

# FCC Test Report

Product Name : Dark Knight Double 450Mbps Dual N Band Router  
Model No. : RT-N66U, RT-N66R  
FCC ID. : MSQ-RTN66U

Applicant : ASUSTeK COMPUTER INC.

Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt : 2014/01/22

Issued Date : 2014/02/10

Report No. : 1410436R-RFUSP42V01

Report Version : V1.0



The test results relate only to the samples tested.

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# Test Report Certification

Issued Date : 2014/02/10

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Product Name : Dark Knight Double 450Mbps Dual N Band Router  
 Applicant : ASUSTeK COMPUTER INC.  
 Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan  
 Manufacturer : Askey Technology (Jiangsu) LTD.  
 Model No. : RT-N66U, RT-N66R  
 FCC ID. : MSQ-RTN66U  
 EUT Voltage : AC 100-240V, 50-60Hz  
 Trade Name : ASUS  
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247:2011  
 ANSI C63.4: 2009  
 Test Result : Complied

The test results relate only to the samples tested.

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Documented By :

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( Roy Wang / Director )

**Laboratory Information**

We, **Quietek Corporation**, are an independent RF consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025 specified testing scopes:

<b>Taiwan R.O.C.</b>	<b>:</b>	<b>TAF, Accreditation Number: 1313</b>
<b>USA</b>	<b>:</b>	<b>FCC, Registration Number: 365520</b>
<b>Canada</b>	<b>:</b>	<b>IC, Submission No: 150981</b>

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site:<http://www.quietek.com/tw/ctg/cts/accreditations.htm>

The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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## 1. General Information

### 1.1. EUT Description

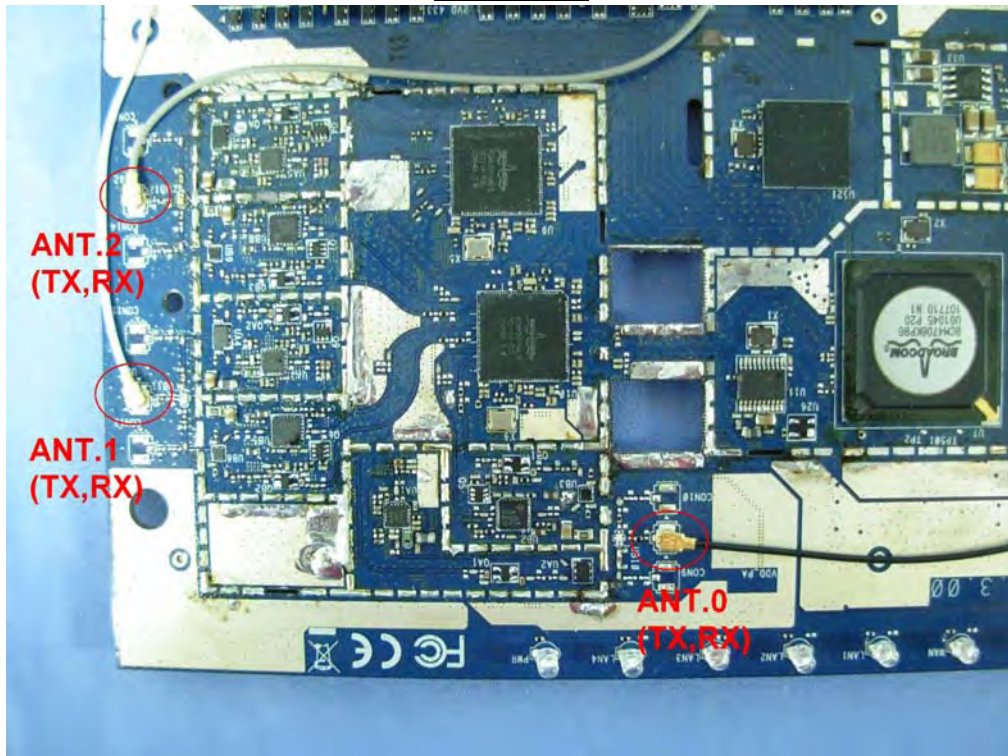
Product Name	Dark Knight Double 450Mbps Dual N Band Router
Product Type	WLAN(3TX,3RX)
Trade Name	ASUS
Model No.	RT-N66U, RT-N66R
Frequency Range -IEEE 802.11b/g & IEEE 802.11n (20MHz) _2.4GHz	2412~2462MHz / 11 Channels
Frequency Range/Channel Number -IEEE 802.11n (40MHz) _2.4GHz	2422~2452MHz / 7 Channels
Frequency Range/Channel Number -IEEE 802.11a & IEEE 802.11n (20MHz) _5.8GHz	5745~5825MHz / 5 Channels
Frequency Range/Channel Number -IEEE 802.11n (40MHz) _5.8GHz	5755~5795MHz / 2 Channels
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11a/g/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11a/g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 23 and bandwidth defined in 802.11n
Antenna Gain	2dBi (2.4G) 2dBi (5G)
Antenna Type	Dipole

Component	
Antenna	ARISTOTLE / RFA-25-C35-M10, 3 PCS
Antenna	MAG. LAYERS / EDA-1410-25GR2-A1, 3 PCS
LAN Cable	Non-Shielded, 1.5m
Power Adatper	ASUS, EXA1004UH I/P : AC 100-240V, 50-60Hz 1A O/P : +19V $\overline{=}$ 1.58A Cable Out: Non-shielded, 2.5m, one ferrite core bonded.
Power Adatper	ASUS, AD82030 I/P : AC 100-240V, 50-60Hz 0.8A O/P : +19V $\overline{=}$ 1.58A Cable Out: Non-Shielded, 2.5m, one ferrite core bonded.

ANT-TX / Rx & Bandwidth

ANT-TX / RX	TX		RX	
	20MHz	40MHz	20MHz	40MHz
IEEE802.11a	✓		✓	
IEEE802.11b	✓		✓	
IEEE802.11g	✓		✓	
IEEE802.11n	✓	✓	✓	✓

**(3TX / 3RX)**





IEEE 802.11n

MCS Index	Modulation	R	N <sub>BPSCS</sub>	N <sub>CBPS</sub>		N <sub>DBPS</sub>		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
0	BPSK	1/2	1	52	108	26	54	6.5	13.5	7.2	15.0
1	QPSK	1/2	2	104	216	52	108	13.0	27.0	14.4	30.0
2	QPSK	3/4	2	104	216	78	162	19.5	40.5	21.7	45.0
3	16-QAM	1/2	4	208	432	104	216	26.0	54.0	28.9	60.0
4	16-QAM	3/4	4	208	432	156	324	39.0	81.0	43.3	90.0
5	64-QAM	2/3	6	312	648	208	432	52.0	108.0	57.8	120.0
6	64-QAM	3/4	6	312	648	234	486	58.5	121.5	65.0	135.0
7	64-QAM	5/6	6	312	648	260	540	65.0	135.0	72.2	150.0

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 1 – MCS parameters for TX Antenna number = 1

MCS Index	Modulation	R	N <sub>BPSCS</sub>	N <sub>CBPS</sub>		N <sub>DBPS</sub>		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
8	BPSK	1/2	1	104	216	52	108	13.0	27.0	14.4	30.0
9	QPSK	1/2	2	208	432	104	216	26.0	54.0	28.9	60.0
10	QPSK	3/4	2	208	432	156	324	39.0	81.0	43.3	90.0
11	16-QAM	1/2	4	416	864	208	432	52.0	108.0	57.8	120.0
12	16-QAM	3/4	4	416	864	312	648	78.0	162.0	86.7	180.0
13	64-QAM	2/3	6	624	1296	416	864	104.0	216.0	115.6	240.0
14	64-QAM	3/4	6	624	1296	468	972	117.0	243.0	130.0	270.0
15	64-QAM	5/6	6	624	1296	520	1080	130.0	270.0	144.4	300.0

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 2 – MCS parameters for TX Antenna number = 2

MCS Index	Modulation	R	N <sub>BPSCS</sub>	N <sub>CBPS</sub>		N <sub>DBPS</sub>		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								20MHz	40MHz	20MHz	40MHz
16	BPSK	1/2	1	156	324	78	162	19.5	40.5	21.7	45.0
17	QPSK	1/2	2	312	648	156	324	39.0	81.0	43.3	90.0
18	QPSK	3/4	2	312	648	234	486	58.5	121.5	65.0	135.0
19	16-QAM	1/2	4	624	1296	312	648	78.0	162.0	86.7	180.0
20	16-QAM	3/4	4	624	1296	468	972	117.0	243.0	130.0	270.0
21	64-QAM	2/3	6	936	1944	624	1296	156.0	324.0	173.3	360.0
22	64-QAM	3/4	6	936	1944	702	1458	175.5	364.5	195.0	405.0
23	64-QAM	5/6	6	936	1944	780	1620	195.0	405.0	216.7	450.0

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 3 – MCS parameters for TX Antenna number = 3

Symbol	Explanation
R	Code rate
N <sub>BPSC</sub>	Number of coded bits per single carrier
N <sub>CBPS</sub>	Number of coded bits per symbol
N <sub>DBPS</sub>	Number of data bits per symbol
GI	guard interval

## IEEE 802.11b/g &amp; IEEE 802.11n (20MHz) - 2.4GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz		

## IEEE 802.11n (40MHz) - 2.4GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz		

## IEEE 802.11a &amp; IEEE 802.11n (20MHz) - 5.8GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz						

## IEEE 802.11n (40MHz) - 5.8GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz				

Note:

1. This device is a Dark Knight Double 450Mbps Dual N Band Router including 2.4GHz b/g/n and 5GHz a/n (3x3) transmitting and receiving function.
2. The variation of model number is for different strategy of marketing.
3. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
4. Regards to the frequency band operation; the lowest , middle and highest frequency of channel were selected to perform the test, and then shown on this report.
5. The function of the 5.2GHz transmitting is measured and makes a test report of the report number: 1410436R-RFUSP46V01.
6. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 1410436R-RFUSP37V02 under Declaration of Conformity.
7. The different of the each Antenna shown as below:

Antenna Source	Antenna Model	Antenna Gain
ARISTOTLE	RFA-25-C35-M10	2dBi
MAG. LAYERS	EDA-1410-25GR2-A1	2dBi

### 1.3. Test Mode

Quietek has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

TX	Mode 1: Transmit_ASUS, EXA1004UH
	Mode 2: Transmit_ASUS, AD82030

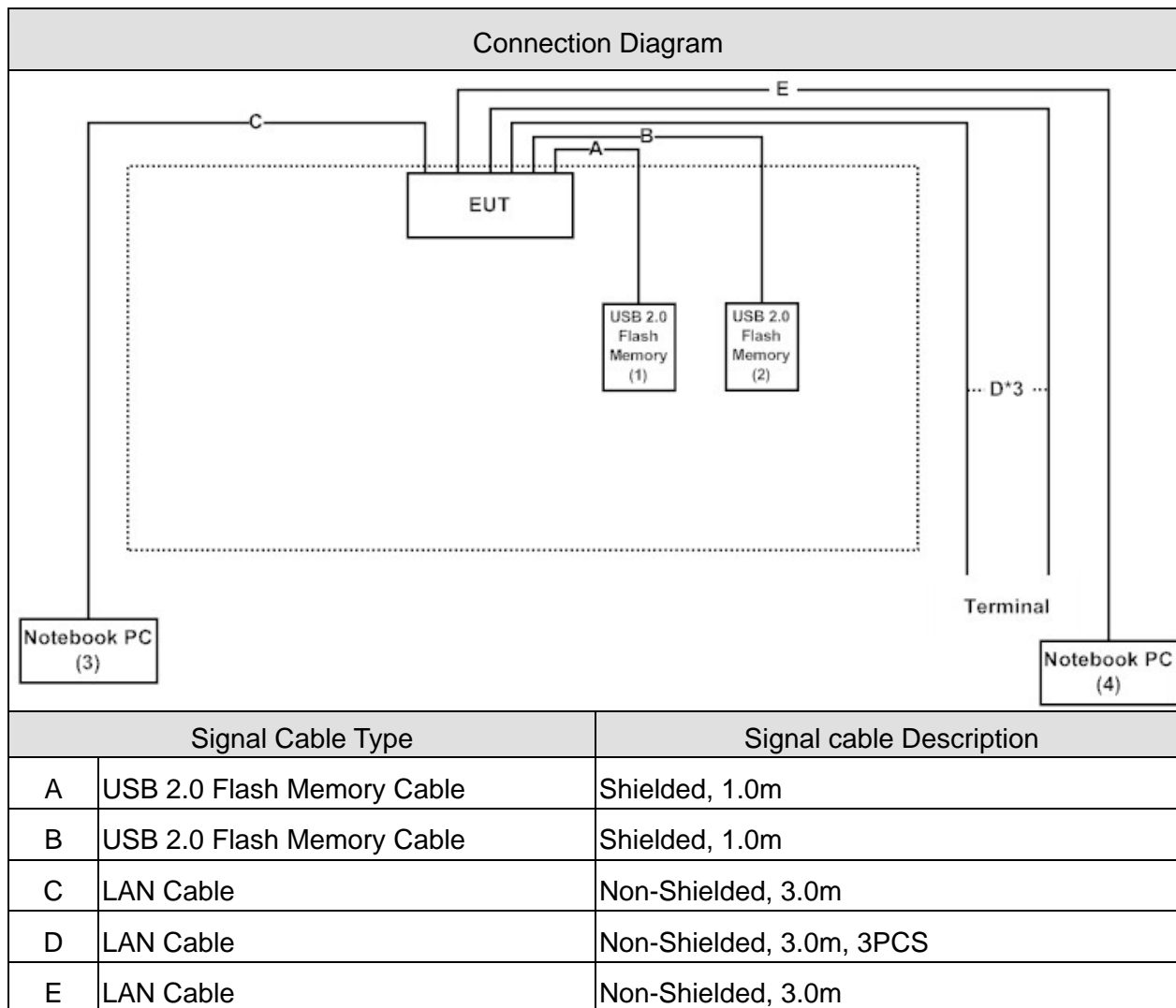
Test Items	Mode	Modulation	Channel	Antenna	Result
Conducted Emission	1	11n(40MHz)	6/ 151	0+1+2	Complies
Peak Power Output	1	a	149/ 157/ 165	0	Complies
	1	b/g	1/ 6/ 11	0	Complies
	1	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	1	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies
Radiated Emission	1/2	a	149/ 157/ 165	0	Complies
	1/2	b/g	1/ 6/ 11	0	Complies
	1/2	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	1/2	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies
RF antenna conducted test	1	a	149/ 165	0	Complies
	1	b/g	1/ 11	0	Complies
	1	11n(20MHz)	1/ 11/ 149/ 165	0+1+2	Complies
	1	11n(40MHz)	3/ 9/ 151/ 159	0+1+2	Complies
Radiated Emission Band Edge	1	b/g	1/ 11	0	Complies
	1	11n(20MHz)	1/ 11	0+1+2	Complies
	1	11n(40MHz)	3/ 9	0+1+2	Complies
Occupied Bandwidth	1	a	149/ 157/ 165	0	Complies
	1	b/g	1/ 6/ 11	0	Complies
	1	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	1	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies
Power Density	1	a	149/ 157/ 165	0	Complies
	1	b/g	1/ 6/ 11	0	Complies
	1	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	1	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies

**1.4. Tested System Details**

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1 USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--
2 USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--
3 Notebook PC	DELL	PP37L	CD8BNG1	DoC	Non-Shielded, 1.8m
4 Notebook PC	HP Compaq	NX6320FF	CNU7020BXT	DoC	Non-Shielded, 1.8m

1.5. Configuration of tested System



1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the MFG Control Panel Ver 1.4.0.0 on the EUT.
3	Configure the test mode, the test channel, and the data rate.
4	Press "Start TX" to start the continuous transmitting.
5	Verify that the EUT works properly.

## 1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (DSSS)	15 - 35	20
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test (DSSS)	15 - 35	20
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	48
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	20
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	20
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000



**2. Conducted Emission**

**2.1. Test Equipment**

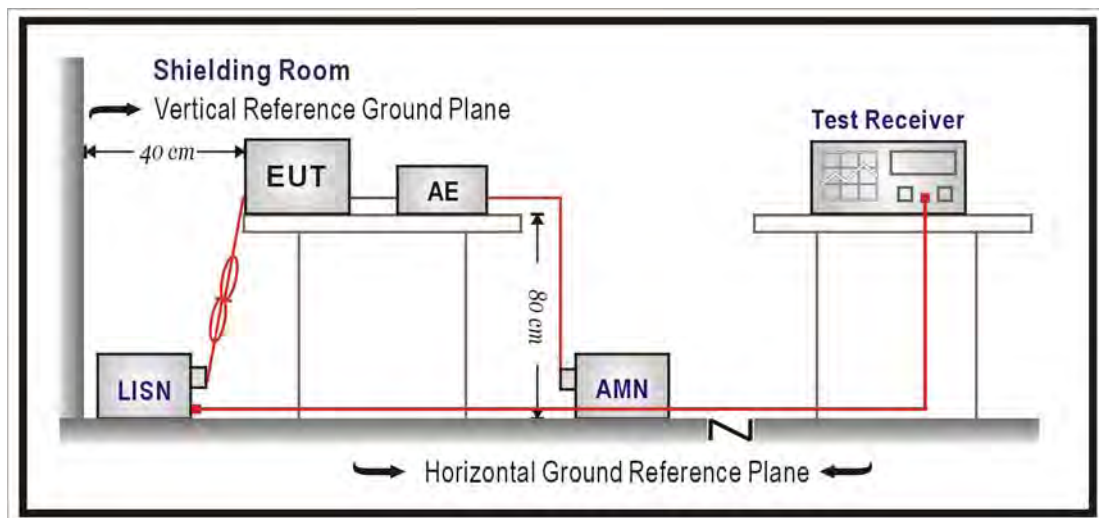
The following test equipments are used during the test:

**Conducted Emission / SR3**

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2012/09/20
LISN	R&S	ESH3-Z5	836679/022	2012/02/10
Test Receiver	R&S	ESCS 30	825442/017	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

**2.2. Test Setup**



**2.3. Limits**

<b>FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)</b>		
Frequency MHz	QP	AV
0.15 - 0.50	66-56	56-46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

**2.4. Test Procedure**

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

**2.5. Test Specification**

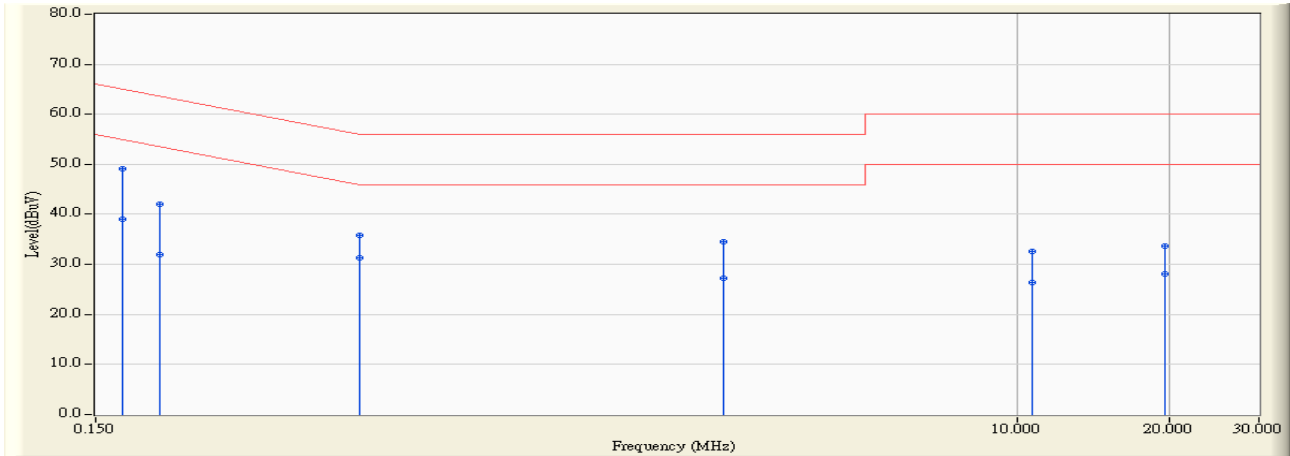
According to FCC Part 15 Subpart C Paragraph 15.207: 2011

**2.6. Uncertainty**

The measurement uncertainty is defined as  $\pm 2.26$  dB.

2.7. Test Result

Site : SR3	Time : 2011/11/12 - 13:38
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line1	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(40M)

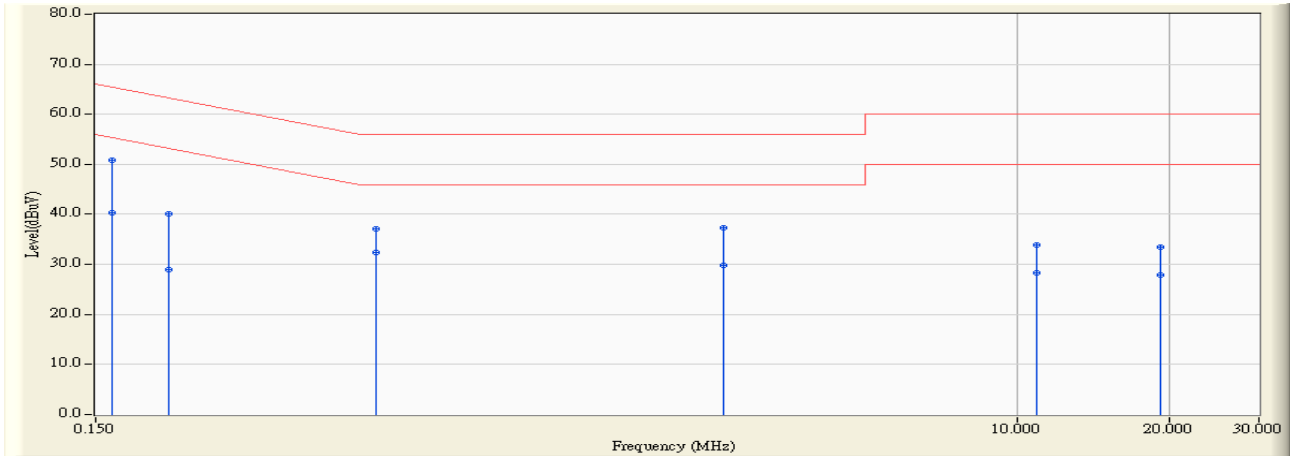


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.170	9.656	39.540	49.196	-15.788	64.983	QUASPEAK
2	0.170	9.656	29.290	38.946	-16.038	54.983	AVERAGE
3	0.201	9.658	32.310	41.968	-21.610	63.578	QUASPEAK
4	0.201	9.658	22.370	32.028	-21.550	53.578	AVERAGE
5	0.498	9.701	26.220	35.921	-20.118	56.039	QUASPEAK
6	* 0.498	9.701	21.640	31.341	-14.698	46.039	AVERAGE
7	2.623	9.956	24.540	34.496	-21.504	56.000	QUASPEAK
8	2.623	9.956	17.220	27.176	-18.824	46.000	AVERAGE
9	10.709	10.149	22.450	32.598	-27.402	60.000	QUASPEAK
10	10.709	10.149	16.320	26.468	-23.532	50.000	AVERAGE
11	19.572	10.297	23.280	33.577	-26.423	60.000	QUASPEAK
12	19.572	10.297	17.850	28.147	-21.853	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR3	Time : 2011/11/12 - 13:40
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line2	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(40M)

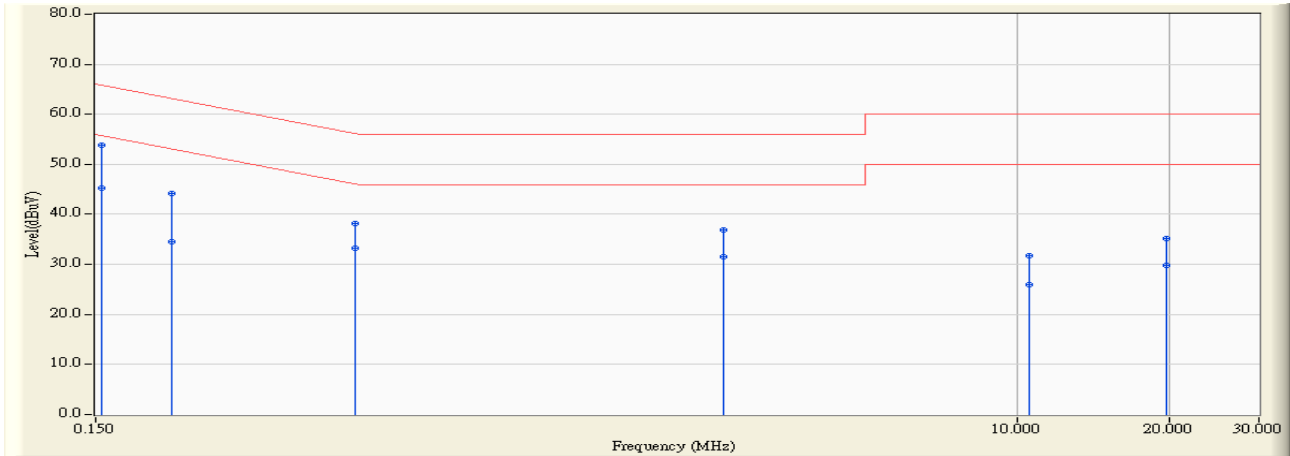


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.162	9.666	41.250	50.915	-14.460	65.375	QUASPEAK
2	0.162	9.666	30.600	40.265	-15.110	55.375	AVERAGE
3	0.209	9.668	30.350	40.019	-23.243	63.261	QUASPEAK
4	0.209	9.668	19.230	28.899	-24.363	53.261	AVERAGE
5	0.537	9.715	27.330	37.045	-18.955	56.000	QUASPEAK
6	*	9.715	22.650	32.365	-13.635	46.000	AVERAGE
7	2.619	9.962	27.290	37.252	-18.748	56.000	QUASPEAK
8	2.619	9.962	19.840	29.802	-16.198	46.000	AVERAGE
9	10.920	10.223	23.560	33.783	-26.217	60.000	QUASPEAK
10	10.920	10.223	18.000	28.223	-21.777	50.000	AVERAGE
11	19.107	10.485	22.920	33.405	-26.595	60.000	QUASPEAK
12	19.107	10.485	17.320	27.805	-22.195	50.000	AVERAGE

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR3	Time : 2011/11/12 - 13:07
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line1	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5755MHz,802.11n(40M)

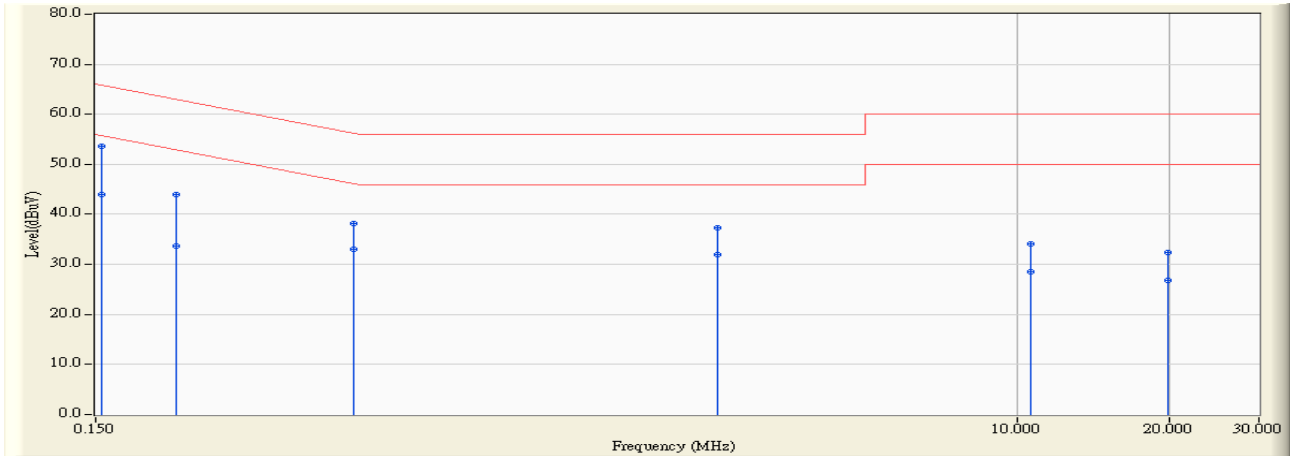


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.154	9.655	44.260	53.915	-11.872	65.786	QUASPEAK
2	* 0.154	9.655	35.510	45.165	-10.622	55.786	AVERAGE
3	0.212	9.659	34.600	44.259	-18.848	63.107	QUASPEAK
4	0.212	9.659	24.920	34.579	-18.528	53.107	AVERAGE
5	0.490	9.700	28.540	38.240	-17.931	56.170	QUASPEAK
6	0.490	9.700	23.650	33.350	-12.821	46.170	AVERAGE
7	2.619	9.956	26.990	36.946	-19.054	56.000	QUASPEAK
8	2.619	9.956	21.640	31.596	-14.404	46.000	AVERAGE
9	10.529	10.144	21.630	31.774	-28.226	60.000	QUASPEAK
10	10.529	10.144	15.900	26.044	-23.956	50.000	AVERAGE
11	19.709	10.298	24.970	35.268	-24.732	60.000	QUASPEAK
12	19.709	10.298	19.540	29.838	-20.162	50.000	AVERAGE

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR3	Time : 2011/11/12 - 13:10
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-1_0907 - Line2	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5755MHz,802.11n(40M)

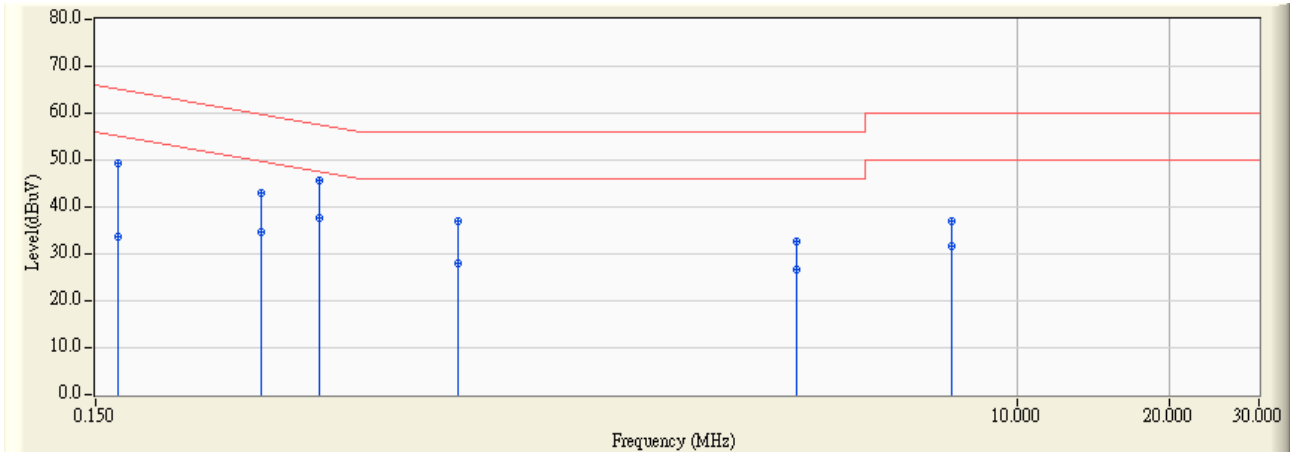


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.154	9.665	43.850	53.515	-12.272	65.786	QUASIPeAK
2	* 0.154	9.665	34.250	43.915	-11.872	55.786	AVERAGE
3	0.216	9.669	34.380	44.049	-18.906	62.956	QUASIPeAK
4	0.216	9.669	23.960	33.629	-19.326	52.956	AVERAGE
5	0.486	9.708	28.500	38.208	-18.029	56.237	QUASIPeAK
6	0.486	9.708	23.340	33.048	-13.189	46.237	AVERAGE
7	2.548	9.958	27.400	37.358	-18.642	56.000	QUASIPeAK
8	2.548	9.958	21.990	31.948	-14.052	46.000	AVERAGE
9	10.646	10.213	23.990	34.203	-25.797	60.000	QUASIPeAK
10	10.646	10.213	18.290	28.503	-21.497	50.000	AVERAGE
11	19.834	10.506	21.890	32.395	-27.605	60.000	QUASIPeAK
12	19.834	10.506	16.220	26.725	-23.275	50.000	AVERAGE

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR2	Time : 2012/01/03 - 21:37
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2_LISN(16A)-1_0831 - Line1	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-2437MHz,802.11n(40M)

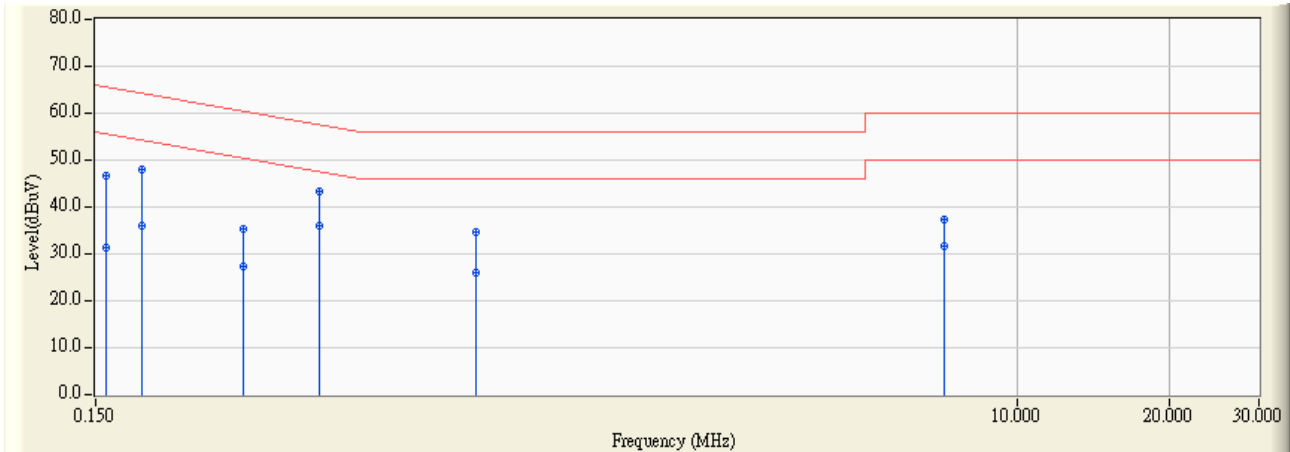


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.166	9.631	39.780	49.411	-15.766	65.177	QUASPEAK
2	0.166	9.631	24.180	33.811	-21.366	55.177	AVERAGE
3	0.318	9.640	33.400	43.040	-16.720	59.760	QUASPEAK
4	0.318	9.640	24.940	34.580	-15.180	49.760	AVERAGE
5	0.416	9.645	35.900	45.545	-11.990	57.535	QUASPEAK
6	*	9.645	27.970	37.615	-9.920	47.535	AVERAGE
7	0.783	9.690	27.330	37.020	-18.980	56.000	QUASPEAK
8	0.783	9.690	18.470	28.160	-17.840	46.000	AVERAGE
9	3.658	9.819	22.770	32.589	-23.411	56.000	QUASPEAK
10	3.658	9.819	16.860	26.679	-19.321	46.000	AVERAGE
11	7.408	9.868	27.270	37.138	-22.862	60.000	QUASPEAK
12	7.408	9.868	21.830	31.698	-18.302	50.000	AVERAGE

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR2	Time : 2012/01/03 - 21:40
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2_LISN(16A)-1_0831 - Line2	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-2437MHz,802.11n(40M)



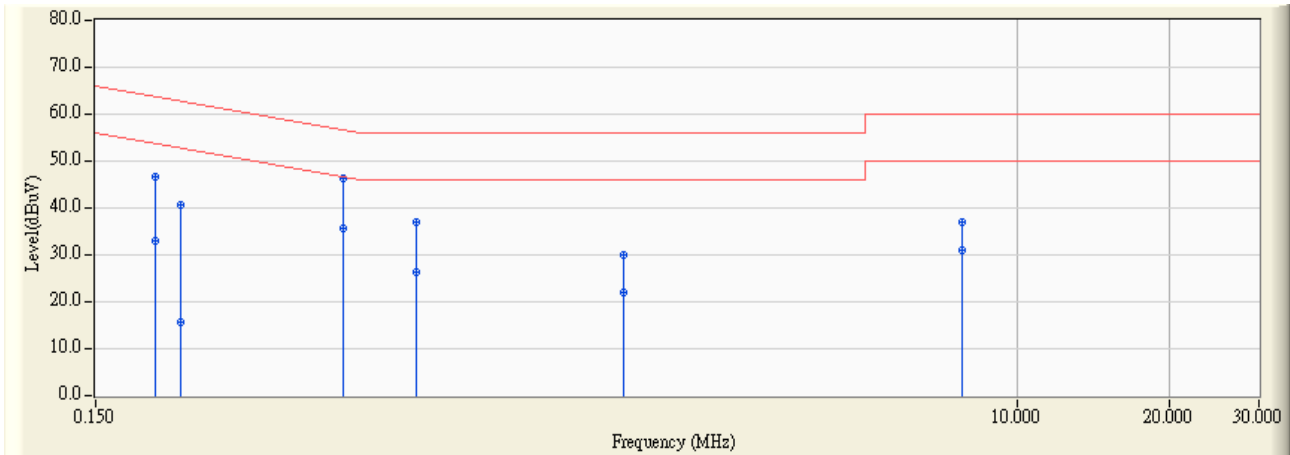
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.158	9.640	36.970	46.610	-18.968	65.578	QUASPEAK
2	0.158	9.640	21.620	31.260	-24.318	55.578	AVERAGE
3	0.185	9.642	38.390	48.032	-16.219	64.251	QUASPEAK
4	0.185	9.642	26.270	35.912	-18.339	54.251	AVERAGE
5	0.295	9.648	25.530	35.178	-25.217	60.396	QUASPEAK
6	0.295	9.648	17.600	27.248	-23.147	50.396	AVERAGE
7	0.416	9.655	33.660	43.315	-14.220	57.535	QUASPEAK
8	*	9.655	26.400	36.055	-11.480	47.535	AVERAGE
9	0.849	9.702	25.040	34.742	-21.258	56.000	QUASPEAK
10	0.849	9.702	16.420	26.122	-19.878	46.000	AVERAGE
11	7.162	9.887	27.460	37.347	-22.653	60.000	QUASPEAK
12	7.162	9.887	21.910	31.797	-18.203	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Site : SR2	Time : 2012/01/03 - 21:24
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2_LISN(16A)-1_0831 - Line1	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-5755MHz,802.11n(40M)

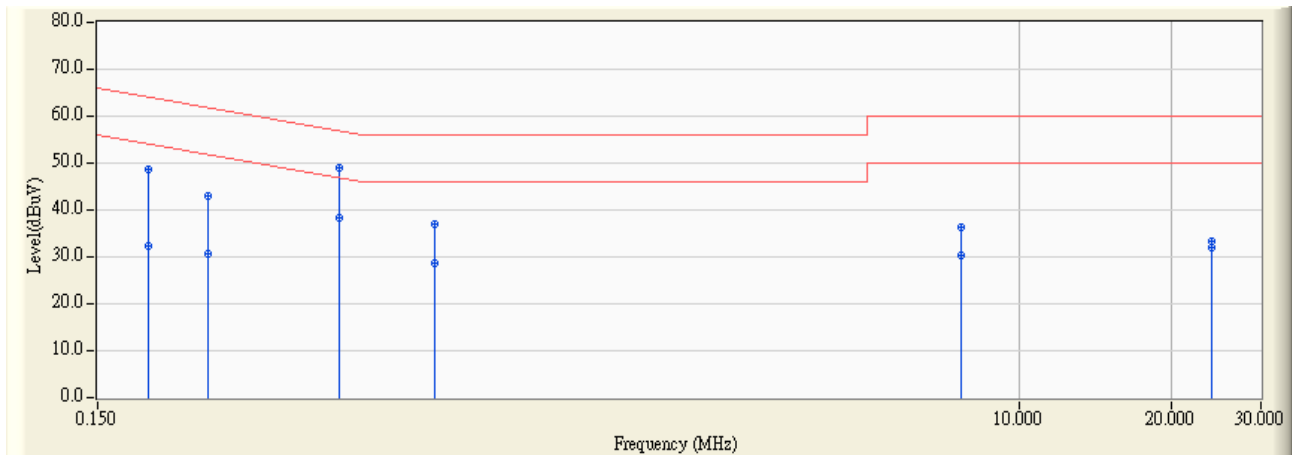


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.197	9.633	37.080	46.713	-17.029	63.741	QUASPEAK
2	0.197	9.633	23.270	32.903	-20.839	53.741	AVERAGE
3	0.220	9.634	31.000	40.634	-22.173	62.807	QUASPEAK
4	0.220	9.634	6.160	15.794	-37.013	52.807	AVERAGE
5	* 0.463	9.649	36.820	46.469	-10.179	56.648	QUASPEAK
6	0.463	9.649	25.920	35.569	-11.079	46.648	AVERAGE
7	0.646	9.671	27.490	37.162	-18.838	56.000	QUASPEAK
8	0.646	9.671	16.700	26.372	-19.628	46.000	AVERAGE
9	1.666	9.760	20.170	29.930	-26.070	56.000	QUASPEAK
10	1.666	9.760	12.360	22.120	-23.880	46.000	AVERAGE
11	7.787	9.872	27.110	36.982	-23.018	60.000	QUASPEAK
12	7.787	9.872	21.140	31.012	-18.988	50.000	AVERAGE

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : SR2	Time : 2012/01/03 - 21:27
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2_LISN(16A)-1_0831 - Line2	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-5755MHz,802.11n(40M)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.189	9.642	39.060	48.702	-15.376	64.078	QUASPEAK
2	0.189	9.642	22.700	32.342	-21.736	54.078	AVERAGE
3	0.248	9.646	33.380	43.026	-18.810	61.835	QUASPEAK
4	0.248	9.646	21.160	30.806	-21.030	51.835	AVERAGE
5	*	9.657	39.430	49.087	-7.774	56.861	QUASPEAK
6	0.451	9.657	28.830	38.487	-8.374	46.861	AVERAGE
7	0.697	9.684	27.340	37.024	-18.976	56.000	QUASPEAK
8	0.697	9.684	18.840	28.524	-17.476	46.000	AVERAGE
9	7.677	9.895	26.550	36.445	-23.555	60.000	QUASPEAK
10	7.677	9.895	20.350	30.245	-19.755	50.000	AVERAGE
11	24.052	10.464	22.830	33.295	-26.705	60.000	QUASPEAK
12	24.052	10.464	21.490	31.955	-18.045	50.000	AVERAGE

**Note:**

1. All Reading Levels are Quasi-Peak and average value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

**3. Peak Power Output**

**3.1. Test Equipment**

The following test equipments are used during the test:

**Peak Power Output / SR7 (802.11n 40MHz)**

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Power Meter	Agilent	N1911A	MY45101353	2014/11/19
Power Sensor	Agilent	N1921A	MY45241670	2014/11/19

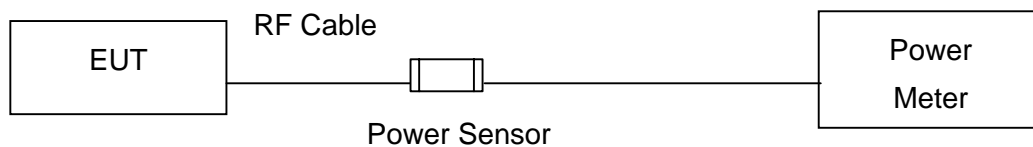
**Peak Power Output / SR7 (Other)**

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Power Meter	Agilent	N1911A	MY45101353	2012/01/04
Power Sensor	Agilent	N1921A	MY45241670	2012/01/04

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

**3.2. Test Setup**

IEEE 802.11 b / g / n ( 20M / 40M ) MODE



**3.3. Test procedures**

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

**3.4. Limits**

The maximum peak power shall be less 1 Watt.

**3.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

**3.6. Uncertainty**

The measurement uncertainty is defined as  $\pm 1.27$  dB.

**3.7. Test Result**

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/07	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.01	1Watt= 30 dBm	Pass
6	2437	24.74	1Watt= 30 dBm	Pass
11	2462	22.13	1Watt= 30 dBm	Pass

The worst emission of data rate is 1Mbps.

Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412.00	24.01	--	--	-	30 dBm
6	2437.00	24.74	24.69	24.65	24.61	30 dBm
11	2462.00	22.13	--	--	-	30 dBm

Note: Measure Level =Reading value + cable loss

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/07	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	26.27	1Watt= 30 dBm	Pass
6	2437	26.28	1Watt= 30 dBm	Pass
11	2462	26.09	1Watt= 30 dBm	Pass

The worst emission of data rate is 6Mbps.

Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412.00	26.27	--	--	-	--	--	-	30 dBm
6	2437.00	26.28	26.24	26.21	26.19	26.15	26.12	26.08	30 dBm
11	2462.00	26.09	--	--	-	--	--	-	30 dBm

Note: Measure Level =Reading value + cable loss

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/07	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.55	1Watt= 30 dBm	Pass
6	2437	25.02	1Watt= 30 dBm	Pass
11	2462	24.79	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	24.55	--	--	-	--	--	-	--	30dBm
6	2437	25.02	24.91	24.84	24.83	24.81	24.79	24.78	24.67	30dBm
11	2462	24.79	--	--	-	--	--	-	--	30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/07	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	25.56	1Watt= 30 dBm	Pass
6	2437	25.12	1Watt= 30 dBm	Pass
11	2462	23.87	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	25.56	--	--	-	--	--	-	--	30dBm
6	2437	25.12	25.05	24.98	24.95	24.94	24.90	24.86	24.82	30dBm
11	2462	23.87	--	--	-	--	--	-	--	30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/07	Test Site	SR7

IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	25.49	1Watt= 30 dBm	Pass
6	2437	24.91	1Watt= 30 dBm	Pass
11	2462	22.61	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	25.49	--	--	-	--	--	-	--	30dBm
6	2437	24.91	24.89	24.86	24.83	24.80	24.75	24.73	24.71	30dBm
11	2462	22.61	--	--	-	--	--	-	--	30dBm



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/07	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	29.99	1Watt= 30 dBm	Pass
6	2437	29.79	1Watt= 30 dBm	Pass
11	2462	28.62	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	29.99	--	--	-	--	--	-	--	30dBm
6	2437	29.79	29.72	29.66	29.64	29.62	29.59	29.56	29.51	30dBm
11	2462	28.62	--	--	-	--	--	-	--	30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2014/02/07	Test Site	SR7

IEEE802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	21.05	≤ 30	Pass
6	2437	24.73	≤ 30	Pass
9	2452	20.39	≤ 30	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	21.05	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	24.73	24.72	24.71	24.69	24.67	24.66	24.65	24.62	1Watt=30dBm
9	2452	20.39	--	--	--	--	--	--	--	1Watt=30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2014/02/07	Test Site	SR7

IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	23.63	≤ 30	Pass
6	2437	23.23	≤ 30	Pass
9	2452	22.33	≤ 30	Pass

The worst emission of data rate is 40.5Mbps

		Peak Power Output (dBm)								Required Limit
MCS Index		16	17	18	19	20	21	22	23	
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	23.63	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	23.23	23.22	23.21	23.20	23.19	23.17	23.16	23.15	1Watt=30dBm
9	2452	22.33	--	--	--	--	--	--	--	1Watt=30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2014/02/07	Test Site	SR7

IEEE802.11n 40MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	23.09	≤ 30	Pass
6	2437	23.21	≤ 30	Pass
9	2452	22.28	≤ 30	Pass

The worst emission of data rate is 40.5Mbps

		Peak Power Output (dBm)								Required Limit
MCS Index		16	17	18	19	20	21	22	23	
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	23.09	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	23.21	23.20	23.18	23.17	23.16	23.14	23.12	23.11	1Watt=30dBm
9	2452	22.28	--	--	--	--	--	--	--	1Watt=30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2014/02/07	Test Site	SR7

IEEE802.11n 40MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	27.50	≤ 30	Pass
6	2437	28.56	≤ 30	Pass
9	2452	26.53	≤ 30	Pass

The worst emission of data rate is 40.5Mbps

		Peak Power Output (dBm)								Required Limit
MCS Index		16	17	18	19	20	21	22	23	
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	27.50	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	28.56	28.55	28.54	28.53	28.51	28.49	28.47	28.46	1Watt=30dBm
9	2452	26.53	--	--	--	--	--	--	--	1Watt=30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/16	Test Site	SR7

IEEE 802.11a				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	27.41	1Watt= 30 dBm	Pass
157	5785	27.43	1Watt= 30 dBm	Pass
165	5825	27.32	1Watt= 30 dBm	Pass

The worst emission of data rate is 6Mbps.

Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
149	5745	27.41	--	--	--	--	--	--	1Watt= 30 dBm
157	5785	27.43	27.39	27.35	27.31	27.28	27.22	27.21	1Watt= 30 dBm
165	5825	27.32	--	--	--	--	--	--	1Watt= 30 dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/16	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.45	1Watt= 30 dBm	Pass
157	5785	24.62	1Watt= 30 dBm	Pass
165	5825	24.43	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	24.45	--	--	--	--	--	--	--	30dBm
157	5785	24.62	24.58	24.55	24.51	24.49	24.42	24.41	24.37	30dBm
165	5825	24.43	--	--	--	--	--	--	--	30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/16	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	23.91	1Watt= 30 dBm	Pass
157	5785	24.08	1Watt= 30 dBm	Pass
165	5825	24.70	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	23.91	--	--	--	--	--	--	--	30dBm
157	5785	24.08	24.01	23.98	23.95	23.91	23.87	23.84	23.81	30dBm
165	5825	24.70	--	--	--	--	--	--	--	30dBm



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/16	Test Site	SR7

IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.14	1Watt= 30 dBm	Pass
157	5785	24.20	1Watt= 30 dBm	Pass
165	5825	24.16	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	24.14	--	--	--	--	--	--	--	30dBm
157	5785	24.20	24.15	24.12	24.08	24.07	24.04	24.01	23.39	30dBm
165	5825	24.16	--	--	--	--	--	--	--	30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/16	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	28.94	1Watt= 30 dBm	Pass
157	5785	29.08	1Watt= 30 dBm	Pass
165	5825	29.21	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	28.94	--	--	--	--	--	--	--	30dBm
157	5785	29.08	29.02	28.99	28.96	28.93	28.89	28.86	28.65	30dBm
165	5825	29.21	--	--	--	--	--	--	--	30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/16	Test Site	SR7

IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	25.21	1Watt= 30 dBm	Pass
159	5795	24.29	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	25.21	25.17	25.13	25.05	25.01	24.88	24.82	24.79	30dBm
159	5795	24.29	--	--	--	--	--	--	--	30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/16	Test Site	SR7

IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	24.69	1Watt= 30 dBm	Pass
159	5795	23.58	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	24.69	24.65	24.61	24.54	24.52	24.47	24.42	24.41	30dBm
159	5795	23.58	--	--	--	--	--	--	--	30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/16	Test Site	SR7

IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	24.14	1Watt= 30 dBm	Pass
159	5795	23.30	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	24.14	24.10	24.07	24.02	23.97	23.92	23.81	23.80	30dBm
159	5795	23.30	--	--	--	--	--	--	--	30dBm

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/16	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	29.47	1Watt= 30 dBm	Pass
159	5795	28.51	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	29.47	29.43	29.43	29.43	29.43	29.43	29.43	29.43	30dBm
159	5795	28.51	--	--	--	--	--	--	--	30dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

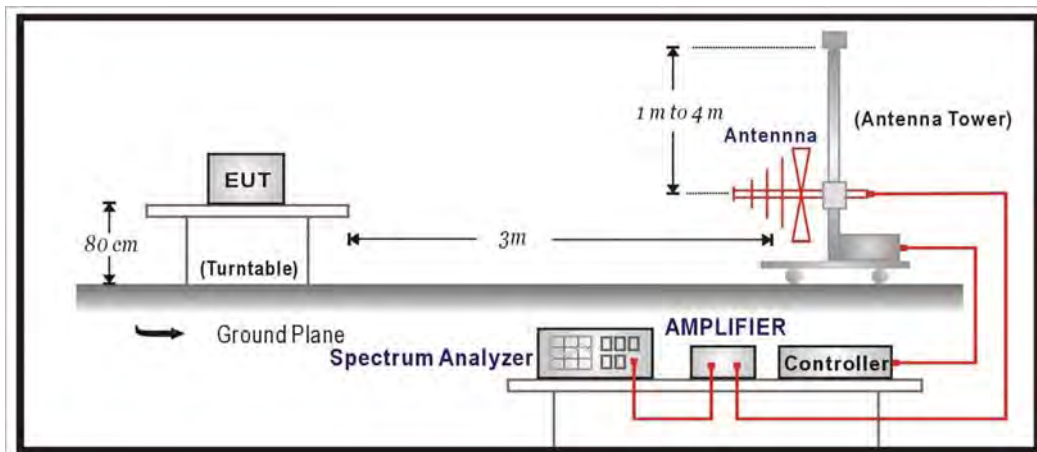
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2012/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2012/02/24
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2011/12/16
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2012/03/10
PSA Series Spectrum analyzer	Agilent	E4440A	MY46187335	2012/01/06
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2012/03/21

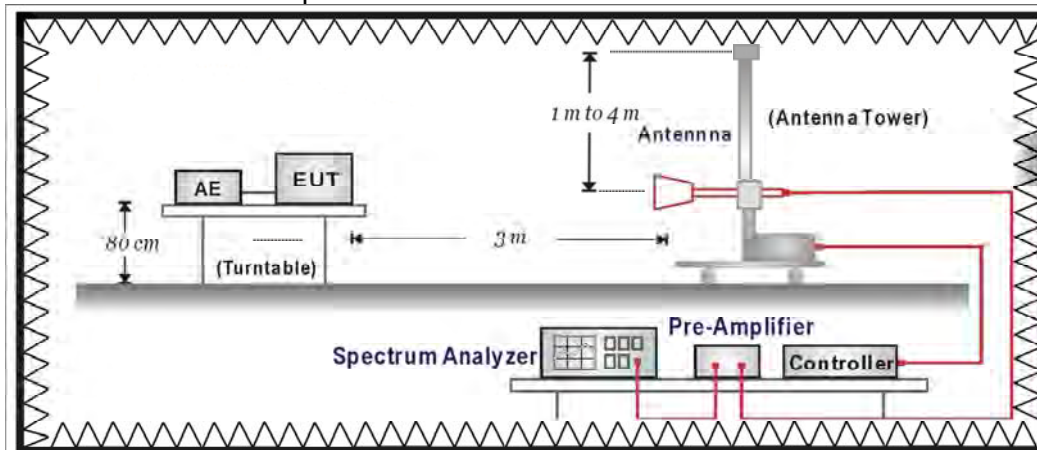
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



**4.3. Limits**

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

<b>FCC Part 15 Subpart C Paragraph 15.209 Limits</b>		
Frequency MHz	dBuV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

**4.4. Test Procedure**

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated measurement.

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

**4.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

**4.6. Uncertainty**

The measurement uncertainty

30MHz~1GHz as ±3.43dB

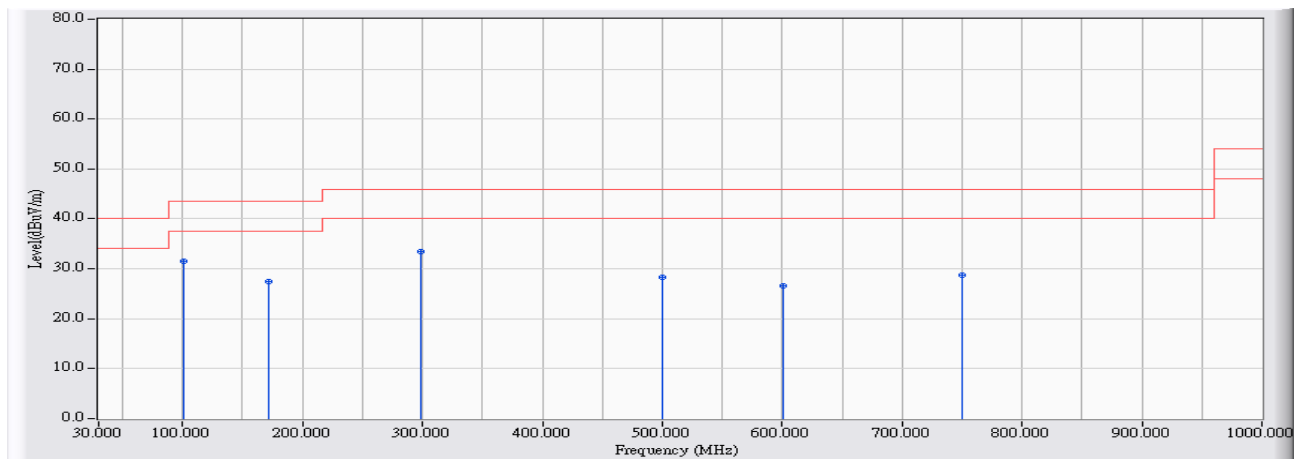
1GHz~26.5Ghz as ±3.65dB



4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2011/11/09 - 09:58
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11b

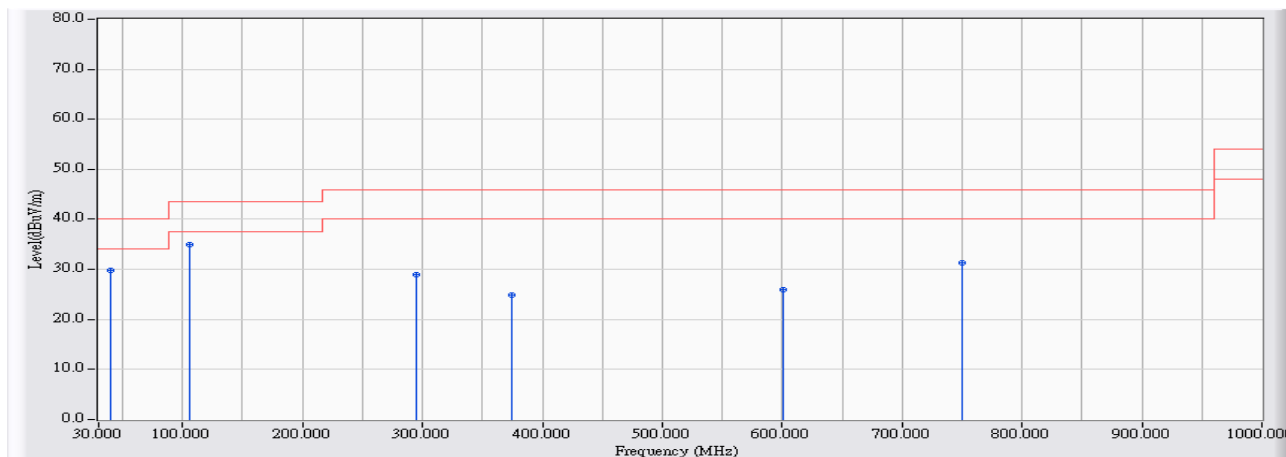


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	101.133	-13.425	44.896	31.471	-12.029	43.500	QUASIPeAK
2		172.267	-14.414	41.850	27.437	-16.063	43.500	QUASIPeAK
3		298.367	-10.299	43.687	33.388	-12.612	46.000	QUASIPeAK
4		500.450	-5.372	33.785	28.414	-17.586	46.000	QUASIPeAK
5		600.683	-4.326	30.903	26.576	-19.424	46.000	QUASIPeAK
6		749.417	-3.297	31.933	28.637	-17.363	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 09:50
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11b

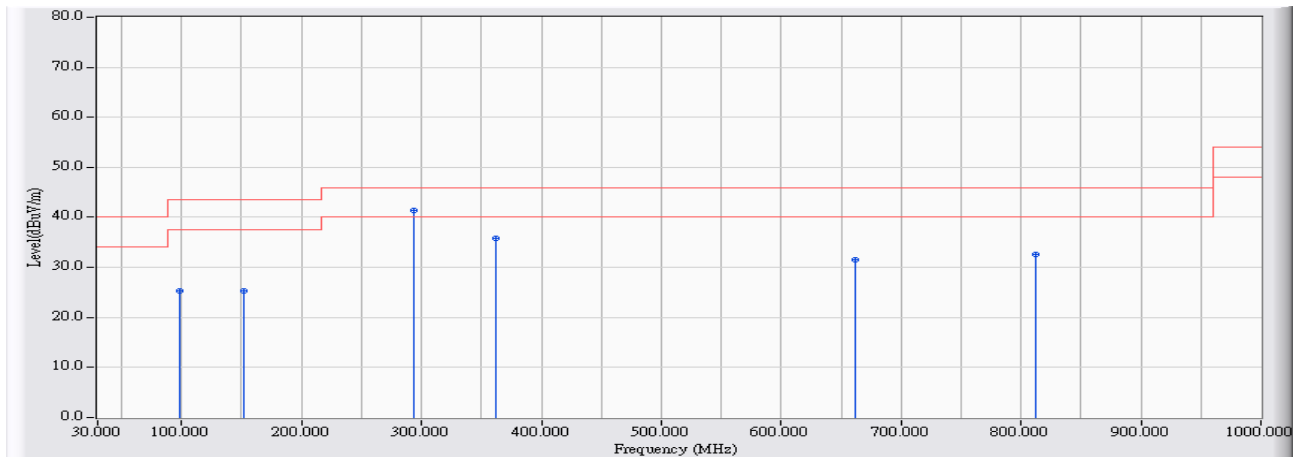


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	39.700	-12.268	41.997	29.729	-10.271	40.000	QUASPEAK
2	* 105.983	-13.004	47.939	34.935	-8.565	43.500	QUASPEAK
3	295.133	-10.350	39.267	28.917	-17.083	46.000	QUASPEAK
4	374.350	-8.111	33.051	24.940	-21.060	46.000	QUASPEAK
5	600.683	-4.326	30.357	26.030	-19.970	46.000	QUASPEAK
6	749.417	-3.297	34.584	31.288	-14.712	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11g

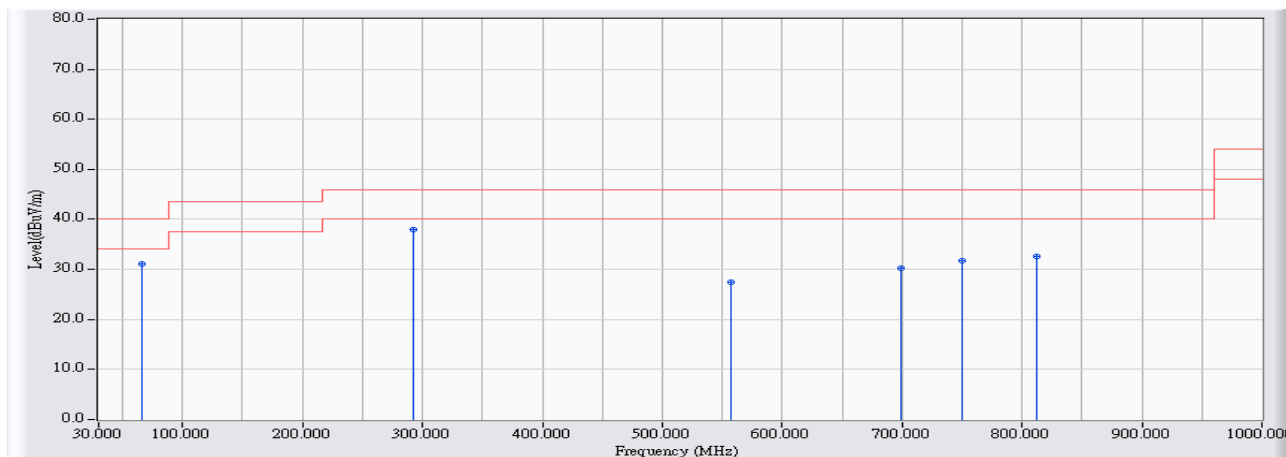


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	97.900	-13.974	39.276	25.302	-18.198	43.500	QUASPEAK
2	151.250	-13.510	38.814	25.304	-18.196	43.500	QUASPEAK
3	* 293.517	-10.375	51.670	41.294	-4.706	46.000	QUASPEAK
4	361.417	-8.484	44.393	35.909	-10.091	46.000	QUASPEAK
5	662.117	-4.048	35.514	31.466	-14.534	46.000	QUASPEAK
6	812.467	-2.568	35.215	32.647	-13.353	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11g

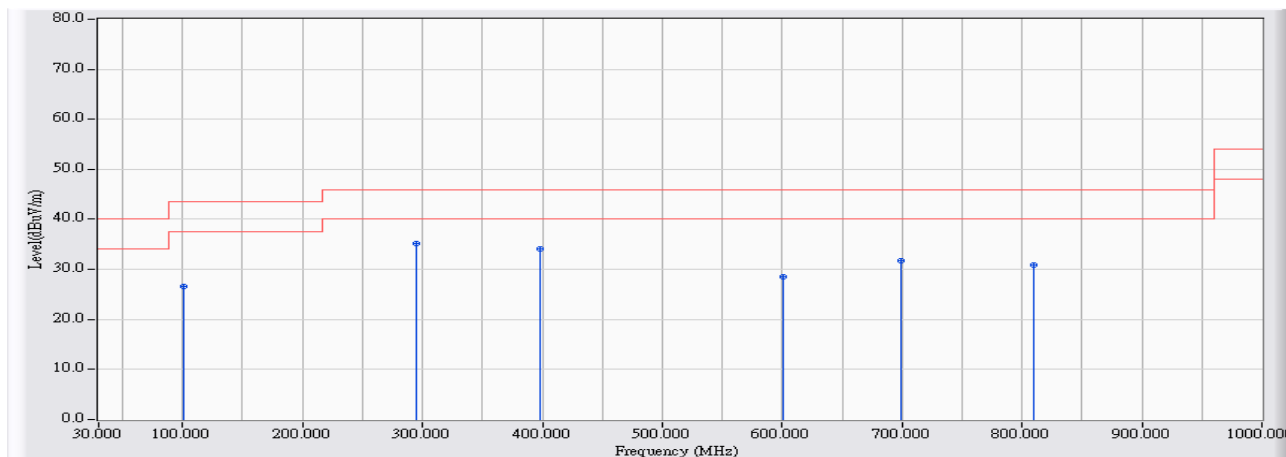


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	65.567	-17.772	48.808	31.036	-8.964	40.000	QUASPEAK
2	* 291.900	-10.401	48.412	38.011	-7.989	46.000	QUASPEAK
3	557.033	-4.673	32.218	27.545	-18.455	46.000	QUASPEAK
4	699.300	-3.939	34.189	30.250	-15.750	46.000	QUASPEAK
5	749.417	-3.297	34.988	31.692	-14.308	46.000	QUASPEAK
6	812.467	-2.568	35.145	32.577	-13.423	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(20M)

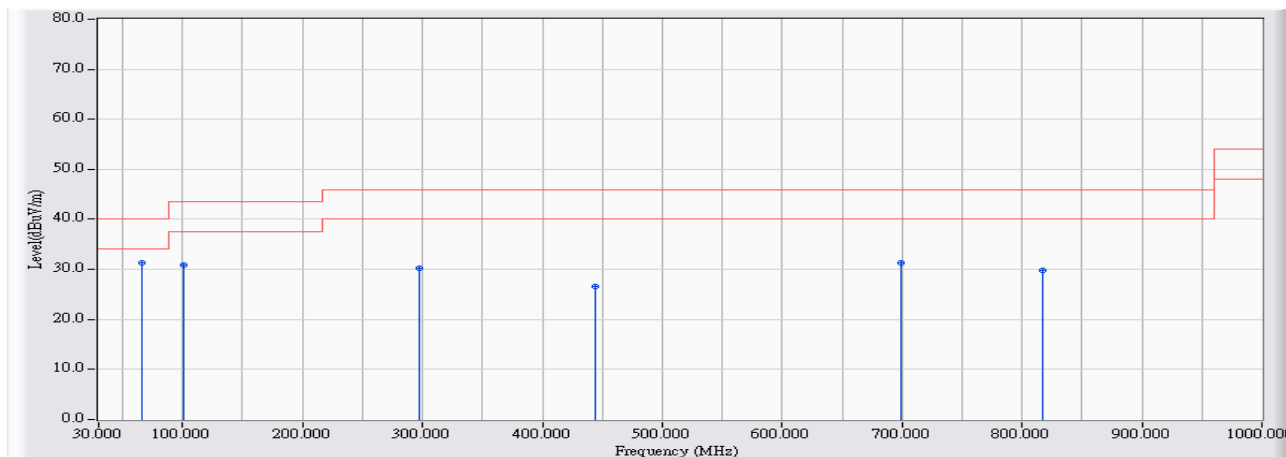


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.133	-13.425	40.066	26.641	-16.859	43.500	QUASIPeAK
2	* 295.133	-10.350	45.523	35.173	-10.827	46.000	QUASIPeAK
3	398.600	-7.411	41.494	34.084	-11.916	46.000	QUASIPeAK
4	600.683	-4.326	32.862	28.535	-17.465	46.000	QUASIPeAK
5	699.300	-3.939	35.746	31.807	-14.193	46.000	QUASIPeAK
6	809.233	-2.590	33.477	30.888	-15.112	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(20M)

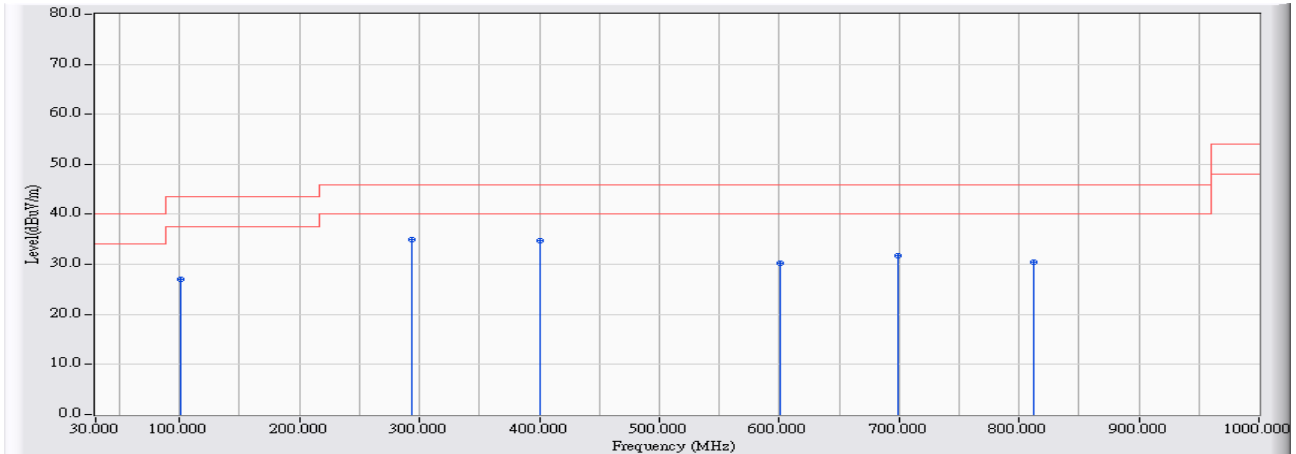


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	65.567	-17.772	49.083	31.311	-8.689	40.000	QUASPEAK
2		101.133	-13.425	44.356	30.931	-12.569	43.500	QUASPEAK
3		296.750	-10.325	40.536	30.212	-15.788	46.000	QUASPEAK
4		443.867	-6.459	33.061	26.601	-19.399	46.000	QUASPEAK
5		699.300	-3.939	35.277	31.338	-14.662	46.000	QUASPEAK
6		817.317	-2.536	32.450	29.914	-16.086	46.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:22
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(40M)

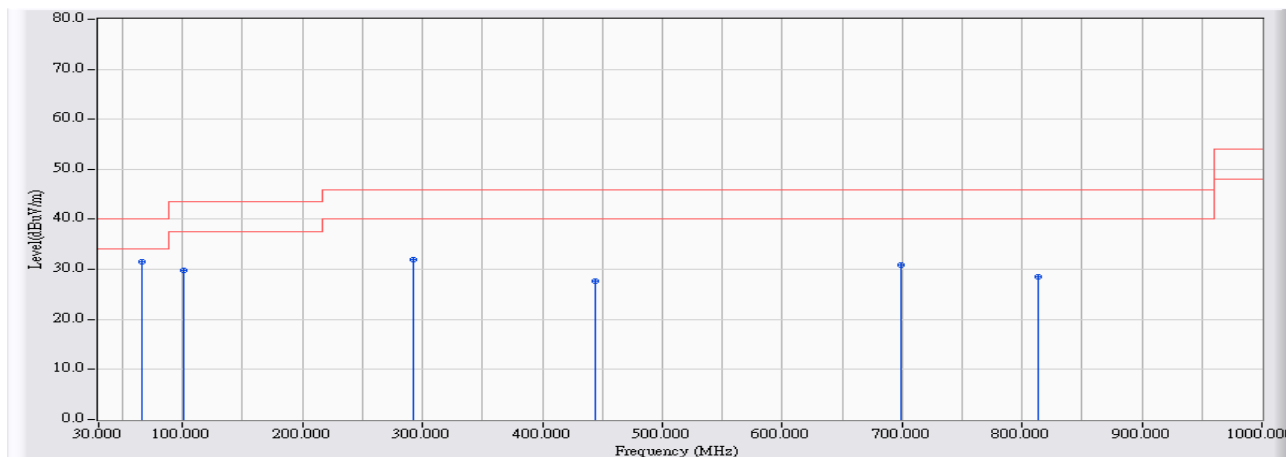


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	101.133	-13.425	40.504	27.079	-16.421	43.500	QUASIPeAK
2	* 293.517	-10.375	45.286	34.910	-11.090	46.000	QUASIPeAK
3	400.217	-7.367	42.037	34.671	-11.329	46.000	QUASIPeAK
4	600.683	-4.326	34.556	30.229	-15.771	46.000	QUASIPeAK
5	699.300	-3.939	35.589	31.650	-14.350	46.000	QUASIPeAK
6	812.467	-2.568	33.002	30.434	-15.566	46.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(40M)



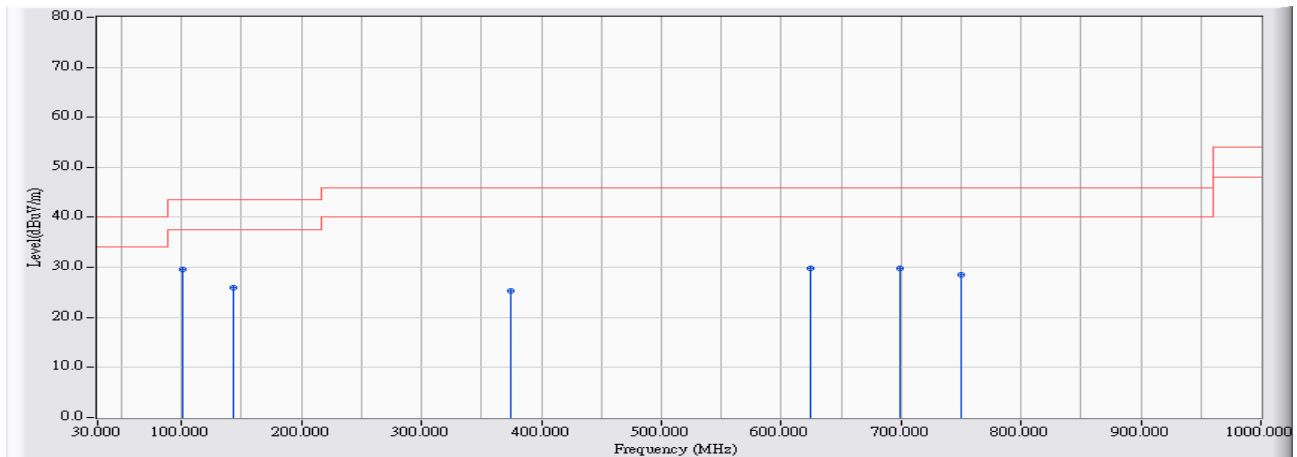
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	65.567	-17.772	49.402	31.630	-8.370	40.000	QUASPEAK
2		101.133	-13.425	43.224	29.799	-13.701	43.500	QUASPEAK
3		291.900	-10.401	42.254	31.853	-14.147	46.000	QUASPEAK
4		443.867	-6.459	34.149	27.689	-18.311	46.000	QUASPEAK
5		699.300	-3.939	34.906	30.967	-15.033	46.000	QUASPEAK
6		814.083	-2.557	30.984	28.426	-17.574	46.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.



Site : CB1	Time : 2011/11/09 - 10:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5785MHz,802.11a

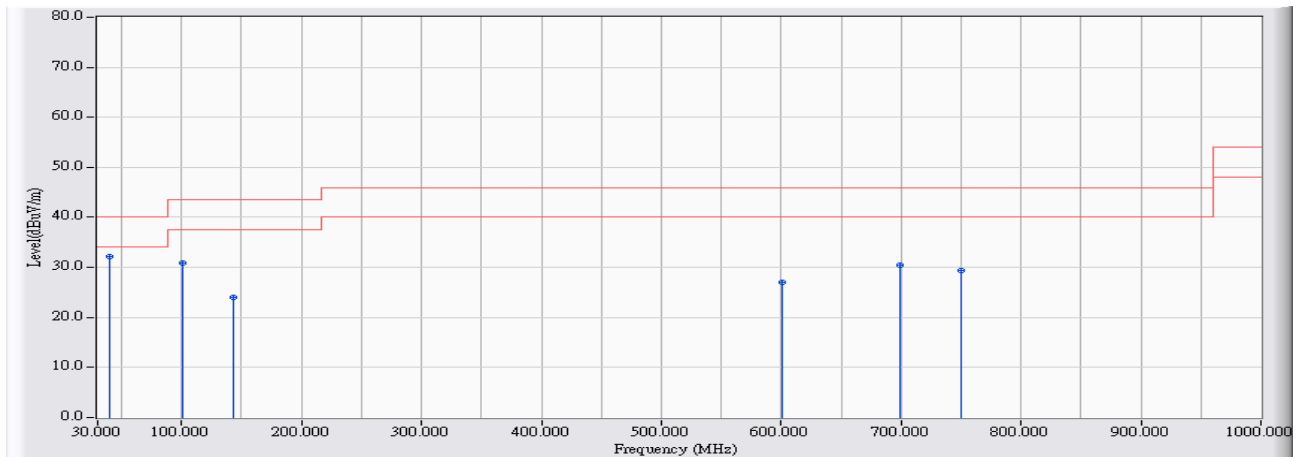


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	101.133	-13.425	43.006	29.581	-13.919	43.500	QUASIPeAK
2		143.167	-13.105	38.955	25.850	-17.650	43.500	QUASIPeAK
3		374.350	-8.111	33.444	25.333	-20.667	46.000	QUASIPeAK
4		624.933	-4.207	34.039	29.832	-16.168	46.000	QUASIPeAK
5		699.300	-3.939	33.853	29.914	-16.086	46.000	QUASIPeAK
6		749.417	-3.297	31.735	28.439	-17.561	46.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5785MHz,802.11a

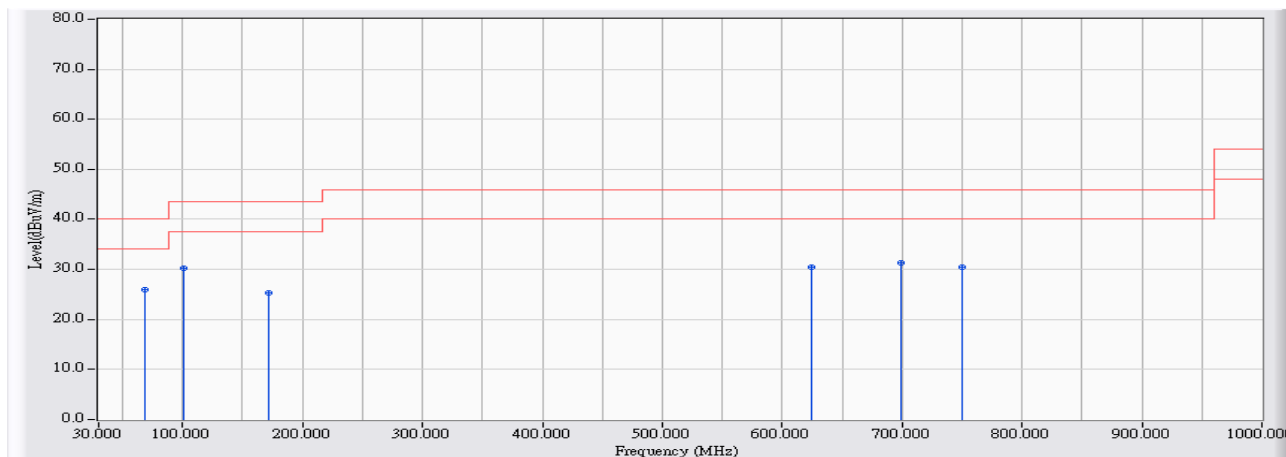


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.700	-12.268	44.370	32.102	-7.898	40.000	QUASPEAK
2		101.133	-13.425	44.257	30.832	-12.668	43.500	QUASPEAK
3		143.167	-13.105	37.099	23.994	-19.506	43.500	QUASPEAK
4		600.683	-4.326	31.294	26.967	-19.033	46.000	QUASPEAK
5		699.300	-3.939	34.321	30.382	-15.618	46.000	QUASPEAK
6		749.417	-3.297	32.600	29.304	-16.696	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5785MHz,802.11n(20M)

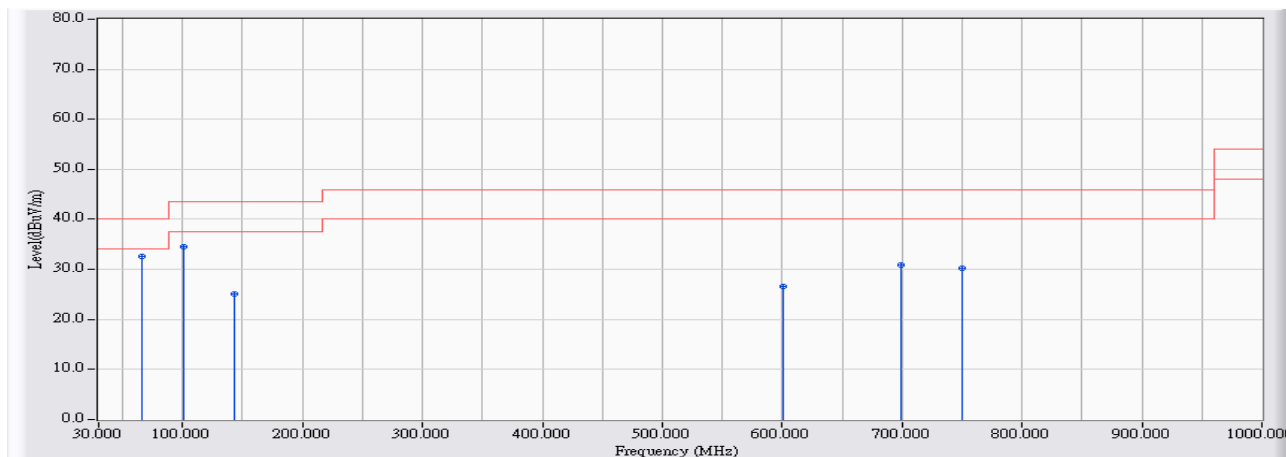


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	68.800	-17.759	43.709	25.949	-14.051	40.000	QUASPEAK
2	* 101.133	-13.425	43.679	30.254	-13.246	43.500	QUASPEAK
3	172.267	-14.414	39.823	25.410	-18.090	43.500	QUASPEAK
4	624.933	-4.207	34.631	30.424	-15.576	46.000	QUASPEAK
5	699.300	-3.939	35.240	31.301	-14.699	46.000	QUASPEAK
6	749.417	-3.297	33.701	30.405	-15.595	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5785MHz,802.11n(20M)

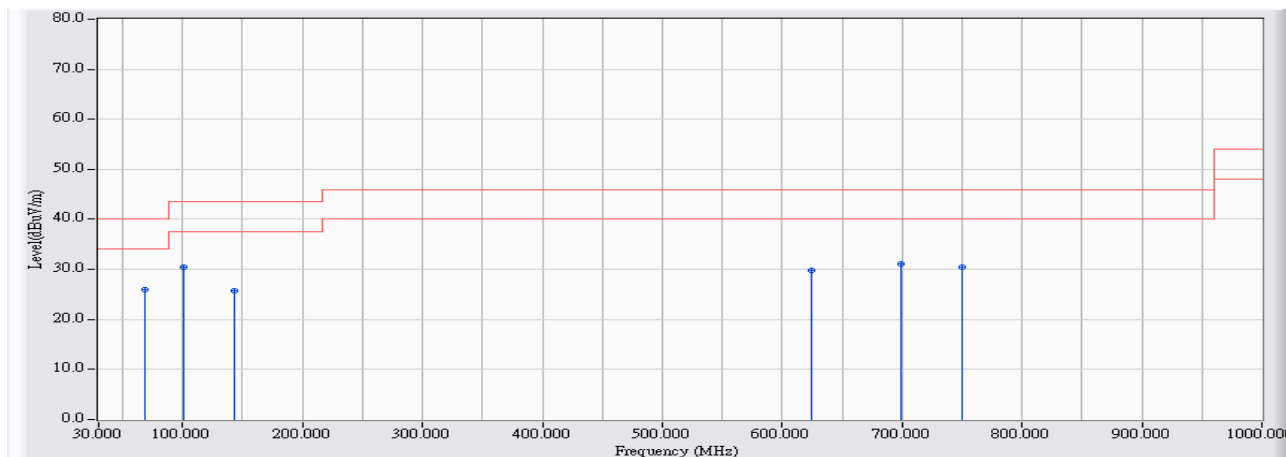


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	65.567	-17.772	50.400	32.628	-7.372	40.000	QUASPEAK
2		101.133	-13.425	48.028	34.603	-8.897	43.500	QUASPEAK
3		143.167	-13.105	38.257	25.152	-18.348	43.500	QUASPEAK
4		600.683	-4.326	30.887	26.560	-19.440	46.000	QUASPEAK
5		699.300	-3.939	34.760	30.821	-15.179	46.000	QUASPEAK
6		749.417	-3.297	33.533	30.237	-15.763	46.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5755MHz,802.11n(40M)

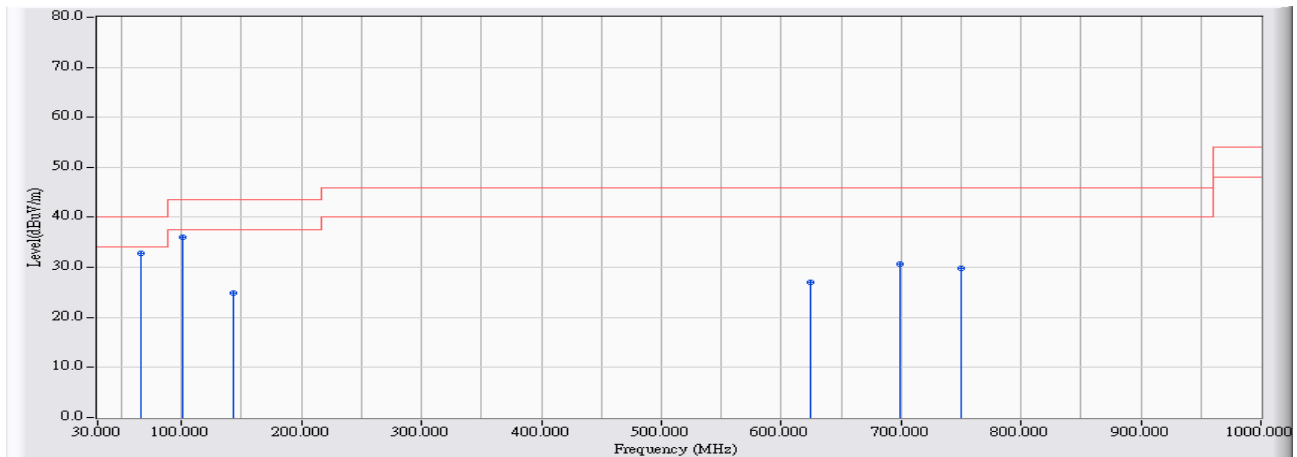


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	68.800	-17.759	43.606	25.846	-14.154	40.000	QUASPEAK
2	* 101.133	-13.425	43.937	30.512	-12.988	43.500	QUASPEAK
3	143.167	-13.105	38.946	25.841	-17.659	43.500	QUASPEAK
4	624.933	-4.207	34.008	29.801	-16.199	46.000	QUASPEAK
5	699.300	-3.939	34.990	31.051	-14.949	46.000	QUASPEAK
6	749.417	-3.297	33.814	30.518	-15.482	46.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2011/11/09 - 10:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5755MHz,802.11n(40M)

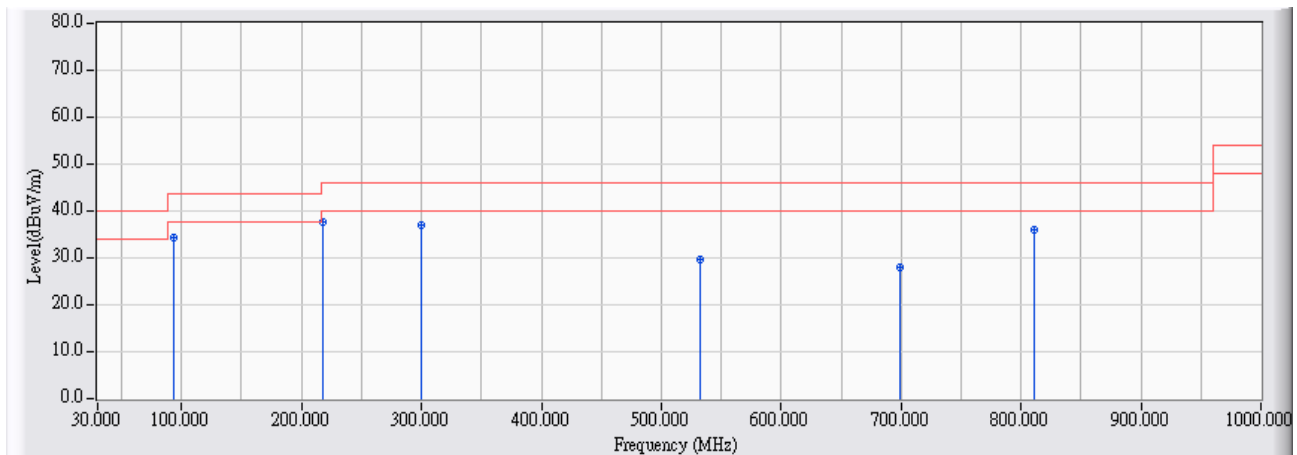


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	65.567	-17.772	50.565	32.793	-7.207	40.000	QUASPEAK
2		101.133	-13.425	49.552	36.127	-7.373	43.500	QUASPEAK
3		143.167	-13.105	37.952	24.847	-18.653	43.500	QUASPEAK
4		624.933	-4.207	31.211	27.004	-18.996	46.000	QUASPEAK
5		699.300	-3.939	34.637	30.698	-15.302	46.000	QUASPEAK
6		749.417	-3.297	33.139	29.843	-16.157	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:08
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-2437MH,802.11b

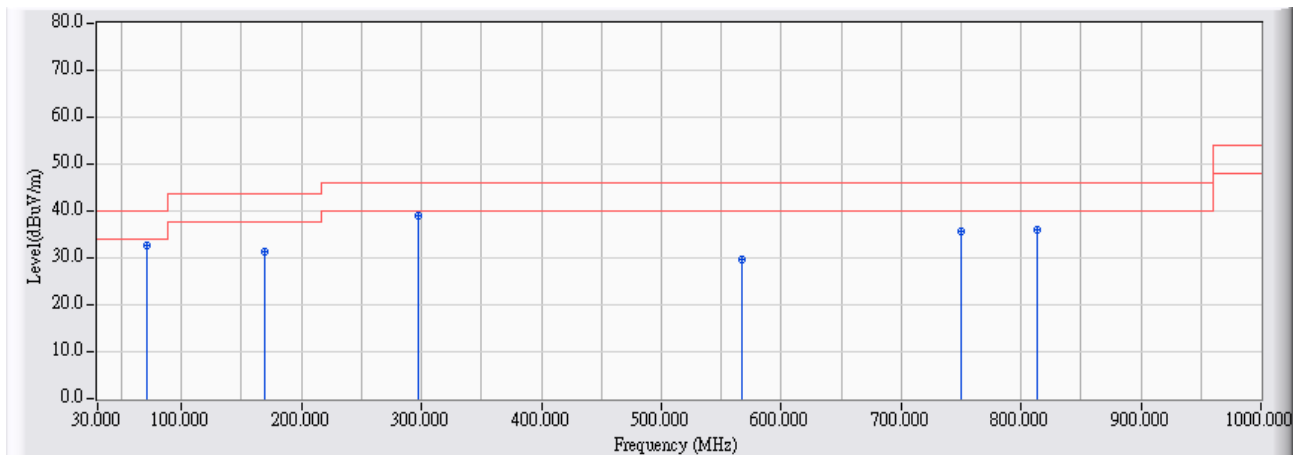


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	93.050	-15.015	49.338	34.323	-9.177	43.500	QUASPEAK
2	* 217.533	-13.435	51.130	37.695	-8.305	46.000	QUASPEAK
3	299.983	-10.270	47.383	37.113	-8.887	46.000	QUASPEAK
4	532.783	-4.952	34.759	29.807	-16.193	46.000	QUASPEAK
5	699.300	-3.939	31.987	28.048	-17.952	46.000	QUASPEAK
6	810.850	-2.578	38.658	36.080	-9.920	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:02
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V / 60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ASUS, AD82030-2437MHz,802.11b



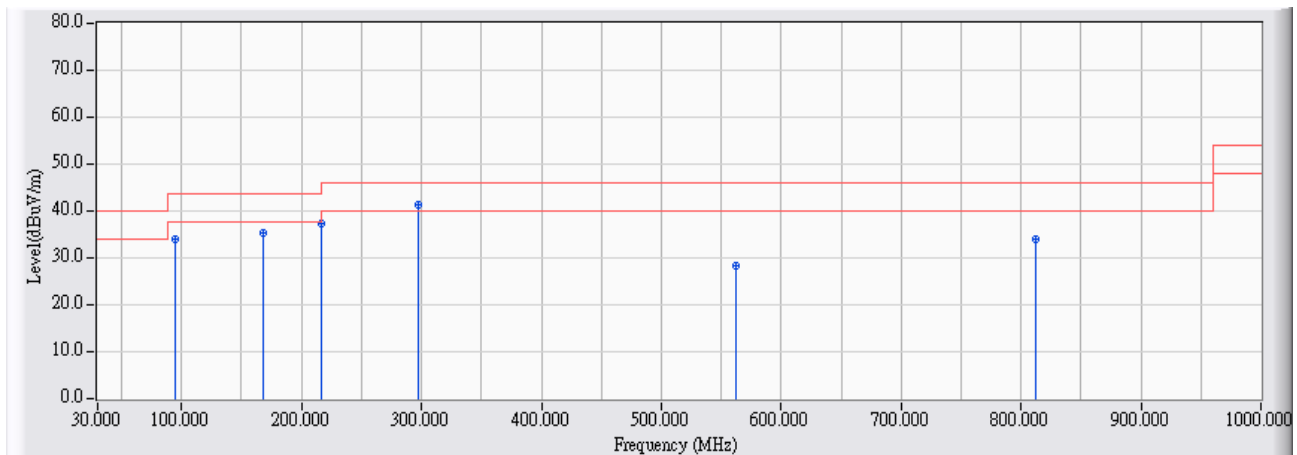
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	70.417	-17.720	50.476	32.756	-7.244	40.000	QUASPEAK
2	169.033	-14.286	45.504	31.217	-12.283	43.500	QUASPEAK
3	* 296.750	-10.325	49.407	39.083	-6.917	46.000	QUASPEAK
4	566.733	-4.595	34.370	29.775	-16.225	46.000	QUASPEAK
5	749.417	-3.297	39.044	35.748	-10.252	46.000	QUASPEAK
6	814.083	-2.557	38.476	35.918	-10.082	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.



Site : CB1	Time : 2012/01/02 - 21:19
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ASUS, AD82030-2437MHz,802.11g

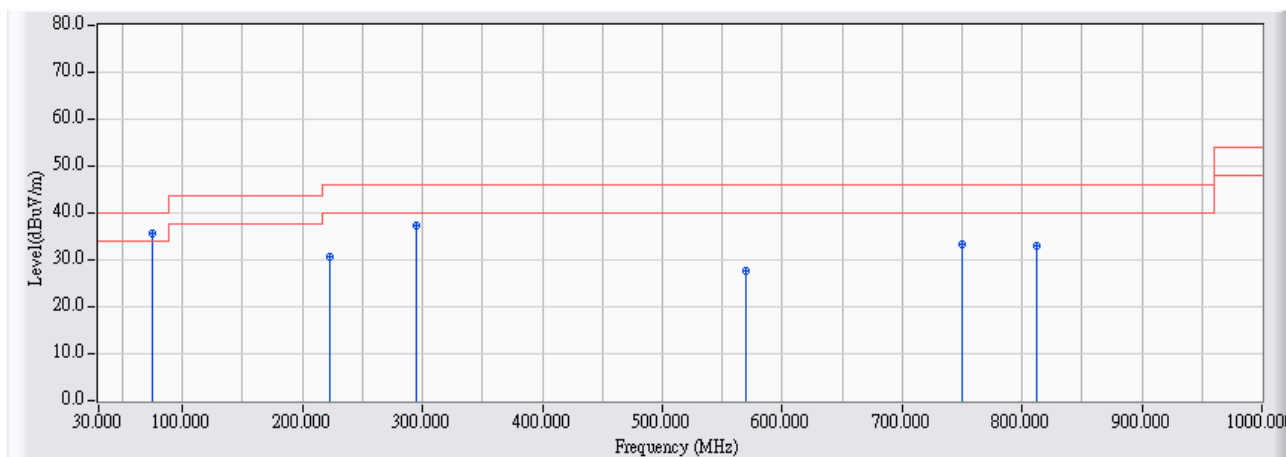


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	94.667	-14.668	48.558	33.890	-9.610	43.500	QUASPEAK
2	167.417	-14.224	49.484	35.260	-8.240	43.500	QUASPEAK
3	215.917	-13.554	50.832	37.279	-6.221	43.500	QUASPEAK
4	* 296.750	-10.325	51.728	41.404	-4.596	46.000	QUASPEAK
5	561.883	-4.634	33.031	28.397	-17.603	46.000	QUASPEAK
6	812.467	-2.568	36.456	33.888	-12.112	46.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V / 60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ASUS, AD82030-2437MHz,802.11g

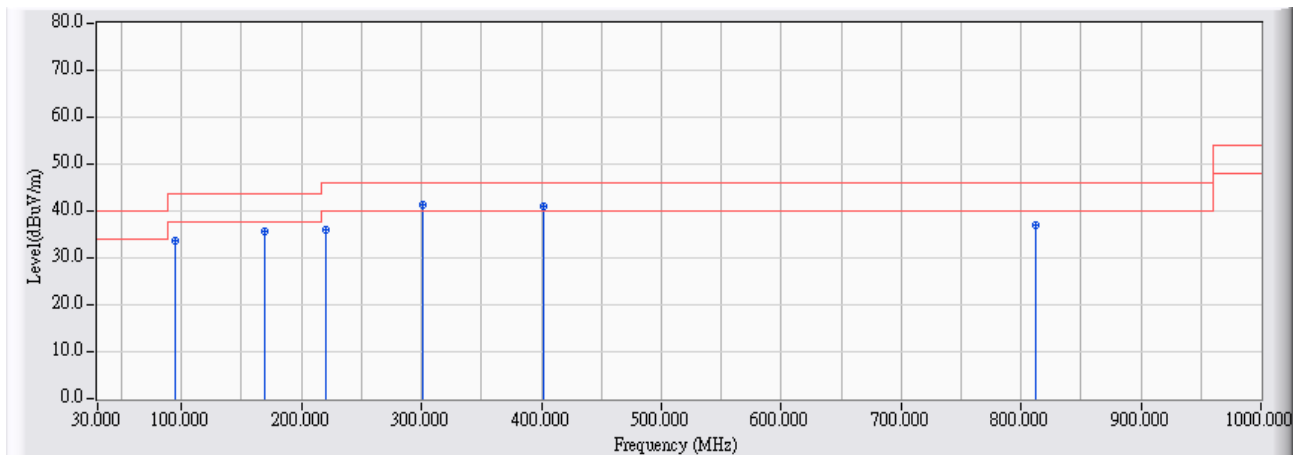


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	75.267	-17.377	52.883	35.506	-4.494	40.000	QUASPEAK
2		222.383	-13.082	43.832	30.750	-15.250	46.000	QUASPEAK
3		295.133	-10.350	47.690	37.340	-8.660	46.000	QUASPEAK
4		569.967	-4.569	32.113	27.543	-18.457	46.000	QUASPEAK
5		749.417	-3.297	36.659	33.363	-12.637	46.000	QUASPEAK
6		812.467	-2.568	35.721	33.153	-12.847	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:30
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ASUS, AD82030-2437MHz,802.11n(20M)

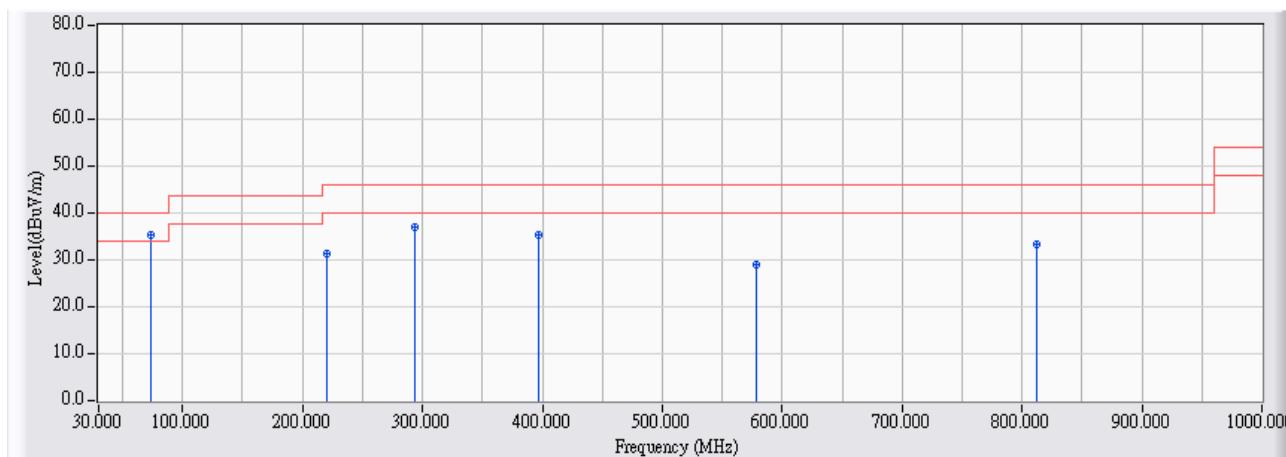


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	94.667	-14.668	48.456	33.788	-9.712	43.500	QUASPEAK
2	169.033	-14.286	49.792	35.505	-7.995	43.500	QUASPEAK
3	220.767	-13.199	49.275	36.076	-9.924	46.000	QUASPEAK
4	* 301.600	-10.227	51.439	41.213	-4.787	46.000	QUASPEAK
5	401.833	-7.331	48.493	41.161	-4.839	46.000	QUASPEAK
6	812.467	-2.568	39.513	36.945	-9.055	46.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V / 60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-2437MHz,802.11n(20M)

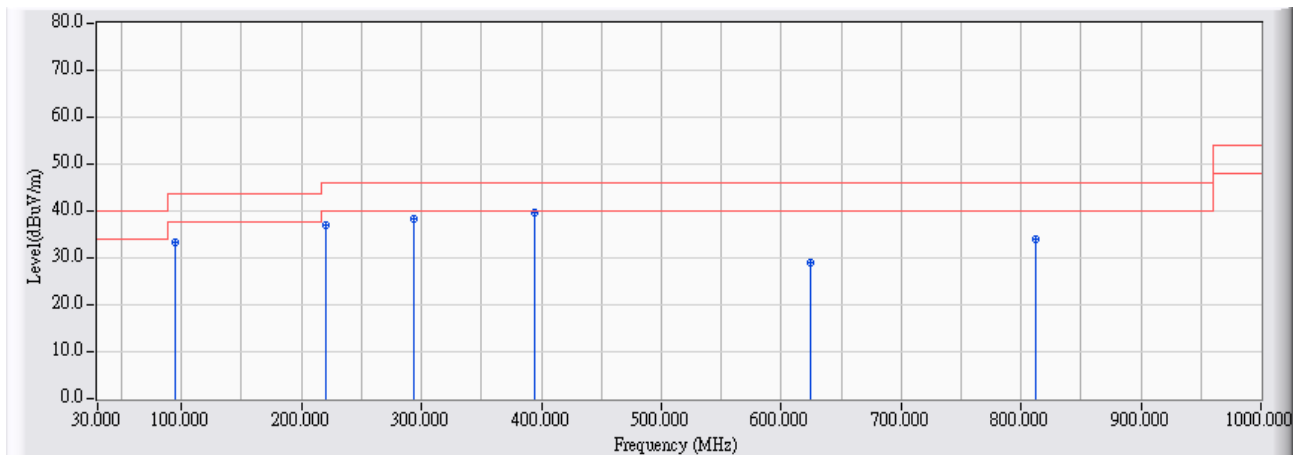


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	73.650	-17.493	52.688	35.195	-4.805	40.000	QUASPEAK
2		220.767	-13.199	44.424	31.225	-14.775	46.000	QUASPEAK
3		293.517	-10.375	47.411	37.035	-8.965	46.000	QUASPEAK
4		396.983	-7.457	42.637	35.180	-10.820	46.000	QUASPEAK
5		578.050	-4.505	33.564	29.059	-16.941	46.000	QUASPEAK
6		812.467	-2.568	35.981	33.413	-12.587	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ASUS, AD82030-2437MHz,802.11n(40M)

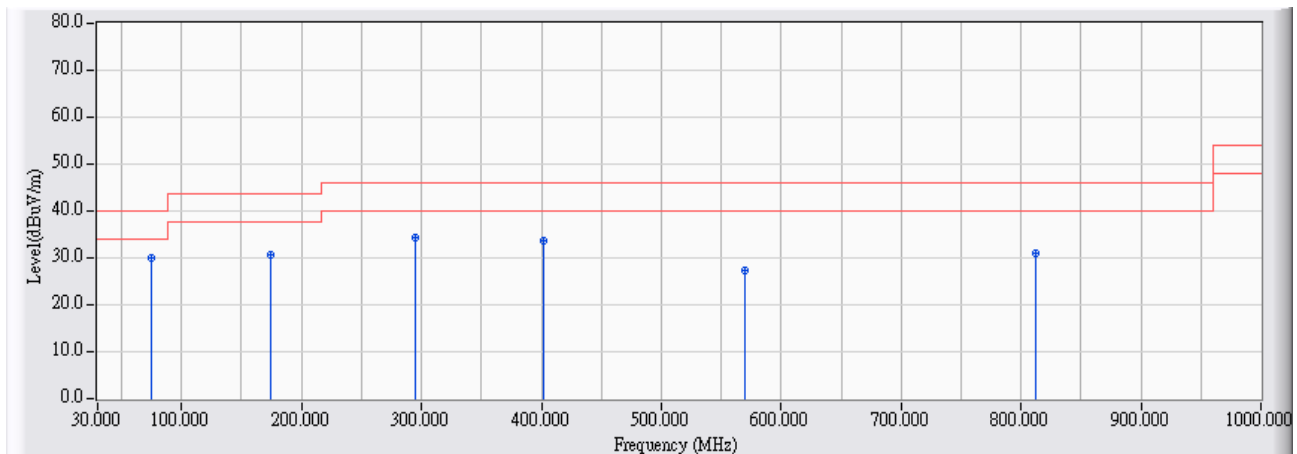


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	94.667	-14.668	48.024	33.356	-10.144	43.500	QUASPEAK
2	220.767	-13.199	50.279	37.080	-8.920	46.000	QUASPEAK
3	293.517	-10.375	48.676	38.300	-7.700	46.000	QUASPEAK
4	* 393.750	-7.551	47.160	39.609	-6.391	46.000	QUASPEAK
5	624.933	-4.207	33.216	29.009	-16.991	46.000	QUASPEAK
6	812.467	-2.568	36.623	34.055	-11.945	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V / 60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-2437MHz,802.11n(40M)

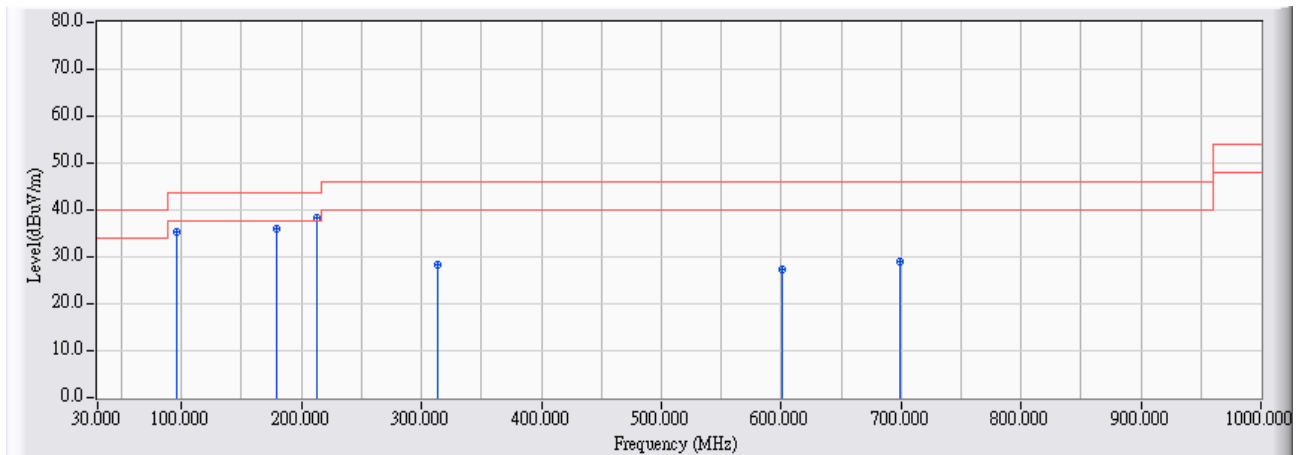


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	75.267	-17.377	47.358	29.981	-10.019	40.000	QUASIPeAK
2		173.883	-14.476	45.041	30.565	-12.935	43.500	QUASIPeAK
3		295.133	-10.350	44.543	34.193	-11.807	46.000	QUASIPeAK
4		401.833	-7.331	40.921	33.589	-12.411	46.000	QUASIPeAK
5		569.967	-4.569	31.819	27.249	-18.751	46.000	QUASIPeAK
6		812.467	-2.568	33.691	31.123	-14.877	46.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:44
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-5785MHz,802.11a

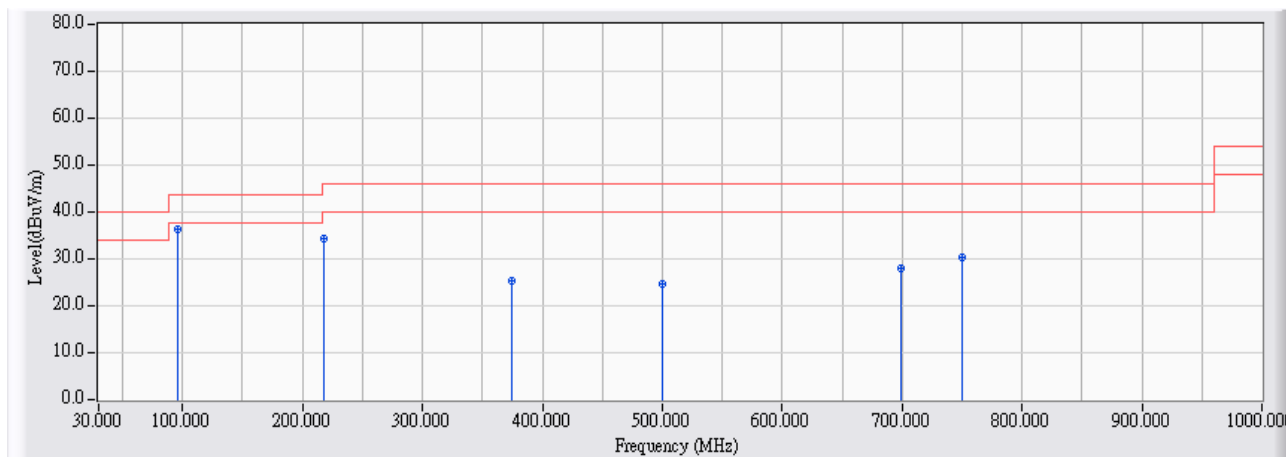


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	96.283	-14.321	49.665	35.344	-8.156	43.500	QUASIPeAK
2	178.733	-14.664	50.806	36.141	-7.359	43.500	QUASIPeAK
3	* 212.683	-13.789	52.085	38.296	-5.204	43.500	QUASIPeAK
4	312.917	-9.896	38.271	28.375	-17.625	46.000	QUASIPeAK
5	600.683	-4.326	31.819	27.492	-18.508	46.000	QUASIPeAK
6	699.300	-3.939	32.809	28.870	-17.130	46.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:38
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-5785MHz,802.11a



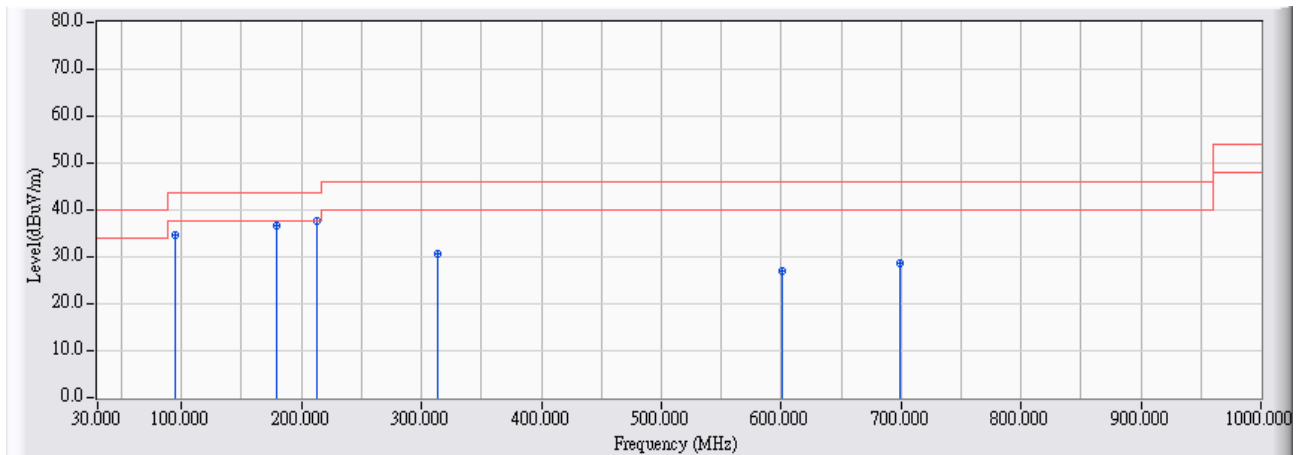
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	96.283	-14.321	50.657	36.336	-7.164	43.500	QUASPEAK
2		217.533	-13.435	47.860	34.425	-11.575	46.000	QUASPEAK
3		374.350	-8.111	33.482	25.371	-20.629	46.000	QUASPEAK
4		500.450	-5.372	29.915	24.544	-21.456	46.000	QUASPEAK
5		699.300	-3.939	31.807	27.868	-18.132	46.000	QUASPEAK
6		749.417	-3.297	33.593	30.297	-15.703	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.



Site : CB1	Time : 2012/01/02 - 21:53
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-5785MHz,802.11n(20M)

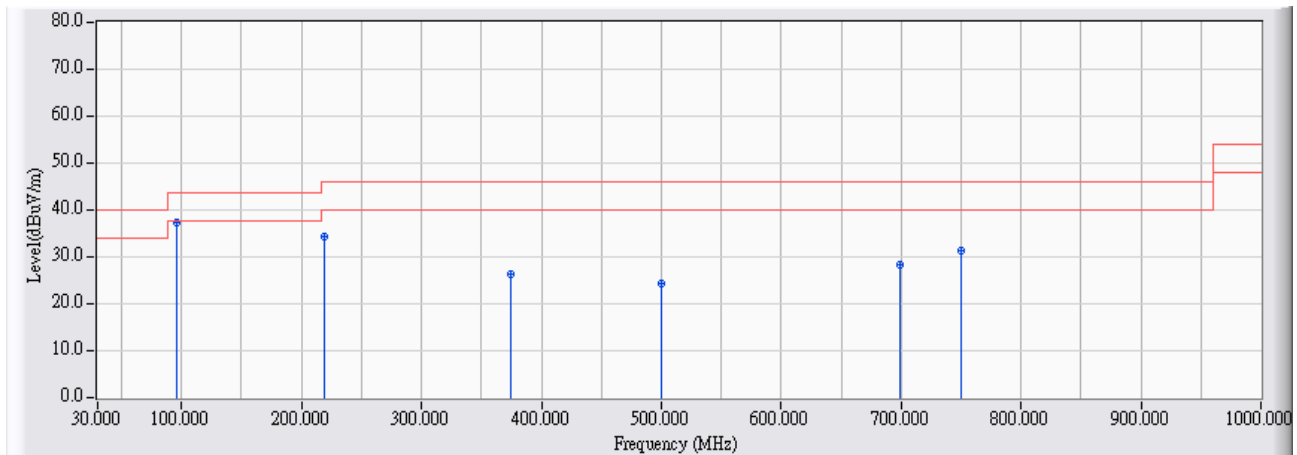


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	94.667	-14.668	49.240	34.572	-8.928	43.500	QUASPEAK
2	178.733	-14.664	51.302	36.637	-6.863	43.500	QUASPEAK
3	* 212.683	-13.789	51.471	37.682	-5.818	43.500	QUASPEAK
4	312.917	-9.896	40.548	30.652	-15.348	46.000	QUASPEAK
5	600.683	-4.326	31.429	27.102	-18.898	46.000	QUASPEAK
6	699.300	-3.939	32.647	28.708	-17.292	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:49
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-5785MHz,802.11n(20M)

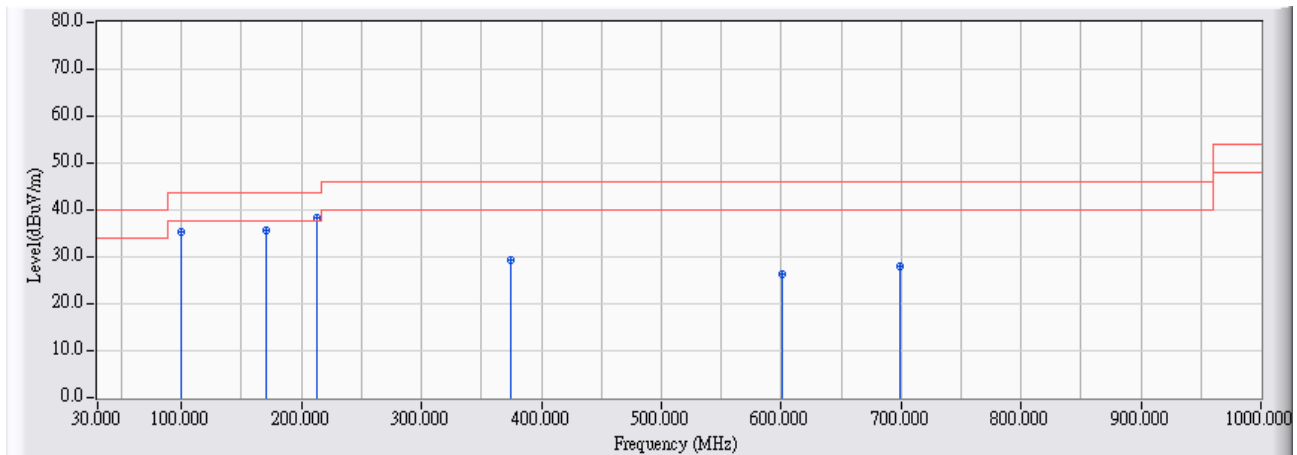


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	96.283	-14.321	51.577	37.256	-6.244	43.500	QUASPEAK
2		219.150	-13.317	47.695	34.378	-11.622	46.000	QUASPEAK
3		374.350	-8.111	34.421	26.310	-19.690	46.000	QUASPEAK
4		500.450	-5.372	29.800	24.429	-21.571	46.000	QUASPEAK
5		699.300	-3.939	32.324	28.385	-17.615	46.000	QUASPEAK
6		749.417	-3.297	34.598	31.302	-14.698	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:57
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-5755MHz,802.11n(40M)

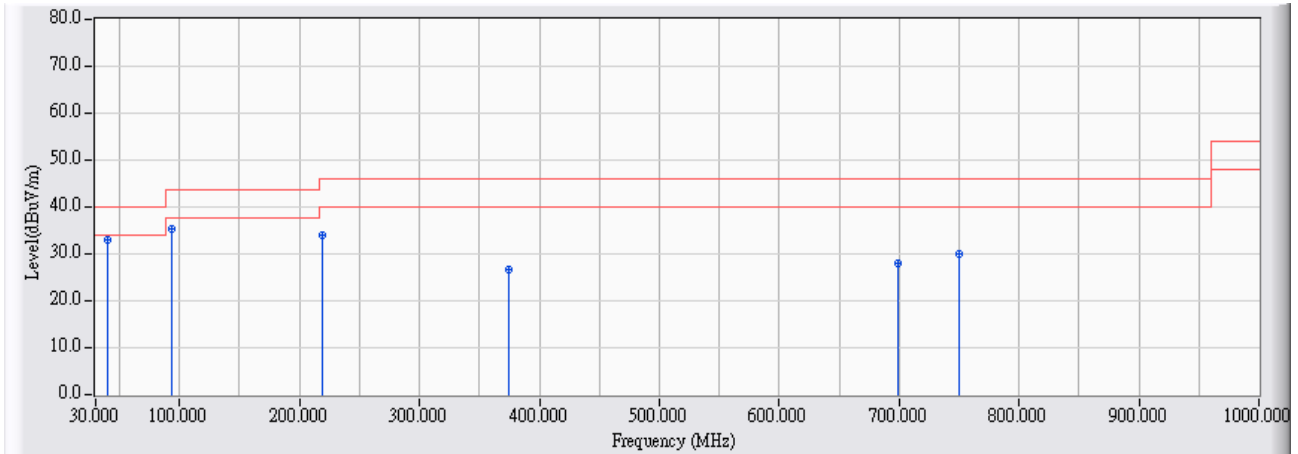


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	99.517	-13.627	48.885	35.258	-8.242	43.500	QUASPEAK
2	170.650	-14.349	50.084	35.734	-7.766	43.500	QUASPEAK
3	* 212.683	-13.789	51.966	38.177	-5.323	43.500	QUASPEAK
4	374.350	-8.111	37.560	29.449	-16.551	46.000	QUASPEAK
5	600.683	-4.326	30.810	26.483	-19.517	46.000	QUASPEAK
6	699.300	-3.939	31.850	27.911	-18.089	46.000	QUASPEAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	Time : 2012/01/02 - 21:56
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT :Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 2: Transmit_ ASUS, AD82030-5755MHz,802.11n(40M)



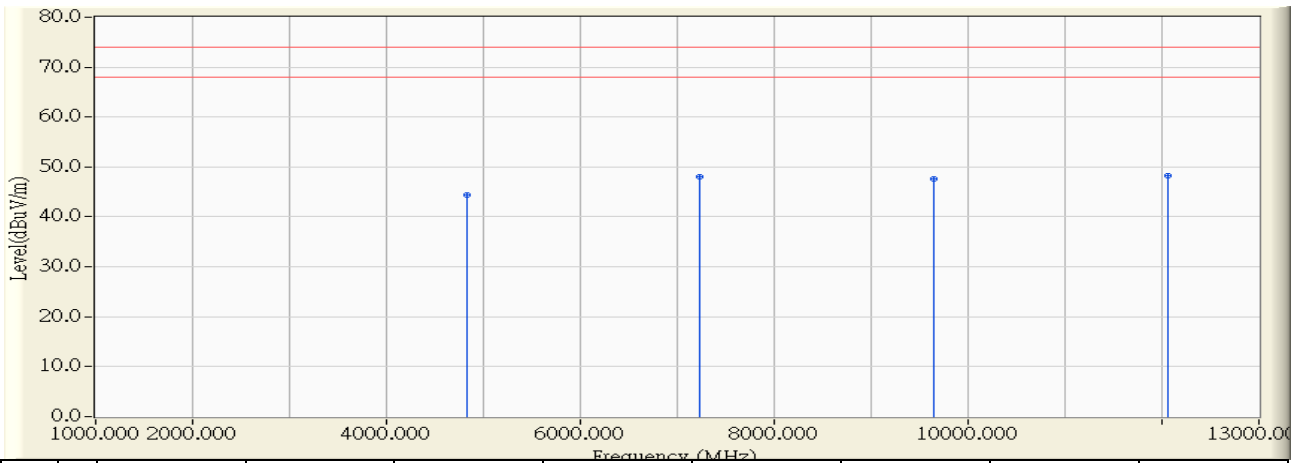
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.700	-12.268	45.433	33.165	-6.835	40.000	QUASIPeAK
2		93.050	-15.015	50.436	35.421	-8.079	43.500	QUASIPeAK
3		219.150	-13.317	47.479	34.162	-11.838	46.000	QUASIPeAK
4		374.350	-8.111	34.670	26.559	-19.441	46.000	QUASIPeAK
5		699.300	-3.939	32.099	28.160	-17.840	46.000	QUASIPeAK
6		749.417	-3.297	33.381	30.085	-15.915	46.000	QUASIPeAK

**Note:**

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

**Above 1GHz Spurious**

Site : CB1	Time : 2011/11/07 - 13:38
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11b

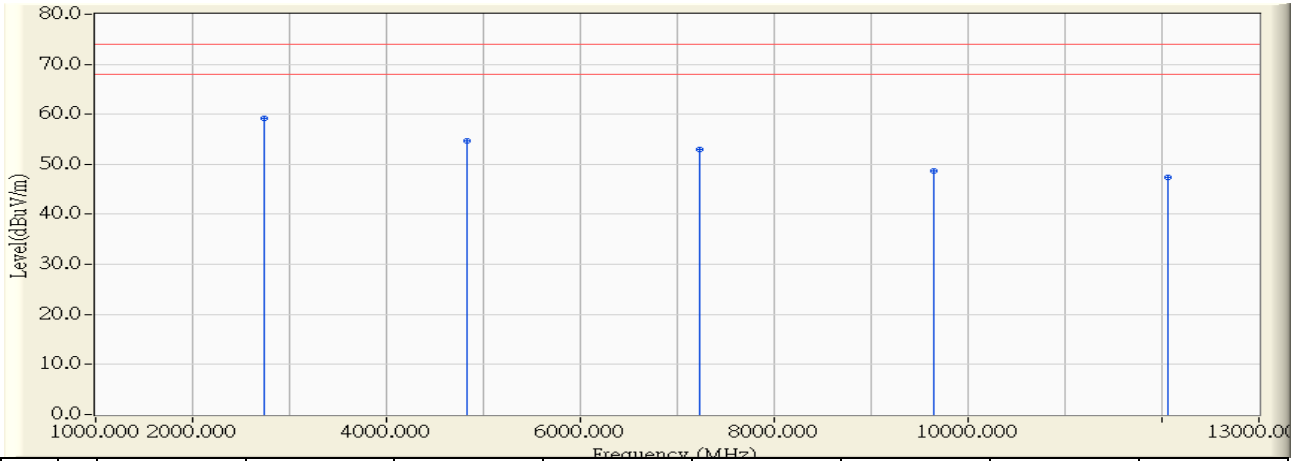


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4823.920	-0.803	45.112	44.309	-29.691	74.000	54.000	PEAK
2	7233.880	5.491	42.452	47.943	-26.057	74.000	54.000	PEAK
3	9649.380	9.241	38.353	47.594	-26.406	74.000	54.000	PEAK
4	* 12057.600	11.526	36.824	48.350	-25.650	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/07 - 13:22
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11b

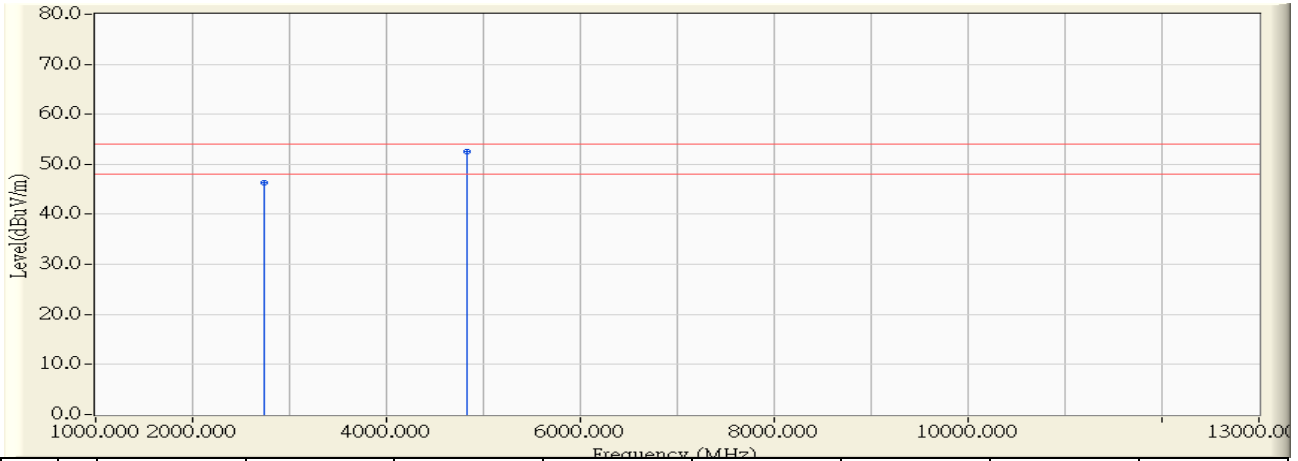


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2739.000	-3.552	62.846	59.295	-14.705	74.000	54.000	PEAK
2		4823.960	-0.803	55.405	54.602	-19.398	74.000	54.000	PEAK
3		7235.920	5.497	47.467	52.963	-21.037	74.000	54.000	PEAK
4		9648.120	9.232	39.348	48.580	-25.420	74.000	54.000	PEAK
5		12059.840	11.525	35.973	47.498	-26.502	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/07 - 13:23
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11b

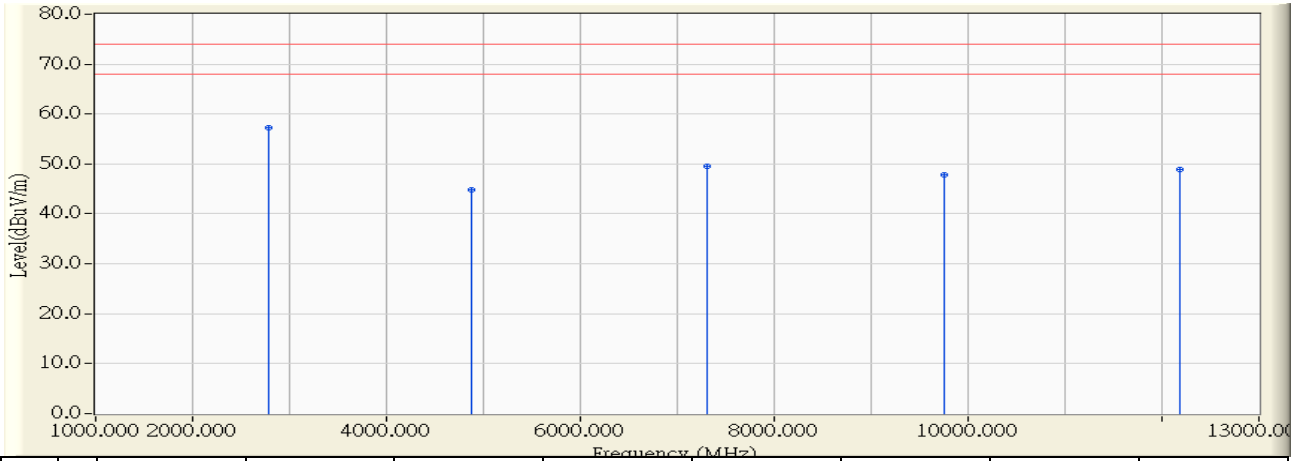


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2738.500	-3.550	49.781	46.231	-7.769	74.000	54.000	AVERAGE
2	* 4823.960	-0.803	53.419	52.616	-1.384	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 11:17
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11b



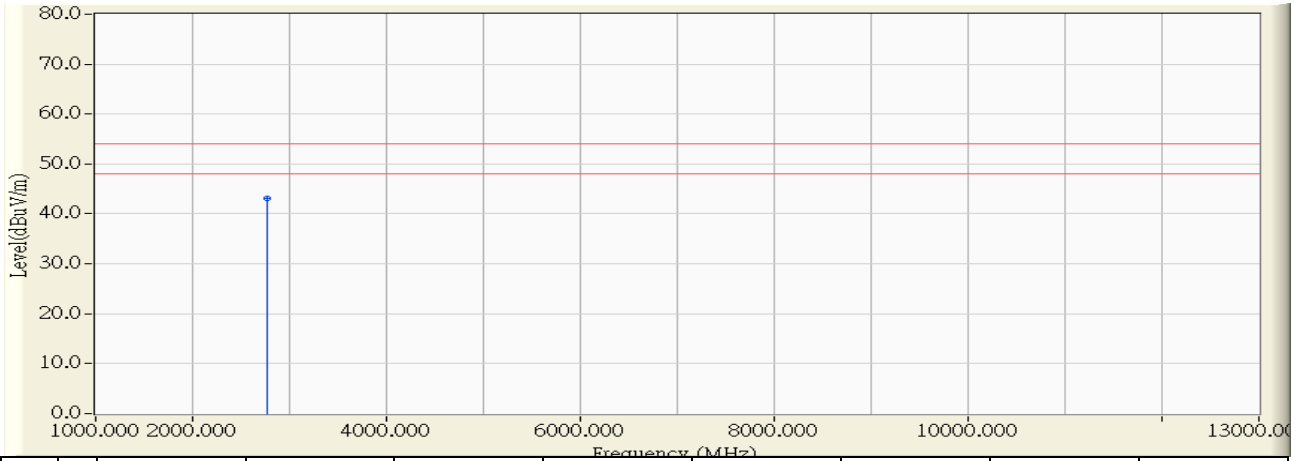
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2782.580	-3.666	60.869	57.203	-16.797	74.000	54.000	PEAK
2		4874.020	-0.672	45.516	44.844	-29.156	74.000	54.000	PEAK
3		7310.920	5.678	43.902	49.579	-24.421	74.000	54.000	PEAK
4		9748.400	9.958	37.954	47.912	-26.088	74.000	54.000	PEAK
5		12185.600	11.480	37.526	49.007	-24.993	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.



Site : CB1	Time : 2011/11/08 - 11:20
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11b

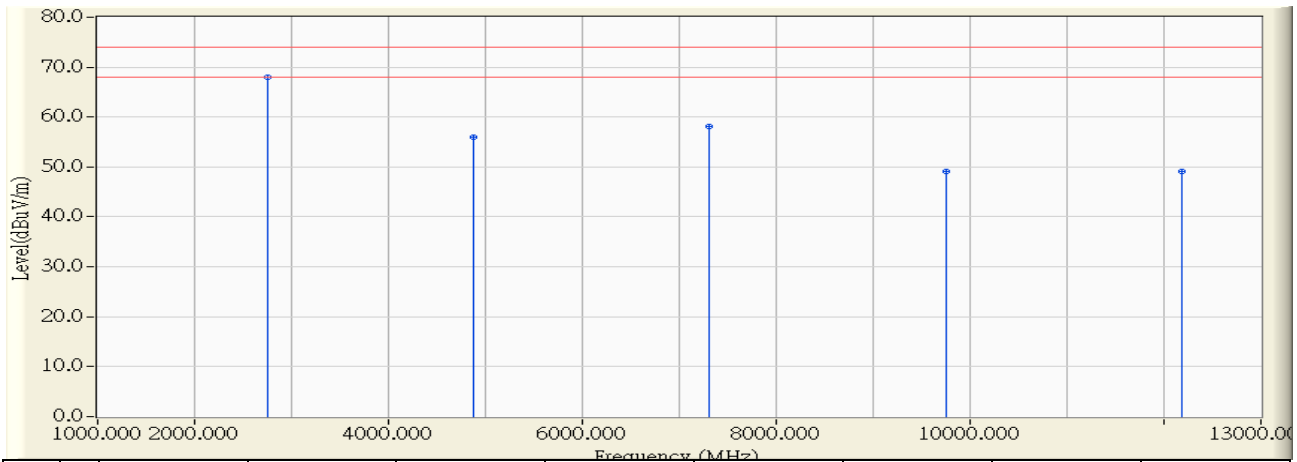


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2774.040	-3.644	46.854	43.211	-10.789	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 11:02
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11b

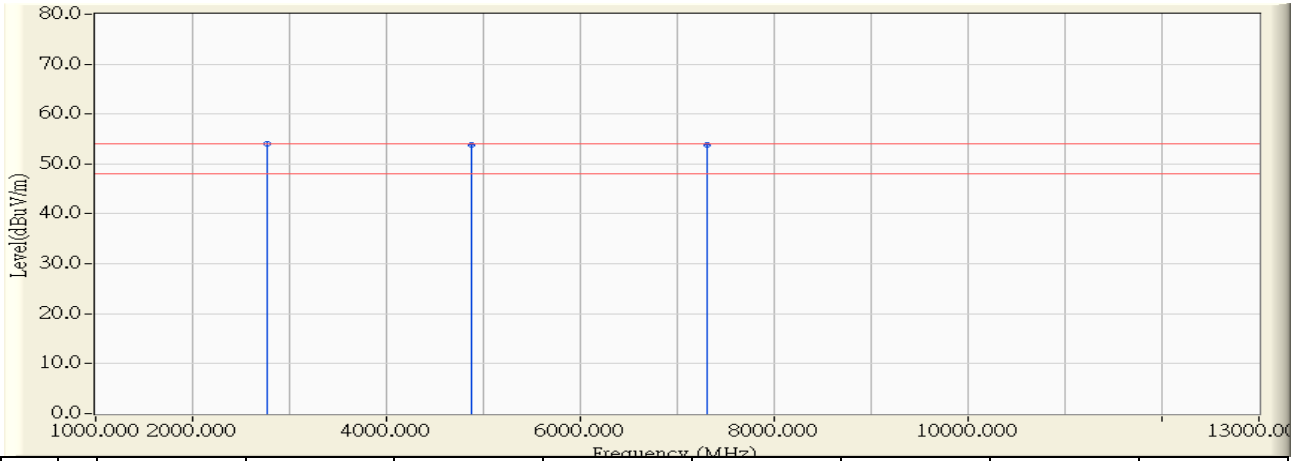


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2748.400	-3.577	71.465	67.889	-6.111	74.000	54.000	PEAK
2		4874.020	-0.672	56.585	55.913	-18.087	74.000	54.000	PEAK
3		7310.980	5.678	52.357	58.034	-15.966	74.000	54.000	PEAK
4		9747.960	9.955	39.106	49.061	-24.939	74.000	54.000	PEAK
5		12185.240	11.481	37.639	49.120	-24.880	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 11:02
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11b

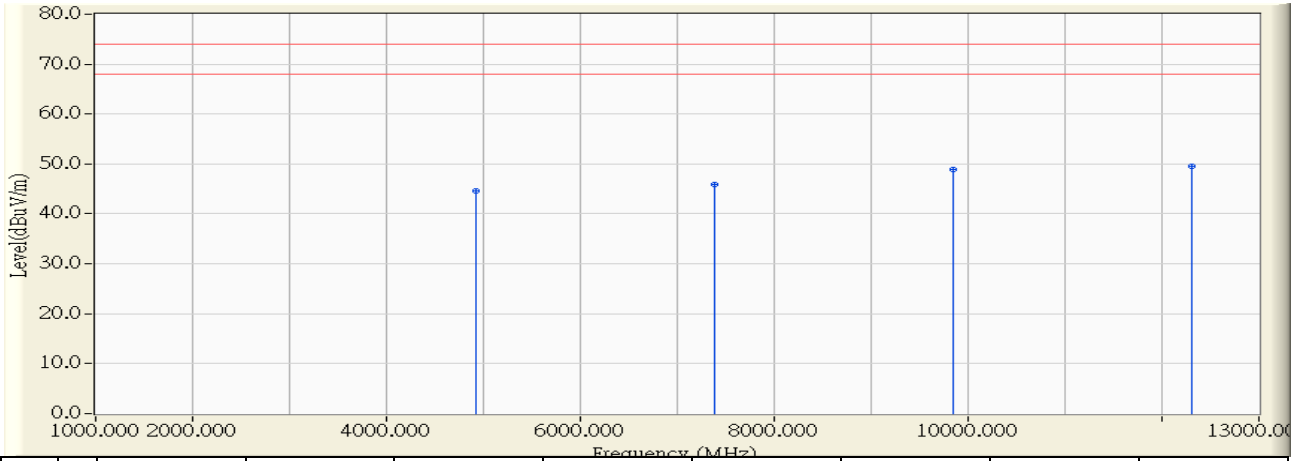


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2774.100	-3.644	57.590	53.947	-0.053	74.000	54.000	AVERAGE
2		4874.080	-0.672	54.579	53.907	-0.093	74.000	54.000	AVERAGE
3		7310.200	5.675	48.127	53.803	-0.197	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 11:46
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11b

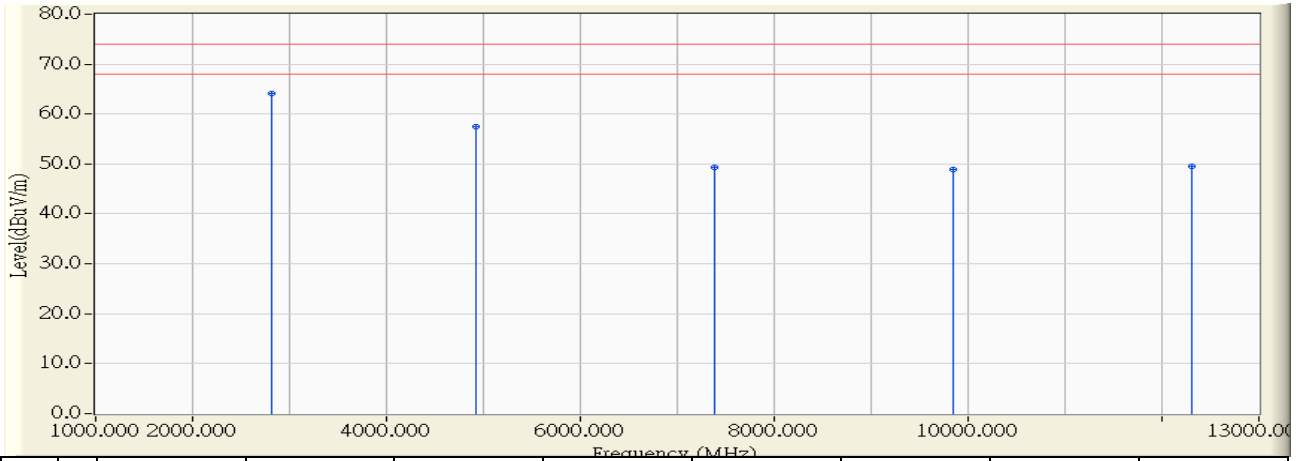


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4924.260	-0.540	45.082	44.542	-29.458	74.000	54.000	PEAK
2	7385.680	5.857	39.947	45.805	-28.195	74.000	54.000	PEAK
3	9848.600	10.685	38.259	48.944	-25.056	74.000	54.000	PEAK
4	* 12308.300	11.438	38.069	49.507	-24.493	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 11:22
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11b

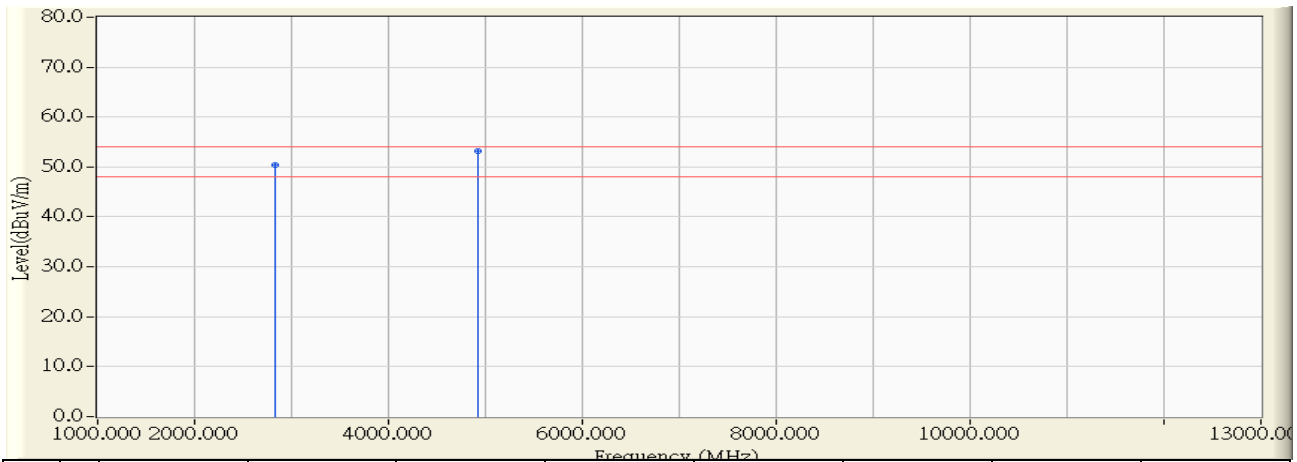


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2821.850	-3.768	67.997	64.228	-9.772	74.000	54.000	PEAK
2		4924.000	-0.541	57.958	57.417	-16.583	74.000	54.000	PEAK
3		7386.150	5.859	43.376	49.235	-24.765	74.000	54.000	PEAK
4		9849.950	10.695	38.123	48.817	-25.183	74.000	54.000	PEAK
5		12306.300	11.438	38.049	49.487	-24.513	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 11:25
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11b

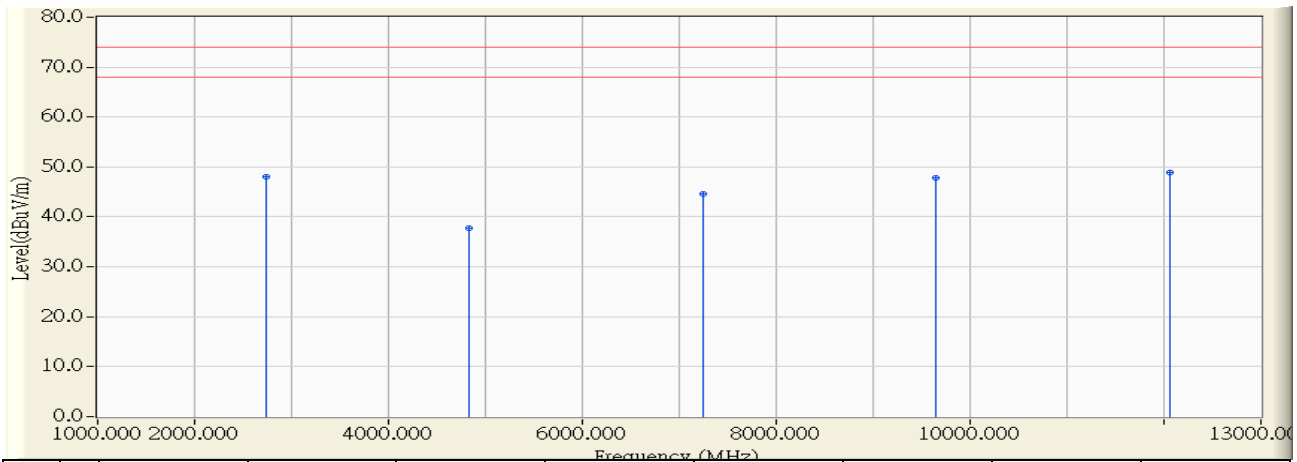


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2824.000	-3.775	54.144	50.369	-3.631	74.000	54.000	AVERAGE
2	* 4924.000	-0.541	53.767	53.226	-0.774	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 15:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11g

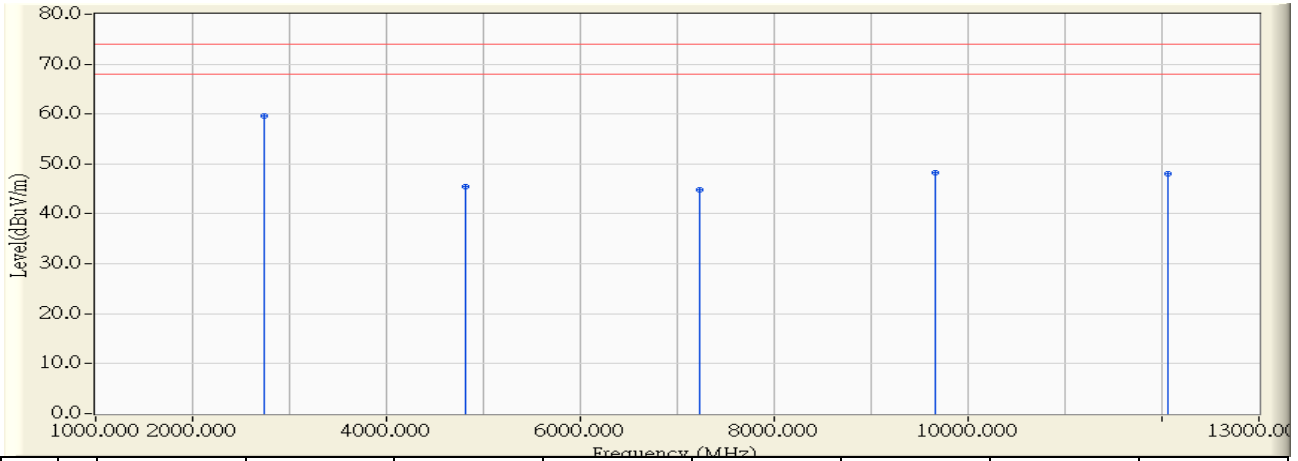


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2730.900	-3.530	51.606	48.076	-25.924	74.000	54.000	PEAK
2	4823.450	-0.804	38.515	37.710	-36.290	74.000	54.000	PEAK
3	7242.350	5.513	39.150	44.662	-29.338	74.000	54.000	PEAK
4	9647.700	9.228	38.652	47.880	-26.120	74.000	54.000	PEAK
5	* 12059.250	11.525	37.291	48.816	-25.184	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 15:00
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11g



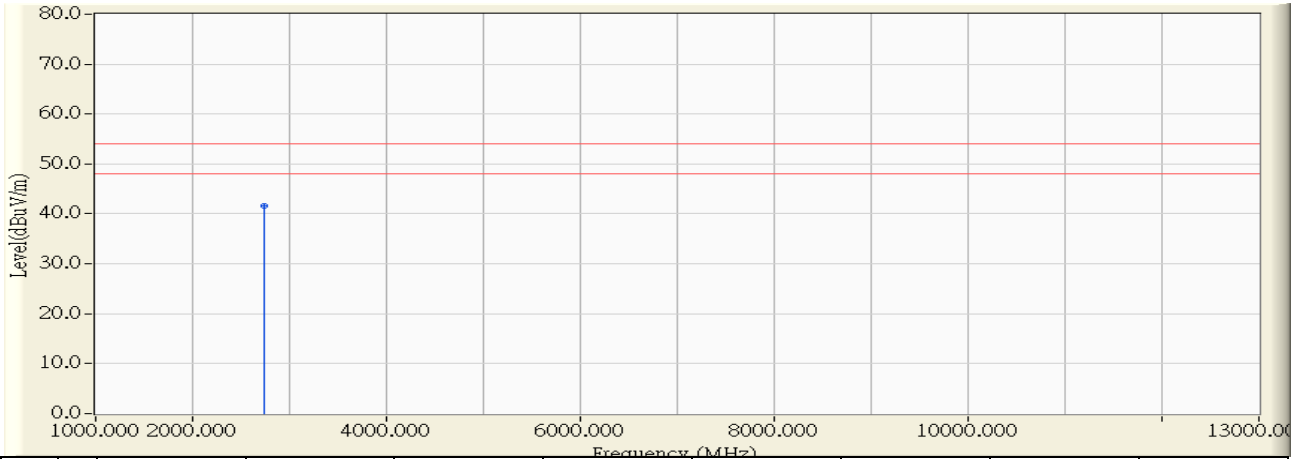
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2737.900	-3.549	63.216	59.668	-14.332	74.000	54.000	PEAK
2		4822.300	-0.808	46.370	45.562	-28.438	74.000	54.000	PEAK
3		7227.150	5.475	39.400	44.875	-29.125	74.000	54.000	PEAK
4		9654.400	9.277	39.001	48.278	-25.722	74.000	54.000	PEAK
5		12059.200	11.525	36.574	48.099	-25.901	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.



Site : CB1	Time : 2011/11/08 - 15:49
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11g

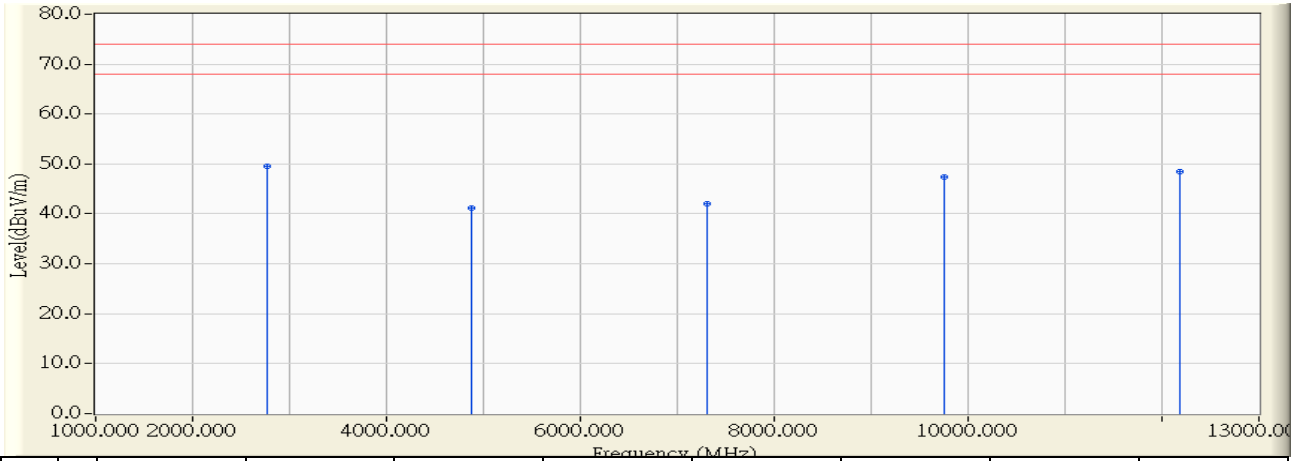


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2739.900	-3.554	45.146	41.592	-12.408	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 15:15
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11g

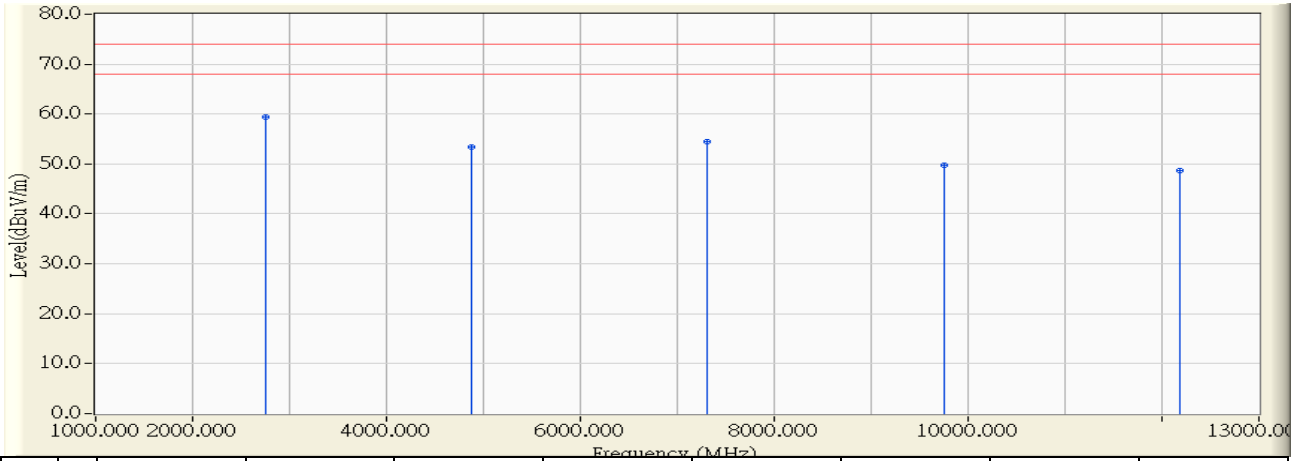


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2765.100	-3.619	53.261	49.641	-24.359	74.000	54.000	PEAK
2		4875.800	-0.668	41.950	41.283	-32.717	74.000	54.000	PEAK
3		7313.150	5.682	36.397	42.080	-31.920	74.000	54.000	PEAK
4		9747.600	9.953	37.422	47.375	-26.625	74.000	54.000	PEAK
5		12185.000	11.481	37.031	48.512	-25.488	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 15:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11g

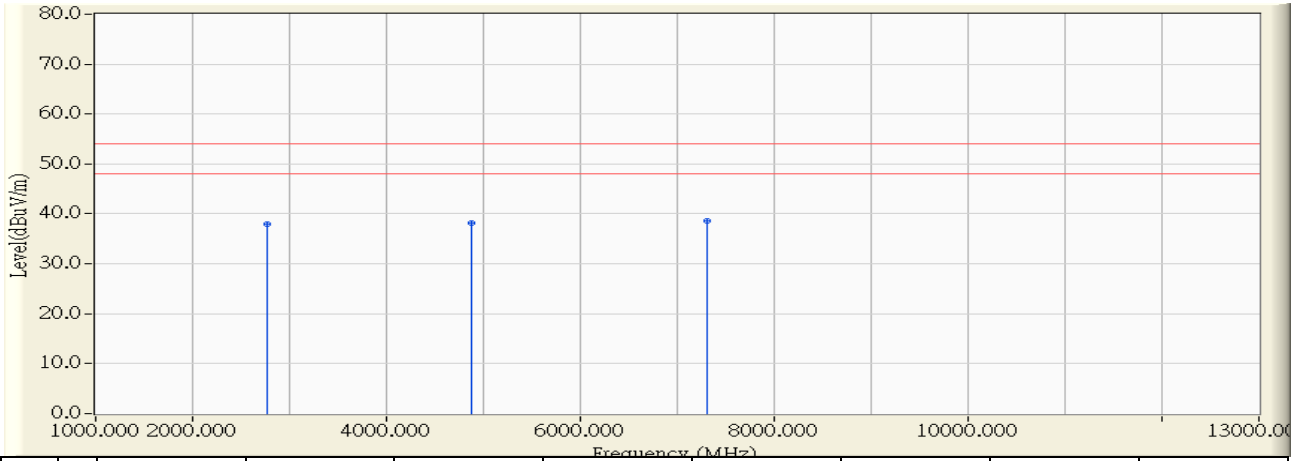


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2749.900	-3.580	63.094	59.514	-14.486	74.000	54.000	PEAK
2		4873.300	-0.673	54.176	53.502	-20.498	74.000	54.000	PEAK
3		7311.150	5.678	48.769	54.447	-19.553	74.000	54.000	PEAK
4		9759.500	10.039	39.625	49.664	-24.336	74.000	54.000	PEAK
5		12185.700	11.481	37.189	48.670	-25.330	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 15:07
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11g

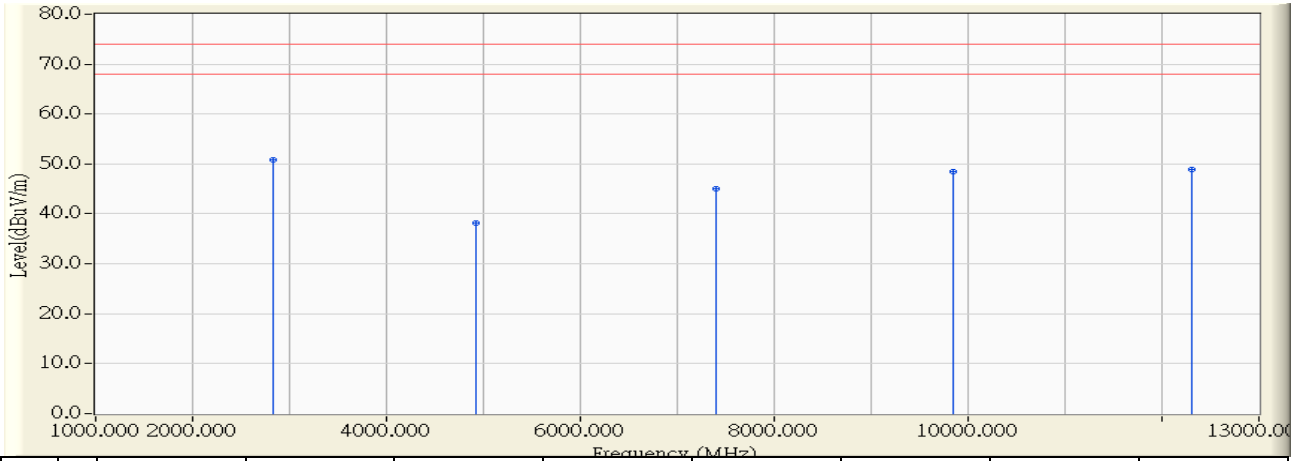


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2773.700	-3.643	41.590	37.948	-16.052	74.000	54.000	AVERAGE
2	4873.500	-0.673	38.834	38.161	-15.839	74.000	54.000	AVERAGE
3	* 7310.450	5.676	32.889	38.565	-15.435	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 15:25
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11g

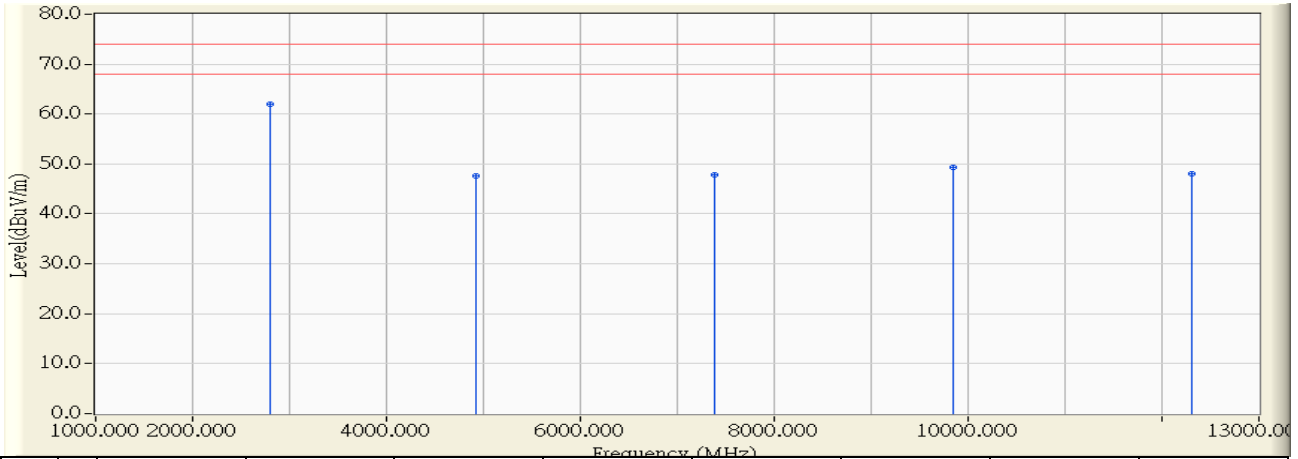


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2824.500	-3.776	54.611	50.835	-23.165	74.000	54.000	PEAK
2		4922.250	-0.546	38.757	38.212	-35.788	74.000	54.000	PEAK
3		7395.650	5.881	39.088	44.970	-29.030	74.000	54.000	PEAK
4		9846.700	10.671	37.788	48.459	-25.541	74.000	54.000	PEAK
5		12309.250	11.437	37.379	48.816	-25.184	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 15:21
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11g

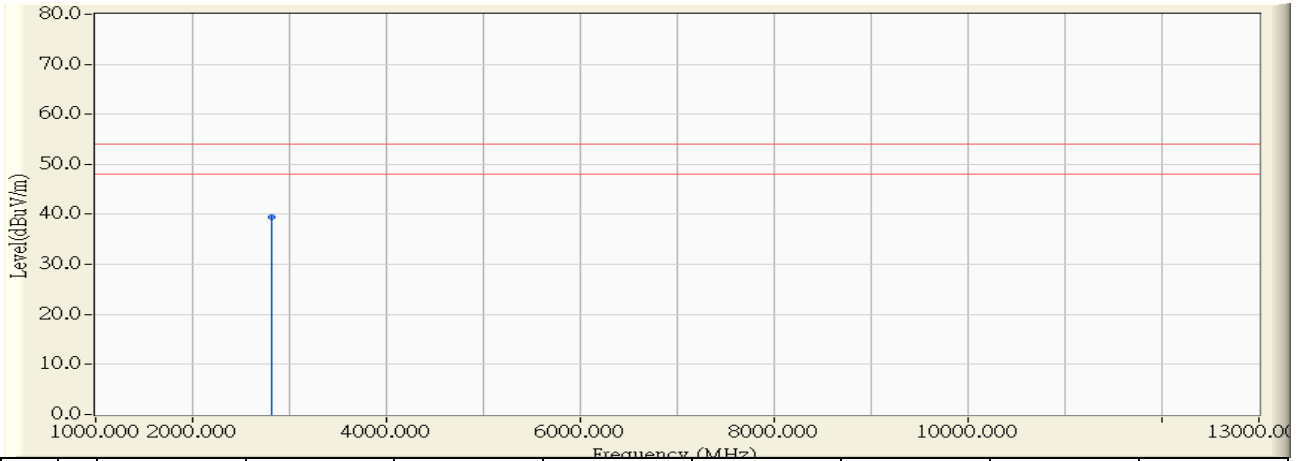


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2804.500	-3.723	65.717	61.994	-12.006	74.000	54.000	PEAK
2		4923.850	-0.541	48.215	47.674	-26.326	74.000	54.000	PEAK
3		7381.800	5.849	41.911	47.759	-26.241	74.000	54.000	PEAK
4		9849.650	10.692	38.682	49.374	-24.626	74.000	54.000	PEAK
5		12309.900	11.437	36.547	47.984	-26.016	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 15:35
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11g

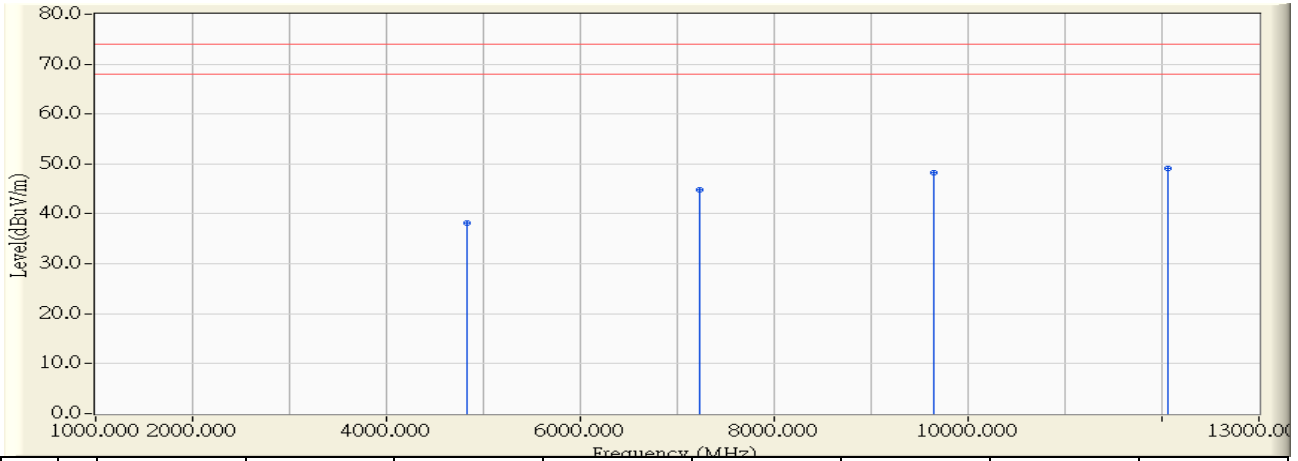


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2812.500	-3.744	43.315	39.571	-14.429	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 16:27
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11n(20MHz)



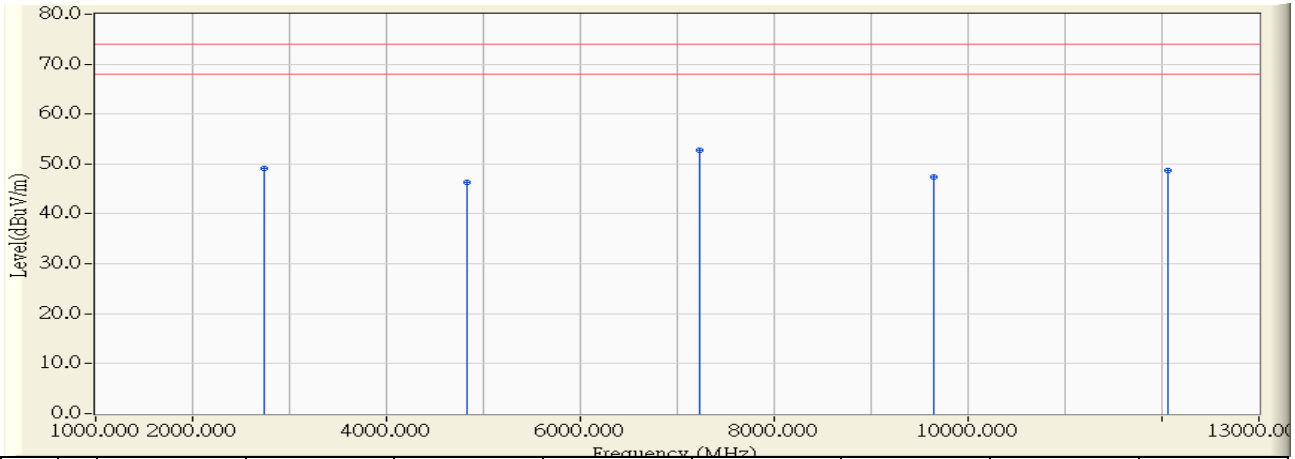
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4824.150	-0.803	38.873	38.070	-35.930	74.000	54.000	PEAK
2	7237.500	5.501	39.324	44.824	-29.176	74.000	54.000	PEAK
3	9651.800	9.259	38.925	48.183	-25.817	74.000	54.000	PEAK
4	* 12054.350	11.527	37.619	49.146	-24.854	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.



Site : CB1	Time : 2011/11/08 - 16:24
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11n(20MHz)

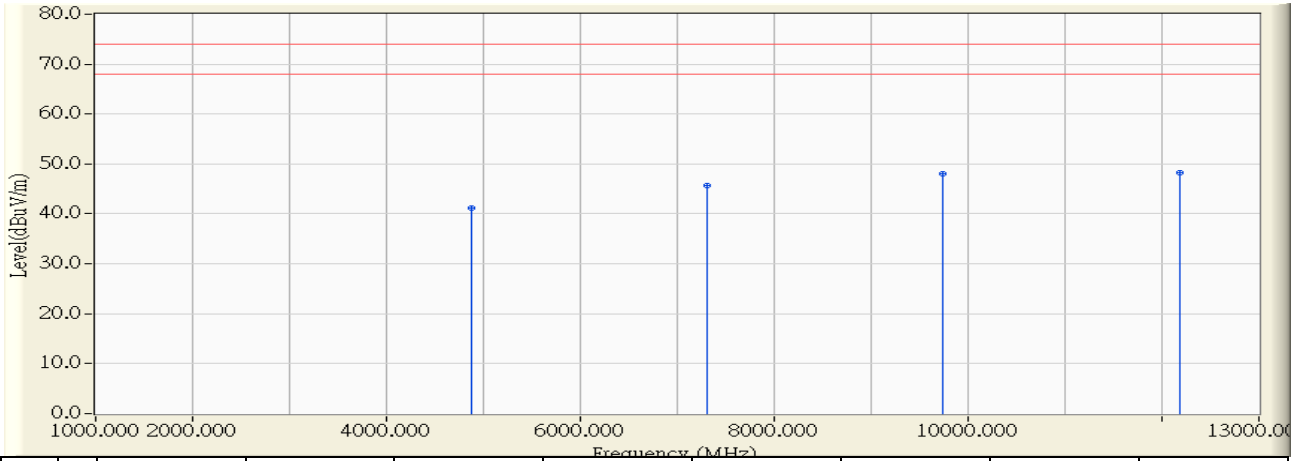


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2734.800	-3.540	52.708	49.168	-24.832	74.000	54.000	PEAK
2	4823.650	-0.803	47.202	46.398	-27.602	74.000	54.000	PEAK
3	* 7232.900	5.489	47.241	52.730	-21.270	74.000	54.000	PEAK
4	9650.400	9.247	38.210	47.458	-26.542	74.000	54.000	PEAK
5	12060.100	11.525	37.263	48.788	-25.212	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 16:43
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(20MHz)

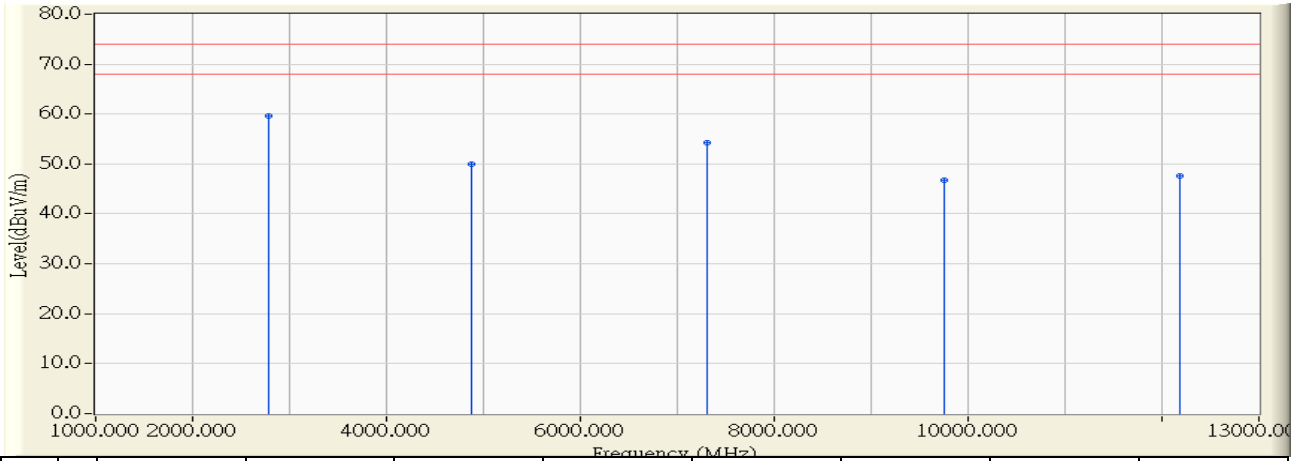


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4872.200	-0.677	41.824	41.147	-32.853	74.000	54.000	PEAK
2	7314.100	5.685	39.952	45.637	-28.363	74.000	54.000	PEAK
3	9741.600	9.910	38.039	47.948	-26.052	74.000	54.000	PEAK
4	* 12184.400	11.482	36.751	48.232	-25.768	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 16:32
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(20MHz)

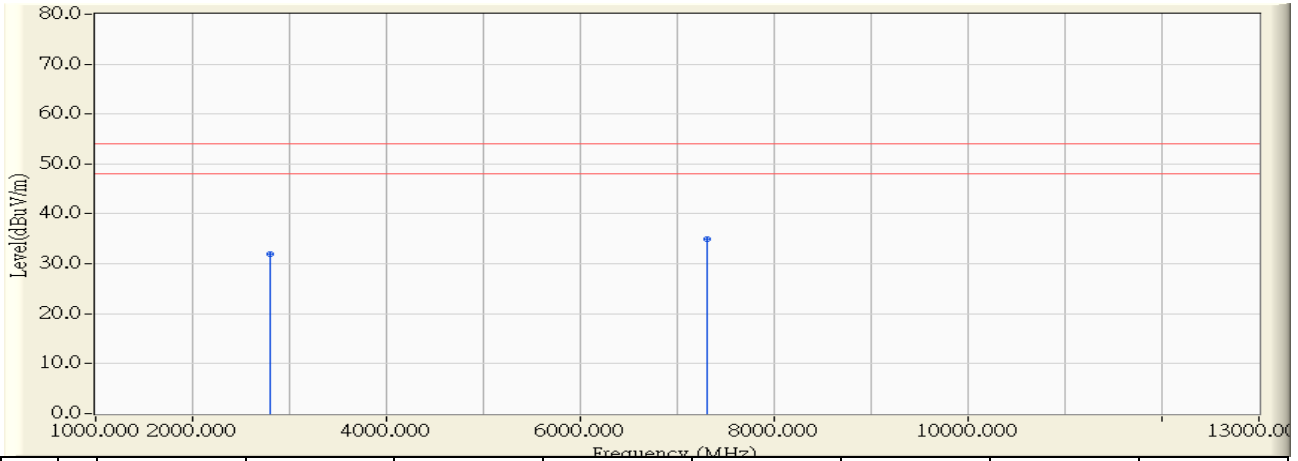


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2782.500	-3.667	63.226	59.560	-14.440	74.000	54.000	PEAK
2		4872.150	-0.677	50.627	49.950	-24.050	74.000	54.000	PEAK
3		7305.500	5.664	48.601	54.265	-19.735	74.000	54.000	PEAK
4		9746.300	9.944	36.915	46.858	-27.142	74.000	54.000	PEAK
5		12184.650	11.481	36.233	47.714	-26.286	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 16:33
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(20MHz)

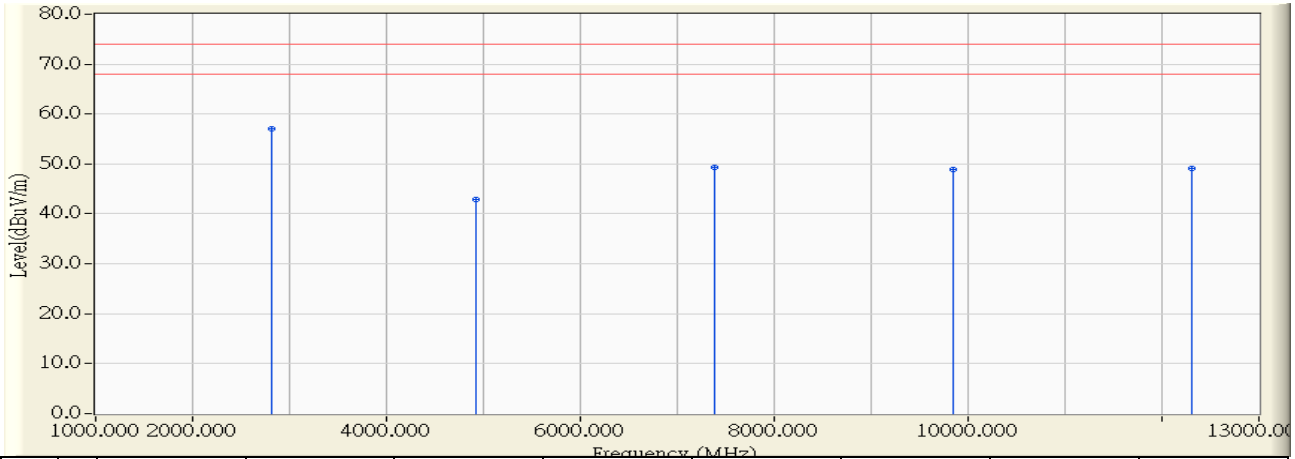


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2800.000	-3.712	35.586	31.874	-22.126	74.000	54.000	AVERAGE
2	* 7309.550	5.674	29.355	35.029	-18.971	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 16:56
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11n(20MHz)

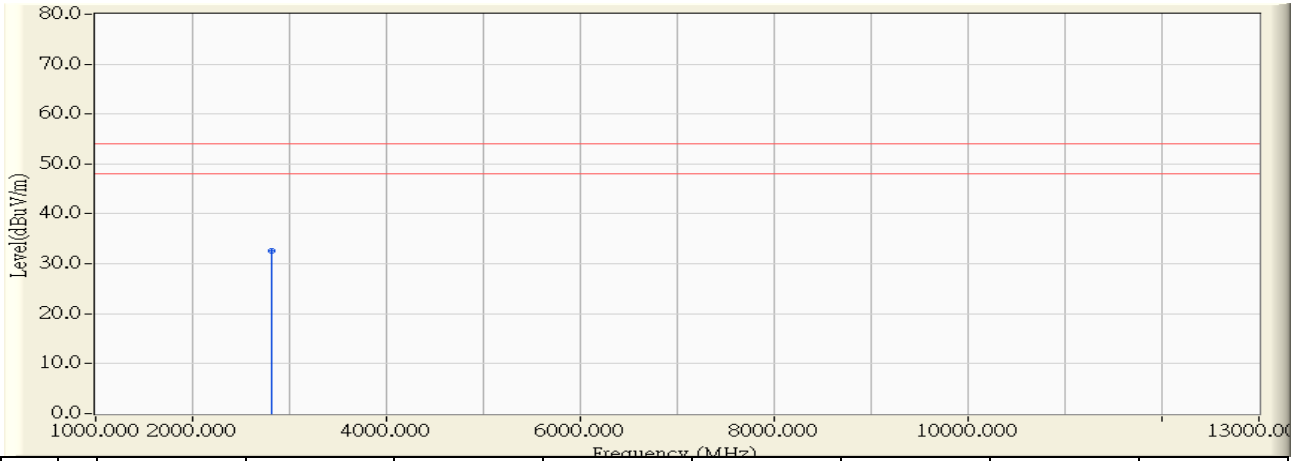


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2821.200	-3.767	60.764	56.997	-17.003	74.000	54.000	PEAK
2		4923.900	-0.541	43.543	43.002	-30.998	74.000	54.000	PEAK
3		7382.600	5.849	43.397	49.247	-24.753	74.000	54.000	PEAK
4		9844.600	10.656	38.345	49.001	-24.999	74.000	54.000	PEAK
5		12310.250	11.437	37.770	49.207	-24.793	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 16:57
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11n(20MHz)

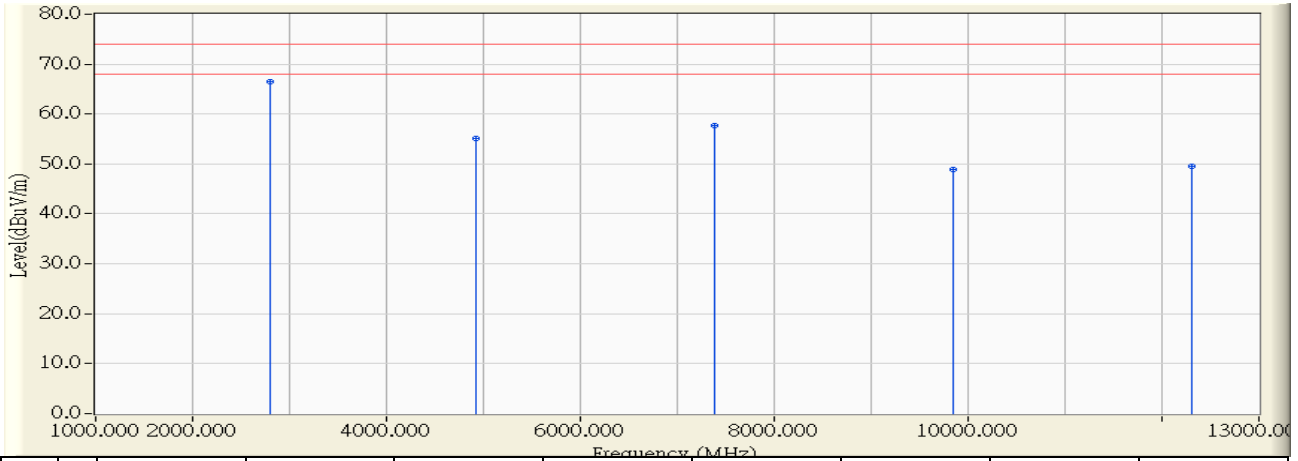


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2819.000	-3.762	36.332	32.570	-21.430	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 16:47
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11n(20MHz)

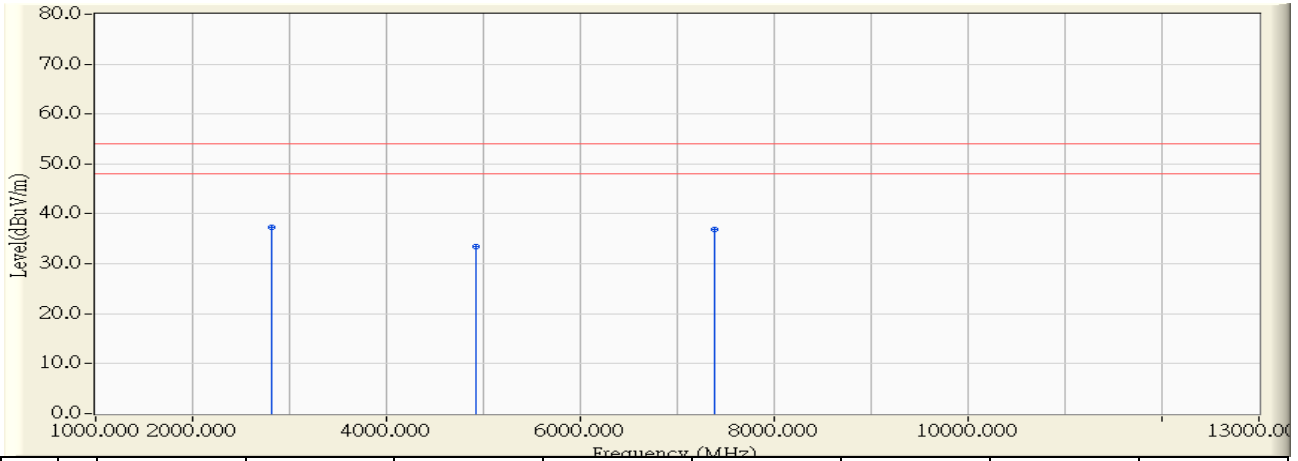


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2801.500	-3.715	70.114	66.399	-7.601	74.000	54.000	PEAK
2		4924.100	-0.541	55.592	55.052	-18.948	74.000	54.000	PEAK
3		7381.100	5.847	51.758	57.605	-16.395	74.000	54.000	PEAK
4		9848.400	10.682	38.214	48.897	-25.103	74.000	54.000	PEAK
5		12310.400	11.436	38.024	49.461	-24.539	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 16:48
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11n(20MHz)



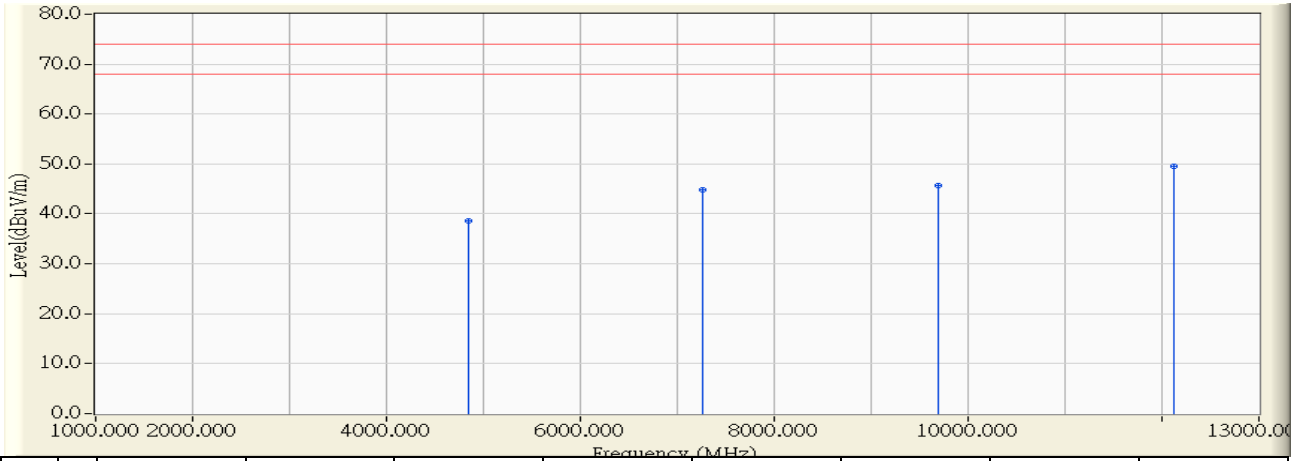
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2811.500	-3.741	41.013	37.271	-16.729	74.000	54.000	AVERAGE
2		4923.700	-0.541	33.938	33.397	-20.603	74.000	54.000	AVERAGE
3		7384.400	5.855	30.964	36.818	-17.182	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.



Site : CB1	Time : 2011/11/08 - 17:13
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2422MHz,802.11n(40MHz)

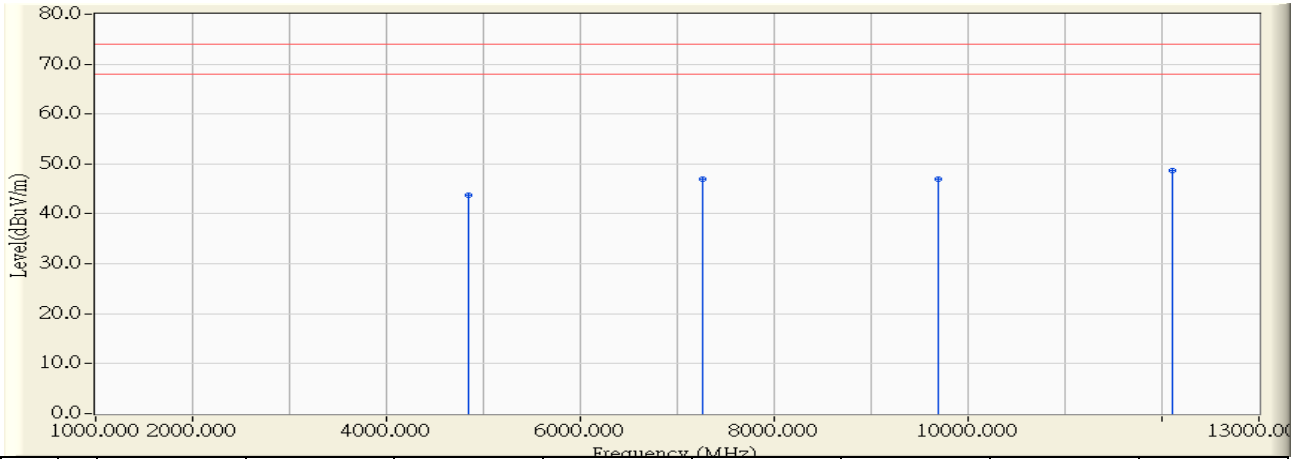


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4841.350	-0.758	39.298	38.540	-35.460	74.000	54.000	PEAK
2	7265.450	5.568	39.172	44.739	-29.261	74.000	54.000	PEAK
3	9687.100	9.515	36.170	45.684	-28.316	74.000	54.000	PEAK
4	* 12115.500	11.505	38.127	49.633	-24.367	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 17:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2422MHz,802.11n(40MHz)

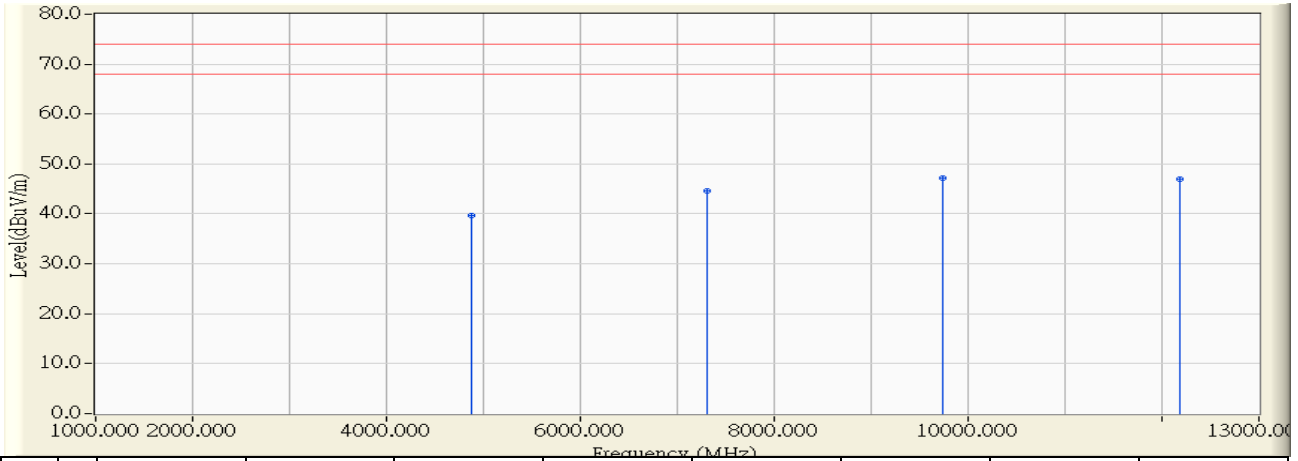


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4843.900	-0.751	44.574	43.823	-30.177	74.000	54.000	PEAK
2	7254.900	5.542	41.349	46.891	-27.109	74.000	54.000	PEAK
3	9689.900	9.534	37.443	46.977	-27.023	74.000	54.000	PEAK
4	* 12108.800	11.508	37.159	48.667	-25.333	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 17:24
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(40MHz)

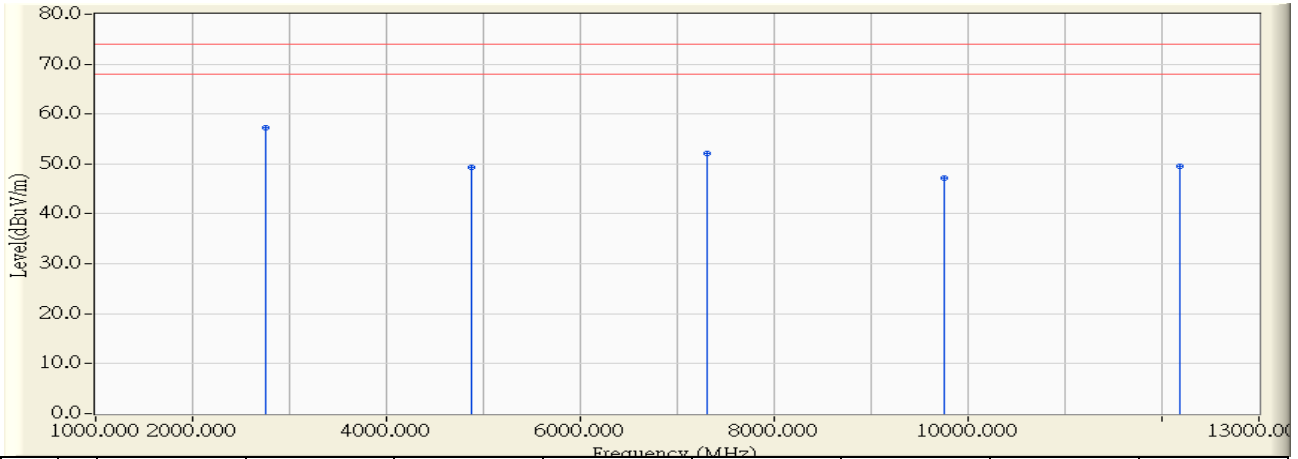


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4874.150	-0.672	40.272	39.600	-34.400	74.000	54.000	PEAK
2	7304.250	5.661	38.952	44.613	-29.387	74.000	54.000	PEAK
3	* 9745.750	9.939	37.192	47.131	-26.869	74.000	54.000	PEAK
4	12183.900	11.482	35.431	46.913	-27.087	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 17:16
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(40MHz)

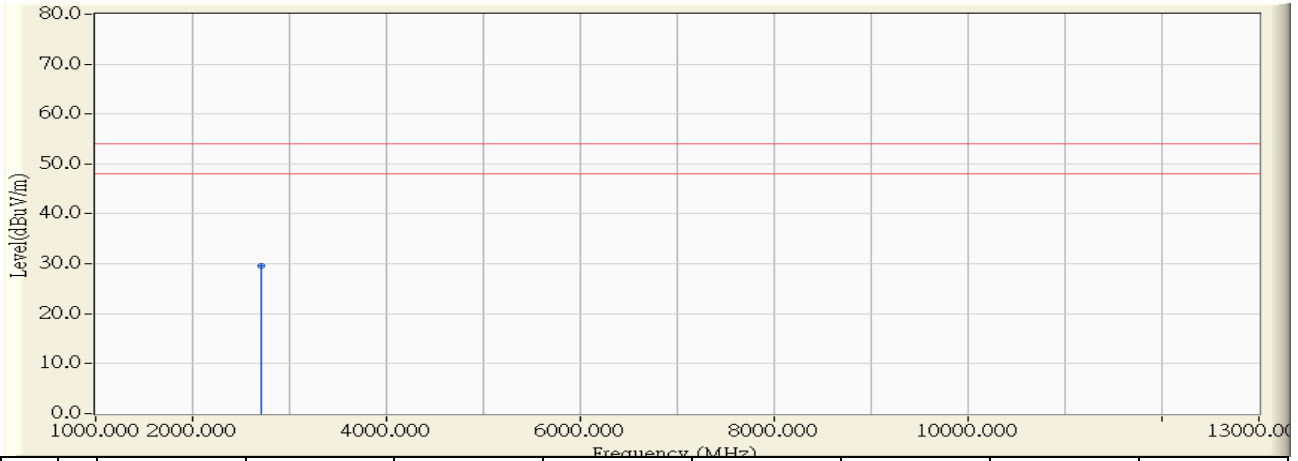


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2761.500	-3.610	60.882	57.272	-16.728	74.000	54.000	PEAK
2		4874.050	-0.672	49.927	49.255	-24.745	74.000	54.000	PEAK
3		7309.000	5.672	46.449	52.122	-21.878	74.000	54.000	PEAK
4		9747.400	9.951	37.312	47.263	-26.737	74.000	54.000	PEAK
5		12184.600	11.482	38.007	49.488	-24.512	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 17:18
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2437MHz,802.11n(40MHz)

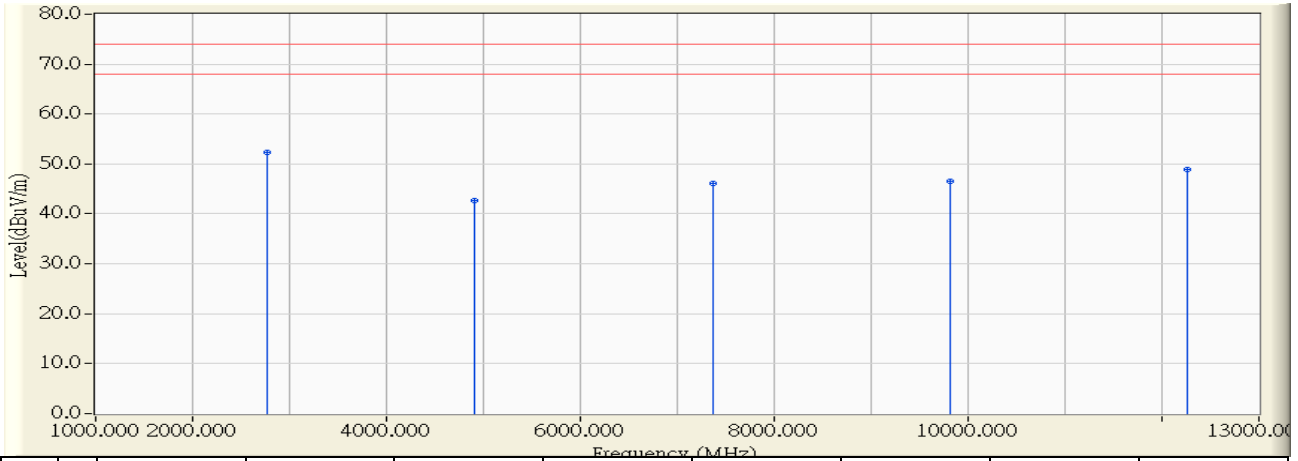


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2710.000	-3.475	32.986	29.511	-24.489	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 17:37
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2452MHz,802.11n(40MHz)

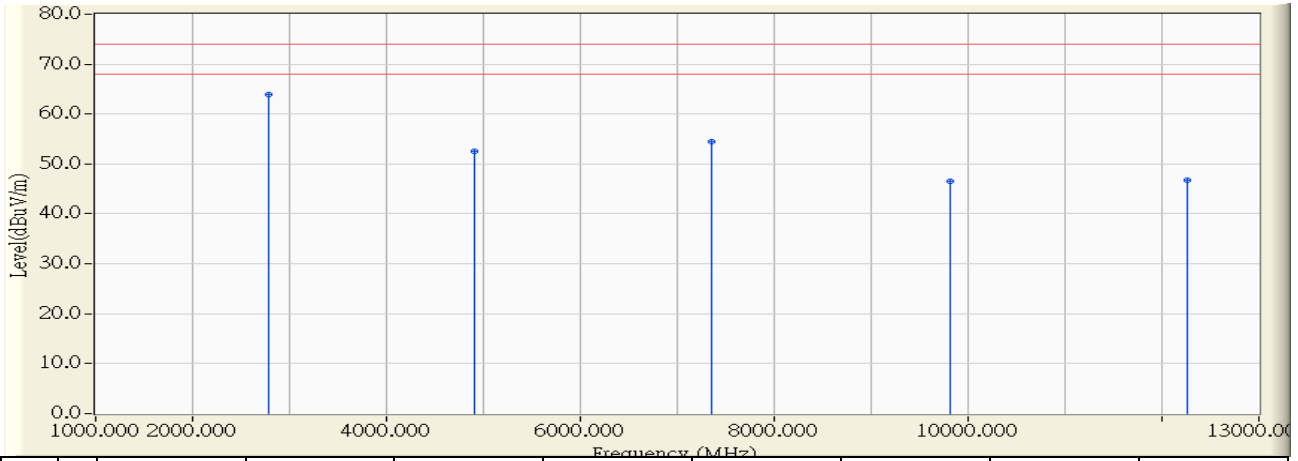


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2775.800	-3.648	55.926	52.278	-21.722	74.000	54.000	PEAK
2		4903.900	-0.593	43.269	42.676	-31.324	74.000	54.000	PEAK
3		7361.850	5.801	40.273	46.073	-27.927	74.000	54.000	PEAK
4		9808.600	10.395	36.049	46.444	-27.556	74.000	54.000	PEAK
5		12256.900	11.456	37.357	48.813	-25.187	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 17:27
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2452MHz,802.11n(40MHz)

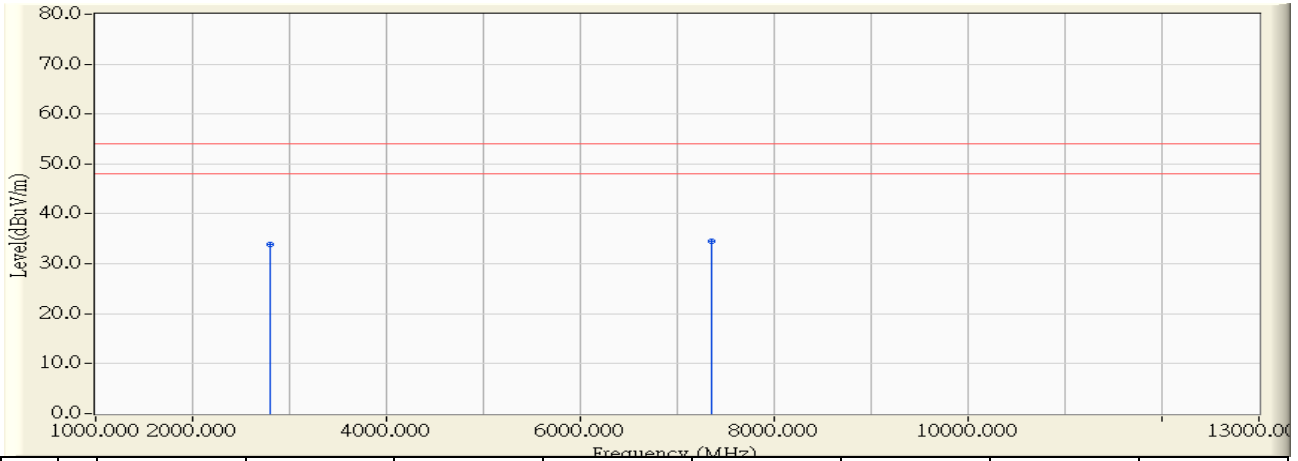


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2782.500	-3.667	67.625	63.959	-10.041	74.000	54.000	PEAK
2		4903.900	-0.593	53.142	52.549	-21.451	74.000	54.000	PEAK
3		7353.750	5.781	48.590	54.371	-19.629	74.000	54.000	PEAK
4		9808.400	10.392	36.082	46.475	-27.525	74.000	54.000	PEAK
5		12260.650	11.455	35.291	46.745	-27.255	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/08 - 17:28
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2452MHz,802.11n(40MHz)



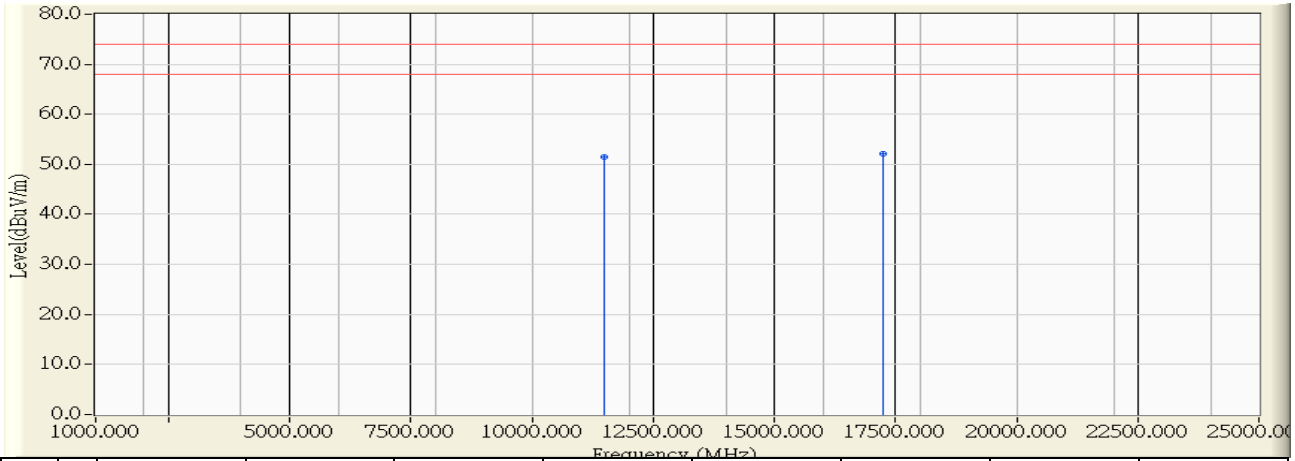
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2800.000	-3.712	37.659	33.947	-20.053	74.000	54.000	AVERAGE
2	* 7346.350	5.763	28.837	34.600	-19.400	74.000	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.



Site : CB1	Time : 2011/11/10 - 13:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5745MHz,802.11a

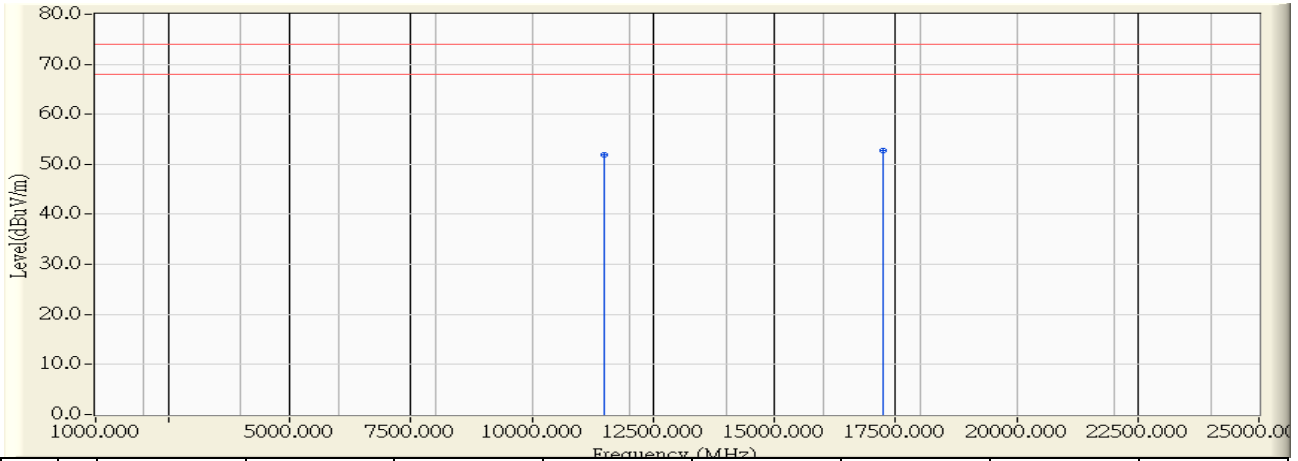


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11489.550	12.136	39.339	51.475	-22.525	74.000	54.000	PEAK
2	* 17233.400	15.734	36.342	52.076	-21.924	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:32
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5745MHz,802.11a

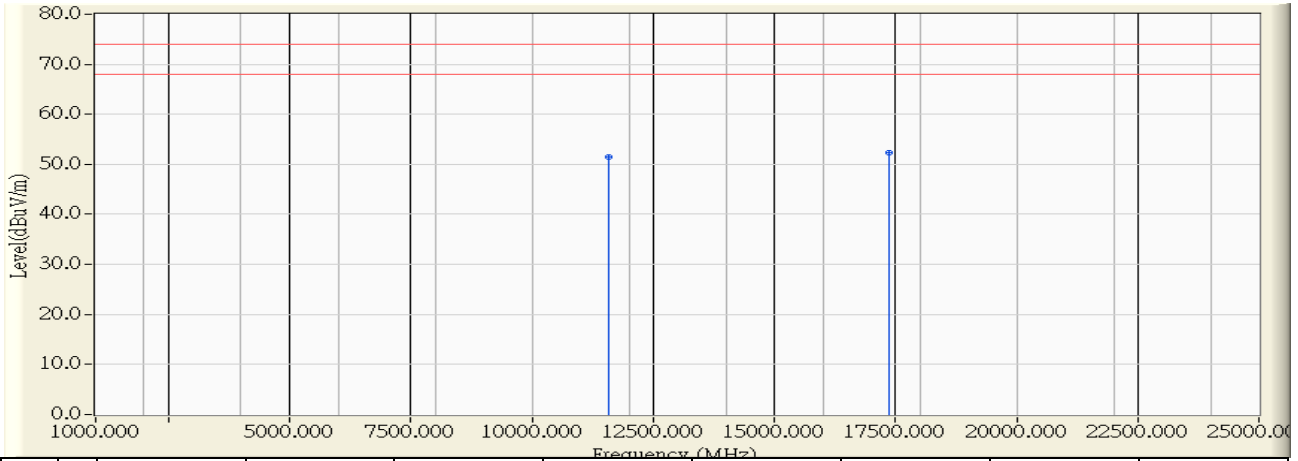


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11489.900	12.136	39.785	51.920	-22.080	74.000	54.000	PEAK
2	* 17235.650	15.743	37.114	52.857	-21.143	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:41
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5785MHz,802.11a

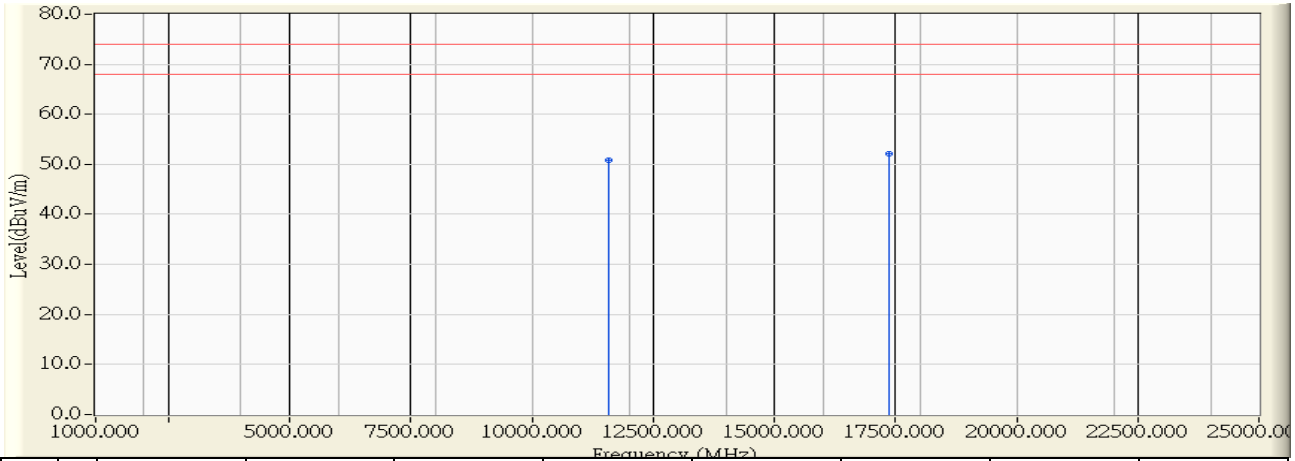


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11570.000	12.049	39.328	51.377	-22.623	74.000	54.000	PEAK
2	* 17354.250	16.225	36.165	52.390	-21.610	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:37
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5785MHz,802.11a

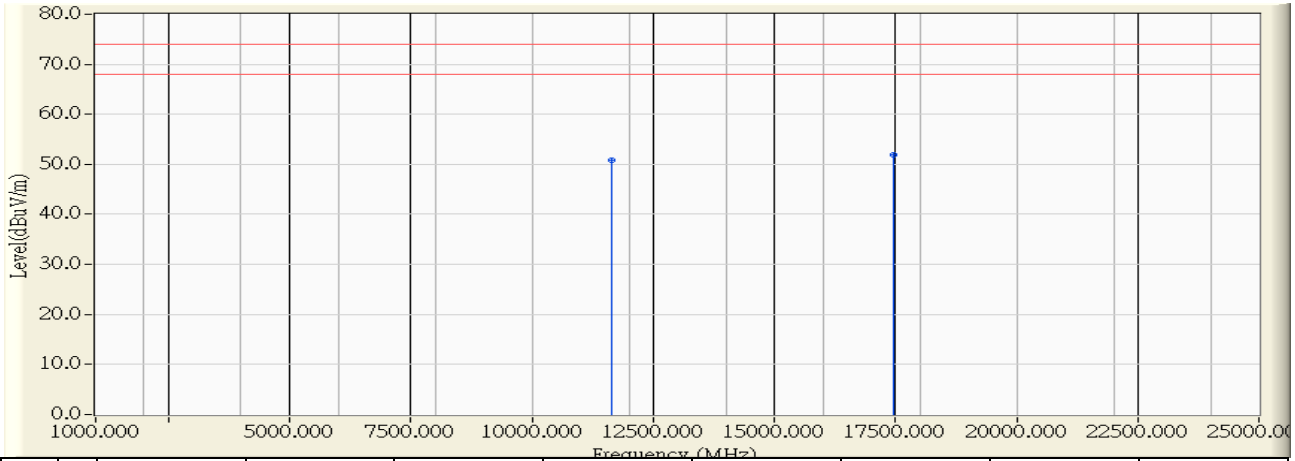


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11569.600	12.049	38.698	50.747	-23.253	74.000	54.000	PEAK
2	* 17359.650	16.248	35.960	52.207	-21.793	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:49
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5825MHz,802.11a

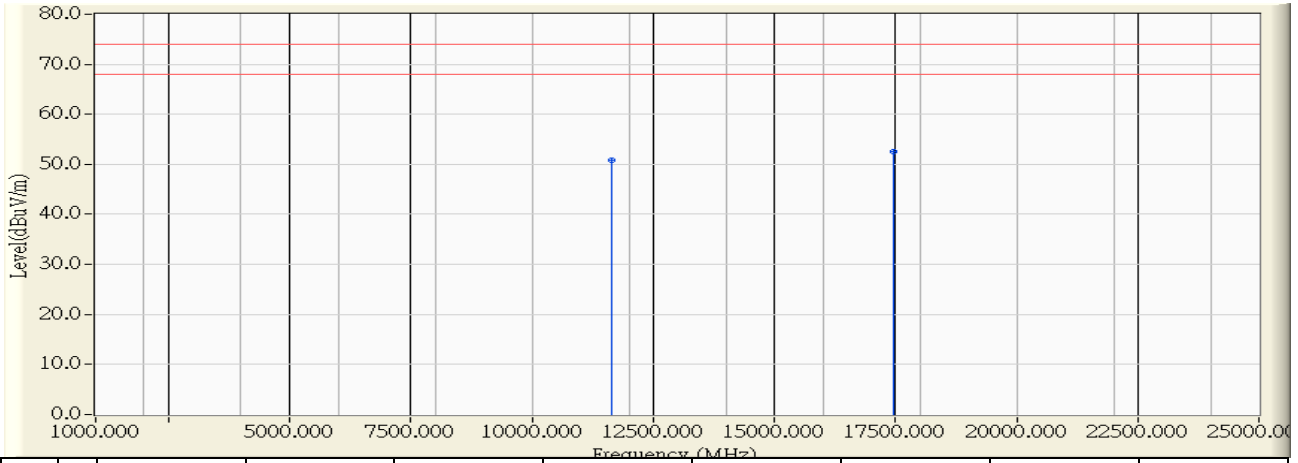


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11650.450	11.956	38.770	50.725	-23.275	74.000	54.000	PEAK
2	* 17474.750	16.715	35.202	51.917	-22.083	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:45
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5825MHz,802.11a

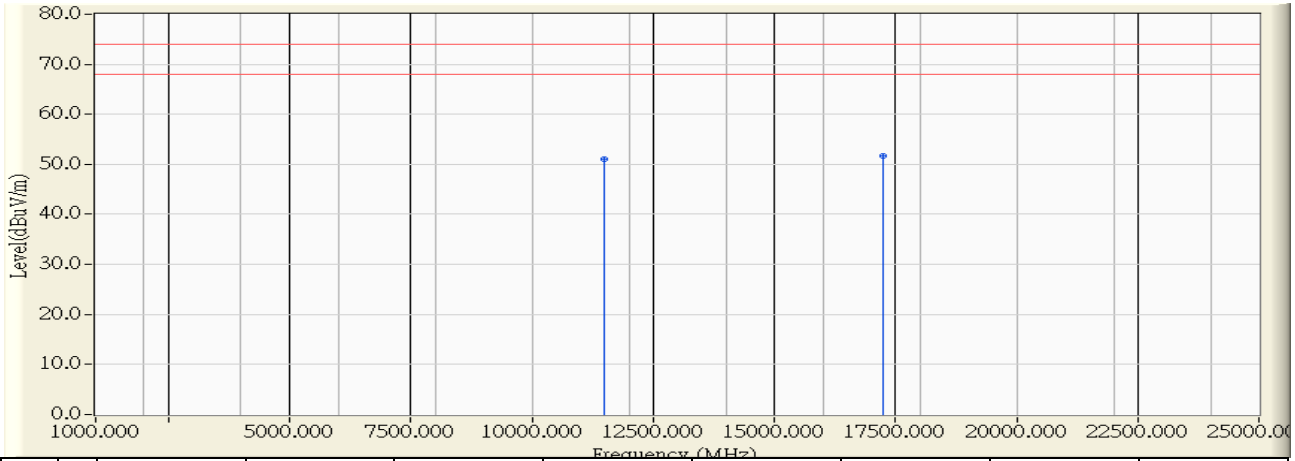


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11650.400	11.956	38.963	50.918	-23.082	74.000	54.000	PEAK
2	* 17475.350	16.717	35.868	52.586	-21.414	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:54
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5745MHz,802.11n(20MHz)

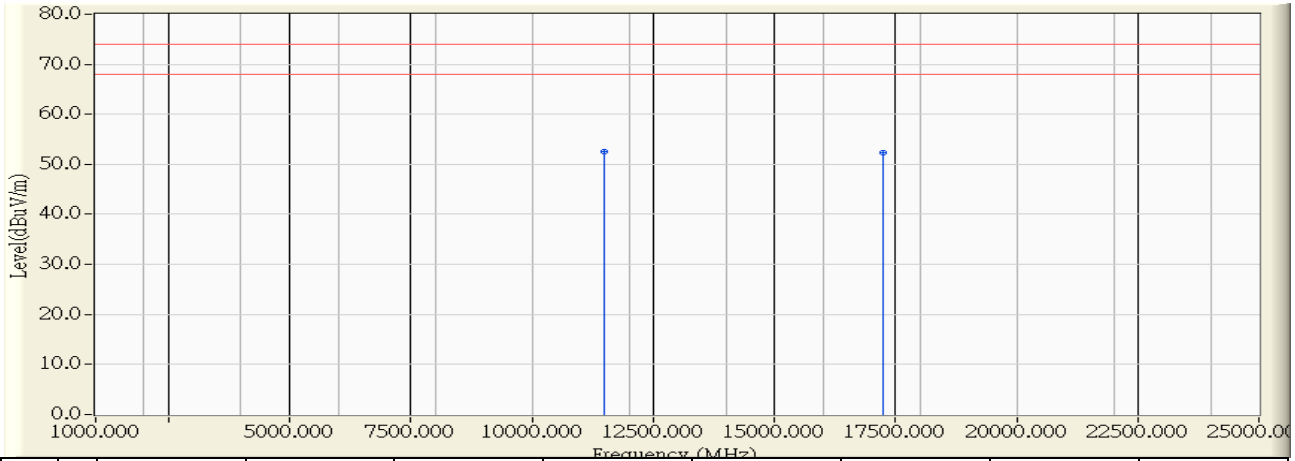


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11489.250	12.137	38.828	50.964	-23.036	74.000	54.000	PEAK
2	* 17234.450	15.738	36.050	51.788	-22.212	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:54
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5745MHz,802.11n(20MHz)



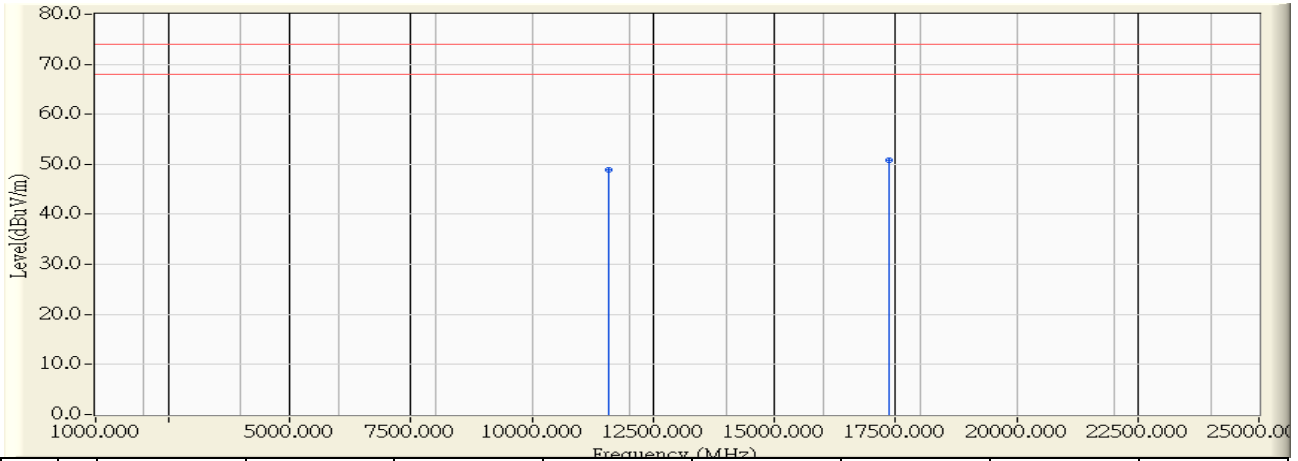
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	11489.850	12.136	40.328	52.463	-21.537	74.000	54.000	PEAK
2		17235.500	15.742	36.484	52.226	-21.774	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.



Site : CB1	Time : 2011/11/10 - 13:56
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5785MHz,802.11n(20MHz)

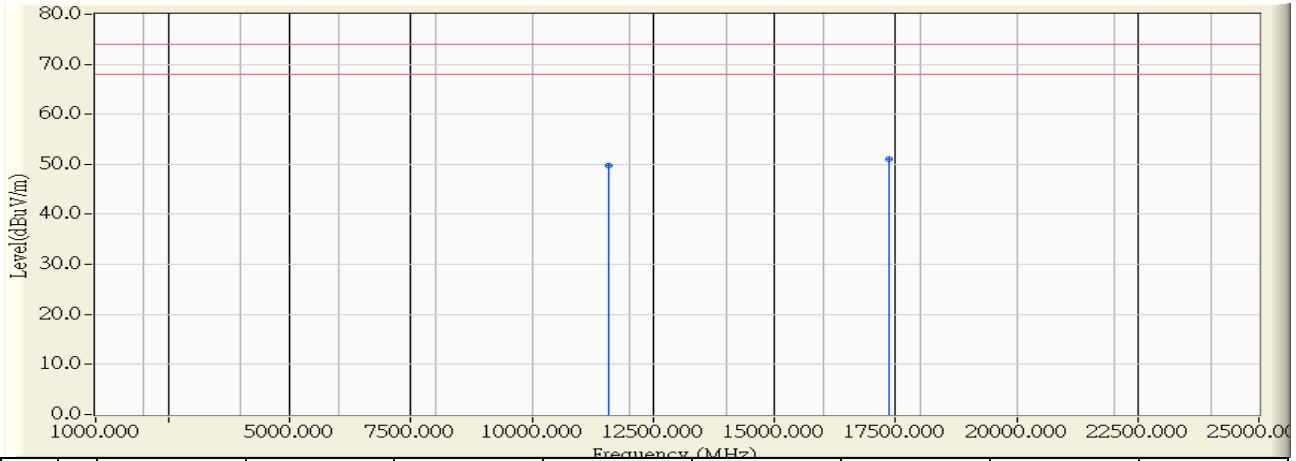


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11569.650	12.049	36.906	48.955	-25.045	74.000	54.000	PEAK
2	* 17354.900	16.228	34.506	50.734	-23.266	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:55
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5785MHz,802.11n(20MHz)

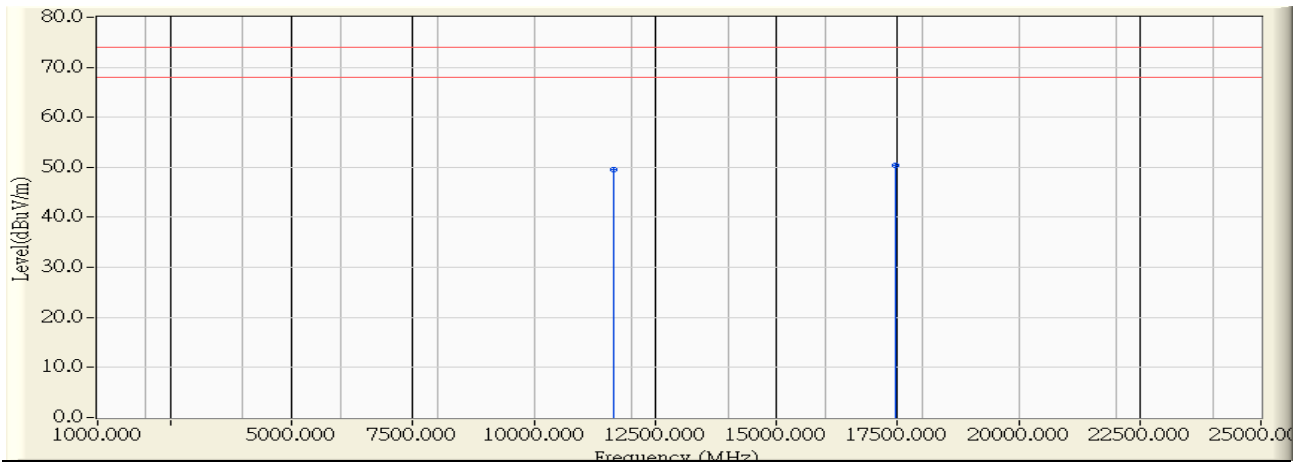


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11570.550	12.048	37.760	49.808	-24.192	74.000	54.000	PEAK
2	* 17355.300	16.229	34.769	50.998	-23.002	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:57
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5825MHz,802.11n(20MHz)

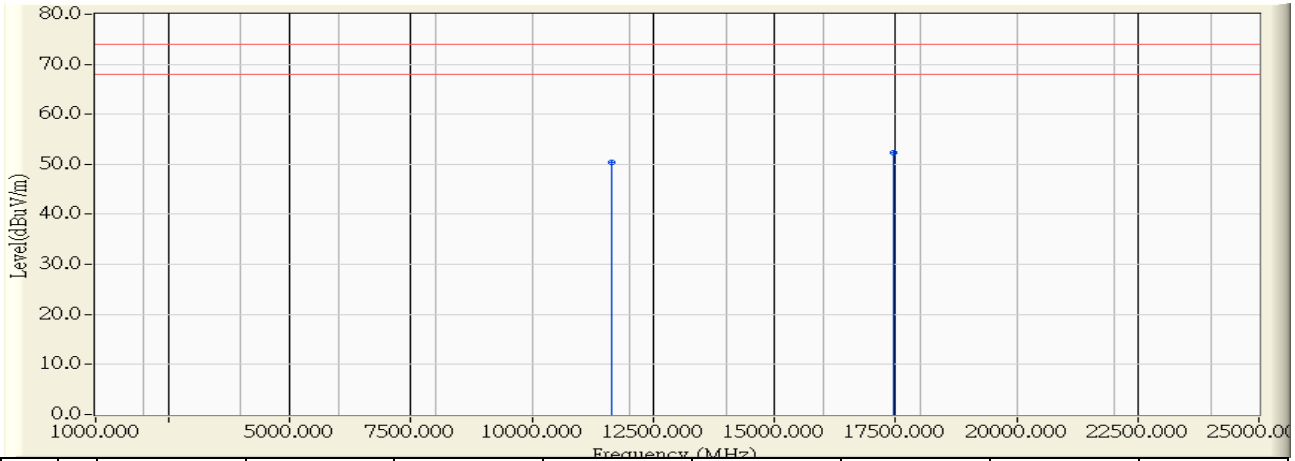


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11649.200	11.957	37.507	49.464	-24.536	74.000	54.000	PEAK
2	* 17474.150	16.712	33.700	50.413	-23.587	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:57
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5825MHz,802.11n(20MHz)

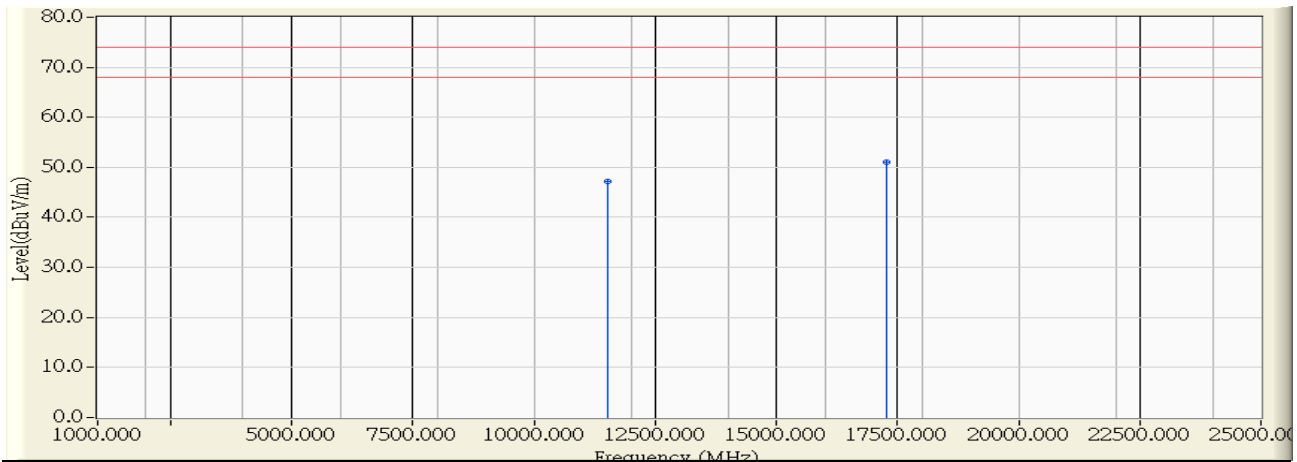


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11650.000	11.956	38.410	50.366	-23.634	74.000	54.000	PEAK
2	* 17475.150	16.717	35.708	52.425	-21.575	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 14:00
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5755MHz,802.11n(40MHz)

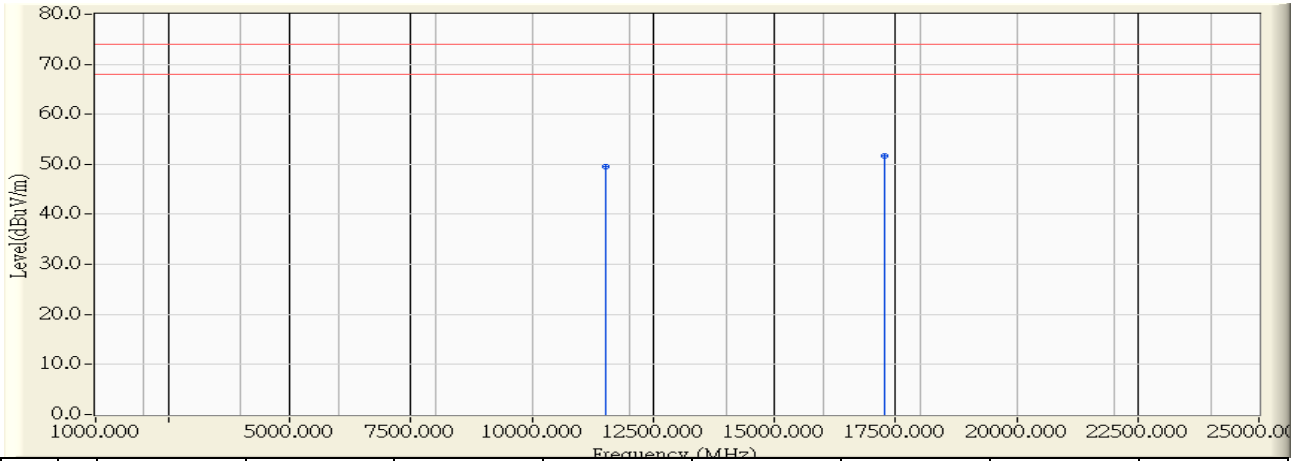


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11510.600	12.117	35.037	47.154	-26.846	74.000	54.000	PEAK
2	* 17265.100	15.862	35.221	51.084	-22.916	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 13:59
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5755MHz,802.11n(40MHz)

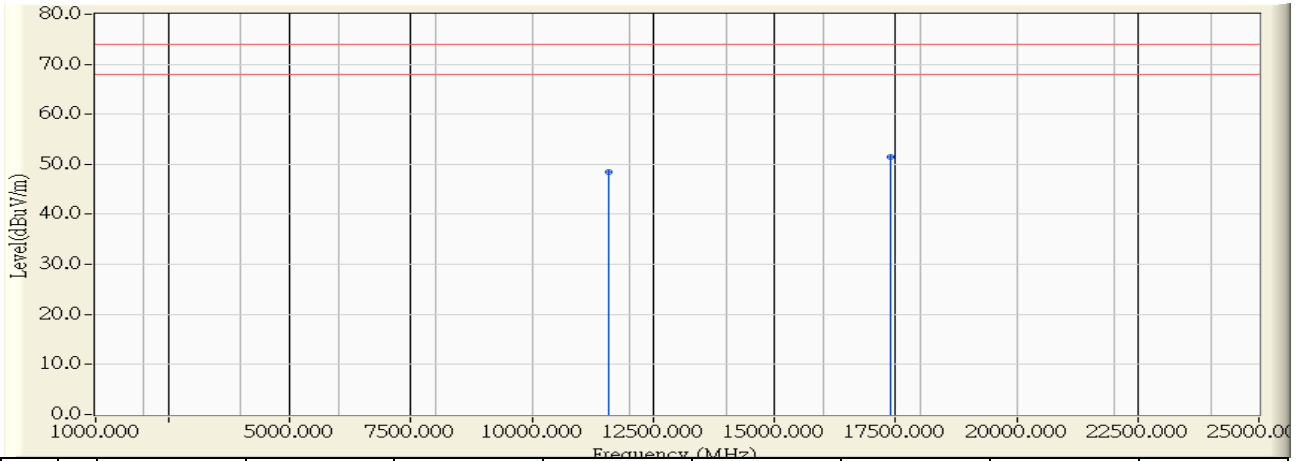


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11509.750	12.118	37.476	49.595	-24.405	74.000	54.000	PEAK
2	* 17264.900	15.862	35.723	51.585	-22.415	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 14:02
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5795MHz,802.11n(40MHz)

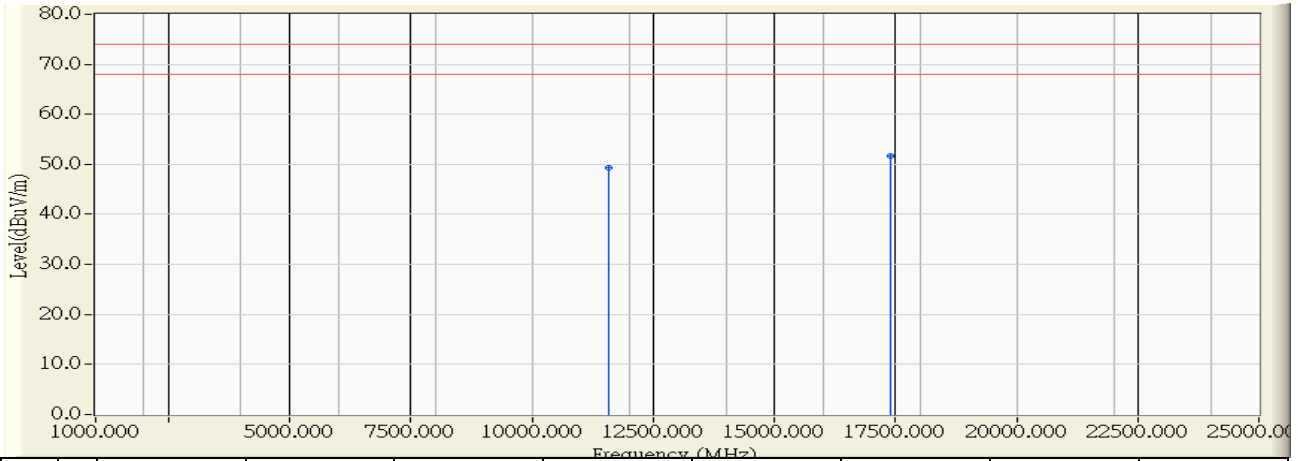


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11590.350	12.025	36.439	48.464	-25.536	74.000	54.000	PEAK
2	* 17385.850	16.354	35.226	51.580	-22.420	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/11/10 - 14:01
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-5795MHz,802.11n(40MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	11588.900	12.026	37.273	49.300	-24.700	74.000	54.000	PEAK
2	* 17386.400	16.356	35.231	51.587	-22.413	74.000	54.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.



**5. RF antenna conducted test**

**5.1. Test Equipment**

The following test equipments are used during the test:

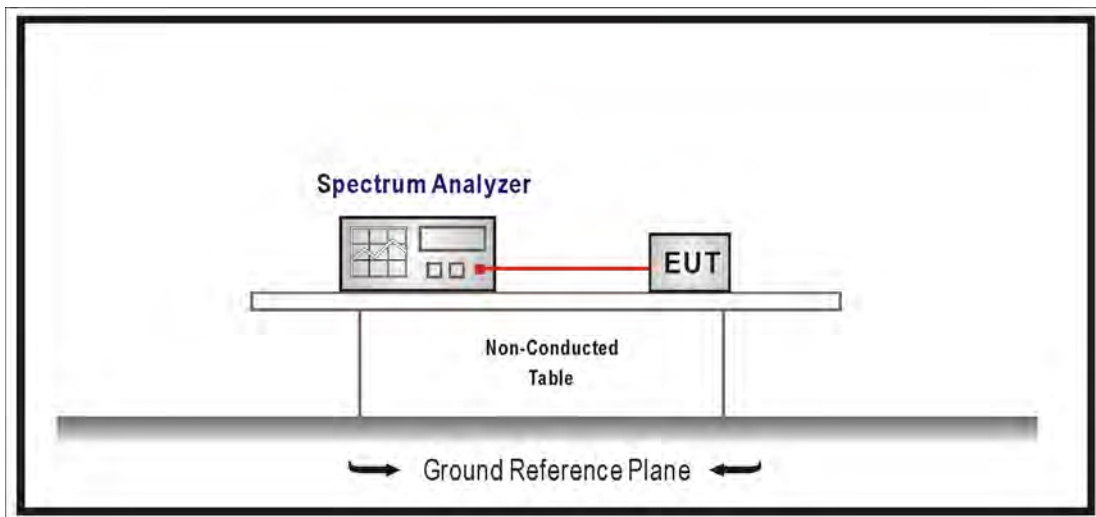
**RF antenna conducted test / SR7**

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

**5.2. Test Setup**

RF Antenna Conducted Measurement:



### 5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

### 5.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

### 5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

### 5.6. Uncertainty

Conducted is defined as  $\pm 1.27$ dB

5.7. Test Result

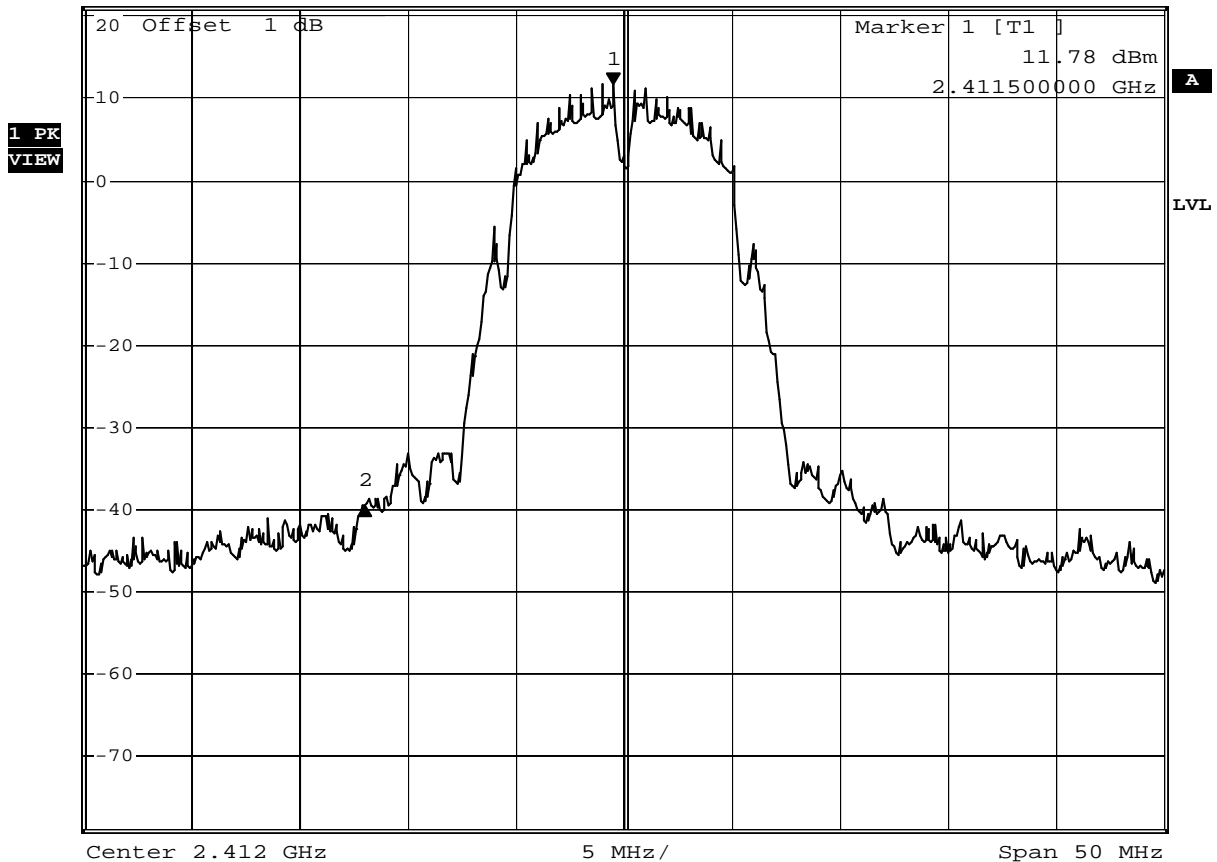
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11b, Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	51.15	≥20	Pass
11	2462	56.10	≥20	Pass

Channel 01 (2412MHz)



\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -51.15 dB  
 Ref 21 dBm \*Att 30 dB \*SWT 100 ms -11.50000000 MHz



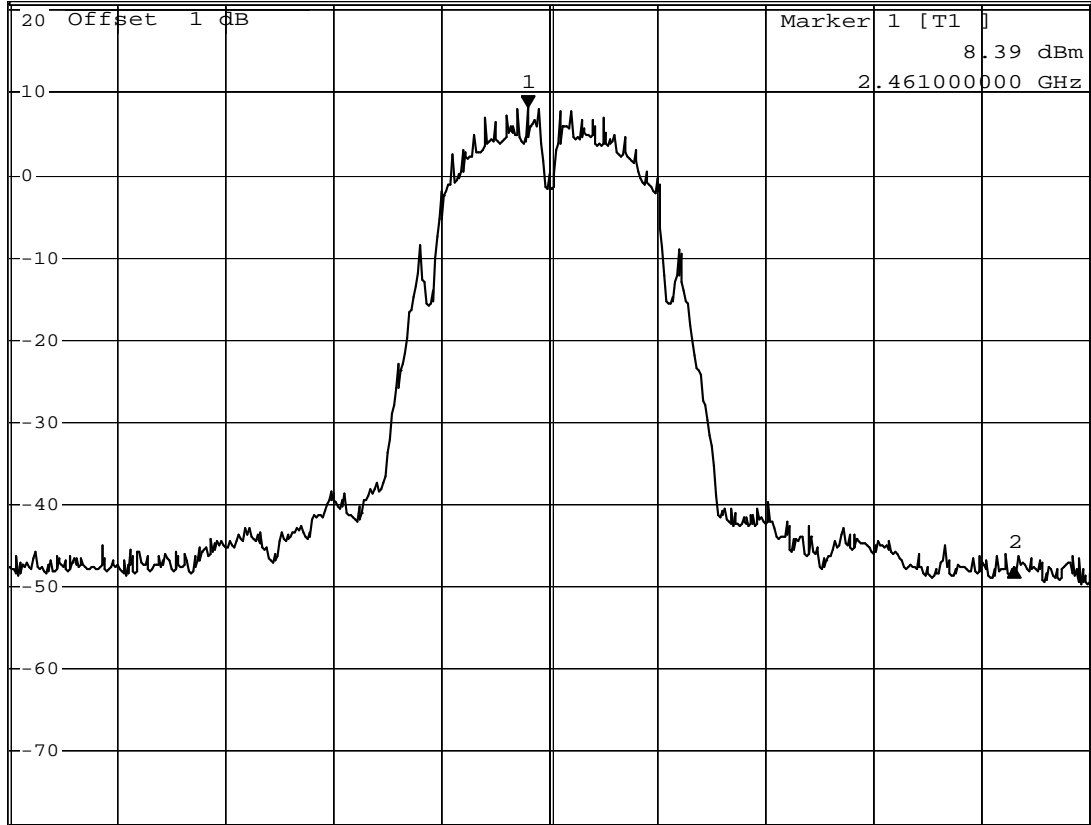
Date: 12.NOV.2011 10:10:22

Channel 11 (2462MHz)



\*RBW 100 kHz Delta 2 [T1 ]  
\*VBW 100 kHz -56.10 dB  
\*SWT 100 ms 22.50000000 MHz

Ref 21 dBm \*Att 30 dB



Date: 12.NOV.2011 10:11:49

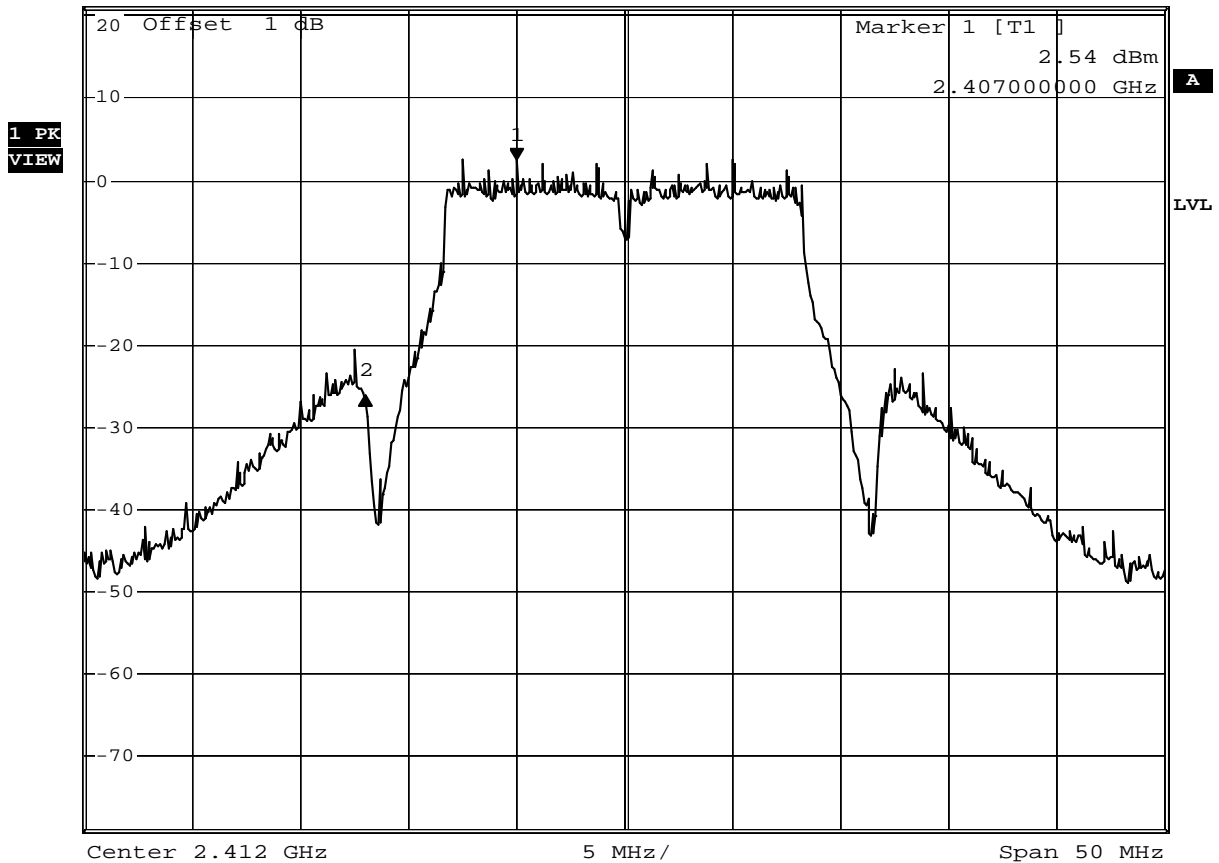
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11g, Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	28.75	≥20	Pass
11	2462	47.73	≥20	Pass

### Channel 01 (2412MHz)



\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -28.75 dB  
 Ref 21 dBm \*Att 30 dB \*SWT 100 ms -7.000000000 MHz



Date: 12.NOV.2011 10:13:32

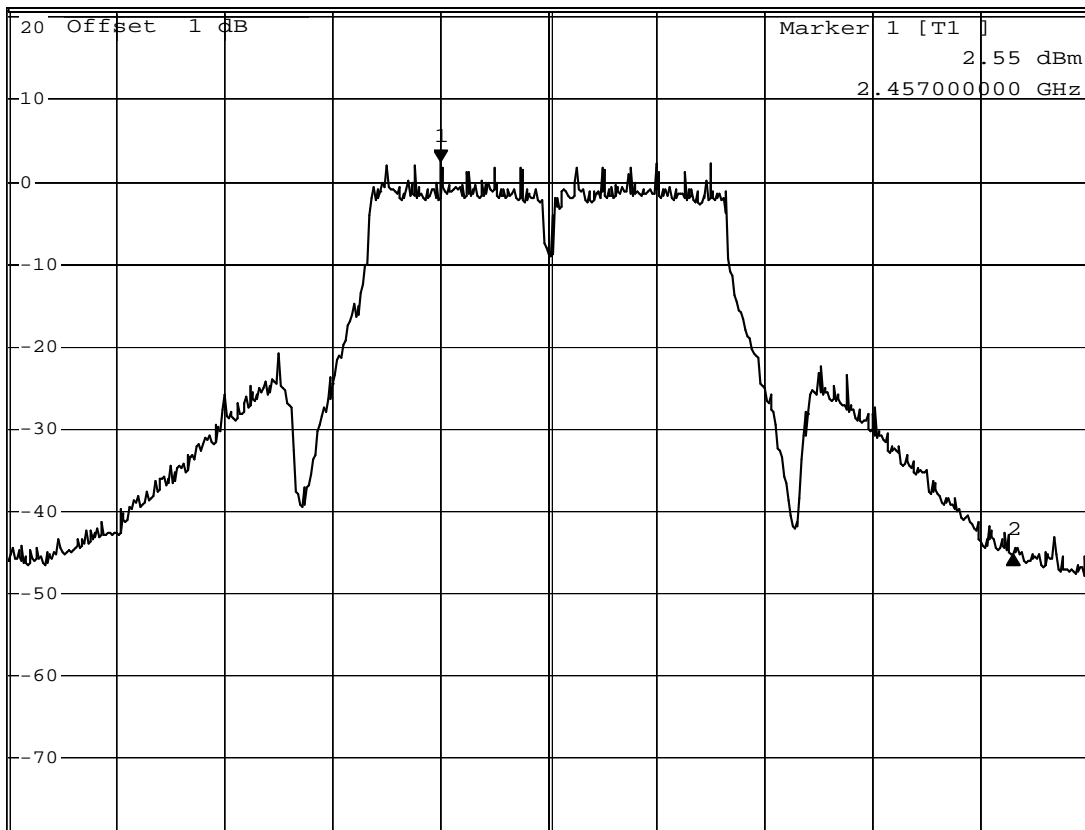
Channel 11 (2462MHz)



\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -47.73 dB  
 \*SWT 100 ms 26.50000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW

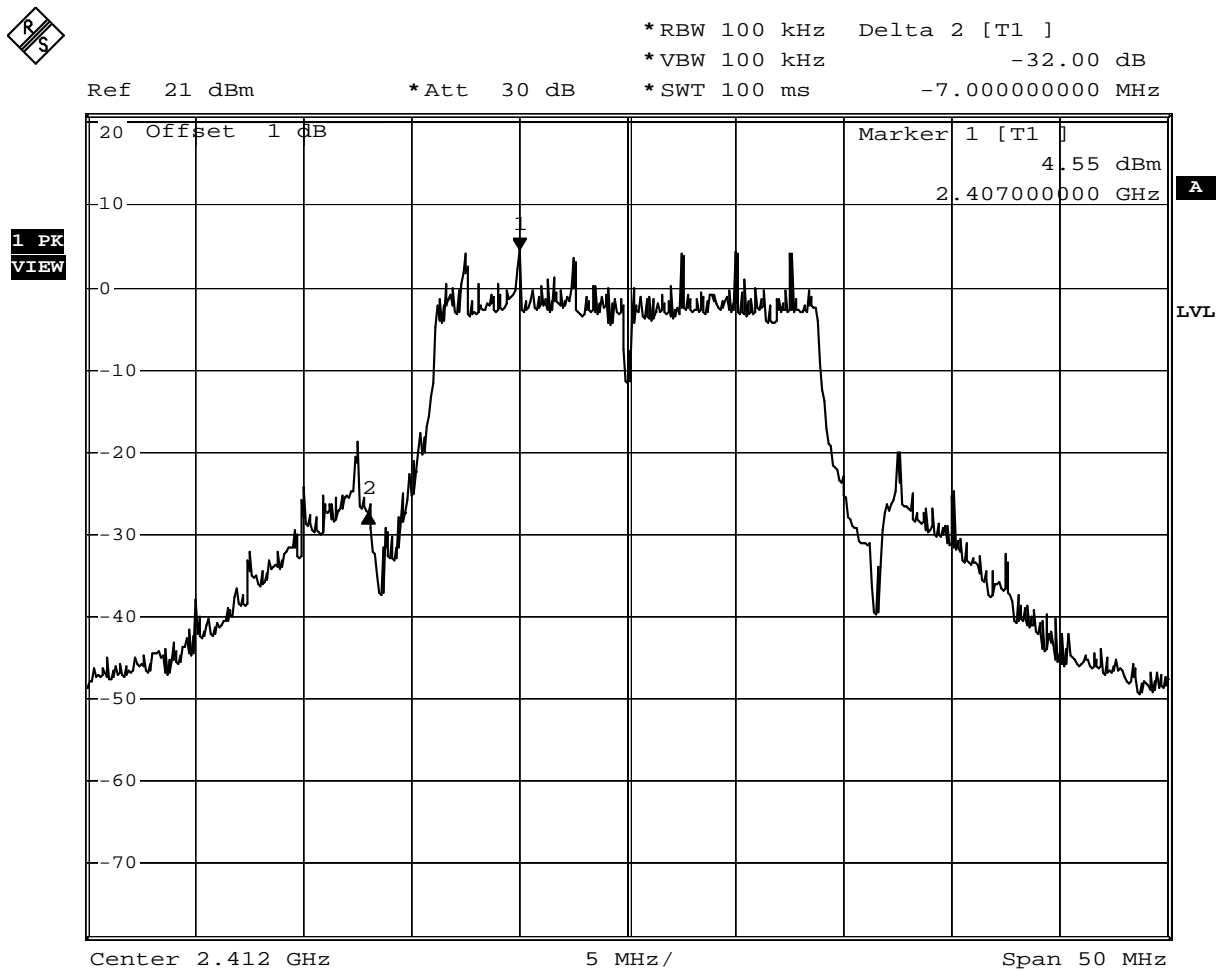


Date: 12.NOV.2011 10:12:53

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.00	≥20	Pass
11	2462	44.66	≥20	Pass

### Channel 1 (2412MHz)



Date: 12.NOV.2011 10:14:34

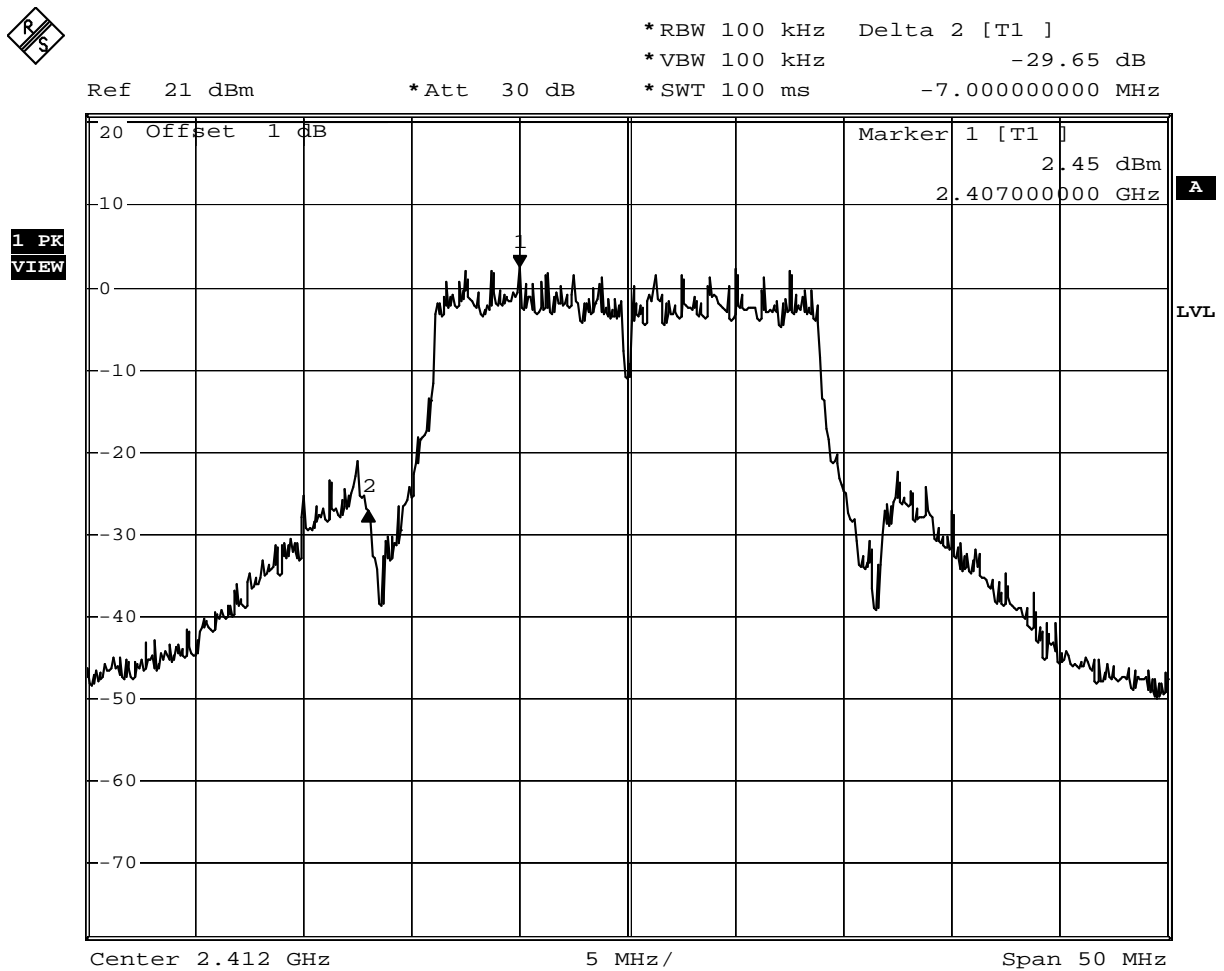




Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	29.65	≥20	Pass
11	2462	46.16	≥20	Pass

### Channel 1 (2412MHz)



Date: 12.NOV.2011 10:15:42

Channel 11 (2462MHz)

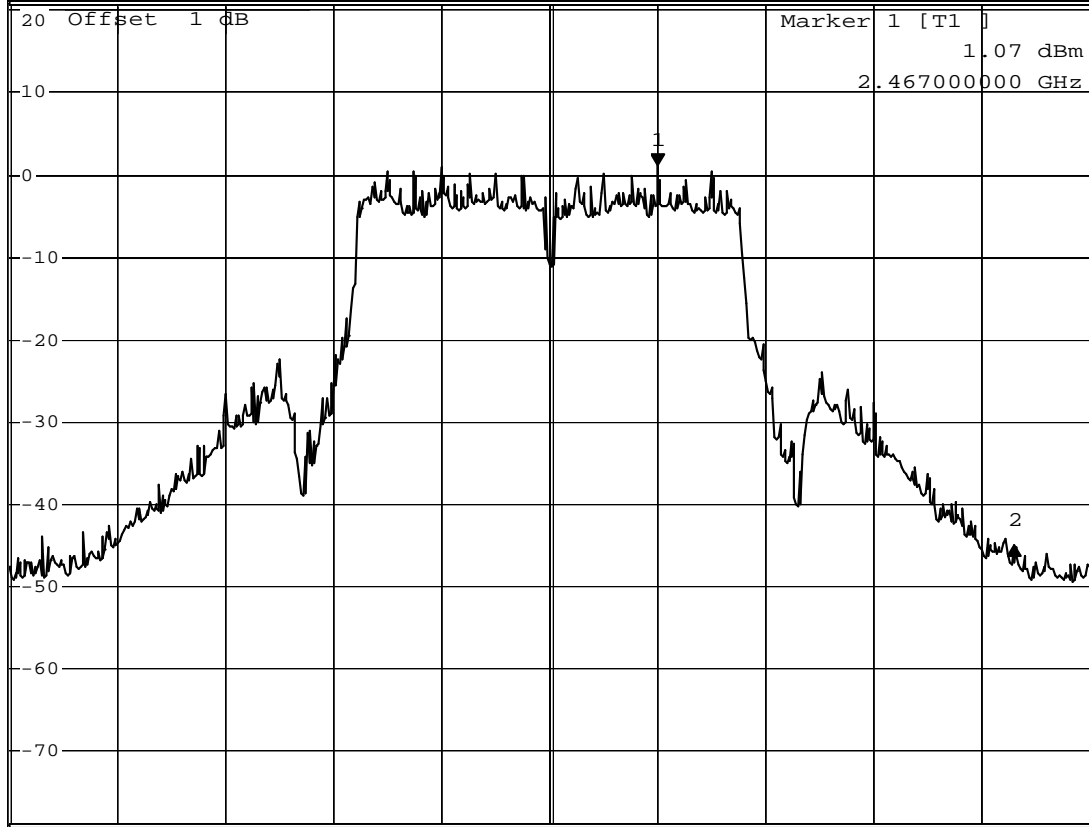


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -46.16 dB  
 \*SWT 100 ms 16.50000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 2.462 GHz

5 MHz/

Span 50 MHz

Date: 12.NOV.2011 10:17:42



Channel 11 (2462MHz)

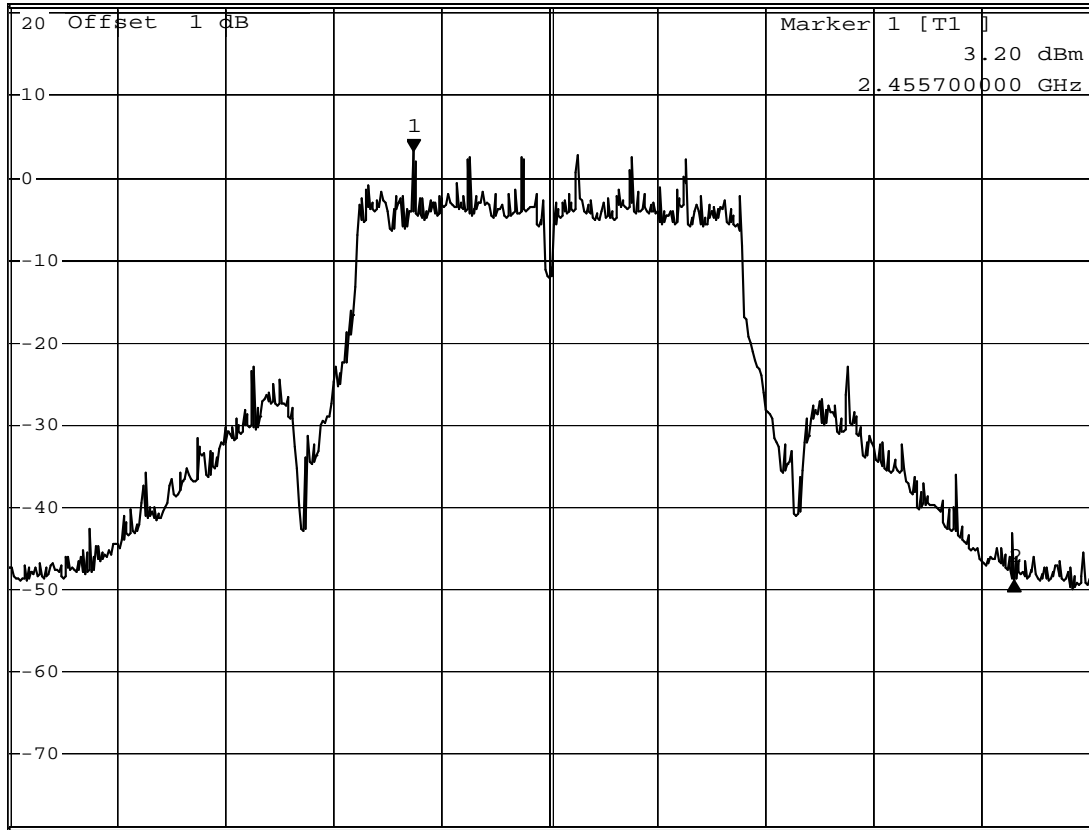


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -52.10 dB  
 \*SWT 100 ms 27.80000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 2.462 GHz

5 MHz/

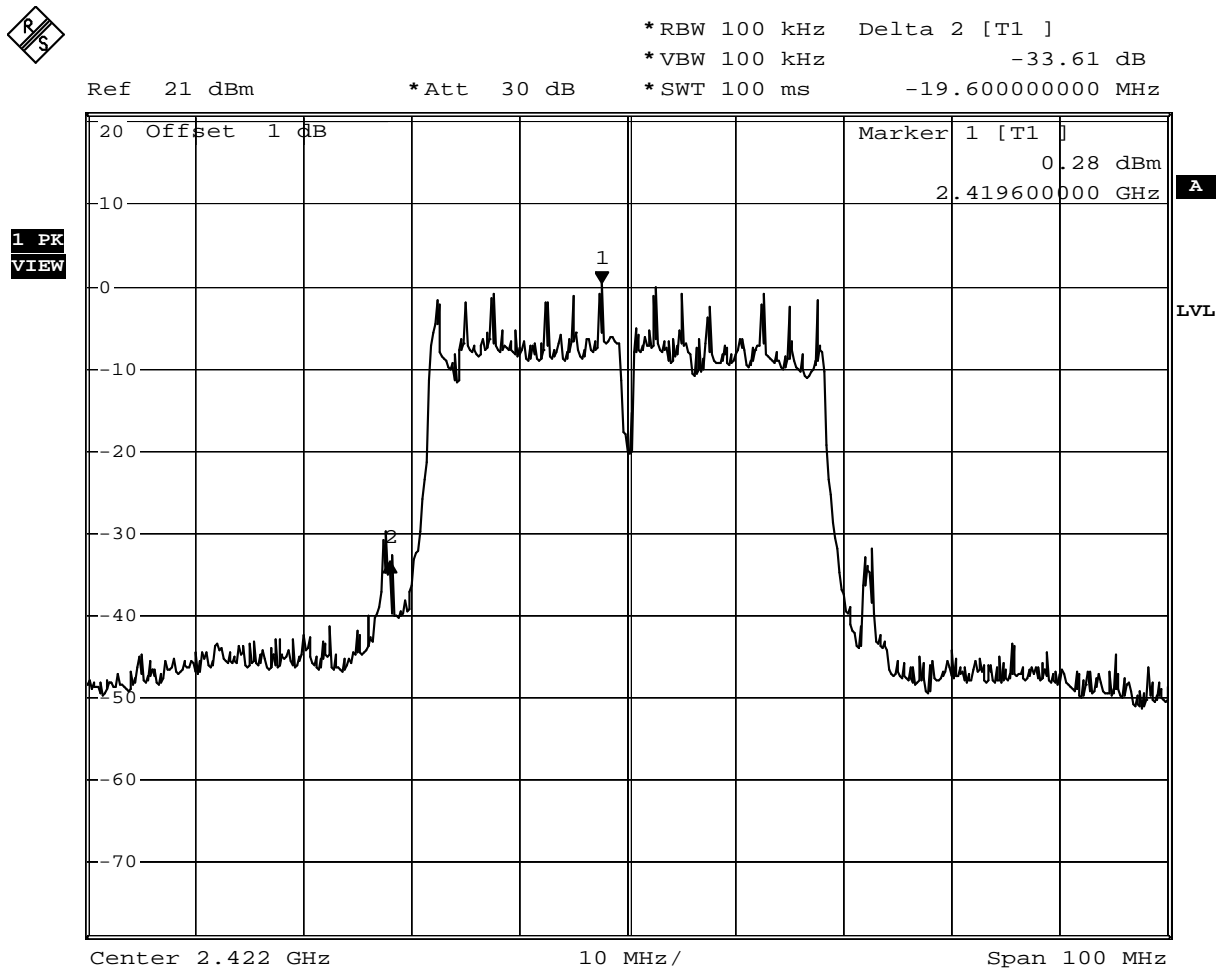
Span 50 MHz

Date: 12.NOV.2011 10:16:58

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	33.61	≥20	Pass
9	2452	46.33	≥20	Pass

### Channel 3 (2422MHz)



Date: 12.NOV.2011 10:20:26

Channel 9 (2452MHz)

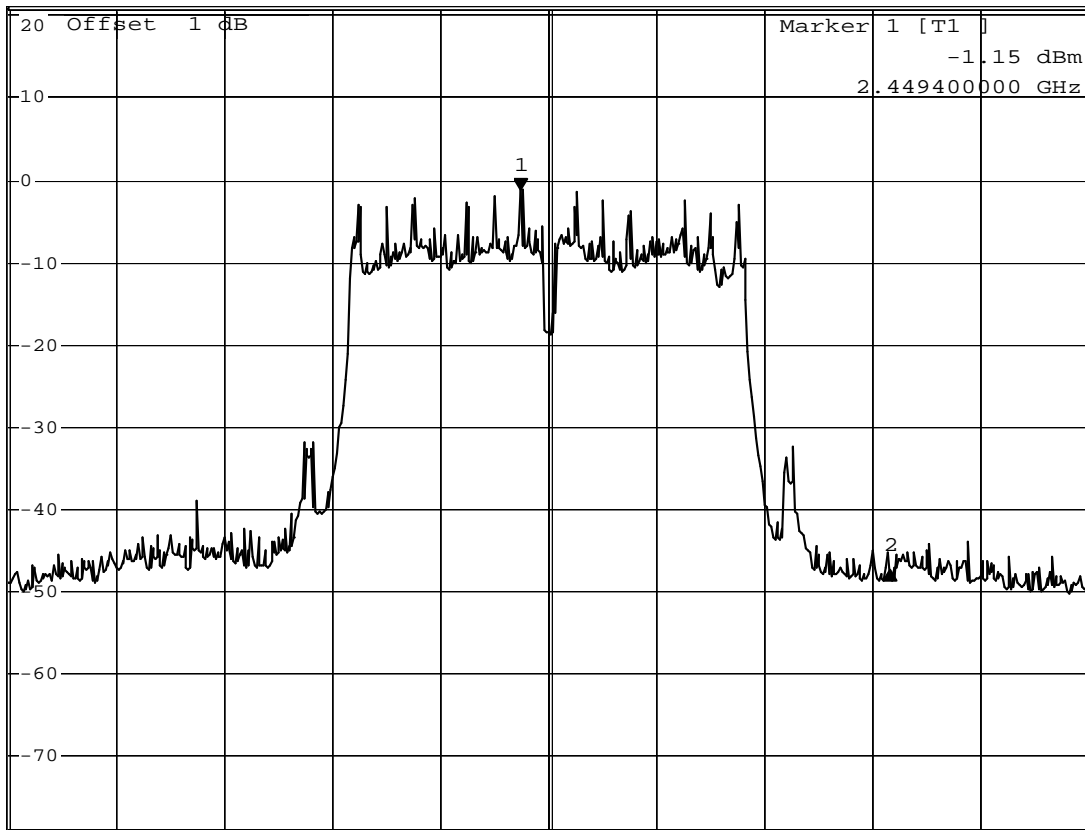


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -46.33 dB  
 \*SWT 100 ms 34.10000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



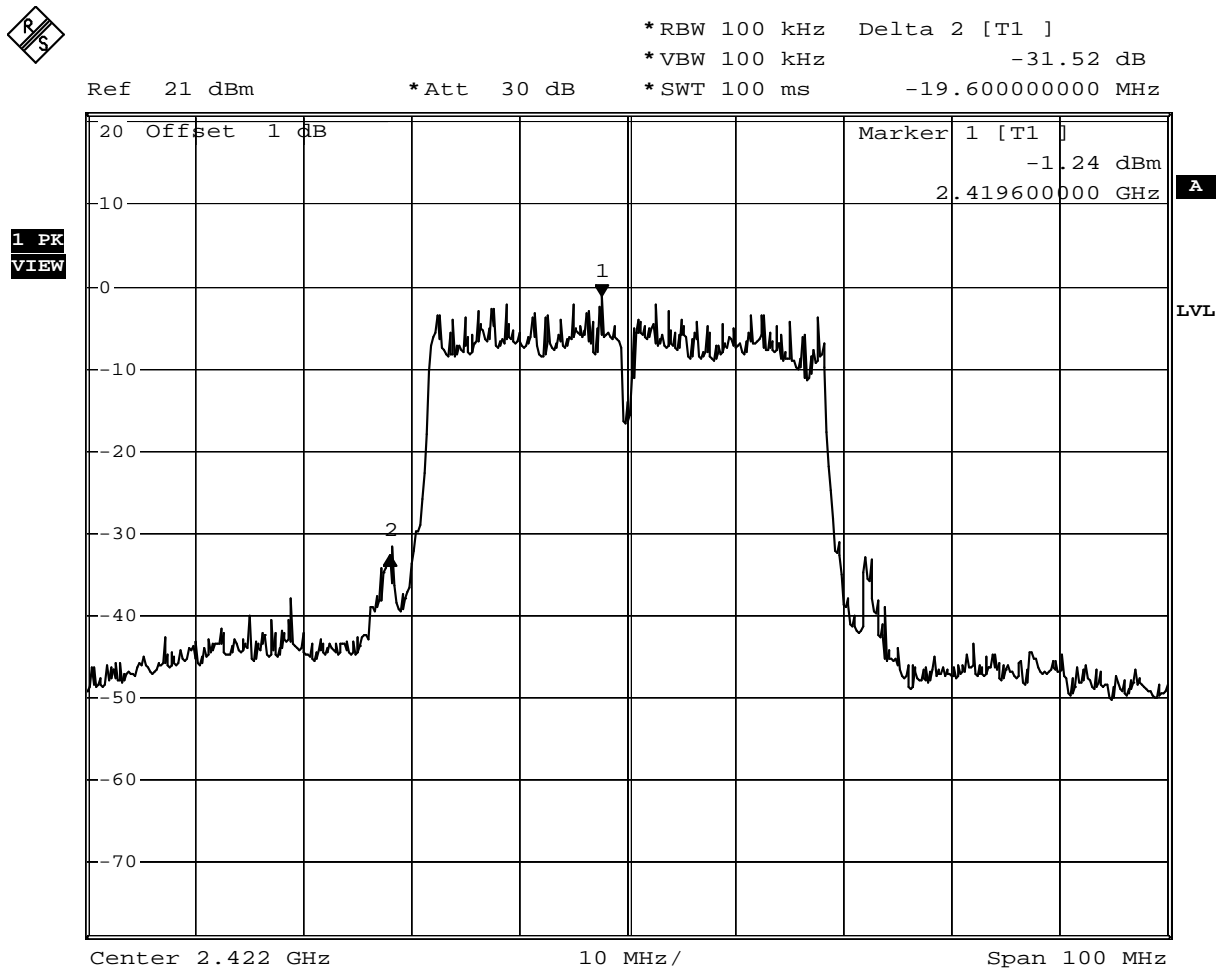
Center 2.452 GHz 10 MHz/ Span 100 MHz

Date: 12.NOV.2011 10:23:10

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	31.52	≥20	Pass
9	2452	43.21	≥20	Pass

### Channel 3 (2422MHz)



Date: 12.NOV.2011 10:21:24

Channel 9 (2452MHz)



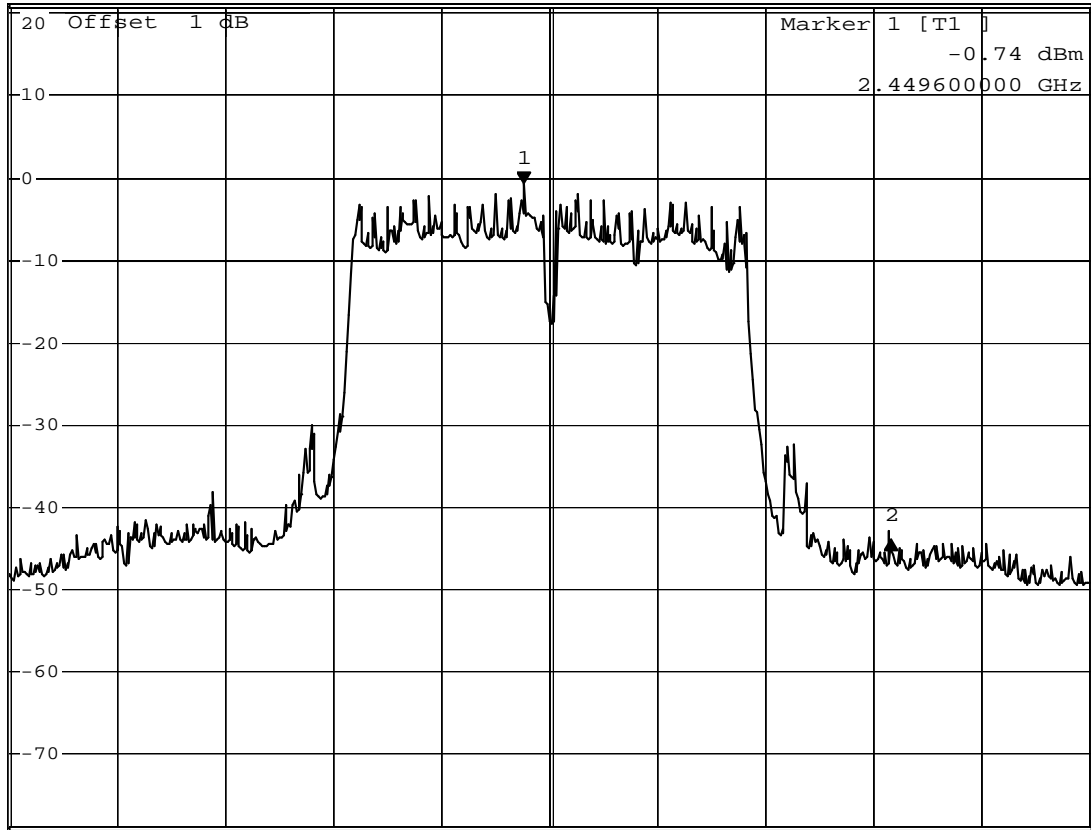
\*RBW 100 kHz Delta 2 [T1 ]  
\*VBW 100 kHz -43.21 dB  
\*SWT 100 ms 33.90000000 MHz

Ref 21 dBm

\*Att 30 dB

33.90000000 MHz

1 PK  
VIEW



Center 2.452 GHz

10 MHz/

Span 100 MHz

Date: 12.NOV.2011 10:22:20



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 2) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	33.22	≥20	Pass
9	2452	44.57	≥20	Pass

### Channel 3 (2422MHz)

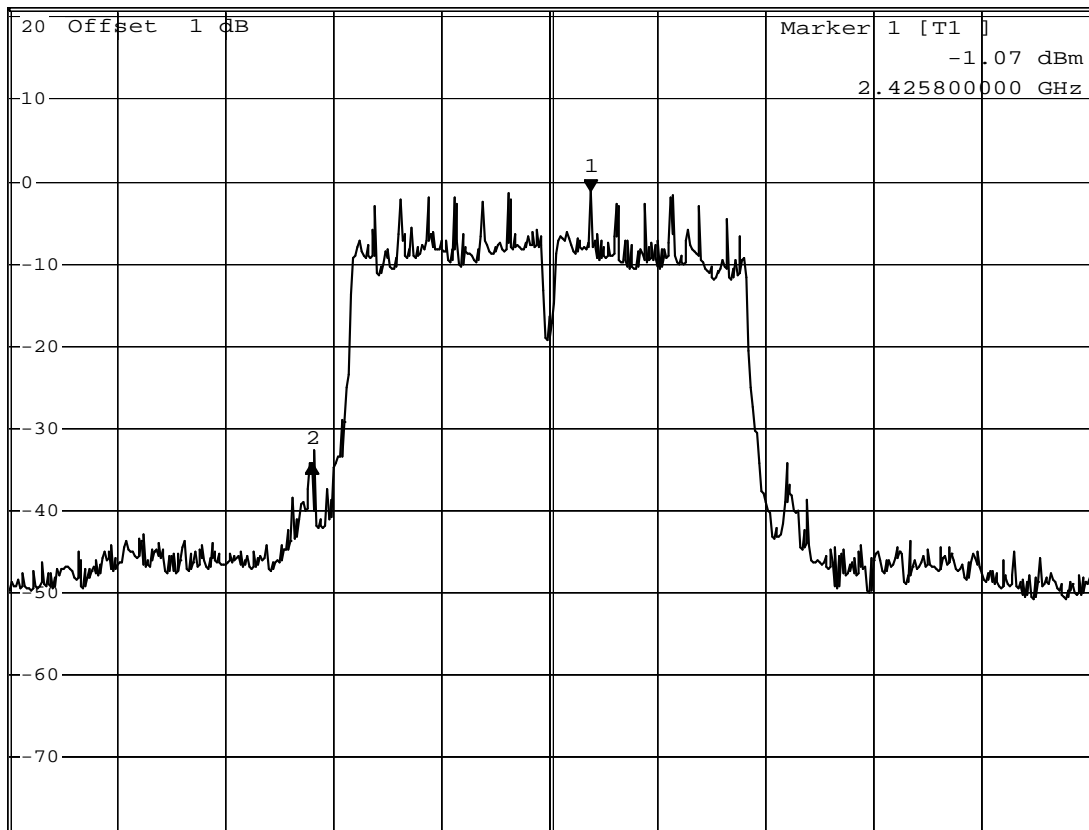


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -33.22 dB  
 \*SWT 100 ms -25.800000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK VIEW



Center 2.422 GHz

10 MHz/

Span 100 MHz

Date: 12.NOV.2011 10:20:59

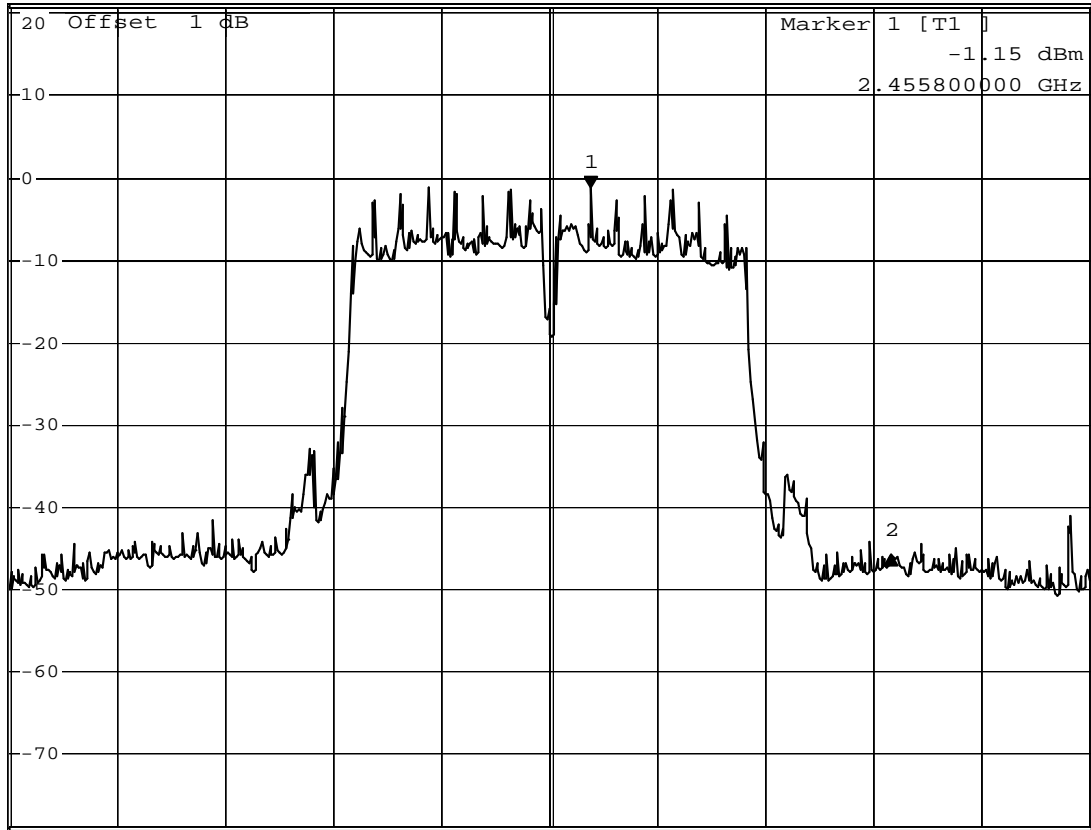
Channel 9 (2452MHz)



\*RBW 100 kHz Delta 2 [T1 ]  
\*VBW 100 kHz -44.57 dB  
\*SWT 100 ms 27.70000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW

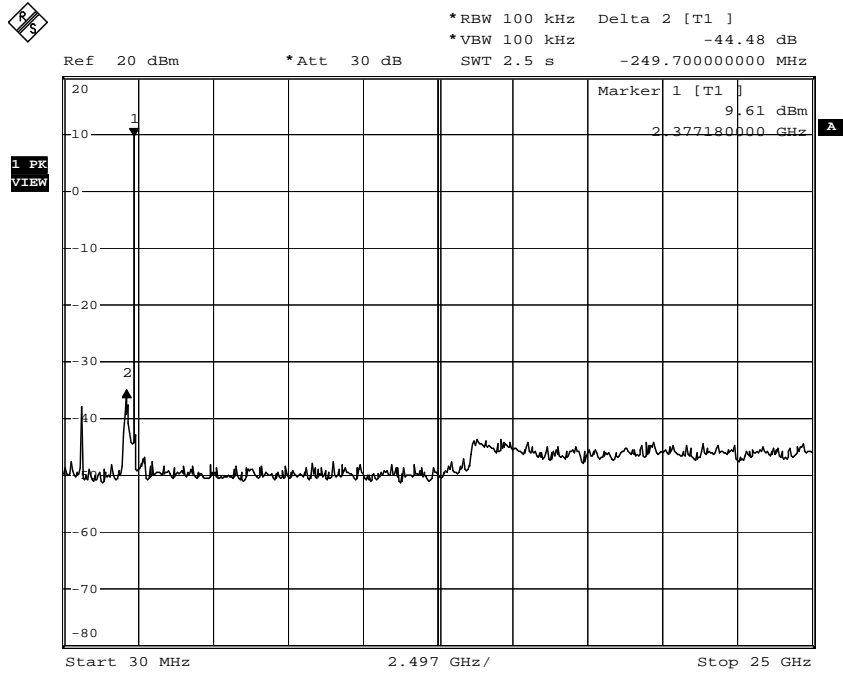


Center 2.452 GHz 10 MHz/ Span 100 MHz

Date: 12.NOV.2011 10:22:45

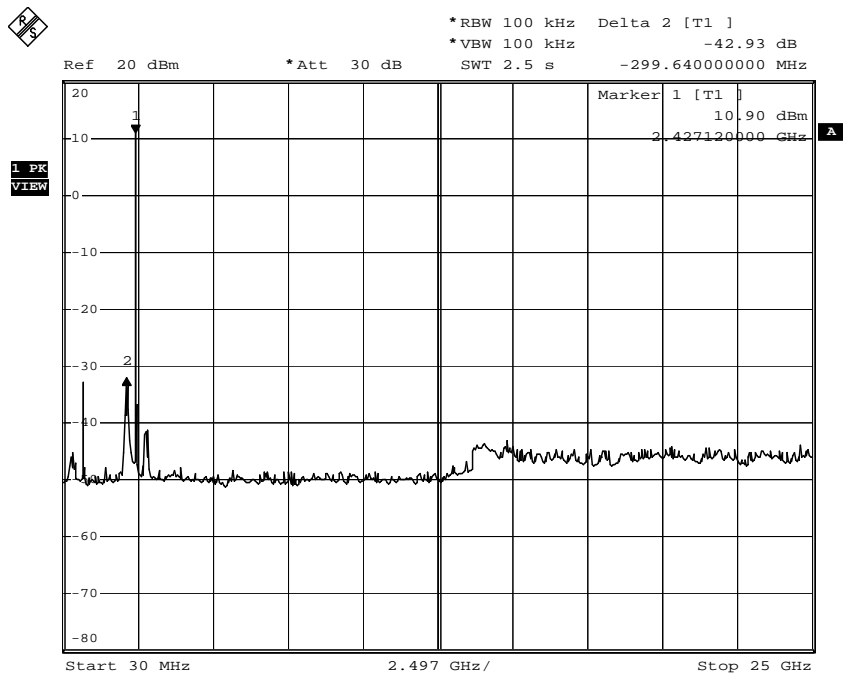
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

### 2412MHz (30MHz-25GHz)-802.11b



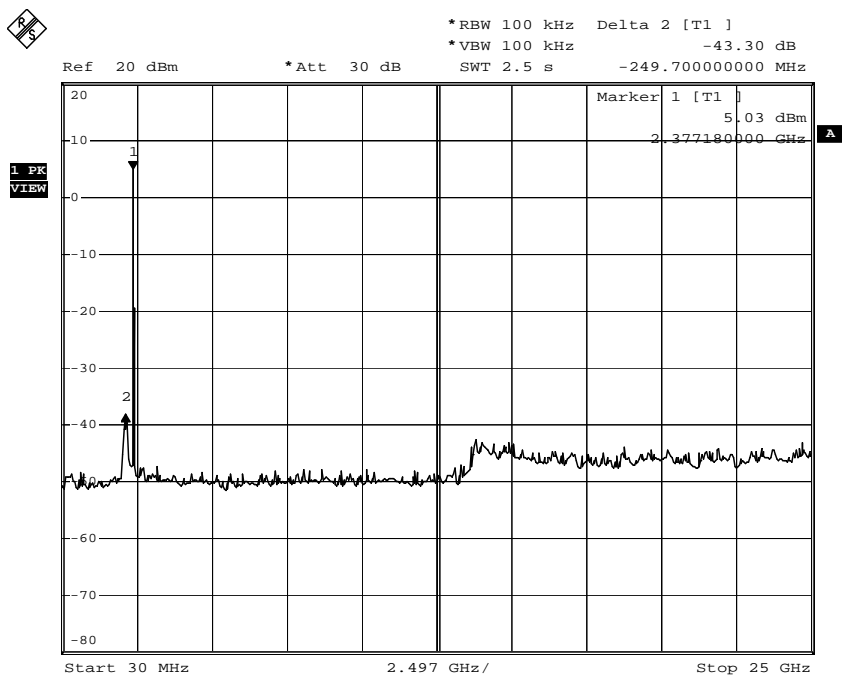
Comment: A:\2  
Date: 16.NOV.2011 22:26:53

### 2462MHz (30MHz-25GHz) -802.11b



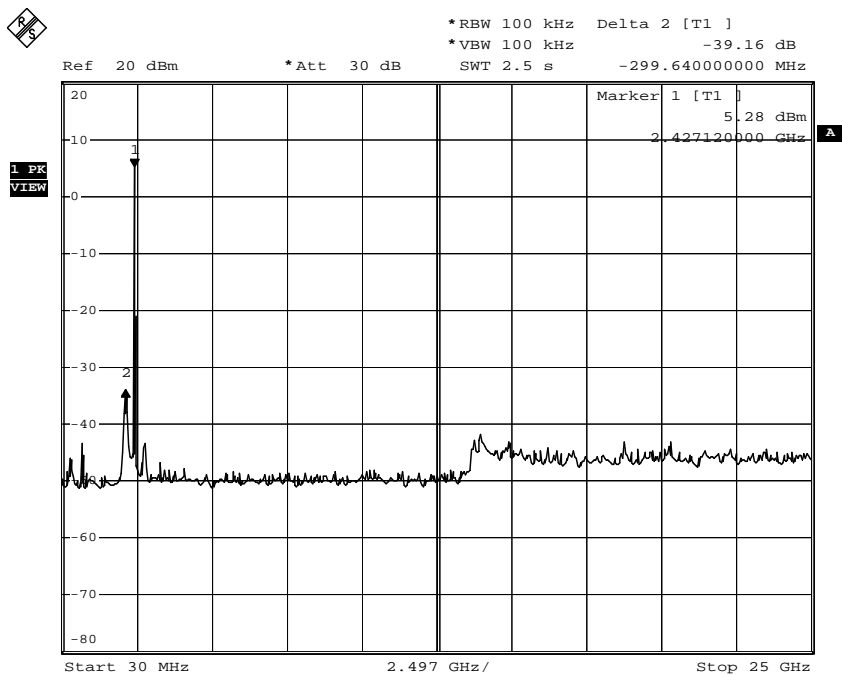
Comment: A:\2  
Date: 16.NOV.2011 22:27:33

2412MHz (30MHz-25GHz)-802.11g



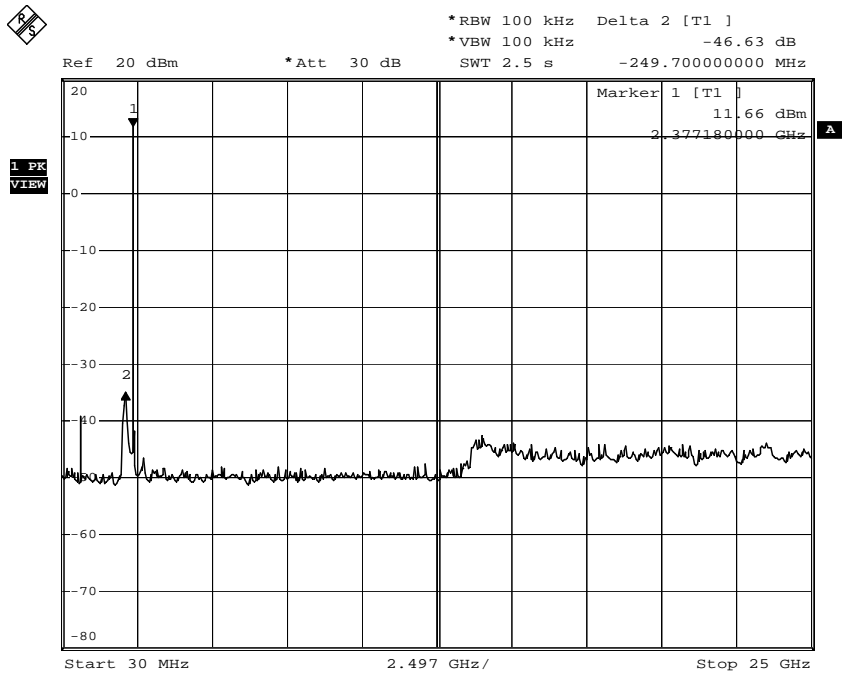
Comment: A:\2  
 Date: 16.NOV.2011 22:26:09

2462MHz (30MHz-25GHz) -802.11g



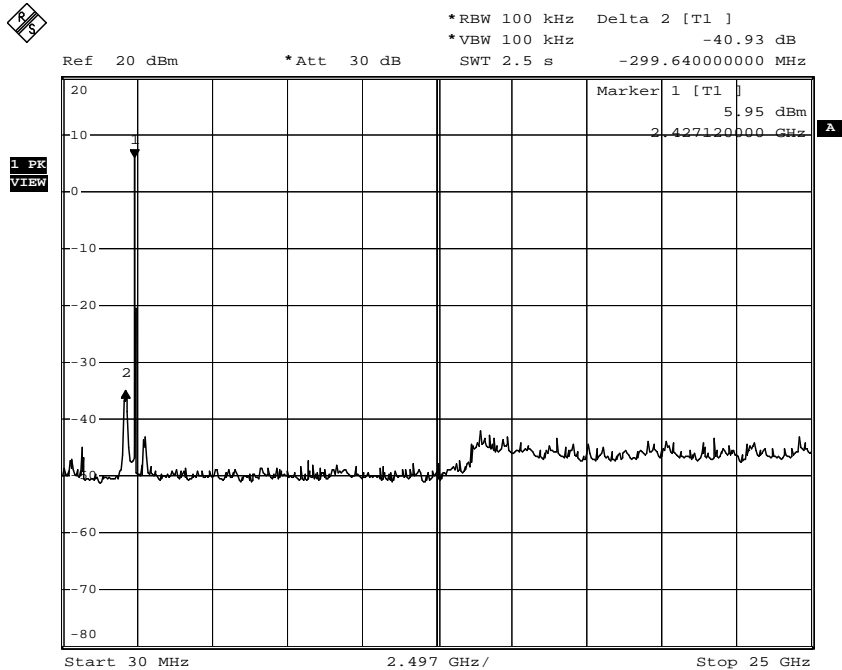
Comment: A:\2  
 Date: 16.NOV.2011 22:25:24

2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



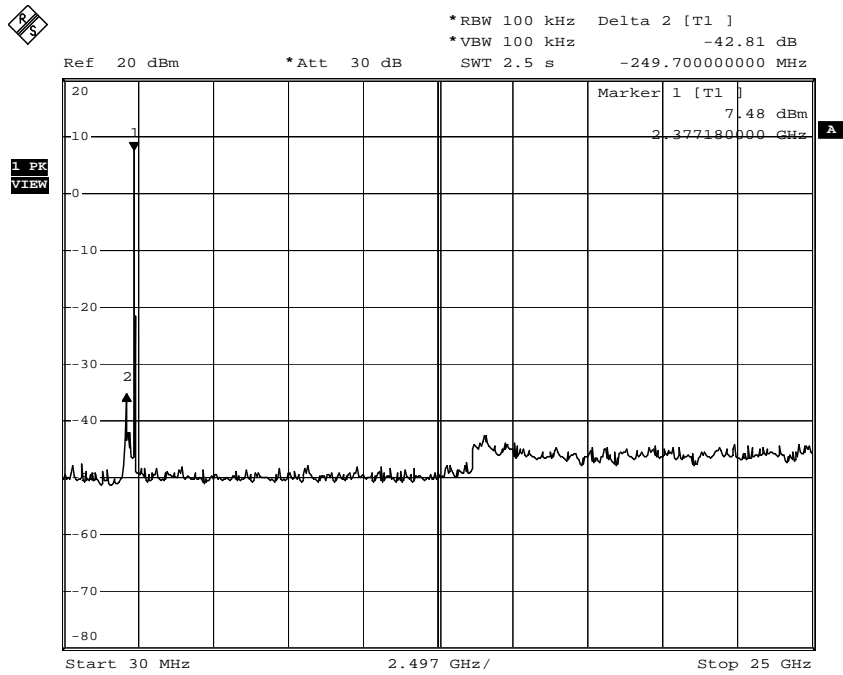
Comment: A:\2  
Date: 16.NOV.2011 22:28:52

2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 0



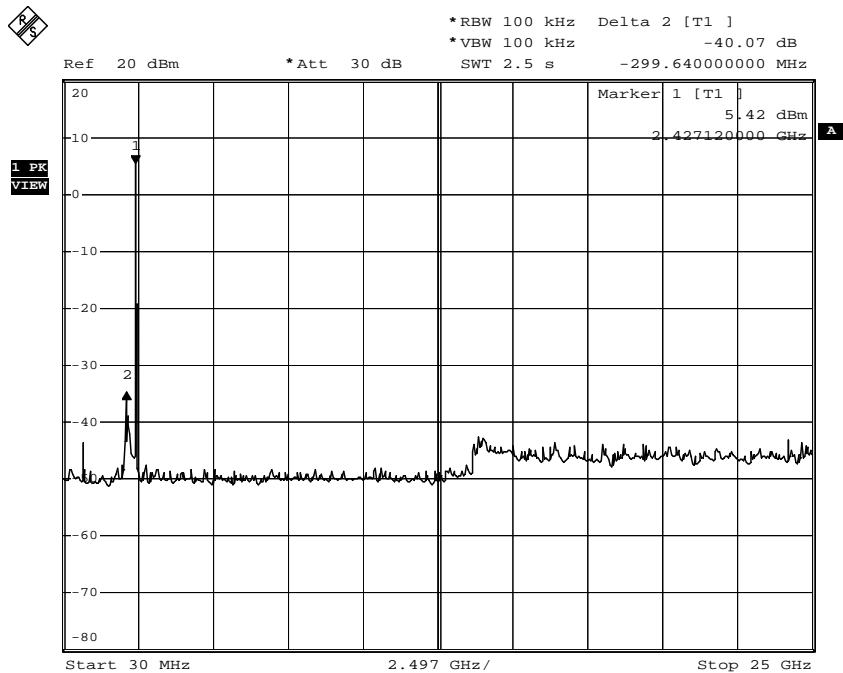
Comment: A:\2  
Date: 16.NOV.2011 22:33:14

2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 1



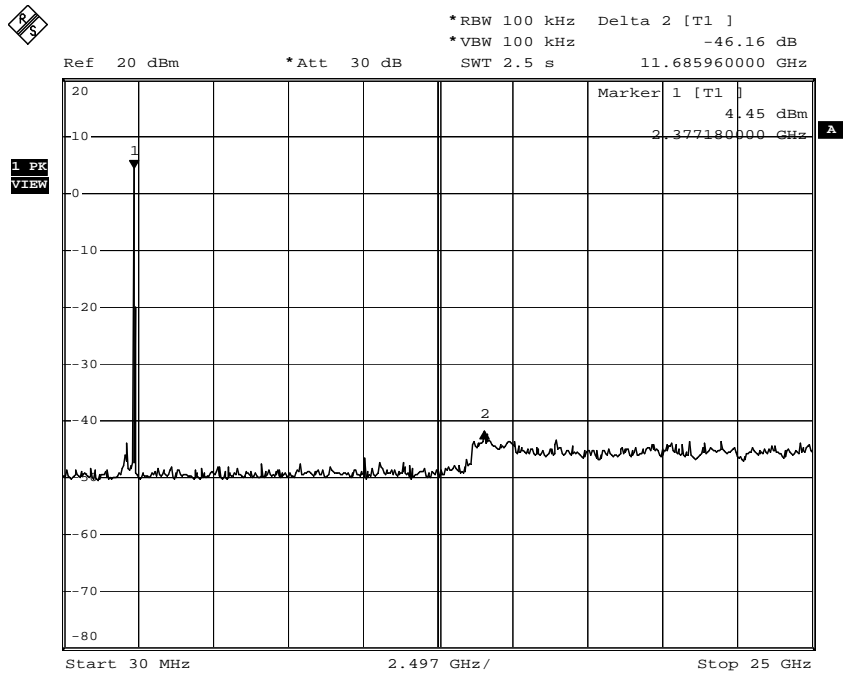
Comment: A:\2  
Date: 16.NOV.2011 22:30:52

2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 1



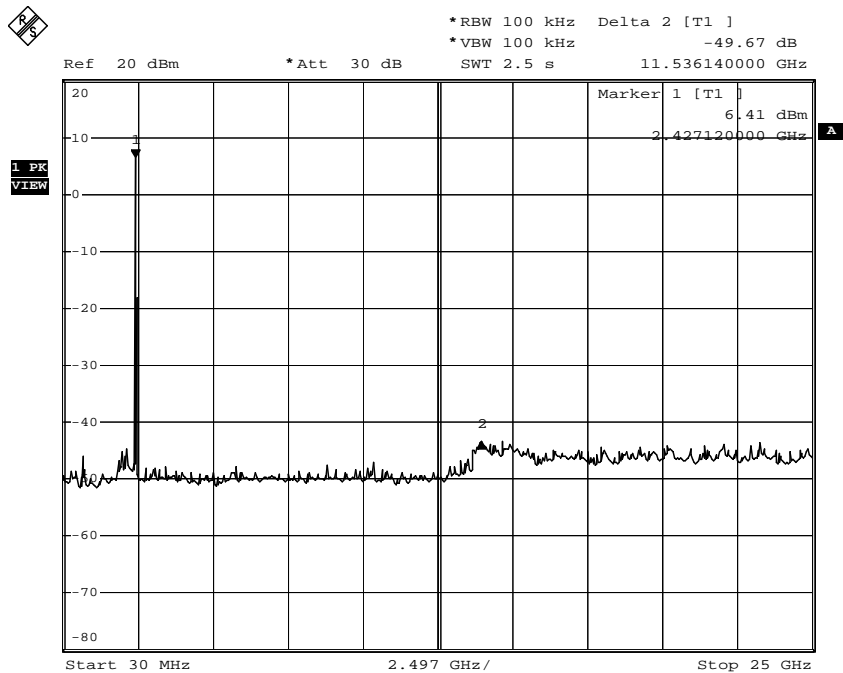
Comment: A:\2  
Date: 16.NOV.2011 22:31:50

2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 2



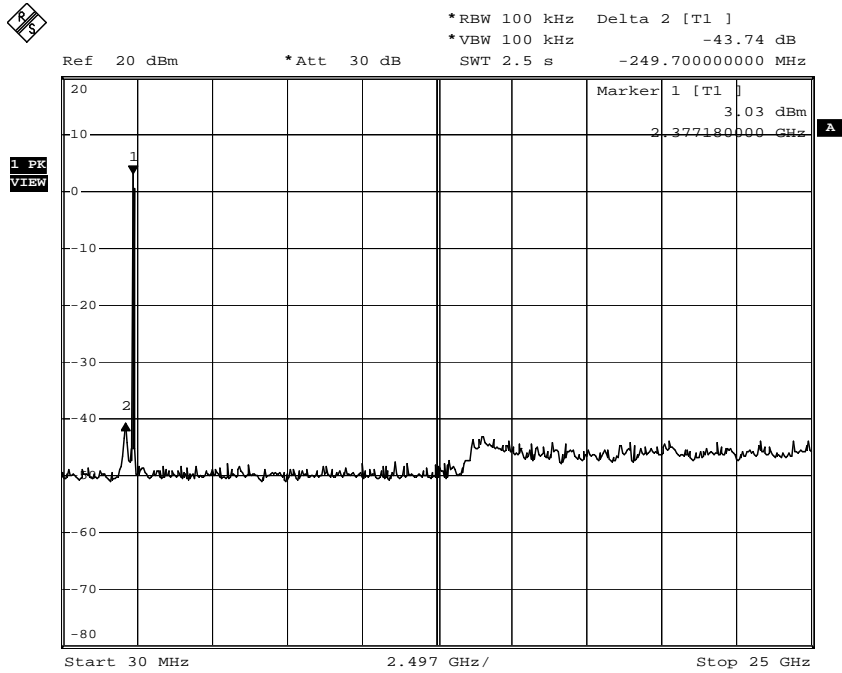
Comment: A:\2  
Date: 16.NOV.2011 22:30:12

2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 2



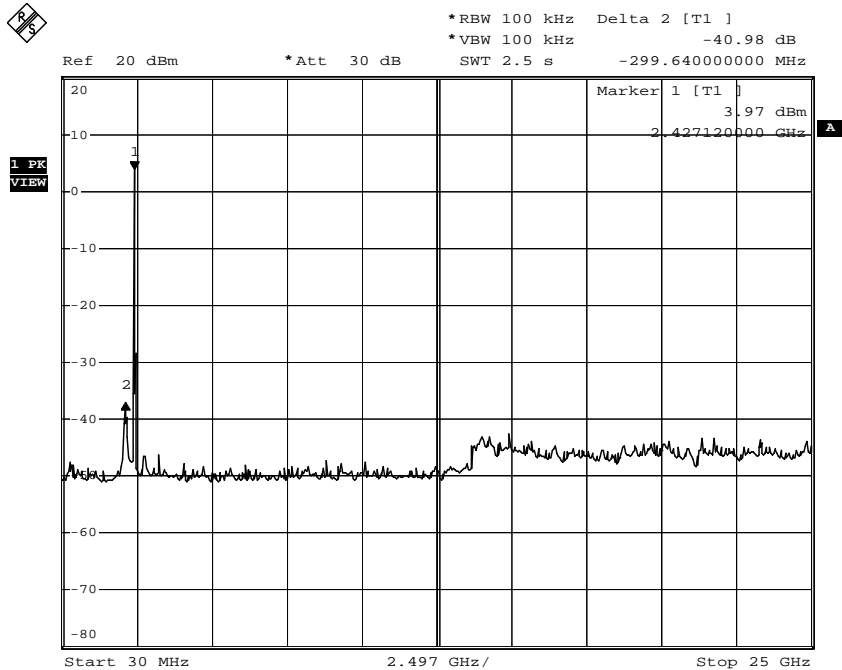
Comment: A:\2  
Date: 16.NOV.2011 22:32:34

2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 0



Comment: A:\2  
Date: 16.NOV.2011 22:38:48

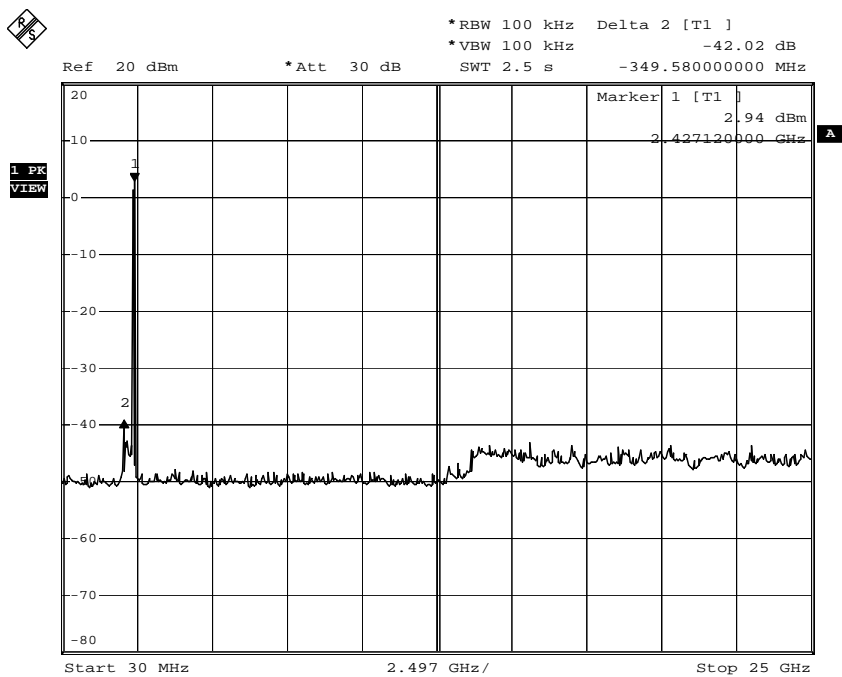
2452MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 0



Comment: A:\2  
Date: 16.NOV.2011 22:34:21

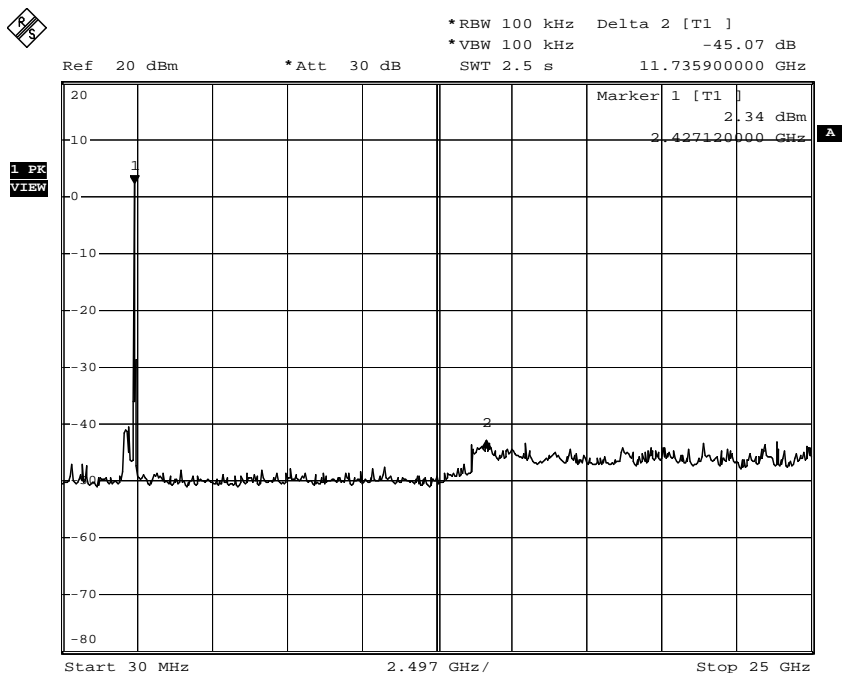


2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 1



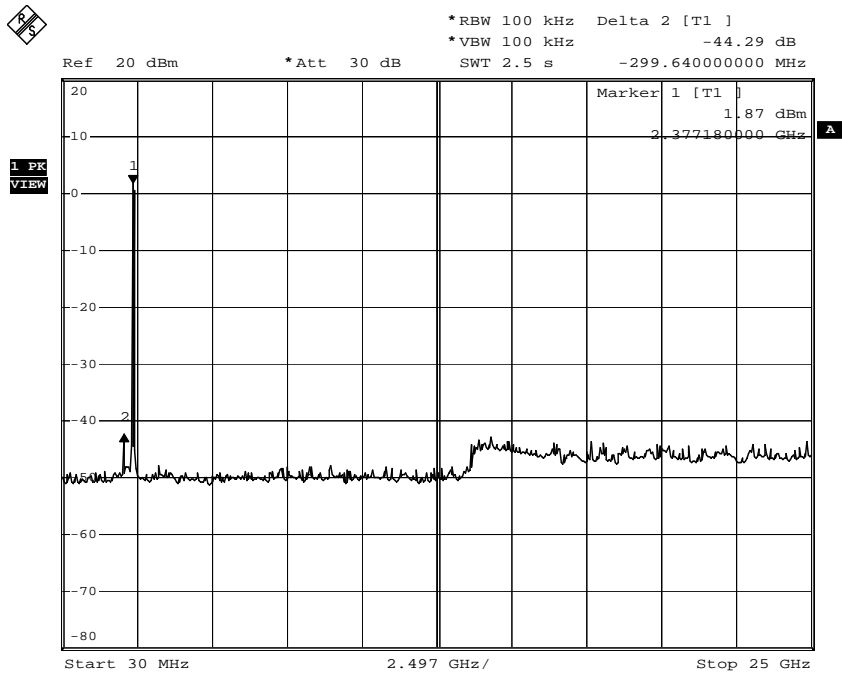
Comment: A:\2  
Date: 16.NOV.2011 22:37:22

2452MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 1



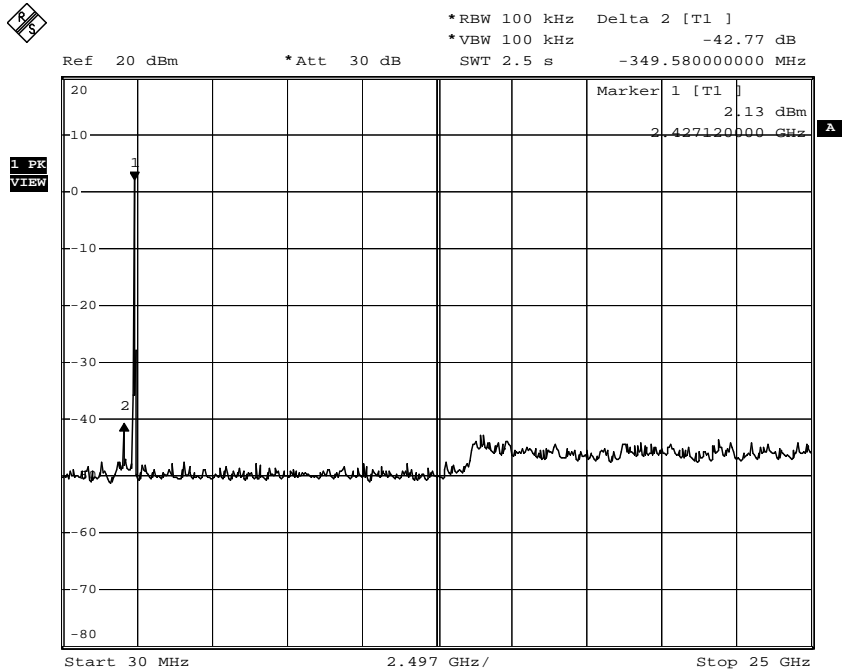
Comment: A:\2  
Date: 16.NOV.2011 22:35:47

### 2422MHz (30MHz-25GHz)-802.11n(40MHz)-ANT 2



Comment: A:\2  
Date: 16.NOV.2011 22:38:09

### 2452MHz (30MHz-25GHz) -802.11n(40MHz)-ANT 2

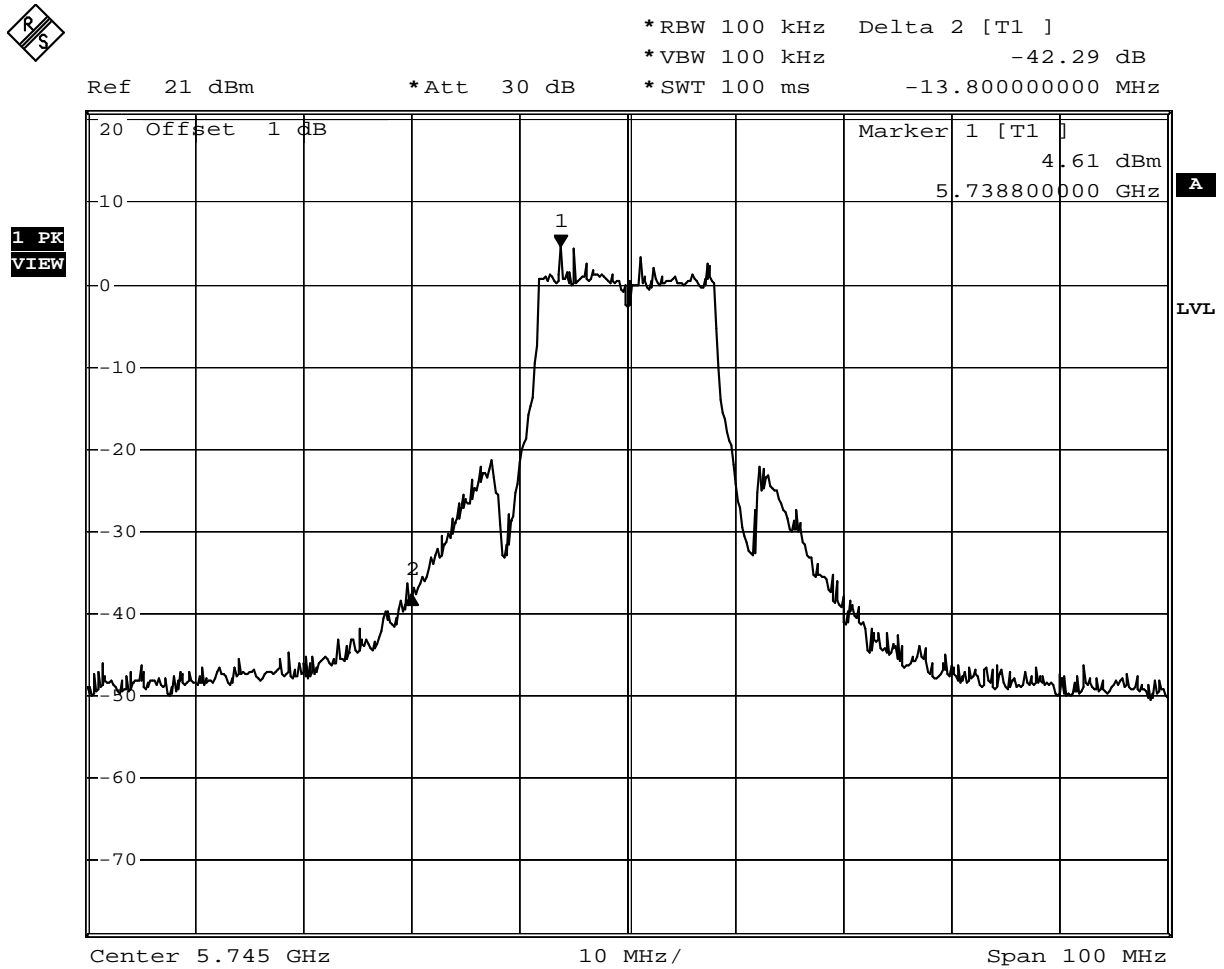


Comment: A:\2  
Date: 16.NOV.2011 22:35:08

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11a, Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	42.29	≥20	Pass
165	5825	50.11	≥20	Pass

### Channel 149 (5745MHz)



Date: 12.NOV.2011 10:29:46

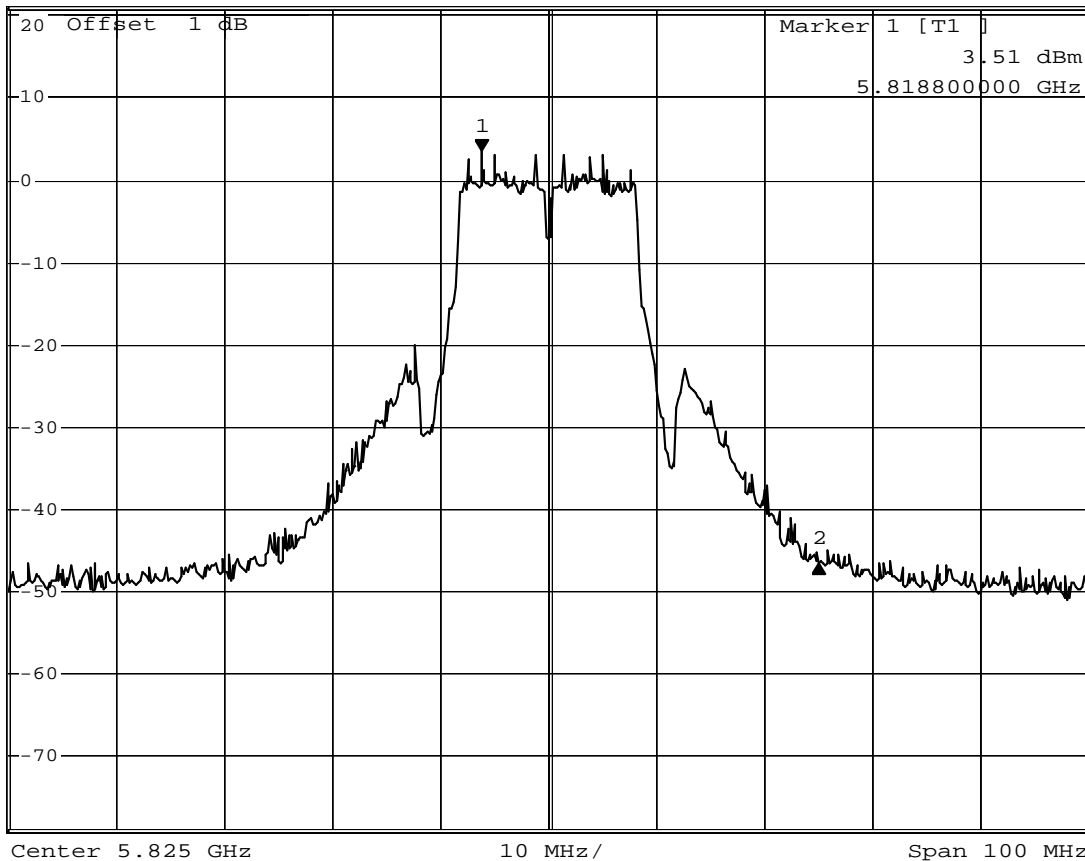
## Channel 165 (5825MHz)



\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -50.11 dB  
 \*SWT 100 ms 31.20000000 MHz

Ref 21 dBm

\*Att 30 dB

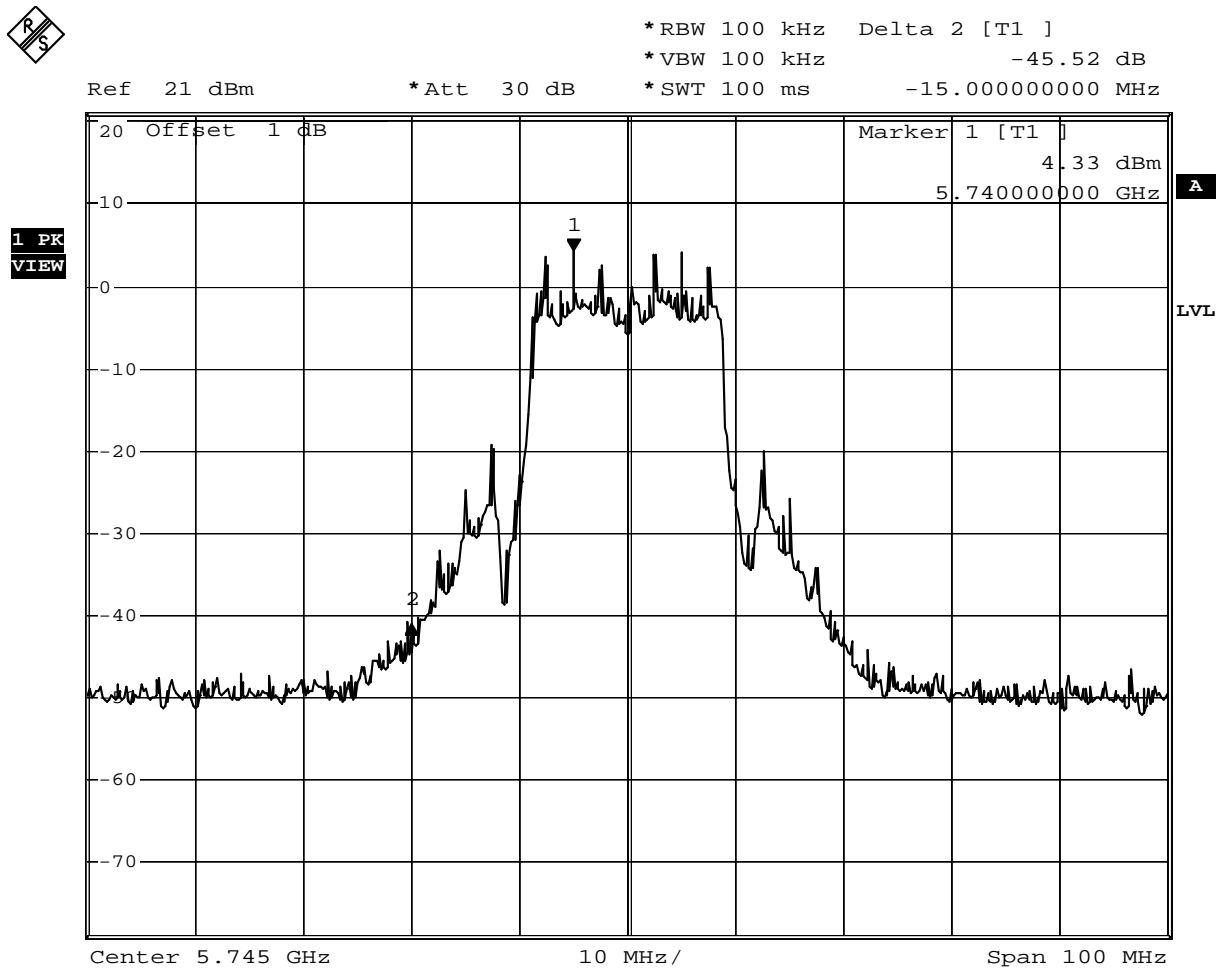


Date: 12.NOV.2011 10:30:48

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	45.52	$\geq 20$	Pass
165	5825	49.21	$\geq 20$	Pass

### Channel 149 (5745MHz)



Date: 12.NOV.2011 10:34:18

Channel 165 (5825MHz)

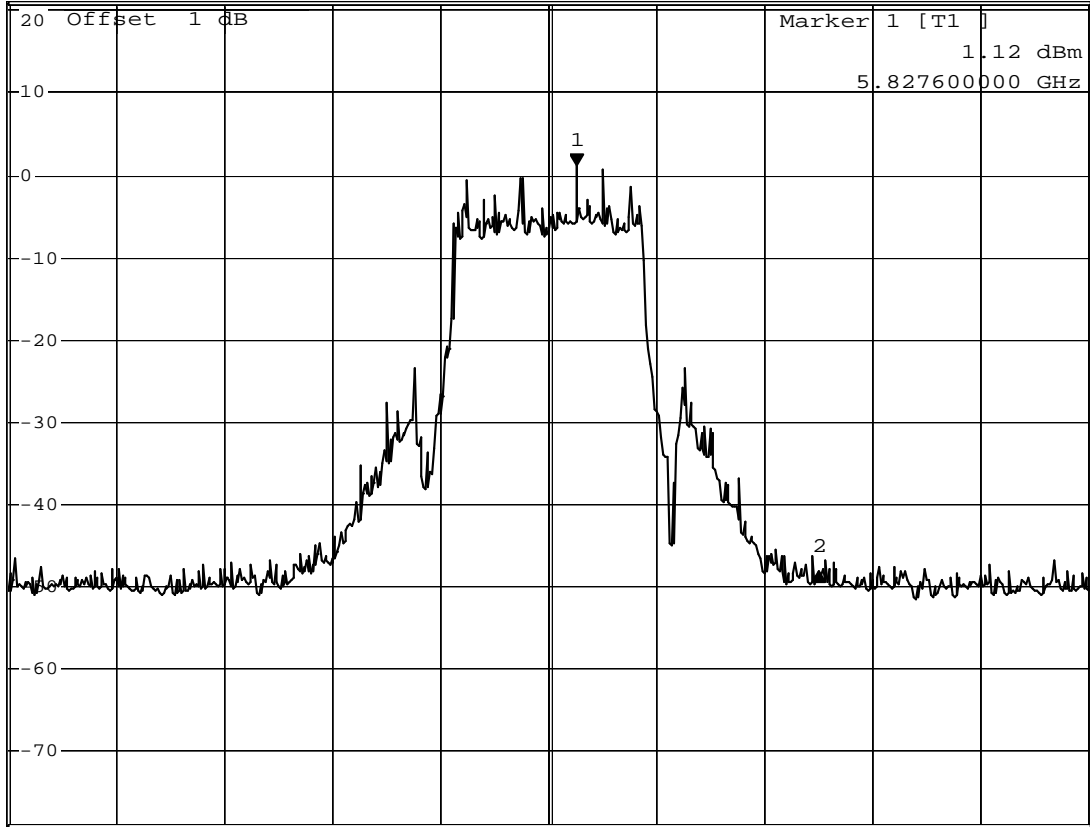


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -49.21 dB  
 \*SWT 100 ms 22.40000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



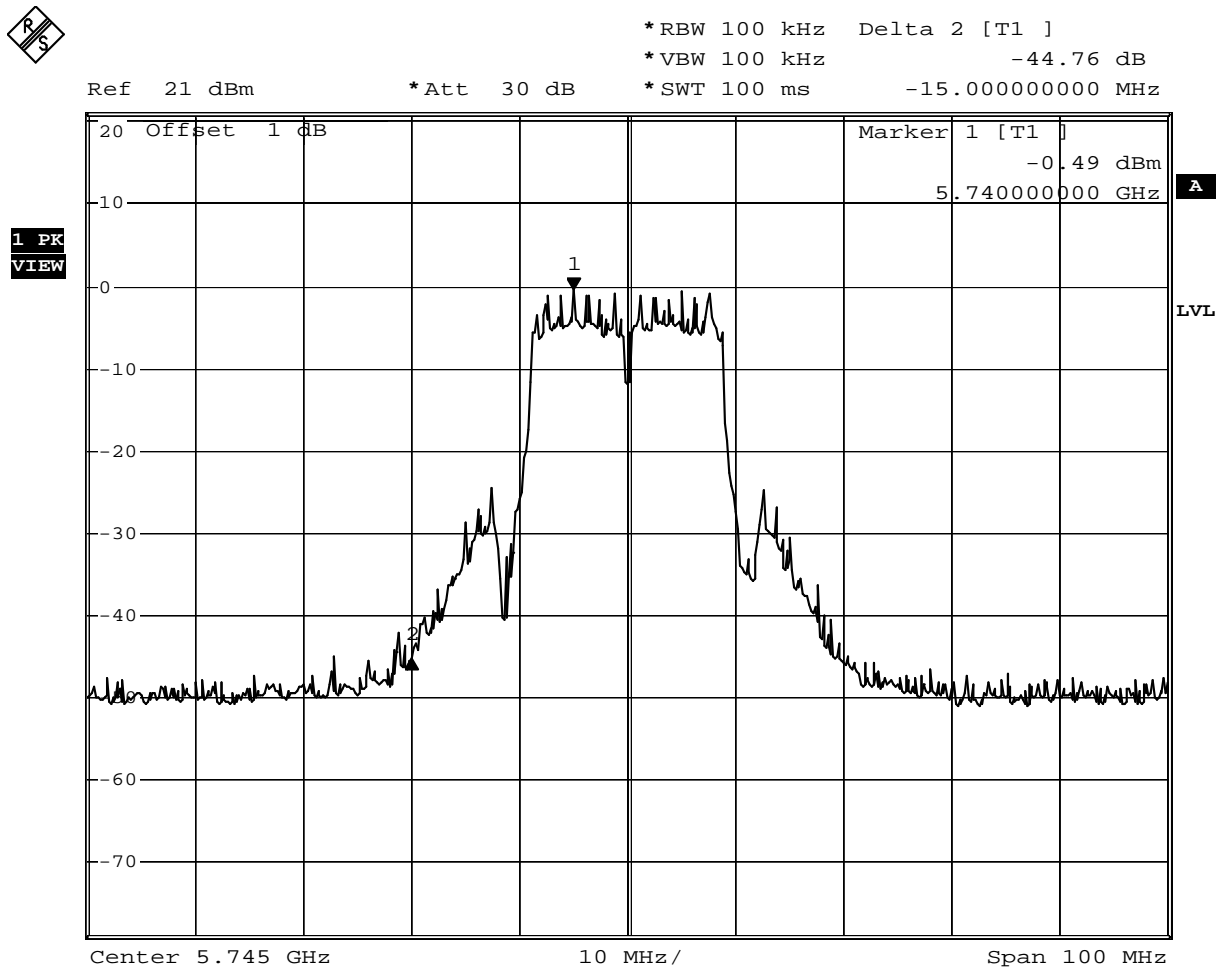
Center 5.825 GHz 10 MHz/ Span 100 MHz

Date: 12.NOV.2011 10:31:29

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	44.76	$\geq 20$	Pass
165	5825	44.79	$\geq 20$	Pass

### Channel 149 (5745MHz)



Date: 12.NOV.2011 10:33:27

Channel 165 (5825MHz)

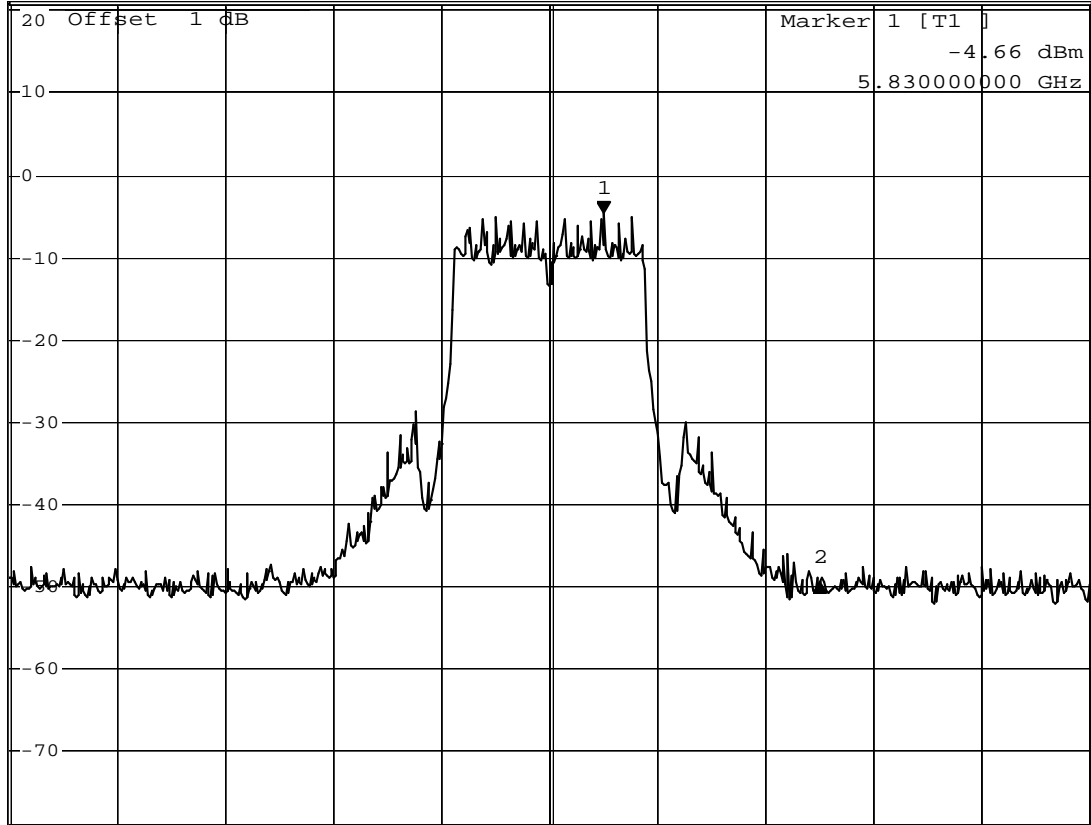


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -44.79 dB  
 \*SWT 100 ms 20.00000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.825 GHz

10 MHz/

Span 100 MHz

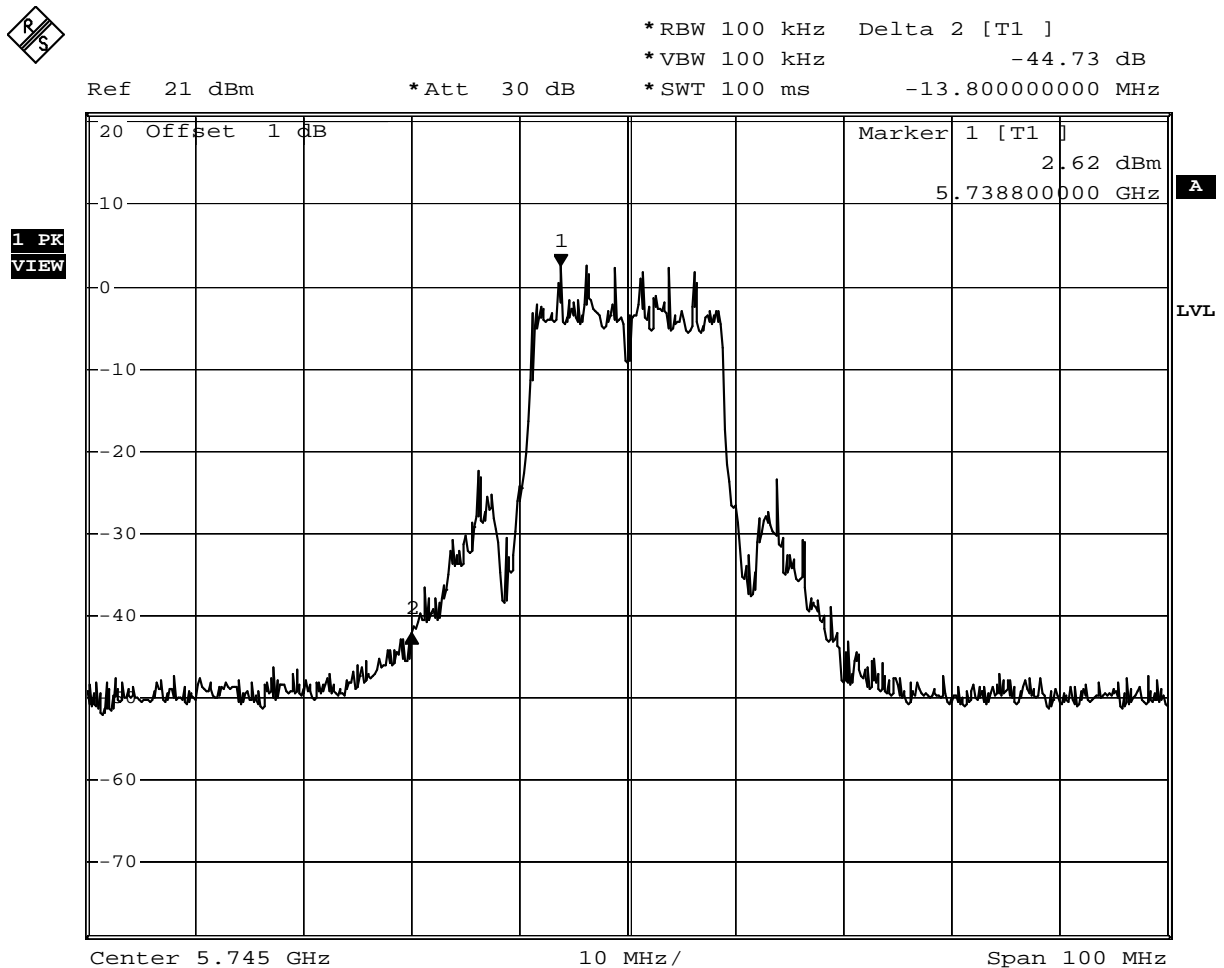
Date: 12.NOV.2011 10:32:32



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 2) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	44.73	$\geq 20$	Pass
165	5825	47.80	$\geq 20$	Pass

### Channel 149 (5745MHz)



Date: 12.NOV.2011 10:33:54

Channel 165 (5825MHz)

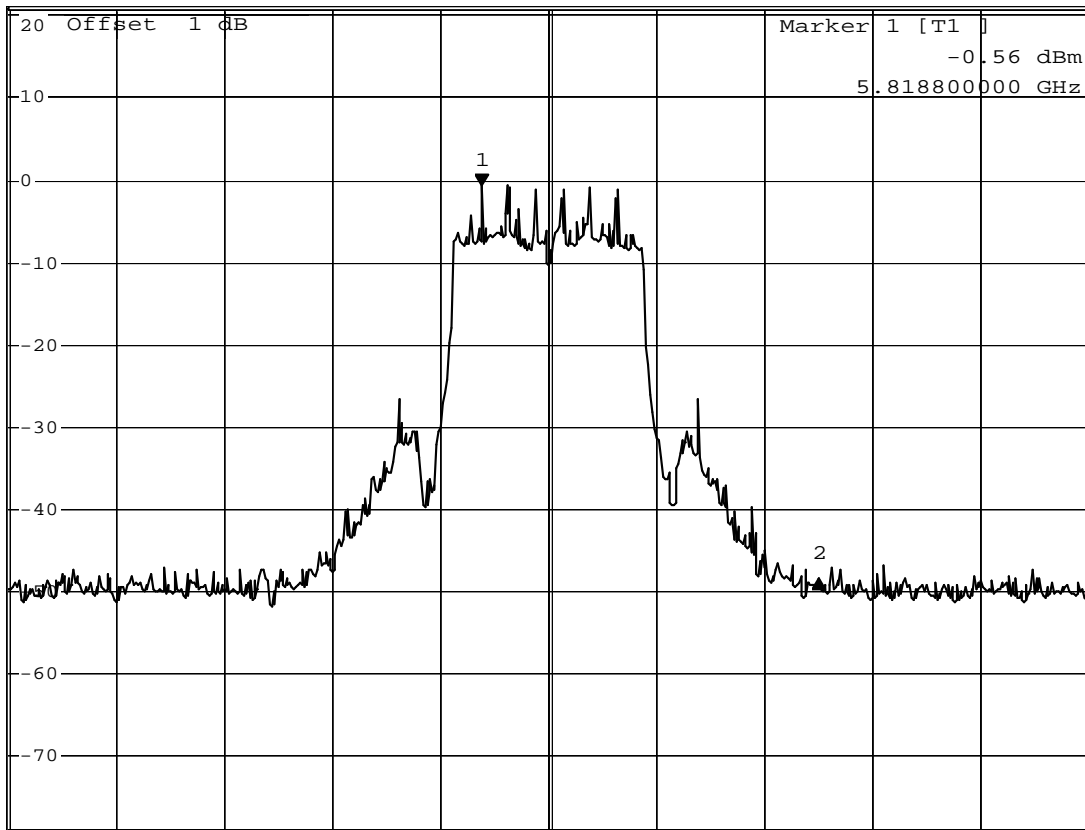


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -47.80 dB  
 \*SWT 100 ms 31.20000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



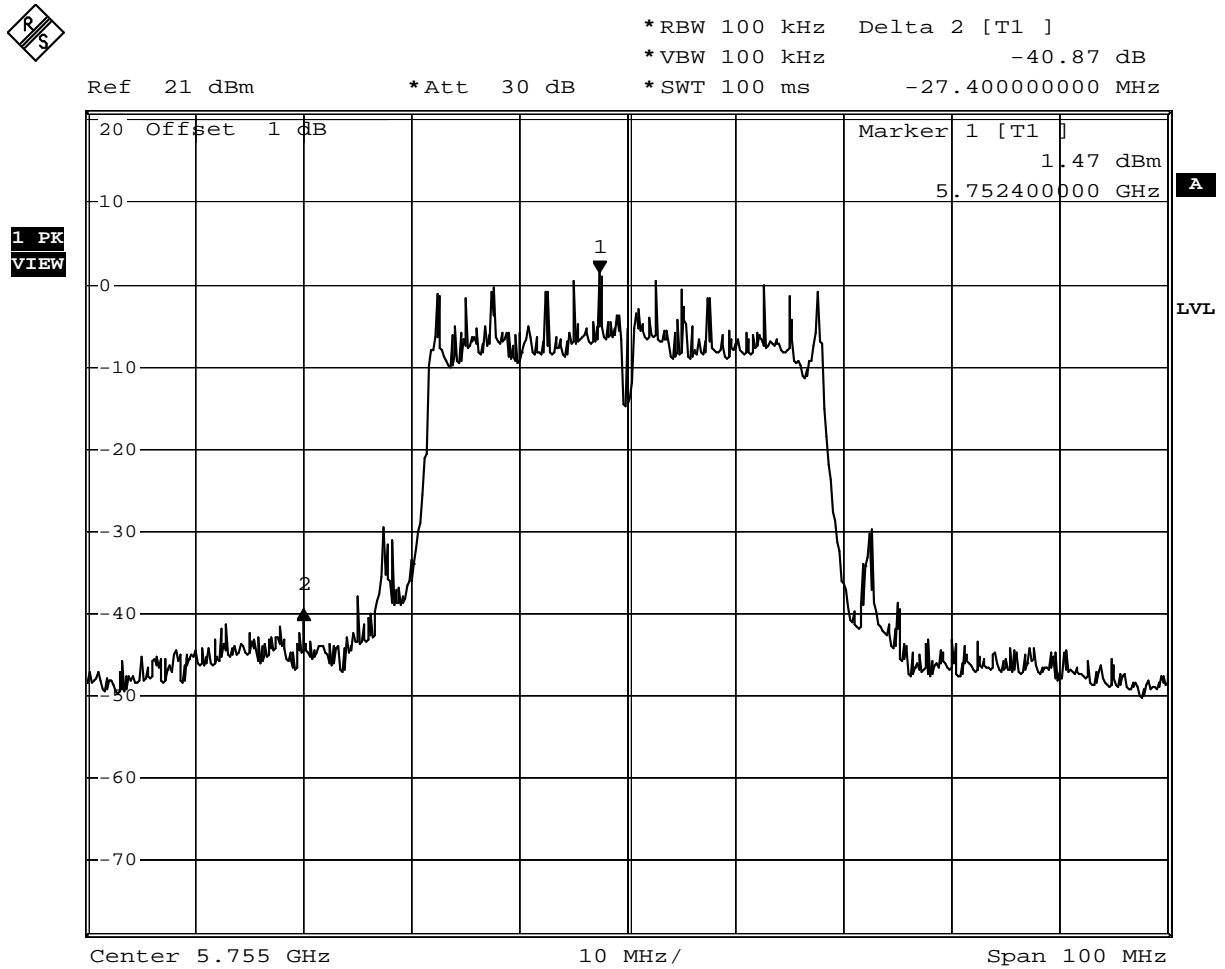
Center 5.825 GHz 10 MHz/ Span 100 MHz

Date: 12.NOV.2011 10:31:57

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	40.87	$\geq 20$	Pass
159	5795	51.05	$\geq 20$	Pass

### Channel 151 (5755MHz)



Date: 12.NOV.2011 10:36:53

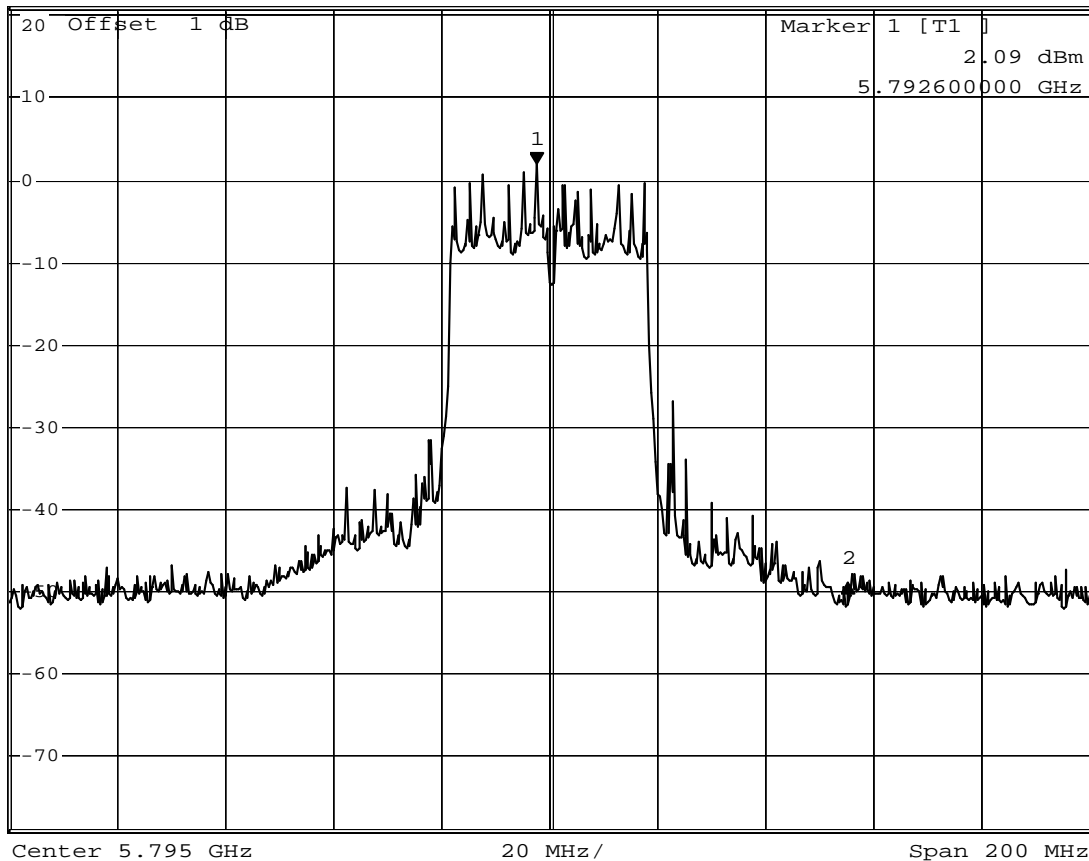
## Channel 159 (5795MHz)



\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -51.05 dB  
 \*SWT 100 ms 57.40000000 MHz

Ref 21 dBm

\*Att 30 dB

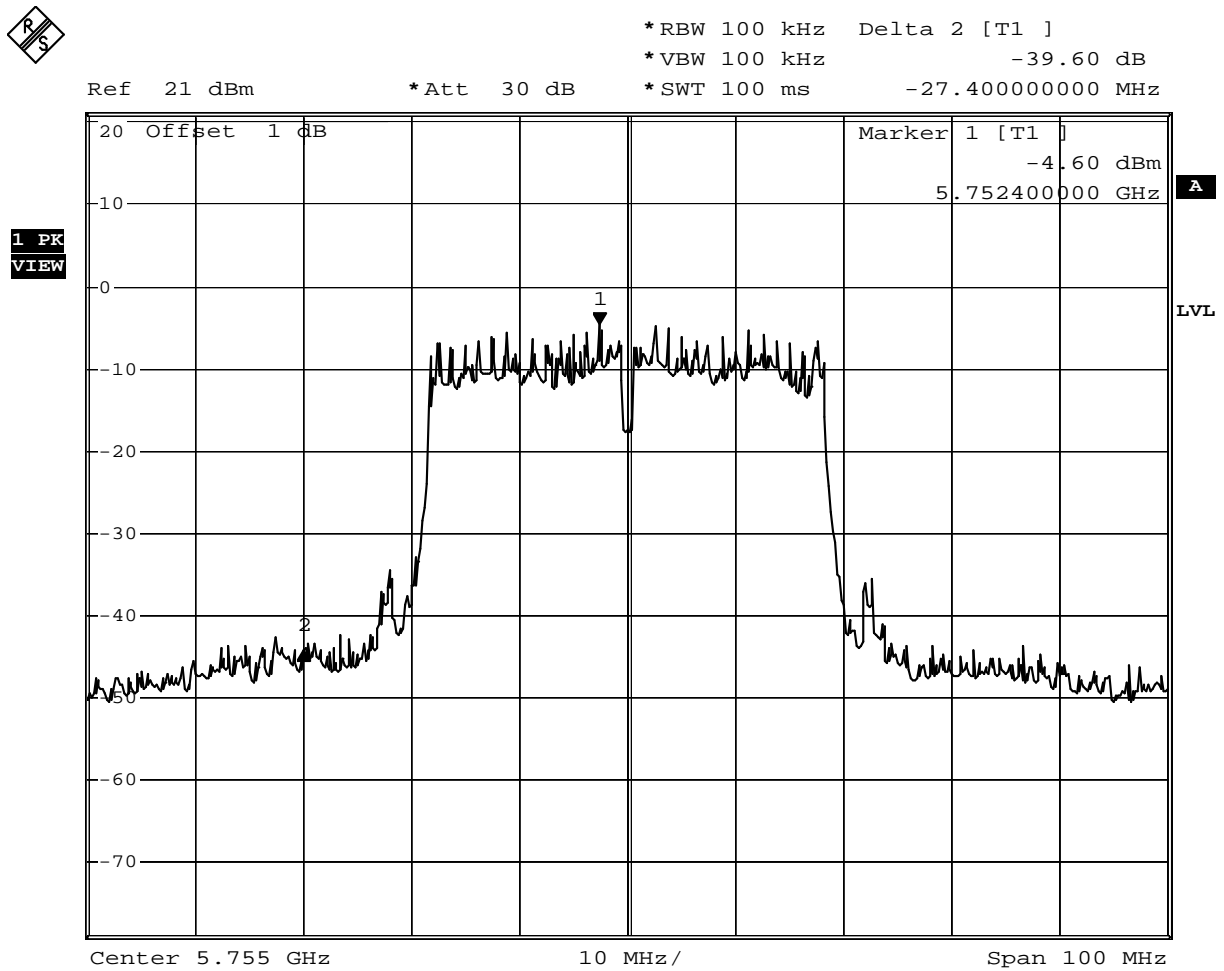


Date: 12.NOV.2011 10:39:45

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	39.60	$\geq 20$	Pass
159	5795	44.97	$\geq 20$	Pass

### Channel 151 (5755MHz)



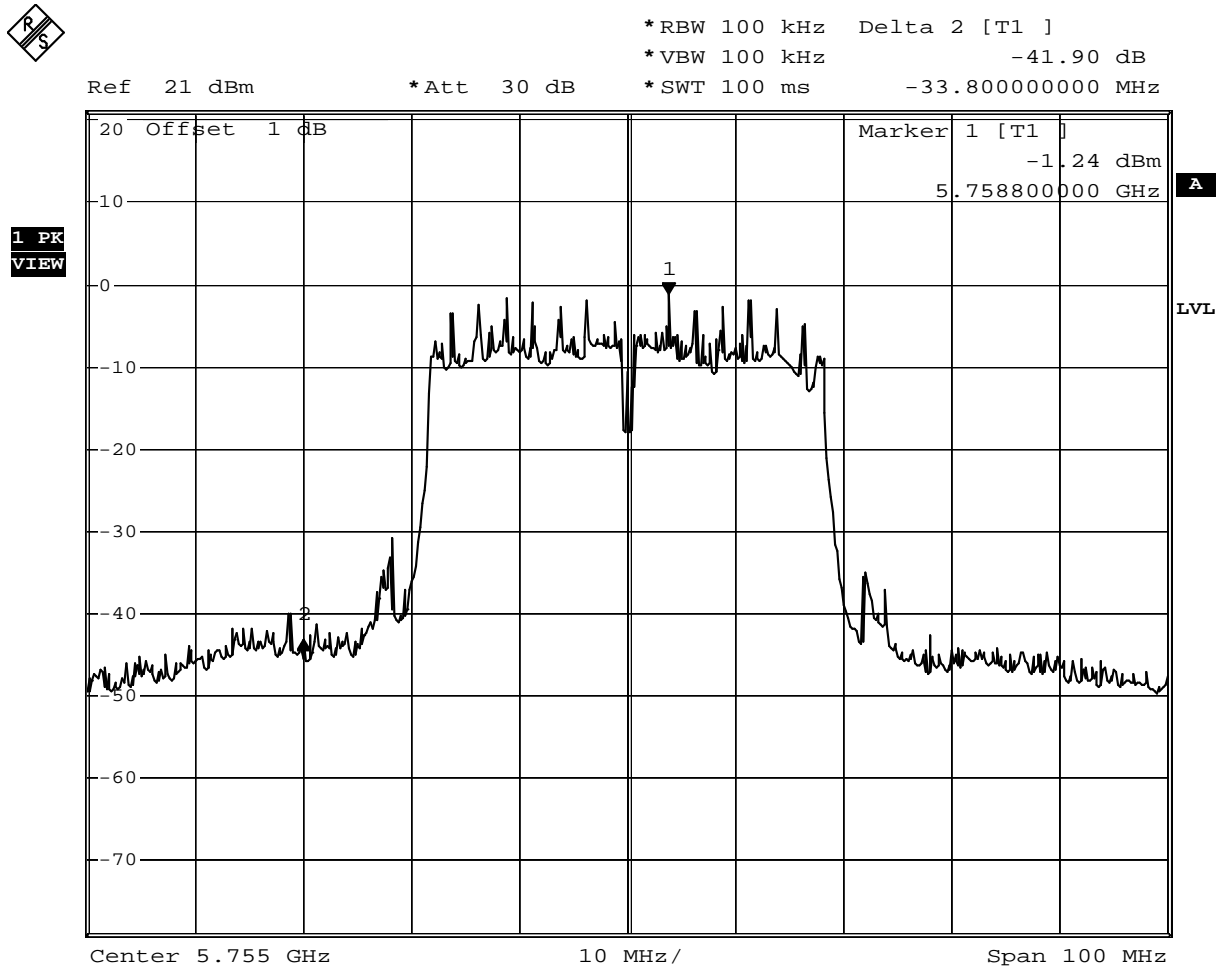
Date: 12.NOV.2011 10:37:45



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 2) Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	41.90	$\geq 20$	Pass
159	5795	48.86	$\geq 20$	Pass

### Channel 151 (5755MHz)



Date: 12.NOV.2011 10:37:18

Channel 159 (5795MHz)

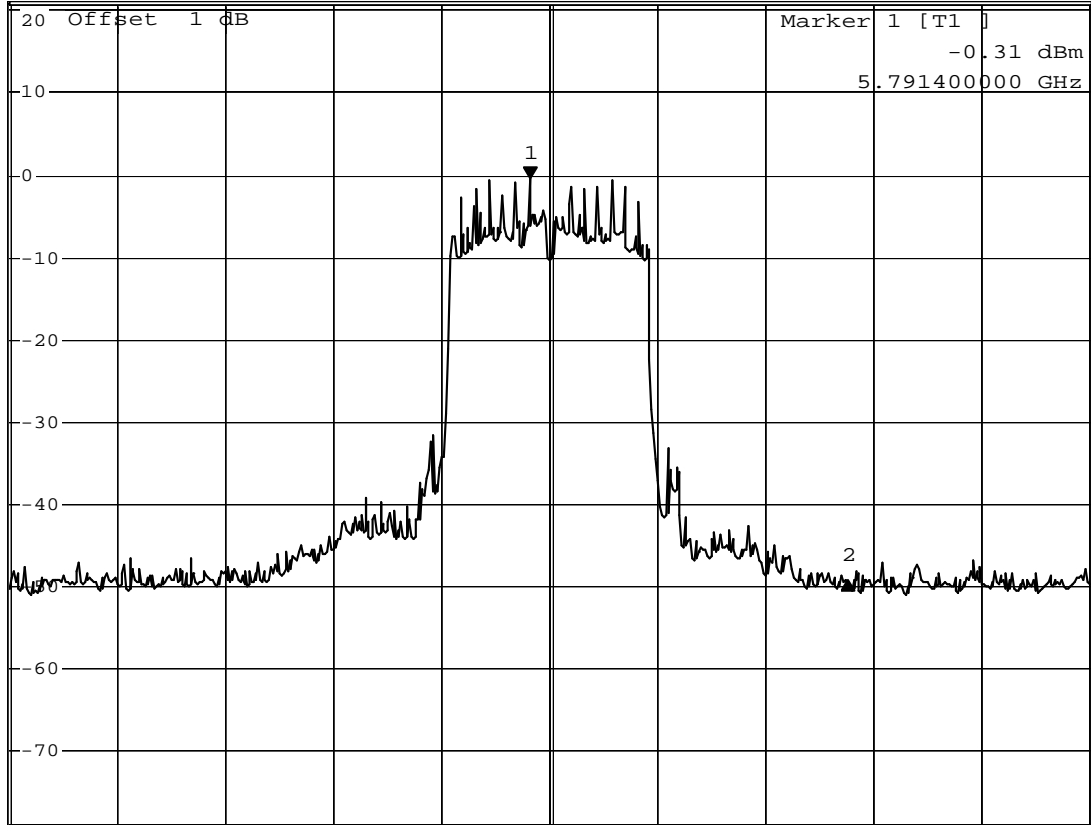


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -48.86 dB  
 \*SWT 100 ms 58.60000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



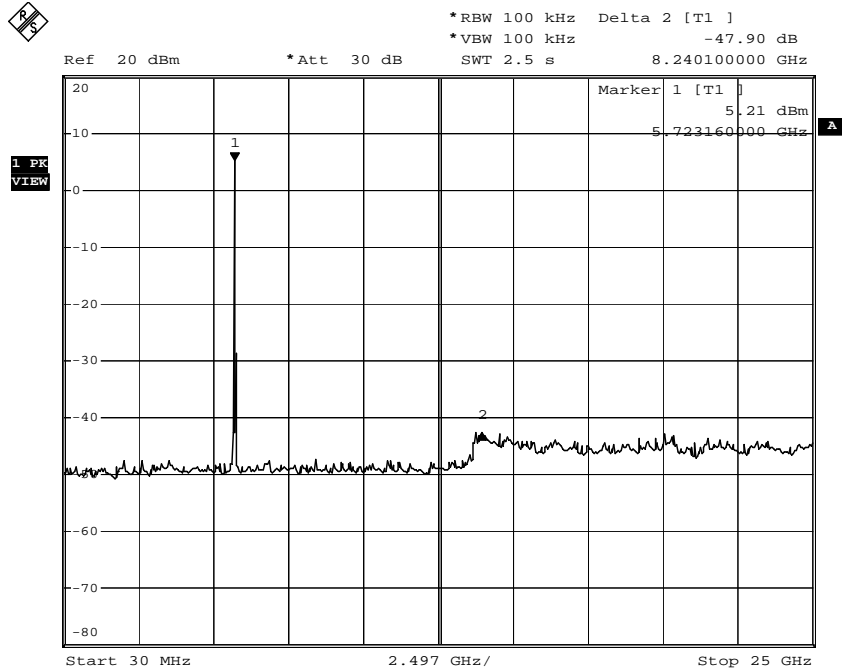
Center 5.795 GHz 20 MHz/ Span 200 MHz

Date: 12.NOV.2011 10:39:23



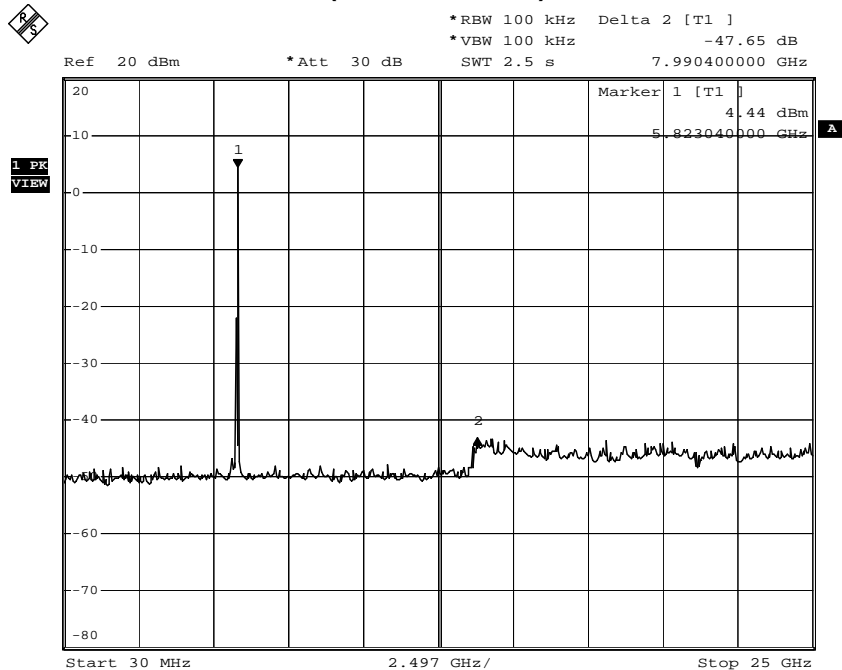
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

### 5745MHz (30MHz~25GHz)-802.11a



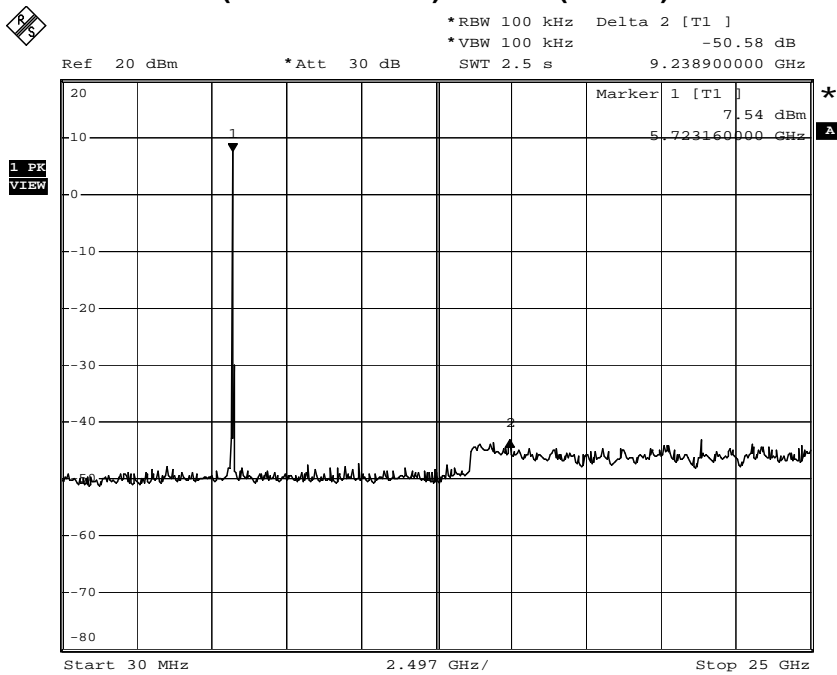
Comment: A:\2  
 Date: 16.NOV.2011 22:43:49

### 5825MHz (30MHz~25GHz)-802.11a



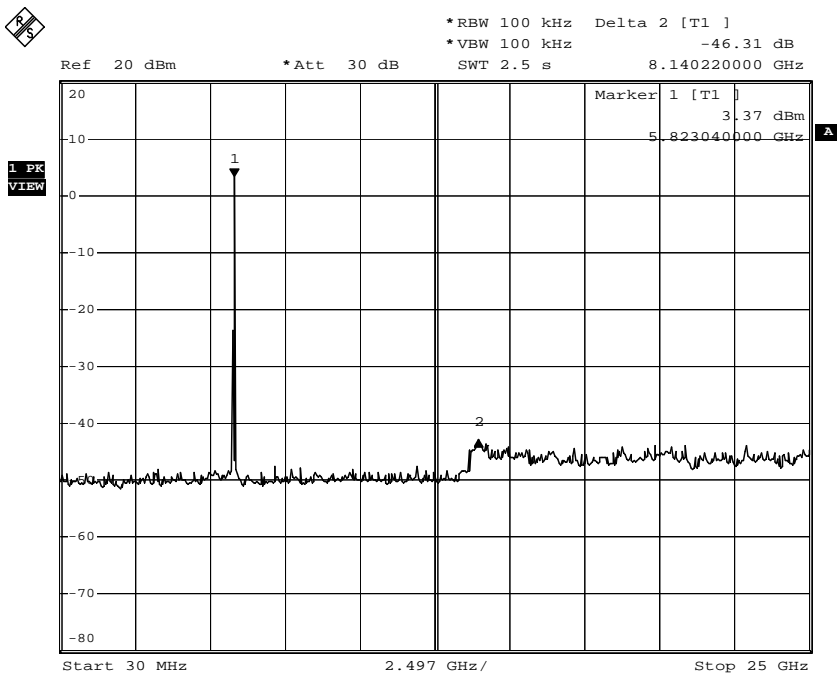
Comment: A:\2  
 Date: 16.NOV.2011 22:45:29

**5745MHz (30MHz~25GHz)-802.11n(20MHz)-ANT 0**



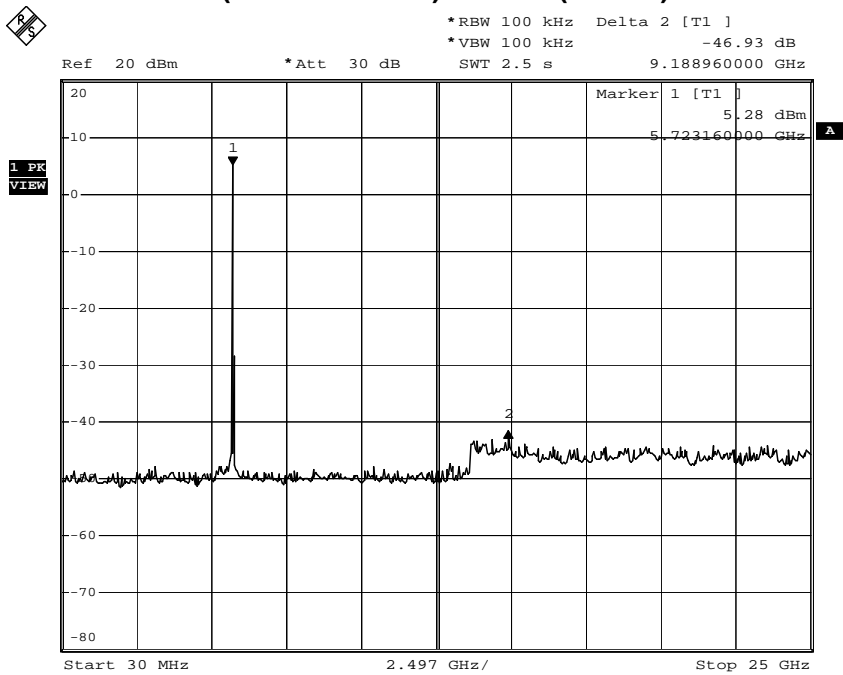
Comment: A:\2  
 Date: 16.NOV.2011 22:46:17

**5825MHz (30MHz~25GHz) -802.11n(20MHz)-ANT 0**



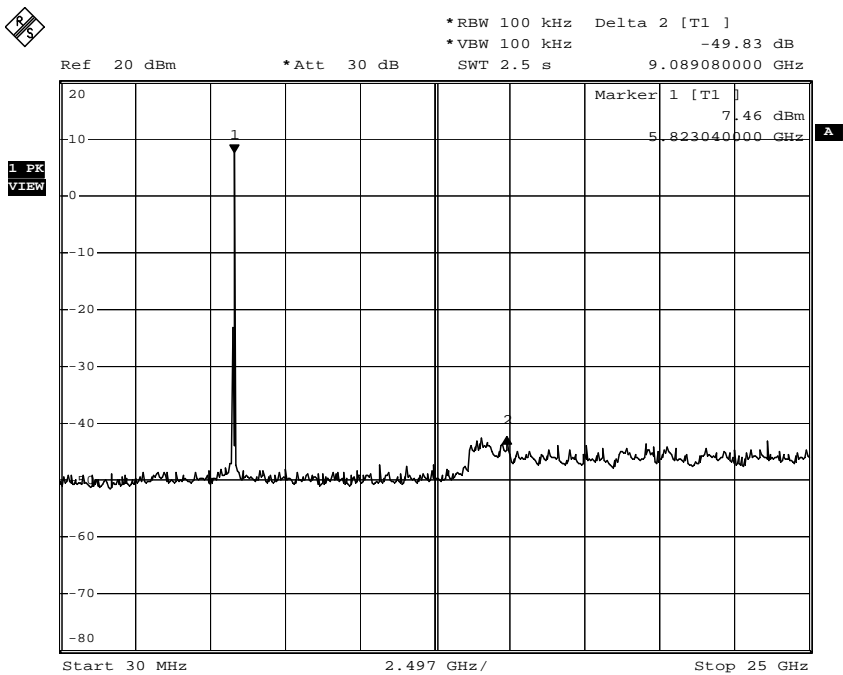
Comment: A:\2  
 Date: 16.NOV.2011 22:49:57

5745MHz (30MHz~25GHz)-802.11n(20MHz)-ANT 1



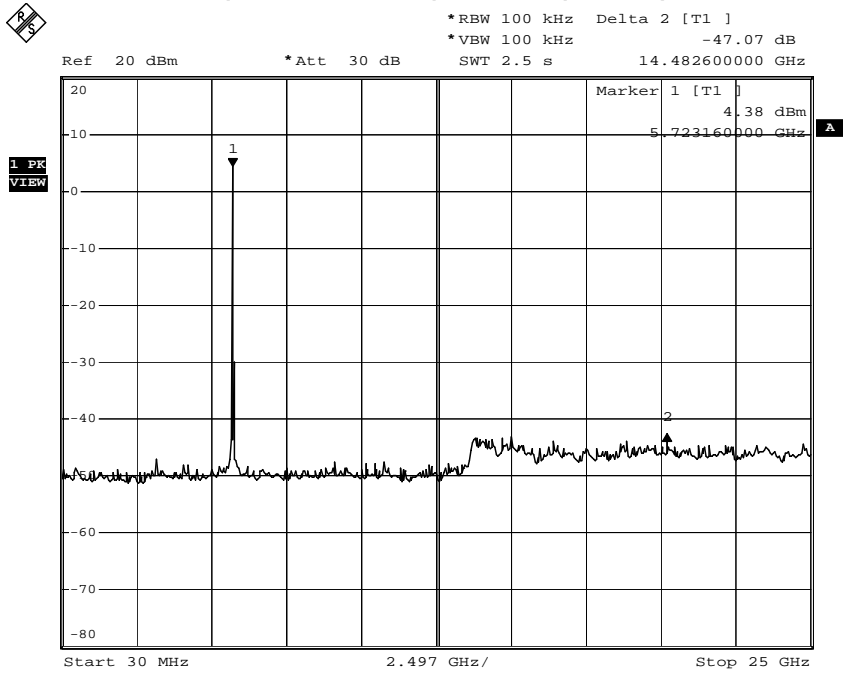
Comment: A:\2  
Date: 16.NOV.2011 22:48:11

5825MHz (30MHz~25GHz) -802.11n(20MHz)-ANT 1



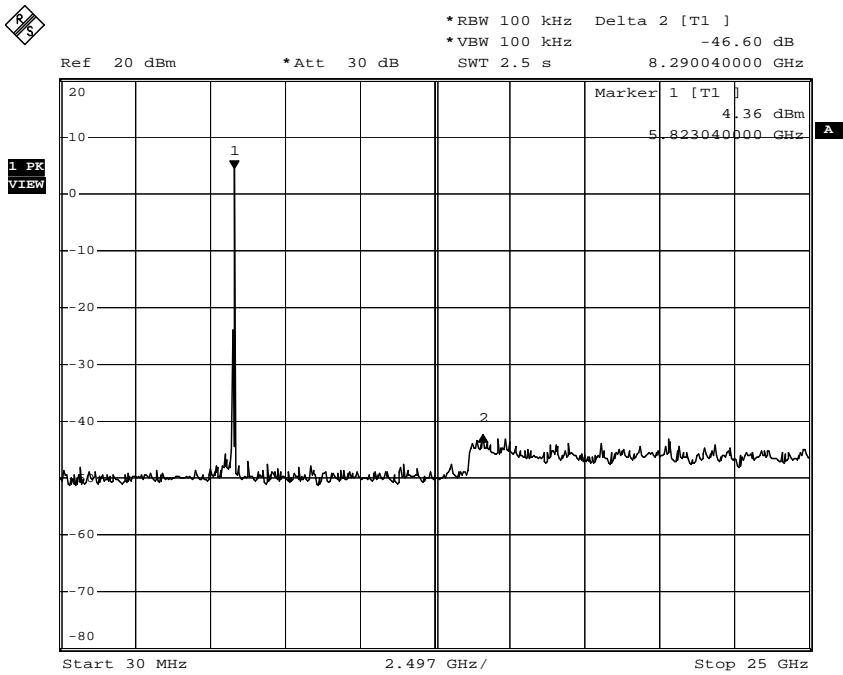
Comment: A:\2  
Date: 16.NOV.2011 22:48:49

**5745MHz (30MHz~25GHz)-802.11n(20MHz)-ANT 2**



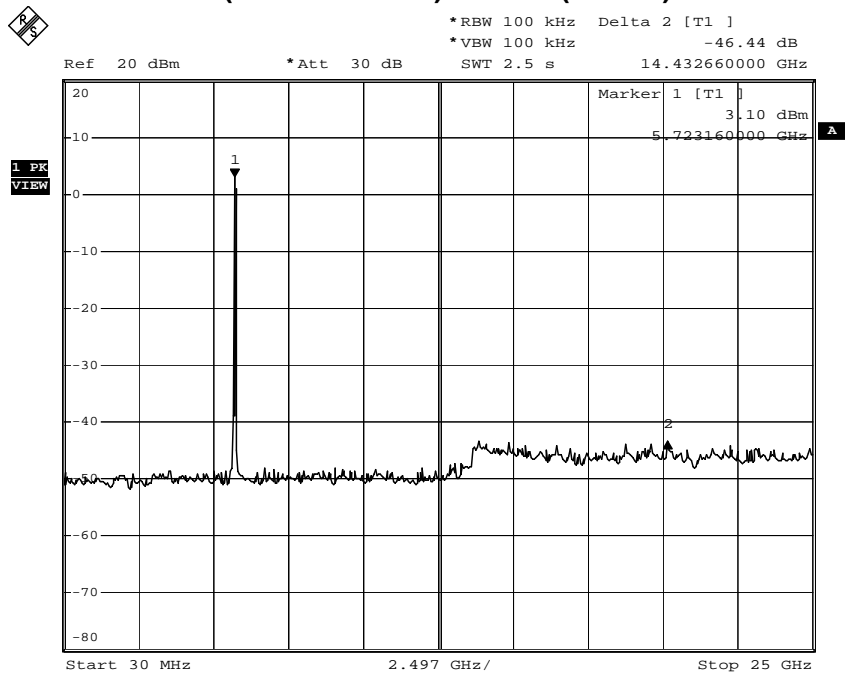
Comment: A:\2  
 Date: 16.NOV.2011 22:47:05

**5825MHz (30MHz~25GHz) -802.11n(20MHz)-ANT 2**



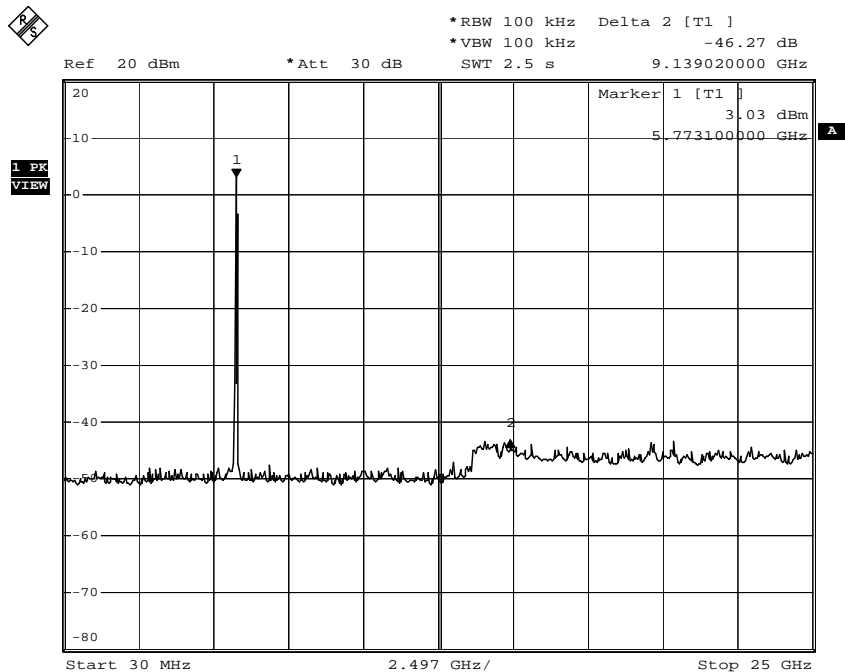
Comment: A:\2  
 Date: 16.NOV.2011 22:49:25

### 5755MHz (30MHz~25GHz)-802.11n(40MHz)-ANT 0



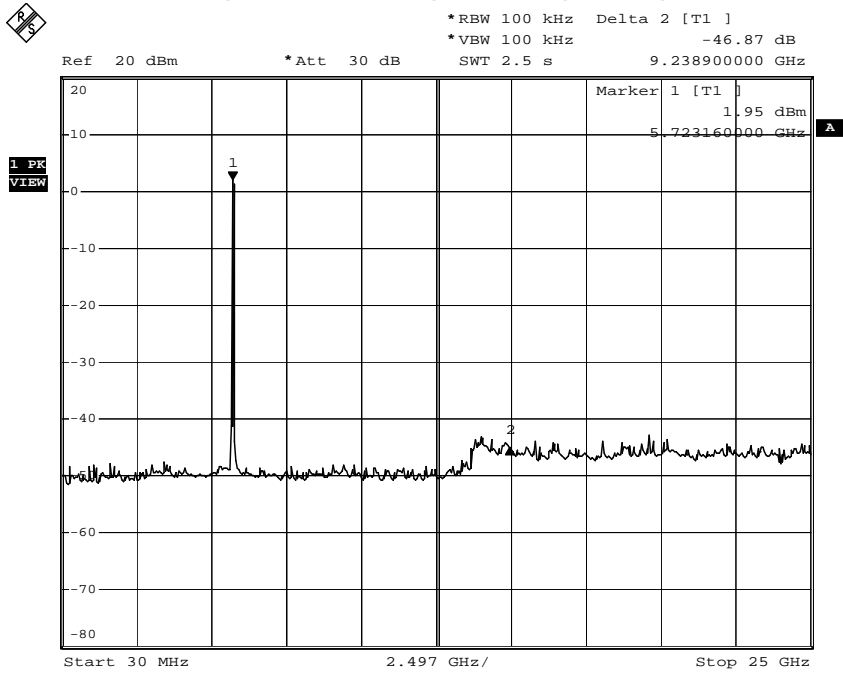
Comment: A:\2  
Date: 16.NOV.2011 22:50:50

### 5795MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 0



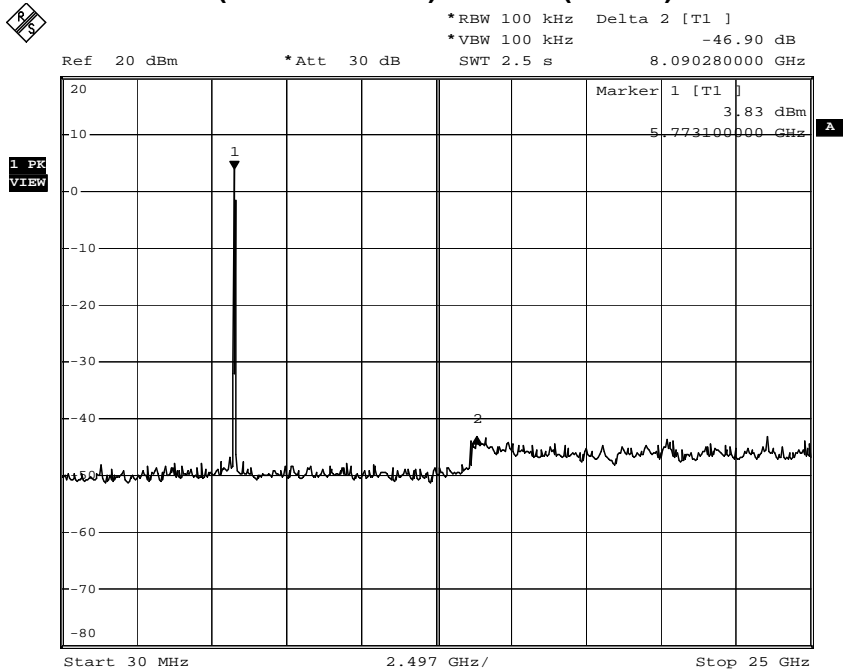
Comment: A:\2  
Date: 16.NOV.2011 22:53:54

**5755MHz (30MHz~25GHz)-802.11n(40MHz)-ANT 1**



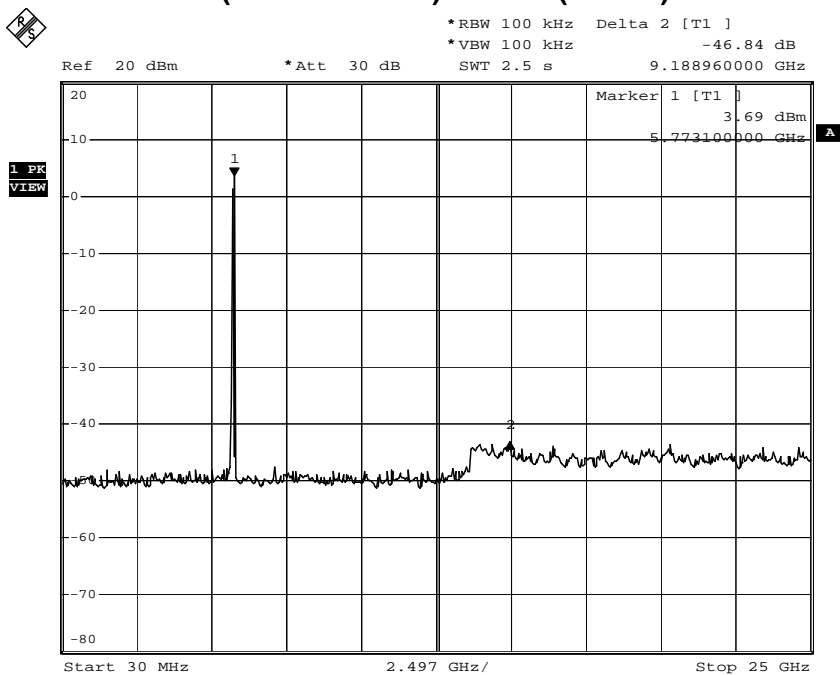
Comment: A:\2  
 Date: 16.NOV.2011 22:51:57

**5795MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 1**



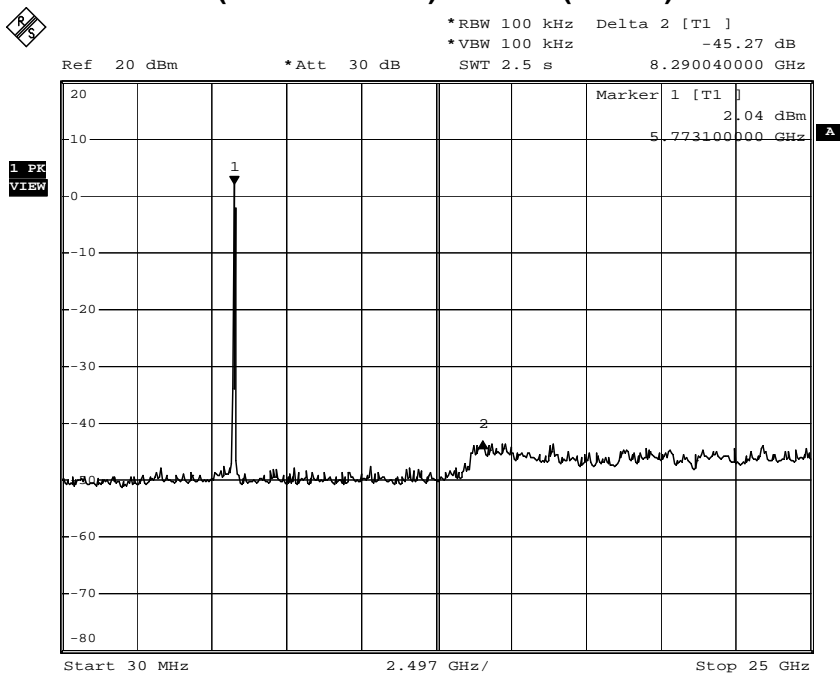
Comment: A:\2  
 Date: 16.NOV.2011 22:52:32

## 5755MHz (30MHz~25GHz)-802.11n(40MHz)-ANT 2



Comment: A:\2  
 Date: 16.NOV.2011 22:51:27

## 5795MHz (30MHz~25GHz) -802.11n(40MHz)-ANT 2



Comment: A:\2  
 Date: 16.NOV.2011 22:53:20

6. Band Edge

6.1. Test Equipment

The following test equipments are used during the test:

**Band Edge / CB1 (802.11n 40MHz)**

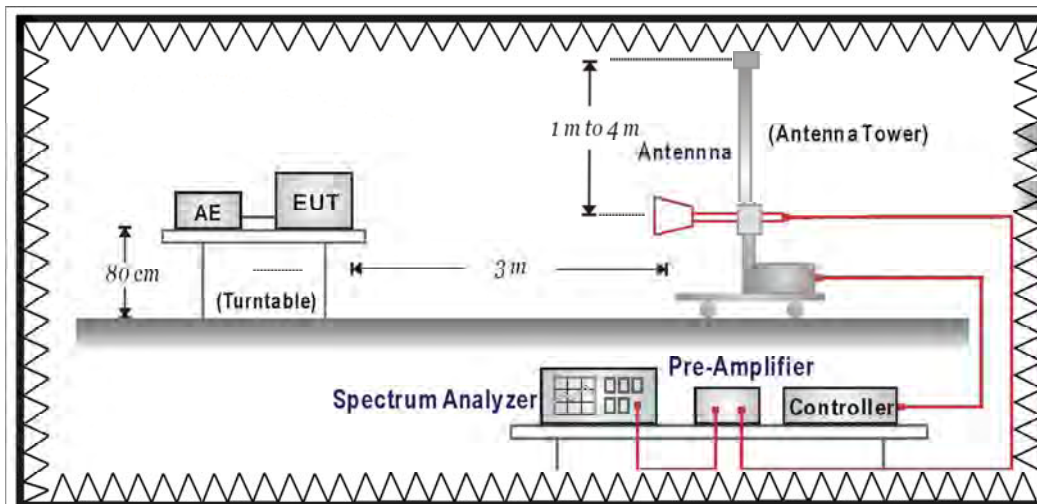
Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2014/02/17
Spectrum Analyzer	Agilent	E4440A	MY46187335	2015/01/12
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2014/02/21

**Band Edge / CB1 (Other)**

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2012/02/24
PSA Series Spectrum analyzer	Agilent	E4440A	MY46187335	2012/01/06
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2012/03/21

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

6.2. Test Setup





**6.3. Limits**

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

**6.4. Test Procedure**

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated measurement.

**6.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

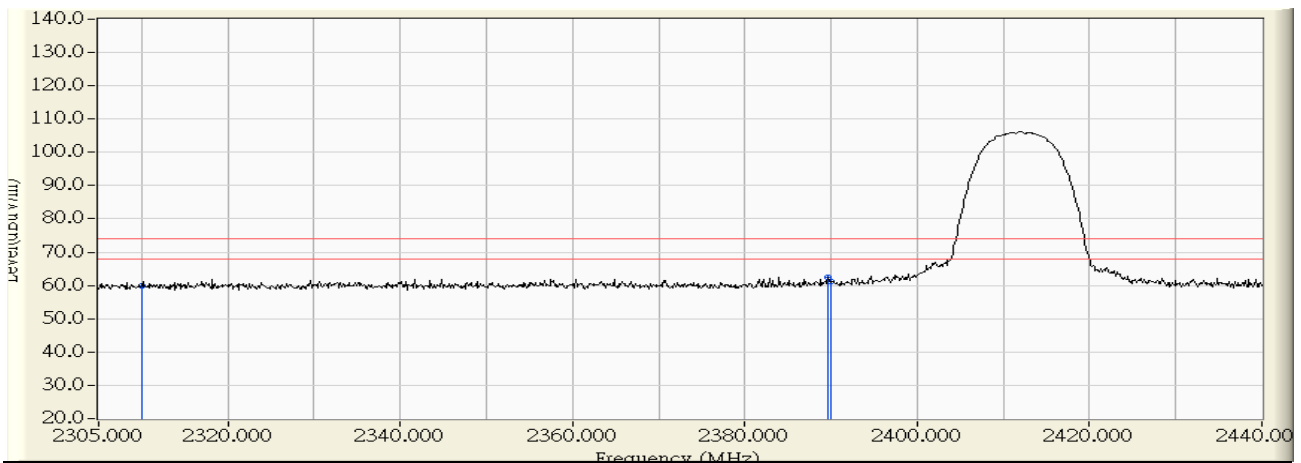
**6.6. Uncertainty**

The measurement uncertainty  
 $\pm 3.9$  dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	Time : 2011/11/09 - 15:22
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11b

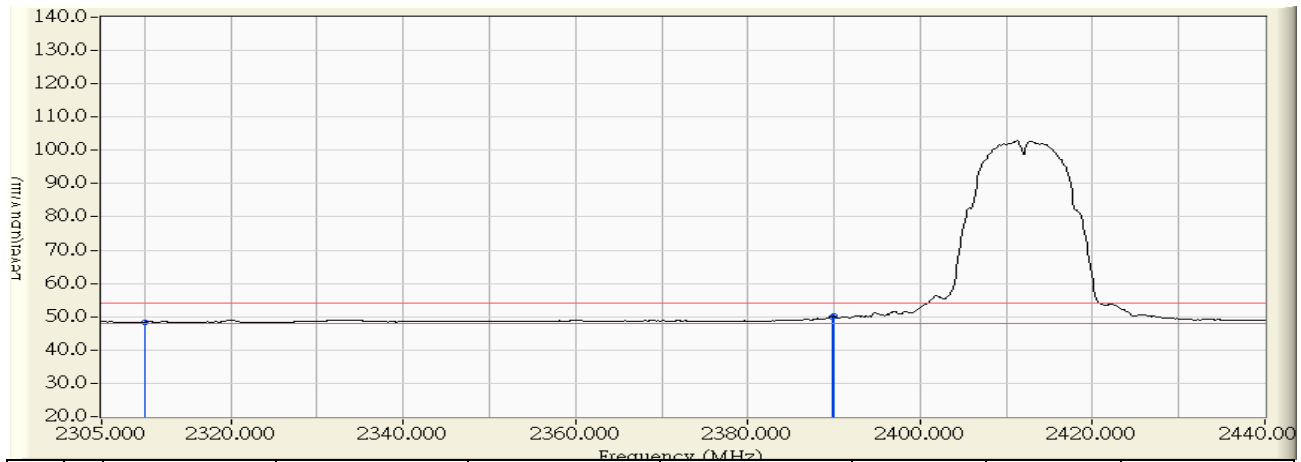


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	30.028	59.807	-14.193	74.000	PEAK
2	* 2389.645	30.575	31.750	62.324	-11.676	74.000	PEAK
3	2390.000	30.578	30.482	61.060	-12.940	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/09 - 15:23
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11b

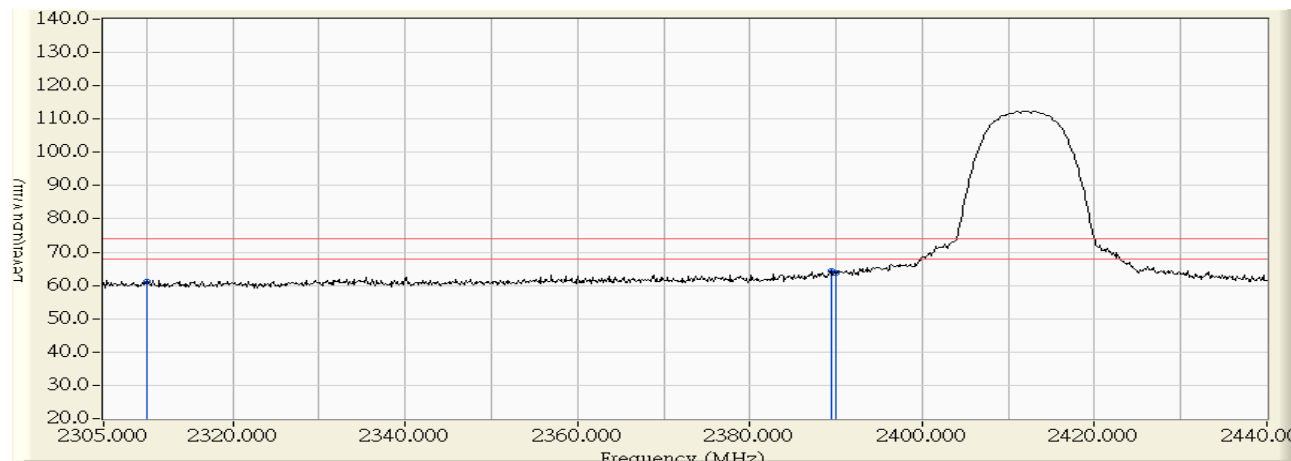


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	18.654	48.433	-5.567	54.000	AVERAGE
2	2389.780	30.576	19.438	50.014	-3.986	54.000	AVERAGE
3	* 2390.000	30.578	19.537	50.115	-3.885	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/09 - 15:16
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11b

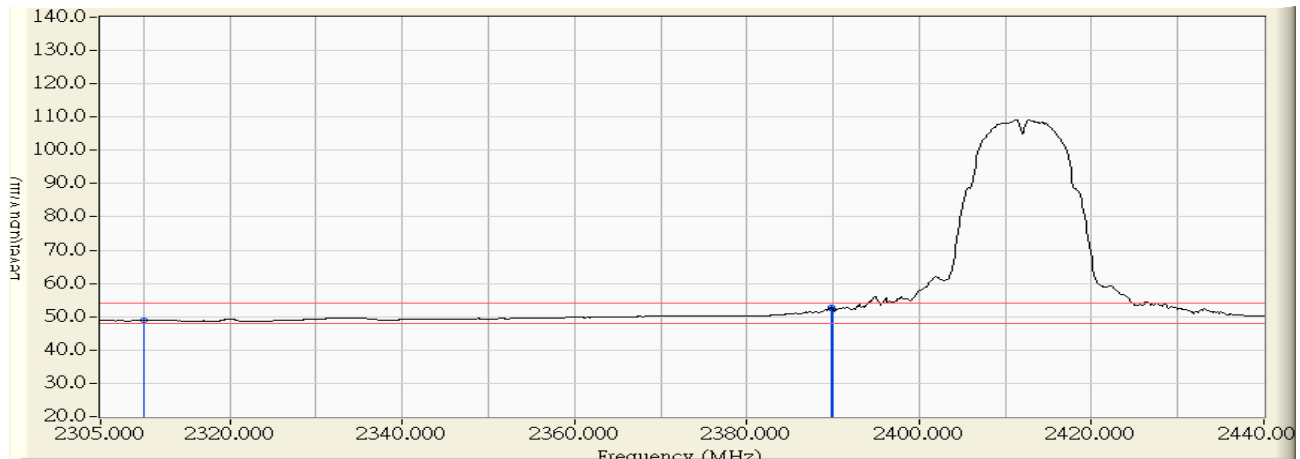


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	31.557	61.336	-12.664	74.000	PEAK
2	* 2389.375	30.571	33.696	64.268	-9.732	74.000	PEAK
3	2390.000	30.578	33.195	63.773	-10.227	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/09 - 15:16
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11b

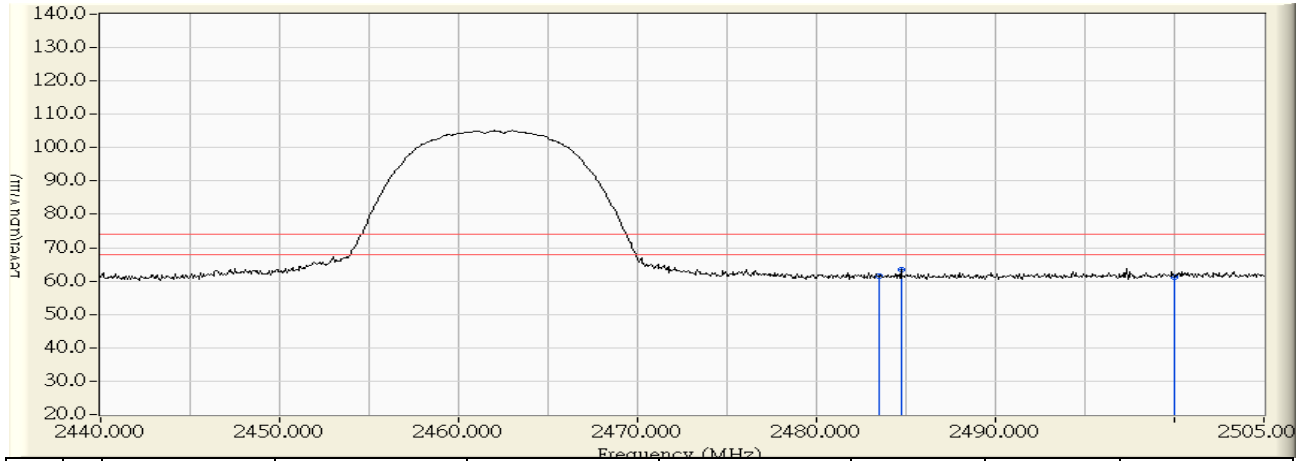


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	19.070	48.849	-5.151	54.000	AVERAGE
2	* 2389.780	30.576	22.195	52.771	-1.229	54.000	AVERAGE
3	2390.000	30.578	21.453	52.031	-1.969	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/09 - 15:29
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11b

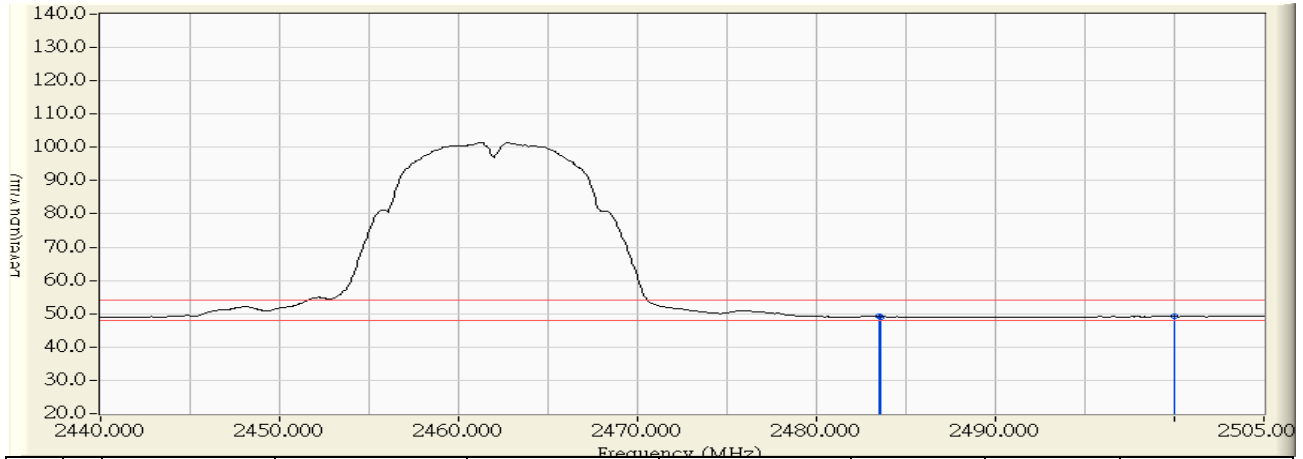


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.512	29.884	61.396	-12.604	74.000	PEAK
2	* 2484.720	31.524	31.999	63.523	-10.477	74.000	PEAK
3	2500.000	31.638	29.594	61.233	-12.767	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/09 - 15:30
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11b

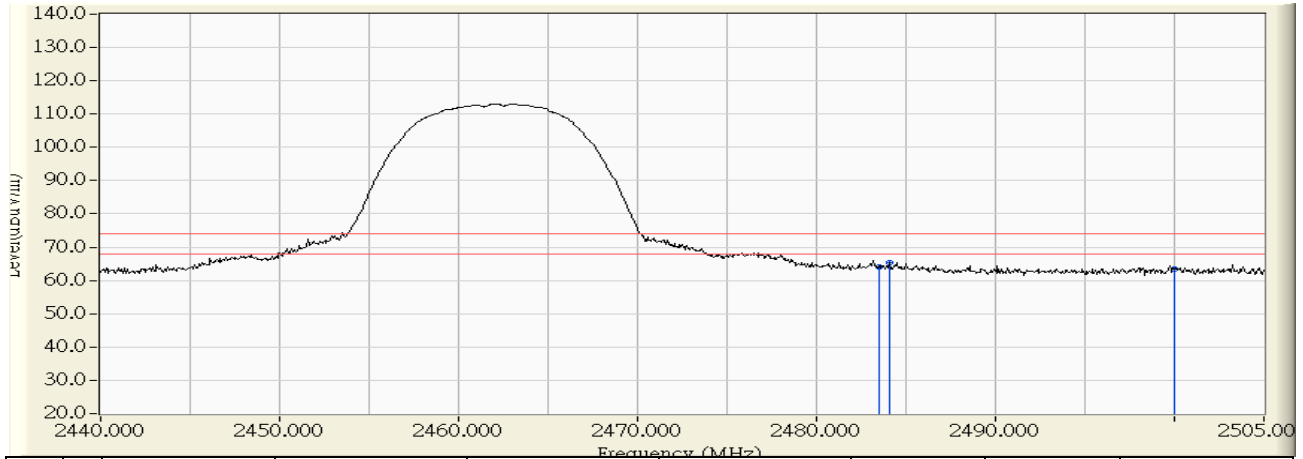


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.512	17.609	49.121	-4.879	54.000	AVERAGE
2	2483.550	31.513	17.599	49.111	-4.889	54.000	AVERAGE
3	* 2500.000	31.638	17.501	49.140	-4.860	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/09 - 15:27
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11b



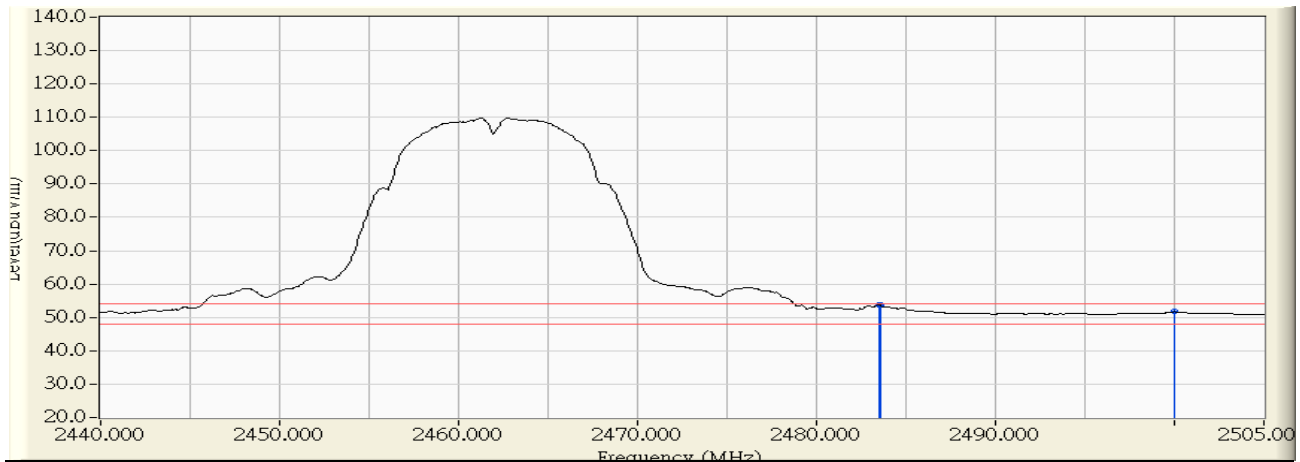
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.512	32.667	64.179	-9.821	74.000	PEAK
2	* 2484.070	31.517	33.866	65.384	-8.616	74.000	PEAK
3	2500.000	31.638	31.768	63.407	-10.593	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



Site : CB1	Time : 2011/11/09 - 15:27
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11b

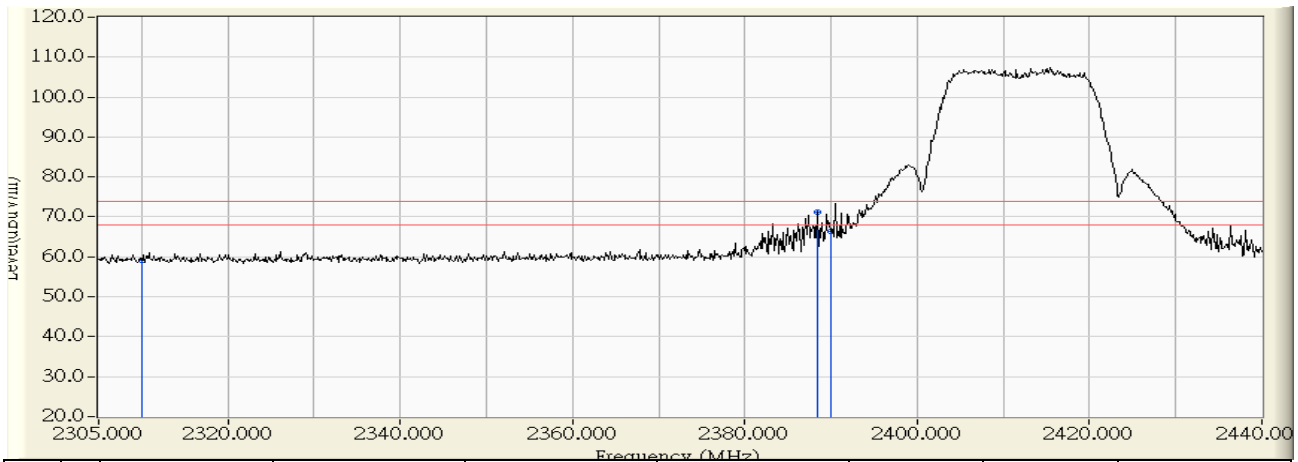


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	22.150	53.662	-0.338	54.000	AVERAGE
2		2483.550	31.513	22.138	53.650	-0.350	54.000	AVERAGE
3		2500.000	31.638	20.055	51.694	-2.306	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/07 - 11:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11g

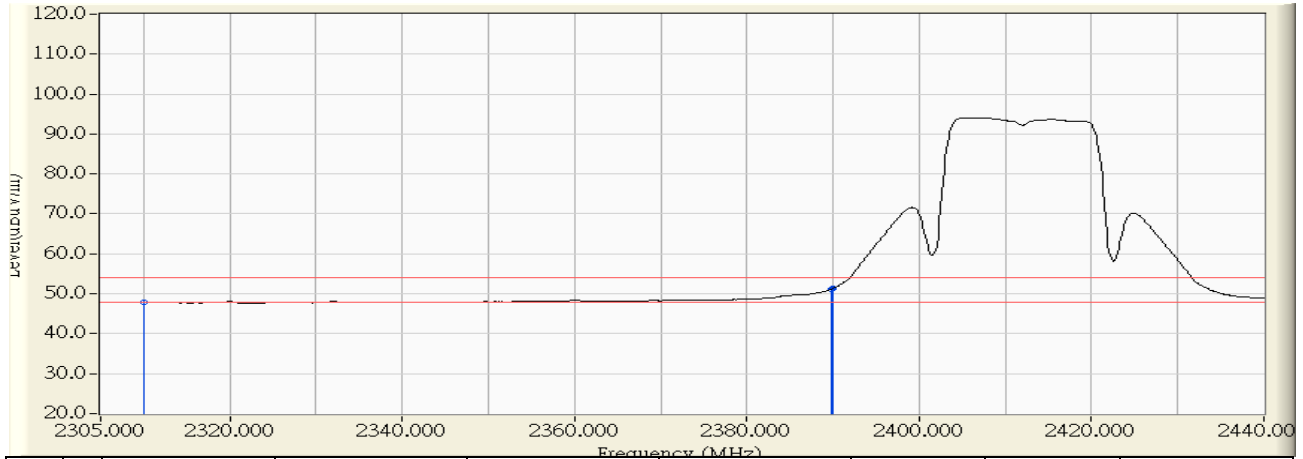


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	29.396	59.175	-14.825	74.000	PEAK
2	* 2388.430	30.563	40.774	71.336	-2.664	74.000	PEAK
3	2390.000	30.578	35.792	66.370	-7.630	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/07 - 11:52
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11g

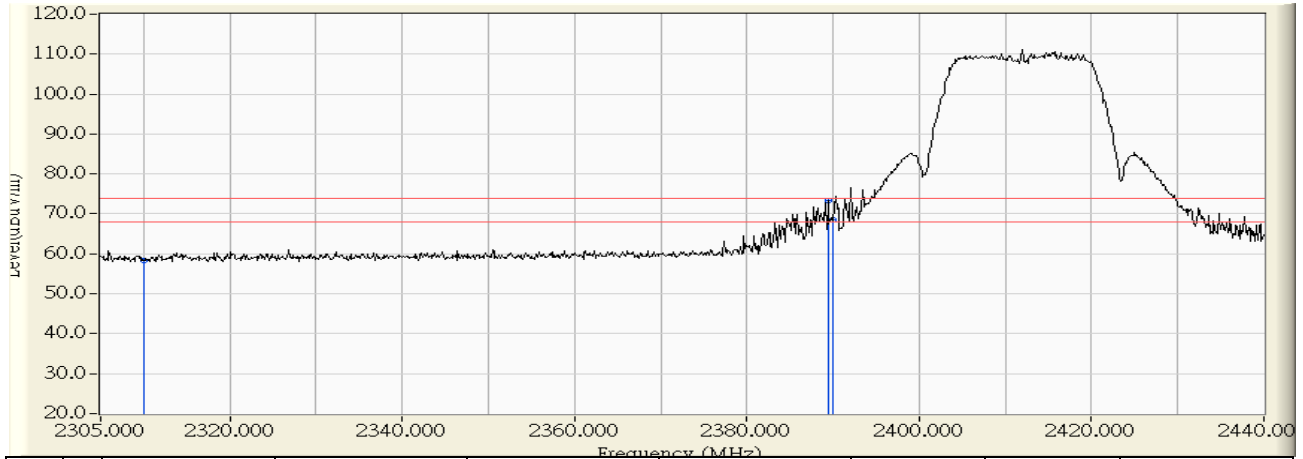


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	18.039	47.818	-6.182	54.000	AVERAGE
2	2389.780	30.576	20.550	51.126	-2.874	54.000	AVERAGE
3	* 2390.000	30.578	20.783	51.361	-2.639	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/07 - 11:47
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11g

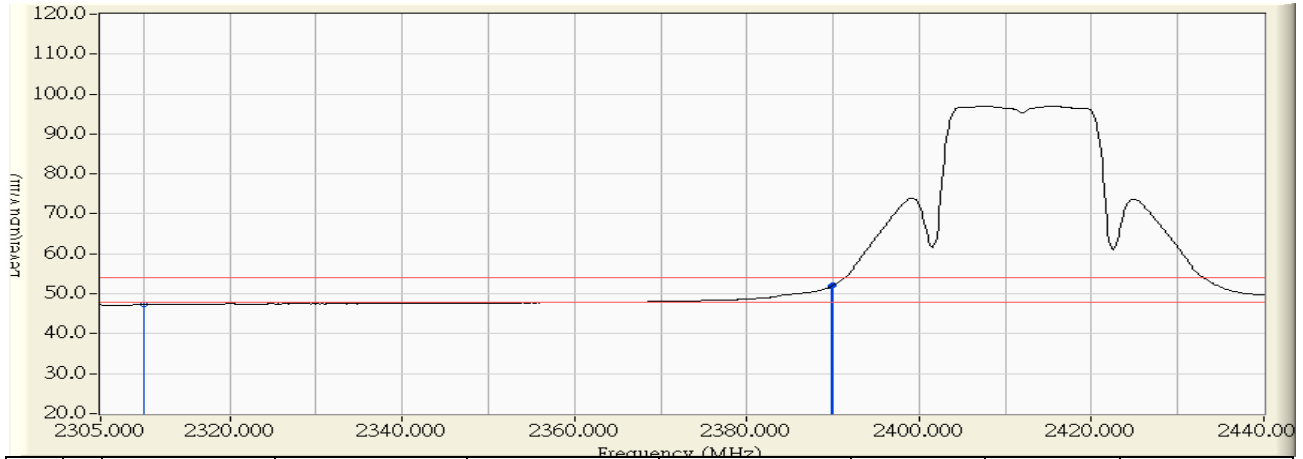


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	28.606	58.385	-15.615	74.000	PEAK
2	* 2389.375	30.571	42.695	73.267	-0.733	74.000	PEAK
3	2390.000	30.578	37.930	68.508	-5.492	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/07 - 11:48
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11g

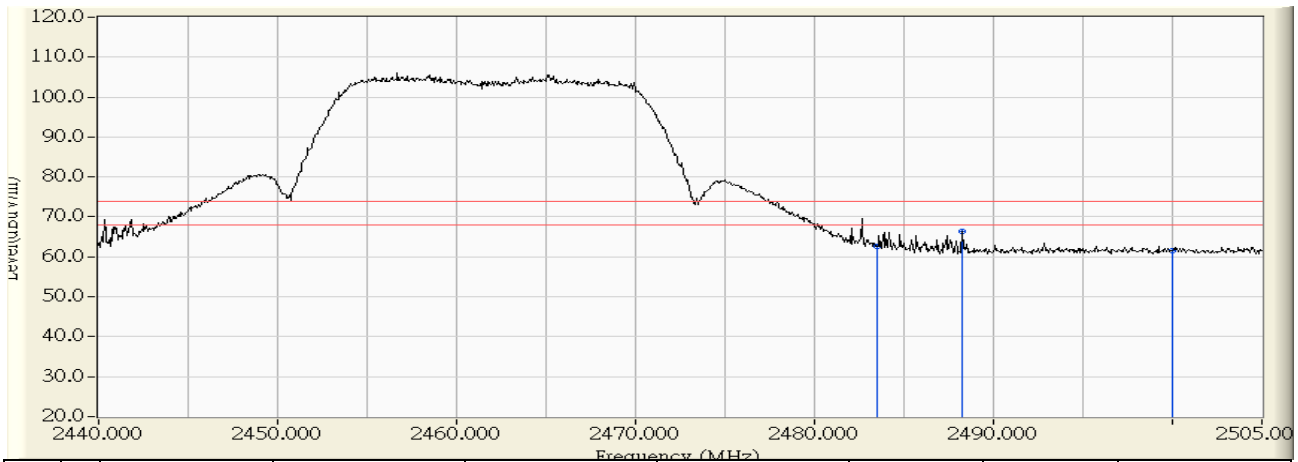


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	17.483	47.262	-6.738	54.000	AVERAGE
2	2389.780	30.576	21.304	51.880	-2.120	54.000	AVERAGE
3	* 2390.000	30.578	21.592	52.170	-1.830	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/07 - 13:08
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11g

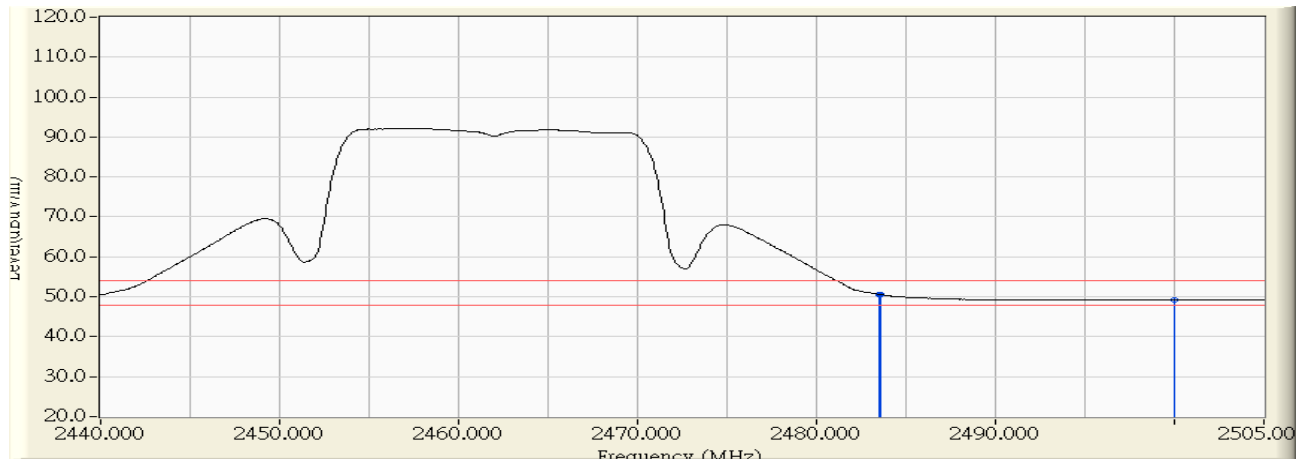


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.512	31.158	62.670	-11.330	74.000	PEAK
2	* 2488.230	31.559	34.820	66.379	-7.621	74.000	PEAK
3	2500.000	31.638	29.870	61.509	-12.491	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/07 - 13:09
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11g

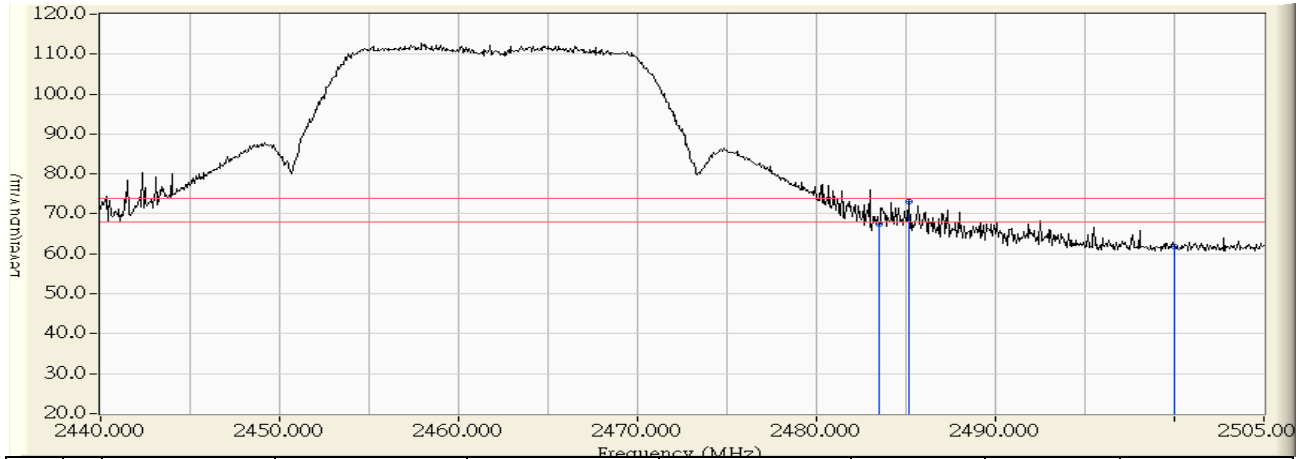


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	19.080	50.592	-3.408	54.000	AVERAGE
2		2483.550	31.513	19.063	50.575	-3.425	54.000	AVERAGE
3		2500.000	31.638	17.625	49.264	-4.736	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/07 - 13:04
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11g



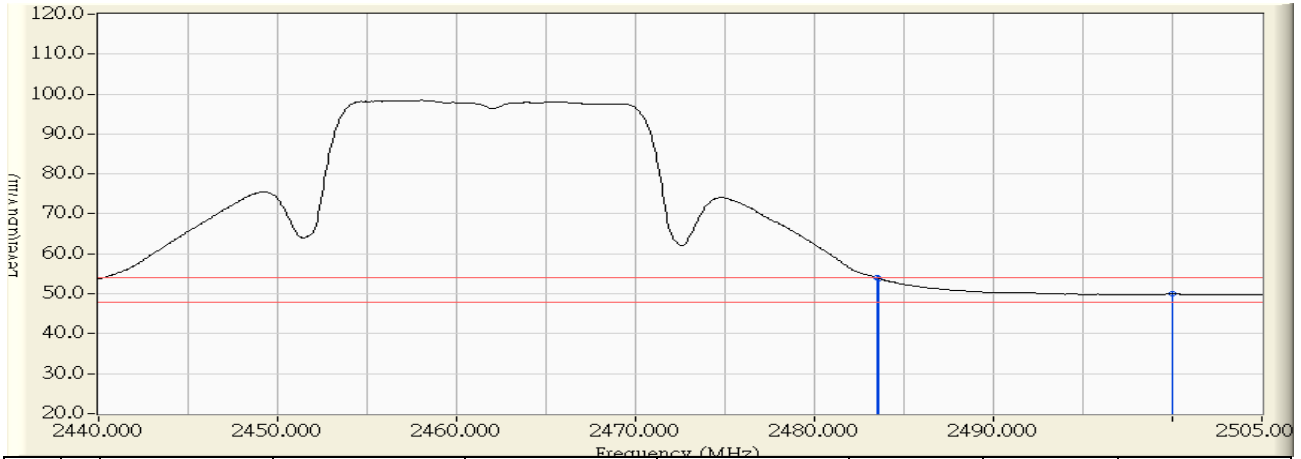
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.512	35.865	67.377	-6.623	74.000	PEAK
2	* 2485.175	31.529	41.677	73.206	-0.794	74.000	PEAK
3	2500.000	31.638	30.121	61.760	-12.240	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



Site : CB1	Time : 2011/11/07 - 13:05
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11g

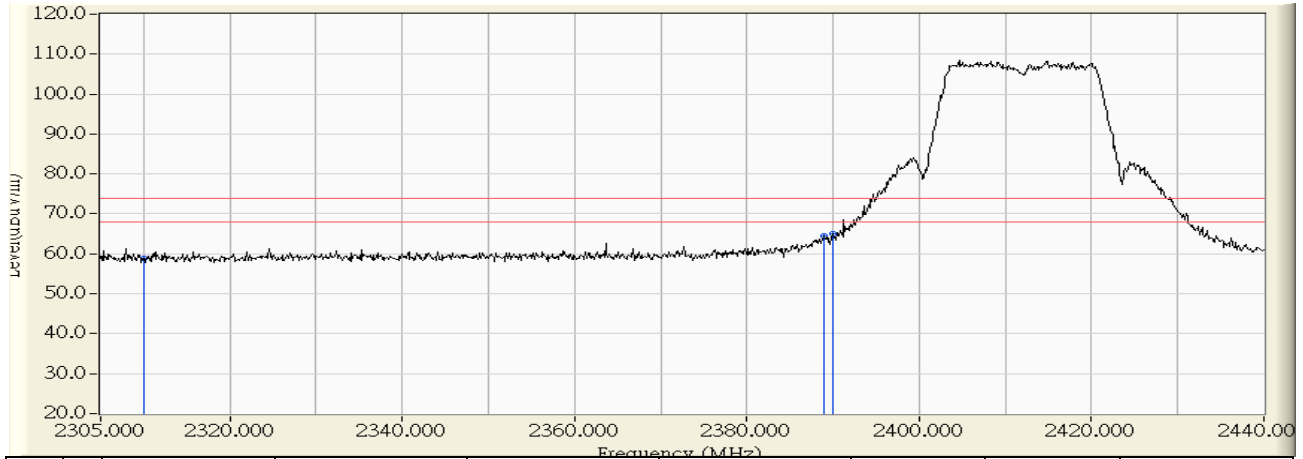


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	22.406	53.918	-0.082	54.000	AVERAGE
2		2483.550	31.513	22.340	53.852	-0.148	54.000	AVERAGE
3		2500.000	31.638	18.344	49.983	-4.017	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/08 - 13:24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11n(20MHz)

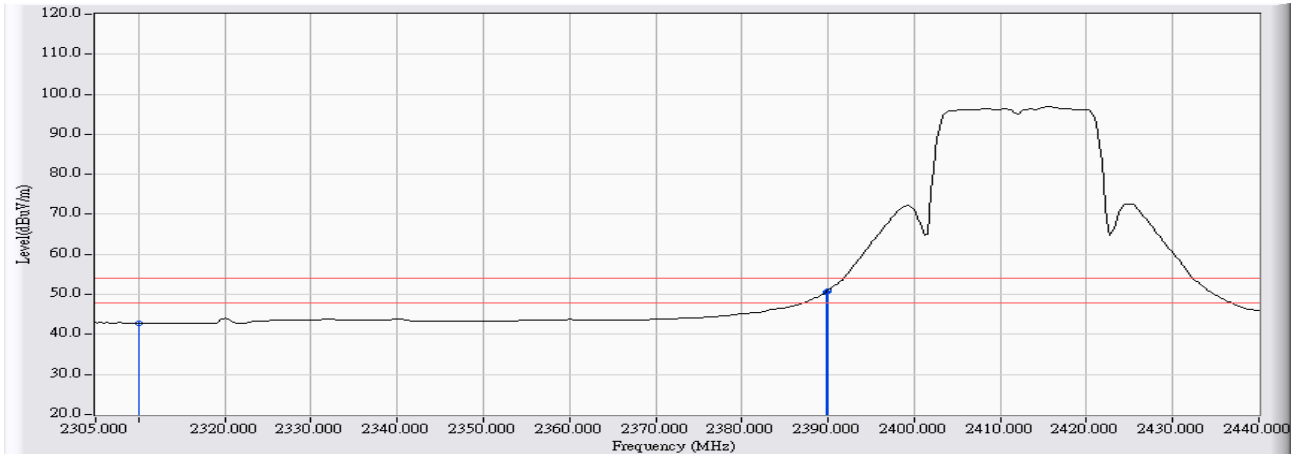


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	28.962	58.741	-15.259	74.000	PEAK
2	2388.970	30.568	33.853	64.421	-9.579	74.000	PEAK
3	* 2390.000	30.578	34.342	64.920	-9.080	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/08 - 13:25
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11n(20MHz)

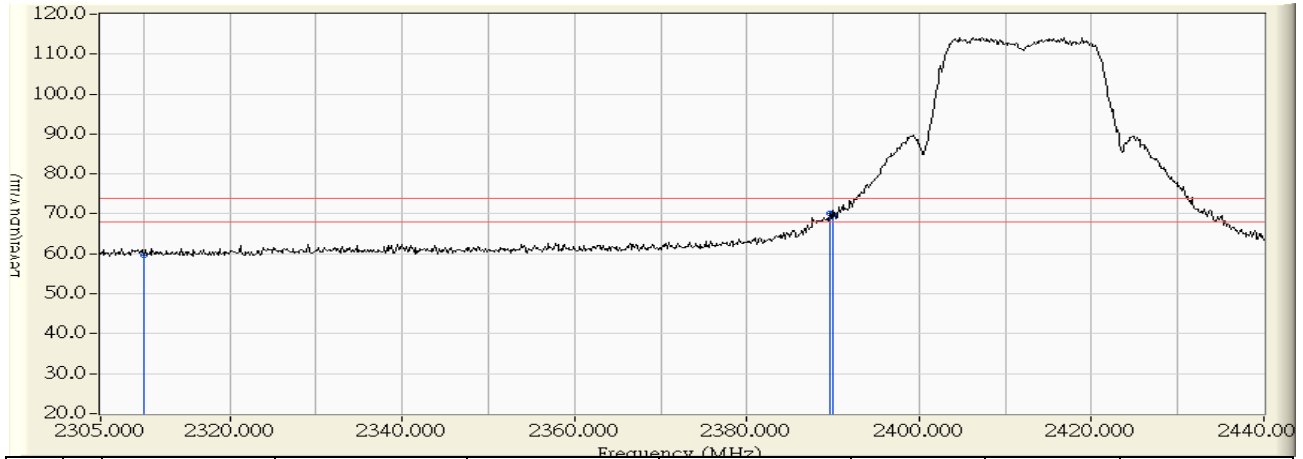


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	14.632	42.895	-11.105	54.000	AVERAGE
2	2389.825	28.574	22.111	50.686	-3.314	54.000	AVERAGE
3	* 2390.000	28.575	22.367	50.942	-3.058	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/08 - 13:21
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11n(20MHz)

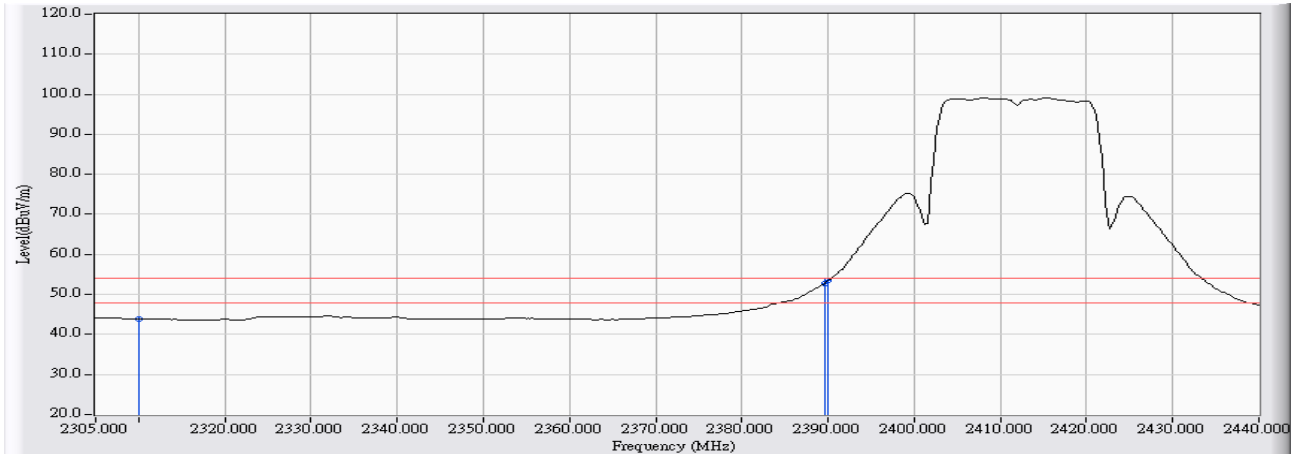


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.779	29.975	59.754	-14.246	74.000	PEAK
2	* 2389.645	30.575	39.567	70.141	-3.859	74.000	PEAK
3	2390.000	30.578	39.278	69.856	-4.144	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/08 - 13:22
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2412MHz,802.11n(20MHz)

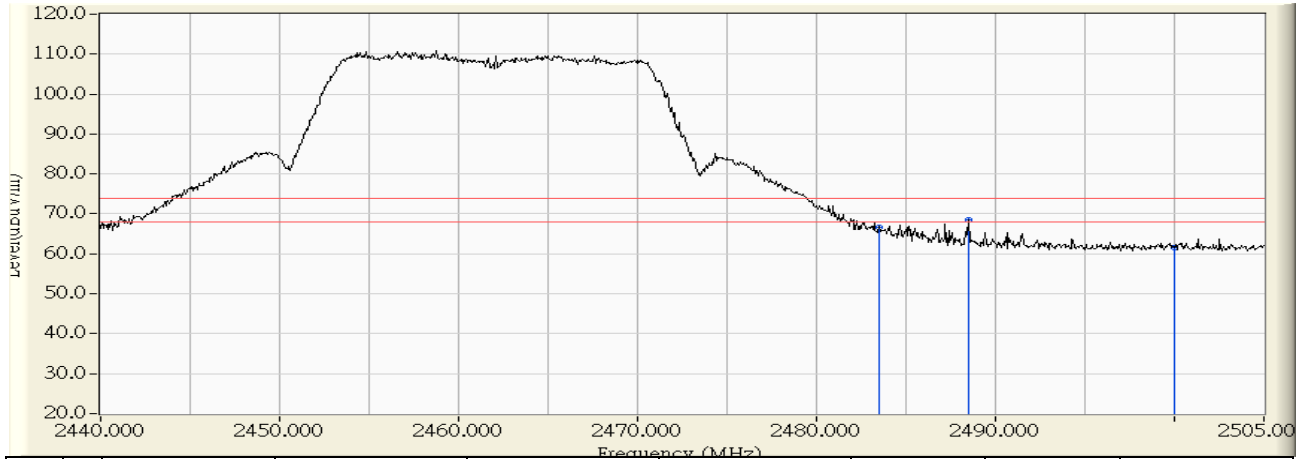


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.263	15.681	43.944	-10.056	54.000	AVERAGE
2	2389.600	28.574	24.220	52.794	-1.206	54.000	AVERAGE
3	* 2390.000	28.575	24.844	53.419	-0.581	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/08 - 13:45
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11n(20MHz)

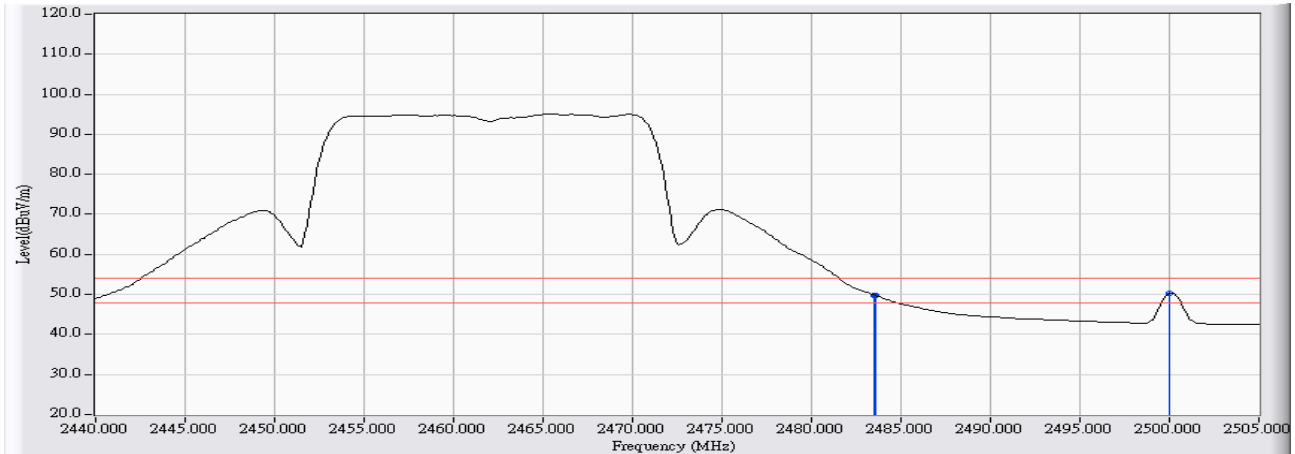


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.512	35.201	66.713	-7.287	74.000	PEAK
2	* 2488.490	31.562	36.966	68.528	-5.472	74.000	PEAK
3	2500.000	31.638	29.887	61.526	-12.474	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/08 - 13:45
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11n(20MHz)

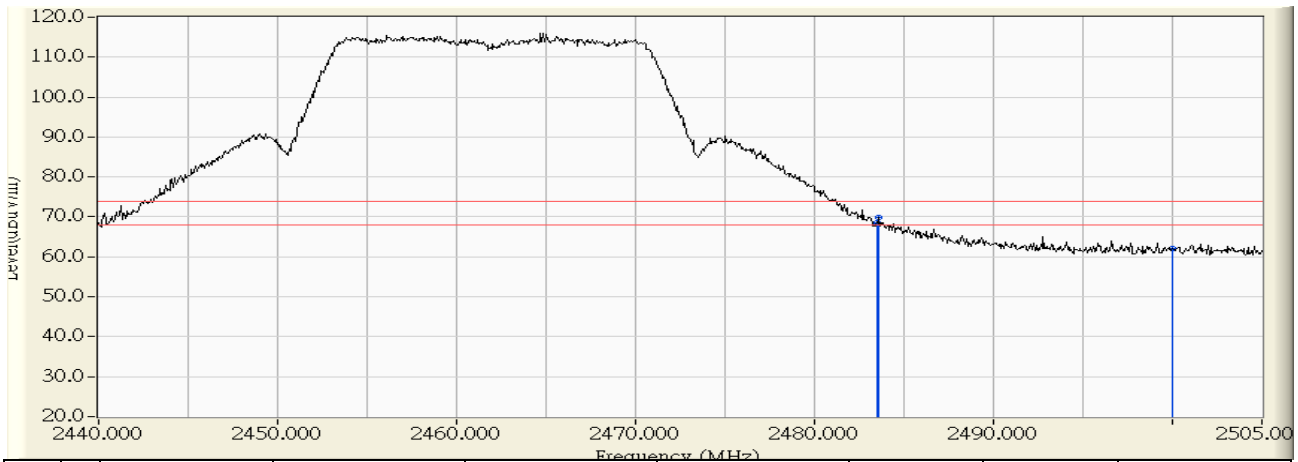


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.716	21.079	49.795	-4.205	54.000	AVERAGE
2	2483.550	28.716	20.973	49.689	-4.311	54.000	AVERAGE
3	* 2500.000	28.729	21.547	50.276	-3.724	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2011/11/08 - 13:28
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11n(20MHz)



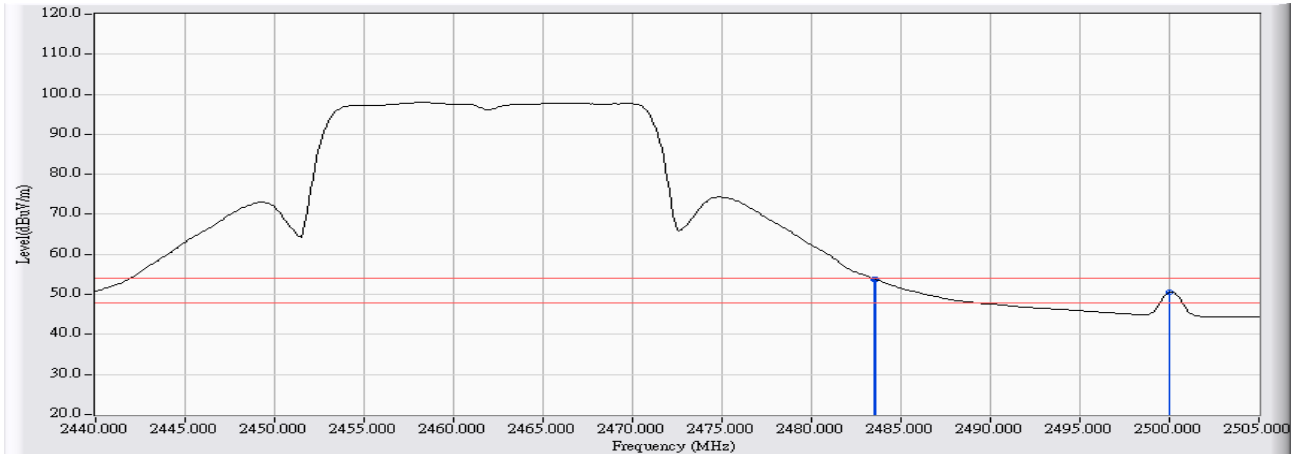
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.512	37.016	68.528	-5.472	74.000	PEAK
2	* 2483.615	31.513	38.342	69.855	-4.145	74.000	PEAK
3	2500.000	31.638	30.464	62.103	-11.897	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



Site : CB1	Time : 2011/11/08 - 13:29
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2462MHz,802.11n(20MHz)

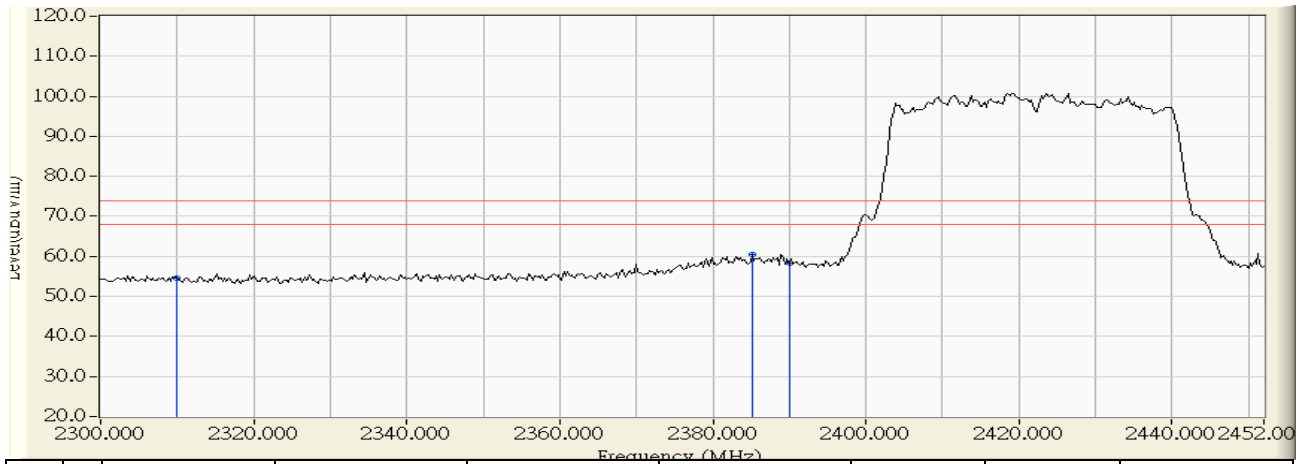


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.716	25.156	53.872	-0.128	54.000	AVERAGE
2		2483.550	28.716	25.071	53.787	-0.213	54.000	AVERAGE
3		2500.000	28.729	21.765	50.494	-3.506	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2014/01/24 - 10:17
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2422MHz 802.11n(40MHz)

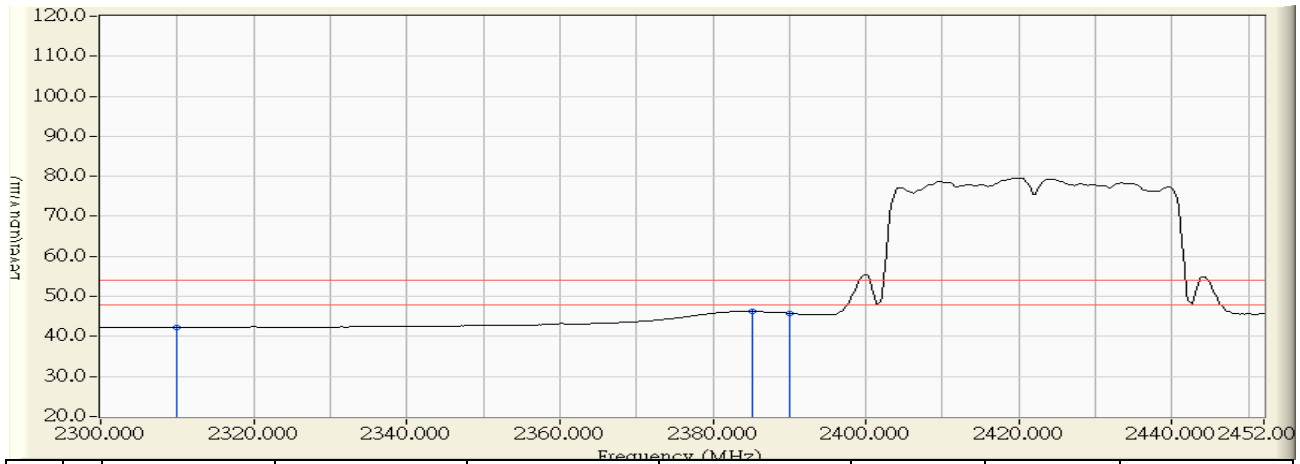


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	24.486	54.545	-19.455	74.000	PEAK
2	* 2385.120	30.838	29.538	60.376	-13.624	74.000	PEAK
3	2390.000	30.888	27.401	58.289	-15.711	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2014/01/24 - 10:19
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2422MHz 802.11n(40MHz)

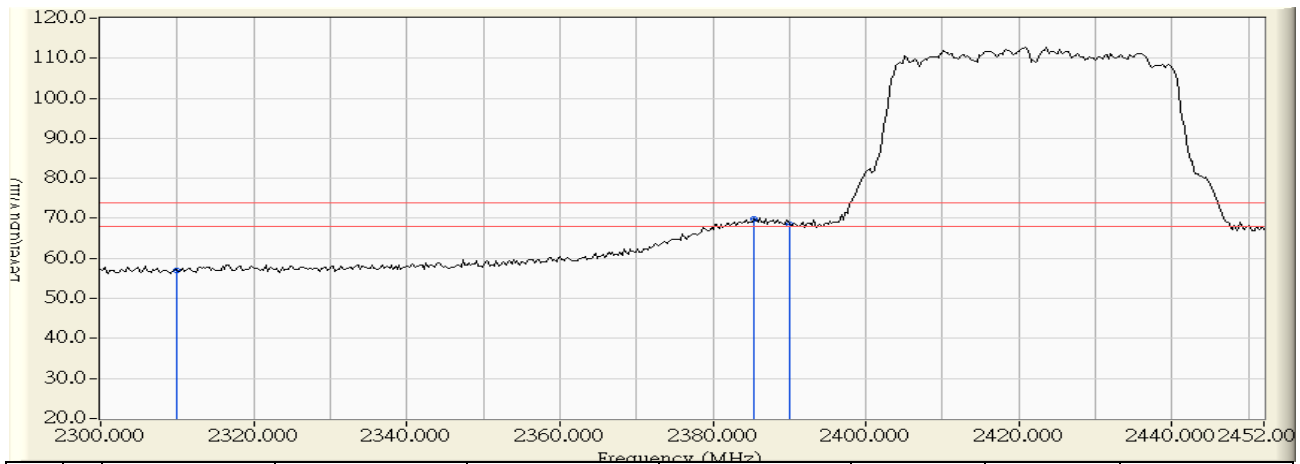


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	12.081	42.140	-11.860	54.000	AVERAGE
2	* 2385.120	30.838	15.385	46.223	-7.777	54.000	AVERAGE
3	2390.000	30.888	14.901	45.789	-8.211	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2014/01/24 - 10:14
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2422MHz 802.11n(40MHz)

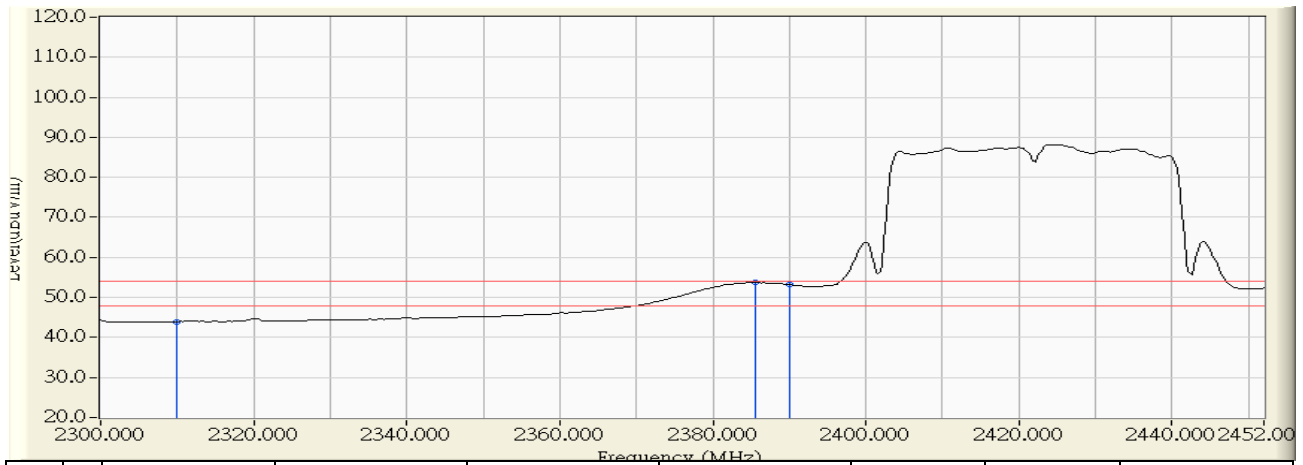


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	26.943	57.002	-16.998	74.000	PEAK
2	* 2385.373	30.840	39.013	69.853	-4.147	74.000	PEAK
3	2390.000	30.888	37.711	68.599	-5.401	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2014/01/24 - 10:13
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2422MHz 802.11n(40MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	30.059	13.920	43.979	-10.021	54.000	AVERAGE
2	* 2385.627	30.843	22.850	53.693	-0.307	54.000	AVERAGE
3	2390.000	30.888	22.285	53.173	-0.827	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2014/01/24 - 10:29
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2452MHz 802.11n(40MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.858	27.109	58.967	-15.033	74.000	PEAK
2	* 2489.645	31.922	29.221	61.143	-12.857	74.000	PEAK
3	2500.000	31.988	26.375	58.364	-15.636	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2014/01/24 - 10:30
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2452MHz 802.11n(40MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.858	14.117	45.975	-8.025	54.000	AVERAGE
2	2486.740	31.892	14.220	46.112	-7.888	54.000	AVERAGE
3	* 2500.000	31.988	14.556	46.545	-7.455	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : CB1	Time : 2014/01/24 - 10:23
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2452MHz 802.11n(40MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.858	35.150	67.008	-6.992	74.000	PEAK
2	* 2489.783	31.923	37.151	69.074	-4.926	74.000	PEAK
3	2500.000	31.988	33.025	65.014	-8.986	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.



Site : CB1	Time : 2014/01/24 - 10:25
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dark Knight Double 450Mbps Dual N Band Router	Note : Mode 1: Transmit_ASUS, EXA1004UH-2452MHz 802.11n(40MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	31.858	21.017	52.875	-1.125	54.000	AVERAGE
2	* 2489.092	31.916	21.718	53.634	-0.366	54.000	AVERAGE
3	2500.000	31.988	19.787	51.776	-2.224	54.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

**7. Occupied Bandwidth**

**7.1. Test Equipment**

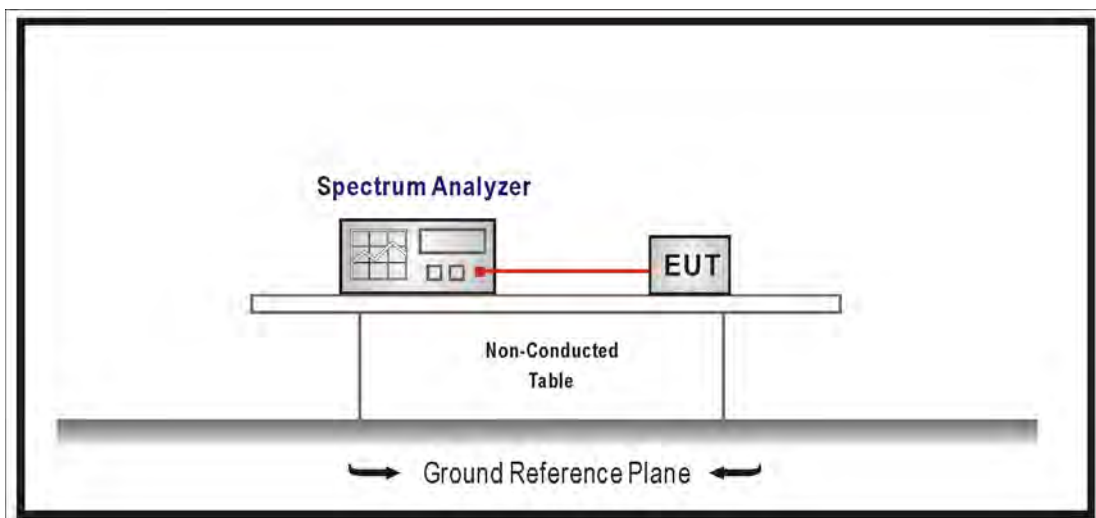
The following test equipments are used during the test:

**Occupied Bandwidth / SR7**

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

**7.2. Test Setup**



**7.3. Test Procedures**

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Span greater than RBW.

**7.4. Limits**

The 6 dB bandwidth must be greater than 500 kHz.

**7.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

**7.6. Uncertainty**

The measurement uncertainty is defined as  $\pm 150\text{Hz}$



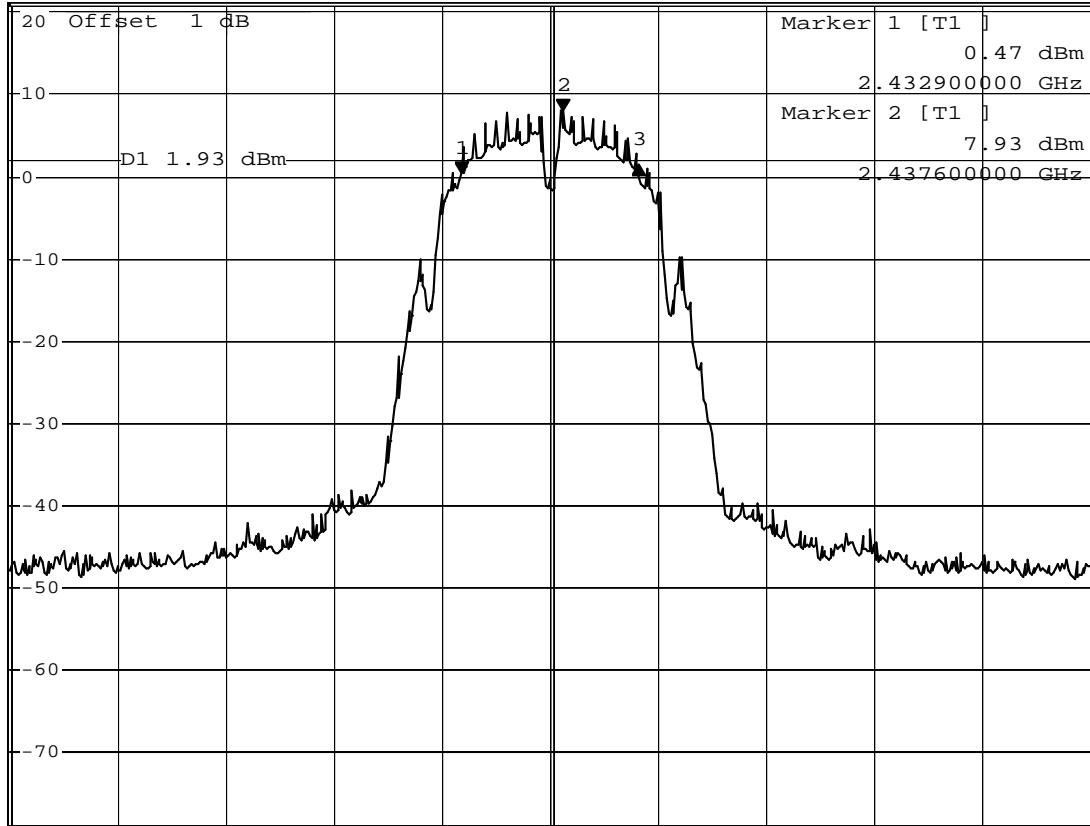
**Channel 6**



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 1.09 dB  
 \*SWT 100 ms 8.20000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz 5 MHz/ Span 50 MHz

Date: 17.NOV.2011 20:03:28

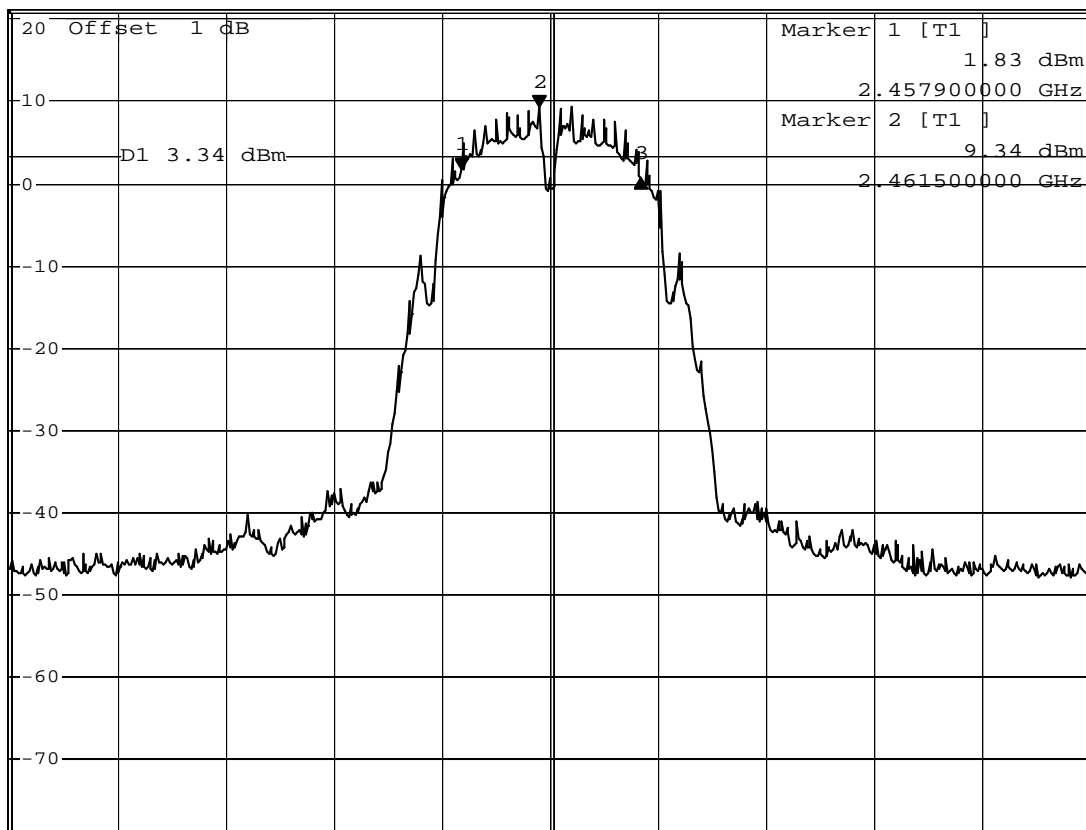
## Channel 11



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -1.30 dB  
 \*SWT 100 ms 8.30000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



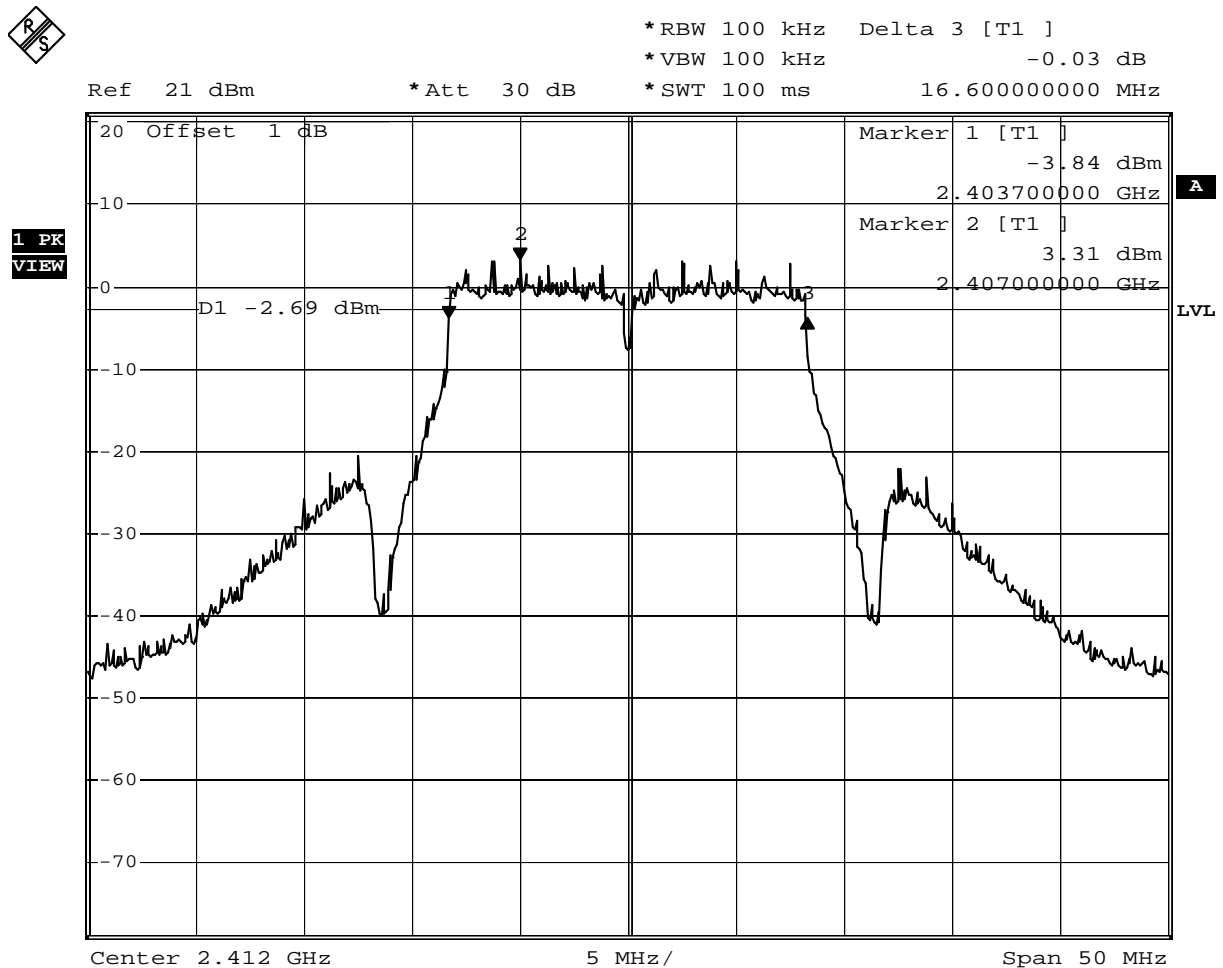
Center 2.462 GHz 5 MHz/ Span 50 MHz

Date: 11.NOV.2011 16:28:01

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/11	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	16.6	$\geq 0.5$	Pass
6	2437.00	16.6	$\geq 0.5$	Pass
11	2462.00	16.6	$\geq 0.5$	Pass

### Channel 1



Date: 11.NOV.2011 16:32:59

**Channel 6**

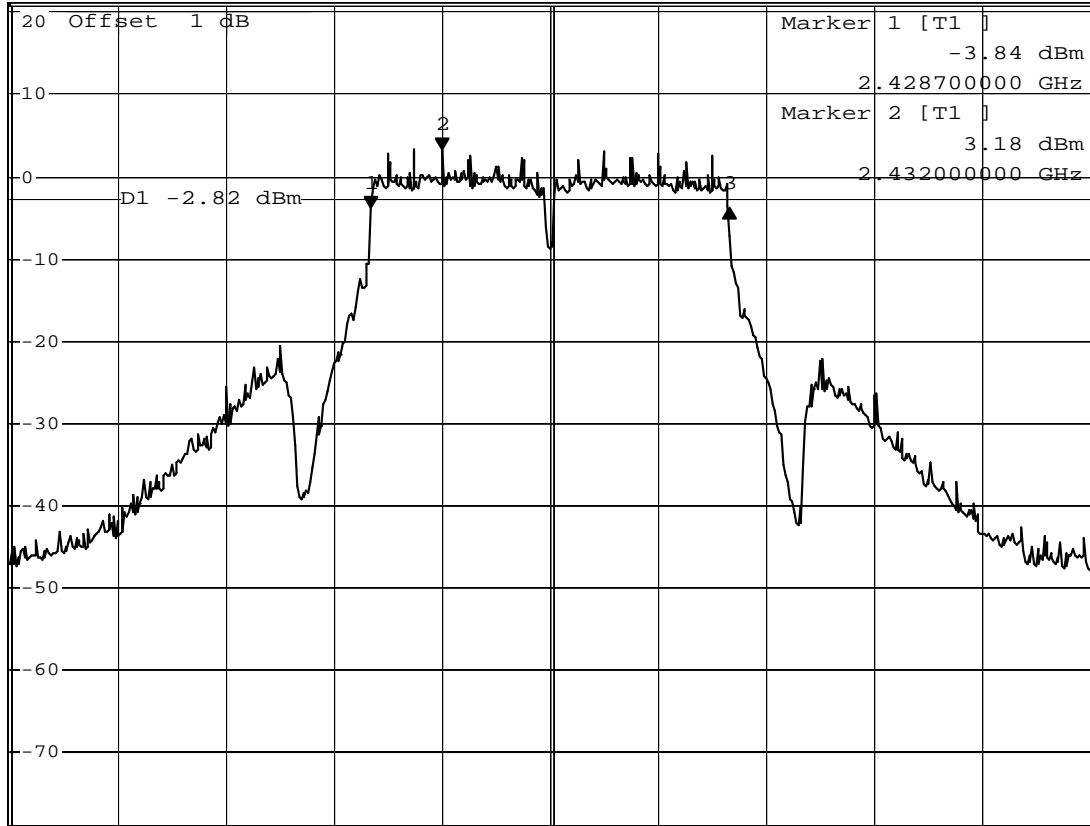


\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.04 dB  
 \*SWT 100 ms 16.60000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz 5 MHz/ Span 50 MHz

Date: 11.NOV.2011 16:31:17

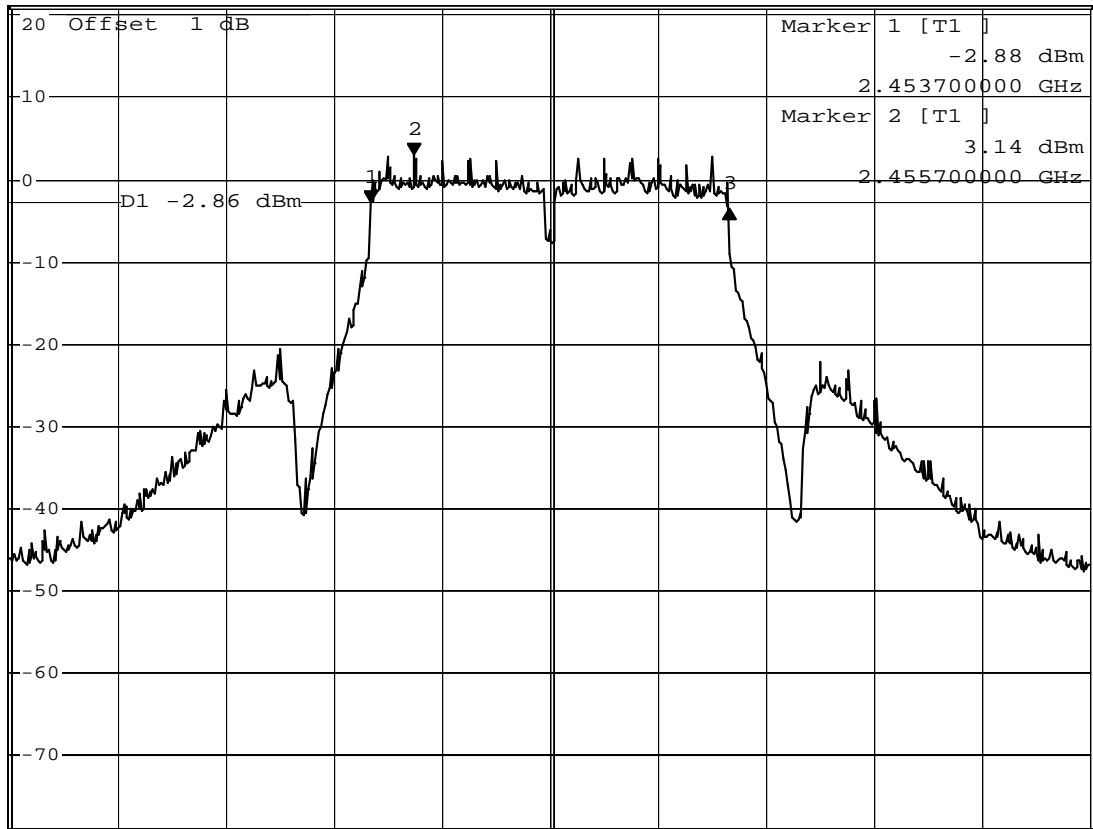
## Channel 11



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.55 dB  
 \*SWT 100 ms 16.60000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.462 GHz 5 MHz/ Span 50 MHz

Date: 11.NOV.2011 16:29:54



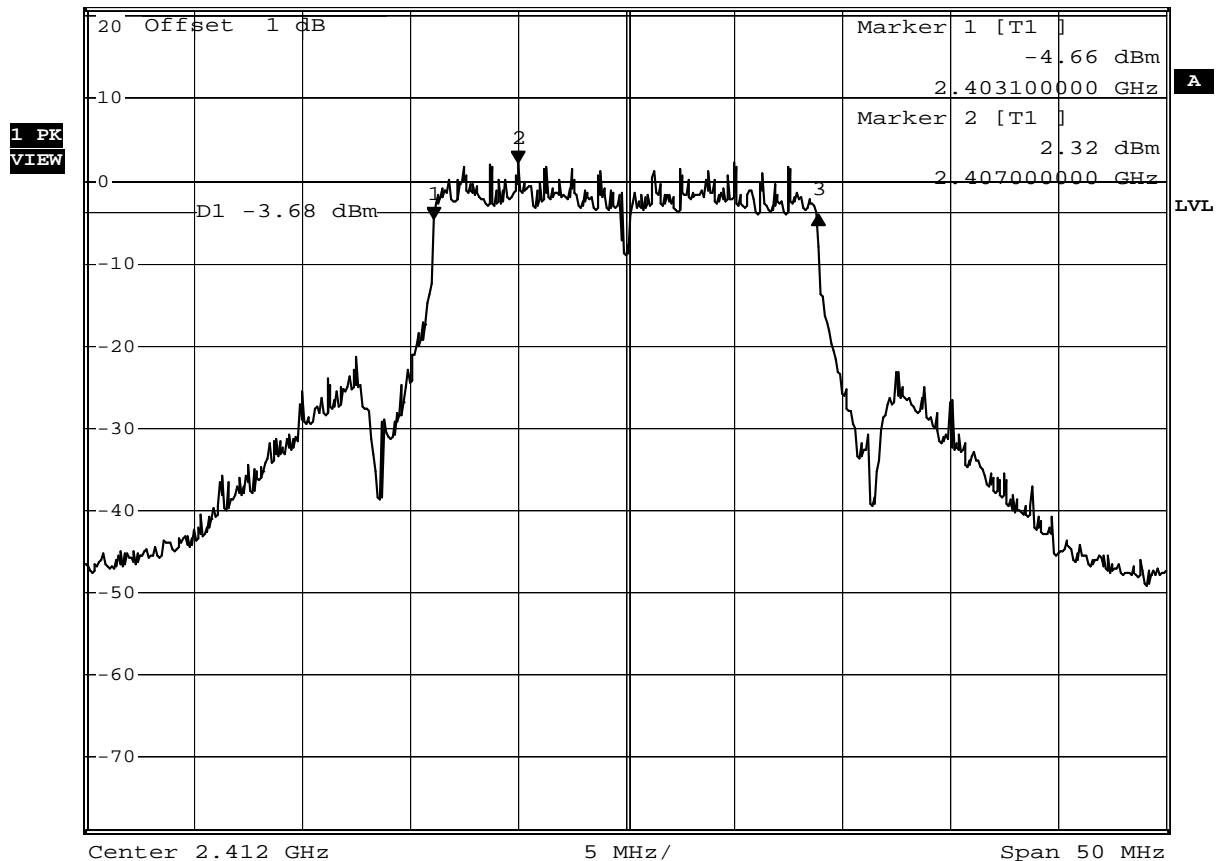
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/11	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	17.8	$\geq 0.5$	Pass
6	2437.00	17.1	$\geq 0.5$	Pass
11	2462.00	16.9	$\geq 0.5$	Pass

### Channel 1



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 0.48 dB  
 \*SWT 100 ms 17.80000000 MHz  
 Ref 21 dBm \*Att 30 dB



Date: 11.NOV.2011 16:37:02

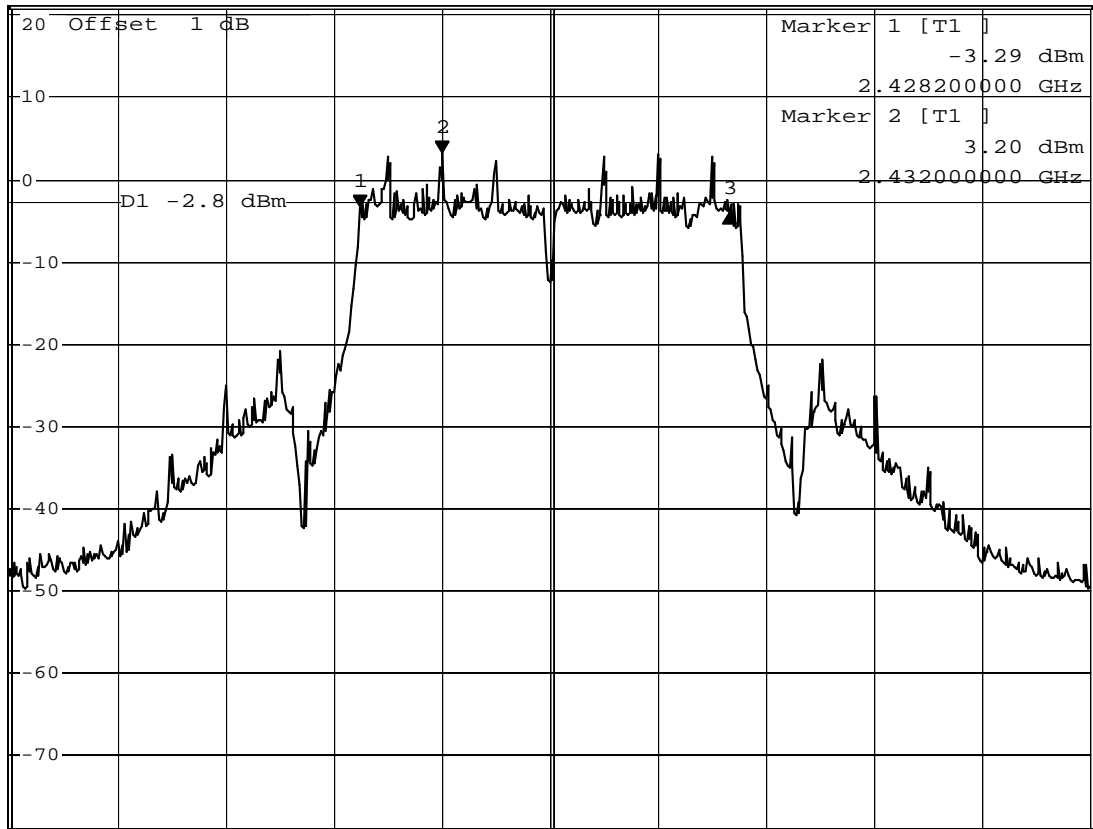
**Channel 6**



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.75 dB  
 \*SWT 100 ms 17.10000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz 5 MHz/ Span 50 MHz

Date: 11.NOV.2011 16:45:03

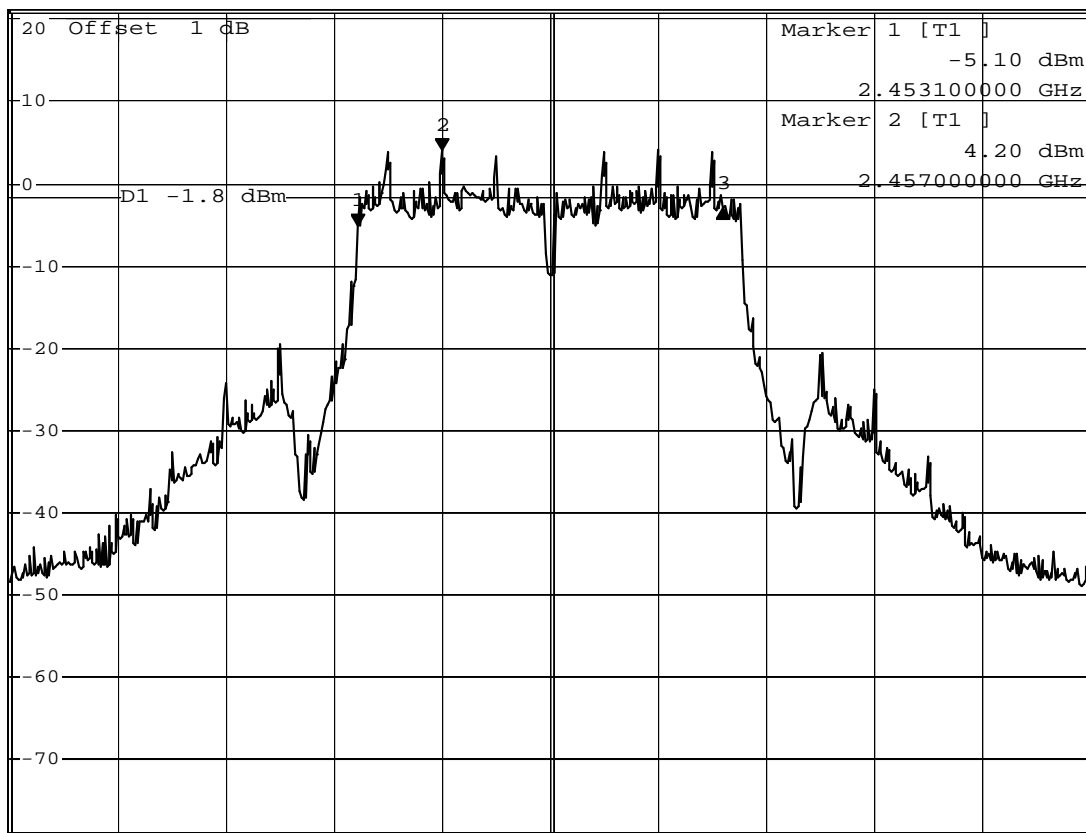
## Channel 11



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 2.03 dB  
 \*SWT 100 ms 16.90000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.462 GHz 5 MHz/ Span 50 MHz

Date: 11.NOV.2011 16:46:44

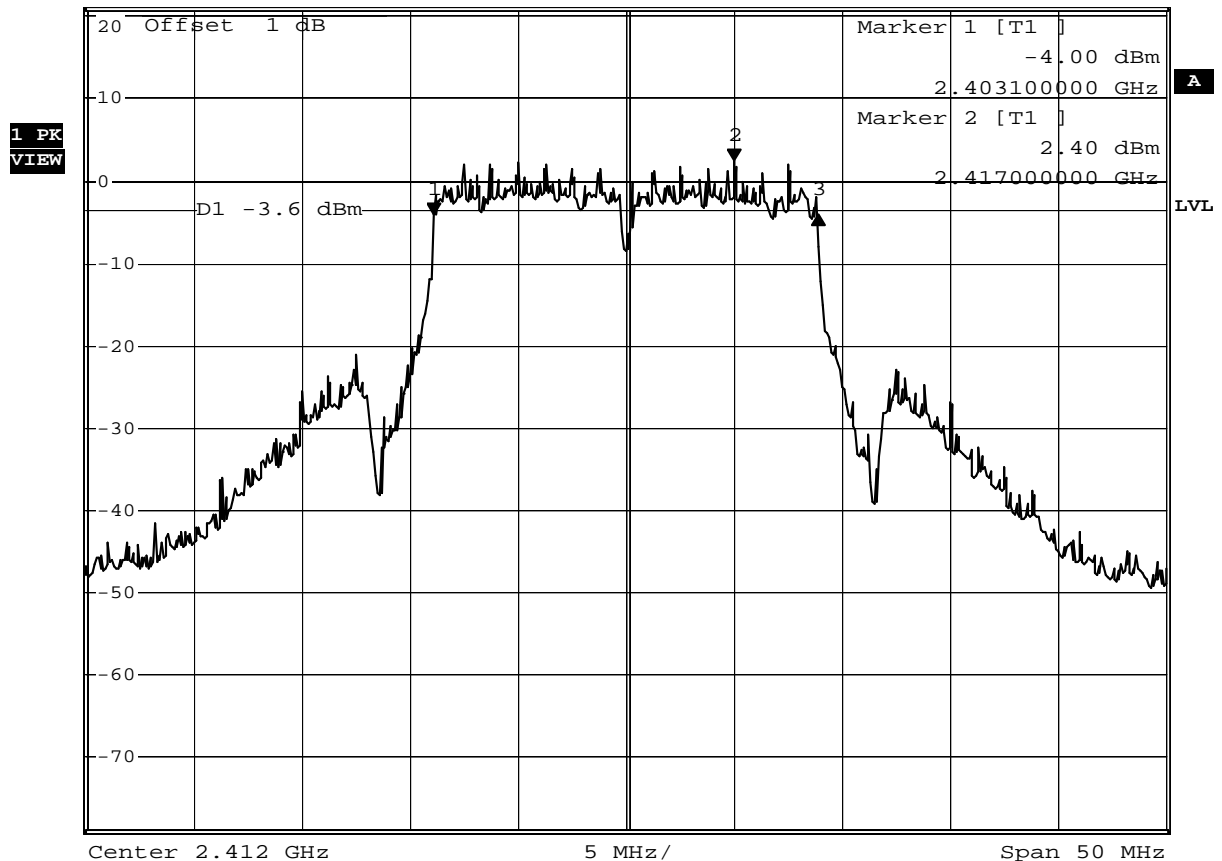
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/11	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	17.8	$\geq 0.5$	Pass
6	2437.00	17.8	$\geq 0.5$	Pass
11	2462.00	17.8	$\geq 0.5$	Pass

### Channel 1



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.20 dB  
 \*SWT 100 ms 17.80000000 MHz  
 Ref 21 dBm \*Att 30 dB



Date: 11.NOV.2011 16:39:36

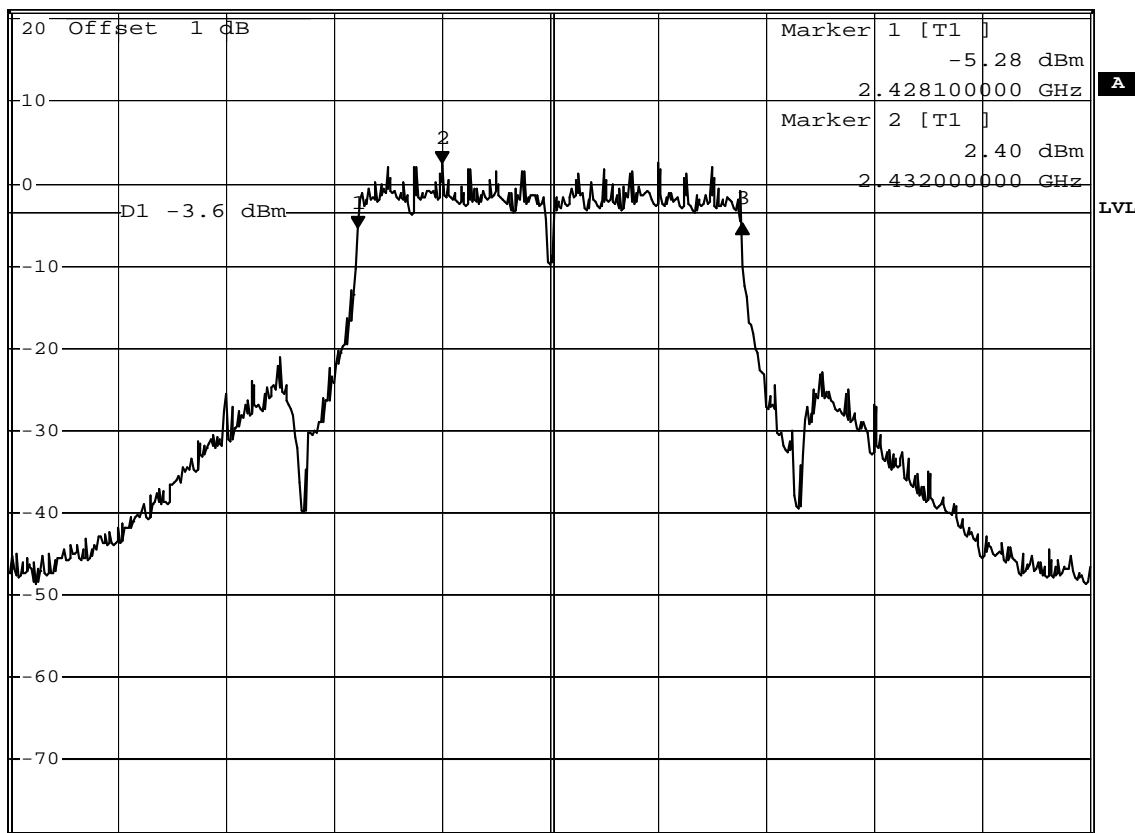
## Channel 6



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 0.34 dB  
 \*SWT 100 ms 17.80000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz 5 MHz/ Span 50 MHz

Date: 11.NOV.2011 16:41:33

## Channel 11

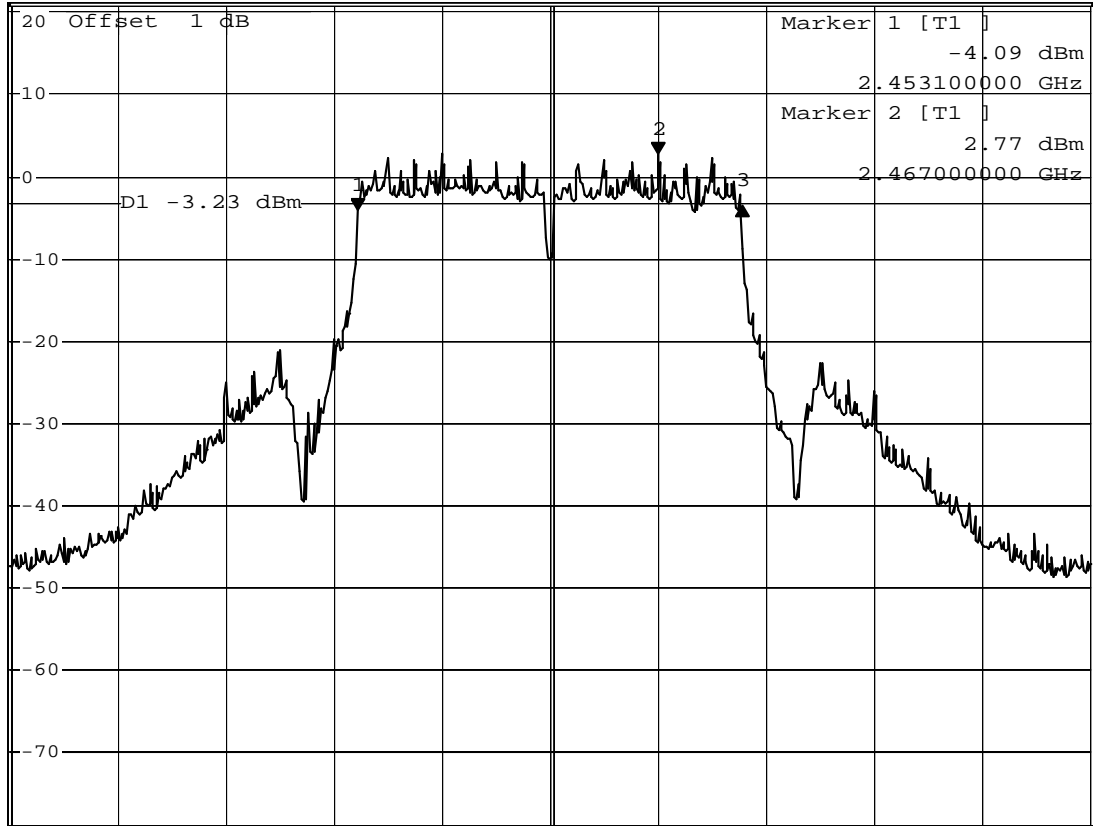


\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 0.68 dB  
 \*SWT 100 ms 17.80000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW

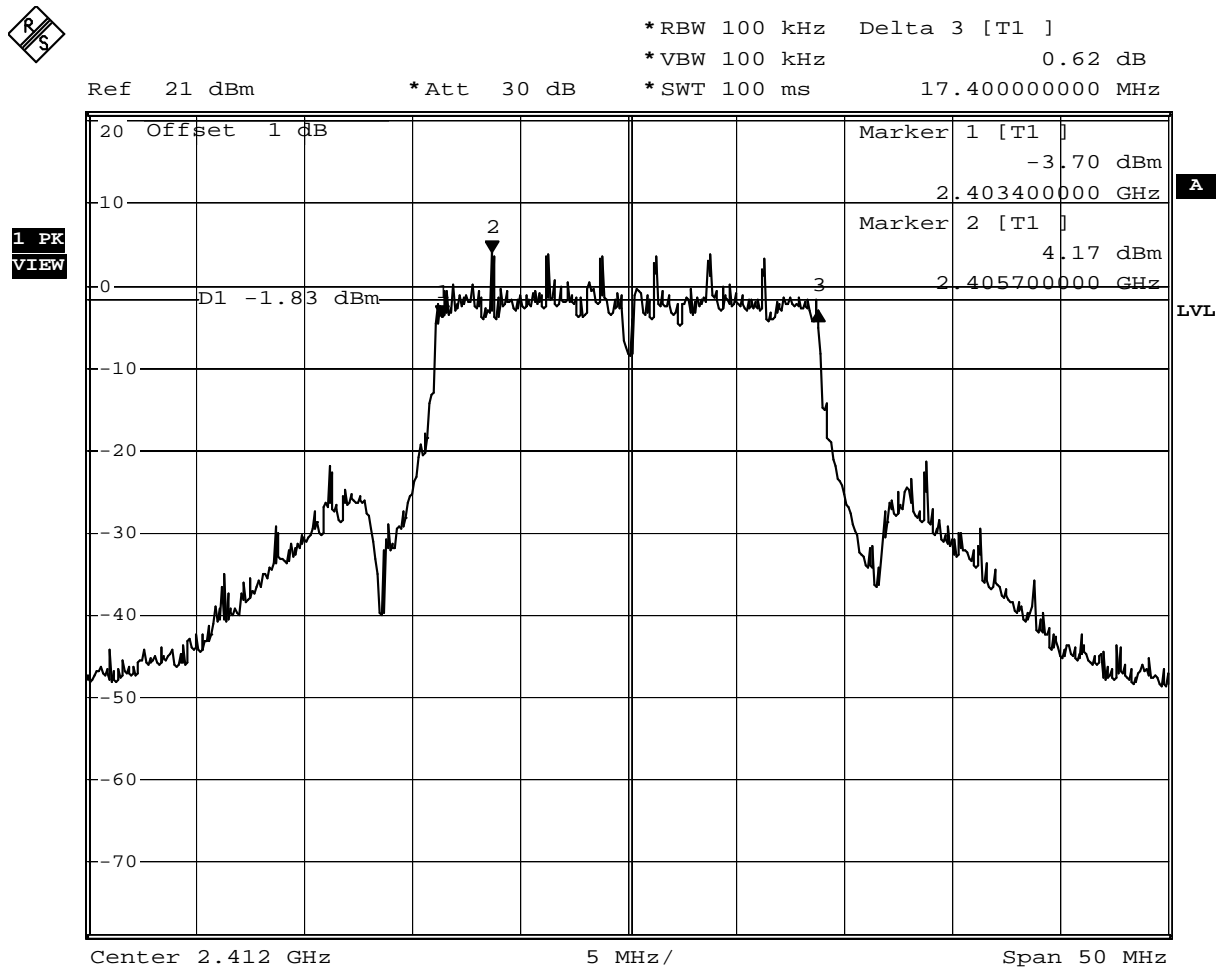


Date: 11.NOV.2011 16:47:59

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/11	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	17.4	$\geq 0.5$	Pass
6	2437.00	17.6	$\geq 0.5$	Pass
11	2462.00	17.2	$\geq 0.5$	Pass

### Channel 1



Date: 11.NOV.2011 16:38:30

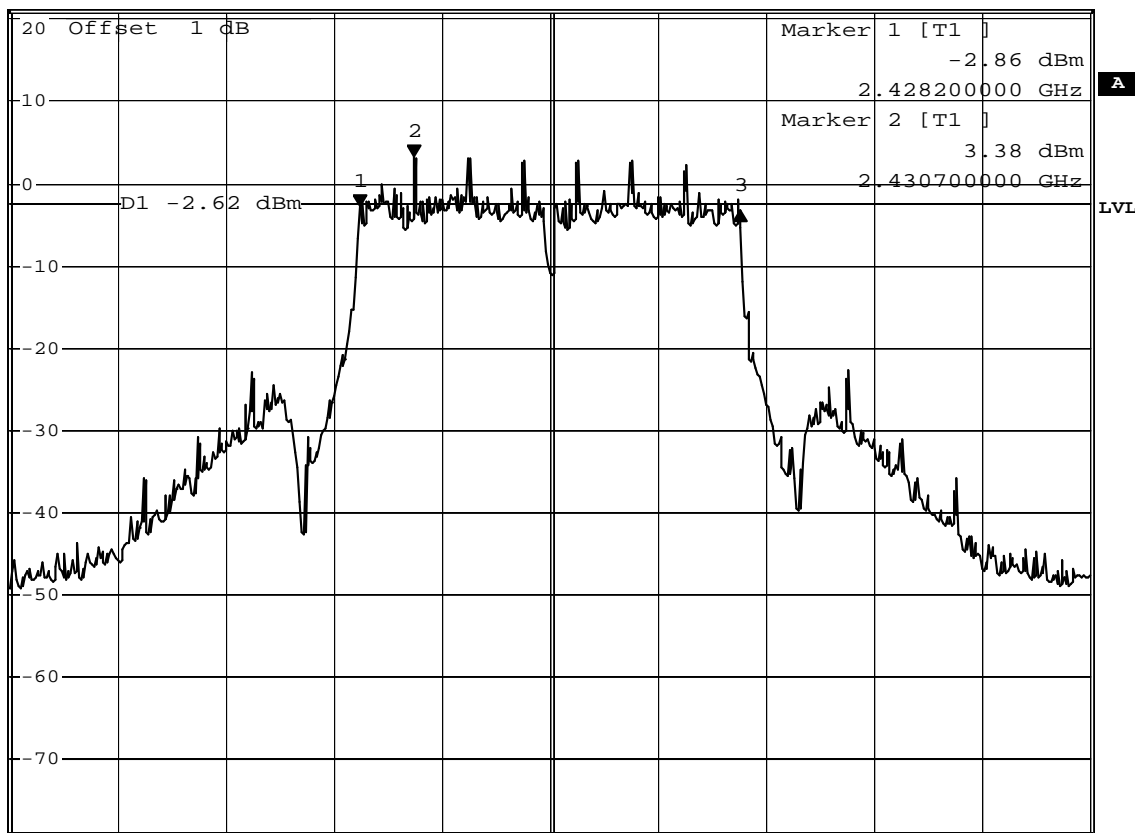
## Channel 6



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.35 dB  
 \*SWT 100 ms 17.60000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz 5 MHz/ Span 50 MHz

Date: 11.NOV.2011 16:42:39



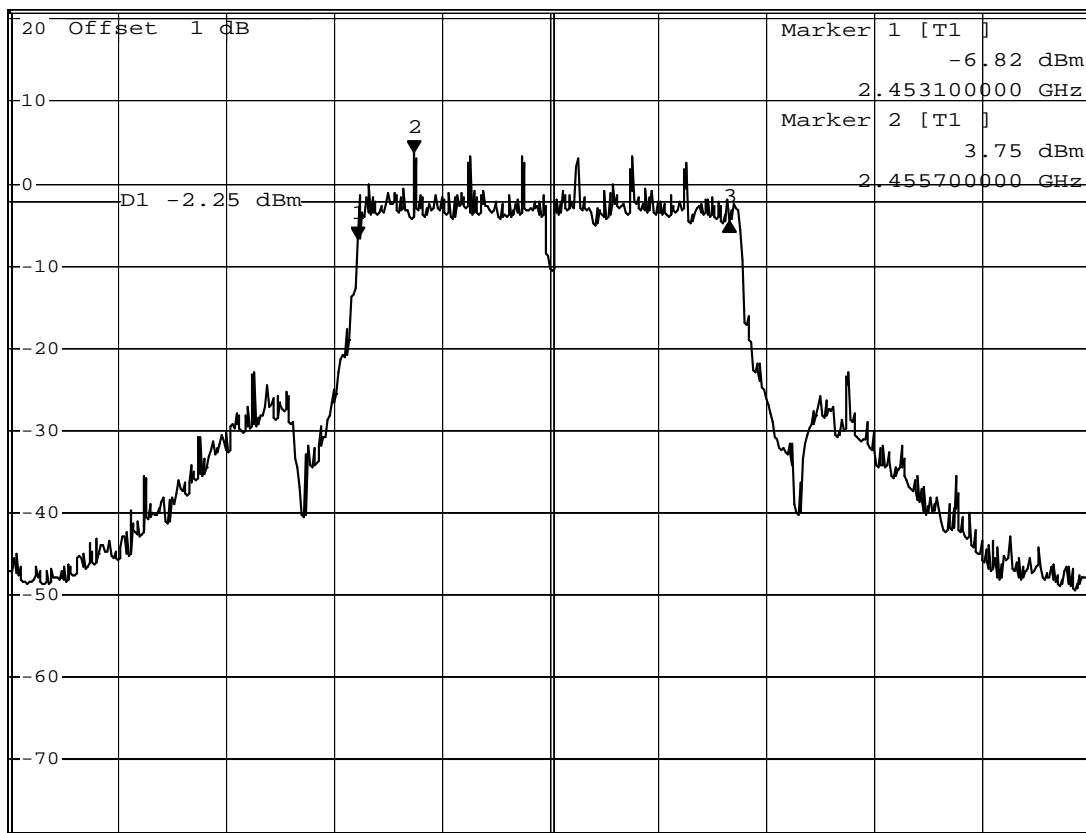
## Channel 11



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 2.23 dB  
 \*SWT 100 ms 17.20000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.462 GHz 5 MHz/ Span 50 MHz

Date: 11.NOV.2011 16:48:50

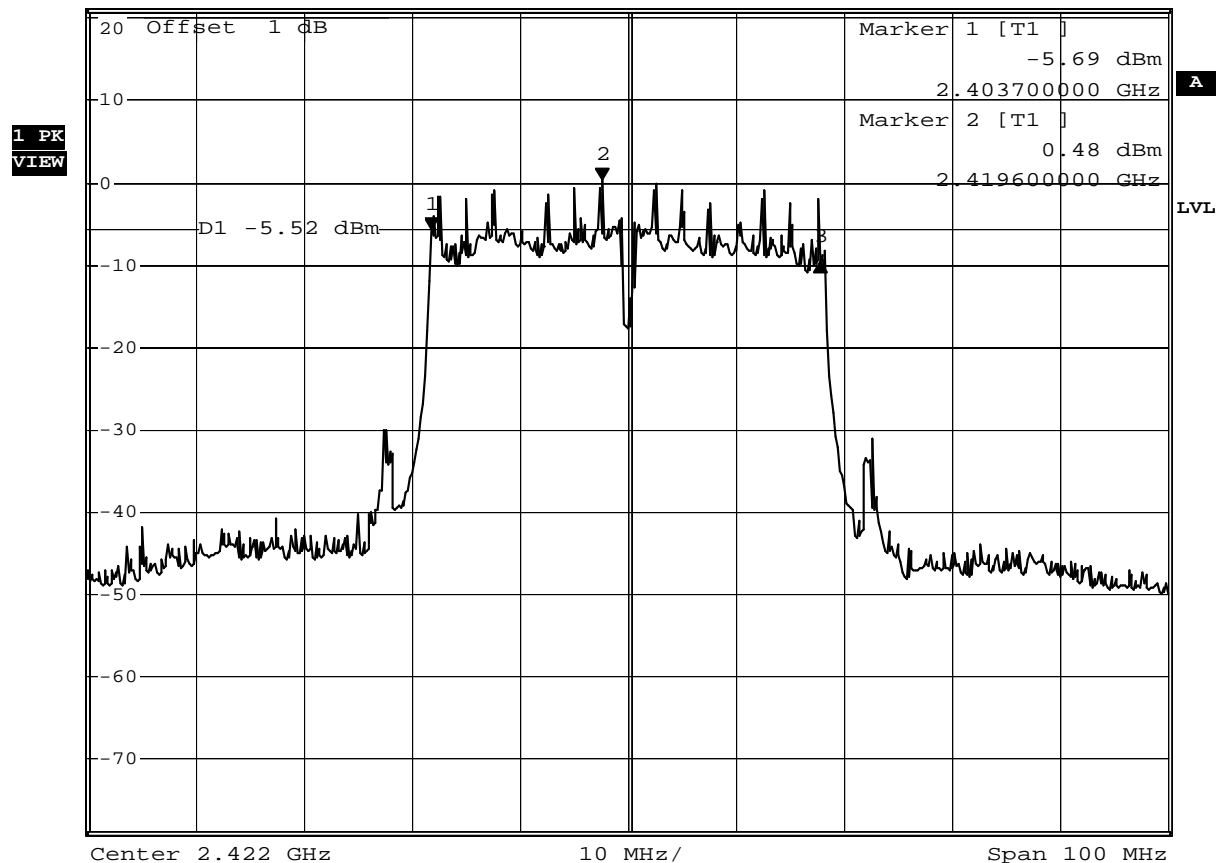
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/11	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.0	$\geq 0.5$	Pass
6	2437	35.6	$\geq 0.5$	Pass
9	2452	35.8	$\geq 0.5$	Pass

### Channel 3



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -3.95 dB  
 Ref 21 dBm \*Att 30 dB \*SWT 100 ms 36.00000000 MHz



Date: 11.NOV.2011 17:01:33

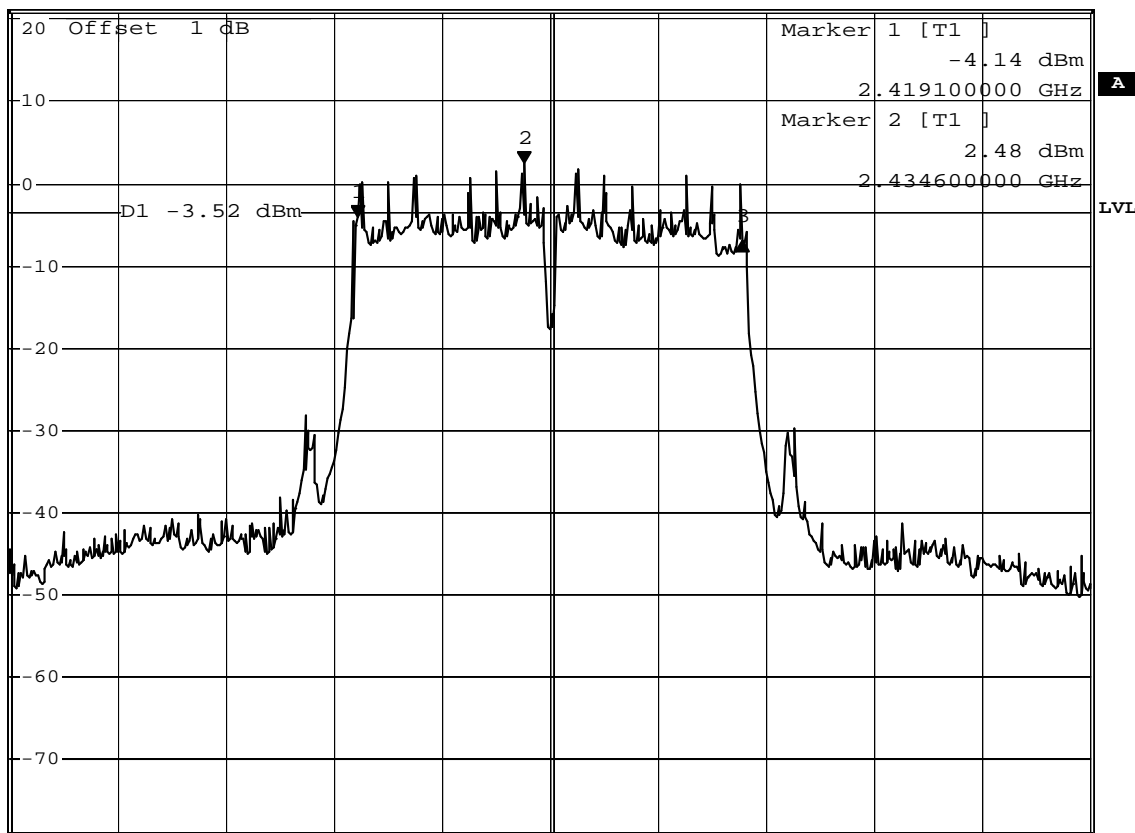
## Channel 6



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -2.83 dB  
 \*SWT 100 ms 35.60000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz 10 MHz/ Span 100 MHz

Date: 11.NOV.2011 16:55:32

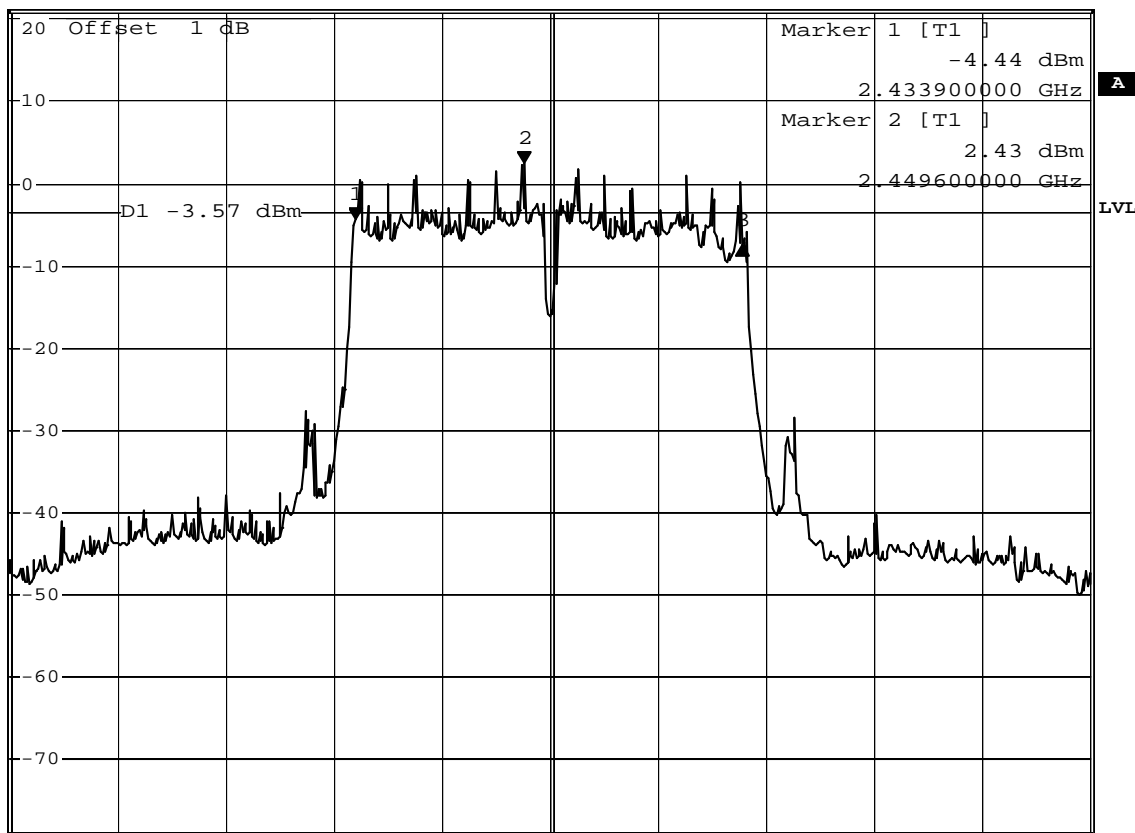
## Channel 9



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -2.95 dB  
 \*SWT 100 ms 35.80000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.452 GHz 10 MHz/ Span 100 MHz

Date: 11.NOV.2011 16:53:43

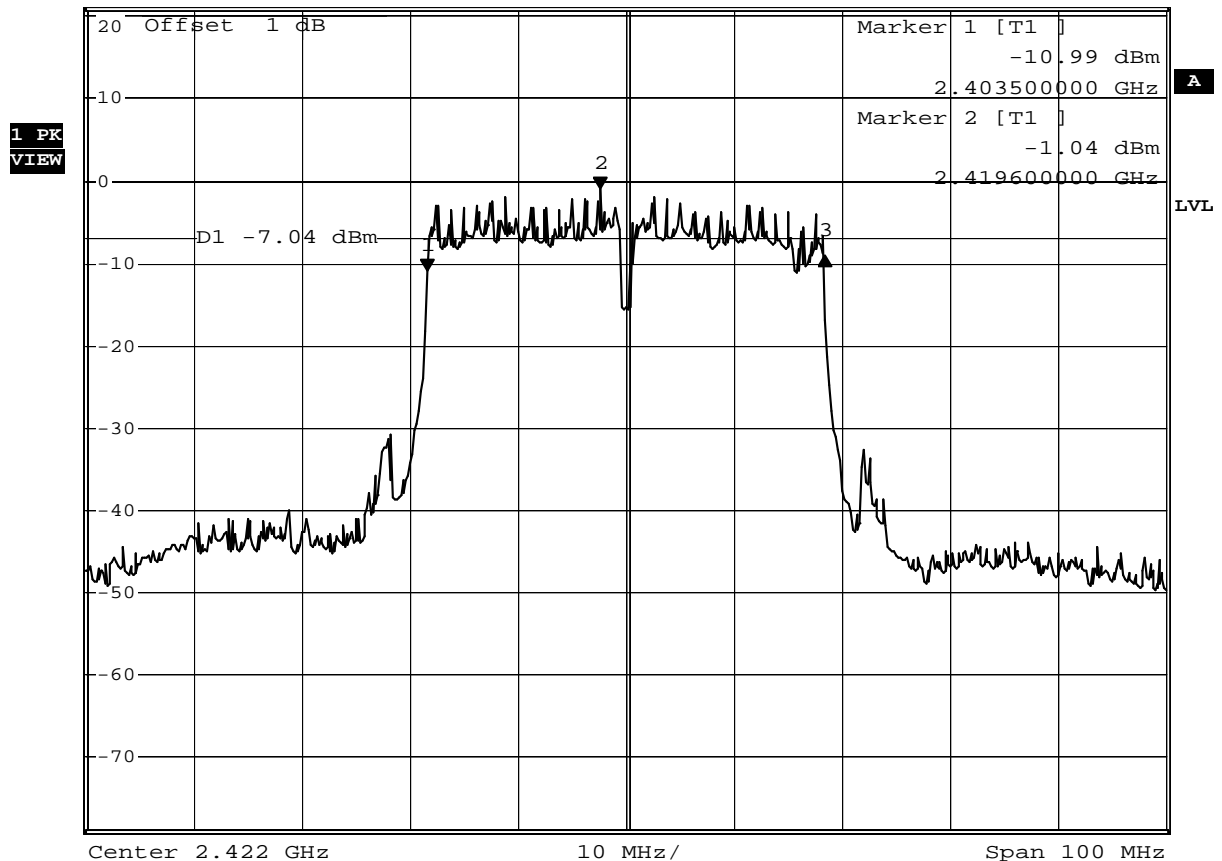
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/11	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.8	$\geq 0.5$	Pass
6	2437	36.8	$\geq 0.5$	Pass
9	2452	36.8	$\geq 0.5$	Pass

### Channel 3



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 1.89 dB  
 \*SWT 100 ms 36.80000000 MHz  
 Ref 21 dBm \*Att 30 dB



Date: 11.NOV.2011 16:59:23

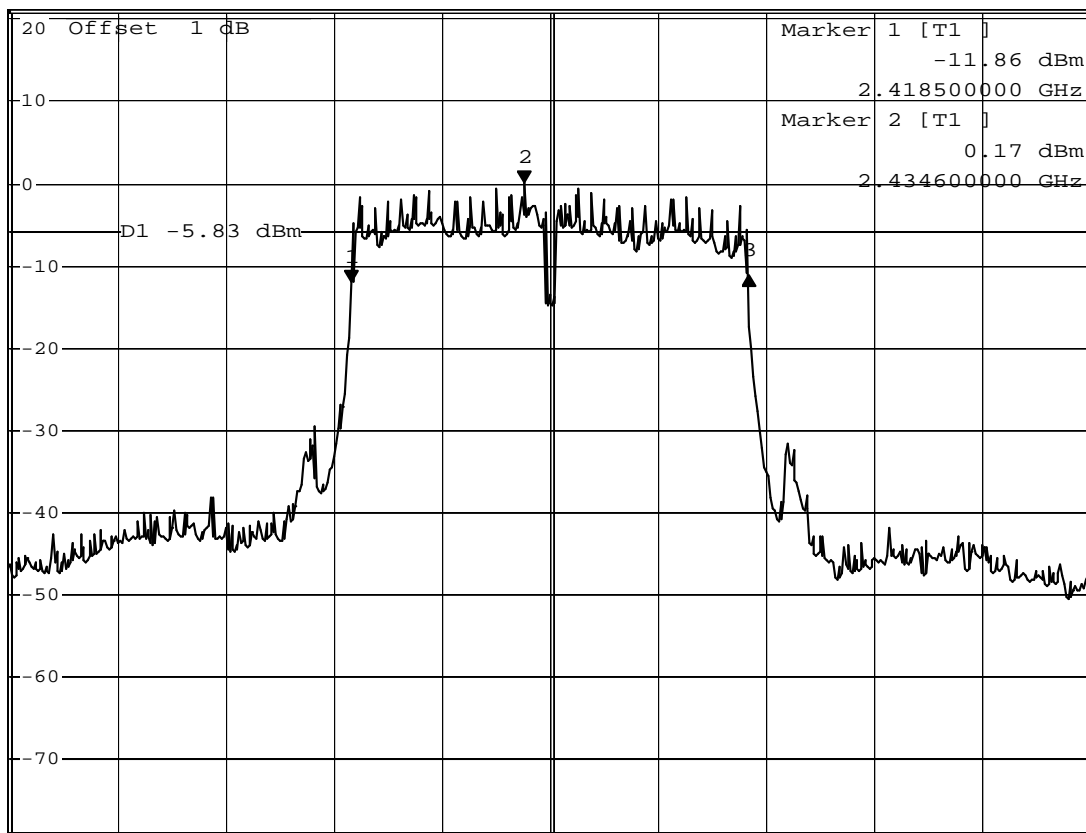
## Channel 6



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 0.79 dB  
 \*SWT 100 ms 36.80000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz 10 MHz/ Span 100 MHz

Date: 11.NOV.2011 16:57:16

**Channel 9**

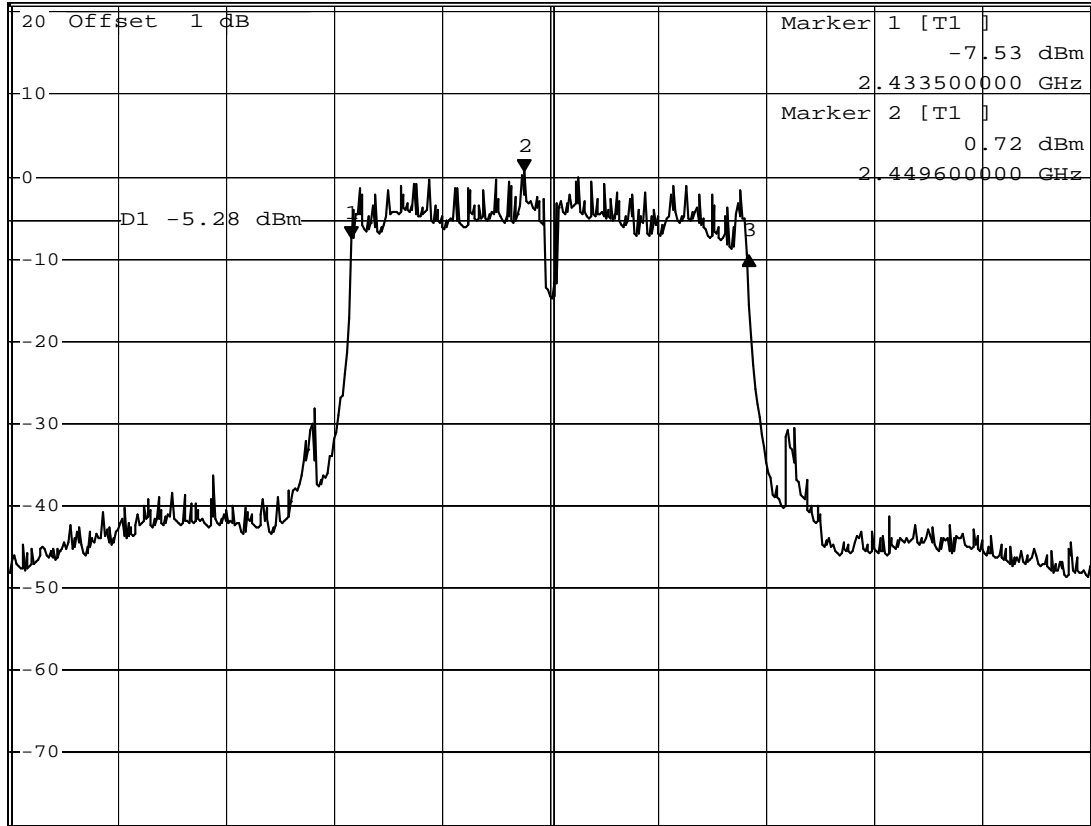


\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -2.07 dB  
 \*SWT 100 ms 36.80000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



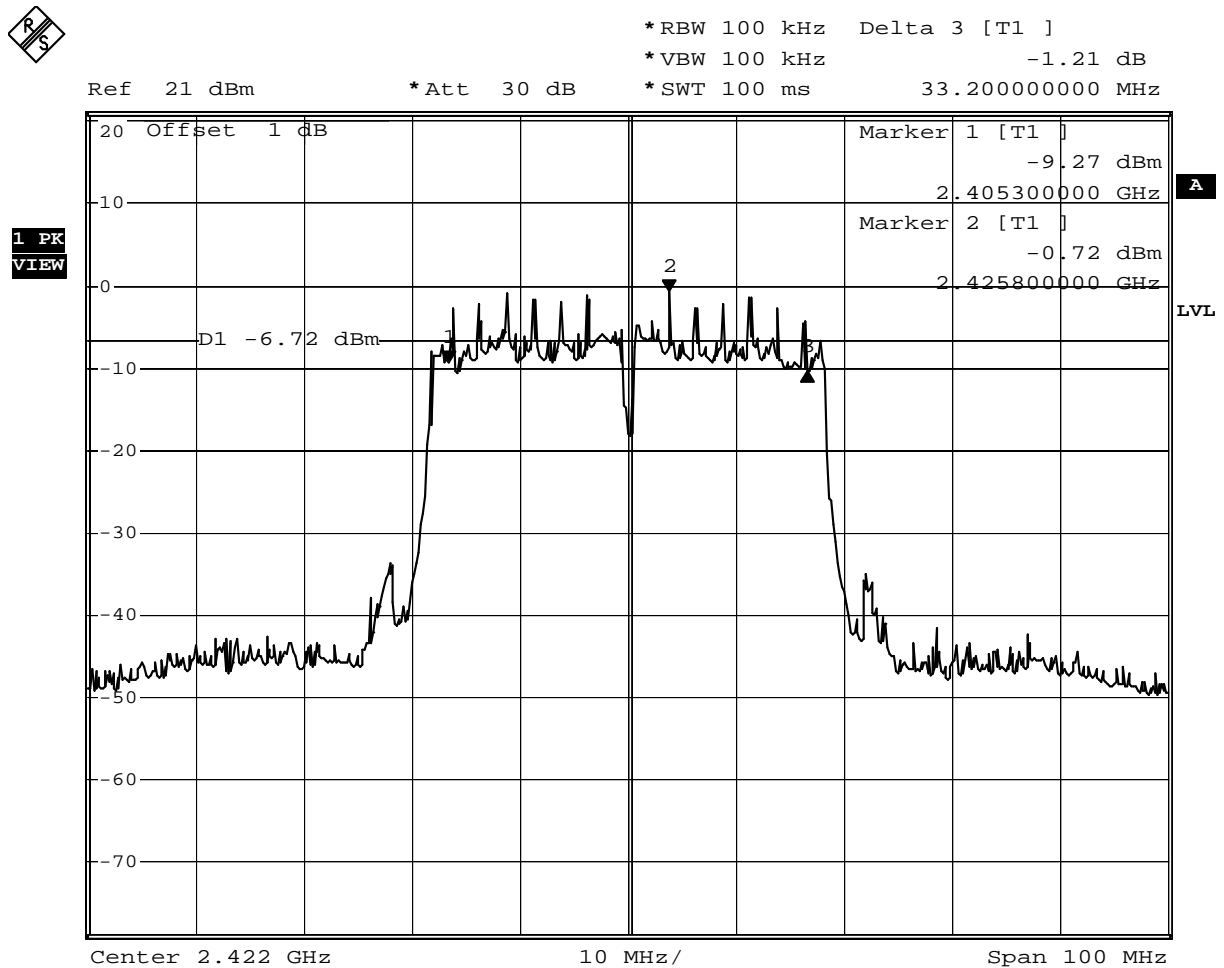
Center 2.452 GHz 10 MHz/ Span 100 MHz

Date: 11.NOV.2011 16:51:42

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/11	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	33.2	$\geq 0.5$	Pass
6	2437	33.2	$\geq 0.5$	Pass
9	2452	34.6	$\geq 0.5$	Pass

### Channel 3



Date: 11.NOV.2011 17:00:50



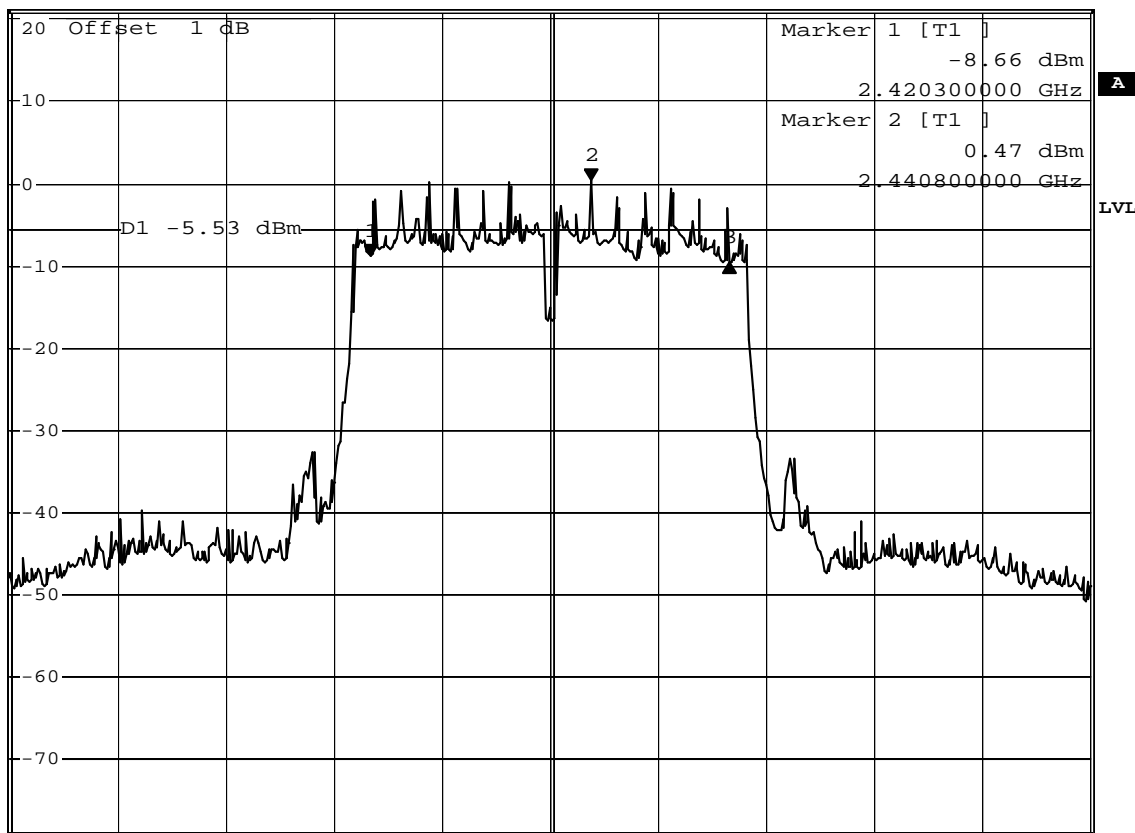
## Channel 6



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.79 dB  
 \*SWT 100 ms 33.20000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz 10 MHz/ Span 100 MHz

Date: 11.NOV.2011 16:56:24

**Channel 9**

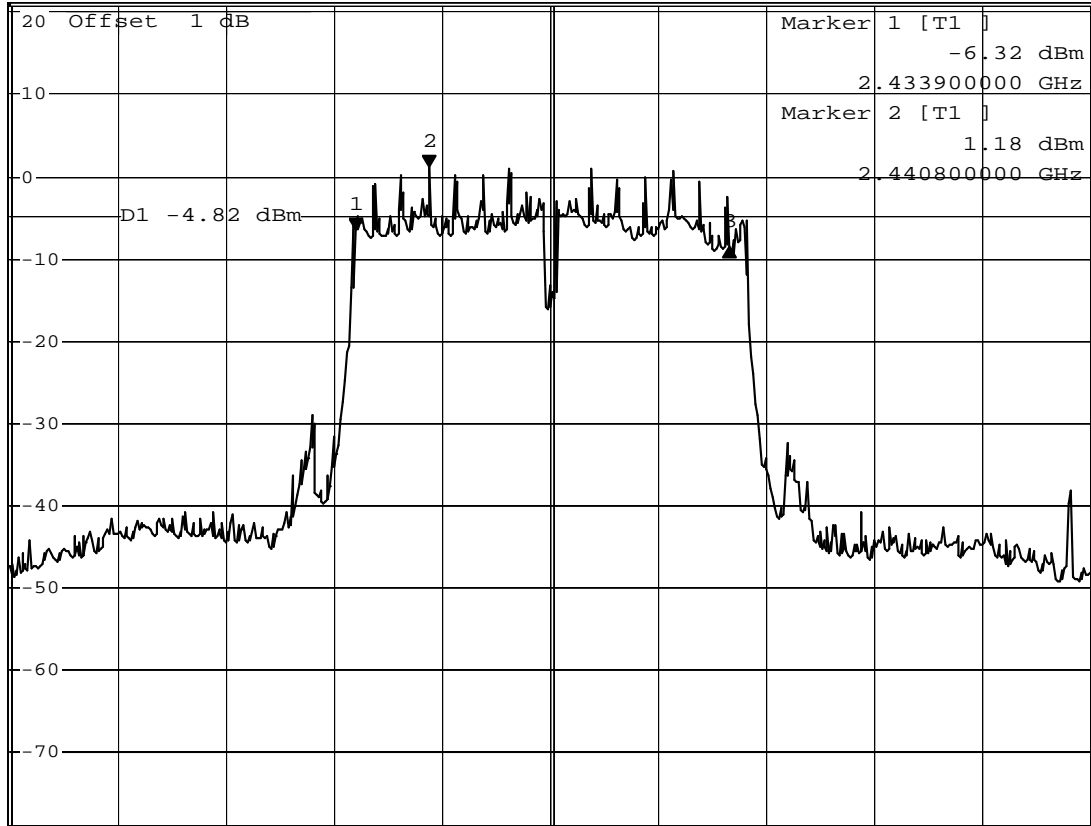


\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -2.18 dB  
 \*SWT 100 ms 34.60000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 2.452 GHz 10 MHz/ Span 100 MHz

Date: 11.NOV.2011 16:52:48

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

802.11 a				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.6	$\geq 0.5$	Pass
157	5785	16.6	$\geq 0.5$	Pass
165	5825	16.6	$\geq 0.5$	Pass

### Channel 149

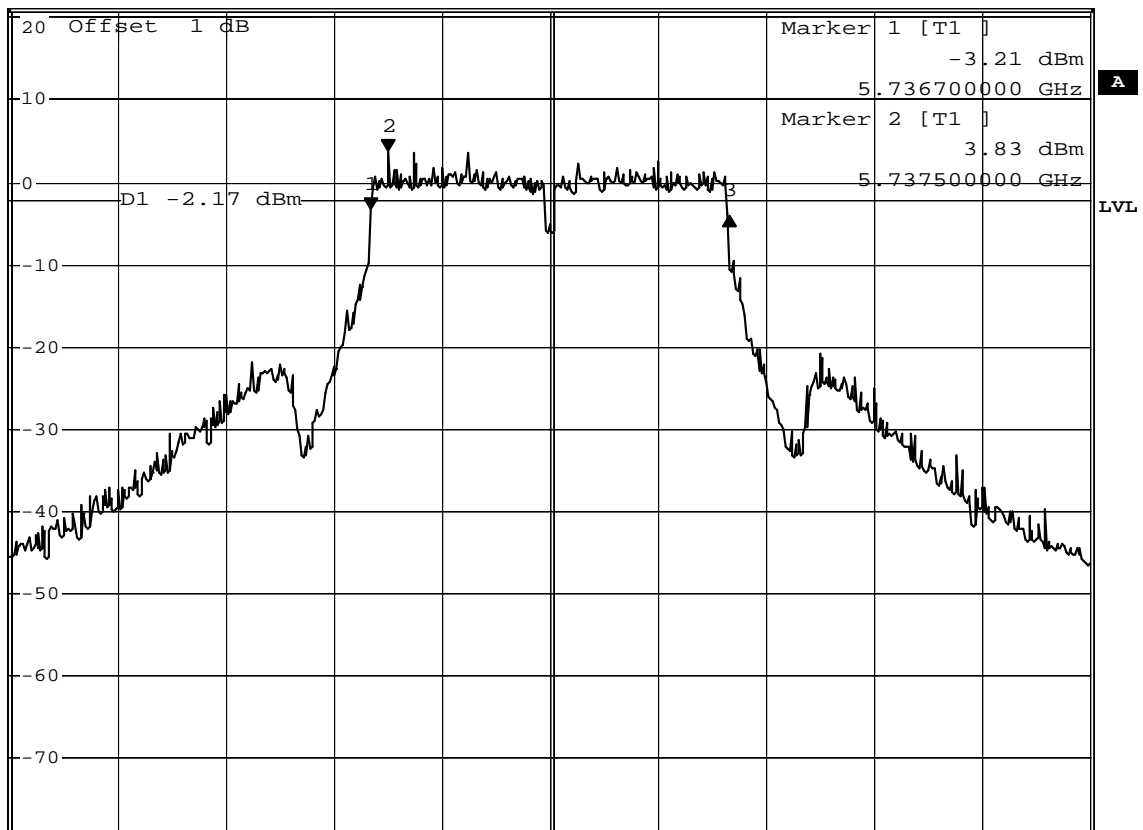


\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.77 dB  
 \*SWT 100 ms 16.60000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.745 GHz

5 MHz/

Span 50 MHz

Date: 12.NOV.2011 11:04:22

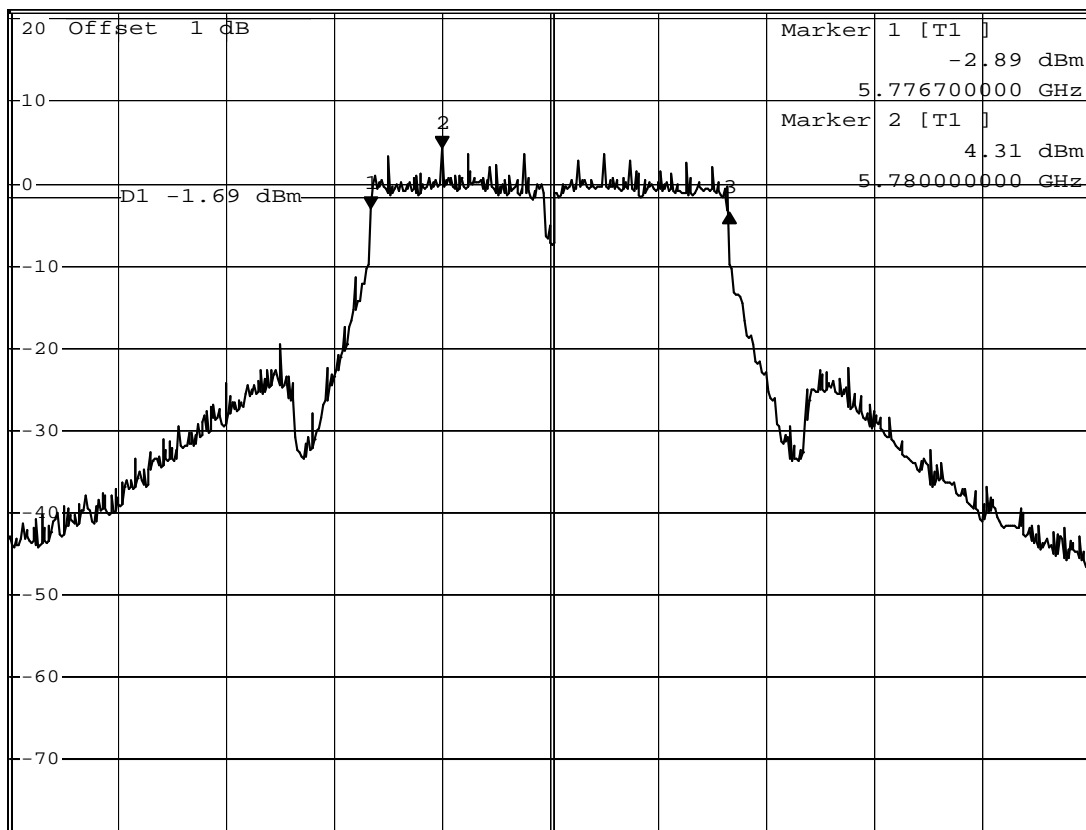
**Channel 157**



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.66 dB  
 \*SWT 100 ms 16.60000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 5.785 GHz 5 MHz/ Span 50 MHz

Date: 12.NOV.2011 11:03:10

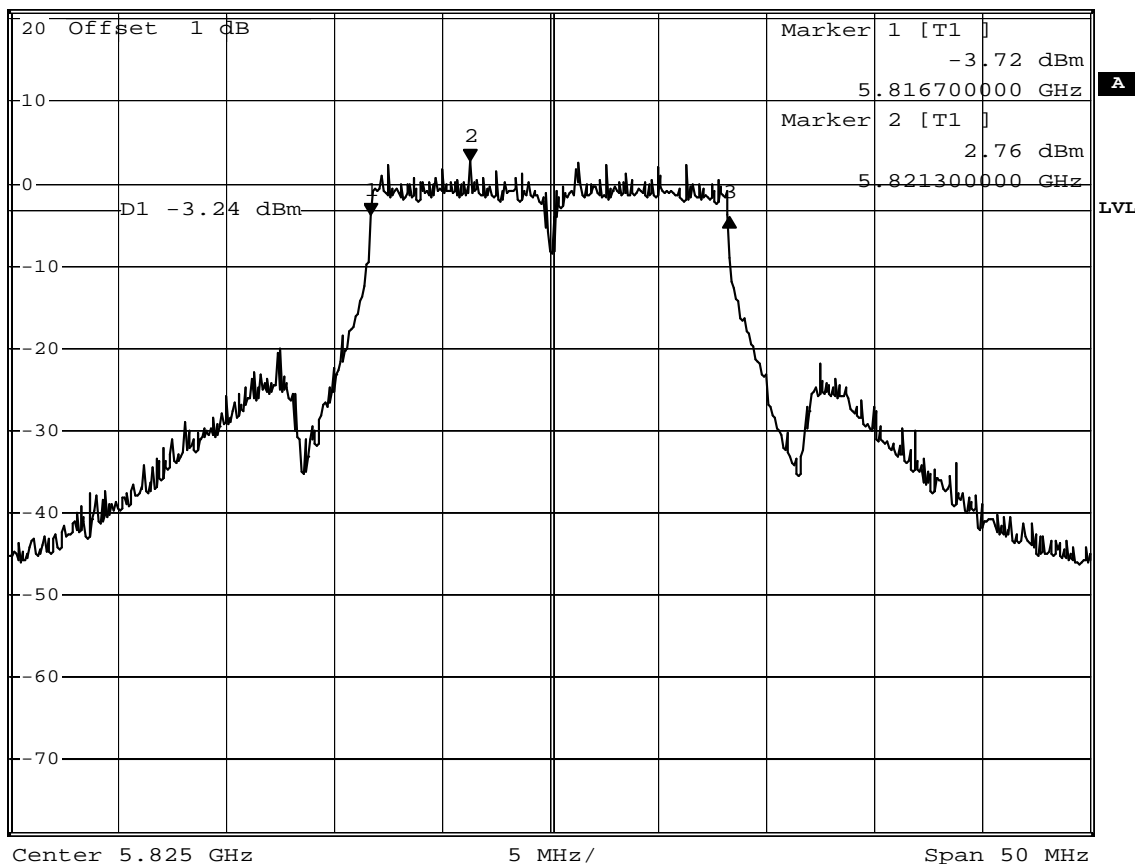
## Channel 165



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.31 dB  
 \*SWT 100 ms 16.60000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW

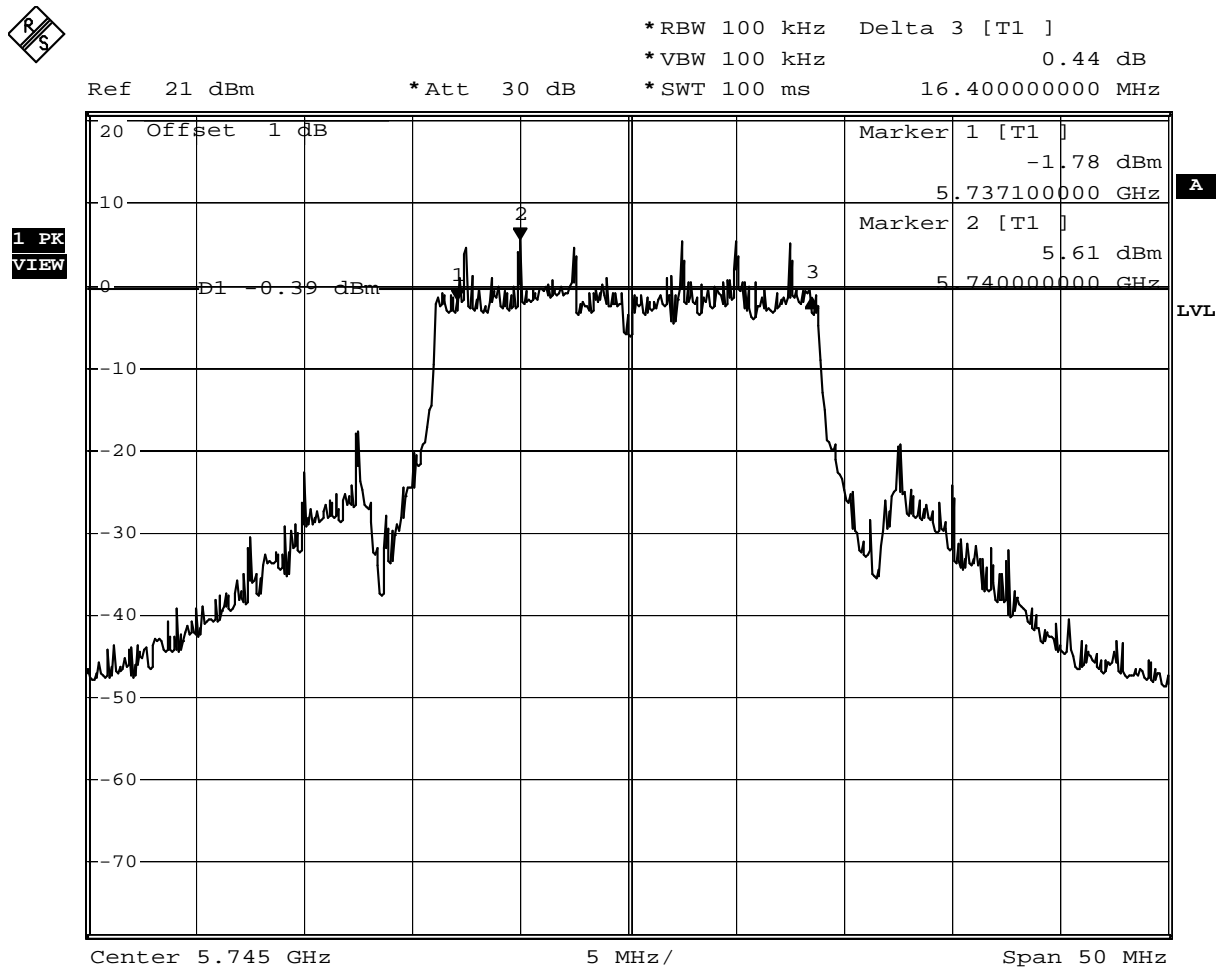


Date: 12.NOV.2011 11:01:33

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.4	$\geq 0.5$	Pass
157	5785	15.9	$\geq 0.5$	Pass
165	5825	17.3	$\geq 0.5$	Pass

### Channel 149



Date: 12.NOV.2011 10:52:50

**Channel 157**

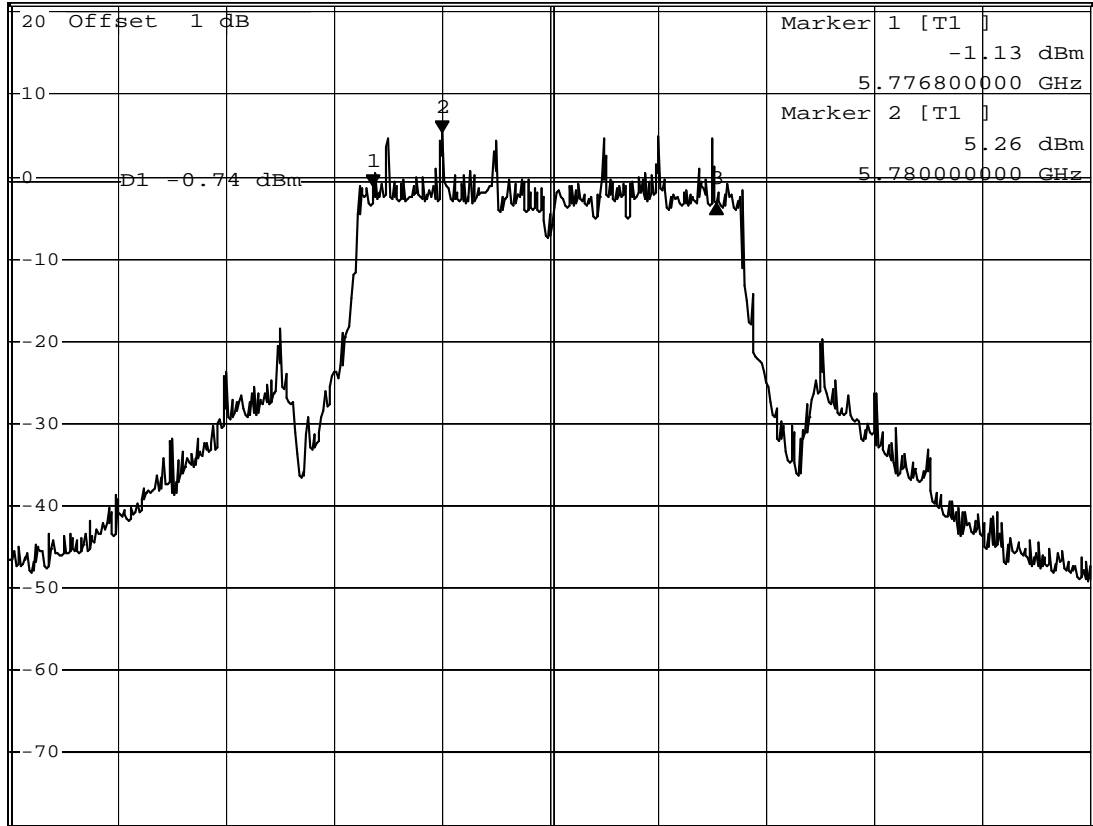


\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -2.07 dB  
 \*SWT 100 ms 15.90000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.785 GHz 5 MHz/ Span 50 MHz

Date: 12.NOV.2011 10:56:55

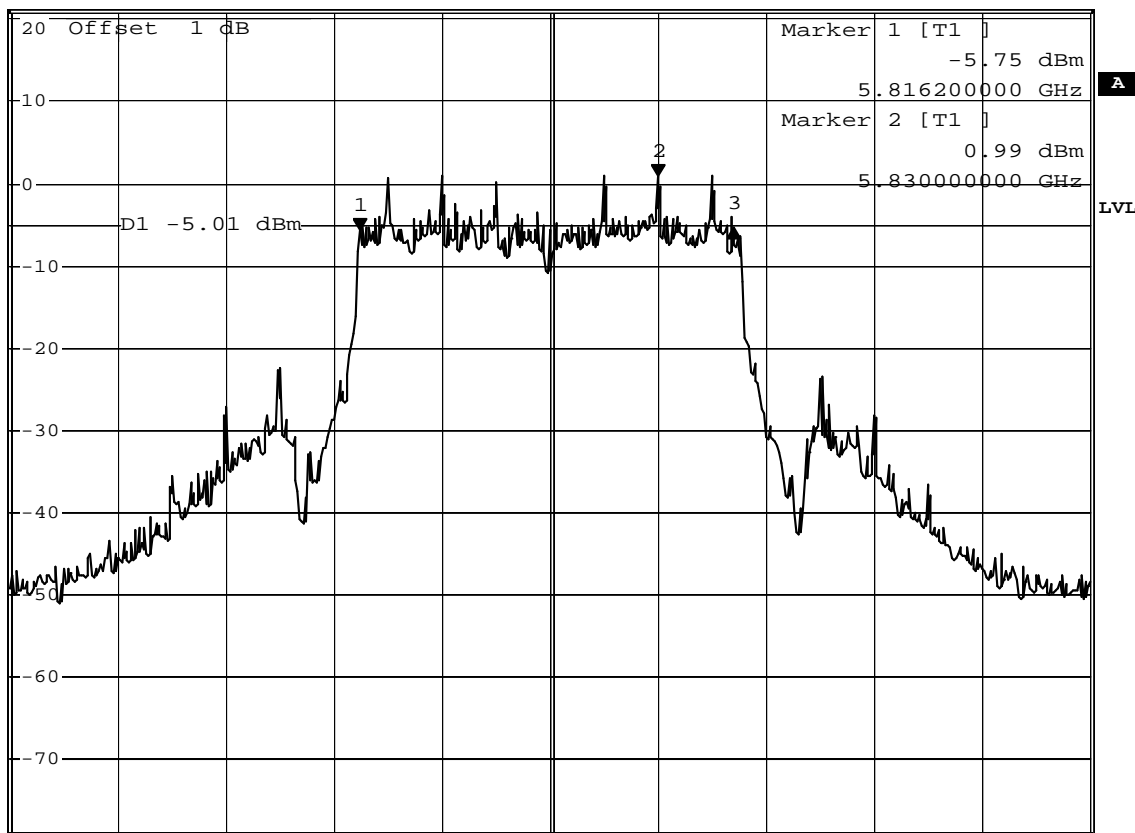
## Channel 165



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 0.32 dB  
 \*SWT 100 ms 17.30000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 5.825 GHz 5 MHz/ Span 50 MHz

Date: 12.NOV.2011 10:58:35





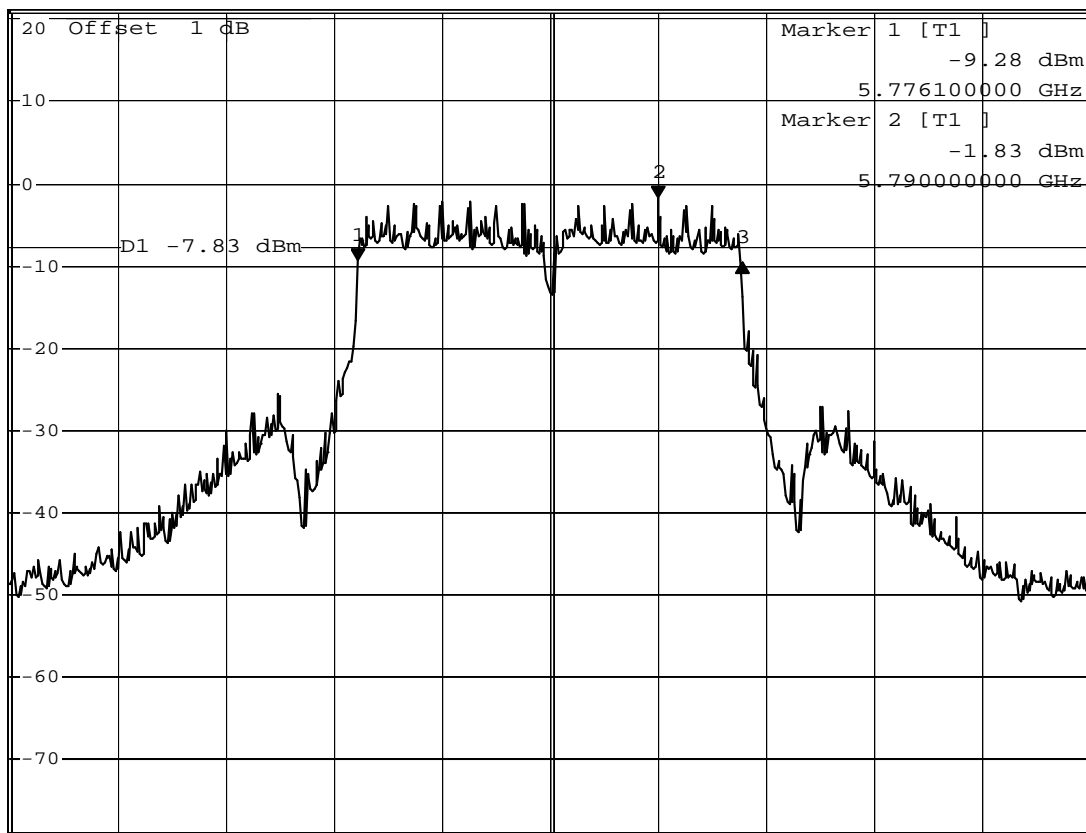
## Channel 157



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.31 dB  
 \*SWT 100 ms 17.80000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 5.785 GHz 5 MHz/ Span 50 MHz

Date: 12.NOV.2011 10:55:07

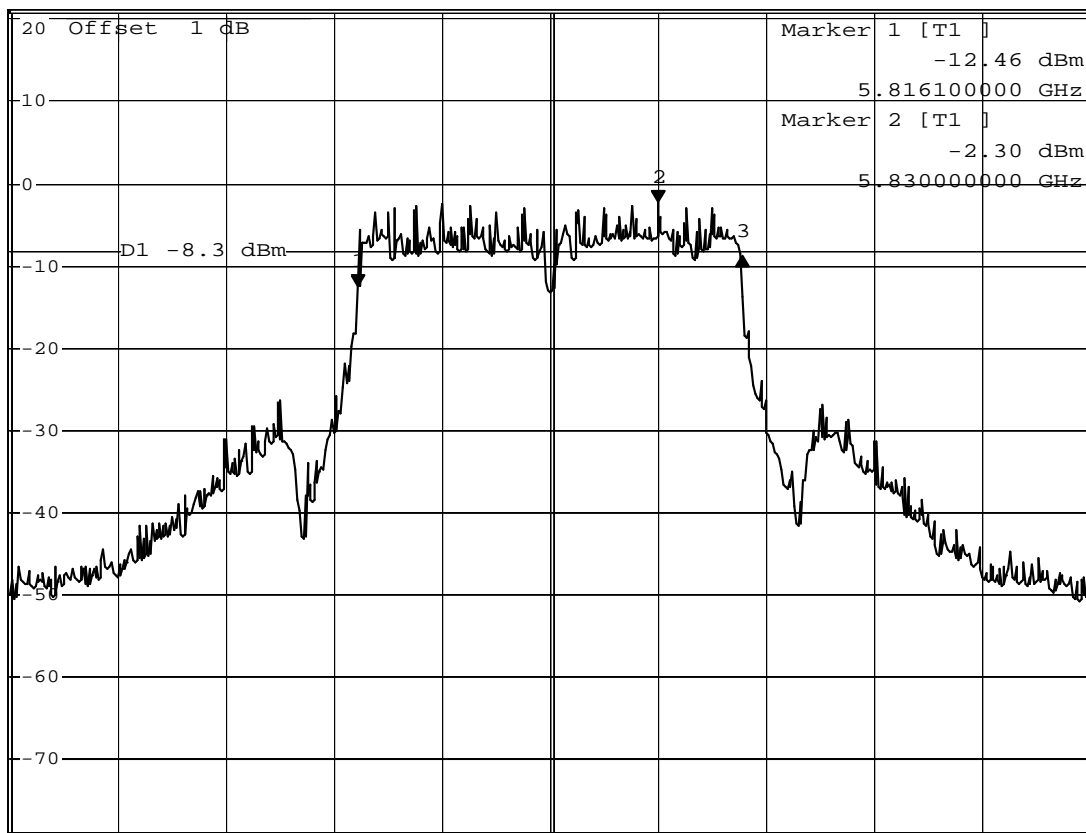
## Channel 165



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 3.79 dB  
 \*SWT 100 ms 17.80000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 5.825 GHz 5 MHz/ Span 50 MHz

Date: 12.NOV.2011 11:00:17

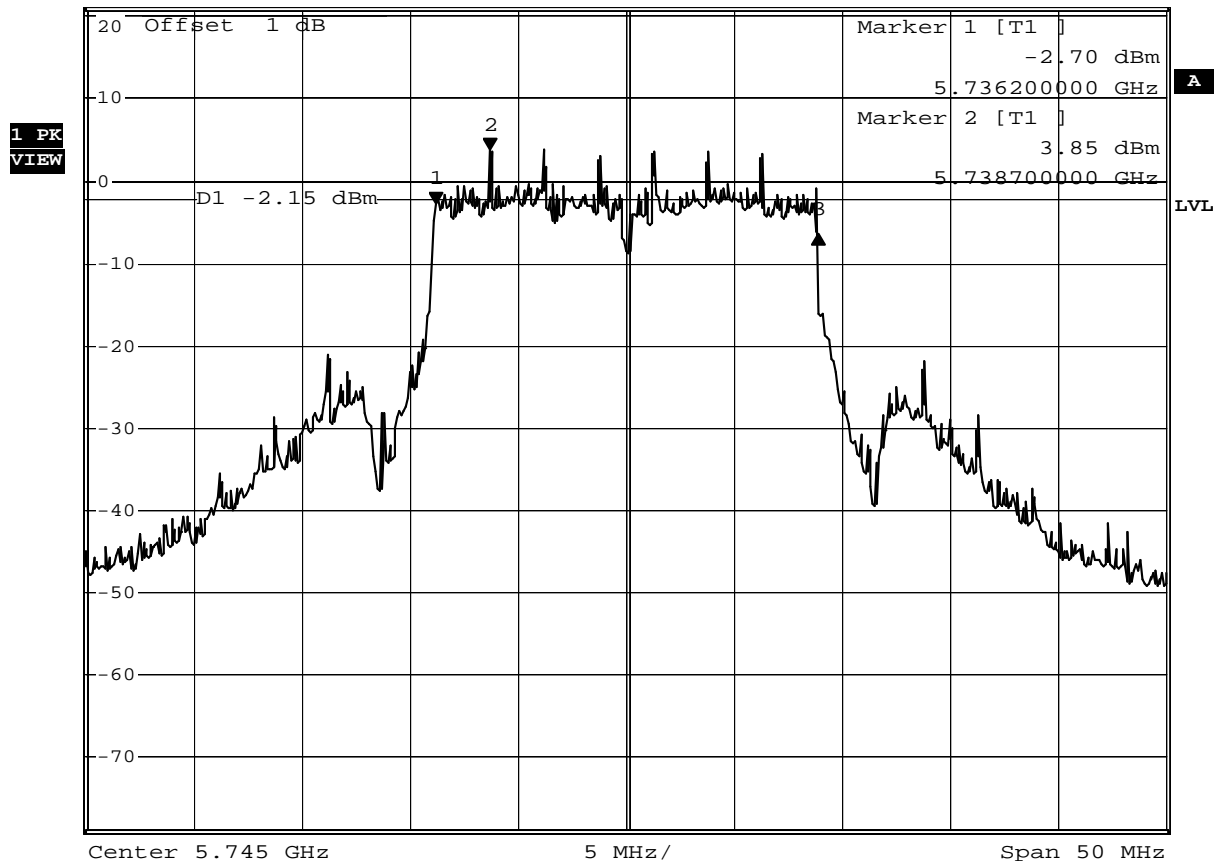
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.7	$\geq 0.5$	Pass
157	5785	17.3	$\geq 0.5$	Pass
165	5825	17.1	$\geq 0.5$	Pass

### Channel 149



\*RBW 100 kHz    Delta 3 [T1 ]  
 \*VBW 100 kHz    -3.79 dB  
 \*SWT 100 ms    17.70000000 MHz  
 Ref 21 dBm    \*Att 30 dB



Date: 12.NOV.2011 10:53:36

**Channel 157**

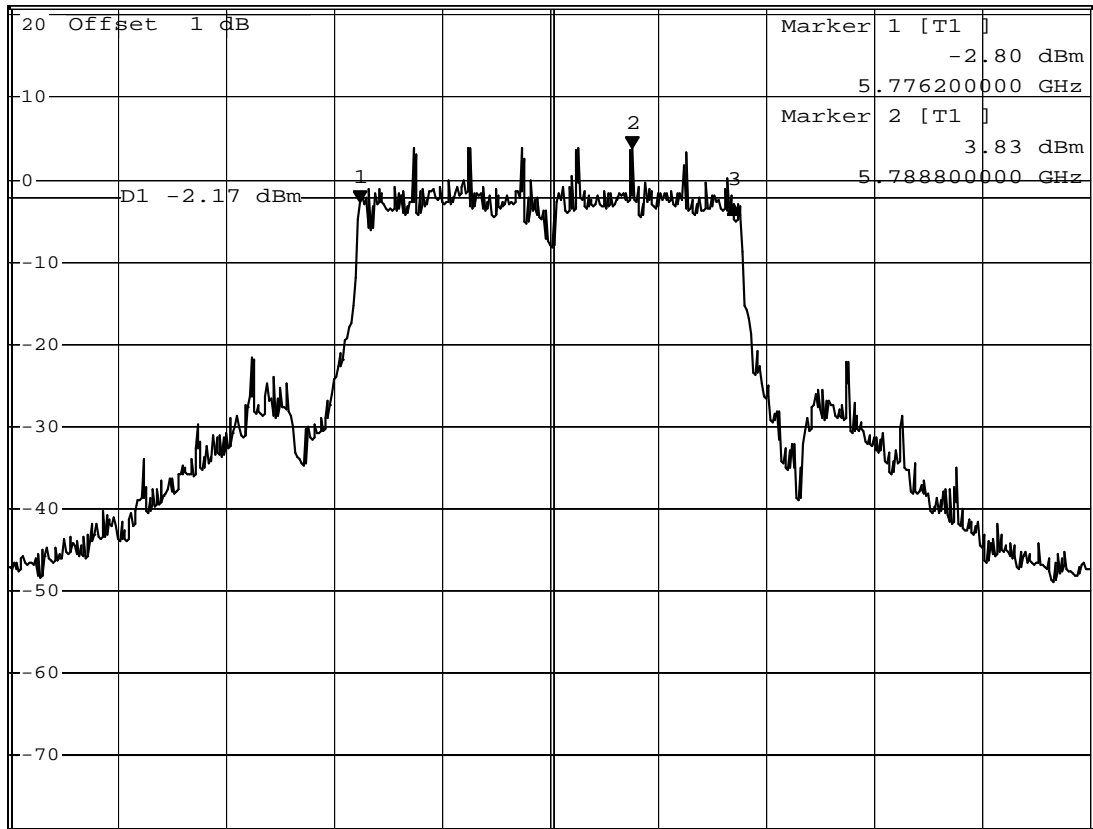


\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.19 dB  
 \*SWT 100 ms 17.30000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.785 GHz 5 MHz/ Span 50 MHz

Date: 12.NOV.2011 10:55:53

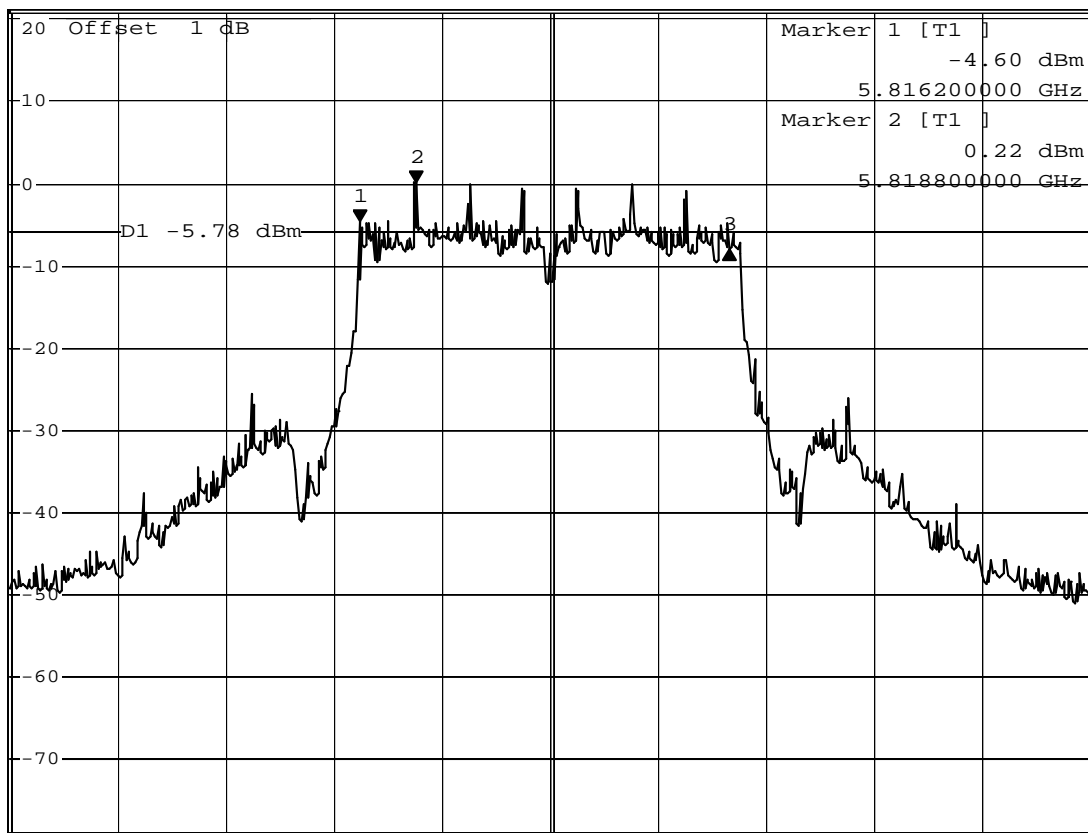
## Channel 165



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -3.32 dB  
 \*SWT 100 ms 17.10000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



A

LVL

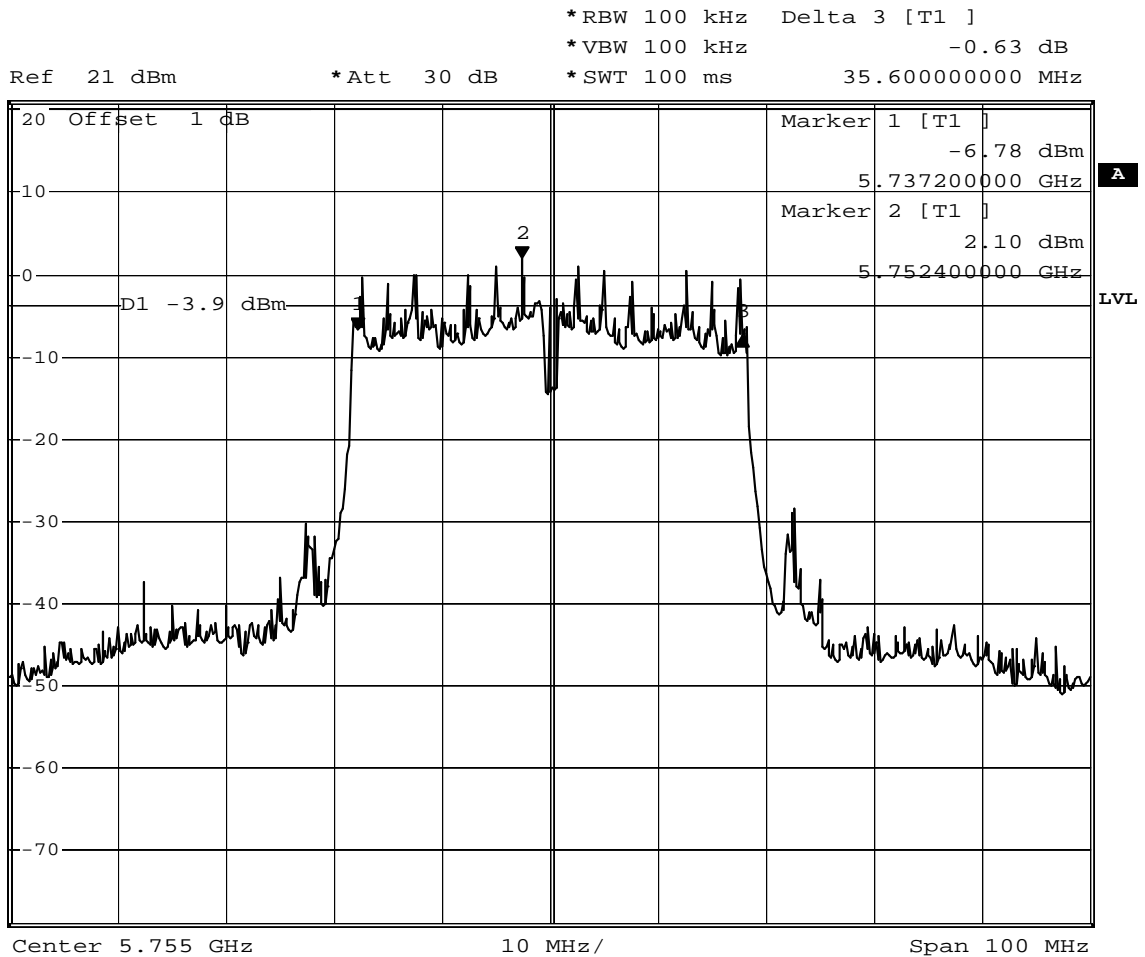
Center 5.825 GHz 5 MHz/ Span 50 MHz

Date: 12.NOV.2011 10:59:28

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	35.6	$\geq 0.5$	Pass
159	5795	36.2	$\geq 0.5$	Pass

### Channel 151



Date: 12.NOV.2011 10:49:30

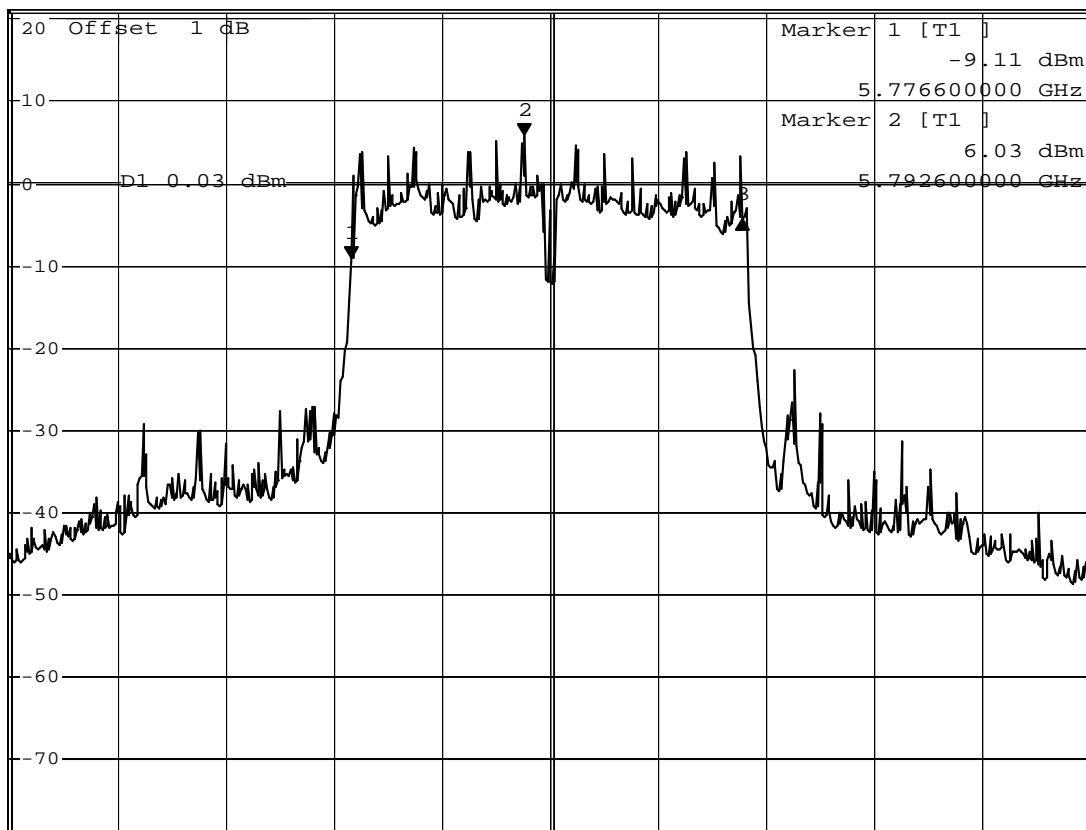
**Channel 159**



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 4.72 dB  
 \*SWT 100 ms 36.20000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 5.795 GHz 10 MHz/ Span 100 MHz

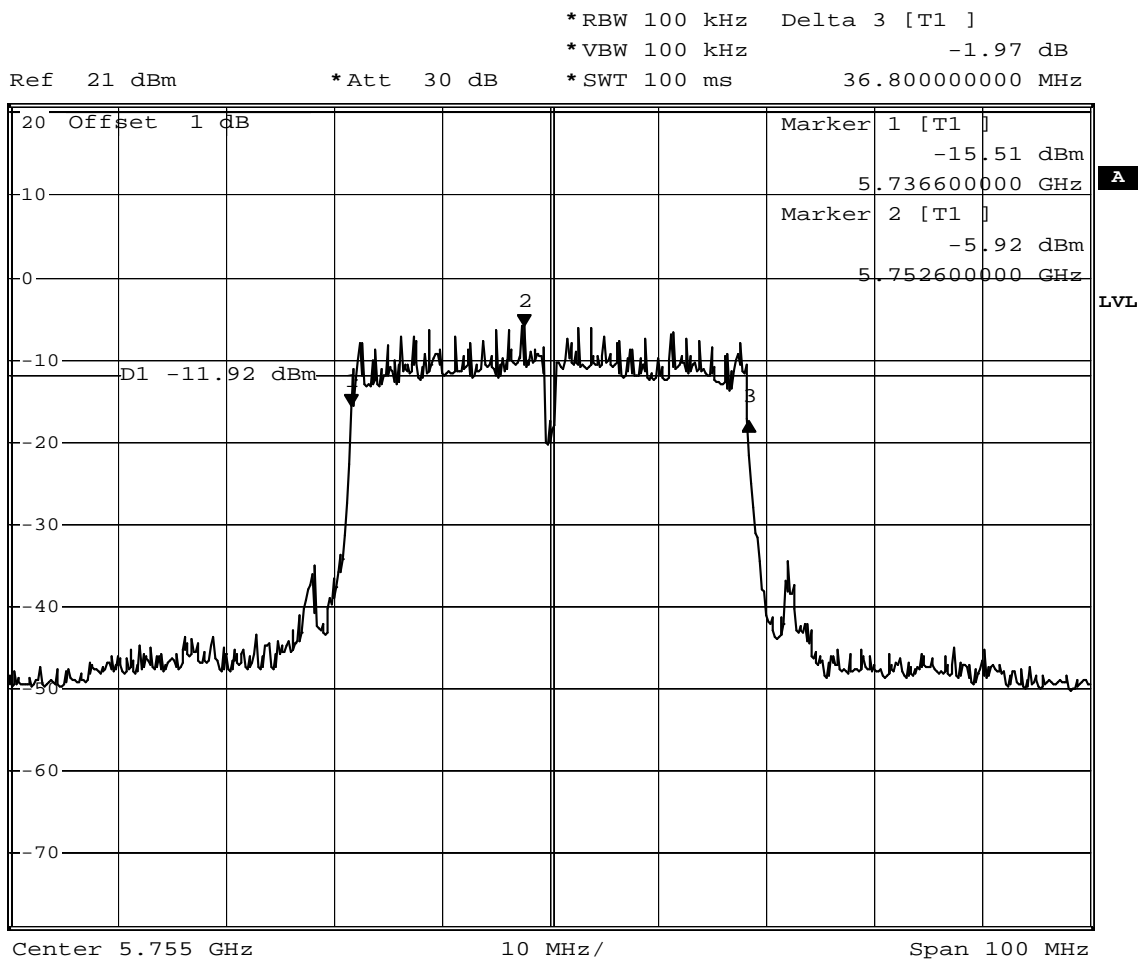
Date: 12.NOV.2011 10:43:36



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.8	$\geq 0.5$	Pass
159	5795	35.6	$\geq 0.5$	Pass

### Channel 151



Date: 12.NOV.2011 10:47:20

## Channel 159

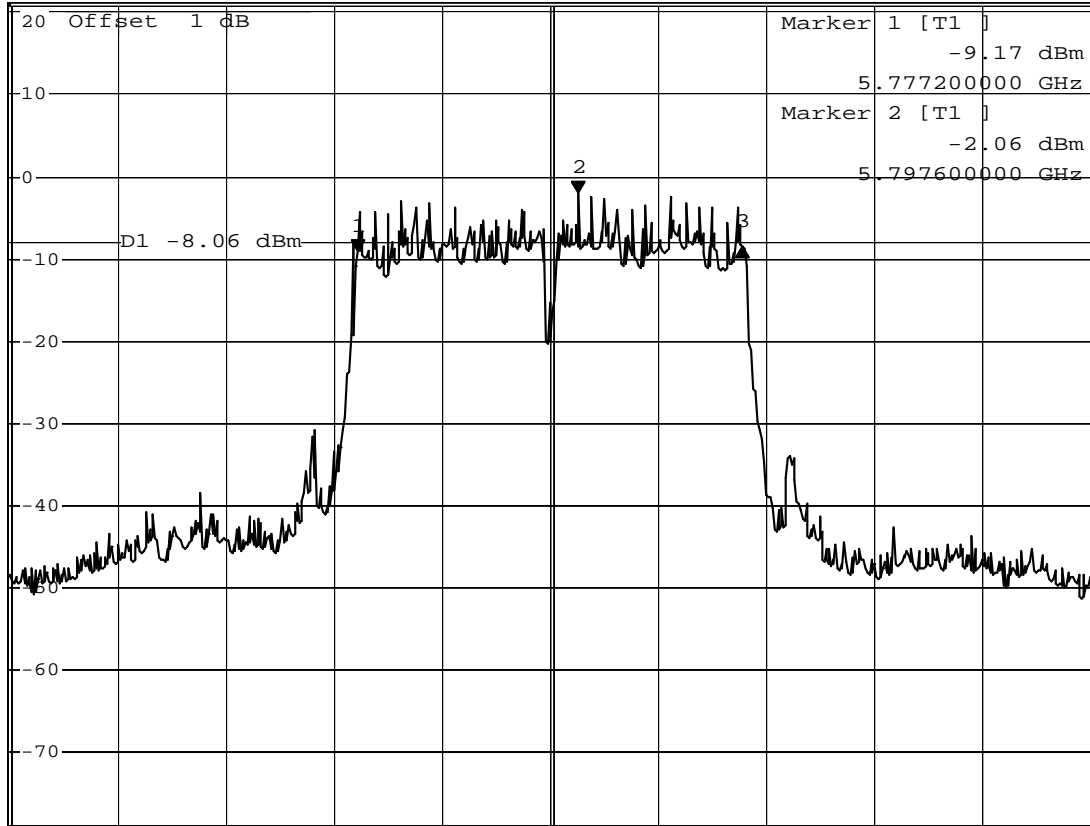


\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 0.57 dB  
 \*SWT 100 ms 35.60000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.795 GHz 10 MHz/ Span 100 MHz

Date: 12.NOV.2011 10:46:14

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	35.0	$\geq 0.5$	Pass
159	5795	33.2	$\geq 0.5$	Pass

### Channel 151

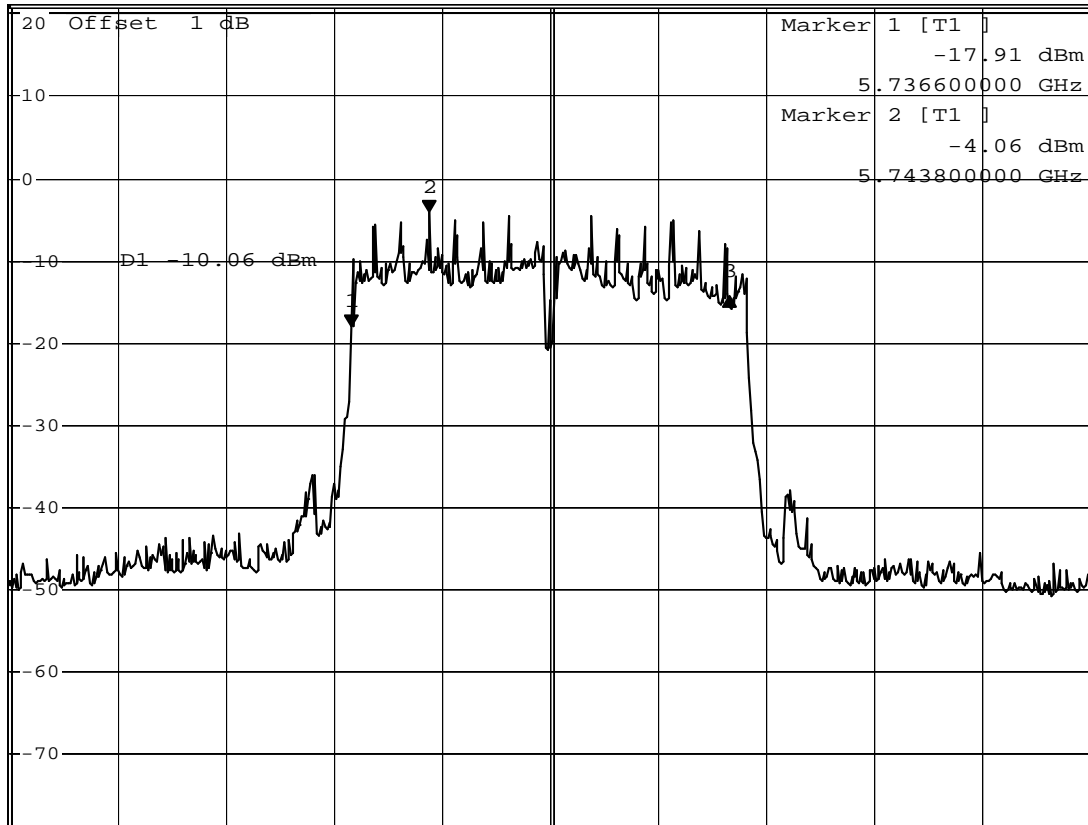


\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz 3.69 dB  
 \*SWT 100 ms 35.00000000 MHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Date: 12.NOV.2011 10:48:09

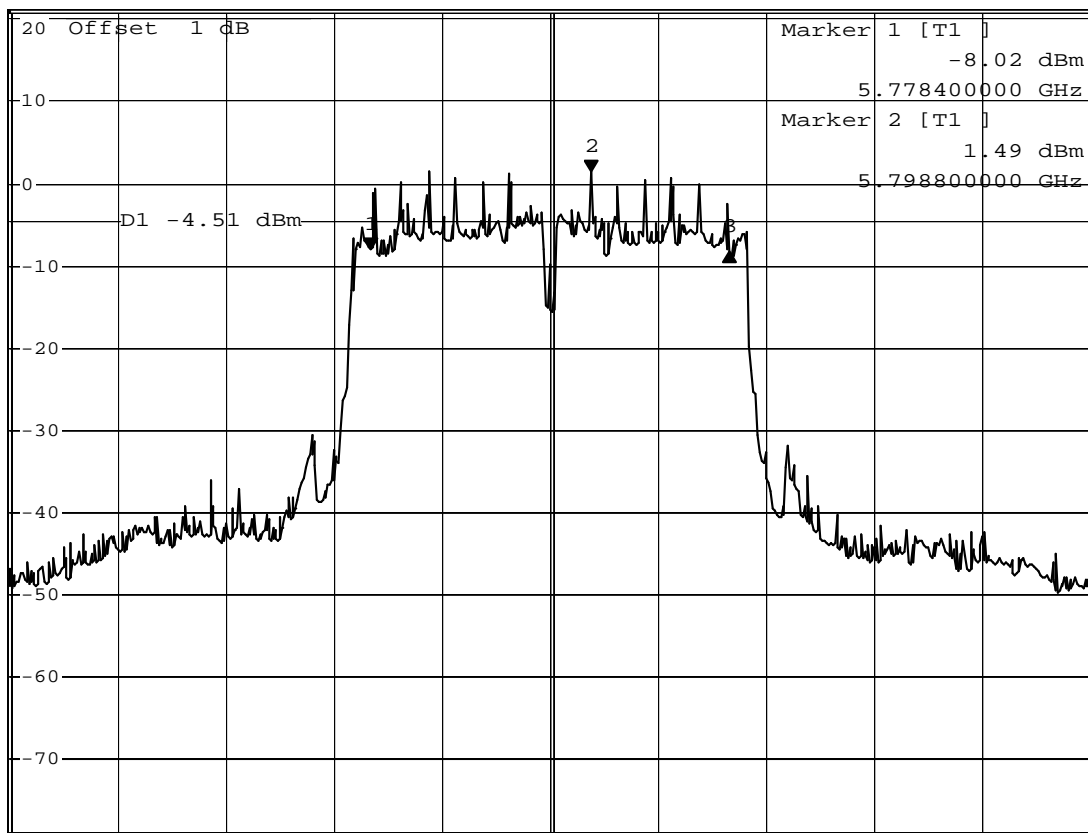
## Channel 159



\*RBW 100 kHz Delta 3 [T1 ]  
 \*VBW 100 kHz -0.34 dB  
 \*SWT 100 ms 33.20000000 MHz

Ref 21 dBm \*Att 30 dB

1 PK  
VIEW



Center 5.795 GHz 10 MHz/ Span 100 MHz

Date: 12.NOV.2011 10:45:07

**8. Power Density**

**8.1. Test Equipment**

The following test equipment is used during the test:

**Power Density / SR7 (802.11n 40MHz)**

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP40	100005	2014/03/13

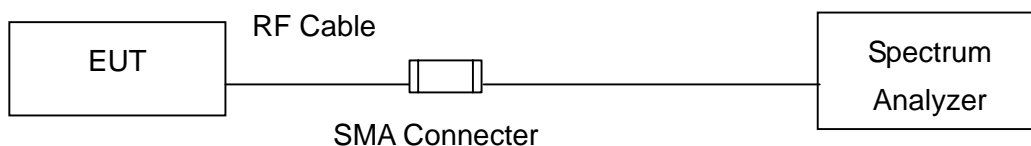
**Power Density / SR7 (Other)**

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

**8.2. Test Setup**

IEEE 802.11 b / g / n ( 20M / 40M ) MODE



**8.3. Limits**

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

**8.4. Test Procedures**

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.  
 Set RBW= 3 kHz, Set VBW ≥ 9 kHz, Sweep time=Auto, Set detector=Peak detector

**8.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

**8.6. Uncertainty**

The measurement uncertainty is defined as ±1.27dB.

8.7. Test Result

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-0.31	≤ 8	Pass
6	2437	-2.02	≤ 8	Pass
11	2462	-4.60	≤ 8	Pass

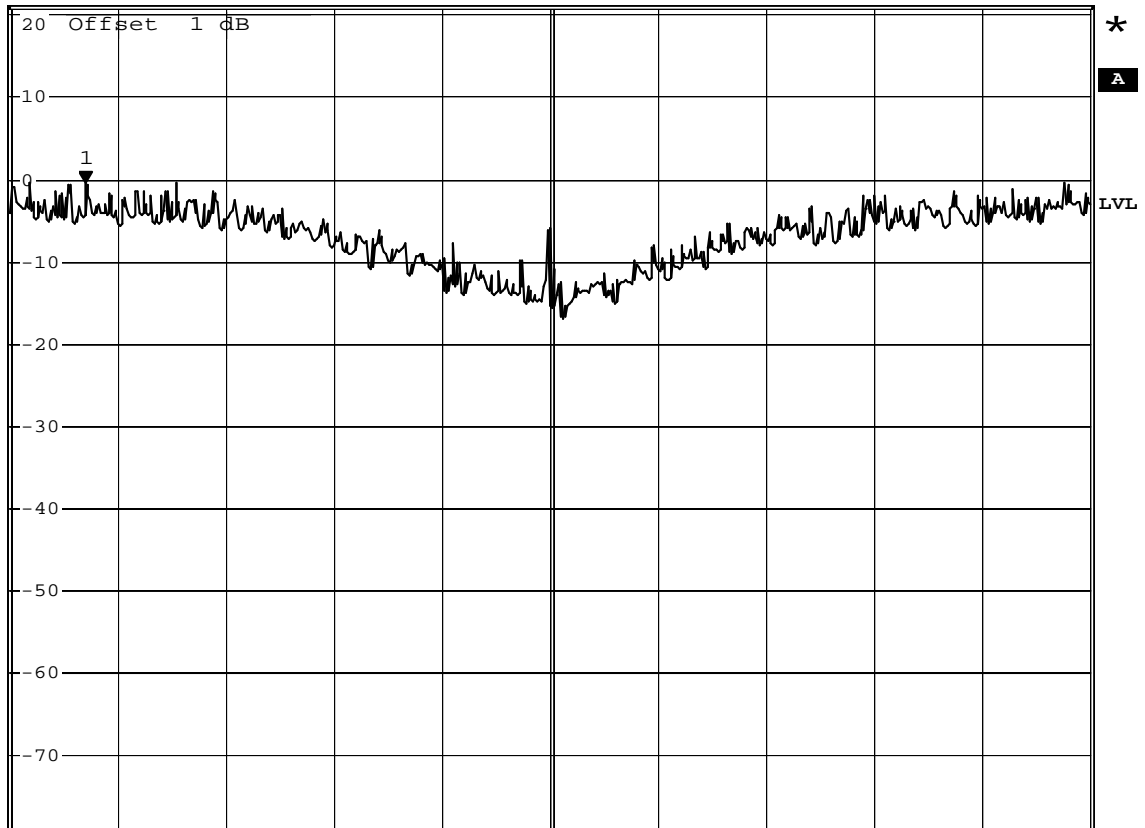
**Channel 1**



\*RBW 3 kHz      Marker 1 [T1 ]  
 \*VBW 10 kHz      -0.31 dBm  
 \*SWT 500 s      2.411355000 GHz

Ref 21 dBm

\*Att 30 dB



Center 2.412 GHz

150 kHz/

Span 1.5 MHz

Date: 11.NOV.2011 17:35:48

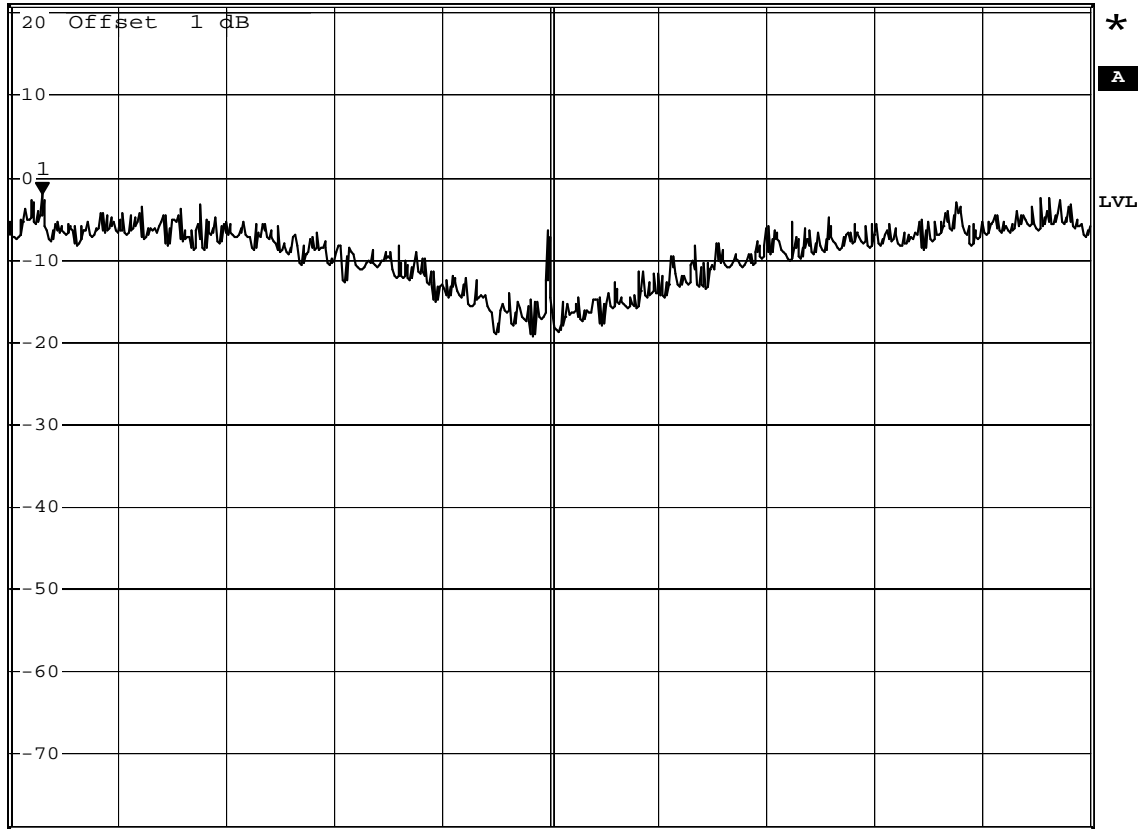
**Channel 6**



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -2.02 dBm  
\*SWT 500 s      2.436295000 GHz

Ref 21 dBm      \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz      150 kHz/      Span 1.5 MHz

Date: 11.NOV.2011 17:35:13

Channel 11

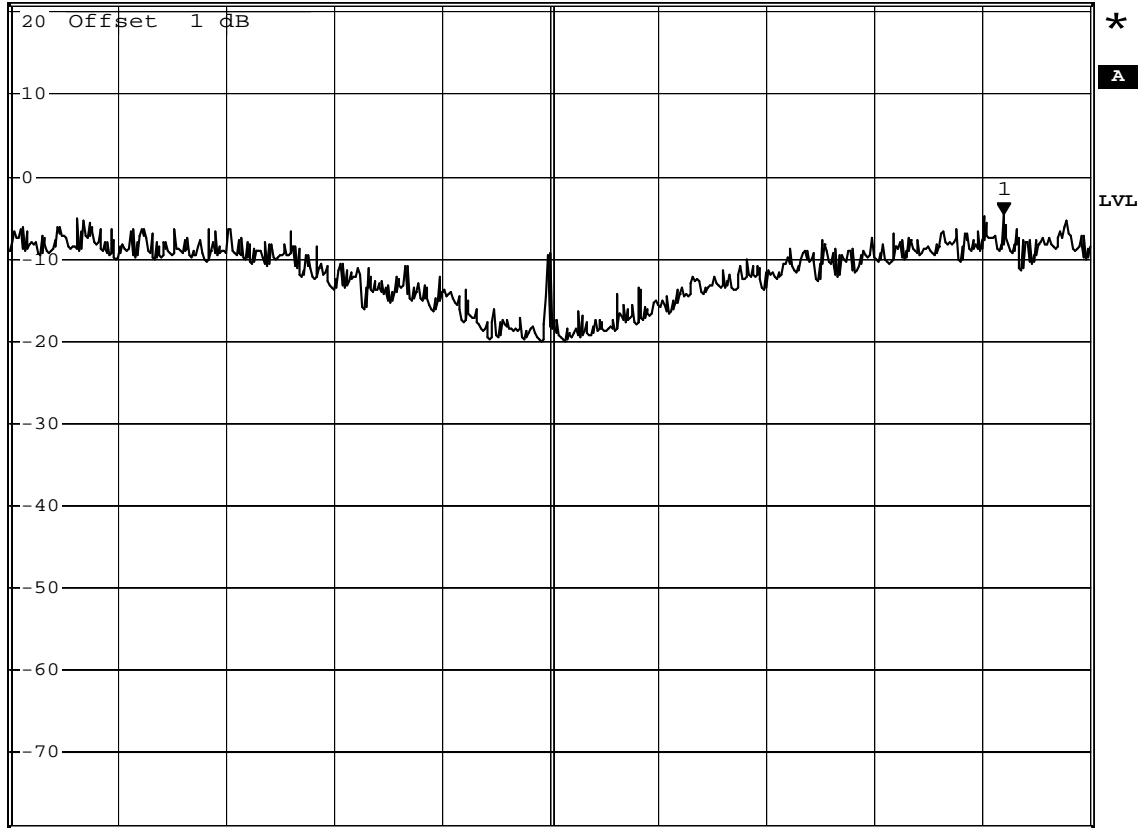


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -4.60 dBm  
\*SWT 500 s      2.462630000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 2.462 GHz

150 kHz/

Span 1.5 MHz

Date: 11.NOV.2011 17:34:29



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.77	≤ 8	Pass
6	2437	-10.92	≤ 8	Pass
11	2462	-12.76	≤ 8	Pass

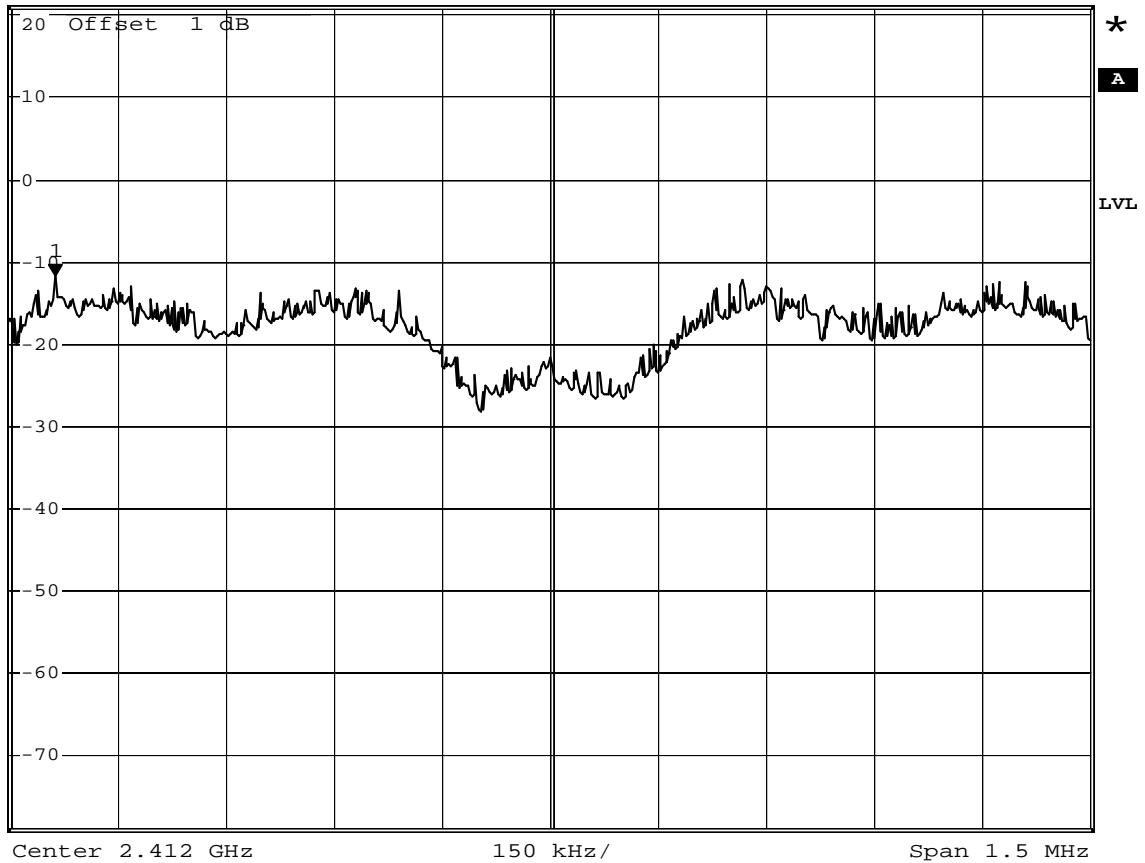
### Channel 1



\*RBW 3 kHz      Marker 1 [T1 ]  
 \*VBW 10 kHz      -11.77 dBm  
 \*SWT 500 s      2.411313000 GHz

Ref 21 dBm

\*Att 30 dB



Date: 11.NOV.2011 17:31:43

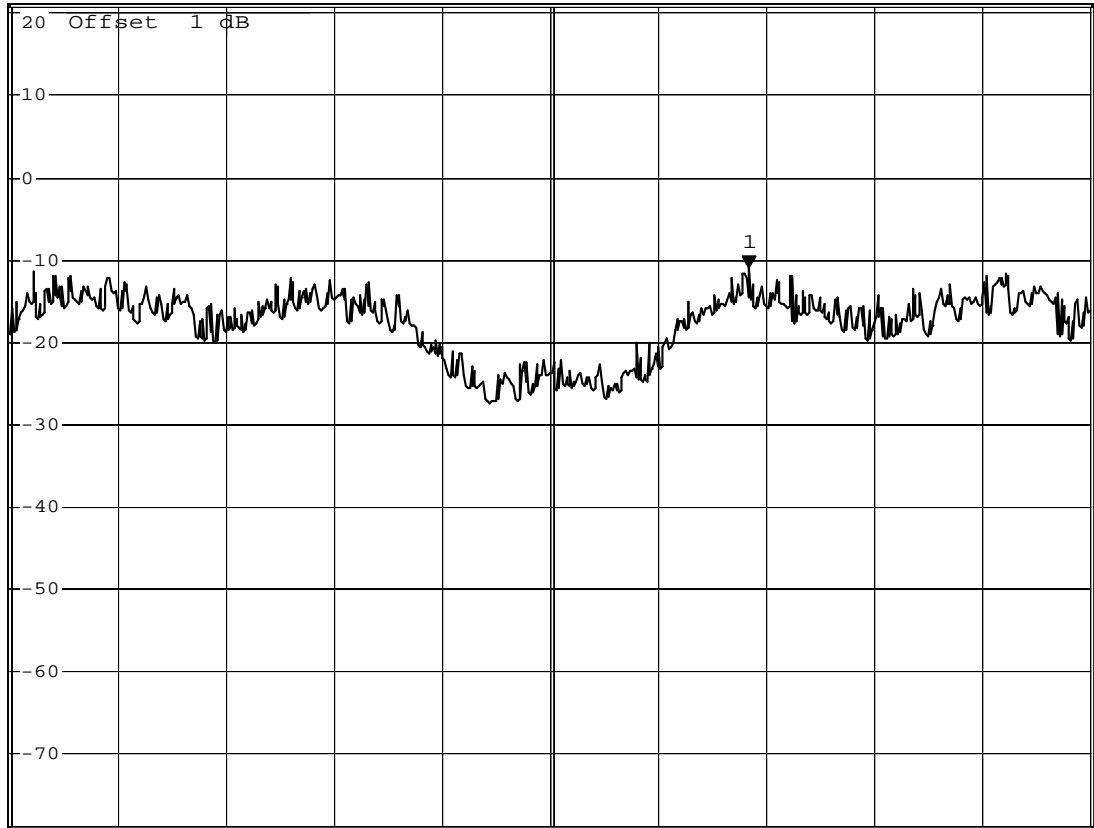
**Channel 6**



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -10.92 dBm  
\*SWT 500 s      2.437276000 GHz

Ref 21 dBm      \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz      150 kHz/      Span 1.5 MHz

Date: 11.NOV.2011 17:32:48

Channel 11

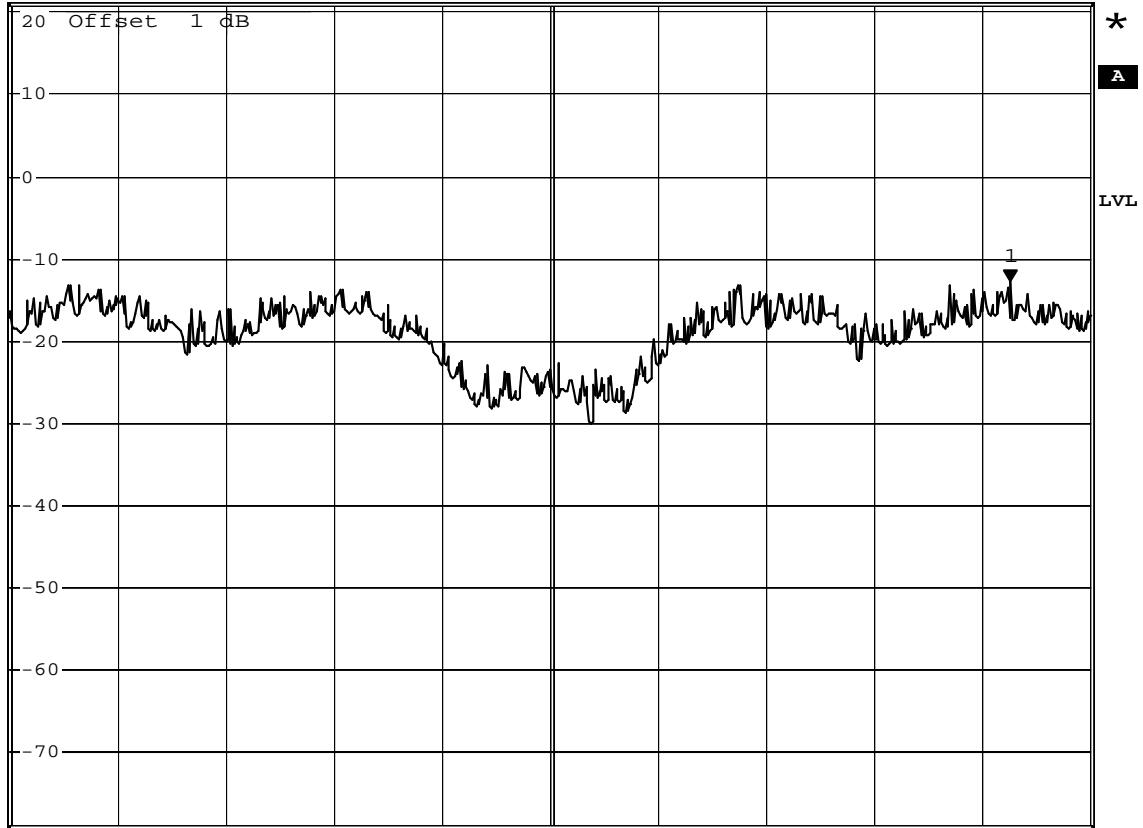


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -12.76 dBm  
\*SWT 500 s      2.462639000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW

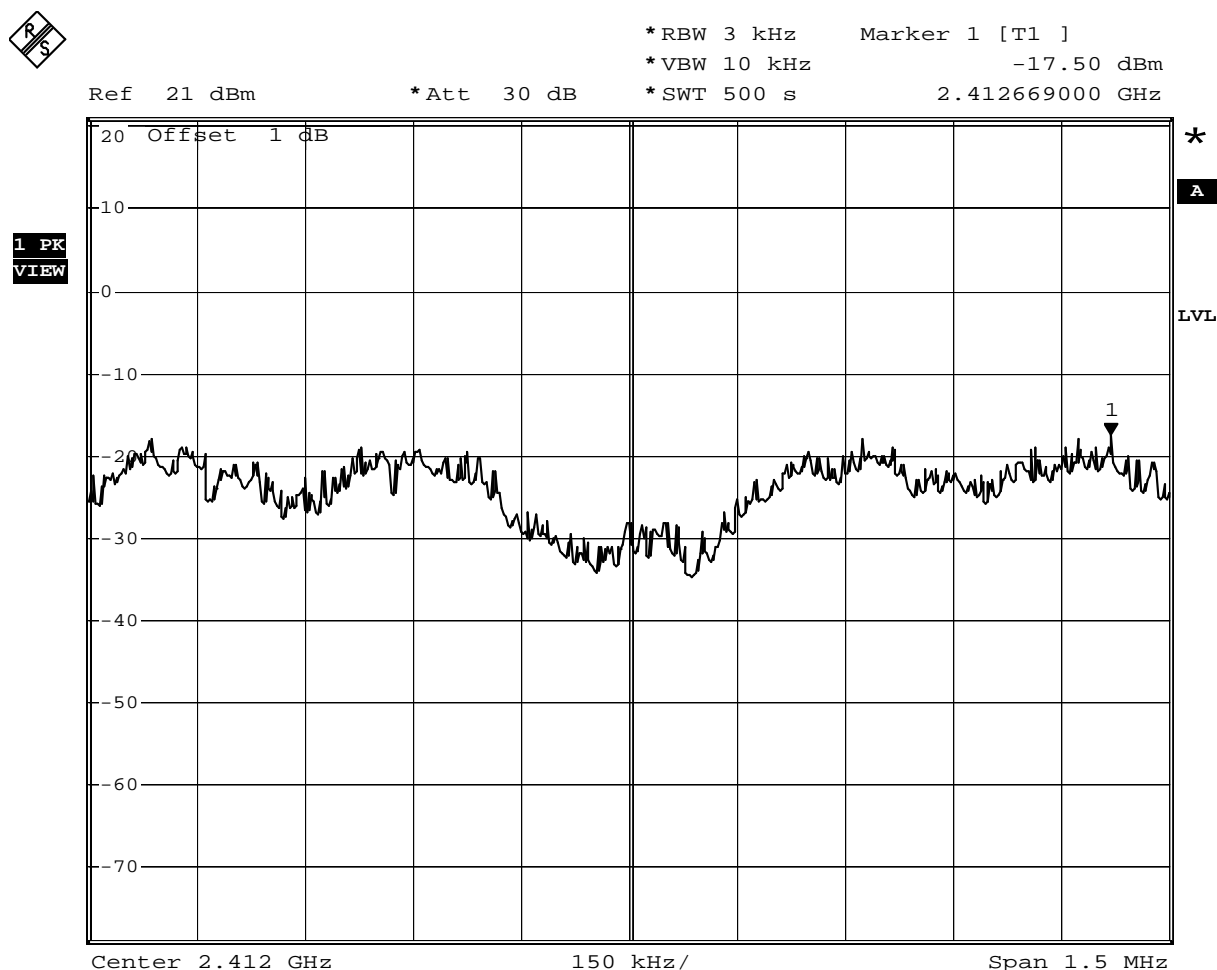


Date: 11.NOV.2011 17:33:27

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	-17.50	≤ 8	Pass
6	2437.00	-17.58	≤ 8	Pass
11	2462.00	-15.81	≤ 8	Pass

### Channel 1



Date: 11.NOV.2011 17:22:04

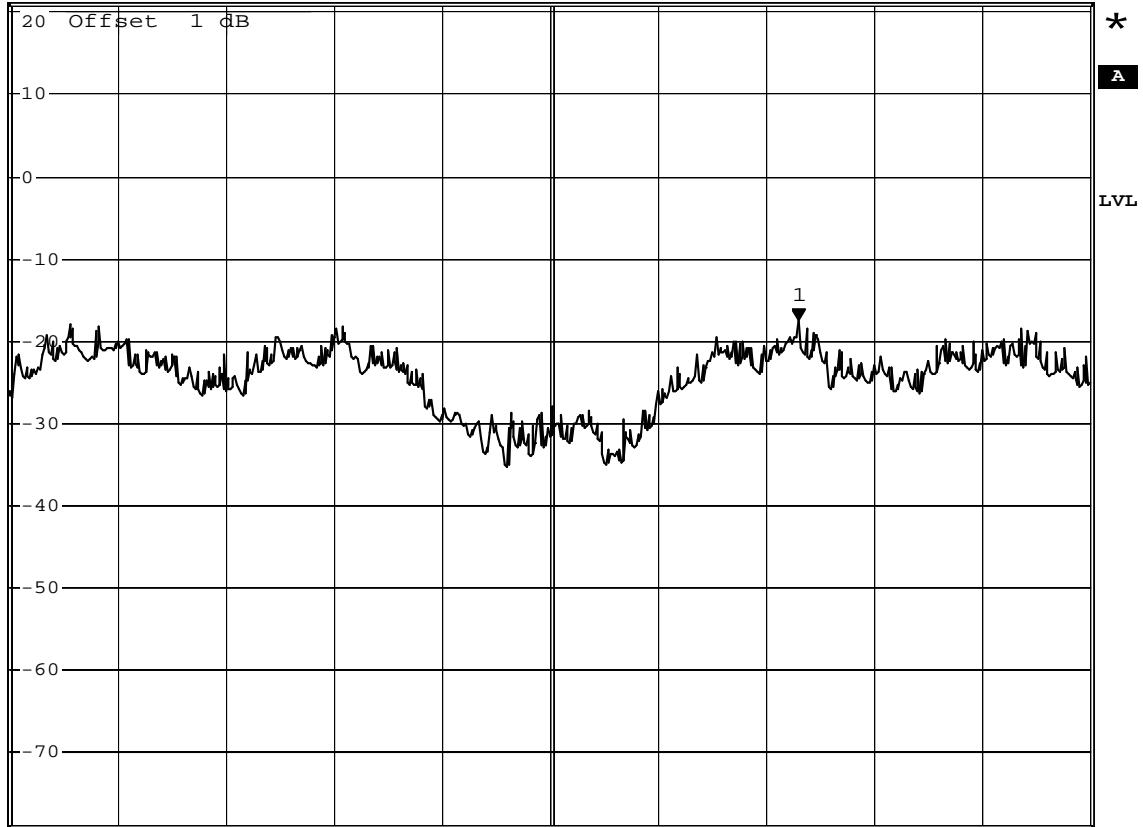
Channel 6



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -17.58 dBm  
\*SWT 500 s      2.437345000 GHz

Ref 21 dBm      \*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz      150 kHz/      Span 1.5 MHz

Date: 11.NOV.2011 17:16:48

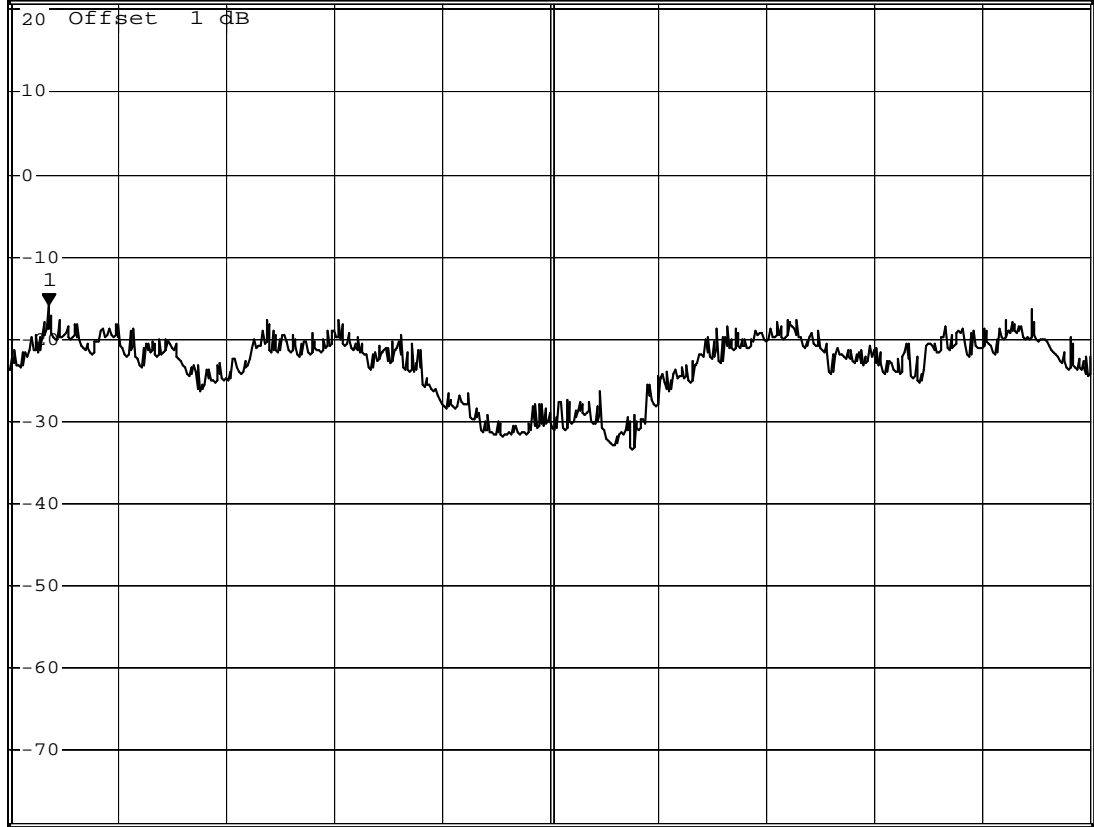
Channel 11



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -15.81 dBm  
\*SWT 500 s      2.461304000 GHz

Ref 21 dBm

\*Att 30 dB



Center 2.462 GHz

150 kHz/

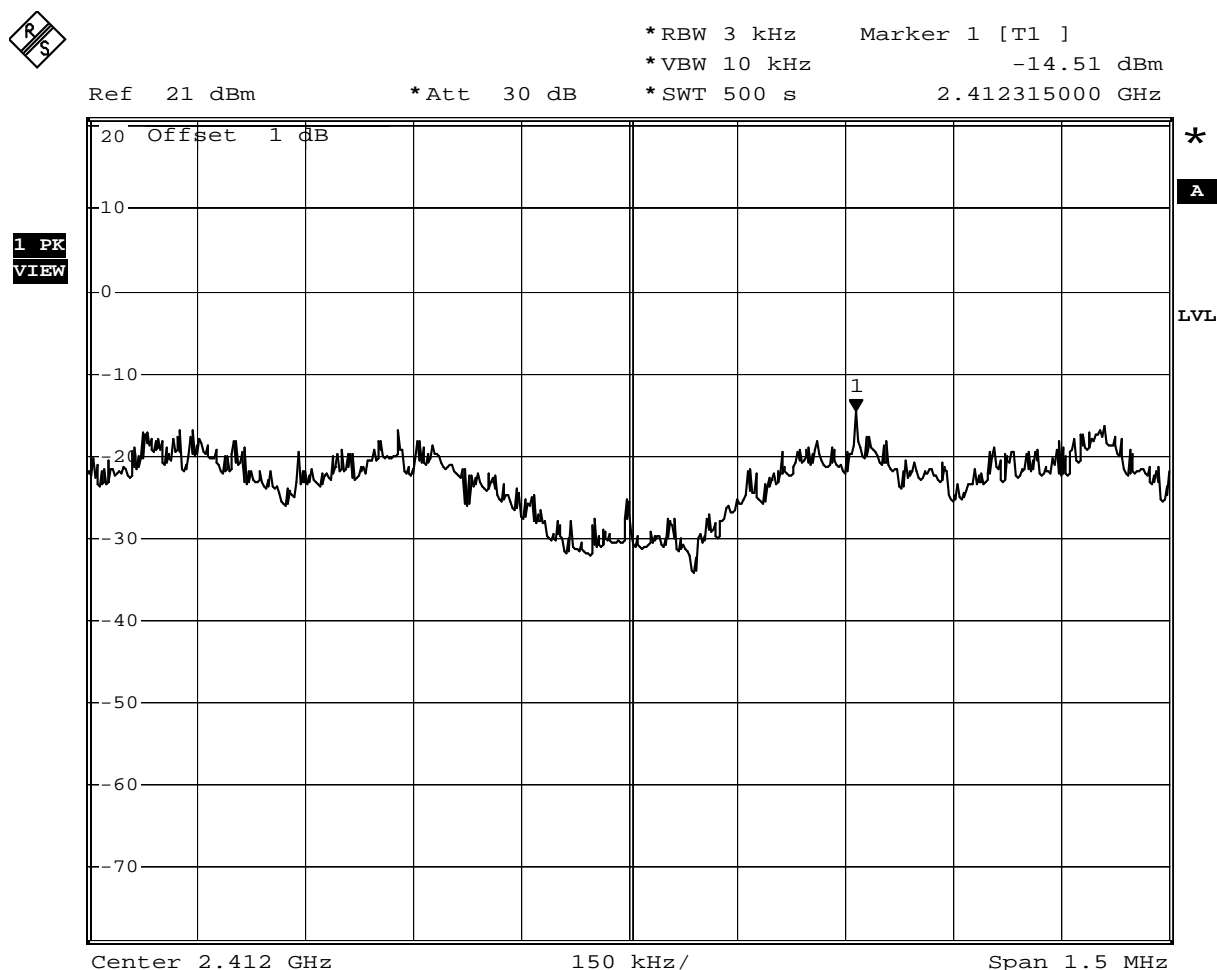
Span 1.5 MHz

Date: 11.NOV.2011 17:15:55

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	-14.51	≤ 8	Pass
6	2437.00	-16.17	≤ 8	Pass
11	2462.00	-14.18	≤ 8	Pass

### Channel 1



Date: 11.NOV.2011 17:20:30

**Channel 6**

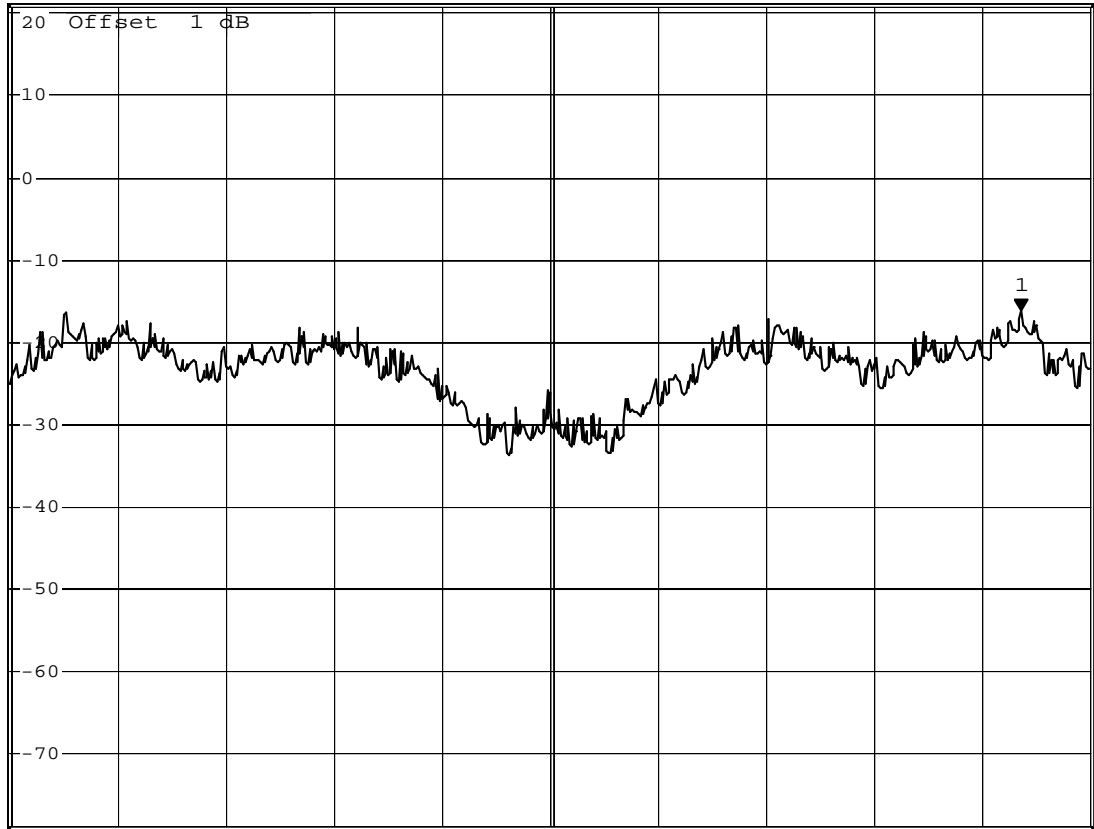


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -16.17 dBm  
\*SWT 500 s      2.437654000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz

150 kHz/

Span 1.5 MHz

Date: 11.NOV.2011 17:18:10



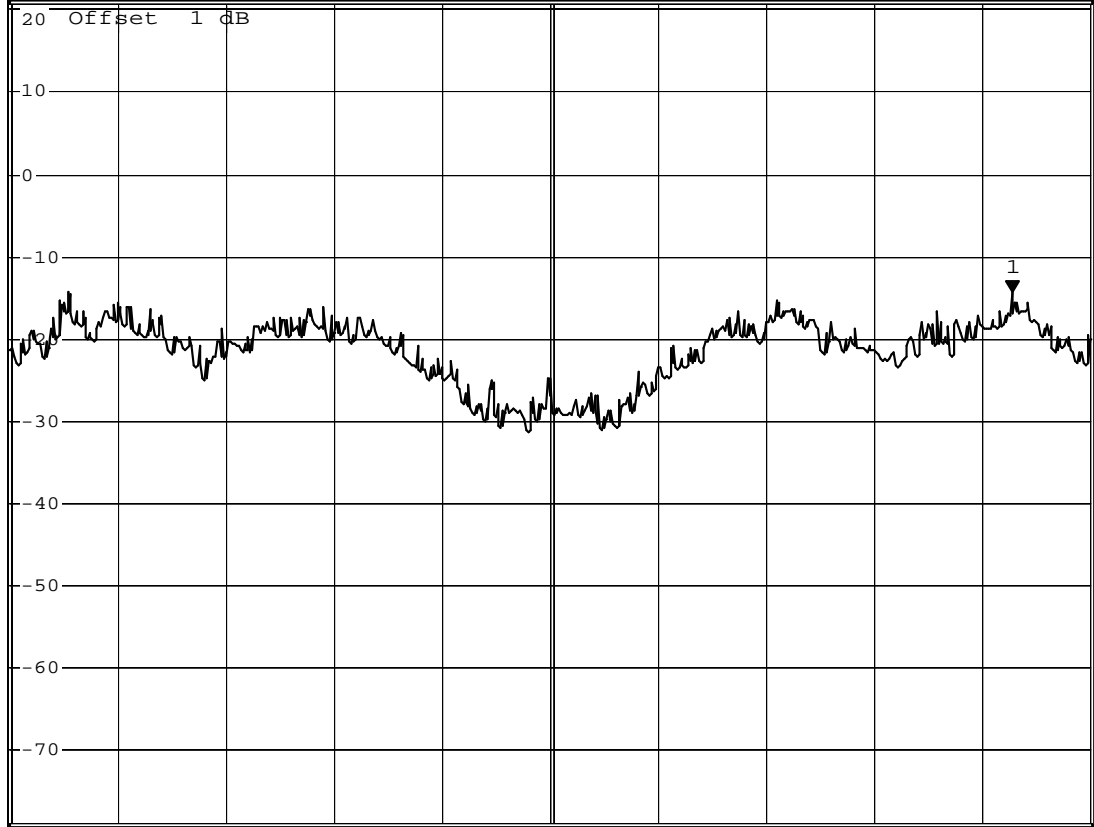
Channel 11



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -14.18 dBm  
\*SWT 500 s      2.462642000 GHz

Ref 21 dBm

\*Att 30 dB



Center 2.462 GHz

150 kHz/

Span 1.5 MHz

Date: 11.NOV.2011 17:14:42

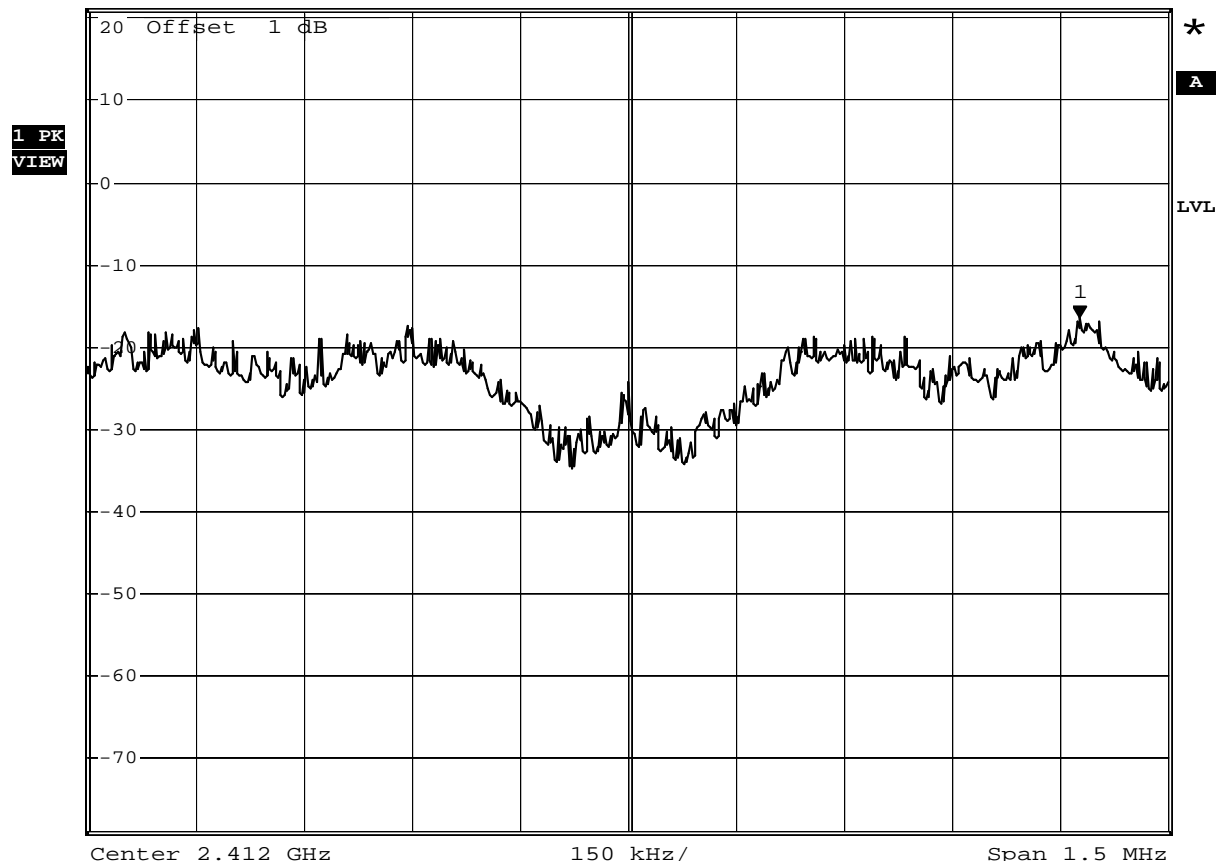
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	-16.35	≤ 8	Pass
6	2437.00	-17.52	≤ 8	Pass
11	2462.00	-15.37	≤ 8	Pass

### Channel 1



\*RBW 3 kHz      Marker 1 [T1 ]  
 \*VBW 10 kHz      -16.35 dBm  
 \*SWT 500 s      2.412627000 GHz  
 Ref 21 dBm      \*Att 30 dB



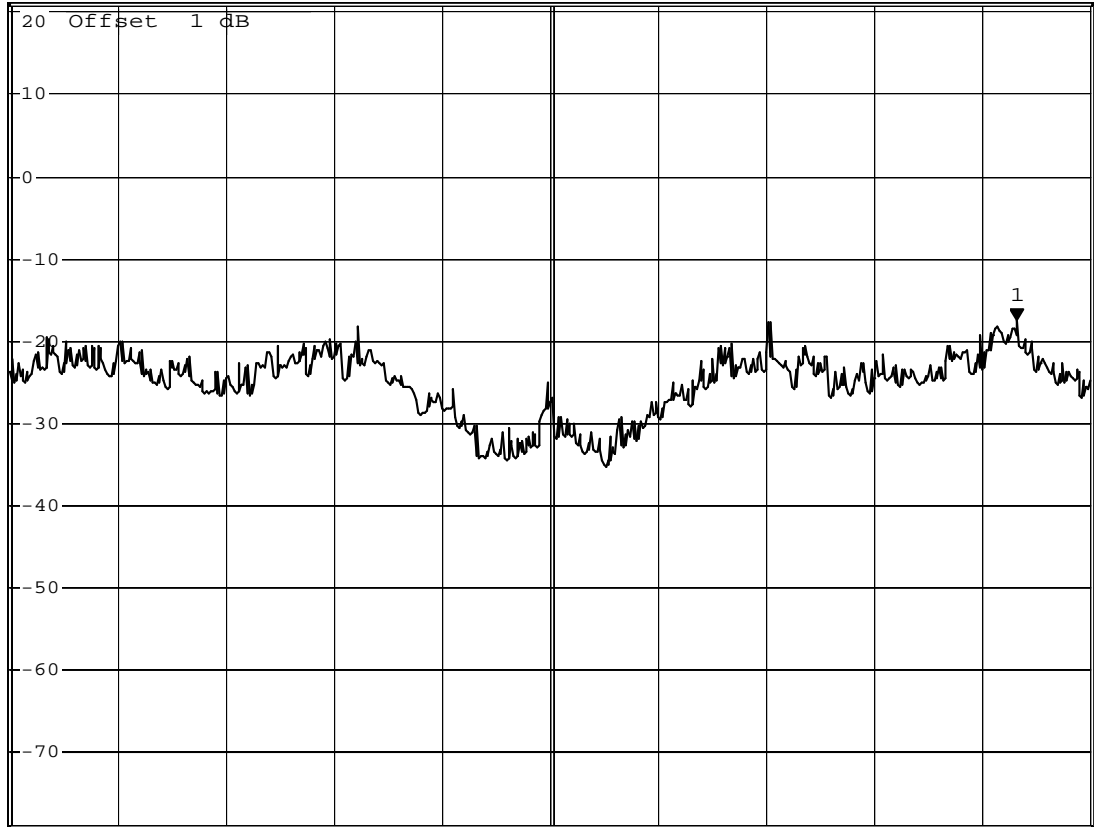
Date: 11.NOV.2011 17:21:27

**Channel 6**



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -17.52 dBm  
\*SWT 500 s      2.437648000 GHz

Ref 21 dBm      \*Att 30 dB



Date: 11.NOV.2011 17:17:41

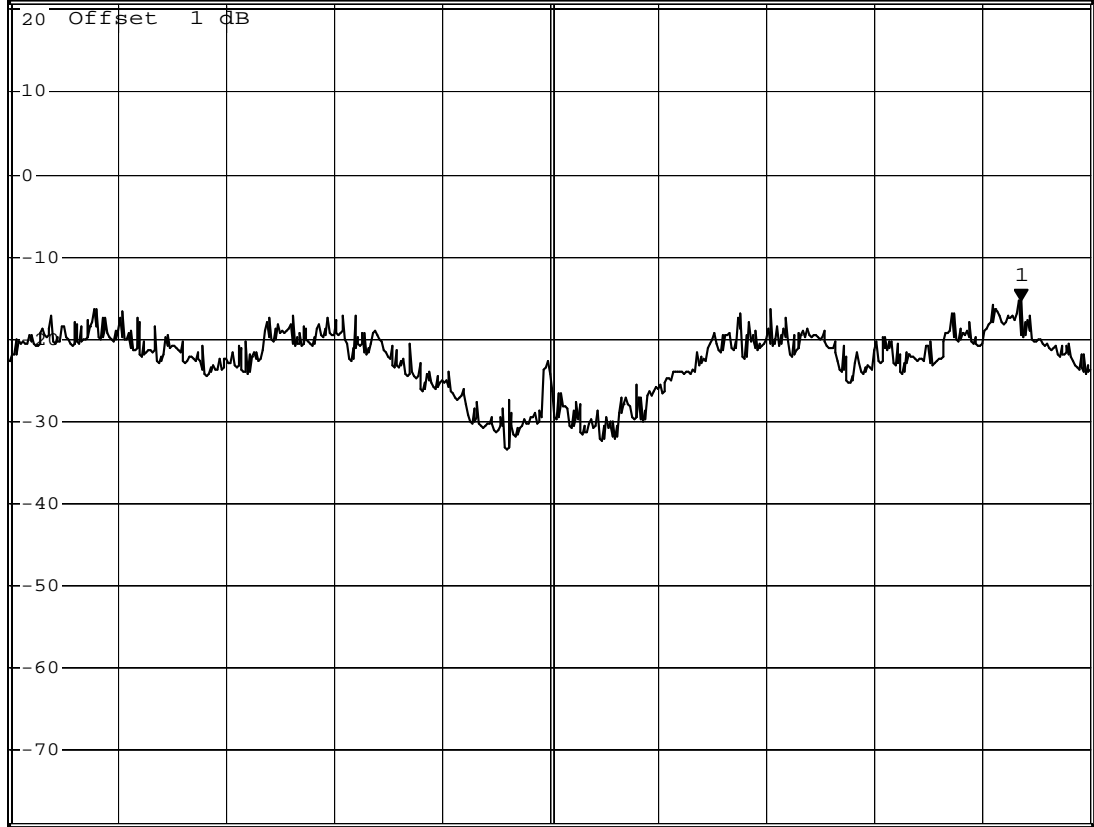
Channel 11



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -15.37 dBm  
\*SWT 500 s      2.462654000 GHz

Ref 21 dBm

\*Att 30 dB



Center 2.462 GHz

150 kHz/

Span 1.5 MHz

Date: 11.NOV.2011 17:15:25

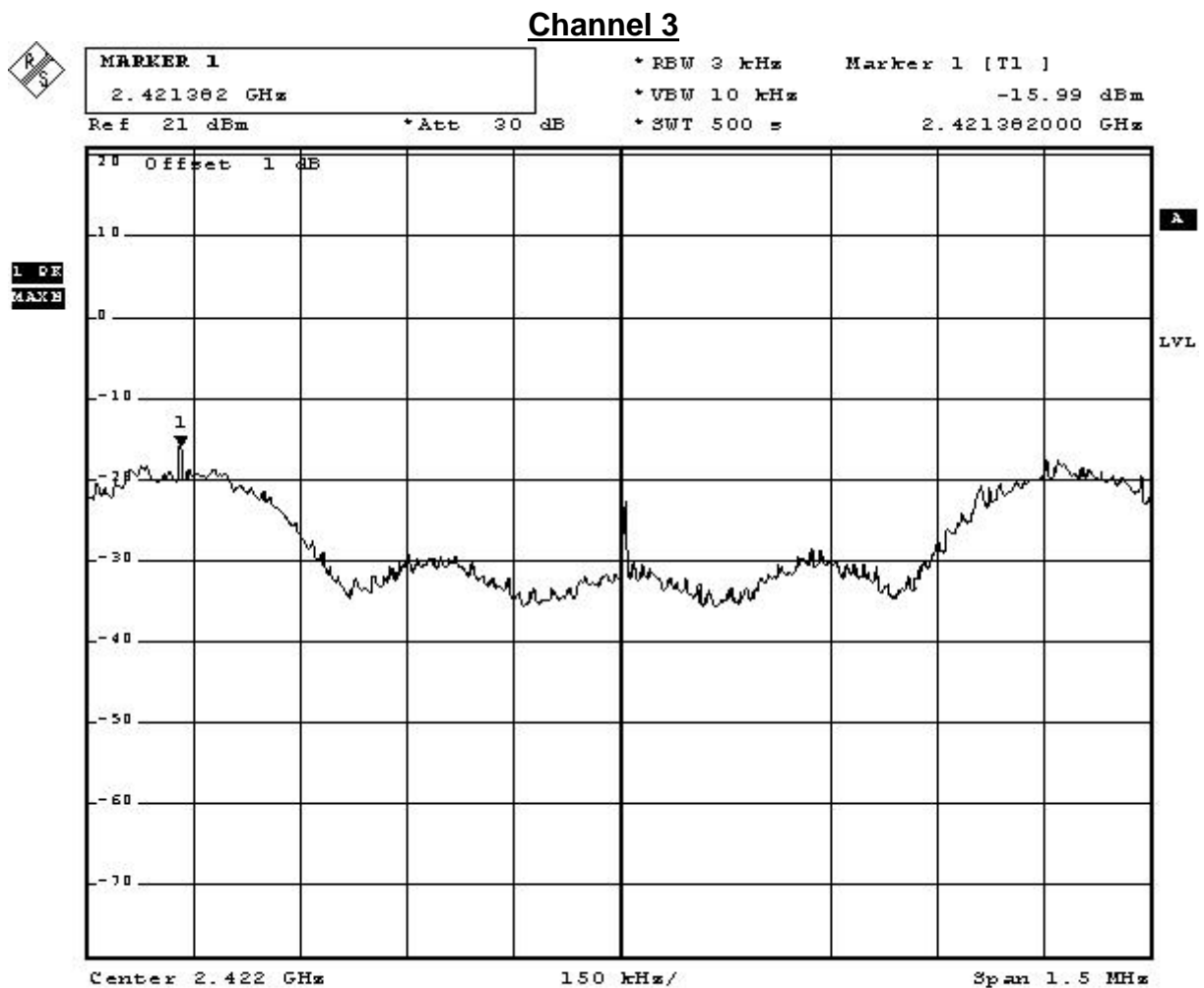
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE802.11n 20MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.17	$\leq 8$	Pass
6	2437	-12.27	$\leq 8$	Pass
11	2462	-10.29	$\leq 8$	Pass

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2014/02/07	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.99	≤ 8	Pass
6	2437	-21.62	≤ 8	Pass
9	2452	-15.78	≤ 8	Pass



Date: 7.FEB.2014 17:31:33

Channel 6

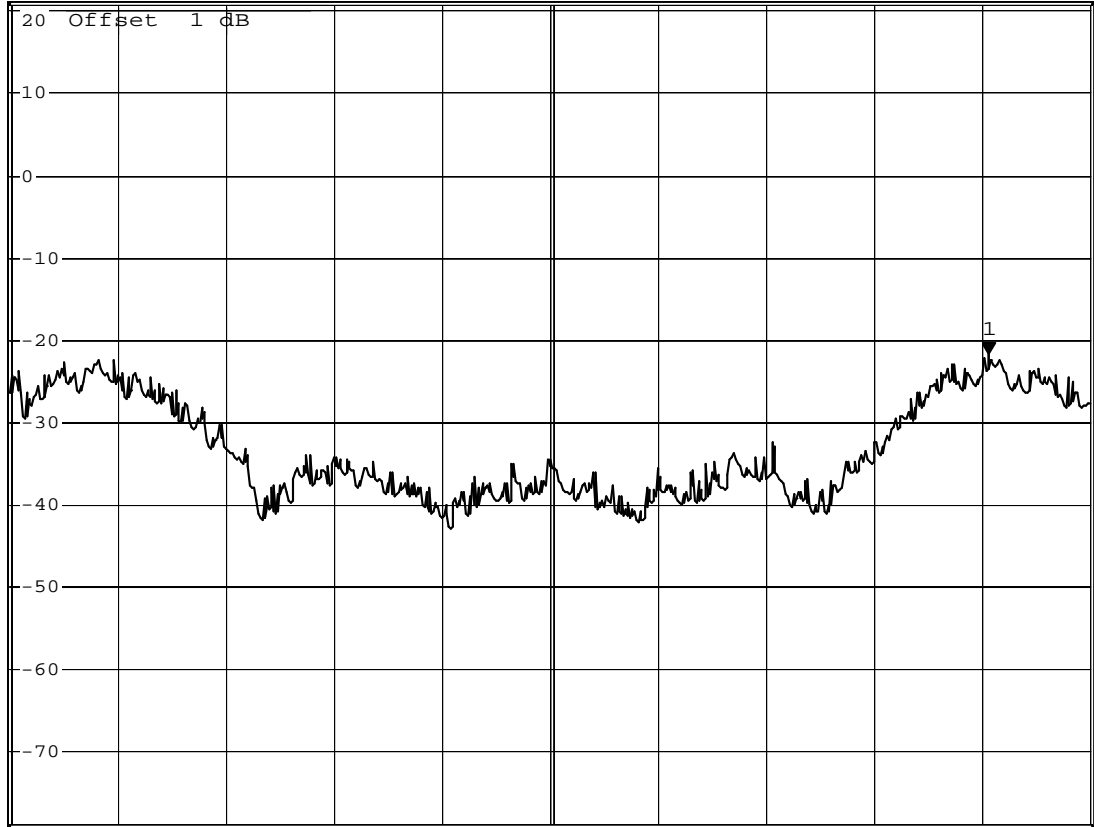


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -21.62 dBm  
\*SWT 500 s      2.422609000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 2.422 GHz

150 kHz/

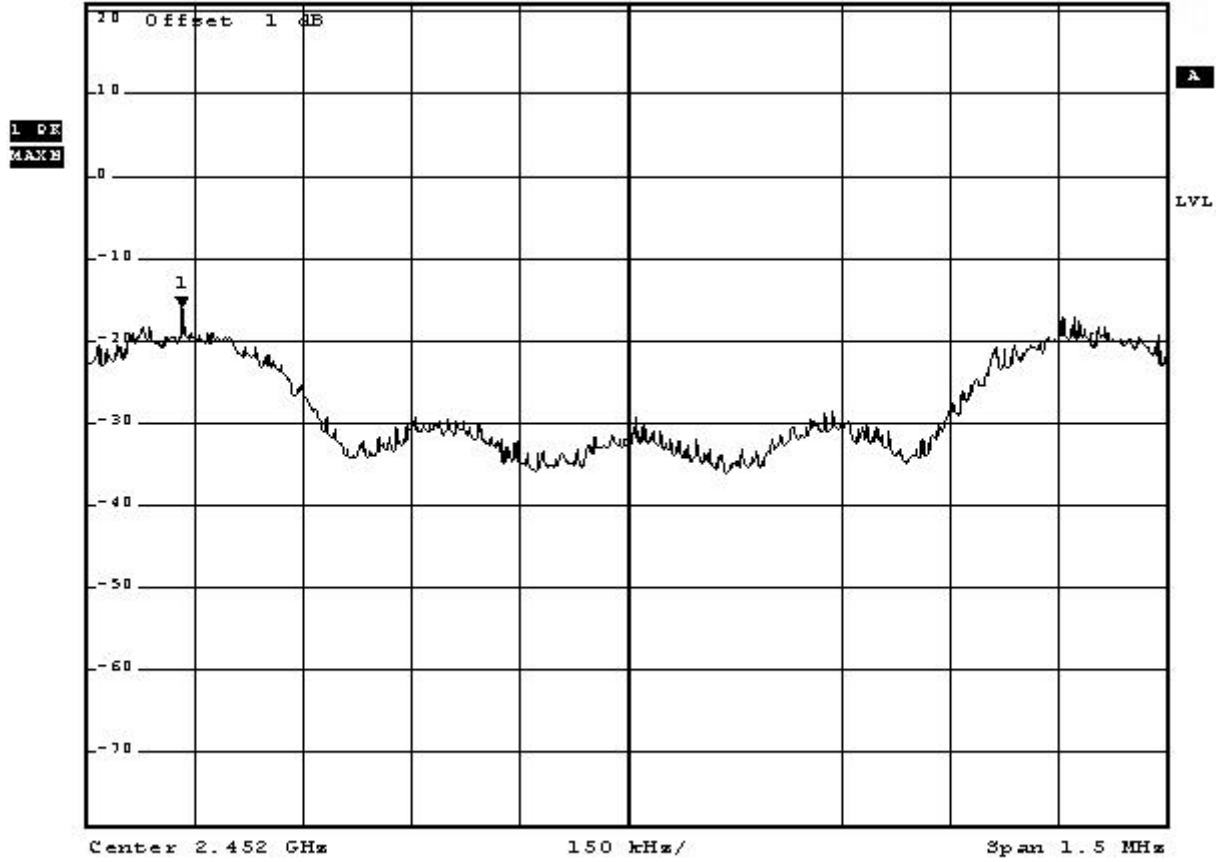
Span 1.5 MHz

Date: 11.NOV.2011 17:10:06

Channel 9



**SWEEP TIME**  
500 μs  
\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -15.78 dBm  
Ref 21 dBm      \*Att 30 dB      \*SWT 500 μs      2.451382000 GHz



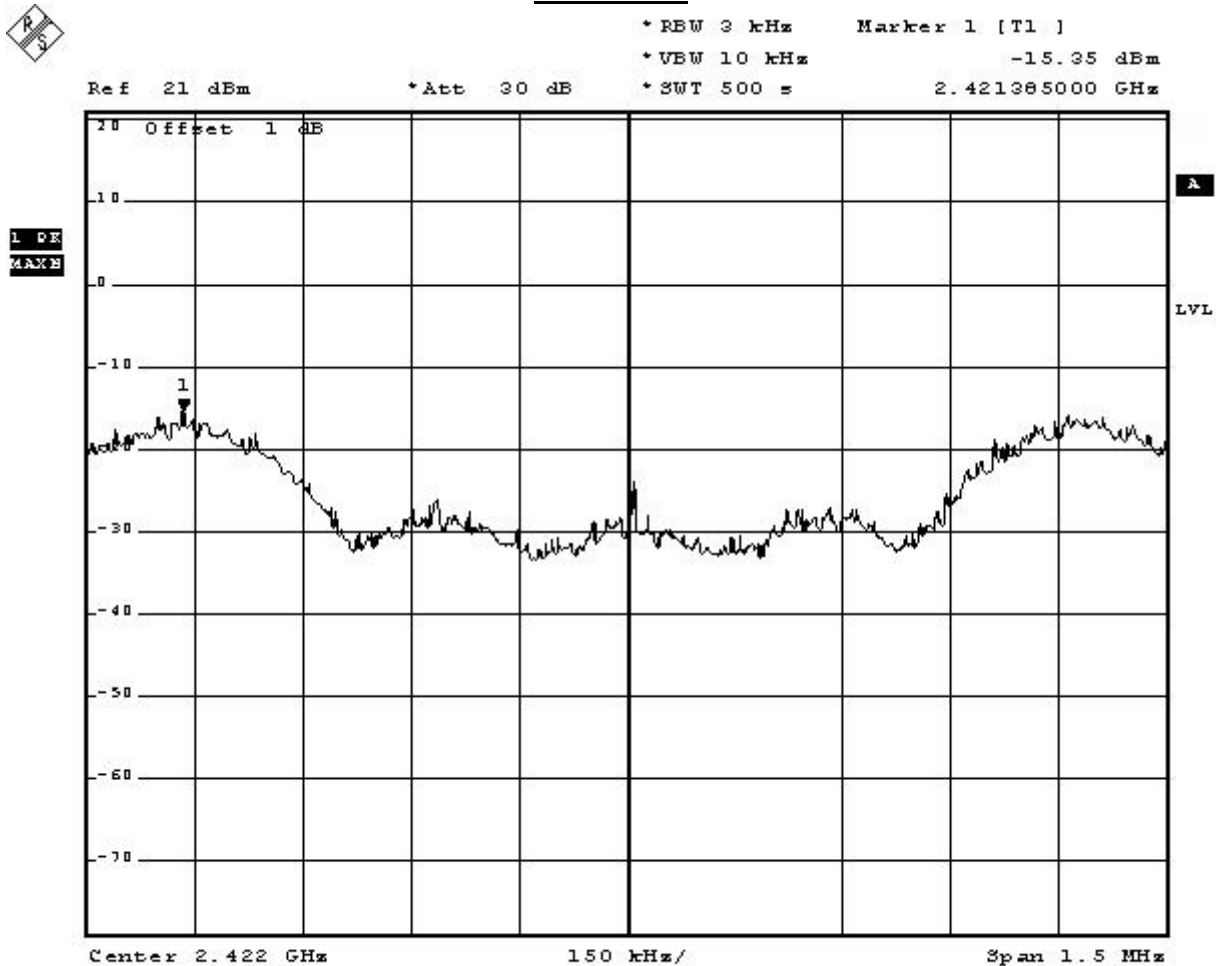
Date: 7.FEB.2014 17:38:41



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2014/02/07	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.35	≤ 8	Pass
6	2437	-18.96	≤ 8	Pass
9	2452	-16.04	≤ 8	Pass

### Channel 3



Date: 7.FEB.2014 17:48:05

Channel 6

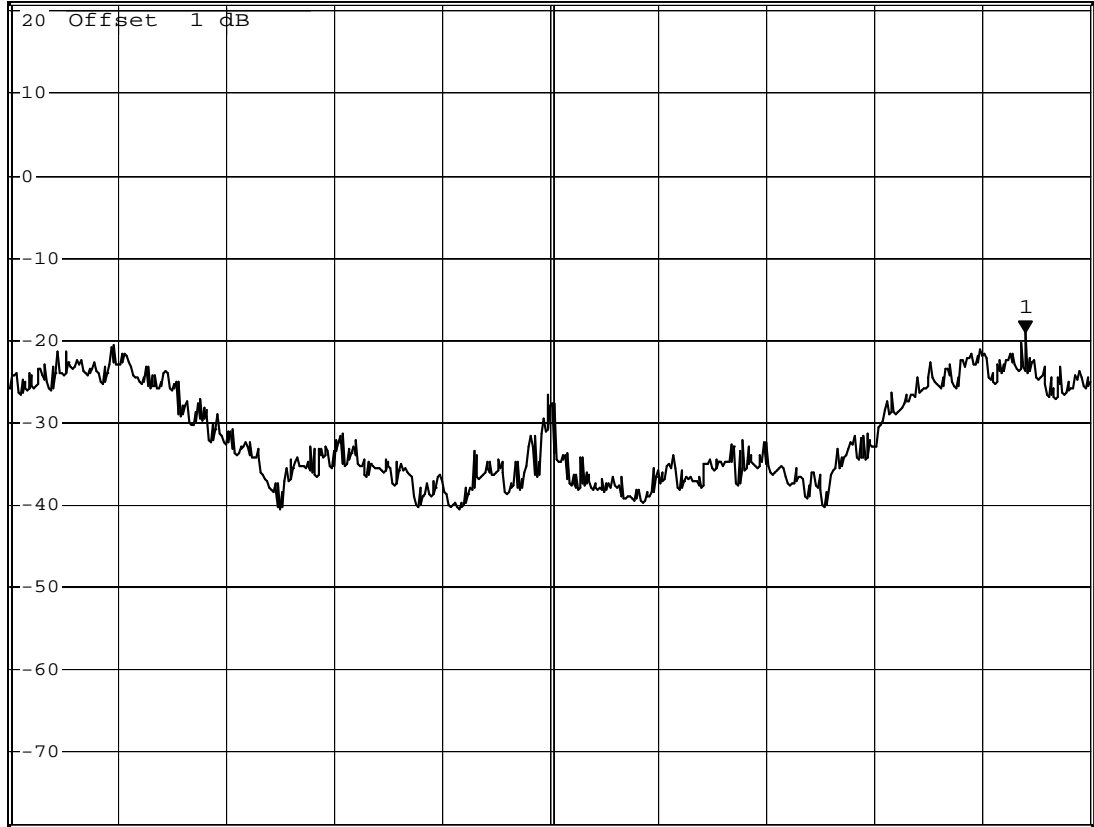


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -18.96 dBm  
\*SWT 500 s      2.437660000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 2.437 GHz

150 kHz/

Span 1.5 MHz

Date: 11.NOV.2011 17:07:47

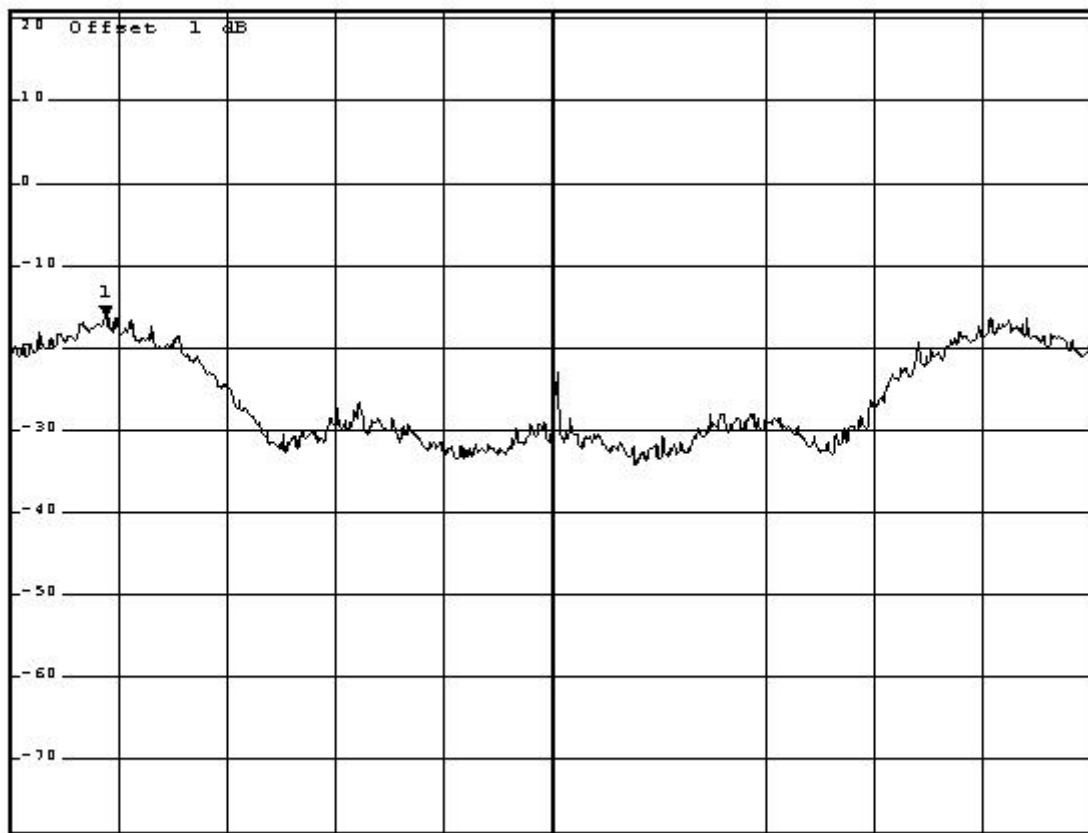
Channel 9



SWEEP TIME  
500 μs  
Ref 21 dBm \*Att 30 dB

\*RBW 3 kHz Marker 1 [T1]  
\*VBW 10 kHz -16.04 dBm  
\*SWT 500 μs 2.451382000 GHz

L DE  
MAXH



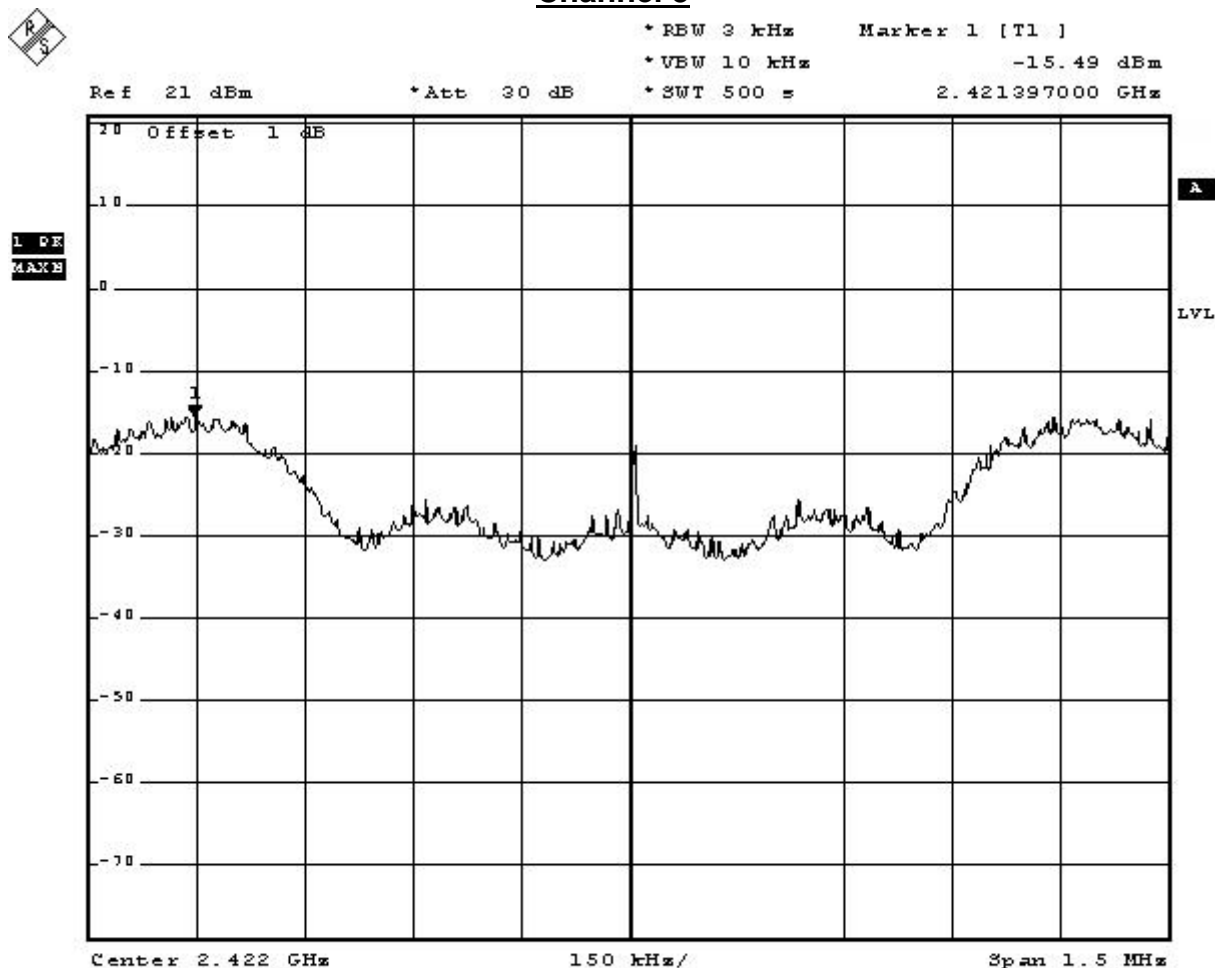
Center 2.452 GHz 150 kHz/ Span 1.5 MHz

Date: 7.FEB.2014 17:43:25

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2014/02/07	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.49	≤ 8	Pass
6	2437	-21.88	≤ 8	Pass
9	2452	-15.45	≤ 8	Pass

### Channel 3



Date: 7.FEB.2014 17:54:35

**Channel 6**

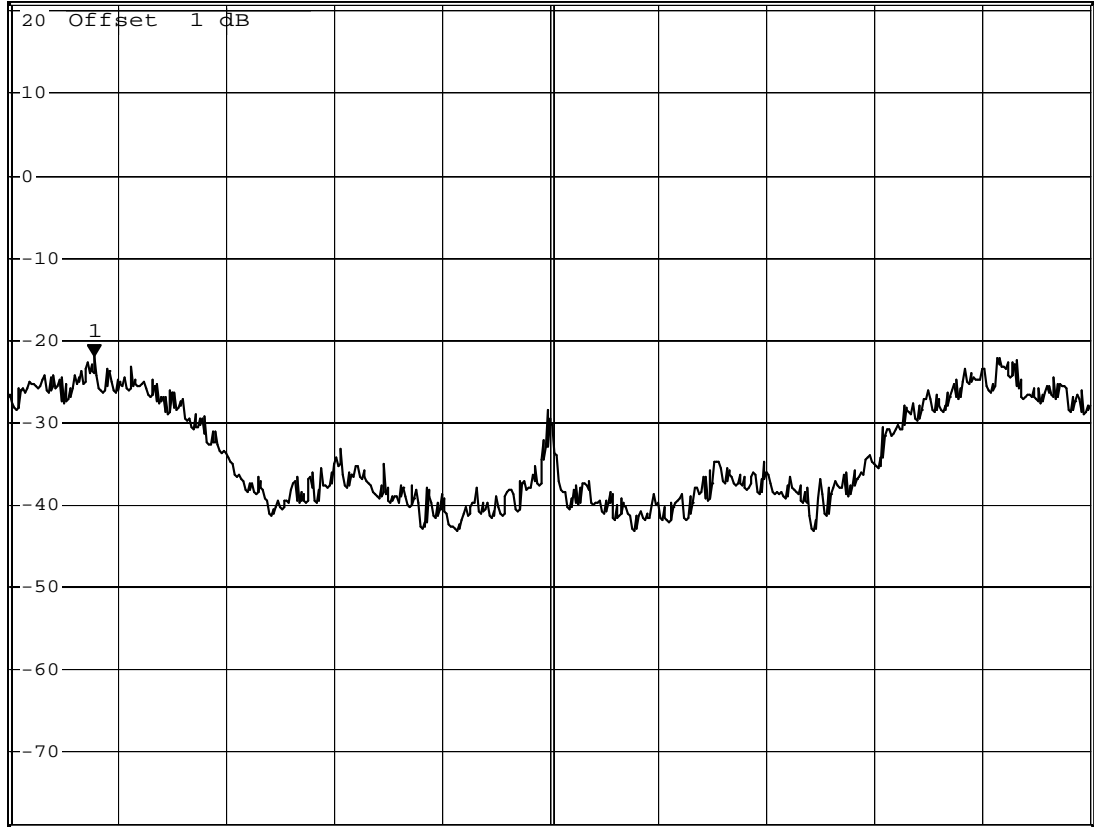


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -21.88 dBm  
\*SWT 500 s      2.436367000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Date: 11.NOV.2011 17:08:25

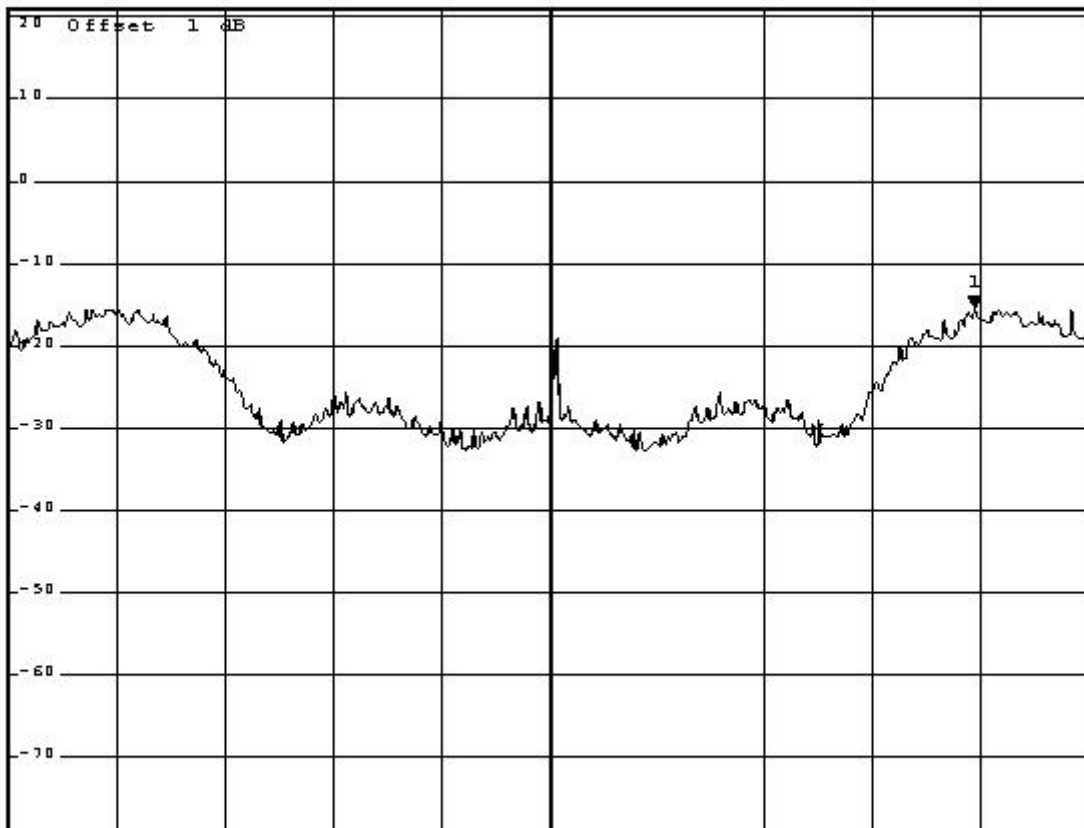
### Channel 9



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -15.45 dBm  
\*SWT 500 s      2.452591000 GHz

Ref 21 dBm      \*Att 30 dB

L DE  
MAXH



Center 2.452 GHz      150 kHz/      Span 1.5 MHz

Date: 7.FEB.2014 18:09:41

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2014/02/07	Test Site	SR7

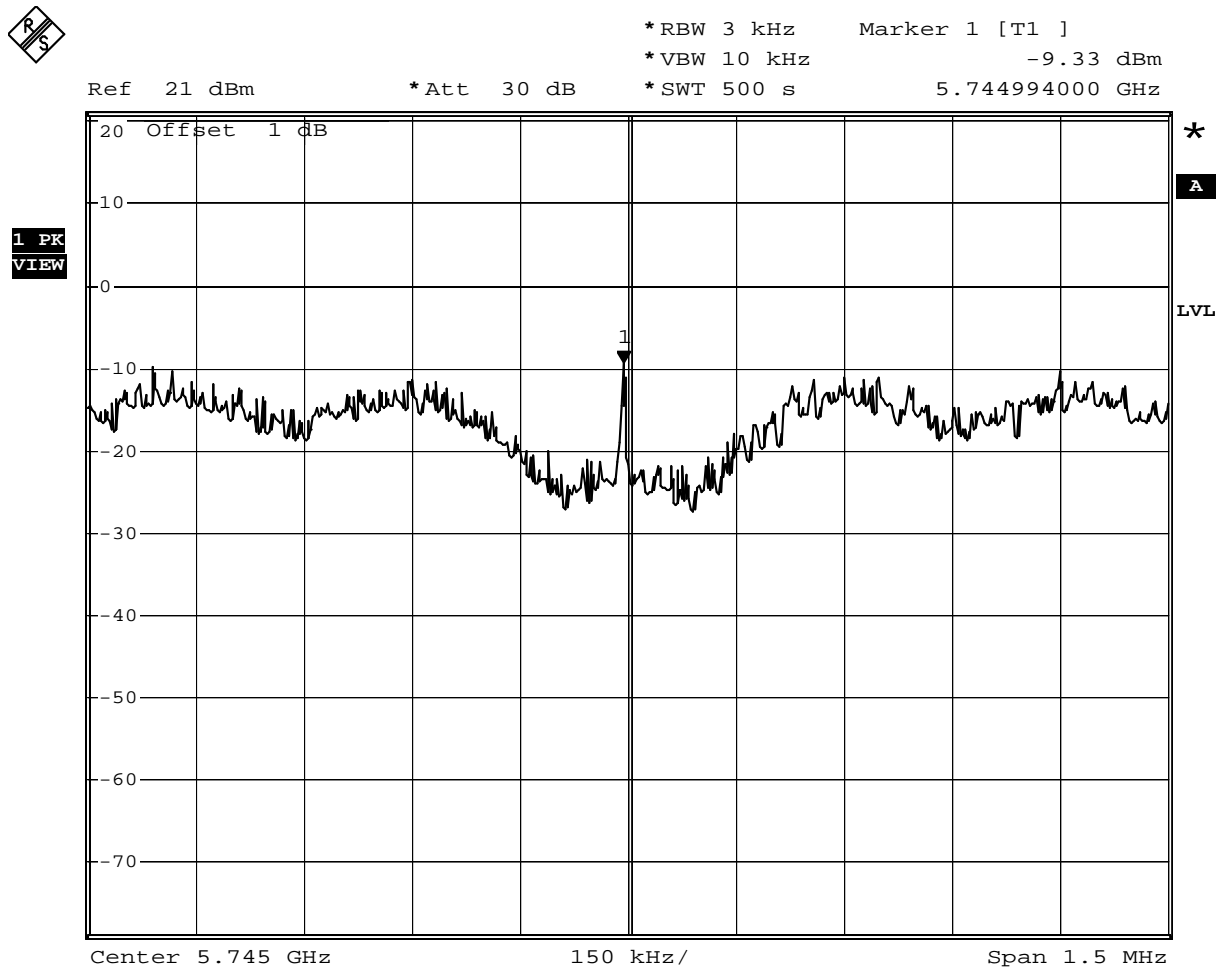
IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-10.83	$\leq 8$	Pass
6	2437	-15.84	$\leq 8$	Pass
9	2452	-10.98	$\leq 8$	Pass

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11a				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-9.33	≤ 8	Pass
157	5785	-10.85	≤ 8	Pass
165	5825	-11.41	≤ 8	Pass

### Channel 149



Date: 12.NOV.2011 11:08:57



Channel 157

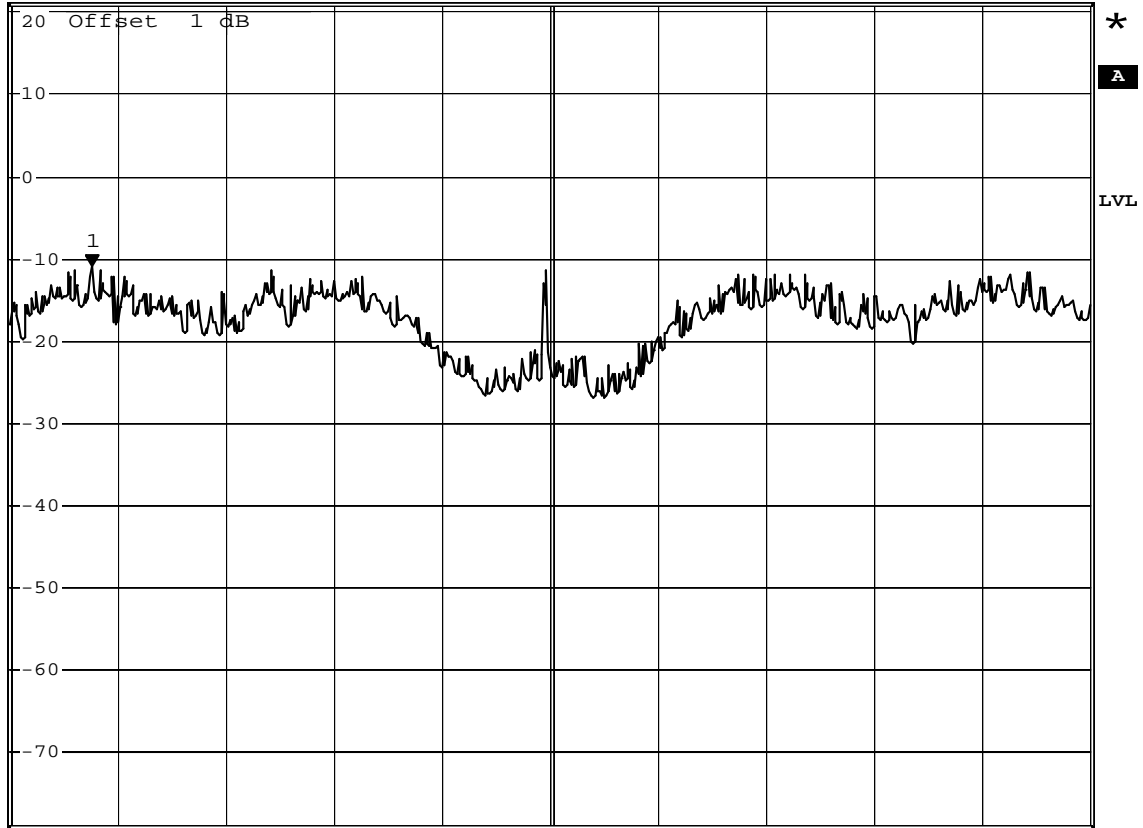


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -10.85 dBm  
\*SWT 500 s      5.784364000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.785 GHz

150 kHz/

Span 1.5 MHz

Date: 12.NOV.2011 11:10:06

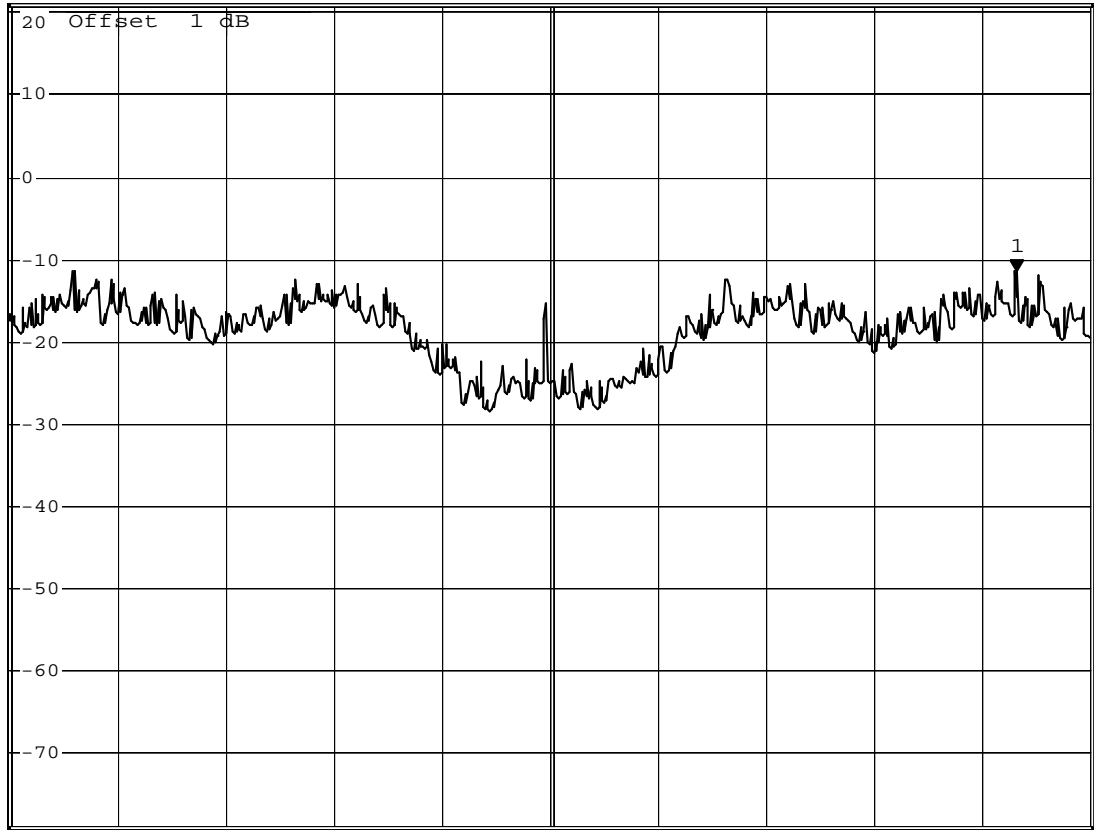
**Channel 165**



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -11.41 dBm  
\*SWT 500 s      5.825648000 GHz

Ref 21 dBm

\*Att 30 dB



Center 5.825 GHz

150 kHz/

Span 1.5 MHz

Date: 12.NOV.2011 11:10:44

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-12.03	≤ 8	Pass
157	5785	-12.78	≤ 8	Pass
165	5825	-12.57	≤ 8	Pass

### Channel 149

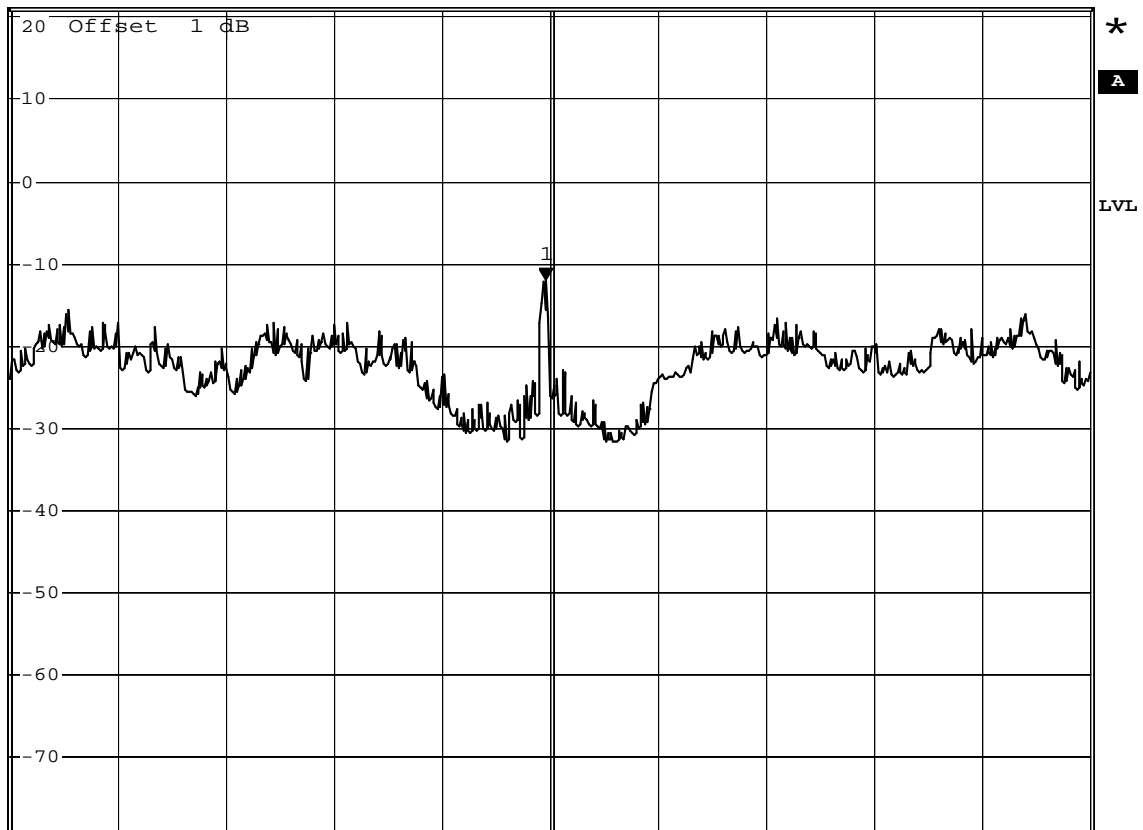


\*RBW 3 kHz      Marker 1 [T1 ]  
 \*VBW 10 kHz      -12.03 dBm  
 \*SWT 500 s      5.744994000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.745 GHz

150 kHz/

Span 1.5 MHz

Date: 12.NOV.2011 11:15:06

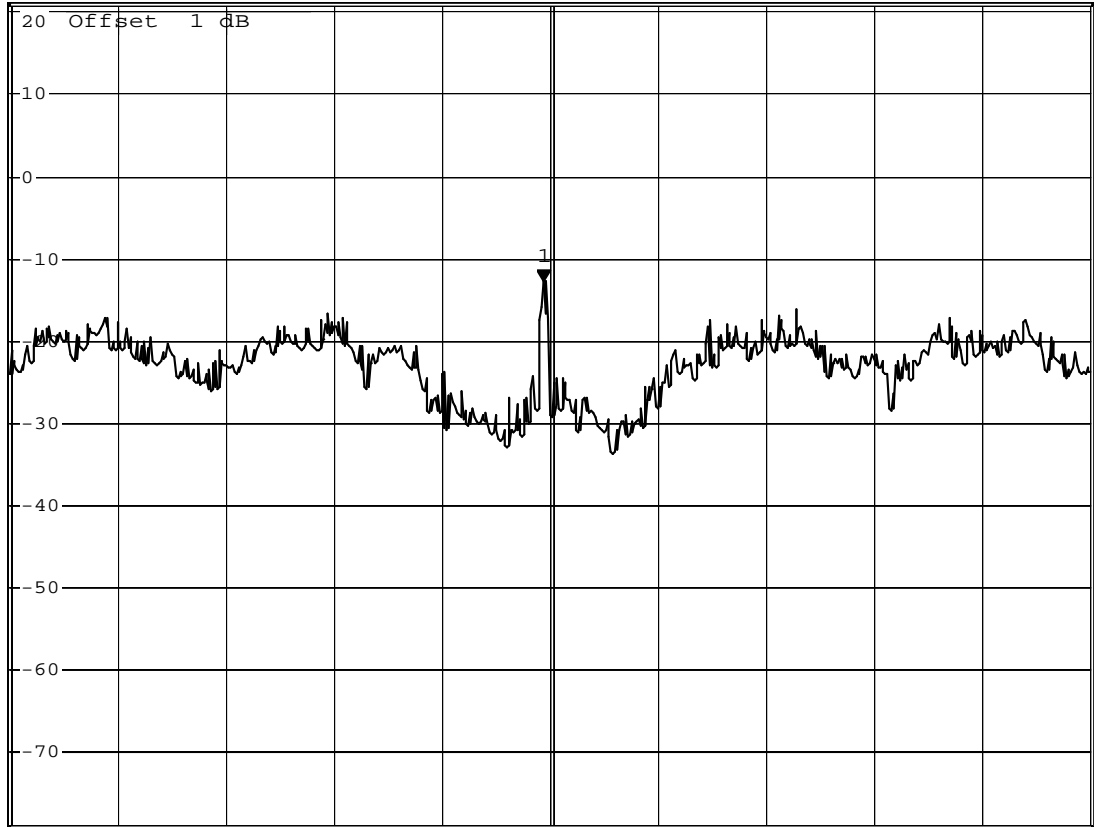
Channel 157



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -12.78 dBm  
\*SWT 500 s      5.784991000 GHz

Ref 21 dBm

\*Att 30 dB



Date: 12.NOV.2011 11:14:17

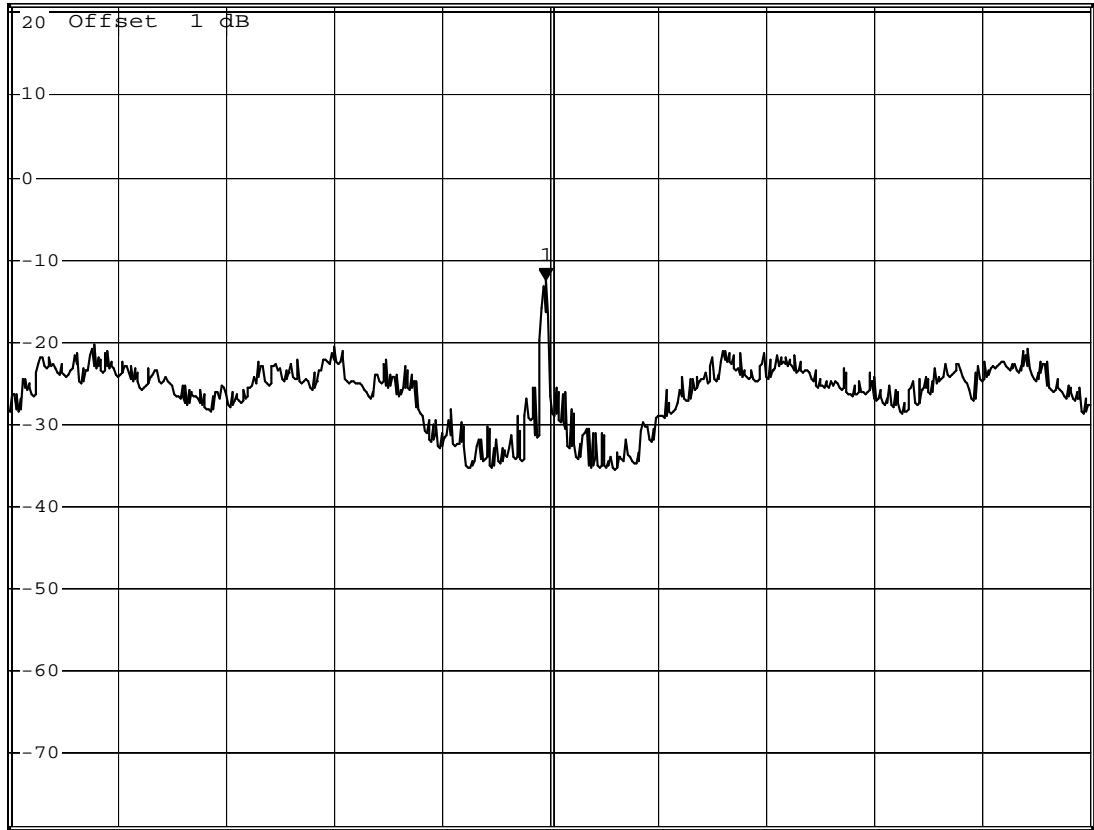
**Channel 165**



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -12.57 dBm  
\*SWT 500 s      5.824994000 GHz

Ref 21 dBm

\*Att 30 dB



Center 5.825 GHz

150 kHz/

Span 1.5 MHz

Date: 12.NOV.2011 11:11:30

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-15.10	≤ 8	Pass
157	5785	-17.44	≤ 8	Pass
165	5825	-20.40	≤ 8	Pass

### Channel 149

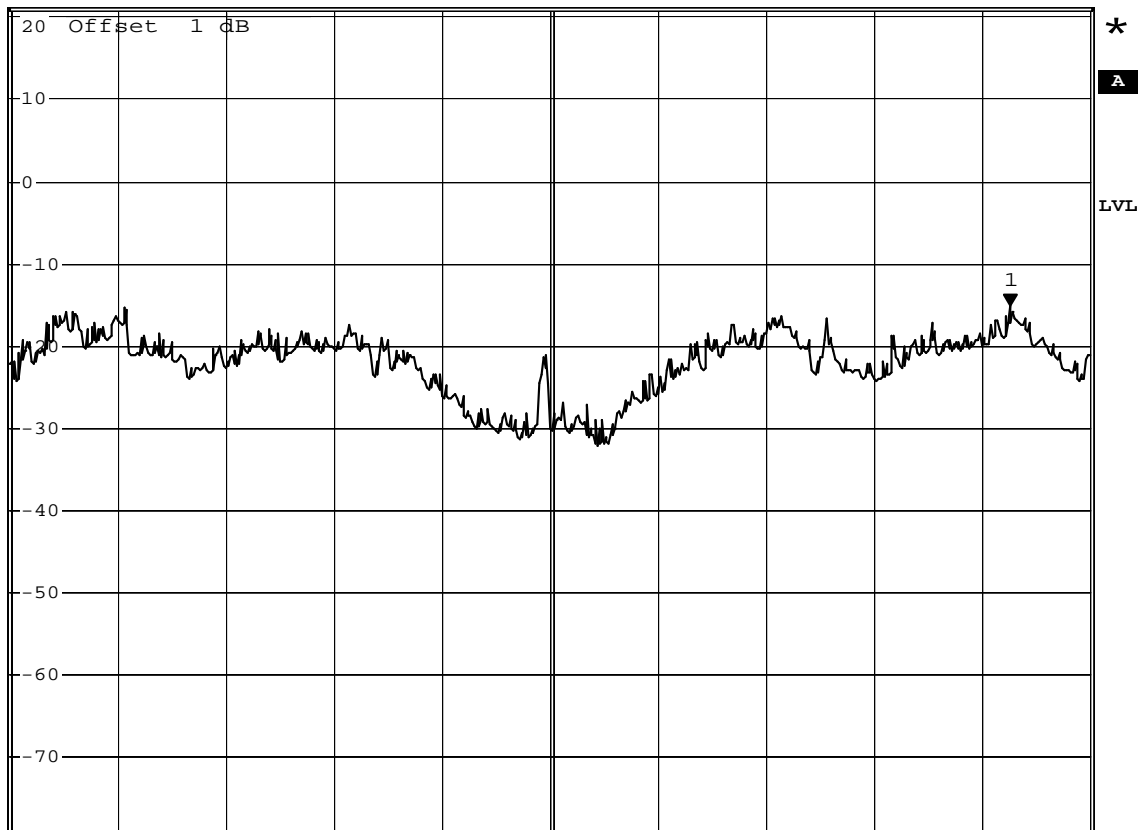


\*RBW 3 kHz      Marker 1 [T1 ]  
 \*VBW 10 kHz      -15.10 dBm  
 \*SWT 500 s      5.745639000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.745 GHz

150 kHz/

Span 1.5 MHz

Date: 12.NOV.2011 11:16:27

**Channel 157**

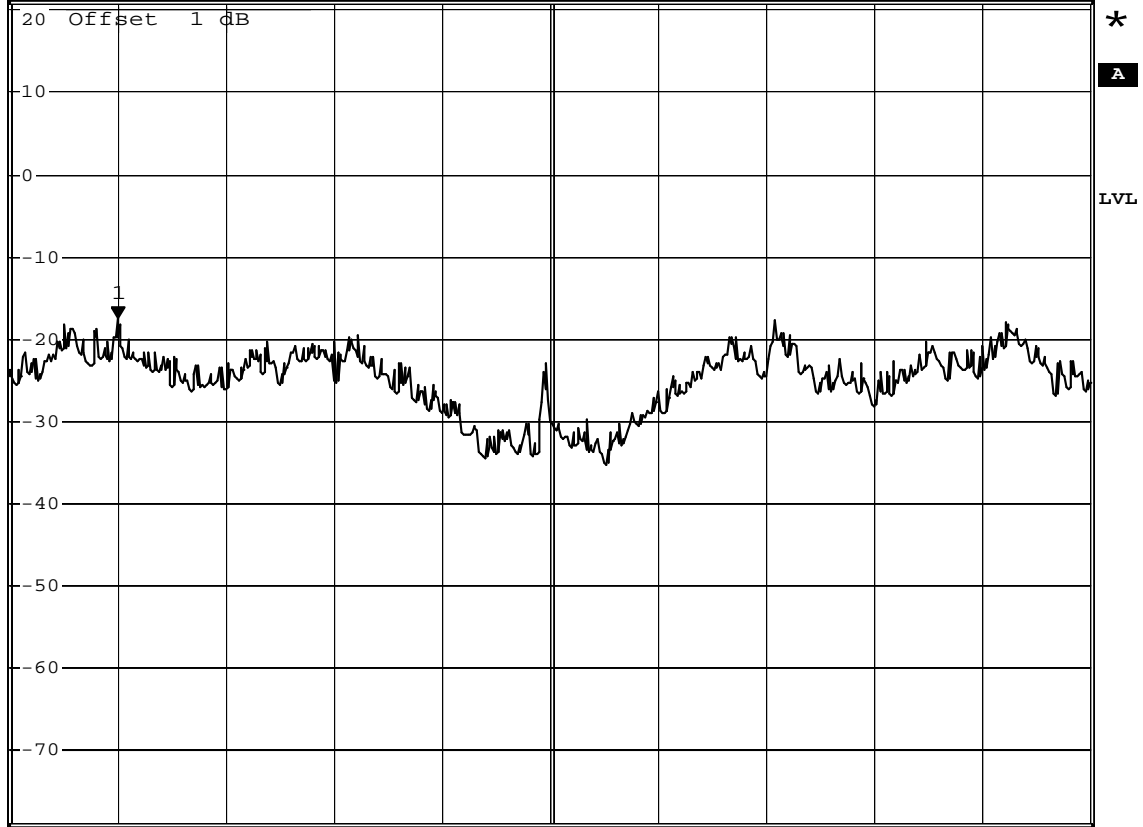


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -17.44 dBm  
\*SWT 500 s      5.784400000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.785 GHz

150 kHz/

Span 1.5 MHz

Date: 12.NOV.2011 11:13:22

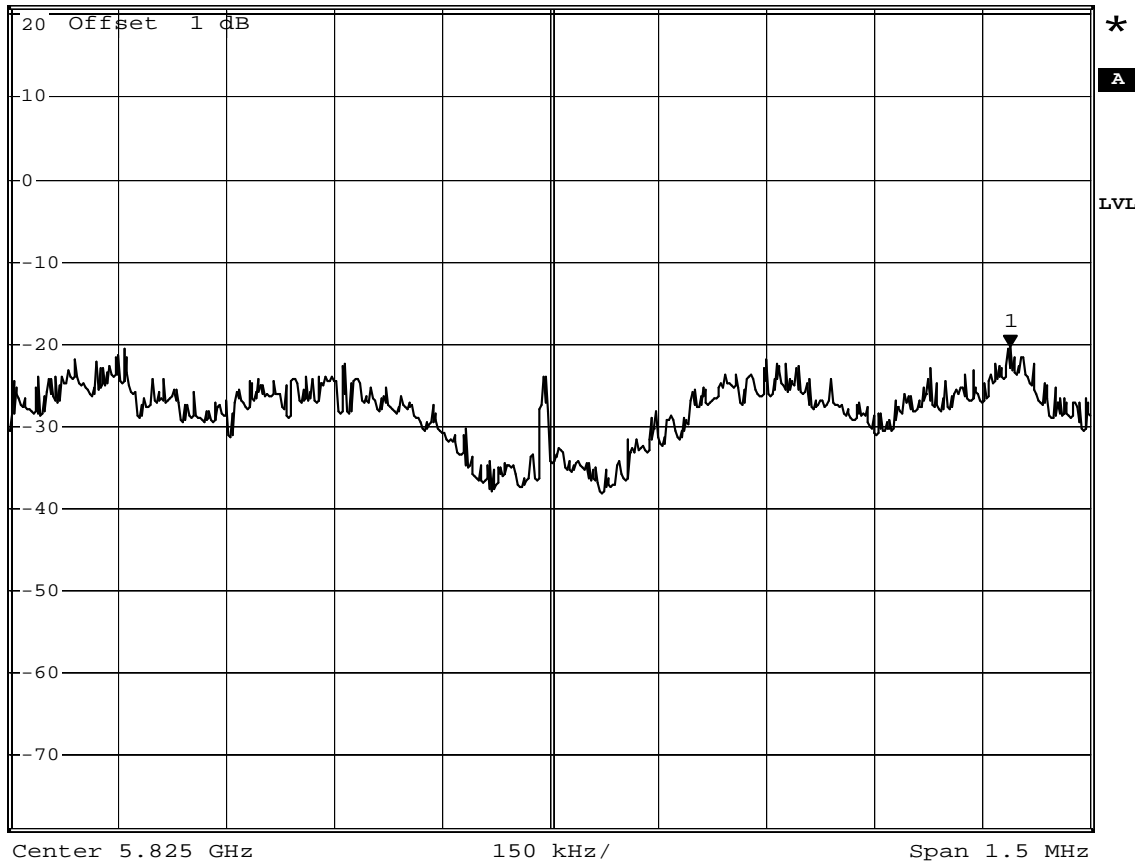
**Channel 165**



\*RBW 3 kHz      Marker 1 [T1 ]  
 \*VBW 10 kHz      -20.40 dBm  
 \*SWT 500 s      5.825639000 GHz

Ref 21 dBm      \*Att 30 dB

1 PK  
VIEW



Date: 12.NOV.2011 11:12:34



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-13.04	≤ 8	Pass
157	5785	-16.54	≤ 8	Pass
165	5825	-16.78	≤ 8	Pass

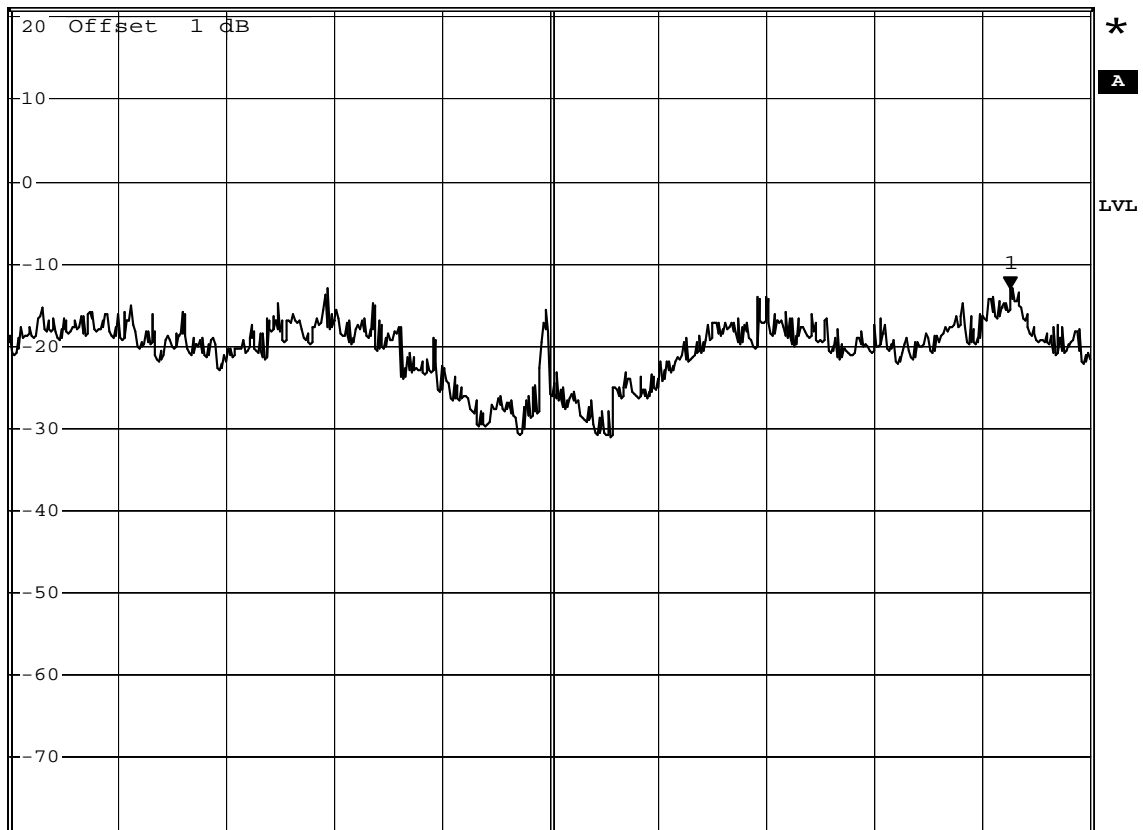
### Channel 149



\*RBW 3 kHz      Marker 1 [T1 ]  
 \*VBW 10 kHz      -13.04 dBm  
 \*SWT 500 s      5.745639000 GHz

Ref 21 dBm

\*Att 30 dB



Center 5.745 GHz

150 kHz/

Span 1.5 MHz

Date: 12.NOV.2011 11:15:56

Channel 157

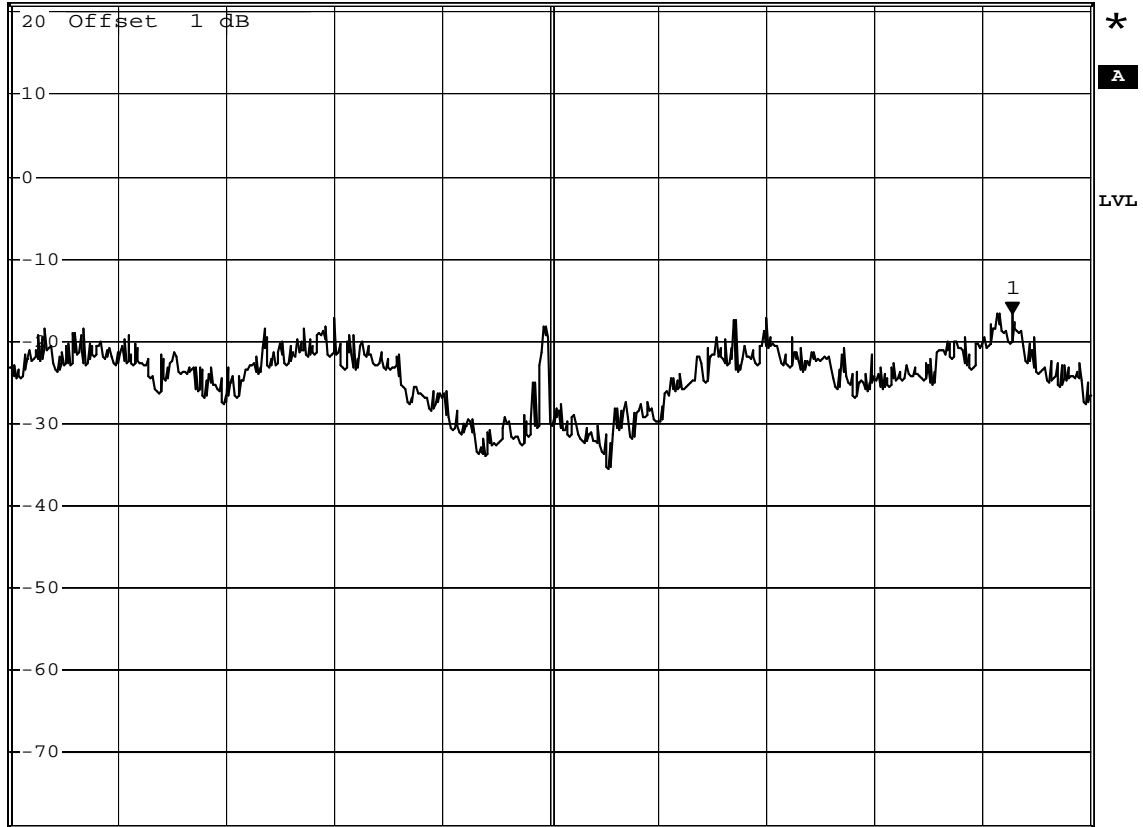


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -16.54 dBm  
\*SWT 500 s      5.785642000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



Center 5.785 GHz

150 kHz/

Span 1.5 MHz

Date: 12.NOV.2011 11:13:48

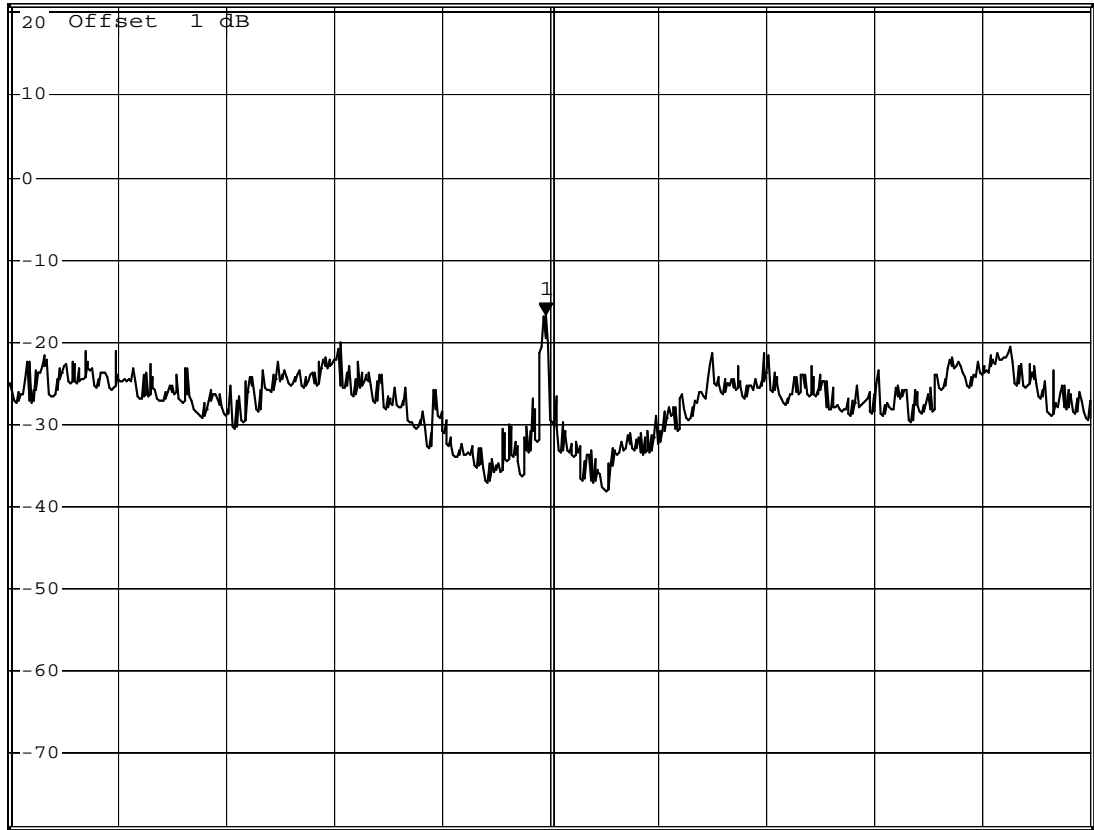
**Channel 165**



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -16.78 dBm  
\*SWT 500 s      5.824994000 GHz

Ref 21 dBm

\*Att 30 dB



Center 5.825 GHz

150 kHz/

Span 1.5 MHz

Date: 12.NOV.2011 11:12:07

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE802.11n 20MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-8.44	$\leq 8$	Pass
157	5785	-10.32	$\leq 8$	Pass
165	5825	-10.68	$\leq 8$	Pass

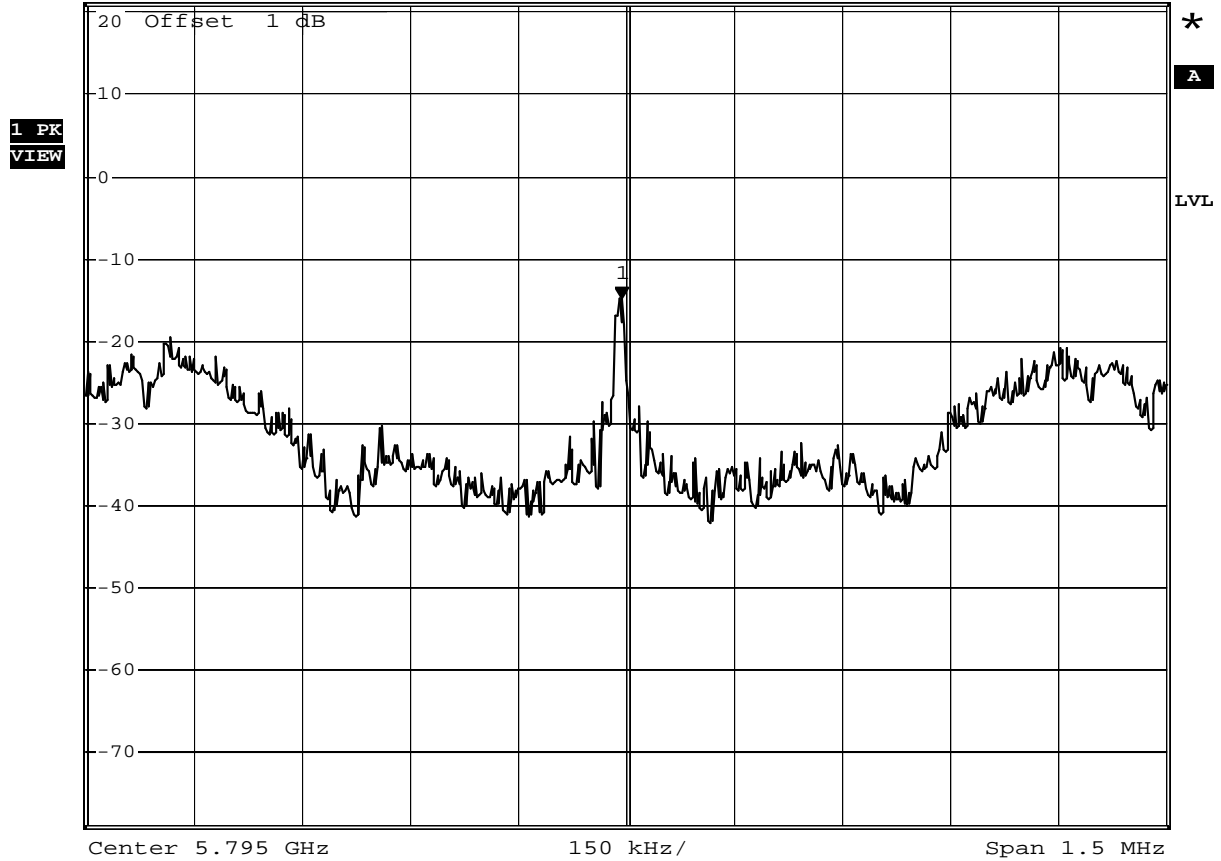


**Channel 159**



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -14.87 dBm  
\*SWT 500 s      5.794994000 GHz

Ref 21 dBm      \*Att 30 dB



Date: 12.NOV.2011 11:20:10

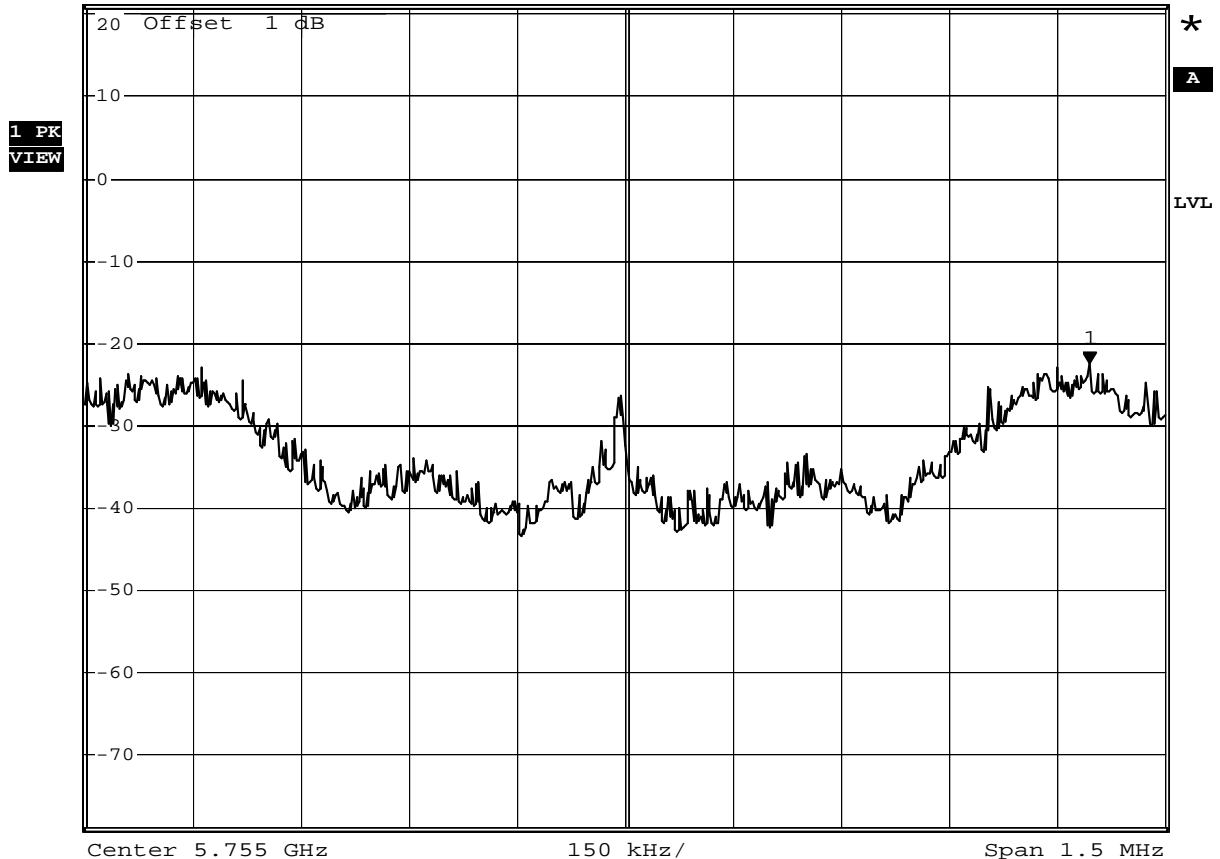
Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-22.49	≤ 8	Pass
159	5795	-20.99	≤ 8	Pass

### Channel 151



\*RBW 3 kHz      Marker 1 [T1 ]  
 \*VBW 10 kHz      -22.49 dBm  
 \*Att 30 dB      \*SWT 500 s      5.755645000 GHz  
 Ref 21 dBm      Offset 1 dB



Date: 12.NOV.2011 11:17:45

**Channel 159**

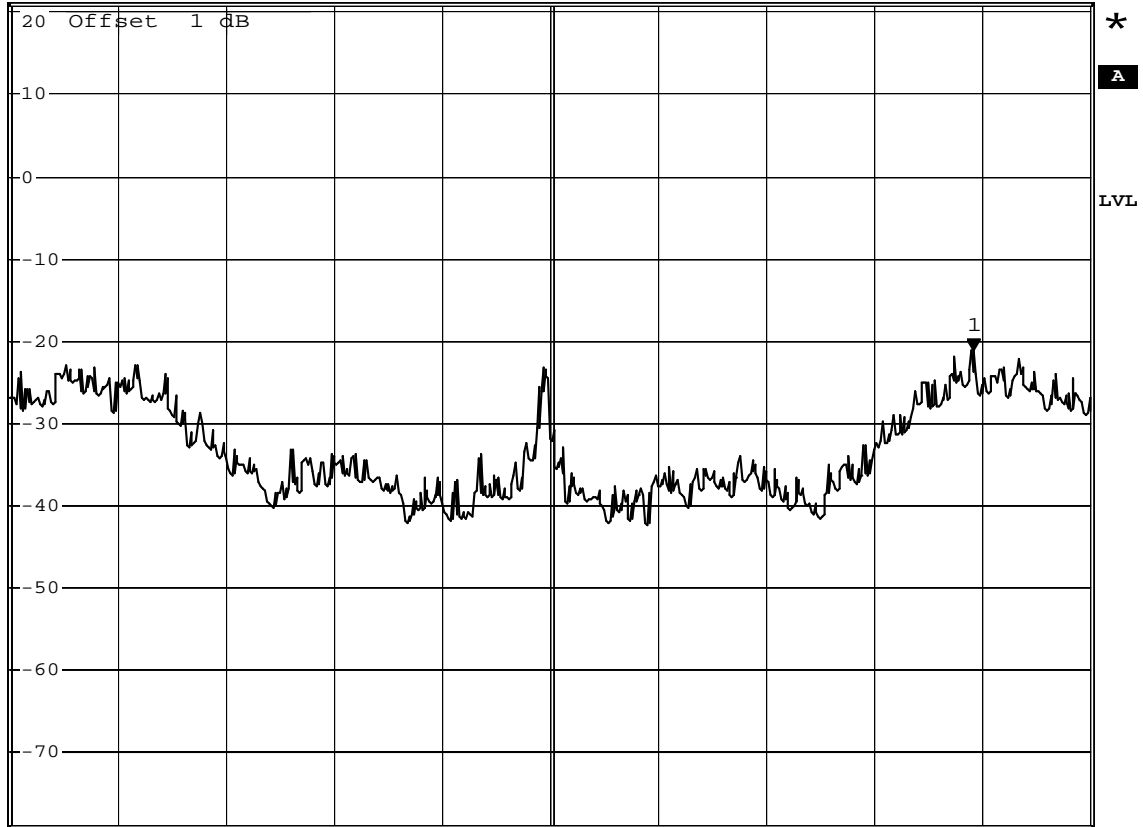


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -20.99 dBm  
\*SWT 500 s      5.795588000 GHz

Ref 21 dBm

\*Att 30 dB

1 PK  
VIEW



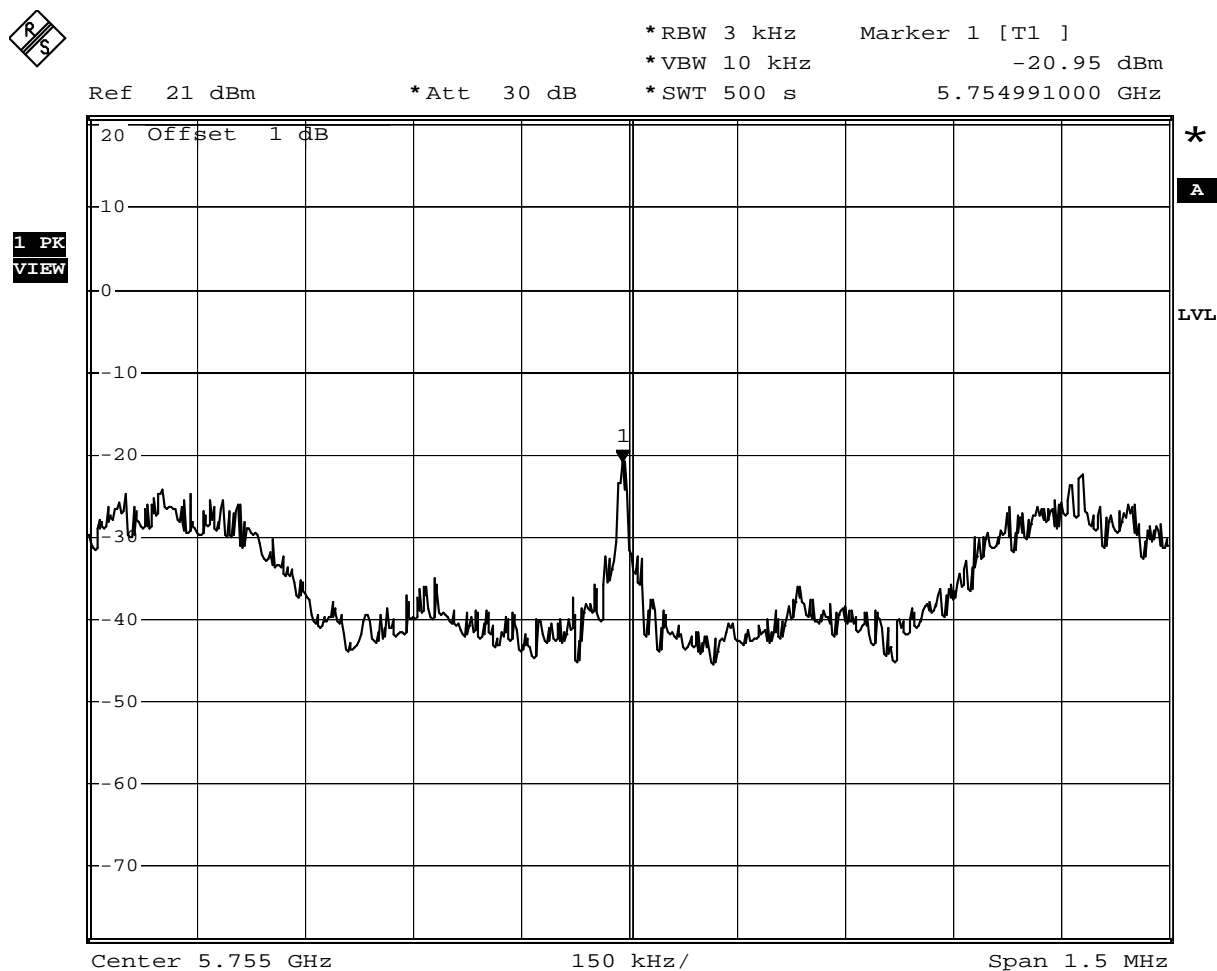
Date: 12.NOV.2011 11:21:07



Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-20.95	≤ 8	Pass
159	5795	-20.38	≤ 8	Pass

### Channel 151



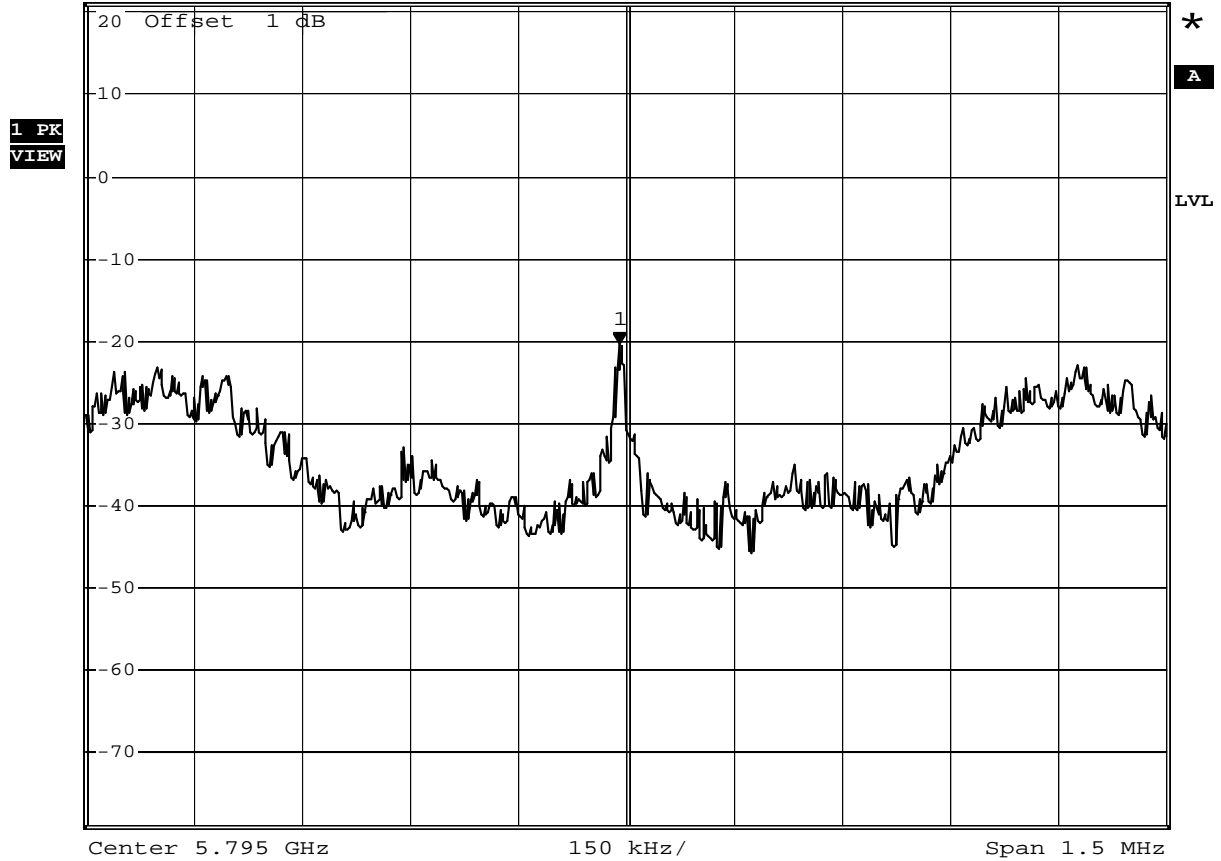
Date: 12.NOV.2011 11:18:41

**Channel 159**



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 10 kHz      -20.38 dBm  
\*SWT 500 s      5.794991000 GHz

Ref 21 dBm      \*Att 30 dB



Date: 12.NOV.2011 11:20:40

Product	Dark Knight Double 450Mbps Dual N Band Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_ASUS, EXA1004UH		
Date of Test	2011/11/12	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-12.61	$\leq 8$	Pass
159	5795	-13.04	$\leq 8$	Pass