



FCC RF Test Report

APPLICANT : ZTE CORPORATION
EQUIPMENT : Wireless Data Terminal
BRAND NAME : ZTE
MODEL NAME : K75
FCC ID : Q78-K75
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DSS) Spread Spectrum Transmitter

The product was received on Oct. 25, 2012 and completely tested on Nov. 21, 2012. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (KUNSHAN) INC., the test report shall not be reproduced except in full.

Reviewed by:

Jones Tsai / Manager



SPORTON INTERNATIONAL (KUNSHAN) INC.
No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C.



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SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(1)	A8.4(2)	Number of Channels	≥ 15Chs	Pass	-
3.2	15.247(a)(1)	A8.1(b)	Hopping Channel Separation	≥ 2/3 of 20dB BW	Pass	-
3.3	15.247(a)(1)	A8.1(d)	Dwell Time of Each Channel	≤ 0.4sec in 31.6sec period	Pass	-
3.4	15.247(a)(1)	A8.1(a)	20dB Bandwidth	NA	Pass	-
3.5	15.247(b)(1)	A8.1(b)	Peak Output Power	≤ 1 w for 1Mbps ≤ 125 Mw for 2, 3Mbps	Pass	-
3.6	15.247(d)	A8.5	Conducted Band Edges	≤ 20dBc	Pass	-
3.7	15.247(d)	A8.5	Conducted Spurious Emission	≤ 20dBc	Pass	-
3.8.8	15.247(d)	A8.5	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 1.6 dB at 549.020 MHz
3.9	15.207	Gen 7.2.4	AC Conducted Emission	15.207(a)	Pass	Under limit 14.31 dB at 0.930 MHz
3.10	15.203 & 15.247(b)	A8.4	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, P.R.China

1.2 Manufacturer

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, P.R.China

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Wireless Data Terminal
Brand Name	ZTE
Model Name	K75
FCC ID	Q78-K75
EUT supports Radios application	WLAN 11bgn / Bluetooth
HW Version	K75_V1MB_C
SW Version	K75_V1_BR1_W1G1_V002
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

Product Specification subjective to this standard	
Tx/Rx Frequency Range	2402 MHz ~ 2480 MHz
Number of Channels	79
Carrier Frequency of Each Channel	2402+n*1 MHz; n=0~78
Maximum Output Power to Antenna	Bluetooth (1Mbps) : 10.43 dBm (0.0111 W) Bluetooth EDR (2Mbps) : 10.17 dBm (0.0104 W) Bluetooth EDR (3Mbps) : 10.61 dBm (0.0115 W)
Antenna Type	PIFA Antenna type with gain -1.00 dBi
Type of Modulation	Bluetooth (1Mbps) : GFSK Bluetooth EDR (2Mbps) : $\pi/4$ -DQPSK Bluetooth EDR (3Mbps) : 8-DPSK

1.4 Testing Site

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.			
Test Site Location	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C. TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958			
Test Site No.	Sporton Site No.			FCC/IC Registration No.
	TH01-KS	CO01-KS	03CH01-KS	149928/4086E-1

1.5 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC Public Notice DA 00-705
- ♦ ANSI C63.4-2003 and ANSI C63.10-2009
- ♦ IC RSS-210 Issue 8
- ♦ IC RSS-Gen Issue 3

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

1.6 Ancillary Equipment List

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Base Station	R&S	CBT	FCC DoC	N/A	Unshielded, 1.8m
2.	DC Power Supply	GWINSTEK	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
3.	WLAN AP	D-link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
4.	Notebook	Dell	P08S	QDS-BRCM1030	N/A	AC I/P: Unshielded, 0.9 m DC O/P: Shielded, 1.8 m
5.	Bluetooth Earphone	Nokia	BH-106	QTLBH-106	N/A	N/A

2 Test Configuration of Equipment Under Test

2.1 RF Output Power

Preliminary tests were performed in different data rate and recorded the RF output power in the following table:

Channel	Frequency	Bluetooth RF Output Power		
		Data Rate / Modulation		
		GFSK	$\pi/4$ -DQPSK	8-DPSK
		1Mbps	2Mbps	3Mbps
Ch00	2402MHz	9.15 dBm	8.82 dBm	9.29 dBm
Ch39	2441MHz	9.76 dBm	9.60 dBm	9.92 dBm
Ch78	2480MHz	10.43 dBm	10.17 dBm	10.61 dBm

Remark:

1. All the test data for each data rate were verified, but only the worst case was reported.
2. The data rate was set in 3Mbps for all the test items due to the highest RF output power.
3. The EUT is programmed to transmit signals continuously for all testing.

2.2 Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and ANSI C63.10-2009 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction (150 KHz to 30 MHz), radiation (9 KHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

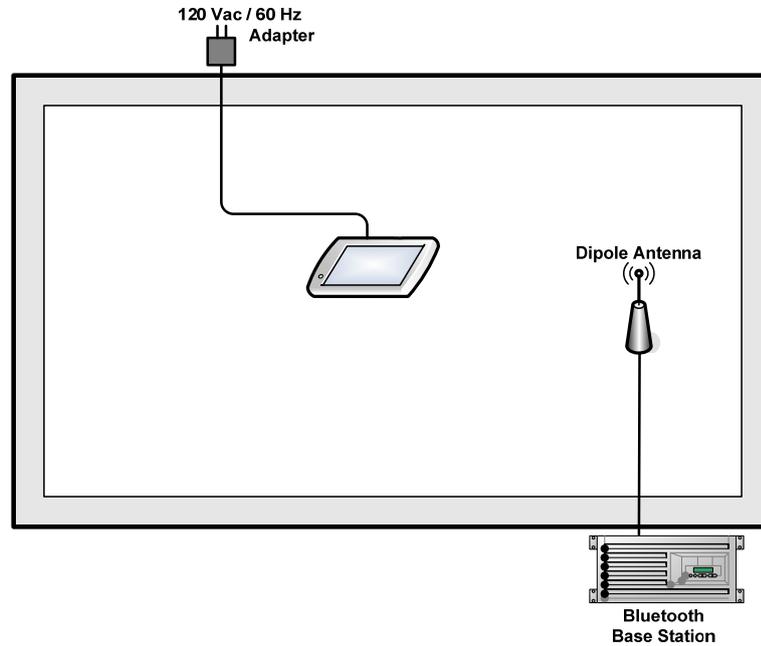
Pre-scanned tests, X, Y, Z in three orthogonal panels, were conducted to determine the final configuration from all possible combinations.

The following tables are showing the test modes as the worst cases (Y plane) and recorded in this report.

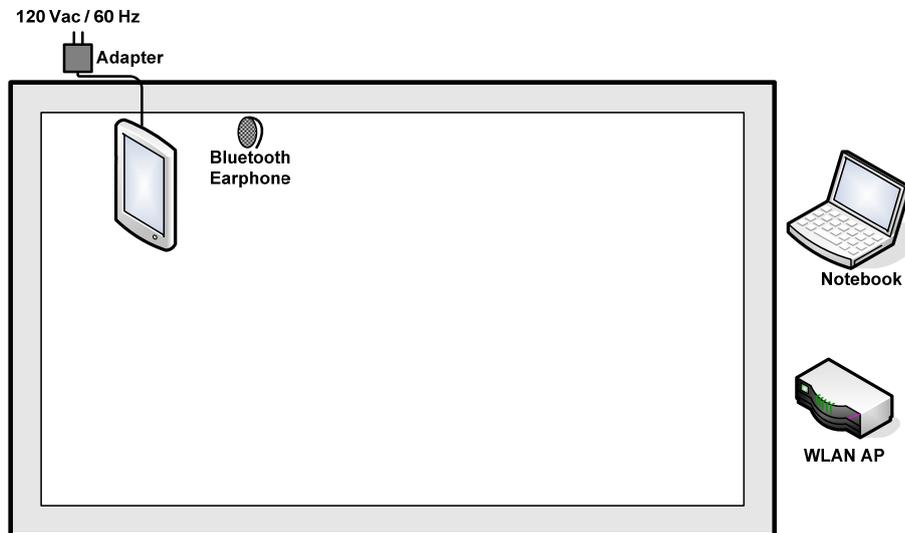
Test Cases			
Test Item	Data Rate / Modulation		
	Bluetooth 1Mbps GFSK	Bluetooth EDR 2Mbps $\pi/4$ -DQPSK	Bluetooth EDR 3Mbps 8-DPSK
Conducted TCs	Mode 1: CH00_2402 MHz Mode 2: CH39_2441 MHz Mode 3: CH78_2480 MHz	Mode 4: CH00_2402 MHz Mode 5: CH39_2441 MHz Mode 6: CH78_2480 MHz	Mode 7: CH00_2402 MHz Mode 8: CH39_2441 MHz Mode 9: CH78_2480 MHz
Radiated TCs	Pretest	Pretest	Mode 1: CH00_2402 MHz Mode 2: CH39_2441 MHz Mode 3: CH78_2480 MHz
AC Conducted Emission	Mode 1 :Bluetooth Link + WLAN Link + USB Cable 1 (Charging from Adapter)		
Remark: For radiated TCs, the data rate was set in 3Mbps due to the highest RF output power; only the data of these modes was reported.			

2.3 Connection Diagram of Test System

<Bluetooth Tx Mode>



<AC Conducted Emission Mode>



2.4 RF Utility

For Bluetooth function, the RF utility, "ADB" was installed in EUT which was programmed in order to make the EUT into the engineering modes to contact with Bluetooth base station for continuous transmitting and receiving signals.

3 Test Result

3.1 Number of Channel Measurement

3.1.1 Limits of Number of Hopping Frequency

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

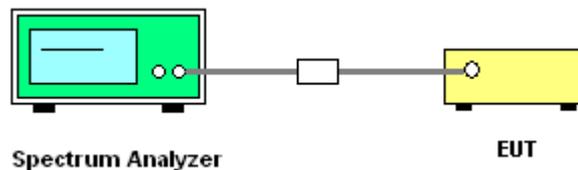
3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedure

1. The testing follows FCC Public Notice DA 00-705 Measurement Guidelines.
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Enable the EUT hopping function.
5. Use the following spectrum analyzer settings: Span = the frequency band of operation; RBW \geq 1% of the span; VBW \geq RBW; Sweep = auto; Detector function = peak; Trace = max hold.
6. The number of hopping frequency used is defined as the number of total channel.

3.1.4 Test Setup



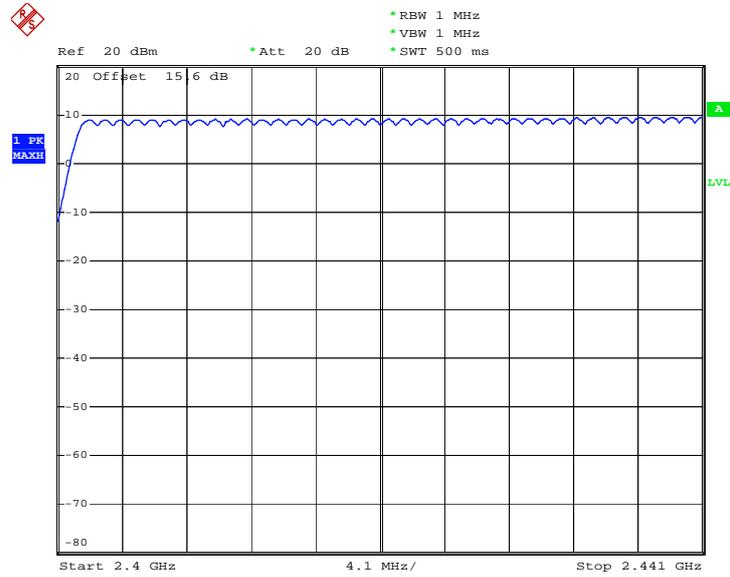
3.1.5 Test Result of Number of Hopping Frequency

Test Mode :	3Mbps	Temperature :	20~21°C
Test Engineer :	Zhi Lu	Relative Humidity :	41~42%

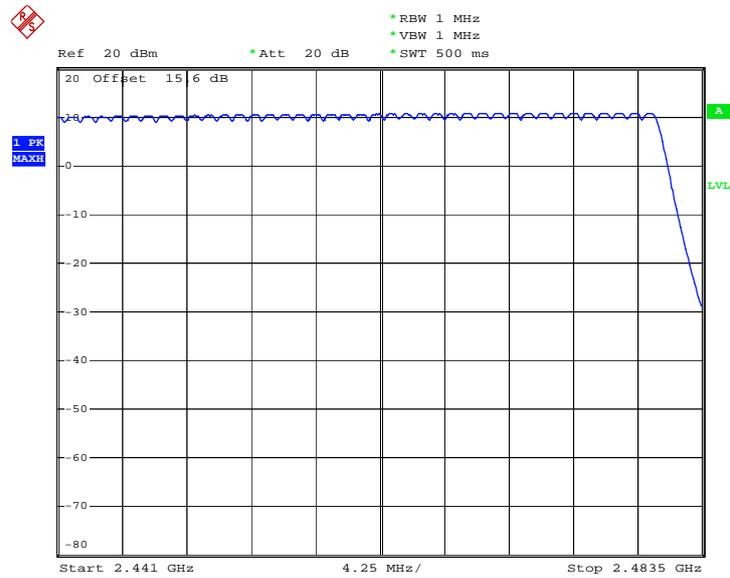
Number of Hopping Channels (Channel)	Limits (Channel)	Pass/Fail
79	> 15	Pass



Number of Hopping Channel Plot on Channel 00 - 78



Date: 9.NOV.2012 23:10:35



Date: 9.NOV.2012 23:28:31

3.2 Hopping Channel Separation Measurement

3.2.1 Limit of Hopping Channel Separation

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.

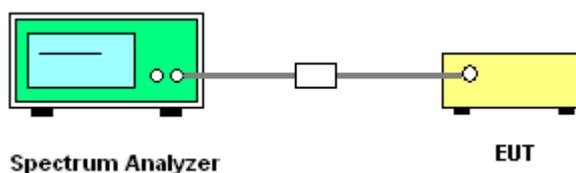
3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

1. The testing follows FCC Public Notice DA 00-705 Measurement Guidelines.
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Enable the EUT hopping function.
5. Use the following spectrum analyzer settings:
Span = wide enough to capture the peaks of two adjacent channels; RBW \geq 1% of the span;
VBW \geq RBW; Sweep = auto; Detector function = peak; Trace = max hold.

3.2.4 Test Setup

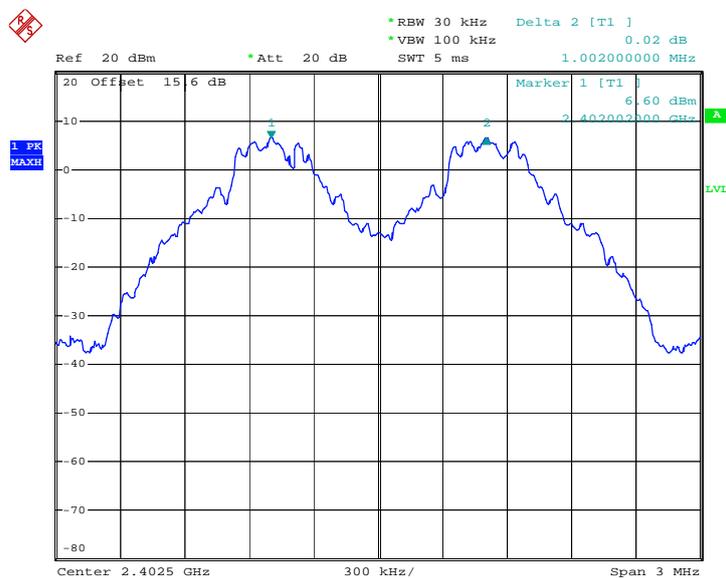


3.2.5 Test Result of Hopping Channel Separation

Test Mode :	1Mbps	Temperature :	20~21°C
Test Engineer :	Zhi Lu	Relative Humidity :	41~42%

Channel	Frequency (MHz)	Frequency Separation (MHz)	(2/3 of 20dB BW) Limits (MHz)	Pass/Fail
00	2402	1.002	0.6240	Pass
39	2441	1.002	0.6480	Pass
78	2480	1.002	0.6267	Pass

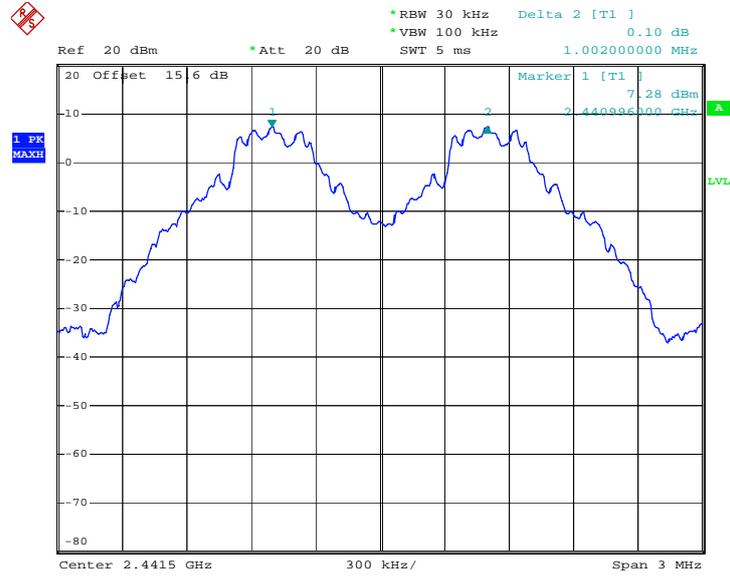
Channel Separation Plot on Channel 00 - 01



Date: 9.NOV.2012 22:41:36

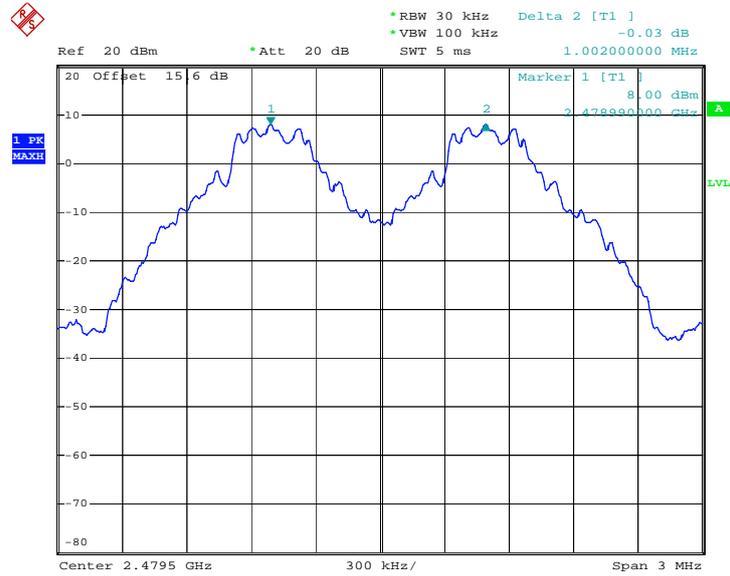


Channel Separation Plot on Channel 39 - 40



Date: 9.NOV.2012 22:42:15

Channel Separation Plot on Channel 77 - 78



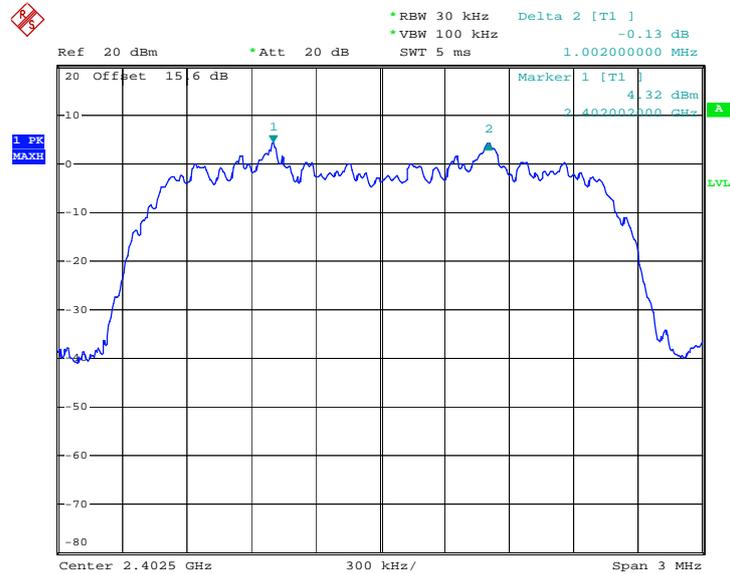
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Test Mode :	2Mbps	Temperature :	20~21°C
Test Engineer :	Zhi Lu	Relative Humidity :	41~42%

Channel	Frequency (MHz)	Frequency Separation (MHz)	(2/3 of 20dB BW) Limits (MHz)	Pass/Fail
00	2402	1.002	0.9040	Pass
39	2441	1.002	0.9040	Pass
78	2480	1.002	0.9040	Pass

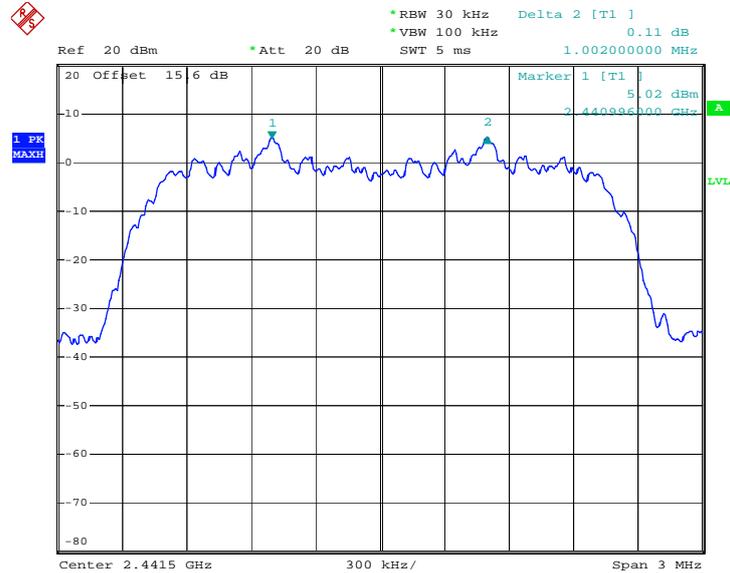
Channel Separation Plot on Channel 00 - 01



Date: 9.NOV.2012 22:44:19

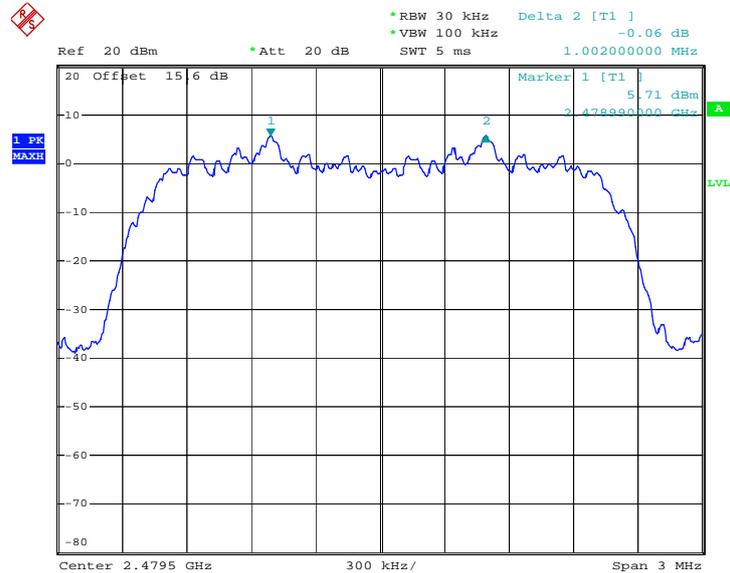


Channel Separation Plot on Channel 39 - 40



Date: 9.NOV.2012 22:45:01

Channel Separation Plot on Channel 77 - 78



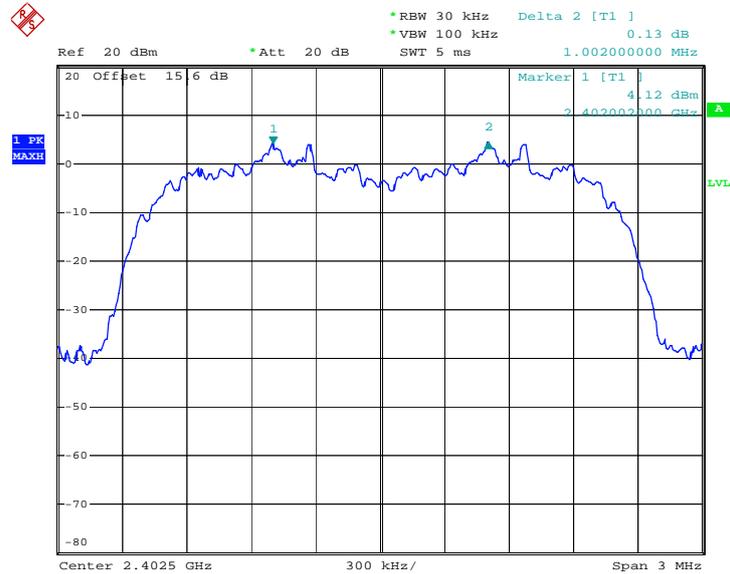
Date: 9.NOV.2012 22:45:40



Test Mode :	3Mbps	Temperature :	20~21°C
Test Engineer :	Zhi Lu	Relative Humidity :	41~42%

Channel	Frequency (MHz)	Frequency Separation (MHz)	(2/3 of 20dB BW) Limits (MHz)	Pass/Fail
00	2402	1.002	0.9000	Pass
39	2441	1.002	0.8560	Pass
78	2480	1.002	0.9000	Pass

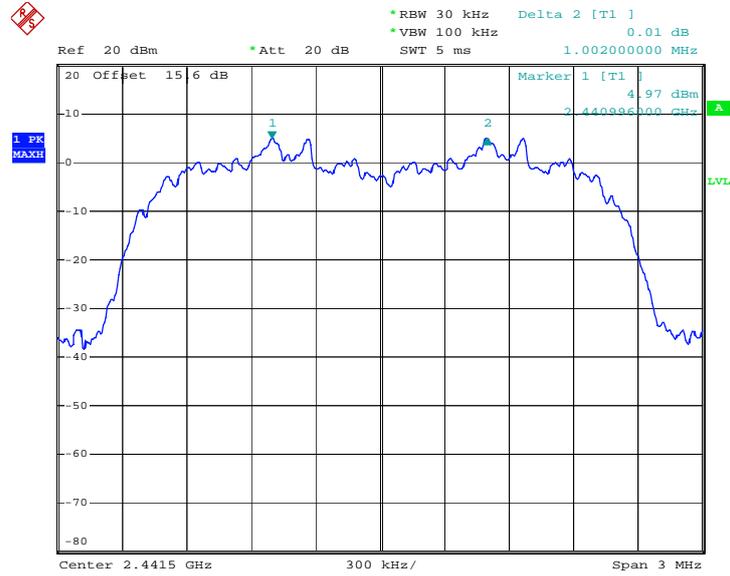
Channel Separation Plot on Channel 00 - 01



Date: 9.NOV.2012 22:47:03

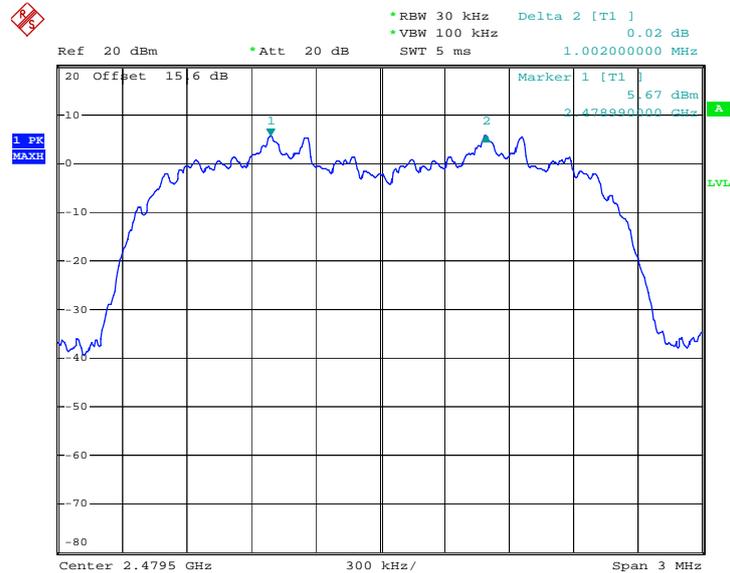


Channel Separation Plot on Channel 39 - 40



Date: 9.NOV.2012 22:47:43

Channel Separation Plot on Channel 77 - 78



Date: 9.NOV.2012 22:48:23

3.3 Dwell Time Measurement

3.3.1 Limit of Dwell Time

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

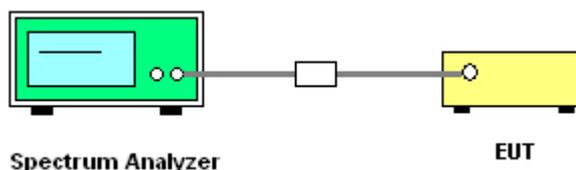
3.3.2 Measuring Instruments

See list of measuring instruments of this test report.

3.3.3 Test Procedures

1. The testing follows FCC Public Notice DA 00-705 Measurement Guidelines.
2. The RF output connector was connected to the spectrum analyzer through a low loss cable.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Enable the EUT hopping function.
5. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW = 1 MHz; VBW ≥ RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold.

3.3.4 Test Setup



3.3.5 Test Result of Dwell Time

Test Mode :	3DH5	Temperature :	20~21°C
Test Engineer :	Zhi Lu	Relative Humidity :	41~42%

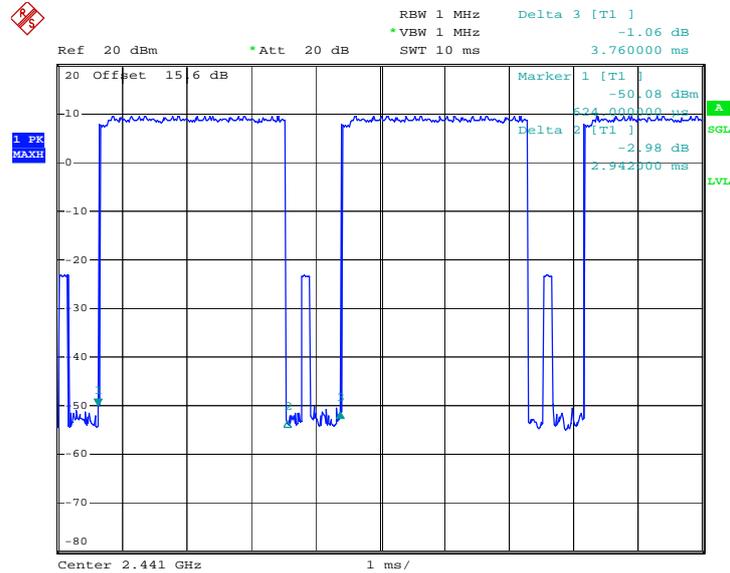
Package Mode	Average Hopping Channel	Package Transfer Time (usec)	Dwell Time (sec)	Limits (sec)	Pass/Fail
3DH5	3.80	2942.00	0.35	0.4	Pass

Remark:

1. Dwell Time=79(channels) x 0.4(s) x average hopping channel x package transfer time
2. 79 channels come from the Hopping Channel number.
3. Average Hopping Channel = hops/sweep time
4. T: Package Transfer Time(us)

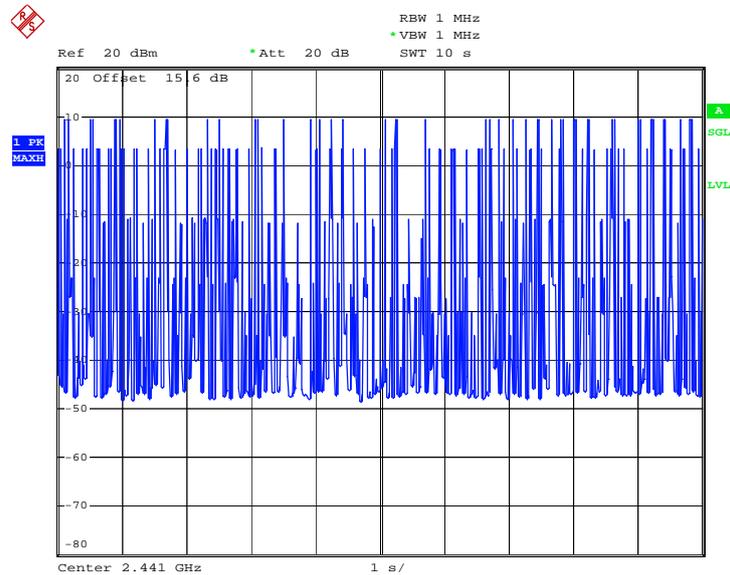


3DH5 Dwell Time (One Pulse) Plot on Channel 39



Date: 9.NOV.2012 22:39:52

3DH5 Dwell Time (Count Pulses) Plot on Channel 39



Date: 9.NOV.2012 22:50:37

3.4 20dB Bandwidth Measurement

3.4.1 Limit of 20dB Bandwidth

Reporting only

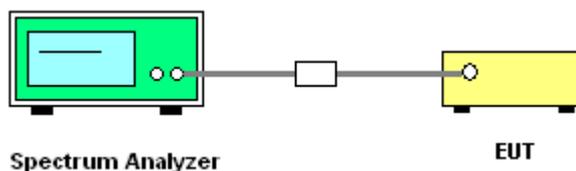
3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

3.4.3 Test Procedures

1. The testing follows FCC Public Notice DA 00-705 Measurement Guidelines.
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Use the following spectrum analyzer settings:
Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel;
RBW \geq 1% of the 20 dB bandwidth; VBW \geq RBW; Sweep = auto; Detector function = peak;
Trace = max hold.

3.4.4 Test Setup



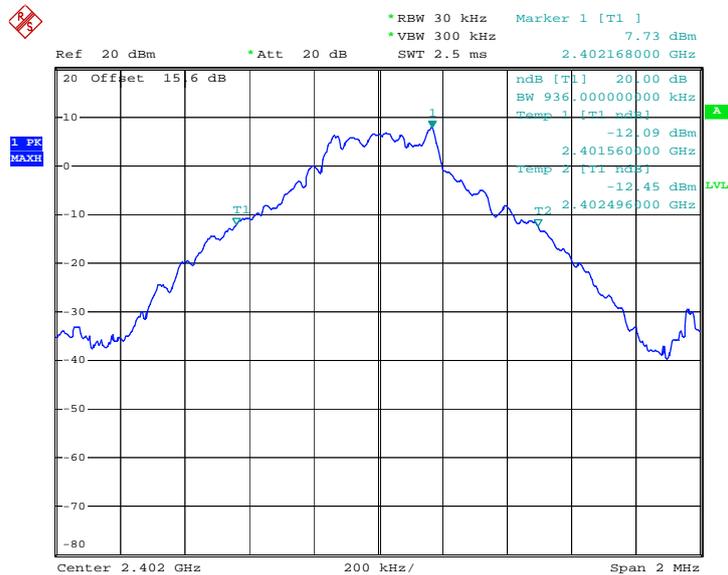


3.4.5 Test Result of 20dB Bandwidth

Test Mode :	1Mbps	Temperature :	20~21°C
Test Engineer :	Zhi Lu	Relative Humidity :	41~42%

Channel	Frequency (MHz)	20dB Bandwidth (MHz)
00	2402	0.936
39	2441	0.972
78	2480	0.940

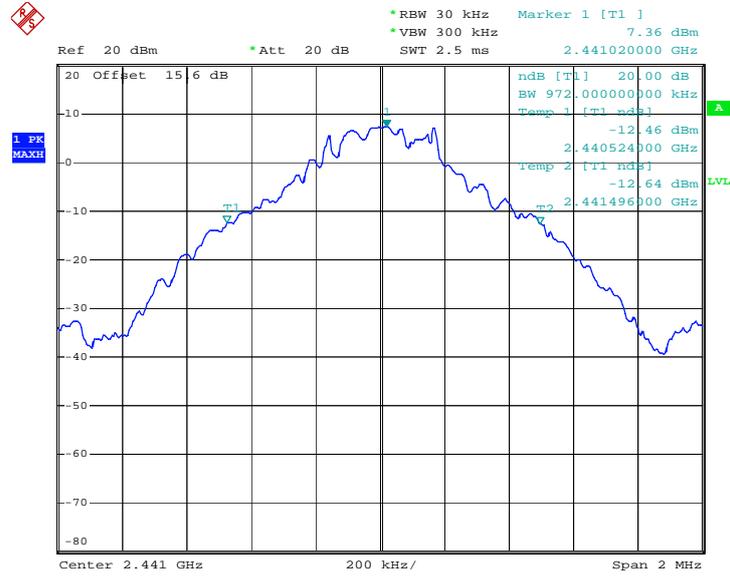
20 dB Bandwidth Plot on Channel 00



Date: 9.NOV.2012 23:37:51

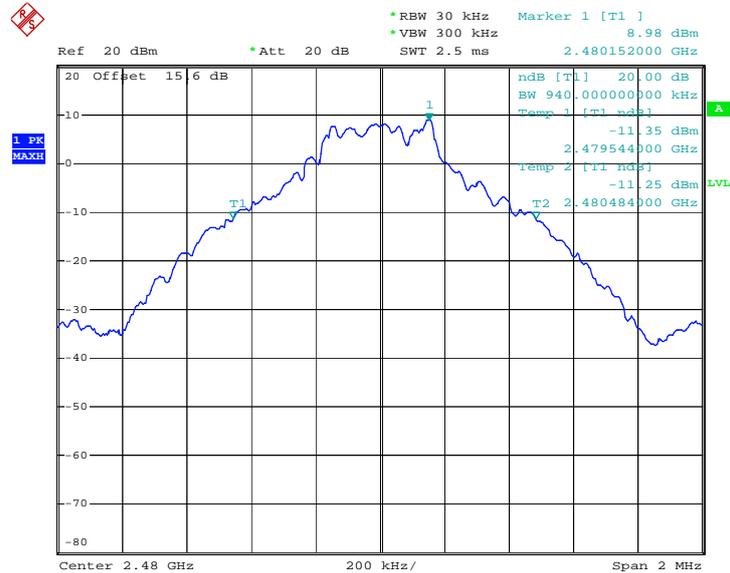


20 dB Bandwidth Plot on Channel 39



Date: 9.NOV.2012 23:38:33

20 dB Bandwidth Plot on Channel 78



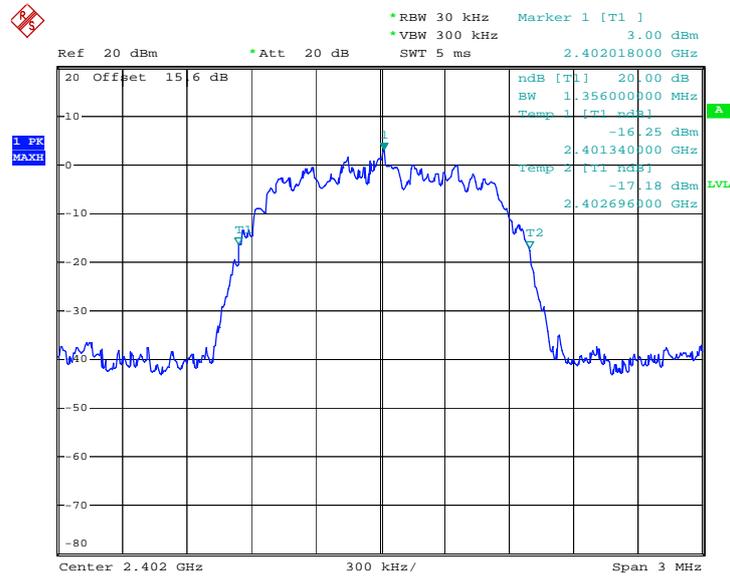
Date: 9.NOV.2012 23:39:18



Test Mode :	2Mbps	Temperature :	20~21°C
Test Engineer :	Zhi Lu	Relative Humidity :	41~42%

Channel	Frequency (MHz)	20dB Bandwidth (MHz)
00	2402	1.356
39	2441	1.356
78	2480	1.356

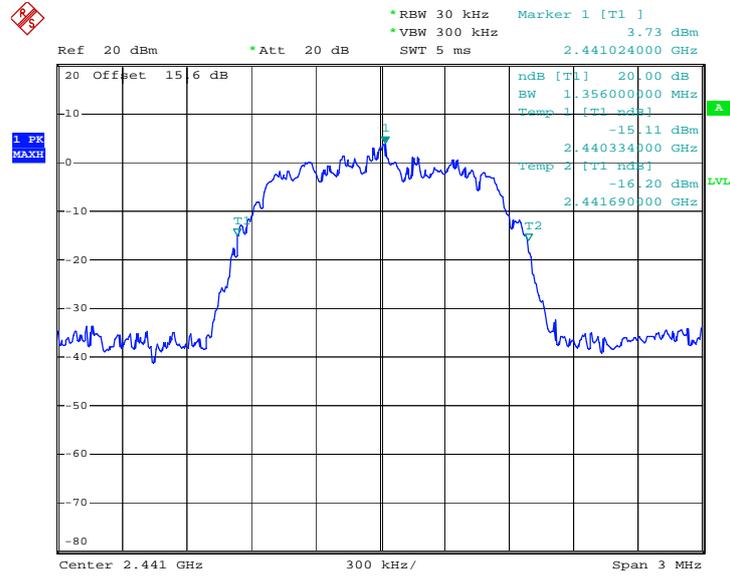
20 dB Bandwidth Plot on Channel 00



Date: 9.NOV.2012 22:51:03

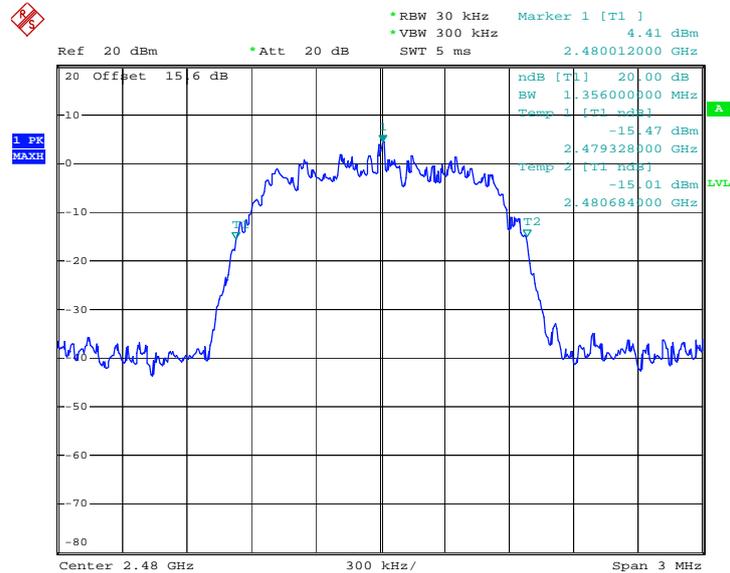


20 dB Bandwidth Plot on Channel 39



Date: 9.NOV.2012 22:51:06

20 dB Bandwidth Plot on Channel 78



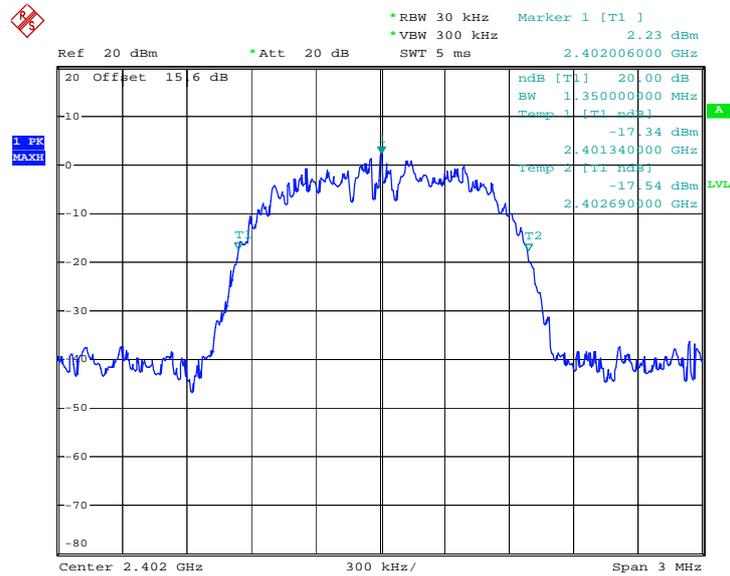
Date: 9.NOV.2012 22:51:09



Test Mode :	3Mbps	Temperature :	20~21°C
Test Engineer :	Zhi Lu	Relative Humidity :	41~42%

Channel	Frequency (MHz)	20dB Bandwidth (MHz)
00	2402	1.350
39	2441	1.284
78	2480	1.350

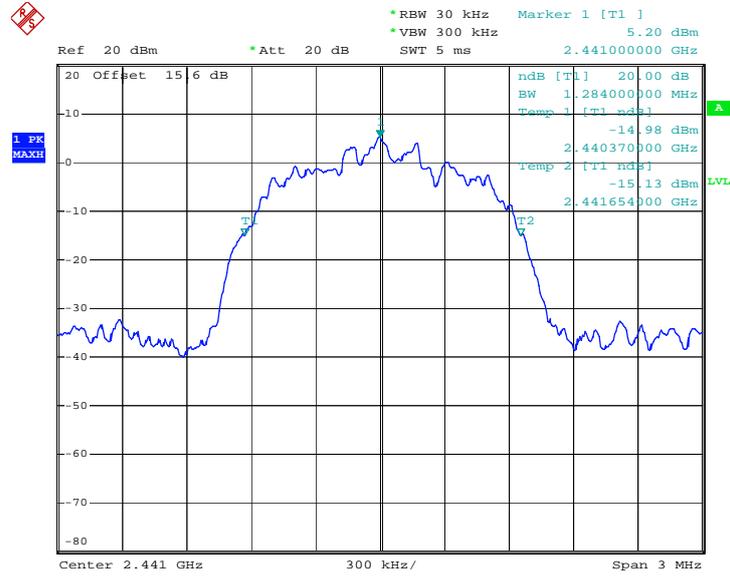
20 dB Bandwidth Plot on Channel 00



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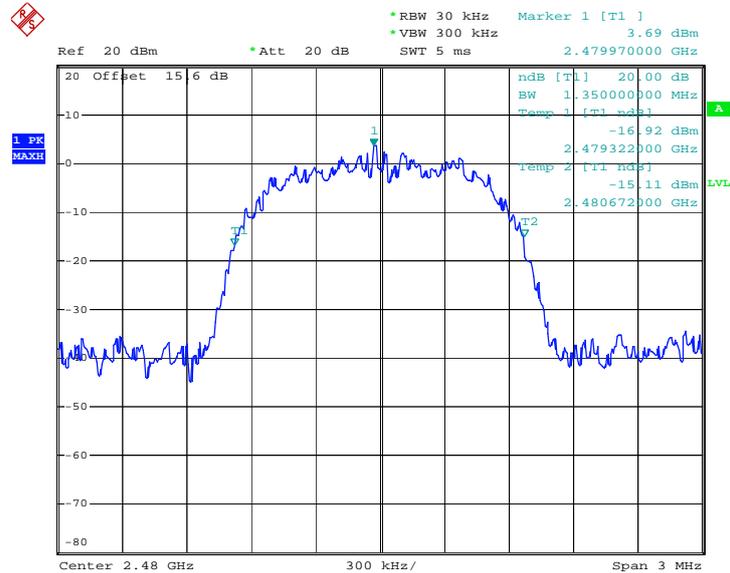


20 dB Bandwidth Plot on Channel 39



Date: 9.NOV.2012 23:43:27

20 dB Bandwidth Plot on Channel 78



Date: 9.NOV.2012 22:51:17

3.5 Peak Output Power Measurement

3.5.1 Limit of Peak Output Power

Section 15.247 (b) The maximum peak conducted output power of the intentional radiator shall not exceed the following: (1) 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. The power limit for 1Mbps is 1watt, and for 2Mbps, and 3Mbps are 0.125 watts.

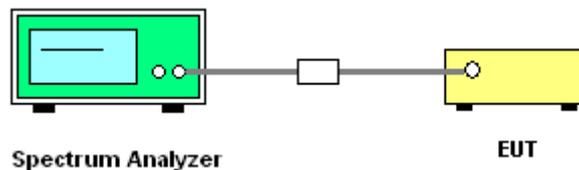
3.5.2 Measuring Instruments

See list of measuring instruments of this test report.

3.5.3 Test Procedures

1. The testing follows FCC Public Notice DA 00-705 Measurement Guidelines.
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.

3.5.4 Test Setup



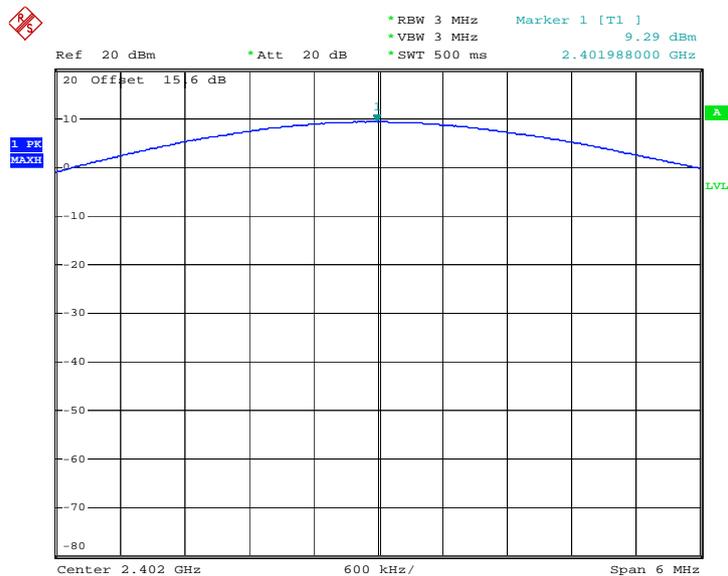


3.5.5 Test Result of Peak Output Power

Test Mode :	3Mbps	Temperature :	20~21°C
Test Engineer :	Zhi Lu	Relative Humidity :	41~42%

Channel	Frequency (MHz)	RF Power (dBm)		
		GFSK	Max. Limits (dBm)	Pass/Fail
		1 Mbps		
00	2402	9.29	20.97	Pass
39	2441	9.92	20.97	Pass
78	2480	10.61	20.97	Pass

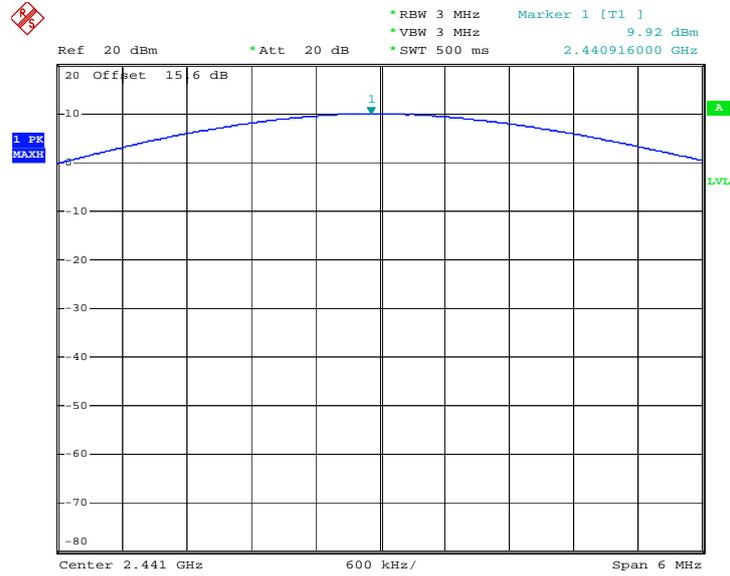
Peak Output Power Plot on Channel 00



Date: 9.NOV.2012 22:05:08

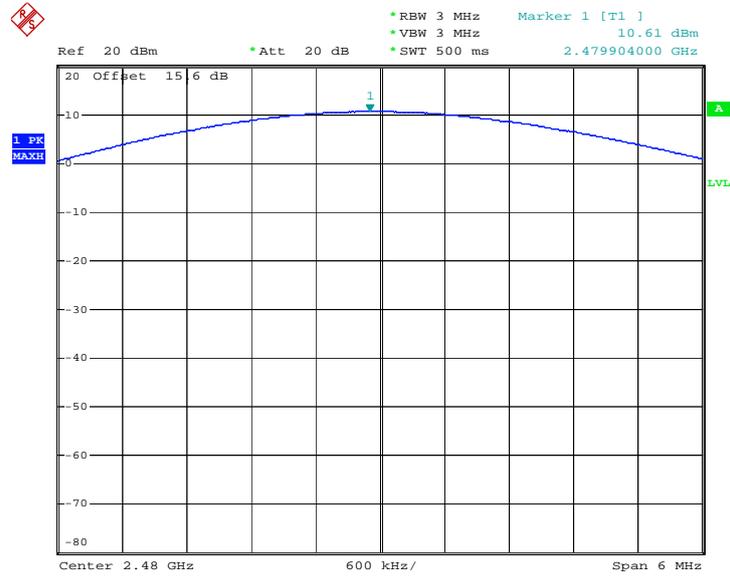


Peak Output Power Plot on Channel 39



Date: 9.NOV.2012 22:06:23

Peak Output Power Plot on Channel 78



Date: 9.NOV.2012 22:07:39

3.6 Conducted Band Edges Measurement

3.6.1 Limit of Band Edges

In any 100 KHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.

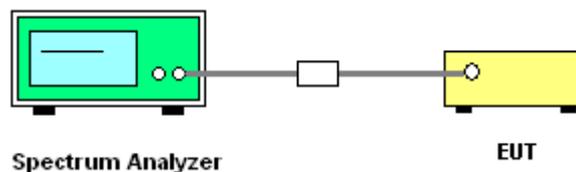
3.6.2 Measuring Instruments

See list of measuring instruments of this test report.

3.6.3 Test Procedures

1. The testing follows the guidelines in Band-edge Compliance of RF Conducted Emissions of FCC Public Notice DA 00-705 Measurement Guidelines.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Set RBW = 300KHz ($\geq 1\%$ span=30MHz), VBW = 300KHz (\geq RBW). Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 300KHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.
4. Enable hopping function of the EUT and then repeat step 2. and 3.
5. Record the results in the test report.

3.6.4 Test Setup

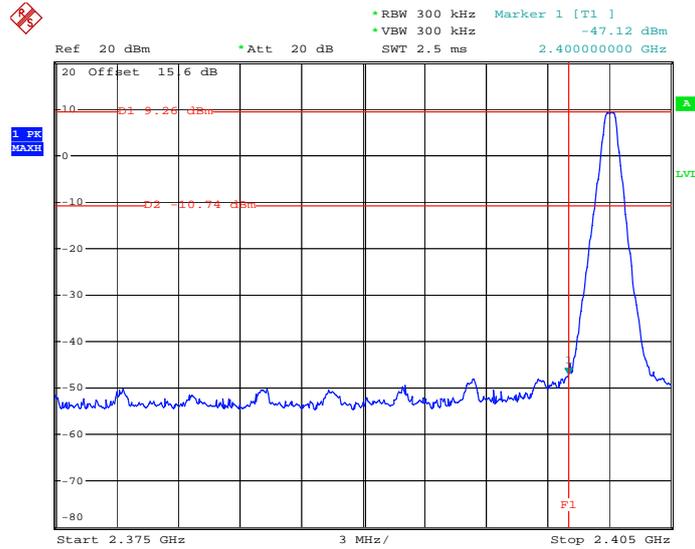




1.6.5 Test Result of Conducted Band Edges

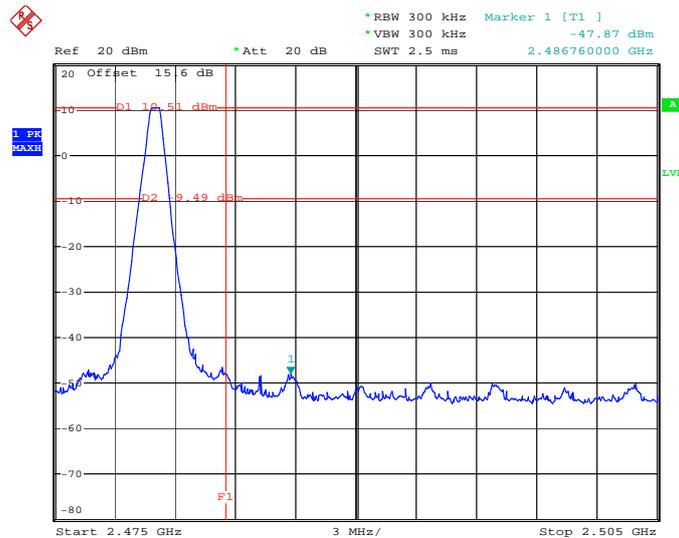
Test Mode :	1Mbps	Temperature :	20~21°C
Test Channel :	00 and 78	Relative Humidity :	41~42%
		Test Engineer :	Zhi Lu

Low Band Edge Plot on Channel 00



Date: 9.NOV.2012 22:52:11

High Band Edge Plot on Channel 78

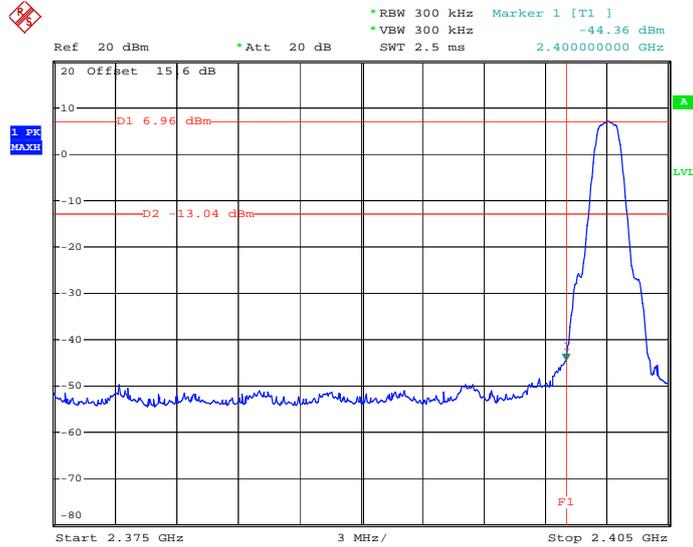


Date: 9.NOV.2012 22:53:14



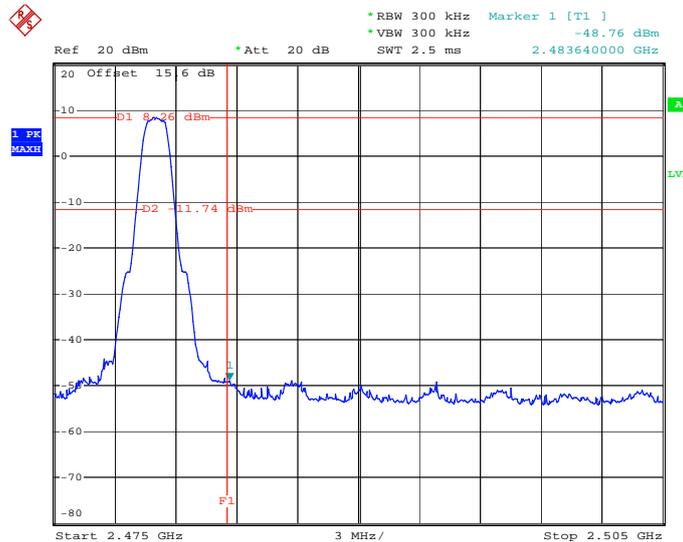
Test Mode :	2Mbps	Temperature :	20~21°C
Test Channel :	00 and 78	Relative Humidity :	41~42%
		Test Engineer :	Zhi Lu

Low Band Edge Plot on Channel 00



Date: 9.NOV.2012 22:54:05

High Band Edge Plot on Channel 78

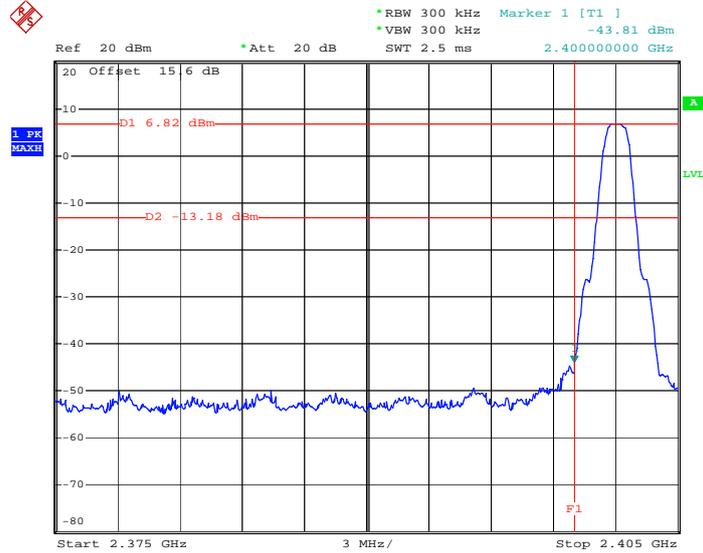


Date: 9.NOV.2012 22:55:08



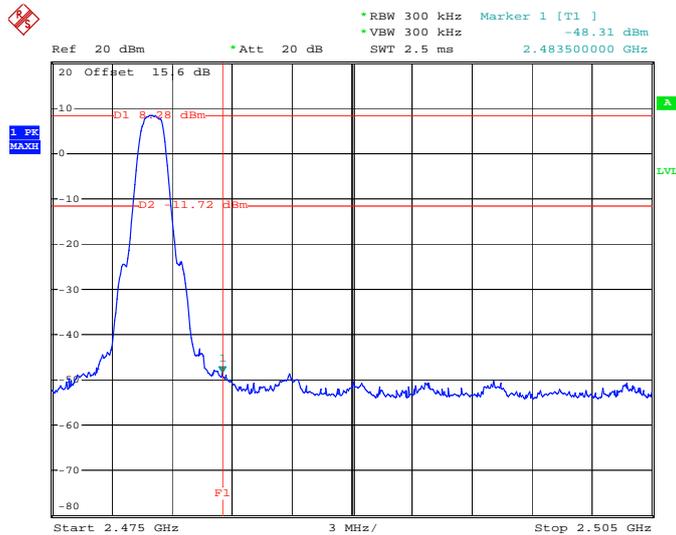
Test Mode :	3Mbps	Temperature :	20~21°C
Test Channel :	00 and 78	Relative Humidity :	41~42%
		Test Engineer :	Zhi Lu

Low Band Edge Plot on Channel 00



Date: 9.NOV.2012 22:56:00

High Band Edge Plot on Channel 78

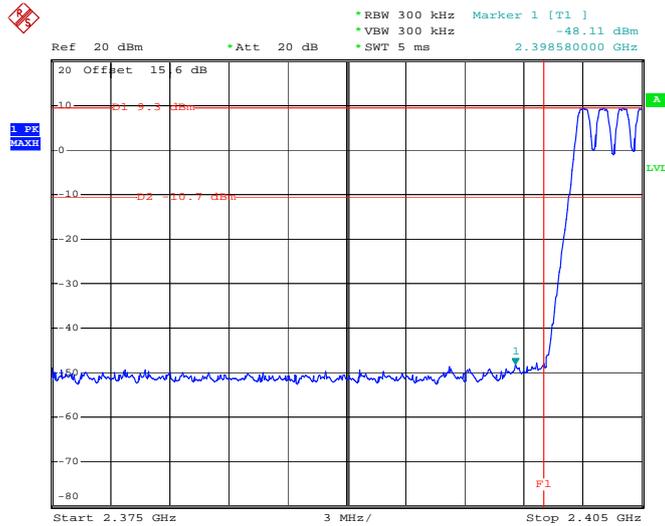


Date: 9.NOV.2012 22:57:03

1.6.6 Test Result of Conducted Hopping Mode Band Edges

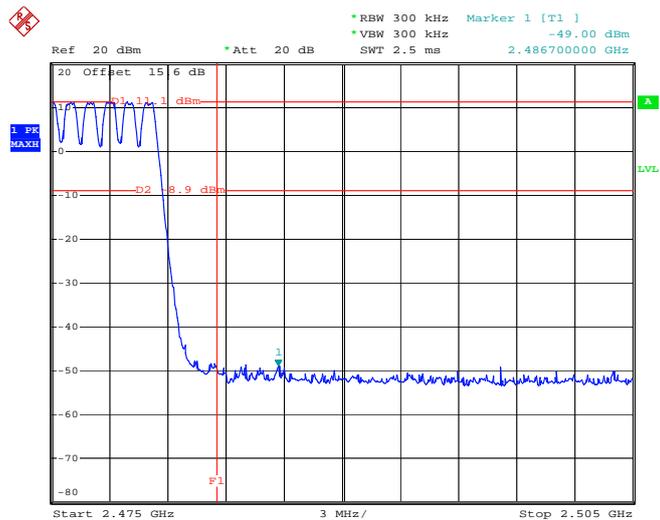
Test Mode :	1Mbps	Temperature :	20~21°C
Test Channel :	00 and 78	Relative Humidity :	41~42%
		Test Engineer :	Zhi Lu

Hopping Mode Low Band Edge Plot on Channel 00



Date: 10.NOV.2012 00:02:25

Hopping Mode High Band Edge Plot on Channel 78

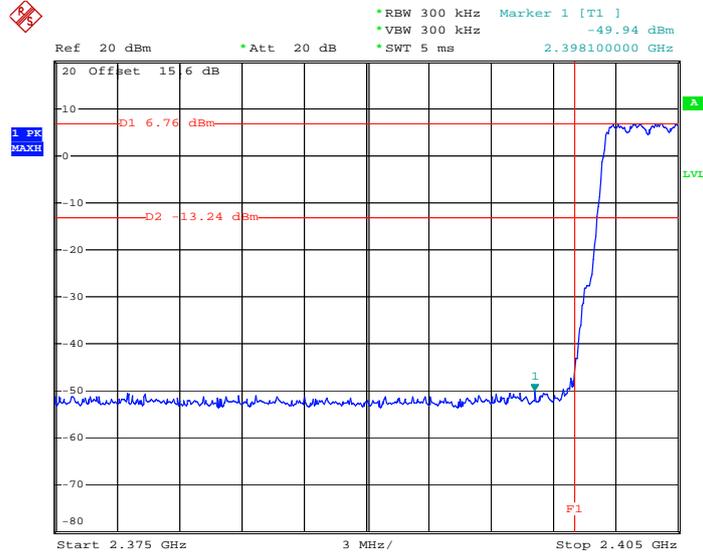


Date: 23.NOV.2012 15:19:03



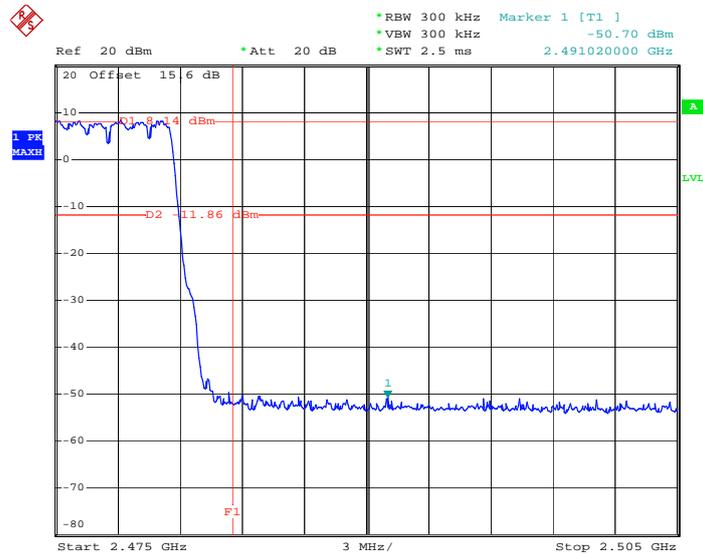
Test Mode :	2Mbps	Temperature :	20~21°C
Test Channel :	00 and 78	Relative Humidity :	41~42%
		Test Engineer :	Zhi Lu

Hopping Mode Low Band Edge Plot on Channel 00



Date: 10.NOV.2012 00:04:42

Hopping Mode High Band Edge Plot on Channel 78

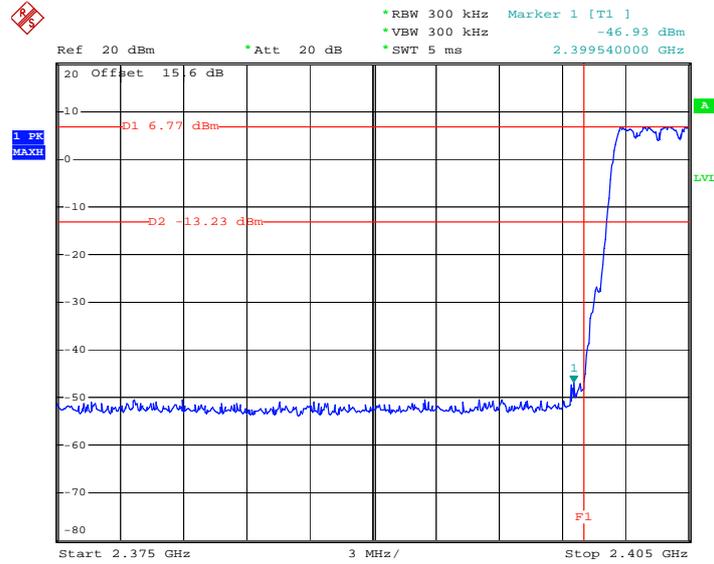


Date: 10.NOV.2012 00:10:23



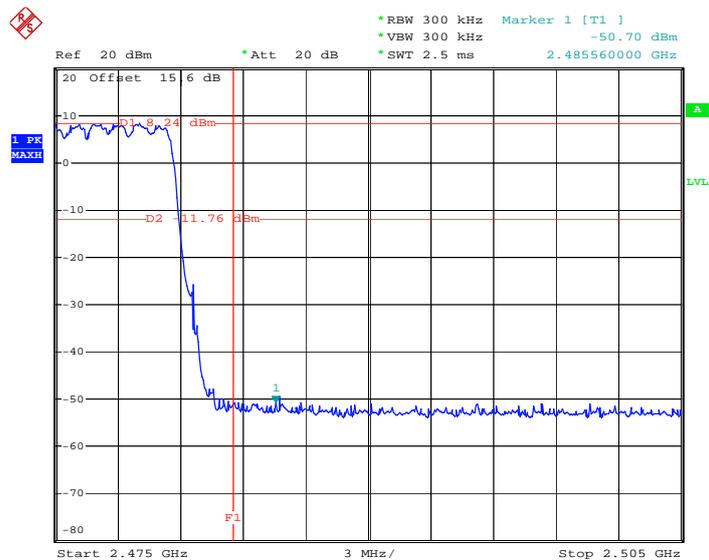
Test Mode :	3Mbps	Temperature :	20~21°C
Test Channel :	00 and 78	Relative Humidity :	41~42%
		Test Engineer :	Zhi Lu

Hopping Mode Low Band Edge Plot on Channel 00



Date: 10.NOV.2012 00:06:46

Hopping Mode High Band Edge Plot on Channel 78



Date: 10.NOV.2012 00:08:56

3.7 Conducted Spurious Emission Measurement

3.7.1 Limit of Spurious Emission Measurement

In any 100 KHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.

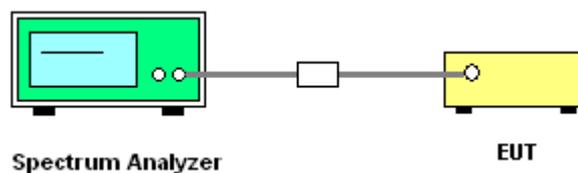
3.7.2 Measuring Instruments

See list of measuring instruments of this test report.

3.7.3 Test Procedure

1. The testing follows the guidelines in Spurious RF Conducted Emissions of FCC Public Notice DA 00-705 Measurement Guidelines
2. The transmitter output was connected to the spectrum analyzer via a low lose cable.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 KHz, VBW = 300KHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 KHz RBW.
5. Record the results in the test report.

3.7.4 Test Setup

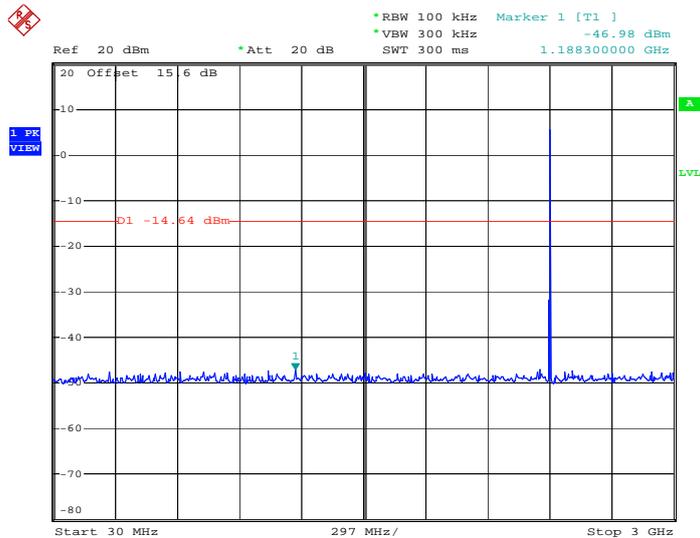




3.7.5 Test Result

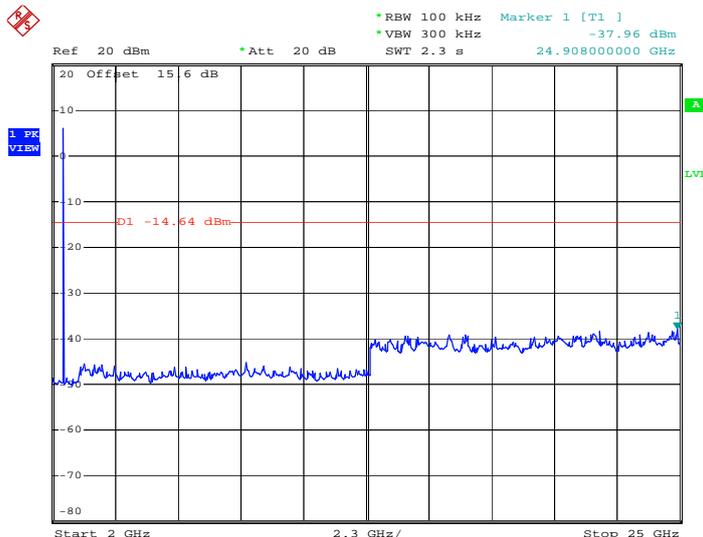
Test Mode :	3Mbps	Temperature :	20~21°C
Test Channel :	00	Relative Humidity :	41~42%
		Test Engineer :	Zhi Lu

Conducted Spurious Emission Plot between 30MHz ~ 3 GHz



Date: 9.NOV.2012 23:03:23

Conducted Spurious Emission Plot between 2 GHz ~ 25 GHz

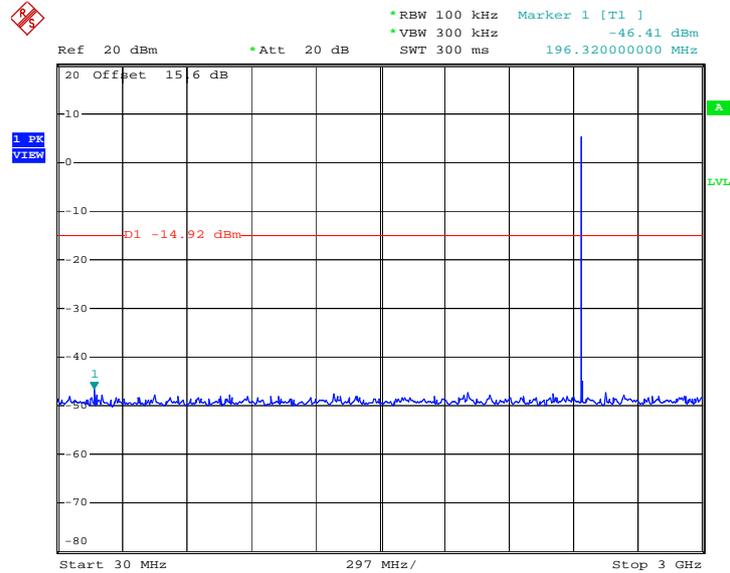


Date: 9.NOV.2012 23:49:40



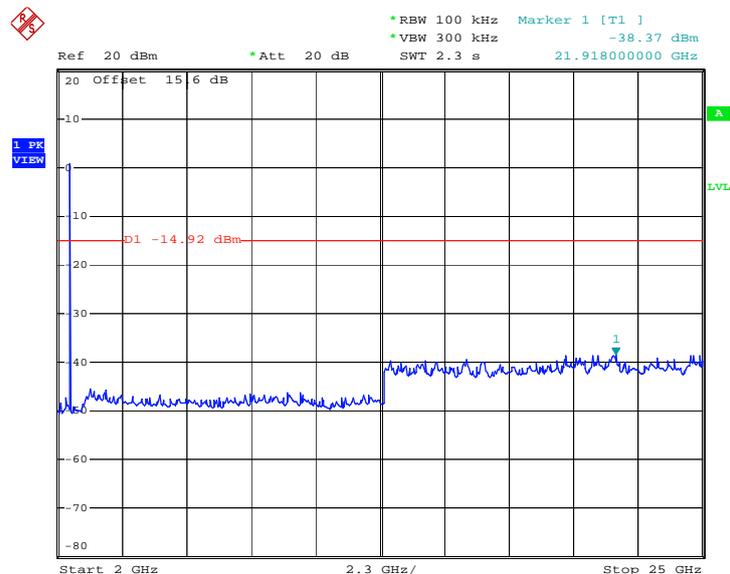
Test Mode :	3Mbps	Temperature :	20~21°C
Test Channel :	39	Relative Humidity :	41~42%
		Test Engineer :	Zhi Lu

Conducted Spurious Emission Plot between 30MHz ~ 3 GHz



Date: 9.NOV.2012 23:04:27

Conducted Spurious Emission Plot between 2 GHz ~ 25 GHz

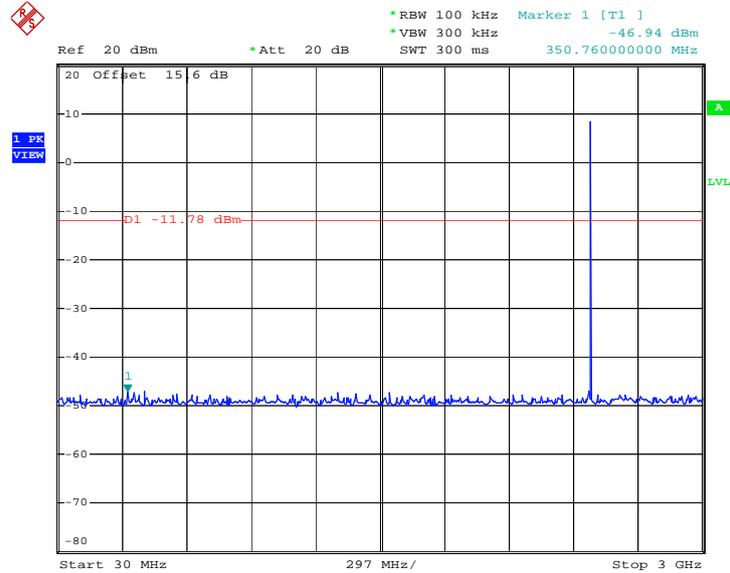


Date: 9.NOV.2012 23:51:03



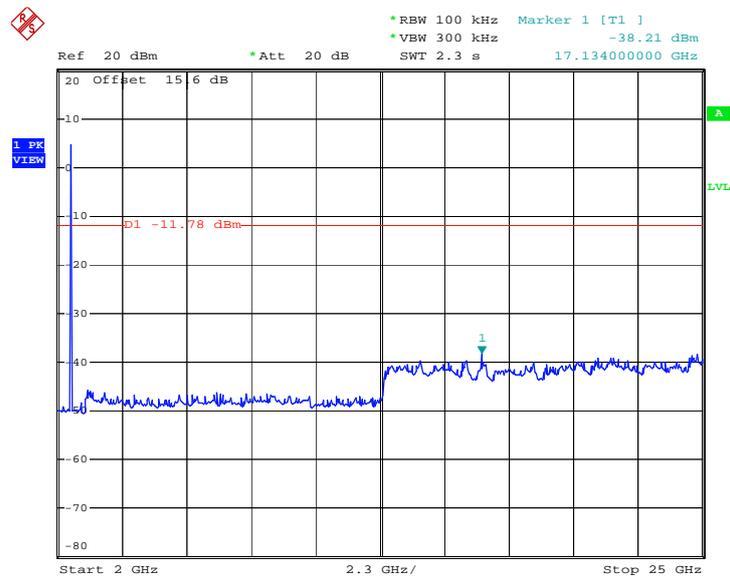
Test Mode :	3Mbps	Temperature :	20~21°C
Test Channel :	78	Relative Humidity :	41~42%
		Test Engineer :	Zhi Lu

Conducted Spurious Emission Plot between 30MHz ~ 3 GHz



Date: 9.NOV.2012 23:05:31

Conducted Spurious Emission Plot between 2 GHz ~ 25 GHz



Date: 9.NOV.2012 23:51:44

3.8 Radiated Band Edges and Spurious Emission Measurement

3.8.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 KHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(KHz)	300
0.490 – 1.705	24000/F(KHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.8.2 Measuring Instruments

See list of measuring instruments of this test report.

3.8.3 Test Procedures

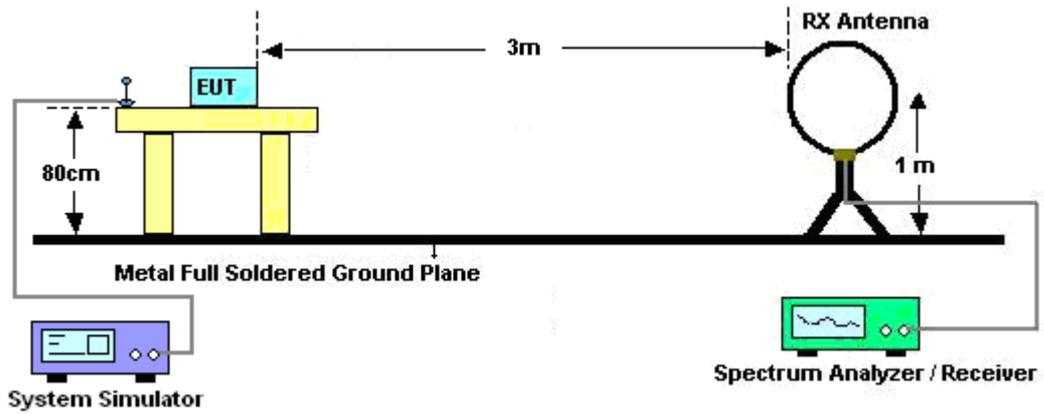
1. The testing follows the guidelines in Spurious Radiated Emissions of FCC Public Notice DA 00-705 Measurement Guidelines and fulfills ANSI C63.4-2003 and the guidelines in ANSI C63.10-2009 test site requirement.
2. The EUT was placed on a turntable with 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 KHz for $f < 1$ GHz, RBW=1MHz for $f > 1$ GHz ; VBW \geq RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
 - (3) For average measurement: use duty cycle correction factor method per 15.35(c).
Duty cycle = On time/100 milliseconds
On time = $N_1 * L_1 + N_2 * L_2 + \dots + N_{n-1} * L_{n-1} + N_n * L_n$
Where N_1 is number of type 1 pulses, L_1 is length of type 1 pulses, etc.
Average Level = Peak Level + $20 * \log(\text{Duty cycle})$
7. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Note: The average levels were calculated from the peak level corrected with duty cycle correction factor (24.5dB) derived from $20 \log(\text{dwell time}/100\text{ms})$.

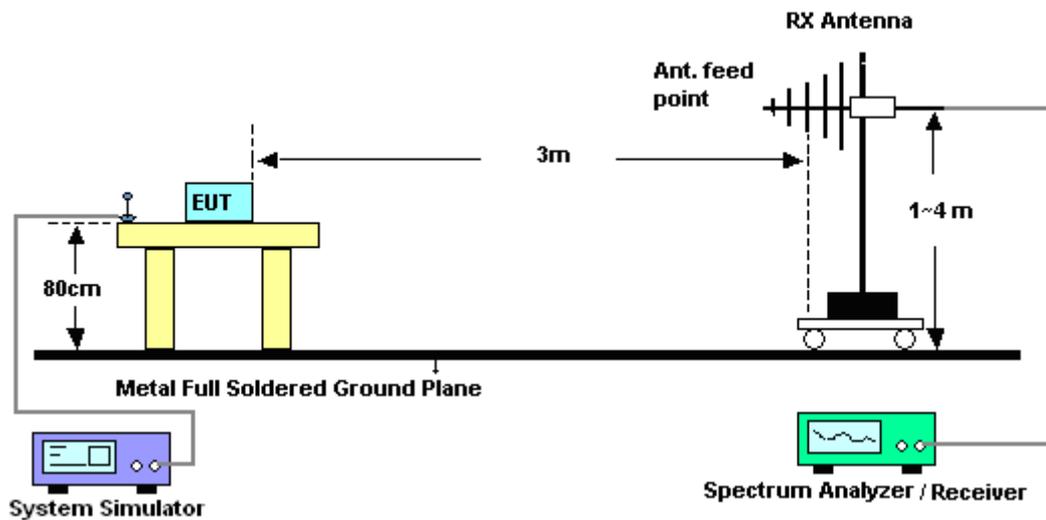
For example: Average level = $45.61\text{dBuV/m} - 24.5(\text{dB}) = 21.11\text{dBuV/m}$.

3.8.4 Test Setup

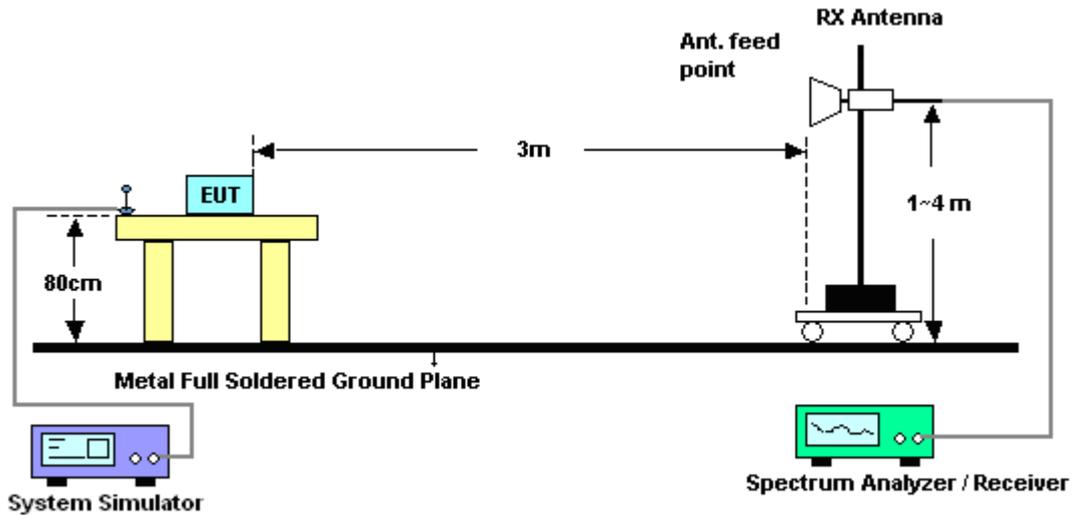
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

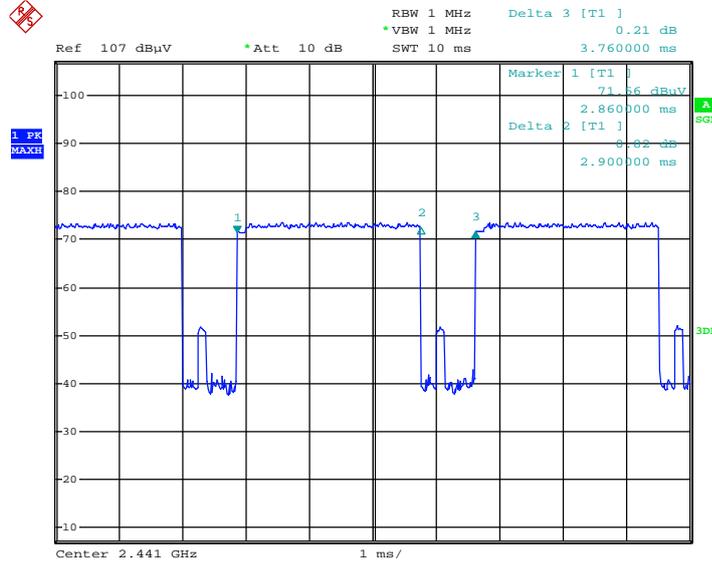


3.8.5 Test Results of Radiated Emissions (9 KHz ~ 30 MHz)

The low frequency, which started from 9 KHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

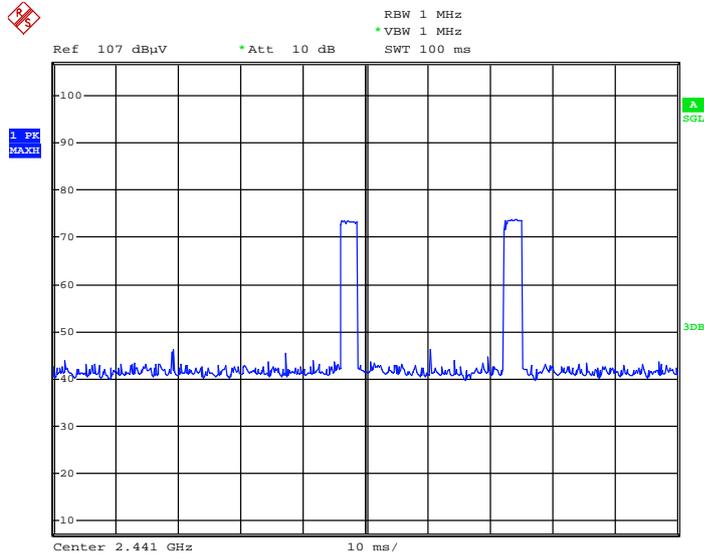
3.8.6 Duty cycle correction factor for average measurement

3DH5 on time/100ms (One Pulse) Plot on Channel 39



Date: 20.NOV.2012 20:54:19

3DH5 on time/100ms (Count Pulses) Plot on Channel 39



Date: 20.NOV.2012 20:55:49

Note:

1. Duty cycle = on time/100 milliseconds = 2 * 2.90 / 100 = 5.80 %
2. Duty cycle correction factor = 20*log(Duty cycle) = -24.73 dB
3. 3DH5 has the highest duty cycle and is reported.



3.8.7 Test Result of Radiated Band Edges

Test Mode :	3Mbps	Temperature :	21~22°C
Test Channel :	00	Relative Humidity :	46~47%
		Test Engineer :	Chenmy Cheng

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2360.13	49.13	-24.87	74	45.75	32.81	2.08	31.51	100	323	Peak
2360.13	24.40	-29.60	54	-	-	-	-	-	-	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2384.61	49.75	-24.25	74	46.34	32.83	2.09	31.51	101	77	Peak
2384.61	25.02	-28.98	54	-	-	-	-	-	-	Average

Note: The average levels were calculated from the peak level corrected with duty cycle correction factor (24.73dB) derived from 20log (dwell time/100ms).

For example: Average level = 49.75dBuV/m – 24.73 (dB) = 25.02dBuV/m.

Test Mode :	3Mbps	Temperature :	21~22°C
Test Channel :	78	Relative Humidity :	46~47%
		Test Engineer :	Chenmy Cheng

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2483.5	64.45	-9.55	74	60.79	33.01	2.16	31.51	105	134	Peak
2483.5	39.72	-14.28	54	-	-	-	-	-	-	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2483.5	64.88	-9.12	74	61.22	33.01	2.16	31.51	100	79	Peak
2483.5	40.15	-13.85	54	-	-	-	-	-	-	Average

3.8.8 Test Result of Radiated Emission (30 MHz ~ 10th Harmonic)

Test Mode :	3Mbps	Temperature :	21~22°C
Test Channel :	00	Relative Humidity :	46~47%
Test Engineer :	Chenmy Cheng	Polarization :	Horizontal
Remark :	2402 MHz is fundamental signal which can be ignored.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
304.61	34.46	-11.54	46	53.73	13.1	1	33.37	-	-	Peak
426.521	41.11	-4.89	46	57.01	16.17	1.18	33.25	100	254	Peak
487.315	35.65	-10.35	46	50.5	17	1.3	33.15	-	-	Peak
549.02	41.9	-4.1	46	55.11	18.48	1.33	33.02	-	-	Peak
609.922	38.33	-7.67	46	51.23	18.64	1.41	32.95	-	-	Peak
731.92	33.04	-12.96	46	44.57	19.72	1.56	32.81	-	-	Peak
2402	101.48	-	-	98.02	32.86	2.11	31.51	106	215	Peak
2402	76.75	-	-	-	-	-	-	-	-	Average

Note: The average levels were calculated from the peak level corrected with duty cycle correction factor (24.73dB) derived from 20log (dwell time/100ms).

For example: Average level = 101.48dBuV/m – 24.73 (dB) = 76.75dBuV/m.

Test Mode :	3Mbps	Temperature :	21~22°C
Test Channel :	00	Relative Humidity :	46~47%
Test Engineer :	Chenmy Cheng	Polarization :	Vertical
Remark :	2402 MHz is fundamental signal which can be ignored.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
426.521	38.72	-7.28	46	54.62	16.17	1.18	33.25	-	-	Peak
487.315	36.22	-9.78	46	51.07	17	1.3	33.15	-	-	Peak
549.02	43.3	-2.7	46	56.51	18.48	1.33	33.02	100	307	QP
609.922	38.84	-7.16	46	51.74	18.64	1.41	32.95	-	-	Peak
750.108	28.73	-17.27	46	40.02	19.9	1.59	32.78	-	-	Peak
948.761	30.34	-15.66	46	40.3	20.73	1.75	32.44	-	-	Peak
2402	105.84	-	-	102.38	32.86	2.11	31.51	175	251	Peak
2402	81.11	-	-	-	-	-	-	-	-	Average



Test Mode :	3Mbps	Temperature :	21~22°C
Test Channel :	39	Relative Humidity :	46~47%
Test Engineer :	Chenmy Cheng	Polarization :	Horizontal
Remark :	2441 MHz is fundamental signal which can be ignored.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
304.61	34.52	-11.48	46	53.79	13.1	1	33.37	-	-	Peak
426.521	41.13	-4.87	46	57.03	16.17	1.18	33.25	-	-	Peak
549.02	42.4	-3.6	46	55.61	18.48	1.33	33.02	100	214	Peak
609.922	37.87	-8.13	46	50.77	18.64	1.41	32.95	-	-	Peak
750.108	39.39	-6.61	46	50.68	19.9	1.59	32.78	-	-	Peak
948.761	32.67	-13.33	46	42.63	20.73	1.75	32.44	-	-	Peak
2441	101.31	-	-	97.73	32.95	2.14	31.51	102	145	Peak
2441	76.52	-	-	-	-	-	-	-	-	Average

Test Mode :	3Mbps	Temperature :	21~22°C
Test Channel :	39	Relative Humidity :	46~47%
Test Engineer :	Chenmy Cheng	Polarization :	Vertical
Remark :	2441 MHz is fundamental signal which can be ignored.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
365.539	28.09	-17.91	46	45.45	14.88	1.11	33.35	-	-	Peak
426.521	37.22	-8.78	46	53.12	16.17	1.18	33.25	-	-	Peak
487.315	36.06	-9.94	46	50.91	17	1.3	33.15	-	-	Peak
549.02	44	-2	46	57.21	18.48	1.33	33.02	100	264	QP
609.922	39.49	-6.51	46	52.39	18.64	1.41	32.95	-	-	Peak
948.761	32.14	-13.86	46	42.1	20.73	1.75	32.44	-	-	Peak
2441	103.86	-	-	100.28	32.95	2.14	31.51	102	57	Peak
2441	79.07	-	-	-	-	-	-	-	-	Average



Test Mode :	3Mbps	Temperature :	21~22°C
Test Channel :	78	Relative Humidity :	46~47%
Test Engineer :	Chenmy Cheng	Polarization :	Horizontal
Remark :	2480 MHz is fundamental signal which can be ignored.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
304.61	34.48	-11.52	46	53.75	13.1	1	33.37	-	-	Peak
426.521	39.4	-6.6	46	55.3	16.17	1.18	33.25	-	-	Peak
487.315	35.89	-10.11	46	50.74	17	1.3	33.15	-	-	Peak
549.02	42.1	-3.9	46	55.31	18.48	1.33	33.02	100	254	QP
609.922	36.24	-9.76	46	49.14	18.64	1.41	32.95	-	-	Peak
731.92	34.03	-11.97	46	45.56	19.72	1.56	32.81	-	-	Peak
2480	100.94	-	-	97.28	33.01	2.16	31.51	100	360	Peak
2480	76.15	-	-	-	-	-	-	-	-	Average

Test Mode :	3Mbps	Temperature :	21~22°C
Test Channel :	78	Relative Humidity :	46~47%
Test Engineer :	Chenmy Cheng	Polarization :	Vertical
Remark :	2480 MHz is fundamental signal which can be ignored.		

Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
75.977	27.99	-12.01	40	55.12	5.93	0.54	33.6	-	-	Peak
426.521	37.07	-8.93	46	52.97	16.17	1.18	33.25	-	-	Peak
487.315	32.95	-13.05	46	47.8	17	1.3	33.15	-	-	Peak
549.02	44.4	-1.6	46	57.61	18.48	1.33	33.02	100	351	QP
609.922	37.84	-8.16	46	50.74	18.64	1.41	32.95	-	-	Peak
948.761	32.4	-13.6	46	42.36	20.73	1.75	32.44	-	-	Peak
2480	102.59	-	-	98.93	33.01	2.16	31.51	102	200	Peak
2480	77.8	-	-	-	-	-	-	-	-	Average

3.9 AC Conducted Emission Measurement

3.9.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 KHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (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.

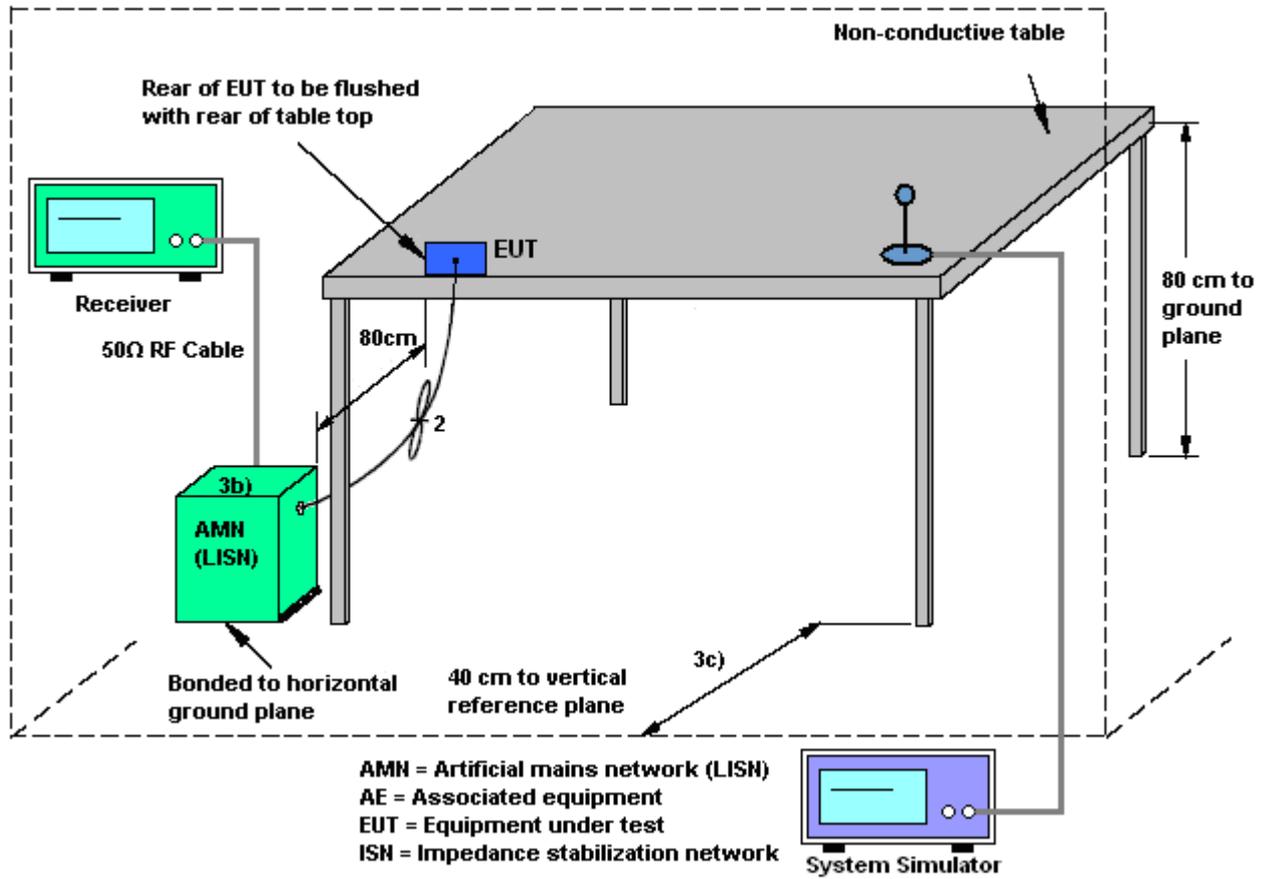
3.9.2 Measuring Instruments

See list of measuring instruments of this test report.

3.9.3 Test Procedures

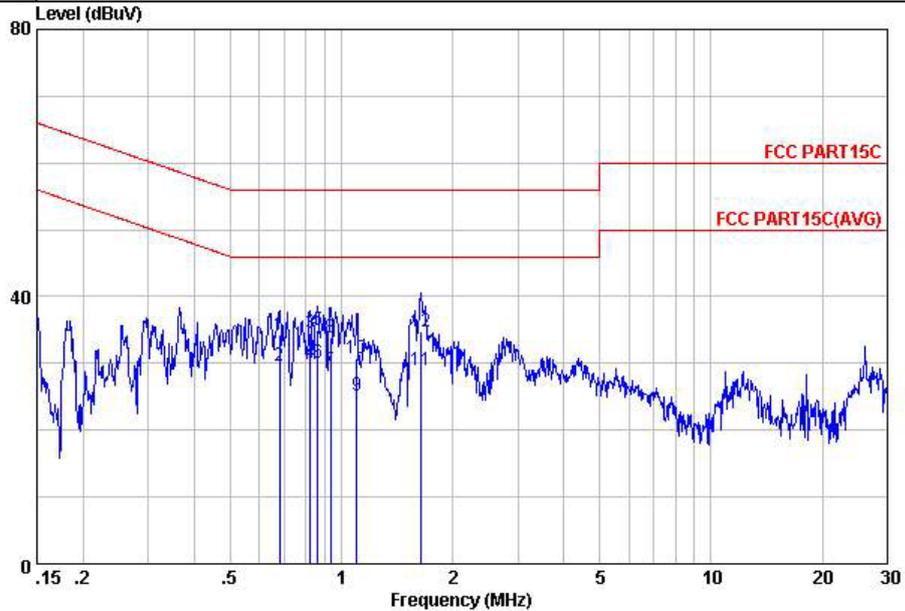
1. The test follows the guidelines in ANSI C63.4-2003 and ANSI C63.10-2009 test site requirement.
2. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN).
4. All the support units are connecting to the other LISN.
5. The LISN provides 50 ohm coupling impedance for the measuring instrument.
6. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
7. Both sides of AC line were checked for maximum conducted interference.
8. The frequency range from 150 KHz to 30 MHz was searched.
9. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.9.4 Test Setup



3.9.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	19~20°C
Test Engineer :	Tom Wang	Relative Humidity :	39~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	Bluetooth Link + WLAN Link + USB Cable 1 (Charging from Adapter)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

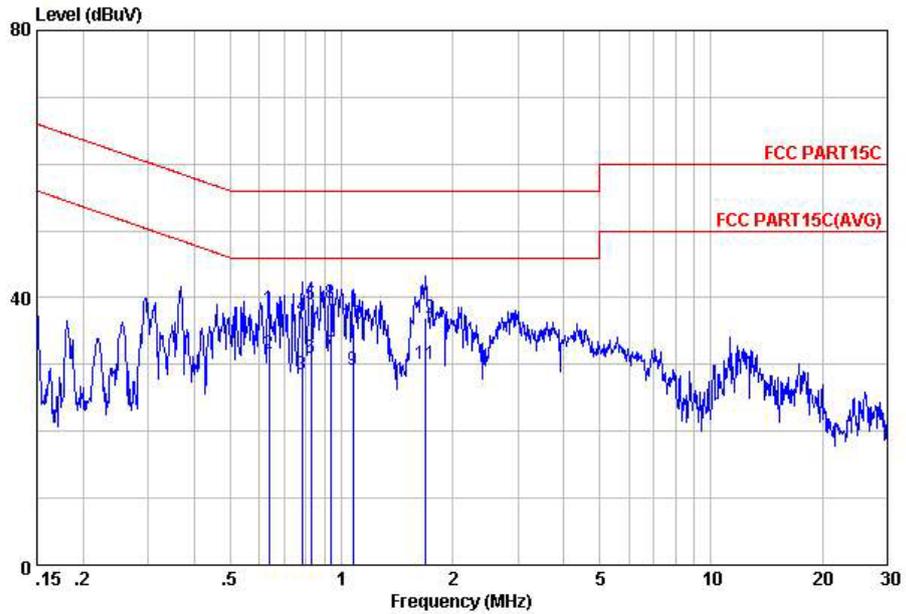


Site : C001-KS
 Condition: FCC PART15C LISN-111230 LINE
 mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.68	34.38	-21.62	56.00	24.20	-0.09	10.27	QP
2	0.68	29.58	-16.42	46.00	19.40	-0.09	10.27	Average
3	0.82	34.48	-21.52	56.00	24.29	-0.09	10.28	QP
4	0.82	30.08	-15.92	46.00	19.89	-0.09	10.28	Average
5	0.86	35.08	-20.92	56.00	24.90	-0.10	10.28	QP
6	0.86	30.18	-15.82	46.00	20.00	-0.10	10.28	Average
7	0.93	28.98	-17.02	46.00	18.80	-0.10	10.28	Average
8	0.93	33.88	-22.12	56.00	23.70	-0.10	10.28	QP
9	1.10	25.18	-20.82	46.00	15.00	-0.10	10.28	Average
10	1.10	30.78	-25.22	56.00	20.60	-0.10	10.28	QP
11	1.64	28.89	-17.11	46.00	18.70	-0.11	10.30	Average
12	1.64	34.79	-21.21	56.00	24.60	-0.11	10.30	QP



Test Mode :	Mode 1	Temperature :	19~20°C
Test Engineer :	Tom Wang	Relative Humidity :	39~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	Bluetooth Link + WLAN Link + USB Cable 1 (Charging from Adapter)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : C001-KS
 Condition: FCC PART15C LISN-111230 NEUTRAL

mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.64	38.29	-17.71	56.00	28.10	-0.08	10.27	QP
2	0.64	31.59	-14.41	46.00	21.40	-0.08	10.27	Average
3	0.78	28.59	-17.41	46.00	18.40	-0.08	10.27	Average
4	0.78	37.19	-18.81	56.00	27.00	-0.08	10.27	QP
5	0.83	39.09	-16.91	56.00	28.89	-0.08	10.28	QP
6	0.83	30.99	-15.01	46.00	20.79	-0.08	10.28	Average
7	0.93	31.69	-14.31	46.00	21.50	-0.09	10.28	Average
8	0.93	39.19	-16.81	56.00	29.00	-0.09	10.28	QP
9	1.08	29.29	-16.71	46.00	19.10	-0.09	10.28	Average
10	1.08	36.09	-19.91	56.00	25.90	-0.09	10.28	QP
11	1.68	30.09	-15.91	46.00	19.90	-0.11	10.30	Average
12	1.68	37.09	-18.91	56.00	26.90	-0.11	10.30	QP



3.10 Antenna Requirements

3.10.1 Standard Applicable

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

3.10.2 Antenna Connected Construction

Non-standard connector used.

3.10.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 30, 2011	Nov. 09, 2012~ Nov. 10, 2012	Dec. 29, 2012	Conducted (TH01-KS)
DC Power Supply	GWINSTEK	GPS-3030D	E1884515	N/A	Aug. 22, 2012	Nov. 09, 2012~ Nov. 10, 2012	Aug. 21, 2013	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-9605 02	N/A	Dec. 30, 2011	Nov. 09, 2012~ Nov. 10, 2012	Dec. 29, 2012	Conducted (TH01-KS)
Bluetooth Base Station	R&S	CBT	100783	N/A	Aug. 17, 2012	Nov. 09, 2012~ Nov. 10, 2012	Aug. 16, 2013	Conducted (TH01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 08, 2012	Nov. 20, 2012~ Nov. 21, 2012	Nov. 07, 2013	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 30, 2011	Nov. 20, 2012~ Nov. 21, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 08, 2011	Nov. 20, 2012~ Nov. 21, 2012	Dec. 07, 2012	Radiation (03CH01-KS)
Loop Antenna	R&S	HFH2-Z2	860004/ 001	9 kHz~30 MHz	Jul. 03, 2012	Nov. 20, 2012~ Nov. 21, 2012	Jul. 02, 2013	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1GHz~18GHz	Jan. 06, 2012	Nov. 20, 2012~ Nov. 21, 2012	Jan. 05, 2013	Radiation (03CH01-KS)
Amplifier	com-power	PA-103A	161069	1MHz~1GHz	Jun. 01, 2012	Nov. 20, 2012~ Nov. 21, 2012	May 31, 2013	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A023 70	1GHz~26.5GHz	Dec. 30, 2011	Nov. 20, 2012~ Nov. 21, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Active Horn Antenna	com-power	AHA-118	701023	1GHz~18GHz	Nov. 06, 2012	Nov. 20, 2012~ Nov. 21, 2012	Nov. 05, 2013	Radiation (03CH01-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA1702 49	15GHz~40GHz	Oct. 12, 2012	Nov. 20, 2012~ Nov. 21, 2012	Oct. 11, 2013	Radiation (03CH01-KS)
Bluetooth Base Station	R&S	CBT	100783	N/A	Aug. 17, 2012	Nov. 20, 2012~ Nov. 21, 2012	Aug. 16, 2013	Radiation (03CH01-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz	Jun. 01, 2012	Nov. 12, 2012	May 31, 2013	Conduction (CO01-KS)
LISN	MessTec	AN3016	60103	9kHz~30MHz	Dec. 30, 2011	Nov. 12, 2012	Dec. 29, 2012	Conduction (CO01-KS)
LISN	MessTec	AN3016	60105	9kHz~30MHz	Dec. 30, 2011	Nov. 12, 2012	Dec. 29, 2012	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP00000 0811	N/A	Nov. 16, 2011	Nov. 12, 2012	Nov. 15, 2012	Conduction (CO01-KS)



5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.26
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.54
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.72
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Appendix A. Photographs of EUT

Please refer to Sporton report number EP2O2503 as below.