FCC Test Report

Product Name	：	BK-T1
Trade Name	：	BIKECOMM
Model No.	：	BK-T1
FCC ID.	：	WTU28658913-A2

Applicant	：	Open Road Solutions, Inc.
Address	：	No.88-13, Shuili Rd, Hsinchu City 30059, Taiwan

Date of Receipt	：	Jul. 19, 2017
Issued Date	：	May. 11, 2018
Report No.	：	1770271R-RFUSP01V00
Report Version	：	V1.0

Testing Laboratory
3024

Test Report Certification

Issued Date : May. 11, 2018
Report No. : 1770271R-RFUSP01V00

Product Name	:	BK-T1
Applicant	:	Open Road Solutions, Inc.
Address	:	No.88-13, Shuili Rd, Hsinchu City 30059, Taiwan
Manufacturer	:	Open Road Solutions, Inc.
Model No.	:	BK-T1
FCC ID.	:	WTU28658913-A2
EUT Voltage	:	DC 3.7V (Power by Battery)
Testing Voltage	:	DC 5V (Power by PC)
Trade Name	:	BIKECOMM
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2016
Laboratory Name	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C. TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied

Documented By :

(Demi Chang / Senior Engineering Adm. Specialist)

Tested By :

(Elwin Lin / Assistant Engineer)

Approved By :

(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1770271R-RFUSP01V00	V1.0	Initial issue of report	May. 11, 2018

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	BK-T1
Trade Name	
Model No.	BK-T1
Frequency Range/ Channel Number	2402~2480MHz / 79 Channels
Type of Modulation	GFSK, π/4-DQPSK, 8-DPSK

Antenna Information	
Antenna Type	PCB Antenna
Antenna Gain	3.1dBi

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 00	2402 MHz	Channel 20	2422 MHz	Channel 40	2442 MHz	Channel 60	2462 MHz
Channel 01	2403 MHz	Channel 21	2423 MHz	Channel 41	2443 MHz	Channel 61	2463 MHz
Channel 02	2404 MHz	Channel 22	2424 MHz	Channel 42	2444 MHz	Channel 62	2464 MHz
Channel 03	2405 MHz	Channel 23	2425 MHz	Channel 43	2445 MHz	Channel 63	2465 MHz
Channel 04	2406 MHz	Channel 24	2426 MHz	Channel 44	2446 MHz	Channel 64	2466 MHz
Channel 05	2407 MHz	Channel 25	2427 MHz	Channel 45	2447 MHz	Channel 65	2467 MHz
Channel 06	2408 MHz	Channel 26	2428 MHz	Channel 46	2448 MHz	Channel 66	2468 MHz
Channel 07	2409 MHz	Channel 27	2429 MHz	Channel 47	2449 MHz	Channel 67	2469 MHz
Channel 08	2410 MHz	Channel 28	2430 MHz	Channel 48	2450 MHz	Channel 68	2470 MHz
Channel 09	2411 MHz	Channel 29	2431 MHz	Channel 49	2451 MHz	Channel 69	2471 MHz
Channel 10	2412 MHz	Channel 30	2432 MHz	Channel 50	2452 MHz	Channel 70	2472 MHz
Channel 11	2413 MHz	Channel 31	2433 MHz	Channel 51	2453 MHz	Channel 71	2473 MHz
Channel 12	2414 MHz	Channel 32	2434 MHz	Channel 52	2454 MHz	Channel 72	2474 MHz
Channel 13	2415 MHz	Channel 33	2435 MHz	Channel 53	2455 MHz	Channel 73	2475 MHz
Channel 14	2416 MHz	Channel 34	2436 MHz	Channel 54	2456 MHz	Channel 74	2476 MHz
Channel 15	2417 MHz	Channel 35	2437 MHz	Channel 55	2457 MHz	Channel 75	2477 MHz
Channel 16	2418 MHz	Channel 36	2438 MHz	Channel 56	2458 MHz	Channel 76	2478 MHz
Channel 17	2419 MHz	Channel 37	2439 MHz	Channel 57	2459 MHz	Channel 77	2479 MHz
Channel 18	2420 MHz	Channel 38	2440 MHz	Channel 58	2460 MHz	Channel 78	2480 MHz
Channel 19	2421 MHz	Channel 39	2441 MHz	Channel 59	2461 MHz		

Note:

1. This device is a BK-T1 including BT3.0 transmitting and receiving function.
2. 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.

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Test Mode	
TX	Mode 1: Transmit_DH5 Mode 2: Transmit_2DH5 Mode 3: Transmit_3DH5 Mode 4: Transmit_DH1 Mode 5: Transmit_2DH1 Mode 6: Transmit_3DH1 Mode 7: Transmit_DH3 Mode 8: Transmit_2DH3 Mode 9: Transmit_3DH3

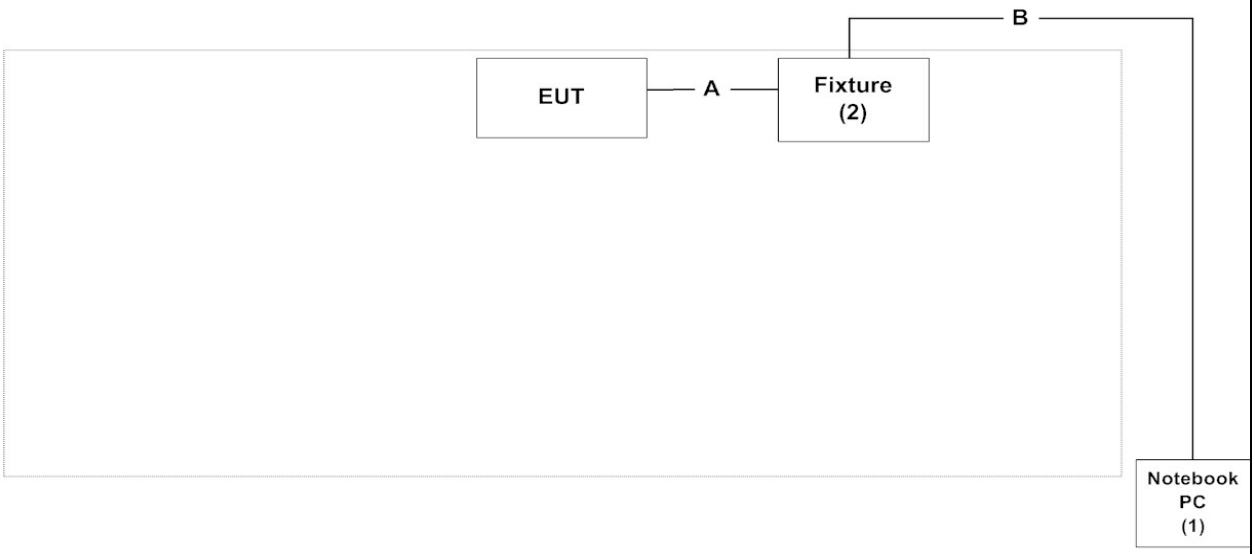
Test Items	Mode 1	Mode 2	Mode 3	Mode 4~Mode 9
Conducted Emission	Yes	No	No	No
Peak Power Output	Yes	Yes	Yes	No
Radiated Emission	Yes	Yes	Yes	No
RF antenna conducted test	Yes	Yes	Yes	No
Band Edge	Yes	Yes	Yes	Yes
Number of hopping Frequency	Yes	No	No	No
Carrier Frequency Separation	Yes	Yes	Yes	No
Occupied Bandwidth	Yes	Yes	Yes	No
Dwell Time	Yes	Yes	Yes	Yes

1.3. Tested System Details

The types for all equipment, 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	Notebook PC	ACER	MS2296	LUSCV0213911 50332C2000	DoC	Non-Shielded, 2.5m one ferrite core bonded
2	Fixture	CSR USB-SPI	N/A	N/A	DoC	--

1.4. Configuration of tested System

Connection Diagram


Signal Cable Type		Signal cable Description
A	Signal Cable	Non-Shielded, 0.5m
B	USB Cable	Non-Shielded, 2m, 2pcs

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the test program “Blue Test”.
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.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual	Test Site
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission (FHSS)	15 - 35	23	3
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (FHSS)	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (FHSS)	15 - 35	25	2
Humidity (%RH)		25 - 75	54	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (FHSS)	15 - 35	25	2
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Number of hopping Frequency (FHSS)	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Carrier Frequency Separation (FHSS)	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (FHSS)	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test (FHSS)	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Dwell Time (FHSS)	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test Site information refers to Laboratory Information.

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site :
http://www.dekra.com.tw/english/about/certificates.aspx?bval=5
The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : http://www.dekra.com.tw/index_en.aspx

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

1 No. 75-2, 3rd Lin, WangYe Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan (R.O.C.)
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : info.tw@dekra.com

2 No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C.
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : info.tw@dekra.com

3 No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C.
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : info.tw@dekra.com

2. Conducted Emission

2.1. Test Equipment

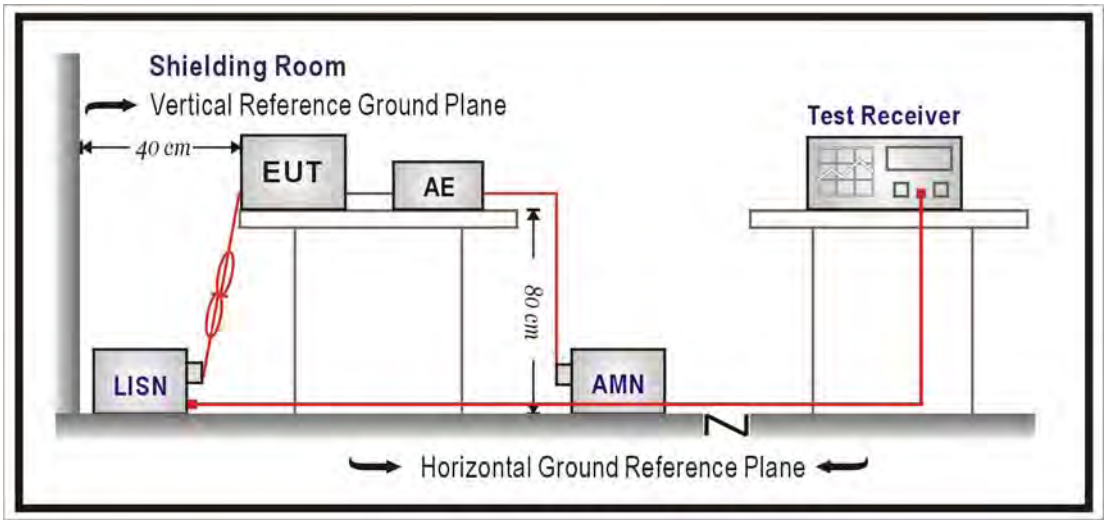
The following test equipment are used during the test:

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2017/02/06	2018/02/05
Test Receiver	R&S	ESCS 30	836858/022	2017/04/12	2018/04/11
LISN	R&S	ENV216	100092	2017/07/31	2018/07/30

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

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
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 and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2009 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

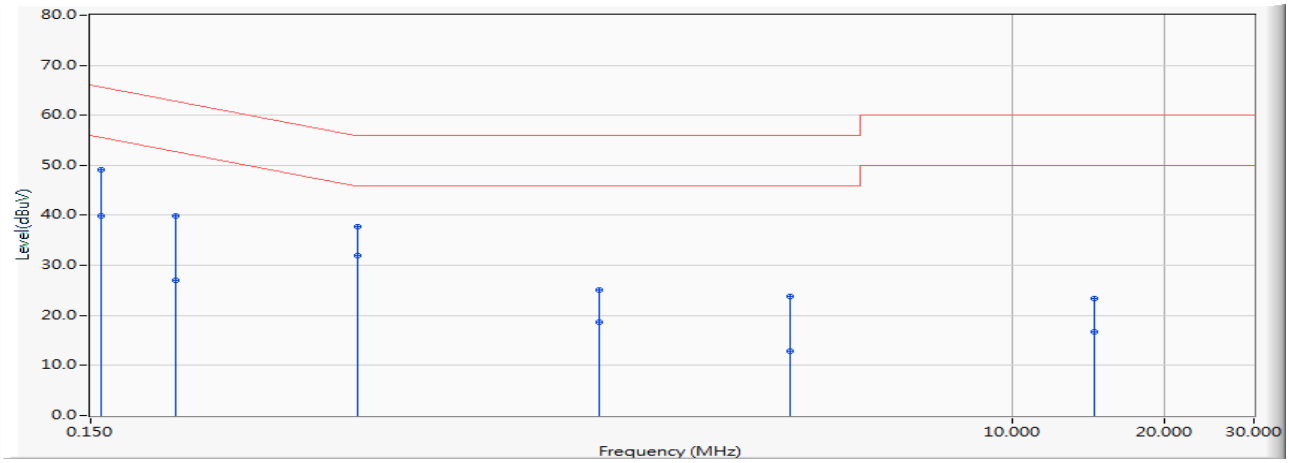
According to FCC Part 15 Subpart C Paragraph 15.207: 2016

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : DEKRA Taiwan SR2-H	**Time : 2017/09/15**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line1	**Power : AC 120V/60Hz**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**

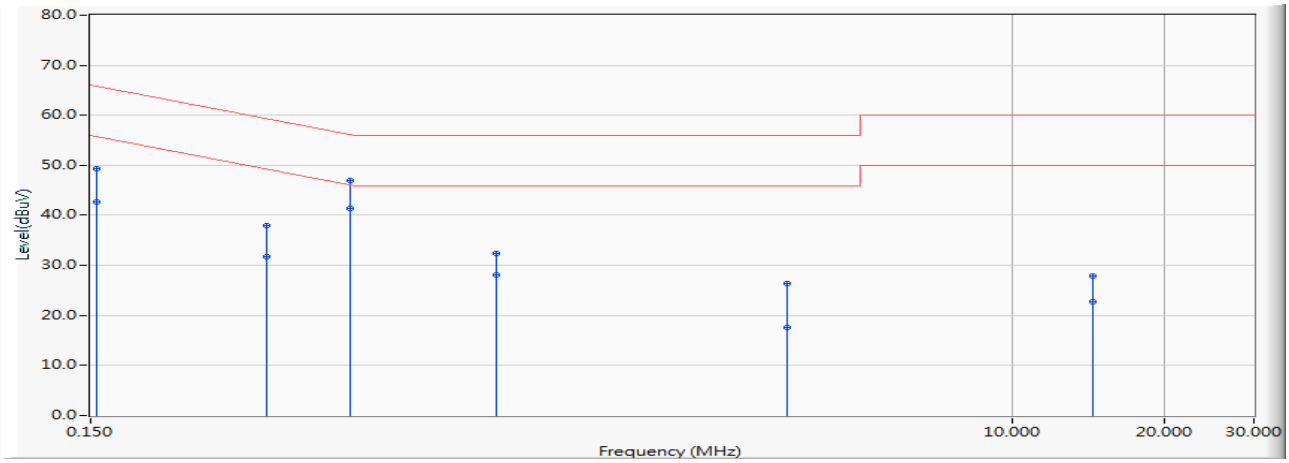


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.751	39.320	49.071	-16.507	65.578	QUASIPEAK
2		0.158	9.751	30.120	39.871	-15.707	55.578	AVERAGE
3		0.220	9.748	30.220	39.968	-22.839	62.807	QUASIPEAK
4		0.220	9.748	17.270	27.018	-25.789	52.807	AVERAGE
5		0.505	9.730	28.080	37.810	-18.190	56.000	QUASIPEAK
6	*	0.505	9.730	22.140	31.870	-14.130	46.000	AVERAGE
7		1.517	9.841	15.160	25.001	-30.999	56.000	QUASIPEAK
8		1.517	9.841	8.900	18.741	-27.259	46.000	AVERAGE
9		3.627	9.909	13.900	23.809	-32.191	56.000	QUASIPEAK
10		3.627	9.909	2.960	12.869	-33.131	46.000	AVERAGE
11		14.494	10.211	13.110	23.321	-36.679	60.000	QUASIPEAK
12		14.494	10.211	6.440	16.651	-33.349	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 : DEKRA Taiwan SR2-H	**Time : 2017/09/15**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line2	**Power : AC 120V/60Hz**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.154	9.747	39.560	49.306	-16.480	65.786	QUASIPEAK
2		0.154	9.747	33.030	42.776	-13.010	55.786	AVERAGE
3		0.334	9.750	28.180	37.930	-21.431	59.361	QUASIPEAK
4		0.334	9.750	21.950	31.700	-17.661	49.361	AVERAGE
5		0.490	9.745	37.130	46.876	-9.295	56.170	QUASIPEAK
6	*	0.490	9.745	31.580	41.326	-4.845	46.170	AVERAGE
7		0.951	9.812	22.540	32.352	-23.648	56.000	QUASIPEAK
8		0.951	9.812	18.350	28.162	-17.838	46.000	AVERAGE
9		3.568	9.842	16.450	26.292	-29.708	56.000	QUASIPEAK
10		3.568	9.842	7.850	17.692	-28.308	46.000	AVERAGE
11		14.416	10.291	17.520	27.811	-32.189	60.000	QUASIPEAK
12		14.416	10.291	12.400	22.691	-27.309	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

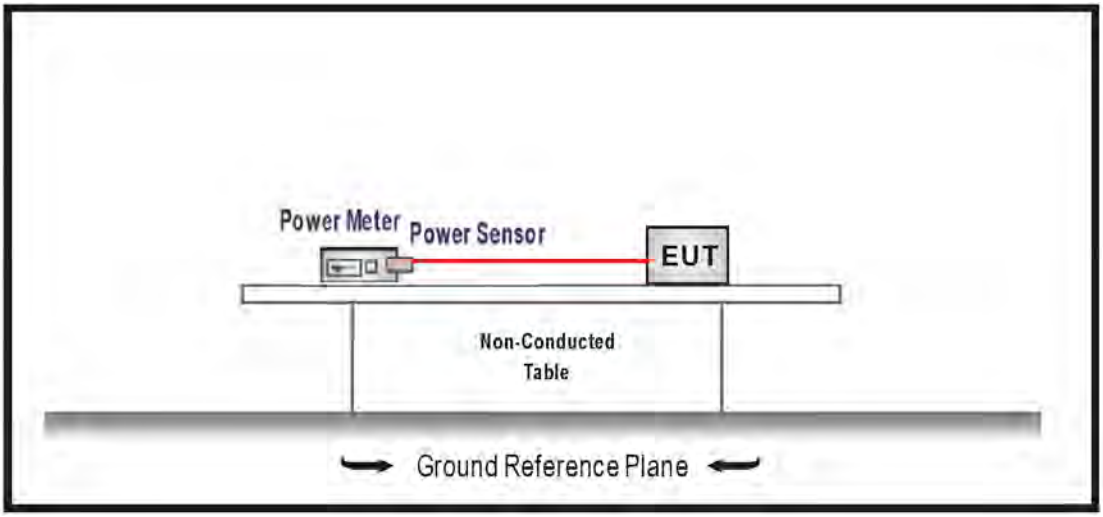
The following test equipment is used during the test:

Peak Power Output / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2017/01/20	2018/01/19
Pulse Power Sensor	Anritsu	MA2411B	1531043	2017/01/20	2018/01/19
Pulse Power Sensor	Anritsu	MA2411B	1531044	2017/01/20	2018/01/19

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

3.2. Test Setup



3.3. Test procedures

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

3.4. Limits

For frequency hopping systems operating in the 902-928 MHz band: 1 Watt for systems employing at least 50 hopping channels; and, 0.25 Watts for systems employing less than 50 hopping channels.

For frequency hopping systems in the 2400-2483.5 MHz band employing at least 75 hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1Watt.

For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2016.

3.6. Test Result

Product	BK-T1		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit_DH5 Mode 2: Transmit_2DH5 Mode 3: Transmit_3DH5		
Date of Test	2017/09/13	Test Site	SR10-H

GFSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	15.100	20.96	Pass
39	2441	15.050	20.96	Pass
78	2480	15.250	20.96	Pass

π/4-DQPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	15.000	20.96	Pass
39	2441	15.010	20.96	Pass
78	2480	15.200	20.96	Pass

8-DPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
00	2402	15.230	20.96	Pass
39	2441	15.150	20.96	Pass
78	2480	15.100	20.96	Pass

4. Radiated Emission

4.1. Test Equipment

The following test equipment are used during the test:

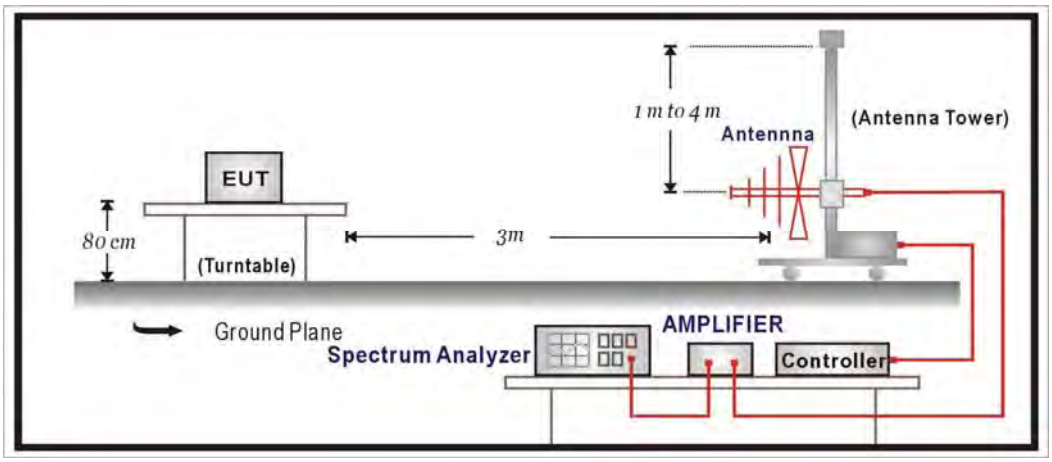
Radiated Emission / CB4-H, CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2016/11/28	2017/11/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	202	2017/02/15	2018/02/14
Pre-Amplifier	RF Bay Inc.	LNA-1330	12162511	2017/03/09	2018/03/08
Pre-Amplifier	EMCI	EMCI 1830I	980366	2017/01/23	2018/01/22
Pre-Amplifier	MITEQ	JS44-45-8P	2014754	2016/12/26	2017/12/25

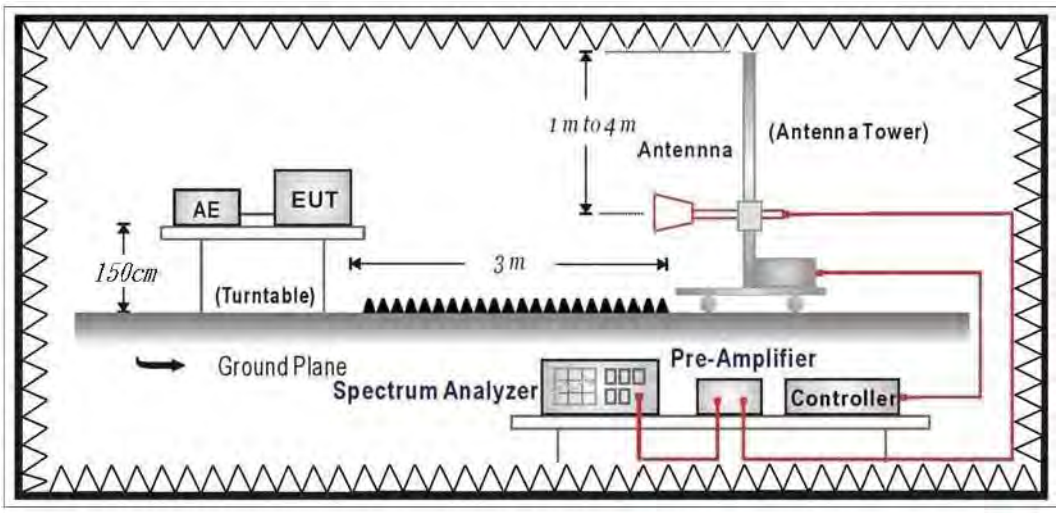
Note: All equipment that need to calibrate are with calibration period of 1 year.

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.

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

Remarks : 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 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 C63.10:2013 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.

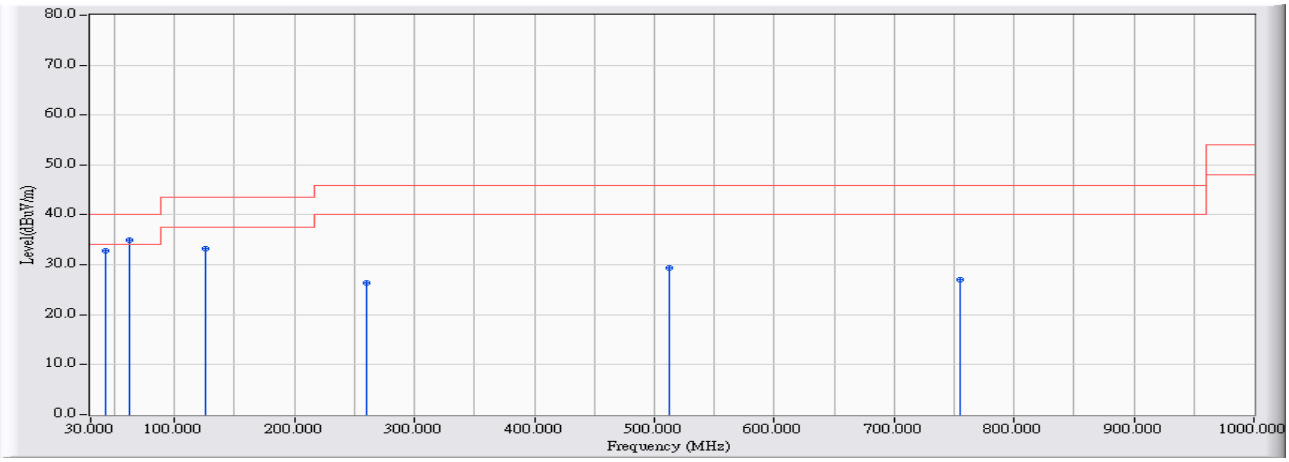
4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2016

4.6. Test Result

30MHz-1GHz Spurious

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**

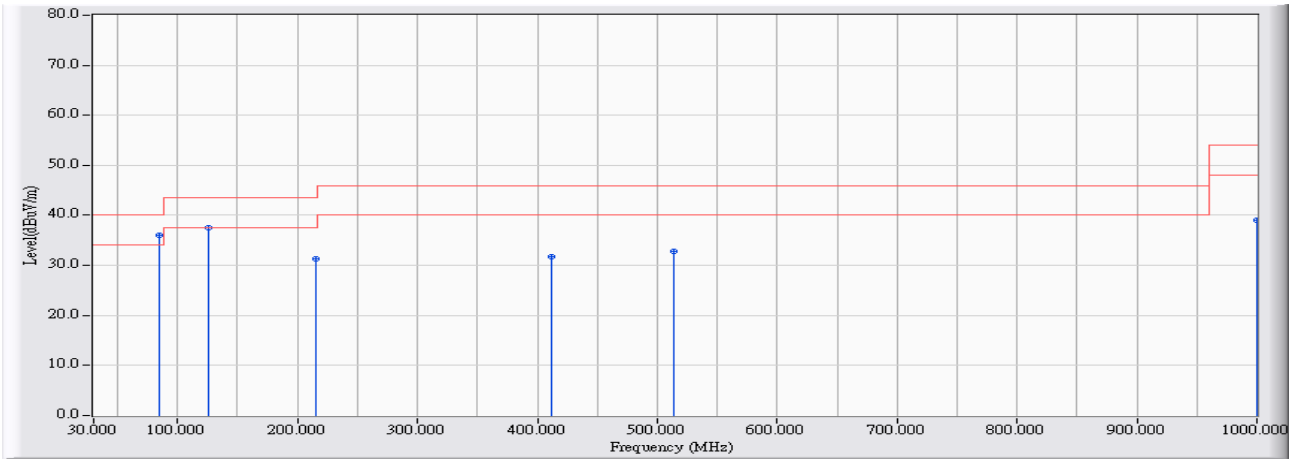


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		42.512	-19.671	52.406	32.735	-7.265	40.000	QUASIPEAK
2	*	62.783	-28.306	63.288	34.982	-5.018	40.000	QUASIPEAK
3		125.438	-21.646	54.942	33.296	-10.204	43.500	QUASIPEAK
4		259.576	-20.162	46.549	26.386	-19.614	46.000	QUASIPEAK
5		511.945	-14.342	43.824	29.483	-16.517	46.000	QUASIPEAK
6		754.615	-11.621	38.541	26.919	-19.081	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 : CB2-H	**Time : 2017/09/12**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**

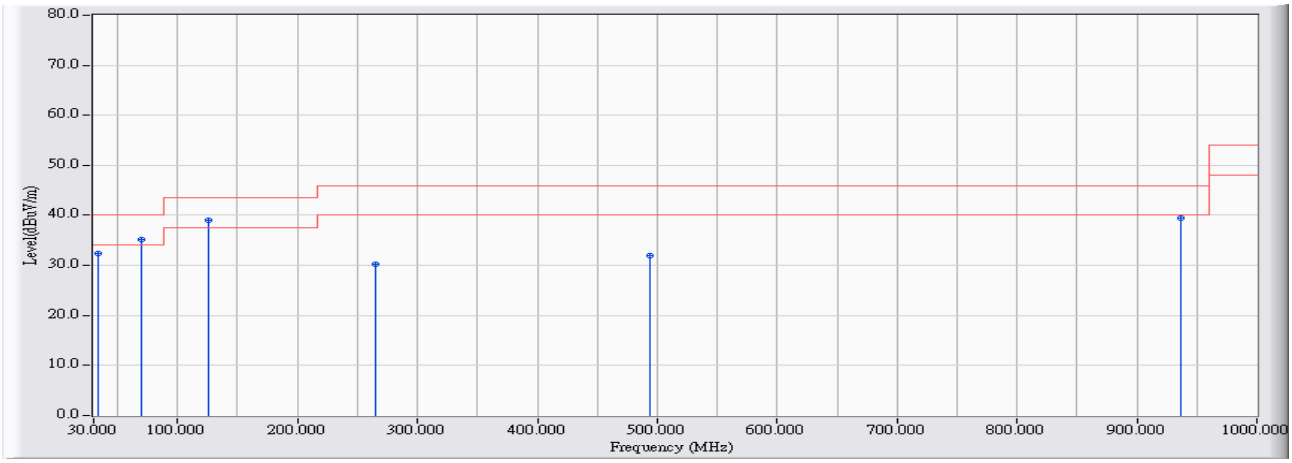


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	84.218	-26.600	62.601	36.001	-3.999	40.000	QUASIPEAK
2		125.244	-21.642	59.243	37.601	-5.899	43.500	QUASIPEAK
3		215.057	-22.541	53.794	31.252	-12.248	43.500	QUASIPEAK
4		411.948	-15.764	47.576	31.813	-14.187	46.000	QUASIPEAK
5		514.079	-14.322	47.128	32.806	-13.194	46.000	QUASIPEAK
6		999.903	-8.319	47.280	38.961	-15.039	54.000	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 : CB2-H	**Time : 2017/09/12**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz Mode 2: Transmit_2DH5**

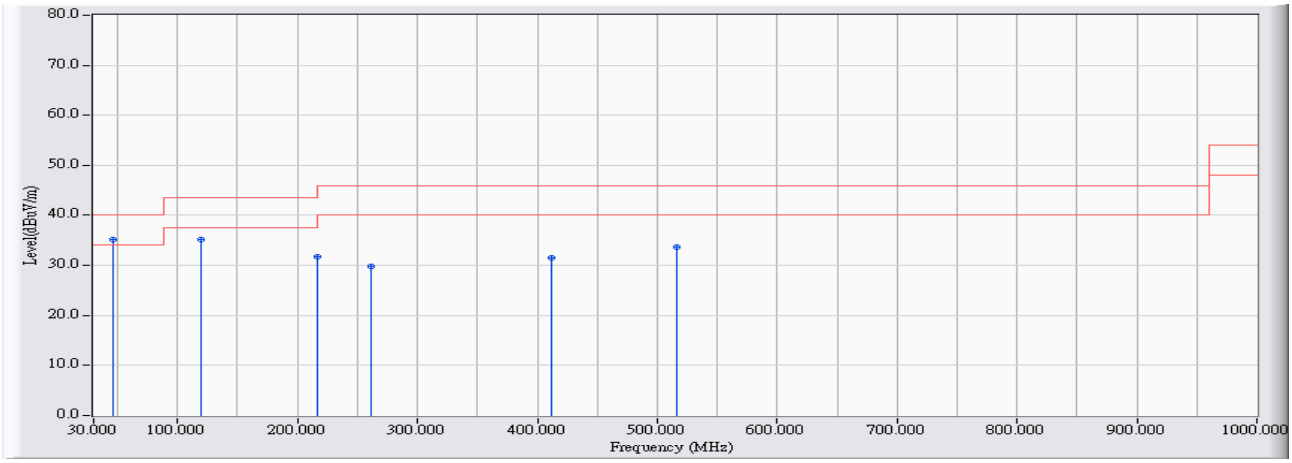


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		33.686	-16.775	49.265	32.490	-7.510	40.000	QUASIPEAK
2		69.281	-28.252	63.344	35.092	-4.908	40.000	QUASIPEAK
3	*	125.244	-21.642	60.639	38.997	-4.503	43.500	QUASIPEAK
4		264.911	-20.029	50.347	30.318	-15.682	46.000	QUASIPEAK
5		494.002	-14.535	46.523	31.987	-14.013	46.000	QUASIPEAK
6		936.665	-8.995	48.513	39.518	-6.482	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 : CB2-H	**Time : 2017/09/12**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz** **Mode 2: Transmit_2DH5**

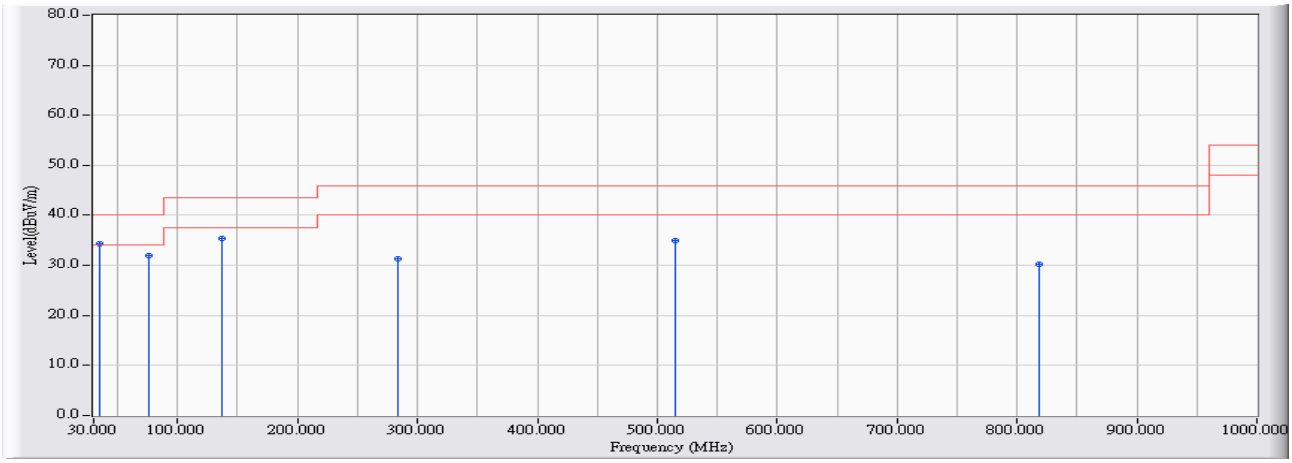


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	45.712	-23.154	58.241	35.087	-4.913	40.000	QUASIPEAK
2		118.940	-21.647	56.898	35.251	-8.249	43.500	QUASIPEAK
3		215.930	-22.490	54.148	31.659	-11.841	43.500	QUASIPEAK
4		261.807	-20.108	50.004	29.896	-16.104	46.000	QUASIPEAK
5		411.948	-15.764	47.261	31.498	-14.502	46.000	QUASIPEAK
6		516.115	-14.303	47.938	33.636	-12.364	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 : CB2-H	**Time : 2017/09/12**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz Mode 3: Transmit_3DH5**

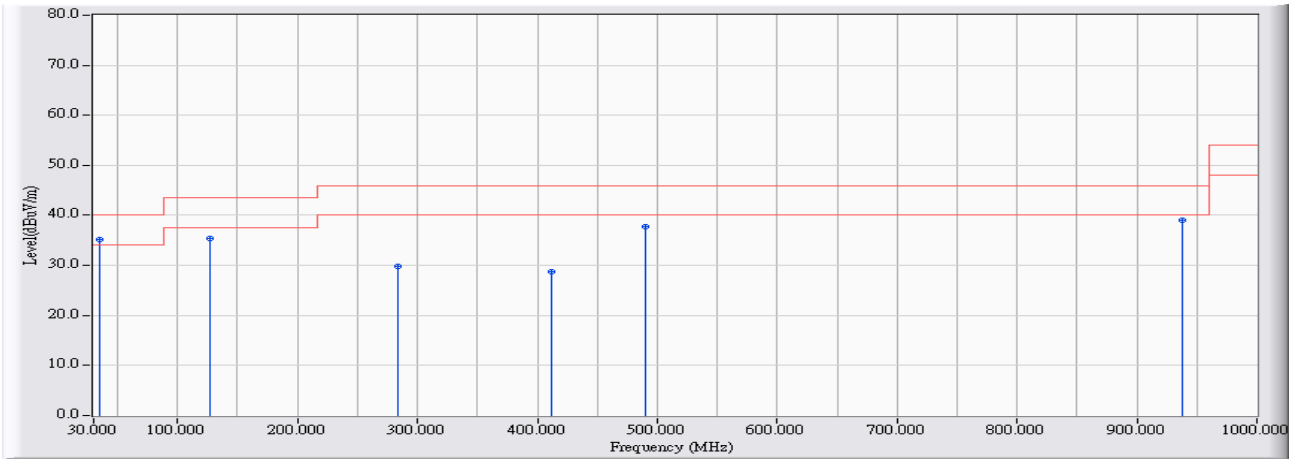


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	34.365	-16.819	51.067	34.249	-5.751	40.000	QUASIPEAK
2		75.682	-27.638	59.488	31.851	-8.149	40.000	QUASIPEAK
3		137.077	-21.877	57.360	35.483	-8.017	43.500	QUASIPEAK
4		284.309	-19.562	50.868	31.306	-14.694	46.000	QUASIPEAK
5		514.467	-14.319	49.205	34.887	-11.113	46.000	QUASIPEAK
6		818.822	-10.932	41.184	30.252	-15.748	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 : CB2-H	**Time : 2017/09/12**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**



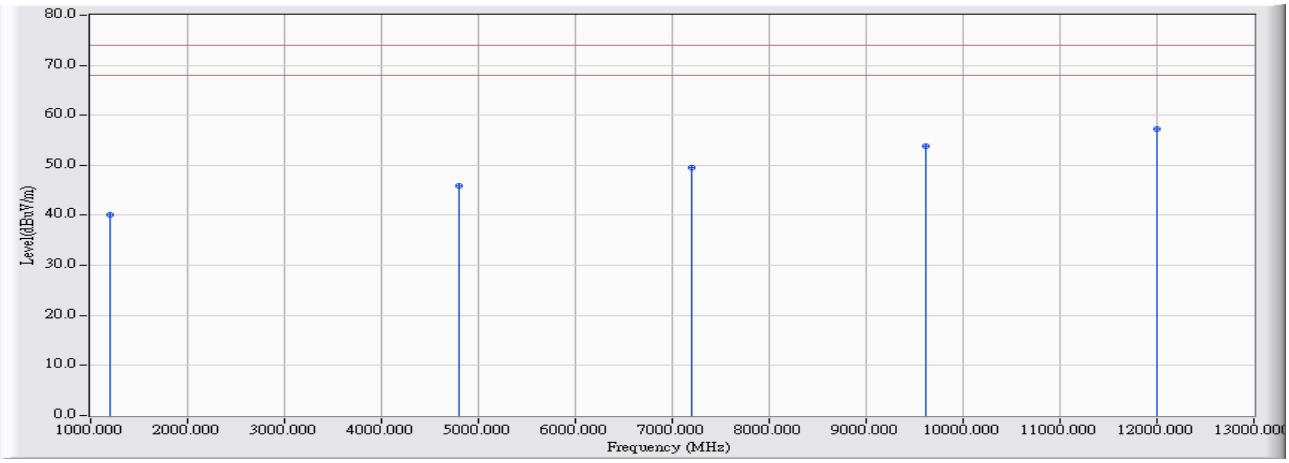
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	35.237	-16.835	51.960	35.125	-4.875	40.000	QUASIPEAK
2		127.378	-21.684	57.026	35.342	-8.158	43.500	QUASIPEAK
3		283.339	-19.585	49.318	29.734	-16.266	46.000	QUASIPEAK
4		411.948	-15.764	44.539	28.776	-17.224	46.000	QUASIPEAK
5		490.122	-14.589	52.236	37.647	-8.353	46.000	QUASIPEAK
6		937.538	-8.967	48.057	39.090	-6.910	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

Harmonic & Spurious:

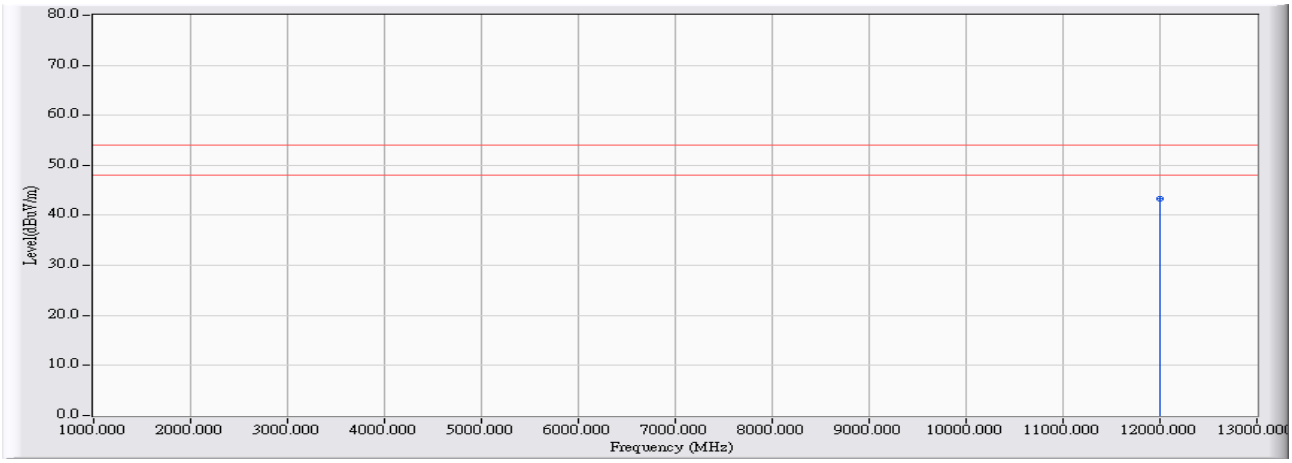
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2402MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1199.800	-6.349	46.560	40.210	-33.790	74.000	PEAK
2		4804.660	6.683	39.180	45.864	-28.136	74.000	PEAK
3		7205.590	14.216	35.260	49.476	-24.524	74.000	PEAK
4		9608.300	20.931	32.910	53.840	-20.160	74.000	PEAK
5	*	12007.500	23.404	33.950	57.354	-16.646	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

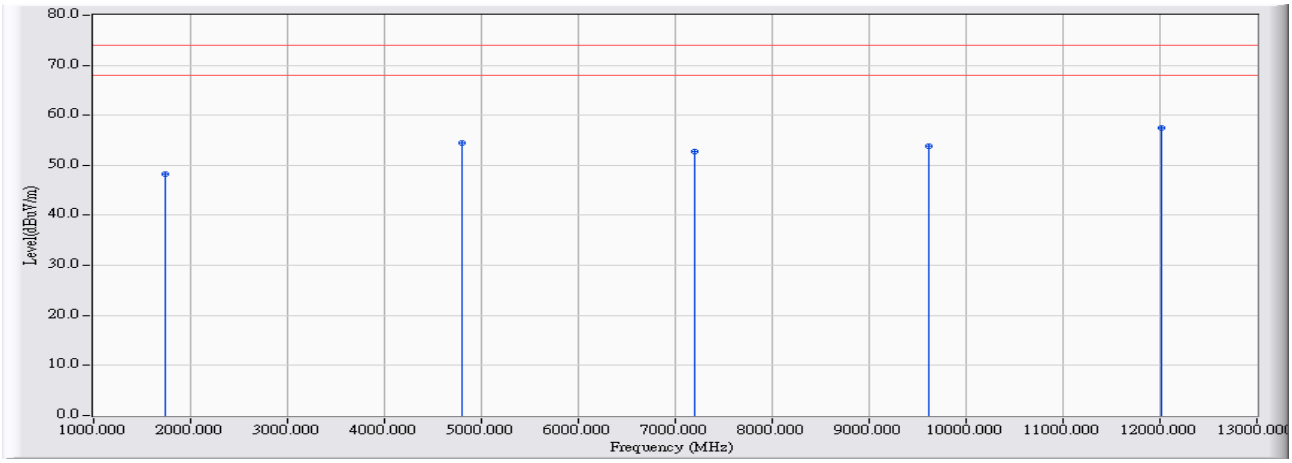
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2402MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12007.500	23.404	19.820	43.224	-10.776	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

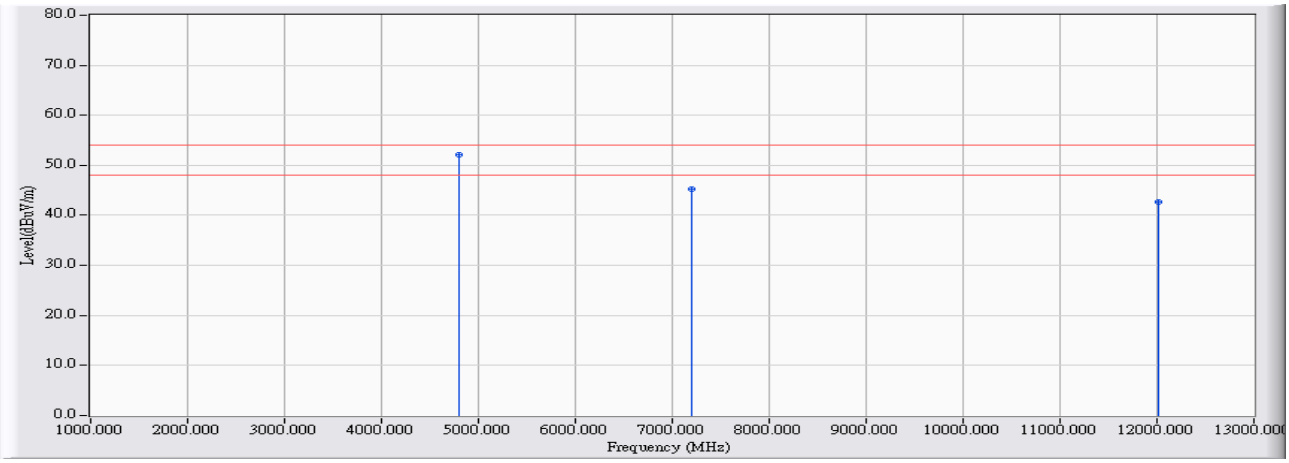
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2402MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1738.500	-4.397	52.640	48.243	-25.757	74.000	PEAK
2		4804.400	6.684	47.880	54.564	-19.436	74.000	PEAK
3		7206.400	14.220	38.640	52.859	-21.141	74.000	PEAK
4		9608.100	20.928	32.900	53.829	-20.171	74.000	PEAK
5	*	12012.100	23.387	34.020	57.406	-16.594	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

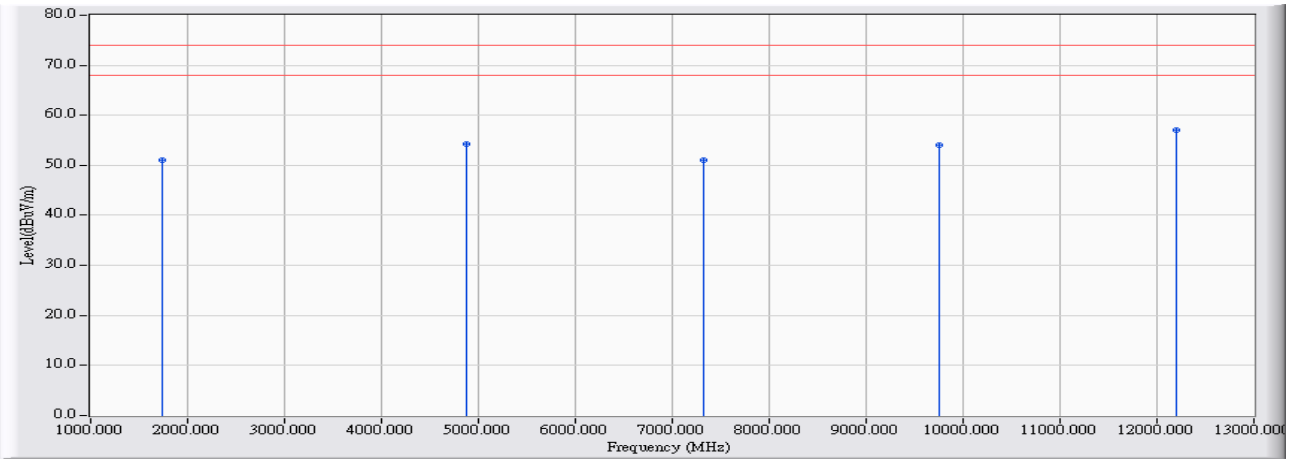
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2402MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4804.000	6.683	45.390	52.074	-1.926	54.000	AVERAGE
2		7205.900	14.217	31.130	45.347	-8.653	54.000	AVERAGE
3		12012.000	23.387	19.220	42.607	-11.393	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

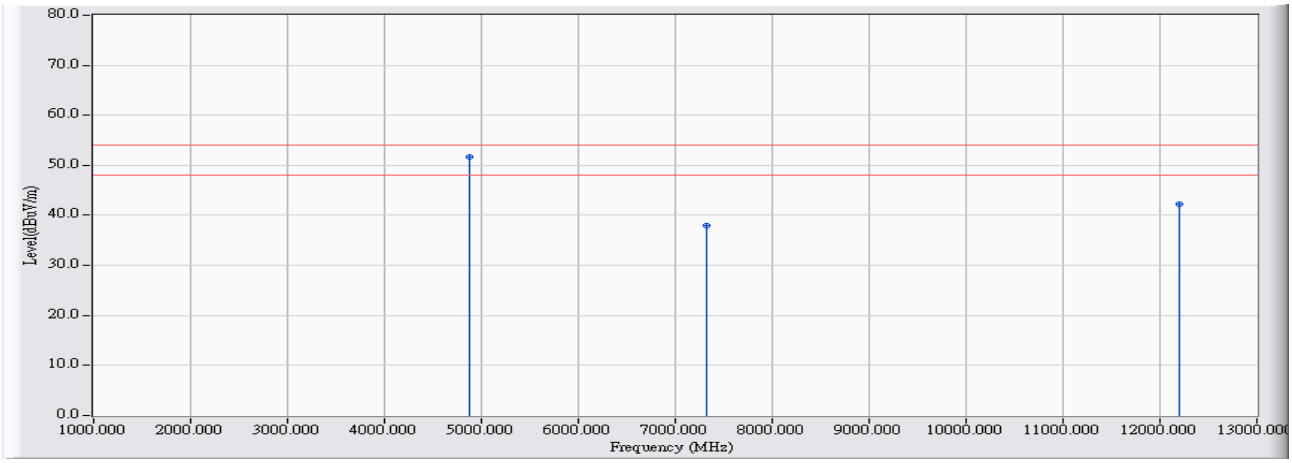
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1745.700	-4.372	55.480	51.109	-22.891	74.000	PEAK
2		4881.660	6.737	47.630	54.367	-19.633	74.000	PEAK
3		7323.300	14.644	36.320	50.964	-23.036	74.000	PEAK
4		9759.100	21.316	32.770	54.086	-19.914	74.000	PEAK
5	*	12203.100	22.689	34.460	57.149	-16.851	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

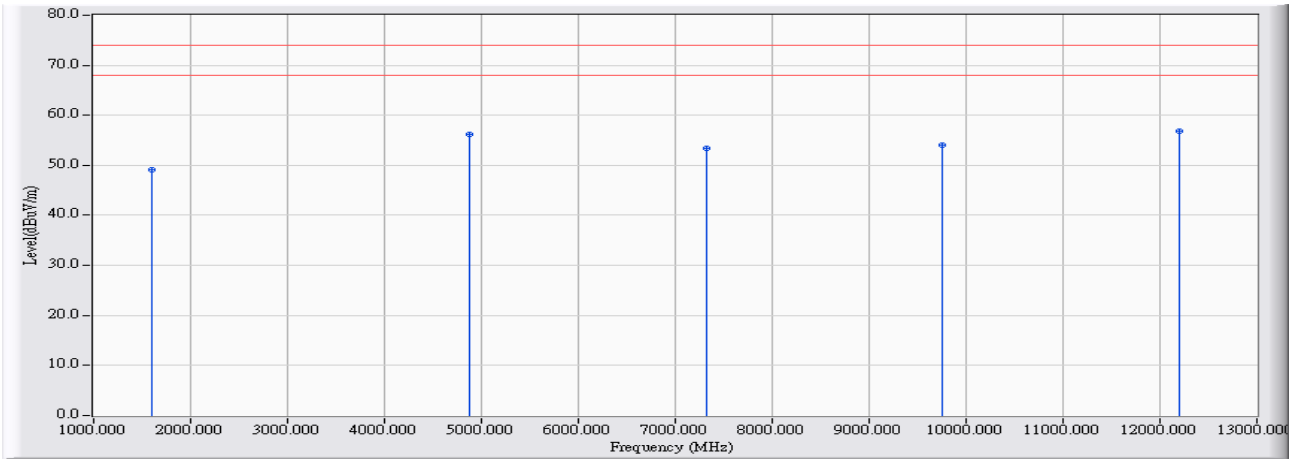
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4881.950	6.737	44.890	51.628	-2.372	54.000	AVERAGE
2		7322.800	14.642	23.390	38.032	-15.968	54.000	AVERAGE
3		12203.100	22.689	19.500	42.189	-11.811	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

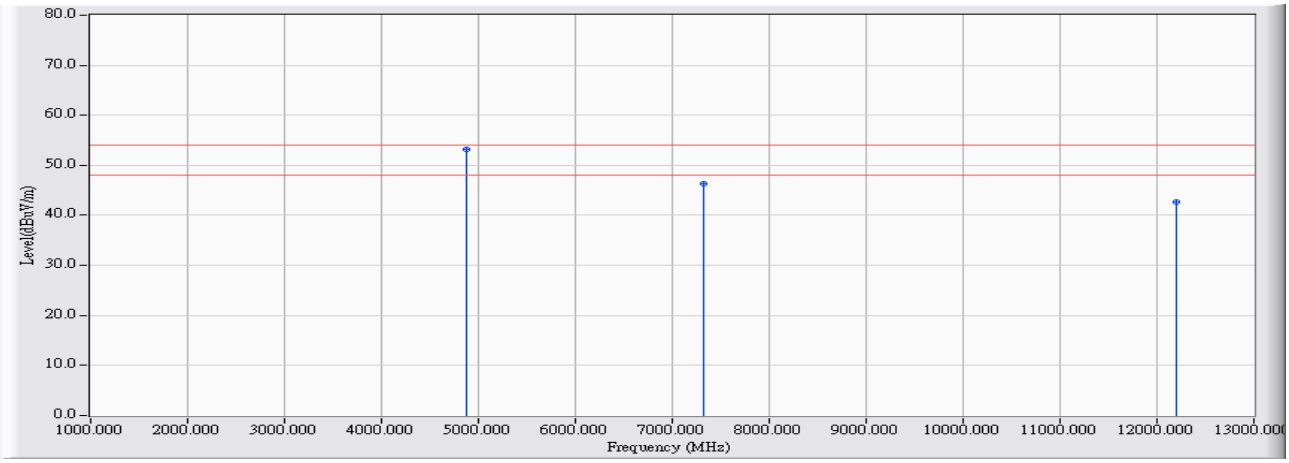
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1600.500	-4.884	54.020	49.136	-24.864	74.000	PEAK
2		4881.800	6.738	49.510	56.247	-17.753	74.000	PEAK
3		7322.600	14.642	38.800	53.441	-20.559	74.000	PEAK
4		9759.600	21.318	32.750	54.068	-19.932	74.000	PEAK
5	*	12202.300	22.692	34.080	56.772	-17.228	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

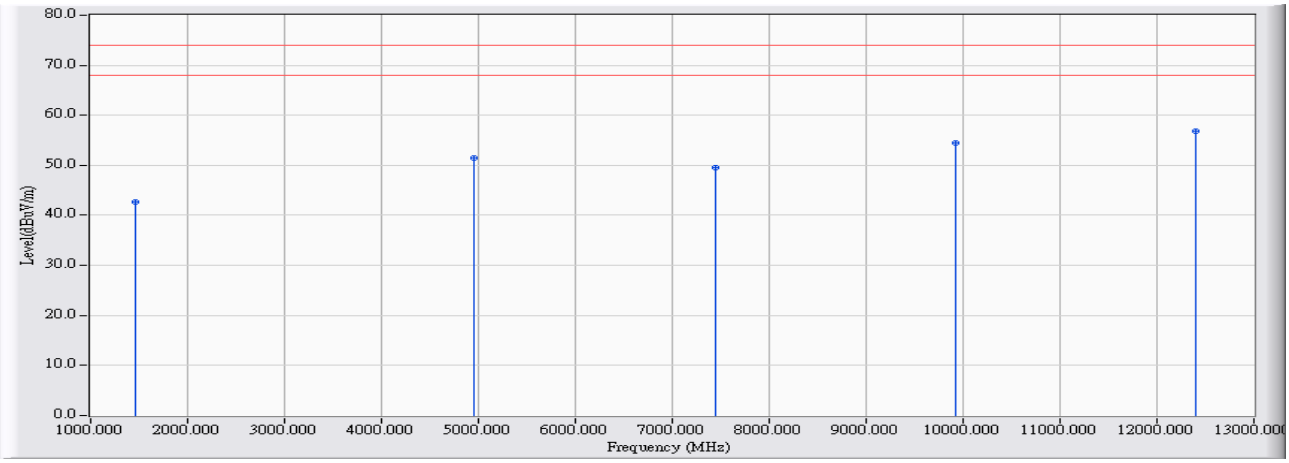
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.100	6.737	46.450	53.188	-0.812	54.000	AVERAGE
2		7322.800	14.642	31.710	46.352	-7.648	54.000	AVERAGE
3		12202.300	22.692	20.020	42.712	-11.288	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

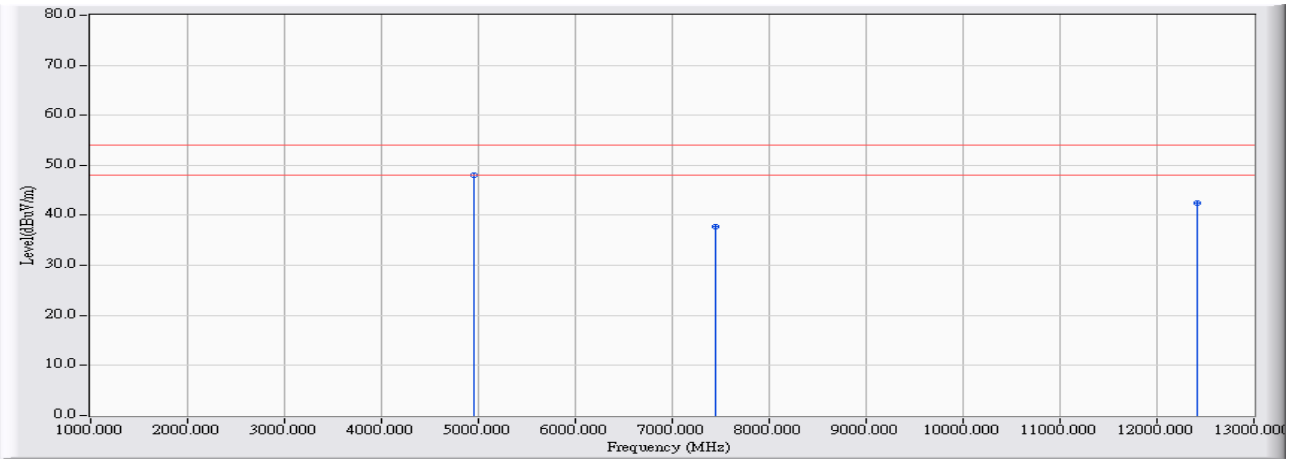
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2480MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1461.000	-5.383	47.970	42.587	-31.413	74.000	PEAK
2		1461.400	-5.381	47.960	42.578	-31.422	74.000	PEAK
3		4959.700	6.791	44.760	51.551	-22.449	74.000	PEAK
4		7439.660	15.071	34.520	49.591	-24.409	74.000	PEAK
5		9923.700	21.751	32.690	54.441	-19.559	74.000	PEAK
6	*	12405.000	23.641	33.130	56.771	-17.229	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

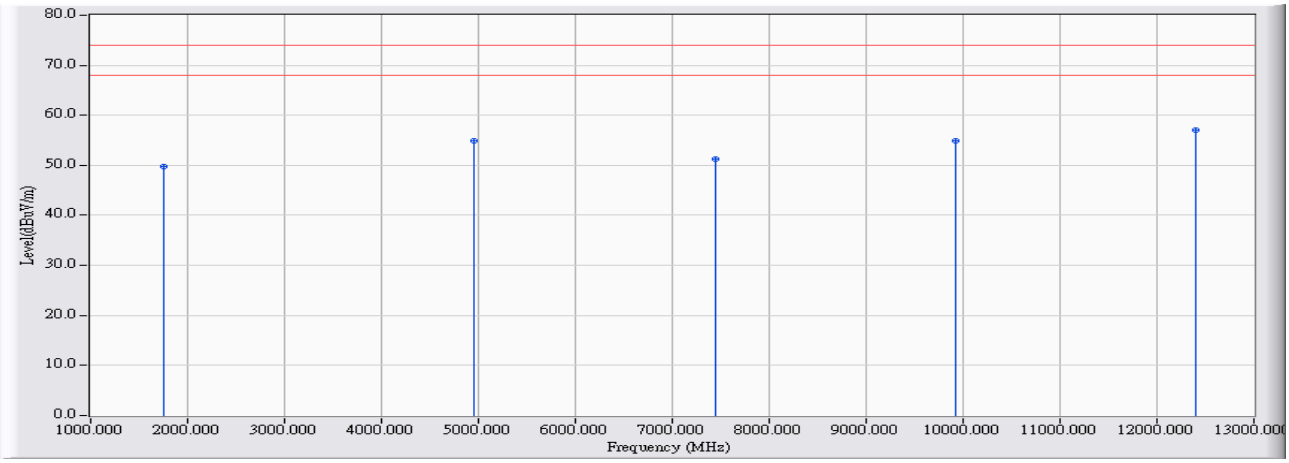
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2480MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	6.792	41.200	47.992	-6.008	54.000	AVERAGE
2		7439.800	15.071	22.580	37.651	-16.349	54.000	AVERAGE
3		12408.100	23.663	18.710	42.373	-11.627	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

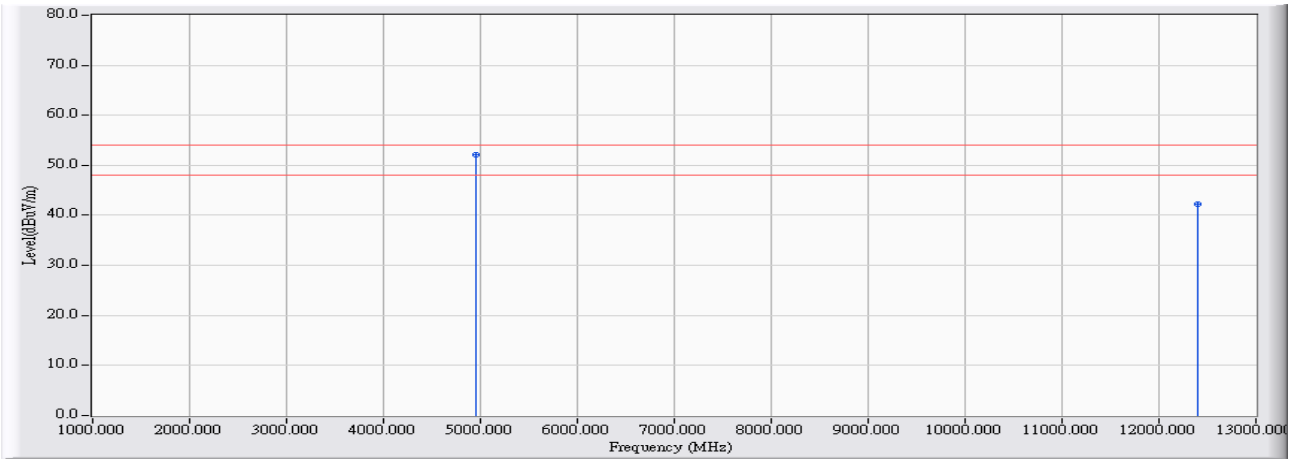
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2480MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1749.300	-4.358	54.100	49.741	-24.259	74.000	PEAK
2		4959.700	6.791	48.080	54.871	-19.129	74.000	PEAK
3		7440.400	15.073	36.280	51.353	-22.647	74.000	PEAK
4		9921.600	21.745	33.200	54.946	-19.054	74.000	PEAK
5	*	12402.900	23.625	33.480	57.105	-16.895	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

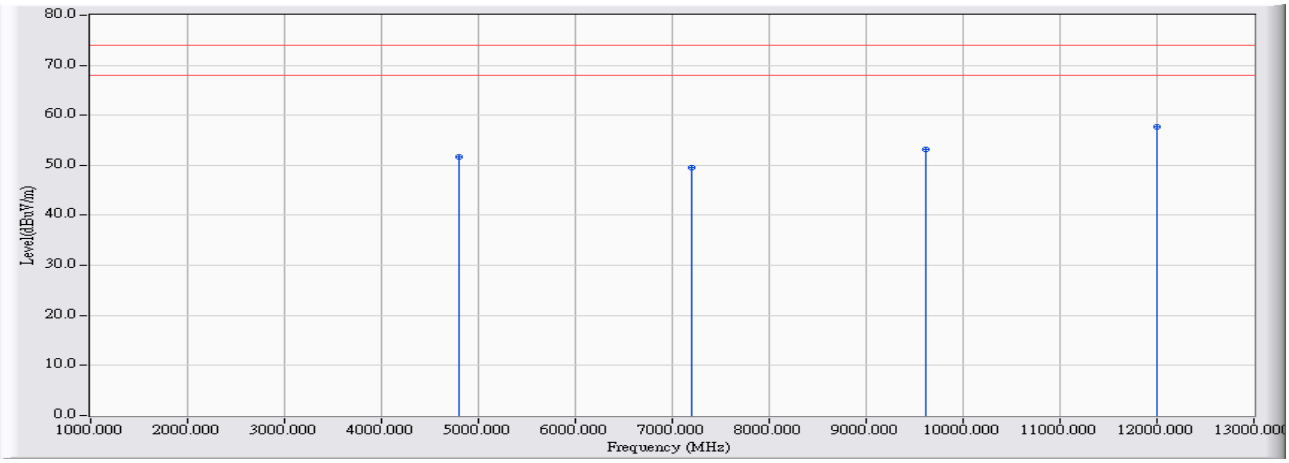
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2480MHz** **Mode 1: Transmit_DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4960.000	6.792	45.400	52.192	-1.808	54.000	AVERAGE
2		12397.600	23.586	18.580	42.167	-11.833	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

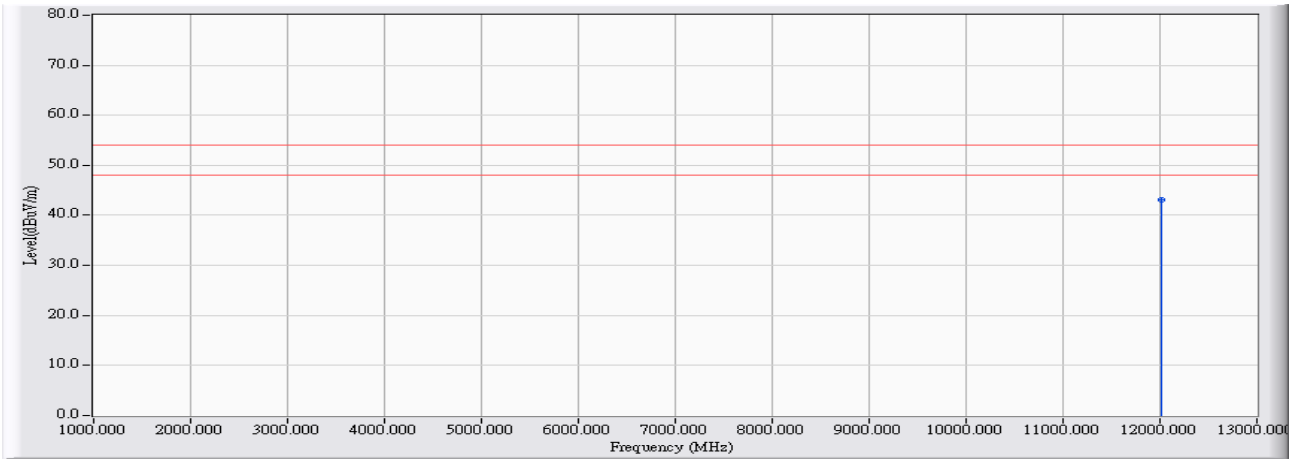
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2402MHz Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4803.700	6.683	44.950	51.634	-22.366	74.000	PEAK
2		7206.900	14.221	35.220	49.441	-24.559	74.000	PEAK
3		9609.000	20.931	32.320	53.252	-20.748	74.000	PEAK
4	*	12006.900	23.406	34.250	57.656	-16.344	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

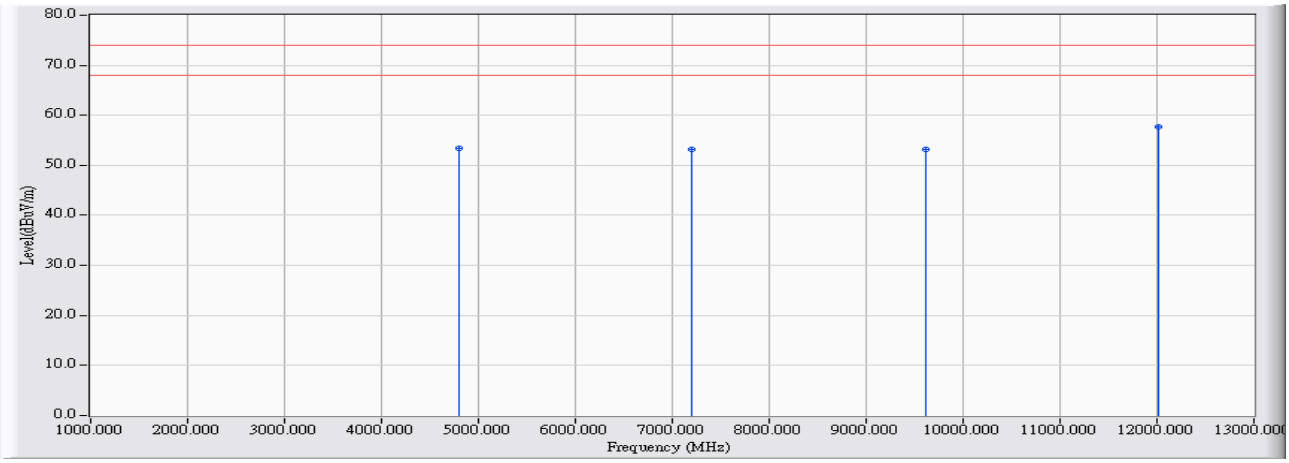
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2402MHz** **Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12012.000	23.387	19.770	43.157	-10.843	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

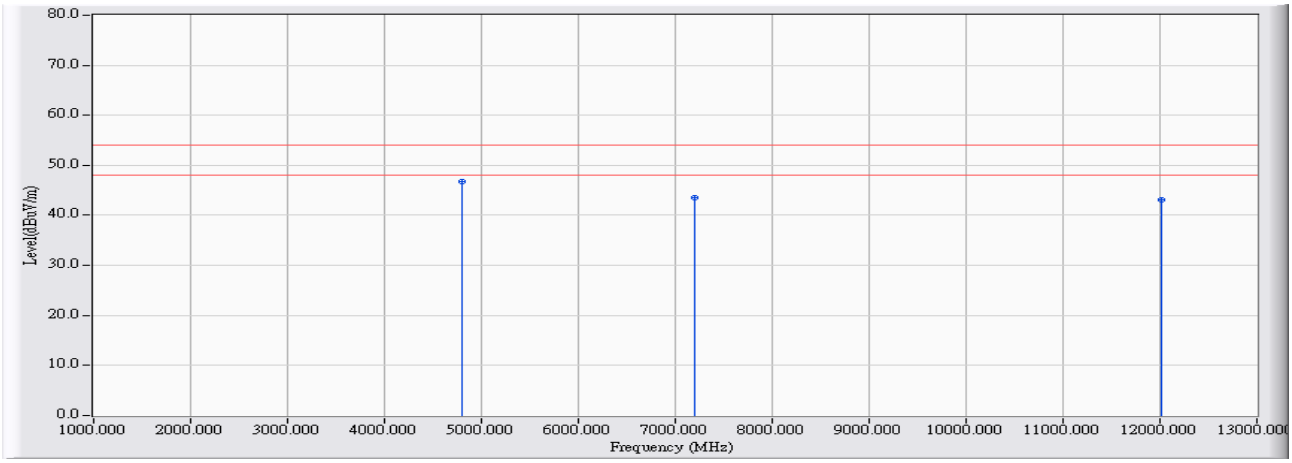
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2402MHz** **Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4803.700	6.683	46.700	53.384	-20.616	74.000	PEAK
2		7205.200	14.215	38.920	53.135	-20.865	74.000	PEAK
3		9608.200	20.931	32.300	53.230	-20.770	74.000	PEAK
4	*	12008.300	23.401	34.340	57.741	-16.259	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

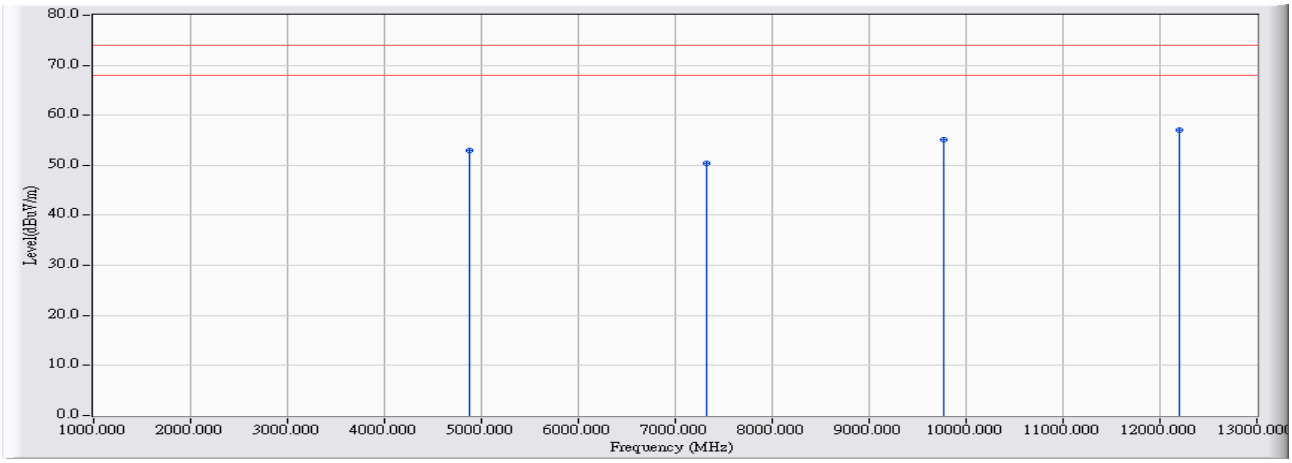
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2402MHz** **Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4803.900	6.684	40.110	46.794	-7.206	54.000	AVERAGE
2		7205.900	14.217	29.300	43.517	-10.483	54.000	AVERAGE
3		12008.400	23.401	19.750	43.151	-10.849	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

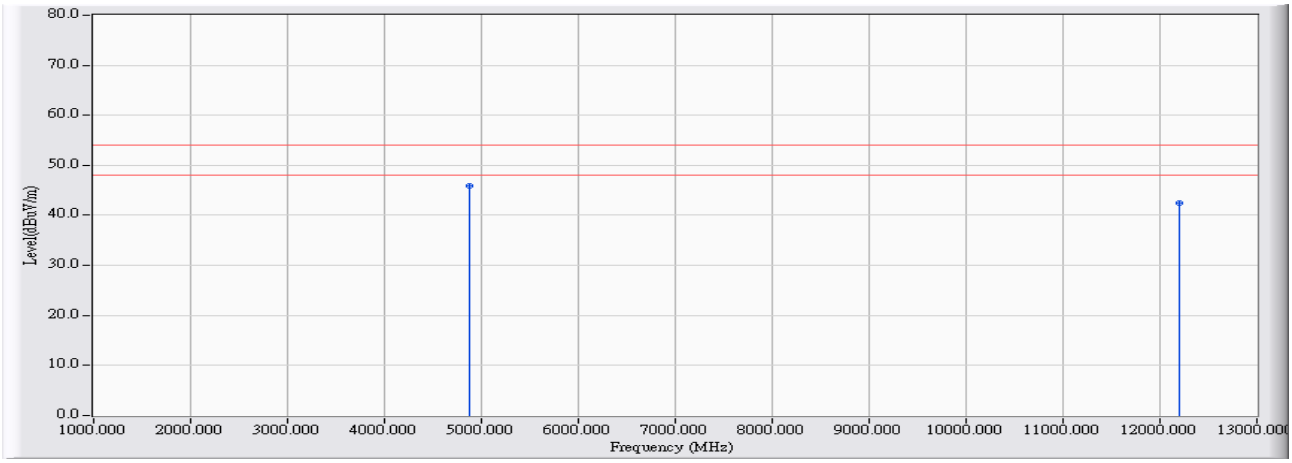
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4882.100	6.737	46.260	52.998	-21.002	74.000	PEAK
2		7323.700	14.645	35.700	50.346	-23.654	74.000	PEAK
3		9766.500	21.335	33.830	55.166	-18.834	74.000	PEAK
4	*	12200.900	22.697	34.350	57.047	-16.953	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

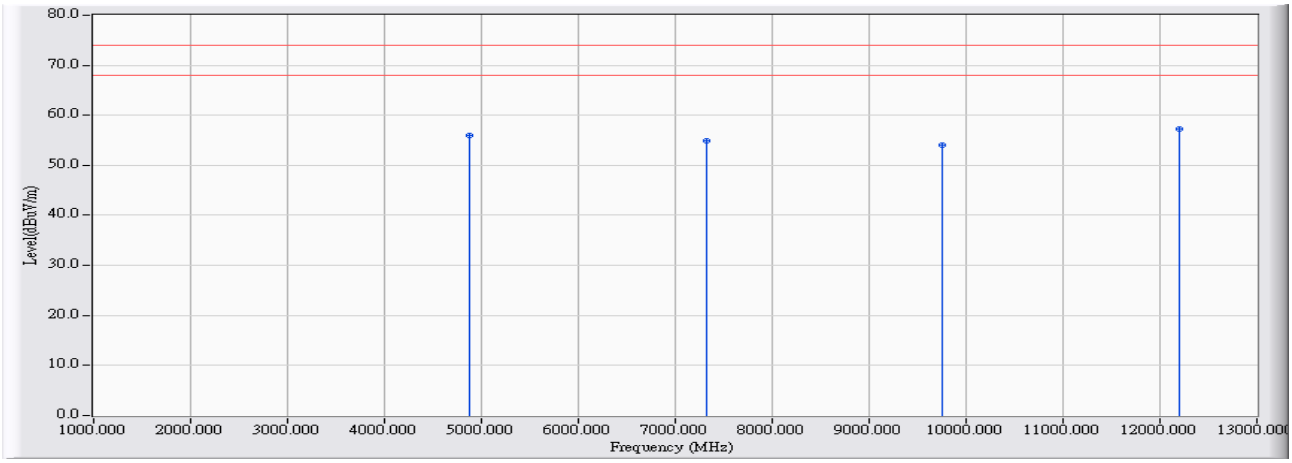
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz** **Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4881.900	6.738	39.210	45.948	-8.052	54.000	AVERAGE
2		12203.900	22.687	19.880	42.566	-11.434	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

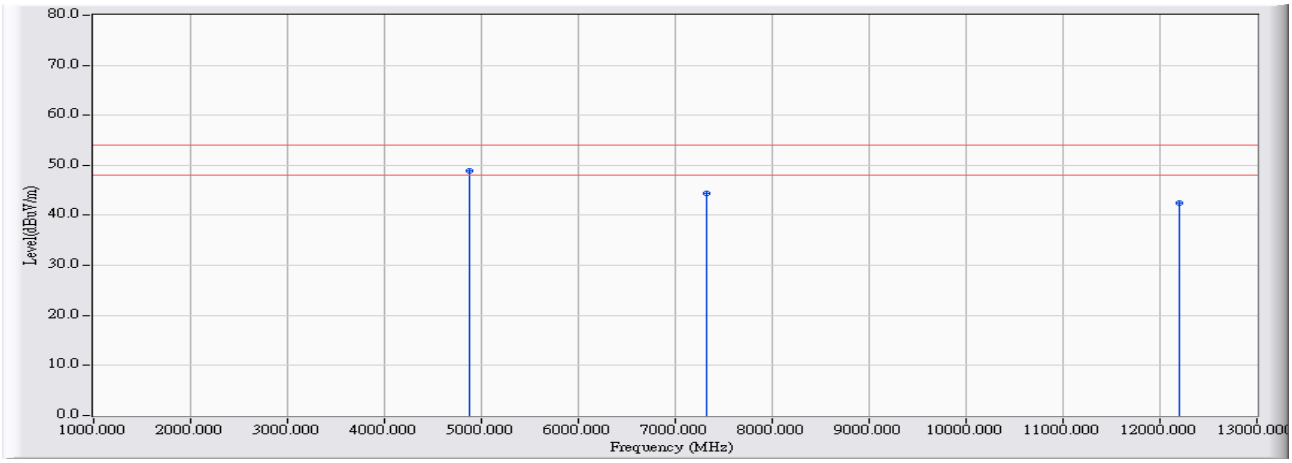
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4881.800	6.738	49.320	56.057	-17.943	74.000	PEAK
2		7322.500	14.641	40.250	54.891	-19.109	74.000	PEAK
3		9761.500	21.322	32.740	54.063	-19.937	74.000	PEAK
4	*	12200.000	22.700	34.480	57.180	-16.820	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

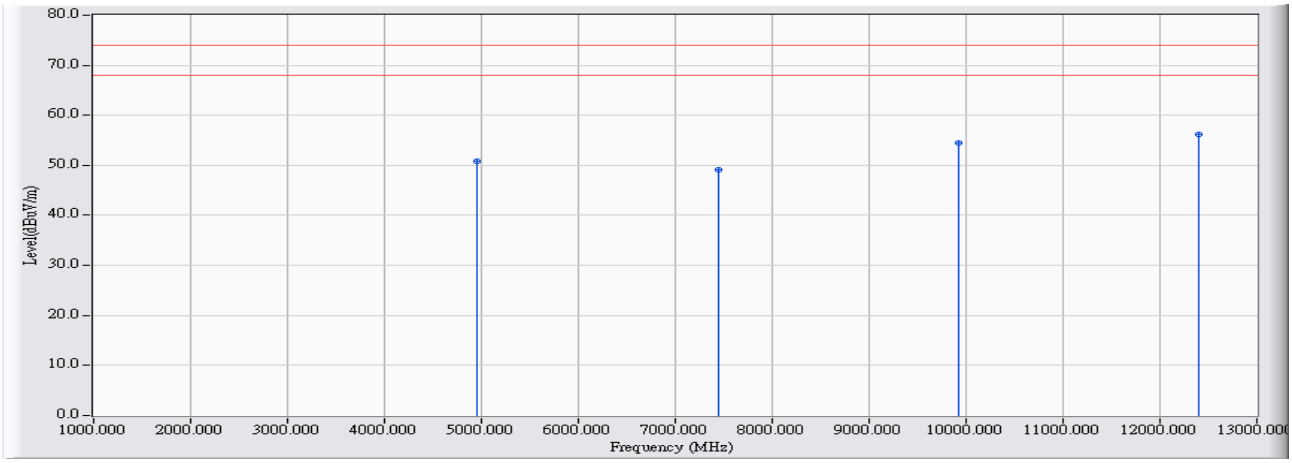
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz** **Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4881.900	6.738	42.200	48.938	-5.062	54.000	AVERAGE
2		7322.900	14.643	29.750	44.393	-9.607	54.000	AVERAGE
3		12200.400	22.698	19.800	42.499	-11.501	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

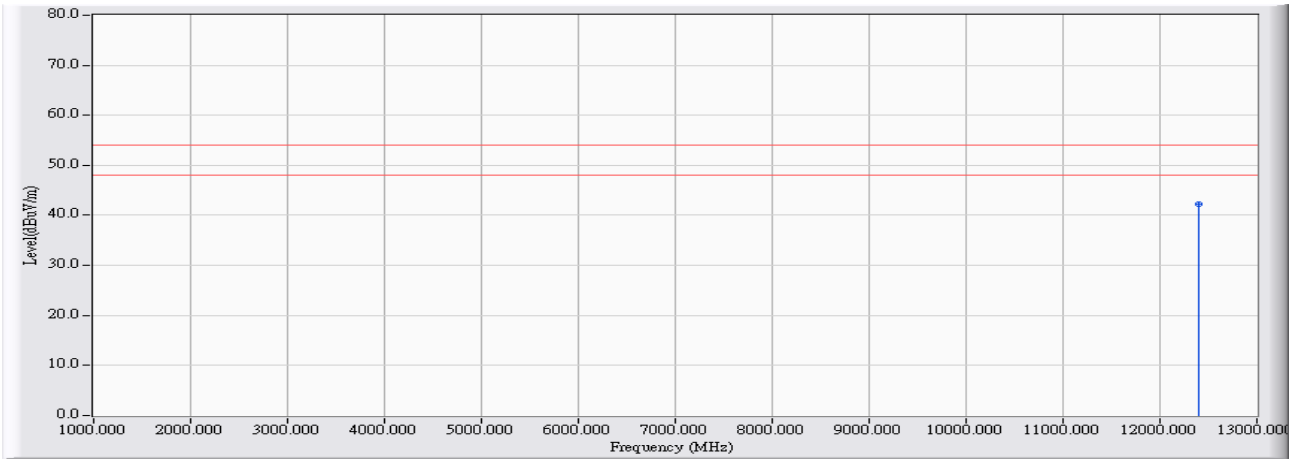
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2480MHz** **Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4959.600	6.791	44.050	50.841	-23.159	74.000	PEAK
2		7439.800	15.071	33.950	49.021	-24.979	74.000	PEAK
3		9921.800	21.745	32.830	54.576	-19.424	74.000	PEAK
4	*	12403.240	23.627	32.660	56.288	-17.712	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

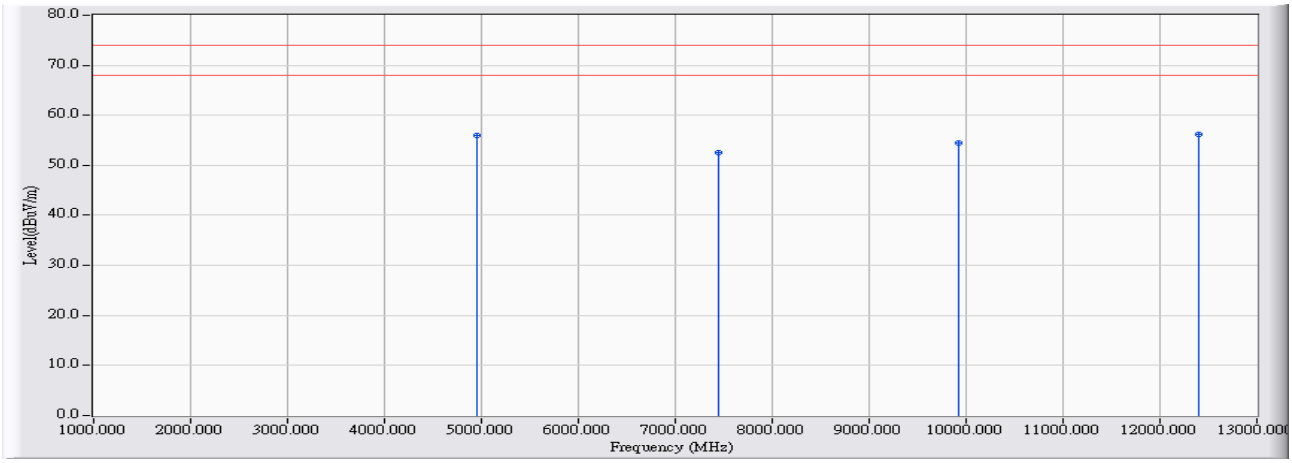
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2480MHz** **Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12404.500	23.637	18.540	42.177	-11.823	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

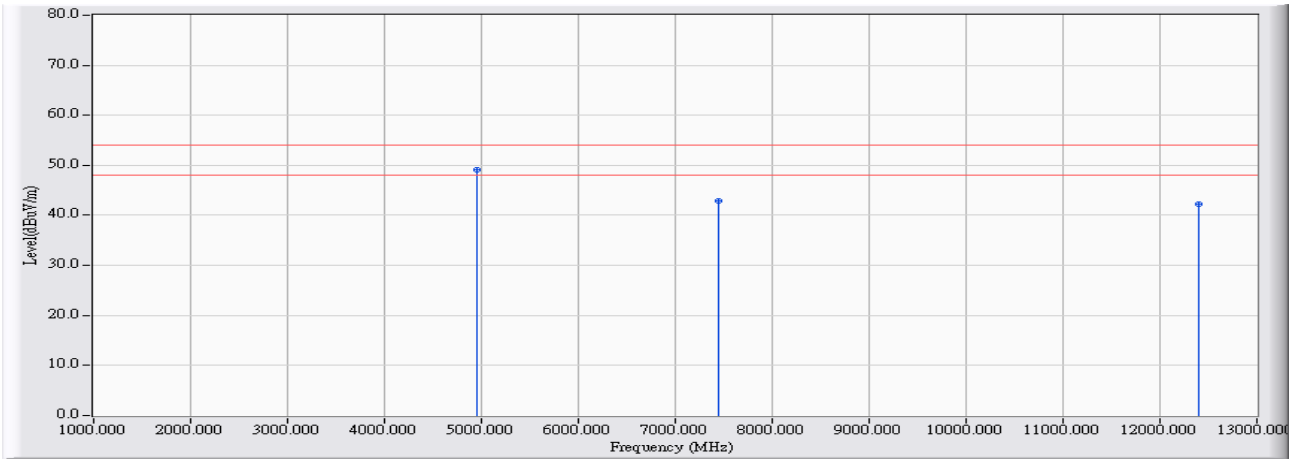
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2480MHz Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4959.700	6.791	49.200	55.991	-18.009	74.000	PEAK
2		7439.670	15.071	37.580	52.651	-21.349	74.000	PEAK
3		9919.490	21.741	32.840	54.580	-19.420	74.000	PEAK
4	*	12397.200	23.584	32.630	56.214	-17.786	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

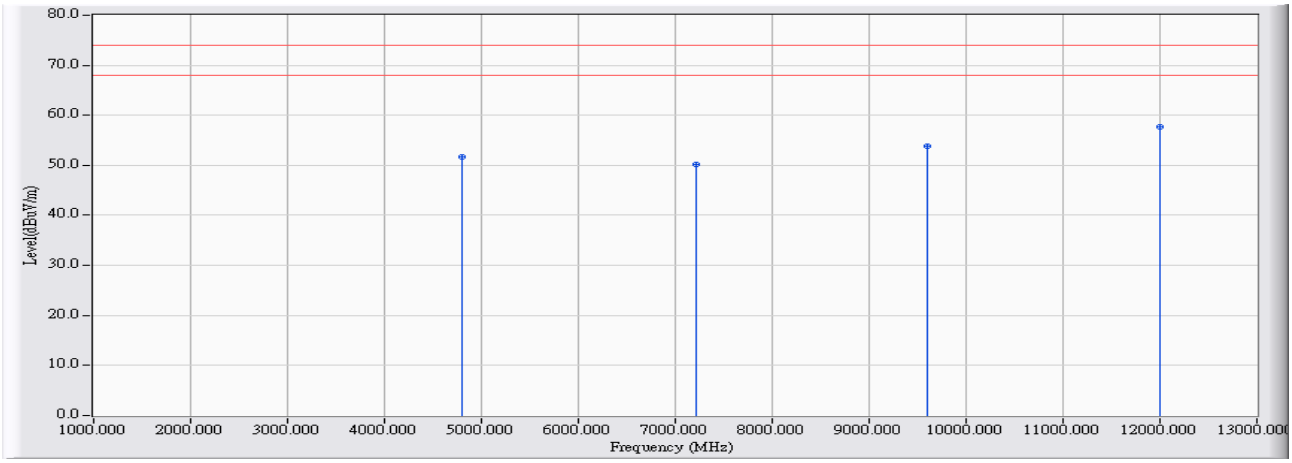
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2480MHz** **Mode 2: Transmit_2DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4959.200	6.791	42.300	49.091	-4.909	54.000	AVERAGE
2		7439.800	15.071	27.910	42.981	-11.019	54.000	AVERAGE
3		12397.100	23.583	18.620	42.203	-11.797	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

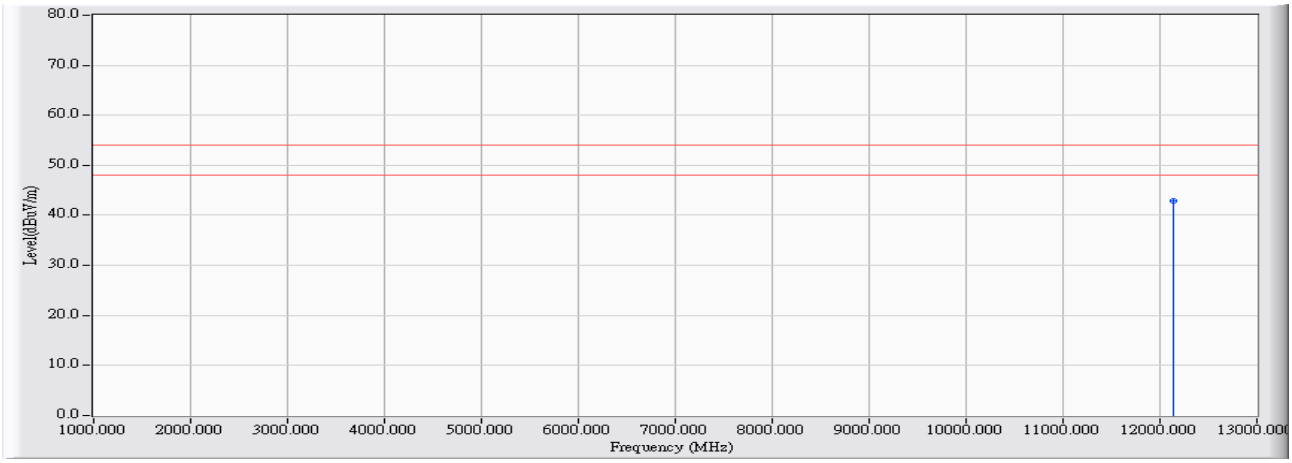
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2402MHz Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4803.960	6.683	45.060	51.744	-22.256	74.000	PEAK
2		7209.900	14.232	35.950	50.182	-23.818	74.000	PEAK
3		9607.100	20.927	32.840	53.767	-20.233	74.000	PEAK
4	*	12005.400	23.412	34.310	57.722	-16.278	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

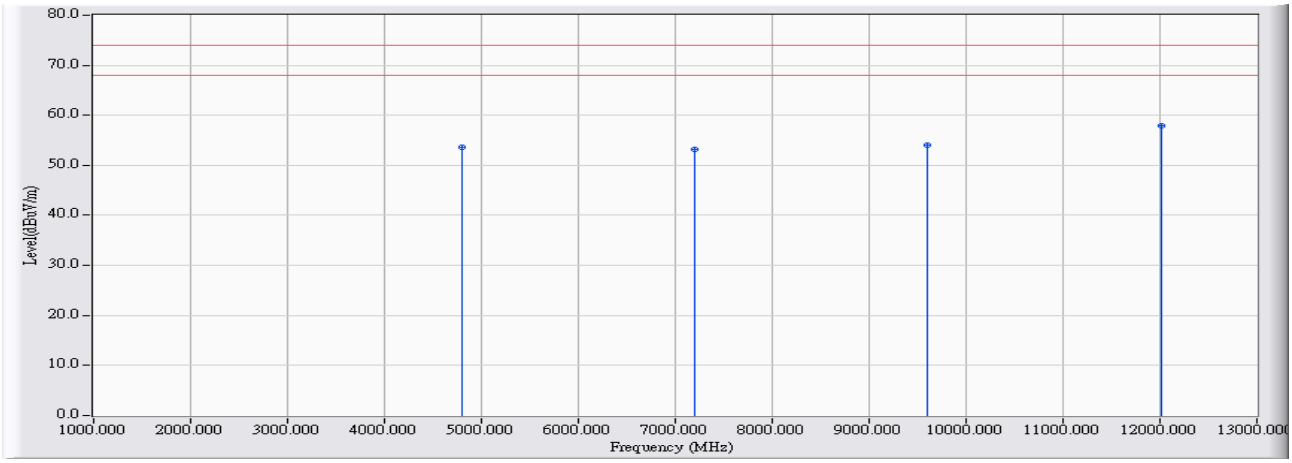
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2402MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12143.500	22.906	19.910	42.816	-11.184	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

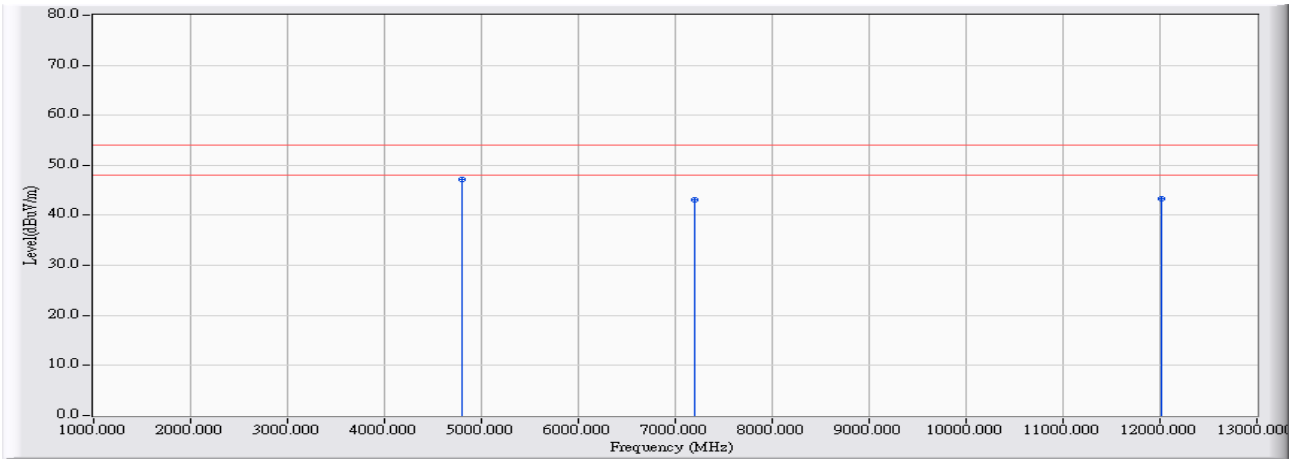
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2402MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4803.700	6.683	47.040	53.724	-20.276	74.000	PEAK
2		7206.300	14.219	38.870	53.089	-20.911	74.000	PEAK
3		9606.500	20.925	33.050	53.975	-20.025	74.000	PEAK
4	*	12009.500	23.397	34.460	57.856	-16.144	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

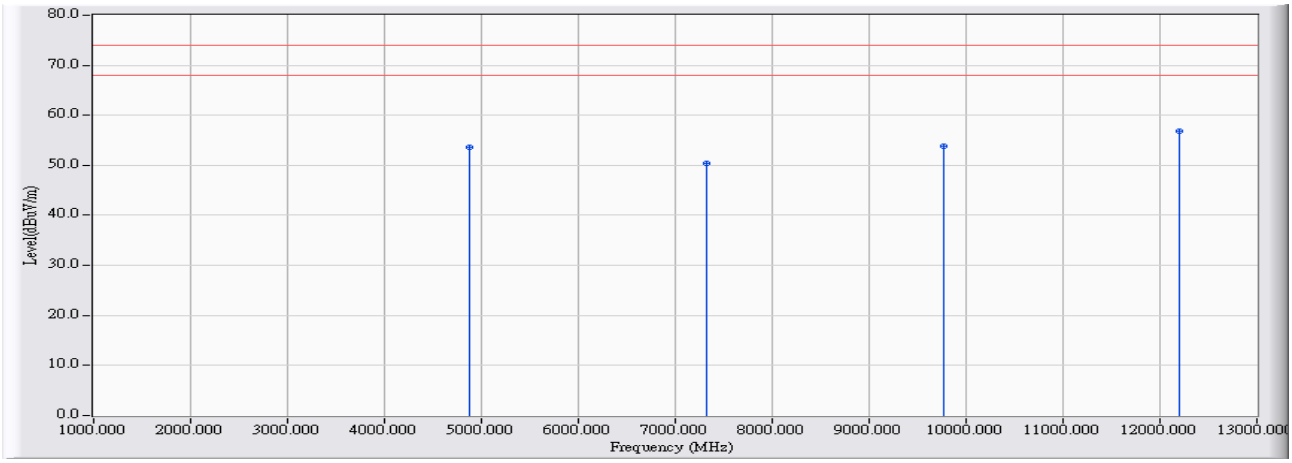
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2402MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4803.900	6.684	40.450	47.134	-6.866	54.000	AVERAGE
2		7205.900	14.217	28.860	43.077	-10.923	54.000	AVERAGE
3		12014.700	23.376	19.850	43.226	-10.774	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

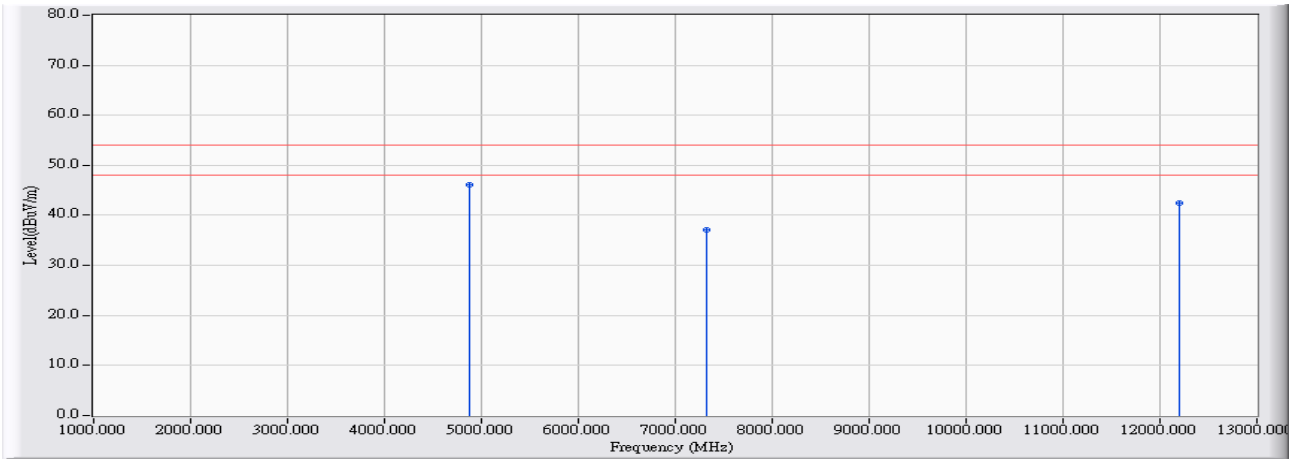
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4881.600	6.737	46.780	53.517	-20.483	74.000	PEAK
2		7326.300	14.655	35.640	50.295	-23.705	74.000	PEAK
3		9767.550	21.339	32.500	53.839	-20.161	74.000	PEAK
4	*	12204.200	22.684	34.130	56.815	-17.185	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

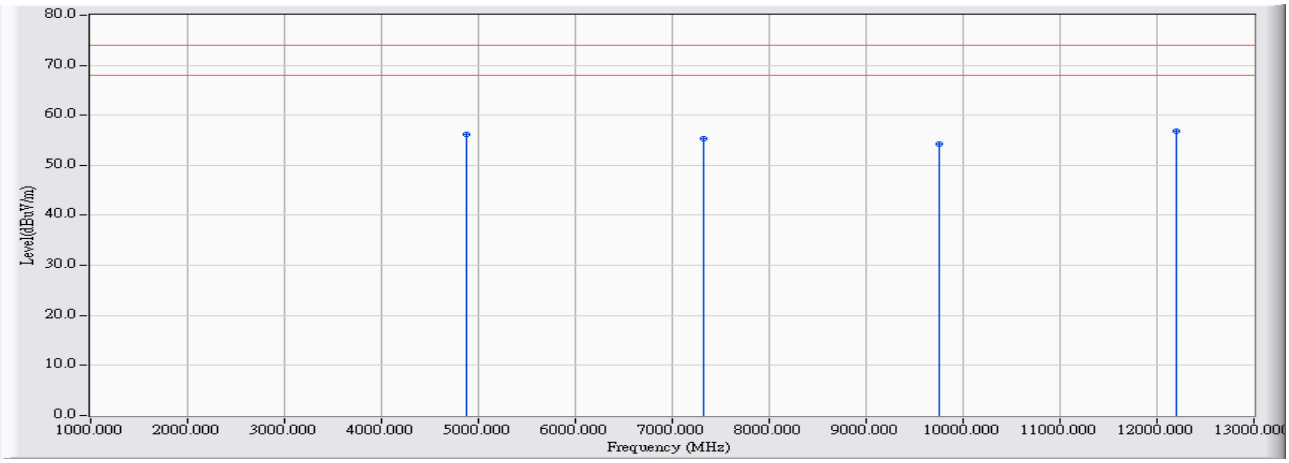
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4882.200	6.737	39.370	46.108	-7.892	54.000	AVERAGE
2		7322.990	14.643	22.470	37.113	-16.887	54.000	AVERAGE
3		12206.400	22.677	19.860	42.537	-11.463	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

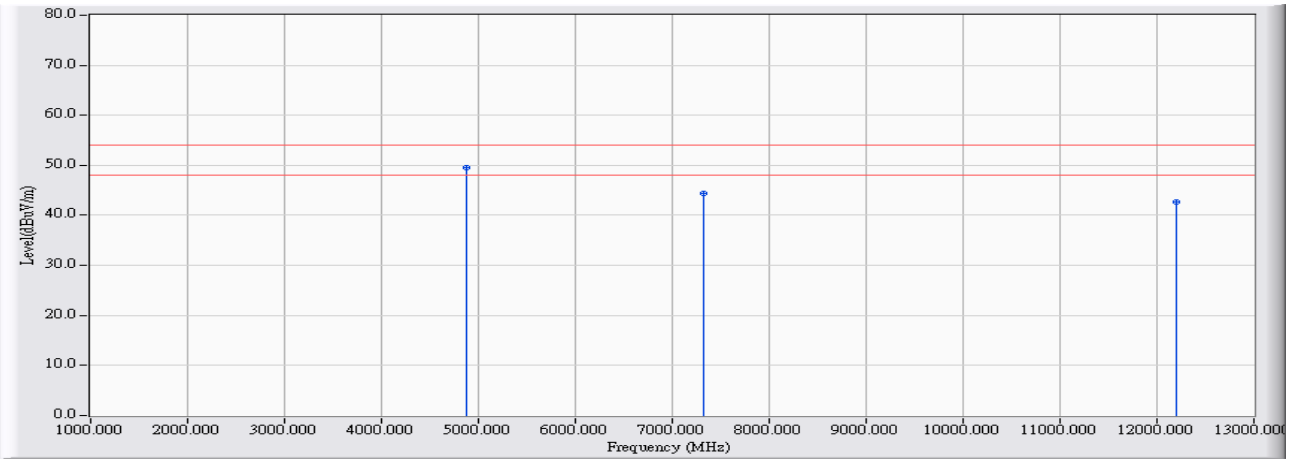
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4881.700	6.737	49.470	56.207	-17.793	74.000	PEAK
2		7322.500	14.641	40.660	55.301	-18.699	74.000	PEAK
3		9761.500	21.322	32.930	54.253	-19.747	74.000	PEAK
4	*	12206.000	22.678	34.210	56.888	-17.112	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

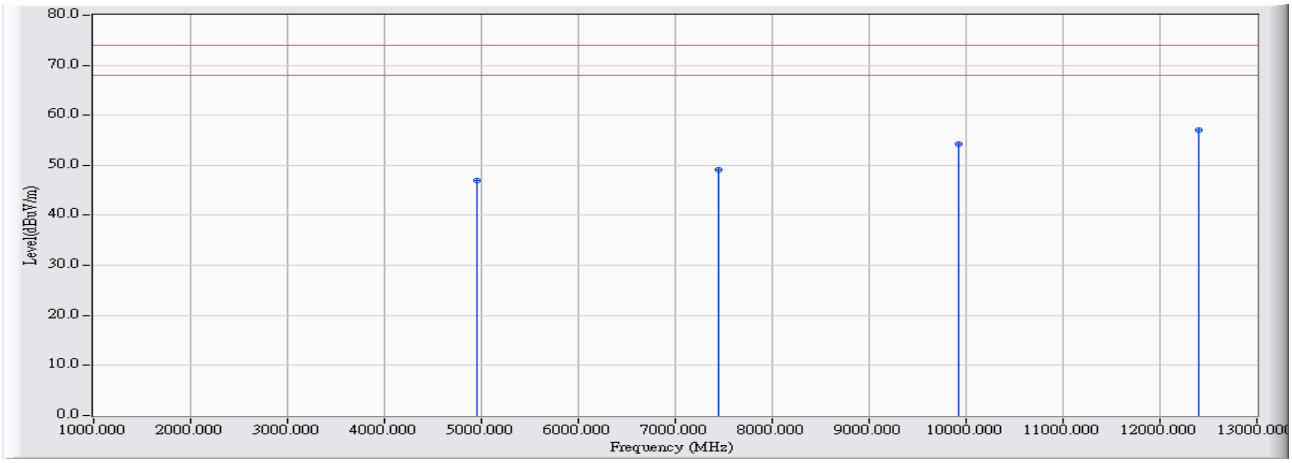
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4881.900	6.738	42.730	49.468	-4.532	54.000	AVERAGE
2		7322.700	14.642	29.710	44.352	-9.648	54.000	AVERAGE
3		12202.400	22.692	19.890	42.581	-11.419	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

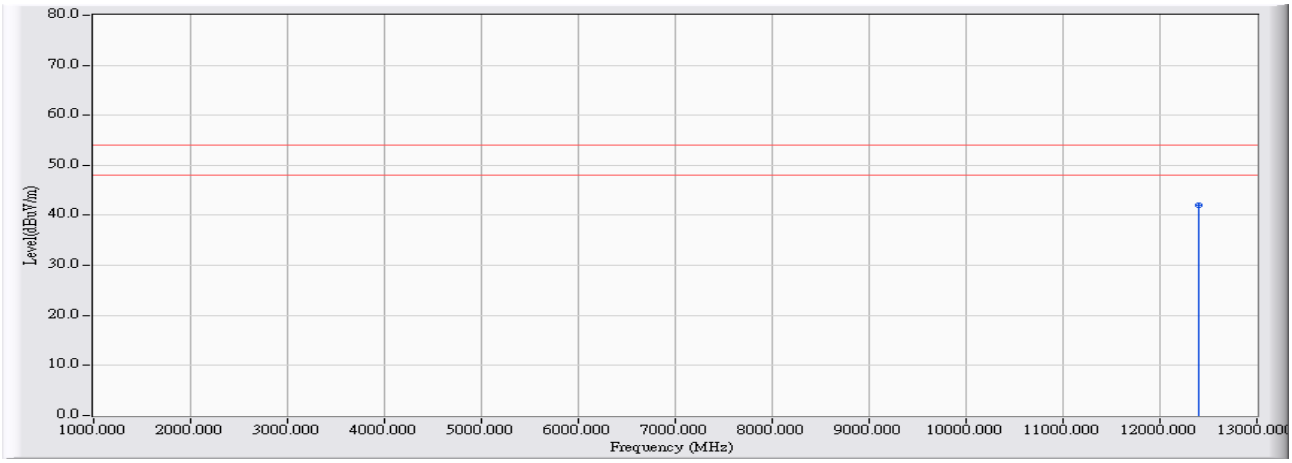
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2480MHz Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4959.600	6.791	40.250	47.041	-26.959	74.000	PEAK
2		7440.700	15.074	34.090	49.165	-24.835	74.000	PEAK
3		9924.300	21.752	32.600	54.353	-19.647	74.000	PEAK
4	*	12397.000	23.582	33.540	57.122	-16.878	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

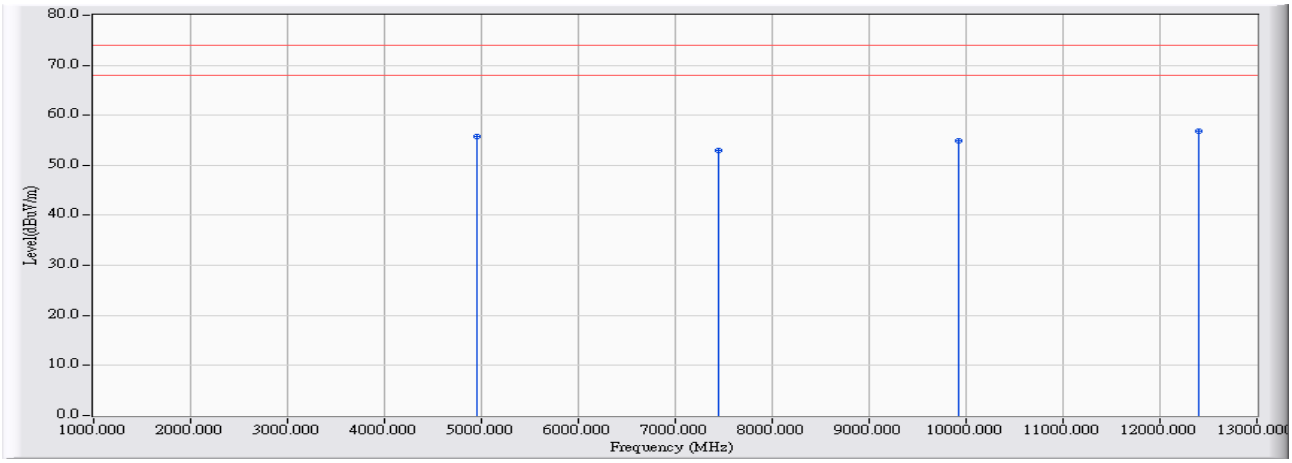
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2480MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	12403.700	23.631	18.470	42.101	-11.899	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

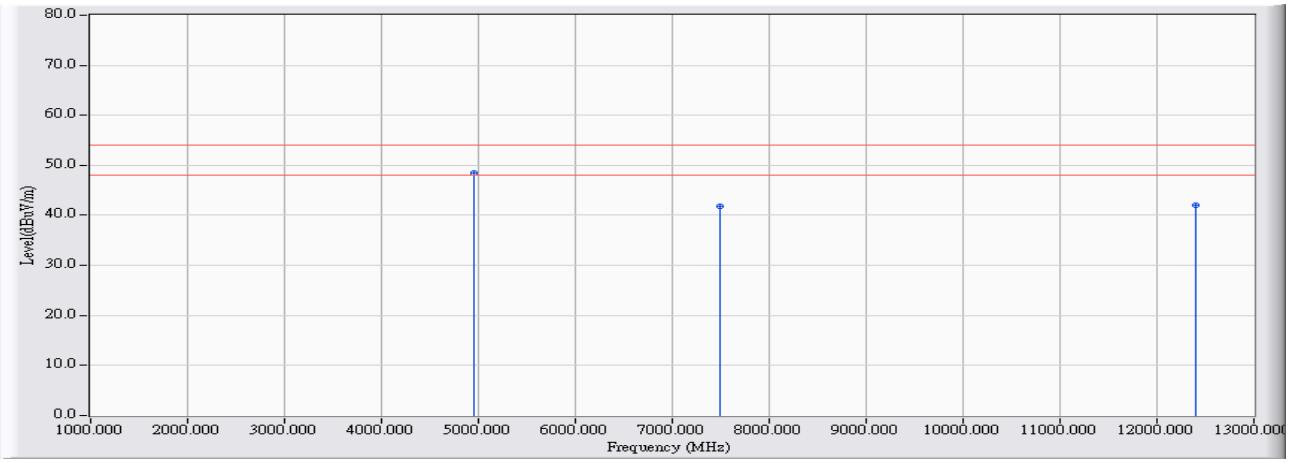
Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2480MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4959.700	6.791	48.880	55.671	-18.329	74.000	PEAK
2		7439.700	15.071	37.900	52.971	-21.029	74.000	PEAK
3		9918.600	21.738	33.210	54.948	-19.052	74.000	PEAK
4	*	12401.500	23.615	33.200	56.815	-17.185	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2480MHz** **Mode 3: Transmit_3DH5**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4959.960	6.792	41.610	48.401	-5.599	54.000	AVERAGE
2		7499.500	15.287	26.460	41.747	-12.253	54.000	AVERAGE
3		12398.400	23.592	18.500	42.092	-11.908	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 = 1MHz, 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 13GHz were not included is because their levels are too low.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipment is used during the test:

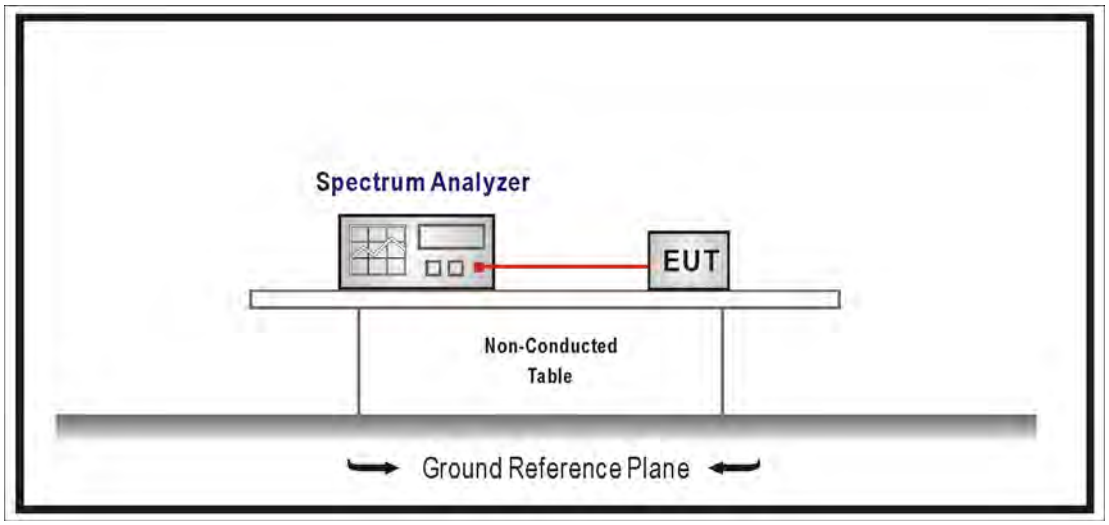
RF antenna conducted test / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25

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

5.2. Test Setup

RF 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 C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Test Specification

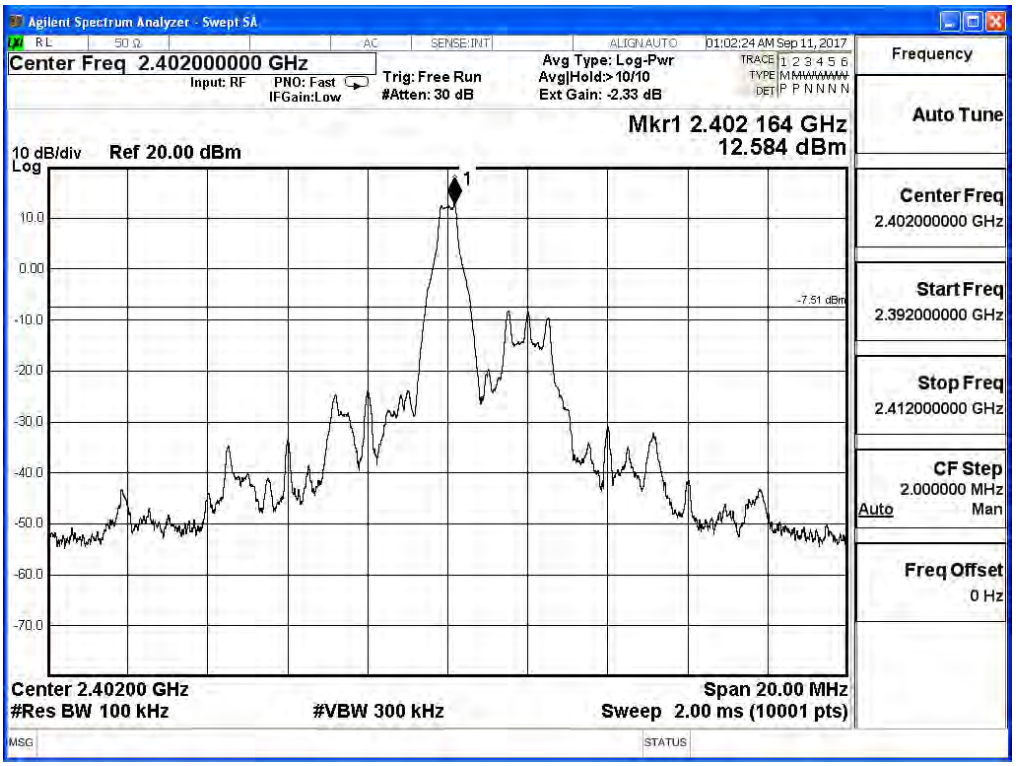
According to FCC Part 15 Subpart C Paragraph 15.247: 2016

5.6. Test Result

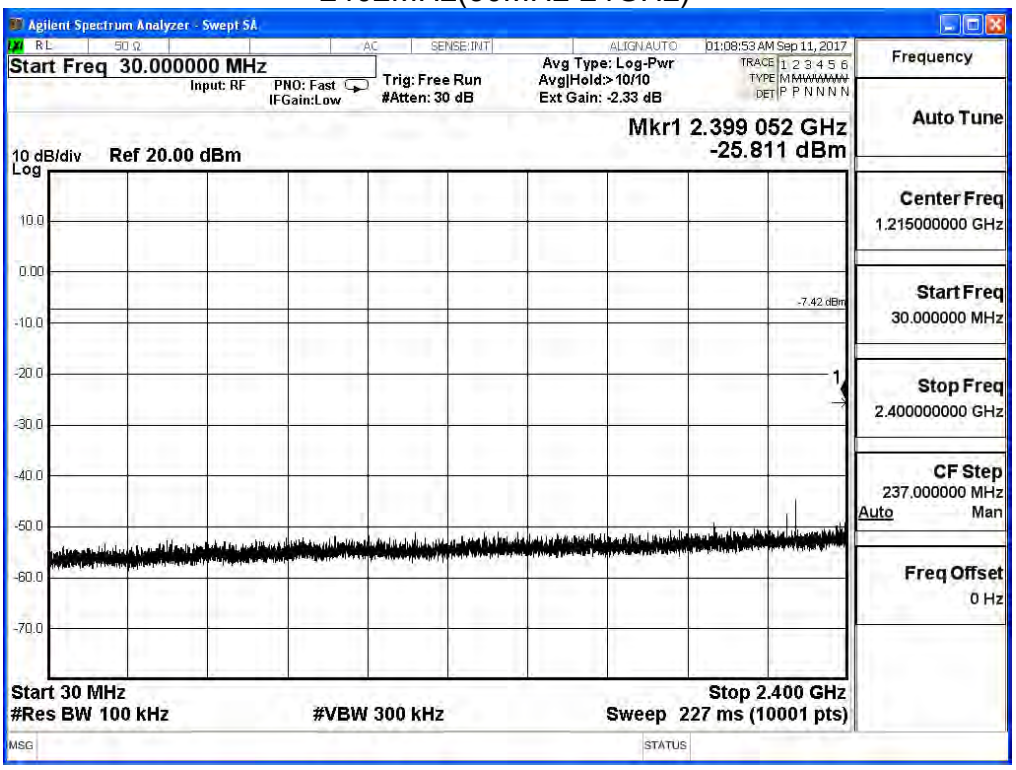
Product	BK-T1		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit_DH5		
Date of Test	2017/09/11	Test Site	SR10-H

GFSK

2402MHz

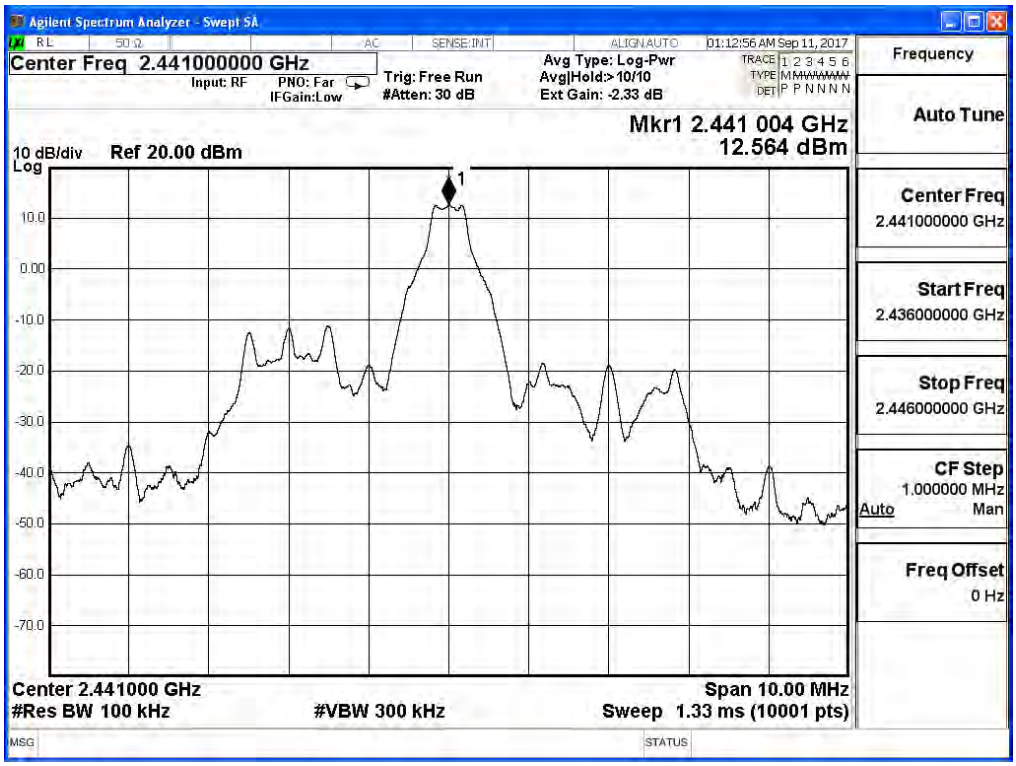


2402MHz(30MHz-24GHz)

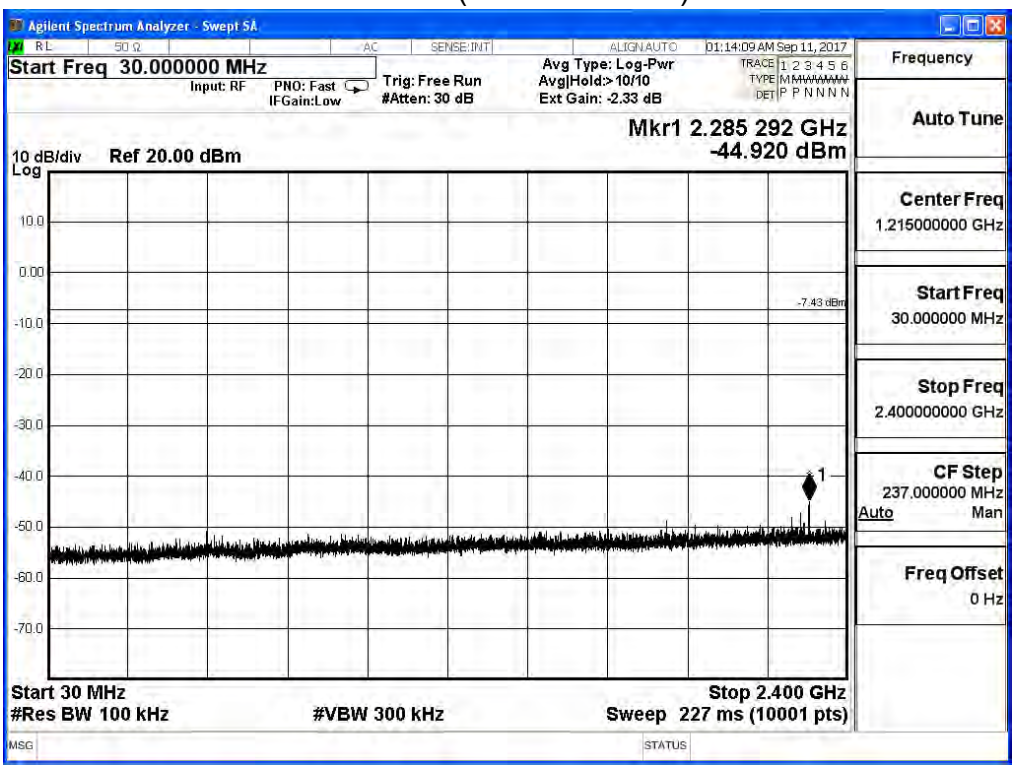


2402MHz (24.835GHz-25GHz)

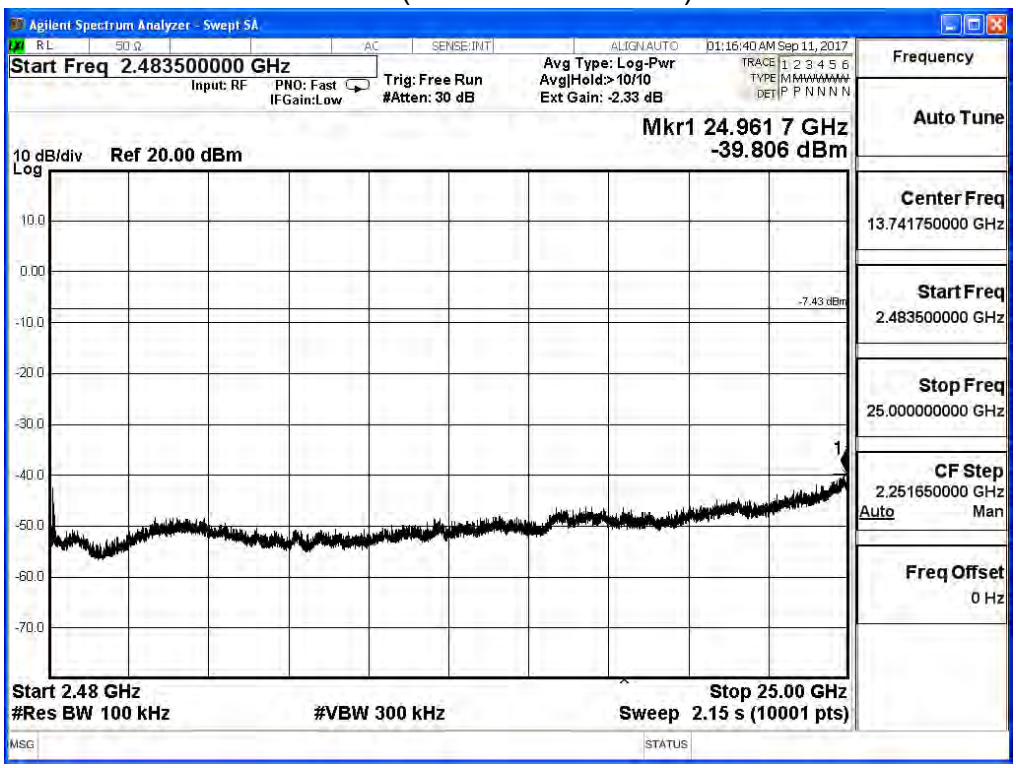
2441MHz



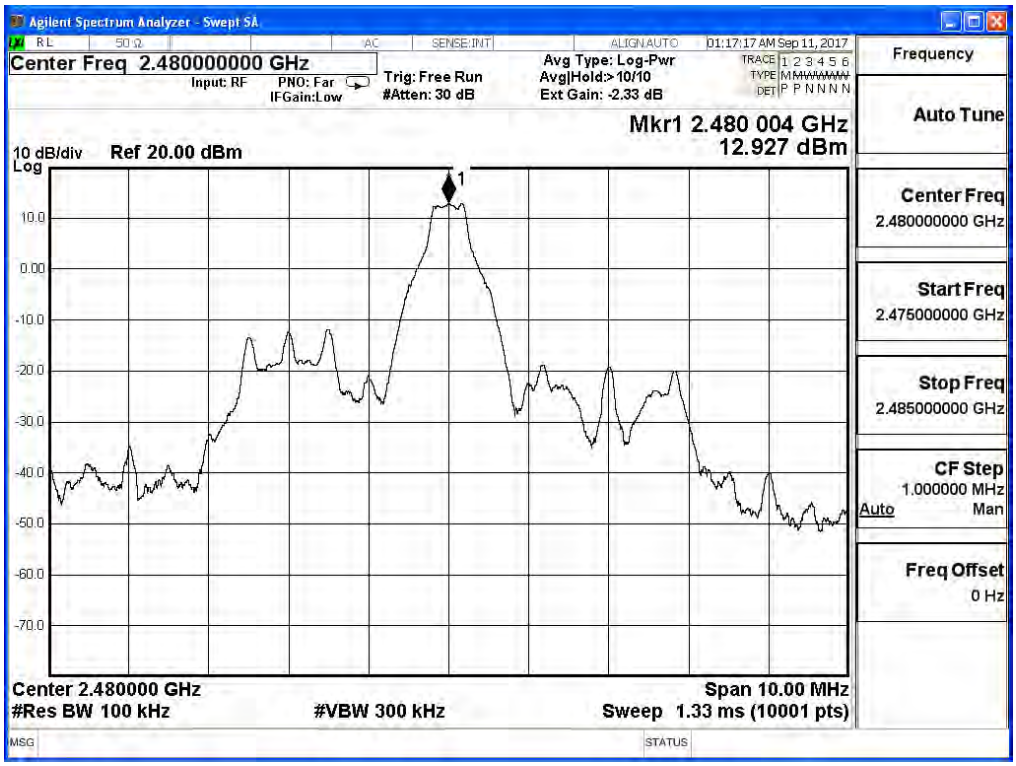
2441MHz(30MHz-24GHz)



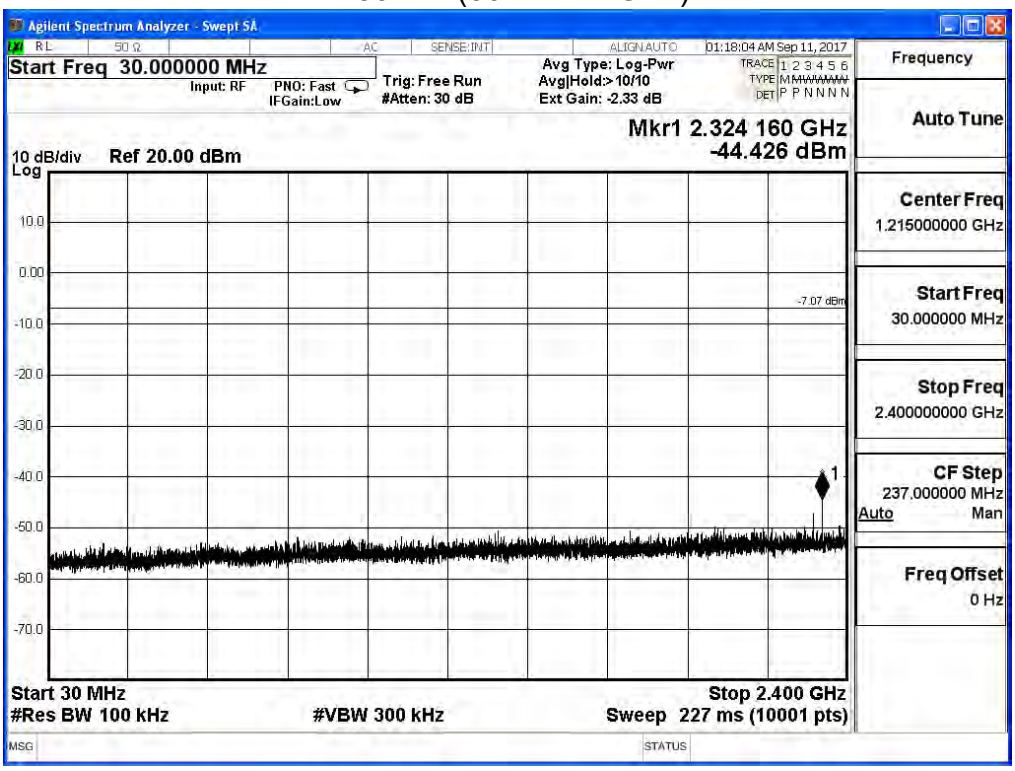
2441MHz (24.835GHz-25GHz)



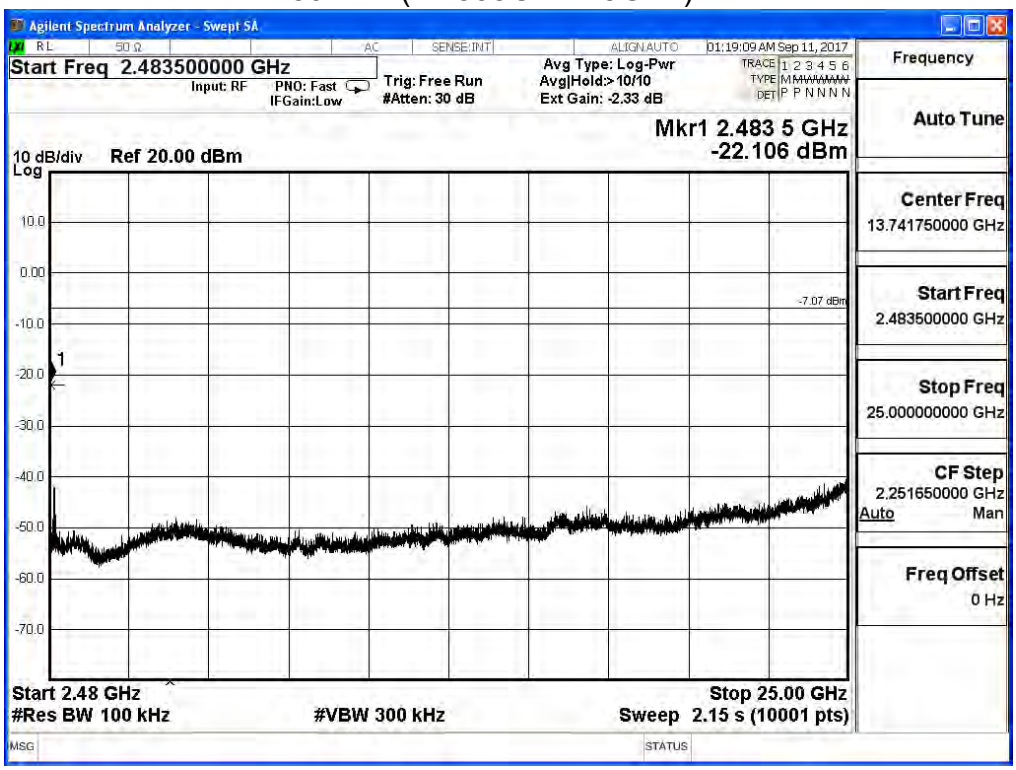
2480MHz



2480MHz(30MHz-24GHz)



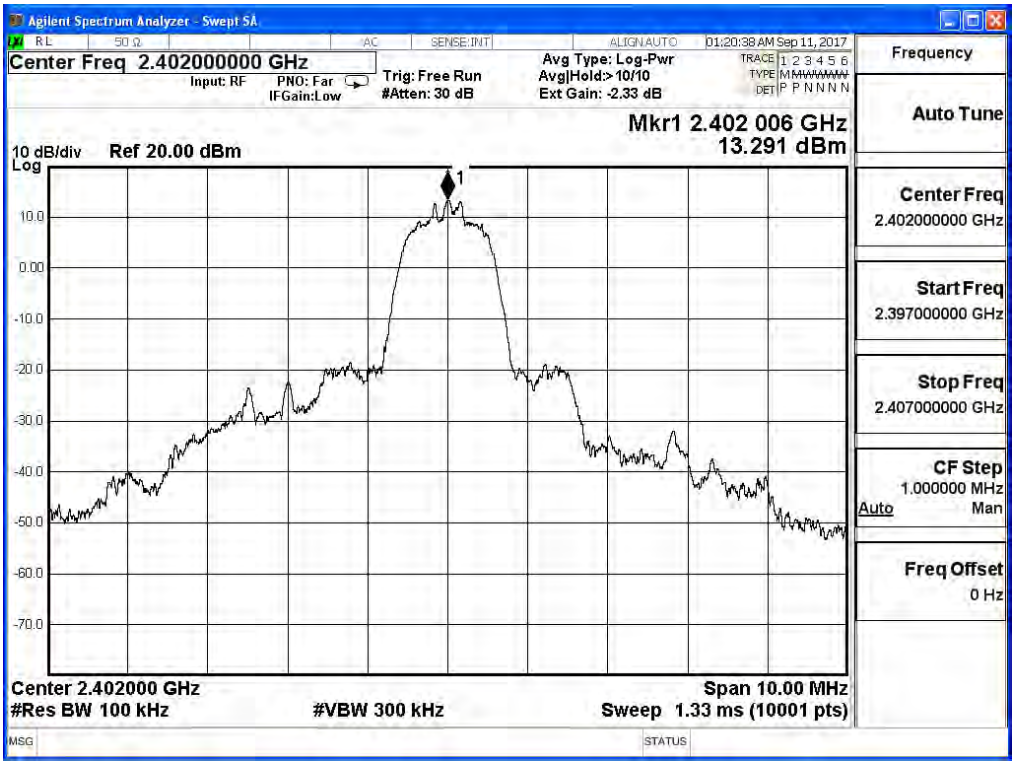
2480MHz (24.835GHz-25GHz)



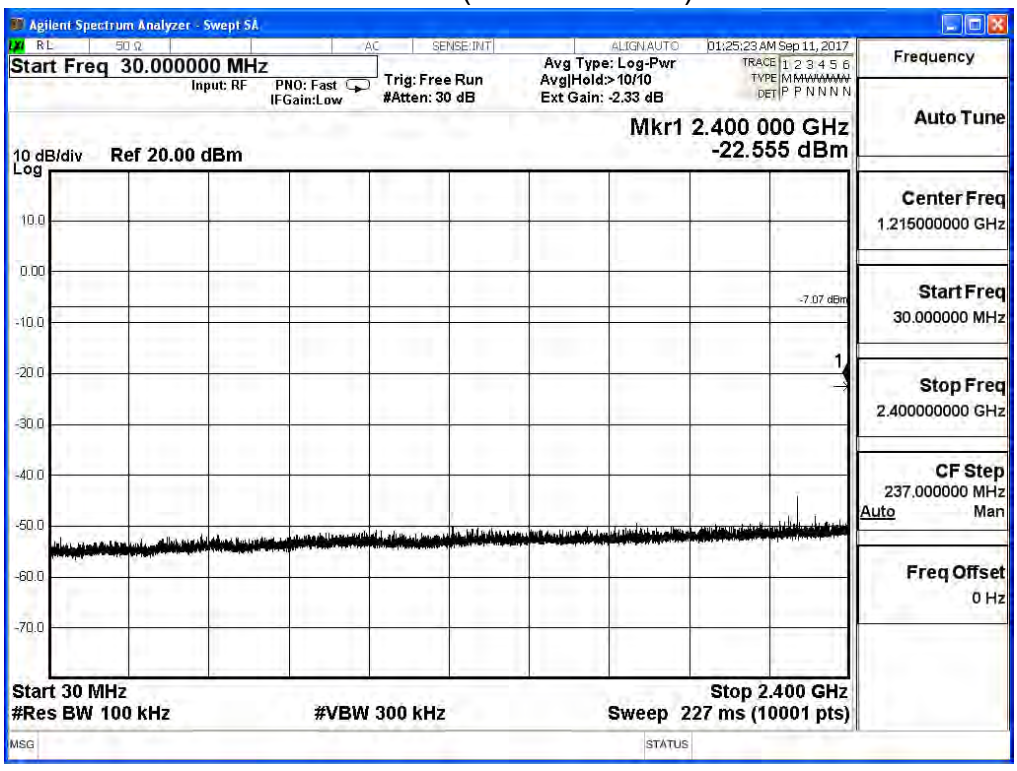
Product	BK-T1		
Test Item	RF antenna conducted test		
Test Mode	Mode 2: Transmit_2DH5		
Date of Test	2017/09/11	Test Site	SR10-H

π/4-DQPSK

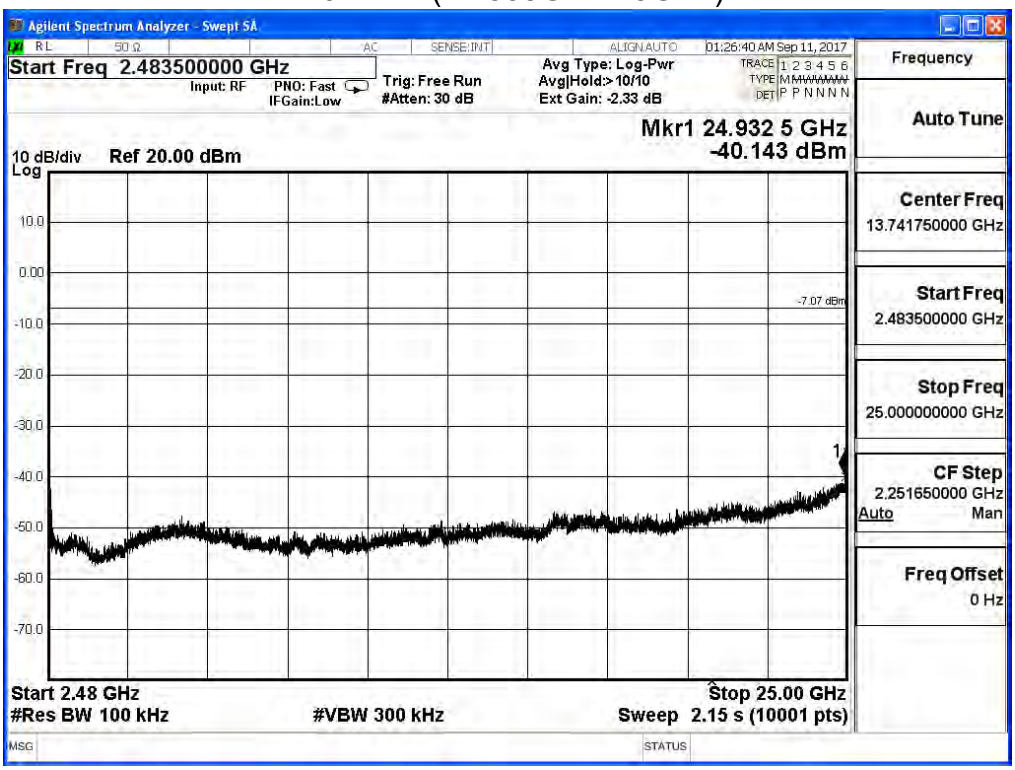
2402MHz



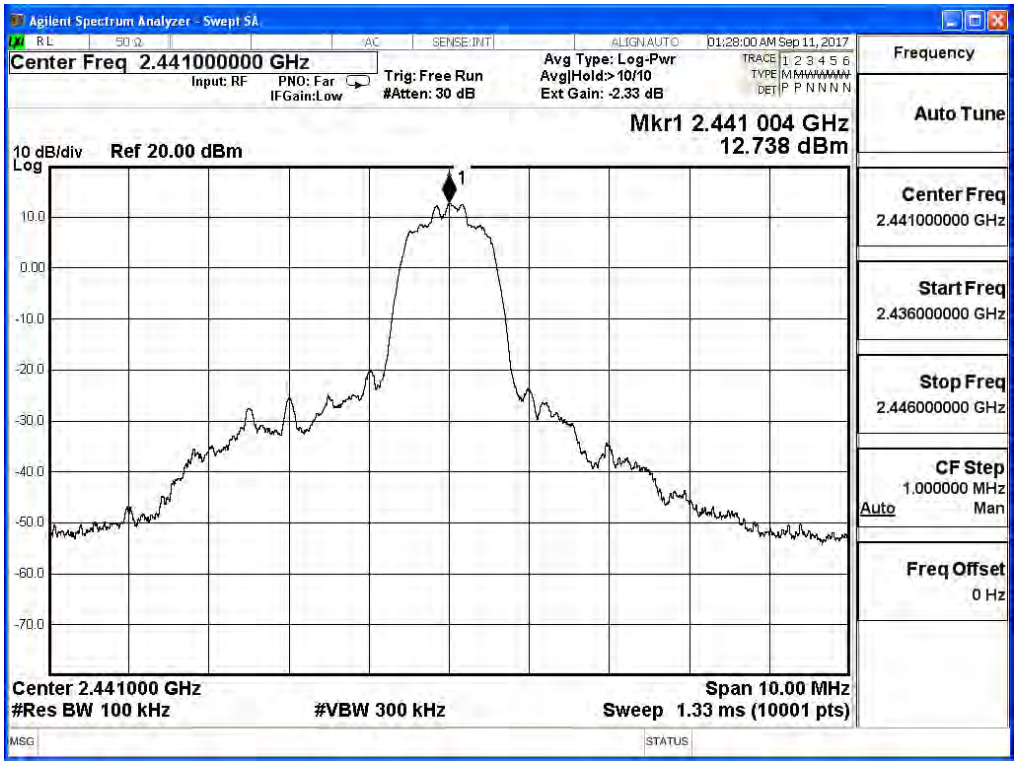
2402MHz(30MHz-24GHz)



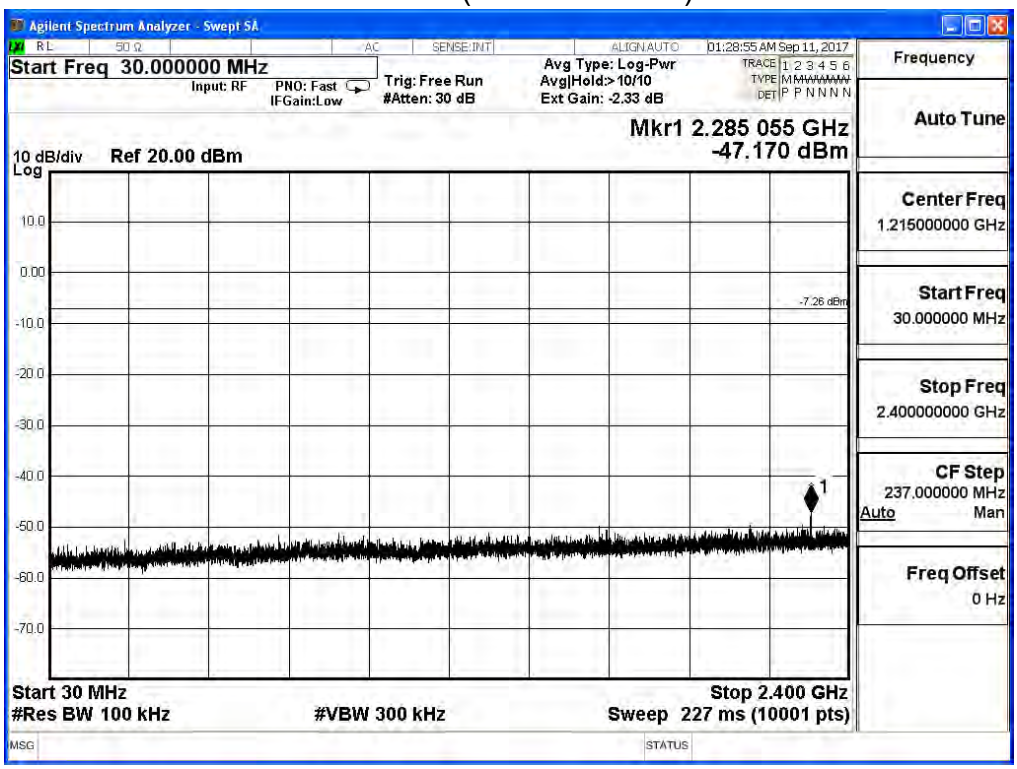
2402MHz (24.835GHz-25GHz)



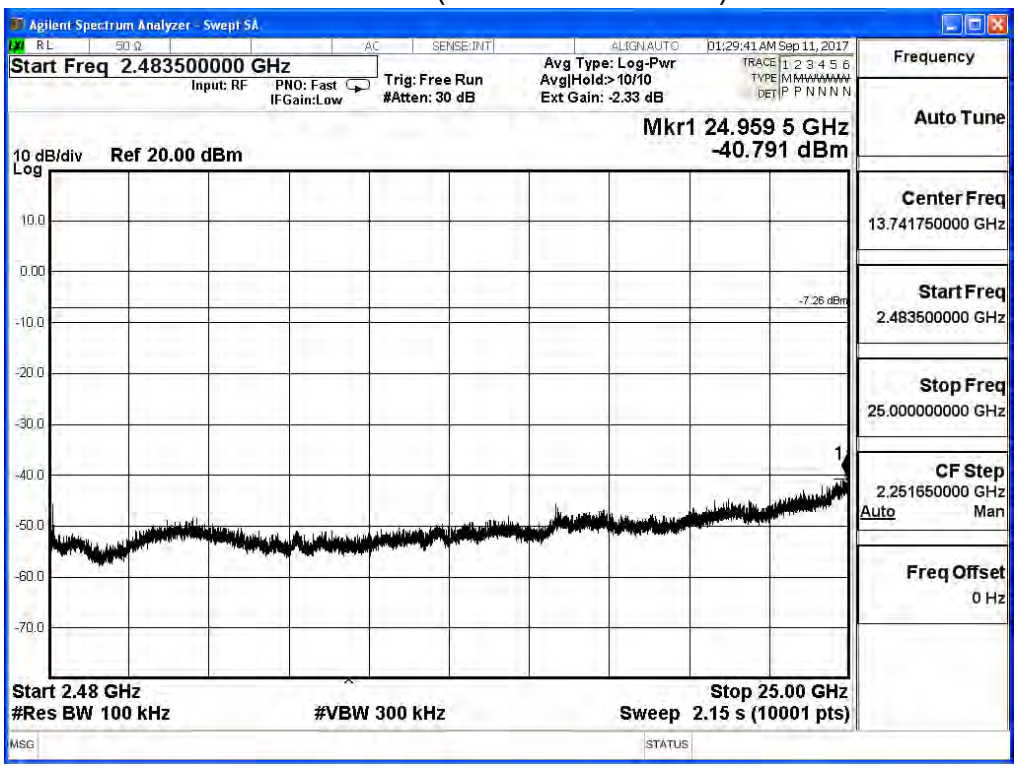
2441MHz



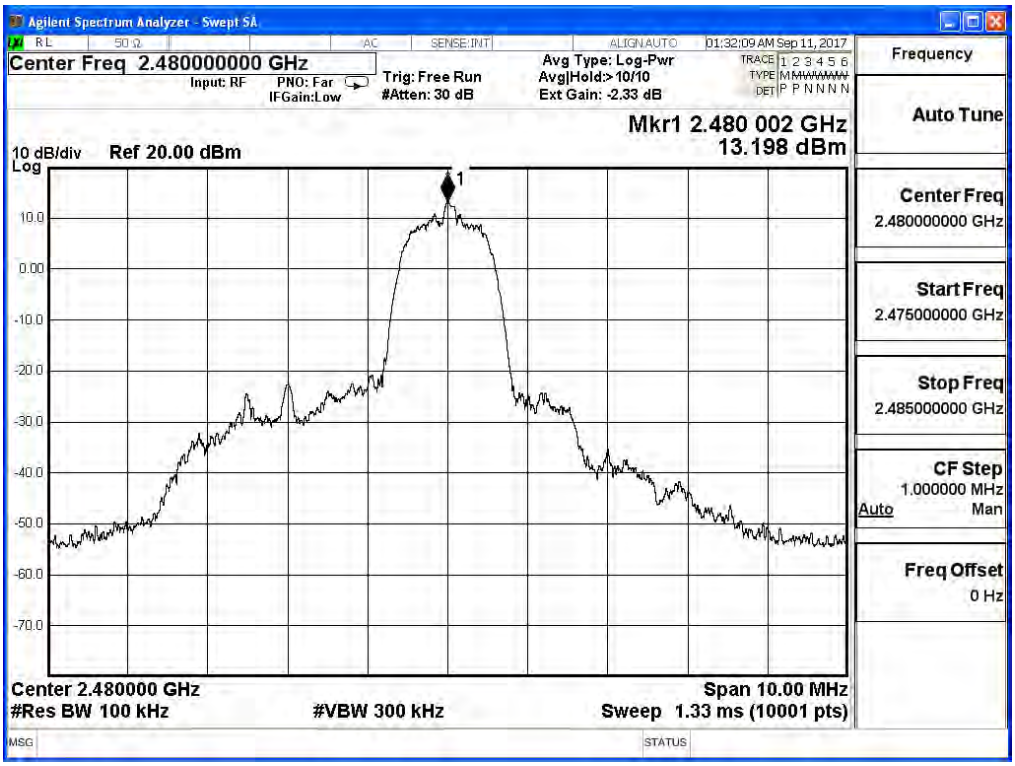
2441MHz(30MHz-24GHz)



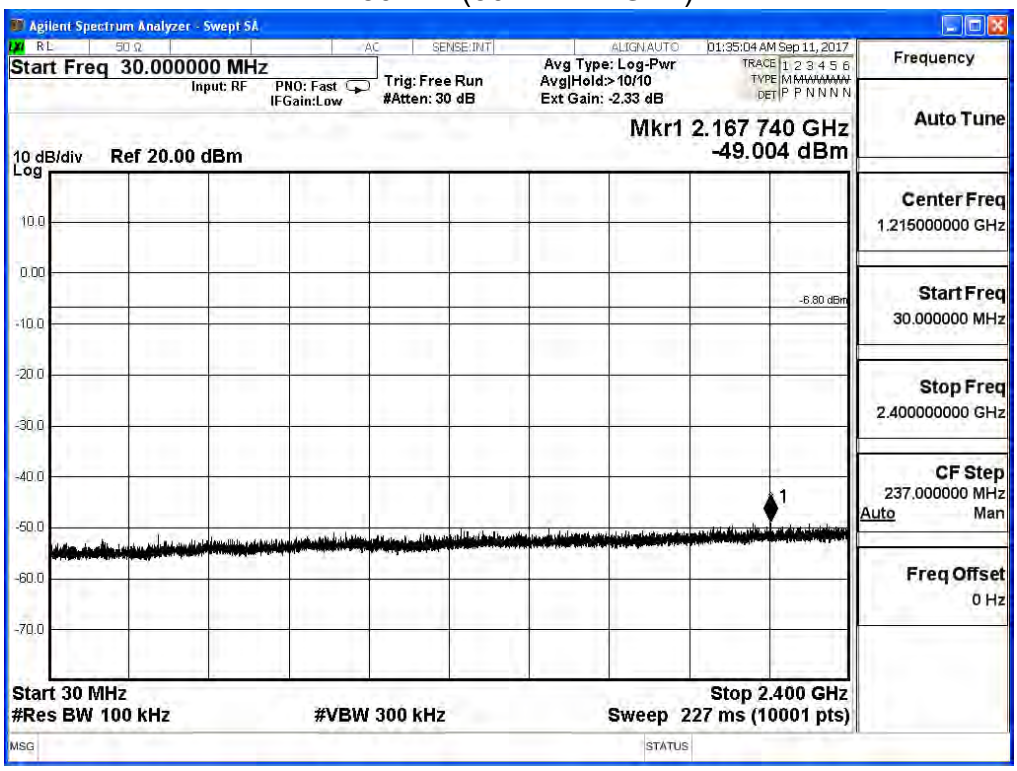
2441MHz (24.835GHz-25GHz)



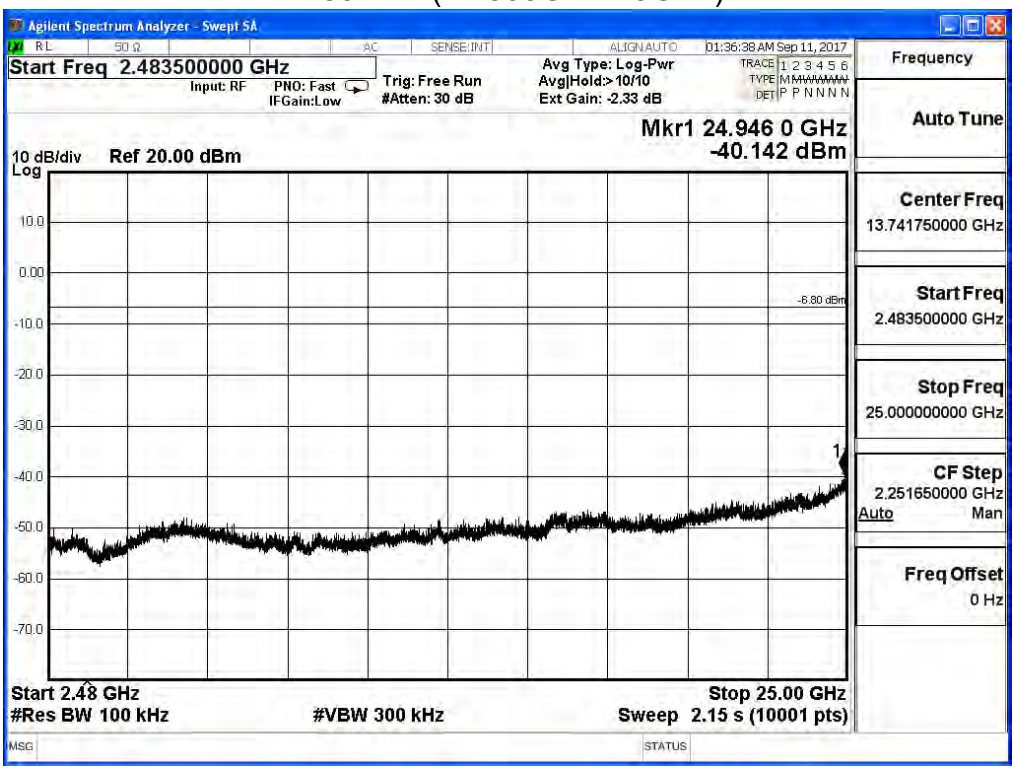
2480MHz



2480MHz(30MHz-24GHz)



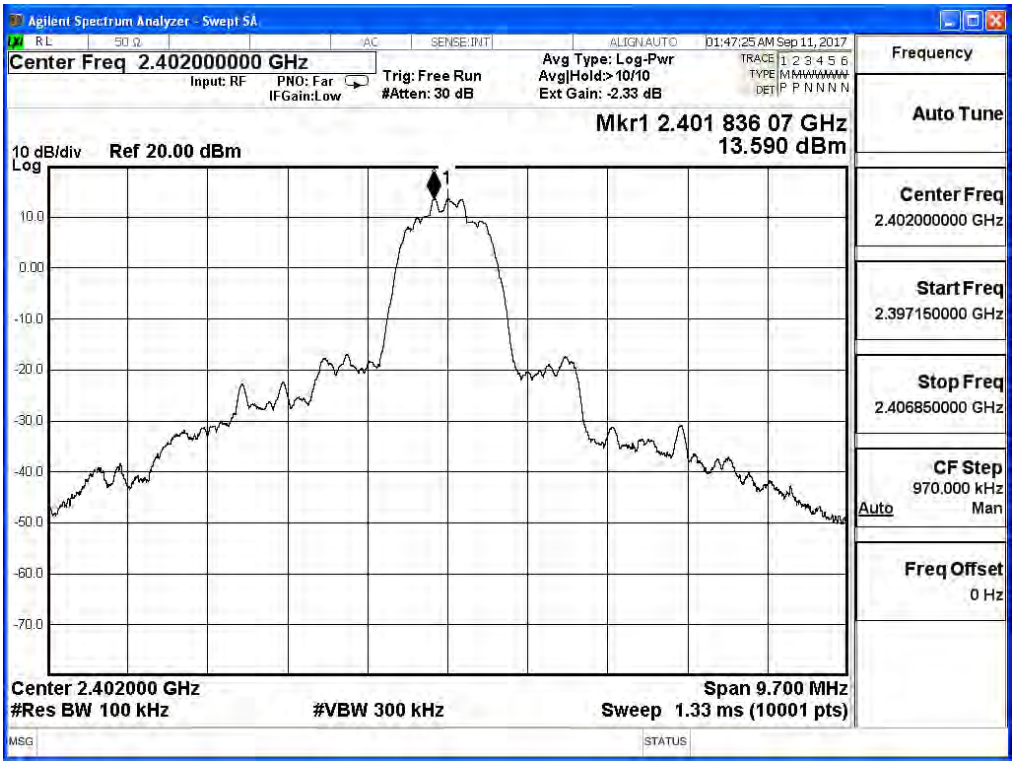
2480MHz (24.835GHz-25GHz)



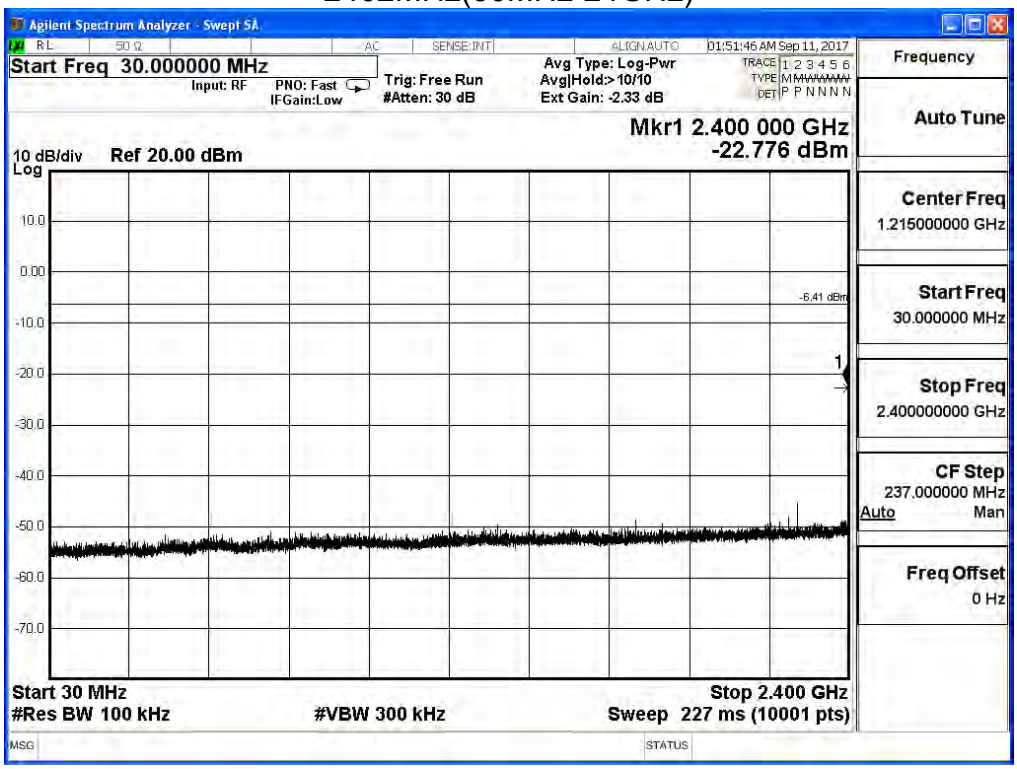
Product	BK-T1		
Test Item	RF antenna conducted test		
Test Mode	Mode 3: Transmit_3DH5		
Date of Test	2017/08/09	Test Site	SR10-H

8-DPSK

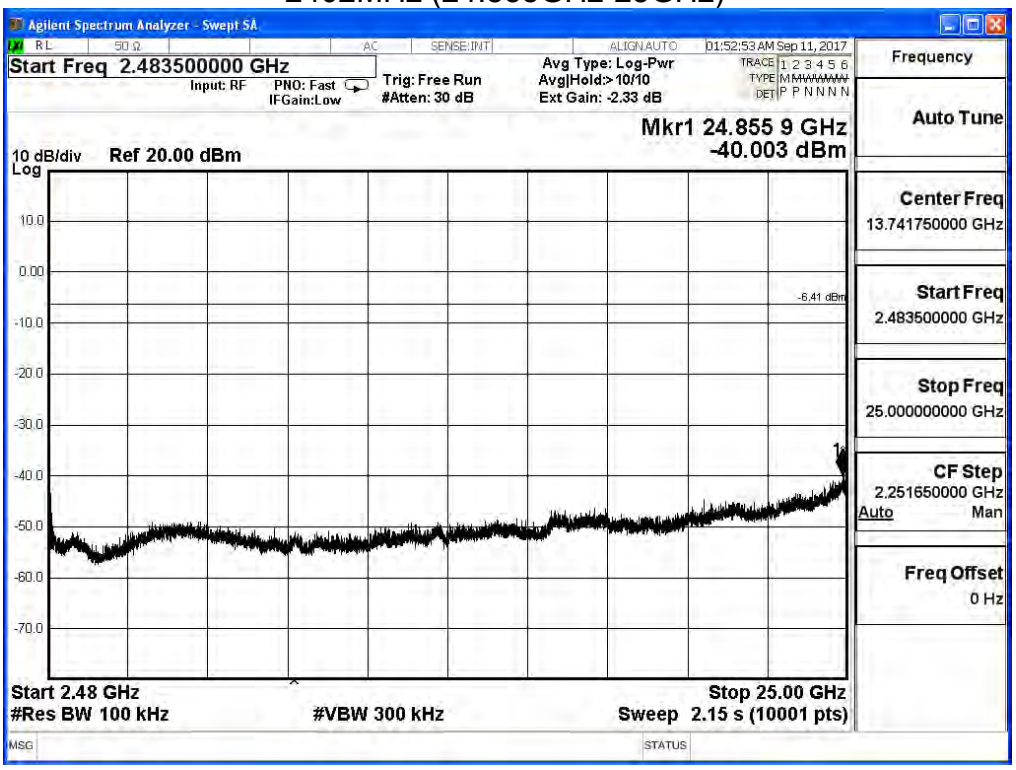
2402MHz



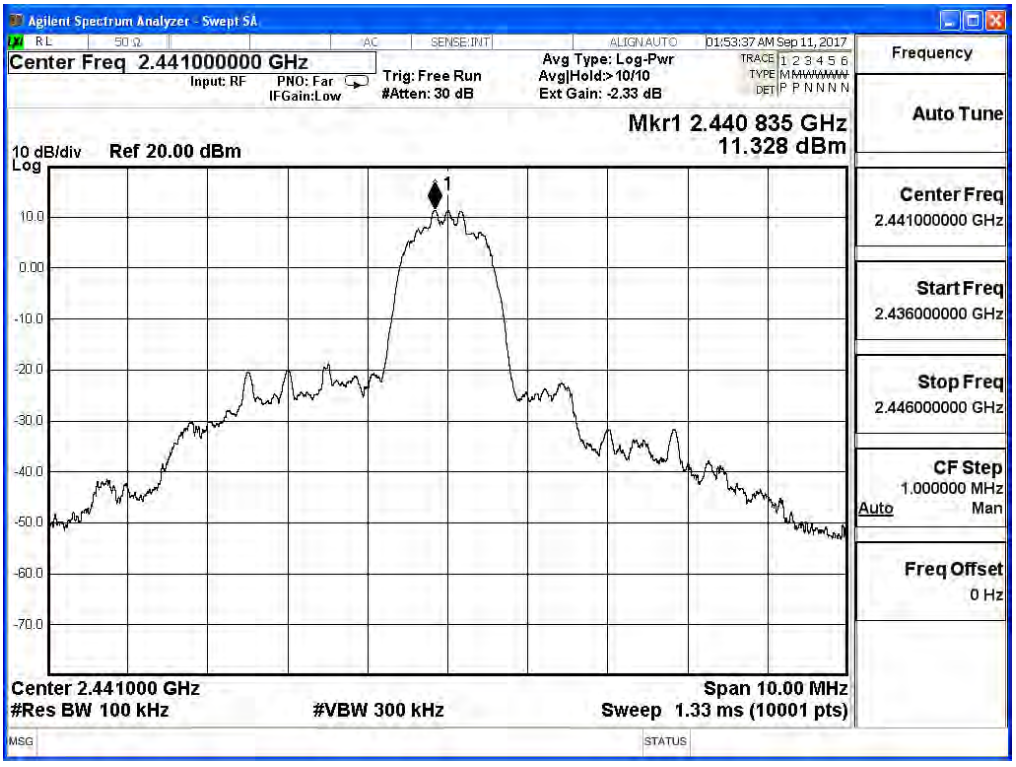
2402MHz(30MHz-24GHz)



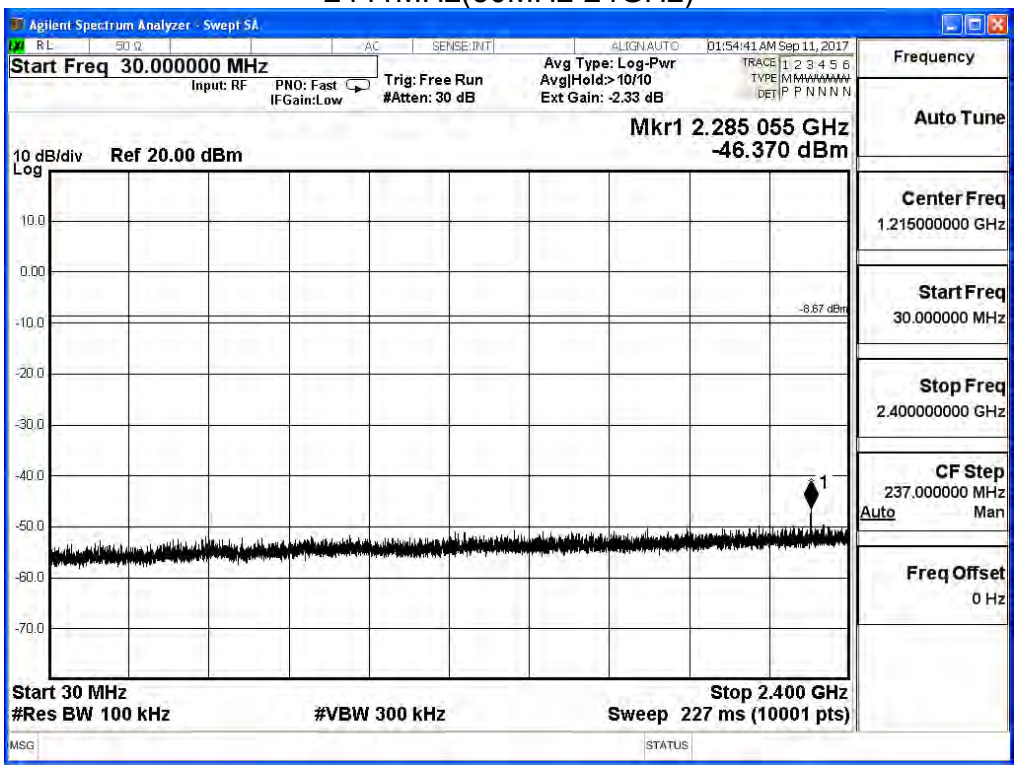
2402MHz (24.835GHz-25GHz)



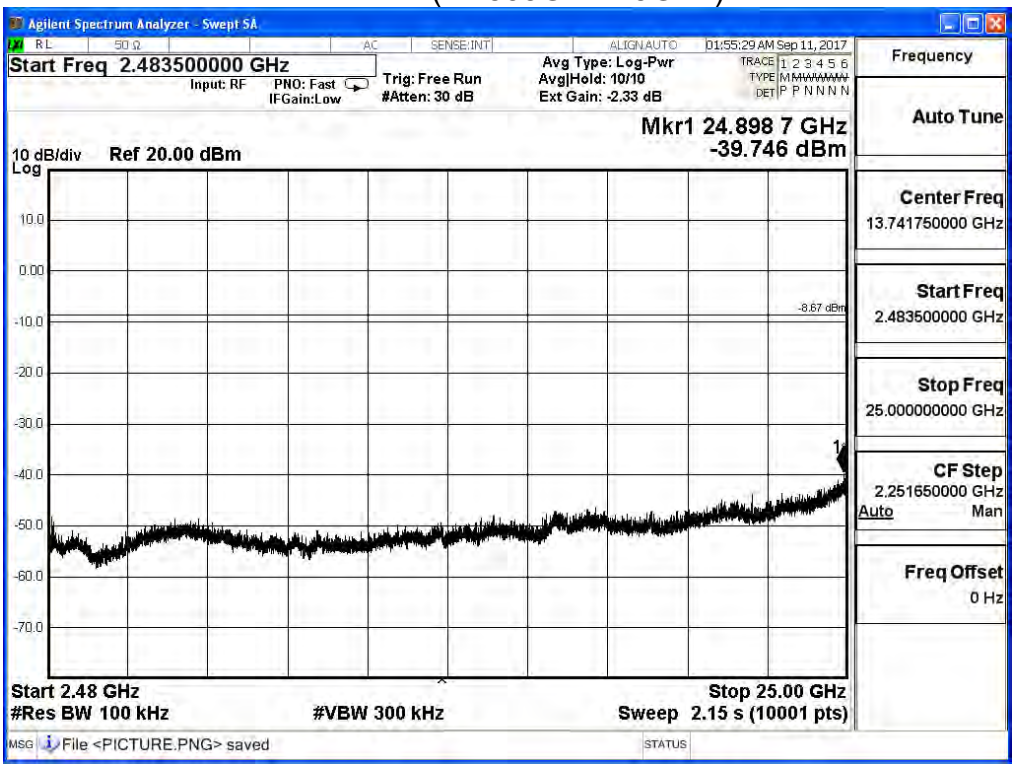
2441MHz



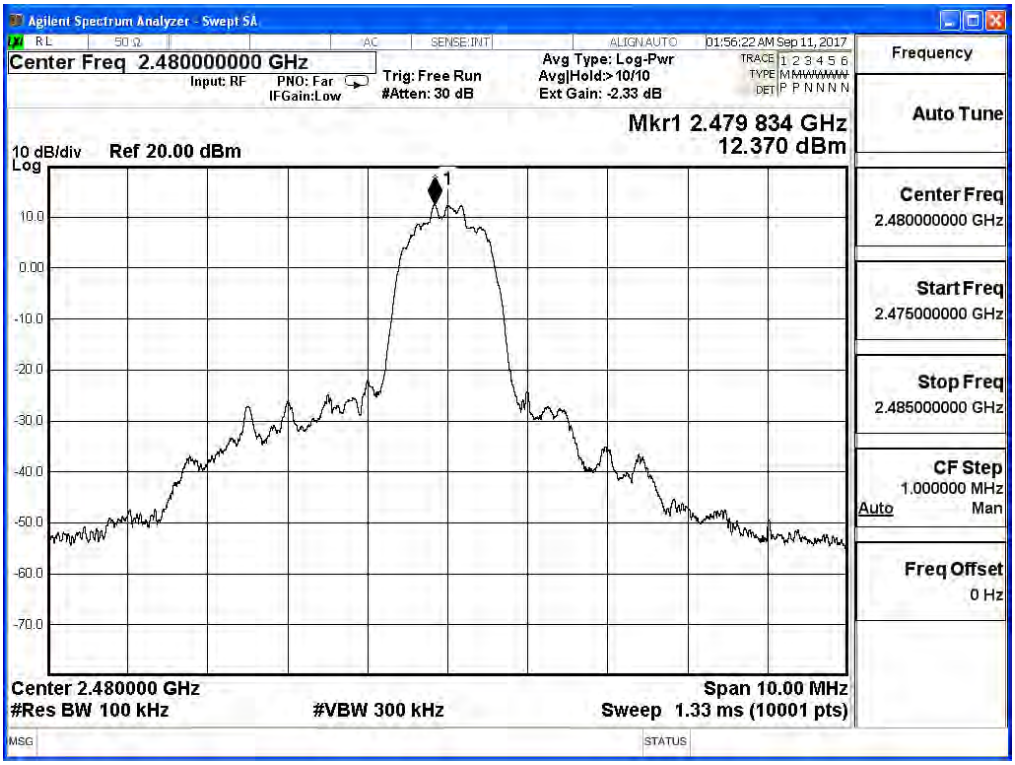
2441MHz(30MHz-24GHz)



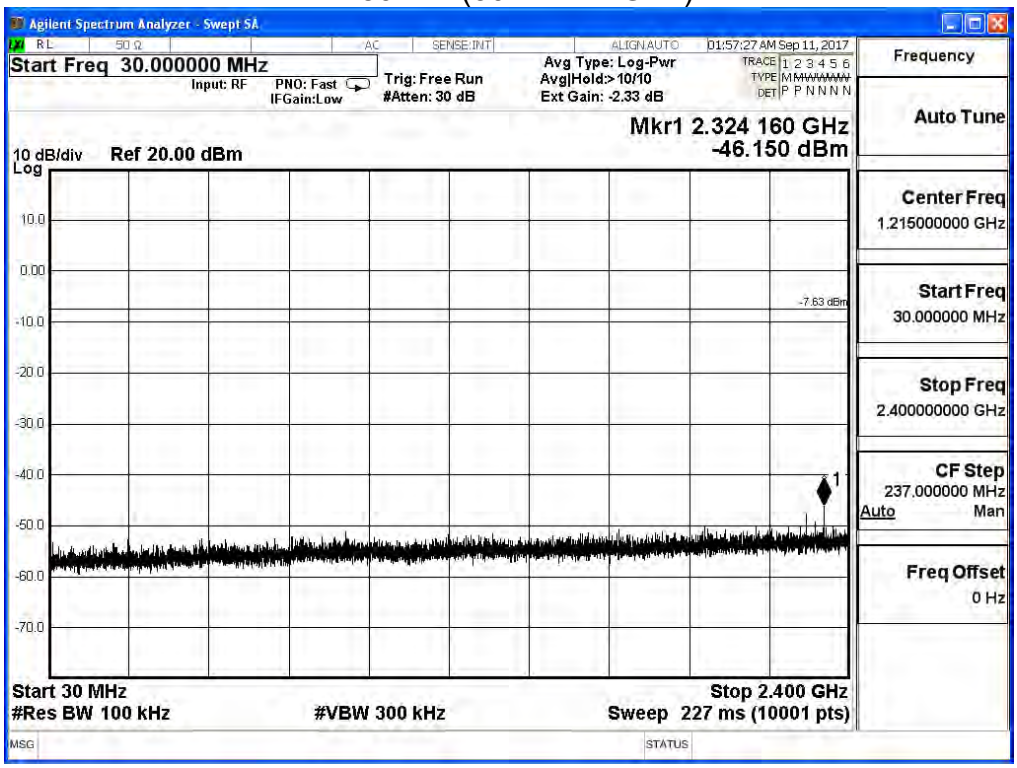
2441MHz (24.835GHz-25GHz)



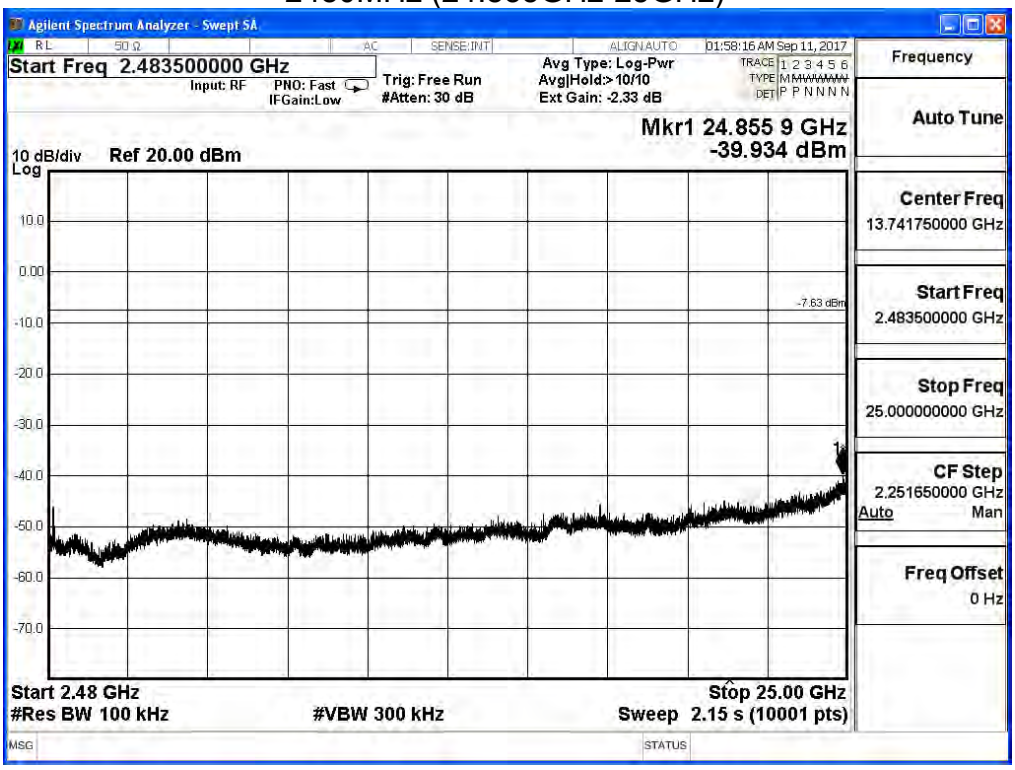
2480MHz



2480MHz(30MHz-24GHz)



2480MHz (24.835GHz-25GHz)



6. Band Edge

6.1. Test Equipment

The following test equipment are used during the test:

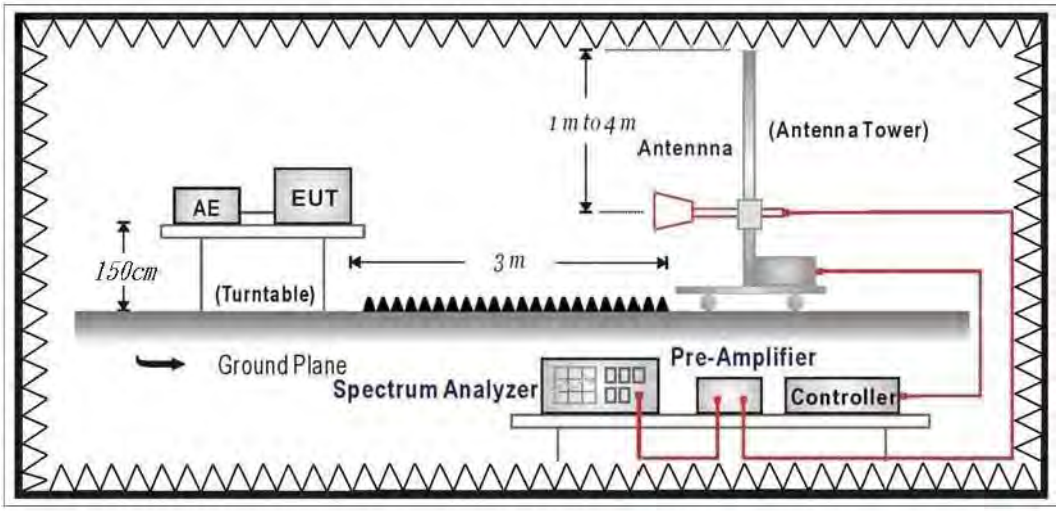
Band Edge / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2016/11/28	2017/11/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	203	2016/08/29	2017/08/28
Pre-Amplifier	RF Bay Inc.	LNA-1330	12162511	2017/03/09	2018/03/08
Pre-Amplifier	EMCI	EMCI 1830I	980366	2017/01/23	2018/01/22
Pre-Amplifier	MITEQ	JS44-45-8P	2014754	2016/12/26	2017/12/25

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

6.2. Test Setup

RF Radiated Measurement:



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 C63.10: 2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

The EUT and its simulators are placed on a turn table which is 1.5 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.

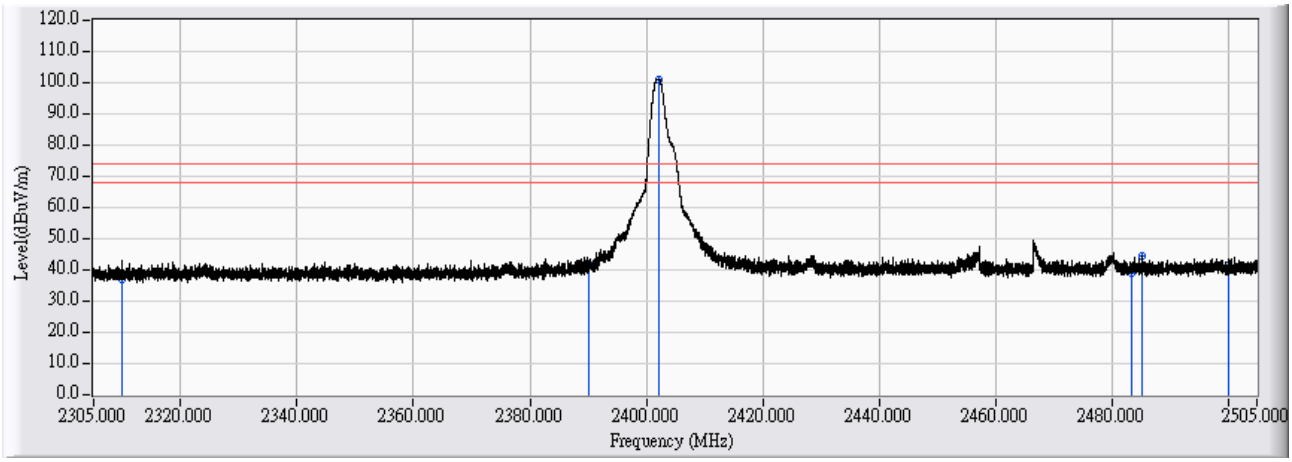
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2016

6.6. Test Result

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2402MHz** **Mode 1: Transmit_DH5**

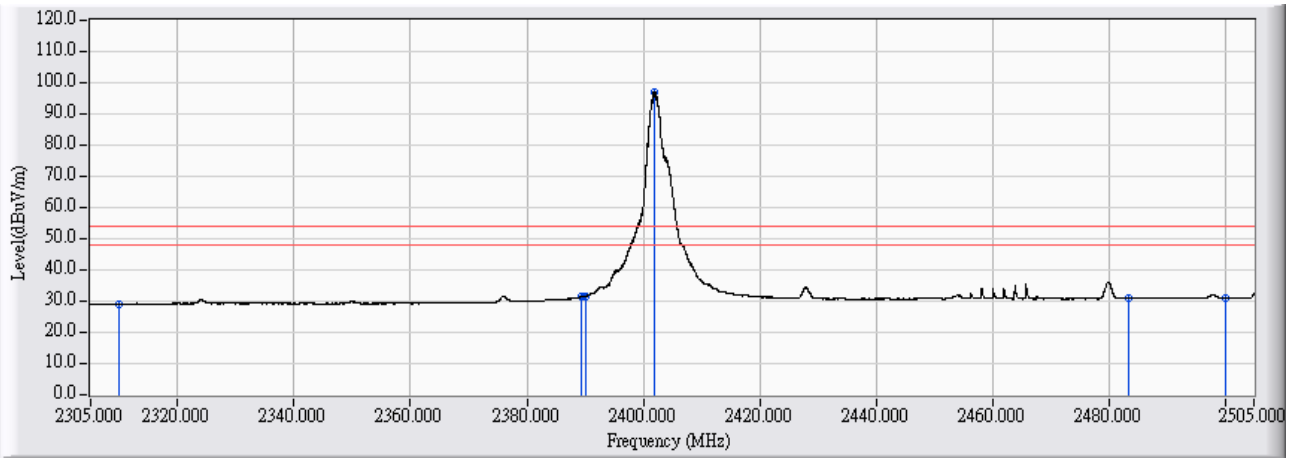


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	26.107	37.122	-36.878	74.000	PEAK
2		2390.000	11.544	30.684	42.228	-31.772	74.000	PEAK
3	*	2402.170	11.626	89.598	101.223	27.223	74.000	PEAK
4		2483.500	12.172	26.772	38.944	-35.056	74.000	PEAK
5		2485.282	12.184	32.119	44.303	-29.697	74.000	PEAK
6		2500.000	12.274	29.323	41.598	-32.402	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2402MHz** **Mode 1: Transmit_DH5**

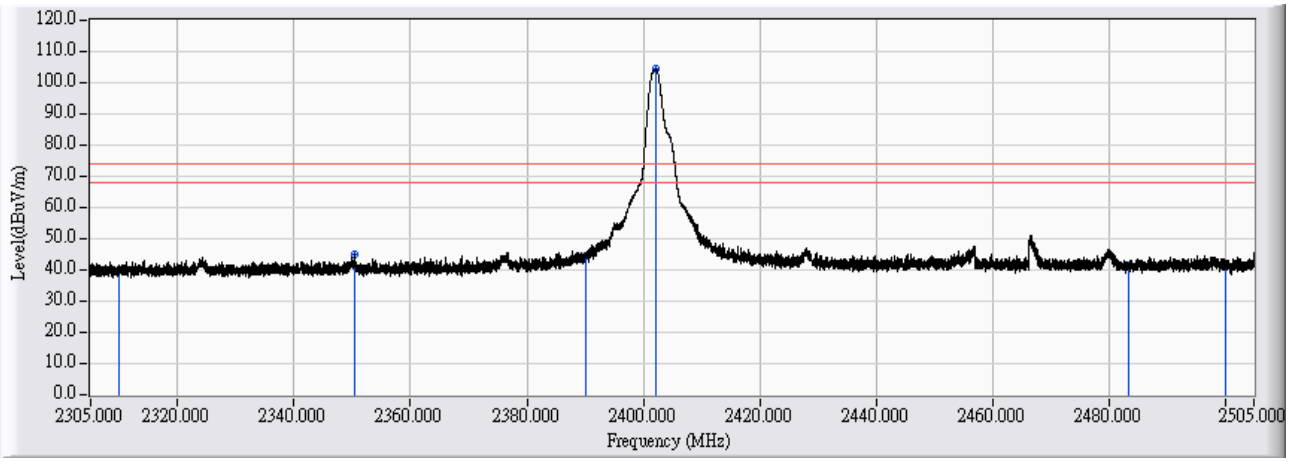


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.130	29.145	-24.855	54.000	AVERAGE
2		2389.231	11.538	19.772	31.311	-22.689	54.000	AVERAGE
3		2390.000	11.544	20.014	31.558	-22.442	54.000	AVERAGE
4	*	2401.910	11.623	85.515	97.139	43.139	54.000	AVERAGE
5		2483.500	12.172	18.659	30.831	-23.169	54.000	AVERAGE
6		2500.000	12.274	18.731	31.006	-22.994	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2402MHz** **Mode 1: Transmit_DH5**

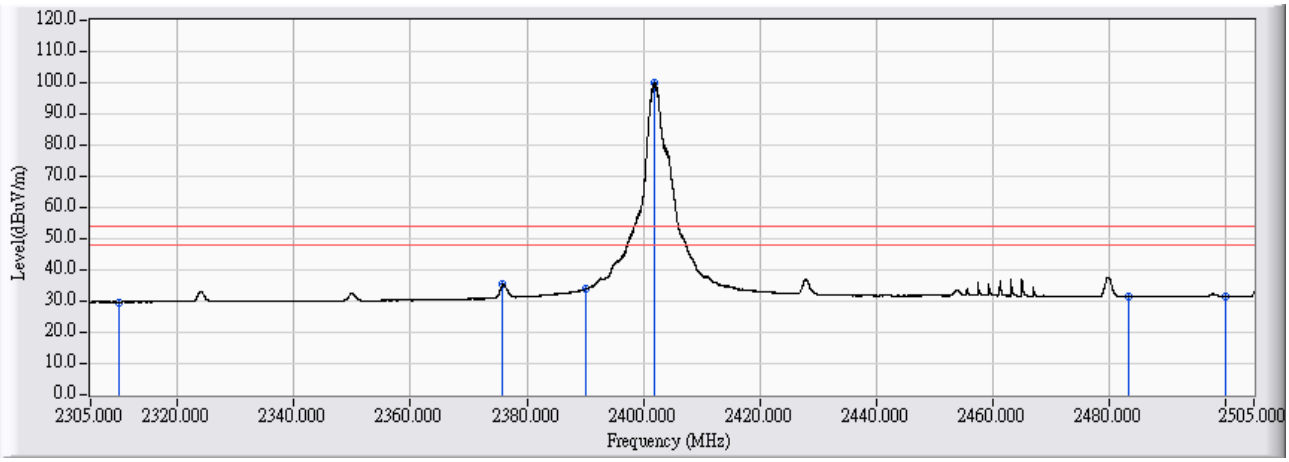


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	28.758	39.773	-34.227	74.000	PEAK
2		2350.315	11.281	33.530	44.811	-29.189	74.000	PEAK
3		2390.000	11.544	32.878	44.422	-29.578	74.000	PEAK
4	*	2402.170	11.626	92.735	104.360	30.360	74.000	PEAK
5		2483.500	12.172	29.118	41.290	-32.710	74.000	PEAK
6		2500.000	12.274	28.478	40.753	-33.247	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2402MHz** **Mode 1: Transmit_DH5**

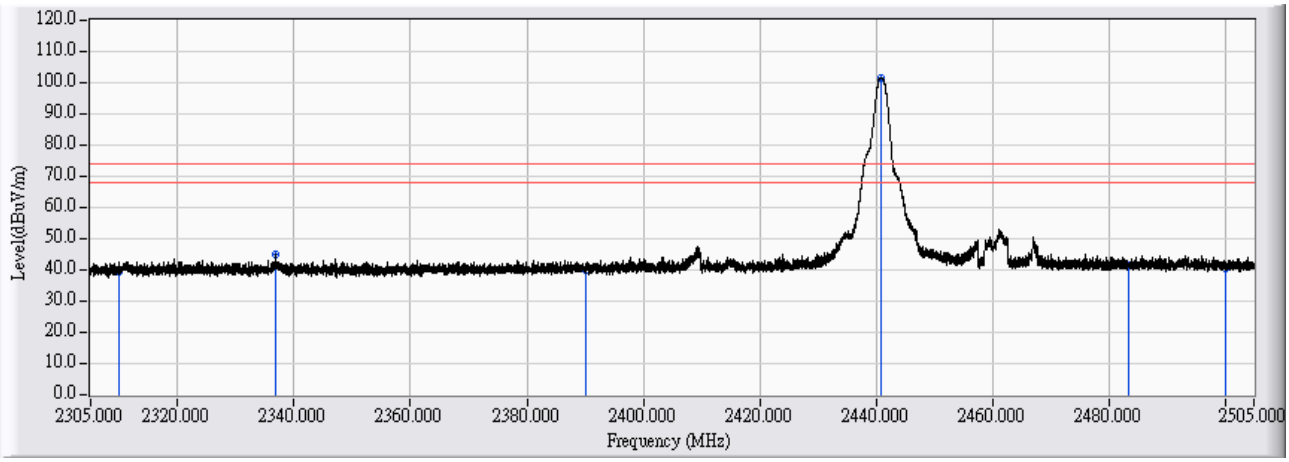


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.665	29.680	-24.320	54.000	AVERAGE
2		2375.873	11.450	23.874	35.324	-18.676	54.000	AVERAGE
3		2390.000	11.544	22.225	33.769	-20.231	54.000	AVERAGE
4	*	2401.990	11.623	88.582	100.206	46.206	54.000	AVERAGE
5		2483.500	12.172	19.174	31.346	-22.654	54.000	AVERAGE
6		2500.000	12.274	19.187	31.462	-22.538	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**

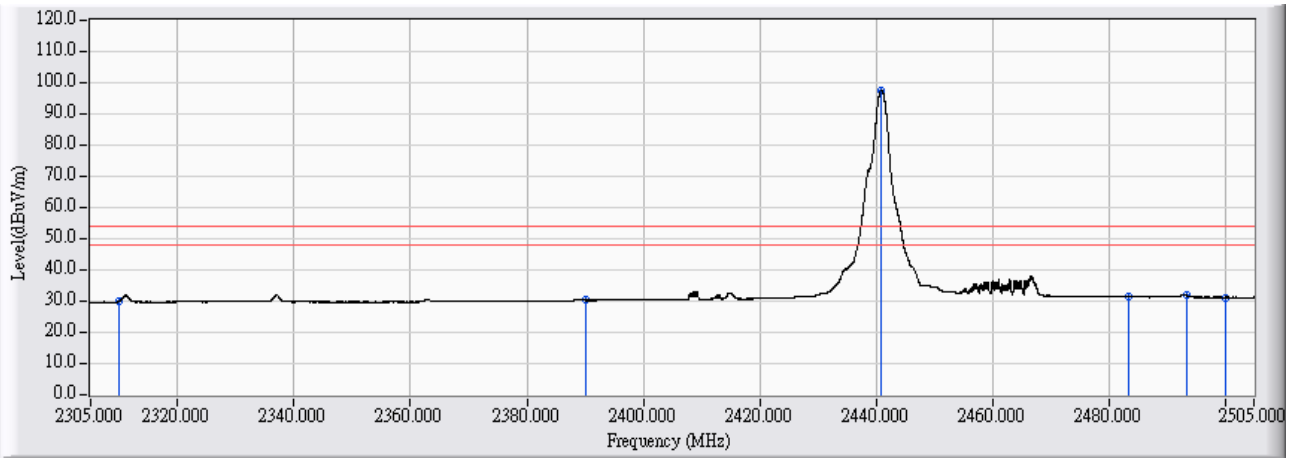


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	28.653	39.668	-34.332	74.000	PEAK
2		2336.697	11.191	33.563	44.754	-29.246	74.000	PEAK
3		2390.000	11.544	28.680	40.224	-33.776	74.000	PEAK
4	*	2440.826	11.886	89.859	101.744	27.744	74.000	PEAK
5		2483.500	12.172	29.141	41.313	-32.687	74.000	PEAK
6		2500.000	12.274	28.278	40.553	-33.447	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**

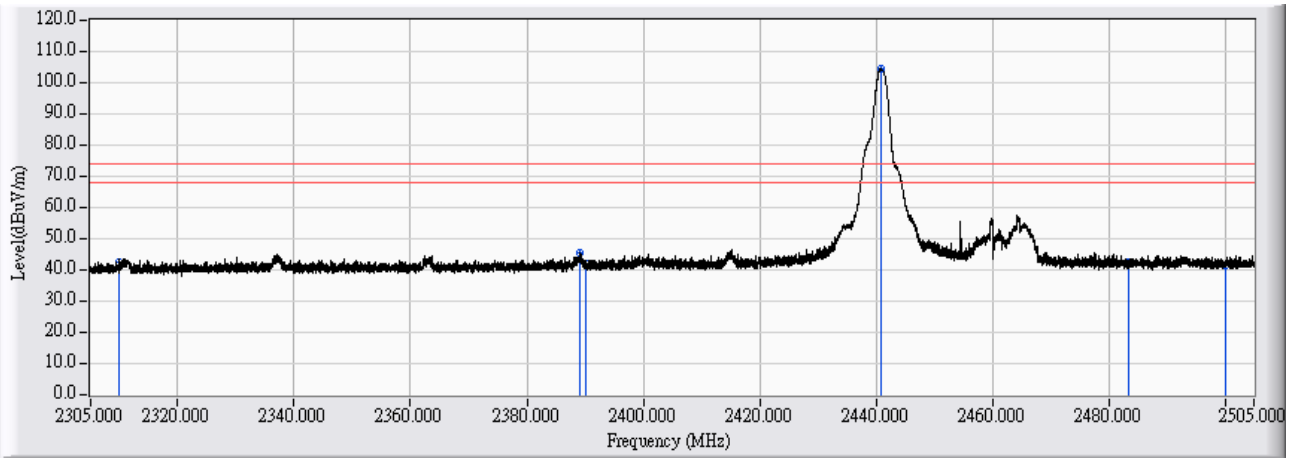


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.990	30.005	-23.995	54.000	AVERAGE
2		2390.000	11.544	18.757	30.301	-23.699	54.000	AVERAGE
3	*	2441.006	11.887	85.844	97.731	43.731	54.000	AVERAGE
4		2483.500	12.172	19.213	31.385	-22.615	54.000	AVERAGE
5		2493.341	12.237	19.711	31.948	-22.052	54.000	AVERAGE
6		2500.000	12.274	18.912	31.187	-22.813	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**

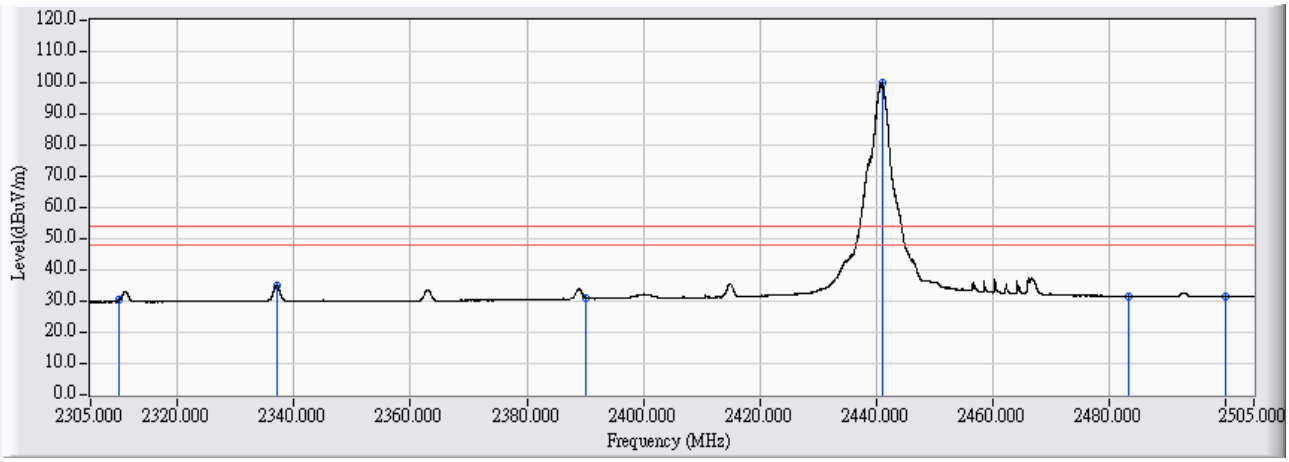


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	31.597	42.612	-31.388	74.000	PEAK
2		2389.191	11.538	33.898	45.436	-28.564	74.000	PEAK
3		2390.000	11.544	30.604	42.148	-31.852	74.000	PEAK
4	*	2440.786	11.886	92.509	104.394	30.394	74.000	PEAK
5		2483.500	12.172	30.481	42.653	-31.347	74.000	PEAK
6		2500.000	12.274	29.146	41.421	-32.579	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2441MHz** **Mode 1: Transmit_DH5**

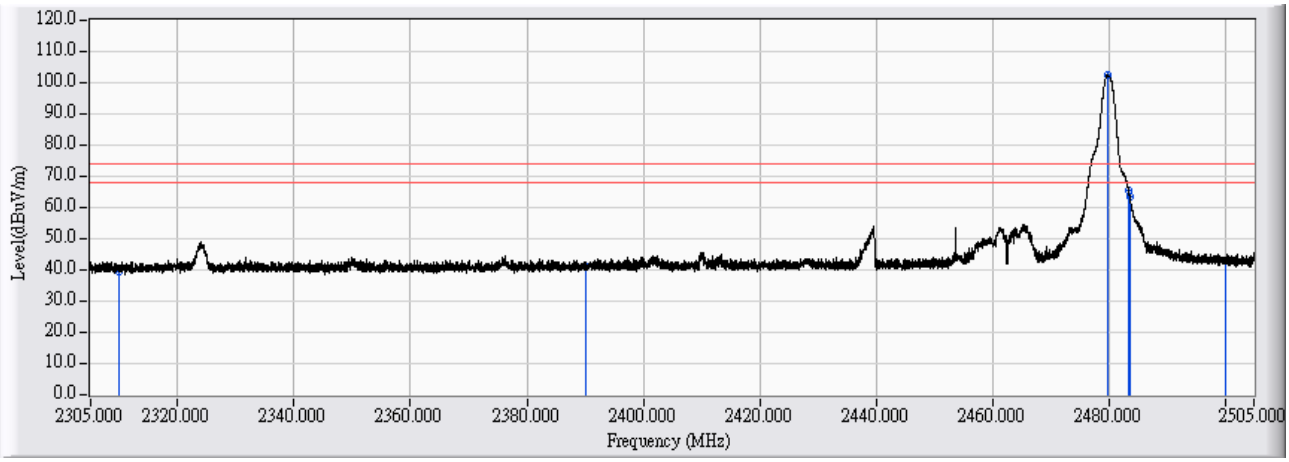


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	19.282	30.297	-23.703	54.000	AVERAGE
2		2336.937	11.193	23.951	35.144	-18.856	54.000	AVERAGE
3		2390.000	11.544	19.606	31.150	-22.850	54.000	AVERAGE
4	*	2441.026	11.887	88.343	100.230	46.230	54.000	AVERAGE
5		2483.500	12.172	19.401	31.573	-22.427	54.000	AVERAGE
6		2500.000	12.274	19.129	31.404	-22.596	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2480MHz** **Mode 1: Transmit_DH5**

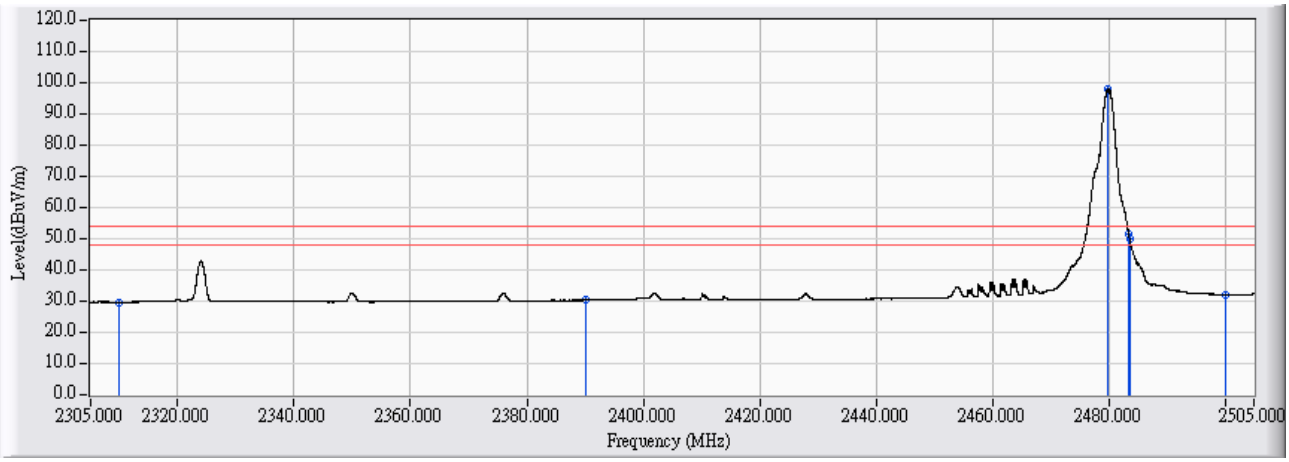


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	28.472	39.487	-34.513	74.000	PEAK
2		2390.000	11.544	29.325	40.869	-33.131	74.000	PEAK
3	*	2479.802	12.147	90.186	102.334	28.334	74.000	PEAK
4		2483.500	12.172	53.078	65.250	-8.750	74.000	PEAK
5		2483.642	12.174	51.213	63.386	-10.614	74.000	PEAK
6		2500.000	12.274	30.717	42.992	-31.008	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2480MHz** **Mode 1: Transmit_DH5**

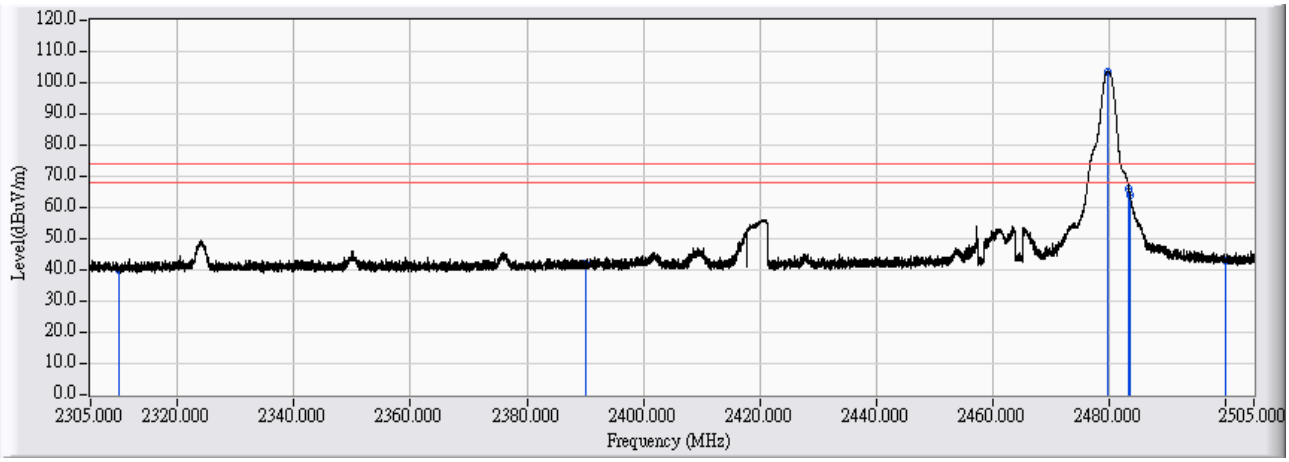


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.657	29.672	-24.328	54.000	AVERAGE
2		2390.000	11.544	18.728	30.272	-23.728	54.000	AVERAGE
3	*	2479.942	12.149	86.101	98.249	44.249	54.000	AVERAGE
4		2483.500	12.172	39.313	51.485	-2.515	54.000	AVERAGE
5		2483.602	12.172	38.063	50.236	-3.764	54.000	AVERAGE
6		2500.000	12.274	19.820	32.095	-21.905	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2480MHz** **Mode 1: Transmit_DH5**

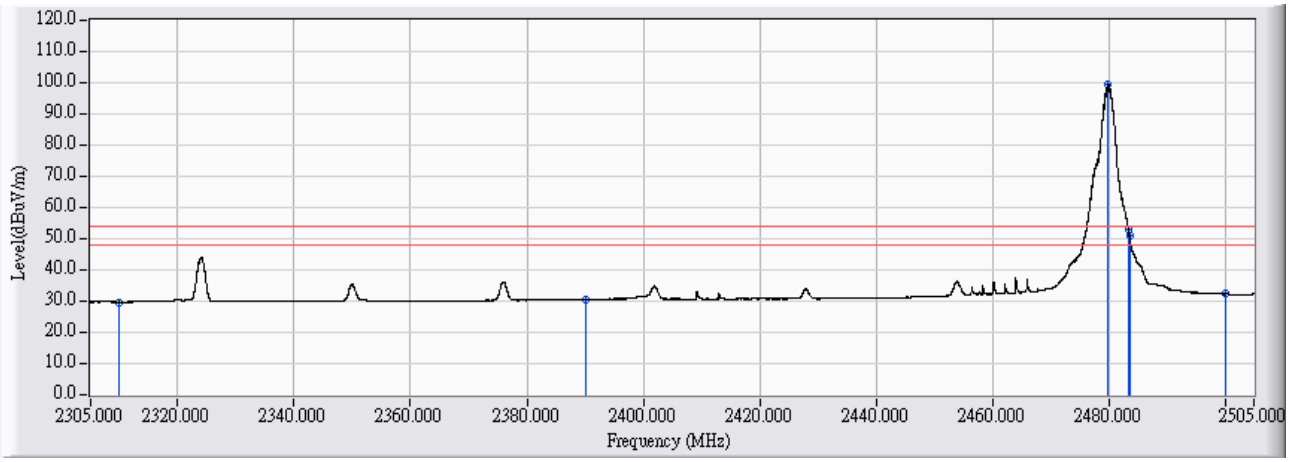


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.125	40.140	-33.860	74.000	PEAK
2		2390.000	11.544	30.496	42.040	-31.960	74.000	PEAK
3	*	2479.802	12.147	91.493	103.641	29.641	74.000	PEAK
4		2483.500	12.172	53.687	65.859	-8.141	74.000	PEAK
5		2483.662	12.174	52.030	64.203	-9.797	74.000	PEAK
6		2500.000	12.274	30.631	42.906	-31.094	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_DH5_2480MHz** **Mode 1: Transmit_DH5**

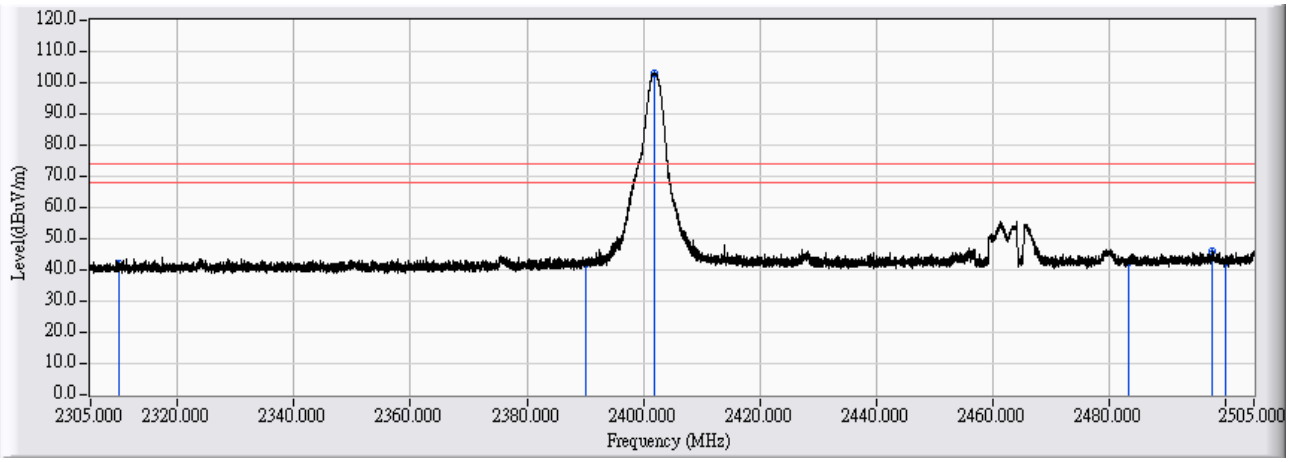


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.649	29.664	-24.336	54.000	AVERAGE
2		2390.000	11.544	19.052	30.596	-23.404	54.000	AVERAGE
3	*	2479.902	12.148	87.306	99.454	45.454	54.000	AVERAGE
4		2483.500	12.172	40.656	52.828	-1.172	54.000	AVERAGE
5		2483.602	12.172	38.733	50.906	-3.094	54.000	AVERAGE
6		2500.000	12.274	20.046	32.321	-21.679	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2402MHz** **Mode 2: Transmit_2DH5**

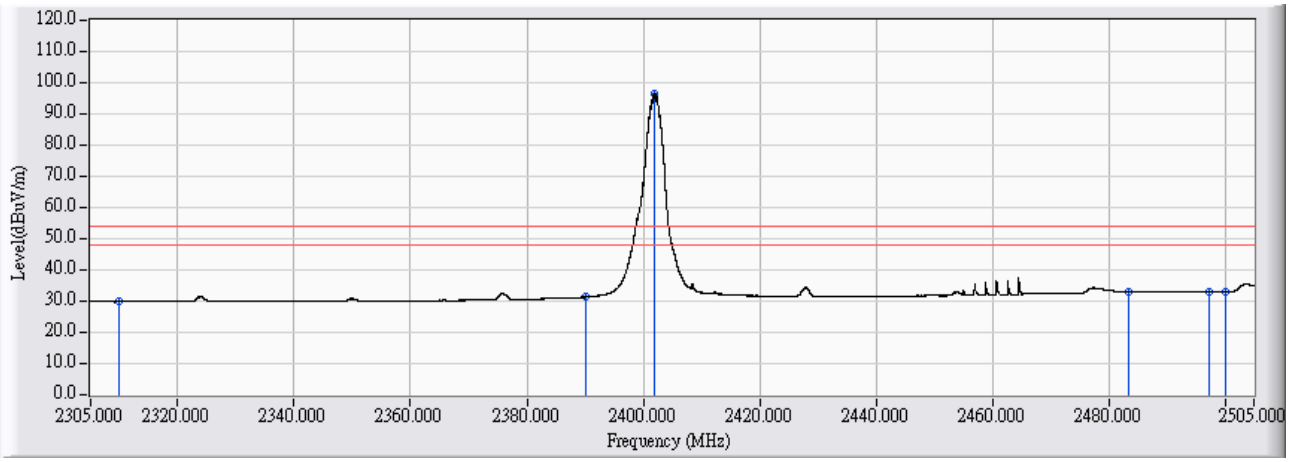


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	31.011	42.026	-31.974	74.000	PEAK
2		2390.000	11.544	30.544	42.088	-31.912	74.000	PEAK
3	*	2401.810	11.623	91.553	103.176	29.176	74.000	PEAK
4		2483.500	12.172	30.503	42.675	-31.325	74.000	PEAK
5		2497.921	12.265	33.582	45.847	-28.153	74.000	PEAK
6		2500.000	12.274	30.439	42.714	-31.286	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2402MHz** **Mode 2: Transmit_2DH5**

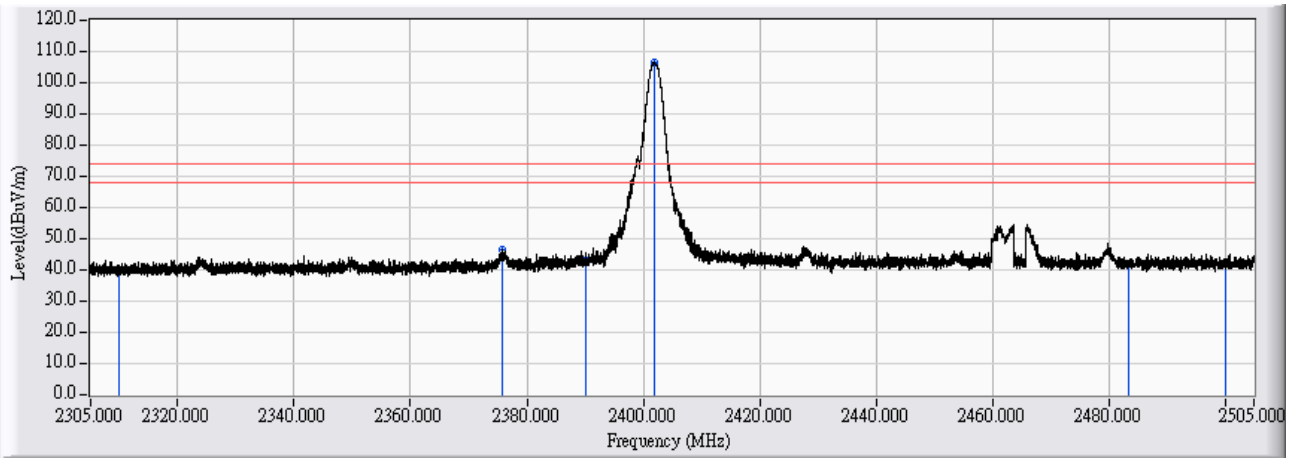


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.883	29.898	-24.102	54.000	AVERAGE
2		2390.000	11.544	19.788	31.332	-22.668	54.000	AVERAGE
3	*	2401.970	11.623	84.990	96.614	42.614	54.000	AVERAGE
4		2483.500	12.172	20.877	33.049	-20.951	54.000	AVERAGE
5		2497.181	12.261	20.866	33.127	-20.873	54.000	AVERAGE
6		2500.000	12.274	20.792	33.067	-20.933	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2402MHz** **Mode 2: Transmit_2DH5**

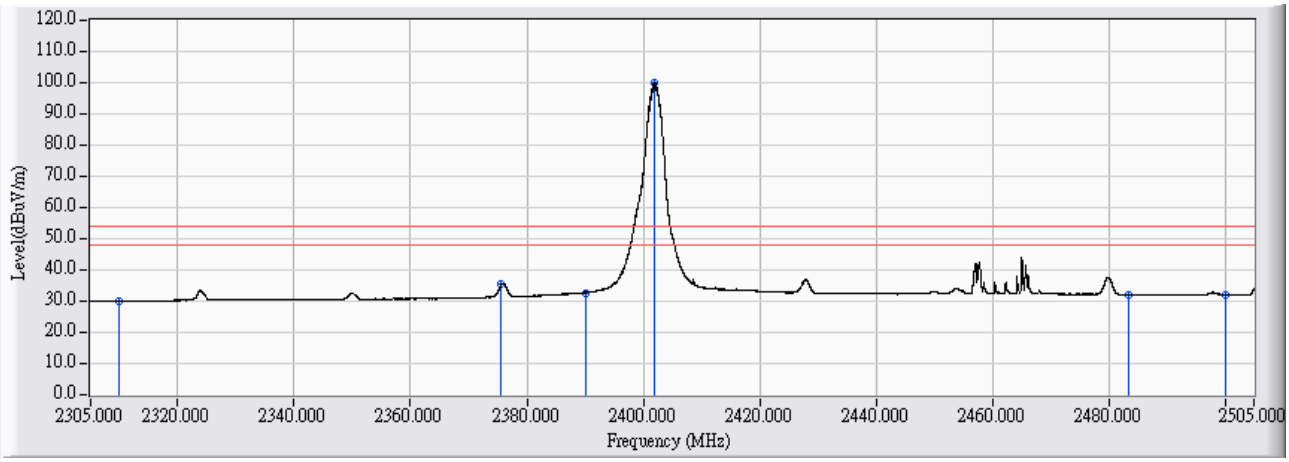


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	28.636	39.651	-34.349	74.000	PEAK
2		2375.873	11.450	35.169	46.619	-27.381	74.000	PEAK
3		2390.000	11.544	31.447	42.991	-31.009	74.000	PEAK
4	*	2401.850	11.623	94.781	106.404	32.404	74.000	PEAK
5		2483.500	12.172	29.885	42.057	-31.943	74.000	PEAK
6		2500.000	12.274	30.445	42.720	-31.280	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2402MHz** **Mode 2: Transmit_2DH5**

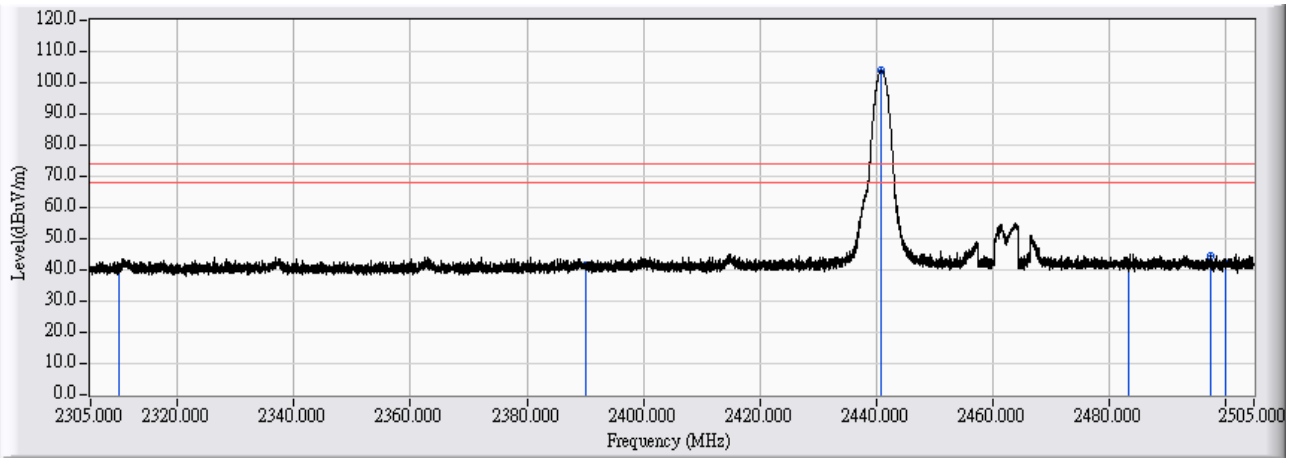


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	19.136	30.151	-23.849	54.000	AVERAGE
2		2375.613	11.448	23.875	35.324	-18.676	54.000	AVERAGE
3		2390.000	11.544	21.168	32.712	-21.288	54.000	AVERAGE
4	*	2401.950	11.623	88.183	99.807	45.807	54.000	AVERAGE
5		2483.500	12.172	19.884	32.056	-21.944	54.000	AVERAGE
6		2500.000	12.274	19.902	32.177	-21.823	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz** **Mode 2: Transmit_2DH5**

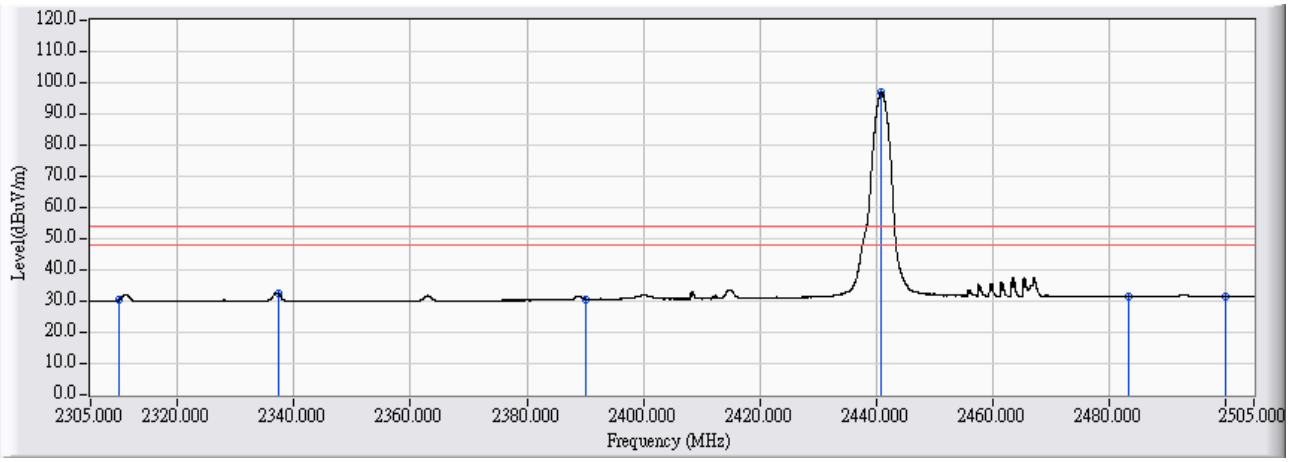


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.848	40.863	-33.137	74.000	PEAK
2		2390.000	11.544	29.740	41.284	-32.716	74.000	PEAK
3	*	2440.806	11.886	91.948	103.833	29.833	74.000	PEAK
4		2483.500	12.172	29.335	41.507	-32.493	74.000	PEAK
5		2497.661	12.263	32.016	44.279	-29.721	74.000	PEAK
6		2500.000	12.274	29.733	42.008	-31.992	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz** **Mode 2: Transmit_2DH5**

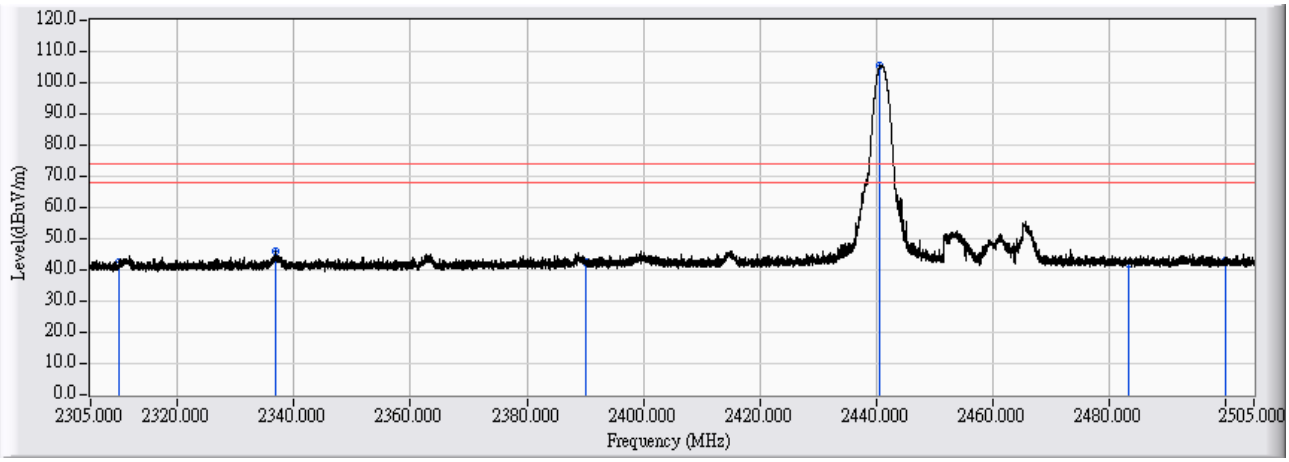


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	19.558	30.573	-23.427	54.000	AVERAGE
2		2337.197	11.195	21.215	32.410	-21.590	54.000	AVERAGE
3		2390.000	11.544	19.180	30.724	-23.276	54.000	AVERAGE
4	*	2440.946	11.886	85.002	96.888	42.888	54.000	AVERAGE
5		2483.500	12.172	19.320	31.492	-22.508	54.000	AVERAGE
6		2500.000	12.274	19.154	31.429	-22.571	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz** **Mode 2: Transmit_2DH5**

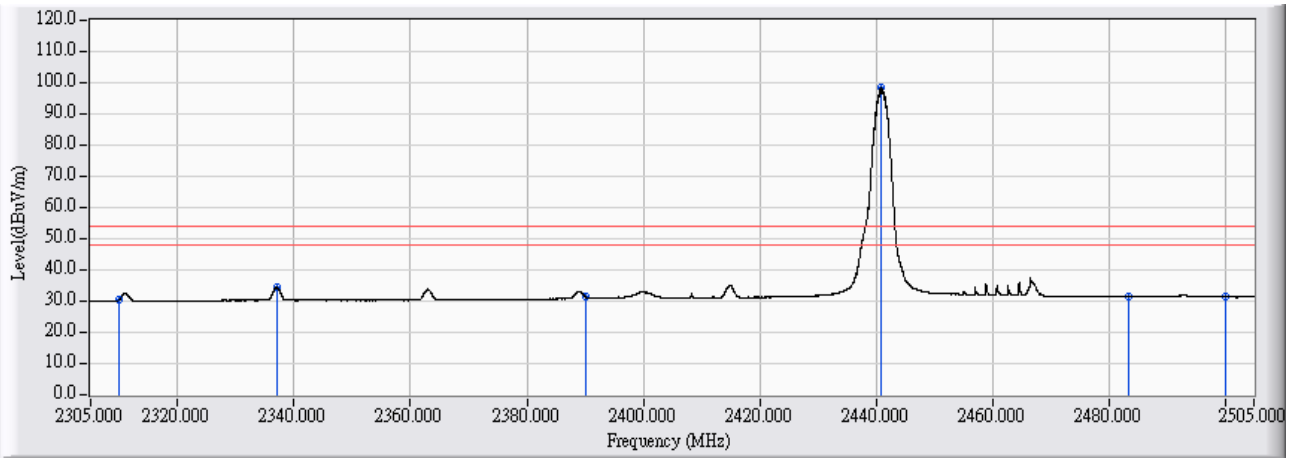


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	31.516	42.531	-31.469	74.000	PEAK
2		2336.917	11.193	34.723	45.916	-28.084	74.000	PEAK
3		2390.000	11.544	31.162	42.706	-31.294	74.000	PEAK
4	*	2440.706	11.885	93.745	105.630	31.630	74.000	PEAK
5		2483.500	12.172	29.954	42.126	-31.874	74.000	PEAK
6		2500.000	12.274	30.512	42.787	-31.213	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2441MHz** **Mode 2: Transmit_2DH5**

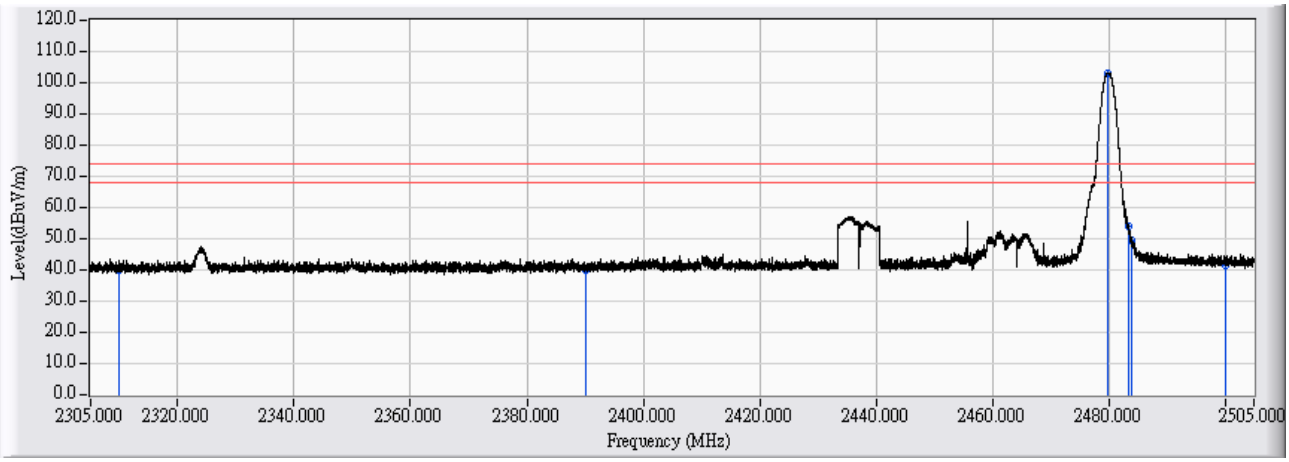


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	19.686	30.701	-23.299	54.000	AVERAGE
2		2336.937	11.193	23.193	34.386	-19.614	54.000	AVERAGE
3		2390.000	11.544	19.786	31.330	-22.670	54.000	AVERAGE
4	*	2440.906	11.886	86.707	98.593	44.593	54.000	AVERAGE
5		2483.500	12.172	19.316	31.488	-22.512	54.000	AVERAGE
6		2500.000	12.274	19.087	31.362	-22.638	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2480MHz Mode 2: Transmit_2DH5**

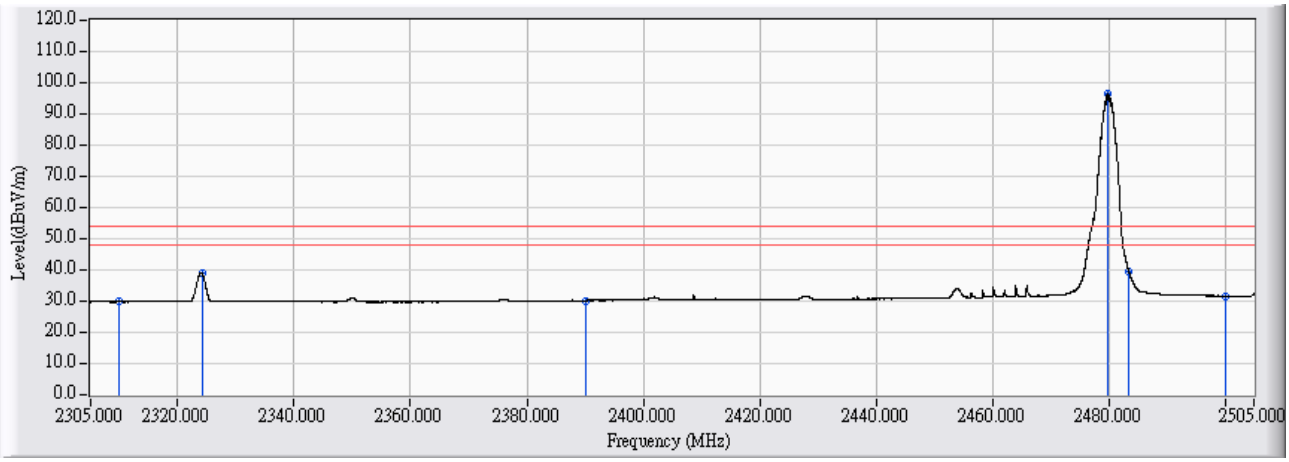


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	28.794	39.809	-34.191	74.000	PEAK
2		2390.000	11.544	28.691	40.235	-33.765	74.000	PEAK
3	*	2479.942	12.149	90.993	103.141	29.141	74.000	PEAK
4		2483.500	12.172	41.579	53.751	-20.249	74.000	PEAK
5		2483.862	12.175	37.425	49.600	-24.400	74.000	PEAK
6		2500.000	12.274	29.225	41.500	-32.500	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2480MHz Mode 2: Transmit_2DH5**

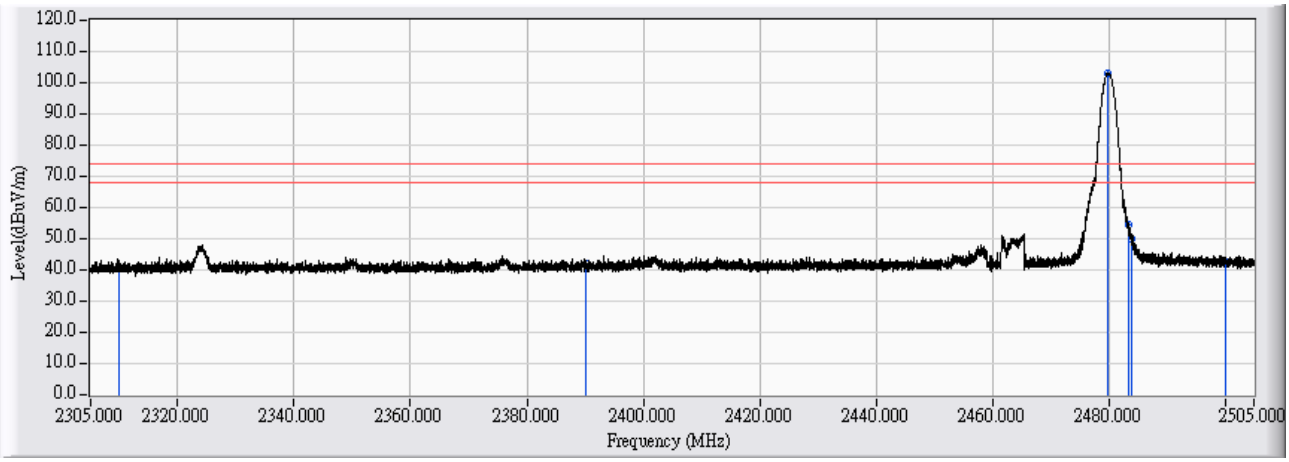


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.845	29.860	-24.140	54.000	AVERAGE
2		2324.118	11.108	27.768	38.876	-15.124	54.000	AVERAGE
3		2390.000	11.544	18.614	30.158	-23.842	54.000	AVERAGE
4	*	2479.962	12.149	84.188	96.337	42.337	54.000	AVERAGE
5		2483.500	12.172	27.318	39.490	-14.510	54.000	AVERAGE
6		2500.000	12.274	19.368	31.643	-22.357	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2480MHz** **Mode 2: Transmit_2DH5**

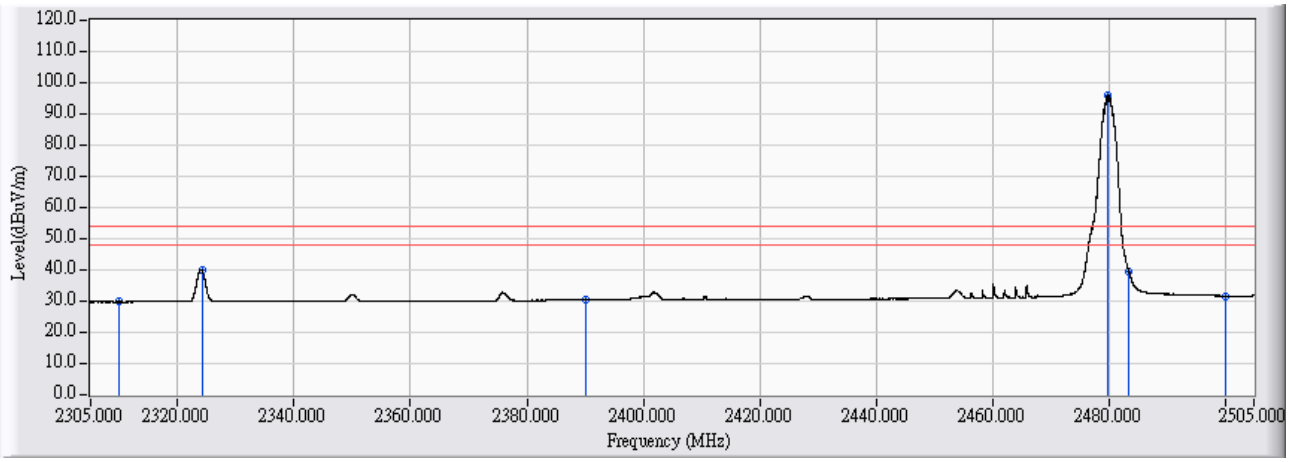


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.988	41.003	-32.997	74.000	PEAK
2		2390.000	11.544	30.250	41.794	-32.206	74.000	PEAK
3	*	2479.922	12.149	90.837	102.985	28.985	74.000	PEAK
4		2483.500	12.172	42.339	54.511	-19.489	74.000	PEAK
5		2483.902	12.175	37.922	50.097	-23.903	74.000	PEAK
6		2500.000	12.274	30.151	42.426	-31.574	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_2DH5_2480MHz** **Mode 2: Transmit_2DH5**

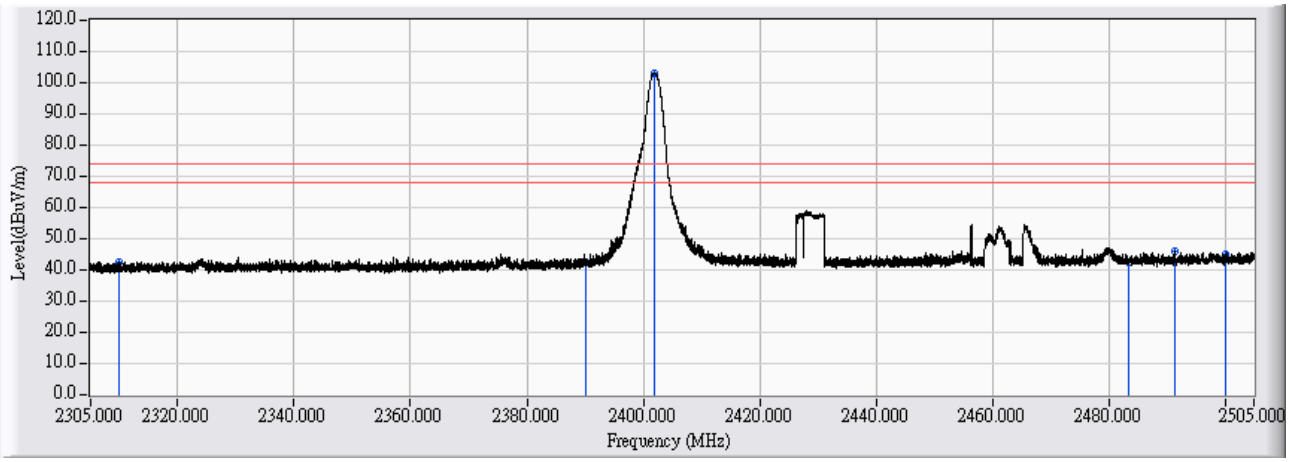


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.741	29.756	-24.244	54.000	AVERAGE
2		2324.118	11.108	28.662	39.770	-14.230	54.000	AVERAGE
3		2390.000	11.544	18.832	30.376	-23.624	54.000	AVERAGE
4	*	2479.902	12.148	83.877	96.025	42.025	54.000	AVERAGE
5		2483.500	12.172	27.393	39.565	-14.435	54.000	AVERAGE
6		2500.000	12.274	19.440	31.715	-22.285	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2402MHz** **Mode 3: Transmit_3DH5**

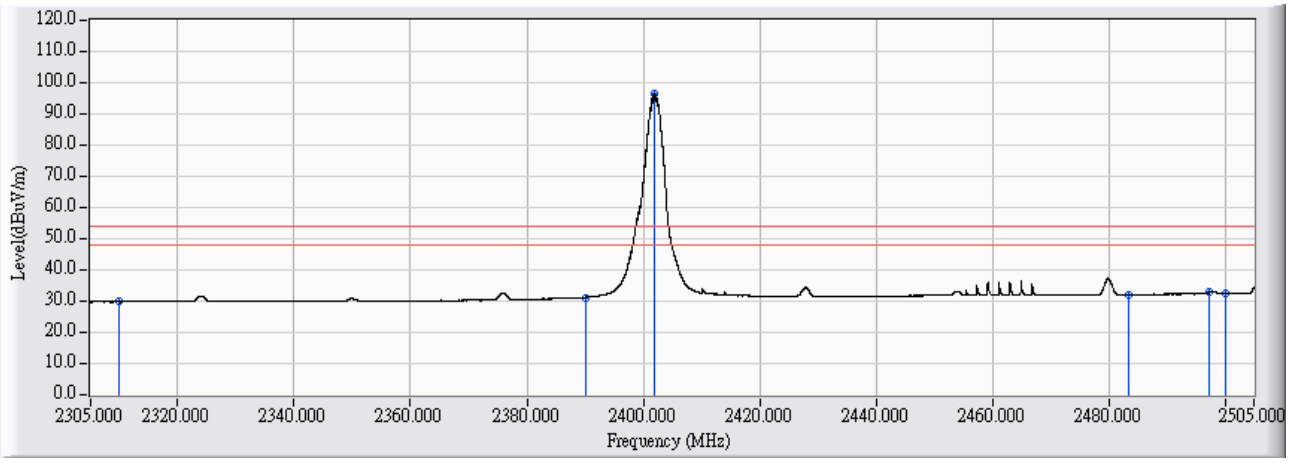


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	31.245	42.260	-31.740	74.000	PEAK
2		2390.000	11.544	31.158	42.702	-31.298	74.000	PEAK
3	*	2401.910	11.623	91.458	103.082	29.082	74.000	PEAK
4		2483.500	12.172	30.515	42.687	-31.313	74.000	PEAK
5		2491.481	12.225	33.603	45.828	-28.172	74.000	PEAK
6		2500.000	12.274	32.506	44.781	-29.219	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2402MHz** **Mode 3: Transmit_3DH5**

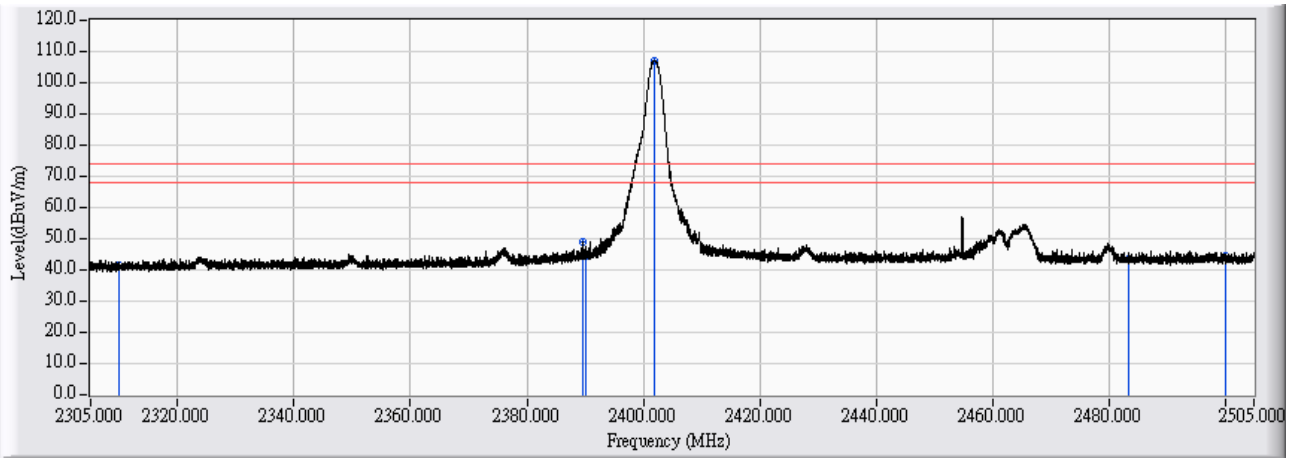


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.789	29.804	-24.196	54.000	AVERAGE
2		2390.000	11.544	19.679	31.223	-22.777	54.000	AVERAGE
3	*	2402.010	11.625	84.708	96.332	42.332	54.000	AVERAGE
4		2483.500	12.172	19.967	32.139	-21.861	54.000	AVERAGE
5		2497.261	12.261	20.540	32.801	-21.199	54.000	AVERAGE
6		2500.000	12.274	20.108	32.383	-21.617	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2402MHz** **Mode 3: Transmit_3DH5**

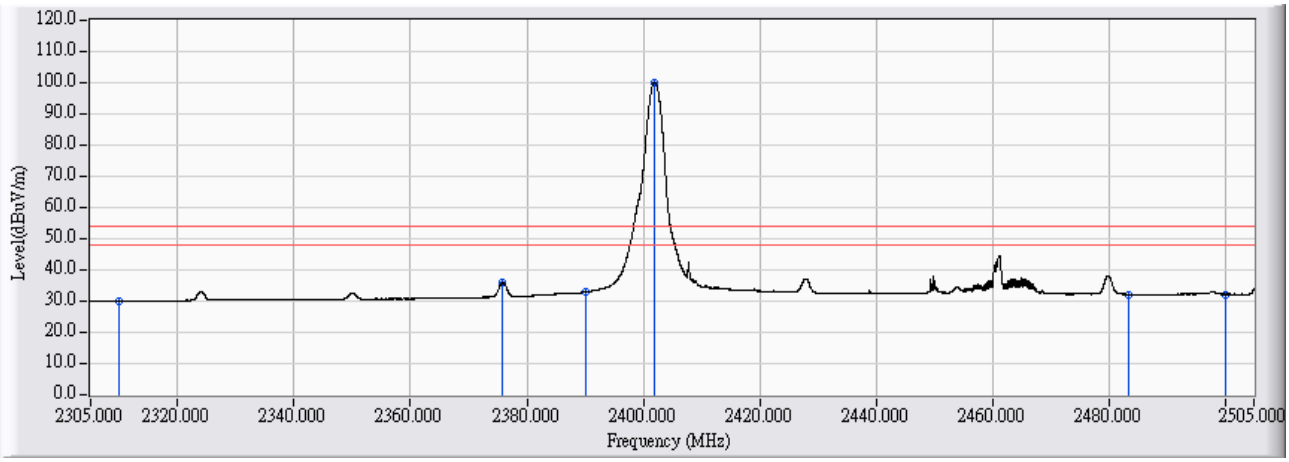


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	30.371	41.386	-32.614	74.000	PEAK
2		2389.651	11.542	37.655	49.196	-24.804	74.000	PEAK
3		2390.000	11.544	33.099	44.643	-29.357	74.000	PEAK
4	*	2401.910	11.623	95.441	107.065	33.065	74.000	PEAK
5		2483.500	12.172	31.389	43.561	-30.439	74.000	PEAK
6		2500.000	12.274	32.239	44.514	-29.486	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2402MHz** **Mode 3: Transmit_3DH5**

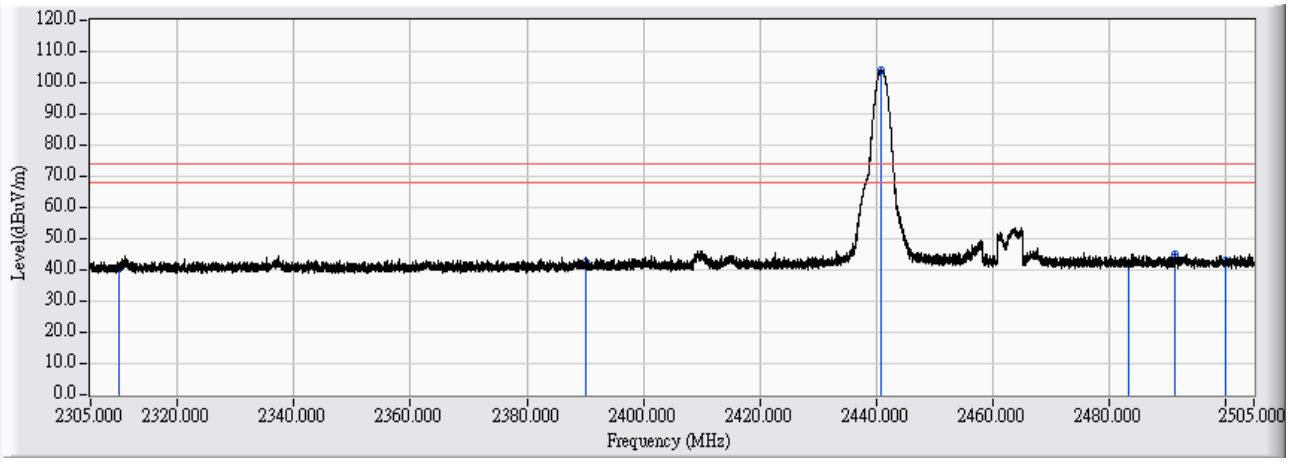


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	19.015	30.030	-23.970	54.000	AVERAGE
2		2375.773	11.450	24.318	35.768	-18.232	54.000	AVERAGE
3		2390.000	11.544	21.322	32.866	-21.134	54.000	AVERAGE
4	*	2401.950	11.623	88.617	100.241	46.241	54.000	AVERAGE
5		2483.500	12.172	19.998	32.170	-21.830	54.000	AVERAGE
6		2500.000	12.274	19.945	32.220	-21.780	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**

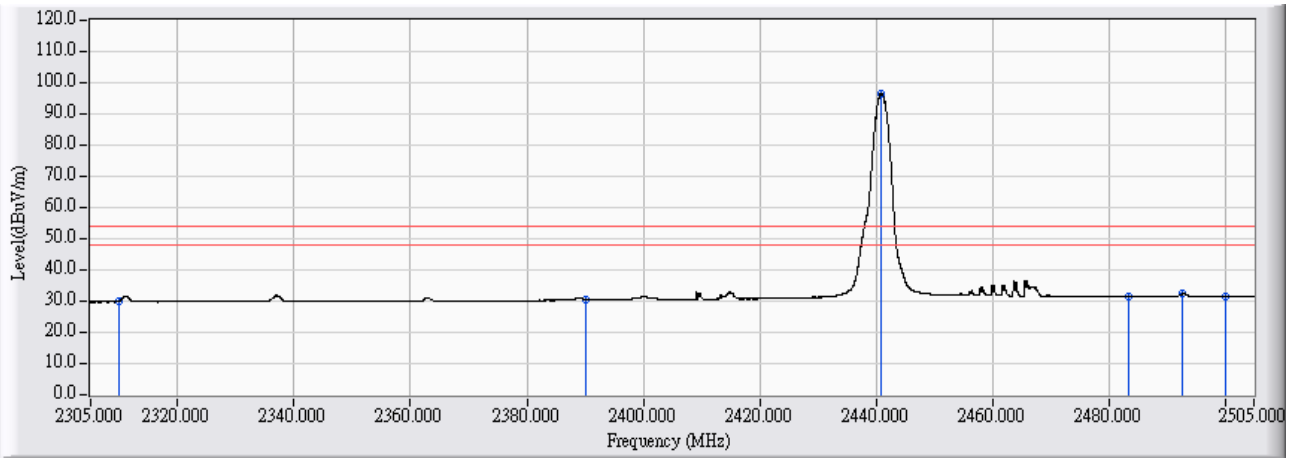


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.708	40.723	-33.277	74.000	PEAK
2		2390.000	11.544	30.710	42.254	-31.746	74.000	PEAK
3	*	2440.966	11.886	92.125	104.011	30.011	74.000	PEAK
4		2483.500	12.172	30.057	42.229	-31.771	74.000	PEAK
5		2491.341	12.225	32.772	44.996	-29.004	74.000	PEAK
6		2500.000	12.274	30.592	42.867	-31.133	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**

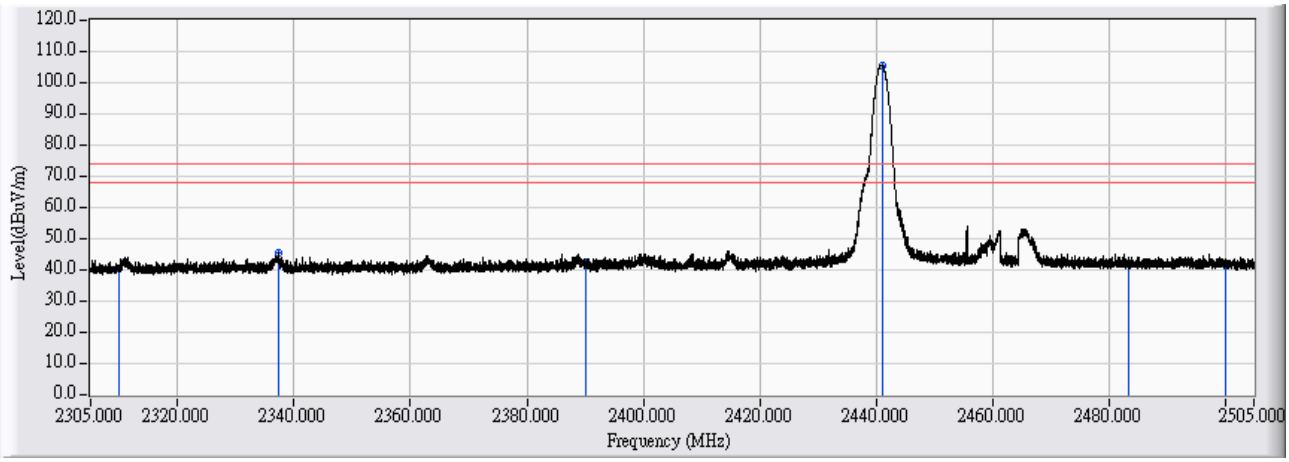


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	19.188	30.203	-23.797	54.000	AVERAGE
2		2390.000	11.544	18.998	30.542	-23.458	54.000	AVERAGE
3	*	2441.006	11.887	84.840	96.727	42.727	54.000	AVERAGE
4		2483.500	12.172	19.293	31.465	-22.535	54.000	AVERAGE
5		2492.621	12.232	20.023	32.256	-21.744	54.000	AVERAGE
6		2500.000	12.274	19.158	31.433	-22.567	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**

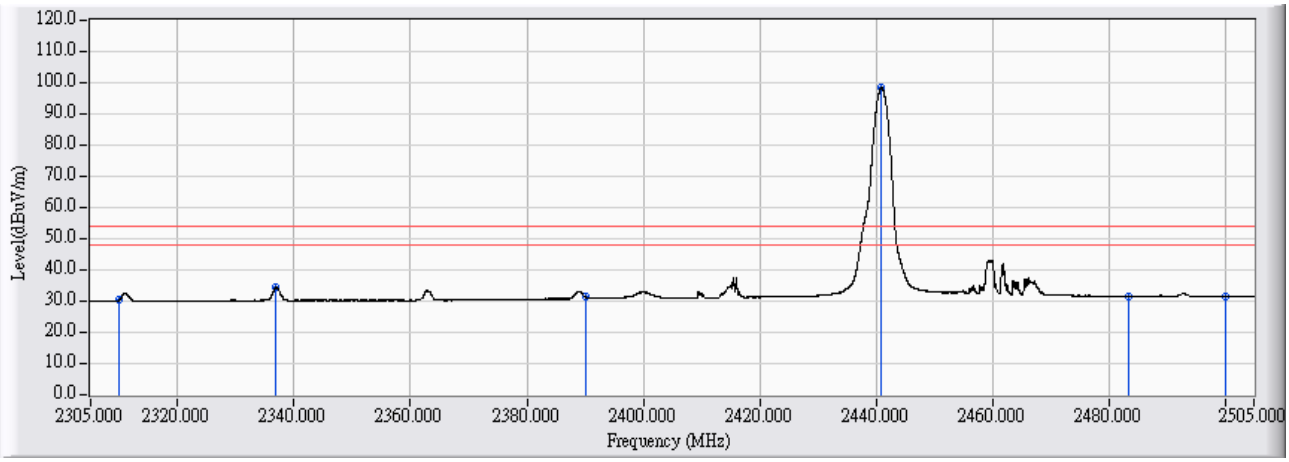


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.324	40.339	-33.661	74.000	PEAK
2		2337.317	11.195	34.287	45.482	-28.518	74.000	PEAK
3		2390.000	11.544	30.986	42.530	-31.470	74.000	PEAK
4	*	2441.026	11.887	93.729	105.616	31.616	74.000	PEAK
5		2483.500	12.172	29.858	42.030	-31.970	74.000	PEAK
6		2500.000	12.274	29.021	41.296	-32.704	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2441MHz** **Mode 3: Transmit_3DH5**

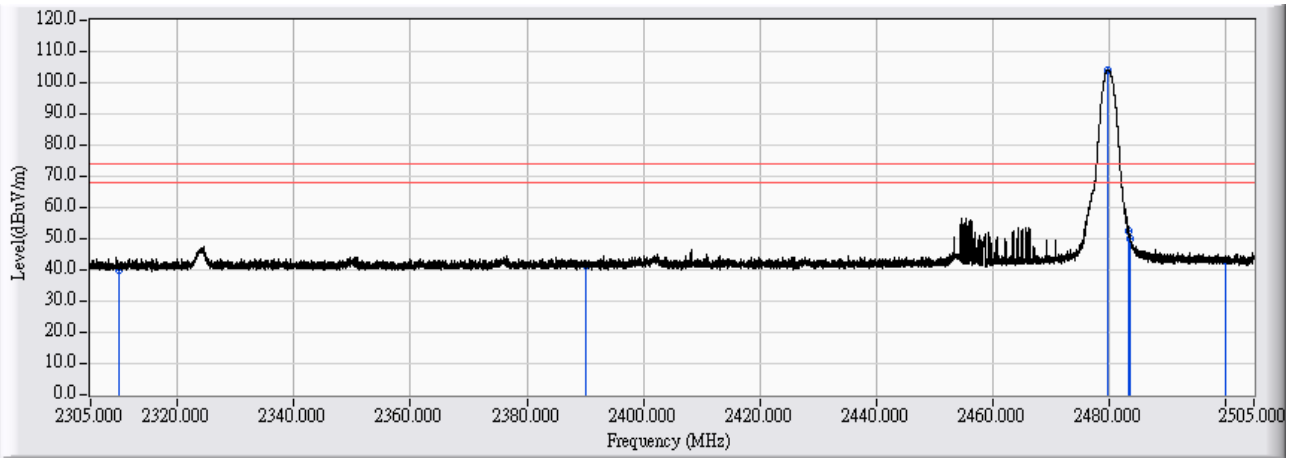


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	19.559	30.574	-23.426	54.000	AVERAGE
2		2336.857	11.192	23.089	34.281	-19.719	54.000	AVERAGE
3		2390.000	11.544	19.756	31.300	-22.700	54.000	AVERAGE
4	*	2440.966	11.886	86.465	98.351	44.351	54.000	AVERAGE
5		2483.500	12.172	19.415	31.587	-22.413	54.000	AVERAGE
6		2500.000	12.274	19.210	31.485	-22.515	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2480MHz Mode 3: Transmit_3DH5**

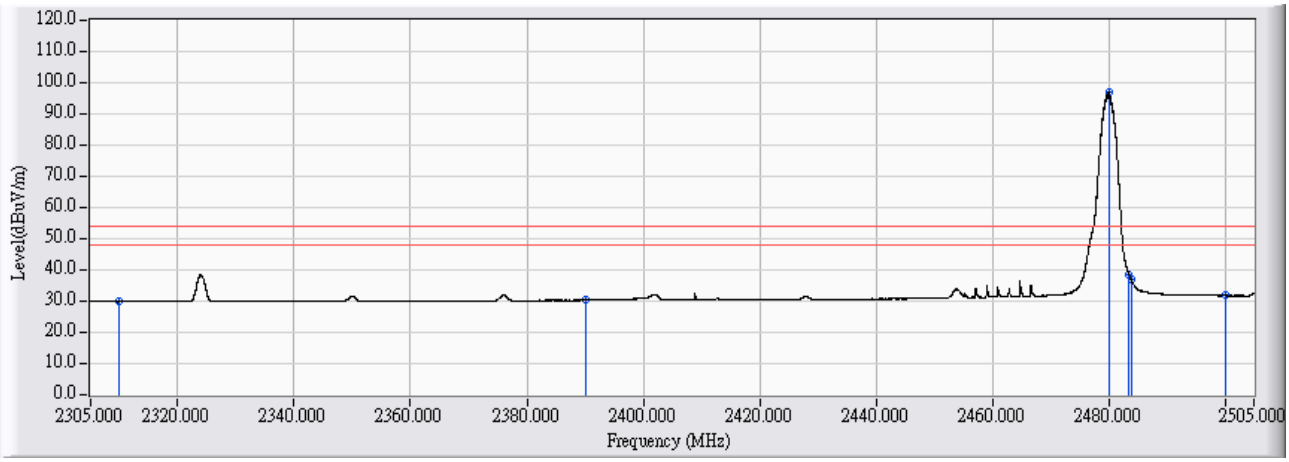


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.187	40.202	-33.798	74.000	PEAK
2		2390.000	11.544	30.154	41.698	-32.302	74.000	PEAK
3	*	2479.962	12.149	92.015	104.164	30.164	74.000	PEAK
4		2483.500	12.172	40.148	52.320	-21.680	74.000	PEAK
5		2483.622	12.172	37.979	50.152	-23.848	74.000	PEAK
6		2500.000	12.274	30.789	43.064	-30.936	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2480MHz** **Mode 3: Transmit_3DH5**

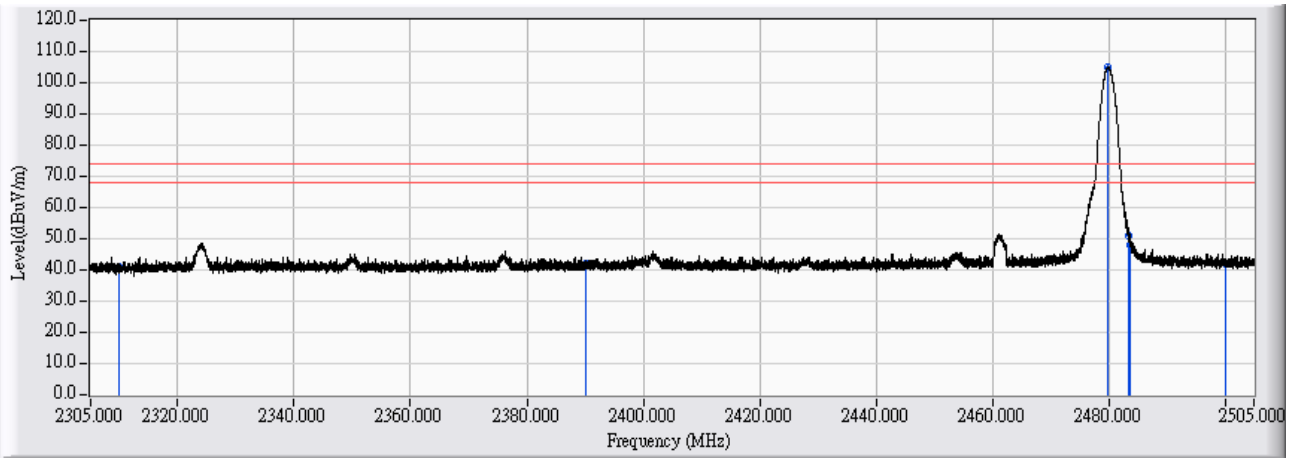


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	18.888	29.903	-24.097	54.000	AVERAGE
2		2390.000	11.544	18.739	30.283	-23.717	54.000	AVERAGE
3	*	2480.002	12.149	84.633	96.782	42.782	54.000	AVERAGE
4		2483.500	12.172	26.405	38.577	-15.423	54.000	AVERAGE
5		2483.862	12.175	24.604	36.779	-17.221	54.000	AVERAGE
6		2500.000	12.274	19.572	31.847	-22.153	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2480MHz** **Mode 3: Transmit_3DH5**

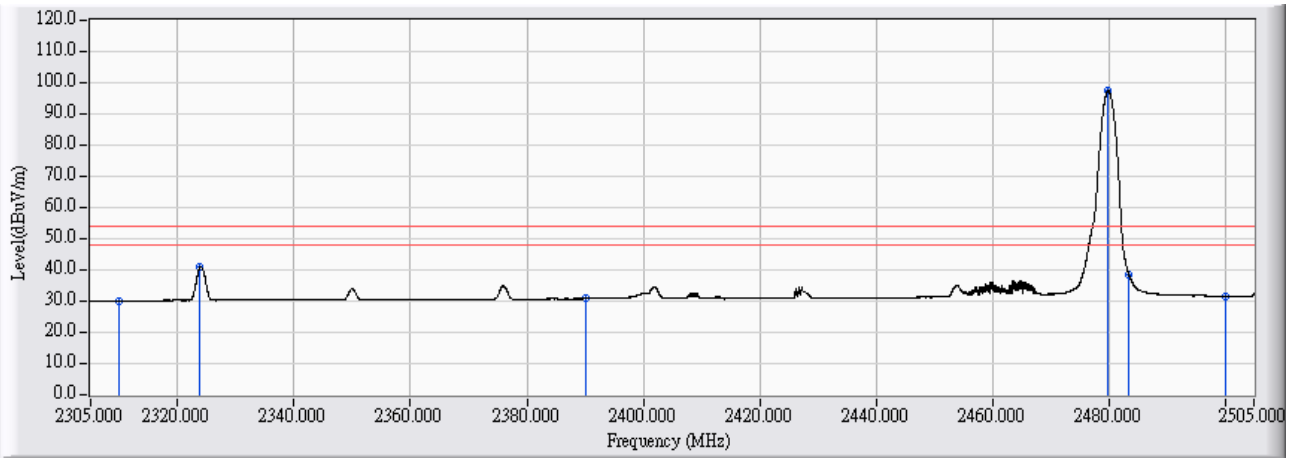


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	29.735	40.750	-33.250	74.000	PEAK
2		2390.000	11.544	30.550	42.094	-31.906	74.000	PEAK
3	*	2479.942	12.149	92.643	104.791	30.791	74.000	PEAK
4		2483.500	12.172	38.713	50.885	-23.115	74.000	PEAK
5		2483.662	12.174	35.872	48.045	-25.955	74.000	PEAK
6		2500.000	12.274	29.866	42.141	-31.859	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : CB2-H	**Time : 2017/09/12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT: BK-T1	**Note : 802.15.1_3DH5_2480MHz** **Mode 3: Transmit_3DH5**

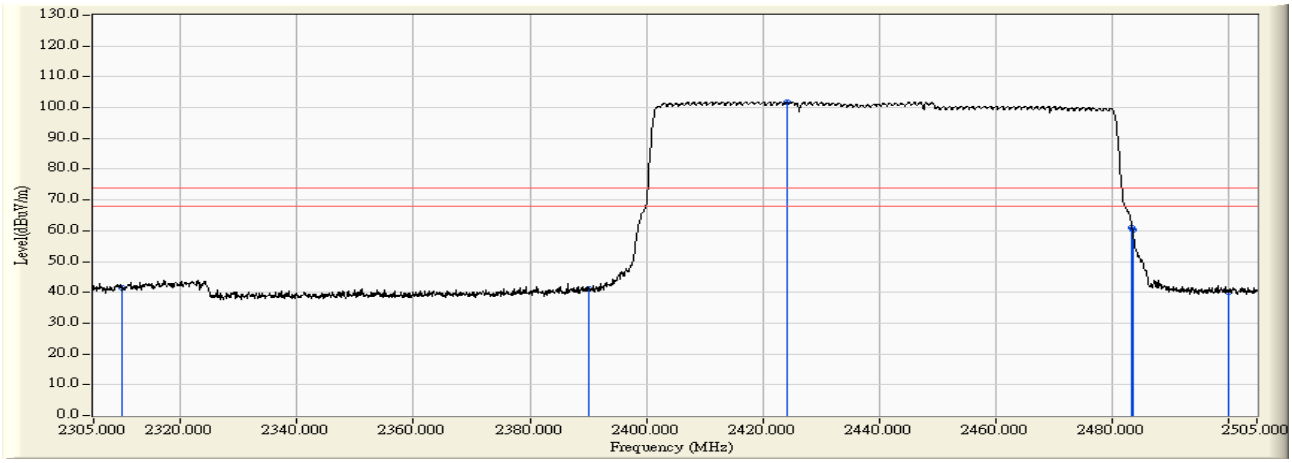


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	11.014	19.051	30.066	-23.934	54.000	AVERAGE
2		2323.818	11.107	29.683	40.789	-13.211	54.000	AVERAGE
3		2390.000	11.544	19.227	30.771	-23.229	54.000	AVERAGE
4	*	2479.902	12.148	85.229	97.377	43.377	54.000	AVERAGE
5		2483.500	12.172	26.483	38.655	-15.345	54.000	AVERAGE
6		2500.000	12.274	19.309	31.584	-22.416	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_DH5_Hopping**

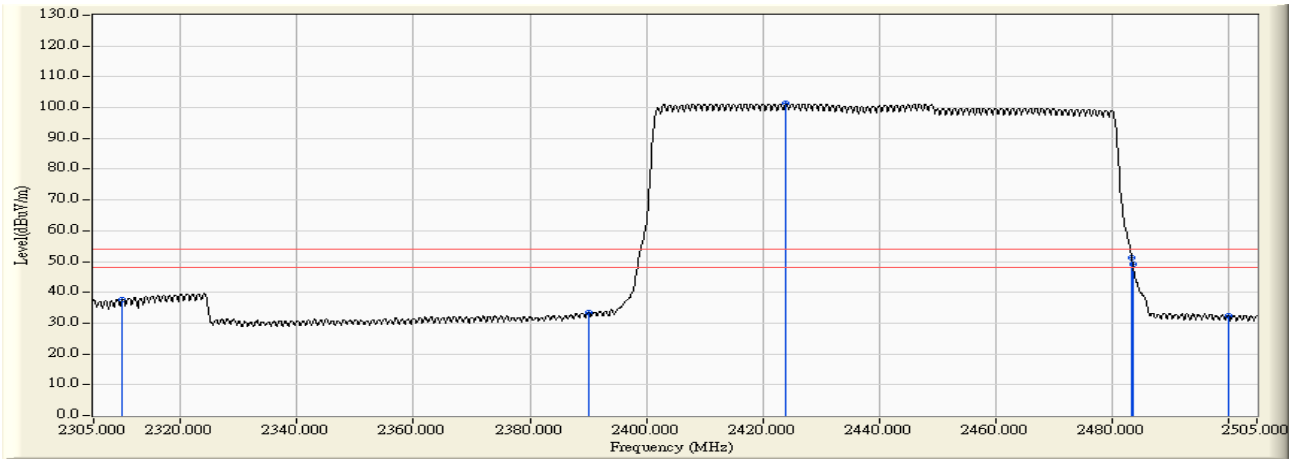


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	27.450	41.568	-32.432	74.000	PEAK
2		2390.000	14.762	26.293	41.055	-32.945	74.000	PEAK
3	*	2424.200	14.768	87.094	101.861	27.861	74.000	PEAK
4		2483.500	15.288	45.841	61.129	-12.871	74.000	PEAK
5		2483.600	15.289	44.844	60.133	-13.867	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_DH5_Hopping**

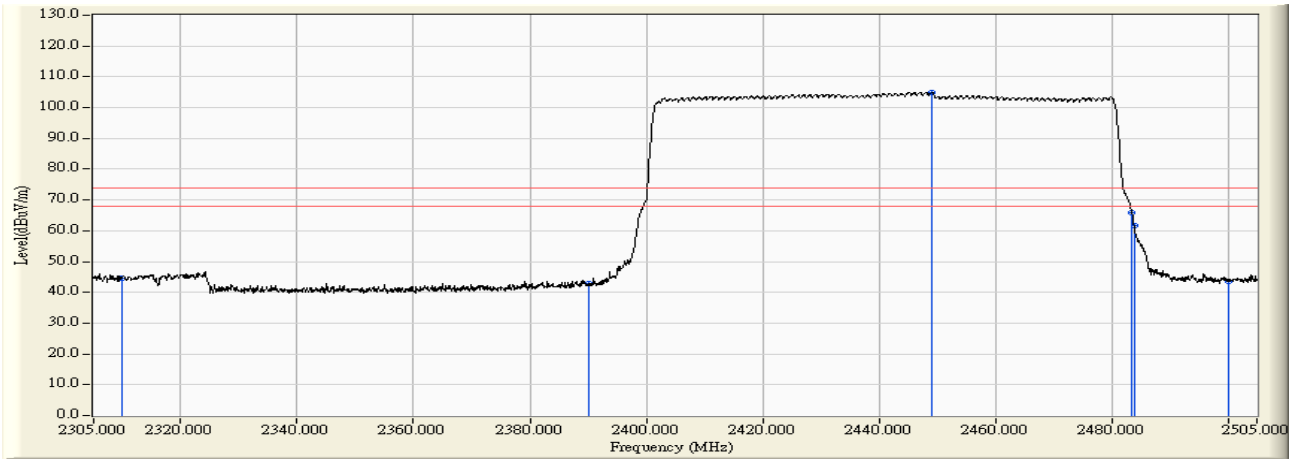


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	23.636	37.754	-16.246	54.000	AVERAGE
2		2390.000	14.762	18.652	33.414	-20.586	54.000	AVERAGE
3	*	2424.000	14.767	86.480	101.247	47.247	54.000	AVERAGE
4		2483.500	15.288	35.894	51.182	-2.818	54.000	AVERAGE
5		2483.600	15.289	33.894	49.183	-4.817	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_DH5_Hopping**

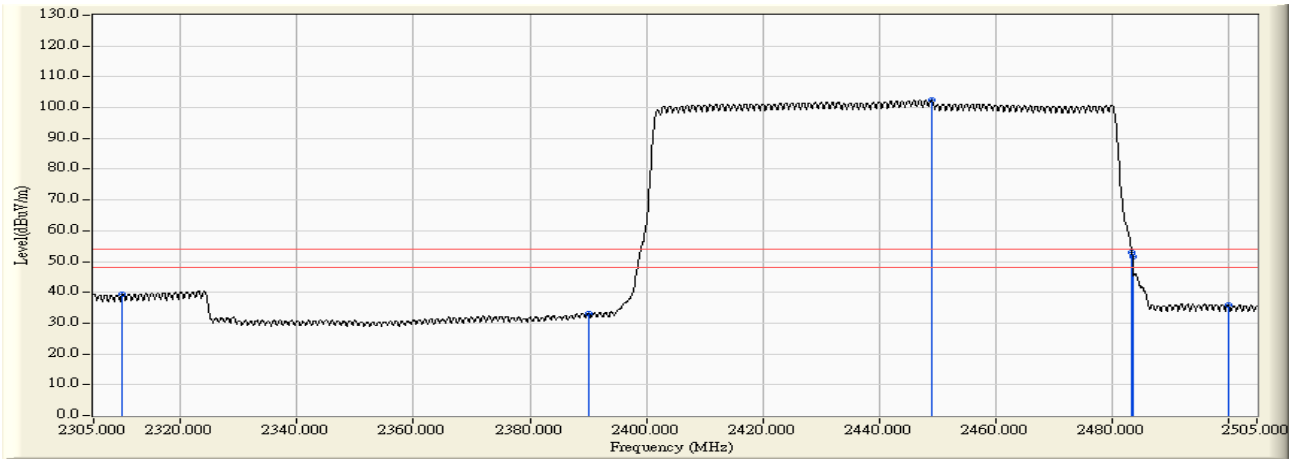


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	30.611	44.729	-29.271	74.000	PEAK
2		2390.000	14.762	28.278	43.040	-30.960	74.000	PEAK
3	*	2449.200	14.902	90.069	104.971	30.971	74.000	PEAK
4		2483.500	15.288	50.665	65.953	-8.047	74.000	PEAK
5		2483.900	15.289	46.364	61.654	-12.346	74.000	PEAK
6		2500.000	15.314	28.273	43.588	-30.412	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_DH5_Hopping**

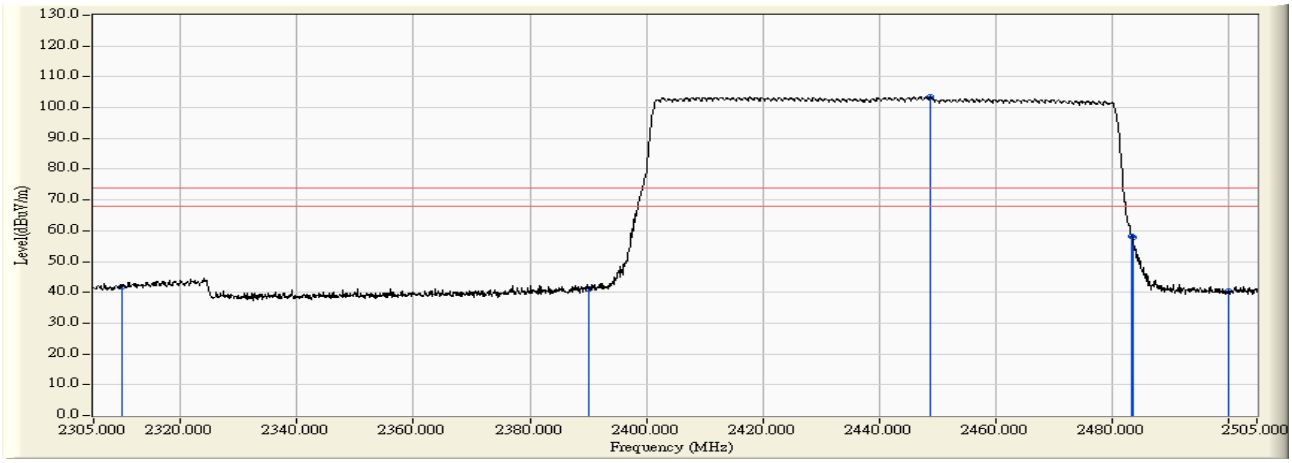


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	25.185	39.303	-14.697	54.000	AVERAGE
2		2390.000	14.762	18.369	33.131	-20.869	54.000	AVERAGE
3	*	2449.000	14.900	87.477	102.377	48.377	54.000	AVERAGE
4		2483.500	15.288	37.637	52.925	-1.075	54.000	AVERAGE
5		2483.600	15.289	36.259	51.548	-2.452	54.000	AVERAGE
6		2500.000	15.314	20.685	36.000	-18.000	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_2DH5_Hopping**

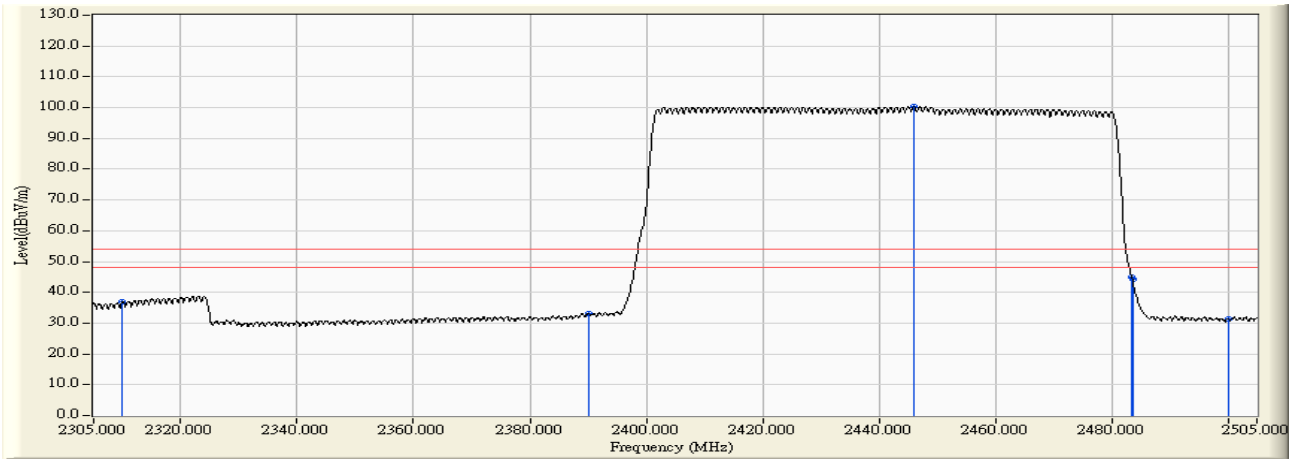


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	27.833	41.951	-32.049	74.000	PEAK
2		2390.000	14.762	26.209	40.971	-33.029	74.000	PEAK
3	*	2448.900	14.899	88.571	103.470	29.470	74.000	PEAK
4		2483.500	15.288	42.856	58.144	-15.856	74.000	PEAK
5		2483.600	15.289	42.606	57.895	-16.105	74.000	PEAK
6		2500.000	15.314	24.952	40.267	-33.733	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_2DH5_Hopping**

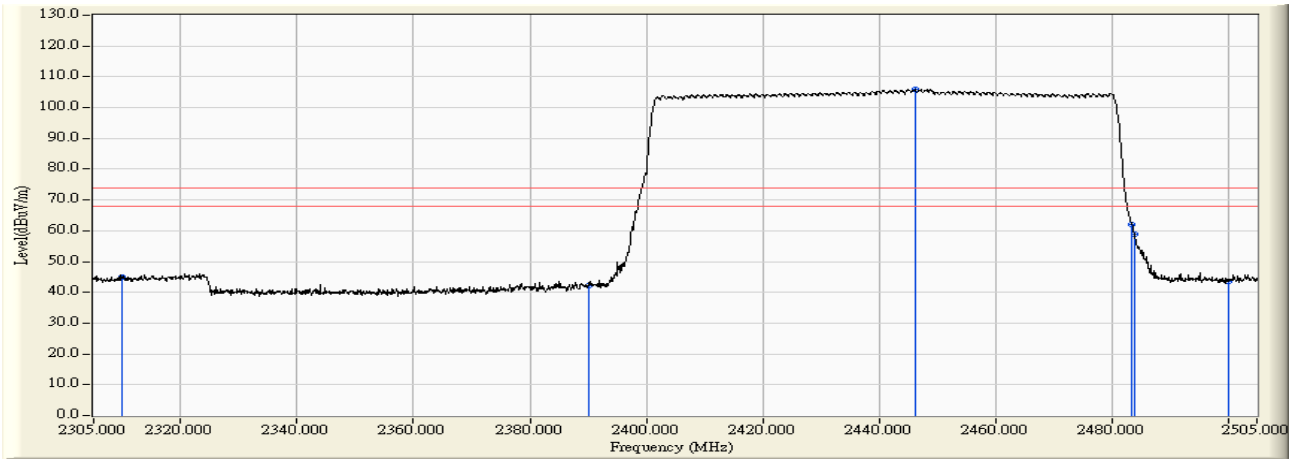


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	22.870	36.988	-17.012	54.000	AVERAGE
2		2390.000	14.762	18.274	33.036	-20.964	54.000	AVERAGE
3	*	2446.000	14.874	85.402	100.276	46.276	54.000	AVERAGE
4		2483.500	15.288	29.613	44.901	-9.099	54.000	AVERAGE
5		2483.600	15.289	28.962	44.251	-9.749	54.000	AVERAGE
6		2500.000	15.314	16.147	31.462	-22.538	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_2DH5_Hopping**

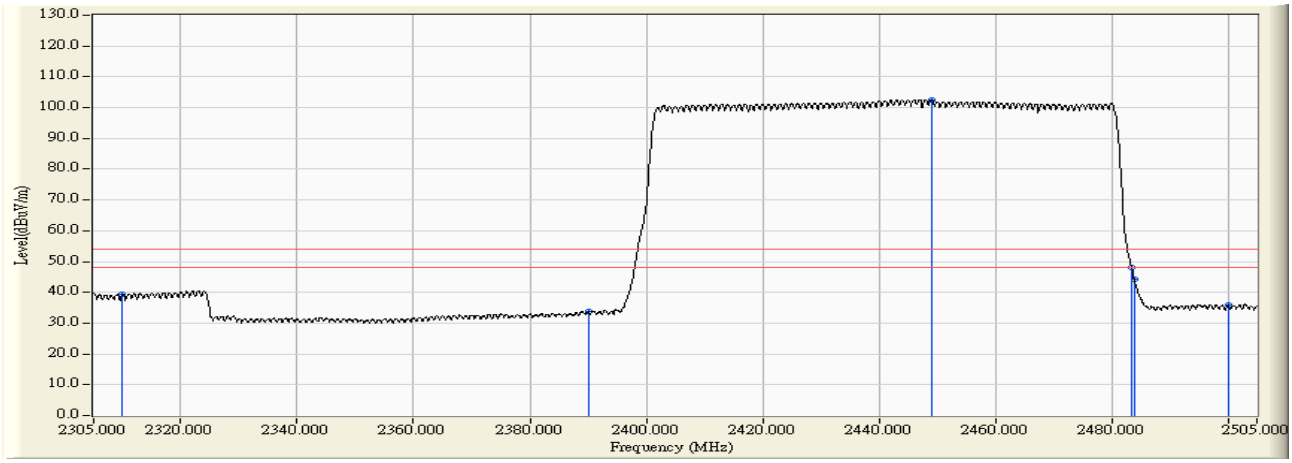


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	30.669	44.787	-29.213	74.000	PEAK
2		2390.000	14.762	27.336	42.098	-31.902	74.000	PEAK
3	*	2446.200	14.876	91.005	105.881	31.881	74.000	PEAK
4		2483.500	15.288	46.745	62.033	-11.967	74.000	PEAK
5		2483.900	15.289	43.568	58.858	-15.142	74.000	PEAK
6		2500.000	15.314	28.192	43.507	-30.493	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_2DH5_Hopping**

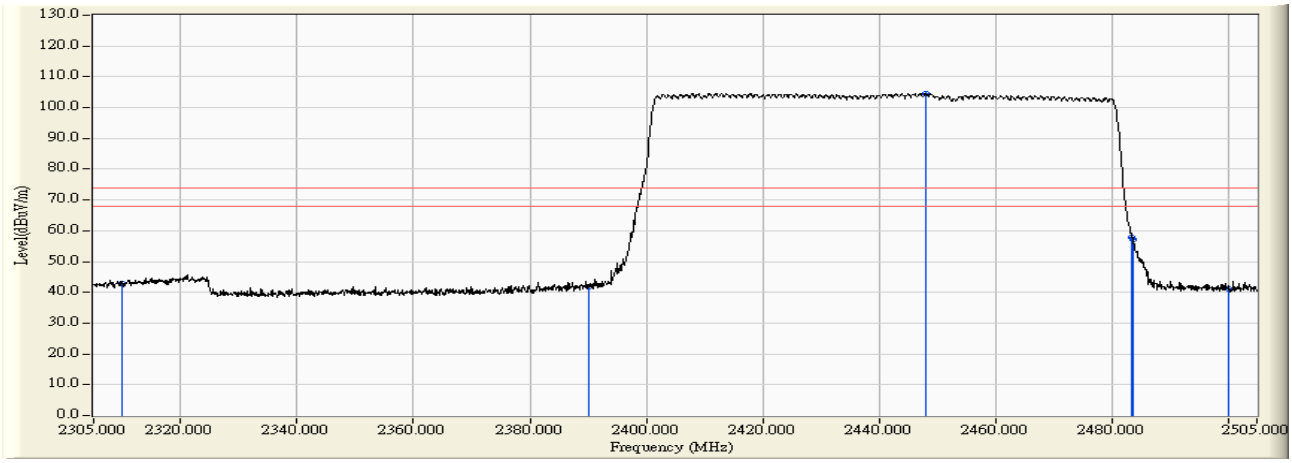


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	25.182	39.300	-14.700	54.000	AVERAGE
2		2390.000	14.762	18.871	33.633	-20.367	54.000	AVERAGE
3	*	2449.000	14.900	87.704	102.604	48.604	54.000	AVERAGE
4		2483.500	15.288	32.811	48.099	-5.901	54.000	AVERAGE
5		2483.900	15.289	29.003	44.293	-9.707	54.000	AVERAGE
6		2500.000	15.314	20.440	35.755	-18.245	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_3DH5_Hopping**

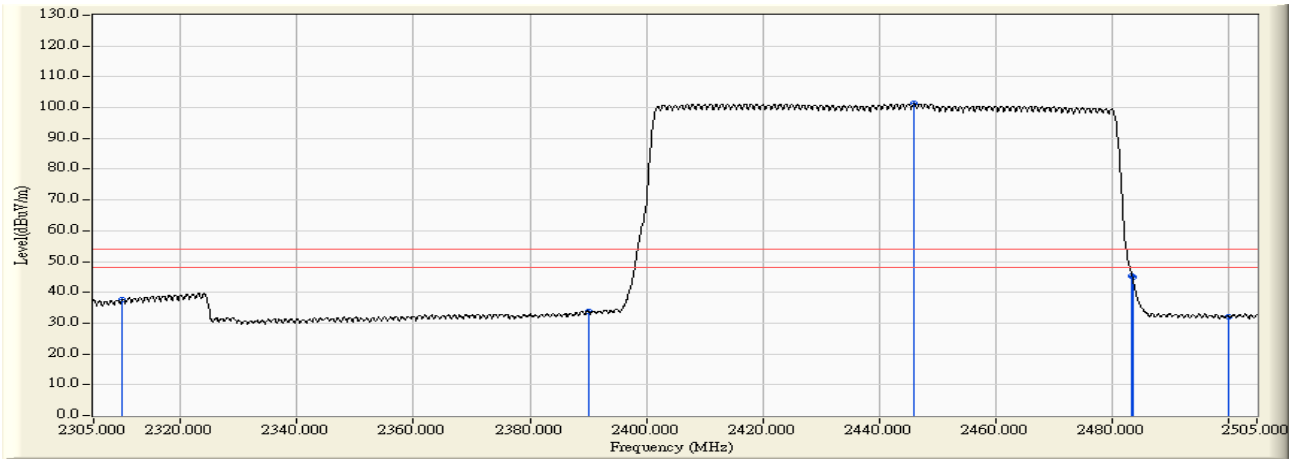


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	28.598	42.716	-31.284	74.000	PEAK
2		2390.000	14.762	27.029	41.791	-32.209	74.000	PEAK
3	*	2448.100	14.892	89.675	104.567	30.567	74.000	PEAK
4		2483.500	15.288	42.690	57.978	-16.022	74.000	PEAK
5		2483.700	15.289	41.788	57.077	-16.923	74.000	PEAK
6		2500.000	15.314	25.878	41.193	-32.807	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_3DH5_Hopping**

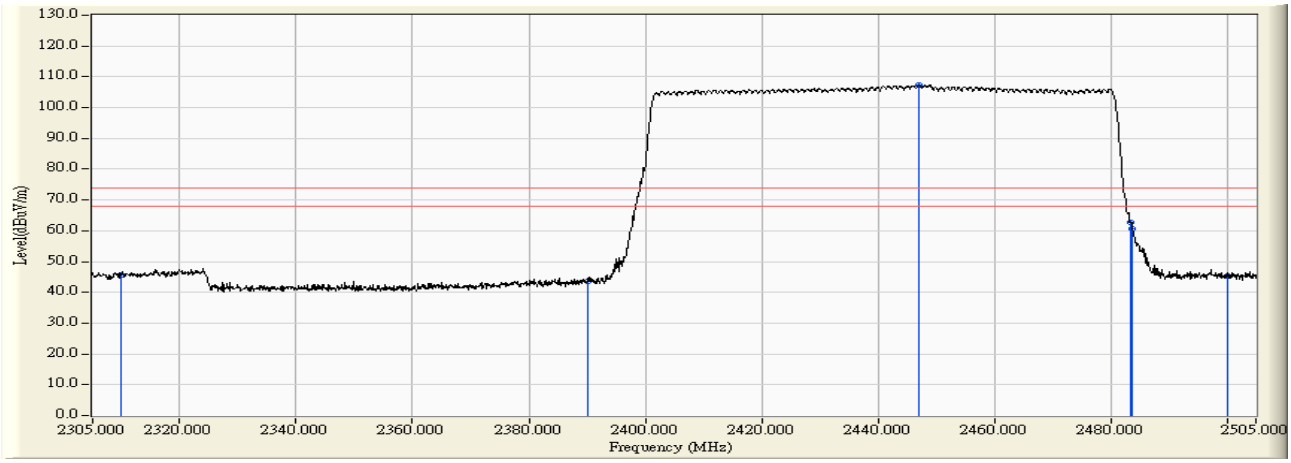


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	23.619	37.737	-16.263	54.000	AVERAGE
2		2390.000	14.762	19.113	33.875	-20.125	54.000	AVERAGE
3	*	2446.000	14.874	86.377	101.251	47.251	54.000	AVERAGE
4		2483.500	15.288	30.078	45.366	-8.634	54.000	AVERAGE
5		2483.600	15.289	29.698	44.987	-9.013	54.000	AVERAGE
6		2500.000	15.314	16.917	32.232	-21.768	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_3DH5_Hopping**

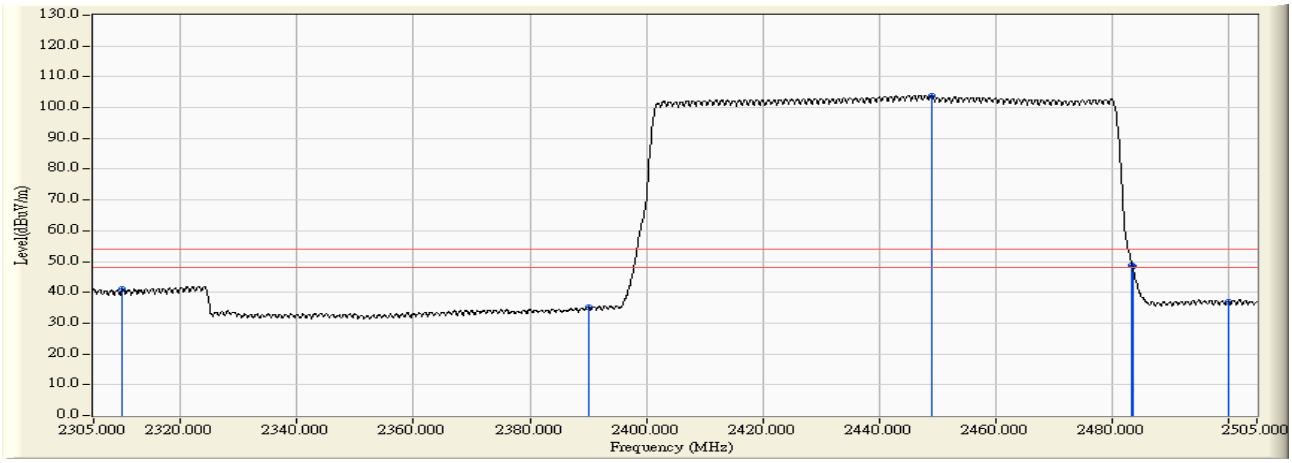


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	31.686	45.804	-28.196	74.000	PEAK
2		2390.000	14.762	28.707	43.469	-30.531	74.000	PEAK
3	*	2447.000	14.883	92.437	107.320	33.320	74.000	PEAK
4		2483.500	15.288	47.530	62.818	-11.182	74.000	PEAK
5		2483.700	15.289	45.423	60.712	-13.288	74.000	PEAK
6		2500.000	15.314	30.134	45.449	-28.551	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

Site : DEKRA Taiwan CB2-H	**Time : 2018/05/11**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : BK-T1	**Note : 802.15.1_3DH5_Hopping**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	14.118	26.878	40.996	-13.004	54.000	AVERAGE
2		2390.000	14.762	20.613	35.375	-18.625	54.000	AVERAGE
3	*	2449.100	14.901	89.084	103.985	49.985	54.000	AVERAGE
4		2483.500	15.288	33.591	48.879	-5.121	54.000	AVERAGE
5		2483.600	15.289	33.052	48.341	-5.659	54.000	AVERAGE
6		2500.000	15.314	21.765	37.080	-16.920	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 = 1MHz, 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. If the readings given are average, peak measurement should also be supplied.

7. Number of hopping frequency

7.1. Test Equipment

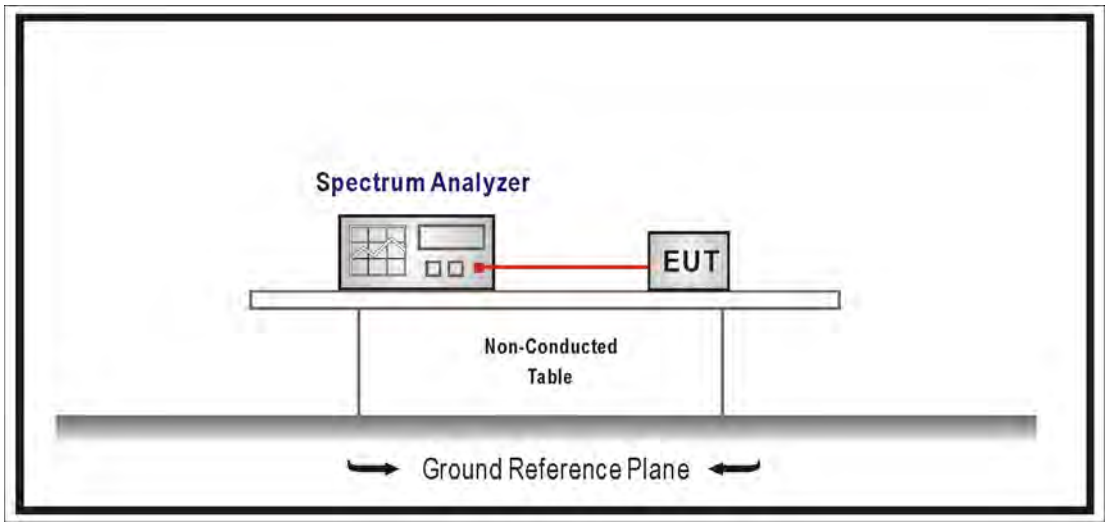
The following test equipment is used during the test:

Number of hopping frequency / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25

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

7.2. Test Setup



7.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

For frequency hopping systems operating in the 2400-2483.5 MHz bands, which use fewer than 75 hopping frequencies, may employ intelligent hopping techniques to avoid interference to other transmissions. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 non-overlapping channels are used.

For frequency hopping systems operating in the 5725-5850 MHz band shall use at least 75 hopping frequencies.

7.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements,

Span = the frequency band of operation ,RBW ≥ 1% of the span, VBW ≥ RBW,

Sweep = auto, Detector function = peak, Trace = max hold.

7.5. Test Specification

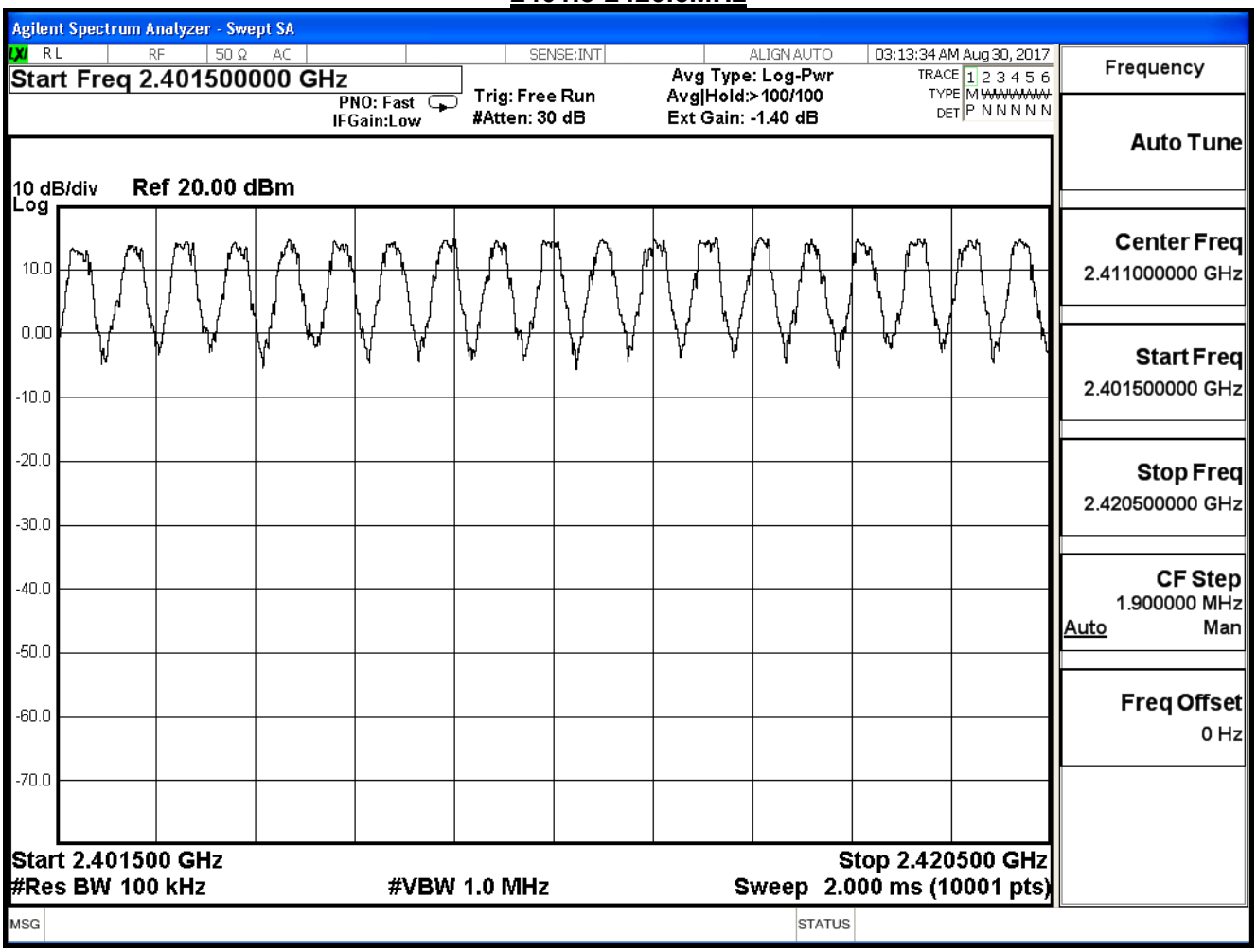
According to FCC Part 15 Subpart C Paragraph 15.247: 2016

7.6. Test Result

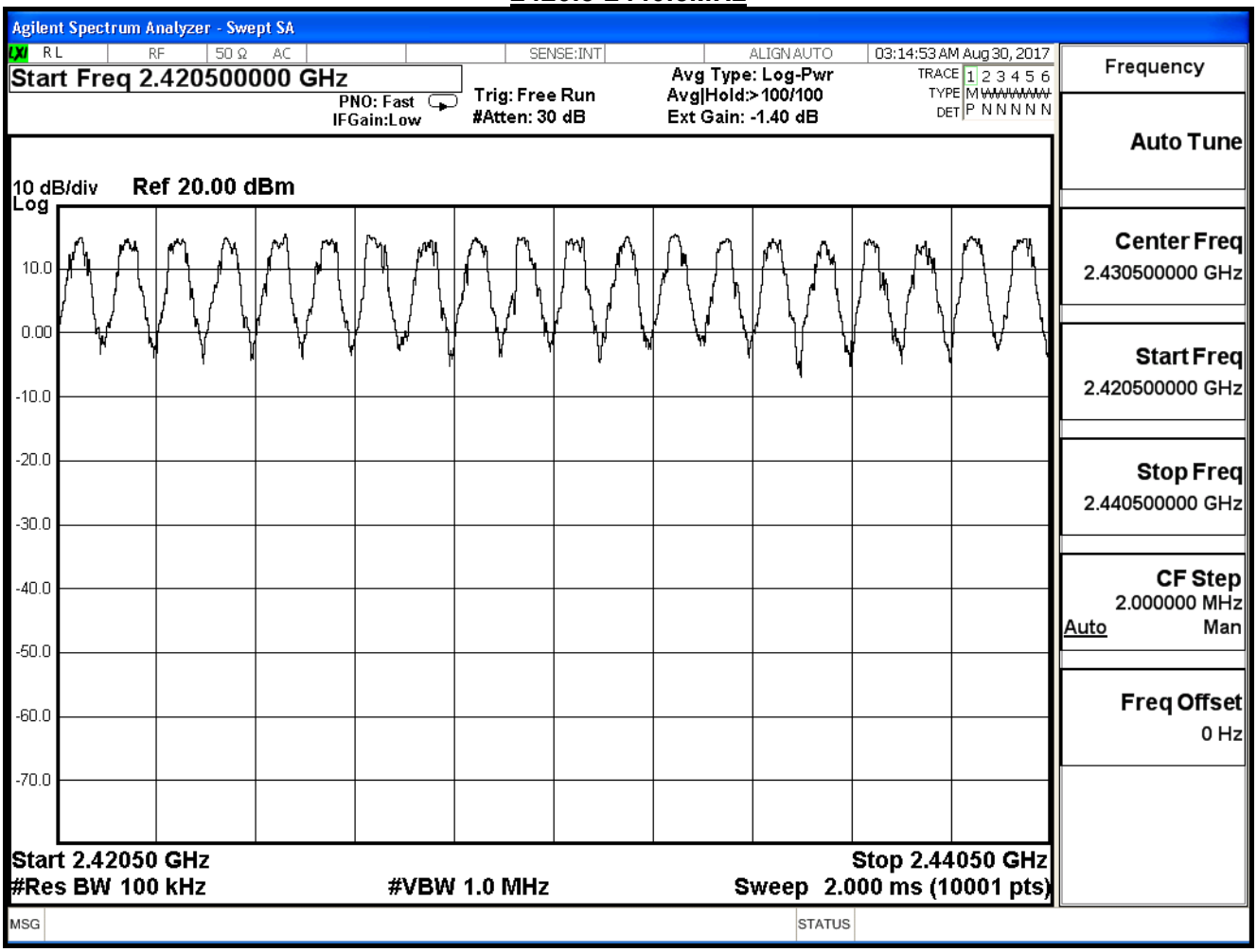
Product	BK-T1		
Test Item	Number of hopping frequency		
Test Mode	Mode 1: Transmit_DH5		
Date of Test	2017/08/30	Test Site	SR10-H

Frequency Range (MHz)	Measure Level (Channels)	Limit (Channels)	Result
2402 - 2480	79	≧ 15	Pass

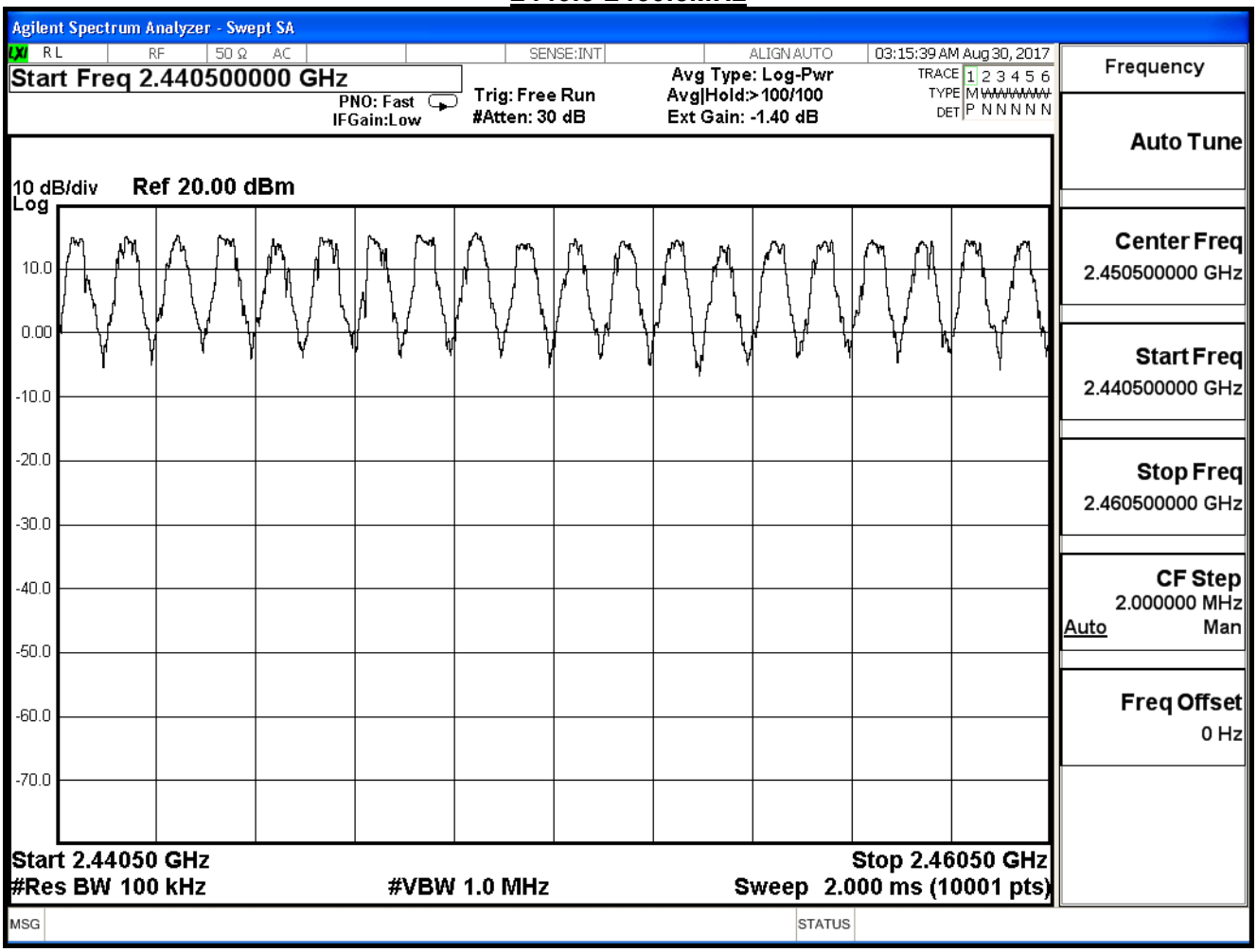
2401.5-2420.5MHz



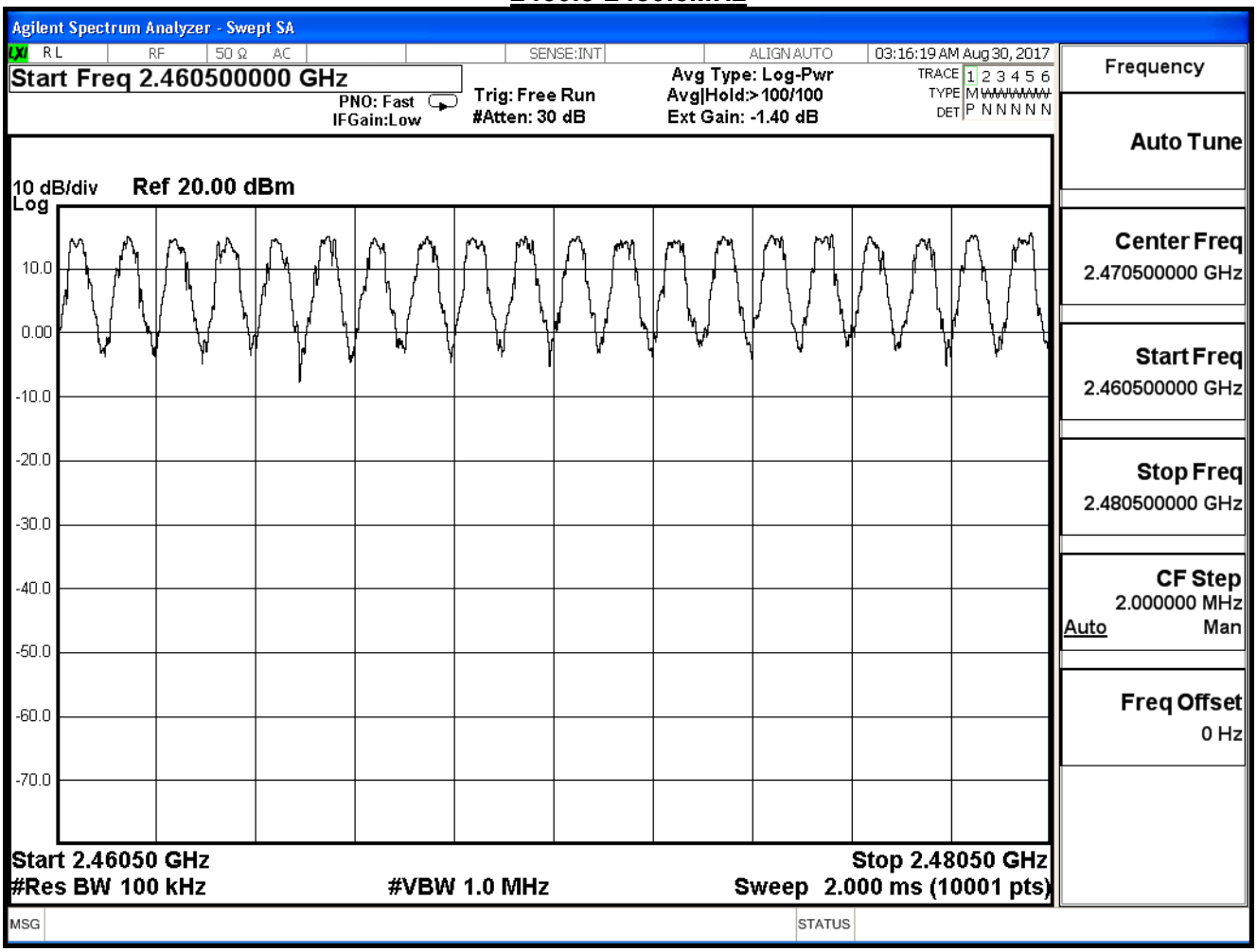
2420.5-2440.5MHz



2440.5-2460.5MHz



2460.5-2480.5MHz



8. Carrier Frequency Separation

8.1. Test Equipment

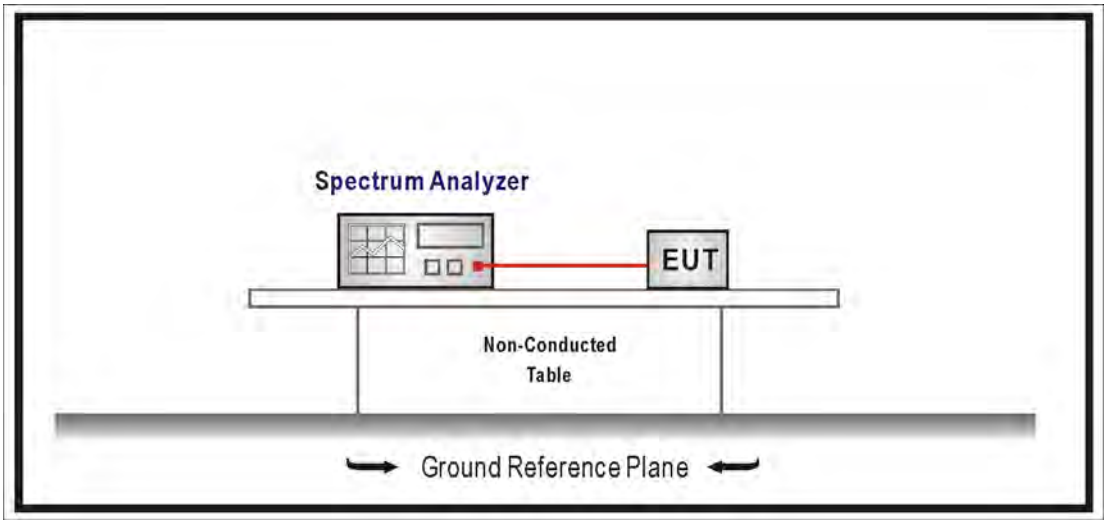
The following test equipment is used during the test:

Carrier Frequency Separation / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25

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

8.2. Test Setup



8.3. Limits

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

8.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Span = wide enough to capture the peaks of two adjacent channels

Resolution Bandwidth (RBW) ≥ 1% of the span, VBW ≥ RBW

Sweep = auto, Detector function = peak, Trace = max hold

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2016

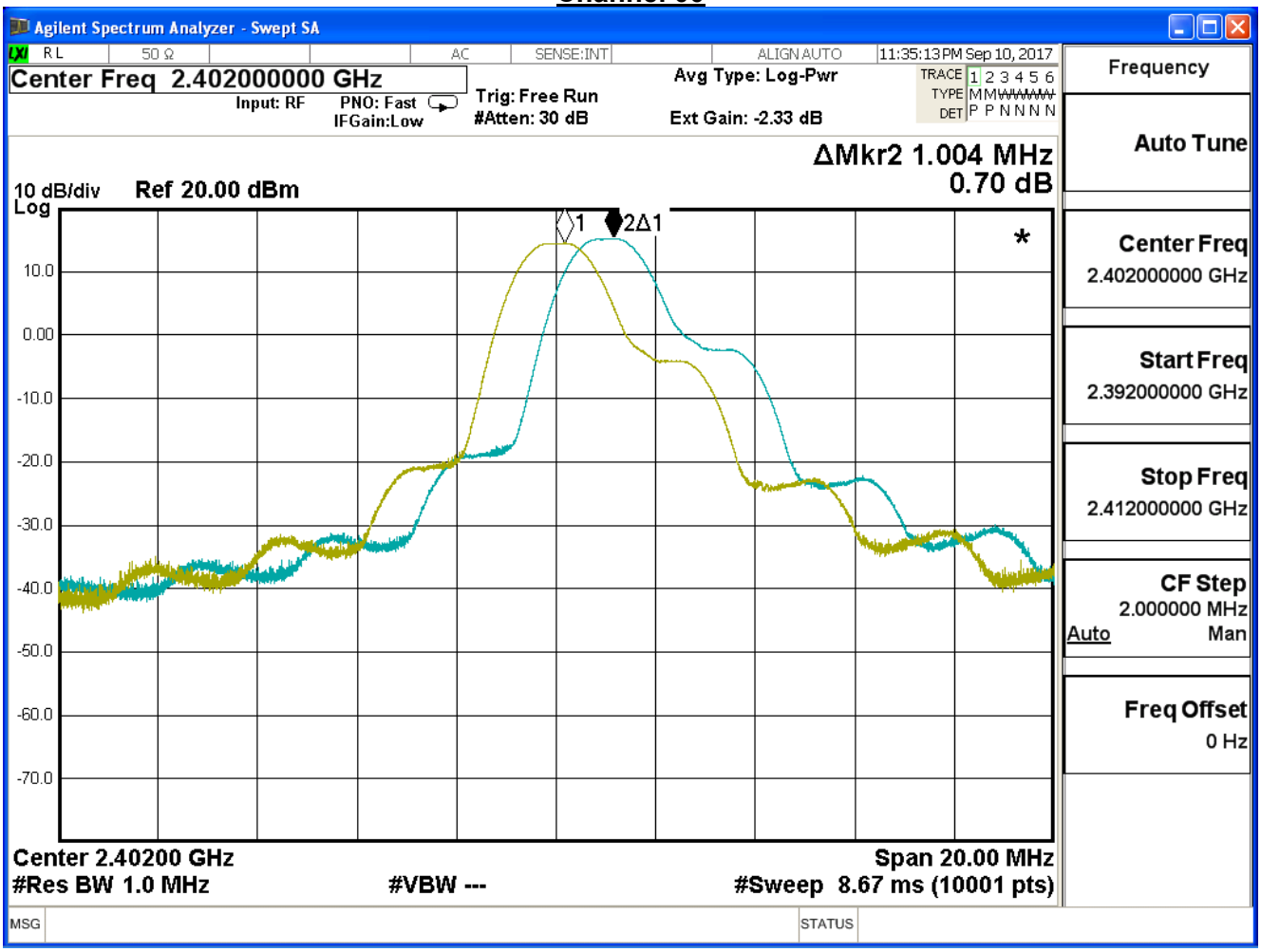
8.6. Test Result

Product	BK-T1		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit_DH5		
Date of Test	2017/09/10	Test Site	SR10-H

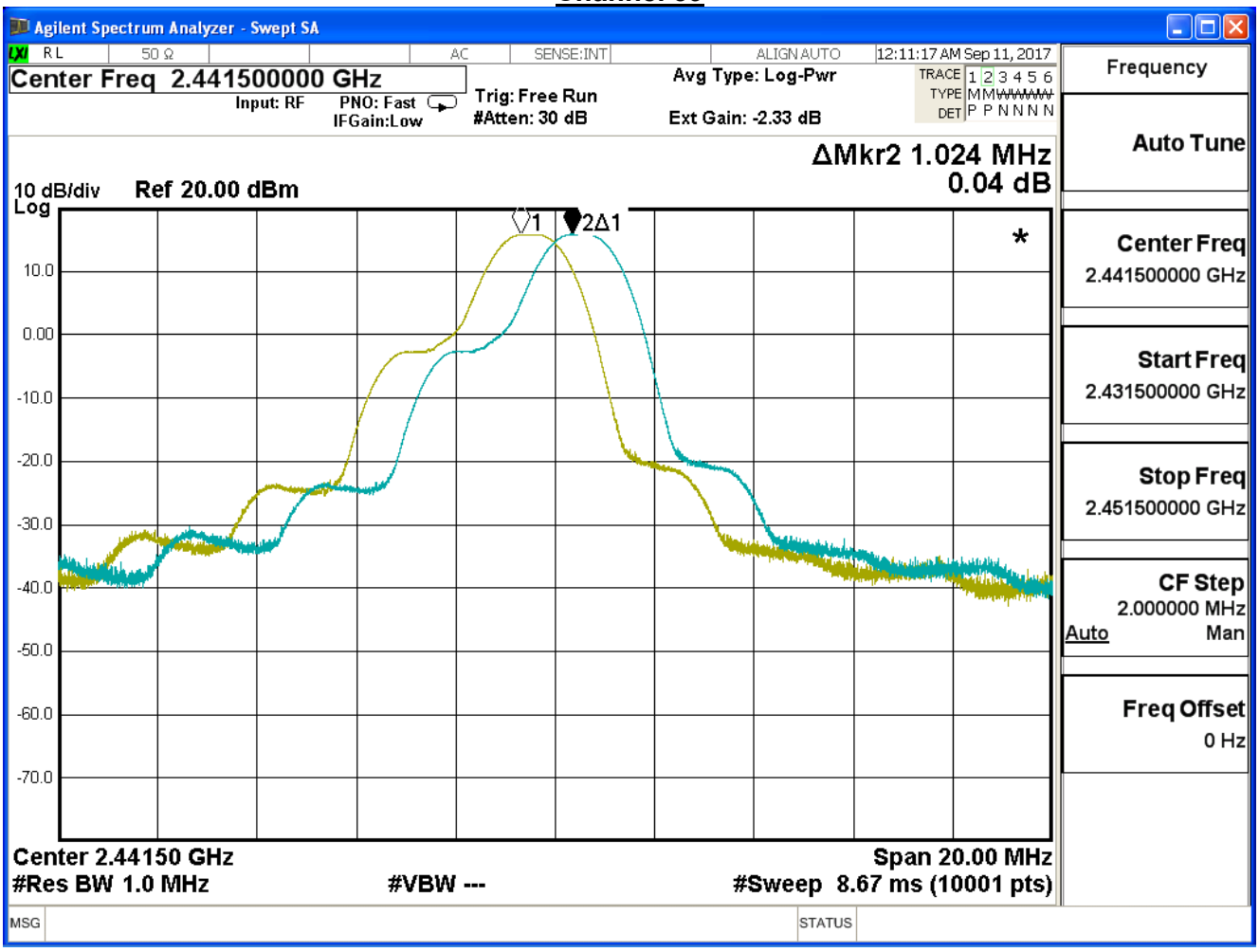
GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.004	> 0.747	Pass
39	2441	1.024	> 0.746	Pass
78	2480	0.972	> 0.744	Pass

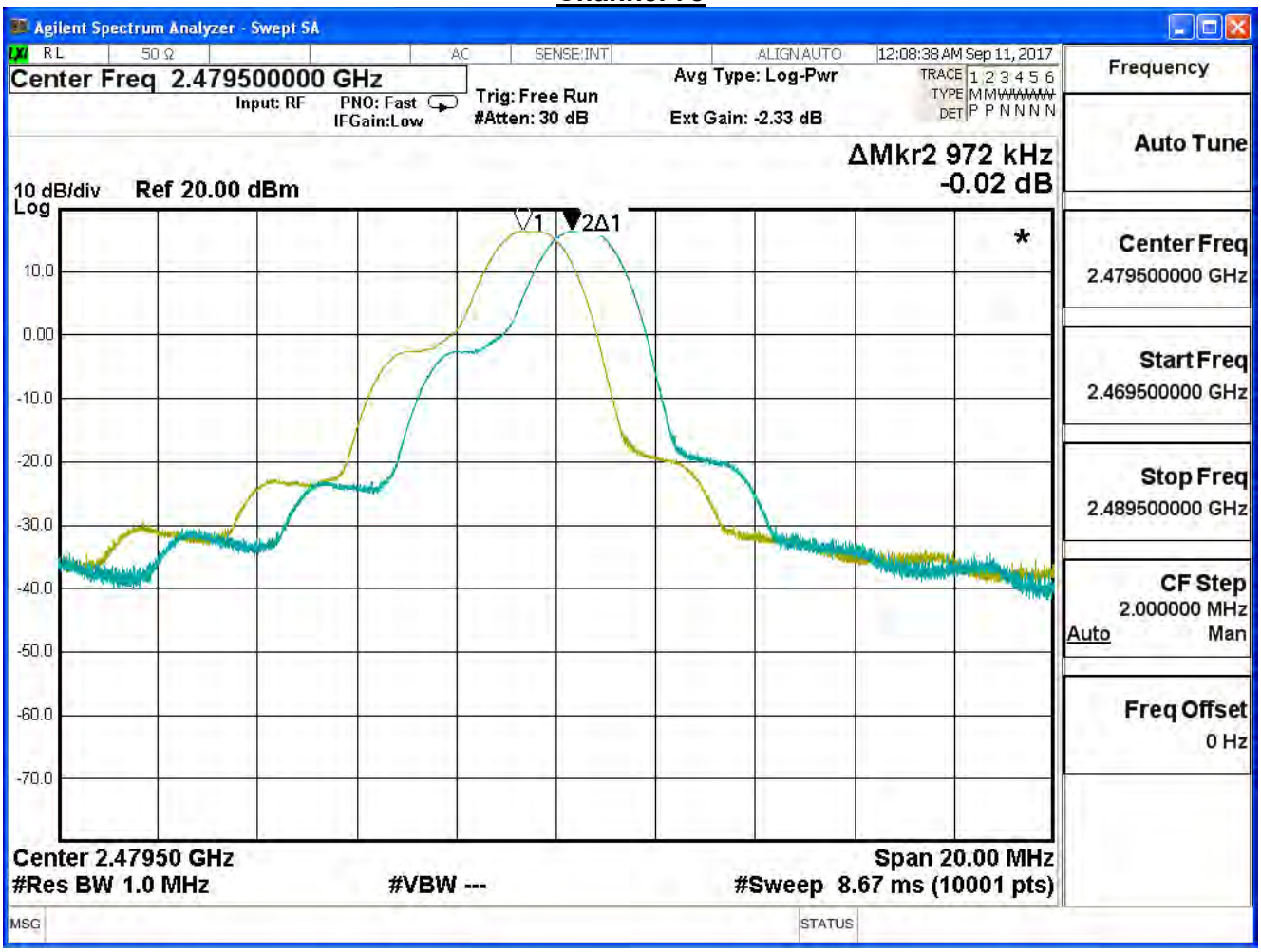
Channel 00



Channel 39


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:11:17 AM Sep 11, 2017
Center Freq 2.441500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ext Gain: -2.33 dB
TRACE 1 2 3 4 5 6
TYPE MMWWWWW
DET P P N N N N
ΔMkr2 1.024 MHz
0.04 dB
10 dB/div
Log
Ref 20.00 dBm
1
2Δ1
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.44150 GHz
#Res BW 1.0 MHz
#VBW ---
Span 20.00 MHz
#Sweep 8.67 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.441500000 GHz
Start Freq
2.431500000 GHz
Stop Freq
2.451500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 78

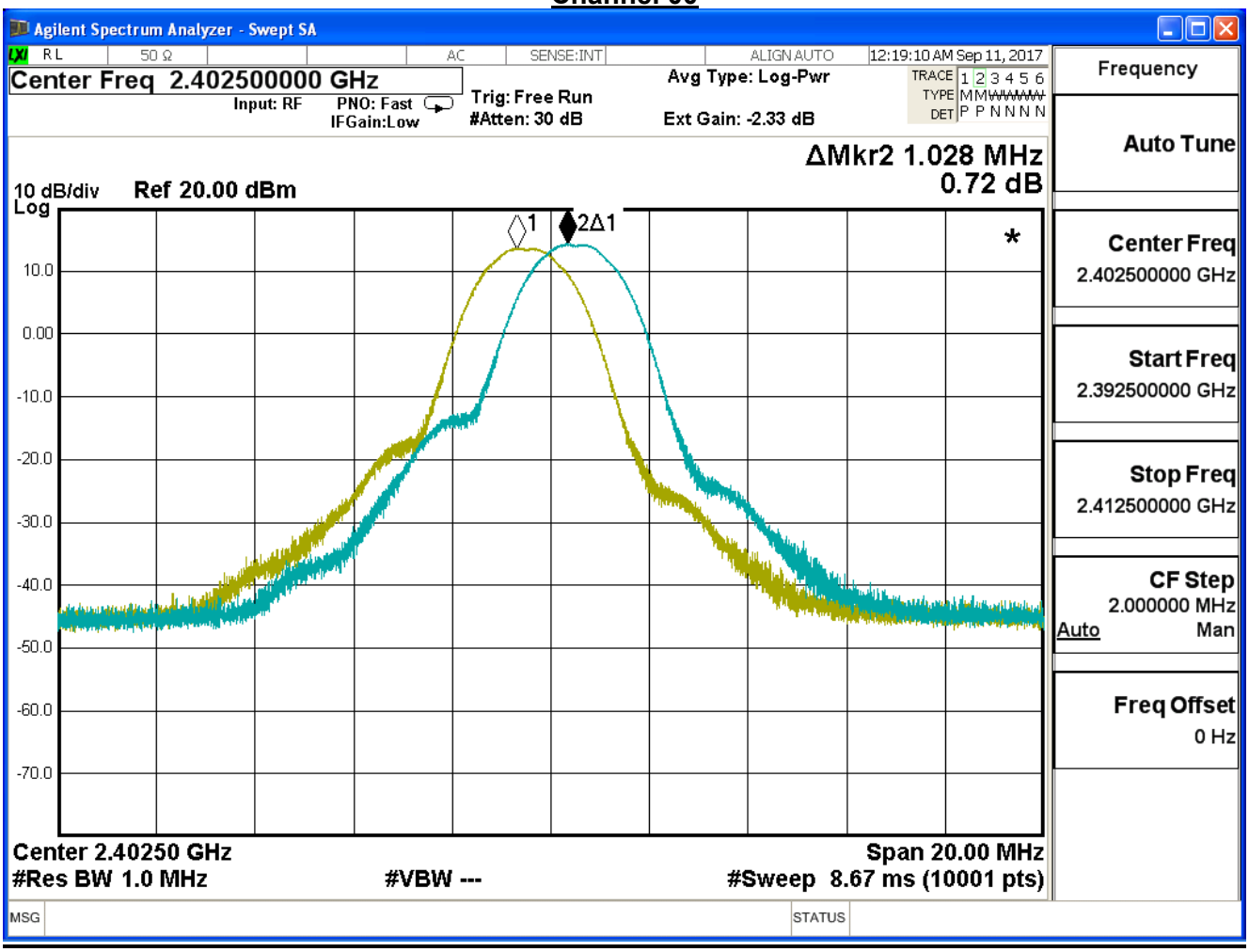

Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:08:38 AM Sep 11, 2017
Center Freq 2.479500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ext Gain: -2.33 dB
TRACE 1 2 3 4 5 6
TYPE M M W W W W W
DET P P N N N N N
ΔMkr2 972 kHz
-0.02 dB
10 dB/div
Log
Ref 20.00 dBm
1
2Δ1
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.47950 GHz
#Res BW 1.0 MHz
#VBW ---
Span 20.00 MHz
#Sweep 8.67 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.479500000 GHz
Start Freq
2.469500000 GHz
Stop Freq
2.489500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	BK-T1		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 2: Transmit_2DH5		
Date of Test	2017/09/10	Test Site	SR10-H

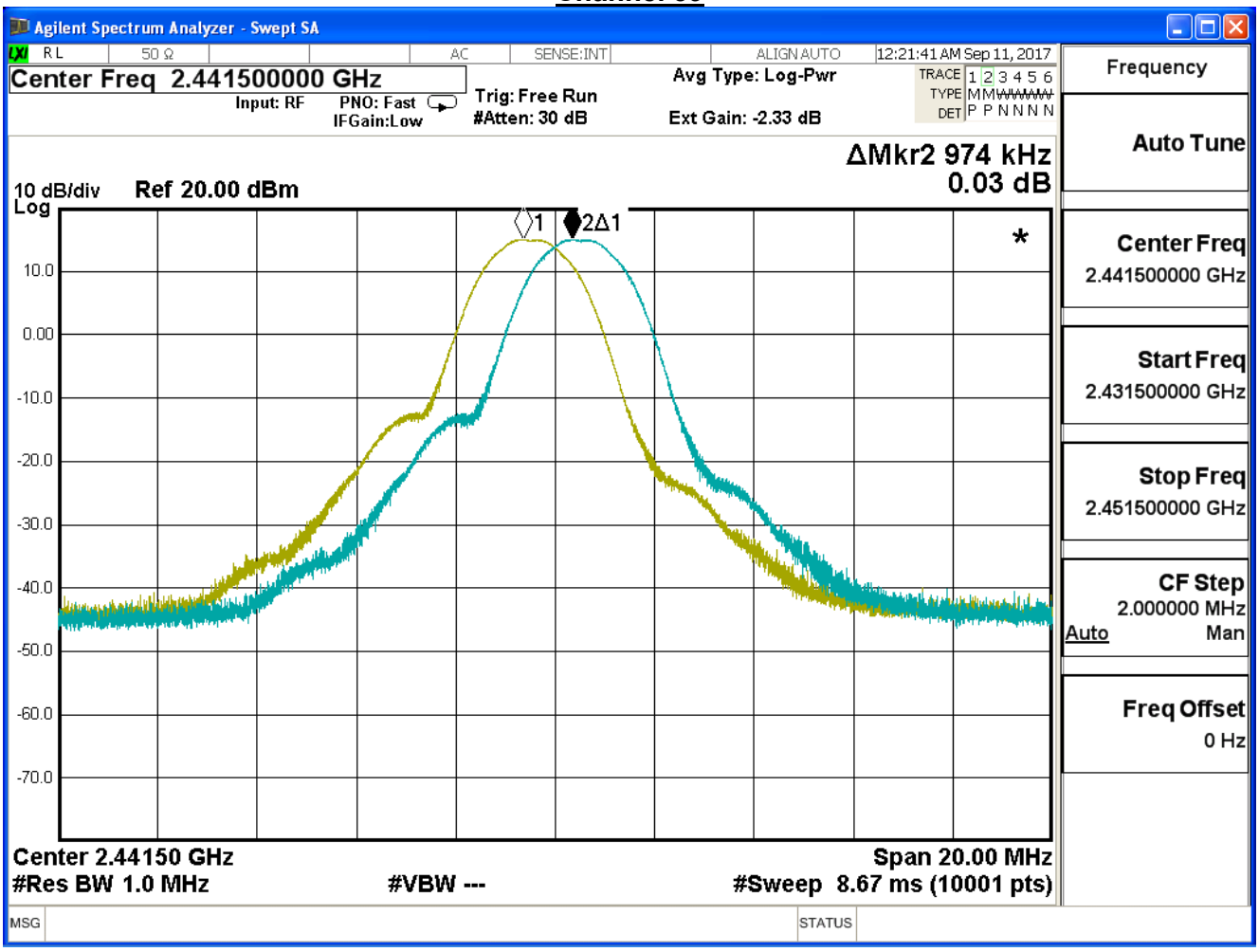
π/4-DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.028	> 0.912	Pass
39	2441	0.974	> 0.915	Pass
78	2480	0.950	> 0.913	Pass

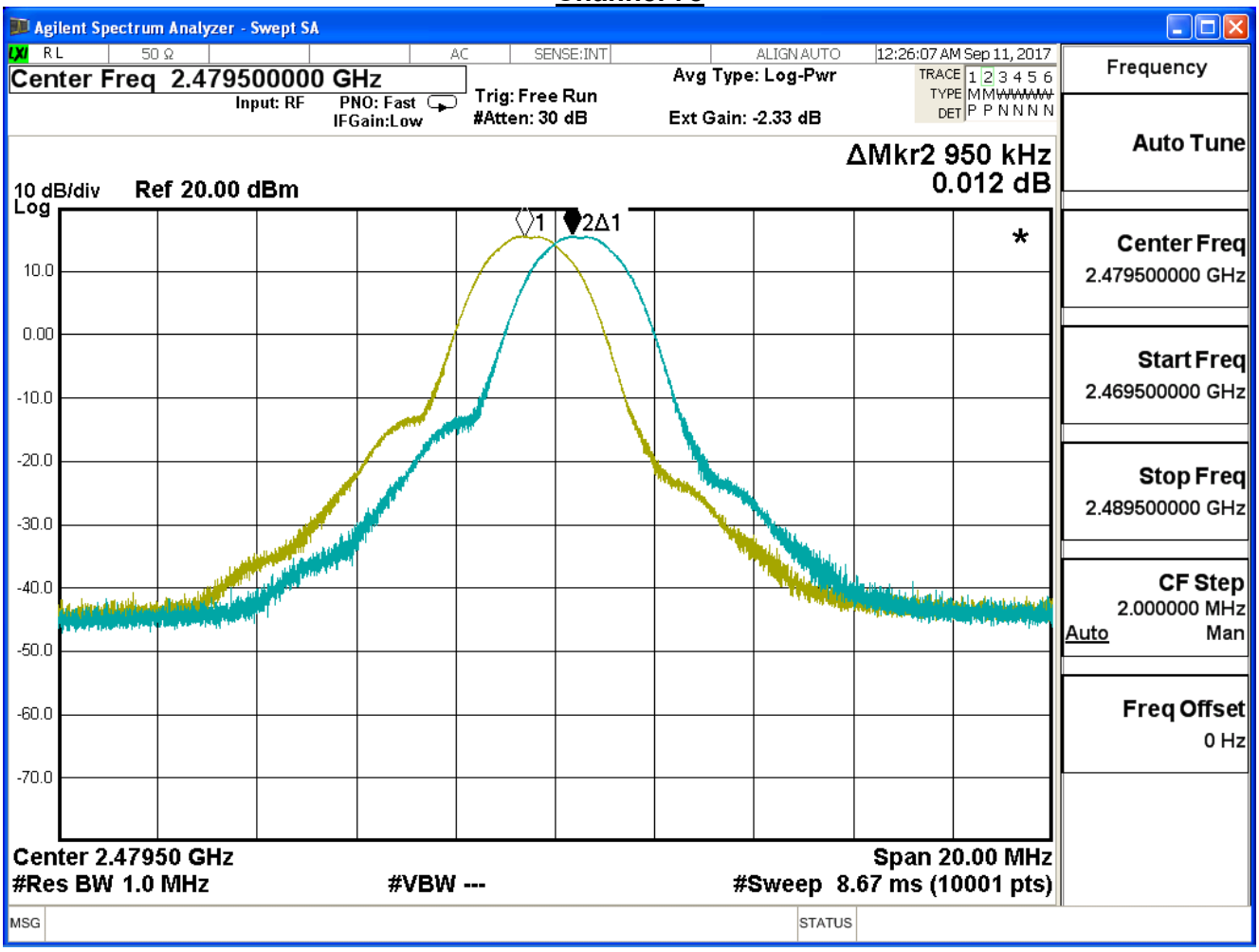
Channel 00



Channel 39


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:21:41 AM Sep 11, 2017
Center Freq 2.441500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ext Gain: -2.33 dB
TRACE 1 2 3 4 5 6
TYPE MMWWWW
DET P P N N N N
ΔMkr2 974 kHz
0.03 dB
10 dB/div
Log
Ref 20.00 dBm
1
2Δ1
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.44150 GHz
#Res BW 1.0 MHz
#VBW ---
Span 20.00 MHz
#Sweep 8.67 ms (10001 pts)
Frequency
Auto Tune
Center Freq
2.441500000 GHz
Start Freq
2.431500000 GHz
Stop Freq
2.451500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Channel 78

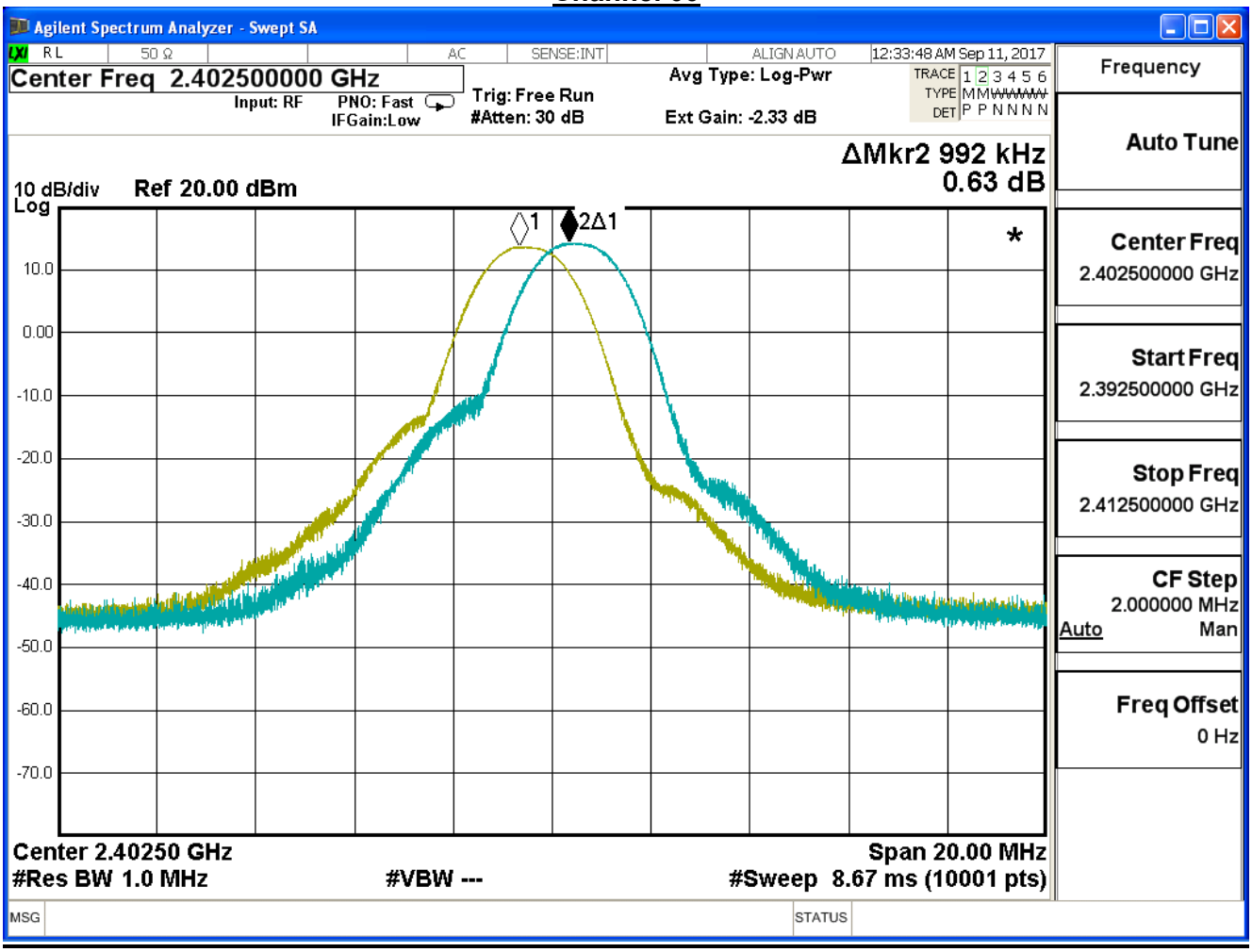

Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:26:07 AM Sep 11, 2017
Center Freq 2.479500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ext Gain: -2.33 dB
TRACE 1 2 3 4 5 6
TYPE MMWWWWW
DET P P N N N N
ΔMkr2 950 kHz
0.012 dB
10 dB/div
Log
Ref 20.00 dBm
1
2Δ1
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.47950 GHz
#Res BW 1.0 MHz
#VBW ---
Span 20.00 MHz
#Sweep 8.67 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.479500000 GHz
Start Freq
2.469500000 GHz
Stop Freq
2.489500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	BK-T1		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 3: Transmit_3DH5		
Date of Test	2017/09/10	Test Site	SR10-H

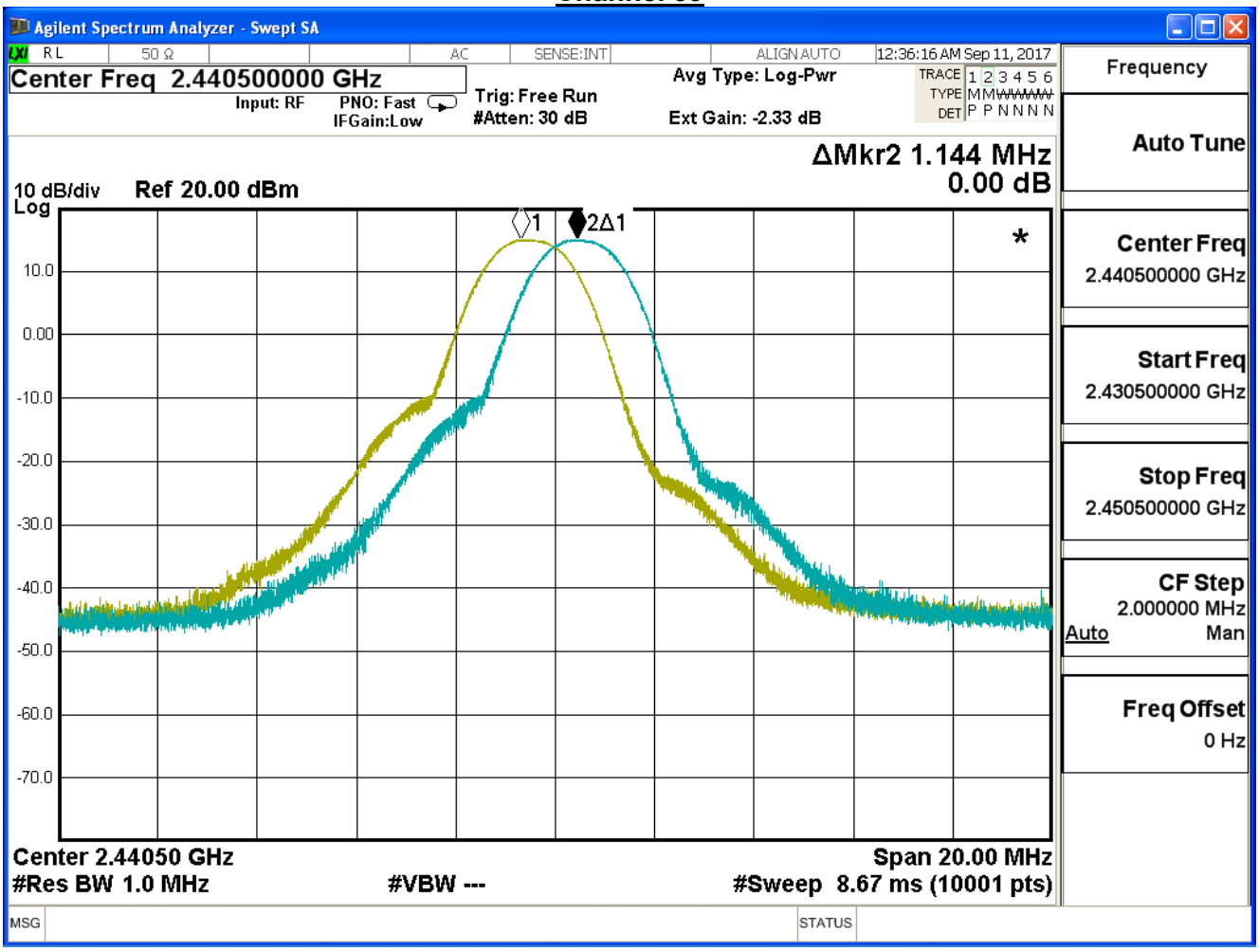
8-DPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	0.992	> 0.927	Pass
39	2441	1.144	> 0.918	Pass
78	2480	1.010	> 0.910	Pass

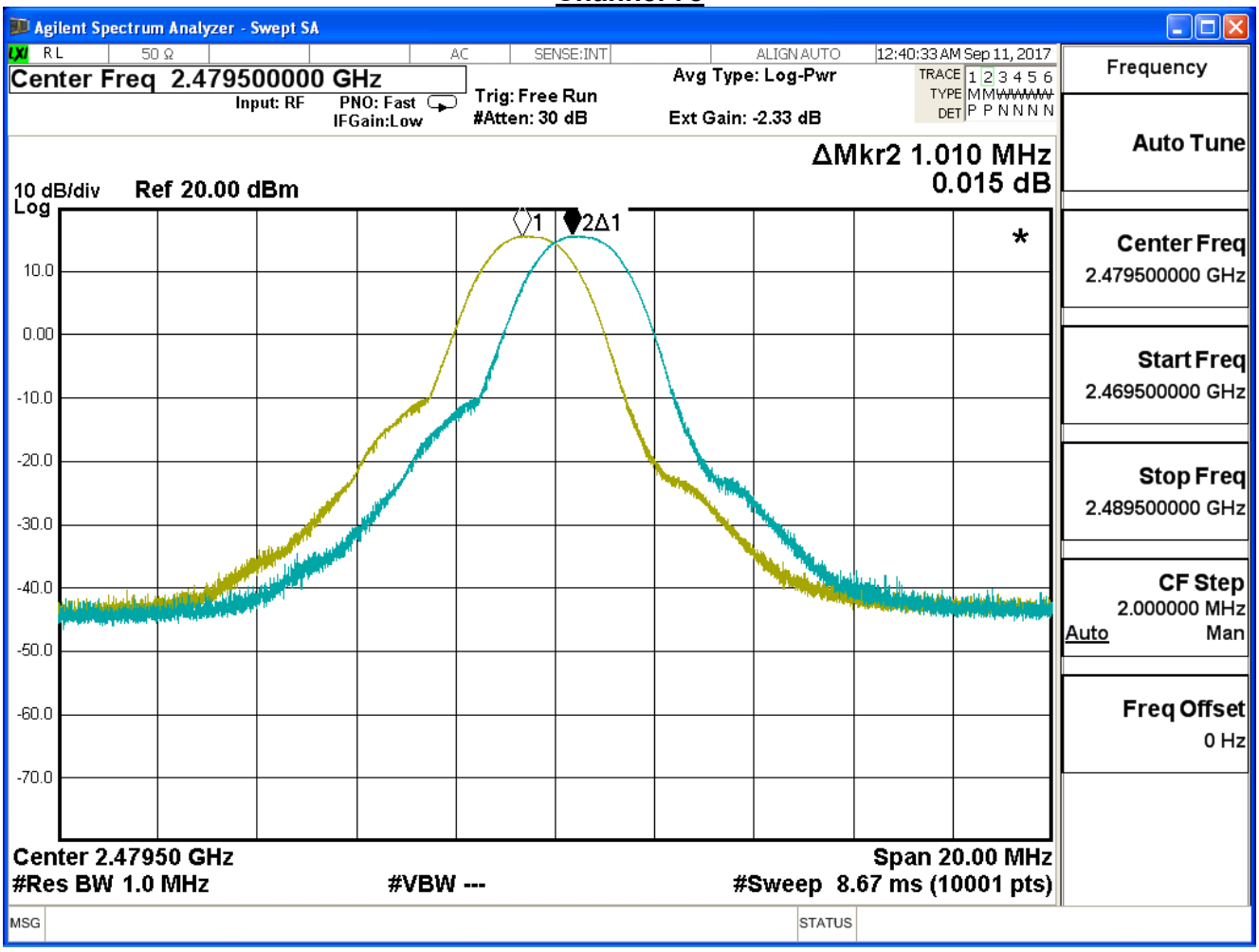
Channel 00



Channel 39


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:36:16 AM Sep 11, 2017
Center Freq 2.440500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ext Gain: -2.33 dB
TRACE 1 2 3 4 5 6
TYPE MMWWWW
DET P P N N N N
ΔMkr2 1.144 MHz
0.00 dB
10 dB/div
Log
Ref 20.00 dBm
1
2Δ1
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.44050 GHz
#Res BW 1.0 MHz
#VBW ---
Span 20.00 MHz
#Sweep 8.67 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.440500000 GHz
Start Freq
2.430500000 GHz
Stop Freq
2.450500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 78


Agilent Spectrum Analyzer - Swept SA
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
12:40:33 AM Sep 11, 2017
Center Freq 2.479500000 GHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ext Gain: -2.33 dB
TRACE 1 2 3 4 5 6
TYPE MMWWWW
DET P P N N N N
ΔMkr2 1.010 MHz
0.015 dB
10 dB/div
Log
Ref 20.00 dBm
1
2Δ1
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.47950 GHz
#Res BW 1.0 MHz
#VBW ---
Span 20.00 MHz
#Sweep 8.67 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.479500000 GHz
Start Freq
2.469500000 GHz
Stop Freq
2.489500000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

9. Occupied Bandwidth

9.1. Test Equipment

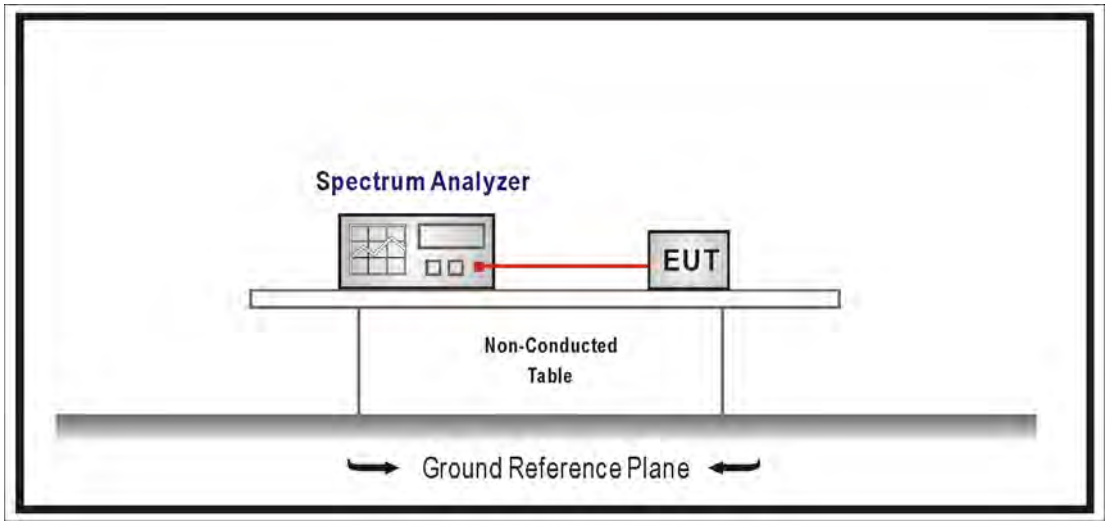
The following test equipment is used during the test:

Occupied Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25

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

9.2. Test Setup



9.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.
For frequency hopping systems operating in the 5725-5850 MHz bands. The maximum 20 dB bandwidth of the hopping channel is 1 MHz.
For frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

9.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements
Use the following spectrum analyzer settings:
Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel RBW ≥ 1% of the 20 dB bandwidth, VBW ≥ RBW , Sweep = auto, Detector function = peak, Trace = max hold , The EUT should be transmitting at its maximum data rate.

9.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2016

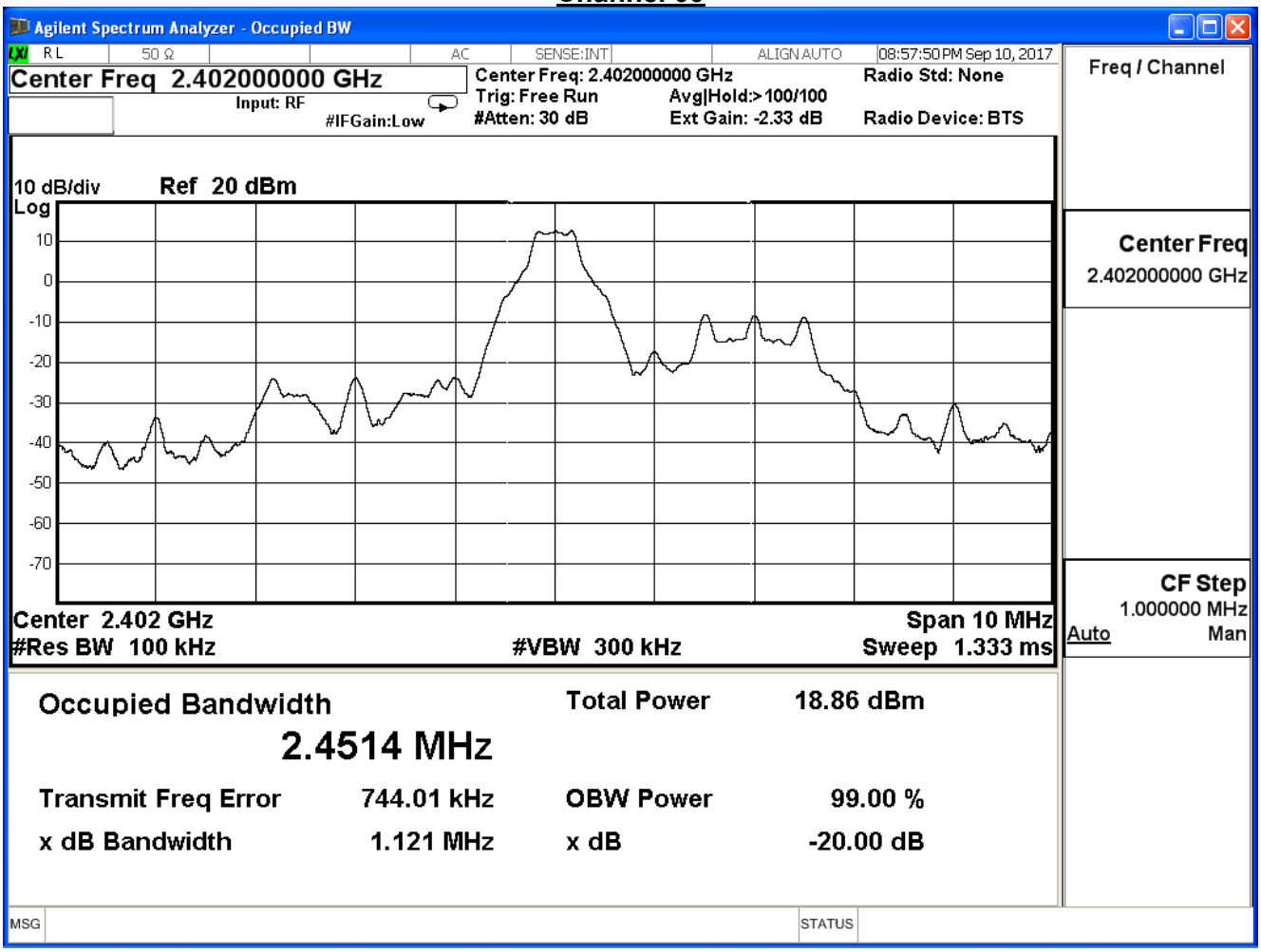
9.6. Test Result

Product	BK-T1		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_DH5		
Date of Test	2017/09/10	Test Site	SR10-H

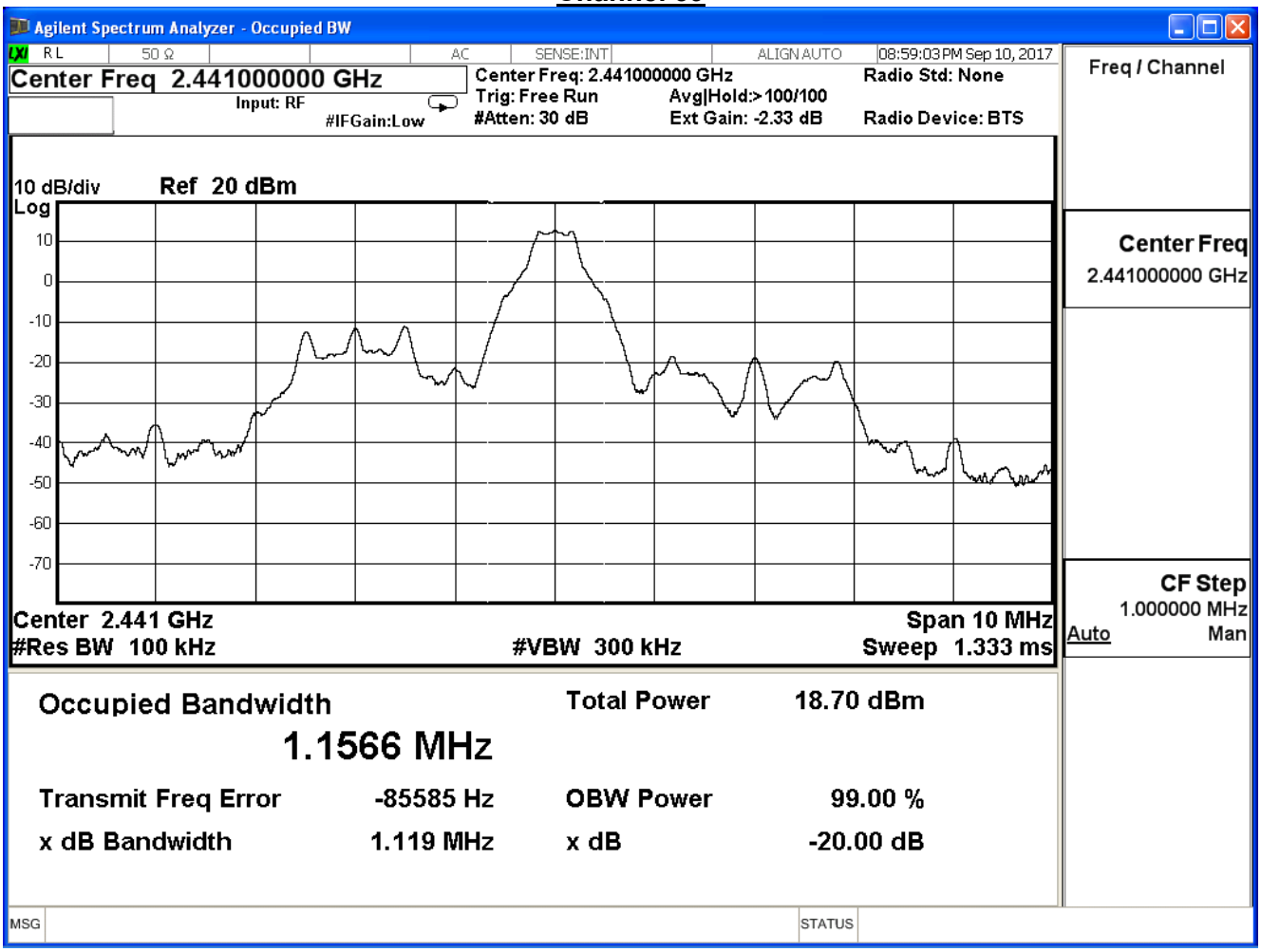
GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.121	--	Pass
39	2441	1.119	--	Pass
78	2480	1.116	--	Pass

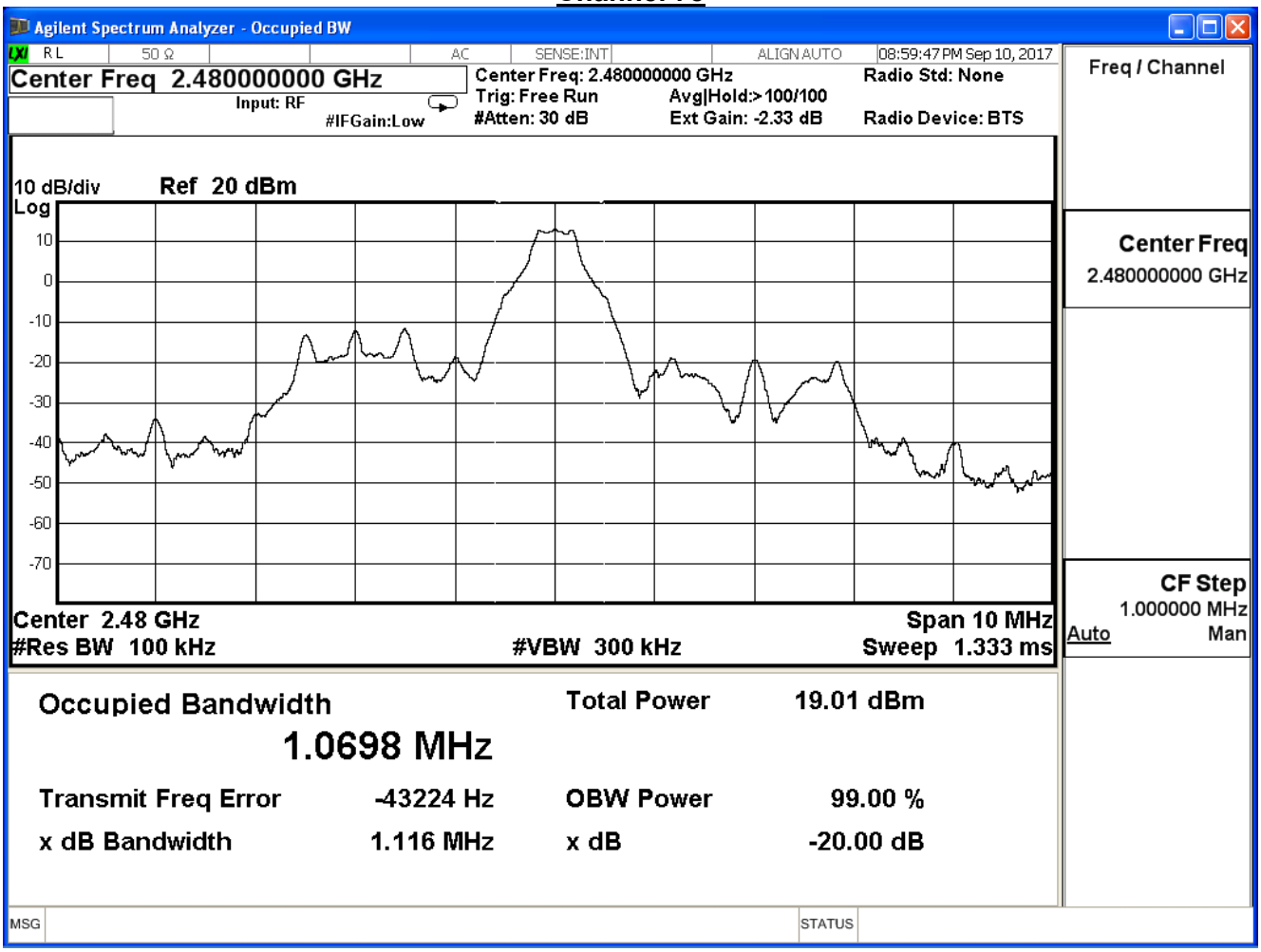
Channel 00



Channel 39


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:59:03 PM Sep 10, 2017
Center Freq 2.441000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.441000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.33 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.441000000 GHz
Center 2.441 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 10 MHz
Sweep 1.333 ms
CF Step
1.000000 MHz
Auto
Man
Occupied Bandwidth
1.1566 MHz
Total Power
18.70 dBm
Transmit Freq Error
-85585 Hz
OBW Power
99.00 %
x dB Bandwidth
1.119 MHz
x dB
-20.00 dB
MSG
STATUS

Channel 78

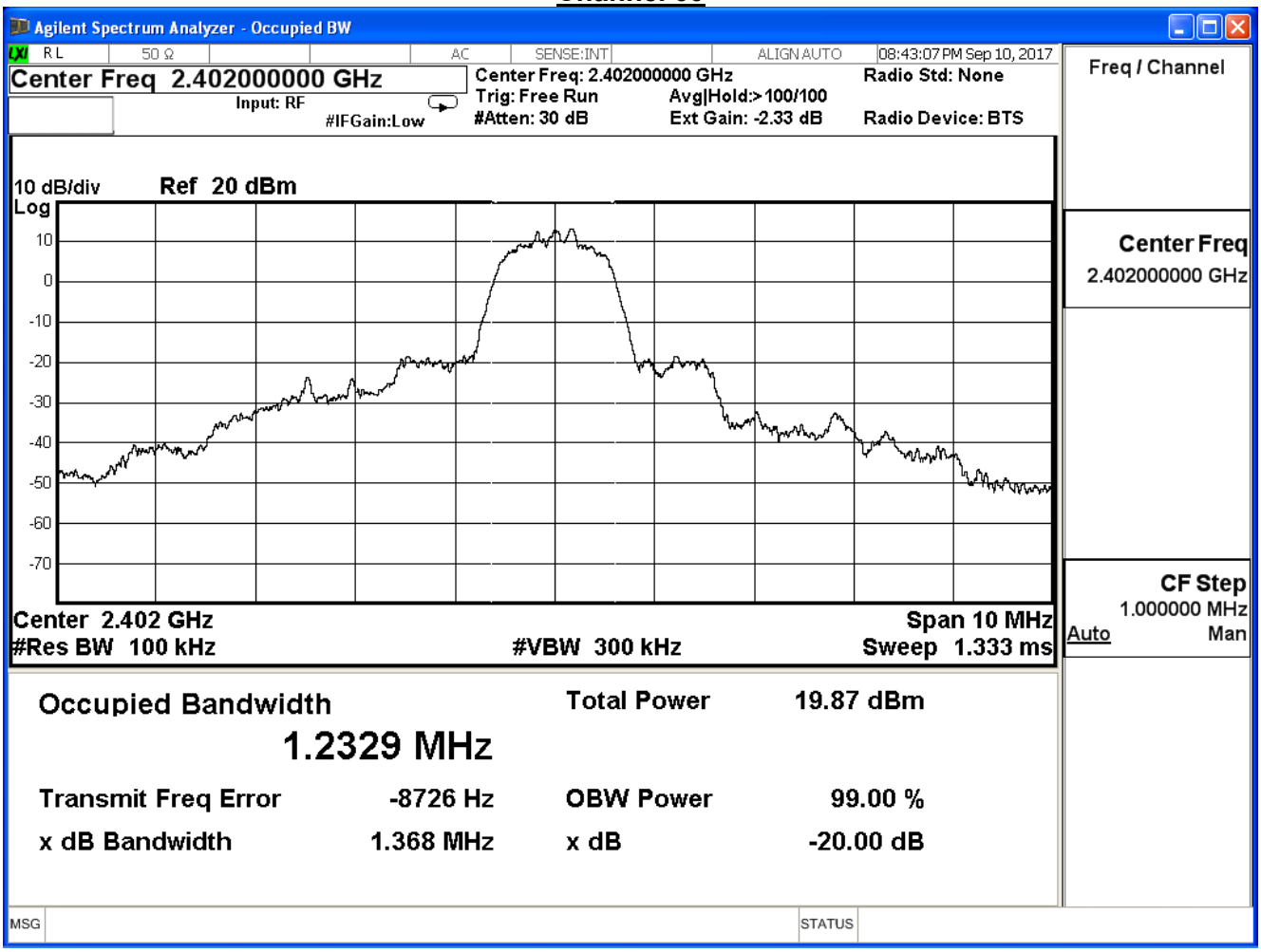

Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:59:47 PM Sep 10, 2017
Center Freq 2.480000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.33 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.480000000 GHz
Center 2.48 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 10 MHz
Sweep 1.333 ms
CF Step
1.000000 MHz
Auto
Man
Occupied Bandwidth
1.0698 MHz
Total Power
19.01 dBm
Transmit Freq Error
-43224 Hz
OBW Power
99.00 %
x dB Bandwidth
1.116 MHz
x dB
-20.00 dB
MSG
STATUS

Product	BK-T1		
Test Item	Occupied Bandwidth		
Test Mode	Mode 2: Transmit_2DH5		
Date of Test	2017/09/10	Test Site	SR10-H

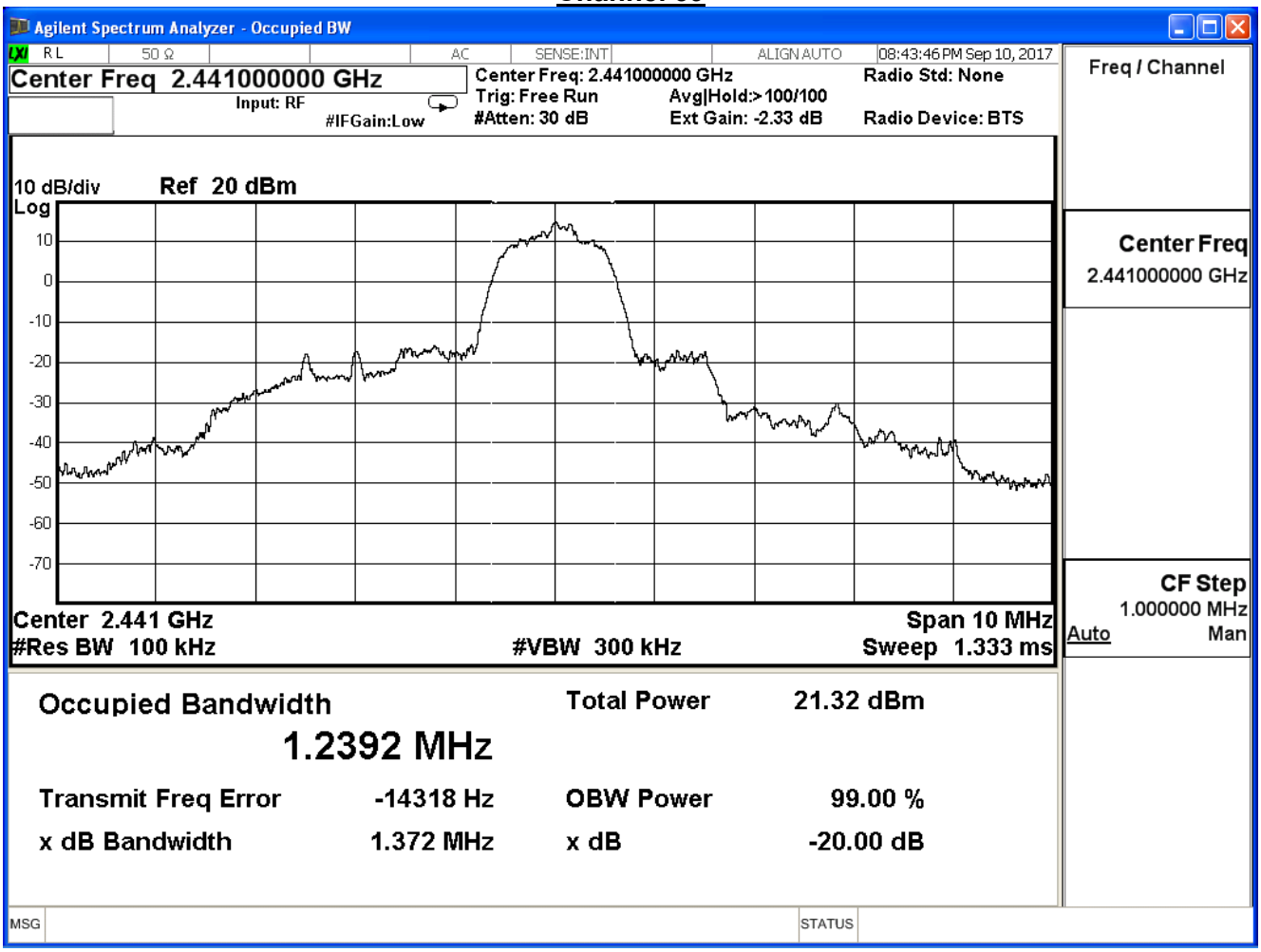
π/4-DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.368	--	Pass
39	2441	1.372	--	Pass
78	2480	1.370	--	Pass

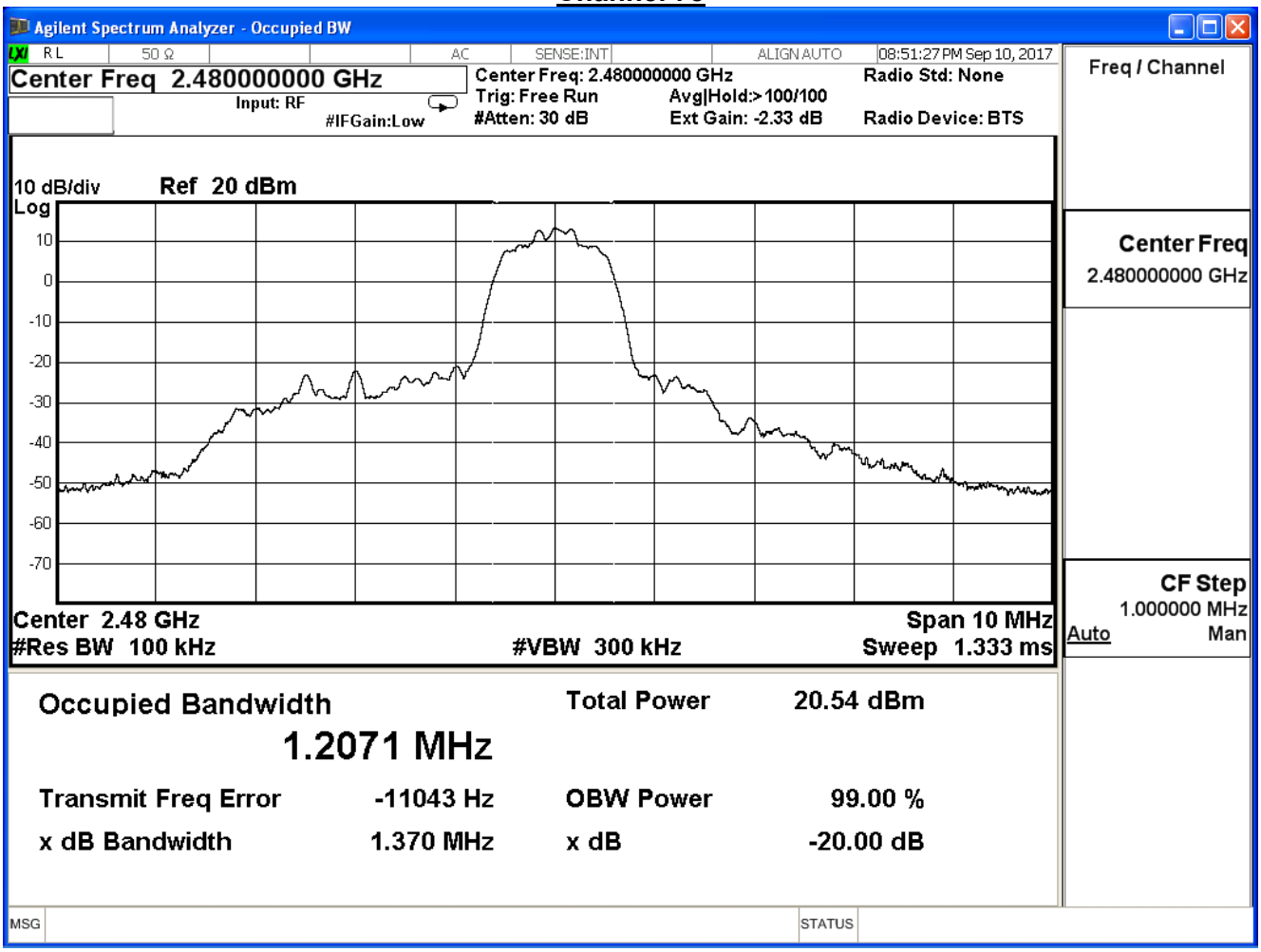
Channel 00



Channel 39


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:43:46 PM Sep 10, 2017
Center Freq 2.441000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.441000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.33 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.441000000 GHz
Center 2.441 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 10 MHz
Sweep 1.333 ms
CF Step
1.000000 MHz
Auto
Man
Occupied Bandwidth
1.2392 MHz
Total Power
21.32 dBm
Transmit Freq Error
-14318 Hz
OBW Power
99.00 %
x dB Bandwidth
1.372 MHz
x dB
-20.00 dB
MSG
STATUS

Channel 78

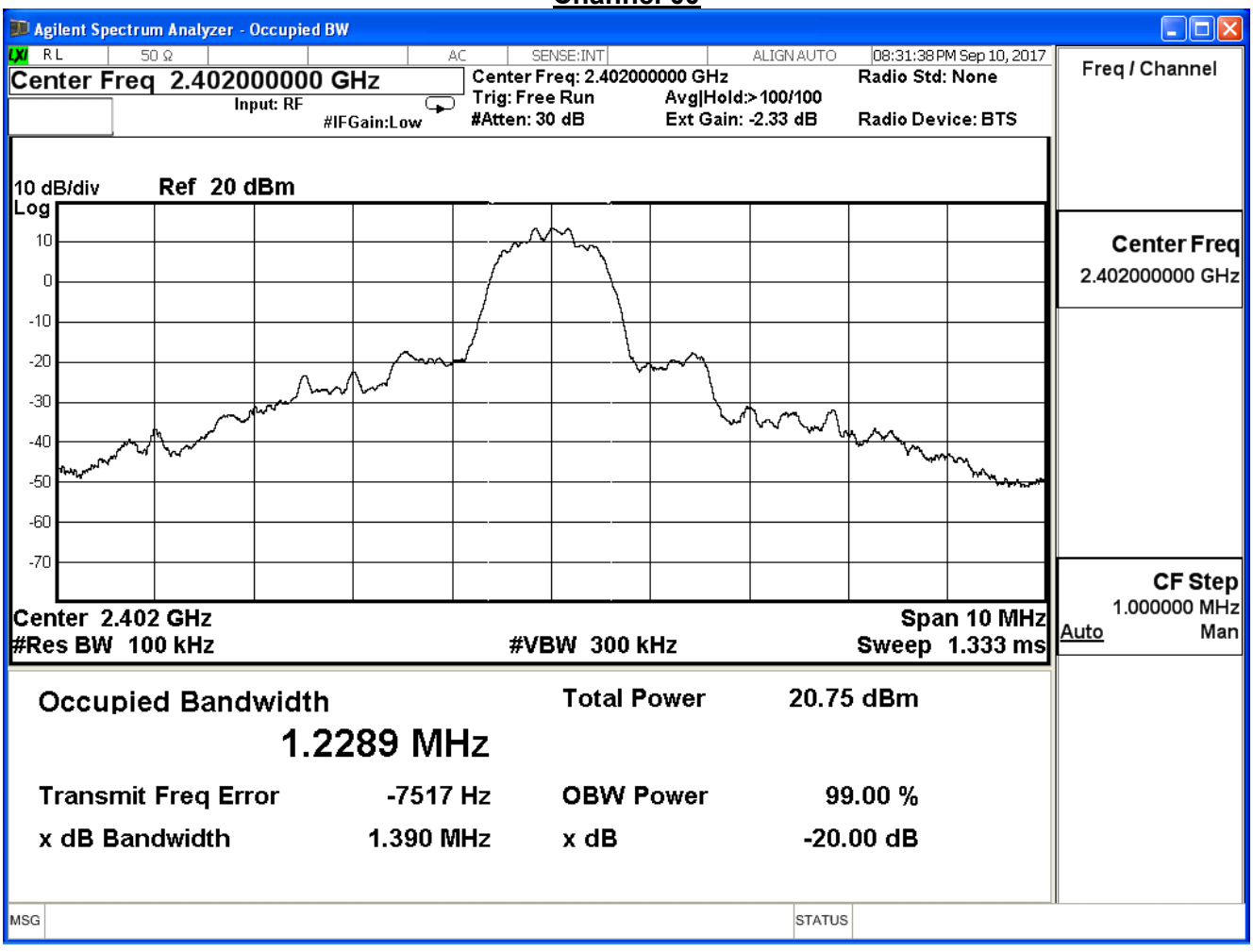

Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:51:27 PM Sep 10, 2017
Center Freq 2.480000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.33 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.480000000 GHz
CF Step
1.000000 MHz
Auto
Man
Center 2.48 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 10 MHz
Sweep 1.333 ms
Occupied Bandwidth
1.2071 MHz
Total Power
20.54 dBm
Transmit Freq Error
-11043 Hz
OBW Power
99.00 %
x dB Bandwidth
1.370 MHz
x dB
-20.00 dB
MSG
STATUS

Product	BK-T1		
Test Item	Occupied Bandwidth		
Test Mode	Mode 3: Transmit_3DH5		
Date of Test	2017/09/10	Test Site	SR10-H

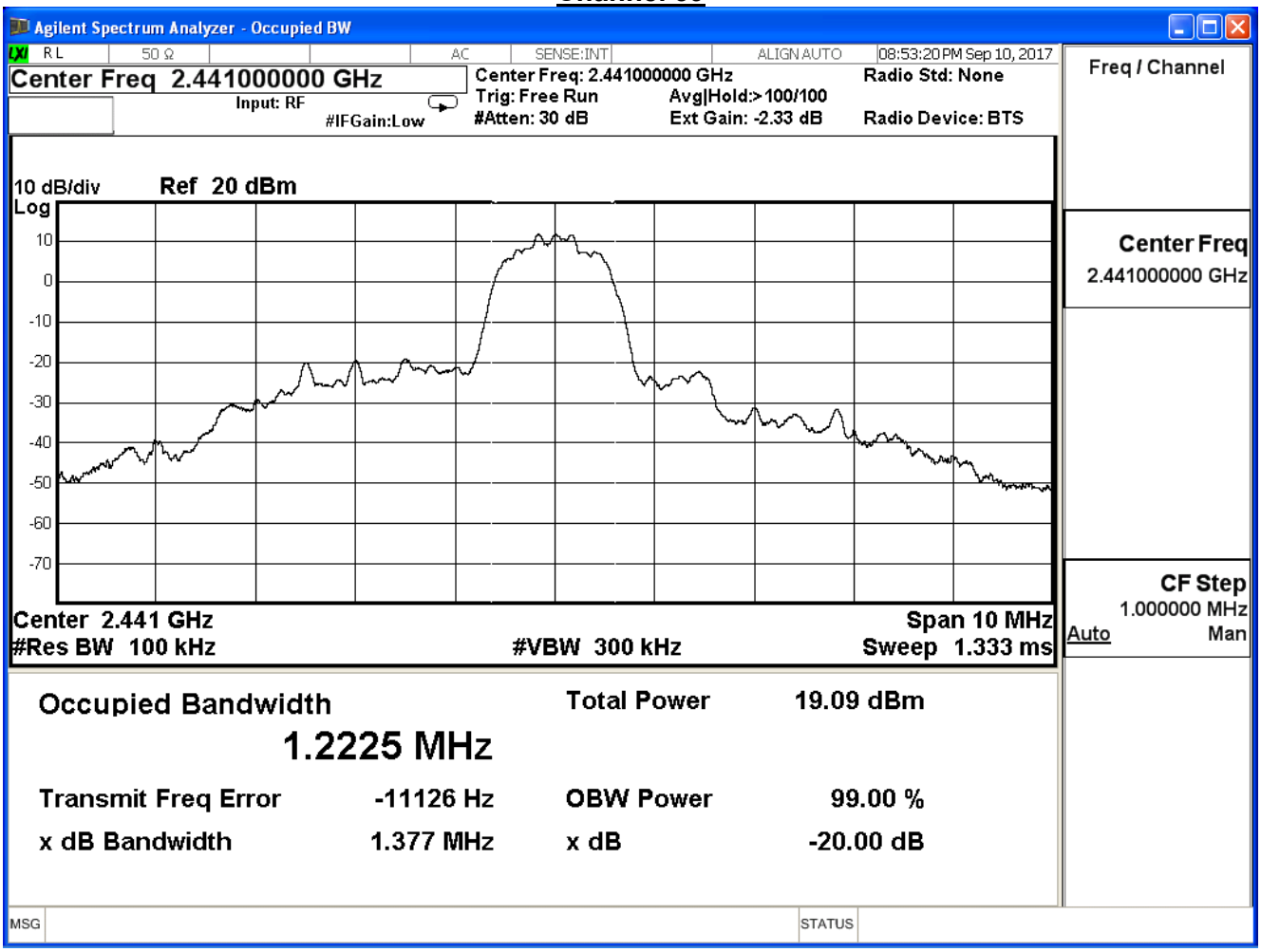
8-DPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
00	2402	1.390	--	Pass
39	2441	1.377	--	Pass
78	2480	1.365	--	Pass

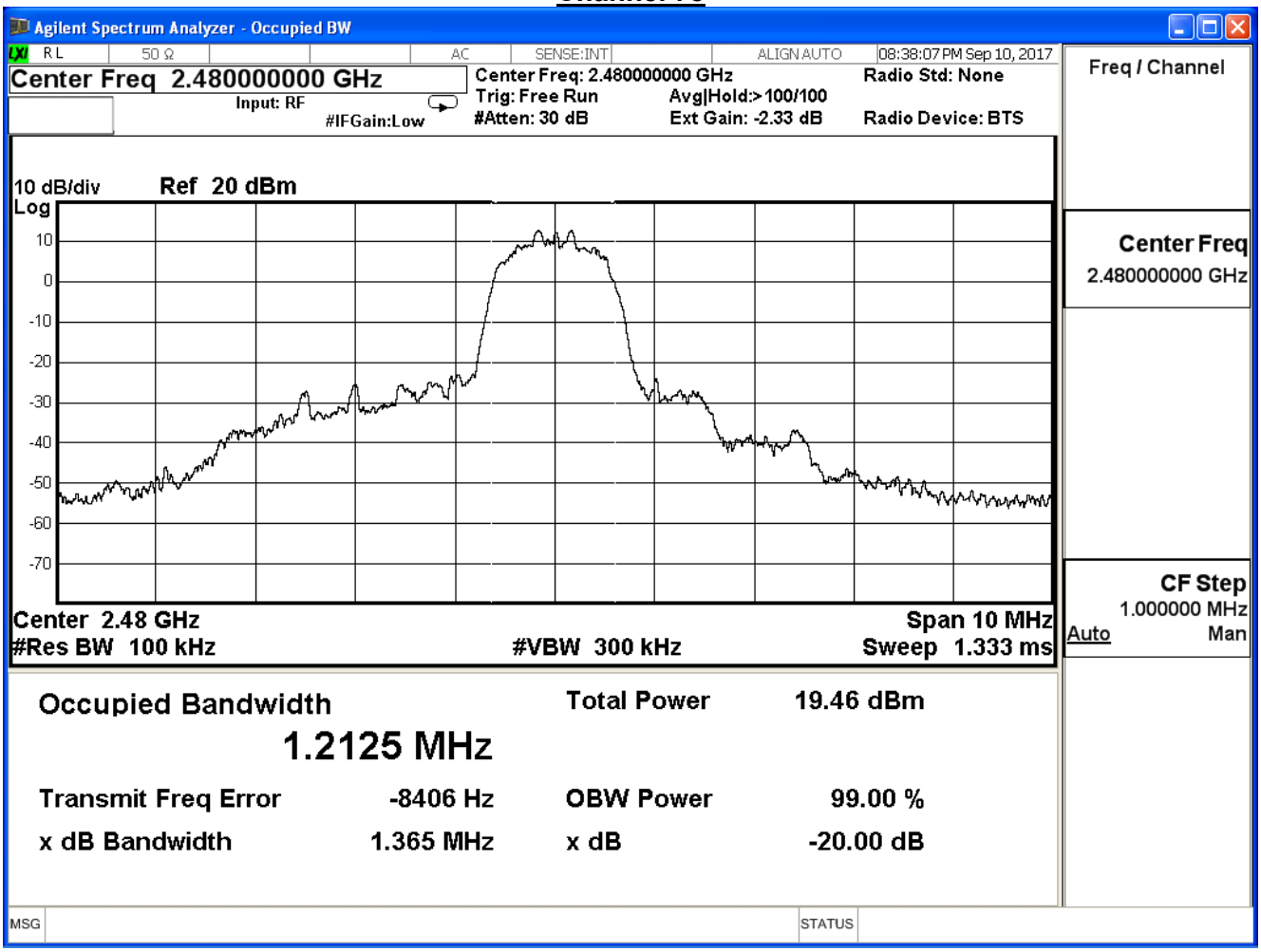
Channel 00



Channel 39


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:53:20 PM Sep 10, 2017
Center Freq 2.441000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.441000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.33 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.441000000 GHz
Center 2.441 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 10 MHz
Sweep 1.333 ms
CF Step
1.000000 MHz
Auto
Man
Occupied Bandwidth
1.2225 MHz
Total Power
19.09 dBm
Transmit Freq Error
-11126 Hz
OBW Power
99.00 %
x dB Bandwidth
1.377 MHz
x dB
-20.00 dB
MSG
STATUS

Channel 78


Agilent Spectrum Analyzer - Occupied BW
RL
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:38:07 PM Sep 10, 2017
Center Freq 2.480000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Ext Gain: -2.33 dB
Radio Std: None
Radio Device: BTS
Freq / Channel
10 dB/div
Log
Ref 20 dBm
10
0
-10
-20
-30
-40
-50
-60
-70
Center Freq
2.480000000 GHz
Center 2.48 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 10 MHz
Sweep 1.333 ms
CF Step
1.000000 MHz
Auto
Man
Occupied Bandwidth
1.2125 MHz
Total Power
19.46 dBm
Transmit Freq Error
-8406 Hz
OBW Power
99.00 %
x dB Bandwidth
1.365 MHz
x dB
-20.00 dB
MSG
STATUS

10. Dwell Time

10.1. Test Equipment

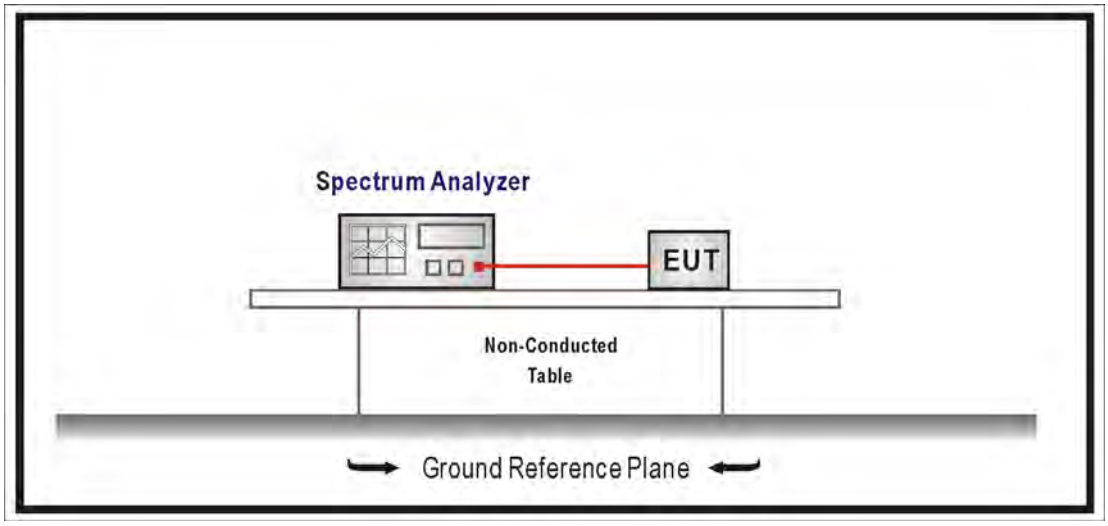
The following test equipment is used during the test:

Dwell Time / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25

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

10.2. Test Setup



10.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.
For frequency hopping systems operating in the 2400-2483.5 MHz bands. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.
For frequency hopping systems operating in the 5725-5850 MHz bands. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

10.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements
Span = zero span, centered on a hopping channel, RBW = 1 MHz, VBW ≥ RBW,
Sweep = as necessary to capture the entire dwell time per hopping channel,
Detector function = peak, Trace = max hold.

10.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2016

10.6. Test Result

Product	BK-T1		
Test Item	Dwell Time		
Test Mode	Mode 1: Transmit_DH5		
Date of Test	2017/09/10	Test Site	SR10-H

GFSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.687 ms = 0.002687 sec

Dwell Time : 0.002687 *(266.67/79)* 31.60= 0.3058 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.889 ms = 0.002889 sec

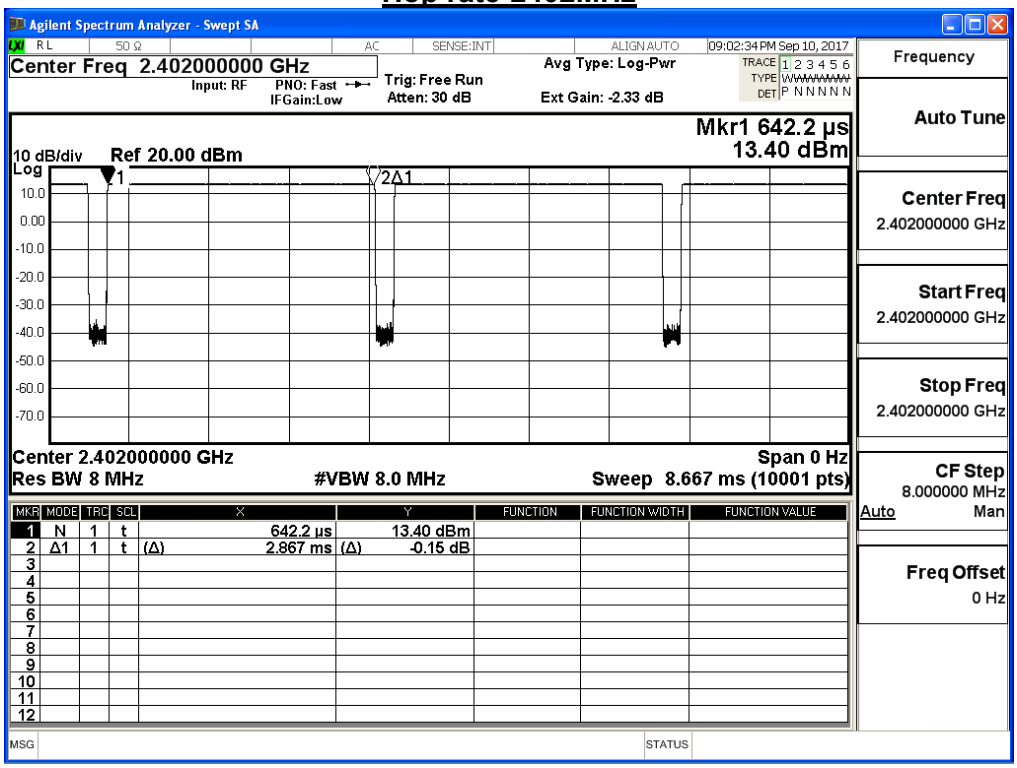
Dwell Time : 0.002889*(266.67/79)* 31.60= 0.3082 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.888 ms = 0.002888 sec

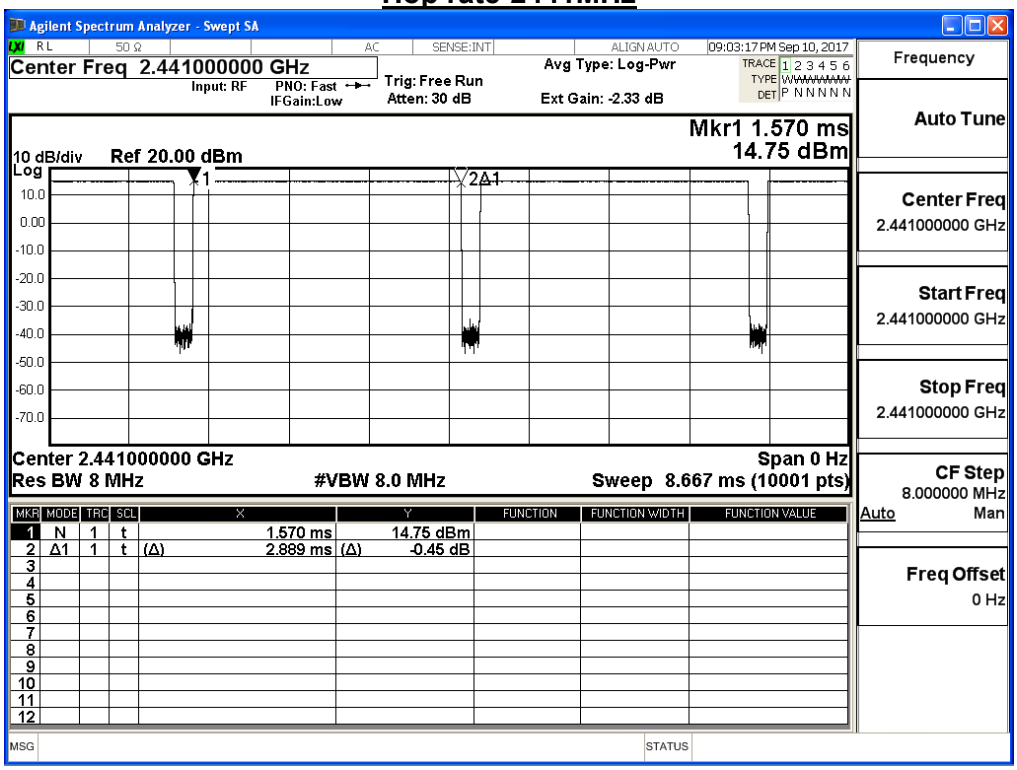
Dwell Time : 0.002888 *(266.67/79)* 31.60= 0.3081 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

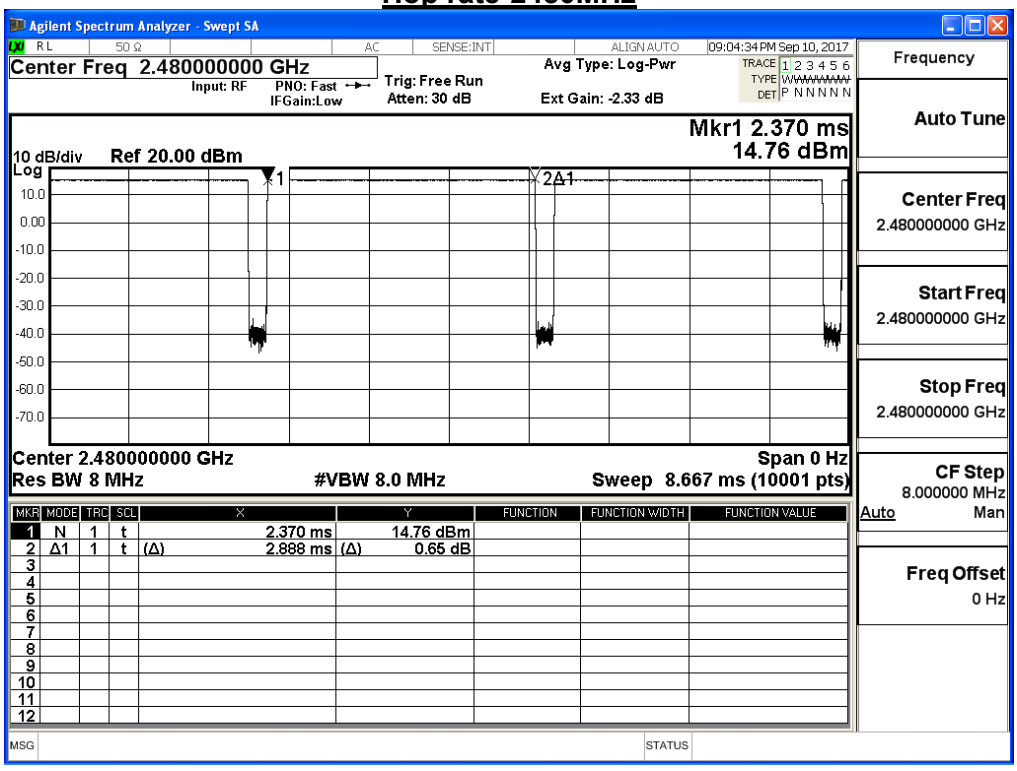
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	BK-T1		
Test Item	Dwell Time		
Test Mode	Mode 2: Transmit_2DH5		
Date of Test	2017/09/10	Test Site	SR10-H

π/4-DQPSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.898 ms = 0.002898 sec

Dwell Time : 0.002898*(266.67/79)* 31.60= 0.3091 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.895 ms = 0.002895 sec

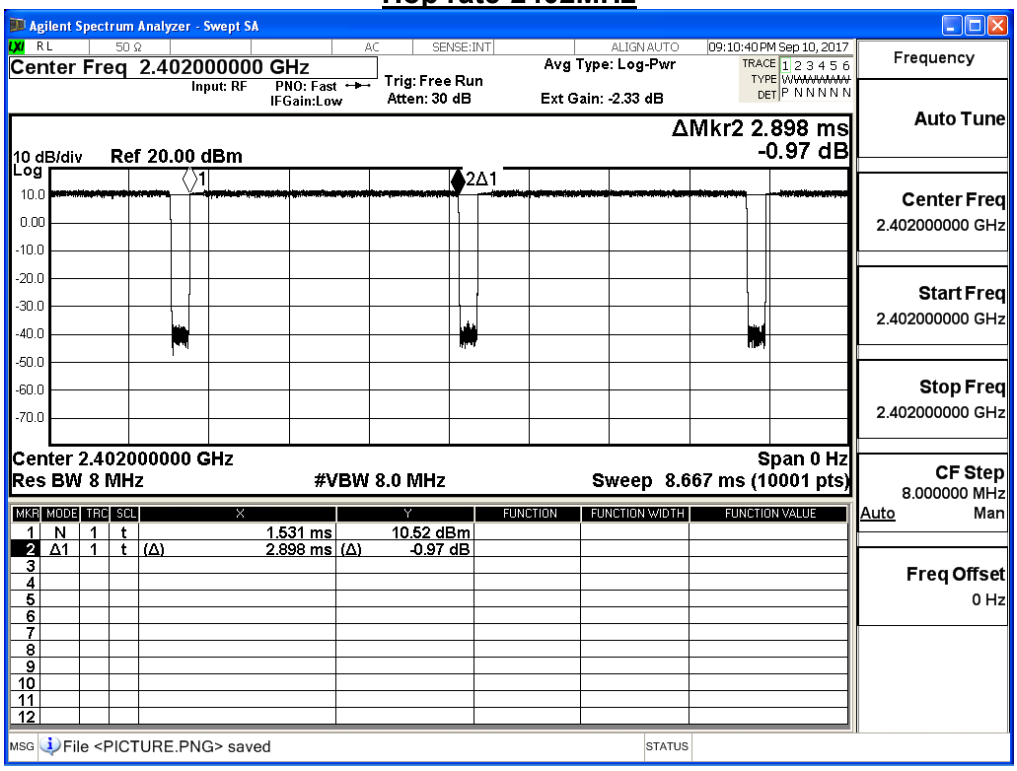
Dwell Time : 0.002895*(266.67/79)* 31.60= 0.3088 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.899 ms = 0.002899 sec

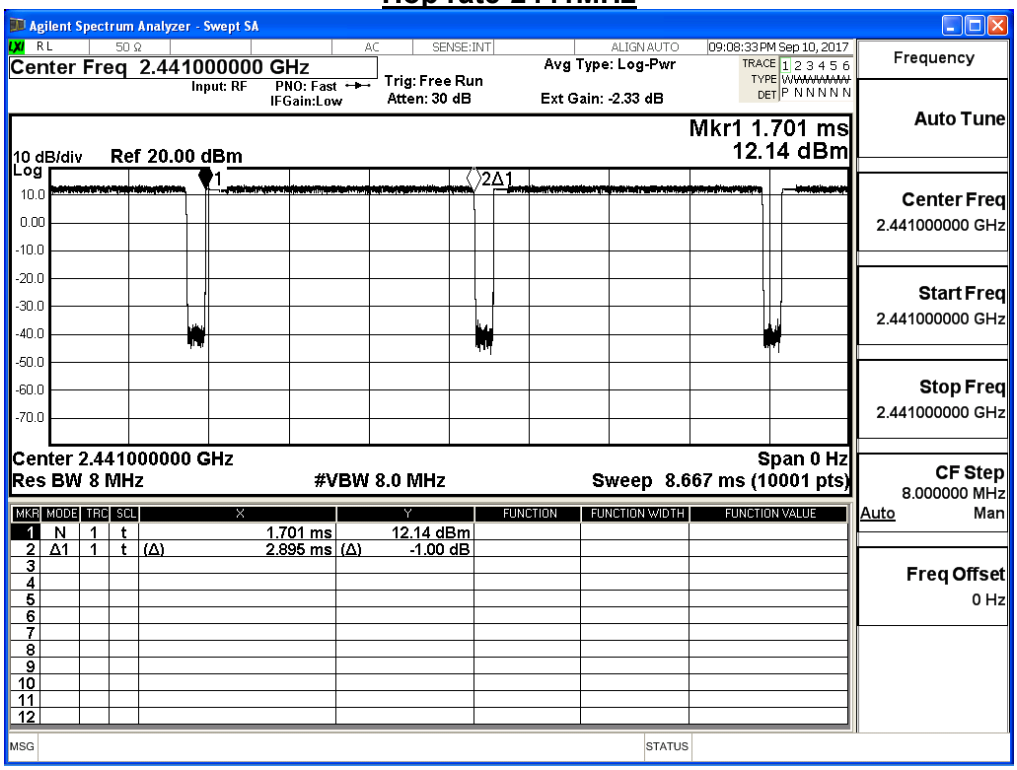
Dwell Time : 0.002899*(266.67/79)* 31.60= 0.3092 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

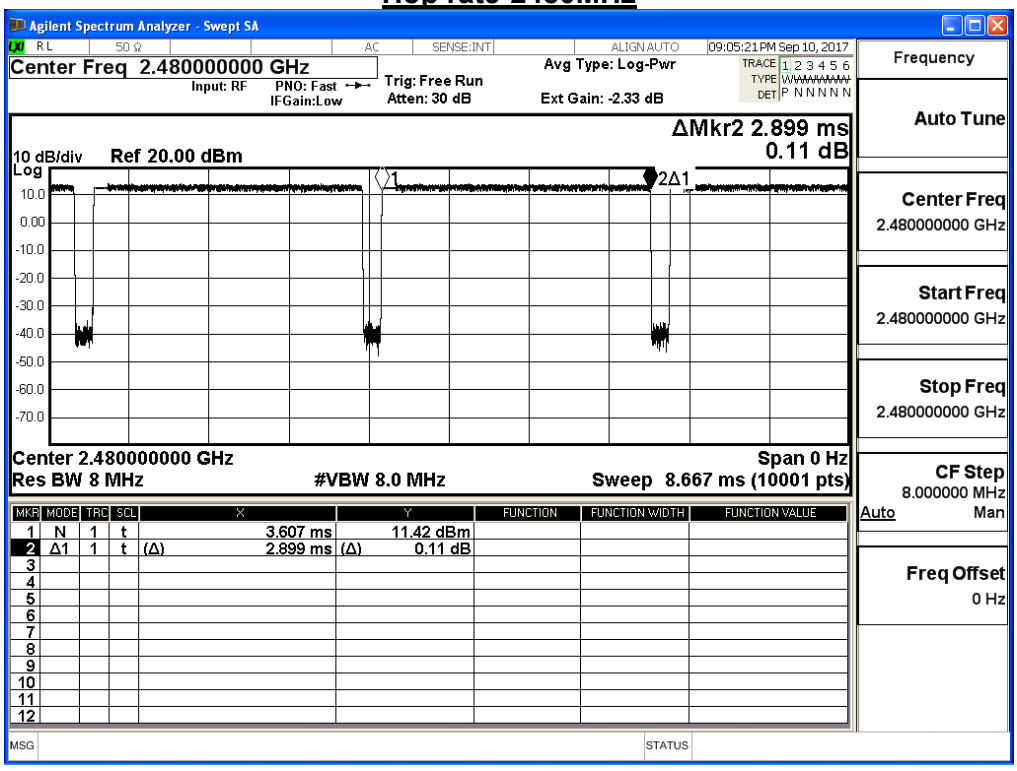
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	BK-T1		
Test Item	Dwell Time		
Test Mode	Mode 3: Transmit_3DH5		
Date of Test	2017/09/10	Test Site	SR10-H

8-DPSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.898ms = 0.002898 sec

Dwell Time : 0.002898*(266.67/79)* 31.60=0.3091 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.891 ms = 0.002891 sec

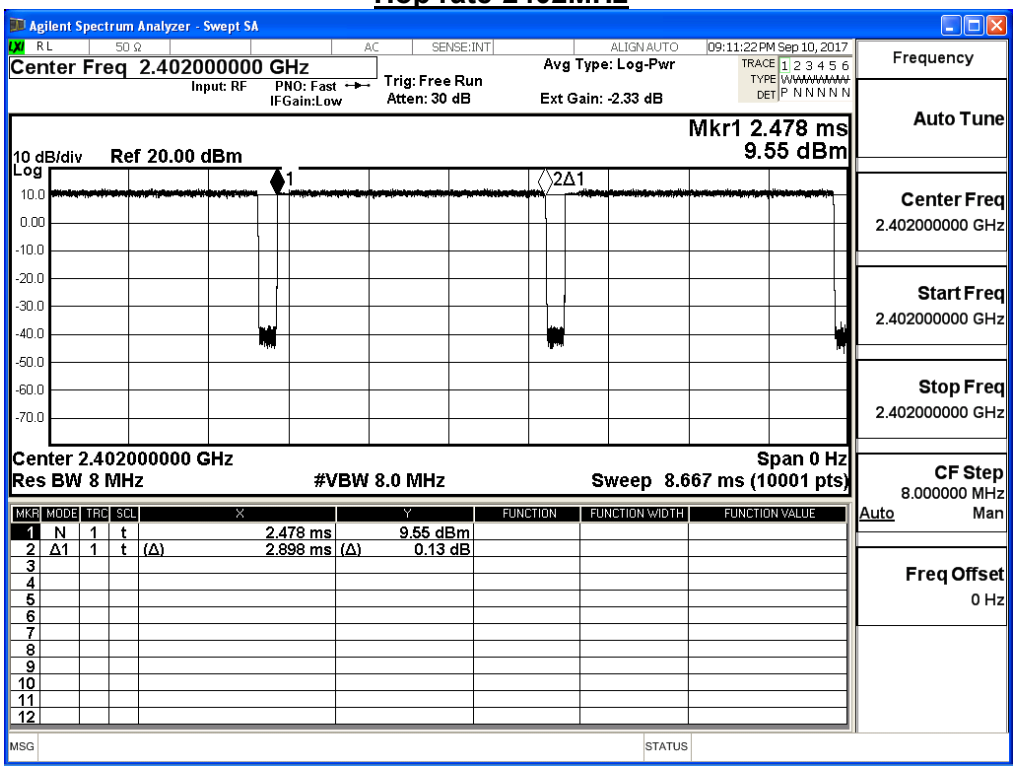
Dwell Time : 0.002891*(266.67/79)* 31.60=0.3084 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.891 ms = 0.002891 sec

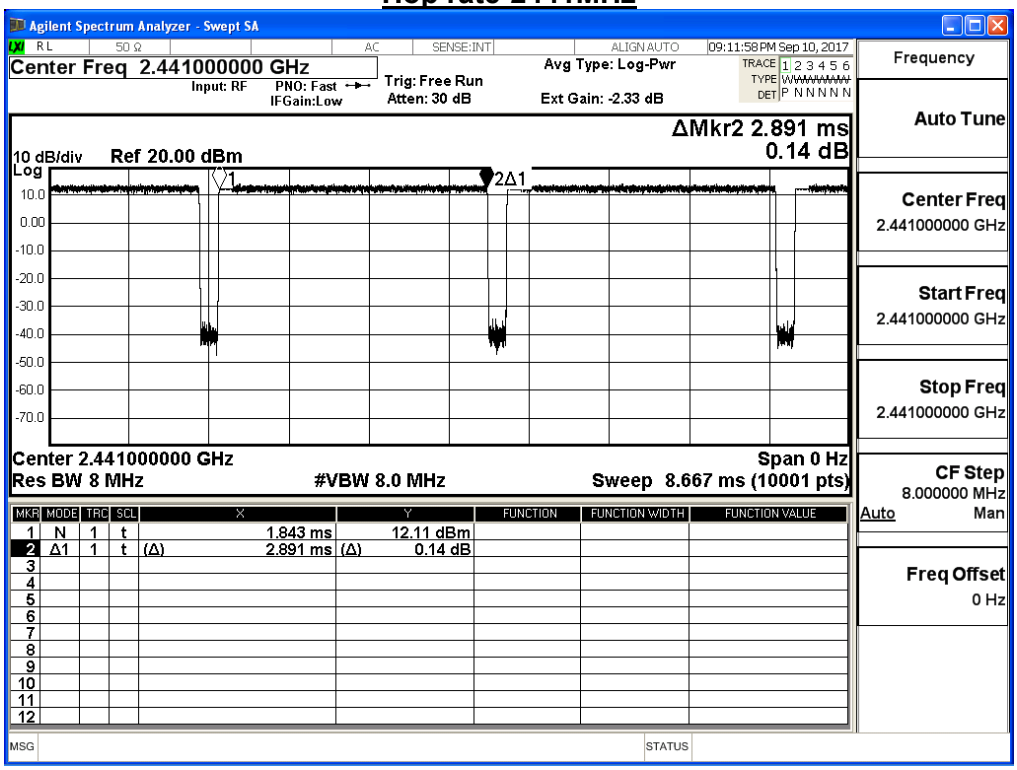
Dwell Time : 0.002891*(266.67/79)* 31.60=0.3084 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

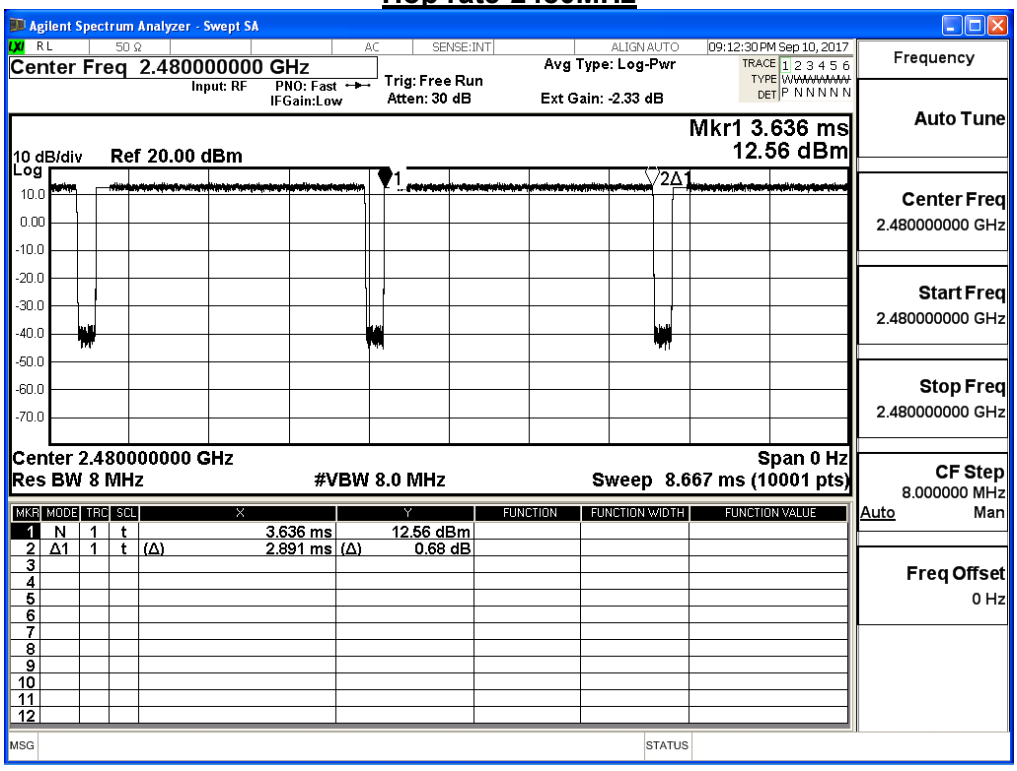
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	BK-T1		
Test Item	Dwell Time		
Test Mode	Mode 4: Transmit_DH1		
Date of Test	2018/05/11	Test Site	SR10-H

GFSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 0.382 ms = 0.000382 sec

Dwell Time : 0.000382 *(1600/slots/79)* 31.60= 0.1221 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 0.383 ms = 0.000383 sec

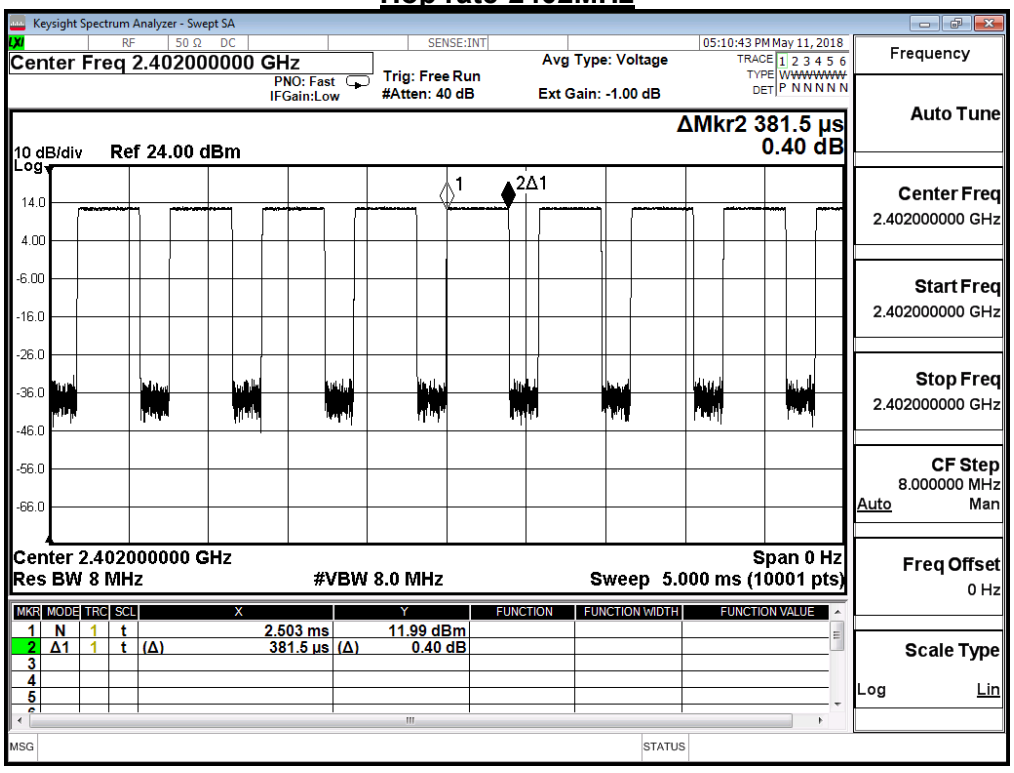
Dwell Time : 0.000383*(1600/slots/79)* 31.60= 0.1226 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 0.384 ms = 0.000384 sec

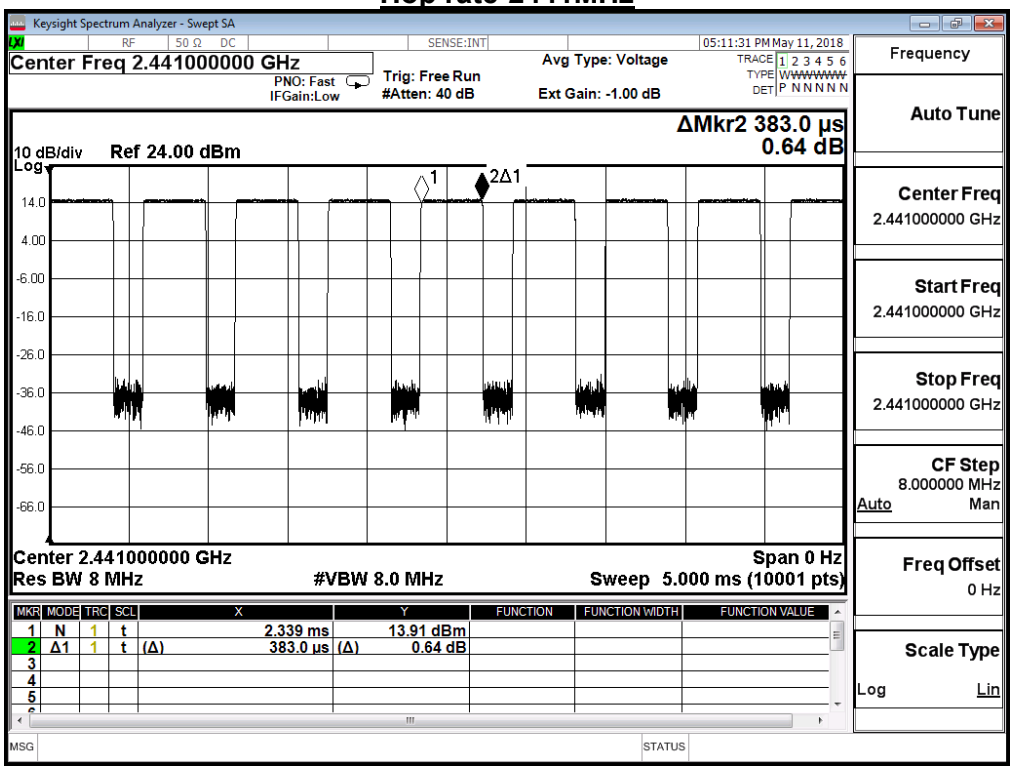
Dwell Time : 0.000384 *(1600/slots/79)* 31.60= 0.1227 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

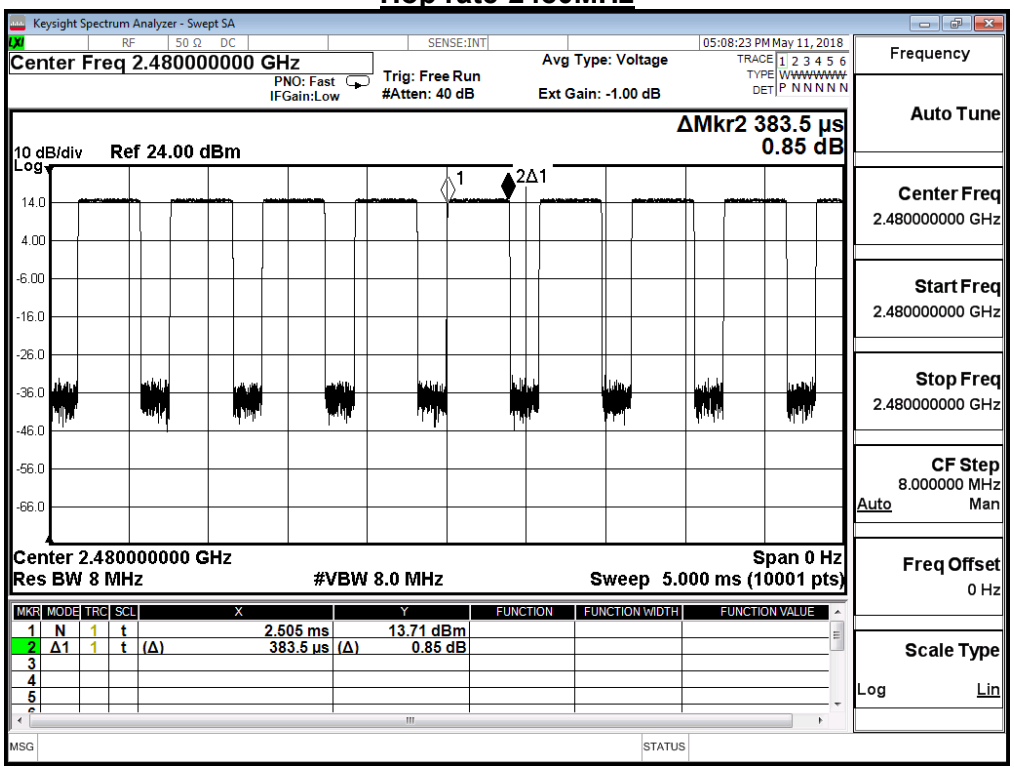
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	BK-T1		
Test Item	Dwell Time		
Test Mode	Mode 5: Transmit_2DH1		
Date of Test	2018/05/11	Test Site	SR10-H

π/4-DQPSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 0.398 ms = 0.000398 sec

Dwell Time : 0.000398*(1600/slots/79)* 31.60= 0.1274 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 0.392 ms = 0.000392 sec

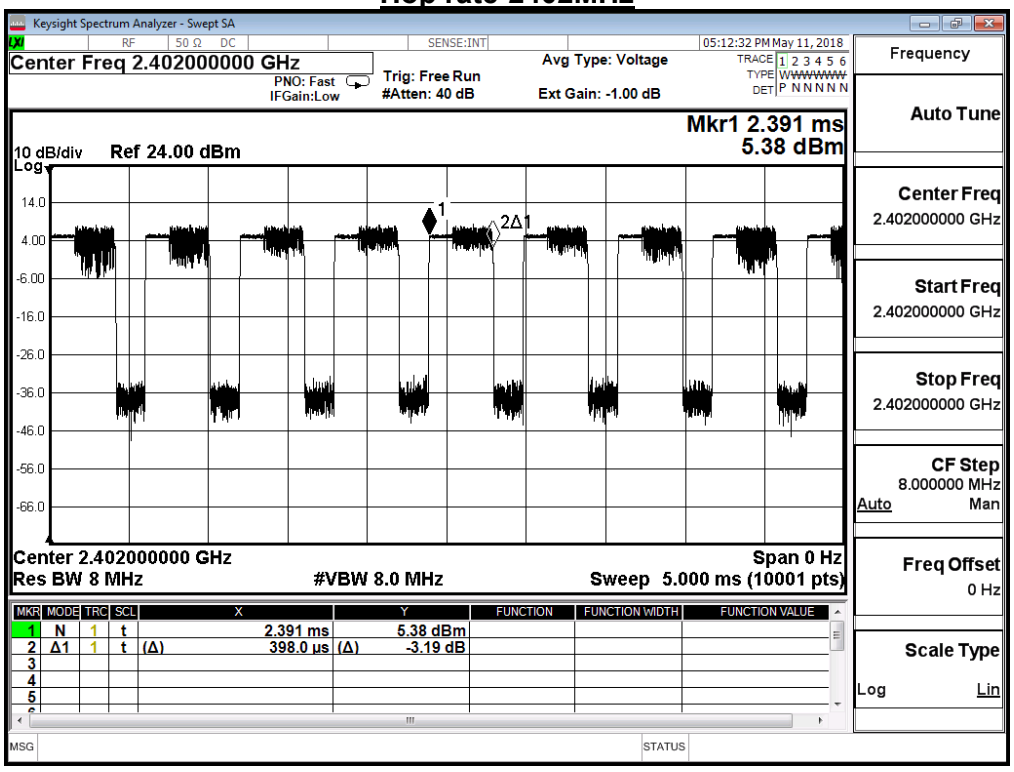
Dwell Time : 0.000392*(1600/slots/79)* 31.60= 0.1254 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 0.400 ms = 0.000400 sec

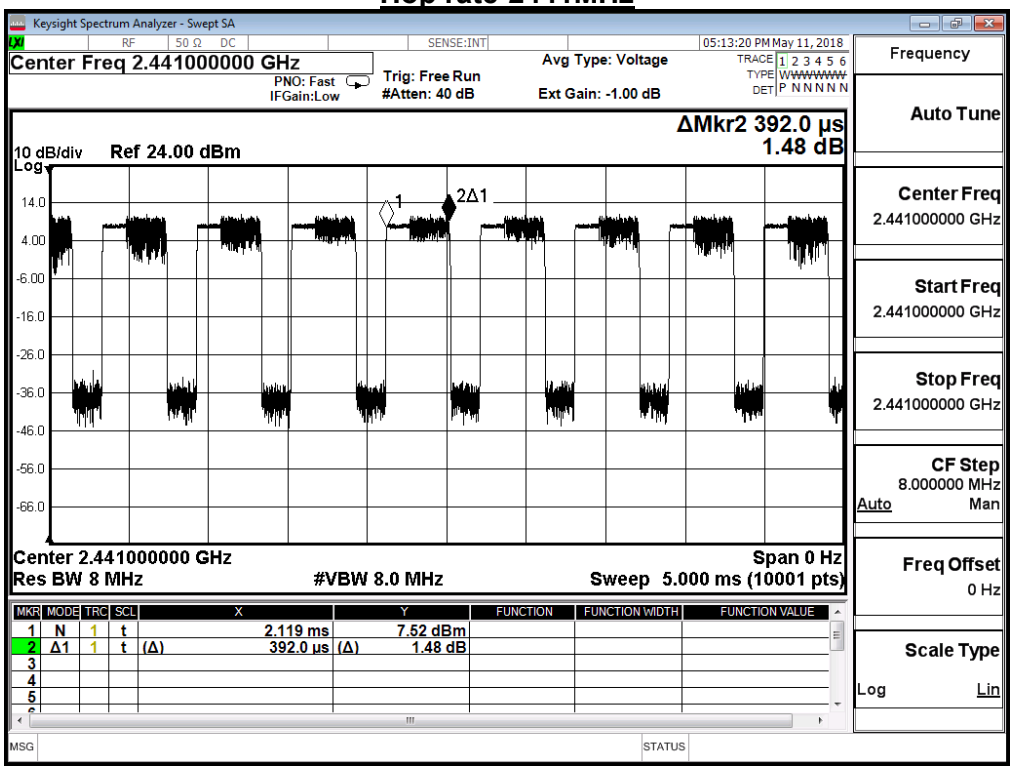
Dwell Time : 0.000400*(1600/slots/79)* 31.60= 0.1280 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

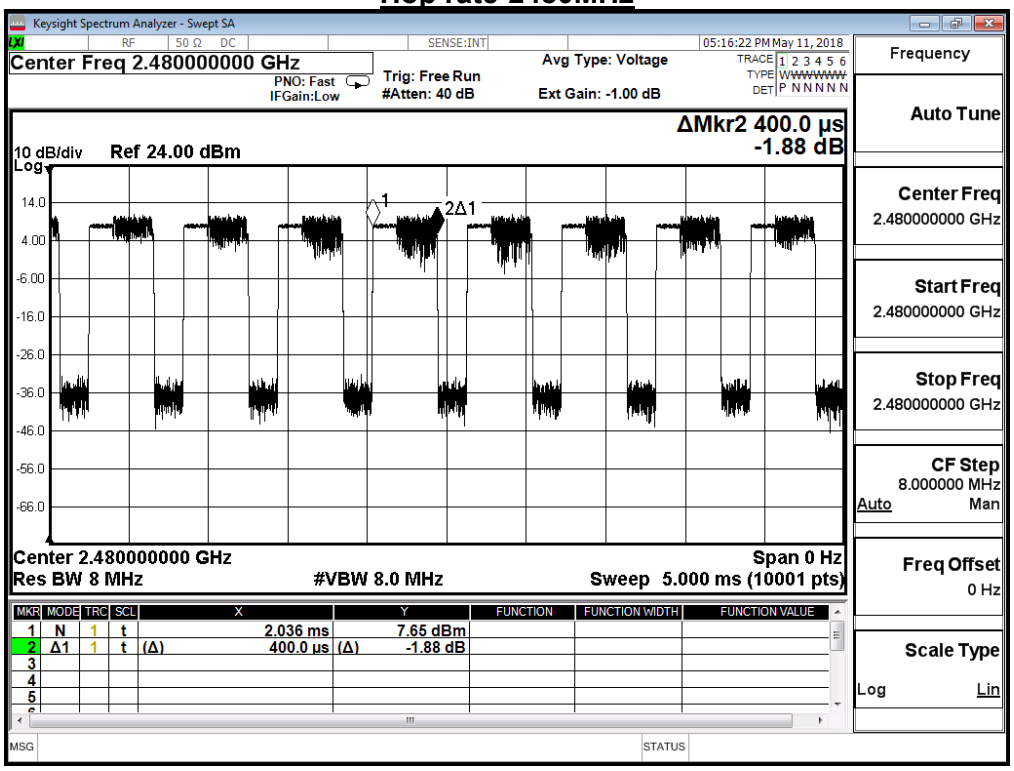
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	BK-T1		
Test Item	Dwell Time		
Test Mode	Mode 6: Transmit_3DH1		
Date of Test	2018/05/11	Test Site	SR10-H

8-DPSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 0.400ms = 0.000400 sec

Dwell Time : 0.000400*(1600/slots/79)* 31.60=0.1280 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 0.399 ms = 0.000399 sec

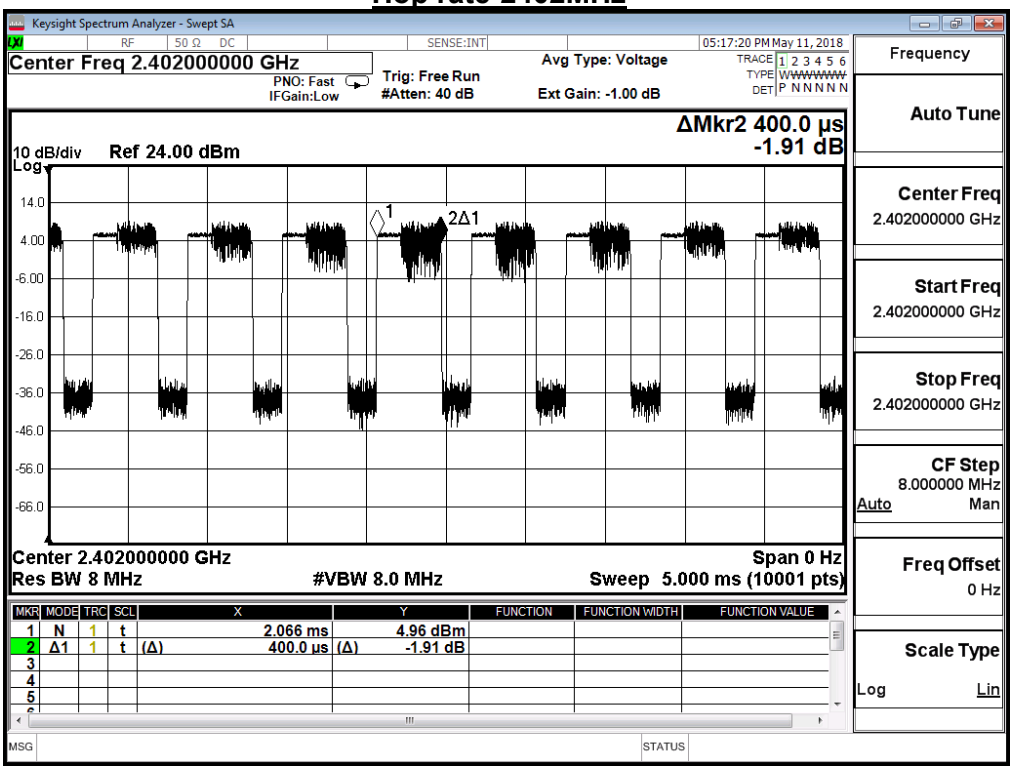
Dwell Time : 0.000399*(1600/slots/79)* 31.60=0.1277 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 0.400 ms = 0.000400 sec

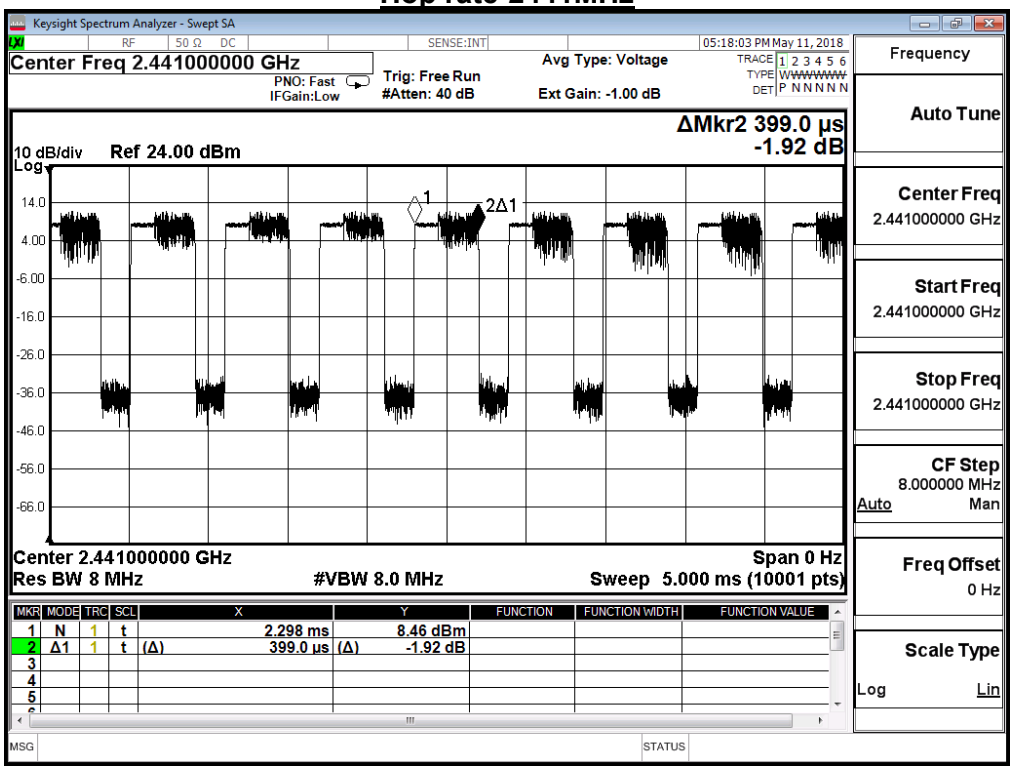
Dwell Time : 0.000400(1600/slots/79)* 31.60=0.1278 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

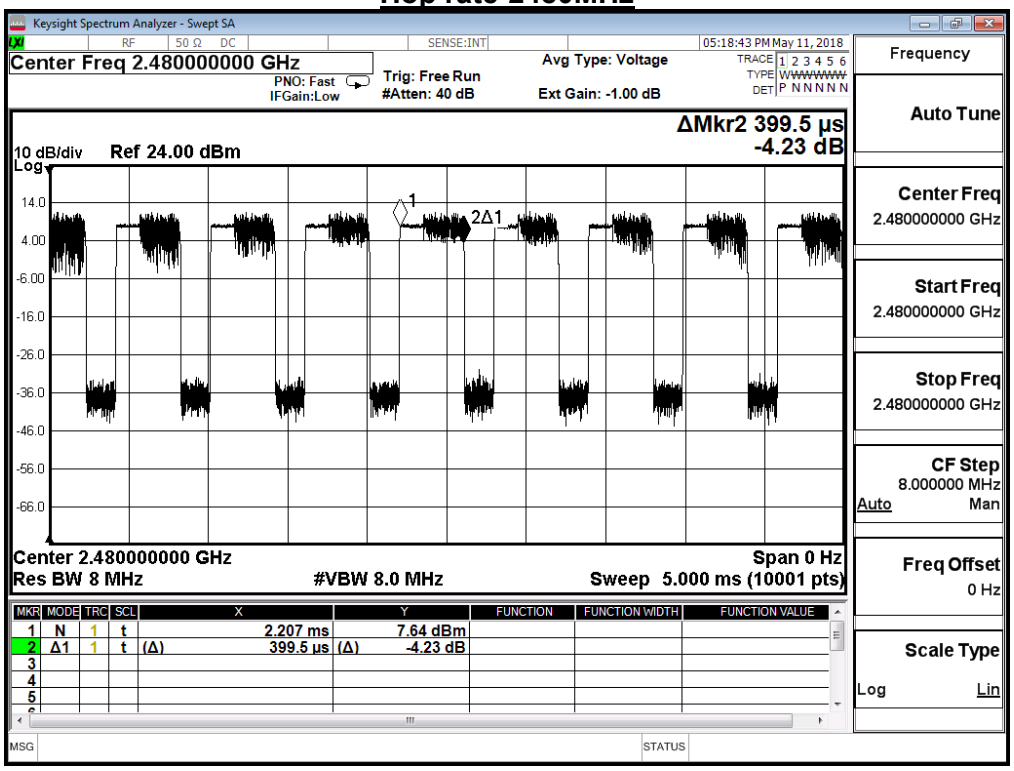
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	BK-T1		
Test Item	Dwell Time		
Test Mode	Mode 7: Transmit_DH3		
Date of Test	2018/05/11	Test Site	SR10-H

GFSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 1.630 ms = 0.001630 sec

Dwell Time : 0.001630 *(1600/slots/79)* 31.60= 0.2608 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 1.631 ms = 0.001631 sec

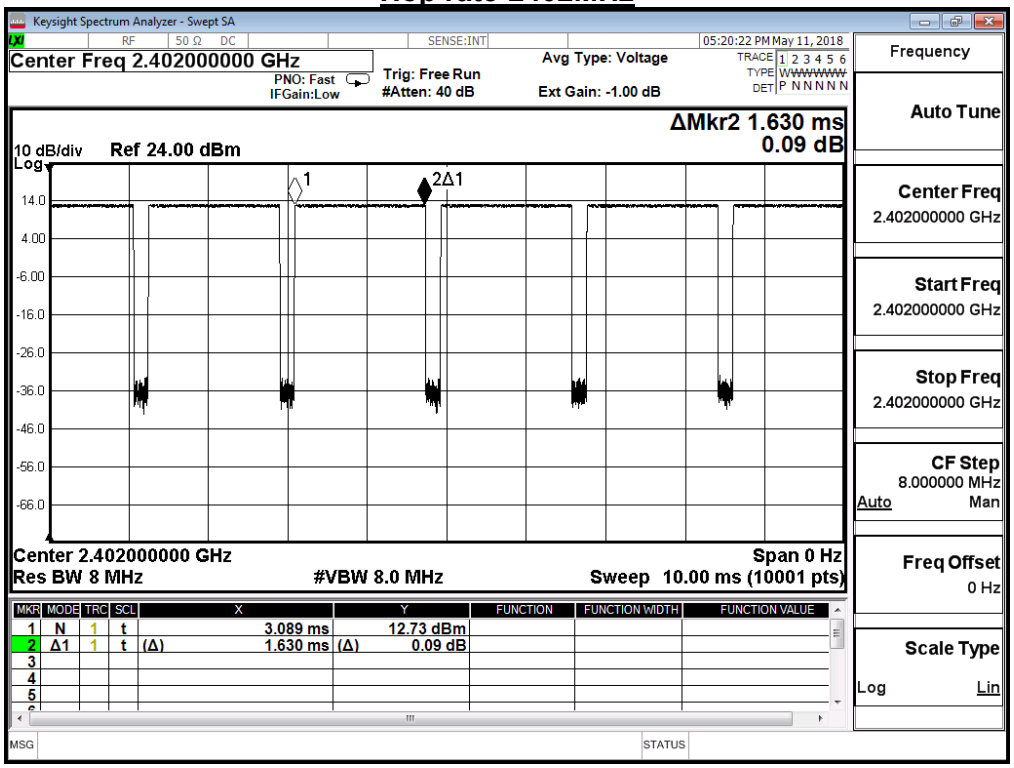
Dwell Time : 0.001631*(1600/slots/79)* 31.60= 0.2610 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 1.631 ms = 0.001631 sec

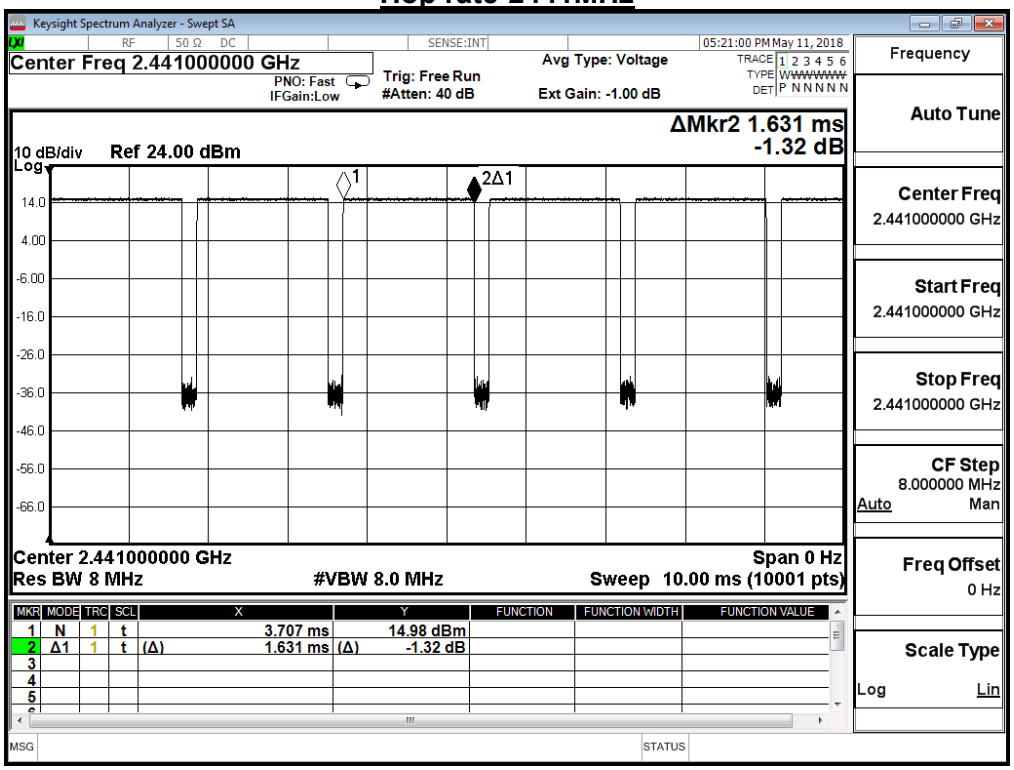
Dwell Time : 0.001631 *(1600/slots/79)* 31.60= 0.2610 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

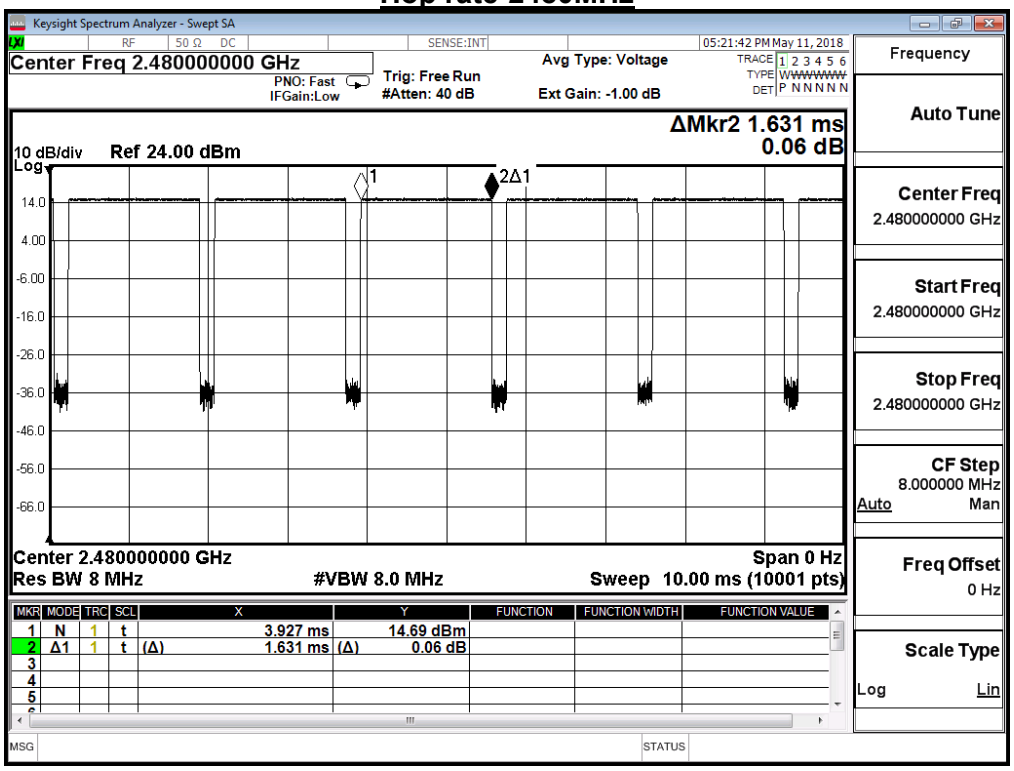
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	BK-T1		
Test Item	Dwell Time		
Test Mode	Mode 8: Transmit_2DH3		
Date of Test	2018/05/11	Test Site	SR10-H

π/4-DQPSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 1.639 ms = 0.001639 sec

Dwell Time : 0.001639*(1600/slots/79)* 31.60= 0.2622 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 1.642 ms = 0.001642 sec

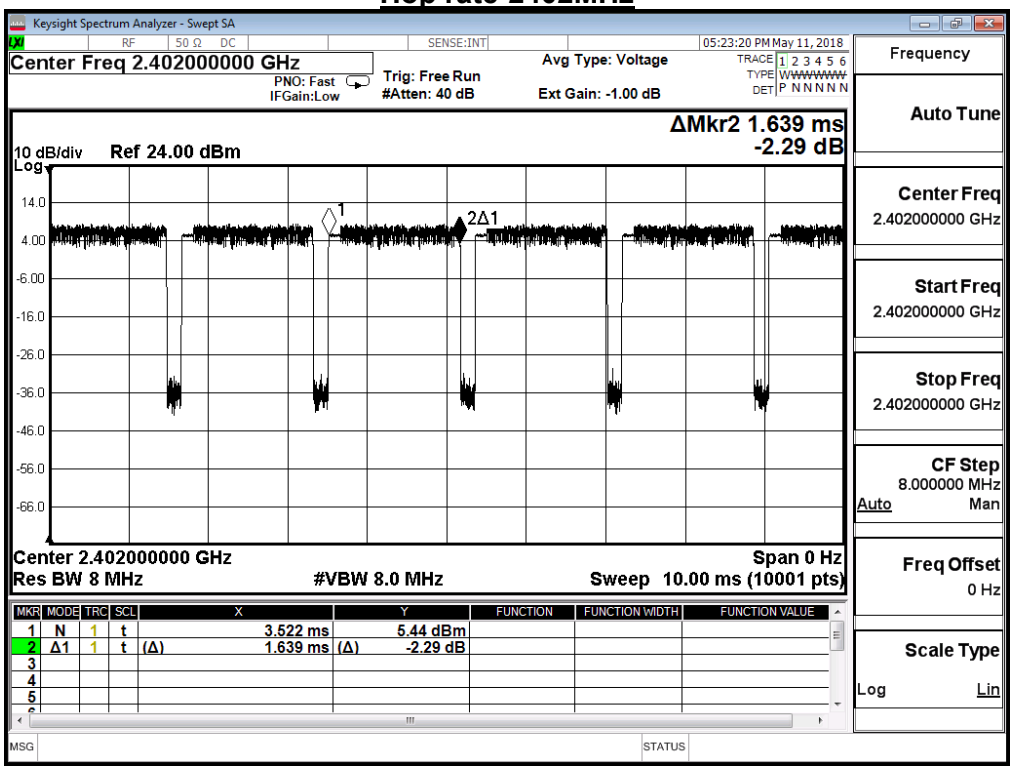
Dwell Time : 0.001642*(1600/slots/79)* 31.60= 0.2627 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 1.651 ms = 0.001651 sec

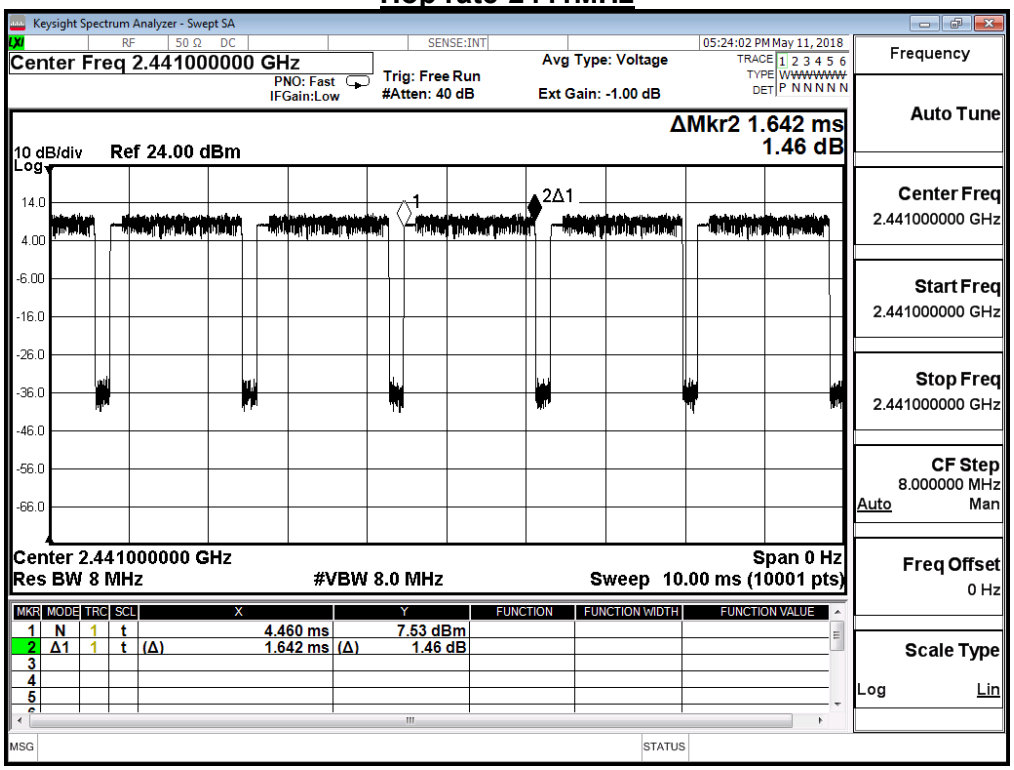
Dwell Time : 0.001651*(1600/slots/79)* 31.60= 0.2642 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

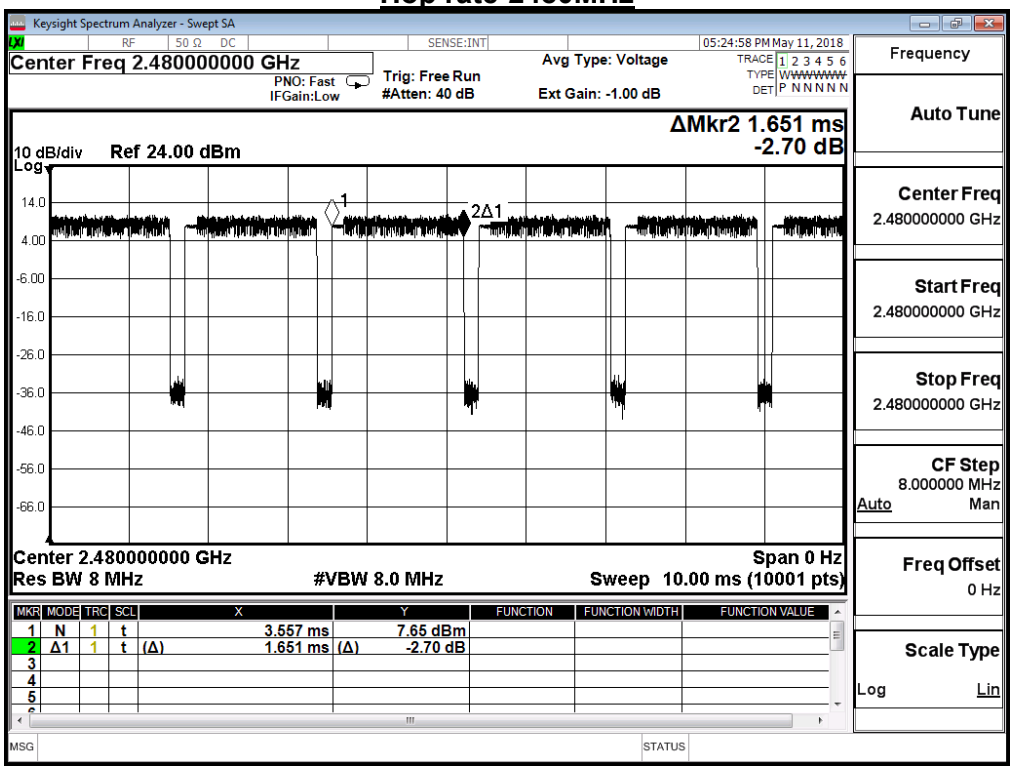
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period

Product	BK-T1		
Test Item	Dwell Time		
Test Mode	Mode 9: Transmit_3DH3		
Date of Test	2018/05/11	Test Site	SR10-H

8-DPSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 1.647ms = 0.001647 sec

Dwell Time : 0.001647*(1600/slots/79)* 31.60=0.2635 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 1.649 ms = 0.001649 sec

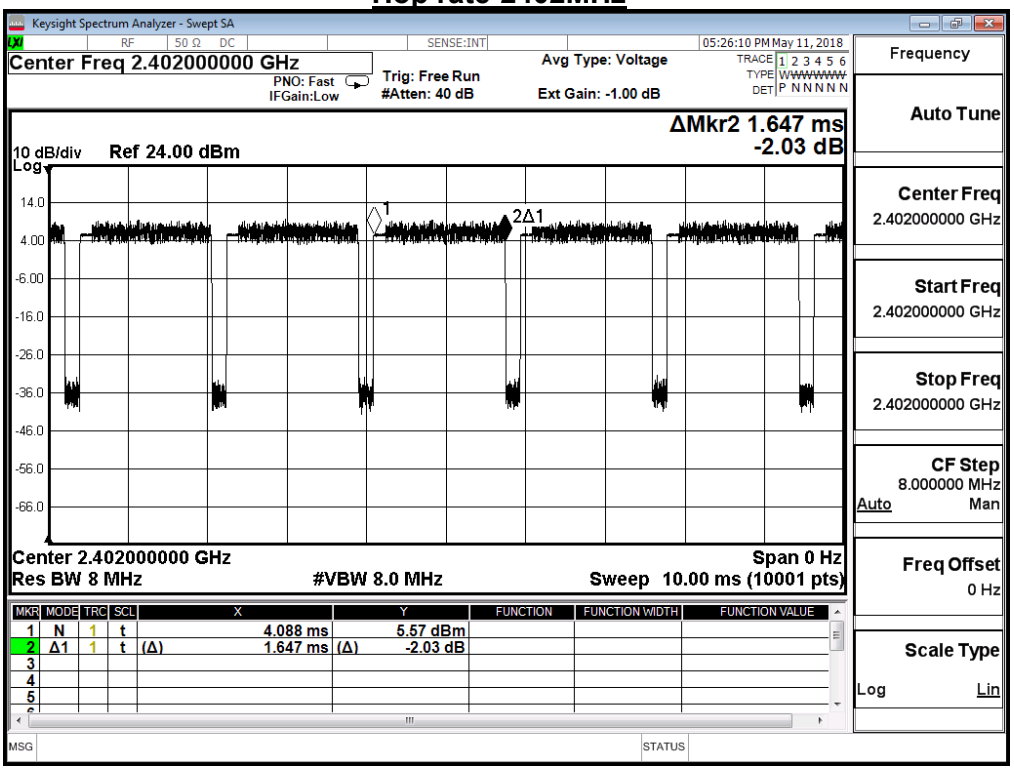
Dwell Time : 0.001649*(1600/slots/79)* 31.60=0.2638 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 1.648 ms = 0.001648 sec

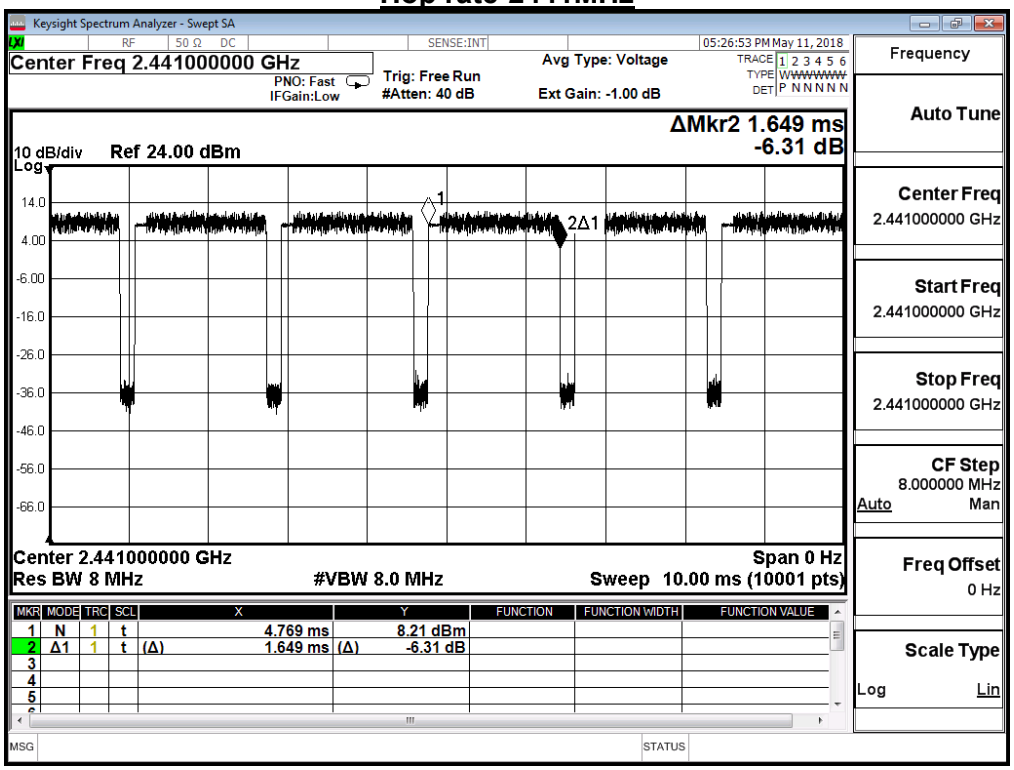
Dwell Time : 0.001648(1600/slots/79)* 31.60=0.2637 sec。

Test Result: The Average Occupancy Time of Each Highest，Middle and Lowest Channel Is Less Than 0.4sec，And Corresponds to The Standard。

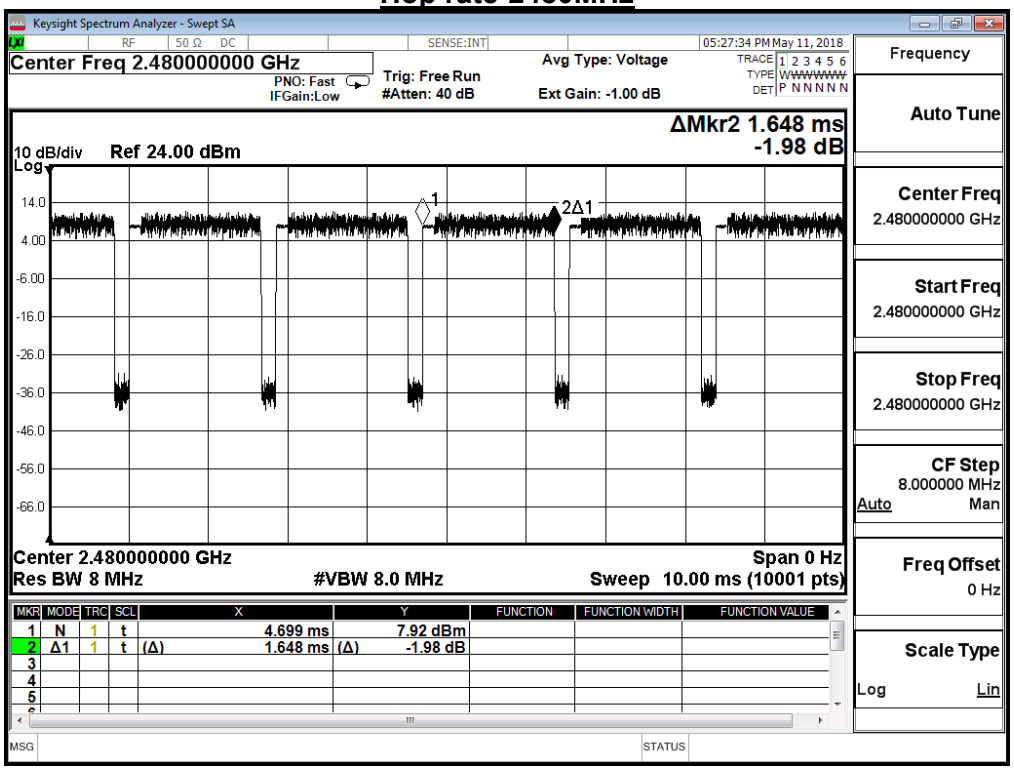
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



Note: Dwell time＝time slot length * hop rate / number of hopping channels * period