Part 2--Tested with Bluetooth Module

Test Report

for

FCC Part 15 Subpart B & C

of

Product Name

Notebook Personal Computer

Model

V100

(With WLAN & Bluetooth & WWAN Module)

Applied by:

MITAC Technology Corporation
4F, No.1, R&D Road 2,
Hsinchu Science-Bas
Taiwan,R. O. C.

Test Performed by:

International Standards Laboratory

Lung-Tan LAB

Site Registration No.
BSMI: SL2-IN-E-0013; TAF: 0997; NVLAP: 200234-0;
IC: IC4164-1; VCCI: R-1435, C-1440; NEMKO: ELA 113B

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Contents of Report

1. General

1.1 Certification of Accuracy of Test Data

Standards:	CFR 47 Part 15 Subpart B Class B CFR 47 Part 15 Subpart C (Section 15.247)
Test Procedure:	ANSI C63.4:2003
Equipment Tested:	Notebook Personal Computer
Model:	V100
Applied by:	MITAC Technology Corporation
Sample received Date:	2007/02/05
Final test Date :	2007/03/14-2007-03/16
Test Result	PASS
Test Site:	Chamber 02, Conduction 02
Temperature	Refer to each site test data
Humidity:	Refer to each site test data
Test Engineer:	Jerry Chiou

All the tests in this report have been performed and recorded in accordance with the standards described above and performed by an independent electromagnetic compatibility consultant, International Standards Laboratory.

The test results contained in this report accurately represent the measurements of the characteristics and the energy generated by sample equipment under test at the time of the test. The sample equipment tested as described in this report is in compliance with the limits of above standards.

Approve & Signature

Eddy Hsiung/Director

Test results given in this report apply only to the specific sample(s) tested under stated test conditions. This report shall not be reproduced other than in full without the explicit written consent of ISL. This report totally contains 48 pages, including 1 cover page , 2 contents page, and 45 pages for the test description. This report must not be use to claim product endorsement by NVLAP or any agency of the U.S. Government.

This test data shown below is traceable to NIST or national or international standard. International Standards Laboratory certifies that no party to this application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 853(a).

2. Test Results Summary

The Bluetooth functions of EUT has been tested according to the FCC regulations listed below:

Tested Standards: 47 CFR Part 15 Subpart C			
Standard Section	Test Type	Result	Remarks
15.207(a)	AC Power Line Emissions	Pass	
15.247(b) (1)	Max. Peak Output Power	Pass	
15.209(a)	Radiated Emissions 30MHz – 25 GHz	Pass	
15.247 (c)	Band Edge Measurement	Pass	
15.247(a)(1)(iii)	Number of Hopping Frequency Used	Pass	
15.247(a) (1)(ii)	Spectrum Bandwidth Of FHSS device	Pass	
15.247(a)(1)	Hopping Channel Separation	Pass	
15.247(a)(1)(iii)	Dwell Time	Pass	

3. Description of Equipment Under Test (EUT)

Description:	Notebook Personal Computer
Condition:	Pre-Production
Model:	V100
Brand:	MITAC
Wireless LAN Module:	Intel, Model: WM3945ABG
Bluetooth Module:	BILLIONTON(Model:GUBTCR42M)
Frequency Range of 802.11a:	5150 - 5250 MHz 5250 - 5350 MHz 5725 - 5850 MHz
Frequency Range of 802.11b/g:	2400 - 2483.5 MHz
Frequency Range of Bluetooth:	2400 - 2483.5 MHz
Support channel:	
802.11a Normal mode	13 Channels
802.11b/g	11 Channels
Bluetooth	79 Channels
Modulation Skill:	
802.11a	OFDM (6 Mbps – 54 Mbps)
802.11b	DBPSK(1Mbps), DQPSK(2Mbps), CCK(5.5/11Mbps)
802.11g	OFDM (6M - 54Mbps)
Bluetooth	GFSK (1Mbps)
Antennas Type:	
WLAN Right antenna:	PIFA (P/N: IA-060076) White made by JOINSOON ELECTRONICS MFG. CO., LTD
WLAN Left antenna:	PIFA (P/N: IA-060239) Black made by JOINSOON ELECTRONICS MFG. CO., LTD
Bluetooth antenna:	PIFA Antenna(P/N: IA060093), made by JOINSOON ELECTRONICS MFG. CO.,LTD.
Antenna Connected:	Connected to RF connector on the PCB of the Bluetooth or WLAN module .The user is not possible to change the antenna without disassembling the notebook computer.
Antenna peak Gain:	
WLAN Right antenna	1.61dBi(11b,11g), 2.45dBi(11a)
WLAN Left antenna	-0.55 dBi (11b,11g), 3.97 dBi (11a)
Bluetooth antenna	-0.8 dBi
Power Type of wireless module:	3.3V DC from Notebook PC
Power Type of Bluetooth module:	3.3V DC from Notebook PC

The channel and the operation frequency of 802.11a listed below:

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	5180	02	5200
03	5220	04	5240
05	5260	06	5280
07	5300	08	5320
09	5745	10	5765
11	5785	12	5805
13	5825		

The channel and the operation frequency of 802.11b and 802.11g listed below:

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437		

The channels and the operation frequency of Bluetooth listed below:

Channel	Frequency(MHz)	Channel	Frequency(MHz)
00	2402	01	2403
02	2404	03	2405
04	2406	05	2407
……			
75	2477	76	2478
77	2479	78	2480

WWAN card: SIERRA(Model:MC5720)

TX Frequency: 824MHz~849MHz(CDMA800)
1850MHz ~ 1910MHz(CDMA1900)

RX Frequency: 869MHz~894MHz(CDMA800)
1930MHz ~ 1990MHz(CDMA1900)

Antennas Type:

WWAN Right antenna: PIFA (P/N: IA-060094) Blue
made by JOINSOON ELECTRONICS MFG. CO., LTD

WWAN Left antenna: PIFA (P/N: IA-060240) Red
made by JOINSOON ELECTRONICS MFG. CO., LTD

Antenna peak Gain:

WWAN Right antenna 1.1dBi(800MHz), 2.02dBi(1900MHz)

WWAN Left antenna 1.1dBi(800MHz), 2.02dBi(1900MHz)

CPU:	Genuine intel U2500 1.2GHz
Adapter Type:	Auto Switching AC Adapter 100-240V,1.2A 50-60Hz EPS (Model: F10903-A)
Hard Disk Driver:	Toshiba (Model:MK8032GSX) 80G or Toshiba (Model:MK1234GSX) 120G
Modem Card:	Conexant (Model: RD-02-D330)
Wireless LAN Card:	Intel(Model:WM3945ABG)
Bluetooth module:	BILLIONTON(Model:GUBTCR42M)
USB Connector:	two 4 pin
RJ11 Connector:	one 2 pin
Serial Port:	two 9 pin
RJ45 Connector:	one 8 pin
Line out Port:	one
Line-in Port:	one
SD Card Port:	one
PCMCIA Slot:	two
DC IN Port:	one
Battery:	MITAC(Model: BP-LC2600/33-0151), 11.1Vdc, 7800mAh
LCD:	Toshiba(Model: LTD104KA1S) or Toshiba(Model: LTD121EXEV)
DDR:	Infineon(Model:PC2-4200S-444-11-A0) 512M Hnnix(Model:PC2-5300S555-12) 1G
Power Cord:	Non-shielded, Detachable

Test configuration:

configuration	LCD	CPU	Adapter Type	Hard Disk	Modem Card	Wireless LAN Card	Battery	DDR
1	Toshiba(Model: LTD104KA1S)	Genuine intel U2500 1.2GHz	EPS (Model: F10903-A)	Toshiba (Model:MK1234GSX) 120G	Conexant (Model: RD-02-D330)	Intel(Model: WM3945ABG)	MITAC(Model:BP-LC2600/33-0151)	Hnnix(Model:PC2-5300S555-12)
2	Toshiba(Model: LTD121EXEV)	Genuine intel U2500 1.2GHz	EPS (Model: F10903-A)	Toshiba (Model:MK1234GSX) 120G	Conexant (Model: RD-02-D330)	Intel(Model: WM3945ABG)	MITAC(Model:BP-LC2600/33-0151)	Hnnix(Model:PC2-5300S555-12)

All types of LCD、CPU、Adapter Type、Hard Disk、Modem Card、Wireless LAN Card、Battery、DDR with related components have been tested, only shown the worst data using the following configuration in this report.

configuration	LCD	CPU	Adapter Type	Hard Disk	Modem Card	Wireless LAN Card	Battery	DDR
2	Toshiba(Model: LTD121EXEV)	Genuine intel U2500 1.2GHz	EPS (Model: F10903-A)	Toshiba (Model:MK1234GSX) 120G	Conexant (Model: RD-02-D330)	Intel(Model: WM3945ABG)	MITAC(Model:BP-LC2600/33-0151)	Hnnix(Model:PC2-5300S555-12)

EMI Noise Source:

GPS board Crystal: 12MHz(X1)
Touch Panel board Crystal:7.372MHz(X1)
SD card board Crystal:12MHz(X2)
Main board Crystal:25MHz(X3),10MHz(X2),14.318MHz(X501)
Clock Generator: U514

EMI Solution:

1. Adding shielded tape on LCD Signal cable
2. Adding Gasket on LCD Signal cable
3. Adding Gasket on LCD Panel around
4. Adding Gasket on Bluetooth Module
5. Adding aluminum foil on 3GCDMA antenna
6. Adding Copper on Main board
7. Adding Copper on Modem Card
8. Adding Gasket on Main board
9. Adding Gasket on Modem Card
10. Adding Core(A5 FS 16*5*12) on LAN Signal cable
11. Adding Core(A3 FS 15*3*11) on Modem Card Signal cable
12. Adding Core(K5B RH 6.35*15.8*3.3) on DC IN Jack
13. Adding aluminum foil on Case
14. Adding Core(FPC 40*2.7*12-K) on Keyboard Signal cable
15. Adding Core(RC 16*28*9 -M2) on Adapter Type Signal cable

4. TEST RESULTS (Bluetooth)

4.1 Powerline Conducted Emissions

4.1.1 EUT Configuration

The EUT was set up on the non-conductive table that is 1.0 by 1.5 meter, 80cm above ground. The wall of the shielded room was located 40cm to the rear of the EUT.

Power to the EUT was provided through the LISN. The impedance vs. frequency characteristic of the LISN is complied with the limit used.

Both lines (neutral and hot) were connected to the LISN in series at testing. A coaxial-type connector which provides one 50 ohms terminating impedance was provided for connecting the test instrument. The excess length of the power cord was folded back and forth at the center of the lead so as to form a bundle not exceeding 40cm in length.

Any changes made to the configuration, or modifications made to the EUT, during testing are noted in the following test record.

If the EUT is a Personal Computer or a peripheral of personal computer, and the personal computer has an auxiliary AC outlet which can be used for providing power to an external monitor, then all measurements will be made with the monitor power from first the computer-mounted AC outlet and then a floor-mounted AC outlet.

4.1.2 Test Procedure

The system was set up as described above, with the EMI diagnostic software running. The main power line conducted EMI tests were run on the hot and neutral conductors of the power cord and the results were recorded. The effect of varying the position of the interface cables has been investigated to find the configuration that produces maximum emission.

At the frequencies where the peak values of the emissions were higher than 6dß below the applicable limits, the emissions were also measured with the quasi-peak detectors. At the frequencies where the quasi-peak values of the emissions were higher than 6dß below the applicable average limits, the emissions were also measured with the average detectors.

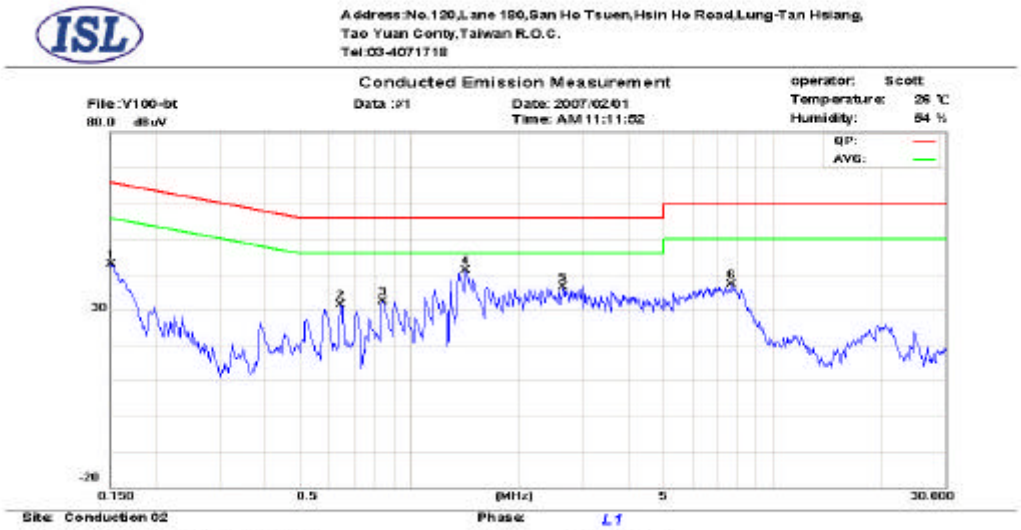
The highest emissions were analyzed in details by operating the spectrum analyzer in fixed tuned mode to determine the nature of the emissions and to provide information which could be useful in reducing their amplitude.

4.1.3 EMI Receiver/Spectrum Analyzer Configuration (for the frequencies tested)

Frequency Range	150 KHz--30MHz
Detector Function	Quasi-Peak/Average
Bandwidth (RBW)	9KHz

4.1.4 Test Data:

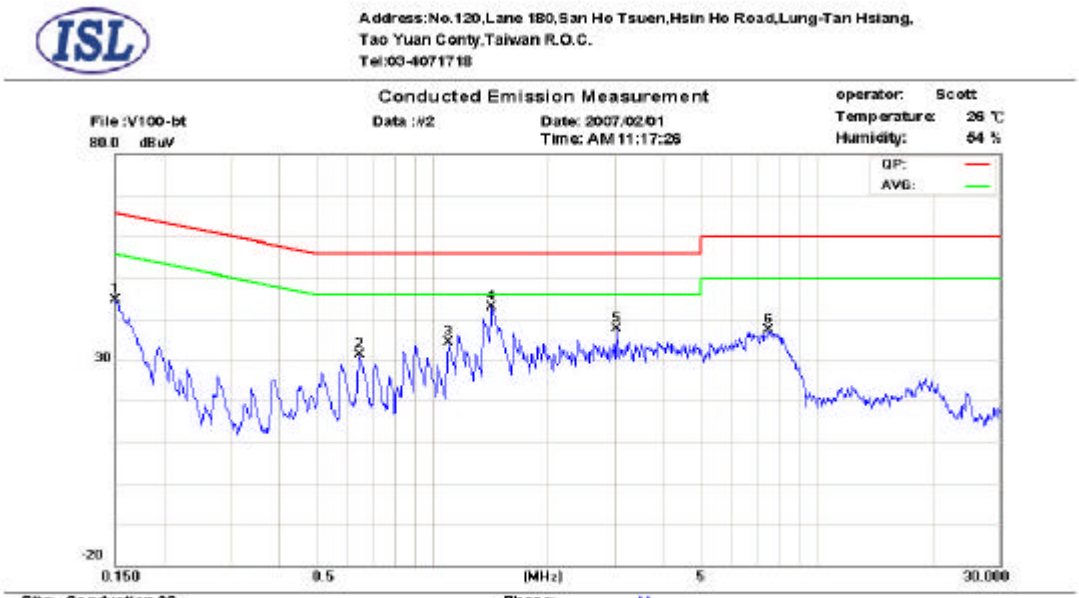
Power Line Conducted Emissions (Hot) Channel 00, 39, 78



	Frequency MHz	LISN Loss dB	Cable Loss dB	QP Correct. dBuV	QP Limit dBuV	QP Margin dB	AVG Correct. dBuV	AVG Limit dBuV	AVG Margin dB	Note
	0.1500	0.1	0.02	43.30	65.9	-22.6	39.90	55.9	-16.0	
	0.6440	0.2	0.07	32.90	56.0	-23.1	30.60	46.0	-15.4	
	0.8438	0.2	0.07	33.40	56.0	-22.6	31.40	46.0	-14.6	
*	1.4256	0.2	0.08	41.40	56.0	-14.6	36.10	46.0	-9.90	
	2.6500	0.26	0.11	36.20	56.0	-19.8	34.60	46.0	-11.4	
	7.6870	0.46	0.18	40.00	60.0	-20.0	35.80	50.0	-14.2	

*:Maximum data x:Over limit

Power Line Conducted Emissions (Neutral) Channel 00, 39, 78



Frequency MHz	LISN Loss dB	Cable Loss dB	QP Correct. dBuV	QP Limit dBuV	QP Margin dB	AVG Correct. dBuV	AVG Limit dBuV	AVG Margin dB	Note
0.1500	0.1	0.02	42.30	65.9	-23.6	39.40	55.9	-16.5	
0.6474	0.2	0.07	33.60	56.0	-22.4	31.00	46.0	-15.0	
1.0997	0.2	0.07	36.70	56.0	-19.3	33.40	46.0	-12.6	
* 1.4226	0.2	0.08	41.90	56.0	-14.1	40.70	46.0	-5.30	
3.0253	0.2	0.12	26.70	56.0	-29.3	22.30	46.0	-23.7	
7.4860	0.32	0.18	36.20	60.0	-23.8	30.20	50.0	-19.8	

*:Maximum data x:Over limit

* NOTE: During the test, the EMI receiver was set to Max. Hold then switch the EUT Channel between 00, 39, 78 to get the maximum reading of all these channels.
Margin = Amplitude + Insertion Loss- Limit
A margin of -8dB means that the emission is 8dB below the limit

4.2 FHSS Maximum Peak Output Power

4.2.1 Test Procedure

The Transmitter output of EUT was connected to the peak power analyzer.

4.2.2 Test Setup

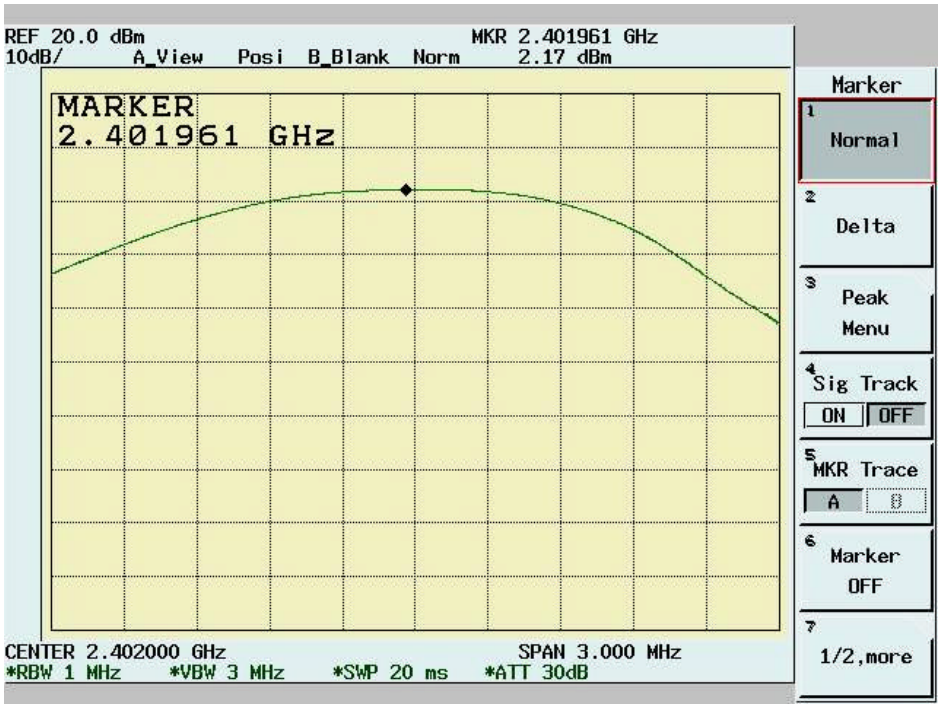
4.2.3 Test Data

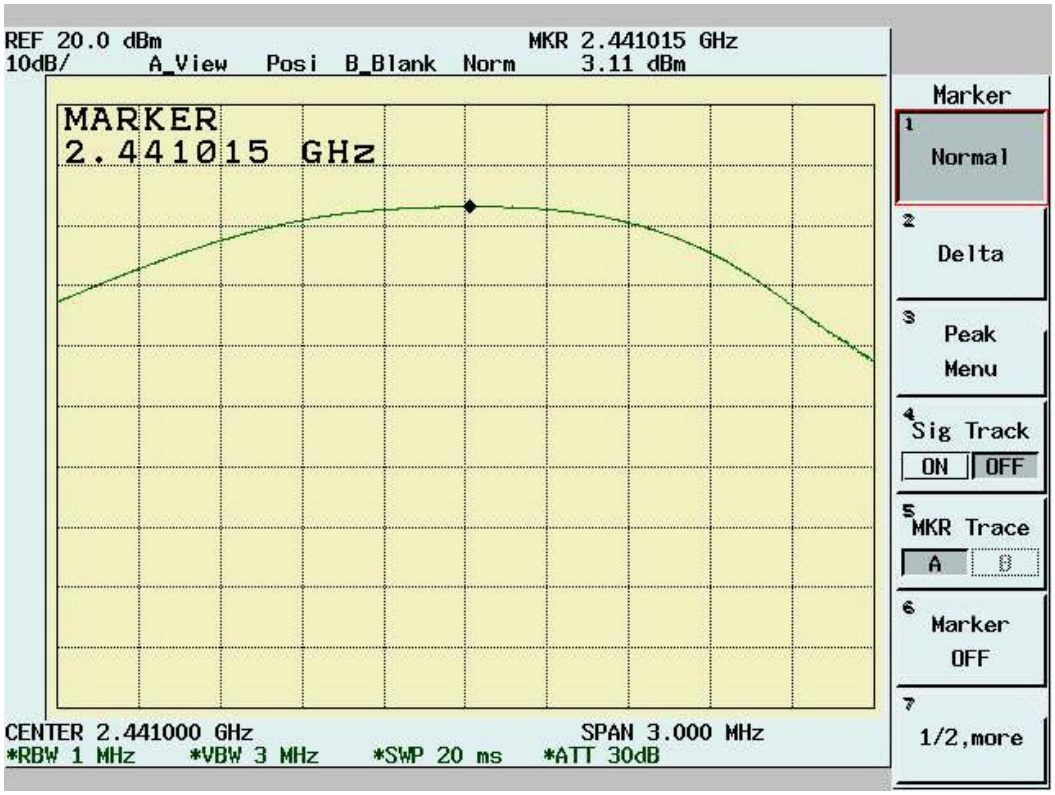
Maximum Peak Output Power

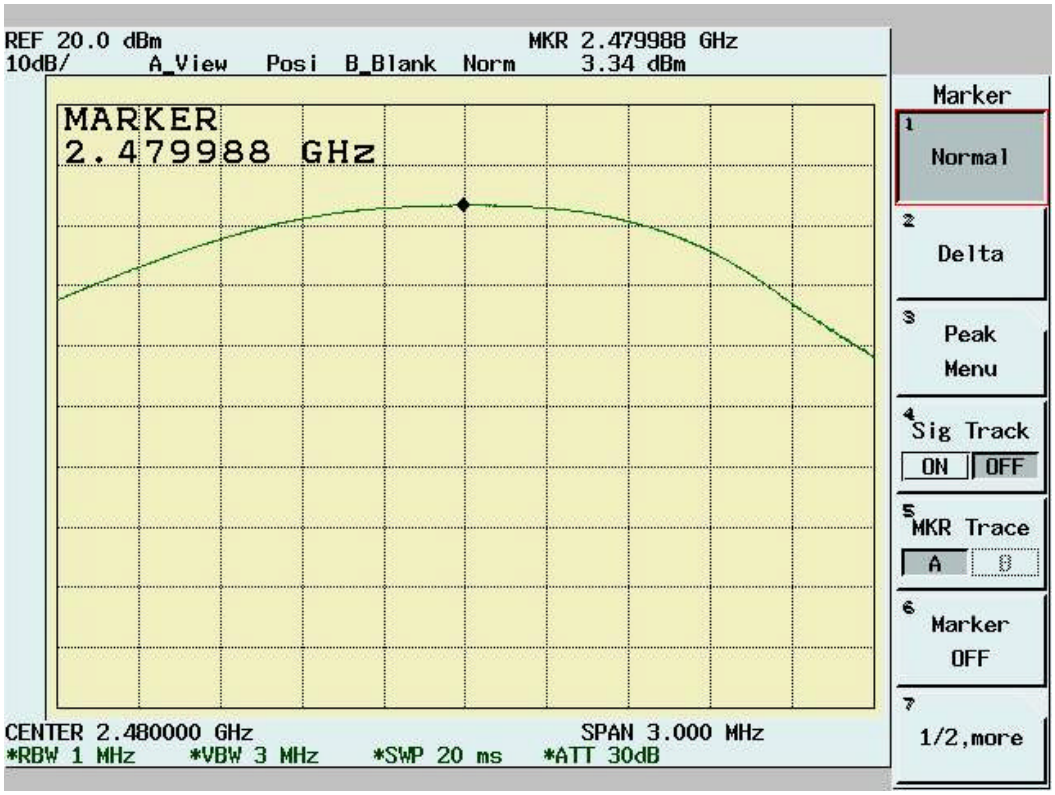
Temperature (℃):25

Test Engineer:Jerry Chiou Humidity (%):55

Channel	Frequency (Mhz)	Analyzer Reading (dBm)	Cable Loss (dB)	Peak Power Output (mW)	Peak Power Output (dBm)	Limit (dBm)	Pass/Fail
00	**2402**	2.17	1.10	2.12	3.27	30	Pass
39	**2441**	3.11	1.10	2.64	4.21	30	Pass
78	**2480**	3.34	1.10	2.78	4.44	30	Pass




REF 20.0 dBm
10dB/ A_View Posi B_Blank Norm
MKR 2.441015 GHz
3.11 dBm
MARKER
2.441015 GHz
CENTER 2.441000 GHz
SPAN 3.000 MHz
*RBW 1 MHz *VBW 3 MHz *SWP 20 ms *ATT 30dB
Marker
1 Normal
2 Delta
3 Peak Menu
4 Sig Track ON OFF
5 MKR Trace A B
6 Marker OFF
7 1/2,more


REF 20.0 dBm
10dB/ A_View Posi B_Blank Norm
MKR 2.479988 GHz
3.34 dBm
MARKER
2.479988 GHz
CENTER 2.480000 GHz
SPAN 3.000 MHz
*RBW 1 MHz *VBW 3 MHz *SWP 20 ms *ATT 30dB
Marker
1 Normal
2 Delta
3 Peak Menu
4 Sig Track ON OFF
5 MKR Trace A B
6 Marker OFF
7 1/2,more

4.3 Radiated Emission Measurement

4.3.1 Band Edge Measurement

4.3.2 Test Procedure (Conducted)

1. The transmitter output of EUT was connected to the spectrum analyzer.
   Equipment mode: Spectrum analyzer
   Detector function: Peak mode
   SPAN: 100MHz
   RBW: 100KHz
   VBW: 100KHz
   Center frequency: 2.4GHz, 2.4835GHz.
2. Using Peak Search to read the peak power of Carrier frequencies after Maximum Hold function is completed
3. Find the next peak frequency outside the operation frequency band

4.3.3 Test Setup (Conducted)

4.3.4 Test Data

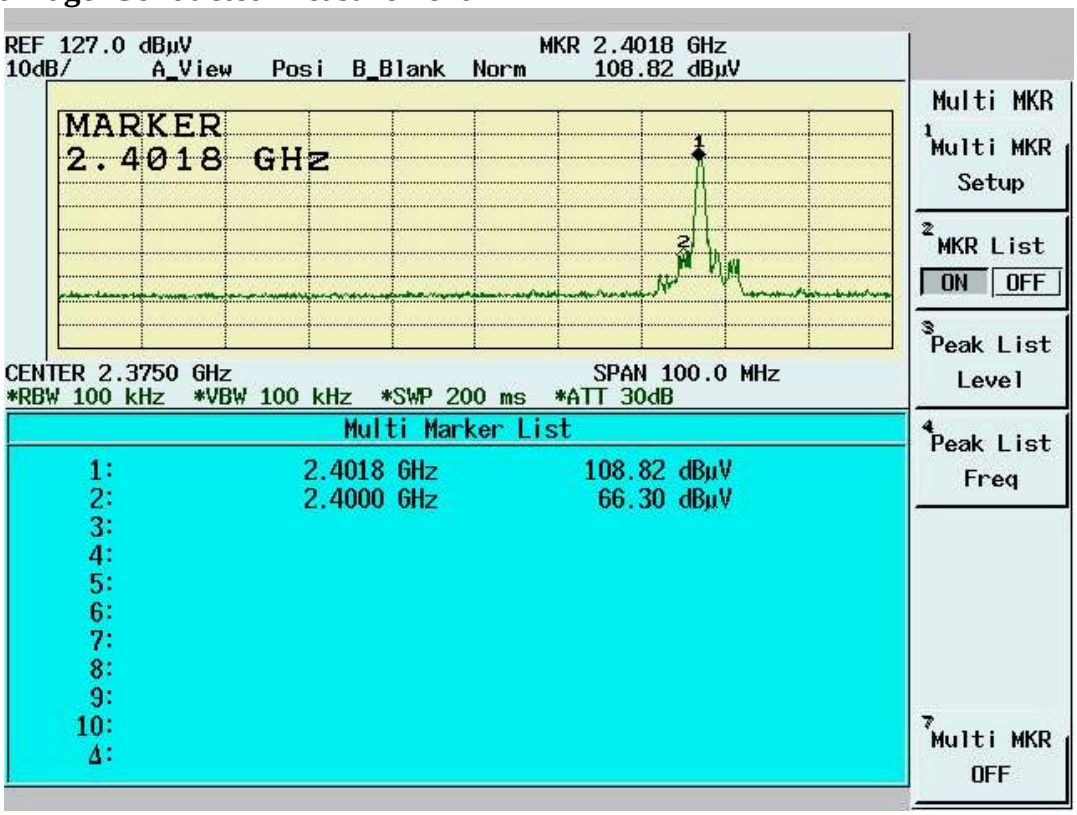
Table: Band Edge measurement (Conducted)

Temperature (℃):25

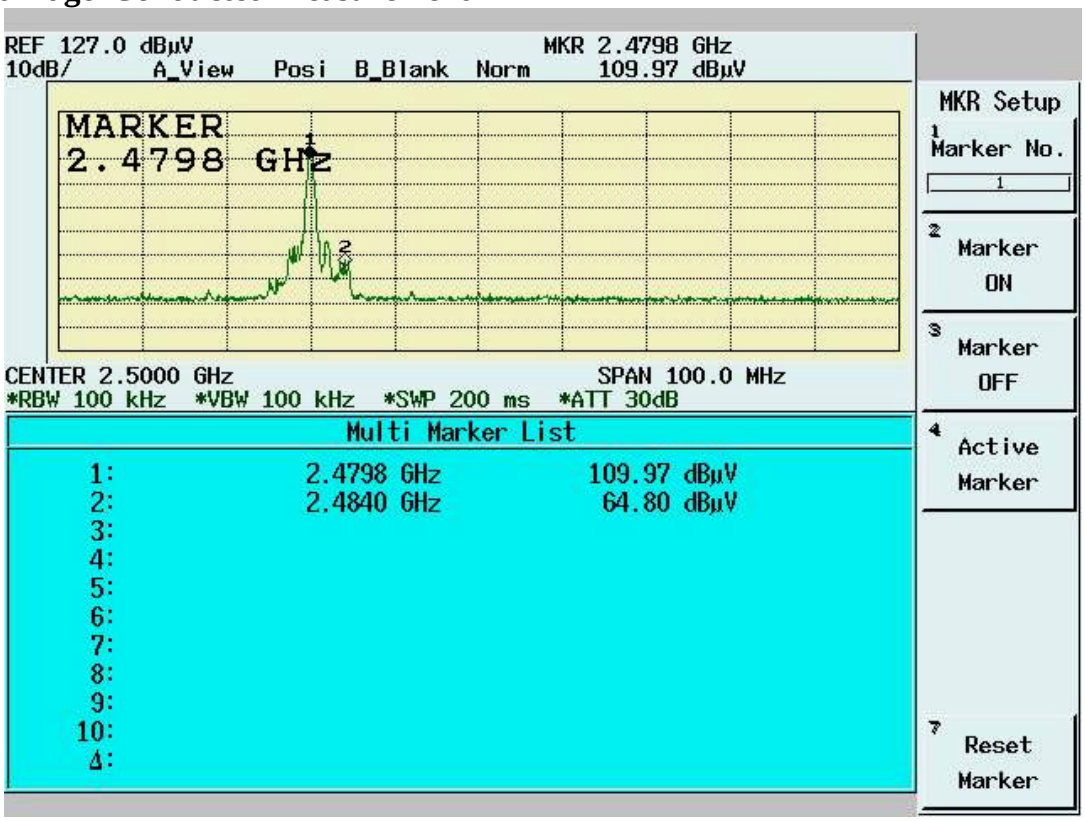
Test Engineer:Jerry Chiou Humidity (%):55

Channel	Frequency (MHz)	Spectrum Reading (dBuV)	Carrier - Outsideband Limit: >20dB (dB)	Pass/Fail
00	2401.8	108.8	---	---
Outside band	2400.0	66.3	42.5	Pass
78	2479.8	110.0	---	---
Outside band	2484.0	64.8	45.2	Pass

Band Edge Conducted Measurement



Band Edge Conducted Measurement



4.3.5 Test Procedure (Radiated)

1. Antenna and Turntable test procedure same as Radiated Emission Measurement.
   Equipment mode: Spectrum analyzer
   Detector function: Peak mode
   SPAN: 100MHz
   RBW: 1MHz
   VBW: 3MHz
   Center frequency: 2.375GHz, 2.500GHz.
2. Using Peak Search to read the peak power of Carrier frequencies after Maximum Hold function is completed.
3. Find the next peak frequency outside the operation frequency band
4. For peak frequency emission level measurement in Restricted Band ,
   Change RBW: 1MHz
   VBW: 10Hz
   Span: 100MHz.
5. Get the spectrum reading after Maximum Hold function is completed.

4.3.6 Test Setup (Radiated)

Same as *Radiated Emission Measurement*

4.3.7 Test Data

Table Band Edge measurement (Radiated)

Test Engineer:Jerry Chiou Temperature (℃):25

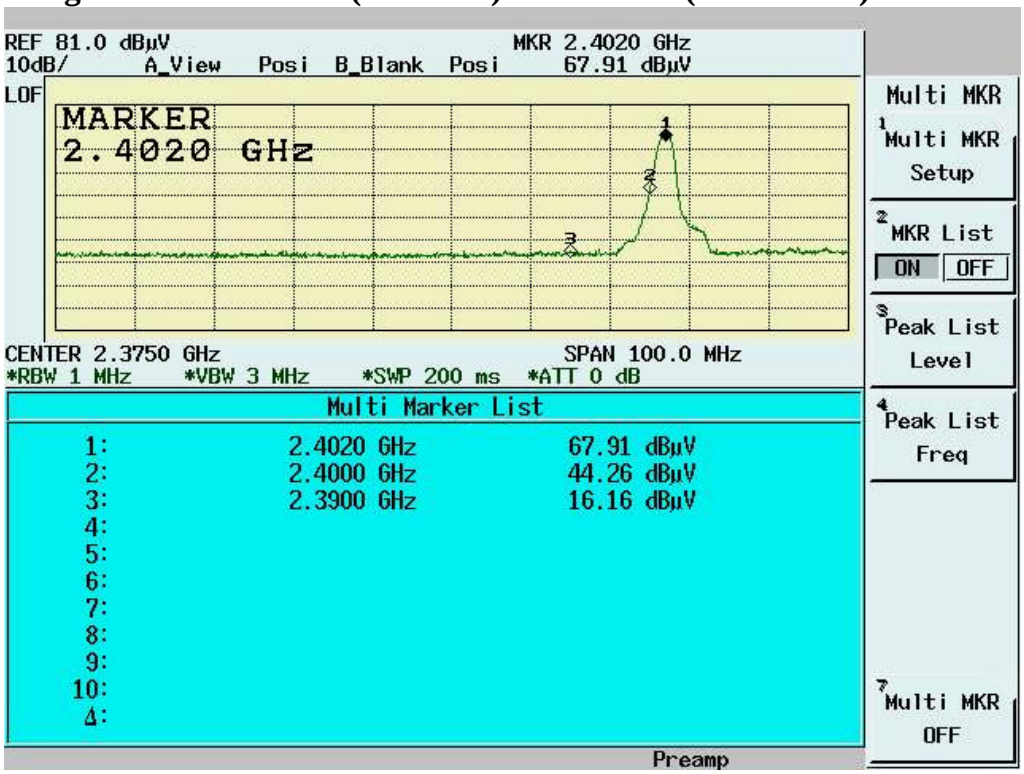
Data Rate Humidity (%):60

Description	Frequency (MHz)	Spectrum Reading (dBuV)	Correction Factor (dB/m)	Emission Level (dBuV/m)	dBc (Limit: > 20dBc)	Limit (dBuV/m)	Equip. Setup VBW	Pass or Fail
Channel_00 (average mode)	2402.40	29.13	35.48	64.61	---	---	10Hz	---
Channel_00 (peak mode)	2402.00	67.91	35.48	103.39	---	---	3MHz	---
Outside band (peak mode)	2400.00	44.26	35.48	79.74	23.65	---	3MHz	Pass
Channel_78 (average mode)	2480.40	30.07	35.51	65.58	---	---	10Hz	---
Channel_78 (peak mode)	2480.00	69.11	35.51	104.62	---	---	3MHz	---
Outside band (peak mode)	2483.80	27.70	35.51	63.21	41.41	---	3MHz	Pass
Channel_00 Restricted band (peak mode)	2390.00	16.16	35.47	51.63	---	74	3MHz	Pass
Restricted band (average mode)	2390.00	5.52	35.47	40.99	---	54	10Hz	Pass
Channel_78 Restricted band (peak mode)	2483.80	27.70	35.51	63.21	---	74	3MHz	Pass
Restricted band (average mode)	2484.10	11.33	35.51	46.84	---	54	10Hz	Pass

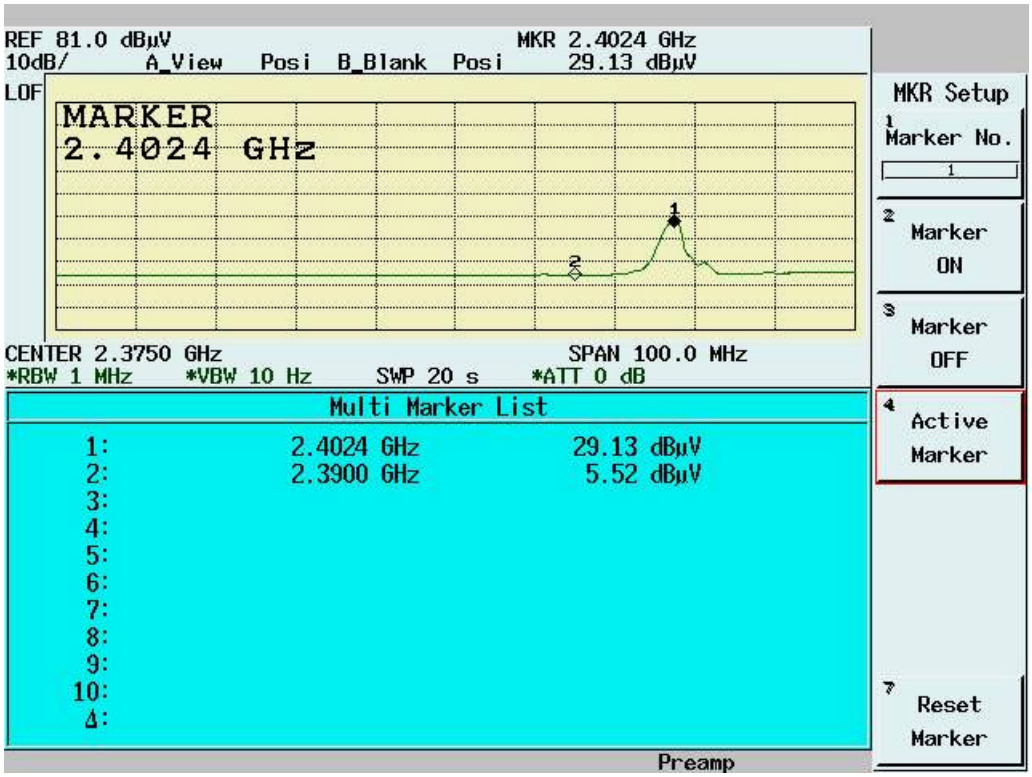
Note:

- The Spectrum plot of emission level measurement in Restricted band is attached.
- Emission Level=Spectrum Reading+Correction Factor
- Correction Factor=Antenna Factor+cable loss–amplifier gain
- Both Horizontal and Vertical polarizaion have been tested and the worst data is listed above.

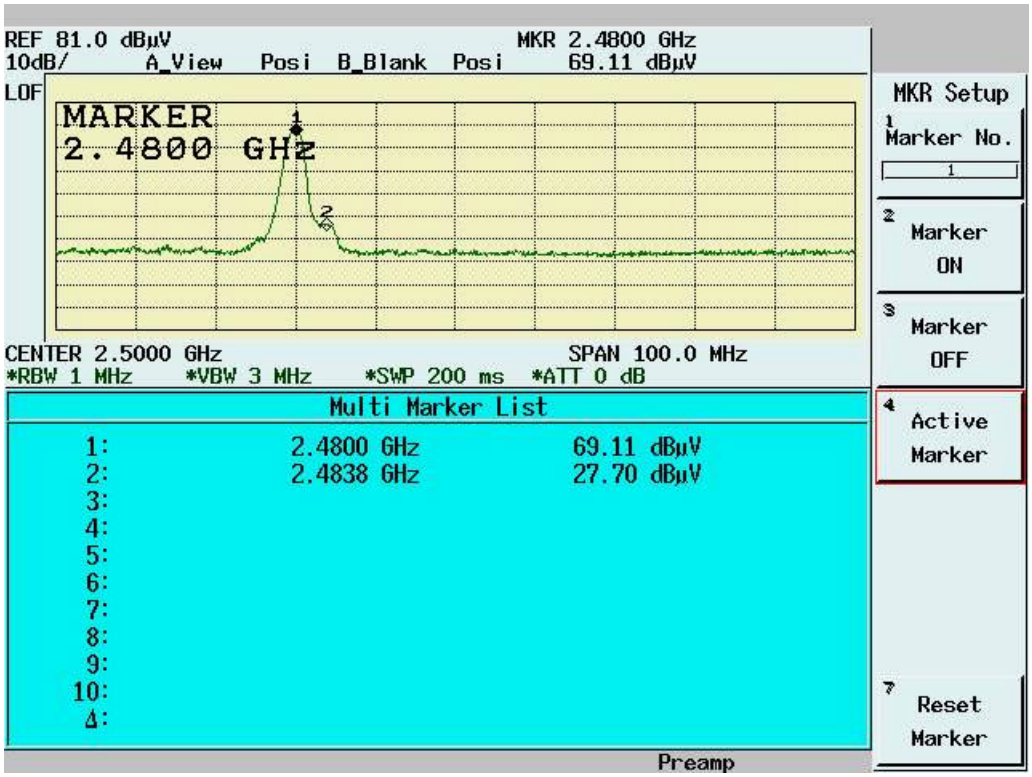
Band Edge Restricted Band (Radiated)-Peak Mode (Channel 00)



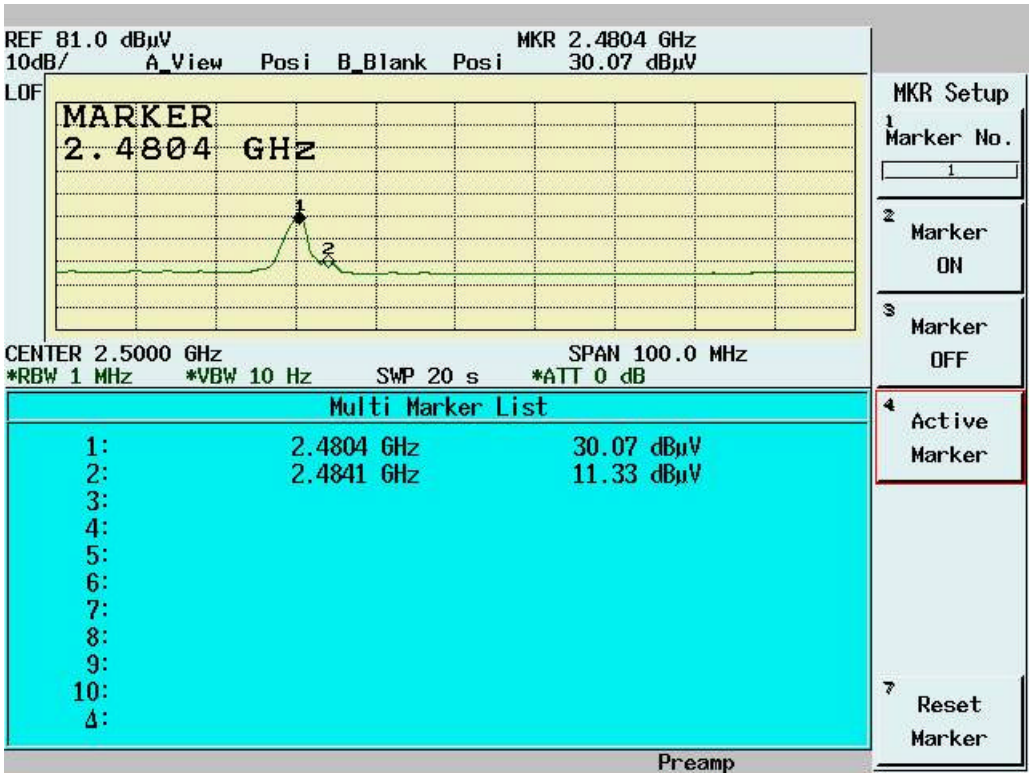
Band Edge Restricted Band (Radiated)-Average Mode (Channel 00)



Band Edge Restricted Band (Radiated)-Peak Mode (Channel 78)



Band Edge Restricted Band (Radiated)-Average Mode (Channel 78)



4.4 Bandwidth & Hopping Channel Separation

4.4.1 Standard Applicable

According to §15.247(a) (1), frequency hopping system 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. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudorandomly ordered list of hopping frequencies.

4.4.2 Test Procedure

■ Bandwidth Test Procedure

The Transmitter output of EUT was connected to the spectrum analyzer. The 20 dB bandwidth of the fundamental frequency was measured. The setting of spectrum analyzer is as follows

Equipment mode	Spectrum analyzer
Detector function	Peak mode
RBW	30KHz
VBW	100KHz

■ Hopping Channel Separation Test Procedure

1. Connect EUT antenna terminal to the spectrum analyzer with a low loss cable.
   Equipment mode: Spectrum analyzer
   RBW: 100KHz
   VBW: 300KHz
   SPAN:3MHz
2. By using the Max-Hold function record the separation of two adjacent channels.
3. Measure the frequency difference of these two adjacent channels by spectrum analyzer Marker function.
4. Repeat above procedures until all frequencies measured were complete.

4.4.3 Test Setup

4.4.4 Test Data

20dB Bandwidth

Temperature (℃):25

Test Engineer:Jerry Chiou Humidity (%):55

Channel	Frequency (MHz)	20dB Bandwidth (KHz)	Limit (KHz)	Pass/Fail
00	**2402**	884	≦ 1000	Pass
39	**2441**	876	≦ 1000	Pass
78	**2480**	884	≦ 1000	Pass

Hopping Channel Separation

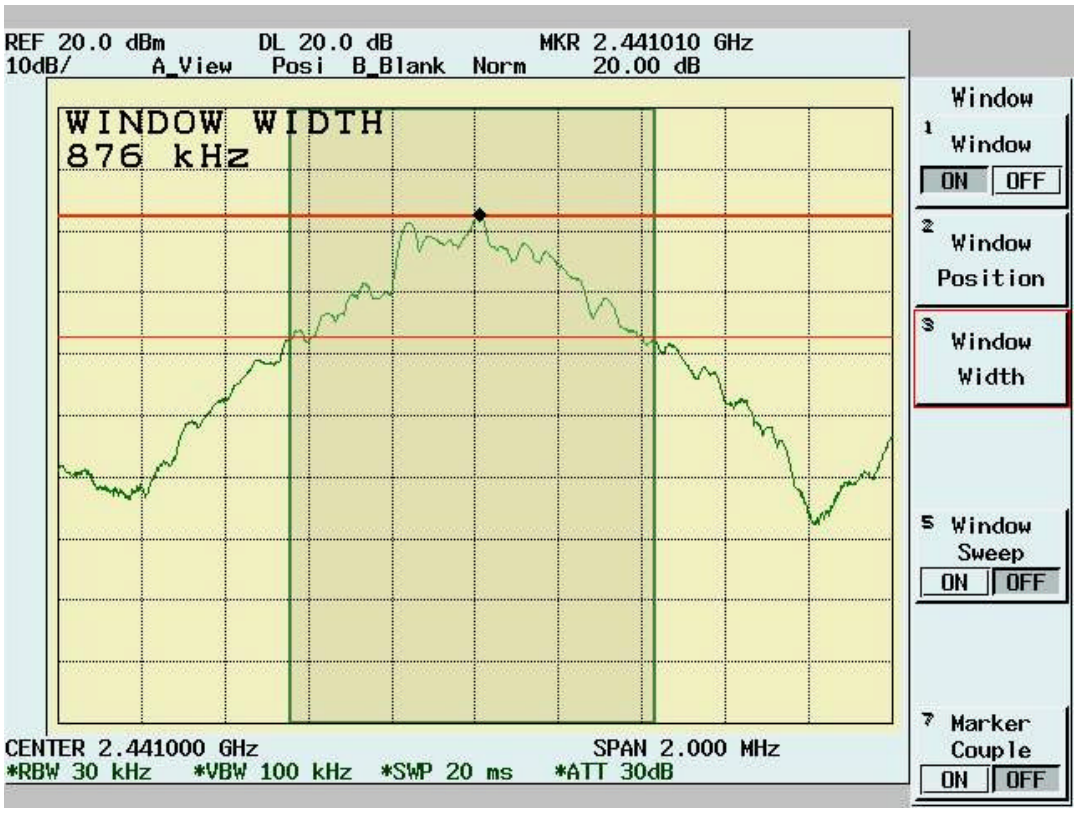
Temperature (℃):25

Test Engineer:Jerry Chiou Humidity (%):55

Channel	Frequency (MHz)	Separation (KHz)	Limit (KHz)	Pass/Fail
00	**2402**	1008	≧ 884	Pass
39	**2441**	1008	≧ 876	Pass
78	**2480**	1008	≧ 884	Pass

20dB Bandwidth Channel 00:

20dB Bandwidth Channel 39:



20dB Bandwidth Channel 78:

Hopping Channel Separation Channel 00

Hopping Channel Separation Channel 39

Hopping Channel Separation Channel 78

4.5 Number of Hopping Frequency Used

4.5.1 Test Procedure

1. Connect EUT antenna terminal to the spectrum analyzer with a low loss cable.
   Equipment mode: Spectrum analyzer
   RBW: 300KHz
   VBW: 1MHz

2. Set the spectrum analyzer on Max-Hold Mode, and then keep the EUT in hopping mode. Record all the signals from each channel until each one has been recorded.
3. Repeat above procedures until all frequencies measured were complete.

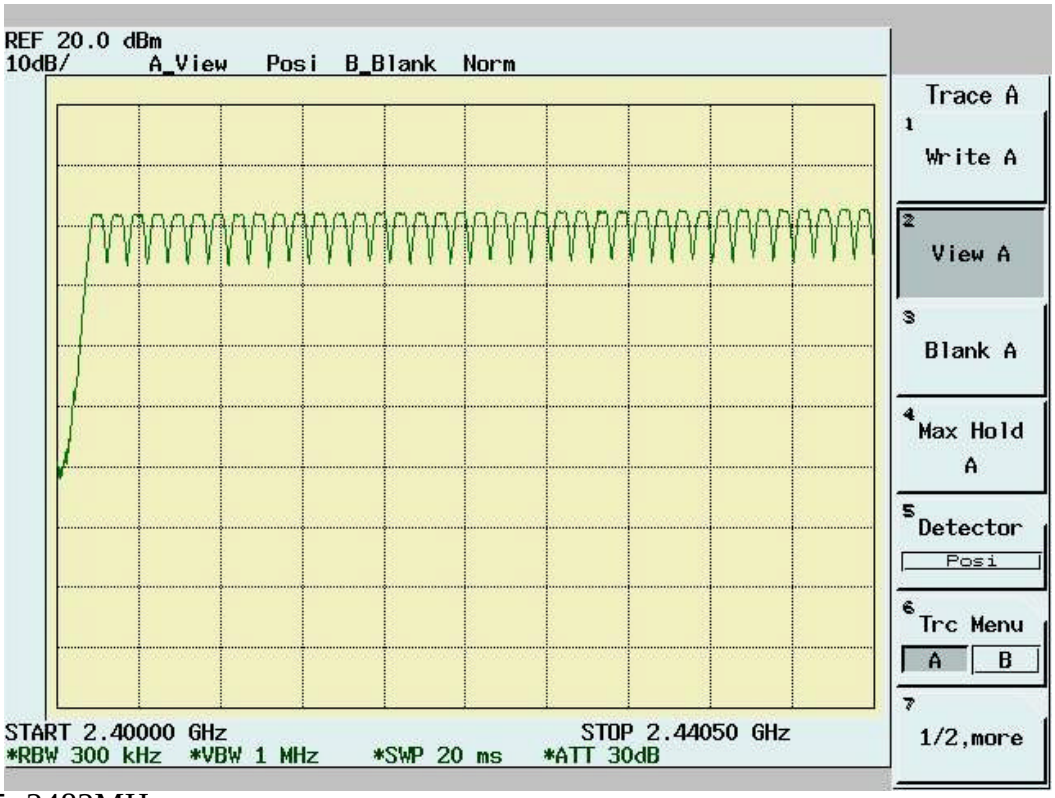
4.5.2 Test Setup

4.5.3 Test Data

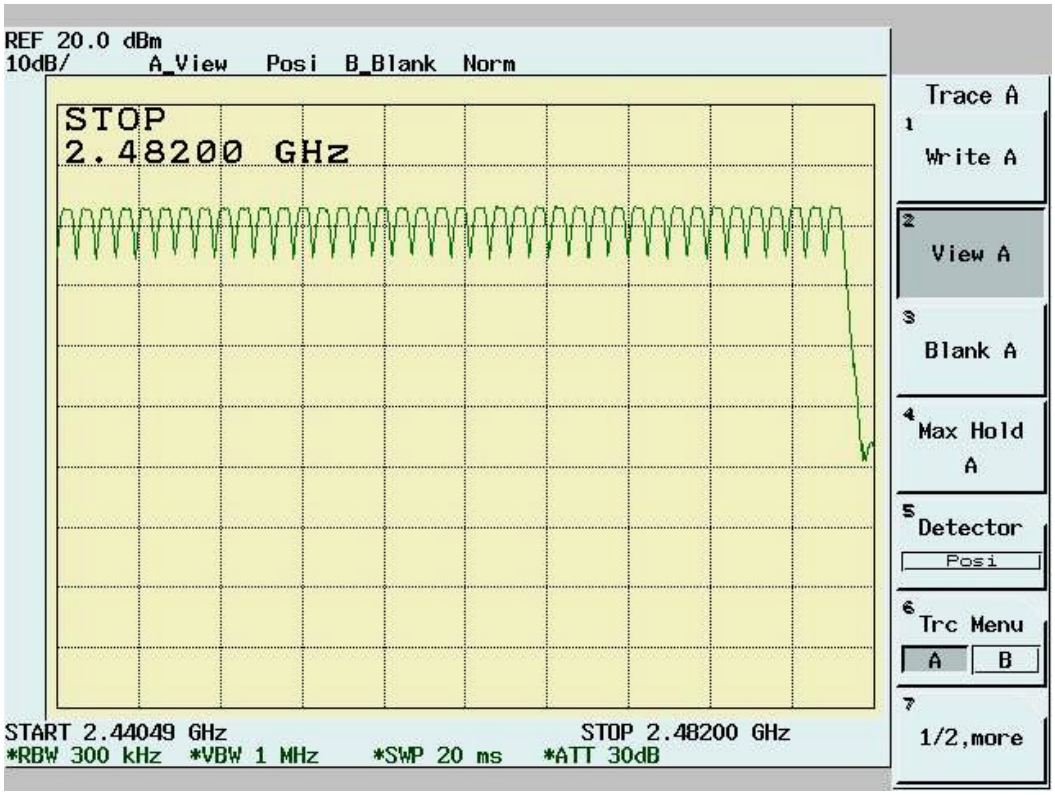
Number of Hopping Frequency Used

Test result	Limit (KHz)	Pass/Fail
79	>75	Pass

2400~2405MHz



2405~2482MHz



4.6 Dwell Time

4.6.1 Test Procedure

1. Connect EUT antenna terminal to the spectrum analyzer with a low loss cable.
   Equipment mode: Spectrum analyzer
   RBW: 1MHz
   VBW: 1MHz
   SPAN: Zero Span

2. Adjust the center frequency of spectrum analyzer on any frequency be measured.
3. Measure the Dwell Time by spectrum analyzer Marker function.
4. Repeat above procedures until all frequencies measured were complete.

4.6.2 Test Setup

4.6.3 Test Data

Dwell Time

Temperature (℃):25

Test Engineer:Jerry Chiou Humidity (%):55

Mode	Frequency (MHz)	Spectrum Reading (μs)	Test Result (ms)	Limit (ms)	Pass/Fail
DH1	**2402**	414	264.96	< 400	Pass
DH3	**2402**	1660	354.13	< 400	Pass
DH5	**2402**	2904	371.71	< 400	Pass

Mode	Frequency (MHz)	Spectrum Reading (μs)	Test Result (ms)	Limit (ms)	Pass/Fail
DH1	**2441**	416	266.24	< 400	Pass
DH3	**2441**	1668	355.84	< 400	Pass
DH5	**2441**	2912	372.74	< 400	Pass

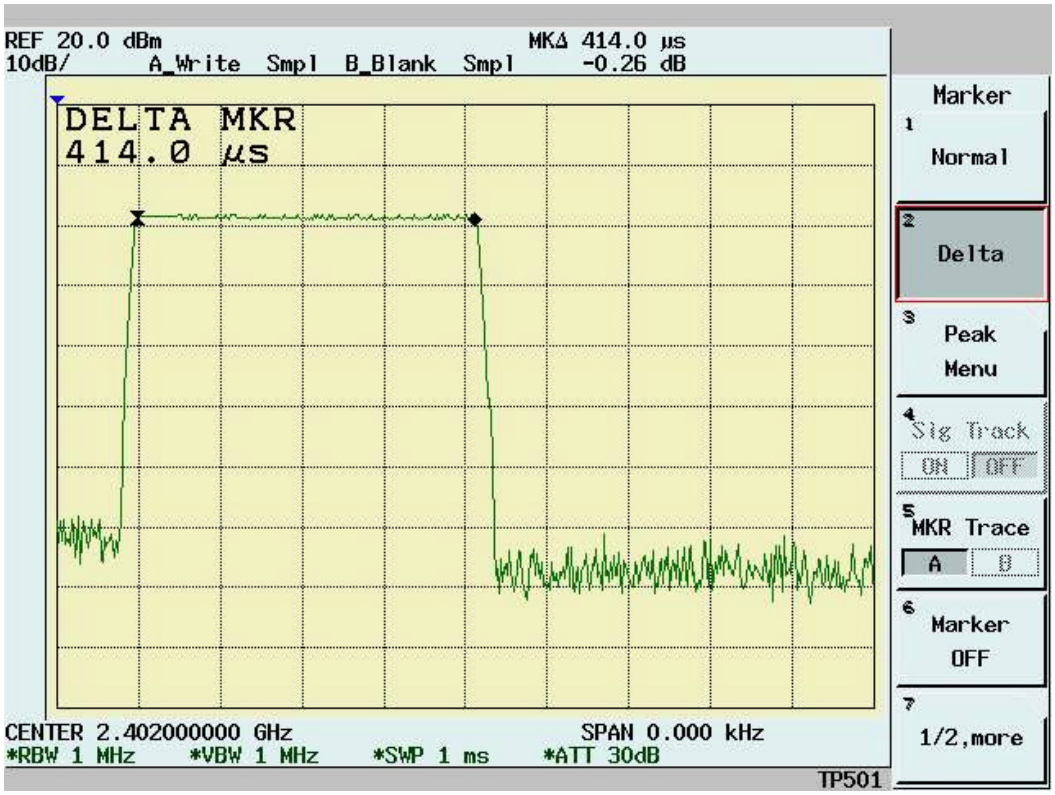
Mode	Frequency (MHz)	Spectrum Reading (μs)	Test Result (ms)	Limit (ms)	Pass/Fail
DH1	**2480**	414	264.96	< 400	Pass
DH3	**2480**	1664	354.99	< 400	Pass
DH5	**2480**	2920	373.76	< 400	Pass

Note:

A period time=79x0.4(s)=31.6(s)

CH00	DH1 time slot=	414 (μs)*(1600/(1*79))*31.6=	264.96 (ms)
	DH3 time slot=	1660 (μs)*(1600/(3*79))*31.6=	354.13 (ms)
	DH5 time slot=	2904 (μs)*(1600/(5*79))*31.6=	371.71 (ms)
CH39	DH1 time slot=	416 (μs)*(1600/(1*79))*31.6=	266.24 (ms)
	DH3 time slot=	1668 (μs)*(1600/(3*79))*31.6=	355.84 (ms)
	DH5 time slot=	2912 (μs)*(1600/(5*79))*31.6=	372.74 (ms)
CH78	DH1 time slot=	414 (μs)*(1600/(1*79))*31.6=	264.96 (ms)
	DH3 time slot=	1664 (μs)*(1600/(3*79))*31.6=	354.99 (ms)
	DH5 time slot=	2920 (μs)*(1600/(5*79))*31.6=	373.76 (ms)

Channel 00 DH1:



Channel 00 DH3: