



A Test Lab Techno Corp.

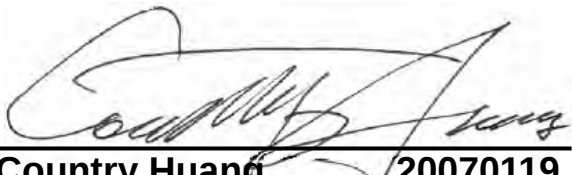
Changan Lab : No. 140 -1, Changan Street, Bade City, Taoyuan County, Taiwan R.O.C.
Tel : 886-(0)3-271-0188 / Fax : 886-(0)3-271-0190

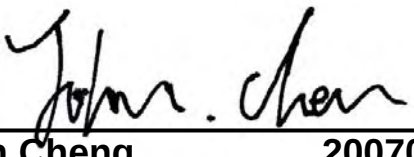
SAR EVALUATION REPORT



Test Report No.	: 0701FR13
Applicant	: Inventec Corporation NO.,66 Hou-Kang Street Shih-Lin District, Taipei 11170, Taiwan (R.O.C.)
Manufacturer	: Inventec Corporation
Model Name	: PDA Phone
Trade Mark	: Inventec
Model Number	: Mercury 619
FCC ID	: DGIBC0153AAA000
Tx Frequency Range	: 824.2 - 848.8MHz (GSM 850) 1850.2 - 1909.8MHz (PCS 1900)
Dates of Test	: Dec. 18, 2006 - Jan. 11, 2007
Test Specification	: 47 CFR Part 22H, 24E
Location of Test Lab.	Chang-an Lab.

1. The test operations have to be performed with cautious behavior, the test results are as attached.
2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
3. The measurement report has to be written approval of A Test Lab Techno Corp. It may only be reproduced or published in full.


Country Huang 20070119
Measurement Center Manager


John Cheng 20070119
Testing Engineer



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1. General Information

Applicant :

Inventec Corporation

NO.,66 Hou-Kang Street Shih-Lin District, Taipei 11170, Taiwan (R.O.C.)

Manufacturer	: Inventec Corporation NO.,66 Hou-Kang Street Shih-Lin District, Taipei 11170, Taiwan (R.O.C.)
Product Name	: PDA Phone
Trade Mark	: Inventec
Model Number	: Mercury 619
FCC ID	: DGIBC0153AAA000
TX Frequency	: 824 - 849 MHz (GSM 850) 1850 - 1910 MHz (PCS 1900) 2400 - 2483.5 MHz (Bluetooth / WLAN)
RX Frequency	: 869 - 894 MHz (GSM 850) 1930 - 1990 MHz (PCS 1900) 2400 - 2483.5 MHz (Bluetooth / WLAN)
Antenna Type	: Fixed Internal
Maximum Output Power to Antenna	: 30.45 dBm (GSM 850) 30.27 dBm (PCS 1900) 1.97 dBm (Bluetooth) 18.19 dBm (802.11b) 13.85 dBm (802.11g)
Max. ERP/EIRP Power	: 1.109 W (GSM 850) 1.064 W (PCS 1900)
Power Rating (DC/AC , Voltage and Current of RF element or PA)	: 5V / 1A
Digital Modulation Emission	: GMSK (GSM 850 / PCS1900) GFSK (Bluetooth) DSSS / OFDM (WLAN)
Power Supply Type	: Switching AC Adaptor
AC Power Cord	: AC120V, Non-shielded, Wall-mount, 1.8 meter, 2 pin
Adapter	: PI Electronics (H K) Ltd, AD7122B-02LF
Battery	: SIMPLO TECHNOLOGY CO., LTD., Mercury619
DUT Stage	: Production Unit



2. Test Configuration of Equipment under Test

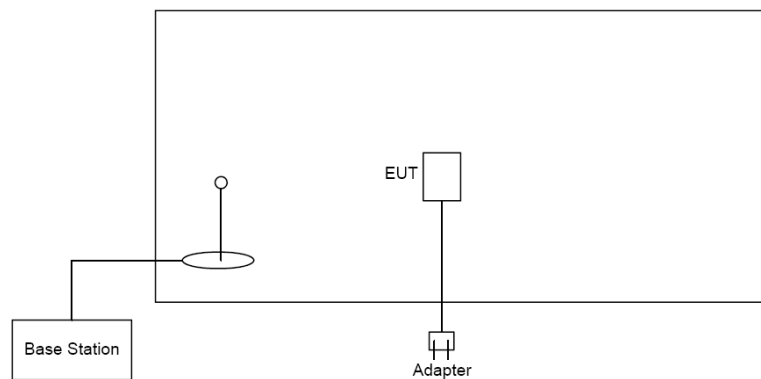
2.1 Test Manner

1. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range.
2. During all testing, EUT is in link mode with base station emulator at maximum power level. (PCL=5 for GSM 850 or PCL=0 for PCS 1900)
3. Frequency range investigated: radiated emission 30 MHz to 9000 MHz for GSM850; 30MHz to 19000 MHz for PCS 1900.

2.2 Test Mode

Application	GSM 850	PCS 1900
Radiated Emission	☒ CH 128 ☒ CH 190 ☒ CH 251	☒ CH 512 ☒ CH 661 ☒ CH 810
	☒ CH 128 + GPRS	☒ CH 512 + GPRS
	☒ CH 190 + GPRS	☒ CH 661 + GPRS
	☒ CH 251 + GPRS	☒ CH 810+ GPRS
Conducted Measurement	☒ CH 128 ☒ CH 190 ☒ CH 251	☒ CH 512 ☒ CH 661 ☒ CH 810
	☒ CH 128 + GPRS	☒ CH 512 + GPRS
	☒ CH 190 + GPRS	☒ CH 661 + GPRS
	☒ CH 251 + GPRS	☒ CH 810+ GPRS

2.3 Connection Diagram of Test System



2.4 Ancillary Equipment List

1. Base Station(R&S) CMU200 106656



3. General Information of Test Site

Test Site Location: No. 140 -1, Changan Street, Bade City, Taoyuan County, Taiwan R.O.C.

TEL: 886-3-271-0188 FAX: 886-3-271-0190

Registration Number: 854525

The chamber meets the characteristics of ANSI C63.4-2003. This site is on file with the FCC.

3.1 Test Voltage

120V/ 60Hz

3.2 Test in Compliance with

47 CFR Part 22H, 24E and Part 2.

3.3 Frequency Range Investigated

1. Radiation: from 30 MHz to 9000 MHz for GSM 850.
2. Radiation: from 30 MHz to 19000 MHz for PCS 1900.

3.4 Test Distance

The test distance of radiated emission from antenna to EUT is 3 m.



4. Test Data and Test Result

4.1 List of Measurements and Examinations

FCC Rule	DESCRIPTION OF TEST	Result	Section
§ 2.1046	RF Output Power	Passed	4.2
§ 22.913 § 24.232	ERP / EIRP	Passed	4.3
§ 2.1049 § 22.917 § 24.238(b)	Occupied Bandwidth & Band Edge Measurement	Passed	4.4
§ 2.1051	Conducted Emission	Passed	4.5
§ 2.1053	Field Strength of Spurious Radiation	Passed	4.6
§ 2.1055 § 22.355 § 24.235	Frequency Stability vs. Temperature	Passed	4.7
§ 2.1055 § 22.355 § 24.235	Frequency Stability vs. Voltage	Passed	4.8
§ 15.207	AC Power Conducted Emissions Requirements	Passed	4.9

4.2 RF Output Power

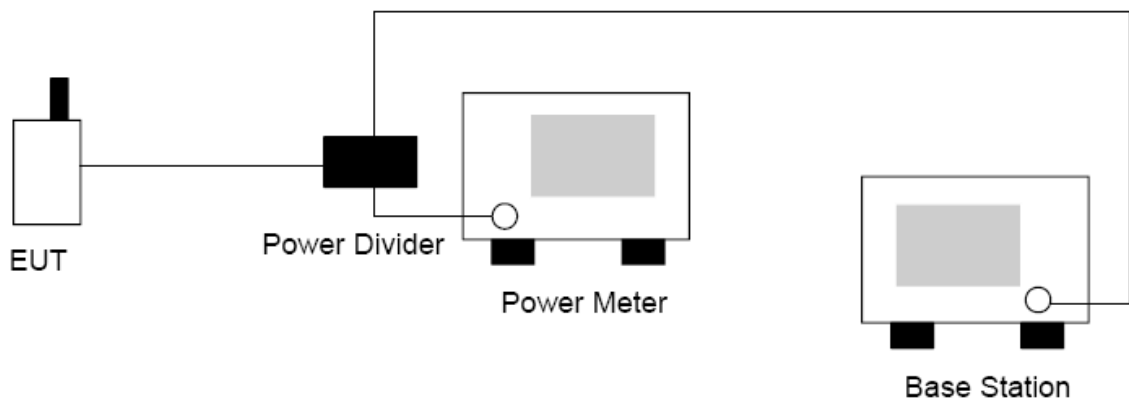
4.2.1 Measurement Instruments :

As described in chapter 5 of this test report.

4.2.2 Test Procedure :

1. The transmitter output was connected to power meter and base station through power divider.
2. Set EUT at PCL=5 for GSM 850 and/or PCL=0 for PCS 1900 through base station.
3. Select lowest, middle, and highest channels for each band.

4.2.3 Test Setup Layout :





4.2.4 Test Result :

Bands	Channel	Frequency (MHz)		Conducted Power (dBm)	Conducted Power (Watts)
GSM 850	128	Low	824.2	32.32	1.706
	190	Mid	836.4	32.35	1.718
	251	High	848.8	32.31	1.702
GSM 850 + GPRS	128	Low	824.2	31.45	1.396
	190	Mid	836.4	31.52	1.419
	251	High	848.8	31.53	1.422
GSM 850 + EGPRS	128	Low	824.2	27.19	0.524
	190	Mid	836.4	27.24	0.530
	251	High	848.8	27.22	0.527

Bands	Channel	Frequency (MHz)		Conducted Power (dBm)	Conducted Power (Watts)
PCS 1900	512	Low	1850.2	29.44	0.879
	661	Mid	1880.0	29.32	0.855
	810	High	1909.8	29.71	0.935
PCS 1900 + GPRS	512	Low	1850.2	28.02	0.634
	661	Mid	1880.0	28.37	0.687
	810	High	1909.8	28.80	0.759
PCS 1900 + EGPRS	512	Low	1850.2	26.42	0.439
	661	Mid	1880.0	26.40	0.437
	810	High	1909.8	26.58	0.455

Note: In GPRS data connect mode compare with EGPRS data connect mode, so the GPRS is worse case in test.



4.3 ERP / EIRP Measurement

Equivalent isotropic radiated power measurements by substitution method according to ANSI/TIA/EIA-603-A.

4.3.1 Measurement Instruments

As described in chapter 5 of this test report.

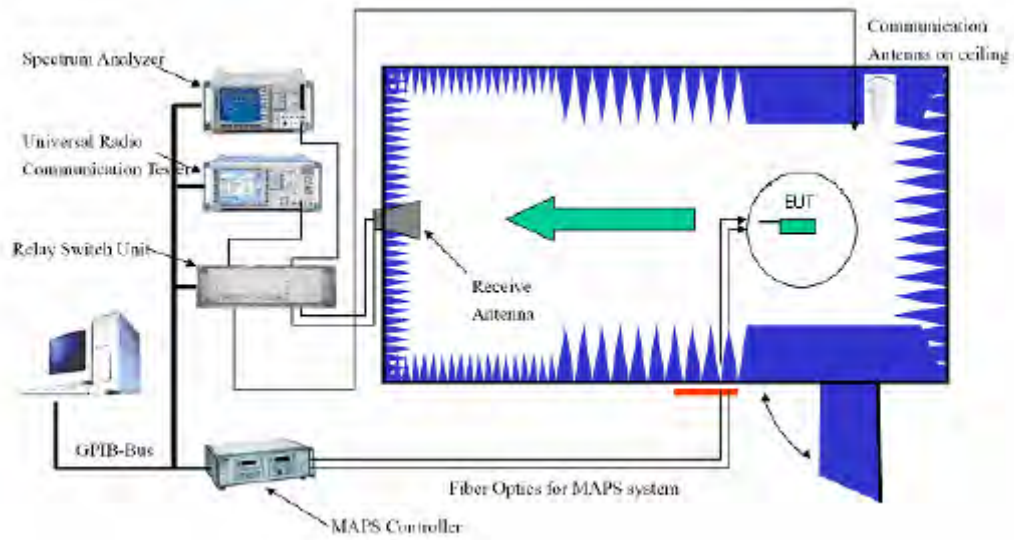
4.3.2 Test Procedure

The phone was tested in an anechoic chamber with a 3-axis position system that permits taking complete spherical scans of the EUT's 3-axis radiation patterns. For all tests, the phone was supported in a free space type environment, vertically oriented in the chamber. Tests were done for GSM 850 three frequencies (824.2, 836.6 and 848.8 MHz) and GSM 1900 three frequencies (1850.2, 1880.00, and 1909.80 MHz).

GSM measurements were made with the phone placed in a call using the CMU200 mobile station test set. The phone was weakly coupled to the test set and configured to transmit in full data rate mode.

The radiated power was measured using ETS-LINDGREN OTA Chamber in "Peak" mode. From these measurements, the software calculates the angle at which maximum radiated power occurs for each case, and the radiated power at this angle was extracted from the data.

4.3.3 Test Setup Layout of ERP/EIRP





4.3.4 Test Result

GSM 850 Radiated Power ERP		
Horizontal Polarization		
Frequency (MHz)	ERP (dBm)	ERP (W)
824.2	29.53	0.897
836.4	30.22	1.052
848.8	30.45	1.109

GSM 850 + GPRS Radiated Power ERP		
Horizontal Polarization		
Frequency (MHz)	ERP (dBm)	ERP (W)
824.2	28.17	0.656
836.4	29.15	0.822
848.8	30.14	1.033

GSM 850 + EGPRS Radiated Power ERP		
Horizontal Polarization		
Frequency (MHz)	ERP (dBm)	ERP (W)
824.2	23.46	0.222
836.4	24.14	0.259
848.8	24.68	0.294



PCS 1900 Radiated Power ERP		
Horizontal Polarization		
Frequency (MHz)	ERP (dBm)	ERP (W)
1850.2	30.27	1.064
1880.0	30.03	1.007
1909.8	29.54	0.899

PCS 1900 + GPRS Radiated Power ERP		
Horizontal Polarization		
Frequency (MHz)	ERP (dBm)	ERP (W)
1850.2	30.16	1.038
1880.0	30.16	1.038
1909.8	29.89	0.975

PCS 1900 + EGPRS Radiated Power ERP		
Horizontal Polarization		
Frequency (MHz)	ERP (dBm)	ERP (W)
1850.2	26.55	0.452
1880.0	25.43	0.349
1909.8	23.51	0.224

4.4 Occupied Bandwidth and Band Edge Measurement

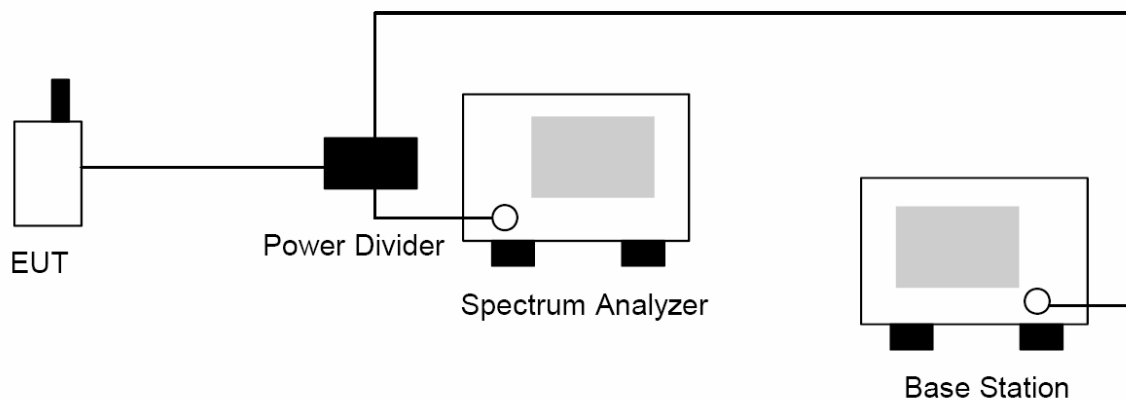
4.4.1 Measurement Instruments

As described in chapter 5 of this test report.

4.4.2 Test Procedure

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The occupied bandwidth of middle channel for the highest and lowest RF powers was measured.
3. The band edge of low and high channels for the highest RF powers within the transmitting frequency band were measured. Setting RBW as roughly $BW/100$.

4.4.3 Test Setup Layout





4.4.4 Occupied Bandwidth Test Result

GSM 850		
Channel	Frequency (MHz)	Output Power -26 dBc Bandwidth (kHz)
128	824.2	244.47
190	836.6	243.96
251	848.8	246.44
RB:3KHz , VBW:10KHz		

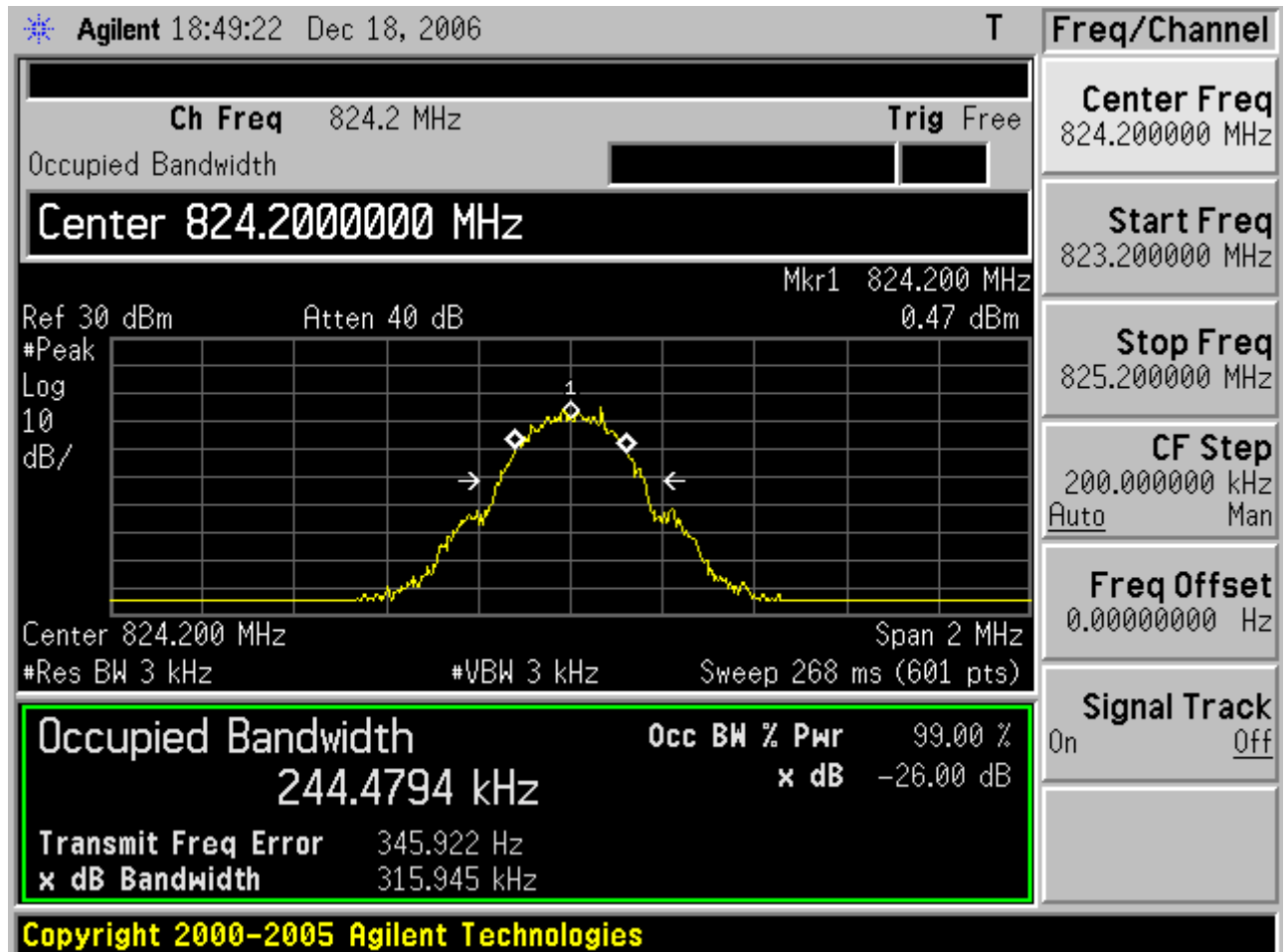
GSM 850 + GPRS		
Channel	Frequency (MHz)	Output Power -26 dBc Bandwidth (kHz)
128	824.2	242.5172
190	836.6	239.0355
251	848.8	240.2677
RB:3KHz , VBW:10KHz		

PCS 1900		
Channel	Frequency (MHz)	Output Power -26 dBc Bandwidth (kHz)
512	1850.2	246.42
661	1880	248.72
810	1909.8	247.83
RB:3KHz , VBW:10KHz		

PCS 1900 + GPRS		
Channel	Frequency (MHz)	Output Power -26 dBc Bandwidth (kHz)
512	1850.2	245.0749
661	1880	237.9
810	1909.8	241.2691
RB:3KHz , VBW:10KHz		

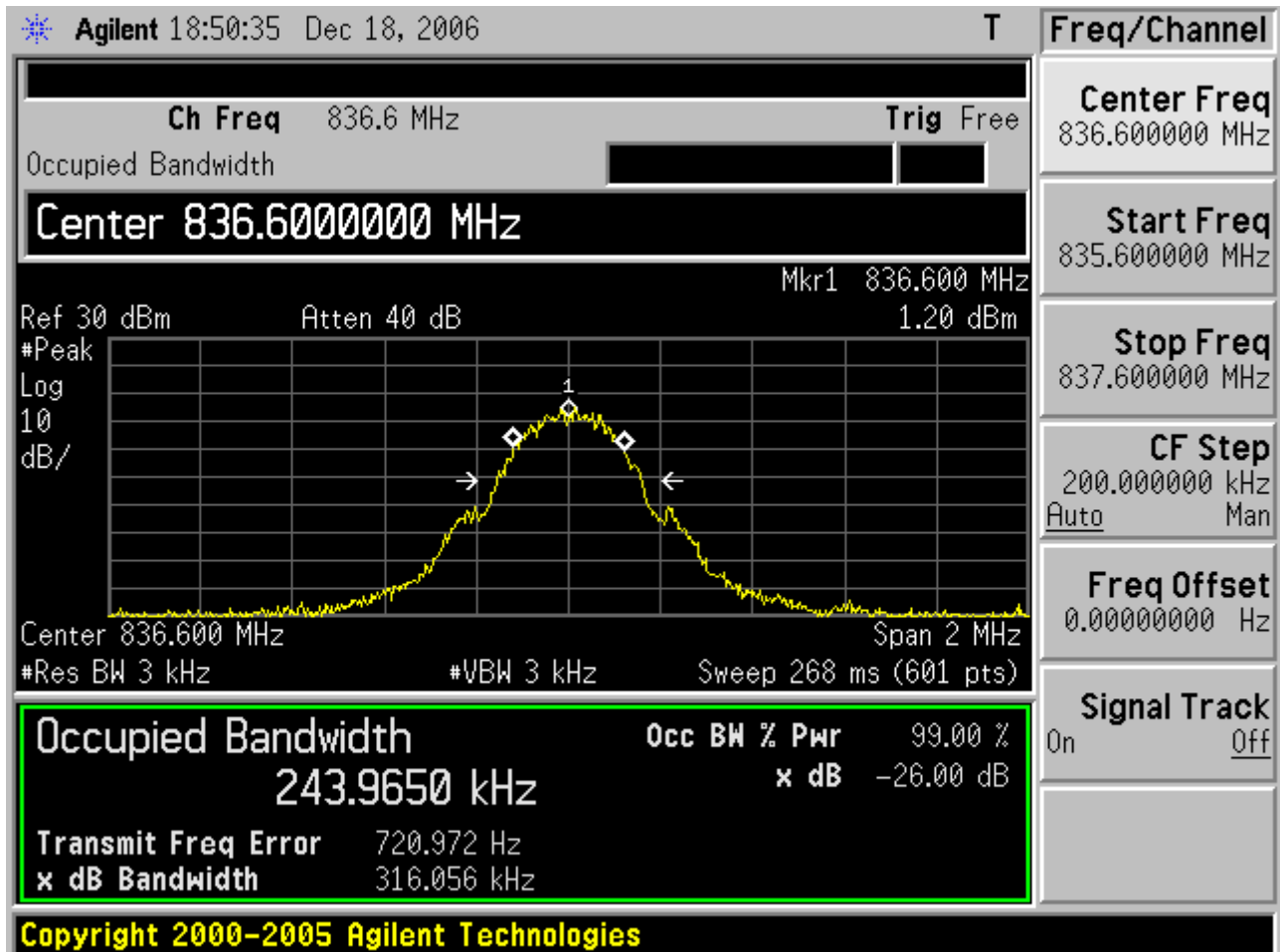


Test Mode: GSM 850 CH128 99% Occupied Bandwidth



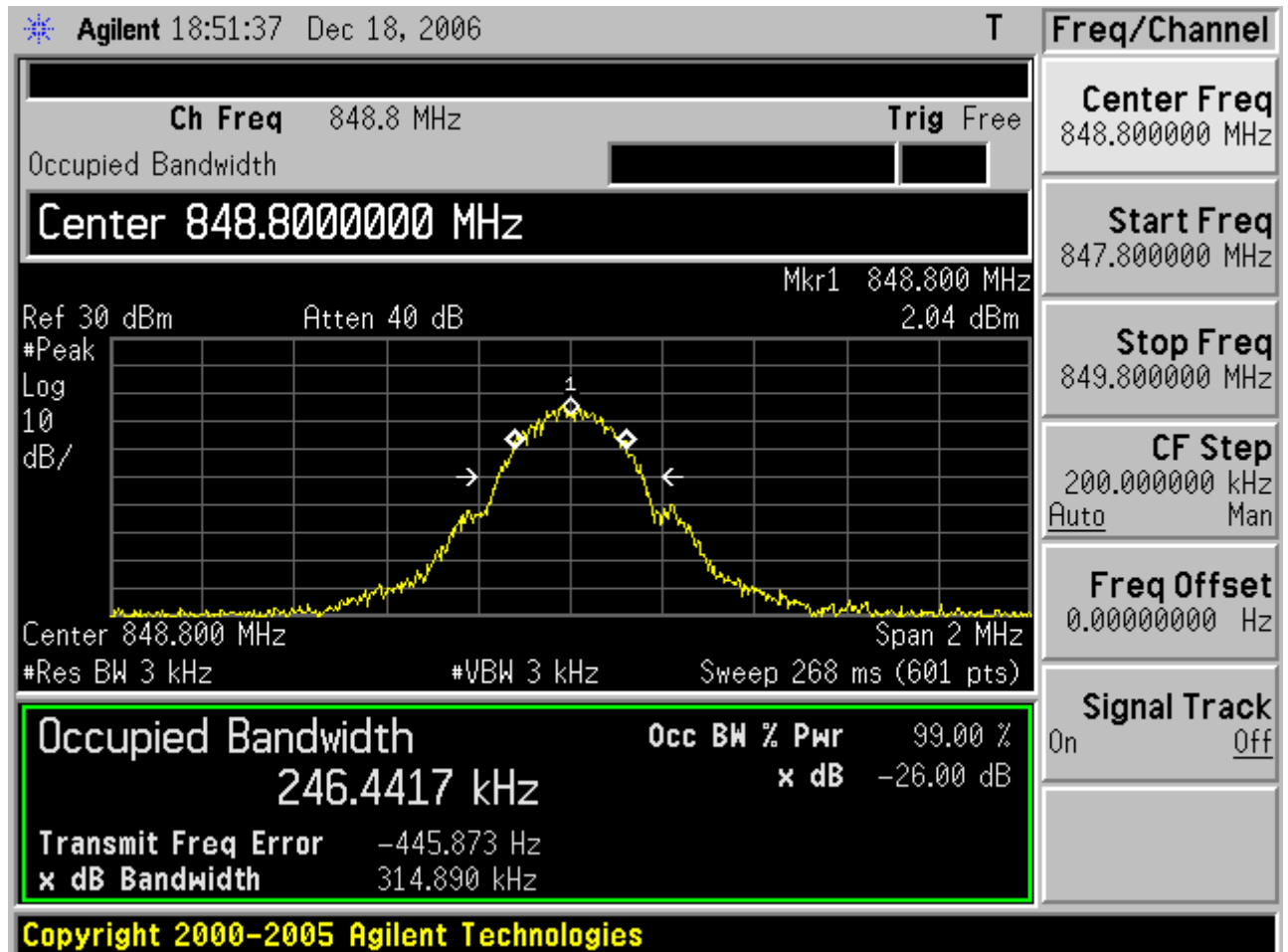


Test Mode: GSM 850 CH190 99% Occupied Bandwidth



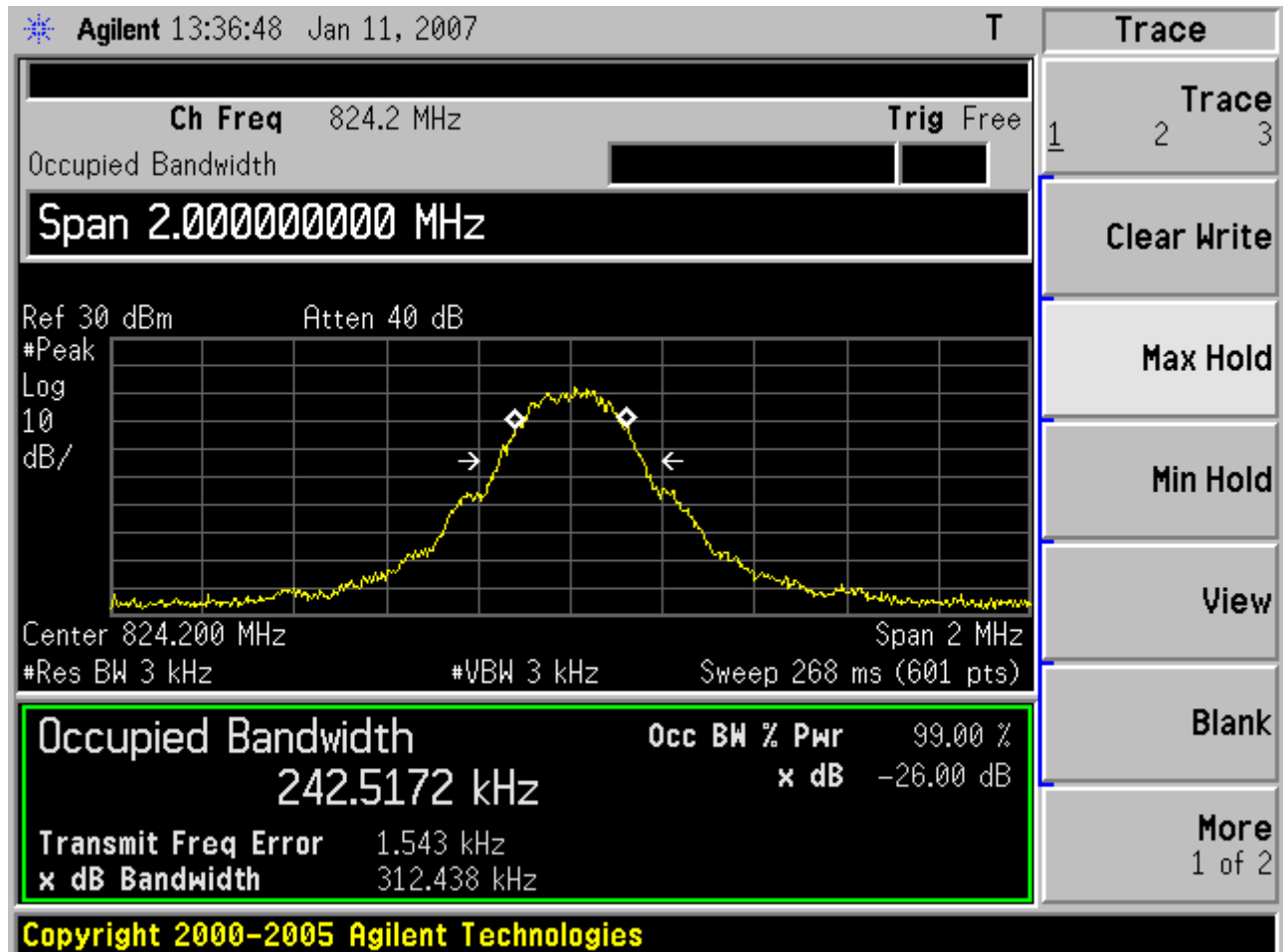


Test Mode: GSM 850 CH251 99% Occupied Bandwidth



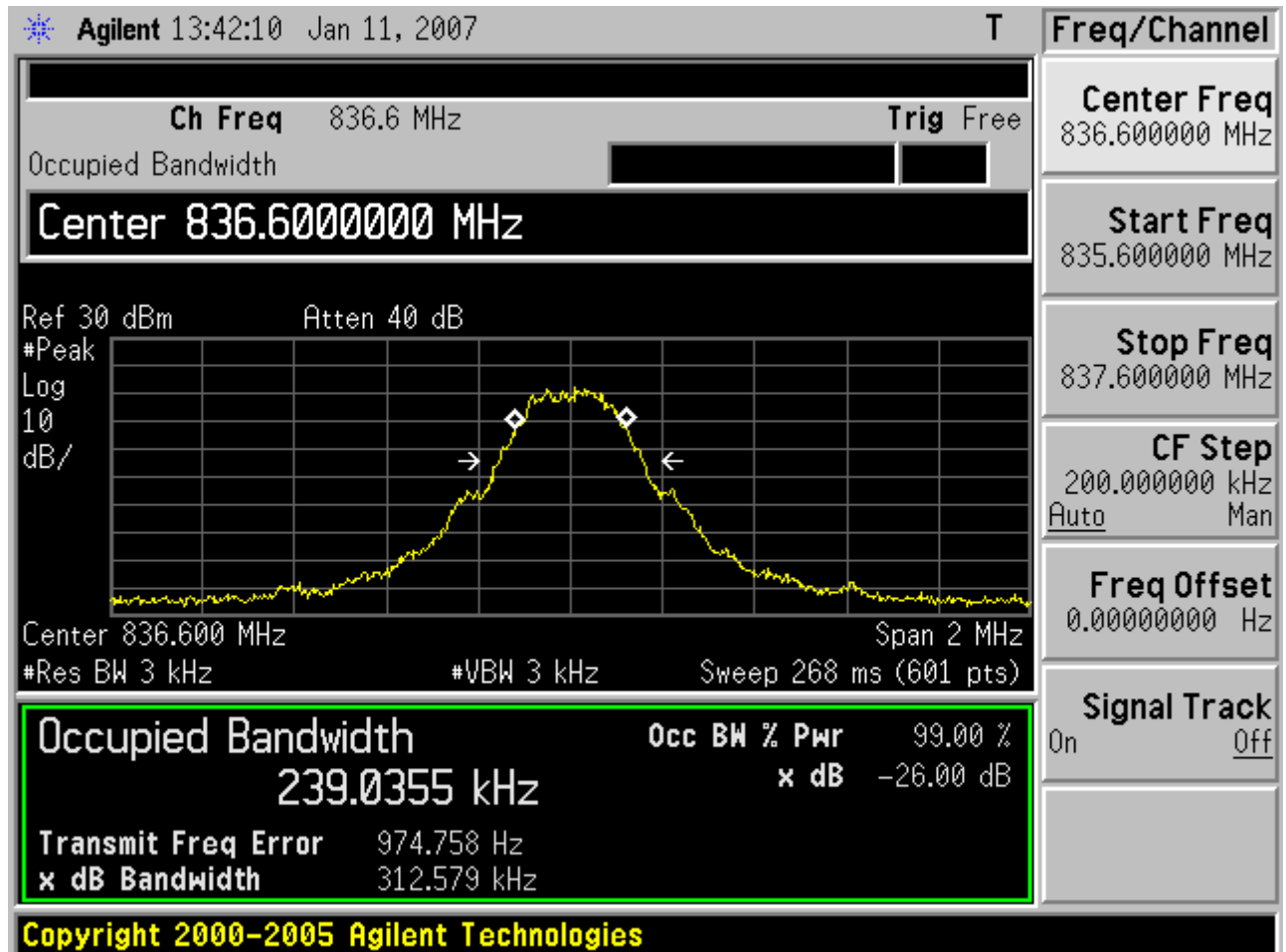


Test Mode: GSM 850 + GPRS CH128 99% Occupied Bandwidth



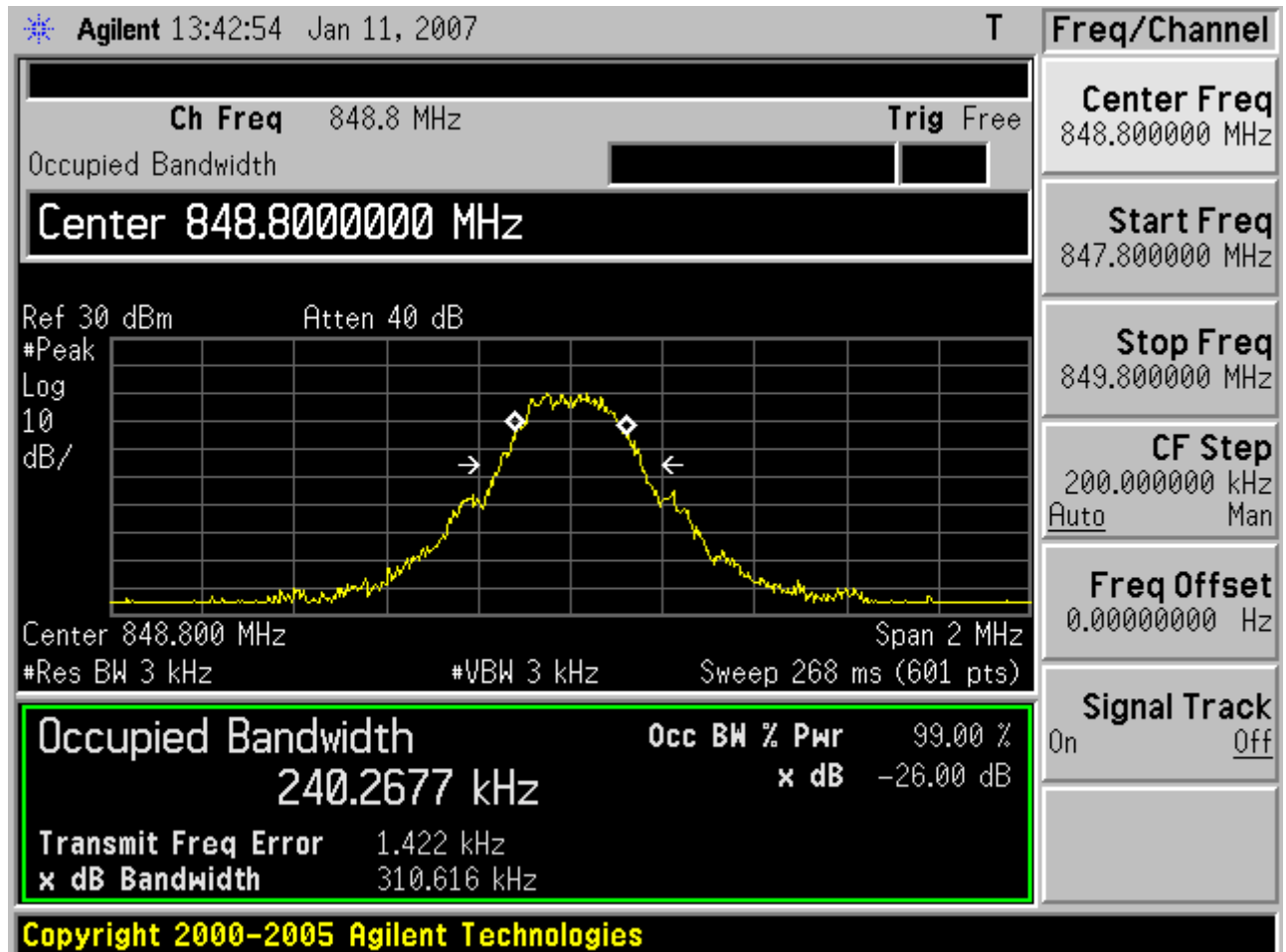


Test Mode: GSM 850 + GPRS CH190 99% Occupied Bandwidth



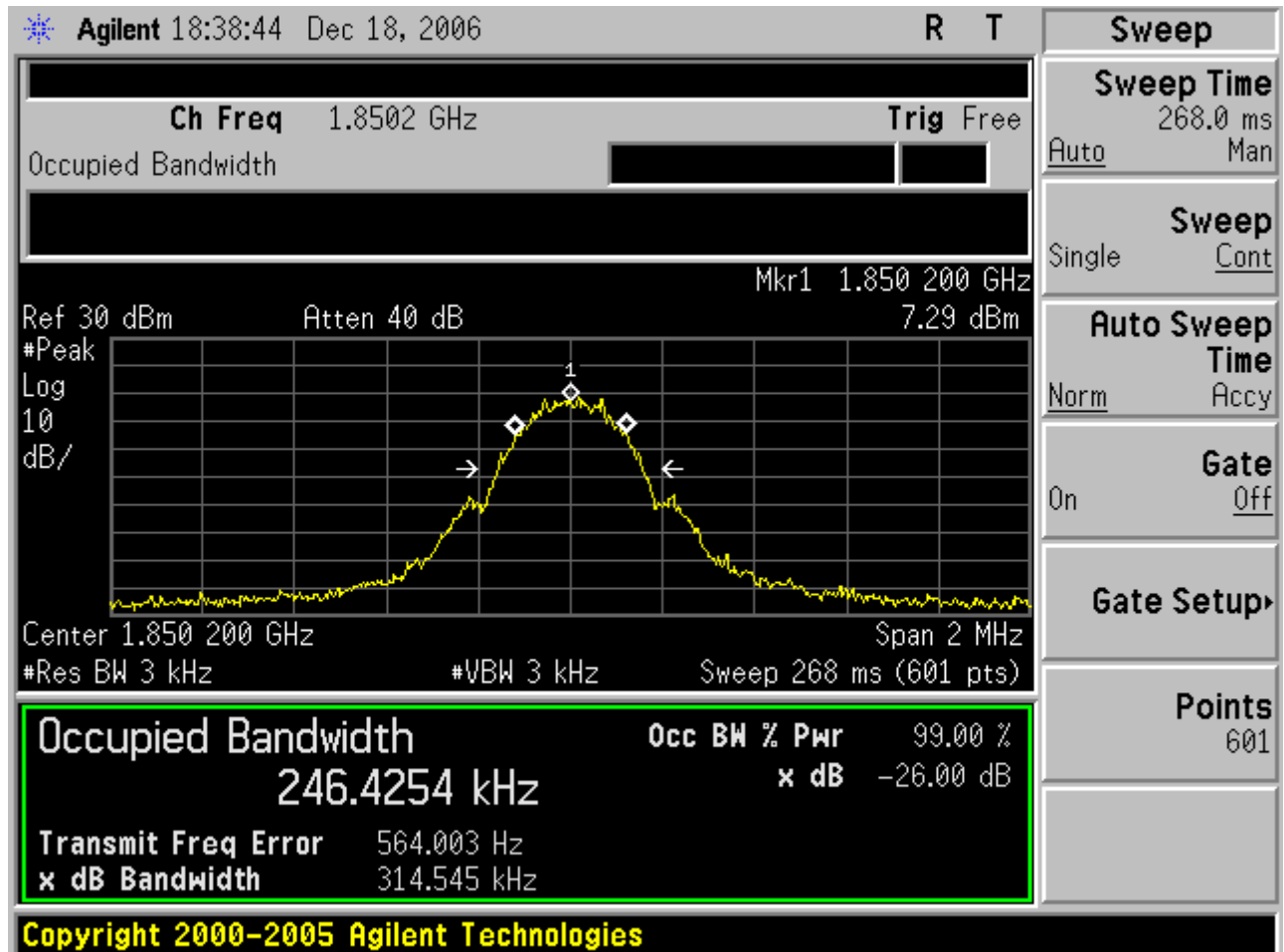


Test Mode: GSM 850 + GPRS CH251 99% Occupied Bandwidth



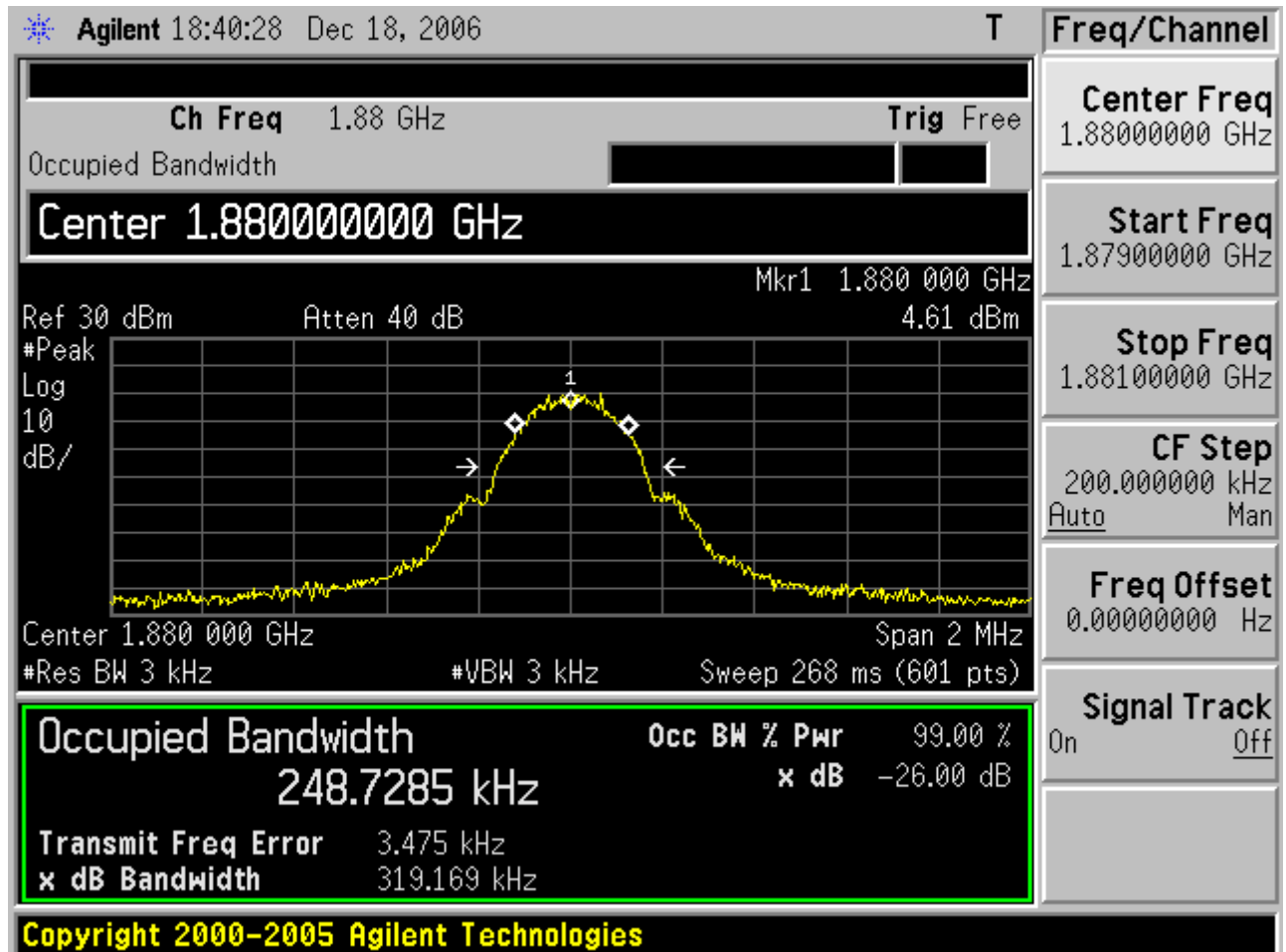


Test Mode: PCS 1900 CH512 99% Occupied Bandwidth



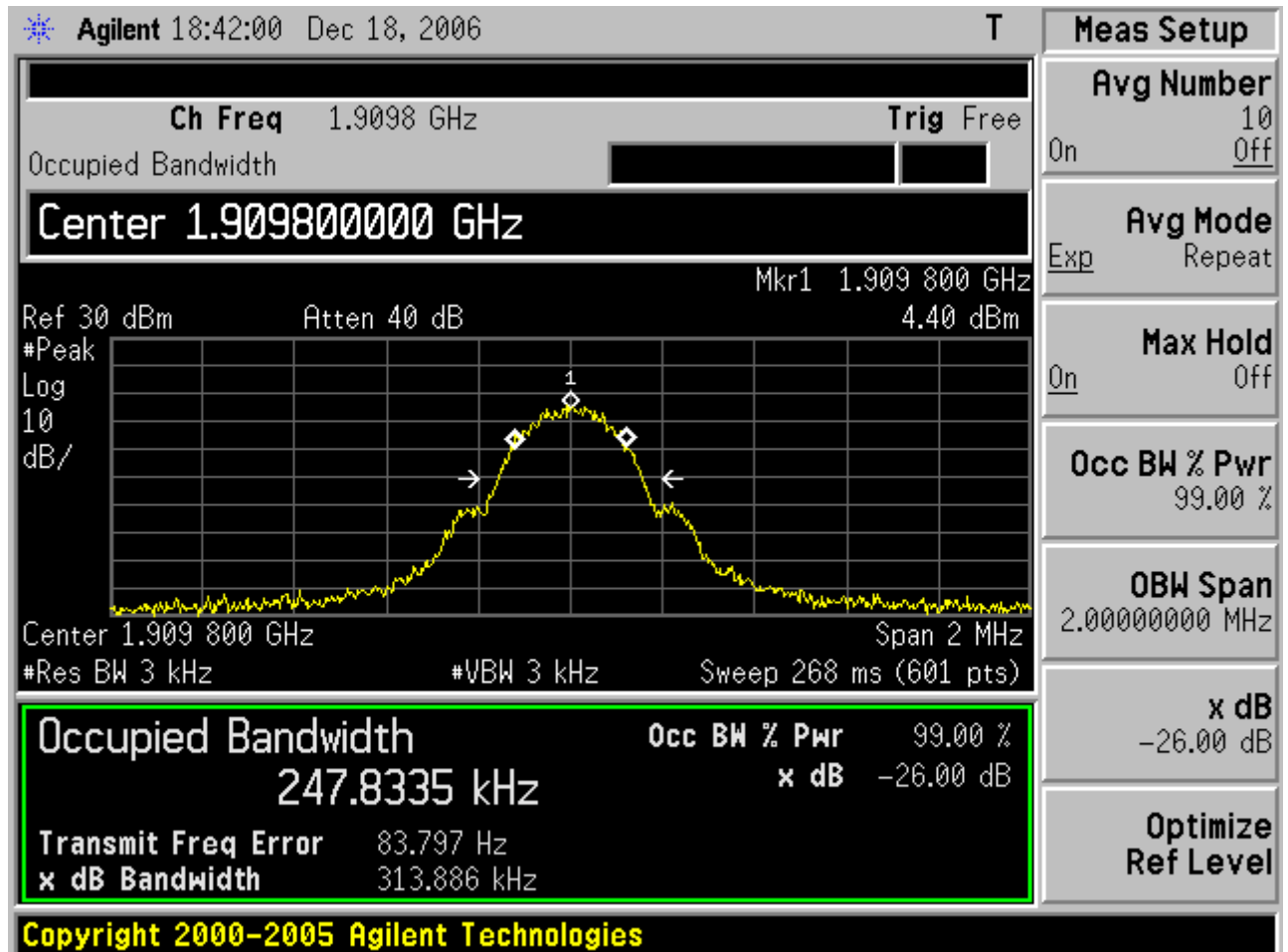


Test Mode: PCS 1900 CH661 99% Occupied Bandwidth



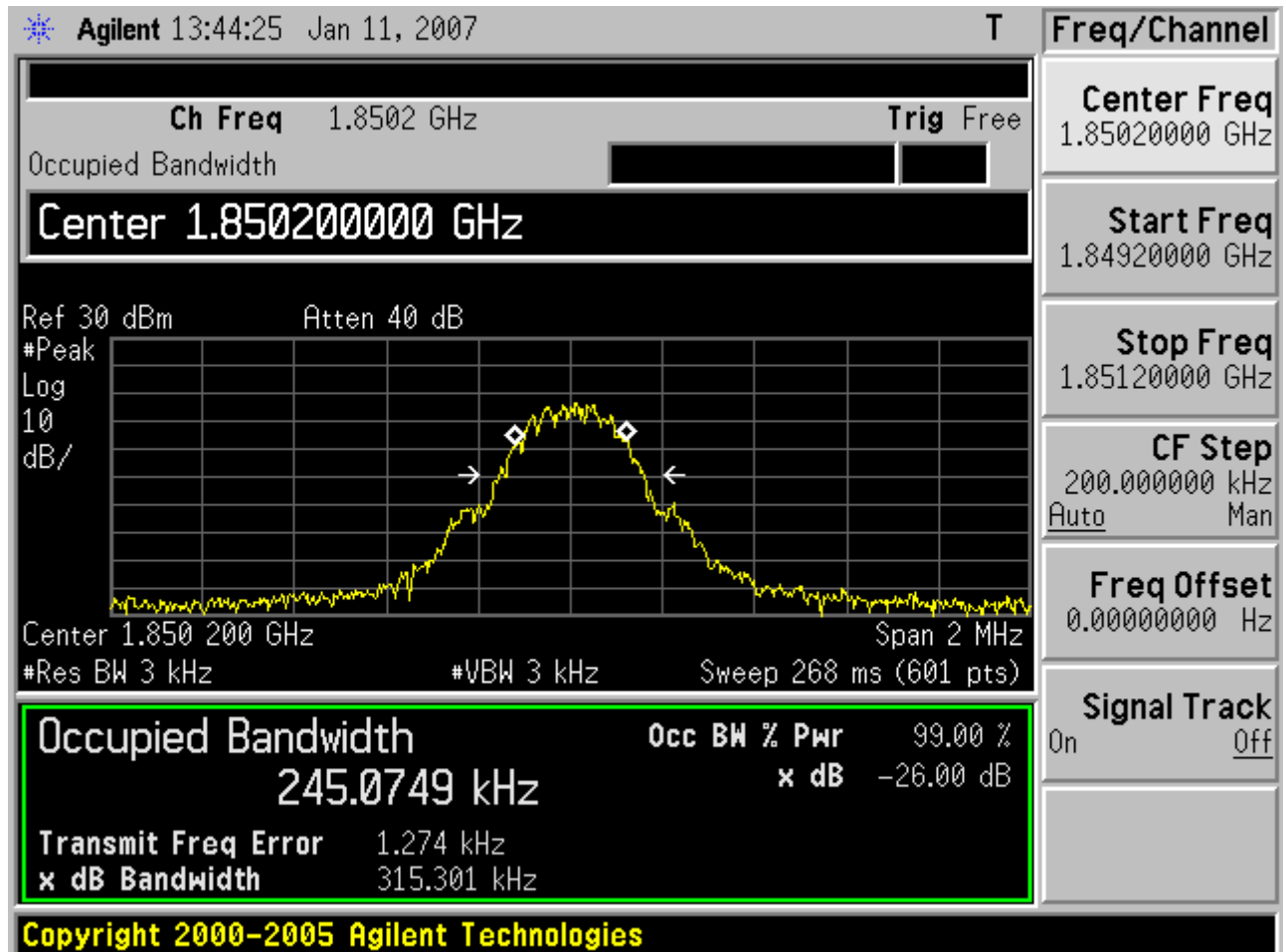


Test Mode: PCS 1900 CH810 99% Occupied Bandwidth



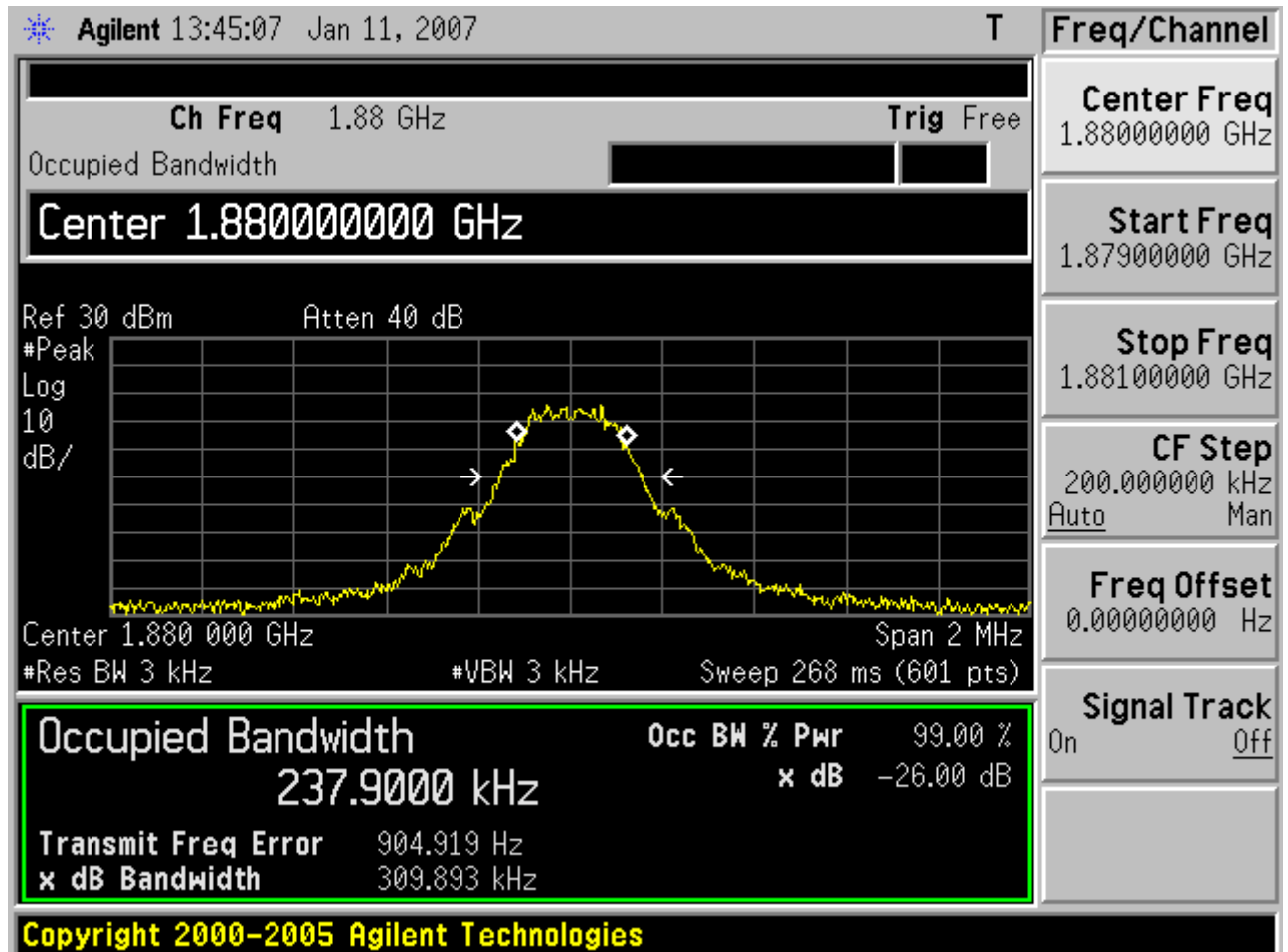


Test Mode: PCS 1900 + GPRS CH512 99% Occupied Bandwidth



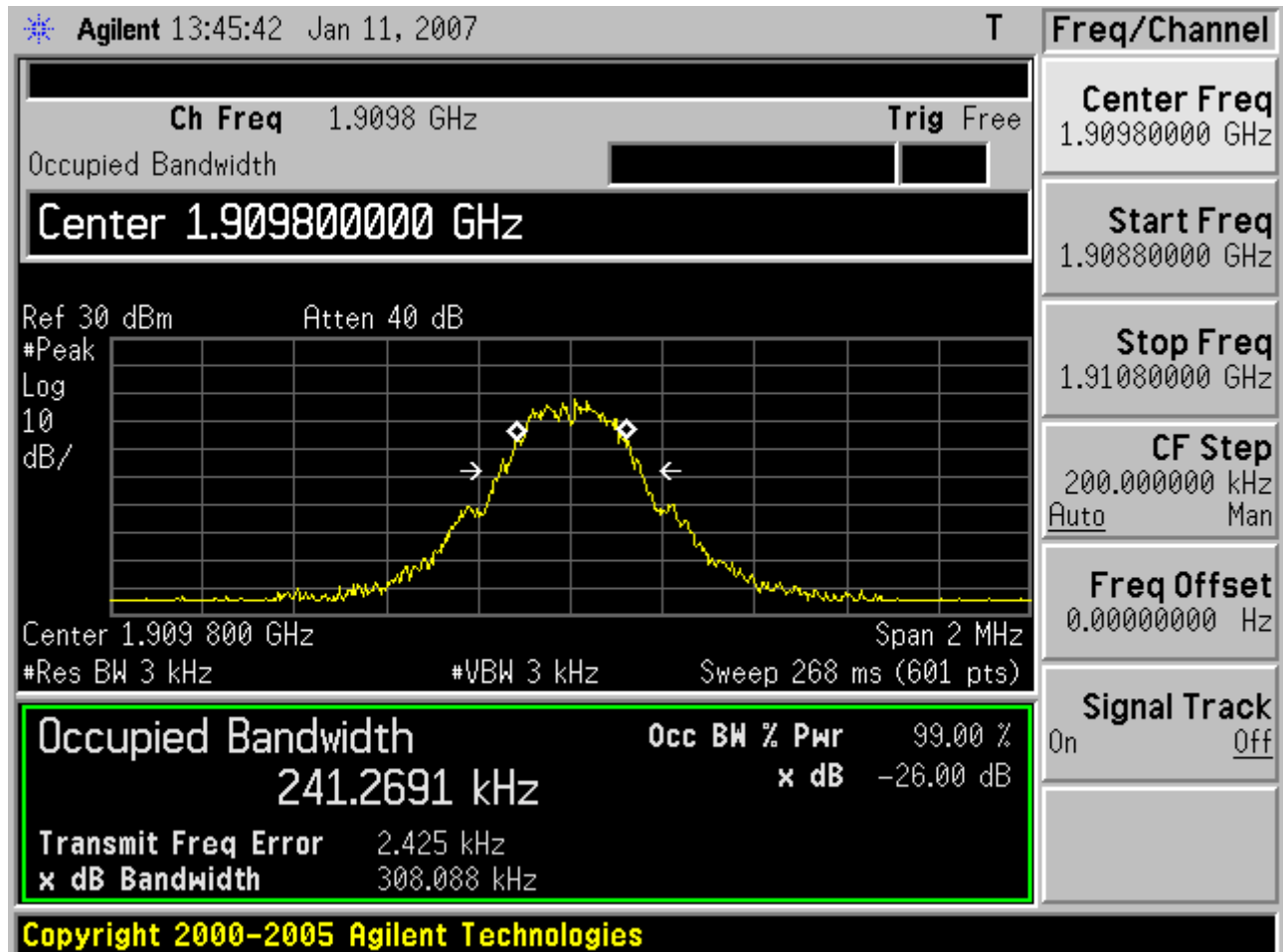


Test Mode: PCS 1900 + GPRS CH661 99% Occupied Bandwidth





Test Mode: PCS 1900 + GPRS CH810 99% Occupied Bandwidth





4.4.5 Bandedge Test Result

GSM 850			
Lower Band Edge			
Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)
128	823.9900	-19.46	-13
Higher Band Edge			
Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)
251	849.0175	-16.30	-13

GSM 850 + GPRS			
Lower Band Edge			
Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)
128	823.3825	-15.50	-13
Higher Band Edge			
Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)
251	849.0225	-14.75	-13



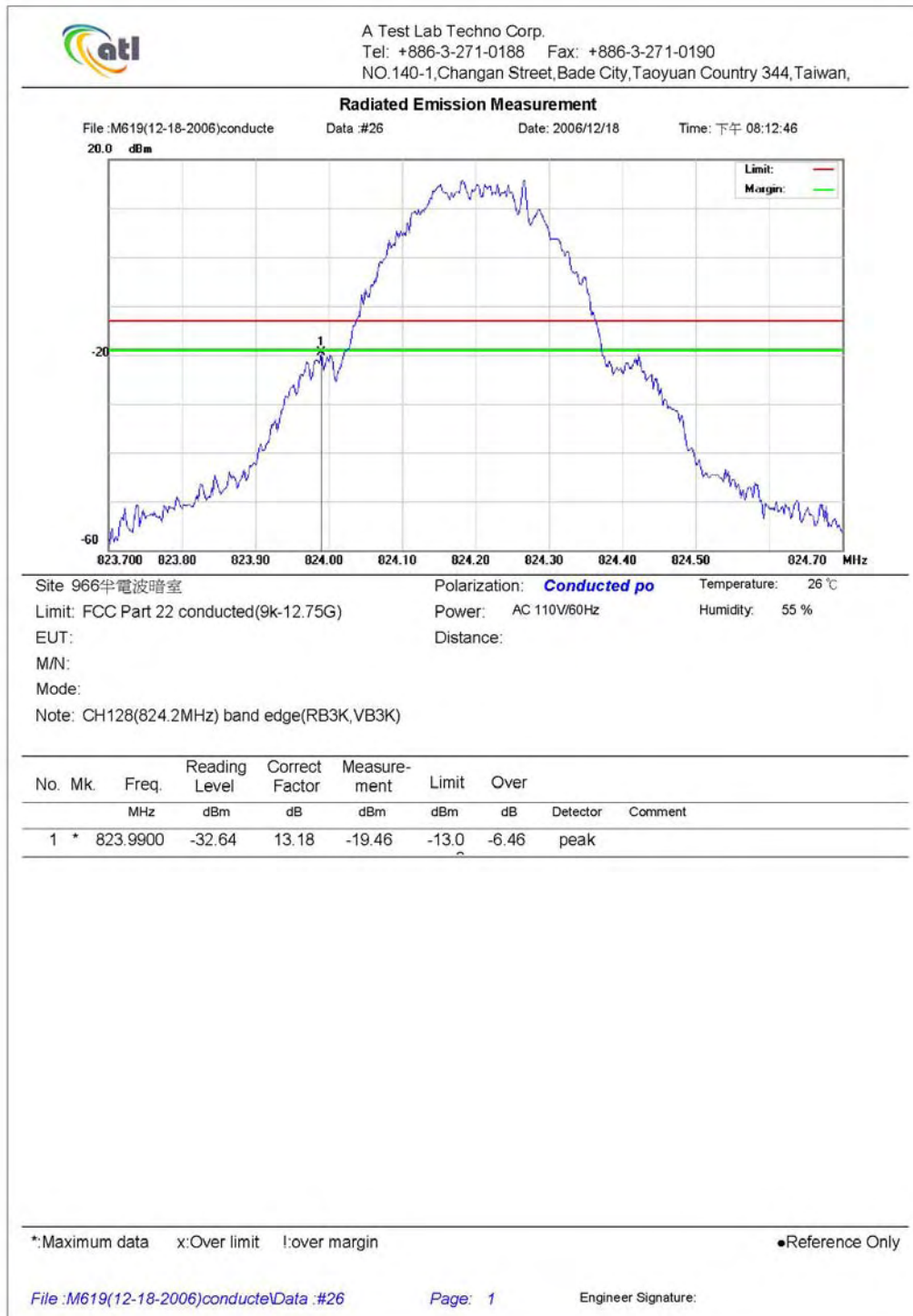
PCS 1900			
Lower Band Edge			
Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)
512	1849.995	-17.84	-13
Higher Band Edge			
Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)
810	1910.015	-13.92	-13

PCS 1900 + GPRS			
Lower Band Edge			
Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)
128	1849.995	-17.84	-13
Higher Band Edge			
Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)
251	1910.015	-13.92	-13



Test Mode: GSM 850 CH128 Low Band Edge

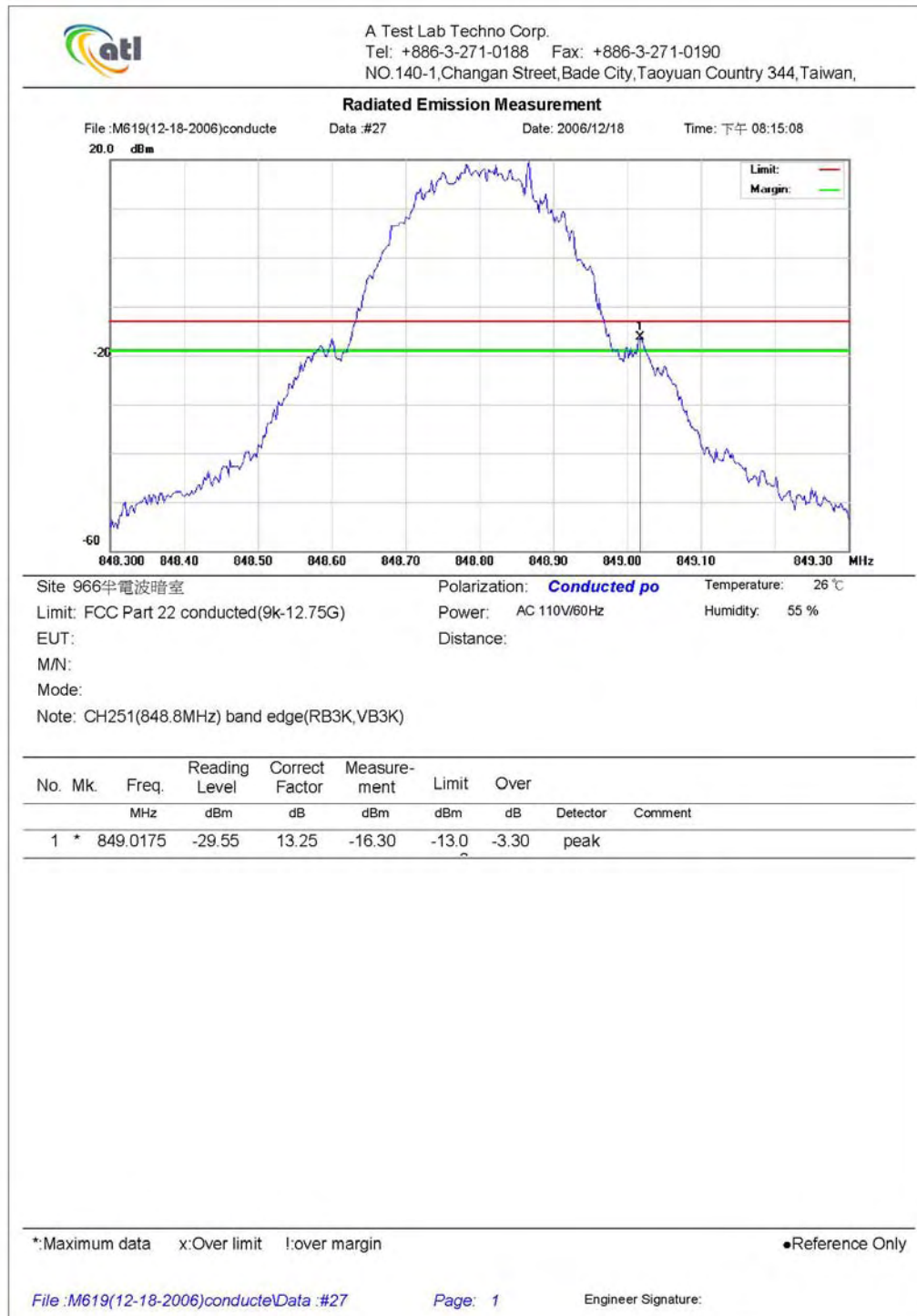
Power State: Normal





Test Mode: GSM 850 CH251 High Band Edge

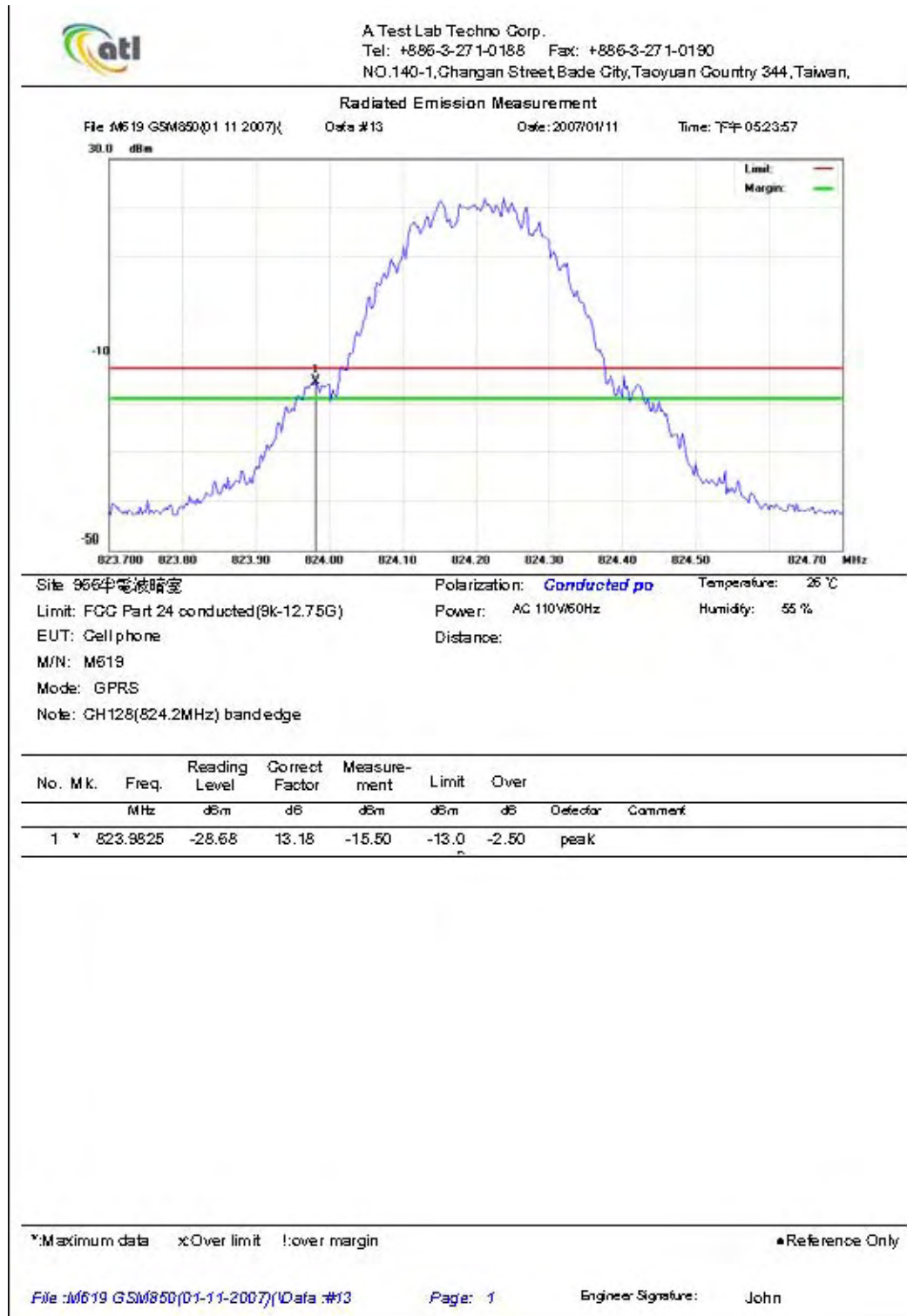
Power State: Normal





Test Mode: GSM 850 + GPRS CH128 Low Band Edge

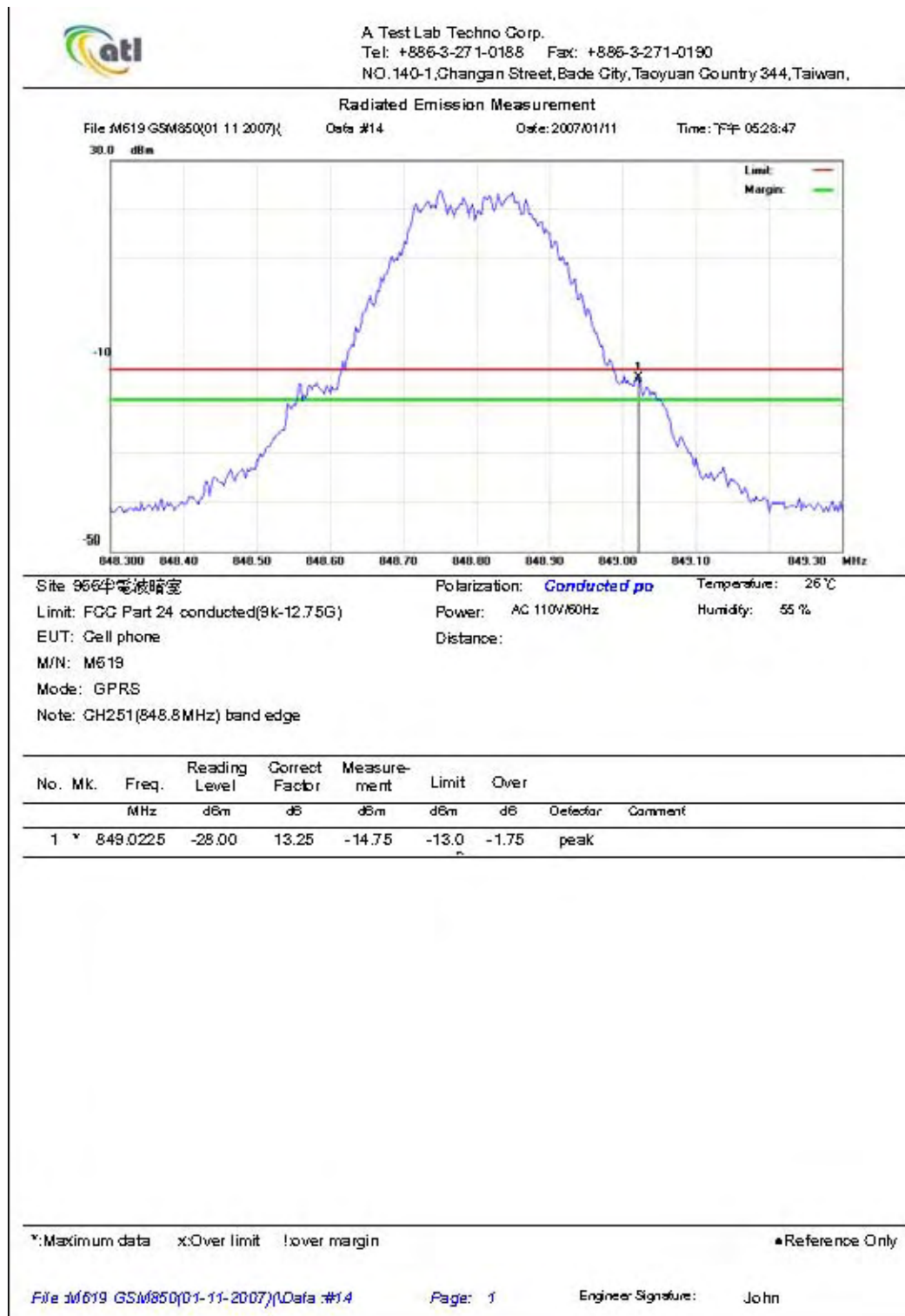
Power State: Normal





Test Mode: GSM 850 + GPRS CH251 High Band Edge

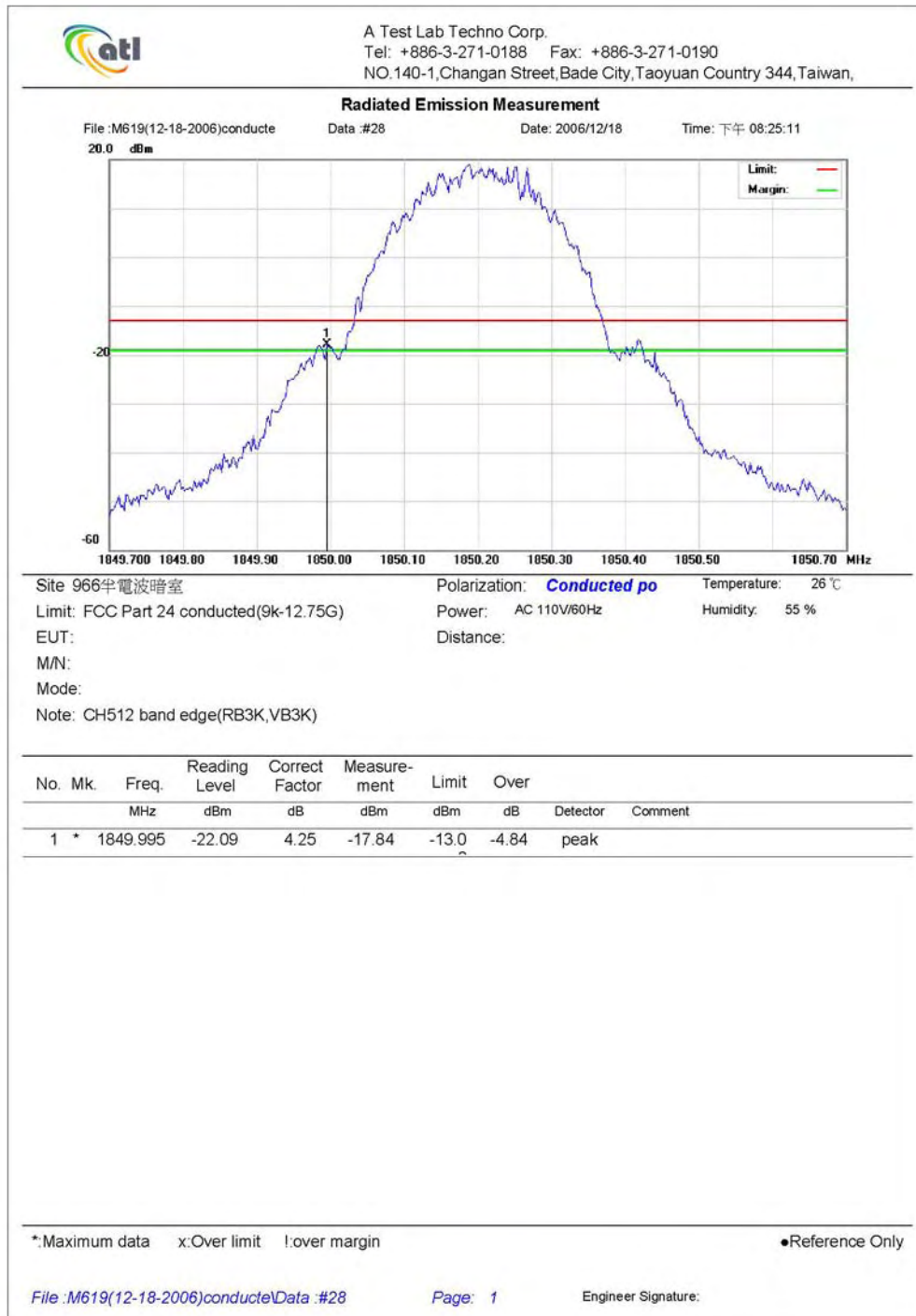
Power State: Normal





Test Mode: PCS 1900 CH512 Low Band Edge

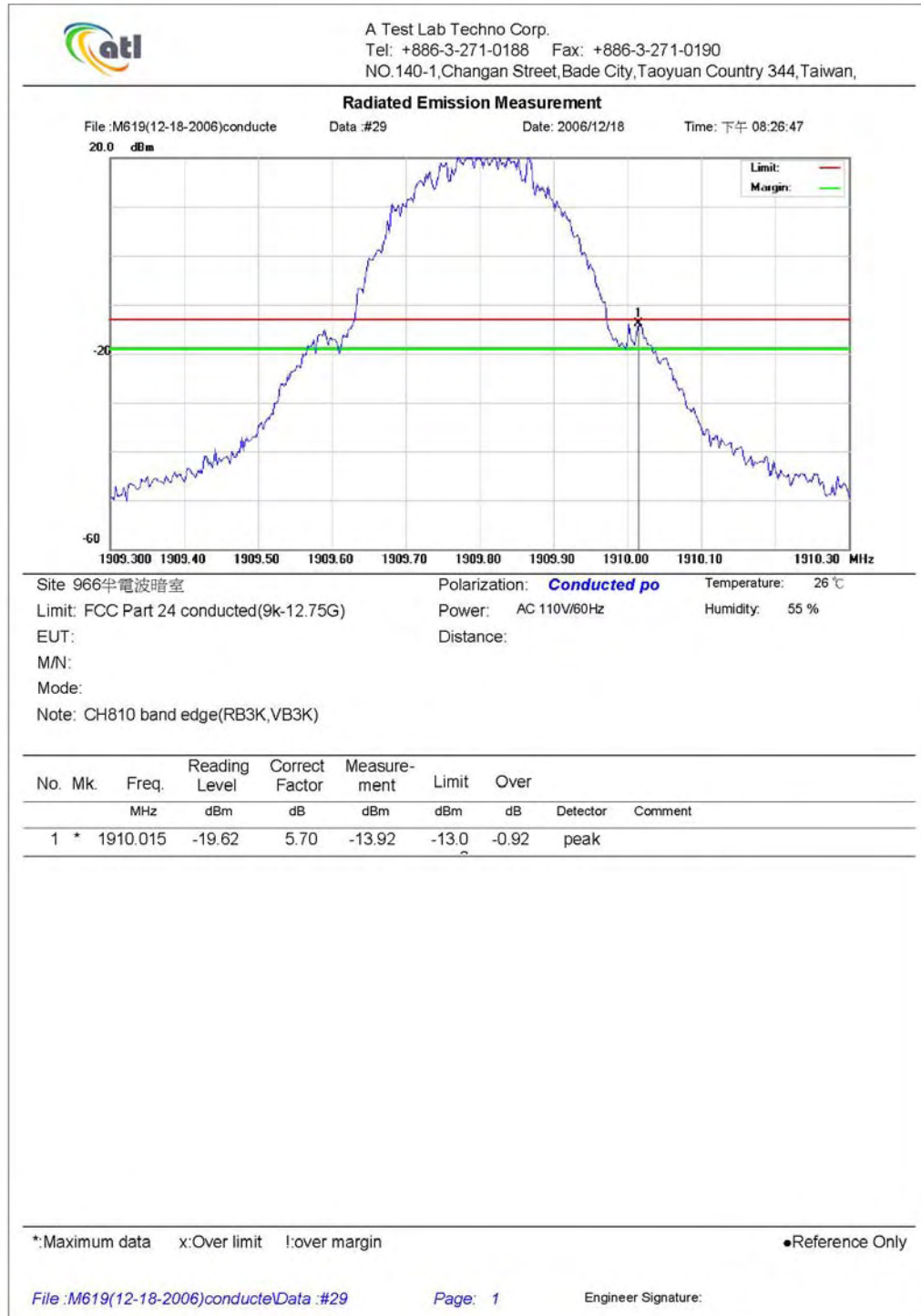
Power State: Normal





Test Mode: PCS 1900 CH810 High Band Edge

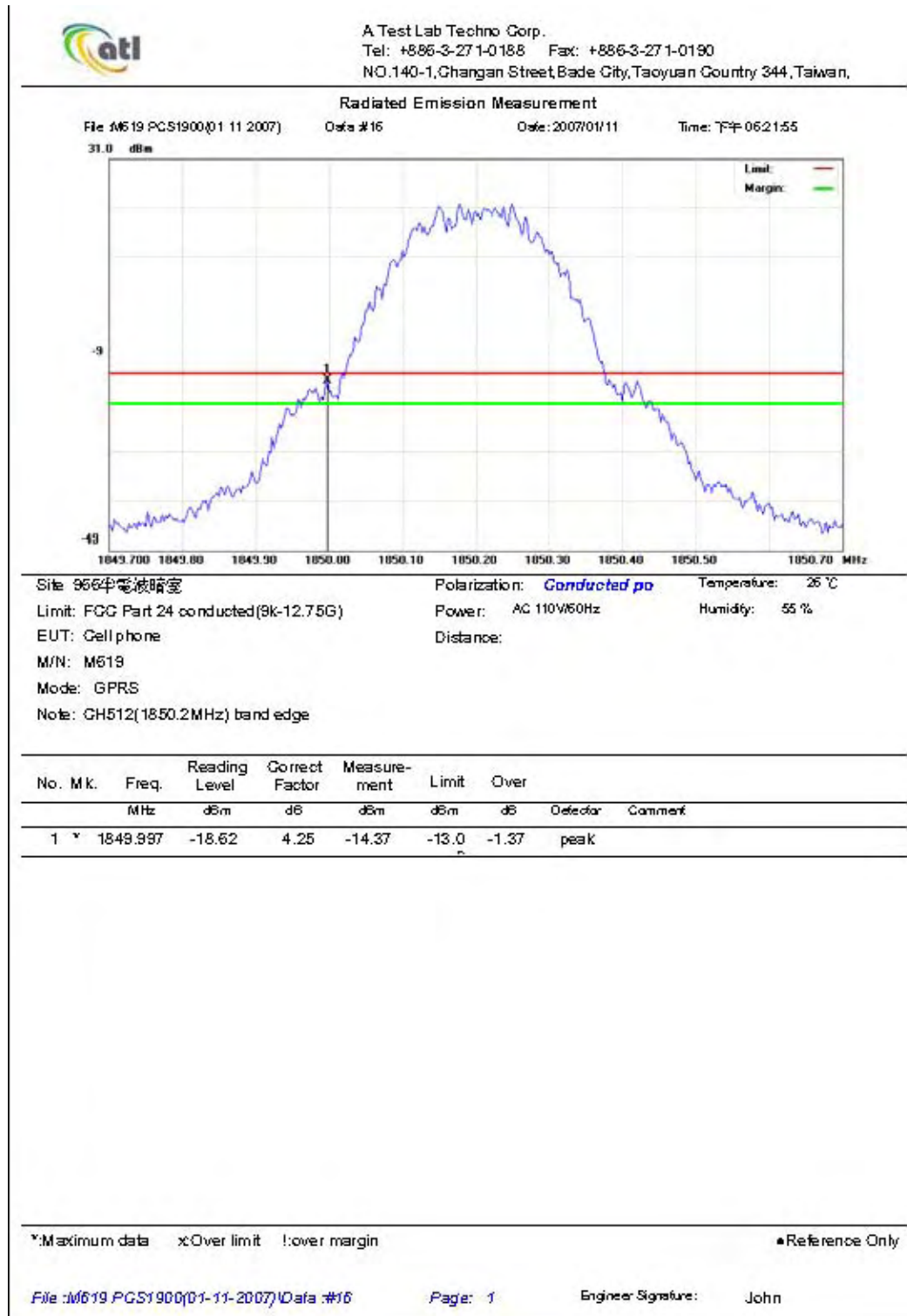
Power State: Normal





Test Mode: PCS 1900 +GPRS CH512 Low Band Edge

Power State: Normal





Test Mode: PCS 1900 +GPRS CH810 High Band Edge

Power State: Normal



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NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan.

Radiated Emission Measurement

File M619 PCS1900(01-11-2007) Data #17 Date:2007/01/11 Time:下午 06:24:18



Site 966中電波暗室

Limit: FCC Part 24 conducted(9K-12.75G)

EUT: Cell phone

M/N: M619

Mode: GPRS

Note: CH810(1909.8MHz) band edge

Polarization: Conducted po

Power: AC 110V/60Hz

Distance:

Temperature: 26℃

Humidity: 55%

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	1910.020	-20.52	5.70	-14.82	-13.0	-1.82	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619 PCS1900(01-11-2007)\Data #17

Page: 1

Engineer Signature: John

4.5 Conducted Emission

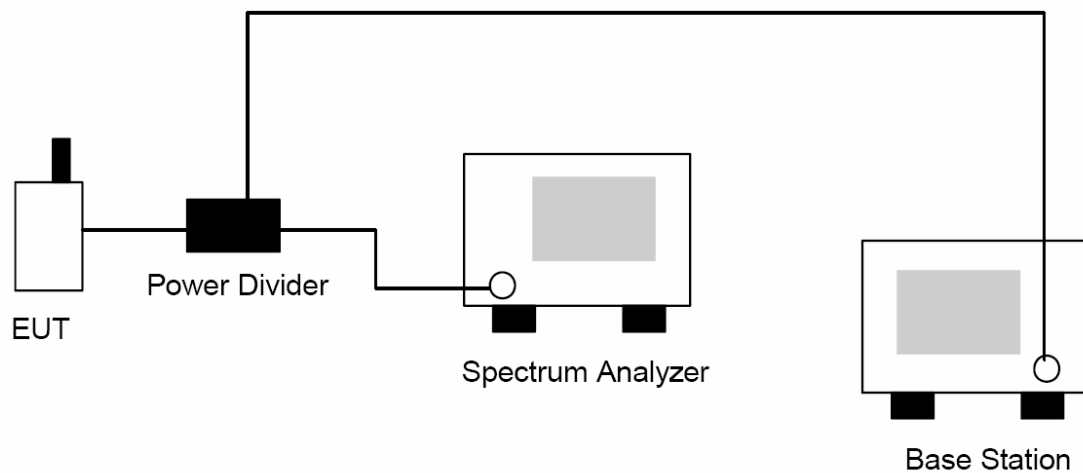
4.5.1 Measurement Instruments

As described in chapter 5 of this test report.

4.5.2 Test Procedure

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The middle channel for the highest RF power within the transmitting frequency was measured.
3. The conducted spurious emission for the whole frequency range was taken.

4.5.3 Test Setup Layout





4.5.4 Test Result

4.5.4.1 GSM 850 Test Result

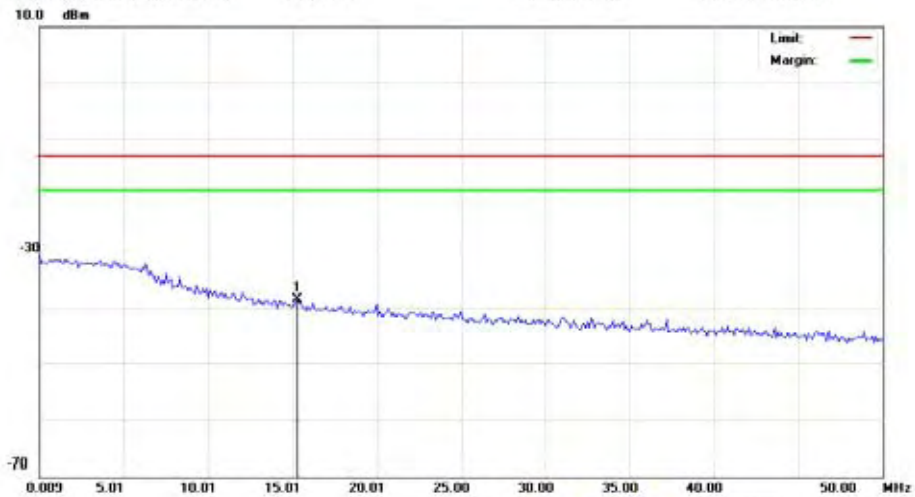
Applicant : Inventec Corporation
Model No : Mercury 619
EUT : PDA PHONE
Test Mode : GSM 850 (Low CH128 / Middle CH190 / High CH 251)
Test Date : 12/19/2006
Please refer to next pager of detail testing data.



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Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan.

Radiated Emission Measurement

File: M619(12-18-2006)conducted Data #30 Date: 2006/12/19 Time: 下午 08:57:05



Site: 966中電波暗室 Polarization: Conducted po Temperature: 26 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: CH251(848.8MHz)
加Notch(3TNF-800)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	15.3062	-59.53	21.09	-38.44	-13.0	-25.44	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File: M619(12-18-2006)conductedData #30

Page: 1

Engineer Signature:

Radiated Emission Measurement

File M619(12-18-2006)conducted

Data #4

Date:2006/12/18

Time:下午 05:36:49



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26 °C

Limit: FCC Part 22 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode:

Note: CH190(836.6MHz)

加Notch(3TNF-800)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3.3833	-61.55	30.10	-31.45	-13.0	-18.45	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619(12-18-2006)conductedData #4

Page: 1

Engineer Signature:



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Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan.

Radiated Emission Measurement

File :M619(12-18-2006)conducted Data :#5 Date:2006/12/18 Time:下午 05:37:08



Site: 955中電波暗室 Polarization: **Conducted po** Temperature: 26 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: CH190(836.6MHz)
加Notch(3TNF-800)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		677.0000	-44.96	3.61	-41.35	-13.0	-28.35	peak	
2	*	836.1250	-26.89	3.96	-22.93	-13.0	-9.93	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619(12-18-2006)conductedData :#5

Page: 1

Engineer Signature:

Radiated Emission Measurement

File M619(12-18-2006)conducted

Data #7

Date:2006/12/18

Time:下午 05:39:50



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26℃

Limit: FCC Part 22 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55%

EUT:

Distance:

M/N:

Mode:

Note: CH251(848.8MHz)

加Notch(3TNF-800)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		688.8750	-43.78	3.69	-40.09	-13.0	-27.09	peak	
2	*	848.0000	-25.03	3.98	-21.05	-13.0	-8.05	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619(12-18-2006)conductedData #7

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File: M619(12-18-2006)conducted Data #17 Date: 2006/12/18 Time: 下午 07:10:15



Site: 955中電波暗室 Polarization: **Conducted po** Temperature: 25 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: CH128(824.2MHz)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	1650.000	-45.73	4.45	-41.28	-13.0	-28.28	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File: M619(12-18-2006)conductedData #17

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File M619(12-18-2006)conducted Data #18 Date:2006/12/18 Time:下午 07:10:34



Site 955中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: CH128(824.2MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	8061.250	-48.43	5.32	-43.11	-13.0	-30.11	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619(12-18-2006)conductedData #18

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File: M619(12-18-2006)conducted Data #19 Date: 2006/12/18 Time: 下午 07:11:35



Site: 955中電波暗室

Polarization: **Conducted po**

Temperature: 25 °C

Limit: FCC Part 22 conducted(9K-12.75G)

Power: AC 110V60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode:

Note: CH190(836.6MHz)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	1670.000	-45.00	4.46	-40.54	-13.0	-27.54	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File: M619(12-18-2006)conductedData #19

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File M619(12-18-2006)conducted

Data #20

Date:2006/12/18

Time:下午 07:11:53



Site 955中電波暗室

Polarization: Conducted po

Temperature: 26 °C

Limit: FCC Part 22 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode:

Note: CH190(836.6MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	9204.375	-46.78	5.50	-41.28	-13.0	-28.28	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619(12-18-2006)conductedData #20

Page: 1

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Radiated Emission Measurement

File: M619(12-18-2006)conducted Data #21 Date: 2006/12/18 Time: 下午 07:12:39



Site: 955中電波暗室

Polarization: **Conducted po**

Temperature: 25 °C

Limit: FCC Part 22 conducted(9K-12.75G)

Power: AC 110V60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode:

Note: CH251(848.8MHz)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	1700.000	-45.97	4.48	-41.49	-13.0	-28.49	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File: M619(12-18-2006)conductedData #21

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File M619(12-18-2006)conducted Data #22 Date:2006/12/18 Time:下午 07:12:58



Site 955中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: CH251(848.8MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	9340.000	-47.88	5.14	-42.74	-13.0	-29.74	peak	

*:Maximum data x:Over limit !:over margin ●Reference Only

File M619(12-18-2006)conductedData #22

Page: 1

Engineer Signature:



4.5.4.2 GSM 850 + GPRS Test Result

Applicant : Inventec Corporation

Model No : Mercury 619

EUT : PDA PHONE

Test Mode : GSM 850 + GPRS (Low CH128 / Middle CH190 / High CH 251)

Test Date : 01/11/2007

Please refer to next pager of detail testing data.



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Radiated Emission Measurement

File :M619 GSM850(D1-11-2007)(Data :#1 Date:2007/1/11 Time: 下午 03:57:32



Site 955中電波暗室 Polarization: **Conducted po** Temperature: 25 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH128(824.2MHz)
加Notch(3TNF-800)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	0.1340	-56.29	30.44	-25.85	-13.0	-12.85	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619 GSM850(D1-11-2007)(Data :#1

Page: 1

Engineer Signature: John



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Radiated Emission Measurement

File M619 GSM850(01-11-2007) Data #2 Date: 2007/11/11 Time: 下午 03:57:51



Site 966中電波暗室

Limit: FCC Part 22 conducted(9K-12.75G)

EUT: Cell phone

M/N: M619

Mode: GPRS

Note: CH128(824.2MHz)

加Notch(3TNF-800)

Polarization: Conducted po

Power: AC 110V/60Hz

Distance:

Temperature: 26℃

Humidity: 55%

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		639.0000	-50.52	4.01	-46.51	-13.0	-33.51	peak	
2	*	824.2500	-29.30	3.84	-25.46	-13.0	-12.46	peak	

*:Maximum data x:Over limit !:over margin

Reference Only

File M619 GSM850(01-11-2007)(Data #2

Page: 1

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Radiated Emission Measurement

File: M619 GSM850(D1-11-2007) Data: #3 Date: 2007/1/11 Time: 下午 04:00:26



Site: 966中電波暗室 Polarization: Conducted po Temperature: 26 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH190(836.6MHz)
加Notch(3TNF-800)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	0.1340	-54.29	30.44	-23.85	-13.0	-10.85	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File: M619 GSM850(D1-11-2007) Data: #3

Page: 1

Engineer Signature: John



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Radiated Emission Measurement

File M619 GSM850(01-11-2007) Data #4 Date: 2007/1/11 Time: 下午 04:00:45



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26 °C

Limit: FCC Part 22 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Cell phone

Distance:

M/N: M619

Mode: GPRS

Note: CH190(836.6MHz)

加Notch(3TNF-800)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		149.7500	-51.84	7.86	-43.98	-13.0	-30.98	peak	
2	*	836.1250	-30.43	3.96	-26.47	-13.0	-13.47	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619 GSM850(01-11-2007)(Data #4

Page: 1

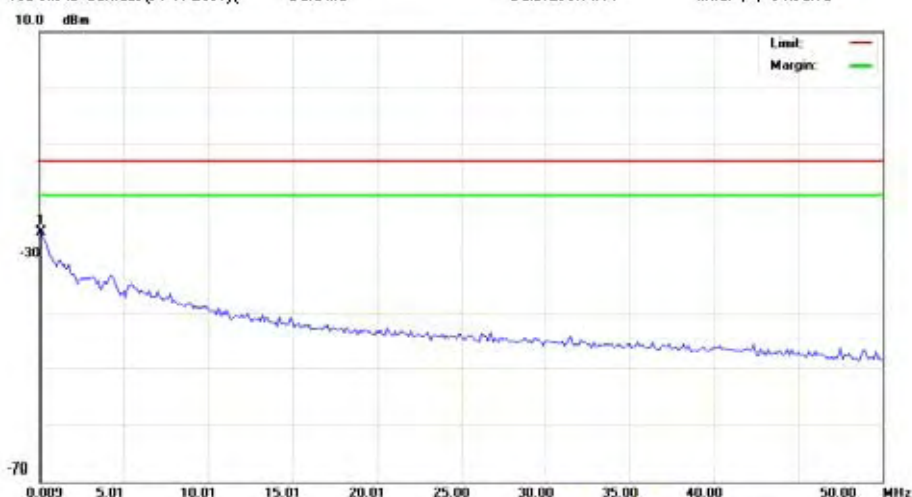
Engineer Signature: John



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Radiated Emission Measurement

File :M619 GSM850(01-11-2007)(Data :#5 Date:2007/1/11 Time: 下午 04:03:15



Site 955中電波暗室 Polarization: Conducted po Temperature: 25 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH251(848.8MHz)
加Notch(3TNF-800)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	0.1340	-56.05	30.44	-25.61	-13.0	-12.61	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619 GSM850(01-11-2007)(Data :#5

Page: 1

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Radiated Emission Measurement

File M619 GSM850(01-11-2007) Data #5 Date: 2007/1/11 Time: 下午 04:03:34



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26°C

Limit: FCC Part 22 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55%

EUT: Cell phone

Distance:

M/N: M619

Mode: GPRS

Note: CH251(848.8MHz)

加Notch(3TNF-800)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		145.0000	-51.95	7.92	-44.03	-13.0	-31.03	peak	
2	*	848.0000	-30.11	3.98	-26.13	-13.0	-13.13	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619 GSM850(01-11-2007)(Data #5

Page: 1

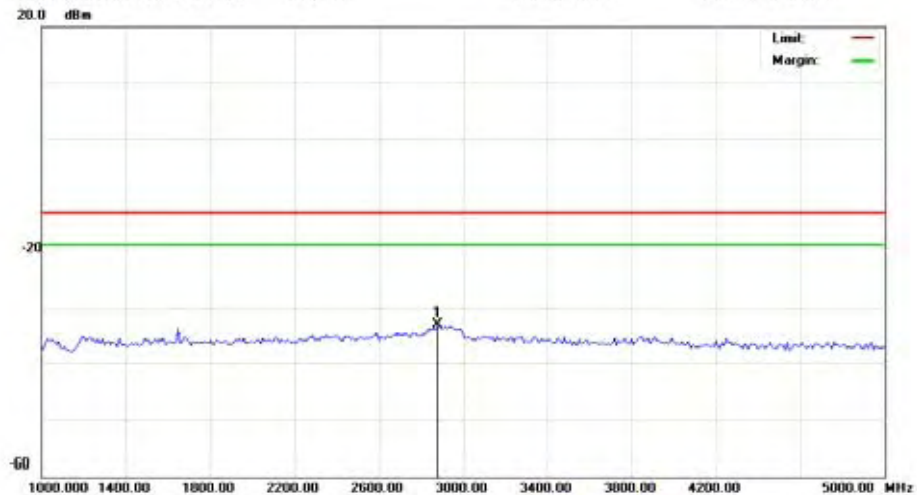
Engineer Signature: John



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Radiated Emission Measurement

File :M619 GSM850(D1-11-2007) Data :#7 Date: 2007/1/11 Time: 下午 05:08:07



Site: 955中電波暗室 Polarization: **Conducted po** Temperature: 25 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH128(824.2MHz)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2880.000	-37.80	4.66	-33.14	-13.0	-20.14	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619 GSM850(D1-11-2007) Data :#7

Page: 1

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Radiated Emission Measurement

File M619 GSM850(01 11 2007) Data #8 Date:2007/1/11 Time:下午 05:08:27



Site 955中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: GH128(824.2MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	8506.875	-38.93	5.68	-33.25	-13.0	-20.25	peak	

*:Maximum data x:Over limit !:over margin ●Reference Only

File M619 GSM850(01-11-2007)(Data #8

Page: 1

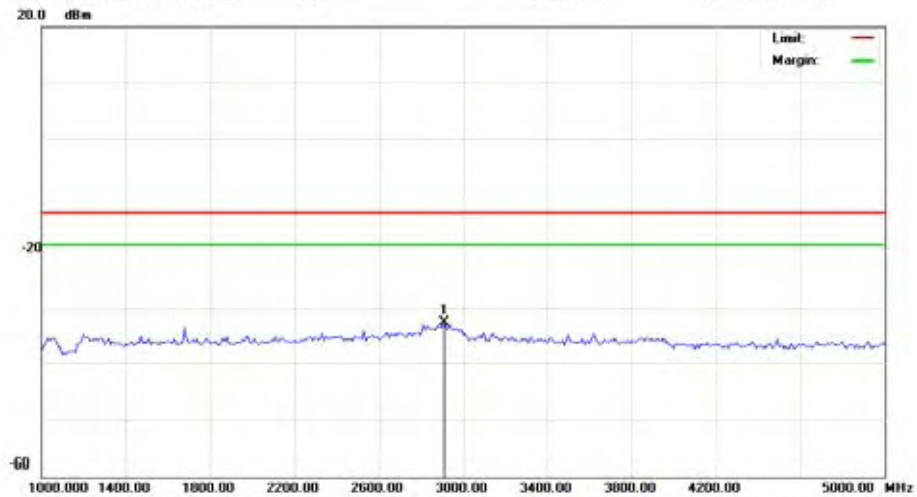
Engineer Signature: John



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Radiated Emission Measurement

File :M619 GSM850(D1-11-2007) Data :#9 Date:2007/1/11 Time: 下午 05:09:22



Site: 955中電波暗室 Polarization: **Conducted po** Temperature: 25 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH190(836.6MHz)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2910.000	-37.48	4.72	-32.76	-13.0	-19.76	peak	

*:Maximum data x:Over limit !:over margin ●Reference Only

File :M619 GSM850(D1-11-2007) Data :#9 Page: 1 Engineer Signature: John



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Radiated Emission Measurement

File M619 GSM850(01 11 2007) Data #10 Date:2007/1/11 Time:下午 05:09:42



Site 956中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH190(836.6MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	7363.750	-38.74	5.08	-33.66	-13.0	-20.66	peak	

*:Maximum data x:Over limit !:over margin ●Reference Only

File M619 GSM850(01-11-2007)(Data #10

Page: 1

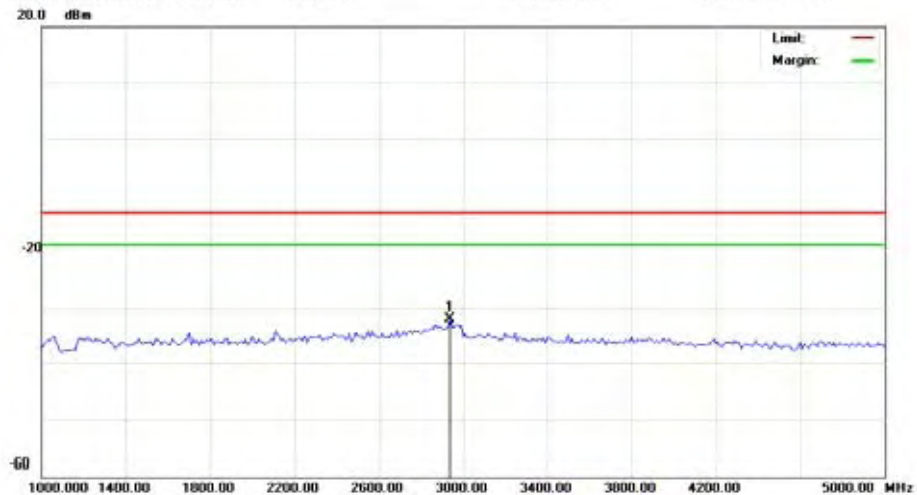
Engineer Signature: John



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Radiated Emission Measurement

File :M619 GSM850(D1-11-2007) Data #11 Date:2007/1/11 Time:下午 05:10:50



Site: 955中電波暗室 Polarization: **Conducted po** Temperature: 25 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH251(848.8MHz)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2940.000	-36.77	4.62	-32.15	-13.0	-19.15	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619 GSM850(D1-11-2007) Data #11

Page: 1

Engineer Signature: John



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Radiated Emission Measurement

File M619 GSM850(01-11-2007) Data #12 Date: 2007/1/11 Time: 下午 05:11:09



Site 955中電波暗室 Polarization: Conducted po Temperature: 26 °C
Limit: FCC Part 22 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: GH251(848.8MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	7344.375	-38.23	5.04	-33.19	-13.0	-20.19	peak	

*:Maximum data x:Over limit !:over margin

Reference Only

File M619 GSM850(01-11-2007)Data #12

Page: 1

Engineer Signature: John



4.5.4.3 PCS 1900 Test Result

Applicant : Inventec Corporation
Model No : Mercury 619
EUT : PDA PHONE
Test Mode : PCS 1900 (Low CH512 / Middle CH661 / High CH 810)
Test Date : 12/18/2006
Please refer to next pager of detail testing data.



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Radiated Emission Measurement

File :M619(12-18-2006)conducted Data :#8 Date:2006/12/18 Time: 下午 05:48:28



Site: 966中電波暗室 Polarization: Conducted po Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: GH512(1850.2MHz)
加10db衰减器

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	0.1340	-38.59	12.48	-26.11	-13.0	-13.11	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619(12-18-2006)conductedData :#8

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File M619(12-18-2006)conducted Data #9 Date: 2006/12/18 Time: 下午 05:48:47



Site 966中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: GH512(1850.2MHz)
加10db衰减器

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	902.6250	-47.46	13.24	-34.22	-13.0	-21.22	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619(12-18-2006)conductedData #9

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File :M619(12-18-2006)conducted Data #10 Date:2006/12/18 Time: 下午 05:49:28



Site: 966中電波暗室 Polarization: **Conducted po** Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: CH661(1880MHz)
加10db衰减器

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	0.1340	-38.64	12.48	-26.16	-13.0	-13.16	peak	

*:Maximum data x:Over limit !:over margin ■Reference Only

File :M619(12-18-2006)conductedData :#10

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File M619(12-18-2006)conducted

Order #11

Date: 2006/12/18

Time: 下午 05:49:47



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26℃

Limit: FCC Part 24 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55%

EUT:

Distance:

M/N:

Mode:

Note: CH661(1880MHz)

加10db衰减器

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	900.2500	-51.08	13.25	-37.82	-13.0	-24.82	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619(12-18-2006)conductedData :#11

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File :M619(12-18-2006)conducted Data #12 Date:2006/12/18 Time: 下午 05:51:05



Site: 966中電波暗室 Polarization: **Conducted po** Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: CH810(1909.8MHz)
加10db衰减器

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	0.1340	-38.93	12.48	-26.45	-13.0	-13.45	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619(12-18-2006)conductedData :#12

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File M619(12-18-2006)conducted Data #13 Date: 2006/12/18 Time: 下午 05:51:24



Site 966中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: GH810(1909.8MHz)
加10db衰减器

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	883.6250	-50.75	13.20	-37.55	-13.0	-24.55	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619(12-18-2006)conductedData #13

Page: 1

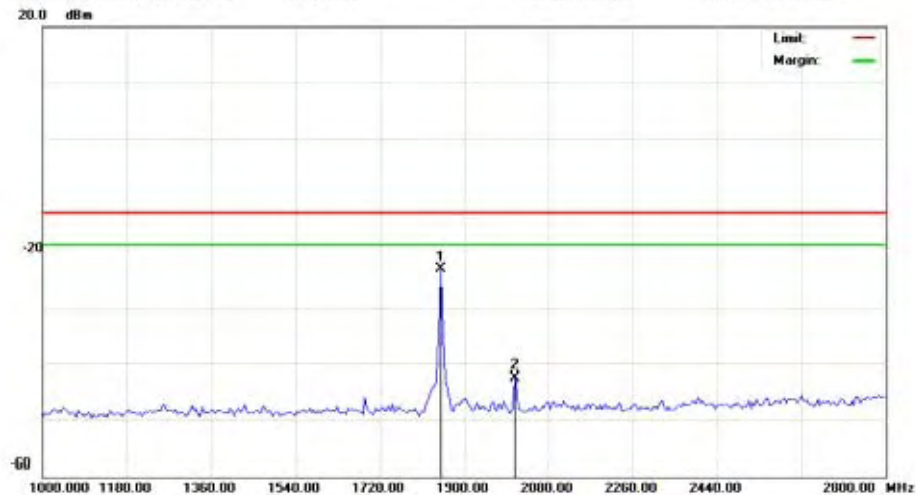
Engineer Signature:



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Radiated Emission Measurement

File :M619(12-18-2006)conducted Data #14 Date:2006/12/18 Time:下午 06:48:15



Site: 966中電波暗室 Polarization: **Conducted po** Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: GH512(1850.2MHz)
加Notch(5TNF-1700)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	1850.500	-27.58	4.25	-23.32	-13.0	-10.32	peak	
2		2008.000	-46.96	4.44	-42.52	-13.0	-29.52	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619(12-18-2006)conductedData :#14

Page: 1

Engineer Signature:



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NO. 140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan.

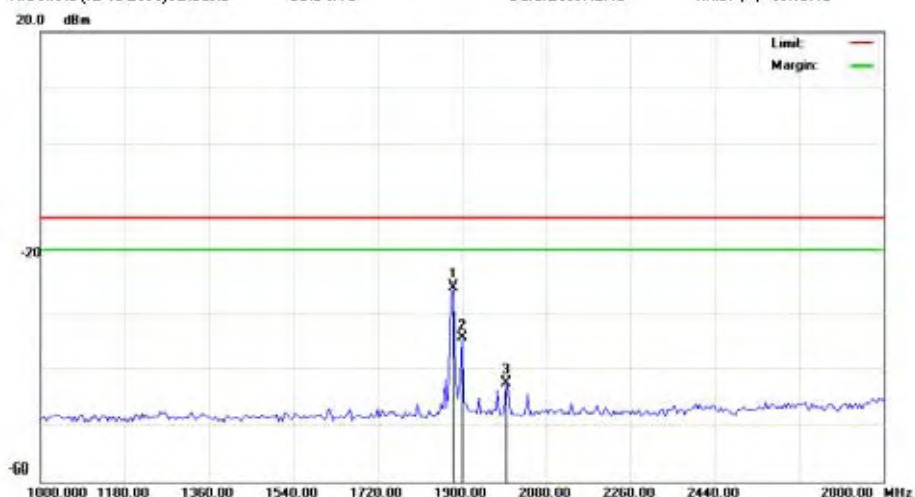
Radiated Emission Measurement

File M619(12-18-2006)conducted

Order #15

Date: 2006/12/18

Time: 下午 05:49:45



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26℃

Limit: FCC Part 24 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55%

EUT:

Distance:

M/N:

Mode:

Note: CH661(1880MHz)

加Notch(5TNF-1700)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	1882.000	-30.38	4.83	-25.55	-13.0	-12.55	peak	
2		1900.000	-41.13	6.63	-34.50	-13.0	-21.50	peak	
3		1994.500	-46.98	4.56	-42.42	-13.0	-29.42	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619(12-18-2006)conductedData :#15

Page: 1

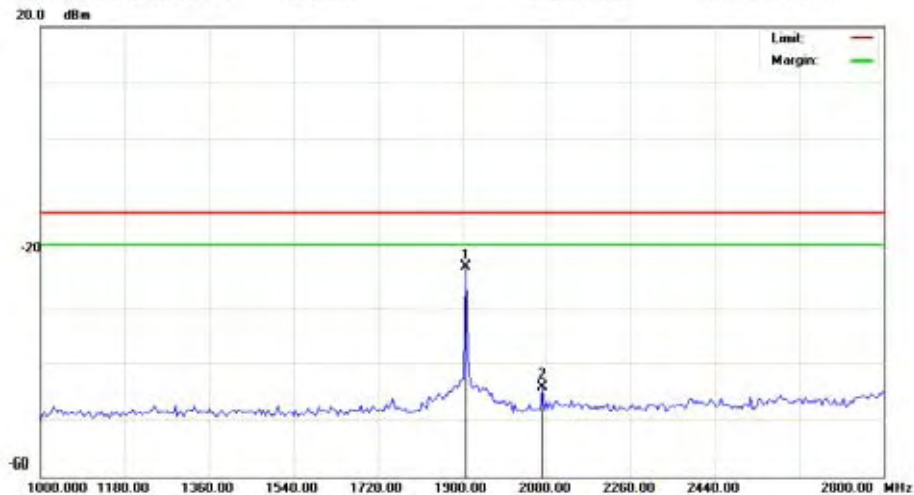
Engineer Signature:



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Radiated Emission Measurement

File :M619(12-18-2006)conducted Data #16 Date:2006/12/18 Time:下午05:52:05



Site: 966中電波暗室 Polarization: **Conducted po** Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: CH810(1909.8MHz)
加Notch(5TNF-1700)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	1909.000	-28.68	5.80	-22.88	-13.0	-9.88	peak	
2		2071.000	-48.54	4.42	-44.12	-13.0	-31.12	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619(12-18-2006)conductedData :#16

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File M619(12-18-2006)conducted

Order #23

Date: 2006/12/18

Time: 下午 07:25:35



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26 °C

Limit: FCC Part 24 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode:

Note: GH512(1850.2MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		3685.500	-44.02	4.87	-39.15	-13.0	-26.15	peak	
2	*	5561.125	-37.07	4.89	-32.18	-13.0	-19.18	peak	

*: Maximum data x: Over limit !: Over margin

▲ Reference Only

File M619(12-18-2006)conductedData :#23

Page: 1

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Radiated Emission Measurement

File :M619(12-18-2006)conducted Data #24 Date:2006/12/18 Time: 下午 07:26:23



Site: 966中電波暗室 Polarization: **Conducted po** Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT:
M/N:
Mode:
Note: GH661(1880MHz)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3770.125	-41.17	4.93	-36.24	-13.0	-23.24	peak	
2		5635.750	-43.79	4.86	-38.93	-13.0	-25.93	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619(12-18-2006)conductedData :#24

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File M619(12-18-2006)conducted Data #25 Date: 2006/12/18 Time: 下午 07:27:54



Site 966中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: GH810(1909.8MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	11431.62	-48.05	5.55	-42.50	-13.0	-29.50	peak	

*: Maximum data x: Over limit !: Over margin

▲ Reference Only

File M619(12-18-2006)conductedData #25

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File :M619(12-18-2006)conducted Data #31 Date:2007/01/05 Time:下午 01:54:35



Site: 966中電波暗室 Polarization: **Conducted po** Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Distance:
M/N:
Mode:
Note: GH512
加Notch(3TNF-800)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	16900.62	-39.72	5.98	-33.74	-13.0	-20.74	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619(12-18-2006)conductedData :#31

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File M619(12-18-2006)conducted

Order #32

Date: 2007/01/05

Time: 下午 01:54:57



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26 °C

Limit: FCC Part 24 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode:

Note: CH661

加Notch(3TNF-800)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	14852.50	-38.95	5.68	-33.27	-13.0	-20.27	peak	

*: Maximum data x: Over limit !: Over margin

▲ Reference Only

File M619(12-18-2006)conductedData :#32

Page: 1

Engineer Signature:



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Radiated Emission Measurement

File :M619(12-18-2006)conducted Data #33 Date:2007/01/05 Time: 下午 01:55:45



Site: 966中電波暗室 Polarization: Conducted po Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT:
M/N:
Mode:
Note: CH810
加Notch(3TNF-800)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	17245.00	-39.56	6.03	-33.53	-13.0	-20.53	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File :M619(12-18-2006)conductedData :#33

Page: 1

Engineer Signature:



4.5.4.4 PCS 1900 + GPRS Test Result

Applicant : Inventec Corporation

Model No : Mercury 619

EUT : PDA PHONE

Test Mode : PCS 1900 + GPRS (Low CH512 / Middle CH661 / High CH 810)

Test Date : 01/11/2007

Please refer to next pager of detail testing data.



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Radiated Emission Measurement

File: M619_PGS1900(01-11-2007) Data: #1 Date: 2007/01/11 Time: 下午 03:20:18



Site: 966中電波暗室 Polarization: **Conducted po** Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: GH512(1850.2MHz)
加10db衰减器

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	0.1340	-35.87	12.48	-23.39	-13.0	-10.39	peak	

*:Maximum data x:Over limit !:over margin ●Reference Only

File: M619_PGS1900(01-11-2007) Data: #1

Page: 1

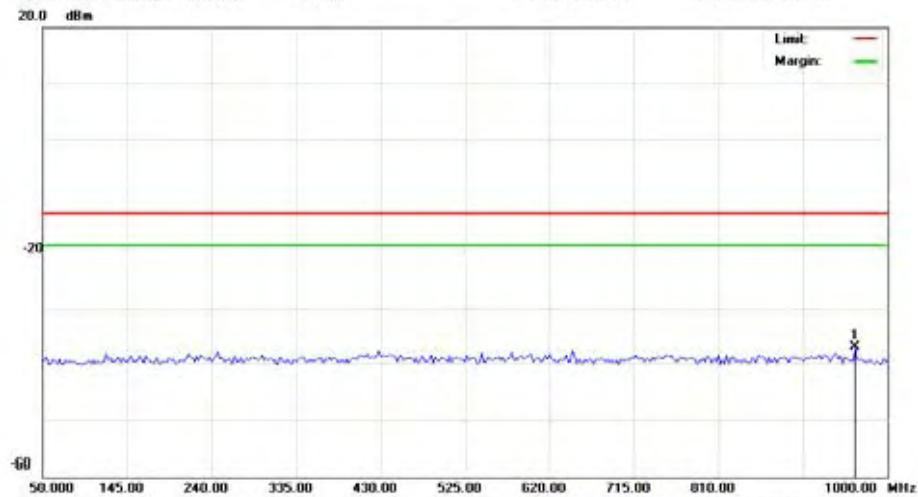
Engineer Signature: John



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NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan.

Radiated Emission Measurement

File M619 PCS1900(01-11-2007) Data #2 Date:2007/01/11 Time:下午 03:20:37



Site 966中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: GH512(1850.2MHz)
加10db衰减器

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	964.3750	-50.26	13.19	-37.07	-13.0	-24.07	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File M619 PCS1900(01-11-2007)\Data #2

Page: 1

Engineer Signature: John



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Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan.

Radiated Emission Measurement

File: M619_PCS1900(01-11-2007) Data: #3 Date: 2007/01/11 Time: 下午 03:22:02



Site: 966中電波暗室 Polarization: Conducted po Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: GH661(1880MHz)
加10db衰减器

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	0.1340	-35.99	12.48	-23.51	-13.0	-10.51	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File: M619_PCS1900(01-11-2007)Data: #3

Page: 1

Engineer Signature: John



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Radiated Emission Measurement

File M619 PCS1900(01-11-2007) Data #4 Date:2007/01/11 Time:下午 03:22:21



Site 966中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: GH661(1880MHz)
加10db衰减器

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	634.2500	-50.33	13.14	-37.19	-13.0	-24.19	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File M619 PCS1900(01-11-2007)\Data #4

Page: 1

Engineer Signature: John

Radiated Emission Measurement

File: M619_PCS1900(01-11-2007) Data: #5 Date: 2007/01/11 Time: 下午 03:23:05



Site: 966中電波暗室 Polarization: Conducted po Temperature: 26 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH810(1909.8MHz)
加10db衰减器

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	0.1340	-35.84	12.48	-23.36	-13.0	-10.36	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File: M619_PCS1900(01-11-2007) Data: #5

Page: 1

Engineer Signature: John



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Radiated Emission Measurement

File M619.PCS1900(01-11-2007)

Data #5

Date:2007/01/11

Time:下午 03:23:24



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26°C

Limit: FCC Part 24 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Cell phone

Distance:

M/N: M619

Mode: GPRS

Note: CH810(1909.8MHz)

加10db衰减器

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	757.7500	-50.78	13.16	-37.62	-13.0	-24.62	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File M619.PCS1900(01-11-2007)\Data #5

Page: 1

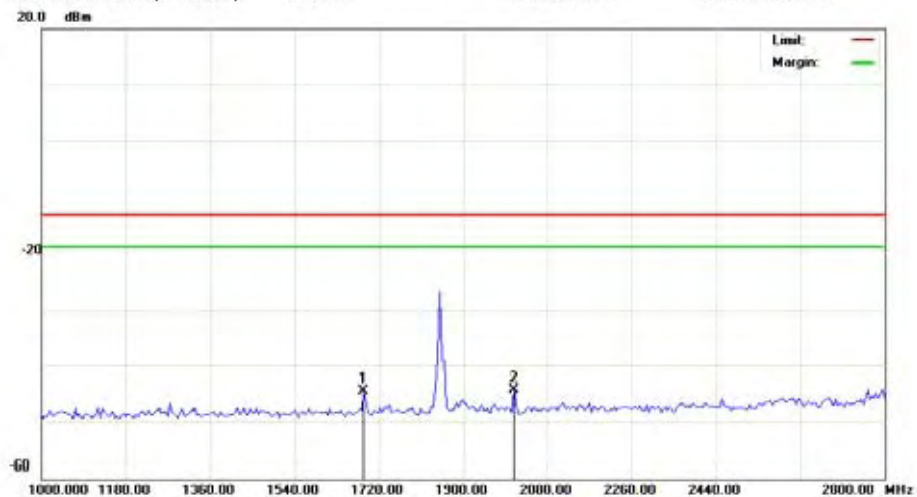
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Radiated Emission Measurement

File: M619_PCS1900(01-11-2007) Data: #7 Date: 2007/1/11 Time: 下午 04:12:19



Site: 955中電波暗室 Polarization: Conducted po Temperature: 25 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH512(1850.2MHz)
加Notch(5TNF-1700)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		1688.500	-48.73	4.30	-44.43	-13.0	-31.43	peak	
2	*	2008.000	-48.78	4.44	-44.34	-13.0	-31.34	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File: M619_PCS1900(01-11-2007)Data: #7

Page: 1

Engineer Signature: John



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Radiated Emission Measurement

File M619.PGS1900(01-11-2007)

Data #8

Date:2007/1/11

Time:下午 04:14:53



Site 966中電波暗室

Polarization: Conducted po

Temperature: 26℃

Limit: FCC Part 24 conducted(9K-12.75G)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: Cell phone

Distance:

M/N: M619

Mode: GPRS

Note: GH661(1880MHz)

加Notch(5TNF-1700)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		1720.000	-50.15	4.38	-45.77	-13.0	-32.77	peak	
2	*	2038.500	-49.46	4.51	-44.95	-13.0	-31.95	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File M619.PGS1900(01-11-2007)\Data #8

Page: 1

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Radiated Emission Measurement

File: M619_PCS1900(01-11-2007) Data: #9 Date: 2007/1/11 Time: 下午 04:17:10



Site: 955中電波暗室 Polarization: Conducted po Temperature: 25 °C
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: CH810(1909.8MHz)
加Notch(5TNF-1700)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	1751.500	-49.22	4.63	-44.59	-13.0	-31.59	peak	
2		2408.500	-50.72	5.17	-45.55	-13.0	-32.55	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File: M619_PCS1900(01-11-2007)Data: #9

Page: 1

Engineer Signature: John



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Radiated Emission Measurement

File M619.PCS1900(01-11-2007) Data #10 Date:2007/11/11 Time:下午 04:58:55



Site 966中電波暗室 Polarization: Conducted po Temperature: 26℃
Limit: FCC Part 24 conducted(9K-12.75G) Power: AC 110V/60Hz Humidity: 55 %
EUT: Cell phone Distance:
M/N: M619
Mode: GPRS
Note: GH512(1850.2MHz)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3048.750	-38.62	5.47	-33.15	-13.0	-20.15	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File M619.PCS1900(01-11-2007)\Data #10

Page: 1

Engineer Signature: John



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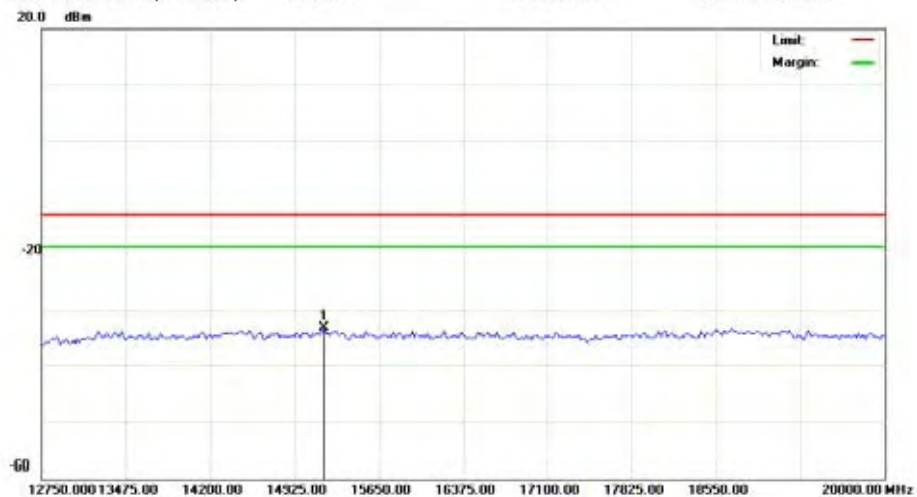
Radiated Emission Measurement

File: M619_PGS1900(01-11-2007)

Data #11

Date: 2007/1/11

Time: 下午 04:59:15



Site: 966中電波暗室

Polarization: **Conducted po**

Temperature: 26 °C

Limit: FCC Part 24 conducted(9K-12.75G)

Power: AC 110V60Hz

Humidity: 55 %

EUT: Cell phone

Distance:

M/N: M619

Mode: GPRS

Note: GH512(1850.2MHz)

No.	M.K.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	15178.75	-39.33	6.06	-33.27	-13.0	-20.27	peak	

*:Maximum data x:Over limit !:over margin

▲Reference Only

File: M619_PGS1900(01-11-2007)Data: #11

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Engineer Signature: John