

1.1 Test Data

1.2 Effective Radiated Power Output

A. POWER: Low (Analog Mode)

Freq. Tuned (MHz)	REF. LEVEL (dBm)	POL (H/V)	ERP (W)	ERP (dBm)
824.04	-36.550	H	0.003	4.723
836.49	-36.650	H	0.003	4.779
848.97	-36.850	H	0.003	4.735

B. POWER: High (Analog Mode)

Freq. Tuned (MHz)	REF. LEVEL (dBm)	POL (H/V)	ERP (W)	ERP (dBm)	BATTERY
824.04	-16.550	H	0.297	24.723	Standard
836.49	-16.650	H	0.301	24.779	Standard
848.97	-16.850	H	0.298	24.735	Standard

Note: Standard batteries are options for this phone

NOTES:

Effective Radiated Power Output 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. The conducted power at the terminals of the dipole is measured. The ERP is recorded.

PCTEST PT. 22/24 SUPPLEMENT	FCC MEASUREMENT SUPPLEMENT			Reviewed By: Quality Manager
Test Report S/N: 22/24.240601330.A3L	Test Dates: June 11, 2004	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSCHA725	Page 1 of 6

2.1 Test Data

2.2 A MPS Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 824.04 MHz
 CHANNEL: 0991 (Low)
 MEASURED OUTPUT POWER: 24.779 dBm = 0.301 W
 MODULATION SIGNAL: FM (Internal)
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 37.78 dBc

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1648.08	-35.58	6.10	-29.48	H	54.3
2472.12	-34.48	6.70	-27.78	H	52.6
3296.16	-30.28	6.80	-23.48	H	48.3
4120.20	-38.68	6.50	-32.18	H	57.0
4944.24	-55.48	7.00	-48.48	H	73.3

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.

PCTEST PT. 22/24 SUPPLEMENT	 FCC MEASUREMENT SUPPLEMENT 			Reviewed By: Quality Manager
Test Report S/N: 22/24.240601330.A3L	Test Dates: June 11, 2004	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSCHA725	Page 2 of 6

2.1 Test Data (Continued)

2.3 A MPS Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 836.49 MHz
 CHANNEL: 0383 (Mid)
 MEASURED OUTPUT POWER: 24.779 dBm = 0.301 W
 MODULATION SIGNAL: FM (Internal)
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 37.78 dBc

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1672.98	-29.18	6.10	-23.08	H	47.9
2509.47	-39.18	6.70	-32.48	H	57.3
3345.96	-30.78	6.80	-23.98	H	48.8
4182.45	-43.38	6.50	-36.88	H	61.7
5018.94	-59.18	7.00	-52.18	H	77.0

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.

PCTEST PT. 22/24 SUPPLEMENT	 FCC MEASUREMENT SUPPLEMENT 			Reviewed By: Quality Manager
Test Report S/N: 22/24.240601330.A3L	Test Dates: June 11, 2004	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSCHA725	Page 3 of 6

2.1 Test Data (Continued)

2.4 A MPS Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 848.97 MHz
 CHANNEL: 0799 (High)
 MEASURED OUTPUT POWER: 24.779 dBm = 0.301 W
 MODULATION SIGNAL: FM (Internal)
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 37.78 dBc

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1697.94	-28.38	6.10	-22.28	H	47.1
2546.91	-37.38	6.70	-30.68	H	55.5
3395.88	-32.18	6.80	-25.38	H	50.2
4244.85	-49.18	6.50	-42.68	H	67.5
5093.82	-55.68	7.00	-48.68	H	73.5

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.

PCTEST PT. 22/24 SUPPLEMENT	 FCC MEASUREMENT SUPPLEMENT 			Reviewed By: Quality Manager
Test Report S/N: 22/24.240601330.A3L	Test Dates: June 11, 2004	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSCHA725	Page 4 of 6

3.1 Test Data

3.2 FREQUENCY STABILITY (AMPS)

OPERATING FREQUENCY: 836,490,002 Hz

CHANNEL: 383

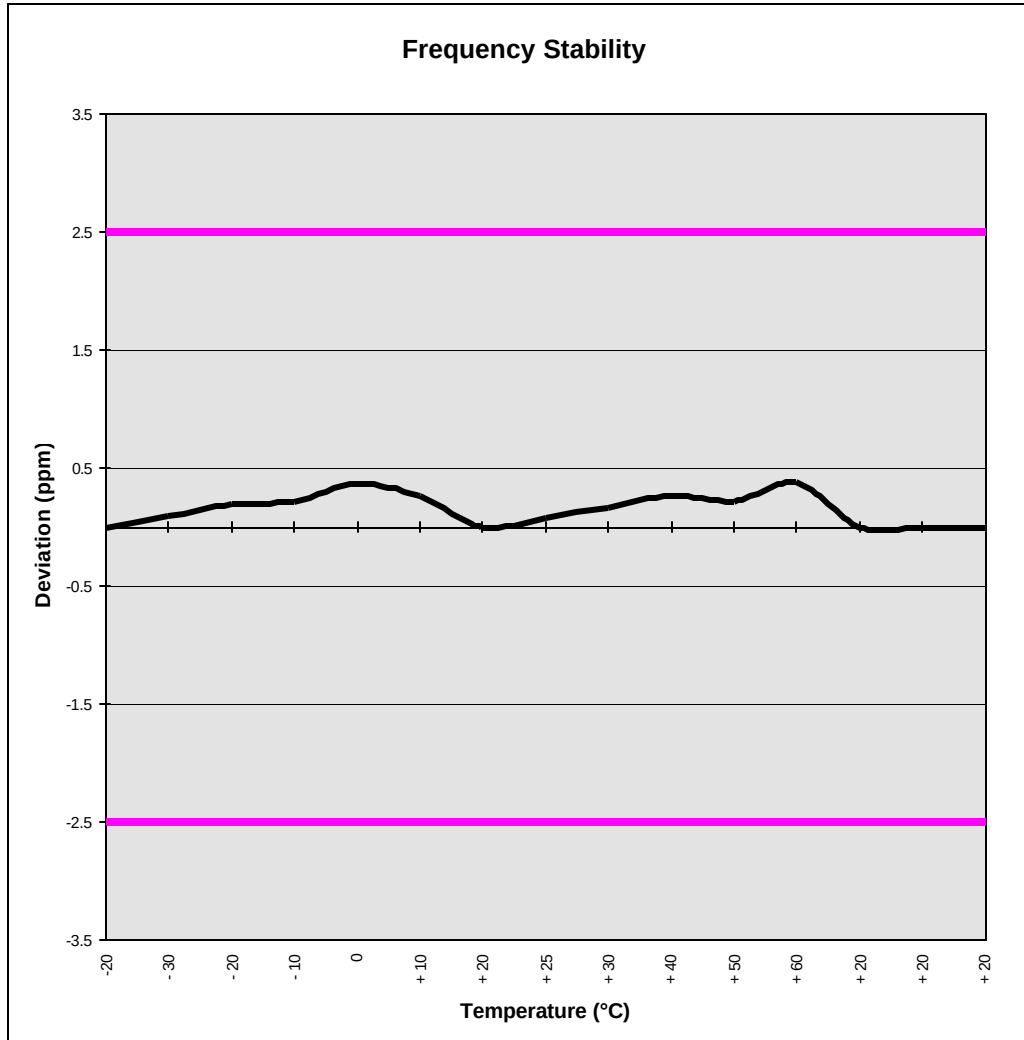
REFERENCE VOLTAGE: 3.7 VDC

DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

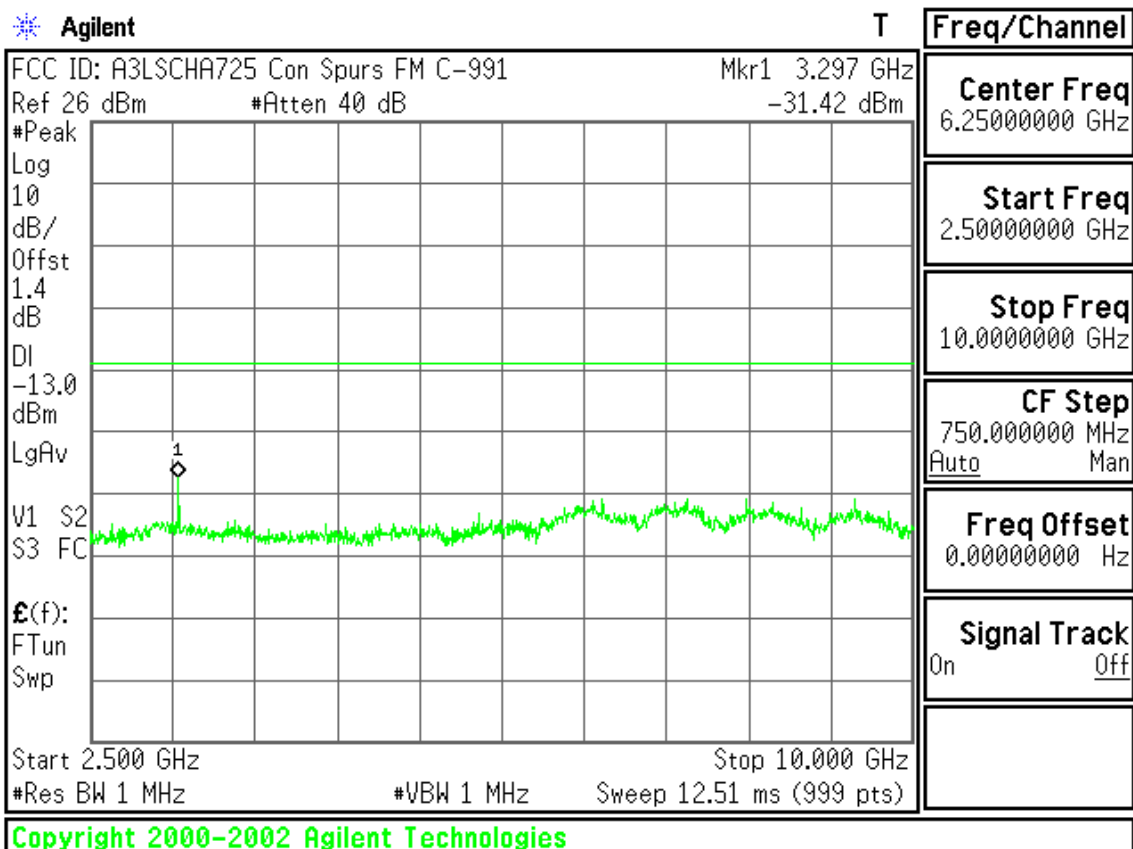
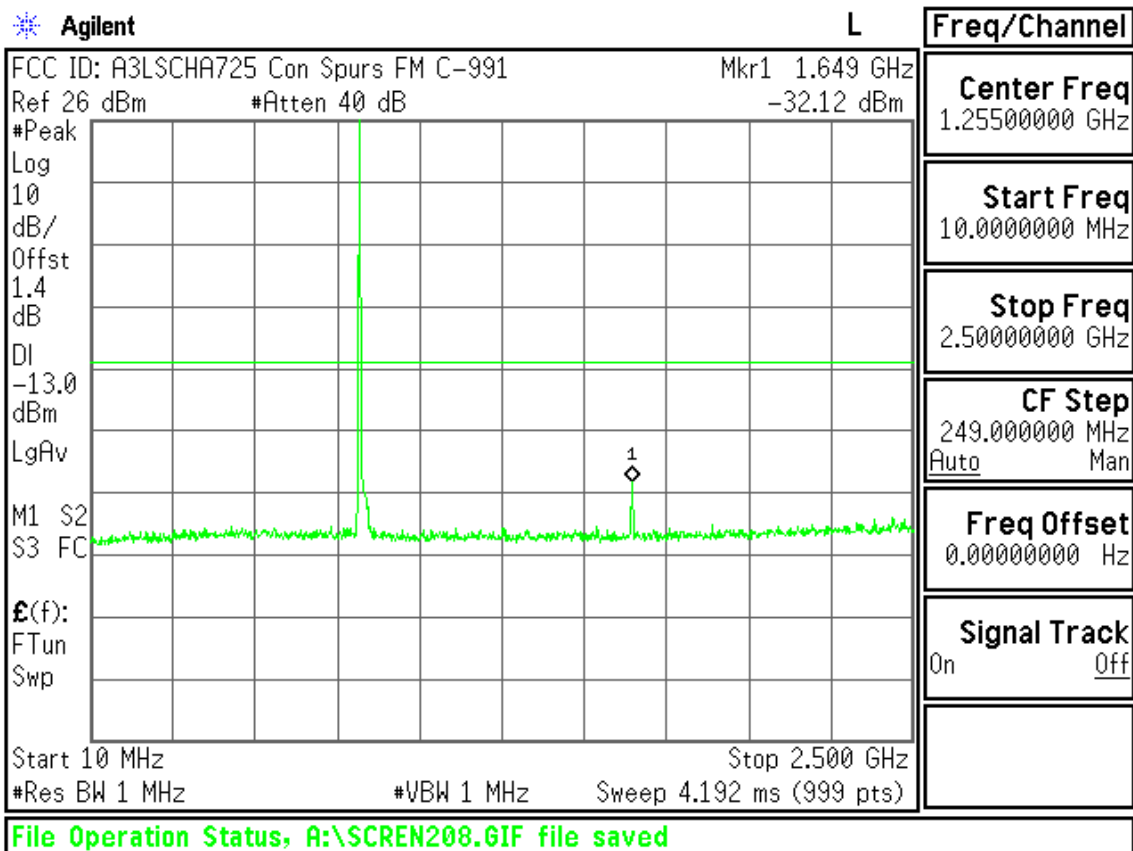
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQ. (Hz)	Deviation (%)
100 %	3.70	+ 20 (Ref)	836,490,002	0.000000
100 %		- 30	836,489,927	0.000009
100 %		- 20	836,489,843	0.000019
100 %		- 10	836,489,818	0.000022
100 %		0	836,489,692	0.000037
100 %		+ 10	836,489,785	0.000026
100 %		+ 20	836,490,002	0.000000
100 %		+ 25	836,489,935	0.000008
100 %		+ 30	836,489,860	0.000017
100 %		+ 40	836,489,776	0.000027
100 %		+ 50	836,489,818	0.000022
100 %		+ 60	836,489,684	0.000038
85 %	3.15	+ 20	836,490,002	0.000000
115 %	4.26	+ 20	836,490,002	0.000000
BATT. ENDPOINT	2.94	+ 20	836,490,002	0.000000

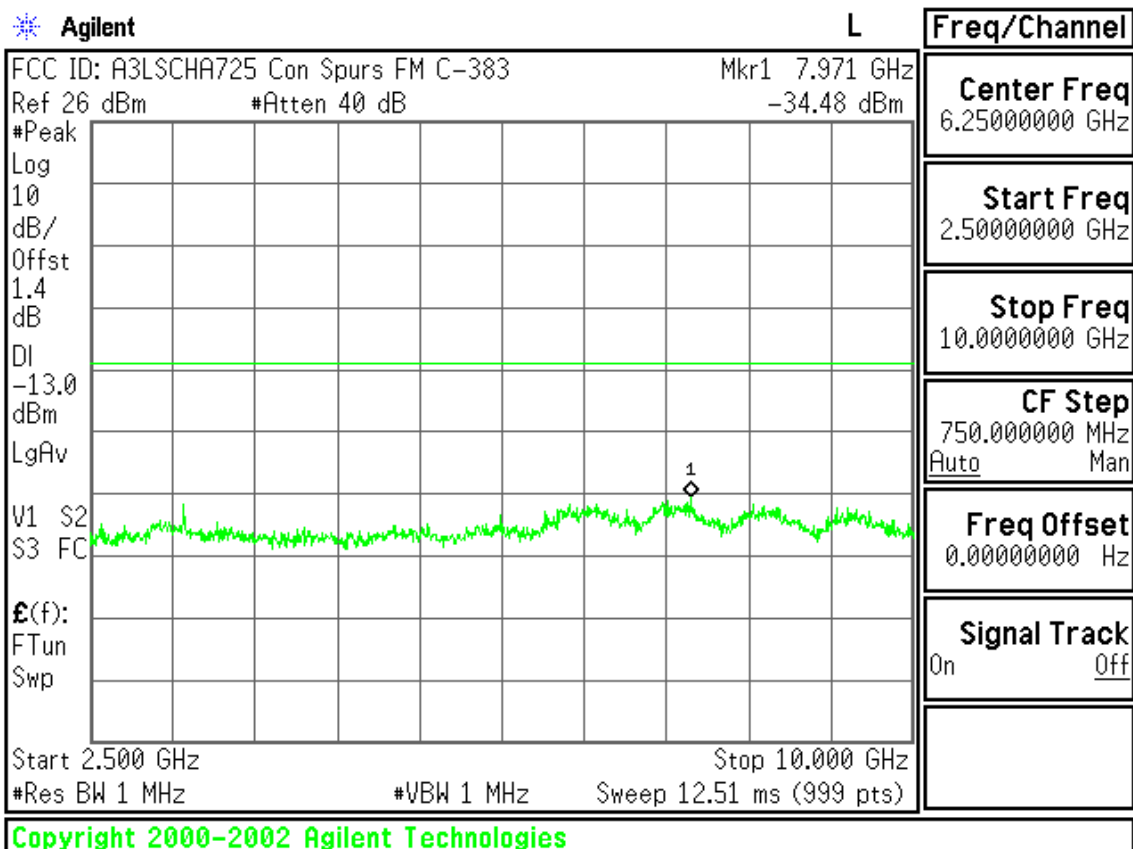
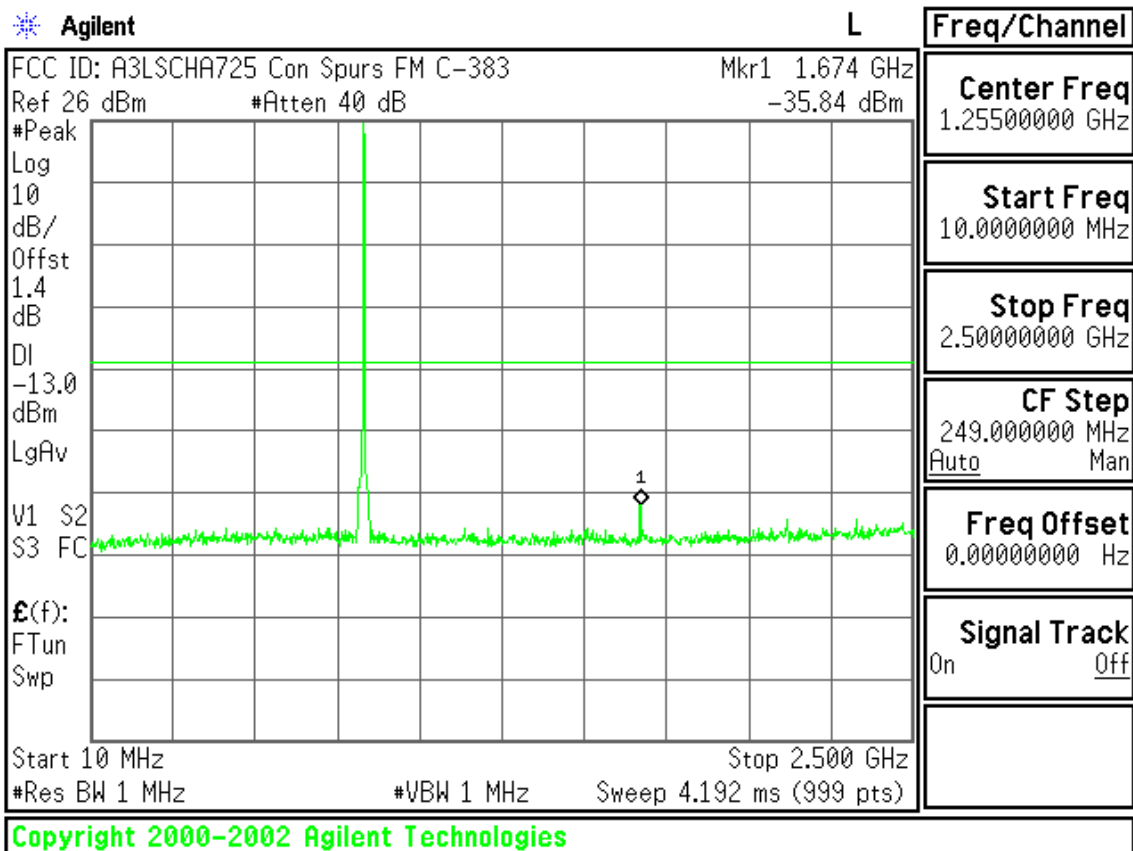
3.1 Test Data (Continued)

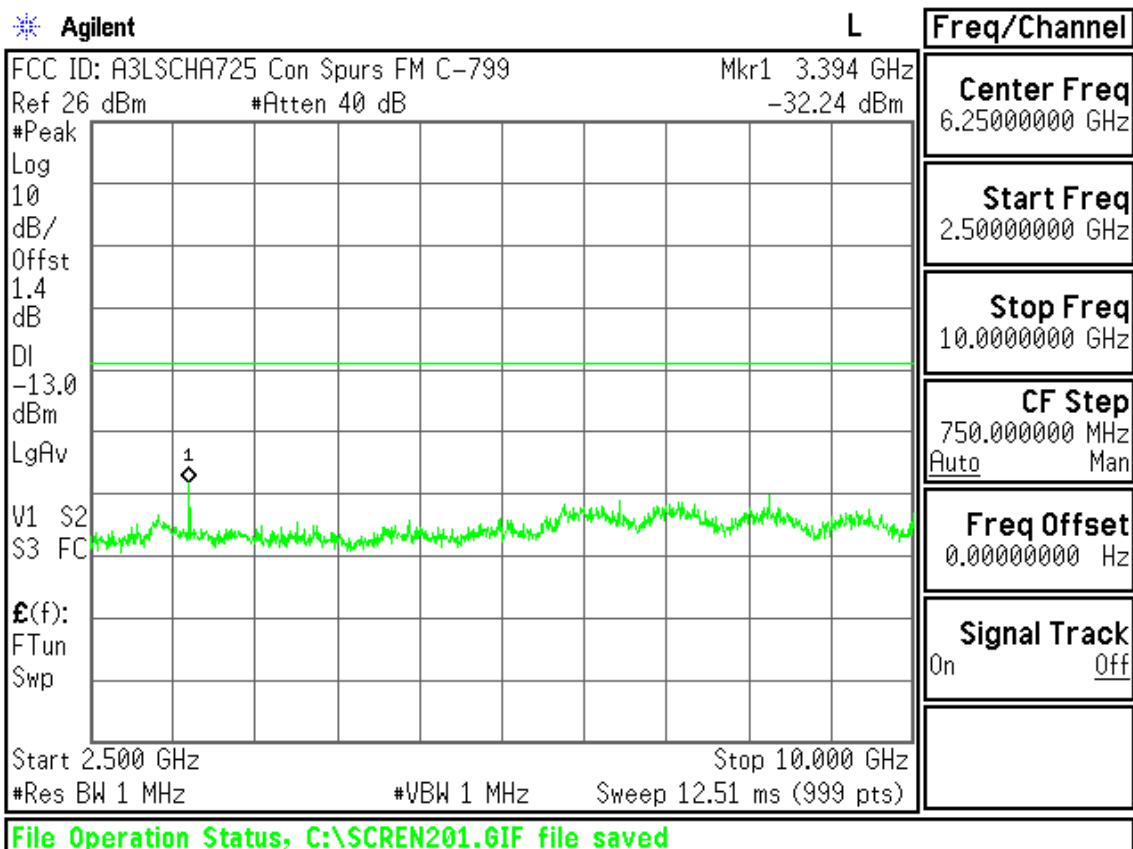
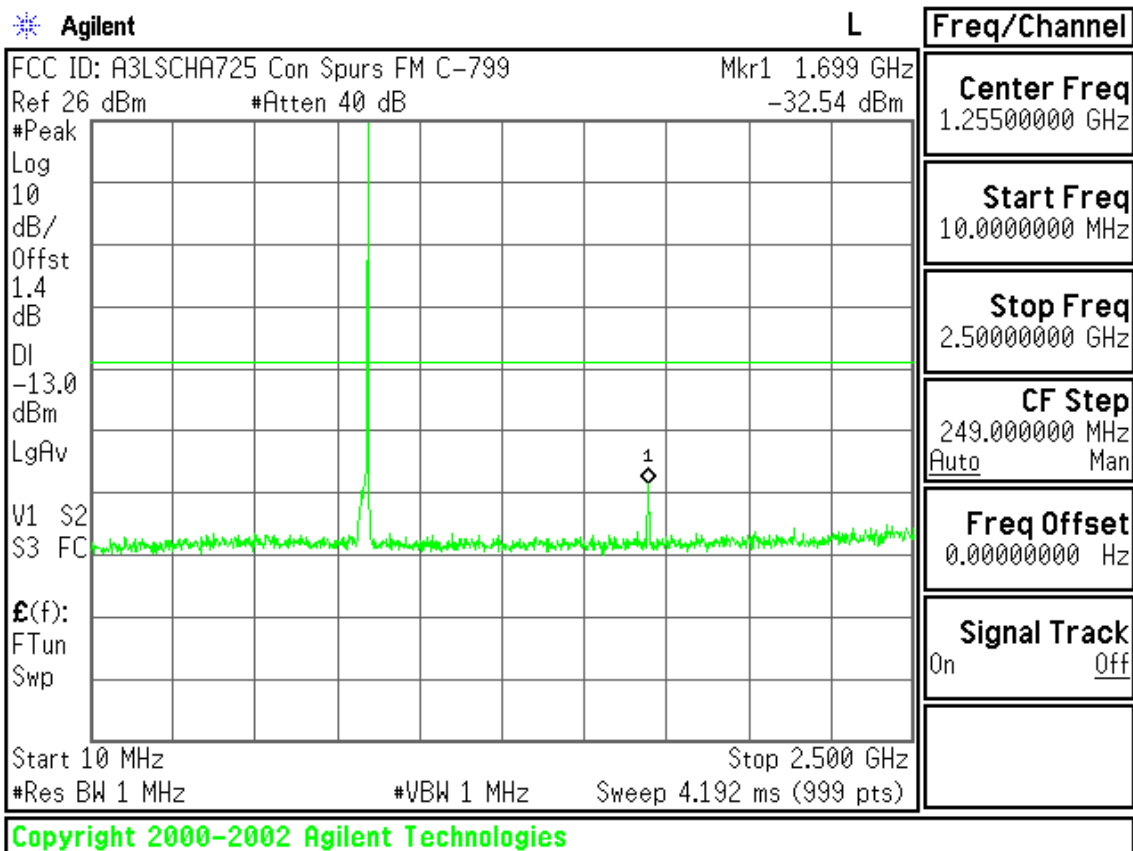
3.3 FREQUENCY STABILITY (AMPS)

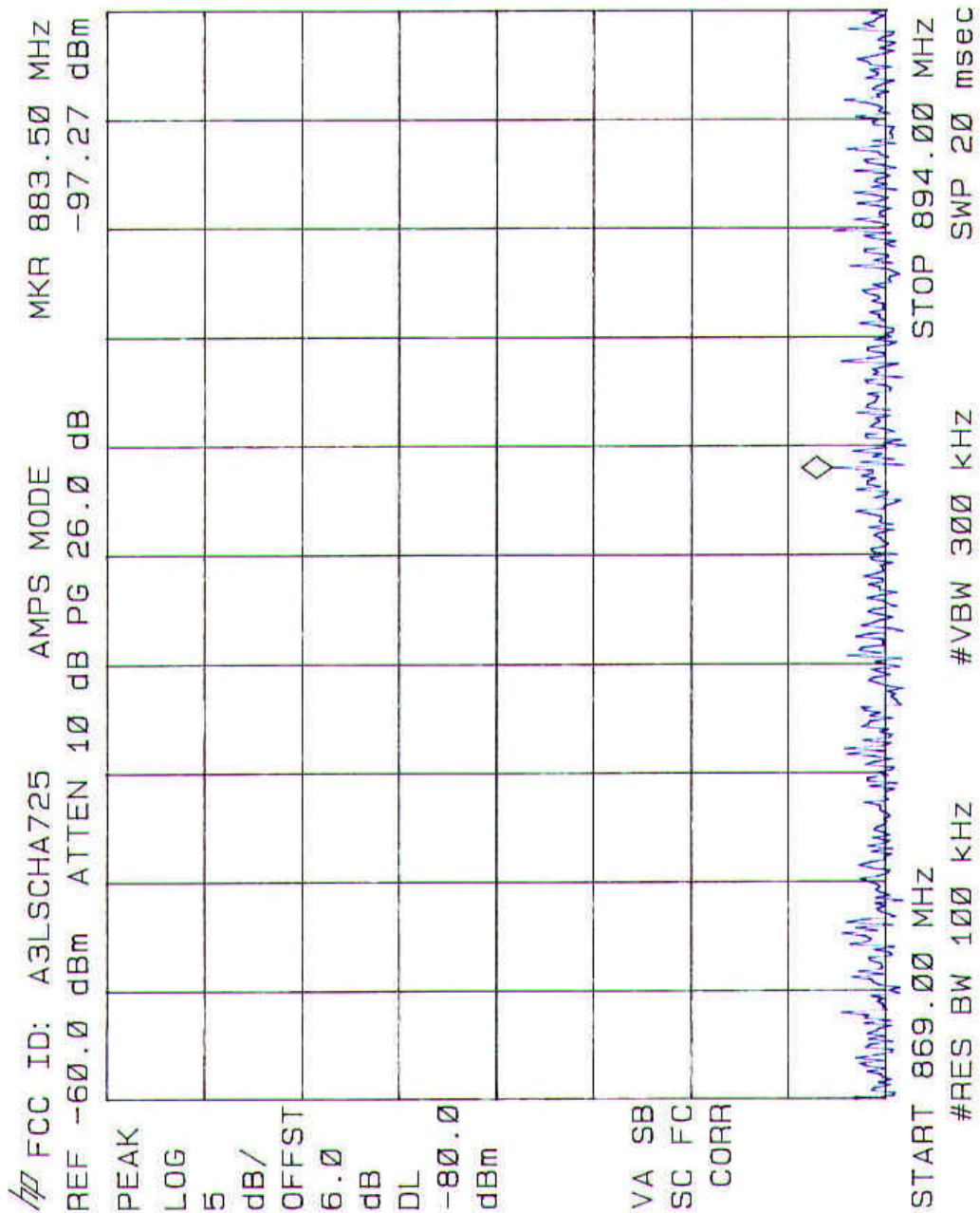


PCTEST PT. 22/24 SUPPLEMENT	FCC MEASUREMENT SUPPLEMENT			Reviewed By: Quality Manager
Test Report S/N: 22/24.240601330.A3L	Test Dates: June 11, 2004	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSCHA725	Page 6 of 6









PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHA725

SAMSUNG

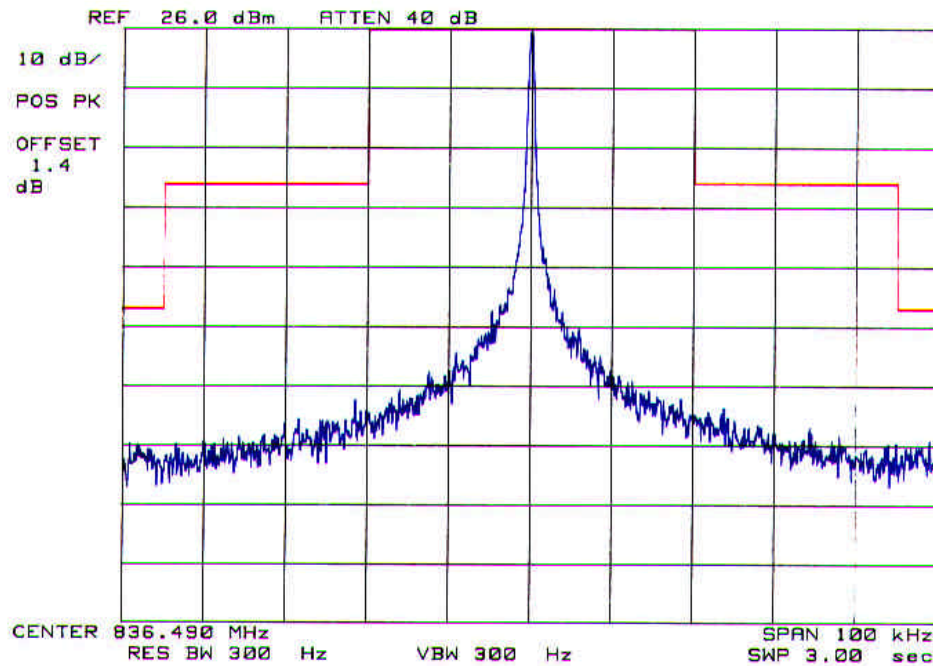
Tri-Mode Phone

FM Channel 383

Operating Frequency: 836.490 MHz

Output Power : 26.0 dBm

Test Mode:Unmodulated Signal



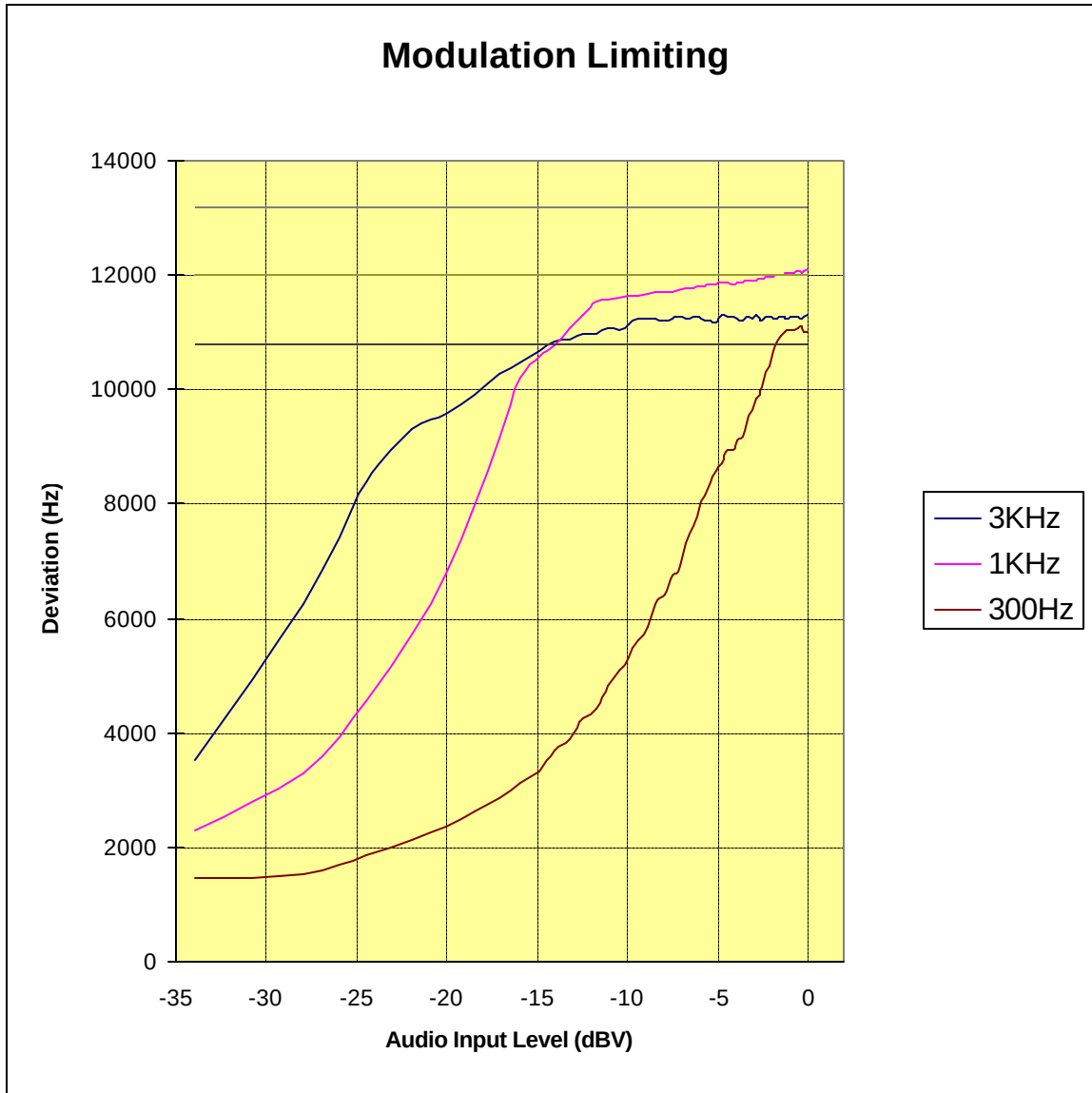
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22/24.240601330.A3L
Test Date: 06.11.2004

EUT: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: SCH-A725
FCC ID: A3LSCHA725

REFERENCE: 1 kHz = 0 dB



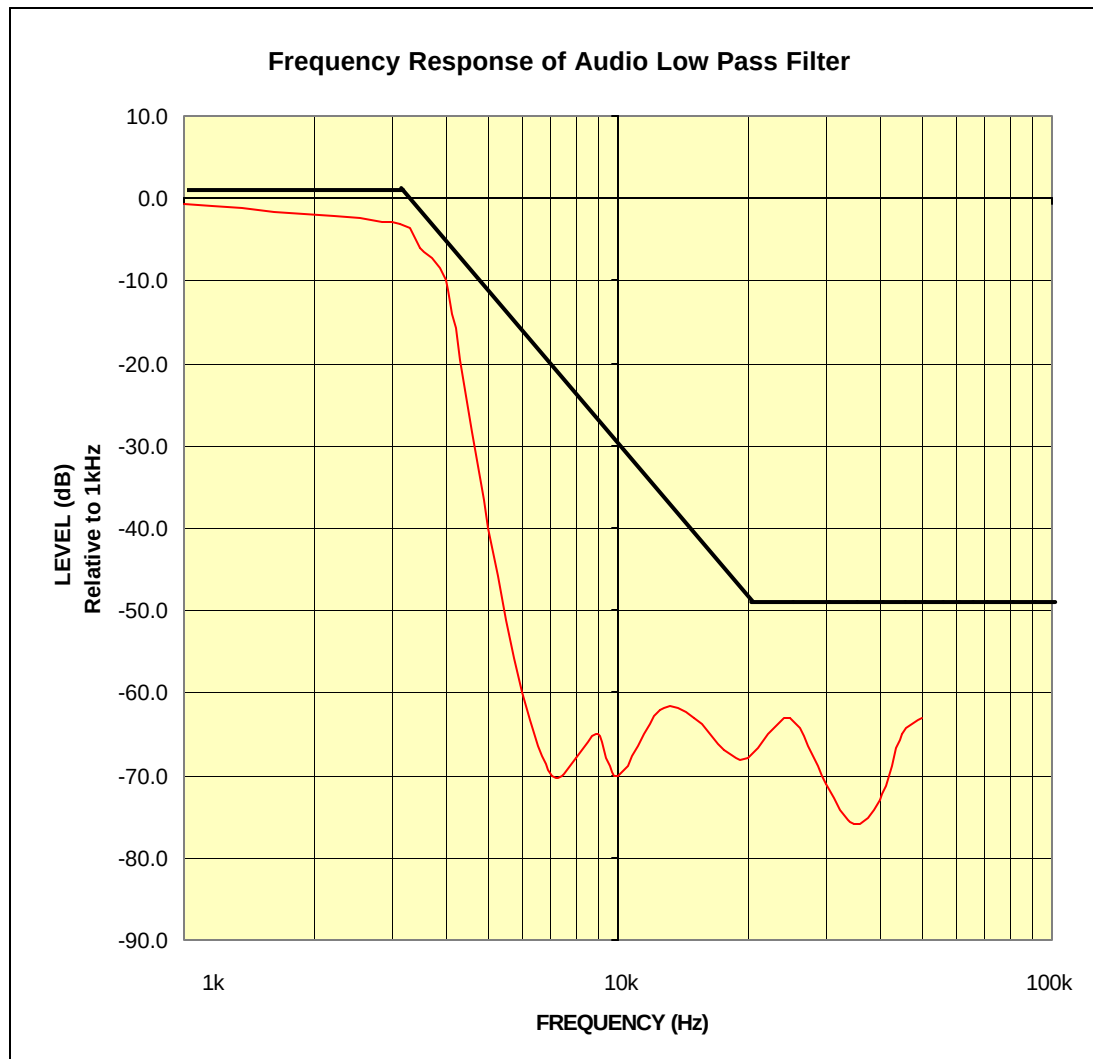
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22/24.240601330.A3L
Test Date: 06.11.2004

EUT: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: SCH-A725
FCC ID: A3LSCHA725

REFERENCE: 1 kHz = 0 dB



SAMSUNG Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
FCC ID: A3LSCHA725

PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 22/24.240601330.A3L
Test Date: 06.11.2004

EUT: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: SCH-A725
FCC ID: A3LSCHA725

REFERENCE: 1 kHz = 0 dB

