FCC Test Report

Product Name	：	Android Based UI
Trade Name	：	PCI
Model No.	：	CSD-ELINK2
FCC ID.	：	LY5-PCIABUI

Applicant	：	PCI Private Limited
Address	：	35 Pioneer Road North, Singapore 628475 Singapore

Date of Receipt	：	Feb. 03, 2020
Issued Date	：	Mar. 17, 2020
Report No.	：	2020009R-RFUSP01V01
Report Version	：	V1.0

Test Report Certification

Issued Date : Mar. 17, 2020
Report No. : 2020009R-RFUSP01V01

Product Name	:	Android Based UI
Applicant	:	PCI Private Limited
Address	:	35 Pioneer Road North, Singapore 628475 Singapore
Manufacturer	:	PCI Private Limited
Address	:	35 Pioneer Road North, Singapore 628475 Singapore
Trade name	:	PCI
Model No.	:	CSD-ELINK2
FCC ID.	:	LY5-PCIABUI
EUT Voltage	:	DC 5V
Testing Voltage	:	DC 5V
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2018 ANSI C63.10: 2013
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 : Carol Tsai

(Carol Tsai / Senior Engineering Adm. Specialist)

Tested By : Rueyyan.Lin

(Rueyyan Lin / Senior Engineer)

Approved By : Louis Hsu

(Louis Hsu / Deputy Manager)

Revision History

Report No.	Version	Description	Issued Date
2020009R-RFUSP01V01	V1.0	Initial issue of report	Mar. 17, 2020

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	Android Based UI
Trade Name	PCI
Model No.	CSD-ELINK2
Frequency Range/Channel Number	2402~2480MHz / 79 Channels
Type of Modulation	GFSK, π/4-DQPSK, 8-DPSK

Antenna Information	
Antenna Type	Dipole PCB Antenna
Antenna Gain	3.59 dBi

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 an Android Based UI including 2.4GHz b/g/n, 5GHz a/n/ac, BT2.0/BT 4.0 transmitting and receiving functions.
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.
3. The EUT description is from the customer declaration.

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	Mode 1: Transmit Mode

Test Items	Modulation	Channel	Result
Conducted Emission	GFSK/π/4-DQPSK/ 8-DPSK	00/39/78	N/A
Maximum peak conducted output power	GFSK/π/4-DQPSK/ 8-DPSK	00/39/78	Complies
Radiated Emission	GFSK/π/4-DQPSK/ 8-DPSK	00/39/78	Complies
RF antenna conducted test	GFSK/π/4-DQPSK/ 8-DPSK	00/39/78	Complies
Band Edge	GFSK/π/4-DQPSK/ 8-DPSK	00/39/78	Complies
Number of hopping Frequency	GFSK/π/4-DQPSK/ 8-DPSK	00/39/78	Complies
Carrier Frequency Separation	GFSK/π/4-DQPSK/ 8-DPSK	00/39/78	Complies
-20dB Bandwidth	GFSK/π/4-DQPSK/ 8-DPSK	00/39/78	Complies
Dwell Time	GFSK/π/4-DQPSK/ 8-DPSK	00/39/78	Complies

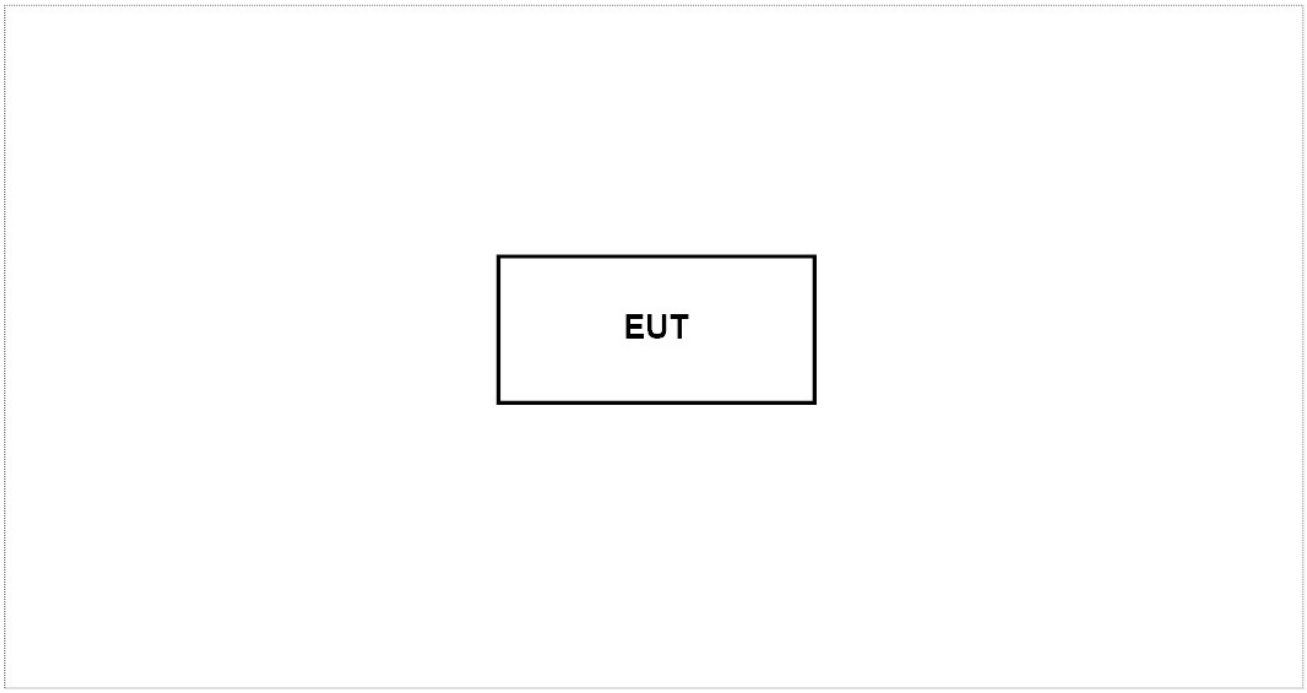
Note: Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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
N/A					

1.4. Configuration of tested System

Connection Diagram


1.5. EUT Exercise Software

1	Set the EUT as shown in Section 1.4.
2	Execute the "Engineer Mode” on the Android system.
3	Configure test mode, test channel and data rate.
4	EUT start transmitting or receiving continuously.
5	Verify that the device is working 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	15 - 35	23	--
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Maximum peak conducted output power	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	15 - 35	25	2
Humidity (%RH)		25 - 75	54	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Band Edge	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	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	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 -20dB Bandwidth	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	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test site information refers to Laboratory Information.

Laboratory Information

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: http://www.dekra.com.tw

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

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
Address	1. No. 75-2, 3rd Lin, WangYe Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C. 2. No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 3. No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
Phone number	1. +886-3-592-8858 2. +886-3-582-8001 3. +886-3-582-8001
Fax number	1. +886-3-592-8859 2. +886-3-582-8958 3. +886-3-582-8958
Email address	info.tw@dekra.com
Website	http://www.dekra.com.tw

1.7. List of Test Equipment

Maximum peak conducted output power / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2019/12/02	2020/12/01
Pulse Power Sensor	Anritsu	MA2411B	1531043	2019/12/02	2020/12/01
Pulse Power Sensor	Anritsu	MA2411B	1531044	2019/12/02	2020/12/01
Power Meter	Keysight	8990B	MY51000248	2019/05/21	2020/05/20
Power Sensor	Keysight	N1923A	MY57240005	2019/05/21	2020/05/20

Radiated Emission / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2019/10/21	2020/10/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2020/02/21	2021/02/20
Bilog Antenna	Teseq	CBL6112D	23191	2019/06/17	2020/06/16
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2019/05/28	2020/05/27
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/12/27	2020/12/26
Pre-Amplifier	DEKRA	AP-025C	12183122	2019/09/24	2020/09/23
Pre-Amplifier	EMCI	EMC11830I	980366	2019/12/03	2020/12/02
Pre-Amplifier	DEKRA	AP-400C	201801231	2019/12/03	2020/12/02
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2019/10/25	2020/10/24
Band Reject Filter	Micro-Tronics	BRM50702	G192	2019/03/27	2020/03/26
Signal Analyzer	R&S	FSV40	101435	2019/07/08	2020/070/7
Coaxial Cable(16m)	Huber+Suhner	SF104	CB2-H	2019/07/25	2020/07/24
EMI system	DEKRA	Version 1.0	CB2-H	NA	NA

RF antenna conducted test / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10

Band Edge / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2019/10/21	2020/10/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2019/03/15	2020/03/14
Bilog Antenna	Teseq	CBL6112D	23191	2019/06/17	2020/06/16
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2019/05/28	2020/05/27
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/12/27	2020/12/26
Pre-Amplifier	DEKRA	AP-025C	12183122	2019/09/24	2020/09/23
Pre-Amplifier	EMCI	EMC11830I	980366	2019/12/03	2020/12/02
Pre-Amplifier	DEKRA	AP-400C	201801231	2019/12/03	2020/12/02
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2019/10/25	2020/10/24
Band Reject Filter	Micro-Tronics	BRM50702	G192	2019/03/27	2020/03/26
Signal Analyzer	R&S	FSV40	101435	2019/07/08	2020/070/7
Coaxial Cable(16m)	Huber+Suhner	SF104	CB2-H	2019/07/25	2020/07/24
EMI system	DEKRA	Version 1.0	CB2-H	NA	NA

Number of hopping frequency / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10

Carrier Frequency Separation / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10

-20dB Bandwidth / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10

Dwell Time / SR12-H

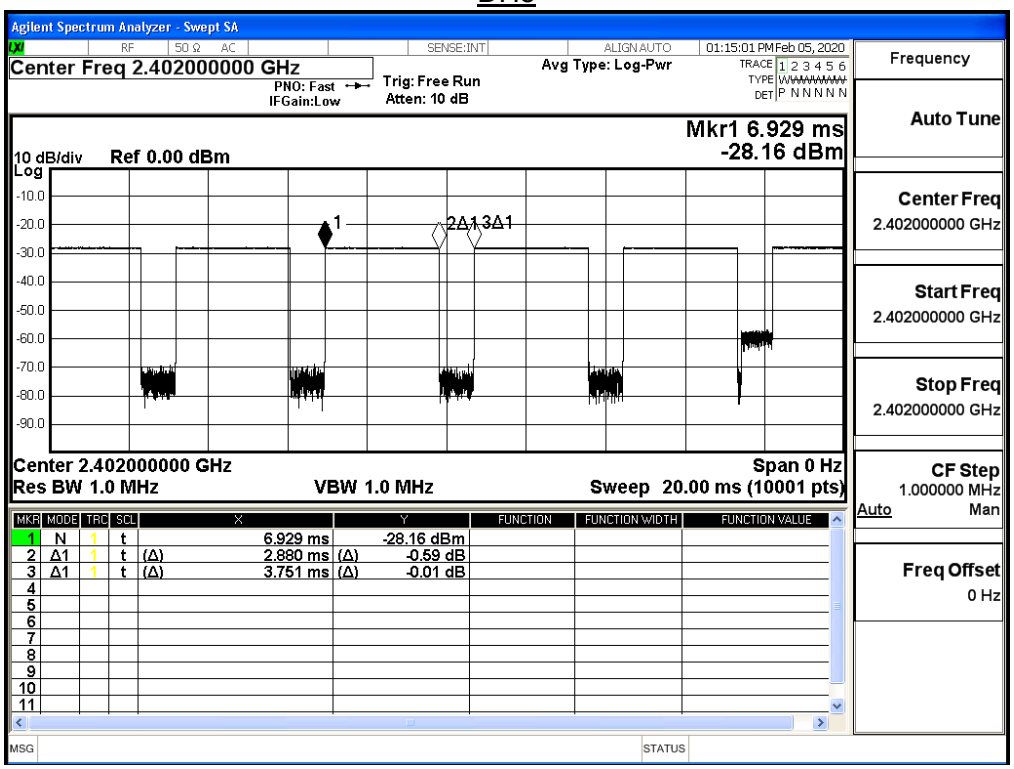
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2019/09/11	2020/09/10

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

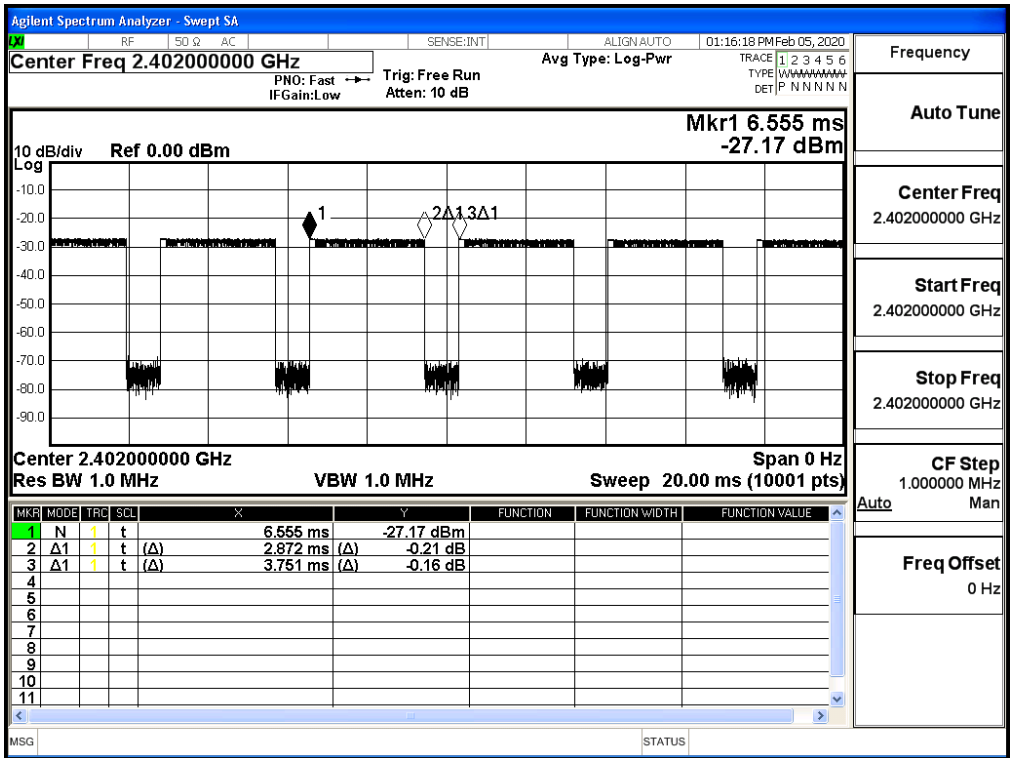
1.8. Duty Cycle

Mode	On Time(ms)	On+Off Time(ms)	Duty Cycle(%)	Duty Factor(dB) linear voltage	Duty Factor(dB) Power	1/T Minimum VBW (kHz)
DH5	2.880	3.751	76.78%	2.295092	1.15	0.347
2DH5	2.872	3.751	76.57%	2.319253	1.16	0.348
3DH5	2.870	3.751	76.51%	2.325303	1.16	0.348

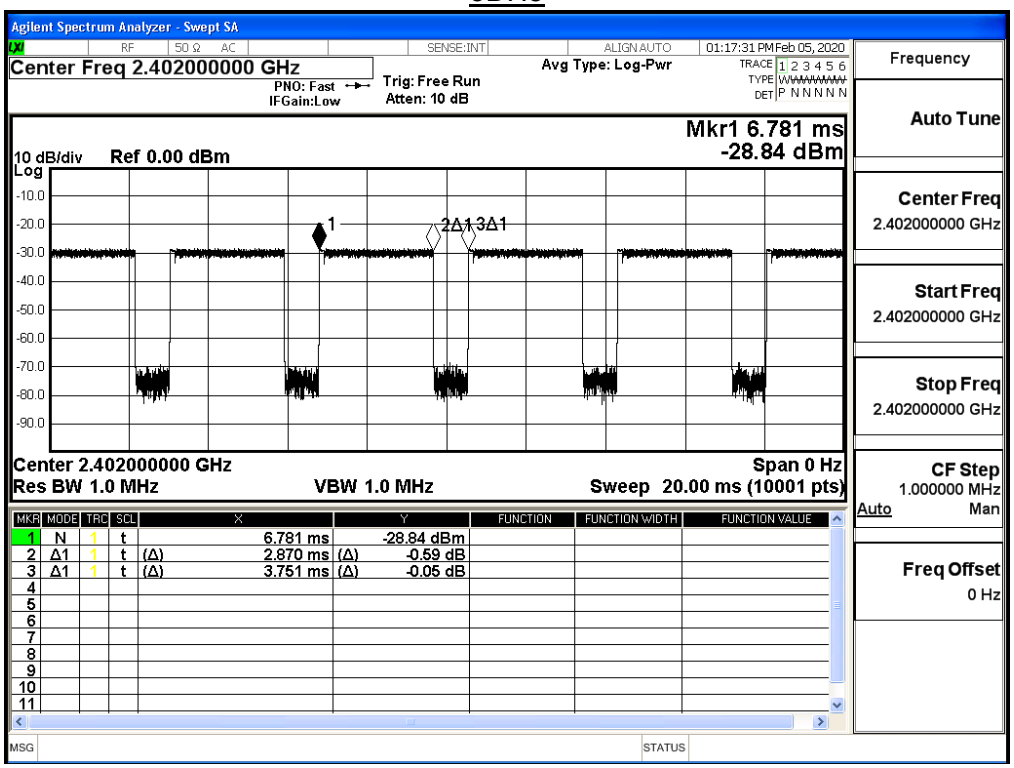
DH5



2DH5


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.402000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
01:16:18 PM Feb 05, 2020
Mkr1 6.555 ms
-27.17 dBm
10 dB/div
Ref 0.00 dBm
Log
Center 2.402000000 GHz
Res BW 1.0 MHz
VBW 1.0 MHz
Span 0 Hz
Sweep 20.00 ms (10001 pts)
1 N 1 t 6.555 ms -27.17 dBm
2 Δ1 1 t (Δ) 2.872 ms (Δ) -0.21 dB
3 Δ1 1 t (Δ) 3.751 ms (Δ) -0.16 dB
Frequency
Auto Tune
Center Freq
2.402000000 GHz
Start Freq
2.402000000 GHz
Stop Freq
2.402000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

3DH5

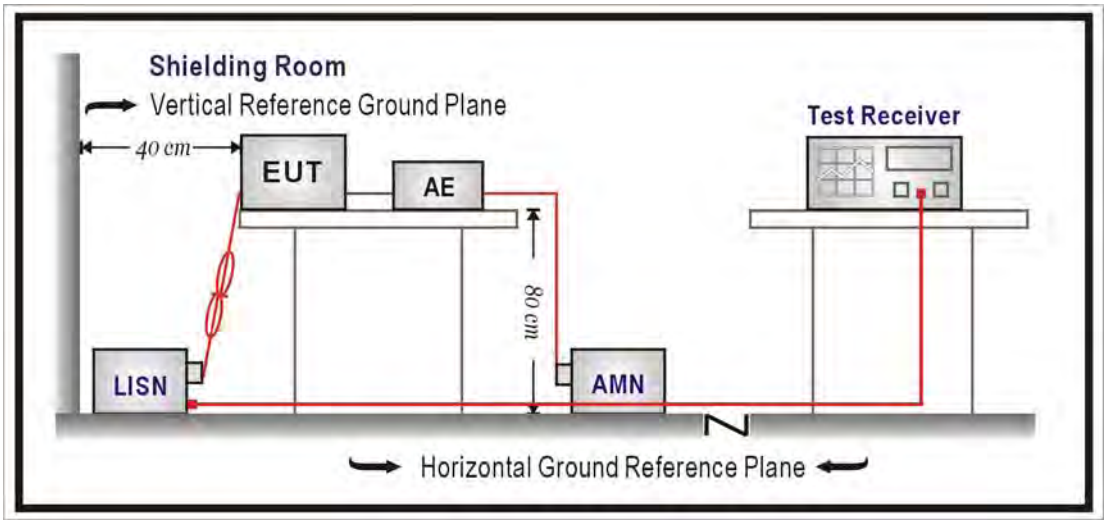

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.402000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
01:17:31 PM Feb 05, 2020
Mkr1 6.781 ms
-28.84 dBm
10 dB/div
Ref 0.00 dBm
Log
Center 2.402000000 GHz
Res BW 1.0 MHz
VBW 1.0 MHz
Span 0 Hz
Sweep 20.00 ms (10001 pts)
1 N 1 t 6.781 ms -28.84 dBm
2 Δ1 1 t (Δ) 2.870 ms (Δ) -0.59 dB
3 Δ1 1 t (Δ) 3.751 ms (Δ) -0.05 dB
Frequency
Auto Tune
Center Freq
2.402000000 GHz
Start Freq
2.402000000 GHz
Stop Freq
2.402000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

1.9. Uncertainty

Test item	Uncertainty
Maximum peak conducted output power	± 1.27 dB
Radiated Emission	30MHz～1GHz as ±3.43dB 1GHz～26.5Ghz as ±3.65dB
RF antenna conducted test	± 1.27dB
Band Edge	±3.65dB
Number of hopping frequency	± 1.27 dB
Carrier Frequency Separation	± 50 Hz
-20dB Bandwidth	± 50Hz
Dwell Time	± 25 msec

2. Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency	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.

2.3. 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: 2013 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.4. Test Specification

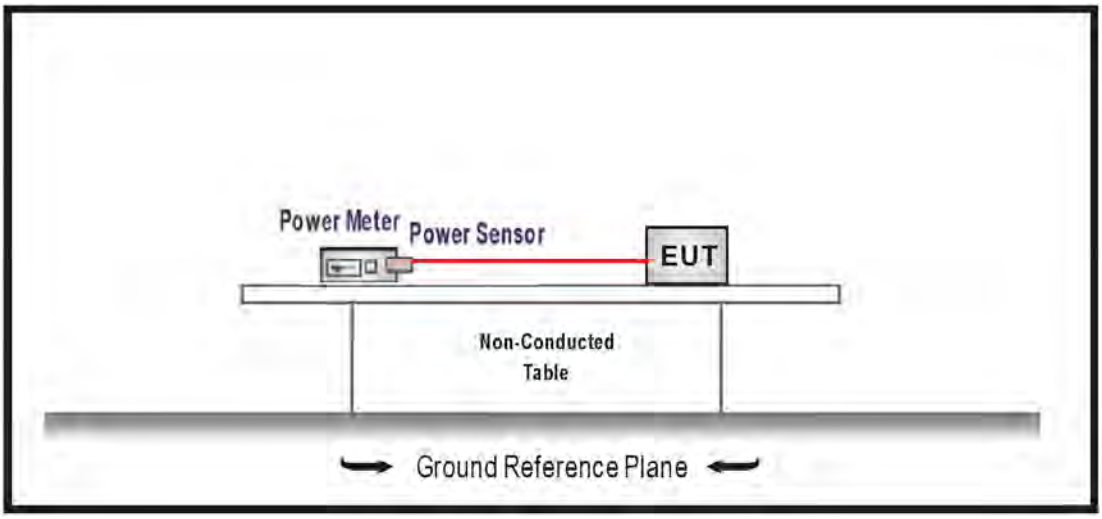
According to FCC Part 15 Subpart C Paragraph 15.207: 2018

2.5. Test Result

Owing to the DC operation of EUT, this test item is not performed.

3. Maximum peak conducted output power

3.1. Test Setup



3.2. Test procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements

3.3. 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 operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

3.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2018.

3.5. Test Result

Product	Android Based UI		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

GFSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
00	2402	7.820	≦30
39	2441	9.470	≦30
78	2480	8.550	≦30

π/4-DQPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
00	2402	6.840	≦30
39	2441	8.590	≦30
78	2480	7.650	≦30

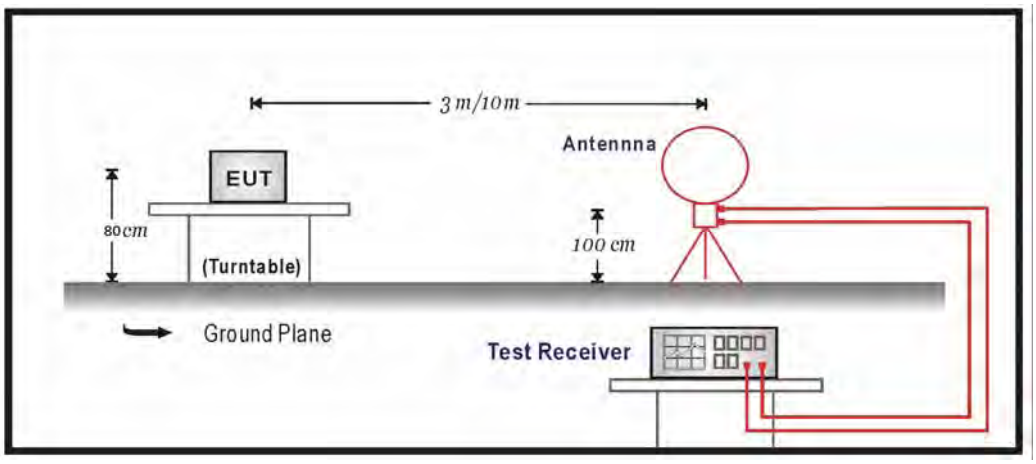
8-DPSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
00	2402	6.830	≦30
39	2441	8.570	≦30
78	2480	7.650	≦30

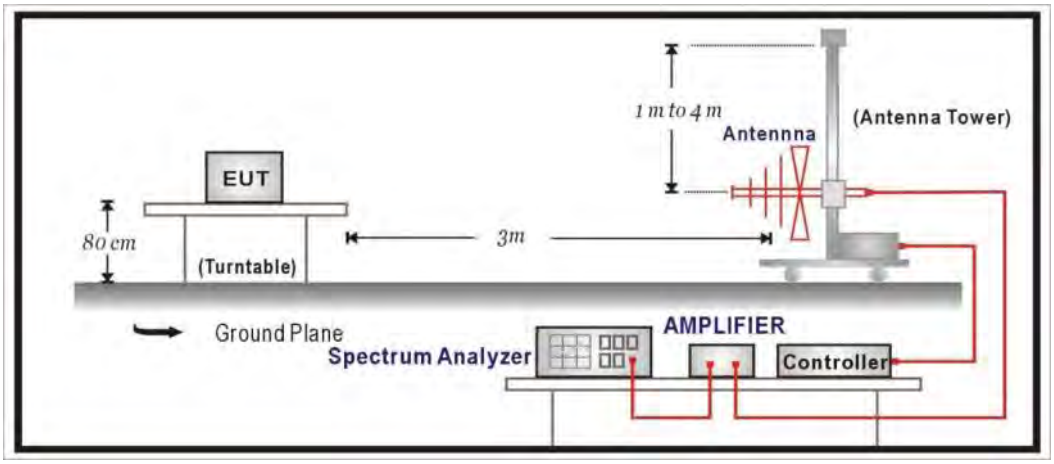
4. Radiated Emission

4.1. Test Setup

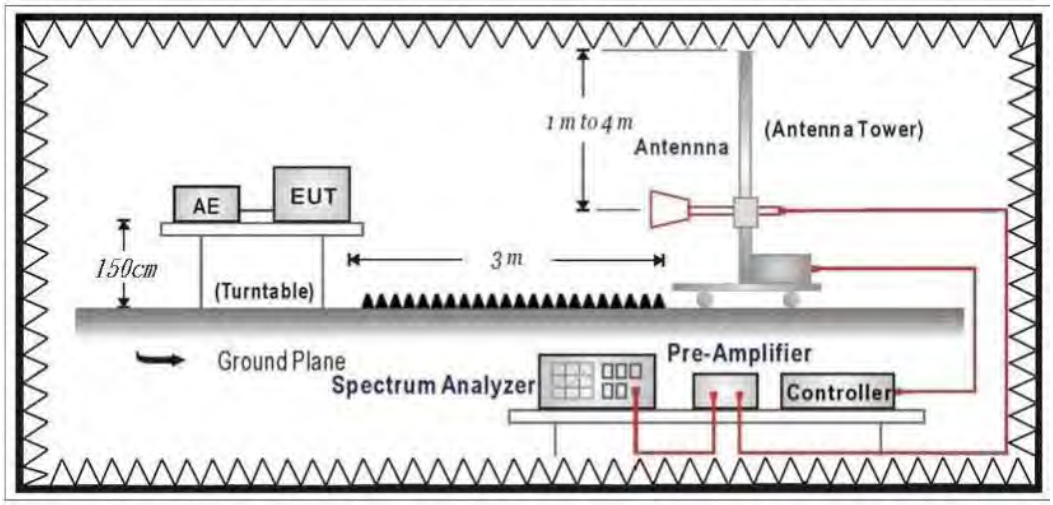
Under 30MHz Test Setup:



Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.2. 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.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 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 form 9KHz(inculde The the lowest oscillator frequency generated within the device up to the 10th harmonic) 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.

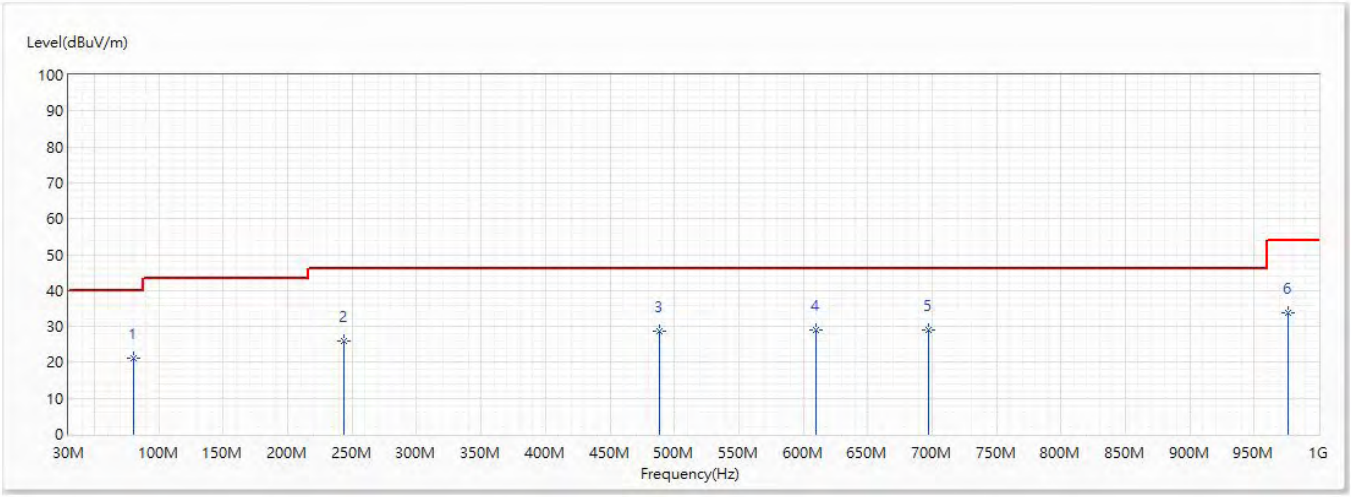
4.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2018

4.5. Test Result

30MHz-1GHz Spurious

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/9
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	80.44	21.11	40.00	-18.89	28.25	-7.14	QP
2	244.006	25.94	46.00	-20.06	27.62	-1.68	QP
3	488.083	28.57	46.00	-17.43	24.12	4.45	QP
* 4	609.939	29.09	46.00	-16.91	23.01	6.08	QP
5	697.36	28.99	46.00	-17.01	21.98	7.01	QP
6	976.114	33.85	54.00	-20.15	23.09	10.76	QP

Note:

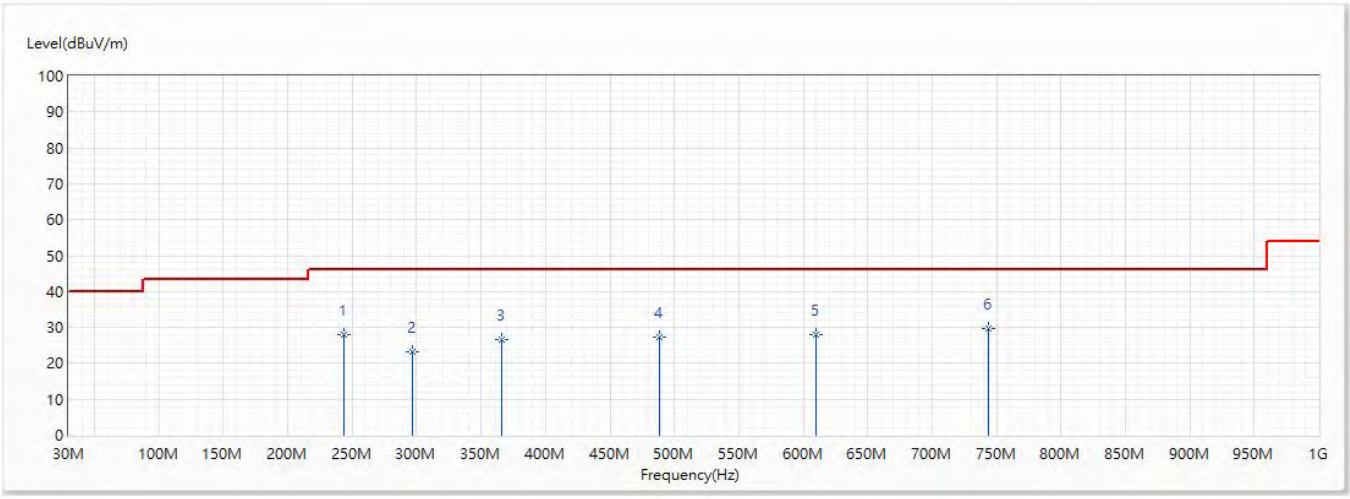
1. All reading levels is Quasi-Peak value.

2. “ * ”, means this data is the worst value.

3. Emission Level = Reading Level + Correct Factor

4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/9
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	244.006	28.13	46.00	-17.87	29.81	-1.68	QP
2	296.993	23.19	46.00	-22.81	23.67	-0.48	QP
3	365.984	26.72	46.00	-19.28	24.97	1.75	QP
4	488.083	27.39	46.00	-18.61	22.94	4.45	QP
5	610.06	27.87	46.00	-18.13	21.79	6.08	QP
* 6	744.041	29.76	46.00	-16.24	22.16	7.60	QP

Note:

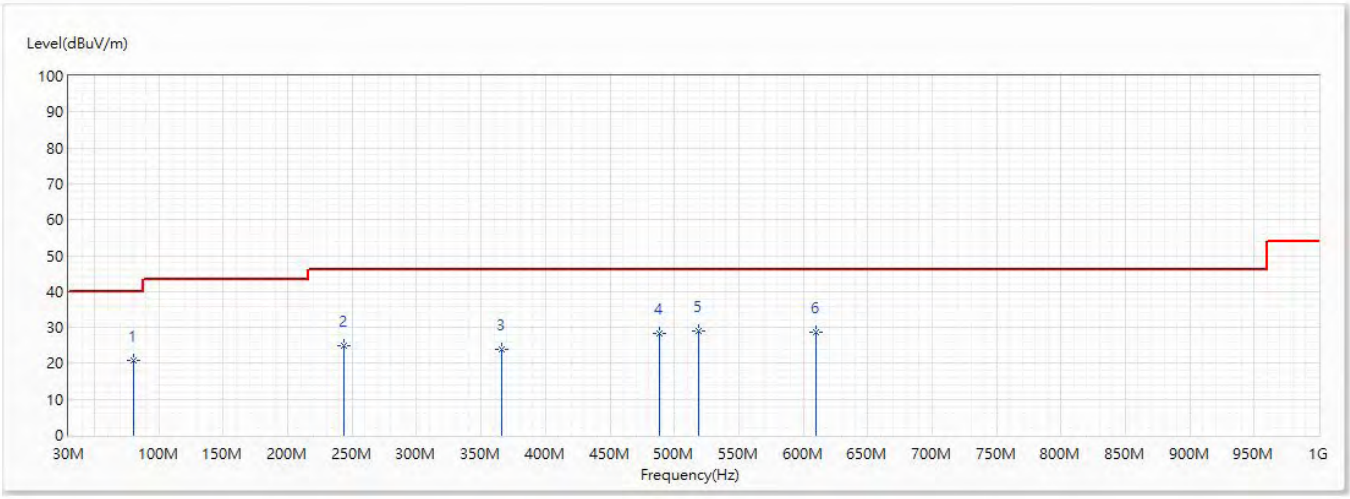
1. All reading levels is Quasi-Peak value.

2. “ * ”, means this data is the worst value.

3. Emission Level = Reading Level + Correct Factor

4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/9
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	80.44	20.73	40.00	-19.27	27.87	-7.14	QP
2	244.006	25.06	46.00	-20.94	26.74	-1.68	QP
3	365.984	23.94	46.00	-22.06	22.19	1.75	QP
4	488.083	28.45	46.00	-17.55	24.00	4.45	QP
* 5	518.516	28.91	46.00	-17.09	23.99	4.92	QP
6	610.06	28.68	46.00	-17.32	22.60	6.08	QP

Note:

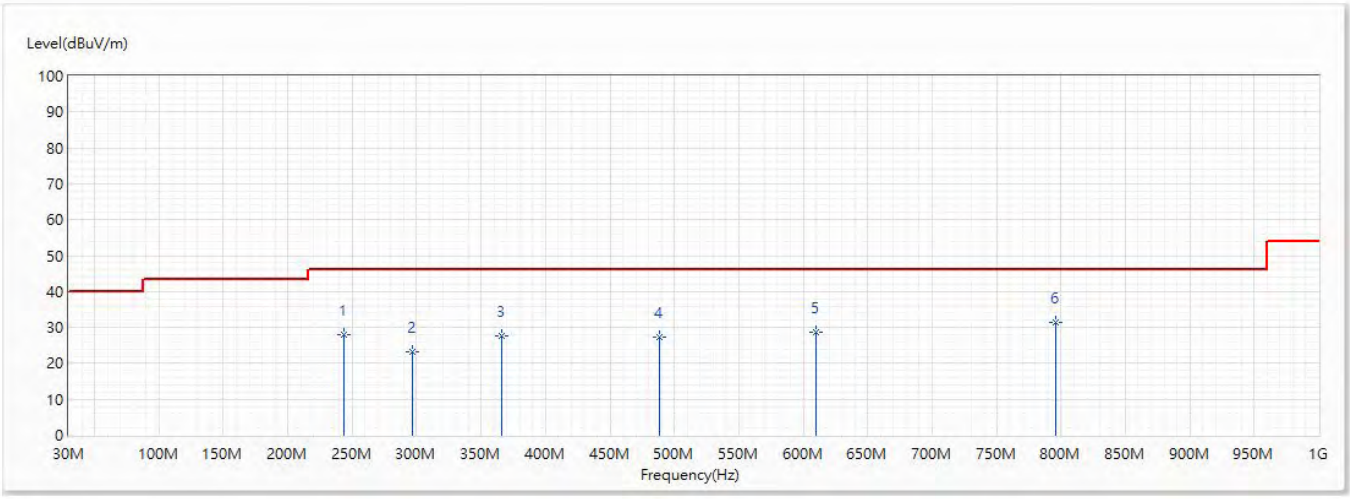
1. All reading levels is Quasi-Peak value.

2. “ * ”, means this data is the worst value.

3. Emission Level = Reading Level + Correct Factor

4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/9
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	244.006	27.98	46.00	-18.02	29.66	-1.68	QP
2	296.993	23.14	46.00	-22.86	23.62	-0.48	QP
3	365.984	27.54	46.00	-18.46	25.79	1.75	QP
4	487.961	27.17	46.00	-18.83	22.72	4.45	QP
5	609.939	28.51	46.00	-17.49	22.43	6.08	QP
* 6	795.815	31.55	46.00	-14.45	23.29	8.26	QP

Note:

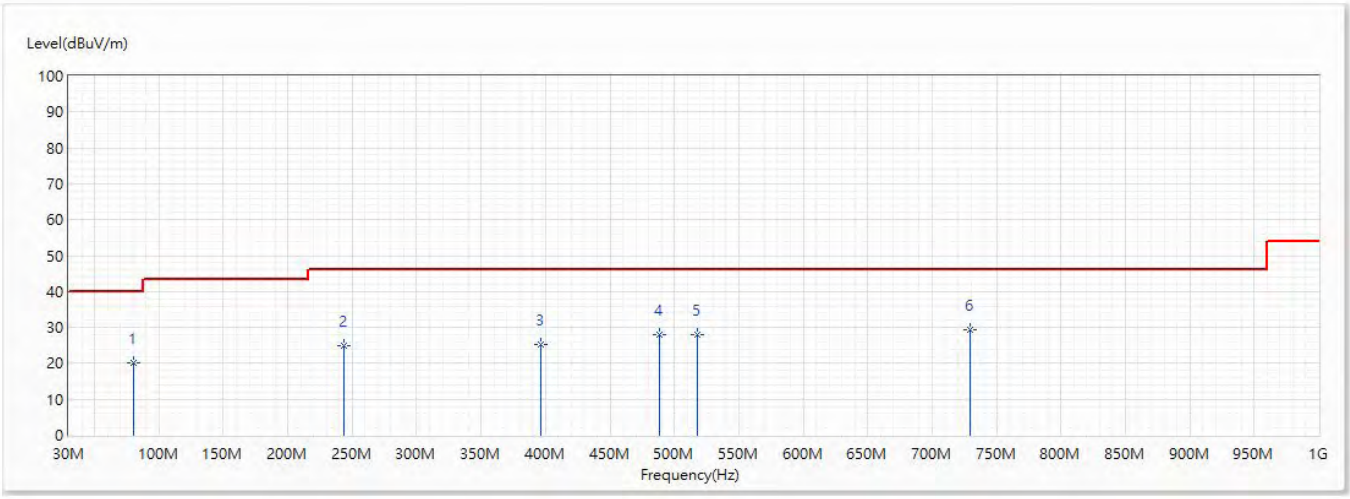
1. All reading levels is Quasi-Peak value.

2. “ * ”, means this data is the worst value.

3. Emission Level = Reading Level + Correct Factor

4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/9
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	80.561	20.27	40.00	-19.73	27.40	-7.13	QP
2	244.006	25.06	46.00	-20.94	26.74	-1.68	QP
3	396.539	25.34	46.00	-20.66	22.60	2.74	QP
4	487.961	27.84	46.00	-18.16	23.39	4.45	QP
5	518.274	27.92	46.00	-18.08	23.01	4.91	QP
* 6	729.249	29.29	46.00	-16.71	21.87	7.42	QP

Note:

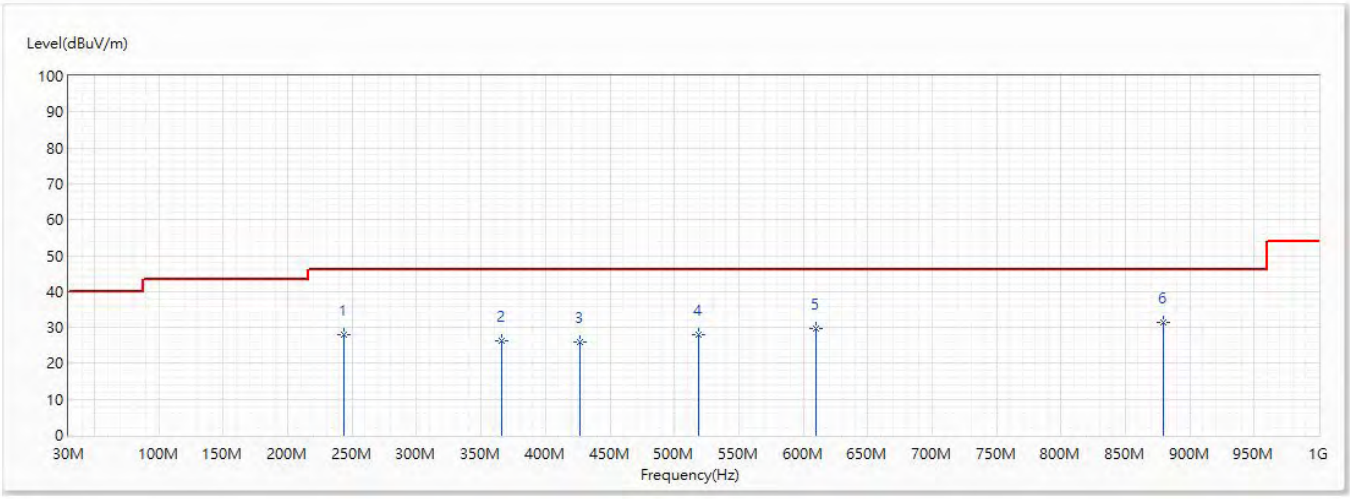
1. All reading levels is Quasi-Peak value.

2. “ * ”, means this data is the worst value.

3. Emission Level = Reading Level + Correct Factor

4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/9
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	244.006	28.03	46.00	-17.97	29.71	-1.68	QP
2	365.984	26.37	46.00	-19.63	24.62	1.75	QP
3	426.973	25.83	46.00	-20.17	22.47	3.36	QP
4	518.516	28.11	46.00	-17.89	23.19	4.92	QP
5	610.06	29.73	46.00	-16.27	23.65	6.08	QP
* 6	879.478	31.43	46.00	-14.57	22.13	9.30	QP

Note:

1. All reading levels is Quasi-Peak value.

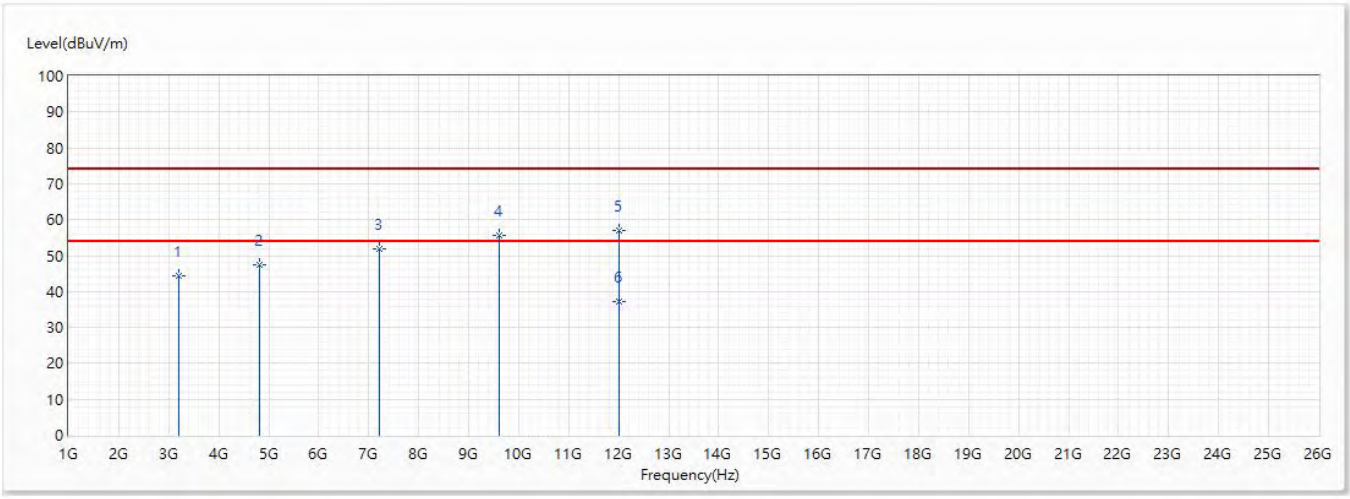
2. “ * ”, means this data is the worst value.

3. Emission Level = Reading Level + Correct Factor

4. The emission under 30MHz were not included is because their levels are lower than 20dB from limit.

Harmonic & Spurious:

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3202.666	44.32	74.00	-29.68	58.69	-14.37	PK
2	4804	47.57	74.00	-26.43	56.04	-8.47	PK
3	7206	51.95	74.00	-22.05	51.76	0.19	PK
4	9608	55.60	74.00	-18.40	50.86	4.74	PK
* 5	12010	57.13	74.00	-16.87	48.00	9.13	PK
6	12010	37.13	54.00	-16.87	28.00	9.13	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

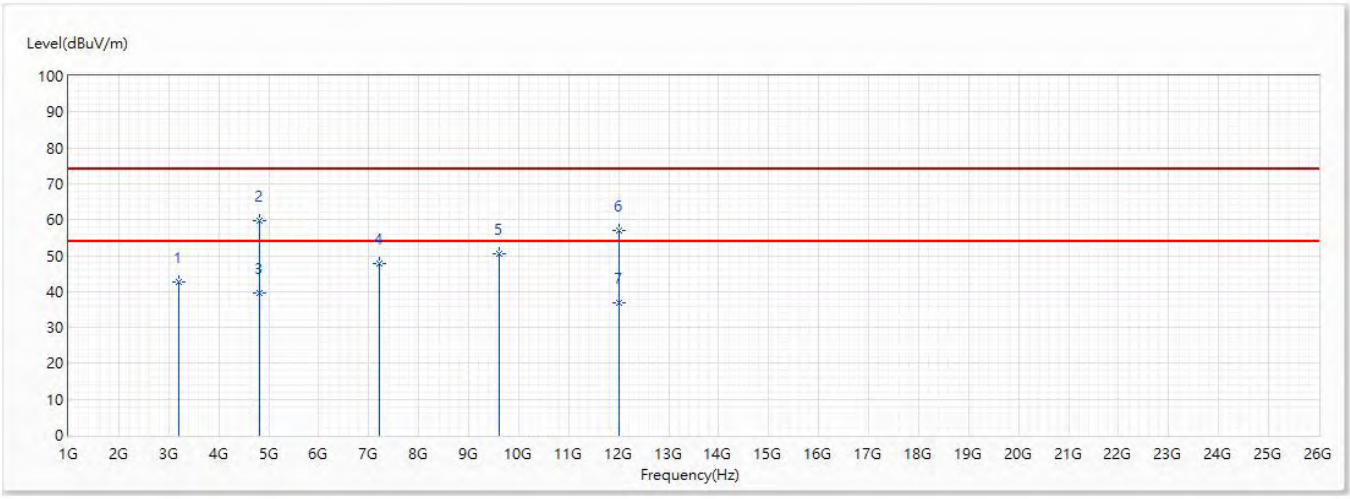
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3202.66	42.66	74.00	-31.34	57.03	-14.37	PK
* 2	4804	59.56	74.00	-14.44	68.03	-8.47	PK
3	4804	39.56	54.00	-14.44	48.03	-8.47	AV
4	7206	47.90	74.00	-26.10	47.71	0.19	PK
5	9608	50.40	74.00	-23.60	45.66	4.74	PK
6	12010	57.02	74.00	-16.98	47.89	9.13	PK
7	12010	37.02	54.00	-16.98	27.89	9.13	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

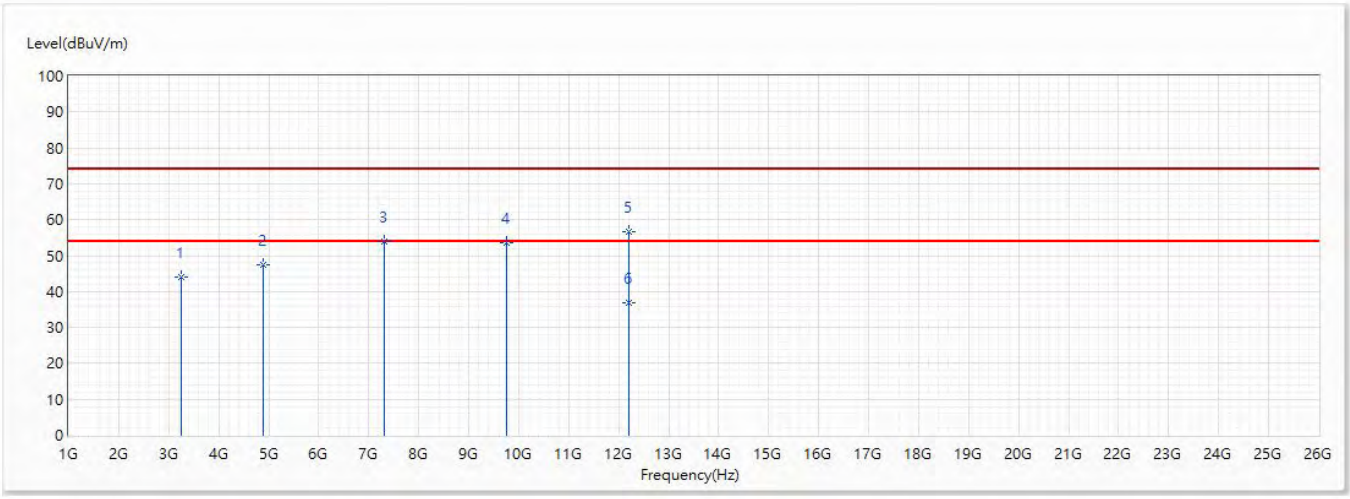
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3254.666	43.90	74.00	-30.10	58.16	-14.26	PK
2	4882	47.58	74.00	-26.42	55.81	-8.23	PK
3	7323	53.97	74.00	-20.03	53.54	0.43	PK
4	9764	53.52	74.00	-20.48	48.64	4.88	PK
* 5	12205	56.73	74.00	-17.27	48.15	8.58	PK
6	12205	36.73	54.00	-17.27	28.15	8.58	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

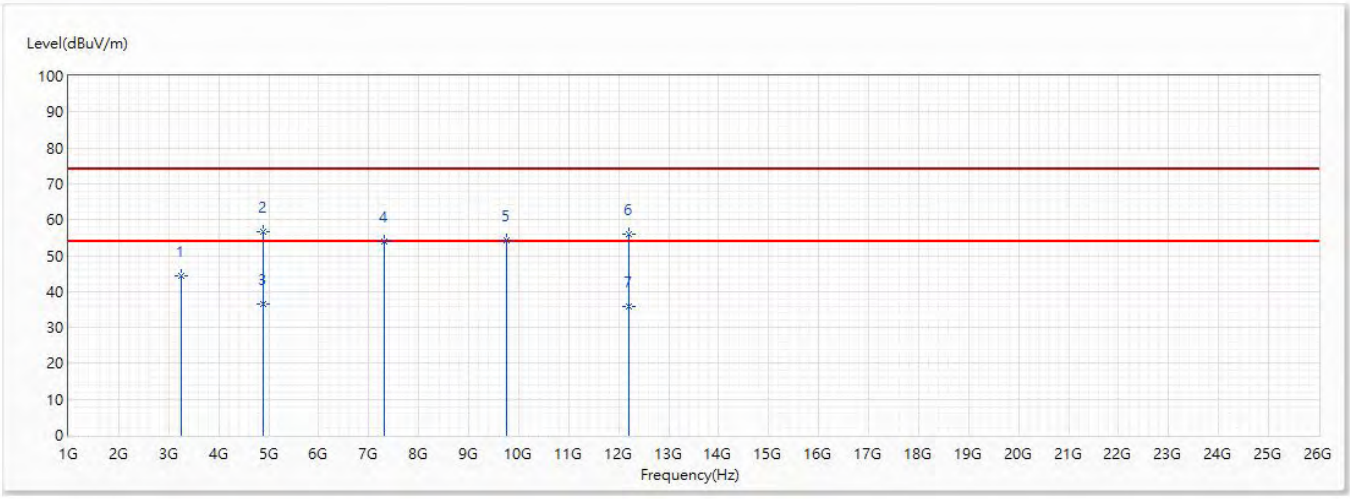
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3254.666	44.42	74.00	-29.58	58.68	-14.26	PK
* 2	4882	56.52	74.00	-17.48	64.75	-8.23	PK
3	4882	36.52	54.00	-17.48	44.75	-8.23	AV
4	7323	53.81	74.00	-20.19	53.38	0.43	PK
5	9764	54.10	74.00	-19.90	49.22	4.88	PK
6	12205	55.97	74.00	-18.03	47.39	8.58	PK
7	12205	35.97	54.00	-18.03	27.39	8.58	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

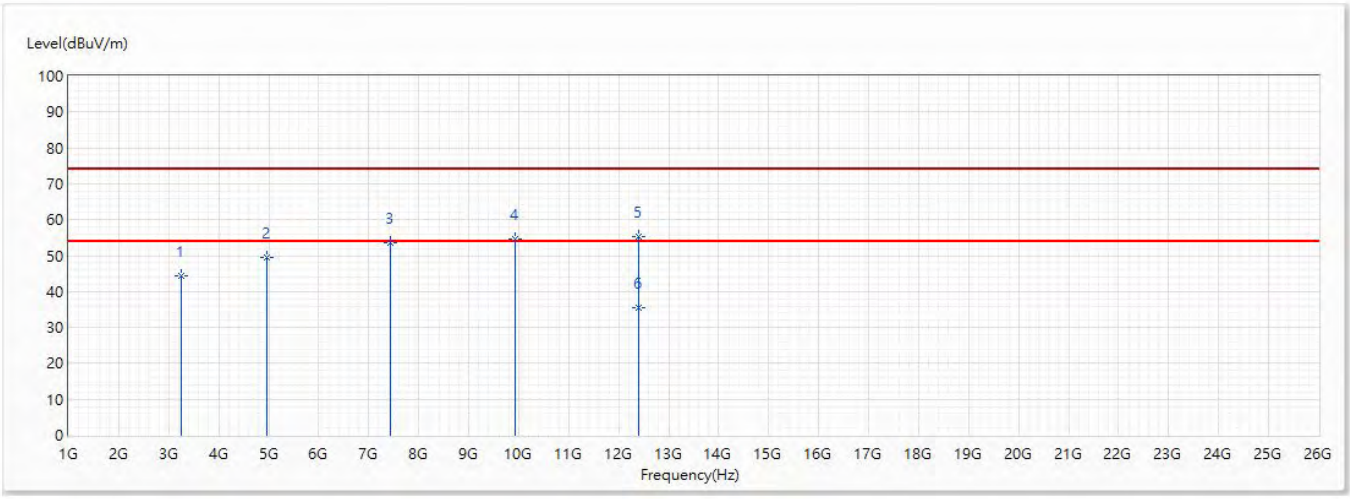
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3254.666	44.44	74.00	-29.56	58.70	-14.26	PK
2	4960	49.38	74.00	-24.62	57.34	-7.96	PK
3	7440	53.54	74.00	-20.46	52.87	0.67	PK
4	9920	54.48	74.00	-19.52	49.44	5.04	PK
* 5	12400	55.39	74.00	-18.61	47.36	8.03	PK
6	12400	35.39	54.00	-18.61	27.36	8.03	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

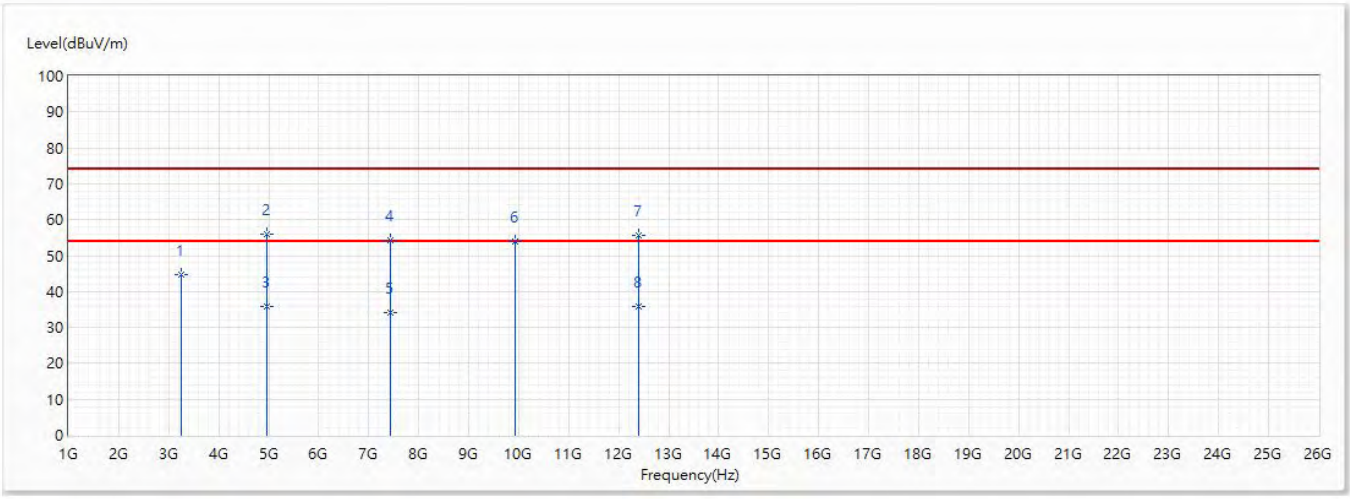
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3254.666	44.57	74.00	-29.43	58.83	-14.26	PK
* 2	4960	55.90	74.00	-18.10	63.86	-7.96	PK
3	4960	35.90	54.00	-18.10	43.86	-7.96	AV
4	7440	54.23	74.00	-19.77	53.56	0.67	PK
5	7440	34.23	54.00	-19.77	33.56	0.67	AV
6	9920	54.09	74.00	-19.91	49.05	5.04	PK
7	12400	55.72	74.00	-18.28	47.69	8.03	PK
8	12400	35.72	54.00	-18.28	27.69	8.03	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

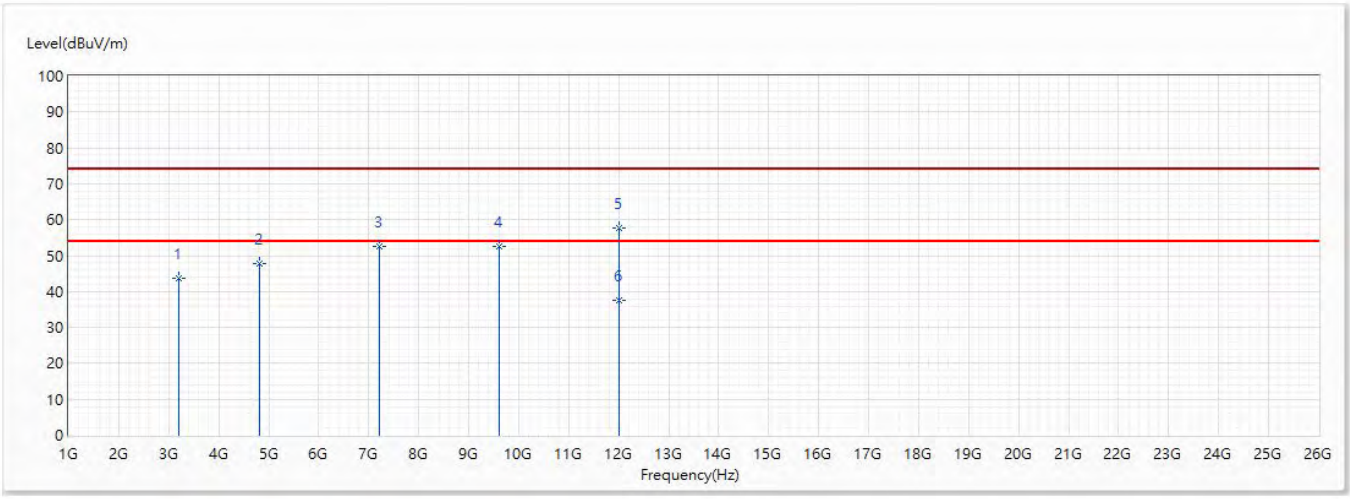
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3202.666	43.81	74.00	-30.19	58.18	-14.37	PK
2	4804	47.85	74.00	-26.15	56.32	-8.47	PK
3	7206	52.42	74.00	-21.58	52.23	0.19	PK
4	9608	52.42	74.00	-21.58	47.68	4.74	PK
* 5	12010	57.63	74.00	-16.37	48.50	9.13	PK
6	12010	37.63	54.00	-16.37	28.50	9.13	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

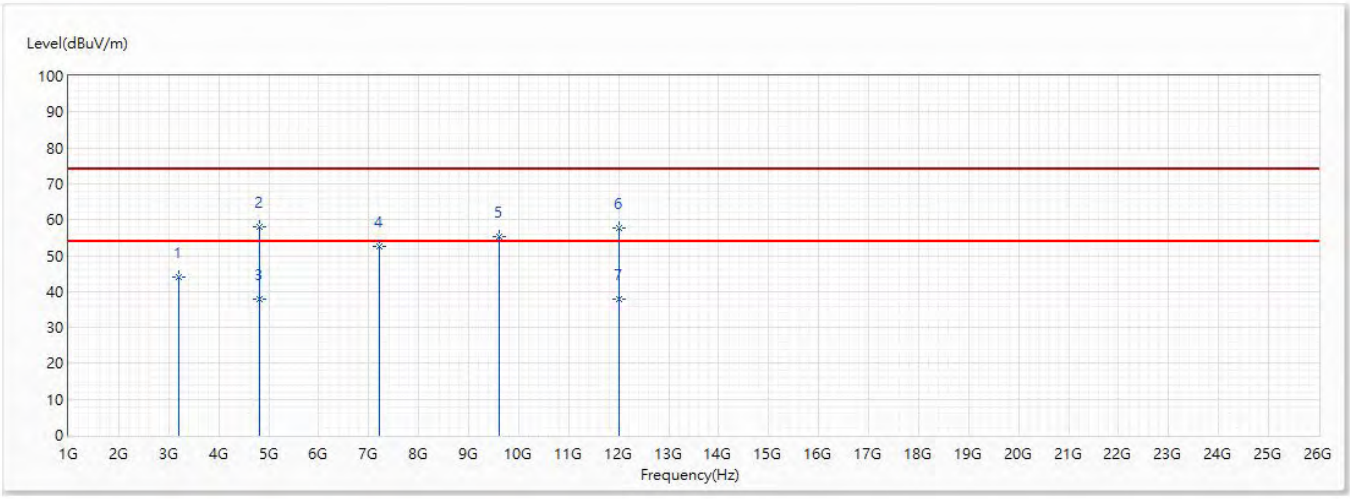
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3202.666	44.19	74.00	-29.81	58.56	-14.37	PK
* 2	4804	57.97	74.00	-16.03	66.44	-8.47	PK
3	4804	37.97	54.00	-16.03	46.44	-8.47	AV
4	7206	52.51	74.00	-21.49	52.32	0.19	PK
5	9608	55.38	74.00	-18.62	50.64	4.74	PK
6	12010	57.78	74.00	-16.22	48.65	9.13	PK
7	12010	37.78	54.00	-16.22	28.65	9.13	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

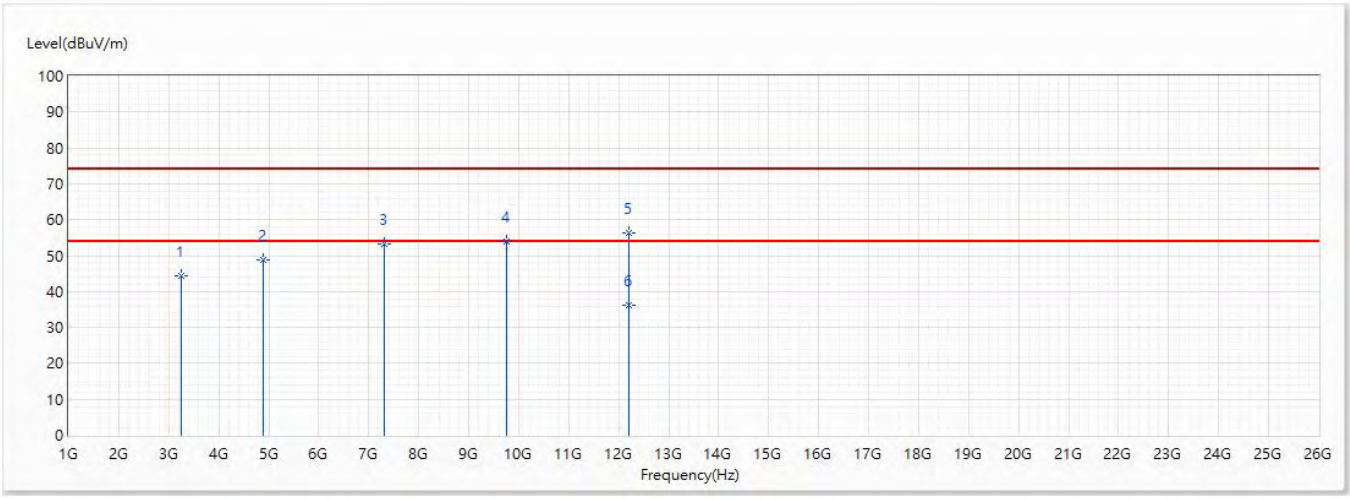
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3254.666	44.43	74.00	-29.57	58.69	-14.26	PK
2	4882	48.80	74.00	-25.20	57.03	-8.23	PK
3	7323	53.36	74.00	-20.64	52.93	0.43	PK
4	9764	53.98	74.00	-20.02	49.10	4.88	PK
* 5	12205	56.34	74.00	-17.66	47.76	8.58	PK
6	12205	36.34	54.00	-17.66	27.76	8.58	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

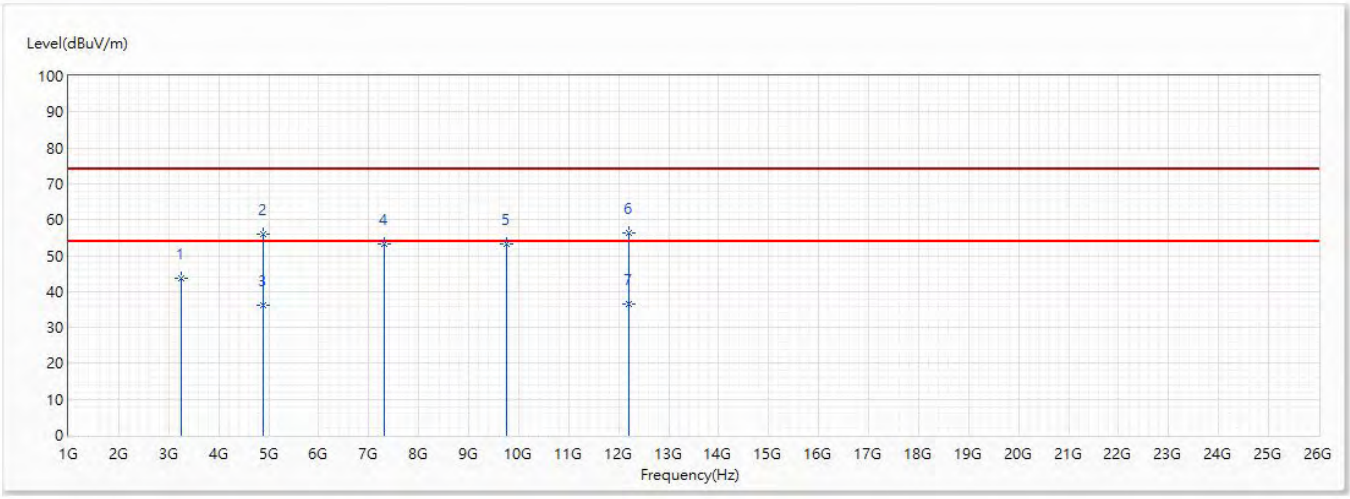
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3254.666	43.72	74.00	-30.28	57.98	-14.26	PK
2	4882	56.14	74.00	-17.86	64.37	-8.23	PK
3	4882	36.14	54.00	-17.86	44.37	-8.23	AV
4	7323	53.20	74.00	-20.80	52.77	0.43	PK
5	9764	53.10	74.00	-20.90	48.22	4.88	PK
* 6	12205	56.48	74.00	-17.52	47.90	8.58	PK
7	12205	36.48	54.00	-17.52	27.90	8.58	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

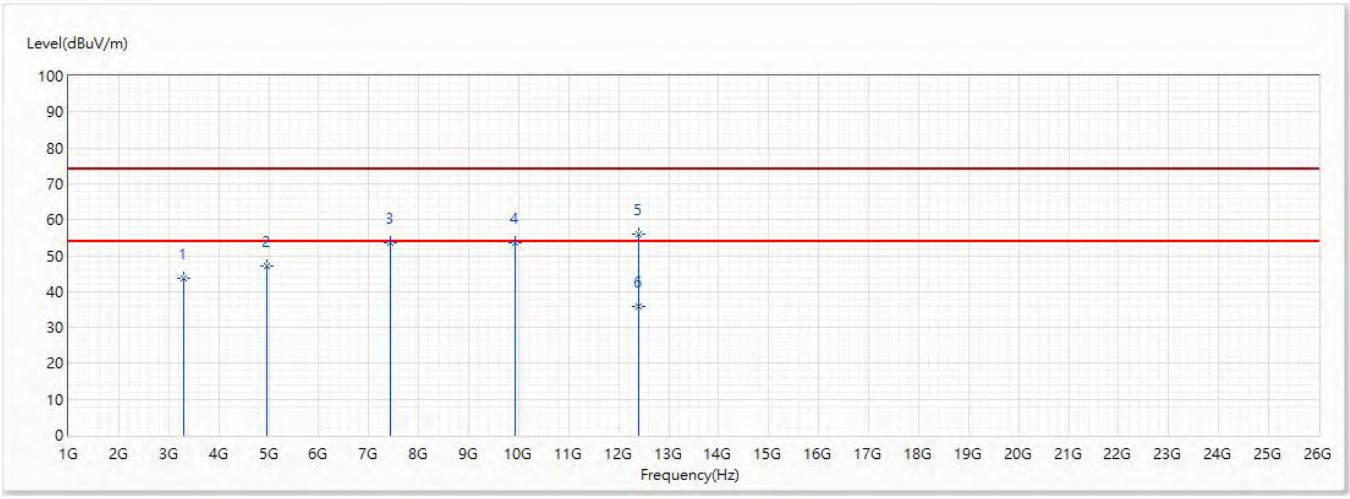
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3306.666	43.53	74.00	-30.47	57.67	-14.14	PK
2	4960	46.94	74.00	-27.06	54.90	-7.96	PK
3	7440	53.47	74.00	-20.53	52.80	0.67	PK
4	9920	53.75	74.00	-20.25	48.71	5.04	PK
* 5	12400	55.86	74.00	-18.14	47.83	8.03	PK
6	12400	35.86	54.00	-18.14	27.83	8.03	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

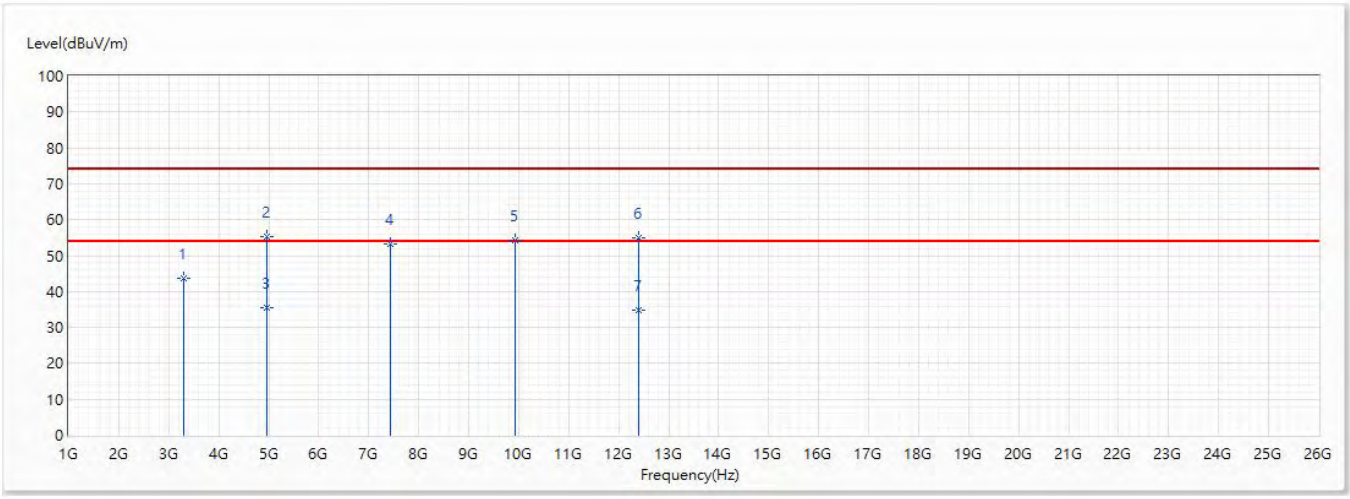
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3306.666	43.59	74.00	-30.41	57.73	-14.14	PK
* 2	4960	55.39	74.00	-18.61	63.35	-7.96	PK
3	4960	35.39	54.00	-18.61	43.35	-7.96	AV
4	7440	53.36	74.00	-20.64	52.69	0.67	PK
5	9920	54.20	74.00	-19.80	49.16	5.04	PK
6	12400	54.93	74.00	-19.07	46.90	8.03	PK
7	12400	34.93	54.00	-19.07	26.90	8.03	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

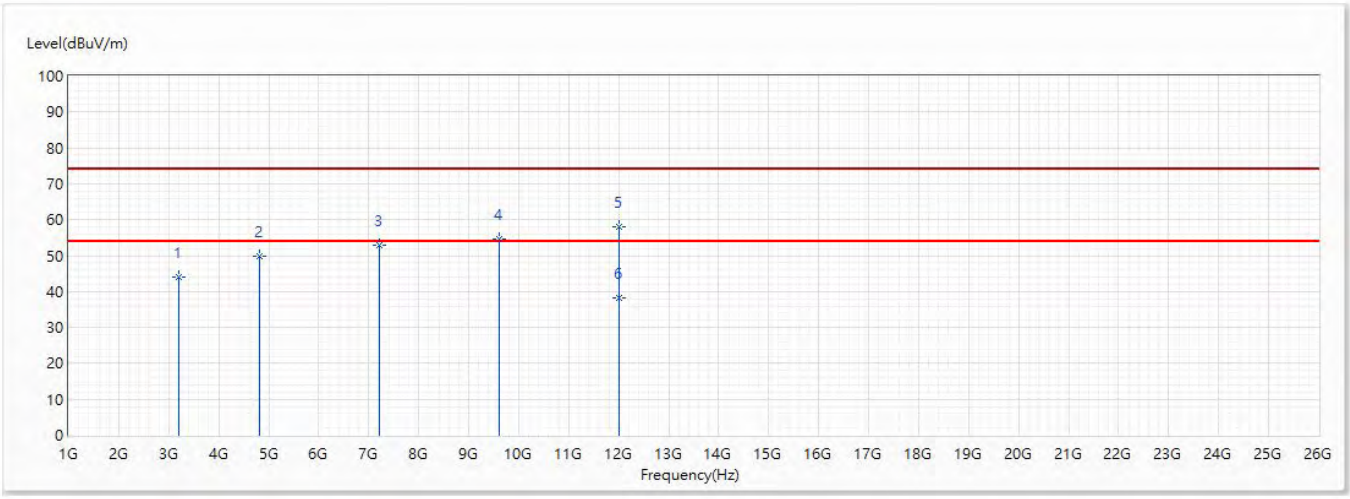
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3202.666	43.97	74.00	-30.03	58.34	-14.37	PK
2	4804	49.94	74.00	-24.06	58.41	-8.47	PK
3	7206	52.76	74.00	-21.24	52.57	0.19	PK
4	9608	54.63	74.00	-19.37	49.89	4.74	PK
* 5	12010	58.11	74.00	-15.89	48.98	9.13	PK
6	12010	38.11	54.00	-15.89	28.98	9.13	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

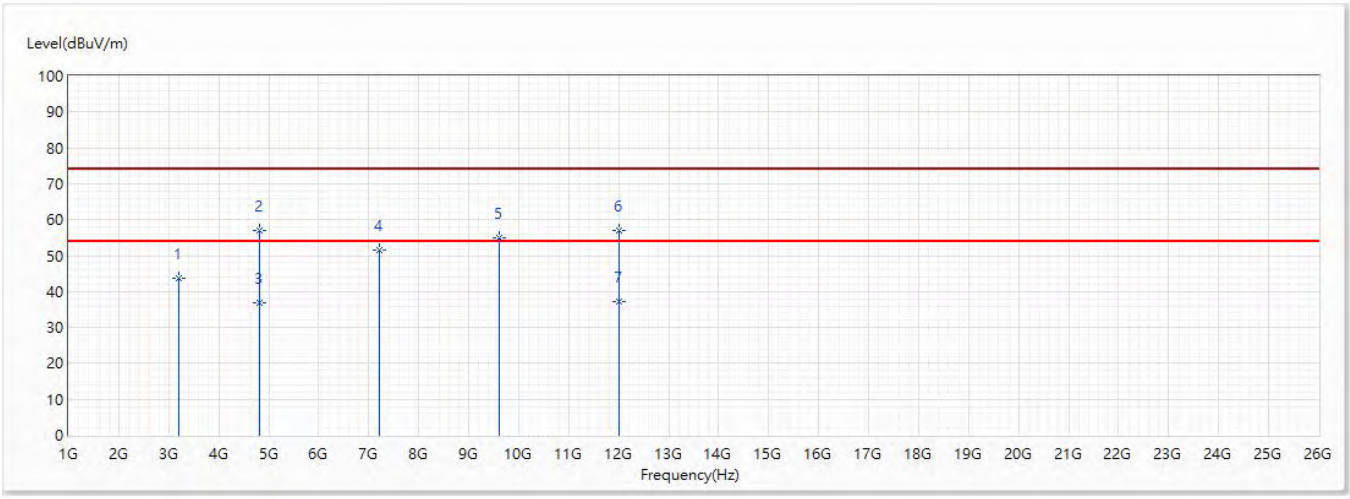
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3202.666	43.78	74.00	-30.22	58.15	-14.37	PK
2	4804	56.97	74.00	-17.03	65.44	-8.47	PK
3	4804	36.97	54.00	-17.03	45.44	-8.47	AV
4	7206	51.57	74.00	-22.43	51.38	0.19	PK
5	9608	54.92	74.00	-19.08	50.18	4.74	PK
* 6	12010	57.14	74.00	-16.86	48.01	9.13	PK
7	12010	37.14	54.00	-16.86	28.01	9.13	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

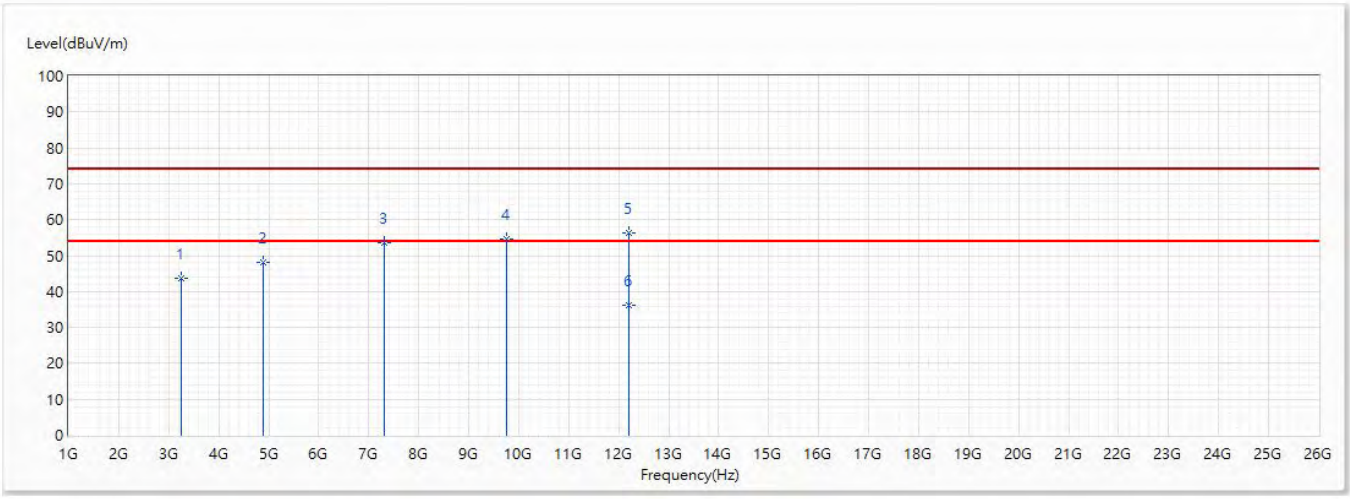
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3254.666	43.79	74.00	-30.21	58.05	-14.26	PK
2	4882	48.11	74.00	-25.89	56.34	-8.23	PK
3	7323	53.63	74.00	-20.37	53.20	0.43	PK
4	9764	54.51	74.00	-19.49	49.63	4.88	PK
* 5	12205	56.28	74.00	-17.72	47.70	8.58	PK
6	12205	36.28	54.00	-17.72	27.70	8.58	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

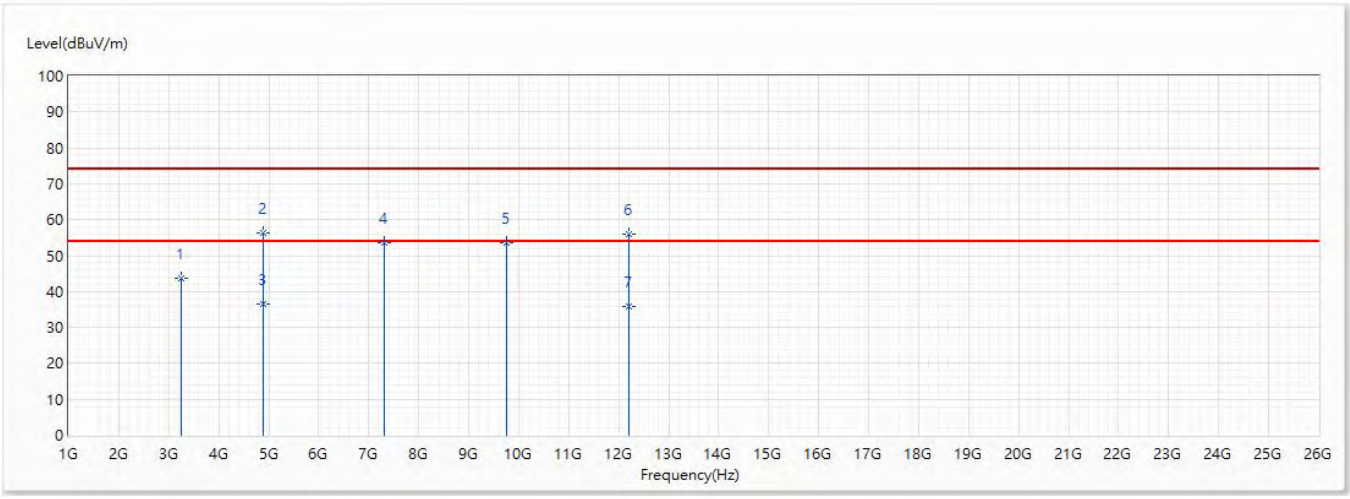
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3254.666	43.78	74.00	-30.22	58.04	-14.26	PK
* 2	4882	56.36	74.00	-17.64	64.59	-8.23	PK
3	4882	36.36	54.00	-17.64	44.59	-8.23	AV
4	7323	53.57	74.00	-20.43	53.14	0.43	PK
5	9764	53.74	74.00	-20.26	48.86	4.88	PK
6	12205	55.94	74.00	-18.06	47.36	8.58	PK
7	12205	35.94	54.00	-18.06	27.36	8.58	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

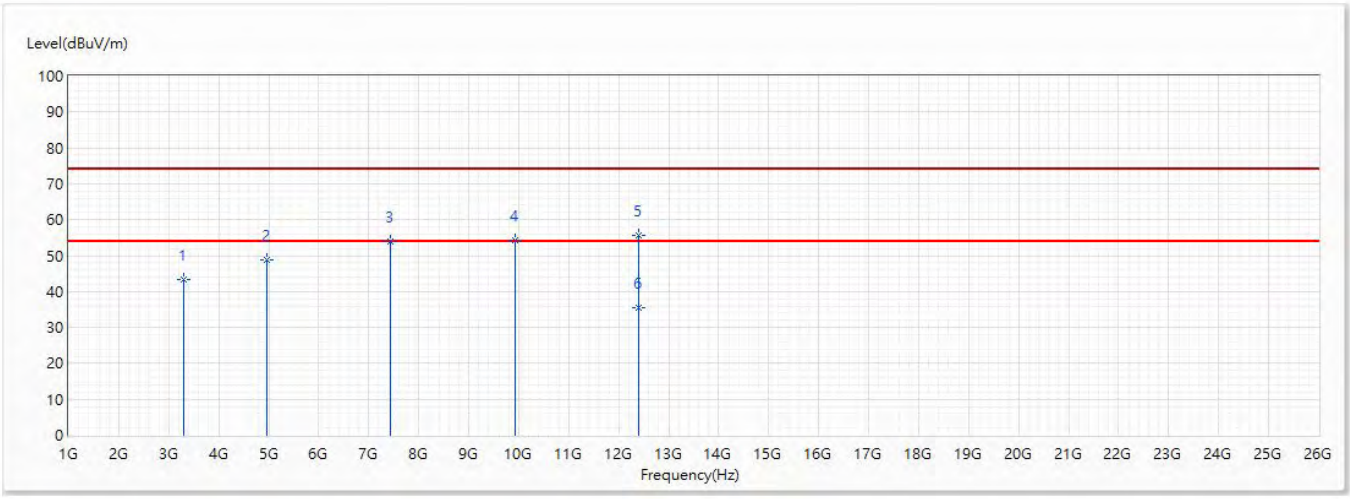
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3306.666	43.38	74.00	-30.62	57.52	-14.14	PK
2	4960	48.71	74.00	-25.29	56.67	-7.96	PK
3	7440	53.83	74.00	-20.17	53.16	0.67	PK
4	9920	54.20	74.00	-19.80	49.16	5.04	PK
* 5	12400	55.51	74.00	-18.49	47.48	8.03	PK
6	12400	35.51	54.00	-18.49	27.48	8.03	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

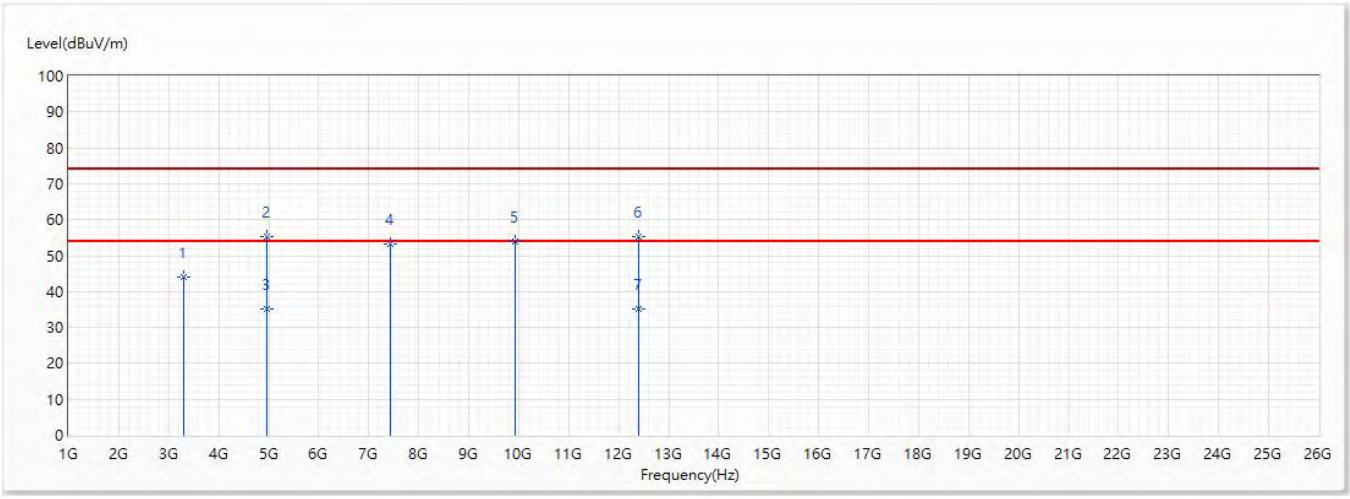
2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/24
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3306.666	44.08	74.00	-29.92	58.22	-14.14	PK
* 2	4960	55.21	74.00	-18.79	63.17	-7.96	PK
3	4960	35.21	54.00	-18.79	43.17	-7.96	AV
4	7440	53.26	74.00	-20.74	52.59	0.67	PK
5	9920	54.00	74.00	-20.00	48.96	5.04	PK
6	12400	55.12	74.00	-18.88	47.09	8.03	PK
7	12400	35.12	54.00	-18.88	27.09	8.03	AV

Note:

1.All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. “ * ”, means this data is the worst value.

3.Emission Level = Reading Level + Correct Factor.

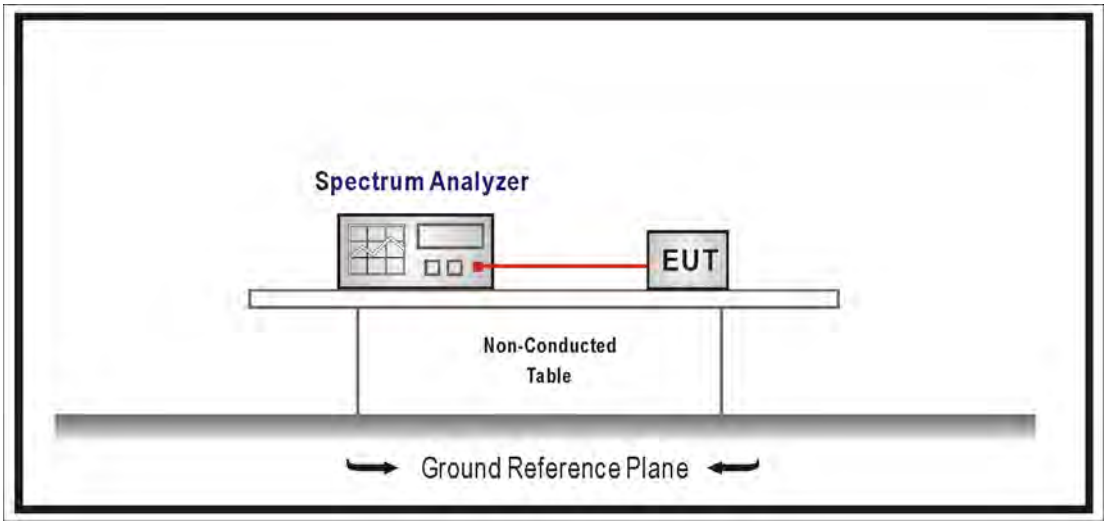
4.The average measurement was not performed when the peak measured data under the limit of average detection.

5.The emission above 13GHz were not included is because their levels are lower than 20dB form limit.

5. RF antenna conducted test

5.1. Test Setup

RF Conducted Measurement:



5.2. 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)).

5.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247

5.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2018

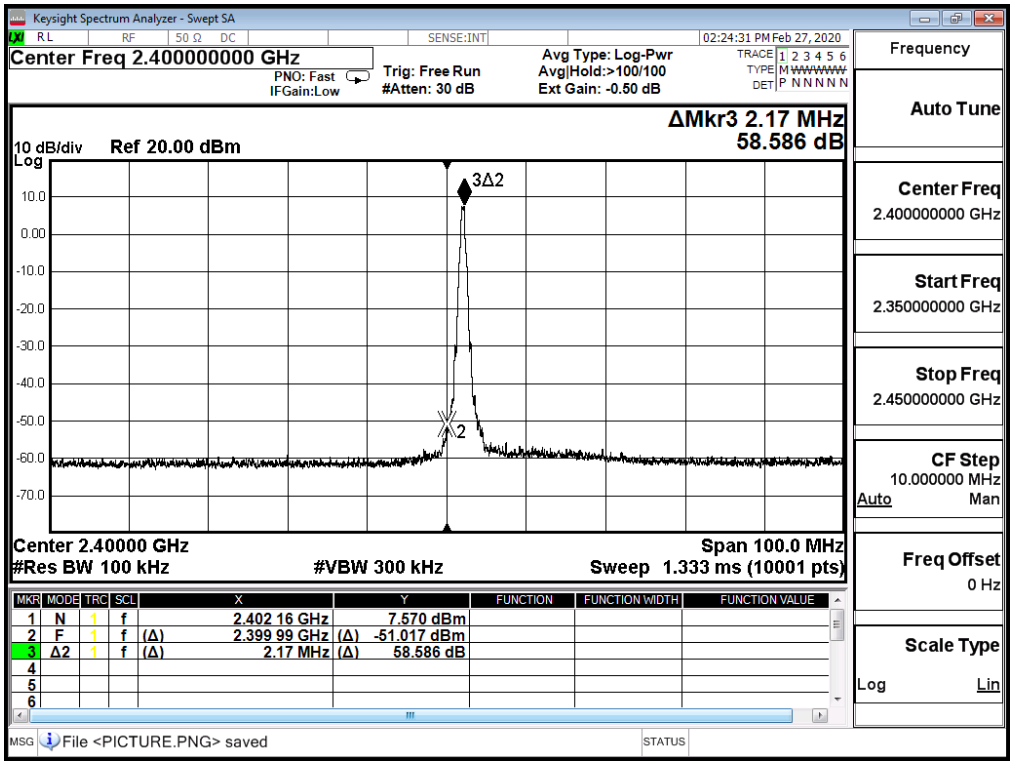
5.5. Test Result

Product	Android Based UI		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

GFSK

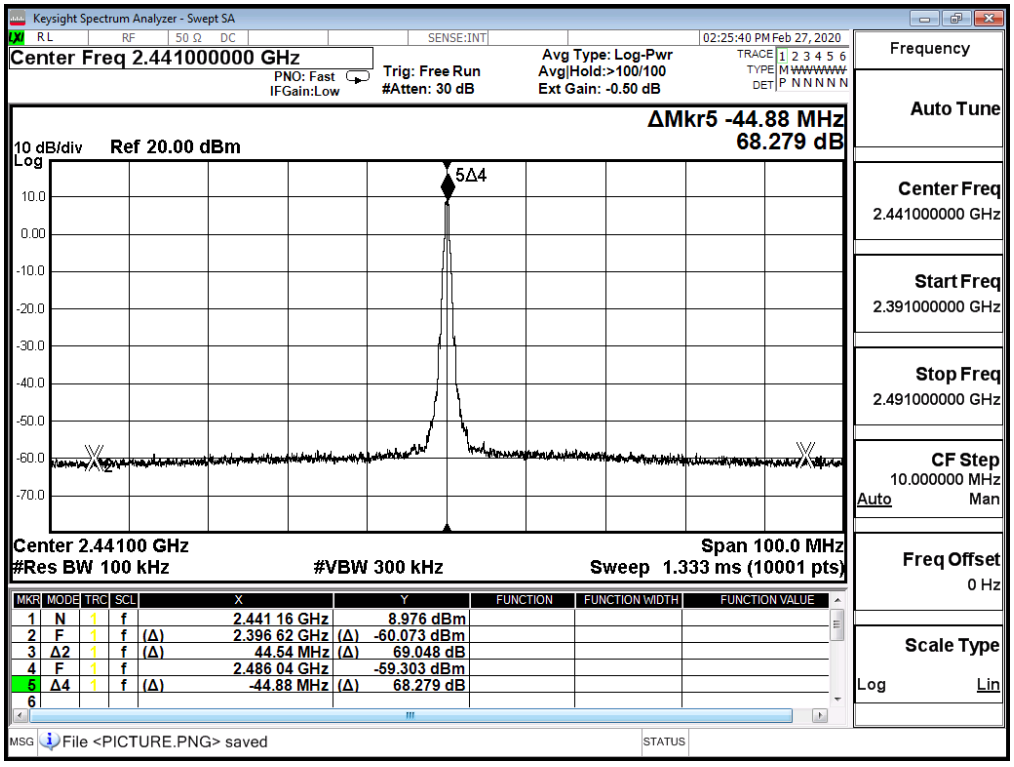
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
00	2402	53.838	≧20
39	2441	58.330	≧20
78	2480	58.574	≧20

Channel 00

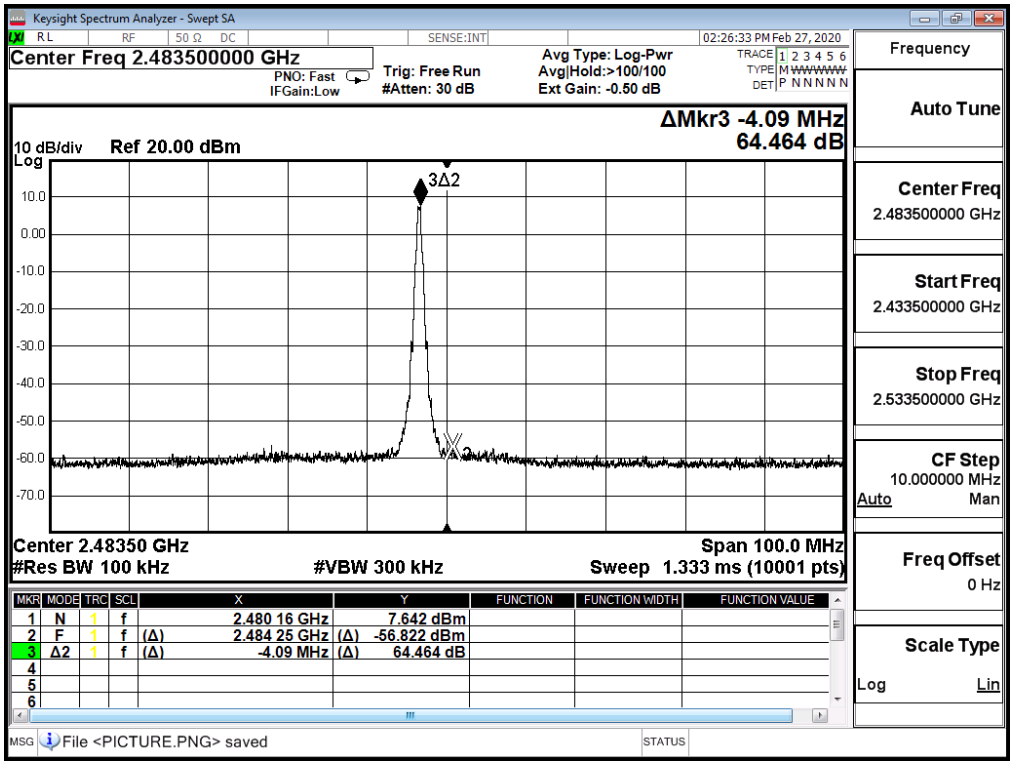


`

Channel 39



Channel 78

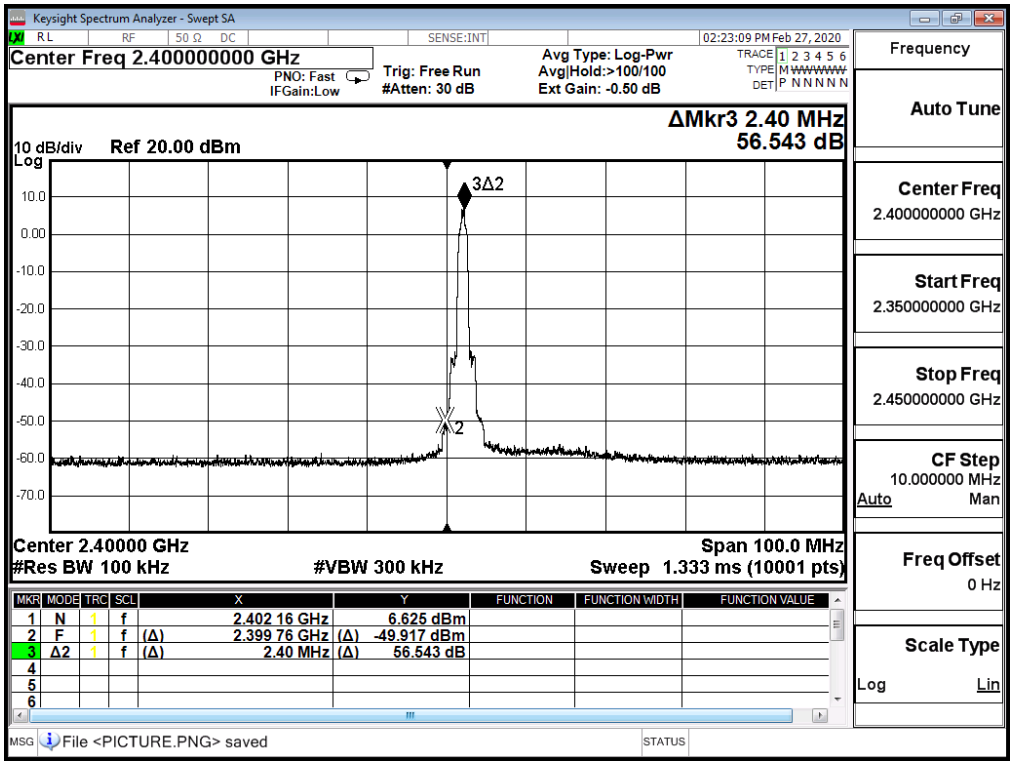


Product	Android Based UI		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

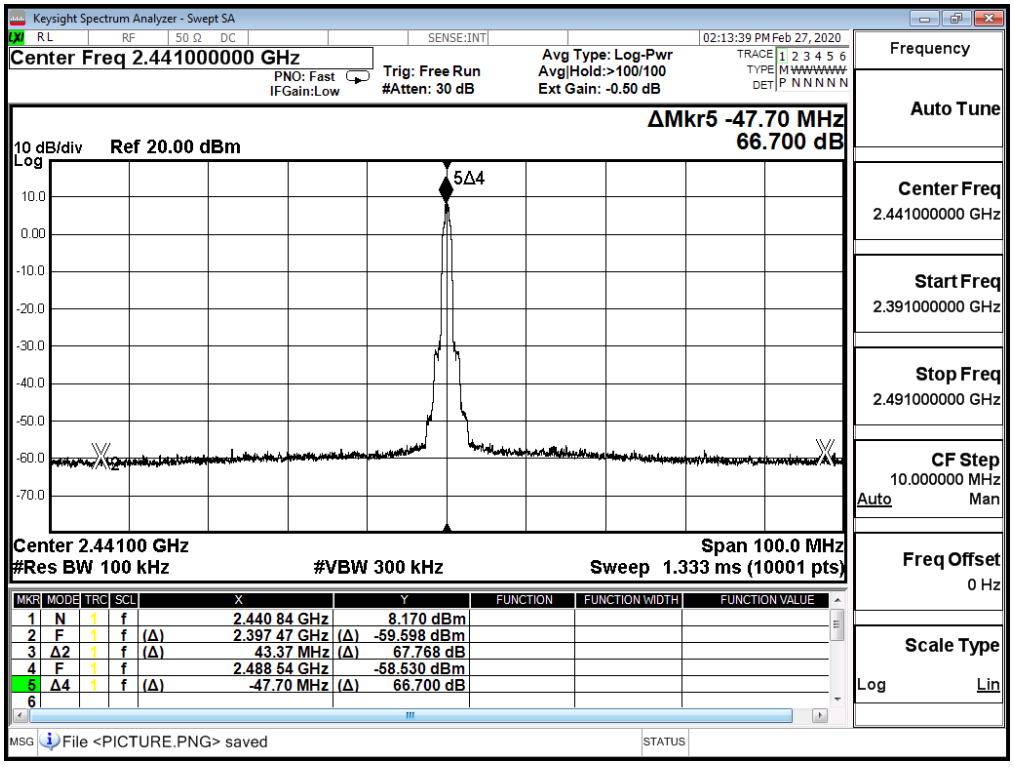
π/4-DQPSK

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
00	2402	54.186	≧20
39	2441	57.274	≧20
78	2480	57.739	≧20

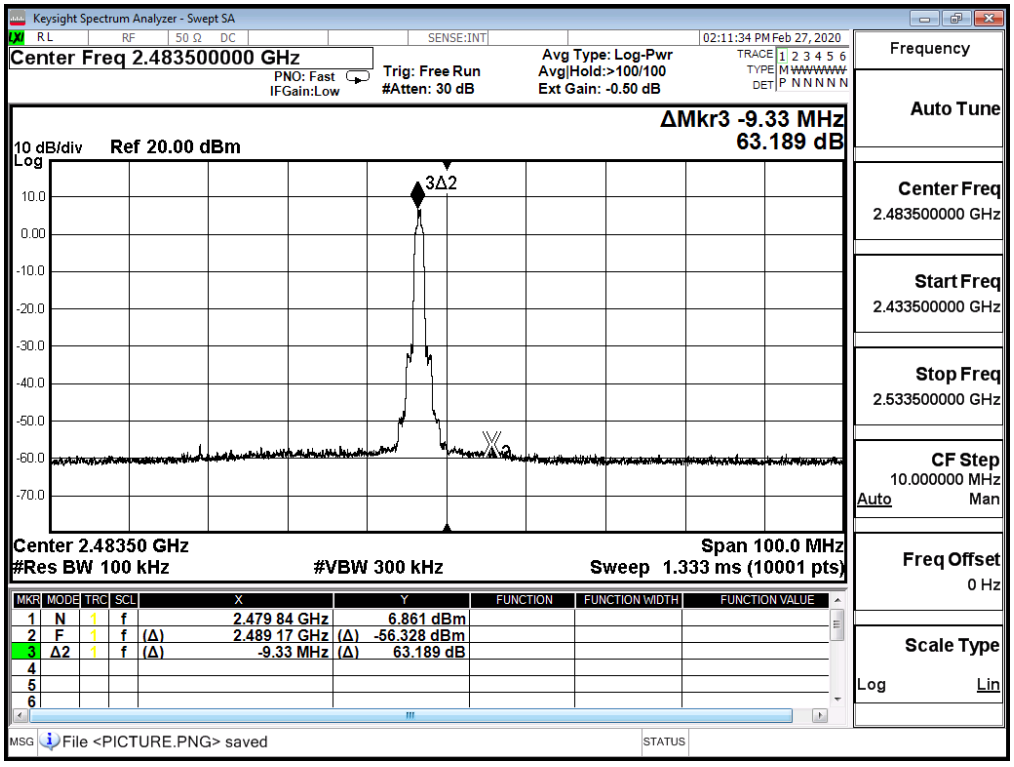
Channel 00



Channel 39



Channel 78

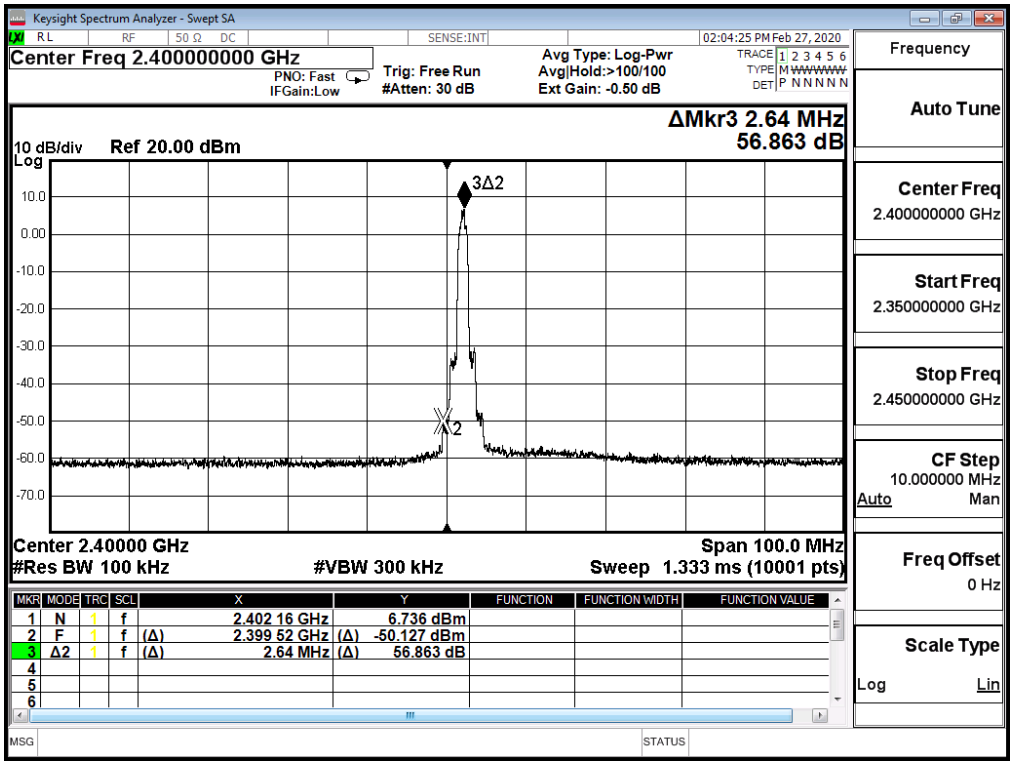


Product	Android Based UI		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

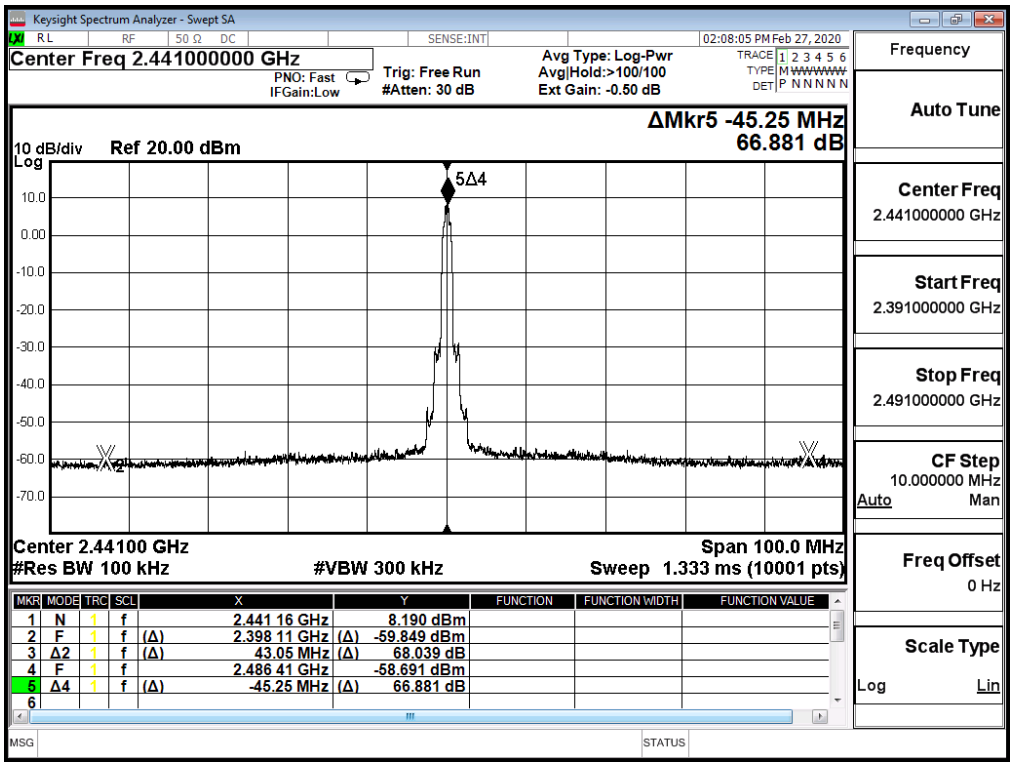
8-DPSK

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
00	2402	56.863	≧20
39	2441	55.342	≧20
78	2480	58.067	≧20

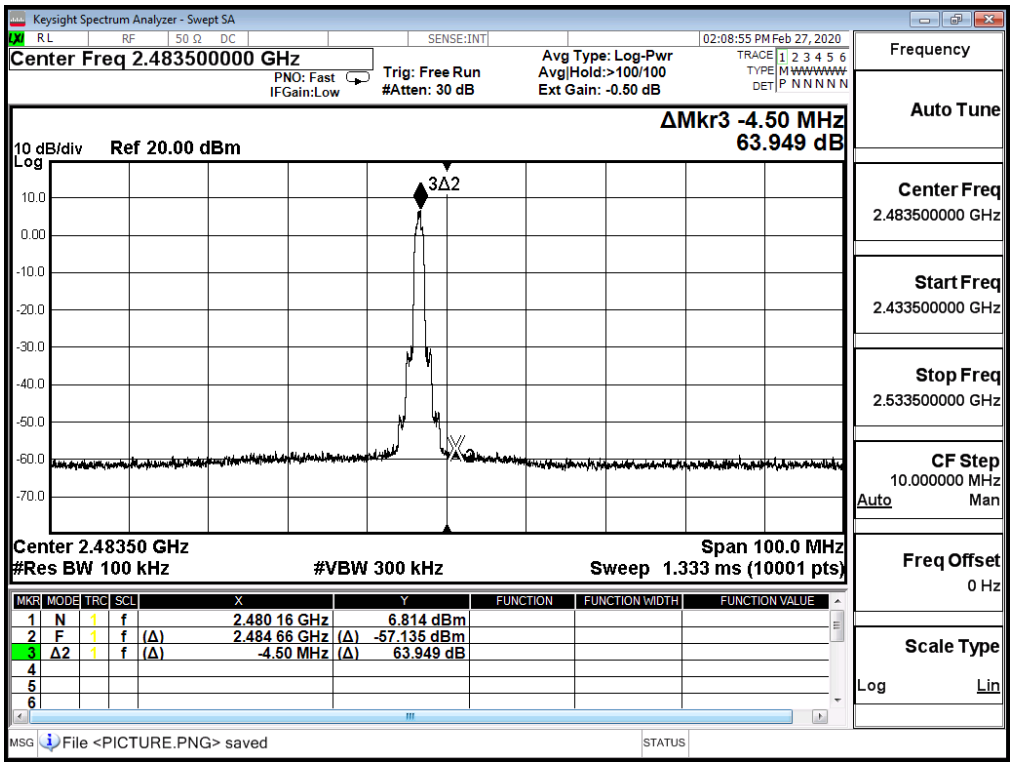
Channel 00



Channel 39

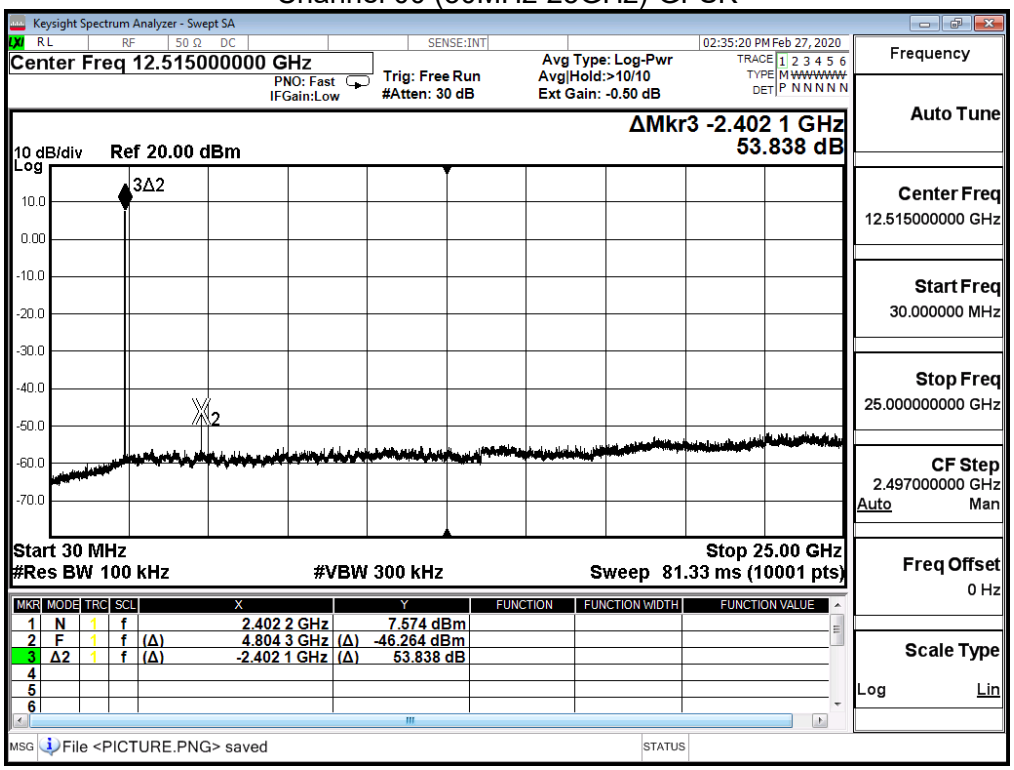


Channel 78

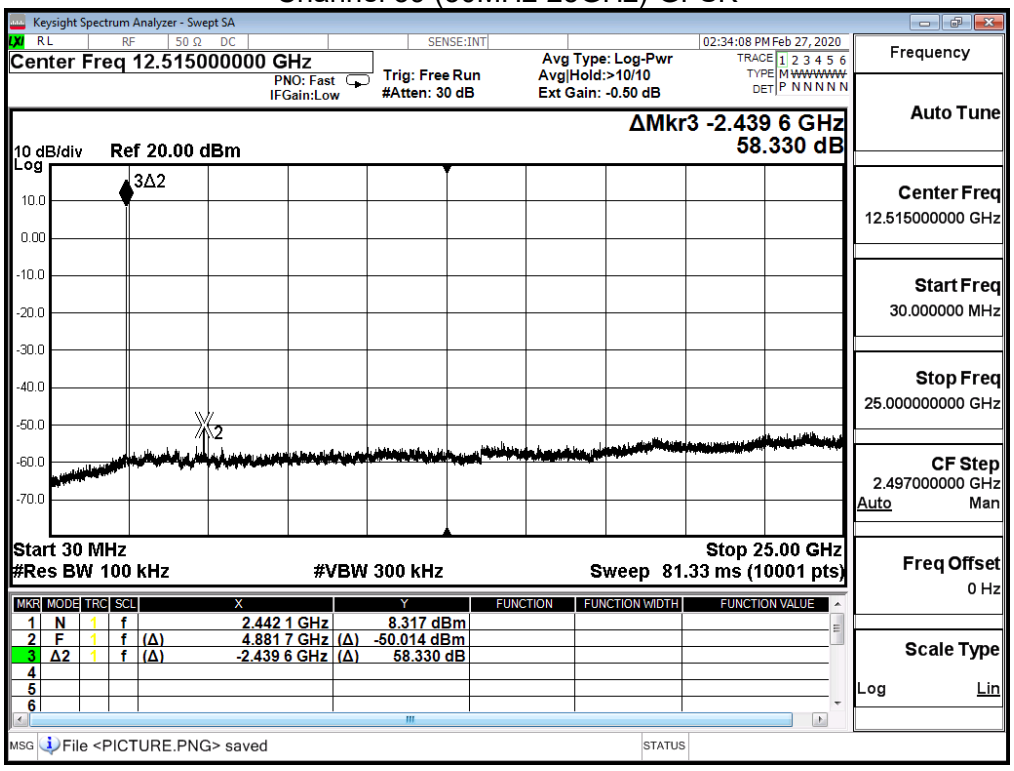


Product	Android Based UI		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

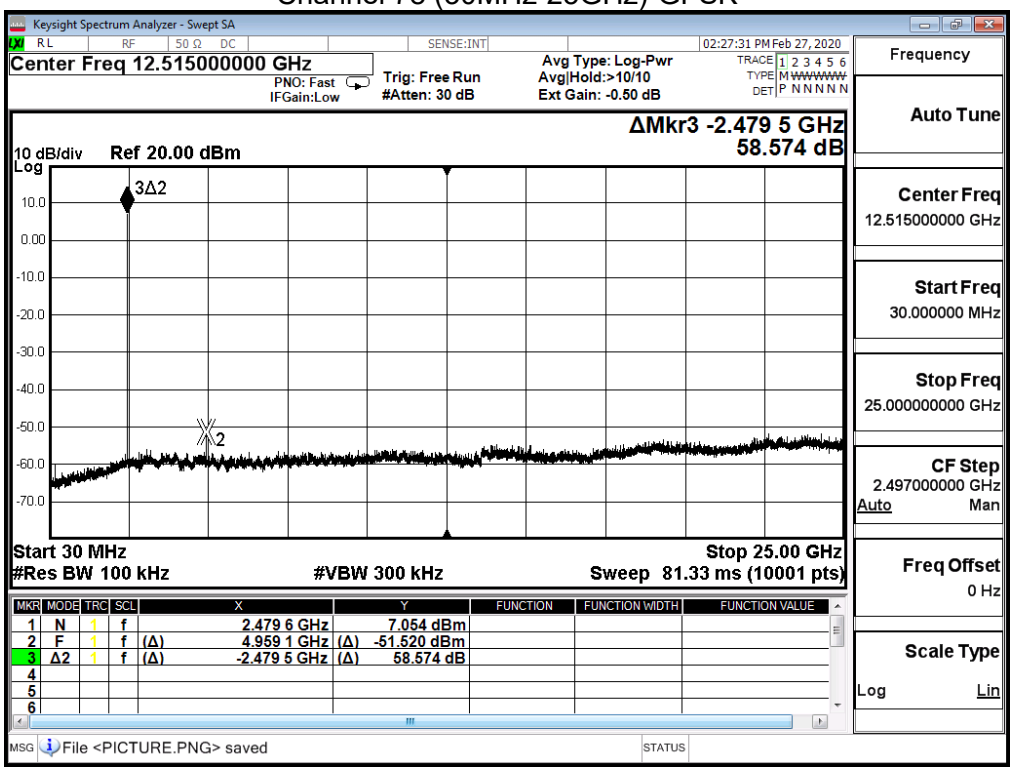
Channel 00 (30MHz-25GHz)-GFSK



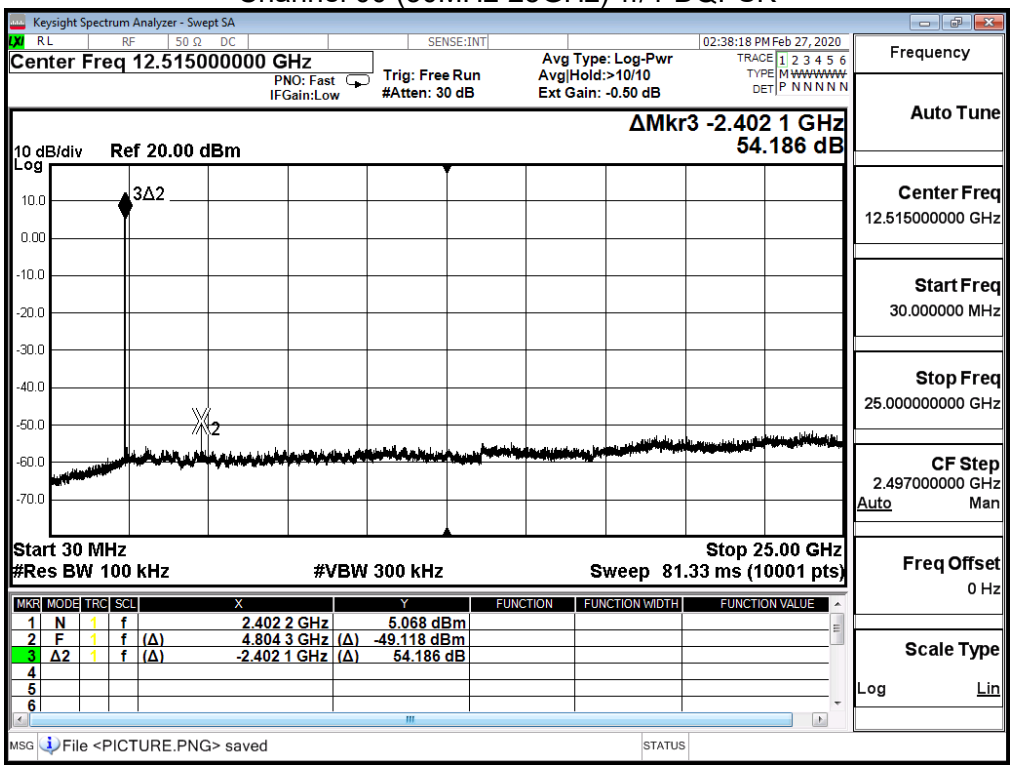
Channel 39 (30MHz-25GHz)-GFSK



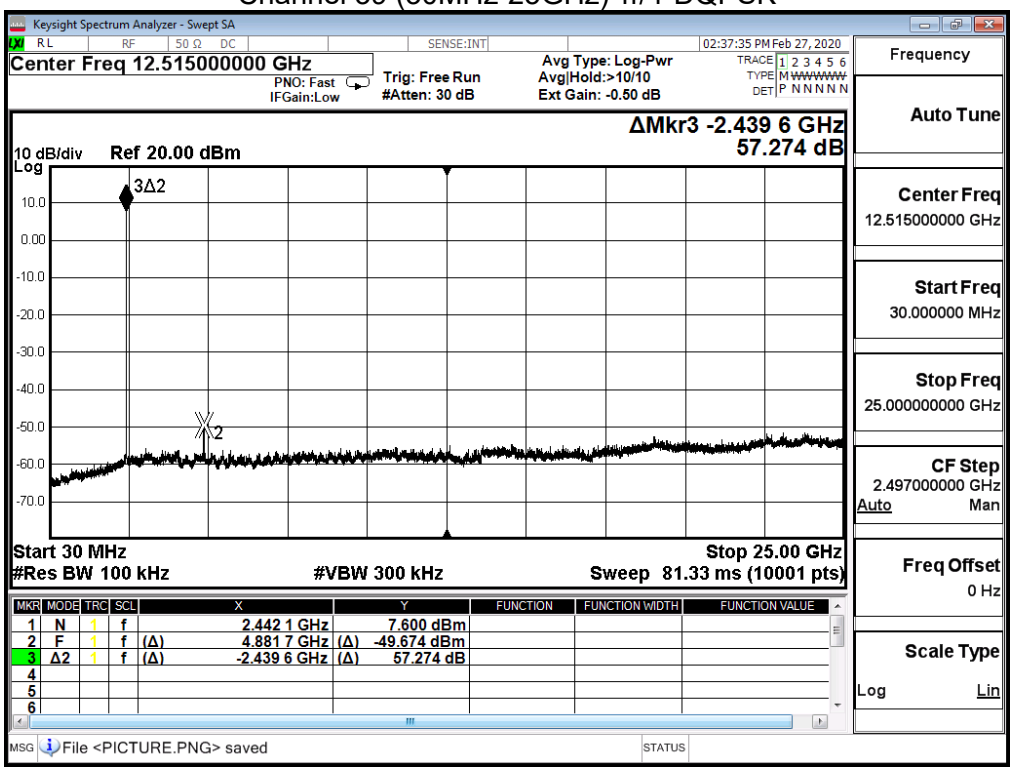
Channel 78 (30MHz-25GHz)-GFSK



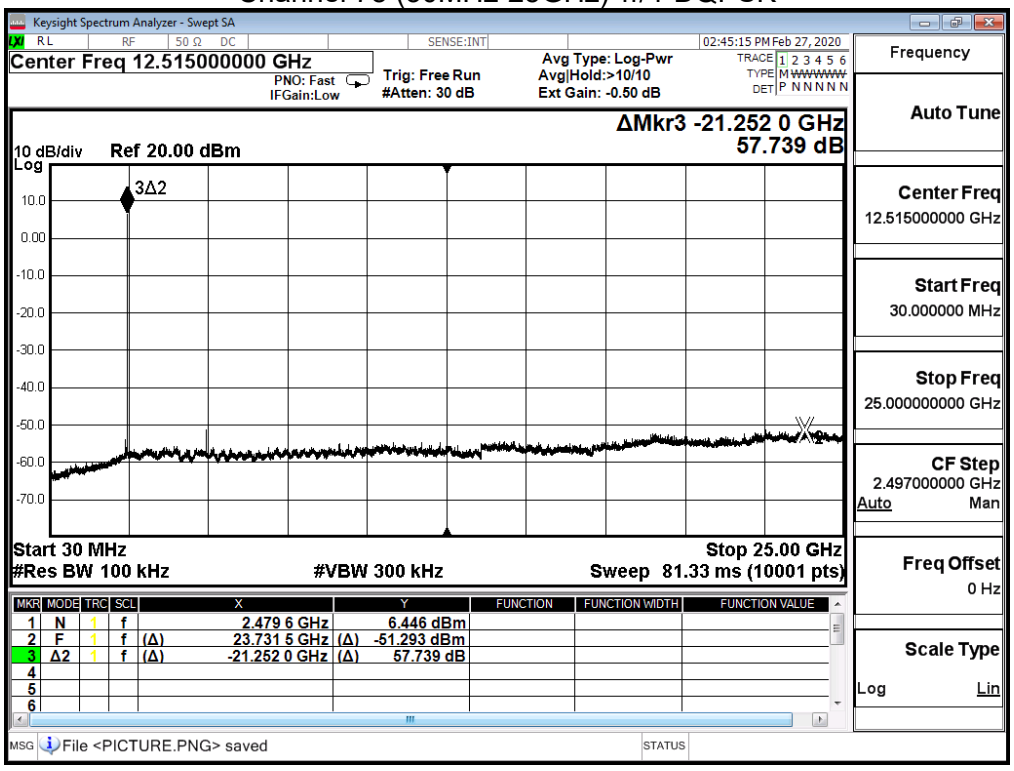
Channel 00 (30MHz-25GHz)-π/4-DQPSK



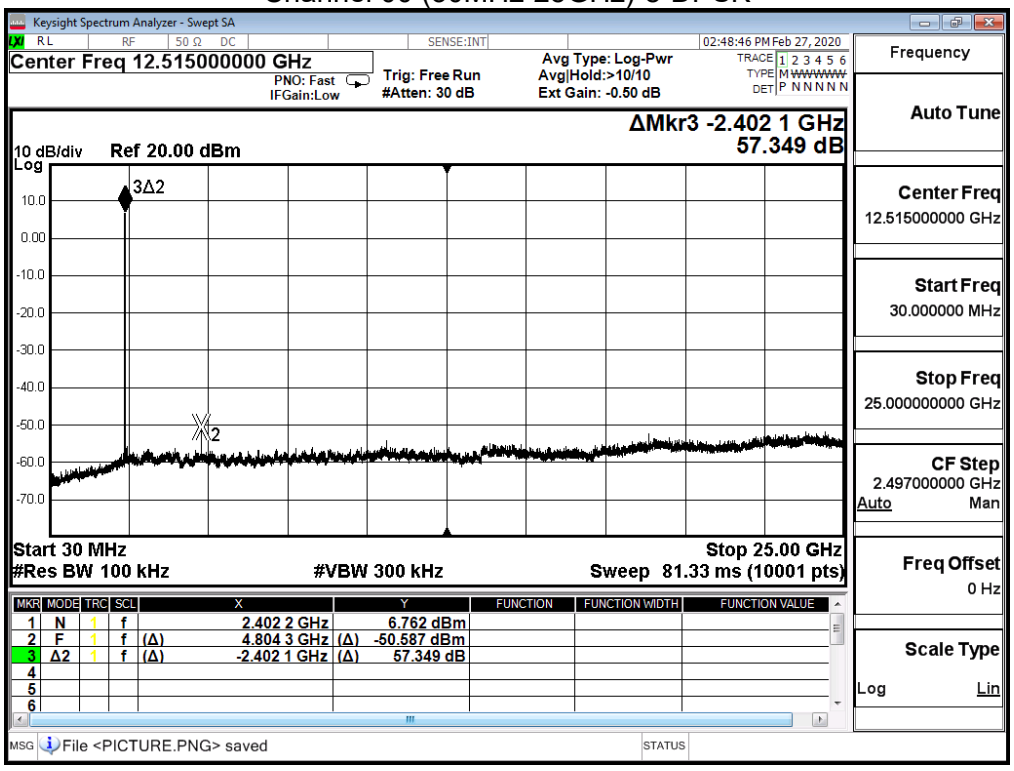
Channel 39 (30MHz-25GHz)-π/4-DQPSK



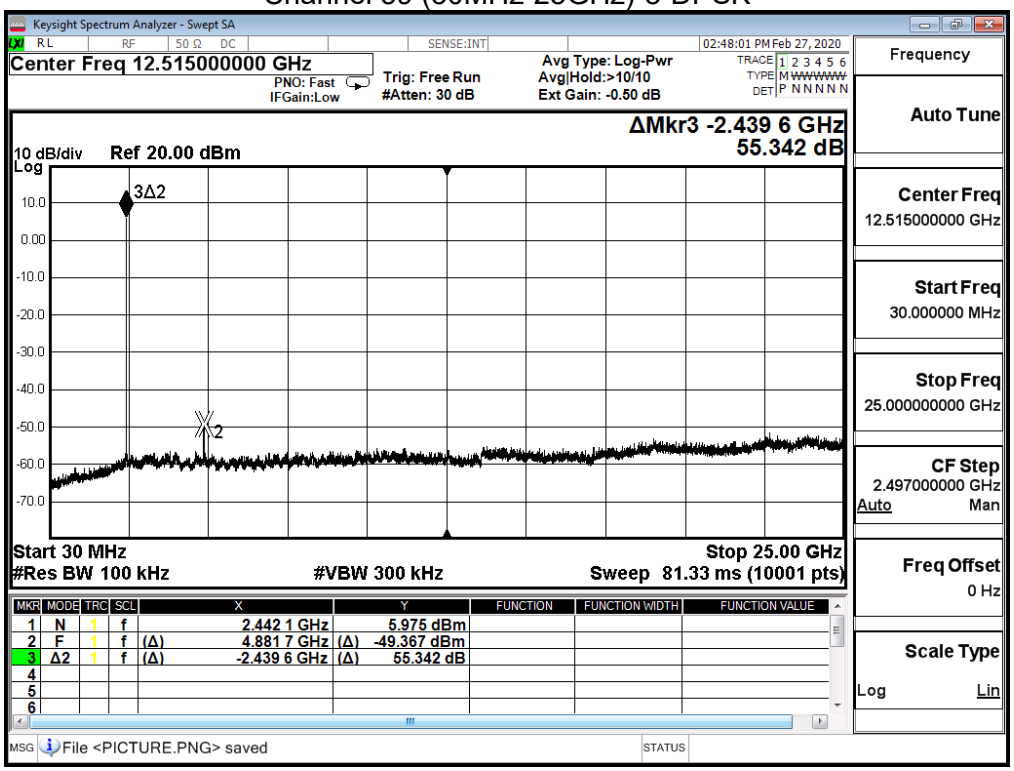
Channel 78 (30MHz-25GHz)-π/4-DQPSK



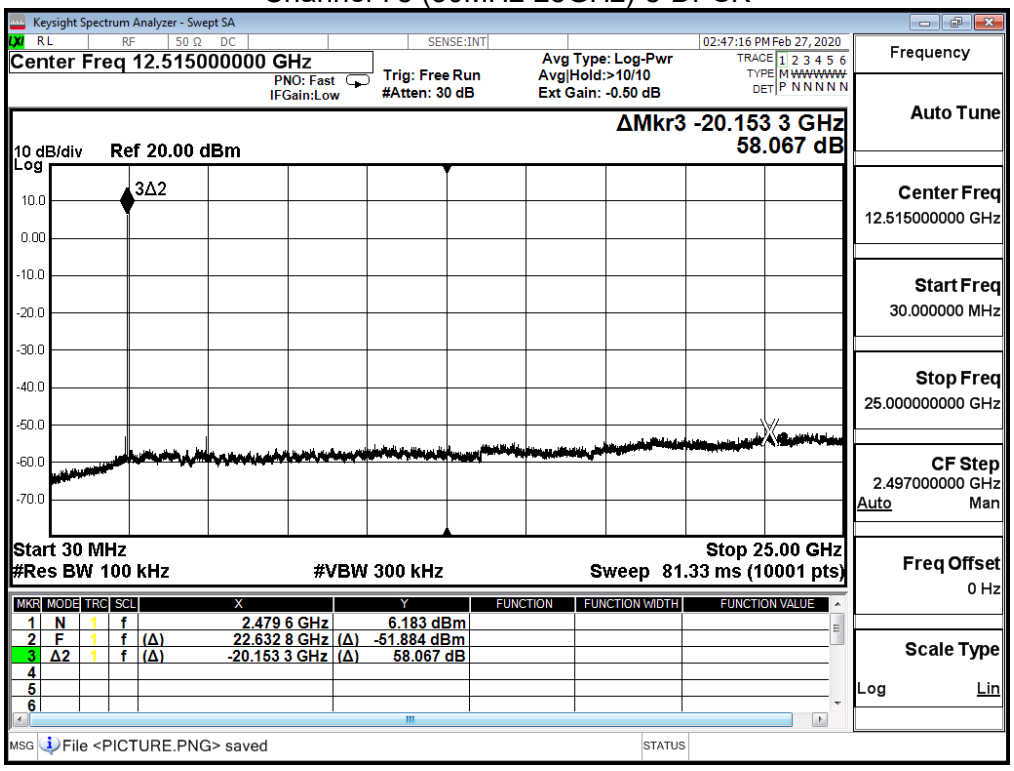
Channel 00 (30MHz-25GHz)-8-DPSK



Channel 39 (30MHz-25GHz)-8-DPSK



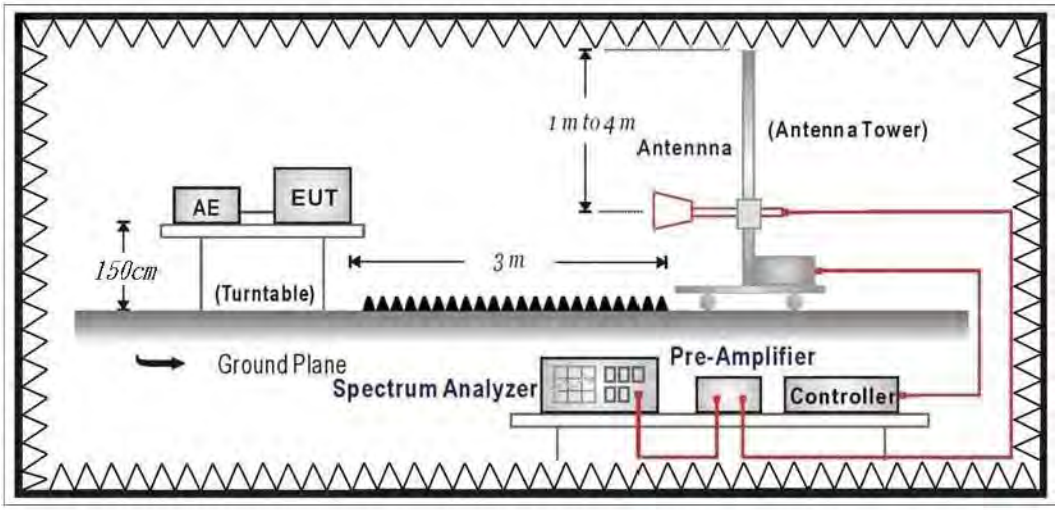
Channel 78 (30MHz-25GHz)-8-DPSK



6. Band Edge

6.1. Test Setup

RF Radiated Measurement:



6.2. 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.

6.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 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.

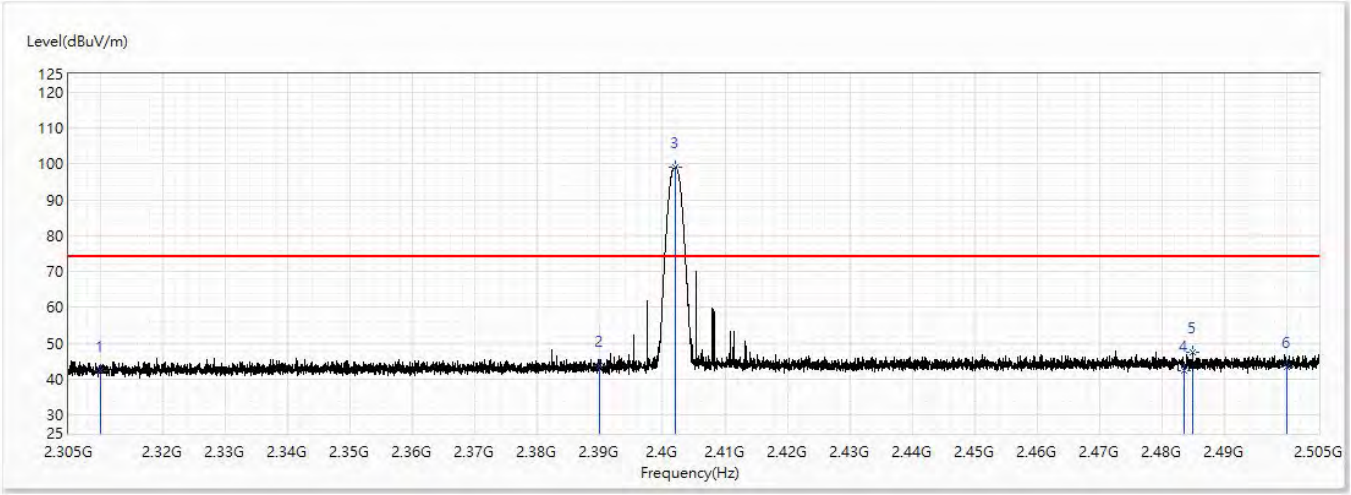
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

6.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2018

6.5. Test Result

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.56	74.00	-31.44	26.99	15.57	PK
2	2390	43.83	74.00	-30.17	27.67	16.16	PK
! 3	2402.15	98.93	74.00	24.93	82.68	16.25	PK
4	2483.5	42.52	74.00	-31.48	25.66	16.86	PK
5	2484.825	47.36	74.00	-26.64	30.49	16.87	PK
6	2500	43.50	74.00	-30.50	26.52	16.98	PK

Note:

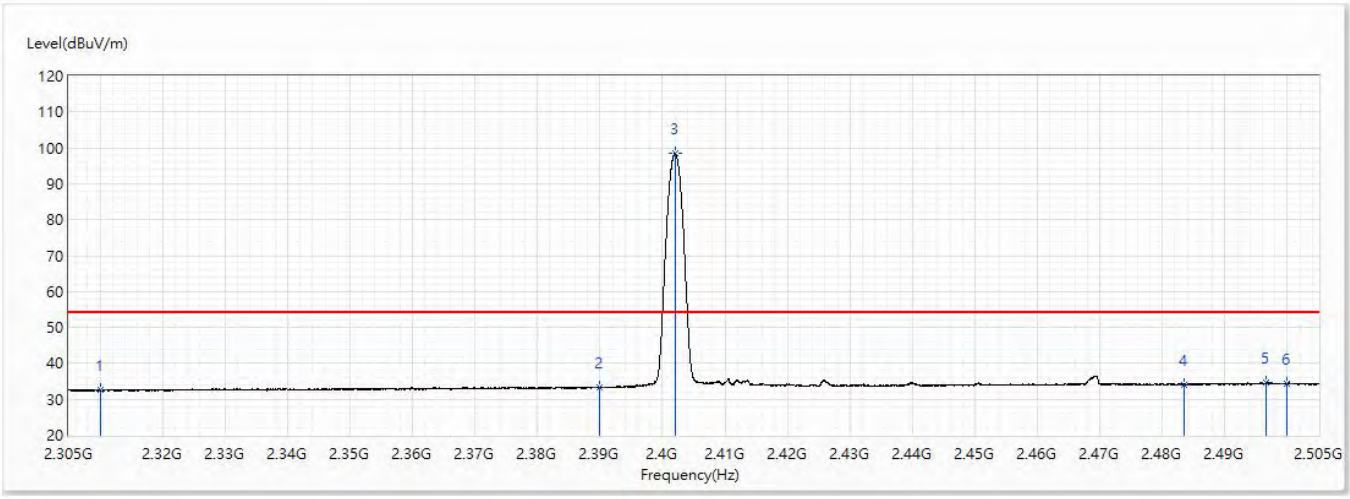
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.53	54.00	-21.47	16.96	15.57	AV
2	2390	33.30	54.00	-20.70	17.14	16.16	AV
! 3	2402.025	98.46	54.00	44.46	82.21	16.25	AV
4	2483.5	34.08	54.00	-19.92	17.22	16.86	AV
5	2496.675	34.62	54.00	-19.38	17.67	16.95	AV
6	2500	34.40	54.00	-19.60	17.42	16.98	AV

Note:

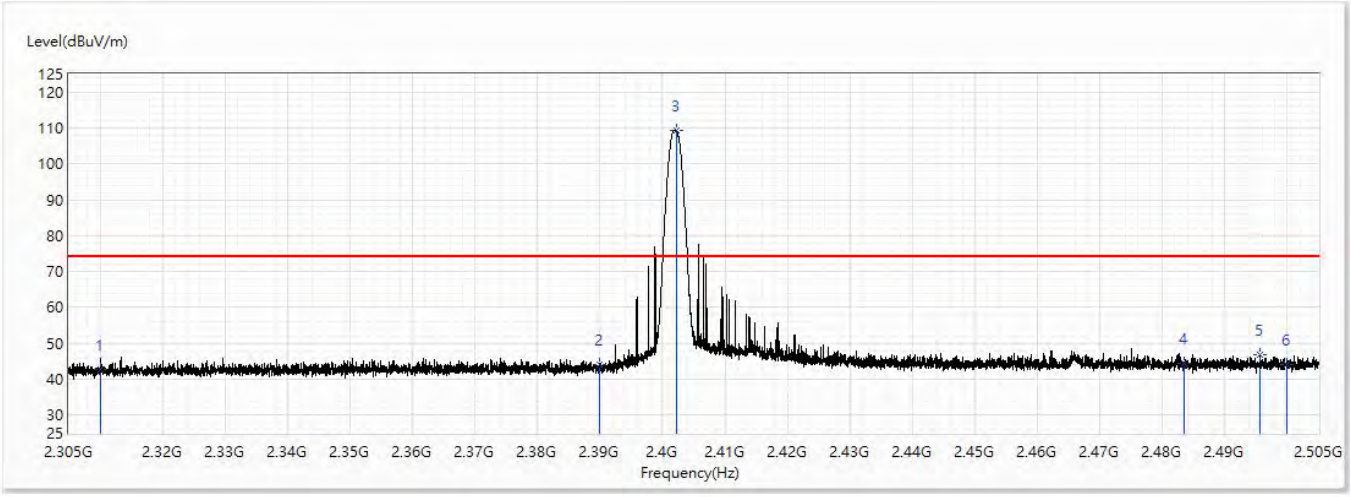
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.85	74.00	-31.15	27.28	15.57	PK
2	2390	44.00	74.00	-30.00	27.84	16.16	PK
! 3	2402.175	109.37	74.00	35.37	93.12	16.25	PK
4	2483.5	44.57	74.00	-29.43	27.71	16.86	PK
5	2495.675	46.81	74.00	-27.19	29.87	16.94	PK
6	2500	44.02	74.00	-29.98	27.04	16.98	PK

Note:

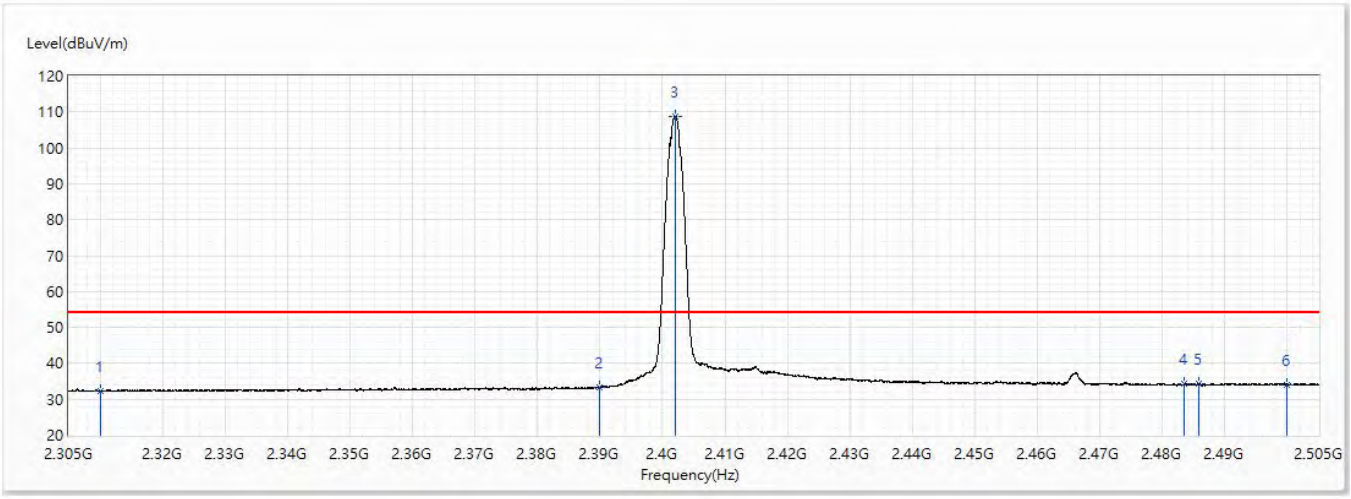
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.32	54.00	-21.68	16.75	15.57	AV
2	2390	33.31	54.00	-20.69	17.15	16.16	AV
! 3	2402.05	108.84	54.00	54.84	92.59	16.25	AV
4	2483.5	34.20	54.00	-19.80	17.34	16.86	AV
5	2485.85	34.35	54.00	-19.65	17.48	16.87	AV
6	2500	34.00	54.00	-20.00	17.02	16.98	AV

Note:

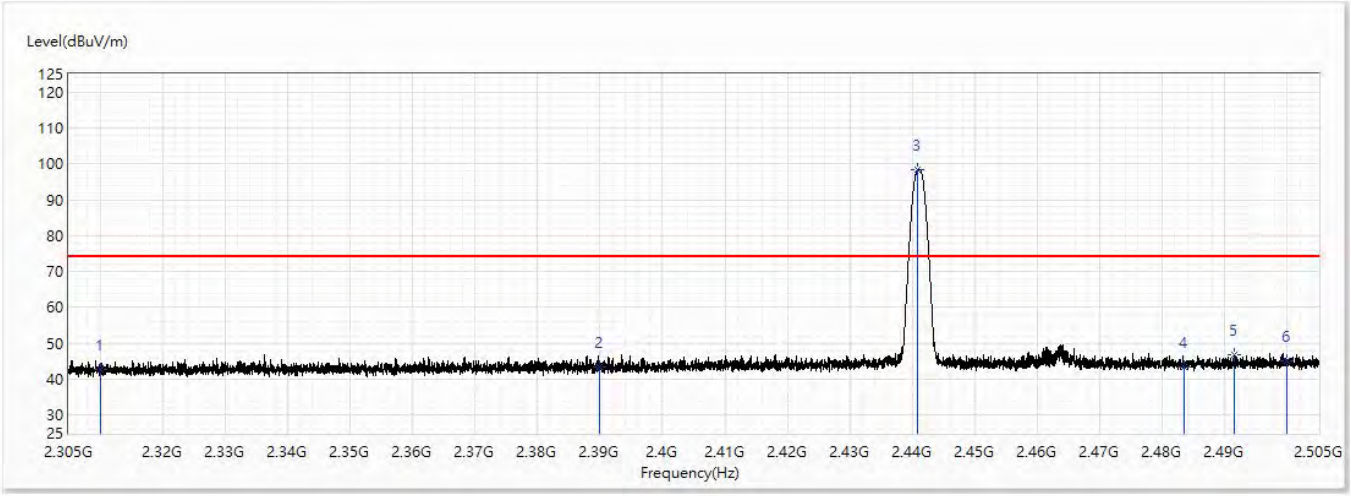
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.78	74.00	-31.22	27.21	15.57	PK
2	2390	43.38	74.00	-30.62	27.22	16.16	PK
! 3	2440.85	98.47	74.00	24.47	81.93	16.54	PK
4	2483.5	43.38	74.00	-30.62	26.52	16.86	PK
5	2491.425	46.93	74.00	-27.07	30.02	16.91	PK
6	2500	44.98	74.00	-29.02	28.00	16.98	PK

Note:

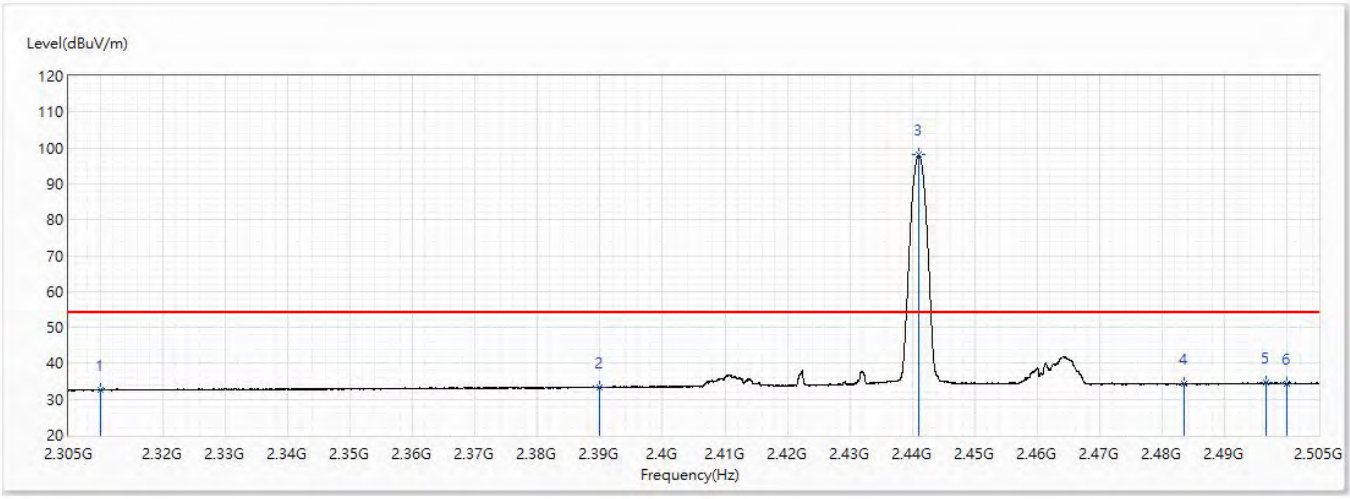
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.48	54.00	-21.52	16.91	15.57	AV
2	2390	33.18	54.00	-20.82	17.02	16.16	AV
! 3	2441.025	98.03	54.00	44.03	81.49	16.54	AV
4	2483.5	34.27	54.00	-19.73	17.41	16.86	AV
5	2496.525	34.71	54.00	-19.29	17.76	16.95	AV
6	2500	34.37	54.00	-19.63	17.39	16.98	AV

Note:

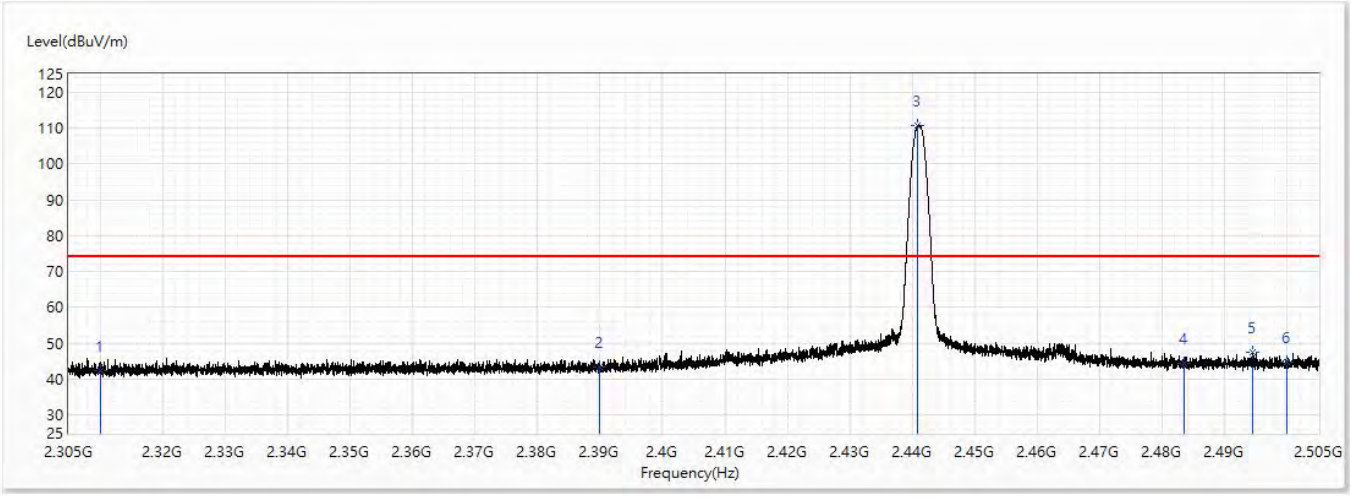
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.34	74.00	-31.66	26.77	15.57	PK
2	2390	43.35	74.00	-30.65	27.19	16.16	PK
! 3	2440.9	110.70	74.00	36.70	94.16	16.54	PK
4	2483.5	44.51	74.00	-29.49	27.65	16.86	PK
5	2494.525	47.41	74.00	-26.59	30.47	16.94	PK
6	2500	44.73	74.00	-29.27	27.75	16.98	PK

Note:

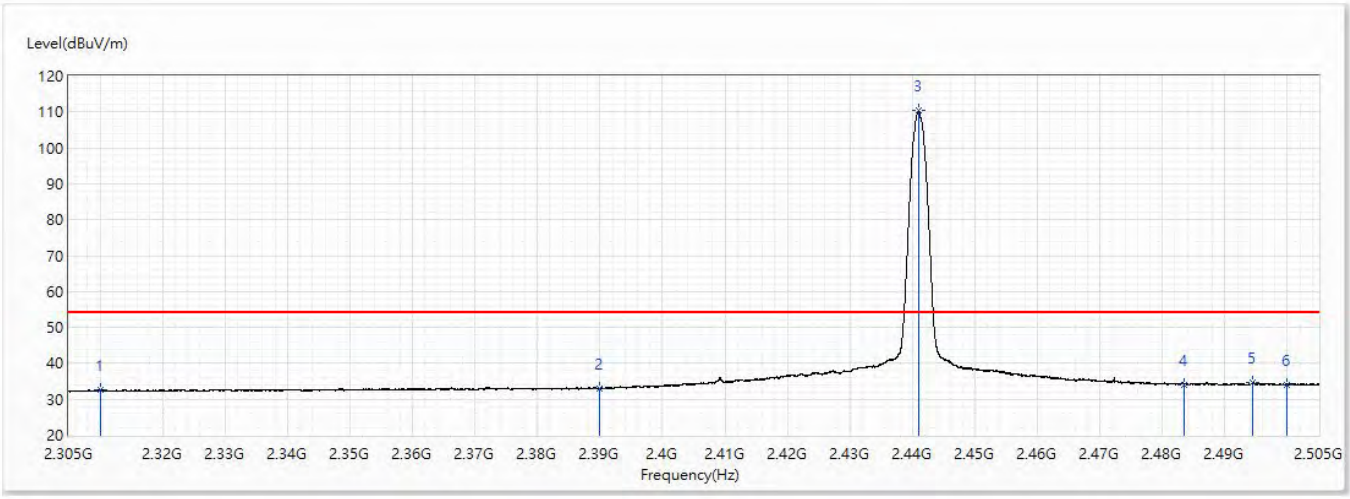
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.61	54.00	-21.39	17.04	15.57	AV
2	2390	33.12	54.00	-20.88	16.96	16.16	AV
! 3	2441	110.30	54.00	56.30	93.76	16.54	AV
4	2483.5	34.11	54.00	-19.89	17.25	16.86	AV
5	2494.45	34.66	54.00	-19.34	17.72	16.94	AV
6	2500	34.12	54.00	-19.88	17.14	16.98	AV

Note:

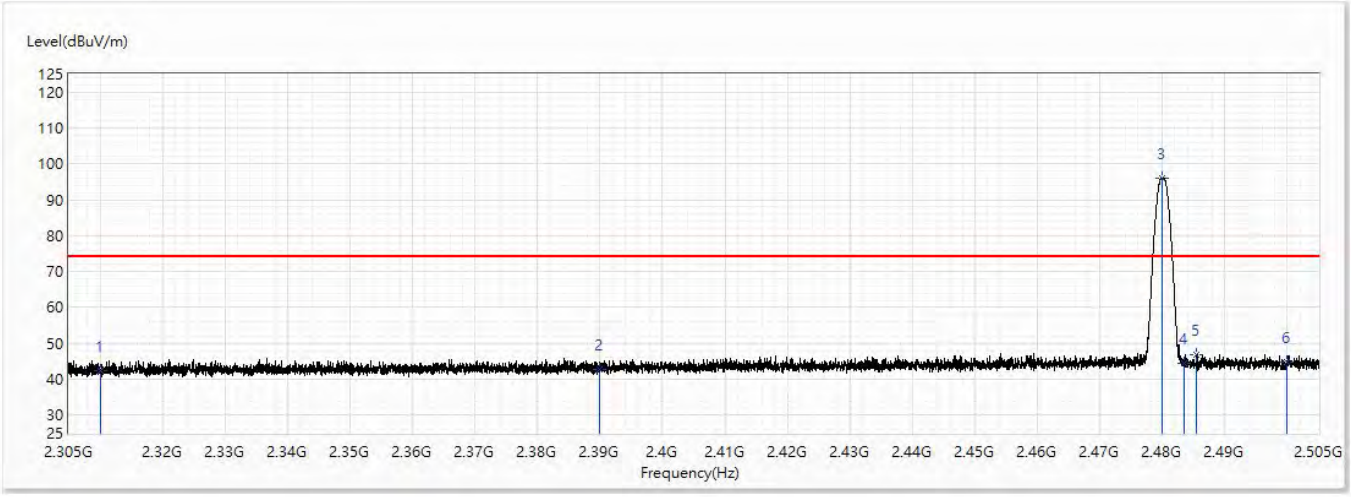
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.34	74.00	-31.66	26.77	15.57	PK
2	2390	42.65	74.00	-31.35	26.49	16.16	PK
! 3	2479.875	96.14	74.00	22.14	79.31	16.83	PK
4	2483.5	44.53	74.00	-29.47	27.67	16.86	PK
5	2485.525	46.75	74.00	-27.25	29.88	16.87	PK
6	2500	44.67	74.00	-29.33	27.69	16.98	PK

Note:

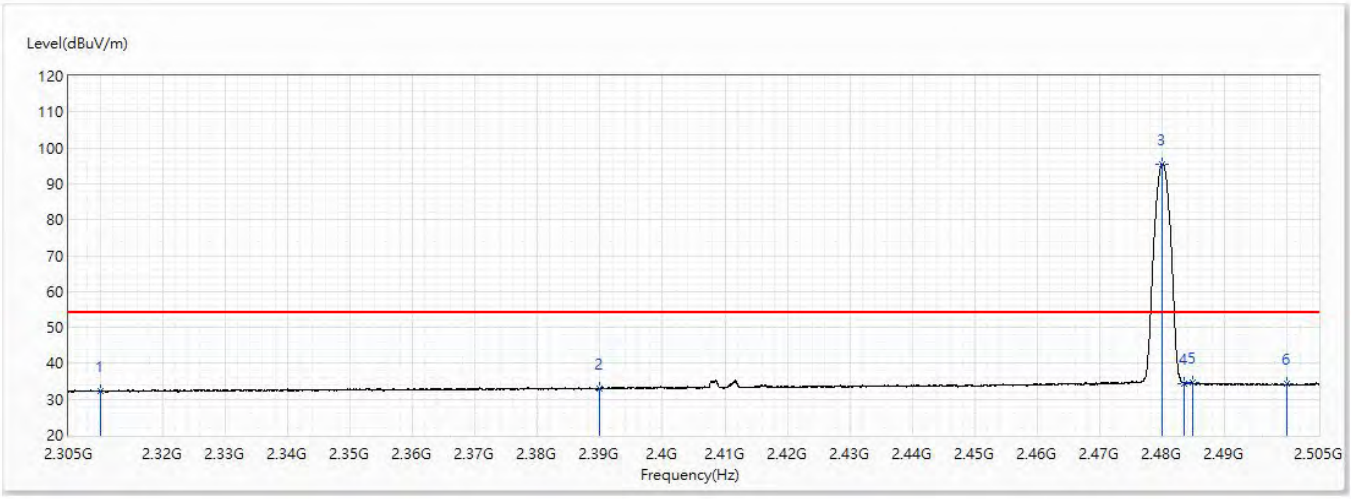
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.31	54.00	-21.69	16.74	15.57	AV
2	2390	33.07	54.00	-20.93	16.91	16.16	AV
! 3	2480.025	95.53	54.00	41.53	78.70	16.83	AV
4	2483.5	34.43	54.00	-19.57	17.57	16.86	AV
5	2484.75	34.56	54.00	-19.44	17.69	16.87	AV
6	2500	34.27	54.00	-19.73	17.29	16.98	AV

Note:

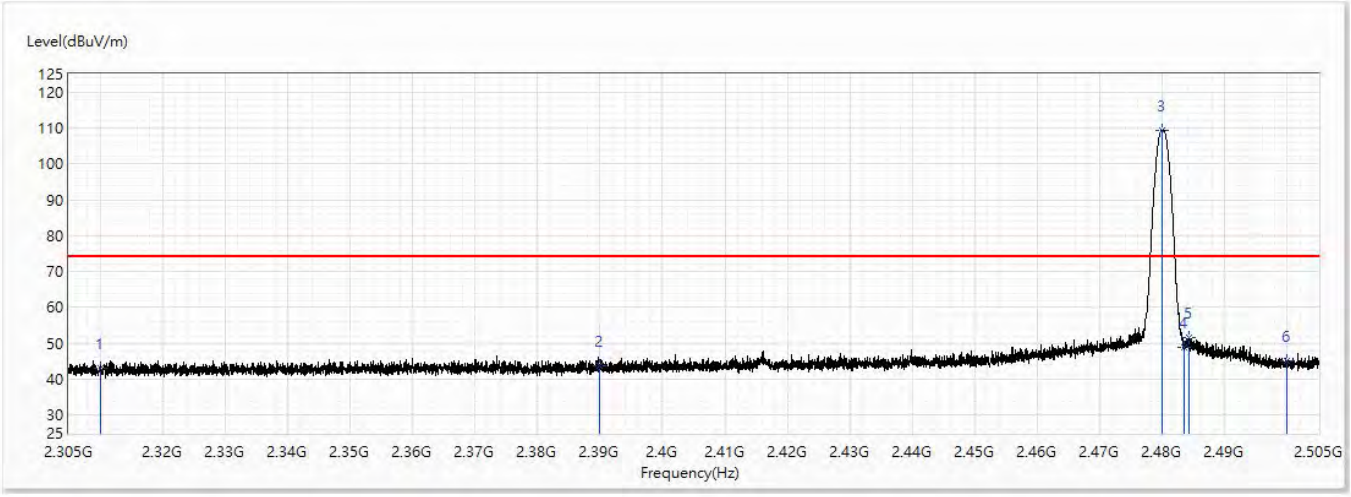
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	43.21	74.00	-30.79	27.64	15.57	PK
2	2390	43.65	74.00	-30.35	27.49	16.16	PK
! 3	2479.9	109.29	74.00	35.29	92.46	16.83	PK
4	2483.5	49.01	74.00	-24.99	32.15	16.86	PK
5	2484.225	51.57	74.00	-22.43	34.71	16.86	PK
6	2500	45.13	74.00	-28.87	28.15	16.98	PK

Note:

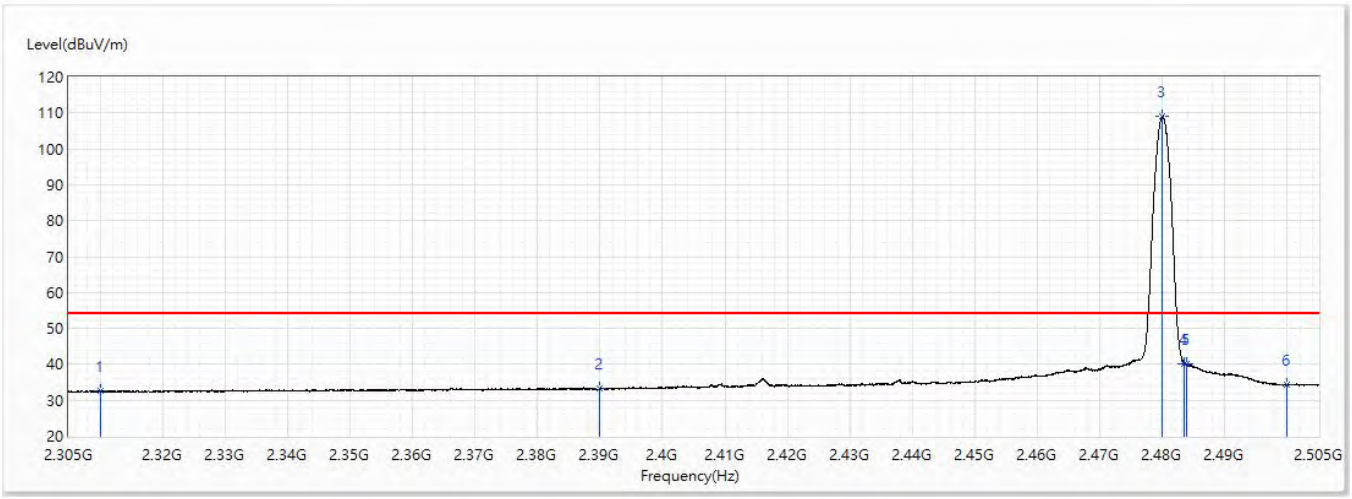
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/19
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.67	54.00	-21.33	17.10	15.57	AV
2	2390	33.15	54.00	-20.85	16.99	16.16	AV
! 3	2480	108.94	54.00	54.94	92.11	16.83	AV
4	2483.5	40.16	54.00	-13.84	23.30	16.86	AV
5	2483.85	40.06	54.00	-13.94	23.20	16.86	AV
6	2500	34.37	54.00	-19.63	17.39	16.98	AV

Note:

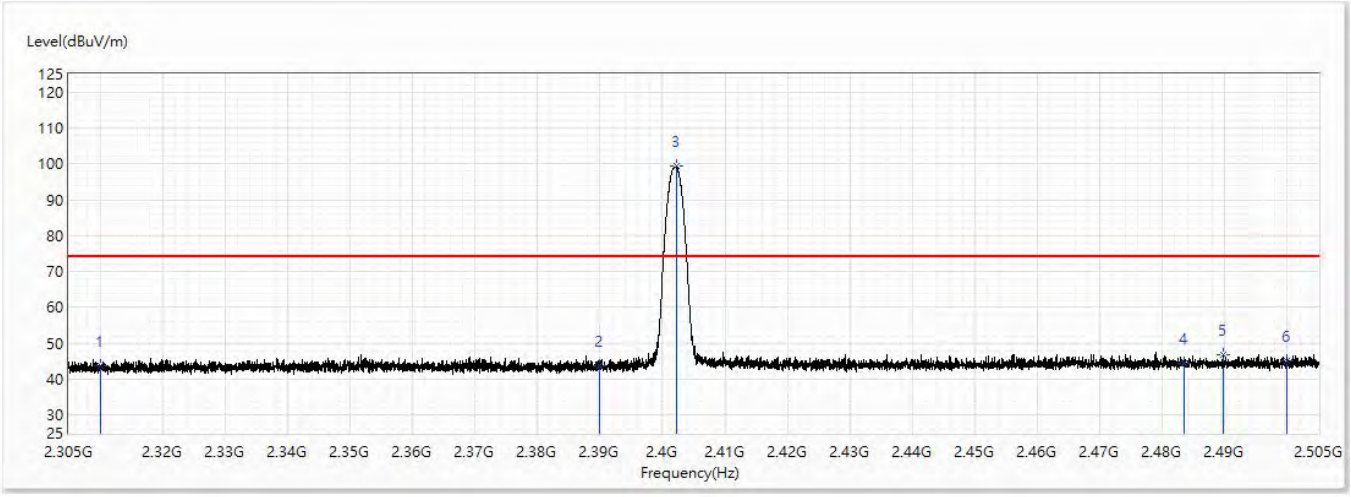
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	43.74	74.00	-30.26	28.17	15.57	PK
2	2390	43.88	74.00	-30.12	27.72	16.16	PK
! 3	2402.225	99.24	74.00	25.24	82.99	16.25	PK
4	2483.5	44.57	74.00	-29.43	27.71	16.86	PK
5	2489.675	46.91	74.00	-27.09	30.01	16.90	PK
6	2500	45.20	74.00	-28.80	28.22	16.98	PK

Note:

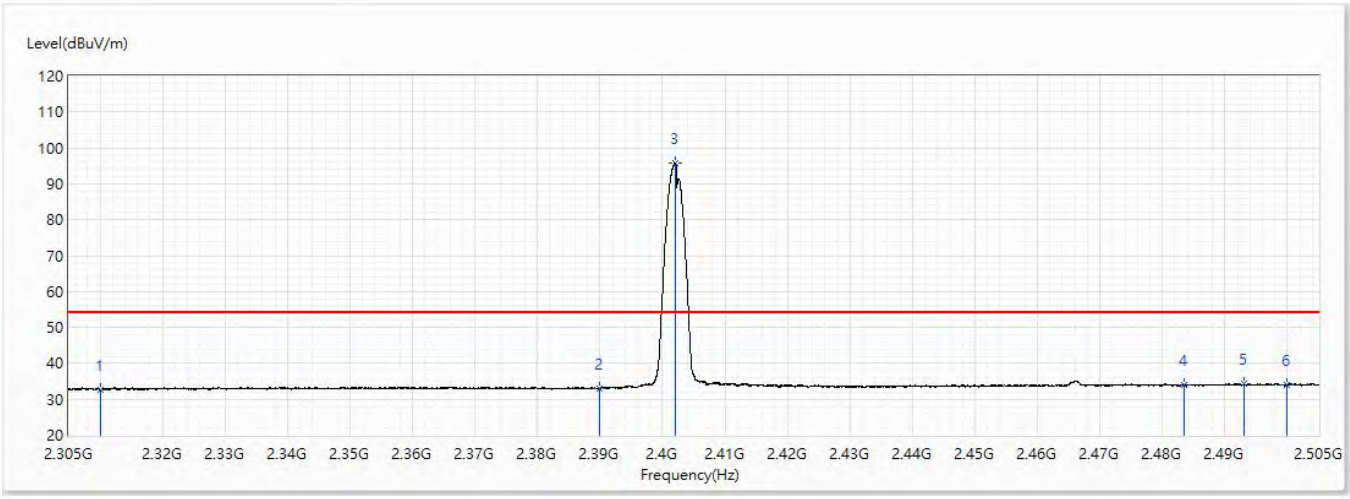
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.68	54.00	-21.32	17.11	15.57	AV
2	2390	33.11	54.00	-20.89	16.95	16.16	AV
! 3	2401.975	95.76	54.00	41.76	79.51	16.25	AV
4	2483.5	33.87	54.00	-20.13	17.01	16.86	AV
5	2493.05	34.32	54.00	-19.68	17.39	16.93	AV
6	2500	34.04	54.00	-19.96	17.06	16.98	AV

Note:

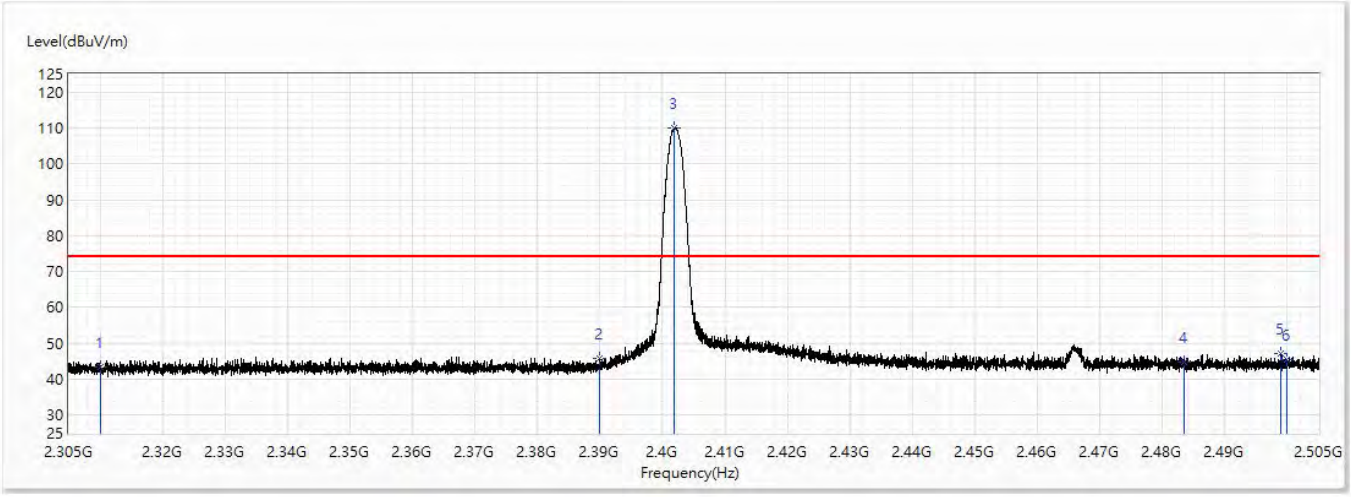
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	43.45	74.00	-30.55	27.88	15.57	PK
2	2390	45.76	74.00	-28.24	29.60	16.16	PK
! 3	2401.925	110.02	74.00	36.02	93.77	16.25	PK
4	2483.5	44.85	74.00	-29.15	27.99	16.86	PK
5	2498.9	47.32	74.00	-26.68	30.34	16.98	PK
6	2500	45.35	74.00	-28.65	28.37	16.98	PK

Note:

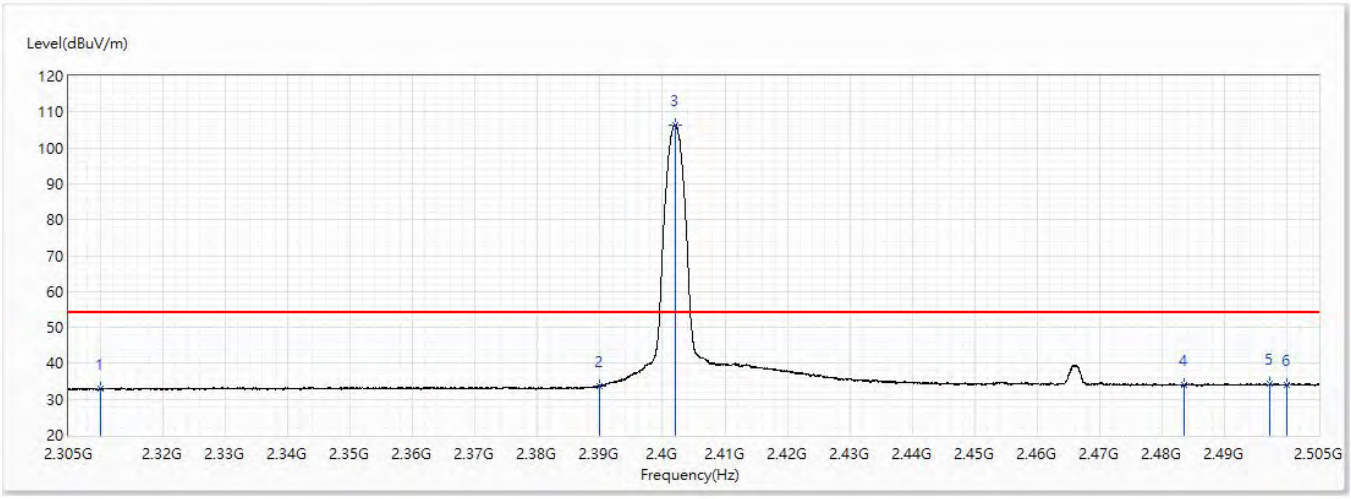
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.98	54.00	-21.02	17.41	15.57	AV
2	2390	33.68	54.00	-20.32	17.52	16.16	AV
! 3	2402	106.51	54.00	52.51	90.26	16.25	AV
4	2483.5	33.90	54.00	-20.10	17.04	16.86	AV
5	2497.125	34.29	54.00	-19.71	17.34	16.95	AV
6	2500	34.03	54.00	-19.97	17.05	16.98	AV

Note:

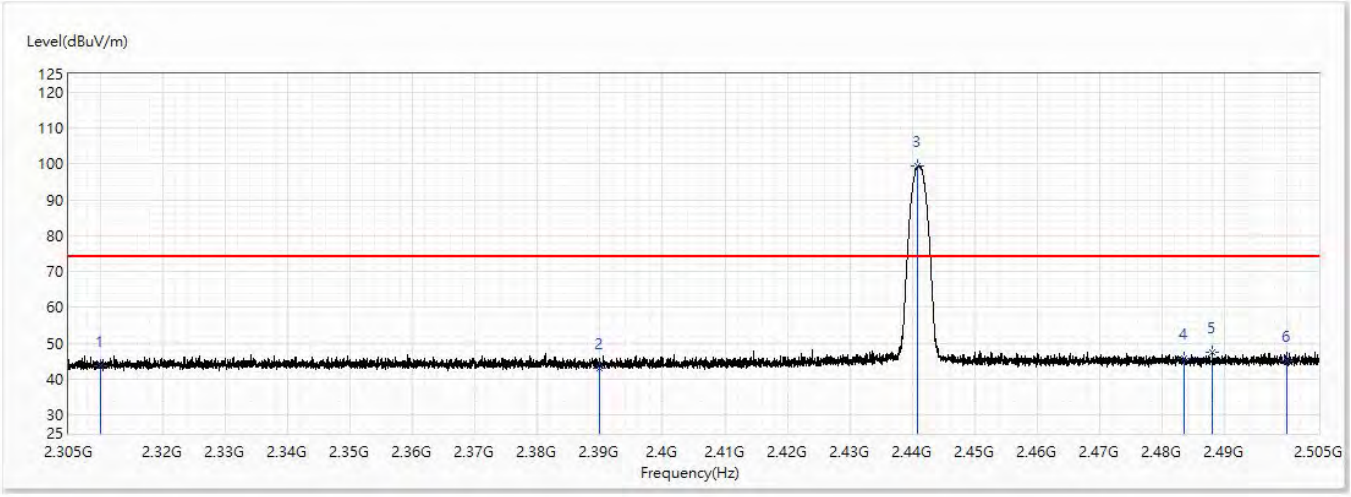
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	43.84	74.00	-30.16	28.27	15.57	PK
2	2390	43.10	74.00	-30.90	26.94	16.16	PK
! 3	2440.9	99.57	74.00	25.57	83.03	16.54	PK
4	2483.5	45.73	74.00	-28.27	28.87	16.86	PK
5	2487.975	47.41	74.00	-26.59	30.51	16.90	PK
6	2500	45.23	74.00	-28.77	28.25	16.98	PK

Note:

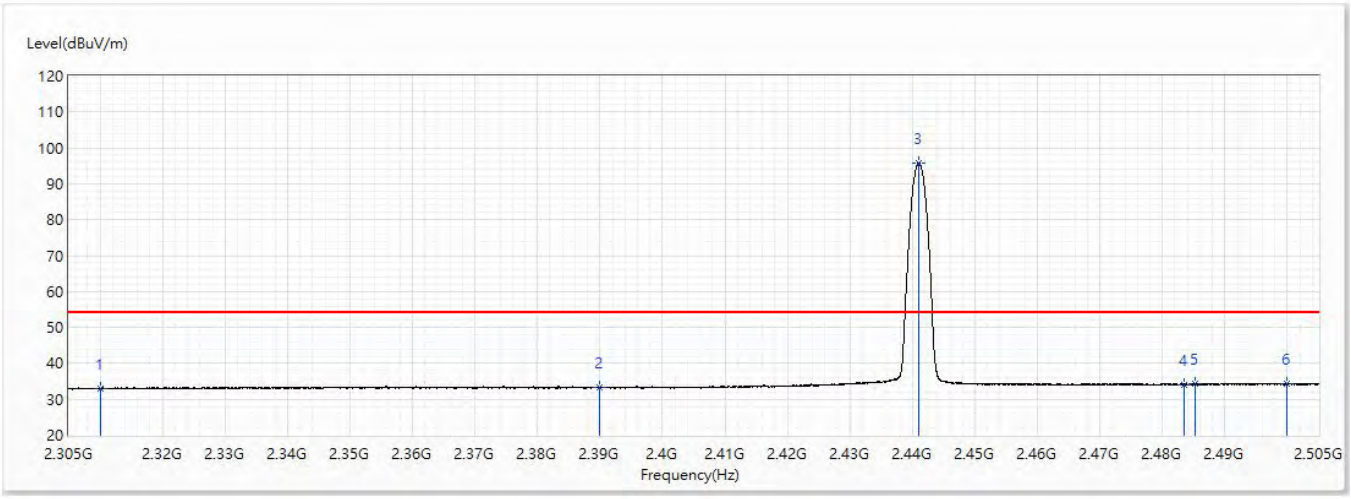
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.95	54.00	-21.05	17.38	15.57	AV
2	2390	33.32	54.00	-20.68	17.16	16.16	AV
! 3	2440.975	95.87	54.00	41.87	79.33	16.54	AV
4	2483.5	34.07	54.00	-19.93	17.21	16.86	AV
5	2485.15	34.44	54.00	-19.56	17.57	16.87	AV
6	2500	34.28	54.00	-19.72	17.30	16.98	AV

Note:

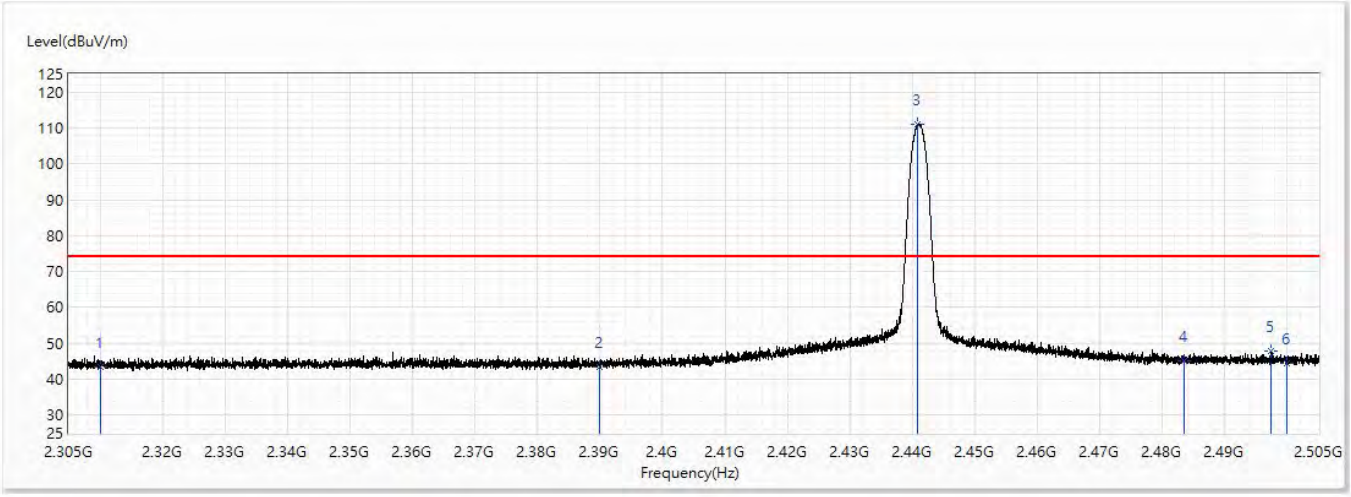
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	43.32	74.00	-30.68	27.75	15.57	PK
2	2390	43.43	74.00	-30.57	27.27	16.16	PK
! 3	2440.9	110.98	74.00	36.98	94.44	16.54	PK
4	2483.5	45.17	74.00	-28.83	28.31	16.86	PK
5	2497.45	47.75	74.00	-26.25	30.79	16.96	PK
6	2500	44.56	74.00	-29.44	27.58	16.98	PK

Note:

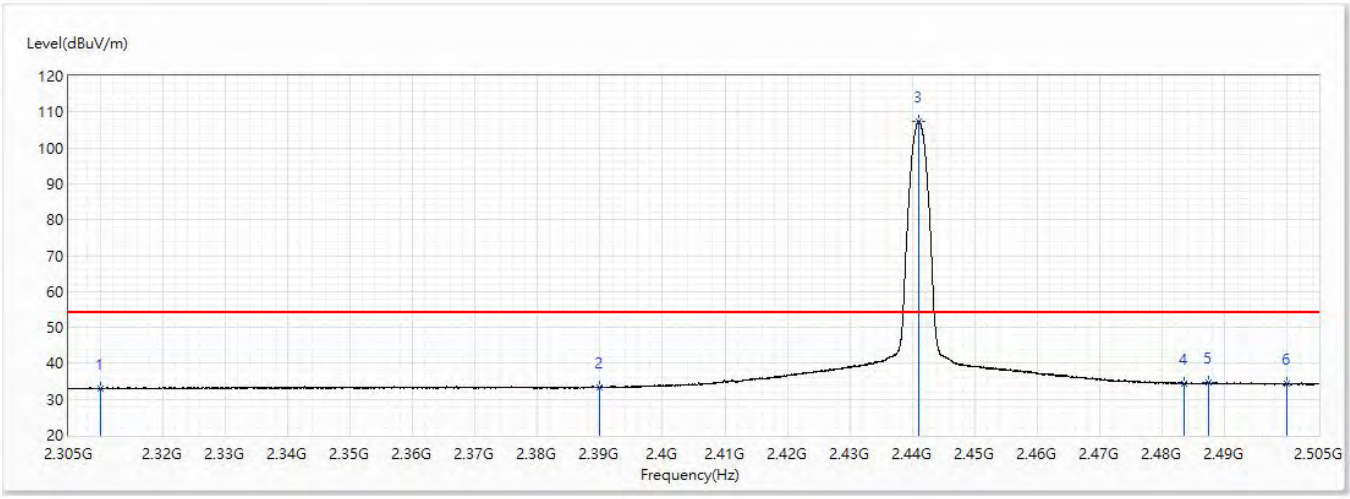
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	33.04	54.00	-20.96	17.47	15.57	AV
2	2390	33.23	54.00	-20.77	17.07	16.16	AV
! 3	2440.975	107.38	54.00	53.38	90.84	16.54	AV
4	2483.5	34.35	54.00	-19.65	17.49	16.86	AV
5	2487.425	34.65	54.00	-19.35	17.77	16.88	AV
6	2500	34.39	54.00	-19.61	17.41	16.98	AV

Note:

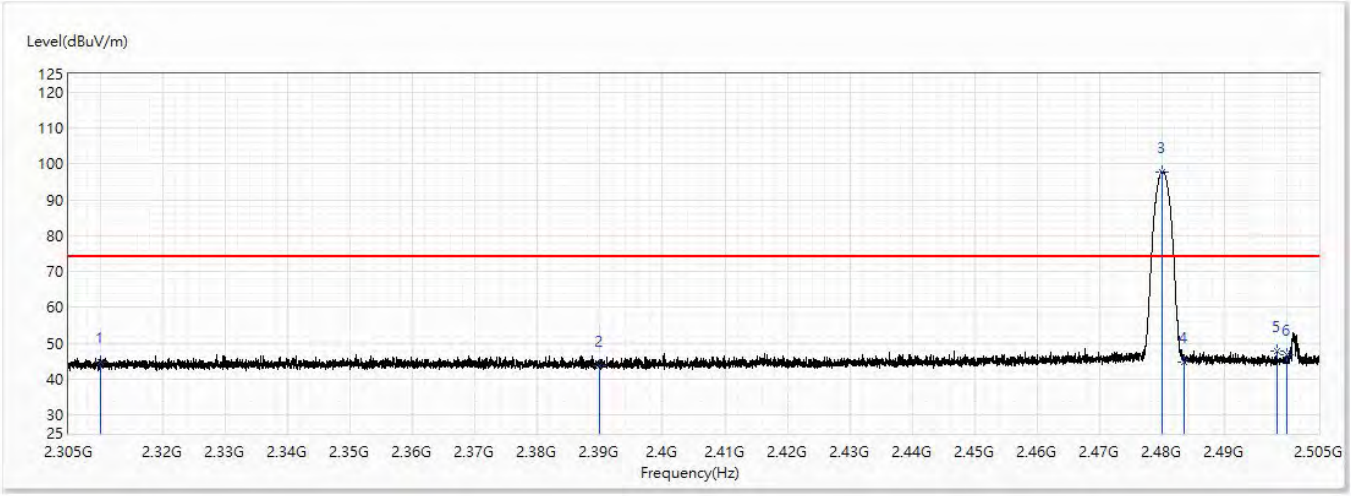
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.68	74.00	-29.32	29.11	15.57	PK
2	2390	43.66	74.00	-30.34	27.50	16.16	PK
! 3	2480	97.69	74.00	23.69	80.86	16.83	PK
4	2483.5	44.68	74.00	-29.32	27.82	16.86	PK
5	2498.4	47.90	74.00	-26.10	30.93	16.97	PK
6	2500	46.71	74.00	-27.29	29.73	16.98	PK

Note:

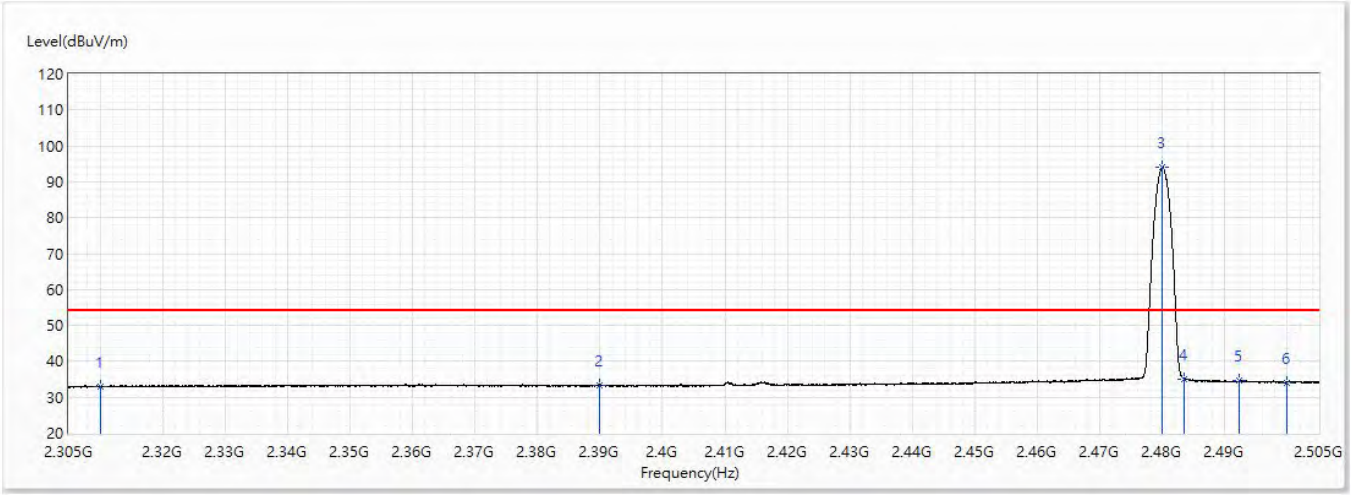
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	33.04	54.00	-20.96	17.47	15.57	AV
2	2390	33.40	54.00	-20.60	17.24	16.16	AV
! 3	2480	94.08	54.00	40.08	77.25	16.83	AV
4	2483.5	35.06	54.00	-18.94	18.20	16.86	AV
5	2492.25	34.56	54.00	-19.44	17.64	16.92	AV
6	2500	34.15	54.00	-19.85	17.17	16.98	AV

Note:

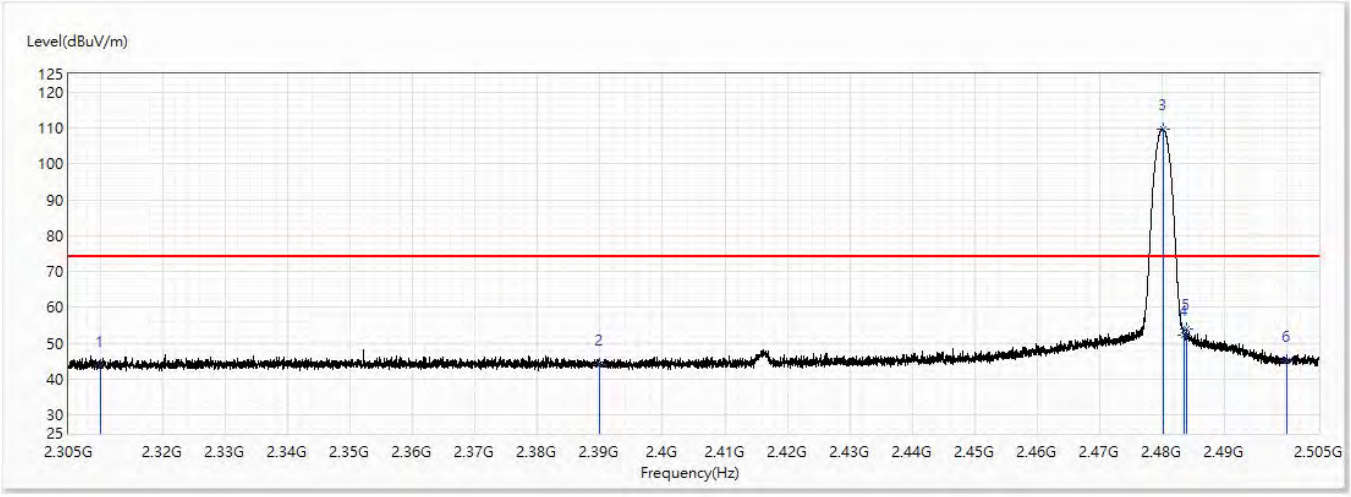
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	43.83	74.00	-30.17	28.26	15.57	PK
2	2390	44.22	74.00	-29.78	28.06	16.16	PK
! 3	2480.125	109.68	74.00	35.68	92.85	16.83	PK
4	2483.5	52.14	74.00	-21.86	35.28	16.86	PK
5	2483.775	54.18	74.00	-19.82	37.32	16.86	PK
6	2500	45.19	74.00	-28.81	28.21	16.98	PK

Note:

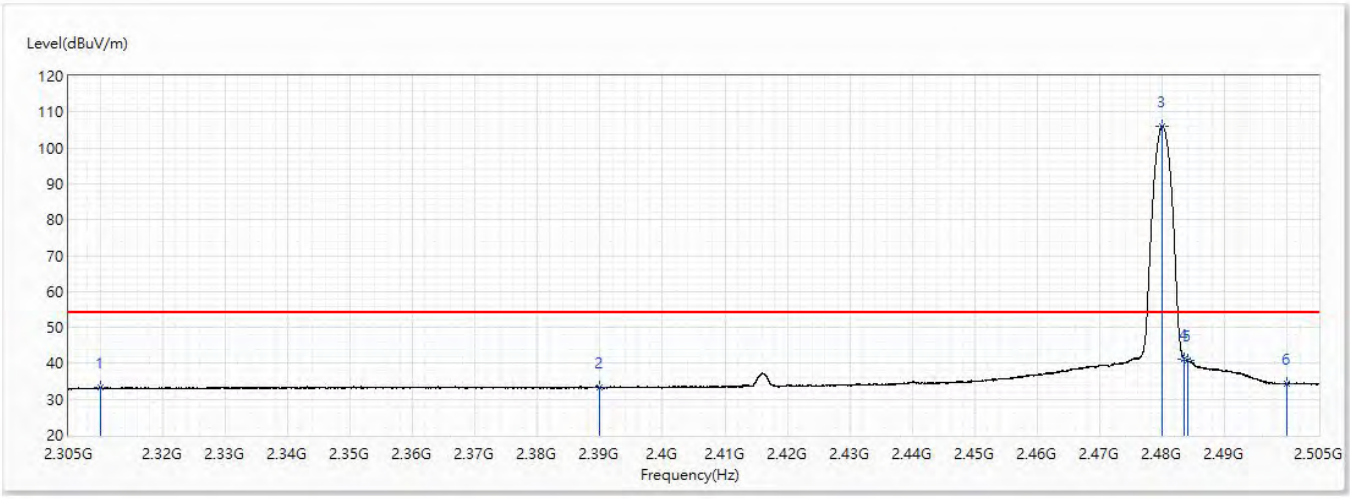
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/20
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_2DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	33.20	54.00	-20.80	17.63	15.57	AV
2	2390	33.16	54.00	-20.84	17.00	16.16	AV
! 3	2480.025	106.08	54.00	52.08	89.25	16.83	AV
4	2483.5	41.21	54.00	-12.79	24.35	16.86	AV
5	2484.075	40.75	54.00	-13.25	23.89	16.86	AV
6	2500	34.40	54.00	-19.60	17.42	16.98	AV

Note:

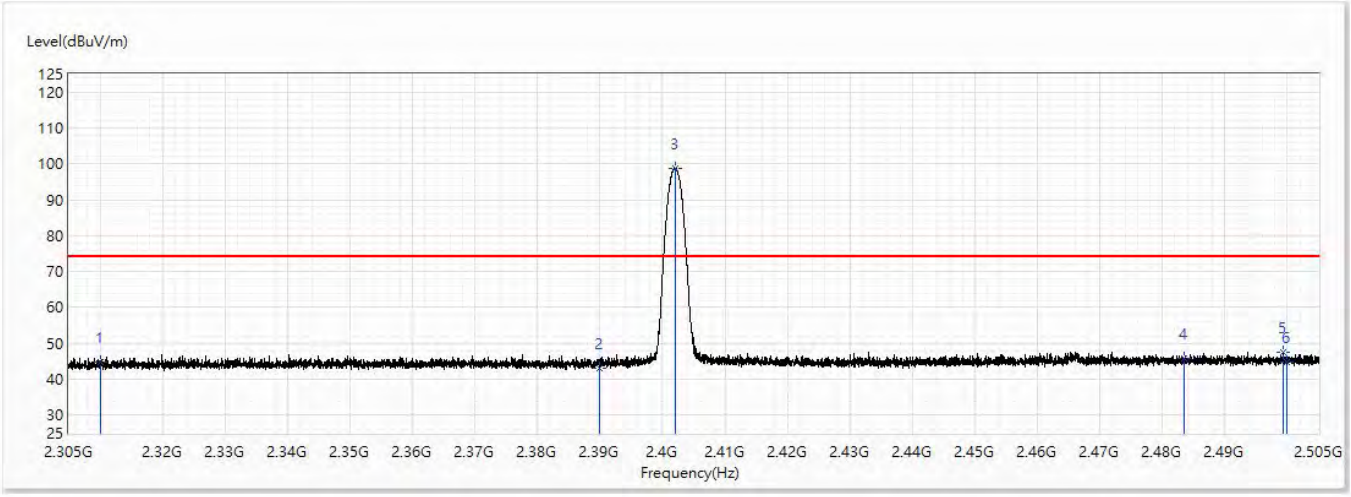
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.87	74.00	-29.13	29.30	15.57	PK
2	2390	43.17	74.00	-30.83	27.01	16.16	PK
! 3	2402.025	98.79	74.00	24.79	82.54	16.25	PK
4	2483.5	45.78	74.00	-28.22	28.92	16.86	PK
5	2499.3	47.64	74.00	-26.36	30.66	16.98	PK
6	2500	44.87	74.00	-29.13	27.89	16.98	PK

Note:

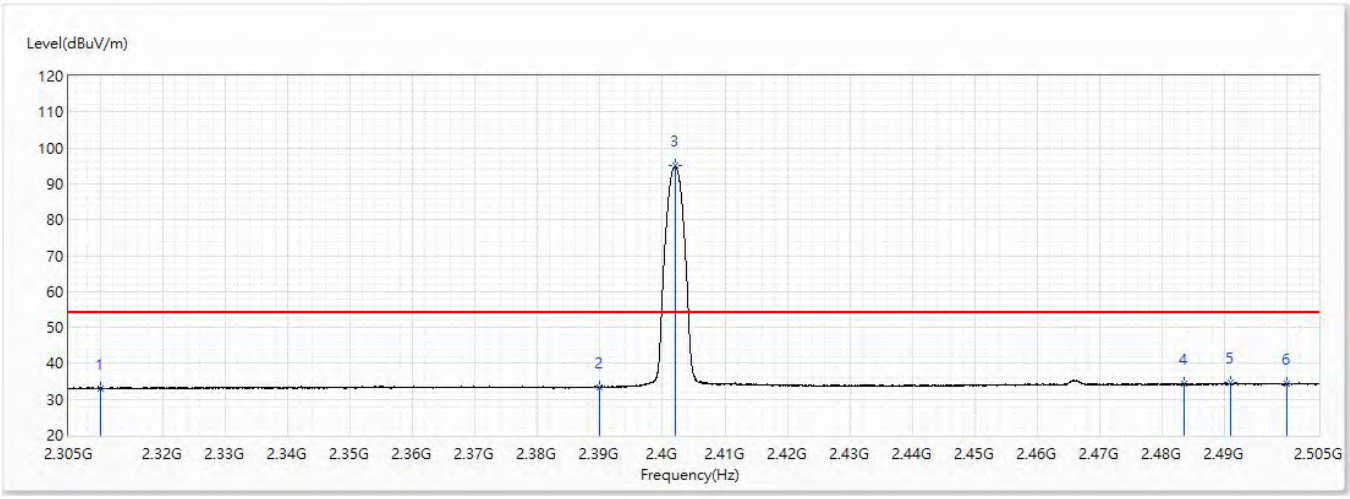
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	33.04	54.00	-20.96	17.47	15.57	AV
2	2390	33.33	54.00	-20.67	17.17	16.16	AV
! 3	2402.025	94.95	54.00	40.95	78.70	16.25	AV
4	2483.5	34.18	54.00	-19.82	17.32	16.86	AV
5	2490.925	34.56	54.00	-19.44	17.65	16.91	AV
6	2500	34.26	54.00	-19.74	17.28	16.98	AV

Note:

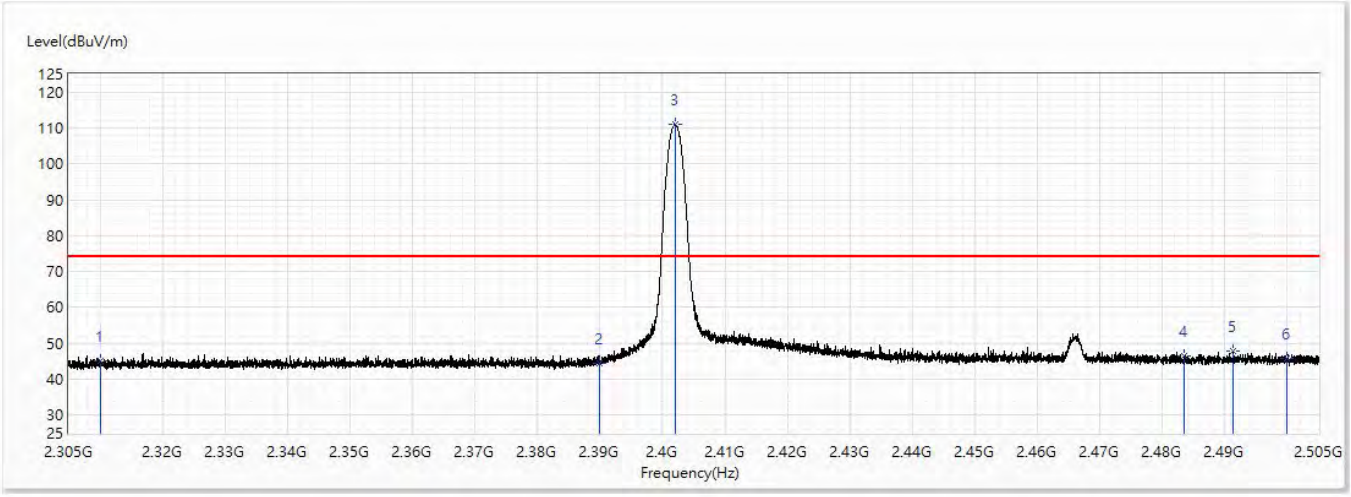
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	45.08	74.00	-28.92	29.51	15.57	PK
2	2390	44.56	74.00	-29.44	28.40	16.16	PK
! 3	2402	110.94	74.00	36.94	94.69	16.25	PK
4	2483.5	46.67	74.00	-27.33	29.81	16.86	PK
5	2491.375	47.78	74.00	-26.22	30.87	16.91	PK
6	2500	45.94	74.00	-28.06	28.96	16.98	PK

Note:

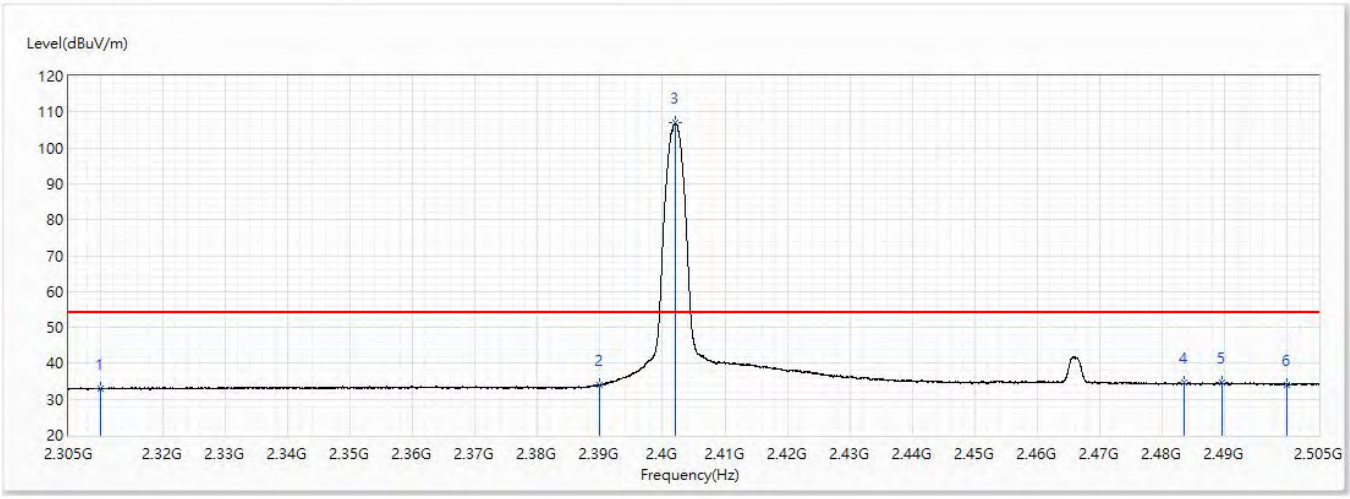
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2402MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.93	54.00	-21.07	17.36	15.57	AV
2	2390	34.08	54.00	-19.92	17.92	16.16	AV
! 3	2402.075	107.01	54.00	53.01	90.76	16.25	AV
4	2483.5	34.56	54.00	-19.44	17.70	16.86	AV
5	2489.45	34.62	54.00	-19.38	17.72	16.90	AV
6	2500	34.11	54.00	-19.89	17.13	16.98	AV

Note:

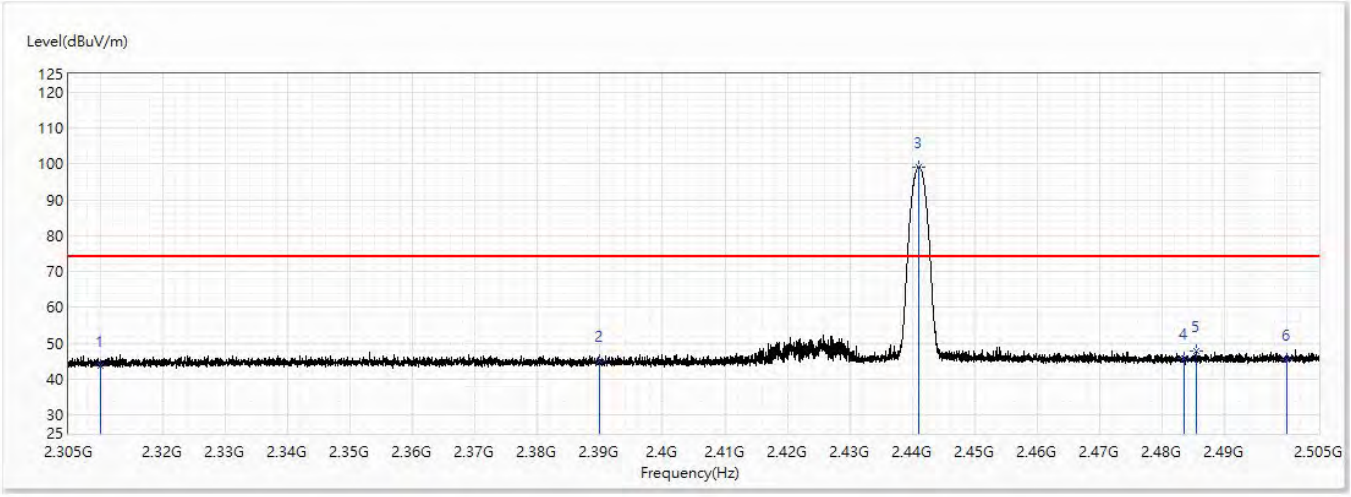
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	43.69	74.00	-30.31	28.12	15.57	PK
2	2390	45.19	74.00	-28.81	29.03	16.16	PK
! 3	2440.95	99.08	74.00	25.08	82.54	16.54	PK
4	2483.5	45.72	74.00	-28.28	28.86	16.86	PK
5	2485.35	47.79	74.00	-26.21	30.92	16.87	PK
6	2500	45.31	74.00	-28.69	28.33	16.98	PK

Note:

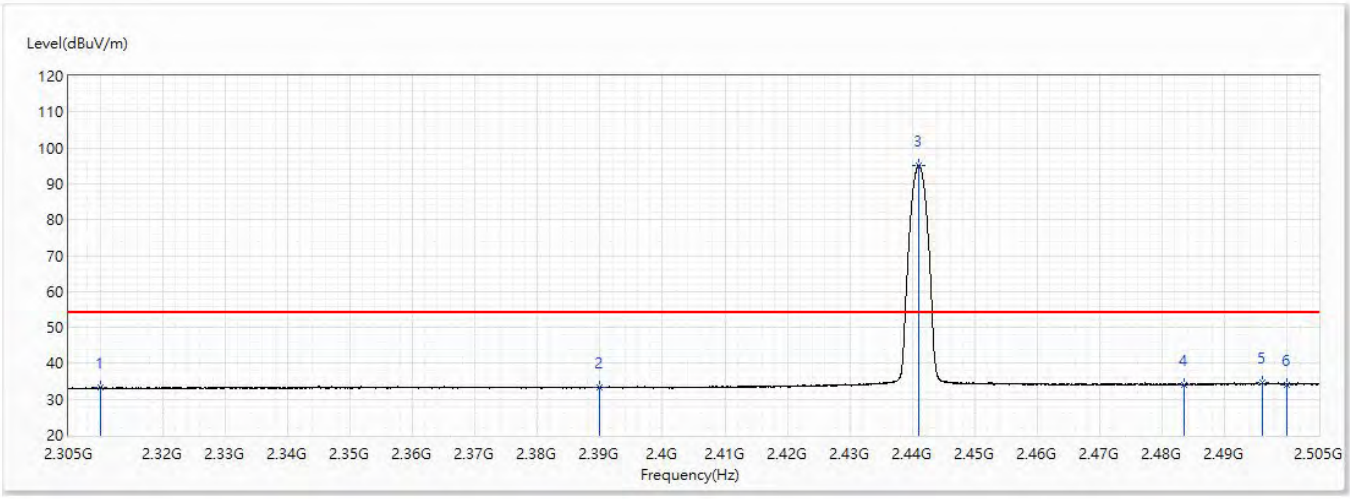
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	33.24	54.00	-20.76	17.67	15.57	AV
2	2390	33.23	54.00	-20.77	17.07	16.16	AV
! 3	2441.025	95.03	54.00	41.03	78.49	16.54	AV
4	2483.5	34.02	54.00	-19.98	17.16	16.86	AV
5	2495.925	34.58	54.00	-19.42	17.63	16.95	AV
6	2500	34.16	54.00	-19.84	17.18	16.98	AV

Note:

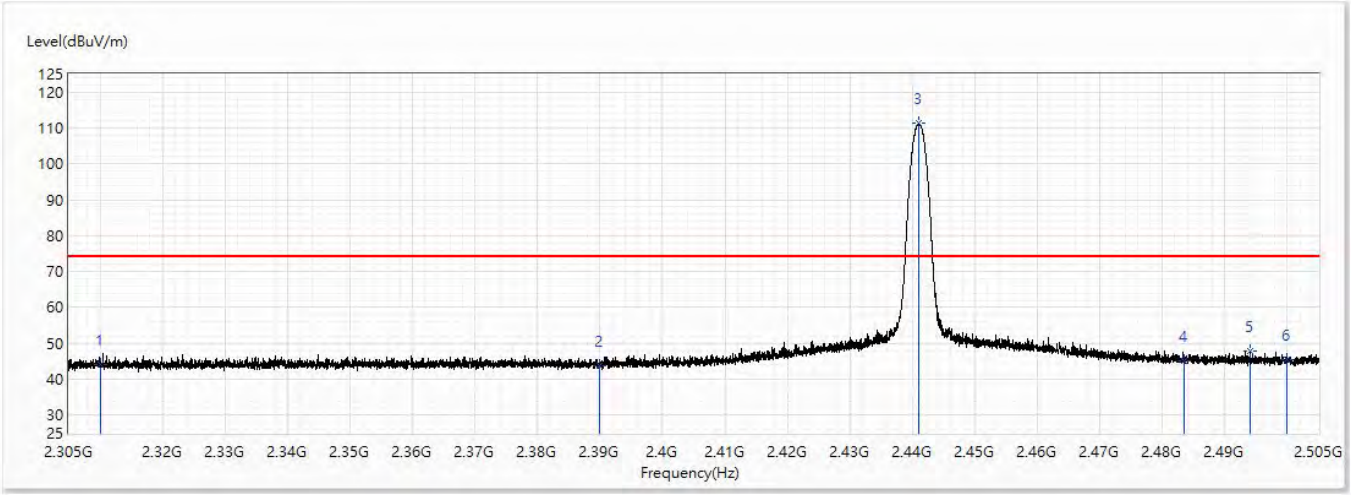
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.26	74.00	-29.74	28.69	15.57	PK
2	2390	43.66	74.00	-30.34	27.50	16.16	PK
! 3	2440.975	111.19	74.00	37.19	94.65	16.54	PK
4	2483.5	45.19	74.00	-28.81	28.33	16.86	PK
5	2494.05	47.75	74.00	-26.25	30.81	16.94	PK
6	2500	45.59	74.00	-28.41	28.61	16.98	PK

Note:

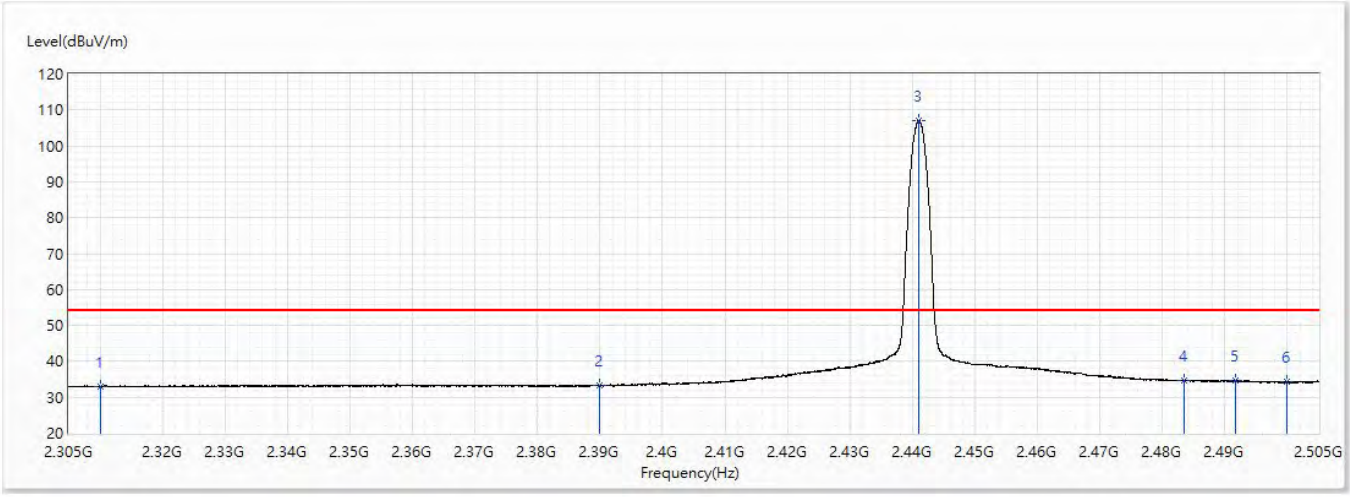
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2441MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.92	54.00	-21.08	17.35	15.57	AV
2	2390	33.24	54.00	-20.76	17.08	16.16	AV
! 3	2441.025	107.10	54.00	53.10	90.56	16.54	AV
4	2483.5	34.57	54.00	-19.43	17.71	16.86	AV
5	2491.65	34.76	54.00	-19.24	17.85	16.91	AV
6	2500	34.26	54.00	-19.74	17.28	16.98	AV

Note:

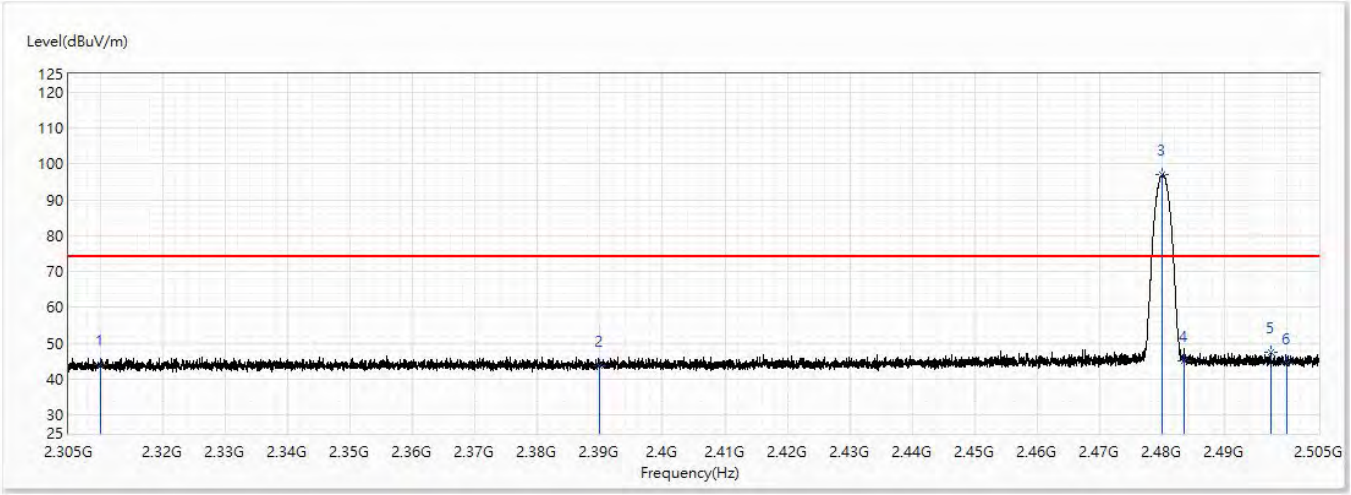
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.16	74.00	-29.84	28.59	15.57	PK
2	2390	43.92	74.00	-30.08	27.76	16.16	PK
! 3	2480.025	96.96	74.00	22.96	80.13	16.83	PK
4	2483.5	45.14	74.00	-28.86	28.28	16.86	PK
5	2497.35	47.38	74.00	-26.62	30.42	16.96	PK
6	2500	44.35	74.00	-29.65	27.37	16.98	PK

Note:

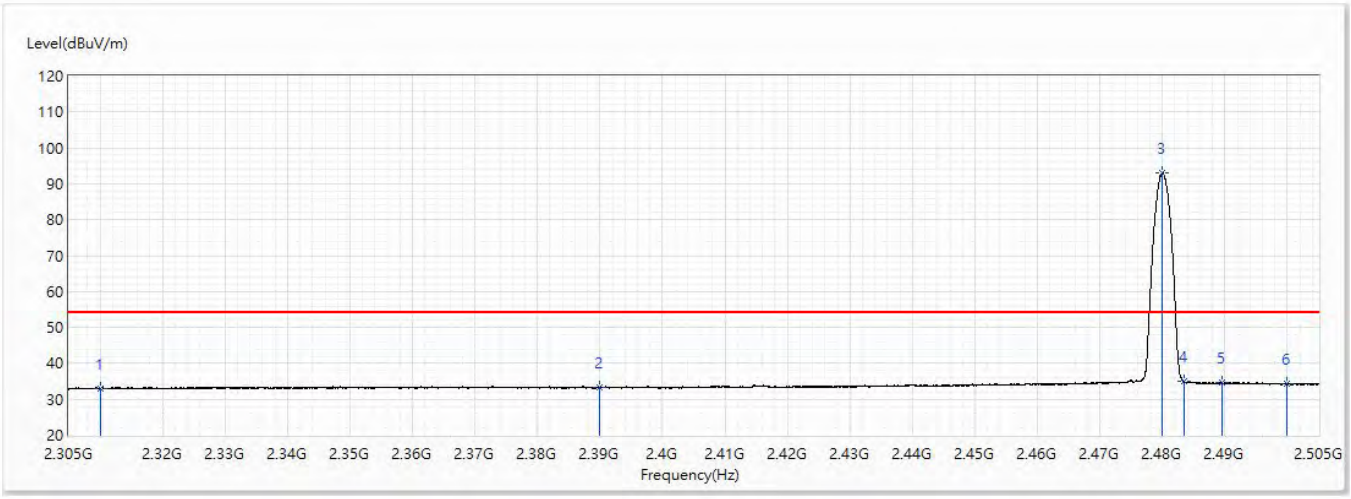
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	33.09	54.00	-20.91	17.52	15.57	AV
2	2390	33.24	54.00	-20.76	17.08	16.16	AV
! 3	2480.025	92.93	54.00	38.93	76.10	16.83	AV
4	2483.5	34.91	54.00	-19.09	18.05	16.86	AV
5	2489.475	34.64	54.00	-19.36	17.74	16.90	AV
6	2500	34.30	54.00	-19.70	17.32	16.98	AV

Note:

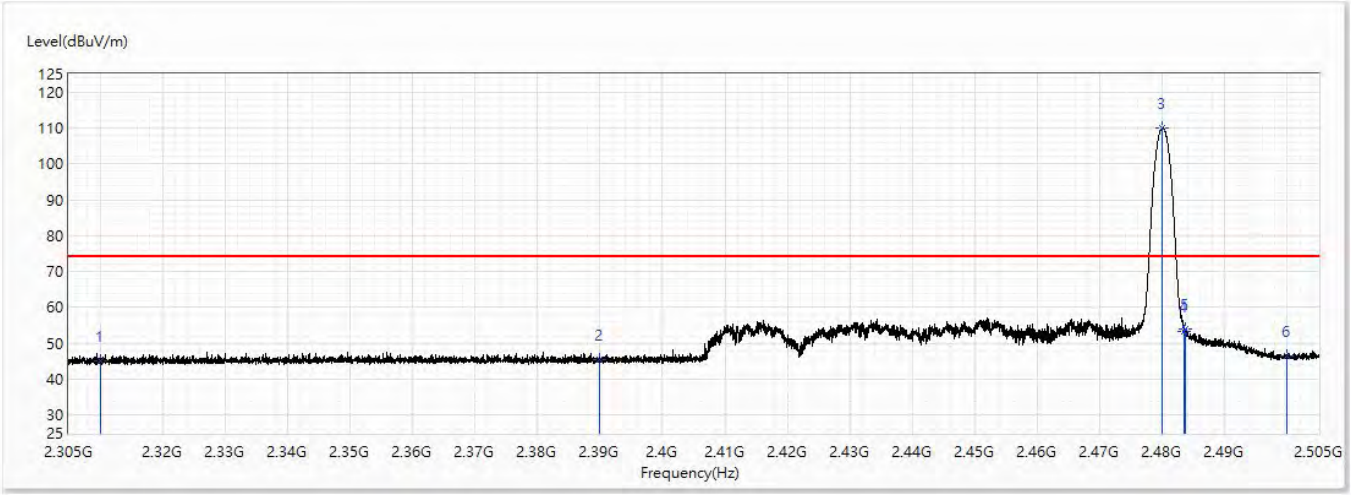
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	45.23	74.00	-28.77	29.66	15.57	PK
2	2390	45.48	74.00	-28.52	29.32	16.16	PK
! 3	2480	110.00	74.00	36.00	93.17	16.83	PK
4	2483.5	53.37	74.00	-20.63	36.51	16.86	PK
5	2483.75	54.07	74.00	-19.93	37.21	16.86	PK
6	2500	46.49	74.00	-27.51	29.51	16.98	PK

Note:

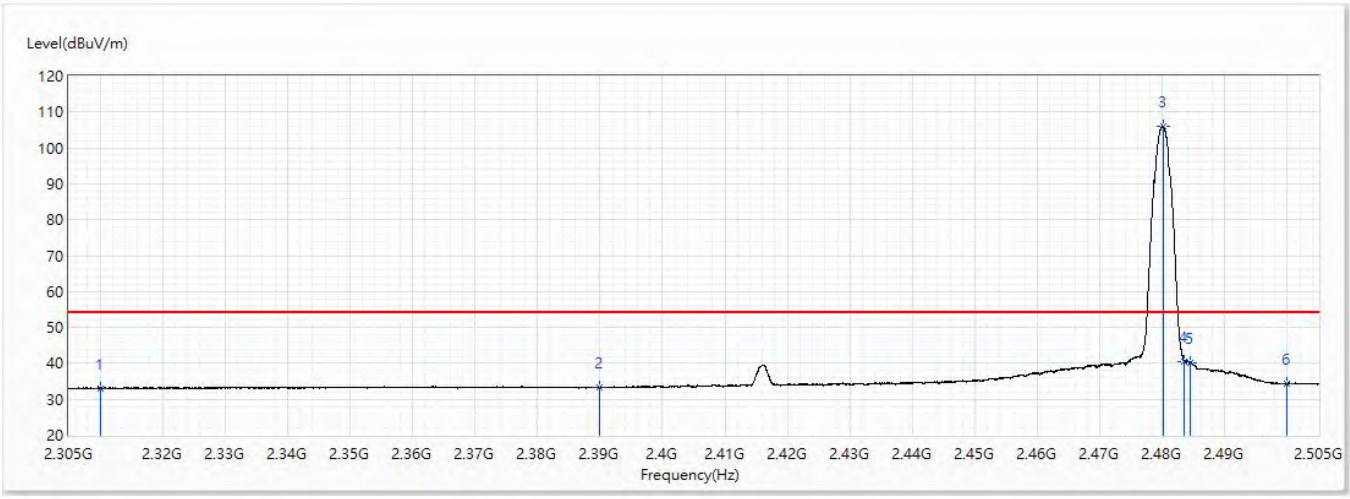
1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/21
Test Mode	Mode 1: Transmit Mode	Engineer	Elwin
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.15.1_3DH5_2480MHz	Humidity (%RH)	51.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	33.06	54.00	-20.94	17.49	15.57	AV
2	2390	33.24	54.00	-20.76	17.08	16.16	AV
! 3	2480.05	105.96	54.00	51.96	89.13	16.83	AV
4	2483.5	40.62	54.00	-13.38	23.76	16.86	AV
5	2484.45	40.17	54.00	-13.83	23.31	16.86	AV
6	2500	34.30	54.00	-19.70	17.32	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.

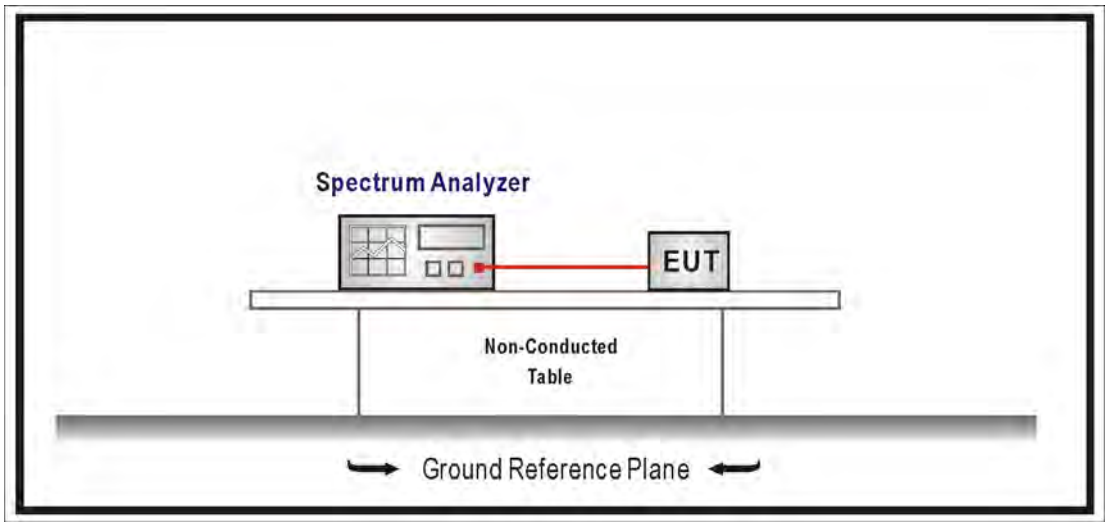
2. Emission Level = Reading Level + Correct Factor.

3. 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.

4. The fundamental for reference only, it’s not restricted by unwanted emission limit.

7. Number of hopping frequency

7.1. Test Setup



7.2. 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.

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. 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. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Frequency hopping systems operating in the 5725-5850 MHz band shall use at least 75 hopping frequencies. The maximum 20 dB bandwidth of the hopping channel is 1 MHz. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

7.4. Test Specification

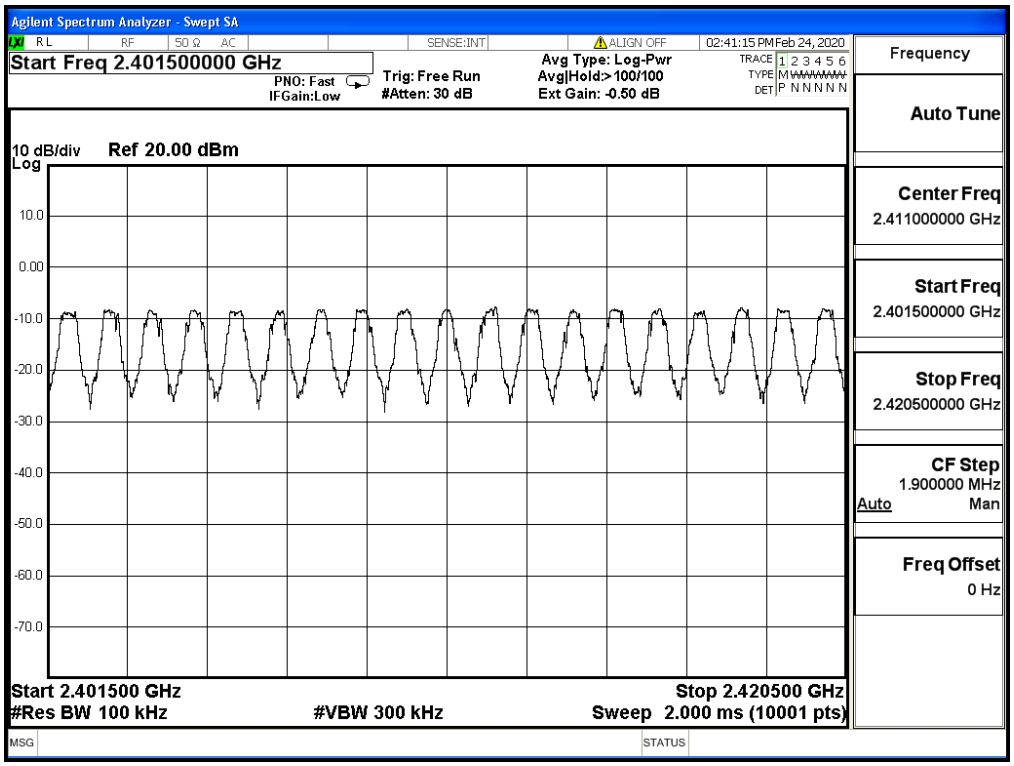
According to FCC Part 15 Subpart C Paragraph 15.247: 2018

7.5. Test Result

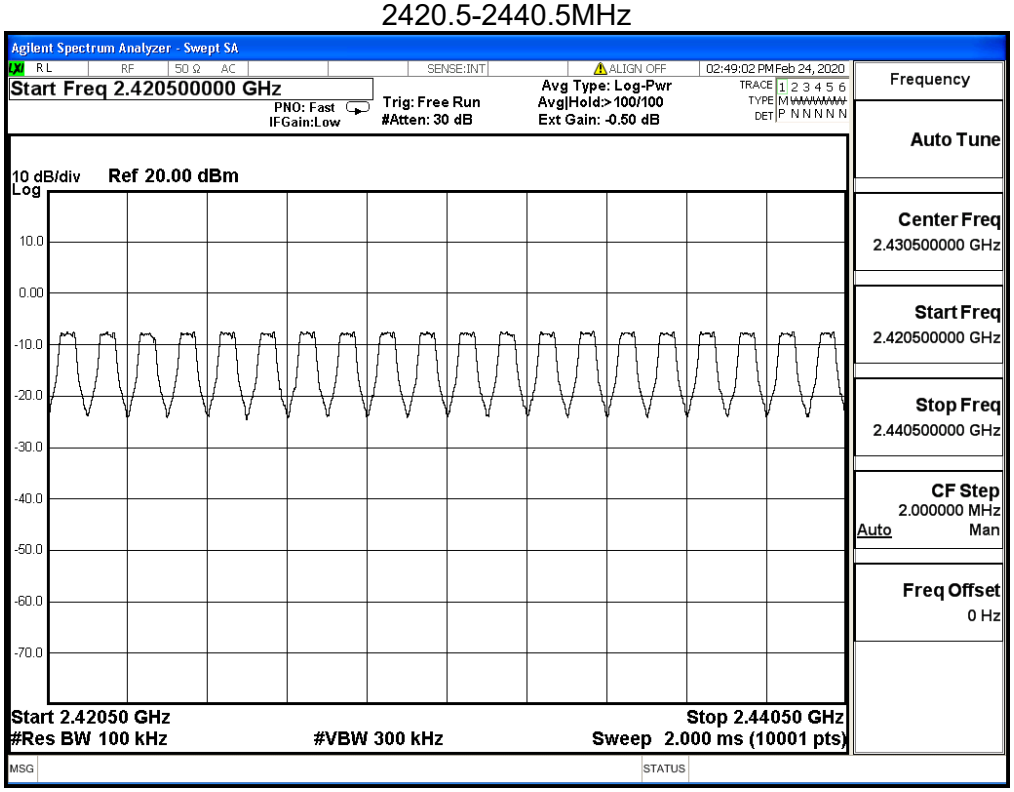
Product	Android Based UI		
Test Item	Number of hopping frequency		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/24	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

Frequency Range (MHz)	Measure Level (Channels)	Limit (Channels)
2402 - 2480	79	≧ 75

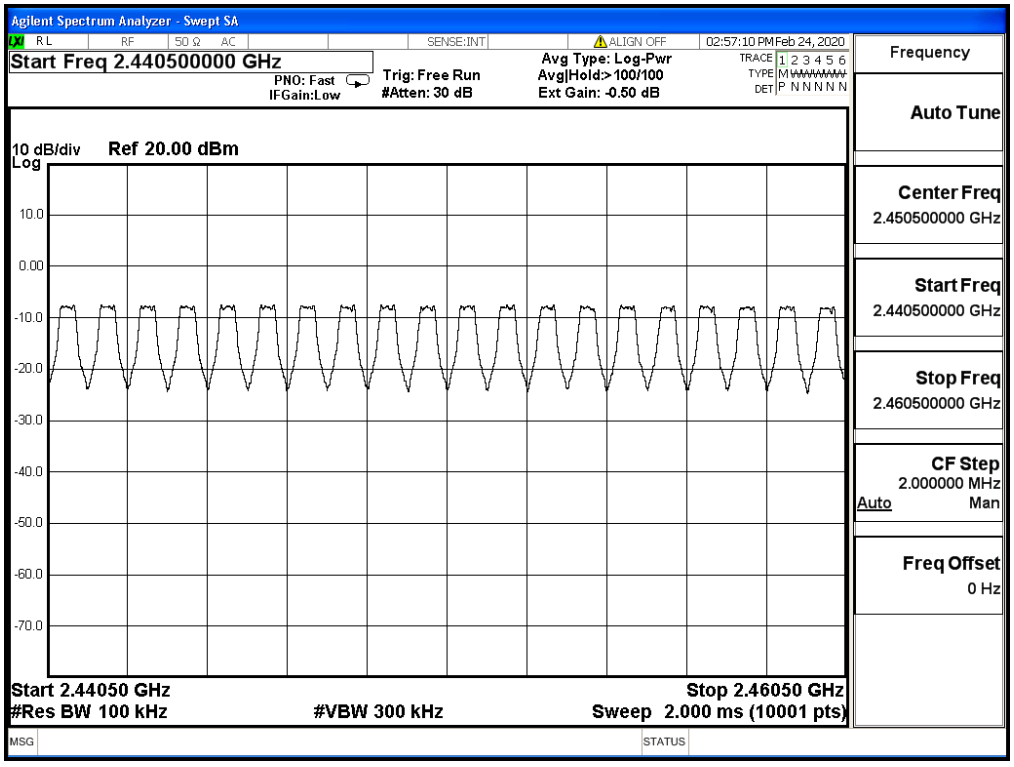
2401.5-2420.5MHz



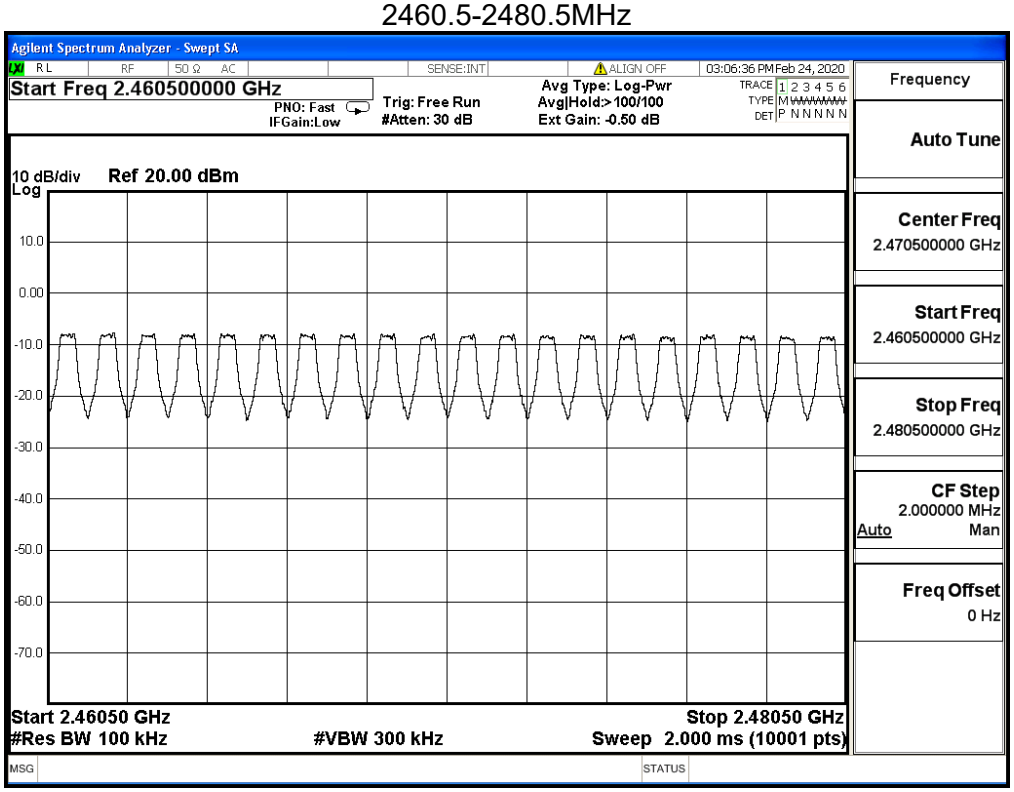
2420.5-2440.5MHz



2440.5-2460.5MHz

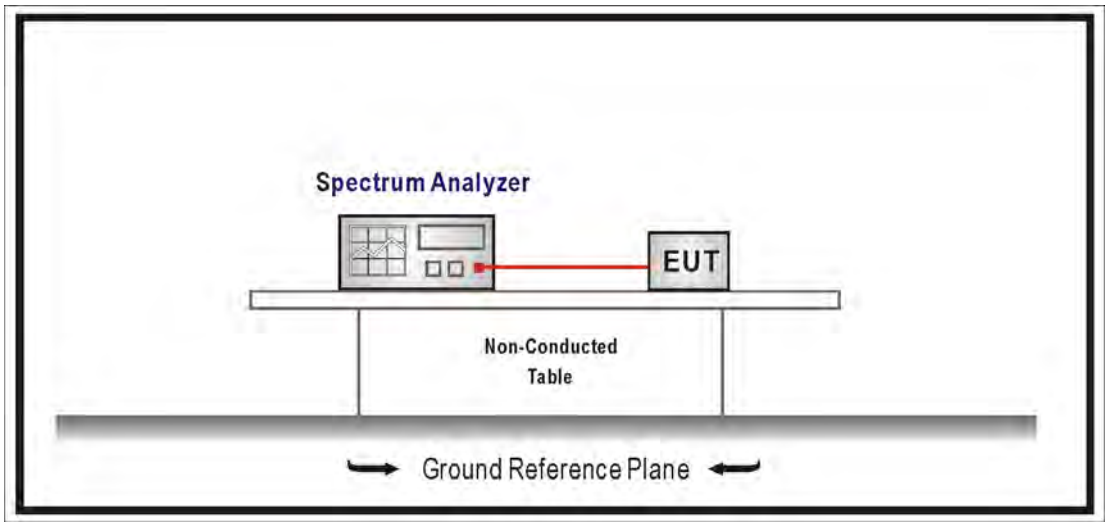


2460.5-2480.5MHz



8. Carrier Frequency Separation

8.1. Test Setup



8.2. Limits

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. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an Maximum peak conducted output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

8.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements

8.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2018

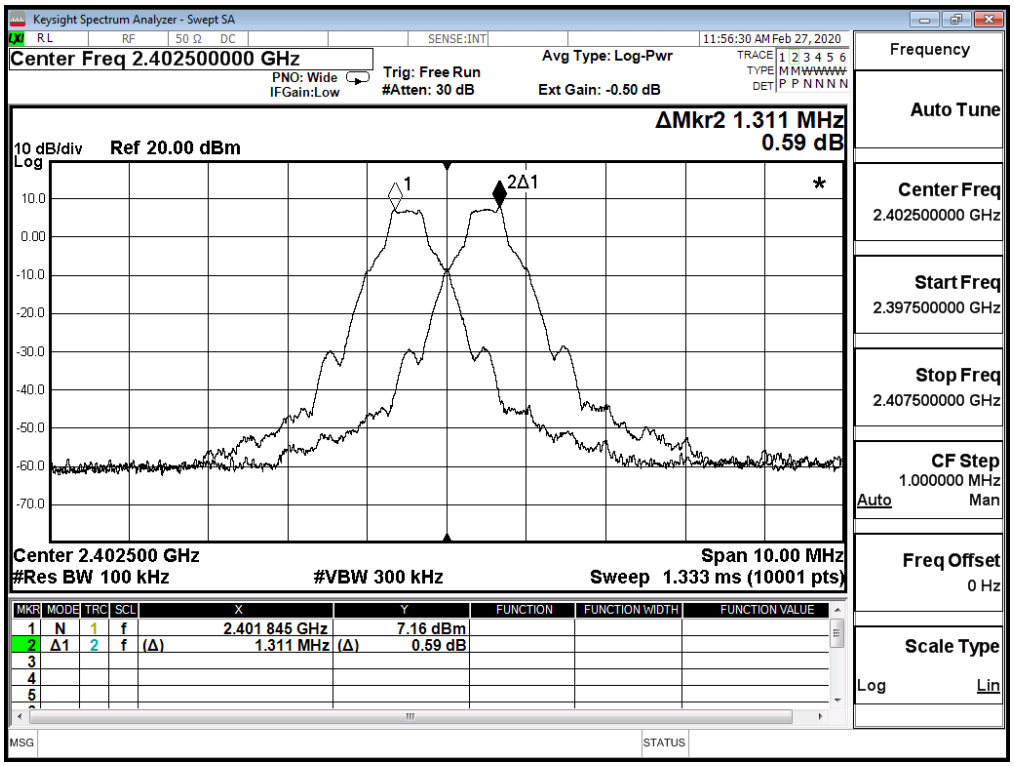
8.5. Test Result

Product	Android Based UI		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

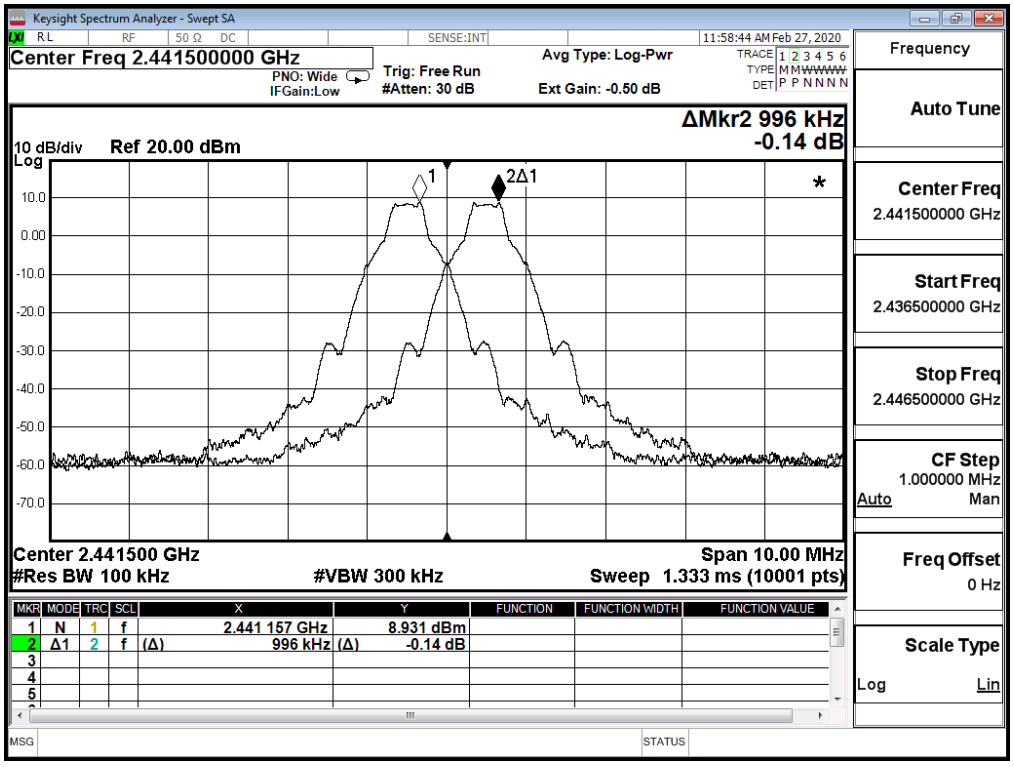
GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
00	2402	1.311	≧0.750
39	2441	0.996	≧0.750
78	2480	1.001	≧0.753

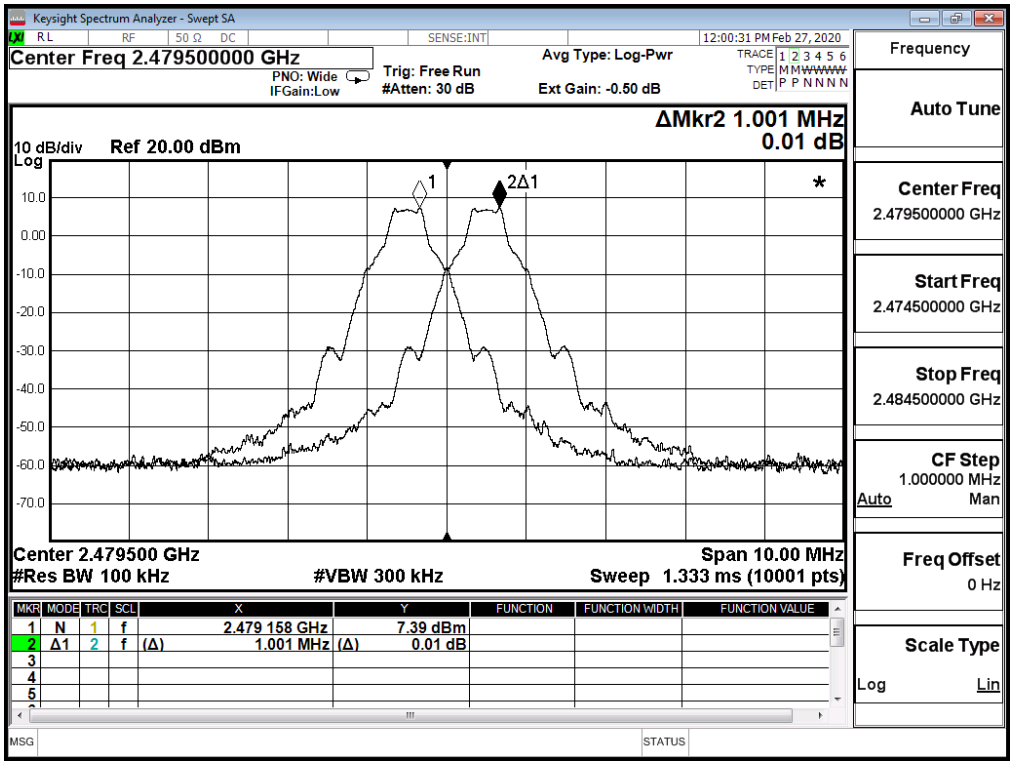
Channel 00



Channel 39



Channel 78

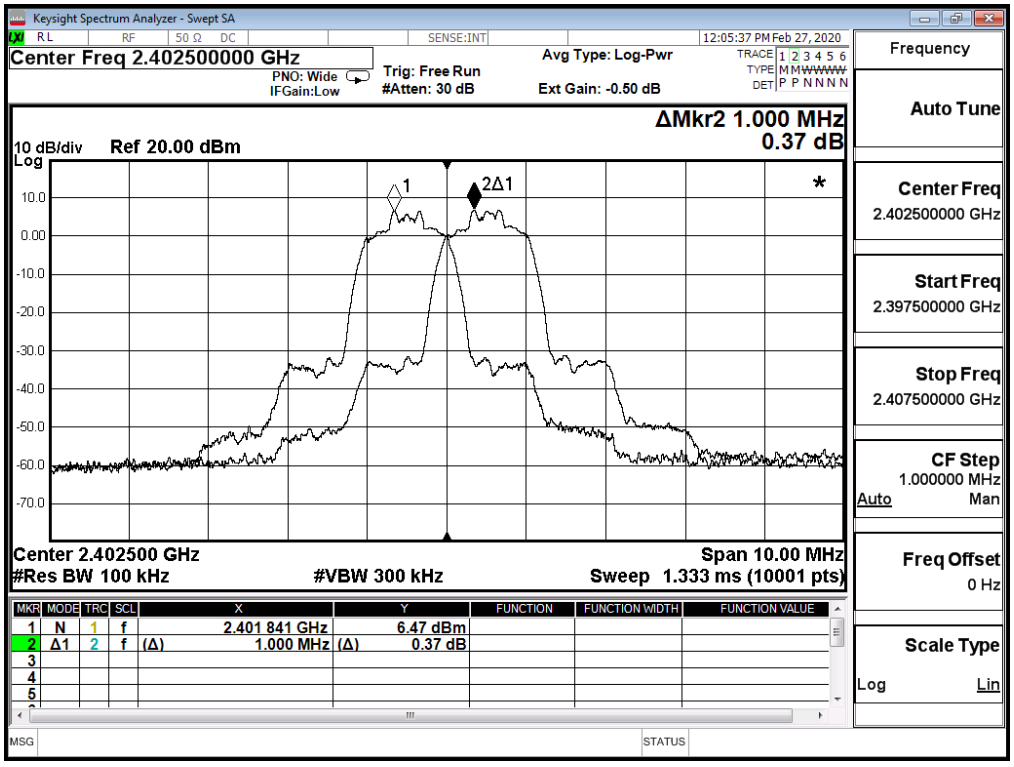


Product	Android Based UI		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

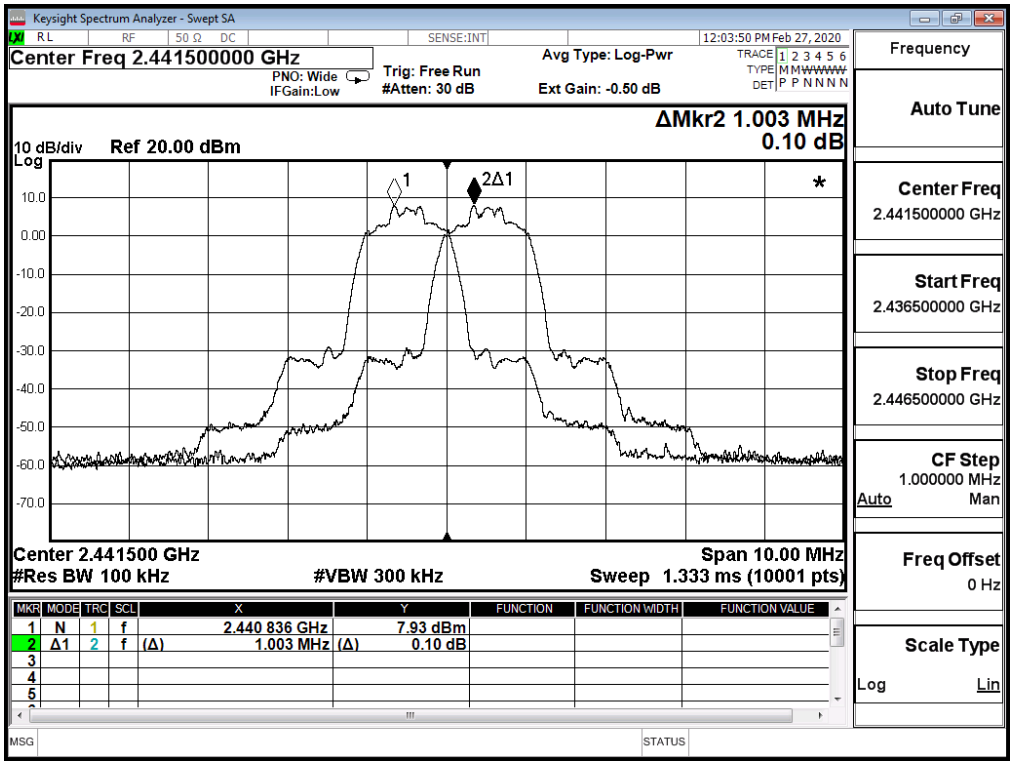
π/4-DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
00	2402	1.000	≧0.901
39	2441	1.003	≧0.899
78	2480	0.997	≧0.899

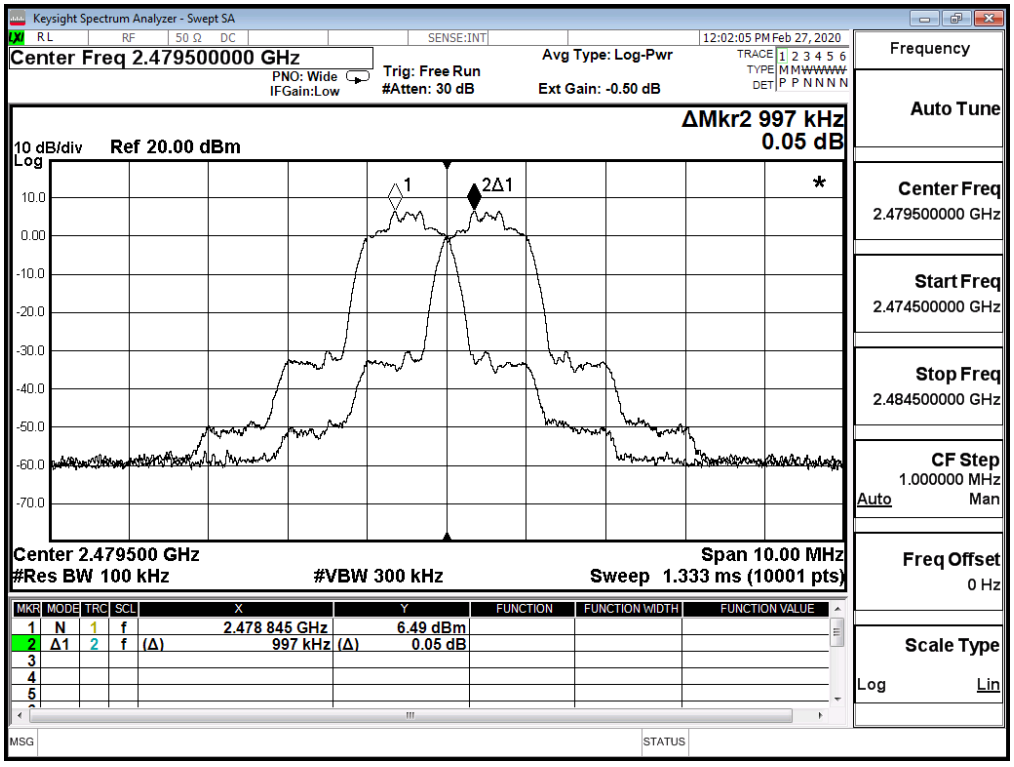
Channel 00



Channel 39



Channel78

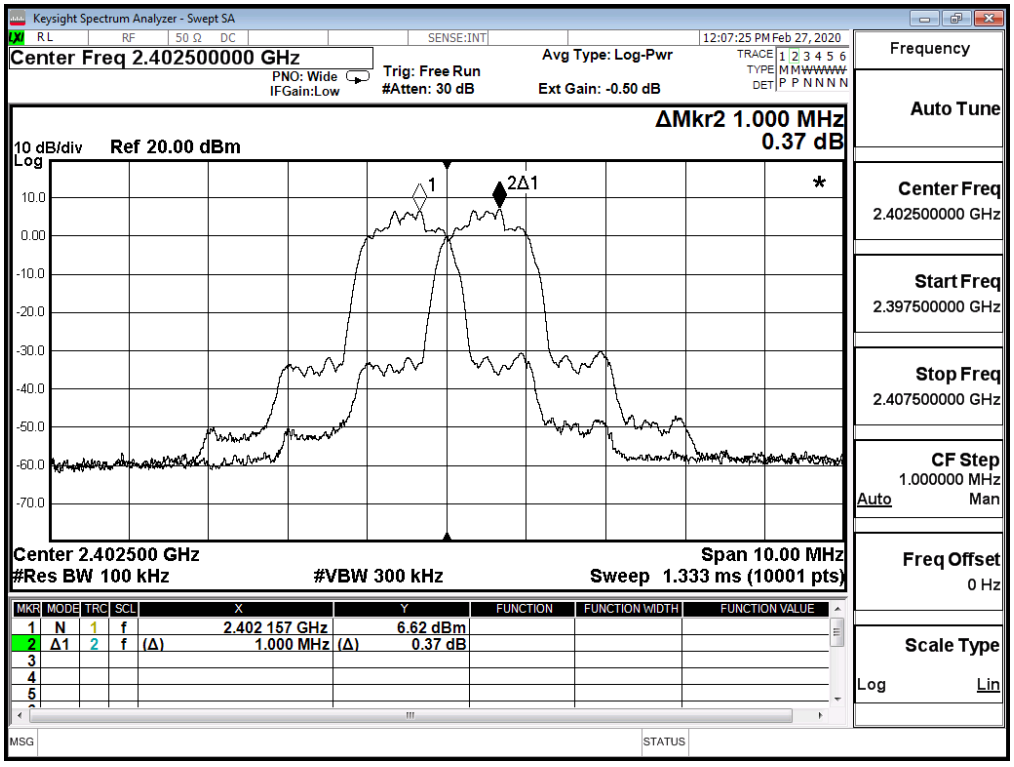


Product	Android Based UI		
Test Item	Carrier Frequency Separation		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

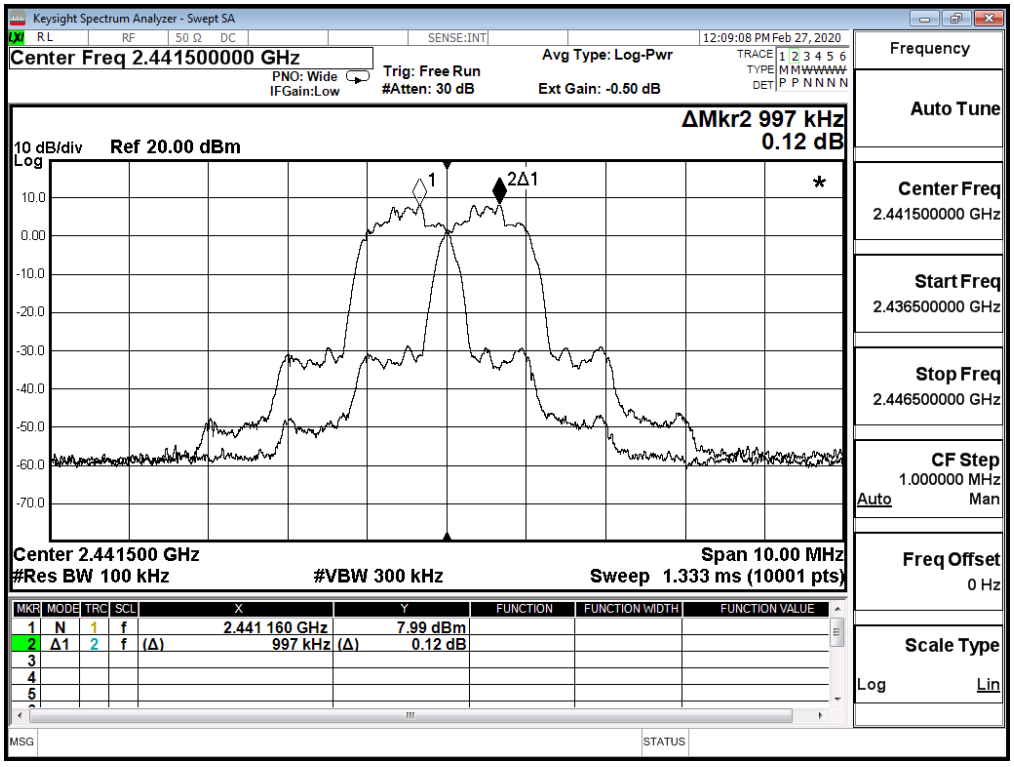
8-DPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
00	2402	1.000	≧0.909
39	2441	0.997	≧0.911
78	2480	0.999	≧0.912

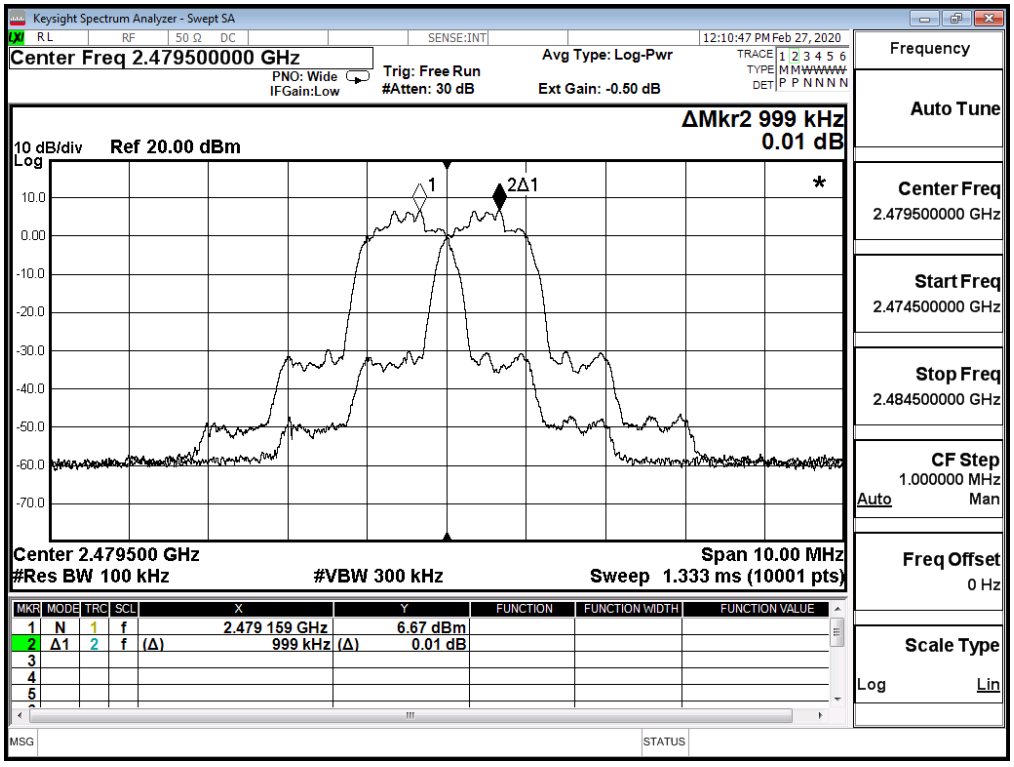
Channel 00



Channel 39

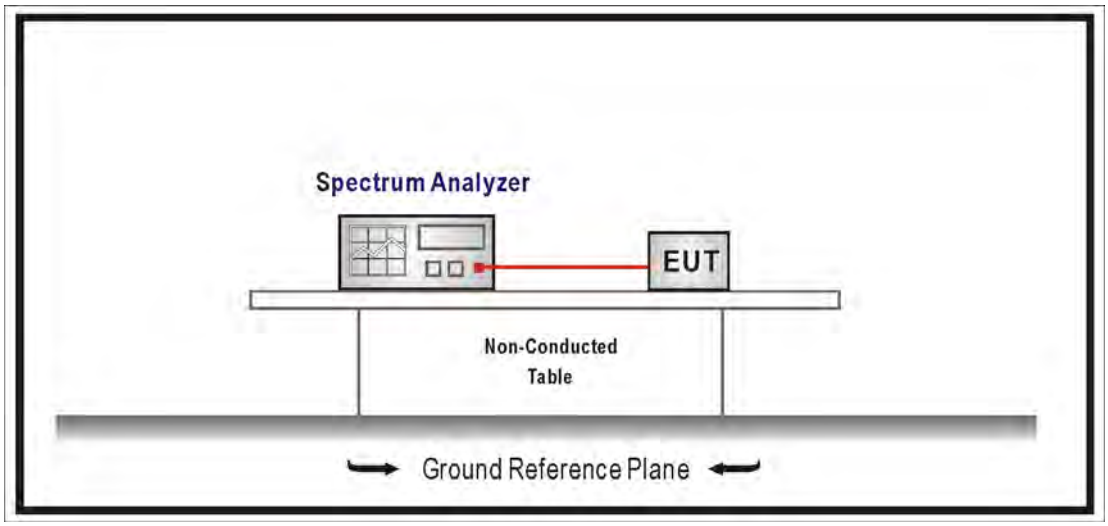


Channel 78



9. -20dB Bandwidth

9.1. Test Setup



9.2. Limits

N/A

9.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 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.

9.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2018.

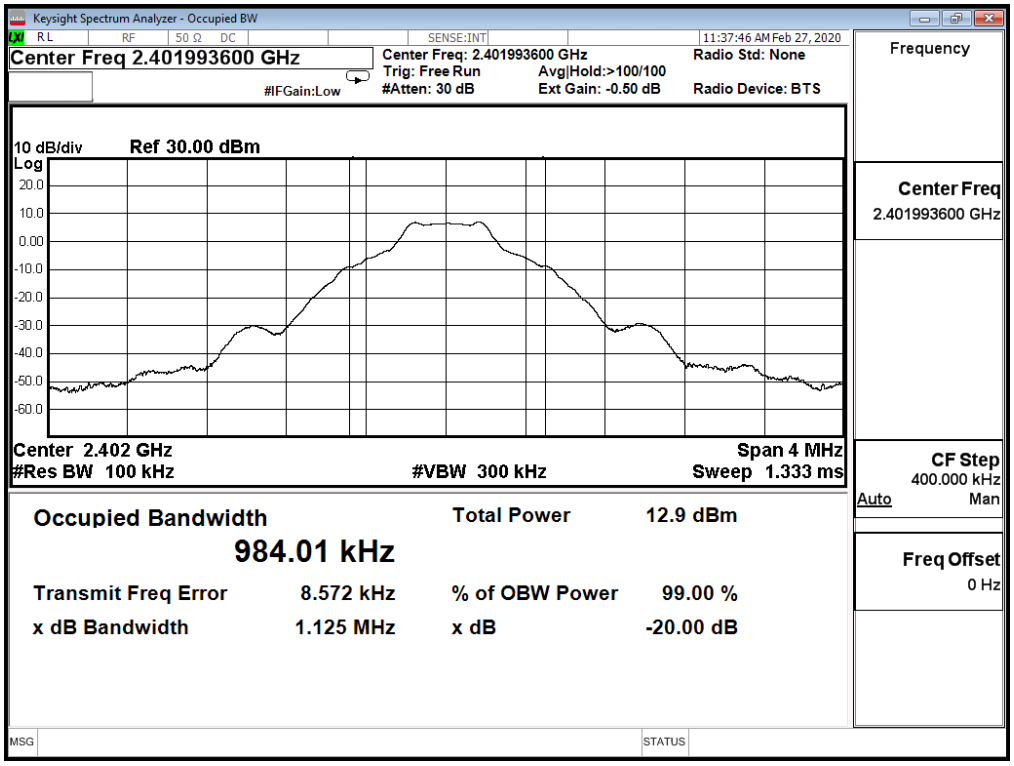
9.5. Test Result

Product	Android Based UI		
Test Item	-20dB Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

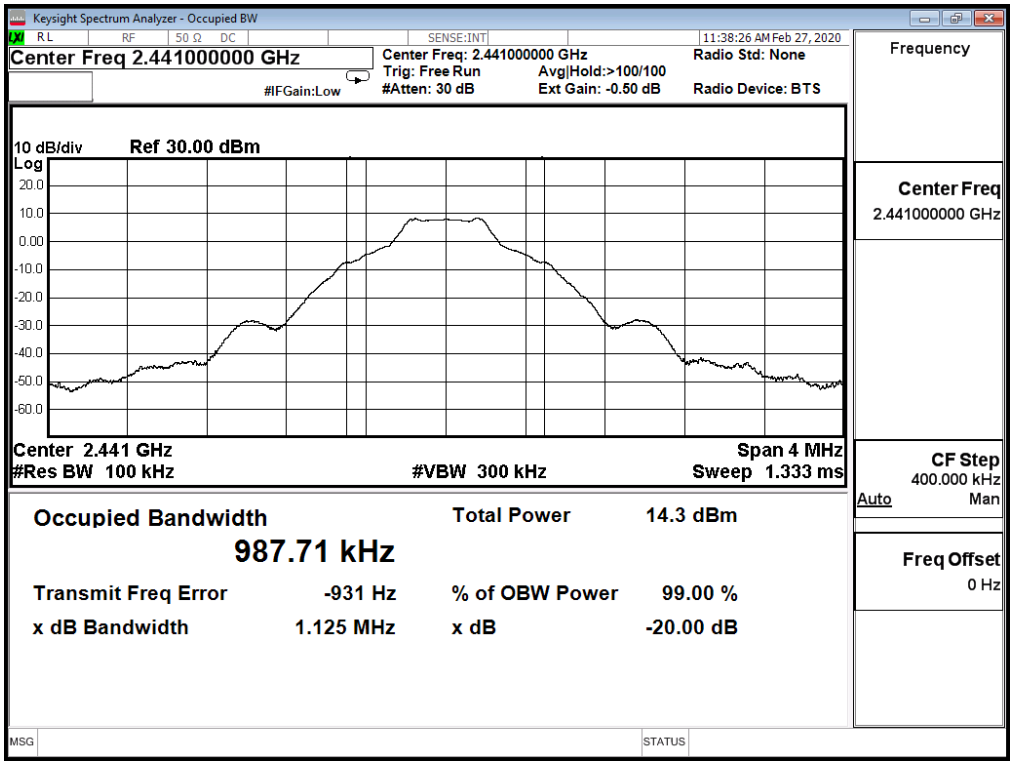
GFSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
00	2402	1.125	---
39	2441	1.125	---
78	2480	1.129	---

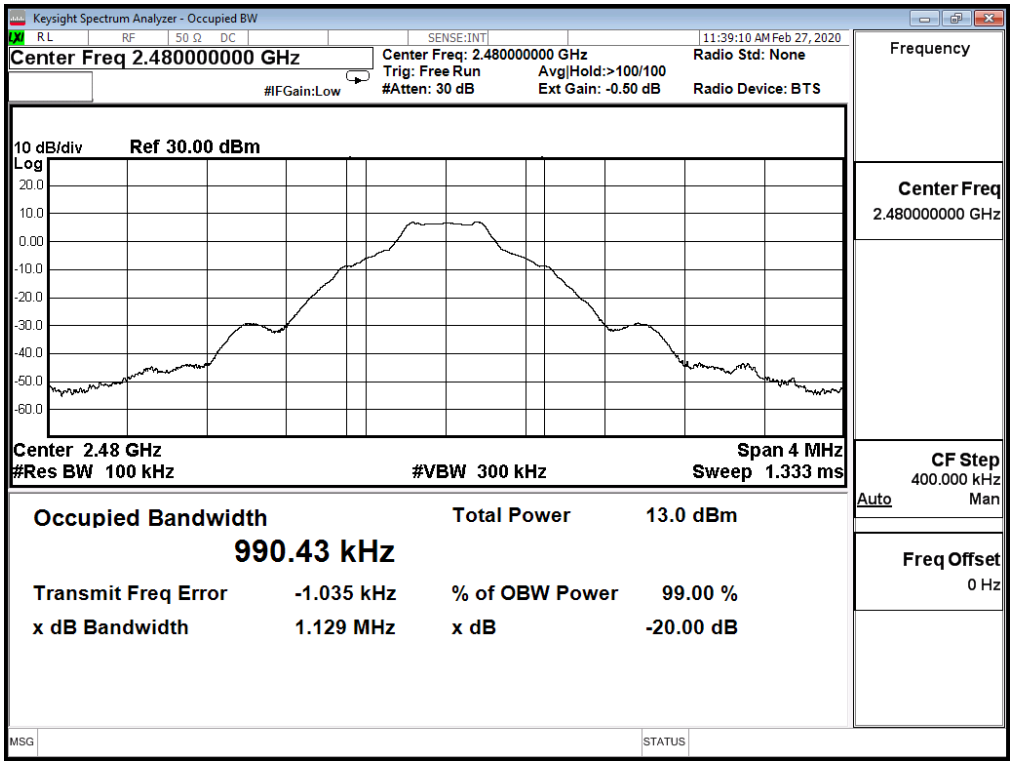
Channel 00



Channel 39



Channel 78

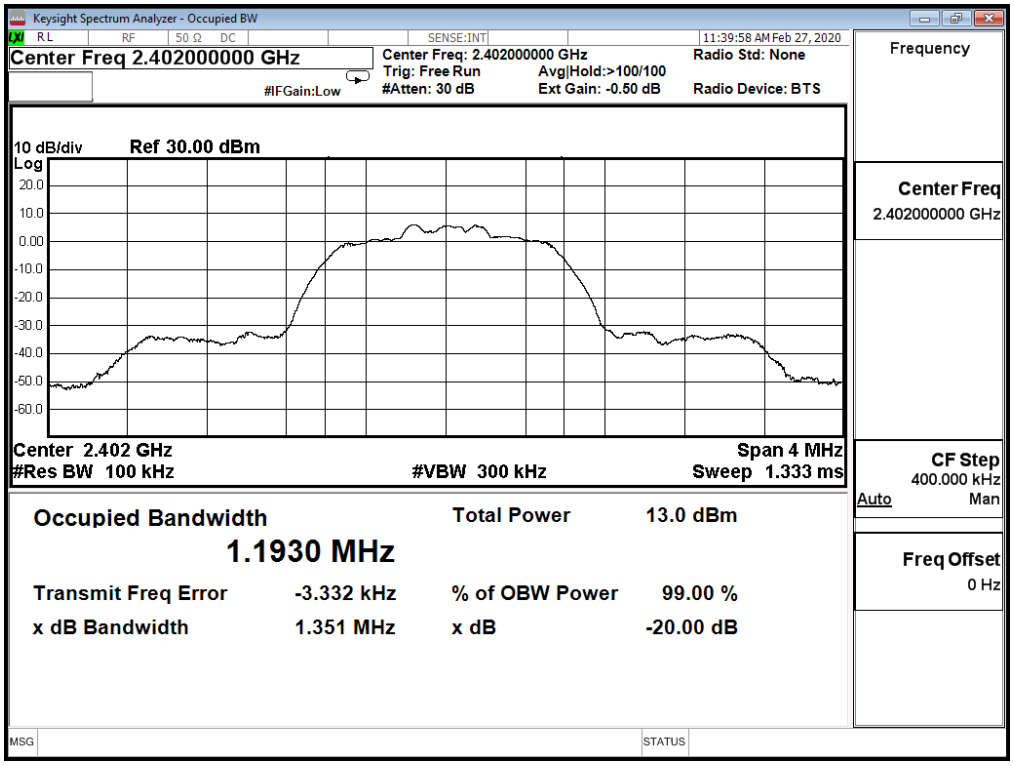


Product	Android Based UI		
Test Item	-20dB Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

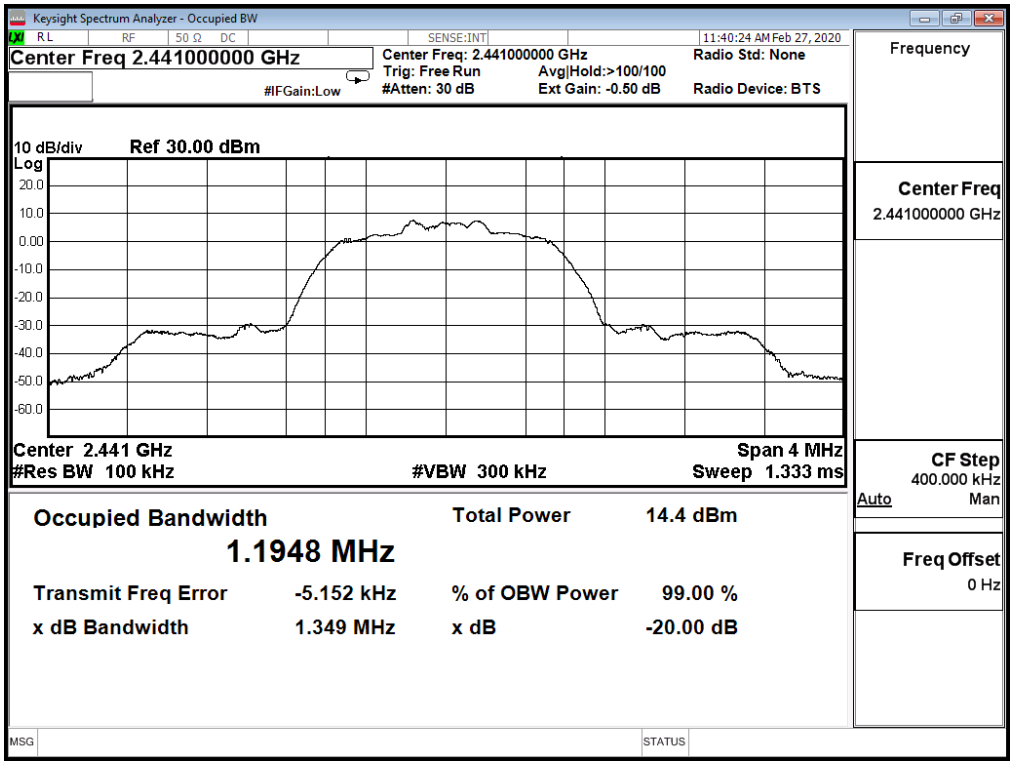
π/4-DQPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
00	2402	1.351	---
39	2441	1.349	---
78	2480	1.348	---

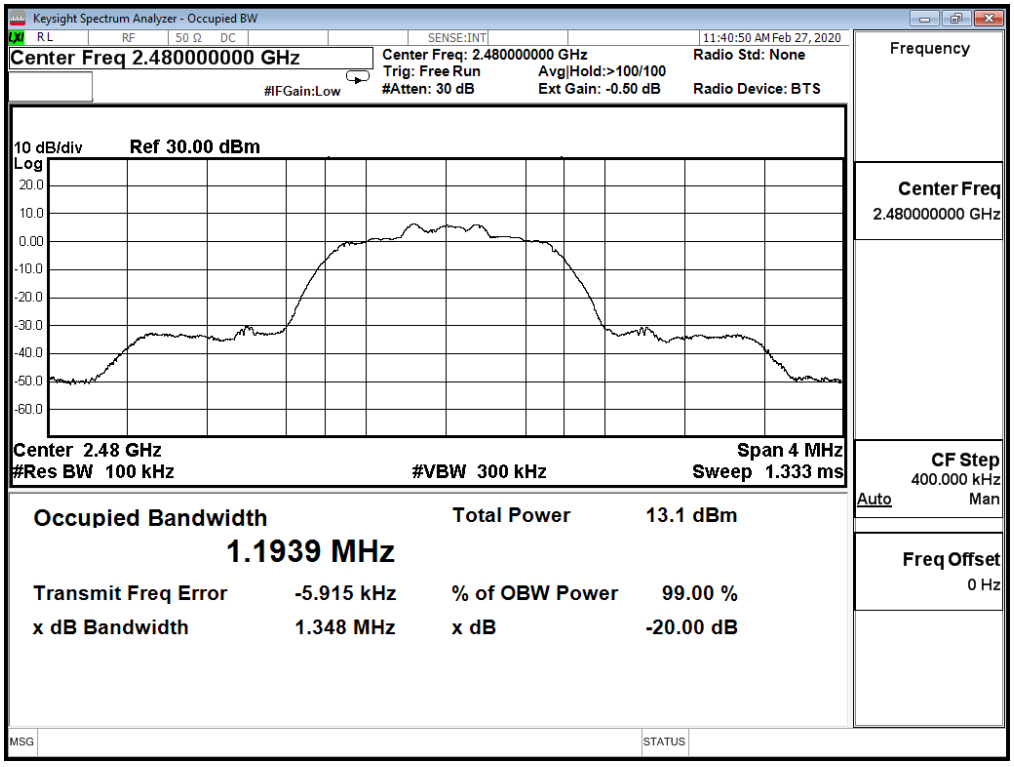
Channel 00



Channel 39



Channel 78

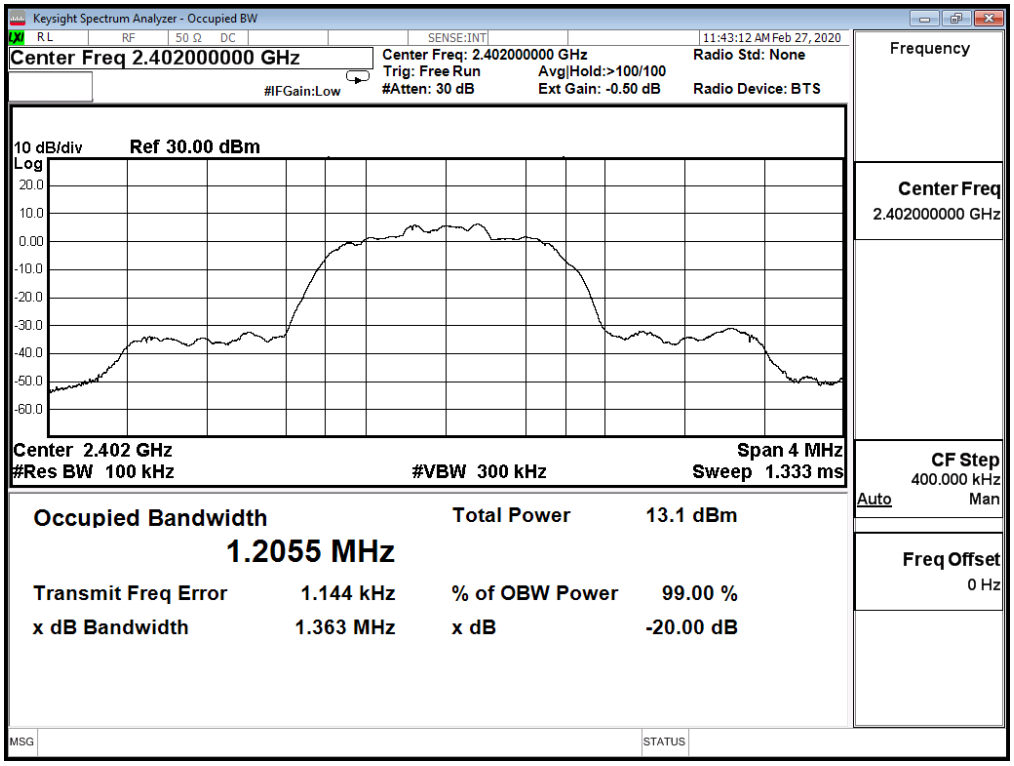


Product	Android Based UI		
Test Item	-20dB Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

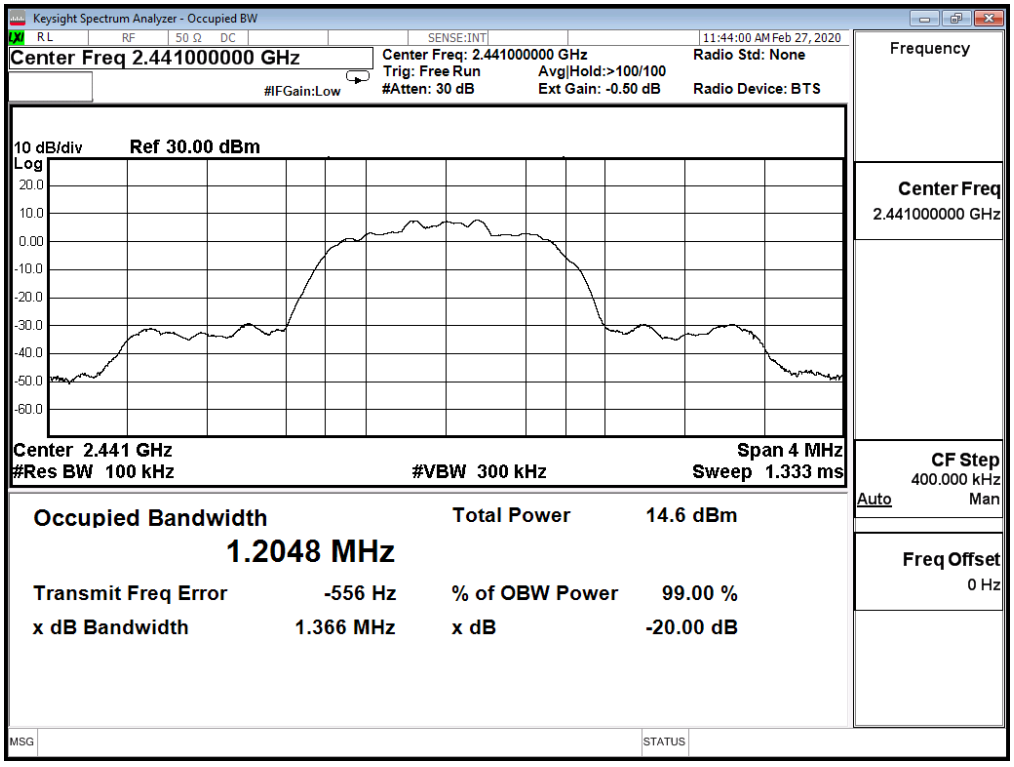
8-DPSK

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
00	2402	1.363	---
39	2441	1.366	---
78	2480	1.368	---

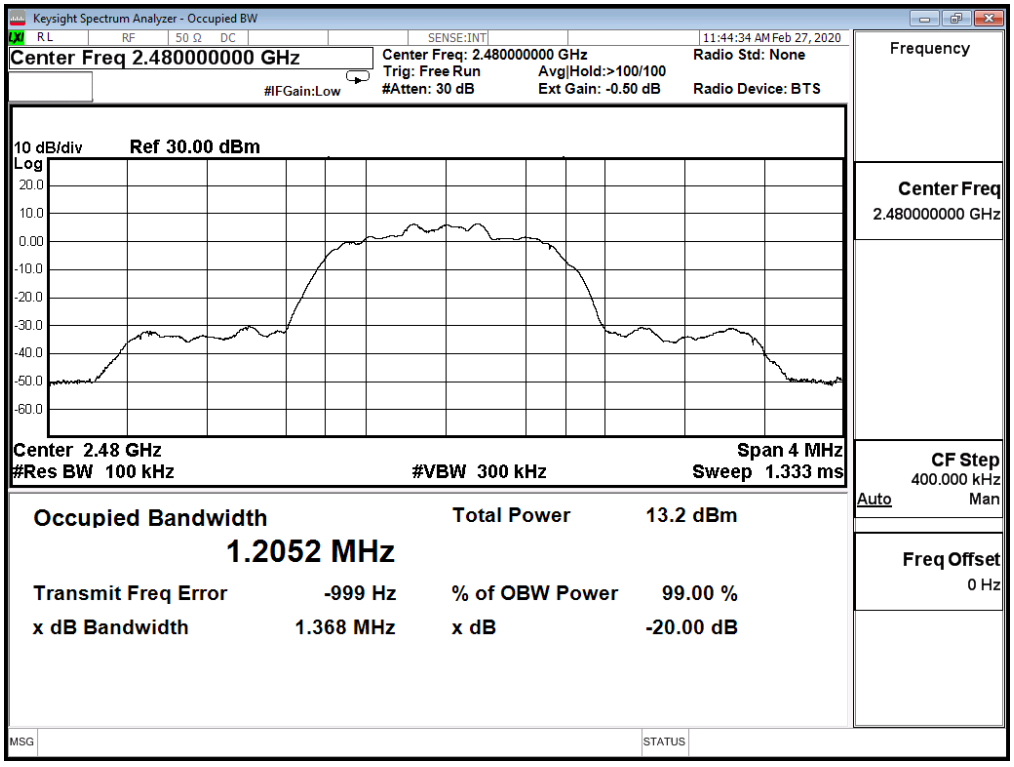
Channel 00



Channel 39

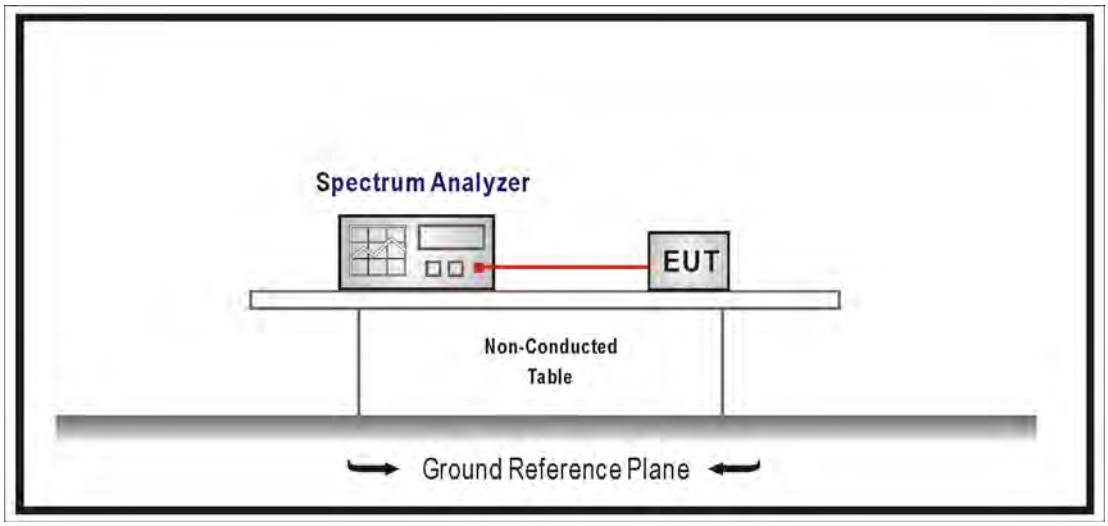


Channel 78



10. Dwell Time

10.1. Test Setup



10.2. 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.

10.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of FCC KDB 558074 D01 v05r02 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.

10.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2018

10.5. Test Result

Product	Android Based UI		
Test Item	Dwell Time		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

GFSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.879 ms = 0.002879 sec

Dwell Time : 0.002879 *(266.67/79)* 31.60= 0.3071 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.881 ms = 0.002881 sec

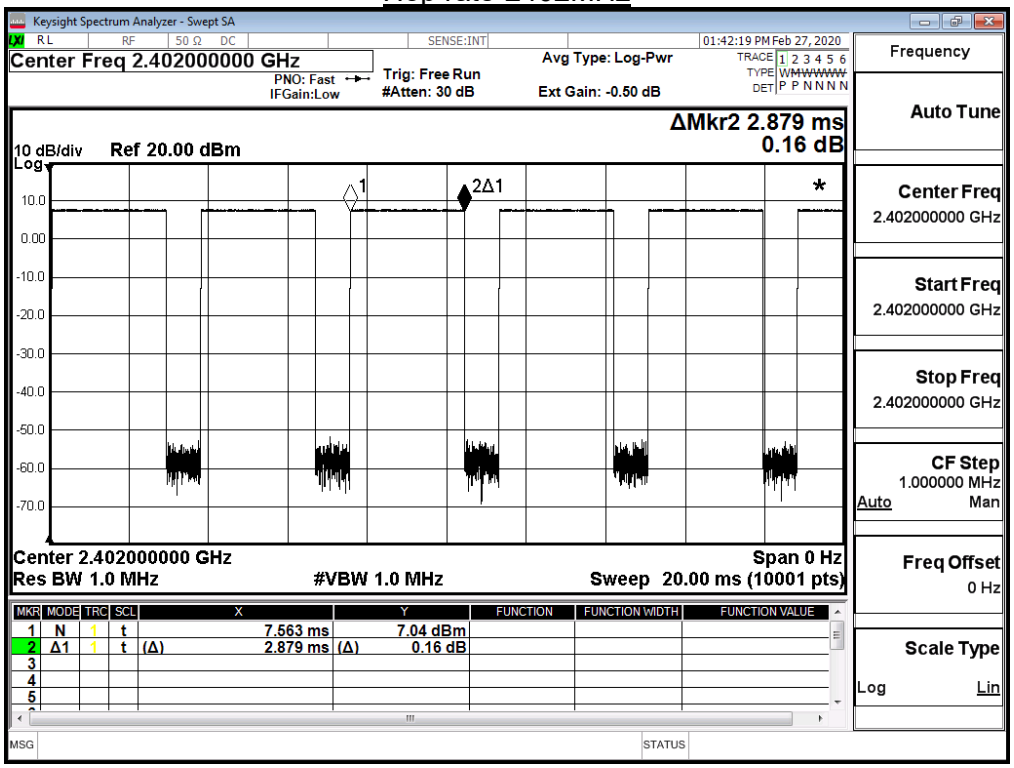
Dwell Time : 0.002881 *(266.67/79)* 31.60= 0.3073 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.879 ms = 0.002879 sec

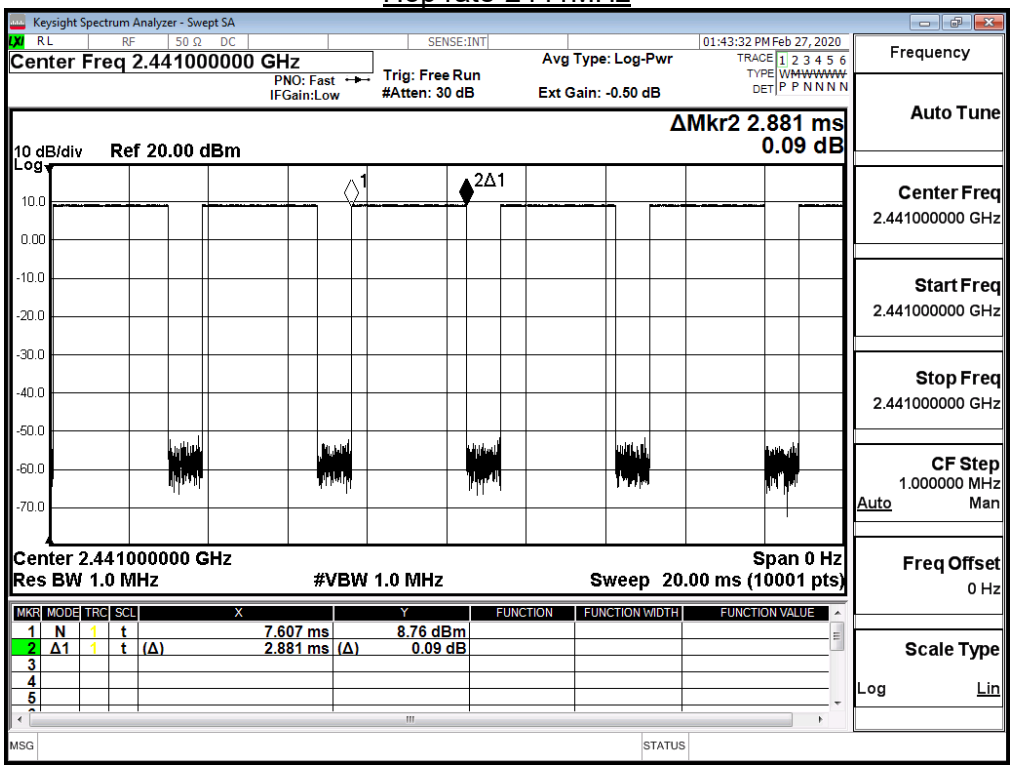
Dwell Time : 0.002879 *(266.67/79)* 31.60= 0.3071 sec。

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

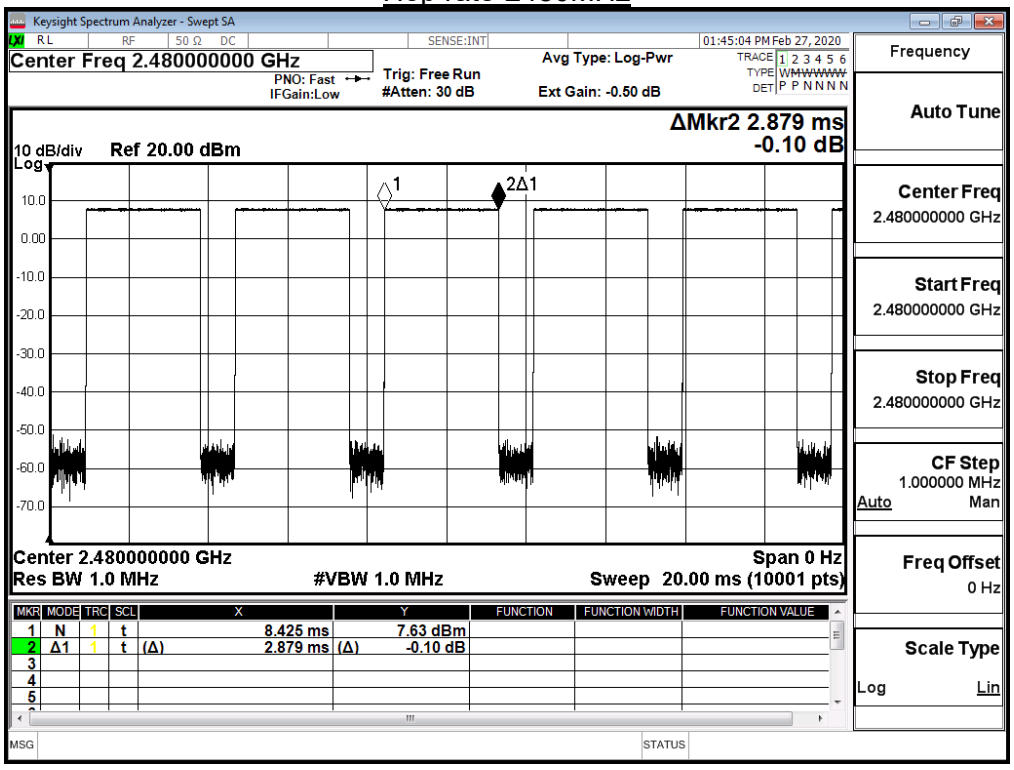
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



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

Product	Android Based UI		
Test Item	Dwell Time		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

π/4-DQPSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.877 ms = 0.002877 sec

Dwell Time : 0.002877 *(266.67/79)* 31.60= 0.3069 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.881 ms = 0.002881 sec

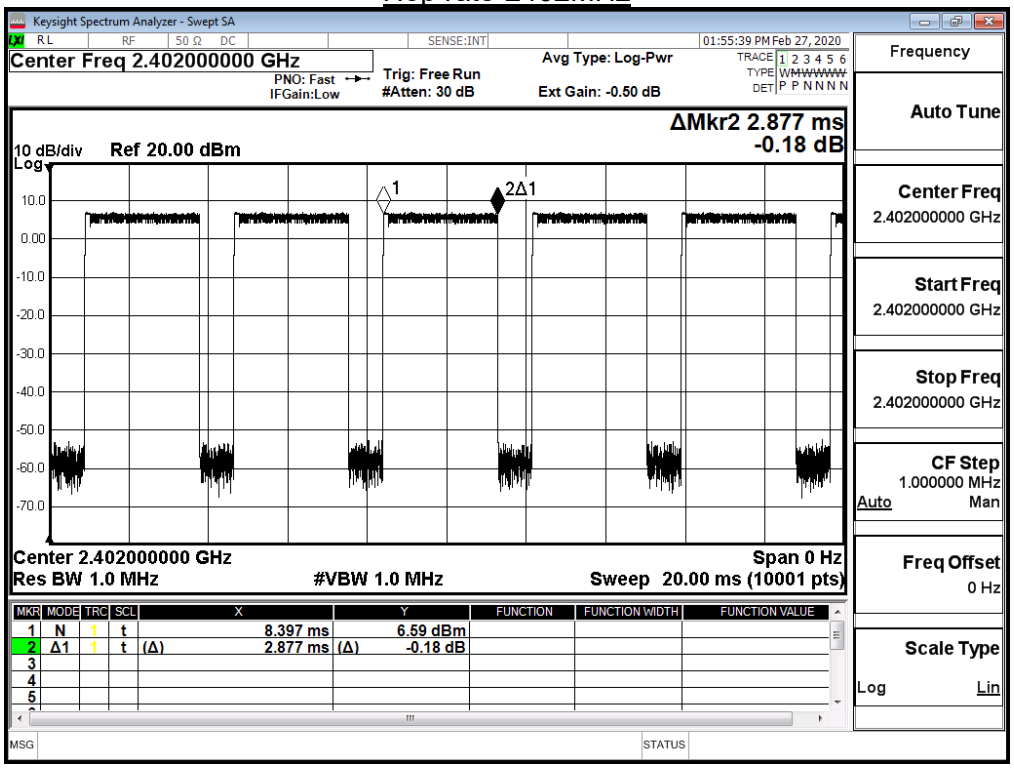
Dwell Time : 0.002881 *(266.67/79)* 31.60= 0.3073 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.873 ms = 0.002873 sec

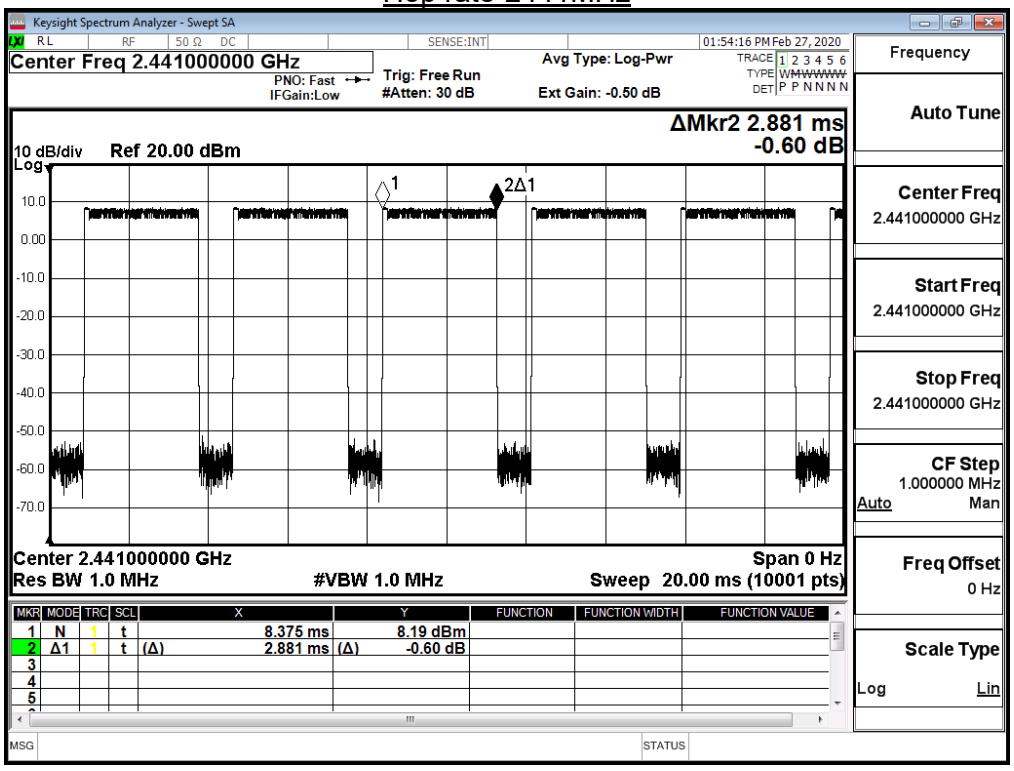
Dwell Time : 0.002873 *(266.67/79)* 31.60= 0.3065 sec。

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

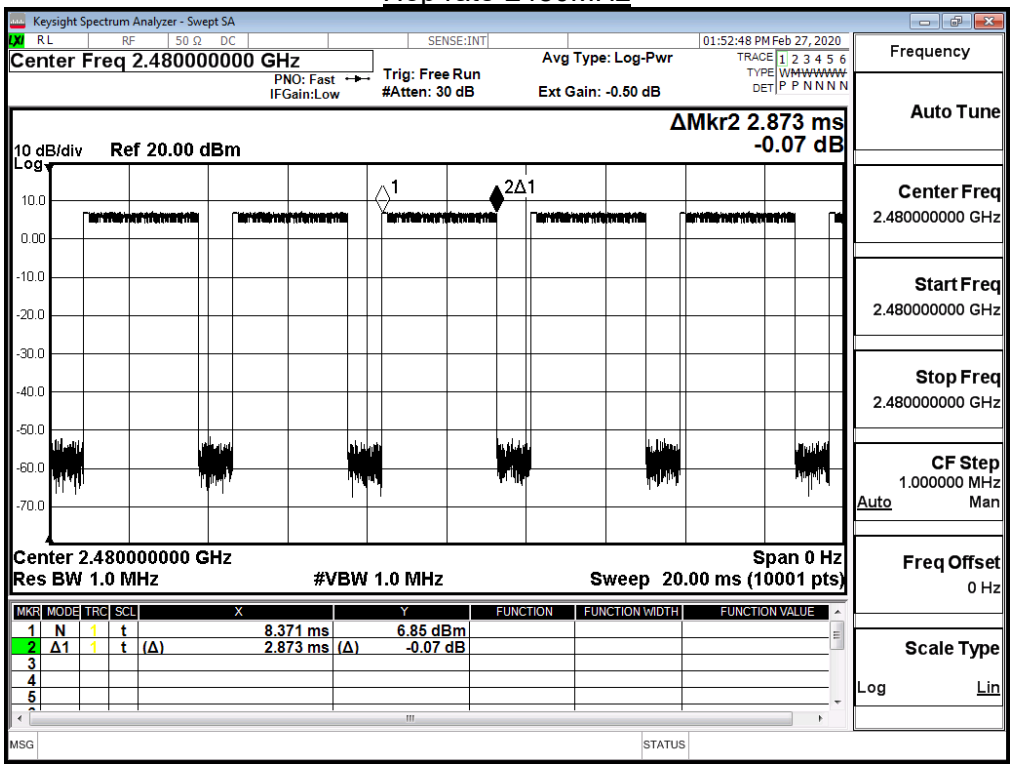
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



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

Product	Android Based UI		
Test Item	Dwell Time		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	56.0%

8-DPSK

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.885 ms = 0.002885 sec

Dwell Time : 0.002885 *(266.67/79)* 31.60= 0.3077 sec。

B) 2441MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.883 ms = 0.002883 sec

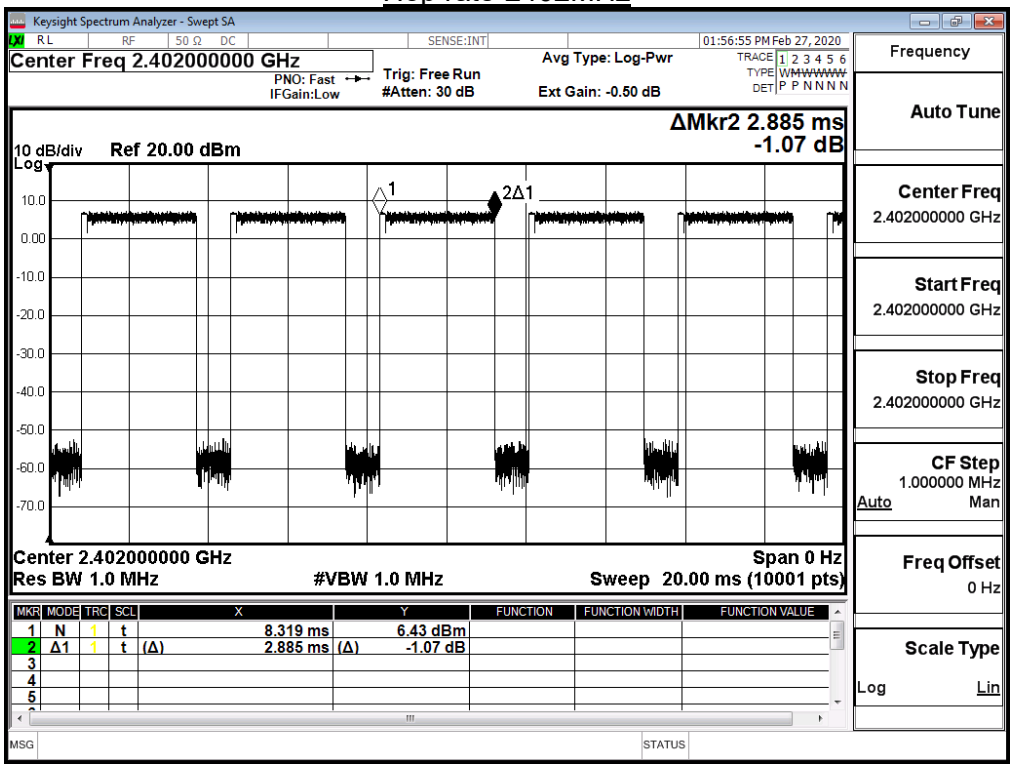
Dwell Time : 0.002883 *(266.67/79)* 31.60= 0.3075 sec。

C) 2480MHz Test Time Period: 0.4*79=31.60sec，Time slot length : 2.885 ms = 0.002885 sec

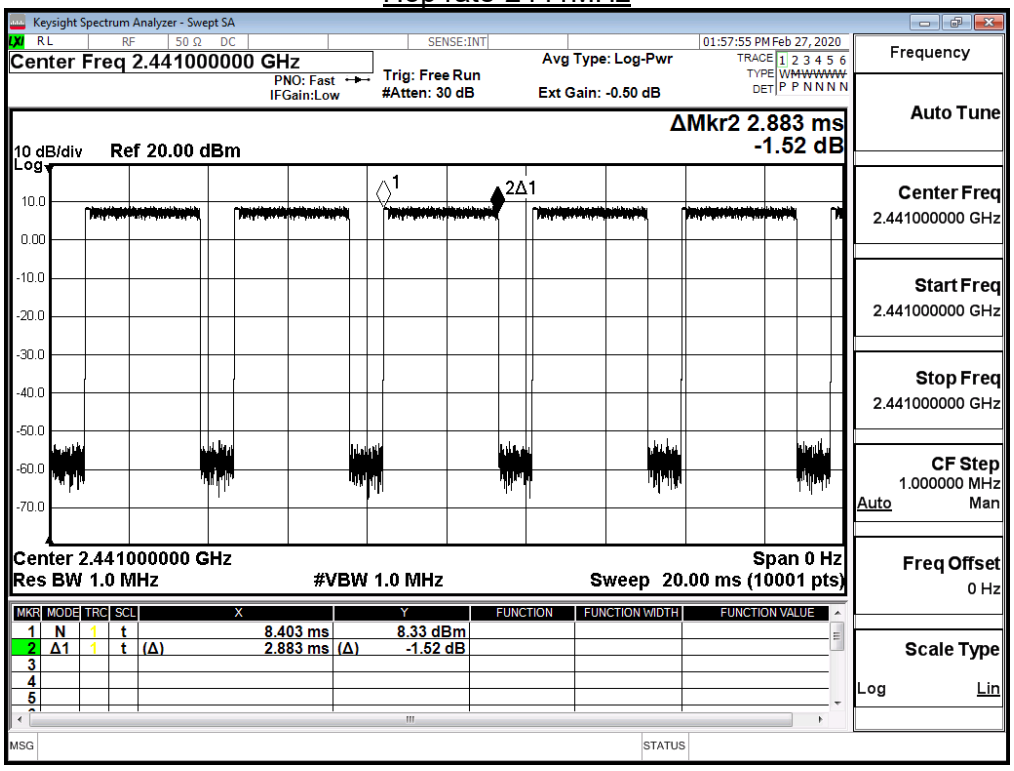
Dwell Time : 0.002885 *(266.67/79)* 31.60= 0.3077 sec。

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

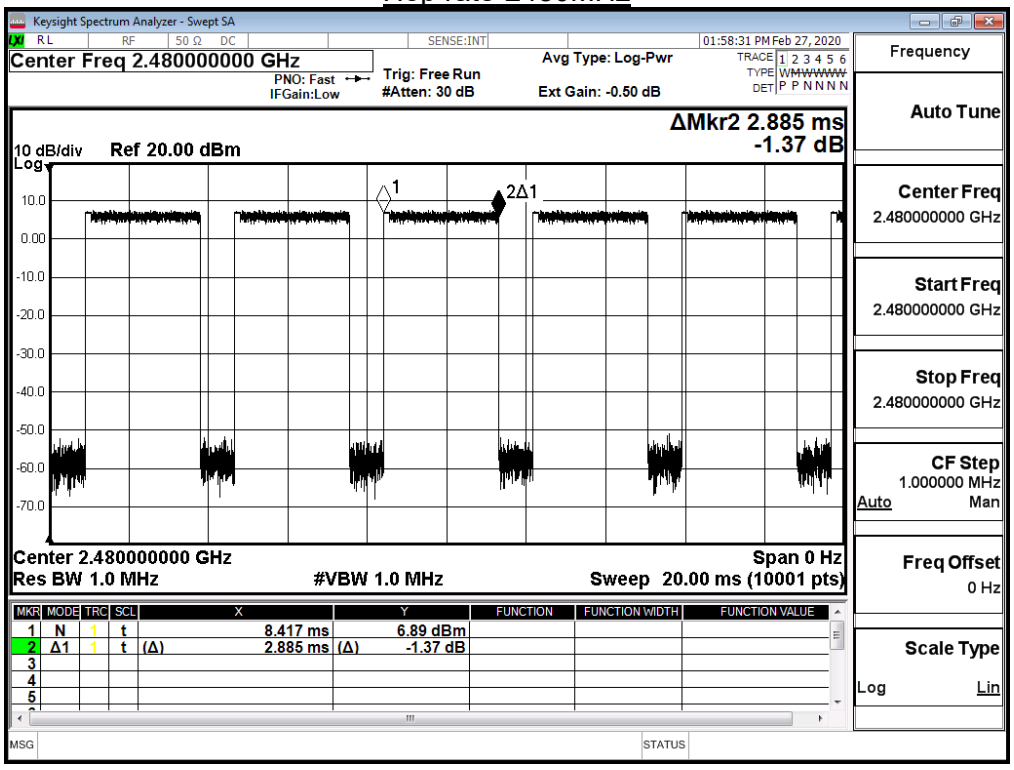
Hop rate-2402MHz



Hop rate-2441MHz



Hop rate-2480MHz



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