



SAMSUNG ELECTRONICS Co., Ltd.,
Regulatory Compliance Group
IT R&D Center
416 Maetan3-Dong,
Yeongtong-gu, Suwon city,
Gyeonggi-Do, Korea 443-742

FCC CFR47 PART 22 SUBPART CERTIFICATION REPORT

Model Tested: SCH-A130
Additional Model : SCH-A131, SCH-A132
SCH-A133, SCH-A134
FCC ID (Requested): A3LSCHA130
Report No: FD-006-R1
Job No: FD-006
Date issued: January 20, 2006

- Abstract -

All measurement reported herein accordance with FCC Rules, 47CFR Part2, Part22.

Prepared By

JW LEE – Test Engineer

Date

2006.01.20

Checked By

SH PARK – Senior Manager

Date

2006.01.20

Authorized By

JK CHOI – General Manager

Date

2006.01.20

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MEASUREMENT REPORT

1. FCC Certification Information

The following information is in accordance with FCC Rules, 47 CFR Part2, Subpart J, Sections 2.1033 – 2.1055.

1.1 §2.1033 General Information

- Applicant Name: SAMSUNG ELECTRONICS CO., LTD.
- Address: 416 Maetan3-Dong, Yeongtong-Gu, Suwon City
Gyeonggi-Do, Korea 443-742

- Attention: SungJoo KIM, Engineering Manager (QA Lab)

- FCC ID: A3LSCHA130

- Additional model: SCH-A131, SCH-A132, SCH-A133, SCH-A134
- Quantity: Quantity production is planned
- Emission Designators: 1M25F9W
- Tx Freq. Range: 824.70-848.31MHz
- Rx Freq. Range: 869.70-893.31 MHz
- Max. Power Rating: 0.308W ERP CDMA (24.88 dBm)
- FCC Classification(s): Licensed Portable Tx Held to Ear (PCE)
- Equipment (EUT) Type: Single-Mode Cellular Phone
- Modulation(s): CDMA
- Frequency Tolerance: $\pm 0.00025\%$ (2.5ppm)
- FCC Rule Part(s): §22(H), §2
- Dates of Test: January 17~18, 2006
- Place of Test: SAMSUNG Lab,
- Test Report S/N: FD-006-R1

3. MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

- End of page -

4. TEST EQUIPMENT LIST

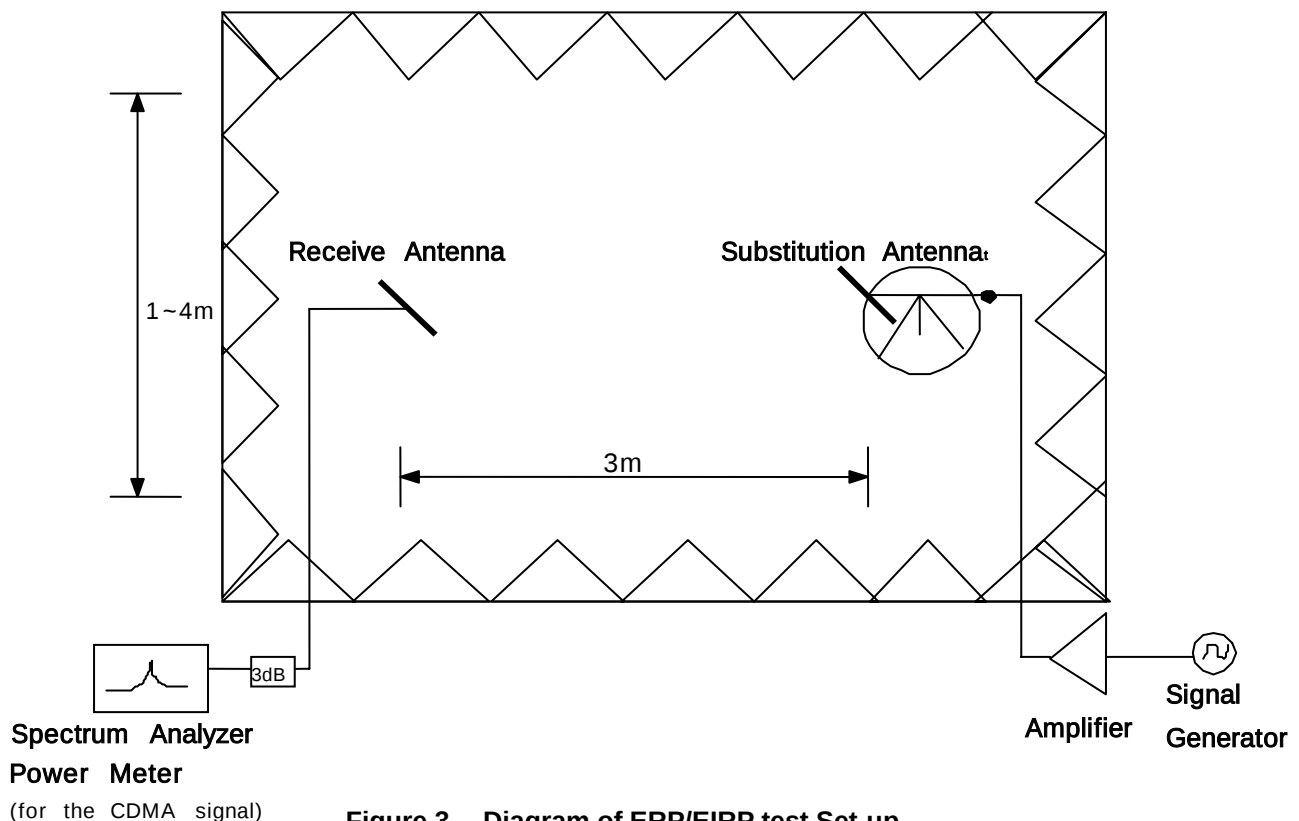
Name of Equipment	Model	Serial No.	Due Date
Spectrum Analyzer	ESI26	836119/010	2006-09-26
	E4440A(3Hz~26.5GHz)	MY41000236	2006-10-13
	E4440A(3Hz~26.5GHz)	MY41000233	2006-10-20
Signal Generator	SMIQ03B	83824/021	2006-12-07
	SMR20	835197/030	2007-01-10
Power Meter	E4419B	GB41293846	2006-09-07
Power Sensor	8481B	3318A10325	2006-09-08
	8485A	3318A19924	2006-09-08
Pre-Amplifier	8449B	3008A00691	2007-01-02
Communication test set	8960	GB42230535	2007-01-02
	8960	GB42360886	2006-10-17
Antenna Master	MA0001	ANT0967	Not Required
Controller	HD100	100/756	Not Required
Environmental Chamber	SH-241	92000548	2006-11-22
	SH-241	92000549	2006-11-22
Horn Antenna	HF906	360306/011	2006-03-17
	HF906	100134	2006-04-25
Dipole Antenna	3121C-DB4	9007-588	2006-06-04
Receive Antenna	HL040	353255/019	2006-08-24
	HL040	353255/020	2006-06-21
Attenuator	8494A	3308A31997	2006-12-19
	8496A	3308A14426	2006-12-21
Divider	11636B	51941	Not Required
	11636B	51942	Not Required
	11636B	51946	Not Required
High Pass Filter	WHK1.0/15G-10SS	1	Not Required
	WHK3.5/18G-10SS	4	Not Required
Shielded Fully Anechoic Chamber	RF0002	ANT0001	Not Required

5. DESCRIPTION OF TESTS

5.1 Effective Radiated Power

Test Set-up for the ERP/EIRP TEST

Effective Radiated Power Output and 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 Non-conducted turntable 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, an average detector is used, with RBW=VBW=3MHz, SPAN=10MHz. 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 dipole is measured. The ERP is recorded.

5.2 Radiated Spurious & Harmonic Emission

Test Set-up for the Radiated Emission TEST

Radiated Spurious Emission Measurements by Substitution Method according to
ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001

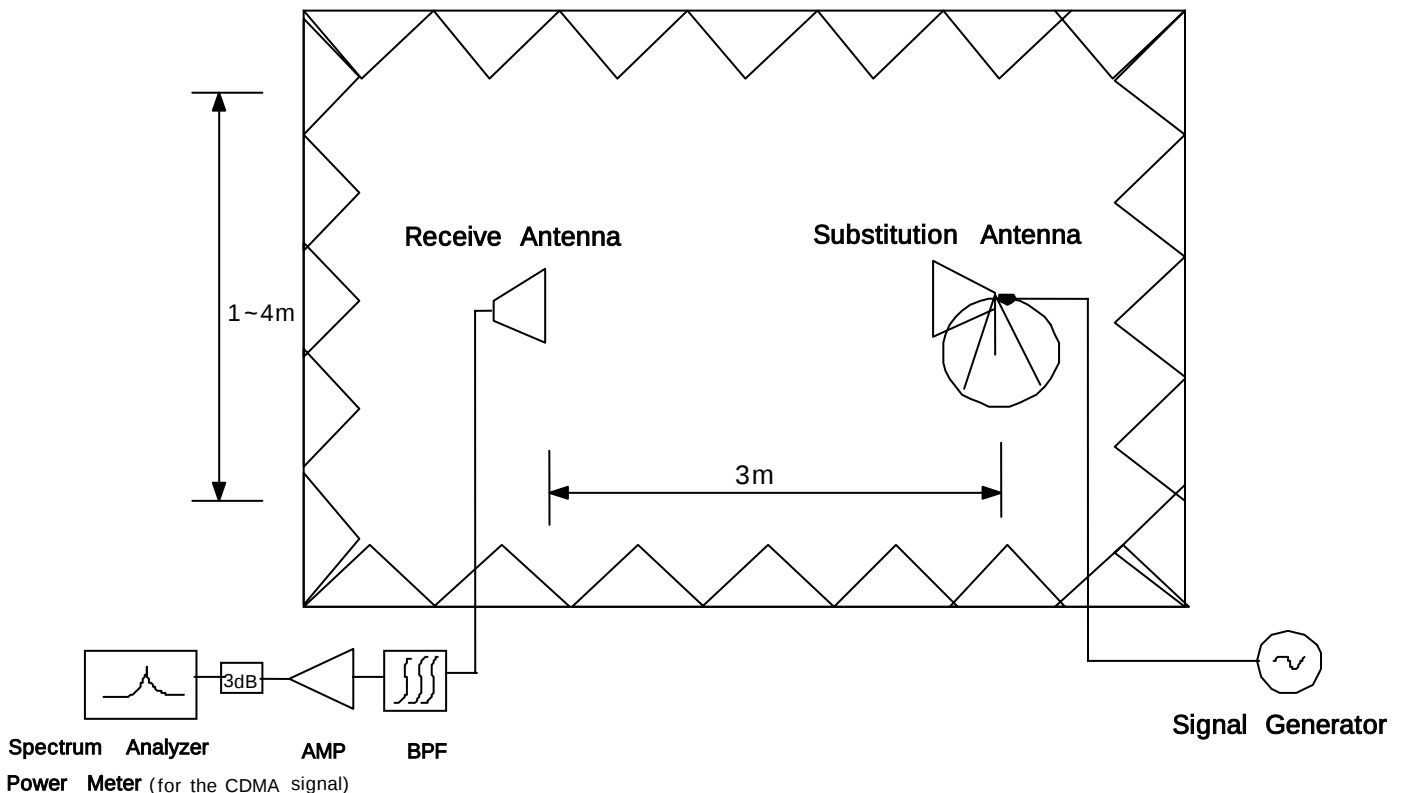


Figure 4. Diagram of Radiated Spurious & Harmonic test Set-up

The EUT was placed on a Non-conducted turntable 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. The Spectrum was investigated from 30MHz to the 10th Harmonic of the fundamental. A peak detector is used, with RBW=VBW=1MHz. The value that we could measure was only reported. 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.



SAMPLE CALCULATION

Example: Channel 384 CDMA Mode 2nd Harmonic(1673.04MHz)

The receive analyzer reading at 3meters with the EUT on the turntable was -81.0dBm . The gain of the substituted antenna is 8.1dBi . The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of -81.0dBm of the receive analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is 2.0dB at 1671.78MHz . So 6.1dB is added to the signal generator reading of -30.9dBm yielding -24.8dBm . The fundamental ERP was 25.5dBm so this harmonic was $25.5\text{dBm} - (-24.8) = 50.3\text{dBc}$.

- End of page -

5.3 Occupied Bandwidth

Test Procedure

The EUT was setup to maximum output power at its lowest channel. The occupied bandwidth was measured using a spectrum analyzer. The measurements are repeated for the highest and a middle channel. The EUT's occupied bandwidth is measured as the width of the signal between two points, one below the carrier center frequency and one above the carrier frequency, outside of which all emissions are attenuated at least 26dB below the transmitter power. Plots of the EUT's occupied bandwidth are shown herein.

5.4 Spurious and Harmonic Emissions at Antenna Terminal

5.4.1 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 1MHz 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.

BLOCK	Freq. Range (MHz) Transmitter (Tx)	Freq. Range (MHz) Receiver (Rx)
A	824 – 835	869 - 880
B	835 – 845	880 - 890
A'	845 – 846.5	890 – 891.5
B'	846.5 - 849	891.5 - 894

Table 1. CDMA Cellular Service Frequency Blocks

5.4.2 Conducted Spurious Emission

Minimum standard:

On any frequency outside a license frequency block, the power of any emission shall be attenuated below the transmitter power(P) by at least $43+10\log (P)$ dB. Limit equivalent to -13 dBm, calculation shown below.

$$43 + 10\log (0.308 \text{ W}) = 37.88 \text{ dB}$$
$$24.88\text{dBm} - 37.88\text{dB} = -13 \text{ dBm}$$

Test Procedure:

The EUT was setup to maximum output power at its lowest channel. The Resolution BW of the analyzer is set to 1% of the emission bandwidth to show compliance with the -13 dBm limit, in the 1MHz bands immediately outside and adjacent to the edge of the frequency block. The measurements are repeated for the EUT's highest channel. For the Out-of-Band measurements a 1MHz RBW was used to scan from 10MHz to 10GHz. A display line was placed at -13 dBm to show compliance. The high, lowest and a middle channel were tested for out of band measurements.

Plots are shown herein.

- End of page -

5.5 Frequency Stability / Temperature Variation

The frequency stability of the transmitter is measured by:

- a.) Temperature: The temperature is carried 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 ± 0.0001 ($\pm 1\text{ppm}$) 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 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 +60°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.

- End of page -

6. TEST DATA

6.1 Effective Radiated Power(E.R.P.)

Supply Voltage : 3.7VDC

Modulation : CDMA

■ Reference level

Frequency (MHz)	Output (dBm)	Polarization	S/A (dBm)	Ant gain (dBd)	Ref level (dBm)
824.70	22.00	H	-16.70	0.00	-16.70
		V	-16.46	0.00	-16.46
836.52	25.00	H	-13.76	0.00	-13.76
		V	-13.38	0.00	-13.38
848.31	25.00	H	-13.76	0.00	-13.76
		V	-13.38	0.00	-13.38

■ Result

Frequency (MHz)	From EUT Tested level (dBm)	Polarization (H/V)	Azimuth (angle)	ERP (dBm)	ERP (W)	Battery
824.70	-16.61	H1	178	22.09	0.162	Standard
836.52	-13.88	H1	176	24.88	0.308	Standard
848.31	-14.00	H1	180	24.76	0.299	Standard

NOTE : Standard batteries are the only battery options for this phone

Radiated measurements at 3 meters by Substitution Method

6.2 Radiated Spurious & Harmonic measurement

Field Strength of SPURIOUS Radiation

Operating Frequency : 824.70 MHz(Low), 836.52MHz(Middle), 848.31MHz(High)

Measured Output Power : 24.88 dBm = 0.308 W

Modulation Signal : CDMA

Limit : $43 + 10\log_{10}(P) = 37.88$ dBc

■ Result

Channel	Harmonic	Frequency (MHz)	From EUT Tested level (dBm)	POL (H/V)	Result (dBc)
1013	2	1649.40	-47.00	H2	59.79
	3	2474.10	-53.76	H1	61.51
	4	3298.80	-57.15	H1	59.91
	5	4123.50	-66.13	H2	68.07
	6	4948.20	-	-	-
	7	5772.90	-	-	-
384	2	1673.04	-52.62	H2	64.92
	3	2509.56	-60.05	V	66.47
	4	3346.08	-60.55	H1	63.53
	5	4182.68	-68.88	V	67.91
	6	5019.12	-	-	-
	7	5855.64	-	-	-
777	2	1696.62	-49.81	H1	60.41
	3	2544.93	-52.93	H1	60.17
	4	3393.24	-51.00	H1	54.85
	5	4241.55	-68.07	V	67.48
	6	5089.86	-	-	-
	7	5938.17	-	-	-

Radiated Spurious Emission measurements at 3 meters by Substitution Method

6.3 Radiated Spurious & Harmonic Conversion Table

Date : 2006 . 01. 17

Test Engineer : YE PARK

Tx Cable loss
 Tx Horn Ant Gain
 Rx Cable loss + HPF Insertion loss + Attenuator
 Pre-Amp gain
 Air loss
 Tested Level from EUT
 = + + -
 = ERP +2.14-

CH	Har	Frequency (MHz)	Tx CL (dB)	Horn Gain (dB)	Tx Level @ (S/G 0dBm)	Tested Level EUT : H (dBm)	Tested Level EUT : V (dBm)	Amplitude of Emission EUT : H (dBm)	Amplitude of Emission EUT : V (dBm)	Result EUT : H (dBc)	Result EUT : V (dBc)
1013	2	1649.40	6.91	8.03	1.12	-47.00	-52.49	-32.77	-38.01	59.79	65.03
	3	2474.10	9.07	9.55	0.48	-53.76	-57.91	-34.49	-37.93	61.51	64.95
	4	3298.80	11.11	9.64	-1.47	-57.15	-61.05	-32.89	-37.32	59.91	64.34
	5	4123.50	13.18	10.67	-2.51	-67.52	-68.42	-41.05	-41.20	68.07	68.22
	6	4948.20	14.51	11.05	-3.46	-	-	-	-	-	-
	7	5772.90	15.87	11.23	-4.64	-	-	-	-	-	-
384	2	1673.04	7.06	8.03	0.97	-52.62	-56.52	-37.90	-41.48	64.92	68.50
	3	2509.56	9.27	9.55	0.28	-59.48	-60.05	-39.72	-39.45	66.74	66.47
	4	3346.08	11.10	9.64	-1.46	-60.55	-63.34	-36.51	-39.22	63.53	66.24
	5	4182.68	13.05	10.67	-2.38	-68.13	-68.88	-41.22	-40.89	68.24	67.91
	6	5019.12	14.82	11.05	-3.77	-	-	-	-	-	-
	7	5855.64	16.15	11.23	-4.92	-	-	-	-	-	-
777	2	1696.62	7.11	8.03	0.92	-49.81	-53.16	-33.39	-36.64	60.41	63.66
	3	2544.93	9.47	9.55	0.08	-52.93	-55.40	-33.15	-34.54	60.17	61.56
	4	3393.24	11.31	9.64	-1.67	-51.00	-53.02	-27.83	-29.07	54.85	56.09
	5	4241.55	13.00	10.67	-2.33	-67.82	-68.07	-41.79	-40.46	68.81	67.48
	6	5089.86	14.97	11.05	-3.92	-	-	-	-	-	-
	7	5938.17	17.05	11.23	-5.82	-	-	-	-	-	-

6.4 Frequency Stability

6.4.1 Frequency Stability Table

Operating Frequency : 836,520,000 Hz

Channel : 384

Reference Voltage : 3.7VDC

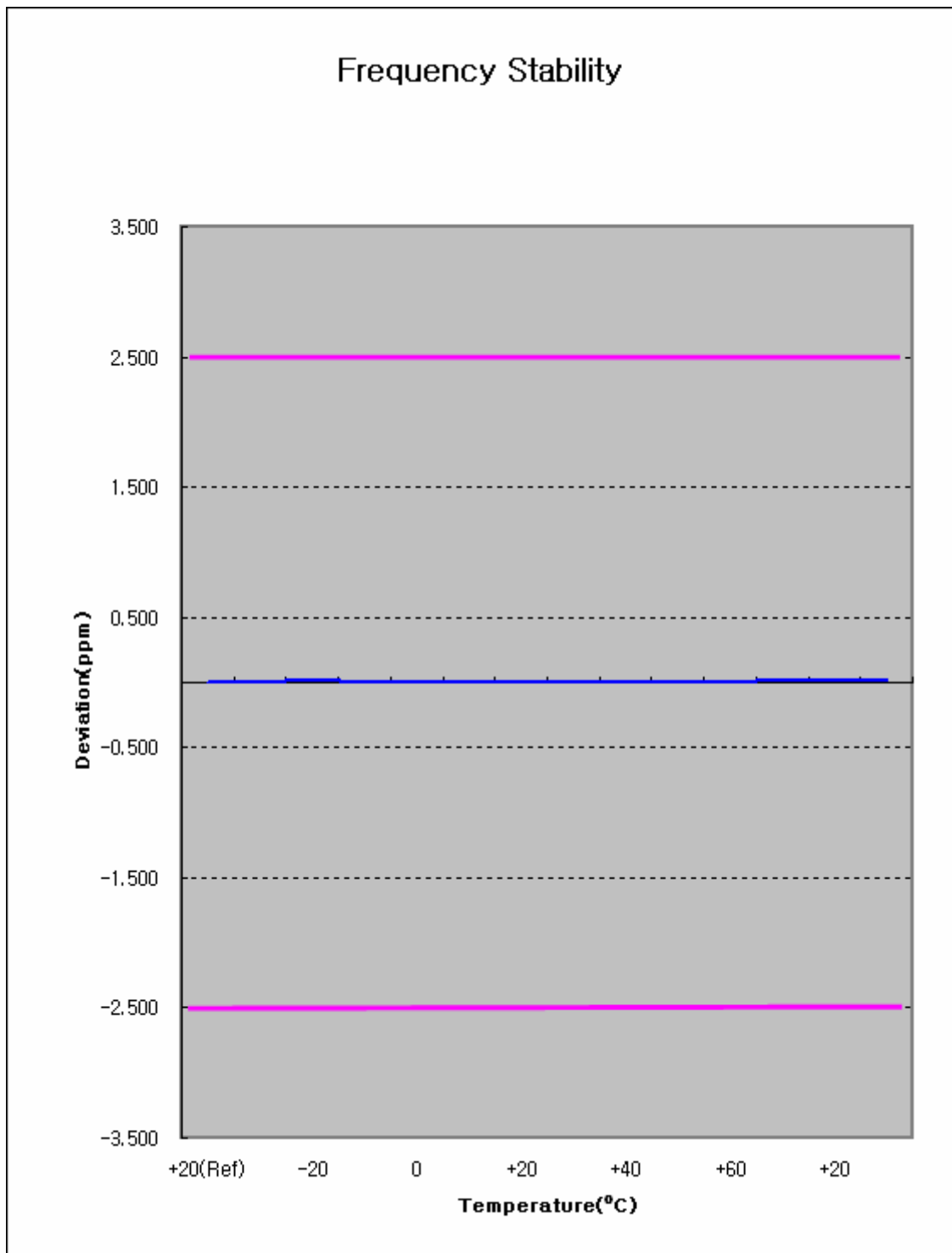
Deviation Limit : ± 0.00025 % or 2.5ppm

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency Error (Hz)	Frequency (Hz)	Deviation (%)	ppm
100%	3.70	+20(Ref)	4.98	836,520,005	0.000001	0.006
100%		-30	4.97	836,520,005	0.000001	0.006
100%		-20	5.60	836,520,006	0.000001	0.007
100%		-10	4.59	836,520,005	0.000001	0.005
100%		0	5.26	836,520,005	0.000001	0.006
100%		+10	4.46	836,520,004	0.000001	0.005
100%		+20	4.98	836,520,005	0.000001	0.006
100%		+30	3.44	836,520,003	0.000000	0.004
100%		+40	-3.29	836,519,997	0.000000	-0.004
100%		+50	3.50	836,520,004	0.000000	0.004
100%		+60	4.94	836,520,005	0.000001	0.006
85%	3.30	+20	6.14	836,520,006	0.000001	0.007
115%	4.26	+20	5.81	836,520,006	0.000001	0.007
Batt.Endpoint	3.30	+20	6.14	836,520,006	0.000001	0.007

Note : The temperature is varied from -30 °C to +60 °C using an environmental chamber.

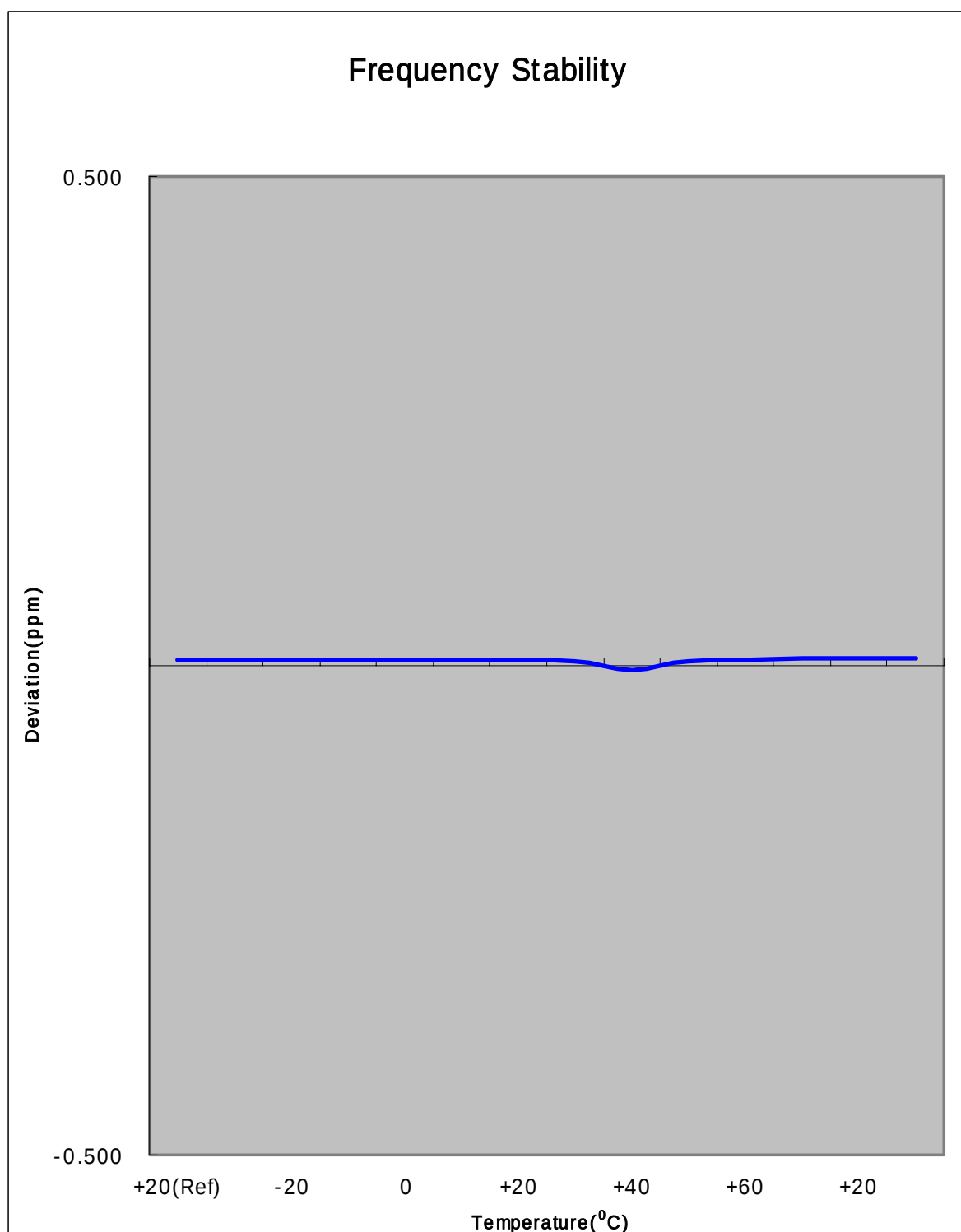
The EUT is tested down to the battery end point

6.4.2 Frequency Stability Graph



- End of page -

Zoom In



- End of page -

7. SAMPLE CALCULATION

7.1 Emission Designator

Emission Designator = 1M25F9W

Calculation : 2M + 2DK

CDMA BW = 1.25MHz

F = Frequency Modulation

9 = Composite Digital Info

W = Combination(Audio/Data)

(Measured at the 99.75% power bandwidth)

- End of page -



8. CONCLUSION

The data collected shows that the SAMSUNG Single-Mode Cellular Phone.
FCC ID : A3LSCHA130 complies with all the requirements of Parts 2,22 of the FCC Rules.

- End of page -

9. TEST PLOTS

- End of page -

Ch Freq 824.7 MHz Trig Free
Channel Power

Center Freq
824.700000 MHz

Start Freq
823.200000 MHz

Stop Freq
826.200000 MHz

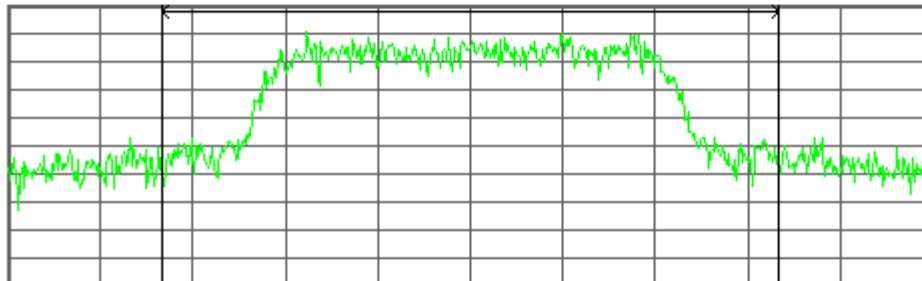
CF Step
300.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

FCC ID:A3LSCHA130 Power Out Ch.1013
Ref 25 dBm Atten 40 dB

#Avg
Log
10
dB/
Offst
1.28
dB



Center 824.700 MHz Span 3 MHz
#Res BW 30 kHz #VBW 300 kHz #Sweep 20 ms (601 pts)

Channel Power Power Spectral Density
24.98 dBm /2.0000 MHz -38.03 dBm/Hz

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Ch Freq 836.52 MHz Trig Free
Channel Power

Center Freq
836.520000 MHz

Start Freq
835.020000 MHz

Stop Freq
838.020000 MHz

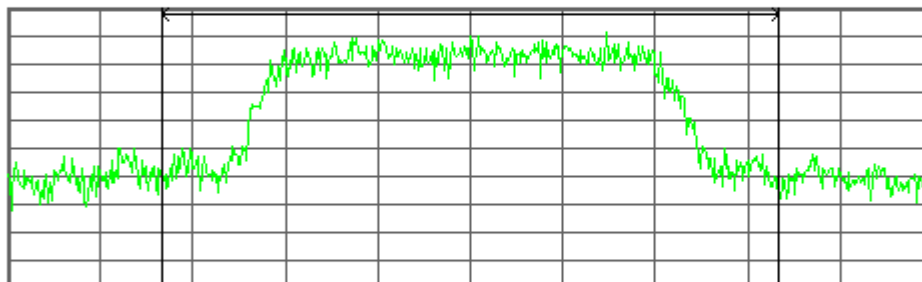
CF Step
300.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

FCC ID:A3LSCHA130 Power Out Ch.0384
Ref 25 dBm Atten 40 dB

#Avg
Log
10
dB/
Offst
1.28
dB



Center 836.520 MHz Span 3 MHz
#Res BW 30 kHz #VBW 300 kHz #Sweep 20 ms (601 pts)

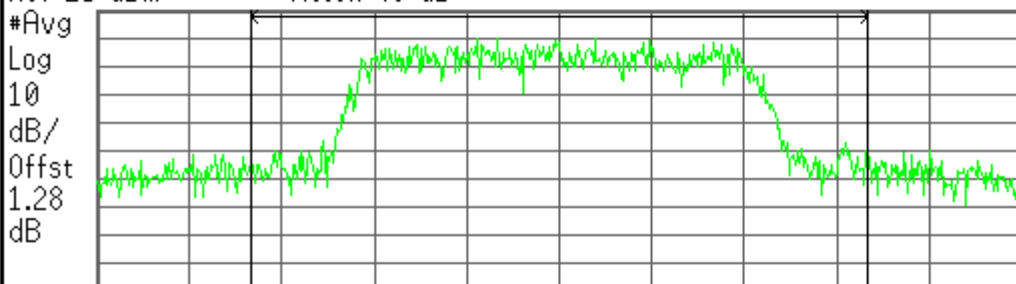
Channel Power Power Spectral Density
25.01 dBm /2.0000 MHz -38.00 dBm/Hz

Copyright 2000-2004 Agilent Technologies

Ch Freq 848.31 MHz		Trig Free	
Channel Power			

FCC ID:A3LSCHA130 Power Out Ch.0777

Ref 25 dBm Atten 40 dB



Center 848.310 MHz

Span 3 MHz

#Res BW 30 kHz

#VBW 300 kHz

#Sweep 20 ms (601 pts)

Channel Power

Power Spectral Density

24.99 dBm /2.0000 MHz

-38.02 dBm/Hz

Freq/Channel

Center Freq

848.310000 MHz

Start Freq

846.810000 MHz

Stop Freq

849.810000 MHz

CF Step

300.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

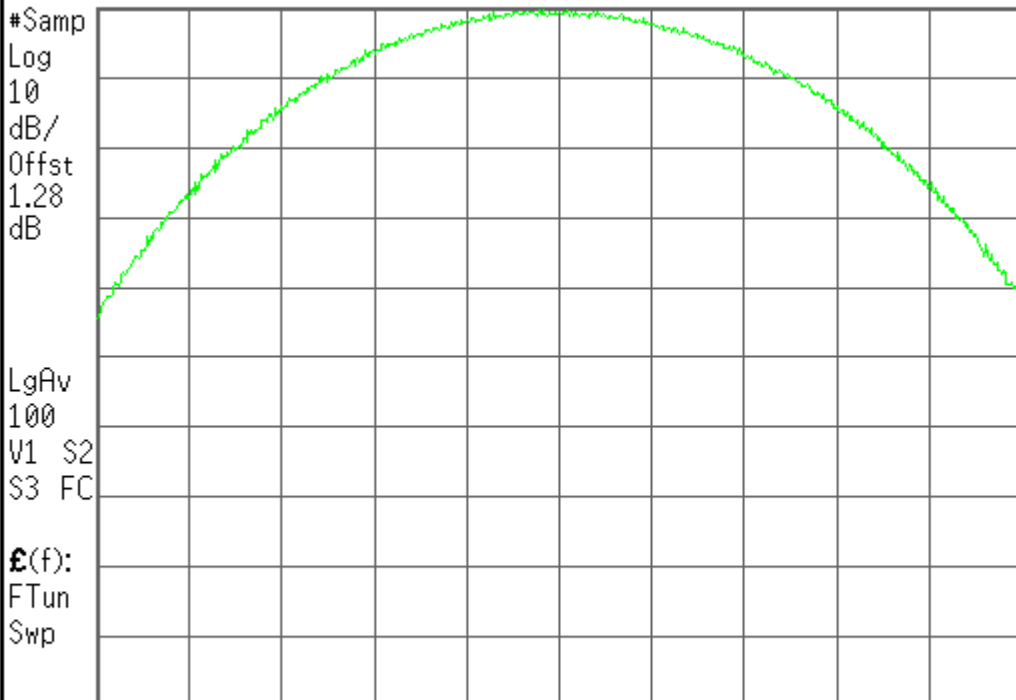
Signal Track

On

Off

Copyright 2000-2004 Agilent Technologies

FCC ID:A3LSCHA130 Power Out Ch.1013	
Ref 25 dBm Atten 40 dB	



Center 824.70 MHz

Span 10 MHz

#Res BW 3 MHz

VBW 3 MHz

#Sweep 1 ms (601 pts)

Copyright 2000-2004 Agilent Technologies

Freq/Channel

Center Freq

824.700000 MHz

Start Freq

819.700000 MHz

Stop Freq

829.700000 MHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

FCC ID:A3LSCHA130 Power Out Ch.0384

Ref 25 dBm

Atten 40 dB

#Samp

Log

10

dB/

Offst

1.28

dB

LgAv

100

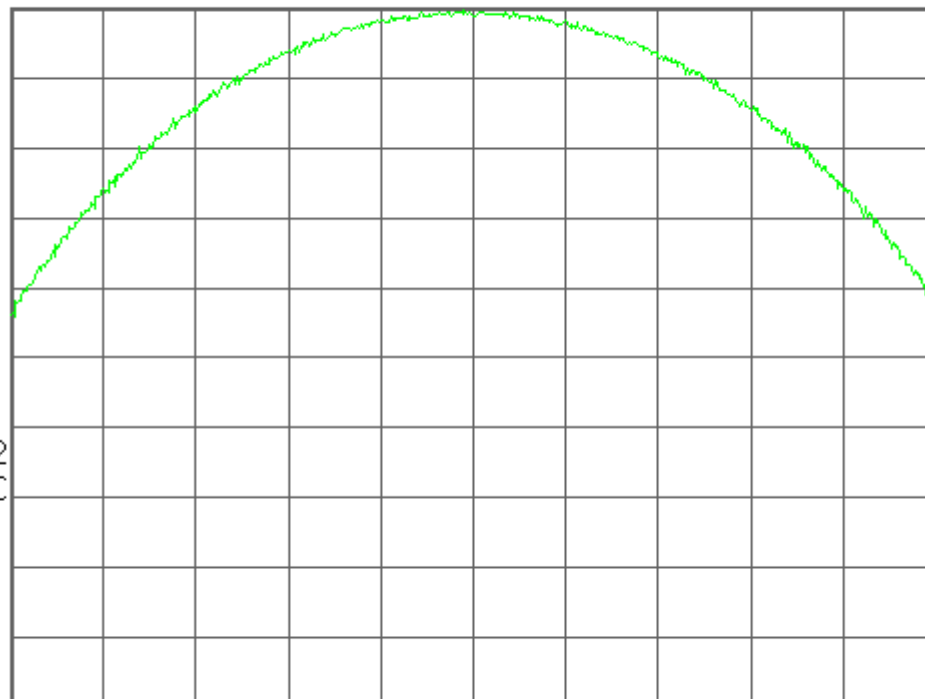
V1 S2

S3 FC

$\mathcal{E}(f)$:

FTun

Swp



Center 836.52 MHz

Span 10 MHz

#Res BW 3 MHz

VBW 3 MHz

#Sweep 1 ms (601 pts)

Center Freq

836.520000 MHz

Start Freq

831.520000 MHz

Stop Freq

841.520000 MHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Copyright 2000-2004 Agilent Technologies

FCC ID:A3LSCHA130 Power Out Ch.0777

Ref 25 dBm

Atten 40 dB

#Samp

Log

10

dB/

Offst

1.28

dB

LgAv

100

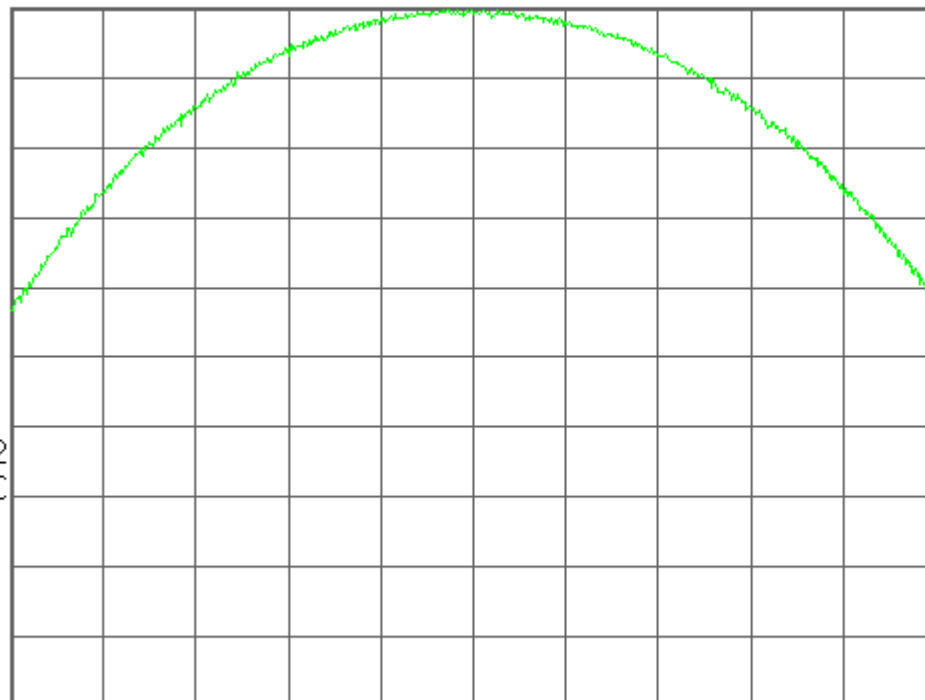
V1 S2

S3 FC

$\mathcal{E}(f)$:

FTun

Swp



Center 848.31 MHz

Span 10 MHz

#Res BW 3 MHz

VBW 3 MHz

#Sweep 1 ms (601 pts)

Center Freq

848.310000 MHz

Start Freq

843.310000 MHz

Stop Freq

853.310000 MHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

Copyright 2000-2004 Agilent Technologies

Ch Freq 824.7 MHz Trig Free
 Occupied Bandwidth

Center Freq
 824.700000 MHz

Start Freq
 823.200000 MHz

Stop Freq
 826.200000 MHz

CF Step
 300.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

FCC ID:A3LSCHA130 0BW Ch.1013

Ref 25 dBm Atten 40 dB

#Samp

Log

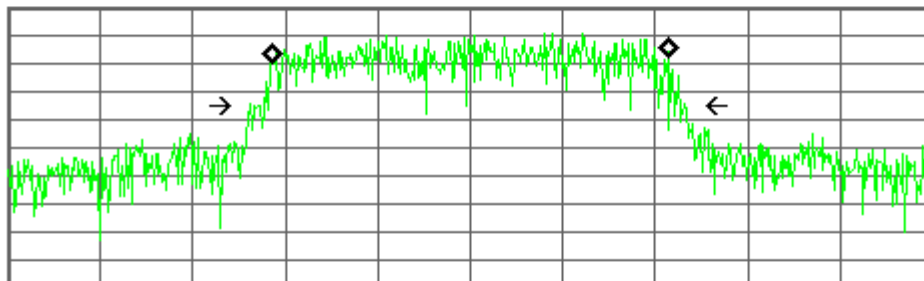
10

dB/

Offst

1.28

dB



Center 824.700 MHz

Span 3 MHz

#Res BW 30 kHz

#VBW 300 kHz

#Sweep 20 ms (601 pts)

Occupied Bandwidth

1.2788 MHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error -877.267 Hz

x dB Bandwidth 1.414 MHz*

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Ch Freq 836.52 MHz Trig Free
 Occupied Bandwidth

Center Freq
 836.520000 MHz

Start Freq
 835.020000 MHz

Stop Freq
 838.020000 MHz

CF Step
 300.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

FCC ID:A3LSCHA130 0BW Ch.0384

Ref 25 dBm Atten 40 dB

#Samp

Log

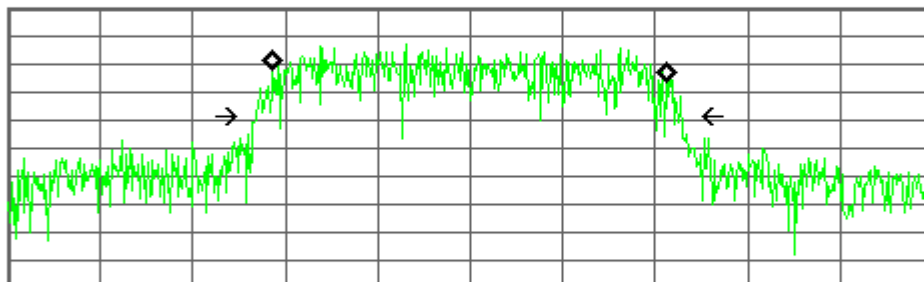
10

dB/

Offst

1.28

dB



Center 836.520 MHz

Span 3 MHz

#Res BW 30 kHz

#VBW 300 kHz

#Sweep 20 ms (601 pts)

Occupied Bandwidth

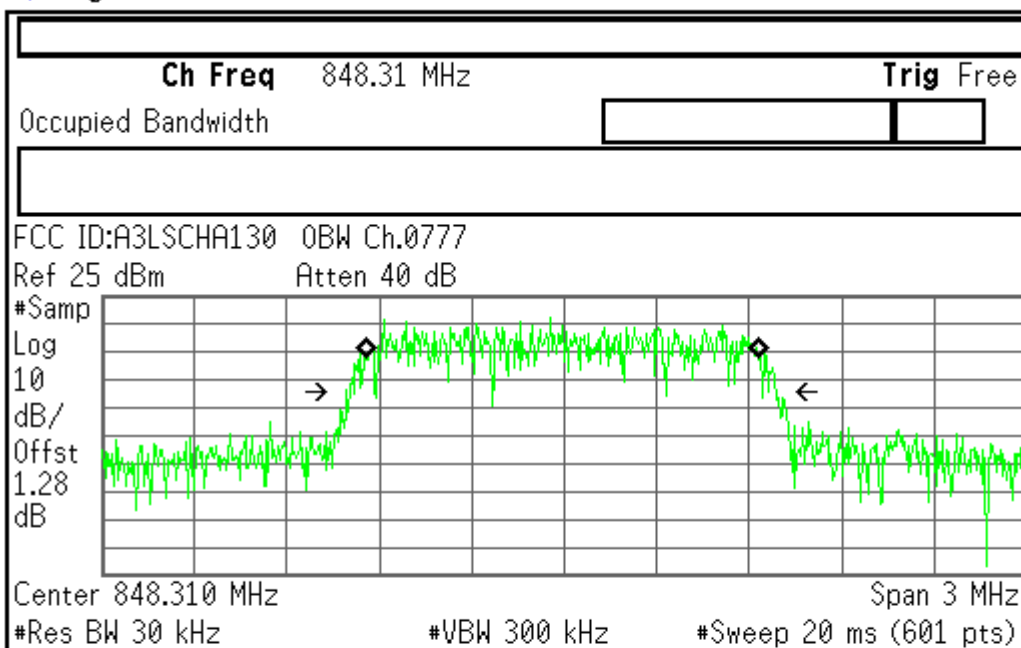
1.2770 MHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error -1.351 kHz

x dB Bandwidth 1.384 MHz*

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Occupied Bandwidth

1.2783 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -7.144 kHz
x dB Bandwidth 1.394 MHz*

Freq/Channel

Center Freq
848.310000 MHz

Start Freq
846.810000 MHz

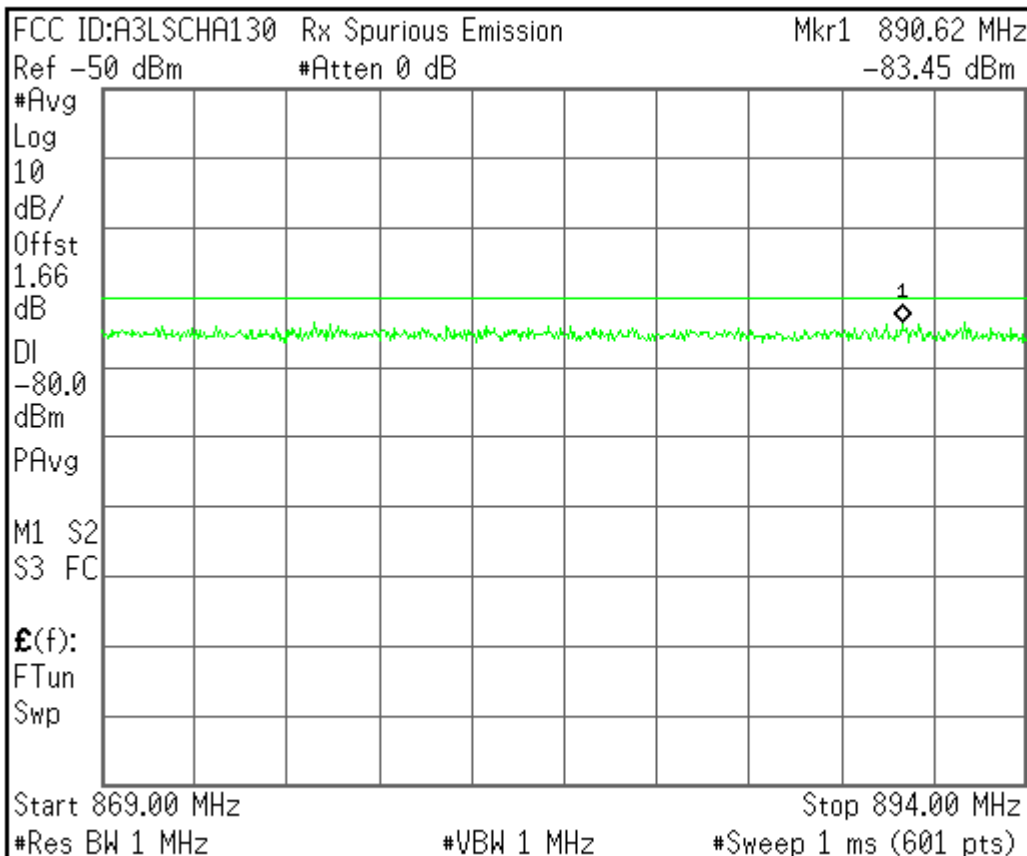
Stop Freq
849.810000 MHz

CF Step
300.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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Freq/Channel

Center Freq
881.500000 MHz

Start Freq
869.000000 MHz

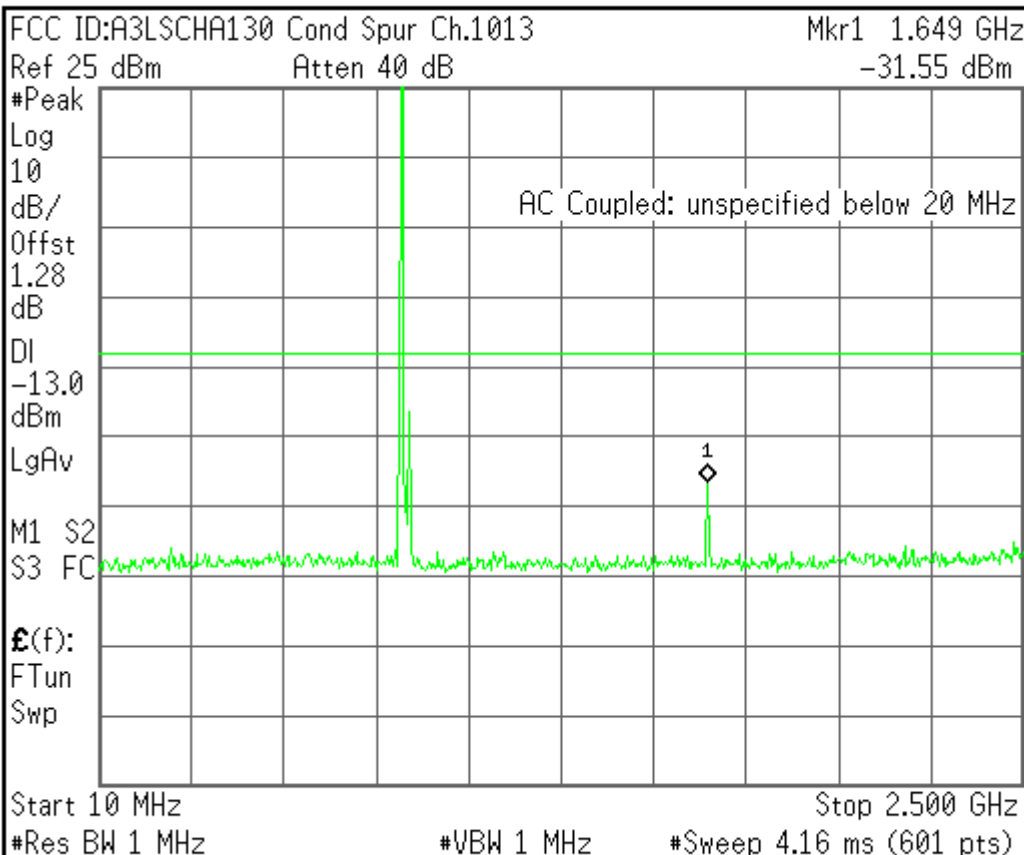
Stop Freq
894.000000 MHz

CF Step
2.50000000 MHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

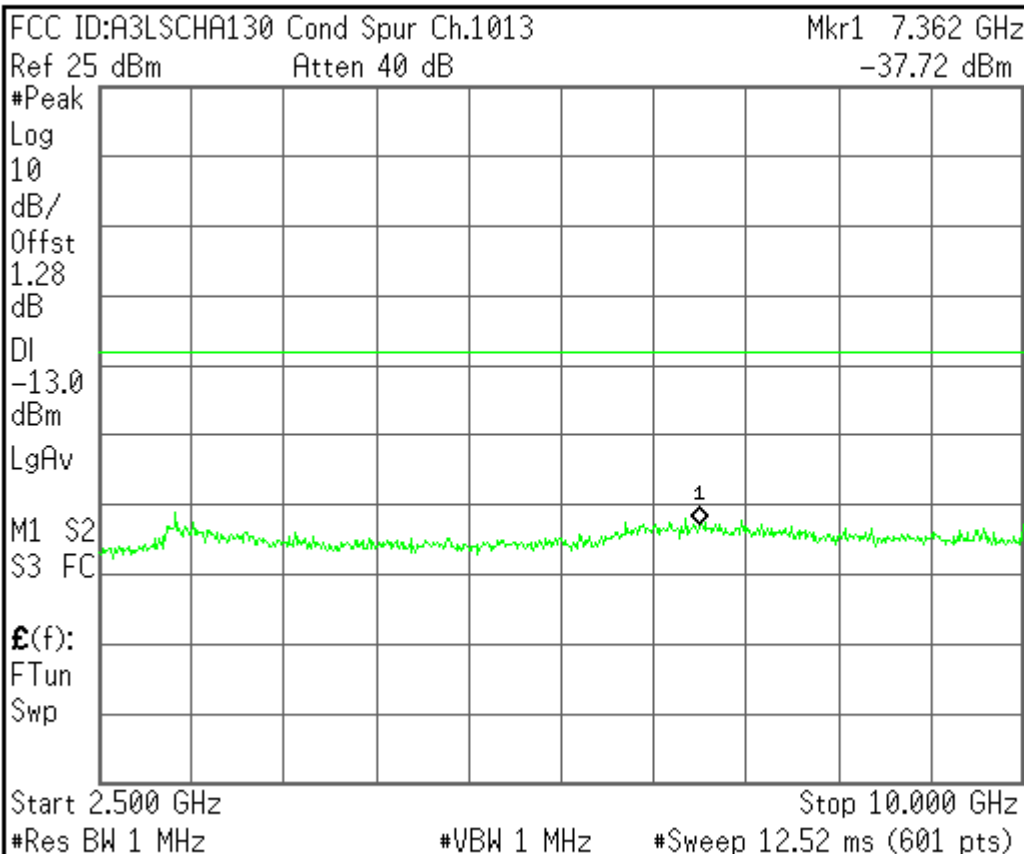
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

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Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

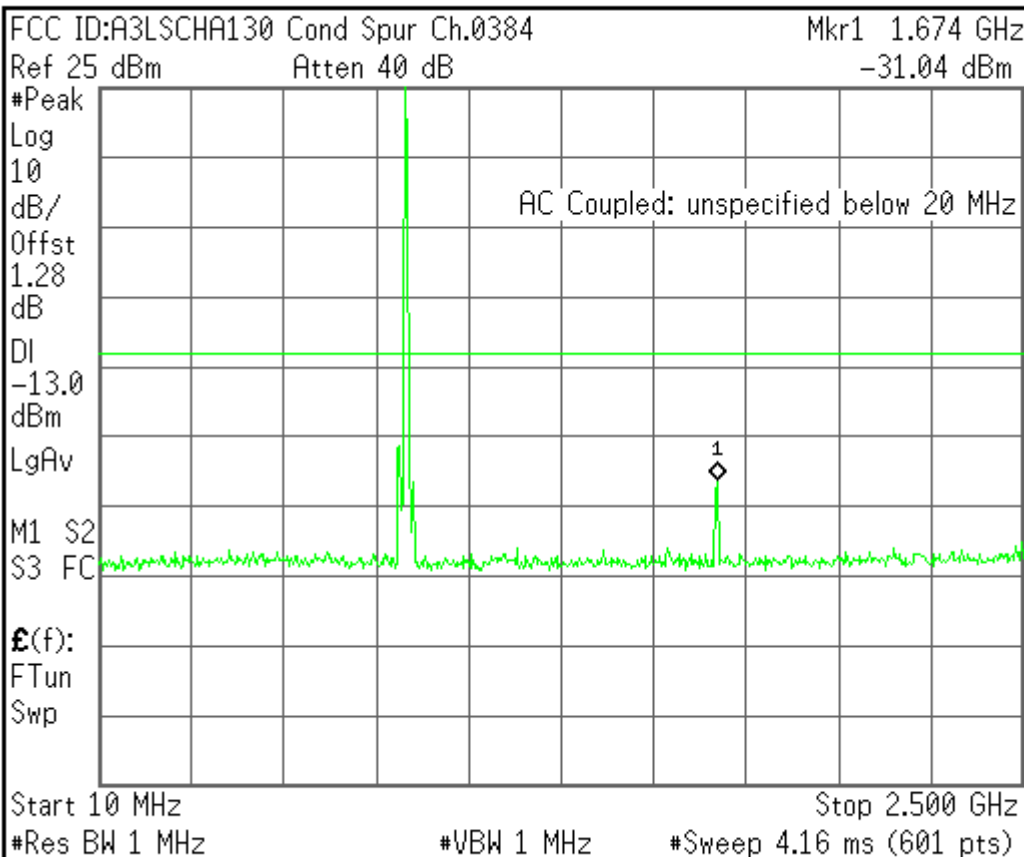
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

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Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

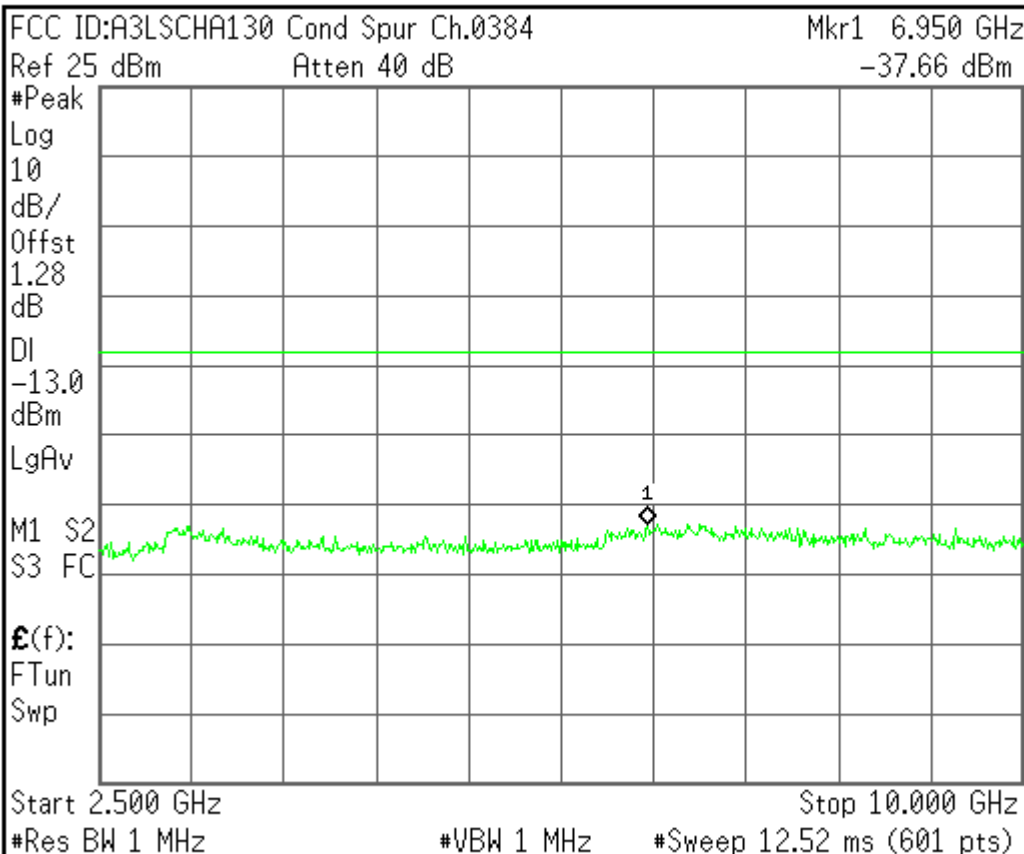
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

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Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

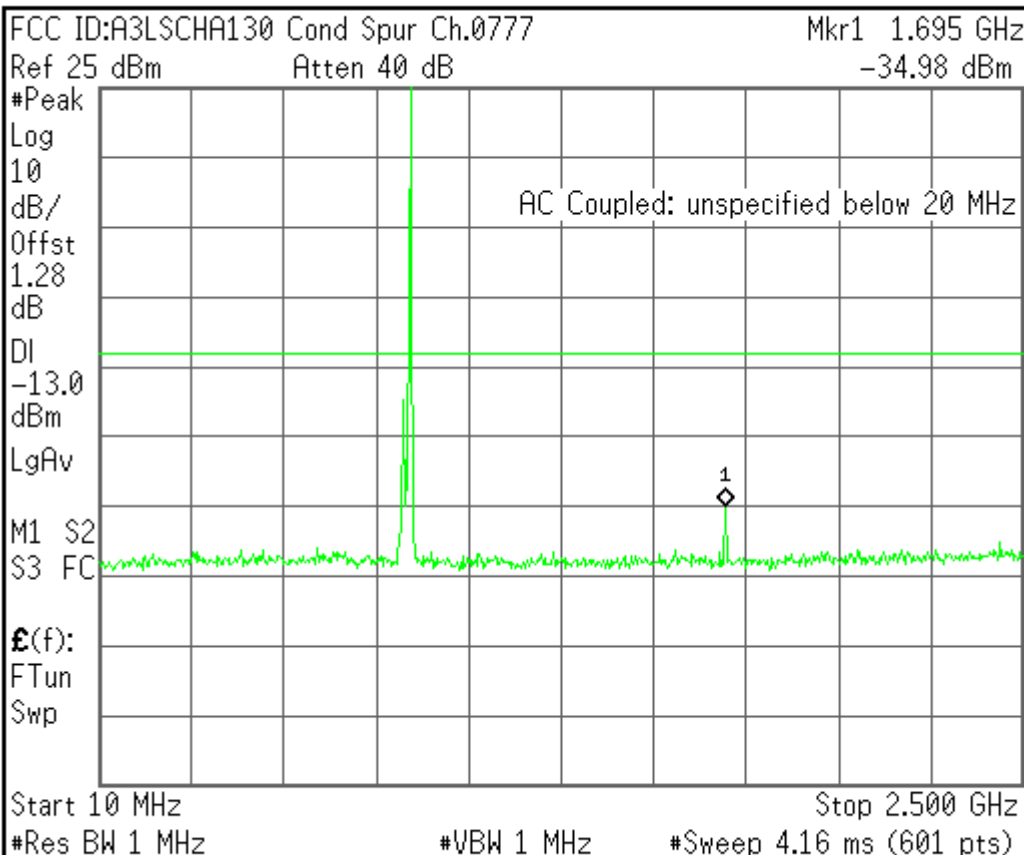
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

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Freq/Channel

Center Freq
 1.25500000 GHz

Start Freq
 10.0000000 MHz

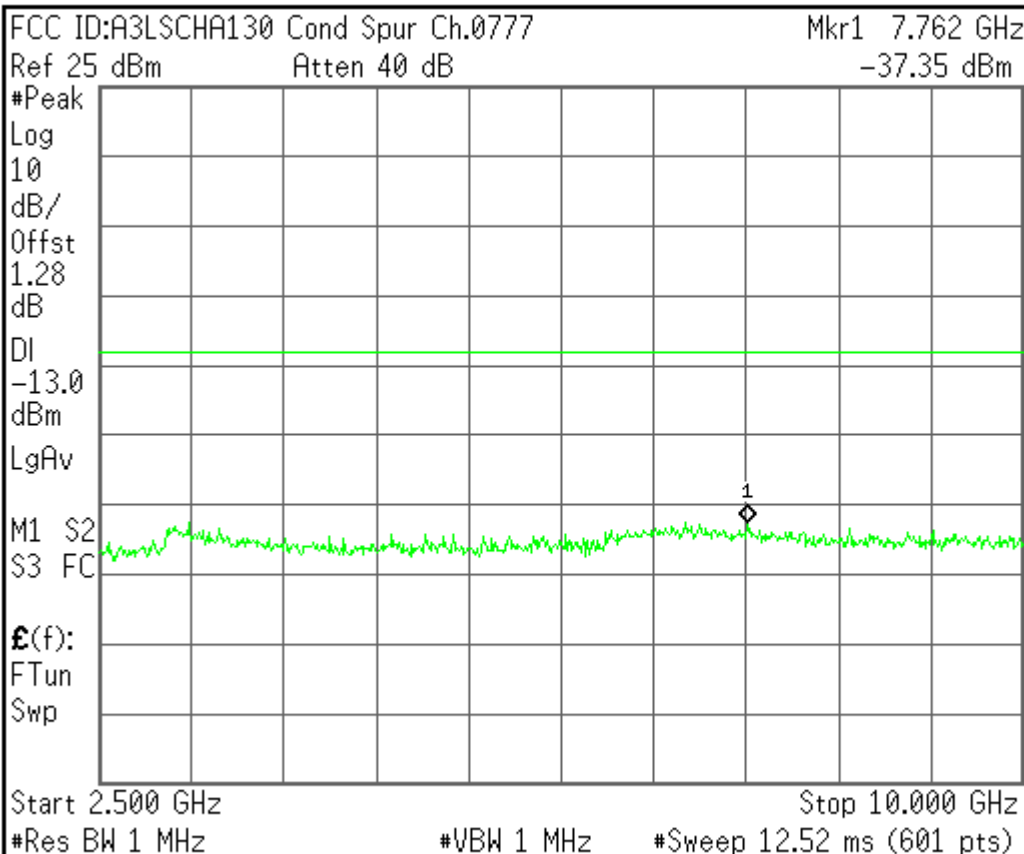
Stop Freq
 2.50000000 GHz

CF Step
 249.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

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Freq/Channel

Center Freq
 6.25000000 GHz

Start Freq
 2.50000000 GHz

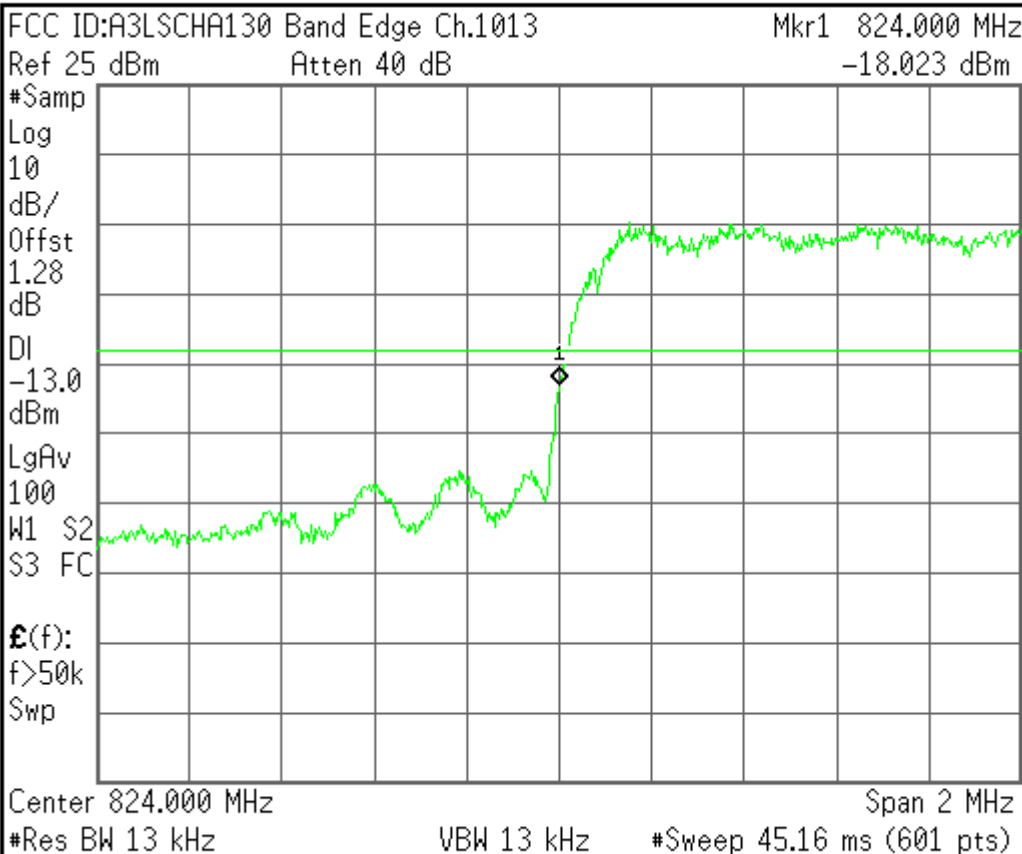
Stop Freq
 10.0000000 GHz

CF Step
 750.000000 MHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

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Freq/Channel

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

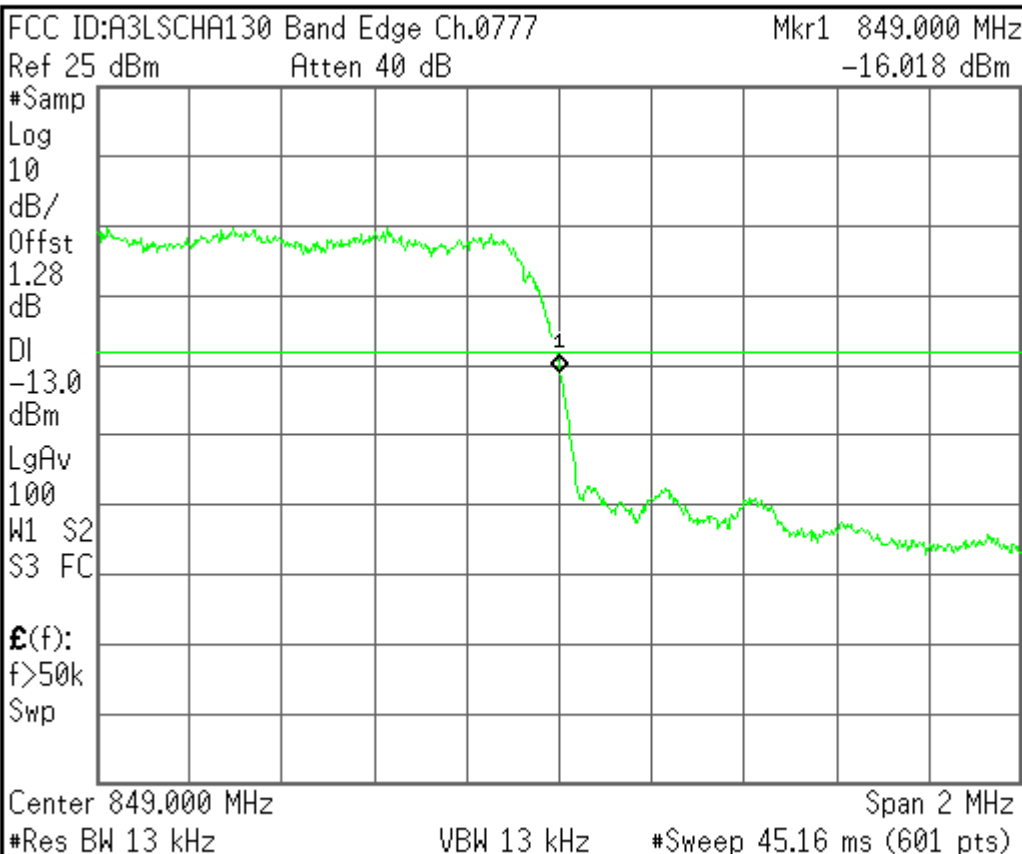
Stop Freq
825.000000 MHz

CF Step
200.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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Freq/Channel

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

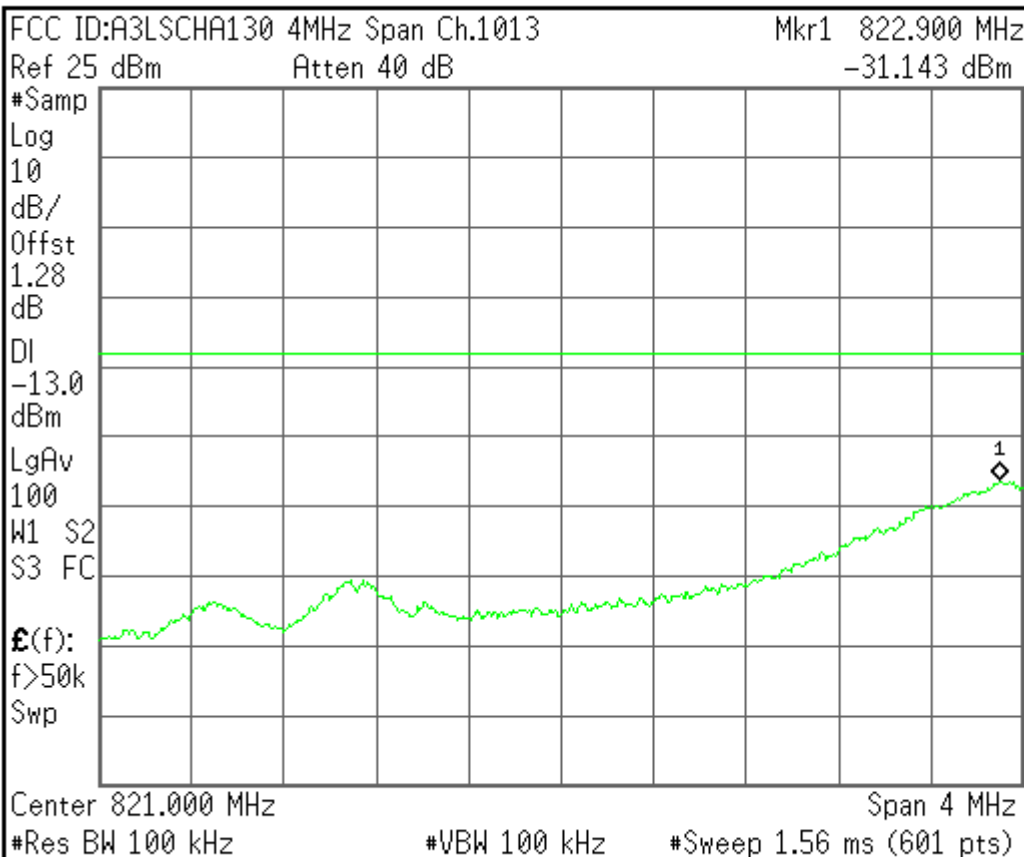
Stop Freq
850.000000 MHz

CF Step
200.000000 kHz
Auto Man

Freq Offset
0.00000000 Hz

Signal Track
On Off

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Freq/Channel

Center Freq
 821.000000 MHz

Start Freq
 819.000000 MHz

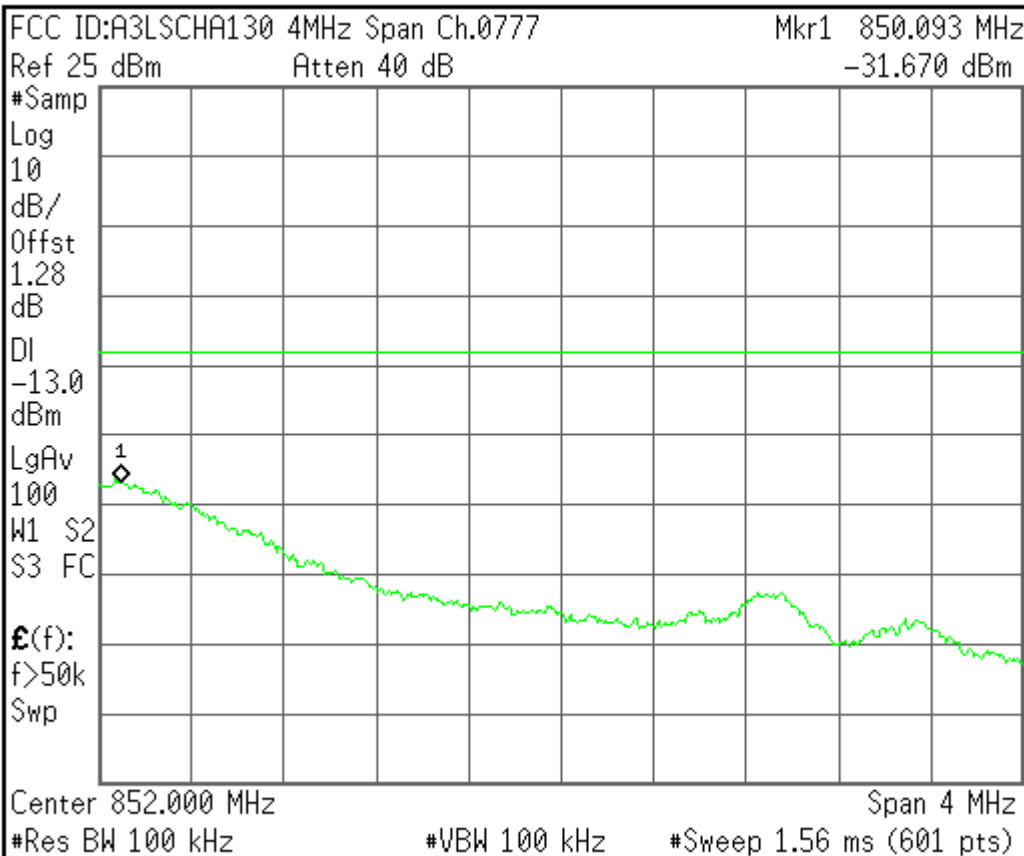
Stop Freq
 823.000000 MHz

CF Step
 400.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

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Freq/Channel

Center Freq
 852.000000 MHz

Start Freq
 850.000000 MHz

Stop Freq
 854.000000 MHz

CF Step
 400.000000 kHz
 Auto Man

Freq Offset
 0.00000000 Hz

Signal Track
 On Off

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