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-RFUSP02V00
Report Version ： V1.0

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Test Report Certification

Issued Date : Mar. 17, 2020
Report No. : 2020009R-RFUSP02V00

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 Test 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-RFUSP02V00	V1.0	Initial issue of report	Mar. 17, 2020

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1. General Information

1.1. EUT Description

Product Name	Android Based UI	
Trade Name	PCI	
Model No.	CSD-ELINK2	
Frequency Range/ Channel Number	IEEE 802.11b/g IEEE 802.11n (20MHz)	2412~2462MHz / 11 Channels
Type of Modulation	IEEE 802.11b	Direct Sequence Spread Spectrum
	IEEE 802.11g/n	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps
	IEEE 802.11g	6, 12, 18, 24, 36, 48, 54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 7 and bandwidth defined in 802.11n

Antenna Information	
Antenna Type	Dipole PCB Antenna
Effective Antenna Gain	3.59 dBi

ANT-TX / RX & Bandwidth

ANT-TX / RX	TX		RX	
Mode/ Channel Bandwidth	20MHz	40MHz	20MHz	40MHz
IEEE802.11b	✓		✓	
IEEE802.11g	✓		✓	
IEEE802.11n	✓		✓	

IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

Symbol	Explanation
R	Code rate
N_{BPSC}	Number of coded bits per single carrier
N_{CBPS}	Number of coded bits per symbol
N_{DBPS}	Number of data bits per symbol
GI	guard interval

IEEE 802.11b/g, IEEE 802.11n (20MHz)

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

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. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
3. 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.
4. The EUT description is from the customer declaration.

1.2. Test Mode

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

Test Mode	Mode 1: Transmit Mode

Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(20MHz)	6	0	N/A
Maximum peak conducted output power	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
Radiated Emission	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
RF antenna conducted test	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
Radiated Emission Band Edge	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
DTS Bandwidth	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
Occupied Bandwidth	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	Complies
Power Density	11b/g	1/6/11	0	Complies
	11n(20MHz)	1/6/11	0	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 equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
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	20	--
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	25	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	65	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission Band Edge	15 - 35	25	2
Humidity (%RH)		25 - 75	48	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth & DTS Bandwidth	15 - 35	25	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	25	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 / CB2H

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

Radiated Emission 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

DTS 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

Occupied 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

Power Density / SR12-H

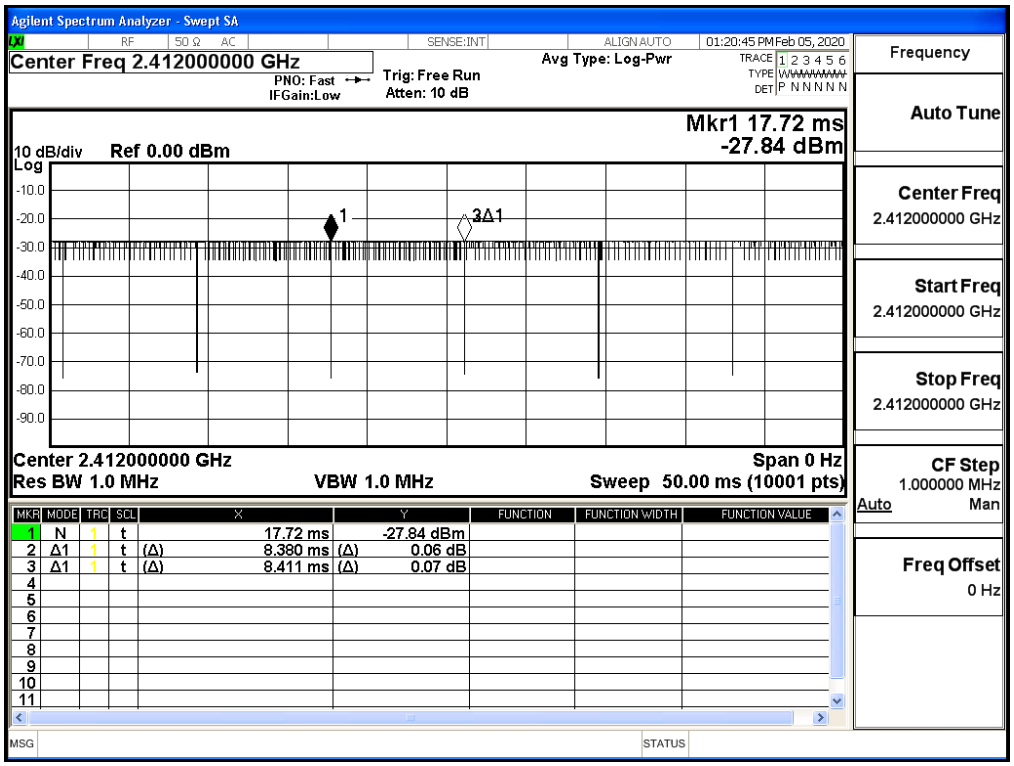
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2019/06/18	2020/06/17
Spectrum Analyzer	Keysight	N9010B	MY57110159	2019/05/03	2020/05/02
Spectrum Analyzer	Agilent	N9010A	US47140172	2019/06/28	2020/06/27
Signal & Spectrum Analyzer	R&S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

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

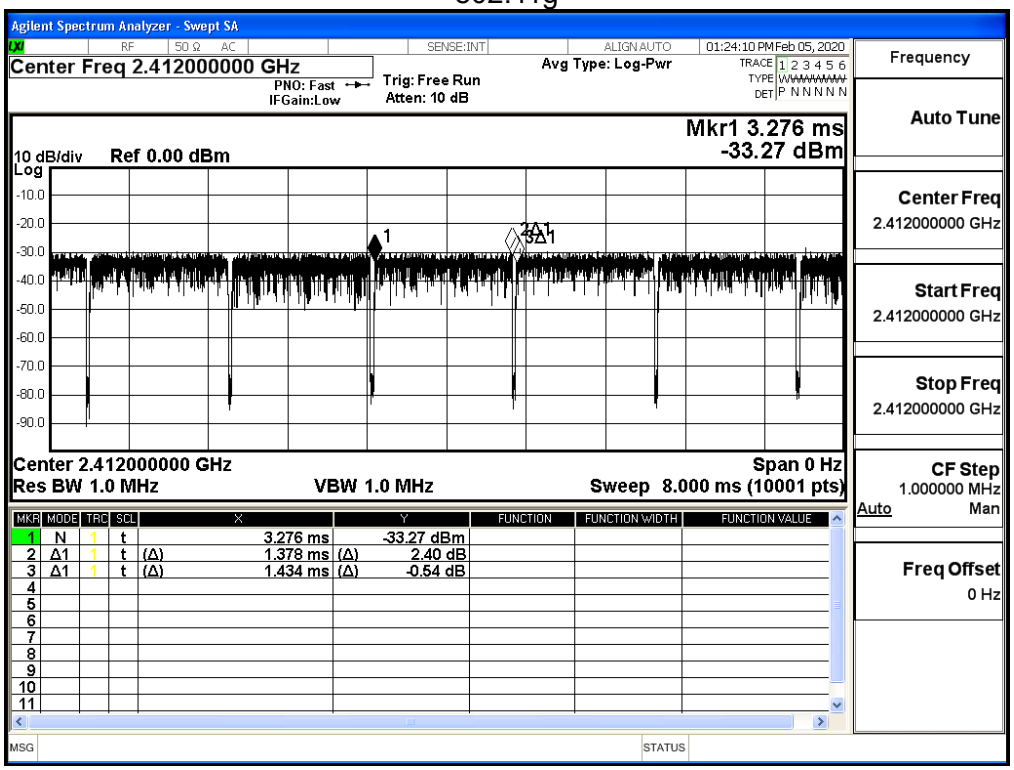
1.8. Duty Cycle

Mode	On Time(ms)	On+Off Time(ms)	Duty Cycle(%)	Duty Factor(dB) linear voltage	Duty Factor(dB) Power	1/T Minimum VBW (kHz)
b	8.380	8.411	99.63%	0.032072	0.02	0.010
g	1.378	1.434	96.09%	0.345999	0.17	0.726
HT20	1.290	1.336	96.56%	0.304335	0.15	0.775

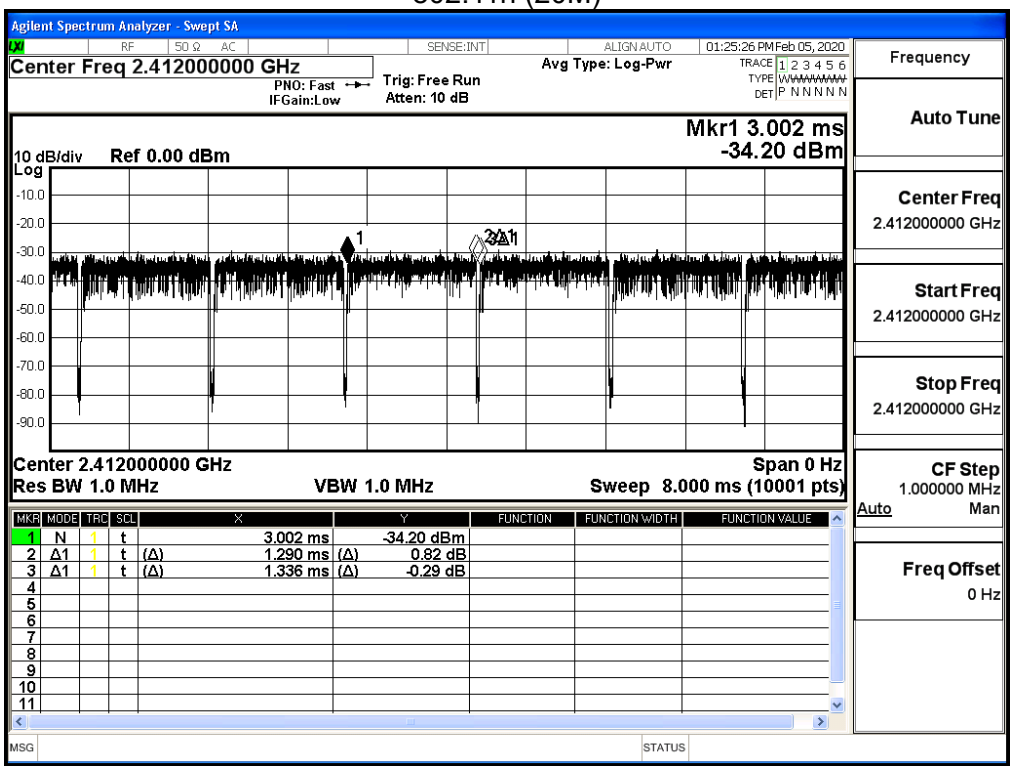
802.11b



802.11g



802.11n (20M)

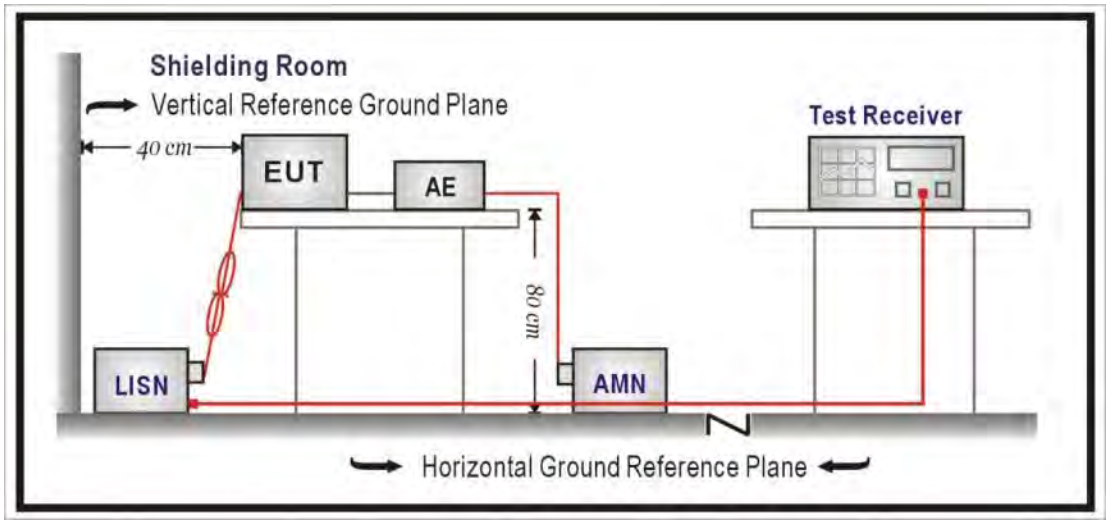


1.9. Uncertainty

Test item	Uncertainty
Maximum peak conducted output power	± 1.27 dB
Radiated Emission	30MHz～1GHz as ± 3.43 dB 1GHz～26.5GHz as ± 3.65 dB
RF antenna conducted test	± 1.27dB
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	± 50 Hz
Occupied Bandwidth	± 50 Hz
Power Density	± 1.27 dB

2. Conducted Emission

2.1. Test Setup



2.2. Limits

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

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

2.3. Test Procedure

The EUT was setup according to ANSI C63.4: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.4. Test Specification

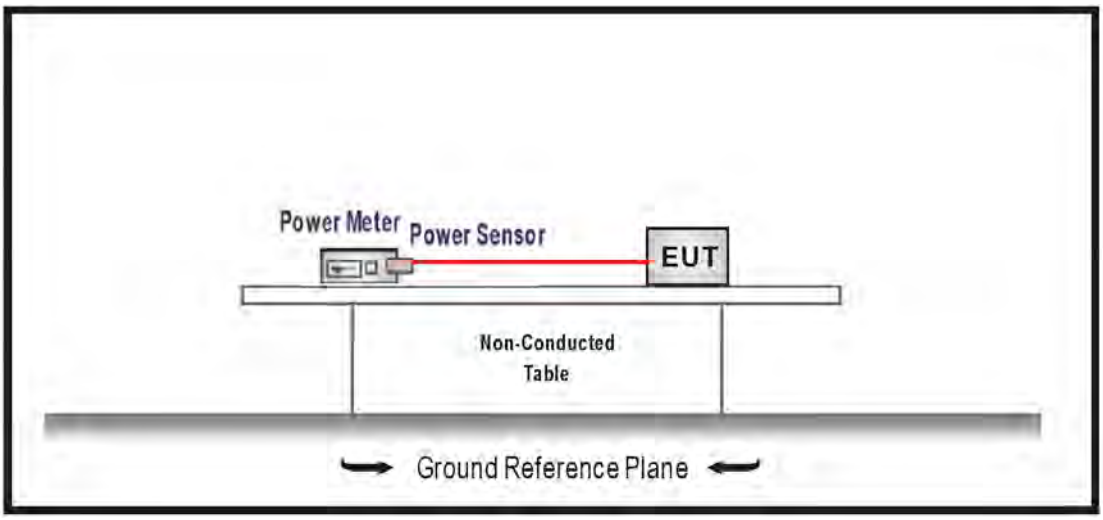
According to FCC Part 15 Subpart C Paragraph 15.207: 2018

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 tested according to DTS test procedure section 9.1.2 of KDB 558074 D01 V05 Measurement to FCC 47CFR 15.247 requirements.

3.3. Limits

The maximum peak power shall be less 1 Watt.

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	58.0%

IEEE 802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	12.29	≦30
6	2437	14.35	≦30
11	2462	16.36	≦30

The worst emission of data rate is 1 Mbps

Maximum peak conducted output power (dBm)						
Channel No.	Frequency (MHz)	Data Rate (Mbps)				Limit (dBm)
		1	2	5.5	11	
1	2412	12.290	--	--	--	≦30
6	2437	14.350	14.200	14.050	13.910	≦30
11	2462	16.360	--	--	--	≦30

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	58.0%

IEEE 802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	15.06	≦30
6	2437	20.74	≦30
11	2462	13.20	≦30

The worst emission of data rate is 6Mbps

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	Data Rate (Mbps)								Limit (dBm)
		6	9	12	18	24	36	48	54	
1	2412	15.060	--	--	--	--	--	--	--	≦30
6	2437	20.740	20.600	20.470	20.340	20.210	20.080	19.950	19.810	≦30
11	2462	13.200	--	--	--	--	--	--	--	≦30

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	58.0%

IEEE 802.11n20M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
1	2412	15.84	≦30
6	2437	20.34	≦30
11	2462	13.18	≦30

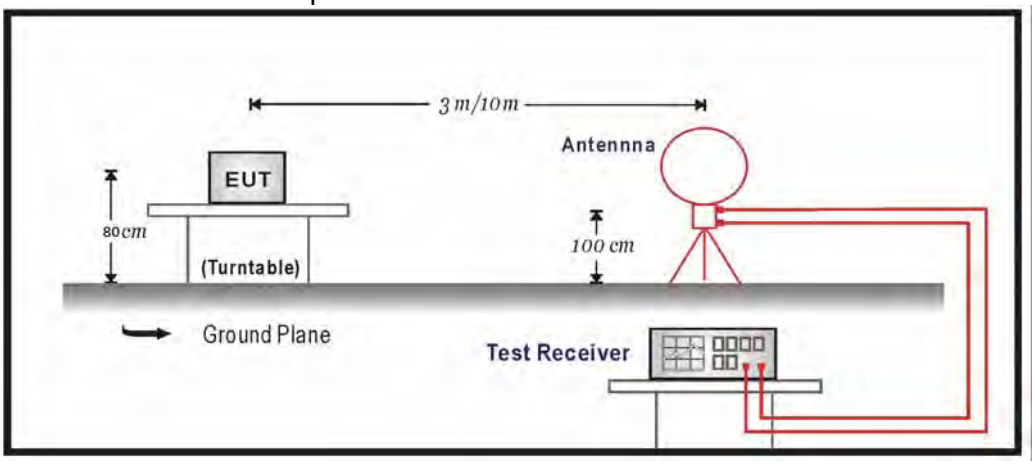
The worst emission of data rate is MCS 0

Maximum peak conducted output power (dBm)										
Channel No	Frequency (MHz)	MCS Index								Limit (dBm)
		0	1	2	3	4	5	6	7	
1	2412	15.840	--	--	--	--	--	--	--	≦30
6	2437	20.340	20.200	20.050	19.920	19.770	19.640	19.510	19.370	≦30
11	2462	13.180	--	--	--	--	--	--	--	≦30

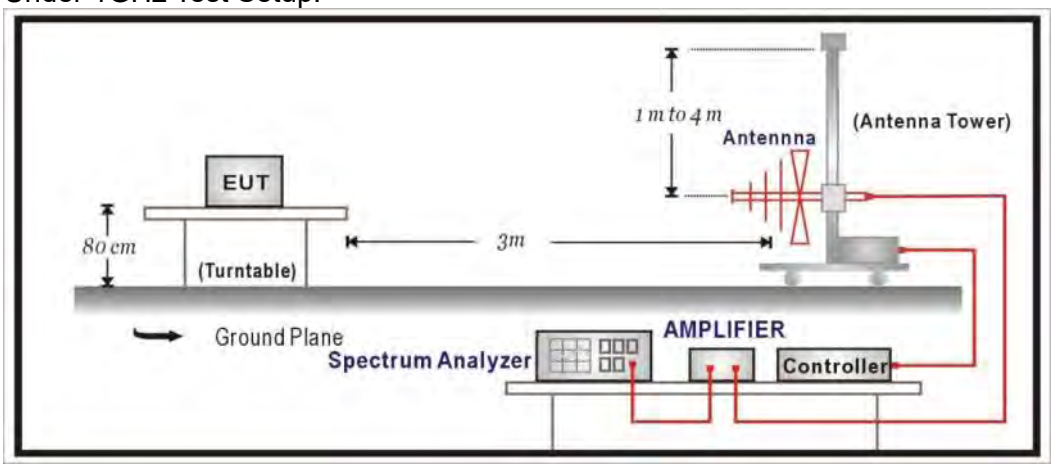
4. Radiated Emission

4.1. Test Setup

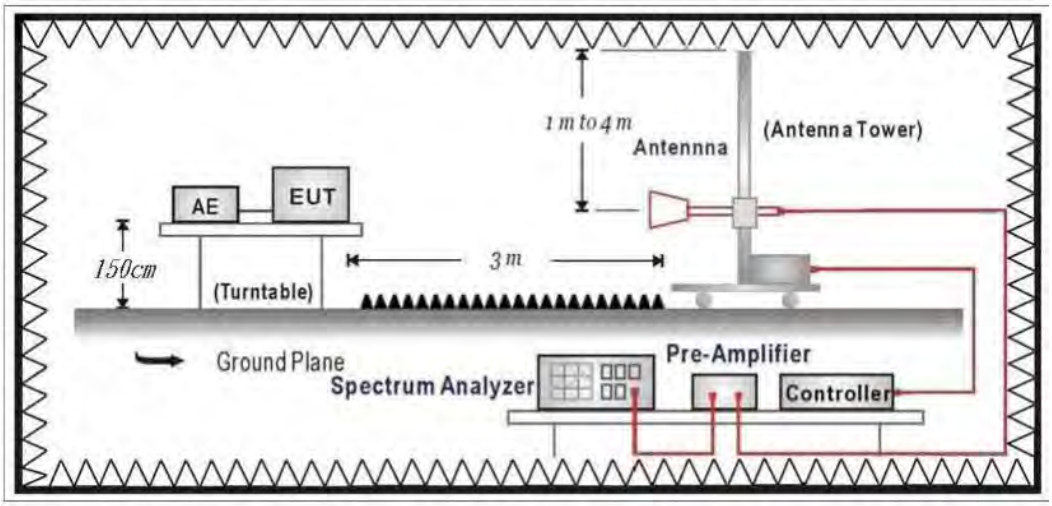
Under 30MHz Test Setup:



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

4.3. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to DTS test procedure of KDB 558074 D01 V05 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(under 1GHz) or 1.5 meter above ground (above 1GHz). The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

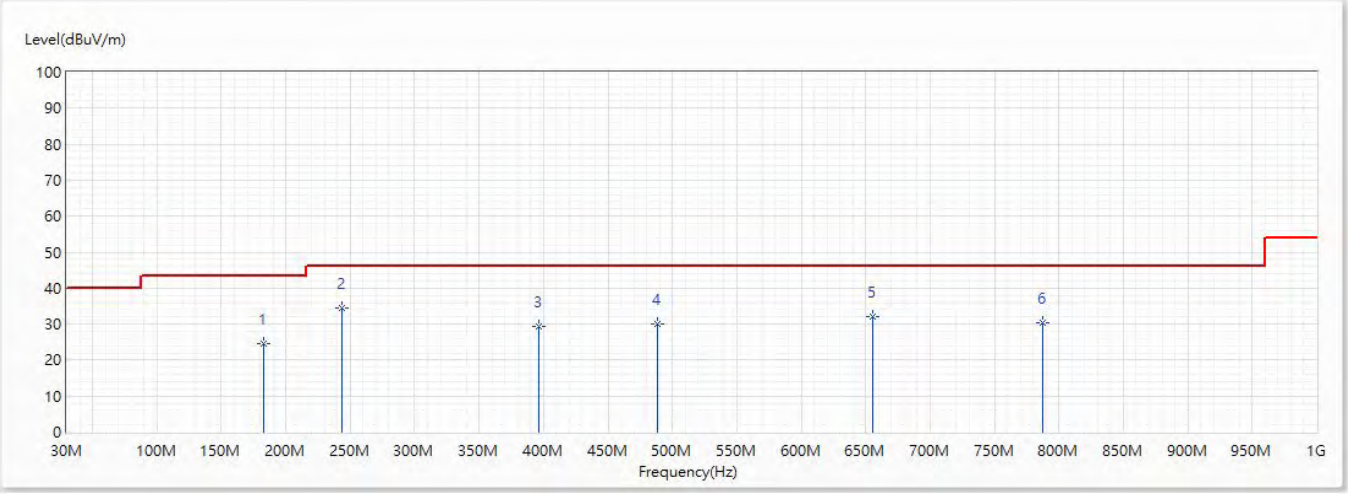
4.4. Test Specification

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	2020/3/10
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2437MHz	Humidity (%RH)	51.0

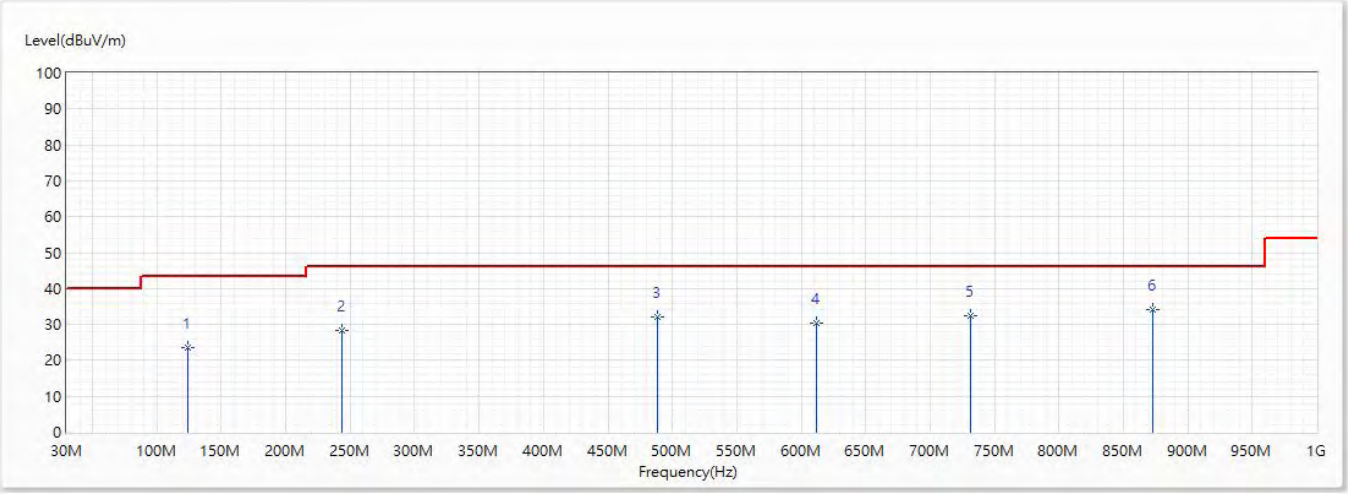


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	183.018	24.65	43.50	-18.85	29.39	-4.74	QP
* 2	244.006	34.48	46.00	-11.52	36.16	-1.68	QP
3	396.539	29.35	46.00	-16.65	26.61	2.74	QP
4	487.961	30.15	46.00	-15.85	25.70	4.45	QP
5	655.044	32.03	46.00	-13.97	25.47	6.56	QP
6	787.691	30.35	46.00	-15.65	22.18	8.17	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are low than 20dB from Limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/10
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11b_2437MHz	Humidity (%RH)	51.0

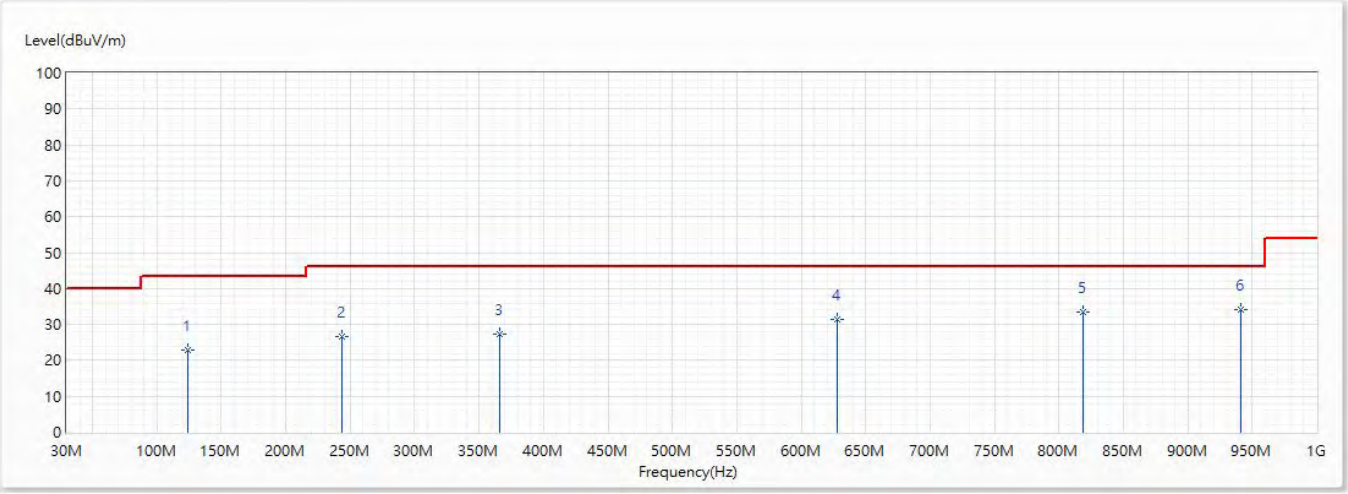


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	123.605	23.61	43.50	-19.89	25.47	-1.86	QP
2	244.006	28.30	46.00	-17.70	29.98	-1.68	QP
3	487.961	32.25	46.00	-13.75	27.80	4.45	QP
4	611.636	30.42	46.00	-15.58	24.32	6.10	QP
5	731.31	32.46	46.00	-13.54	25.02	7.44	QP
* 6	872.93	34.21	46.00	-11.79	25.01	9.20	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are low than 20dB from Limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/10
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2437MHz	Humidity (%RH)	51.0

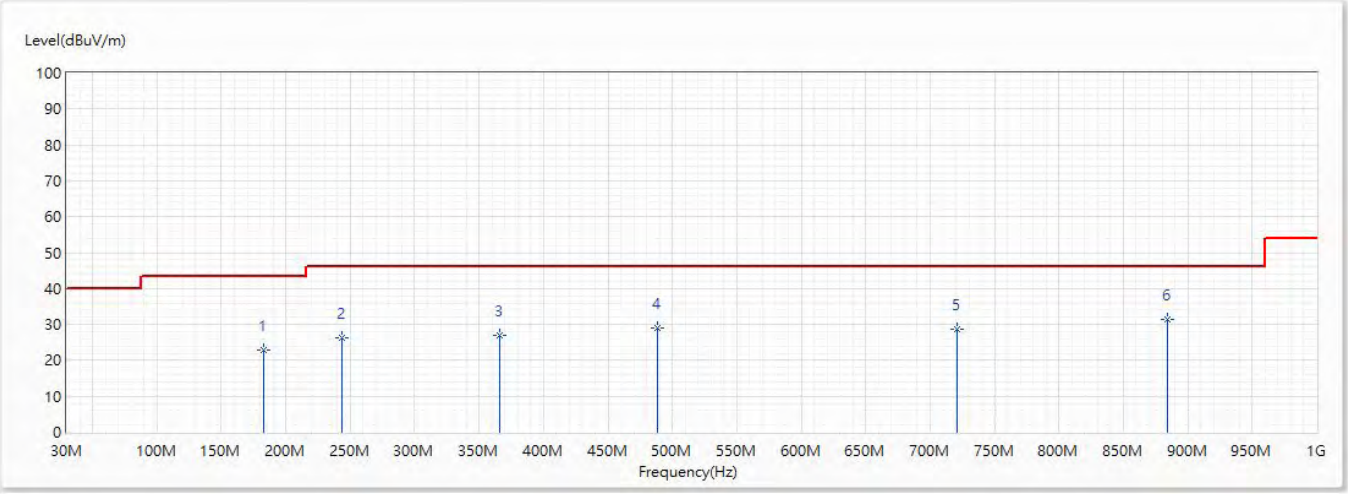


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	123.848	22.89	43.50	-20.61	24.76	-1.87	QP
2	244.006	26.77	46.00	-19.23	28.45	-1.68	QP
3	365.984	27.40	46.00	-18.60	25.65	1.75	QP
4	627.884	31.35	46.00	-14.65	25.06	6.29	QP
5	818.246	33.50	46.00	-12.50	24.98	8.52	QP
* 6	941.558	34.18	46.00	-11.82	23.97	10.21	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are low than 20dB from Limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/10
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11g_2437MHz	Humidity (%RH)	51.0

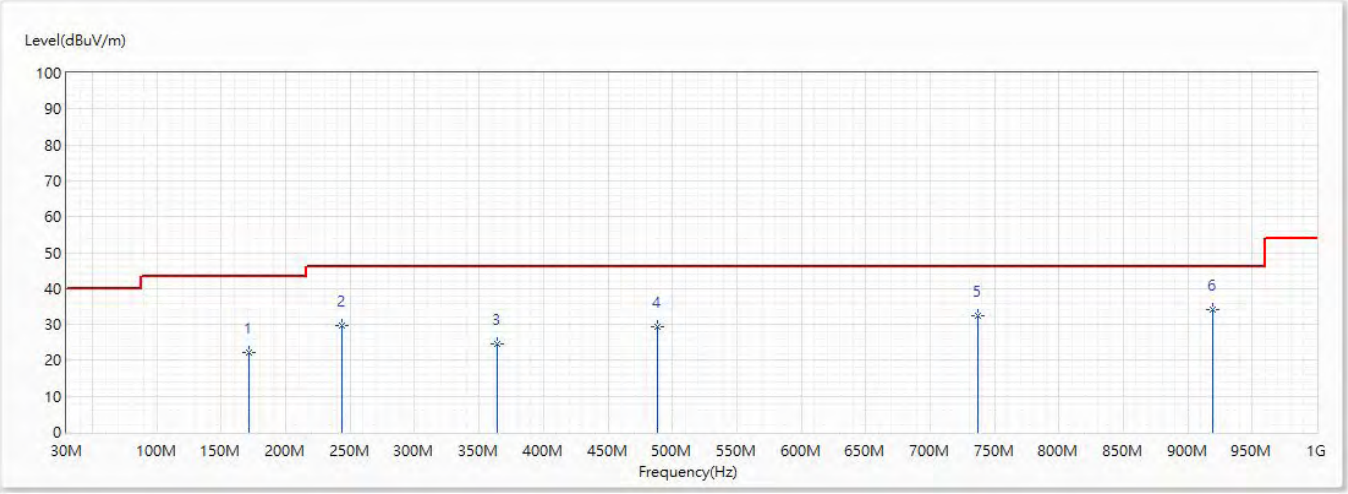


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	183.018	22.93	43.50	-20.57	27.67	-4.74	QP
2	244.006	26.42	46.00	-19.58	28.10	-1.68	QP
3	365.984	27.07	46.00	-18.93	25.32	1.75	QP
4	487.961	29.07	46.00	-16.93	24.62	4.45	QP
5	721.246	28.66	46.00	-17.34	21.36	7.30	QP
* 6	884.57	31.27	46.00	-14.73	21.91	9.36	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are low than 20dB from Limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/10
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11n(20)_2437MHz	Humidity (%RH)	51.0

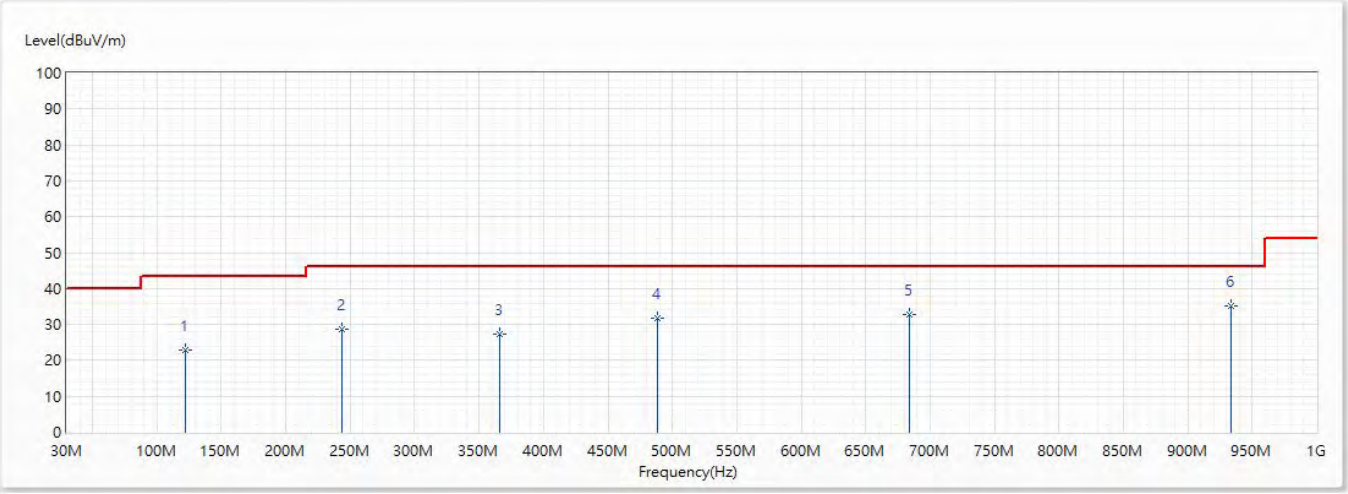


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	171.741	22.16	43.50	-21.34	26.44	-4.28	QP
2	244.006	29.70	46.00	-16.30	31.38	-1.68	QP
3	364.044	24.55	46.00	-21.45	22.87	1.68	QP
4	488.083	29.42	46.00	-16.58	24.97	4.45	QP
5	737.494	32.52	46.00	-13.48	24.99	7.53	QP
* 6	919.49	34.16	46.00	-11.84	24.32	9.84	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are low than 20dB from Limit.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/3/10
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11n(20)_2437MHz	Humidity (%RH)	51.0



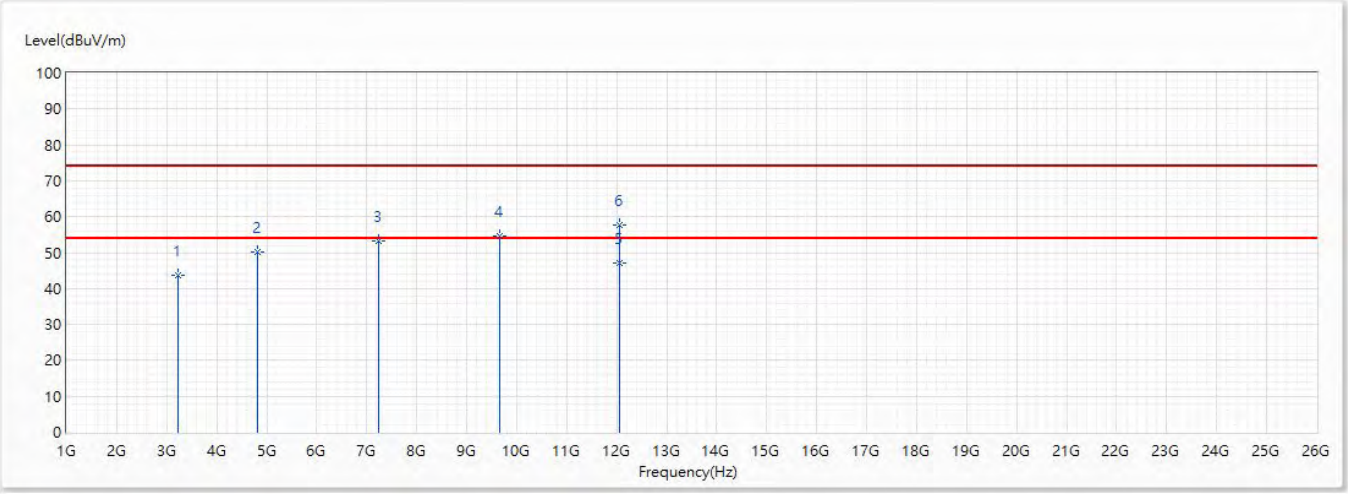
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	122.15	22.78	43.50	-20.72	24.59	-1.81	QP
2	244.006	28.71	46.00	-17.29	30.39	-1.68	QP
3	365.984	27.32	46.00	-18.68	25.57	1.75	QP
4	487.961	31.71	46.00	-14.29	27.26	4.45	QP
5	683.78	32.72	46.00	-13.28	25.84	6.88	QP
* 6	933.434	35.32	46.00	-10.68	25.24	10.08	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are low than 20dB from Limit.

Above 1GHz Spurious

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/26
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2412MHz	Humidity (%RH)	51.0

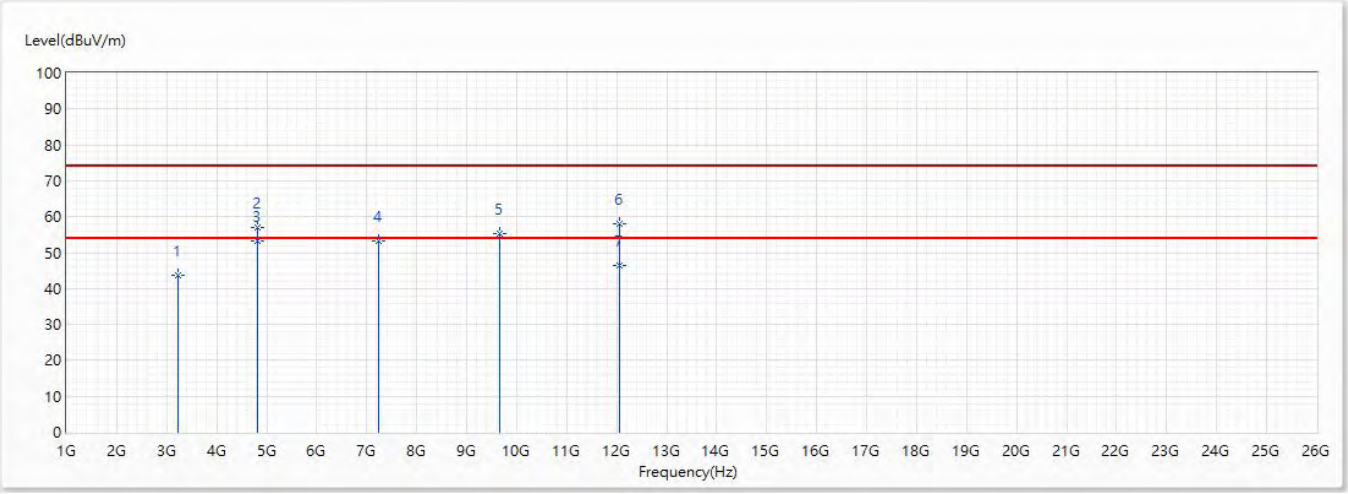


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3216	43.52	74.00	-30.48	60.83	-17.31	PK
2	4824	50.29	74.00	-23.71	61.77	-11.48	PK
3	7236	53.41	74.00	-20.59	56.54	-3.13	PK
4	9648	54.64	74.00	-19.36	53.78	0.86	PK
* 5	12060	47.05	54.00	-6.95	41.69	5.36	AV
6	12060	57.70	74.00	-16.30	52.34	5.36	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/26
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11b_2412MHz	Humidity (%RH)	51.0

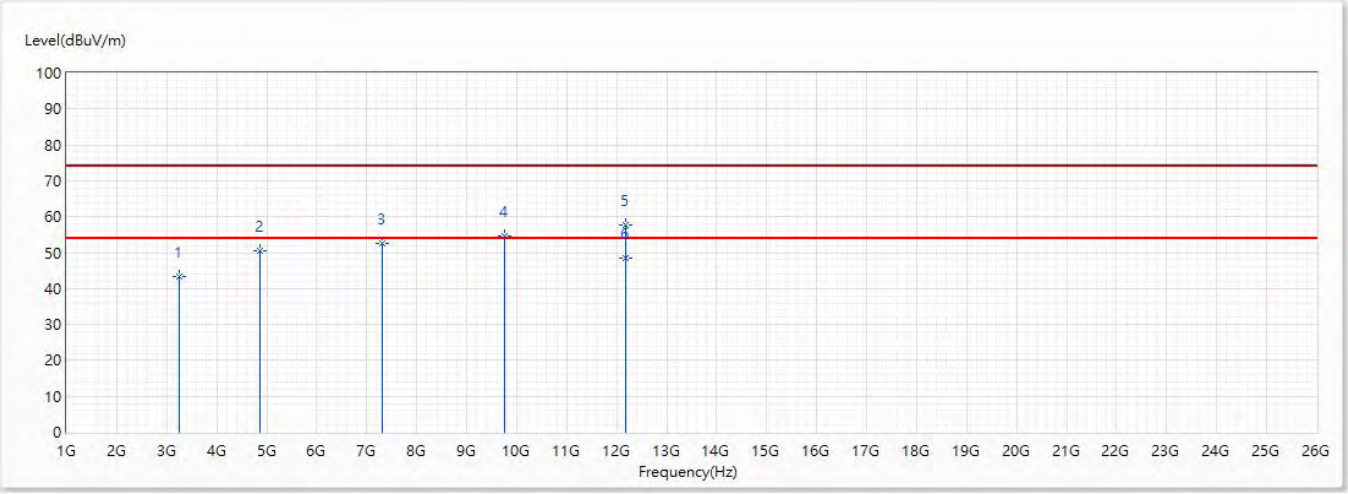


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3216	43.59	74.00	-30.41	60.90	-17.31	PK
2	4824	56.95	74.00	-17.05	68.43	-11.48	PK
* 3	4824	53.24	54.00	-0.76	64.72	-11.48	AV
4	7236	53.12	74.00	-20.88	56.25	-3.13	PK
5	9648	55.16	74.00	-18.84	54.30	0.86	PK
6	12060	58.04	74.00	-15.96	52.68	5.36	PK
7	12060	46.55	54.00	-7.45	41.19	5.36	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/26
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2437MHz	Humidity (%RH)	51.0

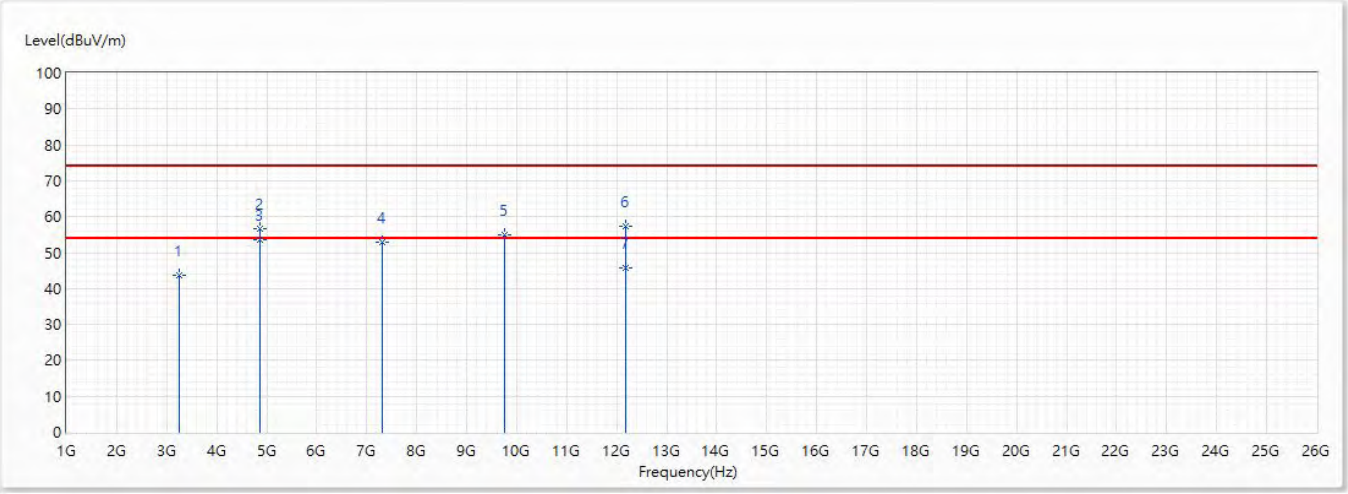


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3249.333	43.43	74.00	-30.57	60.67	-17.24	PK
2	4874	50.51	74.00	-23.49	61.82	-11.31	PK
3	7311	52.47	74.00	-21.53	55.36	-2.89	PK
4	9748	54.75	74.00	-19.25	53.82	0.93	PK
5	12185	57.75	74.00	-16.25	52.65	5.10	PK
* 6	12185	48.51	54.00	-5.49	43.41	5.10	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/26
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	21.2
Test Condition	802.11b_2437MHz	Humidity (%RH)	56.0

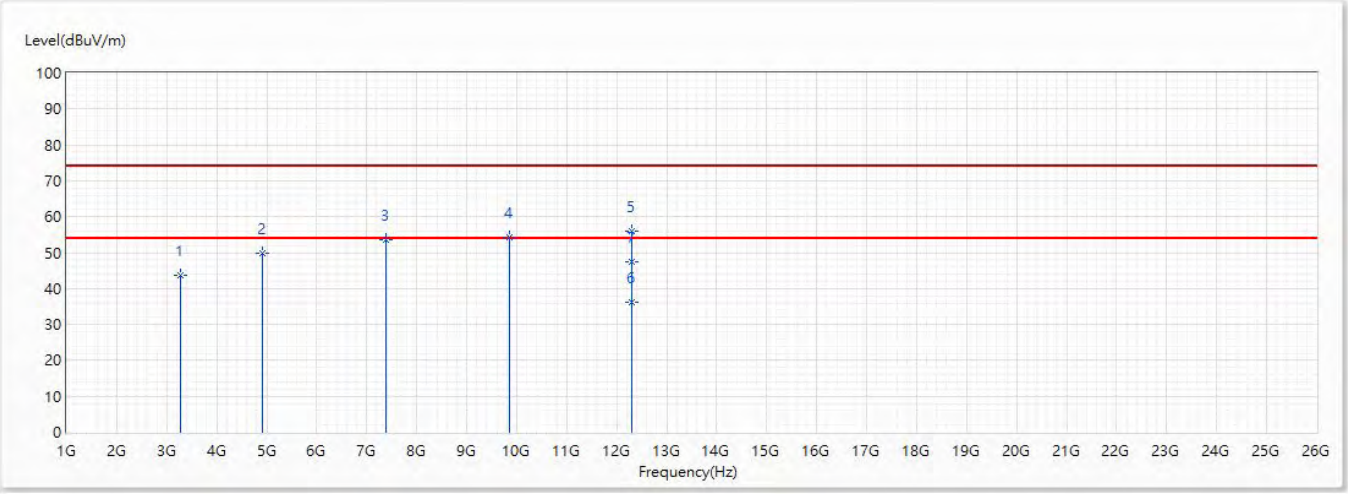


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3249.333	43.71	74.00	-30.29	60.95	-17.24	PK
2	4874	56.77	74.00	-17.23	68.08	-11.31	PK
* 3	4874	53.55	54.00	-0.45	64.86	-11.31	AV
4	7311	53.07	74.00	-20.93	55.96	-2.89	PK
5	9748	55.06	74.00	-18.94	54.13	0.93	PK
6	12185	57.46	74.00	-16.54	52.36	5.10	PK
7	12185	45.88	54.00	-8.12	40.78	5.10	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/26
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2462MHz	Humidity (%RH)	51.0

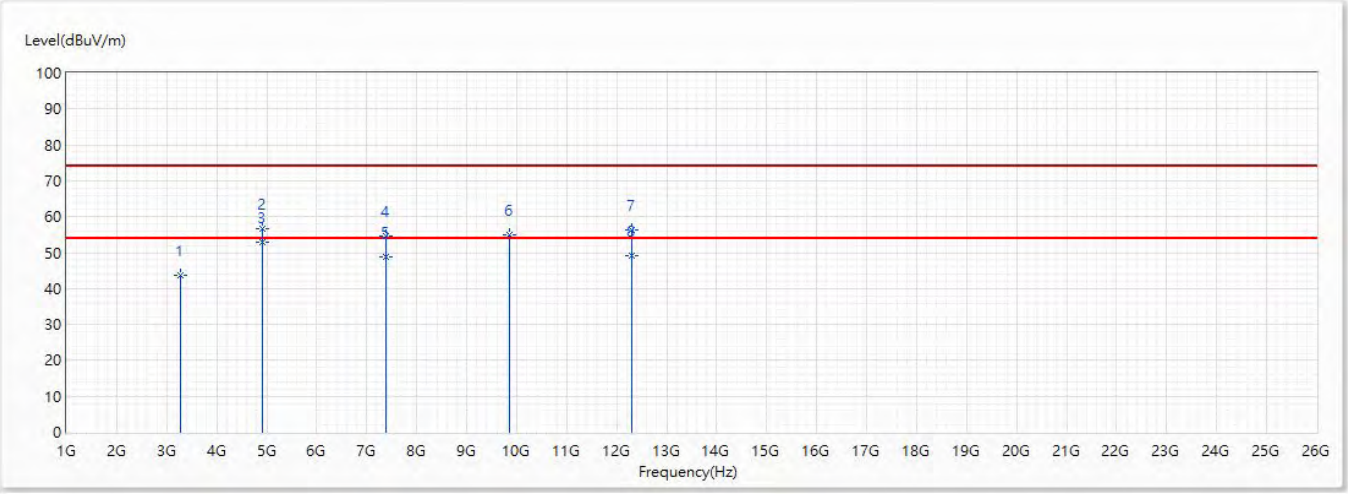


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3282.667	43.57	74.00	-30.43	60.72	-17.15	PK
2	4924	49.84	74.00	-24.16	61.02	-11.18	PK
3	7386	53.64	74.00	-20.36	56.14	-2.50	PK
4	9848	54.39	74.00	-19.61	53.33	1.06	PK
5	12310	56.05	74.00	-17.95	51.43	4.62	PK
6	12310	36.05	54.00	-17.95	31.43	4.62	AV
* 7	12310	47.55	54.00	-6.45	42.93	4.62	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/26
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	21.2
Test Condition	802.11b_2462MHz	Humidity (%RH)	56.0

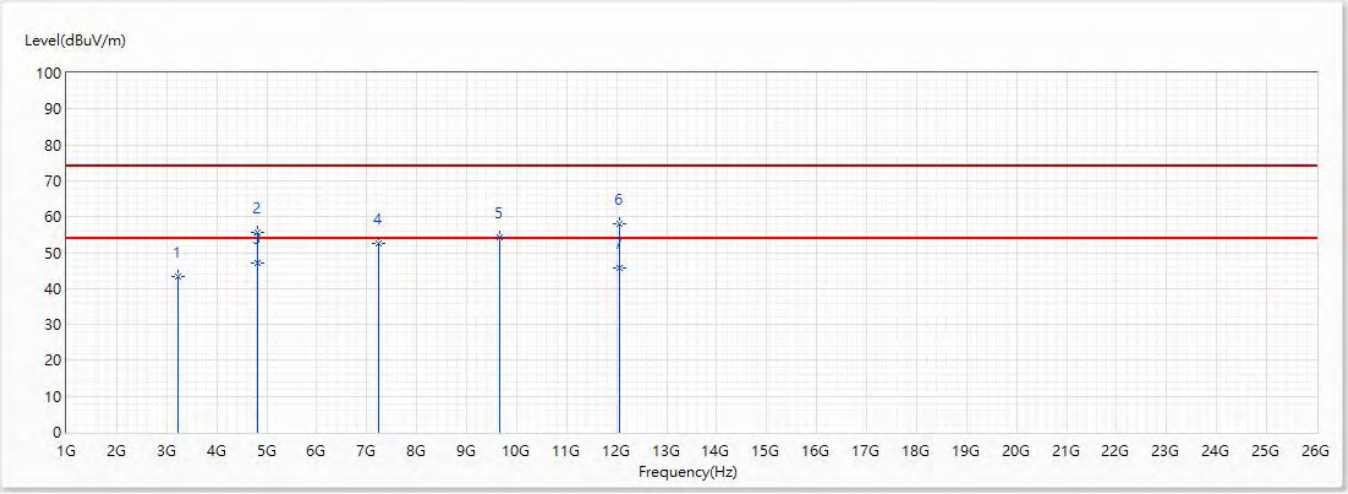


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3282.667	43.59	74.00	-30.41	60.74	-17.15	PK
2	4924	56.64	74.00	-17.36	67.82	-11.18	PK
* 3	4924	52.76	54.00	-1.24	63.94	-11.18	AV
4	7386	54.61	74.00	-19.39	57.11	-2.50	PK
5	7386	48.77	54.00	-5.23	51.27	-2.50	AV
6	9848	55.03	74.00	-18.97	53.97	1.06	PK
7	12310	56.29	74.00	-17.71	51.67	4.62	PK
8	12310	49.11	54.00	-4.89	44.49	4.62	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/26
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2412MHz	Humidity (%RH)	51.0

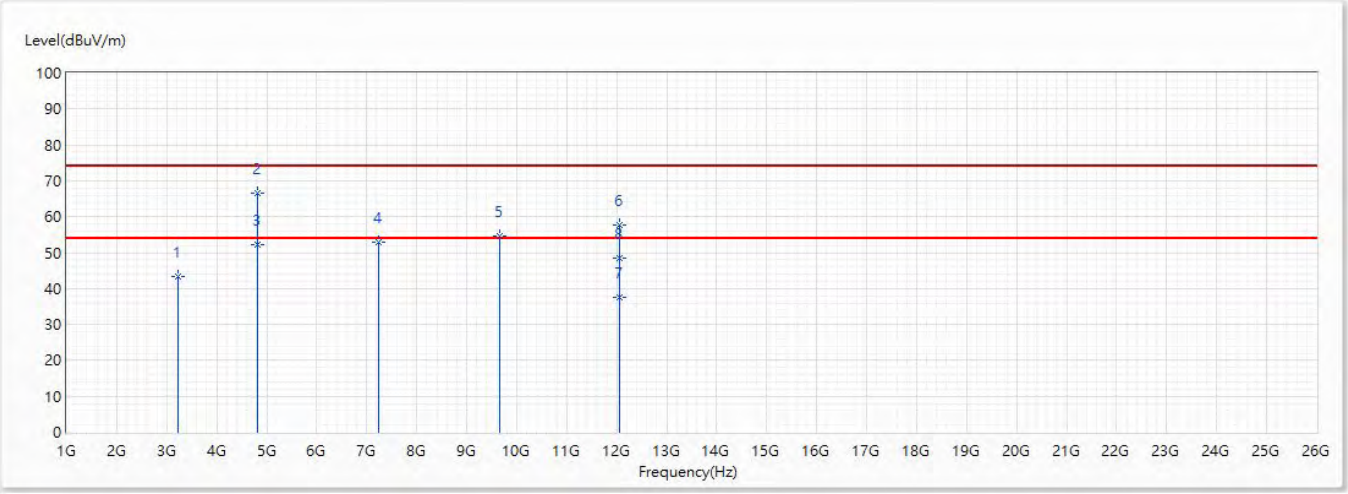


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3216	43.48	74.00	-30.52	60.79	-17.31	PK
2	4824	55.71	74.00	-18.29	67.19	-11.48	PK
* 3	4824	47.11	54.00	-6.89	58.59	-11.48	AV
4	7236	52.43	74.00	-21.57	55.56	-3.13	PK
5	9648	54.39	74.00	-19.61	53.53	0.86	PK
6	12060	58.00	74.00	-16.00	52.64	5.36	PK
7	12060	45.66	54.00	-8.34	40.30	5.36	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/26
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	21.2
Test Condition	802.11g_2412MHz	Humidity (%RH)	56.0

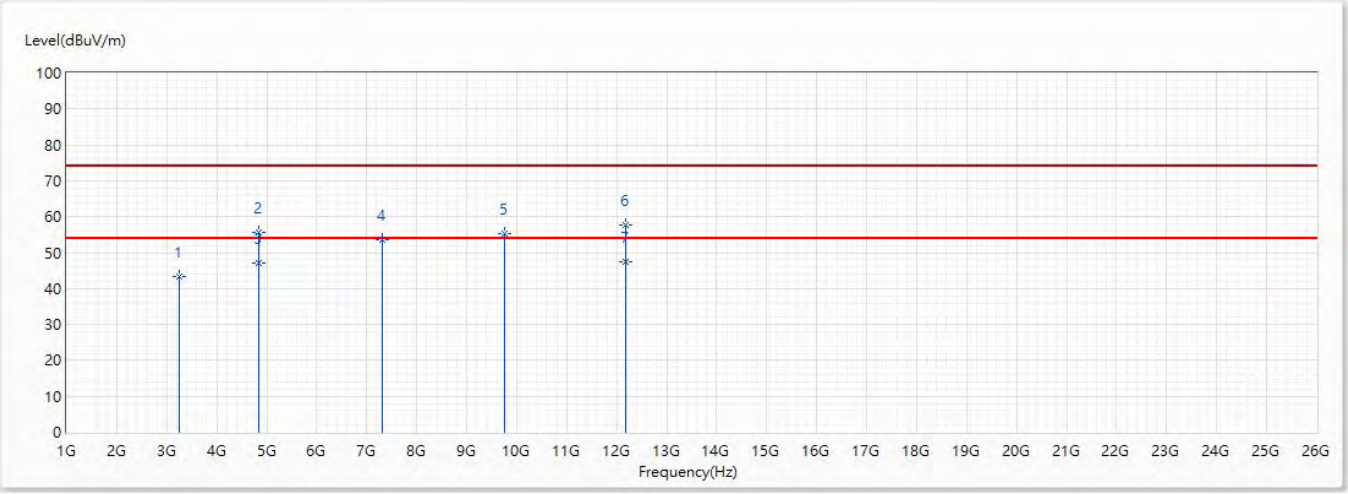


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3216	43.29	74.00	-30.71	60.60	-17.31	PK
2	4824	66.63	74.00	-7.37	78.11	-11.48	PK
* 3	4824	52.14	54.00	-1.86	63.62	-11.48	AV
4	7236	52.93	74.00	-21.07	56.06	-3.13	PK
5	9648	54.50	74.00	-19.50	53.64	0.86	PK
6	12060	57.59	74.00	-16.41	52.23	5.36	PK
7	12060	37.59	54.00	-16.41	32.23	5.36	AV
8	12060	48.55	54.00	-5.45	43.19	5.36	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2437MHz	Humidity (%RH)	51.0

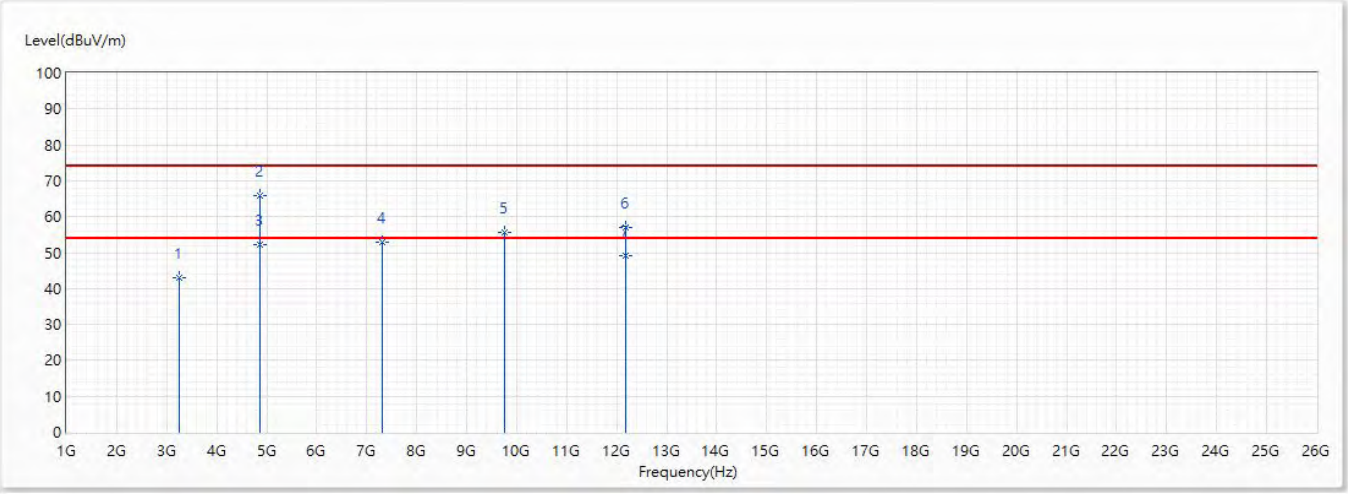


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3249.333	43.50	74.00	-30.50	60.74	-17.24	PK
2	4847	55.73	74.00	-18.27	67.12	-11.39	PK
3	4847	47.11	54.00	-6.89	58.50	-11.39	AV
4	7311	53.58	74.00	-20.42	56.47	-2.89	PK
5	9748	55.40	74.00	-18.60	54.47	0.93	PK
6	12185	57.61	74.00	-16.39	52.51	5.10	PK
* 7	12185	47.55	54.00	-6.45	42.45	5.10	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	21.2
Test Condition	802.11g_2437MHz	Humidity (%RH)	56.0

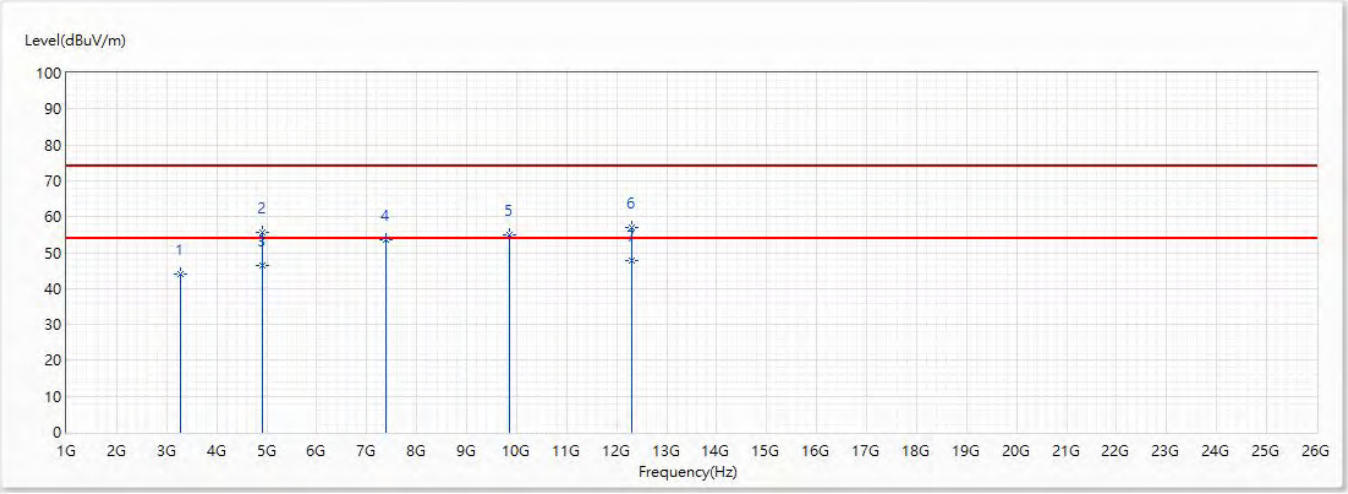


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3249.333	43.10	74.00	-30.90	60.34	-17.24	PK
2	4874	65.80	74.00	-8.20	77.11	-11.31	PK
* 3	4874	52.11	54.00	-1.89	63.42	-11.31	AV
4	7311	52.74	74.00	-21.26	55.63	-2.89	PK
5	9748	55.68	74.00	-18.32	54.75	0.93	PK
6	12185	57.12	74.00	-16.88	52.02	5.10	PK
7	12185	49.11	54.00	-4.89	44.01	5.10	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2462MHz	Humidity (%RH)	51.0

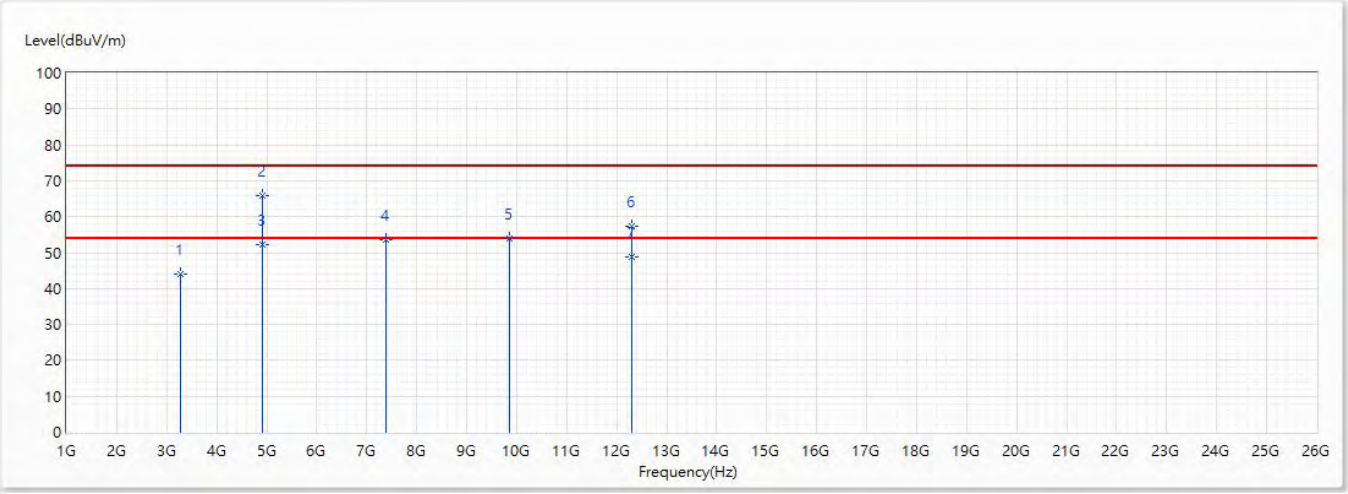


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3282.667	44.02	74.00	-29.98	61.17	-17.15	PK
2	4924	55.49	74.00	-18.51	66.67	-11.18	PK
3	4924	46.56	54.00	-7.44	57.74	-11.18	AV
4	7386	53.64	74.00	-20.36	56.14	-2.50	PK
5	9848	55.04	74.00	-18.96	53.98	1.06	PK
6	12310	57.15	74.00	-16.85	52.53	4.62	PK
* 7	12310	47.88	54.00	-6.12	43.26	4.62	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	21.2
Test Condition	802.11g_2462MHz	Humidity (%RH)	56.0

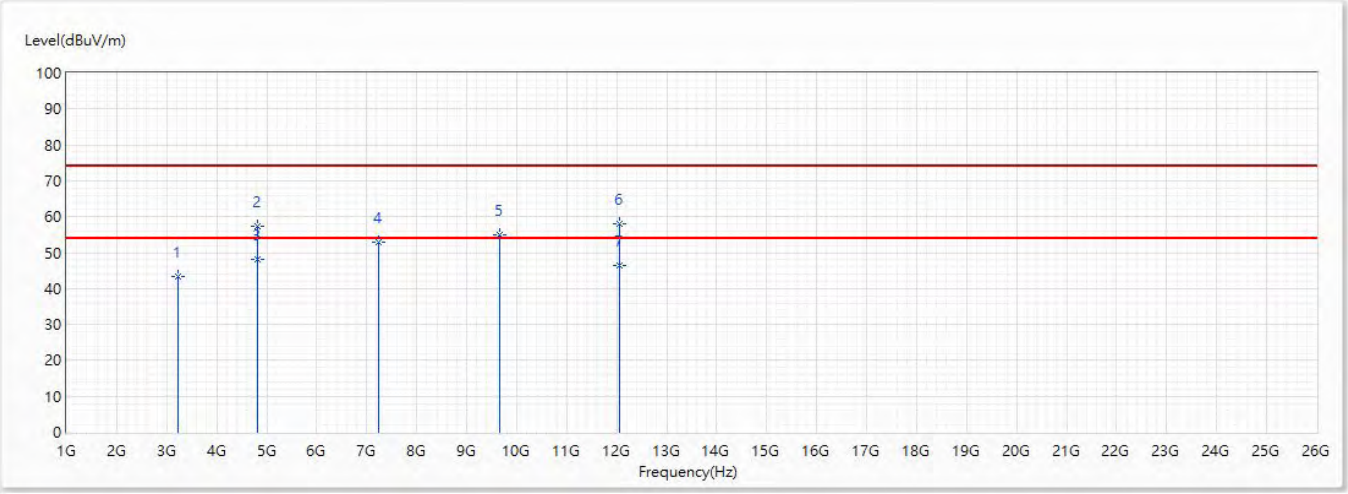


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3282.667	43.97	74.00	-30.03	61.12	-17.15	PK
2	4924	66.03	74.00	-7.97	77.21	-11.18	PK
* 3	4924	52.11	54.00	-1.89	63.29	-11.18	AV
4	7386	53.74	74.00	-20.26	56.24	-2.50	PK
5	9848	53.99	74.00	-20.01	52.93	1.06	PK
6	12310	57.34	74.00	-16.66	52.72	4.62	PK
7	12310	48.66	54.00	-5.34	44.04	4.62	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11n(20)_2412MHz	Humidity (%RH)	51.0

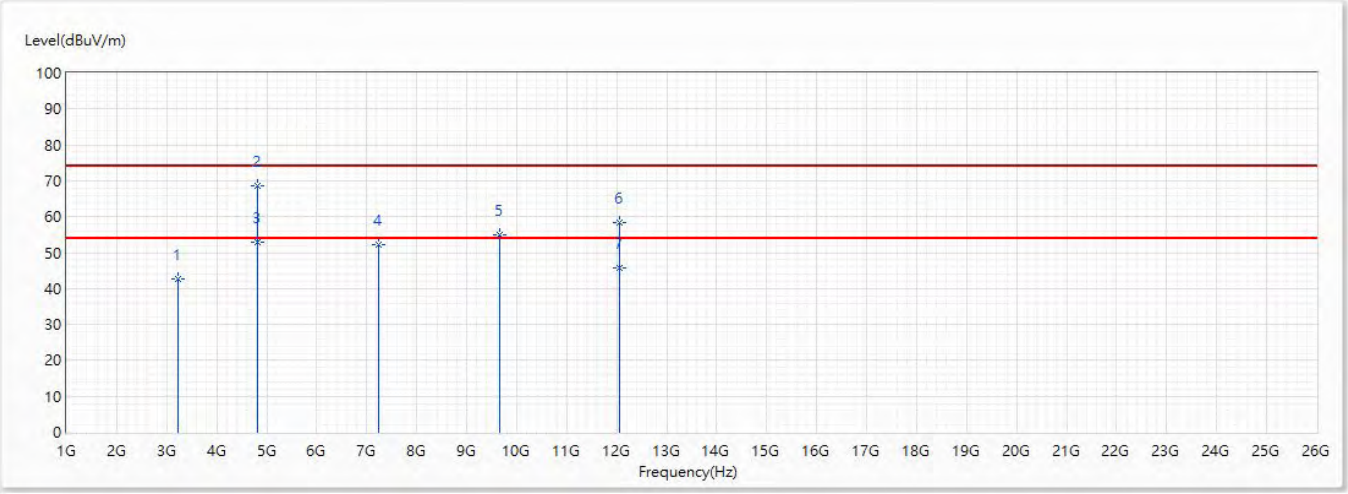


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3216	43.23	74.00	-30.77	60.54	-17.31	PK
2	4824	57.43	74.00	-16.57	68.91	-11.48	PK
* 3	4824	48.11	54.00	-5.89	59.59	-11.48	AV
4	7236	52.80	74.00	-21.20	55.93	-3.13	PK
5	9648	54.78	74.00	-19.22	53.92	0.86	PK
6	12060	57.96	74.00	-16.04	52.60	5.36	PK
7	12060	46.47	54.00	-7.53	41.11	5.36	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	21.2
Test Condition	802.11n(20)_2412MHz	Humidity (%RH)	56.0

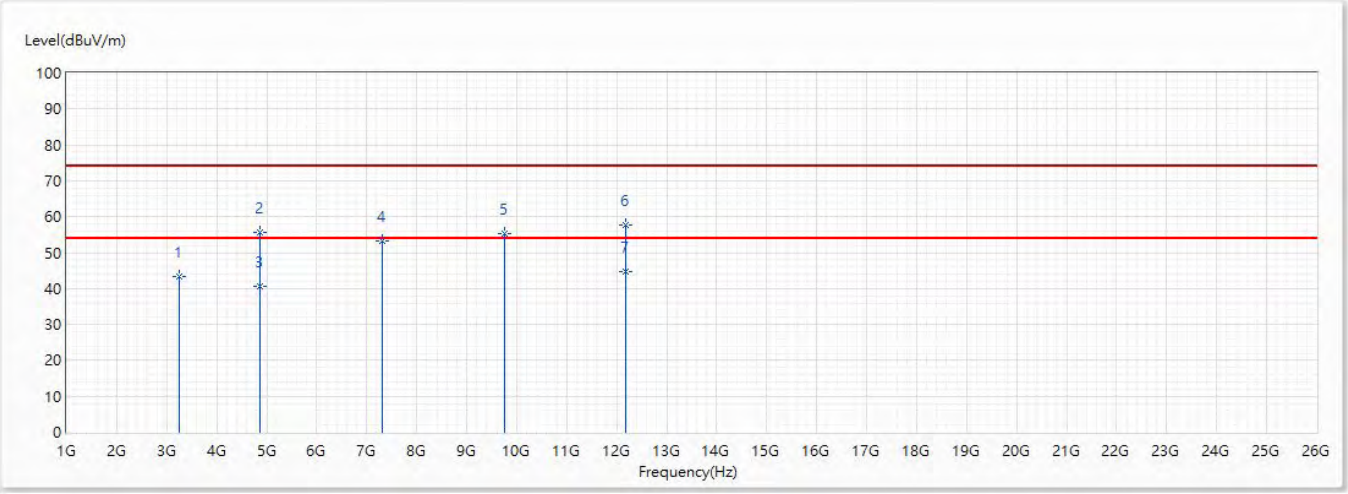


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3216	42.80	74.00	-31.20	60.11	-17.31	PK
2	4824	68.74	74.00	-5.26	80.22	-11.48	PK
* 3	4824	53.01	54.00	-0.99	64.49	-11.48	AV
4	7236	52.26	74.00	-21.74	55.39	-3.13	PK
5	9648	54.81	74.00	-19.19	53.95	0.86	PK
6	12060	58.40	74.00	-15.60	53.04	5.36	PK
7	12060	45.87	54.00	-8.13	40.51	5.36	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11n(20)_2437MHz	Humidity (%RH)	51.0

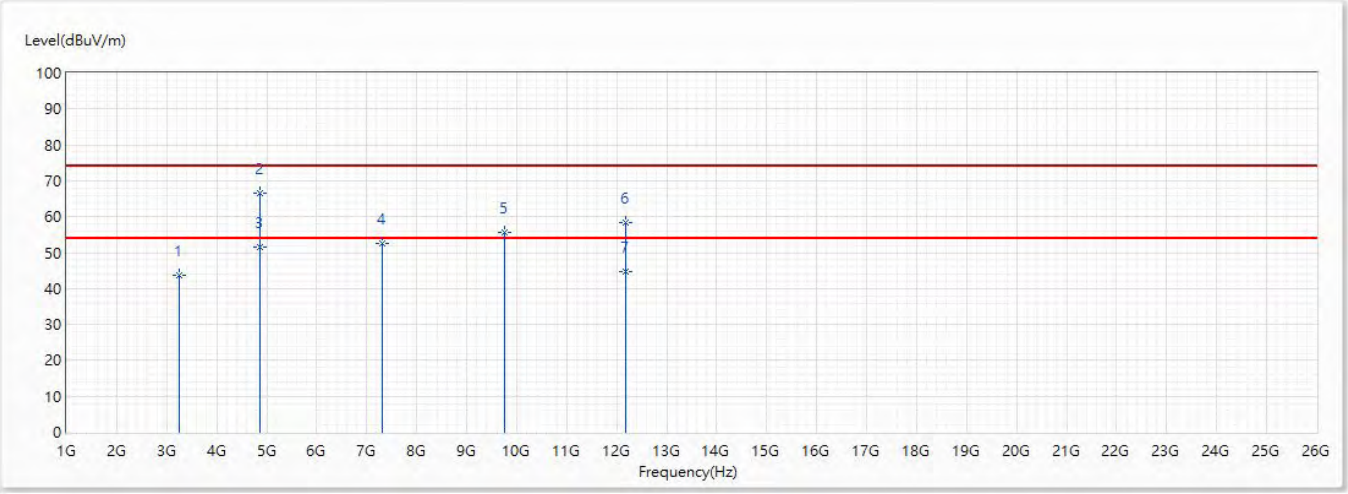


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3249.333	43.24	74.00	-30.76	60.48	-17.24	PK
2	4874	55.51	74.00	-18.49	66.82	-11.31	PK
3	4874	40.73	54.00	-13.27	52.04	-11.31	AV
4	7311	53.12	74.00	-20.88	56.01	-2.89	PK
5	9748	55.37	74.00	-18.63	54.44	0.93	PK
6	12185	57.67	74.00	-16.33	52.57	5.10	PK
* 7	12185	44.56	54.00	-9.44	39.46	5.10	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	21.2
Test Condition	802.11n(20)_2437MHz	Humidity (%RH)	56.0

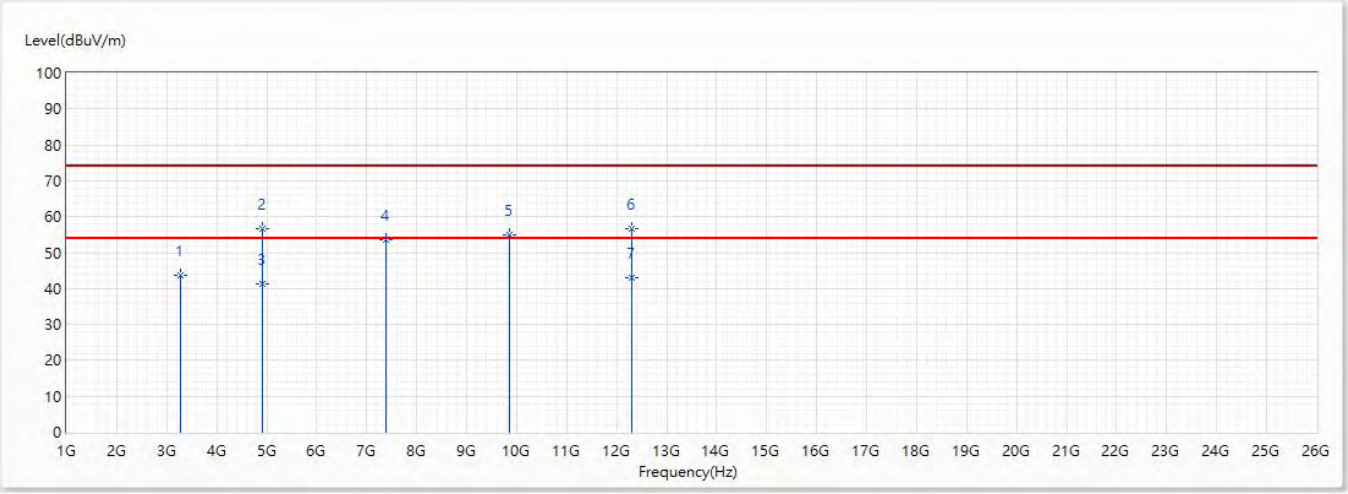


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3249.333	43.74	74.00	-30.26	60.98	-17.24	PK
2	4874	66.64	74.00	-7.36	77.95	-11.31	PK
* 3	4874	51.54	54.00	-2.46	62.85	-11.31	AV
4	7311	52.63	74.00	-21.37	55.52	-2.89	PK
5	9748	55.65	74.00	-18.35	54.72	0.93	PK
6	12185	58.38	74.00	-15.62	53.28	5.10	PK
7	12185	44.65	54.00	-9.35	39.55	5.10	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11n(20)_2462MHz	Humidity (%RH)	51.0

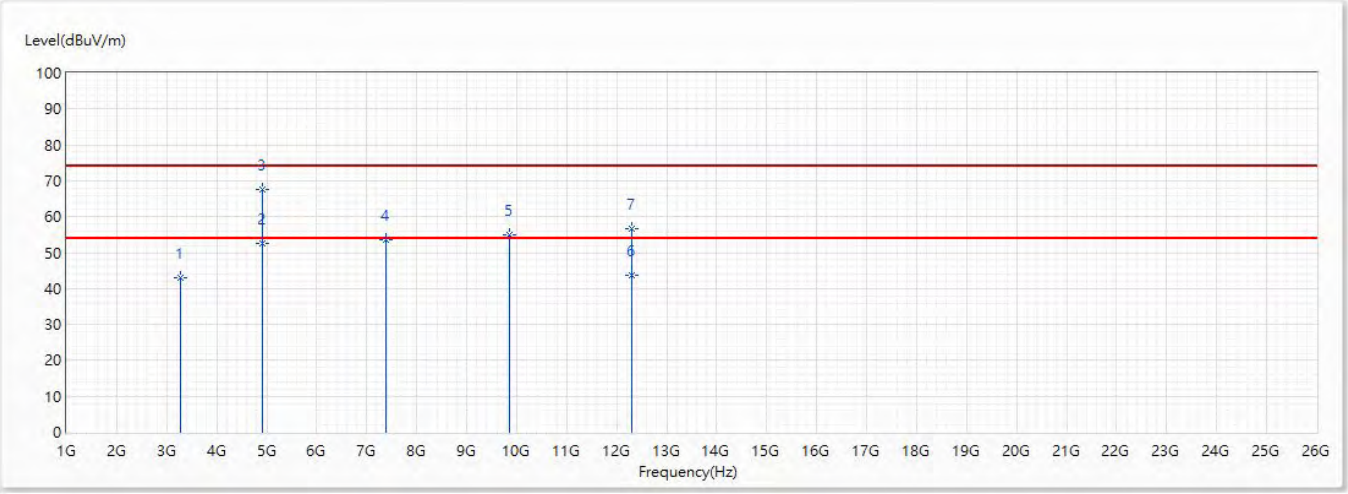


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3282.667	43.79	74.00	-30.21	60.94	-17.15	PK
2	4924	56.75	74.00	-17.25	67.93	-11.18	PK
3	4924	41.31	54.00	-12.69	52.49	-11.18	AV
4	7386	53.45	74.00	-20.55	55.95	-2.50	PK
5	9848	54.98	74.00	-19.02	53.92	1.06	PK
6	12310	56.74	74.00	-17.26	52.12	4.62	PK
* 7	12310	43.15	54.00	-10.85	38.53	4.62	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

Model No	CSD-ELINK2	Site	CB2-H
Test Voltage	DC 5V	Test Date	2020/2/27
Test Mode	Mode 1: Transmit Mode	Engineer	Rueyyan
Polarity	Vertical	Temperature (℃)	21.2
Test Condition	802.11n(20)_2462MHz	Humidity (%RH)	56.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	3282.667	43.15	74.00	-30.85	60.30	-17.15	PK
* 2	4924	52.63	54.00	-1.37	63.81	-11.18	AV
3	4924	67.50	74.00	-6.50	78.68	-11.18	PK
4	7386	53.68	74.00	-20.32	56.18	-2.50	PK
5	9848	54.83	74.00	-19.17	53.77	1.06	PK
6	12310	43.52	54.00	-10.48	38.90	4.62	AV
7	12310	56.74	74.00	-17.26	52.12	4.62	PK

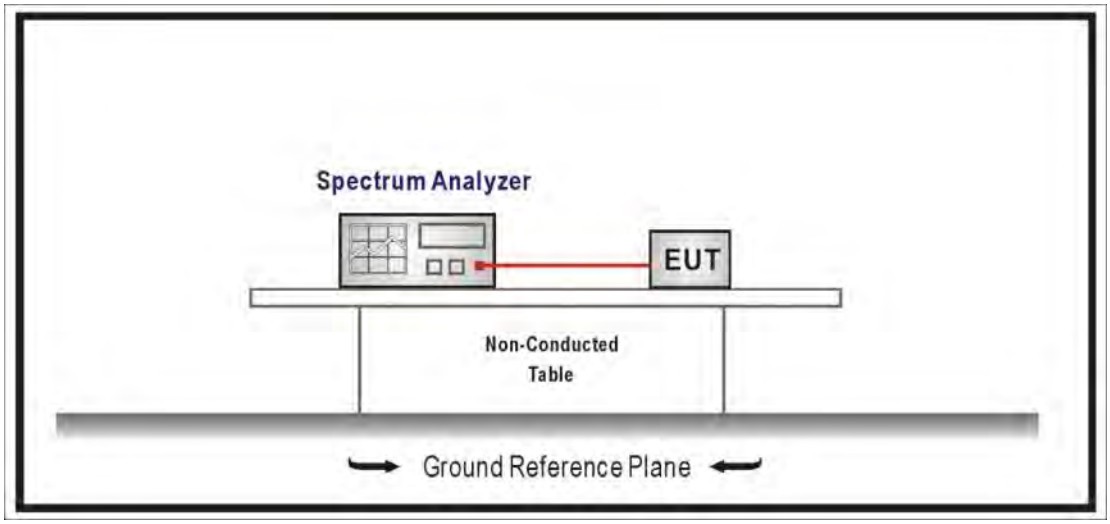
Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement 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 less than 20dBm form the limt, so as not reported.

5. RF antenna conducted test

5.1. Test Setup

RF Antenna 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 DTS test procedure section 11.2 of KDB 558074 D01 V05 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.4. Test Specification

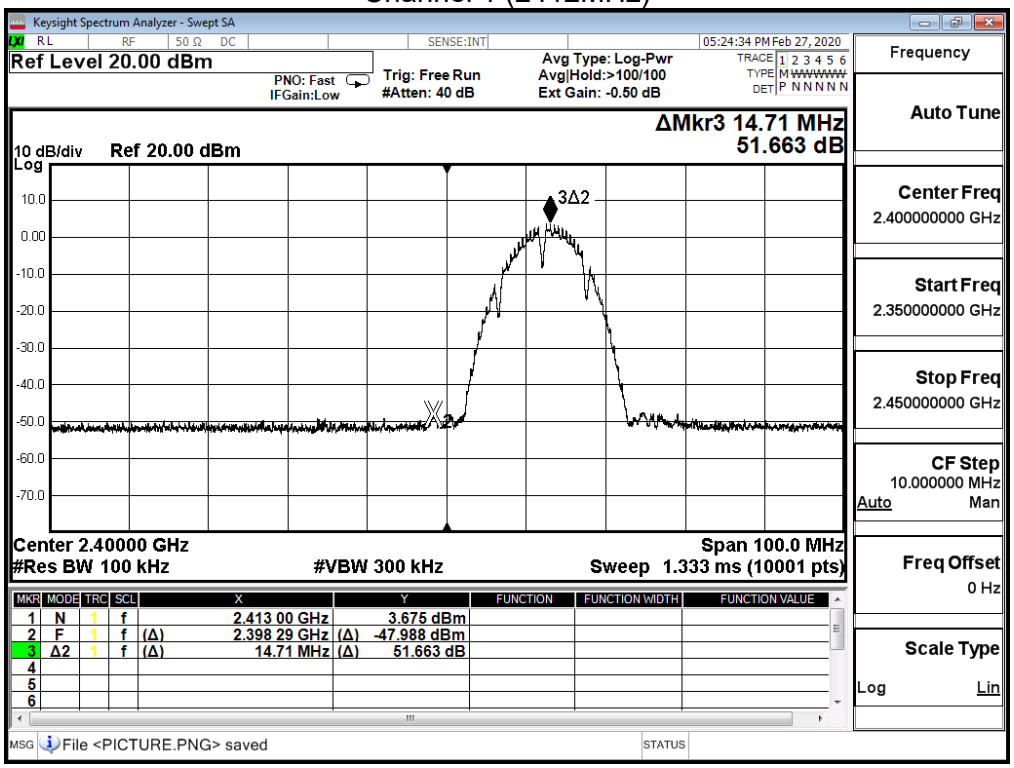
According to FCC Part 15 Subpart C Paragraph 15.247: 2018

5.5. Test Result

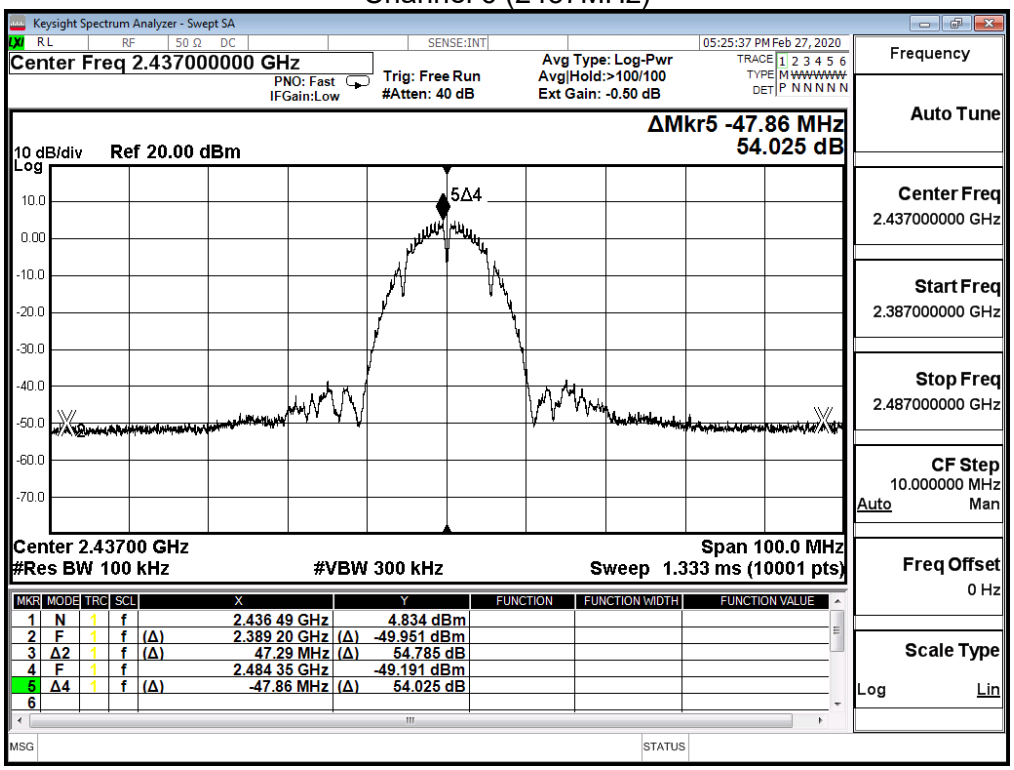
Product	Android Based UI		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

IEEE 802.11b (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	45.939	≧30	Pass
6	2437	45.821	≧30	Pass
11	2462	48.770	≧30	Pass

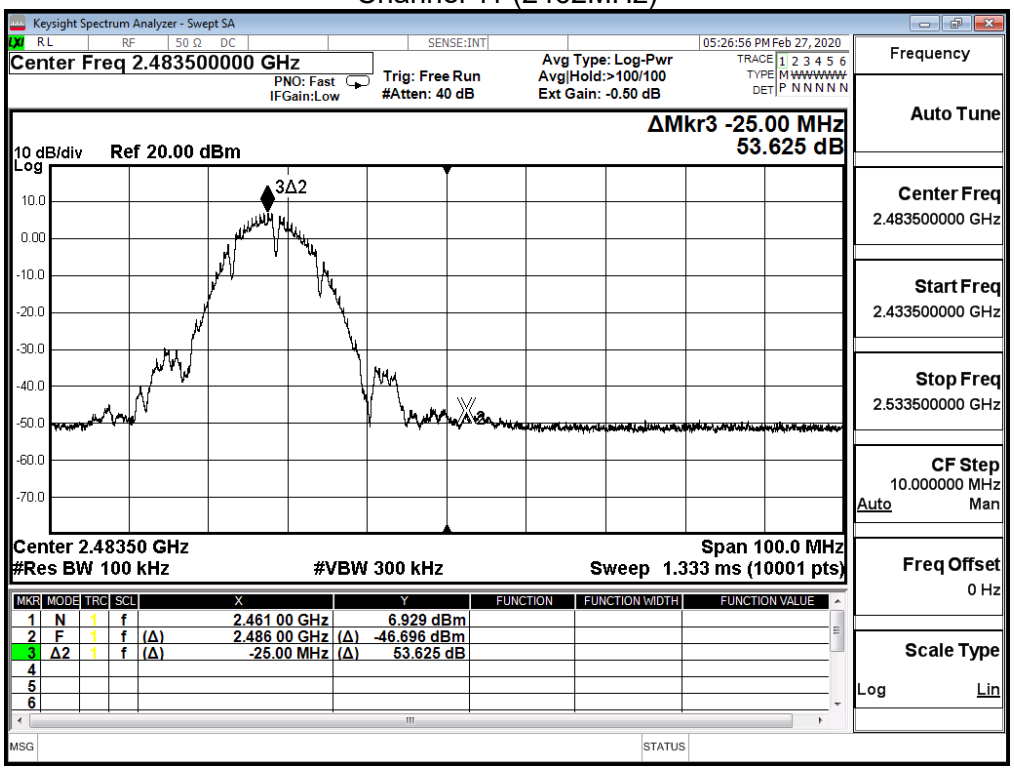
Channel 1 (2412MHz)



Channel 6 (2437MHz)



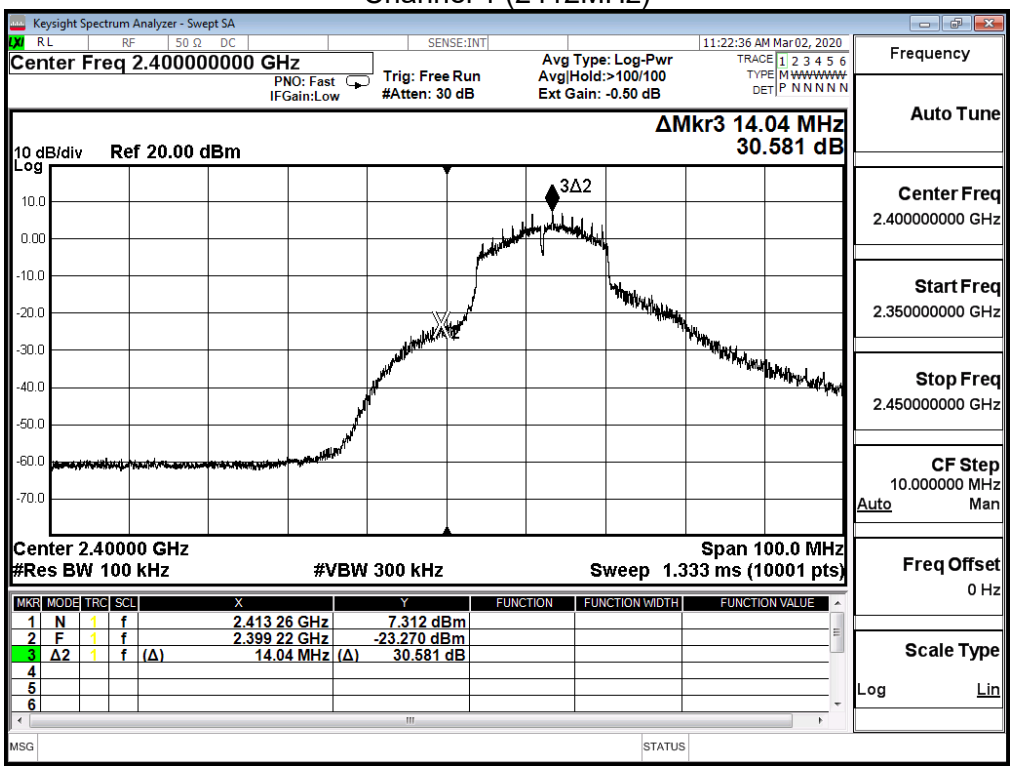
Channel 11 (2462MHz)



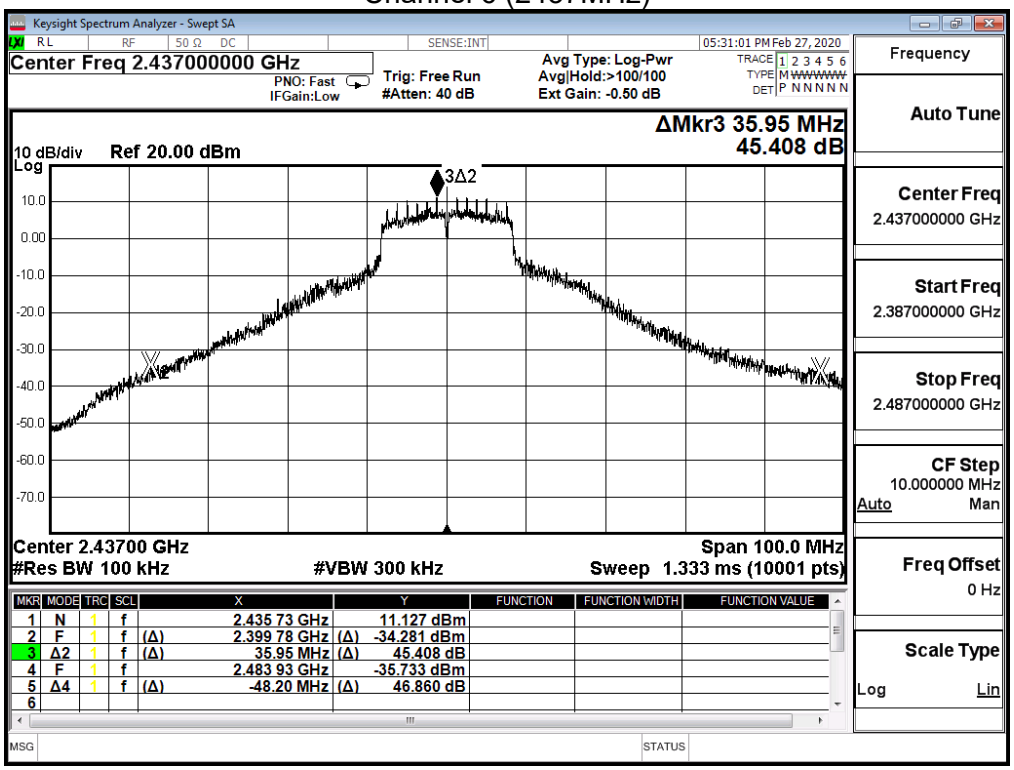
Product	Android Based UI		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27~2020/03/02	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

IEEE 802.11g (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	30.581	≧30	Pass
6	2437	45.408	≧30	Pass
11	2462	44.663	≧30	Pass

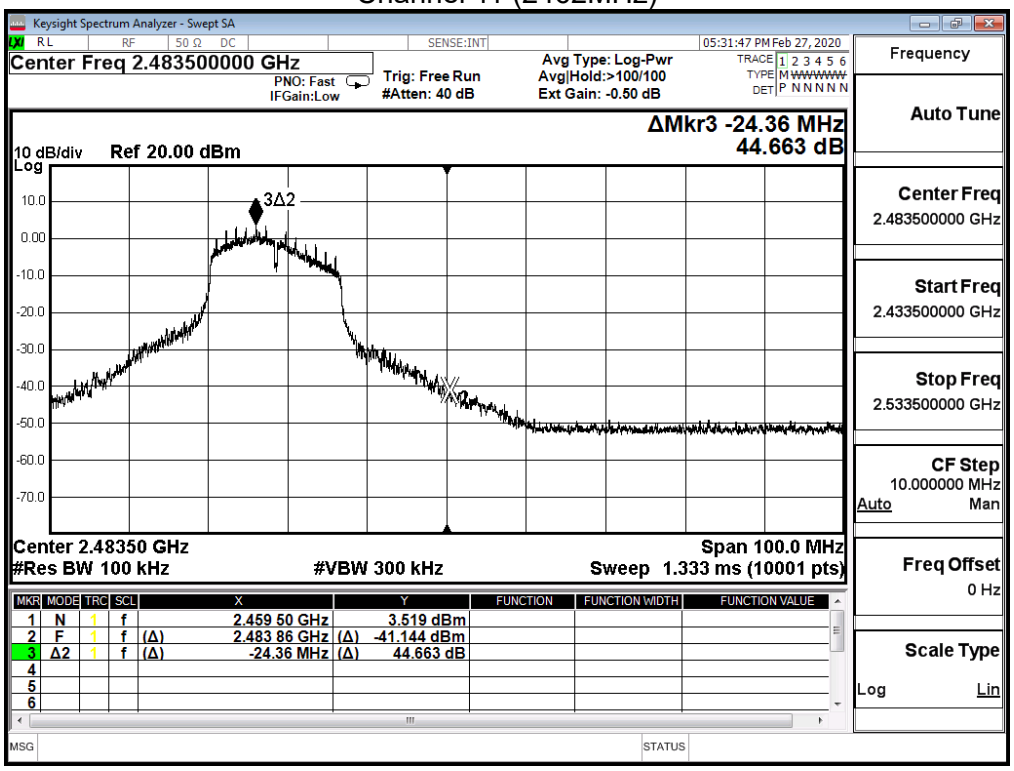
Channel 1 (2412MHz)



Channel 6 (2437MHz)



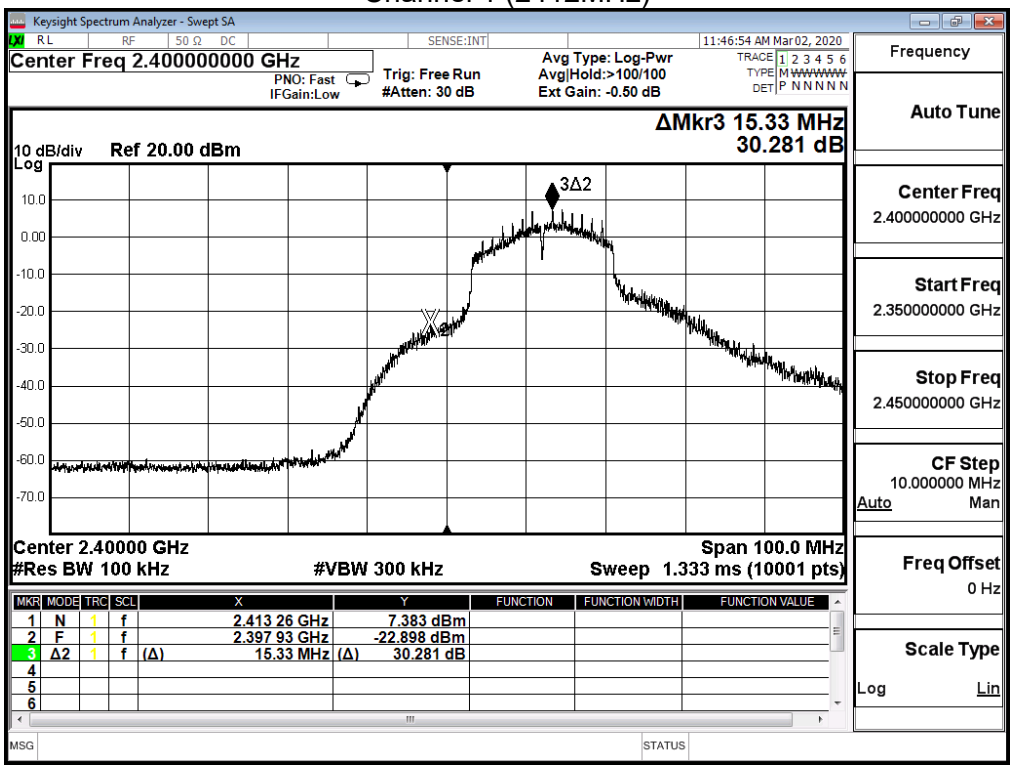
Channel 11 (2462MHz)



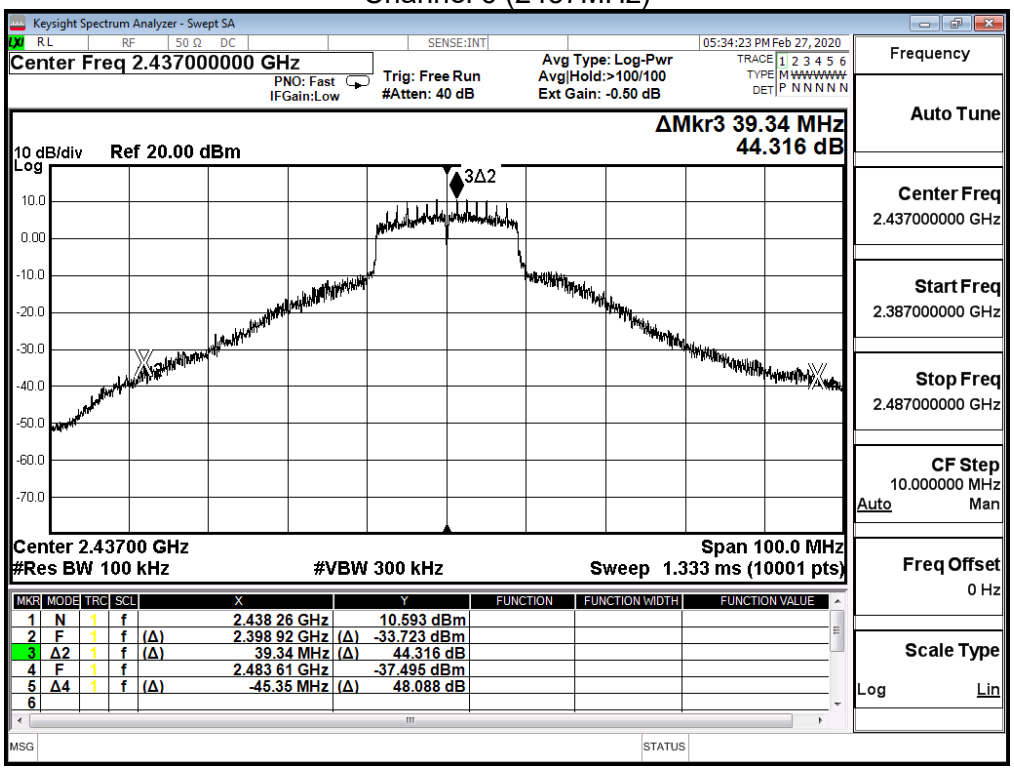
Product	Android Based UI		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27~2020/03/02	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

IEEE 802.11n 20M (ANT 0)				
Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	30.281	≧30	Pass
6	2437	44.316	≧30	Pass
11	2462	42.066	≧30	Pass

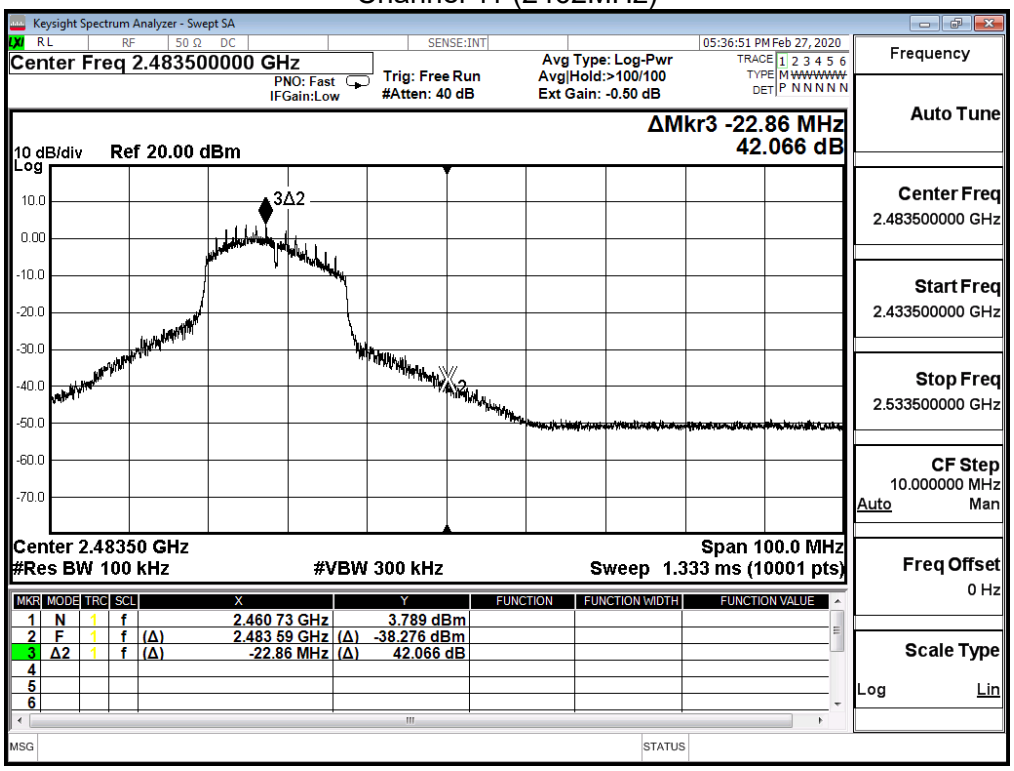
Channel 1 (2412MHz)



Channel 6 (2437MHz)

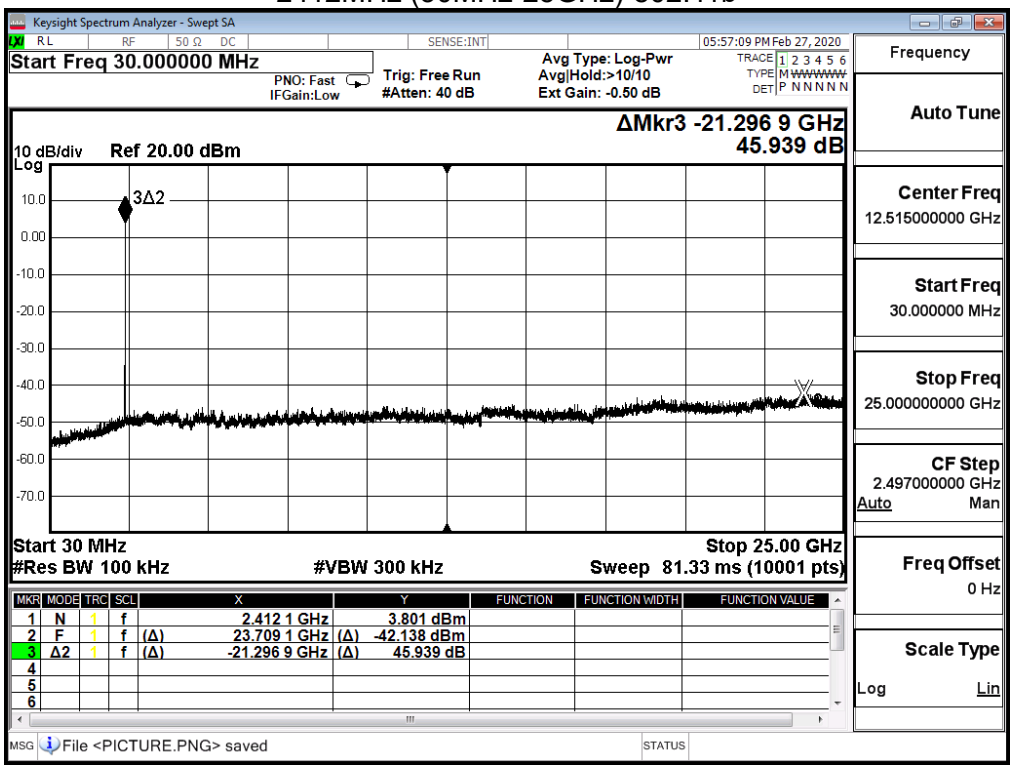


Channel 11 (2462MHz)

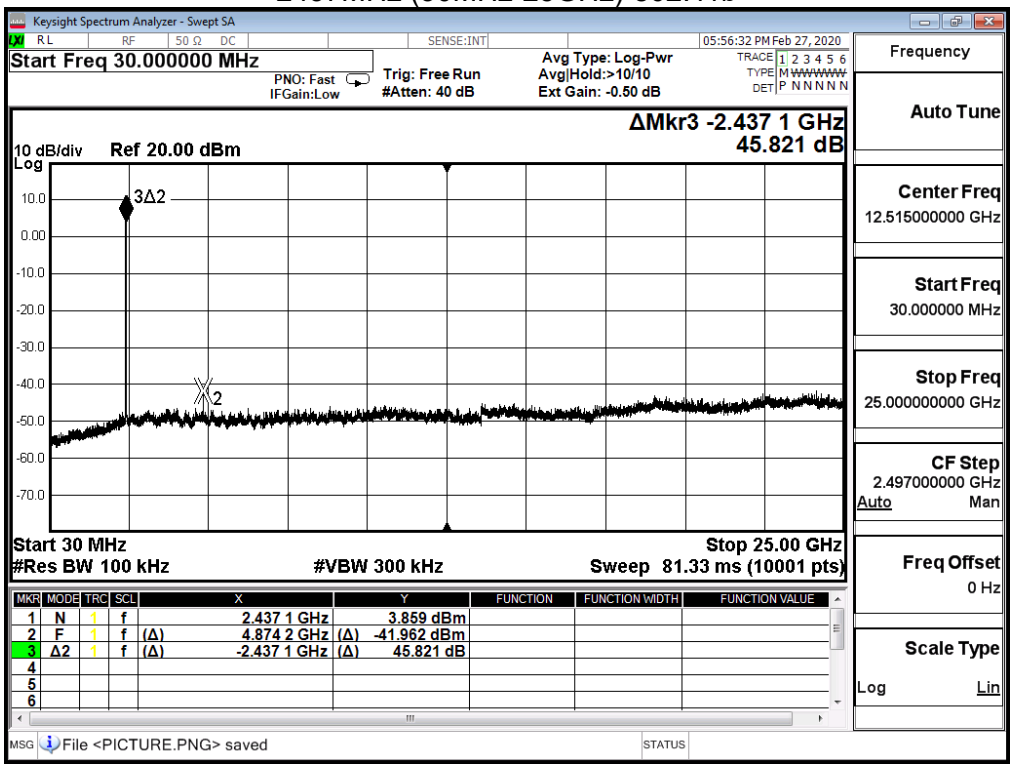


Product	Android Based UI		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

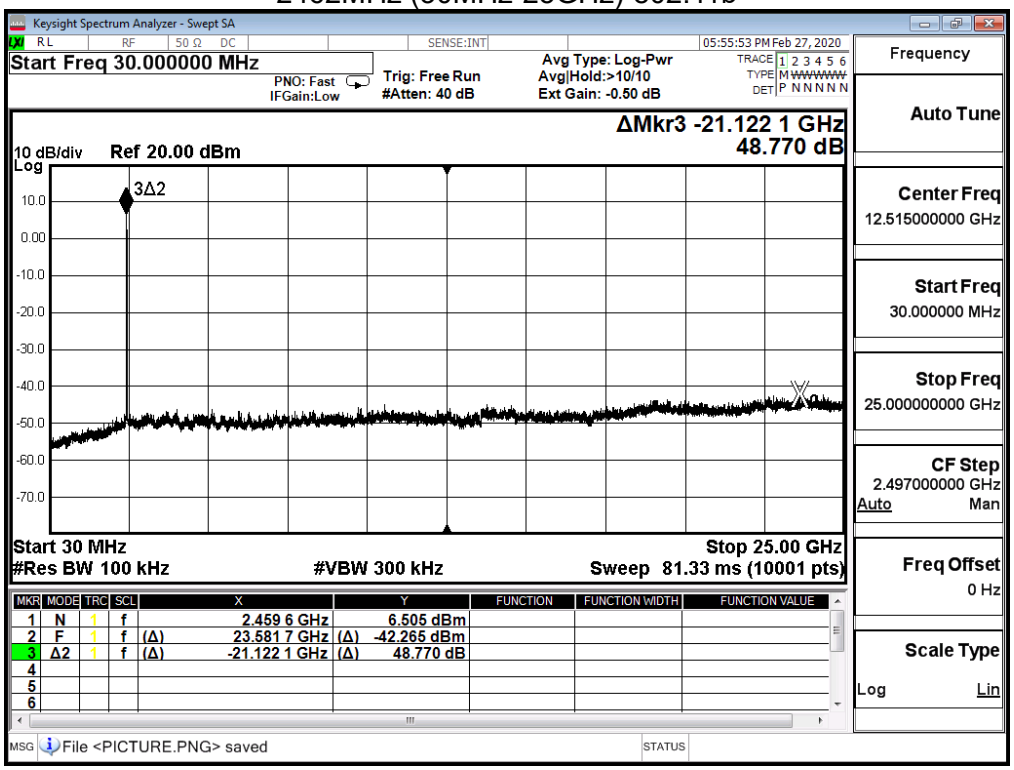
2412MHz (30MHz-25GHz)-802.11b



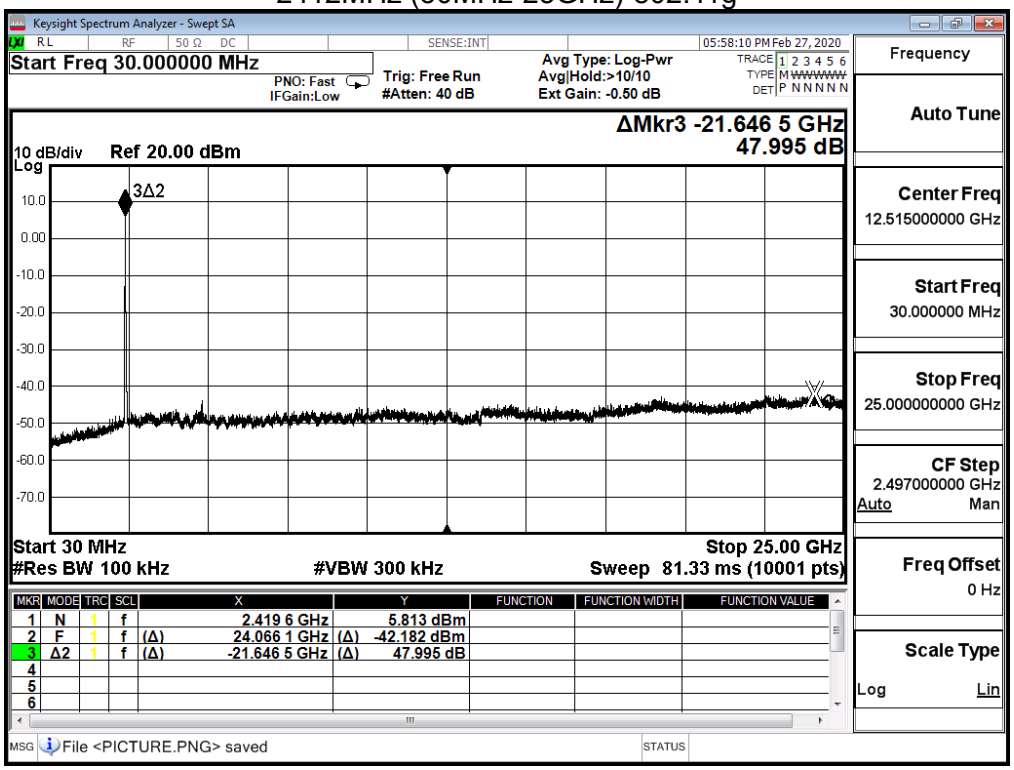
2437MHz (30MHz-25GHz)-802.11b



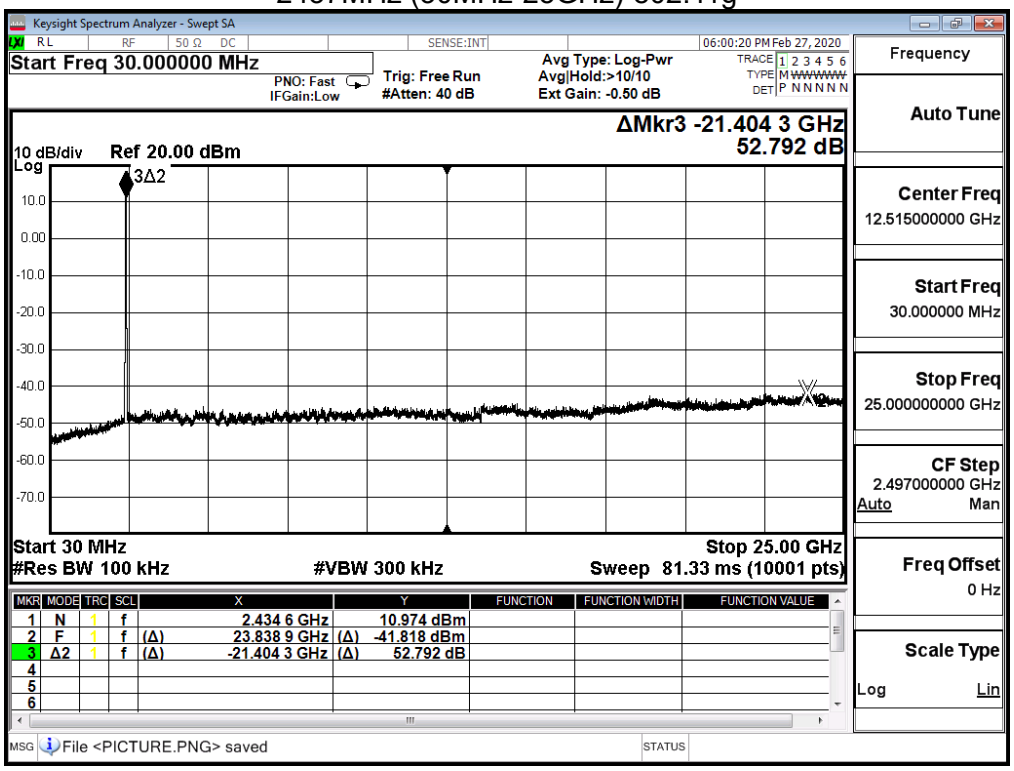
2462MHz (30MHz-25GHz)-802.11b



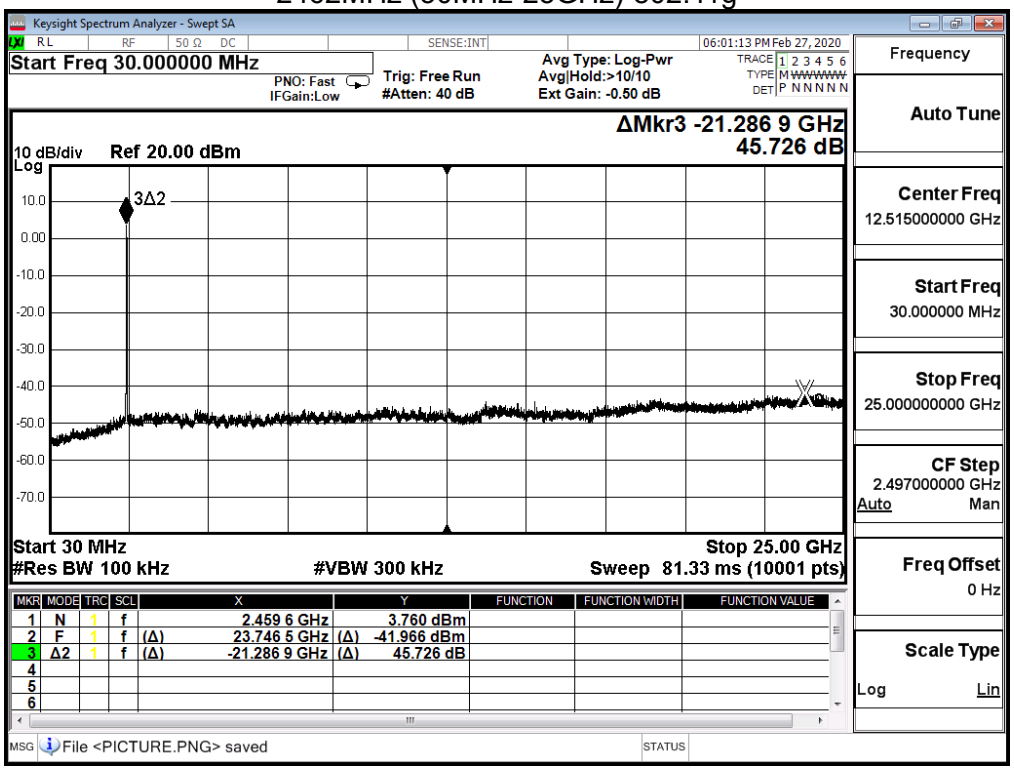
2412MHz (30MHz-25GHz)-802.11g



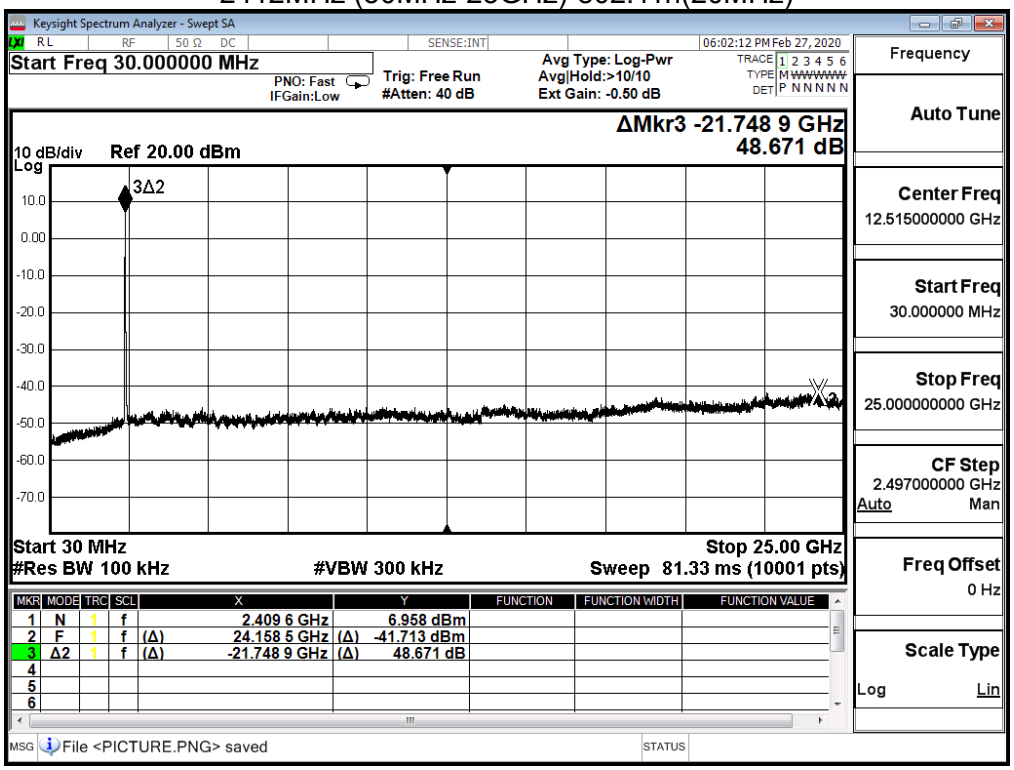
2437MHz (30MHz-25GHz)-802.11g



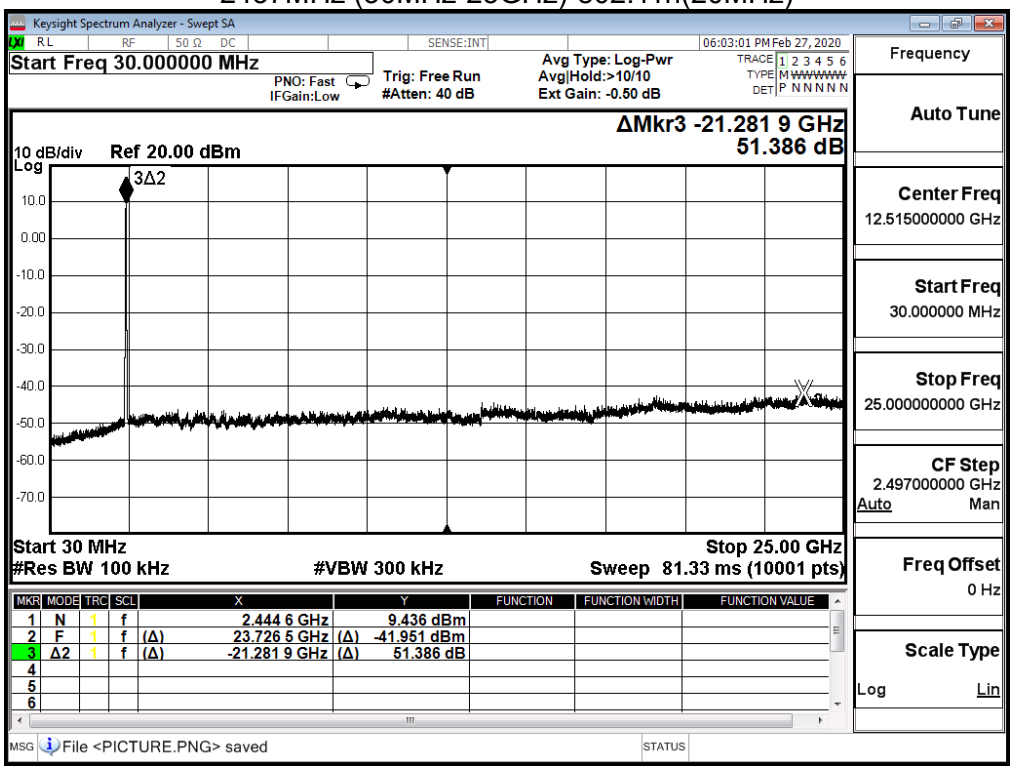
2462MHz (30MHz-25GHz)-802.11g



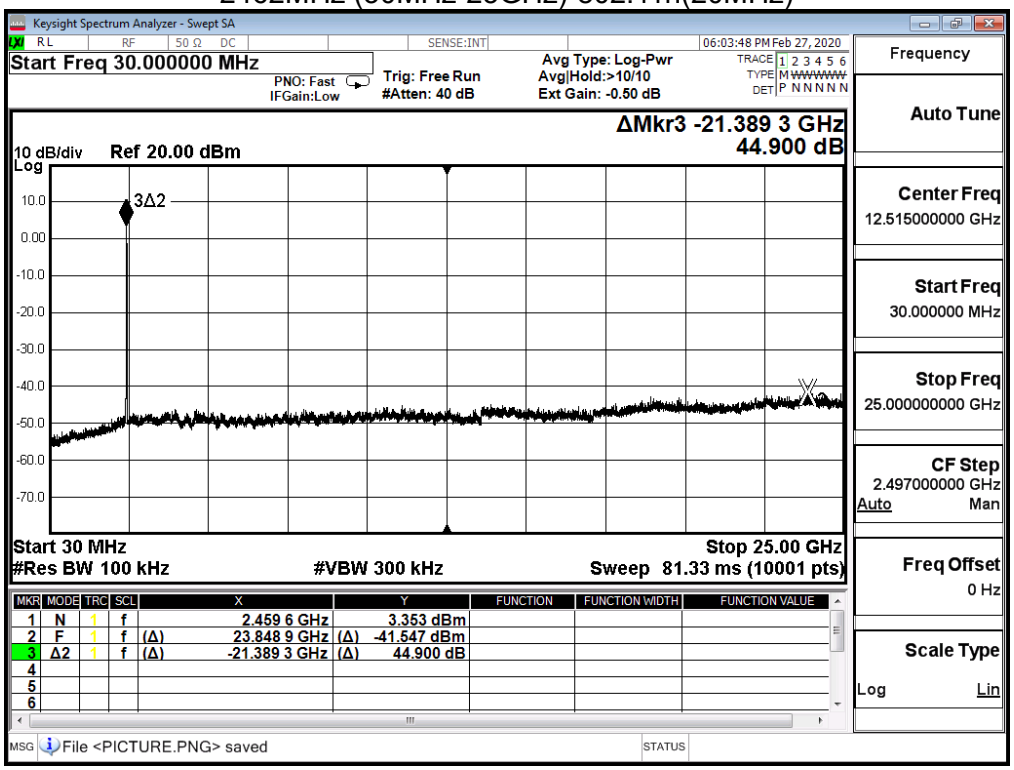
2412MHz (30MHz-25GHz)-802.11n(20MHz)



2437MHz (30MHz-25GHz)-802.11n(20MHz)

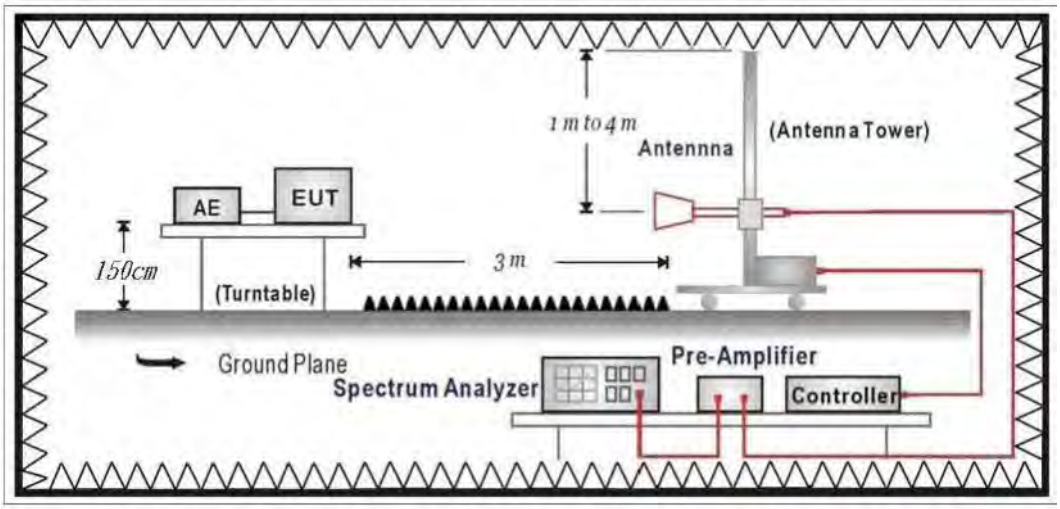


2462MHz (30MHz-25GHz)-802.11n(20MHz)



6. Radiated Emission Band Edge

6.1. Test Setup



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

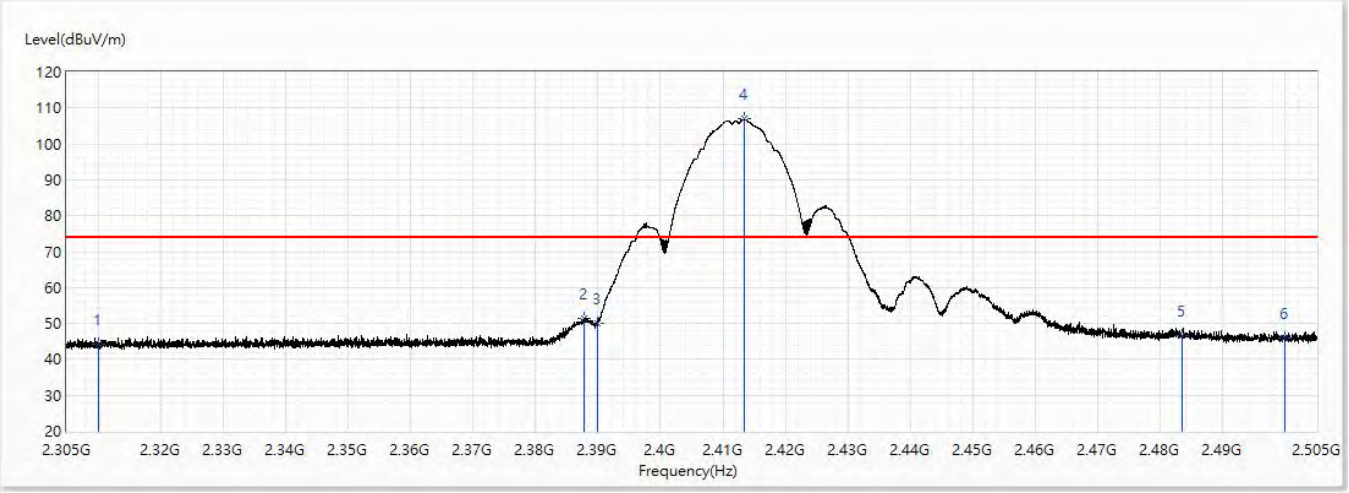
The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074 D01 V05 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2412MHz	Humidity (%RH)	51.0

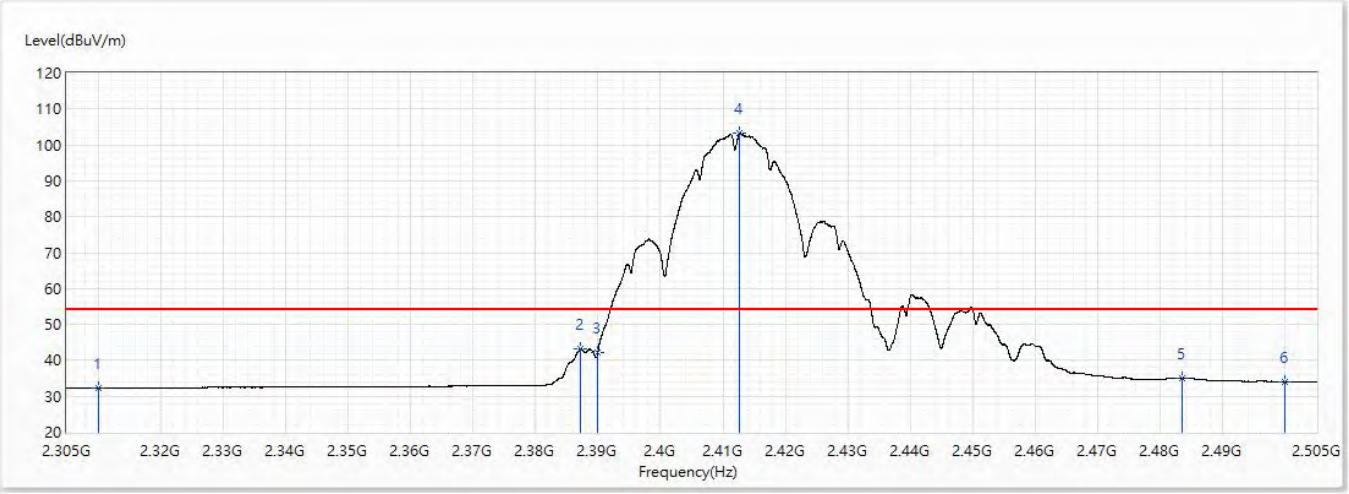


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.23	74.00	-29.77	28.66	15.57	PK
2	2387.725	51.53	74.00	-22.47	35.38	16.15	PK
3	2390	49.98	74.00	-24.02	33.82	16.16	PK
! 4	2413.5	106.97	74.00	32.97	90.64	16.33	PK
5	2483.5	46.51	74.00	-27.49	29.65	16.86	PK
6	2500	45.99	74.00	-28.01	29.01	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2412MHz	Humidity (%RH)	51.0

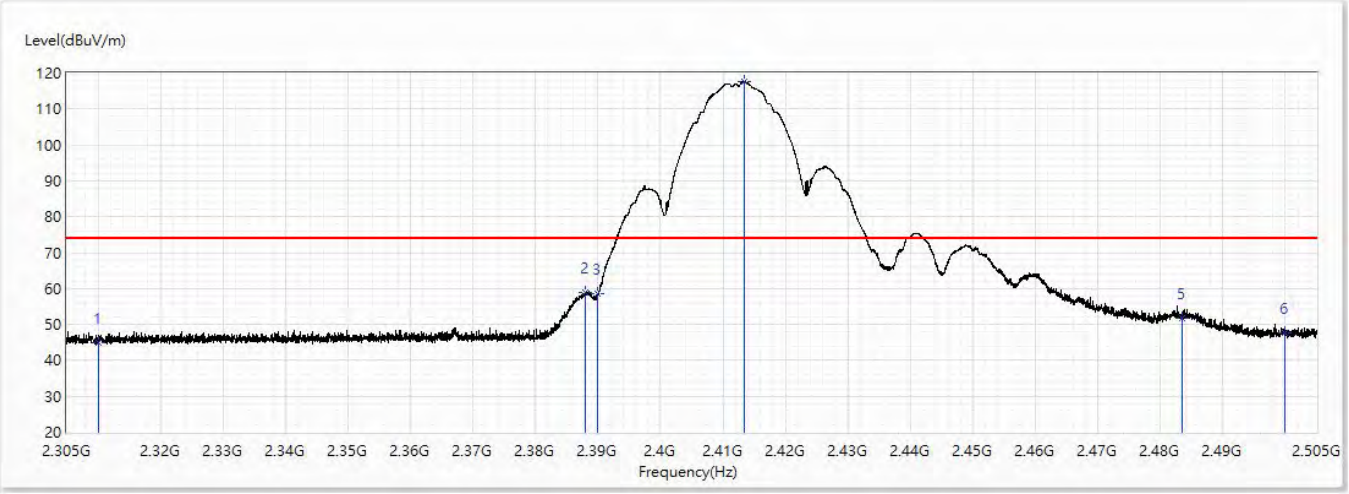


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.31	54.00	-21.69	16.74	15.57	AV
2	2387.125	43.28	54.00	-10.72	27.14	16.14	AV
3	2390	42.15	54.00	-11.85	25.99	16.16	AV
! 4	2412.7	103.19	54.00	49.19	86.86	16.33	AV
5	2483.5	34.95	54.00	-19.05	18.09	16.86	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. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/17
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11b_2412MHz	Humidity (%RH)	51.0

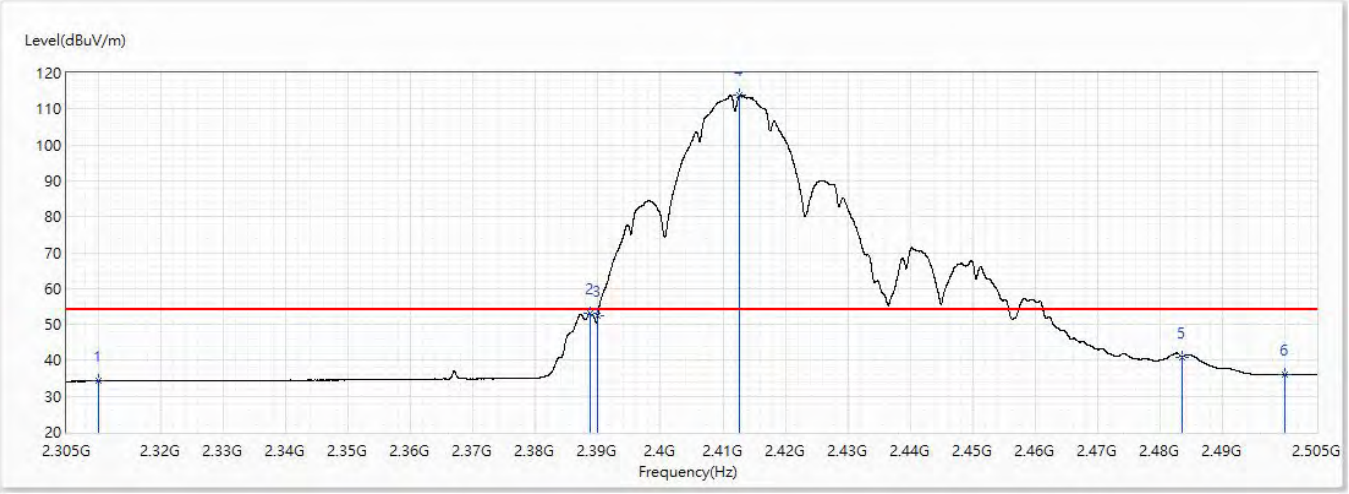


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	45.04	74.00	-28.96	29.47	15.57	PK
2	2387.95	58.89	74.00	-15.11	42.74	16.15	PK
3	2390	58.56	74.00	-15.44	42.40	16.16	PK
! 4	2413.475	117.74	74.00	43.74	101.41	16.33	PK
5	2483.5	51.86	74.00	-22.14	35.00	16.86	PK
6	2500	47.48	74.00	-26.52	30.50	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/17
Test Mode	Mode 1: Transmit Mode	Engineer	Scott
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11b_2412MHz	Humidity (%RH)	51.0

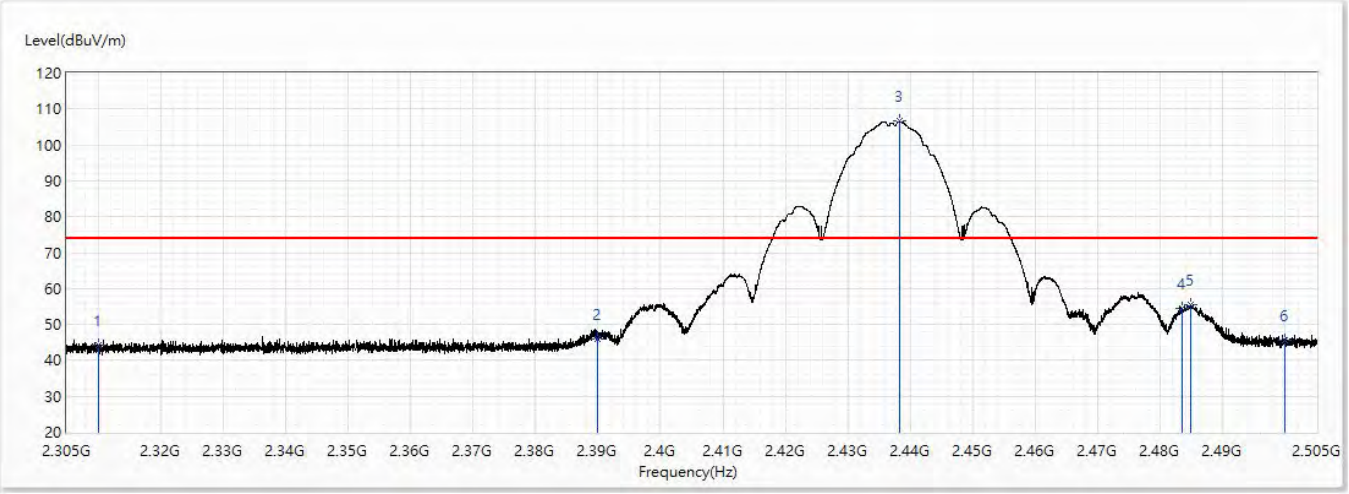


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	34.21	54.00	-19.79	18.64	15.57	AV
2	2388.75	53.11	54.00	-0.89	36.96	16.15	AV
3	2390	52.53	54.00	-1.47	36.37	16.16	AV
! 4	2412.725	113.98	54.00	59.98	97.65	16.33	AV
5	2483.5	40.98	54.00	-13.02	24.12	16.86	AV
6	2500	36.03	54.00	-17.97	19.05	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2437MHz	Humidity (%RH)	51.0

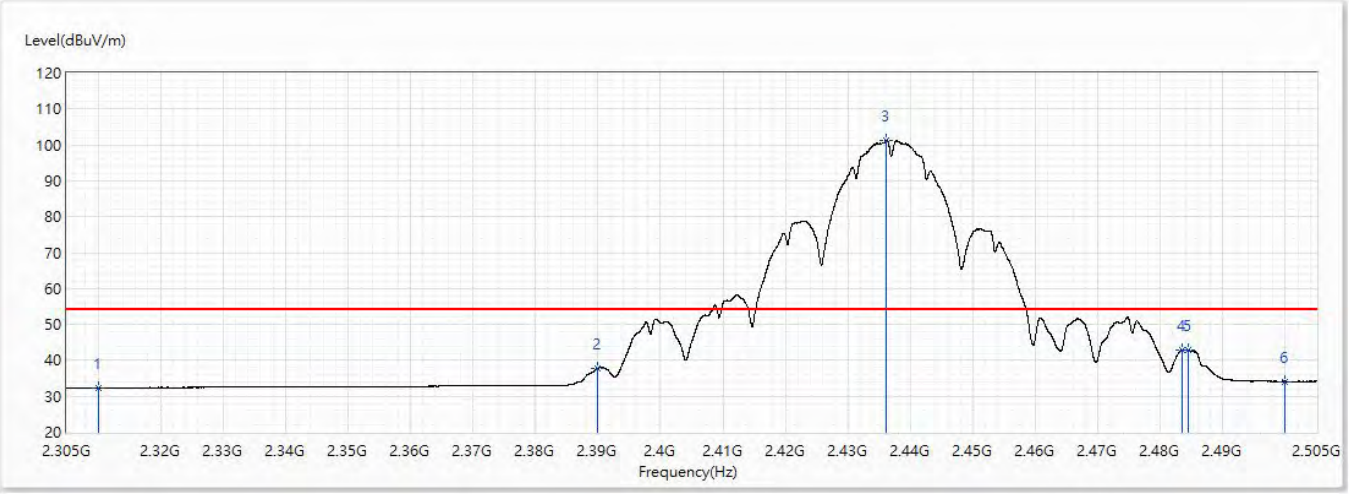


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.11	74.00	-29.89	28.54	15.57	PK
2	2390	45.97	74.00	-28.03	29.81	16.16	PK
! 3	2438.35	106.52	74.00	32.52	90.00	16.52	PK
4	2483.5	54.48	74.00	-19.52	37.62	16.86	PK
5	2484.8	55.62	74.00	-18.38	38.75	16.87	PK
6	2500	45.44	74.00	-28.56	28.46	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2437MHz	Humidity (%RH)	51.0

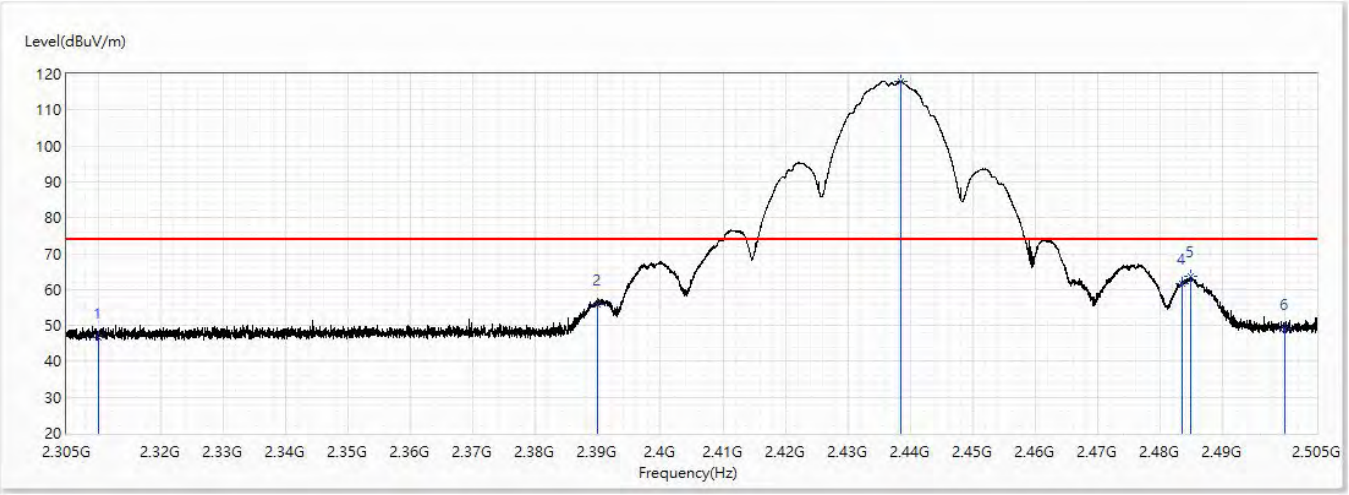


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.34	54.00	-21.66	16.77	15.57	AV
2	2390	37.88	54.00	-16.12	21.72	16.16	AV
! 3	2436.175	101.37	54.00	47.37	84.86	16.51	AV
4	2483.5	42.84	54.00	-11.16	25.98	16.86	AV
5	2484.45	42.82	54.00	-11.18	25.96	16.86	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. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11b_2437MHz	Humidity (%RH)	51.0

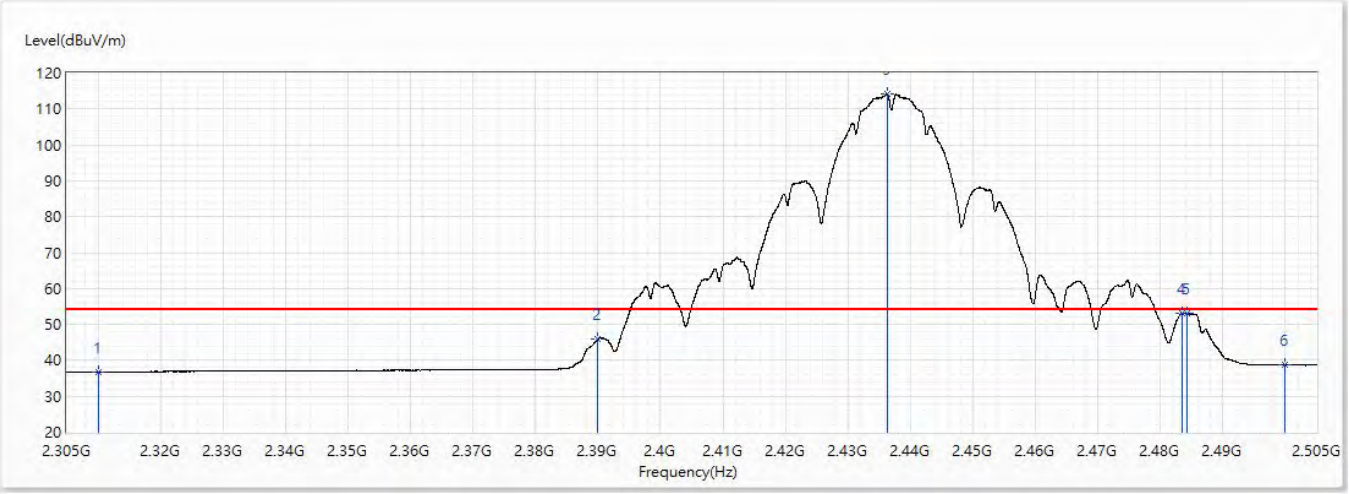


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	46.65	74.00	-27.35	31.08	15.57	PK
2	2390	55.78	74.00	-18.22	39.62	16.16	PK
! 3	2438.475	117.99	74.00	43.99	101.47	16.52	PK
4	2483.5	61.56	74.00	-12.44	44.70	16.86	PK
5	2484.85	63.75	74.00	-10.25	46.88	16.87	PK
6	2500	48.92	74.00	-25.08	31.94	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11b_2437MHz	Humidity (%RH)	51.0

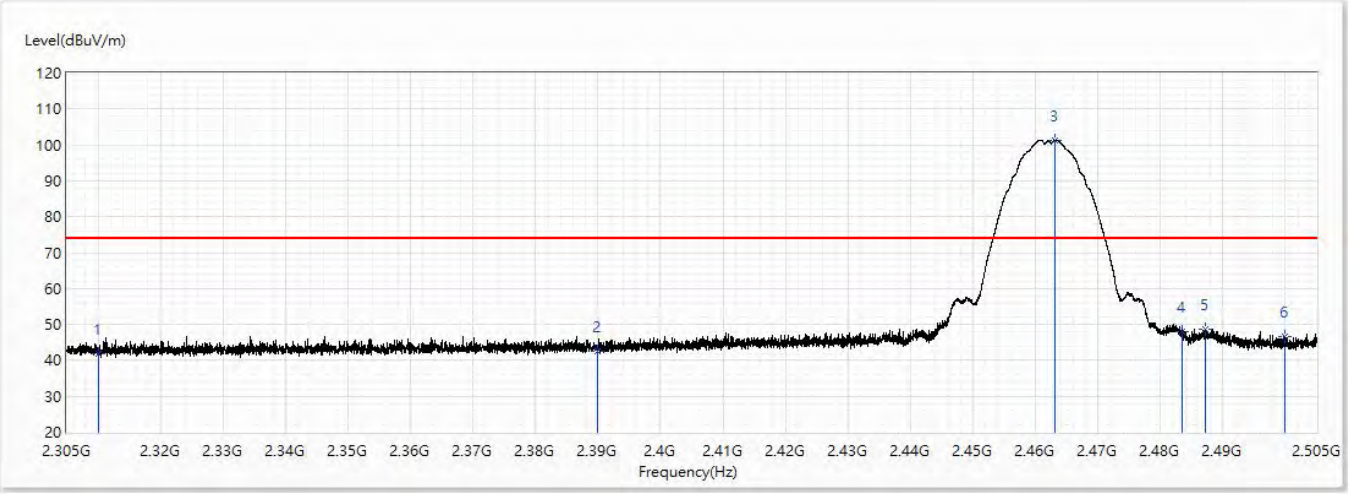


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	36.80	54.00	-17.20	21.23	15.57	AV
2	2390	45.97	54.00	-8.03	29.81	16.16	AV
! 3	2436.25	114.20	54.00	60.20	97.69	16.51	AV
4	2483.5	53.01	54.00	-0.99	36.15	16.86	AV
5	2484.225	53.23	54.00	-0.77	36.37	16.86	AV
6	2500	38.67	54.00	-15.33	21.69	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2462MHz	Humidity (%RH)	51.0

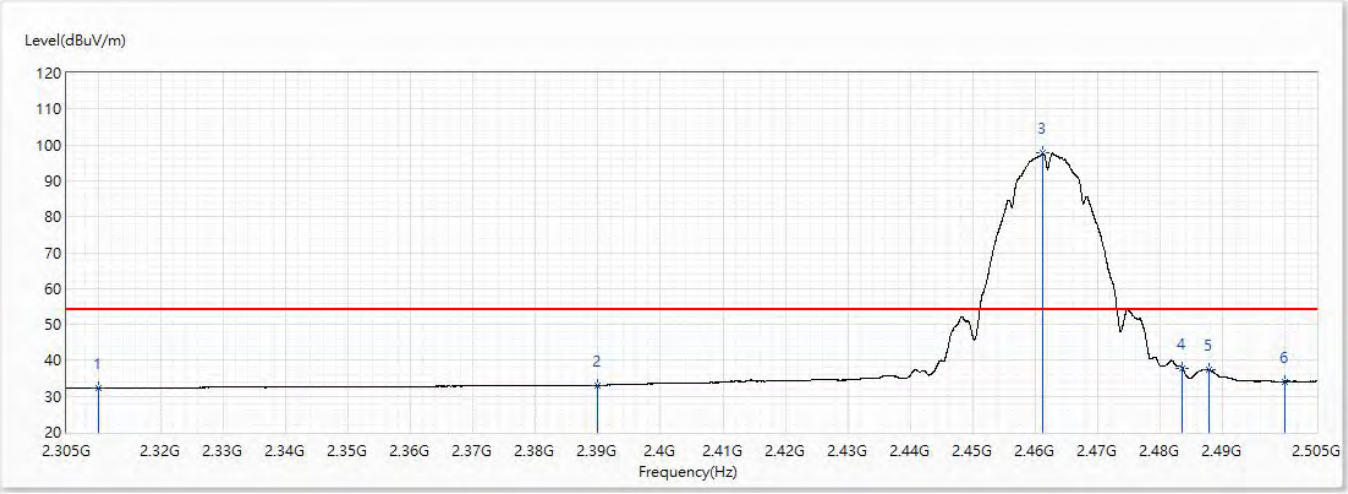


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	41.86	74.00	-32.14	26.29	15.57	PK
2	2390	42.66	74.00	-31.34	26.50	16.16	PK
! 3	2463.125	101.38	74.00	27.38	84.68	16.70	PK
4	2483.5	47.86	74.00	-26.14	31.00	16.86	PK
5	2487.1	48.77	74.00	-25.23	31.89	16.88	PK
6	2500	46.53	74.00	-27.47	29.55	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11b_2462MHz	Humidity (%RH)	51.0

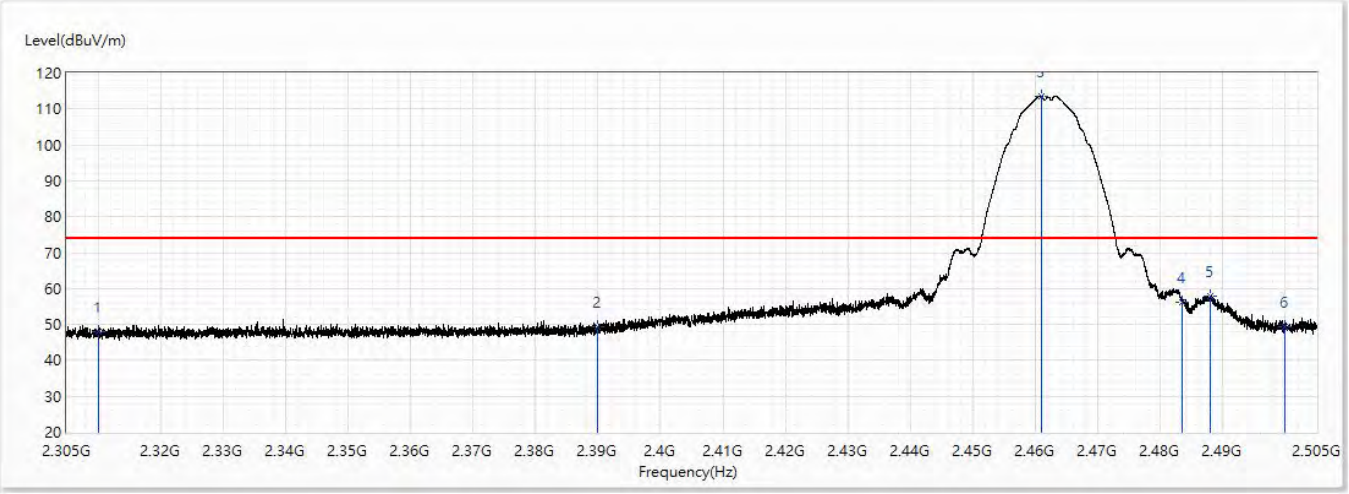


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.35	54.00	-21.65	16.78	15.57	AV
2	2390	33.07	54.00	-20.93	16.91	16.16	AV
! 3	2461.15	97.73	54.00	43.73	81.04	16.69	AV
4	2483.5	37.87	54.00	-16.13	21.01	16.86	AV
5	2487.7	37.39	54.00	-16.61	20.50	16.89	AV
6	2500	34.14	54.00	-19.86	17.16	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11b_2462MHz	Humidity (%RH)	51.0

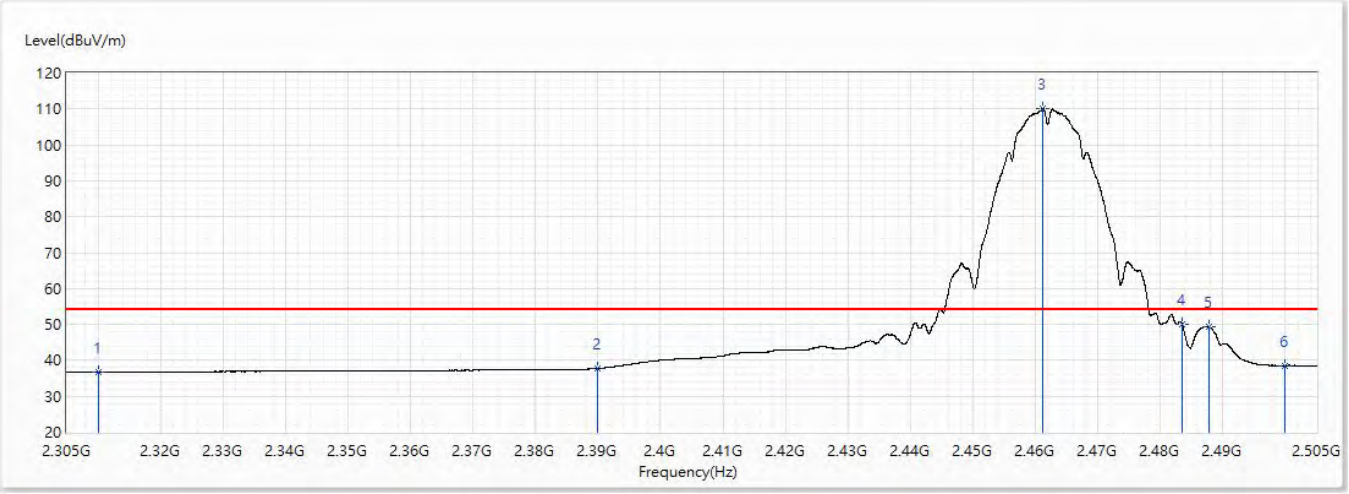


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	48.04	74.00	-25.96	32.47	15.57	PK
2	2390	49.33	74.00	-24.67	33.17	16.16	PK
! 3	2460.9	113.54	74.00	39.54	96.85	16.69	PK
4	2483.5	56.24	74.00	-17.76	39.38	16.86	PK
5	2488.025	57.87	74.00	-16.13	40.97	16.90	PK
6	2500	49.25	74.00	-24.75	32.27	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11b_2462MHz	Humidity (%RH)	51.0

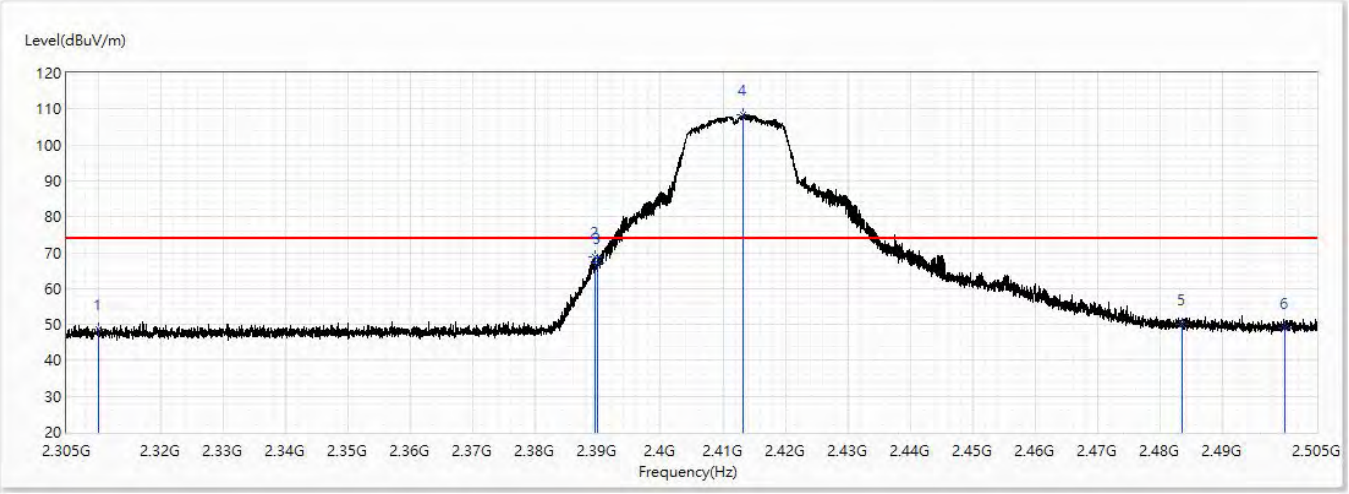


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	36.73	54.00	-17.27	21.16	15.57	AV
2	2390	37.77	54.00	-16.23	21.61	16.16	AV
! 3	2461.25	110.13	54.00	56.13	93.44	16.69	AV
4	2483.5	50.04	54.00	-3.96	33.18	16.86	AV
5	2487.7	49.33	54.00	-4.67	32.44	16.89	AV
6	2500	38.57	54.00	-15.43	21.59	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2412MHz	Humidity (%RH)	51.0

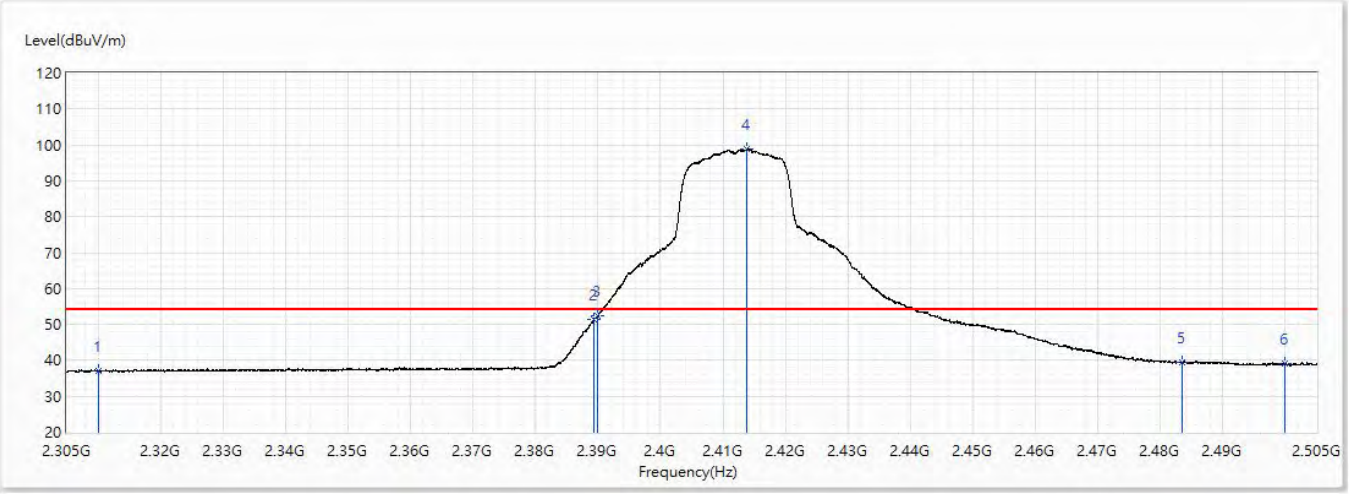


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	48.53	74.00	-25.47	32.96	15.57	PK
2	2389.6	68.95	74.00	-5.05	52.80	16.15	PK
3	2390	67.15	74.00	-6.85	50.99	16.16	PK
! 4	2413.225	108.55	74.00	34.55	92.22	16.33	PK
5	2483.5	49.98	74.00	-24.02	33.12	16.86	PK
6	2500	49.08	74.00	-24.92	32.10	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2412MHz	Humidity (%RH)	51.0

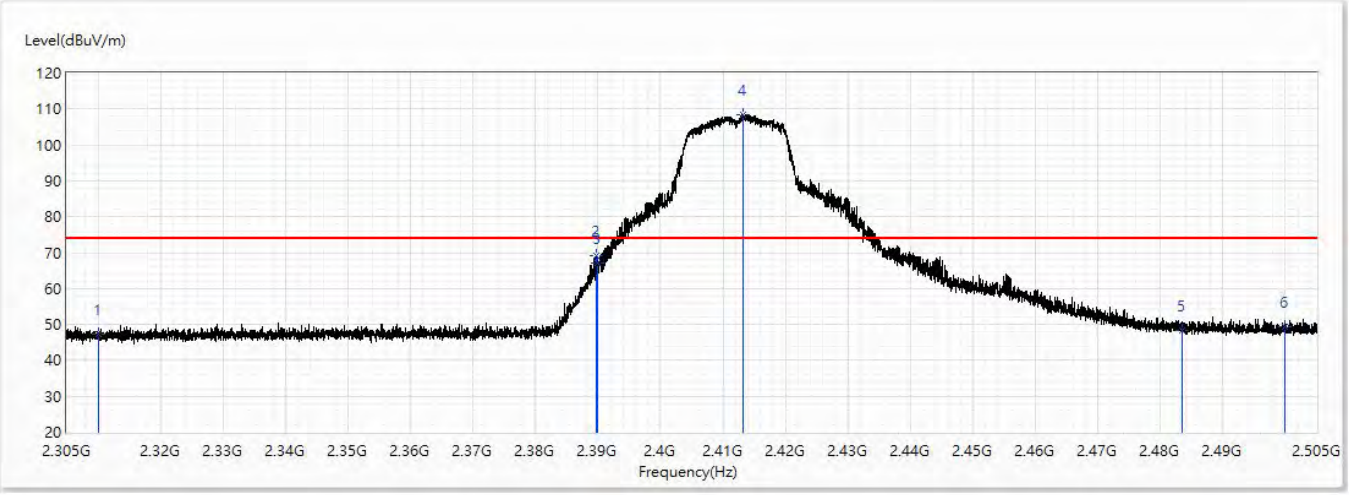


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	37.17	54.00	-16.83	21.60	15.57	AV
2	2389.35	51.35	54.00	-2.65	35.20	16.15	AV
3	2390	52.48	54.00	-1.52	36.32	16.16	AV
! 4	2413.8	98.74	54.00	44.74	82.41	16.33	AV
5	2483.5	39.61	54.00	-14.39	22.75	16.86	AV
6	2500	38.96	54.00	-15.04	21.98	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11g_2412MHz	Humidity (%RH)	51.0

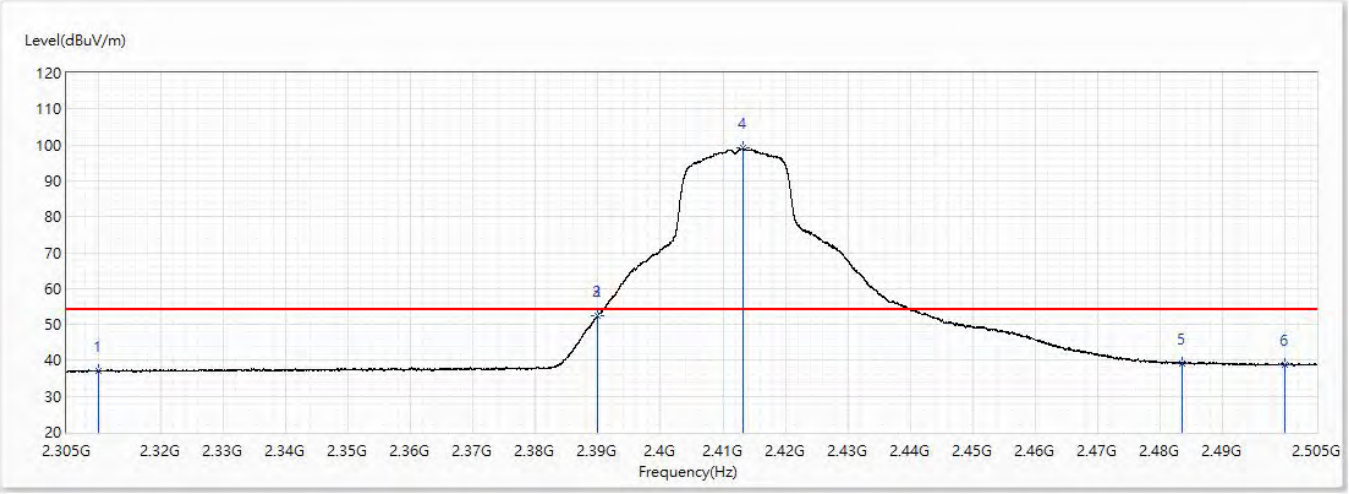


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	47.33	74.00	-26.67	31.76	15.57	PK
2	2389.825	69.00	74.00	-5.00	52.84	16.16	PK
3	2390	67.07	74.00	-6.93	50.91	16.16	PK
! 4	2413.2	108.51	74.00	34.51	92.18	16.33	PK
5	2483.5	48.23	74.00	-25.77	31.37	16.86	PK
6	2500	49.25	74.00	-24.75	32.27	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11g_2412MHz	Humidity (%RH)	51.0

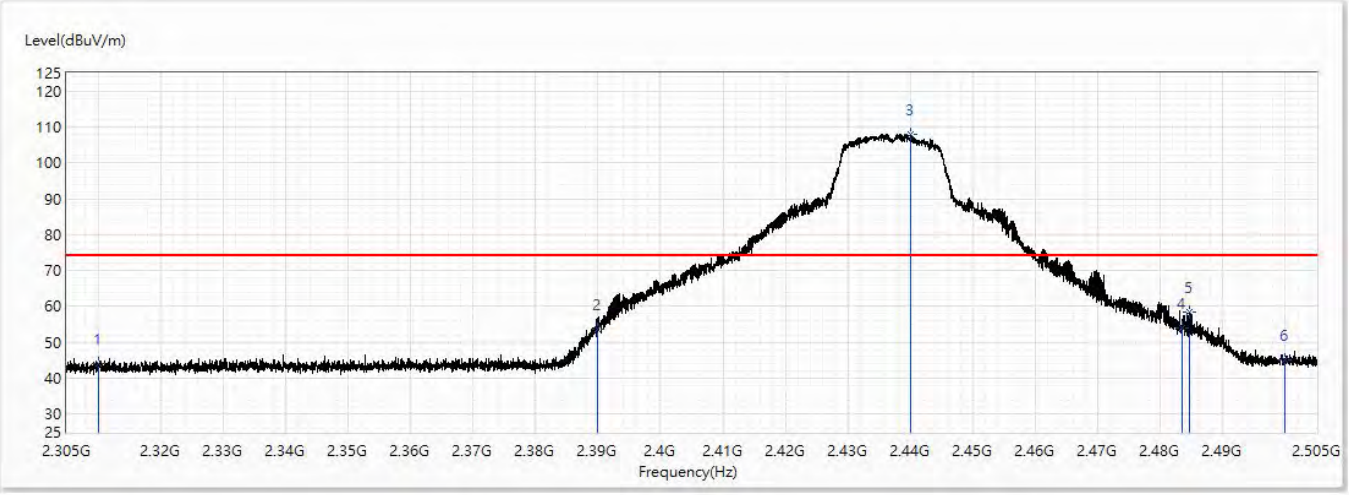


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	36.91	54.00	-17.09	21.34	15.57	AV
2	2389.9	52.45	54.00	-1.55	36.29	16.16	AV
3	2390	52.57	54.00	-1.43	36.41	16.16	AV
! 4	2413.15	99.06	54.00	45.06	82.73	16.33	AV
5	2483.5	39.26	54.00	-14.74	22.40	16.86	AV
6	2500	38.87	54.00	-15.13	21.89	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2437MHz	Humidity (%RH)	51.0

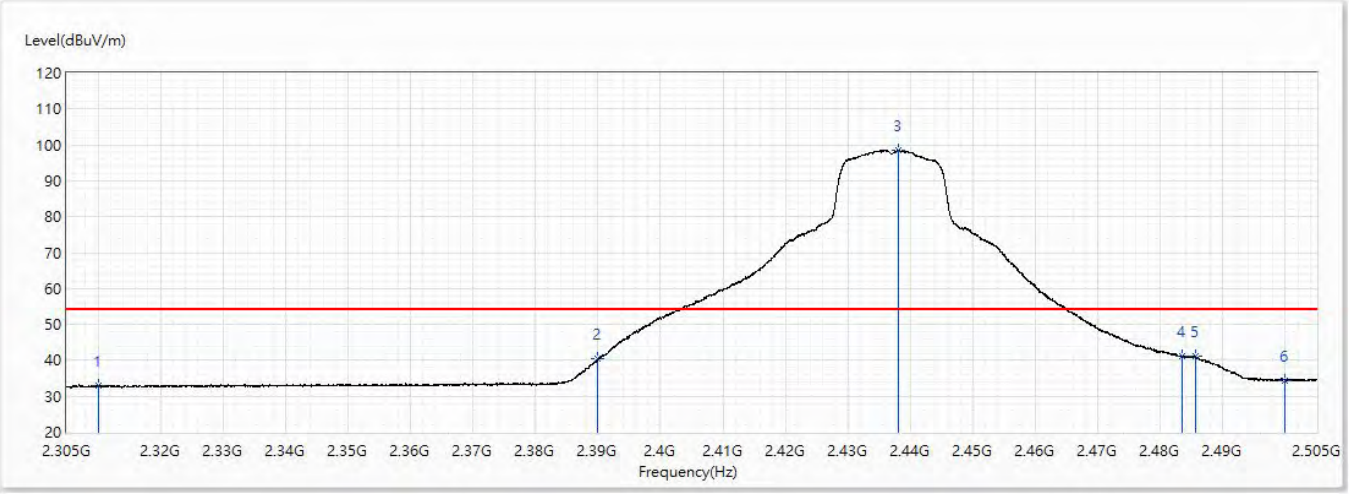


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.08	74.00	-29.92	28.51	15.57	PK
2	2390	53.56	74.00	-20.44	37.40	16.16	PK
! 3	2440	108.04	74.00	34.04	91.51	16.53	PK
4	2483.5	54.08	74.00	-19.92	37.22	16.86	PK
5	2484.575	58.33	74.00	-15.67	41.47	16.86	PK
6	2500	44.99	74.00	-29.01	28.01	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2437MHz	Humidity (%RH)	51.0

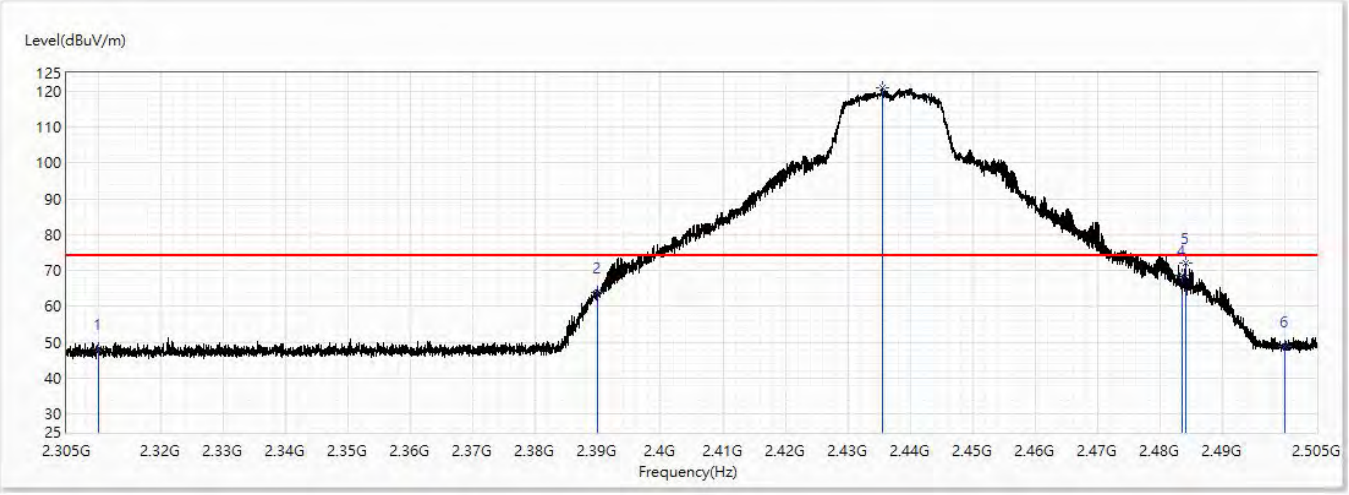


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.84	54.00	-21.16	17.27	15.57	AV
2	2390	40.43	54.00	-13.57	24.27	16.16	AV
! 3	2438.125	98.65	54.00	44.65	82.13	16.52	AV
4	2483.5	41.05	54.00	-12.95	24.19	16.86	AV
5	2485.6	41.07	54.00	-12.93	24.20	16.87	AV
6	2500	34.48	54.00	-19.52	17.50	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11g_2437MHz	Humidity (%RH)	51.0

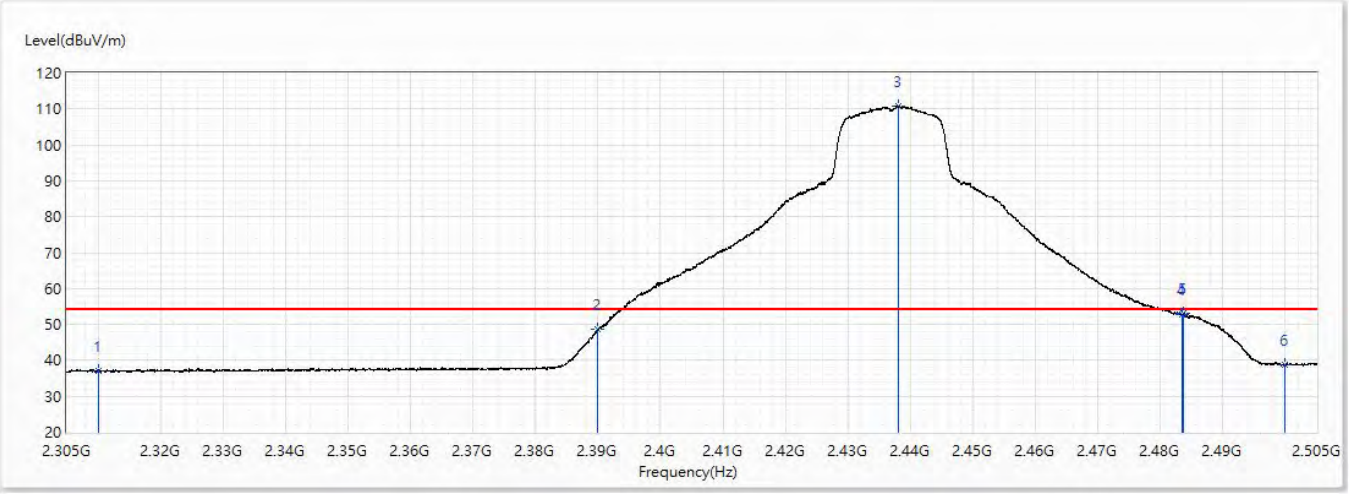


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	48.04	74.00	-25.96	32.47	15.57	PK
2	2390	64.00	74.00	-10.00	47.84	16.16	PK
! 3	2435.6	120.91	74.00	46.91	104.41	16.50	PK
4	2483.5	68.74	74.00	-5.26	51.88	16.86	PK
5	2484.125	72.02	74.00	-1.98	55.16	16.86	PK
6	2500	48.83	74.00	-25.17	31.85	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11g_2437MHz	Humidity (%RH)	51.0

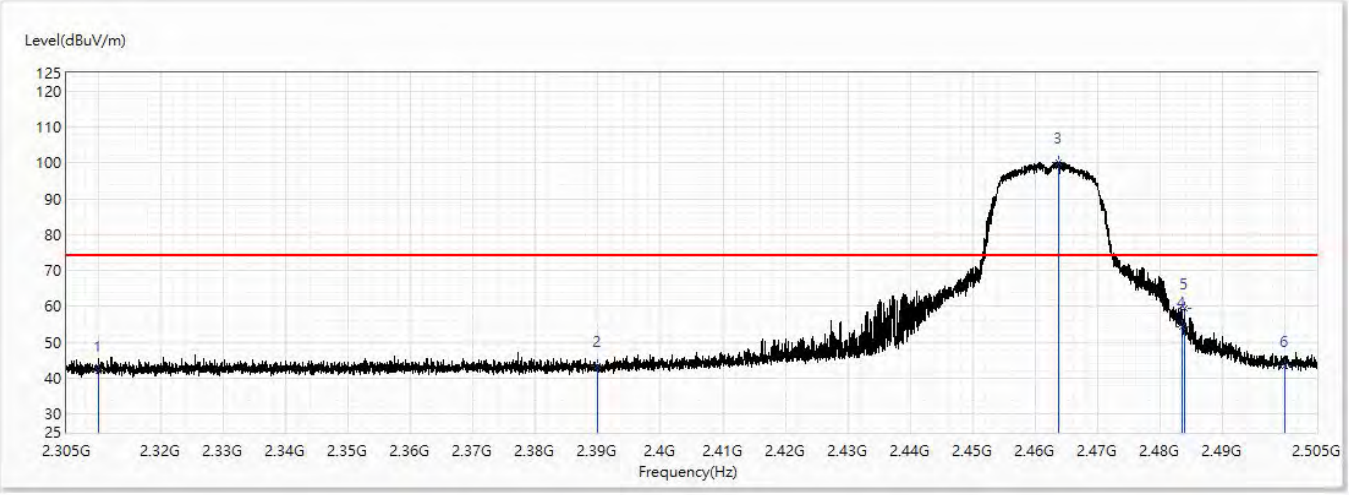


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	37.19	54.00	-16.81	21.62	15.57	AV
2	2390	48.71	54.00	-5.29	32.55	16.16	AV
! 3	2438.05	110.81	54.00	56.81	94.29	16.52	AV
4	2483.5	52.81	54.00	-1.19	35.95	16.86	AV
5	2483.75	53.03	54.00	-0.97	36.17	16.86	AV
6	2500	38.83	54.00	-15.17	21.85	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2462MHz	Humidity (%RH)	51.0

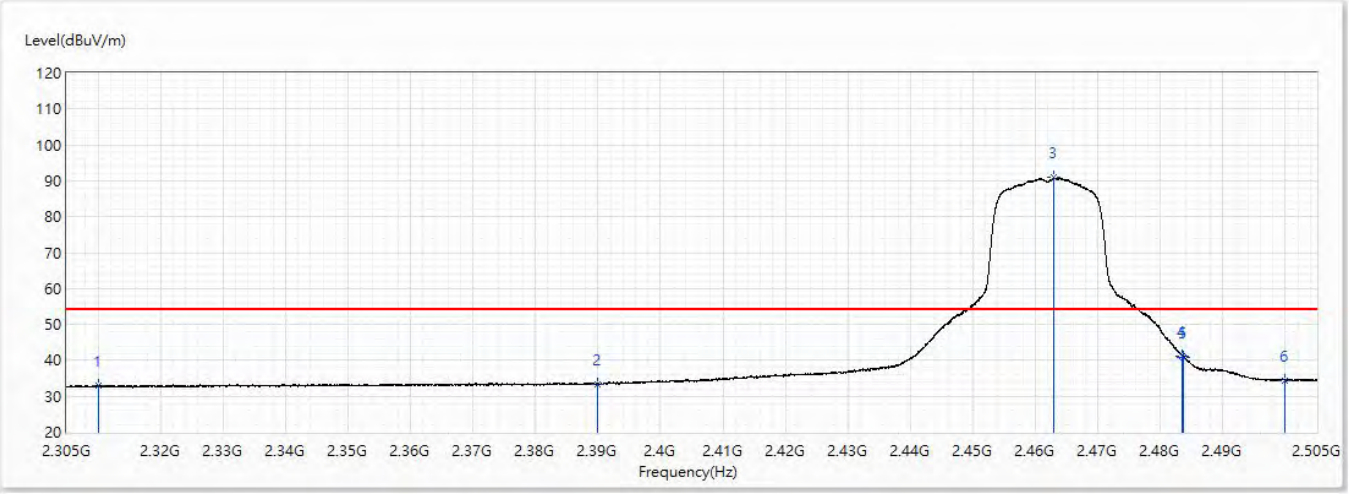


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.11	74.00	-31.89	26.54	15.57	PK
2	2390	43.34	74.00	-30.66	27.18	16.16	PK
! 3	2463.7	100.16	74.00	26.16	83.45	16.71	PK
4	2483.5	54.50	74.00	-19.50	37.64	16.86	PK
5	2483.95	59.49	74.00	-14.51	42.63	16.86	PK
6	2500	43.51	74.00	-30.49	26.53	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Horizontal	Temperature (℃)	18.5
Test Condition	802.11g_2462MHz	Humidity (%RH)	51.0

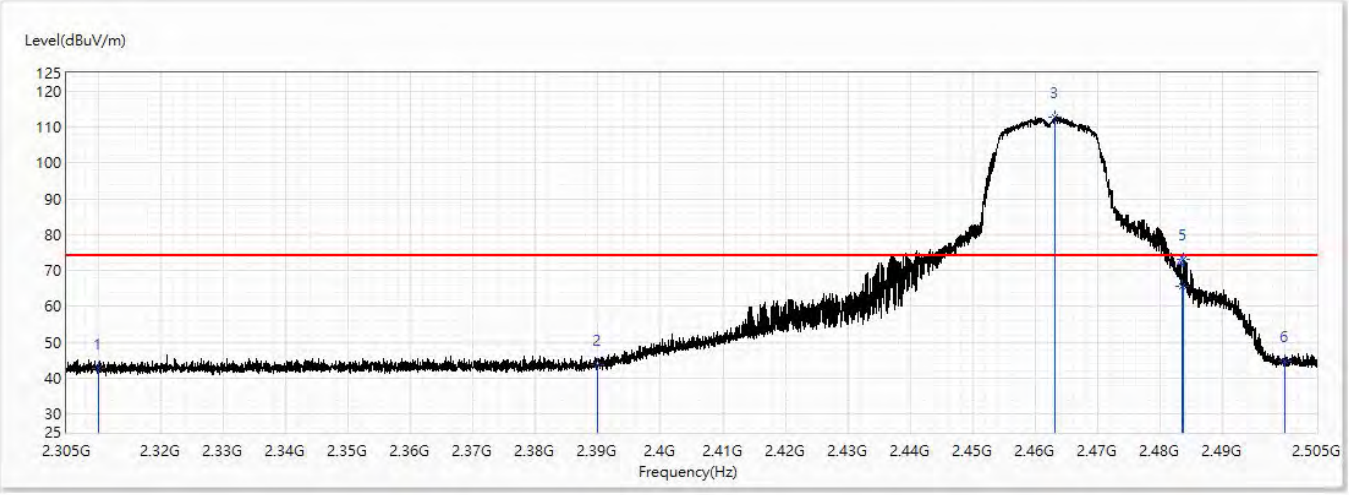


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.84	54.00	-21.16	17.27	15.57	AV
2	2390	33.42	54.00	-20.58	17.26	16.16	AV
! 3	2462.975	90.85	54.00	36.85	74.15	16.70	AV
4	2483.5	41.13	54.00	-12.87	24.27	16.86	AV
5	2483.75	40.73	54.00	-13.27	23.87	16.86	AV
6	2500	34.48	54.00	-19.52	17.50	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11g_2462MHz	Humidity (%RH)	51.0

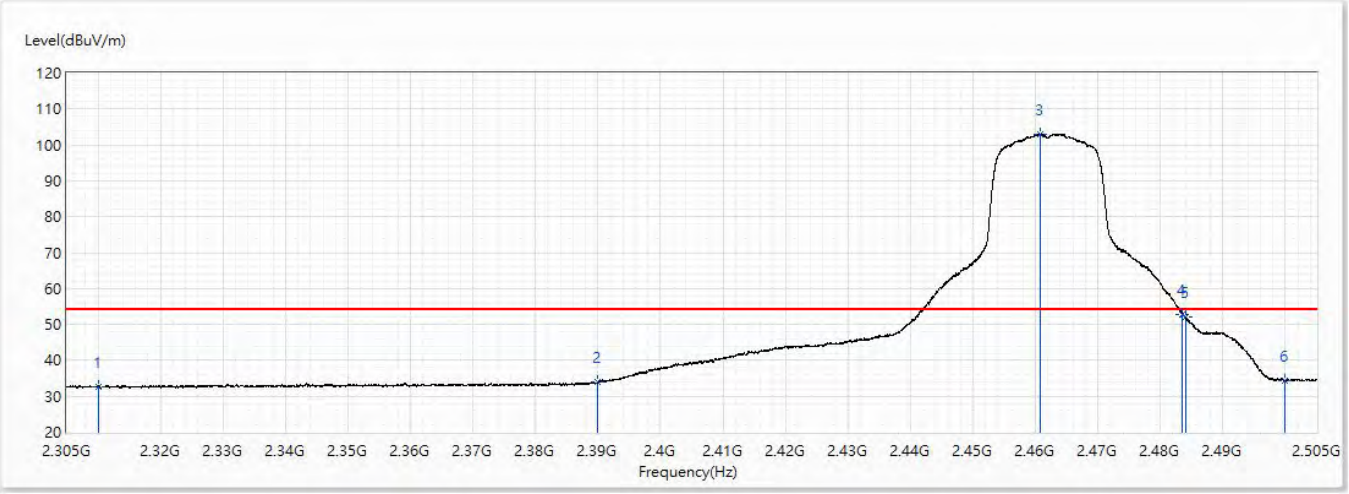


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.73	74.00	-31.27	27.16	15.57	PK
2	2390	43.78	74.00	-30.22	27.62	16.16	PK
! 3	2463.175	112.68	74.00	38.68	95.98	16.70	PK
4	2483.5	65.71	74.00	-8.29	48.85	16.86	PK
5	2483.6	73.09	74.00	-0.91	56.23	16.86	PK
6	2500	44.92	74.00	-29.08	27.94	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11g_2462MHz	Humidity (%RH)	51.0

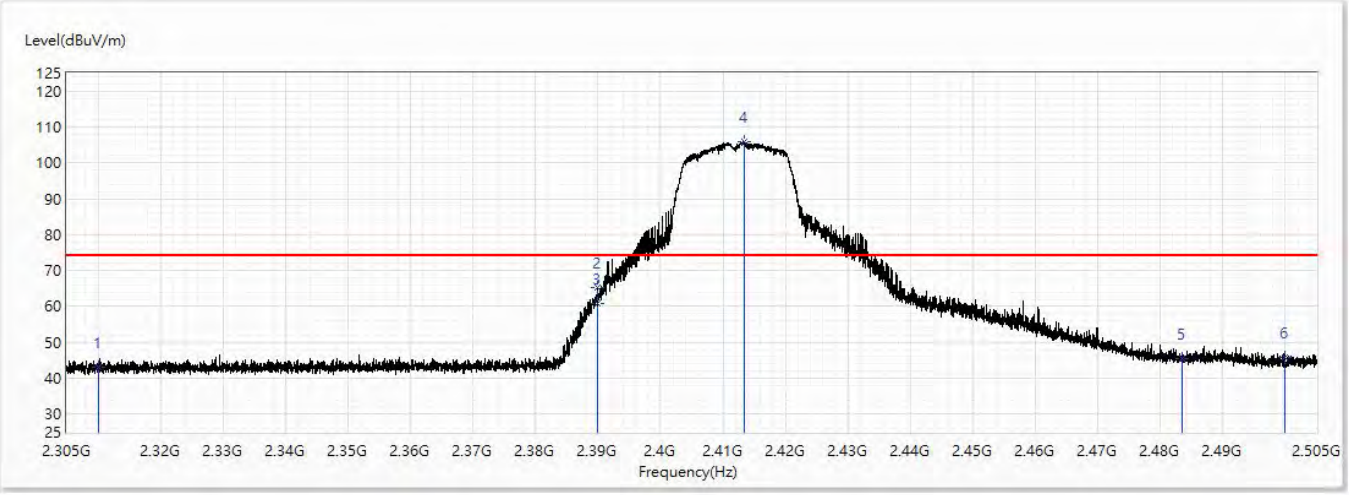


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.66	54.00	-21.34	17.09	15.57	AV
2	2390	33.94	54.00	-20.06	17.78	16.16	AV
! 3	2460.825	103.08	54.00	49.08	86.39	16.69	AV
4	2483.5	52.86	54.00	-1.14	36.00	16.86	AV
5	2484.025	52.11	54.00	-1.89	35.25	16.86	AV
6	2500	34.48	54.00	-19.52	17.50	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2412MHz	Humidity (%RH)	51.0

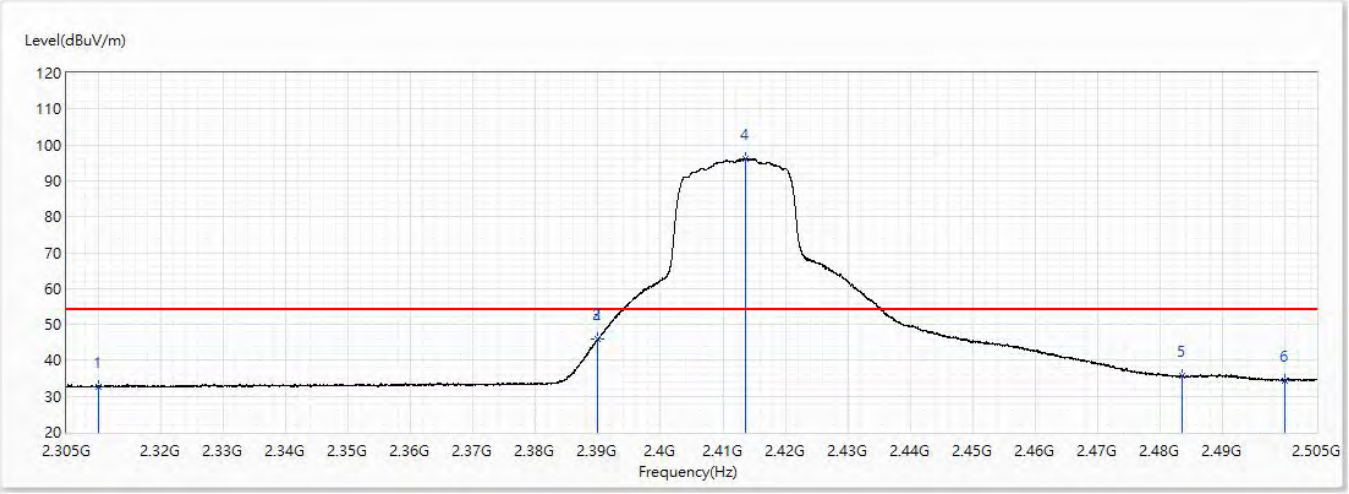


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	43.17	74.00	-30.83	27.60	15.57	PK
2	2389.975	65.29	74.00	-8.71	49.13	16.16	PK
3	2390	61.00	74.00	-13.00	44.84	16.16	PK
! 4	2413.4	105.77	74.00	31.77	89.44	16.33	PK
5	2483.5	45.64	74.00	-28.36	28.78	16.86	PK
6	2500	45.74	74.00	-28.26	28.76	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2412MHz	Humidity (%RH)	51.0

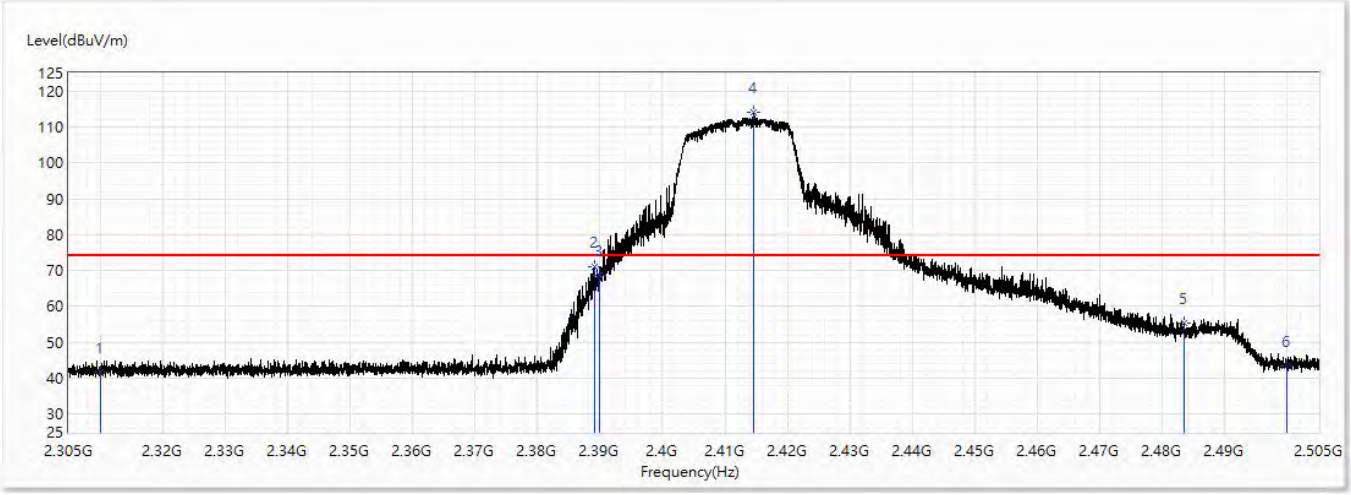


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.76	54.00	-21.24	17.19	15.57	AV
2	2389.9	45.91	54.00	-8.09	29.75	16.16	AV
3	2390	46.04	54.00	-7.96	29.88	16.16	AV
! 4	2413.625	96.22	54.00	42.22	79.89	16.33	AV
5	2483.5	35.62	54.00	-18.38	18.76	16.86	AV
6	2500	34.38	54.00	-19.62	17.40	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11n(20)_2412MHz	Humidity (%RH)	51.0

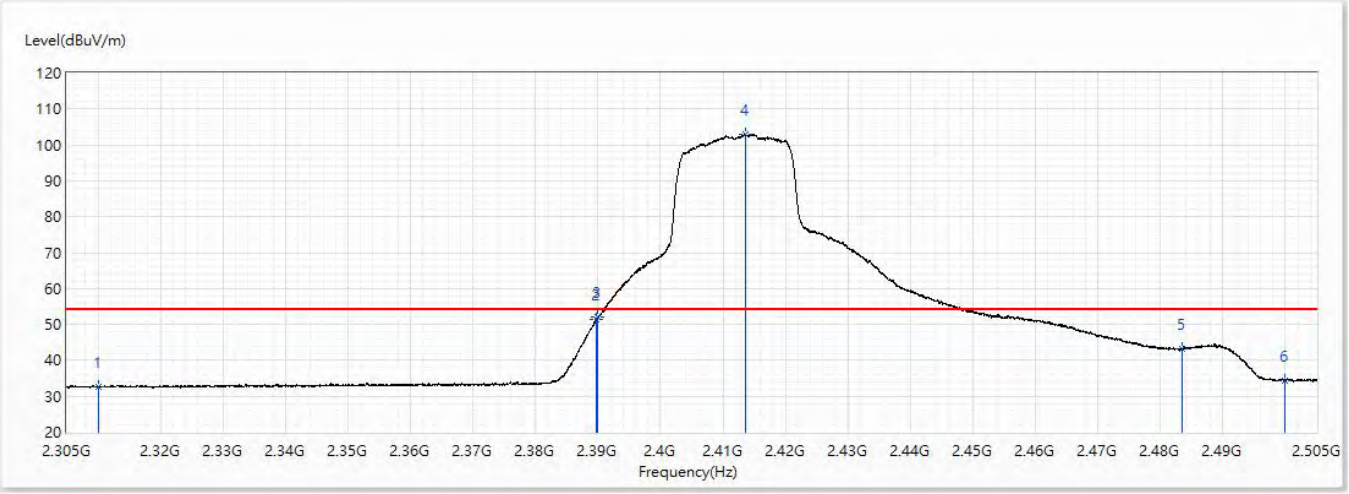


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	41.63	74.00	-32.37	26.06	15.57	PK
2	2389.075	71.09	74.00	-2.91	54.94	16.15	PK
3	2390	68.74	74.00	-5.26	52.58	16.16	PK
! 4	2414.5	114.01	74.00	40.01	97.66	16.35	PK
5	2483.5	55.42	74.00	-18.58	38.56	16.86	PK
6	2500	43.40	74.00	-30.60	26.42	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	2020/2/18
Test Mode	Mode 1: Transmit Mode	Engineer	Max
Polarity	Vertical	Temperature (℃)	18.5
Test Condition	802.11n(20)_2412MHz	Humidity (%RH)	51.0

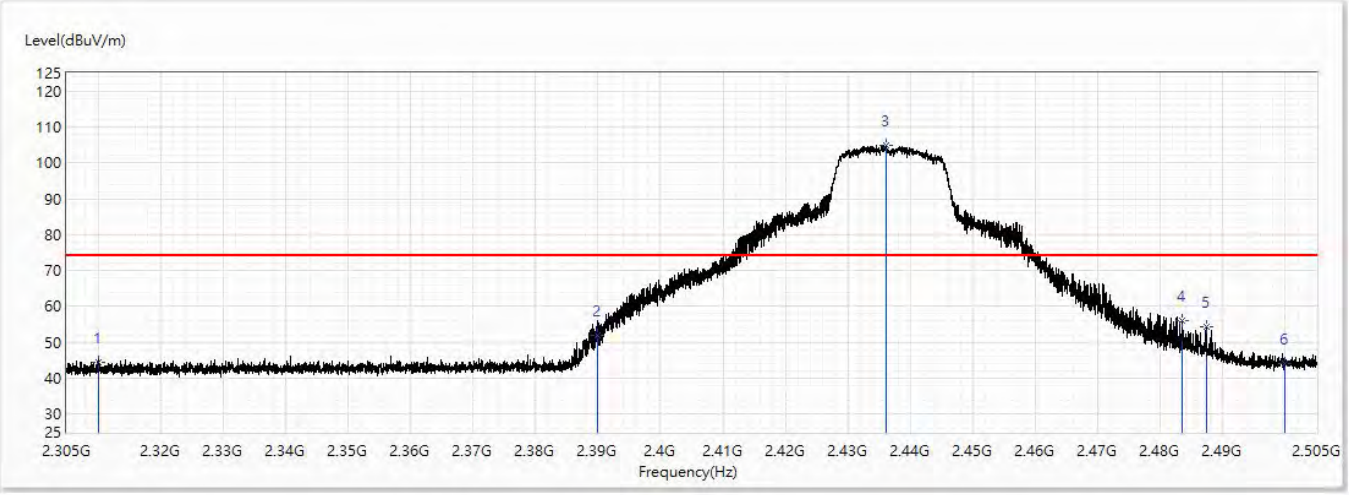


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.61	54.00	-21.39	17.04	15.57	AV
2	2389.825	51.37	54.00	-2.63	35.21	16.16	AV
3	2390	51.96	54.00	-2.04	35.80	16.16	AV
! 4	2413.65	102.84	54.00	48.84	86.51	16.33	AV
5	2483.5	43.31	54.00	-10.69	26.45	16.86	AV
6	2500	34.43	54.00	-19.57	17.45	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2437MHz	Humidity (%RH)	51.0

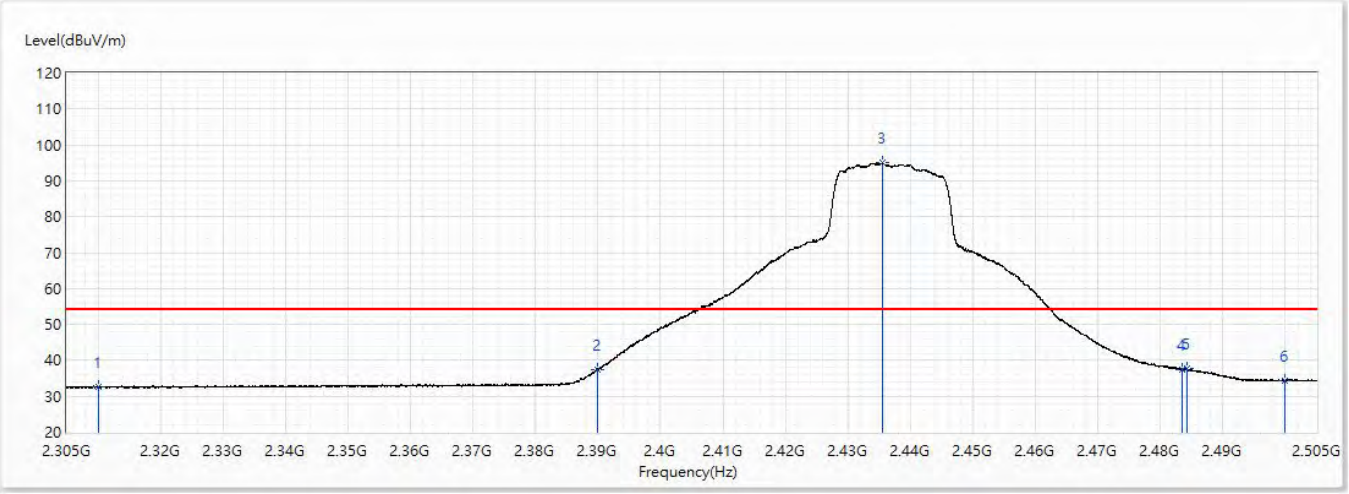


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.58	74.00	-29.42	29.01	15.57	PK
2	2390	52.13	74.00	-21.87	35.97	16.16	PK
! 3	2436.075	105.00	74.00	31.00	88.50	16.50	PK
4	2483.5	55.91	74.00	-18.09	39.05	16.86	PK
5	2487.3	54.22	74.00	-19.78	37.34	16.88	PK
6	2500	44.13	74.00	-29.87	27.15	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2437MHz	Humidity (%RH)	51.0

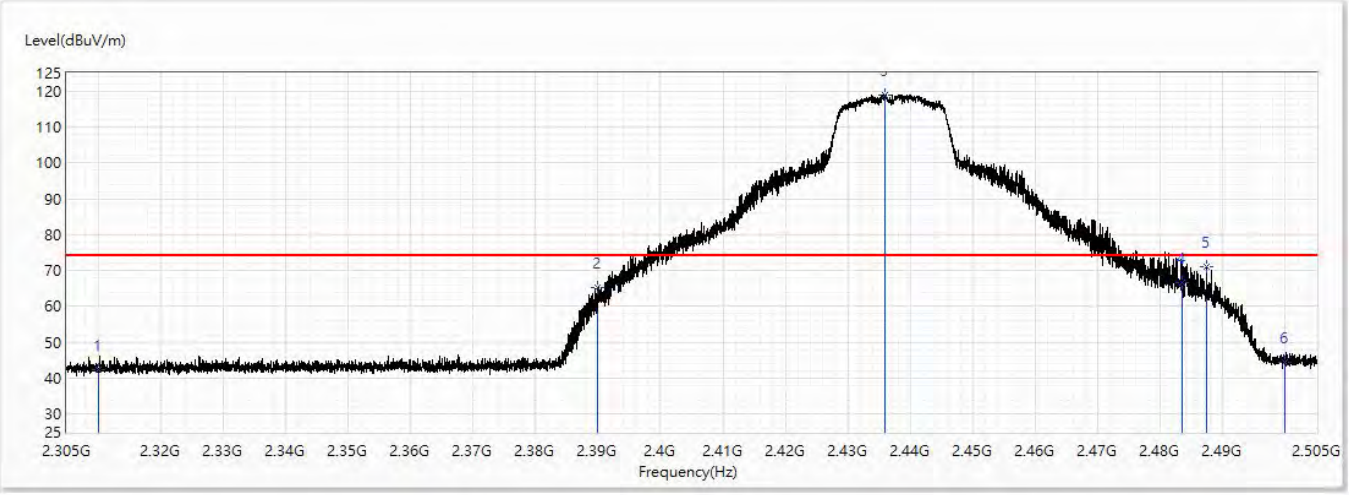


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.51	54.00	-21.49	16.94	15.57	AV
2	2390	37.55	54.00	-16.45	21.39	16.16	AV
! 3	2435.6	95.01	54.00	41.01	78.51	16.50	AV
4	2483.5	37.57	54.00	-16.43	20.71	16.86	AV
5	2484.175	37.66	54.00	-16.34	20.80	16.86	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. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2437MHz	Humidity (%RH)	51.0

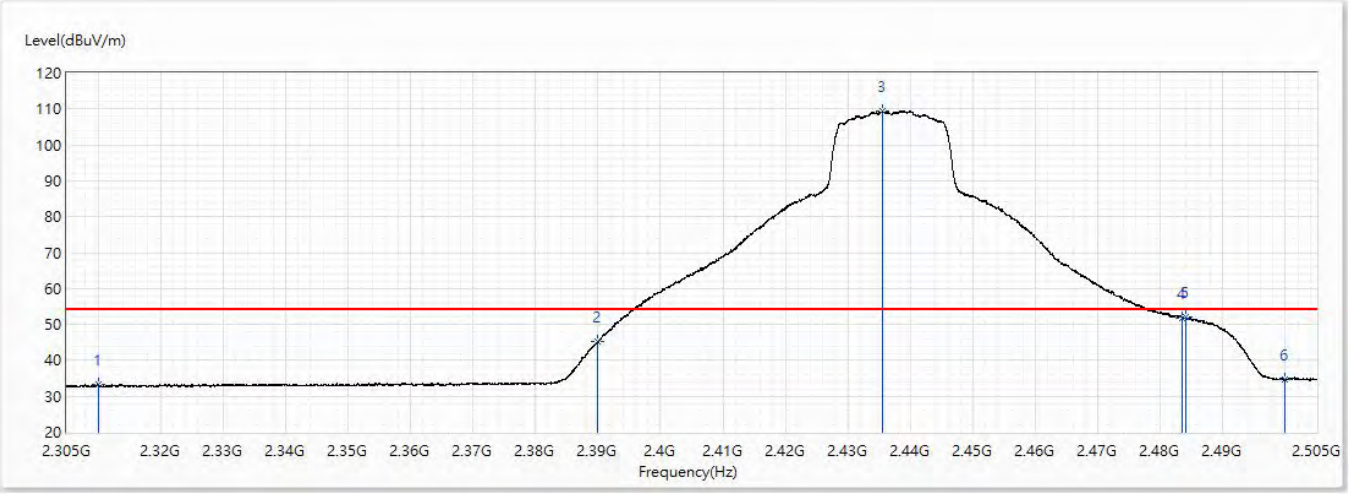


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	42.57	74.00	-31.43	27.00	15.57	PK
2	2390	65.17	74.00	-8.83	49.01	16.16	PK
! 3	2435.925	119.01	74.00	45.01	102.51	16.50	PK
4	2483.5	66.56	74.00	-7.44	49.70	16.86	PK
5	2487.375	71.08	74.00	-2.92	54.20	16.88	PK
6	2500	44.48	74.00	-29.52	27.50	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2437MHz	Humidity (%RH)	51.0

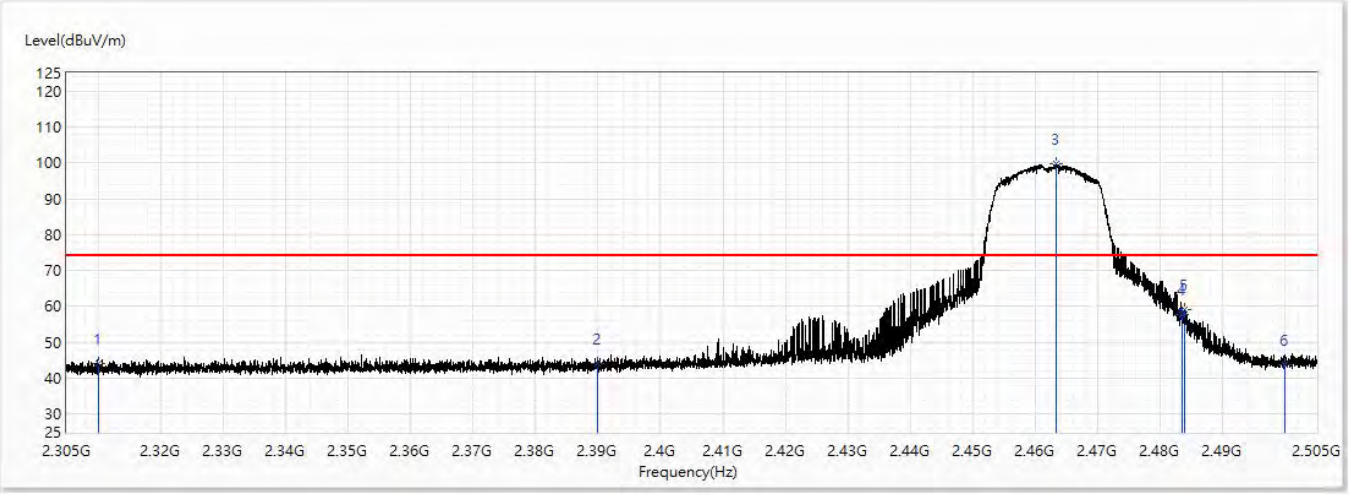


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	33.43	54.00	-20.57	17.86	15.57	AV
2	2390	45.12	54.00	-8.88	28.96	16.16	AV
! 3	2435.525	109.49	54.00	55.49	92.99	16.50	AV
4	2483.5	51.72	54.00	-2.28	34.86	16.86	AV
5	2484.025	52.11	54.00	-1.89	35.25	16.86	AV
6	2500	34.62	54.00	-19.38	17.64	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2462MHz	Humidity (%RH)	51.0

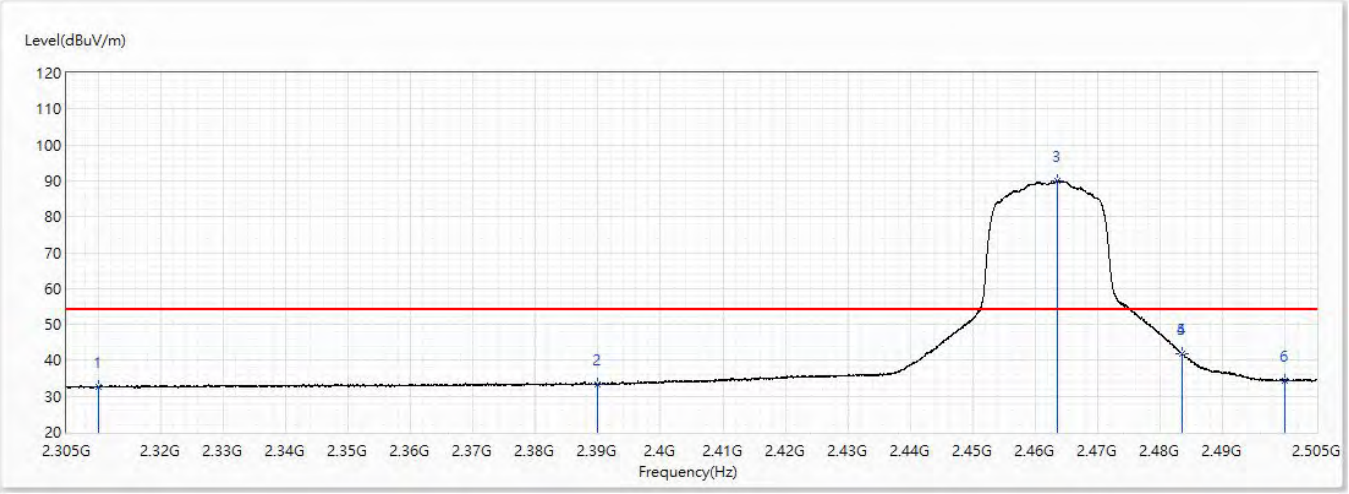


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	44.17	74.00	-29.83	28.60	15.57	PK
2	2390	44.23	74.00	-29.77	28.07	16.16	PK
! 3	2463.25	99.84	74.00	25.84	83.13	16.71	PK
4	2483.5	57.72	74.00	-16.28	40.86	16.86	PK
5	2483.875	59.21	74.00	-14.79	42.35	16.86	PK
6	2500	43.91	74.00	-30.09	26.93	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2462MHz	Humidity (%RH)	51.0

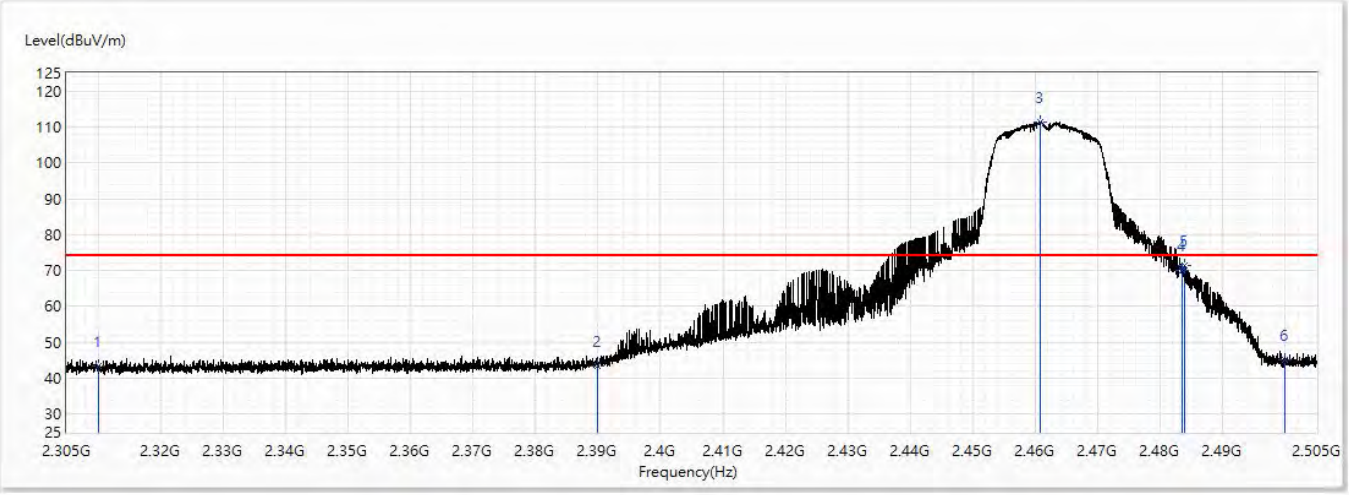


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.56	54.00	-21.44	16.99	15.57	AV
2	2390	33.45	54.00	-20.55	17.29	16.16	AV
! 3	2463.5	90.06	54.00	36.06	73.35	16.71	AV
4	2483.5	41.77	54.00	-12.23	24.91	16.86	AV
5	2483.525	41.75	54.00	-12.25	24.89	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. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2462MHz	Humidity (%RH)	51.0

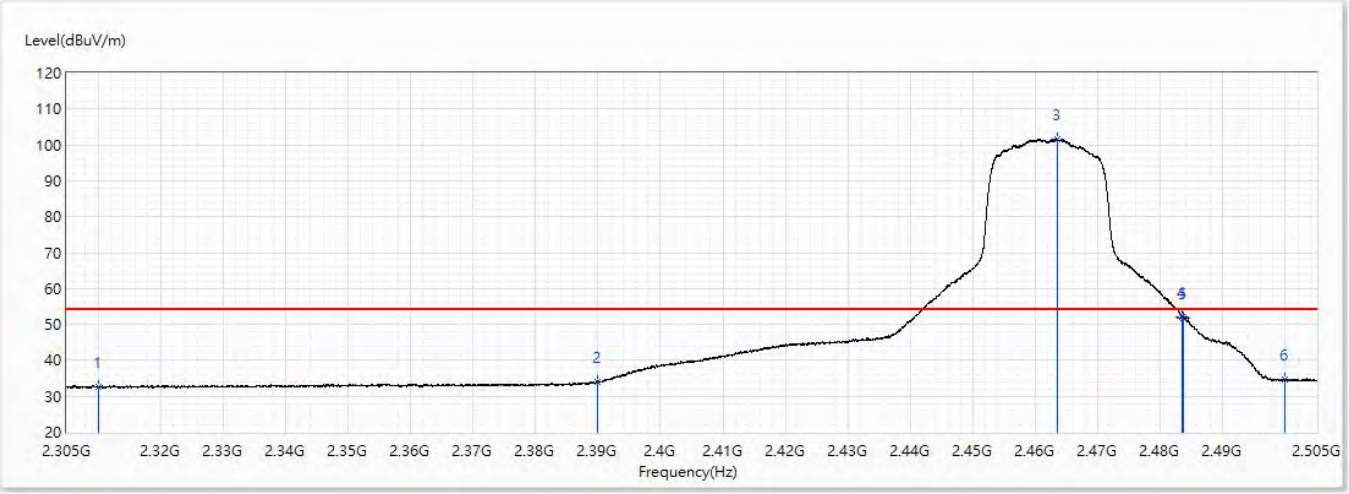


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	43.56	74.00	-30.44	27.99	15.57	PK
2	2390	43.35	74.00	-30.65	27.19	16.16	PK
! 3	2460.8	111.30	74.00	37.30	94.61	16.69	PK
4	2483.5	70.21	74.00	-3.79	53.35	16.86	PK
5	2483.8	71.57	74.00	-2.43	54.71	16.86	PK
6	2500	45.08	74.00	-28.92	28.10	16.98	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. 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	802.11n(20)_2462MHz	Humidity (%RH)	51.0



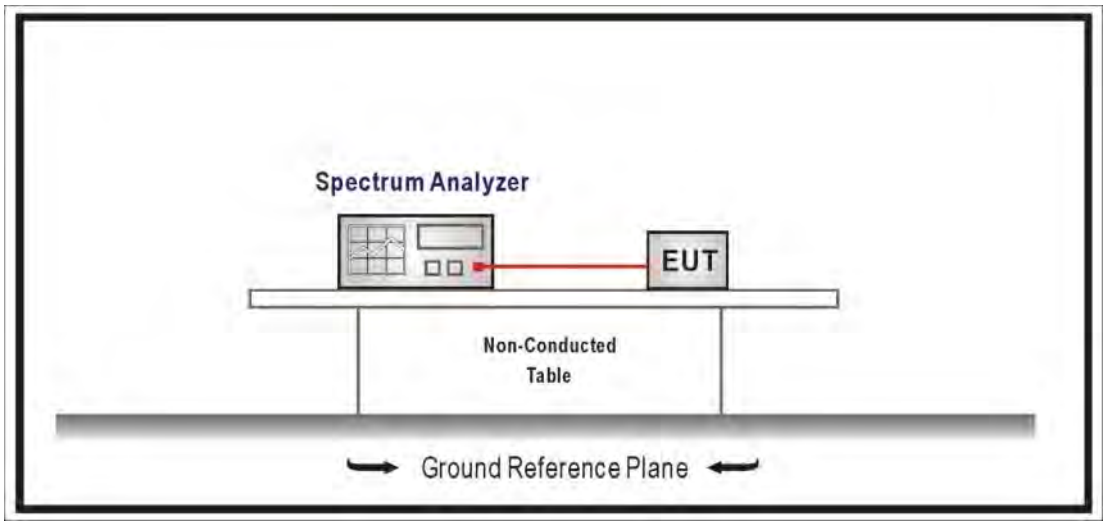
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
1	2310	32.69	54.00	-21.31	17.12	15.57	AV
2	2390	34.09	54.00	-19.91	17.93	16.16	AV
! 3	2463.45	101.56	54.00	47.56	84.85	16.71	AV
4	2483.5	52.18	54.00	-1.82	35.32	16.86	AV
5	2483.75	51.80	54.00	-2.20	34.94	16.86	AV
6	2500	34.53	54.00	-19.47	17.55	16.98	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “! ”, means this data is the worst emission level.
5. Emission Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
7. The fundamental for reference only, it’s not restricted by unwanted emission limit.

7. DTS Bandwidth

7.1. Test Setup



7.2. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested procedure section 8.1 of KDB 558074 D01 V05 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, Set the VBW≧3xRBW, Sweep Time=Auto, Set Peak Detector.

7.3. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.4. Test Specification

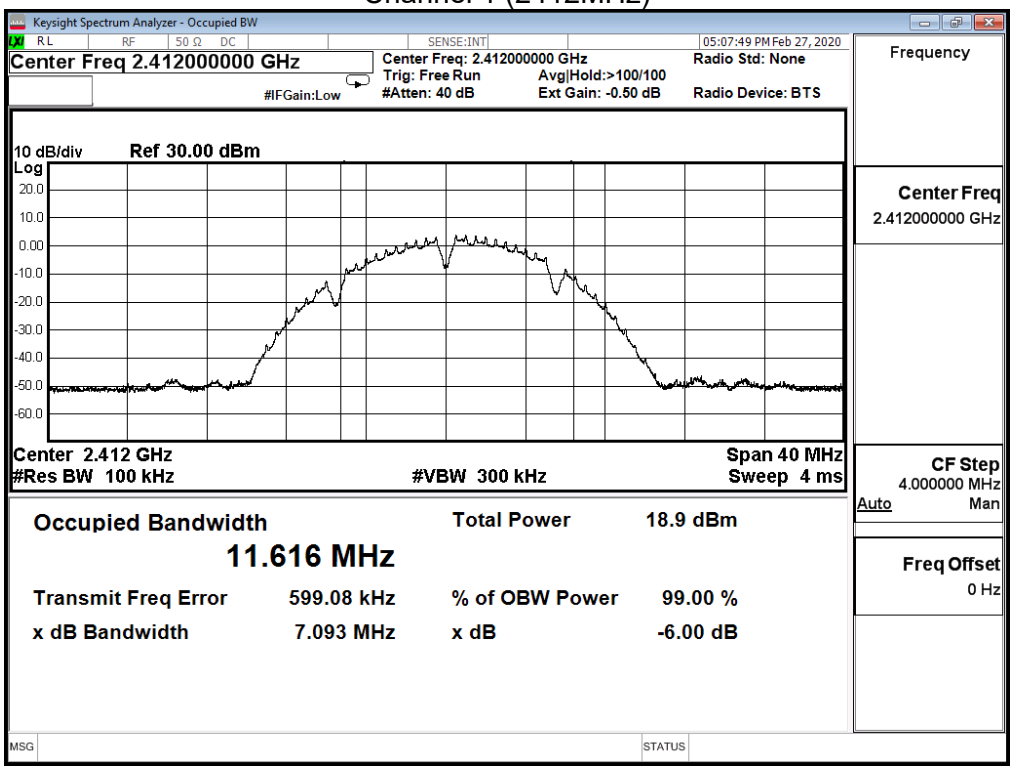
According to FCC Part 15 Subpart C Paragraph 15.247: 2018

7.5. Test Result

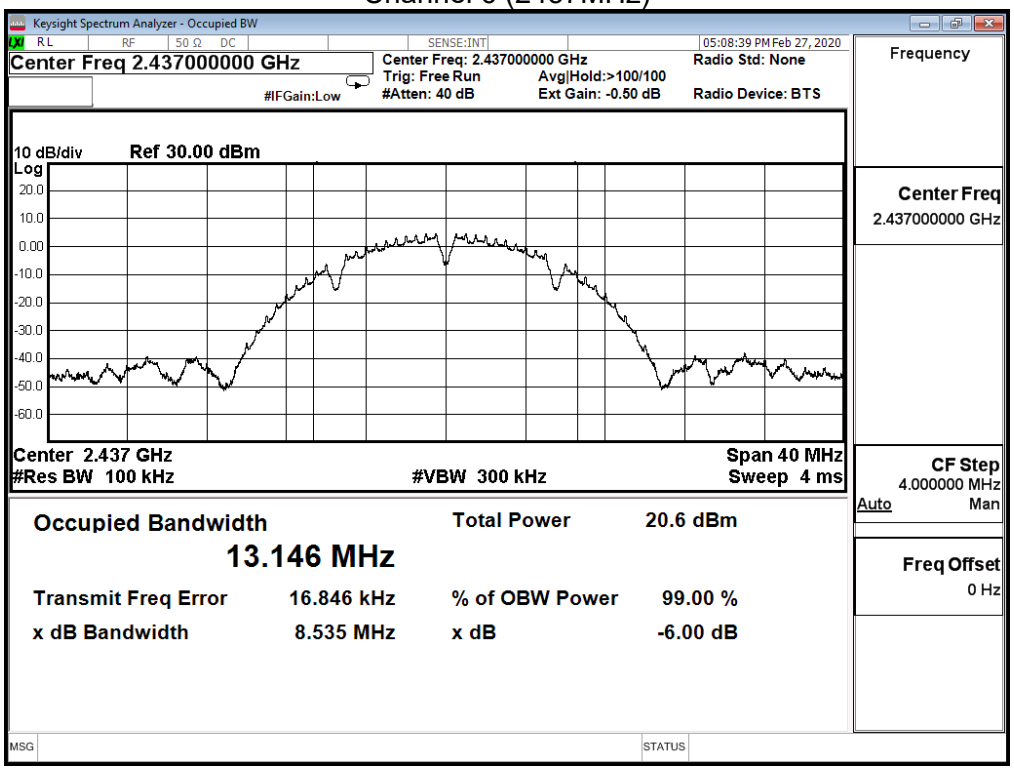
Product	Android Based UI		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	7.093	≧0.5	Pass
6	2437	8.535	≧0.5	Pass
11	2462	8.083	≧0.5	Pass

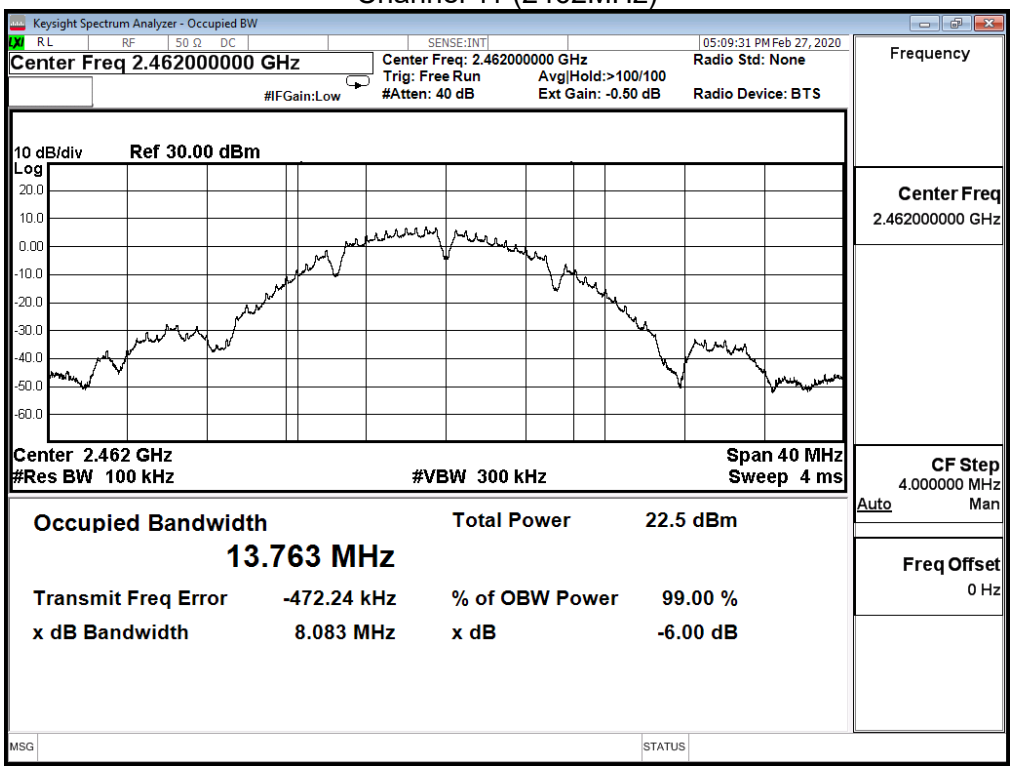
Channel 1 (2412MHz)



Channel 6 (2437MHz)



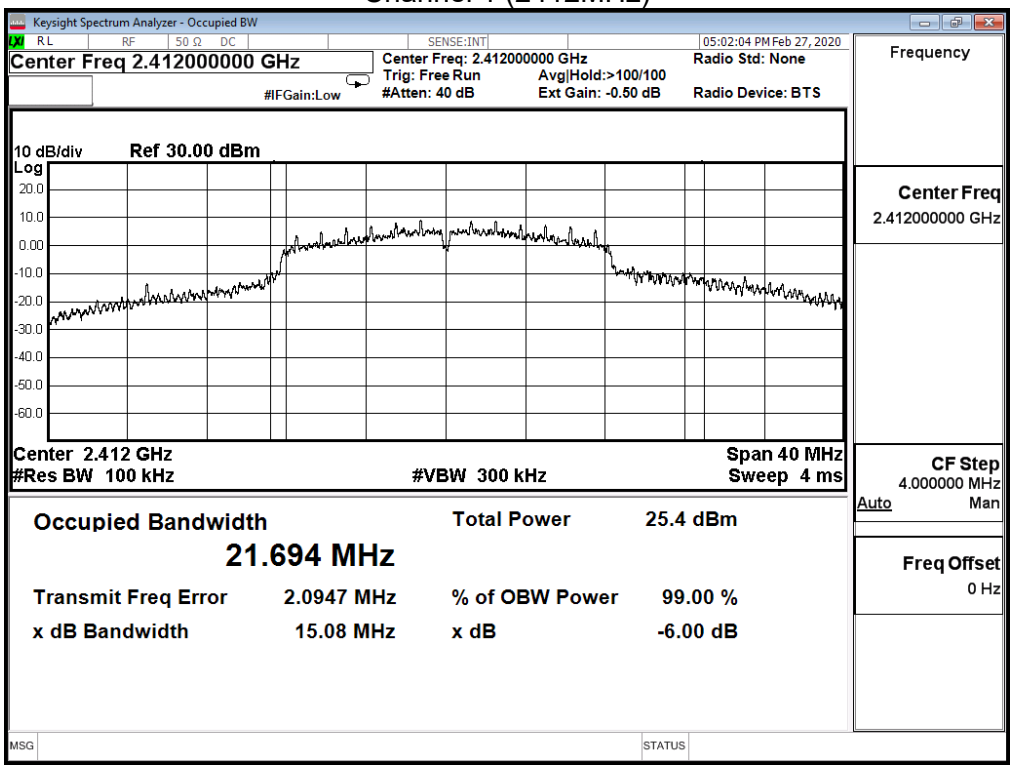
Channel 11 (2462MHz)



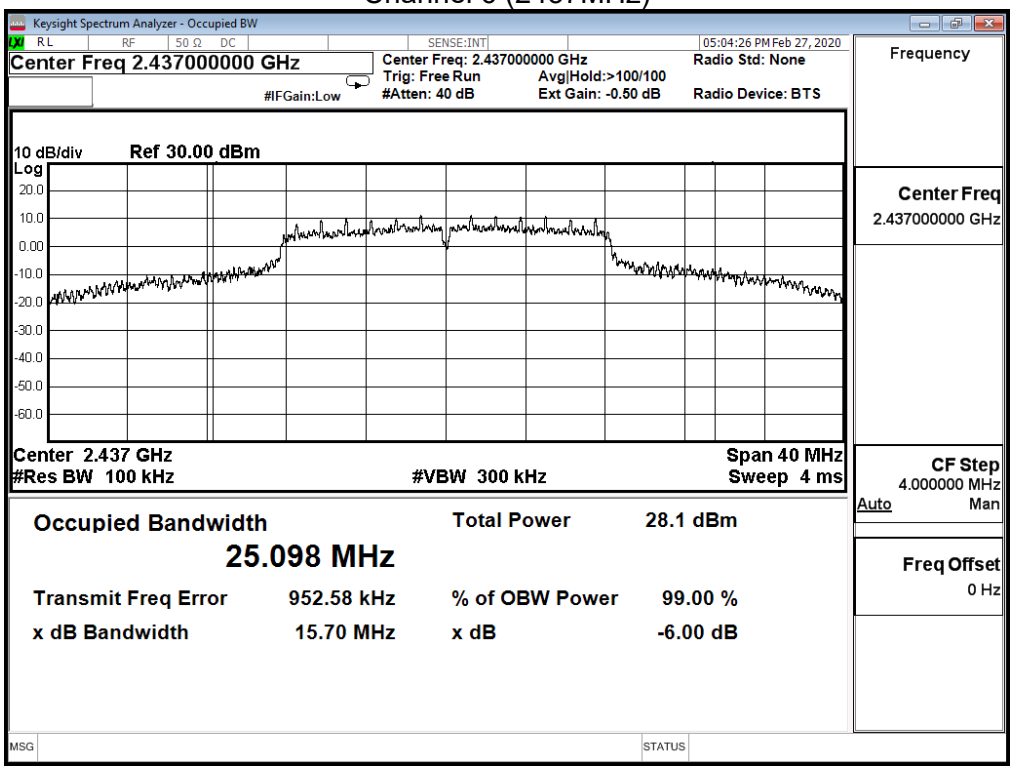
Product	Android Based UI		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	15.080	≧0.5	Pass
6	2437	15.700	≧0.5	Pass
11	2462	12.580	≧0.5	Pass

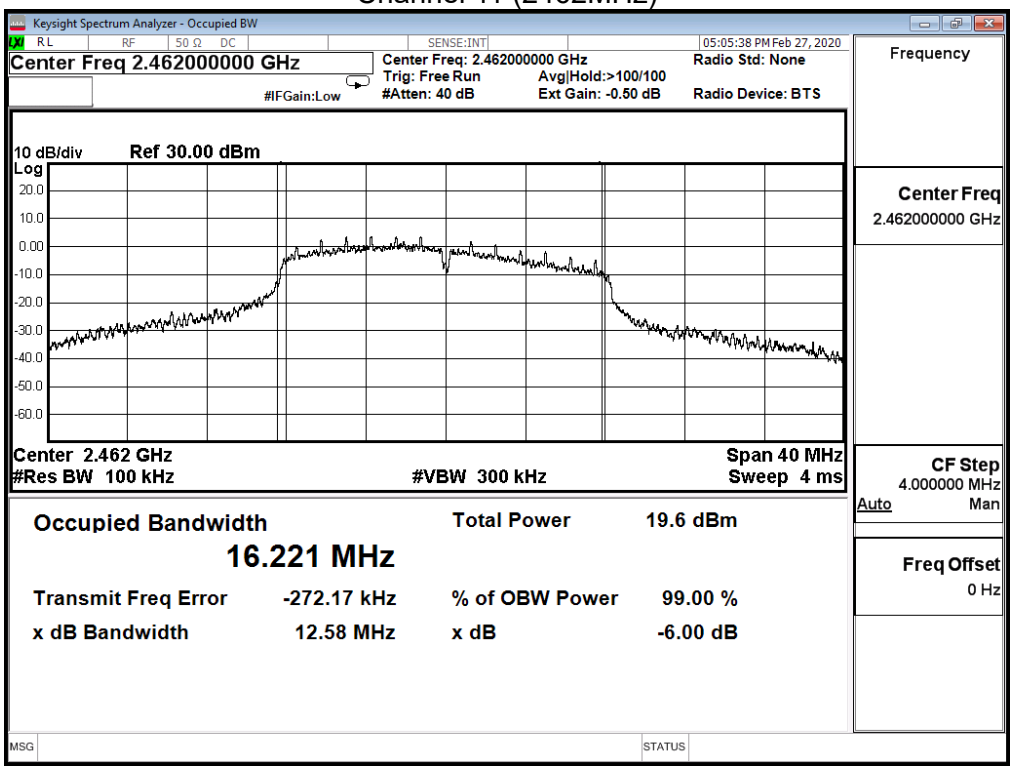
Channel 1 (2412MHz)



Channel 6 (2437MHz)



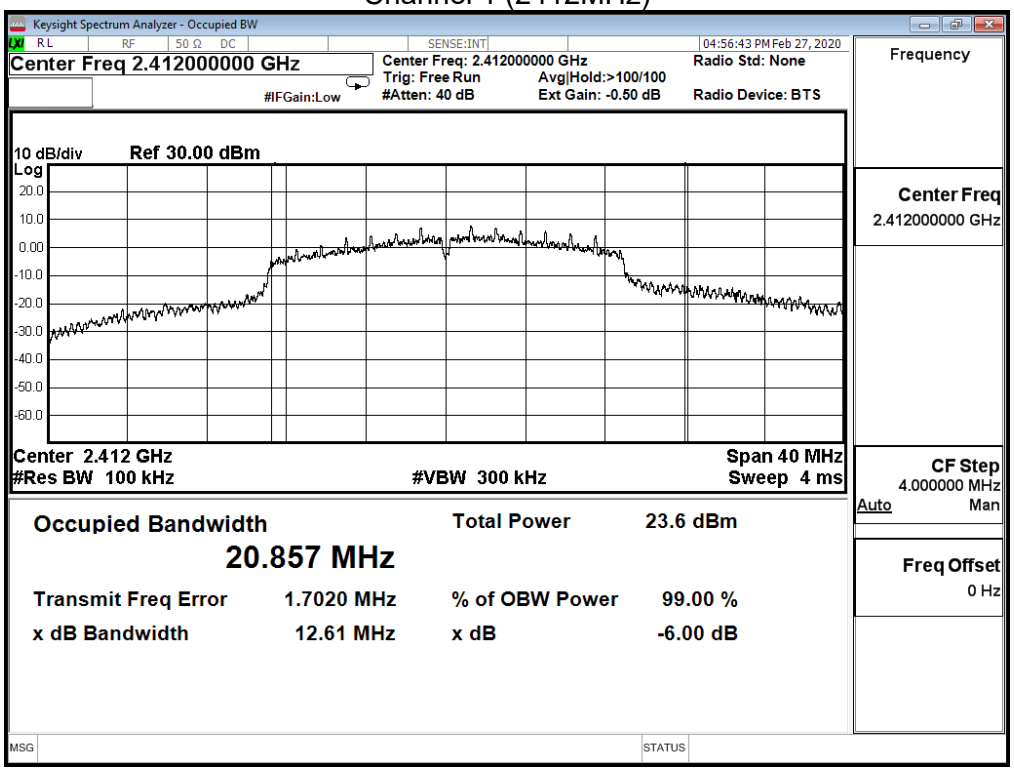
Channel 11 (2462MHz)



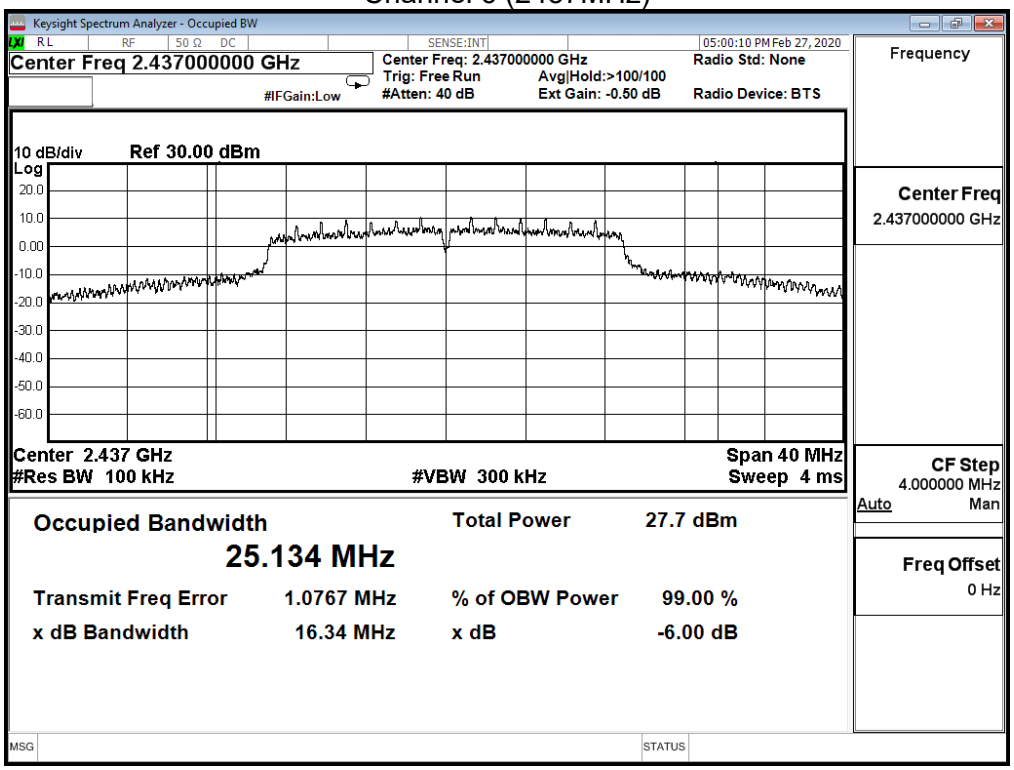
Product	Android Based UI		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

IEEE 802.11n 20M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	12.610	≧0.5	Pass
6	2437	16.340	≧0.5	Pass
11	2462	12.580	≧0.5	Pass

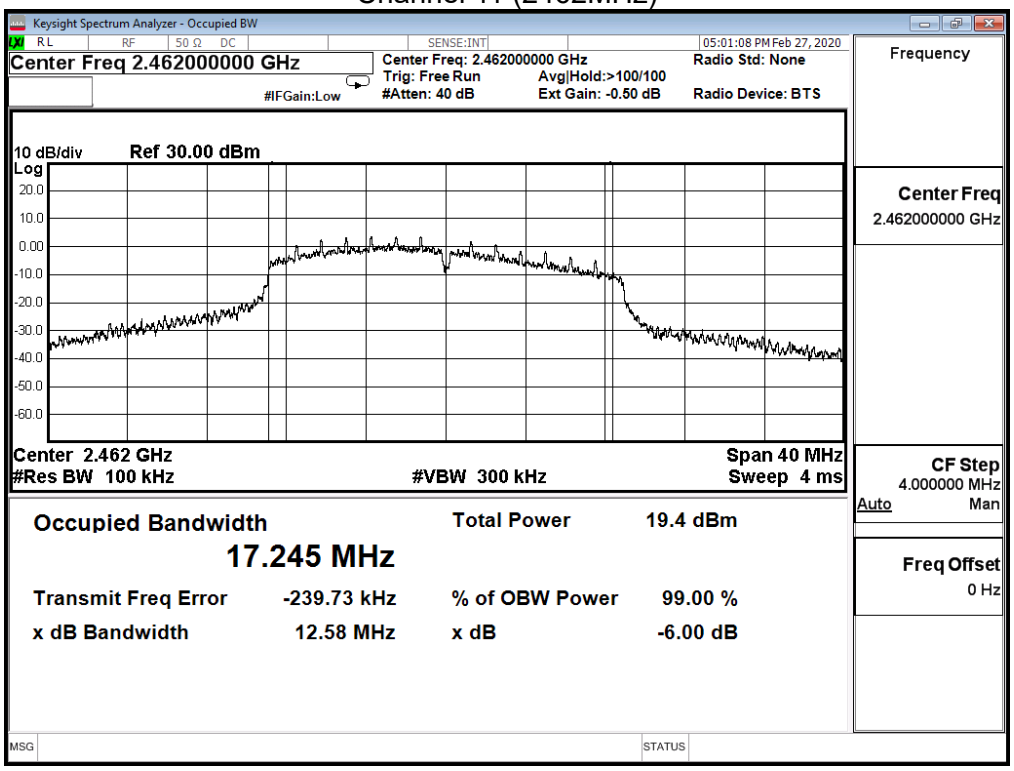
Channel 1 (2412MHz)



Channel 6 (2437MHz)

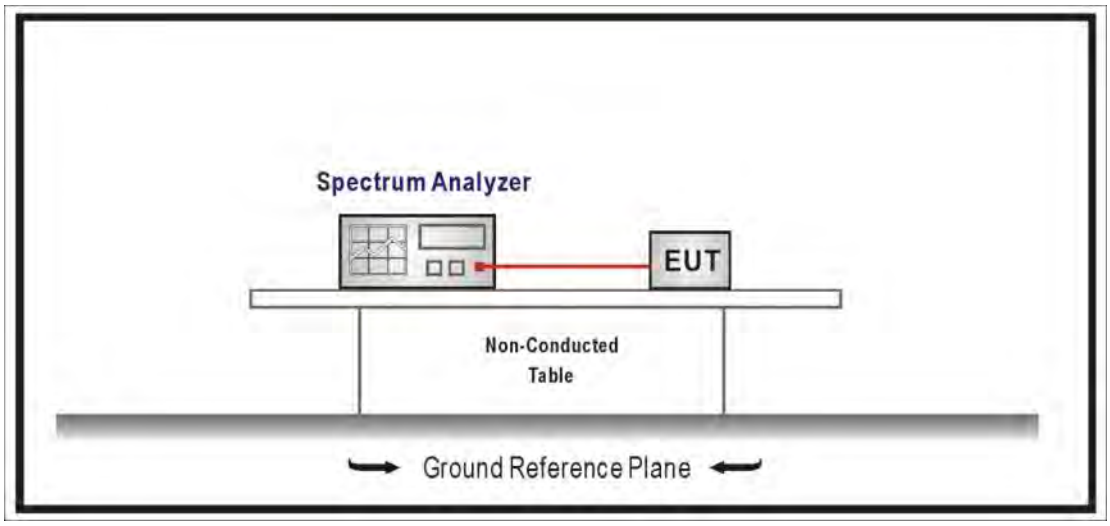


Channel 11 (2462MHz)



8. Occupied Bandwidth

8.1. Test Setup



8.2. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 V05 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 1-5% of the OBW, Set the VBW≧3xRBW, Sweep Time=Auto.

8.3. Limits

N/A

8.4. Test Specification

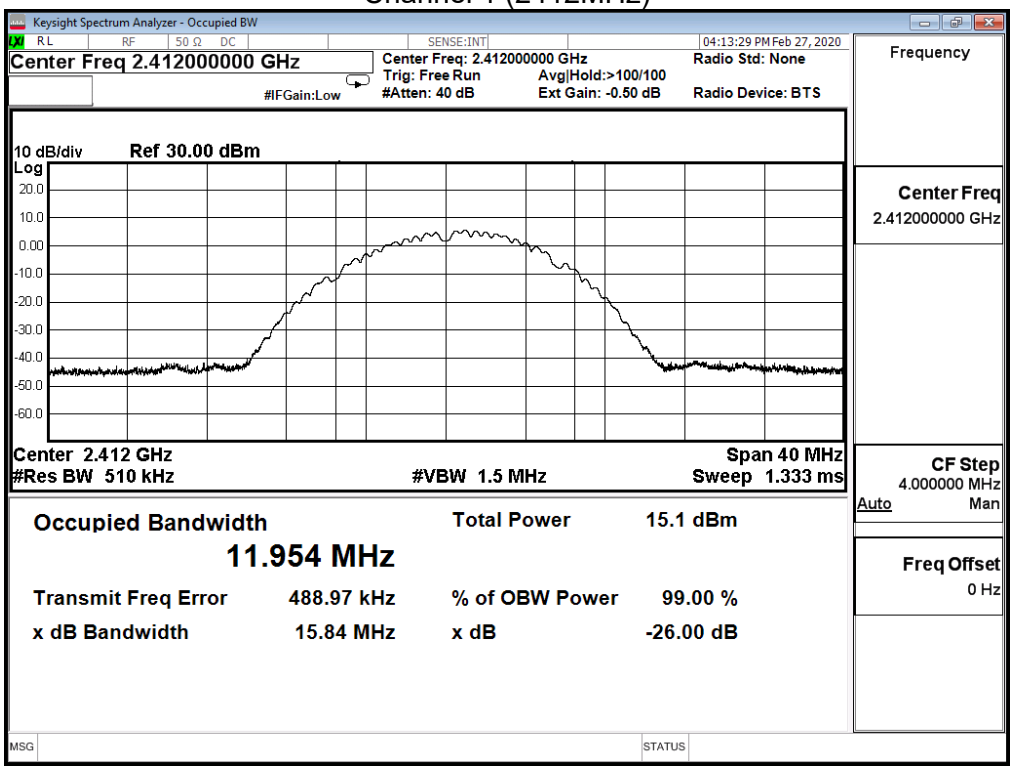
According to FCC Part 15 Subpart C Paragraph 15.247: 2018

8.5. Test Result

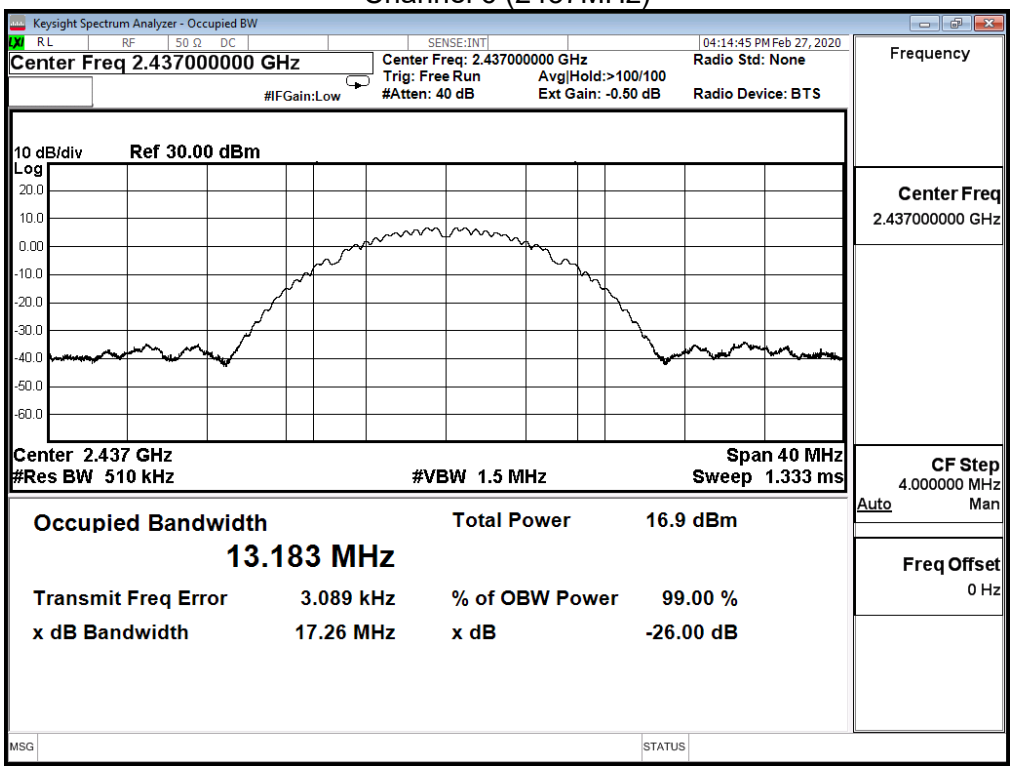
Product	Android Based UI		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	11.954	---
6	2437	13.183	---
11	2462	13.550	---

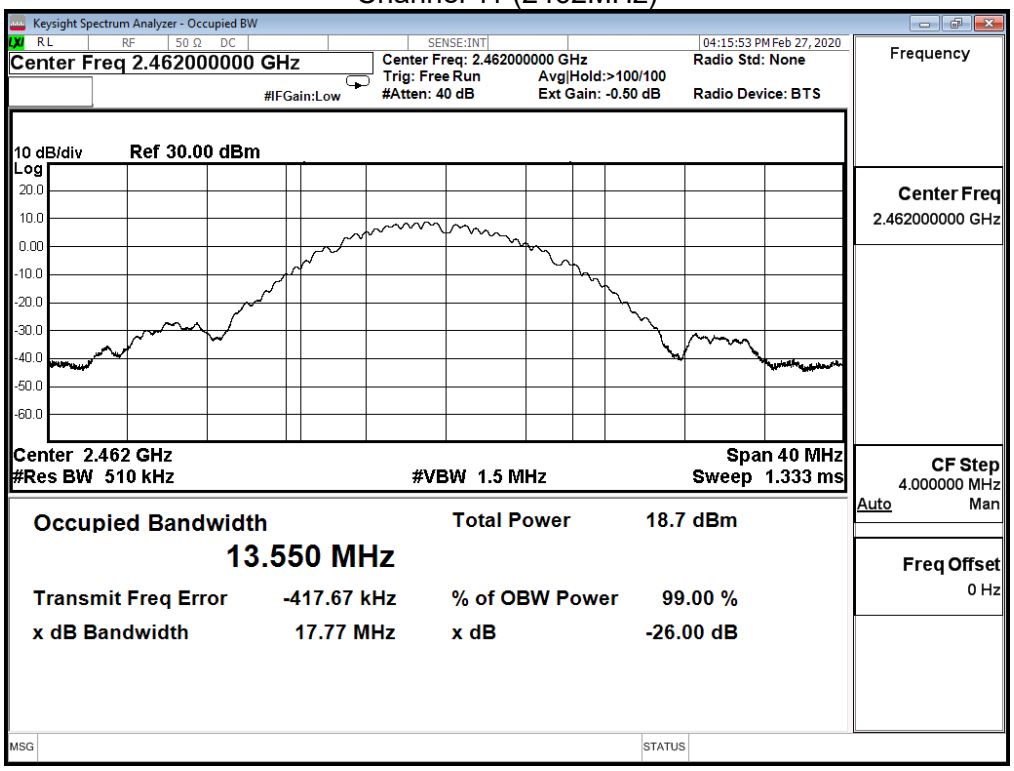
Channel 1 (2412MHz)



Channel 6 (2437MHz)



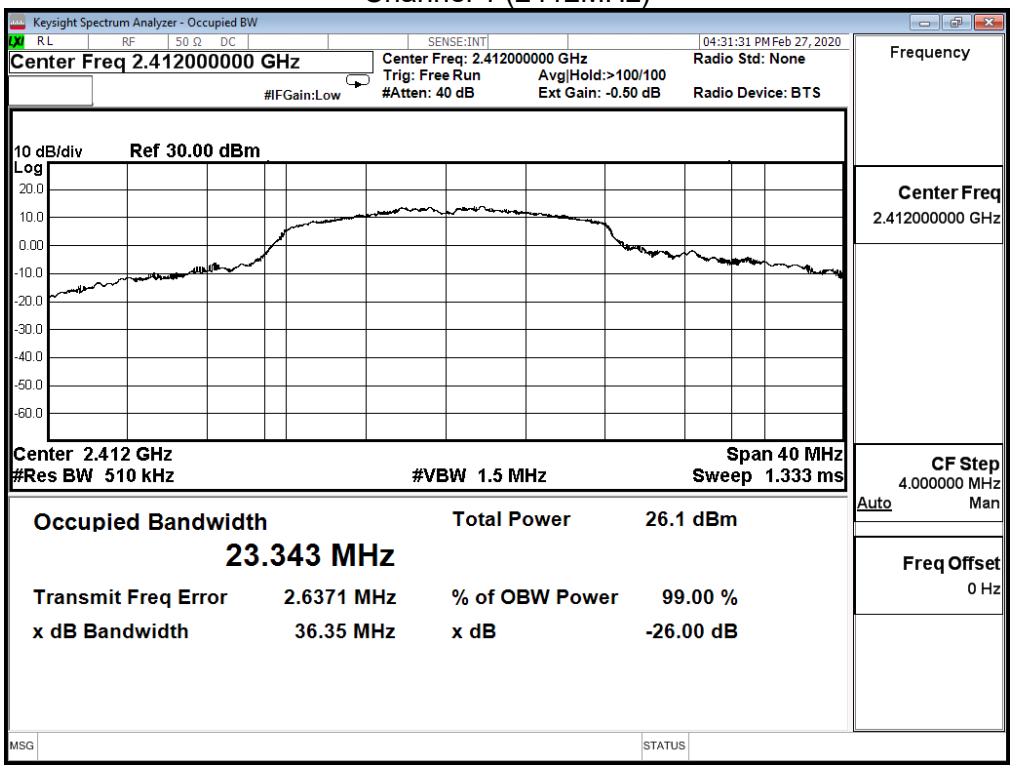
Channel 11 (2462MHz)



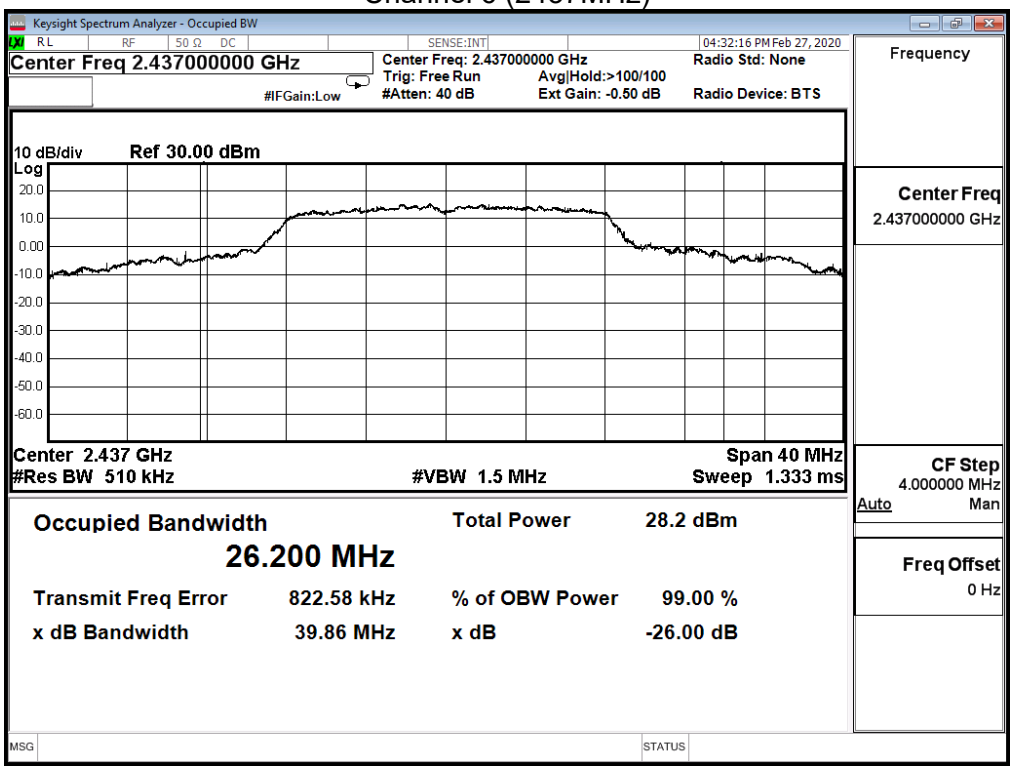
Product	Android Based UI		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	23.343	---
6	2437	26.200	---
11	2462	17.054	---

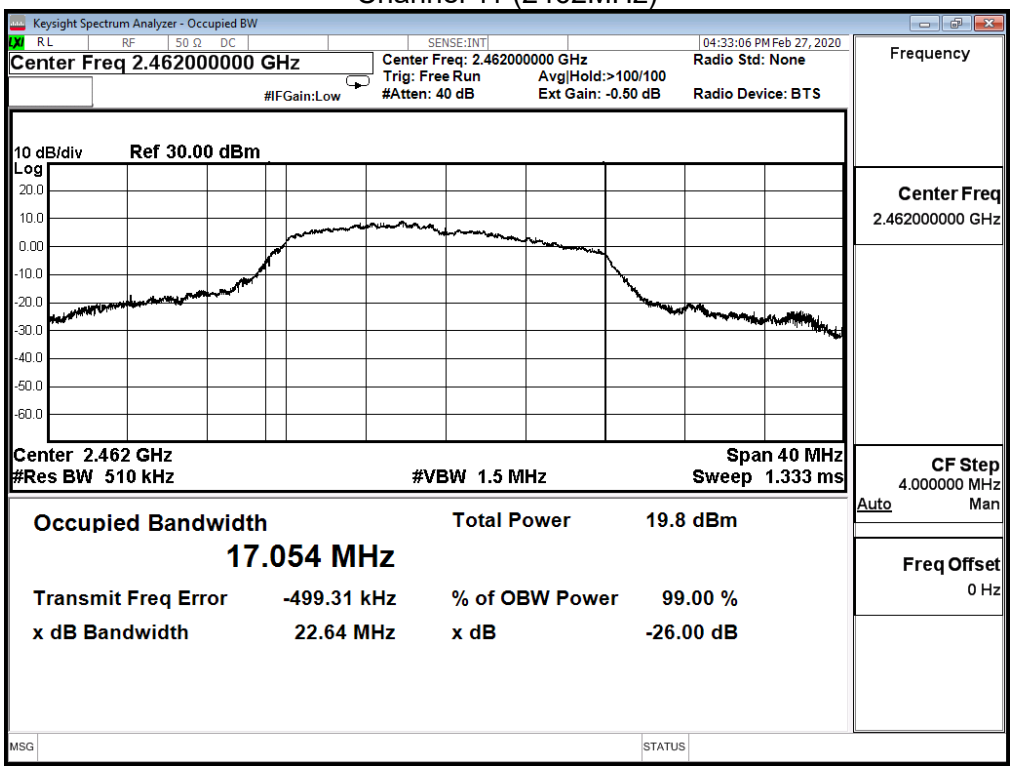
Channel 1 (2412MHz)



Channel 6 (2437MHz)



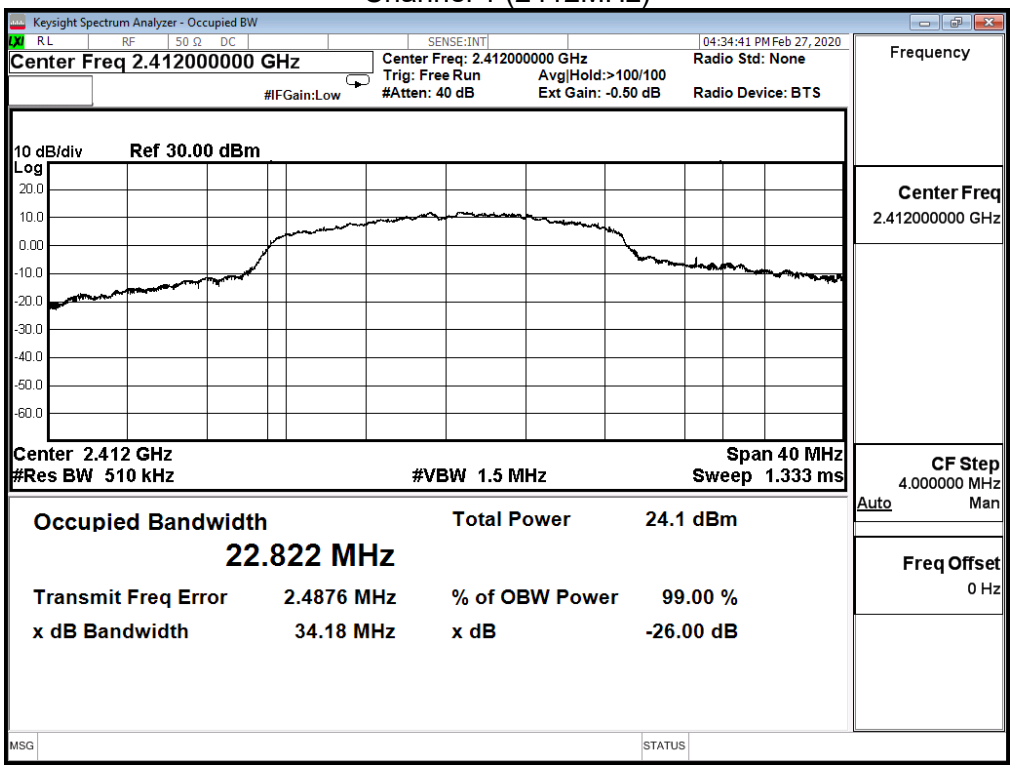
Channel 11 (2462MHz)



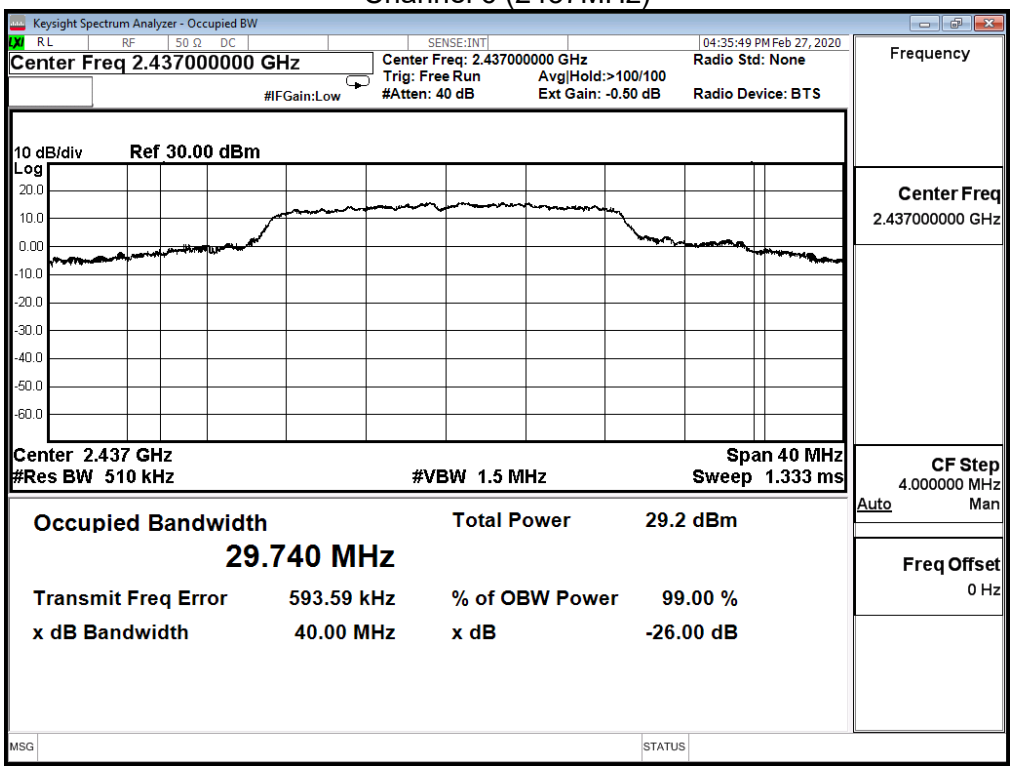
Product	Android Based UI		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

IEEE 802.11n 20M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	22.822	---
6	2437	29.740	---
11	2462	17.882	---

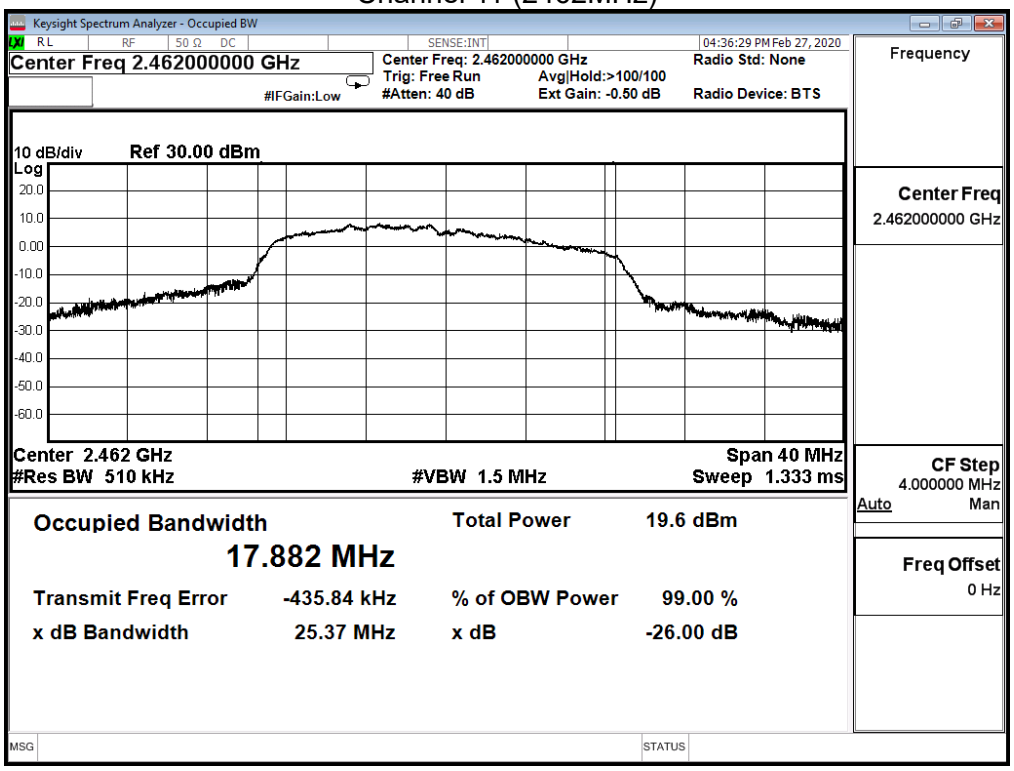
Channel 1 (2412MHz)



Channel 6 (2437MHz)

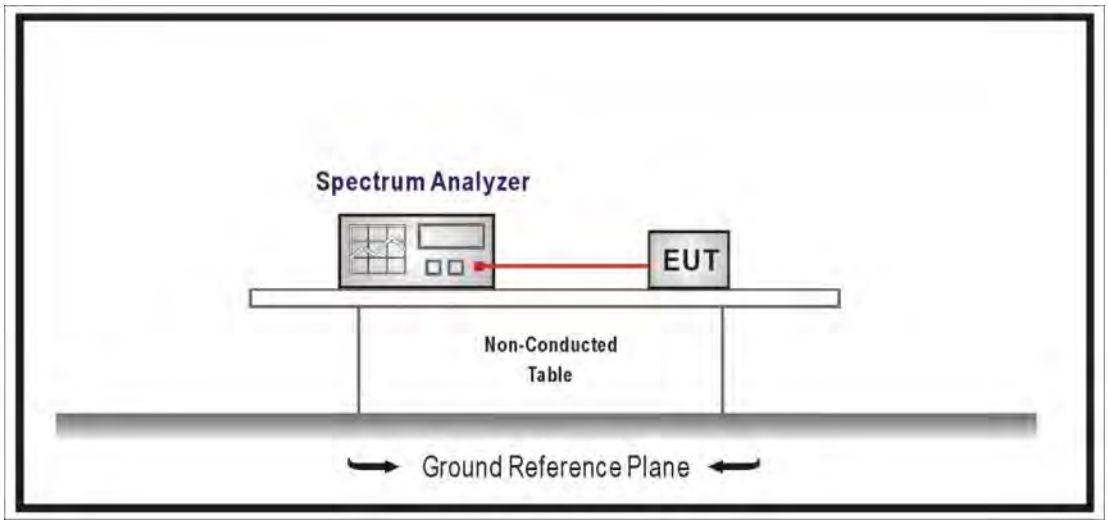


Channel 11 (2462MHz)



9. Power Density

9.1. Test Setup



9.2. Limits

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

9.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB 558074 D01 V05 for compliance to FCC 47CFR 15.247 requirements. Set 3KHz ≦RBW≦100 kHz, Set VBW≧3xRBW, Sweep time=Auto, Set Peak detector.

9.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2018

9.5. Uncertainty

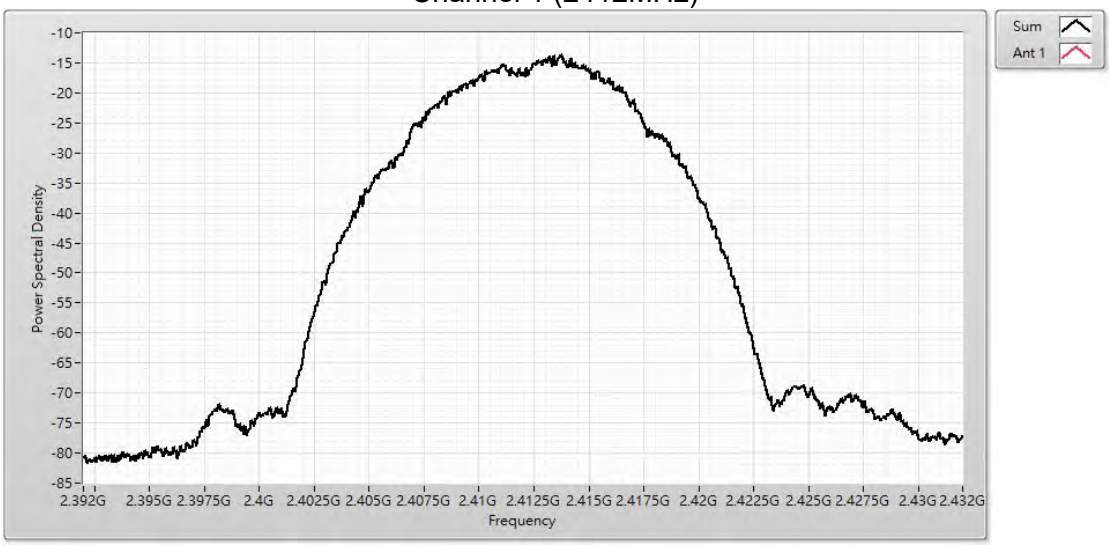
The measurement uncertainty is defined as ±1.27dB.

9.6. Test Result

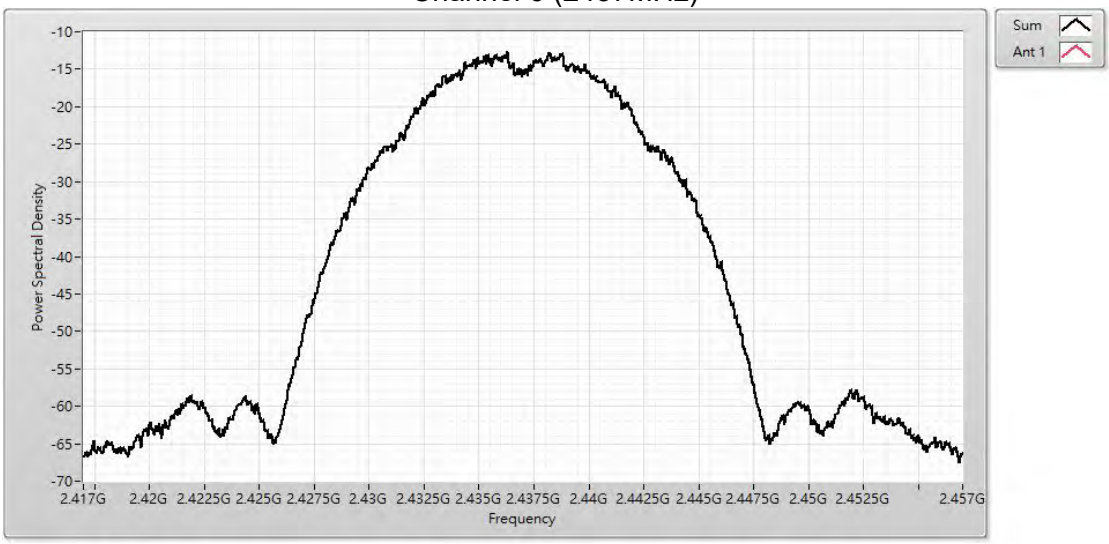
Product	Android Based UI		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-13.700	≦8	Pass
6	2437	-12.670	≦8	Pass
11	2462	-10.460	≦8	Pass

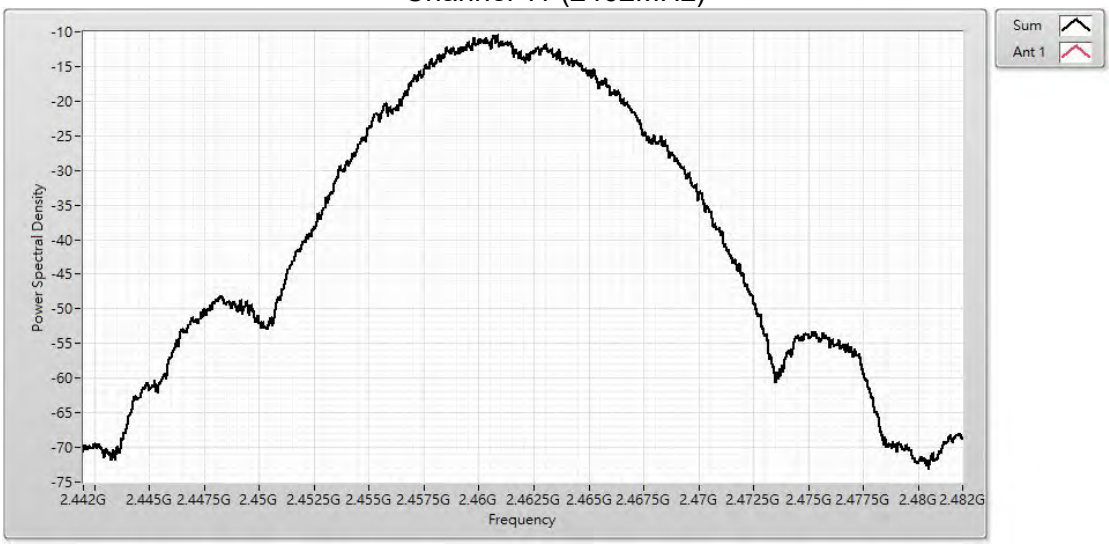
Channel 1 (2412MHz)



Channel 6 (2437MHz)



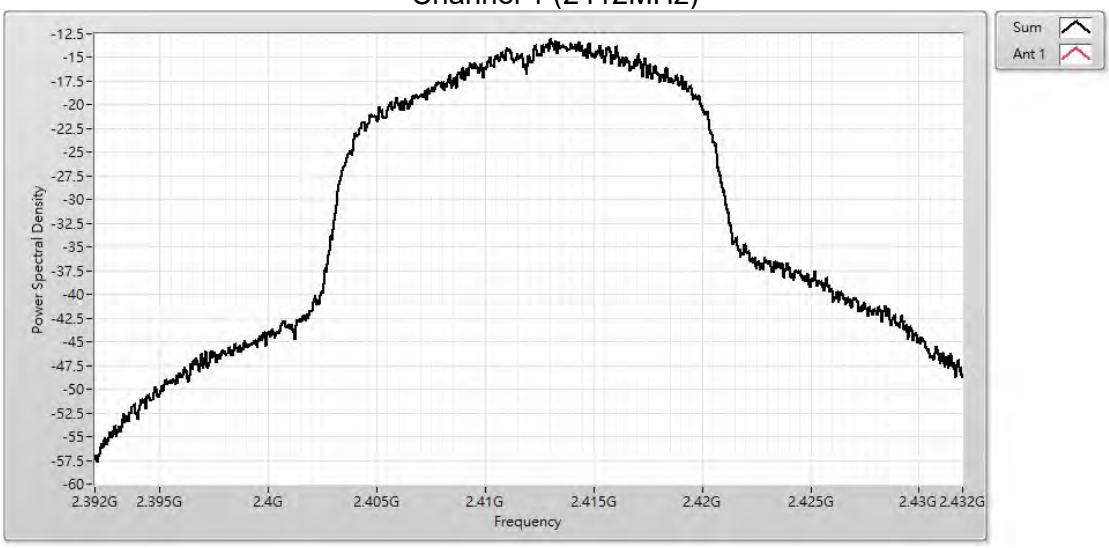
Channel 11 (2462MHz)



Product	Android Based UI		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

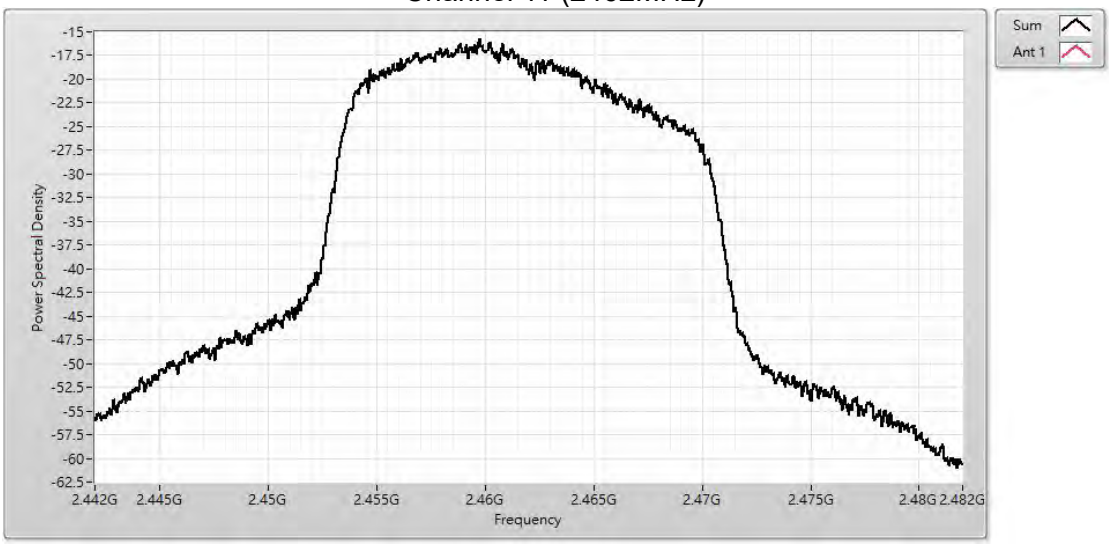
IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-12.940	≦8	Pass
6	2437	-9.140	≦8	Pass
11	2462	-15.710	≦8	Pass

Channel 1 (2412MHz)



Channel 6 (2437MHz)

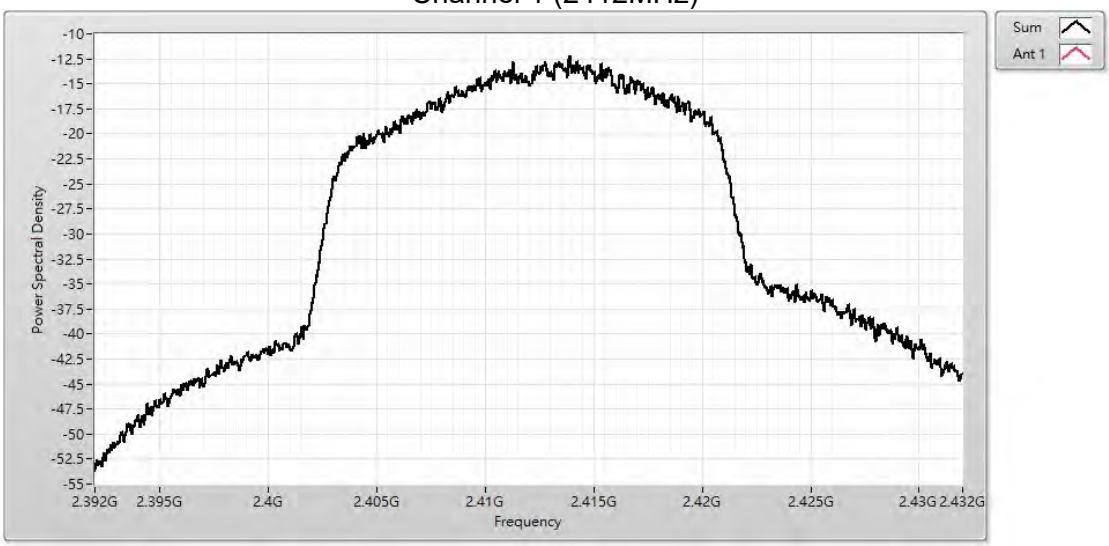
Channel 11 (2462MHz)

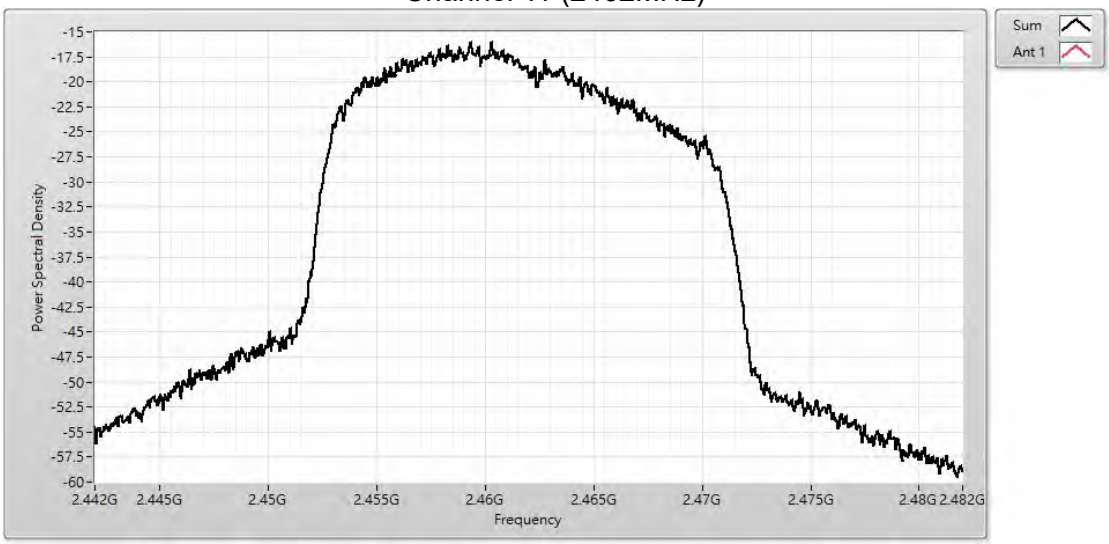


Product	Android Based UI		
Test Item	Power Density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/02/27	Test Site	SR12-H
Test Temperature	22.0℃	Test Humidity	58.0%

IEEE 802.11n 20M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-12.180	≦8	Pass
6	2437	-10.040	≦8	Pass
11	2462	-15.990	≦8	Pass

Channel 1 (2412MHz)



Channel 6 (2437MHz)

Channel 11 (2462MHz)