

PCTEST Engineering Laboratory, Inc. 6660-B Dobbin Road • Columbia, MD 21045 • U.S.A. TEL (410) 290-6652 • FAX (410) 290-6654 http://www.pctestlab.com



CERTIFICATE OF COMPLIANCE FCC Part 24 Certification

### NEC AMERICA INC. 6535 N. State Hwy. 161 Irving, TX 75039-2402

Dates of Tests: Oct. 24 & 31, 2003 Test Report S/N: 24.231024550.A98 Test Site: PCTEST Lab, Columbia MD

### FCC ID

## A98-KMP6J1J1

APPLICANT

## NEC AMERICA INC.

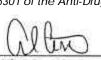
Classification: FCC Rule Part(s): EUT Type: Model: Tx Frequency Range: Rx Frequency Range: Max. RF Output Power: Max. SAR Measurement: Emission Designator(s): Test Device Serial No. Licensed Portable Transmitter Held to Ear (PCE) §24(E), §2 Single-Band PCS GSM Phone *KMP6J1J1-2* 1850.20MHz – 1909.80MHz (PCS GSM) 1930.20MHz – 1989.80MHz (PCS GSM) 1.189 W EIRP PCS GSM (30.751 dBm) 0.649W/kg PCS GSM Head SAR; 0.283W/kg PCS GSM Body SAR 300KGXW (GSM) Identical Prototype [S/N: #2]

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947.

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

Grant conditions: Power output listed is EIRP. SAR compliance for body- worn operating configuration is based on a separation distance of 1.5 cm between the back of the unit and the body of the user. End-users must be informed of the body-worn operating requirements for satisfying RF exposure compliance. Belt clips or holsters may not contain metallic components.

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



Alfred Cirwithian Vice President Engineering

### 24. 231024550 A98

PCTESTÔ PT. 24 REPORT	APGTERT			Reviewed By: Quality Manager
		Phone Type: Single-Band PCS GSM	FCC ID: A98-KMP6J1J1	Page 1 of 17





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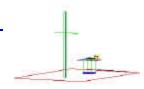
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# **MEASUREMENT REPORT**

### <u>1.1 Scope</u>



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 Name: Address:	NEC AMERICA INC. 6535 N. State HWY 161 Irving, TX 75039-2402	

- FCC ID: **A98-KMP6J1J1**
- Quantity: Quantity production is planned
- Emission Designators: 300KGXW (GSM)
- Tx Freq. Range: 1850.20 1909.80 MHz (PCS GSM)
- Rx Freq. Range: 1930.20 1989.80 MHz (PCS GSM)
- Max. Power Rating: 1.189 W EIRP PCS GSM (30.751 dBm)
- FCC Classification(s): Licensed Portable Tx Held to Ear (PCE)
- Equipment (EUT) Type: Single-Band PCS GSM
- Modulation(s):
   GSM
- Frequency Tolerance: ± 0.00025% (2.5 ppm)
- FCC Rule Part(s): § 24(E)
- Dates of Tests: Oct. 24 & 31, 2003
- Place of Tests: PCTEST Lab, Columbia, MD U.S.A.
- Test Report S/N: 24.231024550.A98

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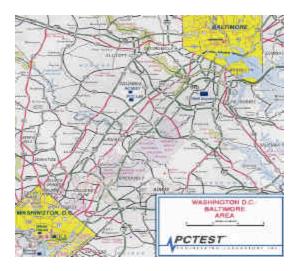
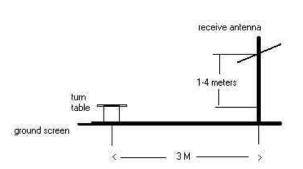


Figure 1. Map of the Greater Baltimore and Metropolitan Washington, D.C. area.



Open Area Test Site

Figure 2. Diagram of 3-meter outdoor test range

 
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These measurement tests were conducted at *PCTEST Engineering Laboratory, Inc.* facility in New Concept Business Park, Guilford Industrial Park, Columbia, Maryland. The site address is 6660-B Dobbin Road, Columbia, MD 21045. The test site is one of the highest points in the Columbia area with an elevation of 390 feet above mean sea level. The site coordinates are 39° 11'15" N latitude and 76° 49'38" W longitude. The facility is 1.5 miles North of the FCC laboratory, and the ambient signal and ambient signal strength are approximately equal to those of the FCC laboratory. There are no FM or TV transmitters within 15 miles of the site. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4 on October 19, 1992.

#### **Measurement Procedure**

The radiated and spurious measurements were made outdoors at a 3-meter test range (see Figure2). 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 and the level of the signal generator was 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 antenna are taken into consideration.



### 3.1 INSERTS

## Function of Active Devices (Confidential)

The Function of active devices are shown in Attachment K.

### **Block & Schematic Diagrams (Confidential)**

The block diagrams are shown in Attachment I, and the schematic diagrams are shown in Attachment J.

### **Operating Instructions**

The instruction manual is shown in Attachment M.

### Parts List & Tune-Up Procedure (Confidential)

The parts list & tune-up procedure is shown in Attachment L.

### **Description of Freq. Stabilization Circuit (Confidential)**

The description of frequency stabilization circuit is shown in Attachment K.

# Description for Suppression of Spurious Radiation, for Limiting Modulation, and Harmonic Suppression Circuits (Confidential)

The description of suppression stabilization circuits is shown in Attachment K...

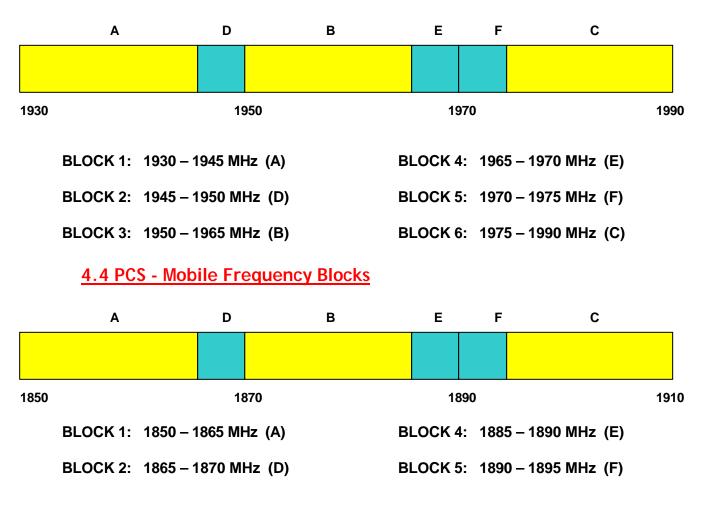
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## 4.1 DESCRIPTION OF TESTS (CONTINUED)

### 4.2 Occupied Bandwidth Emission Limits

- (a) On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log(P) dB.
- (b) Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
- (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.
- (d) 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.



## 4.3 PCS - Base Frequency Blocks

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### 4.1 DESCRIPTION OF TESTS (CONTINUED)

### 4.5 Radiation Spurious and Harmonic Emissions

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.

### 5.0 Frequency Stability/Temperature Variation.

The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +60°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 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  $\pm 0.00025$  ( $\pm 2.5$  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 of the transmitter and the individual oscillators is made within a three minute interval after applying power to the transmitter.
- 4. Frequency measurements are 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 measurements are at 10 intervals 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 re-applying power to the transmitter.
- 7. The artificial load is mounted external to the temperature chamber.

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

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# 5.1 Test Data

### 5.2 Equivalent Isotropic Radiated Power (E.I.R.P.)

Radiated measurements at 3 meters

Supply Voltage: <u>3.7</u> VDC

Modulation: PCS GSM

FREQ. (MHz)	REF. LEVEL (dBm)	<b>POL</b> (H/V)	Azimuth (o angle)	<b>EIRP</b> (dBm)	EIRP (W)	Battery
1851.25	-12.330	Н	60	30.751	1.189	Standard
1880.00	-12.700	Н	60	30.551	1.138	Standard
1908.75	-13.100	Н	60	30.321	1.079	Standard

Note: Standard batteries are the only options for this phone.

#### NOTES:

Equivalent Isotropic Radiated Power Measurements by Substitution Method according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

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. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. 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.

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# 6.2 PCS GSM Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY:	1850	.20	_MHz
CHANNEL:	512 (I	_ow)	_
MEASURED OUTPUT POWER:	30.751	dBm =	<u>1.189</u> W
MODULATION SIGNAL:	GSM (Internal)		
DISTANCE:	3	meters	
LIMIT:	43 + 10 log <sub>10</sub> (W) =	43.75	dBc

FREQ.	LEVEL @ ANTENNA	SUBSTITUTE ANTENNA	CORRECT GENERATOR	POL	
(MHz)	TERMINALS	GAIN	LEVEL	(H/V)	(dBc)
	(dBm)	(dBi)	(dBm)		
3700.40	-43.63	8.70	-34.93	V	65.7
5550.60	-48.63	9.70	-38.93	V	69.7
7400.80	-58.93	9.90	-49.03	V	79.8

#### NOTES:

Radiated Spurious Emission Measurements by Substitution Method

according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

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. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. 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.

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# 6.1 Test Data (Continued)

# 6.3 PCS GSM Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY:	1880	0.00	_MHz
CHANNEL:	661 (I	Mid)	_
MEASURED OUTPUT POWER:	30.751	dBm =	<u>1.189</u> W
MODULATION SIGNAL:	GSM (Internal)		
DISTANCE:	3	meters	
LIMIT:	43 + 10 log <sub>10</sub> (W) =	43.75	dBc

FREQ.	LEVEL @ ANTENNA	SUBSTITUTE ANTENNA	CORRECT GENERATOR	POL	
(MHz)	TERMINALS	GAIN	LEVEL	(H/V)	(dBc)
	(dBm)	(dBi)	(dBm)		
3760.00	-43.03	8.70	-34.33	V	65.1
5640.00	-48.03	9.70	-38.33	V	69.1
7520.00	-58.33	9.90	-48.43	V	79.2

### NOTES:

Radiated Spurious Emission Measurements by Substitution Method

according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

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. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. 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.

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# 6.1 Test Data (Continued)

# 6.4 PCS GSM Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY:	1909	.80	MHz
CHANNEL:	810 (H	High)	-
MEASURED OUTPUT POWER:	30.751	_dBm =	<u>1.189</u> W
MODULATION SIGNAL:	GSM (Internal)		
DISTANCE:	3	meters	
LIMIT:	43 + 10 log <sub>10</sub> (W) =	43.75	dBc

FREQ.	LEVEL @ ANTENNA	SUBSTITUTE ANTENNA	CORRECT GENERATOR	POL	
(MHz)	TERMINALS	GAIN	LEVEL	(H/V)	(dBc)
	(dBm)	(dBi)	(dBm)		
3819.60	-43.93	8.70	-35.23	V	66.0
5729.40	-49.23	9.70	-39.53	V	70.3
7639.20	-59.93	9.90	-50.03	V	80.8

### NOTES:

Radiated Spurious Emission Measurements by Substitution Method

according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

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. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. 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.

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## 7.2 FREQUENCY STABILITY (PCS GSM)

OPERATING FREQUENCY: 1,880,000,002 Hz

CHANNEL: \_\_\_\_\_\_661

REFERENCE VOLTAGE: <u>3.7</u> VAC

DEVIATION LIMIT: <u>± 0.00025</u>% or 2.5 ppm

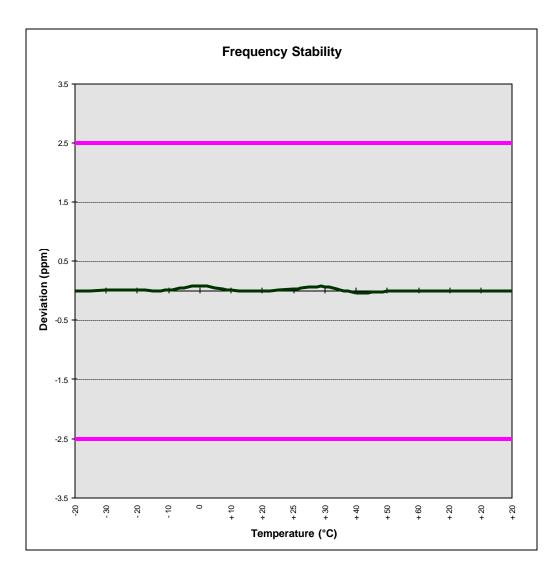
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQ. (Hz)	Deviation (%)
100 %	3.70	+ 20 (Ref)	1,880,000,002	0.000000
100 %		- 30	1,879,999,983	0.000001
100 %		- 20	1,879,999,983	0.000001
100 %		- 10	1,879,999,983	0.000001
100 %		0	1,879,999,833	0.000009
100 %		+ 10	1,879,999,983	0.000001
100 %		+ 20	1,880,000,002	0.000000
100 %		+ 25	1,879,999,946	0.000003
100 %		+ 30	1,879,999,870	0.000007
100 %		+ 40	1,880,000,058	-0.000003
100 %		+ 50	1,880,000,021	-0.000001
100 %		+ 60	1,880,000,021	-0.000001
85 %	3.17	+ 20	1,880,000,002	0.000000
115 %	4.26	+ 20	1,880,000,002	0.000000
BATT. ENDPOINT	2.93	+ 20	1,880,000,002	0.000000

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# 7.1 Test Data (Continued)

## 7.3 FREQUENCY STABILITY (PCS GSM)



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# 8.1 PLOT(S) OF EMISSIONS

(SEE ATTACHMENT D)

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## 9.1 TEST EQUIPMENT

Туре	Model C	al. Due Date	S/N
Microwave Spectrum Analyzer	HP 8566B (100Hz-22GHz)	08/15/04	3638A08713
Microwave Spectrum Analyzer	HP 8566B (100Hz-22GHz)	04/17/04	2542A11898
Spectrum Analyzer/Tracking Gen.	HP 8591A (100Hz-1.8GHz)	08/10/04	3144A02458
Signal Generator*	HP 8640B (500Hz-1GHz)	06/03/04	2232A19558
Signal Generator*	HP 8640B (500Hz-1GHz)	06/03/04	1851A09816
Signal Generator*	Rohde & Schwarz (0.1-1000MHz)	09/11/04	894215/012
Ailtech/Eaton Receiver	NM 37/57A-SL (30-1000MHz)	04/12/04	0792-03271
Ailtech/Eaton Receiver	NM 37/57A (30-1000MHz)	03/11/04	0805-03334
Ailtech/Eaton Receiver	NM17/27A (0.1-32MHz)	09/17/04	0608-03241
Quasi-Peak Adapter	HP 85650A	08/15/04	2043A00301
Ailtech/Eaton Adapter	CCA-7 CISPR/ANSI OP Adapter	03/11/04	0194-04082
Gigatronics Universal Power Meter	8657A		1835256
Gigatronics Power Sensor	80701A (0.05-18GHz)		1833460
Signal Generator	HP 8648D (9kHz-4GHz)		3613A00315
Amplifier Research	5S1G4 (5W, 800MHz-4.2GHz)		22322
Network Analyzer	HP 8753E (30kHz-3GHz)		JP38020182
Audio Analyzer	HP 8903B		3011A09025
Modulation Analyzer	HP 8901A		2432A03467
Power Meter	HP 437B		3125U24437
Power Sensor	HP 8482H (3QuW-3W)		2237A02084
Harmonic/Flicker Test System	HP 6841A (IEC 555-2/3)		3531A00115
Broadband Amplifier (2)	HP 8447D		1145A00470, 1937A033
Broadband Amplifier	HP 8447F		2443A03784
Hom Antenna	EMCO Model 3115 (1-18GHz)		9704-5182
Horn Antenna	EMCO Model 3115 (1-18GHz)		9205-3874
Hom Antenna	EMCO Model 3116 (18-40GHz)		9203-2178
Biconical Antenna (4)	Eaton 94455/Eaton 94455-1/Sing	er 94455-1/Compliance Des	
Log-Spiral Antenna (3)	Ailtech/Eaton 93490-1		0608, 1103, 1104
Roberts Dipoles	Compliance Design (1 set)		0000, 1100, 110 1
Ailtech Dipoles	DM-105A (1 set)		33448-111
EMCOLISN (6)	3816/2		1079
Nicrowave Preamplifier 40dB Gain	HP 83017A (0.5-26.5GHz)		3123A00181
Microwave Cables	MicroCoax (1.0-26.5GHz)		
Ailtech/Eaton Receiver	NM37/57A-SL		0792-03271
Spectrum Analyzer	HP 8594A		3051A00187
Spectrum Analyzer (2)	HP 8591A		3034A01395, 3108A02
Microwave Survey Meter	Holaday Model 1501 (2.450GHz)		80931
Digital Thermometer	Extech Instruments 421305		426966
Attenuator	HP 8495A (0-70dB) DC-4GHz		
Bi-Directional Coax Coupler	Narda 3020A (50-1000MHz)		
Shielded Screen Room	RF Lindgren Model 26-2/2-0		6710 (PCT270)
Shielded Semi-Anechoic Chamber	Ray Proof Model S81		R2437 (PCT278)
Enviromental Chamber	Associated Systems Model 1025 (	Temperature/Humiditv)	PCT285
	ation traceable to the National Institut		

PCTESTÔ PT. 24 REPORT	FCC MEASUREMENT REPORT NEC			Reviewed By: Quality Manager
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## **10.1 SAMPLE CALCULATIONS**

### A. Emission Designator

#### Emission Designator = 300KGXW

GSM BW = 300 KHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

Emission Designator = 300KGXW

### **B. Spurious Radiated Emission - PCS Band**

#### Example: Channel 25 PCS Mode 2<sup>nd</sup> Harmonic (3702.50 MHz)

The receive analyzer reading at 3 meters with the EUT on the turntable was -81.0 dBm. The gain of the substituted antenna is 8.1 dBi. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of -81.0 dBm on the receive analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is 2.0 dB at 3702.50 MHz. So 6.1 dB is added to the signal generator reading of -30.9 dBm yielding -24.80 dBm. The fundamental EIRP was 25.501 dBm so this harmonic was 25.501 dBm - (-24.80) = 50.3 dBc

PCTESTÔ PT. 24 REPORT	POTENT	FCC MEASUREMENT REPORT NEC		Reviewed By: Quality Manager
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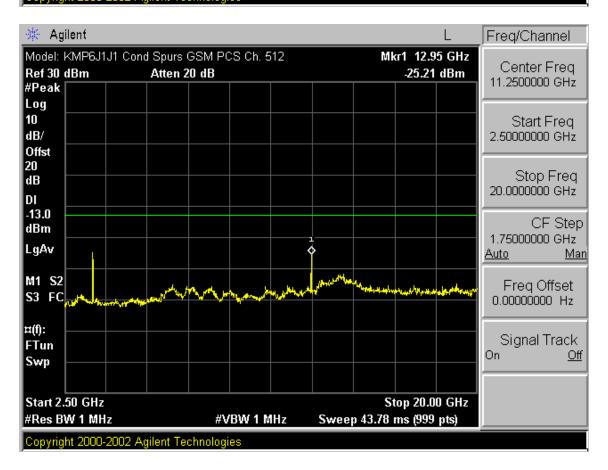


## **11.1 CONCLUSION**

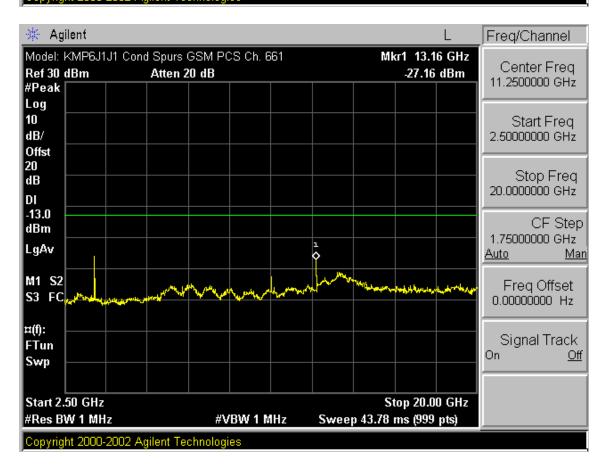
The data collected shows that the **NEC Single-Band PCS GSM Phone FCC ID: A98-KMP6J1J1** complies with all the requirements of Parts 2 and 24 of the FCC rules.

PCTESTÔ PT. 24 REPORT	FCC MEASUREMENT REPORT NEC			Reviewed By: Quality Manager
Test Report S/N: 24.231024550.A98	Test Dates: Oct. 24 & 31, 2003	Phone Type: Single-Band PCS GSM	FCC ID: A98-KMP6J1J1	Page 17 of 17
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🔆 Agilent		L	Freq/Channel
Model: KMP6J1J1 Cond Spur Ref 30 dBm Atter #Peak	s GSM PCS Ch. 512 I <b>20 dB</b>	Mkr1 1.946 GHz -38.82 dBm	Center Freq 1.25500000 GHz
Log 10 dB/ Offst			Start Freq 10.000000 MHz
20 dB DI			Stop Freq 2.5000000 GHz
-13.0 dBm LgAv			CF Step 249.000000 MHz Auto Man
M1 S2 S3 FC	ماندو الدين من المراجع	مرود مرد مرد مرد مرد مرد مرد مرد مرد مرد مر	Freq Offset 0.00000000 Hz
¤(f): FTun Swp			Signal Track <sup>On <u>Off</u></sup>
Start 10 MHz #Res BW 1 MHz	#VBW 1 MHz	Stop 2.500 GHz Sweep 4.192 ms (999 pts)	



🔆 Agilent		L	Freq/Channel
Model: KMP6J1J1 Cond S Ref 30 dBm At #Peak	purs GSM PCS Ch. 661 ten 20 dB	Mkr1 1.946 GHz -39.65 dBm	Center Freq 1.25500000 GHz
Log 10 dB/ Offst			Start Freq 10.0000000 MHz
20 dB DI			Stop Freq 2.5000000 GHz
-13.0 dBm LgAv			CF Step 249.000000 MHz Auto Mar
M1 S2 S3 FC	Anstration with addressing of the province for theme and about	2 .	Freq Offset 0.00000000 Hz
¤(f): FTun Swp			Signal Track <sup>On <u>Off</u></sup>
Start 10 MHz #Res BW 1 MHz	#VBW 1 MHz S	Stop 2.500 GHz Sweep 4.192 ms (999 pts)	



🔆 Agilent		L	Trace
Model: KMP6J1J1 Cond Spurs Ref 30 dBm Atten #Peak	3 GSM PCS Ch. 810 20 dB	Mkr1 1.946 GHz -38.85 dBm	Trace 1 <u>2 3</u>
Log 10 dB/ Offst			Clear Write
20 dB DI			Max Hold
-13.0 dBm LgAv			Min Hold
M1 S2 S3 FC			View
¤(f): FTun Swp			Blank
Center 1.255 GHz #Res BW 1 MHz Copyright 2000-2002 Agilent T	#VBW 1 MHz	Span 2.49 GHz Sweep 4.192 ms (999 pts)	

