FCC Test Report

Product Name	：	Hex Sense
Trade Name	：	Origin Wireless Taiwan Corporation
Model No.	：	Hex Sense
FCC ID	：	2AW26TR-WIFISEN-X

Applicant	：	Origin Wireless Taiwan Corp.
Address	：	3F A1-1 No. 1, Lixing 1st. Rd., Easr Dist. Hsinchu City 300, Taiwan

Date of Receipt	：	Sep. 07, 2020
Issued Date	：	Nov. 19, 2020
Report No.	：	2090185R-E3032110124
Report Version	：	V1.0

Test Report Certification

Issued Date : Nov. 19, 2020
Report No. : 2090185R-E3032110124

Product Name	:	Hex Sense
Applicant	:	Origin Wireless Taiwan Corp.
Address	:	3F A1-1 No. 1, Lixing 1st. Rd., Easr Dist. Hsinchu City 300, Taiwan
Manufacturer	:	WNC VIETNAM CO., LTD.
Address	:	Factory H2, Lot G1-3-4-6-8, Que Vo Industrial Park, Van Duong Ward, Bac Ninh City, Bac Ninh Province, Vietnam
Model No.	:	Hex Sense
Trade Name	:	Origin Wireless Taiwan Corporation
FCC ID	:	2AW26TR-WIFISEN-X
EUT Voltage	:	AC 120V/60Hz
Testing Voltage	:	AC 120V/60Hz
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart E Section 15.407: 2019 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 : Lyla Yang

(Lyla Yang / Engineering Adm. Specialist)

Tested By : Scott Chang

(Scott Chang / Senior Engineer)

Approved By : Louis Hsu

(Louis Hsu / Deputy Manager)

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Nov. 19, 2020

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1. General Information

1.1. EUT Description

Product Name	Hex Sense	
Trade Name	Origin Wireless Taiwan Corporation	
Model No.	Hex Sense	
Frequency Range/ Channel Number	IEEE 802.11a/n (20MHz)	5180~5240MHz / 4 Channels 5260-5320MHz / 4 Channels 5500-5700MHz / 11 Channels 5745~5825MHz / 5 Channels
	IEEE 802.11n (40MHz)	5190~5230MHz / 2 Channels 5270-5310MHz / 2 Channels 5510-5670MHz / 5 Channels 5755~5795MHz / 2 Channels
Type of Modulation	IEEE 802.11a/n	Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11a	6, 9, 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
HW Version	HW002	
SW Version	0.1.0a	

Antenna Information				
No.	Brand	Model No.	Antenna Type	Antenna Gain
0	WNC	LVX5_3S.00227.111	PIFA Antenna	Bluetooth: 0.44dBi WiFi 5GHz: 3.28 dBi

ANT-TX / RX & Bandwidth

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

IEEE 802.11a & IEEE 802.11n (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
52	5260 MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500 MHz	104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz	165	5825 MHz

IEEE 802.11n (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270MHz	62	5310 MHz
102	5510 MHz	110	5550 MHz	118	5590MHz	126	5630 MHz
134	5670 MHz	151	5755 MHz	159	5795 MHz		

Note:

1. This device including 5GHz a/n and BT 4.0 transmitting and receiving functions.
2. Regards to the frequency band operation; the lowest, middle and highest frequency of channel were selected to perform the test, and then shown on this report.
3. The EUT description is from the customer declaration.

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. 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)	165	0	Complies
	11n(40MHz)	38/62/102	0	Complies
26dB & 99% & DTS Bandwidth	a	36/44/48/52/60/64/100/ 116/140/149/157/165	0	Complies
	11n(20MHz)	36/44/48/52/60/64/100/ 116/140/149/157/165	0	Complies
	11n(40MHz)	38/46/54/62/102/ 110/134/151/159	0	Complies
Maximum conducted output power	a	36/44/48/52/60/64/100/ 116/140/149/157/165	0	Complies
	11n(20MHz)	36/44/48/52/60/64/100/ 116/140/149/157/165	0	Complies
	11n(40MHz)	38/46/54/62/102/ 110/134/151/159	0	Complies
Maximum power spectral density	a	36/44/48/52/60/64/100/ 116/140/149/157/165	0	Complies
	11n(20MHz)	36/44/48/52/60/64/100/ 116/140/149/157/165	0	Complies
	11n(40MHz)	38/46/54/62/102/ 110/134/151/159	0	Complies
Radiated Emission	a	36/44/48/52/60/64/100/ 116/140/149/157/165	0	Complies
	11n(20MHz)	36/44/48/52/60/64/100/ 116/140/149/157/165	0	Complies
	11n(40MHz)	38/46/54/62/102/ 110/134/151/159	0	Complies
Band Edge	a	36/44/48/149/157/165	0	Complies
	11n(20MHz)	36/44/48/149/157/165	0	Complies
	11n(40MHz)	38/46/54/62/102/ 110/134/151/159	0	Complies

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

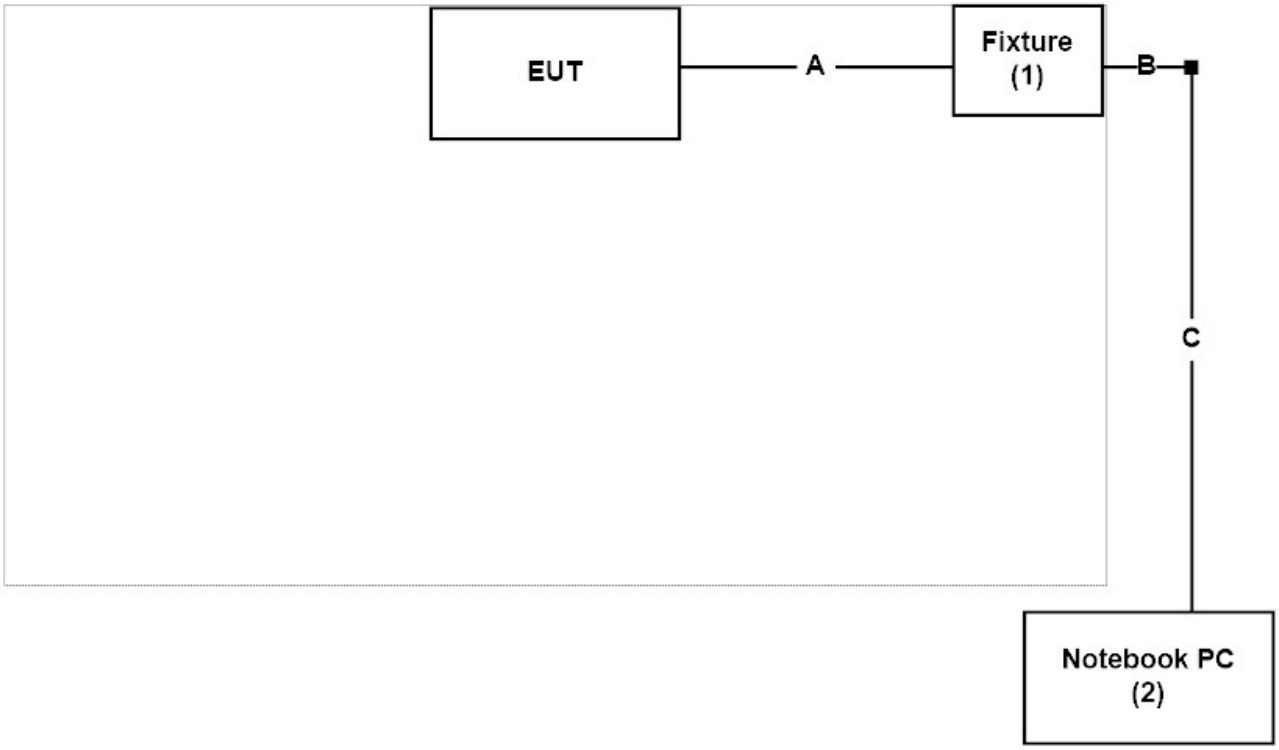
1.3. Tested System Details

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
1	Fixture	WNC	48.J53RS.SGA	N/A	DoC	--
2	Notebook PC	ASUS	E402S	GBN0CV14W050478	DoC	Shielded, 2m

1.4. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	Signal Cable	Non-Shielded, 0.5m, 4PCS
B	RS-232 to USB Cable	Shielded, 1m
C	USB Cable	Shielded, 6m

1.5. EUT Exercise Software

1	Set the EUT as shown in Section 1.4.
2	Execute “QATool 0.0.1.58” software on the laptop.
3	Configure test mode, test channel and data rate.
4	Let the EUT start sending or receiving continuously.
5	Verify that the EUT works properly.

1.6. Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required	Test Site
Temperature (°C)	FCC PART 15E 15.407	15 - 35	2
Humidity (%RH)	Conducted Emission	25 - 75	
Temperature (°C)	FCC PART 15E 15.407	15 - 35	1
Humidity (%RH)	26dB & 99% & DTS Bandwidth	25 - 75	
Temperature (°C)	FCC PART 15E 15.407	15 - 35	1
Humidity (%RH)	Maximum conducted output power	25 - 75	
Temperature (°C)	FCC PART 15E 15.407	15 - 35	1
Humidity (%RH)	Maximum power spectral density	25 - 75	
Temperature (°C)	FCC PART 15E 15.407	15 - 35	1
Humidity (%RH)	Radiated Emission	25 - 75	
Temperature (°C)	FCC PART 15E 15.407	15 - 35	1
Humidity (%RH)	Band Edge	25 - 75	

Note: Test site information refers to Laboratory Information.

Laboratory Information

USA	**:**	**FCC Registration Number: TW3024**
Canada	**:**	**IC Registration Number: 22397-1 / 22397-2 / 22397-3**

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.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 2. No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
Phone number	1. +886-3-582-8001 2. +886-3-582-8001
Fax number	1. +886-3-582-8958 2. +886-3-582-8958
Email address	info.tw@dekra.com
Website	http://www.dekra.com.tw

1.8. List of Test Equipment

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2020/01/08	2021/01/07
Test Receiver	R&S	ESCS 30	836858/022	2020/02/25	2021/02/24
LISN	R&S	ENV216	100092	2020/06/22	2021/06/21

Occupied Bandwidth / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2020/06/03	2021/06/02
Spectrum Analyzer	Keysight	N9010B	MY57110159	2020/04/15	2021/04/14
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29

Maximum 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	2020/05/20	2021/05/19
Power Sensor	Keysight	N1923A	MY57240005	2020/05/20	2021/05/19

Maximum power spectral density / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2020/06/03	2021/06/02
Spectrum Analyzer	Keysight	N9010B	MY57110159	2020/04/15	2021/04/14
Spectrum Analyzer	Agilent	N9010A	US47140172	2020/06/18	2021/06/17
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29

Radiated Emission / CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2020/10/12	2021/10/11
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29
Signal Analyzer	R&S	FSV40	101435	2020/06/24	2021/06/23
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2020/02/21	2021/02/20
Bilog Antenna	Teseq	CBL6112D	23191	2020/06/12	2021/06/11
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2020/06/04	2021/06/03
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2020/10/14	2021/10/13
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/12/27	2020/12/26
Horn Antenna	Schwarzbeck	BBHA 9170	203	2020/03/09	2021/03/08
Pre-Amplifier	DEKRA	AP-025C	12183122	2020/09/03	2021/09/02
Pre-Amplifier	EMCI	EMC11830I	980366	2019/12/03	2020/12/02
Pre-Amplifier	DEKRA	AP-400C	201801231	2019/12/03	2020/12/02
Band Reject Filter	Micro-Tronics	BRM50716	G089	2020/03/18	2021/03/17
Band Reject Filter	Micro-Tronics	BRM50716	G068	2020/03/09	2021/03/08
Coaxial Cable(10m)	Suhner	SF102_SF104	CB4-H	2020/04/25	2021/04/24
DEKRA Testing System	DEKRA	Version 1.2	CB4-H	NA	NA

Band Edge / CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2020/10/12	2021/10/11
Signal & Spectrum Analyzer	R&S	FSV40	101049	2020/03/30	2021/03/29
Signal Analyzer	R&S	FSV40	101435	2020/06/24	2021/06/23
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2020/02/21	2021/02/20
Bilog Antenna	Teseq	CBL6112D	23191	2020/06/12	2021/06/11
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2020/06/04	2021/06/03
Horn Antenna	Schwarzbeck	BBHA 9120D	01656	2020/10/14	2021/10/13
Horn Antenna	Schwarzbeck	BBHA 9170	202	2019/12/27	2020/12/26
Horn Antenna	Schwarzbeck	BBHA 9170	203	2020/03/09	2021/03/08
Pre-Amplifier	DEKRA	AP-025C	12183122	2020/09/03	2021/09/02
Pre-Amplifier	EMCI	EMC11830I	980366	2019/12/03	2020/12/02
Pre-Amplifier	DEKRA	AP-400C	201801231	2019/12/03	2020/12/02
Band Reject Filter	Micro-Tronics	BRM50716	G089	2020/03/18	2021/03/17
Band Reject Filter	Micro-Tronics	BRM50716	G068	2020/03/09	2021/03/08
Coaxial Cable(10m)	Suhner	SF102_SF104	CB4-H	2020/04/25	2021/04/24
DEKRA Testing System	DEKRA	Version 1.2	CB4-H	NA	NA

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

1.9. 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)
11a	15.300	110.100	13.90%	17.141918	8.57	0.065
HT20	14.490	109.130	13.28%	17.537515	8.77	0.069
HT40	7.500	109.500	6.85%	23.287057	11.64	0.133

Note:

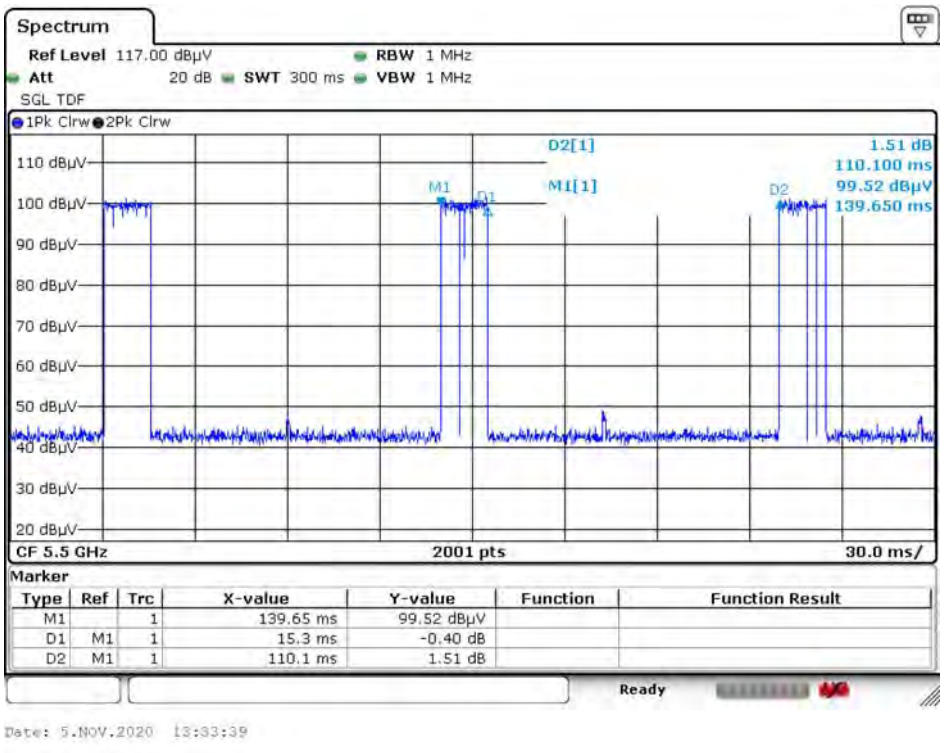
Offset = 20 log(1/duty cycle)

Accotding to KDB 789033

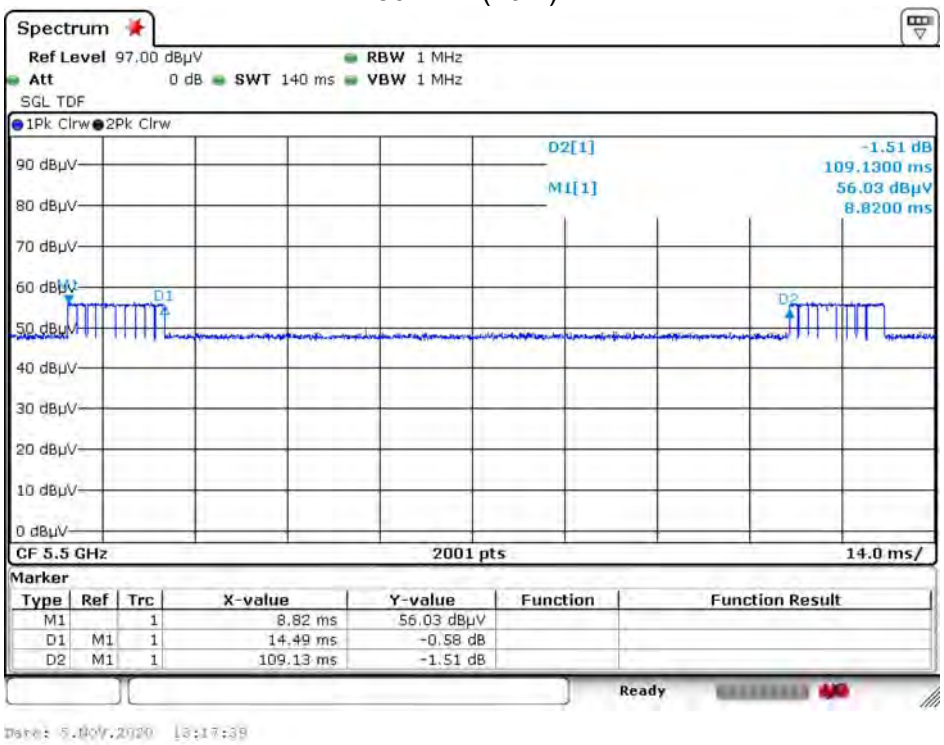
If power averaging (rms) mode was used in step (iv) above, the correction factor is 10 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

If linear voltage averaging mode was used in step (iv) above, the correction factor is 20 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.

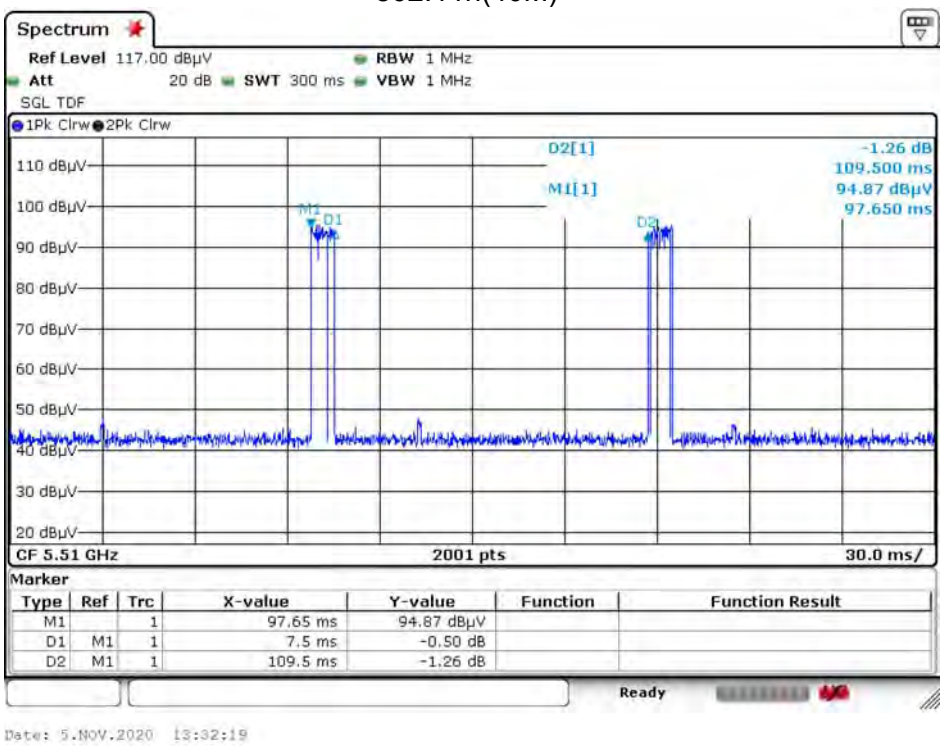
802.11a



802.11n(20M)



802.11n(40M)

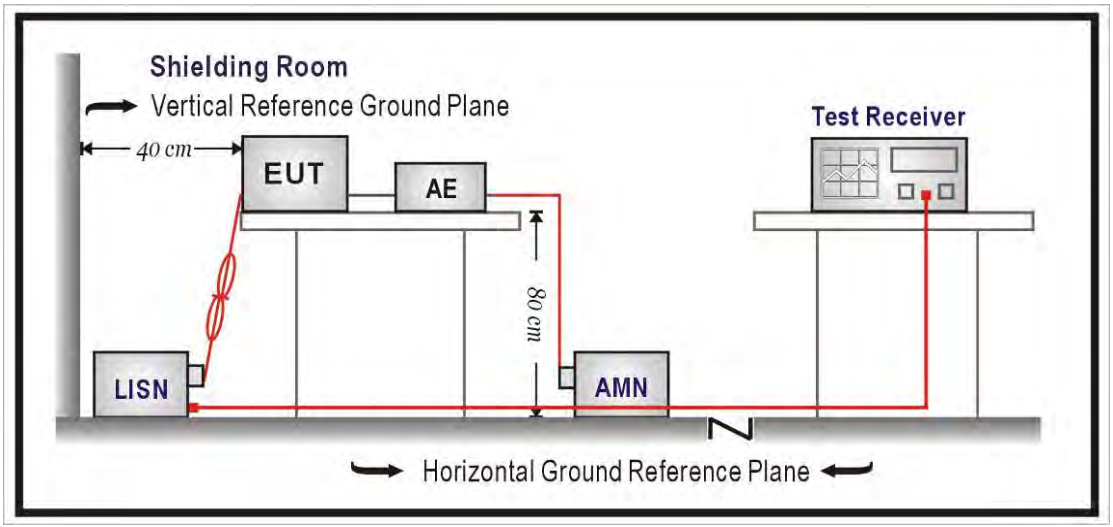


1.10. Uncertainty

Test item	Uncertainty
Conducted Emission	± 2.26 dB
26dB & 99% & DTS Bandwidth	± 50 Hz
Maximum conducted output power	± 1.27 dB
Maximum power spectral density	± 1.27 dB
Radiated Emission	30MHz~1GHz as ± 3.43 dB 1GHz~26.5GHz as ± 3.65 dB
Band Edge	± 3.65 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

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

2.3. Test Procedure

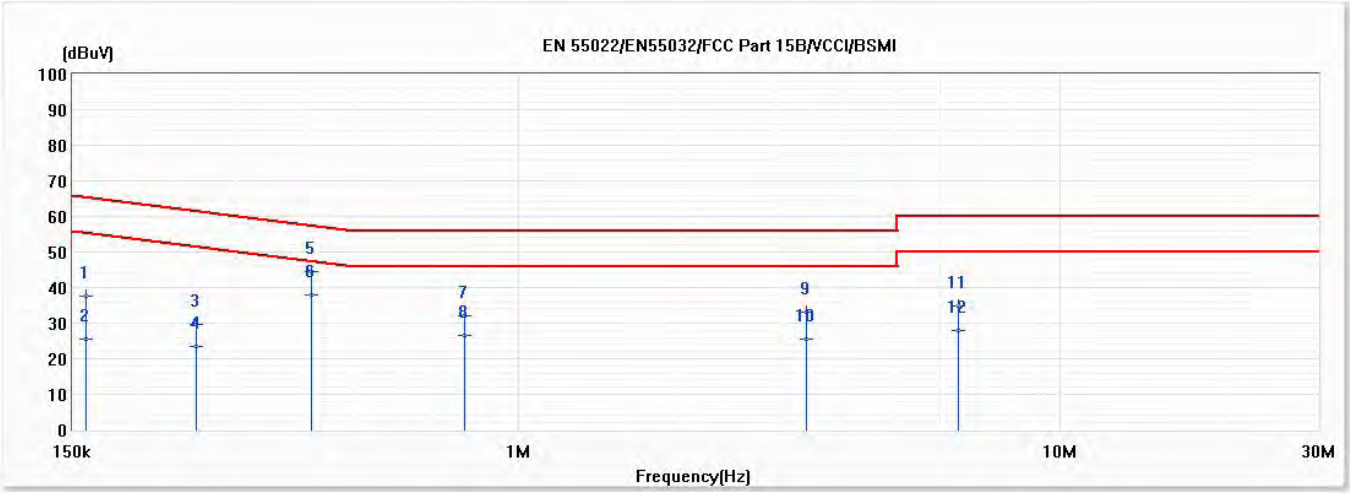
The EUT was setup according to ANSI C63.10: 2013. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded 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 15.407: 2019

2.5. Test Result

Model No	Hex Sense	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/11
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Phase	L	Temperature (℃)	25.5
Test Condition	802.11n,Ch 38,5.19G,BW40M	Humidity (%RH)	57



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.159	37.67	65.53	-27.86	28.02	9.65	QP
2	0.159	25.65	55.53	-29.88	16.00	9.65	AV
3	0.254	29.55	61.61	-32.06	19.89	9.65	QP
4	0.254	23.59	51.61	-28.02	13.94	9.65	AV
5	0.414	44.49	57.58	-13.09	34.81	9.68	QP
*6	0.414	37.93	47.58	-9.65	28.25	9.68	AV
7	0.796	32.00	56.00	-24.00	22.28	9.72	QP
8	0.796	26.56	46.00	-19.44	16.84	9.72	AV
9	3.405	33.26	56.00	-22.74	23.40	9.86	QP
10	3.405	25.66	46.00	-20.34	15.80	9.86	AV
11	6.475	34.96	60.00	-25.04	24.97	10.00	QP
12	6.475	27.92	50.00	-22.08	17.92	10.00	AV

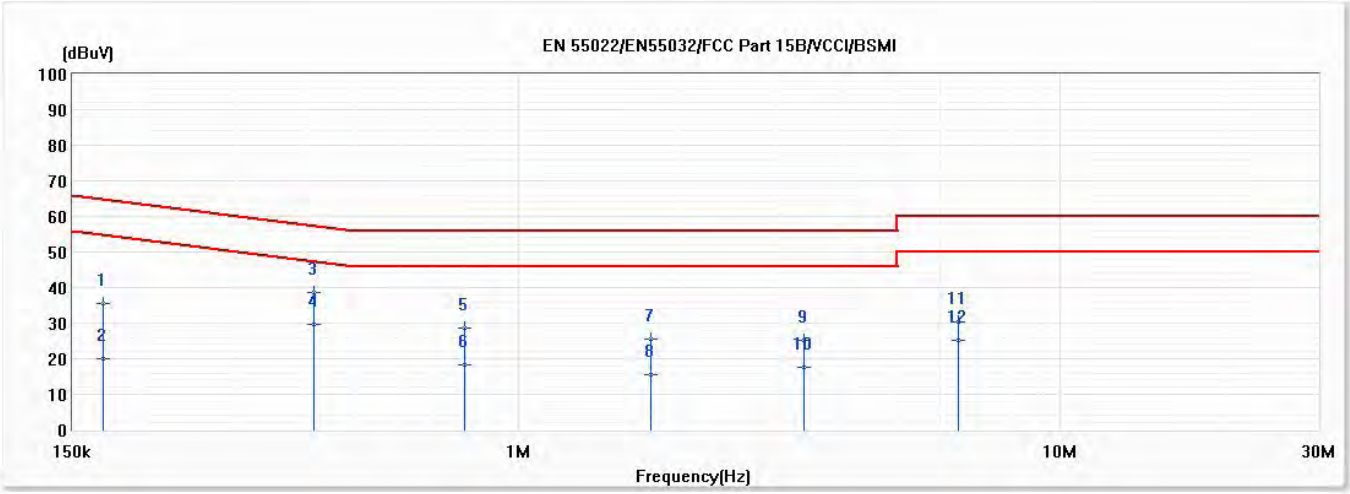
Remark:

1. "*" means this data is the worst emission level.

2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).

3. Margin = Emission Level - Limit.

Model No	Hex Sense	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/11
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Phase	N	Temperature (℃)	25.5
Test Condition	802.11n,Ch 38,5.19G,BW40M	Humidity (%RH)	57



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.171	35.52	64.92	-29.41	25.88	9.64	QP
2	0.171	19.84	54.92	-35.08	10.20	9.64	AV
3	0.418	38.58	57.49	-18.91	28.91	9.67	QP
*4	0.418	29.69	47.49	-17.80	20.02	9.67	AV
5	0.795	28.45	56.00	-27.55	18.74	9.70	QP
6	0.795	18.36	46.00	-27.64	8.65	9.70	AV
7	1.755	25.36	56.00	-30.64	15.60	9.77	QP
8	1.755	15.48	46.00	-30.52	5.72	9.77	AV
9	3.360	25.25	56.00	-30.75	15.40	9.84	QP
10	3.360	17.57	46.00	-28.43	7.73	9.84	AV
11	6.471	30.29	60.00	-29.71	20.30	10.00	QP
12	6.471	25.15	50.00	-24.85	15.16	10.00	AV

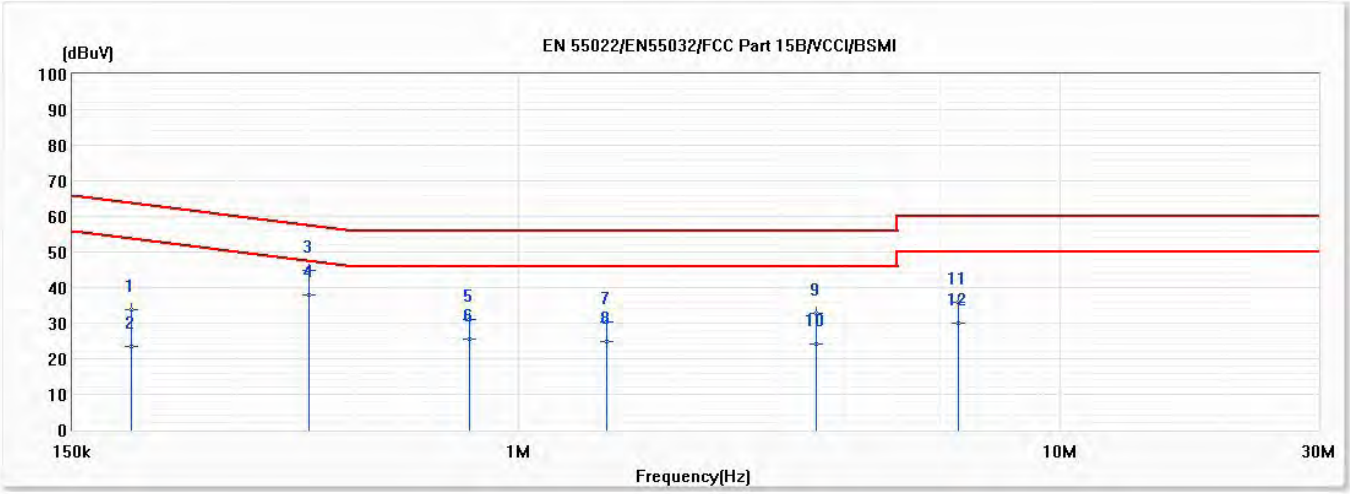
Remark:

1. "*" means this data is the worst emission level.

2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).

3. Margin = Emission Level - Limit.

Model No	Hex Sense	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/11
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Phase	L	Temperature (℃)	25.5
Test Condition	802.11n,Ch 62,5.31G,BW40M	Humidity (%RH)	57



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.193	33.89	63.91	-30.01	24.25	9.64	QP
2	0.193	23.41	53.91	-30.50	13.76	9.64	AV
3	0.410	44.87	57.65	-12.78	35.19	9.68	QP
*4	0.410	38.09	47.65	-9.56	28.41	9.68	AV
5	0.812	31.03	56.00	-24.97	21.31	9.72	QP
6	0.812	25.57	46.00	-20.43	15.84	9.72	AV
7	1.452	30.51	56.00	-25.49	20.75	9.76	QP
8	1.452	24.92	46.00	-21.08	15.15	9.76	AV
9	3.547	32.72	56.00	-23.28	22.85	9.87	QP
10	3.547	24.28	46.00	-21.72	14.42	9.87	AV
11	6.472	35.99	60.00	-24.01	25.99	10.00	QP
12	6.472	30.14	50.00	-19.86	20.15	10.00	AV

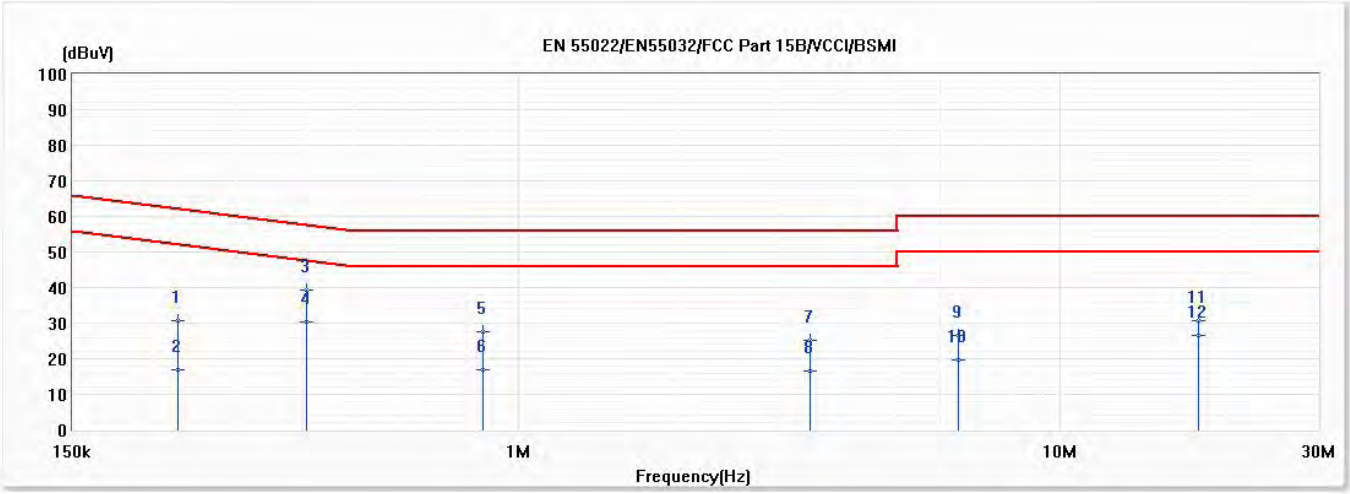
Remark:

1. "*" means this data is the worst emission level.

2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).

3. Margin = Emission Level - Limit.

Model No	Hex Sense	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/11
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Phase	N	Temperature (℃)	25.5
Test Condition	802.11n,Ch 62,5.31G,BW40M	Humidity (%RH)	57



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.234	30.85	62.29	-31.44	21.21	9.64	QP
2	0.234	17.01	52.29	-35.29	7.36	9.64	AV
3	0.405	39.38	57.74	-18.37	29.71	9.67	QP
*4	0.405	30.19	47.74	-17.55	20.52	9.67	AV
5	0.861	27.49	56.00	-28.51	17.78	9.71	QP
6	0.861	16.75	46.00	-29.25	7.04	9.71	AV
7	3.456	25.04	56.00	-30.96	15.18	9.85	QP
8	3.456	16.58	46.00	-29.42	6.73	9.85	AV
9	6.484	26.70	60.00	-33.30	16.70	10.00	QP
10	6.484	19.51	50.00	-30.49	9.51	10.00	AV
11	18.000	30.66	60.00	-29.34	20.20	10.46	QP
12	18.000	26.69	50.00	-23.31	16.24	10.46	AV

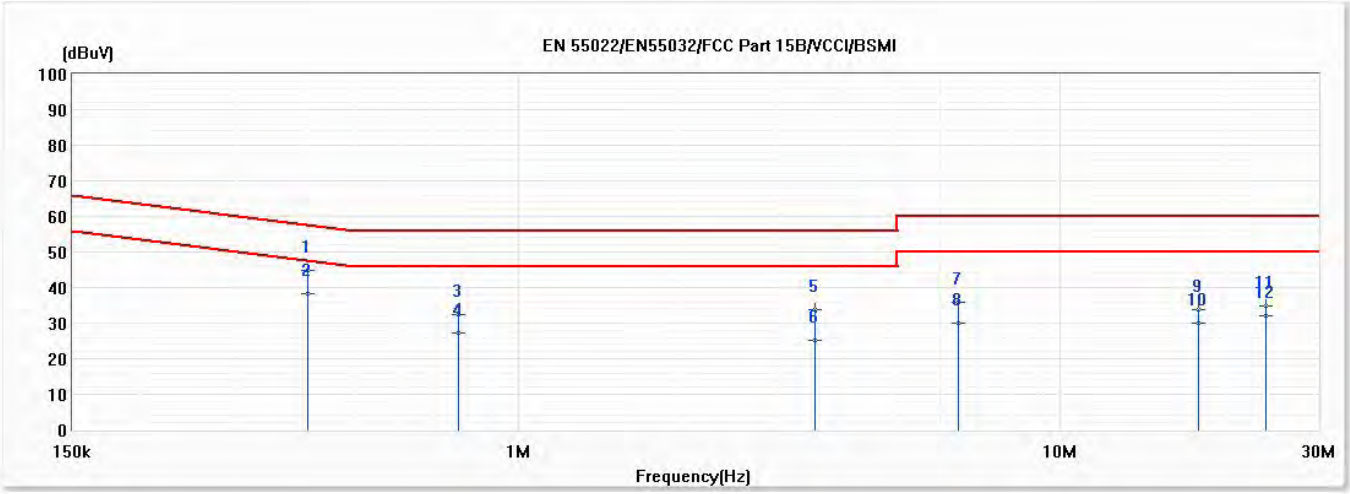
Remark:

1. "*" means this data is the worst emission level.

2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).

3. Margin = Emission Level - Limit.

Model No	Hex Sense	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/11
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Phase	L	Temperature (℃)	25.5
Test Condition	802.11n,Ch 102,5.51G,BW40M	Humidity (%RH)	57



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.407	44.83	57.71	-12.89	35.15	9.68	QP
*2	0.407	38.13	47.71	-9.58	28.45	9.68	AV
3	0.776	32.58	56.00	-23.42	22.86	9.72	QP
4	0.776	27.13	46.00	-18.87	17.42	9.72	AV
5	3.525	33.75	56.00	-22.25	23.89	9.87	QP
6	3.525	25.15	46.00	-20.85	15.28	9.87	AV
7	6.472	36.00	60.00	-24.00	26.01	10.00	QP
8	6.472	30.14	50.00	-19.86	20.14	10.00	AV
9	18.000	33.64	60.00	-26.36	23.31	10.33	QP
10	18.000	29.88	50.00	-20.12	19.55	10.33	AV
11	24.000	34.71	60.00	-25.29	24.29	10.42	QP
12	24.000	31.98	50.00	-18.02	21.56	10.42	AV

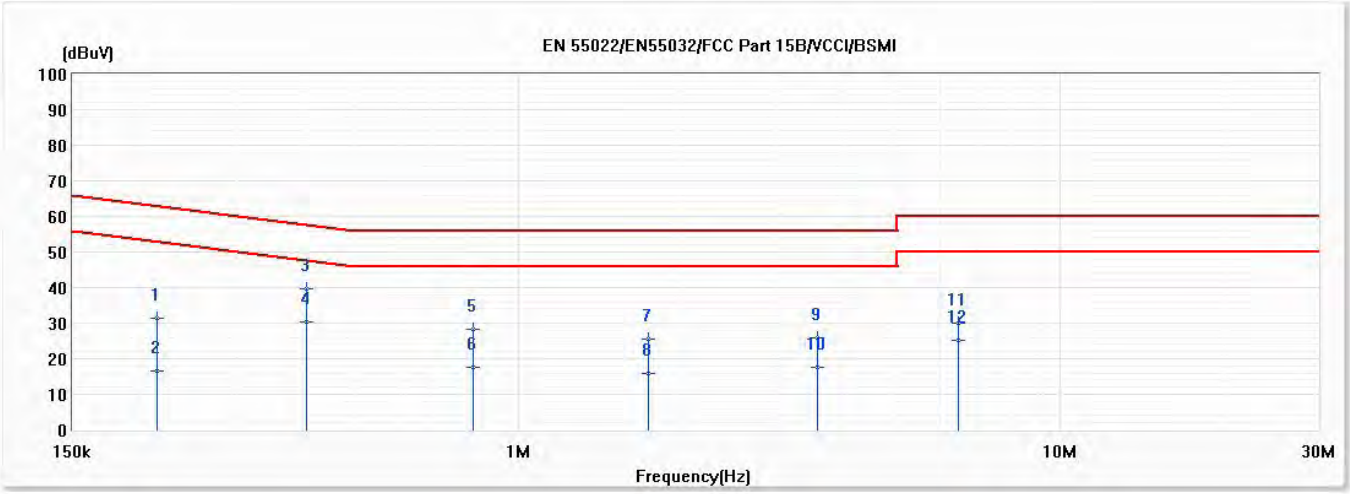
Remark:

1. "*" means this data is the worst emission level.

2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).

3. Margin = Emission Level - Limit.

Model No	Hex Sense	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/11
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Phase	N	Temperature (℃)	25.5
Test Condition	802.11n,Ch 102,5.51G,BW40M	Humidity (%RH)	57



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.214	31.39	63.03	-31.64	21.75	9.64	QP
2	0.214	16.64	53.03	-36.39	7.00	9.64	AV
3	0.406	39.63	57.72	-18.09	29.96	9.67	QP
*4	0.406	30.36	47.72	-17.37	20.69	9.67	AV
5	0.824	28.29	56.00	-27.71	18.58	9.71	QP
6	0.824	17.64	46.00	-28.36	7.94	9.71	AV
7	1.740	25.53	56.00	-30.47	15.76	9.77	QP
8	1.740	15.82	46.00	-30.18	6.06	9.77	AV
9	3.569	25.80	56.00	-30.20	15.94	9.86	QP
10	3.569	17.69	46.00	-28.31	7.83	9.86	AV
11	6.471	30.15	60.00	-29.85	20.16	10.00	QP
12	6.471	25.16	50.00	-24.84	15.16	10.00	AV

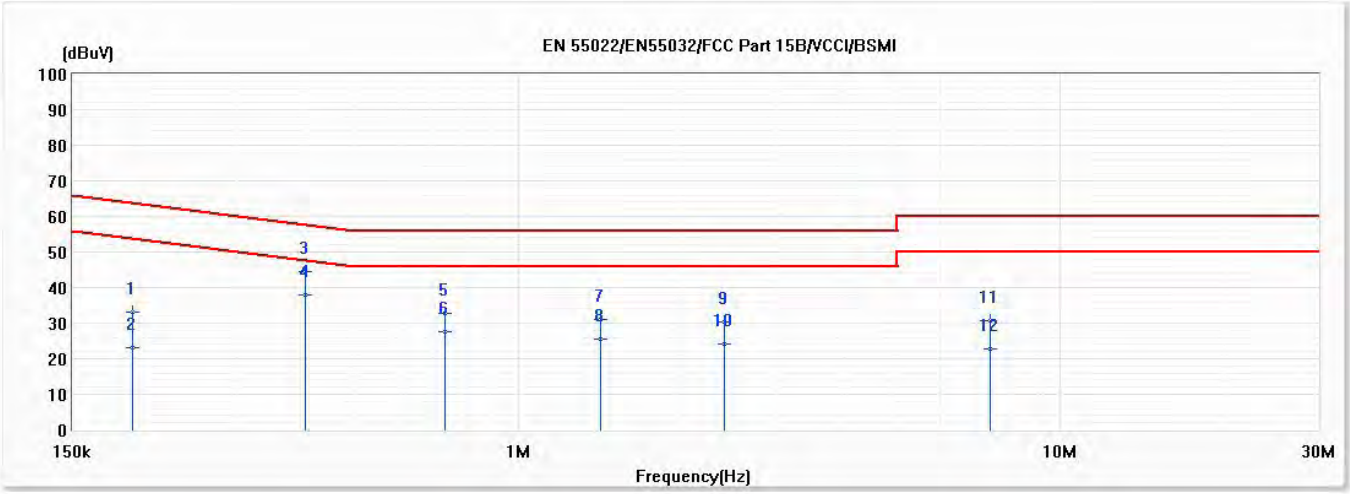
Remark:

1. "*" means this data is the worst emission level.

2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).

3. Margin = Emission Level - Limit.

Model No	Hex Sense	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/11
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Phase	L	Temperature (℃)	25.5
Test Condition	802.11n,Ch 165,5.825G,BW20M	Humidity (%RH)	57



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.193	33.15	63.90	-30.75	23.50	9.64	QP
2	0.193	23.25	53.90	-30.65	13.60	9.64	AV
3	0.403	44.42	57.80	-13.38	34.74	9.68	QP
*4	0.403	37.99	47.80	-9.80	28.31	9.68	AV
5	0.732	32.73	56.00	-23.27	23.02	9.72	QP
6	0.732	27.46	46.00	-18.54	17.75	9.72	AV
7	1.417	31.18	56.00	-24.82	21.42	9.76	QP
8	1.417	25.46	46.00	-20.54	15.69	9.76	AV
9	2.392	30.24	56.00	-25.76	20.43	9.81	QP
10	2.392	24.22	46.00	-21.78	14.41	9.81	AV
11	7.424	30.83	60.00	-29.17	20.80	10.03	QP
12	7.424	22.86	50.00	-27.14	12.83	10.03	AV

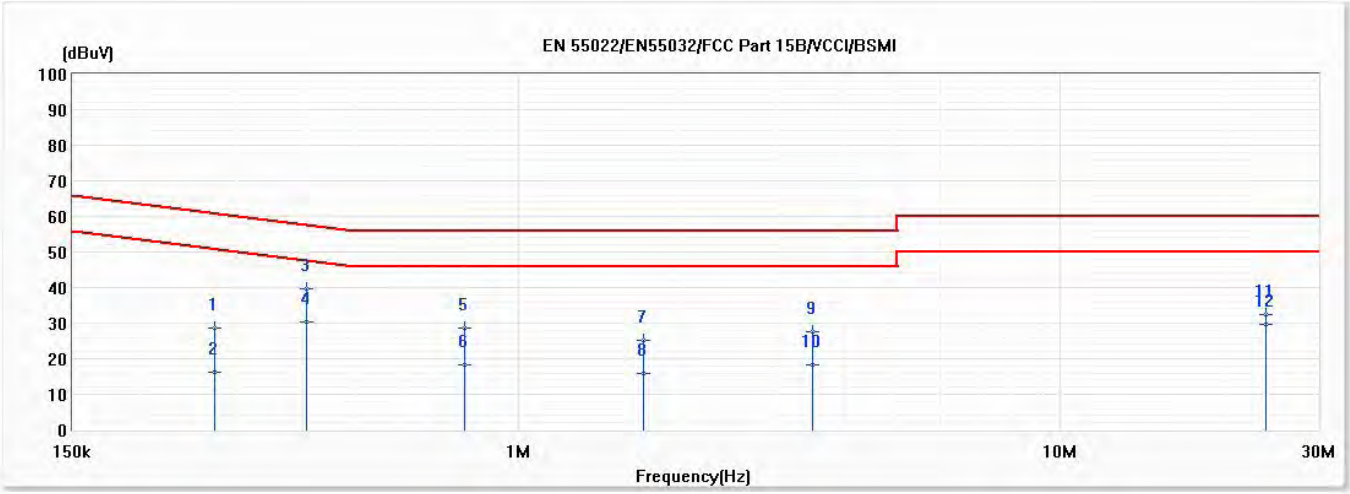
Remark:

1. "*" means this data is the worst emission level.

2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).

3. Margin = Emission Level - Limit.

Model No	Hex Sense	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/11
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Phase	N	Temperature (℃)	25.5
Test Condition	802.11n,Ch 165,5.825G,BW20M	Humidity (%RH)	57



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.274	28.51	61.00	-32.49	18.86	9.64	QP
2	0.274	16.32	51.00	-34.68	6.67	9.64	AV
3	0.406	39.58	57.72	-18.14	29.91	9.67	QP
*4	0.406	30.33	47.72	-17.40	20.66	9.67	AV
5	0.793	28.49	56.00	-27.51	18.79	9.70	QP
6	0.793	18.37	46.00	-27.63	8.66	9.70	AV
7	1.701	25.16	56.00	-30.84	15.40	9.77	QP
8	1.701	15.85	46.00	-30.15	6.09	9.77	AV
9	3.485	27.55	56.00	-28.45	17.69	9.85	QP
10	3.485	18.43	46.00	-27.57	8.58	9.85	AV
11	24.000	32.52	60.00	-27.48	21.91	10.62	QP
12	24.000	29.69	50.00	-20.31	19.07	10.62	AV

Remark:

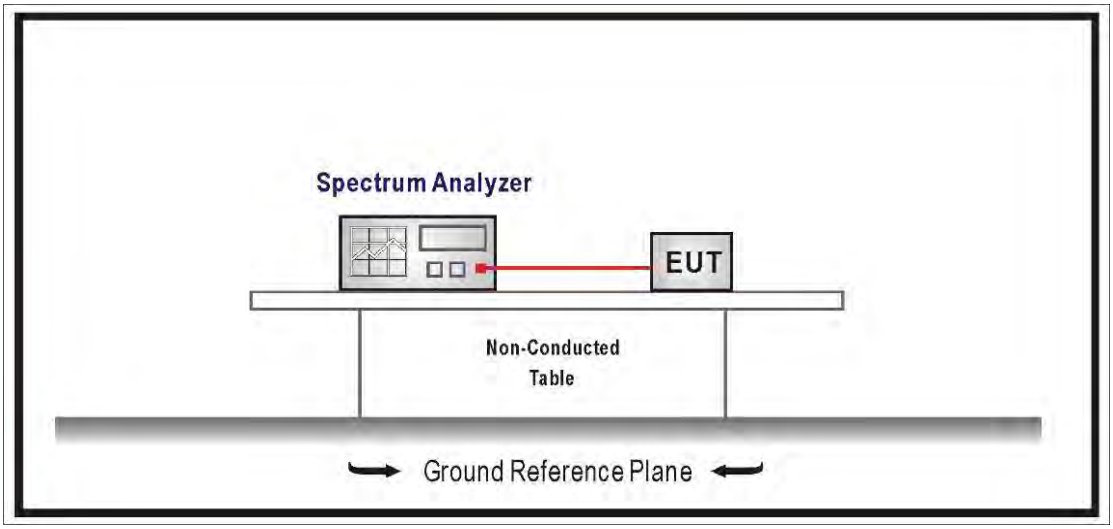
1. "*" means this data is the worst emission level.

2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).

3. Margin = Emission Level - Limit.

3. 26dB & 99% & DTS Bandwidth

3.1. Test Setup



3.2. Limits

99% & 26dB Bandwidth : No Required

6dB Bandwidth ≧ 500KHz

3.3. Test Procedure

99% & 26dB Bandwidth :

The EUT was tested according to U-NII test procedure of KDB 789033 D02 v02r01

Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.

DTS Bandwidth :

Set RBW = 100KHz, VBW≧3xRBW, Sweep time=Auto, Set Peak detector.

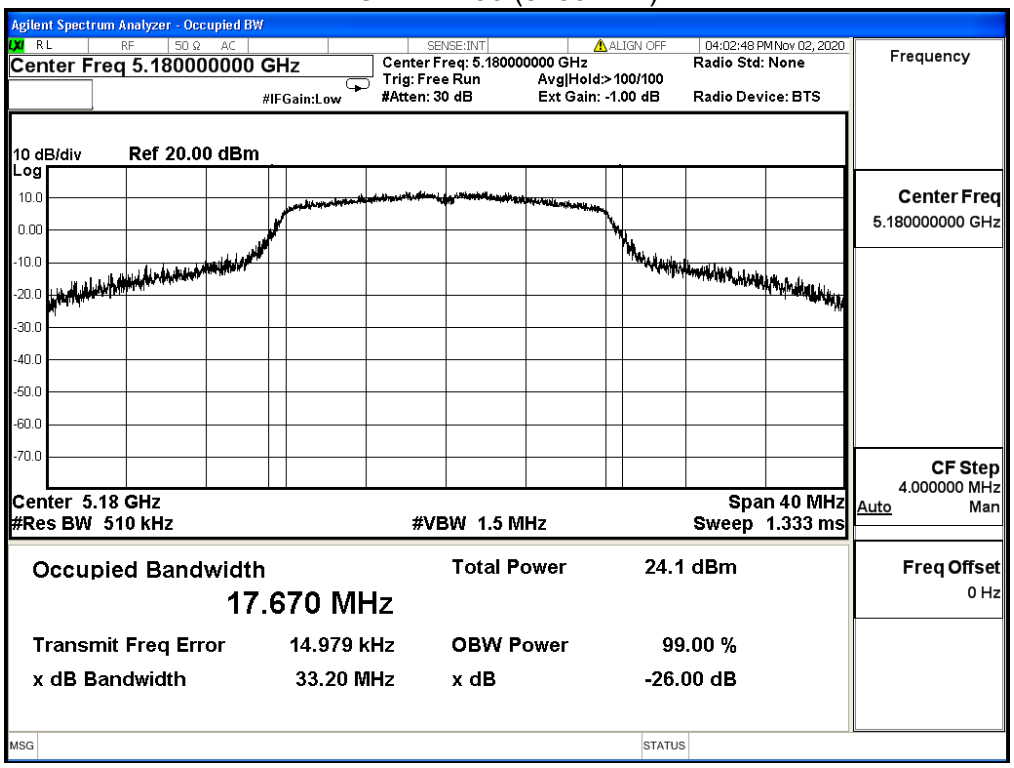
3.4. Test Result

Product	Hex Sense		
Test Item	26dB & 99% Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

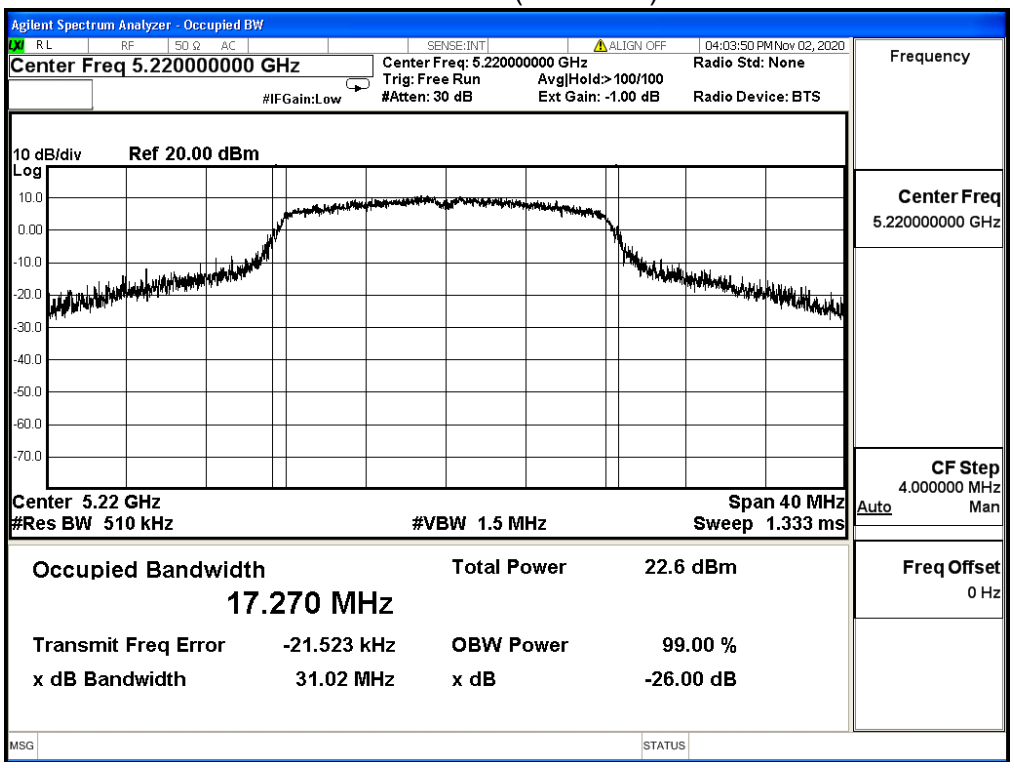
IEEE 802.11a (ANT 0)

Channel No.	Frequency (MHz)	Measure Value		Limit (MHz)
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	
36	5180	17.670	33.200	--
44	5220	17.270	31.020	--
48	5240	17.834	34.580	--
52	5260	17.557	32.360	--
60	5300	17.452	29.100	--
64	5320	18.079	34.040	--
100	5500	18.181	34.040	--
116	5580	18.144	32.990	--
140	5700	18.919	37.320	--
149	5745	19.101	N/A	--
157	5785	21.474		--
165	5825	21.445		--

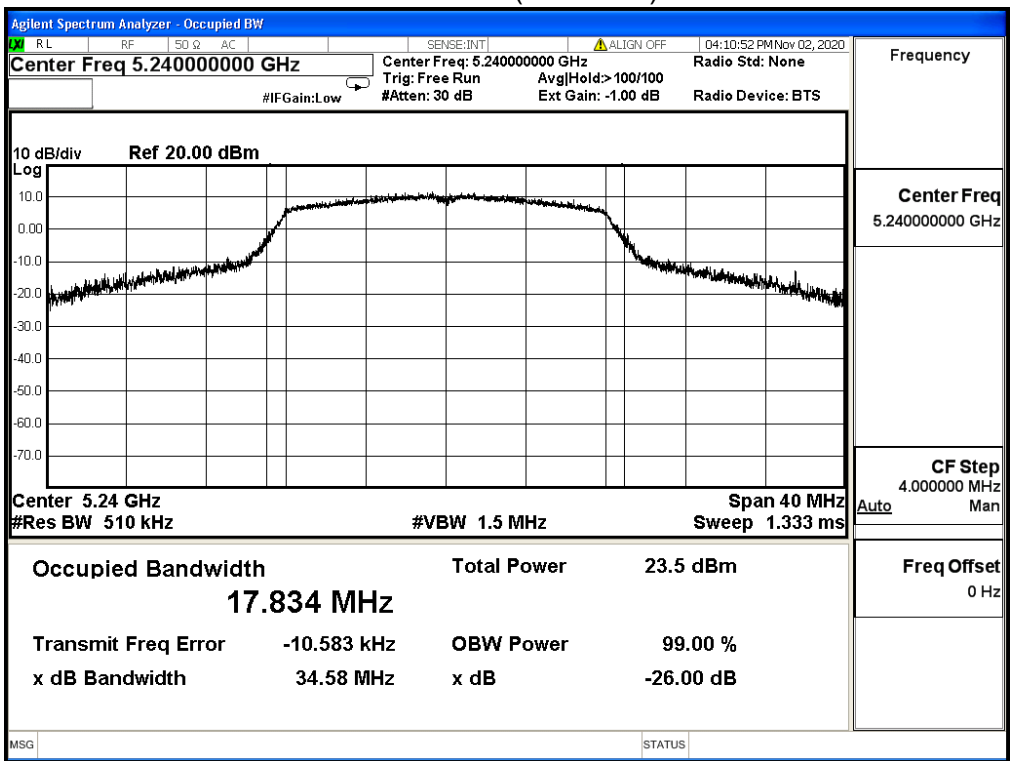
Channel 36 (5180MHz)



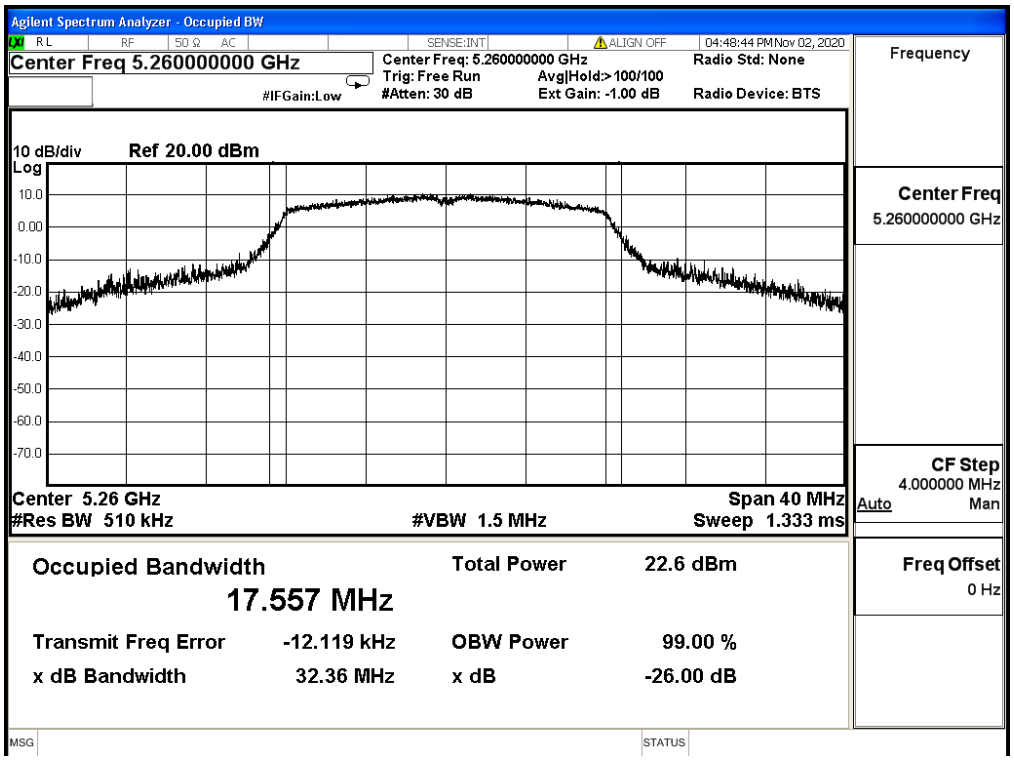
Channel 44 (5220MHz)



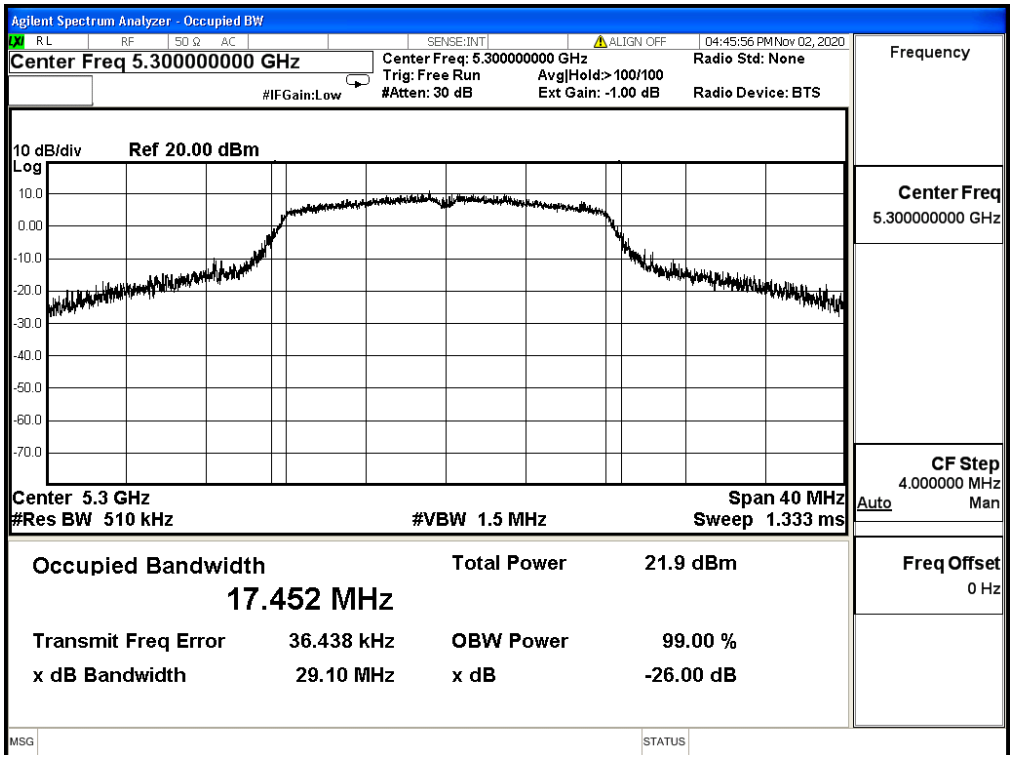
Channel 48 (5240MHz)



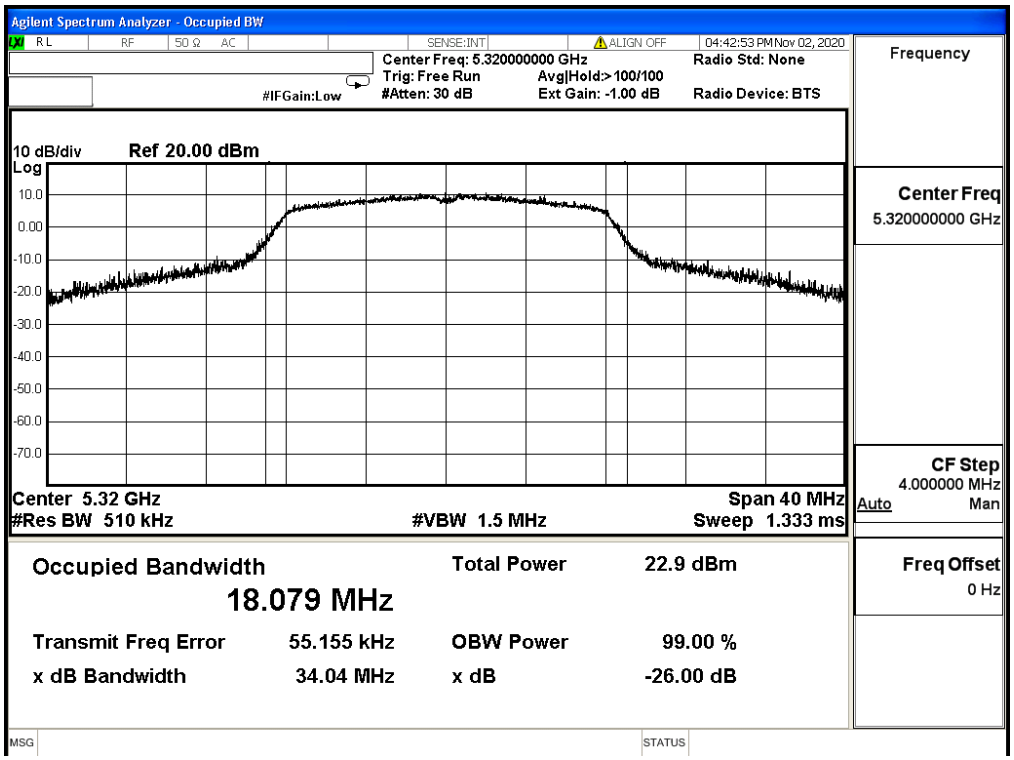
Channel 52 (5260MHz)



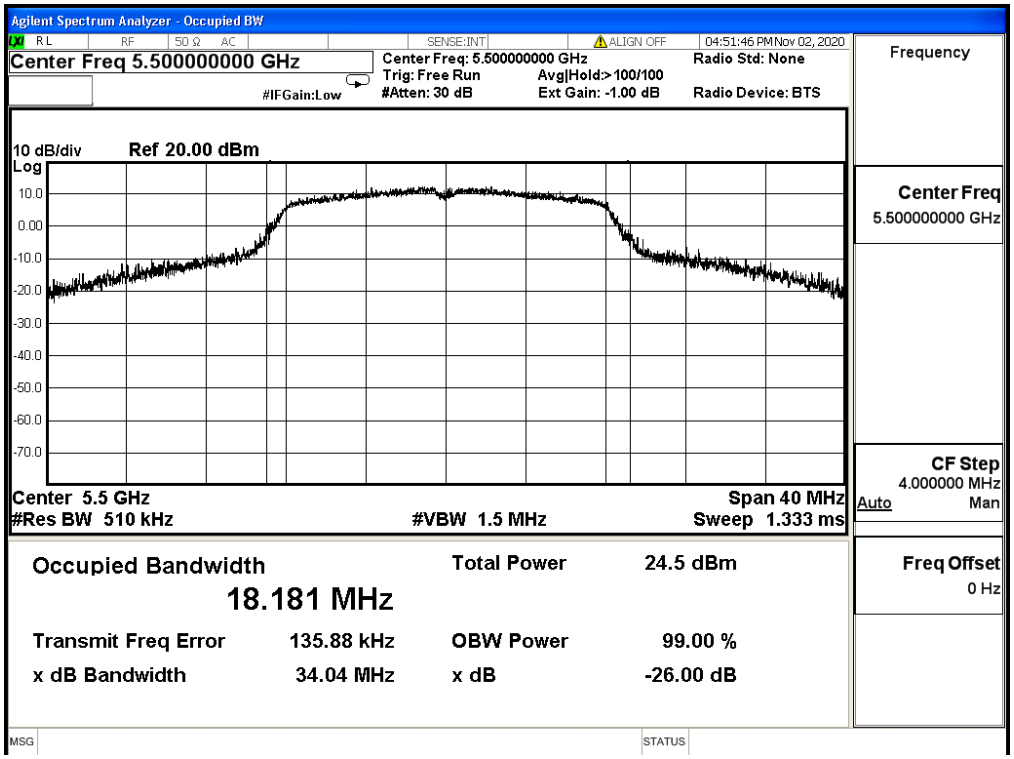
Channel 60 (5300MHz)



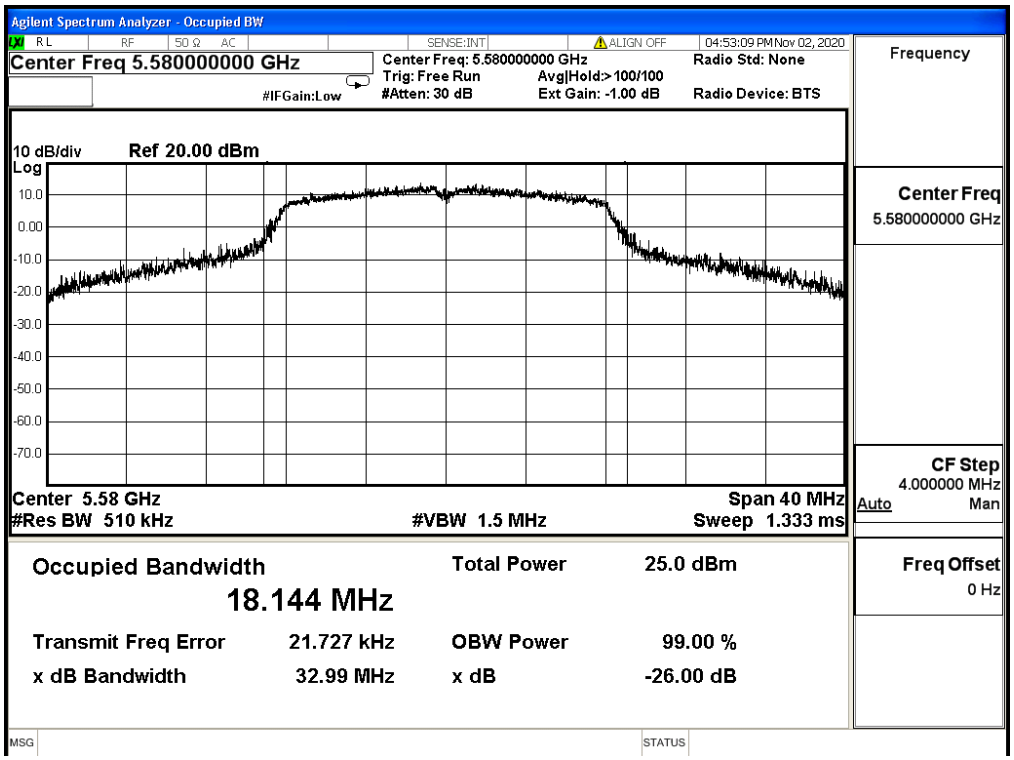
Channel 64 (5320MHz)



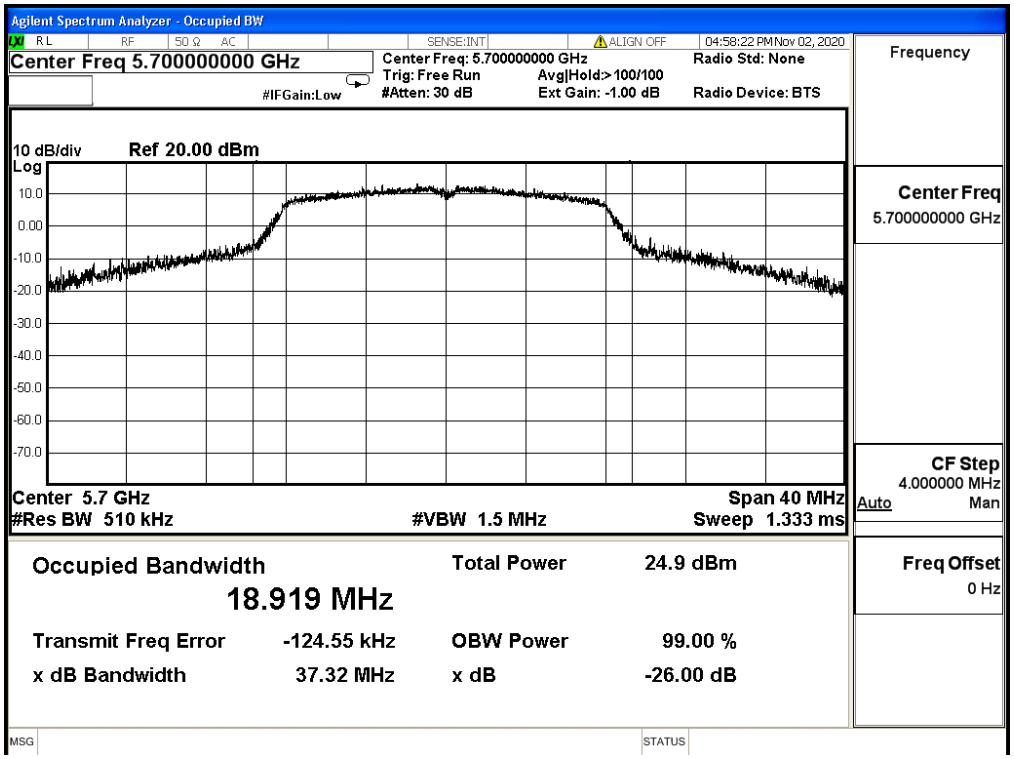
Channel 100 (5500MHz)



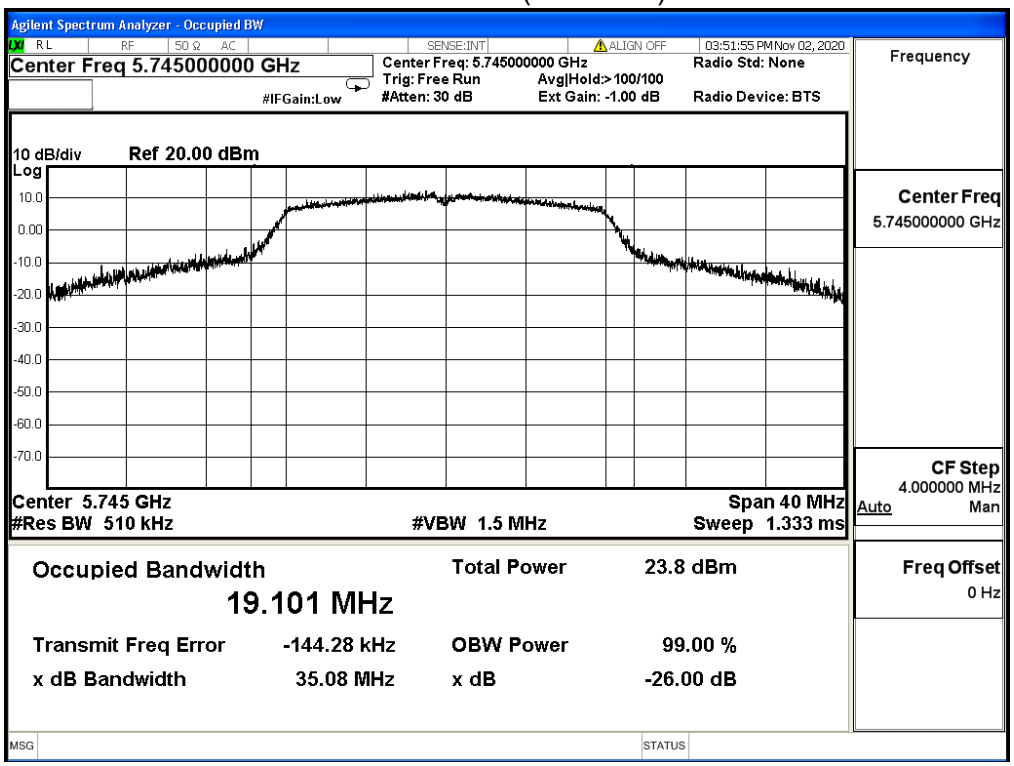
Channel 116 (5580MHz)



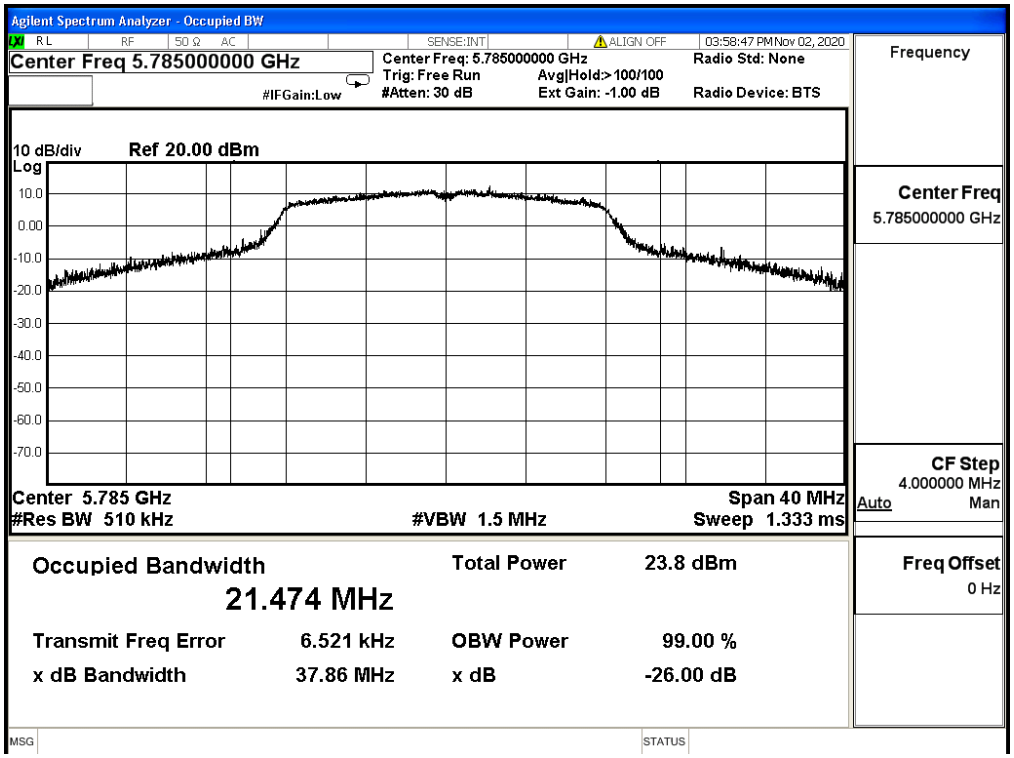
Channel 140 (5700MHz)



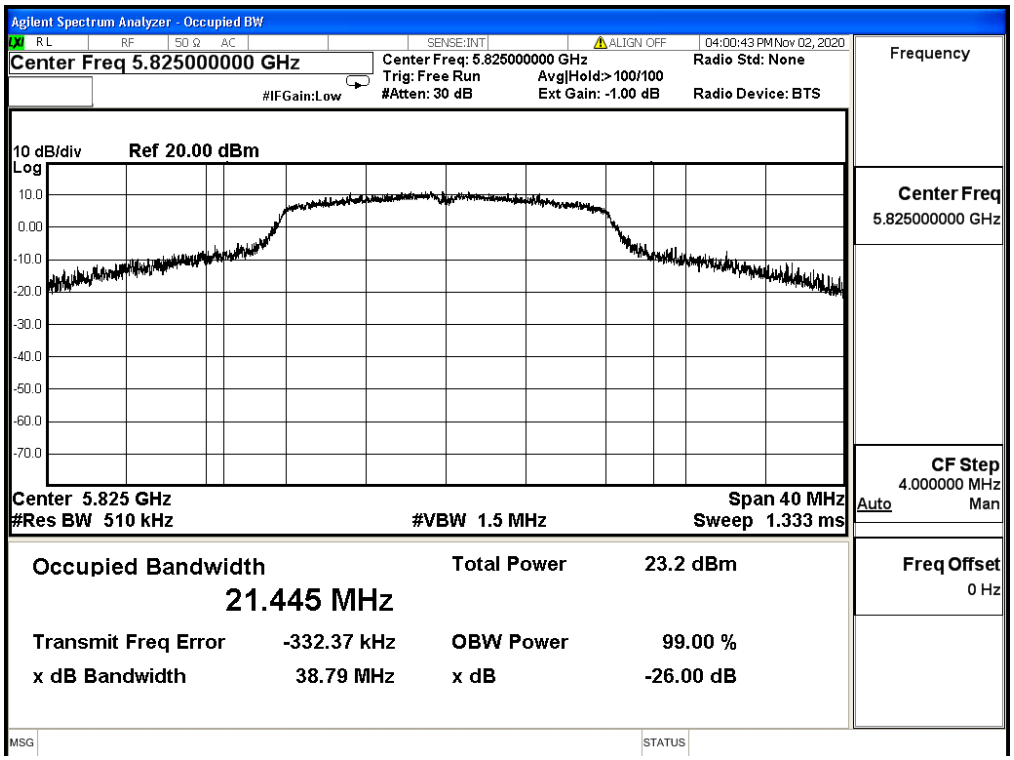
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

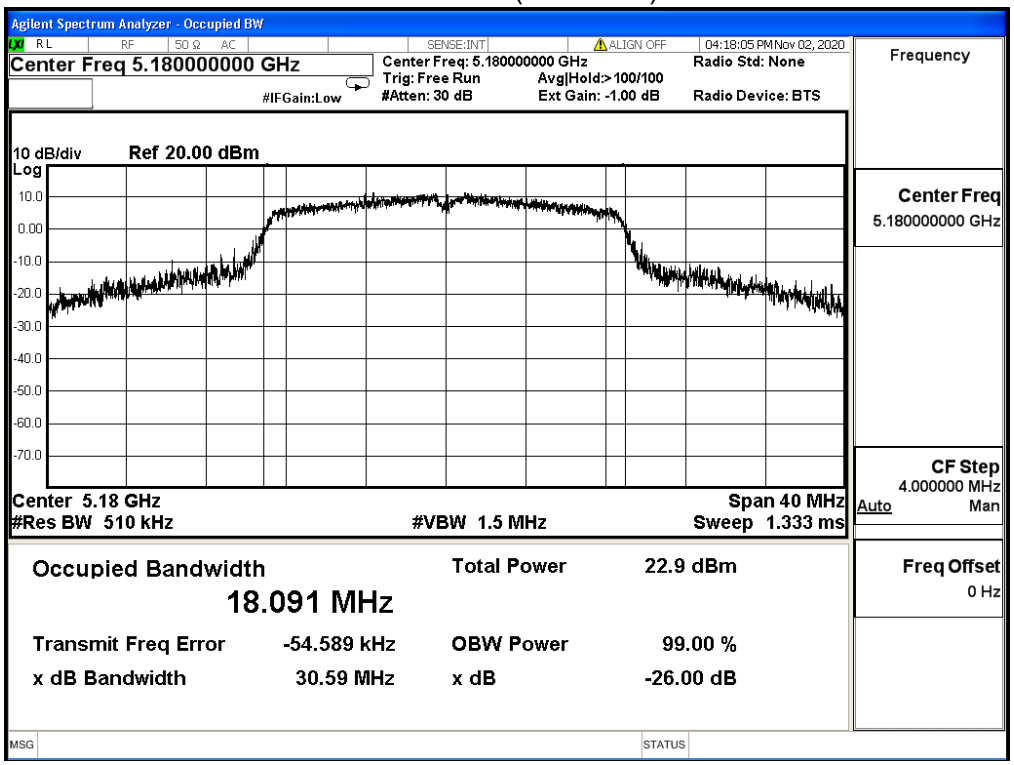


Product	Hex Sense		
Test Item	26dB & 99% Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

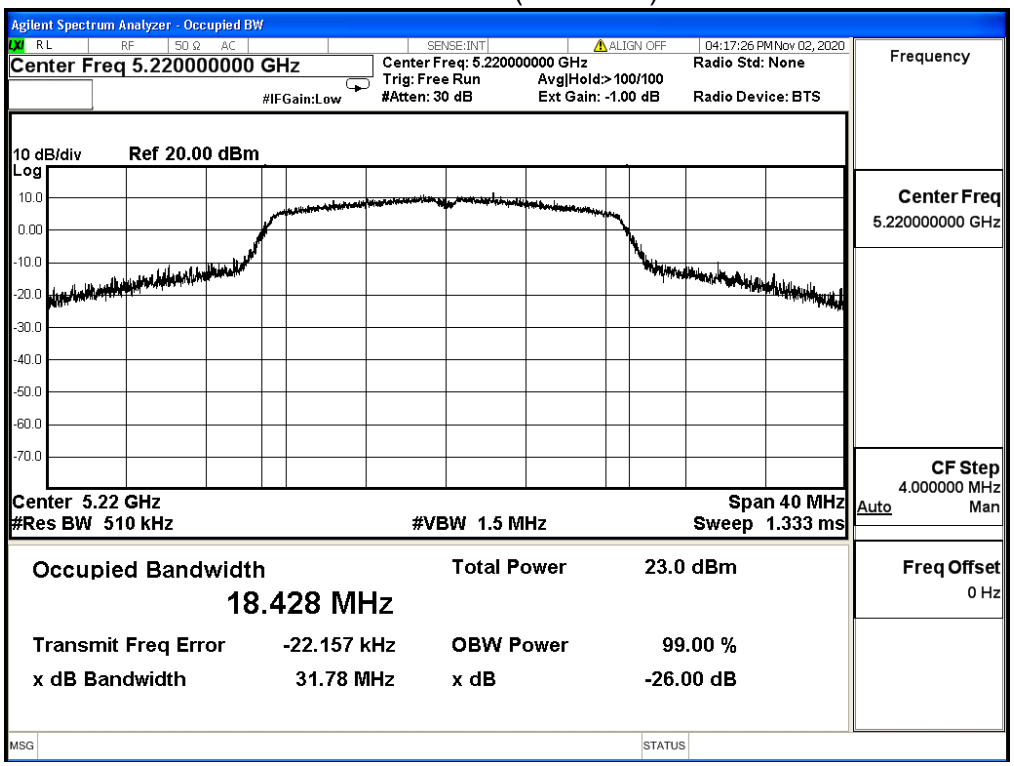
IEEE 802.11n_20M(ANT 0)

Channel No.	Frequency (MHz)	Measure Value		Limit (MHz)
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	
36	5180	18.091	30.590	--
44	5220	18.428	31.780	--
48	5240	18.434	35.040	--
52	5260	18.369	31.620	--
60	5300	18.515	32.190	--
64	5320	18.582	34.560	--
100	5500	19.136	36.190	--
116	5580	18.834	34.600	--
140	5700	18.766	36.100	--
149	5745	19.297	N/A	--
157	5785	21.306		--
165	5825	21.584		--

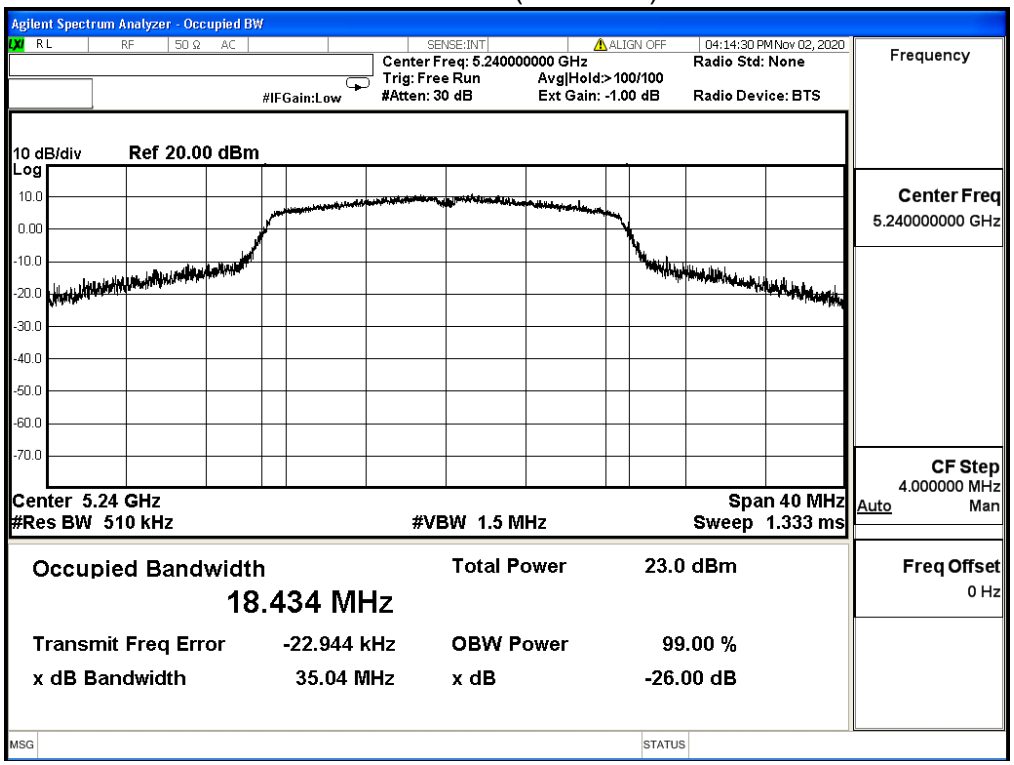
Channel 36 (5180MHz)



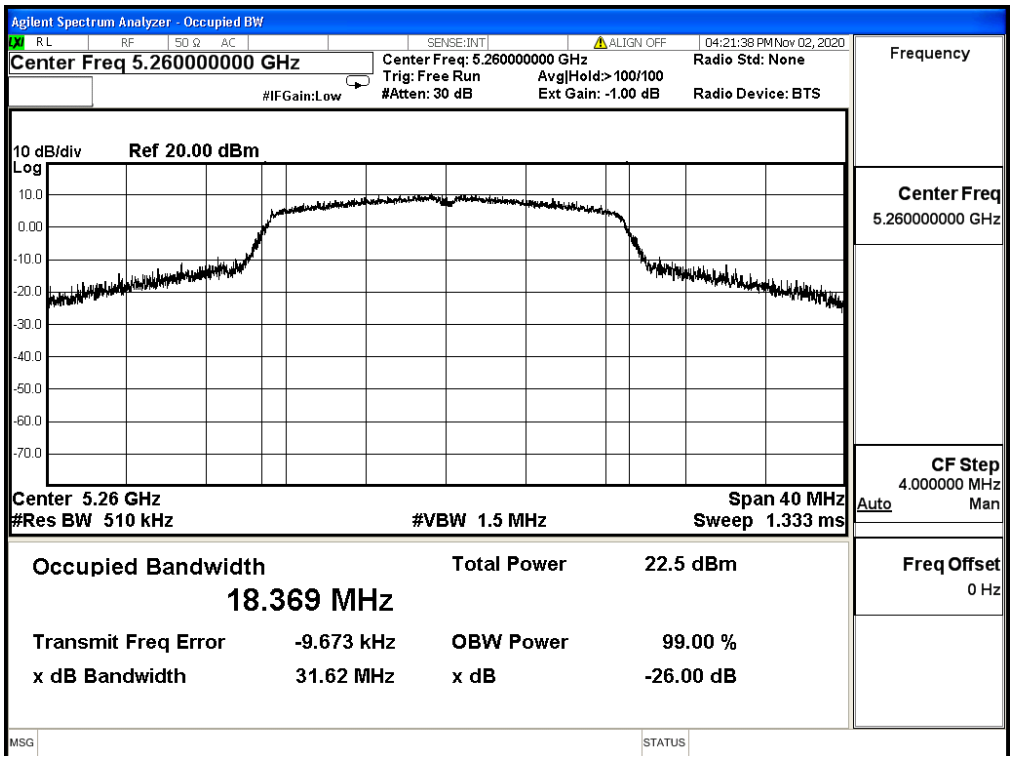
Channel 44 (5220MHz)



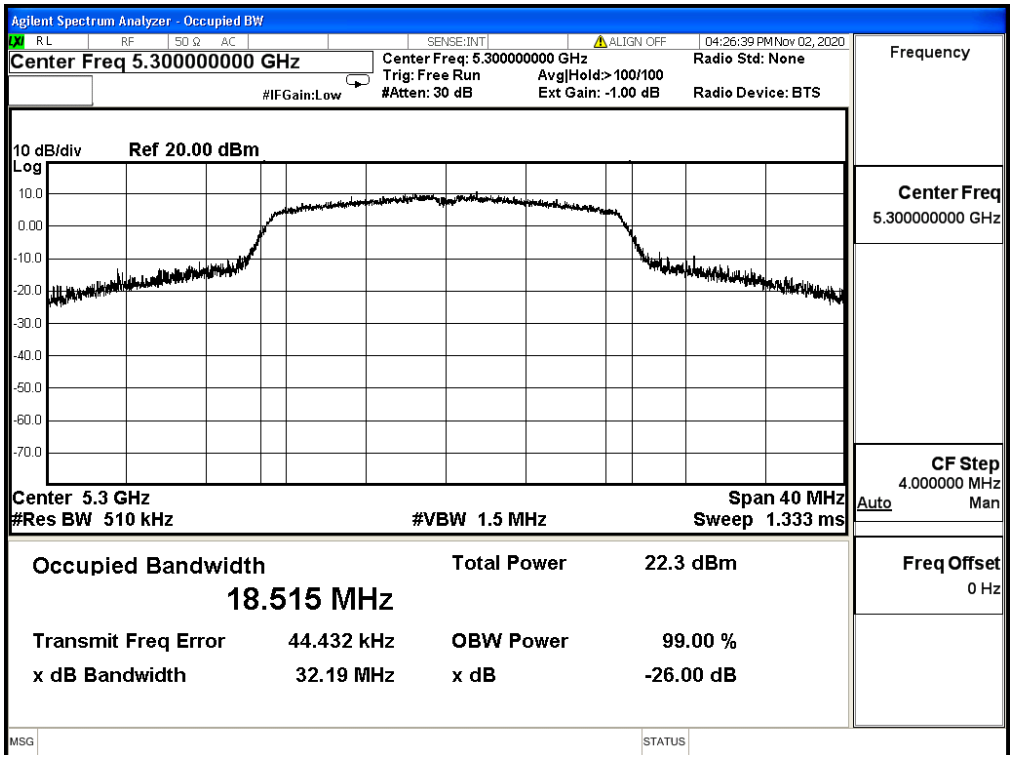
Channel 48 (5240MHz)



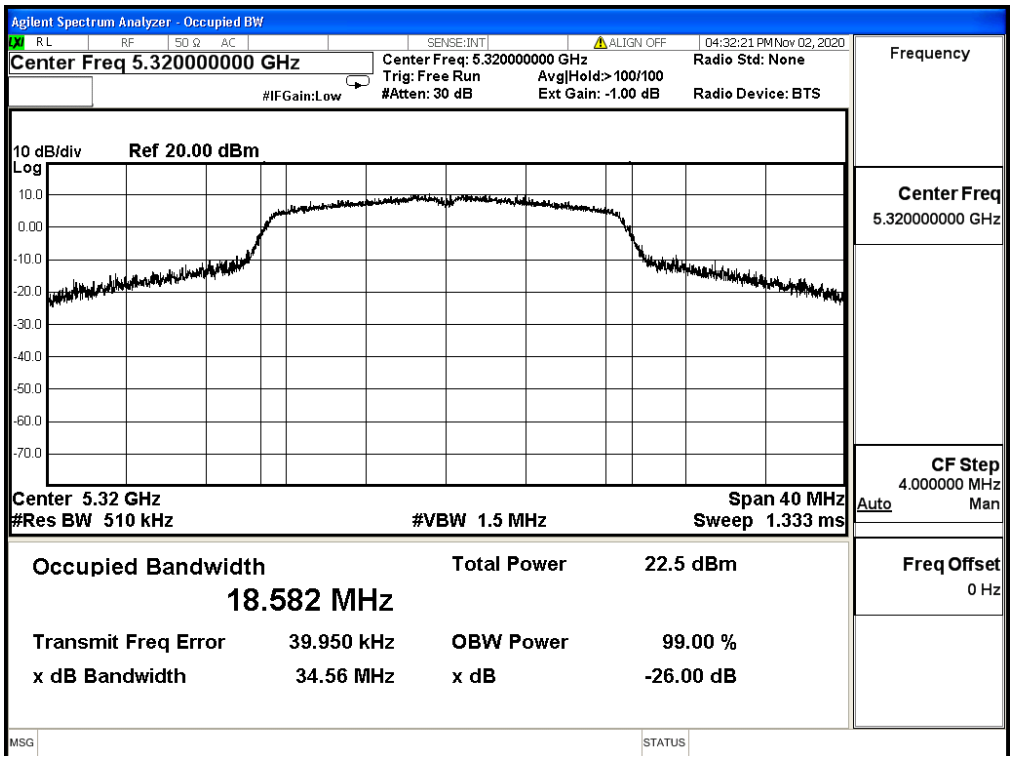
Channel 52 (5260MHz)



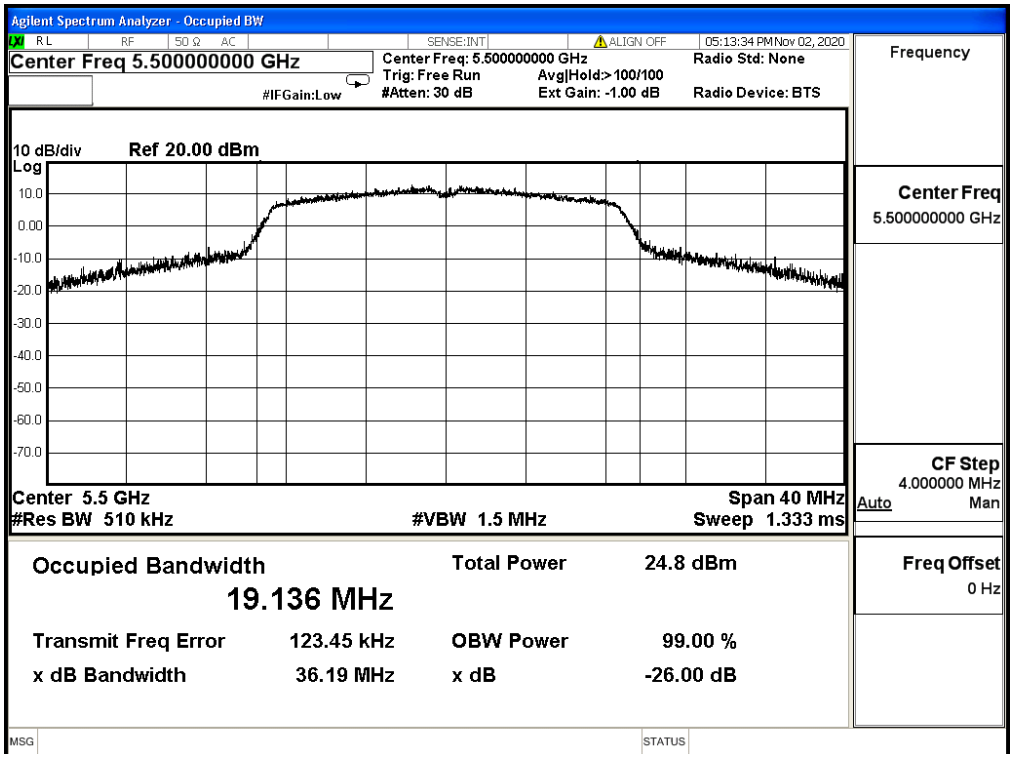
Channel 60 (5300MHz)



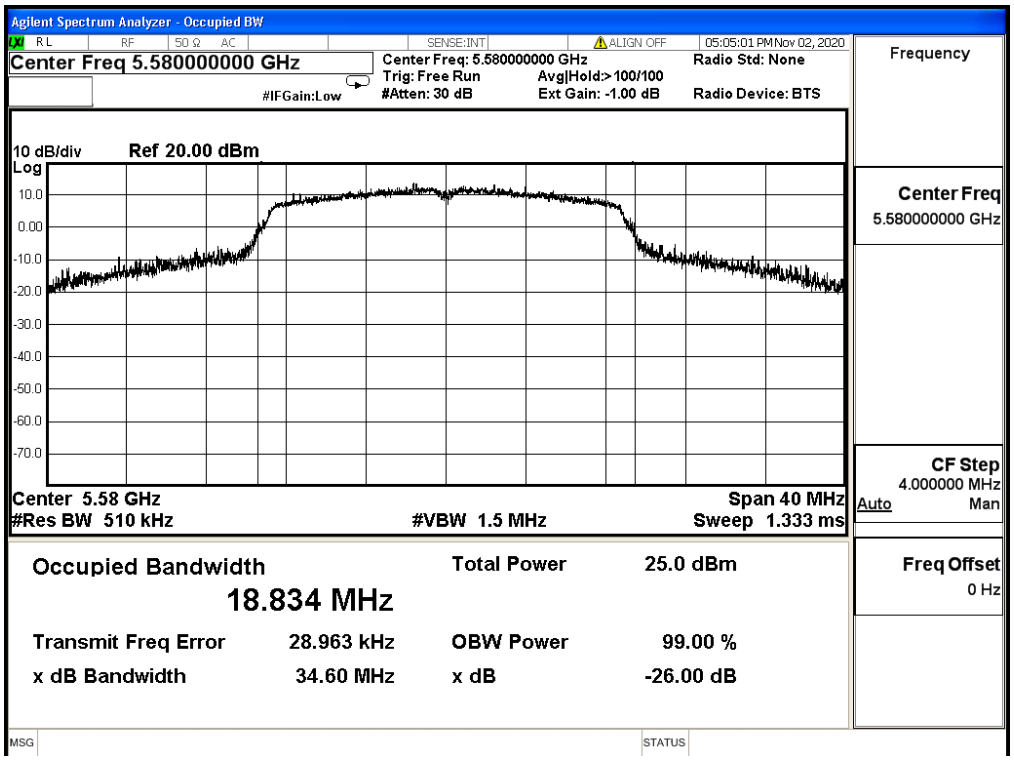
Channel 64 (5320MHz)



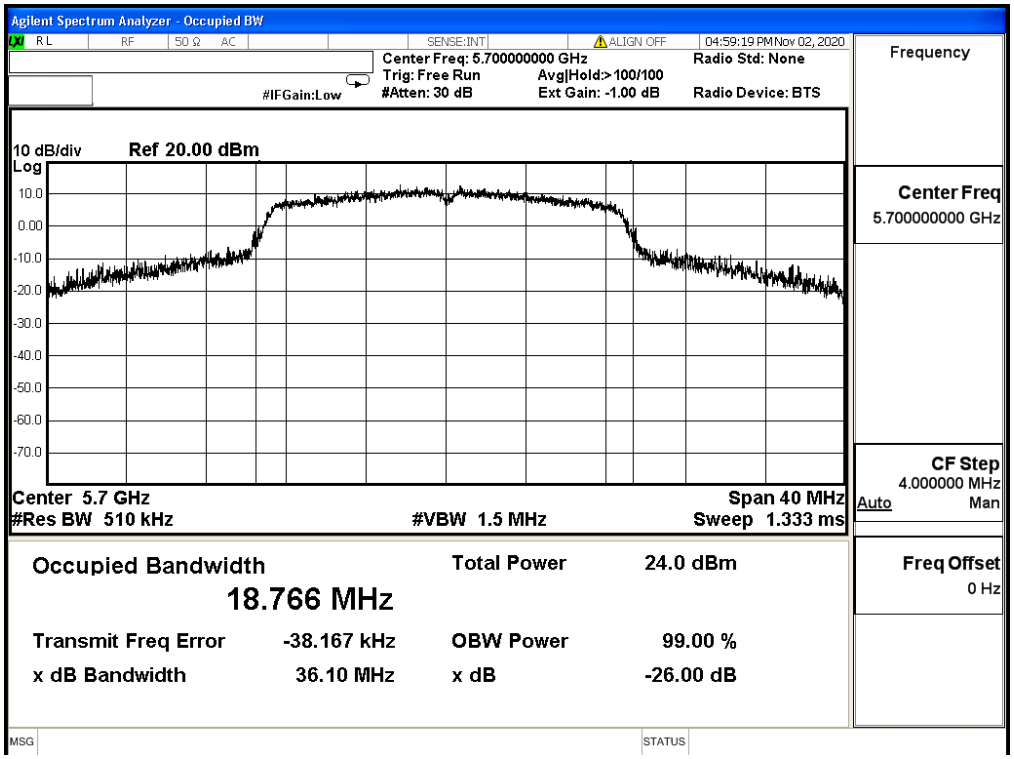
Channel 100 (5500MHz)



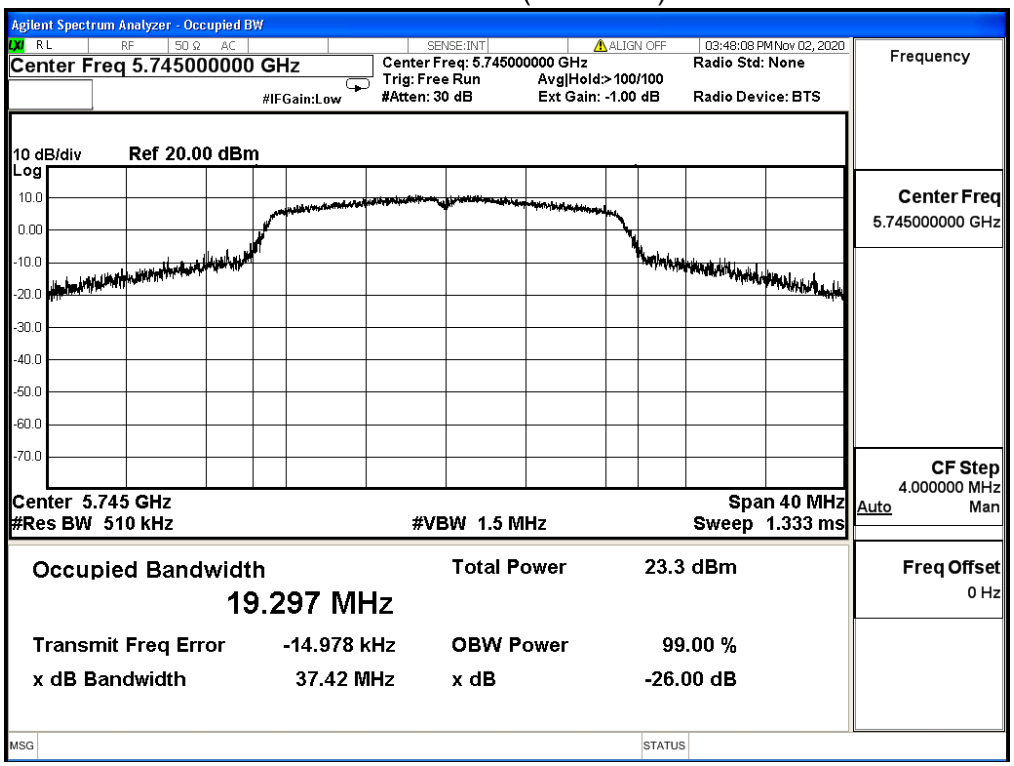
Channel 116 (5580MHz)



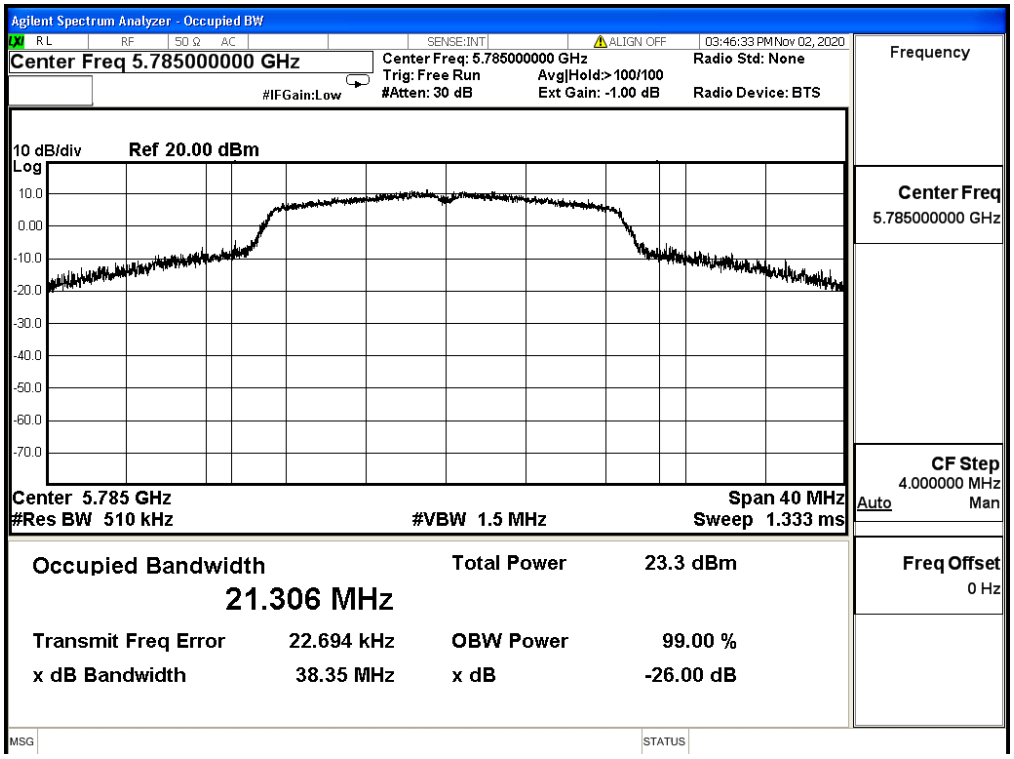
Channel 140 (5700MHz)



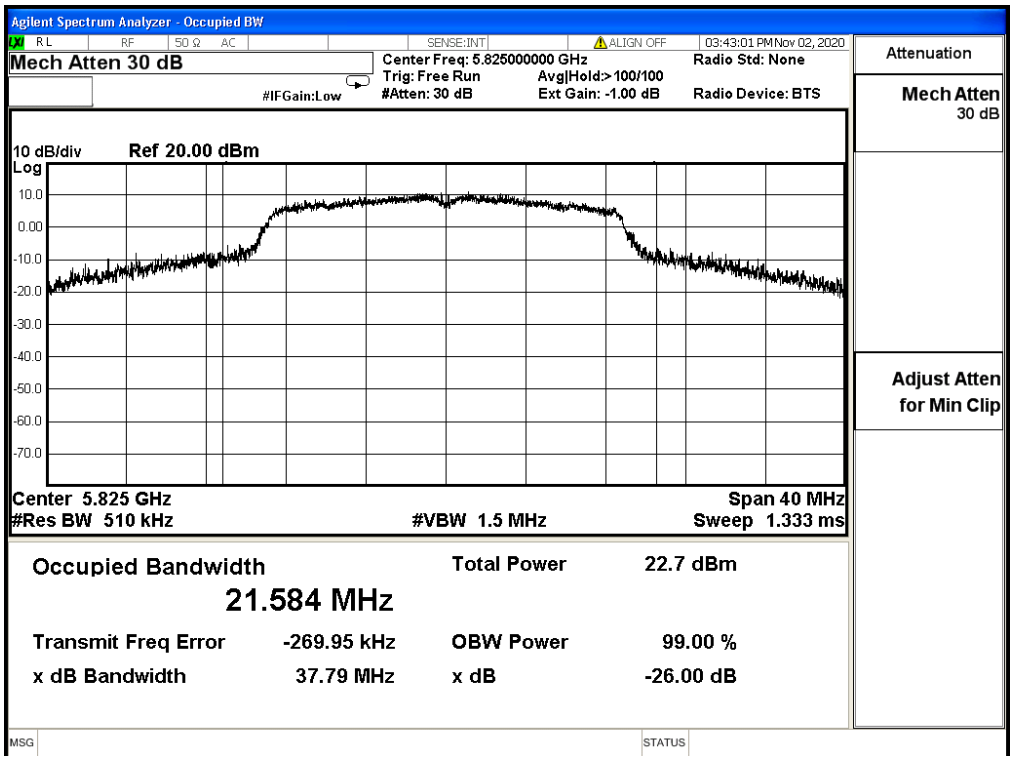
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

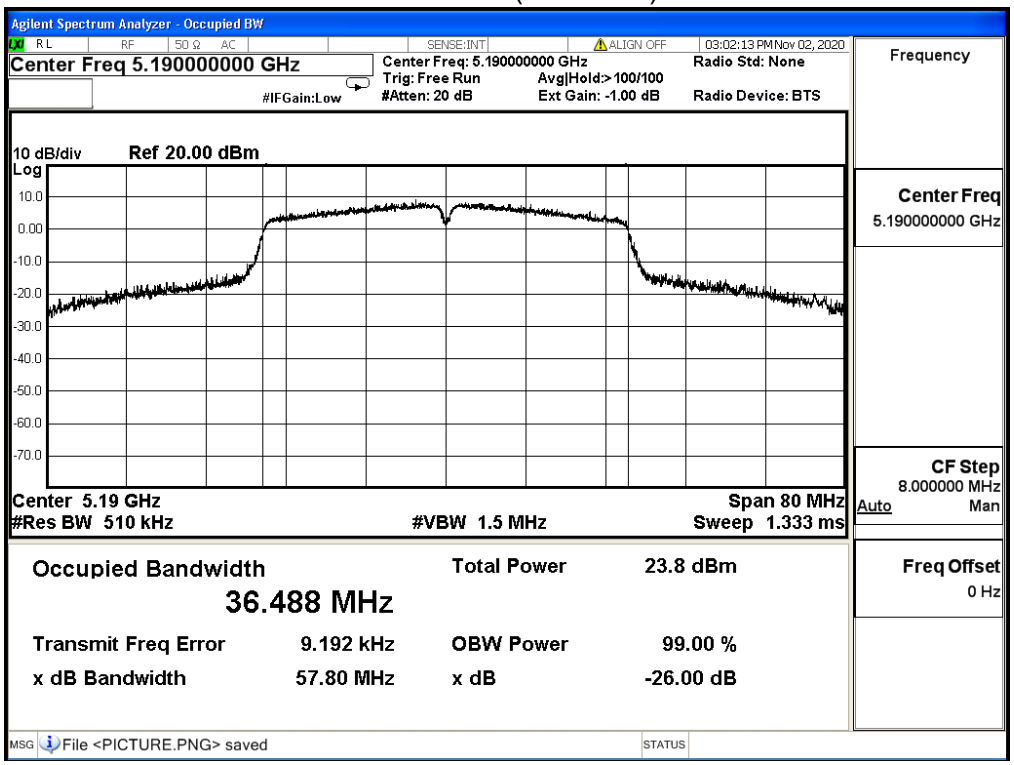


Product	Hex Sense		
Test Item	26dB & 99% Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

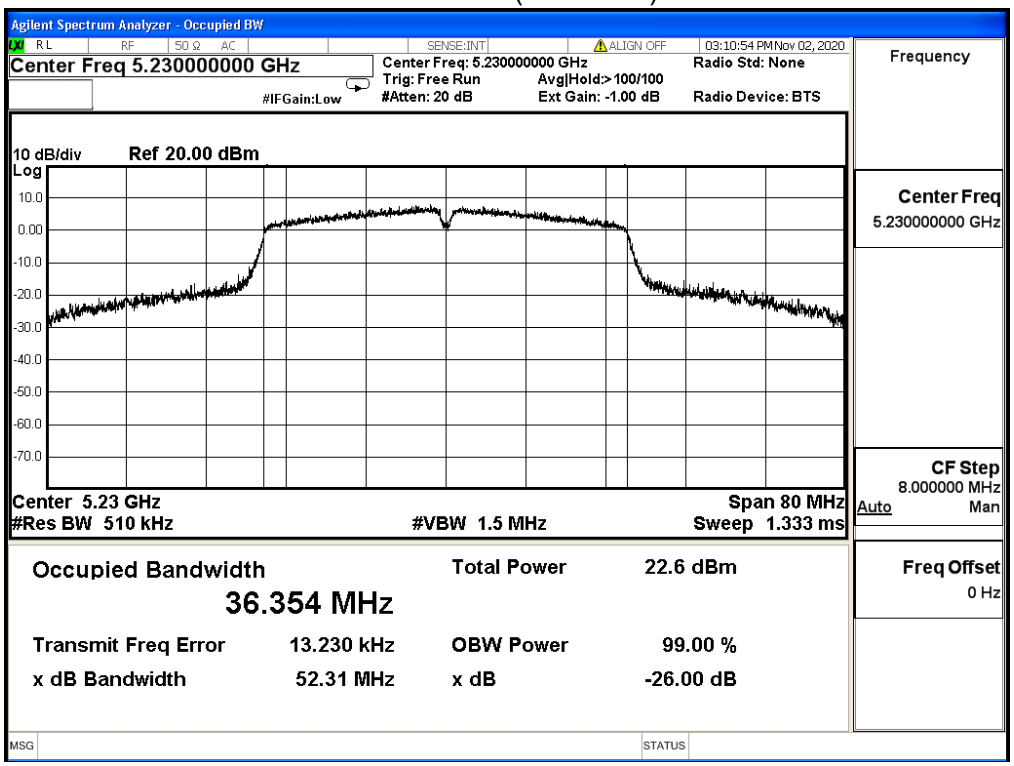
IEEE 802.11n_40M(ANT 0)

Channel No.	Frequency (MHz)	Measure Value		Limit (MHz)
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	
38	5190	36.488	57.800	--
46	5230	36.354	52.310	--
54	5270	36.260	54.790	--
62	5310	36.359	59.470	--
102	5510	36.493	63.080	--
110	5550	36.965	67.280	--
134	5670	36.742	65.220	--
151	5755	37.248	N/A	--
159	5795	37.393		--

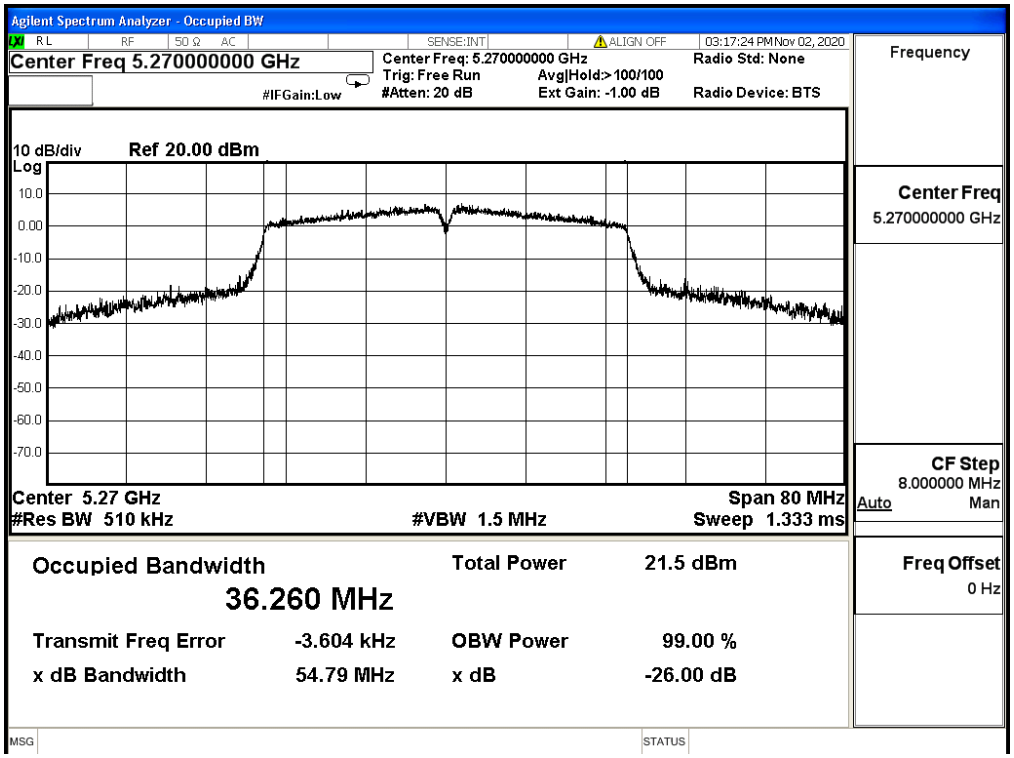
Channel 38 (5190MHz)



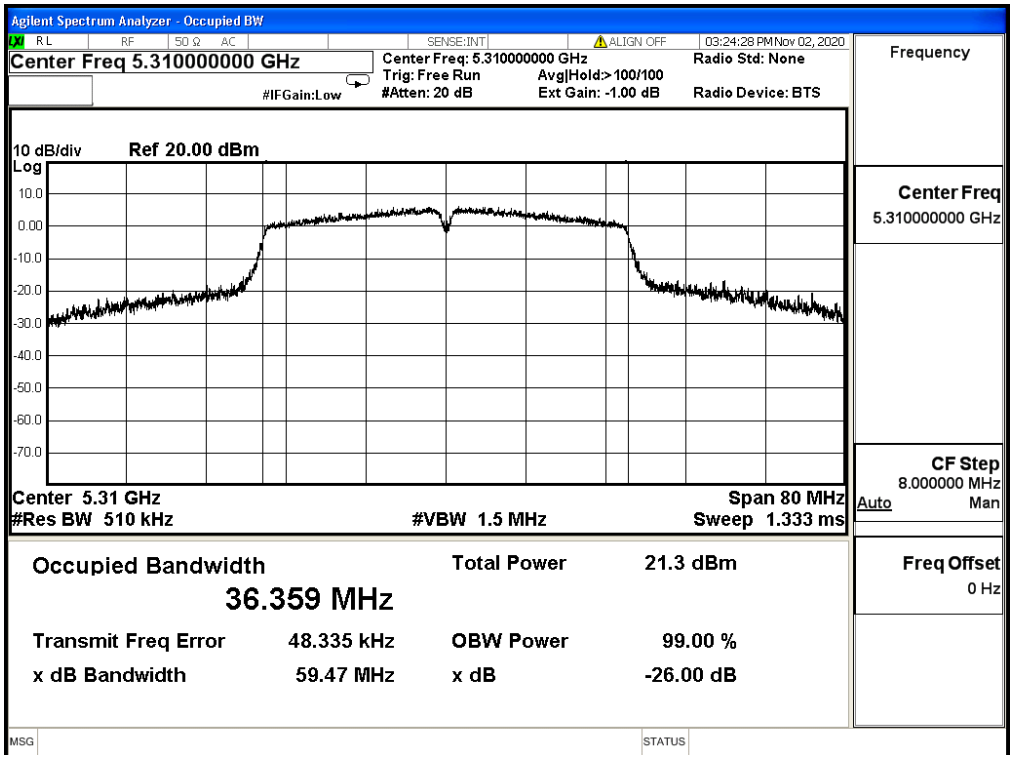
Channel 46 (5230MHz)



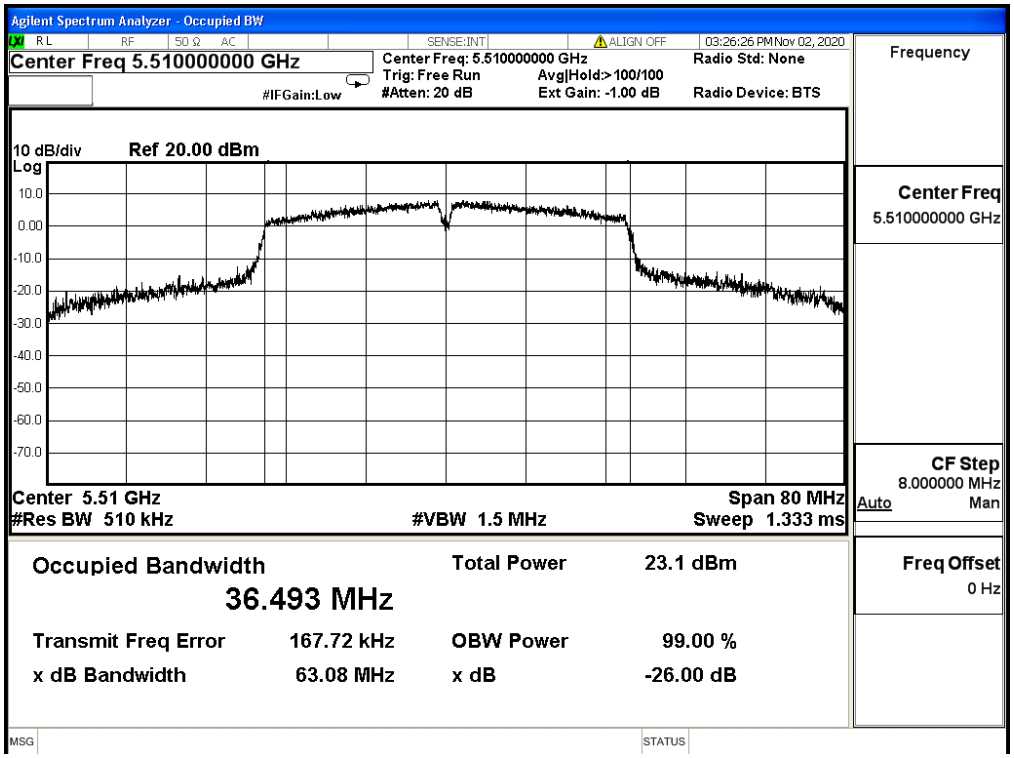
Channel 54 (5270MHz)



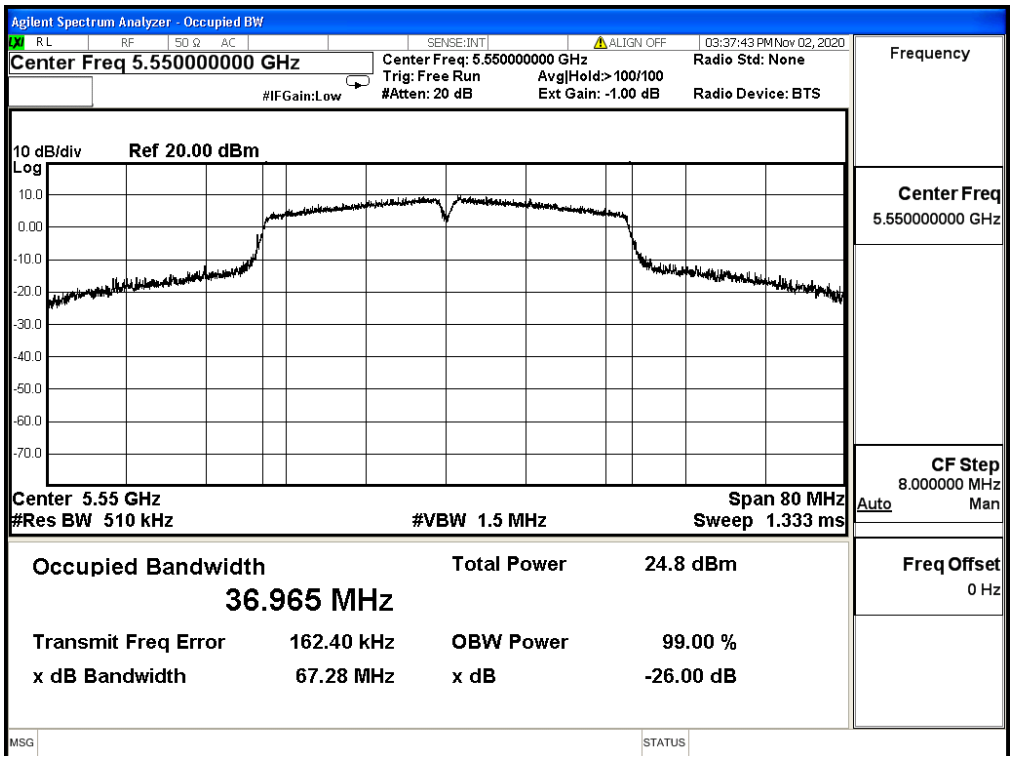
Channel 62 (5310MHz)



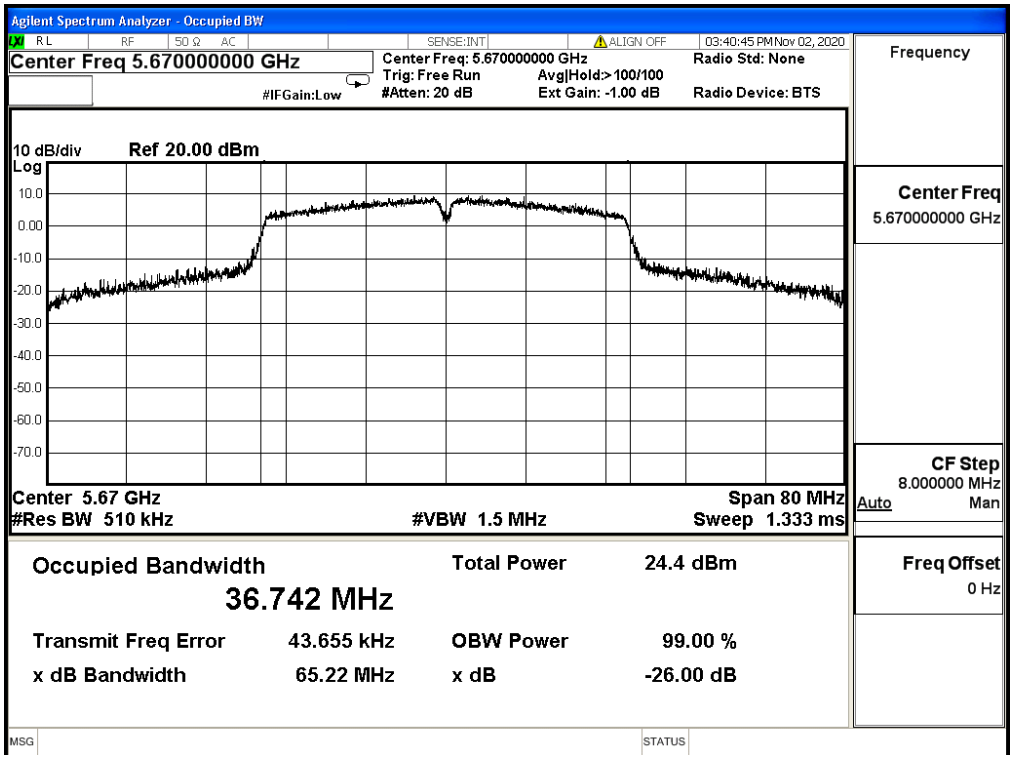
Channel 102 (5510MHz)



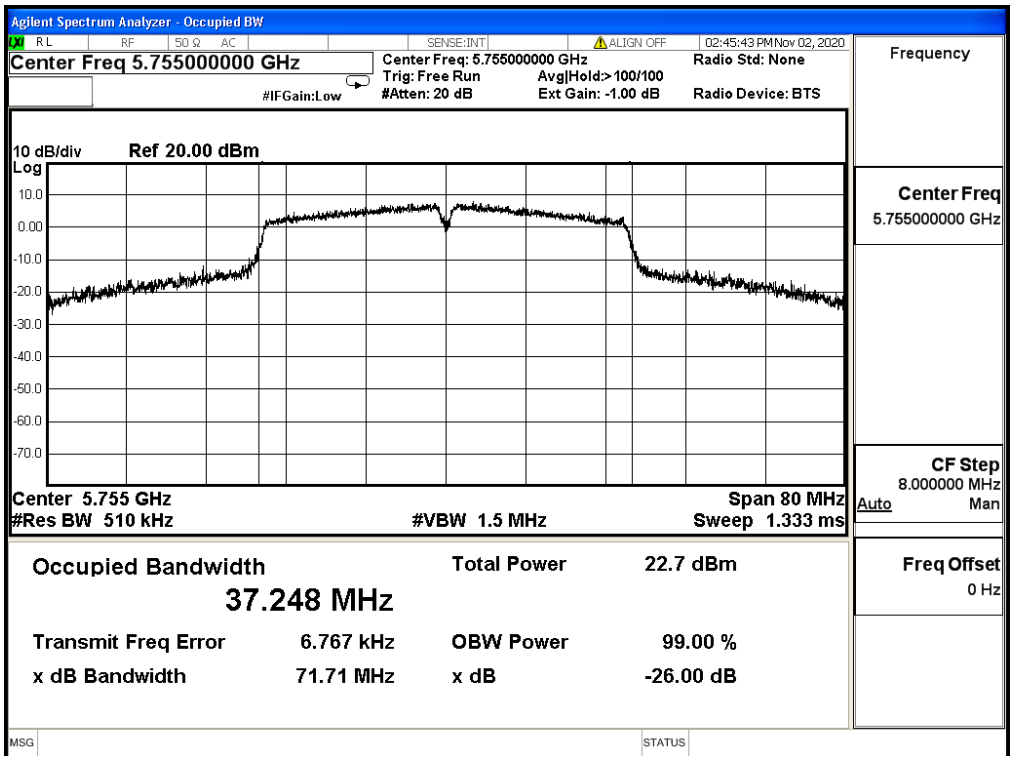
Channel 110 (5550MHz)



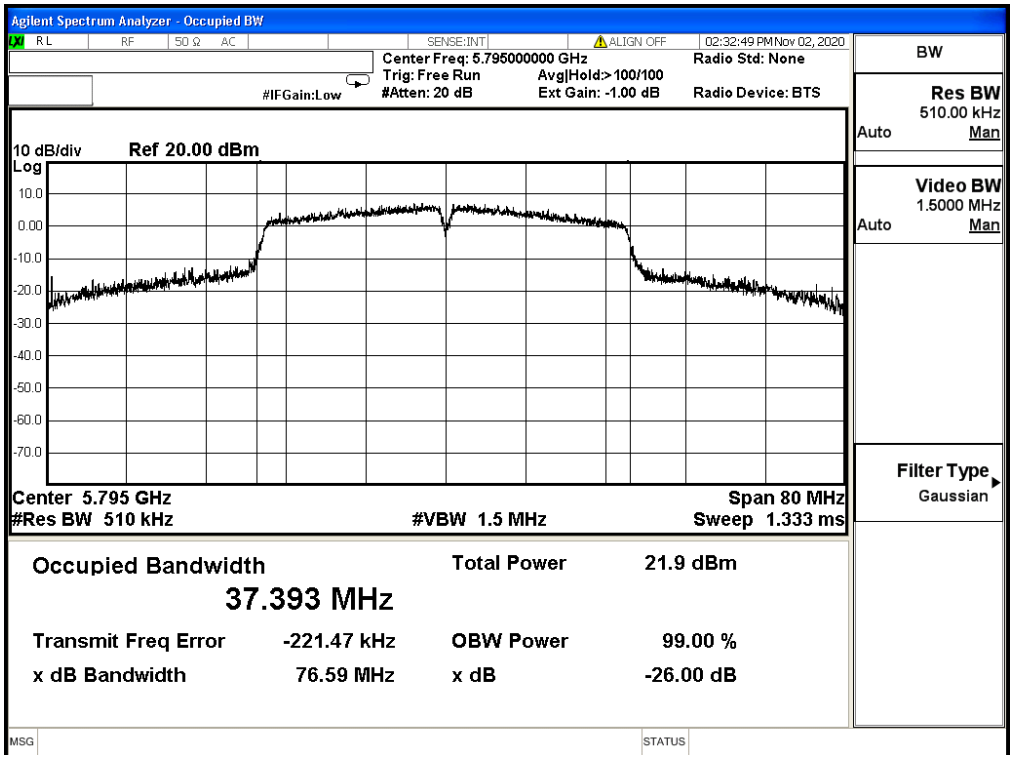
Channel 134 (5670MHz)



Channel 151 (5755MHz)



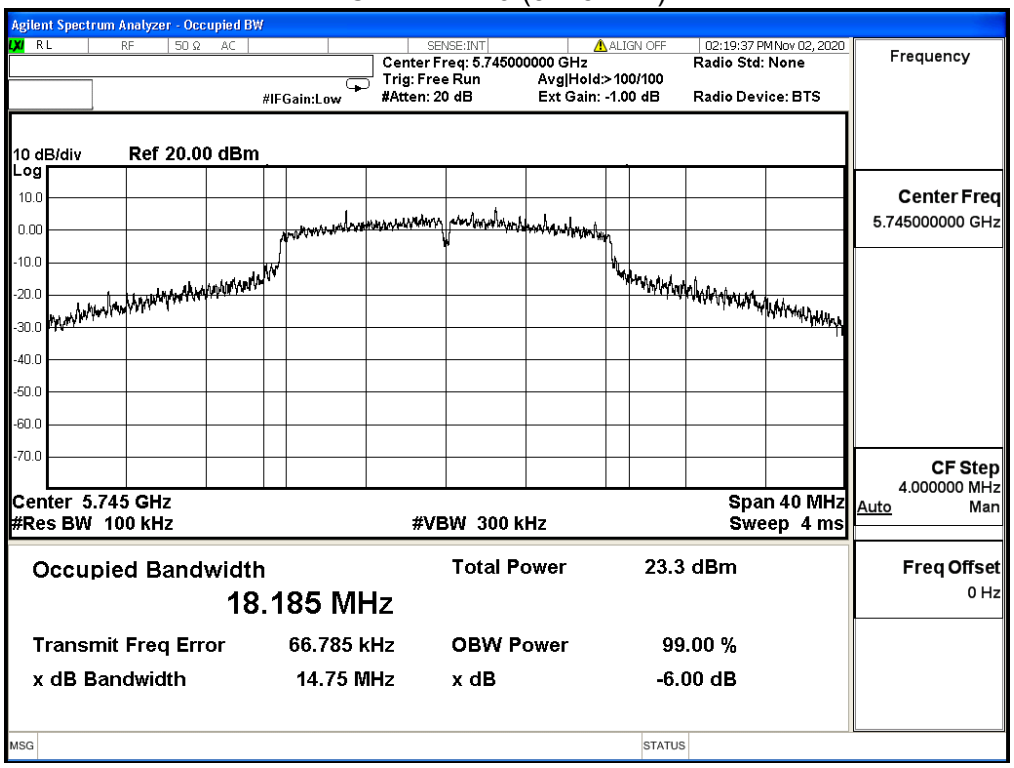
Channel 159 (5795MHz)



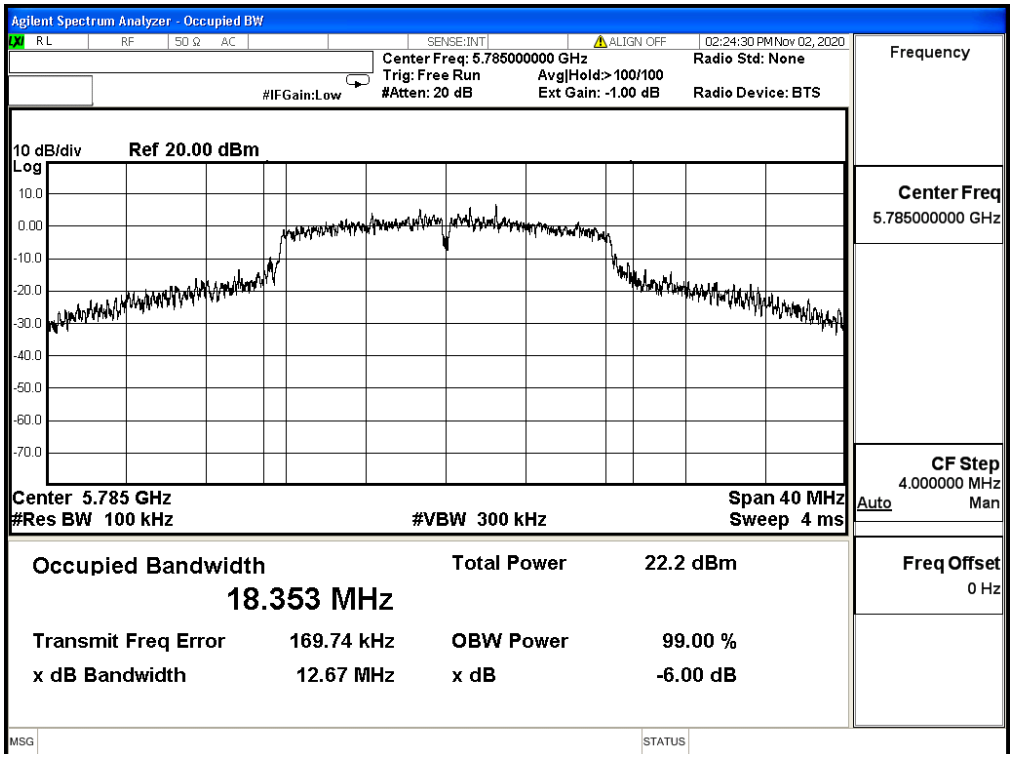
Product	Hex Sense		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

IEEE 802.11a (ANT 0)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	14.750	≧ 0.500
157	5785	12.670	≧ 0.500
165	5825	16.310	≧ 0.500

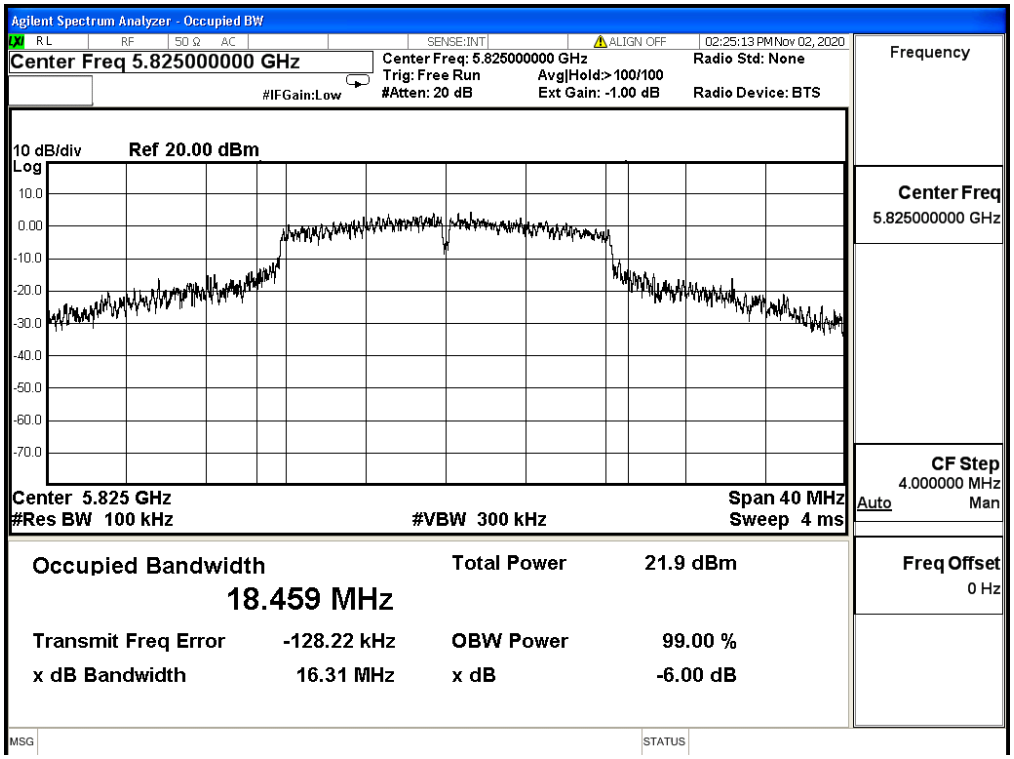
Channel 149 (5745MHz)



Channel 157 (5785MHz)



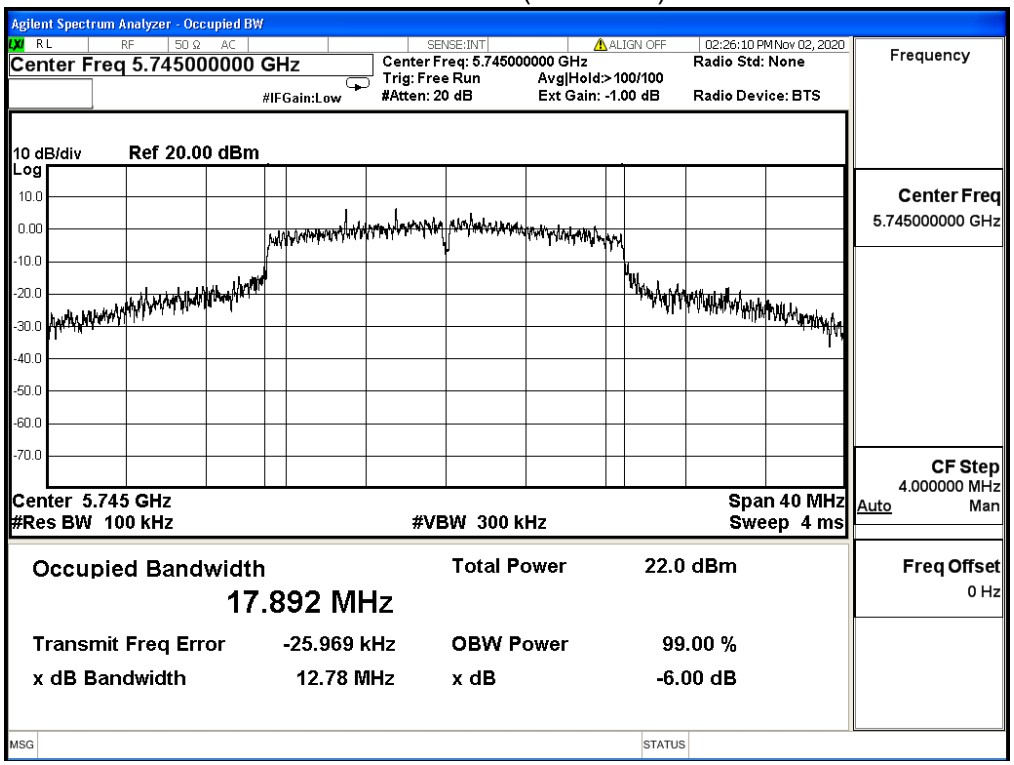
Channel 165 (5825MHz)



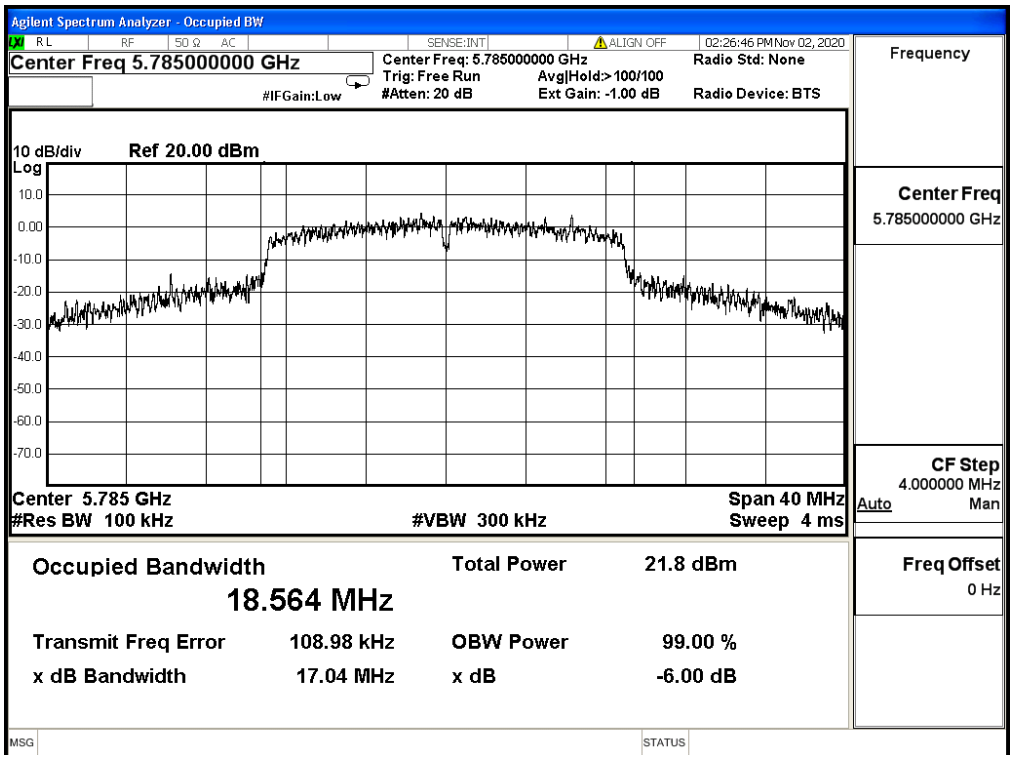
Product	Hex Sense		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

IEEE 802.11n_20M(ANT 0)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
149	5745	12.780	≧ 0.500
157	5785	17.040	≧ 0.500
165	5825	16.670	≧ 0.500

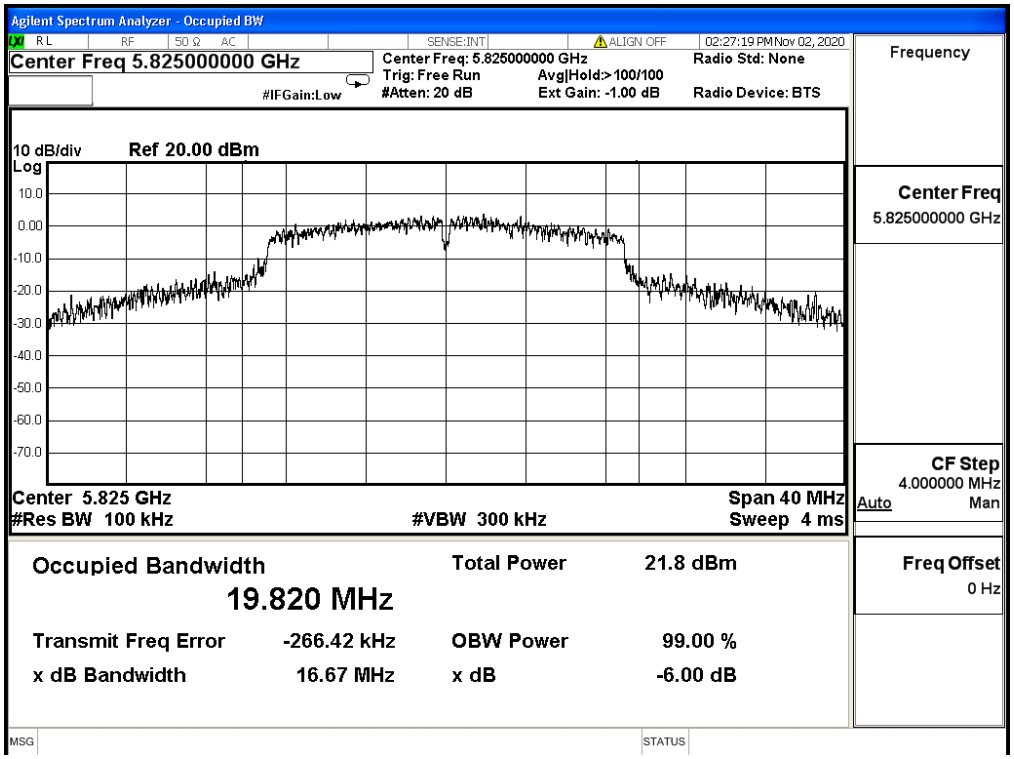
Channel 149 (5745MHz)



Channel 157 (5785MHz)



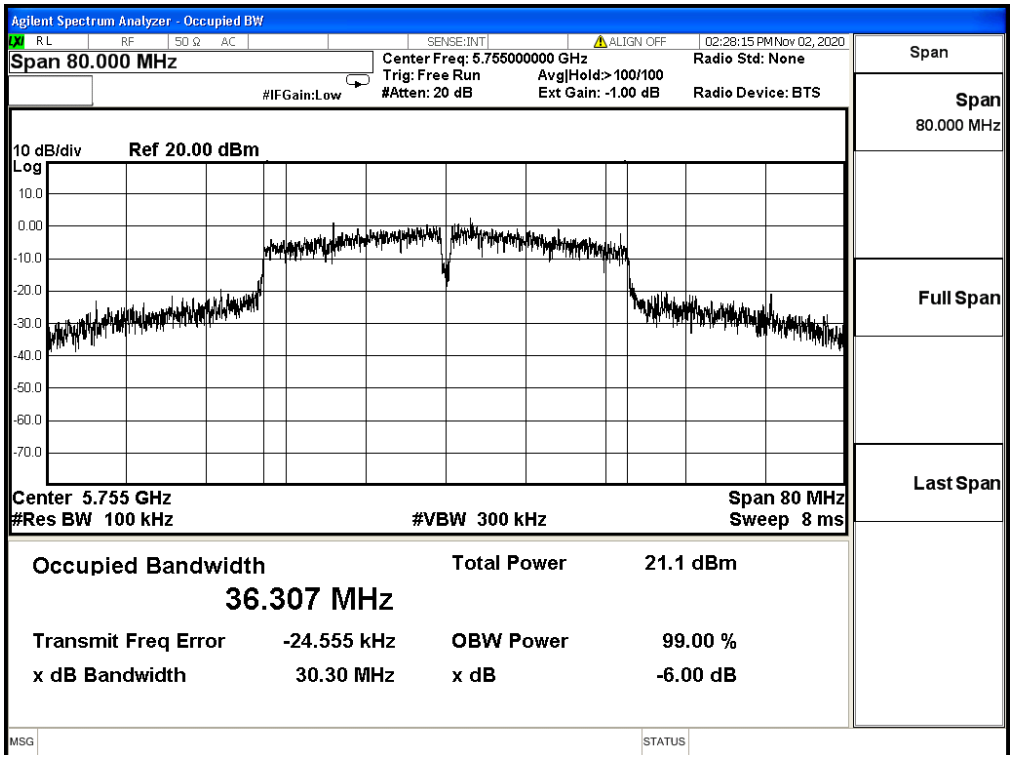
Channel 165 (5825MHz)



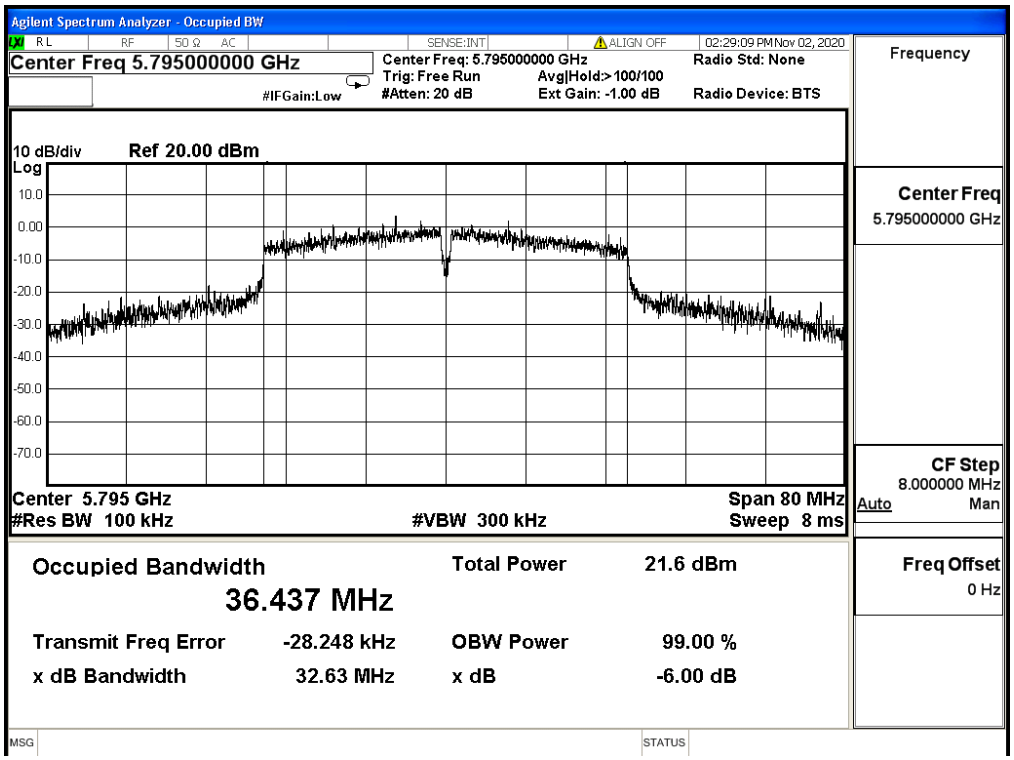
Product	Hex Sense		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0%

IEEE 802.11n_40M(ANT 0)			
Channel No.	Frequency (MHz)	Measure Value (MHz)	Limit (MHz)
151	5755	30.300	≧ 0.500
159	5795	32.630	≧ 0.500

Channel 151 (5755MHz)

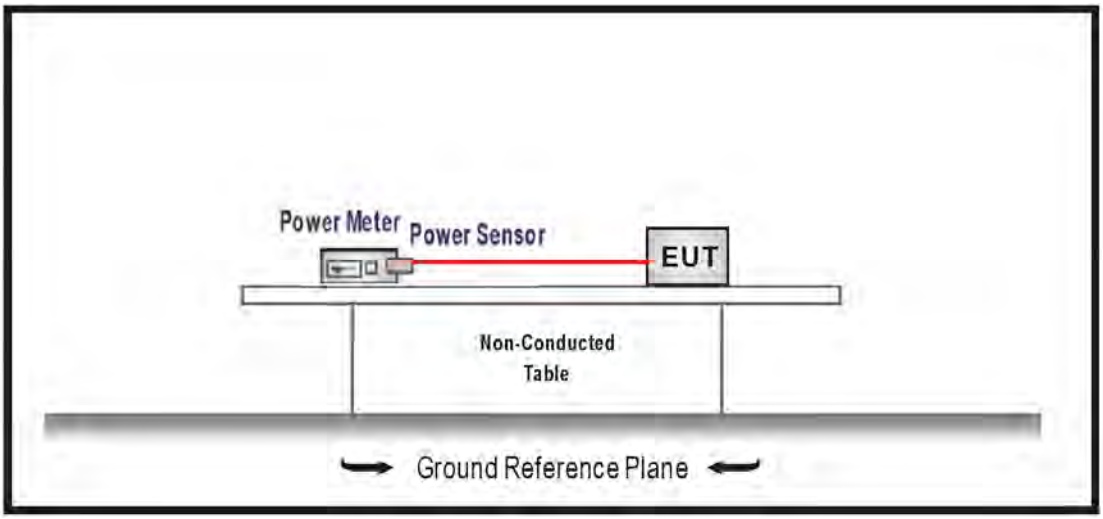


Channel 159 (5795MHz)



4. Maximum conducted output power

4.1. Test Setup



4.2. Limits

1. For the band 5.15-5.25 GHz, the Maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

2. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. The maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3. For the band 5.25-5.35 GHz, the Maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4. For the band 5.725-5.850 GHz, the Maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4.3. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033 D02 v02r01 for compliance to FCC 47CFR Subpart E requirements. The Method PM-G of the Maximum conducted output power was used.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

4.4. Test Result

Product	Hex Sense		
Test Item	Maximum conducted output power		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

IEEE 802.11a (Ant. 0)

Channel No.	Frequency (MHz)	Measure Value (dBm)	Limit (dBm)
36	5180	19.690	≦30.000
44	5220	19.550	≦30.000
48	5240	19.610	≦30.000
52	5260	19.510	≦24.000
60	5300	19.450	≦24.000
64	5320	18.720	≦24.000
100	5500	19.380	≦24.000
116	5580	19.750	≦24.000
140	5700	16.750	≦24.000
149	5745	19.460	≦30.000
157	5785	19.570	≦30.000
165	5825	19.660	≦30.000

The worst emission of data rate is 6 Mbps.

Product	Hex Sense		
Test Item	Maximum conducted output power		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

IEEE 802.11n (20MHz)(Ant. 0)

Channel No.	Frequency (MHz)	Measure Value (dBm)	Limit (dBm)
36	5180	19.370	≦30.000
44	5220	19.420	≦30.000
48	5240	19.490	≦30.000
52	5260	19.330	≦24.000
60	5300	19.220	≦24.000
64	5320	18.360	≦24.000
100	5500	18.330	≦24.000
116	5580	19.610	≦24.000
140	5700	16.470	≦24.000
149	5745	19.380	≦30.000
157	5785	19.550	≦30.000
165	5825	19.770	≦30.000

The worst emission of data rate is MCS 0.

Product	Hex Sense		
Test Item	Maximum conducted output power		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

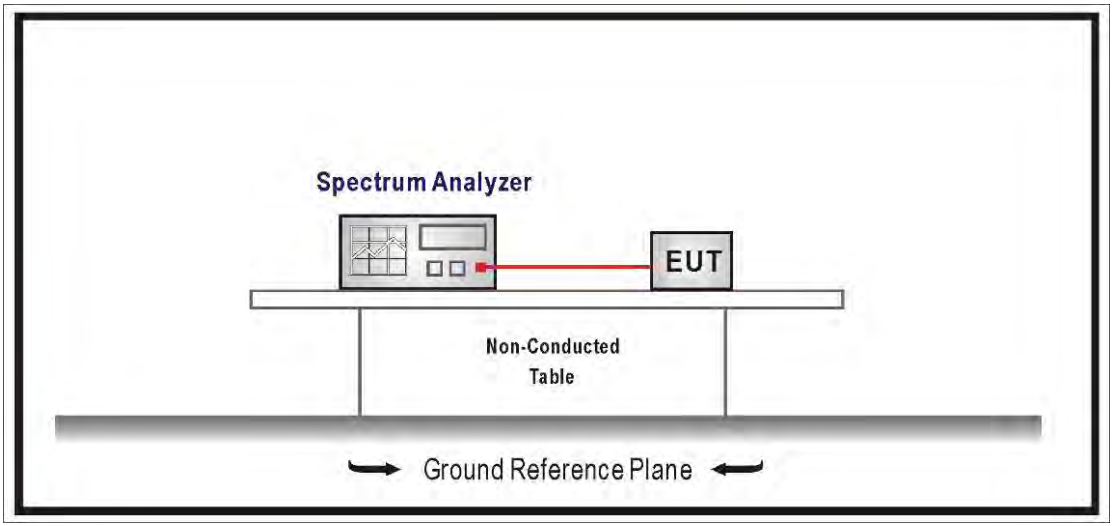
IEEE 802.11n (40MHz)(Ant. 0)

Channel No.	Frequency (MHz)	Measure Value (dBm)	Limit (dBm)
38	5190	16.210	≦30.000
46	5230	18.670	≦30.000
54	5270	18.390	≦24.000
62	5310	15.610	≦24.000
102	5510	15.510	≦24.000
110	5550	19.150	≦24.000
134	5670	17.710	≦24.000
151	5755	18.460	≦30.000
159	5795	18.770	≦30.000

The worst emission of data rate is MCS 0.

5. Maximum power spectral density

5.1. Test Setup



5.2. Limits

1. For the band 5.15-5.25 GHz, the Maximum power spectral density shall not exceed 17 dBm in any 1MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
2. For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi
3. For the band 5.25-5.35 GHz, the Maximum power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
4. For the band 5.725-5.850 GHz, the Maximum power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi..

5.3. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033 D02 v02r01 for compliance to FCC 47CFR Subpart E requirements.

For Band1 : Set RBW=1MHz, VBW=3MHz with RMS detector. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging.

For Band4 : Set RBW=500KHz, VBW=1.5MHz with RMS detector. The PPSD is the highest level found across the emission in any 500KHz band after 100 sweeps of averaging.

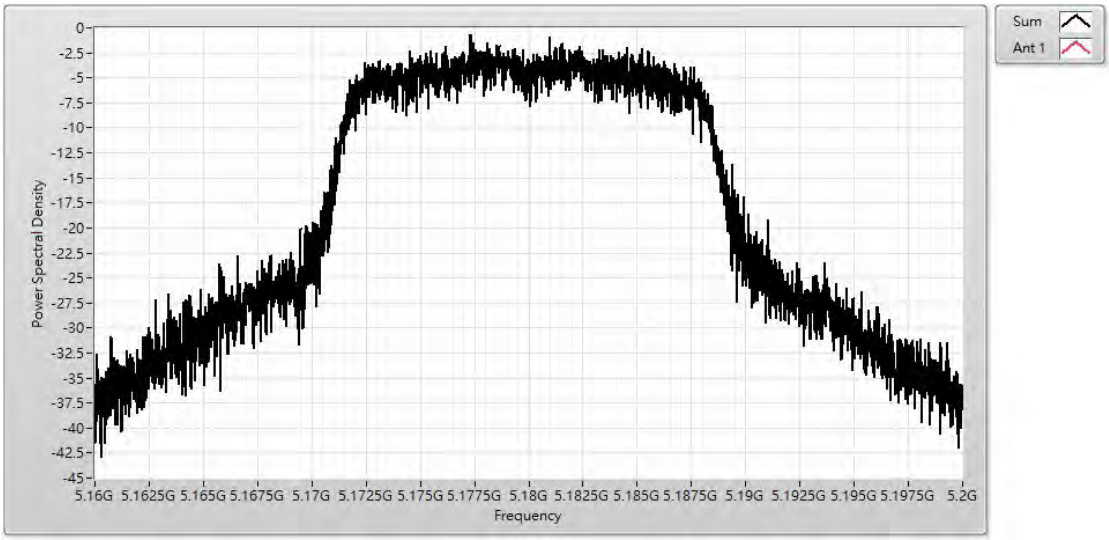
5.4. Test Result

Product	Hex Sense		
Test Item	Maximum power spectral density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

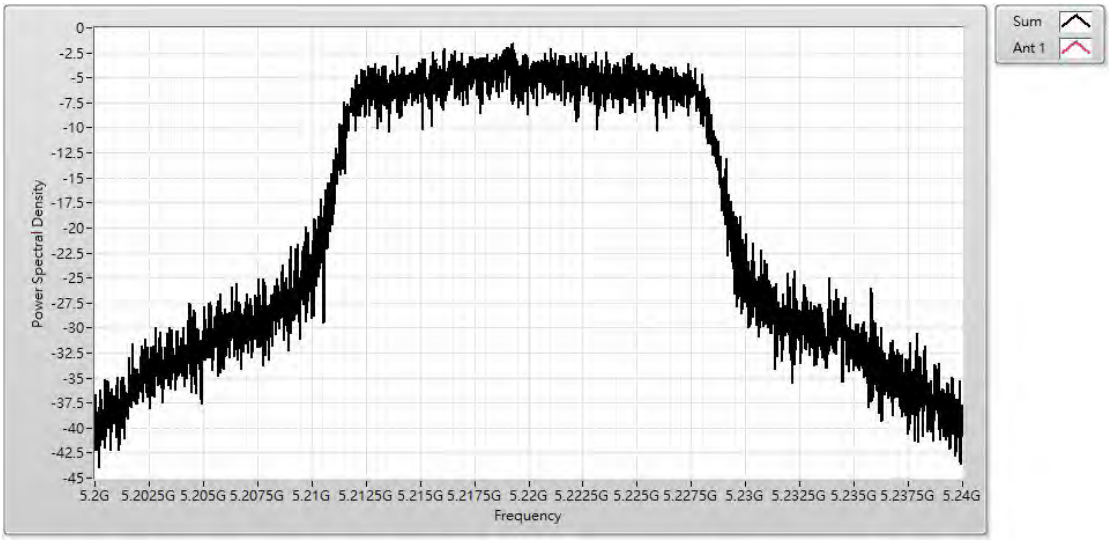
IEEE 802.11a (Ant. 0)

Channel No.	Frequency (MHz)	Measure Value (dBm)	Limit (dBm)
36	5180	-0.720	≦14.979
44	5220	-1.640	≦14.979
48	5240	-1.450	≦14.979
52	5260	-1.640	≦ 8.979
60	5300	-1.960	≦ 8.979
64	5320	-2.660	≦ 8.979
100	5500	-0.910	≦ 8.979
116	5580	-1.440	≦ 8.979
140	5700	-4.970	≦ 8.979
149	5745	-4.310	≦27.979
157	5785	-3.970	≦27.979
165	5825	-4.250	≦27.979

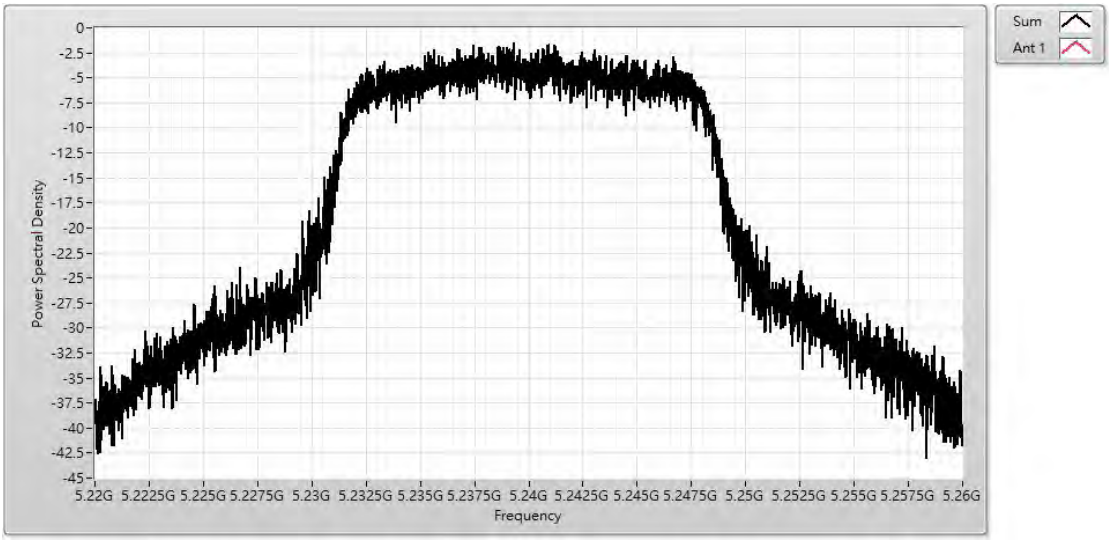
Channel 36 (5180MHz)



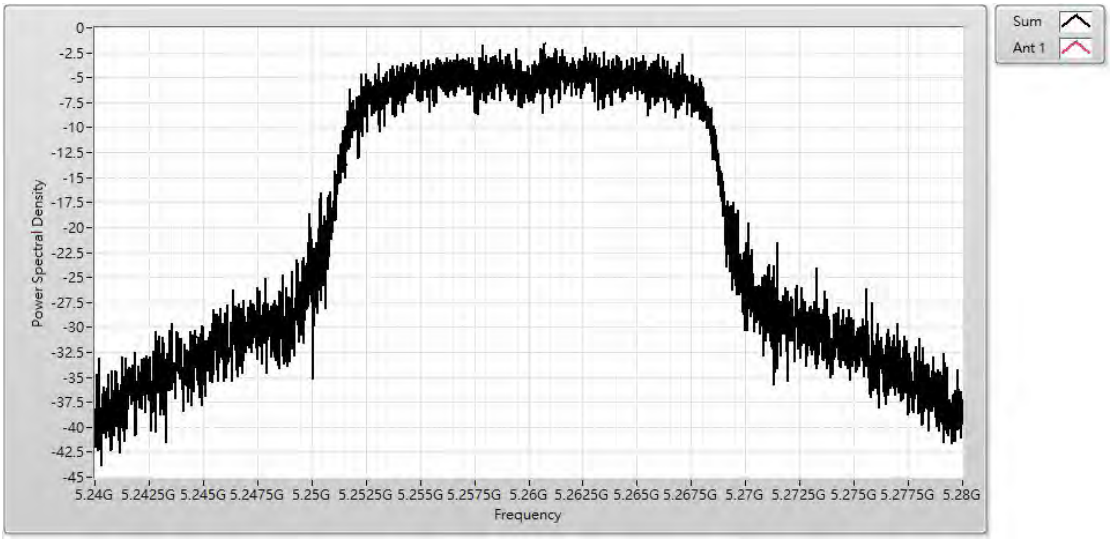
Channel 44 (5220MHz)



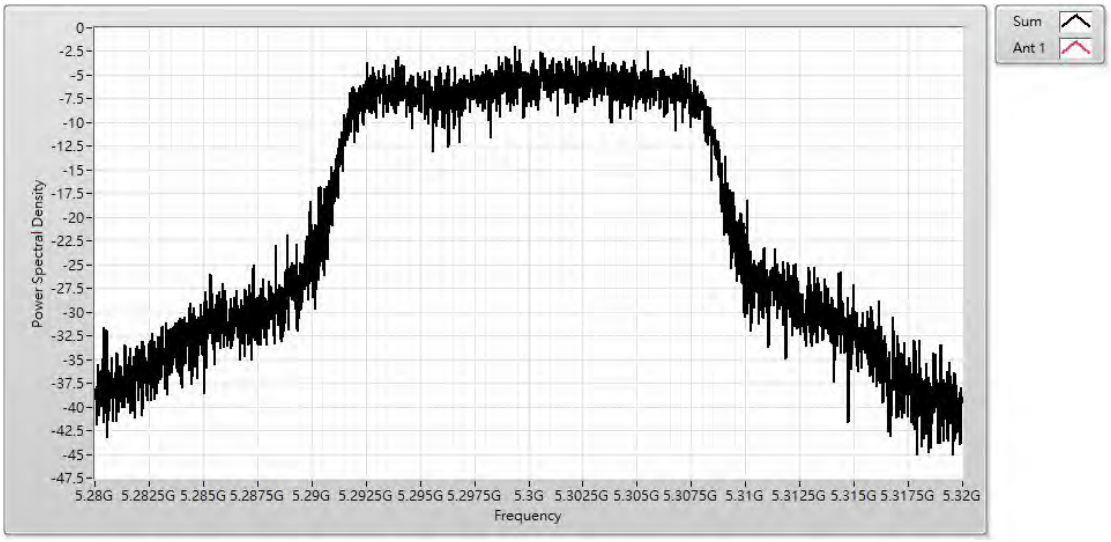
Channel 48 (5240MHz)



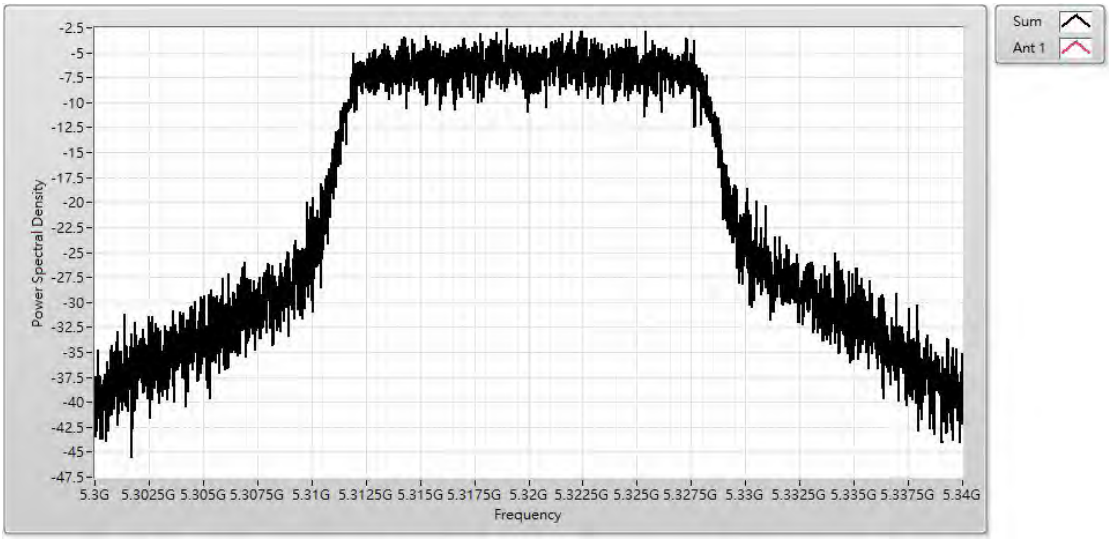
Channel 52 (5260MHz)



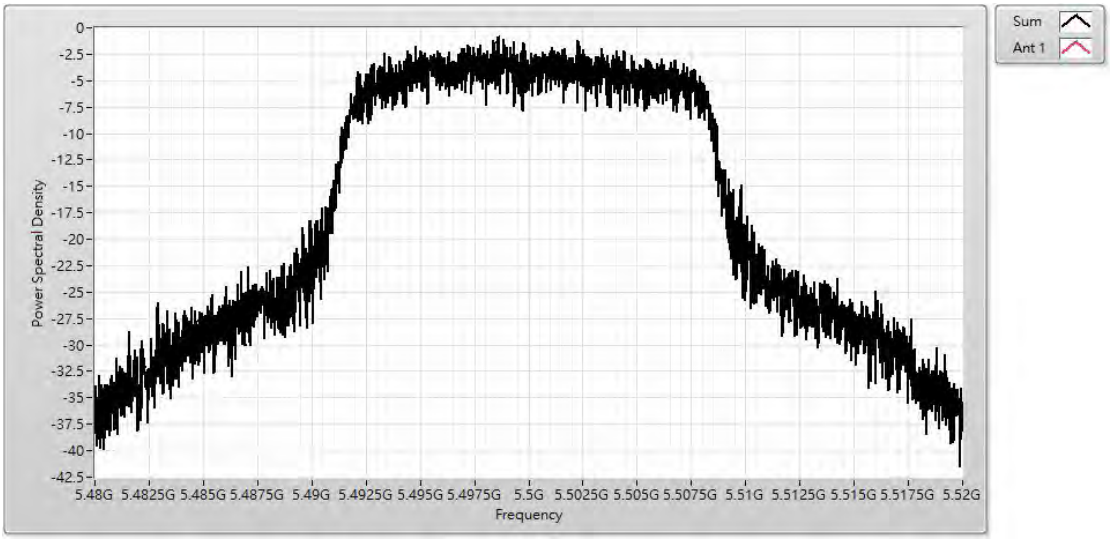
Channel 60 (5300MHz)



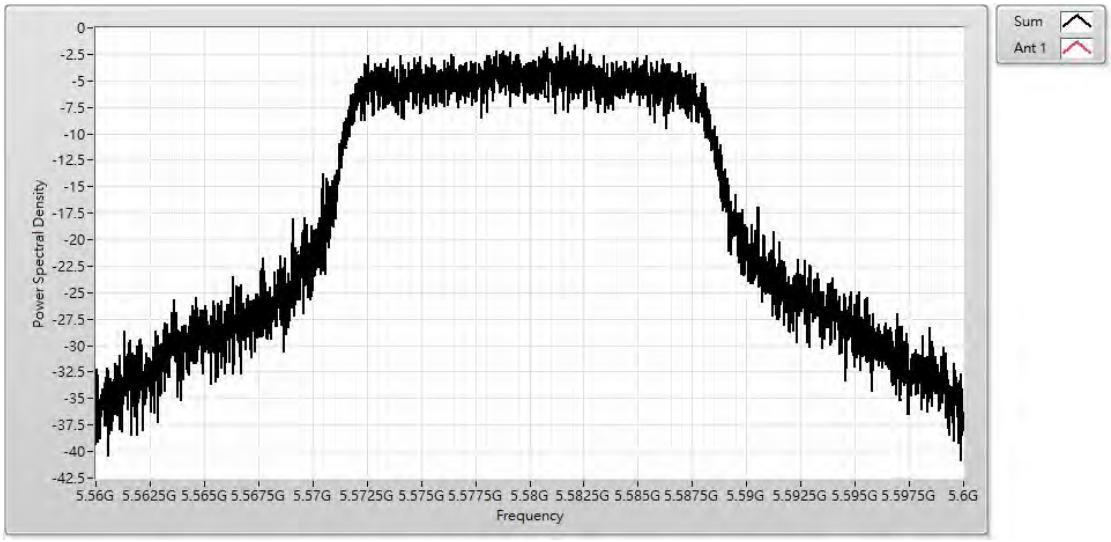
Channel 64 (5320MHz)



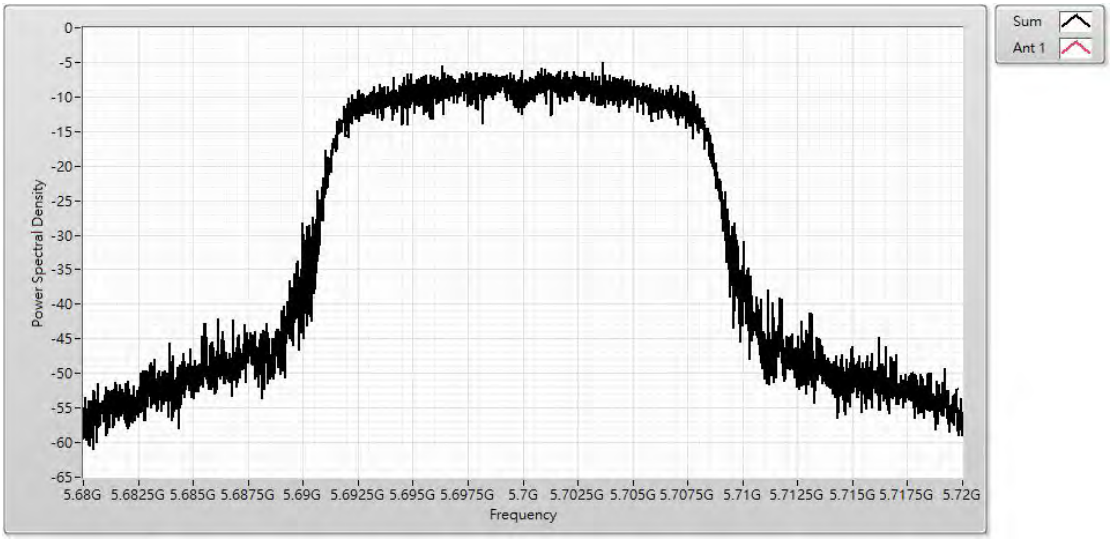
Channel 100 (5500MHz)



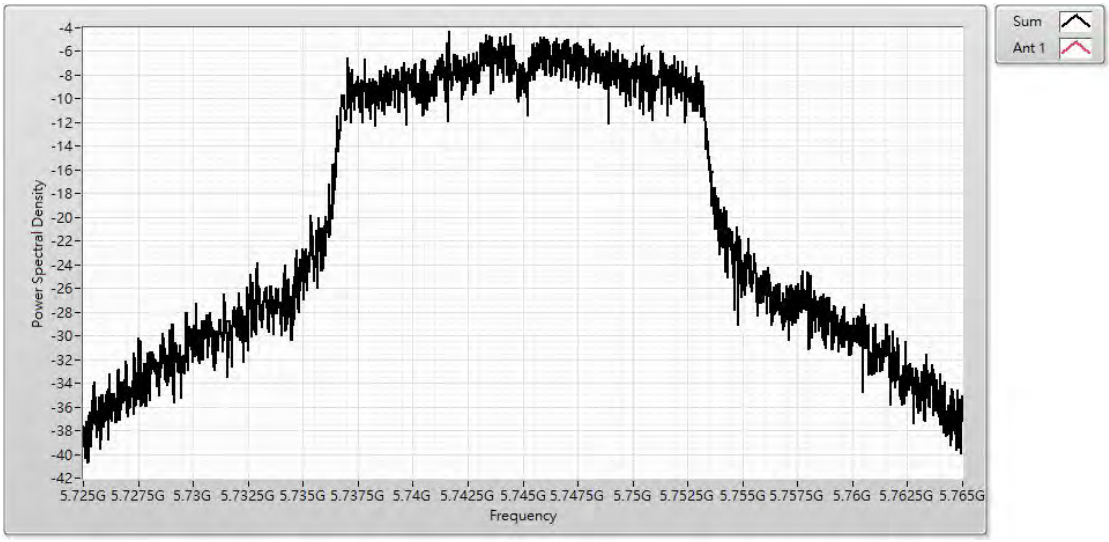
Channel 116 (5580MHz)



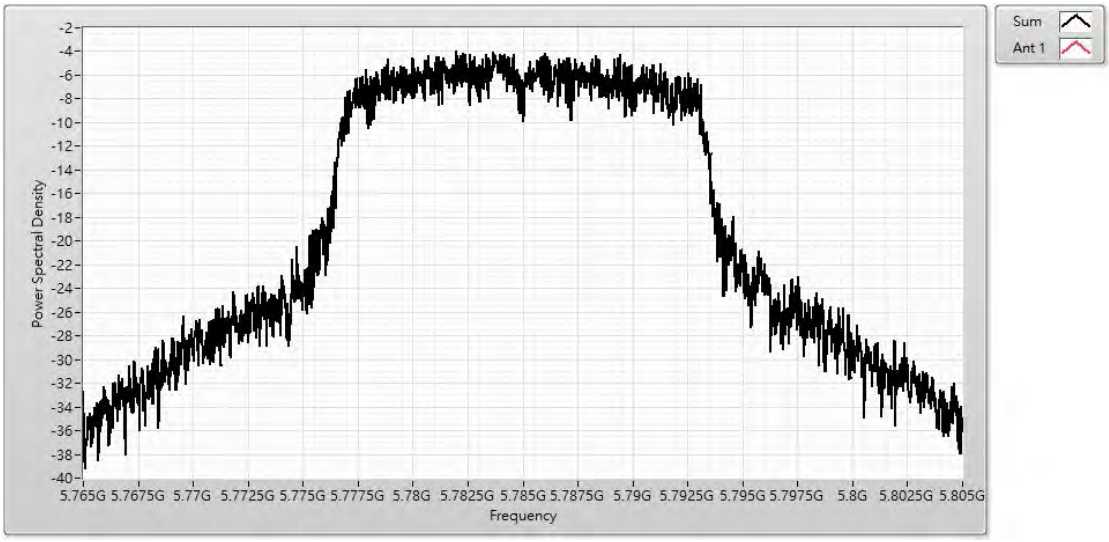
Channel 140 (5700MHz)



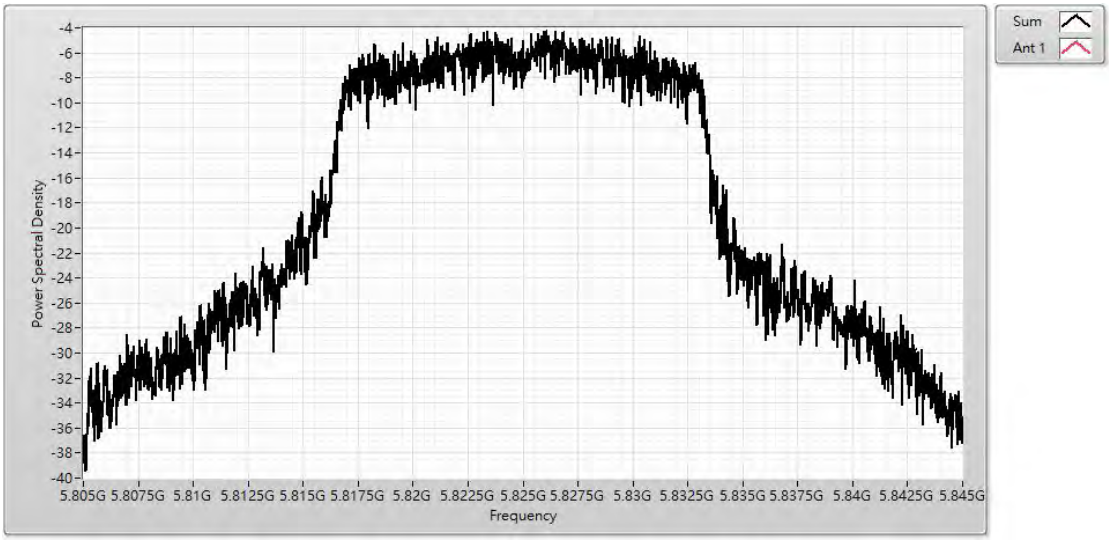
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

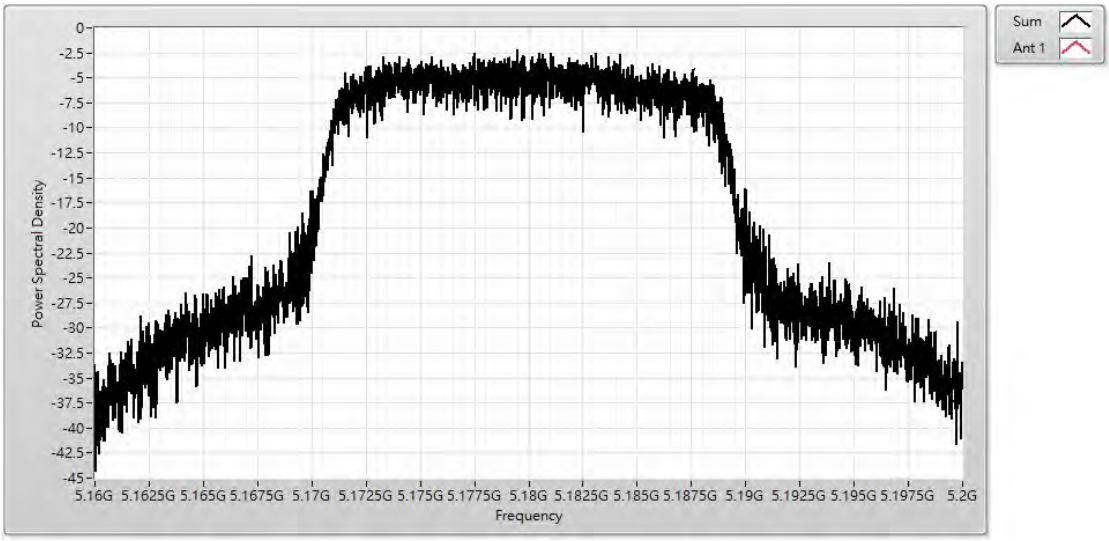


Product	Hex Sense		
Test Item	Maximum power spectral density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

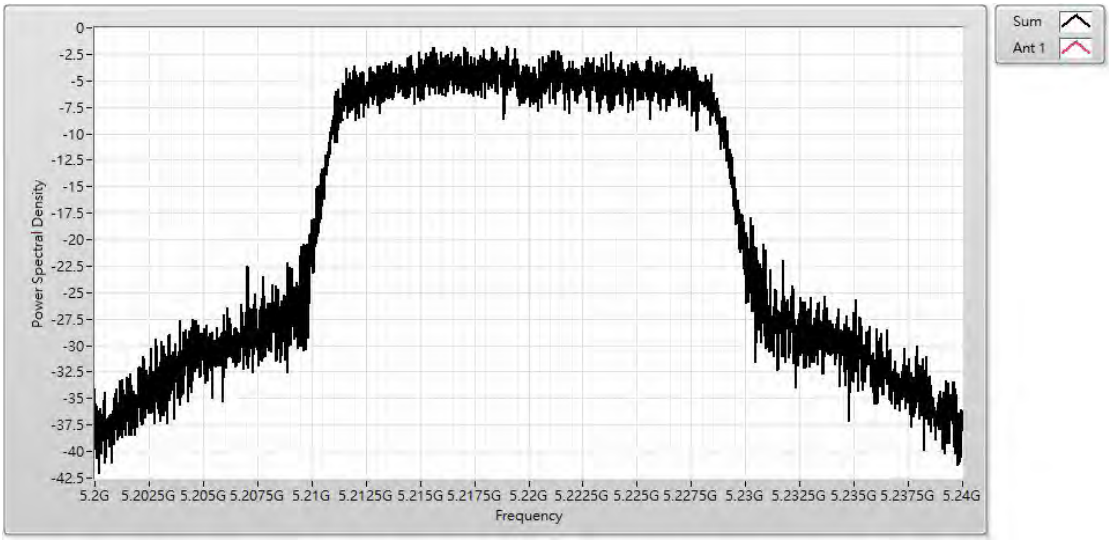
IEEE 802.11n (20MHz)(Ant. 0)

Channel No.	Frequency (MHz)	Measure Value (dBm)	Limit (dBm)
36	5180	-2.250	≦14.979
44	5220	-1.800	≦14.979
48	5240	-1.940	≦14.979
52	5260	-2.390	≦ 8.979
60	5300	-2.370	≦ 8.979
64	5320	-2.210	≦ 8.979
100	5500	-2.090	≦ 8.979
116	5580	-1.370	≦ 8.979
140	5700	-2.660	≦ 8.979
149	5745	-4.460	≦27.979
157	5785	-4.350	≦27.979
165	5825	-3.680	≦27.979

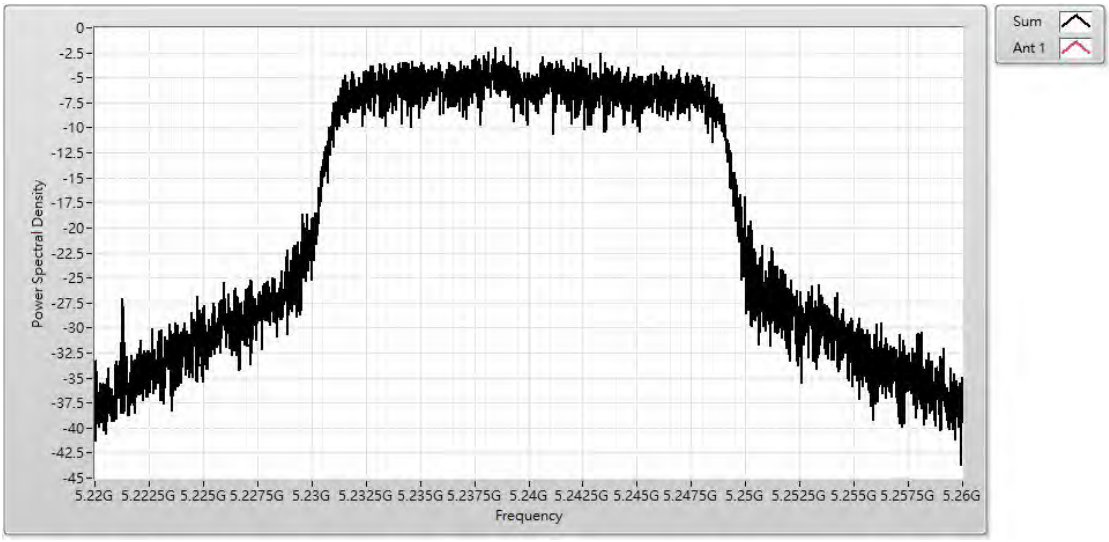
Channel 36 (5180MHz)



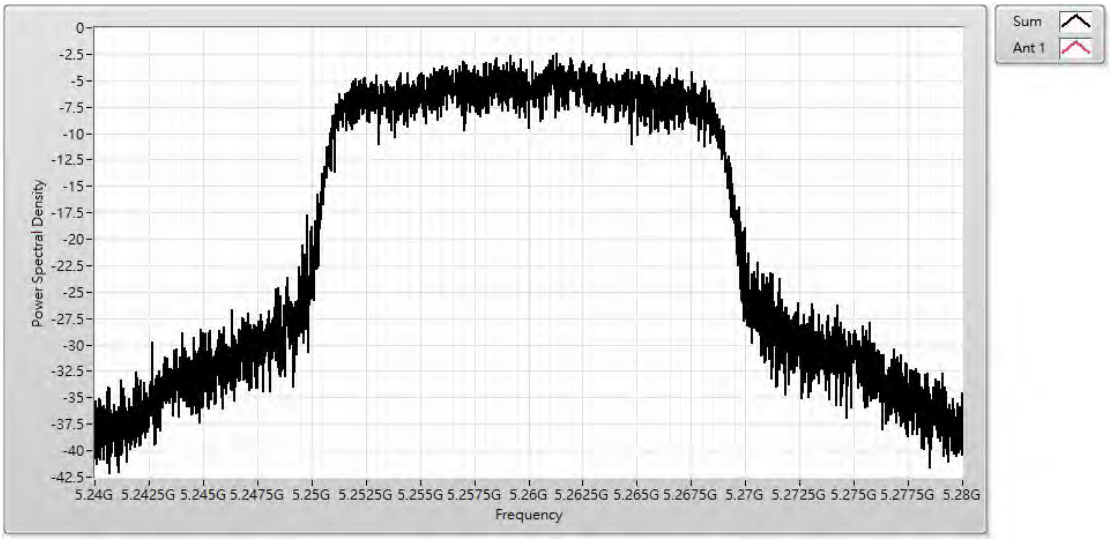
Channel 44 (5220MHz)



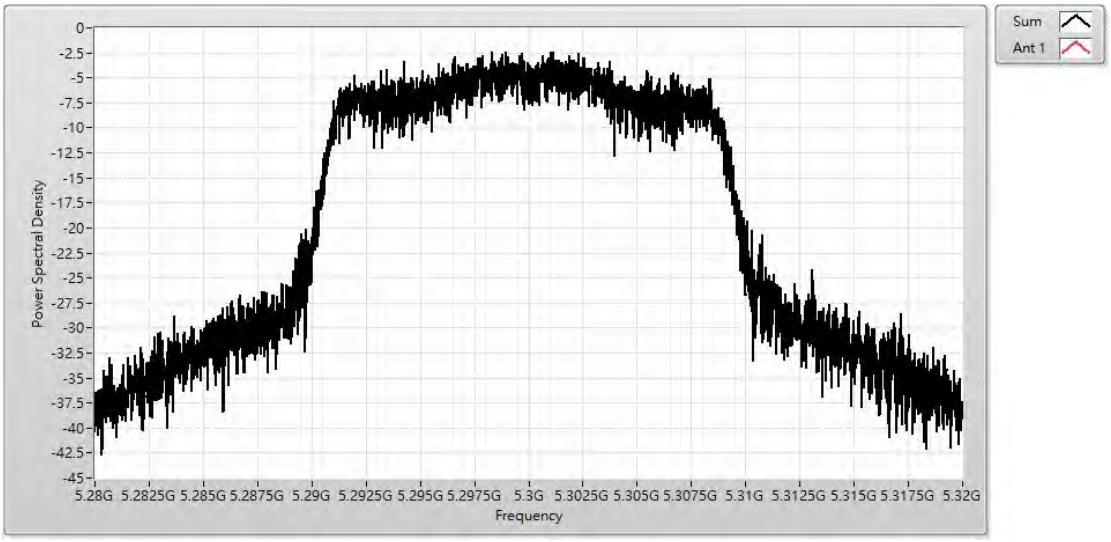
Channel 48 (5240MHz)



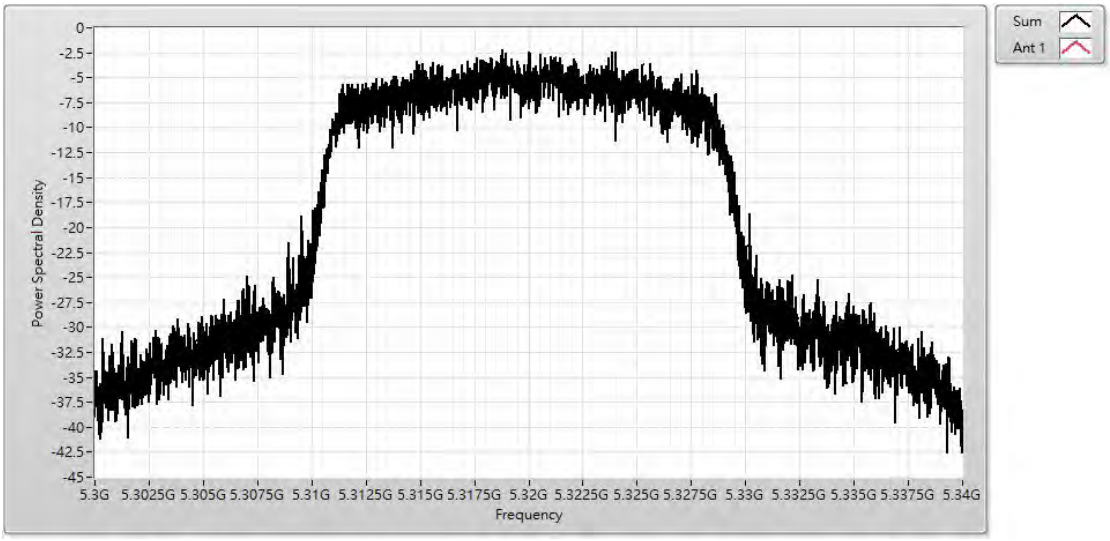
Channel 52 (5260MHz)



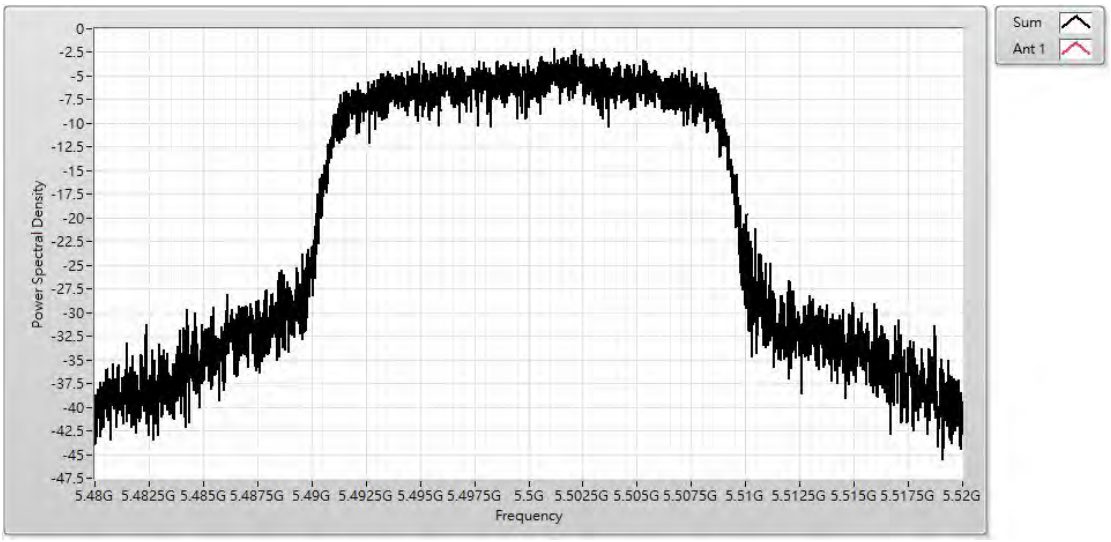
Channel 60 (5300MHz)



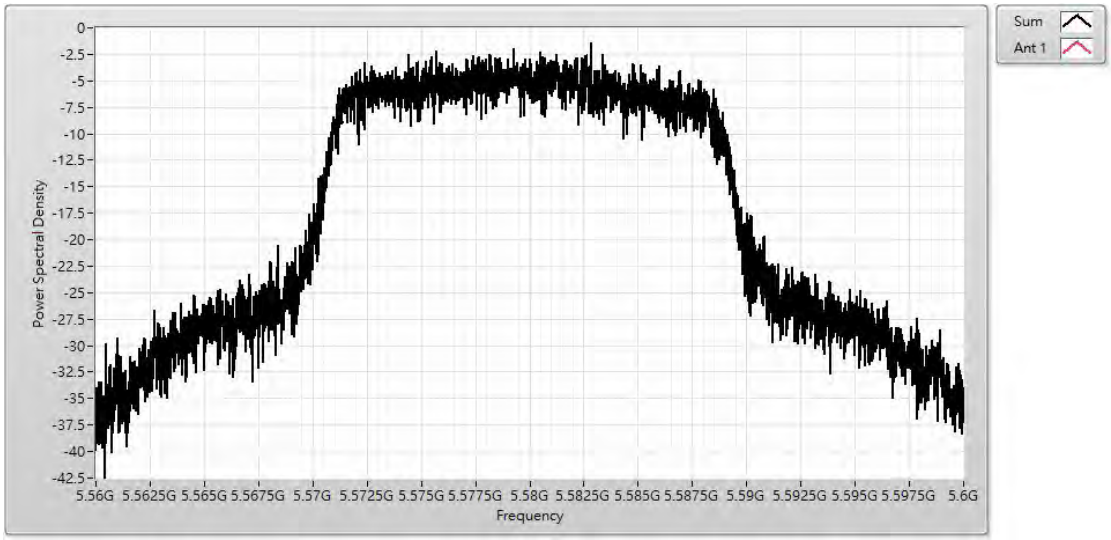
Channel 64 (5320MHz)



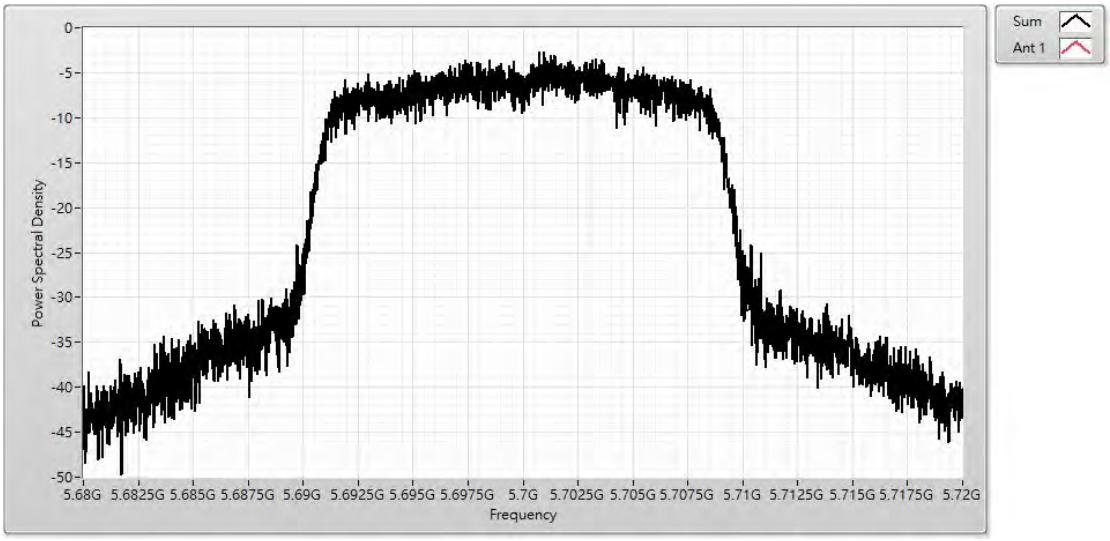
Channel 100 (5500MHz)



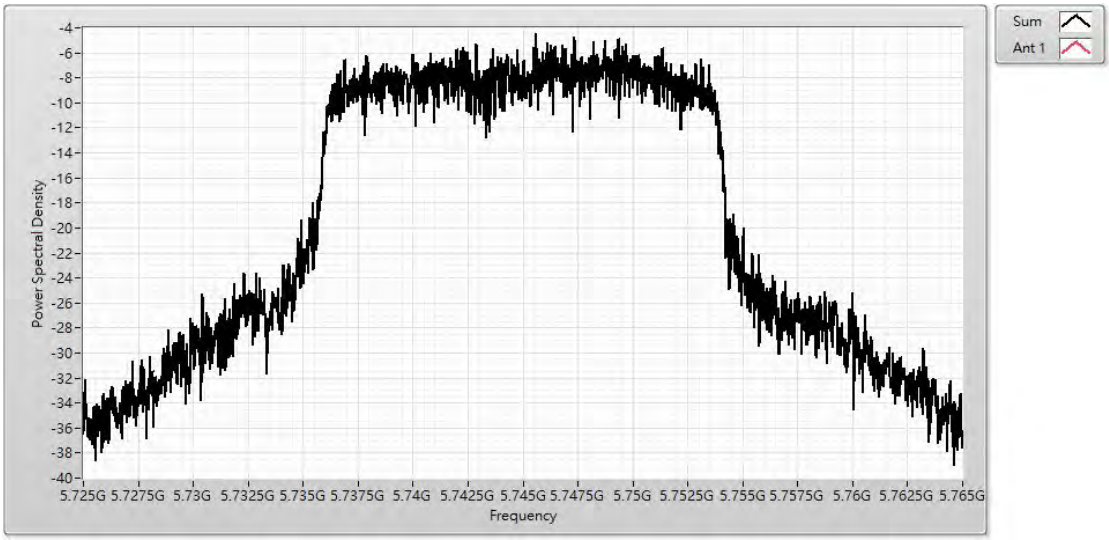
Channel 116 (5580MHz)



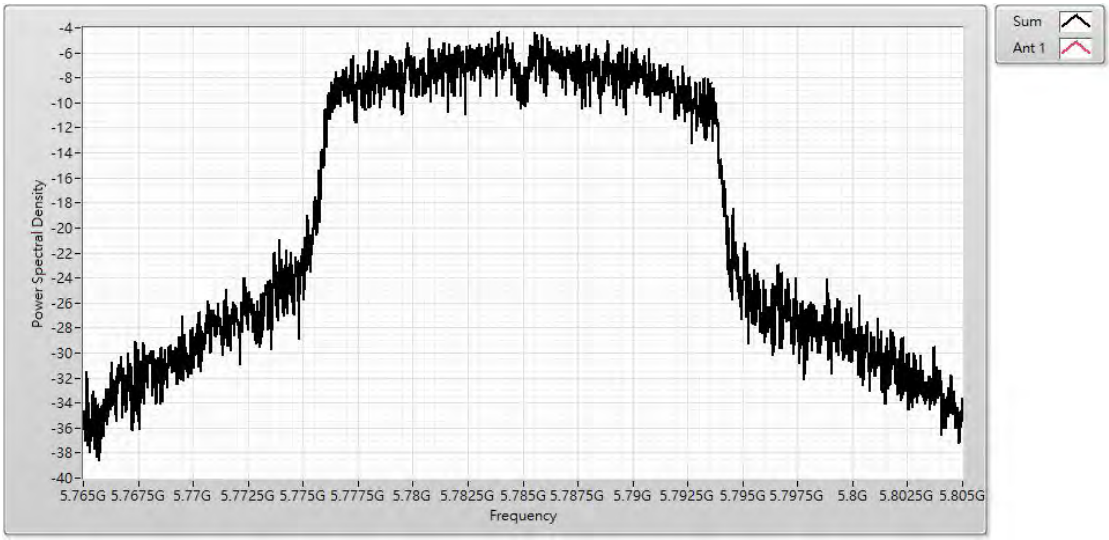
Channel 140 (5700MHz)



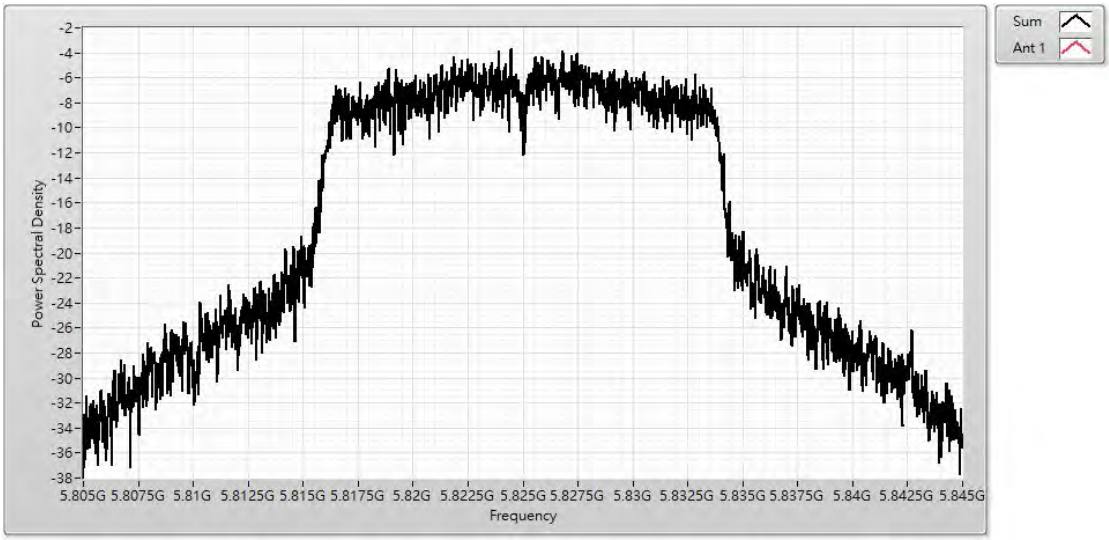
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

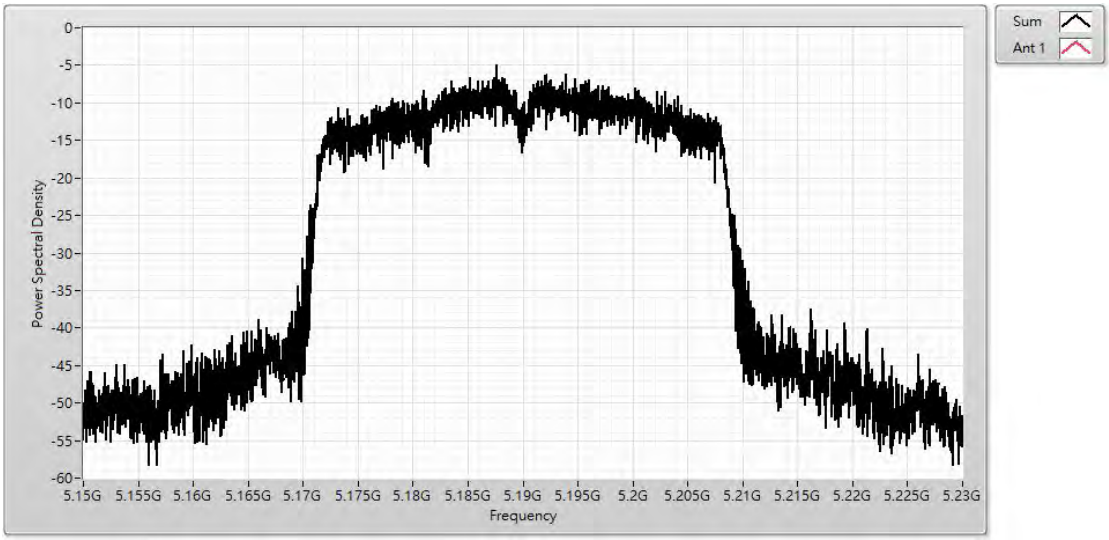


Product	Hex Sense		
Test Item	Maximum power spectral density		
Test Mode	Mode 1: Transmit Mode		
Date of Test	2020/11/02	Test Site	SR12-H
Temperature (°C)	25.0	Humidity (%RH)	55.0

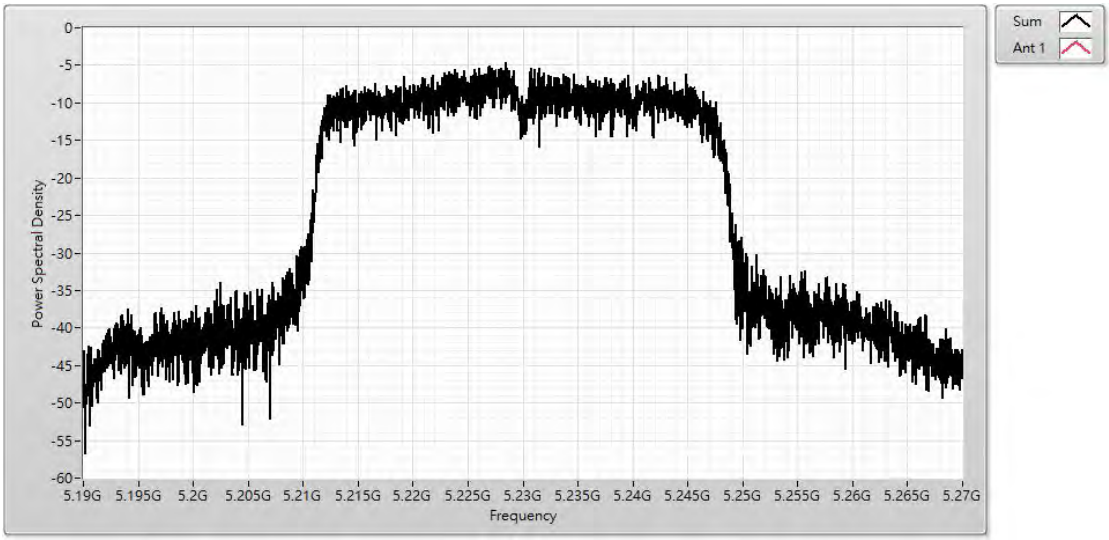
IEEE 802.11n (40MHz)(Ant. 0)

Channel No.	Frequency (MHz)	Measure Value (dBm)	Limit (dBm)
38	5190	-4.990	≦14.979
46	5230	-4.700	≦14.979
54	5270	-6.120	≦ 8.979
62	5310	-7.970	≦ 8.979
102	5510	-5.400	≦ 8.979
110	5550	-5.180	≦ 8.979
134	5670	-7.820	≦ 8.979
151	5755	-8.700	≦27.979
159	5795	-9.020	≦27.979

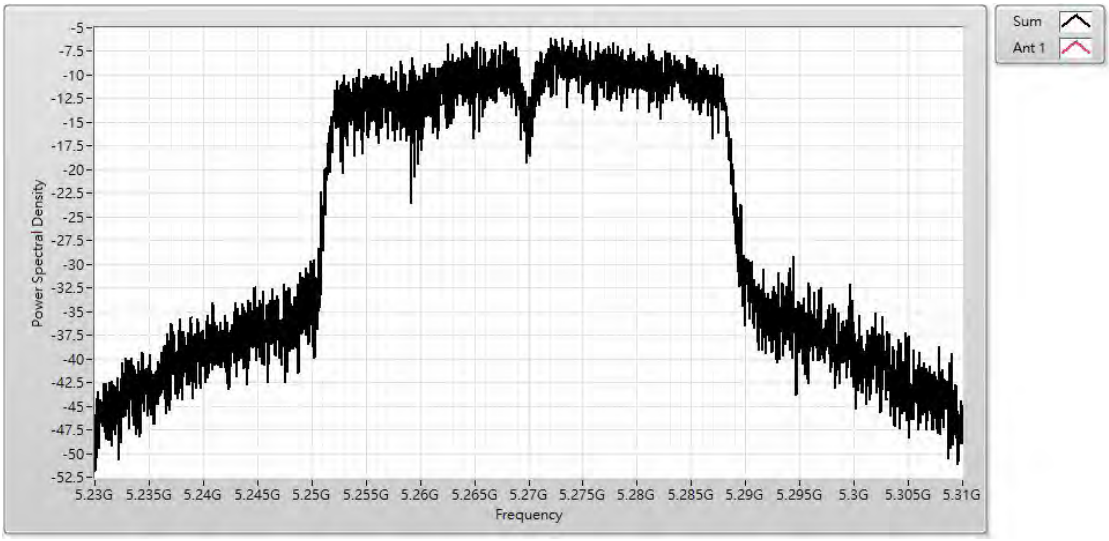
Channel 38 (5190MHz)



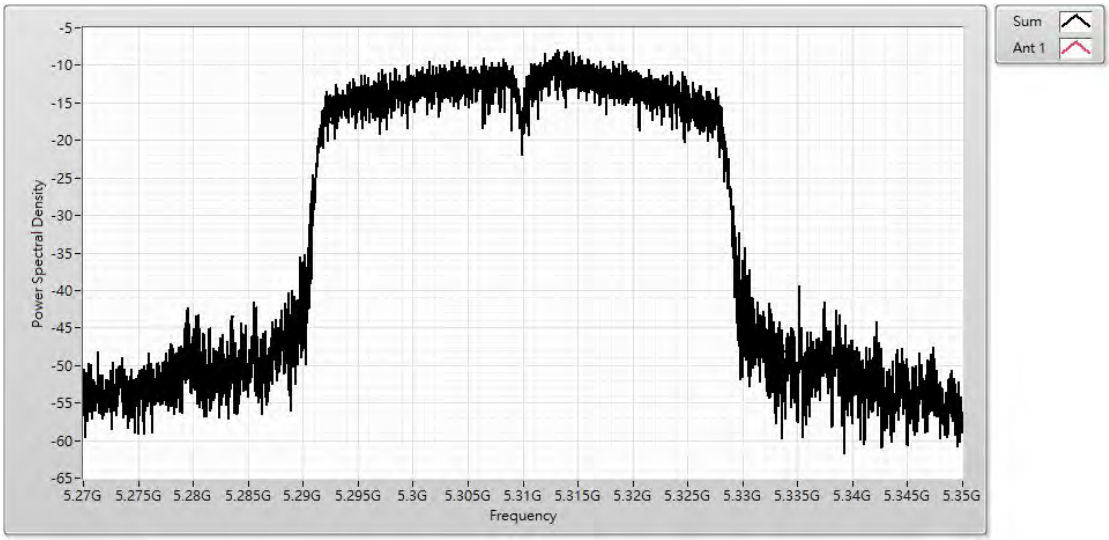
Channel 46 (5230MHz)



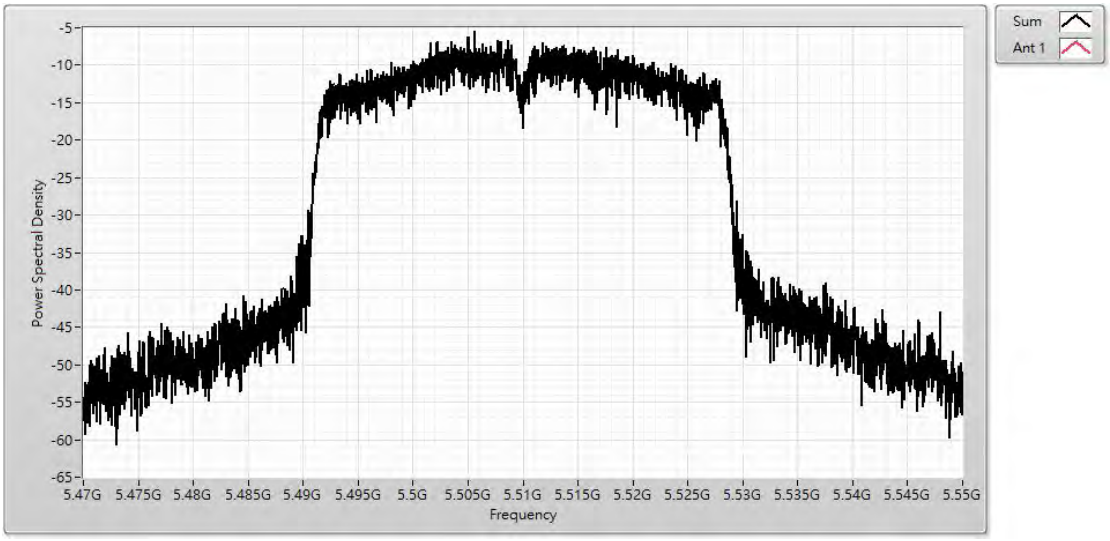
Channel 54 (5270MHz)



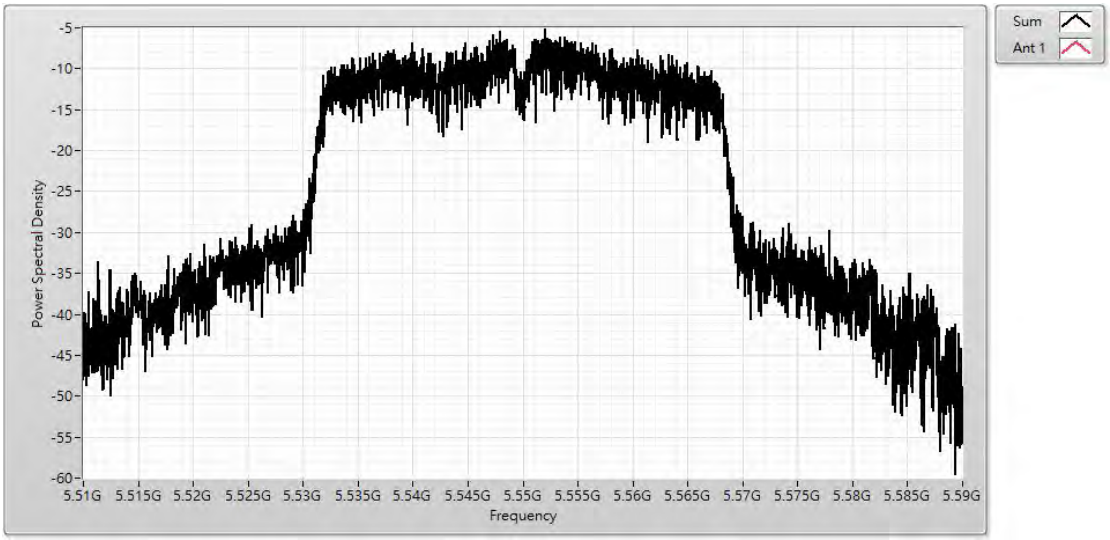
Channel 62 (5310MHz)



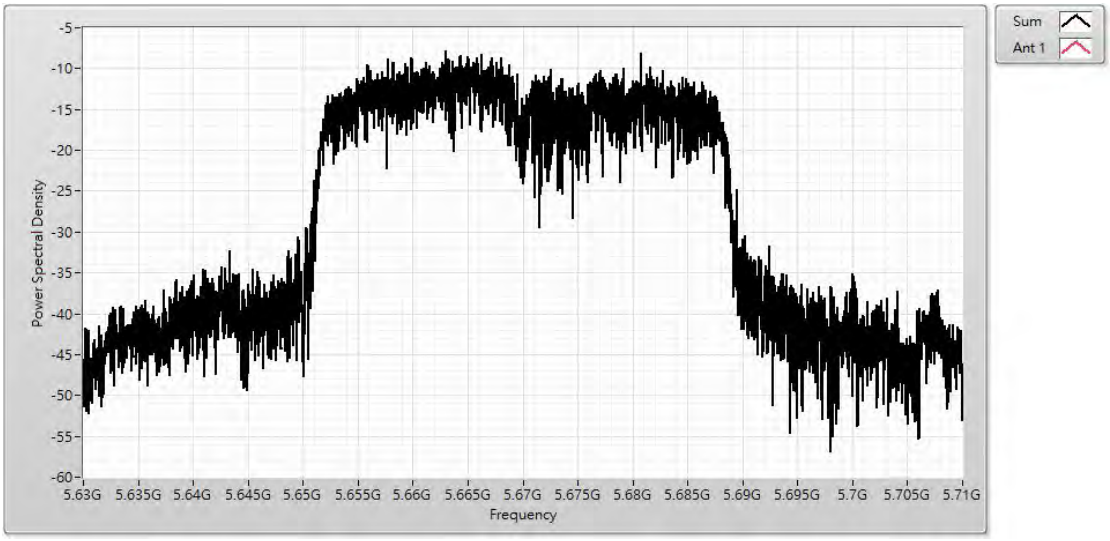
Channel 102 (5510MHz)



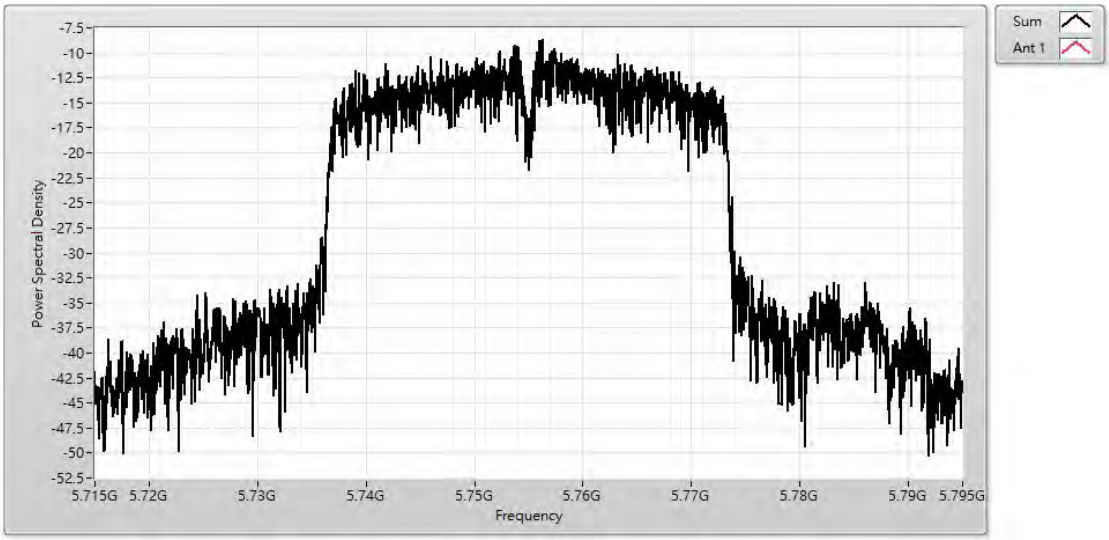
Channel 110 (5550MHz)



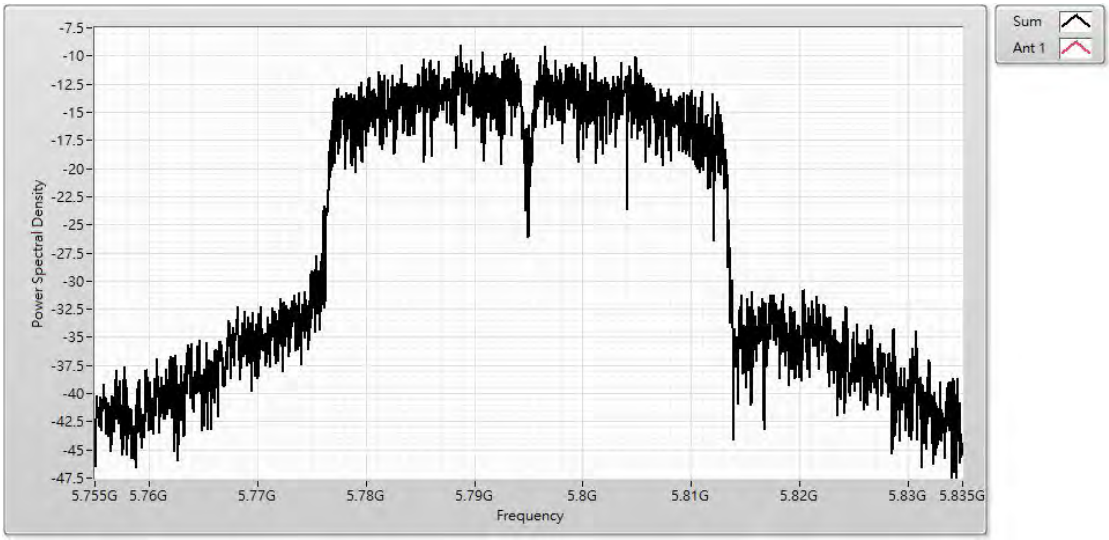
Channel 134 (5670MHz)



Channel 151 (5755MHz)



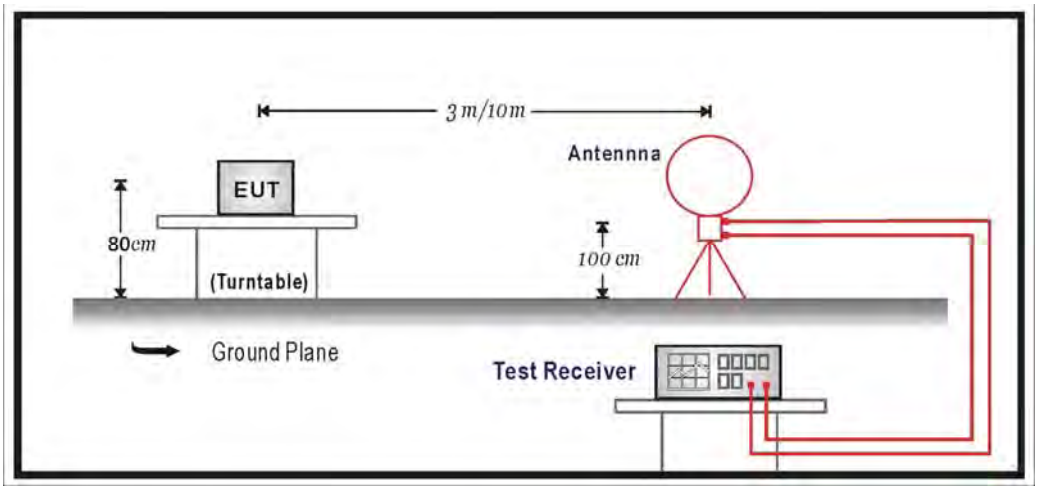
Channel 159 (5795MHz)



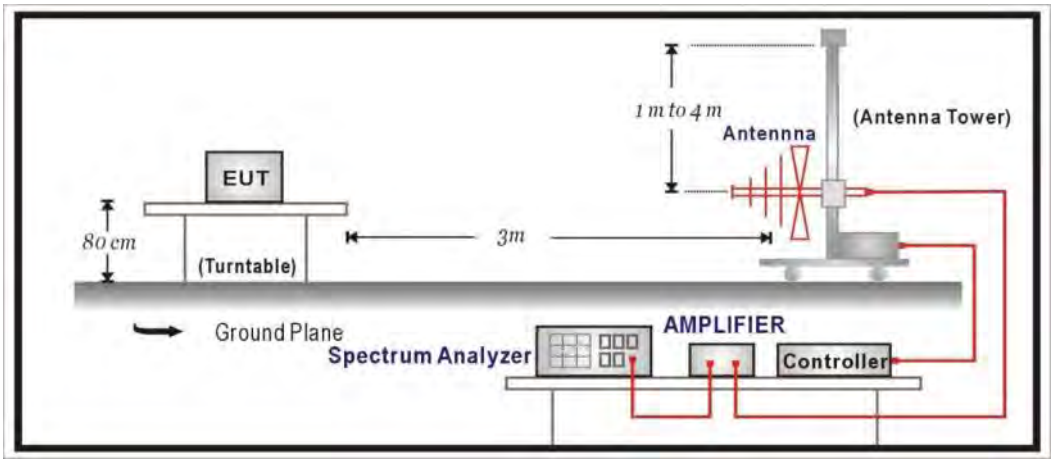
6. Radiated Emission

6.1. Test Setup

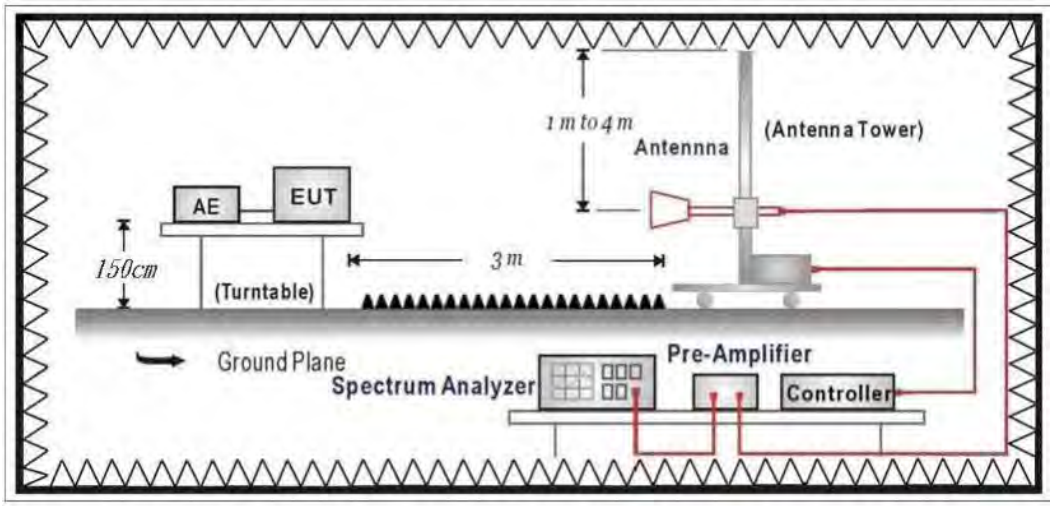
Under 30MHz Test Setup:



Under 1GHz Test Setup:



Above 1GHz Test Setup:



6.2. Limits

➢ General Radiated Emission Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

➢ Unwanted Emission out of the restricted bands Limits

FCC Part 15 Subpart C Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
5725 - 5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:
1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.
3. uV/m = $\frac{1000000\sqrt{30\times EIRP}}{3}$, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

6.3. Test Procedure

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.

The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field dtrength of harmonics measurement.

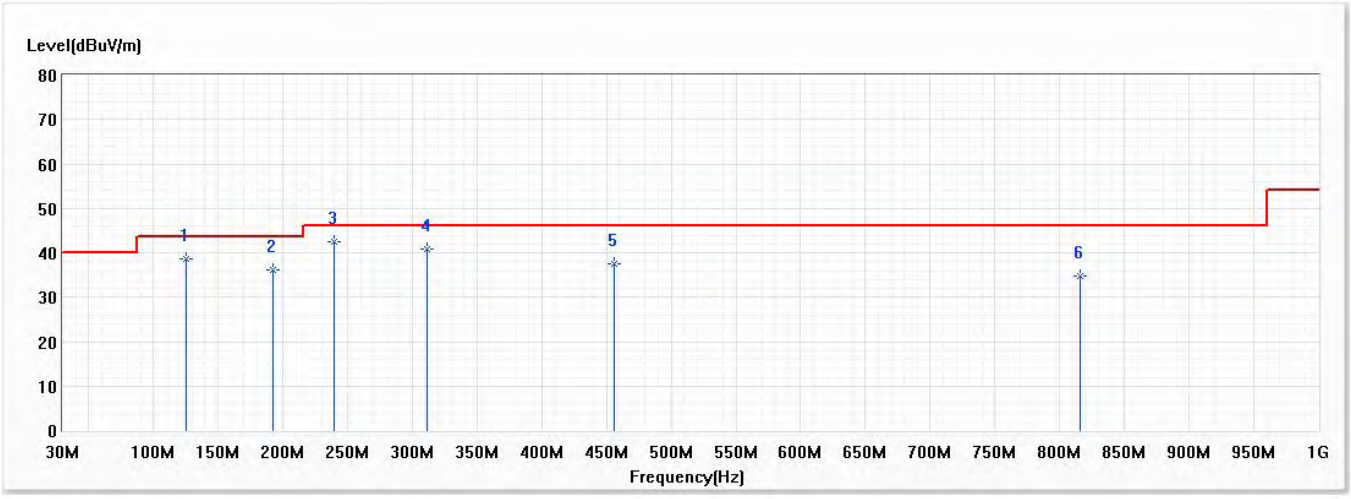
The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

The frequency range from 30MHz to 10th harminics is checked.

6.4. Test Result

30MHz-1GHz Spurious

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/3
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 38,5.19G,BW40M	Humidity (%RH)	58.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	125.060	38.70	43.50	-4.80	41.20	-2.50	QP
2	191.990	36.10	43.50	-7.40	41.20	-5.10	QP
* 3	240.005	42.57	46.00	-3.43	45.17	-2.60	QP
4	311.785	40.91	46.00	-5.09	41.75	-0.84	QP
5	455.830	37.59	46.00	-8.41	34.55	3.04	QP
6	816.185	34.69	46.00	-11.31	27.13	7.56	QP

Note:

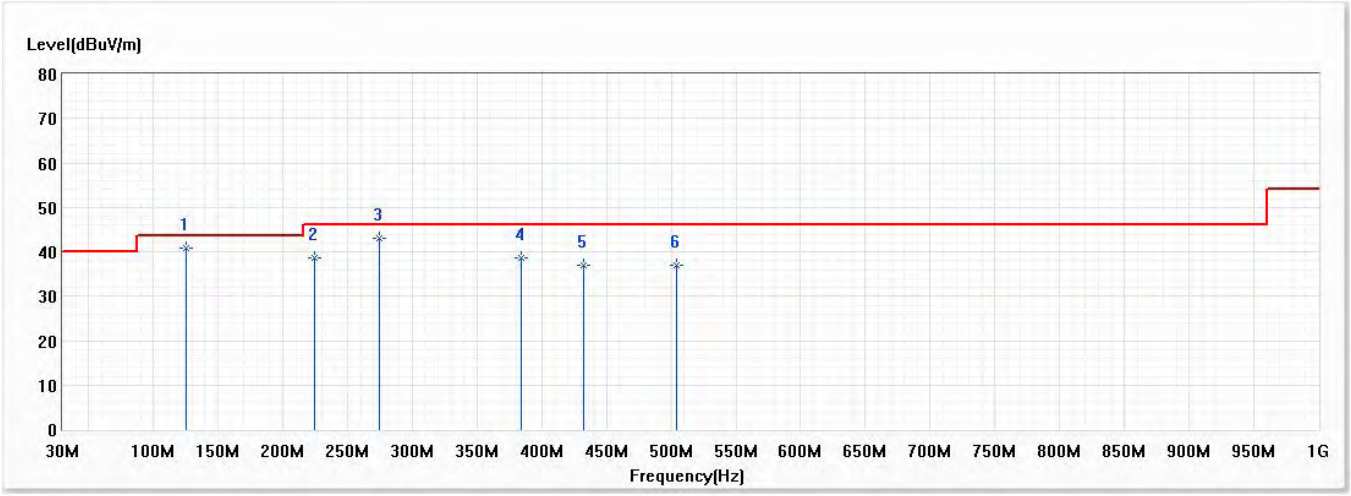
1. All reading levels is Quasi-Peak value.

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

3. Emission Level = Reading Level + Correct Factor

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

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/3
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 38,5.19G,BW40M	Humidity (%RH)	58.0

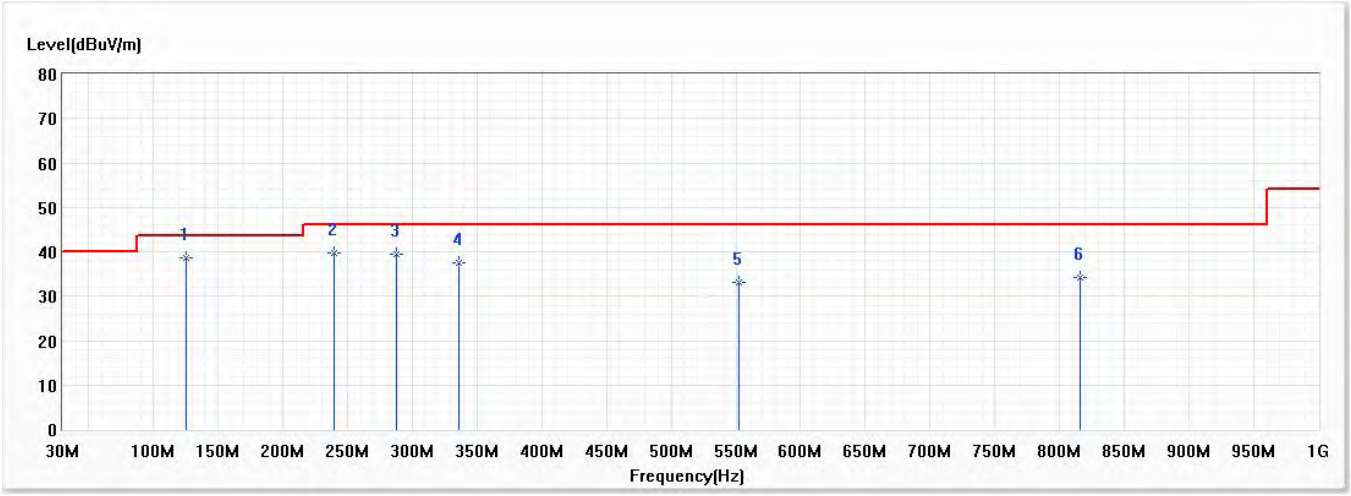


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	125.060	40.96	43.50	-2.54	43.46	-2.50	QP
2	224.970	38.69	46.00	-7.31	42.13	-3.44	QP
3	274.925	42.91	46.00	-3.09	44.54	-1.63	QP
4	384.050	38.74	46.00	-7.26	37.23	1.51	QP
5	432.065	36.97	46.00	-9.03	34.36	2.61	QP
6	503.845	37.00	46.00	-9.00	33.18	3.82	QP

Note:

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

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/3
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 62,5.31G,BW40M	Humidity (%RH)	58.0

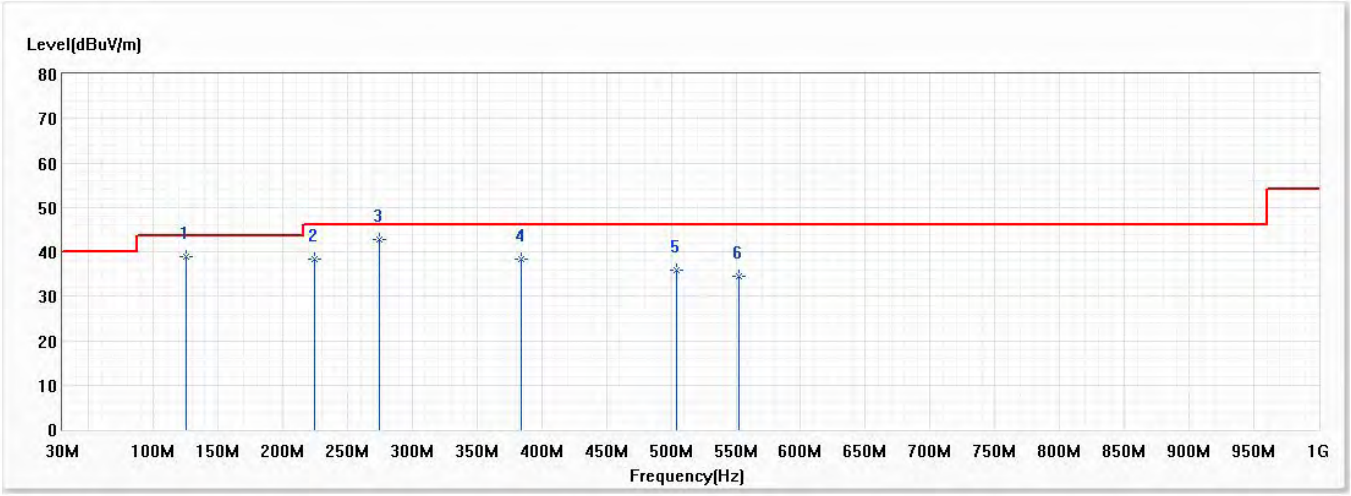


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	125.060	38.69	43.50	-4.81	41.19	-2.50	QP
2	240.005	39.84	46.00	-6.16	42.44	-2.60	QP
3	288.020	39.39	46.00	-6.61	40.81	-1.42	QP
4	336.035	37.45	46.00	-8.55	37.49	-0.04	QP
5	551.860	33.00	46.00	-13.00	28.55	4.45	QP
6	816.185	34.07	46.00	-11.93	26.51	7.56	QP

Note:

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

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/3
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 62,5.31G,BW40M	Humidity (%RH)	58.0

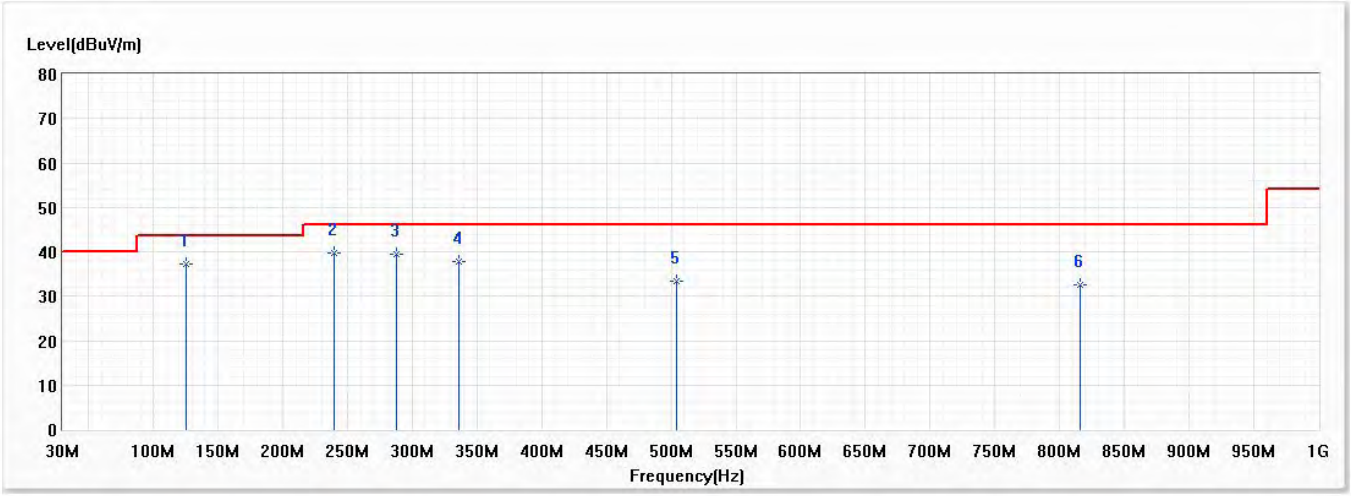


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	125.060	38.98	43.50	-4.52	41.48	-2.50	QP
2	224.970	38.46	46.00	-7.54	41.90	-3.44	QP
* 3	274.925	42.73	46.00	-3.27	44.36	-1.63	QP
4	384.050	38.46	46.00	-7.54	36.95	1.51	QP
5	503.845	35.94	46.00	-10.06	32.12	3.82	QP
6	552.345	34.62	46.00	-11.38	30.17	4.45	QP

Note:

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

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/3
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 102,5.51G,BW40M	Humidity (%RH)	58.0

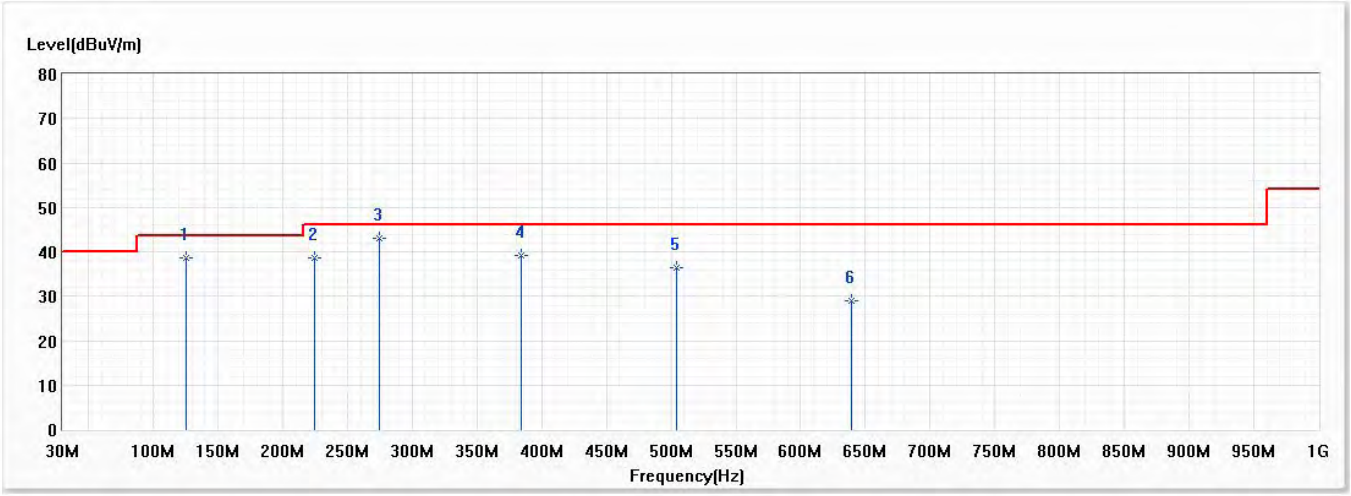


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	125.060	37.19	43.50	-6.31	39.69	-2.50	QP
* 2	240.005	39.84	46.00	-6.16	42.44	-2.60	QP
3	288.020	39.40	46.00	-6.60	40.82	-1.42	QP
4	336.035	37.88	46.00	-8.12	37.92	-0.04	QP
5	503.845	33.29	46.00	-12.71	29.47	3.82	QP
6	816.185	32.63	46.00	-13.37	25.07	7.56	QP

Note:

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

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/3
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 102,5.51G,BW40M	Humidity (%RH)	58.0

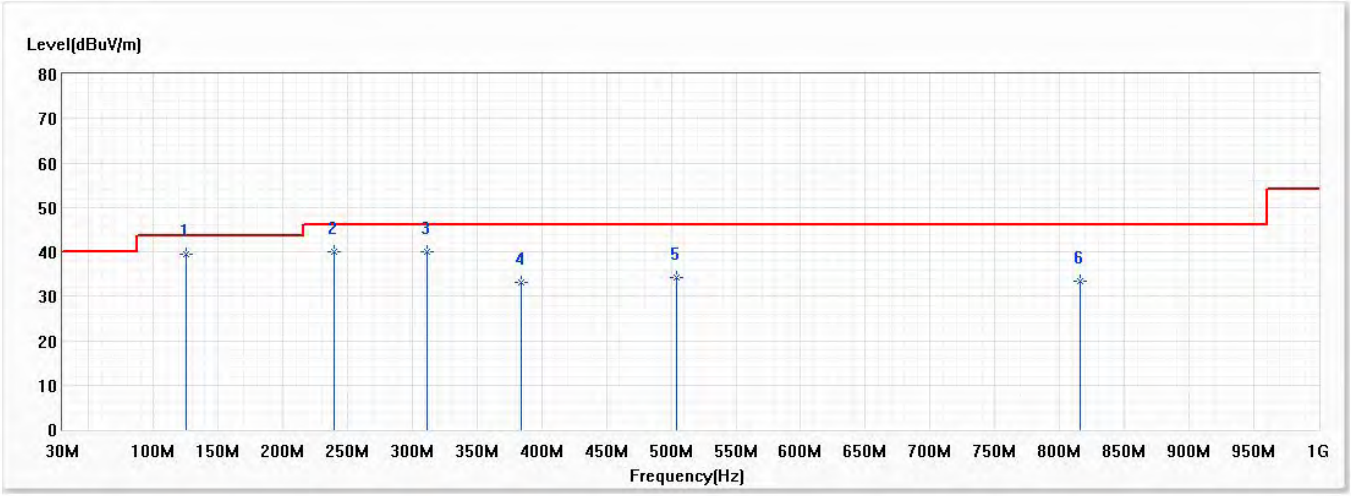


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	125.060	38.74	43.50	-4.76	41.24	-2.50	QP
2	224.970	38.50	46.00	-7.50	41.94	-3.44	QP
* 3	274.925	42.90	46.00	-3.10	44.53	-1.63	QP
4	384.050	39.31	46.00	-6.69	37.80	1.51	QP
5	503.845	36.55	46.00	-9.45	32.73	3.82	QP
6	639.160	28.89	46.00	-17.11	23.40	5.49	QP

Note:

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

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/3
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 165,5.825G,BW20M	Humidity (%RH)	58.0

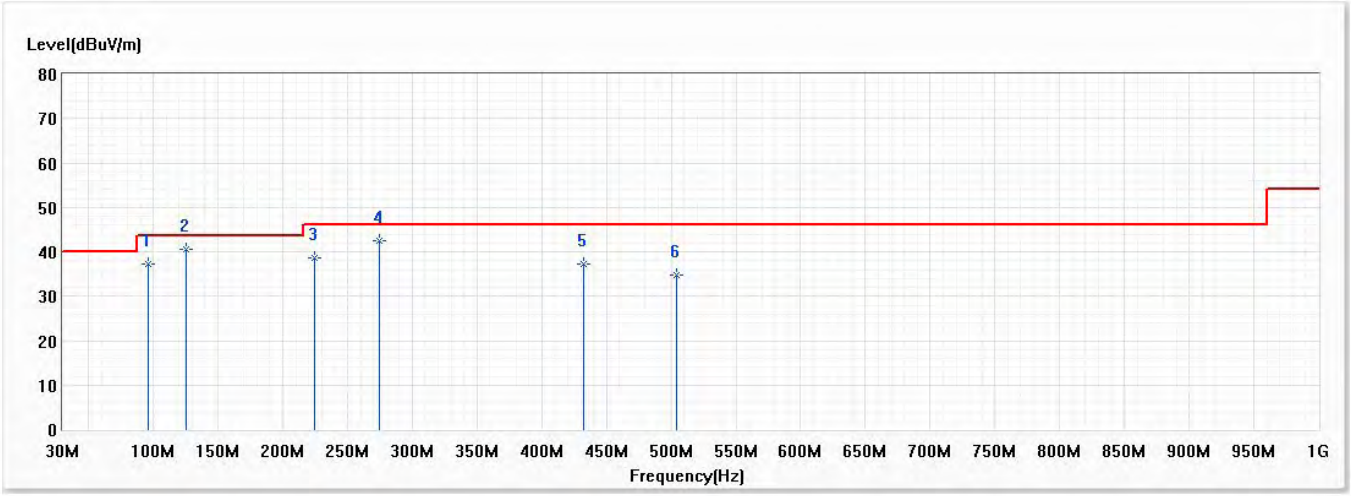


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	125.060	39.38	43.50	-4.12	41.88	-2.50	QP
2	240.005	39.98	46.00	-6.02	42.58	-2.60	QP
3	311.785	39.96	46.00	-6.04	40.80	-0.84	QP
4	384.050	33.01	46.00	-12.99	31.50	1.51	QP
5	503.845	34.09	46.00	-11.91	30.27	3.82	QP
6	816.185	33.34	46.00	-12.66	25.78	7.56	QP

Note:

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

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/3
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 165,5.825G,BW20M	Humidity (%RH)	58.0



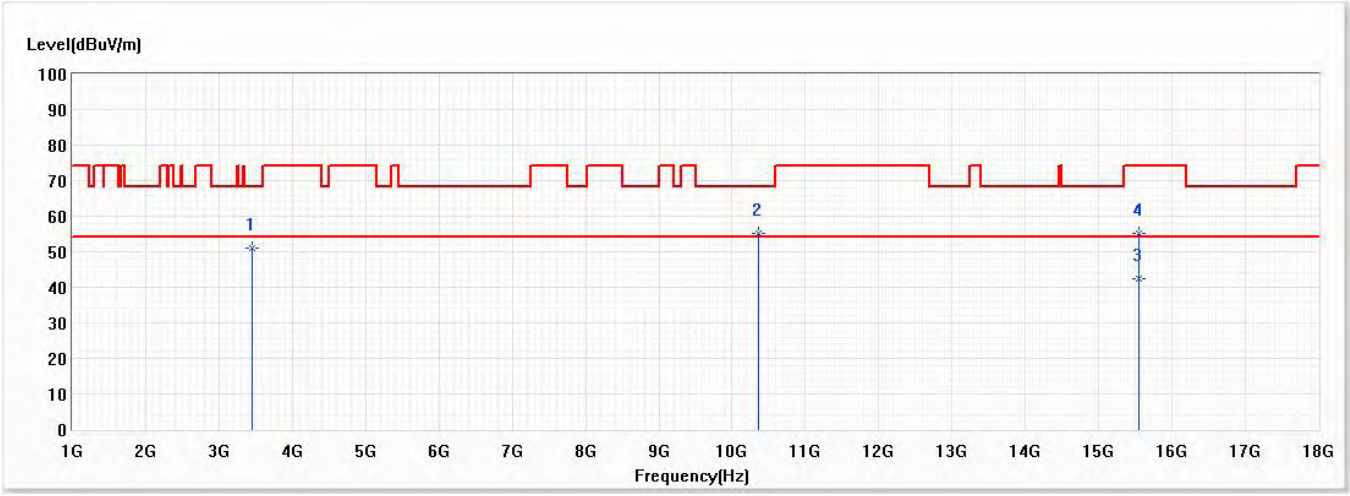
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	95.960	37.25	43.50	-6.25	42.47	-5.22	QP
* 2	125.060	40.63	43.50	-2.87	43.13	-2.50	QP
3	224.970	38.49	46.00	-7.51	41.93	-3.44	QP
4	274.925	42.51	46.00	-3.49	44.14	-1.63	QP
5	432.065	37.18	46.00	-8.82	34.57	2.61	QP
6	503.845	34.85	46.00	-11.15	31.03	3.82	QP

Note:

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

Harmonic & Spurious:

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 36,5.18G,BW20M	Humidity (%RH)	57.0

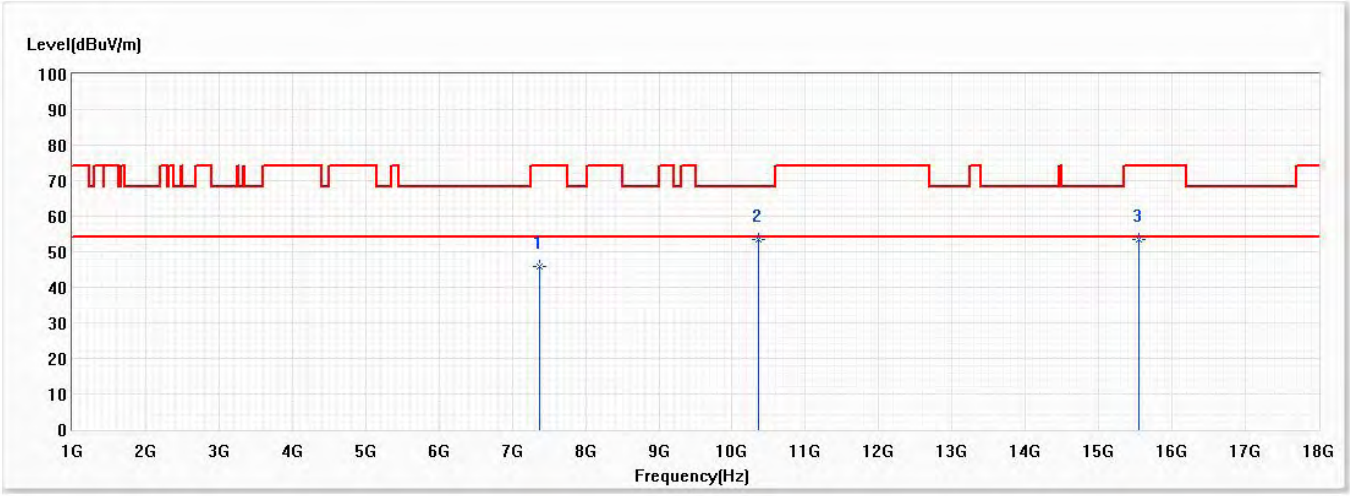


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3453.500	50.88	68.20	-17.32	56.68	-5.80	PK
2	10360.000	55.25	68.20	-12.95	42.36	12.89	PK
* 3	15540.000	42.33	54.00	-11.67	29.40	12.93	AV
4	15540.000	55.34	74.00	-18.66	42.41	12.93	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 36,5.18G,BW20M	Humidity (%RH)	57.0

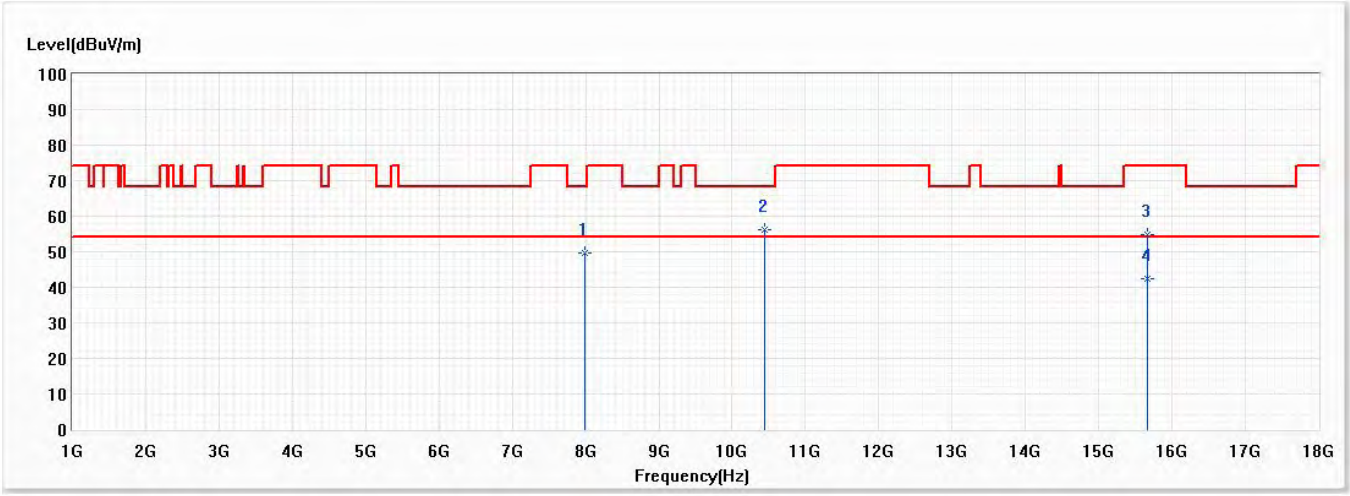


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	7367.600	45.88	74.00	-28.12	39.28	6.60	PK
* 2	10360.000	53.55	68.20	-14.65	40.66	12.89	PK
3	15540.000	53.29	74.00	-20.71	40.36	12.93	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 44,5.22G,BW20M	Humidity (%RH)	57.0

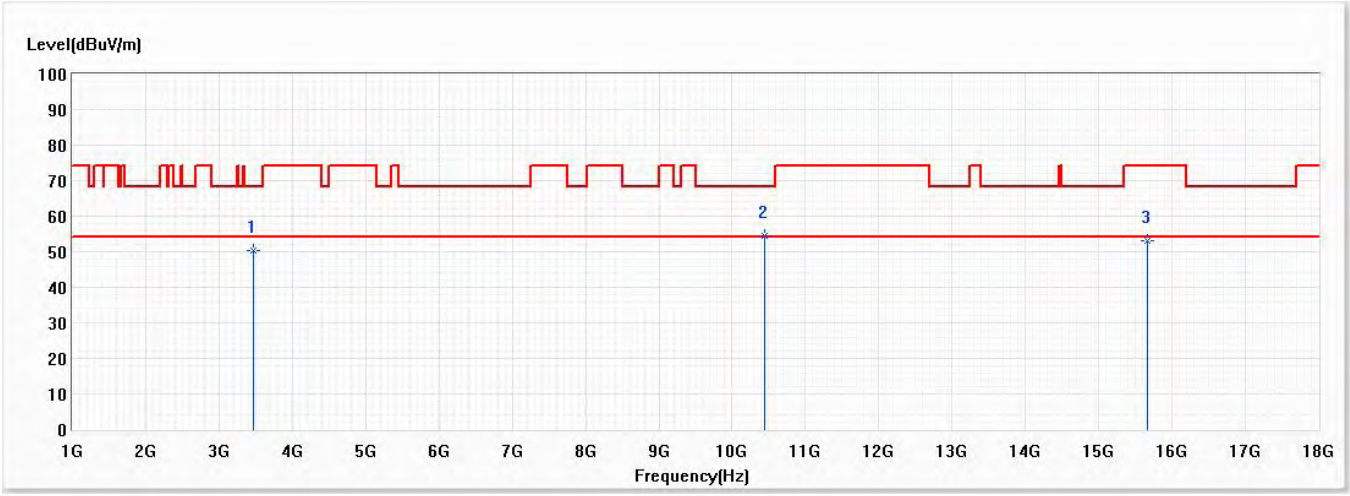


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	7996.000	49.60	68.20	-18.60	41.32	8.28	PK
2	10440.000	56.12	68.20	-12.08	42.97	13.15	PK
3	15660.000	54.66	74.00	-19.34	42.12	12.54	PK
* 4	15660.000	42.33	54.00	-11.67	29.79	12.54	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 44,5.22G,BW20M	Humidity (%RH)	57.0

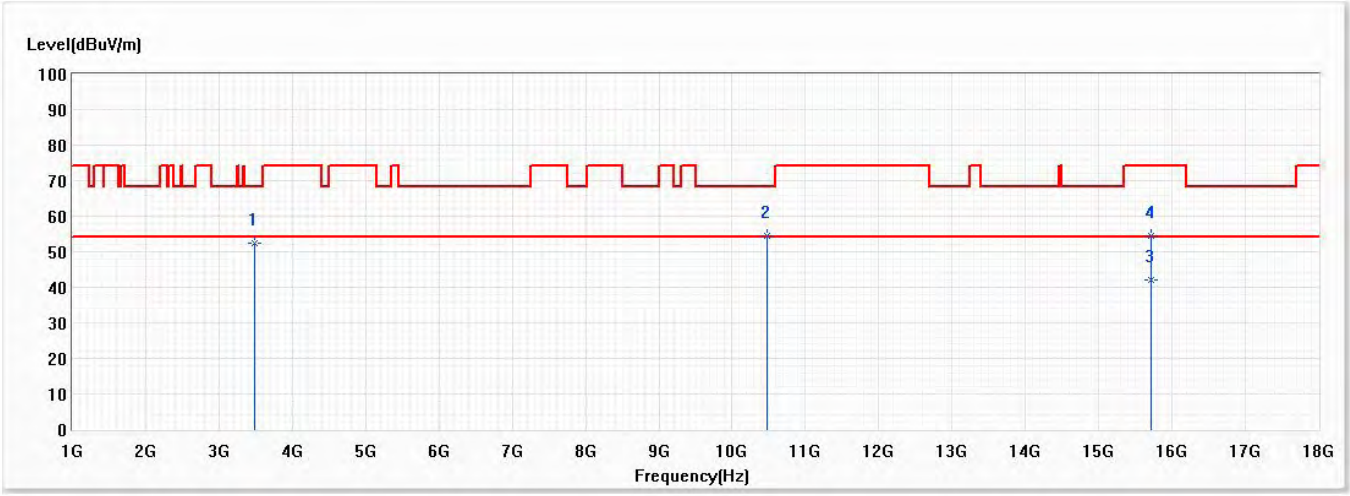


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3476.500	50.33	68.20	-17.87	56.09	-5.76	PK
* 2	10440.000	54.33	68.20	-13.87	41.18	13.15	PK
3	15660.000	53.11	74.00	-20.89	40.57	12.54	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 48,5.24G,BW20M	Humidity (%RH)	57.0

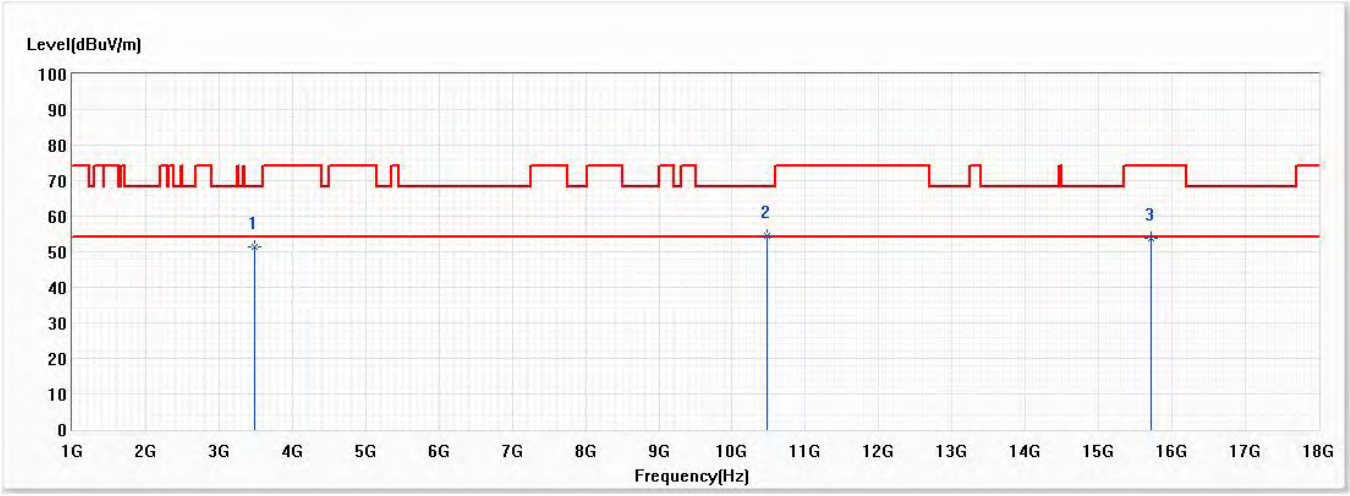


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3493.500	52.46	68.20	-15.74	58.20	-5.74	PK
2	10480.000	54.55	68.20	-13.65	41.26	13.29	PK
* 3	15720.000	42.11	54.00	-11.89	29.77	12.34	AV
4	15720.000	54.63	74.00	-19.37	42.29	12.34	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 48,5.24G,BW20M	Humidity (%RH)	57.0

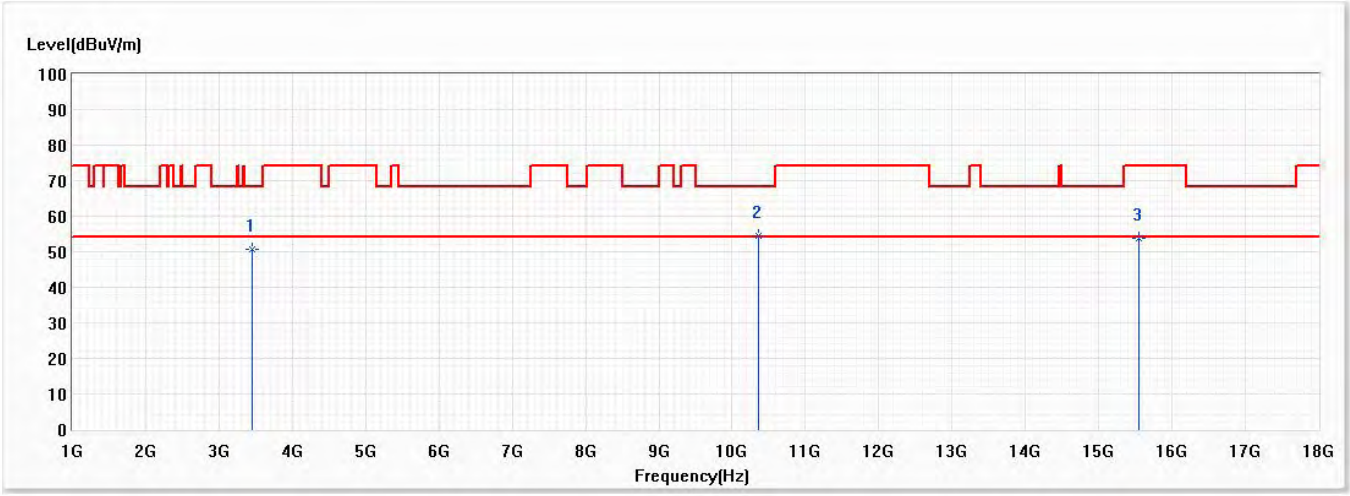


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3494.000	51.33	68.20	-16.87	57.05	-5.72	PK
* 2	10480.000	54.35	68.20	-13.85	41.06	13.29	PK
3	15720.000	53.77	74.00	-20.23	41.43	12.34	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 36,5.18G,BW20M	Humidity (%RH)	57.0

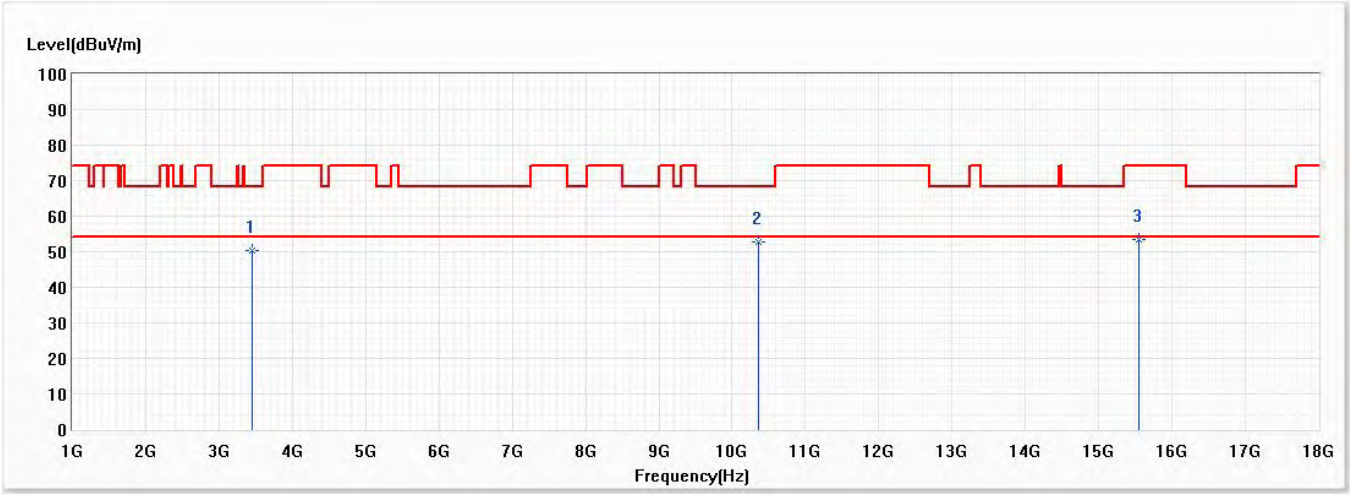


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3453.500	50.77	68.20	-17.43	56.57	-5.80	PK
* 2	10360.000	54.45	68.20	-13.75	41.56	12.89	PK
3	15540.000	53.93	74.00	-20.07	41.00	12.93	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 36,5.18G,BW20M	Humidity (%RH)	57.0

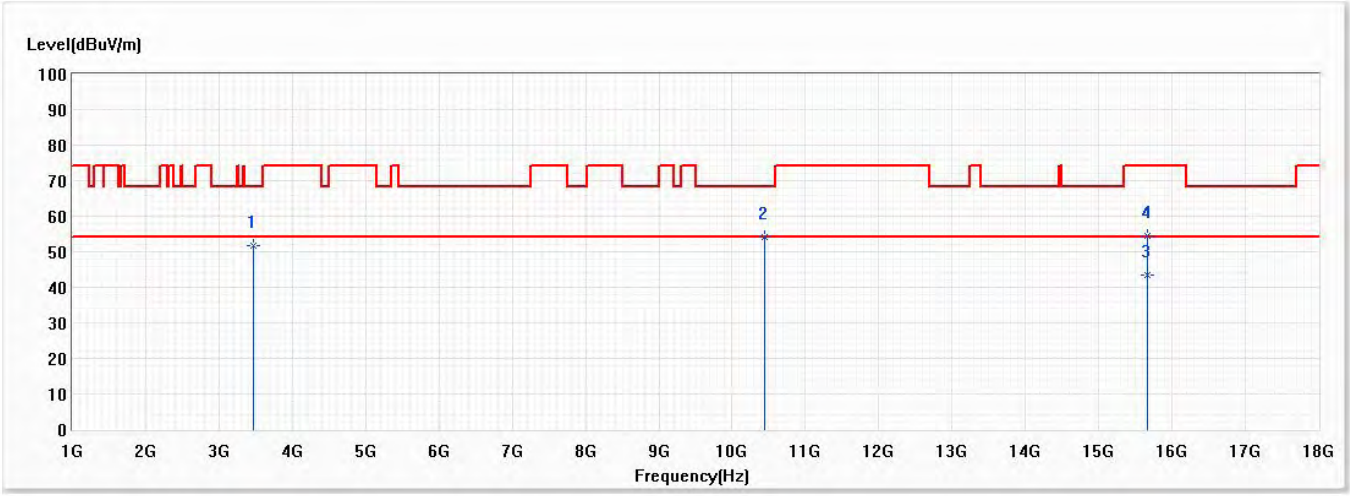


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3448.000	50.25	68.20	-17.95	56.05	-5.80	PK
* 2	10360.000	52.90	68.20	-15.30	40.01	12.89	PK
3	15540.000	53.33	74.00	-20.67	40.40	12.93	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 44,5.22G,BW20M	Humidity (%RH)	57.0

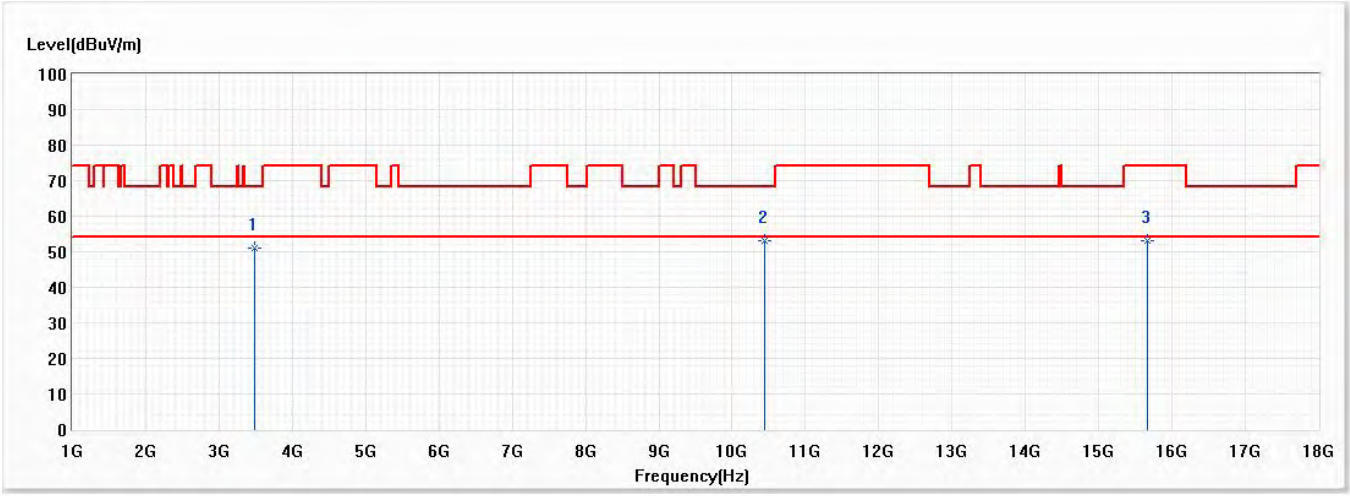


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3473.500	51.78	68.20	-16.42	57.54	-5.76	PK
2	10440.000	54.23	68.20	-13.97	41.08	13.15	PK
* 3	15660.000	43.35	54.00	-10.65	30.81	12.54	AV
4	15660.000	54.61	74.00	-19.39	42.07	12.54	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 44,5.22G,BW20M	Humidity (%RH)	57.0

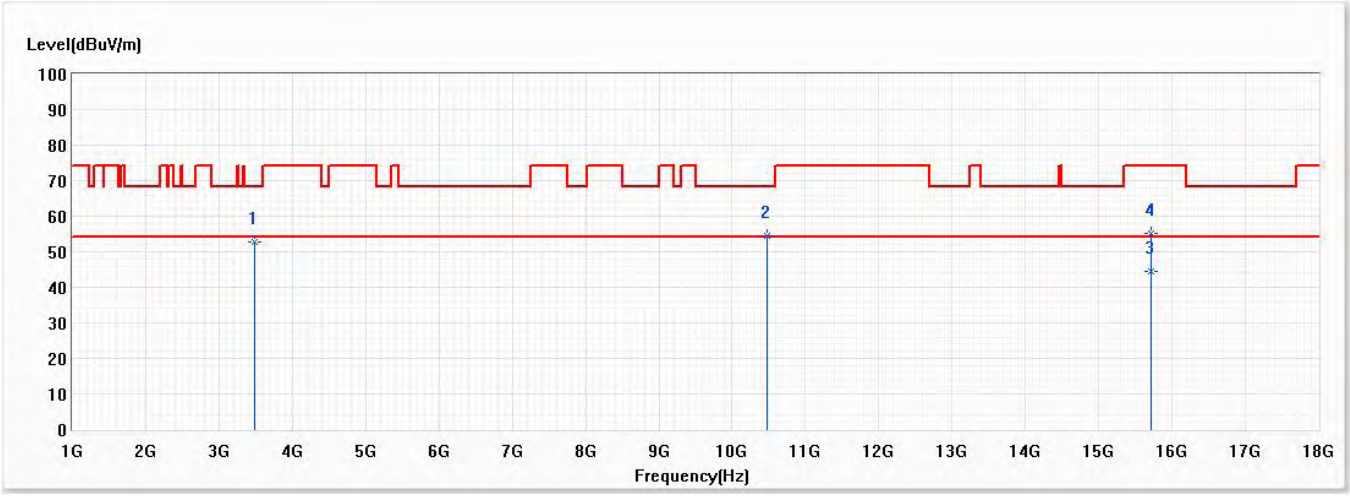


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3480.500	51.11	68.20	-17.09	56.87	-5.76	PK
* 2	10440.000	53.23	68.20	-14.97	40.08	13.15	PK
3	15660.000	53.21	74.00	-20.79	40.67	12.54	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 48,5.24G,BW20M	Humidity (%RH)	57.0

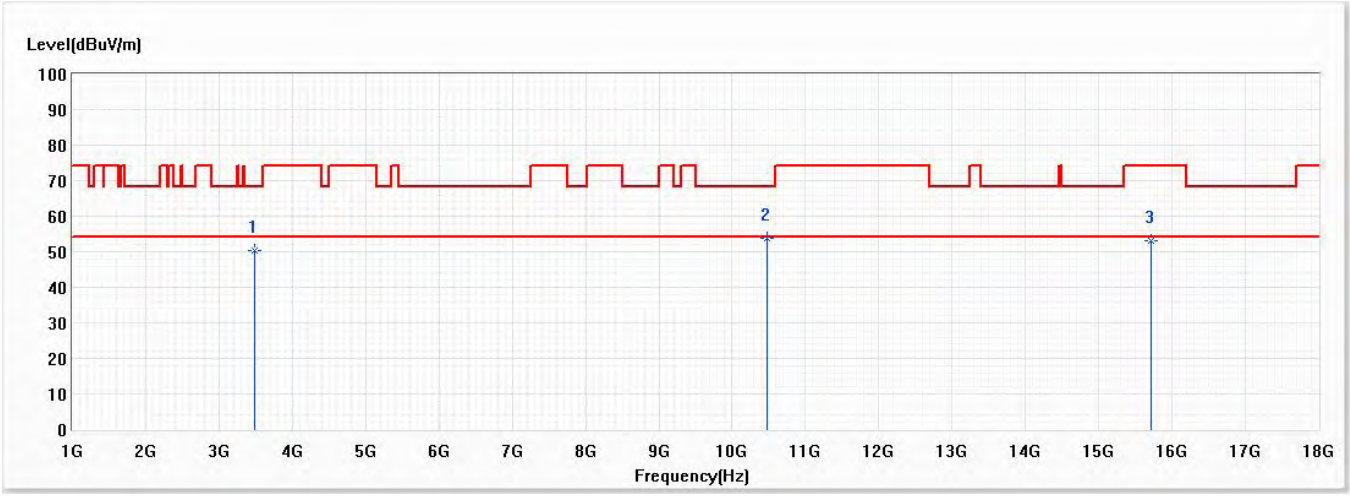


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3494.000	52.66	68.20	-15.54	58.38	-5.72	PK
2	10480.000	54.48	68.20	-13.72	41.19	13.29	PK
* 3	15720.000	44.51	54.00	-9.49	32.17	12.34	AV
4	15720.000	55.32	74.00	-18.68	42.98	12.34	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 48,5.24G,BW20M	Humidity (%RH)	57.0

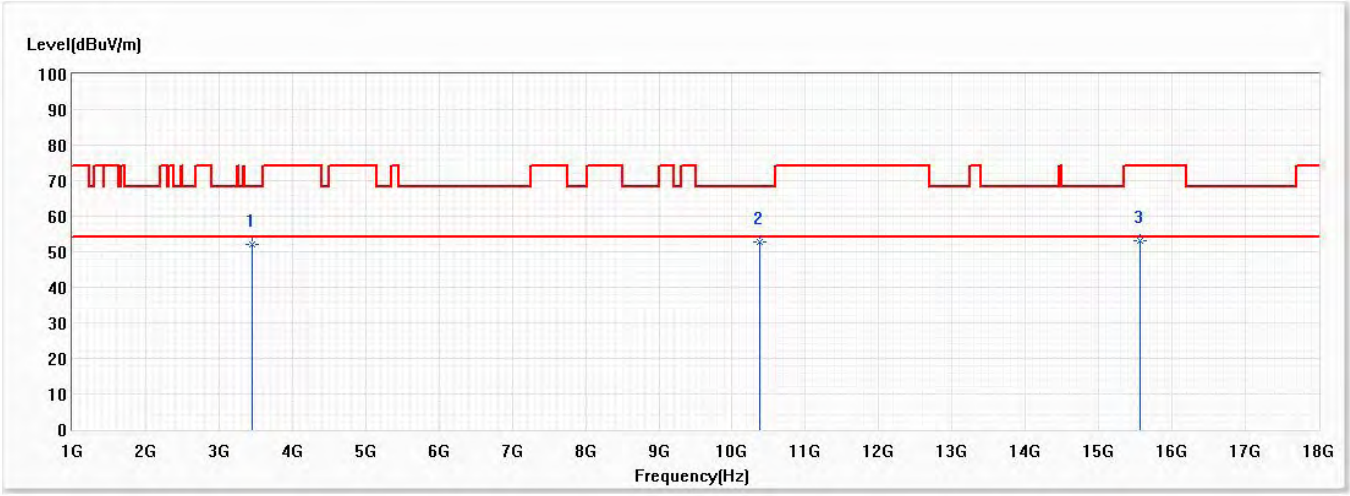


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3493.500	50.19	68.20	-18.01	55.93	-5.74	PK
* 2	10480.000	53.88	68.20	-14.32	40.59	13.29	PK
3	15720.000	53.11	74.00	-20.89	40.77	12.34	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 38,5.19G,BW40M	Humidity (%RH)	57.0

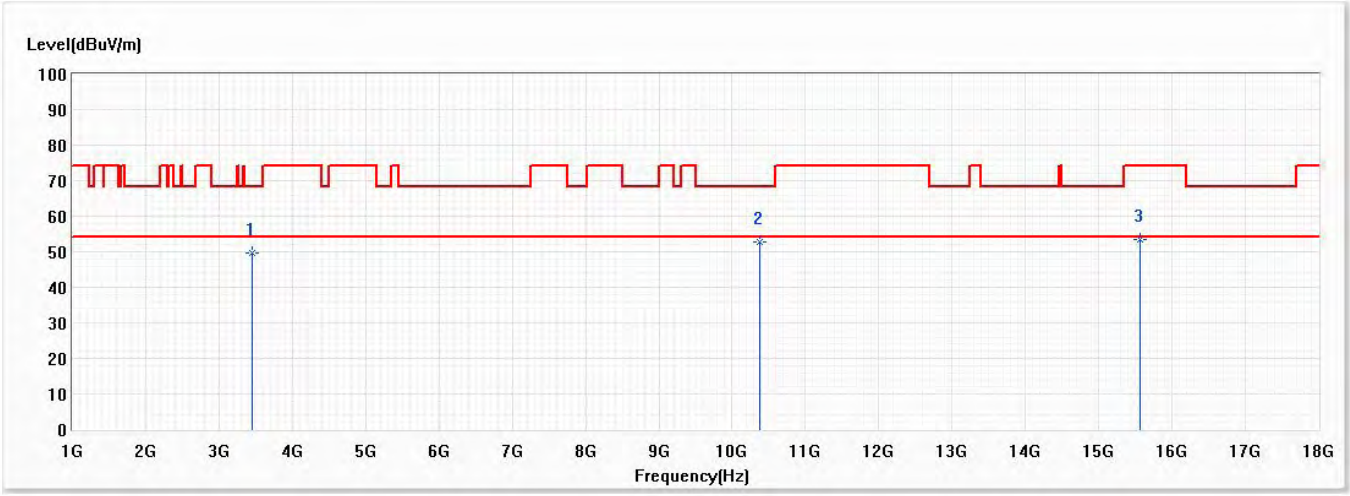


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3456.500	51.90	68.20	-16.30	57.68	-5.78	PK
* 2	10380.000	52.66	68.20	-15.54	39.70	12.96	PK
3	15570.000	53.25	74.00	-20.75	40.42	12.83	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 38,5.19G,BW40M	Humidity (%RH)	57.0

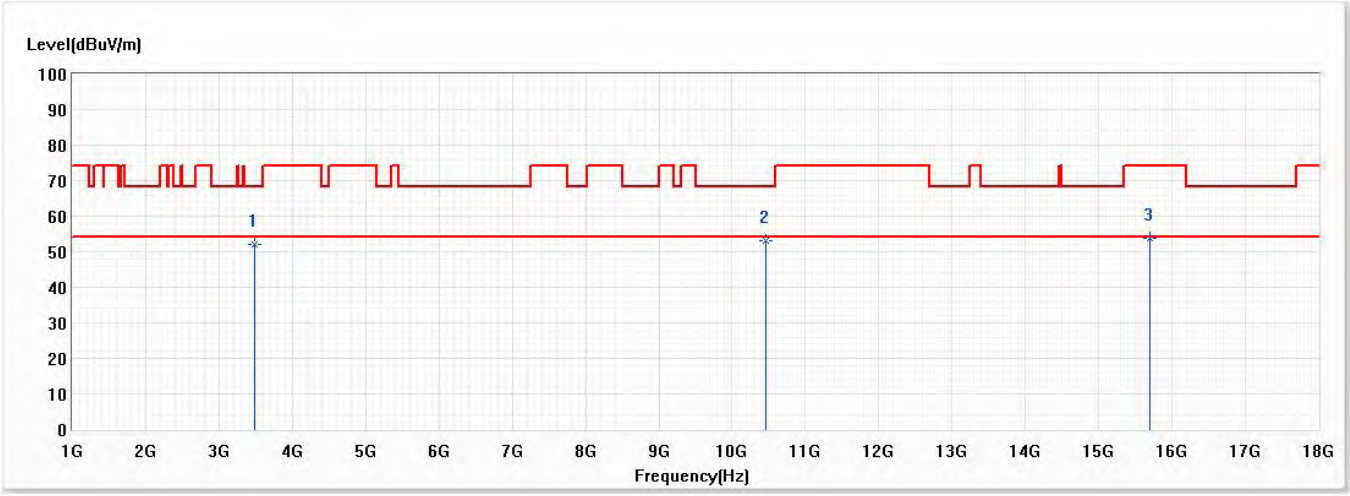


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3458.000	49.58	68.20	-18.62	55.36	-5.78	PK
* 2	10380.000	52.78	68.20	-15.42	39.82	12.96	PK
3	15570.000	53.39	74.00	-20.61	40.56	12.83	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 46,5.23G,BW40M	Humidity (%RH)	57.0

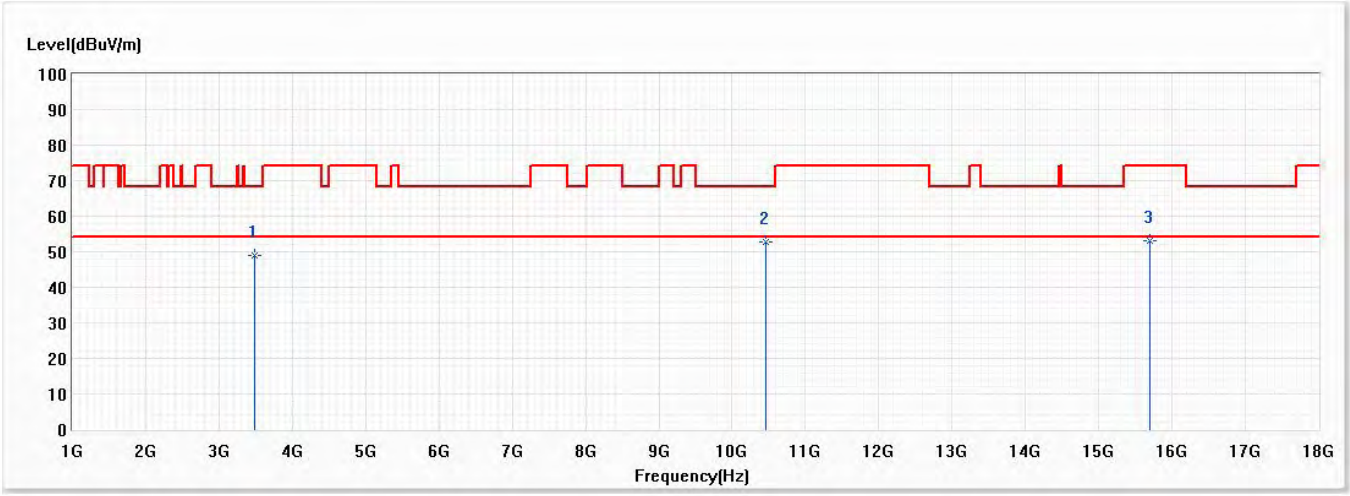


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3485.000	52.05	68.20	-16.15	57.79	-5.74	PK
* 2	10460.000	53.15	68.20	-15.05	39.93	13.22	PK
3	15690.000	53.79	74.00	-20.21	41.34	12.45	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 46,5.23G,BW40M	Humidity (%RH)	57.0

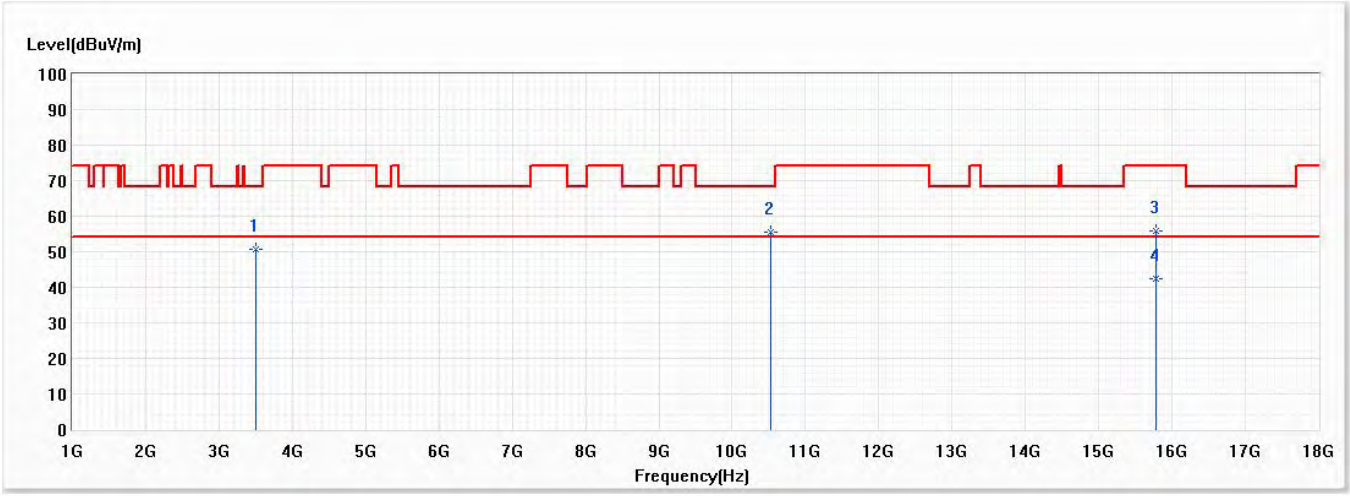


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3482.000	48.88	68.20	-19.32	54.62	-5.74	PK
* 2	10460.000	52.78	68.20	-15.42	39.56	13.22	PK
3	15690.000	52.94	74.00	-21.06	40.49	12.45	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 52,5.26G,BW20M	Humidity (%RH)	57.0

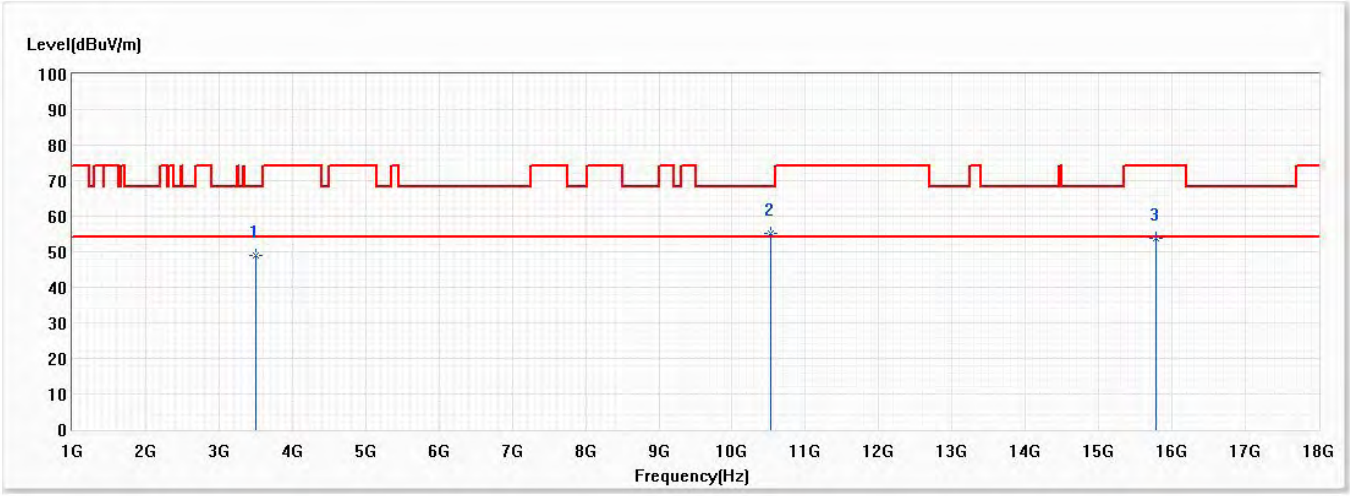


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3506.720	50.66	68.20	-17.54	56.36	-5.70	PK
2	10520.000	55.50	68.20	-12.70	42.12	13.38	PK
3	15780.000	55.90	74.00	-18.10	43.73	12.17	PK
* 4	15780.000	42.55	54.00	-11.45	30.38	12.17	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 52,5.26G,BW20M	Humidity (%RH)	57.0

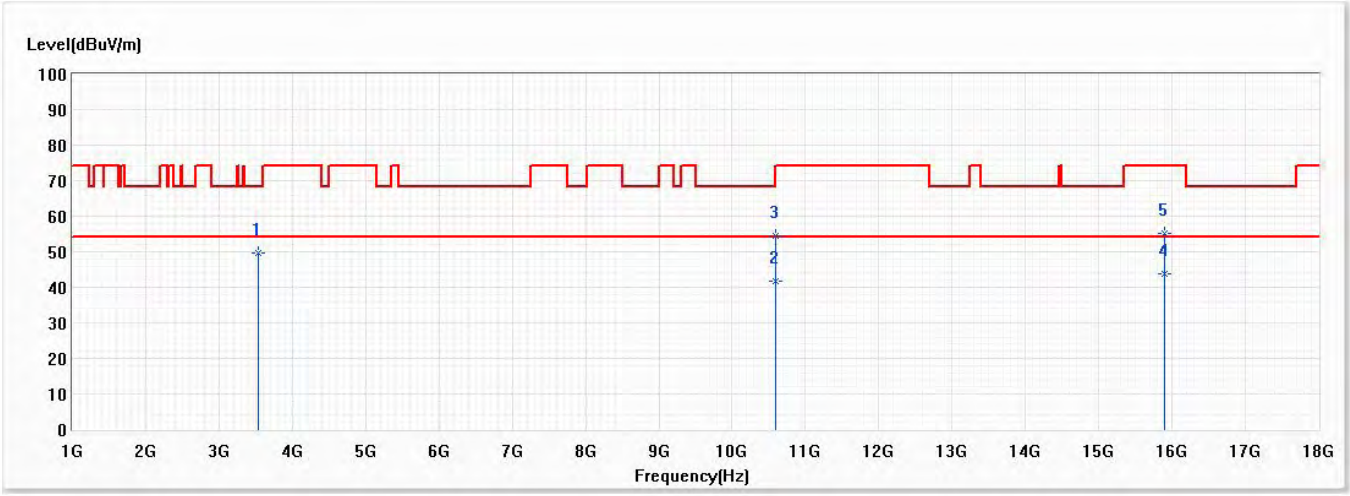


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3506.780	48.91	68.20	-19.29	54.61	-5.70	PK
* 2	10520.000	55.33	68.20	-12.87	41.95	13.38	PK
3	15780.000	53.88	74.00	-20.12	41.71	12.17	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 60,5.3G,BW20M	Humidity (%RH)	57.0

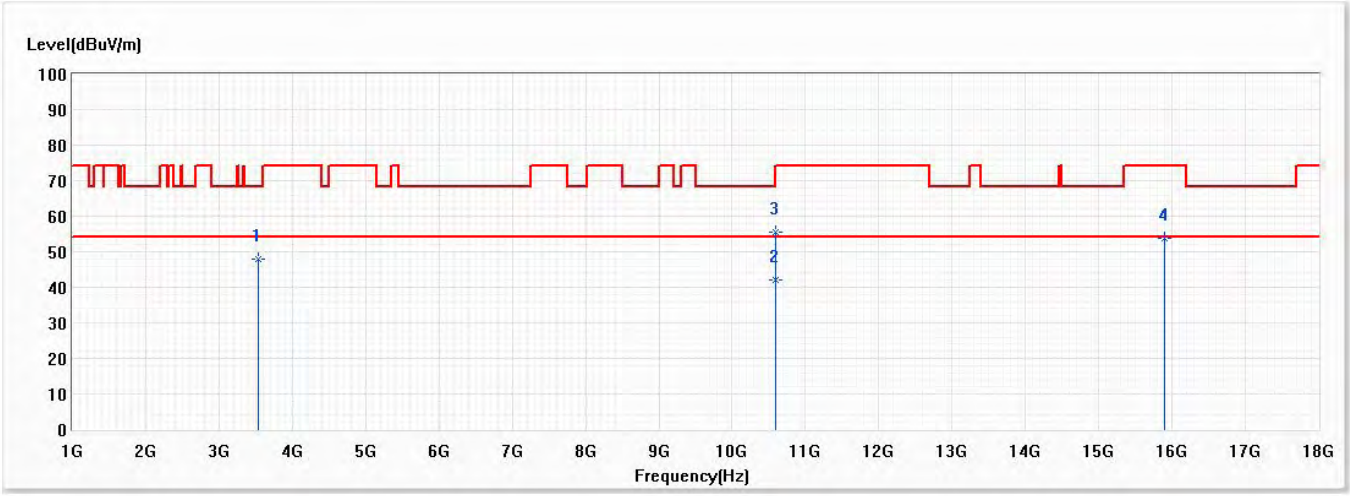


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3533.370	49.77	68.20	-18.43	55.38	-5.61	PK
2	10600.000	41.81	54.00	-12.19	28.28	13.53	AV
3	10600.000	54.52	74.00	-19.48	40.99	13.53	PK
* 4	15900.000	43.88	54.00	-10.12	32.08	11.80	AV
5	15900.000	55.19	74.00	-18.81	43.39	11.80	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 60,5.3G,BW20M	Humidity (%RH)	57.0

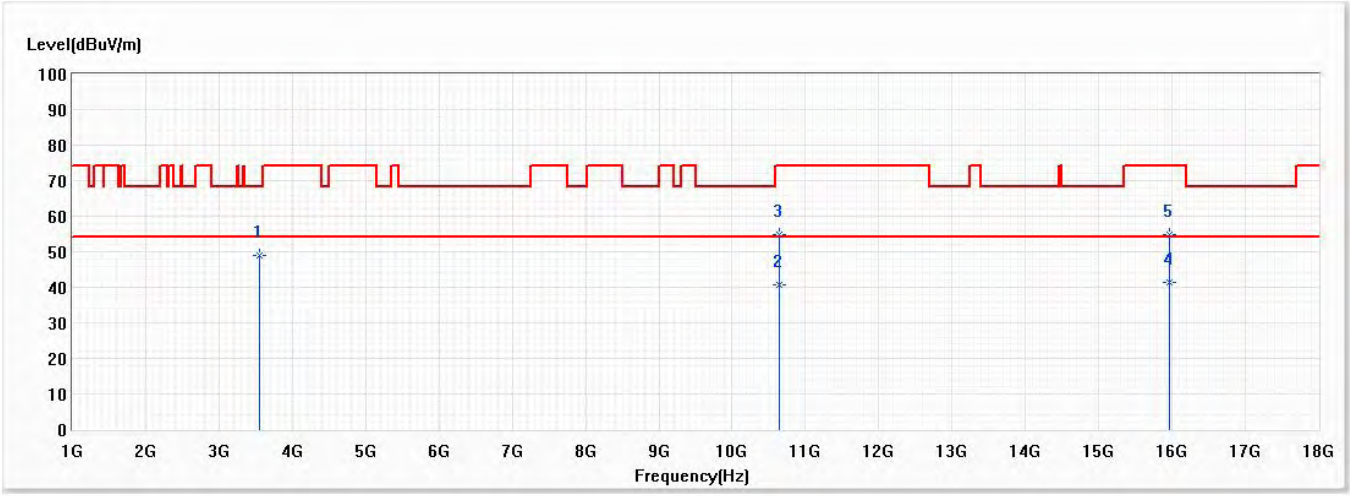


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3533.370	47.77	68.20	-20.43	53.38	-5.61	PK
* 2	10600.000	42.11	54.00	-11.89	28.58	13.53	AV
3	10600.000	55.40	74.00	-18.60	41.87	13.53	PK
4	15900.000	53.66	74.00	-20.34	41.86	11.80	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 64,5.32G,BW20M	Humidity (%RH)	57.0

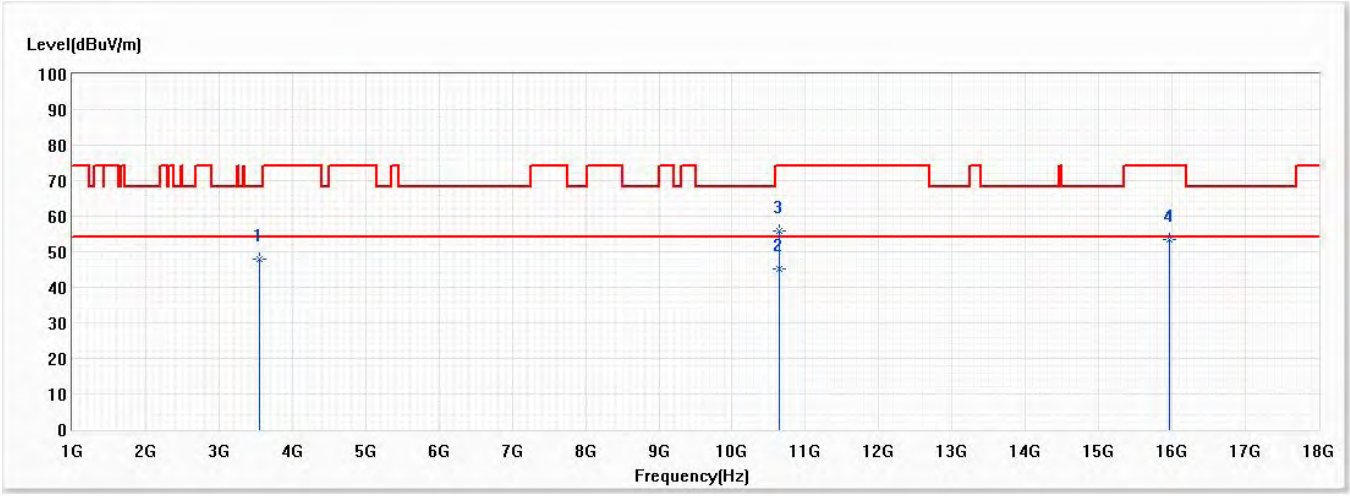


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3546.720	48.90	68.20	-19.30	54.48	-5.58	PK
2	10640.000	40.66	54.00	-13.34	27.06	13.60	AV
3	10640.000	54.88	74.00	-19.12	41.28	13.60	PK
* 4	15960.000	41.45	54.00	-12.55	29.83	11.62	AV
5	15960.000	54.68	74.00	-19.32	43.06	11.62	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 64,5.32G,BW20M	Humidity (%RH)	57.0

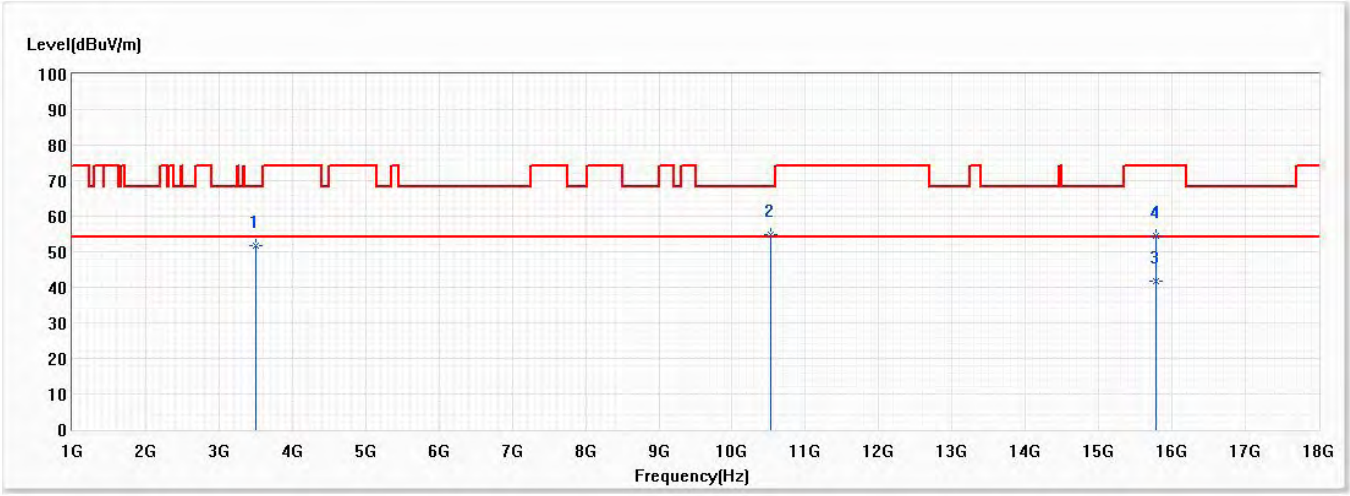


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3546.721	47.88	68.20	-20.32	53.46	-5.58	PK
* 2	10640.000	45.22	54.00	-8.78	31.62	13.60	AV
3	10640.000	55.79	74.00	-18.21	42.19	13.60	PK
4	15960.000	53.40	74.00	-20.60	41.78	11.62	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 52,5.26G,BW20M	Humidity (%RH)	58.0

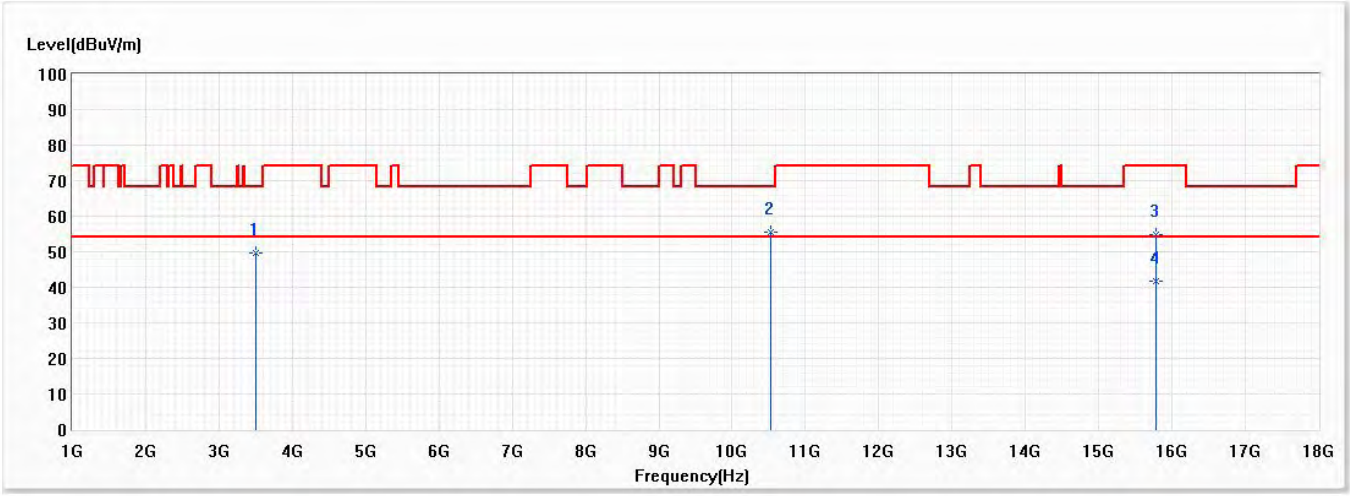


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3507.000	51.88	68.20	-16.32	68.65	-16.77	PK
2	10520.000	54.66	68.20	-13.54	53.68	0.98	PK
* 3	15780.000	41.57	54.00	-12.43	37.93	3.64	AV
4	15780.000	54.39	74.00	-19.61	50.75	3.64	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 52,5.26G,BW20M	Humidity (%RH)	58.0

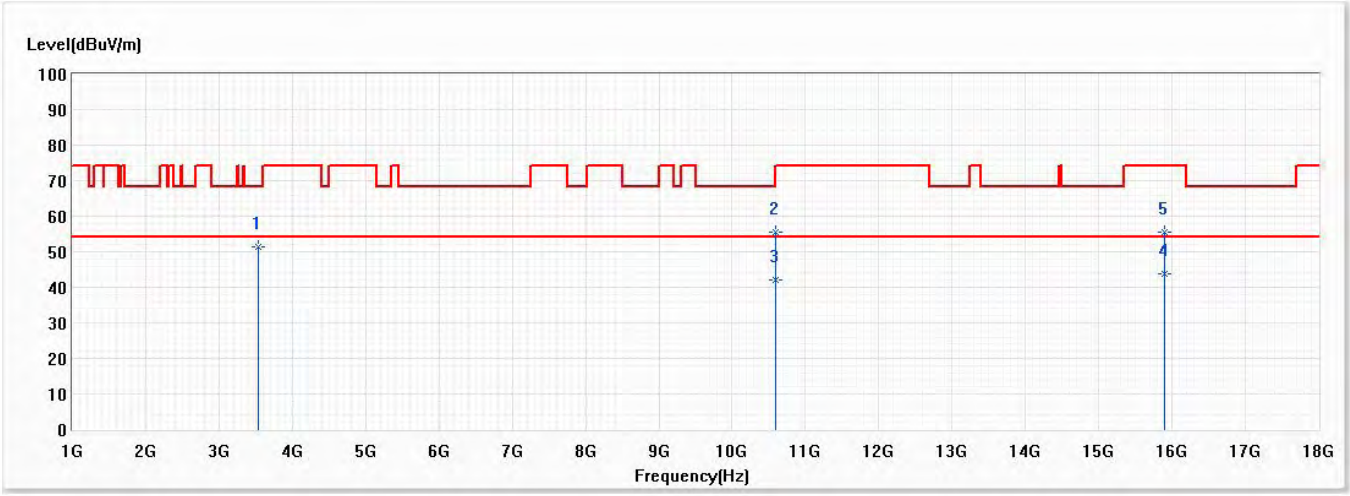


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3507.000	49.66	68.20	-18.54	66.43	-16.77	PK
2	10520.000	55.53	68.20	-12.67	54.55	0.98	PK
3	15780.000	54.66	74.00	-19.34	51.02	3.64	PK
* 4	15780.000	41.66	54.00	-12.34	38.02	3.64	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 60,5.3G,BW20M	Humidity (%RH)	58.0

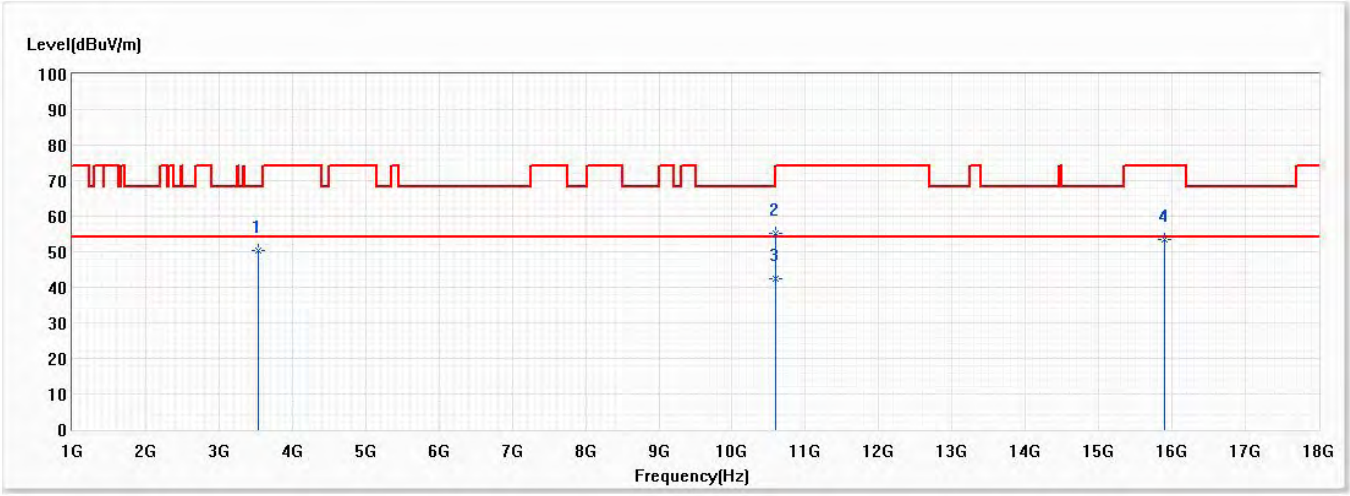


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3533.290	51.22	68.20	-16.98	67.90	-16.68	PK
2	10600.000	55.47	74.00	-18.53	54.34	1.13	PK
3	10600.001	42.18	54.00	-11.82	41.05	1.13	AV
* 4	15900.000	43.89	54.00	-10.11	40.56	3.33	AV
5	15900.000	55.55	74.00	-18.45	52.22	3.33	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 60,5.3G,BW20M	Humidity (%RH)	58.0

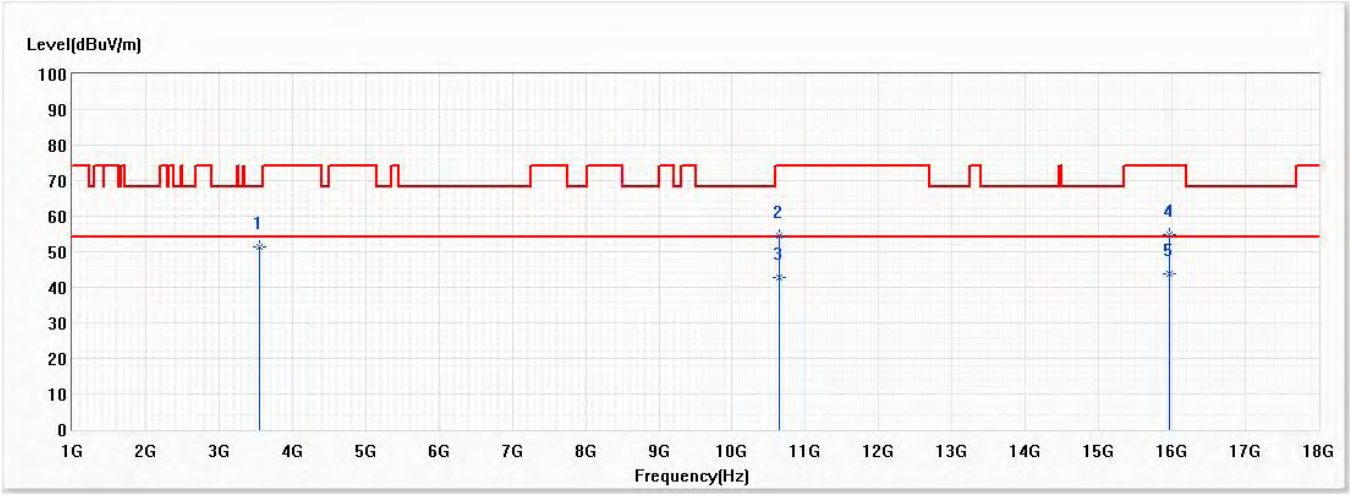


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3533.290	50.33	68.20	-17.87	67.01	-16.68	PK
2	10600.000	55.11	74.00	-18.89	53.98	1.13	PK
* 3	10600.000	42.33	54.00	-11.67	41.20	1.13	AV
4	15900.000	53.57	74.00	-20.43	50.24	3.33	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 64,5.32G,BW20M	Humidity (%RH)	58.0

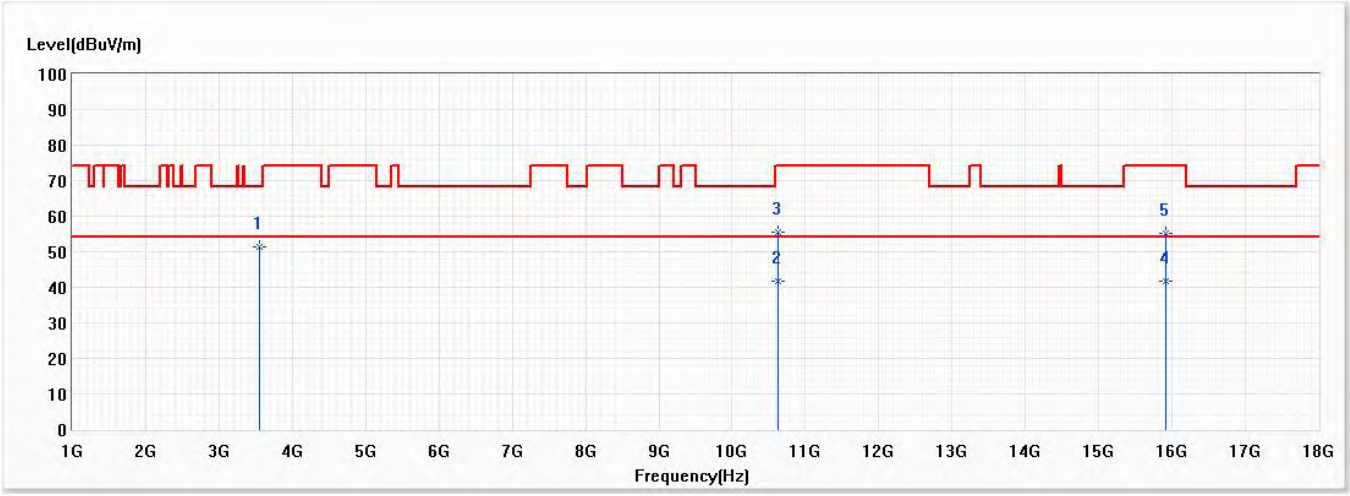


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3546.000	51.44	68.20	-16.76	68.08	-16.64	PK
2	10640.000	54.33	74.00	-19.67	53.12	1.21	PK
3	10640.000	42.78	54.00	-11.22	41.57	1.21	AV
4	15960.000	54.88	74.00	-19.12	51.70	3.18	PK
* 5	15960.000	43.66	54.00	-10.34	40.48	3.18	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 64,5.32G,BW20M	Humidity (%RH)	58.0

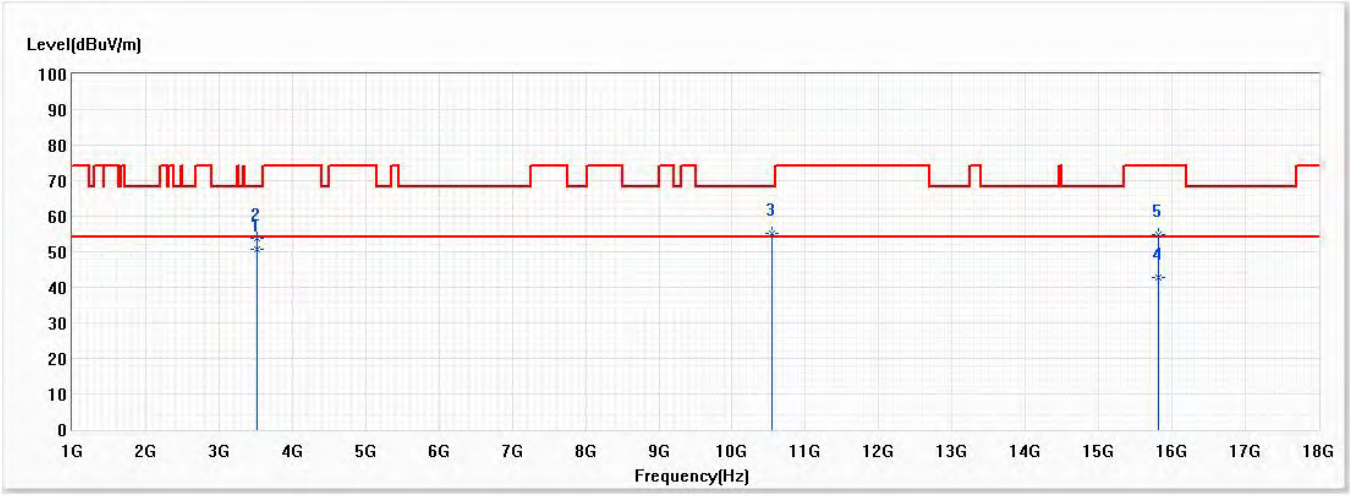


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3546.980	51.36	68.20	-16.84	68.00	-16.64	PK
* 2	10620.000	41.67	54.00	-12.33	40.50	1.17	AV
3	10620.000	55.67	74.00	-18.33	54.50	1.17	PK
4	15920.000	41.66	74.00	-32.34	38.37	3.29	PK
5	15920.000	55.11	74.00	-18.89	51.82	3.29	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 54,5.27G,BW40M	Humidity (%RH)	58.0

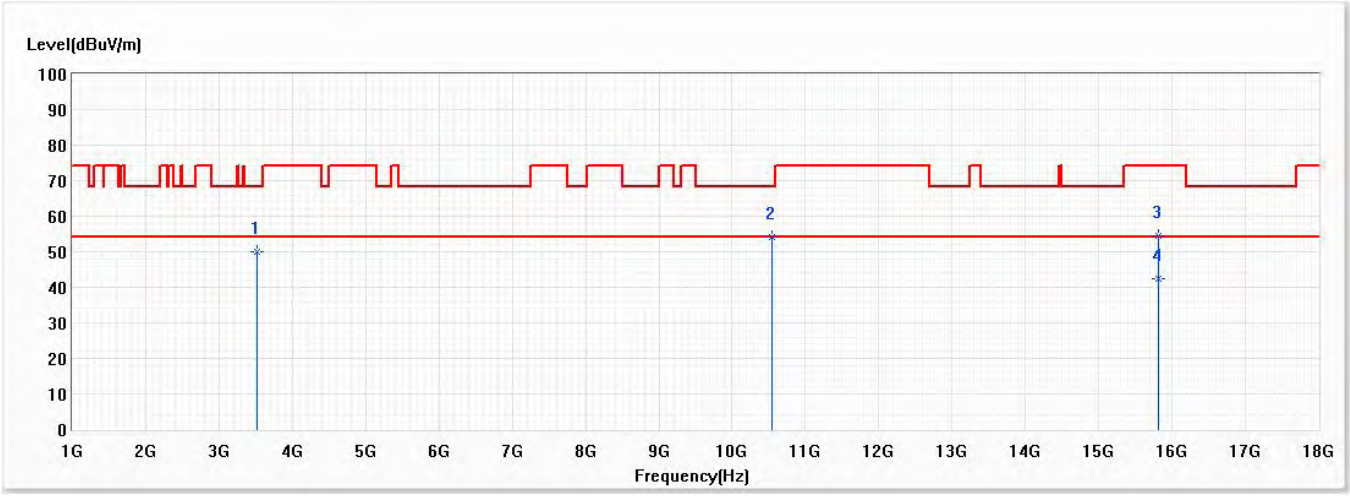


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3513.320	50.66	54.00	-3.34	67.41	-16.75	AV
2	3513.320	53.89	68.20	-14.31	70.64	-16.75	PK
3	10540.000	55.11	68.20	-13.09	54.09	1.02	PK
4	15810.000	42.67	54.00	-11.33	39.10	3.57	AV
5	15810.000	54.77	74.00	-19.23	51.20	3.57	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 54,5.27G,BW40M	Humidity (%RH)	58.0

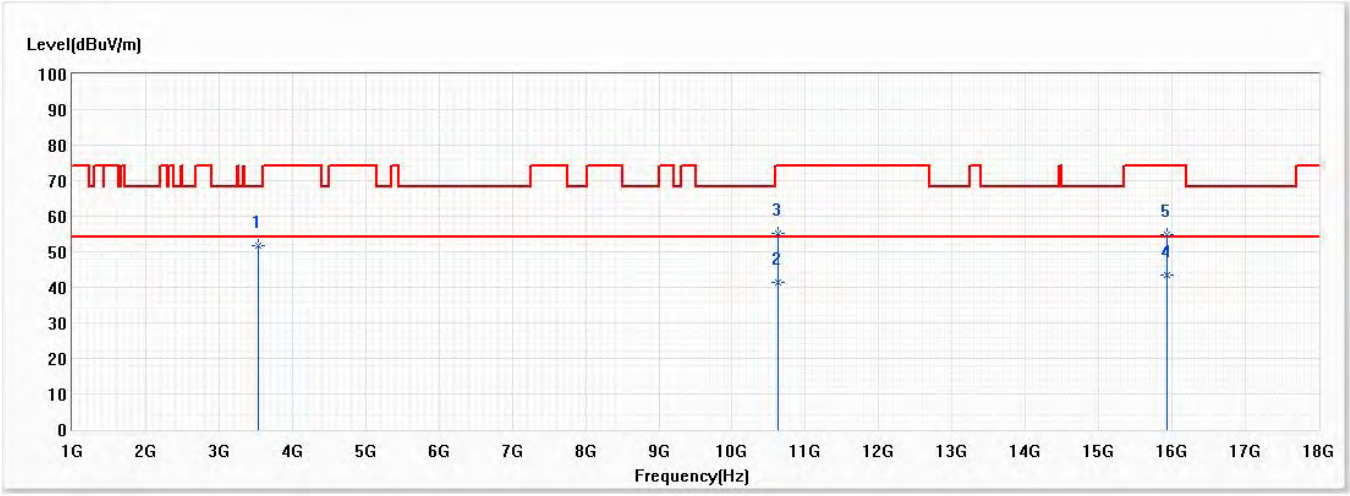


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3513.320	50.15	68.20	-18.05	66.90	-16.75	PK
2	10540.000	54.15	68.20	-14.05	53.13	1.02	PK
3	15810.000	54.36	74.00	-19.64	50.79	3.57	PK
* 4	15810.000	42.33	54.00	-11.67	38.76	3.57	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 62,5.31G,BW40M	Humidity (%RH)	58.0

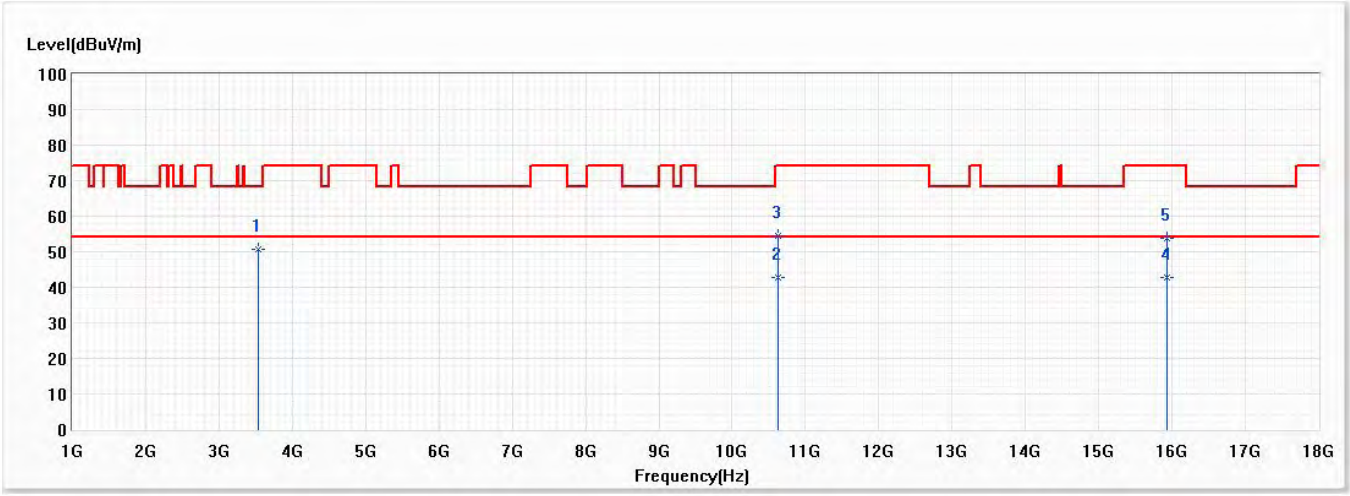


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3540.074	51.78	68.20	-16.42	68.44	-16.66	PK
2	10620.000	41.44	54.00	-12.56	40.27	1.17	AV
3	10620.000	55.15	74.00	-18.85	53.98	1.17	PK
* 4	15930.000	43.33	54.00	-10.67	40.07	3.26	AV
5	15930.000	54.66	74.00	-19.34	51.40	3.26	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 62,5.31G,BW40M	Humidity (%RH)	58.0

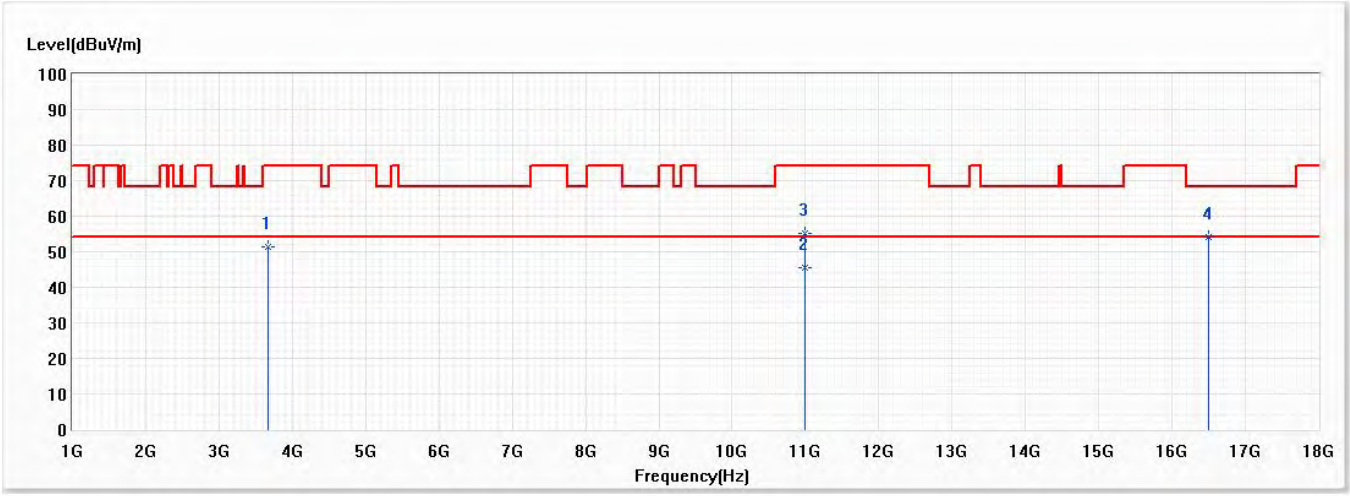


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3540.074	50.79	68.20	-17.41	67.45	-16.66	PK
2	10620.000	42.66	54.00	-11.34	41.49	1.17	AV
3	10620.000	54.55	74.00	-19.45	53.38	1.17	PK
* 4	15930.000	42.77	54.00	-11.23	39.51	3.26	AV
5	15930.000	53.90	74.00	-20.10	50.64	3.26	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 100,5.5G,BW20M	Humidity (%RH)	57.0

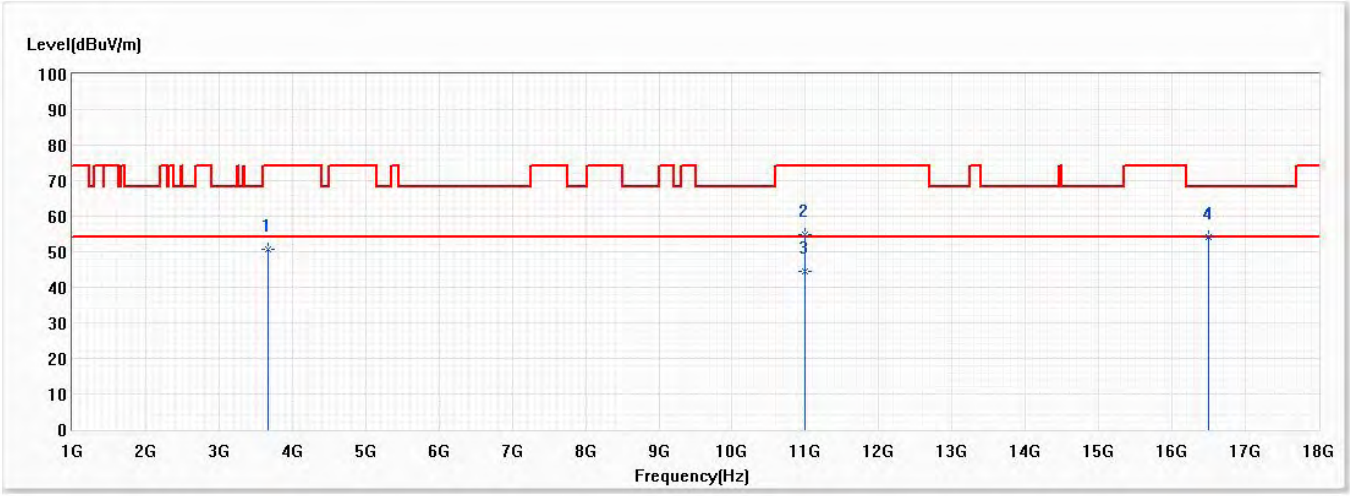


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3667.200	51.23	74.00	-22.77	56.44	-5.21	PK
* 2	11000.000	45.36	54.00	-8.64	31.37	13.99	AV
3	11000.000	55.10	74.00	-18.90	41.11	13.99	PK
4	16500.000	54.25	68.20	-13.95	41.64	12.61	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 100,5.5G,BW20M	Humidity (%RH)	57.0

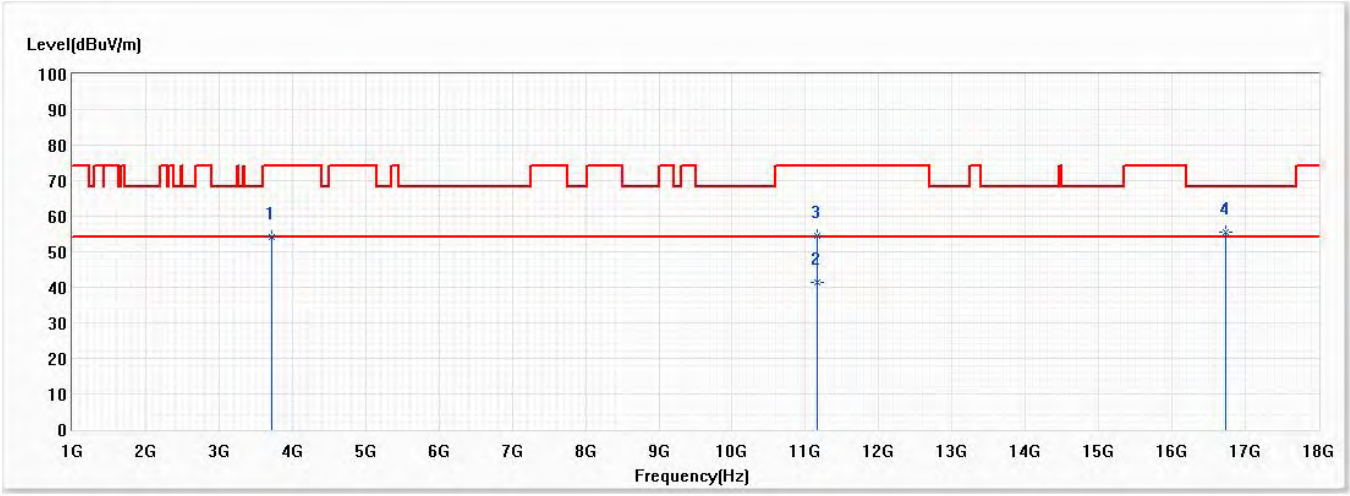


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3667.200	50.86	74.00	-23.14	56.07	-5.21	PK
2	11000.000	54.77	74.00	-19.23	40.78	13.99	PK
* 3	11000.000	44.36	54.00	-9.64	30.37	13.99	AV
4	16500.000	54.11	68.20	-14.09	41.50	12.61	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 116,5.58G,BW20M	Humidity (%RH)	57.0

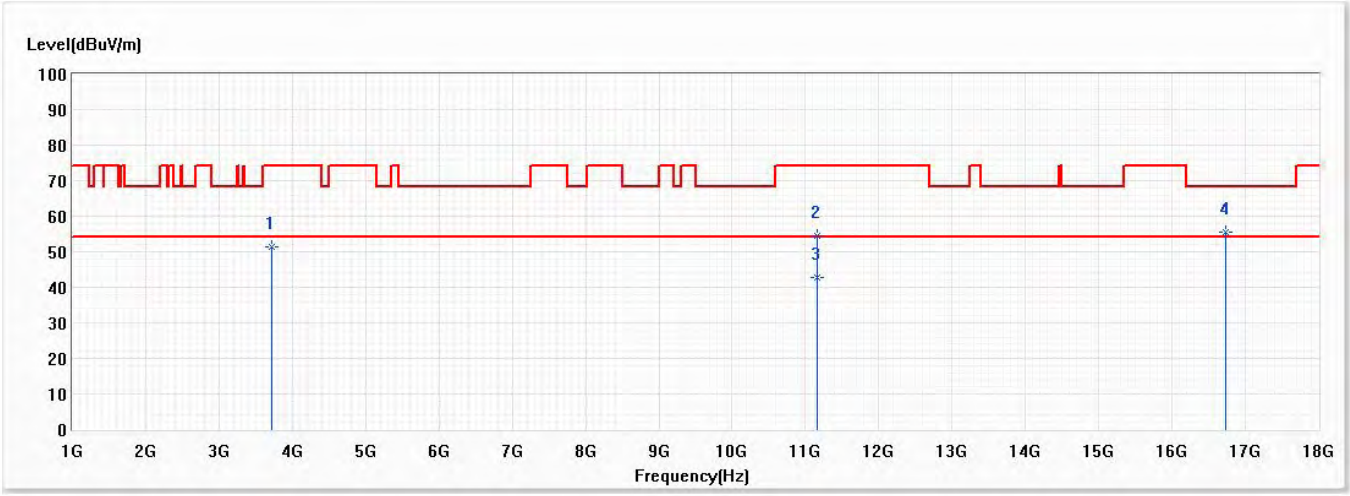


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3719.400	54.11	74.00	-19.89	59.16	-5.05	PK
* 2	11160.000	41.55	54.00	-12.45	27.38	14.17	AV
3	11160.000	54.40	74.00	-19.60	40.23	14.17	PK
4	16740.000	55.41	68.20	-12.79	41.68	13.73	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 116,5.58G,BW20M	Humidity (%RH)	57.0

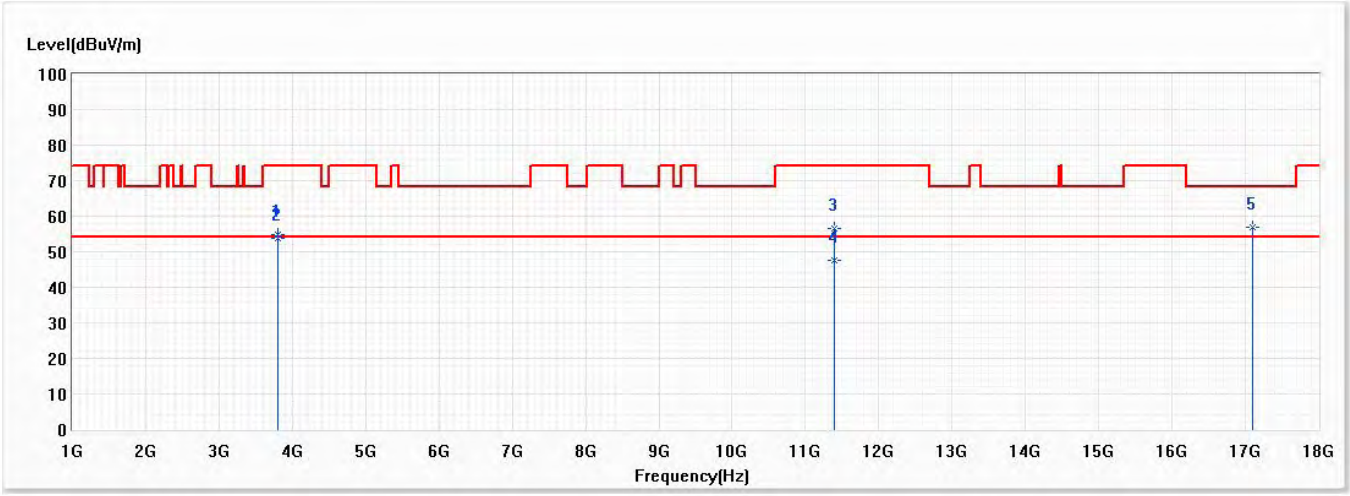


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3719.400	51.21	74.00	-22.79	56.26	-5.05	PK
2	11160.000	54.55	74.00	-19.45	40.38	14.17	PK
* 3	11160.000	42.88	54.00	-11.12	28.71	14.17	AV
4	16740.000	55.67	68.20	-12.53	41.94	13.73	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11a,Ch 140,5.7G,BW20M	Humidity (%RH)	58.0

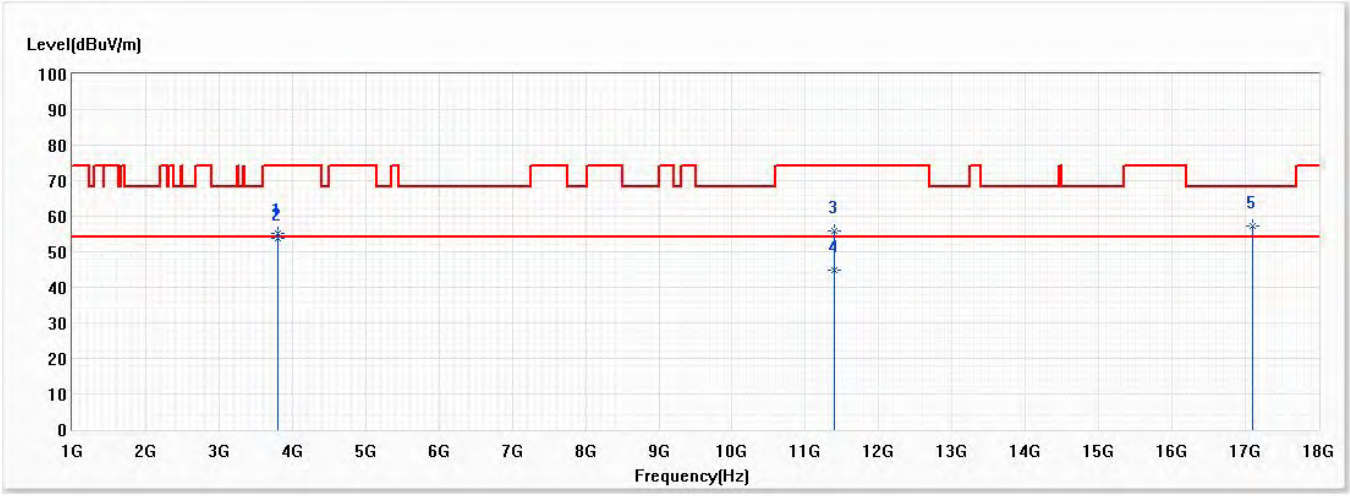


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3799.900	54.78	74.00	-19.22	70.57	-15.79	PK
* 2	3799.900	53.75	54.00	-0.25	69.54	-15.79	AV
3	11400.000	56.70	74.00	-17.30	54.13	2.57	PK
4	11400.000	47.71	54.00	-6.29	45.14	2.57	AV
5	17100.000	57.04	68.20	-11.16	52.02	5.02	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11a,Ch 140,5.7G,BW20M	Humidity (%RH)	58.0

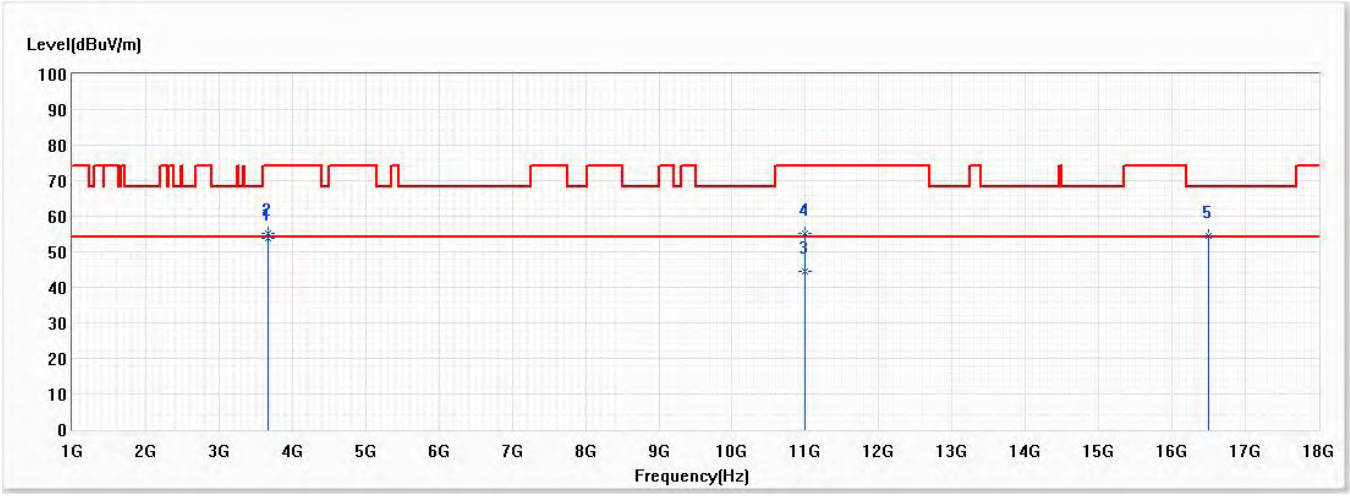


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3799.965	55.12	74.00	-18.88	70.91	-15.79	PK
* 2	3799.965	53.90	54.00	-0.10	69.69	-15.79	AV
3	11400.000	55.74	74.00	-18.26	53.17	2.57	PK
4	11400.000	44.71	54.00	-9.29	42.14	2.57	AV
5	17100.000	57.39	68.20	-10.81	52.37	5.02	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 100,5.5G,BW20M	Humidity (%RH)	58.0

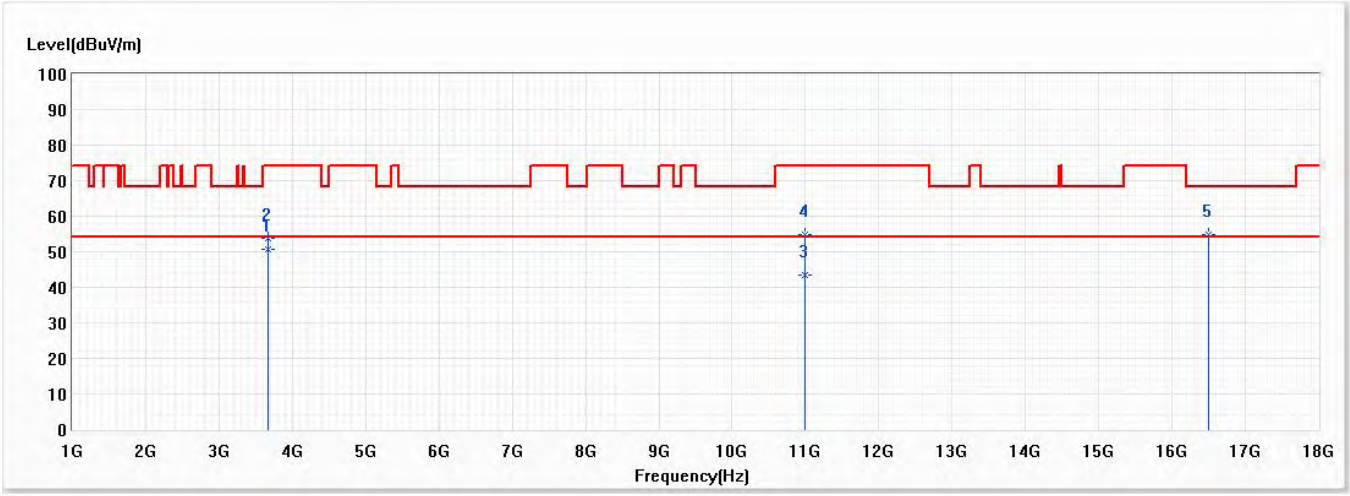


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3666.100	53.70	54.00	-0.30	69.93	-16.23	AV
2	3666.100	55.11	74.00	-18.89	71.34	-16.23	PK
3	11000.000	44.55	54.00	-9.45	42.67	1.88	AV
4	11000.000	55.34	74.00	-18.66	53.46	1.88	PK
5	16500.000	54.51	68.20	-13.69	51.05	3.46	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 100,5.5G,BW20M	Humidity (%RH)	58.0

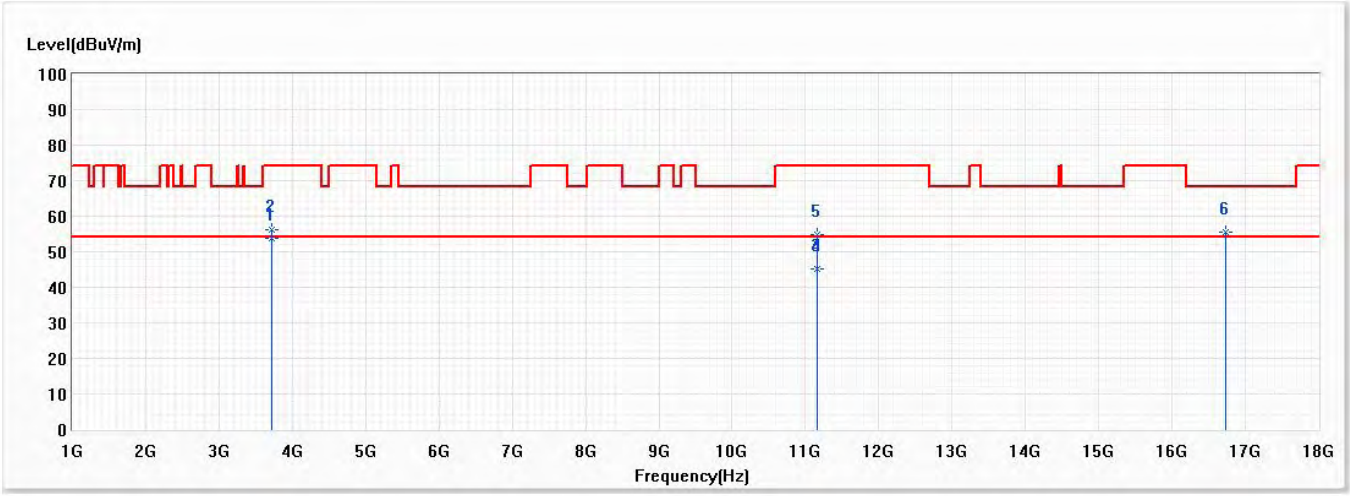


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3666.670	50.72	54.00	-3.28	66.95	-16.23	AV
2	3666.670	53.88	74.00	-20.12	70.11	-16.23	PK
3	11000.000	43.55	54.00	-10.45	41.67	1.88	AV
4	11000.000	54.88	74.00	-19.12	53.00	1.88	PK
5	16500.000	54.87	68.20	-13.33	51.41	3.46	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 116,5.58G,BW20M	Humidity (%RH)	58.0

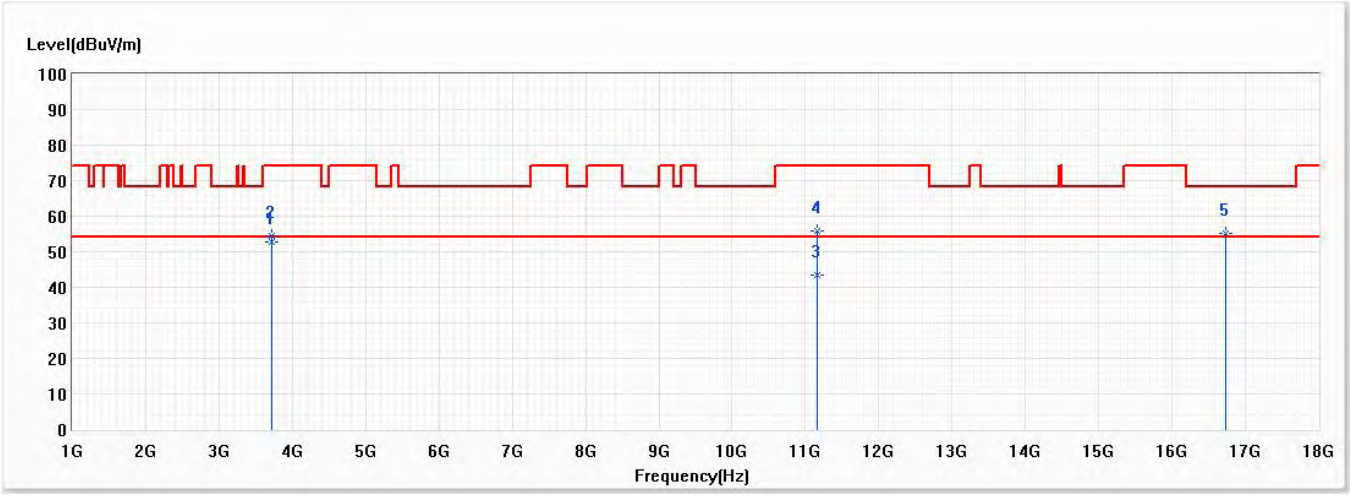


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3720.400	53.86	54.00	-0.14	69.92	-16.06	AV
2	3720.400	56.15	74.00	-17.85	72.21	-16.06	PK
3	11160.000	45.10	54.00	-8.90	42.95	2.15	AV
4	11160.000	45.10	54.00	-8.90	42.95	2.15	AV
5	11160.000	54.91	74.00	-19.09	52.76	2.15	PK
6	16740.000	55.60	68.20	-12.60	51.56	4.04	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 116,5.58G,BW20M	Humidity (%RH)	58.0

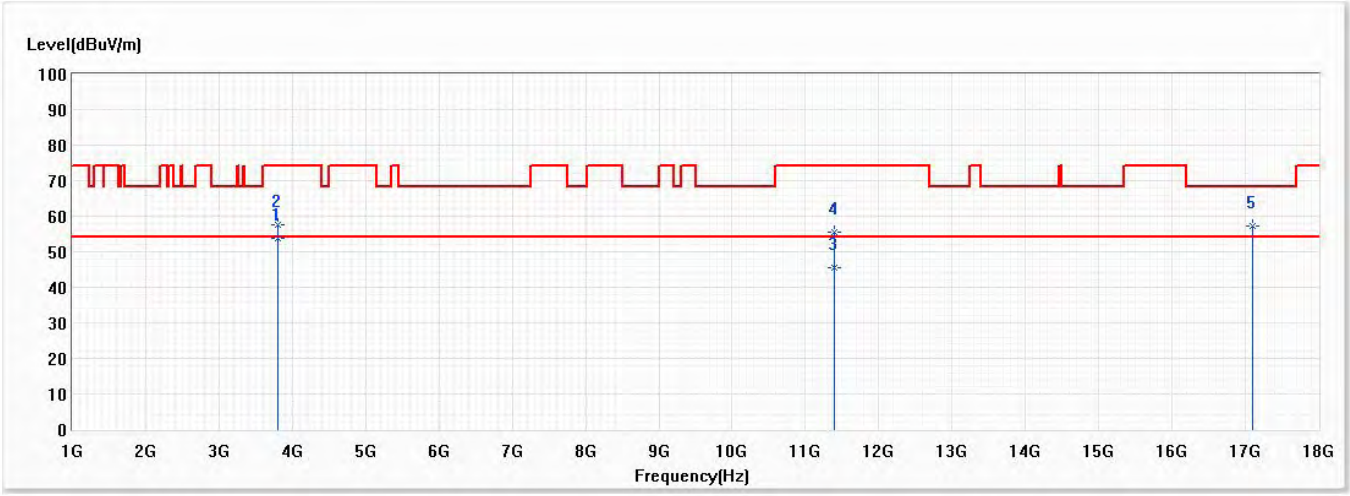


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3720.390	52.61	54.00	-1.39	68.67	-16.06	AV
2	3720.390	54.55	74.00	-19.45	70.61	-16.06	PK
3	11160.000	43.55	74.00	-30.45	41.40	2.15	PK
4	11160.000	55.87	74.00	-18.13	53.72	2.15	PK
5	16740.000	55.01	68.20	-13.19	50.97	4.04	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 140,5.7G,BW20M	Humidity (%RH)	58.0

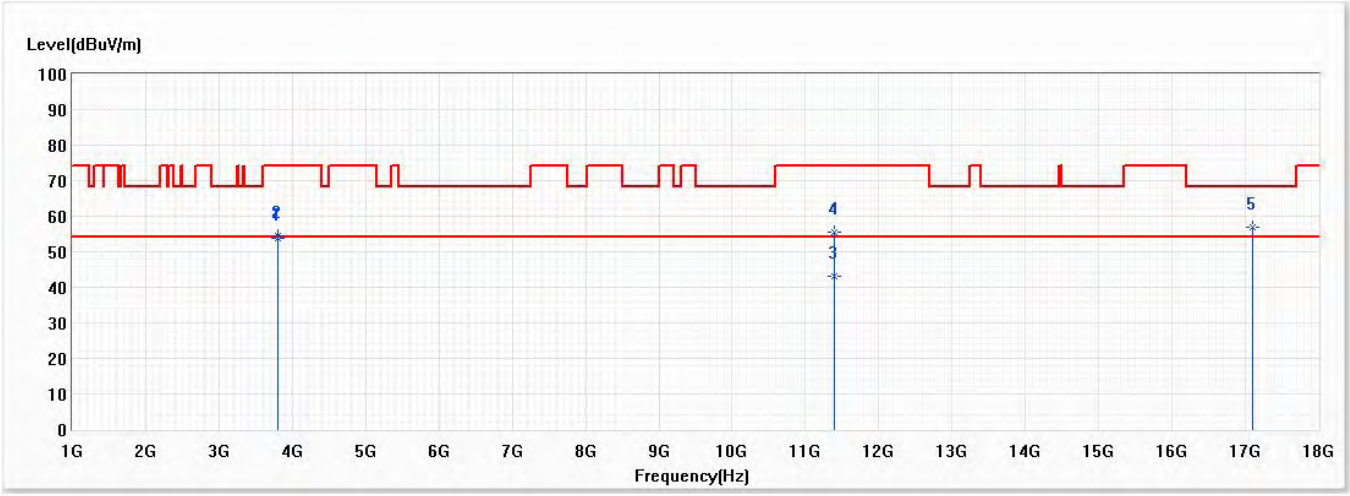


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3800.350	53.77	54.00	-0.23	69.56	-15.79	AV
2	3800.350	57.64	74.00	-16.36	73.43	-15.79	PK
3	11400.000	45.66	54.00	-8.34	43.09	2.57	AV
4	11400.000	55.58	74.00	-18.42	53.01	2.57	PK
5	17100.000	57.15	68.20	-11.05	52.13	5.02	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 140,5.7G,BW20M	Humidity (%RH)	58.0

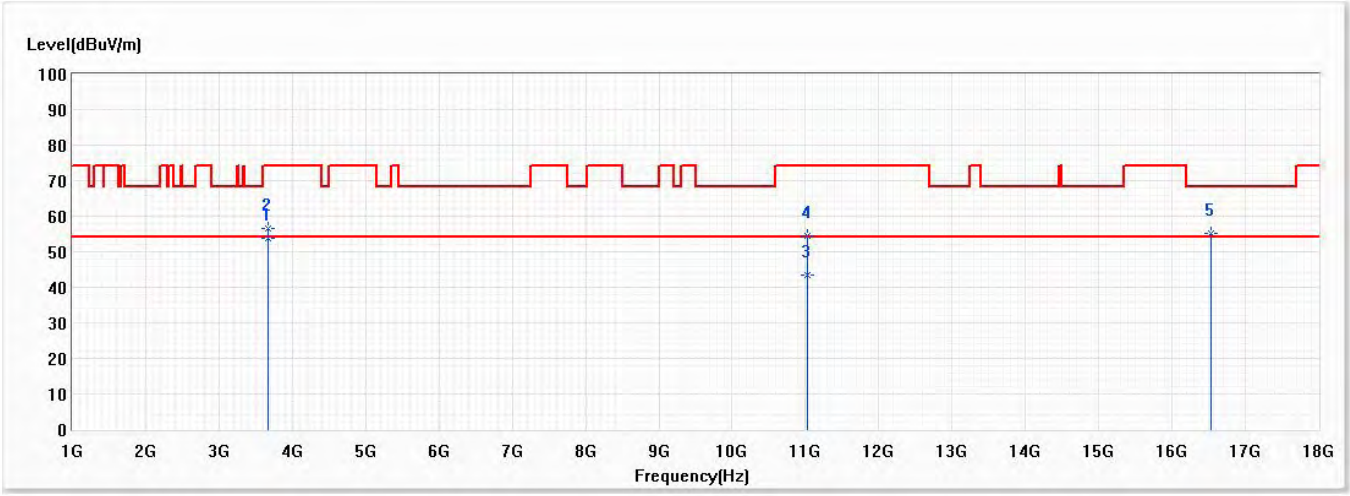


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3800.350	53.71	54.00	-0.29	69.50	-15.79	AV
2	3800.350	54.47	74.00	-19.53	70.26	-15.79	PK
3	11400.000	43.23	54.00	-10.77	40.66	2.57	AV
4	11400.000	55.51	74.00	-18.49	52.94	2.57	PK
5	17100.000	56.88	68.20	-11.32	51.86	5.02	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 102,5.51G,BW40M	Humidity (%RH)	58.0

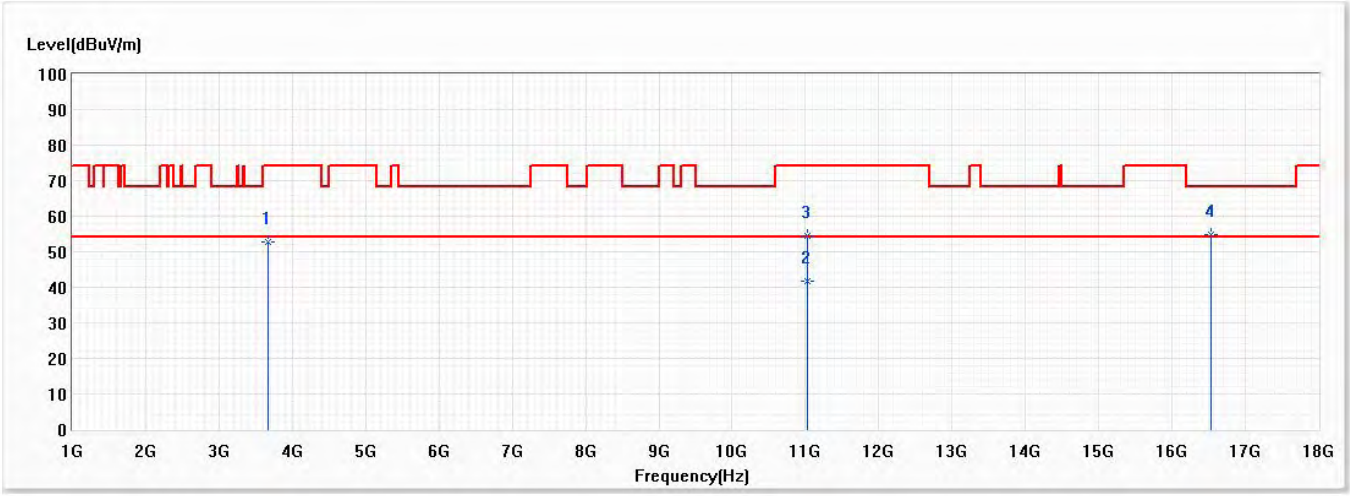


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3673.700	53.86	54.00	-0.14	70.08	-16.22	AV
2	3673.700	56.64	74.00	-17.36	72.86	-16.22	PK
3	11020.000	43.55	54.00	-10.45	41.63	1.92	AV
4	11020.000	54.34	74.00	-19.66	52.42	1.92	PK
5	16530.000	55.21	68.20	-12.99	51.68	3.53	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 102,5.51G,BW40M	Humidity (%RH)	58.0

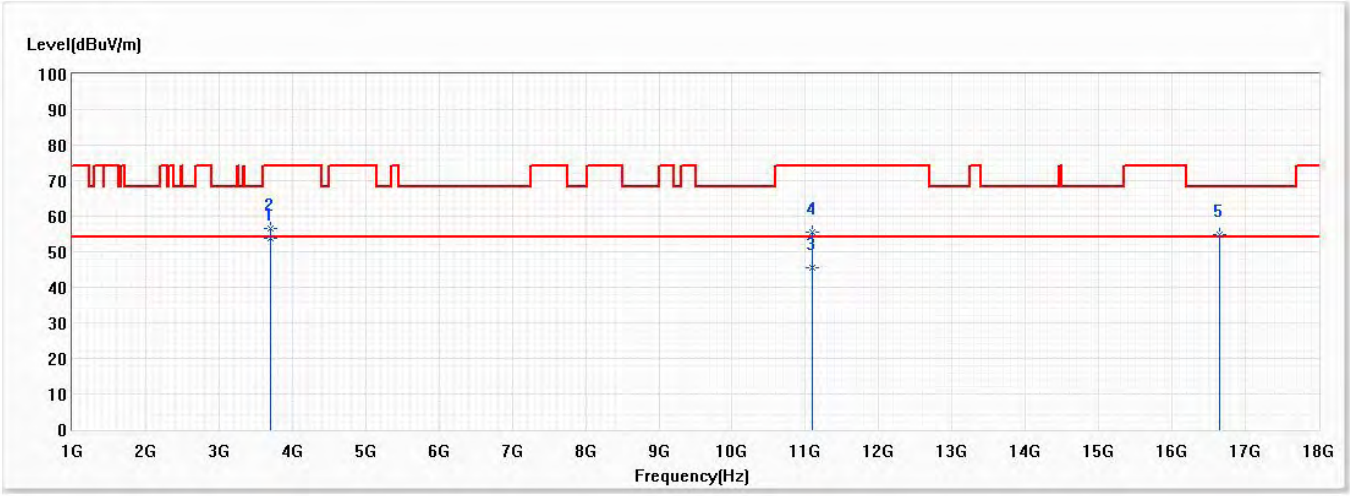


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3673.700	52.73	74.00	-21.27	68.95	-16.22	PK
* 2	11020.000	41.61	54.00	-12.39	39.69	1.92	AV
3	11020.000	54.54	74.00	-19.46	52.62	1.92	PK
4	16530.000	54.90	68.20	-13.30	51.37	3.53	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 110,5.55G,BW40M	Humidity (%RH)	58.0

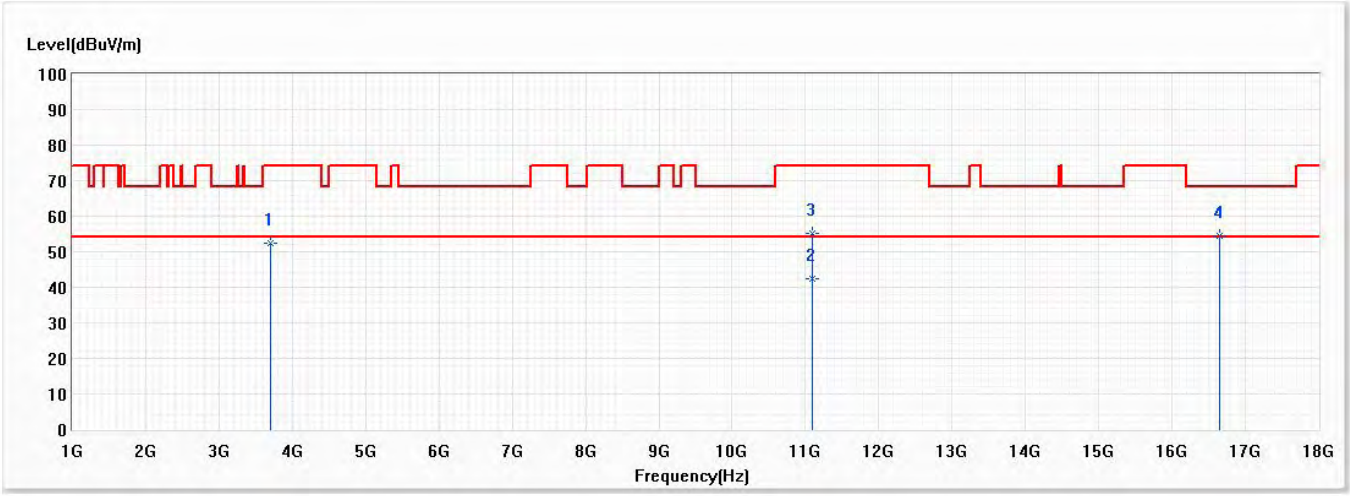


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3700.600	53.69	54.00	-0.31	69.81	-16.12	AV
2	3700.600	56.49	74.00	-17.51	72.61	-16.12	PK
3	11100.000	45.67	54.00	-8.33	43.62	2.05	AV
4	11100.000	55.37	74.00	-18.63	53.32	2.05	PK
5	16650.000	54.66	68.20	-13.54	50.84	3.82	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 110,5.55G,BW40M	Humidity (%RH)	58.0

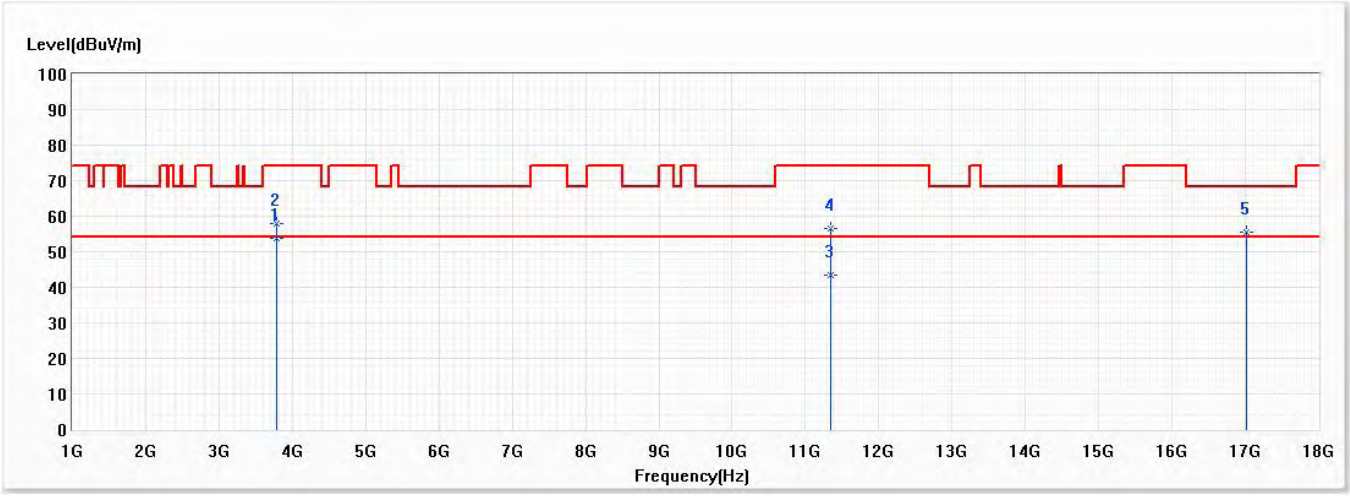


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3700.600	52.40	74.00	-21.60	68.52	-16.12	PK
* 2	11100.000	42.33	54.00	-11.67	40.28	2.05	AV
3	11100.000	55.25	74.00	-18.75	53.20	2.05	PK
4	16650.000	54.33	68.20	-13.87	50.51	3.82	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.1
Test Condition	802.11n,Ch 134,5.67G,BW40M	Humidity (%RH)	58.0

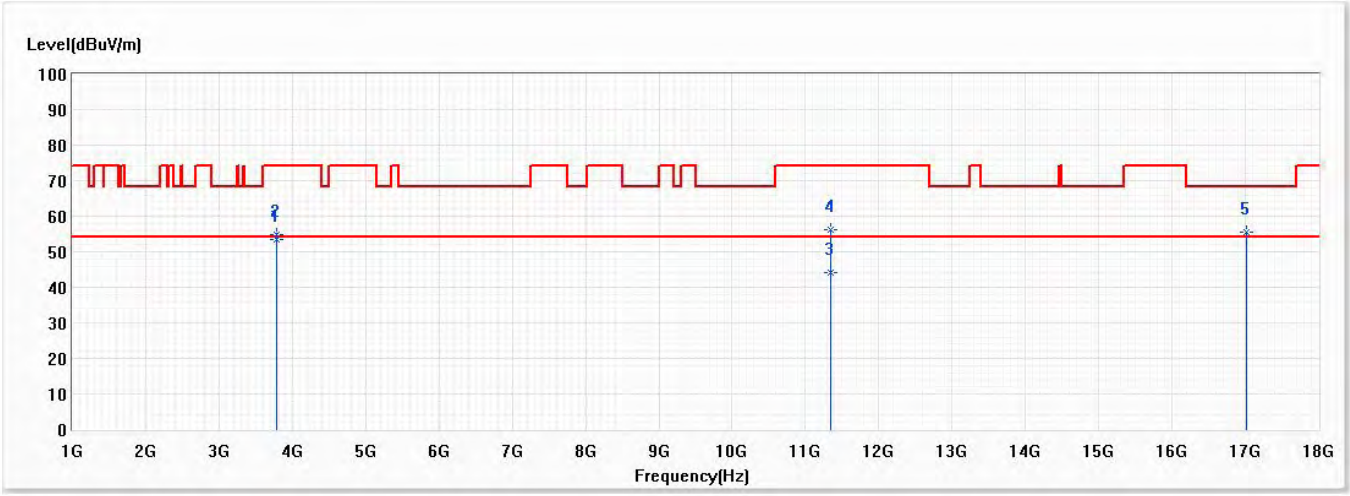


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3780.080	53.90	54.00	-0.10	69.75	-15.85	AV
2	3780.080	57.77	74.00	-16.23	73.62	-15.85	PK
3	11340.000	43.34	54.00	-10.66	40.88	2.46	AV
4	11340.000	56.48	74.00	-17.52	54.02	2.46	PK
5	17010.000	55.62	68.20	-12.58	50.90	4.72	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/11/5
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.1
Test Condition	802.11n,Ch 134,5.67G,BW40M	Humidity (%RH)	58.0



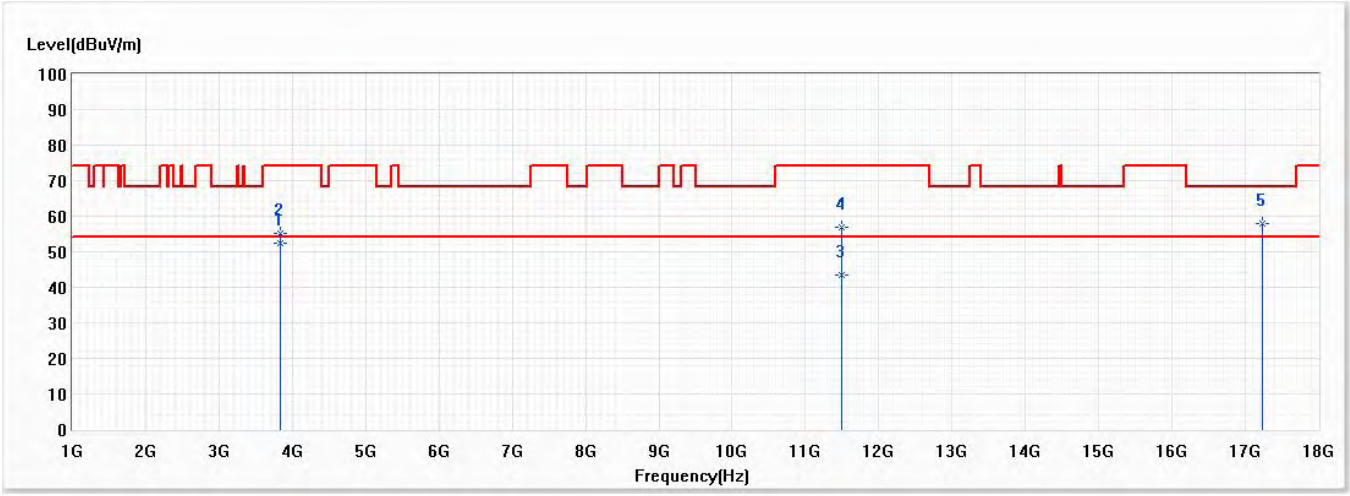
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3780.027	53.51	54.00	-0.49	69.36	-15.85	AV
2	3780.027	54.66	74.00	-19.34	70.51	-15.85	PK
3	11340.000	44.25	54.00	-9.75	41.79	2.46	AV
4	11340.000	56.11	74.00	-17.89	53.65	2.46	PK
5	17010.000	55.55	68.20	-12.65	50.83	4.72	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Profile Name : 2090185R 啟碁

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 149,5.745G,BW20M	Humidity (%RH)	57.0

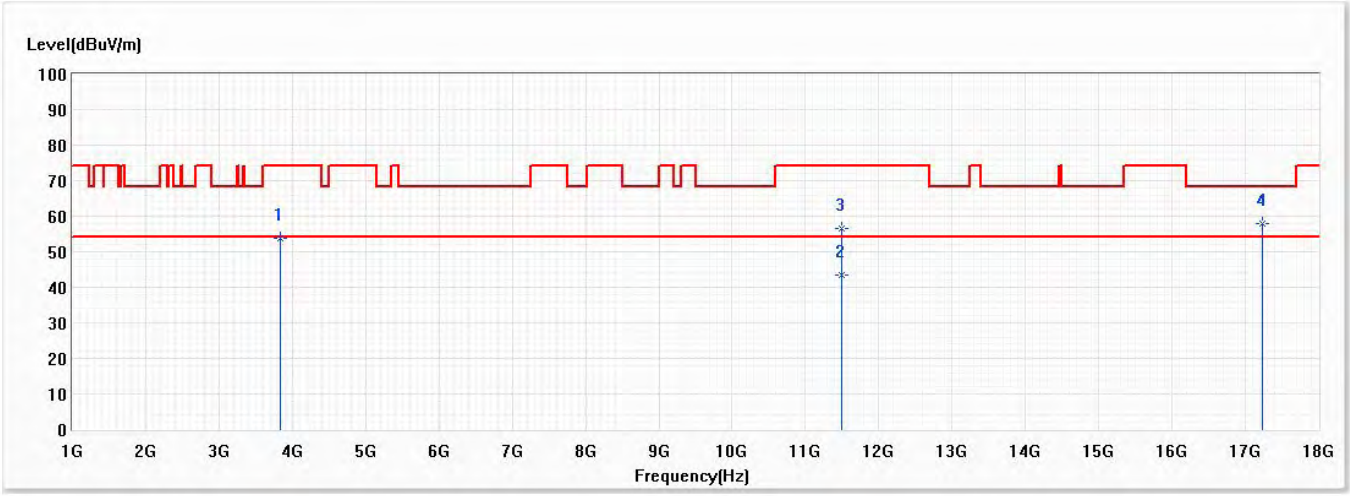


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3830.000	52.57	54.00	-1.43	57.24	-4.67	AV
2	3830.000	55.08	74.00	-18.92	59.75	-4.67	PK
3	11490.000	43.42	54.00	-10.58	28.91	14.51	AV
4	11490.000	57.01	74.00	-16.99	42.50	14.51	PK
5	17235.000	57.92	68.20	-10.28	41.19	16.73	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 149,5.745G,BW20M	Humidity (%RH)	57.0

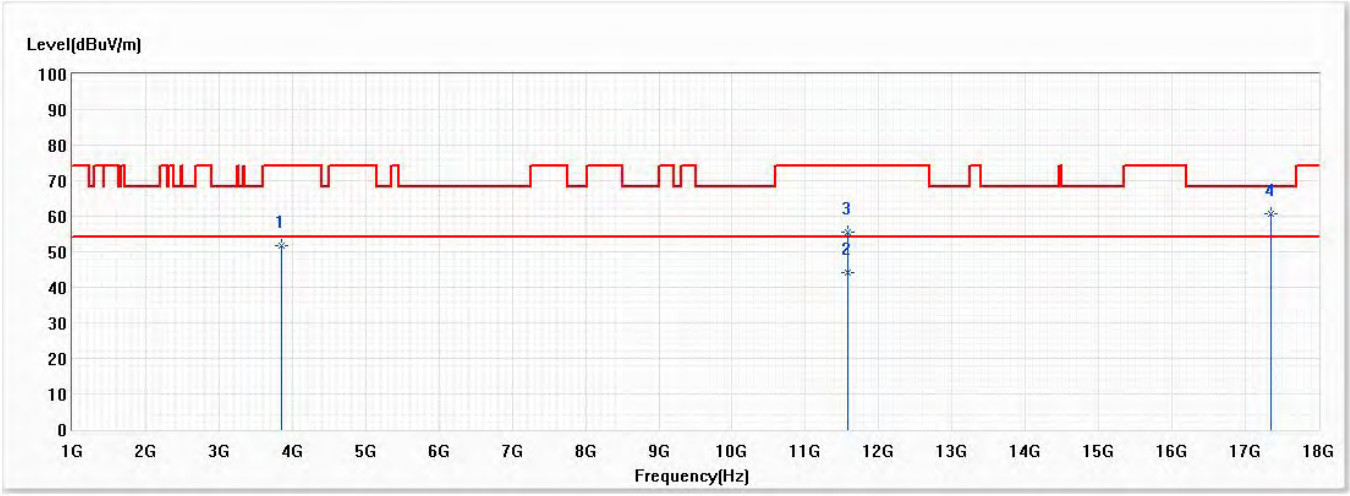


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3830.000	53.88	74.00	-20.12	58.55	-4.67	PK
2	11490.000	43.28	54.00	-10.72	28.77	14.51	AV
3	11490.000	56.70	74.00	-17.30	42.19	14.51	PK
* 4	17235.000	57.82	68.20	-10.38	41.09	16.73	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 157,5.785G,BW20M	Humidity (%RH)	57.0

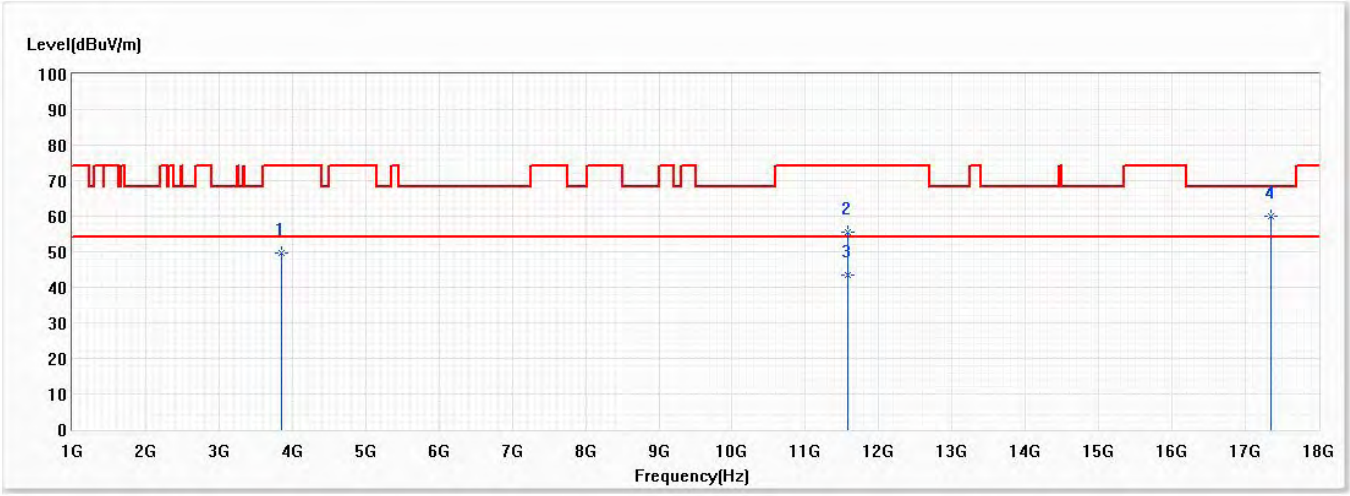


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3857.100	51.66	74.00	-22.34	56.24	-4.58	PK
2	11570.000	44.10	54.00	-9.90	29.72	14.38	AV
3	11570.000	55.66	74.00	-18.34	41.28	14.38	PK
* 4	17355.000	60.55	68.20	-7.65	42.90	17.65	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 157,5.785G,BW20M	Humidity (%RH)	57.0

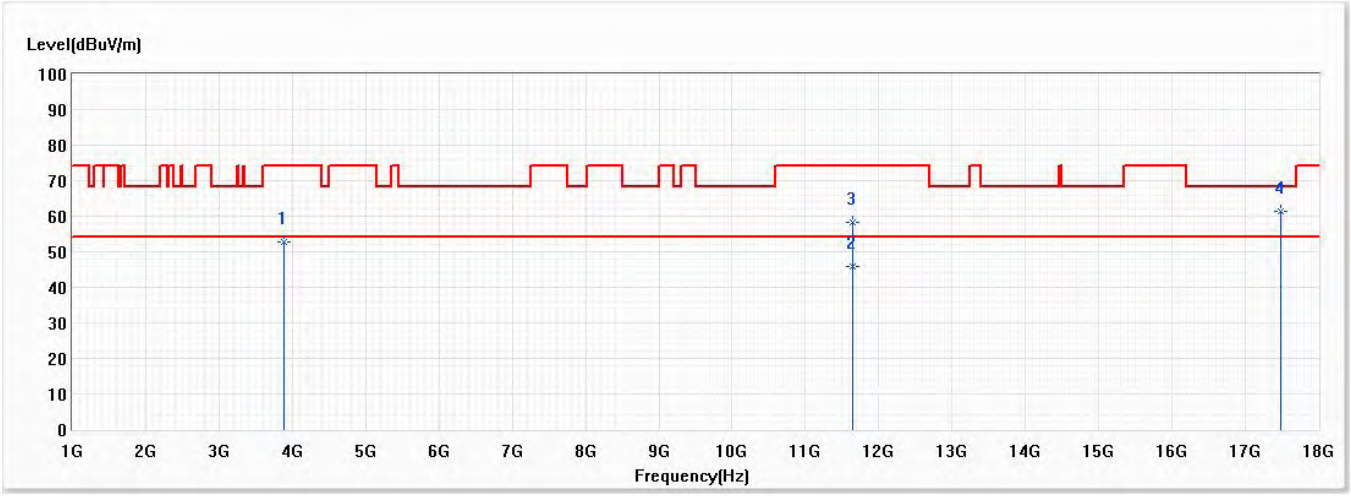


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3857.100	49.63	74.00	-24.37	54.21	-4.58	PK
2	11570.000	55.44	74.00	-18.56	41.06	14.38	PK
3	11570.000	43.55	54.00	-10.45	29.17	14.38	AV
* 4	17355.000	60.15	68.20	-8.05	42.50	17.65	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11a,Ch 165,5.825G,BW20M	Humidity (%RH)	57.0

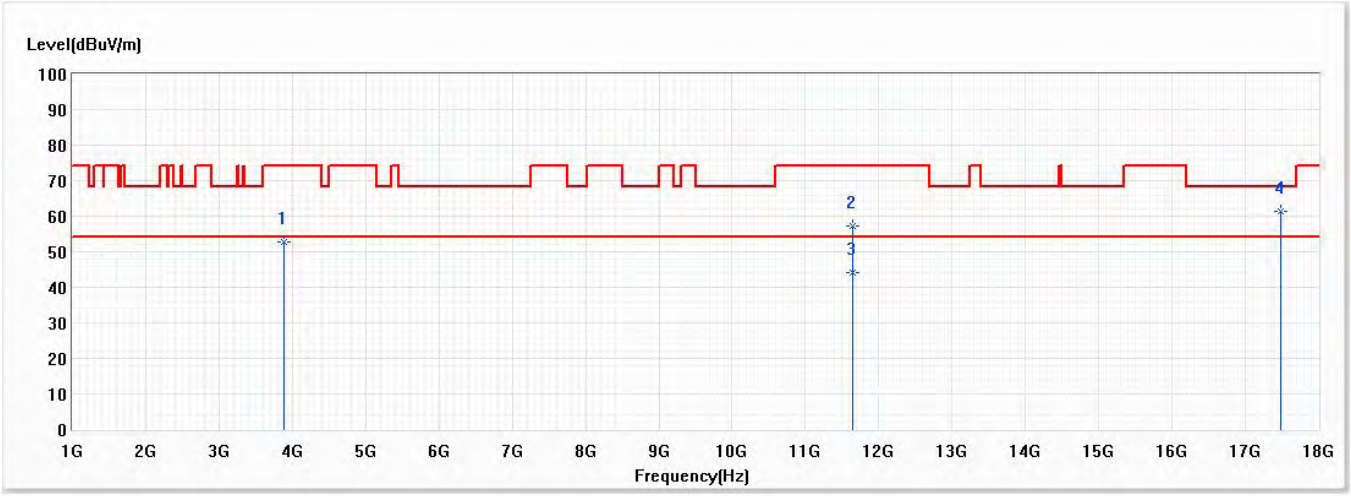


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3883.000	52.59	74.00	-21.41	57.07	-4.48	PK
2	11650.000	45.88	54.00	-8.12	31.65	14.23	AV
3	11650.000	58.15	74.00	-15.85	43.92	14.23	PK
* 4	17475.000	61.53	68.20	-6.67	42.96	18.57	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/29
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11a,Ch 165,5.825G,BW20M	Humidity (%RH)	57.0

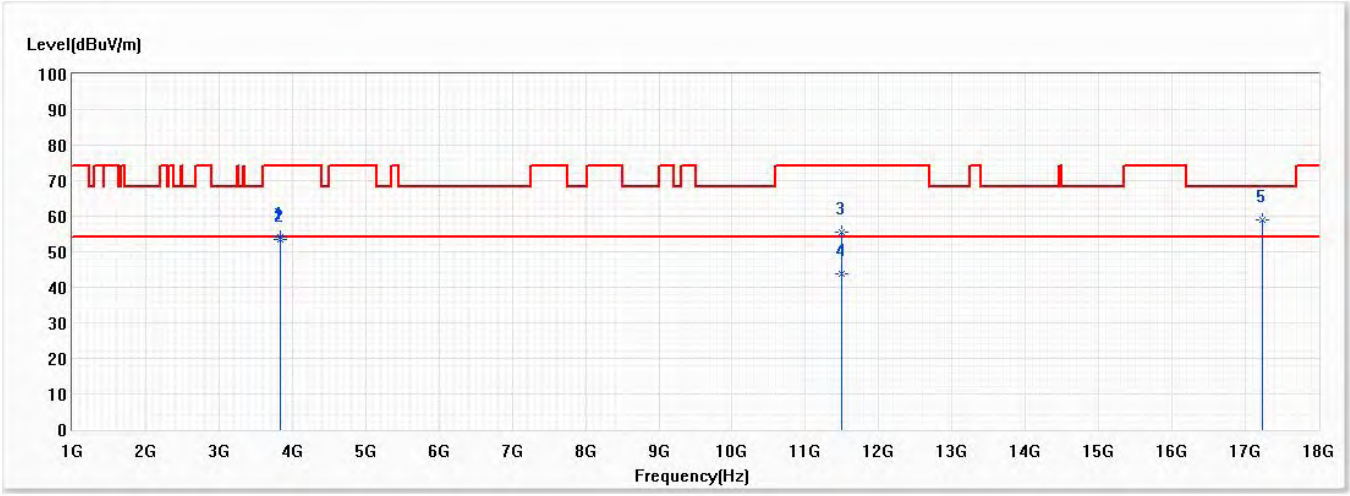


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3883.000	52.72	74.00	-21.28	57.20	-4.48	PK
2	11650.000	57.11	74.00	-16.89	42.88	14.23	PK
3	11650.000	44.25	54.00	-9.75	30.02	14.23	AV
* 4	17475.000	61.55	68.20	-6.65	42.98	18.57	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 149,5.745G,BW20M	Humidity (%RH)	57.0

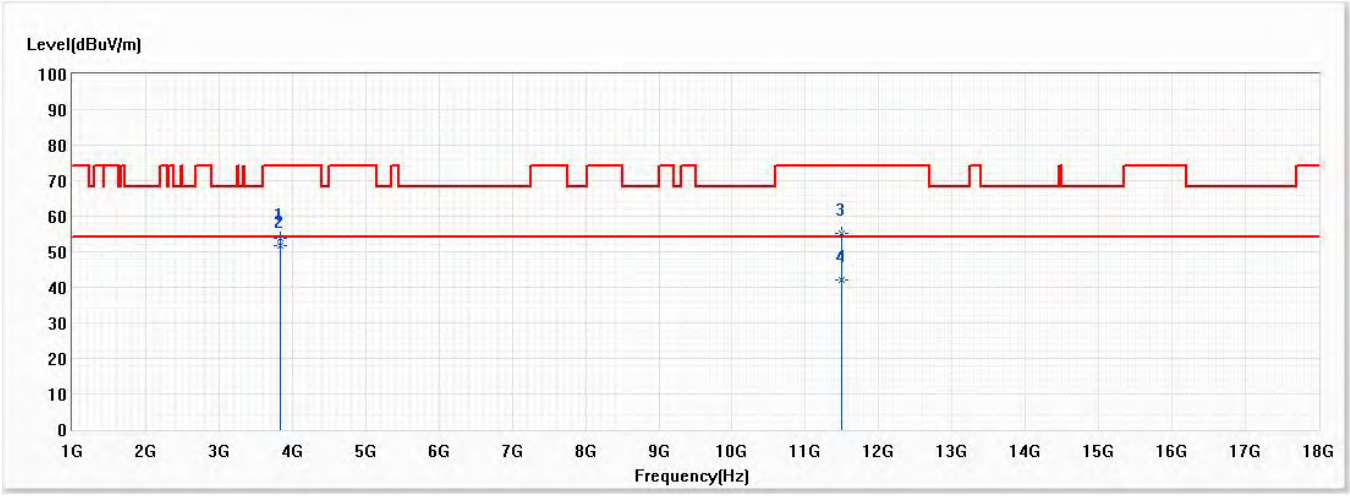


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3830.100	54.22	74.00	-19.78	58.89	-4.67	PK
* 2	3830.100	53.40	54.00	-0.60	58.07	-4.67	AV
3	11490.000	55.44	74.00	-18.56	40.93	14.51	PK
4	11490.000	43.88	54.00	-10.12	29.37	14.51	AV
5	17235.000	58.90	68.20	-9.30	42.17	16.73	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 149,5.745G,BW20M	Humidity (%RH)	57.0

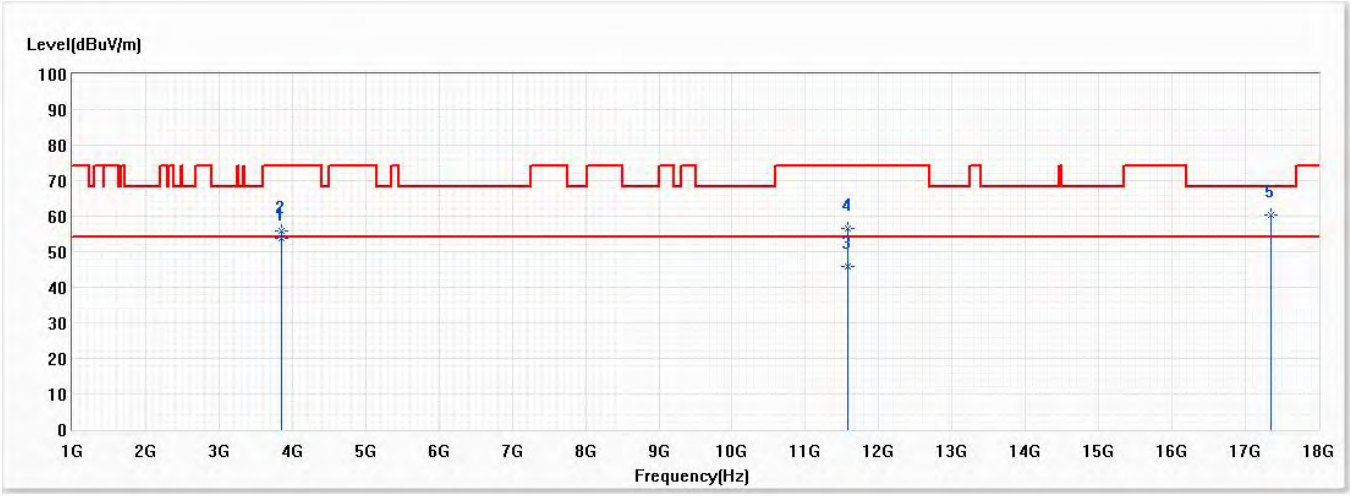


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3830.100	53.77	74.00	-20.23	58.44	-4.67	PK
* 2	3830.100	51.89	54.00	-2.11	56.56	-4.67	AV
3	11490.000	55.10	74.00	-18.90	40.59	14.51	PK
4	11490.000	42.11	54.00	-11.89	27.60	14.51	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 157,5.785G,BW20M	Humidity (%RH)	57.0

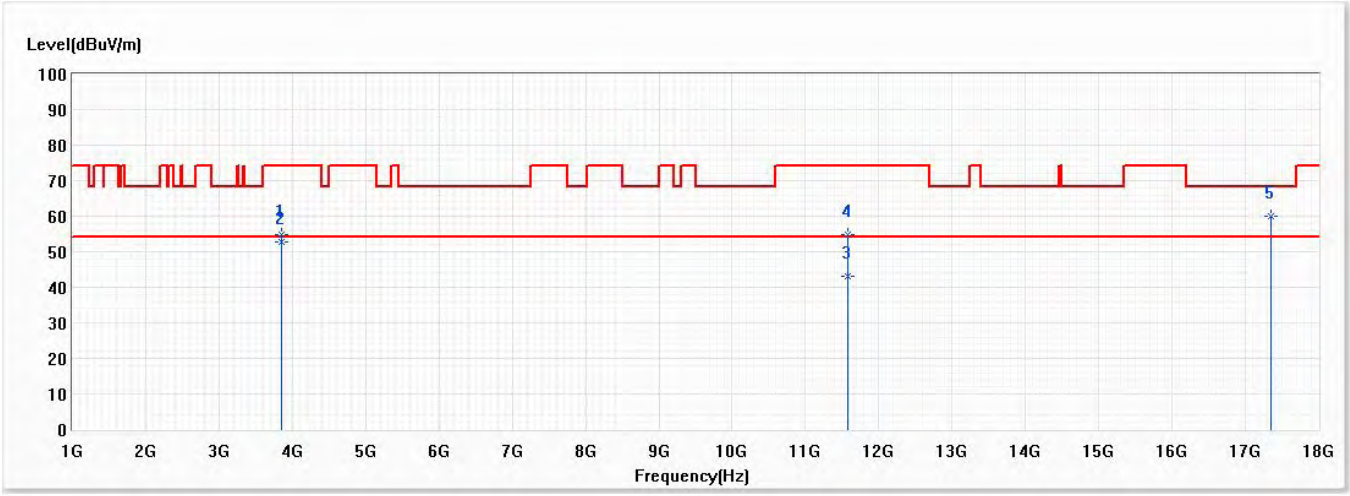


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3856.100	53.66	54.00	-0.34	58.24	-4.58	AV
2	3856.100	55.73	74.00	-18.27	60.31	-4.58	PK
3	11570.000	45.77	54.00	-8.23	31.39	14.38	AV
4	11570.000	56.54	74.00	-17.46	42.16	14.38	PK
5	17355.000	60.29	68.20	-7.91	42.64	17.65	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 157,5.785G,BW20M	Humidity (%RH)	57.0

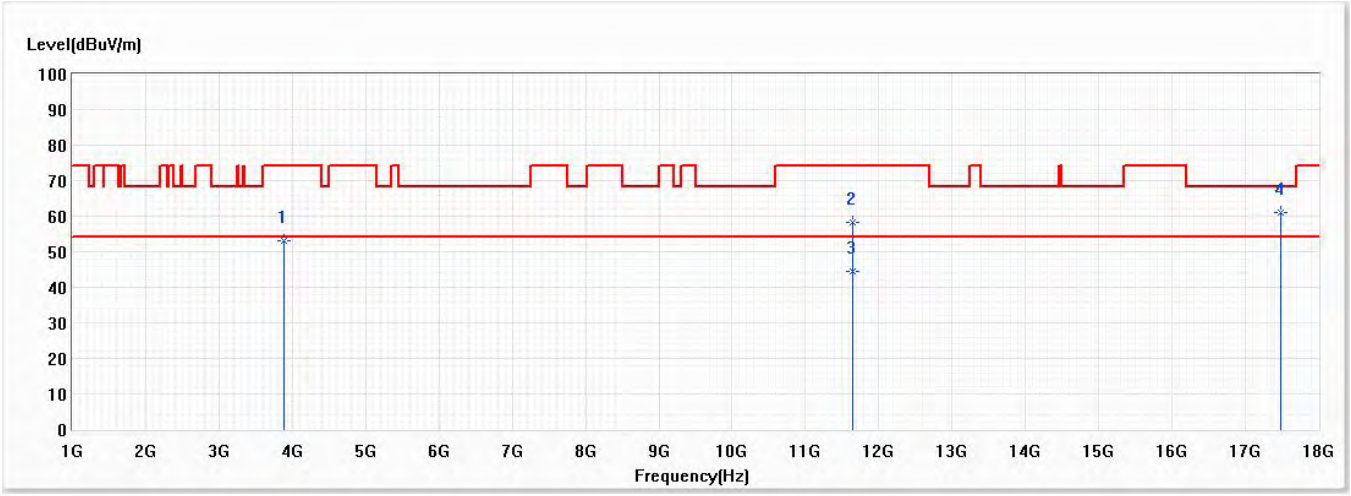


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	3856.100	54.77	74.00	-19.23	59.35	-4.58	PK
* 2	3856.600	52.78	54.00	-1.22	57.36	-4.58	AV
3	11570.000	43.20	54.00	-10.80	28.82	14.38	AV
4	11570.000	54.88	74.00	-19.12	40.50	14.38	PK
5	17355.000	60.15	68.20	-8.05	42.50	17.65	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 165,5.825G,BW20M	Humidity (%RH)	57.0

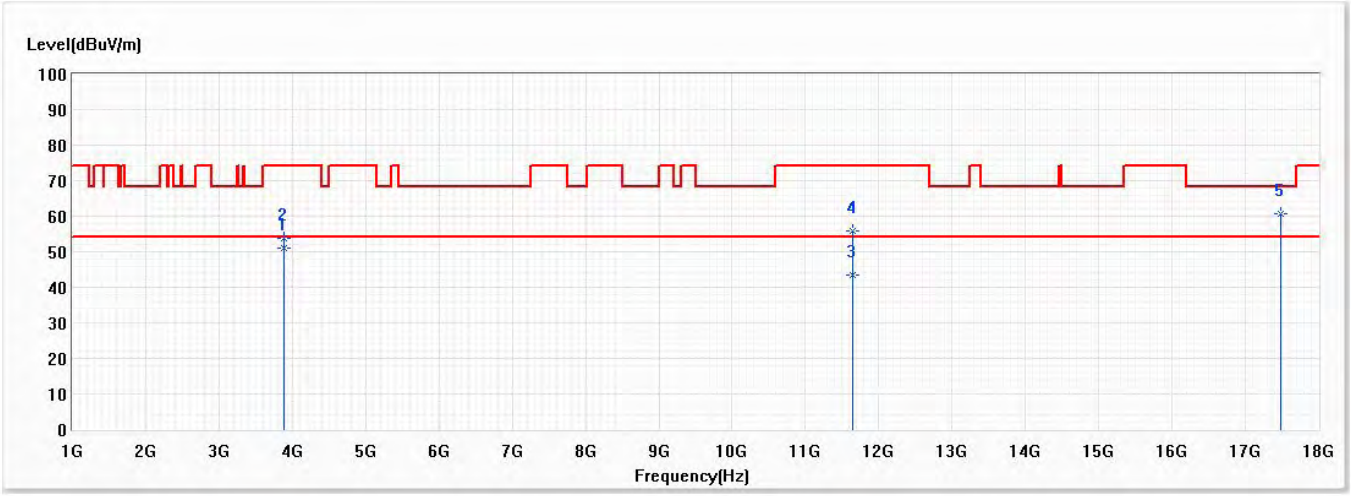


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3883.300	53.18	54.00	-0.82	57.66	-4.48	AV
2	11650.000	58.15	74.00	-15.85	43.92	14.23	PK
3	11650.000	44.56	54.00	-9.44	30.33	14.23	AV
4	17475.000	61.13	68.20	-7.07	42.56	18.57	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 165,5.825T,BW20M	Humidity (%RH)	57.0

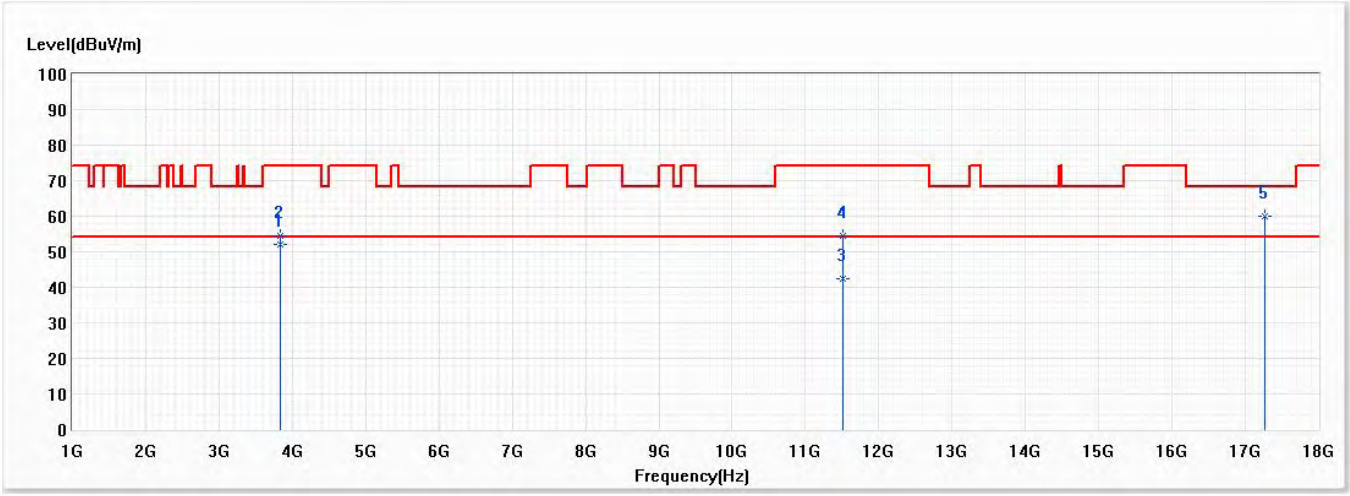


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3883.300	51.11	54.00	-2.89	55.59	-4.48	AV
2	3883.300	53.88	74.00	-20.12	58.36	-4.48	PK
3	11650.000	43.39	54.00	-10.61	29.16	14.23	AV
4	11650.000	55.85	74.00	-18.15	41.62	14.23	PK
5	17475.000	60.58	68.20	-7.62	42.01	18.57	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 151,5.755G,BW40M	Humidity (%RH)	57.0

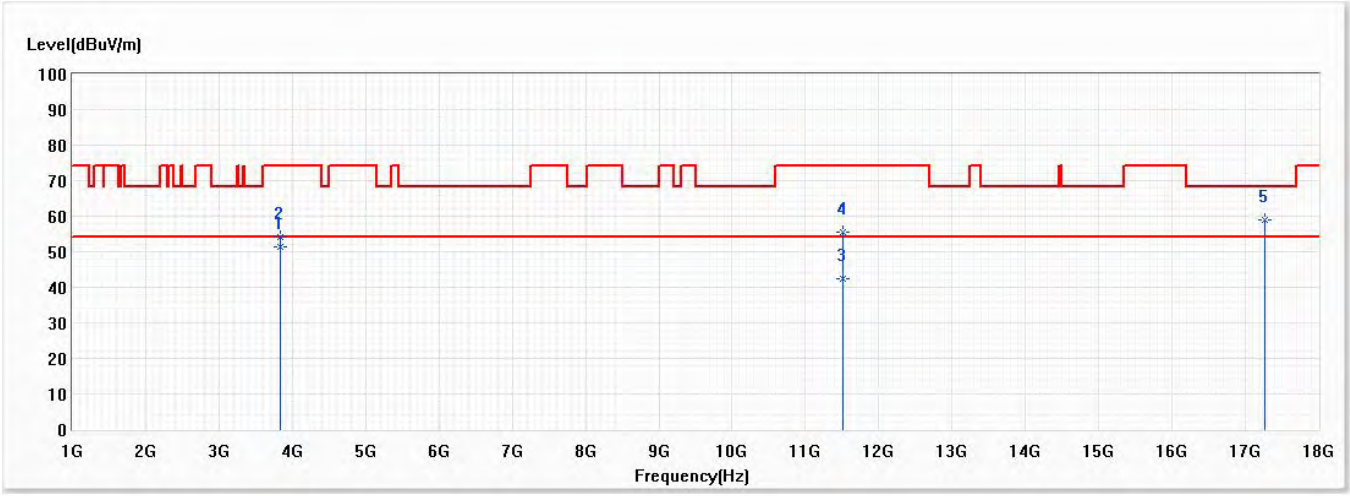


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3836.800	52.20	54.00	-1.80	56.85	-4.65	AV
2	3836.800	54.37	74.00	-19.63	59.02	-4.65	PK
3	11510.000	42.55	54.00	-11.45	28.05	14.50	AV
4	11510.000	54.58	74.00	-19.42	40.08	14.50	PK
5	17265.000	60.15	68.20	-8.05	43.19	16.96	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 151,5.755G,BW40M	Humidity (%RH)	57.0

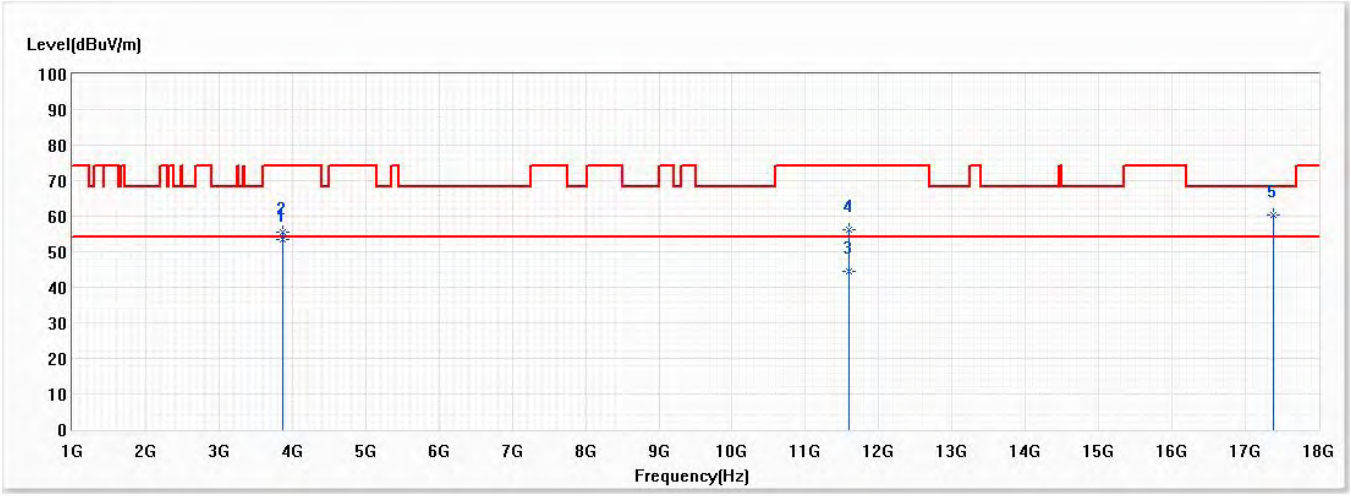


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3836.710	51.33	54.00	-2.67	55.98	-4.65	AV
2	3836.710	54.22	74.00	-19.78	58.87	-4.65	PK
3	11510.000	42.44	54.00	-11.56	27.94	14.50	AV
4	11510.000	55.63	74.00	-18.37	41.13	14.50	PK
5	17265.000	59.10	68.20	-9.10	42.14	16.96	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Horizontal	Temperature (℃)	25.5
Test Condition	802.11n,Ch 159,5.795G,BW40M	Humidity (%RH)	57.0

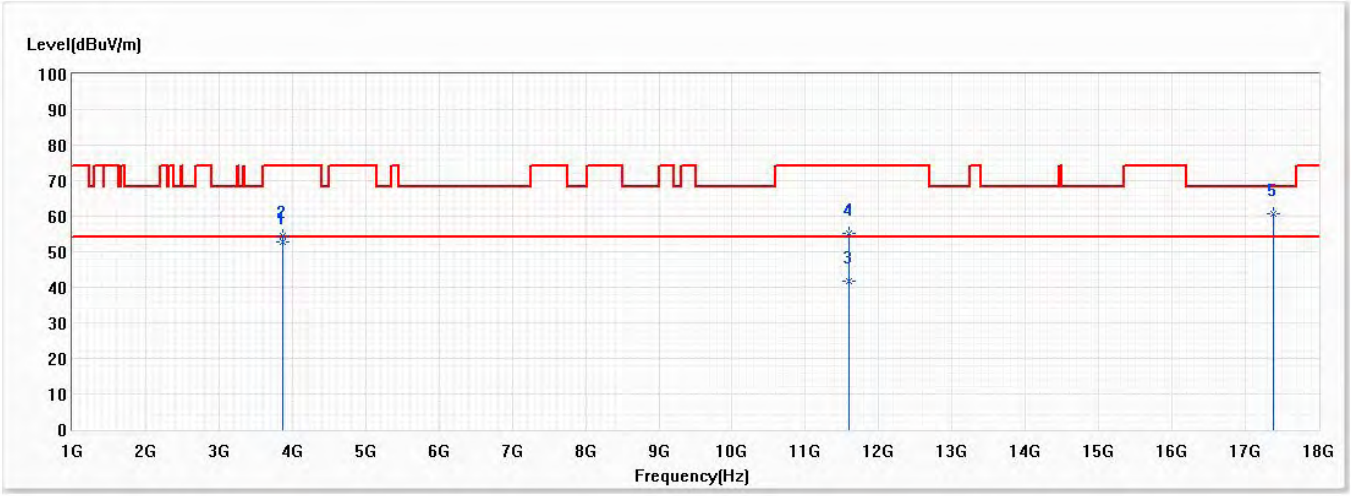


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3863.600	53.42	54.00	-0.58	57.97	-4.55	AV
2	3863.600	55.51	74.00	-18.49	60.06	-4.55	PK
3	11590.000	44.35	54.00	-9.65	30.01	14.34	AV
4	11590.000	56.24	74.00	-17.76	41.90	14.34	PK
5	17385.000	60.27	68.20	-7.93	42.40	17.87	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.

Model No	Hex Sense	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2020/10/31
Test Mode	Mode 1: Transmit Mode	Engineer	Scott Chang
Polarity	Vertical	Temperature (℃)	25.5
Test Condition	802.11n,Ch 159,5.795G,BW40M	Humidity (%RH)	57.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	3863.600	52.86	54.00	-1.14	57.41	-4.55	AV
2	3863.600	54.52	74.00	-19.48	59.07	-4.55	PK
3	11590.000	41.85	54.00	-12.15	27.51	14.34	AV
4	11590.000	55.08	74.00	-18.92	40.74	14.34	PK
5	17385.000	60.67	68.20	-7.53	42.80	17.87	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission above 18GHz were not included is because their levels are lower than 20dB from limit.