



TEST REPORT

Report Number. : R13708588-E3

Applicant : Ademco Inc.
251 Little Falls Dr.
Wilmington, DE, 19808, U.S.A

Model : TH6220WF2006

Contains FCC ID : HS9-TH6220WF01

Contains IC ID : 573R-TH6220WF01

EUT Description : Wifi Thermostat

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C: 2021
ISED RSS-247 ISSUE 2: 2017
ISED RSS-GEN ISSUE 5 + A2: 2021

Date Of Issue:
2021-10-26

Prepared by:
UL LLC
12 Laboratory Dr.
Research Triangle Park, NC 27709 U.S.A.
TEL: (919) 549-1400



REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2021-10-01	Initial Issue	Haley Ackun
V2	2021-10-26	Updated antenna gain info	Haley Ackun

TABLE OF CONTENTS

REPORT REVISION HISTORY	2
TABLE OF CONTENTS	3
1. ATTESTATION OF TEST RESULTS	4
2. TEST RESULTS SUMMARY	5
3. TEST METHODOLOGY	6
4. FACILITIES AND ACCREDITATION	6
5. DECISION RULES AND MEASUREMENT UNCERTAINTY	7
5.1. METROLOGICAL TRACEABILITY	7
5.2. DECISION RULES	7
5.3. MEASUREMENT UNCERTAINTY	7
5.4. SAMPLE CALCULATION	7
6. EQUIPMENT UNDER TEST	8
6.1. EUT DESCRIPTION	8
6.2. MAXIMUM OUTPUT POWER	8
6.3. DESCRIPTION OF AVAILABLE ANTENNAS	8
6.4. SOFTWARE AND FIRMWARE	8
6.5. WORST-CASE CONFIGURATION AND MODE	8
6.6. DESCRIPTION OF TEST SETUP	10
7. MEASUREMENT METHOD	11
8. TEST AND MEASUREMENT EQUIPMENT	12
9. DUTY CYCLE	13
9.1. Antenna 1	13
9.2. Antenna 2	15
10. RADIATED TEST RESULTS	17
10.1. ANTENNA 1	19
10.1.1. TX ABOVE 1 GHz 802.11nHT20 MODE IN THE 2.4 GHz BAND	19
10.1.2. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND	21
10.2. ANTENNA 2	23
10.2.1. TX ABOVE 1 GHz 802.11nHT20 MODE IN THE 2.4 GHz BAND	23
10.2.2. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND	25
11. SETUP PHOTOS	27

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Ademco Inc.
251 Little Falls Dr.
Wilmington, DE, 19808, U.S.A

EUT DESCRIPTION: Wifi Thermostat

MODEL: TH6220WF2006

SERIAL NUMBER: 1942LBJ55642

SAMPLE RECEIPT DATE: 2021-04-13

DATE TESTED: 2021-05-26

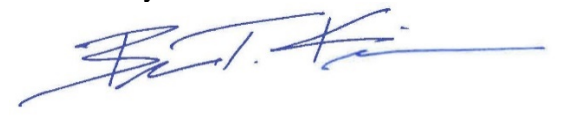
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C: 2021	See Section 2
ISED RSS-247 Issue 2: 2017	See Section 2
ISED RSS-GEN Issue 5 + A2: 2021	See Section 2

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by a2La, NIST, or any agency of the U.S. government.

Approved & Released For
UL LLC. By:



Brian T. Kiewra
Project Engineer
Consumer Technology Division
UL LLC.

Prepared By:



Haley Ackun
Laboratory Engineer
Consumer Technology Division
UL LLC.

2. TEST RESULTS SUMMARY

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment		Duty Cycle	Reporting purposes only	ANSI C63.10 Section 11.6.
-	RSS-GEN 6.7	99% OBW	Not Performed	Refer to Note
15.247 (a) (2)	RSS-247 5.2 (a)	6dB BW		
15.247 (b) (3)	RSS-247 5.4 (d)	Output Power		
See Comment		Average power		
15.247 (e)	RSS-247 5.2 (b)	PSD		
15.247 (d)	RSS-247 5.5	Conducted Spurious Emissions	Not Performed	Refer to Note
15.209, 15.205	RSS-GEN 8.9, 8.10	Radiated Emissions	Complies	Refer to Note
15.207	RSS-Gen 8.8	AC Mains Conducted Emissions	Not Performed	Refer to Note.

Note: The purpose of this report is to ensure continued compliance of a radio module installed in a host. Therefore, these tests are not covered in this report. Refer to the radio module manufacturer's report for the results of these tests.

This report contains data provided by the applicant which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer.

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15: 2021, ANSI C63.10-2013, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, RSS-GEN Issue 5 + A2: 2021, and RSS-247 Issue 2: 2017.

4. FACILITIES AND ACCREDITATION

UL LLC is accredited by a2La, cert. # 0751.06 for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
<input type="checkbox"/>	Building: 12 Laboratory Dr RTP, NC 27709, U.S.A	US0067	2180C	703469
<input checked="" type="checkbox"/>	Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, U.S.A	US0067	27265	703469

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Radio Frequency (Spectrum Analyzer)	141.2 Hz
All emissions, radiated	6.01 dB
Temperature	0.57°C
Humidity	3.39%
DC Supply voltages	1.70%
Time	3.39%

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

$$\text{Field Strength (dBuV/m)} = \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Preamp Gain (dB)}$$
$$36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

$$\text{Final Voltage (dBuV)} = \text{Measured Voltage (dBuV)} + \text{Cable Loss (dB)} + \text{Limiter Factor (dB)} + \text{LISN Insertion Loss.}$$
$$36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$$

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a wifi thermostat that supports BLE and 2.4 GHz WLAN. This report covers radiated spotcheck testing for 2.4 WLAN.

The EUT contains 2 antennas for diversity only.

6.2. MAXIMUM OUTPUT POWER

The purpose of this report is to ensure continued compliance of a radio module installed in a host. Therefore, power measurements are not covered in this report. Refer to radio module manufacturer's report for this testing.

6.3. DESCRIPTION OF AVAILABLE ANTENNAS

The antenna type and gain, as provided by the radio module manufacturer, are as follows:

The radio utilizes 2 PCB antennas, antenna 1 with a maximum gain of 1.8 dBi and antenna 2 with a maximum gain of 1.5 dBi.

6.4. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was 1.6.4.5

The test utility software used during testing was Broadcom wl.exe utility.

6.5. WORST-CASE CONFIGURATION AND MODE

Band edge and radiated emissions between 1GHz and 18GHz were performed with the EUT set to transmit on each antenna on the worst-case channels based on the original filing report.

The fundamental of the EUT was investigated in two orthogonal orientations X, Y, and Z on both antennas; it was determined that X orientation was worst-case orientation for antenna 1 and Y orientation was worst-case orientation for antenna 2; therefore, all final radiated testing was performed with the EUT in X orientation for antenna 1 and Y orientation for antenna 2.

Worst-case data rates as provided by the client were:

802.11b mode: 1 Mbps
802.11nHT20 mode: MCS0

The following scans were performed:

Antenna 1

- 1) Bandedge – 11nHT20, 2412 MHz, MCS0, @ power setting: 54
- 2) Harmonics and Spurious Emissions – 11b, 2437 MHz, 1 Mbps, @ power setting: 70

Antenna 2

- 1) Bandedge – 11nHT20, 2412 MHz, MCS0, @ power setting: 54
- 2) Harmonics and Spurious Emissions – 11b, 2437 MHz, 1 Mbps, @ power setting: 80

6.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Transformer	Honeywell	AT72D 1683	NA	NA
Laptop	Lenovo	Thinkpad	NA	NA

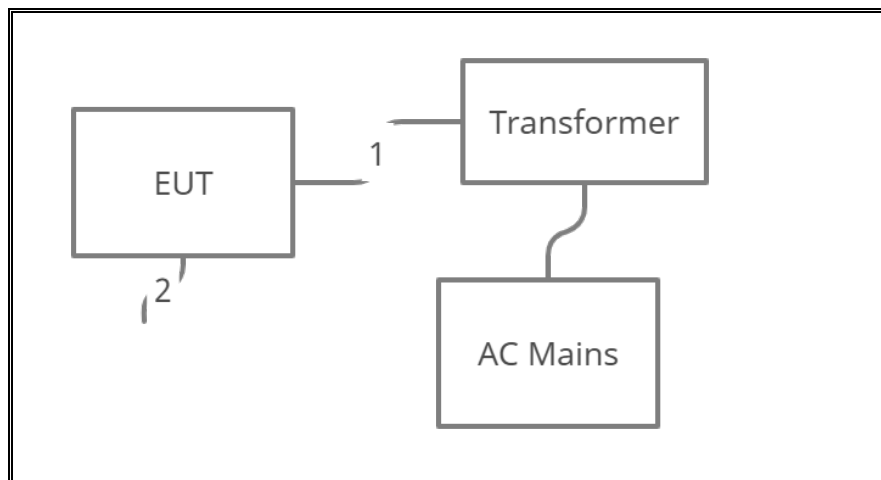
I/O CABLES

I/O Cable List						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	1	1	AC Mains	Shielded	<1m	The EUT is connected to transformer via wallplate with line in and line out wiring.
2	2	1	I/O	Un-shielded	<1m	For configuration only.

TEST SETUP

Test software exercised the radio card.

SETUP DIAGRAM



Note: Cable 2 is a UART cable used for configuration only. This cable was not populated during testing.

7. MEASUREMENT METHOD

Duty Cycle: ANSI C63.10 Section 11.6

Radiated Emissions Restricted Frequency Bands: ANSI C63.10 Subclause -11.12.1 and 6.10.5

General Radiated Spurious Emissions: ANSI C63.10 Sections 6.3 and 6.6

8. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville - South Chamber)

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
	1-18 GHz				
AT0072	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2021-05-03	2022-05-03
	Gain-Loss Chains				
S-SAC03	Gain-loss string: 1-18GHz	Various	Various	2020-07-06	2021-07-06
	Receiver & Software				
197955	Spectrum Analyzer	Rohde & Schwarz	ESW44	2021-03-10	2022-03-10
SOFTEMI	EMI Software	UL	Version 9.5 (2021-03-04)		
	Additional Equipment used				
s/n 200037635	Environmental Meter	Fisher Scientific	06-662-4	2020-01-22	2022-01-22
ATA176	10dB pad	Mini-Circuits	BW-N10W5	2020-08-29	2021-08-29

Note: 10dB pad was only used for bandedge testing.

9. DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

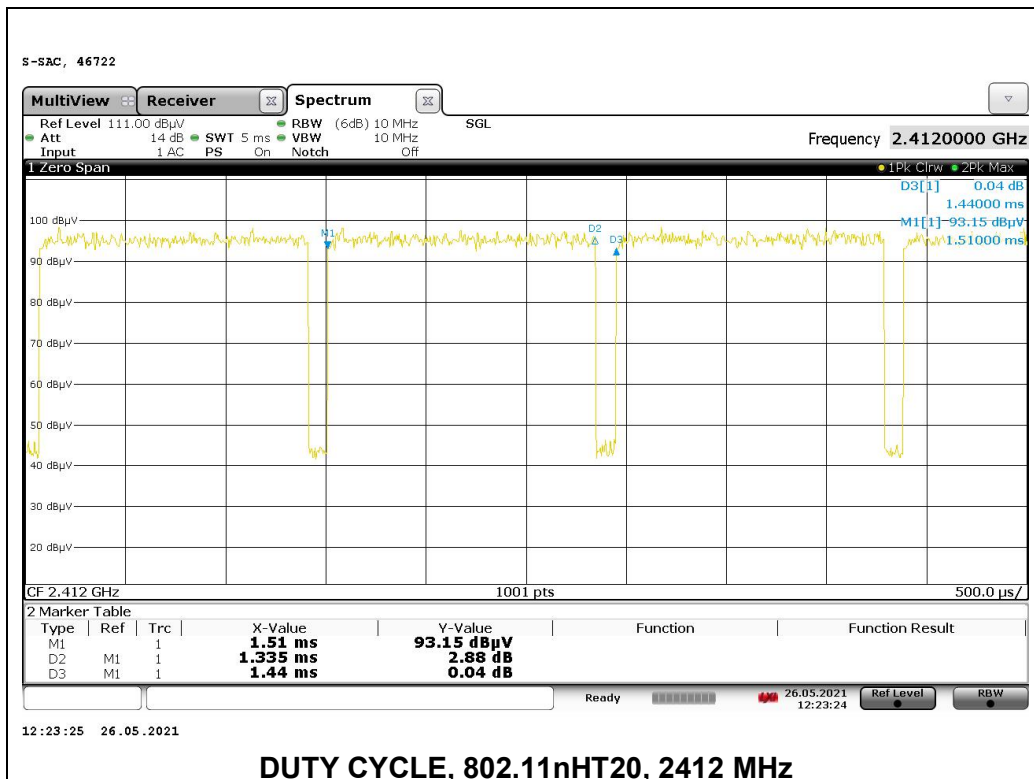
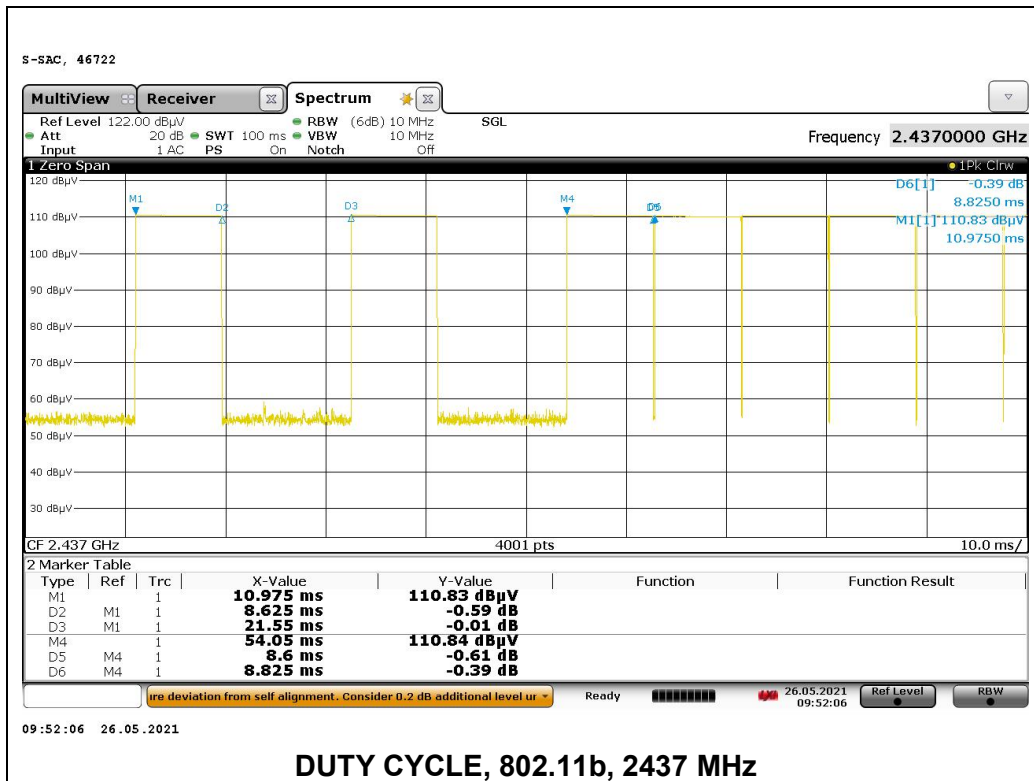
9.1. Antenna 1

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
2.4GHz Band						
802.11b	8.6250	21.55	0.400	40.02%	7.95	0.116
802.11nHT20	1.3350	1.44	0.927	92.71%	0.66	0.749

The worst-case on time was used for all harmonics and spurious scans for 11b modulation only. See harmonics and spurious scan noted in section 10.1. This was done to account for the worst-case on time using 1/Ton. 11nHT20 modulation uses linear voltage averaging using the DCCF calculated above.

DUTY CYCLE PLOTS



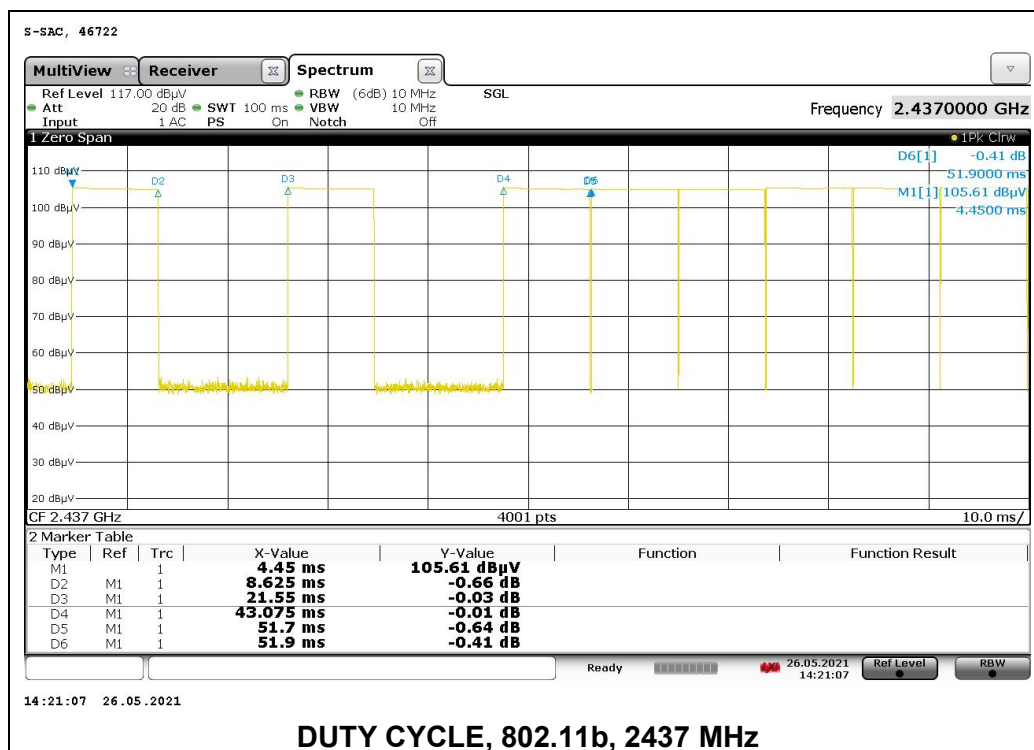
9.2. Antenna 2

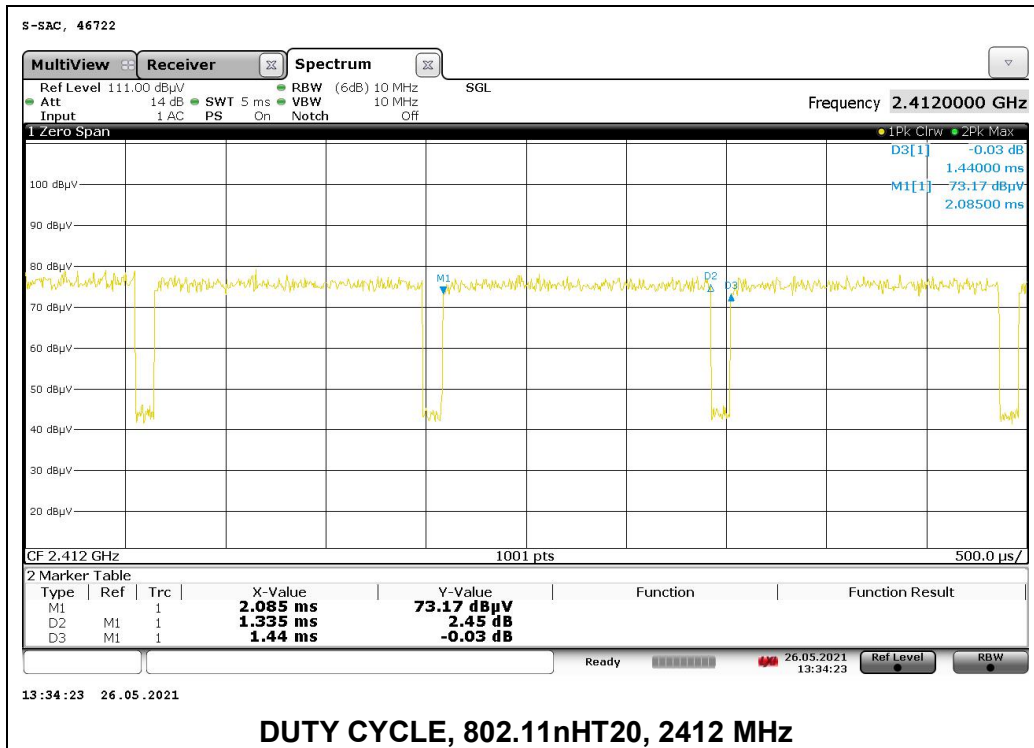
ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
2.4GHz Band						
802.11b	8.625	21.55	0.400	40.02%	7.95	0.116
802.11nHT20	1.3350	1.44	0.927	92.71%	0.66	0.749

The worst-case on time was used for all harmonics and spurious scans for 11b modulation only. See harmonics and spurious scan noted in section 10.2. This was done to account for the worst-case on time using 1/Ton. 11nHT20 modulation uses linear voltage averaging using the DCCF calculated above.

DUTY CYCLE PLOTS





10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

RSS-GEN, Section 8.9 and 8.10

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements; as applicable for linear voltage averaging measurements for 11nHT20 testing only. Also, for this test program 1/Ton was used where Ton was the worst-case on time of the radios tested during the scan for 11b testing only.

The spectrum from 1 GHz to 18 GHz is investigated on each antenna with the transmitter set to the worst-case channels based on the original filing report

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

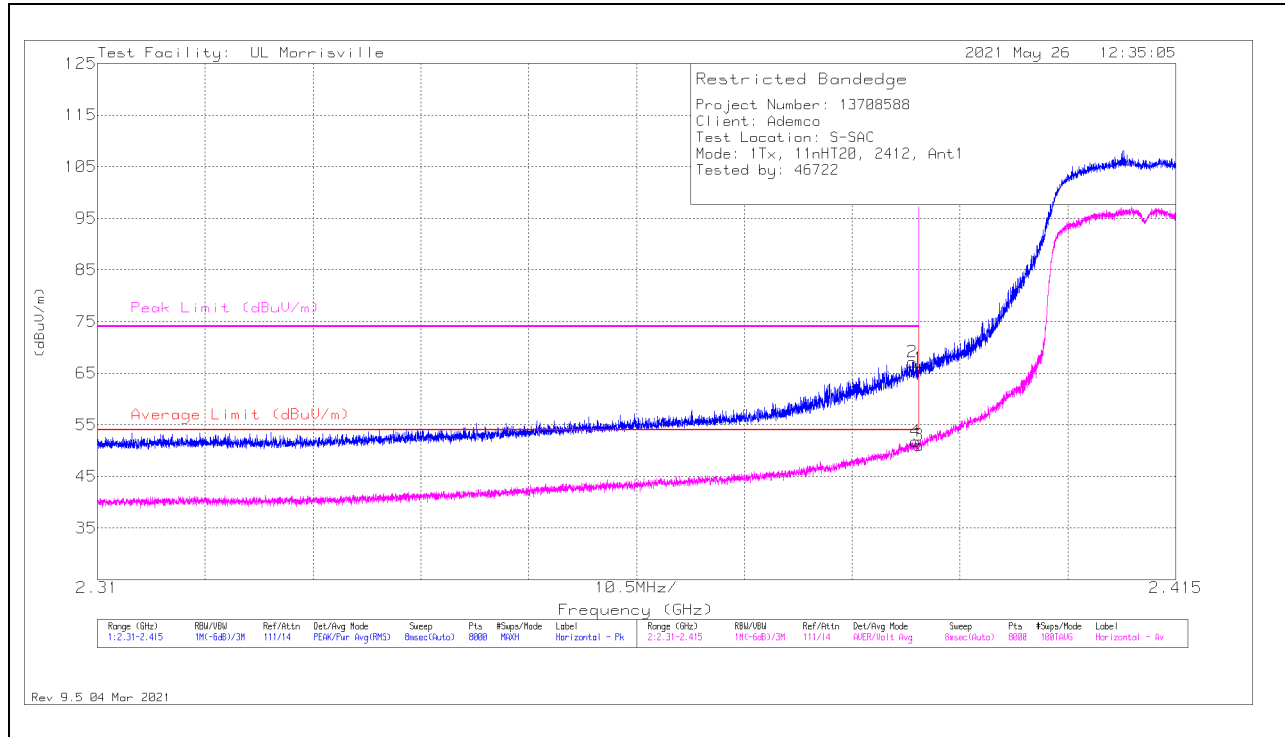
OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

10.1. ANTENNA 1

10.1.1. TX ABOVE 1 GHz 802.11nHT20 MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cb/Filtr/Pad (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 2.39	48.03	Pk	31.9	-24	10	0	65.93	-	-	74	-8.07	68	270	H
2	*** 2.38938	49.33	Pk	31.9	-24	10	0	67.23	-	-	74	-6.77	68	270	H
3	* ** 2.39	32.51	ADV	31.9	-24	10	.66	51.07	54	-2.93	-	-	68	270	H
4	*** 2.38968	33.25	ADV	31.9	-24	10	.66	51.81	54	-2.19	-	-	68	270	H

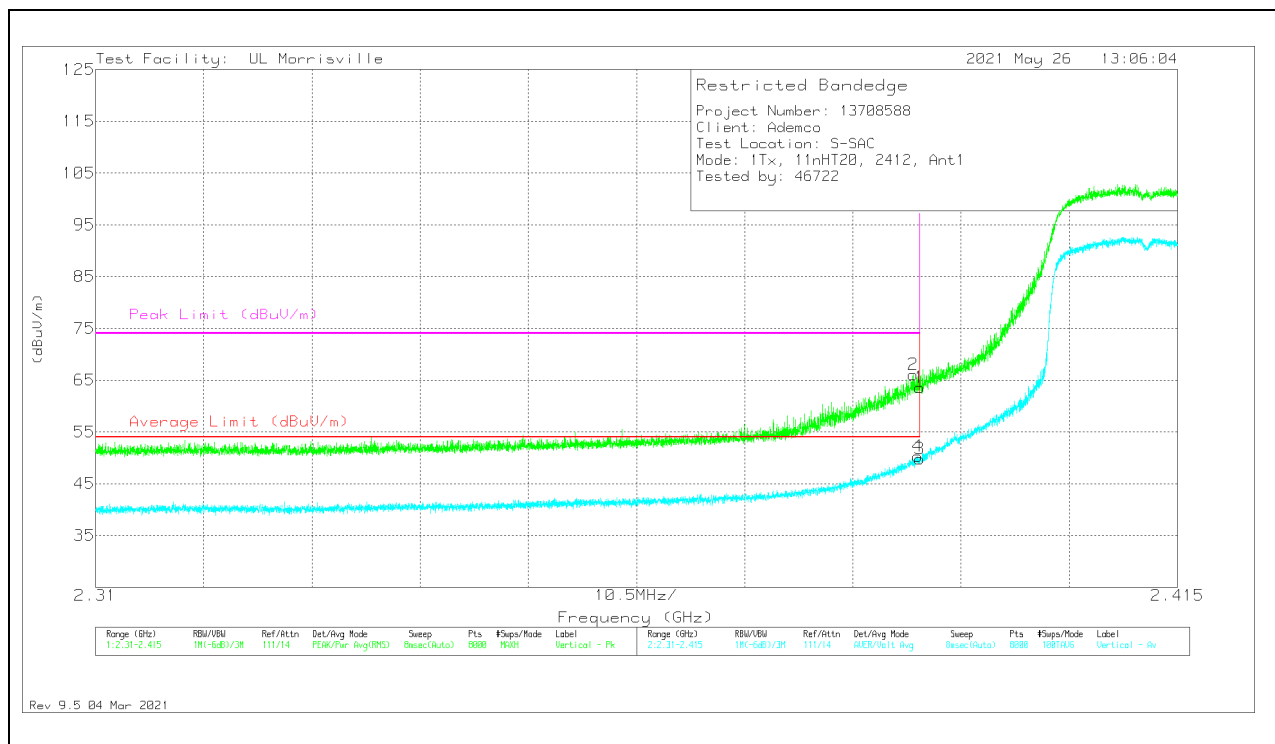
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



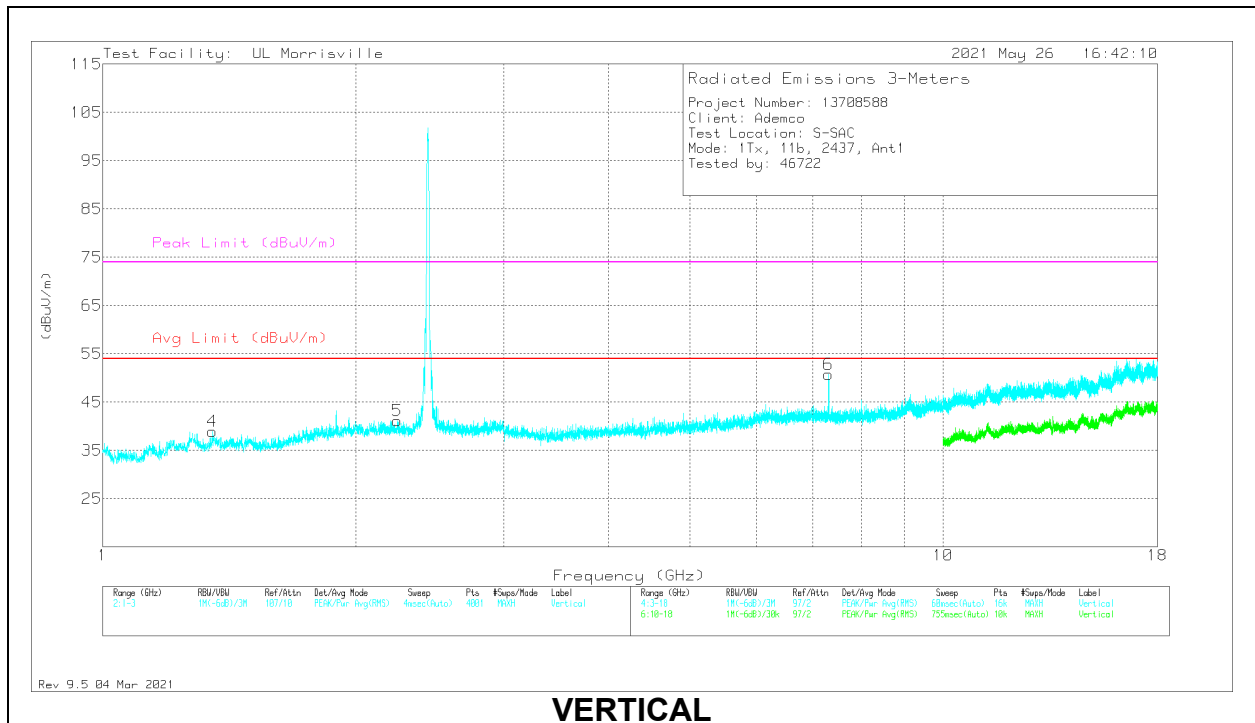
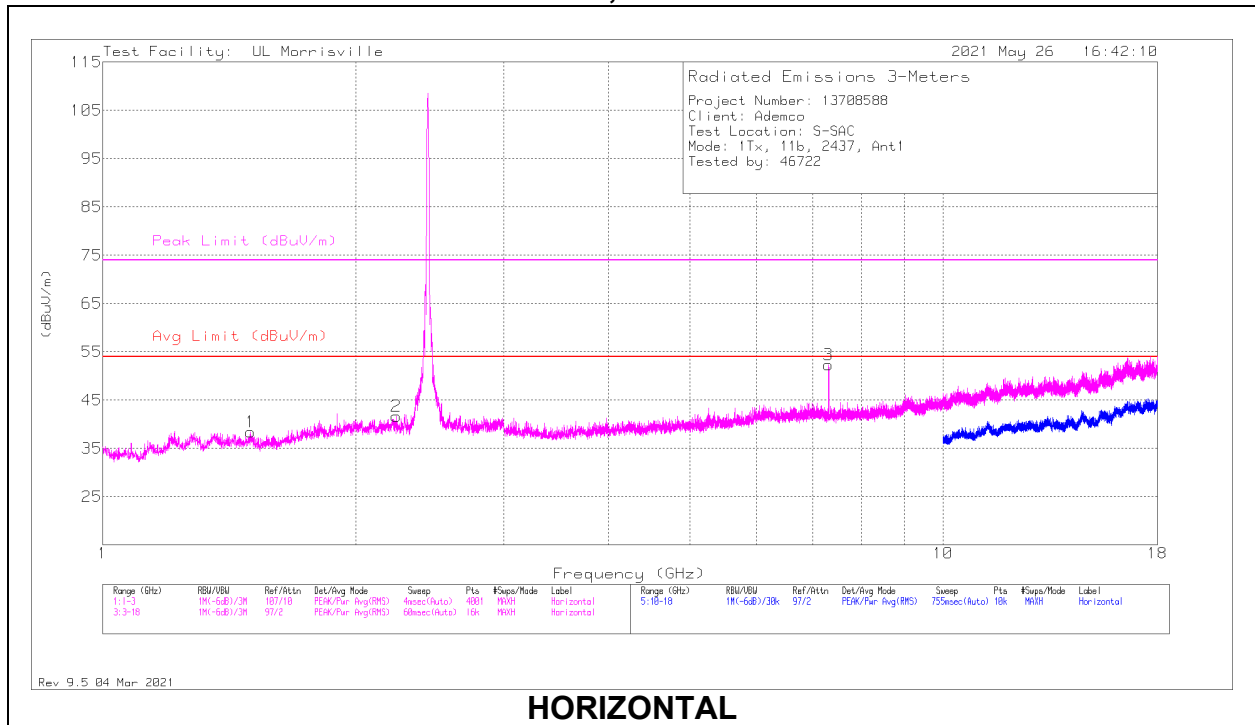
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	45.72	Pk	31.9	-24	10	0	63.62	-	-	74	-10.38	257	352	V
2	* ** 2.38933	48.15	Pk	31.9	-24	10	0	66.05	-	-	74	-7.95	257	352	V
3	* ** 2.39	31.21	ADV	31.9	-24	10	.66	49.77	54	-4.23	-	-	257	351	V
4	* ** 2.38981	31.73	ADV	31.9	-24	10	.66	50.29	54	-3.71	-	-	257	351	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

10.1.2. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.499	32.14	Pk	28.7	-22.4	38.44	54	-15.56	74	-35.56	0-360	199	H
2	*** 2.2355	33.19	Pk	31.8	-23.3	41.69	54	-12.31	74	-32.31	0-360	199	H
4	*** 1.3505	32.58	Pk	29.3	-22.9	38.98	54	-15.02	74	-35.02	0-360	199	V
5	*** 2.2415	32.7	Pk	31.8	-23.3	41.2	54	-12.8	74	-32.8	0-360	101	V
3	*** 7.3112	47.57	PK2	35.7	-27.5	55.77	-	-	74	-18.23	121	111	H
	*** 7.31018	29.44	V1TV	35.7	-27.5	37.64	54	-16.36	-	-	121	111	H
6	*** 7.31135	45.3	PK2	35.7	-27.5	53.5	-	-	74	-20.5	243	199	V
	*** 7.3117	38.82	V1TV	35.7	-27.5	47.02	54	-6.98	-	-	243	199	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

V1TV - U-NII: VB=1/Ton, Linear Voltage Average where: Ton is packet duration

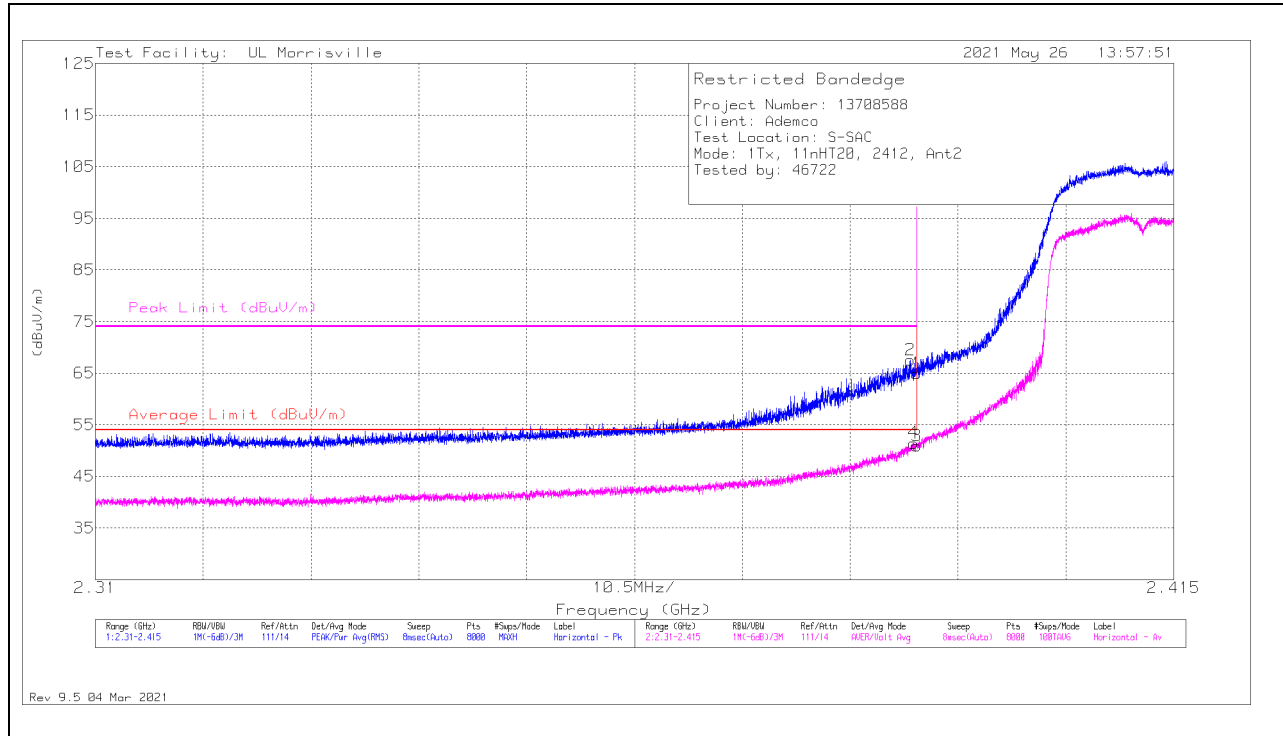
Note: The worst-case on time was used based on DC measured for 11b. See section 9.1 for DC correction calculation.

10.2. ANTENNA 2

10.2.1. TX ABOVE 1 GHz 802.11nHT20 MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	47.03	Pk	31.9	-24	10	0	64.93	-	-	74	-9.07	207	171	H
2	* ** 2.38933	49.61	Pk	31.9	-24	10	0	67.51	-	-	74	-6.49	207	171	H
3	* ** 2.39	32.4	ADV	31.9	-24	10	.66	50.96	54	-3.04	-	-	207	171	H
4	* ** 2.38968	32.91	ADV	31.9	-24	10	.66	51.47	54	-2.53	-	-	207	171	H

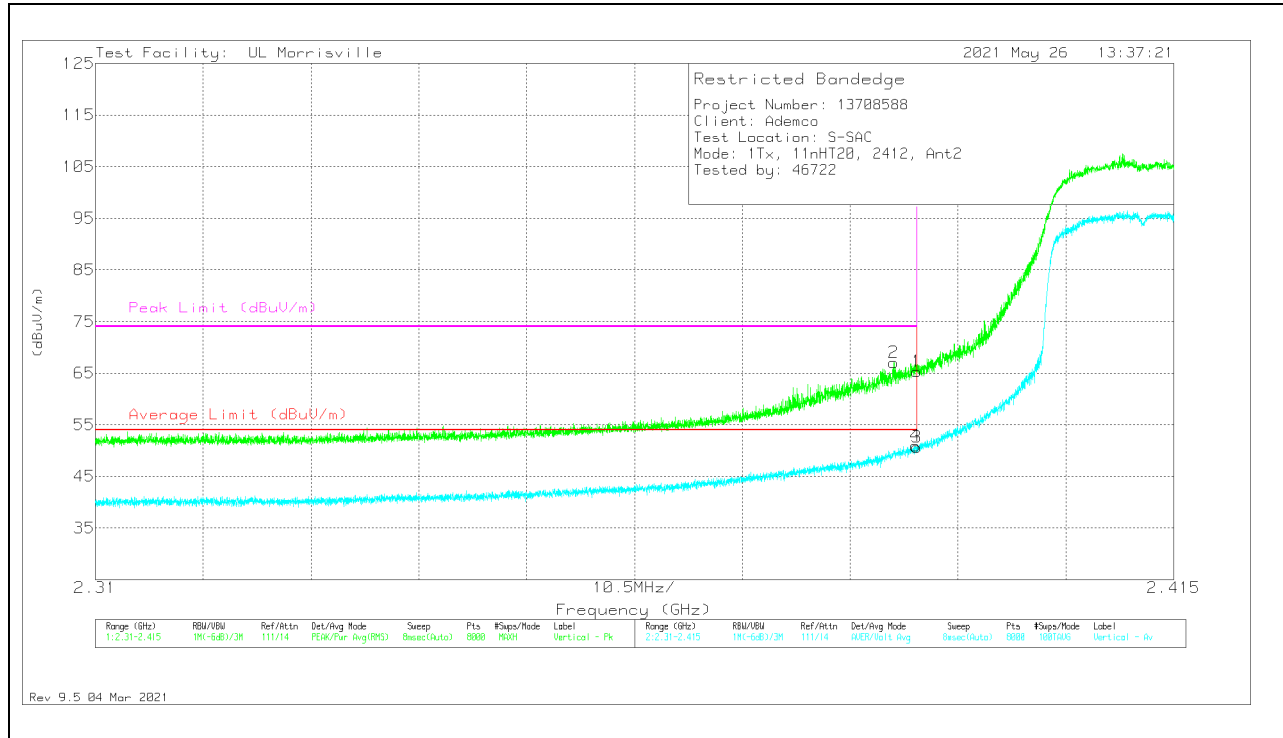
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



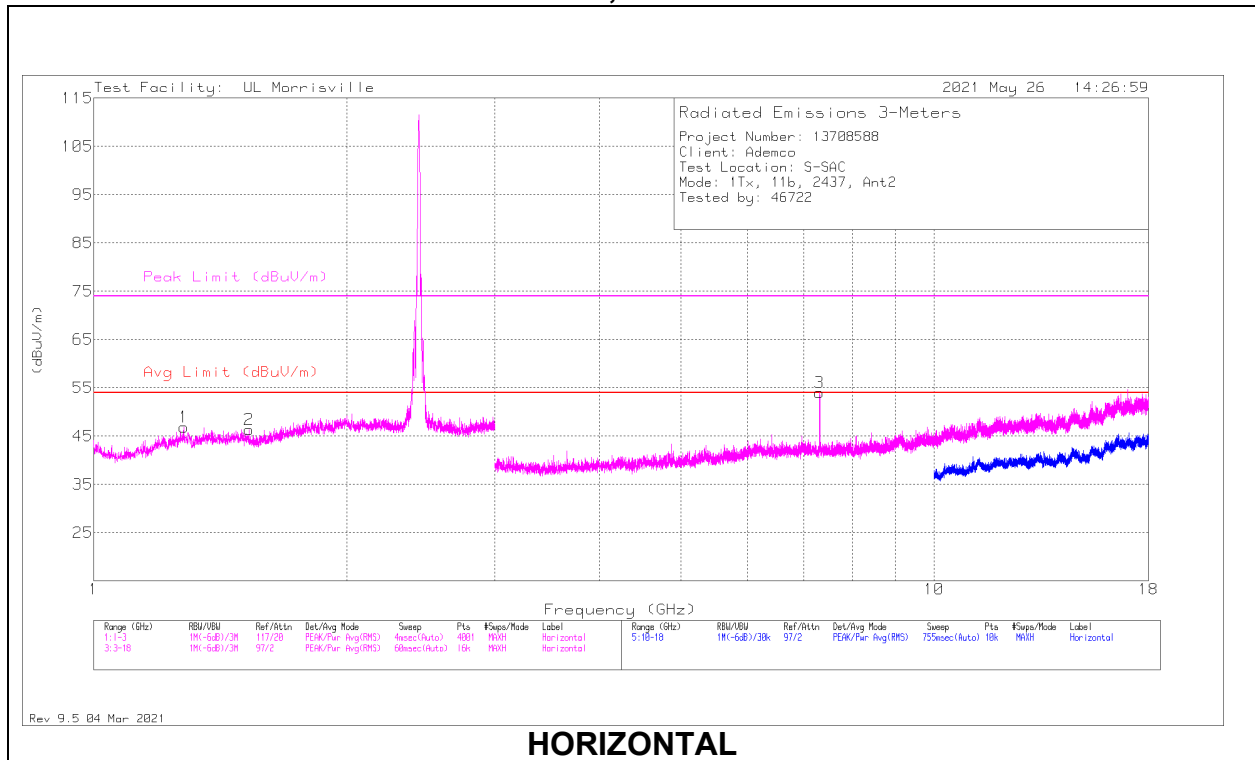
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.39	47.37	Pk	31.9	-24	10	0	65.27	-	-	74	-8.73	118	282	V
2	* ** 2.38775	49.06	Pk	32	-24	10	0	67.06	-	-	74	-6.94	118	282	V
3	* ** 2.39	32.11	ADV	31.9	-24	10	.66	50.67	54	-3.33	-	-	118	282	V
4	* ** 2.38986	32.37	ADV	31.9	-24	10	.66	50.93	54	-3.07	-	-	118	282	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV -Linear Voltage Average

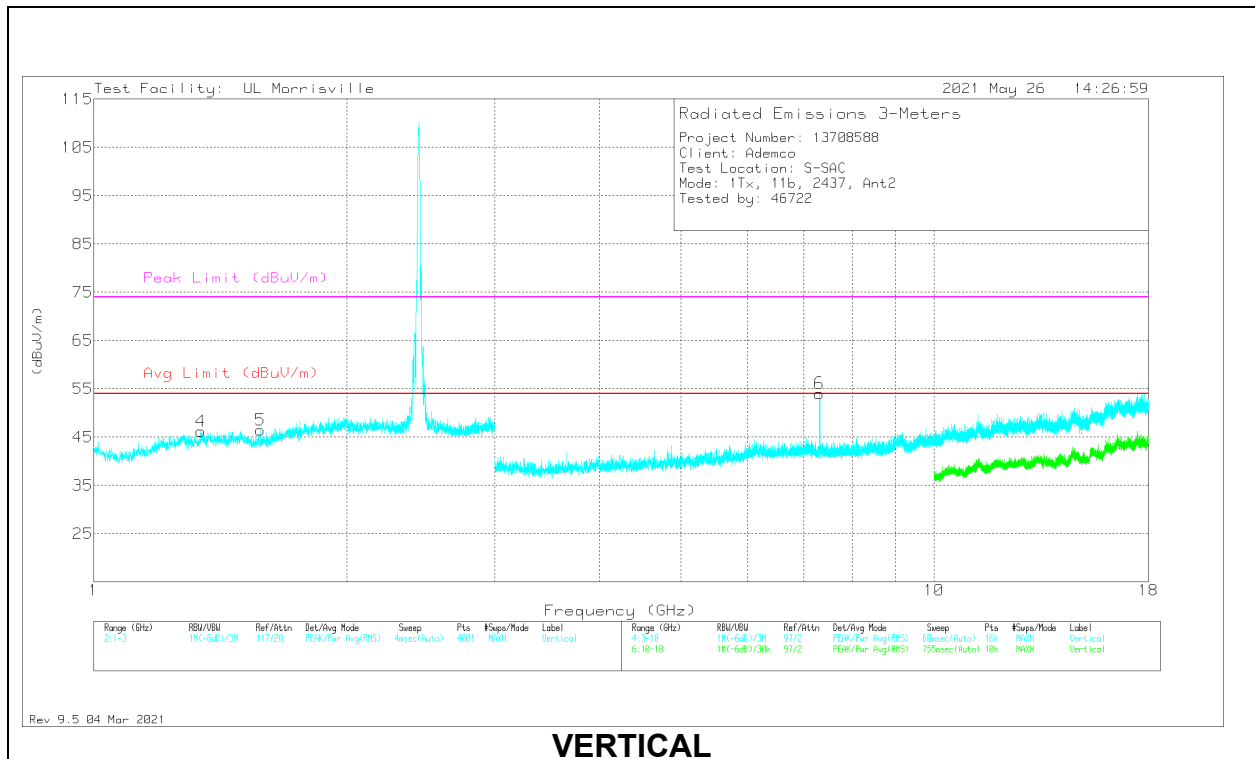
10.2.2. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.28	40.52	Pk	29.6	-23.2	46.92	54	-7.08	74	-27.08	0-360	200	H
2	*** 1.531	40.73	Pk	28	-22.4	46.33	54	-7.67	74	-27.67	0-360	101	H
4	*** 1.3405	40.07	Pk	29	-22.9	46.17	54	-7.83	74	-27.83	0-360	200	V
5	*** 1.579	40.83	Pk	27.9	-22.3	46.43	54	-7.57	74	-27.57	0-360	200	V
3	*** 7.3114	48.2	PK2	35.7	-27.5	56.4	-	-	74	-17.6	20	206	H
	*** 7.31171	43.01	V1TV	35.7	-27.5	51.21	54	-2.79	-	-	20	206	H
6	*** 7.31128	48.15	PK2	35.7	-27.5	56.35	-	-	74	-17.65	299	180	V
	*** 7.31168	42.31	V1TV	35.7	-27.5	50.51	54	-3.49	-	-	299	180	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

V1TV - U-NII: VB=1/Ton, Linear Voltage Average where: Ton is packet duration

Note: The worst-case on time was used based on DC measured for 11b. See section 9.2 for DC correction calculation.