

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	-34.800	V	0.004	6.473
835.89	-34.700	V	0.005	6.721
848.97	-35.250	V	0.004	6.335

B. POWER: High (Analog Mode)

Freq. Tuned (MHz)	REF. LEVEL (dBm)	POL (H/V)	ERP (W)	ERP (dBm)	BATTERY
824.04	-14.800	V	0.44394	26.473	Standard
835.89	-14.700	V	0.46800	26.700	Standard
848.97	-15.250	V	0.43002	26.335	Standard

Note: Standard batteries are the only 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. 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: 0501060006	Test Dates: January 7, 2005	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSPHA800	Page 1 of 6

2.1 Test Data

2.2 AMPS Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 824.04 MHz
 CHANNEL: 0991 (Low)
 MEASURED OUTPUT POWER: 26.700 dBm = 0.468
 MODULATION SIGNAL: FM (Internal)
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 39.70 dBc

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1648.08	-32.48	6.10	-26.38	V	53.1
2472.12	-49.68	6.70	-42.98	V	69.7
3296.16	-29.18	6.80	-22.38	V	49.1
4120.20	-56.58	6.50	-50.08	V	76.8
4944.24	-86.28	7.00	-79.28	V	106.0

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. 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: 0501060006	Test Dates: January 7, 2005	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSPA800	Page 2 of 6

2.1 Test Data (Continued)

2.3 AMPS Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 835.89 MHz
 CHANNEL: 0363 (Mid)
 MEASURED OUTPUT POWER: 26.700 dBm = 0.468
 MODULATION SIGNAL: FM (Internal)
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 39.70 dBc

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1671.78	-34.48	6.10	-28.38	V	55.1
2507.67	-57.98	6.70	-51.28	V	78.0
3343.56	-37.88	6.80	-31.08	V	57.8
4179.45	-44.88	6.50	-38.38	V	65.1
5015.34	-86.28	7.00	-79.28	V	106.0

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. 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: 0501060006	Test Dates: January 7, 2005	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSPHA800	Page 3 of 6

2.1 Test Data (Continued)

2.4 AMPS Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 848.97 MHz
 CHANNEL: 0799 (High)
 MEASURED OUTPUT POWER: 26.700 dBm = 0.468
 MODULATION SIGNAL: FM (Internal)
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10} (W) =$ 39.70 dBc

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1697.94	-36.28	6.10	-30.18	V	56.9
2546.91	-56.38	6.70	-49.68	V	76.4
3395.88	-38.18	6.80	-31.38	V	58.1
4244.85	-40.88	6.50	-34.38	V	61.1
5093.82	-59.98	7.00	-52.98	V	79.7

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. 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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Test Report S/N: 0501060006	Test Dates: January 7, 2005	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSPHA800	Page 4 of 6

3.1 Test Data

3.2 FREQUENCY STABILITY (AMPS)

 OPERATING FREQUENCY: 835,890,003 Hz

 CHANNEL: 363

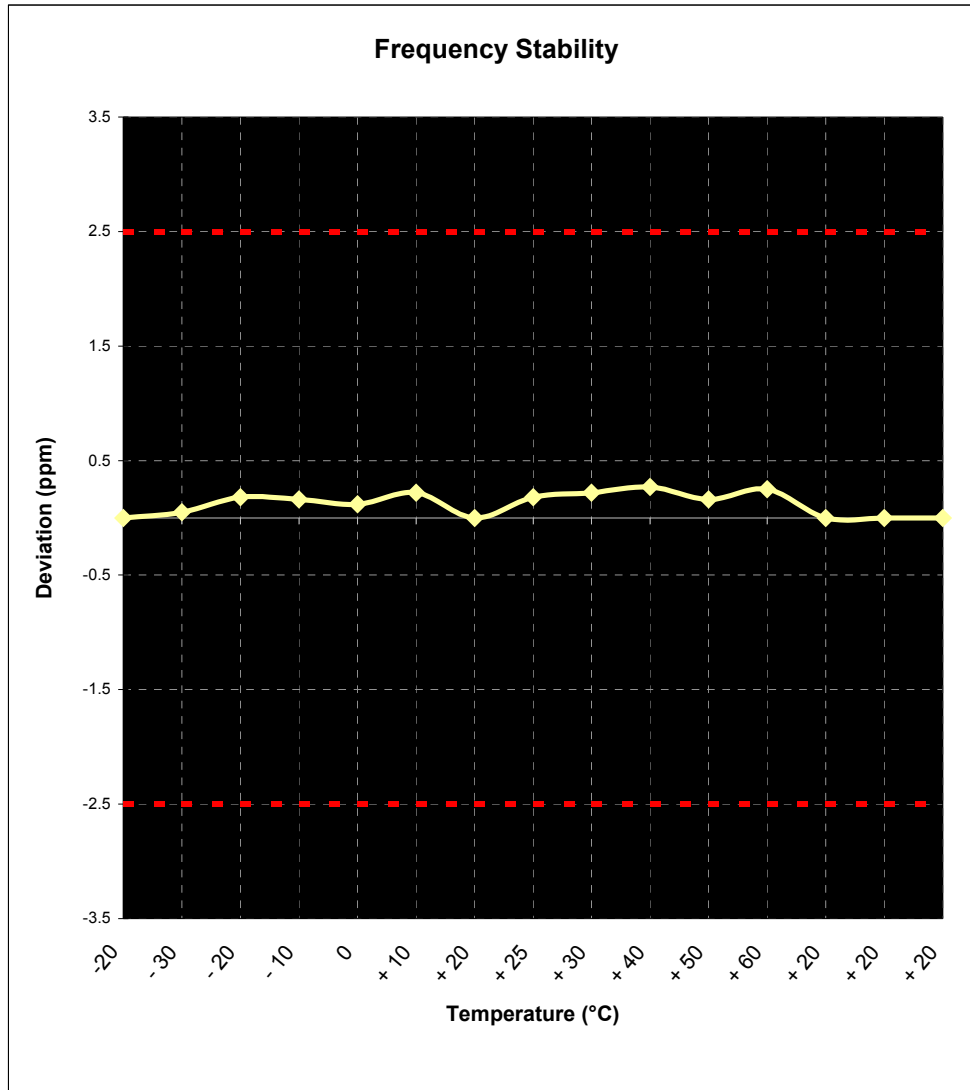
 REFERENCE VOLTAGE: 3.7 VDC

 DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

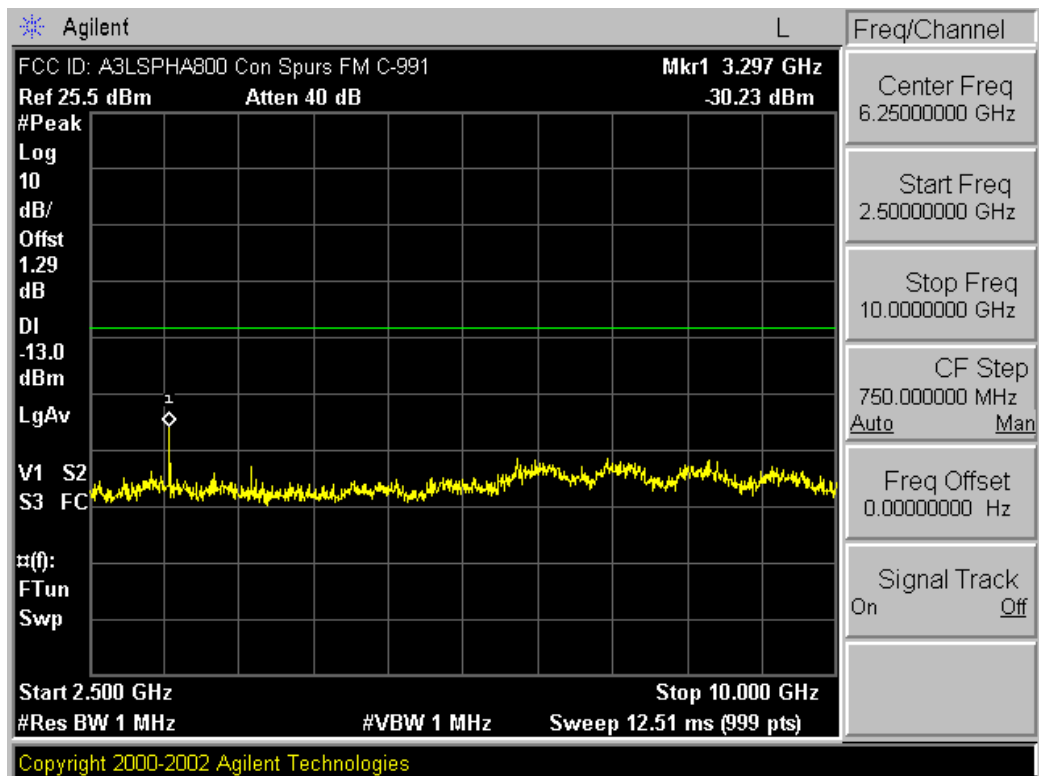
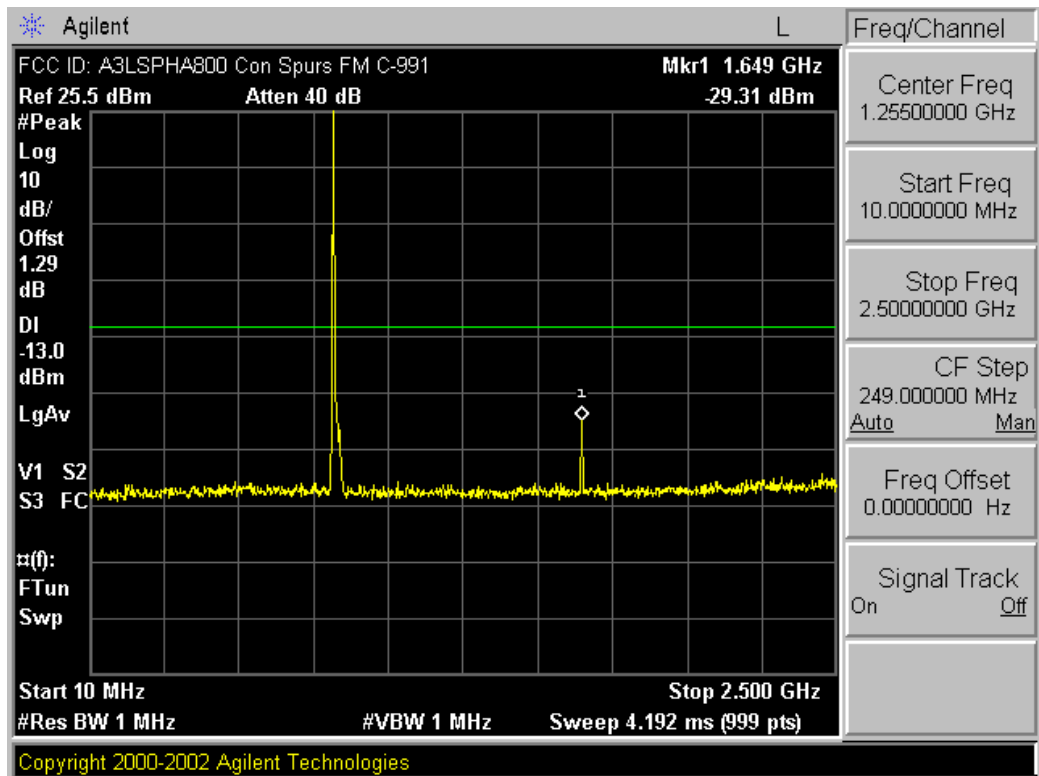
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQ. (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.70	+ 20 (Ref)	835,890,003	0.00	0.000000
100 %		- 30	835,889,961	41.79	0.000005
100 %		- 20	835,889,853	150.46	0.000018
100 %		- 10	835,889,869	133.74	0.000016
100 %		0	835,889,903	100.31	0.000012
100 %		+ 10	835,889,819	183.90	0.000022
100 %		+ 20	835,890,003	0.00	0.000000
100 %		+ 25	835,889,853	150.46	0.000018
100 %		+ 30	835,889,819	183.90	0.000022
100 %		+ 40	835,889,777	225.69	0.000027
100 %		+ 50	835,889,869	133.74	0.000016
100 %		+ 60	835,889,794	208.97	0.000025
85 %	3.15	+ 20	835,890,003	0.00	0.000000
115 %	4.26	+ 20	835,890,003	0.00	0.000000
BATT. ENDPOINT	2.91	+ 20	835,890,003	0.00	0.000000

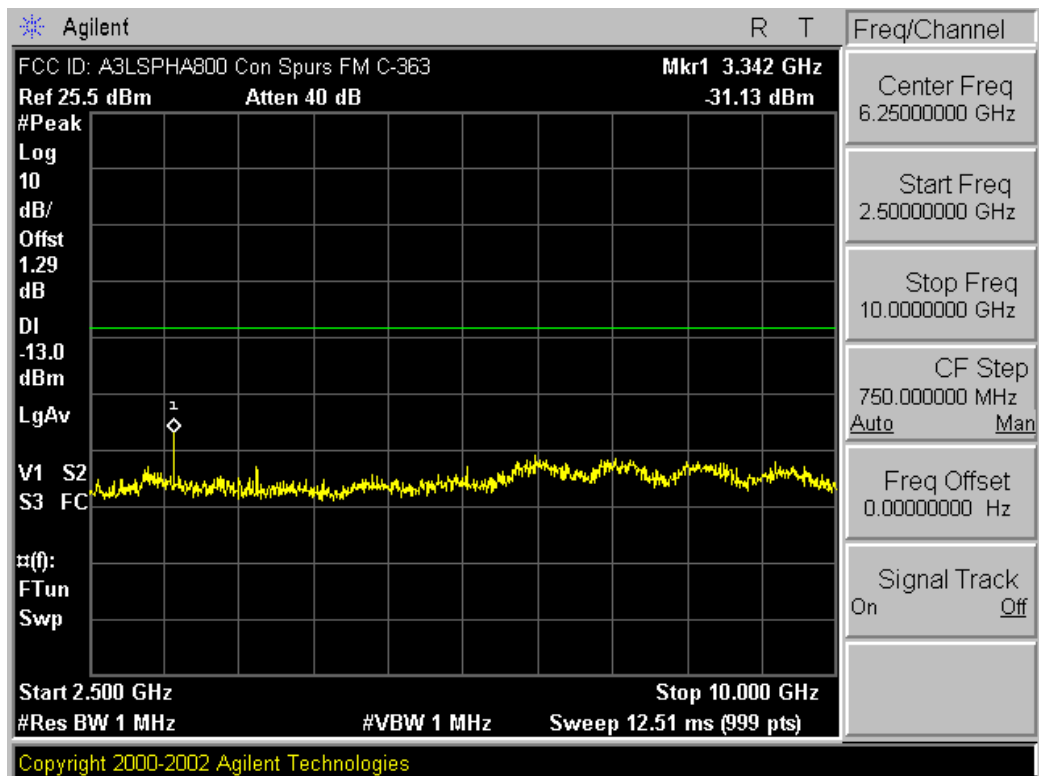
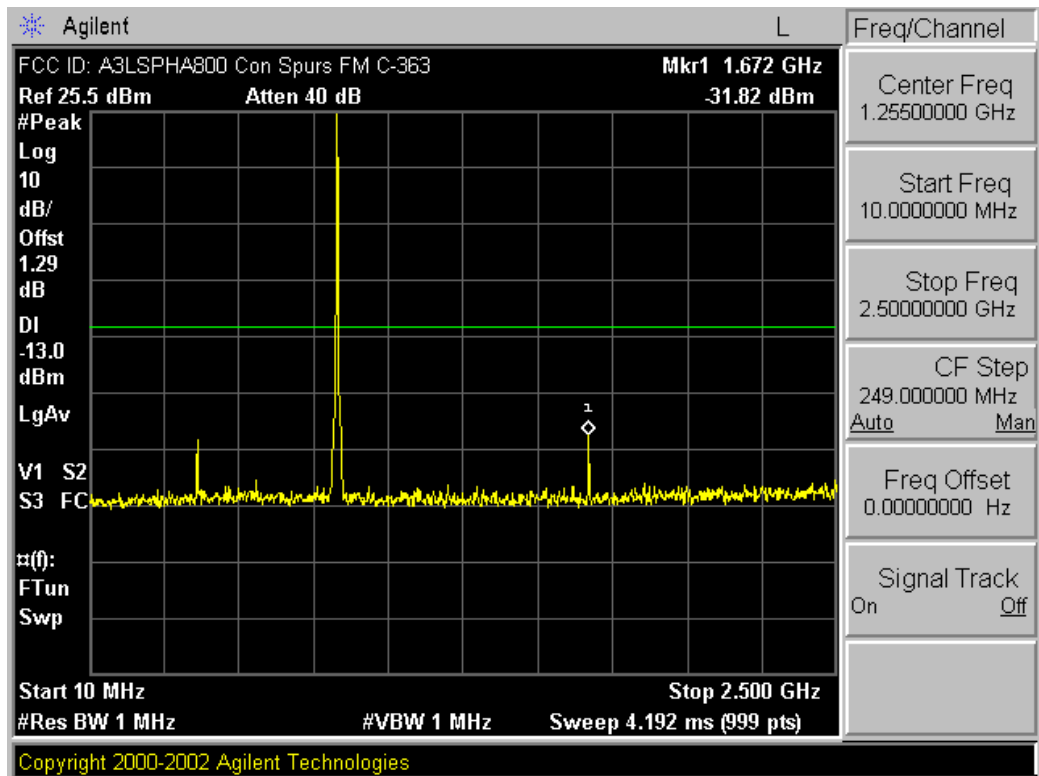
3.1 Test Data (Continued)

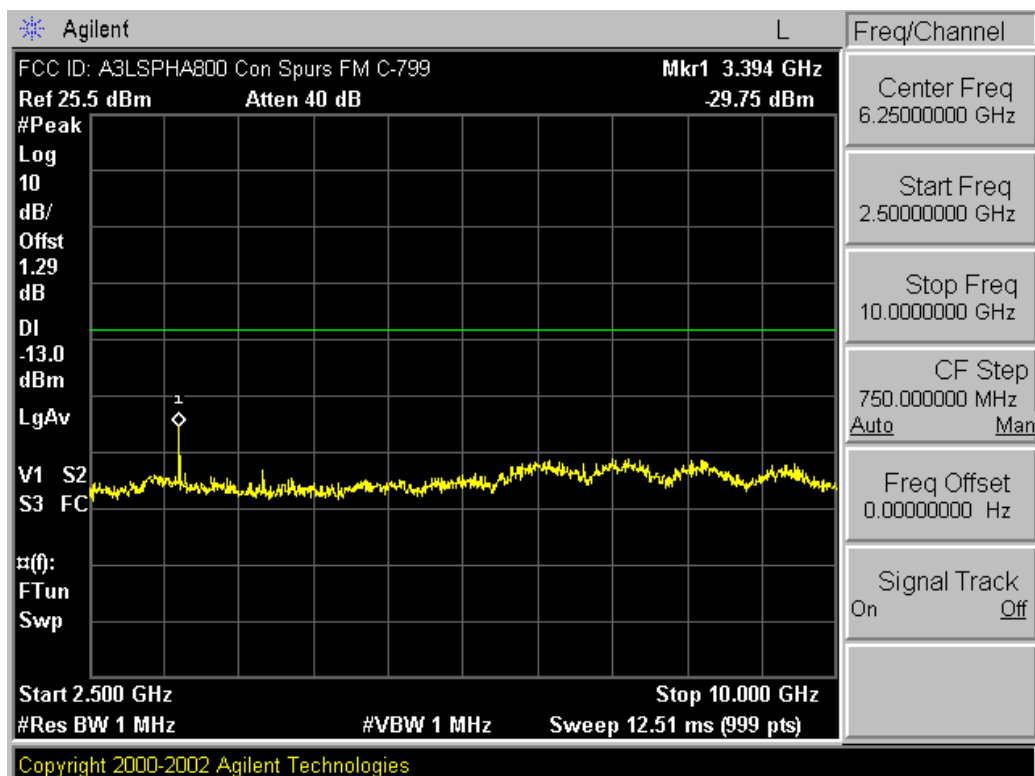
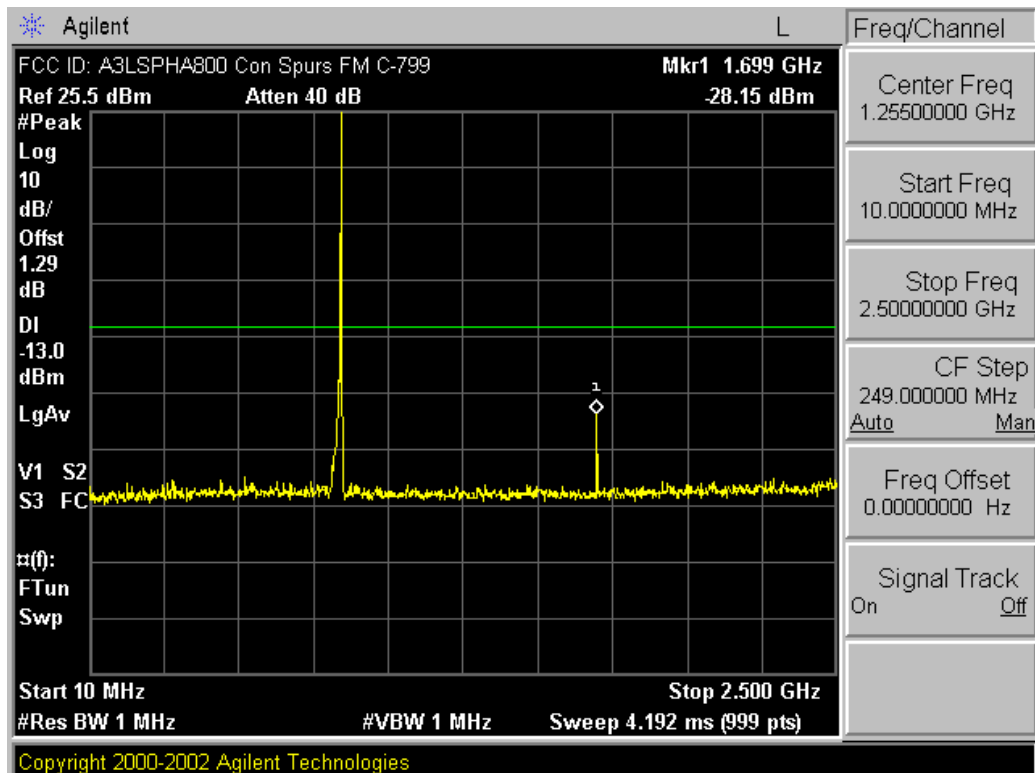
3.3 FREQUENCY STABILITY (AMPS)



PCTEST™ PT. 22/24 SUPPLEMENT	 FCC MEASUREMENT SUPPLEMENT 			Reviewed By: Quality Manager
Test Report S/N: 0501060006	Test Dates: January 7, 2005	Phone Type: Tri-Mode Dual-Band	FCC ID: A3LSPHA800	Page 6 of 6







PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHA800

SAMSUNG

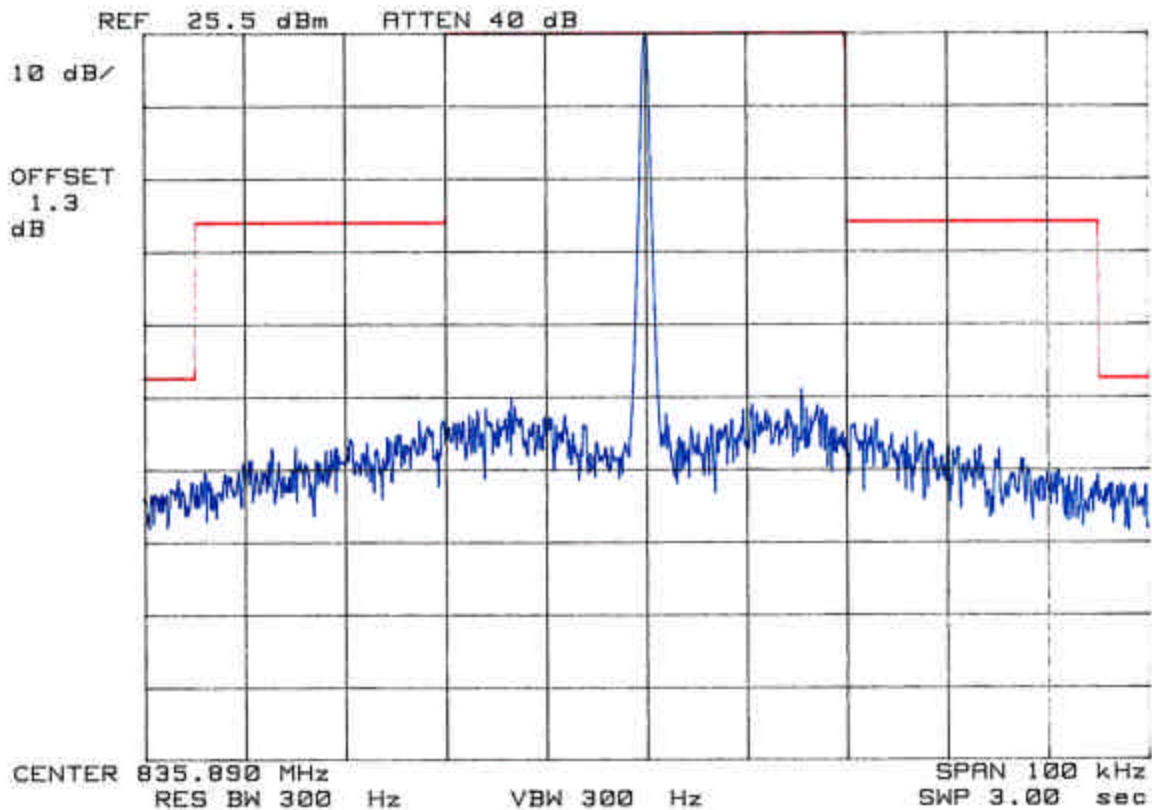
Tri-Mode Phone

FM Channel 363

Operating Frequency: 835.890 MHz

Output Power : 25.5 dBm

Test Mode:Unmodulated Signal



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHA800

SAMSUNG

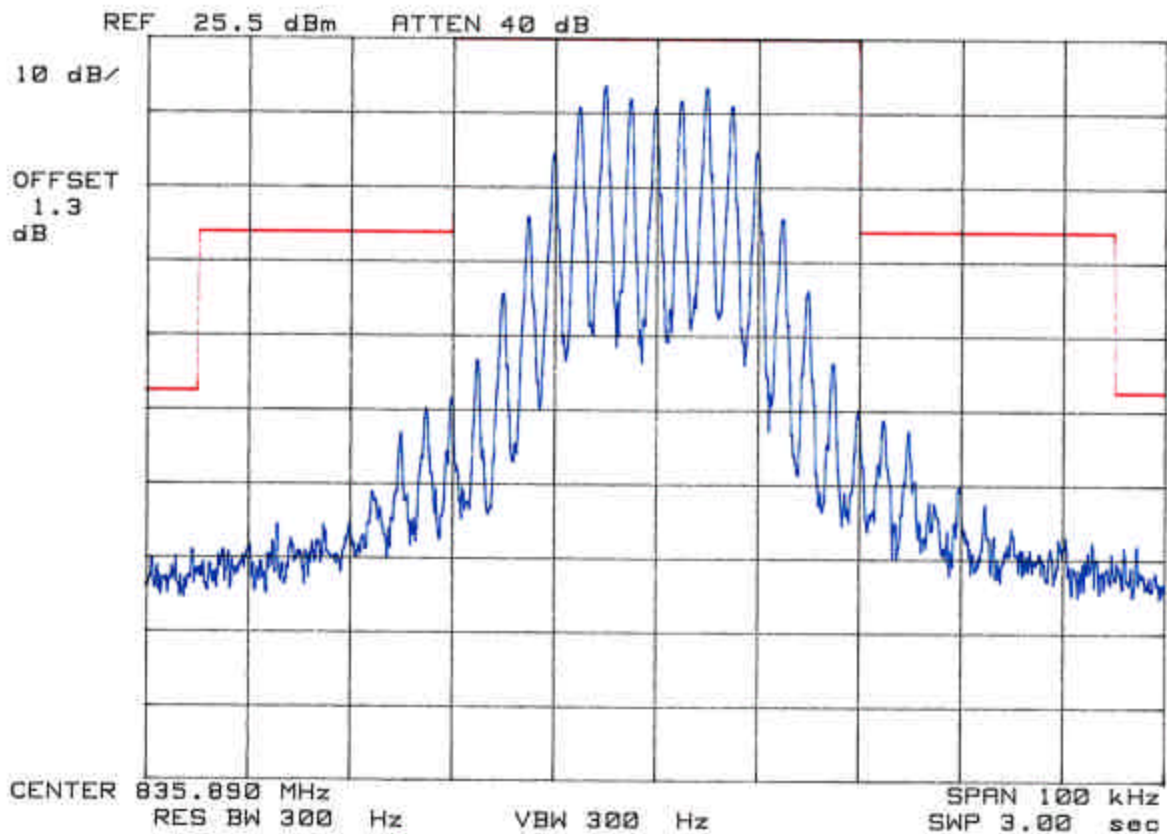
Tri-Mode Phone

FM Channel 363

Operating Frequency: 835.890 MHz

Output Power : 25.5 dBm

Test Mode:Voice



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHA800

SAMSUNG

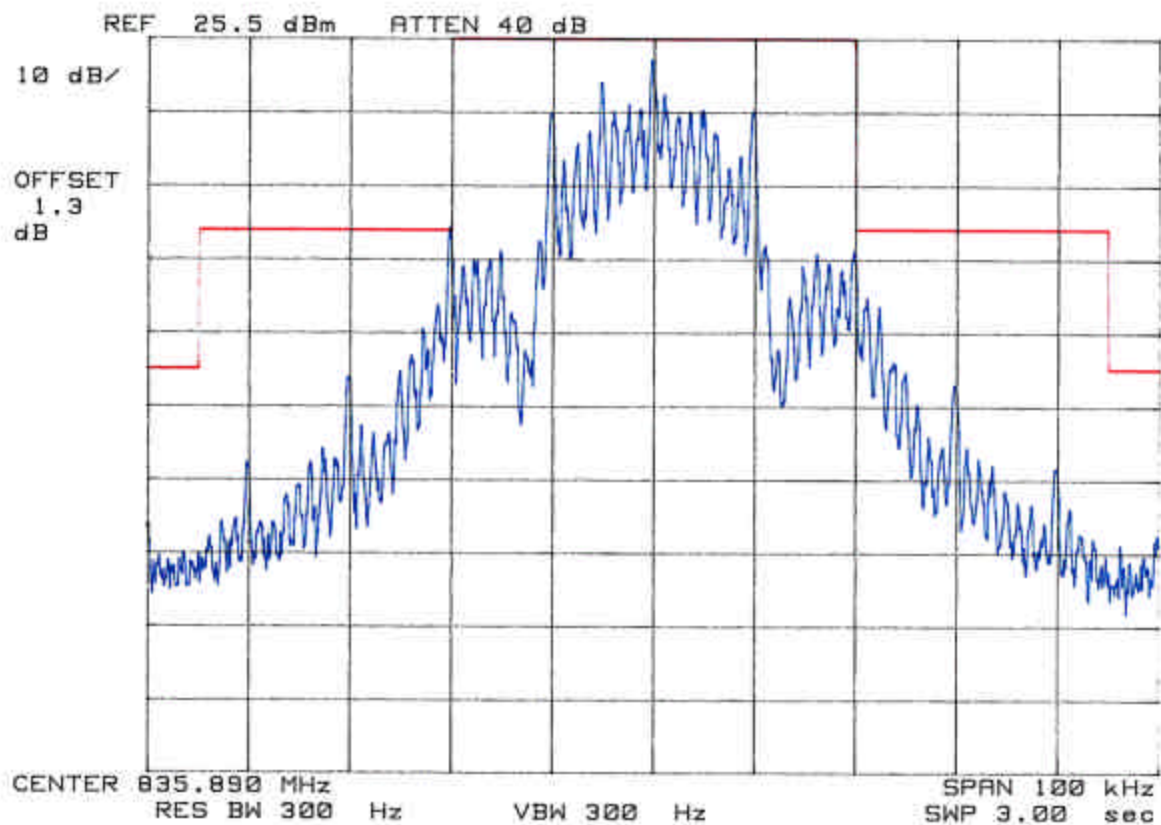
Tri-Mode Phone

FM Channel 363

Operating Frequency: 835.890 MHz

Output Power : 25.5 dBm

Test Mode:Wide Band Data



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHA800

SAMSUNG

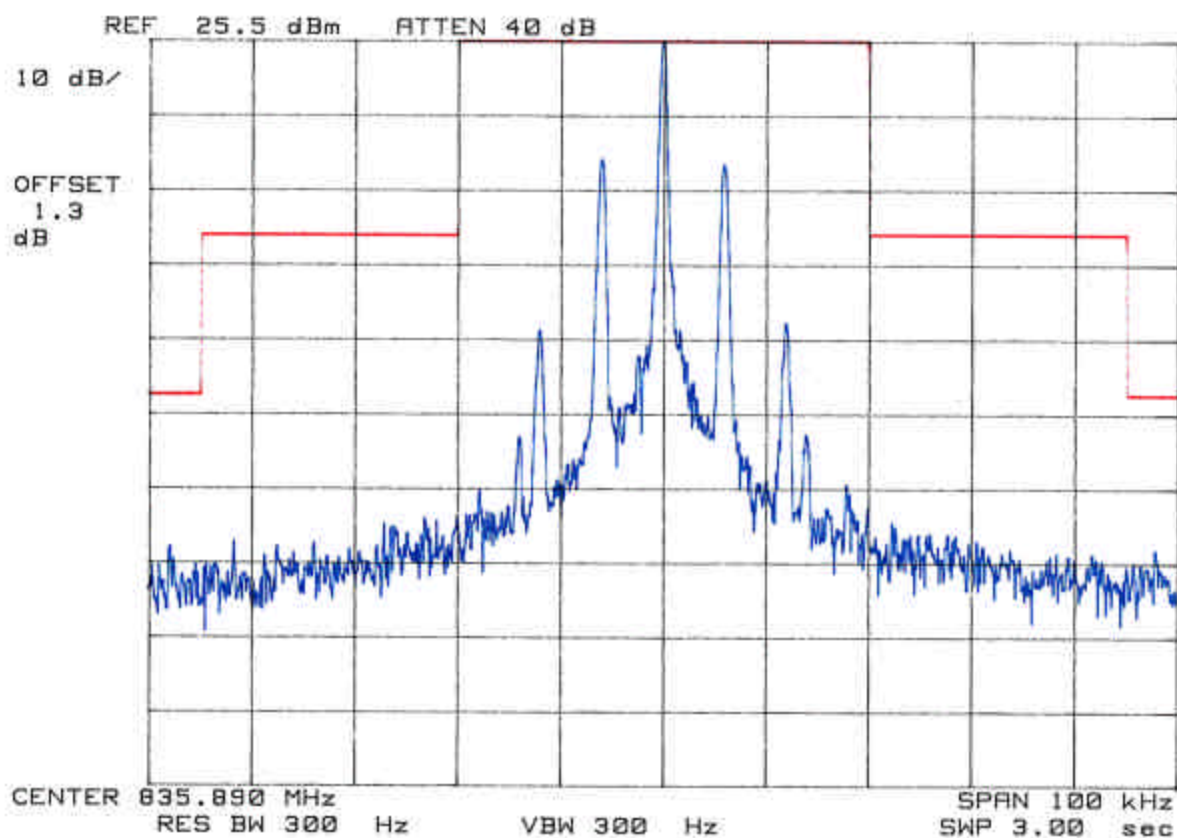
Tri-Mode Phone

FM Channel 363

Operating Frequency: 835.890 MHz

Output Power : 25.5 dBm

Test Mode:SAT



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHA800

SAMSUNG

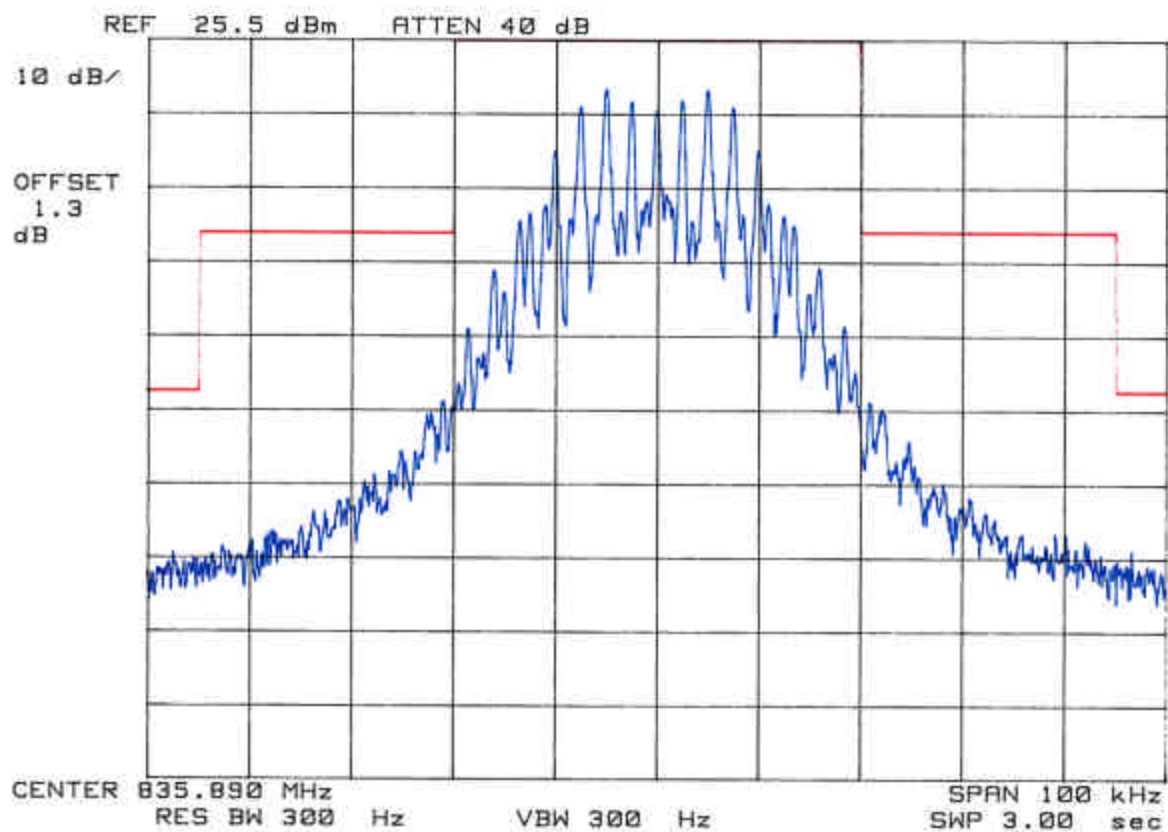
Tri-Mode Phone

FM Channel 363

Operating Frequency: 835.890 MHz

Output Power : 25.5 dBm

Test Mode:SAT + Voice



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHA800

SAMSUNG

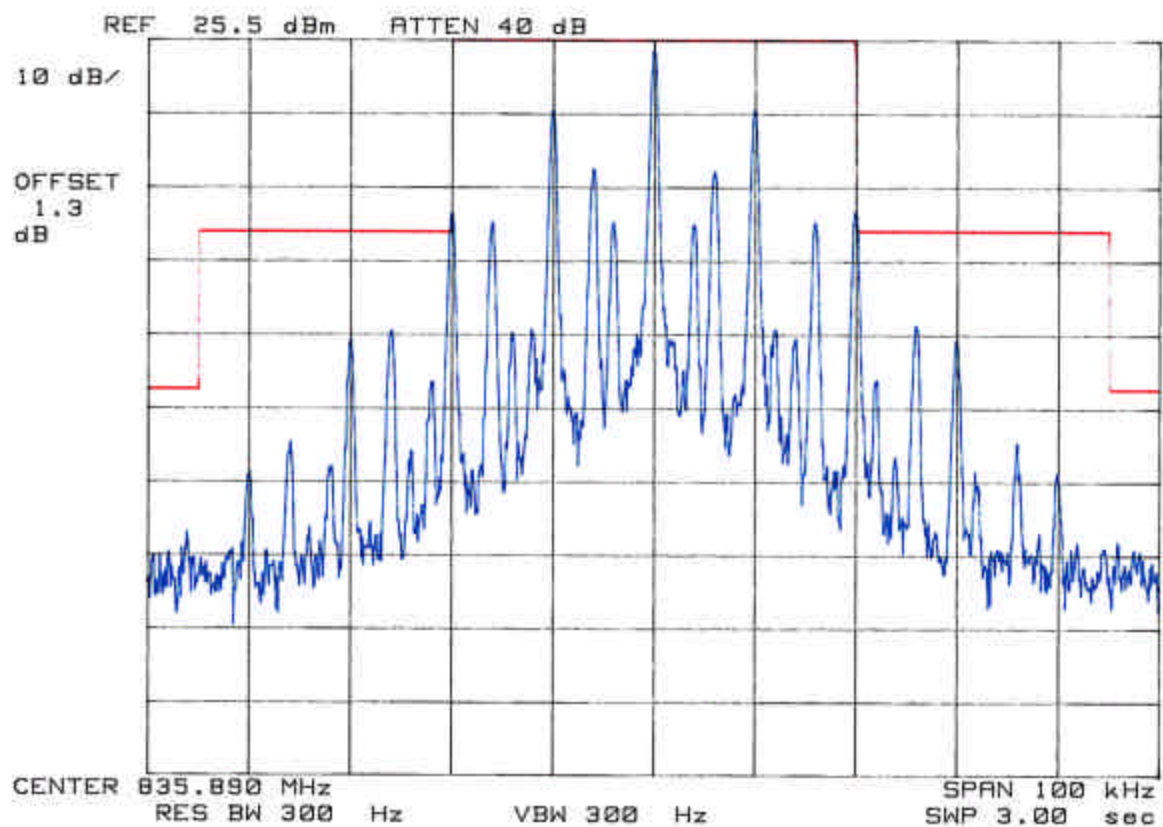
Tri-Mode Phone

FM Channel 363

Operating Frequency: 835.890 MHz

Output Power : 25.5 dBm

Test Mode:SAT + ST



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SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHA800

SAMSUNG

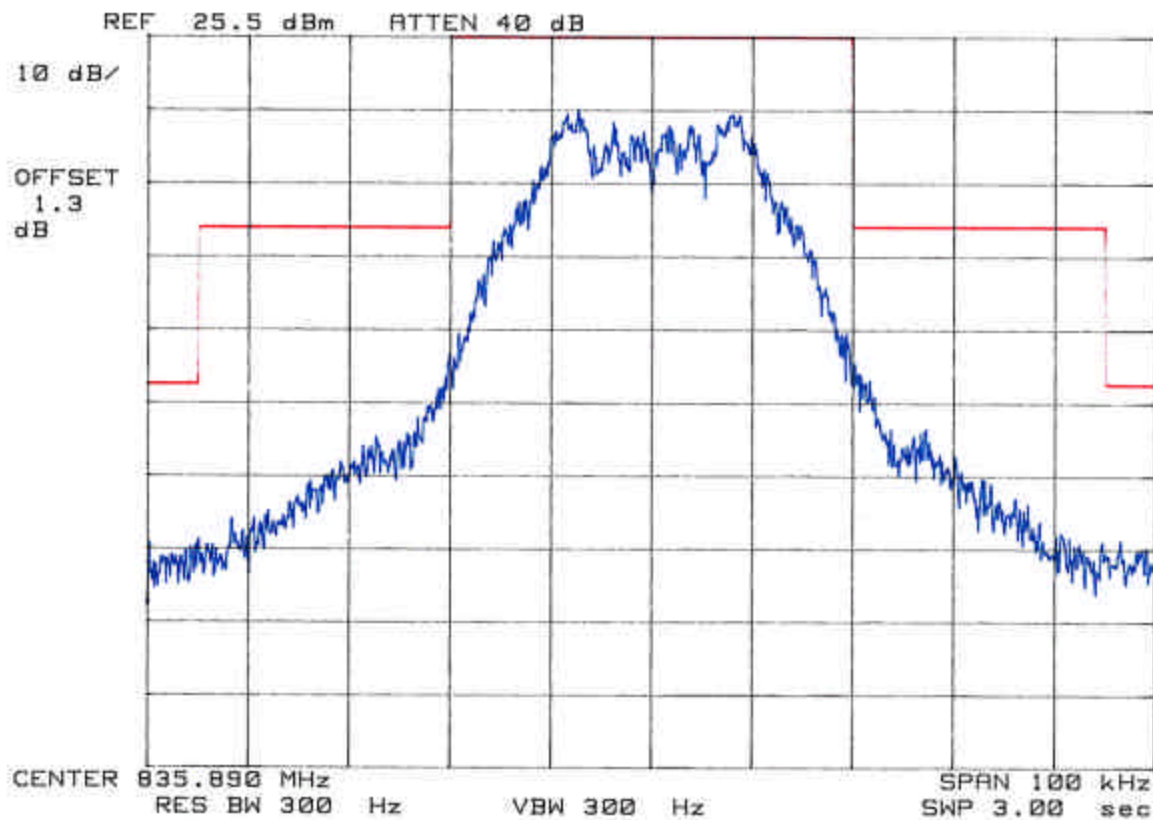
Tri-Mode Phone

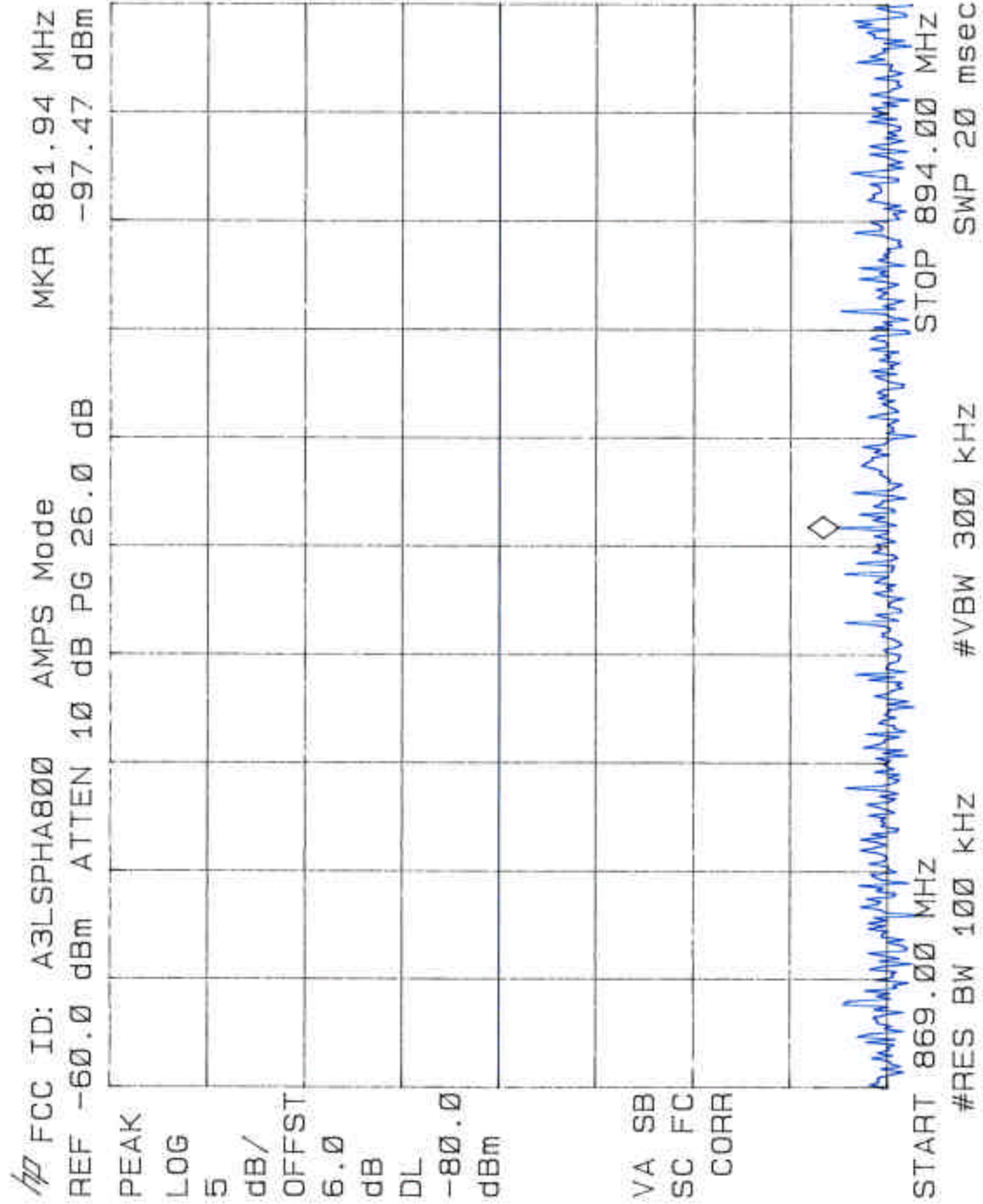
FM Channel 363

Operating Frequency: 835.890 MHz

Output Power : 25.5 dBm

Test Mode:SAT + DTMF





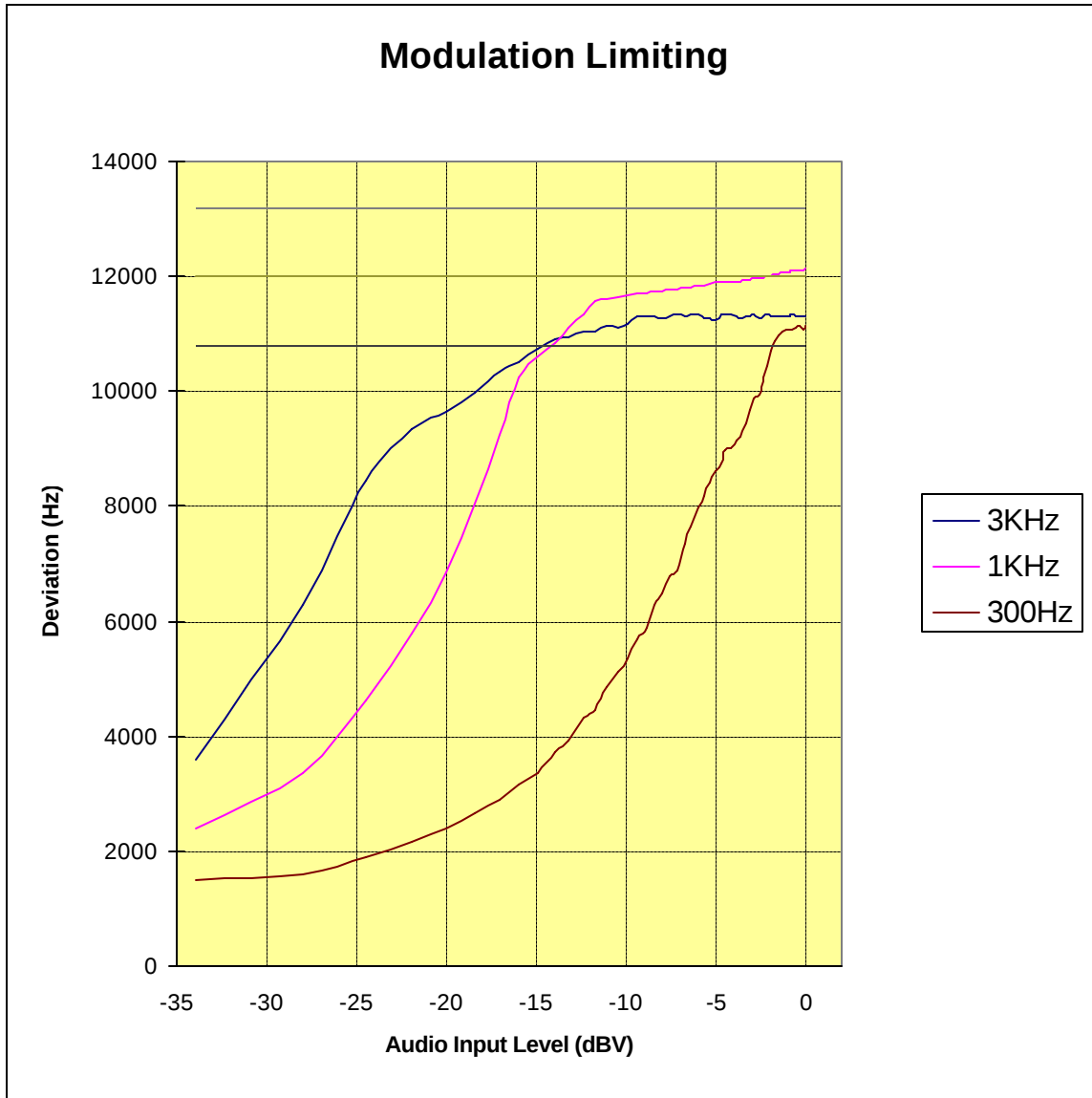
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 0501060006
Test Date: 01.07.2005

EUT: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: SPH-A800
FCC ID: A3LSPHA800

REFERENCE: 1 kHz = 0 dB



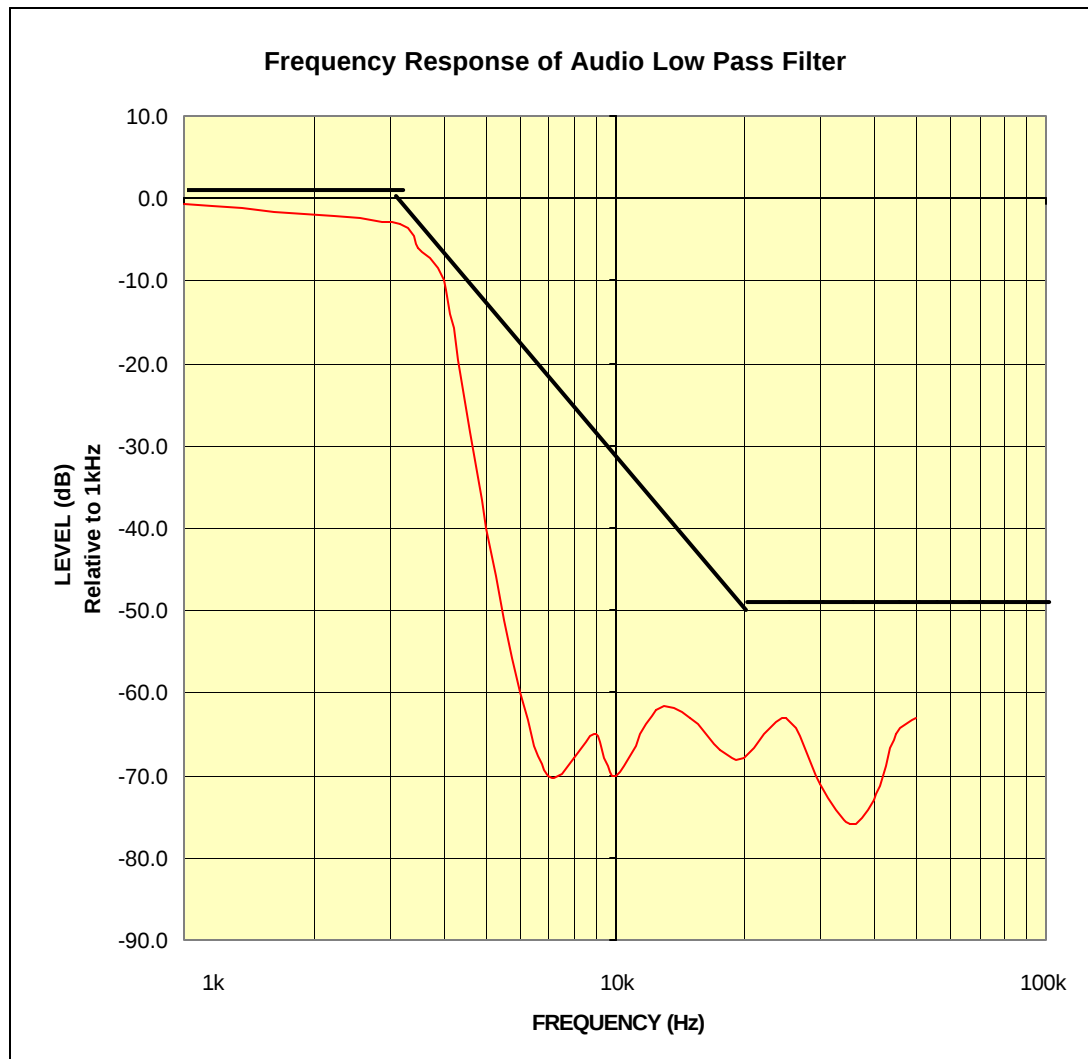
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 0501060006
Test Date: 01.07.2005

EUT: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: SPH-A800
FCC ID: A3LSPHA800

REFERENCE: 1 kHz = 0 dB



SAMSUNG Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
FCC ID: A3LSPHA800

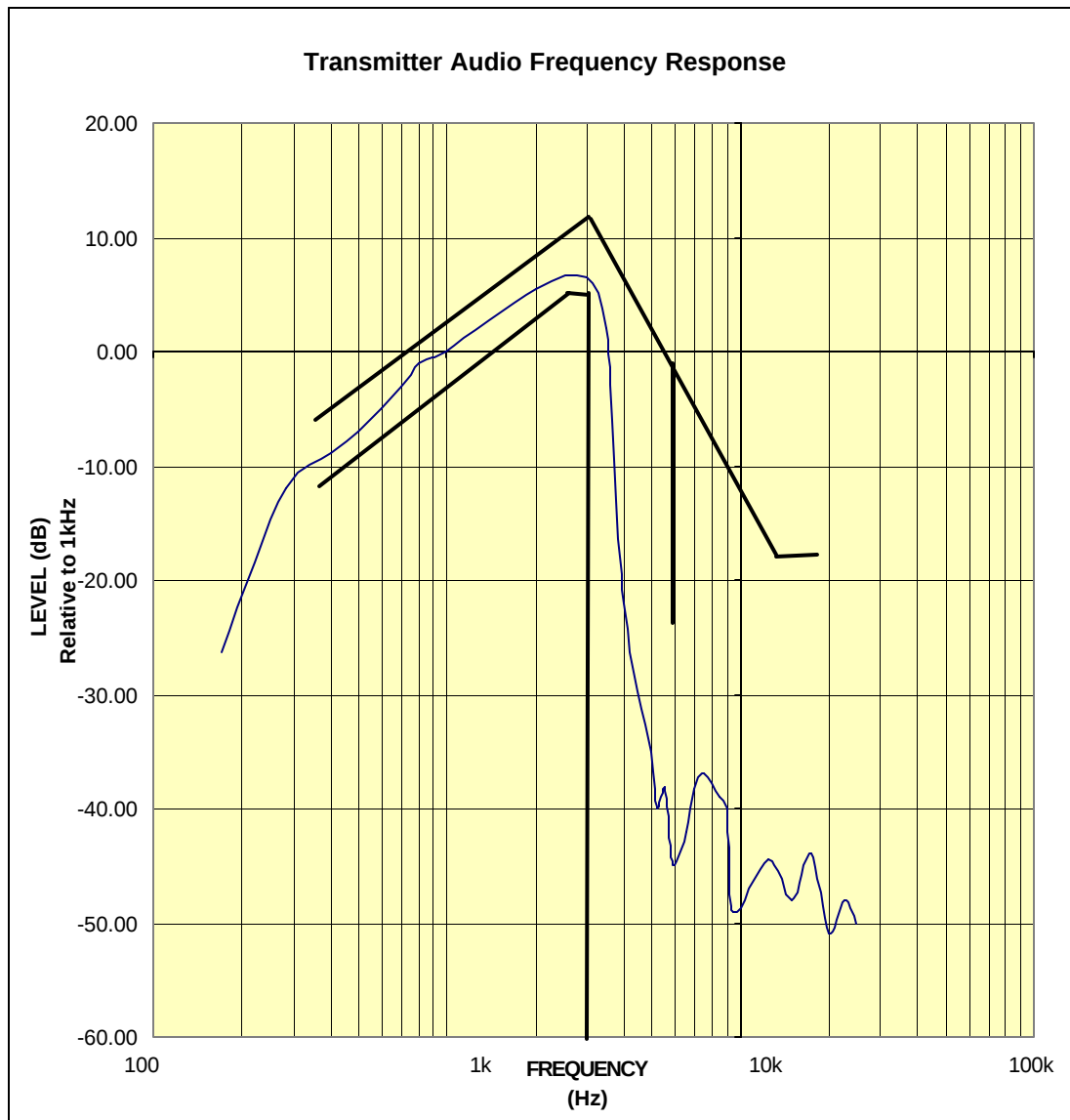
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 0501060006
Test Date: 01.07.2005

EUT: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: SPH-A800
FCC ID: A3LSPHA800

REFERENCE: 1 kHz = 0 dB



SAMSUNG Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
FCC ID: A3LSPHA800