



SAMSUNG ELECTRONICS Co., Ltd.,  
Regulatory Compliance Group  
IT R&D Center  
416, Maetan-3Dong,  
Youngtong-Gu, Suwon-city,  
Gyeonggi-Do, Korea 442-600

## FCC CFR47 PART 15 SUBPART CERTIFICATION REPORT

Model Tested: SCH-i730  
Additional Model: SCH-i731, SCH-i732  
SCH-i733, SCH-i734  
FCC ID (Requested): A3LSCHI730  
Report No: FB-068-R1  
Job No: FB-068  
Date issued: Dec. 08, 2004

- Abstract -

All measurement reported herein accordance with FCC Rules, 47CFR  
Part2, Part15.

Prepared By

SS LEE – Test Engineer

Date

2004.12.09

Checked By

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Date

2004.12.09

Authorized By

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Date

2004.12.09

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# **MEASUREMENT REPORT**

## **1. FCC CERTIFICATION INFORMATION**

The following information is in accordance with FCC Rules, 47CFR Part15, Subpart C

### **1.1 §2.1033 GENERAL INFORMATION**

- Applicant Name: SAMSUNG ELECRONICS CO., LTD.
- Address: 416, Maetan-3Dong, Youngtong-Gu, Suwon City  
Gyeonggi-Do, KOREA 442-600
- Attention: Wallace Oh, Engineering Manager (QA Lab)
- FCC ID: A3LSCHI730
- Additional Model: SCH-i731, SCH-i732, SCH-i733, SCH-i734
- Quantity: Quantity production is planned.
- Equipment (EUT) Type: Samsung CDMA/PCS Phone with Bluetooth / WLAN
- FCC Classification(s): FCC Part15 Spread Spectrum Transceiver (DSS)
- Frequency Range: 2402 ~ 2480MHz(Bluetooth)
- Max. Output Power: 0.00105W(0.21dBm)Conducted
- FCC Rule Part(s): §15.247, §2
- Dates of Test: Dec. 06-08, 2004
- Place of Test: SAMSUNG Lab,
- Test Report S/N: FB-068-R1

## 2. INTRODUCTION

### 2.1 SAMSUNG TEST LOCATION

These measurement test were conducted at the **SAMSUNG ELECTRONICS CO., LTD(SUWON)**. The site address is 416, Maetan-3Dong, Youngtong-Gu, Suwon City, Gyeonggi-Do, KOREA 442-600. The site has 1 Fully-anechoic chamber and measurement facility.

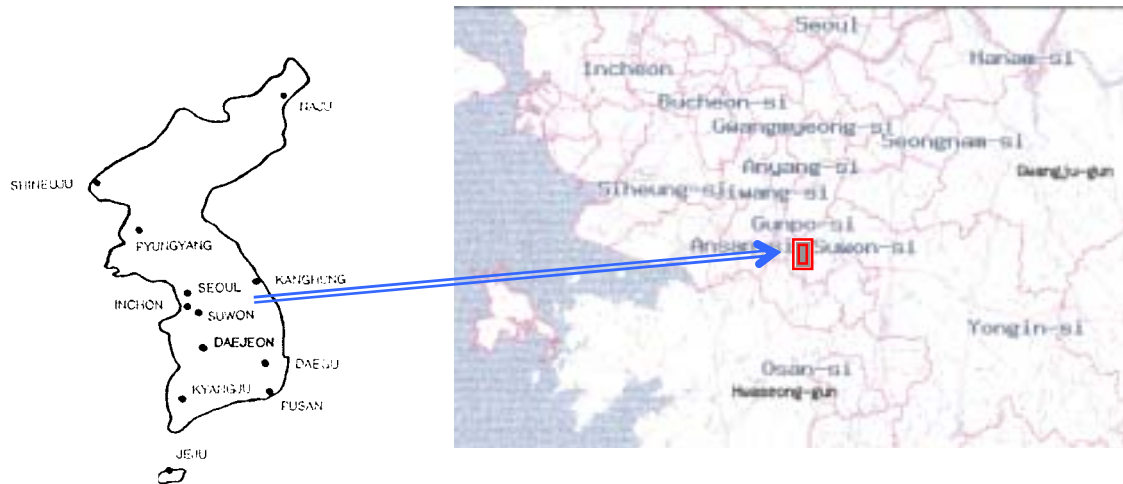


Figure1. Map of the Suwon City area.

### 2.2 SCOPE

All measurement tests were conducted at the SAMSUNG Lab, except Radiated Emission & Conducted Emission test. RE and CE measurement test reports are issued separately.

### 2.3 MEASUREMENT PROCEDURE

The radiated and spurious measurements were made Fully-anechoic chamber at a 3-meter test range (see Figure2). The equipment under testing was 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.

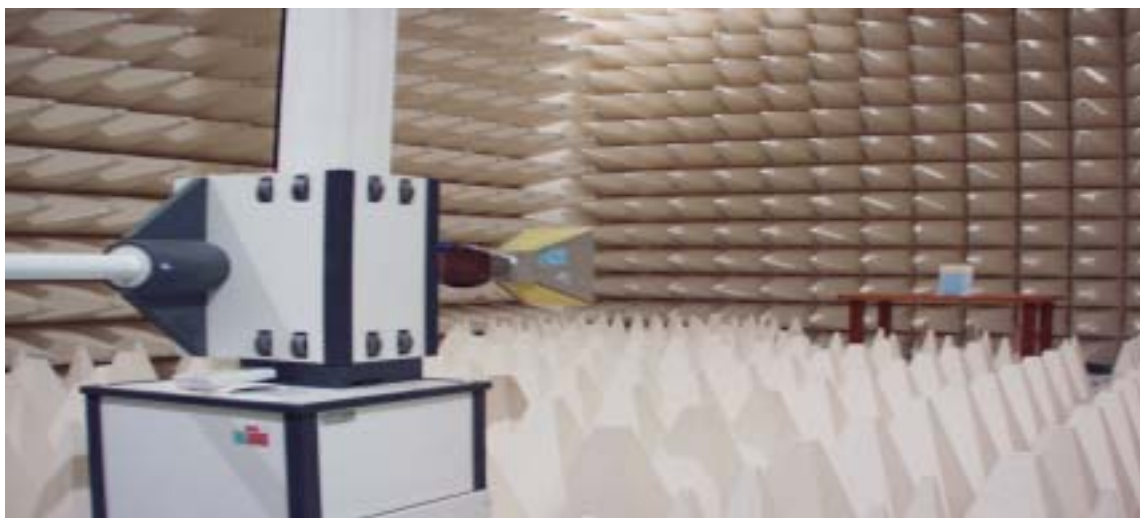


Figure2. Photograph of 3m Fully Anechoic Chamber

- End of page -

### 3. TEST EQUIPMENT LIST

Name of Equipment	Model	Serial No.	Due Date
Spectrum Analyzer	ESI26	836119/010	2005-09-20
	E4440A(3Hz~26.5GHz)	MY41000236	2005-10-27
	E4440A(3Hz~26.5GHz)	MY41000233	2005-11-04
Signal Generator	SMR27	100039	2005-08-11
Pre-Amplifier	8449B	3008A00691	2005-01-16
Antenna Master	MA0001	ANT0967	Not Required
Controller	HD100	100/756	Not Required
Horn Antenna	SEP-60	83845	2005-08-10
	HF906	100134	2005-05-02
High Pass Filter	WHK/3.5/18G-10SS	3	Not Required
	WHK/3.5/18G-10SS	4	Not Required
Shielded Fully-Anechoic Chamber	RF0002	ANT0001	Not Required
Power Meter	E4419B	GB41293846	2005-09-21
Power sensor	8481B	3318A10325	2005-10-06
Power sensor	8485A	3318A19924	2005-09-20
Network Analyzer	8753E	JP38160590	2005-07-22
Power Supply	E3640A	MY40003595	2005-06-30
Power Supply	E3640A	MY40003594	2005-07-02

## 4. TECHNICAL CHARACTERISTICS TEST

### 4.1 20dB BANDWIDTH

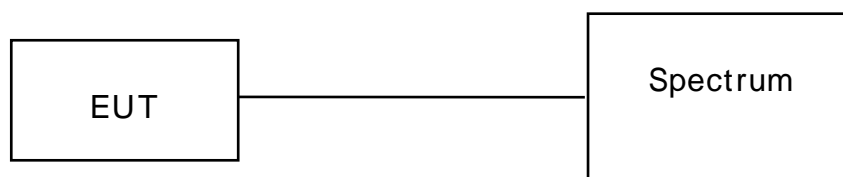
FCC Part15, Subpart C Section 15.247(a)

#### 4.1.1 LIMIT

For frequency hopping system operation in the 2400-2483.5MHz and 5725-5850MHz bands, the maximum 20dB bandwidth of the hopping channels is 1MHz.

Frequency(MHz)	Channel no.	20dB Bandwidth LIMIT(kHz)
2402	0	<1000
2441	39	<1000
2480	78	<1000

#### 4.1.2 TEST SET - UP



The EUT was connected to a spectrum through a 50ohm RF cable.

#### 4.1.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
2. Turn on the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range.
3. Measure the frequency difference of two frequencies that were attenuated 20dB from the highest peak value.
4. Repeat above procedures until all frequencies measured were complete.

#### 4.1.4 TEST RESULT

Frequency(MHz)	Channel no.	20dB Bandwidth(kHz)	20dB Bandwidth LIMIT(kHz)	Pass/Fail
2402	0	797	<1000	Pass
2441	39	780	<1000	Pass
2480	78	792	<1000	Pass

## 4.2 OUTPUT POWER MEASUREMENT

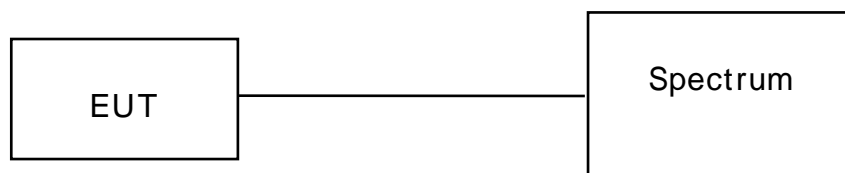
FCC Part15, Subpart C Section 15.247(b)

### 4.2.1 LIMIT

For frequency hopping systems in the 2400-2483.5MHz band employing at least 75 hopping channels, and all frequency hopping systems in the 5725-5850 MHz BAND : 1 Watt (30dBm)

Frequency Range(MHz)	2400~2483.5
Quantity of Hopping Channel	>75
Limit(W)	1

### 4.2.2 TEST SET - UP



The EUT was connected to a spectrum through a 50ohm RF cable

### 4.2.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
2. Turn the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. The center frequency of the spectrum analyzer is set to the fundamental frequency and using 3MHz RBW and 3MHz VBW.

### 4.2.4 TEST RESULT

Frequency(MHz)	Channel no.	Power Output(dBm)	Power Output LIMIT(dBm)	Pass/Fail
2402	0	0.16	<30	Pass
2441	39	-0.12	<30	Pass
2480	78	0.21	<30	Pass



## 4.3 CONDUCTED SPURIOUS EMISSION TEST

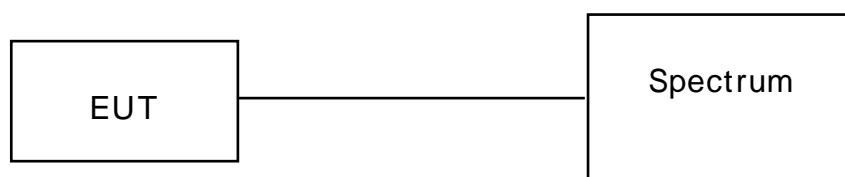
FCC Part15, Subpart C Section 15.247(d)

### 4.3.1 LIMIT

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

Frequency(MHz)	Channel no.	LIMIT (30MHz – 25GHz)
2402	0	>20dBc
2441	39	>20dBc
2480	78	>20dBc

### 4.3.2 TEST SET - UP



The EUT was connected to a spectrum through a 50ohm RF cable

### 4.3.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
2. The transmitter output was connected to the spectrum analyzer via a low loss cable.
3. Turn the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range.

### 4.3.4 TEST RESULT

Frequency(MHz)	Channel no.	Actual attenuation below frequency of operation(dBc)	LIMIT (30MHz – 25GHz)	Pass/Fail
2402	0	62.61	>20dBc	Pass
2441	39	62.39	>20dBc	Pass
2480	78	62.85	>20dBc	Pass

## 4.4 BAND EDGE COMPLIANCE

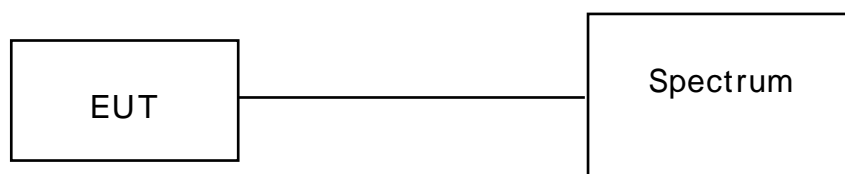
FCC Part15, Subpart C Section 15.247(d)

### 4.4.1 LIMIT

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

Frequency Range(MHz)	2400~2483.5
Band edge LIMIT(dBc)	>20

### 4.4.2 TEST SET - UP



The EUT was connected to a spectrum through a 50ohm RF cable

### 4.4.3 TEST PROCEDURE

1. Turn the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range.
2. The transmitter output was connected to the spectrum analyzer via a low loss cable.
3. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100MHz bandwidth from band edge.

### 4.4.4 TEST RESULT

Frequency(MHz)	Result of Band edge(dBc)	Band edge LIMIT(dBc)	Pass/Fail
<2400	48.66	>20	Pass
>2483.5	50.40	>20	Pass

## 4.5 NUMBER OF HOPPING CHANNELS

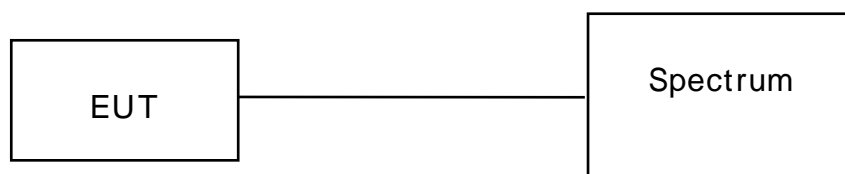
FCC Part15, Subpart C Section 15.247(a)

### 4.5.1 LIMIT

At least 75 hopping frequencies

Frequency Range(MHz)	2400~2483.5
LIMIT(Quantity of Hopping Channel)	>75

### 4.5.2 TEST SET - UP



The EUT was connected to a spectrum through a 50ohm RF cable

### 4.5.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
2. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operation range and make sure the instrument is operated in its linear range.
3. Set the SA on MaxHold Mode, and then keep the EUT in hopping mode.

### 4.5.4 TEST RESULT

HOPPING CHANNEL FREQUENCY RANGE(MHz)	QUANTITY OF HOPPING CHANNEL READ VALUE	QUANTITY OF HOPPING CHANNEL LIMIT	Pass/Fail
2400~2483.5	79	>75	Pass

## 4.6. CHANNEL SEPARATION TEST

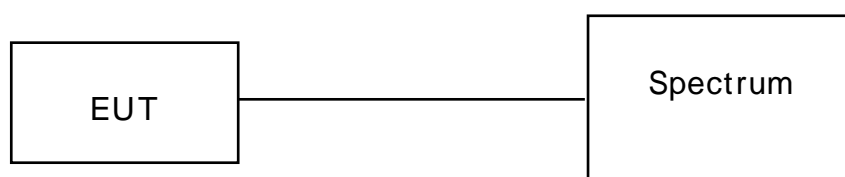
FCC Part15, Subpart C Section 15.247(a)

### 4.6.1 LIMIT

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater.

Frequency Range(MHz)	2400~2483.5
LIMIT(KHz)	>25

### 4.6.2 TEST SET - UP



The EUT was connected to a spectrum through a 50ohm RF cable

### 4.6.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Turn on the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range.
3. By using the MaxHold function record the separation of two adjacent channels.
4. Measure the frequency difference of these two adjacent channels by SA MARKER function.

### 4.6.4 TEST RESULT

CHANNEL NUMBER	CHANNEL FREQUENCY	SEPARATION READ VALUE(KHz)	SEPARATION LIMIT(KHz)	Pass/Fail
39	2441	1000	>25	Pass

## 4.7. DWELL TIME

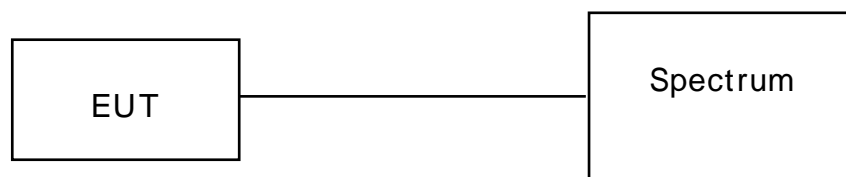
FCC Part15, Subpart C Section 15.247

### 4.7.1 LIMIT

The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

Frequency Range(MHz)	2400~2483.5
LIMIT(ms)	<400

### 4.7.2 TEST SET - UP



The EUT was connected to a spectrum through a 50ohm RF cable

### 4.7.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
2. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operation range and make sure the instrument is operated in its linear range.
3. Adjust the center frequency of SA on any frequency be measured and set SA to zero span mode. And then, set RBW and VBW of spectrum analyzer to proper value.
4. Measure the time duration of one transmission on the measured frequency.

### 4.7.4 TEST RESULT

CHANNEL NUMBER	CHANNEL FREQUENCY(MHz)	Time of occupancy (Dwell Time) (ms)	Time of occupancy limit(ms)	Pass/Fail
39	2441.00	125.38	<400	Pass

## 4.8 RADIATED HARMONIC MEASUREMENT

FCC Part15, Subpart C Section 15.249, 15.209

### 4.8.1 LIMIT

The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

FUNDAMENTAL FREQUENCY(MHz)	FIELD STRENGTH OF HARMONICS(dBuV/m) (at 3m)
2400~2483.5	<54

### 4.8.2 TEST SET -UP

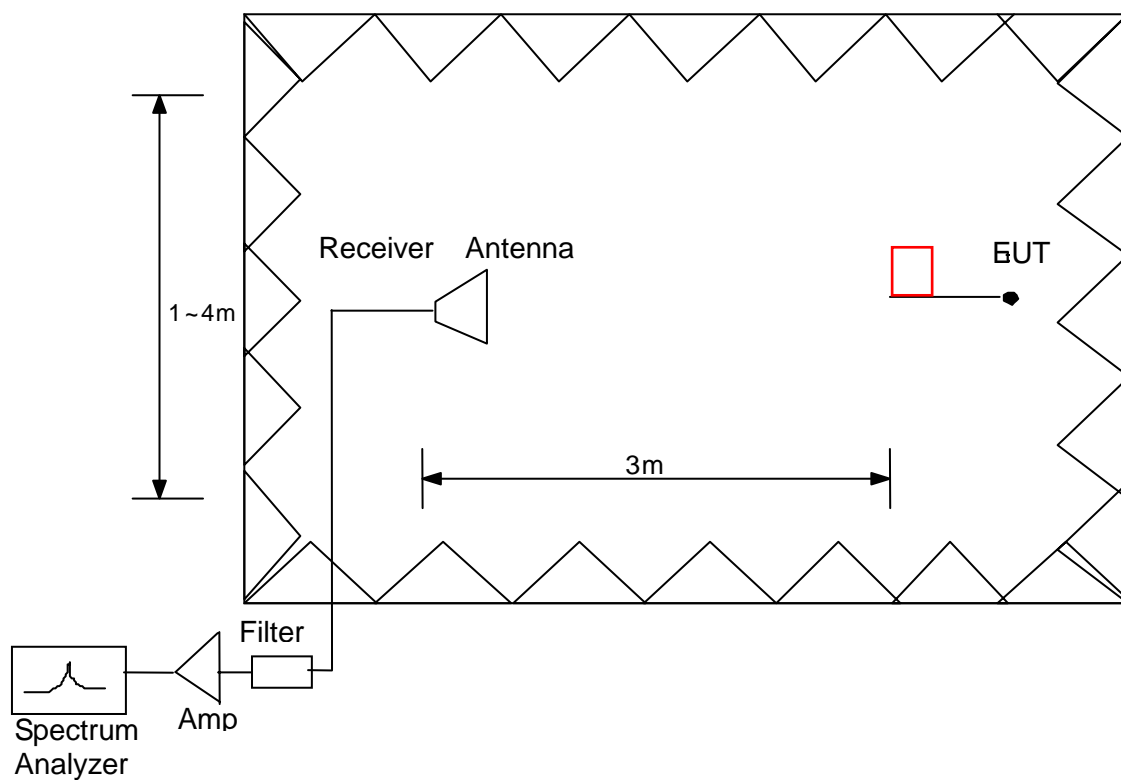


Figure 3. Diagram of Radiated harmonic test Set-up

### 4.8.3 TEST PROCEDURE

1. The EUT was placed on the top of a rotating table 1meters above the ground at a 3meter fully-anechoic chamber. The table was rotated 360degrees to determine the position of the highest radiation.
2. The EUT was set 3meters away from the receiver antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna is a horn antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4meters and the rotatable table was turned from 0degrees to 360degrees to find the maximum reading.

5. The test-receiver system was set to Average Detect Function and Specified Bandwidth with Maximum Hold Mode.

#### 4.8.4 TEST RESULT

Test mode : Ch0

FREQ. (MHz)	Reading	Cable loss (dB)	Ant. Fact. (dB)	POL. (H/V)	F/S (dBuV/m)	LIMIT (dBuV/m)	MARGIN	Pass /Fail
4804	-68.18	-18.36	10.16	H	30.62	<54.0	-23.38	Pass
7206	*	-15.45	10.51	*	*	<54.0	*	Pass
9608	*	-12.57	11.68	*	*	<54.0	*	Pass

Test mode : Ch39

FREQ. (MHz)	Reading	Cable loss (dB)	Ant. Fact. (dB)	POL. (H/V)	F/S (dBuV/m)	LIMIT (dBuV/m)	MARGIN	Pass /Fail
4804	-67.50	-17.97	10.16	H	31.69	<54.0	-22.31	Pass
7206	*	-15.14	10.51	*	*	<54.0	*	Pass
9608	*	-11.41	11.68	*	*	<54.0	*	Pass

Test mode : Ch78

FREQ. (MHz)	Reading	Cable loss (dB)	Ant. Fact. (dB)	POL. (H/V)	F/S (dBuV/m)	LIMIT (dBuV/m)	MARGIN	Pass /Fail
4804	-67.82	-17.78	10.16	H	31.56	<54.0	-22.44	Pass
7206	*	-15.49	10.51	*	*	<54.0	*	Pass
9608	*	-9.93	11.68	*	*	<54.0	*	Pass

#### NOTE :

1. "\*" Measurement does not apply for this frequency.
2. The test data reported are the worst-case field strength value of harmonics.
3. All modes of operation were investigated, and the worst-case results are reported.



## 5. CONCLUSION

The data collected shows that the SAMSUNG Bluetooth Phone.  
FCC ID : A3LSCHI730 complies with the requirements of Parts 15 of the FCC Rules.

- End of page -



## 6. TEST PLOTS

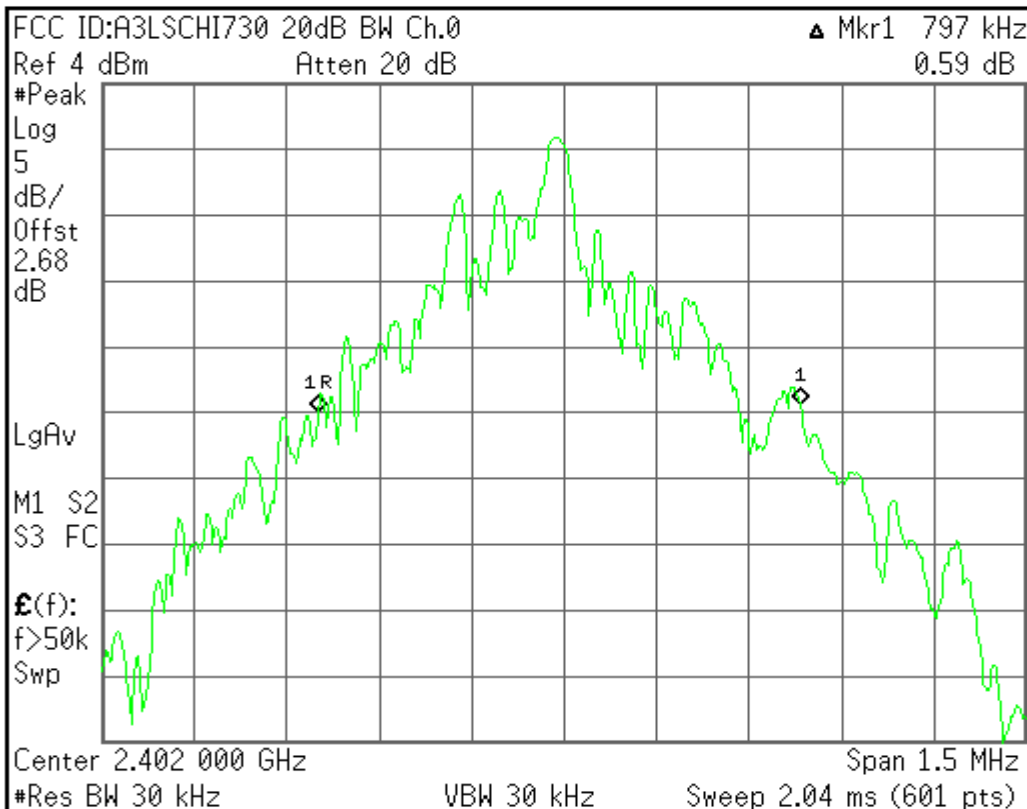
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## A3LSCHI730(BLUETOOTH)

Agilent

L

Freq/Channel

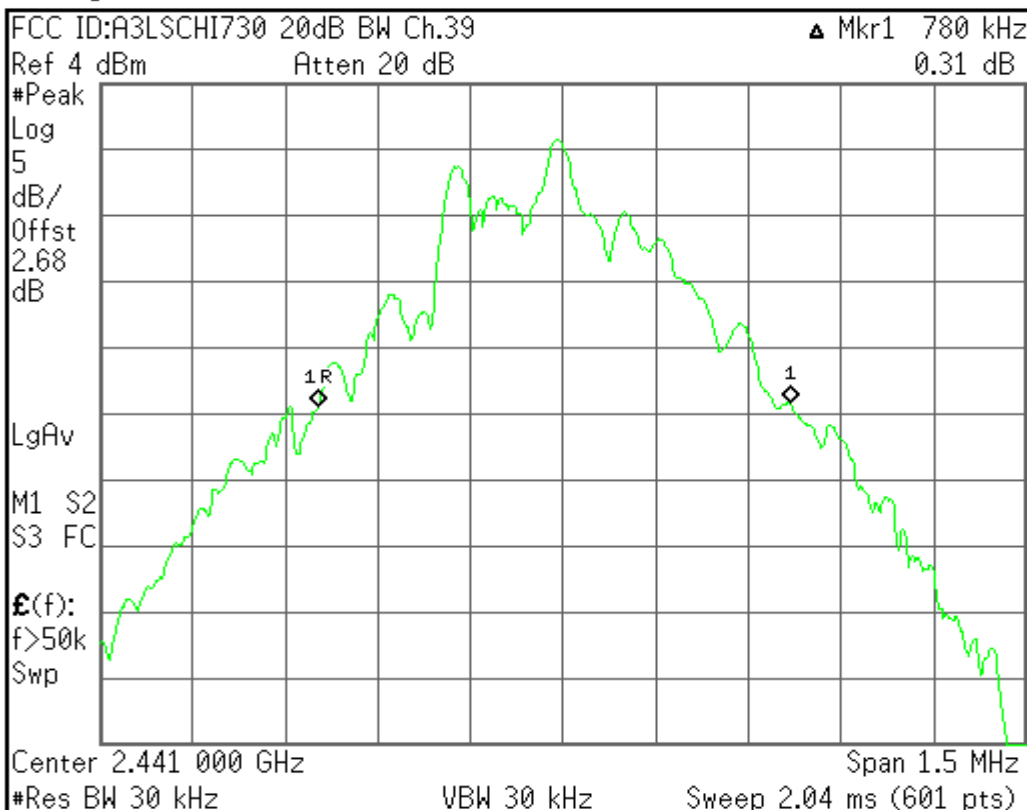
Center Freq  
2.40200000 GHzStart Freq  
2.40125000 GHzStop Freq  
2.40275000 GHzCF Step  
150.000000 kHz  
Auto ManFreq Offset  
0.00000000 HzSignal Track  
On Off

Copyright 2000–2002 Agilent Technologies

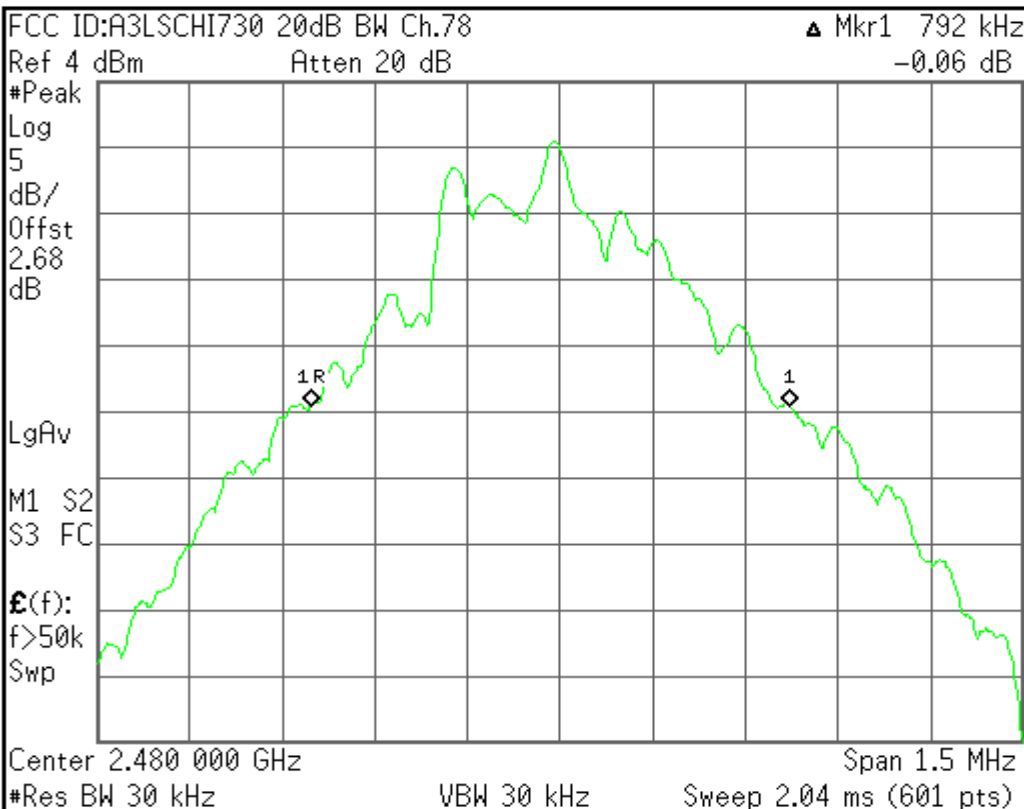
Agilent

L

Freq/Channel

Center Freq  
2.44100000 GHzStart Freq  
2.44025000 GHzStop Freq  
2.44175000 GHzCF Step  
150.000000 kHz  
Auto ManFreq Offset  
0.00000000 HzSignal Track  
On Off

Copyright 2000–2002 Agilent Technologies



Freq/Channel

**Center Freq**  
2.48000000 GHz

**Start Freq**  
2.47925000 GHz

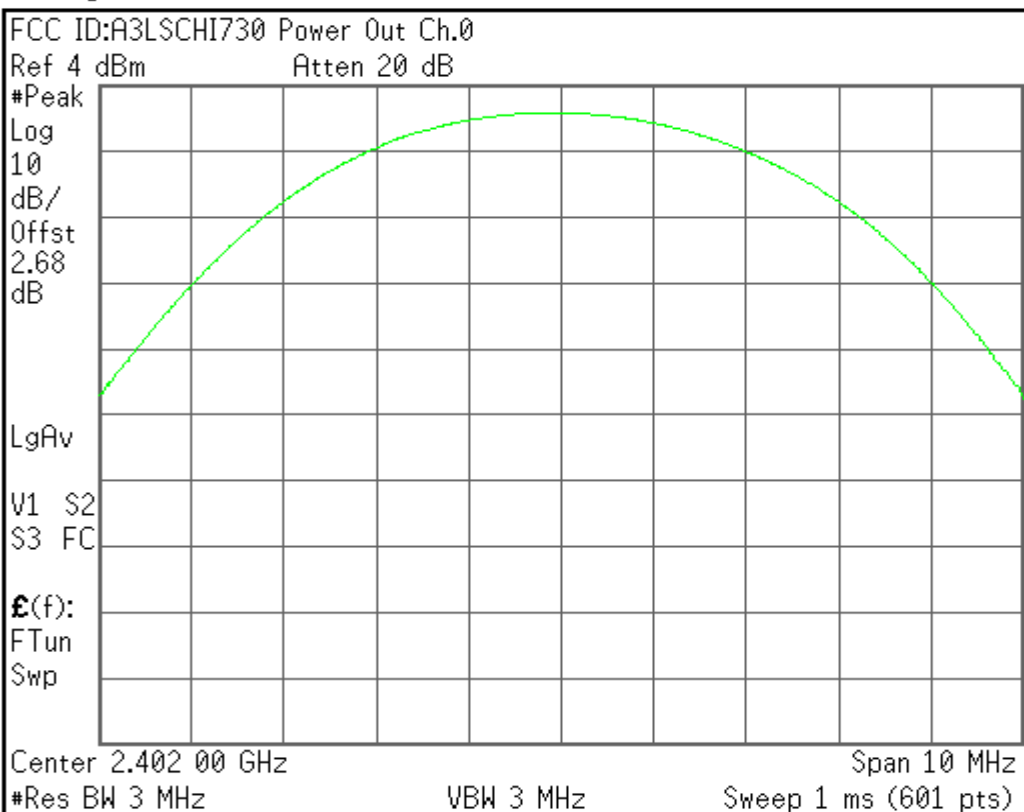
**Stop Freq**  
2.48075000 GHz

**CF Step**  
150.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

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Freq/Channel

**Center Freq**  
2.40200000 GHz

**Start Freq**  
2.39700000 GHz

**Stop Freq**  
2.40700000 GHz

**CF Step**  
1.00000000 MHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

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FCC ID:A3LSCHI730 Power Out Ch.39

Ref 4 dBm

Atten 20 dB

#Peak

Log

10

dB/

Offst

2.68

dB

LgAv

V1 S2

S3 FC

$\mathcal{E}(f)$ :

FTun

Swp

Center 2.441 00 GHz

Span 10 MHz

#Res BW 3 MHz

VBW 3 MHz

Sweep 1 ms (601 pts)

Freq/Channel

Center Freq

2.44100000 GHz

Start Freq

2.43600000 GHz

Stop Freq

2.44600000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

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FCC ID:A3LSCHI730 Power Out Ch.78

Ref 4 dBm

Atten 20 dB

#Peak

Log

10

dB/

Offst

2.68

dB

LgAv

V1 S2

S3 FC

$\mathcal{E}(f)$ :

FTun

Swp

Center 2.480 00 GHz

Span 10 MHz

#Res BW 3 MHz

VBW 3 MHz

Sweep 1 ms (601 pts)

Freq/Channel

Center Freq

2.48000000 GHz

Start Freq

2.47500000 GHz

Stop Freq

2.48500000 GHz

CF Step

1.00000000 MHz

Auto

Man

Freq Offset

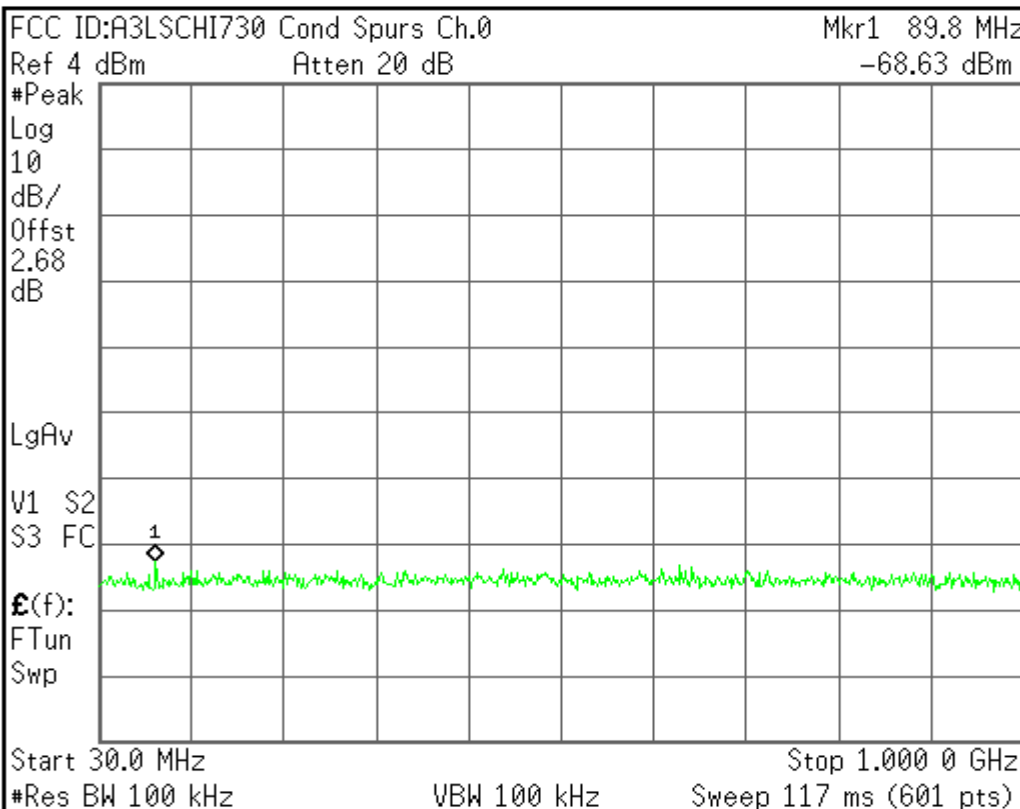
0.00000000 Hz

Signal Track

On

Off

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**Center Freq**  
 515.000000 MHz

**Start Freq**  
 30.0000000 MHz

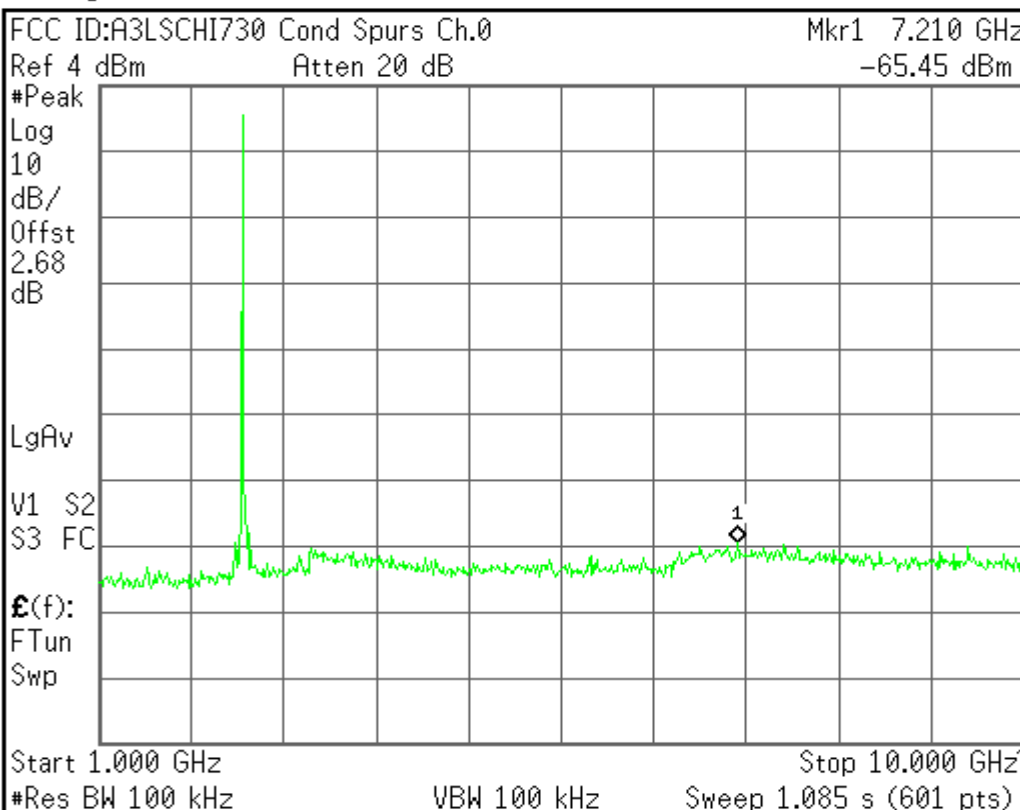
**Stop Freq**  
 1.00000000 GHz

**CF Step**  
 97.0000000 MHz  
 Auto Man

**Freq Offset**  
 0.00000000 Hz

**Signal Track**  
 On Off

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**Center Freq**  
 5.50000000 GHz

**Start Freq**  
 1.00000000 GHz

**Stop Freq**  
 10.0000000 GHz

**CF Step**  
 900.000000 MHz  
 Auto Man

**Freq Offset**  
 0.00000000 Hz

**Signal Track**  
 On Off

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Agilent

L

Freq/Channel

FCC ID:A3LSCHI730 Cond Spurs Ch.0

Mkr1 24.88 GHz

Ref 4 dBm

Atten 20 dB

-62.61 dBm

#Peak

Log

10

dB/

Offst

2.68

dB

LgAv

V1 S2

S3 FC

£(f):

FTun

Swp

Start 10.00 GHz

Stop 25.00 GHz

#Res BW 100 kHz

VBW 100 kHz

Sweep 1.809 s (601 pts)

**Center Freq**  
17.5000000 GHz**Start Freq**  
10.0000000 GHz**Stop Freq**  
25.0000000 GHz**CF Step**  
1.50000000 GHz  
Auto Man**Freq Offset**  
0.00000000 Hz**Signal Track**  
On Off

Copyright 2000–2002 Agilent Technologies



Agilent

L

Freq/Channel

FCC ID:A3LSCHI730 Cond Spurs Ch.39

Mkr1 815.7 MHz

Ref 4 dBm

Atten 20 dB

-69.24 dBm

#Peak

Log

10

dB/

Offst

2.68

dB

LgAv

V1 S2

S3 FC

£(f):

FTun

Swp

Start 30.0 MHz

Stop 1.000 0 GHz

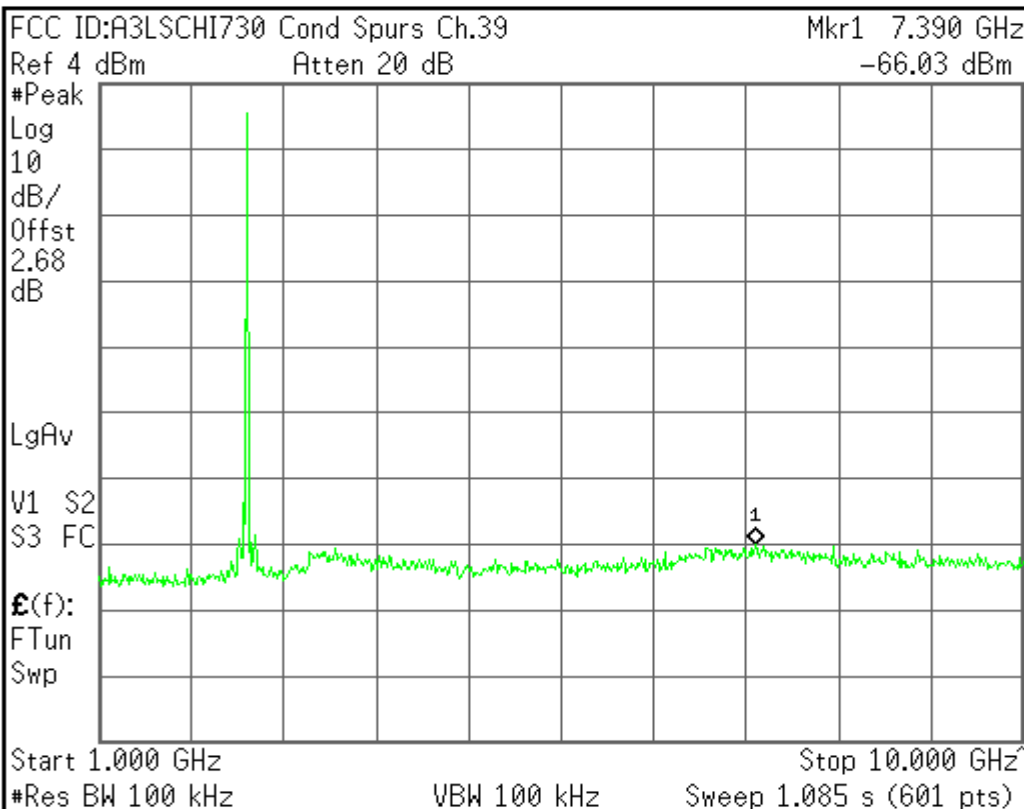
#Res BW 100 kHz

VBW 100 kHz

Sweep 117 ms (601 pts)

**Center Freq**  
515.000000 MHz**Start Freq**  
30.0000000 MHz**Stop Freq**  
1.00000000 GHz**CF Step**  
97.0000000 MHz  
Auto Man**Freq Offset**  
0.00000000 Hz**Signal Track**  
On Off

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Center Freq  
 5.50000000 GHz

Start Freq  
 1.00000000 GHz

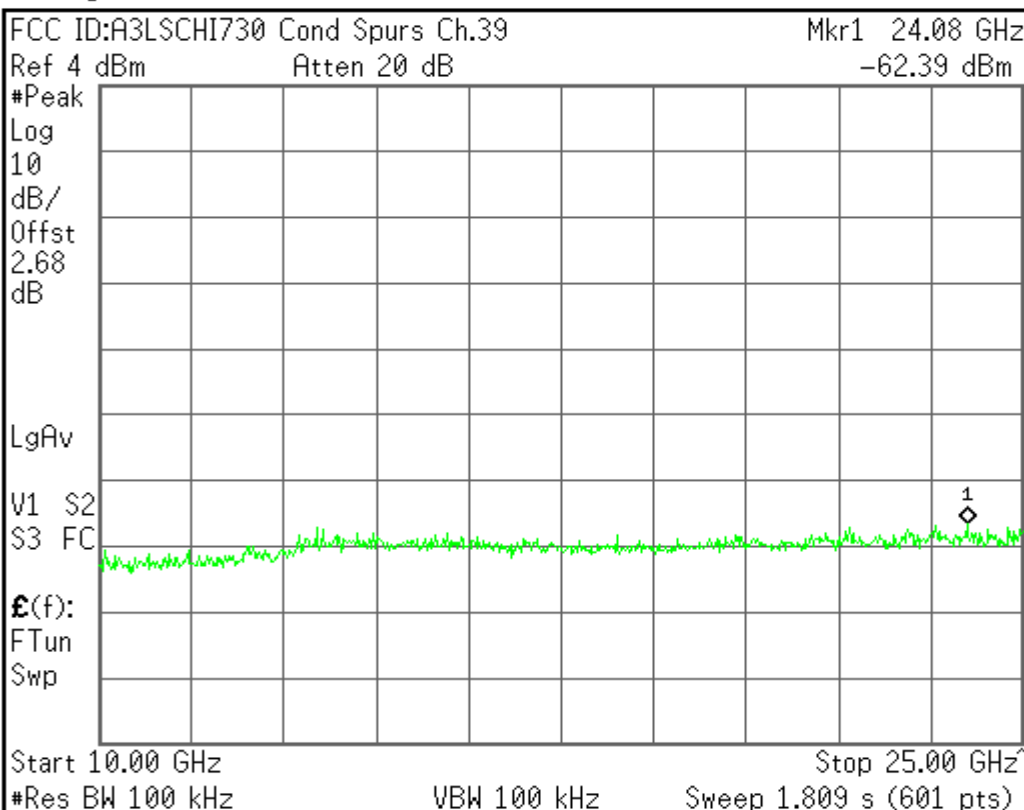
Stop Freq  
 10.00000000 GHz

CF Step  
 900.000000 MHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

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Center Freq  
 17.50000000 GHz

Start Freq  
 10.00000000 GHz

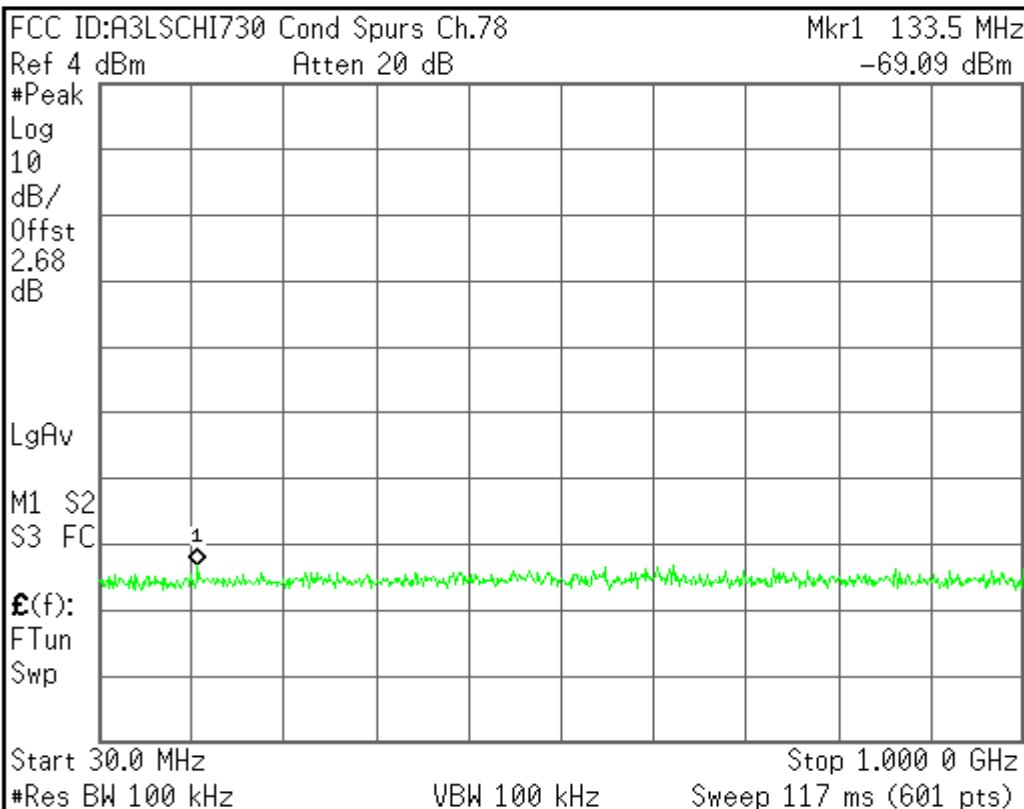
Stop Freq  
 25.00000000 GHz

CF Step  
 1.50000000 GHz  
 Auto Man

Freq Offset  
 0.00000000 Hz

Signal Track  
 On Off

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**Center Freq**  
 515.000000 MHz

**Start Freq**  
 30.0000000 MHz

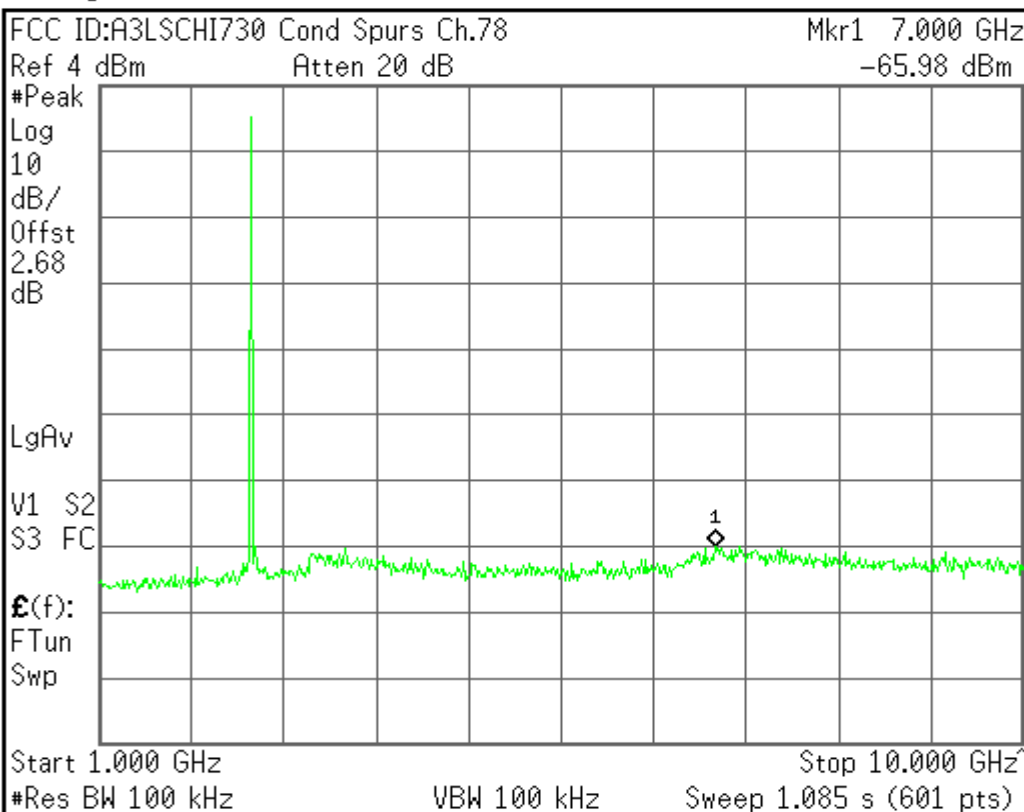
**Stop Freq**  
 1.00000000 GHz

**CF Step**  
 97.0000000 MHz  
 Auto Man

**Freq Offset**  
 0.00000000 Hz

**Signal Track**  
 On Off

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**Center Freq**  
 5.50000000 GHz

**Start Freq**  
 1.00000000 GHz

**Stop Freq**  
 10.0000000 GHz

**CF Step**  
 900.000000 MHz  
 Auto Man

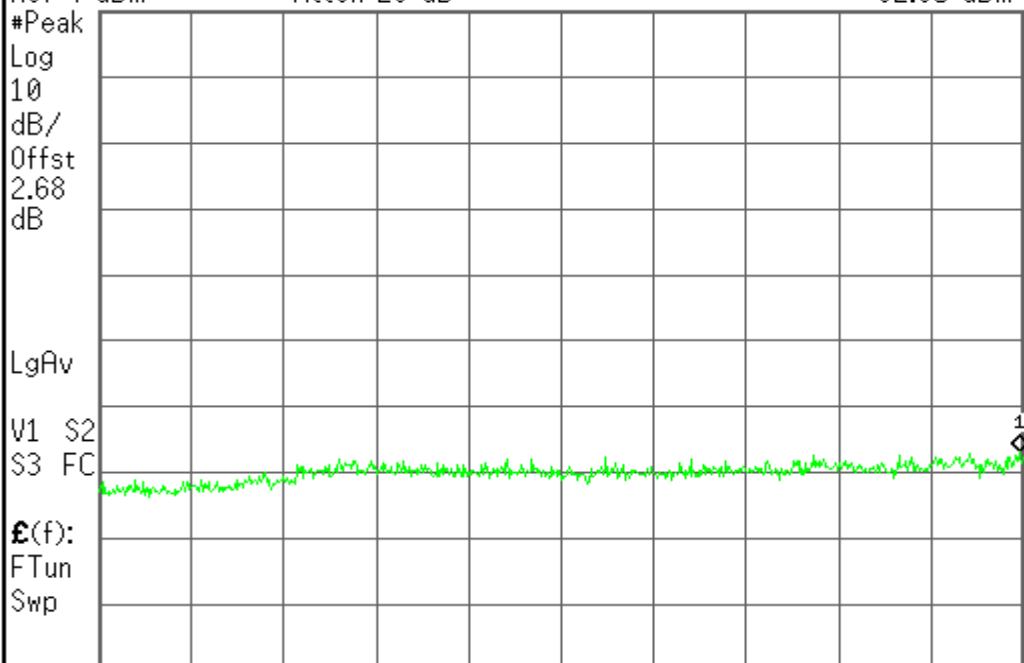
**Freq Offset**  
 0.00000000 Hz

**Signal Track**  
 On Off

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FCC ID:A3LSCHI730 Cond Spurs Ch.78 Mkr1 24.92 GHz  
 Ref 4 dBm Atten 20 dB -62.85 dBm



**Center Freq**  
 17.5000000 GHz

**Start Freq**  
 10.0000000 GHz

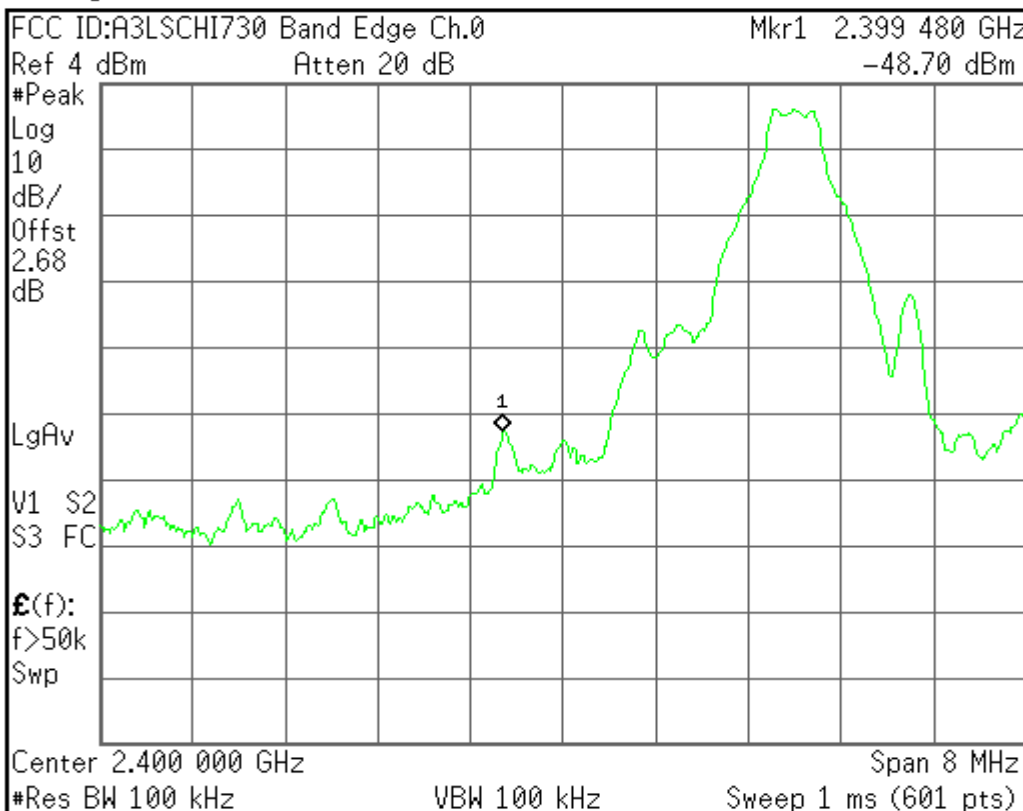
**Stop Freq**  
 25.0000000 GHz

**CF Step**  
 1.50000000 GHz  
 Auto Man

**Freq Offset**  
 0.00000000 Hz

**Signal Track**  
 On Off

Start 10.00 GHz Stop 25.00 GHz  
 #Res BW 100 kHz VBW 100 kHz Sweep 1.809 s (601 pts)



**Center Freq**  
 2.40000000 GHz

**Start Freq**  
 2.39600000 GHz

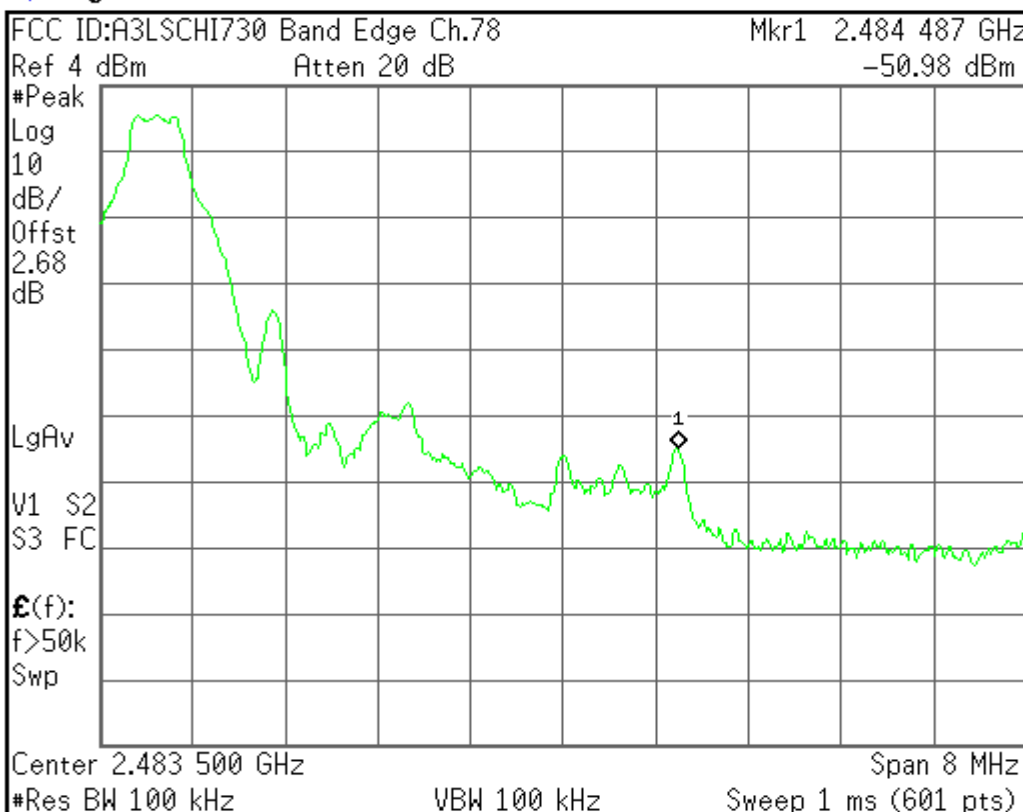
**Stop Freq**  
 2.40400000 GHz

**CF Step**  
 800.000000 kHz  
 Auto Man

**Freq Offset**  
 0.00000000 Hz

**Signal Track**  
 On Off

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**Center Freq**  
 2.48350000 GHz

**Start Freq**  
 2.47950000 GHz

**Stop Freq**  
 2.48750000 GHz

**CF Step**  
 800.000000 kHz  
 Auto Man

**Freq Offset**  
 0.00000000 Hz

**Signal Track**  
 On Off

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FCC ID:A3LSCHI730 Bluetooth Hopping

Ref 4 dBm

Atten 20 dB

#Peak

Log

10

dB/

Offst

2.68

dB

LgAv

V1 S2

S3 FC

$\mathcal{E}(f)$ :

FTun

Swp

Start 2.400 00 GHz

Stop 2.442 00 GHz

#Res BW 1 MHz

VBW 1 MHz

Sweep 1 ms (601 pts)

Center Freq

2.42100000 GHz

Start Freq

2.40000000 GHz

Stop Freq

2.44200000 GHz

CF Step

4.20000000 MHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

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FCC ID:A3LSCHI730 Bluetooth Hopping

Ref 4 dBm

Atten 20 dB

#Peak

Log

10

dB/

Offst

2.68

dB

LgAv

V1 S2

S3 FC

$\mathcal{E}(f)$ :

FTun

Swp

Start 2.440 00 GHz

Stop 2.483 50 GHz

#Res BW 1 MHz

VBW 1 MHz

Sweep 1 ms (601 pts)

Center Freq

2.46175000 GHz

Start Freq

2.44000000 GHz

Stop Freq

2.48350000 GHz

CF Step

4.35000000 MHz

Auto

Man

Freq Offset

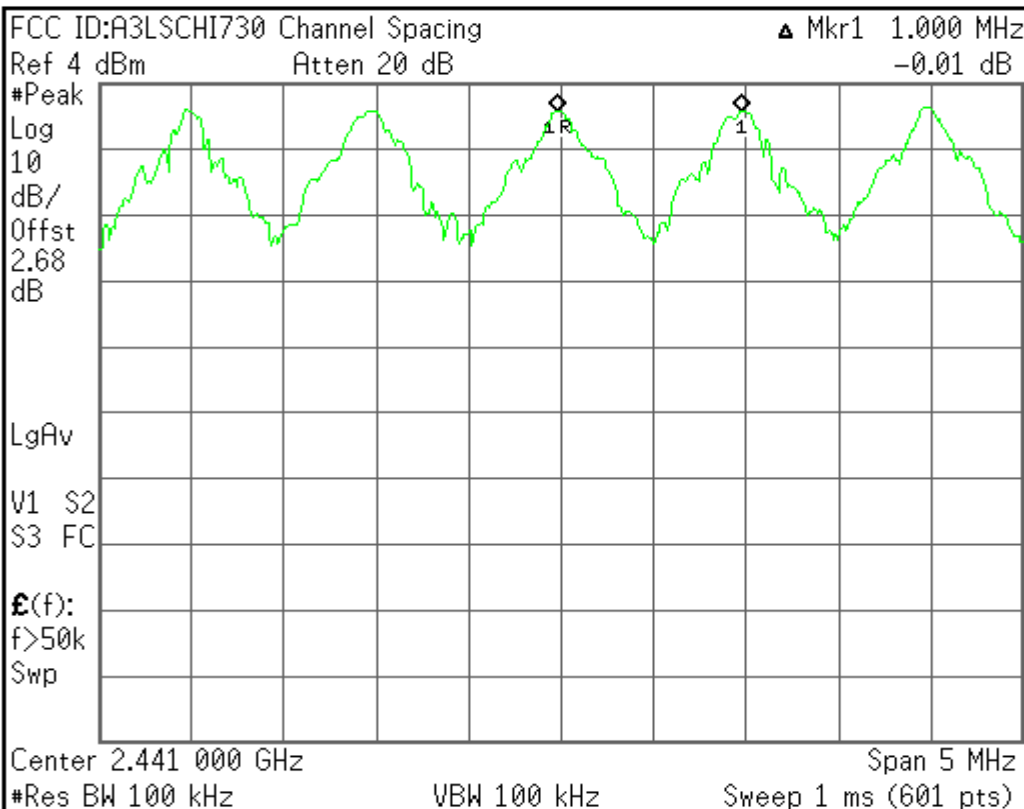
0.00000000 Hz

Signal Track

On

Off

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**Center Freq**  
2.44100000 GHz

**Start Freq**  
2.43850000 GHz

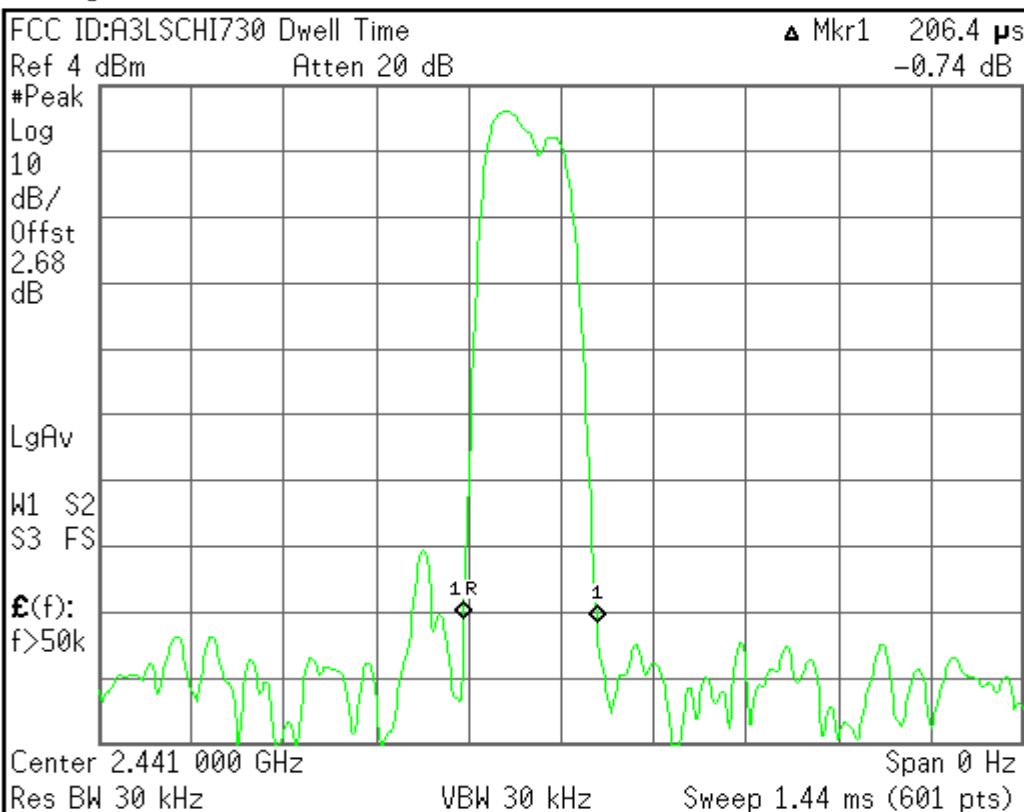
**Stop Freq**  
2.44350000 GHz

**CF Step**  
500.000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

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**Center Freq**  
2.44100000 GHz

**Start Freq**  
2.44100000 GHz

**Stop Freq**  
2.44100000 GHz

**CF Step**  
30.0000000 kHz  
Auto Man

**Freq Offset**  
0.00000000 Hz

**Signal Track**  
On Off

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