

TEST REPORT

Product Name : Infrared thermal imager
Brand Mark : Hti
Model No. : HT-A2+
FCC ID : 2AVBO-HT-A2
Report Number : BLA-EMC-202311-A2102
Date of Sample Receipt : 2023/11/7
Date of Test : 2023/11/9 to 2023/11/15
Date of Issue : 2023/11/15
Test Standard : 47 CFR Part 15, Subpart C 15.247
Test Result : Pass

Prepared for:

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Date:

2023/11/15



REPORT REVISE RECORD

Version No.	Date	Description
00	2023/11/15	Original

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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.5 & Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(1) & 15.247(b)(3)	Pass
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass

2 GENERAL INFORMATION

Applicant	Dongguan Xintai Instrument Co.,Ltd
Address	Room 201, Building 16, # 3, Yongtai Road, Tangxia Town, Dongguan City , Guangdong Province, China, 523710.
Manufacturer	Dongguan Xintai Instrument Co.,Ltd
Address	Room 201, Building 16, # 3, Yongtai Road, Tangxia Town, Dongguan City , Guangdong Province, China, 523710.
Factory	N/A
Address	N/A
Product Name	Infrared thermal imager
Test Model No.	HT-A2+

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	V1.0
Software Version	V1.0
Engineer sample no:	BLA-EMC-202311-A21
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz 802.11n(HT40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Channel Spacing:	5MHz
Number of Channels:	802.11b/g/n(HT20):11 802.11n(HT40):7
Antenna Type:	PCB Antenna
Antenna gain:	Antenna:-0.5dBi
Remark:The Antenna Gain is supplied by the customer.BlueAsia is not responsible for this data	

4 OPERATION FREQUENCY EACH OF CHANNEL

Operation Frequency each of channel(802.11b/g/n HT20)					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	5	2432MHz	9	2452MHz
2	2417MHz	6	2437MHz	10	2457MHz
3	2422MHz	7	2442MHz	11	2462MHz
4	2427MHz	8	2447MHz	--	--

Operation Frequency each of channel(802.11n HT40)					
Channel	Frequency	Channel	Frequency	Channel	Frequency
3	2422MHz	7	2442MHz	--	--
4	2427MHz	8	2447MHz	--	--
5	2432MHz	9	2452MHz	--	--
6	2437MHz	--	--	--	--

For 802.11b/g/n (HT20), the lowest, middle, highest channel numbers of the EUT used and tested in this report are separately 1 (2412MHz), 6 (2437MHz) and 11 (2462MHz); 802.11n HT40, the lowest, middle, highest channel numbers of the EUT used and tested in this report are separately 3 (2422MHz), 6 (2437MHz) and 9 (2452MHz).

5 TEST ENVIRONMENT

Environment	Temperature	Voltage
Normal	25℃	DC 3.7V

6 TEST MODE

TEST MODE	TEST MODE DESCRIPTION
Transmitting mode	Keep the EUT in continuously transmitting mode with modulation. (Duty cycle>98%)
Remark: Only the data of the worst mode would be recorded in this report.	

7 MEASUREMENT UNCERTAINTY

Parameter	Expanded Uncertainty (Confidence of 95%)
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±1.5 dB
Power Spectral Density, conducted	±3.0 dB
Unwanted Emissions, conducted	±3.0 dB
Temperature	±3 °C
Supply voltages	±3 %
Time	±5 %
Radiated Emission(9kHz-30MHz)	±4.34dB
AC Power Line Conducted Emission(150kHz-30MHz)	±3.45dB
Unwanted Radiated Emission (30MHz ~ 1000MHz)	±4.35 dB
Unwanted Radiated Emission (1GHz ~ 18GHz)	±4.44 dB

8 DESCRIPTION OF SUPPORT UNIT

Device Type	Manufacturer	Model Name	Serial No.	Remark
PC	lenovo	E460C	N/A	From lab (No.BLA-ZC-BS-2022005)

9 LABORATORY LOCATION

All tests were performed at:

BlueAsia of Technical Services(Shenzhen) Co., Ltd.

Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China

Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673

No tests were sub-contracted.

10 TEST INSTRUMENTS LIST

Test Equipment Of Radiated Spurious Emissions					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber 1	SKET	966	N/A	2020/11/10	2024/11/9
Chamber 2	SKET	966	N/A	2021/07/20	2024/11/9
Spectrum	R&S	FSP40	100817	2023/08/30	2024/08/29
Receiver	R&S	ESR7	101199	2023/08/30	2024/08/29
Receiver	R&S	ESPI7	101477	2023/07/07	2024/07/06
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	2022/10/12	2025/10/11
Horn Antenna	Schwarzbeck	BBHA9120D	01892 P:00331	2022/09/13	2025/09/12
Horn Antenna	Schwarzbeck	BBHA 9170	1106	2022/04/24	2024/04/23
Amplifier	SKET	LNPA_30M01G-30	SK2021060801	2023/07/07	2024/07/06
Amplifier	SKET	PA-000318G-45	N/A	2023/08/30	2024/08/29
Amplifier	SKET	LNPA_18G40G-50	SK2022071301	2023/07/14	2024/07/13
Filter group	SKET	2.4G/5G Filter group r	N/A	2023/07/07	2024/07/06
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	2022/09/14	2025/09/13
1kHz calibration audio source	SKET	MCS-ABT-C35	N/A	2023/09/04	2024/09/03
Free Field Microphone	SKET	MGs MP 663	0414	2023/09/04	2024/09/03
Audio shielding box	SKET	SB-ABT-C35	N/A	2023/03/30	2024/03/29
Controller	SKET	N/A	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-02	N/A	N/A	N/A

Coaxial Cable	BlueAsia	BLA-XC-03	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-01	N/A	N/A	N/A
Signal Generator DTV	ECREDIX	DSG-1000	N/A	N/A	N/A

Test Equipment Of Conducted Emissions at AC Power Line (150kHz-30MHz)

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Shield room	SKET	833	N/A	2020/11/25	2024/11/24
Receiver	R&S	ESPI3	101082	2023/08/30	2024/08/29
LISN	R&S	ENV216	3560.6550.15	2023/08/30	2024/08/29
LISN	AT	AT166-2	AKK1806000003	2023/08/30	2024/08/29
ISN	TESEQ	ISNT8-cat6	53580	2023/08/30	2024/08/29
Single-channel vehicle artificial power network	Schwarzbeck	NNBM 8124	01045	2023/07/07	2024/07/06
Single-channel vehicle artificial power network	Schwarzbeck	NNBM 8124	01075	2023/07/07	2024/07/06
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A

Test Equipment Of RF Conducted Test

Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2023/08/30	2024/08/29
Spectrum	Agilent	N9020A	MY49100060	2023/08/30	2024/08/29
Spectrum	Agilent	N9020A	MY54420161	2023/08/30	2024/08/29
Signal Generator	Agilent	N5182A	MY47420955	2023/08/30	2024/08/29
Signal Generator	Agilent	N5181A	MY46240904	2023/07/07	2024/07/06
Signal Generator	R&S	CMW500	132429	2023/08/30	2024/08/29
BluetoothTester	Anritsu	MT8852B	06262047872	2023/08/30	2024/08/29

Power probe	DARE	RPR3006W	14I00889SN042	2023/09/01	2024/08/31
Power detection box	CDKMV	MW100-PSB	MW201020JYT	2023/07/07	2024/07/06
DC Powersupply	zhaoxin	KXN-305D	20K305D1221363	2023/08/30	2024/08/29
DC Powersupply	zhaoxin	RXN-1505D	19R1505D050168	2023/08/30	2024/08/29
2.4GHz/5GHz RF Test software	MTS	MTS 8310	Version 2.0.0.0	N/A	N/A
Audio Analyzer	Audio Precision	ATS-1	ATS141094	2023/07/07	2024/07/06

11 ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	N/A

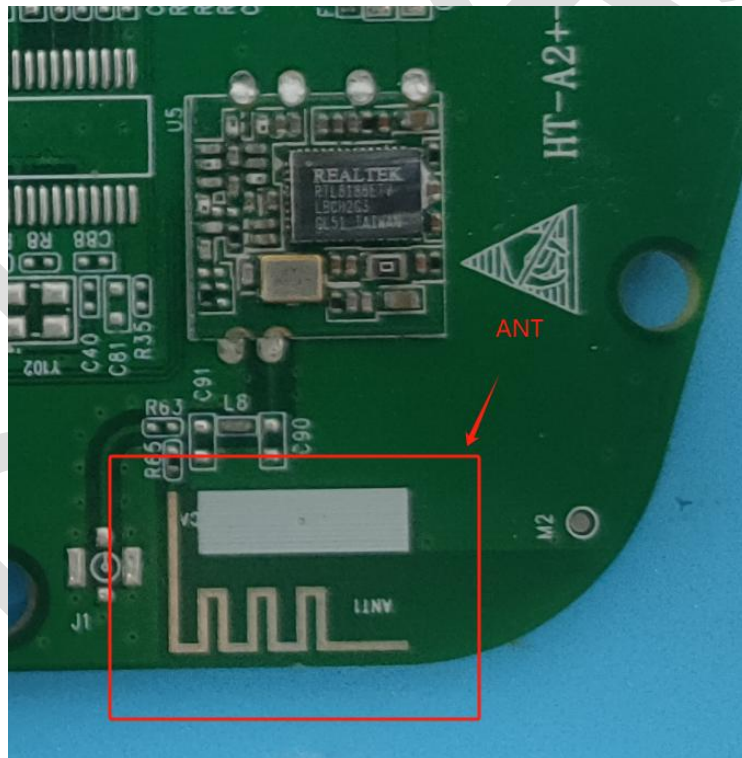
11.1 CONCLUSION

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is -0.5dBi.



12 RADIATED SPURIOUS EMISSIONS

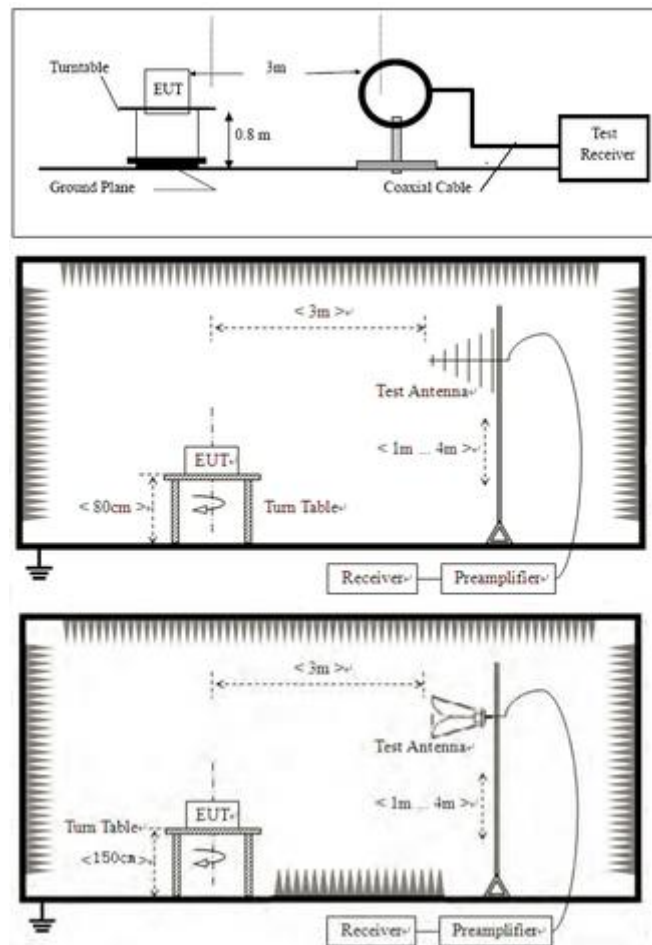
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.4,6.5,6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25℃
Humidity	60%

12.1 LIMITS

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

12.2 BLOCK DIAGRAM OF TEST SETUP



12.3 PROCEDURE

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

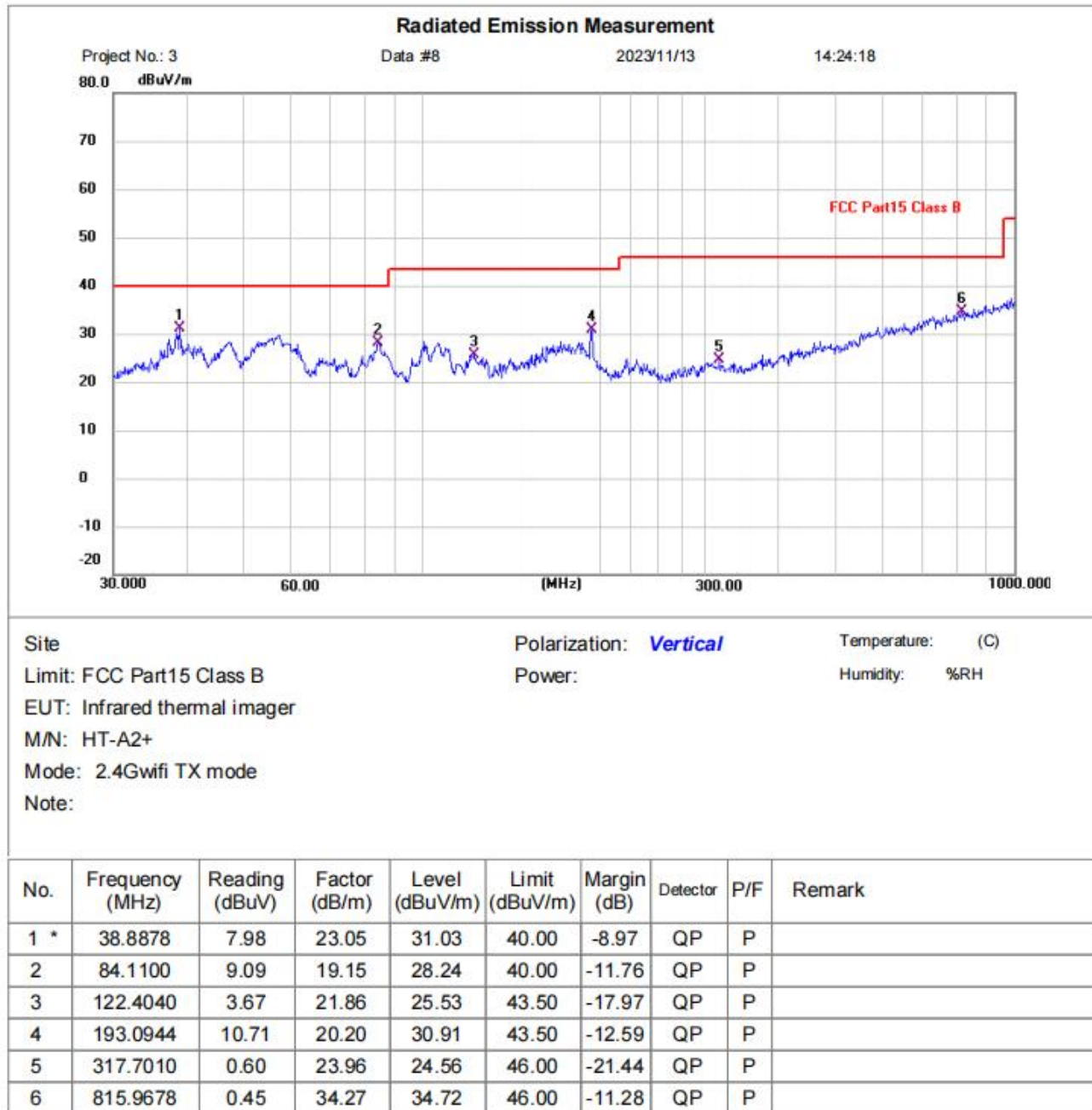
Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. fundamental frequency is blocked by filter, and only spurious emission is shown.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

12.4 TEST DATA

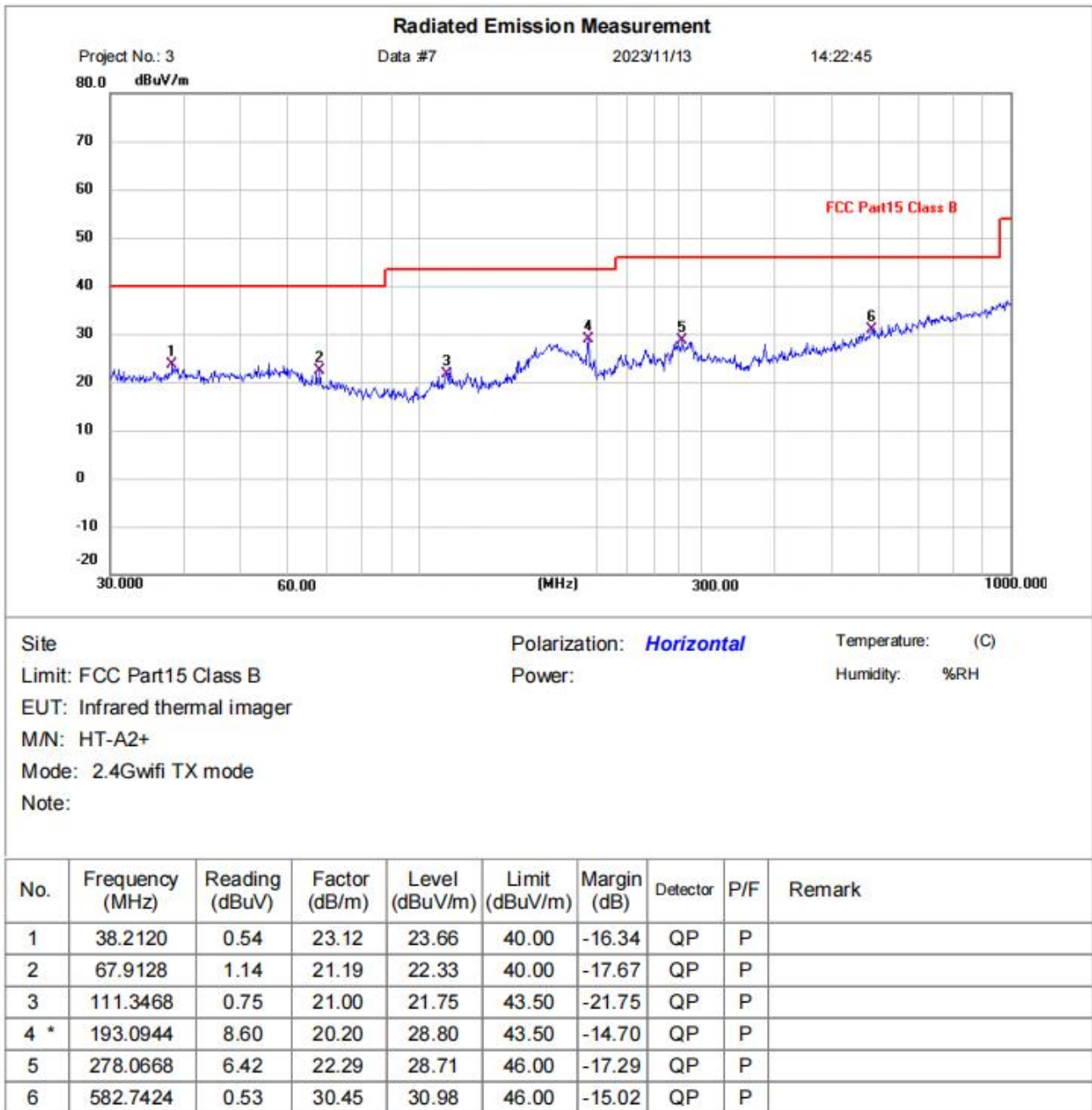
Remark: During the test, pre-scan the 802.11b/g/n mode, and found the 802.11b mode which it is worse case.

[TestMode: TX mode (SE) below 1G]; [Polarity: Vertical]



Test Result: Pass

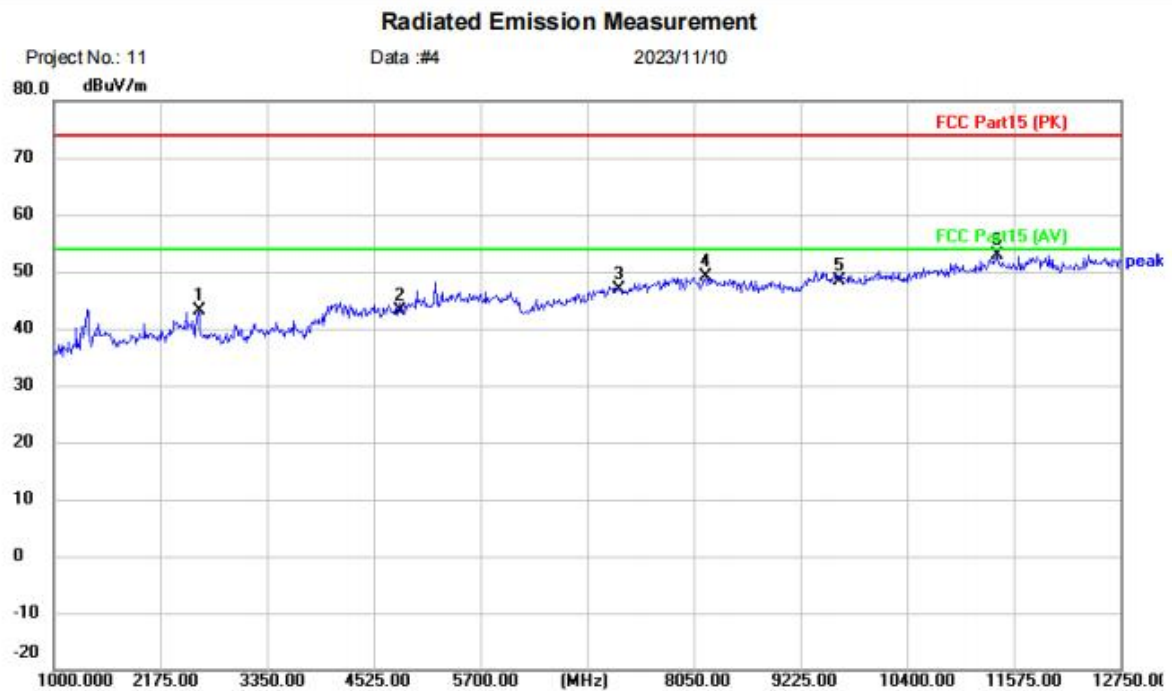
[TestMode: TX mode (SE) below 1G]; [Polarity: Horizontal]



Test Result: Pass

Above 1GHz:

[TestMode: TX B low channel 2412]; [Polarity: Horizontal]

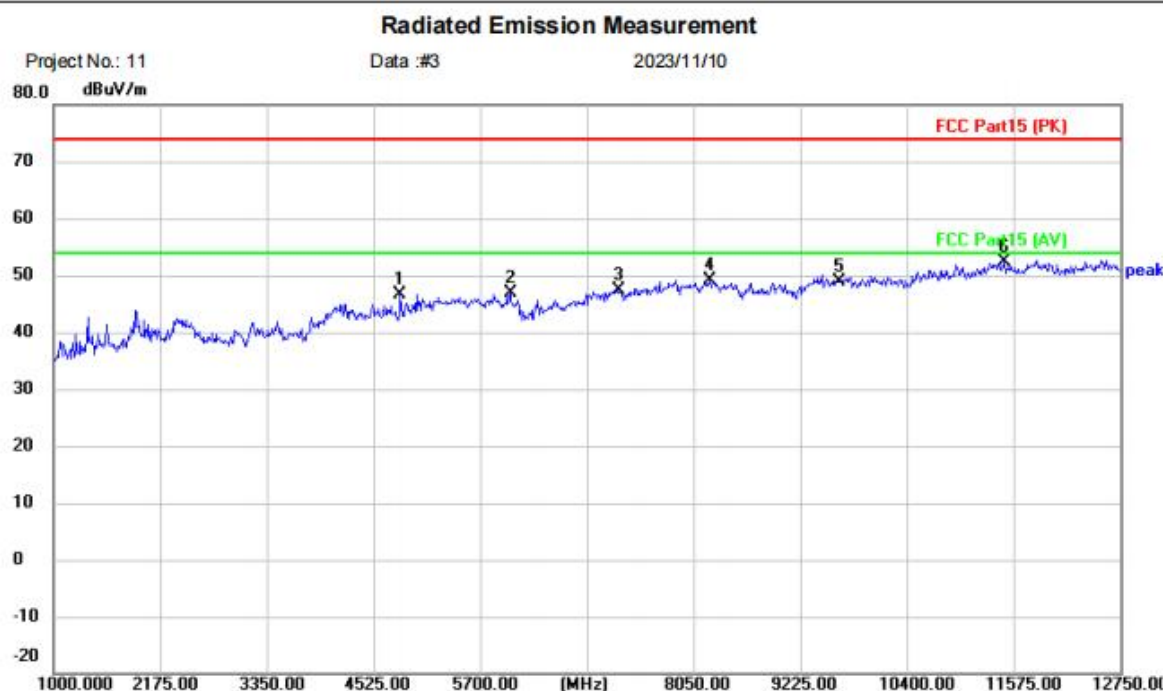


Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11B-TX-L
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2598.000	45.76	-2.74	43.02	74.00	-30.98	peak	
2		4824.000	39.00	4.13	43.13	74.00	-30.87	peak	
3		7236.000	38.79	8.00	46.79	74.00	-27.21	peak	
4		8179.250	40.13	8.98	49.11	74.00	-24.89	peak	
5		9648.000	37.42	11.01	48.43	74.00	-25.57	peak	
6	*	11387.00	39.27	13.63	52.90	74.00	-21.10	peak	

Test Result: Pass

[TestMode: TX B low channel 2412]; [Polarity: Vertical]

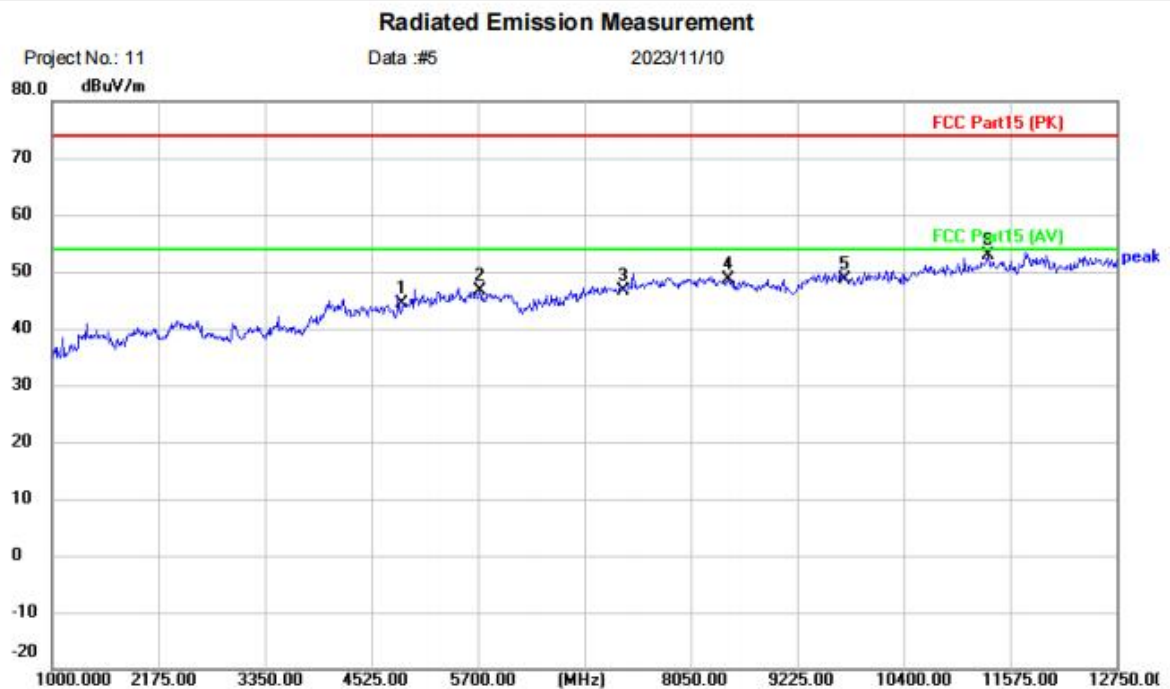


Site: Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11B-TX-L
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4818.750	42.59	4.11	46.70	74.00	-27.30	peak	
2		6029.000	42.75	4.02	46.77	74.00	-27.23	peak	
3		7236.000	39.32	8.00	47.32	74.00	-26.68	peak	
4		8226.250	40.23	9.00	49.23	74.00	-24.77	peak	
5		9648.000	37.78	11.01	48.79	74.00	-25.21	peak	
6	*	11469.25	38.68	13.66	52.34	74.00	-21.66	peak	

Test Result: Pass

[TestMode: TX B mid channel 2437]; [Polarity: Horizontal]



Site Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: Infrared thermal imager

M/N: HT-A2+

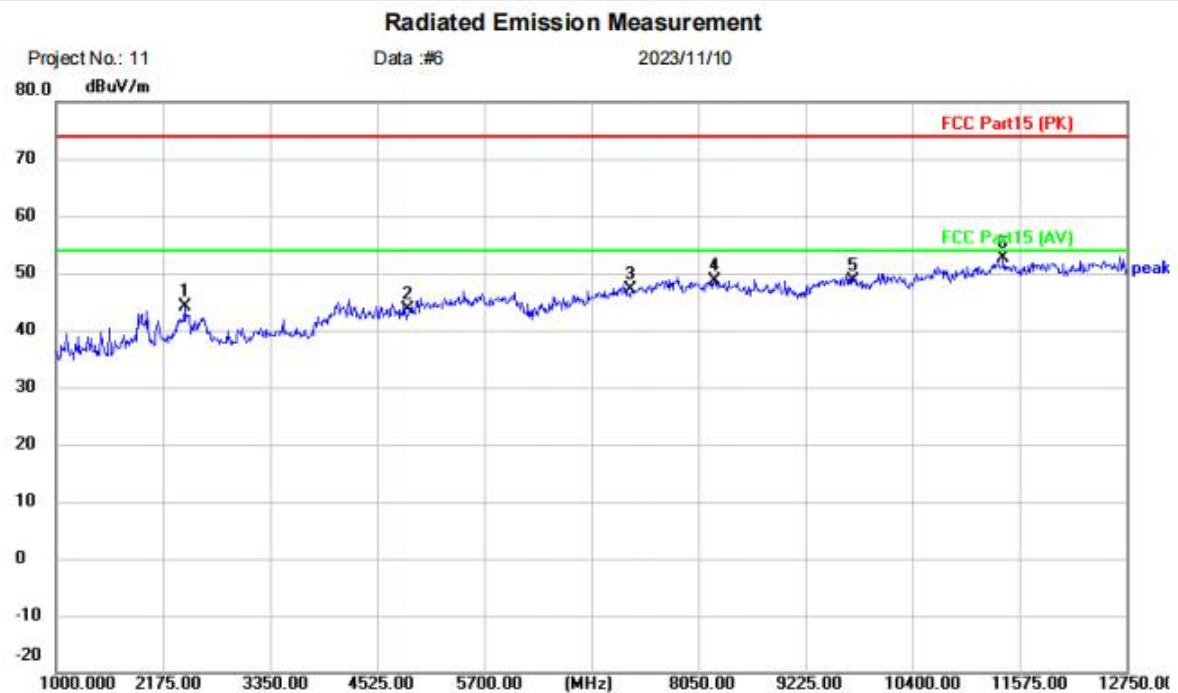
Mode: 2.4GWIFI 11B-TX-M

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	40.04	4.32	44.36	74.00	-29.64	peak	
2		5723.500	39.71	6.80	46.51	74.00	-27.49	peak	
3		7311.000	38.55	8.18	46.73	74.00	-27.27	peak	
4		8461.250	39.44	9.11	48.55	74.00	-25.45	peak	
5		9748.000	37.27	11.26	48.53	74.00	-25.47	peak	
6	*	11328.25	39.20	13.59	52.79	74.00	-21.21	peak	

Test Result: Pass

[TestMode: TX B mid channel 2437]; [Polarity: Vertical]

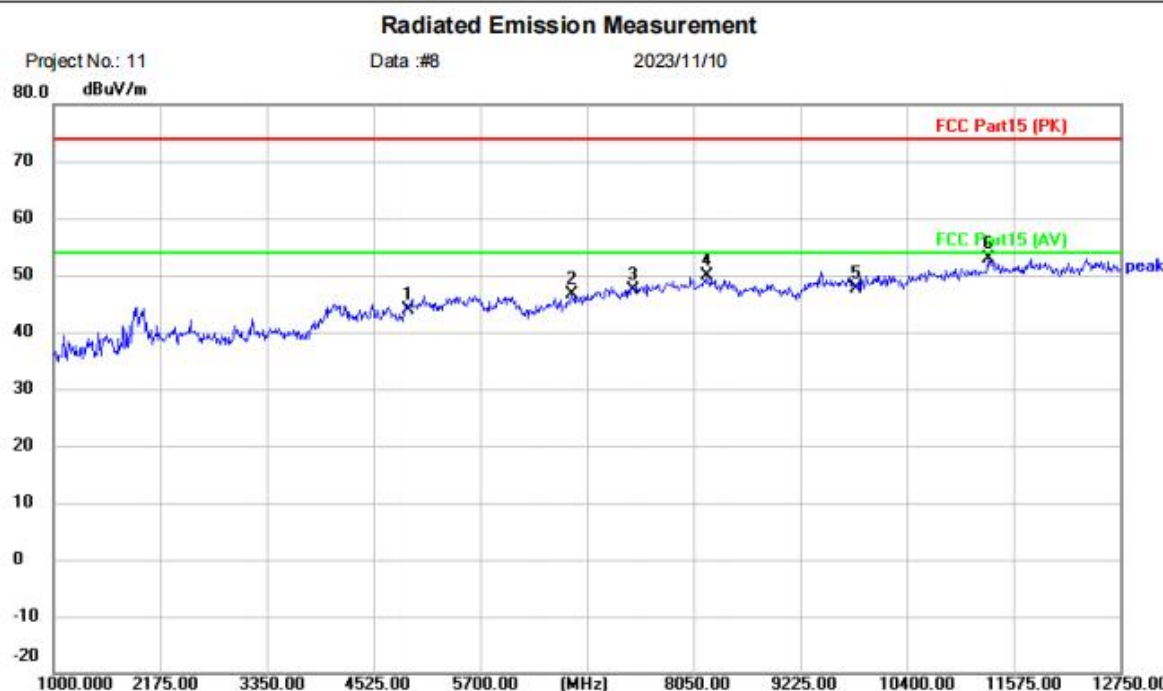


Site Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11B-TX-M
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2410.000	45.29	-1.26	44.03	74.00	-29.97	peak	
2		4874.000	39.32	4.32	43.64	74.00	-30.36	peak	
3		7311.000	39.00	8.18	47.18	74.00	-26.82	peak	
4		8226.250	39.59	9.00	48.59	74.00	-25.41	peak	
5		9748.000	37.27	11.26	48.53	74.00	-25.47	peak	
6	*	11398.75	39.08	13.63	52.71	74.00	-21.29	peak	

Test Result: Pass

[TestMode: TX B high channel 2462]; [Polarity: Vertical]



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: Infrared thermal imager

M/N: HT-A2+

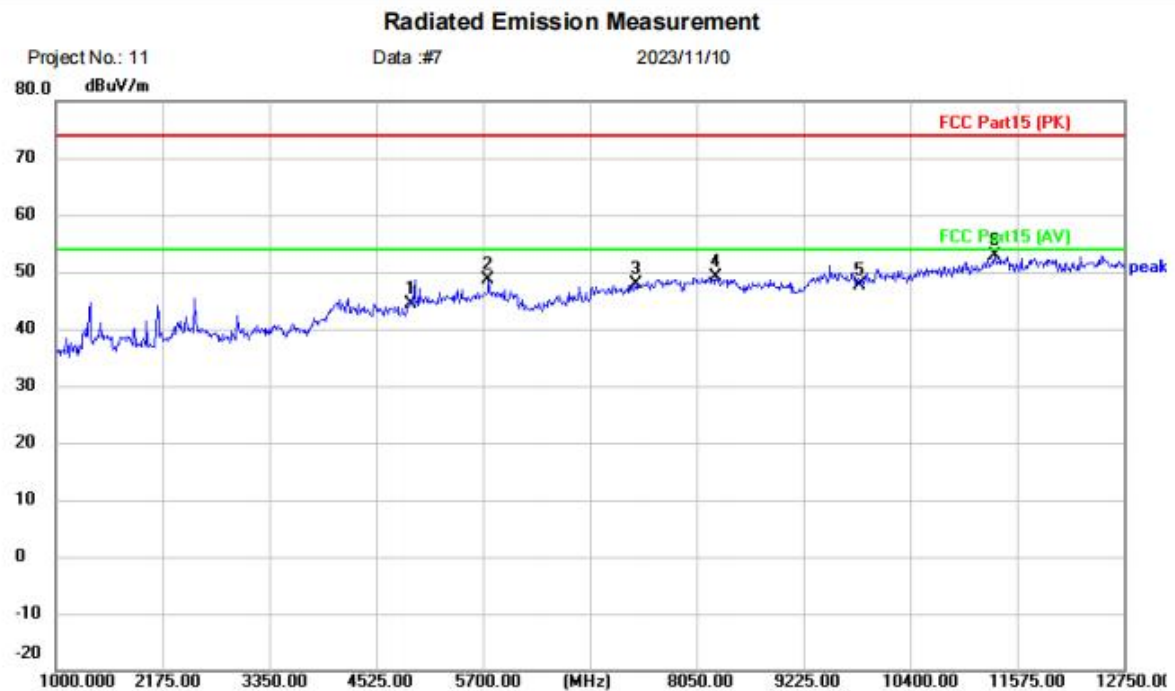
Mode: 2.4GWIFI 11B-TX-H

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	39.14	4.82	43.96	74.00	-30.04	peak	
2		6710.500	40.07	6.60	46.67	74.00	-27.33	peak	
3		7386.000	38.92	8.36	47.28	74.00	-26.72	peak	
4		8191.000	40.95	8.99	49.94	74.00	-24.06	peak	
5		9848.000	36.14	11.52	47.66	74.00	-26.34	peak	
6	*	11293.00	39.26	13.58	52.84	74.00	-21.16	peak	

Test Result: Pass

[TestMode: TX B high channel 2462]; [Polarity: Horizontal]



Site Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11B-TX-H
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	39.54	4.82	44.36	74.00	-29.64	peak	
2		5758.750	41.75	6.79	48.54	74.00	-25.46	peak	
3		7386.000	39.58	8.36	47.94	74.00	-26.06	peak	
4		8261.500	40.06	9.02	49.08	74.00	-24.92	peak	
5		9848.000	36.06	11.52	47.58	74.00	-26.42	peak	
6	*	11328.25	39.18	13.59	52.77	74.00	-21.23	peak	

Test Result: Pass

13 RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS

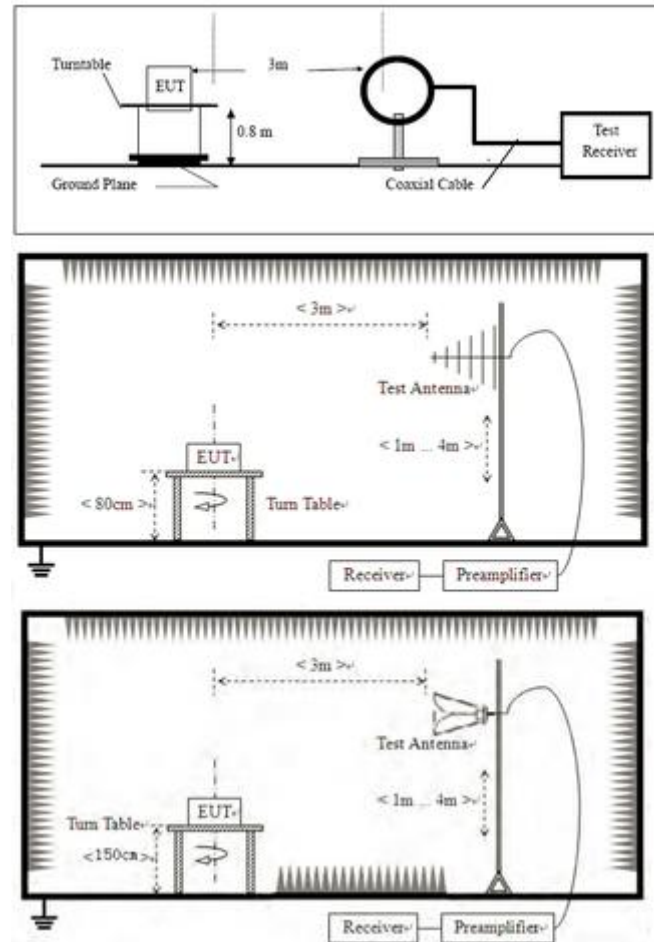
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.10.5
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25℃
Humidity	60%

13.1 LIMITS

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

13.2 BLOCK DIAGRAM OF TEST SETUP



13.3 PROCEDURE

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

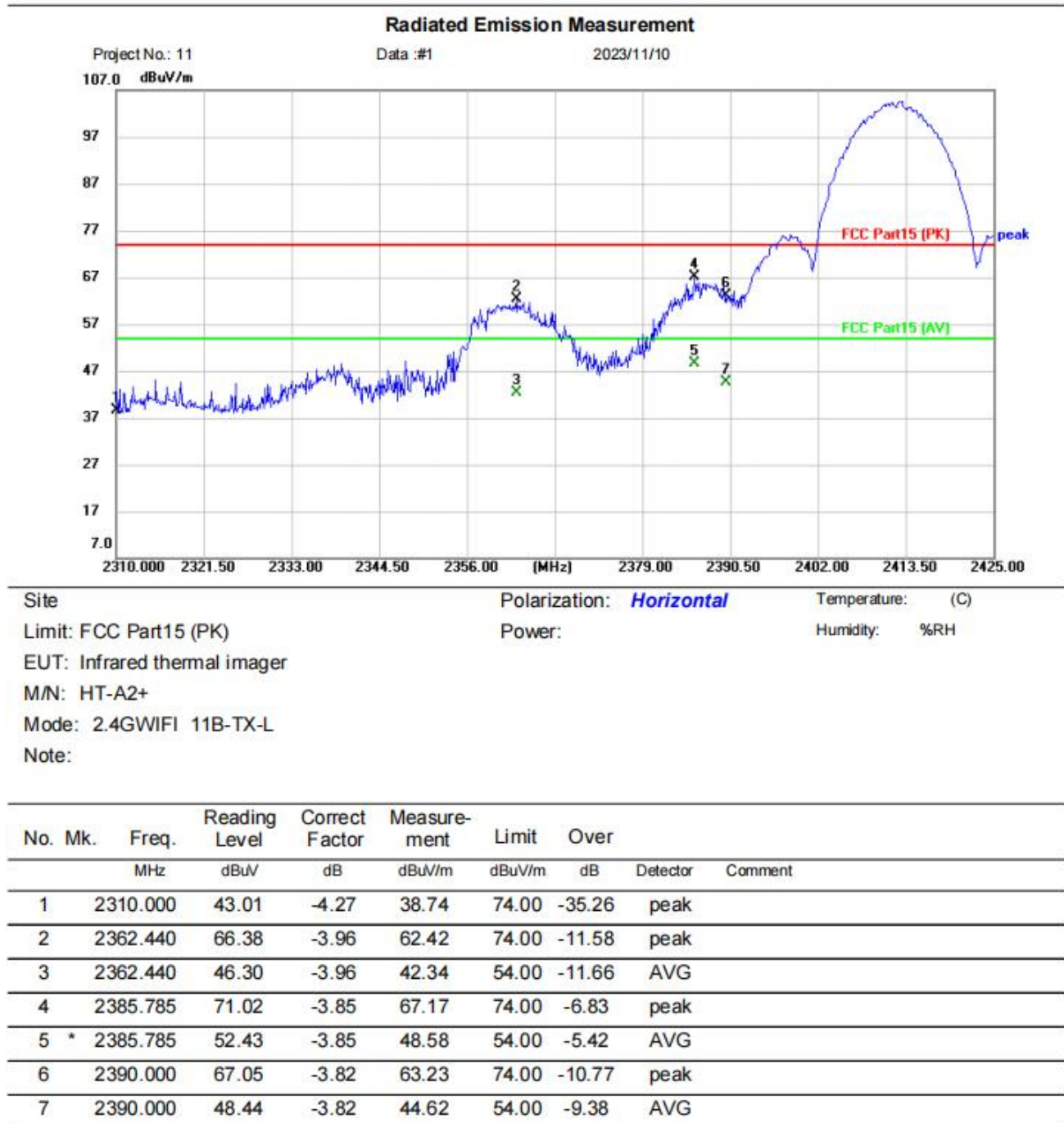
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamp Factor}$

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

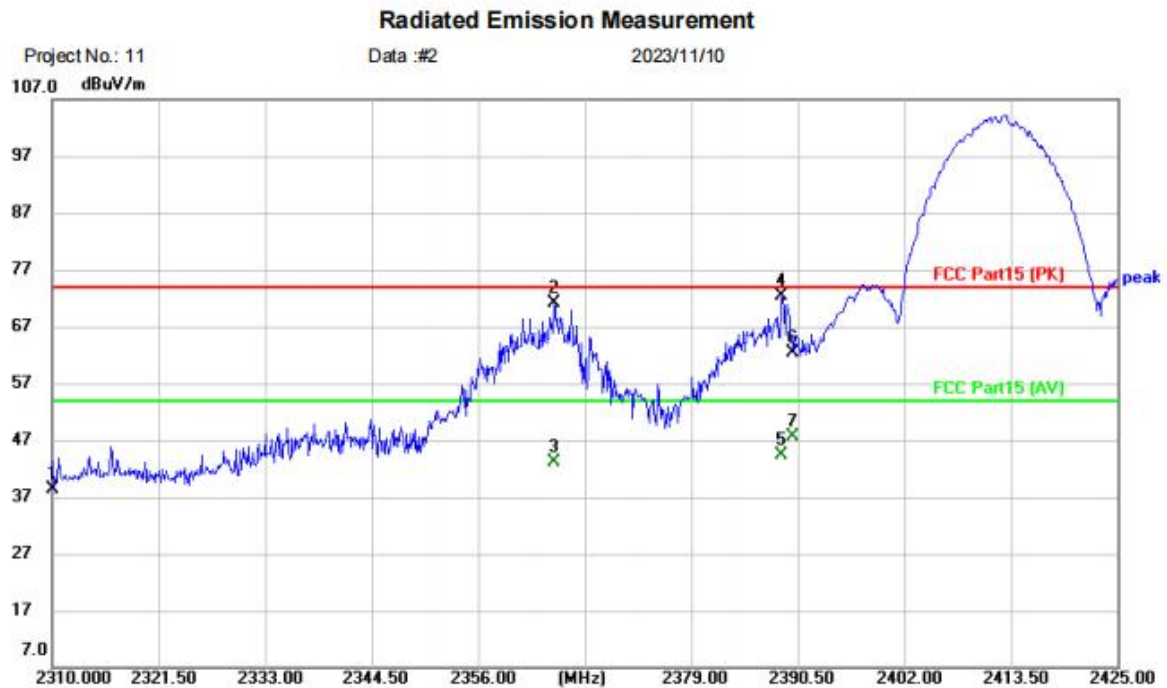
13.4 TEST DATA

[TestMode: TX B low channel 2412]; [Polarity: Horizontal]



Test Result: Pass

[TestMode: TX B low channel 2412]; [Polarity: Vertical]



Site Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: Infrared thermal imager

M/N: HT-A2+

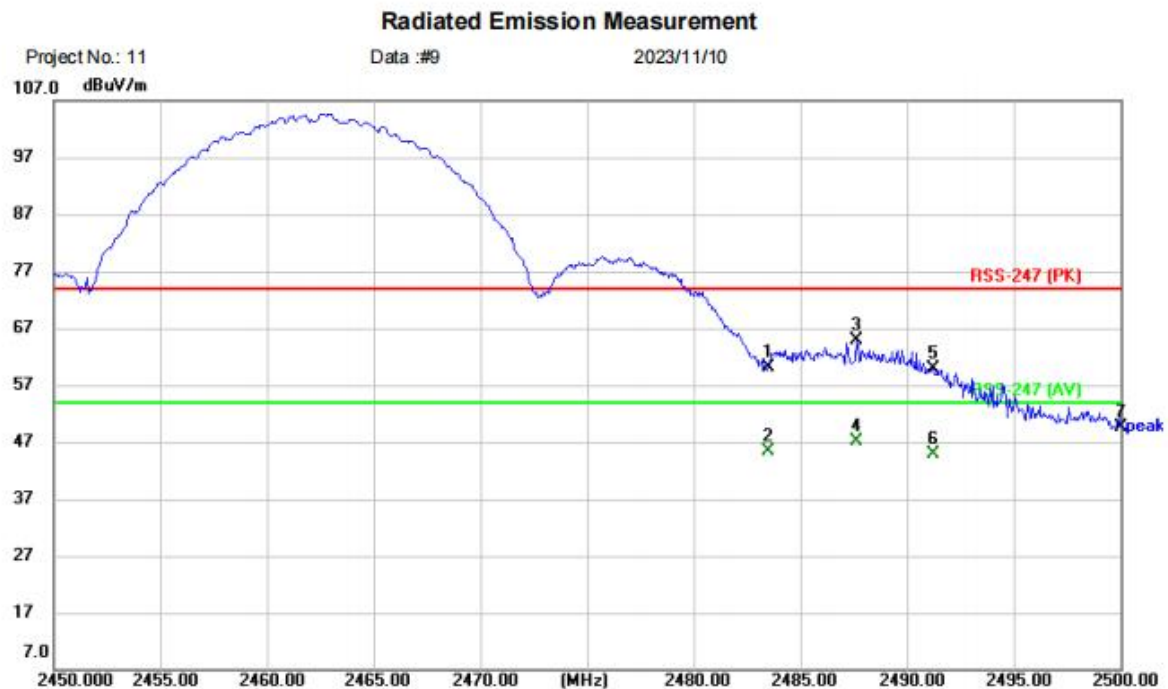
Mode: 2.4GWIFI 11B-TX-L

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	42.55	-4.27	38.28	74.00	-35.72	peak	
2		2364.165	75.11	-3.96	71.15	74.00	-2.85	peak	
3		2364.165	47.15	-3.96	43.19	54.00	-10.81	AVG	
4	*	2388.890	76.09	-3.83	72.26	74.00	-1.74	peak	
5		2388.890	48.16	-3.83	44.33	54.00	-9.67	AVG	
6		2390.000	66.29	-3.82	62.47	74.00	-11.53	peak	
7		2390.000	51.44	-3.82	47.62	54.00	-6.38	AVG	

Test Result: Pass

[TestMode: TX B high channel 2462]; [Polarity: Horizontal]

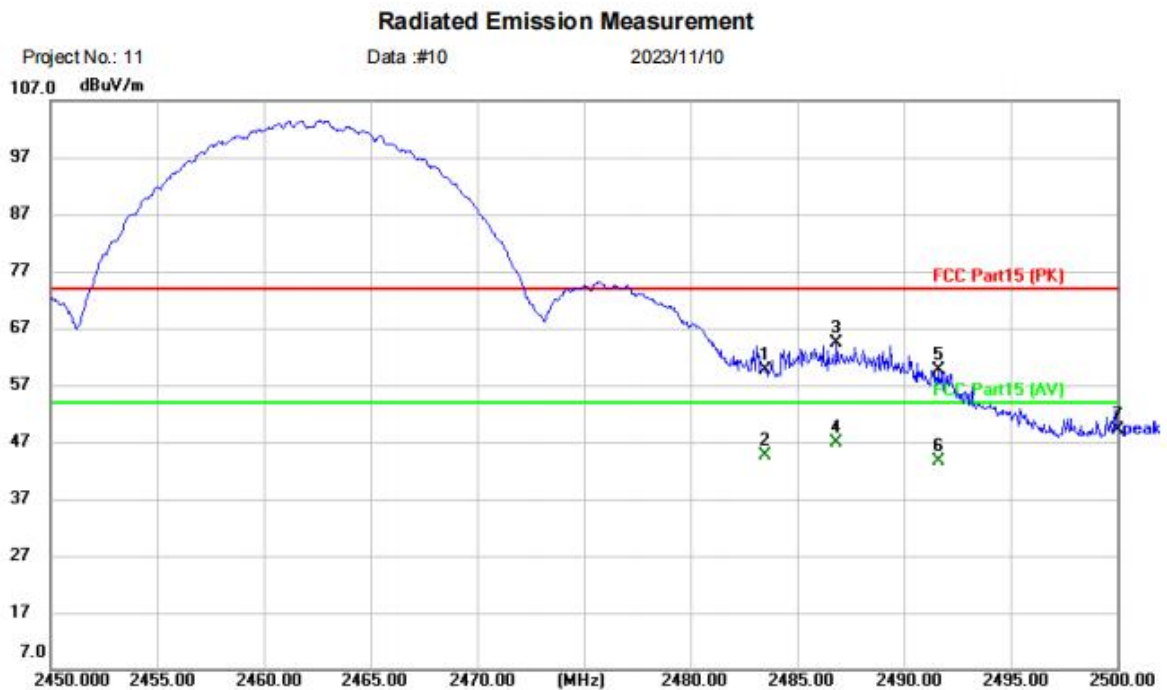


Site: Polarization: **Horizontal** Temperature: (C)
Limit: RSS-247 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11B-TX-H
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	64.08	-3.96	60.12	74.00	-13.88	peak	
2		2483.500	49.22	-3.96	45.26	54.00	-8.74	AVG	
3		2487.600	68.88	-3.97	64.91	74.00	-9.09	peak	
4	*	2487.600	51.20	-3.97	47.23	54.00	-6.77	AVG	
5		2491.250	63.81	-3.97	59.84	74.00	-14.16	peak	
6		2491.250	48.81	-3.97	44.84	54.00	-9.16	AVG	
7		2500.000	53.55	-4.00	49.55	74.00	-24.45	peak	

Test Result: Pass

[TestMode: TX B high channel 2462]; [Polarity: Vertical]

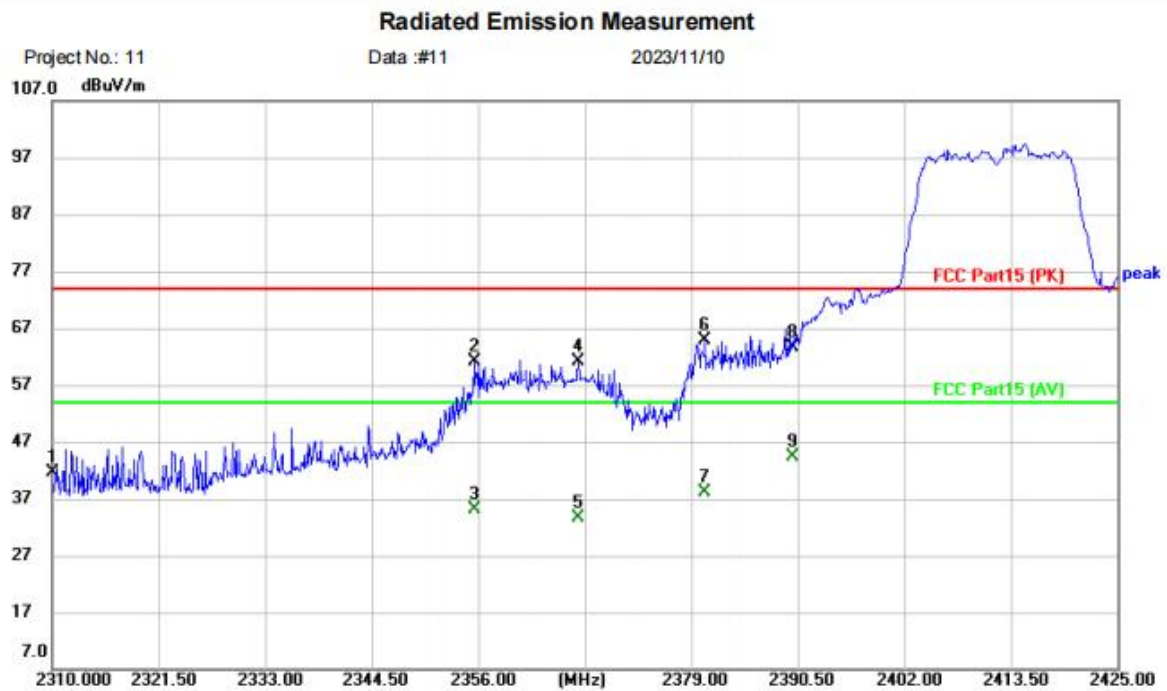


Site Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11B-TX-H
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	63.48	-3.96	59.52	74.00	-14.48	peak	
2		2483.500	48.66	-3.96	44.70	54.00	-9.30	AVG	
3		2486.850	68.26	-3.97	64.29	74.00	-9.71	peak	
4	*	2486.850	50.92	-3.97	46.95	54.00	-7.05	AVG	
5		2491.600	63.55	-3.97	59.58	74.00	-14.42	peak	
6		2491.600	47.56	-3.97	43.59	54.00	-10.41	AVG	
7		2500.000	53.11	-4.00	49.11	74.00	-24.89	peak	

Test Result: Pass

[TestMode: TX G low channel 2412]; [Polarity: Vertical]

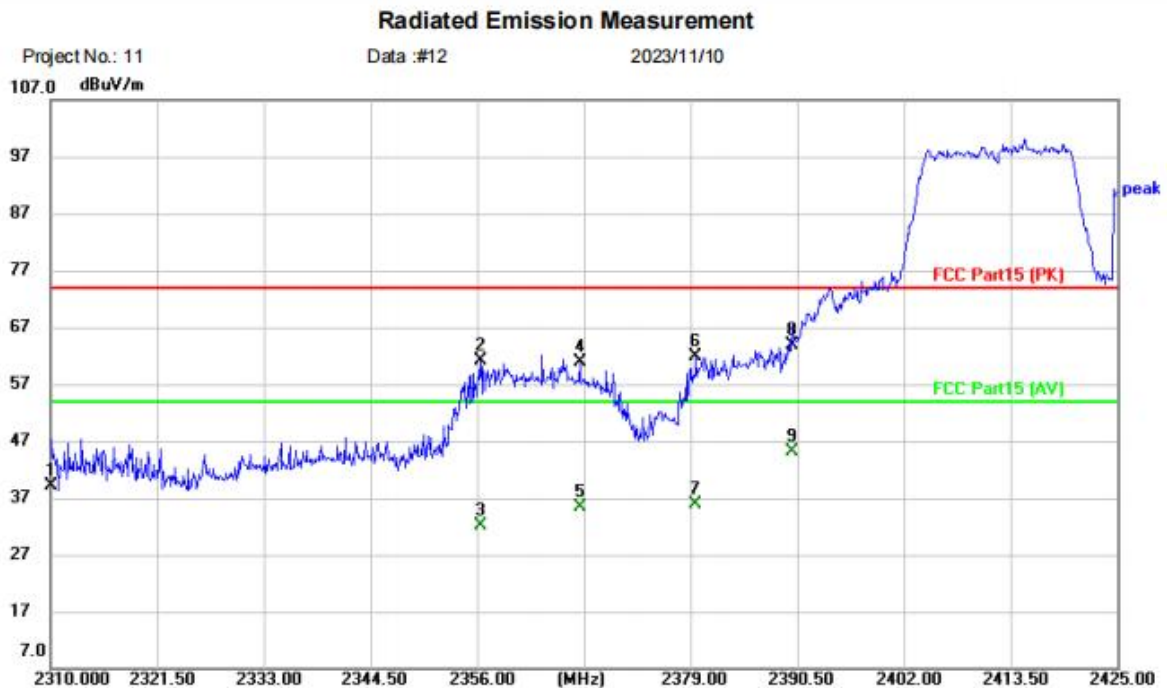


Site Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11G-TX-L
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	45.82	-4.27	41.55	74.00	-32.45	peak	
2		2355.540	65.13	-4.01	61.12	74.00	-12.88	peak	
3		2355.540	39.22	-4.01	35.21	54.00	-18.79	AVG	
4		2366.810	65.08	-3.95	61.13	74.00	-12.87	peak	
5		2366.810	37.57	-3.95	33.62	54.00	-20.38	AVG	
6	*	2380.495	68.74	-3.88	64.86	74.00	-9.14	peak	
7		2380.495	42.12	-3.88	38.24	54.00	-15.76	AVG	
8		2390.000	67.50	-3.82	63.68	74.00	-10.32	peak	
9		2390.000	48.31	-3.82	44.49	54.00	-9.51	AVG	

Test Result: Pass

[TestMode: TX G low channel 2412]; [Polarity: Horizontal]



Site: Polarization: **Horizontal** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: Infrared thermal imager

M/N: HT-A2+

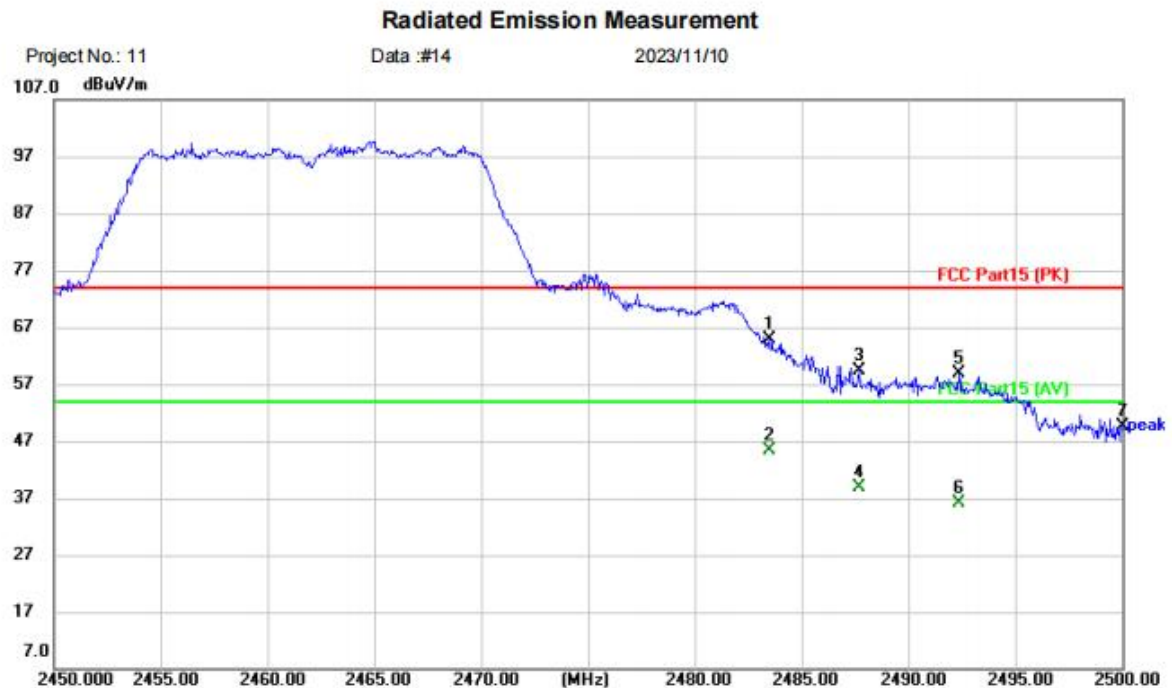
Mode: 2.4GWIFI 11G-TX-L

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	43.50	-4.27	39.23	74.00	-34.77	peak	
2		2356.345	65.05	-4.00	61.05	74.00	-12.95	peak	
3		2356.345	36.11	-4.00	32.11	54.00	-21.89	AVG	
4		2367.040	64.89	-3.95	60.94	74.00	-13.06	peak	
5		2367.040	39.21	-3.95	35.26	54.00	-18.74	AVG	
6		2379.575	65.86	-3.88	61.98	74.00	-12.02	peak	
7		2379.575	39.65	-3.88	35.77	54.00	-18.23	AVG	
8		2390.000	67.77	-3.82	63.95	74.00	-10.05	peak	
9	*	2390.000	48.96	-3.82	45.14	54.00	-8.86	AVG	

Test Result: Pass

[TestMode: TX G high channel 2462]; [Polarity: Vertical]

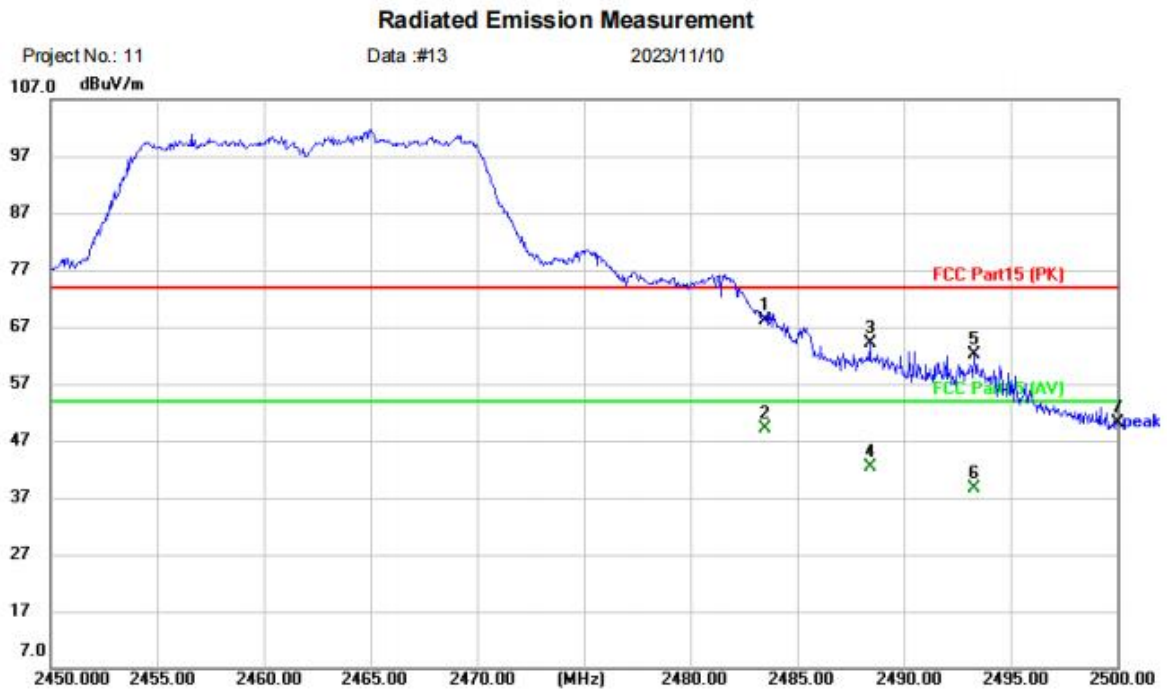


Site: Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11G-TX-H
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	68.75	-3.96	64.79	74.00	-9.21	peak	
2	*	2483.500	49.22	-3.96	45.26	54.00	-8.74	AVG	
3		2487.700	63.47	-3.97	59.50	74.00	-14.50	peak	
4		2487.700	42.92	-3.97	38.95	54.00	-15.05	AVG	
5		2492.350	62.93	-3.98	58.95	74.00	-15.05	peak	
6		2492.350	40.19	-3.98	36.21	54.00	-17.79	AVG	
7		2500.000	53.52	-4.00	49.52	74.00	-24.48	peak	

Test Result: Pass

[TestMode: TX G high channel 2462]; [Polarity: Horizontal]

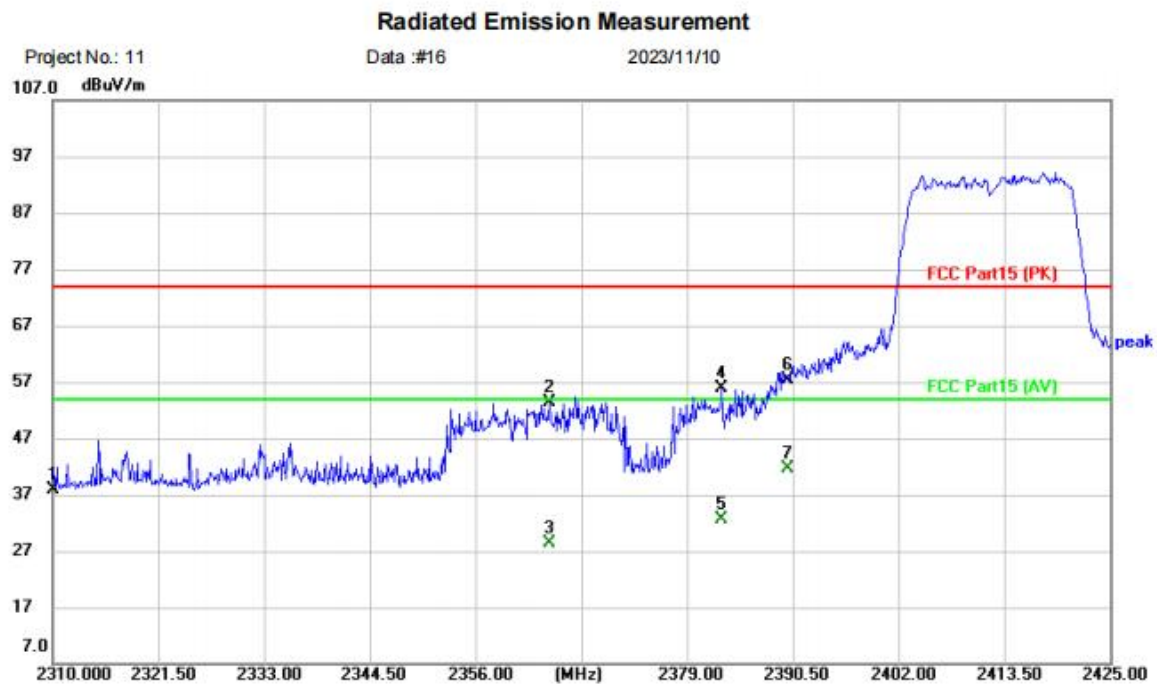


Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11G-TX-H
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	72.02	-3.96	68.06	74.00	-5.94	peak	
2	*	2483.500	53.01	-3.96	49.05	54.00	-4.95	AVG	
3		2488.400	68.05	-3.97	64.08	74.00	-9.92	peak	
4		2488.400	46.40	-3.97	42.43	54.00	-11.57	AVG	
5		2493.300	66.02	-3.98	62.04	74.00	-11.96	peak	
6		2493.300	42.71	-3.98	38.73	54.00	-15.27	AVG	
7		2500.000	54.10	-4.00	50.10	74.00	-23.90	peak	

Test Result: Pass

[TestMode: TX N20 low channel 2412]; [Polarity: Vertical]

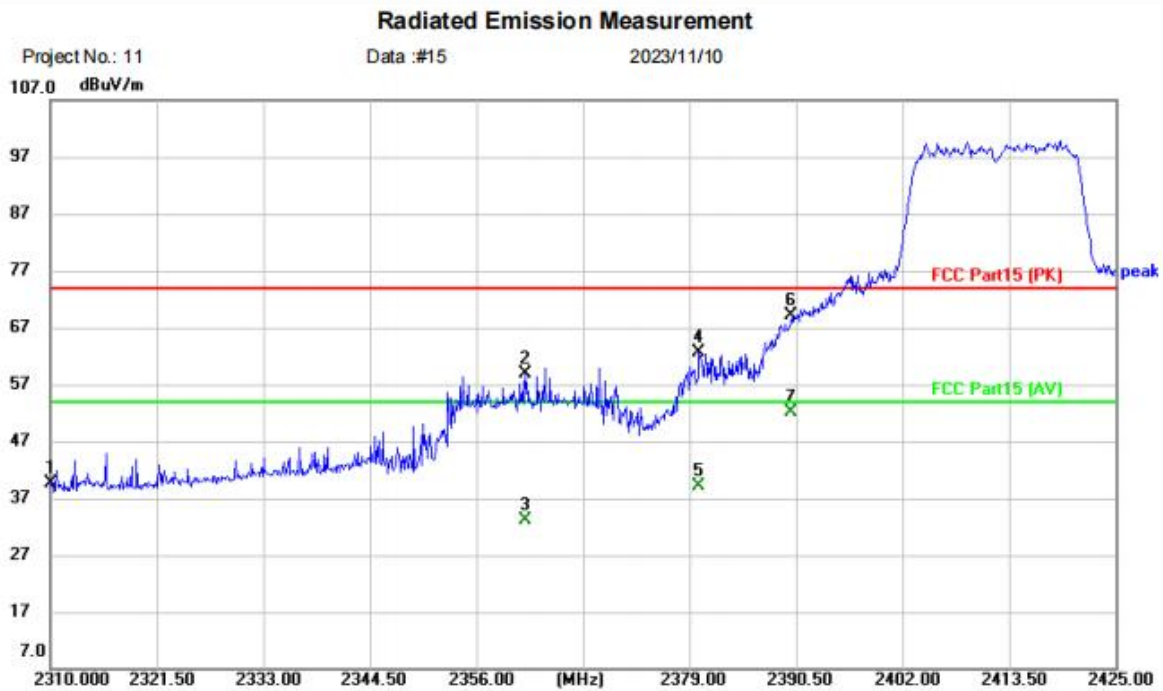


Site Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11N20-TX-L
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	42.10	-4.27	37.83	74.00	-36.17	peak	
2		2364.050	57.22	-3.96	53.26	74.00	-20.74	peak	
3		2364.050	32.22	-3.96	28.26	54.00	-25.74	AVG	
4		2382.795	59.81	-3.86	55.95	74.00	-18.05	peak	
5		2382.795	36.39	-3.86	32.53	54.00	-21.47	AVG	
6		2390.000	61.14	-3.82	57.32	74.00	-16.68	peak	
7	*	2390.000	45.49	-3.82	41.67	54.00	-12.33	AVG	

Test Result: Pass

[TestMode: TX N20 low channel 2412]; [Polarity: Horizontal]

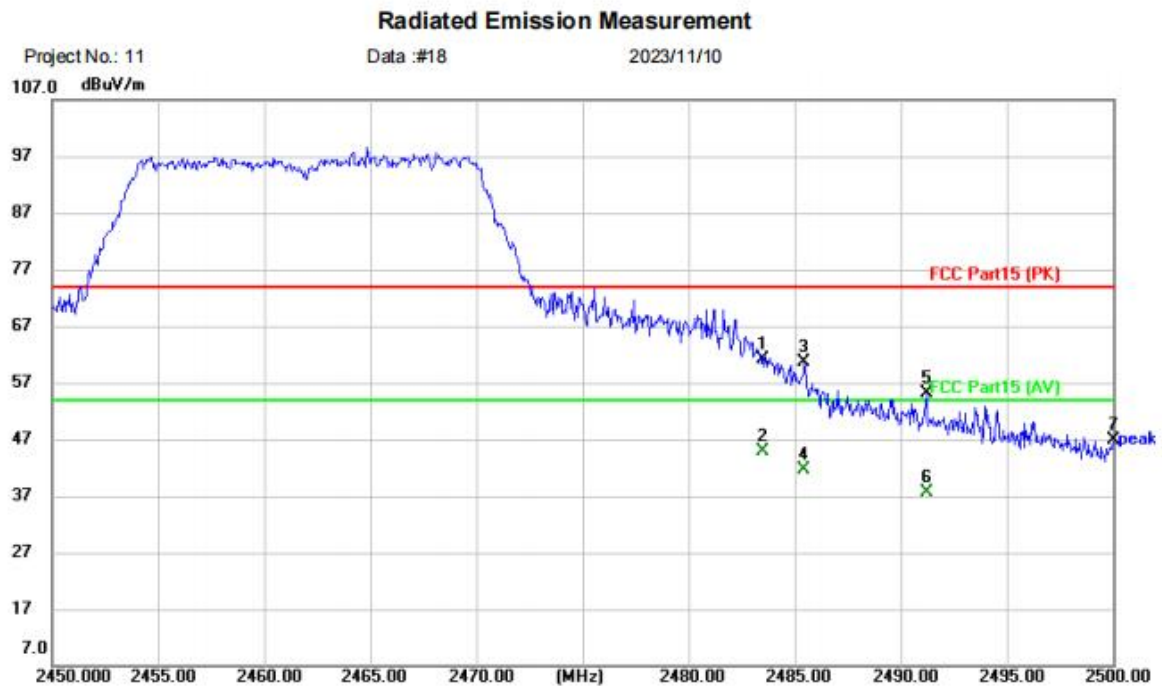


Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11N20-TX-L
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	43.88	-4.27	39.61	74.00	-34.39	peak	
2		2361.290	62.75	-3.98	58.77	74.00	-15.23	peak	
3		2361.290	37.11	-3.98	33.13	54.00	-20.87	AVG	
4		2380.035	66.61	-3.88	62.73	74.00	-11.27	peak	
5		2380.035	43.09	-3.88	39.21	54.00	-14.79	AVG	
6		2390.000	72.97	-3.82	69.15	74.00	-4.85	peak	
7	*	2390.000	55.92	-3.82	52.10	54.00	-1.90	AVG	

Test Result: Pass

[TestMode: TX N20 high channel 2462]; [Polarity: Horizontal]

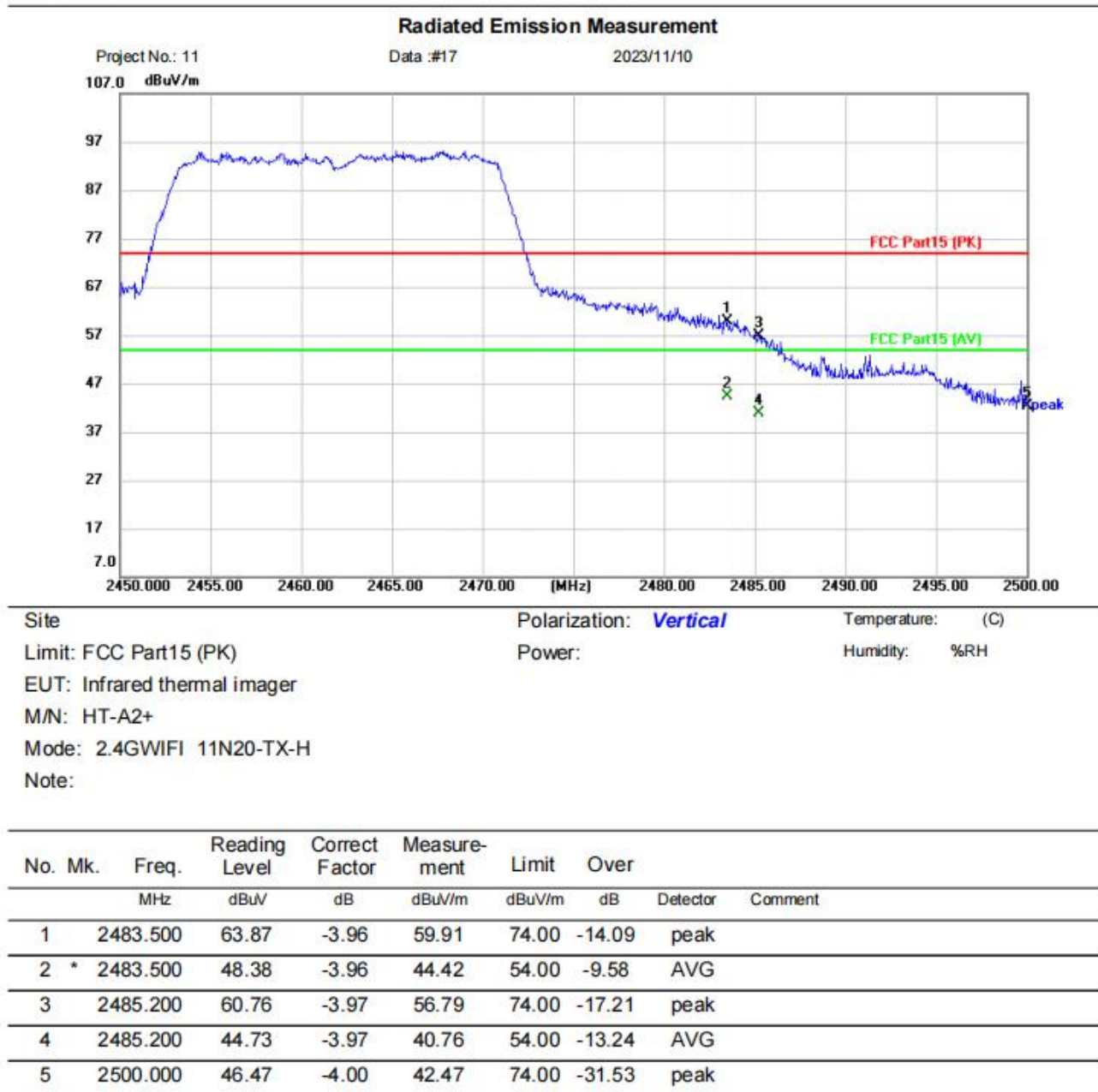


Site Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11N20-TX-H
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	65.01	-3.96	61.05	74.00	-12.95	peak	
2	*	2483.500	48.88	-3.96	44.92	54.00	-9.08	AVG	
3		2485.450	64.66	-3.97	60.69	74.00	-13.31	peak	
4		2485.450	45.48	-3.97	41.51	54.00	-12.49	AVG	
5		2491.200	59.04	-3.97	55.07	74.00	-18.93	peak	
6		2491.200	41.63	-3.97	37.66	54.00	-16.34	AVG	
7		2500.000	50.77	-4.00	46.77	74.00	-27.23	peak	

Test Result: Pass

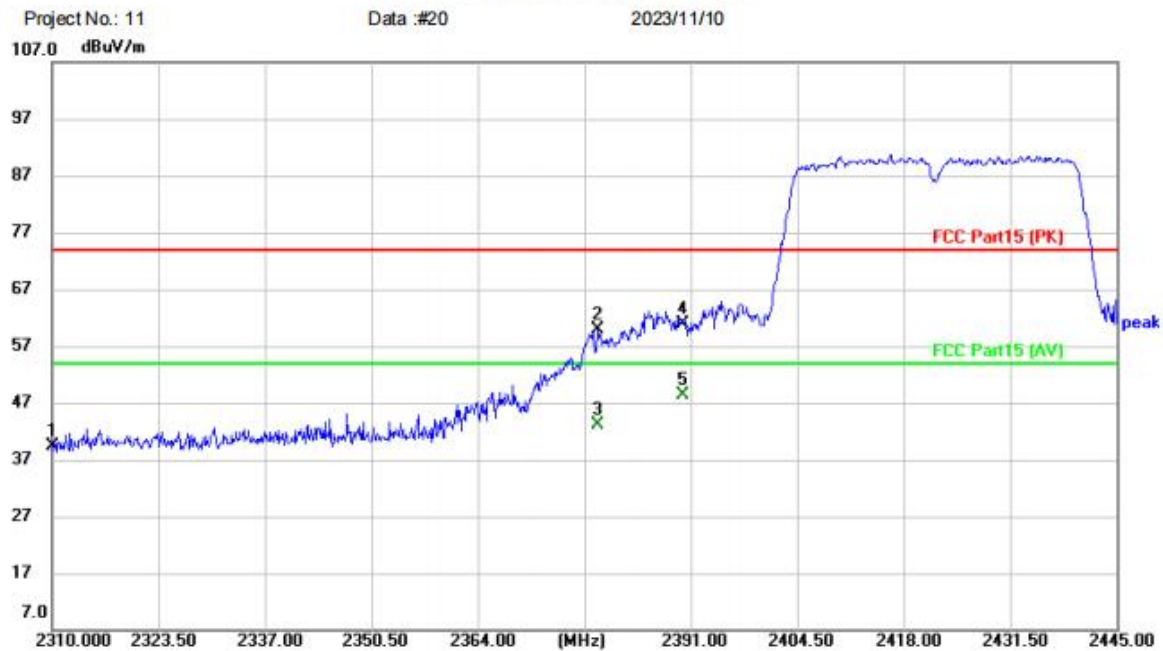
[TestMode: TX N20 high channel 2462]; [Polarity: Vertical]



Test Result: Pass

[TestMode: TX N40 low channel 2422]; [Polarity: Vertical]

Radiated Emission Measurement

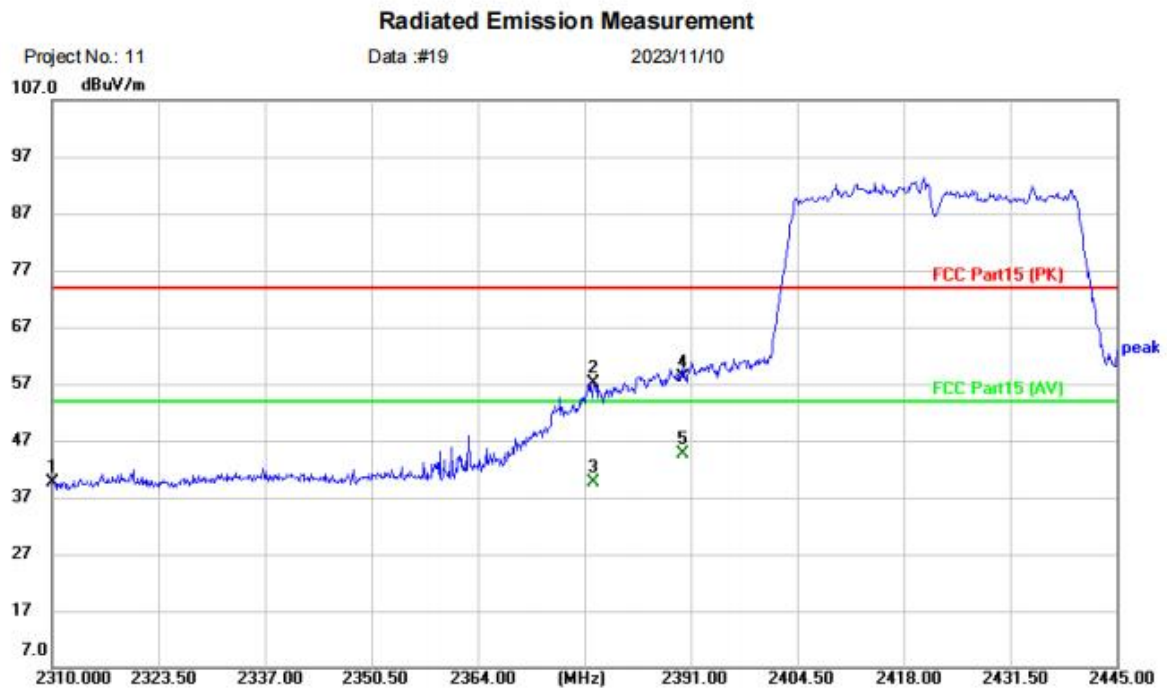


Site: Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11N40-TX-L
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	43.54	-4.27	39.27	74.00	-34.73	peak	
2		2379.255	63.67	-3.88	59.79	74.00	-14.21	peak	
3		2379.255	46.97	-3.88	43.09	54.00	-10.91	AVG	
4		2390.000	64.64	-3.82	60.82	74.00	-13.18	peak	
5	*	2390.000	52.12	-3.82	48.30	54.00	-5.70	AVG	

Test Result: Pass

[TestMode: TX N40 low channel 2422]; [Polarity: Horizontal]

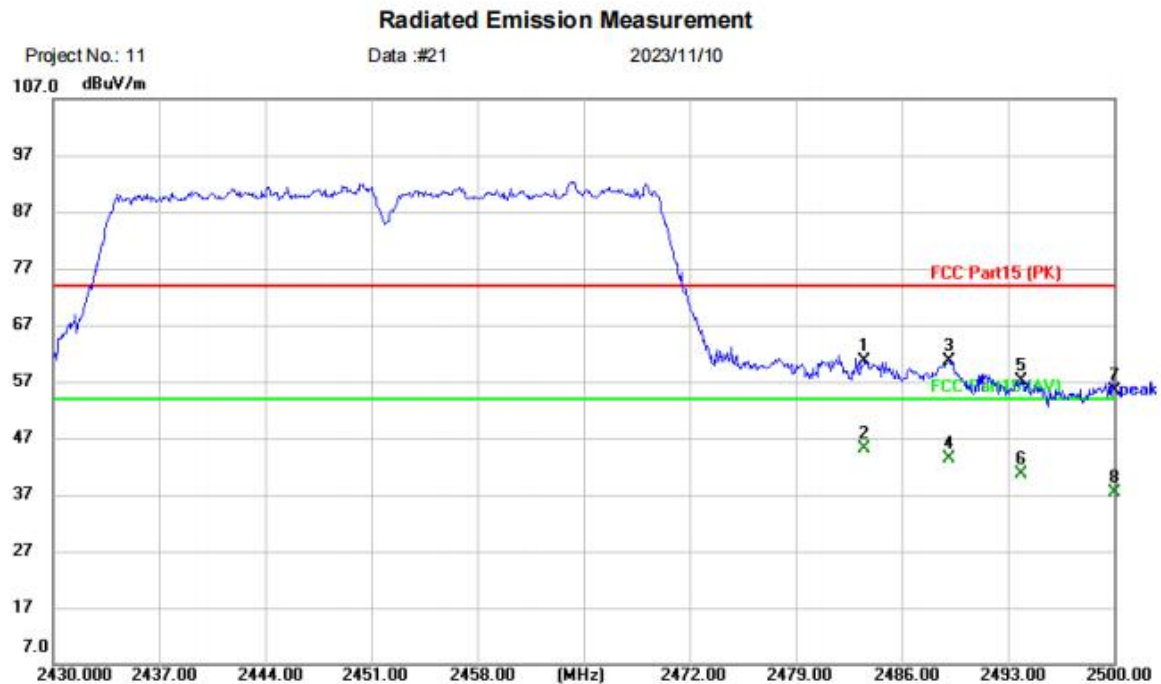


Site Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11N40-TX-L
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	43.91	-4.27	39.64	74.00	-34.36	peak	
2		2378.715	61.11	-3.88	57.23	74.00	-16.77	peak	
3		2378.715	43.48	-3.88	39.60	54.00	-14.40	AVG	
4		2390.000	61.84	-3.82	58.02	74.00	-15.98	peak	
5	*	2390.000	48.33	-3.82	44.51	54.00	-9.49	AVG	

Test Result: Pass

[TestMode: TX N40 high channel 2452]; [Polarity: Vertical]



Site: Polarization: **Vertical** Temperature: (C)

Limit: FCC Part15 (PK) Power: Humidity: %RH

EUT: Infrared thermal imager

M/N: HT-A2+

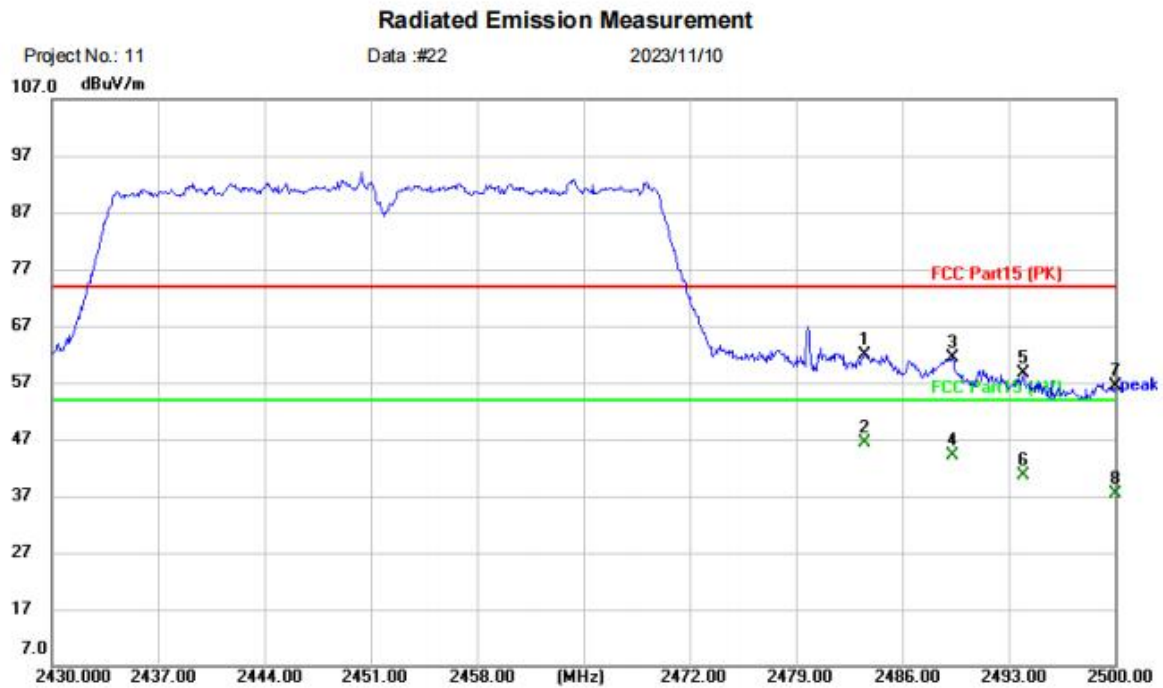
Mode: 2.4GWIFI 11N40-TX-H

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2483.500	64.51	-3.96	60.55	74.00	-13.45	peak	
2	*	2483.500	49.11	-3.96	45.15	54.00	-8.85	AVG	
3		2489.150	64.72	-3.97	60.75	74.00	-13.25	peak	
4		2489.150	47.26	-3.97	43.29	54.00	-10.71	AVG	
5		2493.910	61.23	-3.98	57.25	74.00	-16.75	peak	
6		2493.910	44.71	-3.98	40.73	54.00	-13.27	AVG	
7		2500.000	59.40	-4.00	55.40	74.00	-18.60	peak	
8		2500.000	41.43	-4.00	37.43	54.00	-16.57	AVG	

Test Result: Pass

[TestMode: TX N40 high channel 2452]; [Polarity: Horizontal]



Site Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Infrared thermal imager
M/N: HT-A2+
Mode: 2.4GWIFI 11N40-TX-H
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	65.87	-3.96	61.91	74.00	-12.09	peak	
2	*	2483.500	50.32	-3.96	46.36	54.00	-7.64	AVG	
3		2489.290	65.46	-3.98	61.48	74.00	-12.52	peak	
4		2489.290	48.03	-3.98	44.05	54.00	-9.95	AVG	
5		2493.980	62.67	-3.98	58.69	74.00	-15.31	peak	
6		2493.980	44.64	-3.98	40.66	54.00	-13.34	AVG	
7		2500.000	60.37	-4.00	56.37	74.00	-17.63	peak	
8		2500.000	41.49	-4.00	37.49	54.00	-16.51	AVG	

Test Result: Pass

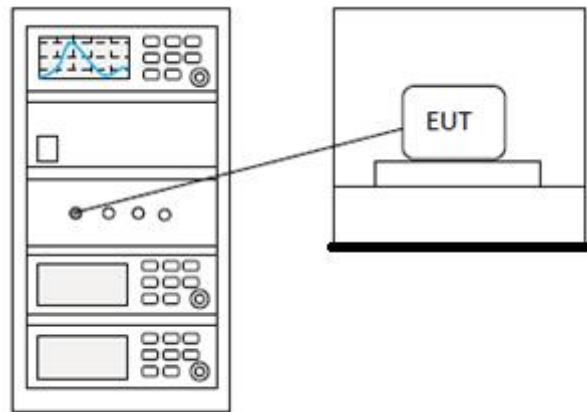
14 CONDUCTED SPURIOUS EMISSIONS

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25°C
Humidity	60%

14.1 LIMITS

Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
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14.2 BLOCK DIAGRAM OF TEST SETUP



14.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

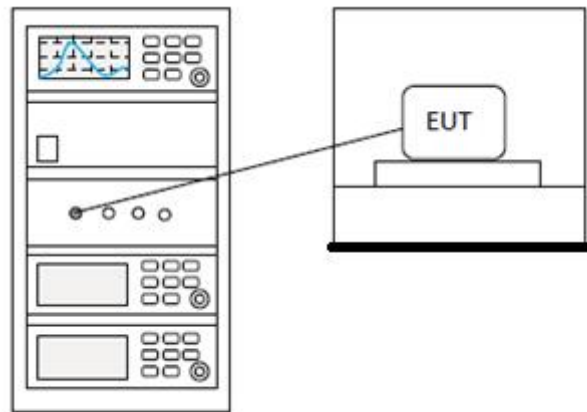
15 CONDUCTED BAND EDGES MEASUREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25°C
Humidity	60%

15.1 LIMITS

Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
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15.2 BLOCK DIAGRAM OF TEST SETUP



15.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

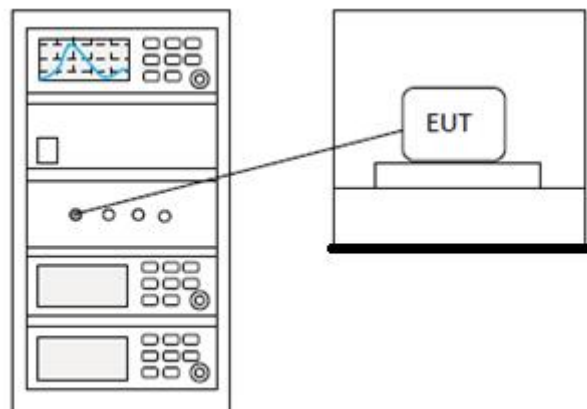
16 MINIMUM 6DB BANDWIDTH

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.8.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25℃
Humidity	60%

16.1 LIMITS

Limit:	≥500 kHz
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16.2 BLOCK DIAGRAM OF TEST SETUP



16.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

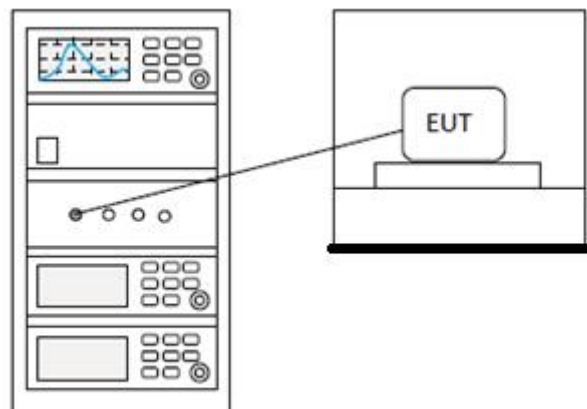
17 POWER SPECTRUM DENSITY

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.10.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25°C
Humidity	60%

17.1 LIMITS

Limit:	≤8dBm in any 3 kHz band during any time interval of continuous transmission
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17.2 BLOCK DIAGRAM OF TEST SETUP



17.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

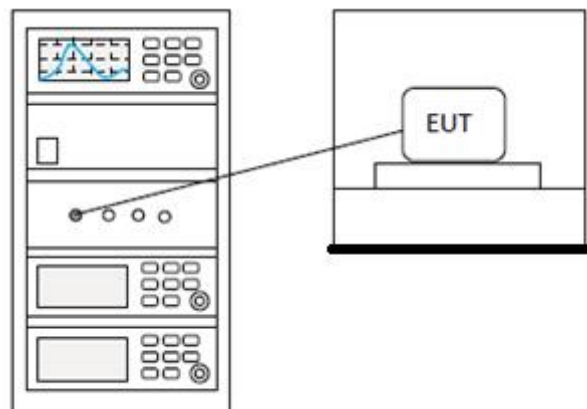
18 CONDUCTED PEAK OUTPUT POWER

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.5 & Section 11.9.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25°C
Humidity	60%

18.1 LIMITS

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq \text{hopping channels} < 50$
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

18.2 BLOCK DIAGRAM OF TEST SETUP



18.3 TEST DATA**Pass: Please Refer To Appendix: Appendix1 For Details**

BlueAsia

19 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

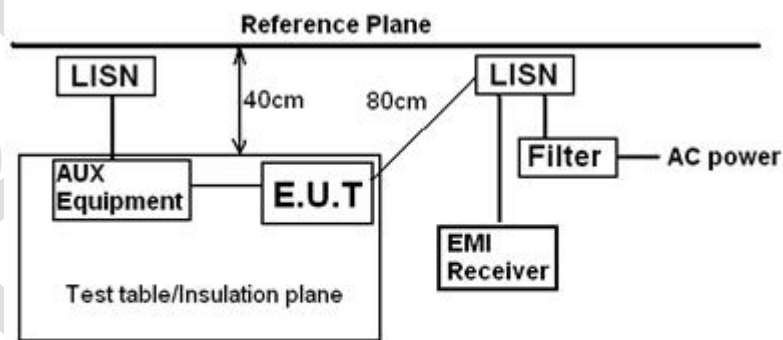
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Charlie
Temperature	25°C
Humidity	60%

19.1 LIMITS

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

19.2 BLOCK DIAGRAM OF TEST SETUP



Remark:
E.U.T: Equipment Under Test
LISN: Line Impedance Stabilization Network
Test table height=0.8m

19.3 PROCEDURE

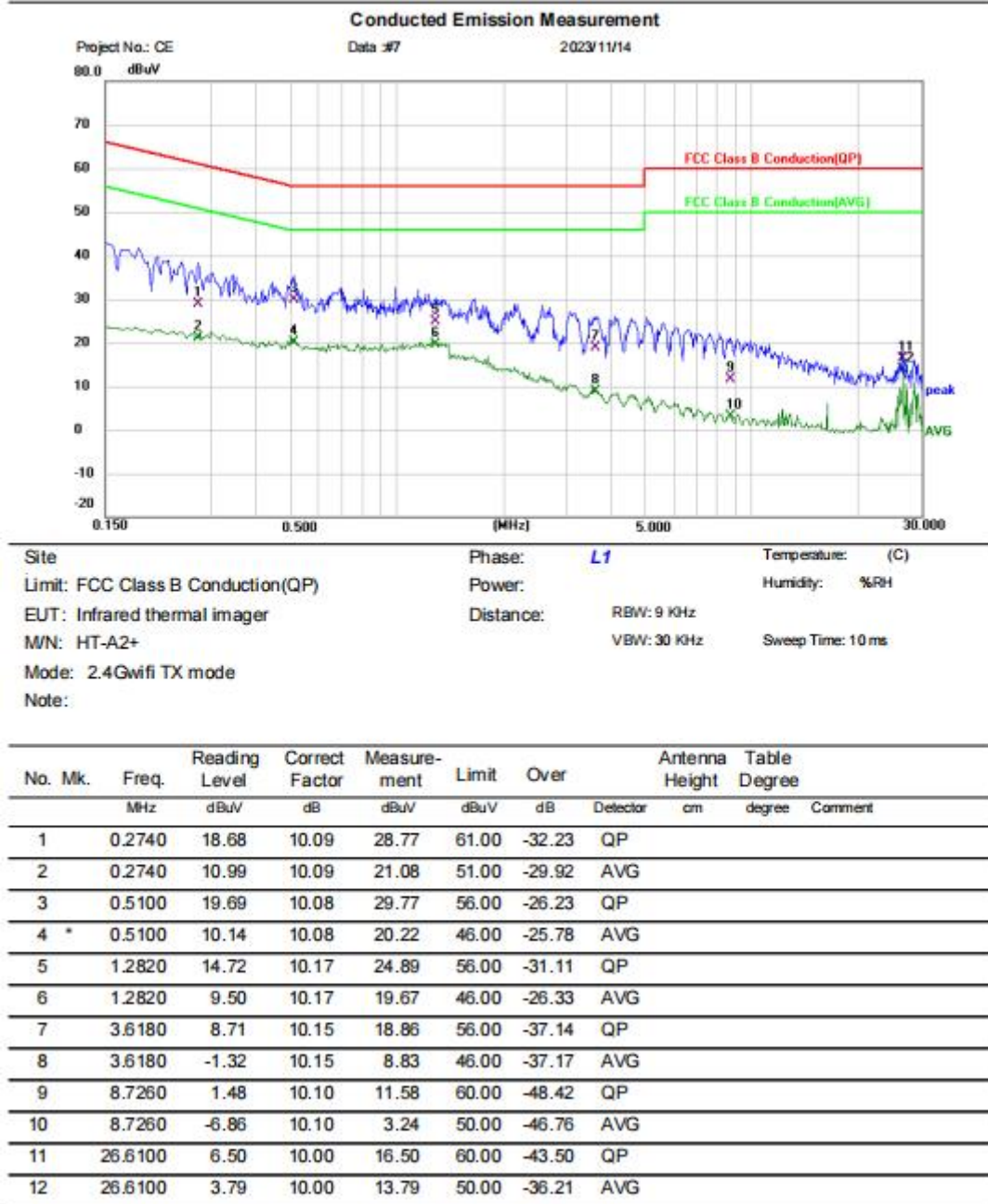
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: $LISN = Read\ Level + Cable\ Loss + LISN\ Factor$

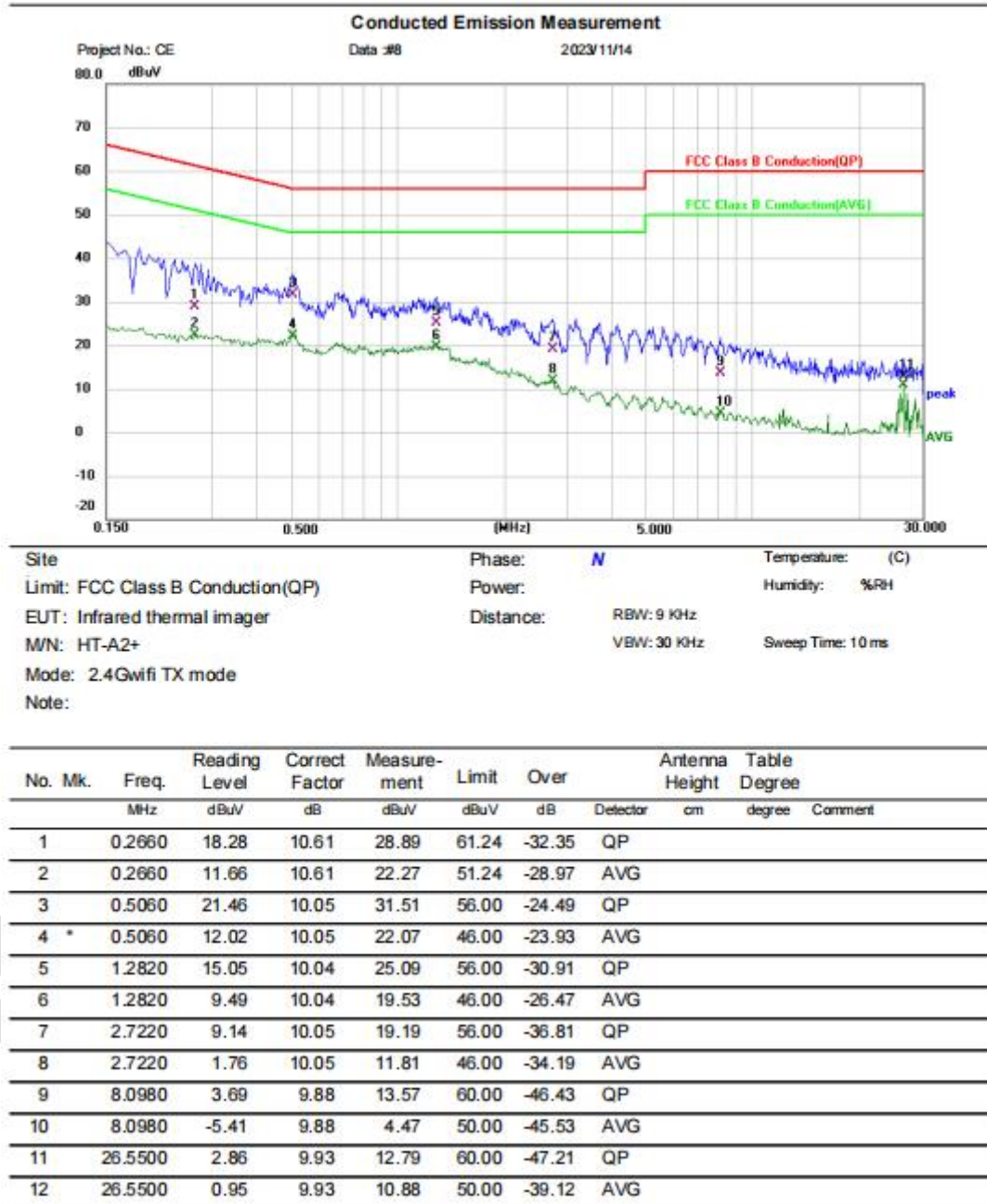
19.4 TEST DATA

[TestMode: TX]; [Line: Line]; [Power:AC120V/60Hz]



Test Result: Pass

[TestMode: TX]; [Line: Nutral] ;[Power:AC120V/60Hz]



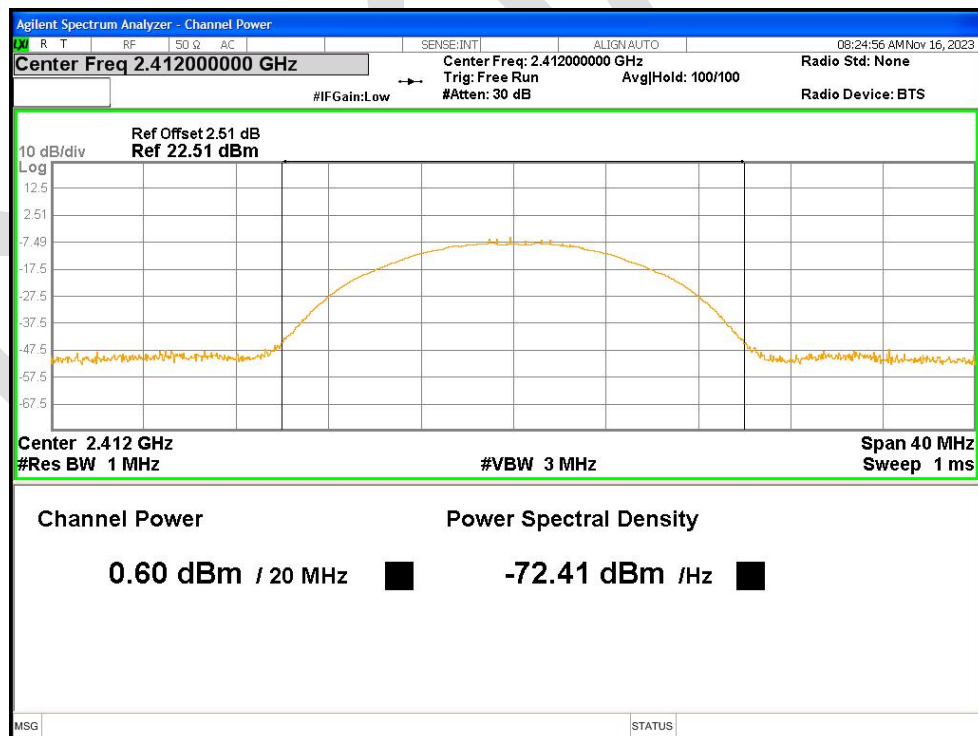
Test Result: Pass

20 APPENDIX

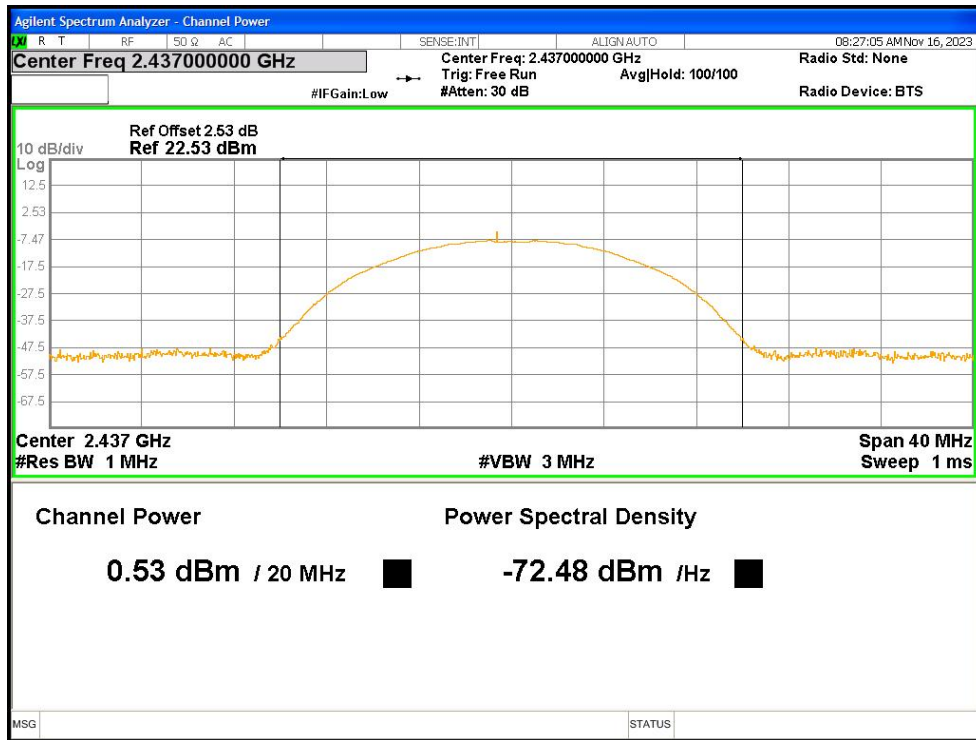
20.1 MAXIMUM PEAK CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	PEAK Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	0.603	30	Pass
NVNT	b	2437	Ant1	0.531	30	Pass
NVNT	b	2462	Ant1	0.515	30	Pass
NVNT	g	2412	Ant1	-0.117	30	Pass
NVNT	g	2437	Ant1	-0.381	30	Pass
NVNT	g	2462	Ant1	-0.487	30	Pass
NVNT	n20	2412	Ant1	0.022	30	Pass
NVNT	n20	2437	Ant1	-0.196	30	Pass
NVNT	n20	2462	Ant1	-0.434	30	Pass
NVNT	n40	2422	Ant1	0.202	30	Pass
NVNT	n40	2437	Ant1	0.201	30	Pass
NVNT	n40	2452	Ant1	1.567	30	Pass

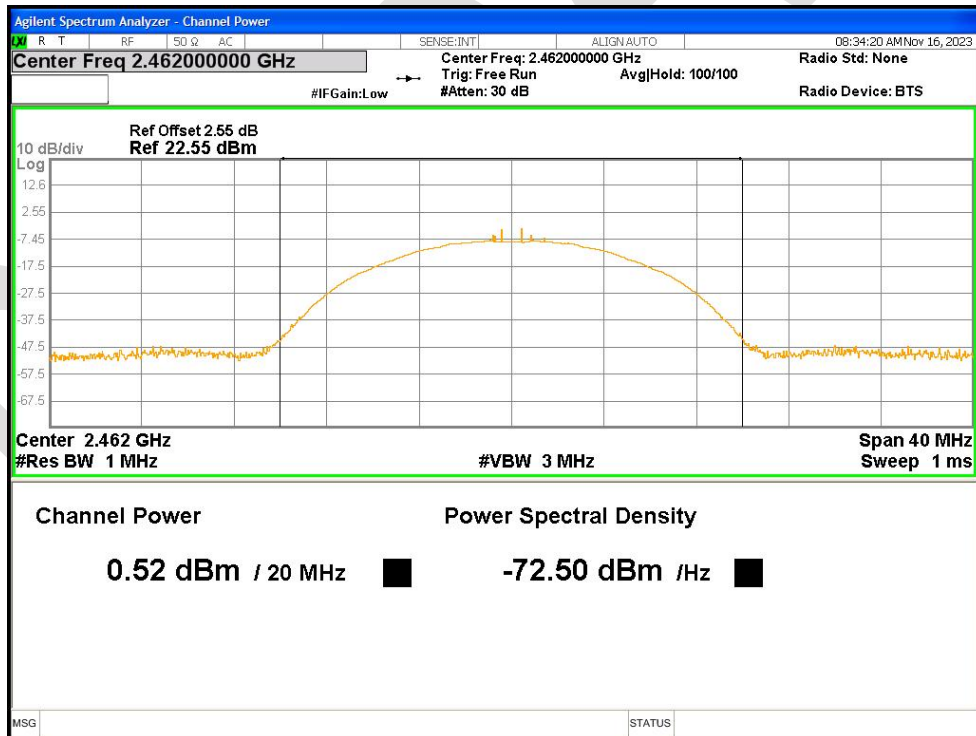
Power NVNT b 2412MHz Ant1



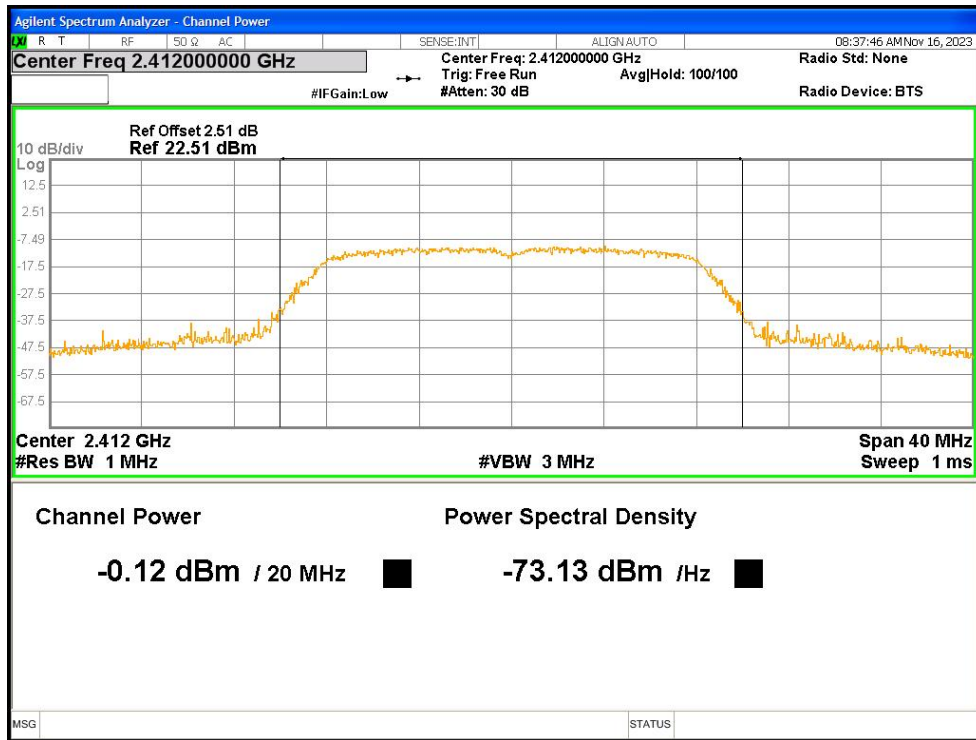
Power NVNT b 2437MHz Ant1



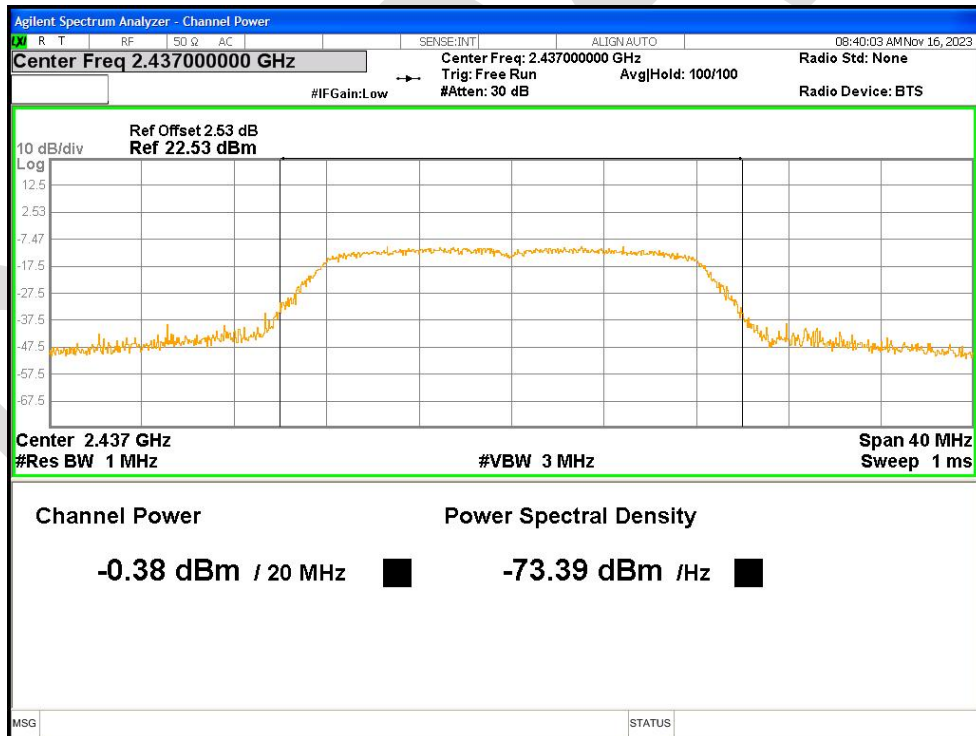
Power NVNT b 2462MHz Ant1



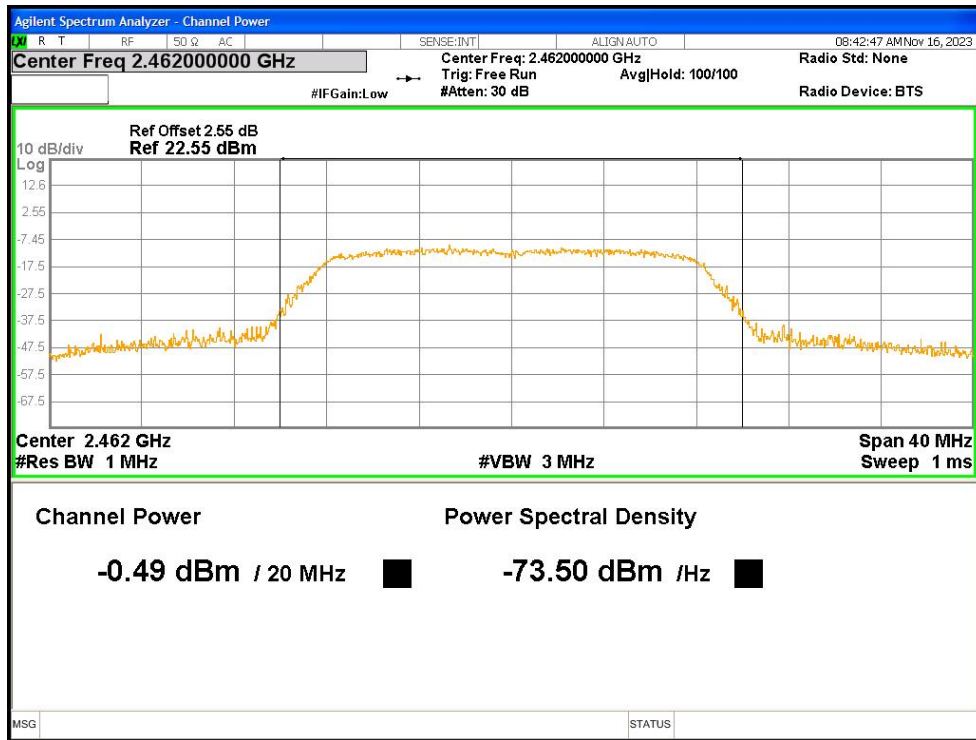
Power NVNT g 2412MHz Ant1



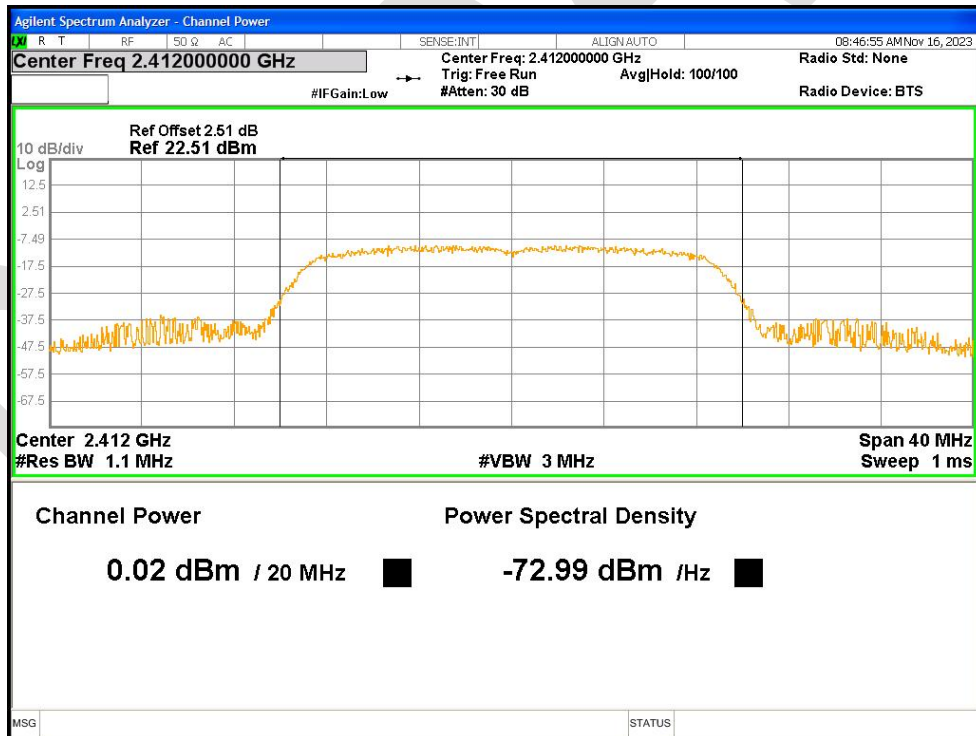
Power NVNT g 2437MHz Ant1



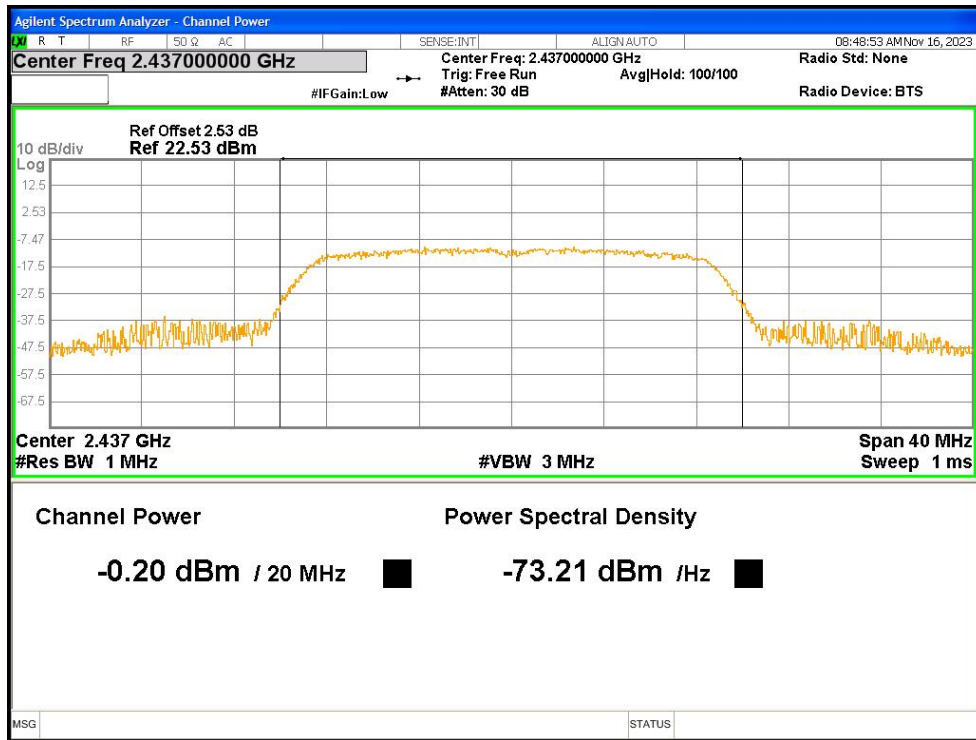
Power NVNT g 2462MHz Ant1



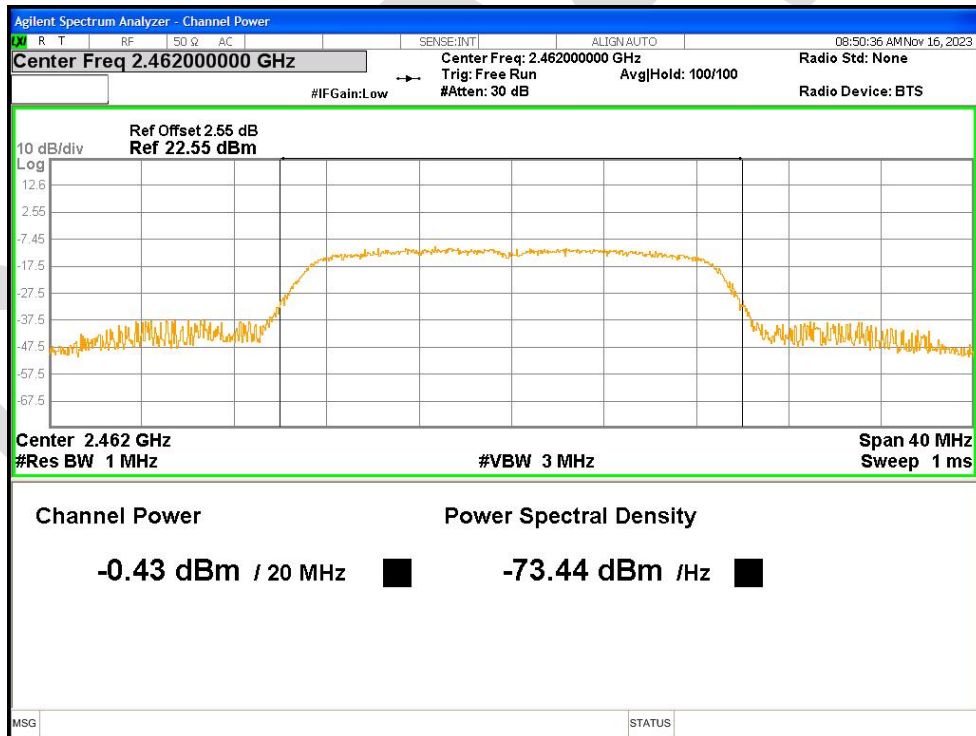
Power NVNT n20 2412MHz Ant1



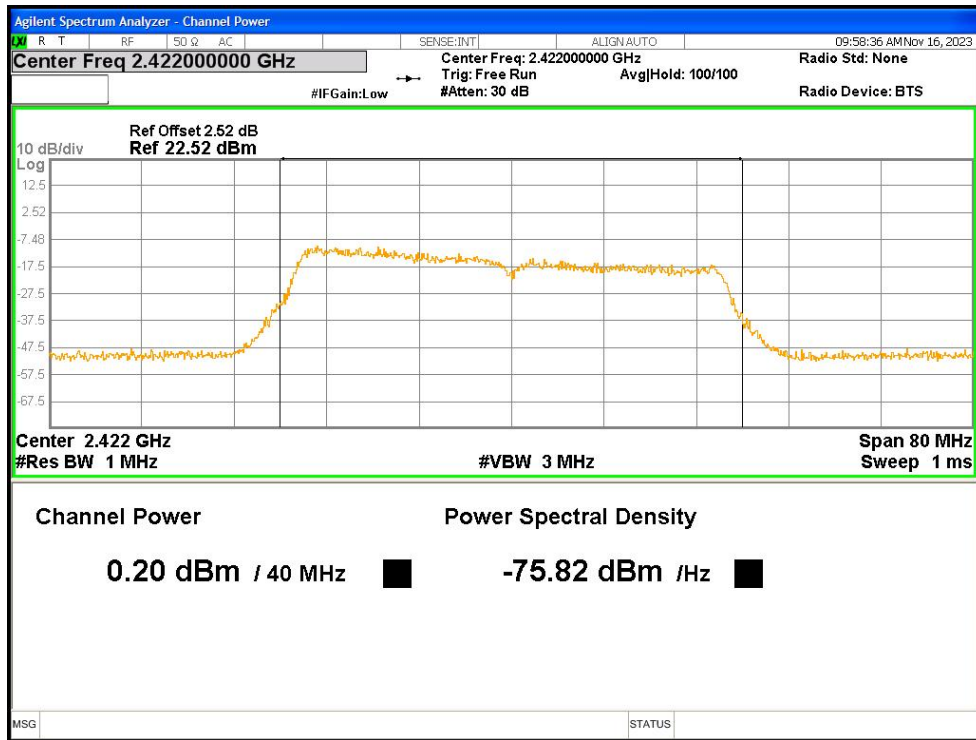
Power NVNT n20 2437MHz Ant1



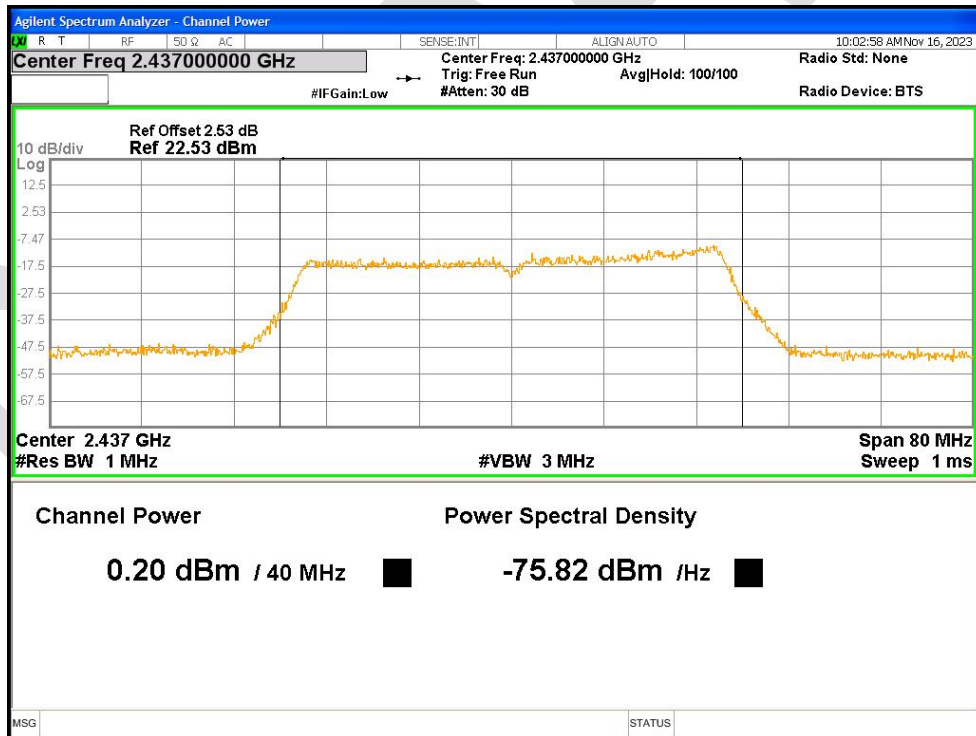
Power NVNT n20 2462MHz Ant1



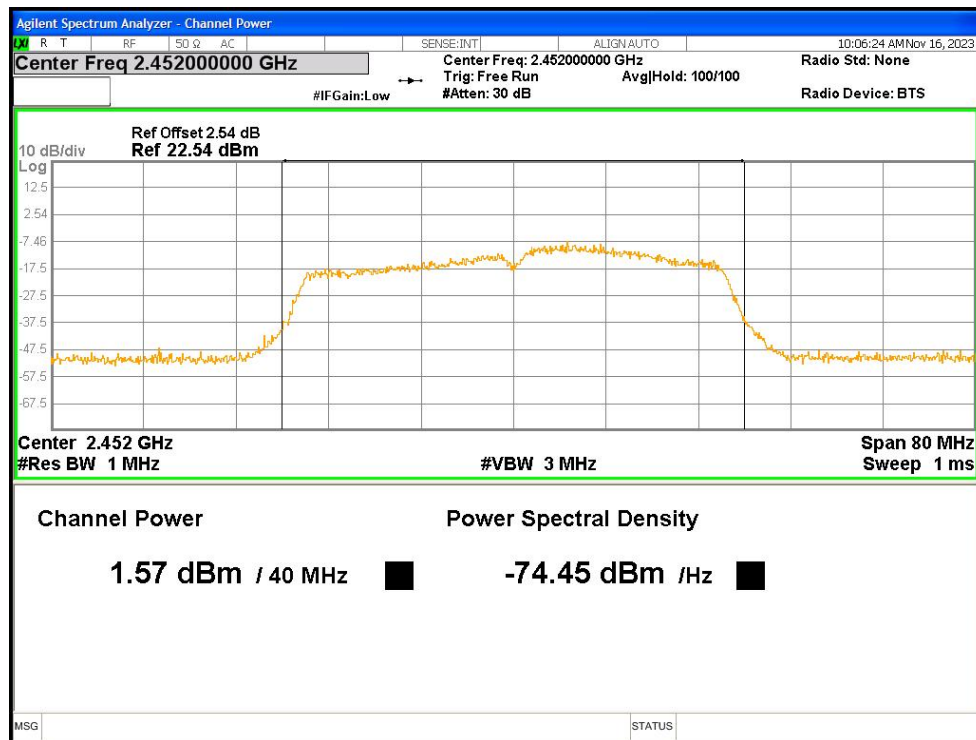
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



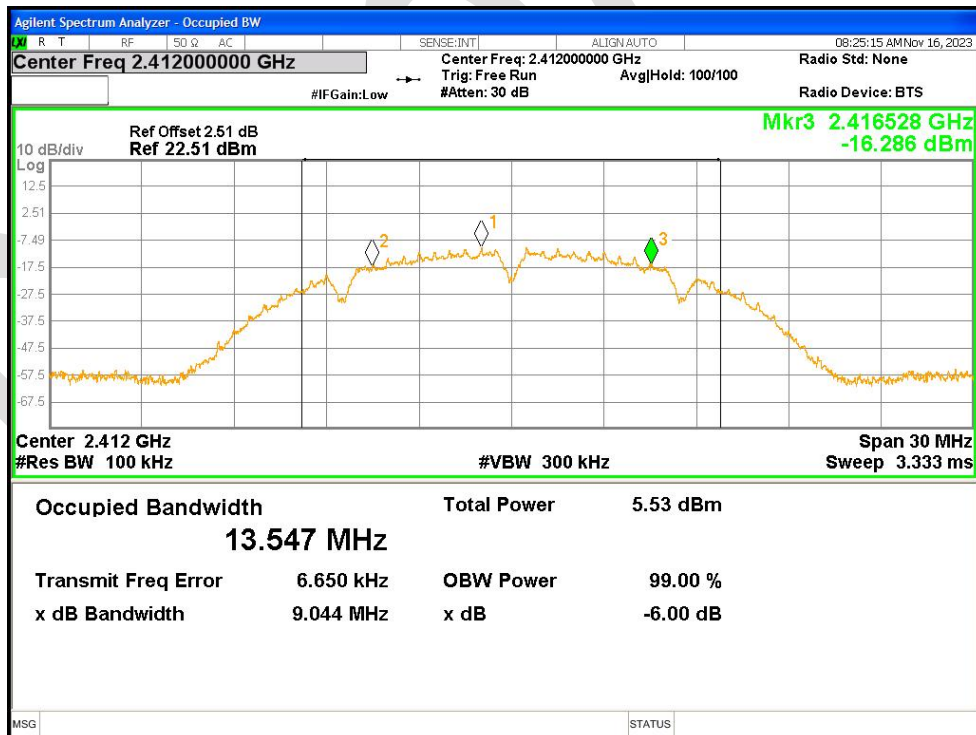
Power NVNT n40 2452MHz Ant1



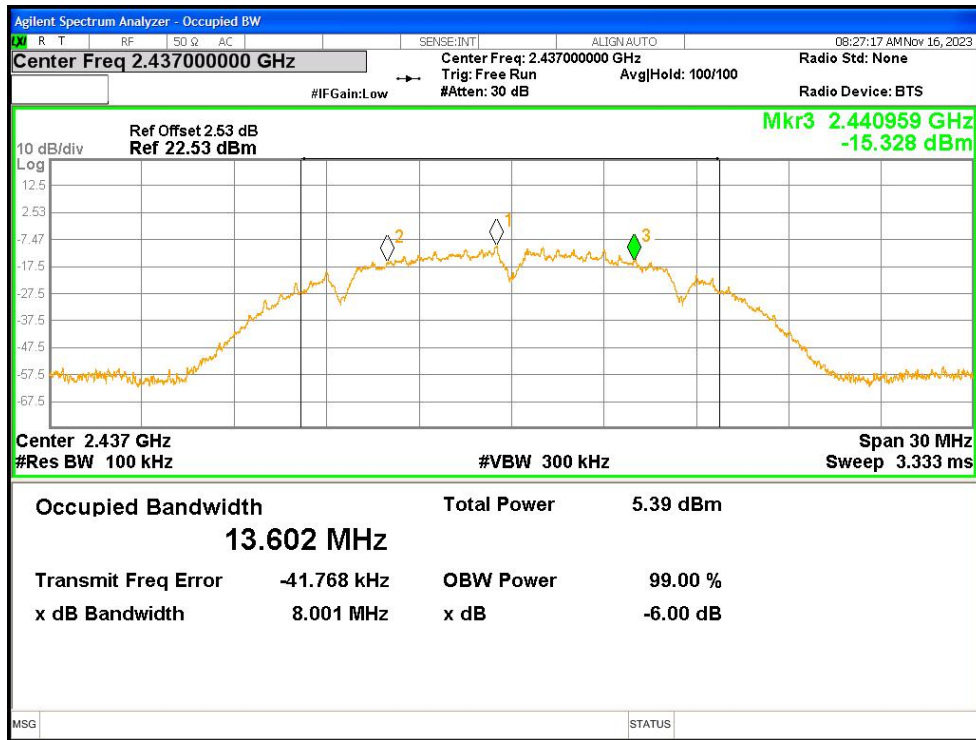
20.2 -6DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.044	0.5	Pass
NVNT	b	2437	Ant1	8.001	0.5	Pass
NVNT	b	2462	Ant1	8.061	0.5	Pass
NVNT	g	2412	Ant1	15.307	0.5	Pass
NVNT	g	2437	Ant1	15.14	0.5	Pass
NVNT	g	2462	Ant1	15.142	0.5	Pass
NVNT	n20	2412	Ant1	15.093	0.5	Pass
NVNT	n20	2437	Ant1	15.134	0.5	Pass
NVNT	n20	2462	Ant1	15.109	0.5	Pass
NVNT	n40	2422	Ant1	23.244	0.5	Pass
NVNT	n40	2437	Ant1	21.976	0.5	Pass
NVNT	n40	2452	Ant1	15.074	0.5	Pass

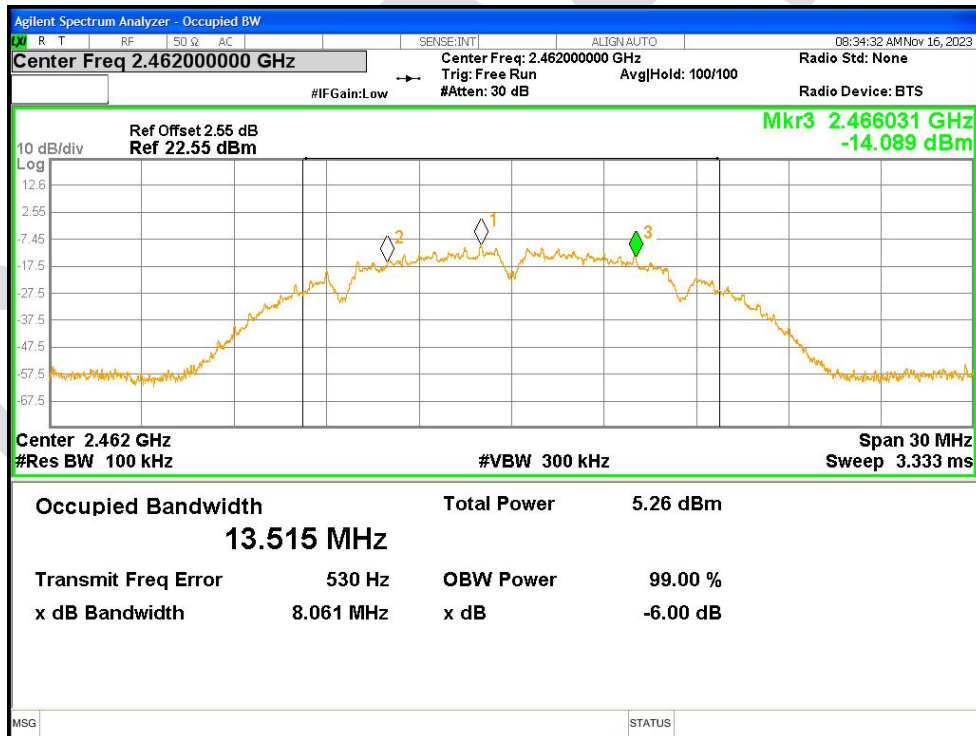
-6dB Bandwidth NVNT b 2412MHz Ant1



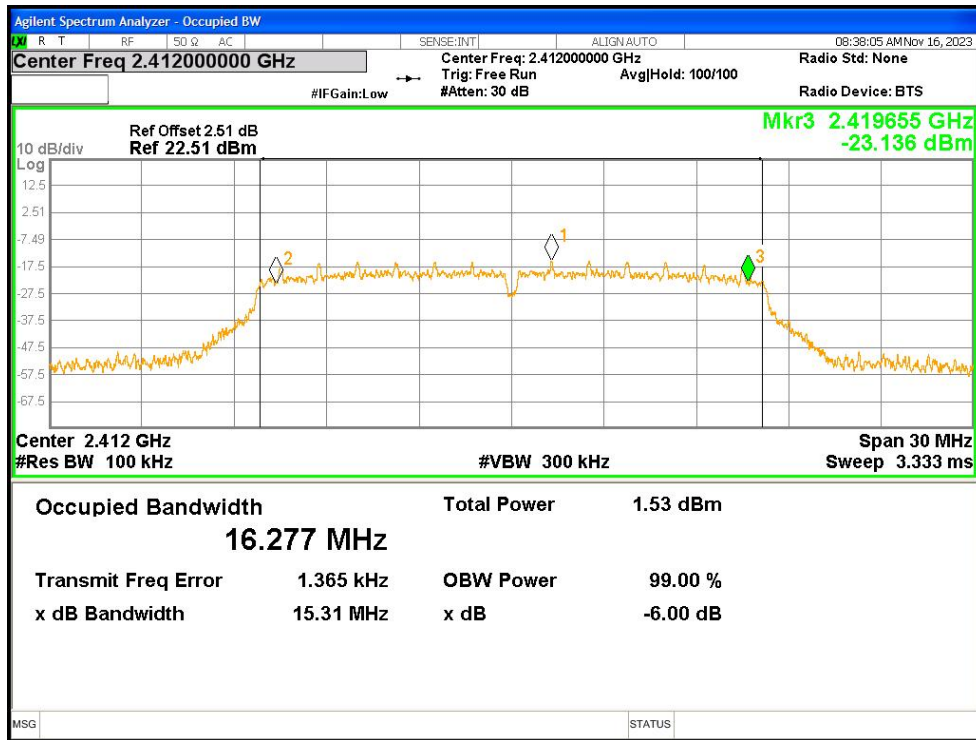
-6dB Bandwidth NVNT b 2437MHz Ant1



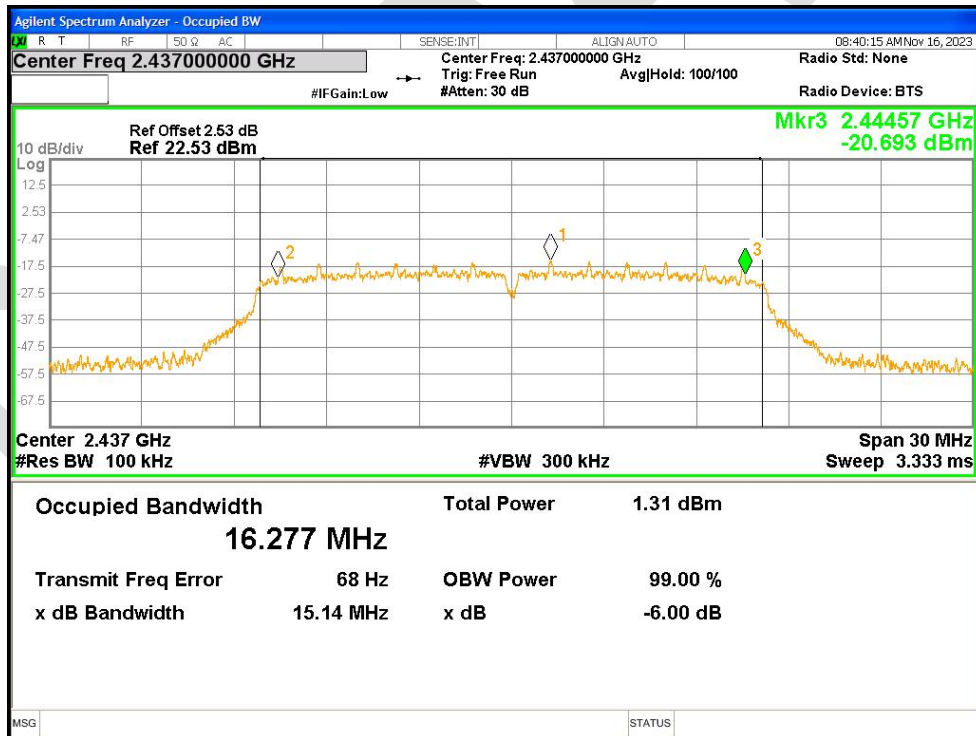
-6dB Bandwidth NVNT b 2462MHz Ant1



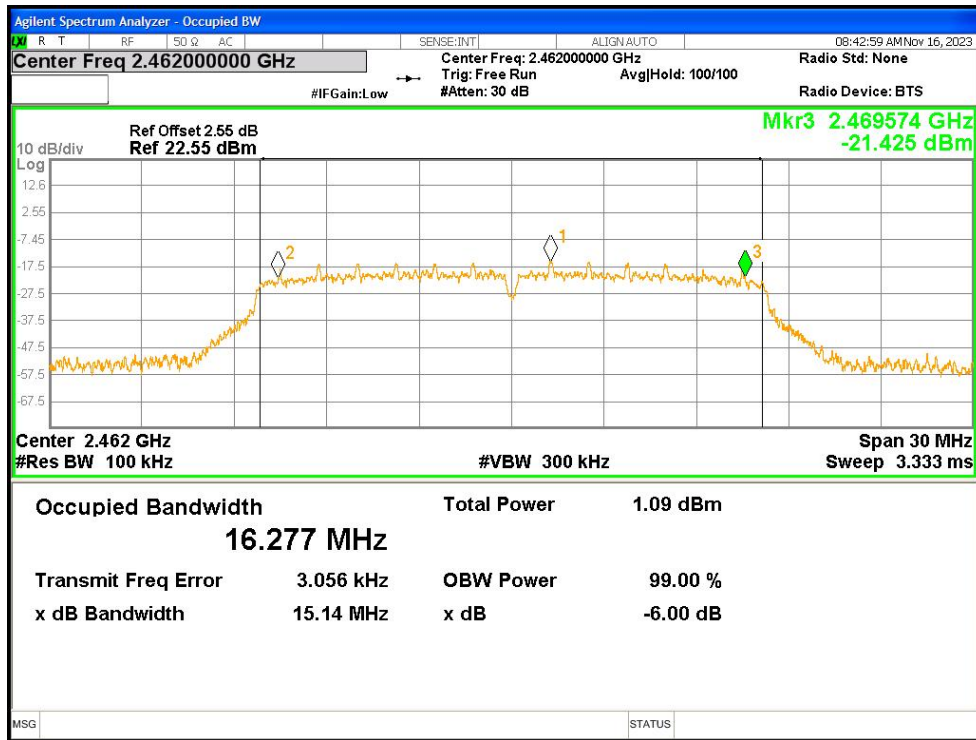
-6dB Bandwidth NVNT g 2412MHz Ant1



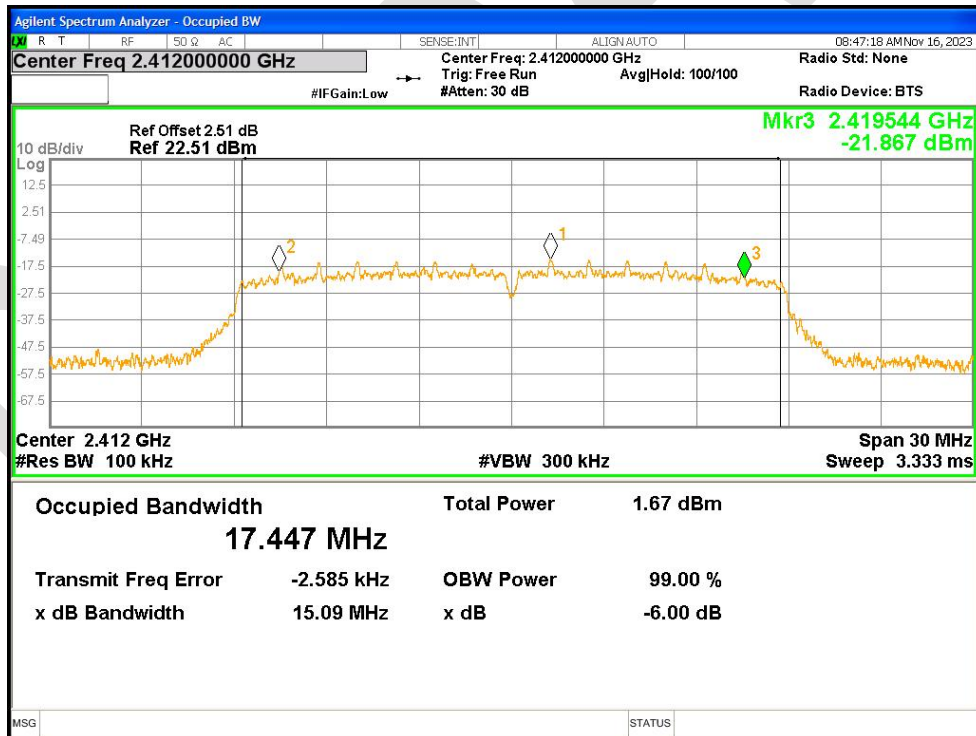
-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1



-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1