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CERTIFICATION OF COMPLIANCE

Firmtech CO., LTD.

C-720,Sigma2 Officetel,Gumi-Dong 18.Bundang-Gu,
 Sungnam-si,Kyunggi-Do,Korea

Dates of Tests: March 10 2008 ~ March 14, 2008
 Test Report S/N: DR50110803P
 Test Site : DIGITAL EMC CO., LTD.

FCC ID	U8D-FB155BC-F
APPLICANT	Firmtech CO., LTD.

- FCC Classification** : **Frequency Hopping Spread Spectrum (FHSS)**
- Device name** : **Bluetooth Serial Adaptor**
- Manufacturer** : **Firmtech CO., LTD.**
- FCC ID** : **U8D-FB155BC-F**
- Model name** : **FB155BC**
- Test Device Serial number** : **Identical prototype**
- FCC Rule Part(s)** : **FCC Part 15.247 Subpart C**
ANSI C-63.4-2003
- Frequency Range** : **2402 ~ 2480 MHz**
- Max. Output power** : **3.65dBm Conducted**
- Data of issue** : **March 17, 2008**

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.



NVLAP LAB CODE 200559-0

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1. General information

This report contains the result of tests performed by:

DIGITAL EMC CO., LTD.

Address : 683-3, Yubang-Dong, Yongin-Si, Kyunggi-Do, Korea. 449-080

<http://www.digitalemc.com> E-mail : Harveysung@digitalemc.com

Tel: +82-31-321-2664 Fax: +82-31-321-1664

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the competent of calibration and testing laboratory”.

This laboratory is accredited by NVLAP for NVLAP Lab. Code : 200559-0.

Test operator: engineer

March 17, 2008

Dong -Chul CHA

Data

Name

Signature

Report Reviewed By: manager

March 17, 2008

Harvay Sung

Data

Name

Signature

Ordering party:

Company name : Firmtech Co., LTD

Address : C-720,Sigma2 Officetel, Gumi-Dong 18,Bundang-Gu,

City/town : Kyunggi-Do ,Sungnam-si

Country : Korea

Date of order : March 11, 2008

2. Information about test item

U8D-FB155BC-F

2.1 Equipment information

Equipment model no.	FB155BC
Equipment serial no.	Identical prototype
Type of equipment	Bluetooth Serial Adaptor
Frequency band	2402 ~ 2480 MHz
Type of Modulation	GFSK
Channel Access Protocol	Frequency Hopping
Channel Spacing	1.0 MHz
Type of antenna	Chip Antenna

- This device does not have EDR function.

2.2 Tested frequency

Frequency	TX	RX
Low frequency	2402MHz	2402MHz
Middle frequency	2441MHz	2441MHz
High frequency	2480MHz	2480MHz

2.3 Tested environment

Temperature	: 15 ~ 35 (°C)
Relative humidity content	: 20 ~ 75 %
Air pressure	: 86 ~ 103 kPa
Details of power supply	: 3.3 V DC

2.4 Ancillary Equipment

Equipment	Model No.	Serial No.	Manufacturer
-	-	-	-
-	-	-	-

2.5 EMI Suppression Device(s)/Modifications

EMI suppression device(s) added and/or modifications made during testing

-> None

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Limit (Using in 2400 ~ 2483.5MHz)	Test Condition	Status (note 1)
I. Test Items				
15.247(a)	Carrier Frequency Separation	$\geq 20\text{dB BW}$ or \geq Two-Thirds of the 20dB BW	Conducted	C
	Number of Hopping Frequencies	≥ 15 hops		C
	20 dB Bandwidth	None		C
	Dwell Time	0.4 seconds within a 30 second period per any frequency		C
15.247(b)	Transmitter Output Power	$\leq 1\text{Watt}$, if CHs ≥ 75 Others $\leq 0.125\text{W}$		C
15.247(c)	Band-edge /Conducted	The radiated emission to any 100 kHz of outband shall be at least 20dB below the highest inband spectral density.		C
	Conducted Spurious Emissions		C	
15.205 15.209	Radiated Emissions	FCC 15.209 Limits	Radiated	C
15.207	AC Conducted Emissions	EN 55022	AC Line Conducted	C
Note 1: C=Comply NC=Not Comply NT=Not Tested NA=Not Applicable				

The sample was tested according to the following specification:

FCC Parts 15.247; ANSI C-63.4-2003

3.2 Transmitter requirements

3.2.1 Carrier Frequency Separation

Procedure:

The carrier frequency separation was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function enabled.

After the trace being stable, the reading value between the peaks of the adjacent channels using the marker-delta function was recorded as the measurement results.

The spectrum analyzer is set to:

Span = 3 MHz (wide enough to capture the peaks of two adjacent channels)

RBW = 30 kHz (1% of the span or more) Sweep = auto

VBW = 30 kHz Detector function = peak

Trace = max hold

Measurement Data:

Frequency of marker #1 (MHz)	Frequency of marker #2 (MHz)	Test Results	
		Carrier Frequency Separation (MHz)	Result
2439.986	2441.003	1.014	Comply

- See next pages for actual measured spectrum plots.

Minimum Standard:

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

Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW

Measurement Setup

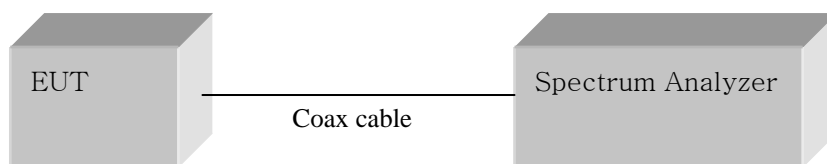
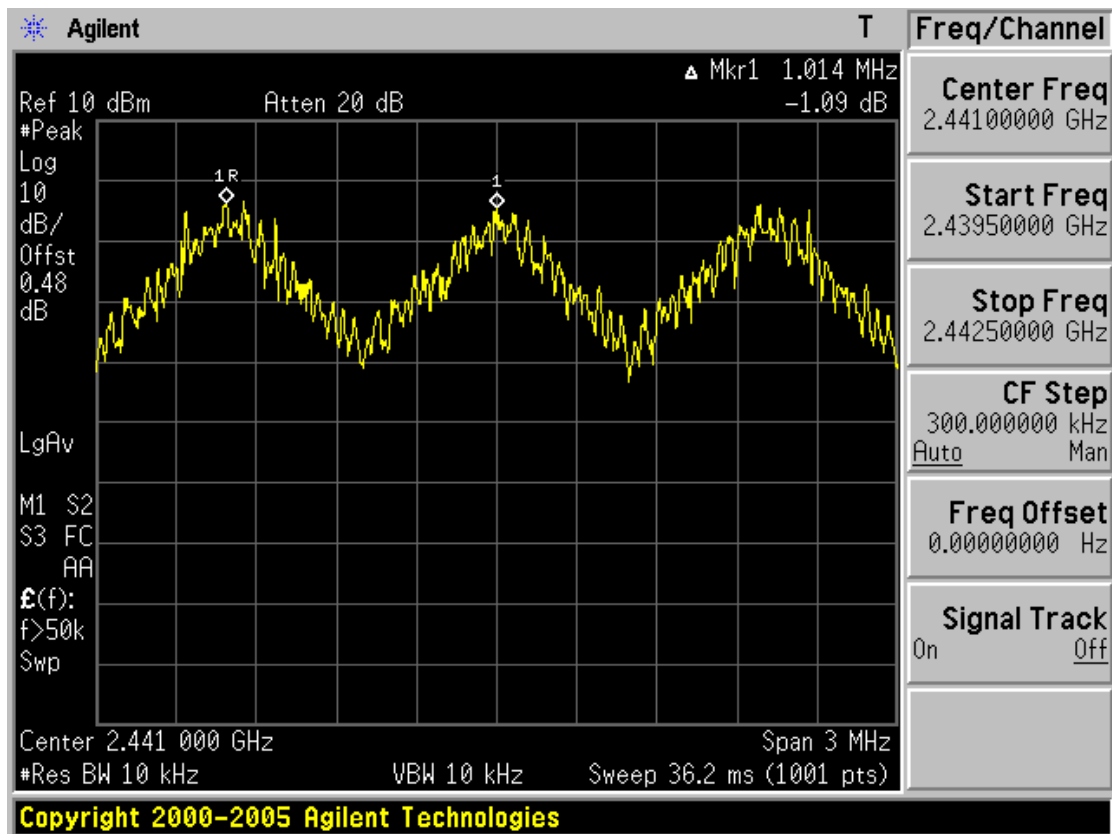


Figure 1: Measurement setup for the carrier frequency separation

Carrier Frequency Separation



3.2.2 Number of Hopping Frequencies

Procedure:

The number of hopping frequencies was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function enabled.

To get higher resolution, four frequency ranges within the 2400 ~ 2483.5 MHz FH band were examined.

The spectrum analyzer is set to:

Frequency range	1: Start = 2389.5MHz, Stop = 2414.5 MHz
	2: Start = 2414.5MHz, Stop = 2439.5 MHz
	3: Start = 2439.5MHz, Stop = 2464.5 MHz
	4: Start = 2464.5MHz, Stop = 2489.5 MHz
RBW = 300 kHz (1% of the span or more)	Sweep = auto
VBW = 300 kHz (VBW ≥ RBW)	Detector function = peak
Trace = max hold	Span = 25MHz

Measurement Data: Comply

Total number of Hopping Channels	79
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- See next pages for actual measured spectrum plots.

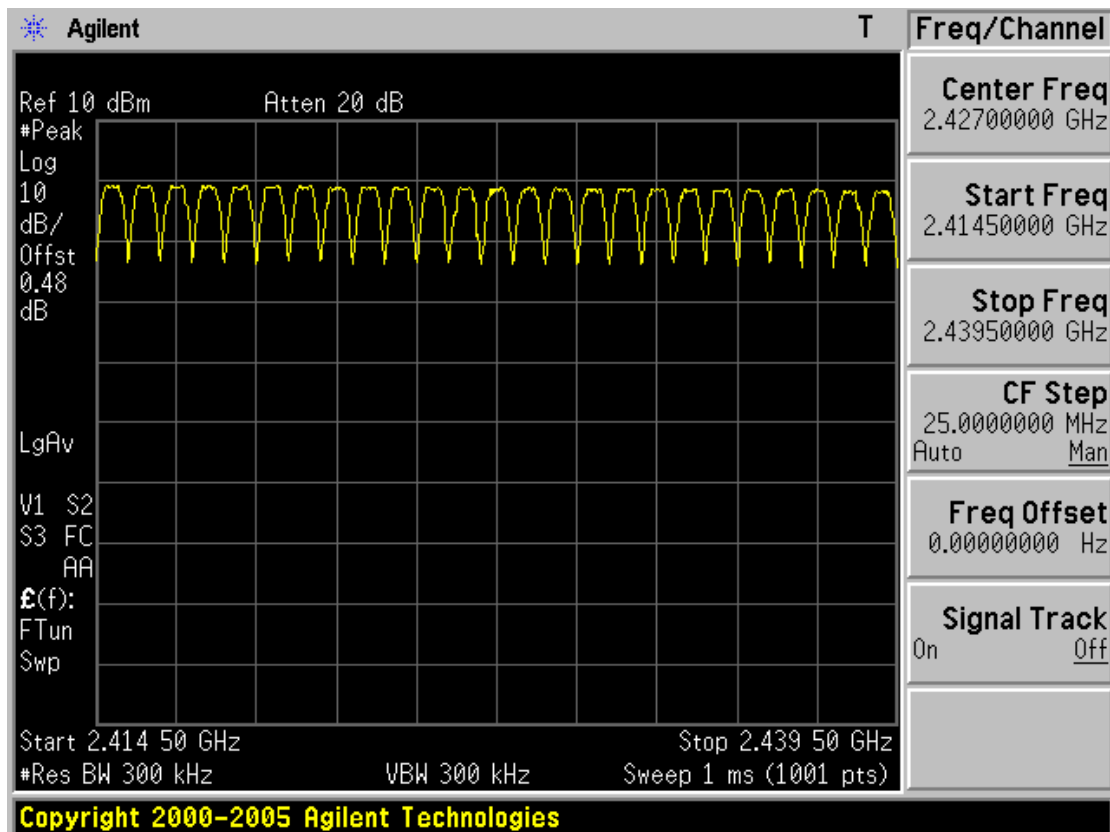
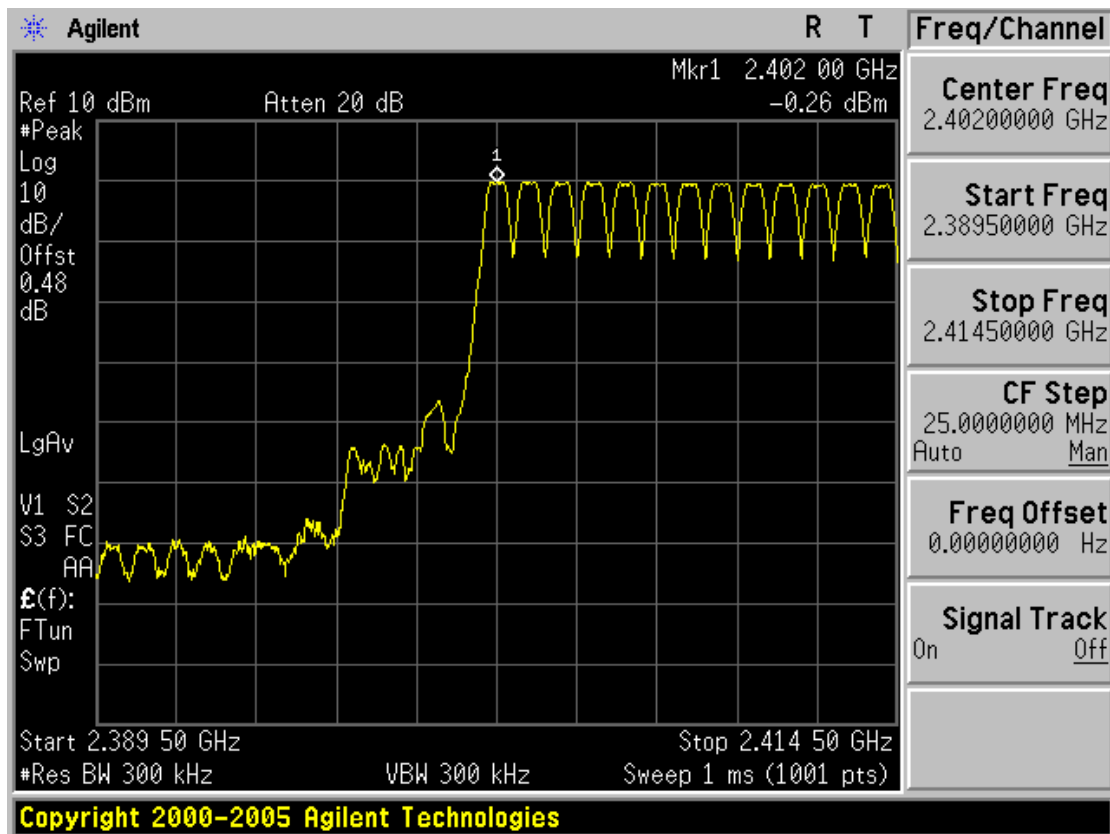
Minimum Standard:

At least 15 hopes

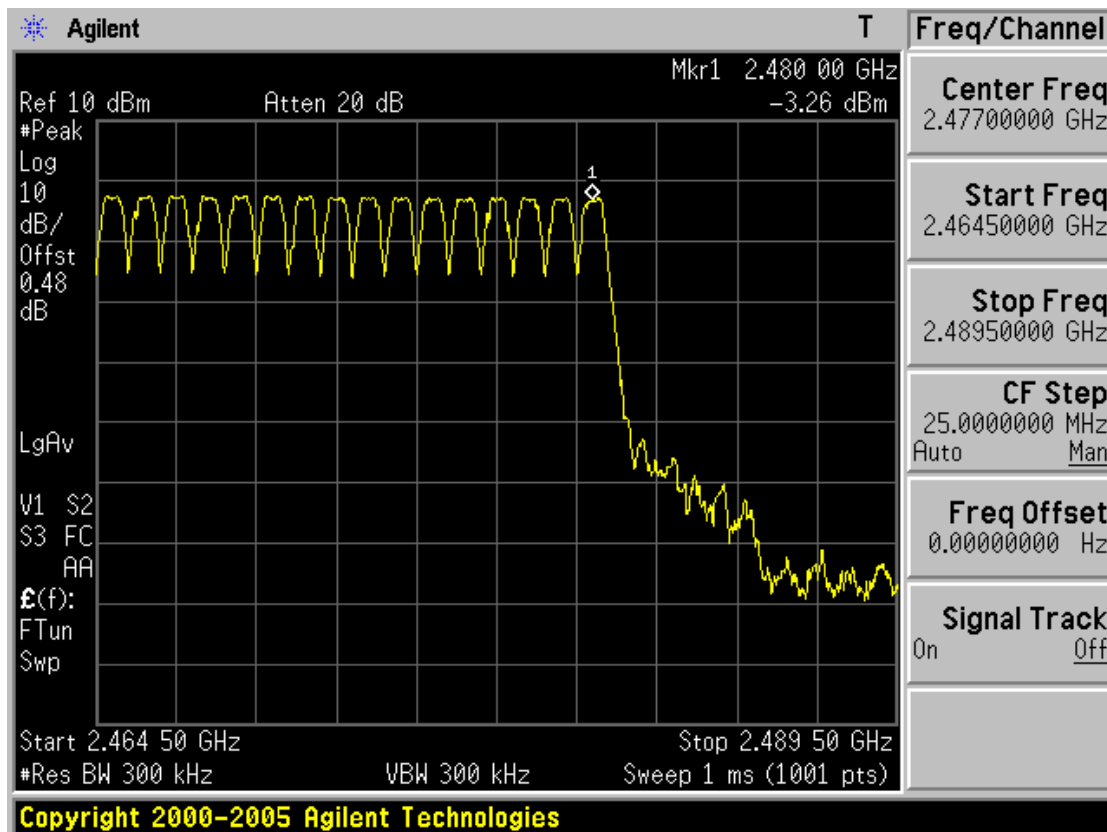
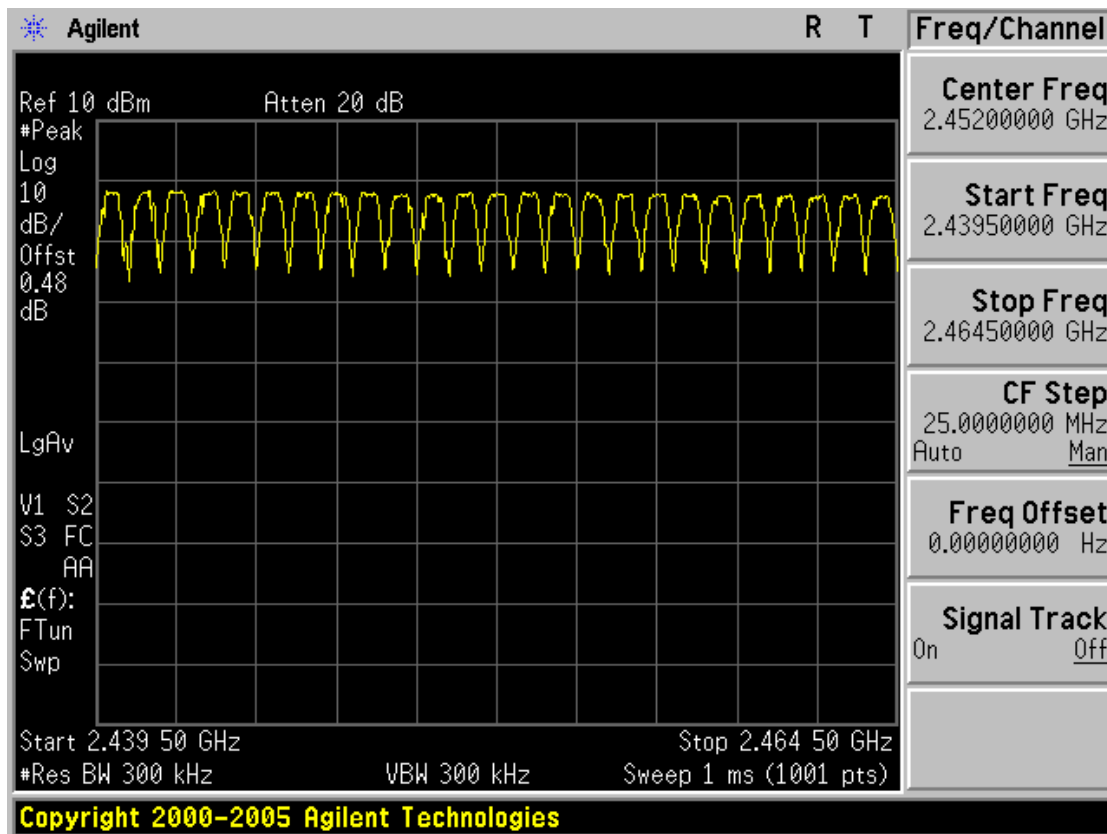
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

Number of Hopping Frequencies



Number of Hopping Frequencies



3.2.3 20 dB Bandwidth

Procedure:

The bandwidth at 20 dB below the highest inband spectral density was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels..

After the trace being stable, Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

Span = 2 MHz (approximately 2 or 3 times of the 20 dB bandwidth)

RBW = 10 kHz (1% of the 20dB bandwidth or more) Sweep = auto

VBW = 30 kHz (VBW ≥ RBW) Detector function = peak

Trace = max hold

Measurement Data:

Frequency (MHz)	Channel No.	Test Results	
		Measured Bandwidth (MHz)	Result
2402	1	0.935	Comply
2441	40	0.935	Comply
2480	79	0.935	Comply

- See next pages for actual measured spectrum plots.

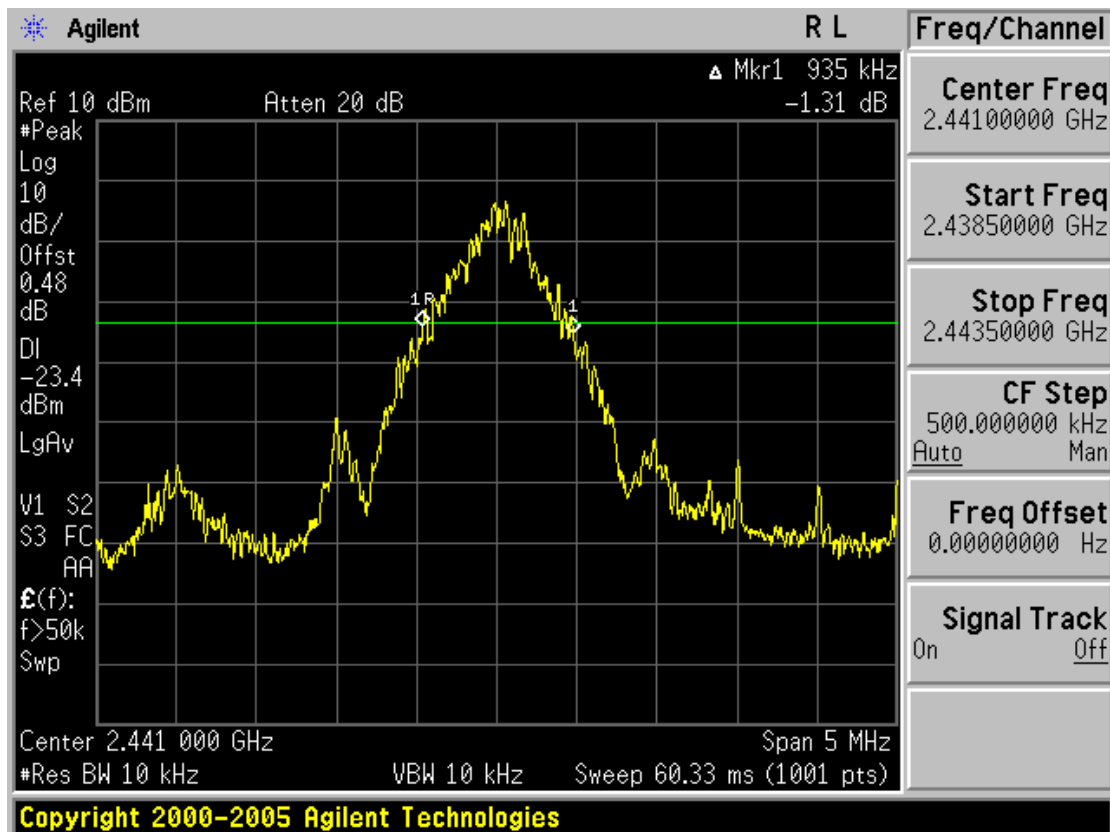
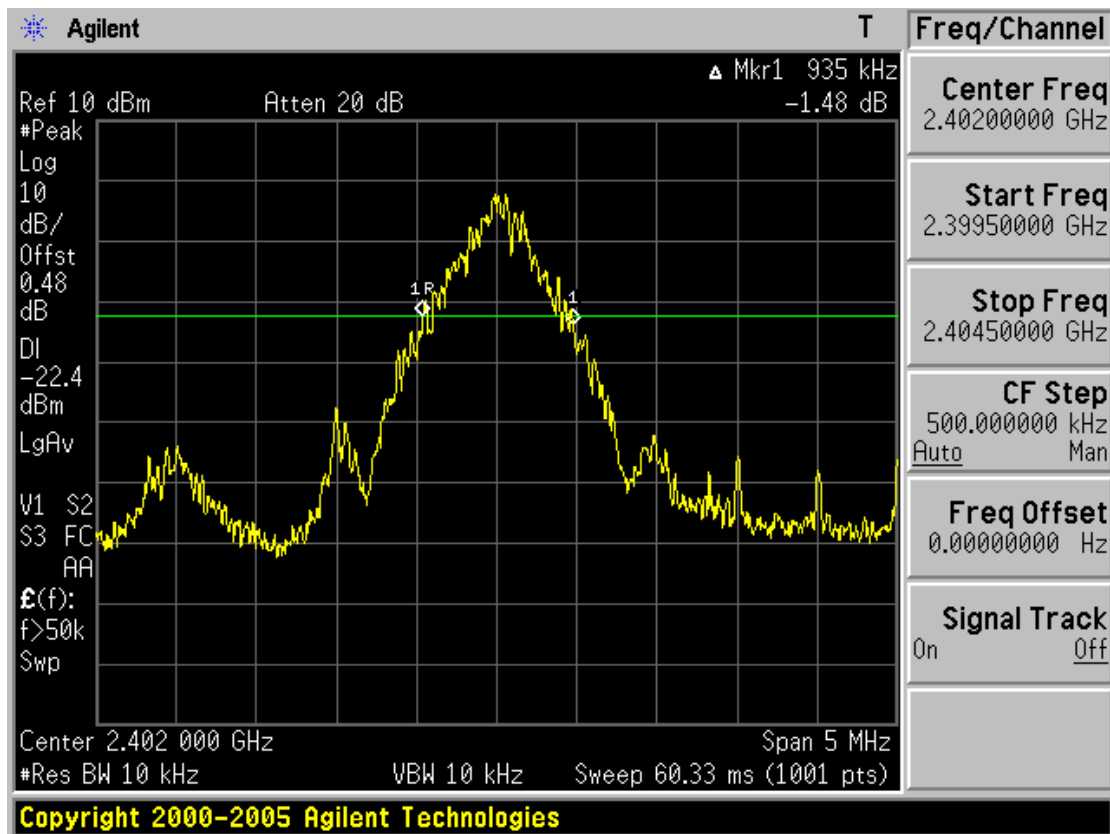
Minimum Standard:

None

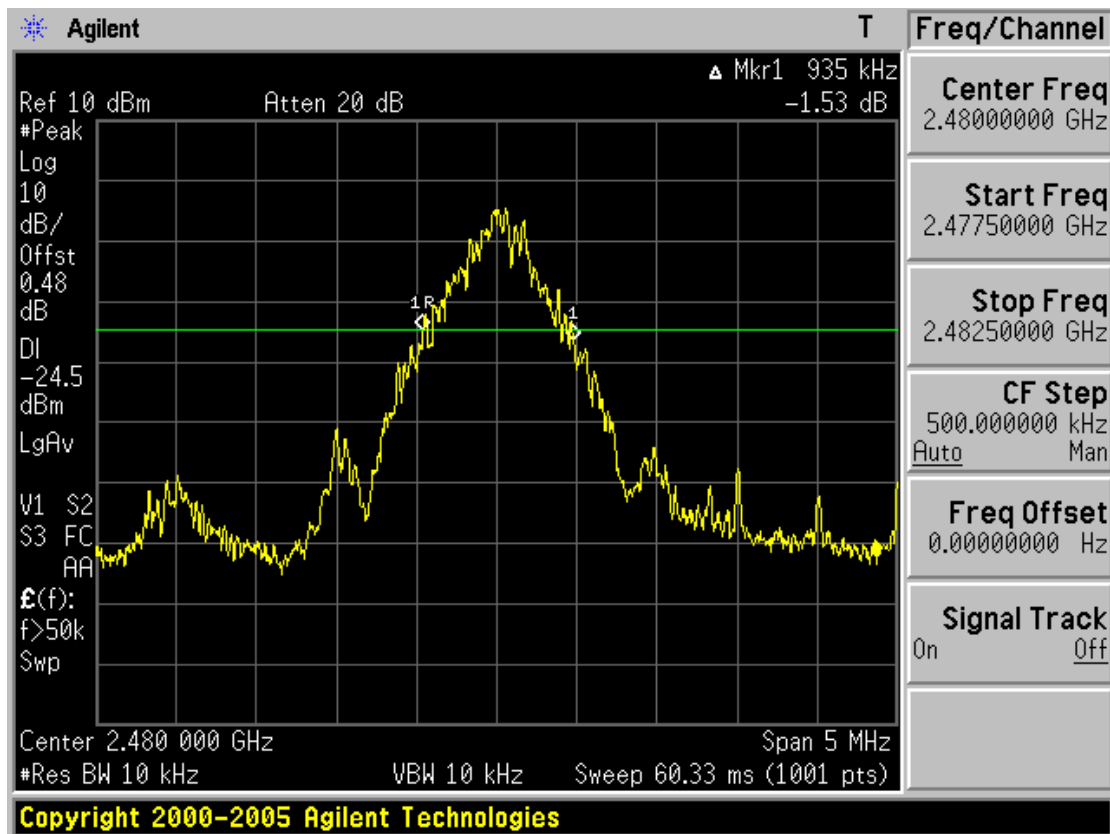
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

20 dB Bandwidth



20 dB Bandwidth



3.2.4 Time of Occupancy (Dwell Time)

Procedure:

The dwell time was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function enabled.

The spectrum analyzer is set to:

Center frequency = 2441 MHz

Span = zero

RBW = 1 MHz

VBW = 1 MHz (VBW ≥ RBW)

Trace = max hold

Detector function = peak

Measurement Data:

Packet Type	Burst duration in one hop (us)	Test Results	
		Dwell Time (ms)	Result
DH 1	396	126.764	Comply
DH 3	1650	265.914	Comply
DH 5	2900	308.821	Comply

- See next pages for actual measured spectrum plots.

Minimum Standard:

0.4 seconds within a 30 second period per any frequency

Measurement Setup

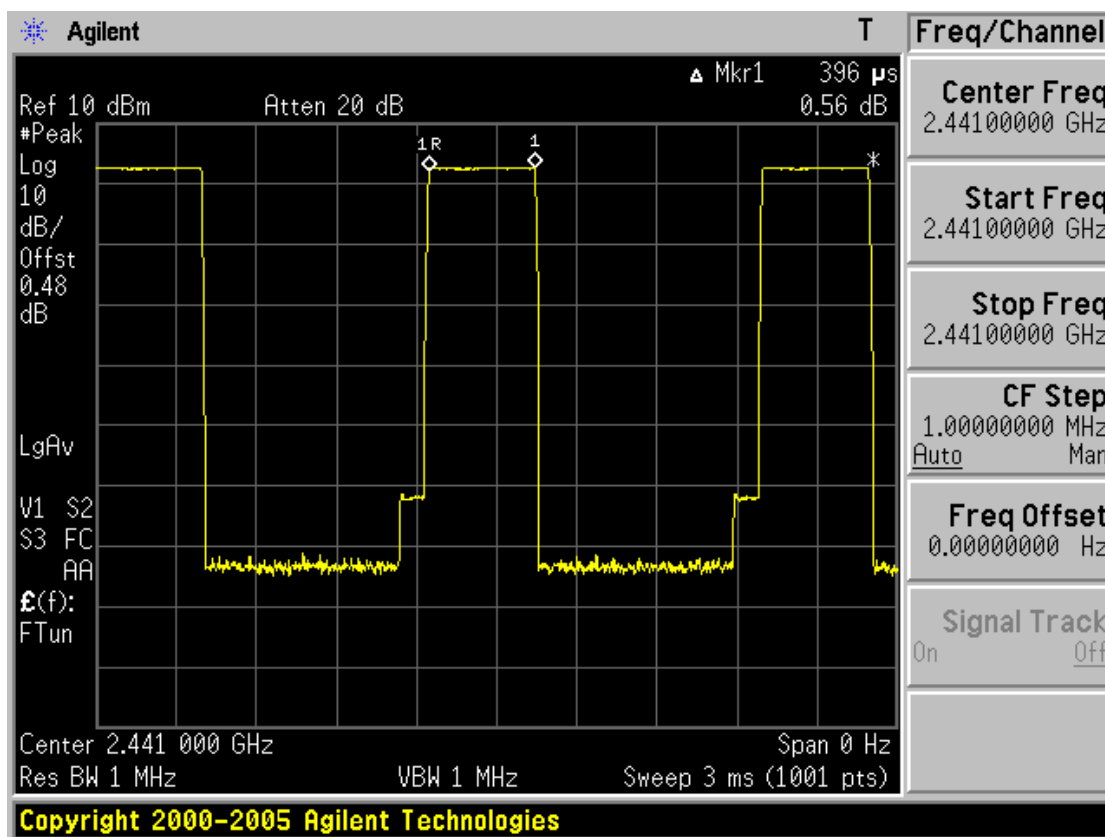
Same as the Chapter 3.2.1 (Figure 1)

Time of Occupancy for Packet Type DH 1

The system makes worst case 1600 hops per second or 1 time slot has a length of 625 us with 79 channels. A DH 1 Packet need 1 time slot for transmitting and 1 time slot for receiving. Then the system makes worst case 1600/2 = 800 hops per second with 79 channels. So you have each channel 800/79 = 10.13 times per second and so for a period of 0.4 x 79 = 31.6 seconds you have 10.13 x 31.6 = 320.11 times of appearance.

Each Tx-time per appearance is 396 us

So we have 320.11 x 396us = 126.764 ms per 31.6 seconds.

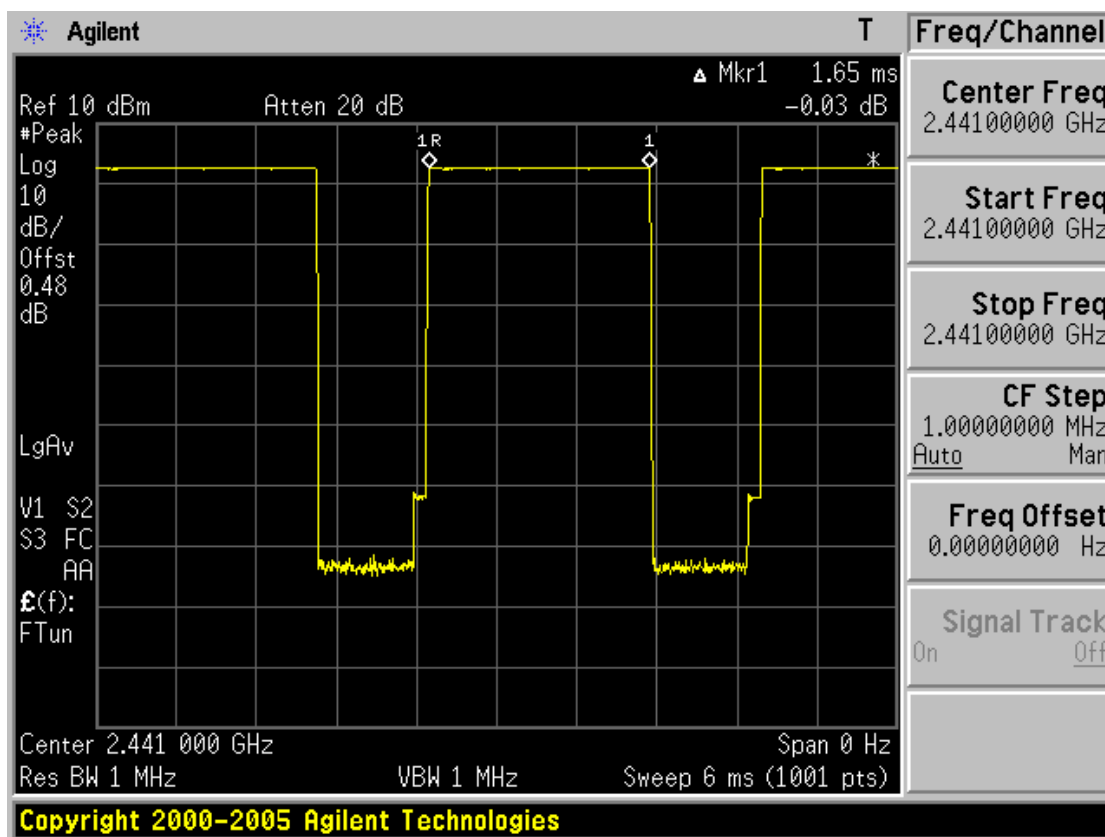


Time of Occupancy for Packet Type DH 3

The system makes worst case 1600 hops per second or 1 time slot has a length of 625 us with 79 channels. A DH 3 Packet need 3 time slot for transmitting and 1 time slot for receiving. Then the system makes worst case 1600/4 = 400 hops per second with 79 channels. So you have each channel 400/79 = 5.1 times per second and so for a period of 0.4 x 79 = 31.6 seconds you have 5.1 x 31.6 = 161.16 times of appearance.

Each Tx-time per appearance is 1.65 ms

So we have 161.16 x 1.65 ms = 265.914 ms per 31.6 seconds.

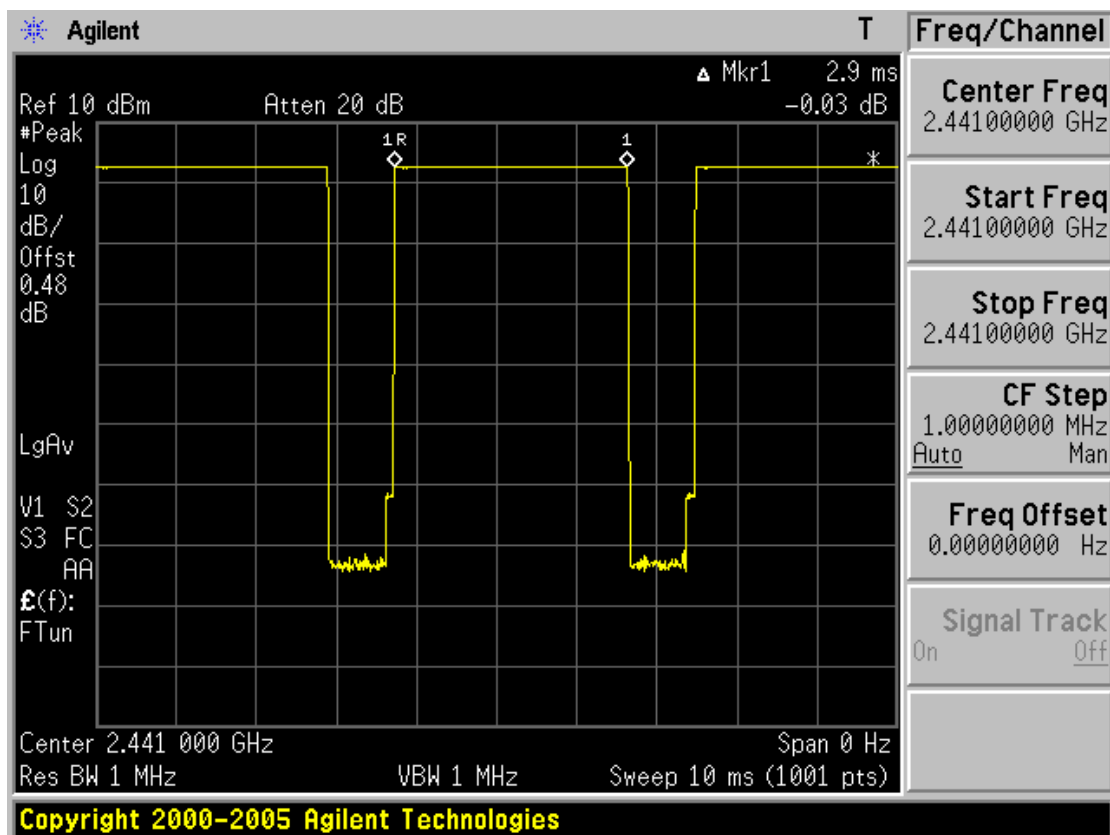


Time of Occupancy for Packet Type DH 5

The system makes worst case 1600 hops per second or 1 time slot has a length of 625 us with 79 channels. A DH 5 Packet need 5 time slot for transmitting and 1 time slot for receiving. Then the system makes worst case 1600/6 = 266.67 hops per second with 79 channels. So you have each channel $266.67/79 = 3.37$ times per second and so for a period of $0.4 \times 79 = 31.6$ seconds you have $3.37 \times 31.6 = 106.49$ times of appearance.

Each Tx-time per appearance is 2.9ms

So we have $106.49 \times 2.9 \text{ ms} = 308.821 \text{ ms}$ per 31.6 seconds.



3.2.5 Peak Output Power

Procedure:

The peak output power was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels..

After the trace being stable, Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

Span = 5 MHz (approximately 5 times of the 20 dB bandwidth)

RBW = 1 MHz (greater than the 20dB bandwidth of the emission being measured)

VBW = 1 MHz (VBW ≥ RBW)

Detector function = peak

Trace = max hold

Sweep = auto

Measurement Data:

Frequency (MHz)	Ch.	Test Results		
		dBm	mW	Result
2402	1	3.65	2.317	Comply
2441	40	2.55	1.799	Comply
2480	79	1.47	1.403	Comply

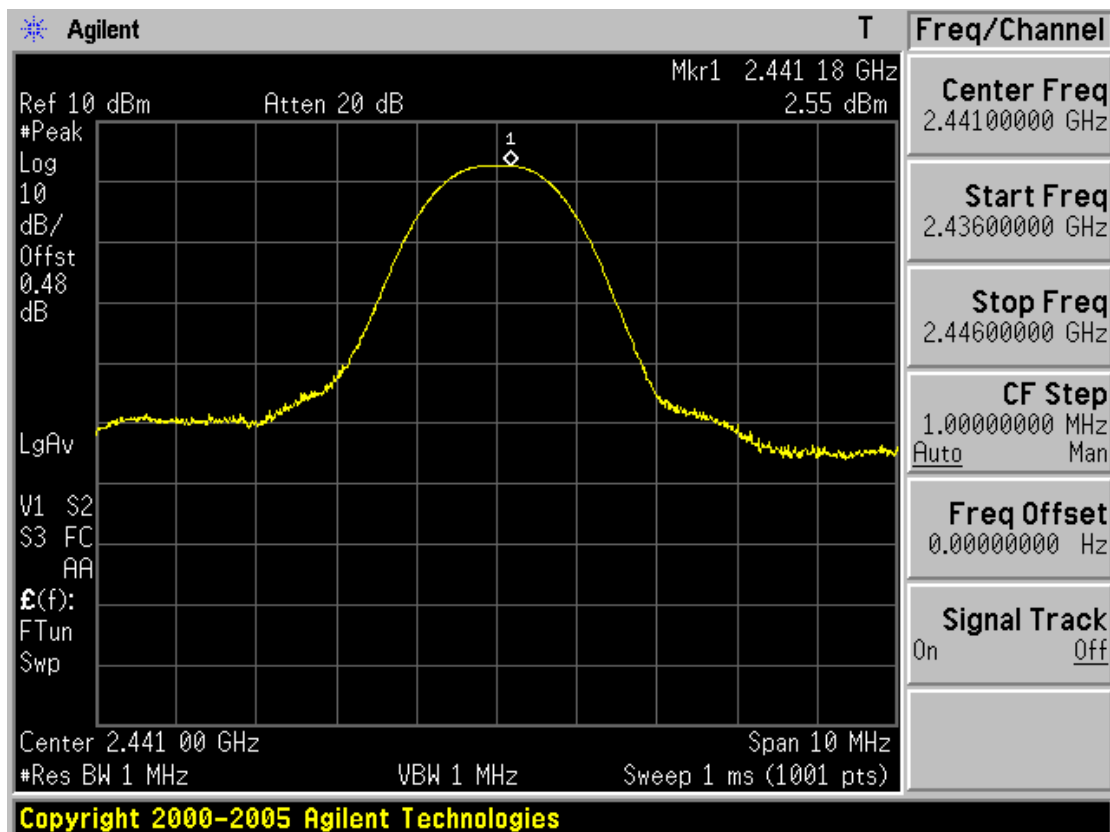
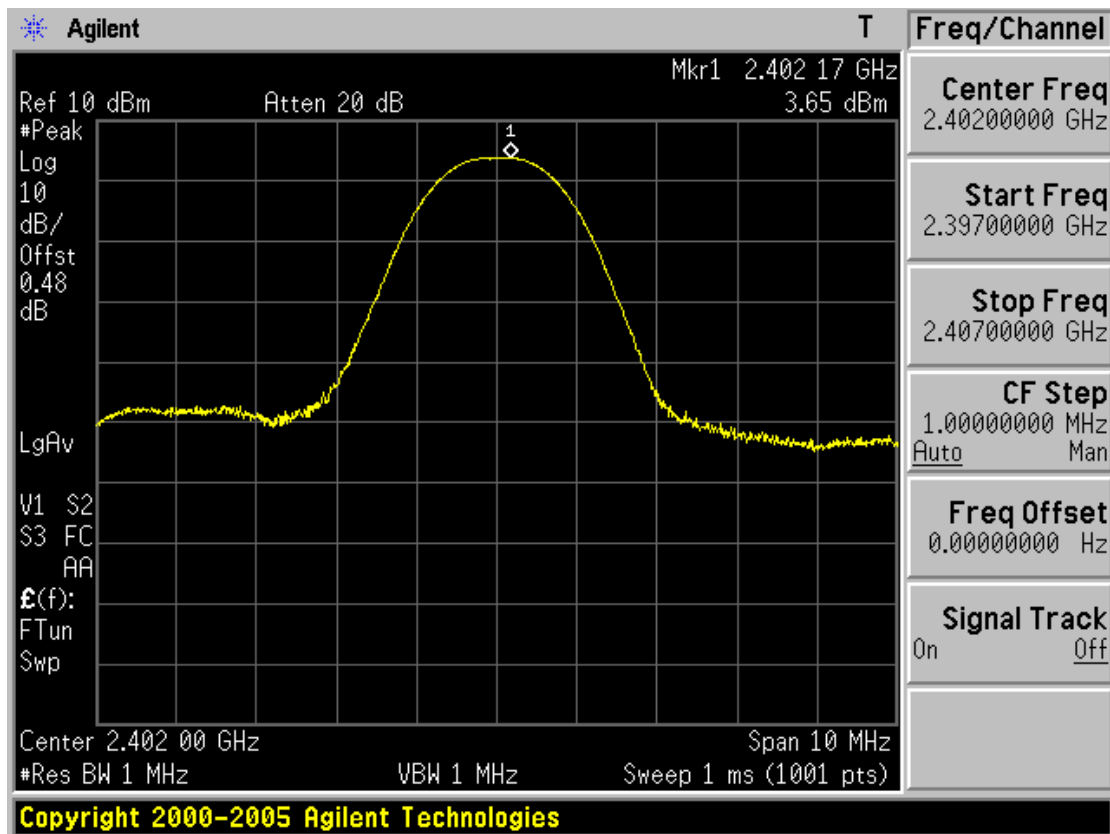
- See next pages for actual measured spectrum plots.

Minimum Standard:	For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 Watt . For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 Watts
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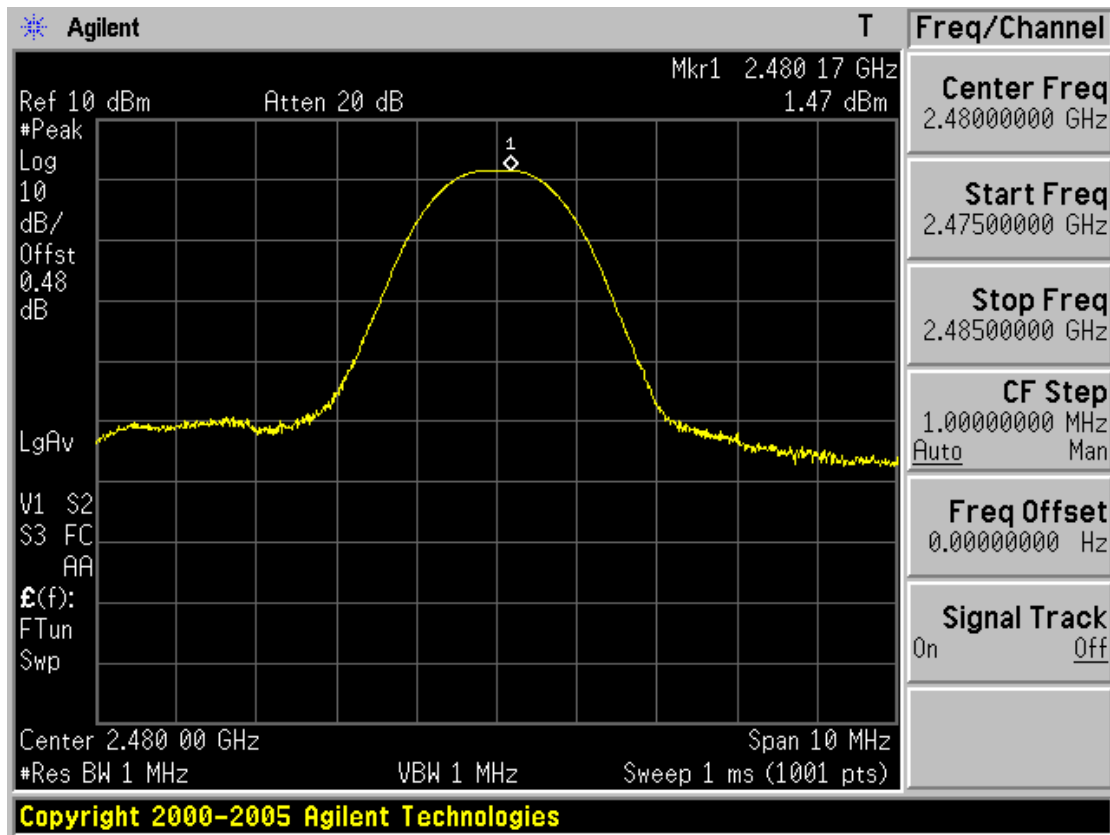
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

Peak Output Power



Peak Output Power



3.2.6 Conducted Spurious Emissions

Procedure:

The bandwidth at 20dB down from the highest inband spectral density is measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels.

After the trace being stable, Use the marker-to-peak function to measure 20 dB down both sides of the intentional emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 100 kHz

VBW = 100 kHz

Span = 100 MHz

Detector function = peak

Trace = max hold

Sweep = auto

Measurement Data: Comply

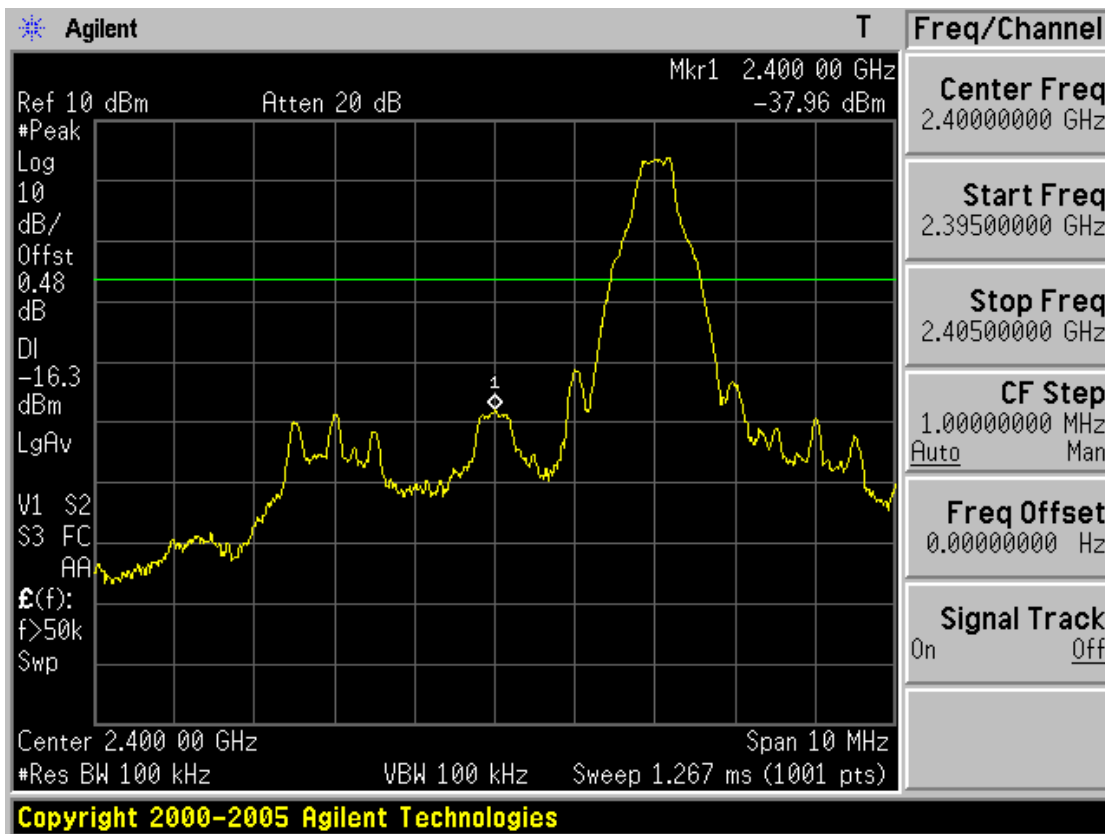
- All conducted emission in any 100kHz bandwidth outside of the spread spectrum band was at least 20dB lower than the highest inband spectral density..
- See next pages for actual measured spectrum plots.

Minimum Standard:	> 20 dBc
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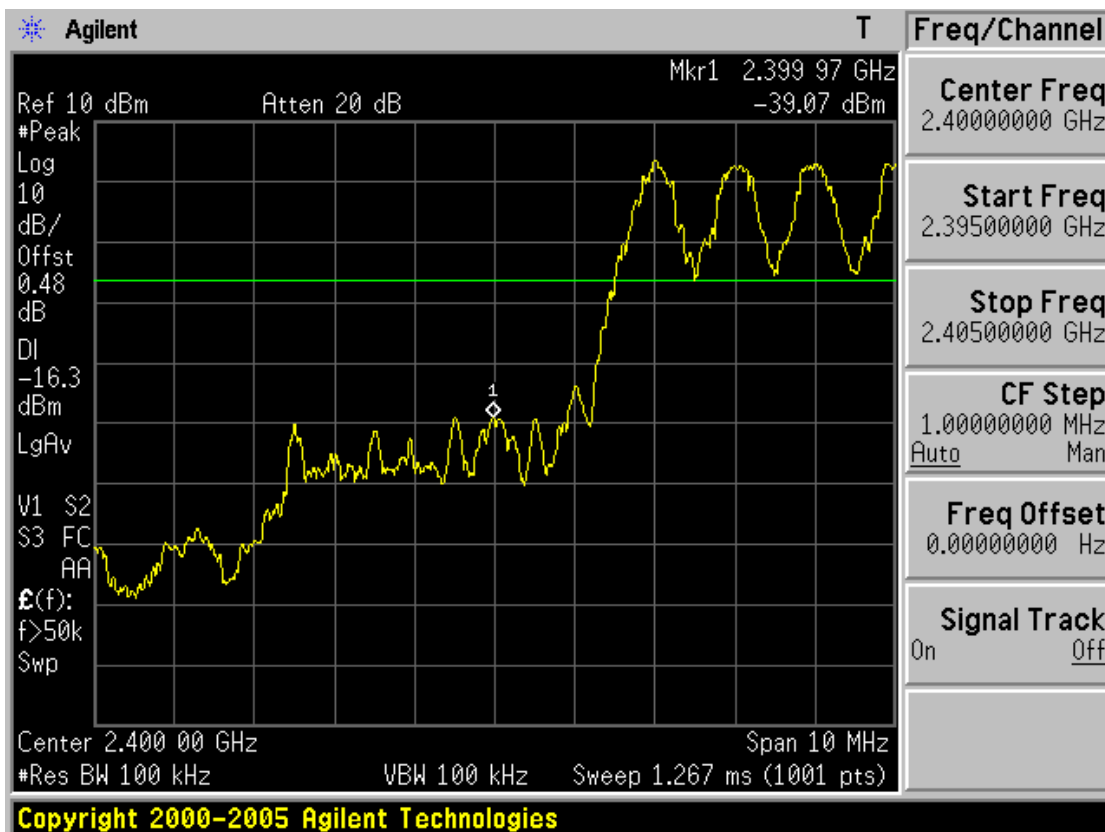
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

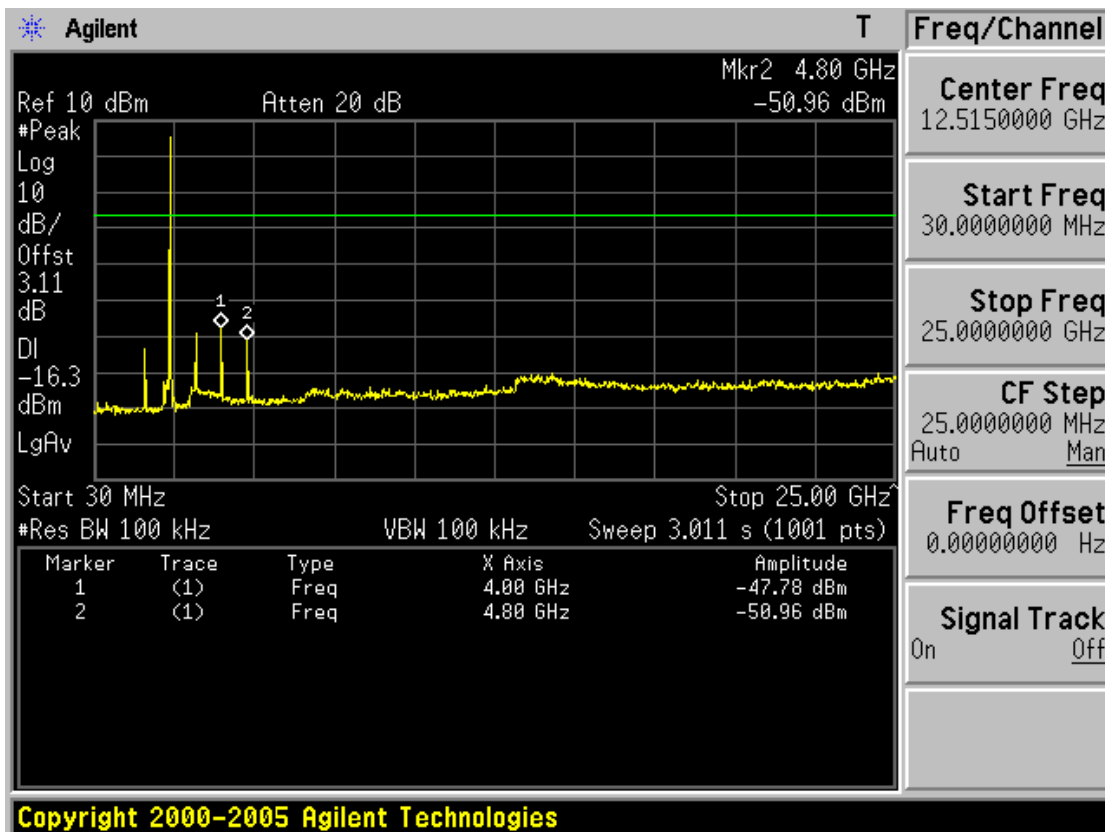
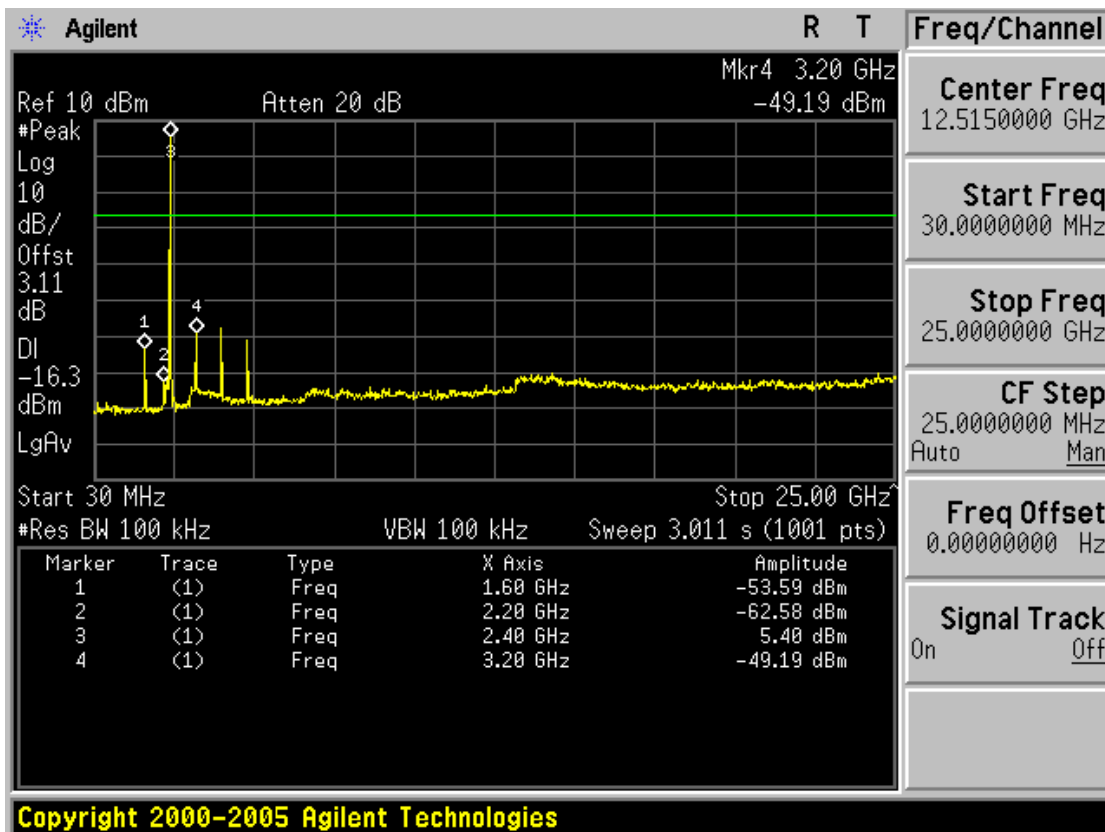
Low band with hopping disabled



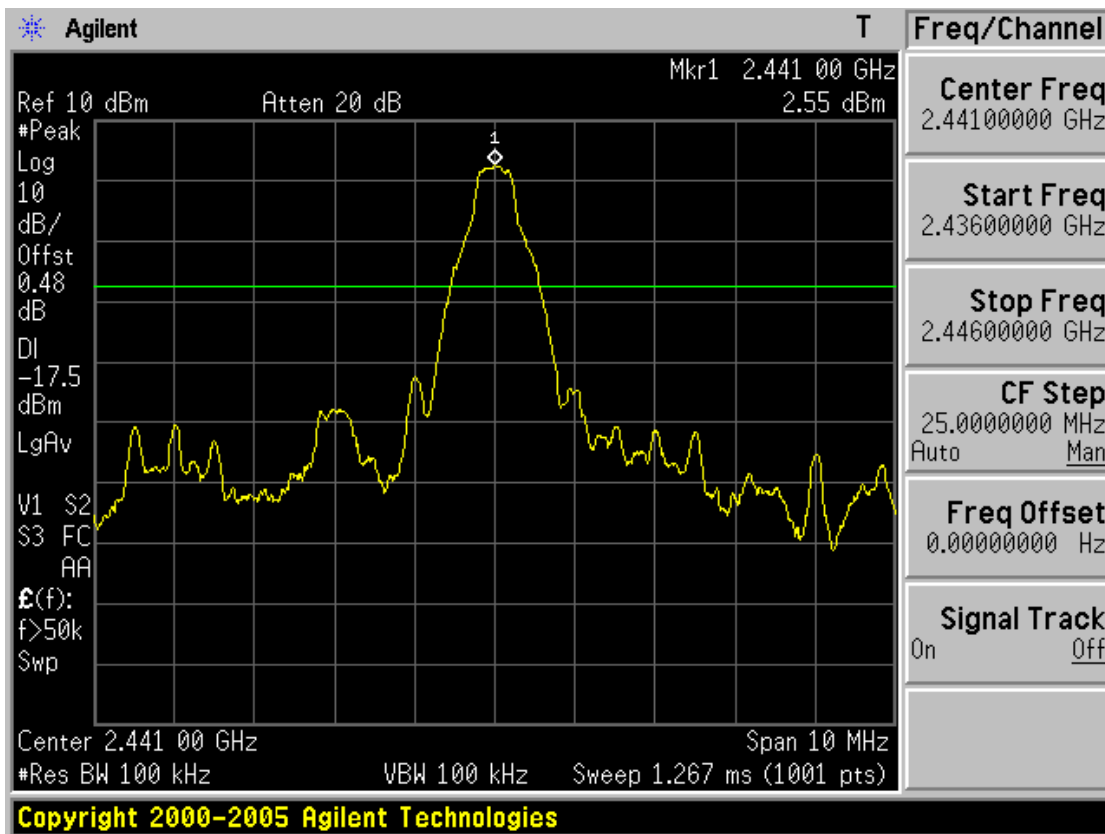
Low band with hopping enabled



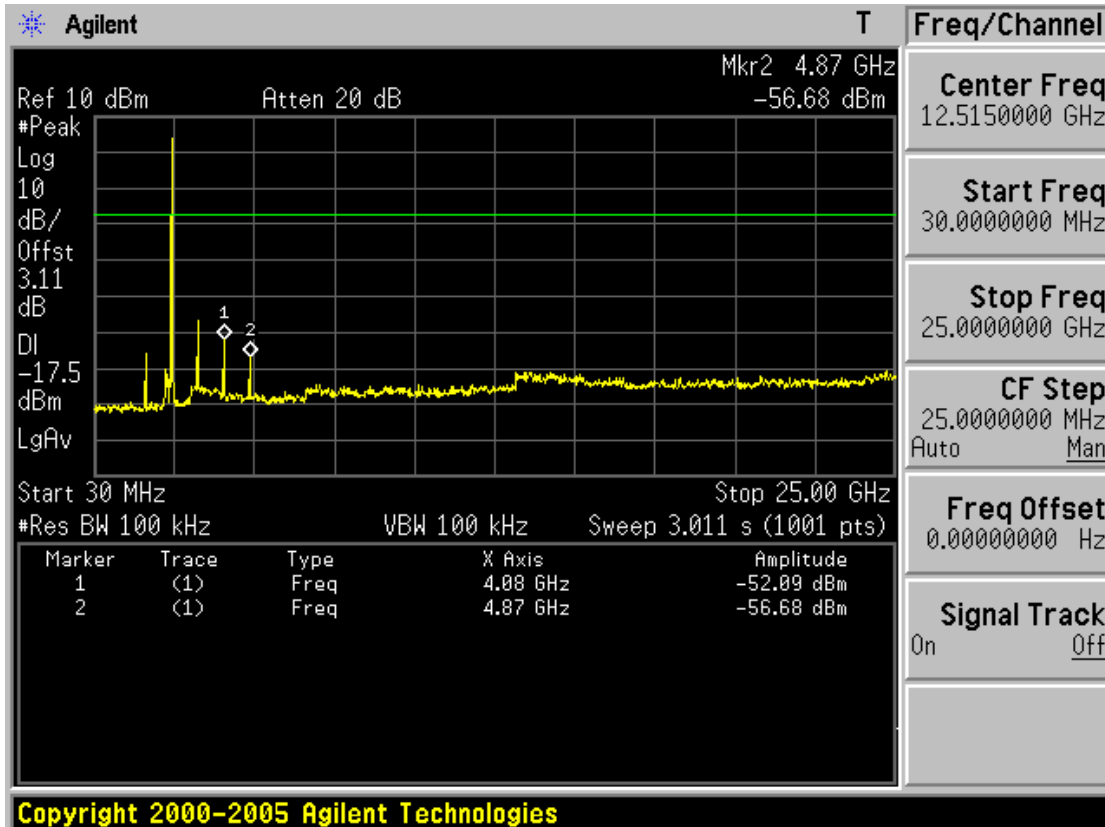
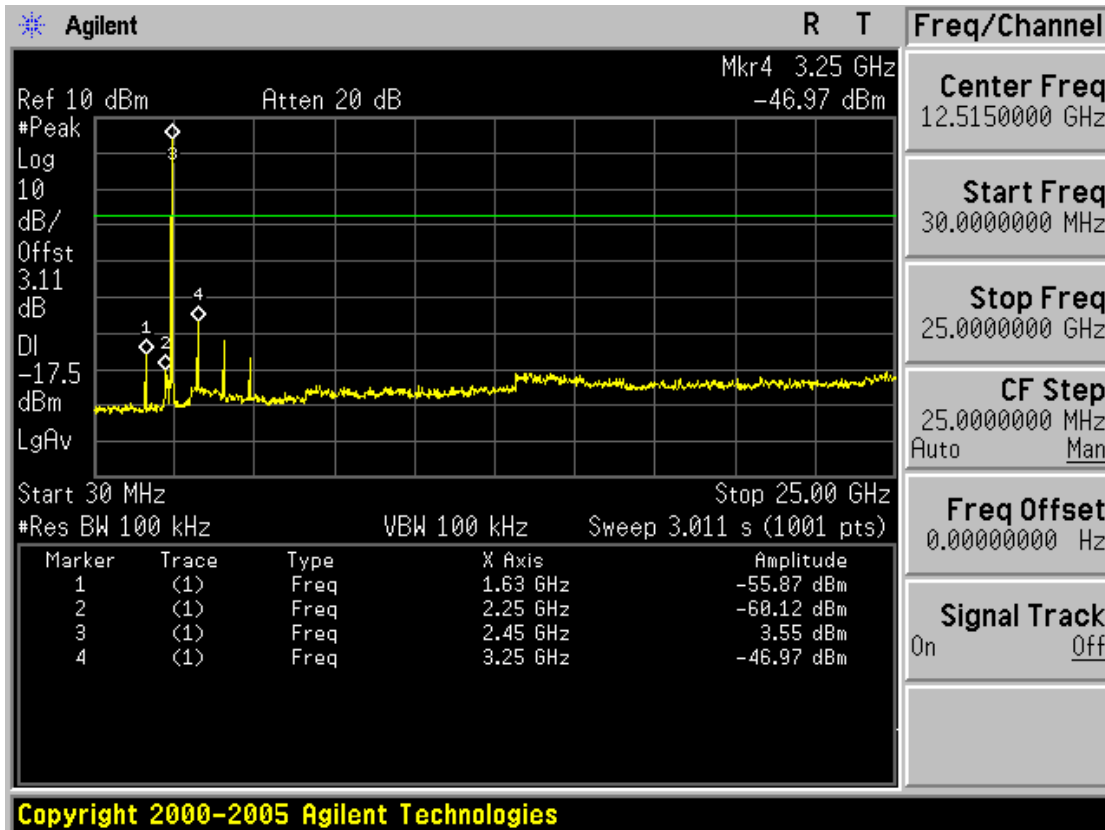
Low channel spurious



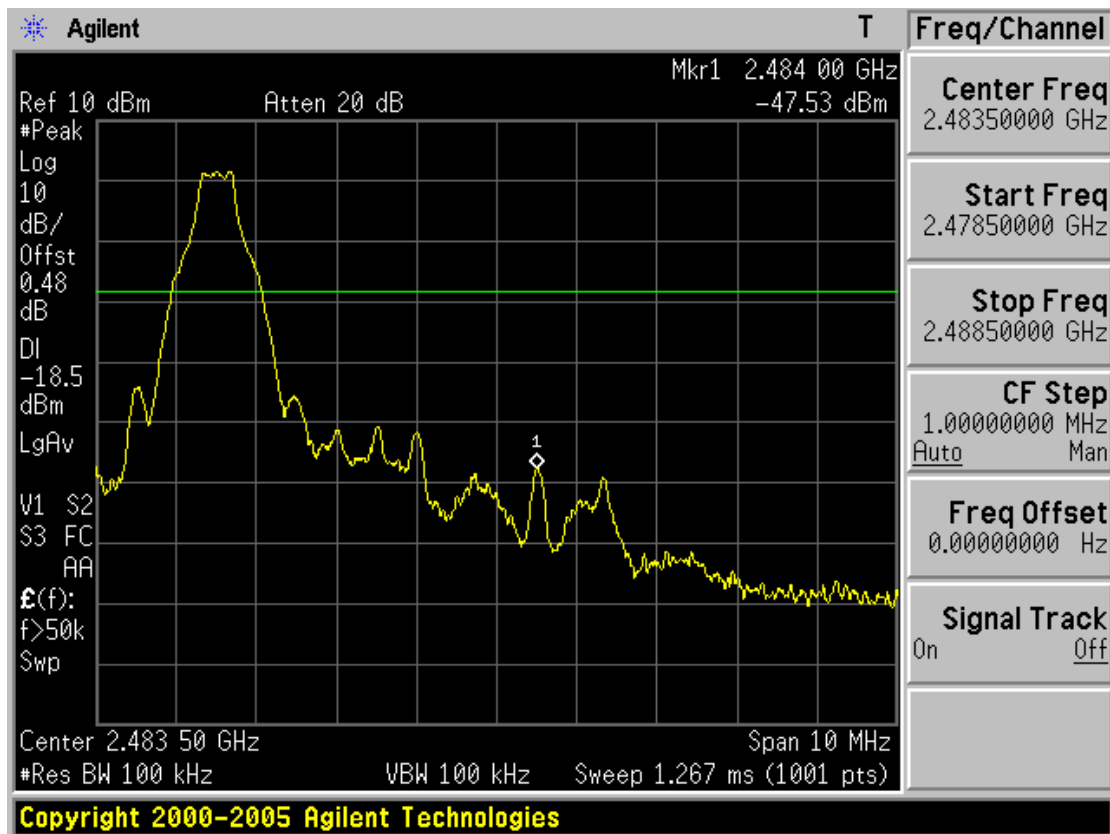
Mid channel ref



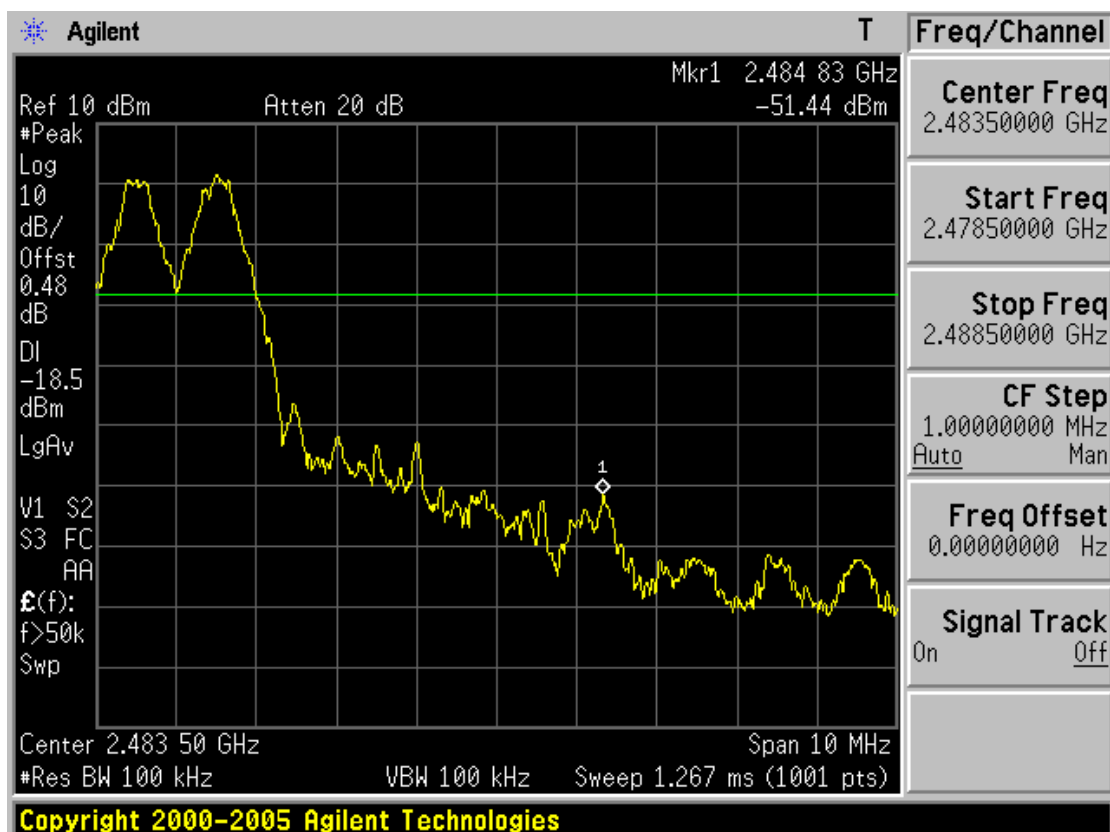
Mid channel spurious



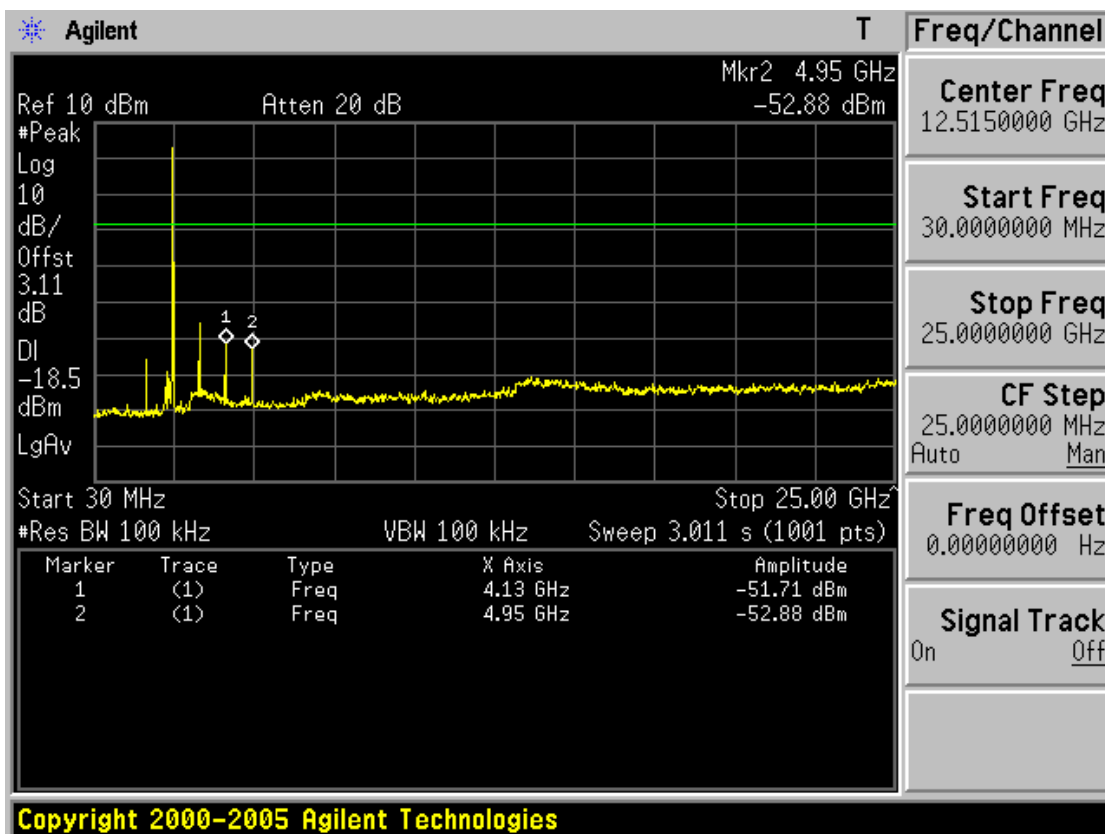
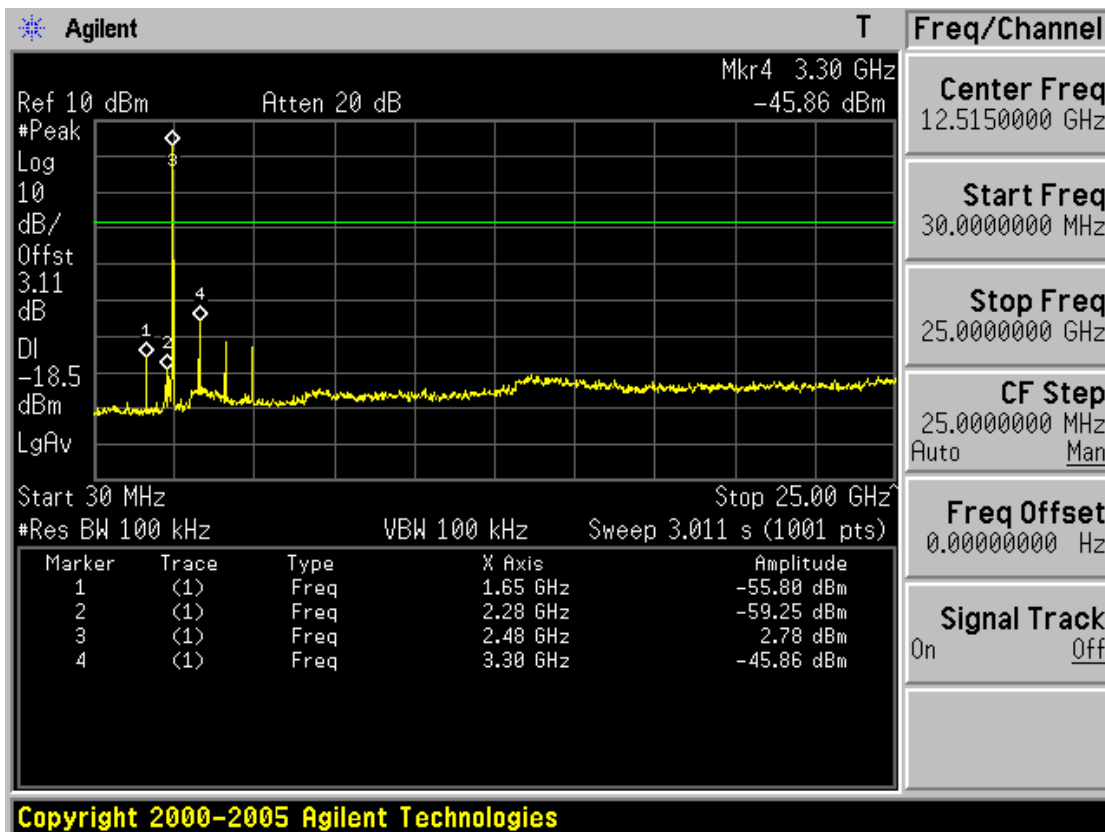
High band with hopping disabled



High band with hopping enabled



High channel spurious



3.2.7 Radiated Emissions

Procedure:

The EUT was placed on a 0.8m high wooden table inside a shielded enclosure. An antenna was placed near the EUT and measurements of frequencies and amplitudes of field strengths were recorded for reference during final measurements. For final radiated testing, measurements were performed in OATS. Measurements were performed with the EUT oriented in 3 orthogonal axis and rotated 360 degrees to determine worst-case orientation for maximum emissions.

The spectrum analyzer is set to:

Center frequency = the worst channel

Frequency Range = 30 MHz ~ 10th harmonic.

RBW = 120 kHz (30MHz ~ 1 GHz)

= 1 MHz (1 GHz ~ 10th harmonic)

Trace = max hold

VBW ≥ RBW (Peak)

VBW = 10Hz (Average)

Sweep = auto

Measurement Data: Comply

- Refer to the next page.
- The plot data for low and high restricted band edges is expressed in dBuV unit due to the spectrum analyzer is not support dBuV/m unit. But the results must be field strength value in dBuV/m unit because the results included offset value such as antenna factor, cable loss and external AMP gain

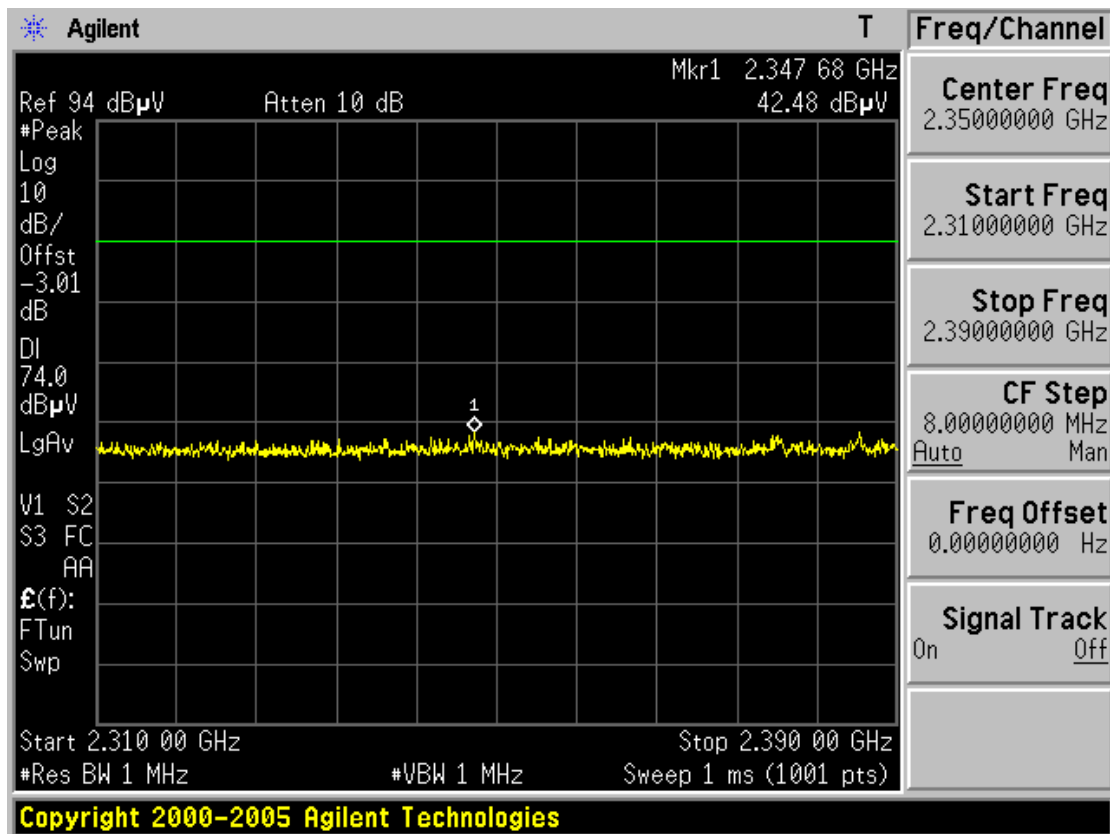
Minimum Standard: FCC Part 15.205 (a), 15.205(b), 15.209(a) and (b)

Limit : FCC P15.209(a)

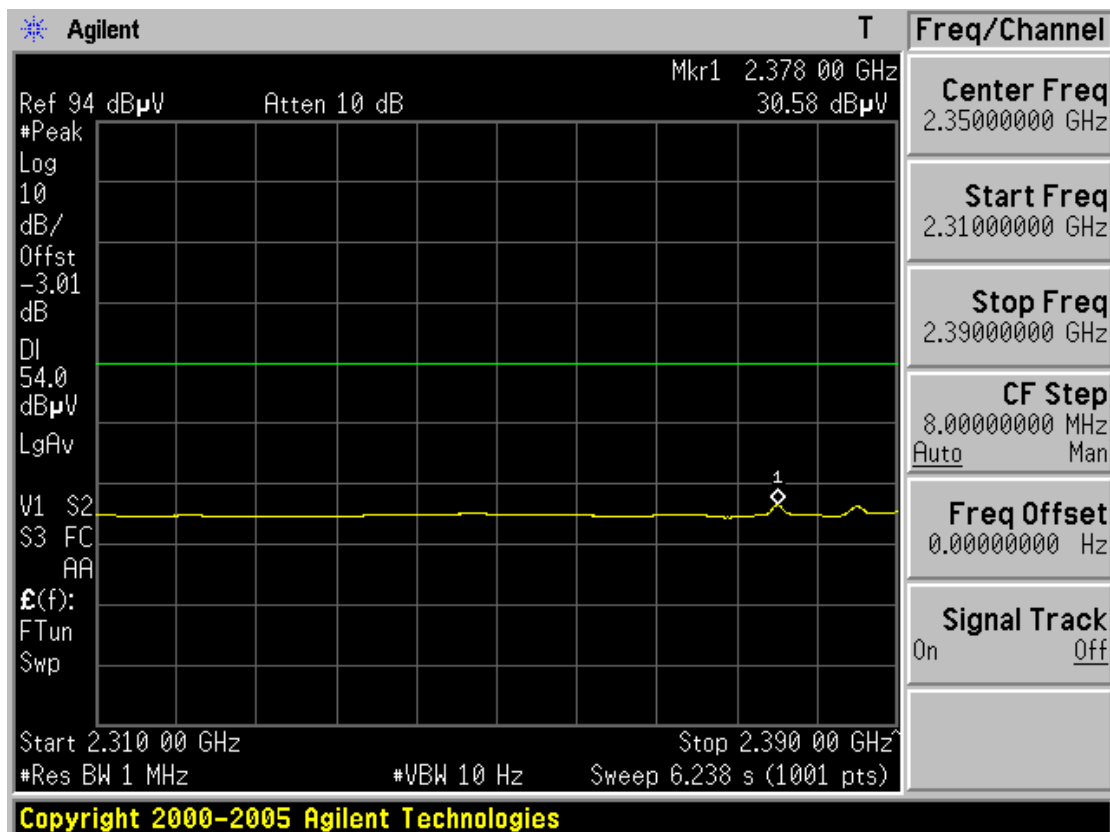
Frequency (MHz)	Limit (uV/m) @ 3m
30 ~ 88	100 **
88 ~ 216	150 **
216 ~ 960	200 **
Above 960	500

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88MHz, 174-216MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

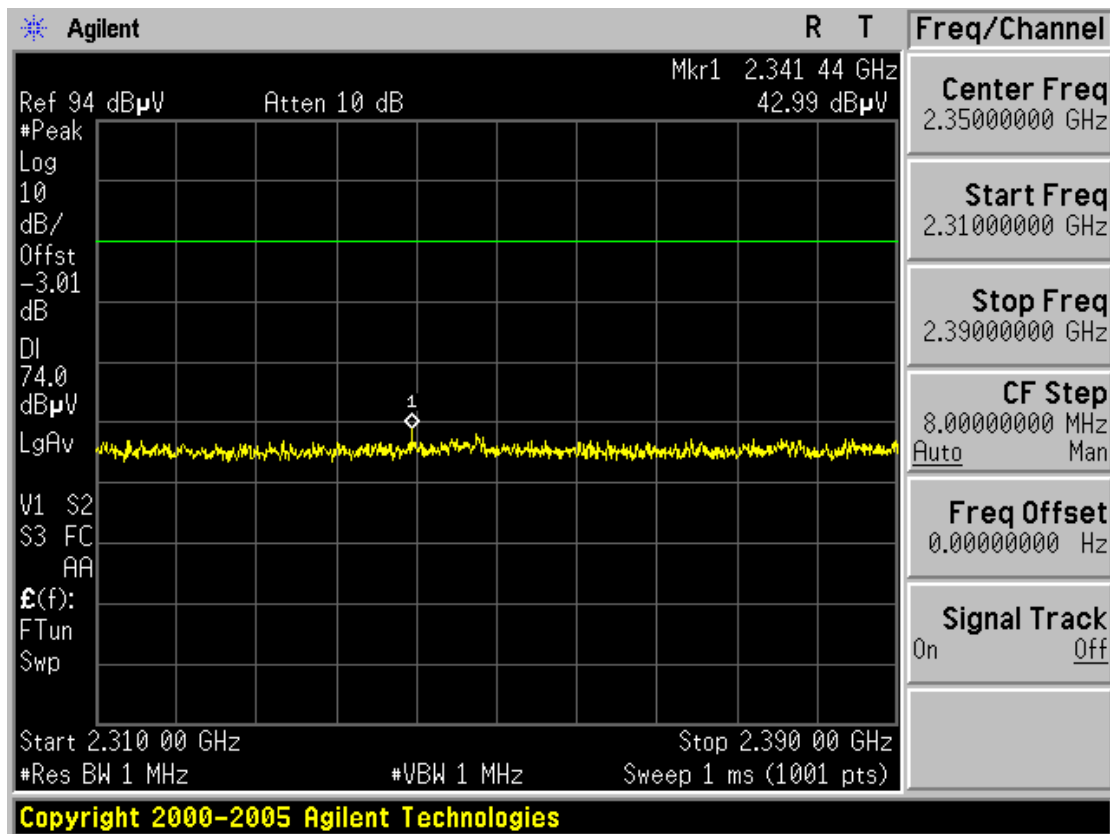
Restricted Band Edge: Low Channel (Peak, Horizontal)



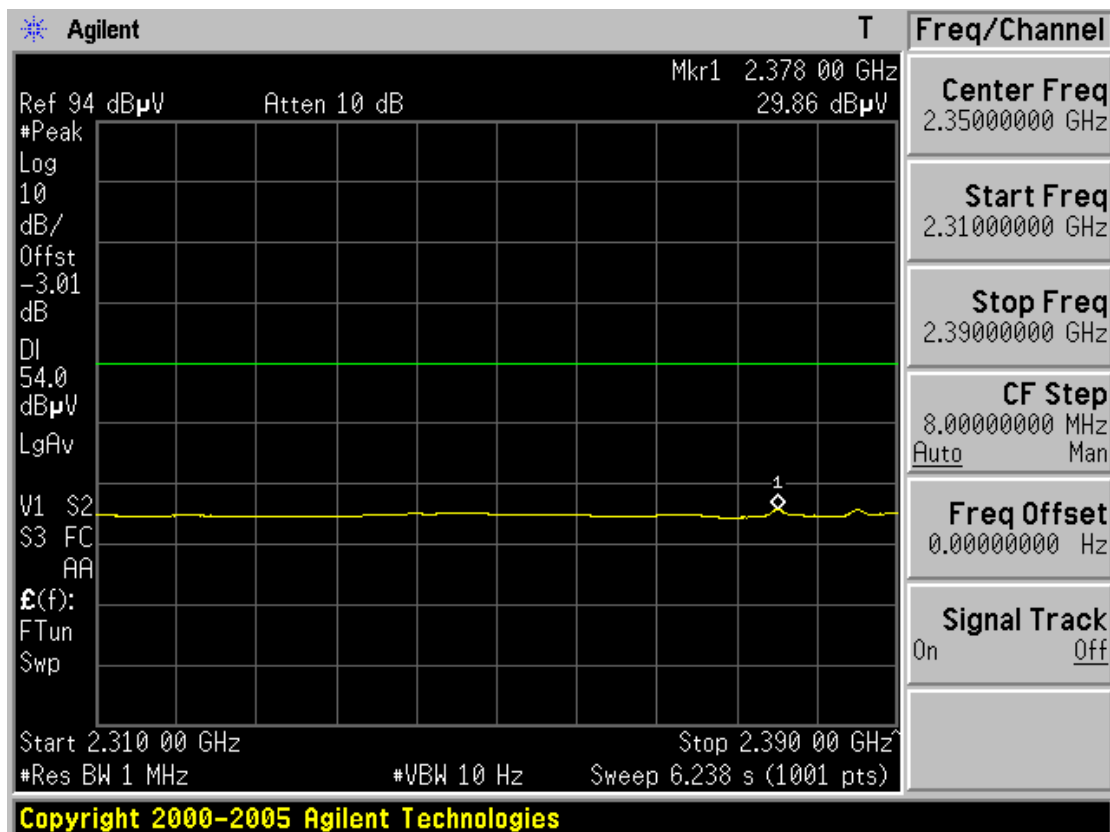
Restricted Band Edge: Low Channel (Average, Horizontal)



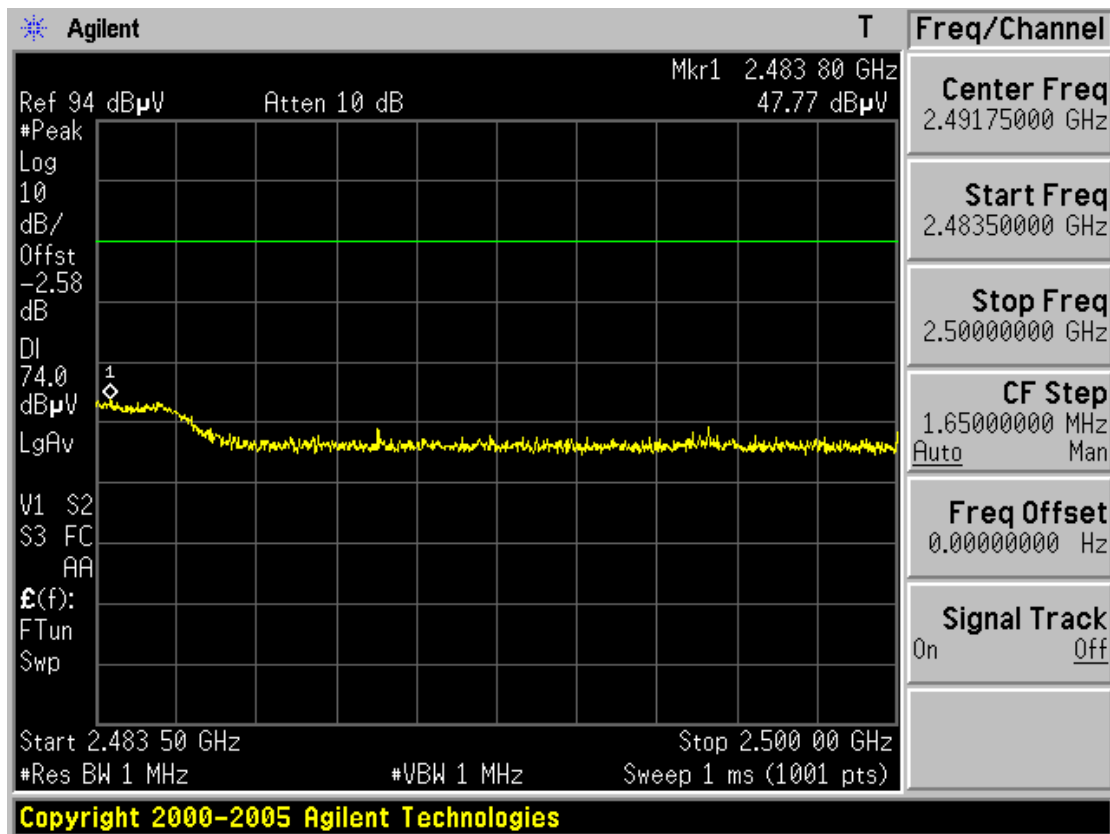
Restricted Band Edge: Low Channel (Peak, Vertical)



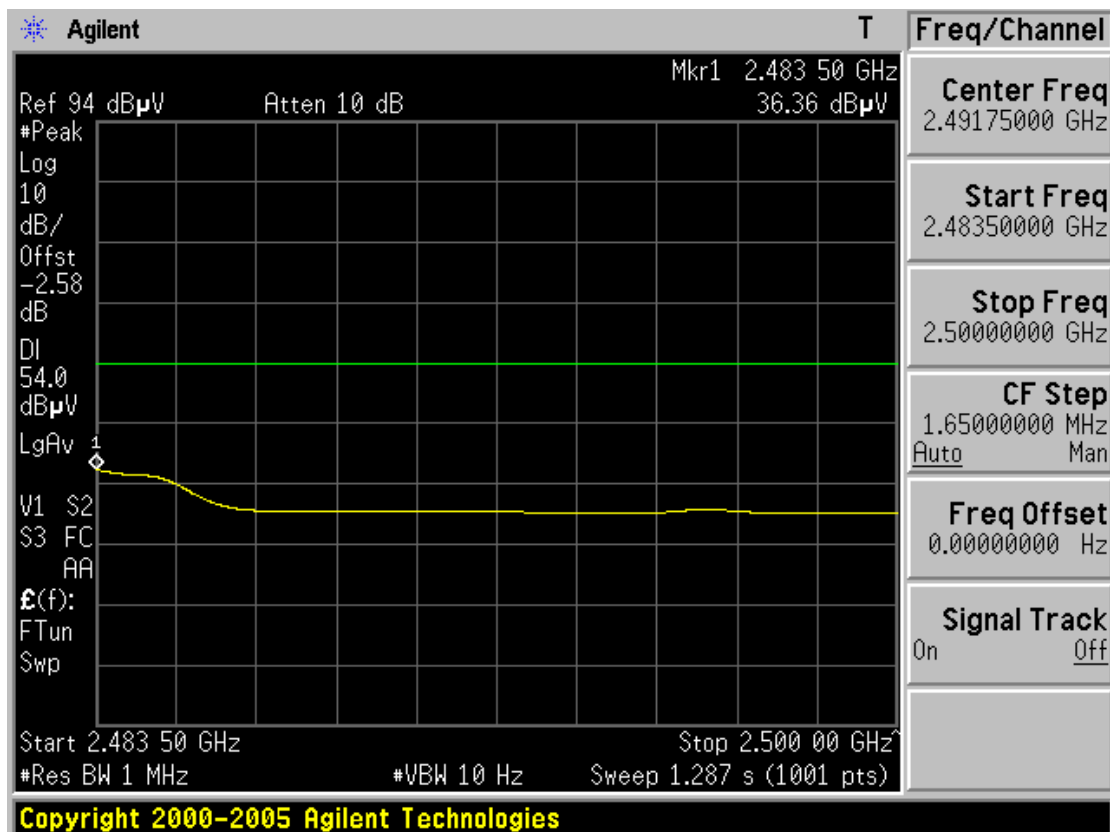
Restricted Band Edge: Low Channel (Average, Vertical)



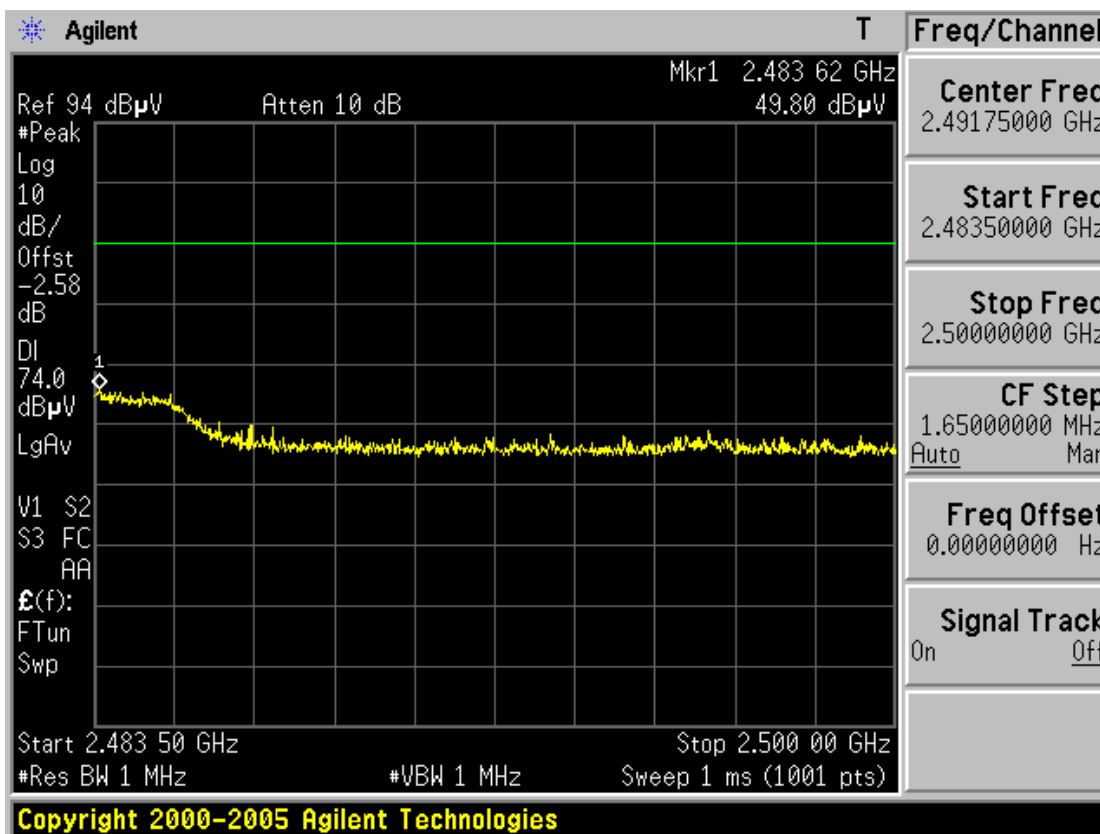
Restricted Band Edge: High Channel (Peak, Horizontal)



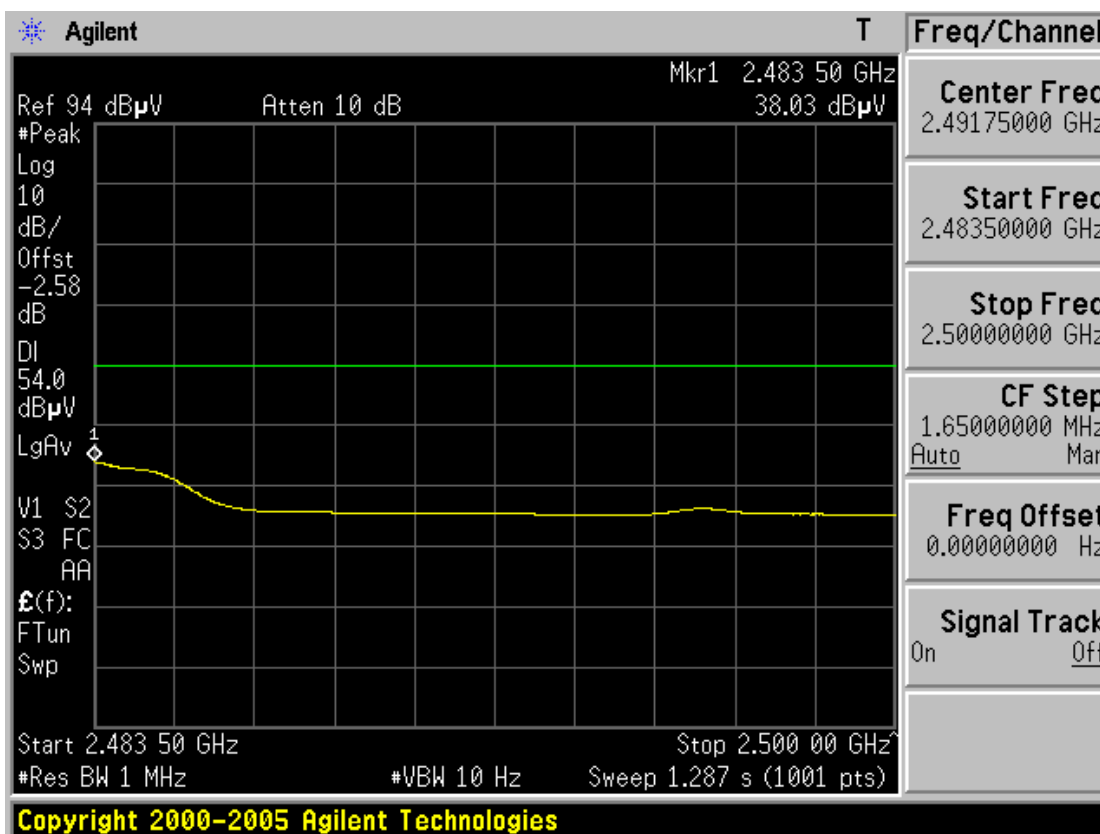
Restricted Band Edge: High Channel (Average, Horizontal)



Restricted Band Edge: High Channel (Peak, Vertical)



Restricted Band Edge: High Channel (Average, Vertical)



Harmonic and other emissions Measurement Data: Fundamental Frequency = 2402MHz

Frequency (MHz)	ANT Pol	Reading(dBuV)			T.F (dB)	Result(dBuV/m)			Limit(dBuV/m)			Margin(dB)		
		QP	PK	AV		QP	PK	AV	QP	PK	AV	QP	PK	AV
4804	Hor	-	48.48	31.42	4.61	-	53.09	36.03	-	74	54	-	20.91	17.97
4804	Ver	-	48.79	31.50	4.61	-	53.40	36.11	-	74	54	-	20.60	17.89
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Harmonic and other emissions Measurement Data: Fundamental Frequency = 2441MHz

Frequency (MHz)	ANT Pol	Reading(dBuV)			T.F (dB)	Result(dBuV/m)			Limit(dBuV/m)			Margin(dB)		
		QP	PK	AV		QP	PK	AV	QP	PK	AV	QP	PK	AV
4882	Hor	-	46.92	33.39	4.92	-	51.84	38.31	-	74.00	54.00	-	22.16	15.69
4882	Ver	-	52.74	38.43	4.92	-	57.66	43.35	-	74.00	54.00	-	16.34	10.65
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Harmonic and other emissions Measurement Data: Fundamental Frequency = 2480MHz

Frequency (MHz)	ANT Pol	Reading(dBuV)			T.F (dB)	Result(dBuV/m)			Limit(dBuV/m)			Margin(dB)		
		QP	PK	AV		QP	PK	AV	QP	PK	AV	QP	PK	AV
4960	Hor	-	44.60	32.71	5.19	-	49.79	37.90	-	74.00	54.00	-	24.21	16.10
4960	Ver	-	47.75	35.45	5.19	-	52.94	40.64	-	74.00	54.00	-	21.06	13.36
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note.

1. No other spurious and harmonic emissions were detected at a level greater than 20dB below limit.
2. If peak result meet AV limit, AV measurement is omitted.
3. Sample Calculation.

$$\text{Margin} = \text{Limit} - \text{Result} \quad / \quad \text{Result} = \text{Reading} + \text{T.F} \quad / \quad \text{T.F} = \text{AF} + \text{CL} - \text{AG}$$

Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain

3.2.8 AC Line Conducted Emissions

Procedure:

The conducted emissions are measured in the shielded room with a spectrum analyzer in peak hold. While the measurement, EUT had its hopping function disabled at the middle channels in line with Section 15.31(m). Emissions closest to the limit are measured in the quasi-peak and average detector mode with the tuned receiver using a bandwidth of 9 kHz. The emissions are maximized further by cable manipulation and Exerciser operation. The highest emissions relative to the limit are listed.

Measurement Data: Comply

Refer to the next page.

Minimum Standard: FCC Part 15.207(a)/EN 55022

Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5	56	46
5 ~ 30	60	50

* Decreases with the logarithm of the frequency

Measurement Setup

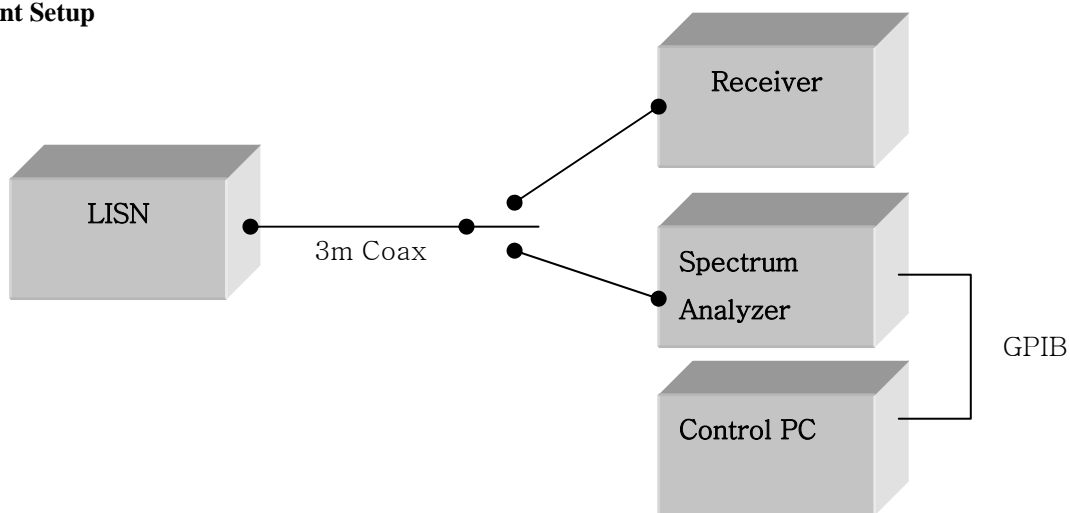
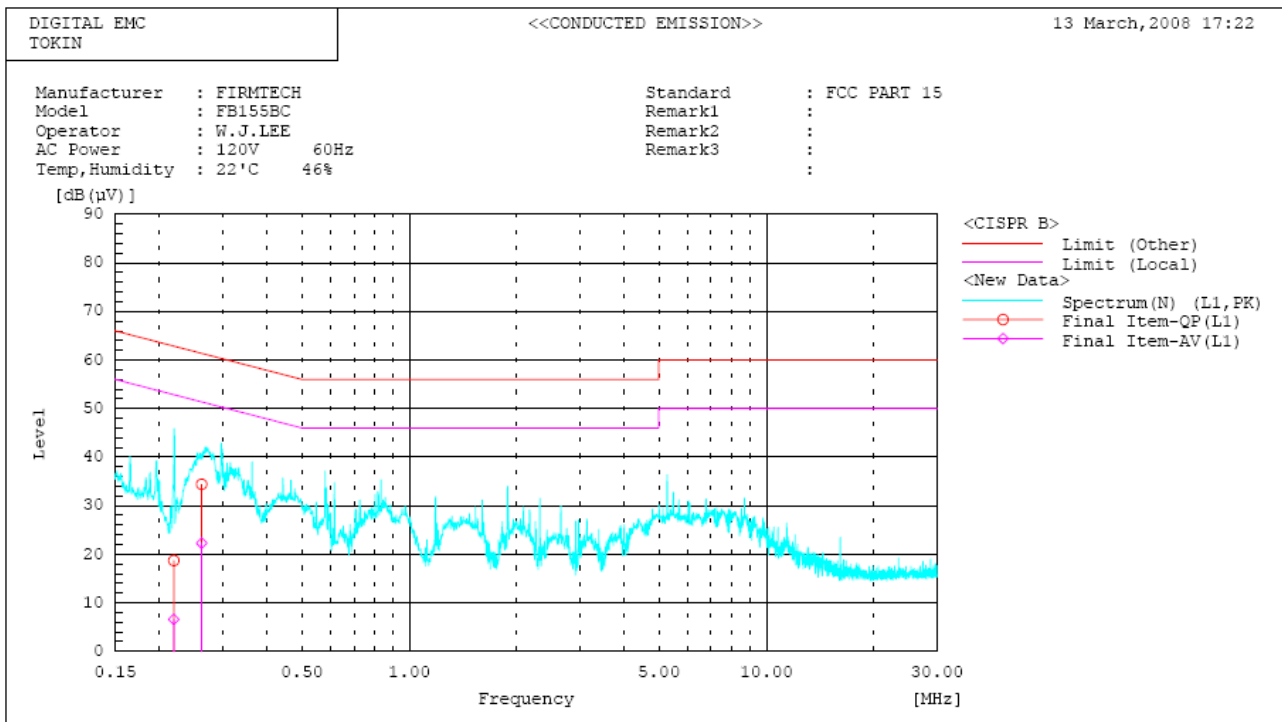
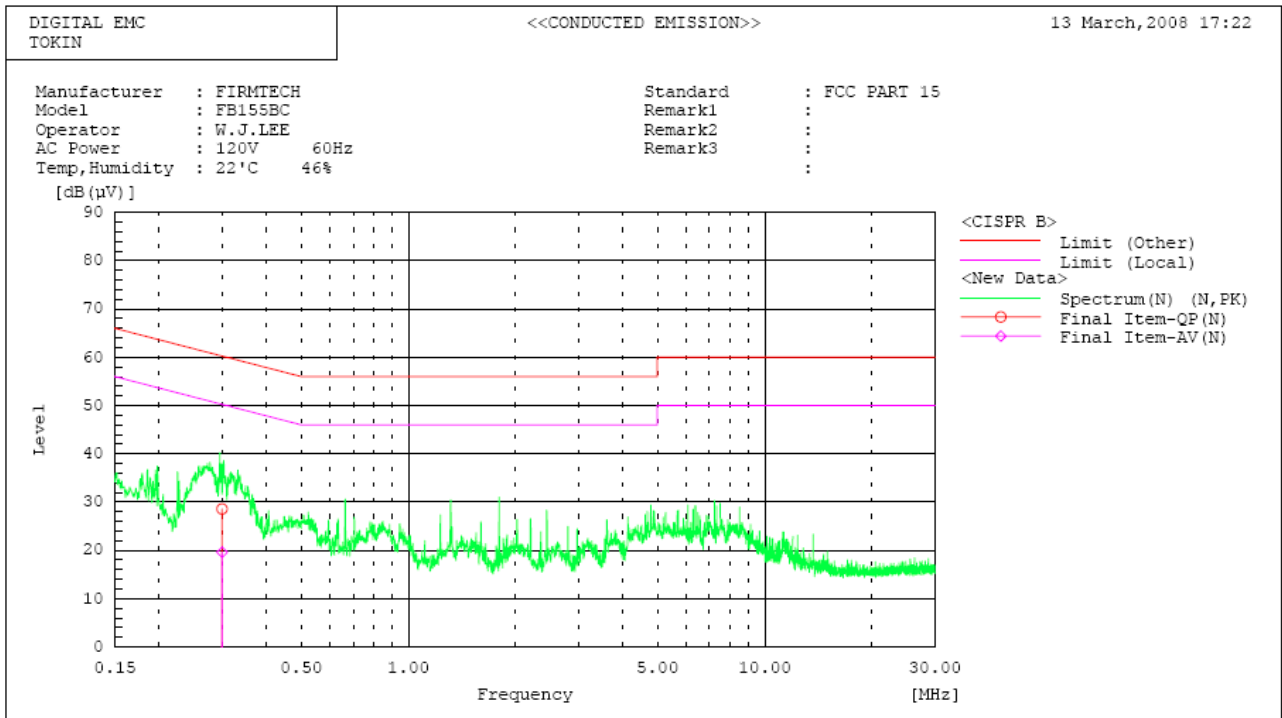


Figure 2: Measurement setup for AC Conducted Emission

Measurement data - Graph



Measurement data - List

***** DIGITAL EMC *****
 <<CONDUCTED EMISSION>>

13 March, 2008 17:22

Standard : FCC PART 15
 Manufacturer : FIRMECH
 Model : FB155BC
 Operator : W.J.LEE
 AC Power : 120V 60Hz
 Temp, Humidity : 22'C 46%
 Remark1 :
 Remark2 :
 Remark3 :

Final Result

--- N Phase ---											
No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV	Remark
	[MHz]	[dB (µV)]	[dB (µV)]	[dB]	[dB (µV)]	[dB (µV)]	[dB (µV)]	[dB (µV)]	[dB]	[dB]	
1	0.300	28.5	19.5	0.1	28.6	19.6	60.2	50.2	31.6	30.6	

--- L1 Phase ---											
No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV	Remark
	[MHz]	[dB (µV)]	[dB (µV)]	[dB]	[dB (µV)]	[dB (µV)]	[dB (µV)]	[dB (µV)]	[dB]	[dB]	
1	0.262	34.2	22.1	0.2	34.4	22.3	61.4	51.4	27.0	29.1	
2	0.219	18.5	6.4	0.2	18.7	6.6	62.9	52.9	44.2	46.3	

APPENDIX
TEST EQUIPMENT FOR TESTS

To facilitate inclusion on each page of the test equipment used for related tests, each item of test equipment.

	Type	Manufacturer	Model	Cal.Due.Date (dd/mm/yy)	Next.Due.Date (dd/mm/yy)	S/N
01	Spectrum Analyzer	Agilent	E4404B	17/04/07	17/04/08	US41061134
02	Spectrum Analyzer	Agilent	E4440A	15/11/07	15/11/08	MY45304199
03	Spectrum Analyzer	H.P	8563E	09/10/07	09/10/09	3551A04634
04	Power Meter	H.P	EMP-442A	23/03/07	23/03/08	GB37170413
05	Power Sensor	H.P	8481A	23/03/07	23/03/08	3318A96566
06	Frequency Counter	H.P	5342A	06/09/07	06/09/08	2119A04450
07	Signal Generator	Rohde Schwarz	SMR20	21/03/07	21/03/08	101251
08	Signal Generator	H.P	ESG-3000A	10/07/07	10/07/08	US37230529
09	Audio Analyzer	H.P	8903B	10/07/07	10/07/08	3011A09448
10	Modulation Analyzer	H.P	8901B	14/07/07	14/07/08	3028A03029
11	Oscilloscope	Tektronix	TDS3052	02/11/07	02/11/08	B016821
12	Universal Radio Communication tester	Rohde Schwarz	CMU200	24/04/07	24/04/08	107631
13	8960 Series 10 Wireless Comms. Test Set	Agilent	E5515C	18/07/07	18/07/09	GB43461134
14	Bluetooth Tester	TESCOM	TC-3000A	28/03/07	28/03/08	3000A4A0121
15	Power Splitter	WEINSCHEL	1593	05/10/07	05/10/08	332
16	BAND Reject Filter	Microwave Circuits	N0308372	18/10/07	18/10/08	3125-01DC0312
17	BAND Reject Filter	Wainwright	WRCG1750	18/10/07	18/10/08	SN2
18	AC Power supply	DAEKWANG	5KVA	20/03/07	20/03/08	N/A
19	DC Power Supply	H.P	6622A	20/03/07	20/03/08	465487
20	Attenuator (10dB)	WEINSCHEL	23-10-34	30/01/08	30/01/09	BP4387
21	HORN ANT	EMCO	3115	10/08/07	10/08/08	6419
22	HORN ANT	EMCO	3115	09/10/07	09/10/08	21097
23	HORN ANT	A.H.Systems	SAS-574	20/08/07	20/08/08	154
24	HORN ANT	A.H.Systems	SAS-574	20/08/07	20/08/08	155
25	Dipole Antenna	Schwarzbeck	VHA9103	27/11/07	27/11/08	2116
26	Dipole Antenna	Schwarzbeck	VHA9103	27/11/07	27/11/08	2117
27	Dipole Antenna	Schwarzbeck	UHA9105	27/11/07	27/11/08	2261
28	Dipole Antenna	Schwarzbeck	UHA9105	27/11/07	27/11/08	2262

	Type	Manufacturer	Model	Cal.Due.Date (dd/mm/yy)	Next.Due.Date (dd/mm/yy)	S/N
29	RFI/FIELD Intensity Meter	Kyorits	KNM-504D	06/09/07	06/09/08	SN-161-4
30	Frequency Converter	Kyorits	KCV-604C	21/07/07	21/07/08	4-230-3
31	TEMP & HUMIDITY Chamber	JISCO	J-RHC2	02/10/07	02/10/08	021031
32	Log Periodic Antenna	Schwarzbeck	UHALP9108A1	08/06/07	08/06/08	1098
33	Biconical Antenna	Schwarzbeck	VHA9103	08/06/07	08/06/08	2233
34	Digital Multimeter	H.P	34401A	20/03/07	20/03/08	3146A13475
35	Attenuator (10dB)	WEINSCHEL	23-10-34	05/10/07	05/10/08	BP4386
36	High-Pass Filter	ANRITSU	MP526D	08/10/07	08/10/08	MP27756
37	Attenuator (3dB)	Agilent	8491B	12/07/07	12/07/08	58177
38	Amplifier (25dB)	Agilent	8447D	08/08/07	08/08/08	2944A10144
39	Amplifier (30dB)	Agilent	8449B	25/10/07	25/10/08	3008A01590
40	Position Controller	TOKIN	5901T	N/A	N/A	14173
41	Driver	TOKIN	5902T2	N/A	N/A	14174
42	Spectrum Analyzer	H.P	8591E	16/04/07	16/04/08	3649A05889
43	RFI/FIELD Intensity Meter	Kyorits	KNW-2402	06/10/07	06/10/08	4N-170-3
44	LISN	Kyorits	KNW-407	30/08/07	30/08/08	8-317-8
45	LISN	Kyorits	KNW-242	06/10/07	06/10/08	8-654-15
46	CVCF	NF Electronic	4400	N/A	N/A	344536 4420064
47	Software	ToYo EMI	EP5/RE	N/A	N/A	Ver 2.0.800
48	Software	ToYo EMI	EP5/CE	N/A	N/A	Ver 2.0.801
49	Software	AUDIX	e3	N/A	N/A	Ver 3.0
50	Software	Agilent	Benchlink	N/A	N/A	A.01.09 021211