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<http://www.digitalemc.com>

CERTIFICATE OF COMPLIANCE
FCC Part 22 & 24 Certification

Dates of Tests: March 10 ~ 17, 2008
 Test Report S/N:DR50110803S
 Test Site : DIGITAL EMC CO., LTD.

FCC ID.	PH7PG130
APPLICANT	Axesstel Corp.

Classification	:	Licensed Non-Broadcast Station Transmitter(TNB)
FCC Rule Part(s)	:	§22(H), §24(E), §2
EUT Type	:	GSM/GPRS Quad Band Fixed Wireless Phone
Model name	:	PG130
Serial number	:	Identical prototype
TX Frequency Range	:	824.2 ~ 848.8 MHz (GSM850) / 1850.2 ~ 1909.8 MHz (PCS1900)
RX Frequency Range	:	869.2 ~ 893.8 MHz (GSM850) / 1930.2 ~ 1989.8 MHz (PCS1900)
Max. RF Output Power	:	2.639W ERP GSM850
	:	1.135W EIRP PCS1900
Max. SAR Measurement	:	1.340mW/g GSM850 GSM Body SAR
	:	0.175mW/g PCS1900 GSM Body SAR
Date of Issue	:	March 20, 2008

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MEASUREMENT REPORT

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.

§2.1033 General Information

Applicant: Axesstel Corp.

Address: 6815 Flanders Drive ste. 210, San Diego, CA 92121

Attention: D.S. Kim(Product Manager)

- FCC ID: PH7PG130
- Quantity: The mass product
- Tx Freq. Range: 824.2 ~ 848.8 MHz (GSM850) / 1850.2 ~ 1909.8 MHz (PCS1900)
- Rx Freq. Range: 869.2 ~ 893.8 MHz (GSM850) / 1930.2 ~ 1989.8 MHz (PCS1900)
- Max. Power Rating: 2.639W ERP GSM850
1.135W EIRP PCS1900
- FCC Classification(s): Licensed Non-broadcast Station Transmitter(TNB)
- Equipment (EUT) Type: GSM/GPRS Quad Band Fixed Wireless Phone
- Modulation(s): GMSK
- Frequency Tolerance: ± 0.00025 % (2.5ppm)
- FCC Rule Part(s): §22(H), §24(E), §2
- Dates of Tests: March 10 ~ 17, 2008
- Place of Tests: DIGITAL EMC
- Test Report S/N: DR50110803S

2. General Information

This report contains the result of tests performed by:

DIGITAL EMC CO., LTD.

Address : 683-3, Yubang-Dong, Yongin-Si, Kyunggi-Do, Korea. 449-080

<http://www.digitalemc.com> E-mail : demc@unitel.co.kr

Tel: +82-31-321-2664 Fax: +82-31-321-1664

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the "General requirements for the competents of calibration and testing laboratory".

This laboratory is accredited by NVLAP for NVLAP Lab. Code : 200559-0.

Test operator: engineer

March 20, 2008

D.C.Cha

Data

Name

Signature

Report Reviewed By: manager

March 20, 2008

Harvey Sung

Data

Name

Signature

Ordering party:

Company name : Axesstel Corp.

Address : 6815 Flanders Drive ste. 210.

Zipcode : 92121

City/town : San Diego / California

Country : U.S.A

Date of order : March 06, 2008

3. Test Report

3.1 Summary of test

FCC Part Section(s)	Parameter	Status (note 1)
22.913(a) / 24.232(b), 2.1046	Power Output	C
22.917 / 24.238, 2.1049(h)(i)	Occupied Bandwidth	C
22.917(b) / 24.238(b)	Emission Bandwidth	C
22.917 / 24.238 2.1051	Emission Limits Transmitter	C
2.1053 (a)	Field Strength of Spurious Radiation	C
2.1055	Frequency Stability	C
Note 1: C= Complies NC=Not Complies NT=Not Tested NA=Not Applicable		

The sample was tested according to the following specification:

FCC Parts §22(H), §24(E), §2; ANSI C-63.4-2003

3.2 Power Output

FCC ID : **PH7PG130**
 Specification : 47 CFR 2.1046 (a)
 Tested Frequency : 824.2MHz, 836.6MHz and 848.8MHz for GSM850
 1850.2MHz, 1880.0MHz and 1909.8MHz for PCS1900

Measurement Procedure:

- During the process of testing, the EUT was controlled via Radio Communication tester to ensure max. Power transmission and proper modulation.
- Power output was measured at the RF output terminals when the transmitter is adjusted in accordance with Communication tester (or the tune-up procedure).

Measurement Data:

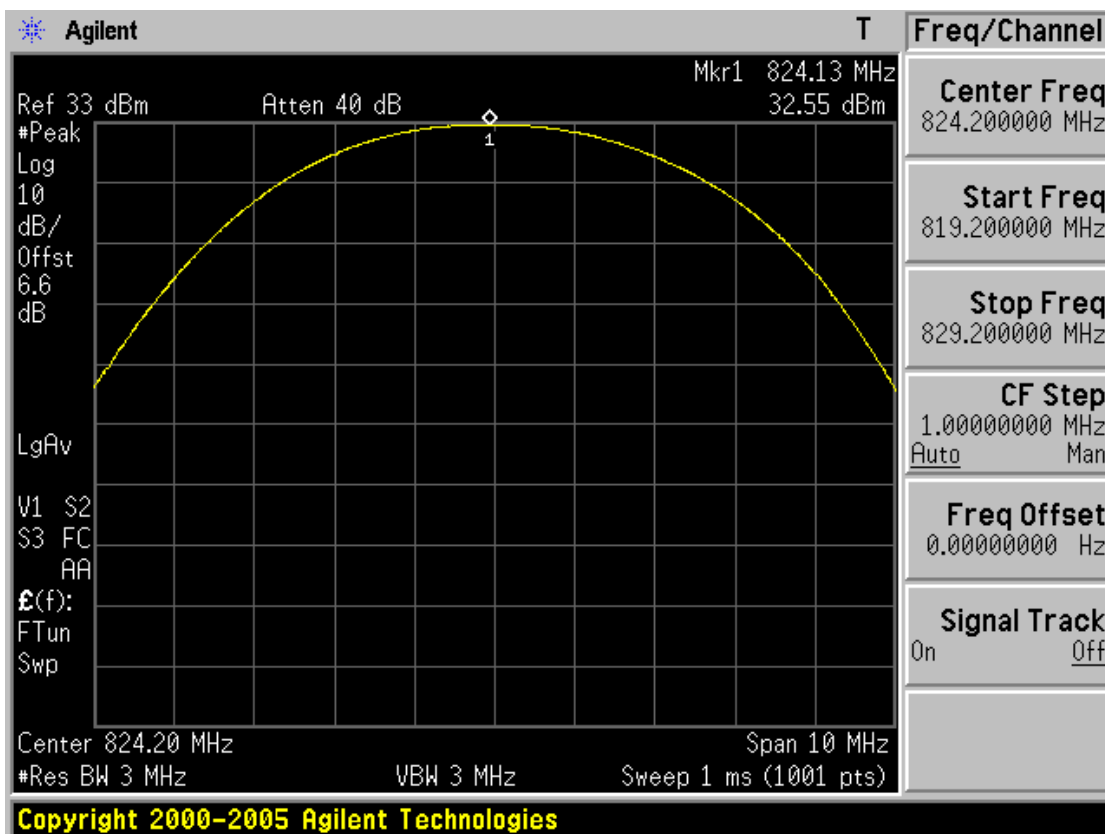
GSM850

Channel	Frequency (MHz)	TEST CONDITIONS	Power Step: 5
		(dBm)	
128	824.2	32.55	
190	836.6	32.19	
251	848.8	31.86	

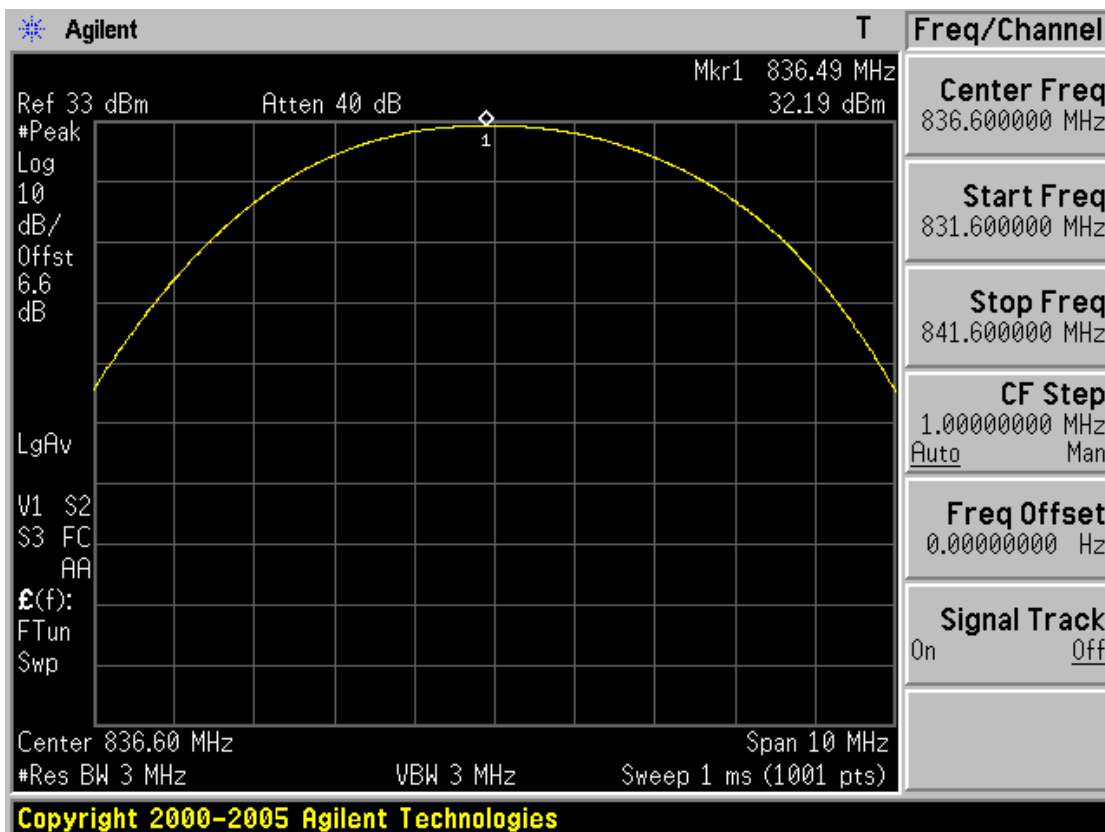
PCS1900

Channel	Frequency (MHz)	TEST CONDITIONS	Power Step: 0
		(dBm)	
512	1850.2	29.37	
661	1880.0	29.50	
810	1909.8	29.75	

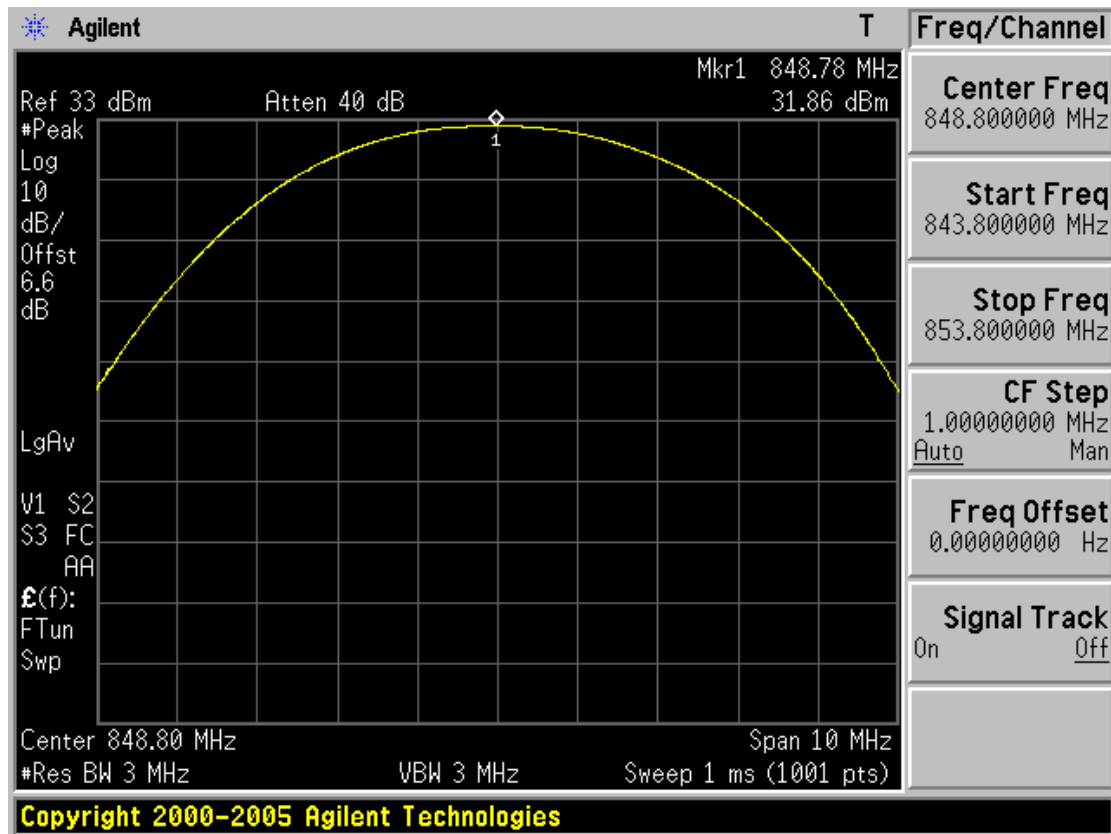
POWER OUT. GSM850 Ch.128



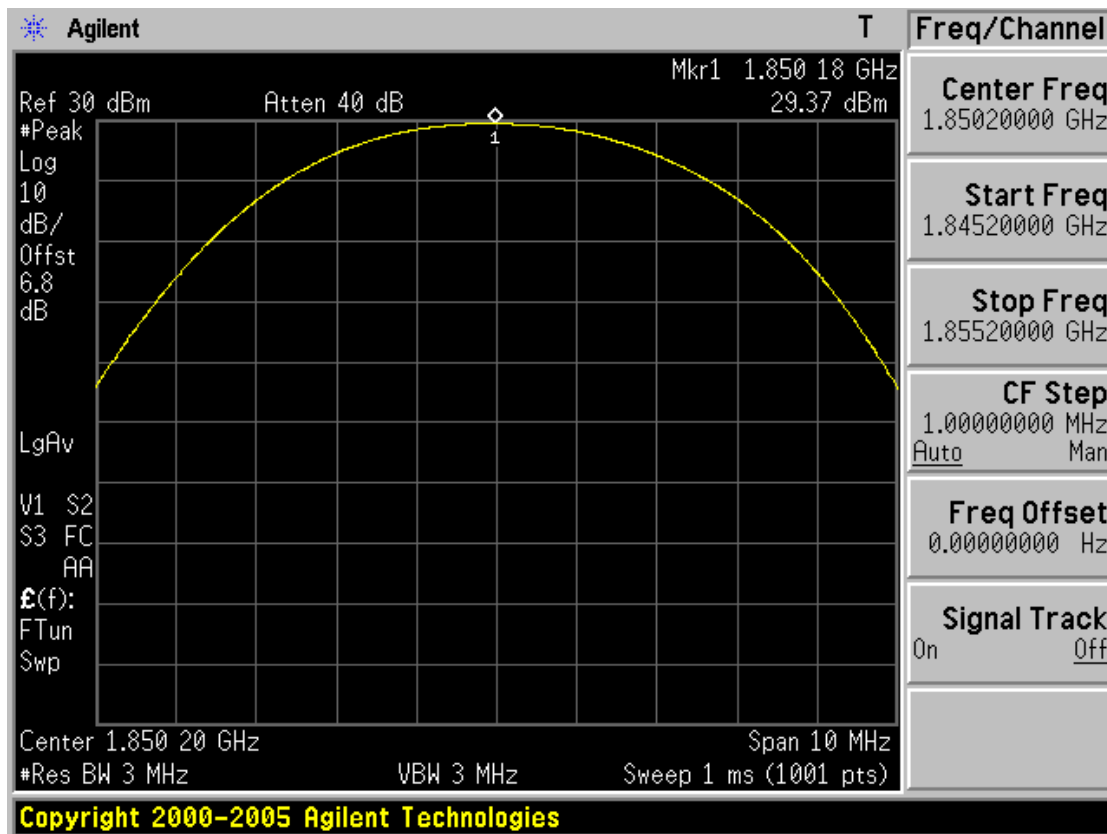
POWER OUT. GSM850 Ch.190



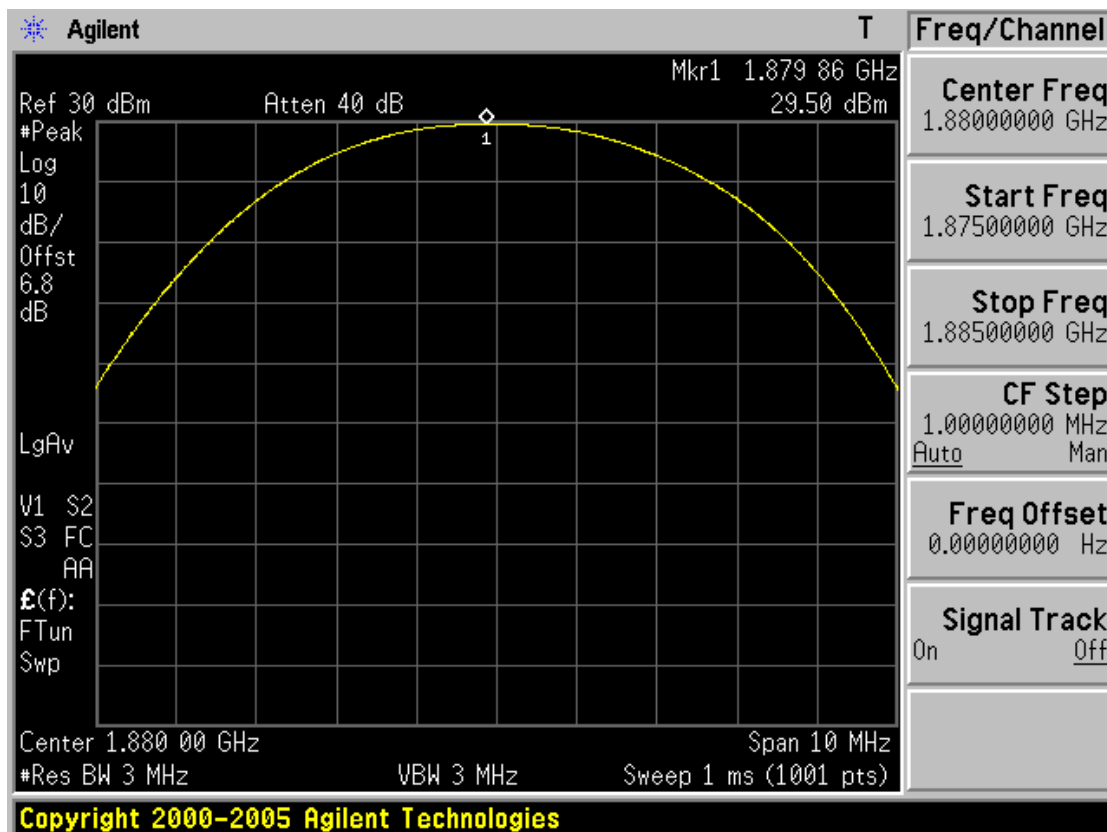
POWER OUT. GSM850 Ch.251



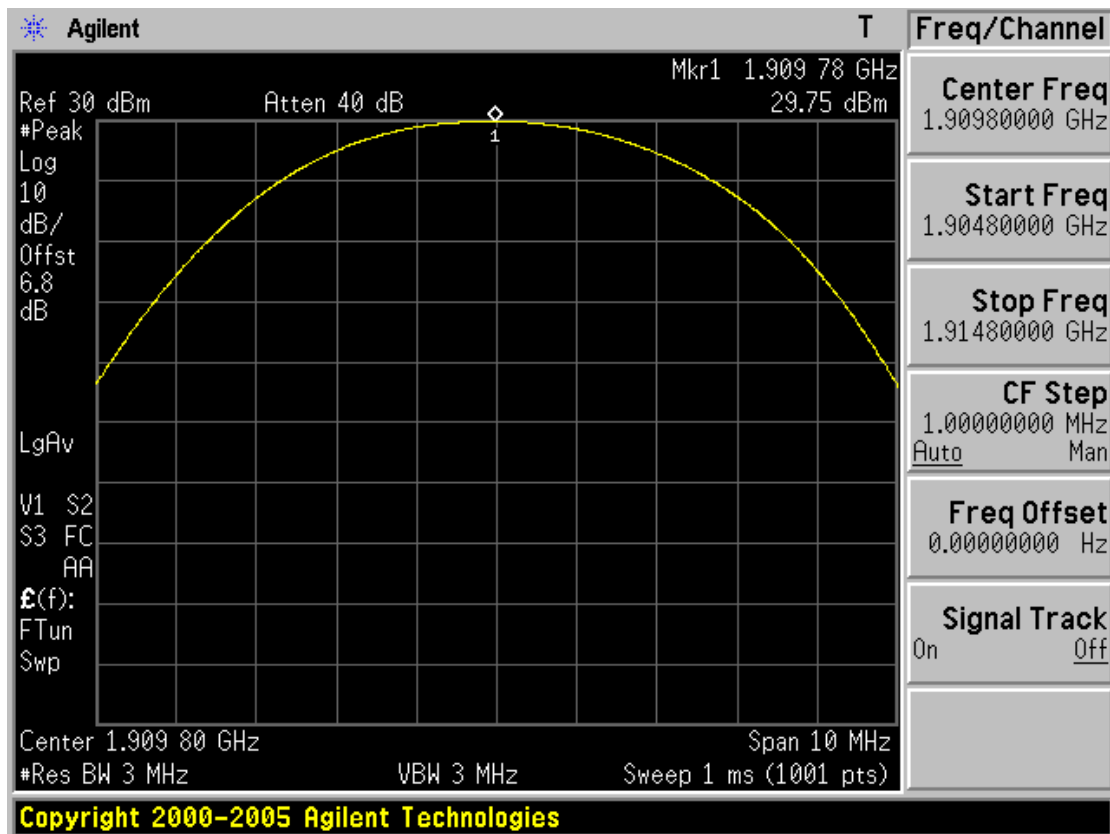
POWER OUT. PCS1900 Ch.512



POWER OUT. PCS1900 Ch.661



POWER OUT. PCS1900 Ch.810



ERP (GSM850)

FCC ID : **PH7PG130**
 Specification : 47 CFR 22.913(a)
 Tested Frequency : 824.2MHz, 836.6MHz and 848.8MHz for GSM850
 RBW=VBW : 3MHz

Measurement Procedure:

Effective Radiated Power Output Measurements by Substitution Method

according to ANSI/TIA/EIA-603-C 2004

The EUT was placed on a wooden turntable 3-meters from the receive antenna. The receive antenna height and turntable rotation was 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. The conducted power at the terminals of the dipole is measured. The ERP is recorded.

Measurement Data:

Channel	Frequency (MHz)	TEST CONDITIONS				Power Step: 5	
		Ref. level (dBm)	Pol. (H/V)	ERP (dBm)	ERP (W)	Power Supply	Note.
128	824.2	-4.44	V	33.74	2.365	Adaptor	-
190	836.6	-3.86	V	34.21	2.639	Adaptor	-
251	848.8	-4.08	V	33.92	2.463	Adaptor	-

EIRP (PCS1900)

FCC ID : **PH7PG130**
 Specification : 47 CFR 24.232(b)
 Tested Frequency : 1850.2MHz, 1880.0MHz and 1909.8MHz for PCS1900
 RBW=VBW : 3MHz

Measurement Procedure:

Effective Radiated Power Output Measurements by Substitution Method

according to ANSI/TIA/EIA-603-C 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. 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 receive spectrum analyzer reading. The conducted power at the terminals of the Horn antenna is measured. The difference between the gain of the horn and an isotropic antenna is taken into consideration and the EIRP is recorded.

Measurement Data:

Channel	Frequency (MHz)	TEST CONDITIONS Power Step: 0						Note
		Ref. level (dBm)	Pol. (H/V)	ANT GAIN	EIRP (dBm)	EIRP (W)	Power Supply	
512	1850	-15.94	V	8.42	29.38	0.868	Adaptor	-
661	1879	-14.36	V	8.50	30.15	1.036	Adaptor	-
810	1909	-13.74	V	8.57	30.55	1.135	Adaptor	-

3.3 Occupied Bandwidth

FCC ID : **PH7PG130**
 Specification : 47 CFR 2.1049 (h)(i)
 Tested Frequency : 824.2MHz, 836.6MHz and 848.8MHz for GSM850
 1850.2MHz, 1880.0MHz and 1909.8MHz for PCS1900

Measurement Procedure:

- The 99% power bandwidth was measured with a calibrated spectrum analyzer.
- Spectrum analyzer plots are included on the following pages.

Measurement Data:

GSM850

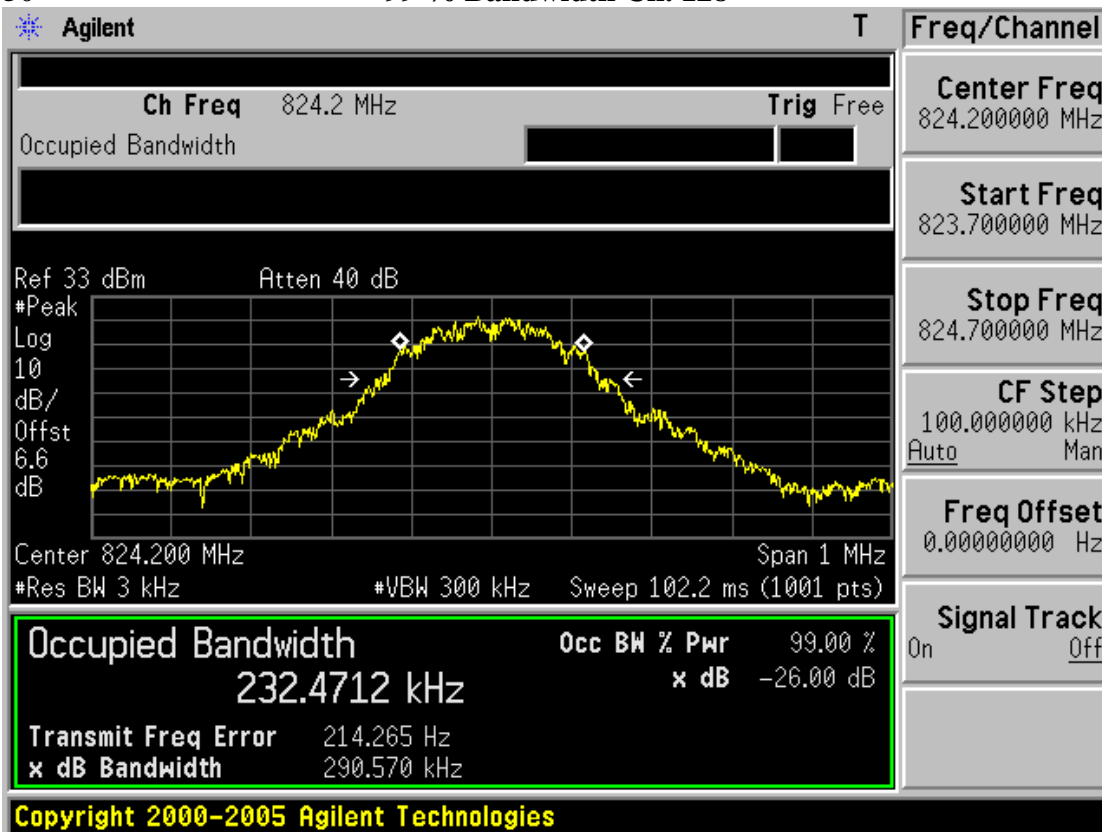
Channel	Frequency (MHz)	99% Bandwidth
		(kHz)
128	824.2	232.471
190	836.6	239.623
251	848.8	233.195

PCS1900

Channel	Frequency (MHz)	99% Bandwidth
		(kHz)
512	1850.2	234.594
661	1880.0	233.584
810	1909.8	237.607

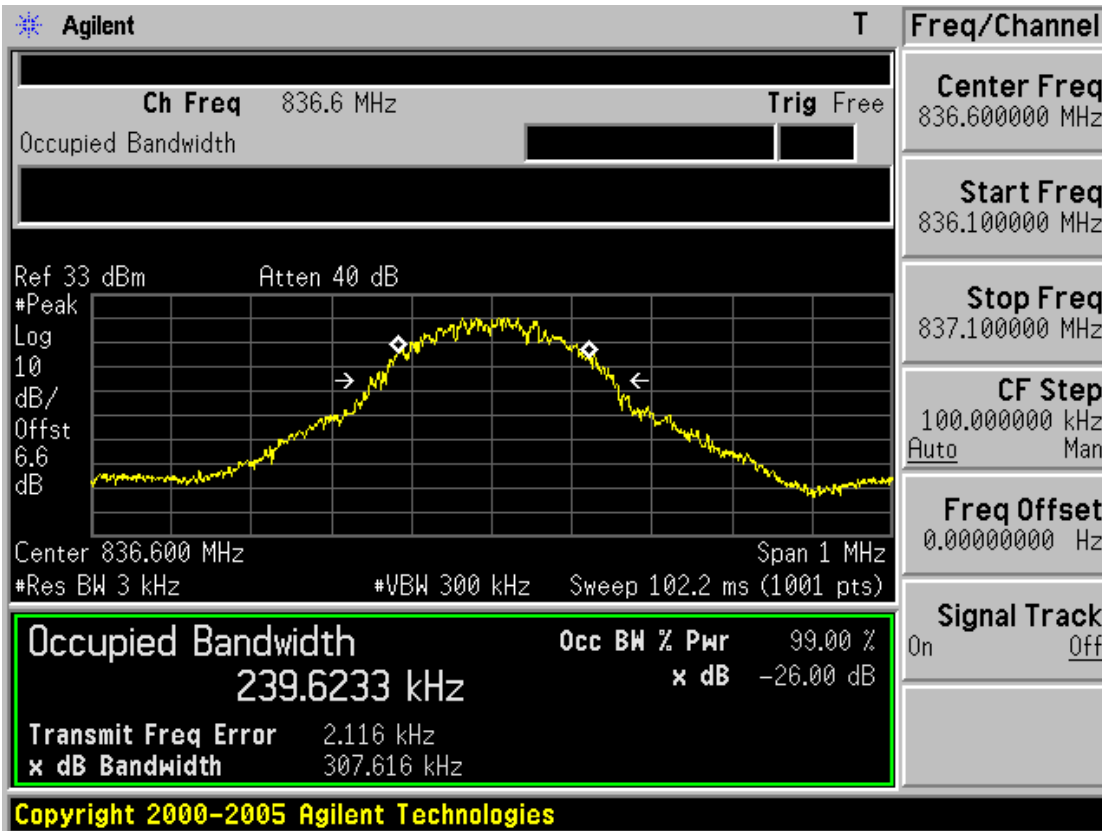
GSM850

99 % Bandwidth Ch. 128



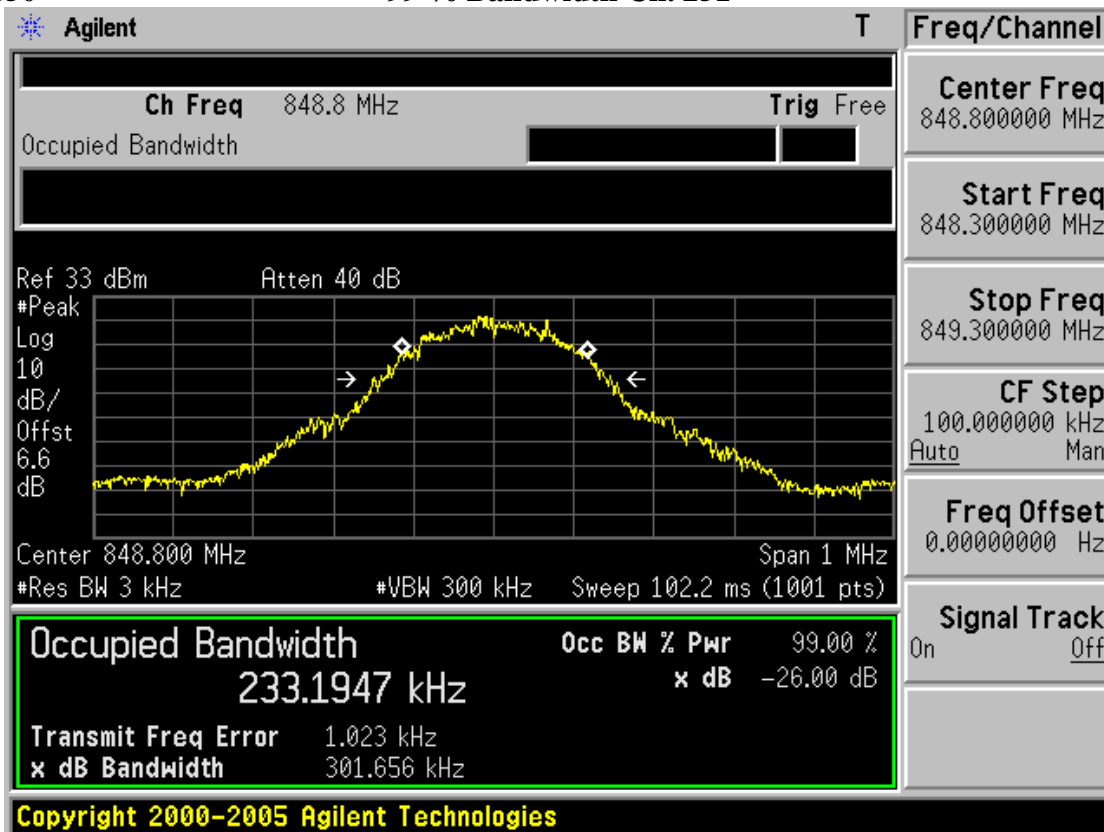
GSM850

99 % Bandwidth Ch. 190



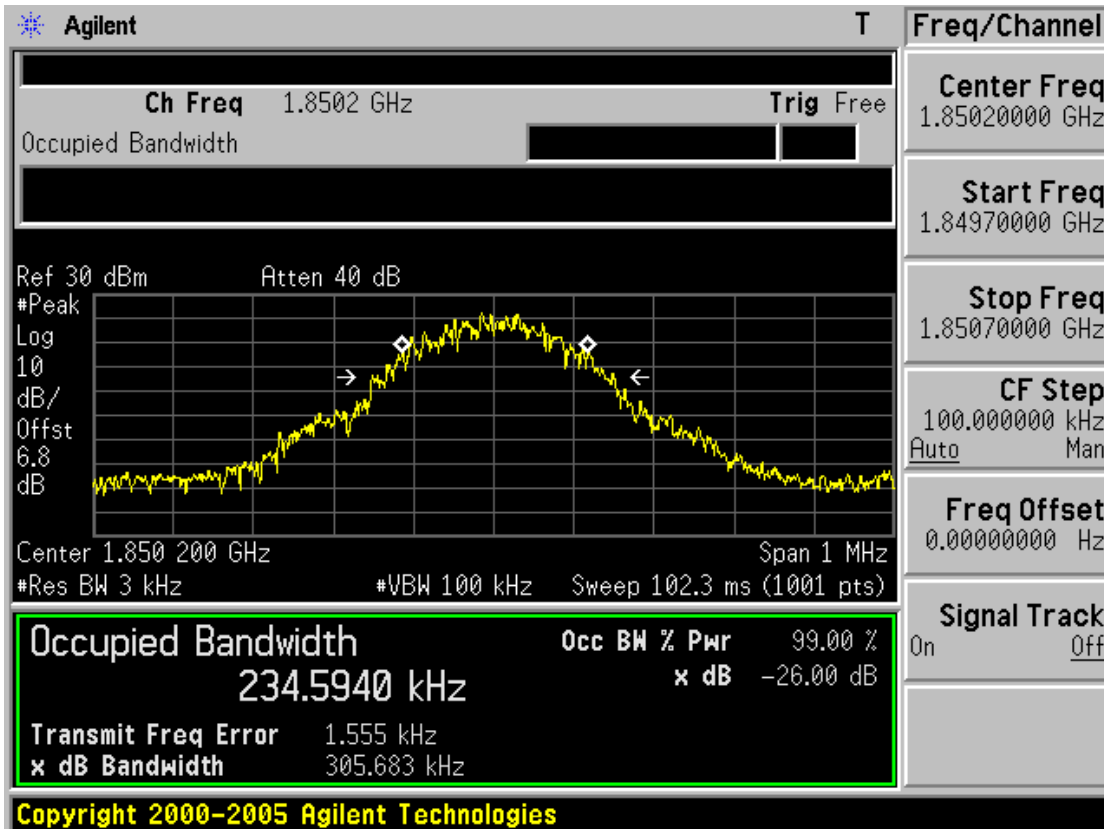
GSM850

99 % Bandwidth Ch. 251



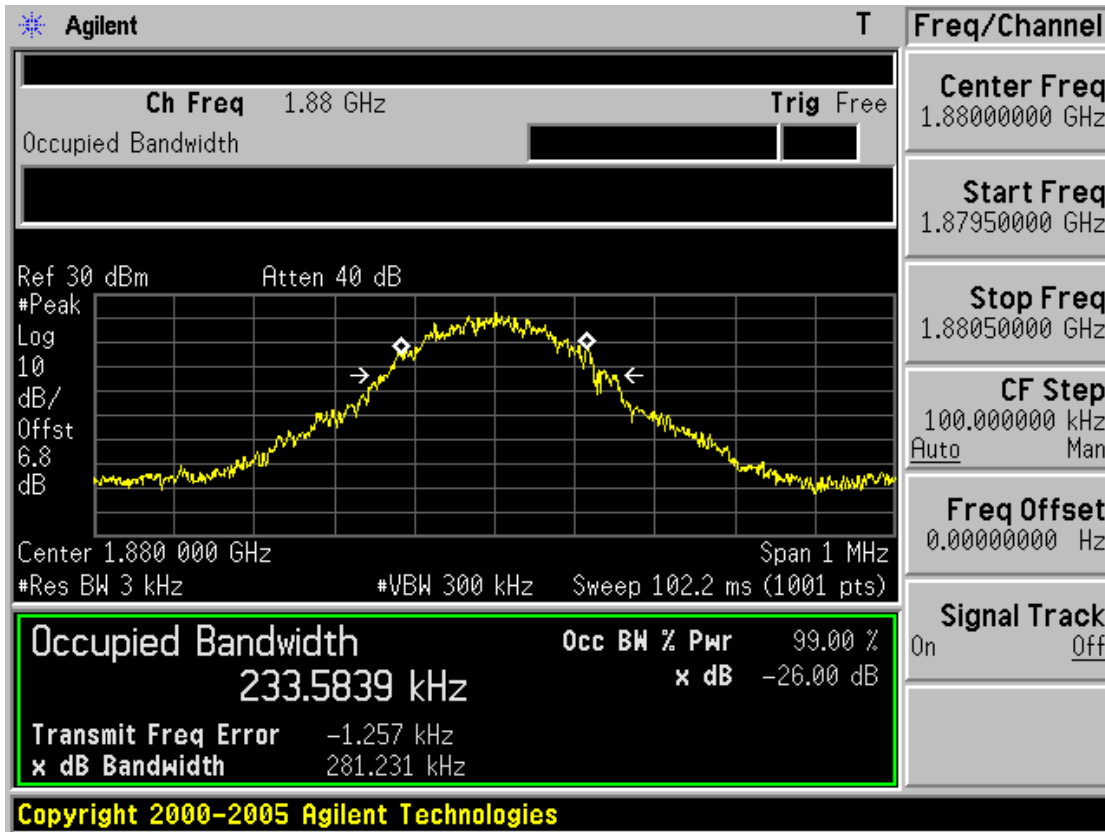
PCS1900

99 % Bandwidth Ch. 512



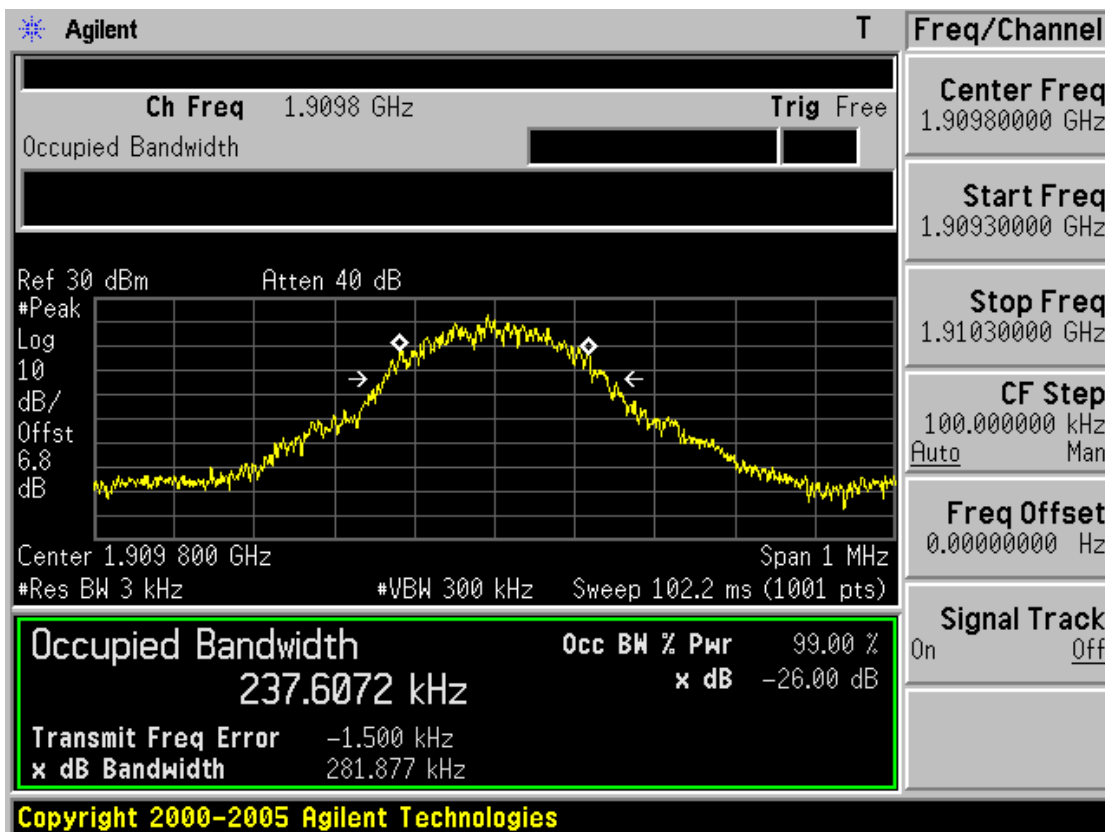
PCS1900

99 % Bandwidth Ch. 661



PCS1900

99 % Bandwidth Ch. 810



3.4 Occupied Bandwidth Emission Limit

FCC ID : **PH7PG130**
 Specification : 47 CFR 24.238(b)
 Tested Frequency : 824.2MHz, 836.6MHz and 848.8MHz for GSM850
 1850.2MHz, 1880.0MHz and 1909.8MHz for PCS1900

Measurement Procedure:

- (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+10log(P) dB.
- (b) Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1MHz or greater. However, in the 1MHz 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 26dB below the transmitter power.
- (c) 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.
- Spectrum analyzer plots are included on the following pages.

Measurement Data:

GSM850

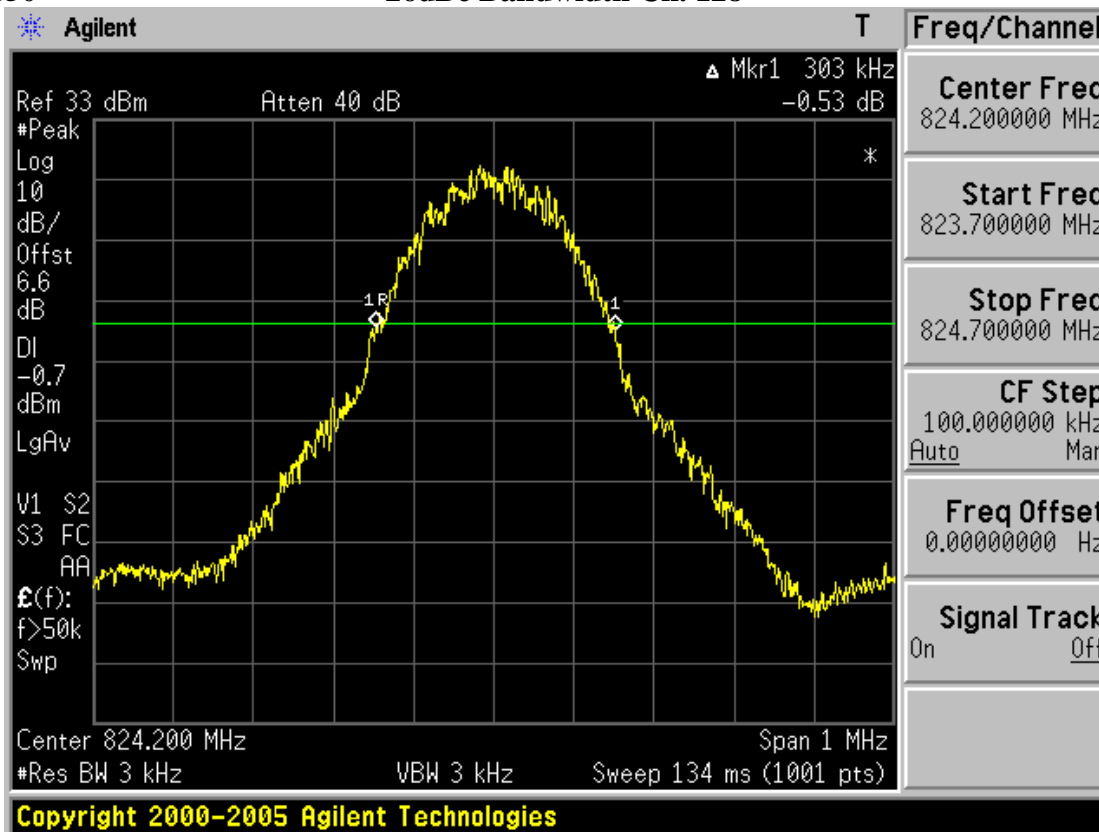
Channel	Frequency (MHz)	-26dBc Bandwidth
		(kHz)
128	824.2	303
190	836.6	296
251	848.8	296

PCS1900

Channel	Frequency (MHz)	-26dBc Bandwidth
		(kHz)
512	1850.2	301
661	1880.0	308
810	1909.8	308

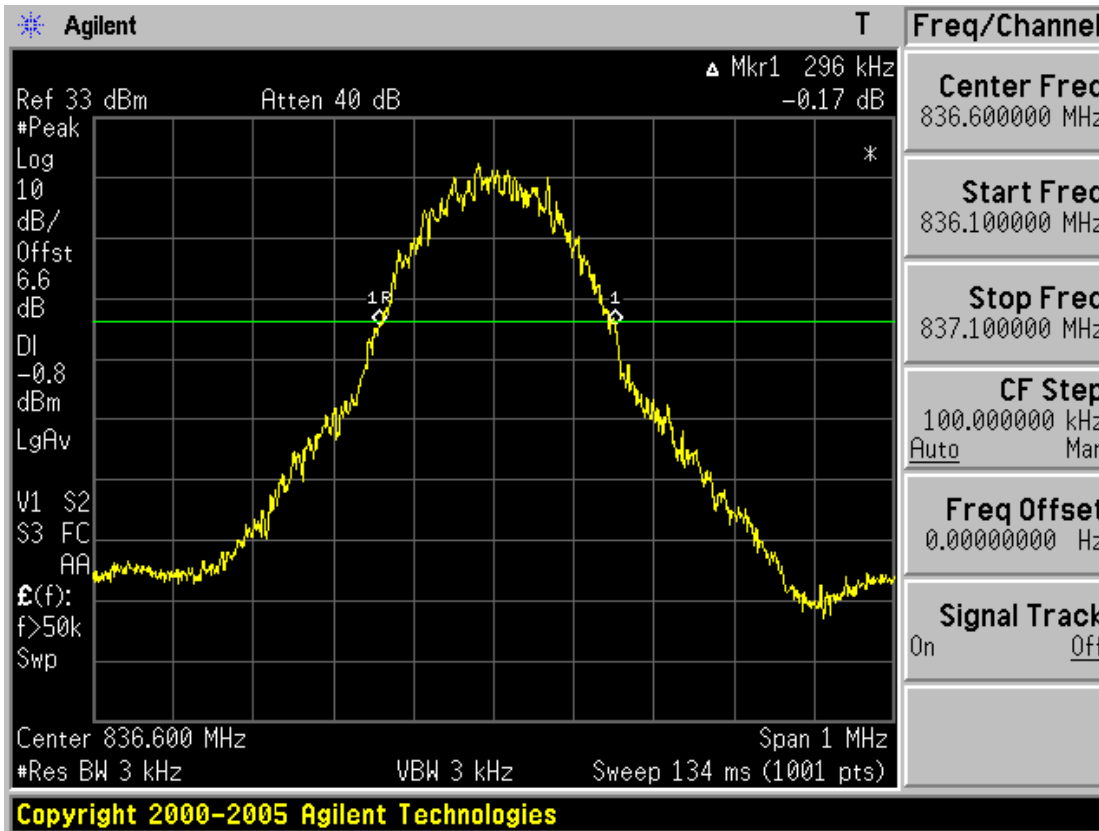
GSM850

-26dBc Bandwidth Ch. 128



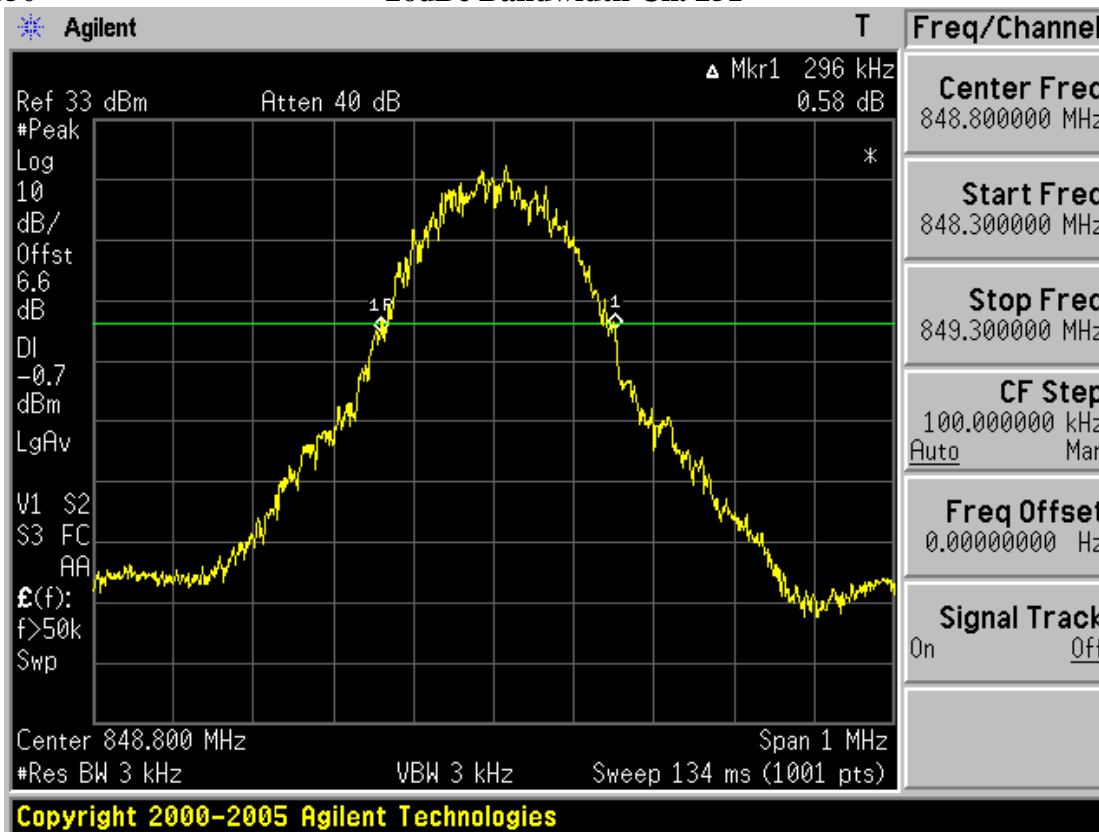
GSM850

-26dBc Bandwidth Ch. 190



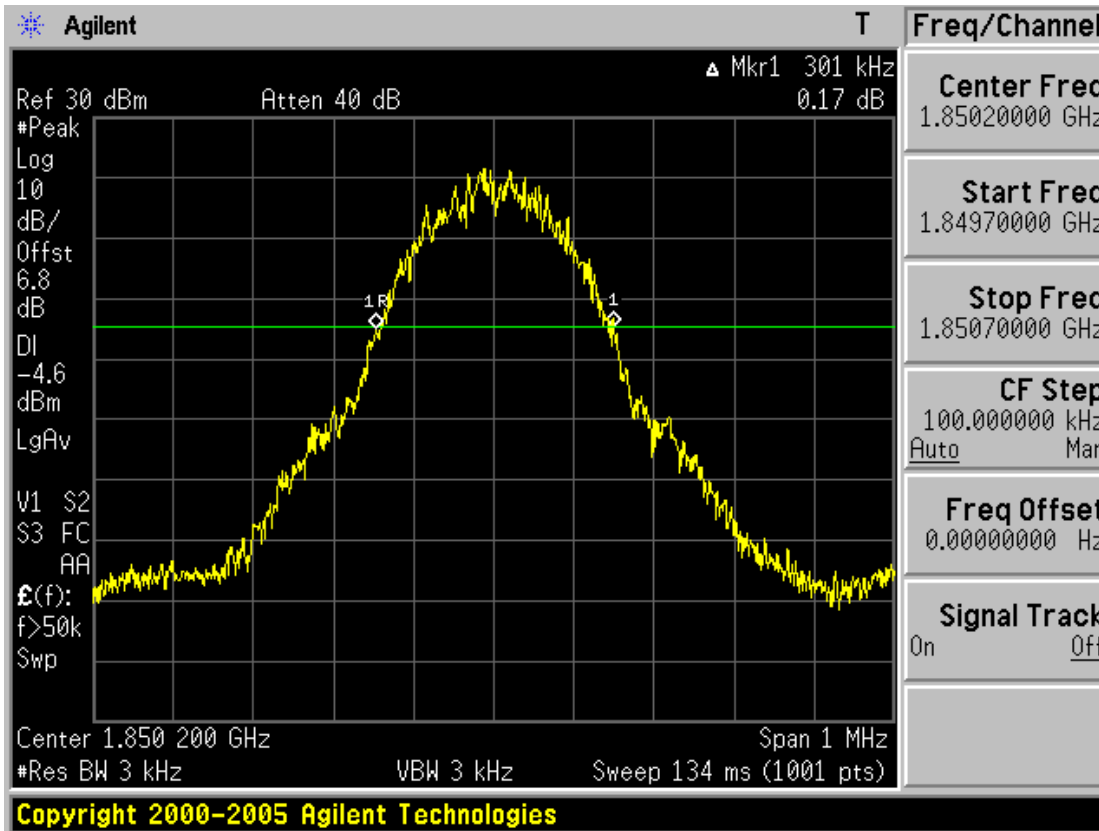
GSM850

-26dBc Bandwidth Ch. 251



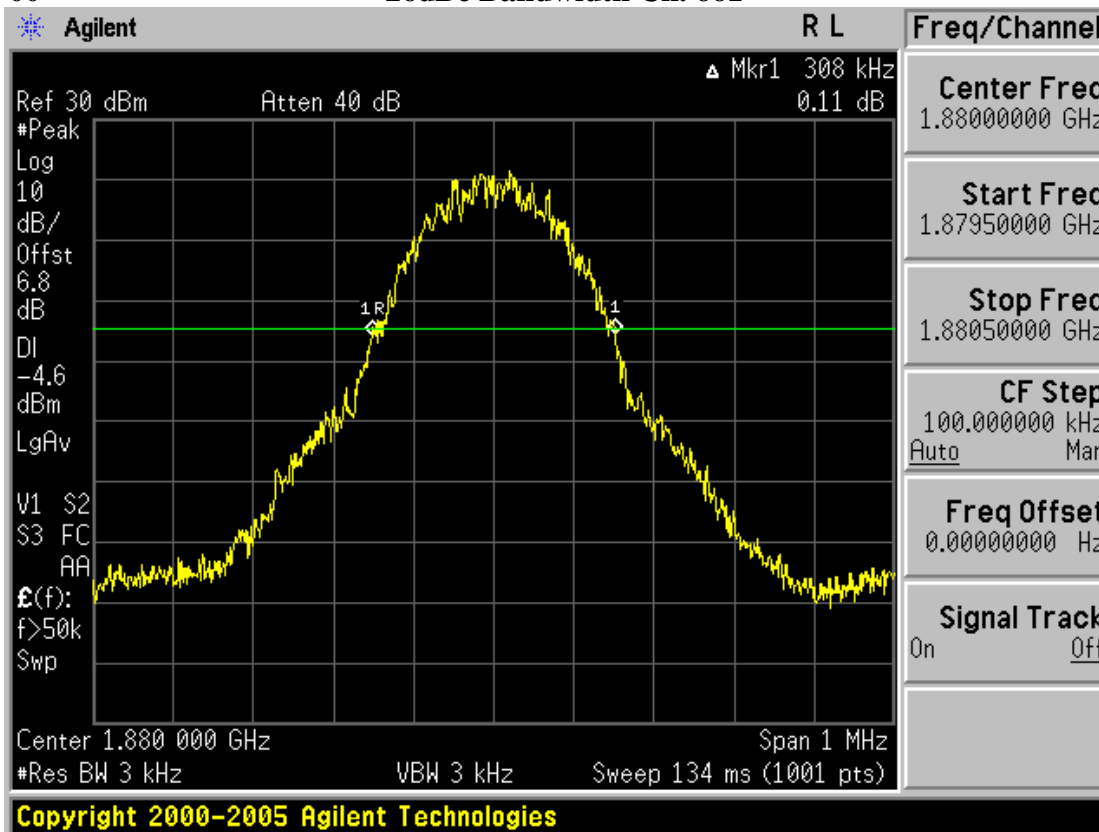
PCS1900

-26dBc Bandwidth Ch. 512



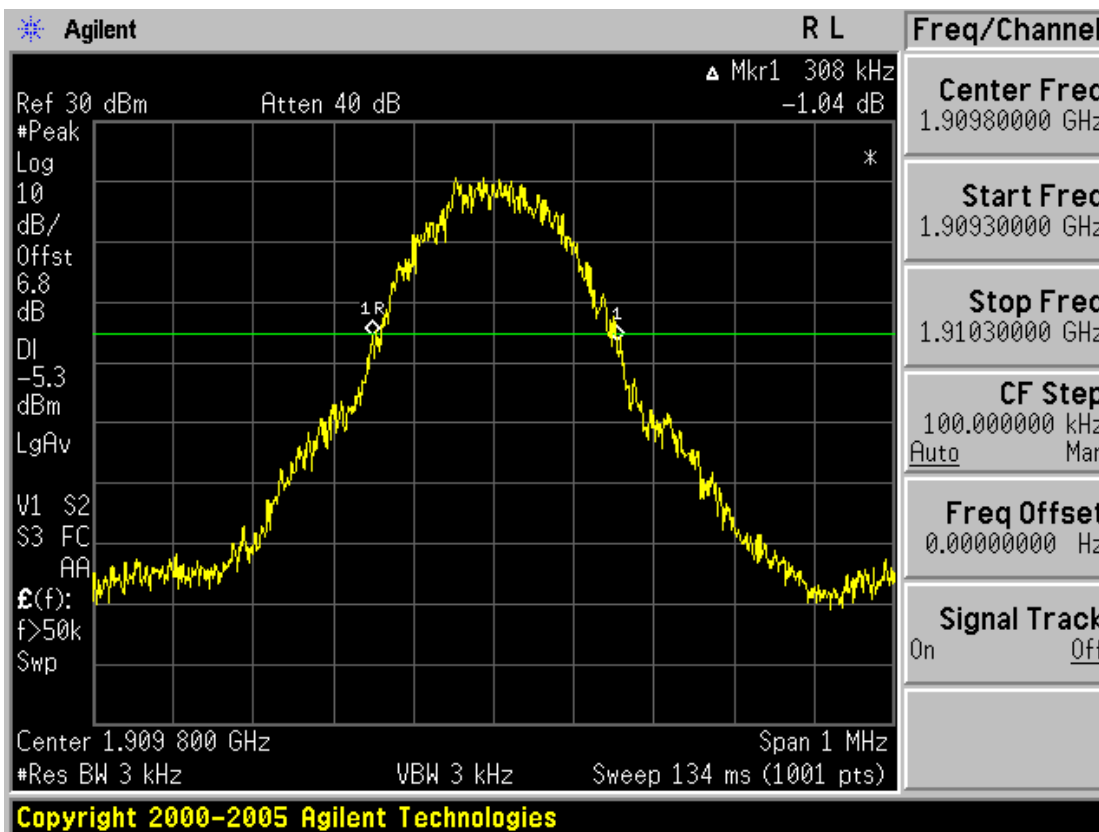
PCS1900

-26dBc Bandwidth Ch. 661



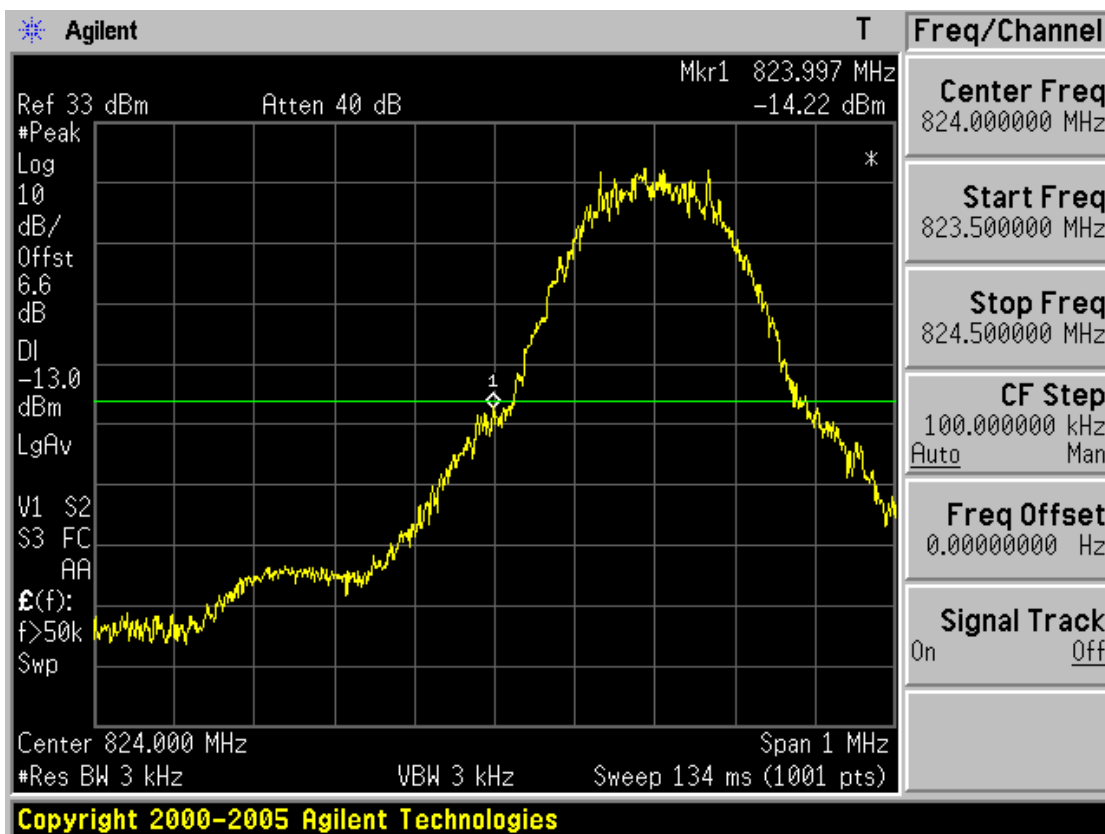
PCS1900

-26dBc Bandwidth Ch. 810



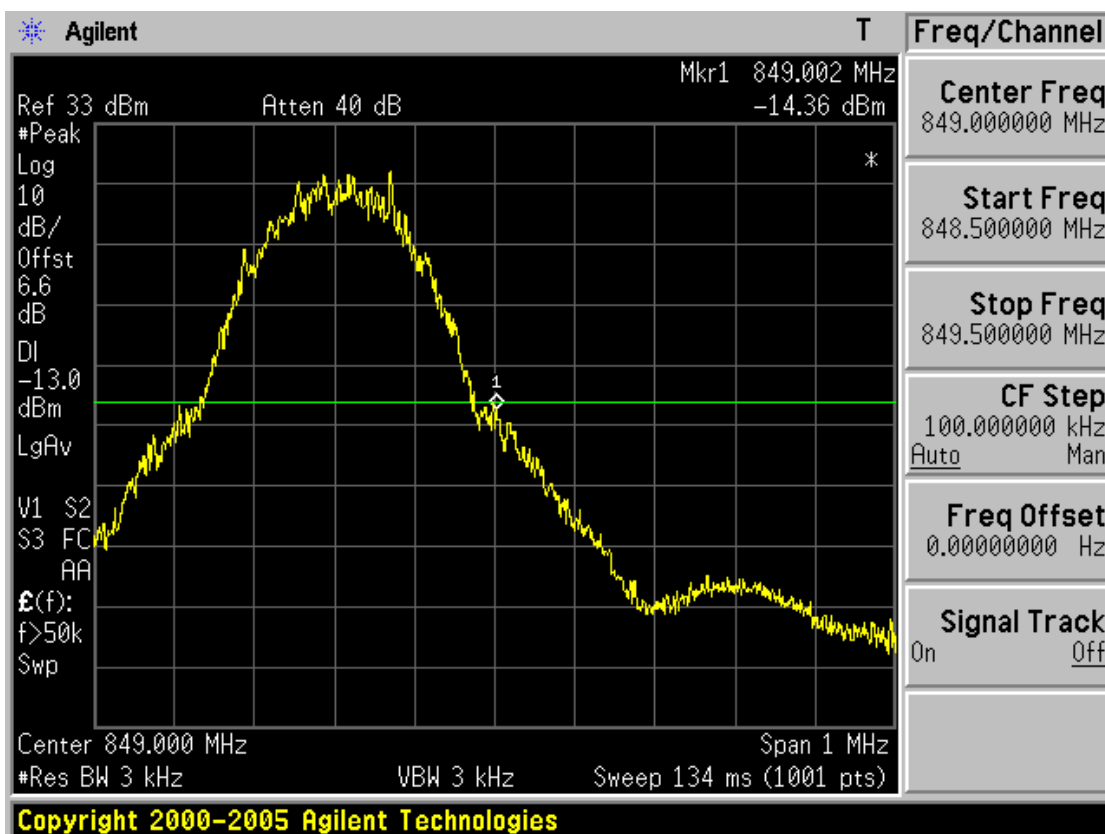
GSM850

Band Edge Ch. 128



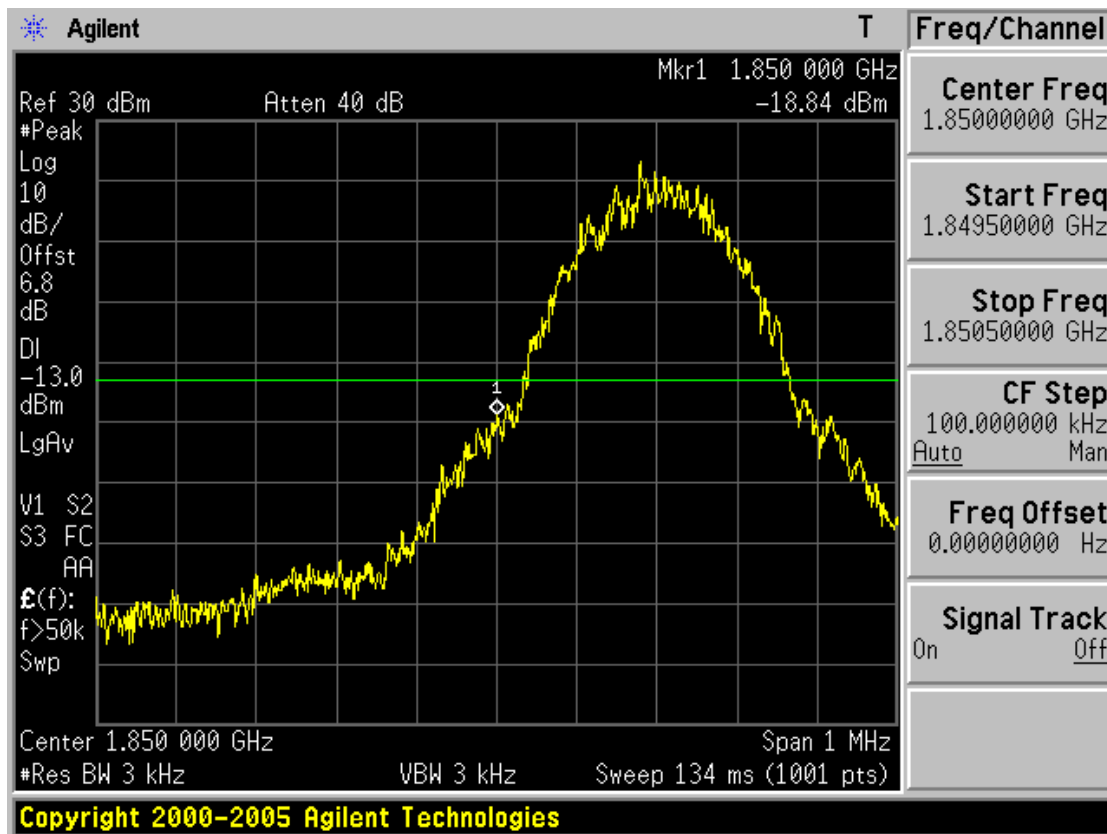
GSM850

Band Edge Ch. 251



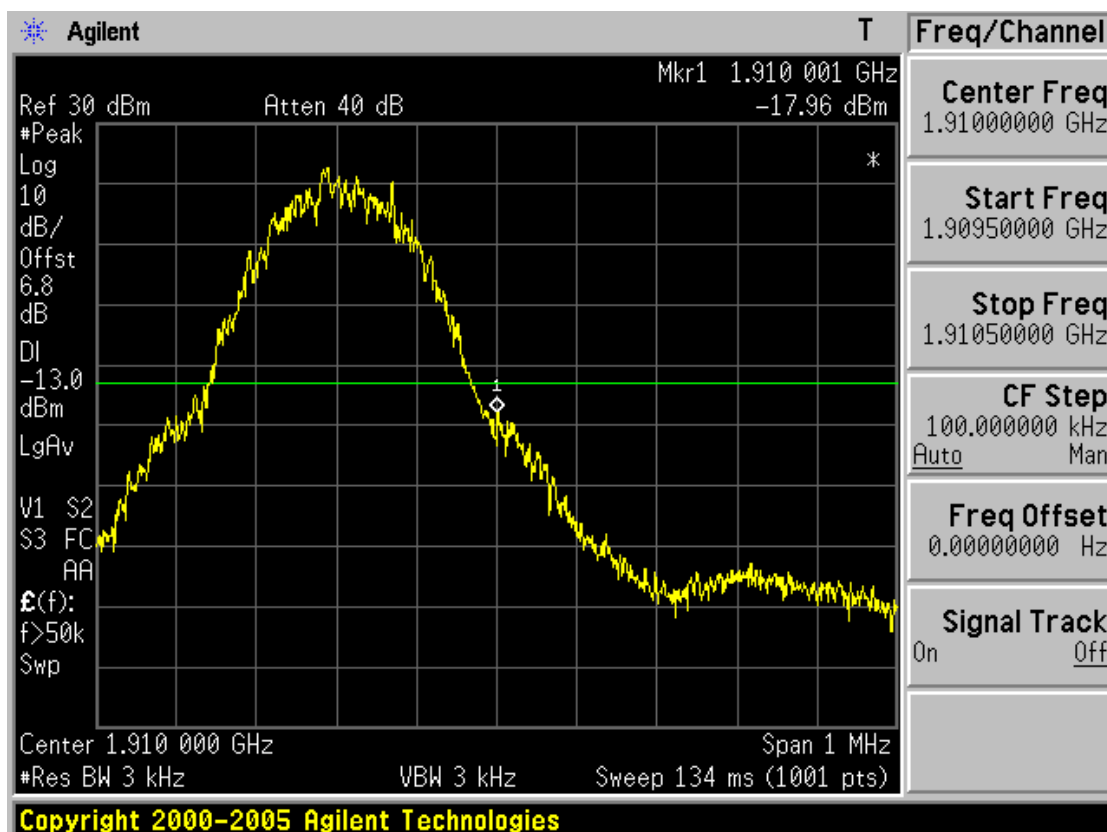
PCS1900

Band Edge Ch. 512



PCS1900

Band Edge Ch. 810



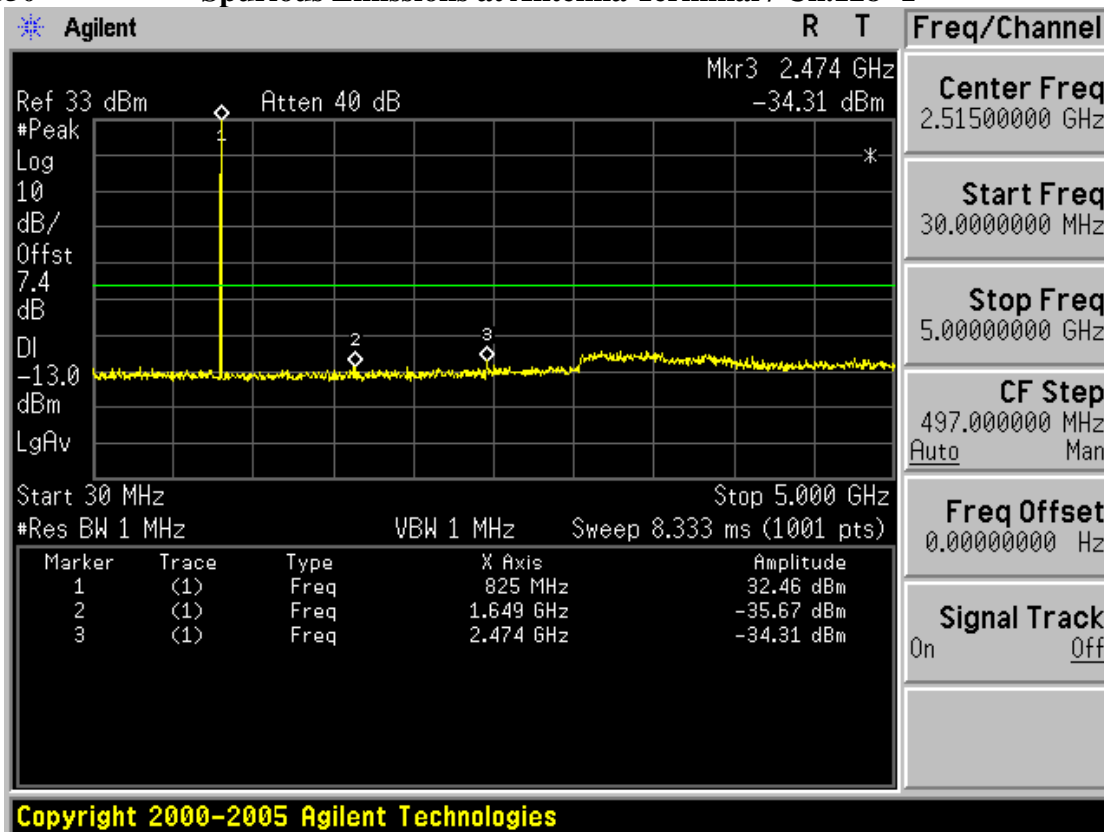
3.5 Spurious and Harmonic Emissions at Antenna Terminal

FCC ID	:	PH7PG130
Specification	:	47 CFR 2.1051, 24.238(a)
Tested Frequency	:	824.2MHz, 836.6MHz and 848.8MHz for GSM850 1850.2MHz, 1880.0MHz and 1909.8MHz for PCS1900

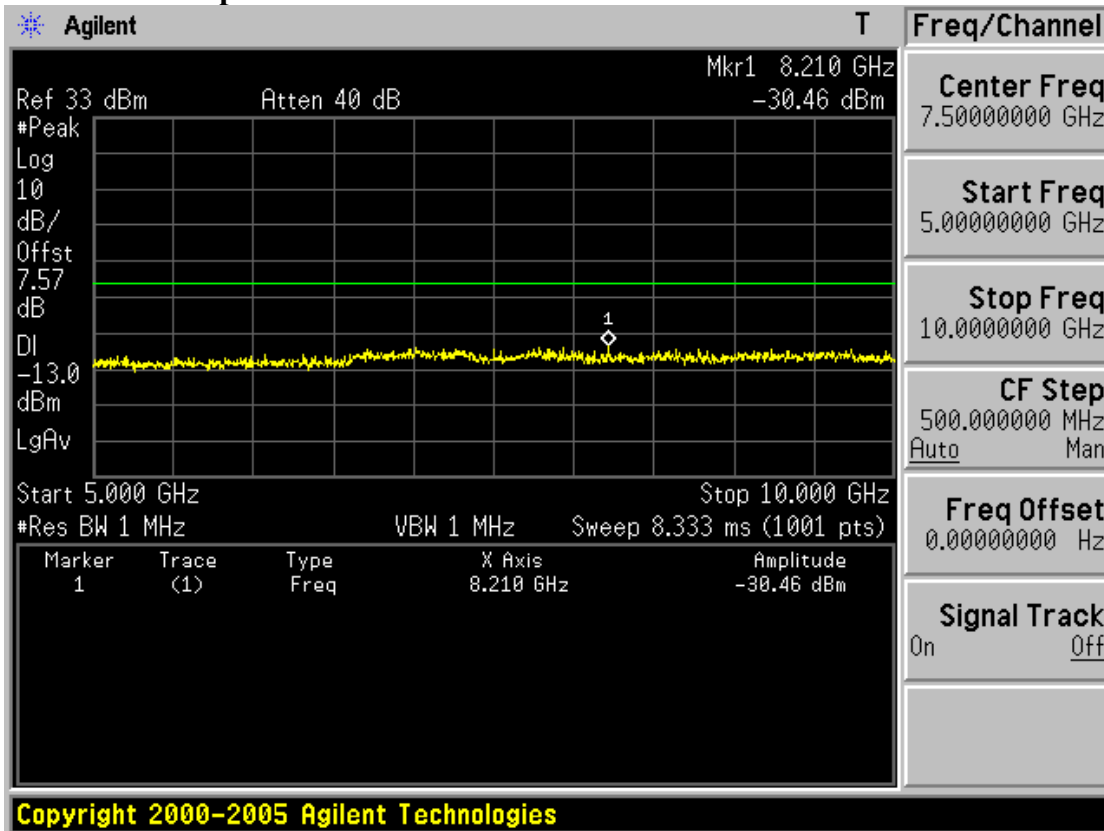
Measurement Procedure:

- 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 10'th harmonics of the highest frequency.
- Spectrum analyzer plots are included on the following pages.

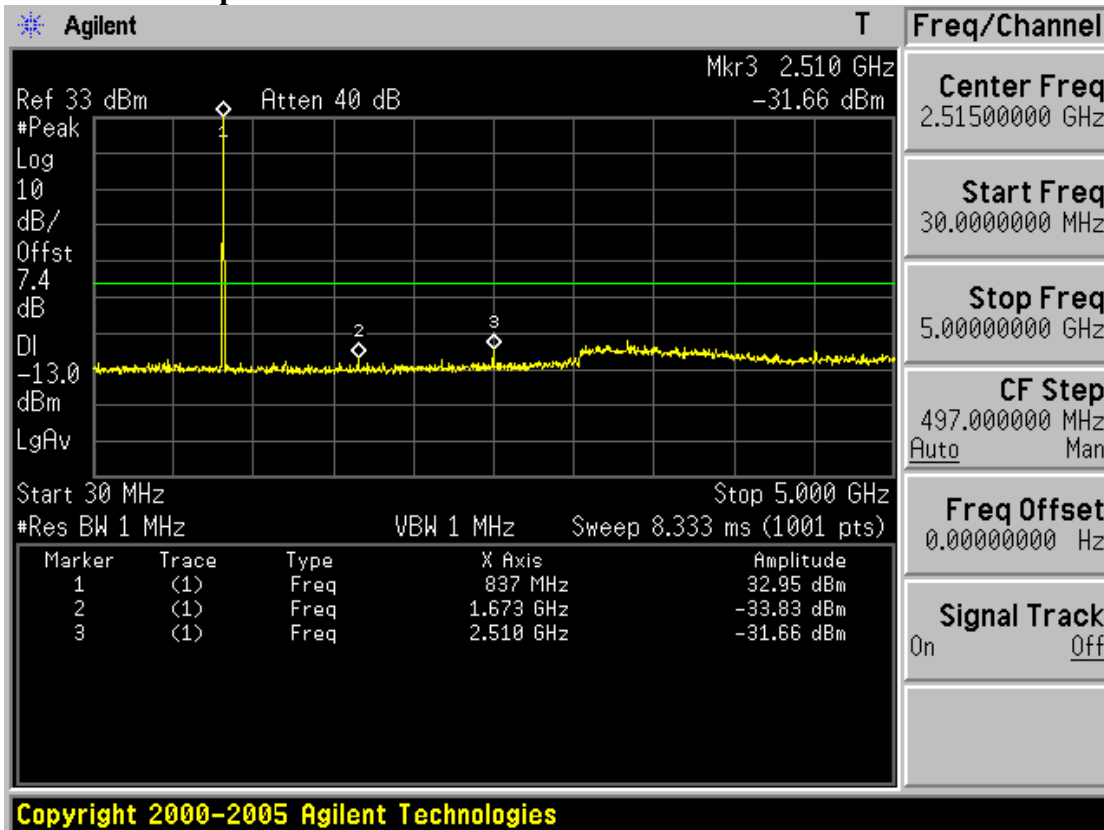
GSM850 Spurious Emissions at Antenna Terminal / Ch.128 -1



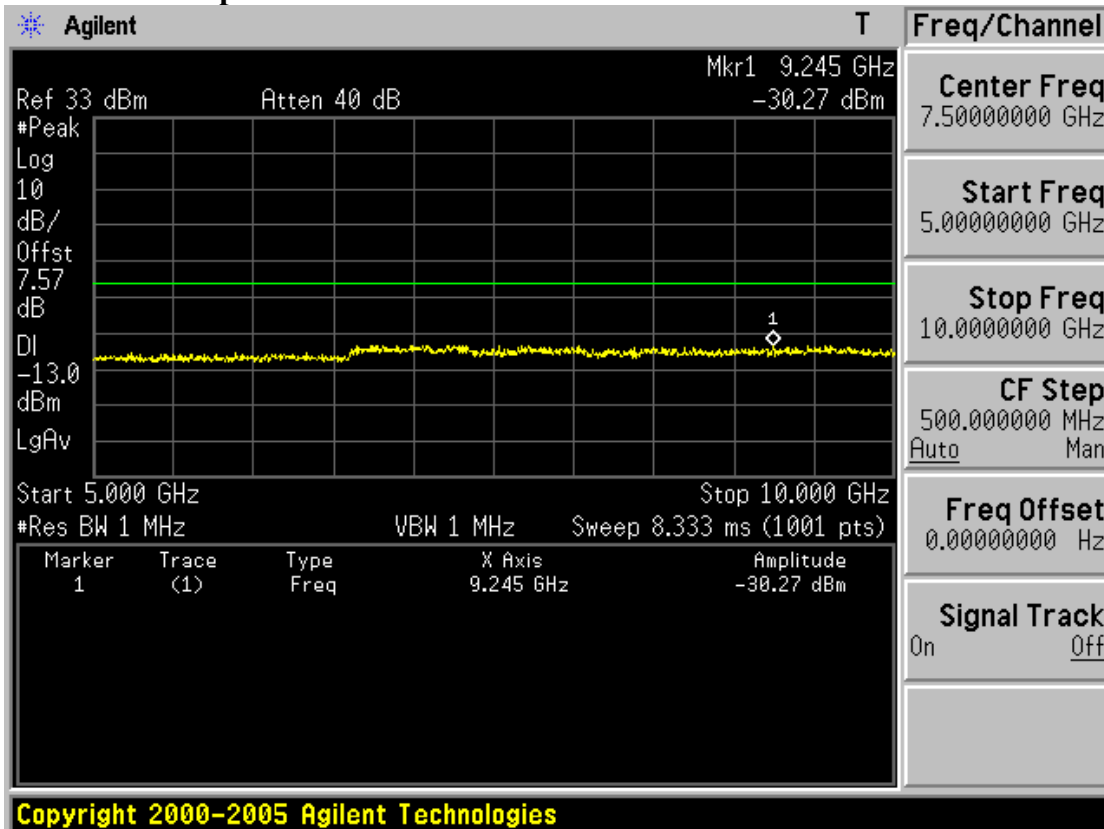
GSM850 Spurious Emissions at Antenna Terminal / Ch.128 -2



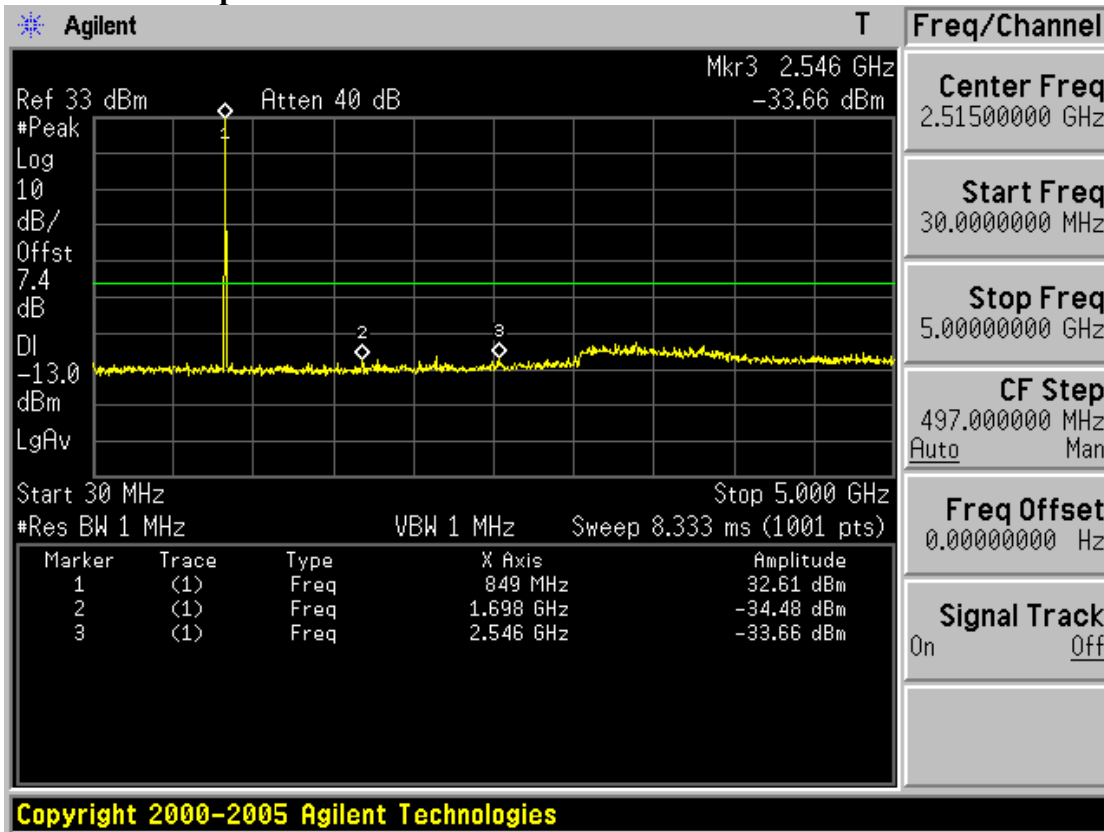
GSM850 Spurious Emissions at Antenna Terminal / Ch.190 -1



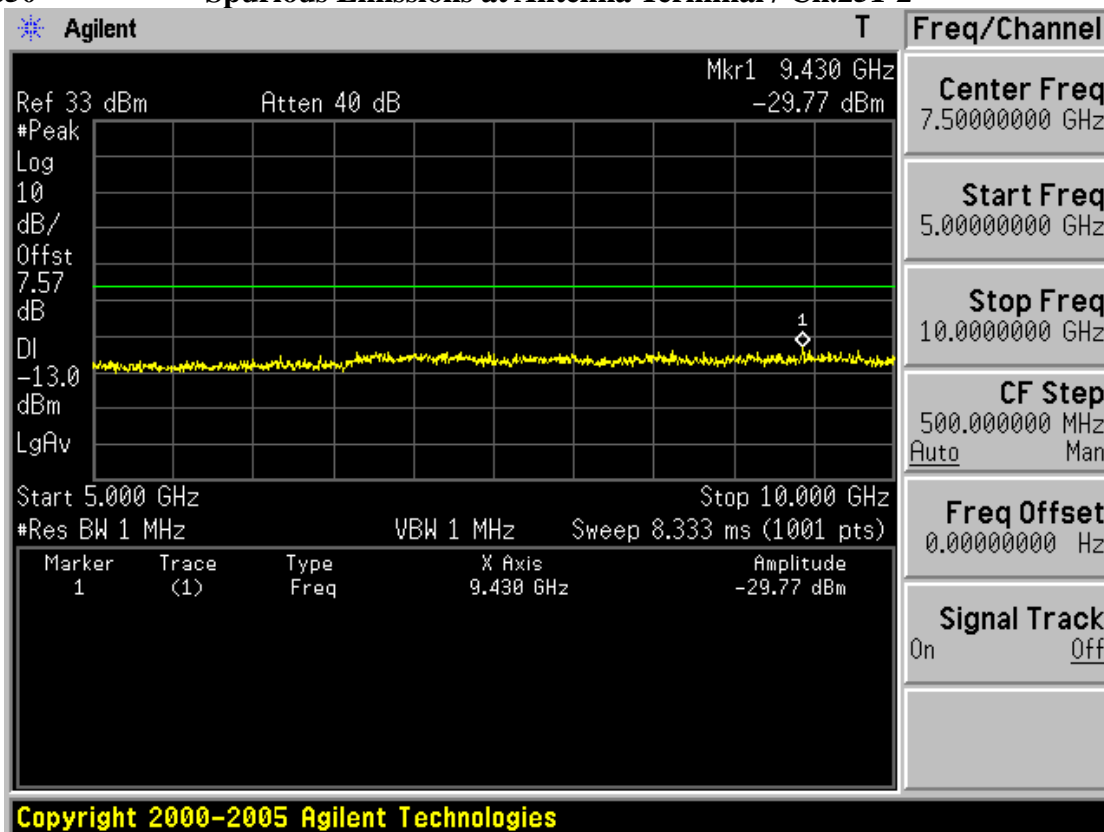
GSM850 Spurious Emissions at Antenna Terminal / Ch.190 -2



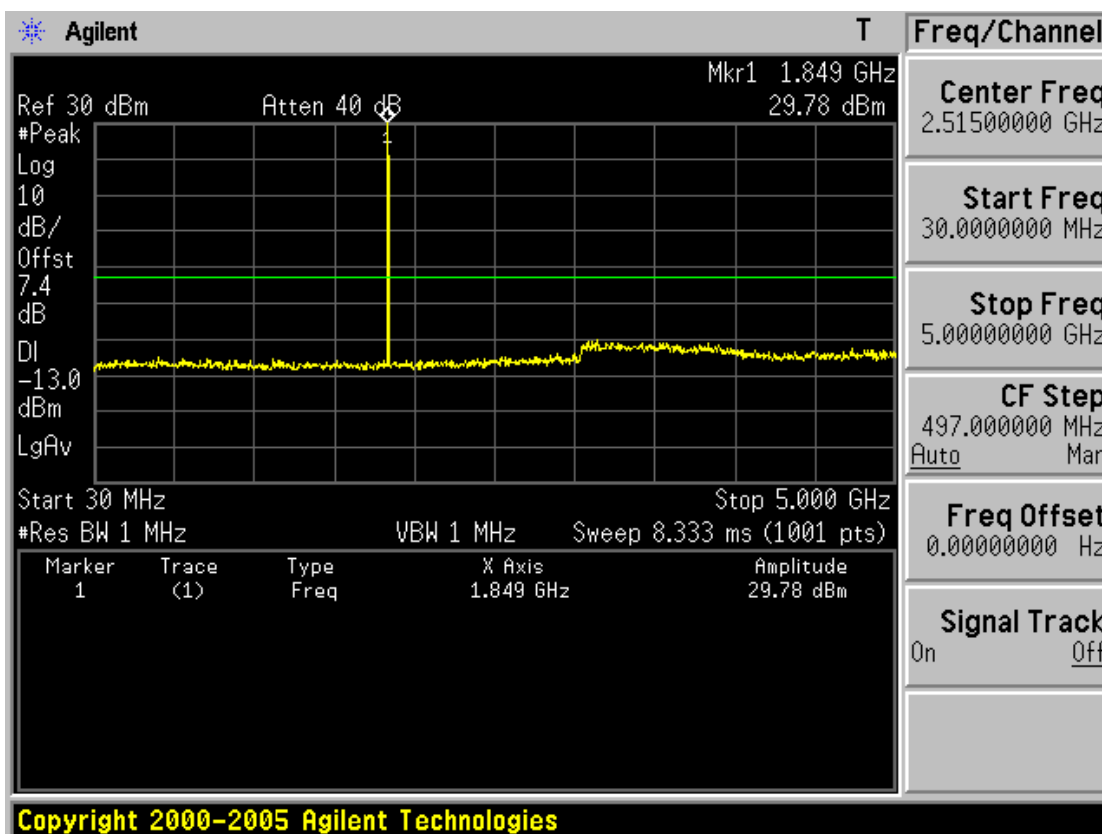
GSM850 Spurious Emissions at Antenna Terminal / Ch.251 -1



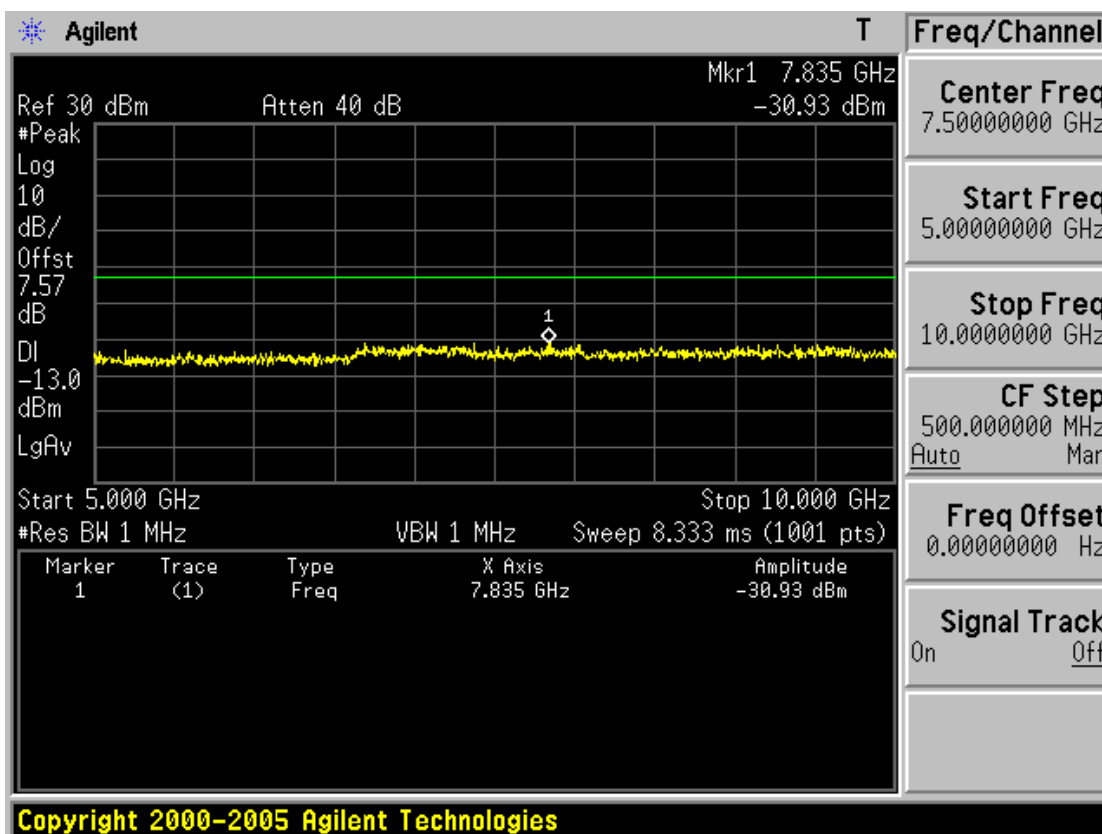
GSM850 Spurious Emissions at Antenna Terminal / Ch.251-2



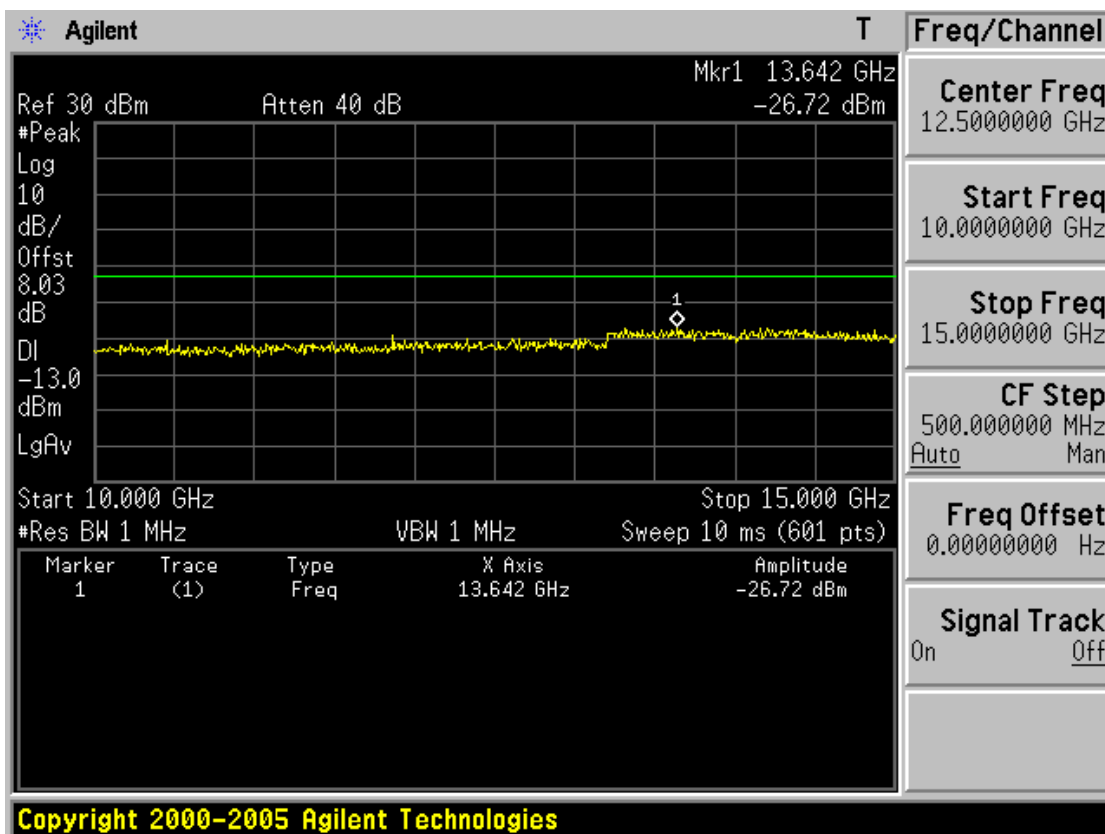
PCS1900 Spurious Emissions at Antenna Terminal / Ch.512 -1



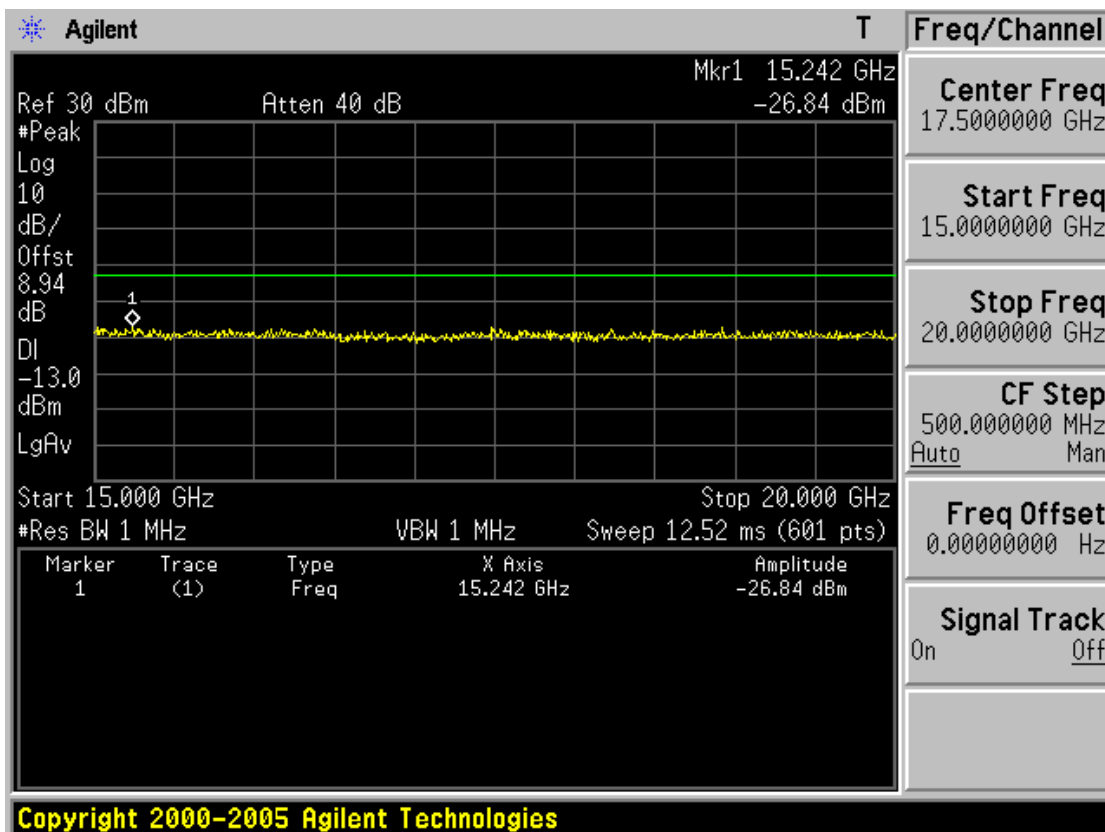
PCS1900 Spurious Emissions at Antenna Terminal / Ch.512 -2



PCS1900 Spurious Emissions at Antenna Terminal / Ch.512 -3

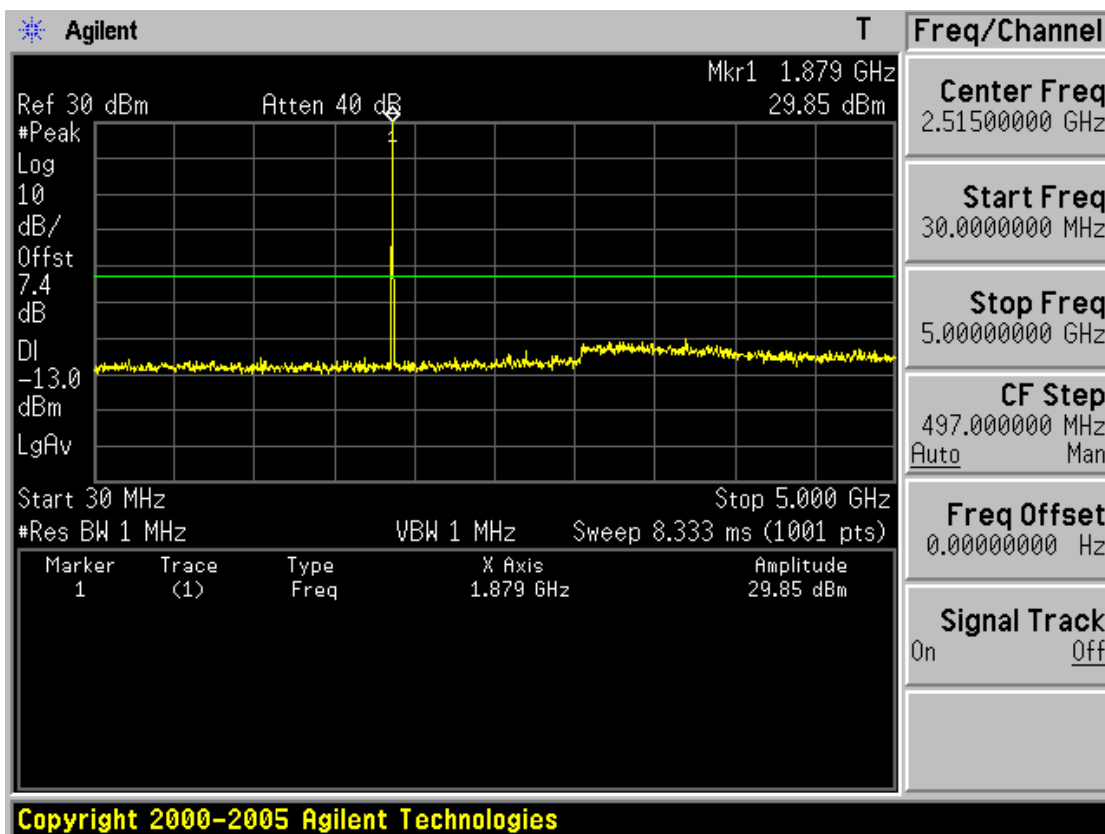


PCS1900 Spurious Emissions at Antenna Terminal / Ch.512 -4



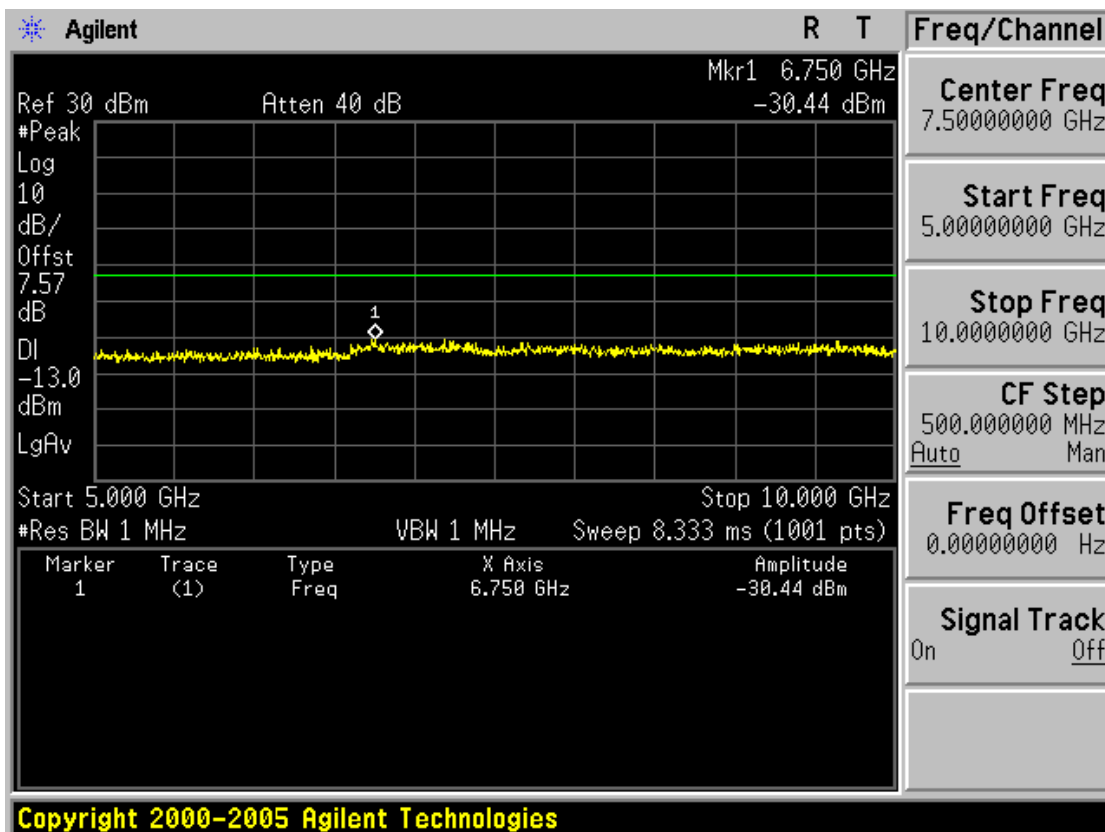
PCS1900

Spurious Emissions at Antenna Terminal / Ch.661 -1



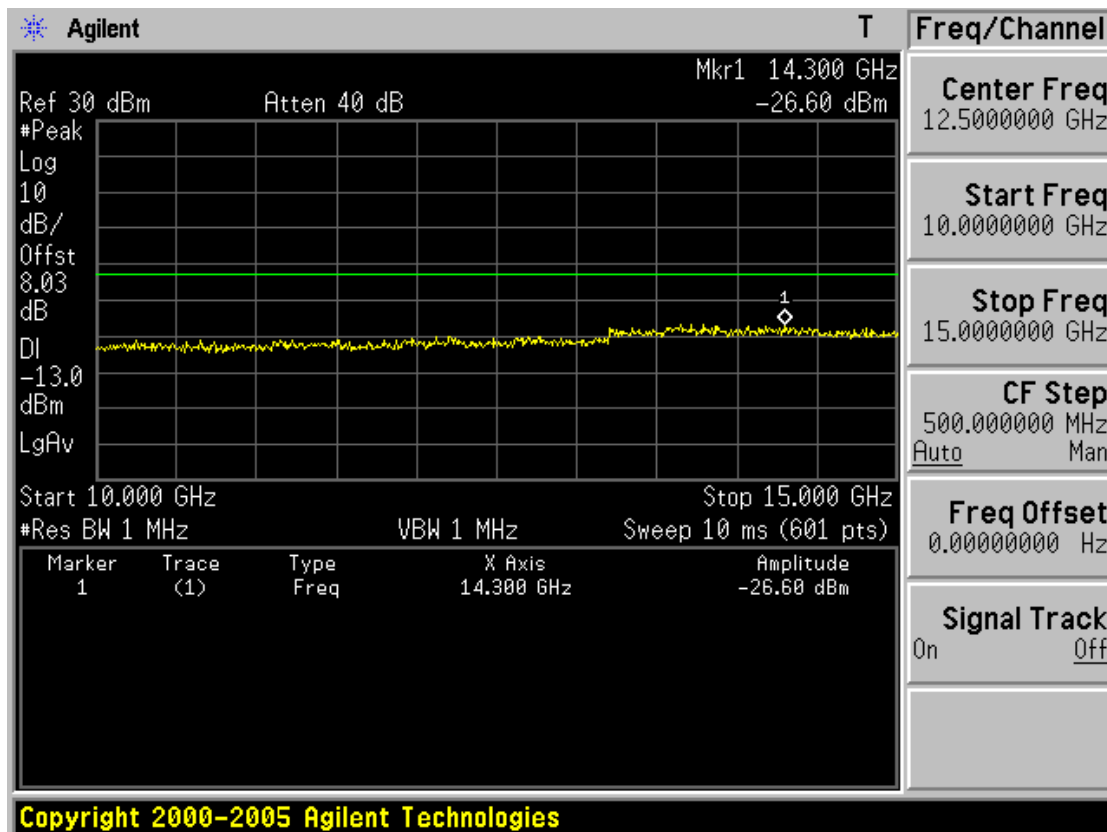
PCS1900

Spurious Emissions at Antenna Terminal / Ch.661 -2



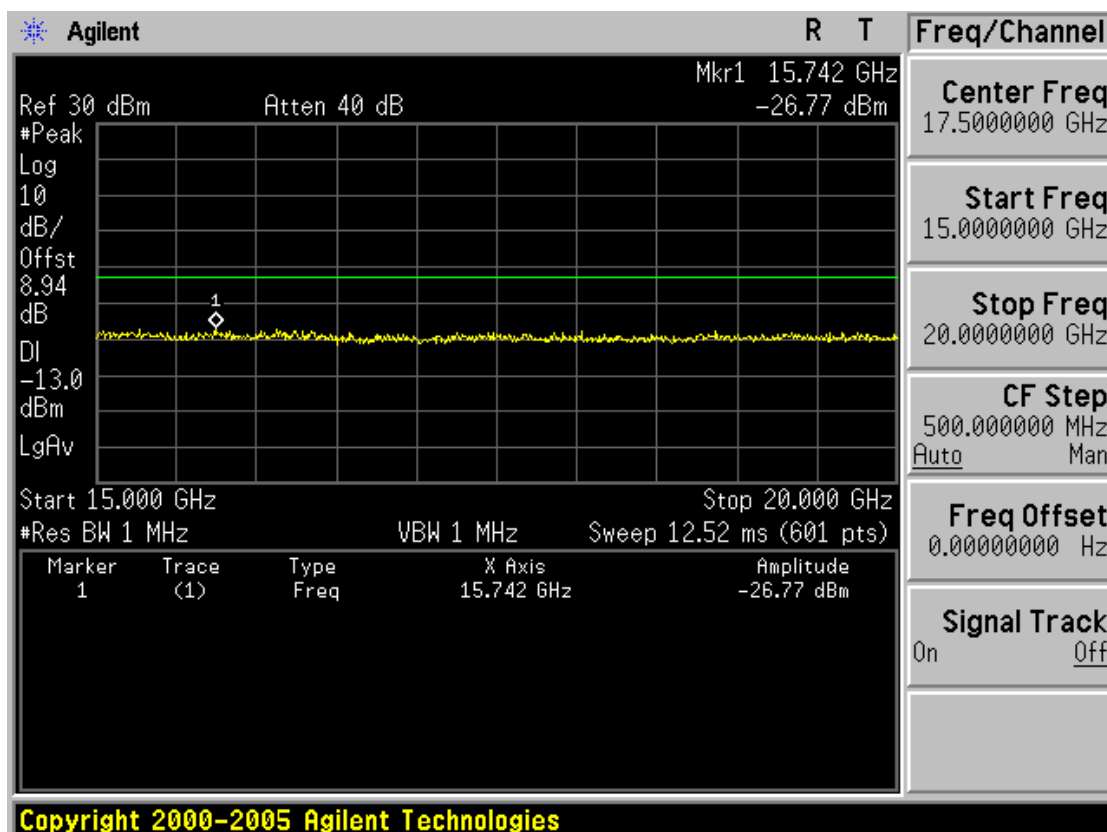
PCS1900

Spurious Emissions at Antenna Terminal / Ch.661 -3

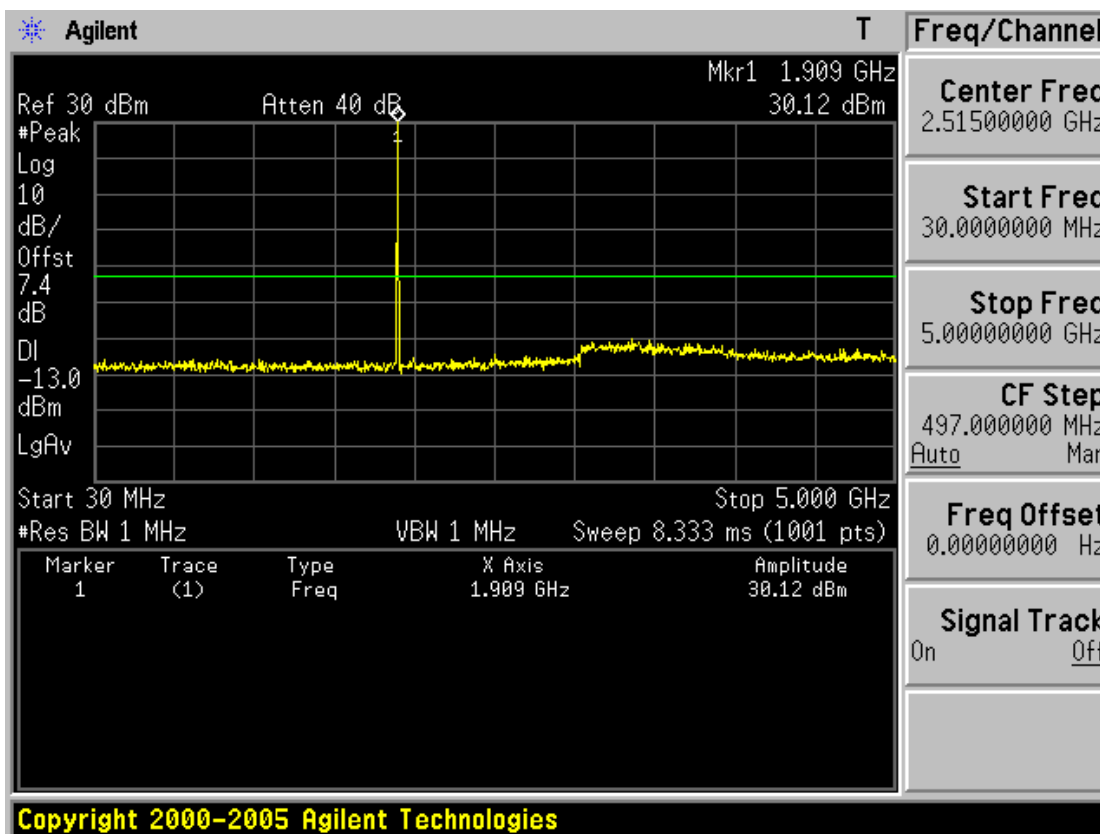


PCS1900

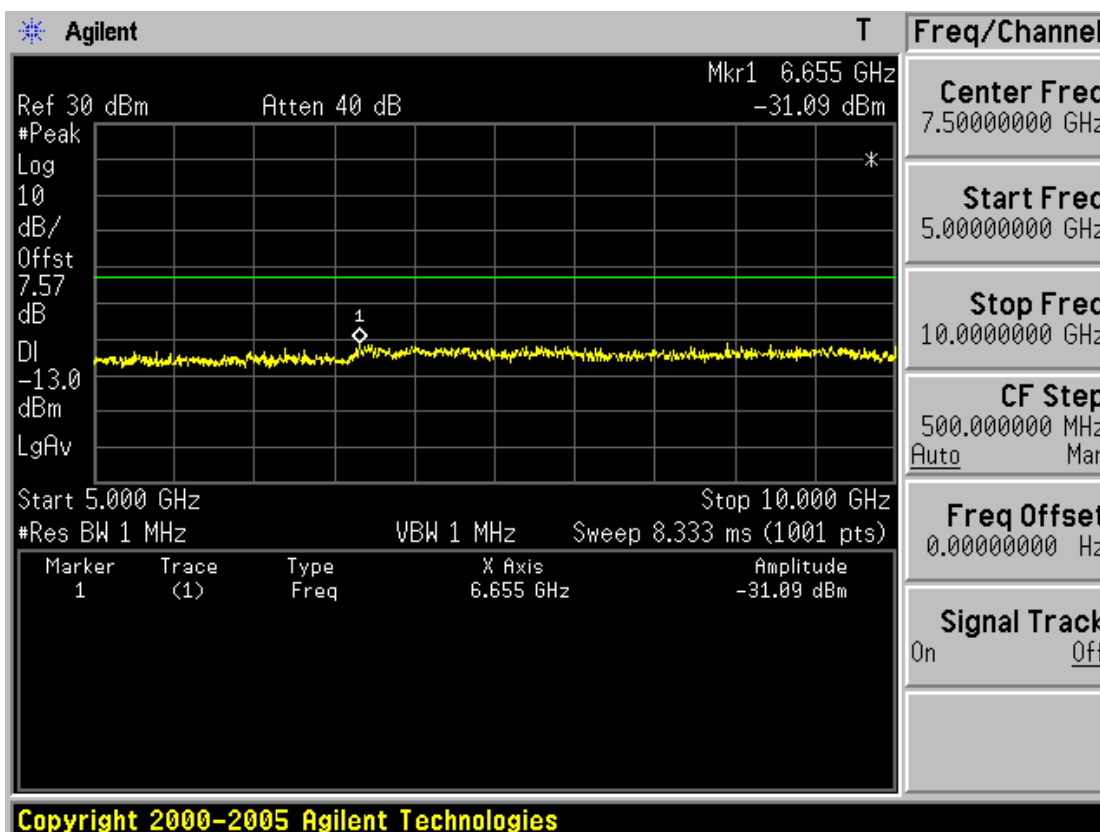
Spurious Emissions at Antenna Terminal / Ch.661 -4



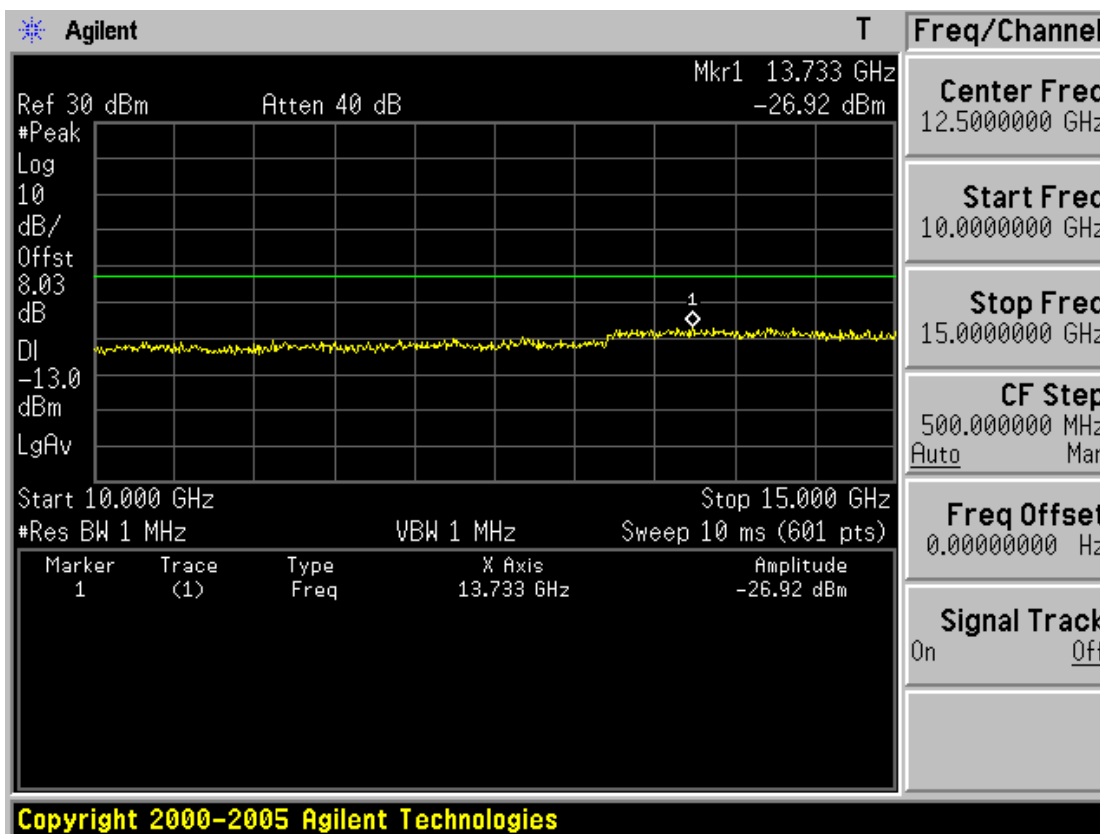
PCS1900 Spurious Emissions at Antenna Terminal / Ch.810 -1



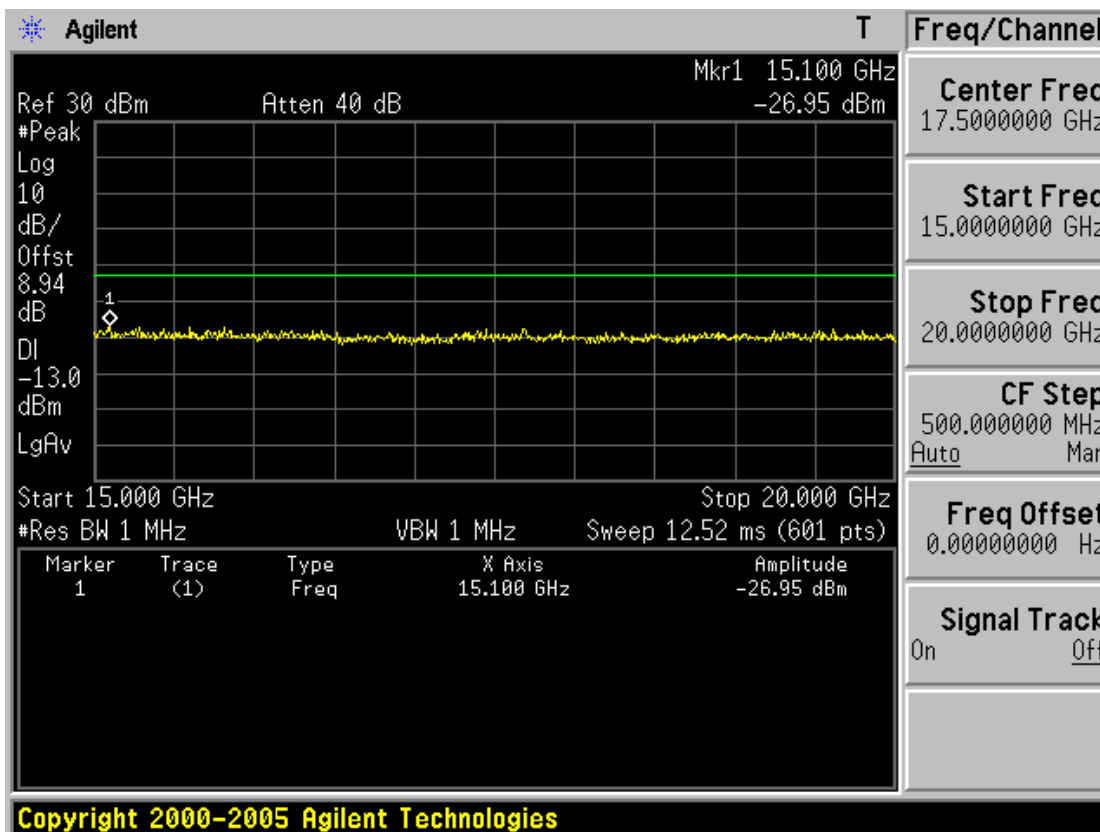
PCS1900 Spurious Emissions at Antenna Terminal / Ch.810 -2



PCS1900 Spurious Emissions at Antenna Terminal / Ch.810 -3



PCS1900 Spurious Emissions at Antenna Terminal / Ch.810 -4



3.6 Field Strength of Spurious Radiation

FCC ID	:	PH7PG130
Specification	:	47 CFR 2.1053(a)
Tested Frequency	:	824.2MHz, 836.6MHz and 848.8MHz for GSM850 1850.2MHz, 1880.0MHz and 1909.8MHz for PCS1900

Measurement Procedure:

- Radiation and harmonic 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. 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 spectrum analyzer reading. This 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.

GSM850 Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY : 824.2 MHz
 CHANNEL : 128(Low)
 MEASURED OUTPUT POWER : 33.74 dBm = 2.365 W
 MODULATION SIGNAL : GSM (Internal)
 DISTANCE : 3 meters
 LIMIT : $43 + 10 \log_{10} (W) =$ 46.74 dBc

Freq. (MHz)	LEVEL@ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1648.4	-52.04	6.71	-47.48	V	81.22
2472.6	-54.12	7.63	-48.64	V	82.38
3296.8	-44.88	7.33	-39.70	V	73.44
-	-	-	-	-	-

NOTE

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C 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. 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.

GSM850 Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY : 836.6 MHz
 CHANNEL : 190(Mid)
 MEASURED OUTPUT POWER : 34.21 dBm = 2.639 W
 MODULATION SIGNAL : GSM (Internal)
 DISTANCE : 3 meters
 LIMIT : $43 + 10 \log_{10} (W) =$ 47.21 dBc

Freq. (MHz)	LEVEL@ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1673.2	-52.11	6.6	-47.66	V	81.87
2509.8	-49.95	7.65	-44.45	V	78.66
3346.4	-46.42	7.45	-41.12	V	75.33
-	-	-	-	-	-

NOTE

Radiated Spurious Emission Measurements by Substitution Method
 according to ANSI/TIA/EIA-603-C 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. 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.

GSM850 Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY : 848.8 MHz
 CHANNEL : 251(High)
 MEASURED OUTPUT POWER : 33.92 dBm = 2.463 W
 MODULATION SIGNAL : GSM (Internal)
 DISTANCE : 3 meters
 LIMIT : $43 + 10 \log_{10} (W) =$ 46.92 dBc

Freq. (MHz)	LEVEL@ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1697.6	-50.59	6.48	-46.26	V	80.18
2546.4	-54.76	7.78	-49.13	V	83.05
3395.2	-51.97	7.67	-46.45	V	80.37
-	-	-	-	-	-

NOTE

Radiated Spurious Emission Measurements by Substitution Method
 according to ANSI/TIA/EIA-603-C 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. 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.

GSM1900 Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY : 1850.2 MHz
 CHANNEL : 512(Low)
 MEASURED OUTPUT POWER : 29.38 dBm = 0.868 W
 MODULATION SIGNAL : GSM (Internal)
 DISTANCE : 3 meters
 LIMIT : $43 + 10 \log_{10} (W) =$ 42.38 dBc

Freq. (MHz)	LEVEL@ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
3700.40	-50.55	9.57	-40.98	V	70.36
5550.60	-46.42	11.00	-35.42	V	64.80
-	-	-	-	-	-

NOTE

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C 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. 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.

GSM1900 Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY : 1880.0 MHz
 CHANNEL : 661(Mid)
 MEASURED OUTPUT POWER : 30.15 dBm = 1.036 W
 MODULATION SIGNAL : GSM (Internal)
 DISTANCE : 3 meters
 LIMIT : $43 + 10 \log_{10} (W) =$ 43.15 dBc

Freq. (MHz)	LEVEL@ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
3760.00	-47.65	9.47	-38.18	V	68.33
5640.00	-44.17	11.34	-32.83	V	62.98
-	-	-	-	-	-

NOTE

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C 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. 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.

GSM1900 Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY : 1909.8 MHz
 CHANNEL : 810(High)
 MEASURED OUTPUT POWER : 30.55 dBm = 1.135 W
 MODULATION SIGNAL : GSM (Internal)
 DISTANCE : 3 meters
 LIMIT : $43 + 10 \log_{10} (W) =$ 43.55 dBc

Freq. (MHz)	LEVEL@ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
3819.60	-51.21	9.37	-41.84	V	72.39
5729.40	-47.35	11.57	-35.78	V	66.33
-	-	-	-	-	-

NOTE

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C 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. 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.

3.7 Frequency Stability/Temperature Variation.

FCC ID	:	PH7PG130
Specification	:	47 CFR 2.1055
Tested Frequency	:	836.6MHz for GSM850 1880.0MHz for PCS1900

Measurement 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 85% 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 minimum frequency stability shall be +/- 0.00025% at any time during normal operation.

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 $\pm 0.00025(\pm 2.5\text{ppm})$ of the center frequency.

Time Period and Procedure:

1. The carrier frequency of the transmitter and the individual oscillators is measured at room temperature (25°C to 27 °C to provide a reference)
2. The equipment is subjected to an overnight “soak” at -30°C without any power applied.
3. After the overnight ”soak” at -30°C(usually 14-16 hours),the equipment is turned on in a “standby” condition for one minute before applying power to the transmitter. Measurement of the carrier frequency to the transmitter and the individual oscillators is made within a three minute interval after applying power to the transmitter.
4. Frequency measurements is made at 10°C interval up to room temperature. At least a period of one and one half hour is provided to allow stabilization of the equipment at each temperature level.
5. Again the transmitter carrier frequency and the individual oscillators is measured at room temperature to begin measurement of the upper temperature levels.
6. Frequency were made at 10intervals starting at -30°C up to +50°C allowing at least two hours at each temperature for stabilization. In all measurements the frequency is measured within three minutes after applying power to the transmitter.
7. The artificial load is mounted external to the temperature chamber.

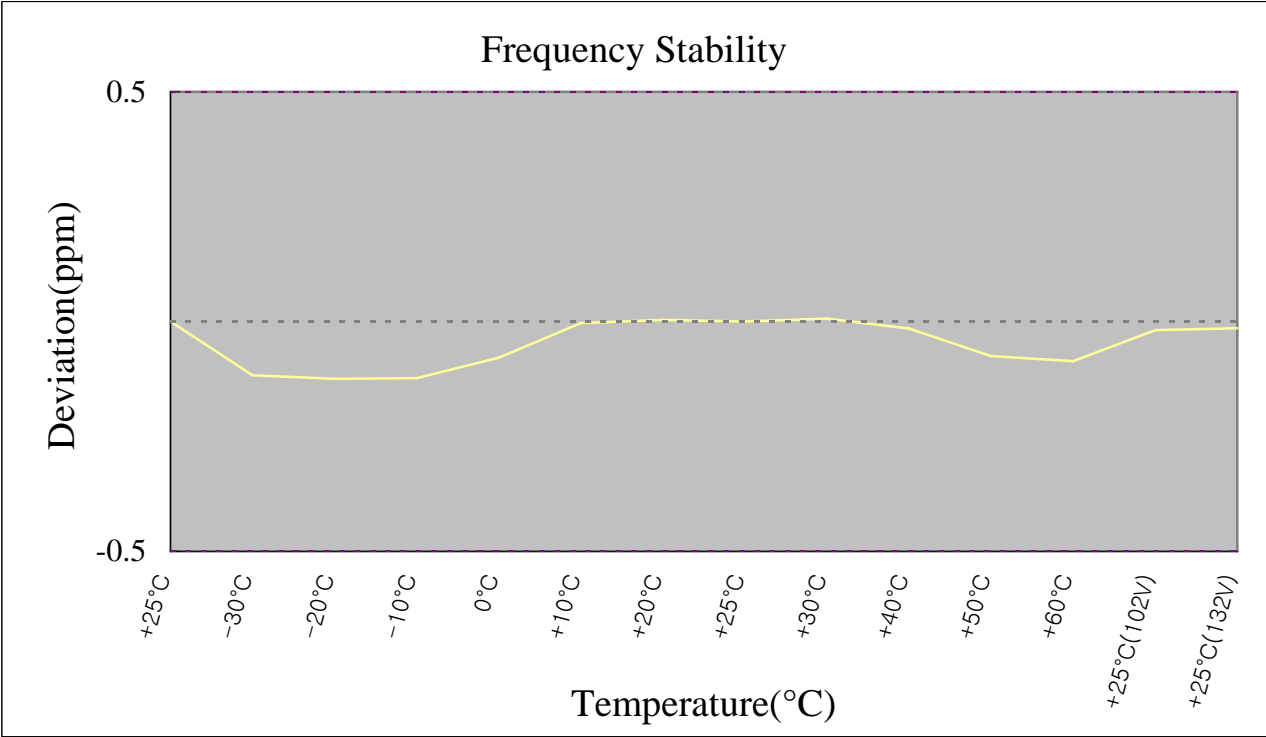
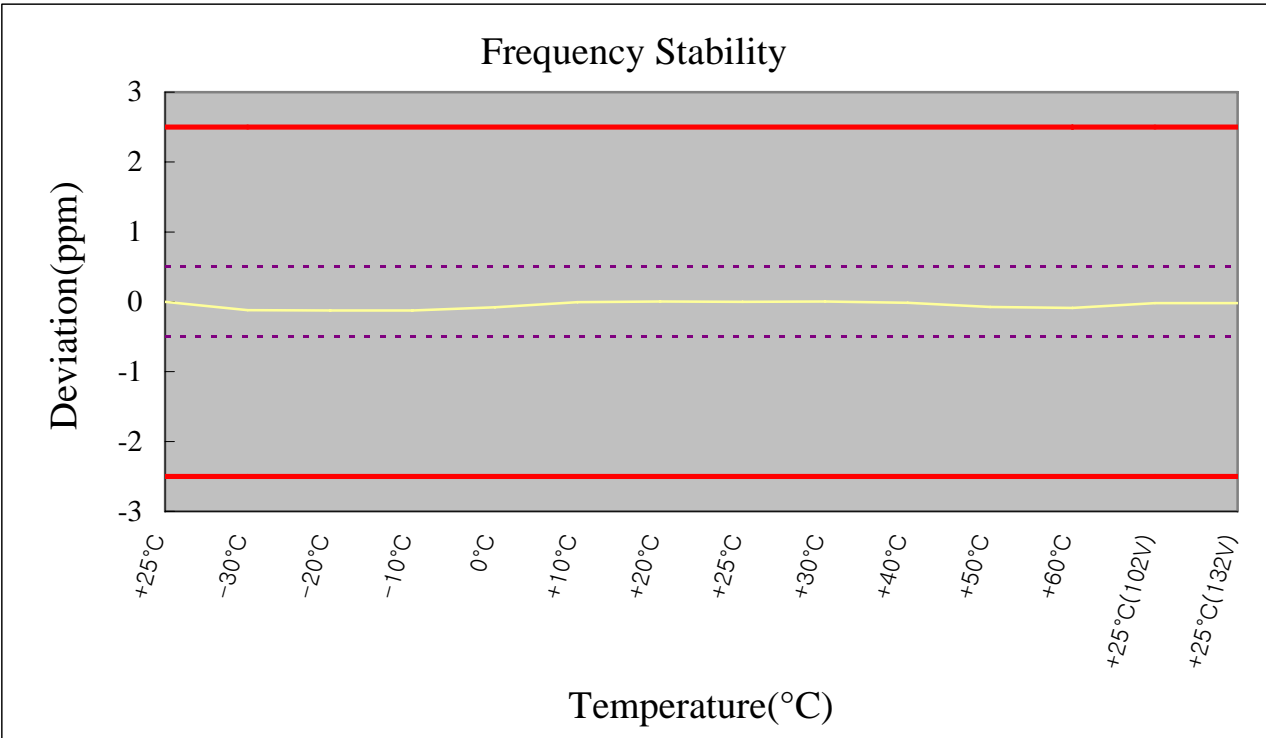
Frequency Stability (GSM850)

OPERATING FREQUENCY : 836,600,042 Hz
 CHANNEL : 190(Mid)
 REFERENCE VOLTAGE : 120 V AC
 DEVIATION LIMIT : ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (V AC)	TEMP (dB)	FREQ (Hz)	Deviation (%)
100%	120	+25(Ref)	836,600,042	0.000000
100%		-30	836,599,944	-0.000012
100%		-20	836,599,938	-0.000012
100%		-10	836,599,939	-0.000012
100%		0	836,599,976	-0.000008
100%		+10	836,600,039	0.000000
100%		+20	836,600,045	0.000000
100%		+25	836,600,042	0.000000
100%		+30	836,600,047	0.000001
100%		+40	836,600,029	-0.000002
100%		+50	836,599,979	-0.000008
100%		+60	836,599,970	-0.000009
85%		102	+25	836,600,026
115%	132	+25	836,600,030	-0.000001
BATT.ENDPOINT	-	+25	-	-

Frequency Stability (GSM850)

(Continued...)



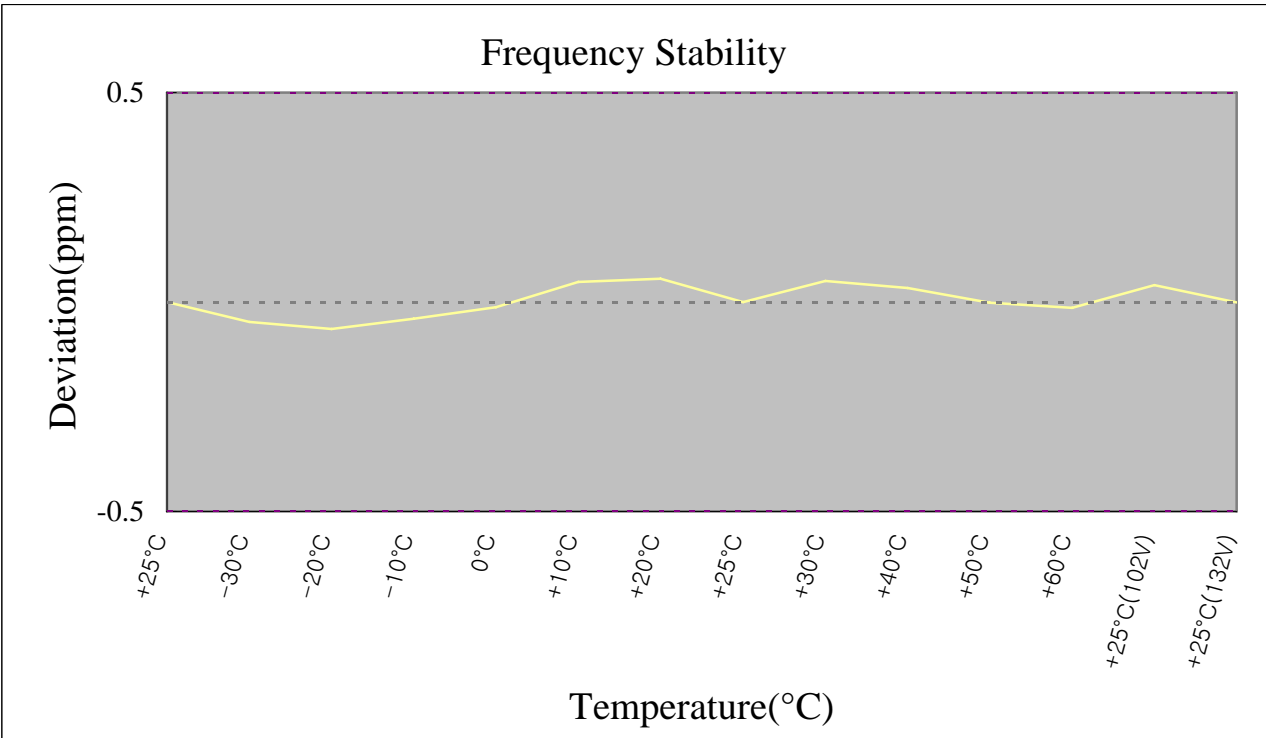
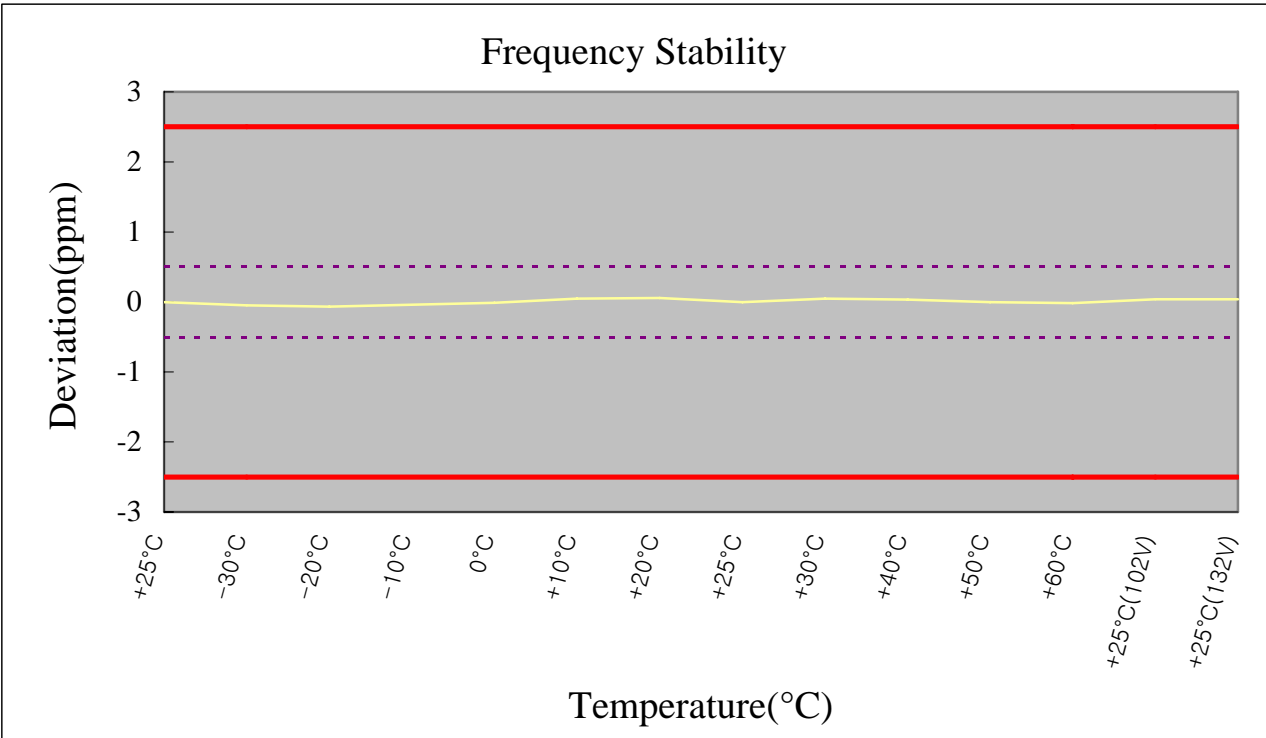
Frequency Stability (PCS1900)

OPERATING FREQUENCY : 1,879,999,963 Hz
 CHANNEL : 0661(Mid)
 REFERENCE VOLTAGE : 120 V AC
 DEVIATION LIMIT : ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (V AC)	TEMP (dB)	FREQ (Hz)	Deviation (%)
100%	120	+25(Ref)	1,879,999,963	0.000000
100%		-30	1,879,999,873	-0.000005
100%		-20	1,879,999,841	-0.000006
100%		-10	1,879,999,887	-0.000004
100%		0	1,879,999,939	-0.000001
100%		+10	1,880,000,053	0.000005
100%		+20	1,880,000,067	0.000006
100%		+25	1,879,999,963	0.000000
100%		+30	1,880,000,057	0.000005
100%		+40	1,880,000,026	0.000003
100%		+50	1,879,999,959	0.000000
100%		+60	1,879,999,937	-0.000001
85%		102	+25	1,880,000,038
115%	132	+25	1,879,999,961	0.000000
BATT.ENDPOINT	-	+25	-	-

Frequency Stability (PCS1900)

(continued...)



4. TEST EQUIPMENT

	Type	Manufacturer	Model	Cal.Due.Date (dd/mm/yy)	Next.Due.Date (dd/mm/yy)	S/N
01	Spectrum Analyzer	Agilent	E4404B	21/03/08	21/03/09	US41061134
02	Spectrum Analyzer	Agilent	E4440A	15/11/07	15/11/08	MY45304199
03	Spectrum Analyzer	H.P	8563E	09/10/07	09/10/08	3551A04634
04	EMI Test Receiver	R&S	ESCI	27/04/07	27/04/08	100364
05	EMI Test Receiver	R&S	ESU	18/01/08	18/01/09	100014
06	Power Meter	H.P	EPM-442A	10/07/07	10/07/08	GB37170413
07	Power Sensor	H.P	8481A	11/07/07	11/07/08	3318A96332
08	Frequency Counter	H.P	5342A	06/09/07	06/09/08	2119A04450
09	Multifunction Synthesizer	H.P	8904A	23/11/07	23/11/08	3633A08404
10	Signal Generator	Rohde Schwarz	SMR20	21/03/07	21/03/08	101251
11	Signal Generator	H.P	E4421A	10/07/07	10/07/08	US37230529
12	Audio Analyzer	H.P	8903B	10/07/07	10/07/08	3011A09448
13	Modulation Analyzer	H.P	8901B	14/07/07	14/07/08	3028A03029
14	8960 Series 10 Wireless Comms Test Set	Agilent	Z5515C	18/07/07	18/07/09	GB43461134
15	Universal Radio Communication Test	Rohde Schwarz	CMU200	24/04/07	24/04/08	107631
16	Multi system UE Tester	Japan Radid Co., Ltd	NJZ-2000	N/A	N/A	ET00095
17	Power Splitter	WEINSCHTEL	1593	05/10/07	05/10/08	332
18	BAND Reject Filter	Microwave Circuits	N0308372	18/10/07	18/10/08	3125- 01DC0312
19	BAND Reject Filter	Wainwright	WRCG1750	18/10/07	18/10/08	SN2
20	AC Power supply	DAEKWANG	5KVA	20/03/08	20/03/09	N/A
21	DC Power Supply	H.P	6622A	20/03/08	20/03/09	465487
22	HORN ANT	EMCO	3115	10/08/07	10/08/08	6419
23	HORN ANT	EMCO	3115	09/10/07	09/10/08	21097
24	HORN ANT	A.H.Systems	SAS-574	20/08/07	20/08/08	154
25	HORN ANT	A.H.Systems	SAS-574	20/08/07	20/08/08	155
26	Dipole Antenna	Schwarzbeck	VHA9103	27/11/07	27/11/08	2116
27	Dipole Antenna	Schwarzbeck	VHA9103	27/11/07	27/11/08	2117
28	Dipole Antenna	Schwarzbeck	UHA9105	27/11/07	27/11/08	2261
29	Dipole Antenna	Schwarzbeck	UHA9105	27/11/07	27/11/08	2262
30	Loop Antenna	ETS	6502	30/10/07	30/10/08	3471

4. TEST EQUIPMENT (CONTINUED)

	Type	Manufacturer	Model	Cal.Due.Date (dd/mm/yy)	Next.Due.Date (dd/mm/yy)	S/N
31	TEMP & HUMIDITY Chamber	JISCO	J-RHC2	02/10/07	02/10/08	021031
32	Oscilloscope	Tektronix	TDS3052	02/11/07	02/11/08	B016821
33	Frequency Converter	Kyorits	KCV-604C	21/07/07	21/07/08	4-230-3
34	Log Periodic Antenna	Schwarzbeck	UHALP9108A1	08/06/07	08/06/08	1098
35	Biconical Antenna	Schwarzbeck	VHA9103	01/10/07	01/10/08	2233
36	Digital Multimeter	H.P	34401A	20/03/08	20/03/09	3146A13475
37	Attenuator (10dB)	WEINSCHTEL	23-10-34	05/10/07	05/10/08	BP4386
38	High-Pass Filter	ANRITSU	MP526D	08/10/07	08/10/08	M27756
39	Attenuator (3dB)	Agilent	8491B	12/07/07	12/07/08	58177
40	Attenuator (10dB)	WEINSCHTEL	23-10-34	30/01/08	30/01/09	BP4387
41	Amplifier (25dB)	Agilent	8447D	08/08/07	08/08/08	2443A03690
42	Amplifier (30dB)	Agilent	8449B	25/10/07	25/10/08	3008A01590
43	Position Controller	TOKIN	5901T	N/A	N/A	14173
44	Driver	TOKIN	5902T2	N/A	N/A	14174
45	Spectrum Analyzer	H.P	8591E	16/04/07	16/04/08	3649A05889
46	RFI/FIELD Intensity Meter	Kyorits	KNW-2402	06/09/07	06/09/08	4N-170-3
47	LISN	Kyorits	KNW-407	30/08/07	30/08/08	8-317-8
48	LISN	Kyorits	KNW-242	06/10/07	06/10/08	8-654-15
49	CVCF	NF Electronic	4400	N/A	N/A	344536 4420064
50	Software	ToYo EMI	EP5/RE	N/A	N/A	Ver 2.0.800
51	Software	ToYo EMI	EP5/CE	N/A	N/A	Ver 2.0.801
52	Software	AUDIX	e3	N/A	N/A	Ver 3.0
53	Software	Agilent	Benchlink	N/A	N/A	A.01.09 021211

5. EMISSION DESIGNATOR

GSM850

Emission Designator = 240KGXW

GSM BW = 239.623 KHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

(Measured at the 99.75% power bandwidth)

PCS1900

Emission Designator = 238KGXW

GSM BW = 237.607 KHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

(Measured at the 99.75% power bandwidth)

6. CONCLUSION

The data collected shows that the **Axesstel Corp. GSM/GPRS Quad Band Fixed Wireless Phone(FCC ID: PH7PG130)** complies with all the requirements of Parts 2 , 22 and 24 of the FCC rules.