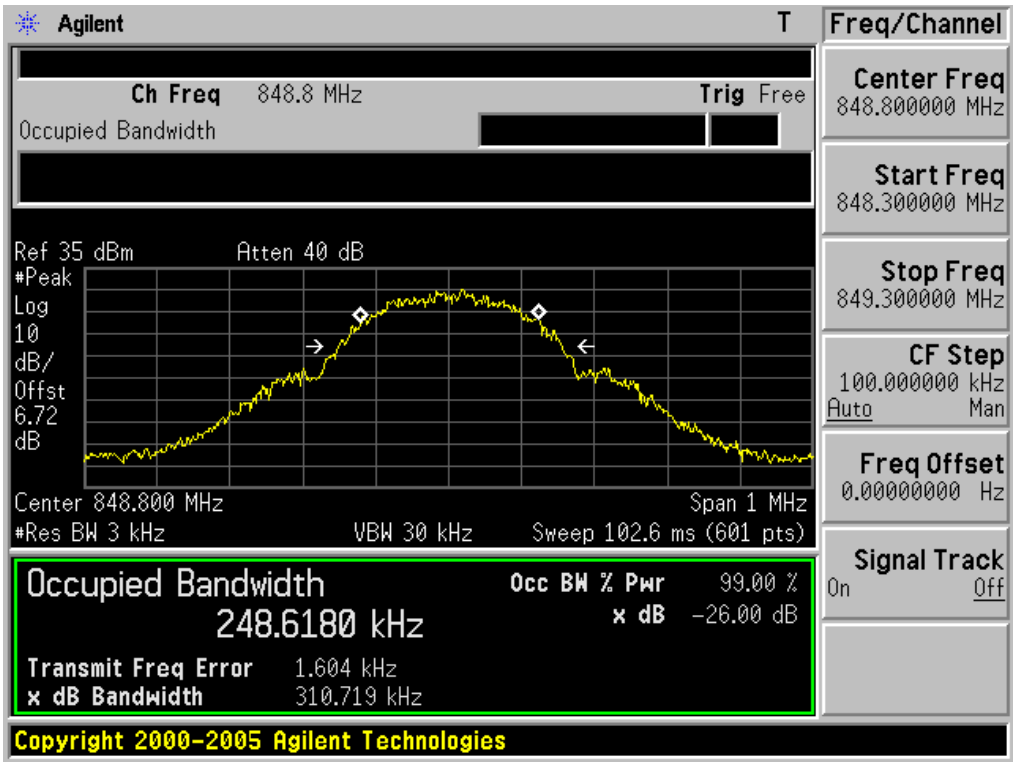
Occupied Bandwidth 99 % Bandwidth GSM850 & Channel: 128



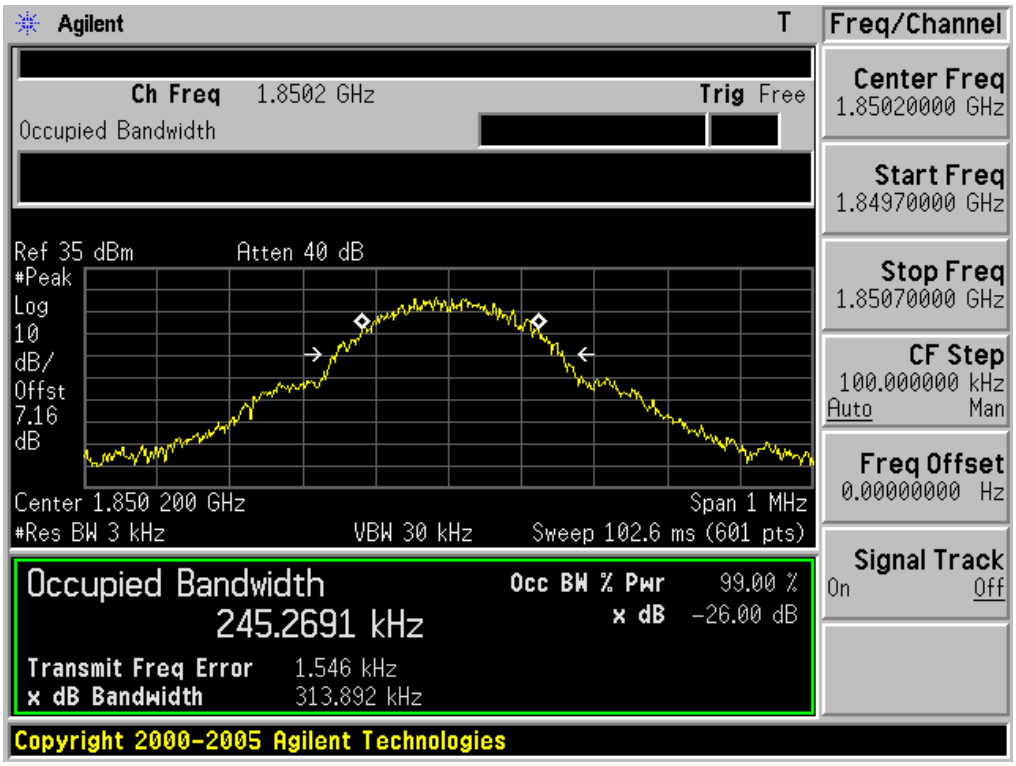
Occupied Bandwidth 99 % Bandwidth GSM850 & Channel: 190



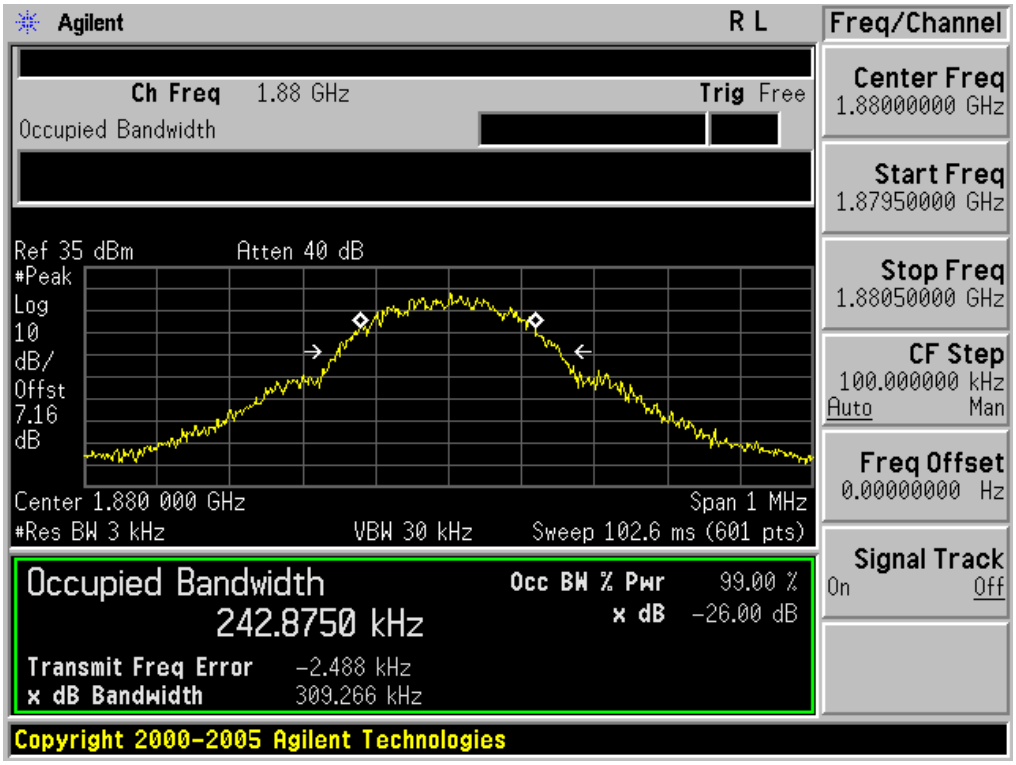
Occupied Bandwidth 99 % Bandwidth GSM850 & Channel: 251



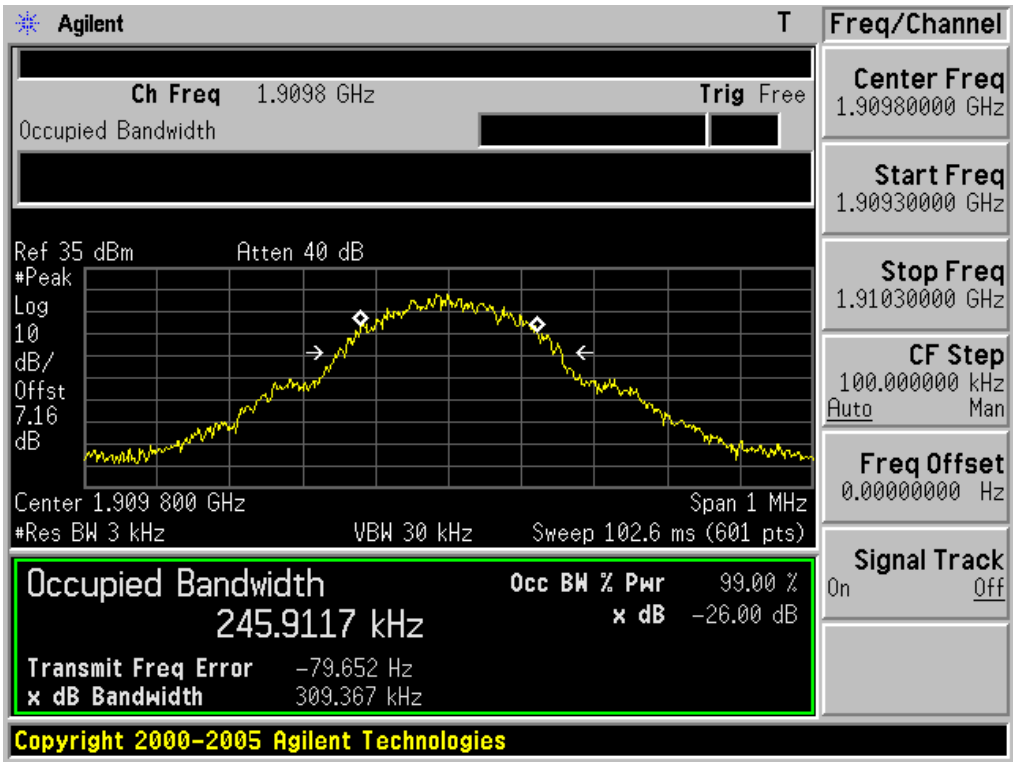
Occupied Bandwidth 99 % Bandwidth GSM 1900 & Channel: 512



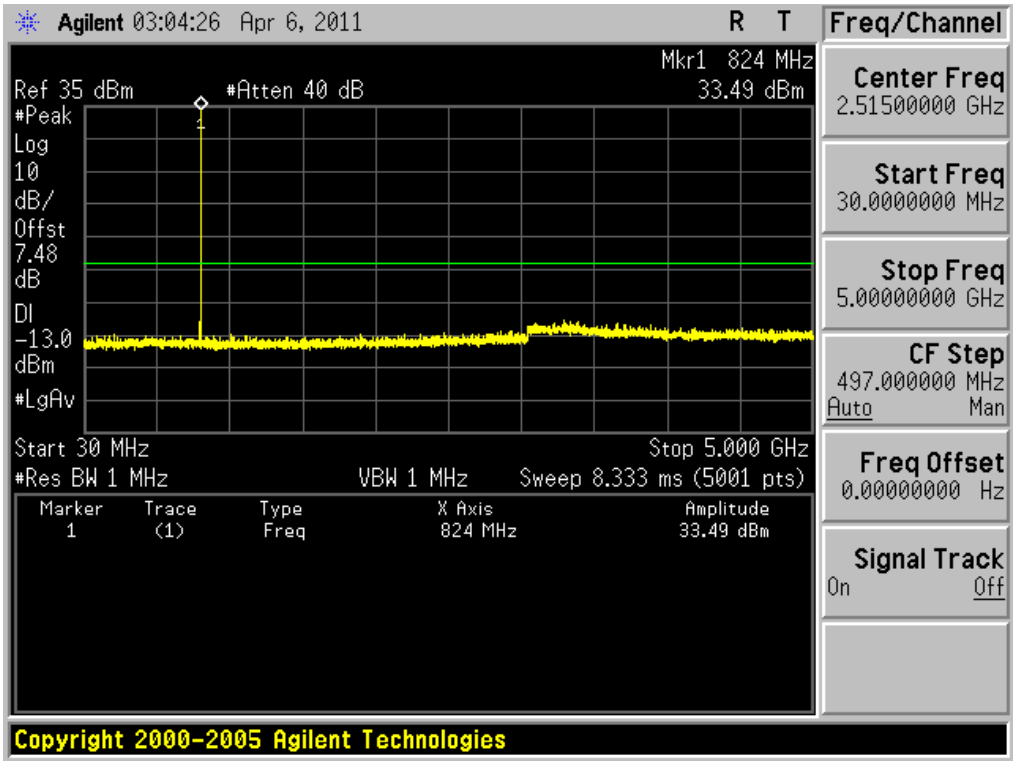
Occupied Bandwidth 99 % Bandwidth GSM 1900 & Channel: 661



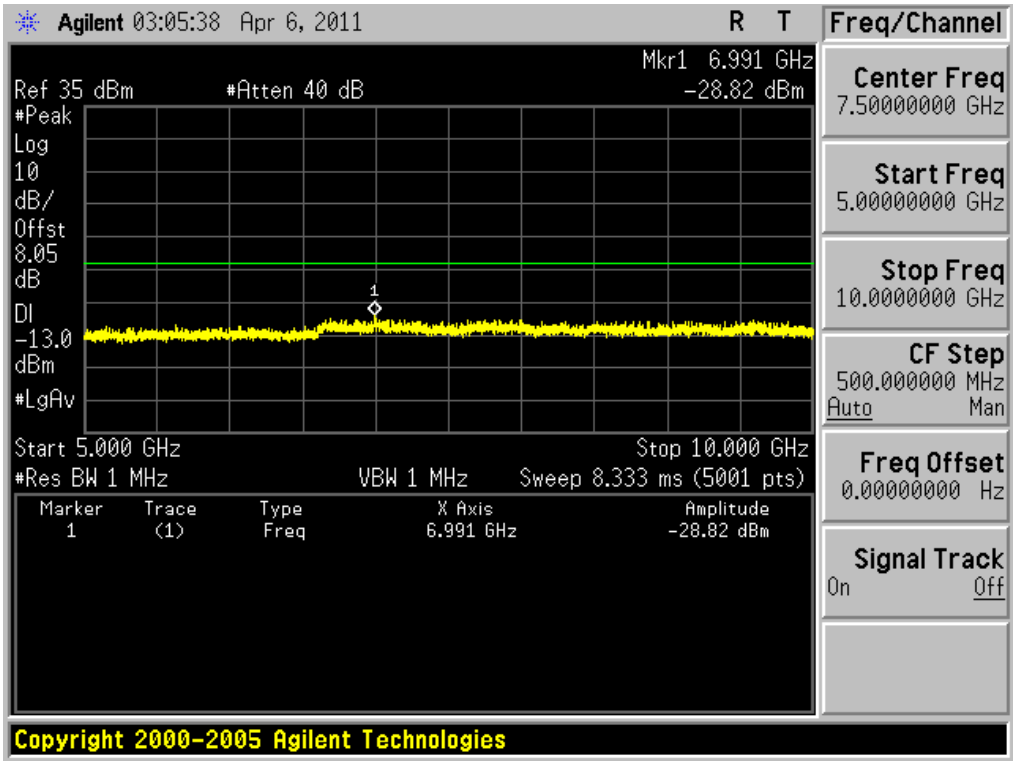
Occupied Bandwidth 99 % Bandwidth GSM 1900 & Channel: 810



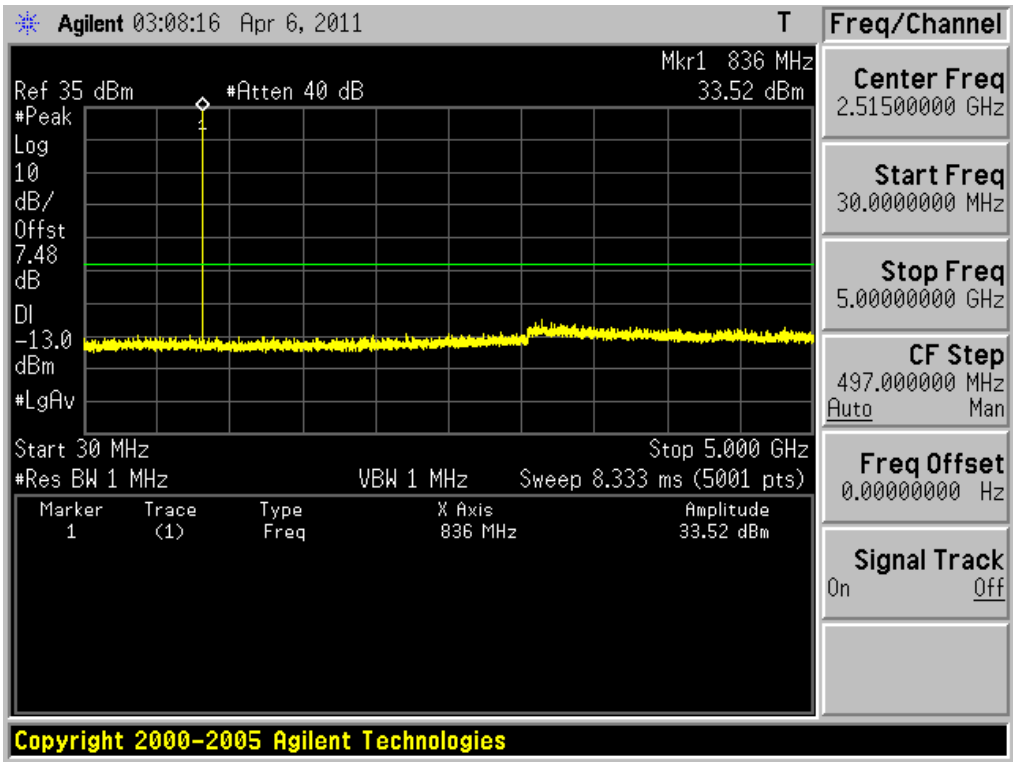
Spurious Emissions at Antenna Terminal GSM850 & Channel: 128



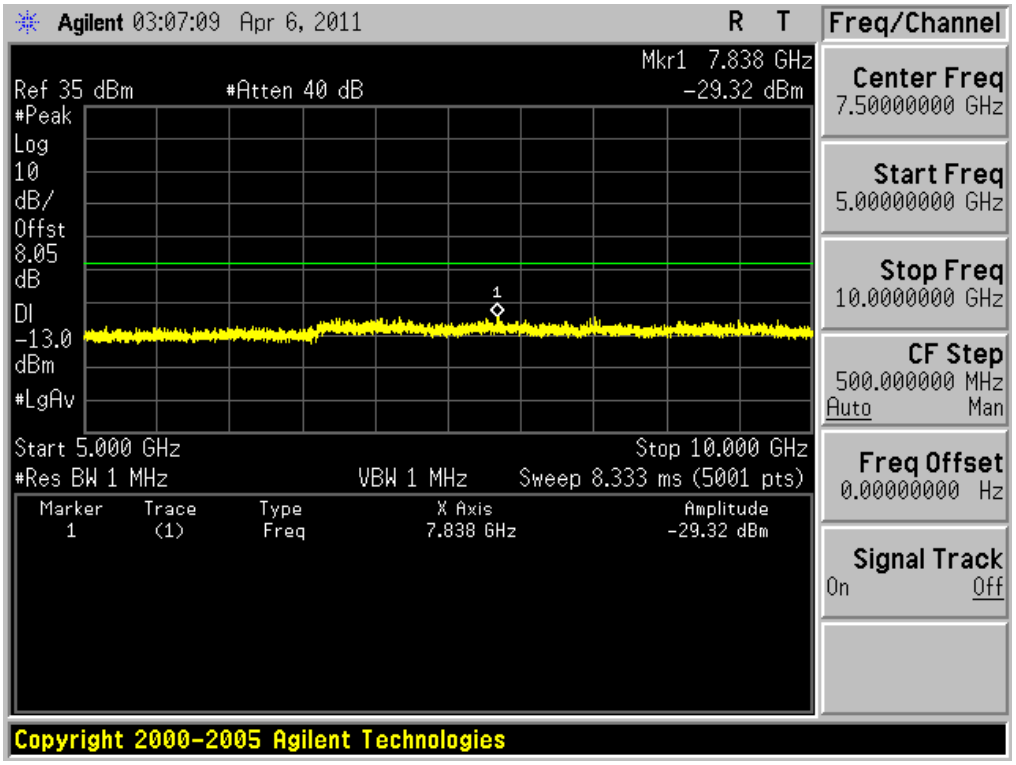
Spurious Emissions at Antenna Terminal GSM850 & Channel: 128



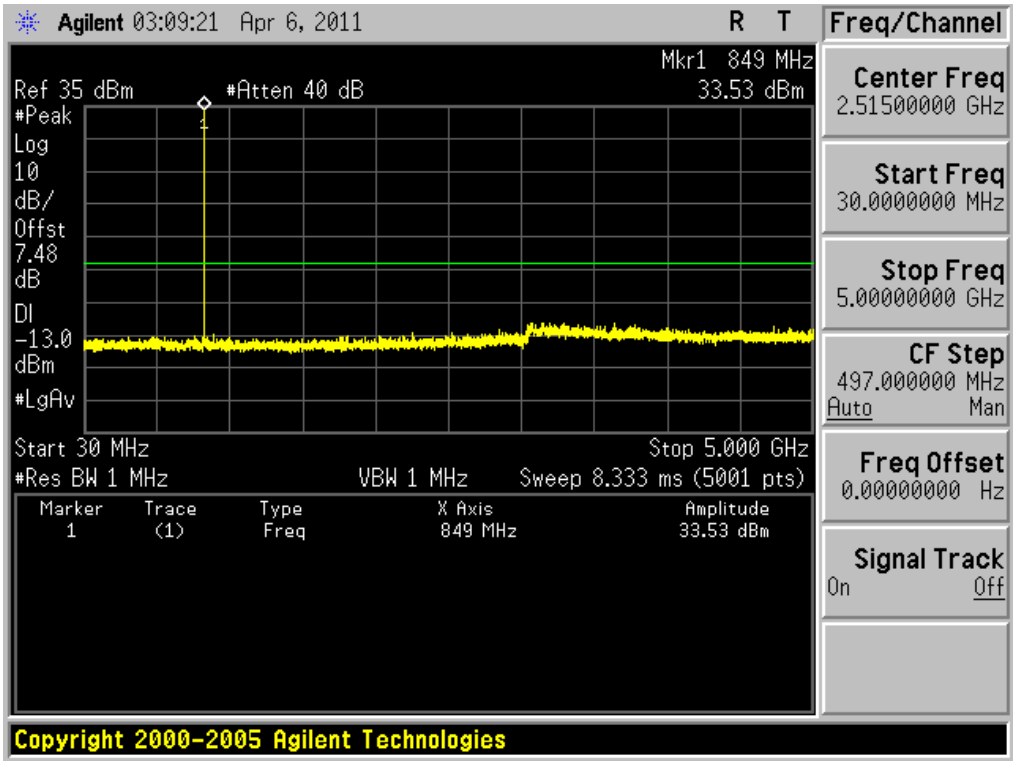
Spurious Emissions at Antenna Terminal GSM850 & Channel: 190



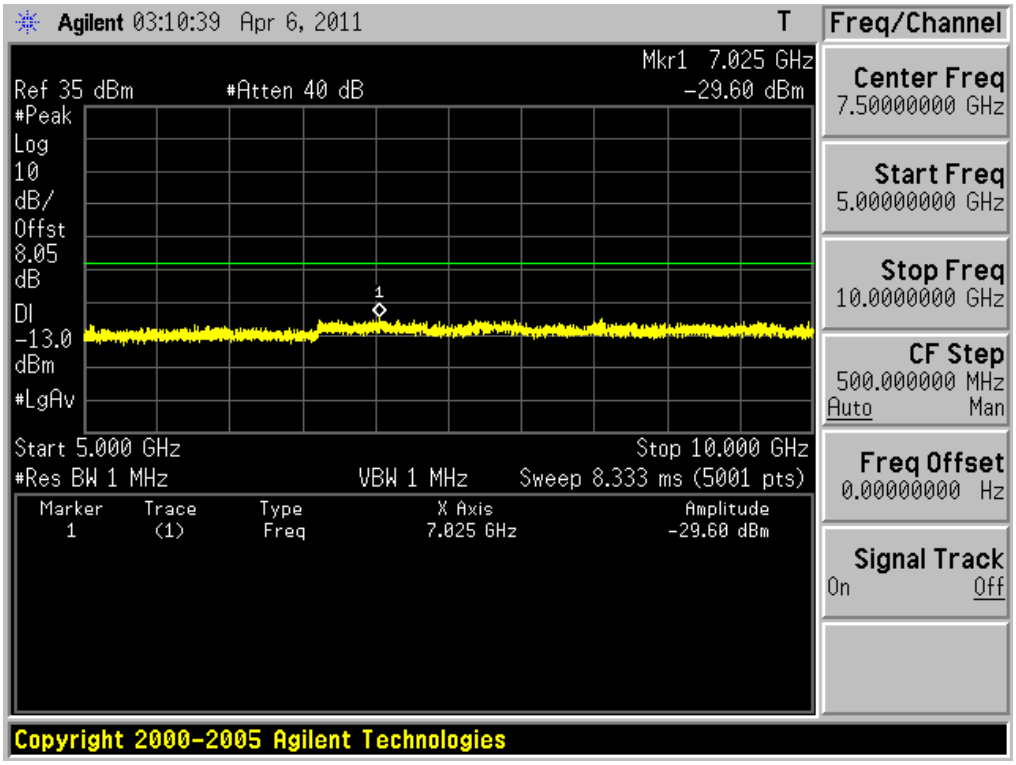
Spurious Emissions at Antenna Terminal GSM850 & Channel: 190



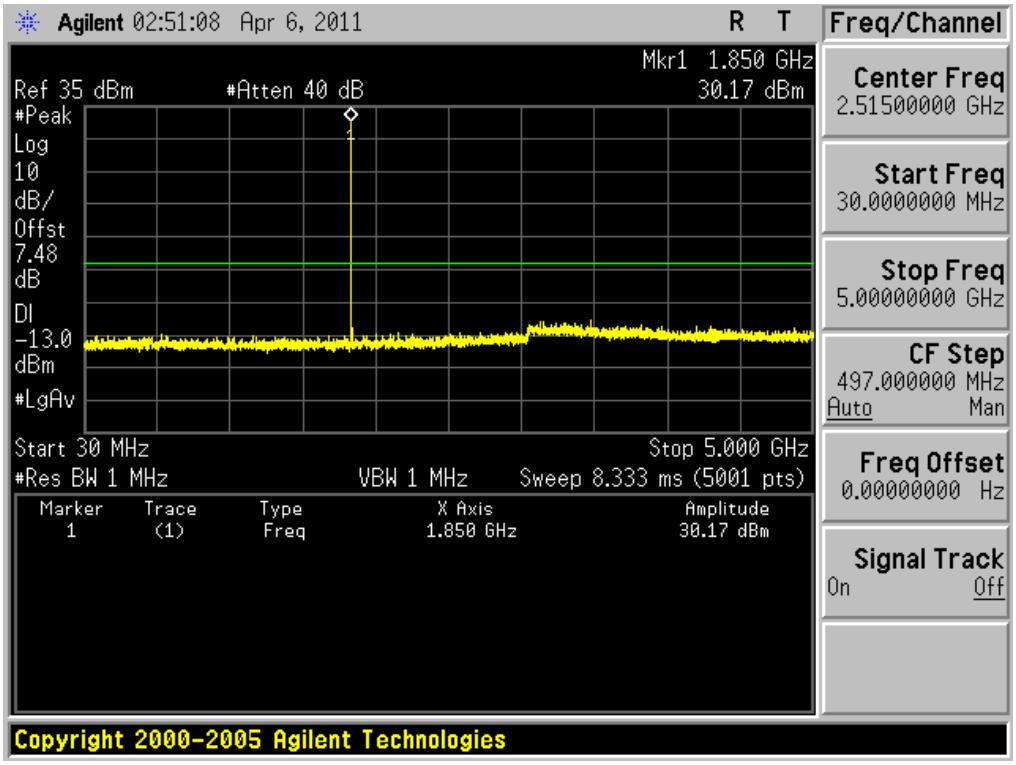
Spurious Emissions at Antenna Terminal GSM850 & Channel: 251



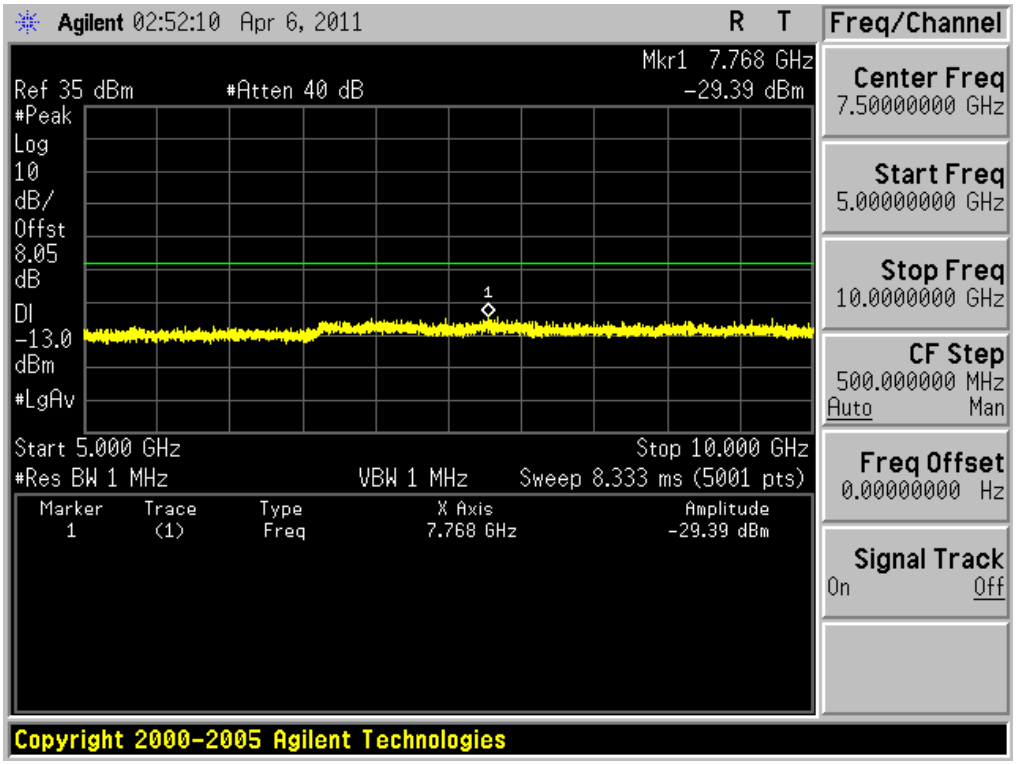
Spurious Emissions at Antenna Terminal GSM850 & Channel: 251



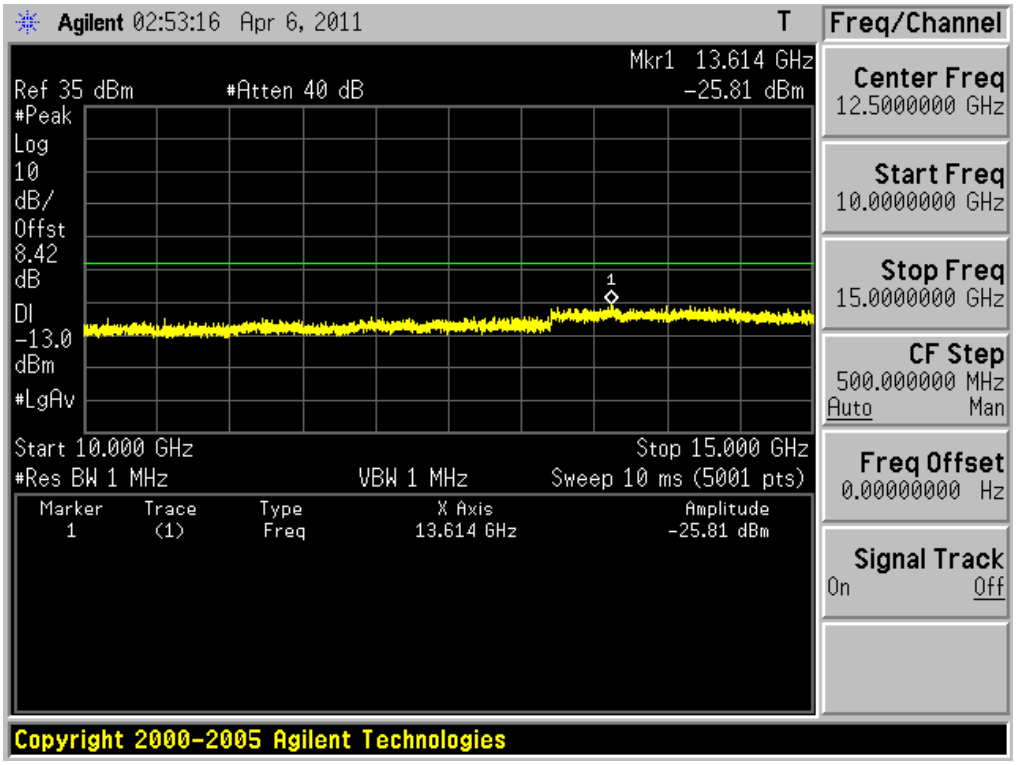
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 512



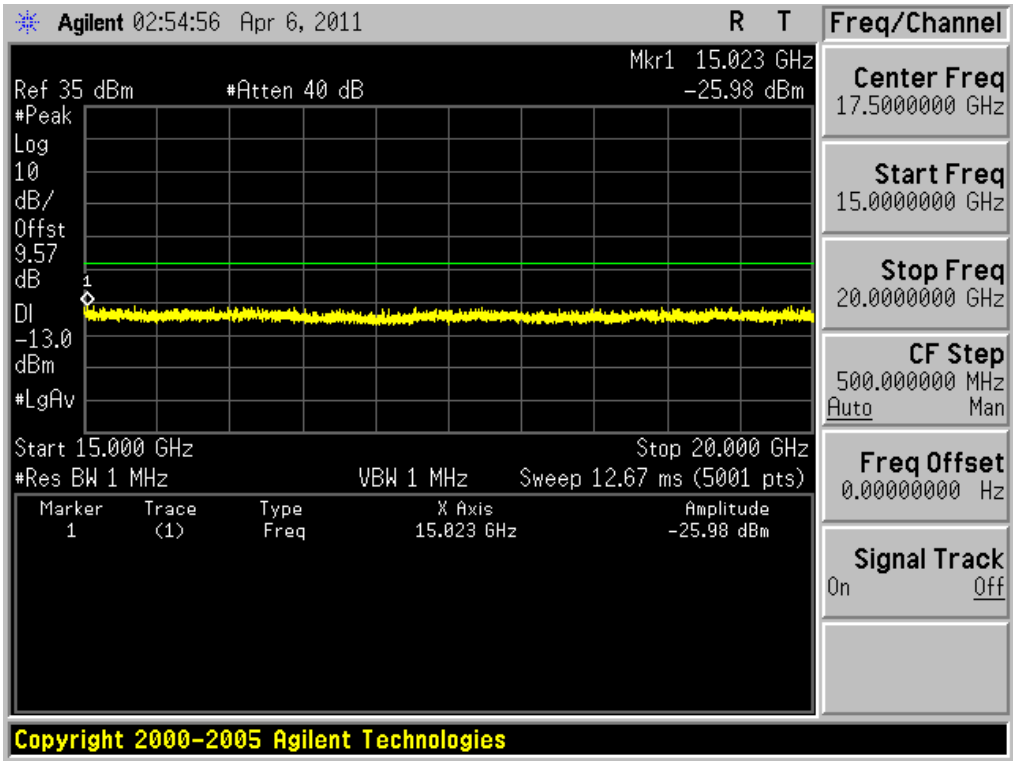
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 512



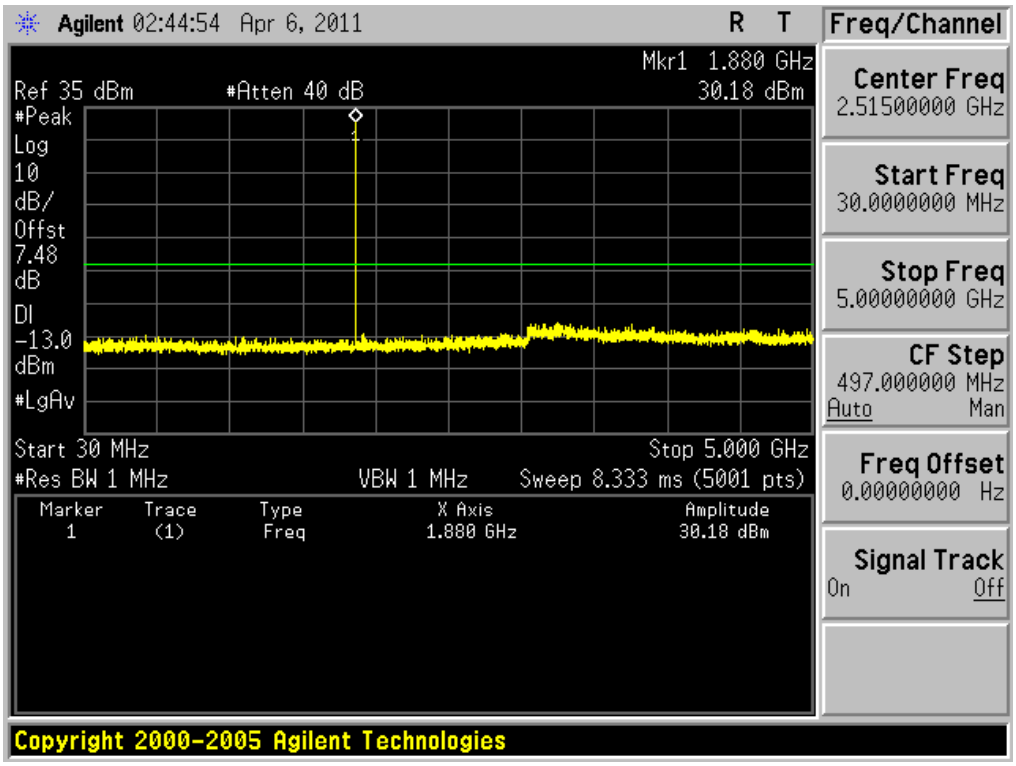
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 512



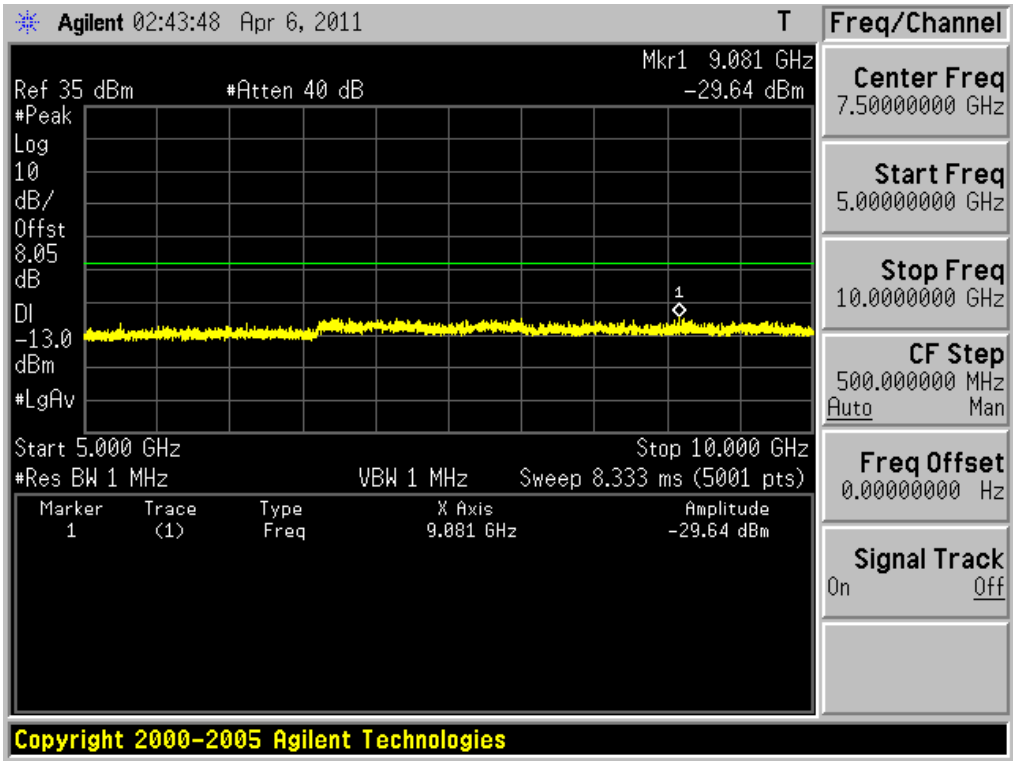
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 512



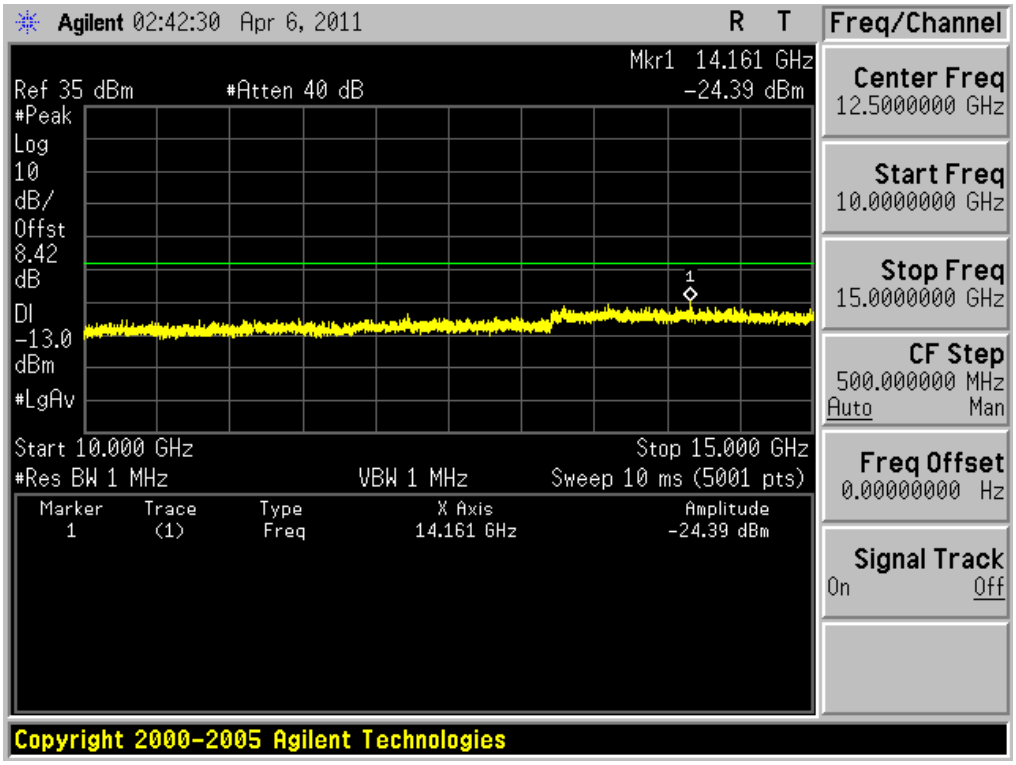
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 661



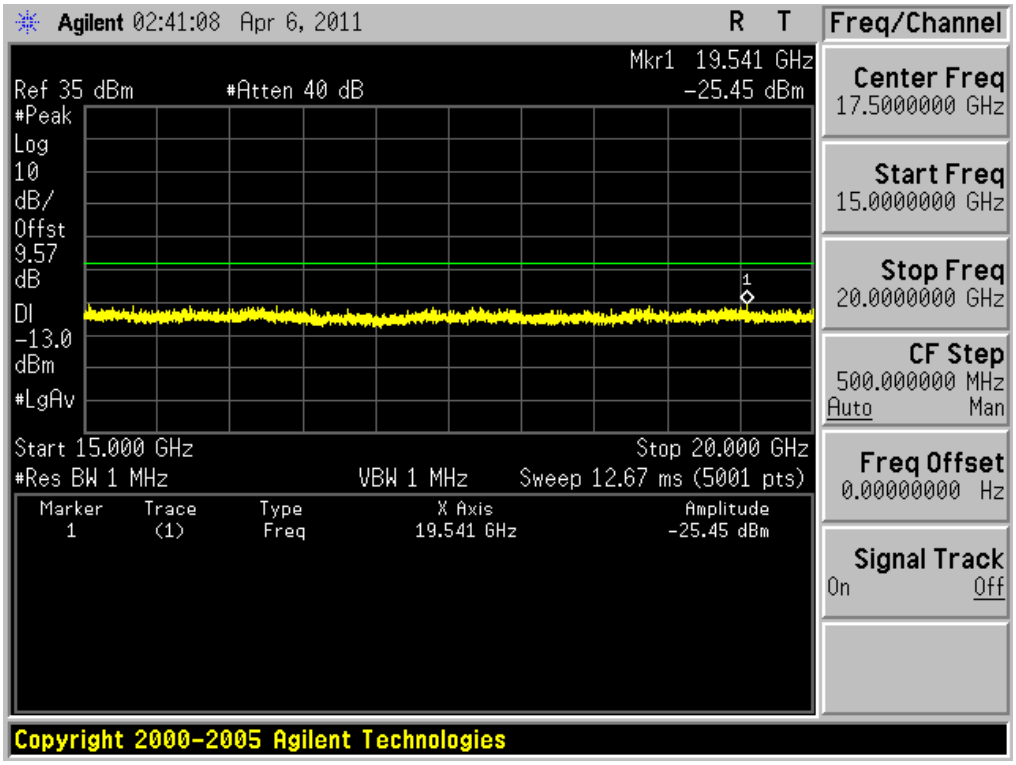
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 661



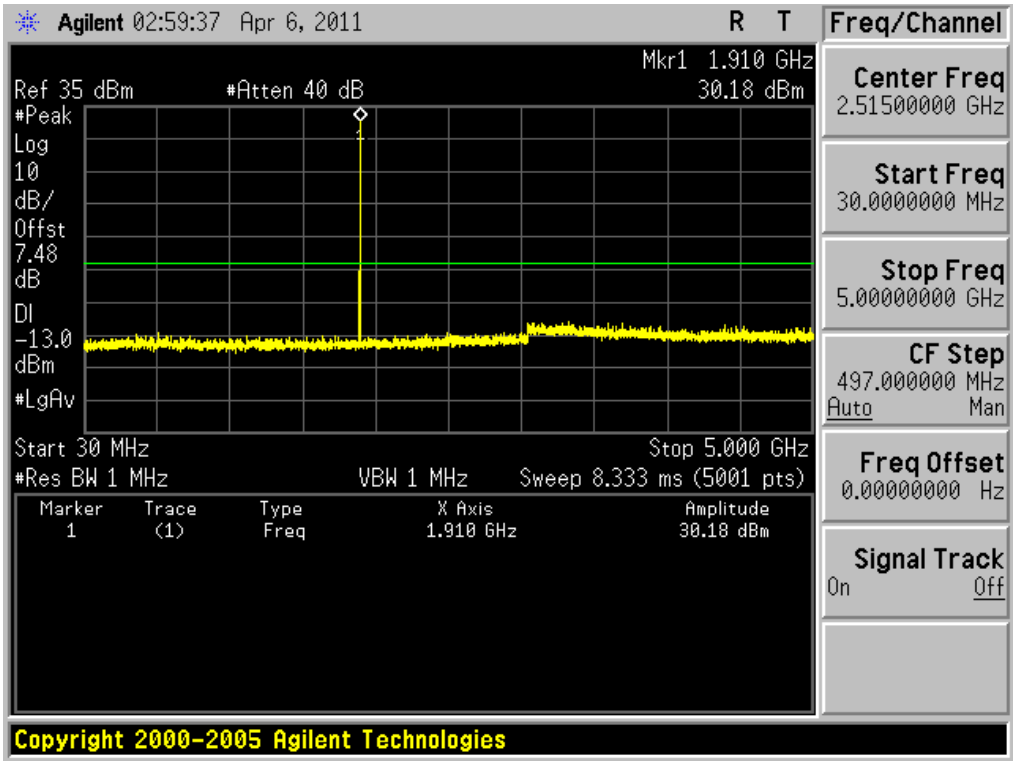
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 661



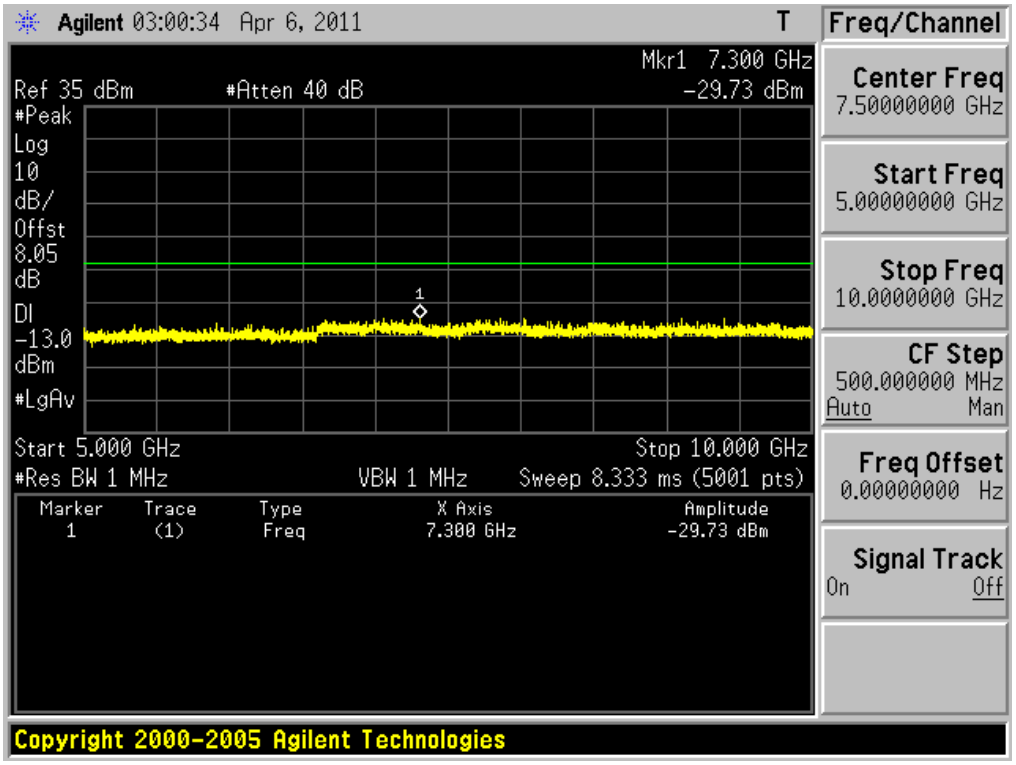
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 661



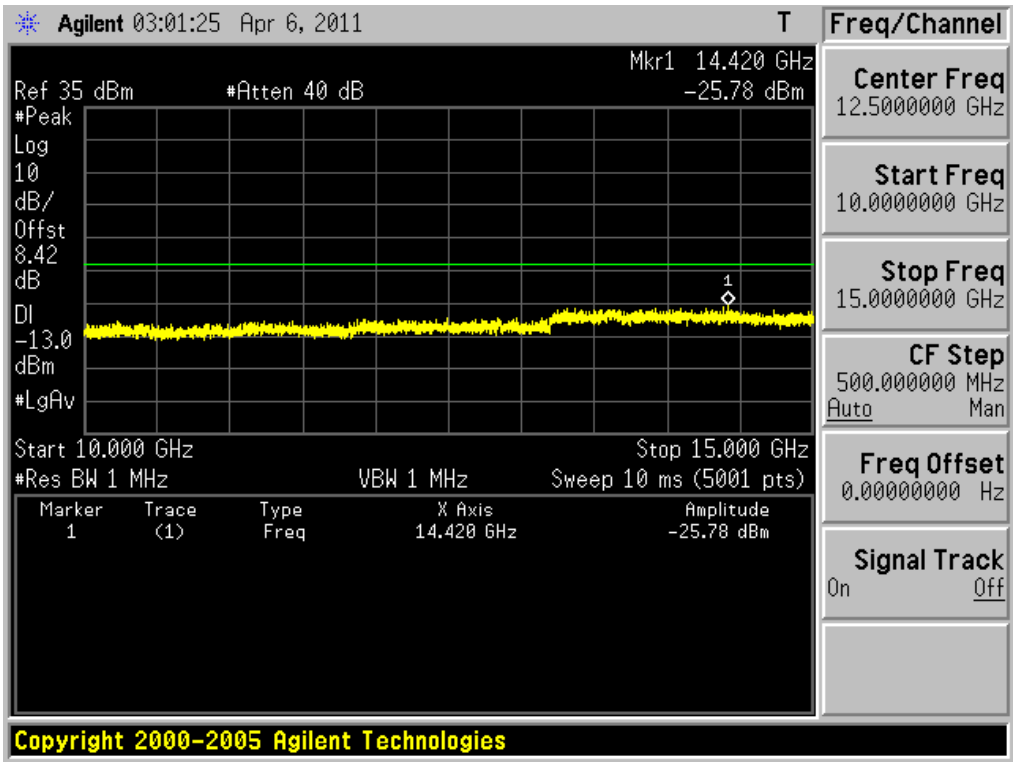
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 810



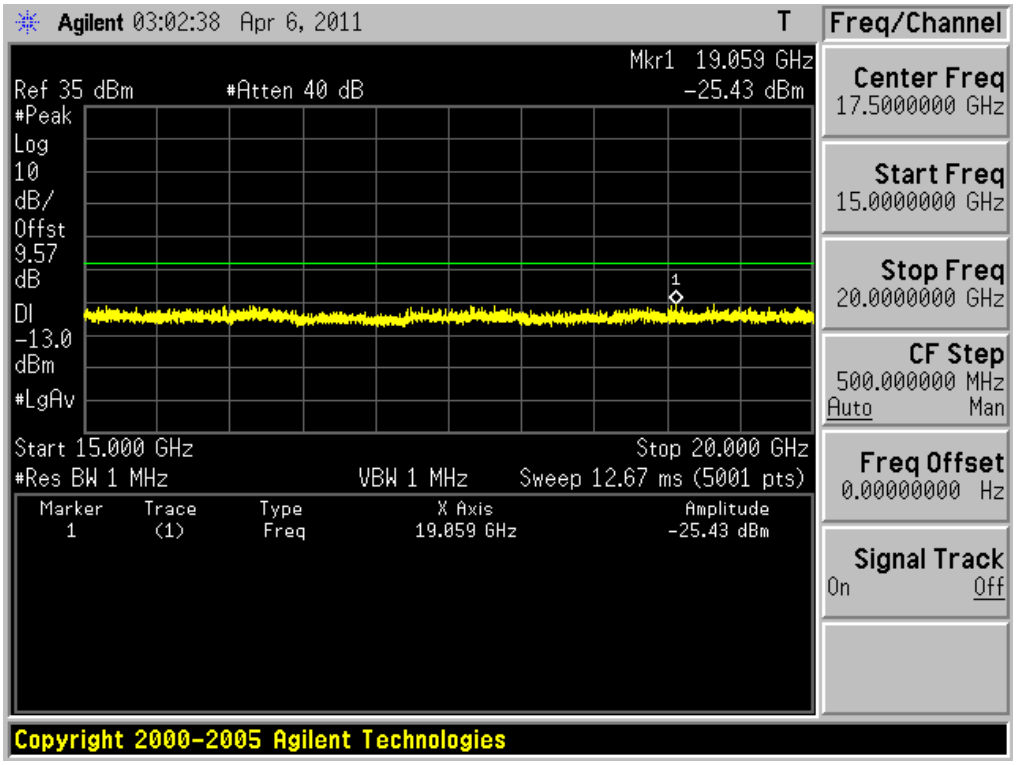
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 810



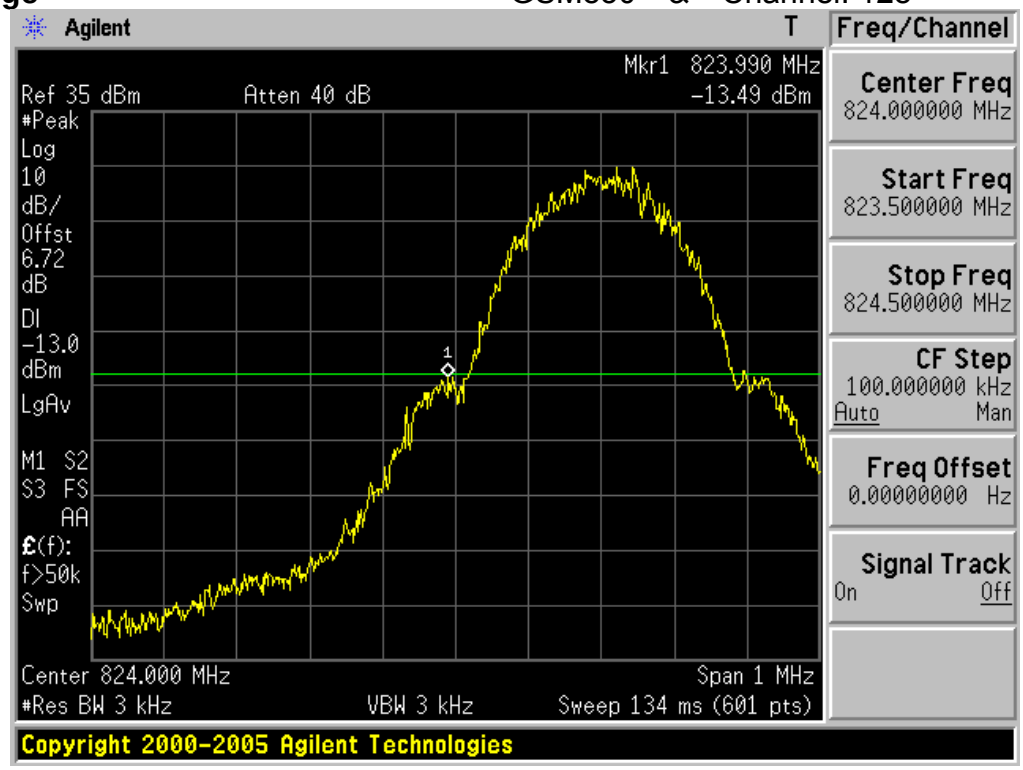
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 810



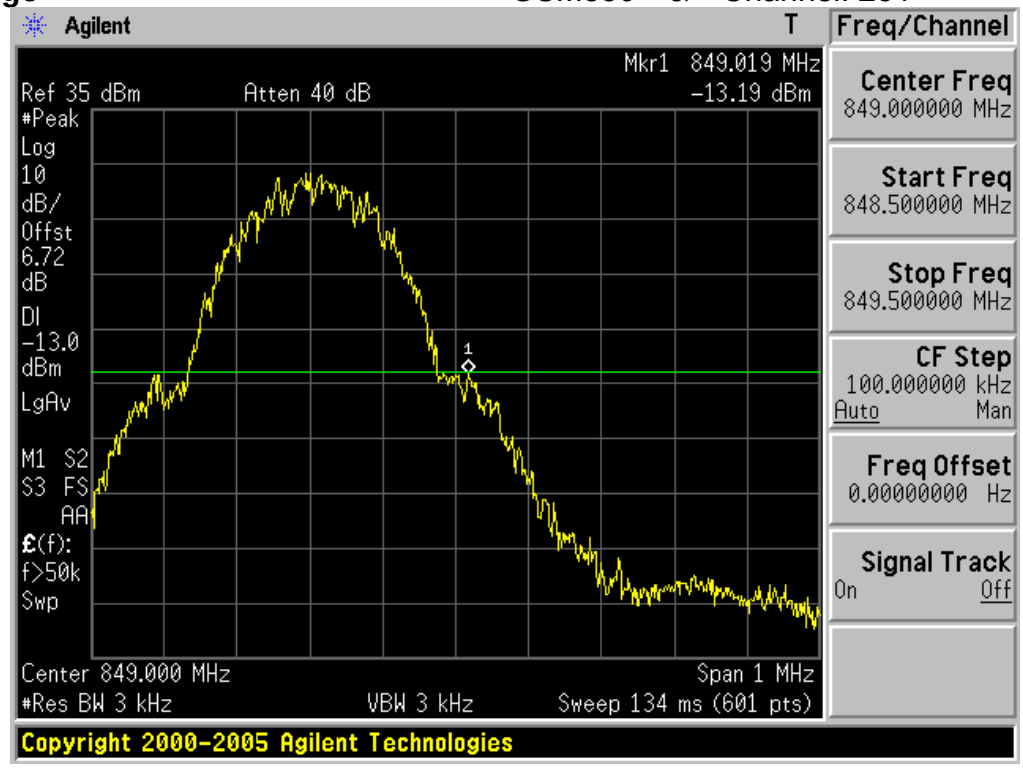
Spurious Emissions at Antenna Terminal PCS1900 & Channel: 810



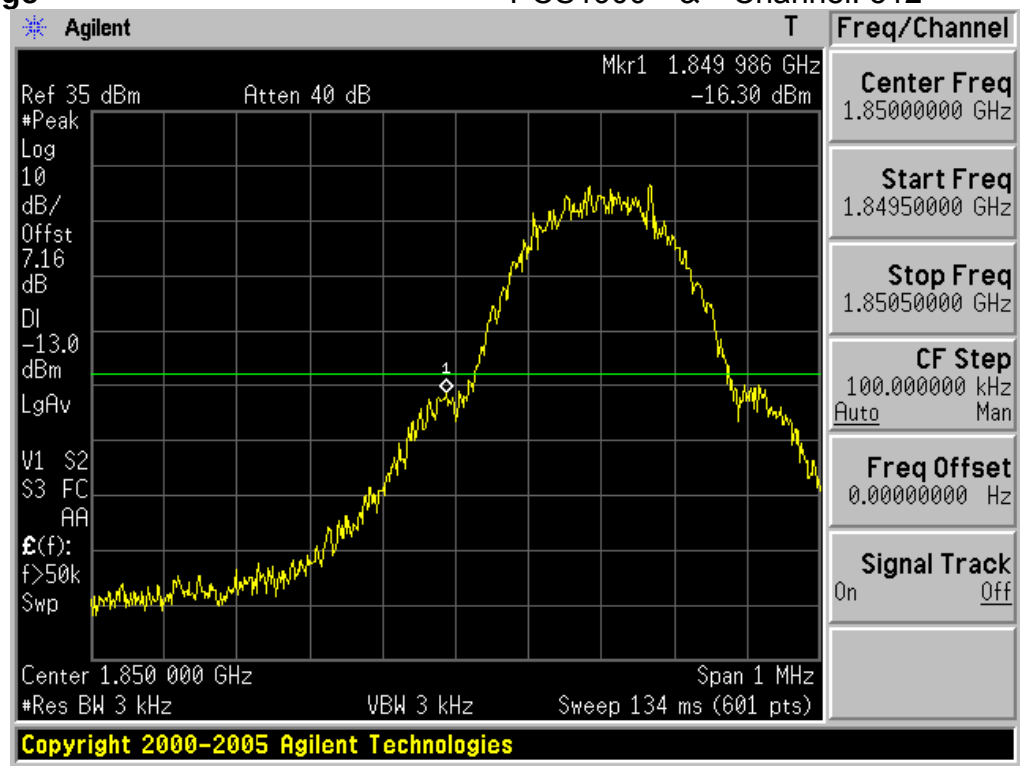
Band Edge GSM850 & Channel: 128



Band Edge GSM850 & Channel: 251



Band Edge PCS1900 & Channel: 512



Band Edge PCS1900 & Channel: 810