1.1 Test Data

1.2 Effective Radiated Power Output

A. POWER: **Low (Analog Mode)**

Freq. Tuned (MHz)	REF. LEVEL (dBm)	AFCL (dB)	POL (H/V)	ERP (W)	ERP (dBm)
824.04	-36.000	31.65	H	0.003	5.273
836.49	-35.690	31.81	H	0.004	5.739
848.97	-36.100	31.96	H	0.004	5.485

B. POWER: **High (Analog Mode)**

Freq. Tuned (MHz)	REF. LEVEL (dBm)	AFCL (dB)	POL (H/V)	ERP (W)	ERP (dBm)	BATTERY
824.04	-16.000	31.65	H	0.33677	25.273	Standard
836.49	-15.690	31.81	H	0.37488	25.739	Standard
848.97	-16.100	31.96	H	0.35358	25.485	Standard

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.

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: 25.739 dBm = 0.375 W
MODULATION SIGNAL: FM (Internal)
DISTANCE: 3 meters
LIMIT: 43 + 10 $\log_{10}$ (W) = 38.74 dBc

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1648.08	-44.28	6.10	-38.18	H	63.9
2472.12	-48.08	6.70	-41.38	H	67.1
3296.16	-53.88	6.80	-47.08	H	72.8
4120.20	-67.78	6.50	-61.28	H	87.0
4944.24	-84.38	7.00	-77.38	H	103.1

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.

2.1 Test Data (Continued)

2.3 AMPS Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 836.49 MHz
CHANNEL: 0383 (Mid)
MEASURED OUTPUT POWER: 25.739 dBm = 0.375 W
MODULATION SIGNAL: FM (Internal)
DISTANCE: 3 meters
LIMIT: 43 + 10 $\log_{10}$ (W) = 38.74 dBc

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1672.98	-42.18	6.10	-36.08	H	61.8
2509.47	-55.88	6.70	-49.18	H	74.9
3345.96	-66.78	6.80	-59.98	H	85.7
4182.45	-69.48	6.50	-62.98	H	88.7
5018.94	-83.88	7.00	-76.88	H	102.6

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.

2.1 Test Data (Continued)

2.4 AMPS Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 848.97

CHANNEL: 0799 (High)

MEASURED OUTPUT POWER: 25.739 dBm = W

MODULATION SIGNAL: FM (Internal)

DISTANCE: 3 meters

LIMIT: 43 + 10 $\log_{10}$ (W) = 38.74

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBd)	CORRECT GENERATOR LEVEL (dBm)	(dBc)
1697.94	-42.58	6.10	-36.48	62.2
2546.91	-49.58	6.70	-42.88	68.6
3395.88	-55.58	6.80	-48.78	74.5
4244.85	-70.58	6.50	-64.08	89.8
5093.82	-83.98	7.00	-76.98	102.7

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.

3.1 Test Data

3.2 § 2.995 FREQUENCY STABILITY (AMPS)

OPERATING FREQUENCY: 836,490,080 Hz

CHANNEL: 383

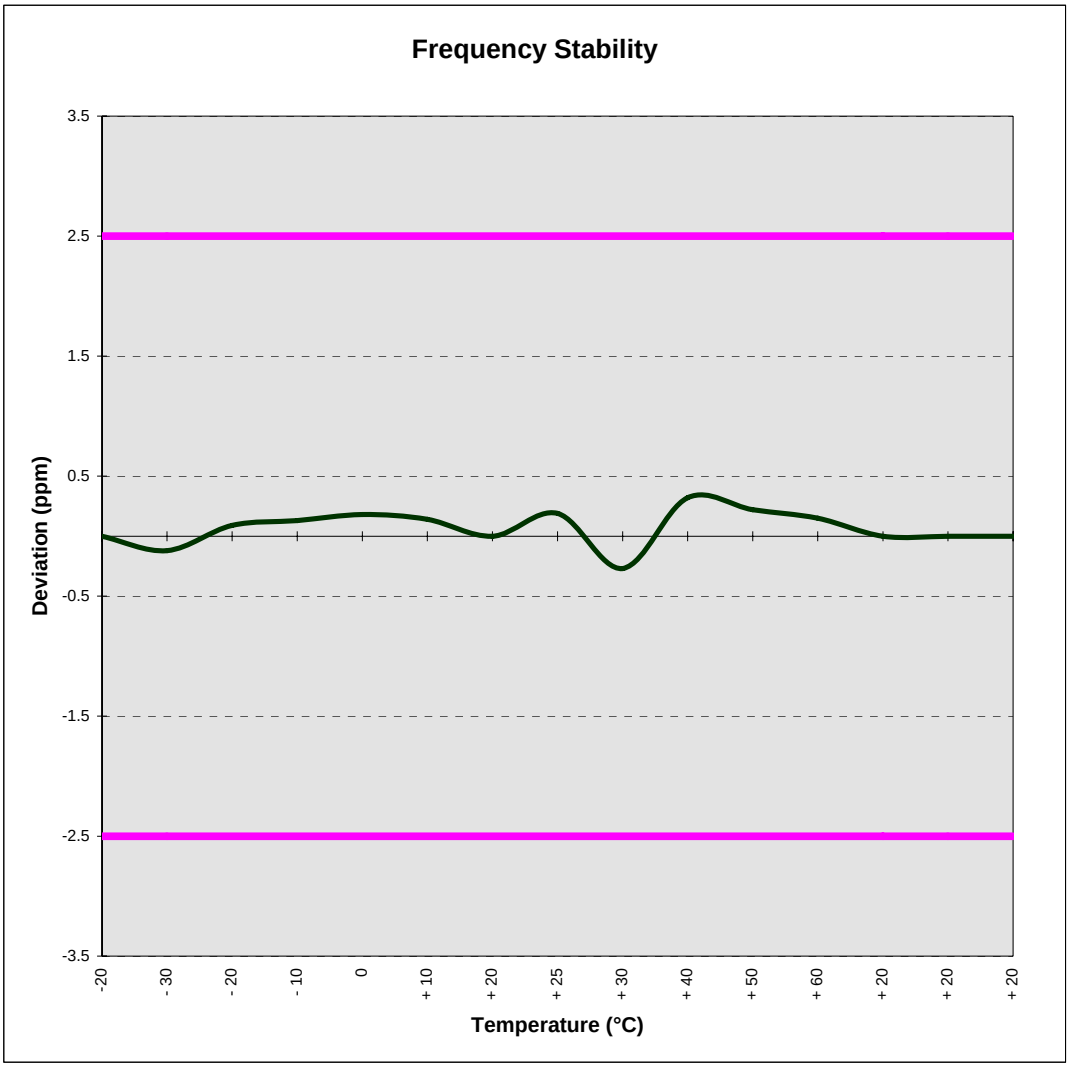
REFERENCE VOLTAGE: 3.7 VDC

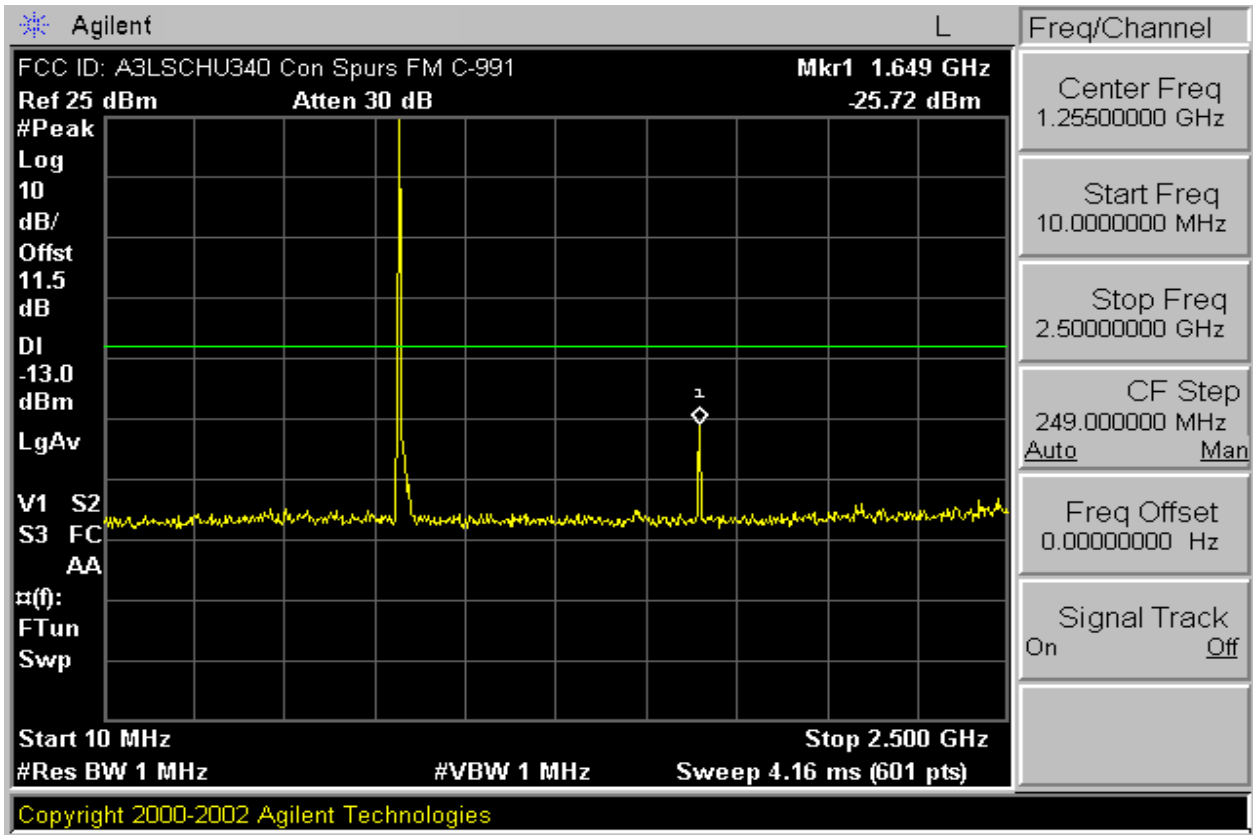
DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

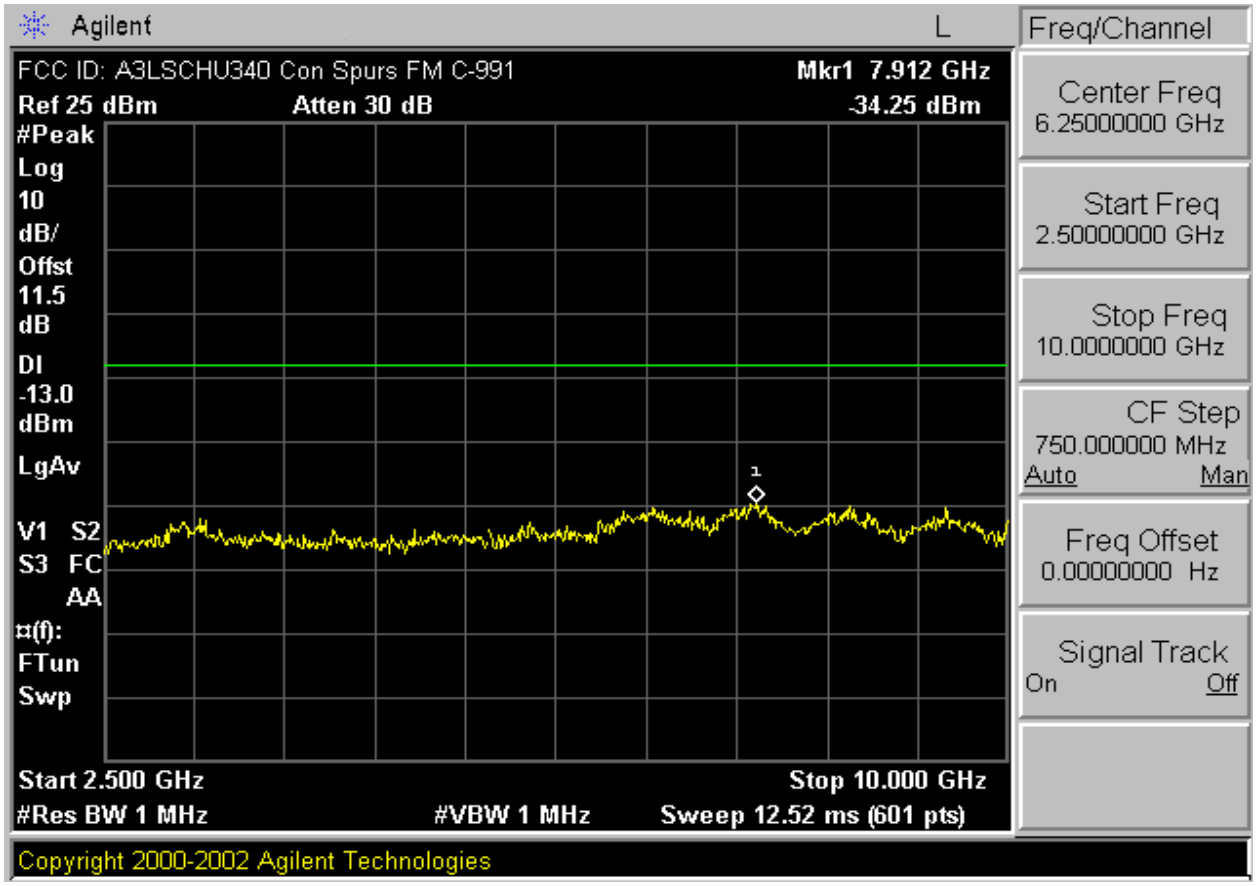
VOLTAGE (%)	POWER (VDC)	TEMP (ºC)	FREQ. (Hz)	Deviation (%)
100 %	3.70	+ 20 (Ref)	836,490,080	0.000000
100 %		- 30	836,490,180	-0.000012
100 %		- 20	836,490,005	0.000009
100 %		- 10	836,489,971	0.000013
100 %		0	836,489,929	0.000018
100 %		+ 10	836,489,963	0.000014
100 %		+ 20	836,490,080	0.000000
100 %		+ 25	836,489,921	0.000019
100 %		+ 30	836,490,306	-0.000027
100 %		+ 40	836,489,812	0.000032
100 %		+ 50	836,489,896	0.000022
100 %		+ 60	836,489,955	0.000015
85 %	3.40	+ 20	836,490,080	0.000000
115 %	4.26	+ 20	836,490,080	0.000000
BATT. ENDPOINT	3.40	+ 20	836,490,080	0.000000

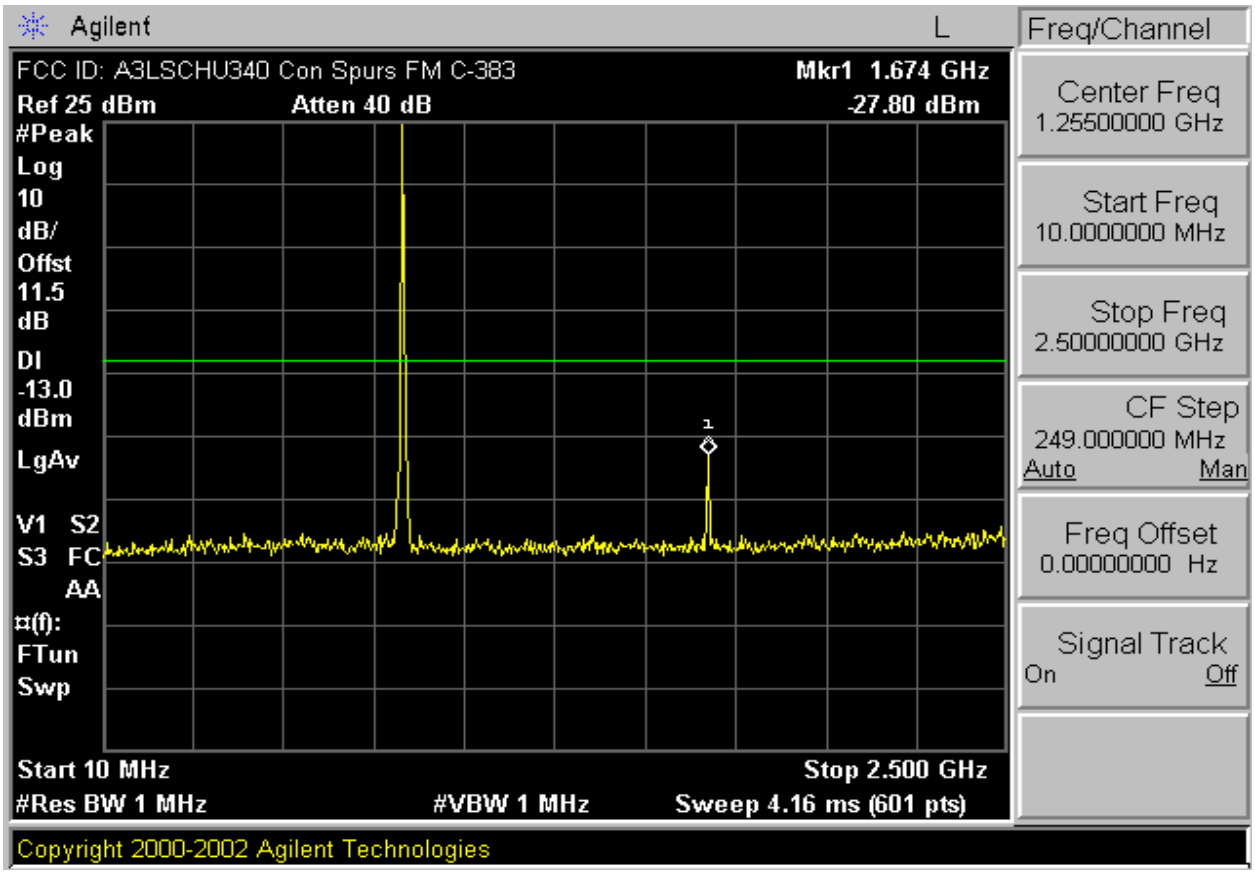
3.1 Test Data

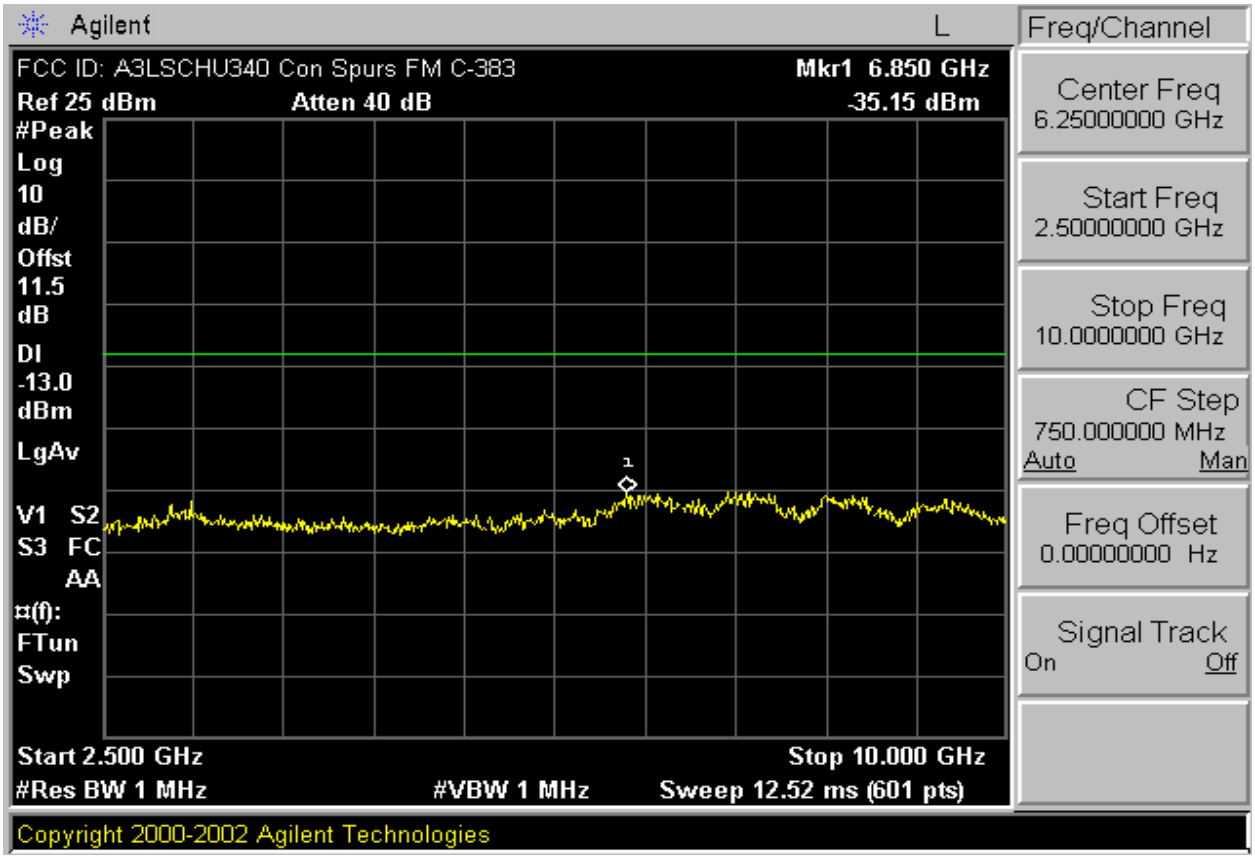
3.3 § 2.995 FREQUENCY STABILITY (AMPS)

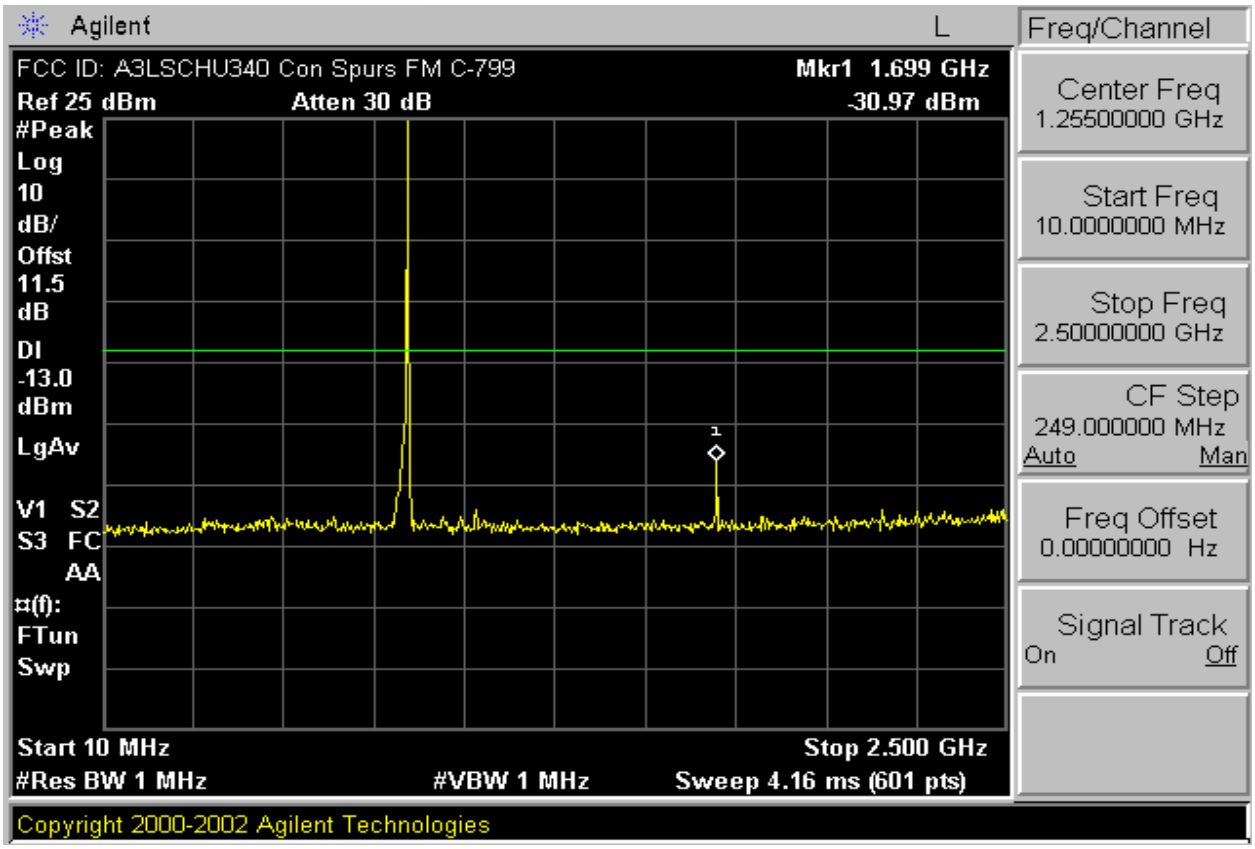


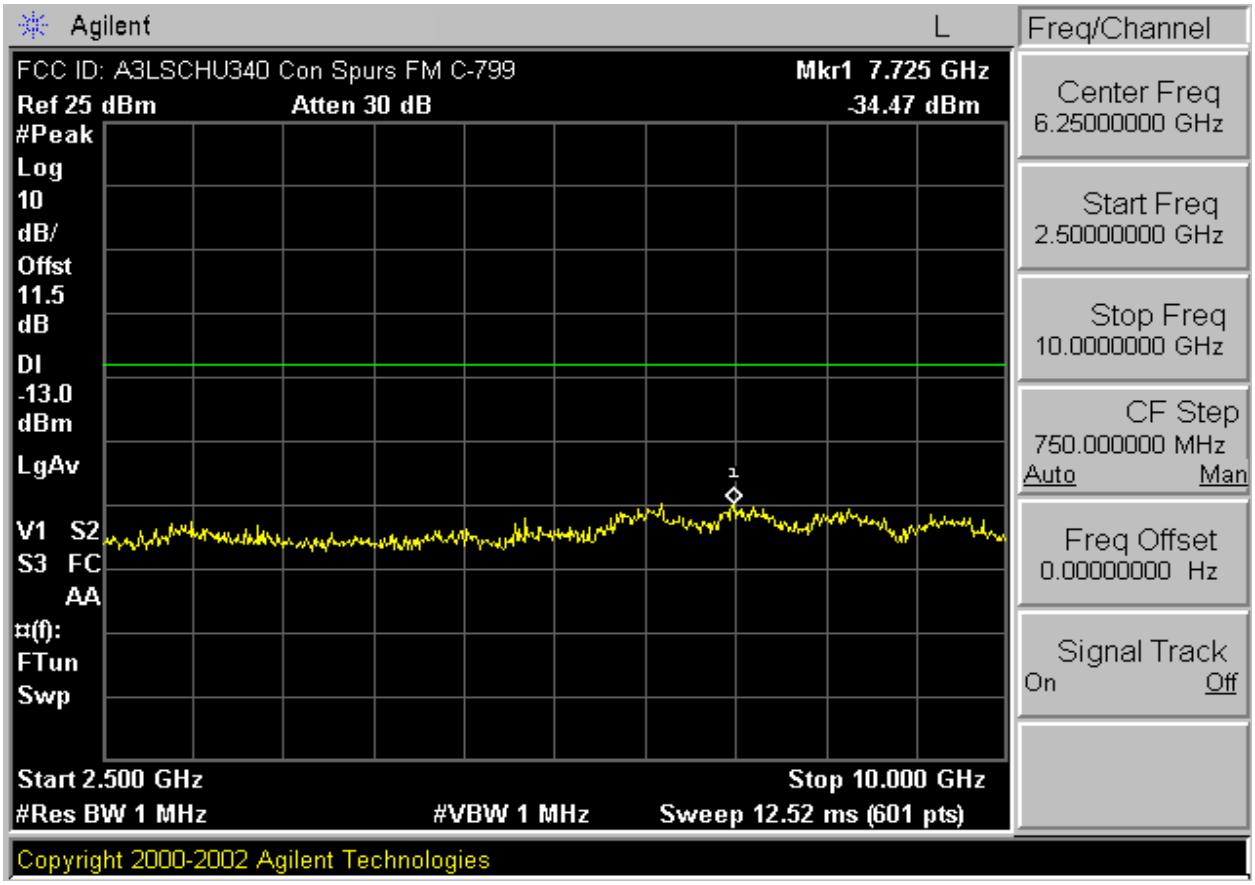










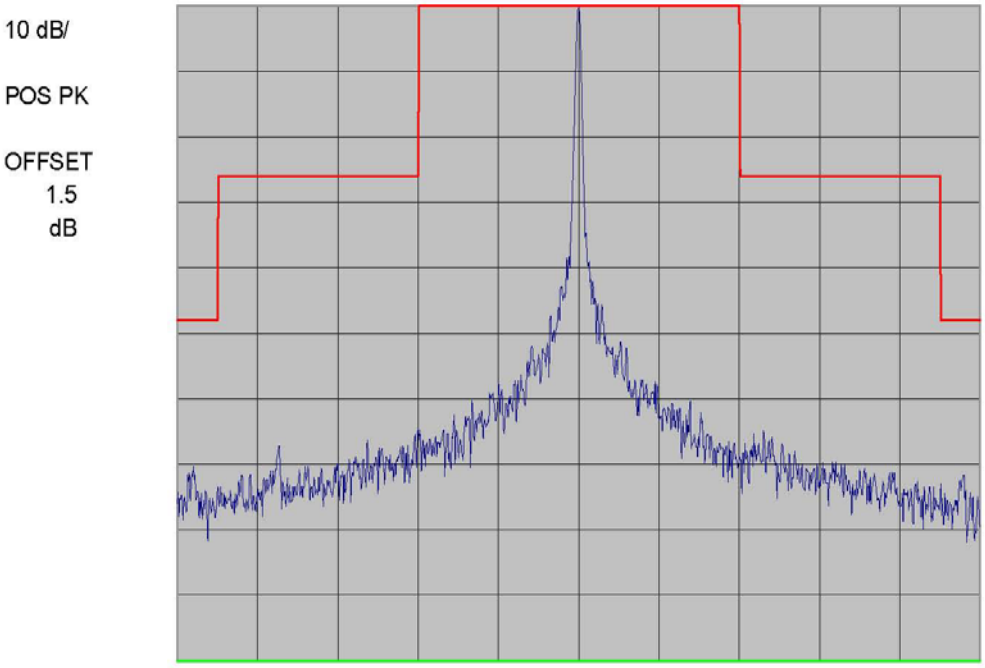


PCTEST Engineering Laboratory Inc.

SPECTRUM PRESENTATION

FCC ID: A3LSCHU340
SAMSUNG Electronics
Tri-Mode Phone
FM Channel 383
Operating Frequency: 836.49 MHz
Output Power: 25.0 dBm
Test Mode: Unmodulated Signal

REF 25.0 dBm ATTEN 40 dB



CENTER 836.490 MHz
RES BW 300 Hz
VBW 300 Hz
SPAN 100 kHz
SWP 3.00 sec

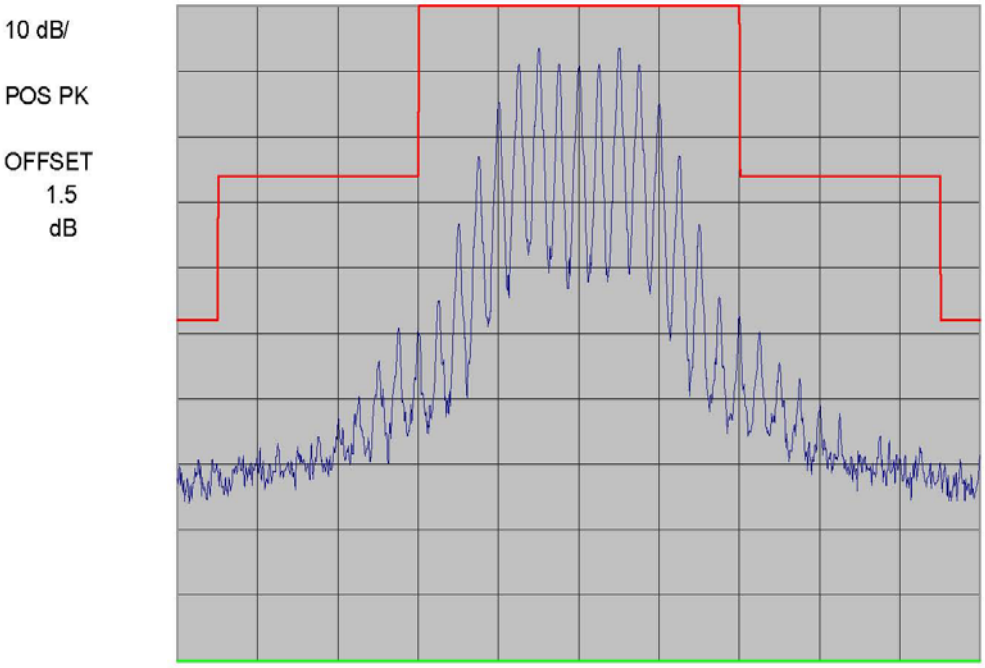
Ver.1.0 ©PCTEST 2006.08

PCTEST Engineering Laboratory Inc.

SPECTRUM PRESENTATION

FCC ID: A3LSCHU340
SAMSUNG Electronics
Tri-Mode Phone
FM Channel 383
Operating Frequency: 836.49 MHz
Output Power: 25.0 dBm
Test Mode: Voice

REF 25.0 dBm ATTEN 40 dB



CENTER 836.490 MHz
RES BW 300 Hz
VBW 300 Hz
SPAN 100 kHz
SWP 3.00 sec

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PCTEST Engineering Laboratory Inc.

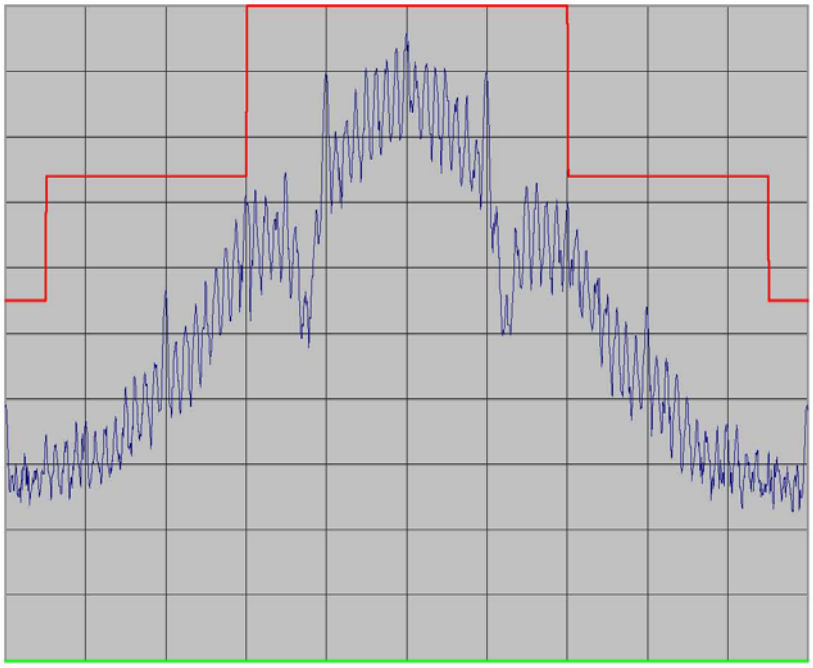
SPECTRUM PRESENTATION

FCC ID: A3LSCHU340
SAMSUNG Electronics
Tri-Mode Phone
FM Channel 383
Operating Frequency: 836.49 MHz
Output Power: 25.0 dBm
Test Mode: Wide Band Data

REF 25.0 dBm ATTEN 40 dB

10 dB/

OFFSET
1.5
dB



CENTER 836.490 MHz
RES BW 300 Hz
VBW 300 Hz
SPAN 100 kHz
SWP 3.00 sec

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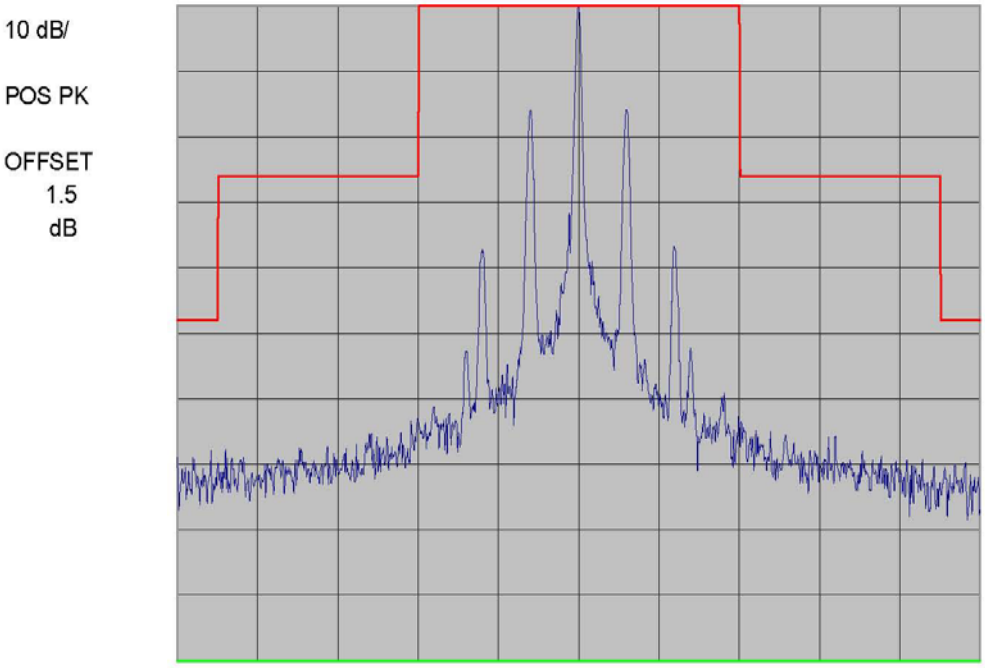
PCTEST Engineering Laboratory Inc.

SPECTRUM PRESENTATION

FCC ID: A3LSCHU340
SAMSUNG Electronics
Tri-Mode Phone
FM Channel 383
Operating Frequency: 836.49 MHz
Output Power: 25.0 dBm
Test Mode: SAT

REF 25.0 dBm ATTEN 40 dB



CENTER 836.490 MHz
RES BW 300 Hz
VBW 300 Hz
SPAN 100 kHz
SWP 3.00 sec

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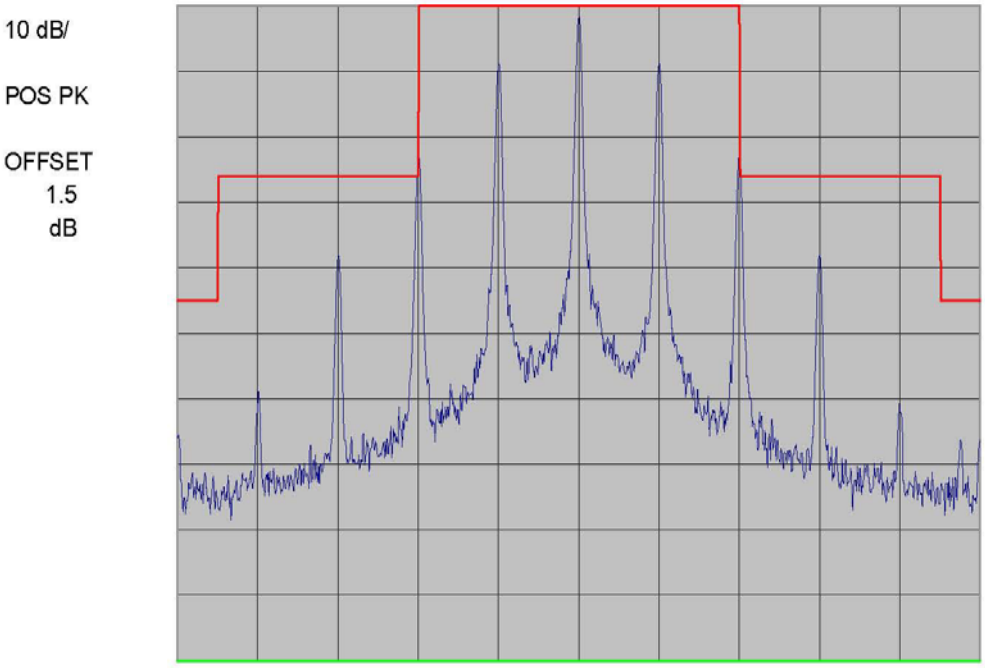
PCTEST Engineering Laboratory Inc.

SPECTRUM PRESENTATION

FCC ID: A3LSCHU340
SAMSUNG Electronics
Tri-Mode Phone
FM Channel 383
Operating Frequency: 836.49 MHz
Output Power: 25.0 dBm
Test Mode: ST

REF 25.0 dBm ATTEN 40 dB



CENTER 836.490 MHz
RES BW 300 Hz
VBW 300 Hz
SPAN 100 kHz
SWP 3.00 sec

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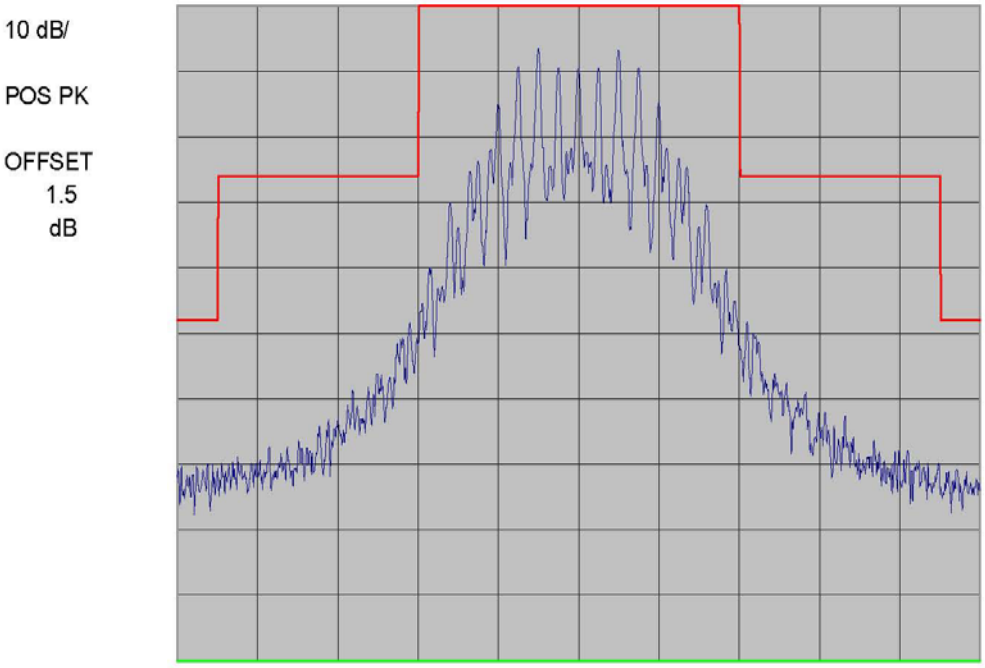
SPECTRUM PRESENTATION

FCC ID: A3LSCHU340
SAMSUNG Electronics
Tri-Mode Phone
FM Channel 383
Operating Frequency: 836.49 MHz
Output Power: 25.0 dBm
Test Mode: SAT + Voice

REF 25.0 dBm ATTEN 40 dB



CENTER 836.490 MHz
RES BW 300 Hz
VBW 300 Hz
SPAN 100 kHz
SWP 3.00 sec

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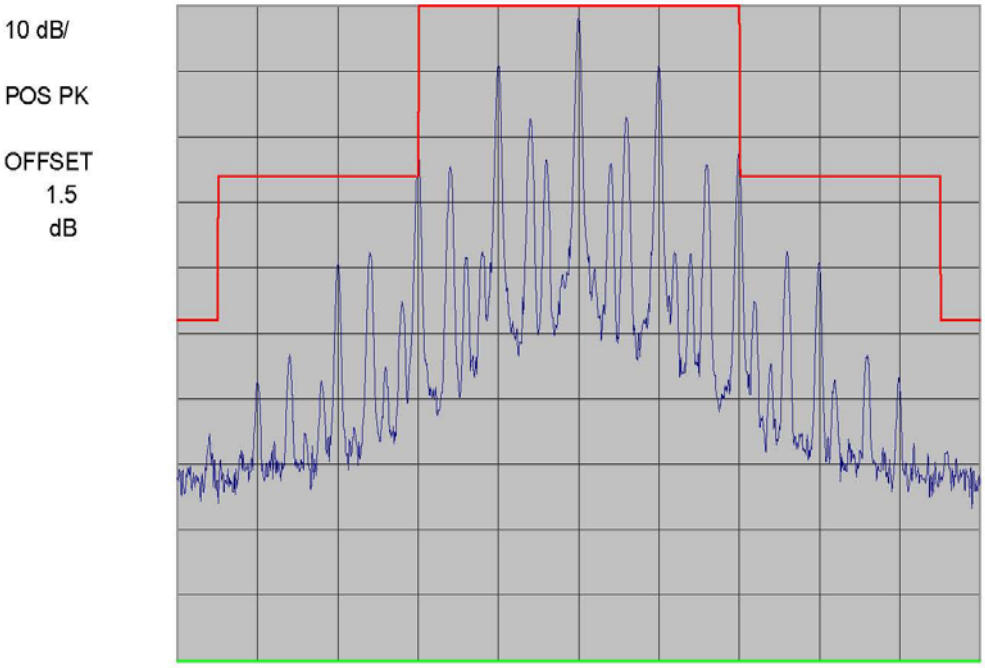
PCTEST Engineering Laboratory Inc.

SPECTRUM PRESENTATION

FCC ID: A3LSCHU340
SAMSUNG Electronics
Tri-Mode Phone
FM Channel 383
Operating Frequency: 836.49 MHz
Output Power: 25.0 dBm
Test Mode: SAT + ST

REF 25.0 dBm ATTEN 40 dB



CENTER 836.490 MHz
RES BW 300 Hz
VBW 300 Hz
SPAN 100 kHz
SWP 3.00 sec

Ver.1.0 ©PCTEST 2006.08

PCTEST Engineering Laboratory Inc.

SPECTRUM PRESENTATION

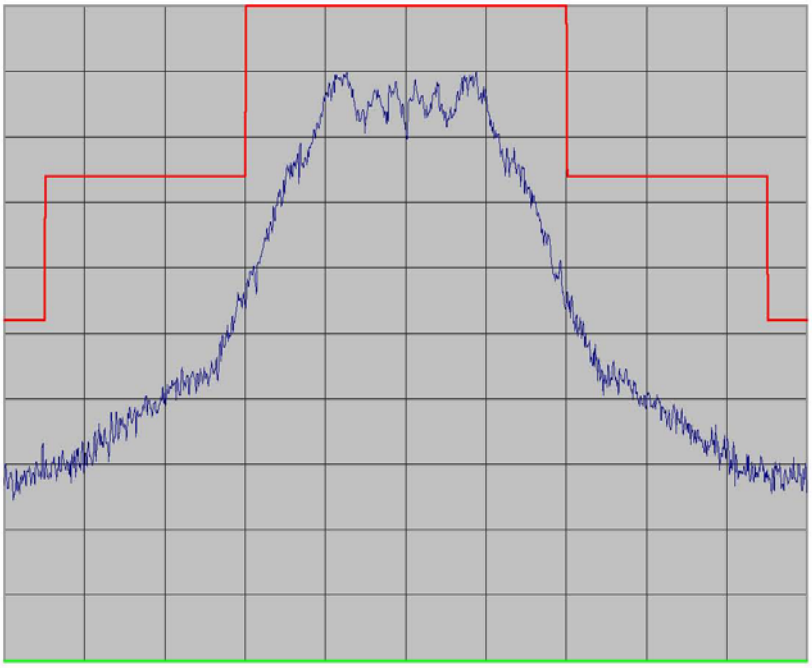
FCC ID: A3LSCHU340
SAMSUNG Electronics
Tri-Mode Phone
FM Channel 383
Operating Frequency: 836.49 MHz
Output Power: 25.0 dBm
Test Mode: SAT + DTMF

REF 25.0 dBm ATTEN 40 dB

10 dB/

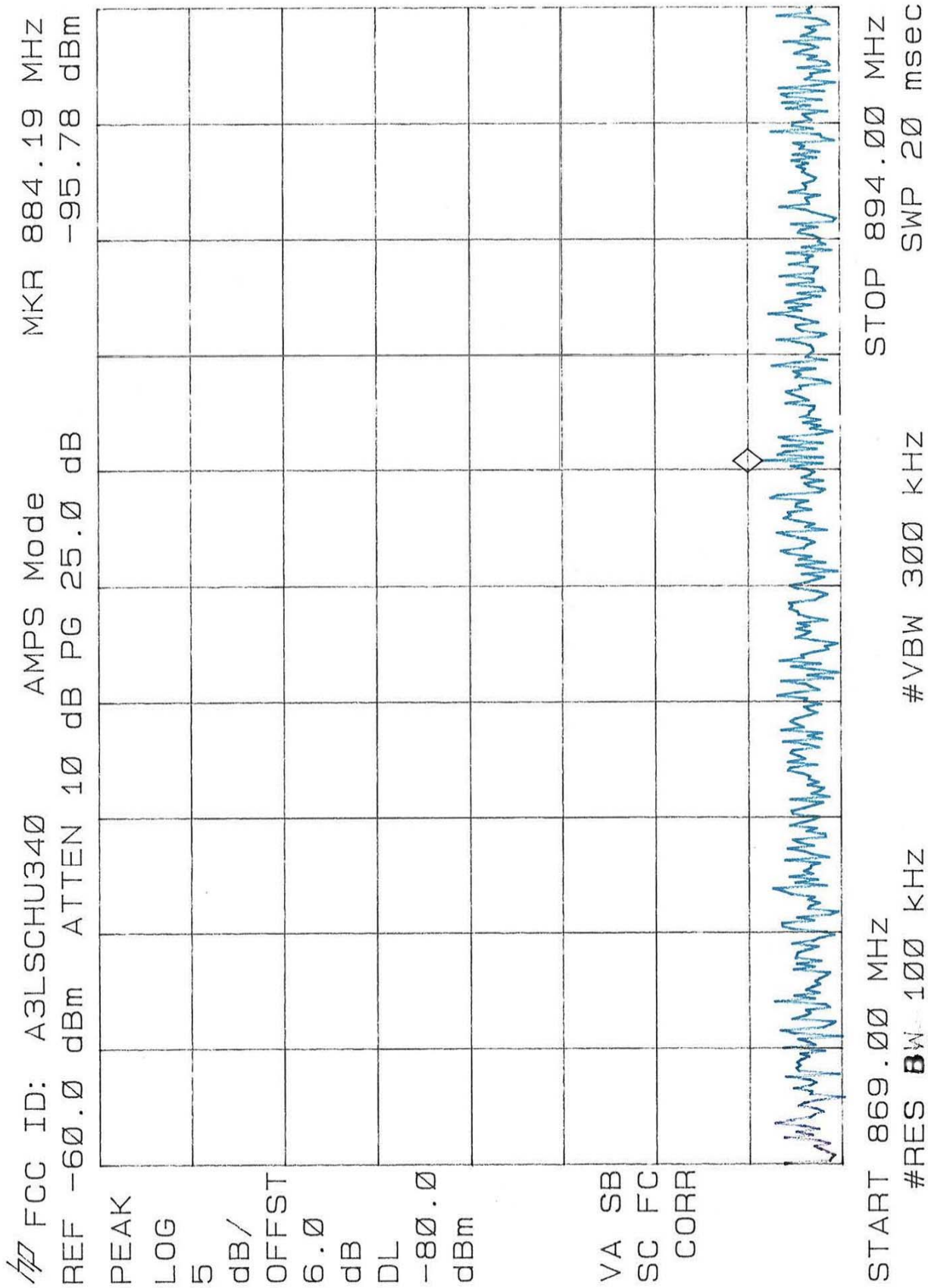
POS PK

OFFSET
1.5
dB



CENTER 836.490 MHz
RES BW 300 Hz
VBW 300 Hz
SPAN 100 kHz
SWP 3.00 sec

Ver.1.0 ©PCTEST 2006.08

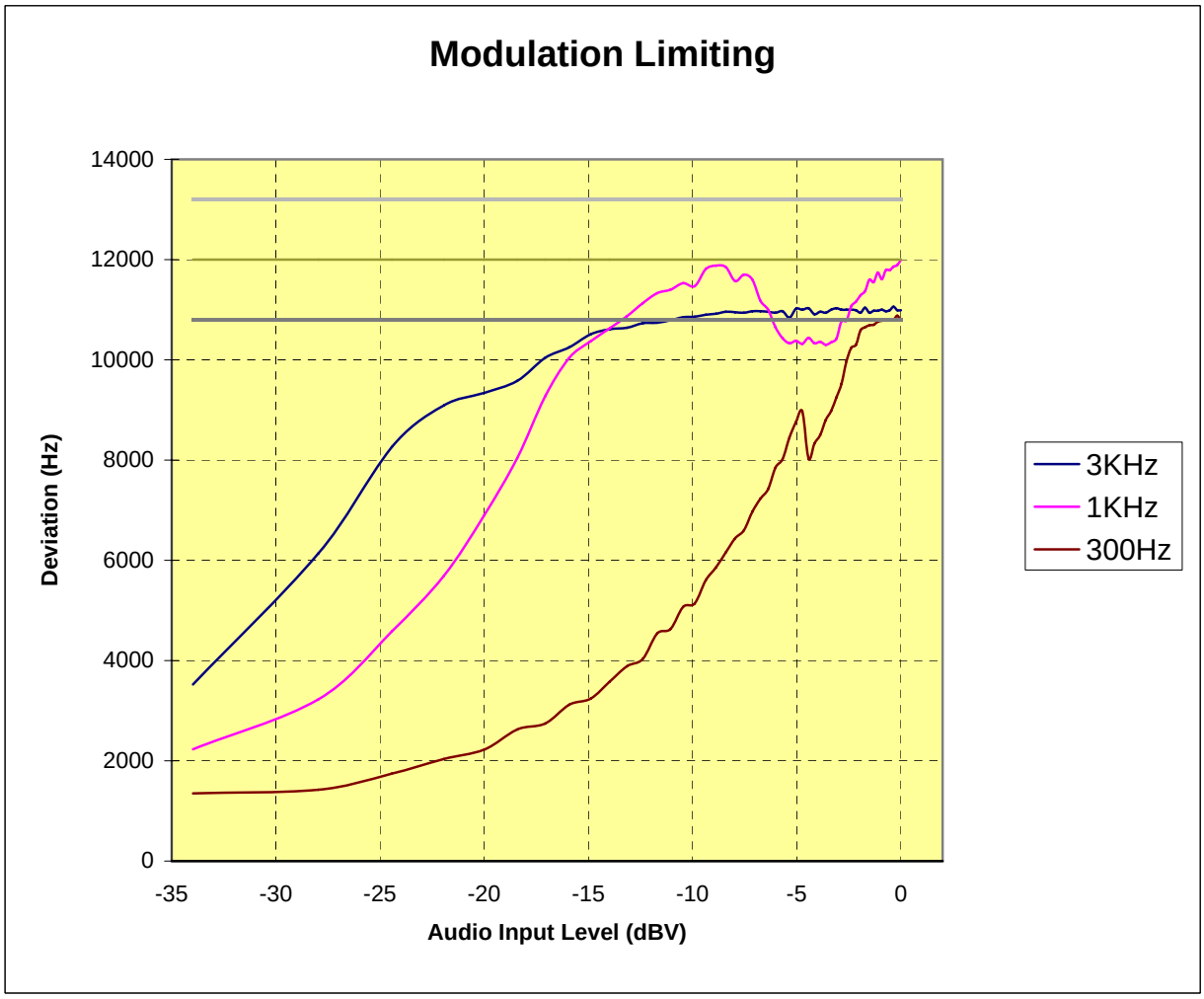


SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 0608280735
Test Date: 09.01.06

EUT: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: *SCH-U340*
FCC ID: **A3LSCHU340**

REFERENCE: 1 kHz = 0 dB

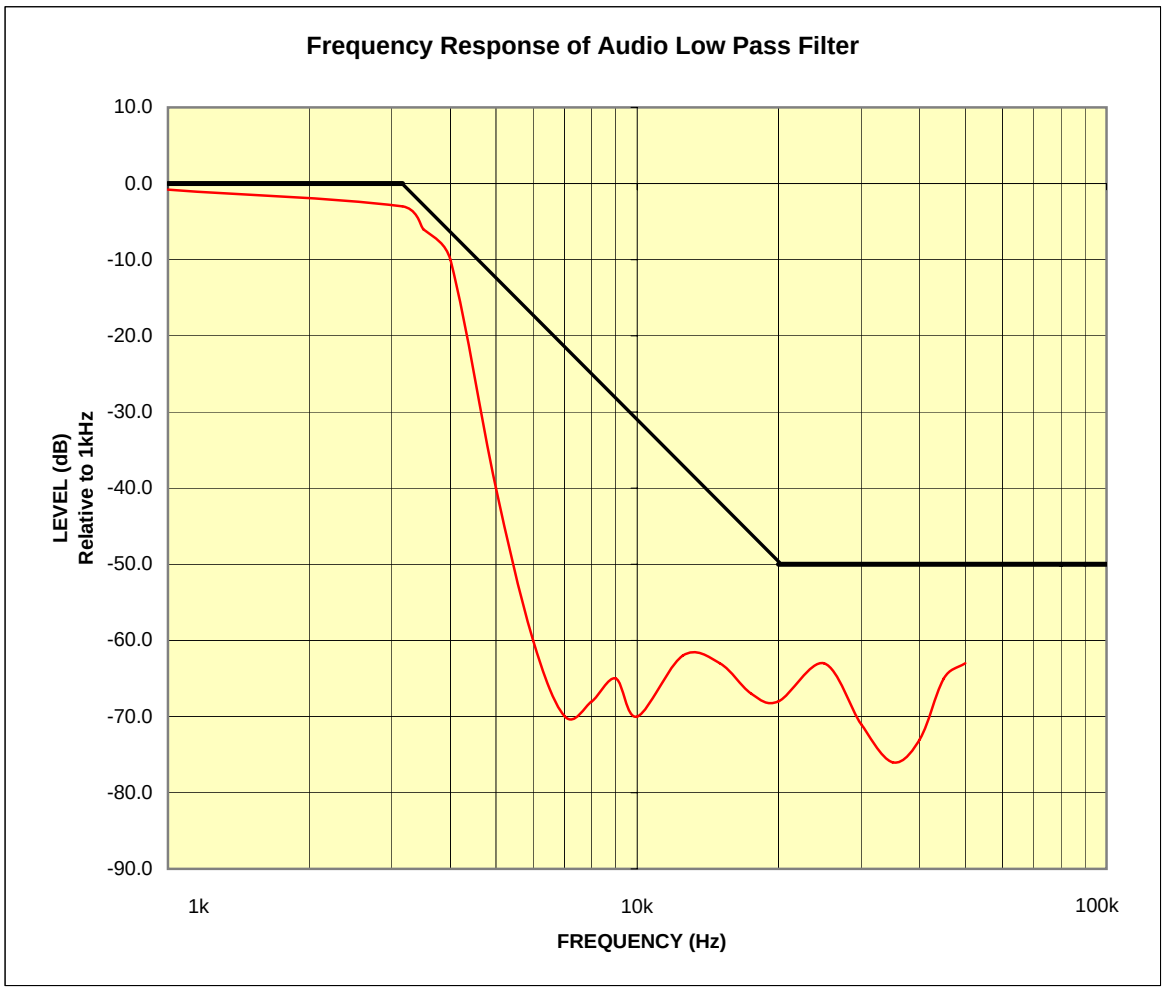


SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 0608280735
Test Date: 09.01.06

EUT: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: *SCH-U340*
FCC ID: **A3LSCHU340**

REFERENCE: 1 kHz = 0 dB



SUBJECT: Modulation Characteristics
FCC Part 24/22

Test Report No.: 0608280735
Test Date: 09.01.06

EUT: Tri-Mode Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: *SCH-U340*
FCC ID: **A3LSCHU340**

REFERENCE: 1 kHz = 0 dB