

FCC RF Test Report

APPLICANT : CT Asia

EQUIPMENT: Mobile phone

BRAND NAME : BLU

MODEL NAME : Dash 4.5
MARKETING NAME : DASH 4.5

FCC ID : YHLBLUDASH45

STANDARD : FCC Part 15 Subpart C §15.247

CLASSIFICATION : (DSS) Spread Spectrum Transmitter

The product was received on Apr. 25, 2013 and completely tested on May 09, 2013. 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.

SPORTON INTERNATIONAL (KUNSHAN) INC.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR342511A	Rev. 01	Initial issue of report	Jul. 01, 2013

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(1)	Number of Channels	≥ 15Chs	Pass	-
3.2	15.247(a)(1)	Hopping Channel Separation	≥ 2/3 of 20dB BW	Pass	-
3.3	15.247(a)(1)	Dwell Time of Each Channel	≤ 0.4sec in 31.6sec period	Pass	-
3.4	15.247(a)(1)	20dB Bandwidth	NA	Pass	-
3.5	15.247(b)(1)	Peak Output Power	≤ 1 w for 1Mbps ≤ 125 Mw for 2, 3Mbps	Pass	-
3.6	15.247(d)	Conducted Band Edges	≤ 20dBc	Pass	-
3.7 15.247(d) Conducted Spurious Emission		≤ 20dBc	Pass	-	
3.8	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 6.3 dB at 89.590 MHz
3.9	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 7.58 dB at 0.370 MHz
3.10	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-

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1 General Description

1.1 Applicant

CT Asia

Unit 01, 15/F, Seaview Centre, 139-141 Hoi bun road, Kwun Tong, Kowloon, Hongkong

1.2 Manufacturer

Ragentek Technology Group

Building D10-D11, No. 58-60, Lane 3188, Xiupu Road, PuDong District, Shanghai, PRC

1.3 Feature of Equipment Under Test

Product Feature				
Equipment	Mobile phone			
Brand Name	BLU			
Model Name	Dash 4.5			
Marketing Name	Dash 4.5			
FCC ID	YHLBLUDASH45			
EUT supports Radios application	GSM/GPRS/WCDMA/HSPA/HSPA+/ WLAN 11bgn/Bluetooth/Bluetooth v4.0 - LE			
HW Version	V1.2			
SW Version	BLU-D310-V05-GENERIC			
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.

1.4 Product Specification of Equipment Under Test

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 BDR (1Mbps) : 7.35 dBm (0.0054 W) Bluetooth EDR (2Mbps) : 7.00 dBm (0.0050 W) Bluetooth EDR (3Mbps) : 7.28 dBm (0.0054 W)			
Antenna Type	Monopole Antenna type with gain 0 dBi			
Type of Modulation	Bluetooth BR (1Mbps): GFSK Bluetooth EDR (2Mbps): π /4-DQPSK Bluetooth EDR (3Mbps): 8-DPSK Bluetooth 3.0 BR (1Mbps): GFSK Bluetooth 3.0 EDR (2Mbps): π /4-DQPSK Bluetooth 3.0 EDR (3Mbps): 8-DPSK			

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1.5 Testing Site

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

Report No.: FR342511A

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.			
Test Site Location	G.	rd floor of south, Shahe River west, Fengzeyuan warehous nzhen, Guangdong, P.R.C. 398		
Test Site No.	Sporton S	ite No.	FCC/IC Registration No.	
rest Site No.	TH01-SZ	CO01-SZ	831040/4086F-1	

The test site complies with ANSI C63.4 2003 requirement.

1.6 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 C63.10-2009

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.

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2 Test Configuration of Equipment Under Test

2.1 Descriptions of Test Mode

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

		В	luetooth RF Output Pow	er	
Channal	F			Data Rate / Modulation	
Channel	Frequency	GFSK	π/4-DQPSK	8-DPSK	
		1Mbps	2Mbps	3Mbps	
Ch00	2402MHz	5.56 dBm	5.23 dBm	5.55 dBm	
Ch39	2441MHz	7.03 dBm	6.67 dBm	7.02 dBm	
Ch78	2480MHz	7.35 dBm	7.00 dBm	7.28 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 1Mbps for all the test items due to the highest RF output power.
- a. The EUT has been associated with peripherals pursuant to 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, and different data rates were conducted to determine the final configuration (Y plane as worst plane) from all possible combinations, and the worst mode of radiated spurious emissions is Bluetooth 1Mbps mode, and recorded in this report.
- b. AC power line Conducted Emission was tested under maxiumun output power.

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2.2 Test Mode

The following summary table is showing all test modes to demonstrate in compliance with the standard.

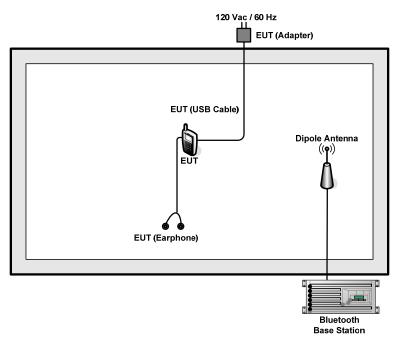
	Summary table of Test Cases					
	Data Rate / Modulation					
Test Item	Bluetooth BR 1Mbps	Bluetooth EDR 2Mbps	Bluetooth EDR 3Mbps			
	GFSK	π/4-DQPSK	8-DPSK			
Conducted	Mode 1: CH00_2402 MHz	Mode 4: CH00_2402 MHz	Mode 7: CH00_2402 MHz			
Test Cases	Mode 2: CH39_2441 MHz	Mode 5: CH39_2441 MHz	Mode 8: CH39_2441 MHz			
Test Cases	Mode 3: CH78_2480 MHz	Mode 6: CH78_2480 MHz	Mode 9: CH78_2480 MHz			
	Bluetooth BR 1Mbps GFSK					
Radiated	Mode 1: CH00_2402 MHz					
Test Cases	Mode 2: CH39_2441 MHz					
	Mode 3: CH78_2480 MHz					
AC	Mode 1 ·GSM850 Idle + Bluetooth Link + WLAN Link + LISB Cable (Charging from					
Conducted	Mode 1 :GSM850 Idle + Bluetooth Link + WLAN Link + USB Cable (Charging from					
Emission	Adapter) + Earphone					
Remark: For	radiated test cases, the worst mode data rate 1Mbps was reported only, because this					
data	a rate has the highest RF output power at preliminary tests, and the conducted					
spu	rious emissions and conducted band edge measurement for each data rate are no					
wor	se than 1Mbps, and no other significantly frequencies found in conducted spurious					
emi	ssion.					

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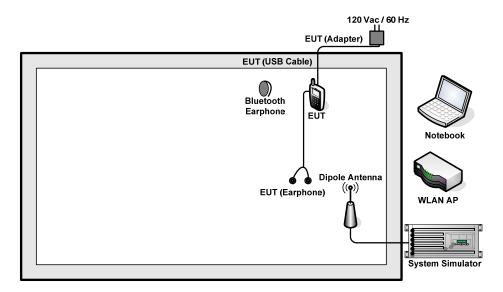


2.3 Connection Diagram of Test System

<Bluetooth Tx Mode>



<AC Conducted Emission Mode>



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2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Agilent	E5515C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Base Station	R&S	СВТ	FCC DoC	N/A	Unshielded, 1.8 m
3.	Bluetooth Base Station	Anritsu	MT8852B	N/A	N/A	Unshielded, 1.8 m
4.	DC Power Supply	TOPWORD	3303DR	N/A	N/A	Unshielded, 1.8 m
5.	WLAN AP	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
6.	Notebook	DELL	P08S	QDS-BRCM1030	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
7.	Bluetooth Earphone	Nokia	BH-106	QTLBH-106	N/A	N/A

2.5 Description of RF Function Operation Test Setup

For Bluetooth function, the engineering test program was provided and enabled to make EUT connect with Bluetooth base station to continuous transmit/receive.

2.6 Measurement Results Explanation Example

For conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and 10dB attenuator between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and 10dB attenuator factor.

Offset = RF cable loss + attenuator factor.

Following table shows an offset computation example with cable loss 5.6 dB.

Example:

 $Offset(dB) = RF \ cable \ loss(dB) + attenuator \ factor(dB).$

= 7.5 + 10 = 17.5 (dB)



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 RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 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 ≥ 1% of the span; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold.
- 6. The number of hopping frequency used is defined as the number of total channel.
- 7. Record the measurement data derived from spectrum analyzer.

3.1.4 Test Setup



3.1.5 Test Result of Number of Hopping Frequency

Test Mode :	1Mbps	Temperature :	24~25 ℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

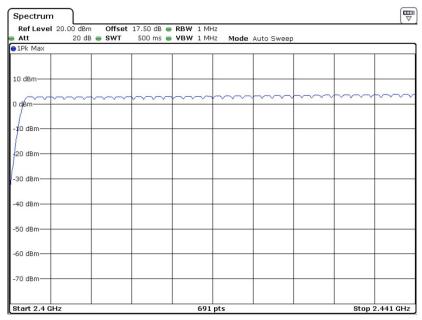
Number of Hopping Adaptive Frequency (Channel) Hopping (Channel)		Limits (Channel)	Pass/Fail
79	>= 20	> 15	Pass

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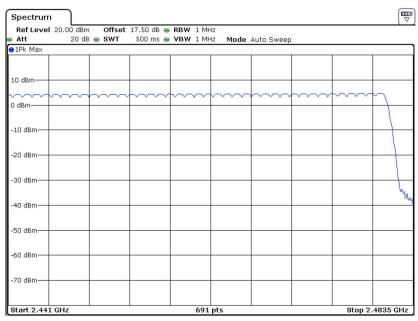
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Number of Hopping Channel Plot on Channel 00 - 78



Date: 6.MAY.2013 10:10:49



Date: 6.MAY.2013 10:17:21

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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.

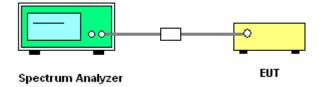
3.2.2 Measuring Instruments

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 RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Enable the EUT hopping function.
- Use the following spectrum analyzer settings:
 Span = wide enough to capture the peaks of two adjacent channels; RBW ≥ 1% of the span;
 VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold.
- 6. Measure and record the results in the test report.

3.2.4 Test Setup



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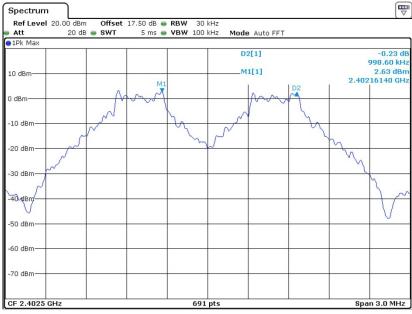


3.2.5 Test Result of Hopping Channel Separation

Test Mode :	1Mbps	Temperature :	24~25 ℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Channel	Frequency (MHz)	Frequency Separation (MHz)	(2/3 of 20dB BW) Limits (MHz)	Pass/Fail
00	2402	0.9986	0.5924	Pass
39	2441	0.9986	0.5924	Pass
78	2480	0.9986	0.5924	Pass

Channel Separation Plot on Channel 00 - 01

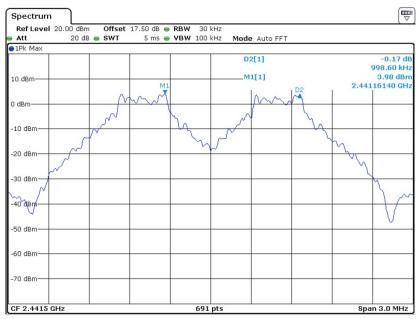


Date: 6.MAY.2013 10:37:54

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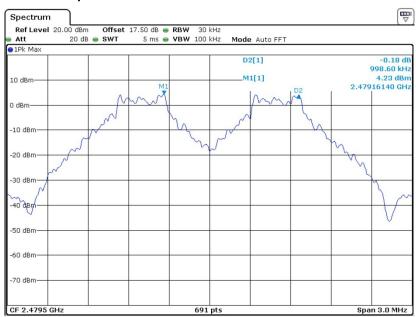


Channel Separation Plot on Channel 39 - 40



Date: 6.MAY.2013 10:43:12

Channel Separation Plot on Channel 77 - 78



Date: 6.MAY.2013 10:44:51

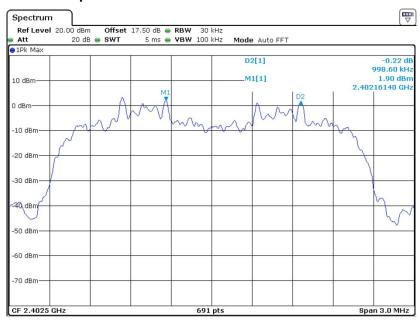
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Test Mode :	2Mbps	Temperature :	24~25℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Channel	Frequency (MHz)	Frequency Separation (MHz)	(2/3 of 20dB BW) Limits (MHz)	Pass/Fail
00	2402	0.9986	0.8297	Pass
39	2441	0.9986	0.8297	Pass
78	2480	0.9986	0.8259	Pass

Channel Separation Plot on Channel 00 - 01



Date: 6.MAY.2013 10:47:14

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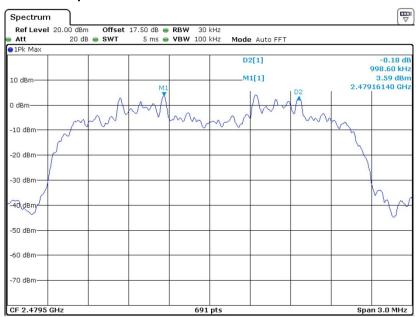


Channel Separation Plot on Channel 39 - 40



Date: 6.MAY.2013 10:48:23

Channel Separation Plot on Channel 77 - 78



Date: 6.MAY.2013 10:49:09

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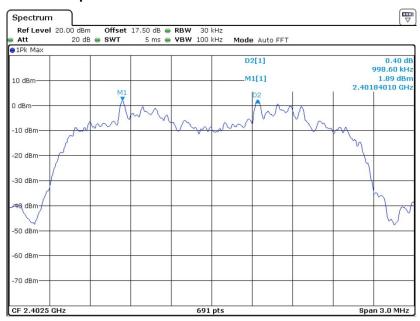
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Test Mode :	3Mbps	Temperature :	24~25℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Channel	Frequency (MHz)	Frequency Separation (MHz)	(2/3 of 20dB BW) Limits (MHz)	Pass/Fail
00	2402	0.9986	0.8104	Pass
39	2441	0.9986	0.8104	Pass
78	2480	0.9986	0.8104	Pass

Channel Separation Plot on Channel 00 - 01



Date: 6.MAY.2013 10:51:28

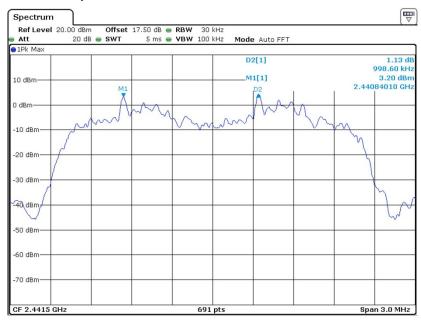
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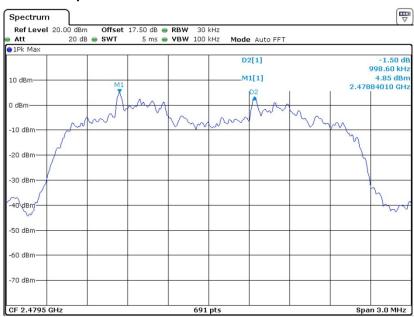


Channel Separation Plot on Channel 39 - 40



Date: 6.MAY.2013 10:50:46

Channel Separation Plot on Channel 77 - 78



Date: 6.MAY.2013 10:50:05

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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.

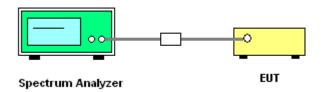
3.3.2 Measuring Instruments

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.
- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
 The path loss was compensated to the results for each measurement.
- 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.
- 6. Measure and record the results in the test report.

3.3.4 Test Setup



3.3.5 Test Result of Dwell Time

Test Mode :	DH5	Temperature :	24~25 ℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Mode	Channel	Hops Over Occupancy Time(hops)	IIMA	Dwell Time (sec)	Limits (sec)	Pass/Fail
Normal	79	106.67	2.8884	0.31	0.4	Pass
AFH	20	53.34	2.8884	0.15	0.4	Pass

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Remark:

- In normal mode, hopping rate is 1600hops/s with 6 slots in 79 hopping channels.
 With channel hopping rate (1600 / 6 / 79) in Occupancy Time Limit (0.4 x 79) (s),
 Hops Over Occupancy Time comes to (1600 / 6 / 79) x (0.4 x 79) = 106.67 hops.
- 2. In AFH mode, hopping rate is 800hops/s with 6 slots in 20 hopping channels. With channel hopping rate (800 / 6 / 20) in Occupancy Time Limit (0.4×20) (s), Hops Over Occupancy Time comes to $(800 / 6 / 20) \times (0.4 \times 20) = 53.34$ hops.
- 3. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

Package Transfer Time Plot ♥ Spectrum Offset 17.50 dB @ RBW 1 MHz Ref Level 20.00 dBm Att 20 dB 🅌 SWT 10 ms 🍙 **VBW** 1 MHz ●1Pk Max D3[1] -1.02 di 3.7580 m 10 dB 6.01 dBn 944.9 μ M1[1] SO dem -60 dBm -70 dBm-CF 2.441 GHz 691 pts 1.0 ms/ Marker Response Function 6.01 dBm Type | Ref | Trc | Stimulus 944.9 µs Function Result 2.8884 ms 3.758 ms 0.34 dB -1.02 dB

Date: 2.MAY.2013 05:35:06

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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 RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- Use the following spectrum analyzer settings for 20dB Bandwidth measurement.
 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.

5. Measure and record the results in the test report.

3.4.4 Test Setup



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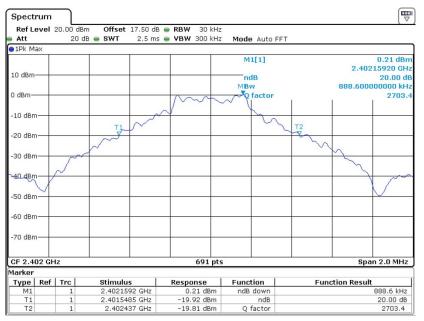
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDASH45 Page Number : 22 of 60
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3.4.5 Test Result of 20dB Bandwidth

Test Mode :	1Mbps	Temperature :	24~25 ℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Channel	Frequency (MHz)	20dB Bandwidth (MHz)
00	2402	0.8886
39	2441	0.8886
78	2480	0.8886

20 dB Bandwidth Plot on Channel 00



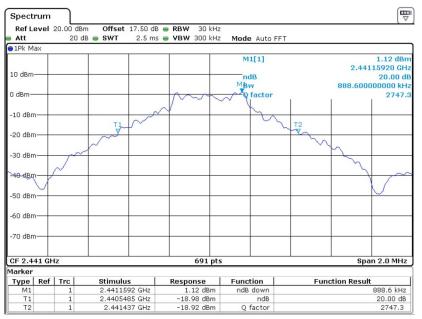
Date: 6.MAY.2013 09:01:42

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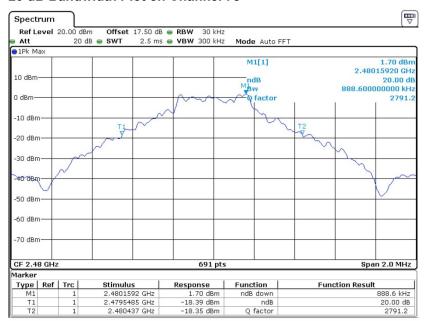


20 dB Bandwidth Plot on Channel 39



Date: 6.MAY.2013 09:02:21

20 dB Bandwidth Plot on Channel 78



Date: 6.MAY.2013 09:02:53

SPORTON INTERNATIONAL (KUNSHAN) INC.

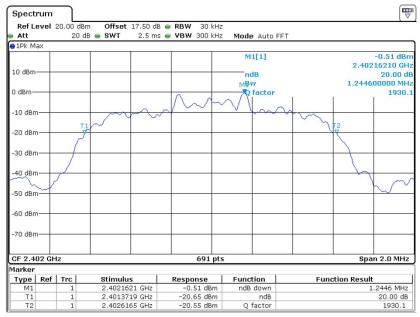
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDASH45 Page Number : 24 of 60
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FCC RF Test Report

Test Mode :	2Mbps	Temperature :	24~25 ℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Channel	Frequency (MHz)	20dB Bandwidth (MHz)
00	2402	1.2446
39	2441	1.2446
78	2480	1.2388

20 dB Bandwidth Plot on Channel 00

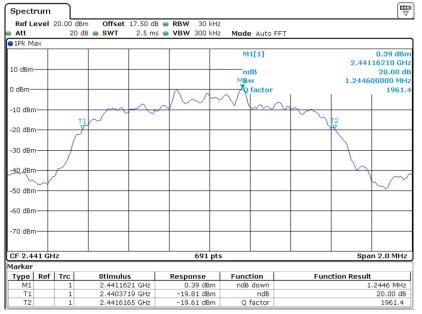


Date: 6.MAY.2013 09:04:39

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDASH45 Page Number : 25 of 60
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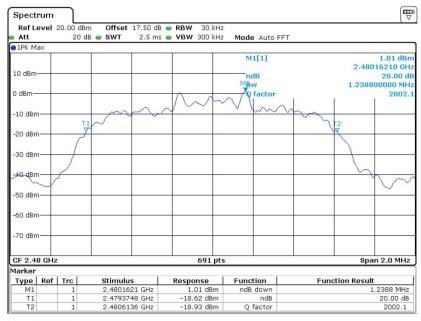


20 dB Bandwidth Plot on Channel 39



Date: 6.MAY.2013 09:04:06

20 dB Bandwidth Plot on Channel 78



Date: 6.MAY.2013 09:03:33

SPORTON INTERNATIONAL (KUNSHAN) INC.

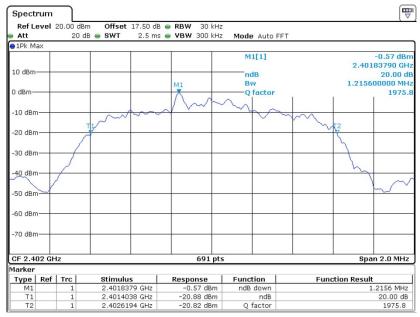
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDASH45 Page Number : 26 of 60 Report Issued Date: Jul. 01, 2013 : Rev. 01 Report Version

FCC RF Test Report

Test Mode :	3Mbps	Temperature :	24~25 ℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Channel Frequency (MHz)		20dB Bandwidth (MHz)	
00	2402	1.2156	
39	2441	1.2156	
78	2480	1.2156	

20 dB Bandwidth Plot on Channel 00

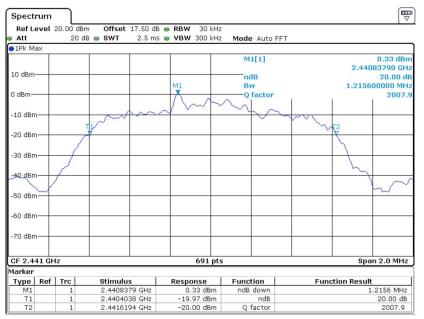


Date: 6.MAY.2013 09:05:53

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDASH45 Page Number : 27 of 60
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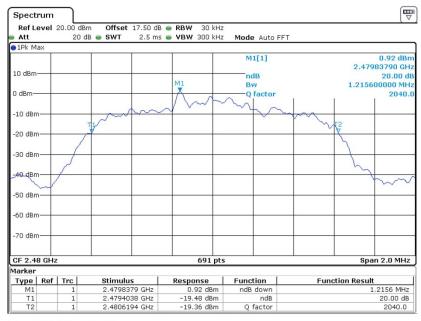


20 dB Bandwidth Plot on Channel 39



Date: 6.MAY.2013 09:05:25

20 dB Bandwidth Plot on Channel 78



Date: 6.MAY.2013 09:06:15

SPORTON INTERNATIONAL (KUNSHAN) INC.

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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 and AFH are 0.125 watts.

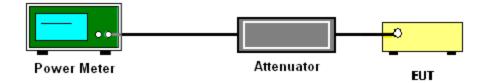
3.5.2 **Measuring Instruments**

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 power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Measure the conducted output power with cable loss and record the results in the test report.
- 5. Measure and record the results in the test report.

3.5.4 **Test Setup**



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3.5.5 Test Result of Peak Output Power

Test Mode :	1Mbps	Temperature :	24~25 ℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Channel	Francis nov	RF Power (dBm)			
	Frequency (MHz)	GFSK	Max. Limits	Doog/Egil	
		1 Mbps	(dBm)	Pass/Fail	
00	2402	5.56	30.00	Pass	
39	2441	7.03	30.00	Pass	
78	2480	7.35	30.00	Pass	

Test Mode :	2Mbps	Temperature :	24~25 ℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Channel	Eroguenev	RF Power (dBm)			
	Frequency	π/4-DQPSK	Max. Limits	Doog/Egil	
(MHz)		2 Mbps	(dBm)	Pass/Fail	
00	2402	5.23	20.97	Pass	
39	2441	6.67	20.97	Pass	
78	2480	7.00	20.97	Pass	

Test Mode :	3Mbps	Temperature :	24~25 ℃
Test Engineer :	Fly Chen	Relative Humidity :	50~53%

Channel	Eroguanov	RF Power (dBm)			
	Frequency (MHz)	8-DPSK	Max. Limits	Pass/Fail	
		3 Mbps	(dBm)	Pass/Faii	
00	2402	5.55	20.97	Pass	
39	2441	7.02	20.97	Pass	
78	2480	7.28	20.97	Pass	

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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.

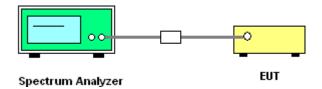
3.6.2 Measuring Instruments

See list of measuring instruments of this test report.

3.6.3 Test Procedures

- 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 (≥ 1% span=30MHz), VBW = 300kHz (≥ 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. Measure and record the results in the test report.

3.6.4 Test Setup



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