



CERTIFICATION TEST REPORT

Report Number. : 12085703-E2V2

Applicant : SONY MOBILE COMMUNICATIONS INC.
4-12-3 HIGASHI-SHINAGAWA, SHINAGAWA-KU
TOKYO, 140-0002, JAPAN

FCC ID : PY7-00718V

EUT Description : GSM/WCDMA/LTE PHONE with BT, DTS/UNII a/b/g/n/ac & NFC

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E (EXCEPT DFS)

Date Of Issue:
February 14, 2018

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Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2/13/18	Initial Issue	Dan Corona
V2	2/14/18	Updated Section 1, 6.3 & Added Section 8	Kiya Kedida

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS.....	5
2. TEST METHODOLOGY	6
3. FACILITIES AND ACCREDITATION.....	6
4. CALIBRATION AND UNCERTAINTY	6
4.1. MEASURING INSTRUMENT CALIBRATION	6
4.2. SAMPLE CALCULATION.....	6
4.3. MEASUREMENT UNCERTAINTY.....	7
5. EQUIPMENT UNDER TEST	8
5.1. DESCRIPTION OF EUT.....	8
6. REUSE OF TEST DATA	9
6.1. INTRODUCTION.....	9
6.2. DEVICES DIFFERENCES	9
6.3. SPOT CHECK VERIFICATION RESULTS SUMMARY	9
6.4. REFERENCE DETAIL.....	9
7. SPOT CHECK DATA	10
7.1. 11a HT20 2TX CDD MIMO MODE IN THE 5.2GHz BAND.....	10
7.1.1. BANDEDGE (LOW CHANNEL)	10
7.1.2. HARMONICS AND SPURIOUS EMISSIONS	12
8. ADDITIONAL TEST DATA	14
8.1.1. 11a 2TX CDD MIMO MODE IN THE 5.2GHz BAND	14
8.1.2. 11n HT20 2TX CDD MIMO MODE IN THE 5.2GHz BAND	18
8.1.3. 11n HT40 2TX CDD MIMO MODE IN THE 5.2GHz BAND	26
8.1.4. 11ac HT80 2TX CDD MIMO MODE IN THE 5.2GHz BAND	32
8.1.5. 11a 2TX CDD MIMO MODE IN THE 5.3GHz BAND	36
8.1.6. 11n HT20 2TX CDD MIMO MODE IN THE 5.3GHz BAND	44
8.1.7. 11n HT40 2TX CDD MIMO MODE IN THE 5.3GHz BAND	52
8.1.8. 11ac HT80 2TX CDD MIMO MODE IN THE 5.3GHz BAND	58
8.1.9. 11a 2TX CDD MIMO MODE IN THE 5.6GHz BAND	62
8.1.10. 11n HT20 2TX CDD MIMO MODE IN THE 5.6GHz BAND.....	76
8.1.11. 11n HT40 2TX CDD MIMO MODE IN THE 5.6GHz BAND.....	90
8.1.12. 11ac HT80 2TX CDD MIMO MODE IN THE 5.6GHz BAND.....	104
8.1.13. 11a 2TX CDD MIMO MODE IN THE 5.8GHz BAND.....	114
8.1.14. 11n HT20 2TX CDD MIMO MODE IN THE 5.8GHz BAND.....	124
8.1.15. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND.....	134
8.1.16. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND.....	142

9. SETUP PHOTOS.....	148
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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SONY MOBILE COMMUNICATIONS INC.
4-12-3 HIGASHI-SHINAGAWA, SHINAGAWA-KU
TOKYO, 140-0002, JAPAN

EUT DESCRIPTION: GSM/WCDMA/LTE PHONE with BT, DTS/UNII a/b/g/n/ac, & NFC

SERIAL NUMBER: QV70005A16 & QV70005B16

DATE TESTED: December 26- JANUARY 5, 2018

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E (EXCEPT DFS)	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. 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 NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL Verification Services Inc By:

Prepared By:



Dan Corona
Operations Leader
UL Verification Services Inc.



Kiya Kedida
Project Engineer
UL Verification Services Inc.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, FCC KDB 662911 D01 v02r01, FCC KDB 789033 D02 v02r01, ANSI C63.10-2013 and KDB 484596 D01 v01 Referencing Test Data DR01-42712.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street
☒ Chamber A(ISED: 2324B-1)	☐ Chamber D(ISED: 22541-1)
☒ Chamber B(ISED: 2324B-2)	☐ Chamber E(ISED: 22541-2)
☒ Chamber C(ISED: 2324B-3)	☒ Chamber F(ISED: 22541-3)
	☒ Chamber G(ISED: 22541-4)
	☐ Chamber H(ISED: 22541-5)

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. Chambers A through C are covered under Industry Canada company address code 2324B with site numbers 2324B -1 through 2324B-3, respectively. Chambers D through H are covered under Industry Canada company address code 22541 with site numbers 22541 -1 through 22541-5, respectively.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

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

4.3. MEASUREMENT UNCERTAINTY

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

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

Parameter	Uncertainty
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.84 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.65 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	3.15 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	5.36 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.32 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.45 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.24 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, & NFC.

6. REUSE OF TEST DATA

6.1. INTRODUCTION

According to the manufacturer, FCC ID: PY7-21831A and FCC ID: PY7-00718V licensed and unlicensed radios (WWAN/WLAN/BT/BLE/NFC) are electrically identical. The FCC ID: PY7-21831A test data shall remain representative of FCC ID: PY7-00718V so, FCC ID: PY7-00718V leverages test data from FCC ID: PY7-21831A.

The applicant takes full responsibility that the test data as referenced in this section represents compliance for this FCC ID.

6.2. DEVICES DIFFERENCES

Difference between PY7-21831A and PY7-00718V:

- Conducted power all same (i.e. Cellular band and WLAN)
- For cellular band, all cellular bands will change the antenna perspective which is listed as below (i.e. antenna gain, pattern, and matching circuit), Hence RSE and SAR has been tested for all bands.
 - LTE: B2/B4/B5/B7/B12/B13/B17/B26/B41/B66 (*B29 Rx only no impact)
 - UMTS: B2/B4/B5
 - GSM: 850/1900
- For WLAN only 2.4GHz/5GHz chain 1 will change from antenna gain perspective. (i.e. WLAN 2.4GHz and 5GHz WLAN chain 0, PY7-00718V is same as PY7-21831A).

Please refer to operational description for details.

6.3. SPOT CHECK VERIFICATION RESULTS SUMMARY

Spot check verification has been done on device PY7-00718V for radiated bandedge and harmonic spurious emissions. The data from the application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary and appendix A.

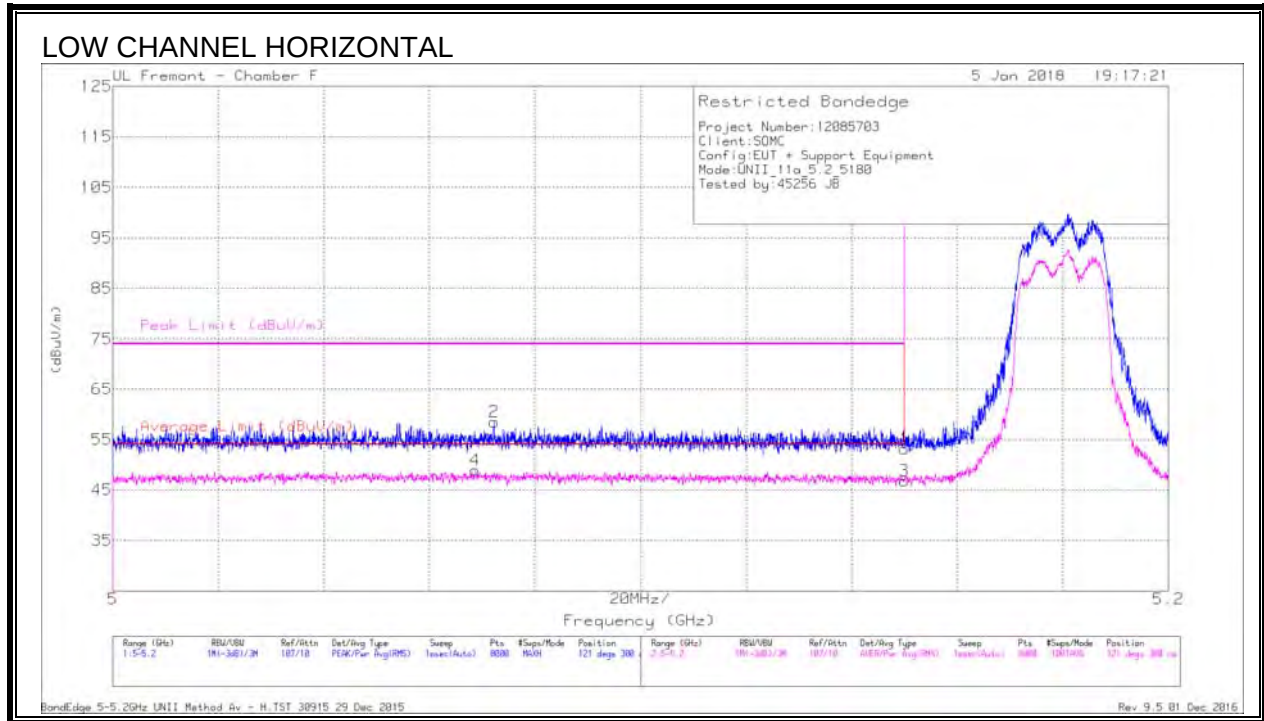
6.4. REFERENCE DETAIL

Equipment Class	Reference FCC ID	Report Title/Section
NII (UNII WLAN)	PY7-21831A	12073310-E5V3 FCC Report UNII

7. SPOT CHECK DATA

7.1. 11a HT20 2TX CDD MIMO MODE IN THE 5.2GHz BAND

7.1.1. BANDEDGE (LOW CHANNEL)



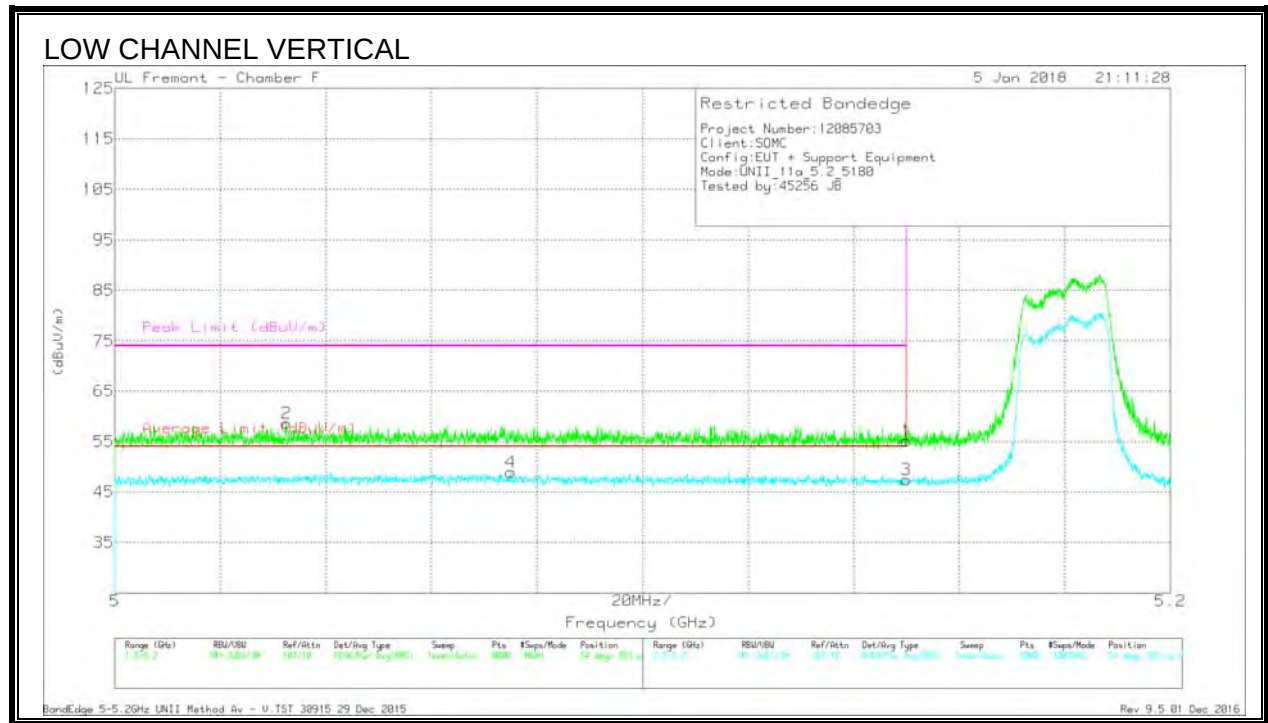
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/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	* 5.15	36.93	Pk	34.5	-18.3	0	53.13	-	-	74	-20.87	121	300	H
2	* 5.072	42.64	Pk	34.3	-18.4	0	58.54	-	-	74	-15.46	121	300	H
3	* 5.15	30.52	RMS	34.5	-18.3	.13	46.85	54	-7.15	-	-	121	300	H
4	* 5.069	32.87	RMS	34.3	-18.4	.13	48.9	54	-5.1	-	-	121	300	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/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	* 5.15	38.89	Pk	34.5	-18.3	0	55.09	-	-	74	-18.91	54	393	V
2	* 5.033	42.94	Pk	34.2	-18.5	0	58.64	-	-	74	-15.36	54	393	V
3	* 5.15	31.05	RMS	34.5	-18.3	.13	47.38	54	-6.62	-	-	54	393	V
4	* 5.075	32.96	RMS	34.3	-18.5	.13	48.89	54	-5.11	-	-	54	393	V

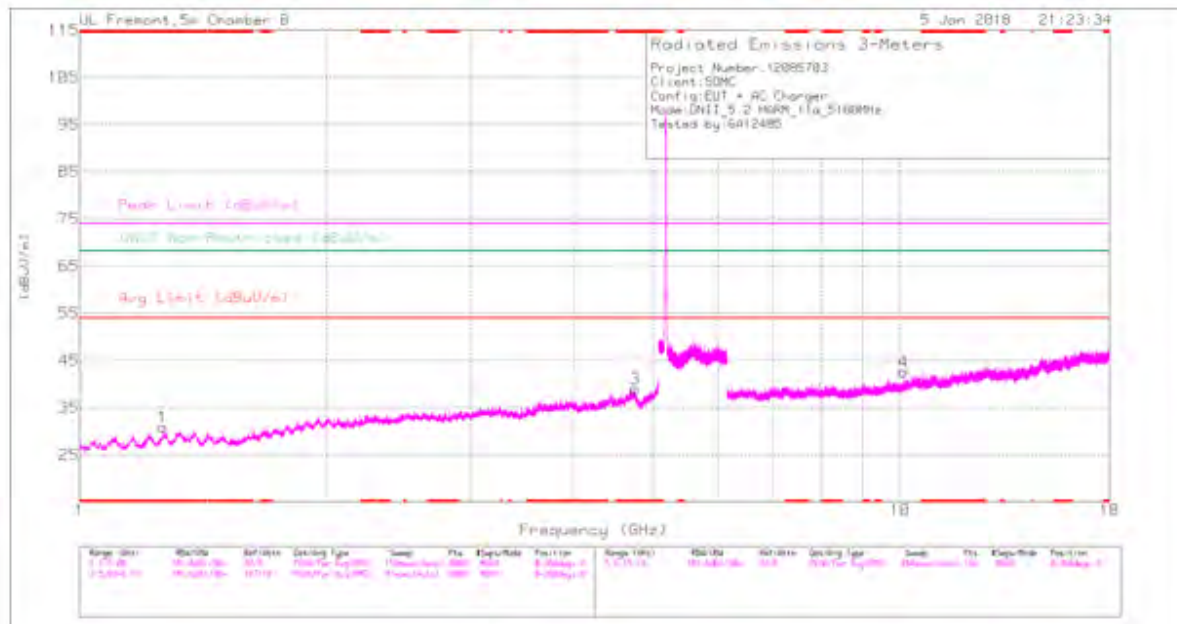
* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

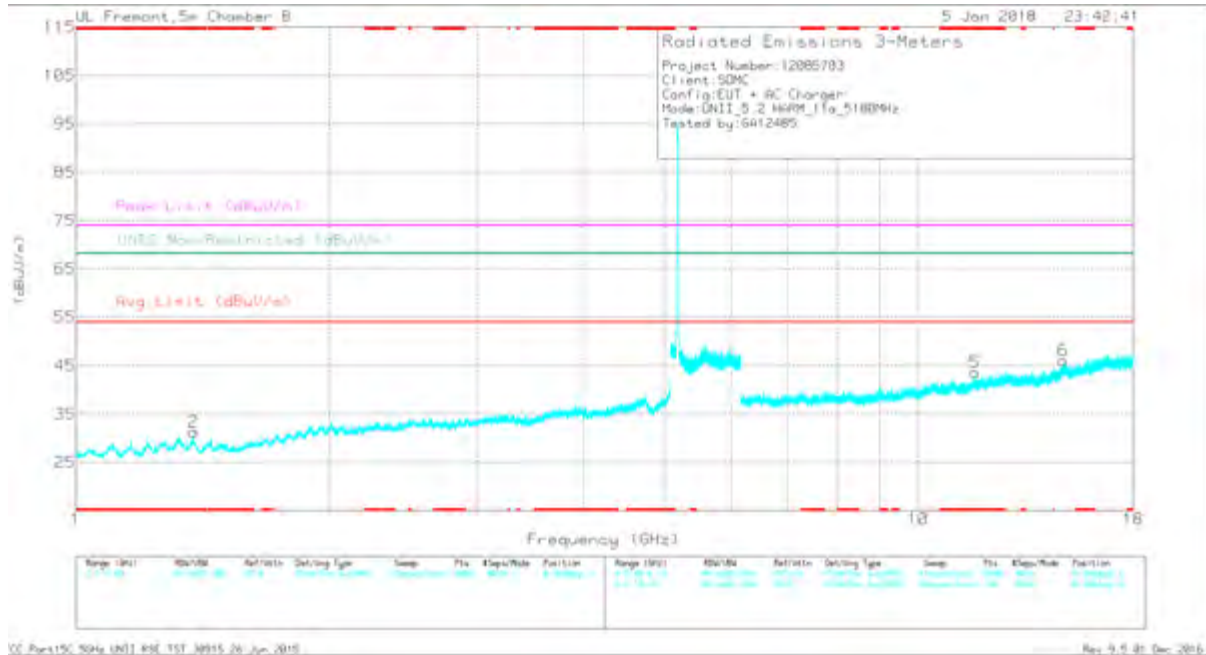
RMS - RMS detection

7.1.2. HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.263	41.97	PK-U	28.8	-34.7	0	36.07	-	-	74	-37.93	-	-	70	329	H
	* 1.265	29.96	ADR	28.8	-34.7	.13	24.19	54	-29.81	-	-	-	-	70	329	H
3	* 4.755	40.28	PK-U	34.3	-30	0	44.58	-	-	74	-29.42	-	-	1	243	H
	* 4.753	28.36	ADR	34.2	-30	.13	32.69	54	-21.31	-	-	-	-	1	243	H
2	* 1.379	42.08	PK-U	28.5	-33.7	0	36.88	-	-	74	-37.12	-	-	173	161	V
	* 1.38	29.92	ADR	28.5	-33.7	.13	24.85	54	-29.15	-	-	-	-	173	161	V
5	* 11.679	34.06	PK-U	38.4	-24.2	0	48.26	-	-	74	-25.74	-	-	172	251	V
	* 11.68	21.84	ADR	38.4	-24.3	.13	36.07	54	-17.93	-	-	-	-	172	251	V
4	10.101	34.65	PK-U	37.4	-25.1	0	46.95	-	-	-	-	68.2	-21.25	232	141	H
6	14.878	34.83	PK-U	40.6	-23.6	0	51.83	-	-	-	-	68.2	-16.37	353	194	V

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

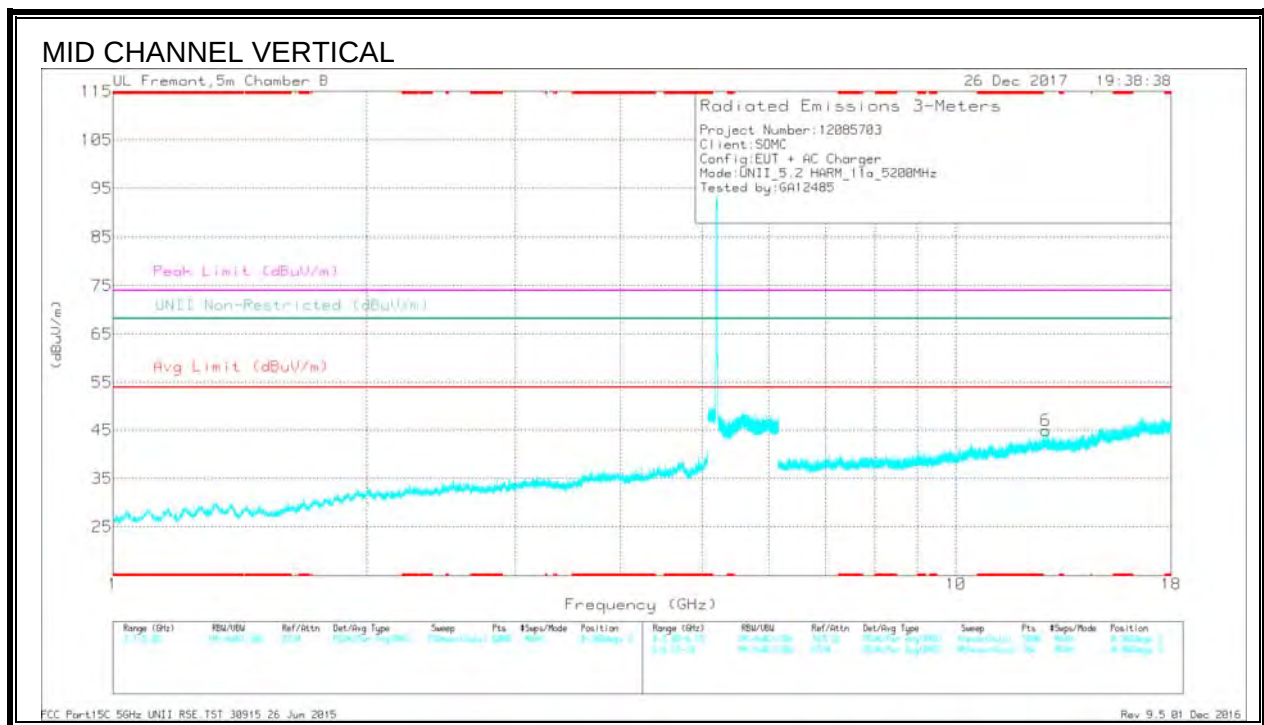
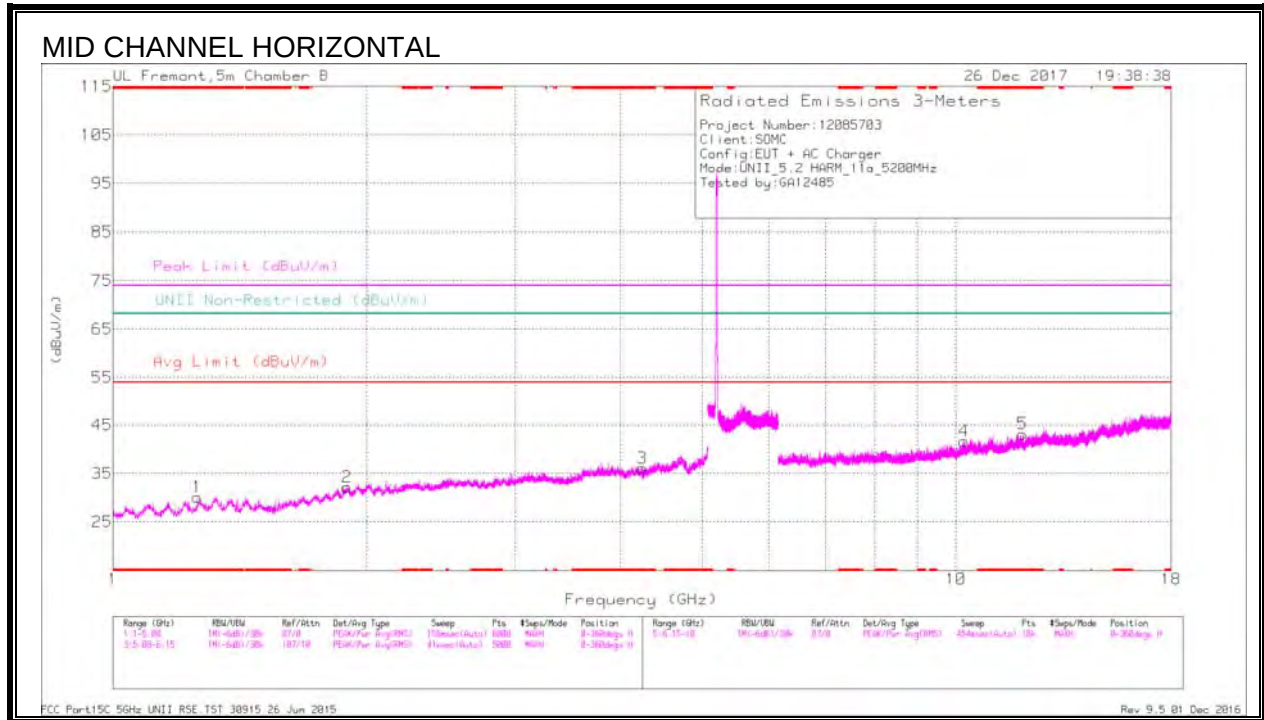
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8. ADDITIONAL TEST DATA

8.1.1. 11a 2TX CDD MIMO MODE IN THE 5.2GHz BAND

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

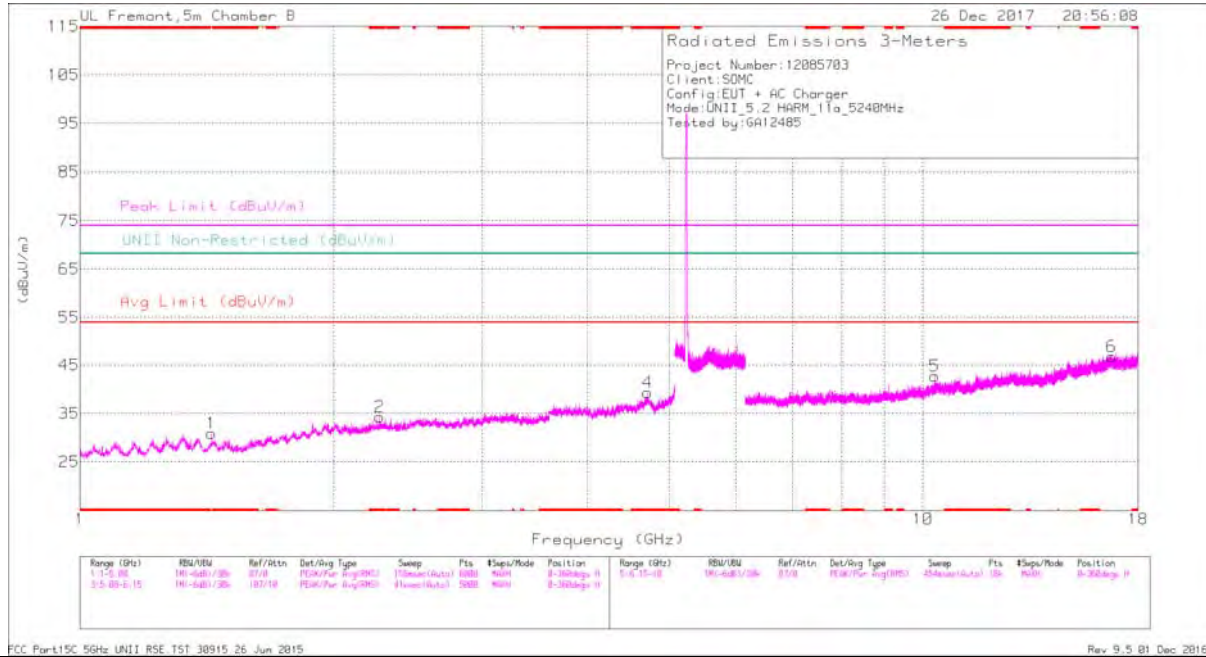
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.258	41.26	PK-U	28.8	-34.7	0	35.36	-	-	74	-38.64	-	-	7	331	H
	* 1.26	29.63	ADR	28.8	-34.8	.13	23.76	54	-30.24	-	-	-	-	7	331	H
3	* 4.245	40.21	PK-U	33.5	-31.2	0	42.51	-	-	74	-31.49	-	-	257	138	H
	* 4.247	28.18	ADR	33.5	-31.3	.13	30.51	54	-23.49	-	-	-	-	257	138	H
5	* 11.99	33.47	PK-U	38.8	-24.5	0	47.77	-	-	74	-26.23	-	-	243	267	H
	* 11.99	21.71	ADR	38.8	-24.5	.13	36.14	54	-17.86	-	-	-	-	243	267	H
2	1.894	41.16	PK-U	30.9	-33.2	0	38.86	-	-	-	-	68.2	-29.34	47	177	H
4	10.227	35.08	PK-U	37.4	-25.2	0	47.28	-	-	-	-	68.2	-20.92	250	190	H
6	12.779	33.61	PK-U	39.4	-23.7	0	49.31	-	-	-	-	68.2	-18.89	76	210	V

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

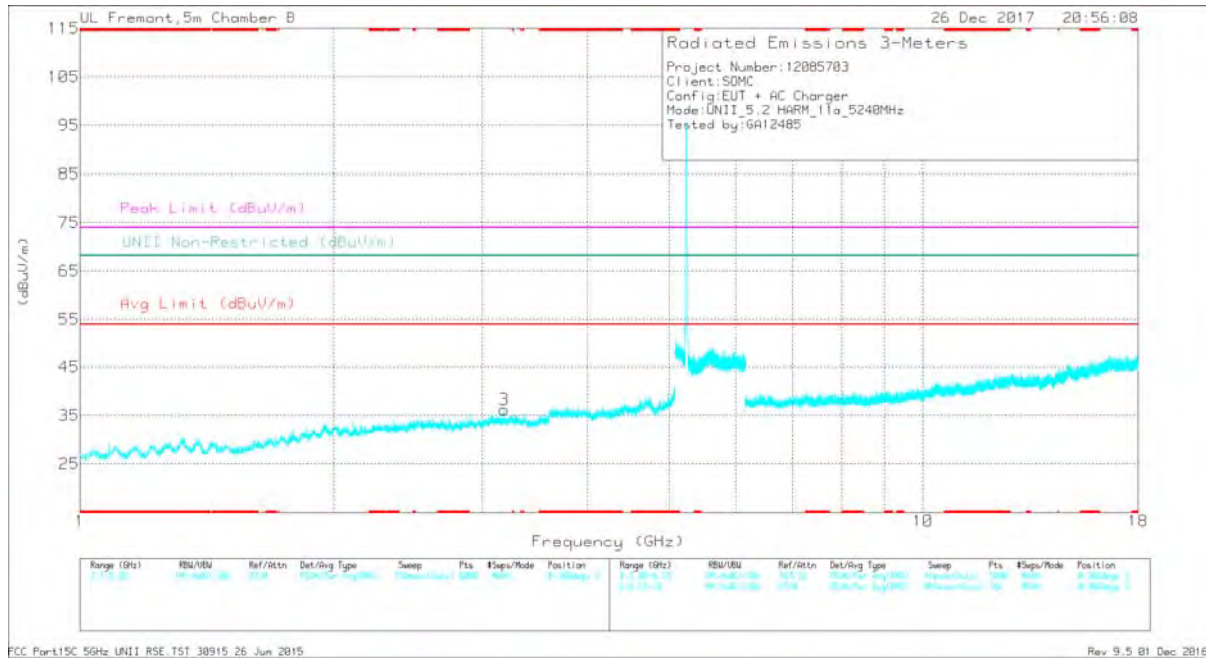
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.264	40.3	PK-U	32	-32.7	0	39.6	-	-	74	-34.4	-	-	44	203	H
	* 2.265	28.39	ADR	32	-32.7	.13	27.82	54	-26.18	-	-	-	-	44	203	H
4	* 4.718	40.28	PK-U	34.2	-30.2	0	44.28	-	-	74	-29.72	-	-	74	343	H
	* 4.716	28.46	ADR	34.2	-30.2	.13	32.59	54	-21.41	-	-	-	-	74	343	H
1	1.431	41.55	PK-U	28.3	-33.7	0	36.15	-	-	-	-	68.2	-32.05	258	324	H
3	3.183	39.95	PK-U	33	-31.5	0	41.45	-	-	-	-	68.2	-26.75	279	400	V
5	10.334	34.85	PK-U	37.5	-24.7	0	47.65	-	-	-	-	68.2	-20.55	82	259	H
6	16.741	32.3	PK-U	42.3	-22.1	0	52.5	-	-	-	-	68.2	-15.7	29	200	H

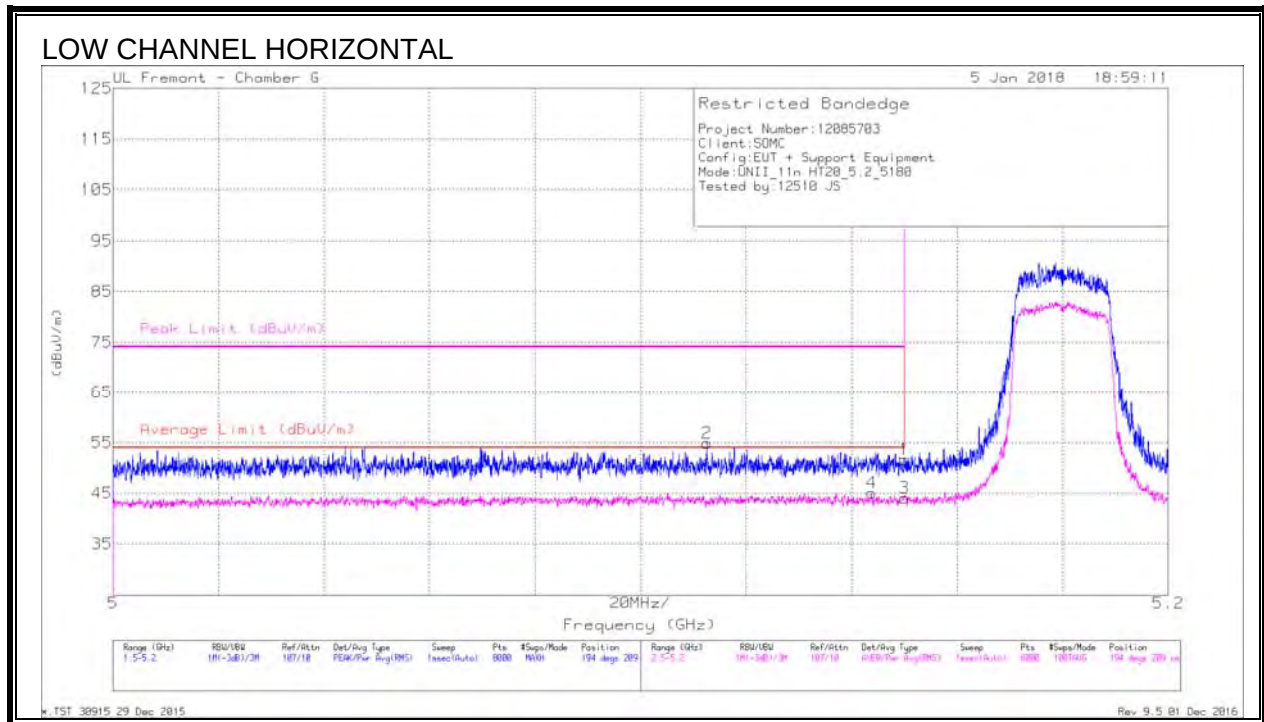
* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.2. 11n HT20 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



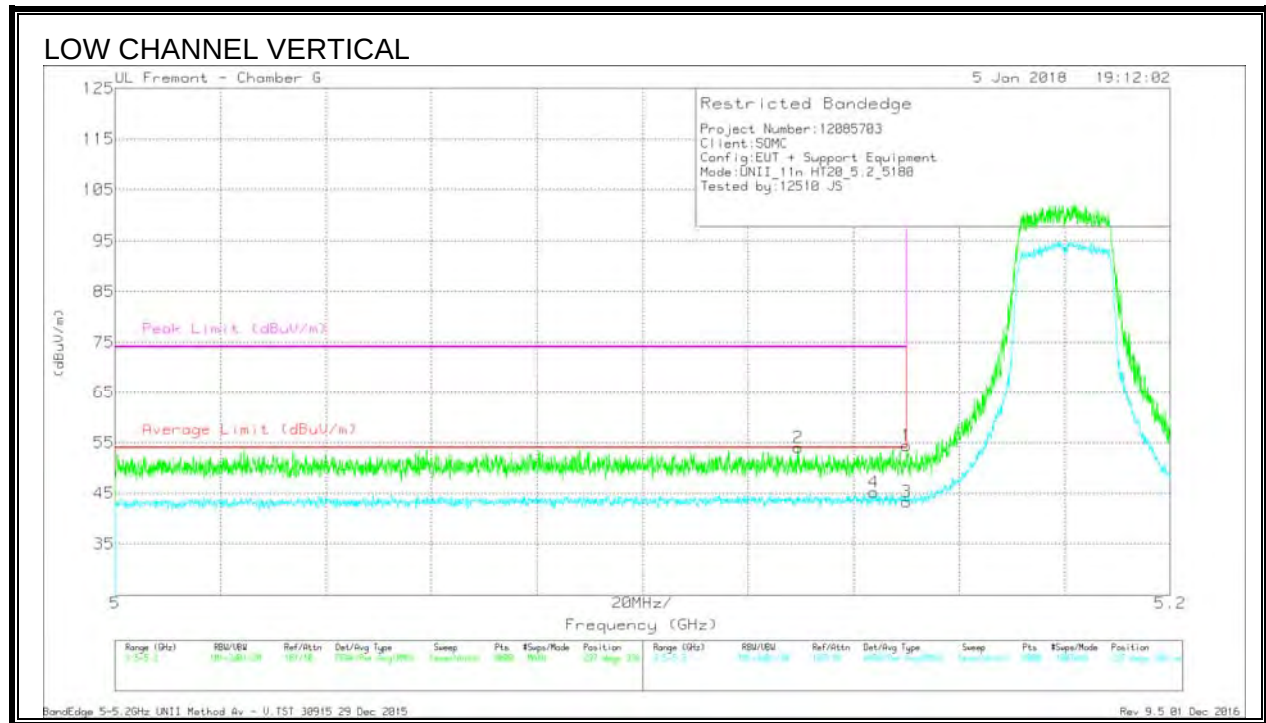
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/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	* 5.15	40.05	Pk	34.3	-22.7	0	51.65	-	-	74	-22.35	194	209	H
2	* 5.113	43.3	Pk	34.3	-22.7	0	54.9	-	-	74	-19.1	194	209	H
3	* 5.15	32.33	RMS	34.3	-22.7	.13	44.06	54	-9.94	-	-	194	209	H
4	* 5.144	33.19	RMS	34.3	-22.6	.13	45.02	54	-8.98	-	-	194	209	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

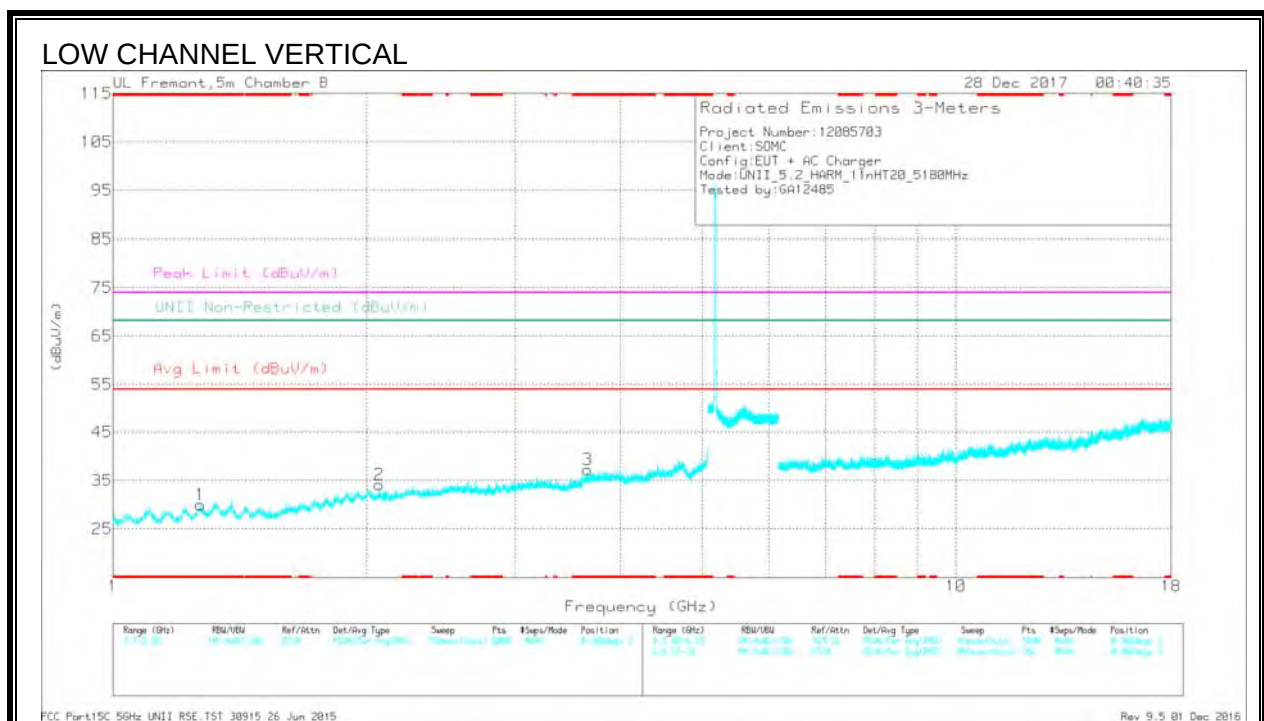
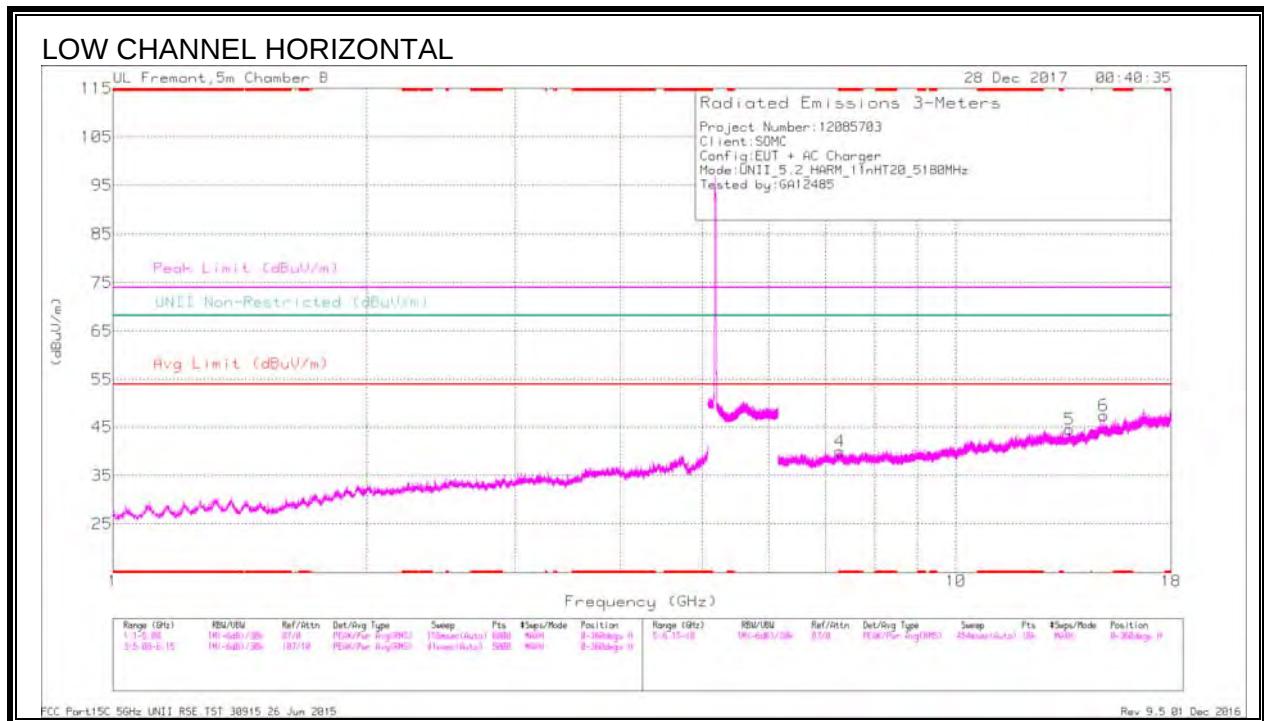
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.74	Pk	34.3	-22.7	0	54.34	-	-	74	-19.66	237	336	V
2	* 5.129	42.37	Pk	34.3	-22.6	0	54.07	-	-	74	-19.93	237	336	V
3	* 5.15	31.61	RMS	34.3	-22.7	.13	43.34	54	-10.66	-	-	237	336	V
4	* 5.144	33.4	RMS	34.3	-22.6	.13	45.23	54	-8.77	-	-	237	336	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

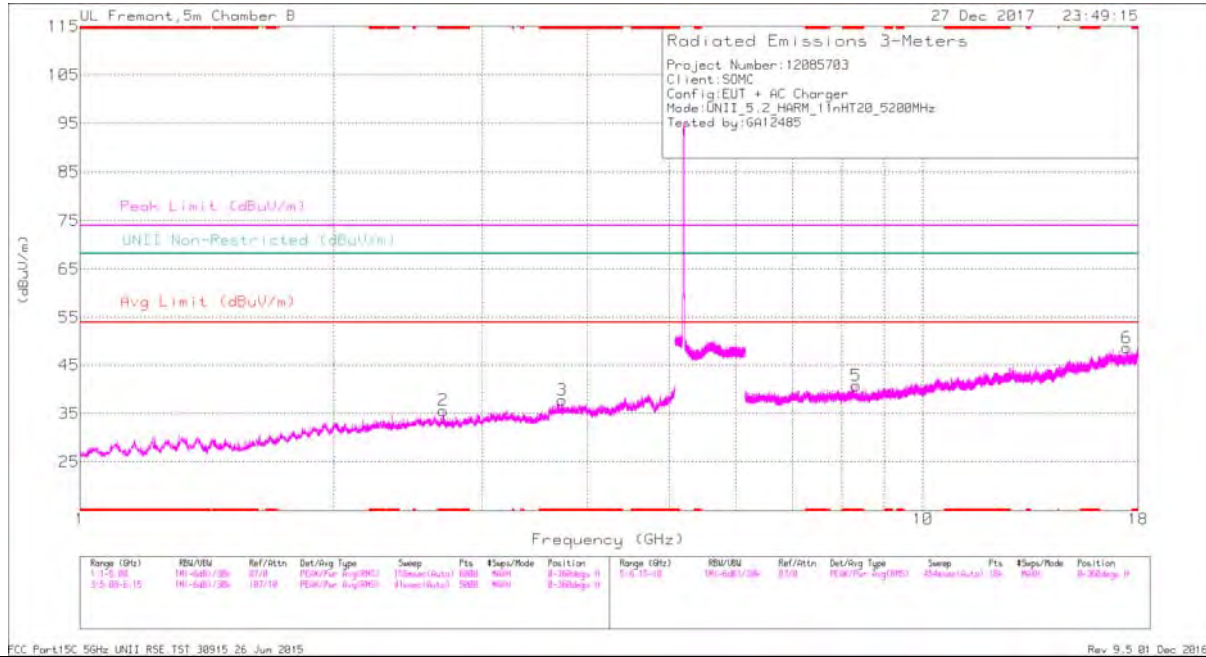
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.271	42.69	PK-U	28.8	-34.8	0	36.69	-	-	74	-37.31	-	-	11	397	V
	* 1.272	30.28	ADR	28.8	-34.8	.13	24.41	54	-29.59	-	-	-	-	11	397	V
3	* 3.659	40.2	PK-U	33.2	-31.8	0	41.6	-	-	74	-32.4	-	-	3	397	V
	* 3.659	28.95	ADR	33.2	-31.8	.13	30.48	54	-23.52	-	-	-	-	3	397	V
4	* 7.286	37.96	PK-U	35.8	-27.3	0	46.46	-	-	74	-27.54	-	-	37	138	H
	* 7.285	25.94	ADR	35.8	-27.2	.13	34.67	54	-19.33	-	-	-	-	37	138	H
2	2.067	41.25	PK-U	31.4	-33.5	0	39.15	-	-	-	-	68.2	-29.05	171	289	V
5	13.643	34.34	PK-U	39.1	-23.7	0	49.74	-	-	-	-	68.2	-18.46	107	316	H
6	14.961	34	PK-U	40.6	-23.2	0	51.4	-	-	-	-	68.2	-16.8	6	154	H

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

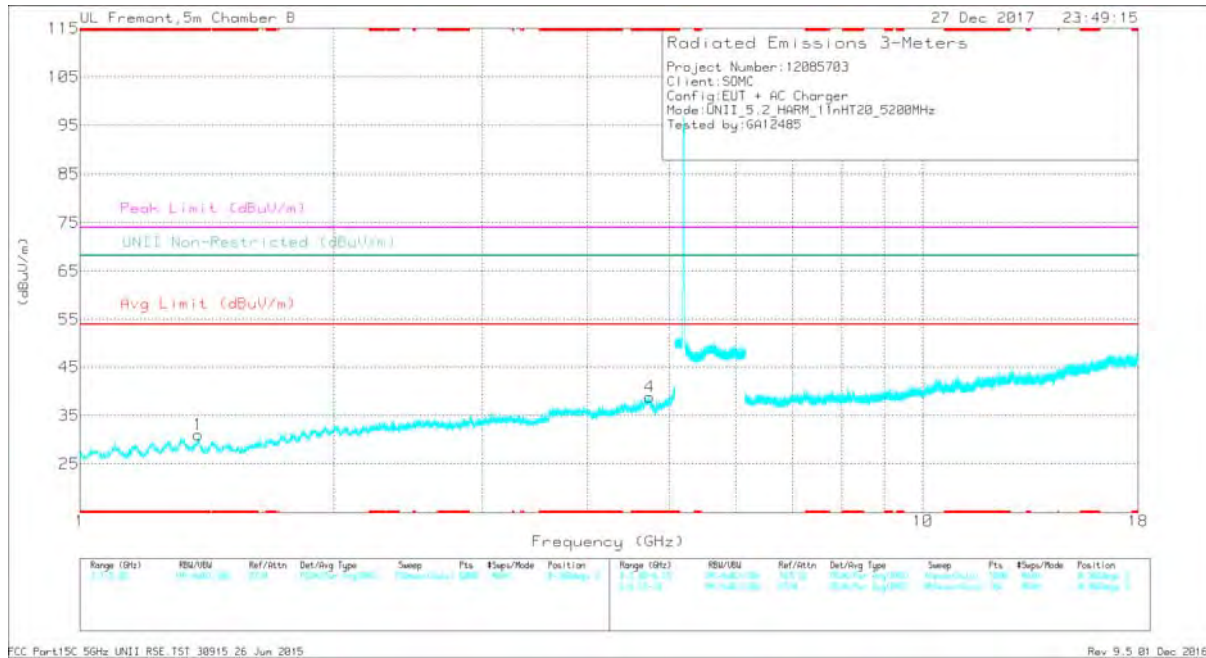
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Radiated Emissions

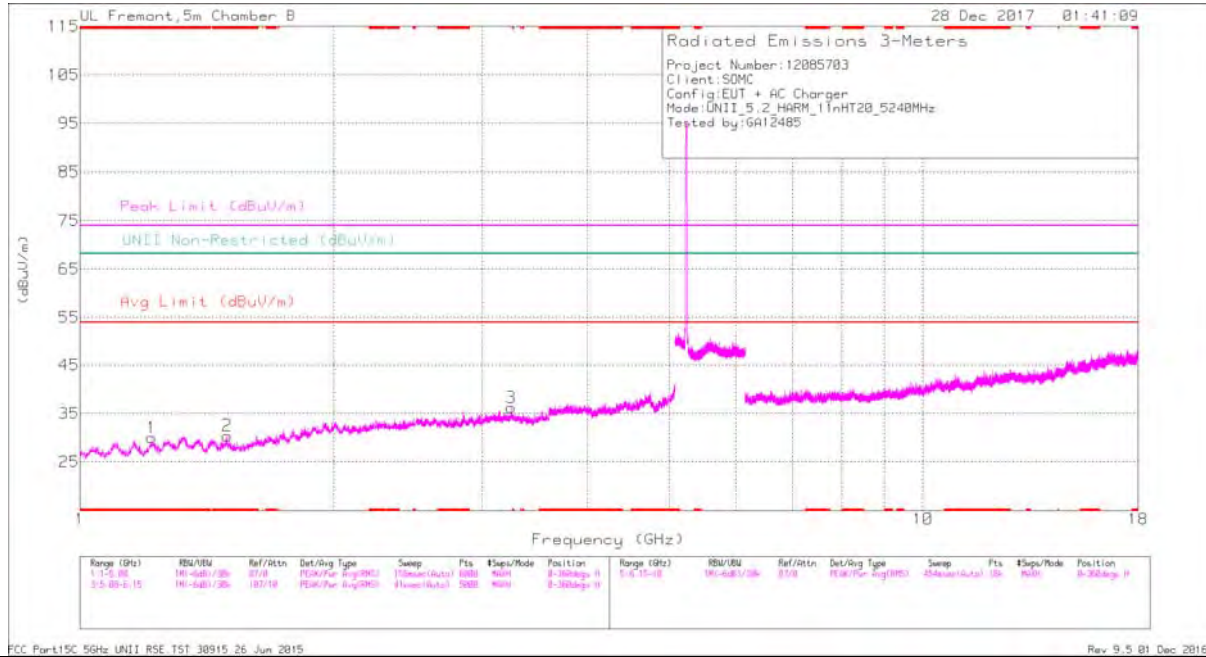
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.697	40.62	PK-U	32.4	-32.6	0	40.42	-	-	74	-33.58	-	-	312	319	H
	* 2.697	28.82	ADR	32.4	-32.6	.13	28.75	54	-25.25	-	-	-	-	312	319	H
3	* 3.733	40.75	PK-U	33.3	-31.5	0	42.55	-	-	74	-31.45	-	-	232	284	H
	* 3.733	28.94	ADR	33.3	-31.5	.13	30.87	54	-23.13	-	-	-	-	232	284	H
1	* 1.383	41.9	PK-U	28.4	-33.7	0	36.6	-	-	74	-37.4	-	-	299	319	V
	* 1.381	30.11	ADR	28.4	-33.7	.13	24.94	54	-29.06	-	-	-	-	299	319	V
4	* 4.739	40.62	PK-U	34.2	-30	0	44.82	-	-	74	-29.18	-	-	127	283	V
	* 4.74	29.24	ADR	34.2	-30	.13	33.57	54	-20.43	-	-	-	-	127	283	V
5	* 8.331	37.66	PK-U	36.1	-27.5	0	46.26	-	-	74	-27.74	-	-	238	352	H
	* 8.332	25.65	ADR	36.1	-27.5	.13	34.38	54	-19.62	-	-	-	-	238	352	H
6	17.442	32.98	PK-U	41.7	-21.2	0	53.48	-	-	-	-	68.2	-14.72	106	234	H

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

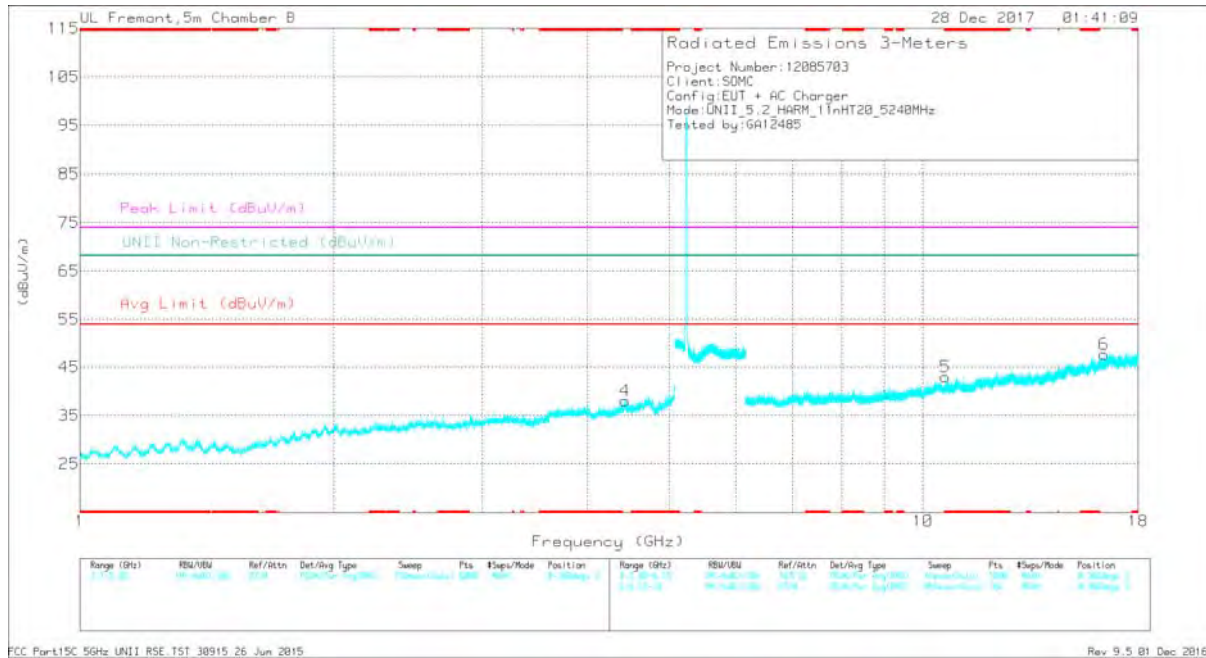
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.215	42.37	PK-U	28.2	-34.4	0	36.17	-	-	74	-37.83	-	-	243	393	H
	* 1.217	30.33	ADR	28.2	-34.3	.13	24.36	54	-29.64	-	-	-	-	243	393	H
2	* 1.492	42.02	PK-U	28.2	-34.1	0	36.12	-	-	74	-37.88	-	-	284	318	H
	* 1.496	29.92	ADR	28.2	-34.2	.13	24.05	54	-29.95	-	-	-	-	284	318	H
5	* 10.63	34.02	PK-U	37.6	-24.1	0	47.52	-	-	74	-26.48	-	-	19	365	V
	* 10.63	22.83	ADR	37.6	-24.1	.13	36.46	54	-17.54	-	-	-	-	19	365	V
3	3.249	40.4	PK-U	33.1	-31.4	0	42.1	-	-	-	-	68.2	-26.1	173	384	H
4	4.427	39.6	PK-U	33.8	-29.6	0	43.8	-	-	-	-	68.2	-24.4	314	104	V
6	16.386	34.17	PK-U	41.4	-22.8	0	52.77	-	-	-	-	68.2	-15.43	276	207	V

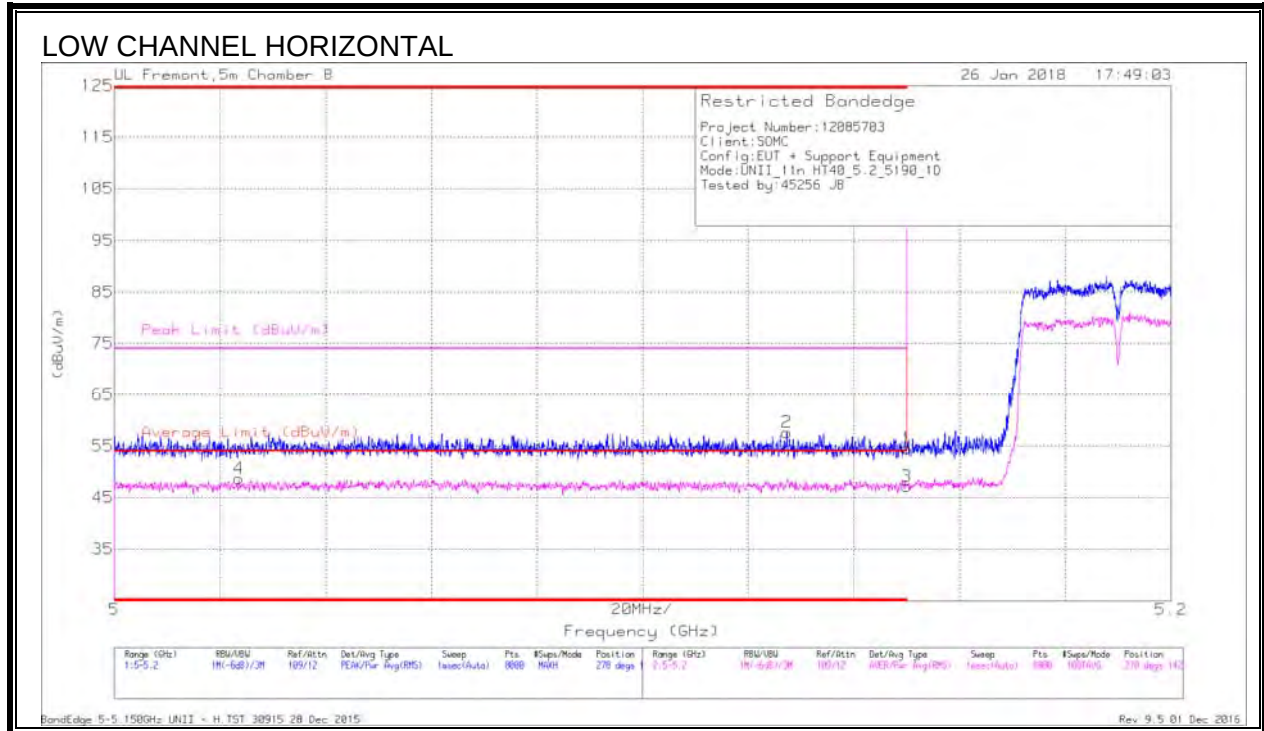
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.3. 11n HT40 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



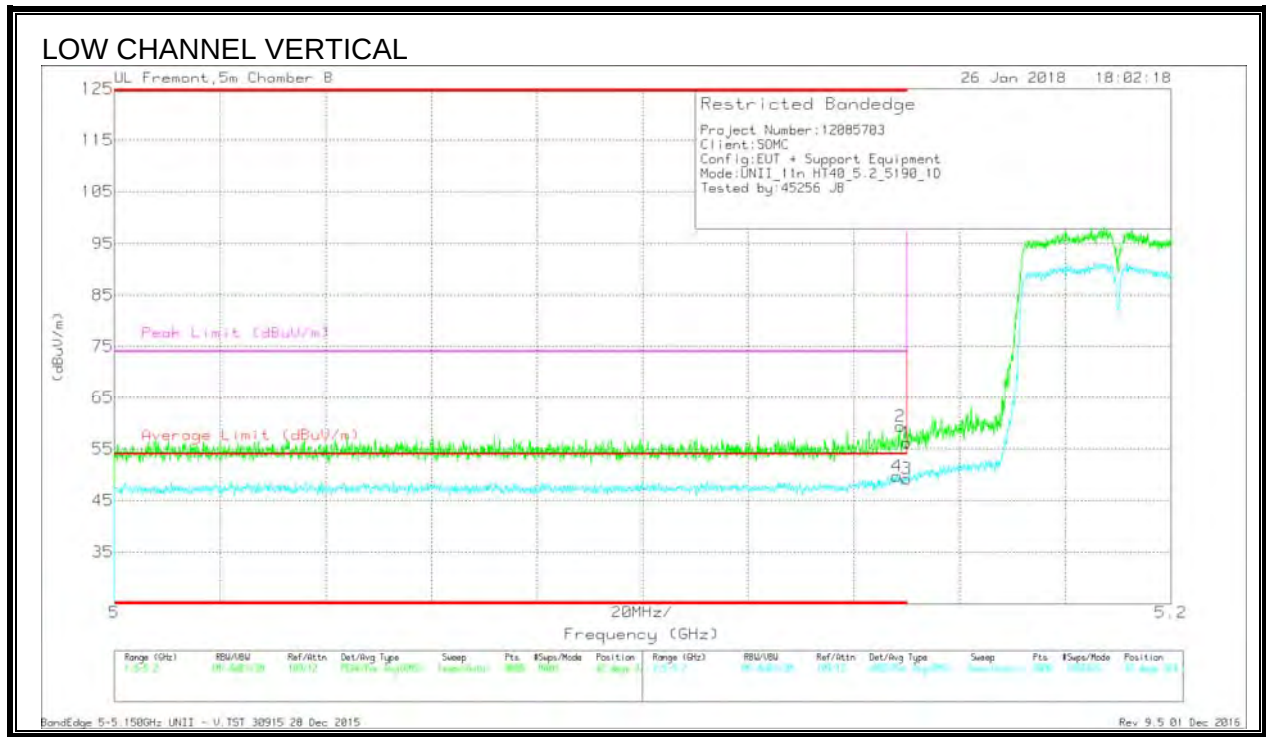
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/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	* 5.15	38.59	Pk	34.4	-18.5	0	54.49	-	-	74	-19.51	278	142	H
2	* 5.15	30.75	RMS	34.4	-18.5	.51	47.16	54	-6.84	-	-	278	142	H
3	* 5.024	31.93	RMS	34.4	-18.2	.51	48.64	54	-5.36	-	-	278	142	H
4	* 5.127	41.5	Pk	34.4	-18.3	0	57.6	-	-	74	-16.4	278	142	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

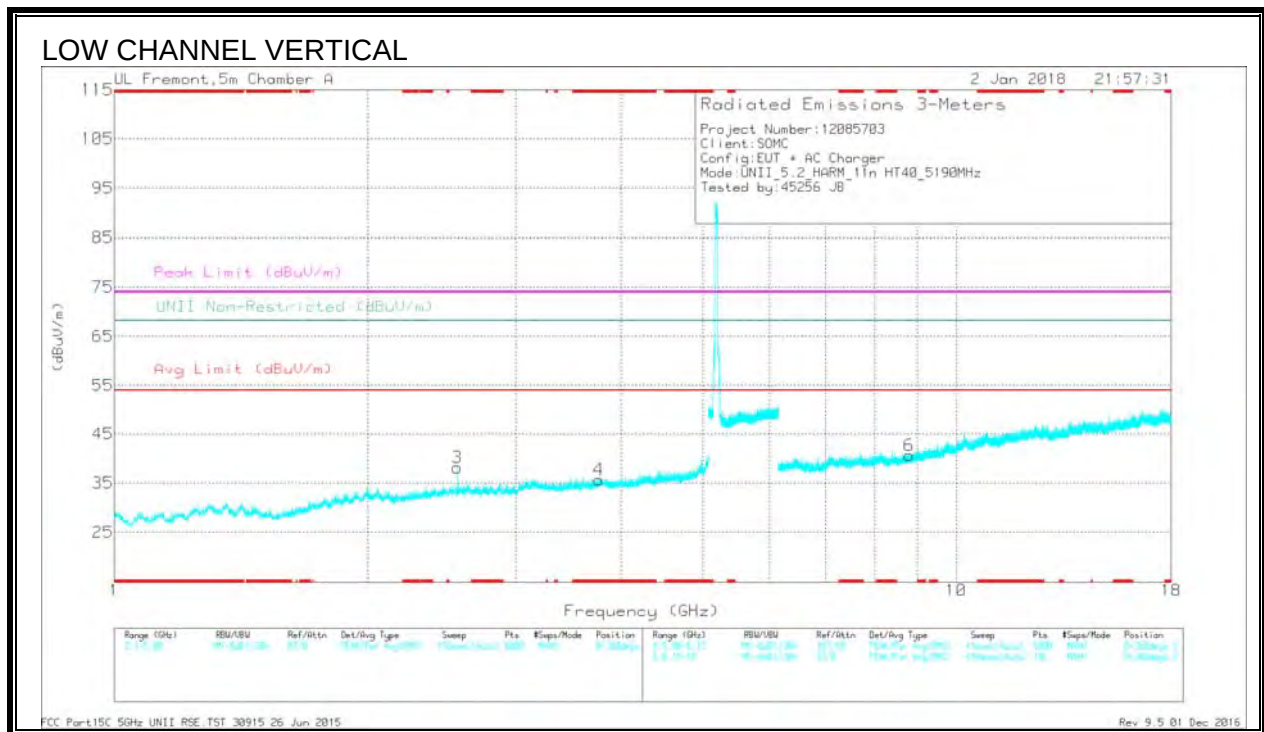
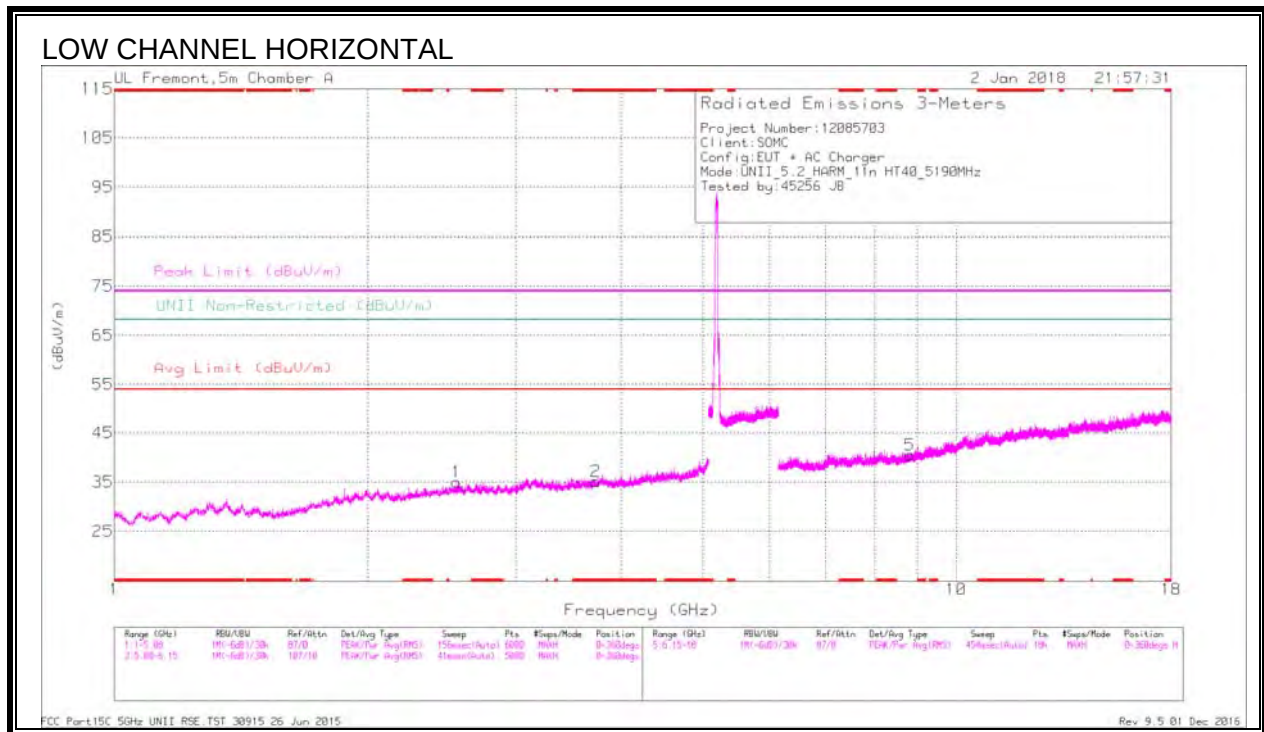
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.149	43.44	Pk	34.4	-18.5	0	59.34	-	-	74	-14.66	42	324	V
2	* 5.15	40.29	Pk	34.4	-18.5	0	56.19	-	-	74	-17.81	42	324	V
3	* 5.15	32.79	RMS	34.4	-18.5	.51	49.2	54	-4.8	-	-	42	324	V
4	* 5.148	33.31	RMS	34.4	-18.5	.51	49.72	54	-4.28	-	-	42	324	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

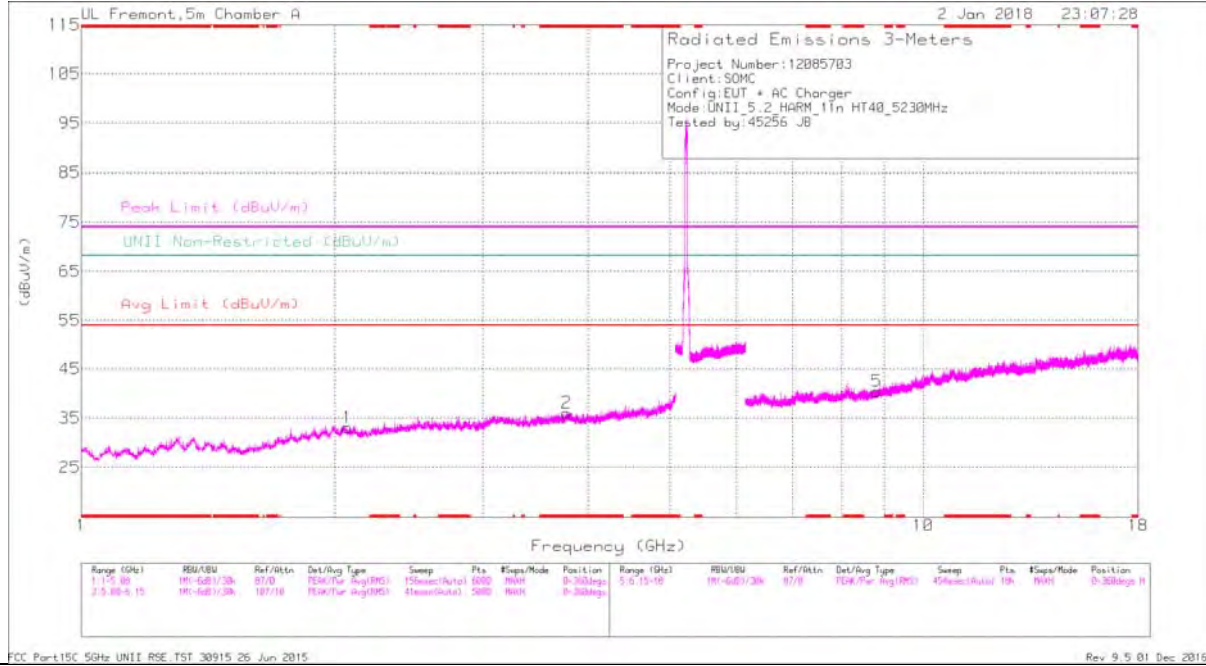
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.733	37.43	PK-U	33.1	-28.5	0	42.03	-	-	74	-31.97	-	-	110	128	H
	* 3.733	25.64	ADR	33.1	-28.5	.51	30.75	54	-23.25	-	-	-	-	110	128	H
4	* 3.763	37.52	PK-U	33.2	-28.3	0	42.42	-	-	74	-31.58	-	-	94	106	V
	* 3.764	25.61	ADR	33.2	-28.3	.51	31.02	54	-22.98	-	-	-	-	94	106	V
1	2.552	37.96	PK-U	32.3	-29.9	0	40.36	-	-	-	-	68.2	-27.84	303	114	H
3	2.554	38.11	PK-U	32.3	-29.9	0	40.51	-	-	-	-	68.2	-27.69	209	251	V
6	8.794	33.28	PK-U	36	-22.4	0	46.88	-	-	-	-	68.2	-21.32	174	245	V
5	8.808	32.39	PK-U	36	-22.3	0	46.09	-	-	-	-	68.2	-22.11	55	341	H

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

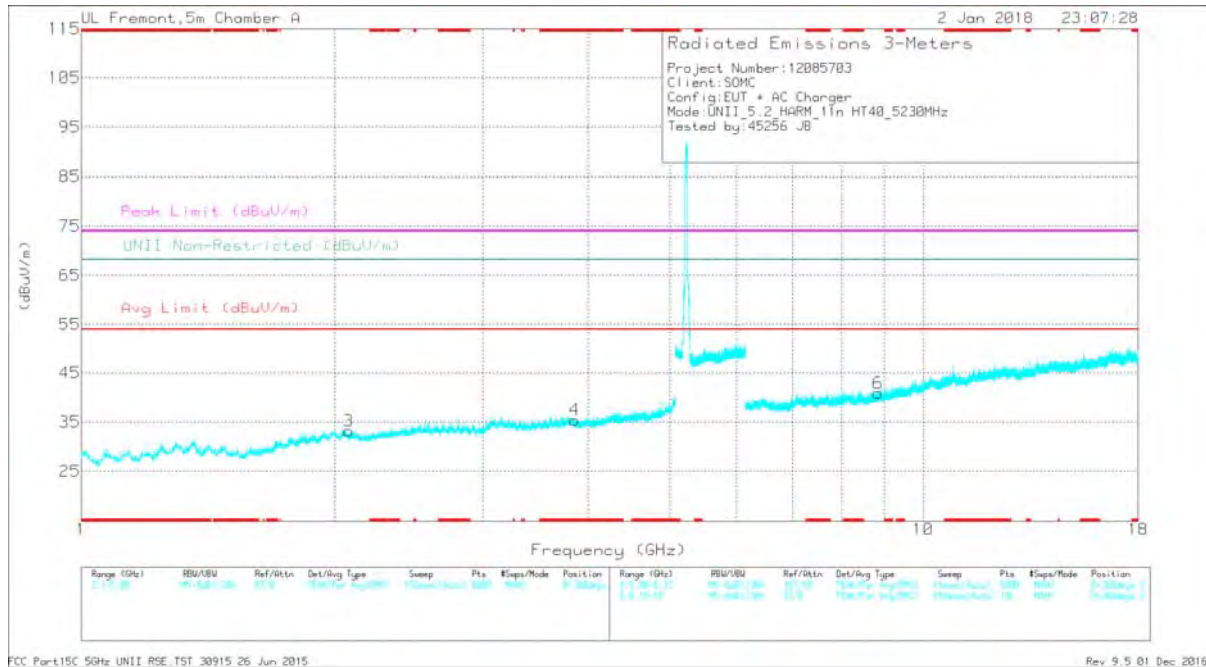
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.769	36.68	PK-U	33.2	-28.2	0	41.68	-	-	74	-32.32	-	-	41	212	H
	* 3.77	25.45	ADR	33.2	-28.2	.51	30.96	54	-23.04	-	-	-	-	41	212	H
4	* 3.854	37.05	PK-U	33	-28.2	0	41.85	-	-	74	-32.15	-	-	155	229	V
	* 3.854	25.55	ADR	33	-28.2	.51	30.86	54	-23.14	-	-	-	-	155	229	V
1	2.07	38.44	PK-U	31.3	-30.2	0	39.54	-	-	-	-	68.2	-28.66	257	209	H
3	2.078	38.12	PK-U	31.3	-30.2	0	39.22	-	-	-	-	68.2	-28.98	225	391	V
5	8.808	32.81	PK-U	36	-22.2	0	46.61	-	-	-	-	68.2	-21.59	43	177	H
6	8.836	33	PK-U	36.1	-22.1	0	47	-	-	-	-	68.2	-21.2	13	101	V

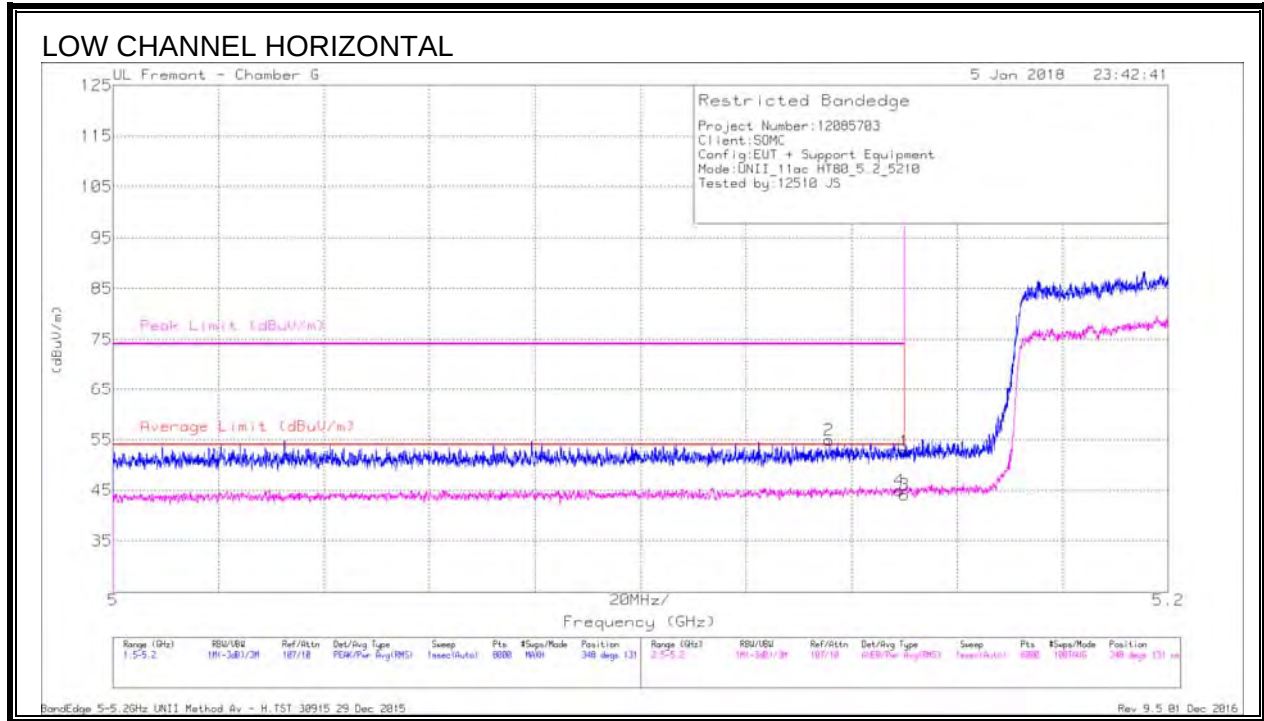
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.4. 11ac HT80 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



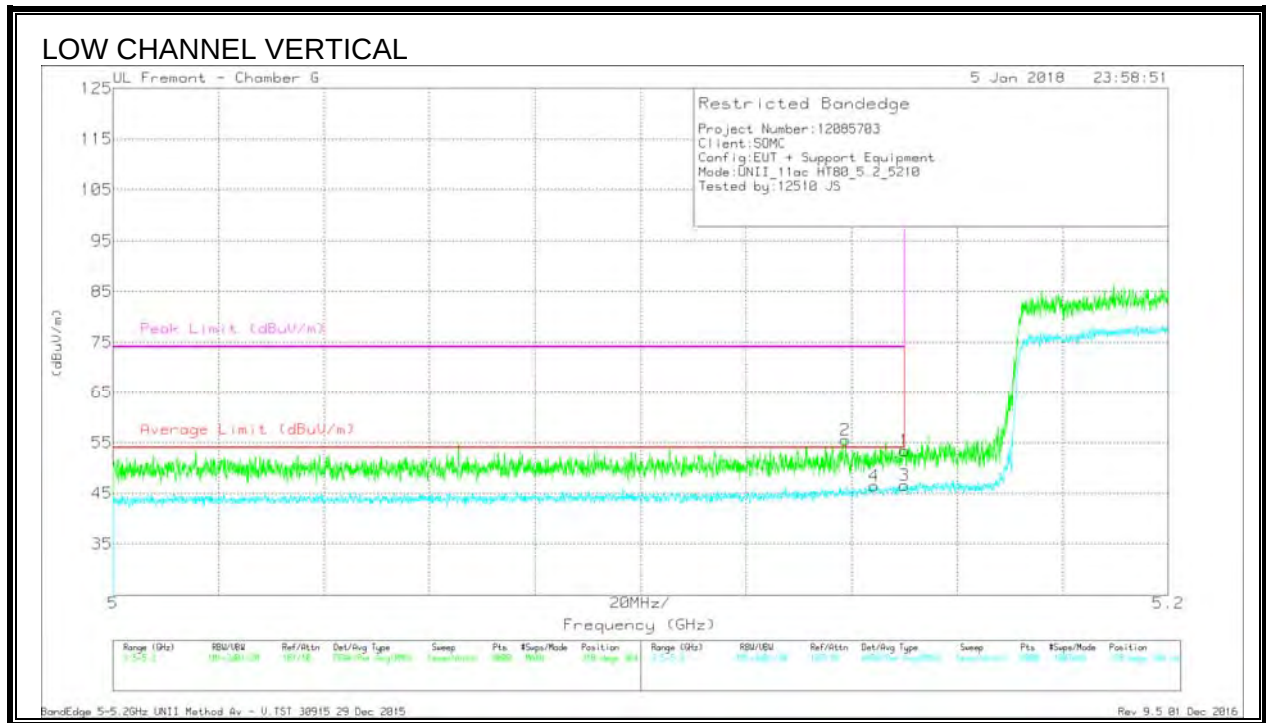
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/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	* 5.15	41.09	Pk	34.3	-22.7	0	52.69	-	-	74	-21.31	348	131	H
2	* 5.136	43.19	Pk	34.3	-22.6	0	54.89	-	-	74	-19.11	348	131	H
3	* 5.15	32.45	RMS	34.3	-22.7	.8	44.85	54	-9.15	-	-	348	131	H
4	* 5.149	33.33	RMS	34.3	-22.7	.8	45.73	54	-8.27	-	-	348	131	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

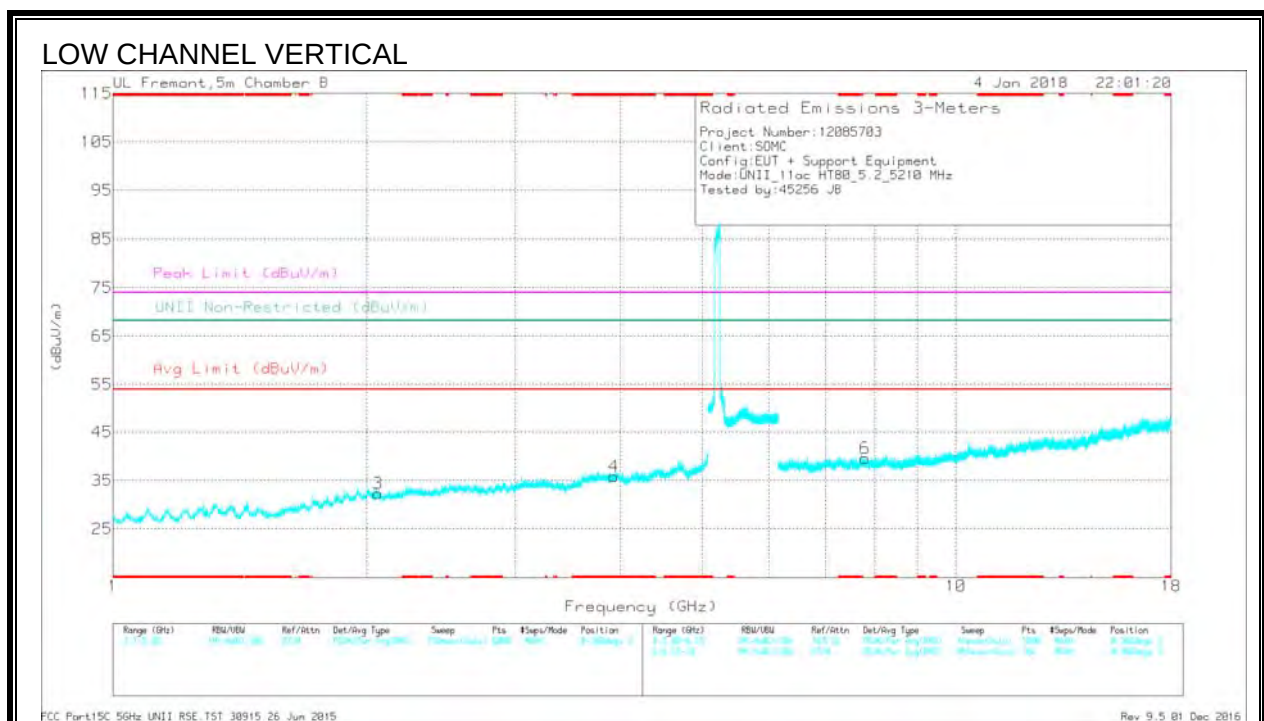
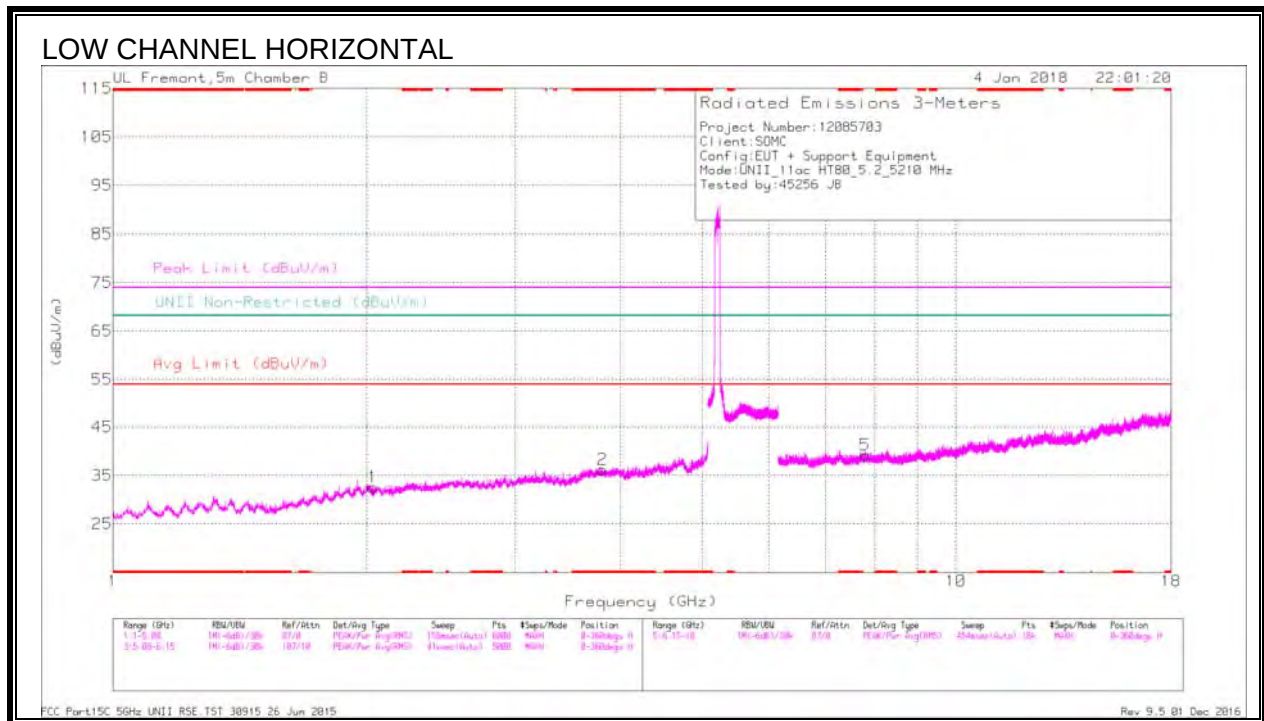
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	41.8	Pk	34.3	-22.7	0	53.4	-	-	74	-20.6	318	364	V
2	* 5.139	43.8	Pk	34.3	-22.6	0	55.5	-	-	74	-18.5	318	364	V
3	* 5.15	34.14	RMS	34.3	-22.7	.8	46.54	54	-7.46	-	-	318	364	V
4	* 5.144	33.95	RMS	34.3	-22.6	.8	46.45	54	-7.55	-	-	318	364	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.811	41.57	PK-U	33.5	-31.6	0	43.47	-	-	74	-30.53	-	-	4	278	H
	* 3.813	29.45	ADR	33.5	-31.6	.8	32.15	54	-21.85	-	-	-	-	4	278	H
4	* 3.926	40.69	PK-U	33.5	-30.9	0	43.29	-	-	74	-30.71	-	-	7	386	V
	* 3.93	28.92	ADR	33.5	-30.9	.8	32.32	54	-21.68	-	-	-	-	7	386	V
1	2.032	40.46	PK-U	31.4	-32.9	0	38.96	-	-	-	-	68.2	-29.24	316	141	H
3	2.064	41.65	PK-U	31.4	-33.4	0	39.65	-	-	-	-	68.2	-28.55	74	259	V
5	7.803	37.71	PK-U	36	-27.7	0	46.01	-	-	-	-	68.2	-22.19	260	266	H
6	7.803	38.19	PK-U	36	-27.7	0	46.49	-	-	-	-	68.2	-21.71	24	219	V

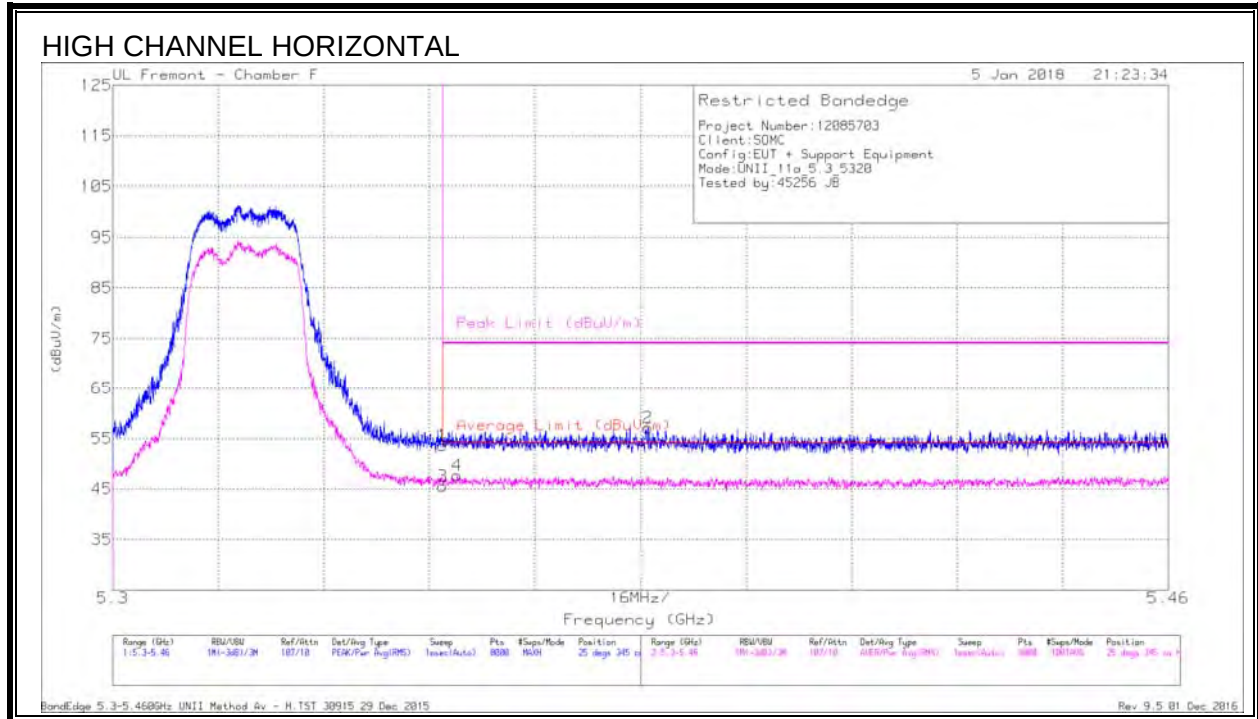
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.5. 11a 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



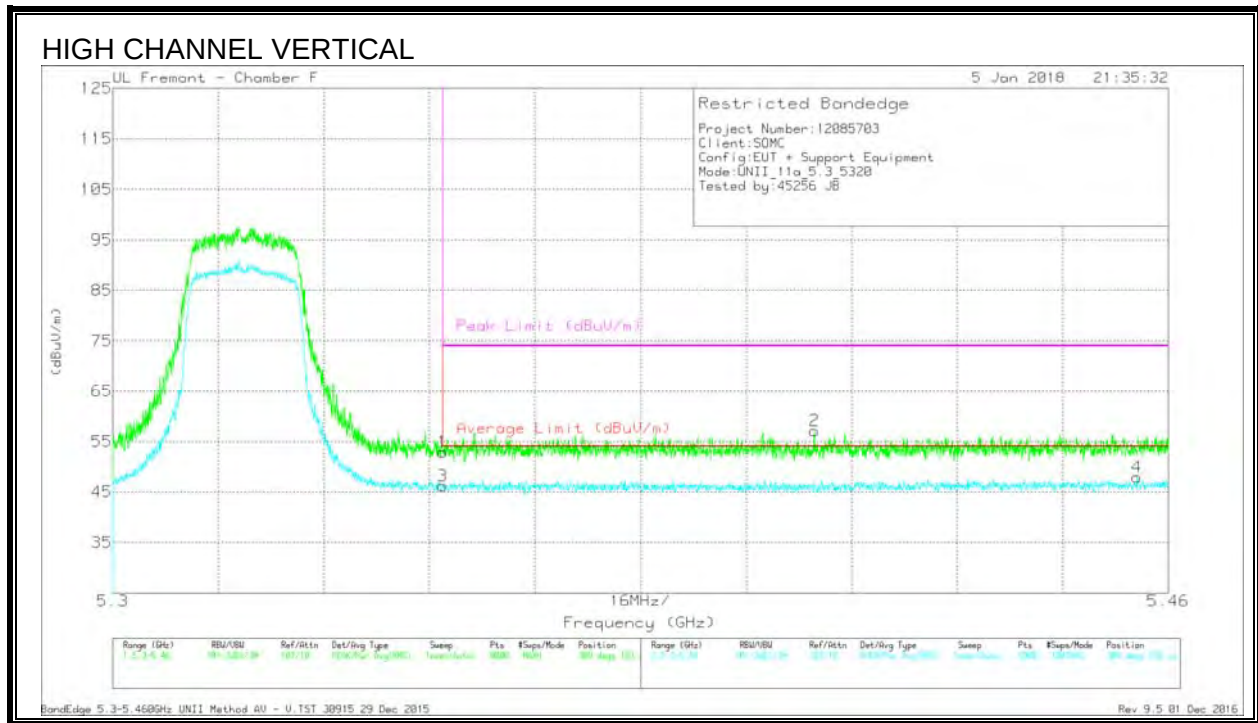
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/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	* 5.35	37.16	Pk	34.7	-18.2	0	53.66	-	-	74	-20.34	25	345	H
2	* 5.381	40.62	Pk	34.7	-18.2	0	57.12	-	-	74	-16.88	25	345	H
3	* 5.35	28.9	RMS	34.7	-18.2	.13	45.53	54	-8.47	-	-	25	345	H
4	* 5.352	31.01	RMS	34.7	-18.2	.13	47.64	54	-6.36	-	-	25	345	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

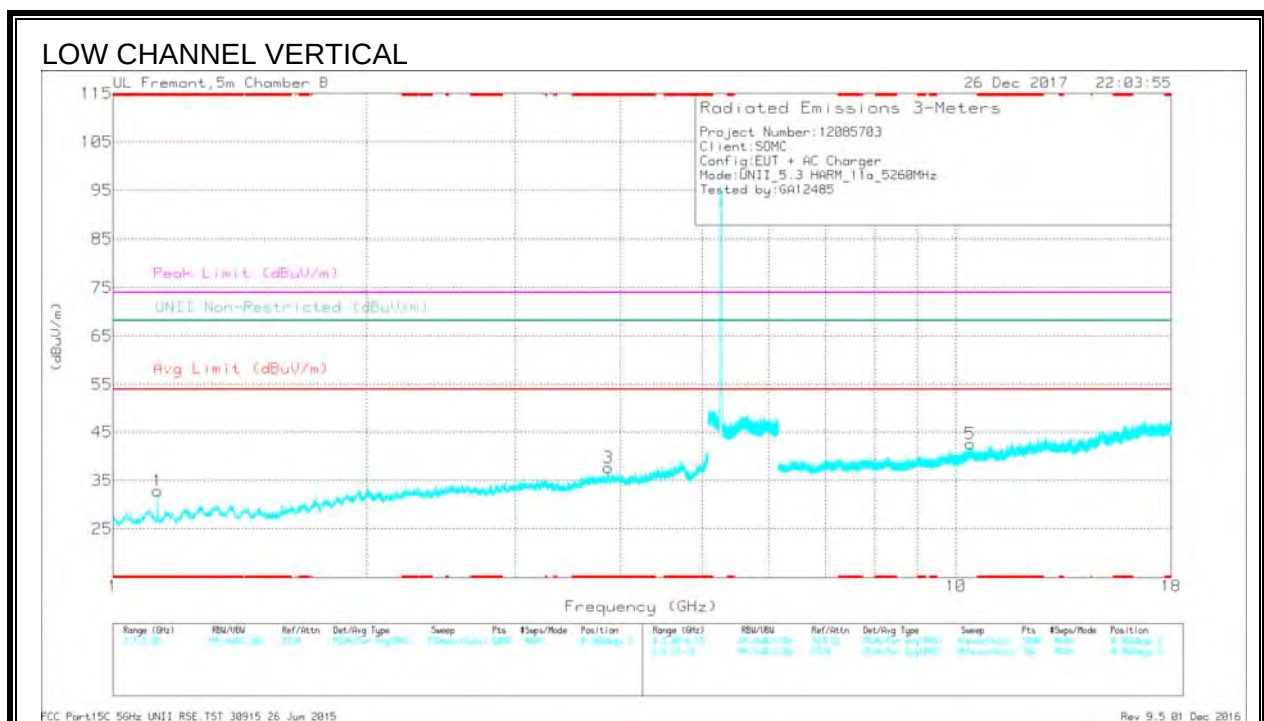
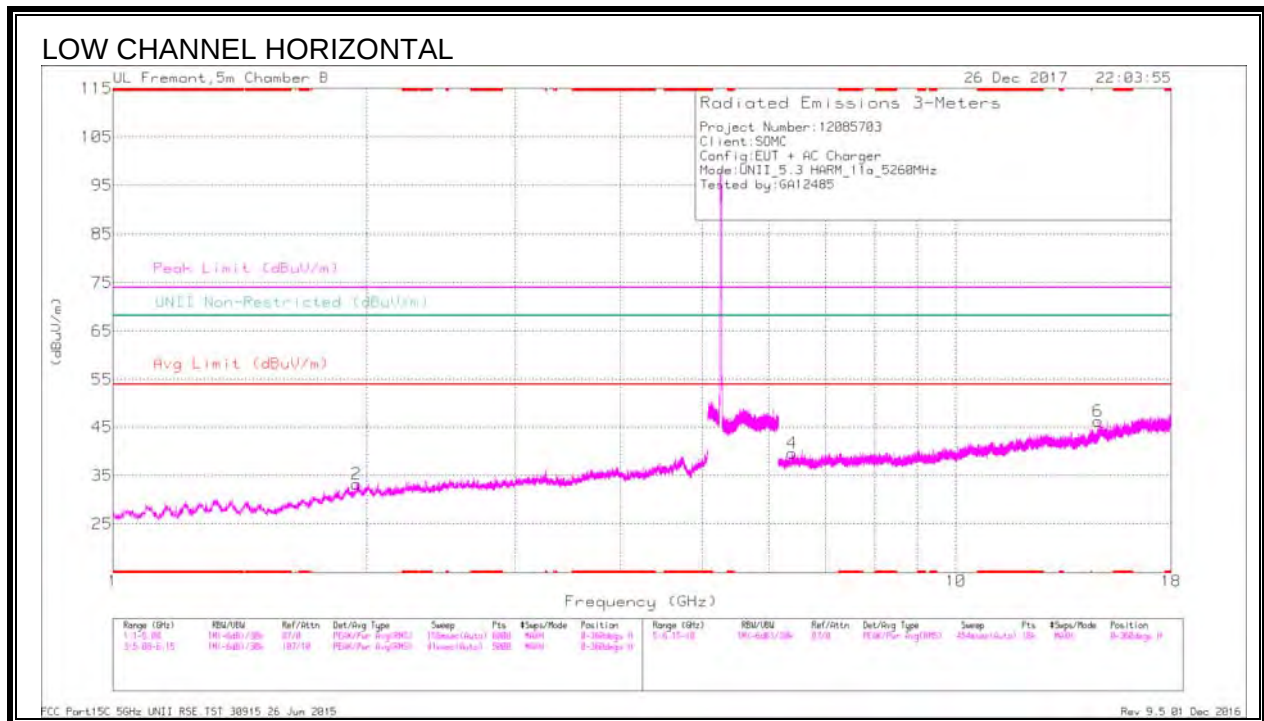
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.45	Pk	34.7	-18.2	0	52.95	-	-	74	-21.05	309	183	V
2	* 5.406	40.59	Pk	34.7	-18.2	0	57.09	-	-	74	-16.91	309	183	V
3	* 5.35	29.57	RMS	34.7	-18.2	.13	46.2	54	-7.8	-	-	309	183	V
4	* 5.455	31.25	RMS	34.8	-18.3	.13	47.88	54	-6.12	-	-	309	183	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

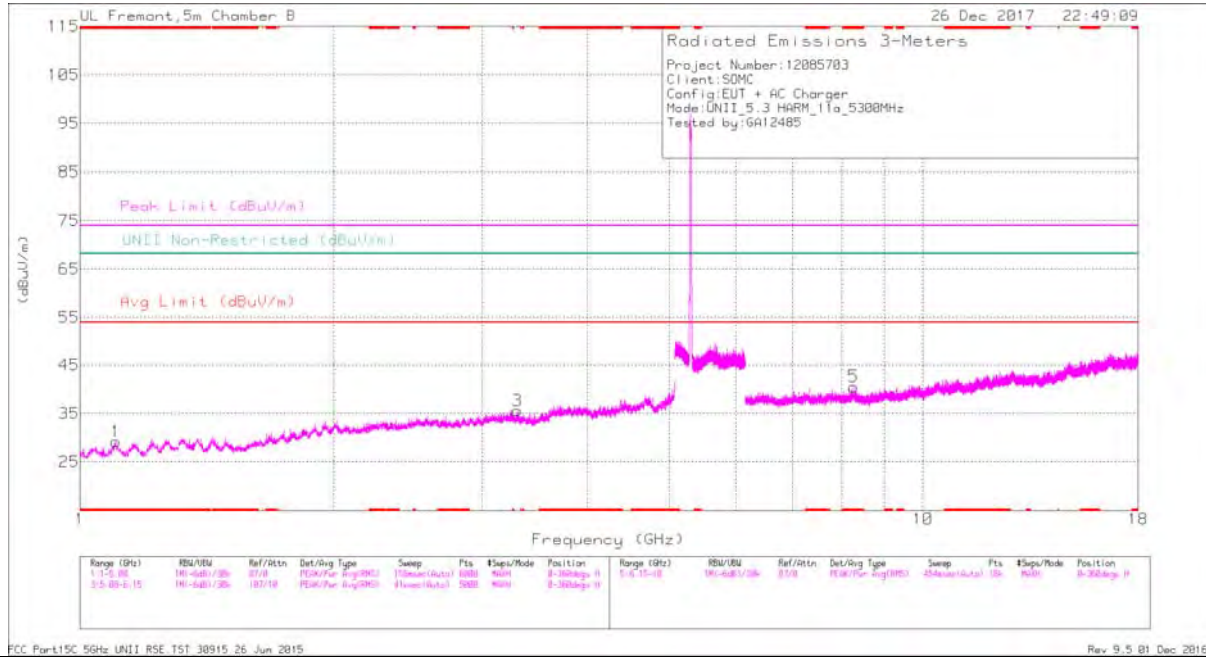
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.128	40.87	PK-U	27.6	-34.3	0	34.17	-	-	74	-39.83	-	-	343	358	V
	* 1.129	28.83	ADR	27.6	-34.4	.13	22.16	54	-31.84	-	-	-	-	343	358	V
3	* 3.869	41.12	PK-U	33.5	-31.5	0	43.12	-	-	74	-30.88	-	-	343	302	V
	* 3.869	29.04	ADR	33.5	-31.5	.13	31.17	54	-22.83	-	-	-	-	343	302	V
2	1.946	40.77	PK-U	31.1	-32.7	0	39.17	-	-	-	-	68.2	-29.03	30	387	H
4	6.392	38.55	PK-U	35.7	-28.5	0	45.75	-	-	-	-	68.2	-22.45	344	270	H
5	10.404	34.35	PK-U	37.5	-24	0	47.85	-	-	-	-	68.2	-20.35	183	114	V
6	14.744	33.33	PK-U	40.4	-23.5	0	50.23	-	-	-	-	68.2	-17.97	297	330	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

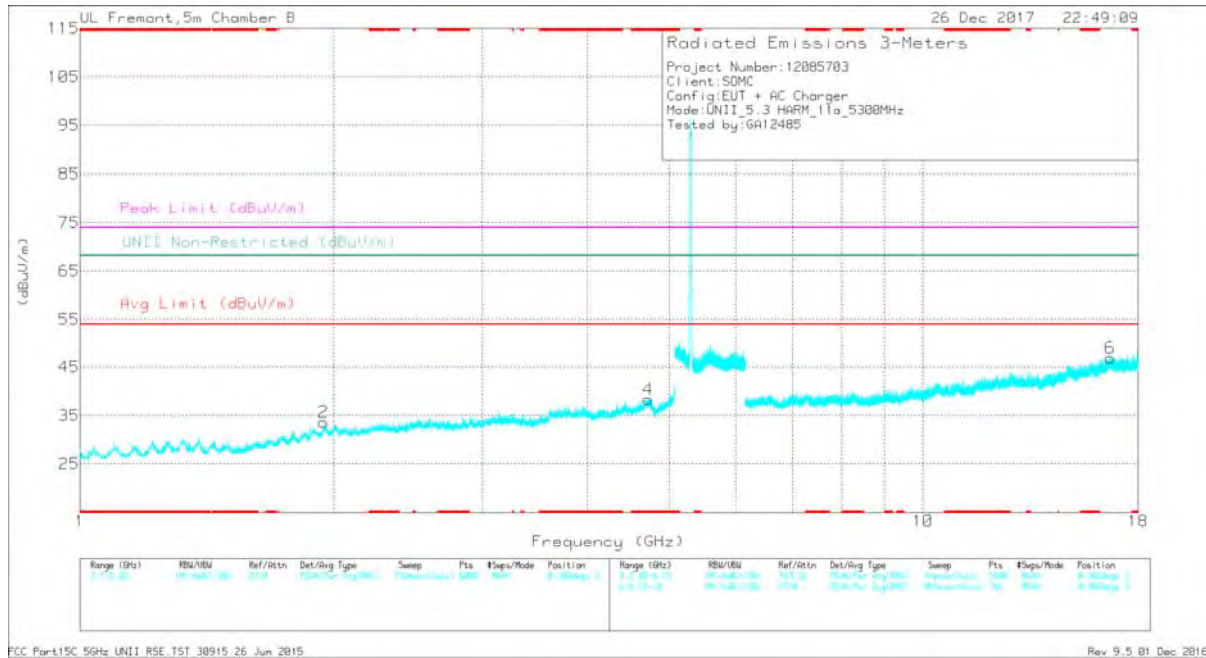
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Radiated Emissions

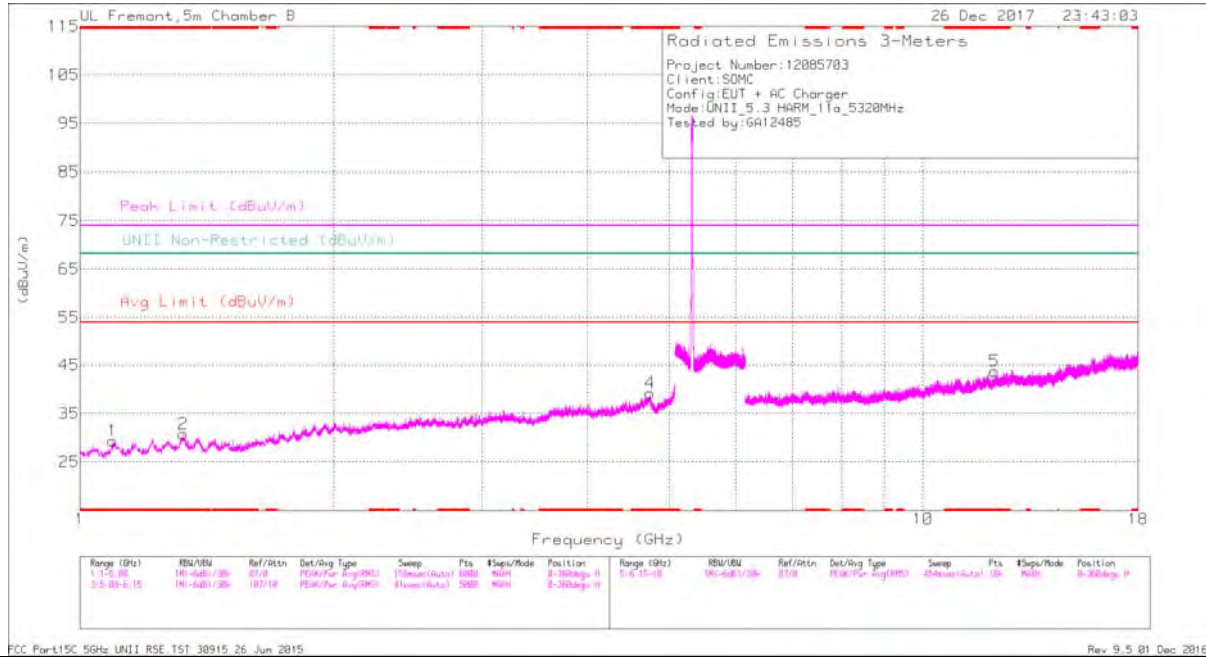
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.101	41.96	PK-U	27.7	-34.2	0	35.46	-	-	74	-38.54	-	-	86	143	H
	* 1.102	30.38	ADR	27.7	-34.2	.13	24.01	54	-29.99	-	-	-	-	86	143	H
4	* 4.724	40.87	PK-U	34.2	-30.1	0	44.97	-	-	74	-29.03	-	-	5	202	V
	* 4.724	28.68	ADR	34.2	-30.1	.13	32.91	54	-21.09	-	-	-	-	5	202	V
5	* 8.269	36.94	PK-U	36.1	-26.9	0	46.14	-	-	74	-27.86	-	-	231	263	H
	* 8.267	25.02	ADR	36.1	-26.9	.13	34.35	54	-19.65	-	-	-	-	231	263	H
2	1.947	40.96	PK-U	31.1	-32.7	0	39.36	-	-	-	-	68.2	-28.84	194	111	V
3	3.301	40.39	PK-U	32.9	-31.7	0	41.59	-	-	-	-	68.2	-26.61	89	305	H
6	16.685	32.7	PK-U	42.2	-21.8	0	53.1	-	-	-	-	68.2	-15.1	190	147	V

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

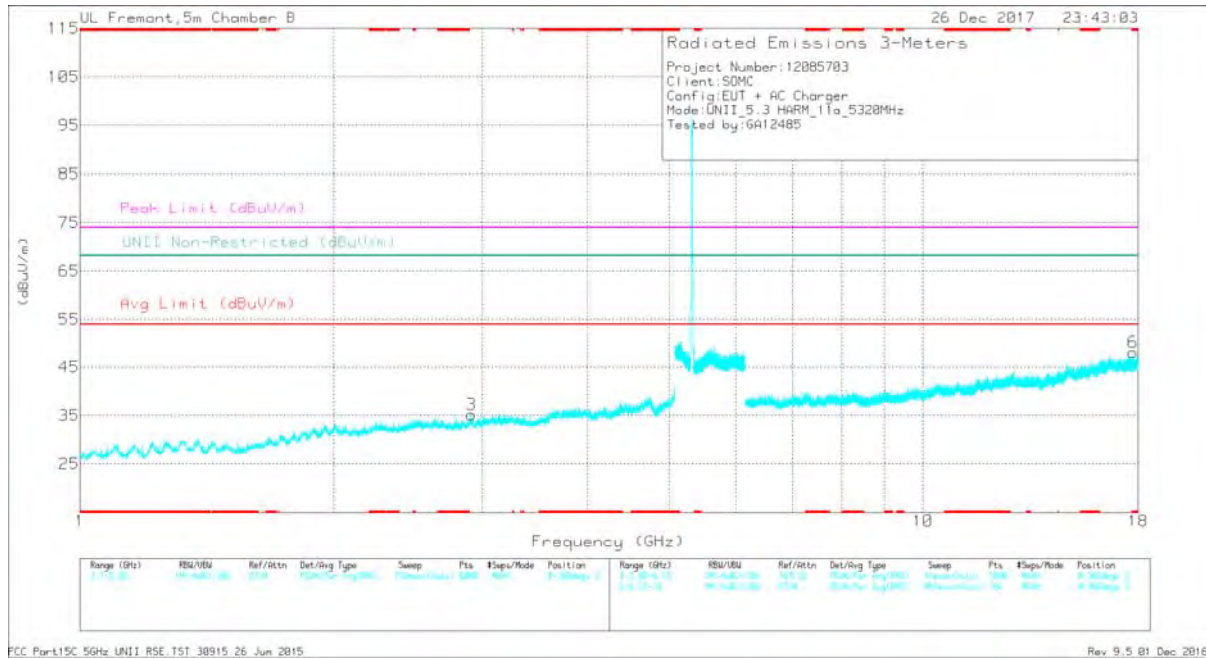
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.094	42.2	PK-U	27.6	-34.4	0	35.4	-	-	74	-38.6	-	-	186	312	H
	* 1.094	30.08	ADR	27.6	-34.4	.13	23.41	54	-30.59	-	-	-	-	186	312	H
2	* 1.327	41.96	PK-U	28.9	-34	0	36.86	-	-	74	-37.14	-	-	39	342	H
	* 1.325	30.04	ADR	28.9	-34.1	.13	24.97	54	-29.03	-	-	-	-	39	342	H
4	* 4.744	41.24	PK-U	34.2	-29.9	0	45.54	-	-	74	-28.46	-	-	305	208	H
	* 4.743	28.8	ADR	34.2	-29.9	.13	33.23	54	-20.77	-	-	-	-	305	208	H
5	* 12.166	33.39	PK-U	39	-24.1	0	48.29	-	-	74	-25.71	-	-	60	363	H
	* 12.164	21.46	ADR	39	-24.1	.13	36.49	54	-17.51	-	-	-	-	60	363	H
6	* 17.741	33.15	PK-U	41.7	-21.6	0	53.25	-	-	74	-20.75	-	-	83	163	V
	* 17.742	20.16	ADR	41.7	-21.6	.13	40.39	54	-13.61	-	-	-	-	83	163	V
3	2.911	40.12	PK-U	32.5	-31.9	0	40.72	-	-	-	-	68.2	-27.48	22	377	V

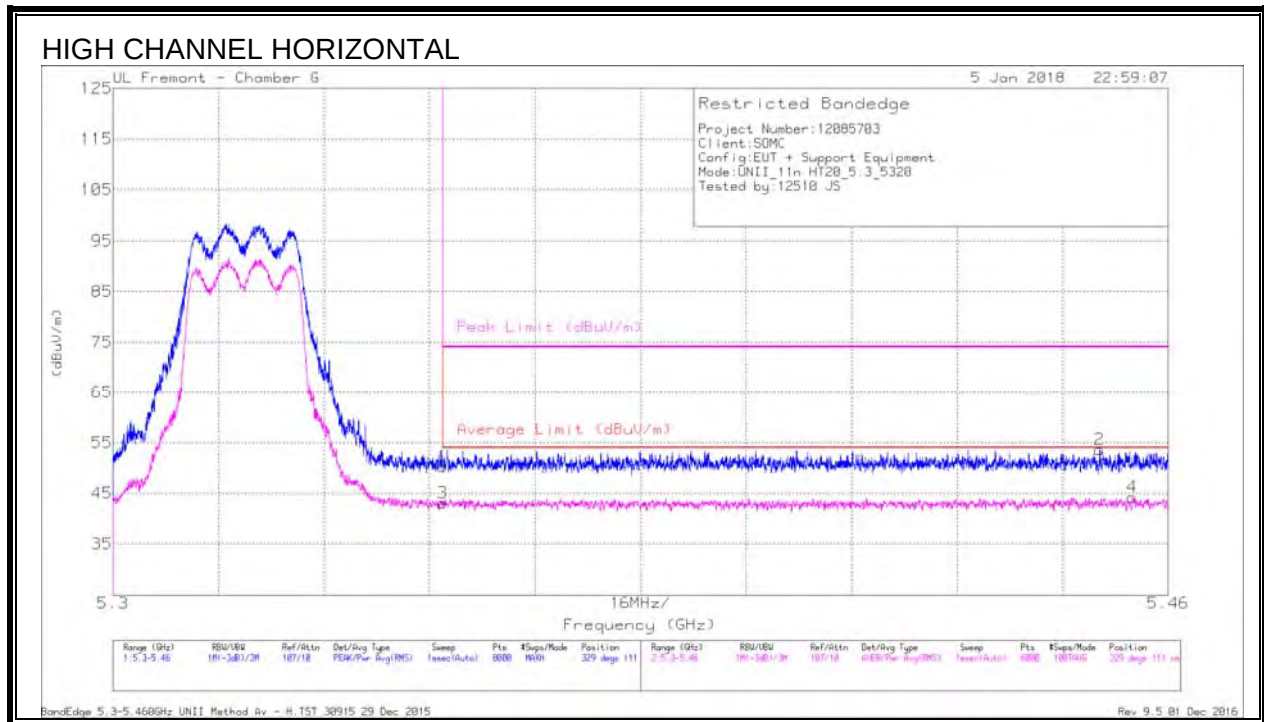
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.6. 11n HT20 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



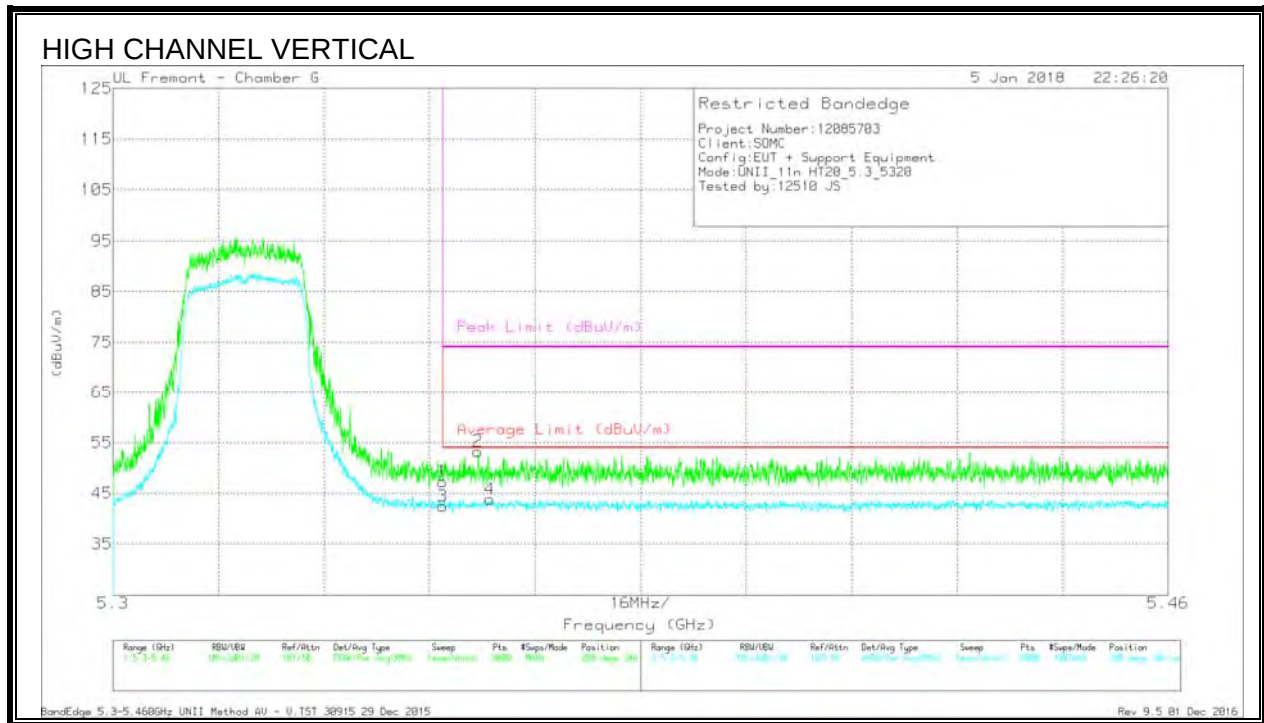
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/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	* 5.35	38.29	Pk	34.6	-22.6	0	50.29	-	-	74	-23.71	329	111	H
2	* 5.45	41.7	Pk	34.6	-22.6	0	53.7	-	-	74	-20.3	329	111	H
3	* 5.35	30.92	RMS	34.6	-22.6	.13	43.05	54	-10.95	-	-	329	111	H
4	* 5.455	31.98	RMS	34.6	-22.5	.13	44.21	54	-9.79	-	-	329	111	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

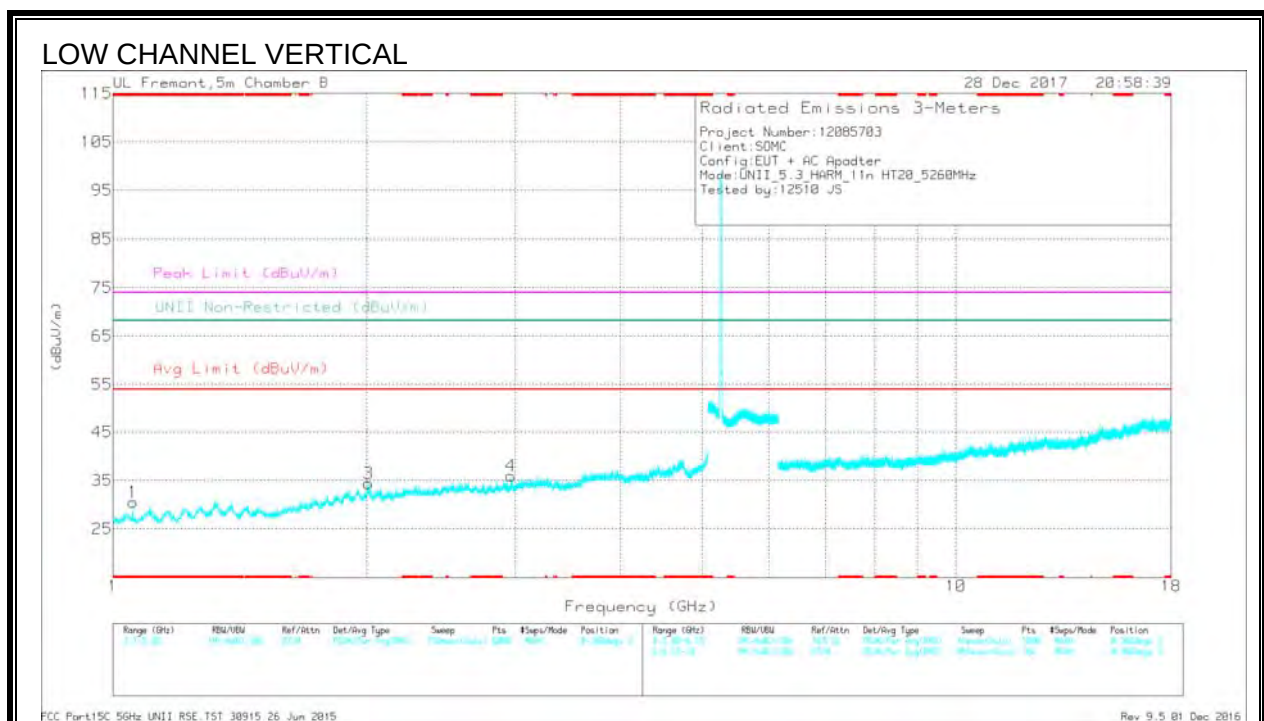
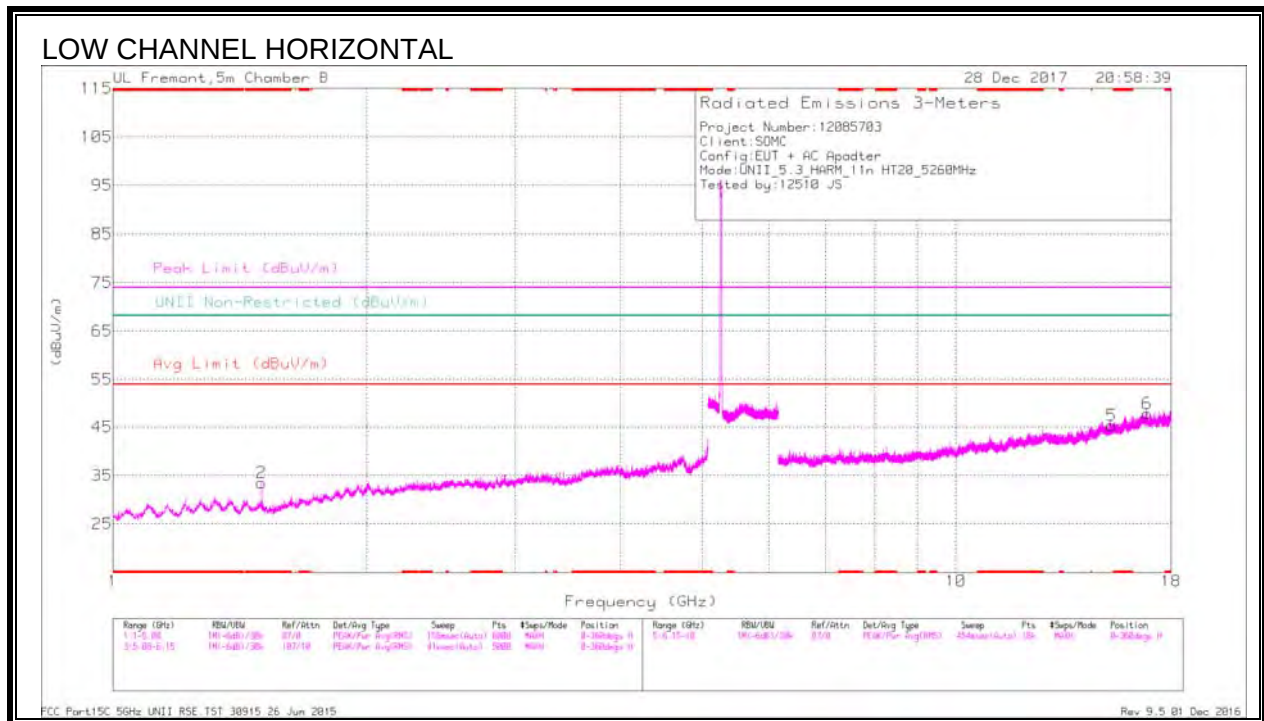
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	35.37	Pk	34.6	-22.6	0	47.37	-	-	74	-26.63	288	346	V
2	* 5.355	41.33	Pk	34.6	-22.6	0	53.33	-	-	74	-20.67	288	346	V
3	* 5.35	30.36	RMS	34.6	-22.6	.13	42.49	54	-11.51	-	-	288	346	V
4	* 5.357	31.71	RMS	34.6	-22.6	.13	43.84	54	-10.16	-	-	288	346	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

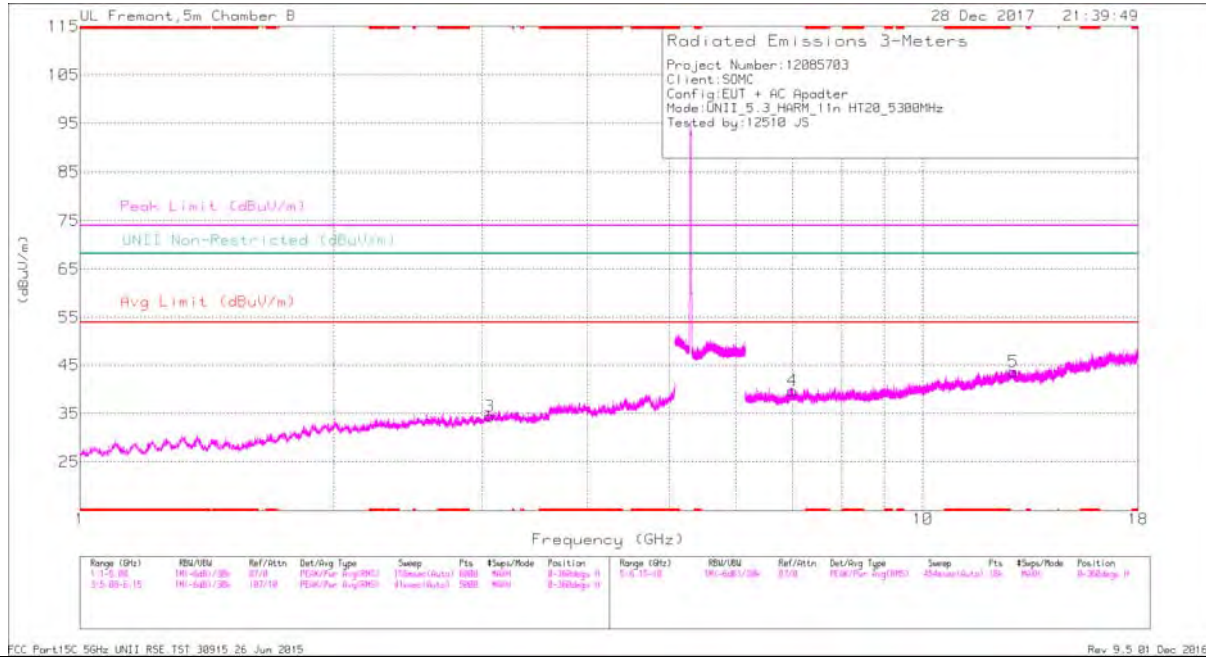
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 1.499	41.71	PK-U	28.2	-34.2	0	35.71	-	-	74	-38.29	-	-	254	306	H
	* 1.499	29.9	ADR	28.2	-34.2	.13	24.03	54	-29.97	-	-	-	-	254	306	H
1	* 1.056	42.02	PK-U	27	-34.6	0	34.42	-	-	74	-39.58	-	-	44	284	V
	* 1.055	29.84	ADR	27	-34.6	.13	22.37	54	-31.63	-	-	-	-	44	284	V
3	2.007	41.14	PK-U	31.3	-32.5	0	39.94	-	-	-	-	68.2	-28.26	37	147	V
4	2.966	41.03	PK-U	32.7	-32.3	0	41.43	-	-	-	-	68.2	-26.77	39	117	V
5	15.31	33.56	PK-U	40.6	-22.3	0	51.86	-	-	-	-	68.2	-16.34	49	161	H
6	16.852	33.99	PK-U	42.3	-22.1	0	54.19	-	-	-	-	68.2	-14.01	300	120	H

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

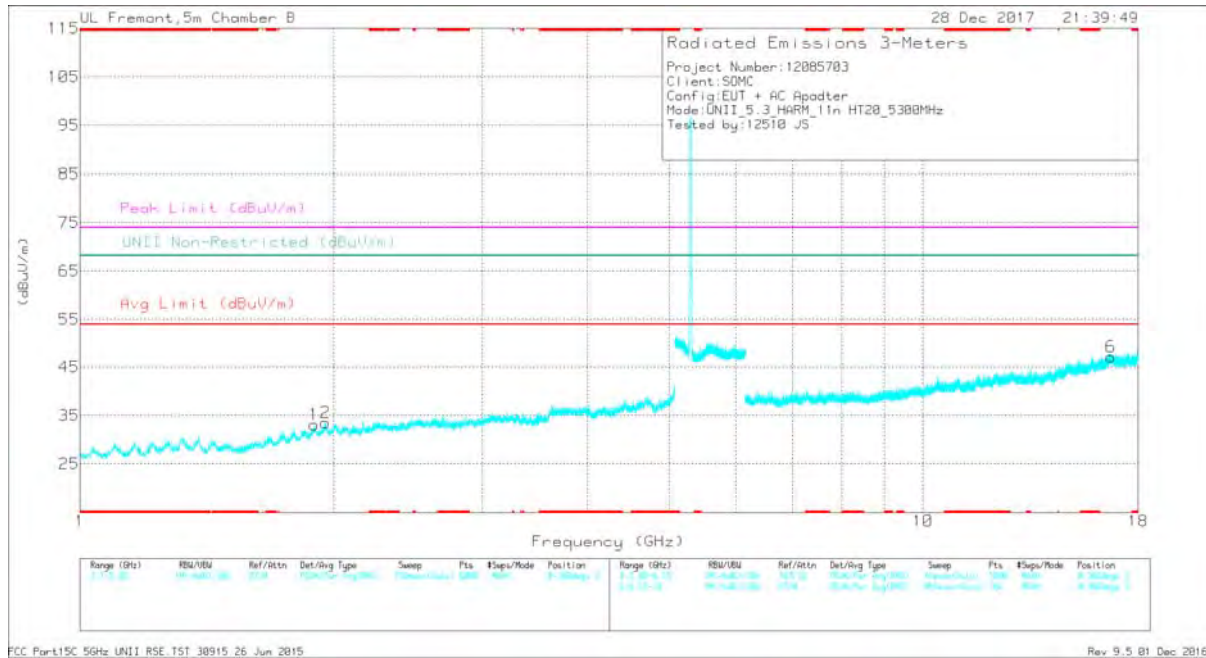
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Radiated Emissions

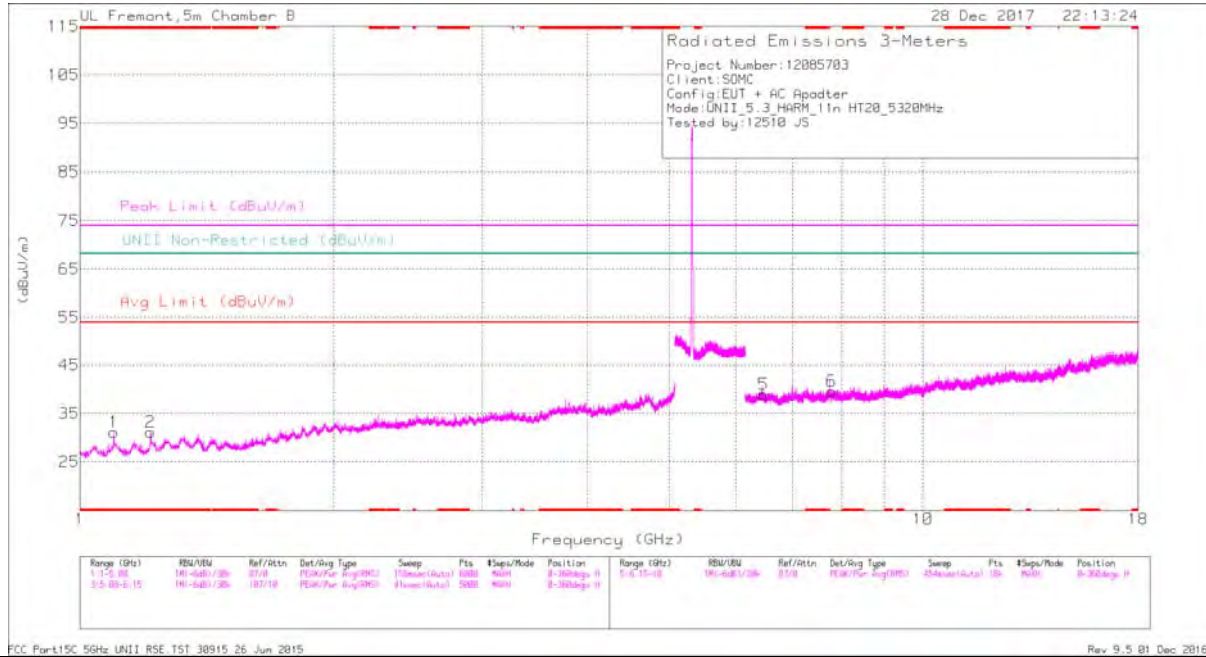
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.896	41.6	PK-U	30.9	-33.2	0	39.3	-	-	-	-	68.2	-28.9	79	255	V
2	1.956	42	PK-U	31.1	-32.5	0	40.6	-	-	-	-	68.2	-27.6	1	291	V
3	3.059	40.31	PK-U	33	-32.1	0	41.21	-	-	-	-	68.2	-26.99	348	362	H
4	7.004	38.51	PK-U	35.8	-28.2	0	46.11	-	-	-	-	68.2	-22.09	78	130	H
5	12.801	35.12	PK-U	39.4	-23.7	0	50.82	-	-	-	-	68.2	-17.38	62	283	H
6	16.709	33.06	PK-U	42.3	-21.9	0	53.46	-	-	-	-	68.2	-14.74	113	208	V

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

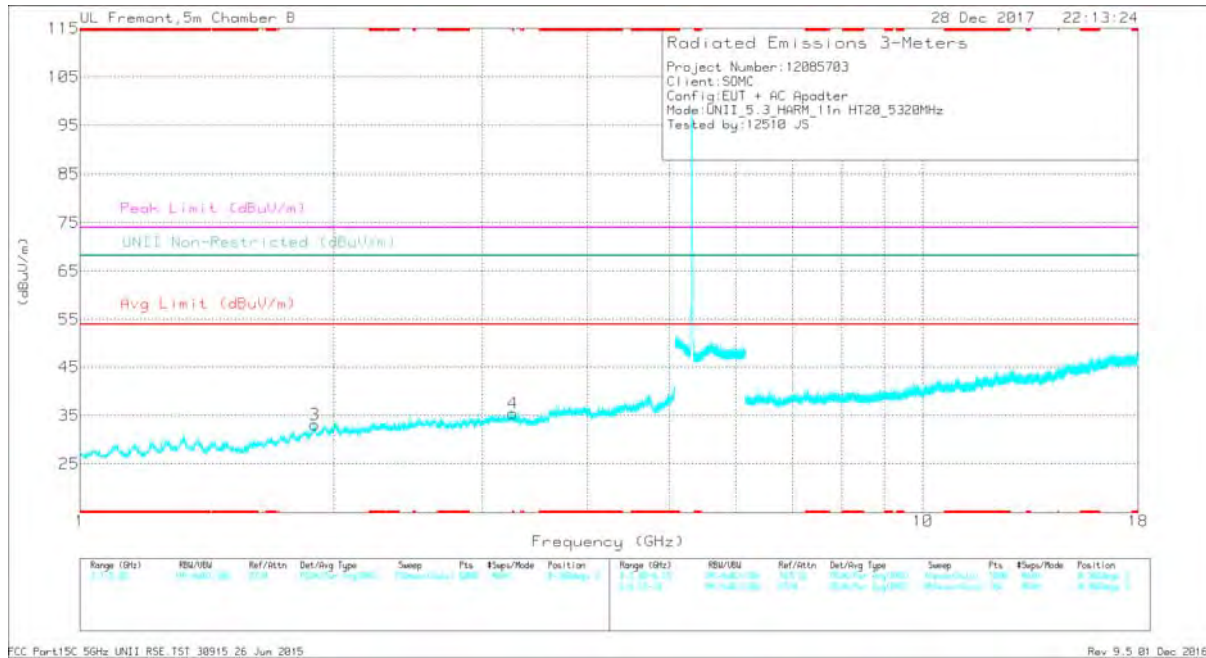
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.096	42.46	PK-U	27.6	-34.4	0	35.66	-	-	74	-38.34	-	-	309	144	H
	* 1.098	30.22	ADR	27.6	-34.3	.13	23.65	54	-30.35	-	-	-	-	309	144	H
2	* 1.214	42.65	PK-U	28.2	-34.4	0	36.45	-	-	74	-37.55	-	-	306	368	H
	* 1.214	30.12	ADR	28.2	-34.4	.13	24.05	54	-29.95	-	-	-	-	306	368	H
4	* 3.261	40.08	PK-U	33	-31.4	0	41.68	-	-	74	-32.32	-	-	70	285	V
	* 3.26	27.76	ADR	33	-31.5	.13	29.39	54	-24.61	-	-	-	-	70	285	V
3	1.897	42.24	PK-U	30.9	-33.2	0	39.94	-	-	-	-	68.2	-28.26	223	192	V
5	6.47	38.99	PK-U	35.7	-29.2	0	45.49	-	-	-	-	68.2	-22.71	40	209	H
6	7.791	38.8	PK-U	36	-27.8	0	47	-	-	-	-	68.2	-21.2	203	225	H

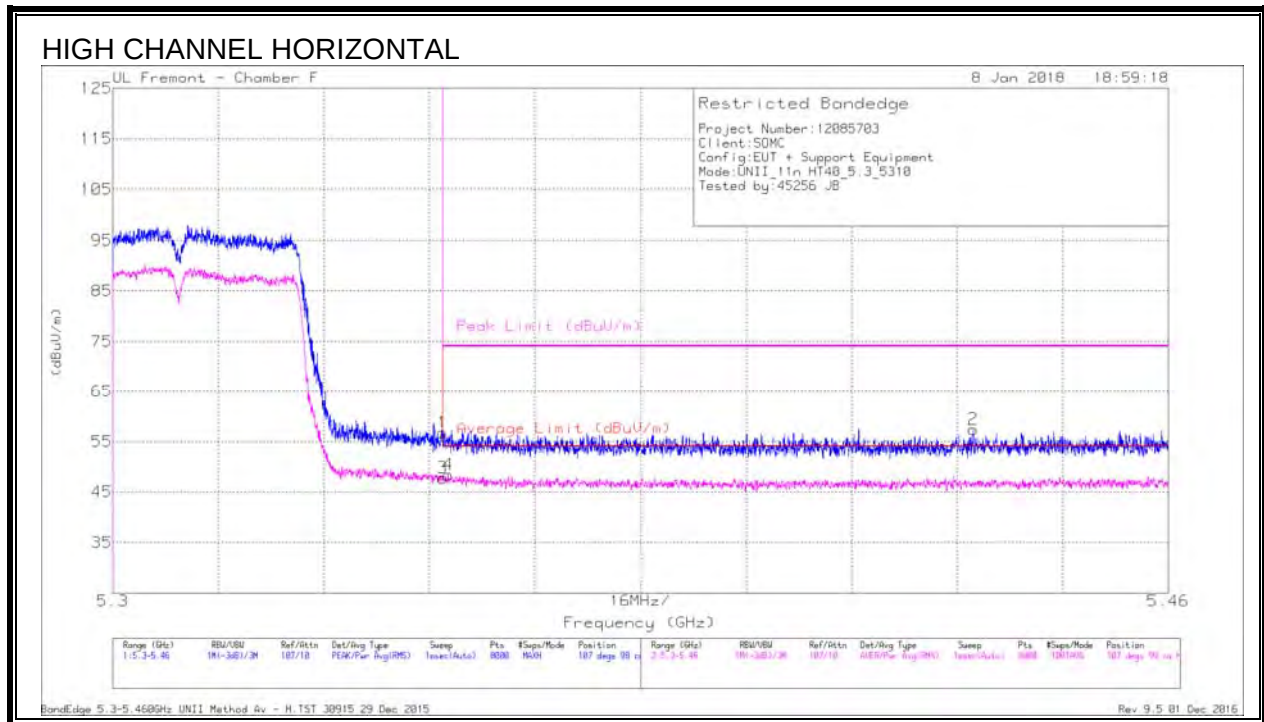
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.7. 11n HT40 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



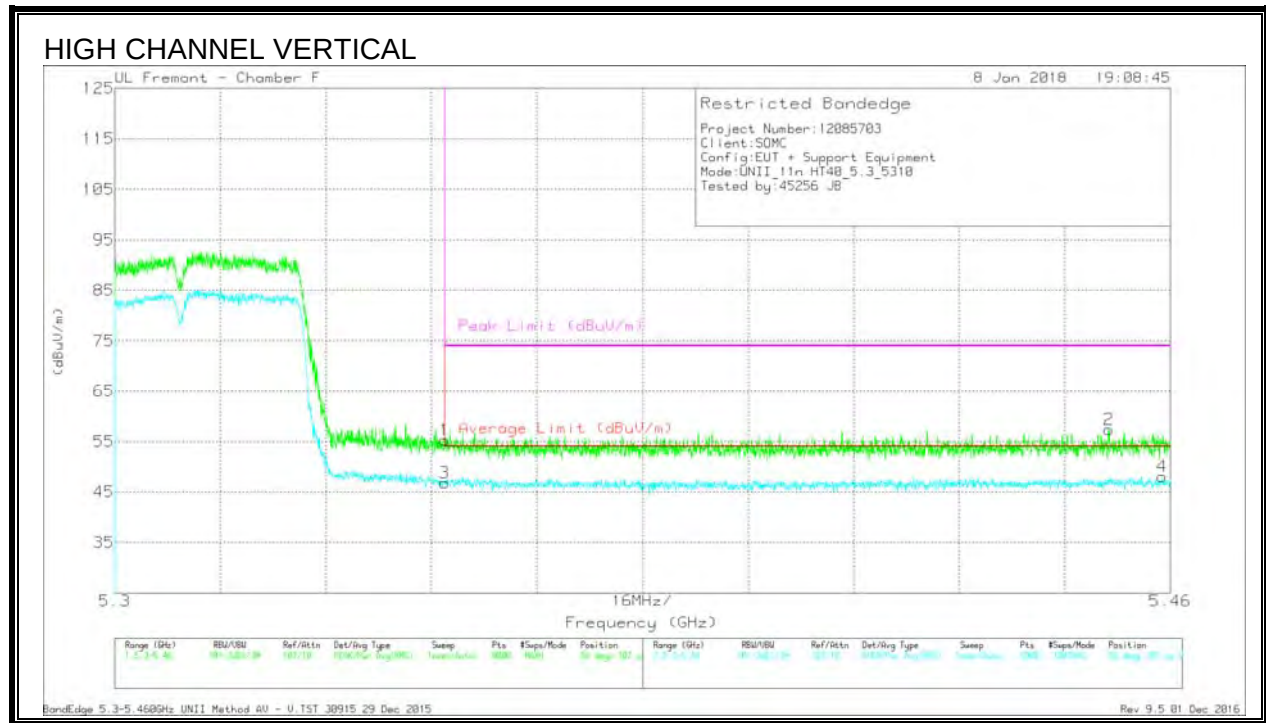
Trace Marker

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/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	* 5.35	40.25	Pk	34.7	-18.2	0	56.75	-	-	74	-17.25	107	98	H
2	* 5.43	41.03	Pk	34.7	-18.3	0	57.43	-	-	74	-16.57	107	98	H
3	* 5.35	30.74	RMS	34.7	-18.2	.51	47.75	54	-6.25	-	-	107	99	H
4	* 5.351	31.4	RMS	34.7	-18.2	.51	48.41	54	-5.59	-	-	107	99	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

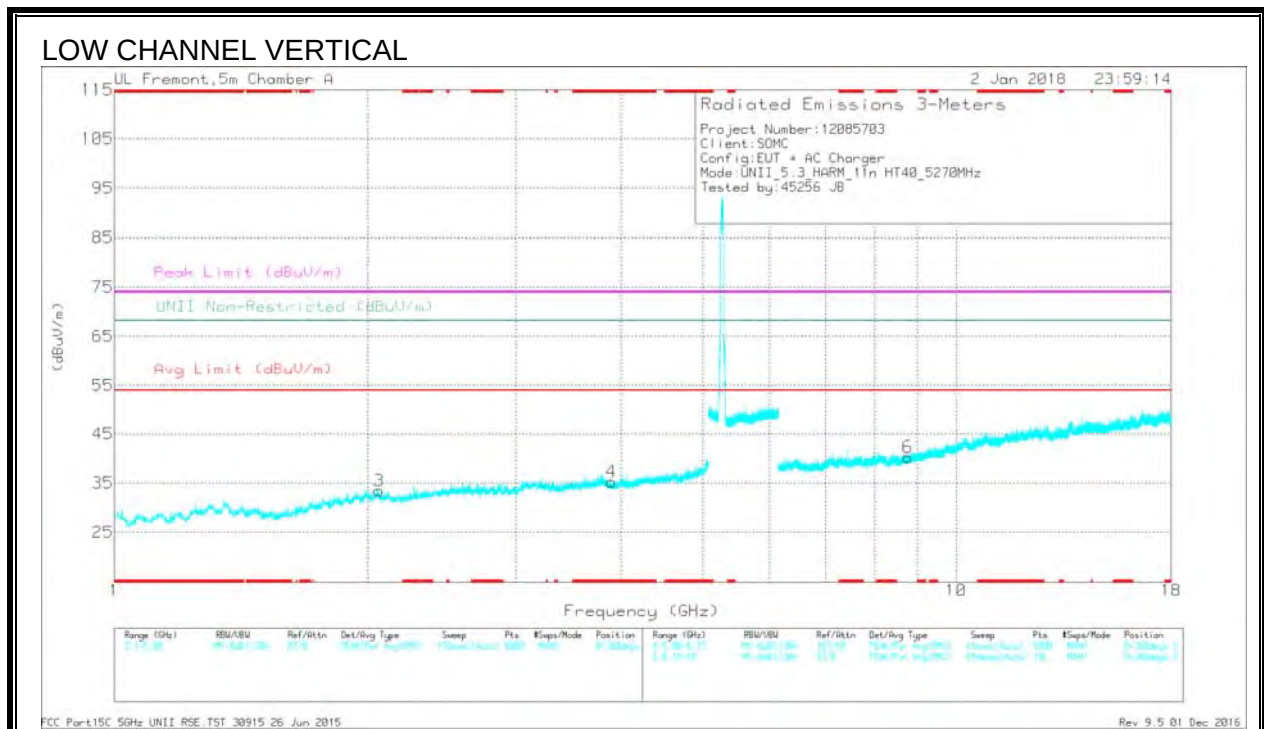
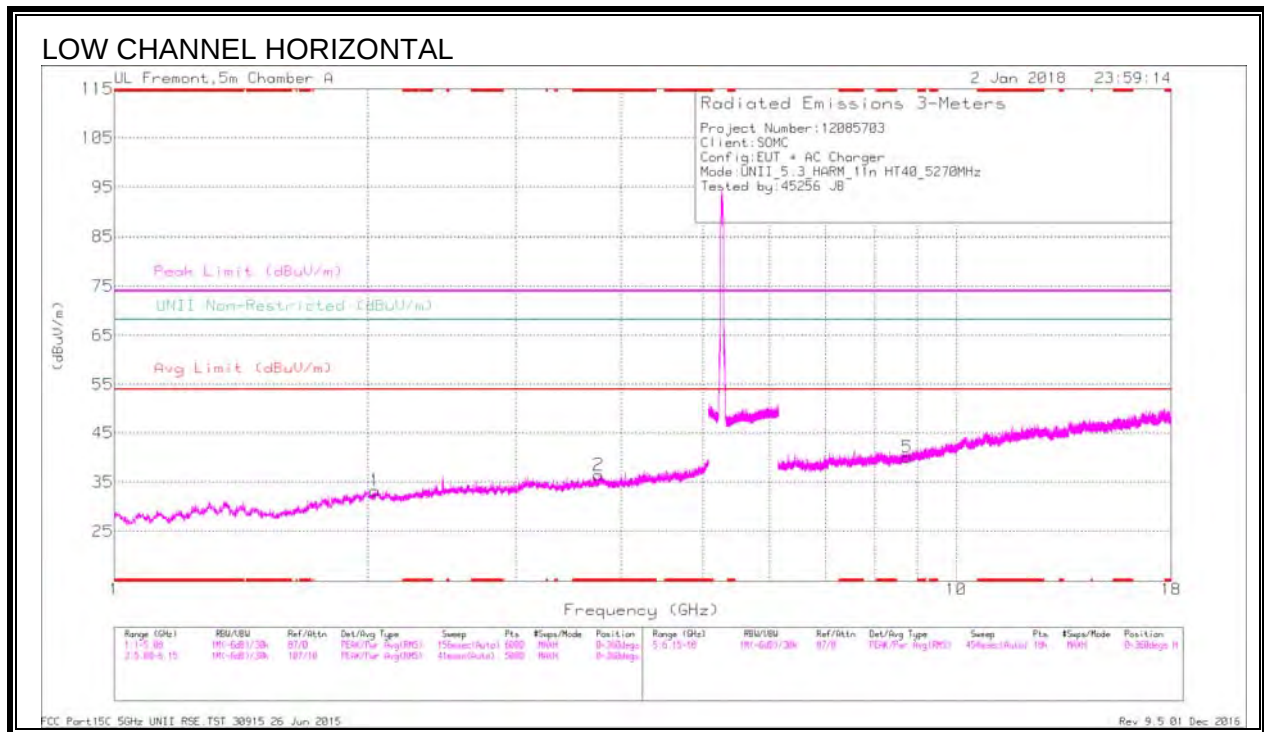
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.75	Pk	34.7	-18.2	0	55.25	-	-	74	-18.75	56	107	V
2	* 5.451	40.84	Pk	34.8	-18.3	0	57.34	-	-	74	-16.66	56	107	V
3	* 5.35	29.86	RMS	34.7	-18.2	.51	46.87	54	-7.13	-	-	56	107	V
4	* 5.459	31	RMS	34.8	-18.3	.51	48.01	54	-5.99	-	-	56	107	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

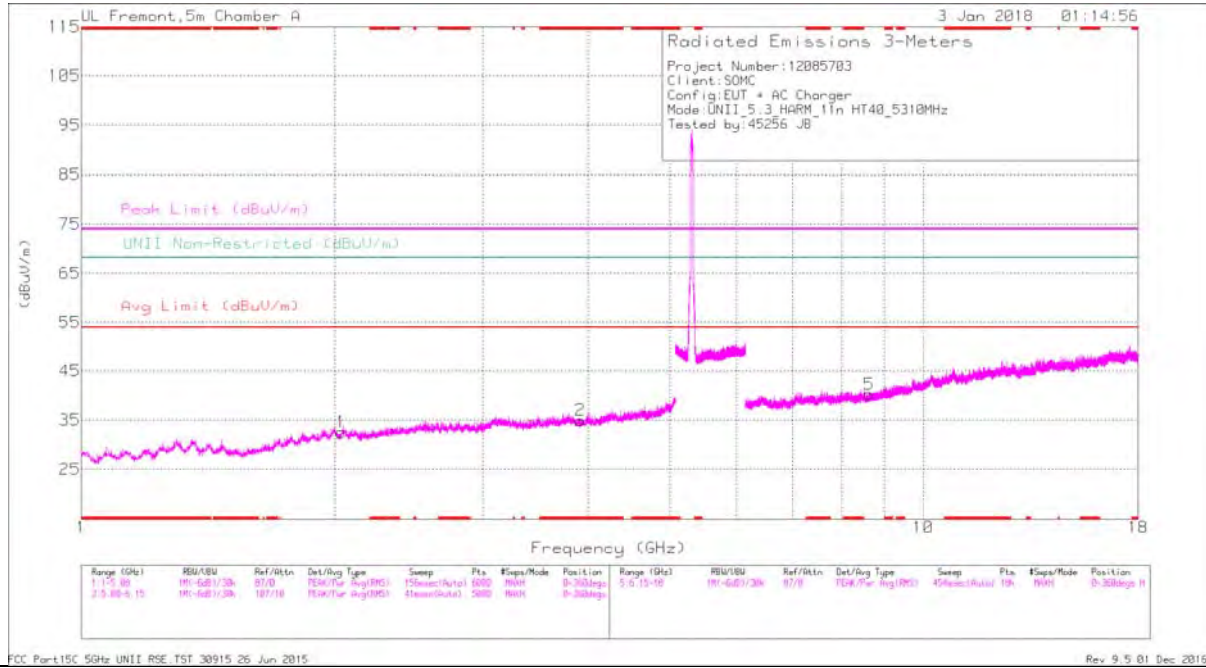
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.76	37.45	PK-U	33.2	-28.3	0	42.35	-	-	74	-31.65	-	-	62	122	H
	* 3.762	25.54	ADR	33.2	-28.3	.51	30.95	54	-23.05	-	-	-	-	62	122	H
4	* 3.896	37.54	PK-U	33.1	-28.9	0	41.74	-	-	74	-32.26	-	-	305	230	V
	* 3.899	25.98	ADR	33.1	-28.9	.51	30.69	54	-23.31	-	-	-	-	305	230	V
1	2.043	37.96	PK-U	31.4	-30.1	0	39.26	-	-	-	-	68.2	-28.94	312	378	H
3	2.064	38.68	PK-U	31.3	-30.3	0	39.68	-	-	-	-	68.2	-28.52	112	387	V
5	8.753	33.11	PK-U	36	-22.2	0	46.91	-	-	-	-	68.2	-21.29	120	140	H
6	8.766	32.9	PK-U	36	-22.1	0	46.8	-	-	-	-	68.2	-21.4	88	102	V

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

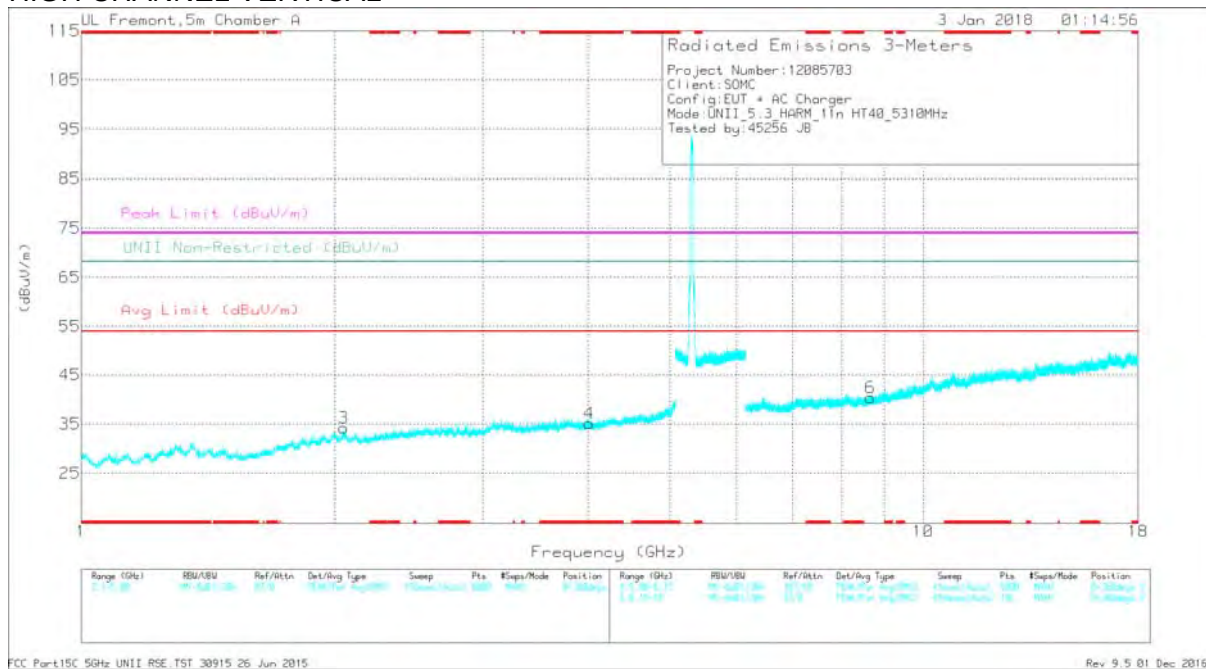
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.914	37.74	PK-U	33.2	-28.8	0	42.14	-	-	74	-31.86	-	-	114	151	H
	* 3.914	25.72	ADR	33.2	-28.8	.51	30.63	54	-23.37	-	-	-	-	114	151	H
4	* 4.013	36.31	PK-U	33.4	-27.9	0	41.81	-	-	74	-32.19	-	-	264	370	V
	* 4.014	24.79	ADR	33.4	-27.9	.51	30.8	54	-23.2	-	-	-	-	264	370	V
1	2.035	37.68	PK-U	31.4	-30.2	0	38.88	-	-	-	-	68.2	-29.32	133	359	H
3	2.049	38.64	PK-U	31.4	-30.1	0	39.94	-	-	-	-	68.2	-28.26	328	109	V
5	8.628	32.82	PK-U	35.9	-22.1	0	46.62	-	-	-	-	68.2	-21.58	10	108	H
6	8.659	33.53	PK-U	35.9	-22.1	0	47.33	-	-	-	-	68.2	-20.87	320	149	V

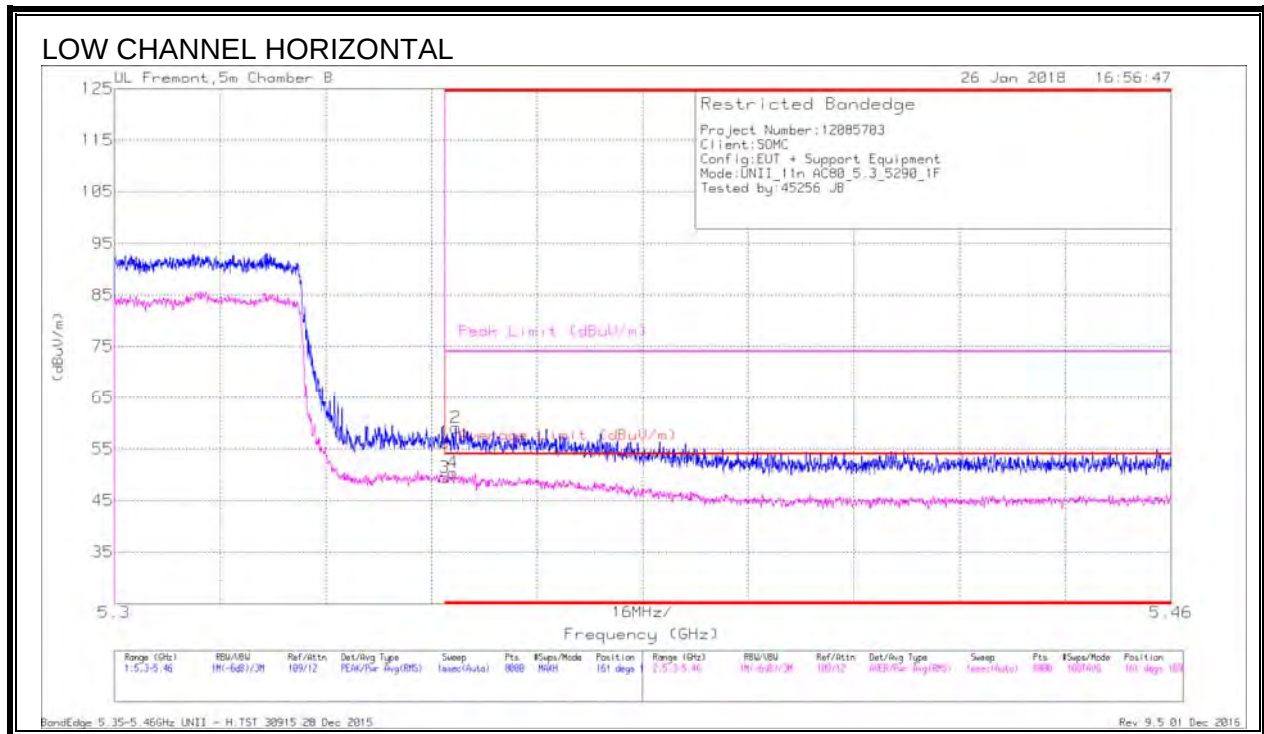
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.8. 11ac HT80 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



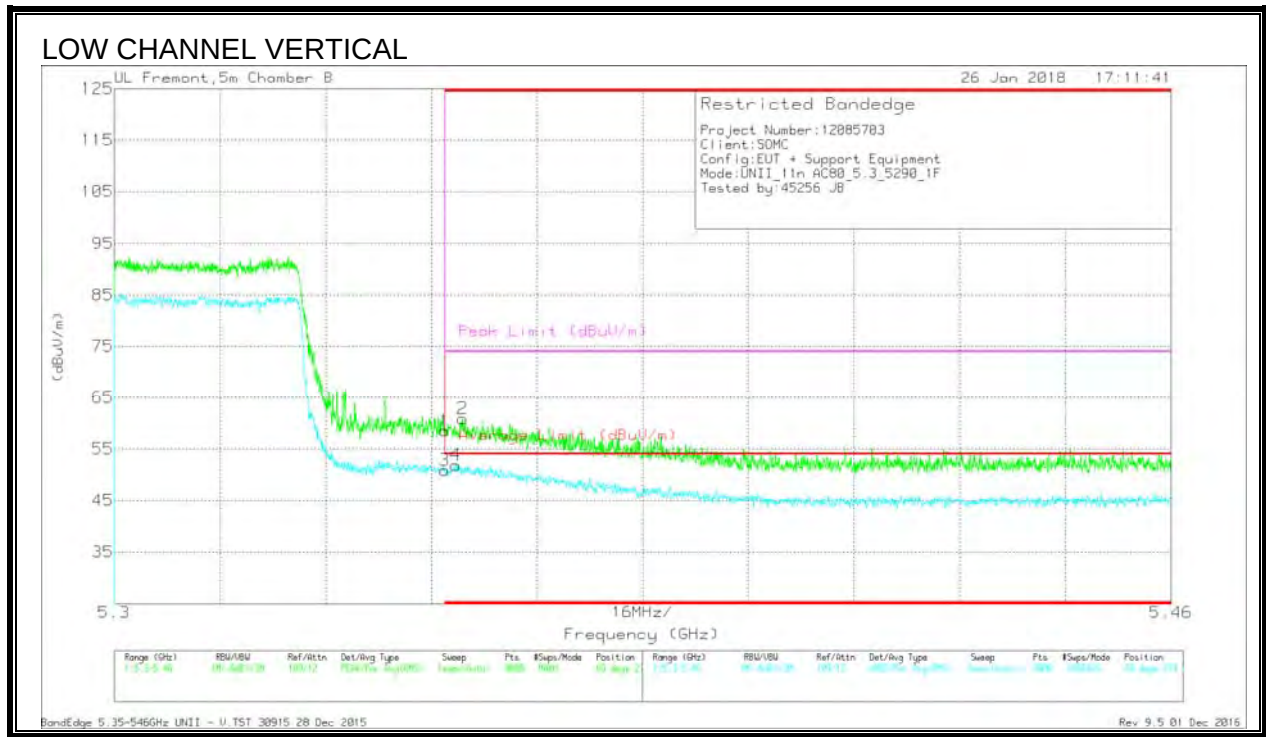
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/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	* 5.35	40.52	Pk	34.9	-19.2	0	56.22	-	-	74	-17.78	161	109	H
2	* 5.352	43.28	Pk	34.9	-19.1	0	59.08	-	-	74	-14.92	161	109	H
3	* 5.35	32.96	RMS	34.9	-19.2	.8	49.46	54	-4.54	-	-	161	109	H
4	* 5.351	33.74	RMS	34.9	-19.1	.8	50.34	54	-3.66	-	-	161	109	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

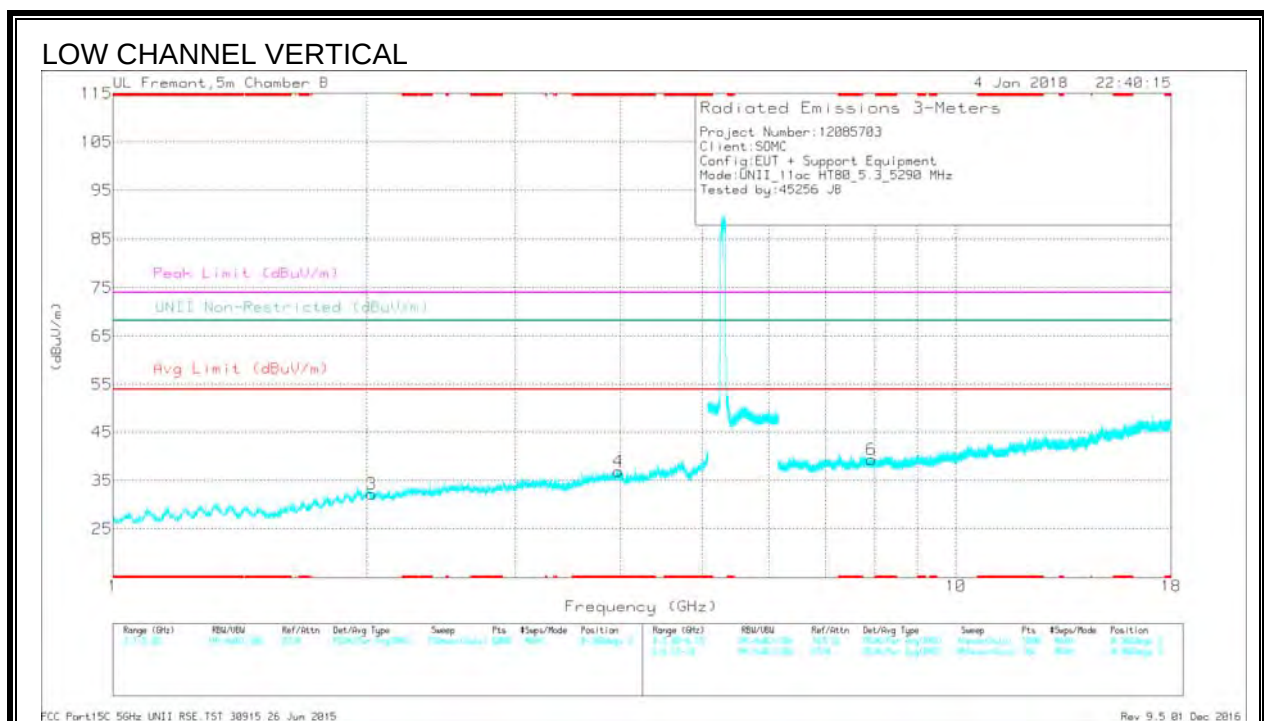
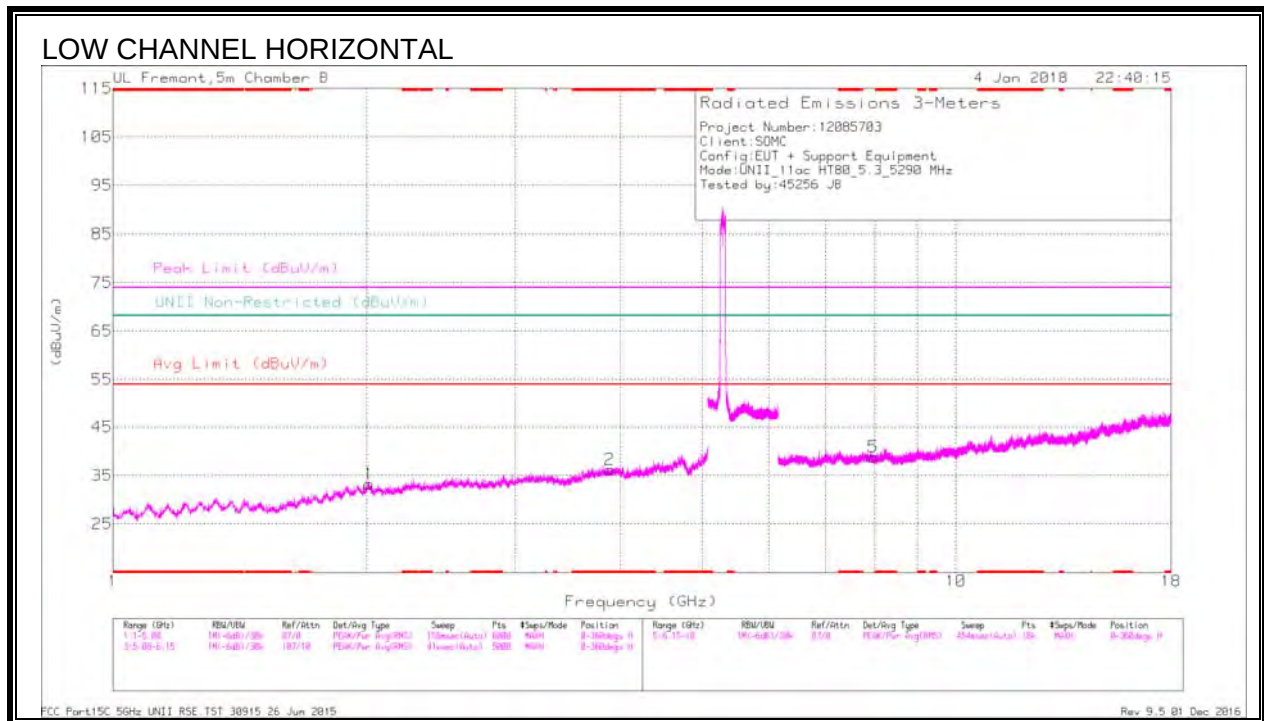
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.81	Pk	34.9	-19.2	0	58.51	-	-	74	-15.49	69	274	V
3	* 5.35	34.33	RMS	34.9	-19.2	.8	50.83	54	-3.17	-	-	69	274	V
4	* 5.352	35.24	RMS	34.9	-19.1	.8	51.84	54	-2.16	-	-	69	274	V
2	* 5.353	44.96	Pk	34.9	-19	0	60.86	-	-	74	-13.14	69	274	V

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.884	41.16	PK-U	33.5	-31.3	0	43.36	-	-	74	-30.64	-	-	2	120	H
	* 3.883	29.28	ADR	33.5	-31.3	.8	32.28	54	-21.72	-	-	-	-	2	120	H
4	* 3.975	40.17	PK-U	33.5	-30.3	0	43.37	-	-	74	-30.63	-	-	290	264	V
	* 3.974	28.55	ADR	33.5	-30.3	.8	32.55	54	-21.45	-	-	-	-	290	264	V
1	2.012	41.21	PK-U	31.3	-32.6	0	39.91	-	-	-	-	68.2	-28.29	236	138	H
3	2.027	40.6	PK-U	31.4	-32.7	0	39.3	-	-	-	-	68.2	-28.9	95	213	V
6	7.942	37.35	PK-U	36	-28.1	0	45.25	-	-	-	-	68.2	-22.95	299	181	V
5	7.978	38.13	PK-U	36	-27.8	0	46.33	-	-	-	-	68.2	-21.87	262	179	H

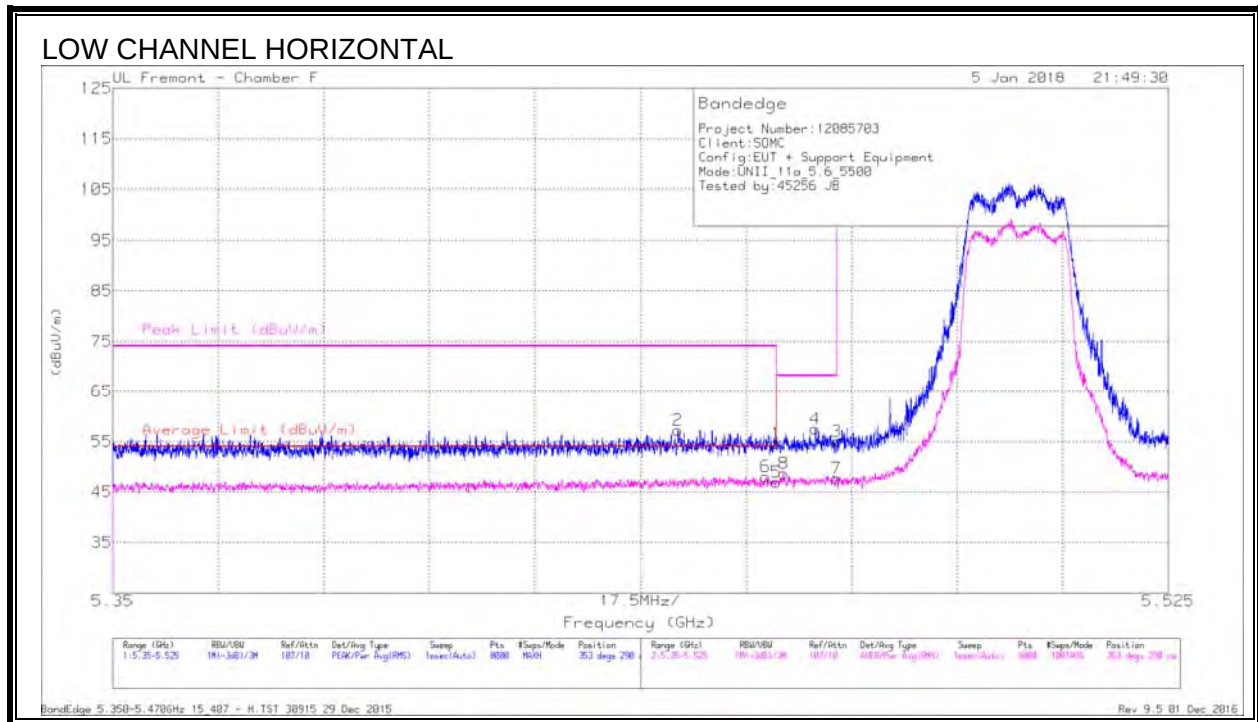
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.9. 11a 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



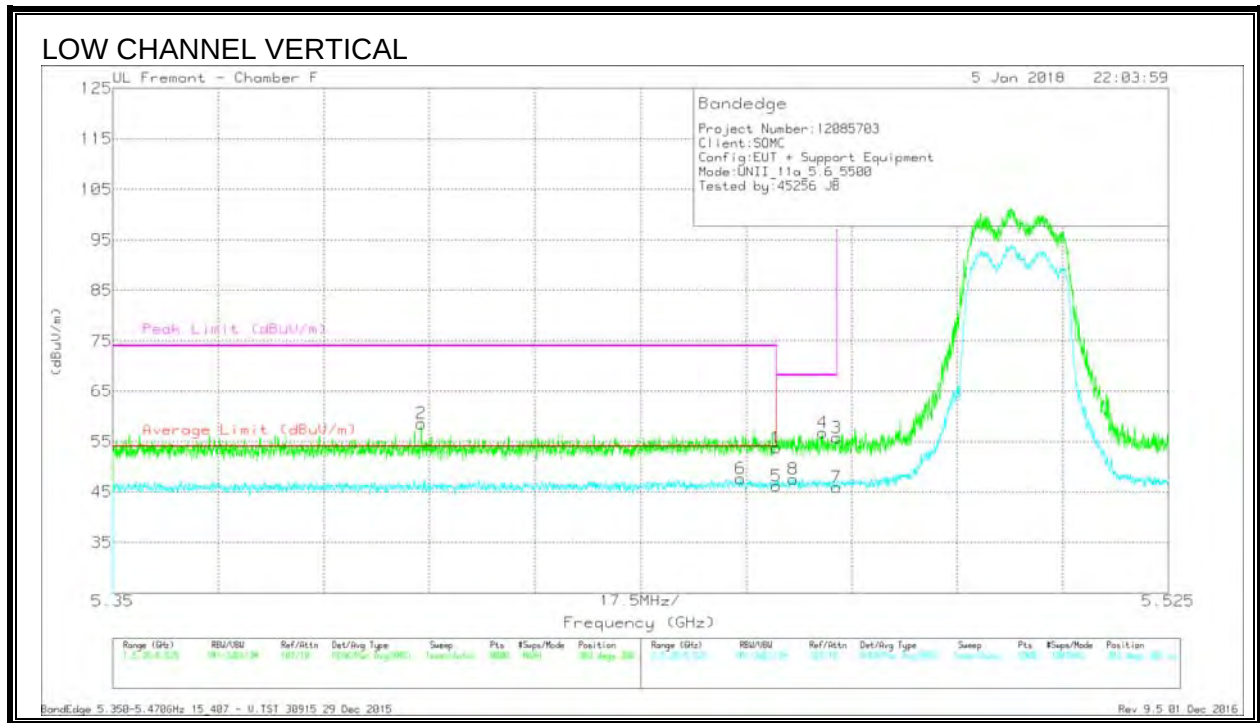
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/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	* 5.46	38.18	Pk	34.8	-18.3	0	54.68	-	-	74	-19.32	353	290	H
2	* 5.444	40.76	Pk	34.8	-18.3	0	57.26	-	-	74	-16.74	353	290	H
3	5.47	38.52	Pk	34.8	-18.3	0	55.02	-	-	68.2	-13.18	353	290	H
4	5.467	40.96	Pk	34.8	-18.3	0	57.46	-	-	68.2	-10.74	353	290	H
5	* 5.46	30.36	RMS	34.8	-18.3	.13	46.99	54	-7.01	-	-	353	290	H
6	* 5.458	31.46	RMS	34.8	-18.3	.13	48.09	54	-5.91	-	-	353	290	H
7	5.47	31.08	RMS	34.8	-18.3	.13	47.71	-	-	-	-	353	290	H
8	5.461	32.04	RMS	34.8	-18.3	.13	48.67	-	-	-	-	353	290	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

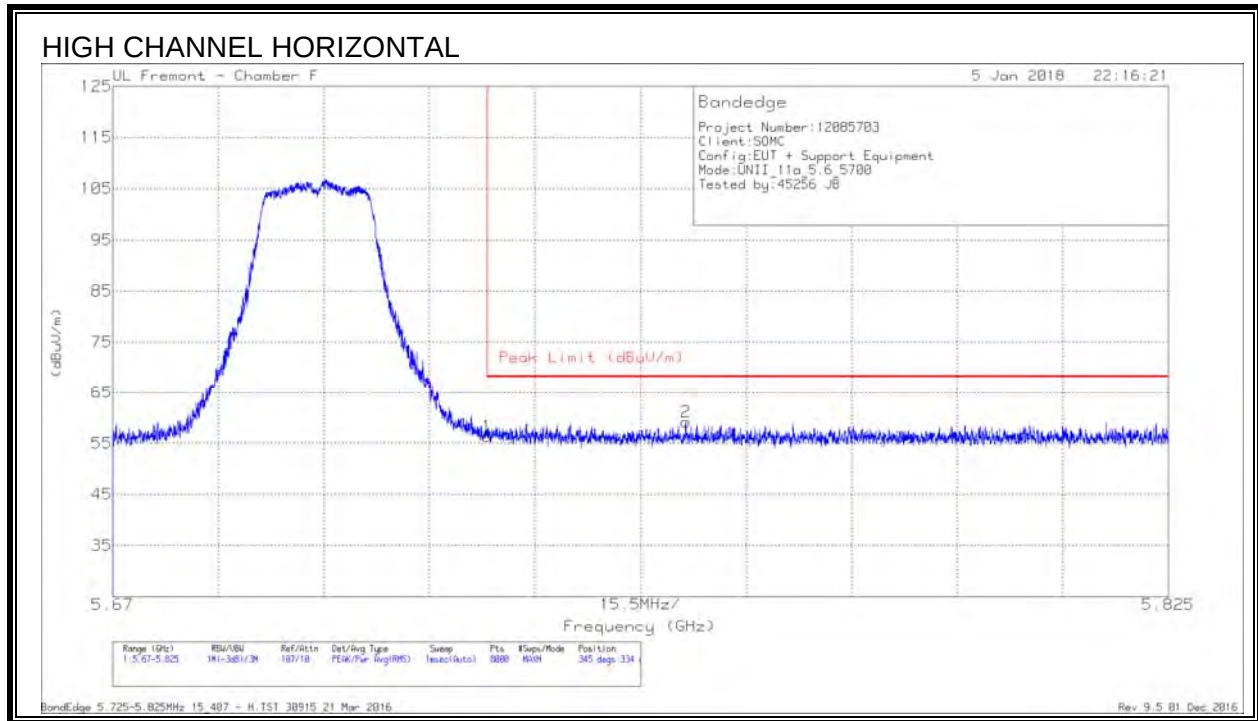
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.31	Pk	34.8	-18.3	0	53.81	-	-	74	-20.19	303	388	V
2	* 5.401	42.05	Pk	34.7	-18.2	0	58.55	-	-	74	-15.45	303	388	V
3	5.47	39.3	Pk	34.8	-18.3	0	55.8	-	-	68.2	-12.4	303	388	V
4	5.468	40.29	Pk	34.8	-18.3	0	56.79	-	-	68.2	-11.41	303	388	V
5	* 5.46	29.53	RMS	34.8	-18.3	.13	46.16	54	-7.84	-	-	303	388	V
6	* 5.454	31.1	RMS	34.8	-18.3	.13	47.73	54	-6.27	-	-	303	388	V
7	5.47	29.27	RMS	34.8	-18.3	.13	45.9	-	-	-	-	303	388	V
8	5.463	30.96	RMS	34.8	-18.3	.13	47.59	-	-	-	-	303	388	V

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

Pk - Peak detector

RMS - RMS detection

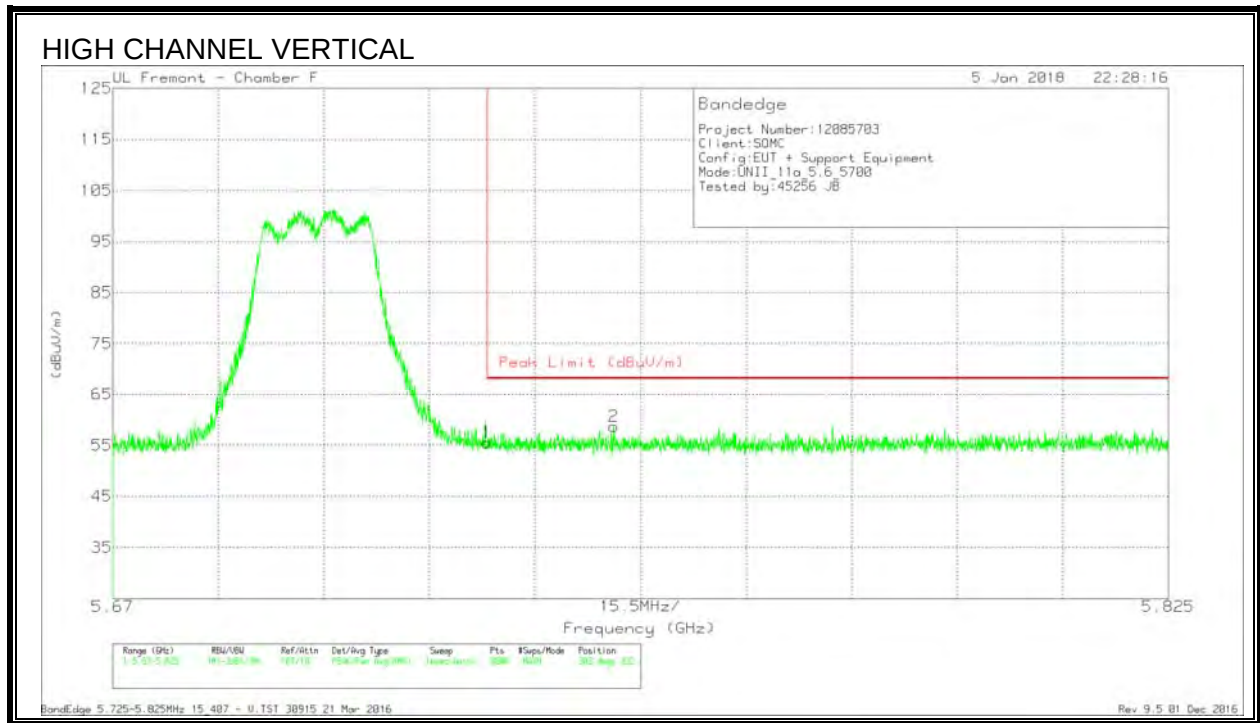
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.94	Pk	35	-17.6	56.34	68.2	-11.86	345	334	H
2	5.754	41.74	Pk	35.1	-17.6	59.24	68.2	-8.96	345	334	H

Pk - Peak detector

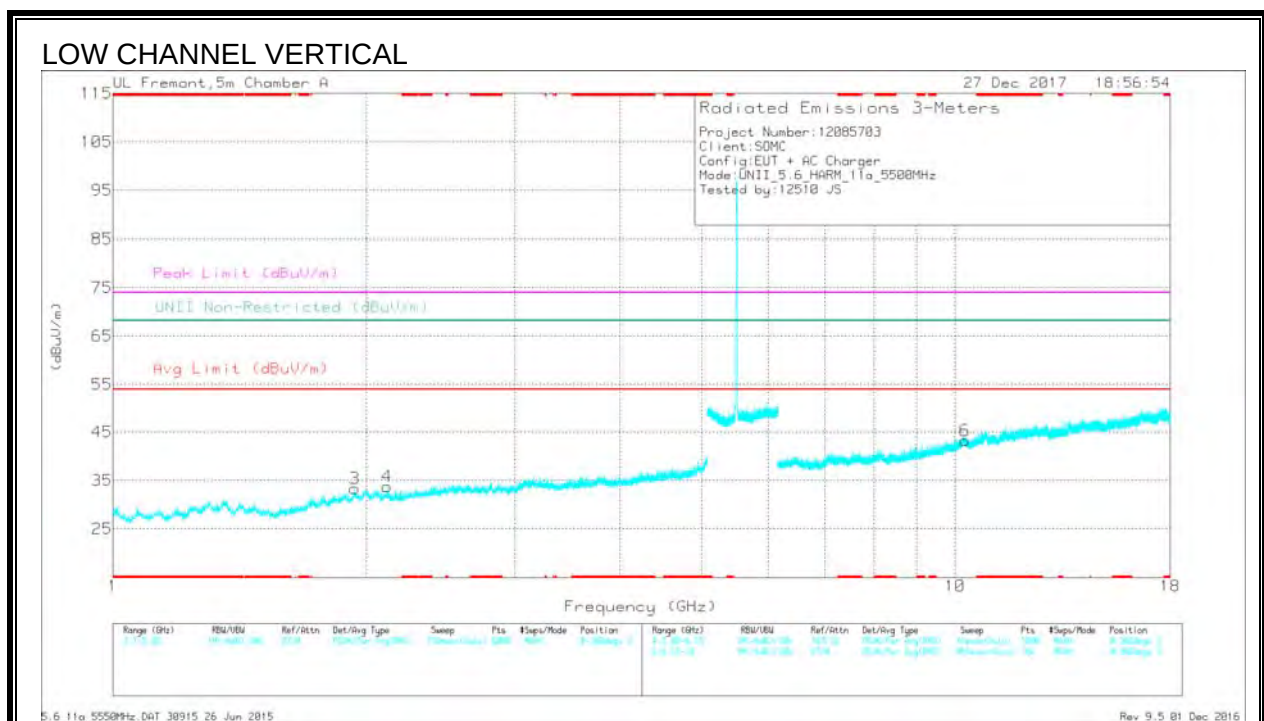
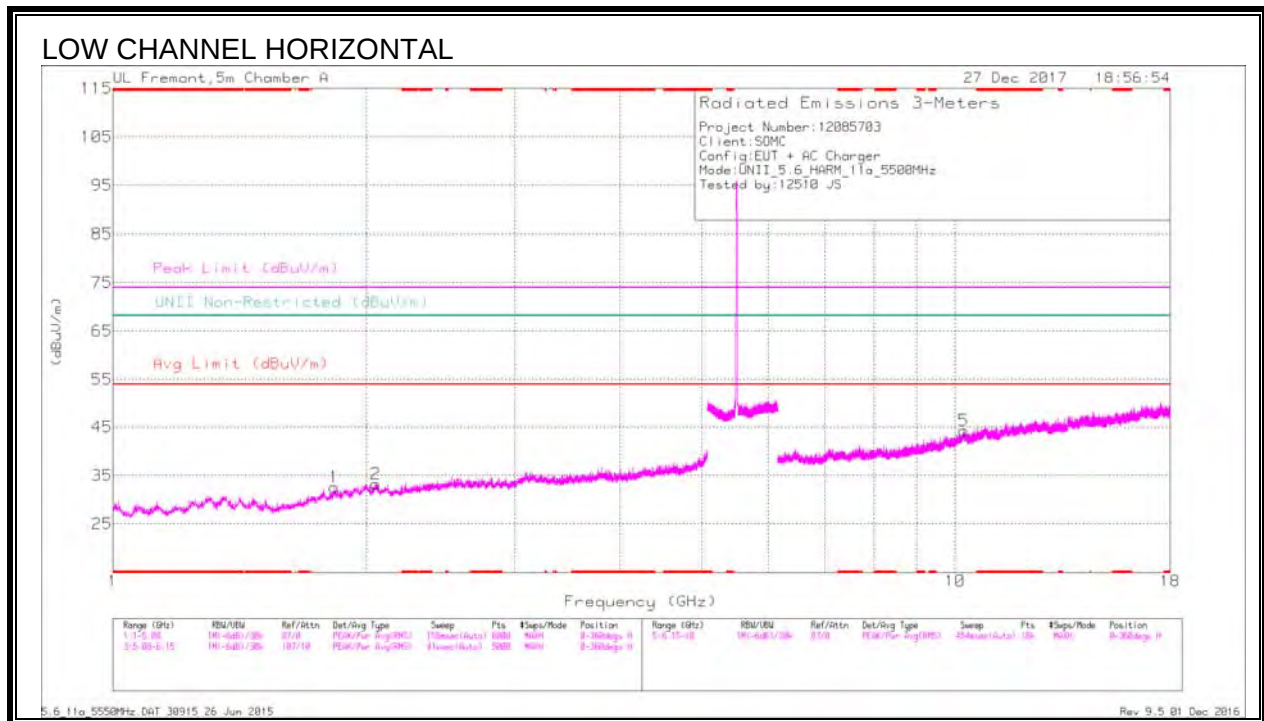


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.16	Pk	35	-17.6	55.56	68.2	-12.64	303	332	V
2	5.744	41.25	Pk	35	-17.5	58.75	68.2	-9.45	303	332	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

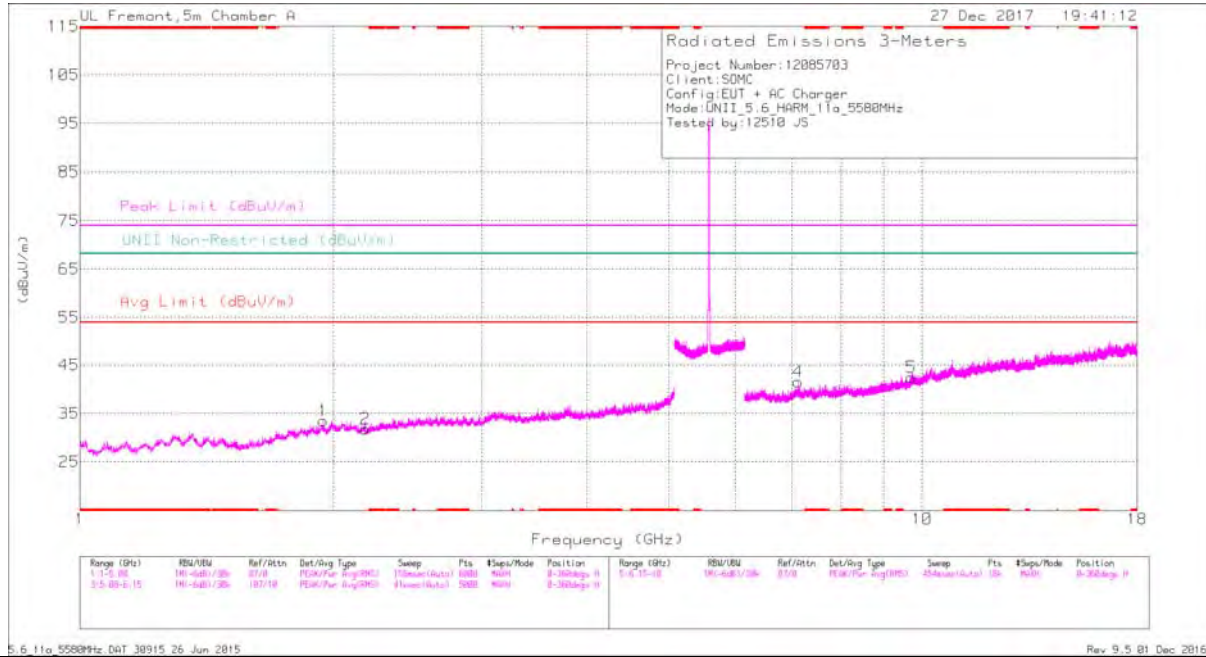
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.83	38.96	PK-U	30.6	-31.2	0	38.36	-	-	-	-	68.2	-29.84	50	102	H
3	1.936	39.18	PK-U	31.3	-31	0	39.48	-	-	-	-	68.2	-28.72	238	102	V
2	2.053	38.77	PK-U	31.4	-30.1	0	40.07	-	-	-	-	68.2	-28.13	9	102	H
4	2.116	38.85	PK-U	31.1	-30.3	0	39.65	-	-	-	-	68.2	-28.55	169	102	V
5	10.239	32.69	PK-U	37.5	-19.1	0	51.09	-	-	-	-	68.2	-17.11	228	102	H
6	10.27	32.26	PK-U	37.5	-19.5	0	50.26	-	-	-	-	68.2	-17.94	129	102	V

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

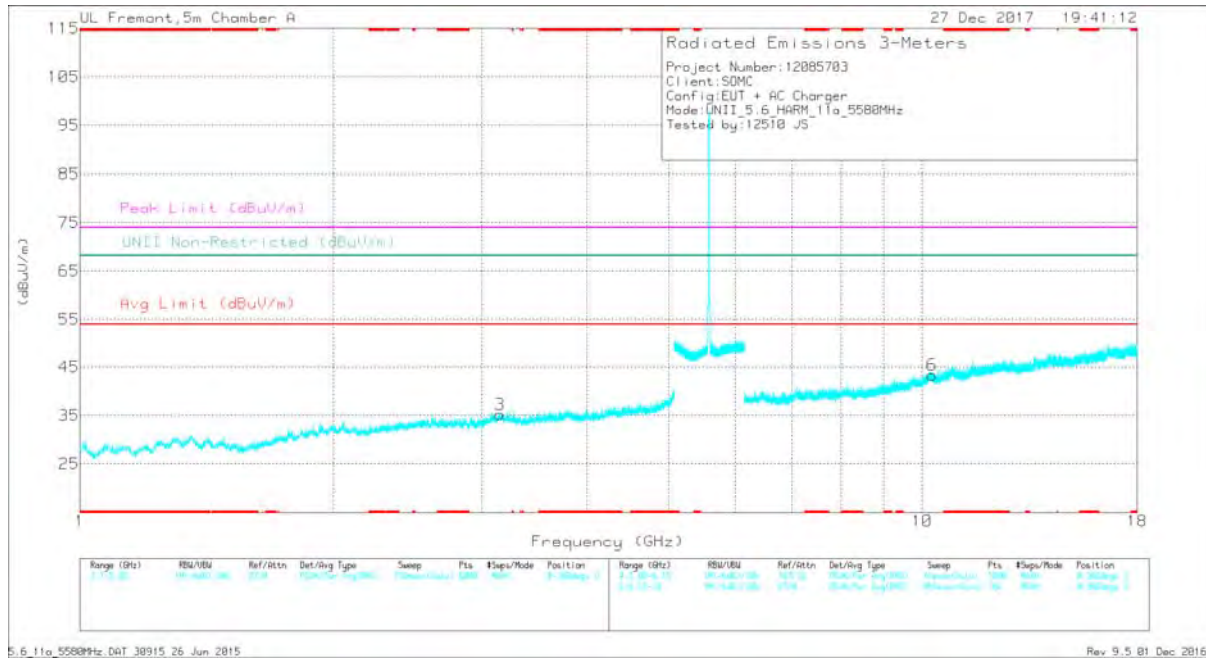
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Radiated Emissions

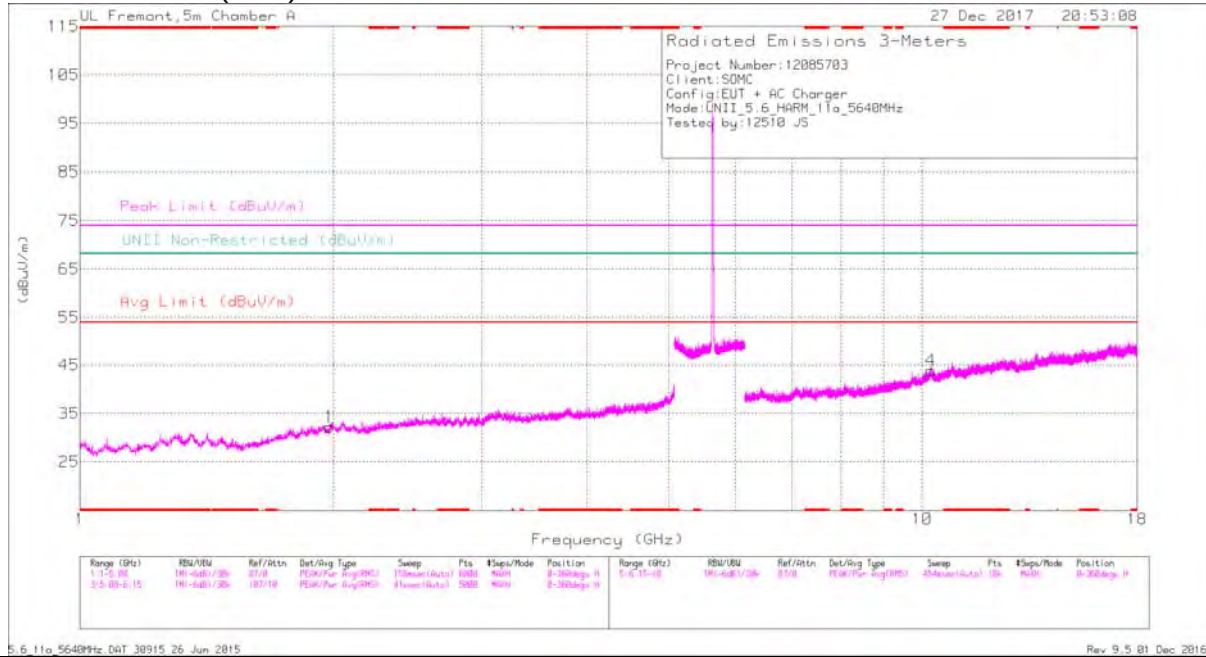
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.944	38.84	PK-U	31.3	-31	0	39.14	-	-	-	-	68.2	-29.06	166	102	H
2	2.183	39.05	PK-U	31.1	-30.9	0	39.25	-	-	-	-	68.2	-28.95	86	102	H
3	3.153	37.34	PK-U	32.8	-28.4	0	41.74	-	-	-	-	68.2	-26.46	164	165	V
4	7.128	33.52	PK-U	35.7	-22.6	0	46.62	-	-	-	-	68.2	-21.58	107	199	H
5	9.709	33.35	PK-U	36.9	-20.9	0	49.35	-	-	-	-	68.2	-18.85	140	154	H
6	10.268	31.84	PK-U	37.5	-19.5	0	49.84	-	-	-	-	68.2	-18.36	51	183	V

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

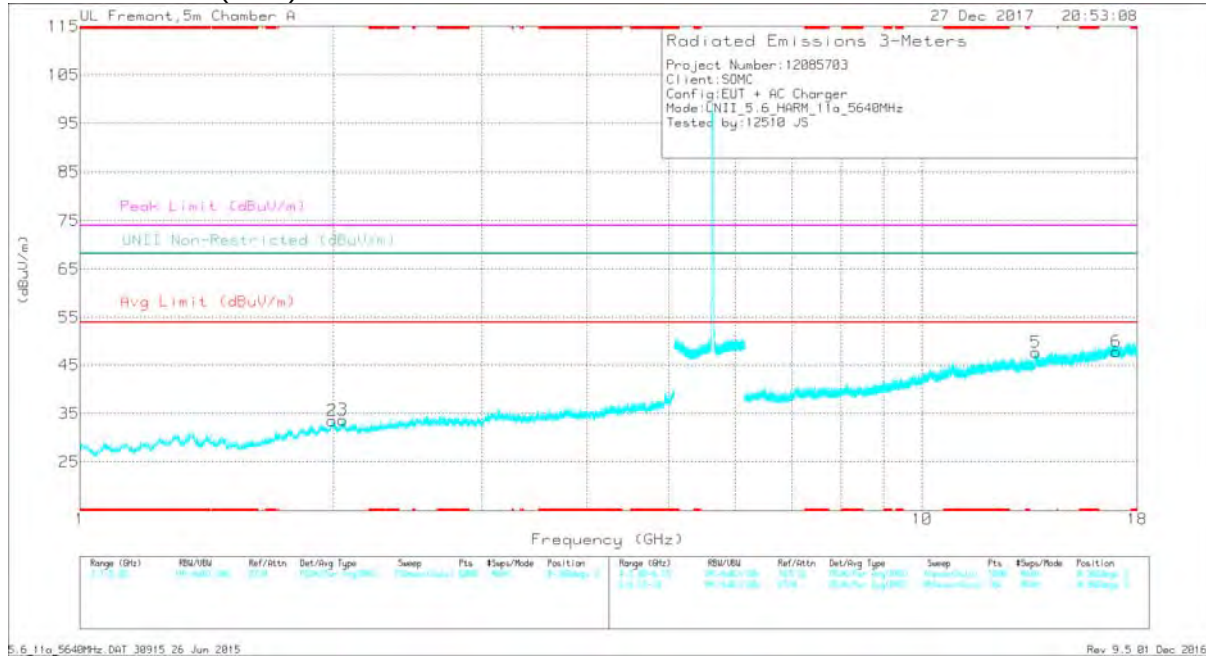
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL (FCC) HORIZONTAL



MID CHANNEL (FCC) VERTICAL



Radiated Emissions

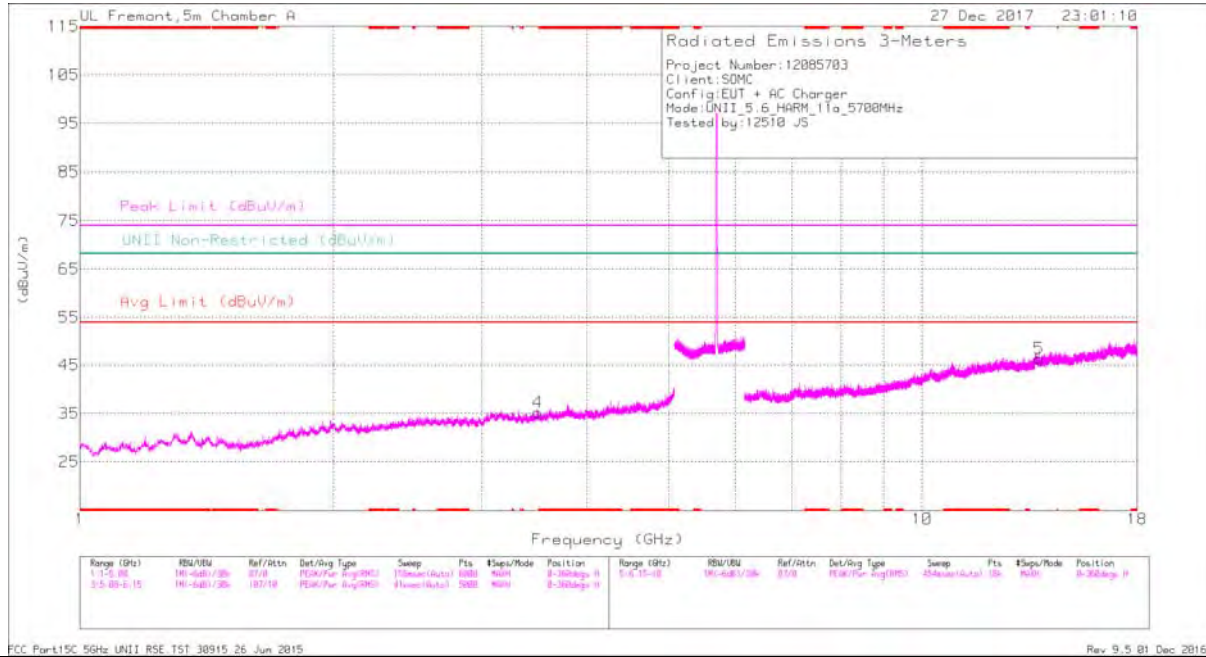
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.977	38.68	PK-U	31.4	-30.5	0	39.58	-	-	-	-	68.2	-28.62	2	142	H
2	1.993	39.12	PK-U	31.4	-30.4	0	40.12	-	-	-	-	68.2	-28.08	51	134	V
3	2.052	39.34	PK-U	31.4	-30.1	0	40.64	-	-	-	-	68.2	-27.56	230	163	V
4	10.239	32.42	PK-U	37.5	-19.1	0	50.82	-	-	-	-	68.2	-17.38	311	126	H
5	13.644	33.03	PK-U	39.3	-19.4	0	52.93	-	-	-	-	68.2	-15.27	156	177	V
6	17.002	32.63	PK-U	41.5	-19.1	0	55.03	-	-	-	-	68.2	-13.17	48	195	V

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

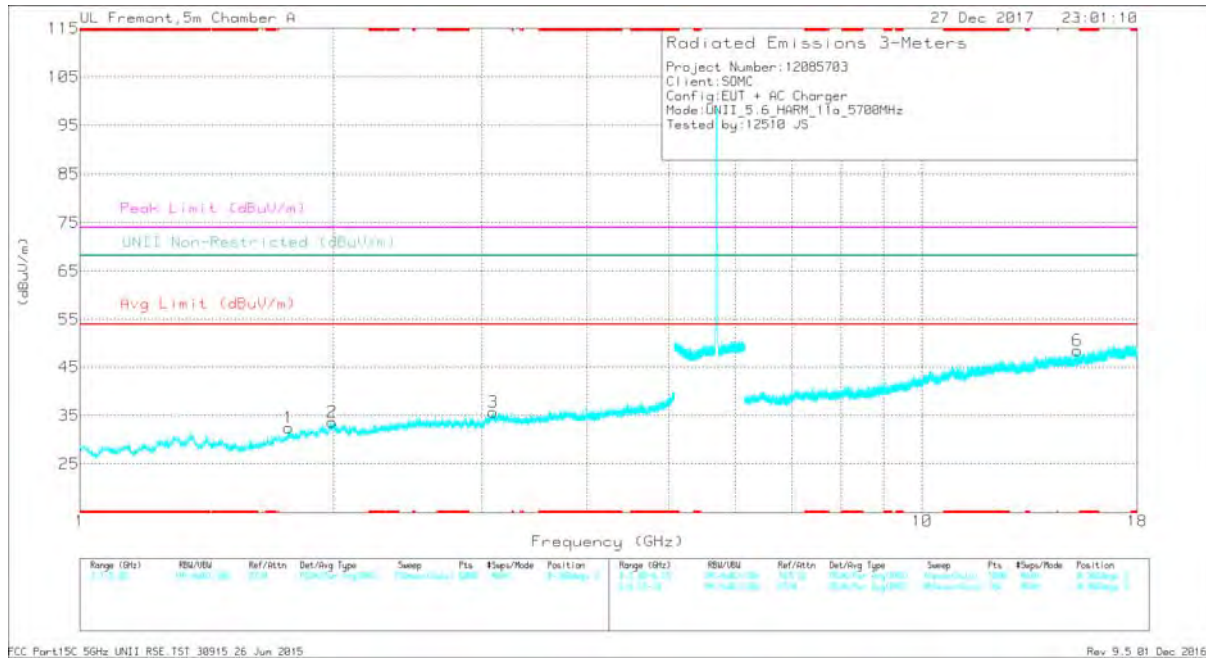
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

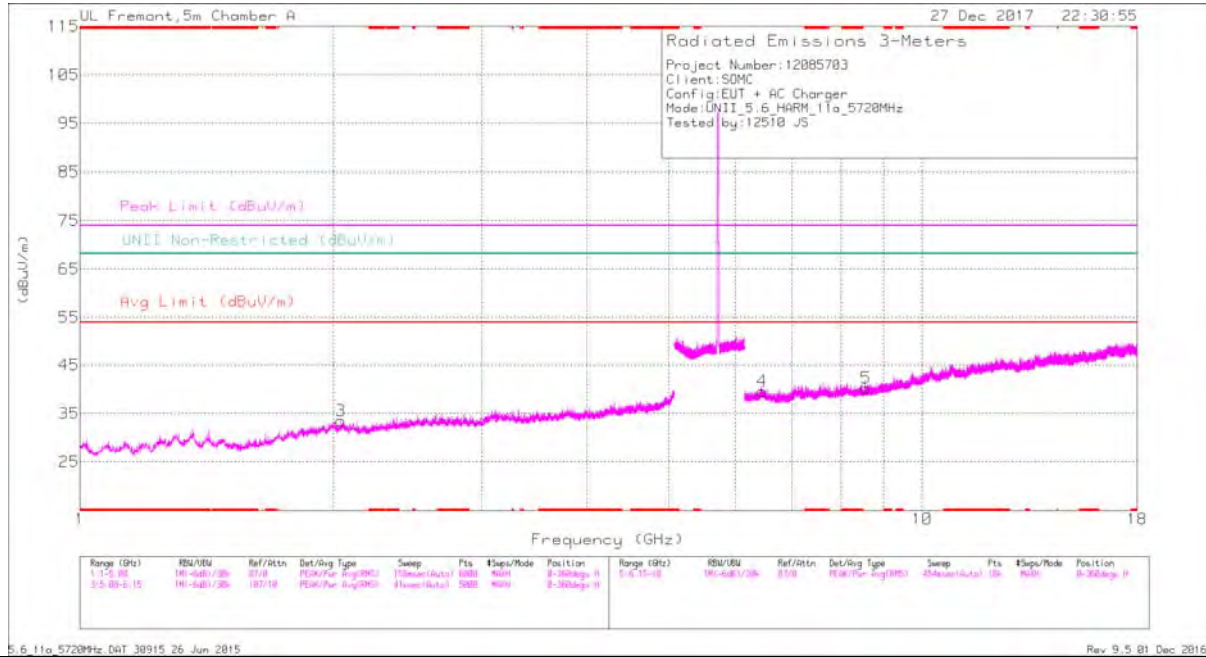
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.769	38.97	PK-U	29.9	-30.8	0	38.07	-	-	-	-	68.2	-30.13	78	270	V
2	1.995	39.1	PK-U	31.4	-30.4	0	40.1	-	-	-	-	68.2	-28.1	81	165	V
3	3.097	37.99	PK-U	32.9	-28.4	0	42.49	-	-	-	-	68.2	-25.71	324	144	V
4	3.498	37.25	PK-U	32.9	-28.3	0	41.85	-	-	-	-	68.2	-26.35	162	169	H
5	13.756	32.33	PK-U	39.3	-19.1	0	52.53	-	-	-	-	68.2	-15.67	110	134	H
6	15.286	32.32	PK-U	39.8	-19.4	0	52.72	-	-	-	-	68.2	-15.48	3	268	V

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

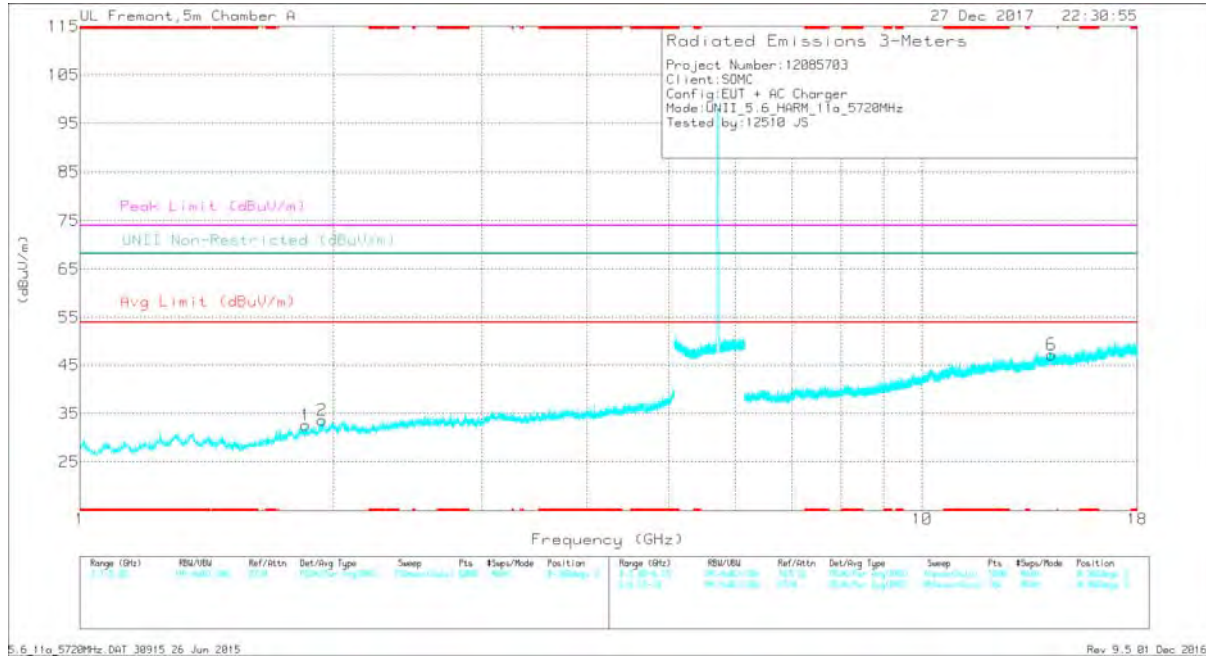
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 144 HORIZONTAL



CHANNEL 144 VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.852	38.85	PK-U	30.9	-31.3	0	38.45	-	-	-	-	68.2	-29.75	212	136	V
2	1.938	39.2	PK-U	31.3	-31	0	39.5	-	-	-	-	68.2	-28.7	118	243	V
3	2.042	38.18	PK-U	31.4	-30	0	39.58	-	-	-	-	68.2	-28.62	115	164	H
4	6.453	33.98	PK-U	35.8	-23.5	0	46.28	-	-	-	-	68.2	-21.92	46	204	H
5	8.579	33.59	PK-U	35.8	-22.3	0	47.09	-	-	-	-	68.2	-21.11	222	166	H
6	14.235	33.22	PK-U	39.6	-18.9	0	53.92	-	-	-	-	68.2	-14.28	263	244	V

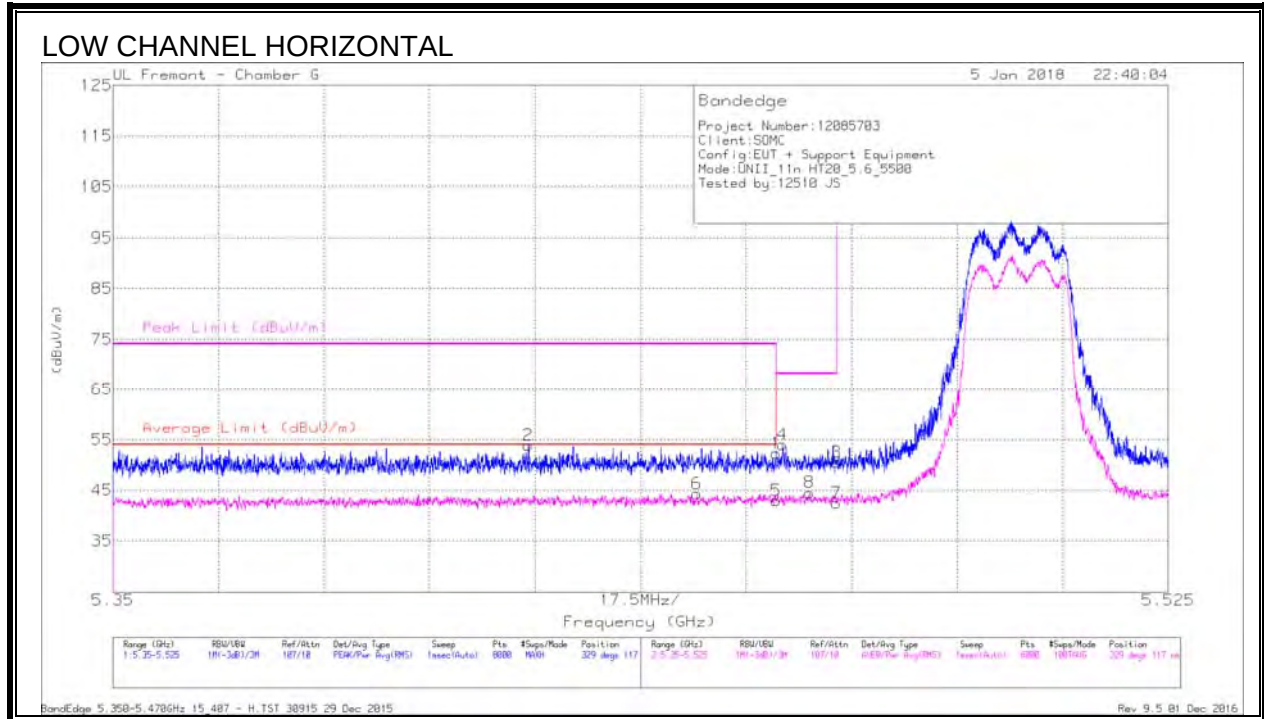
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.10. 11n HT20 2TX CDD MIMO MODE IN THE 5.6GHZ BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



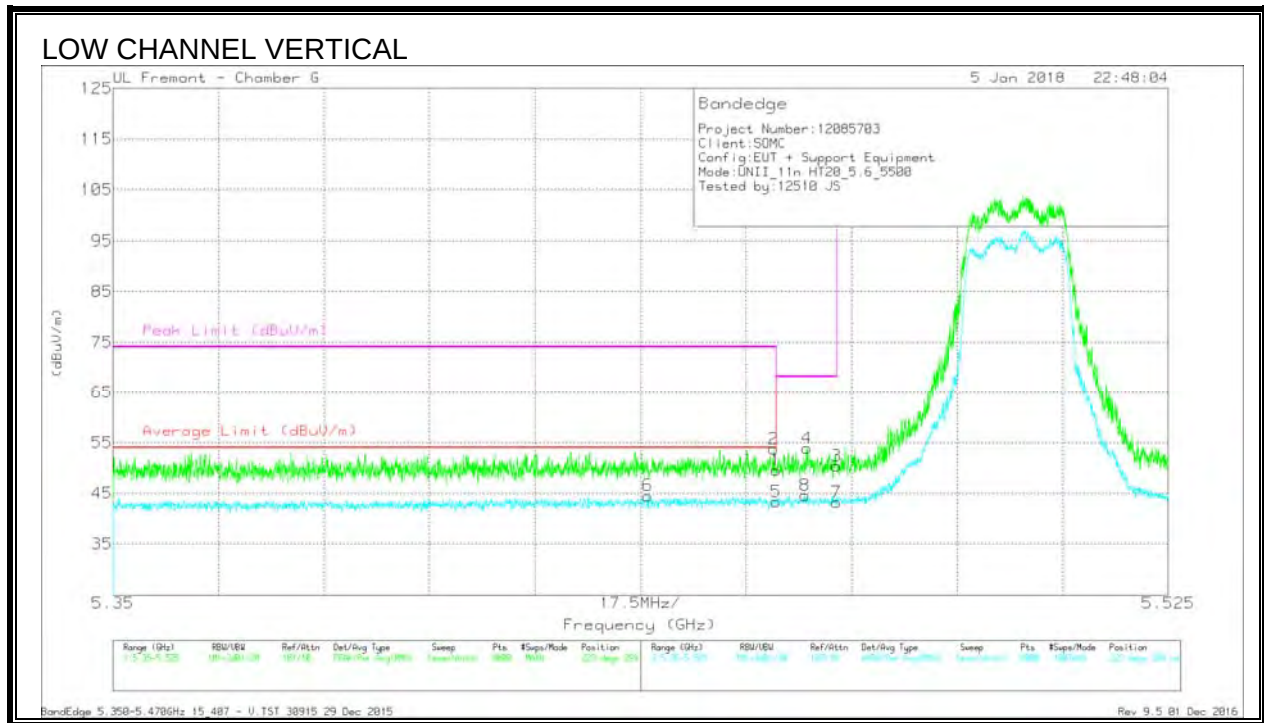
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/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	* 5.46	40.23	Pk	34.6	-22.6	0	52.23	-	-	74	-21.77	329	117	H
2	* 5.419	41.8	Pk	34.6	-22.5	0	53.9	-	-	74	-20.1	329	117	H
5	* 5.46	30.79	RMS	34.6	-22.6	.13	42.92	54	-11.08	-	-	329	117	H
6	* 5.447	32.16	RMS	34.6	-22.6	.13	44.29	54	-9.71	-	-	329	117	H
4	5.461	42.02	Pk	34.6	-22.6	0	54.02	-	-	68.2	-14.18	329	117	H
8	5.466	32.39	RMS	34.6	-22.6	.13	44.52	-	-	-	-	329	117	H
3	5.47	38.49	Pk	34.6	-22.6	0	50.49	-	-	68.2	-17.71	329	117	H
7	5.47	30.34	RMS	34.6	-22.6	.13	42.47	-	-	-	-	329	117	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

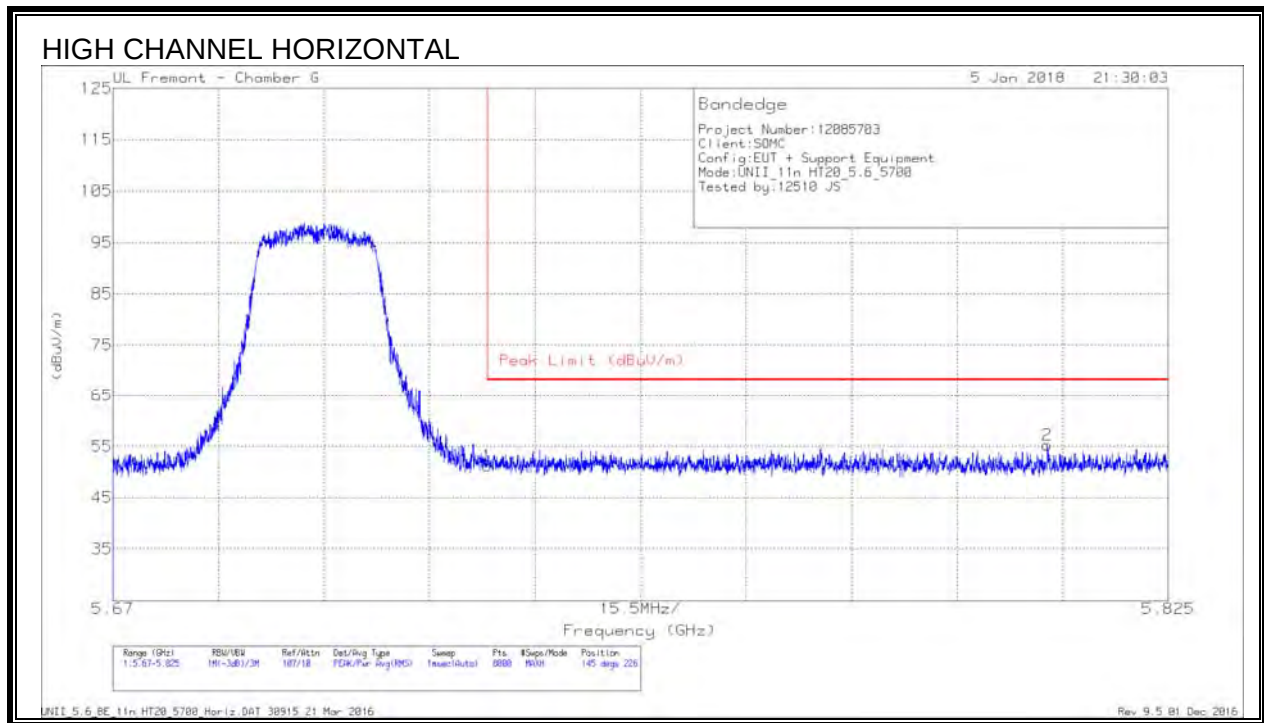
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.49	Pk	34.6	-22.6	0	49.49	-	-	74	-24.51	223	299	V
2	* 5.46	41.74	Pk	34.6	-22.6	0	53.74	-	-	74	-20.26	223	299	V
5	* 5.46	31.23	RMS	34.6	-22.6	.13	43.36	54	-10.64	-	-	223	299	V
6	* 5.439	32.29	RMS	34.6	-22.5	.13	44.52	54	-9.48	-	-	223	299	V
4	5.465	41.85	Pk	34.6	-22.6	0	53.85	-	-	68.2	-14.35	223	299	V
8	5.465	32.43	RMS	34.6	-22.6	.13	44.56	-	-	-	-	223	299	V
3	5.47	38.45	Pk	34.6	-22.6	0	50.45	-	-	68.2	-17.75	223	299	V
7	5.47	31.14	RMS	34.6	-22.6	.13	43.27	-	-	-	-	223	299	V

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

Pk - Peak detector

RMS - RMS detection

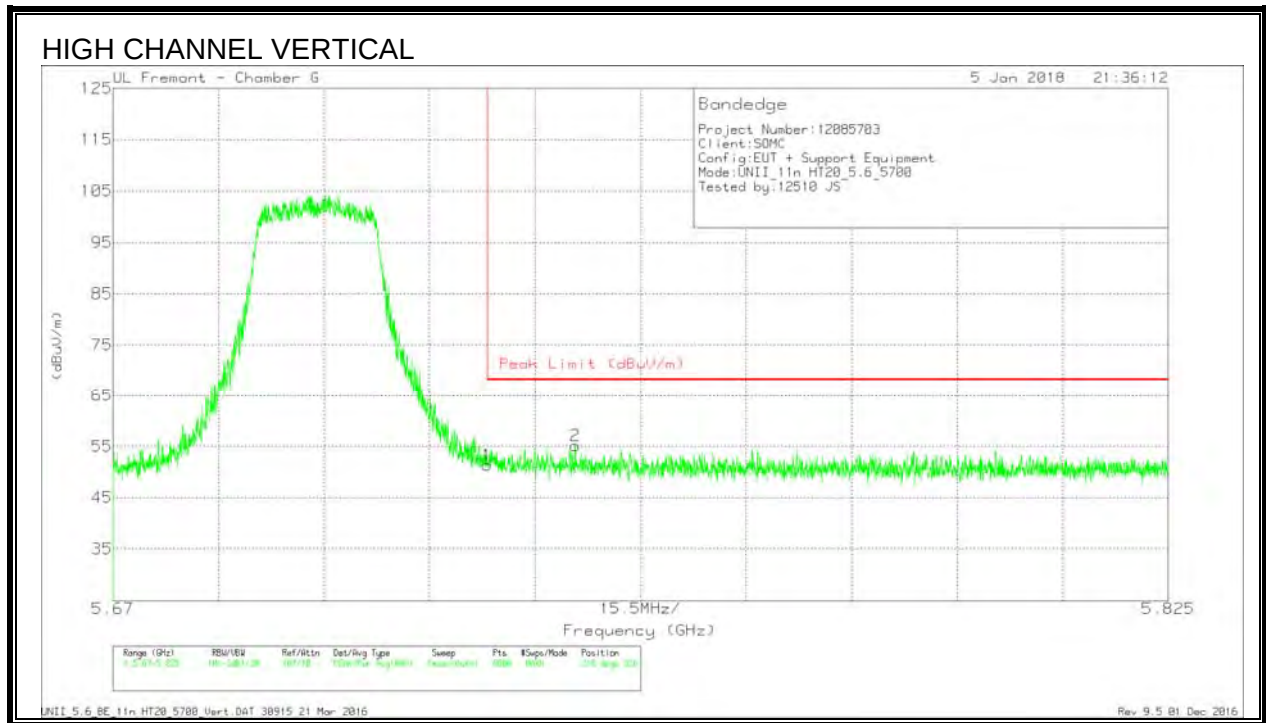
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.37	Pk	35.2	-22.3	51.27	68.2	-16.93	145	226	H
2	5.807	42.43	Pk	35.3	-22.4	55.33	68.2	-12.87	145	226	H

Pk - Peak detector

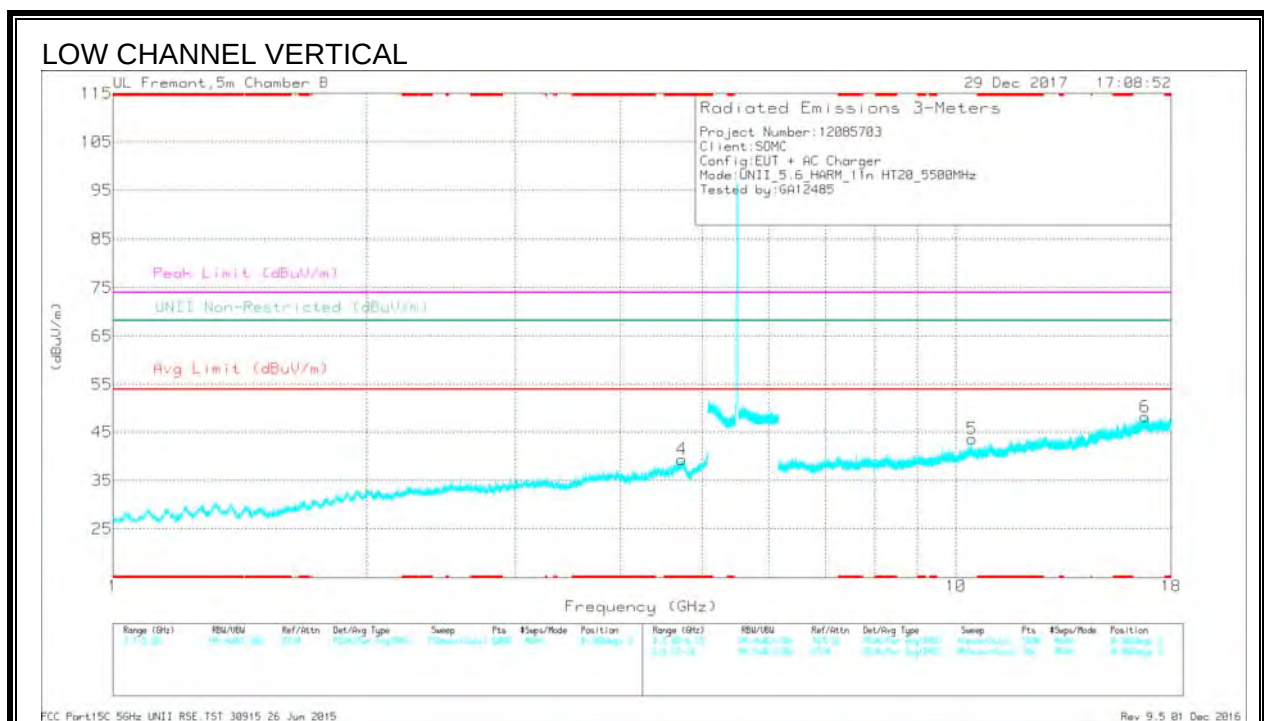
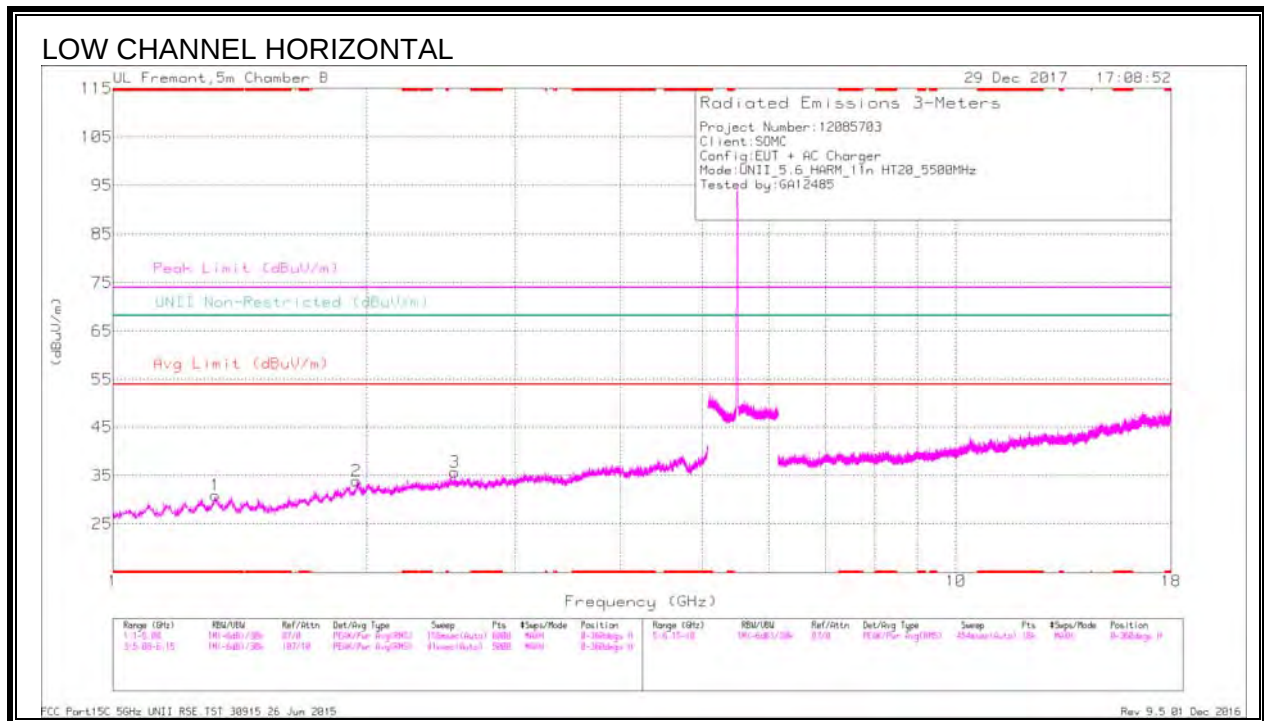


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.44	Pk	35.2	-22.3	0	51.34	68.2	-16.86	218	326	V
2	5.738	42.38	Pk	35.2	-22.4	0	55.18	68.2	-13.02	218	326	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

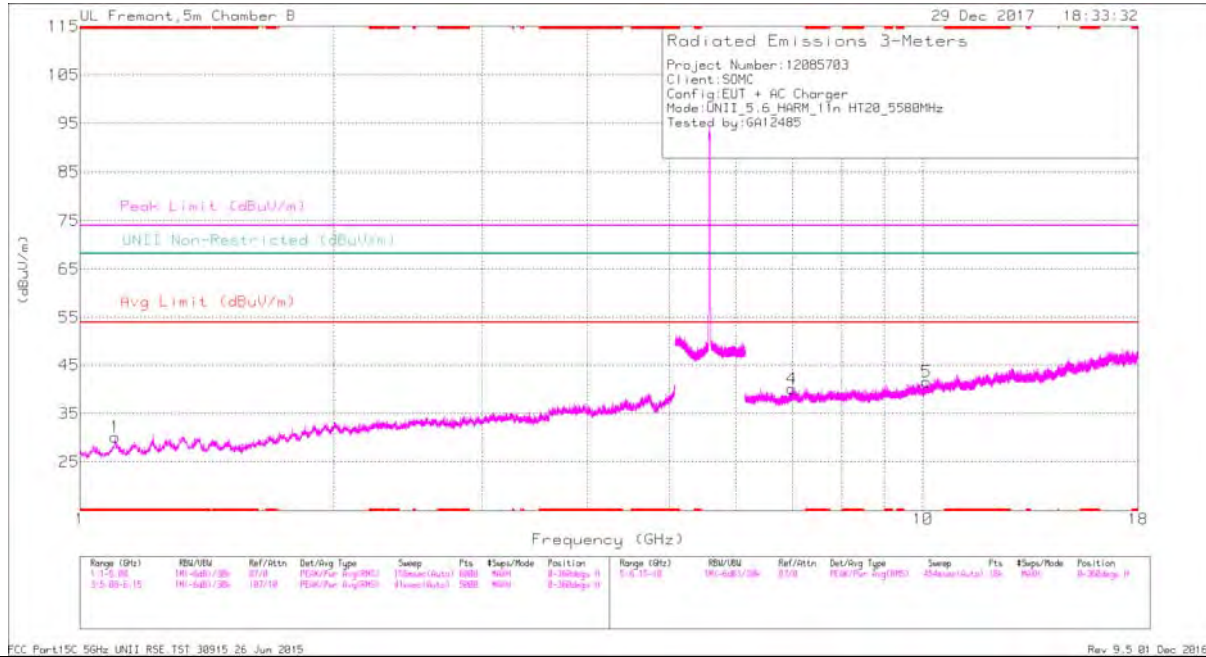
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.324	41.72	PK-U	28.9	-34.1	0	36.52	-	-	74	-37.48	-	-	216	377	H
	* 1.322	30.01	ADR	28.9	-34.1	.13	24.94	54	-29.06	-	-	-	-	216	377	H
4	* 4.733	40.84	PK-U	34.2	-30.1	0	44.94	-	-	74	-29.06	-	-	115	151	V
	* 4.734	29.07	ADR	34.2	-30	.13	33.4	54	-20.6	-	-	-	-	115	151	V
2	1.946	40.73	PK-U	31.1	-32.7	0	39.13	-	-	-	-	68.2	-29.07	334	211	H
3	2.541	40.44	PK-U	32.5	-32.3	0	40.64	-	-	-	-	68.2	-27.56	214	219	H
5	10.458	35.61	PK-U	37.5	-24.3	0	48.81	-	-	-	-	68.2	-19.39	35	162	V
6	16.761	32.36	PK-U	42.4	-22	0	52.76	-	-	-	-	68.2	-15.44	54	210	V

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

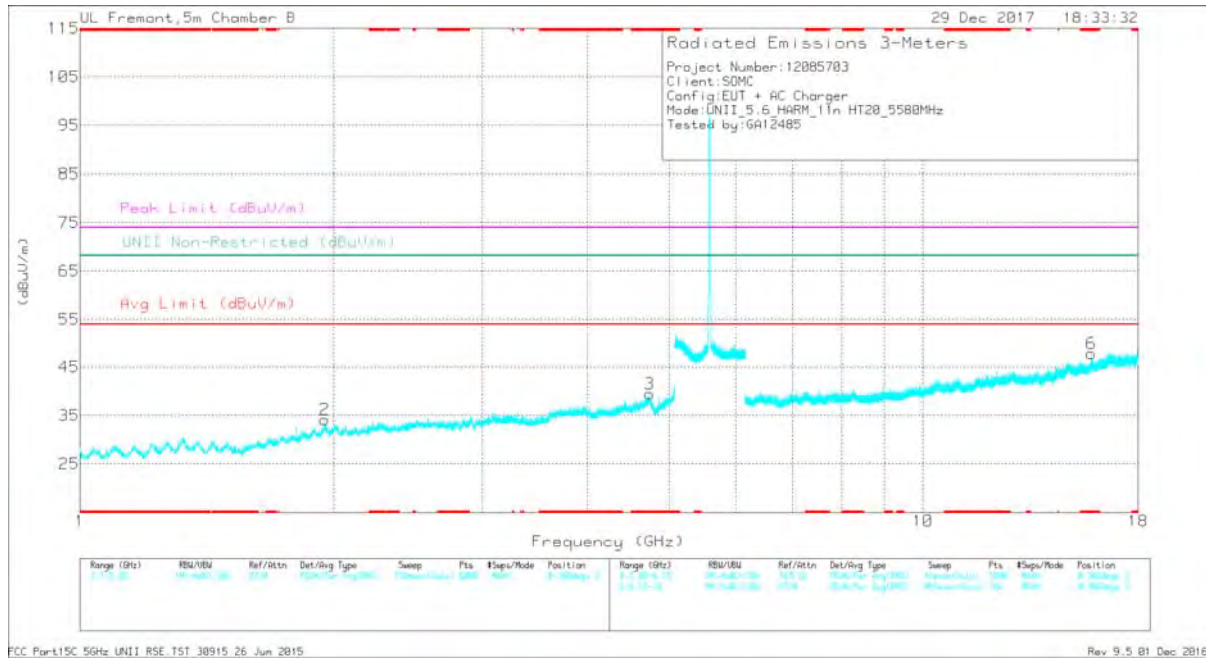
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Radiated Emissions

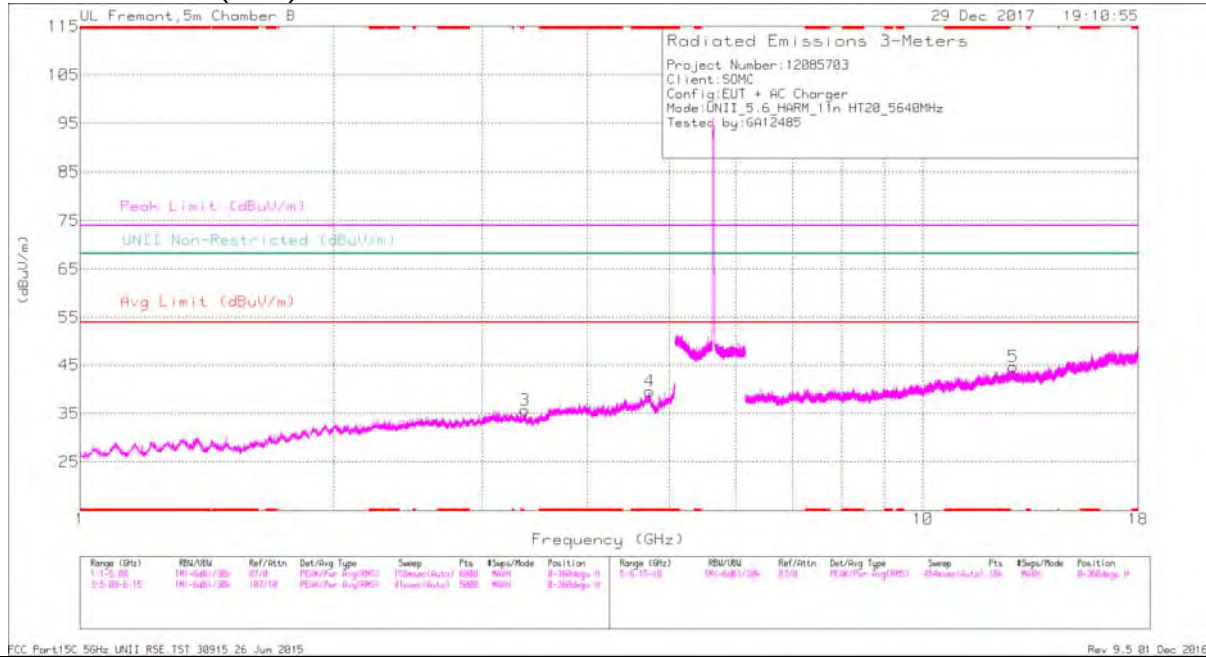
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.102	42.66	PK-U	27.7	-34.2	0	36.16	-	-	74	-37.84	-	-	344	365	H
	* 1.1	30.43	ADR	27.7	-34.2	.13	24.06	54	-29.94	-	-	-	-	344	365	H
3	* 4.736	40.88	PK-U	34.2	-30	0	45.08	-	-	74	-28.92	-	-	296	108	V
	* 4.734	29.34	ADR	34.2	-30	.13	33.67	54	-20.33	-	-	-	-	296	108	V
6	* 15.842	32.32	PK-U	41	-21.2	0	52.12	-	-	74	-21.88	-	-	336	257	V
	* 15.84	21.47	ADR	41	-21.2	.13	41.4	54	-12.6	-	-	-	-	336	257	V
2	1.954	41.12	PK-U	31.1	-32.5	0	39.72	-	-	-	-	68.2	-28.48	165	292	V
4	6.991	38.25	PK-U	35.8	-28.5	0	45.55	-	-	-	-	68.2	-22.65	248	316	H
5	10.107	34.88	PK-U	37.4	-25	0	47.28	-	-	-	-	68.2	-20.92	144	187	H

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

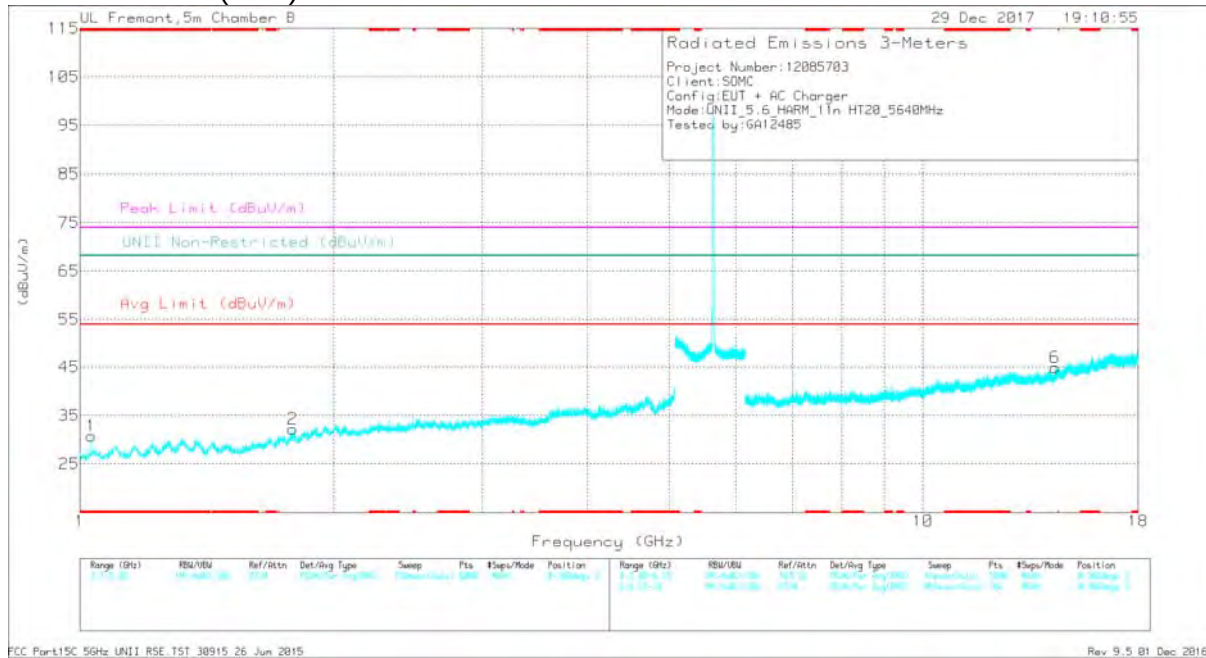
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL (FCC) HORIZONTAL



MID CHANNEL (FCC) VERTICAL



Radiated Emissions

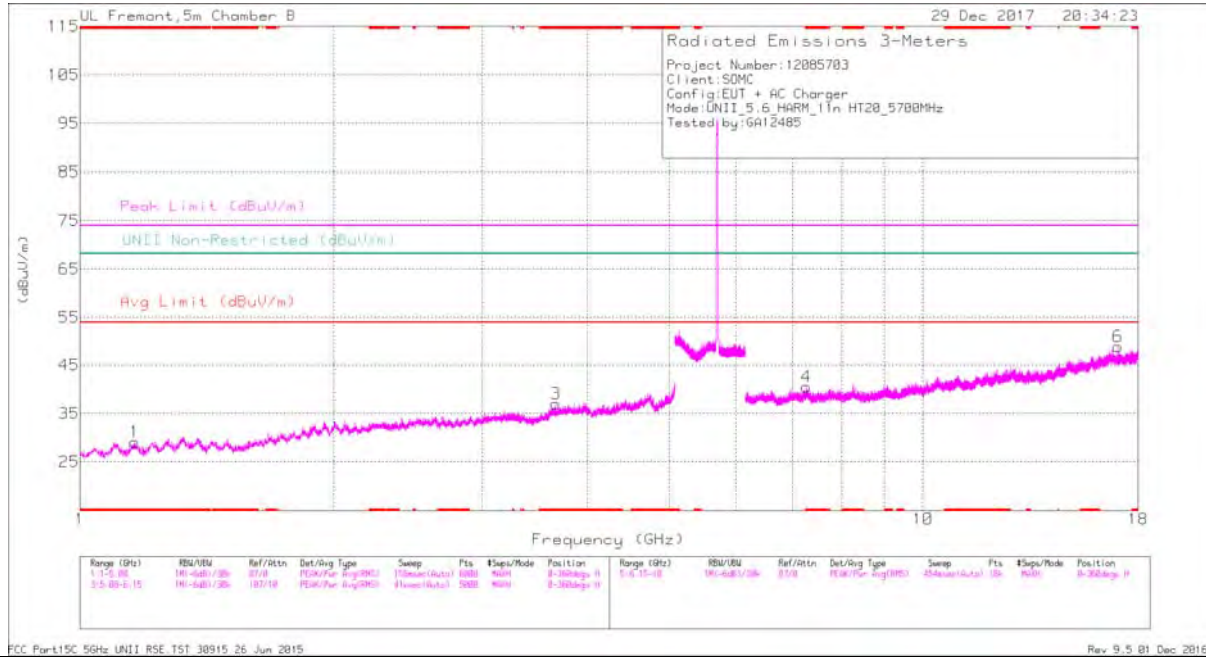
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.739	41.45	PK-U	34.2	-30	0	45.65	-	-	74	-28.35	-	-	353	130	H
	* 4.737	29.26	ADR	34.2	-30	.13	33.59	54	-20.41	-	-	-	-	353	130	H
1	* 1.031	41.9	PK-U	27.2	-34.9	0	34.2	-	-	74	-39.8	-	-	264	145	V
	* 1.033	30.26	ADR	27.2	-34.8	.13	22.79	54	-31.21	-	-	-	-	264	145	V
2	1.786	41.76	PK-U	30.1	-33.8	0	38.06	-	-	-	-	68.2	-30.14	160	348	V
3	3.375	39.99	PK-U	32.7	-31.6	0	41.09	-	-	-	-	68.2	-27.11	158	302	H
5	12.809	34.01	PK-U	39.4	-23.6	0	49.81	-	-	-	-	68.2	-18.39	119	266	H
6	14.343	34.06	PK-U	39.6	-23.9	0	49.76	-	-	-	-	68.2	-18.44	356	303	V

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

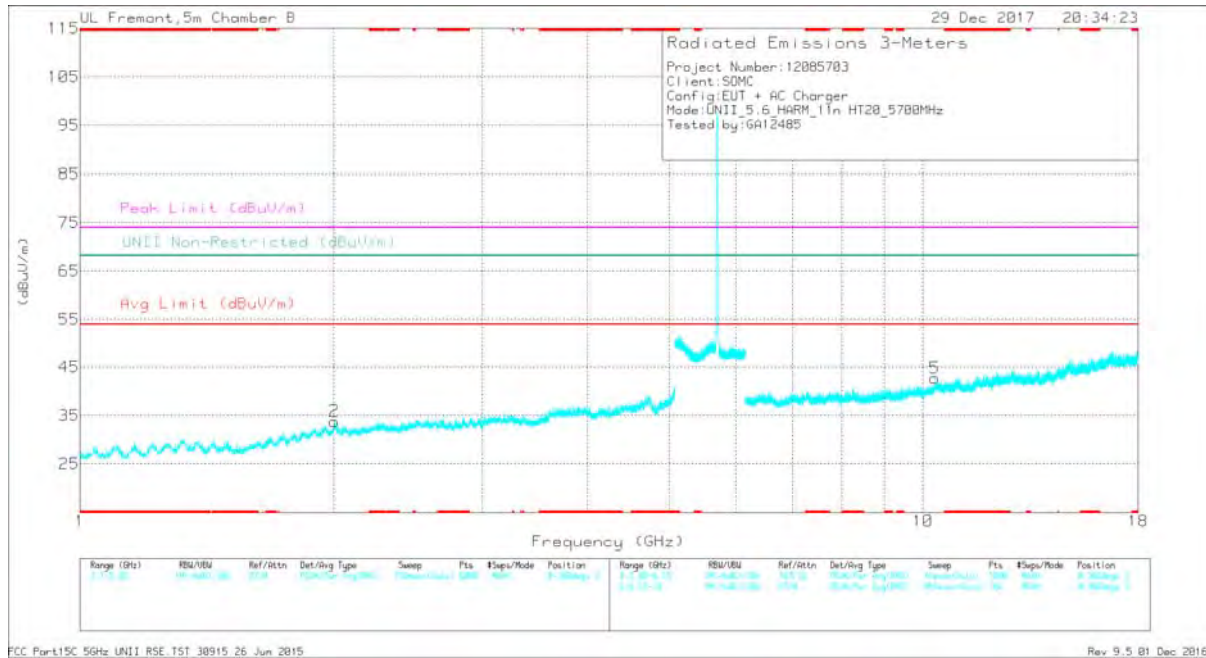
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

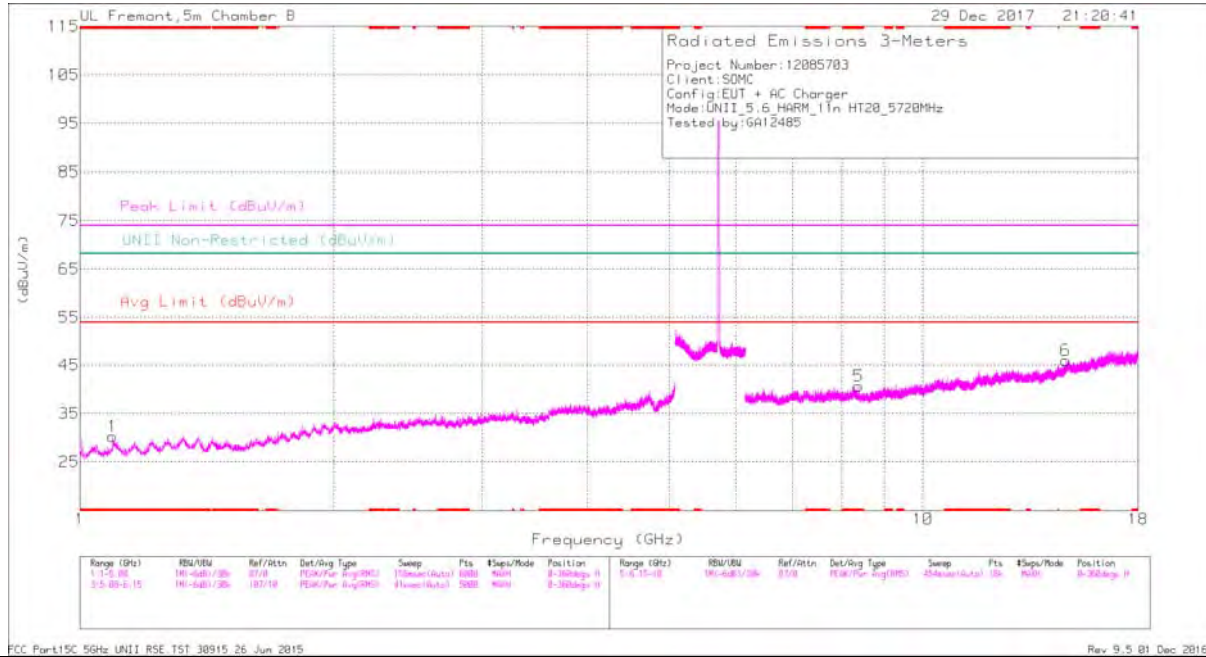
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.161	42.79	PK-U	27.6	-34.3	0	36.09	-	-	74	-37.91	-	-	191	400	H
	* 1.161	30.48	ADR	27.6	-34.3	.13	23.91	54	-30.09	-	-	-	-	191	400	H
3	* 3.665	40.53	PK-U	33.2	-31.7	0	42.03	-	-	74	-31.97	-	-	134	250	H
	* 3.667	28.89	ADR	33.2	-31.7	.13	30.52	54	-23.48	-	-	-	-	134	250	H
4	* 7.273	37.63	PK-U	35.8	-27.2	0	46.23	-	-	74	-27.77	-	-	340	272	H
	* 7.27	25.62	ADR	35.8	-27.2	.13	34.35	54	-19.65	-	-	-	-	340	272	H
2	2.003	40.79	PK-U	31.3	-32.4	0	39.69	-	-	-	-	68.2	-28.51	237	342	V
5	10.326	34.91	PK-U	37.5	-25	0	47.41	-	-	-	-	68.2	-20.79	39	314	V
6	17.028	34.1	PK-U	42	-22.4	0	53.7	-	-	-	-	68.2	-14.5	351	192	H

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

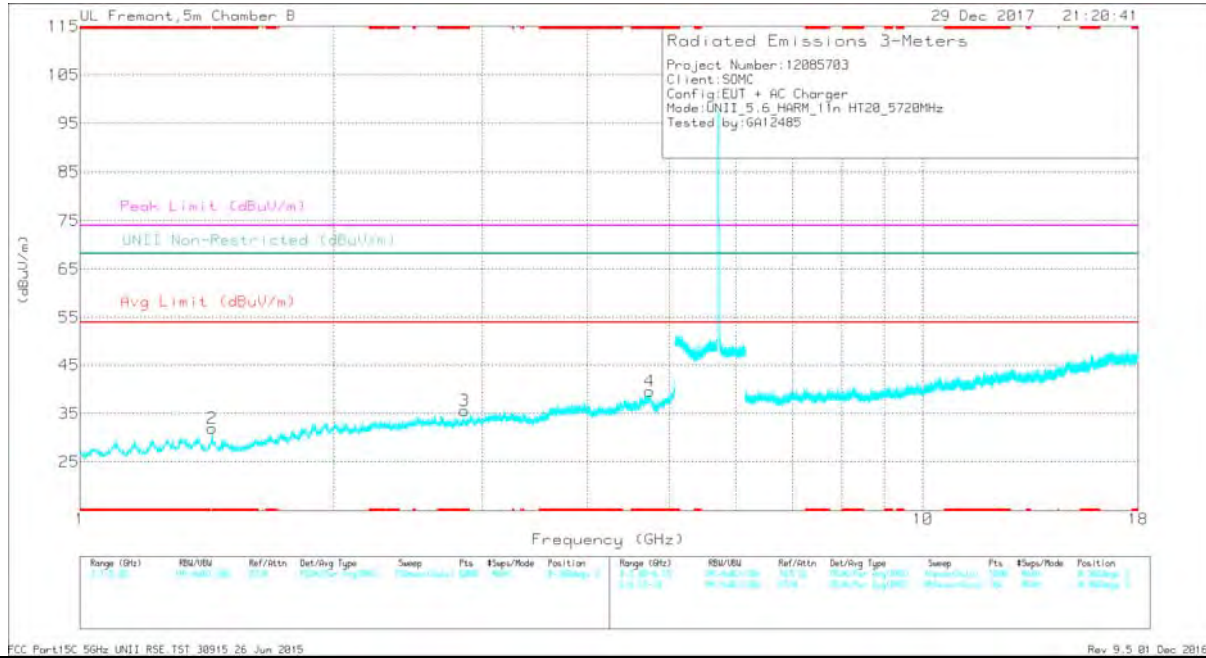
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 144 HORIZONTAL



CHANNEL 144 VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.094	42.34	PK-U	27.6	-34.4	0	35.54	-	-	74	-38.46	-	-	218	386	H
	* 1.095	30.26	ADR	27.6	-34.4	.13	23.59	54	-30.41	-	-	-	-	218	386	H
2	* 1.58	41.83	PK-U	28.1	-34.1	0	35.83	-	-	74	-38.17	-	-	89	130	V
	* 1.38	29.92	ADR	28.5	-33.7	.13	24.85	54	-29.15	-	-	-	-	89	130	V
3	* 2.857	40.35	PK-U	32.4	-32.1	0	40.65	-	-	74	-33.35	-	-	104	207	V
	* 2.858	28.56	ADR	32.4	-32.1	.13	28.99	54	-25.01	-	-	-	-	104	207	V
4	* 4.737	41.78	PK-U	34.2	-30	0	45.98	-	-	74	-28.02	-	-	25	140	V
	* 4.737	29.23	ADR	34.2	-30	.13	33.56	54	-20.44	-	-	-	-	25	140	V
5	* 8.38	37.67	PK-U	36	-27.7	0	45.97	-	-	74	-28.03	-	-	279	353	H
	* 8.38	25.87	ADR	36	-27.7	.13	34.3	54	-19.7	-	-	-	-	279	353	H
6	14.762	34.8	PK-U	40.5	-23.6	0	51.7	-	-	-	-	68.2	-16.5	211	214	H

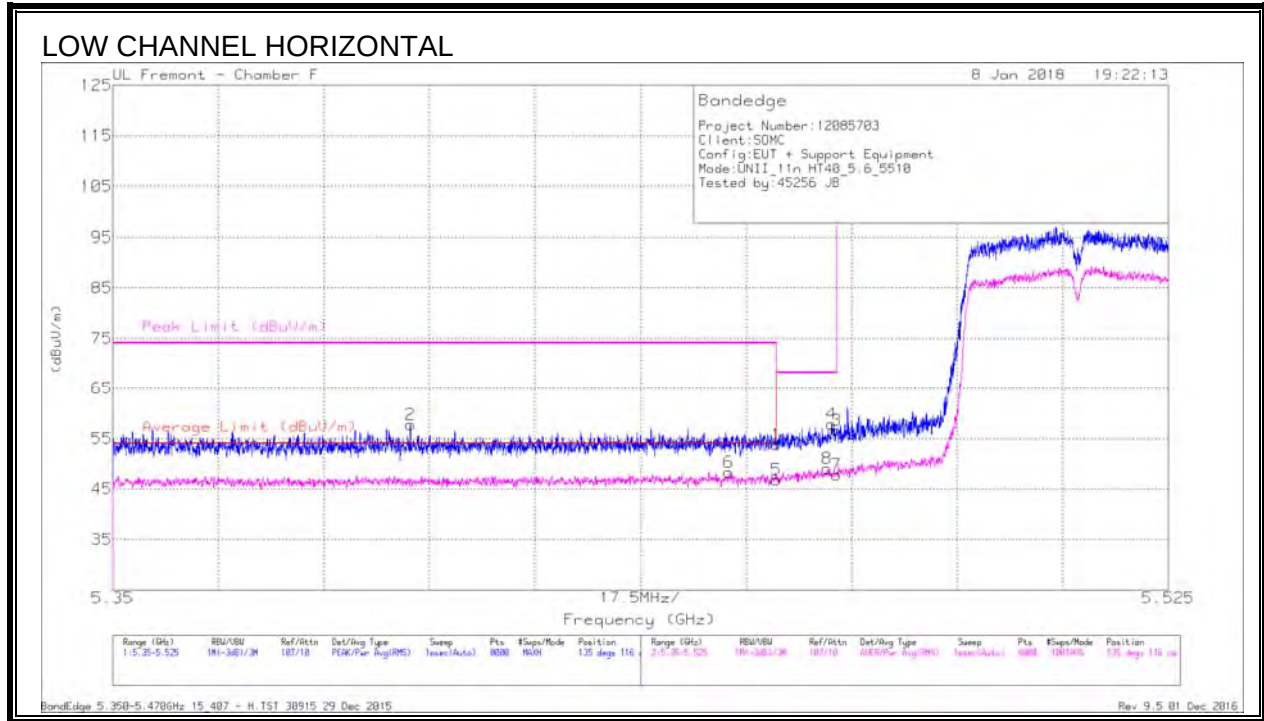
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.11. 11n HT40 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



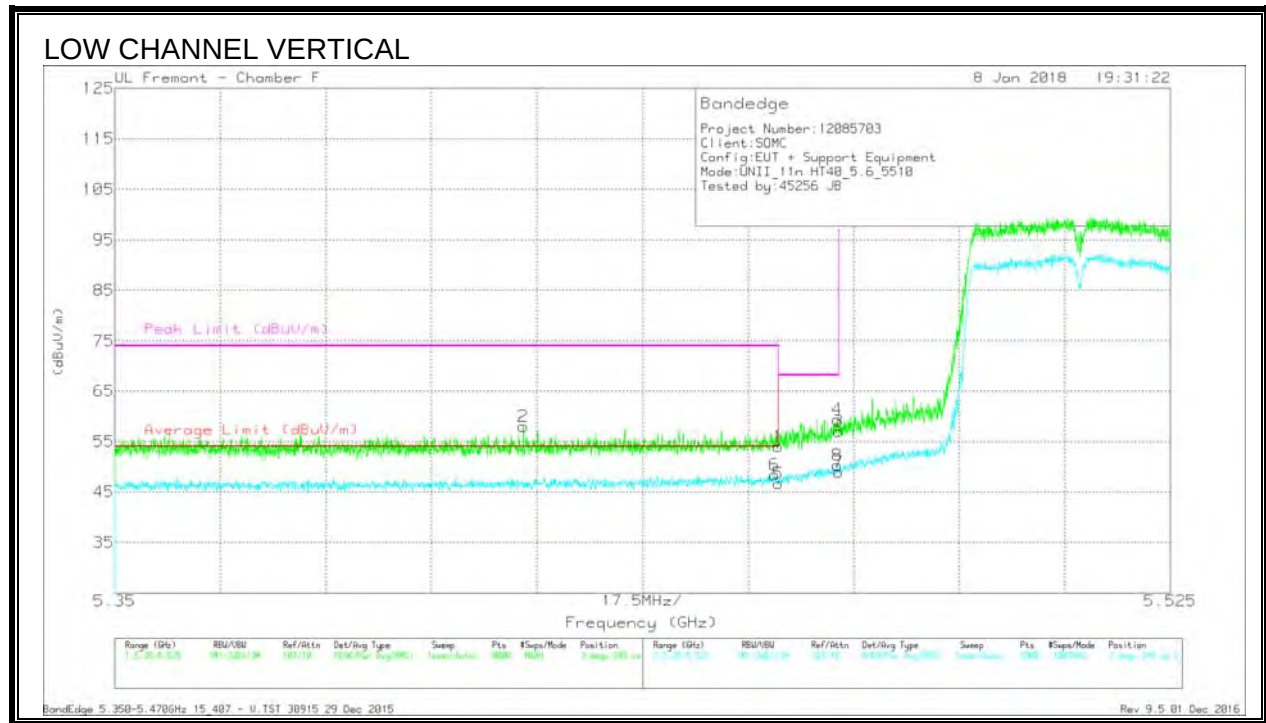
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/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	* 5.46	37.32	Pk	34.8	-18.3	0	53.82	-	-	74	-20.18	135	116	H
2	* 5.399	41.29	Pk	34.7	-18.2	0	57.79	-	-	74	-16.21	135	116	H
3	5.47	40.13	Pk	34.8	-18.3	0	56.63	-	-	68.2	-11.57	135	116	H
4	5.469	41.39	Pk	34.8	-18.3	0	57.89	-	-	68.2	-10.31	135	116	H
5	* 5.46	29.85	RMS	34.8	-18.3	.51	46.86	54	-7.14	-	-	135	116	H
6	* 5.452	31.25	RMS	34.8	-18.2	.51	48.36	54	-5.64	-	-	135	116	H
7	5.47	30.84	RMS	34.8	-18.3	.51	47.85	-	-	-	-	135	116	H
8	5.468	32.04	RMS	34.8	-18.3	.51	49.05	-	-	-	-	135	116	H

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

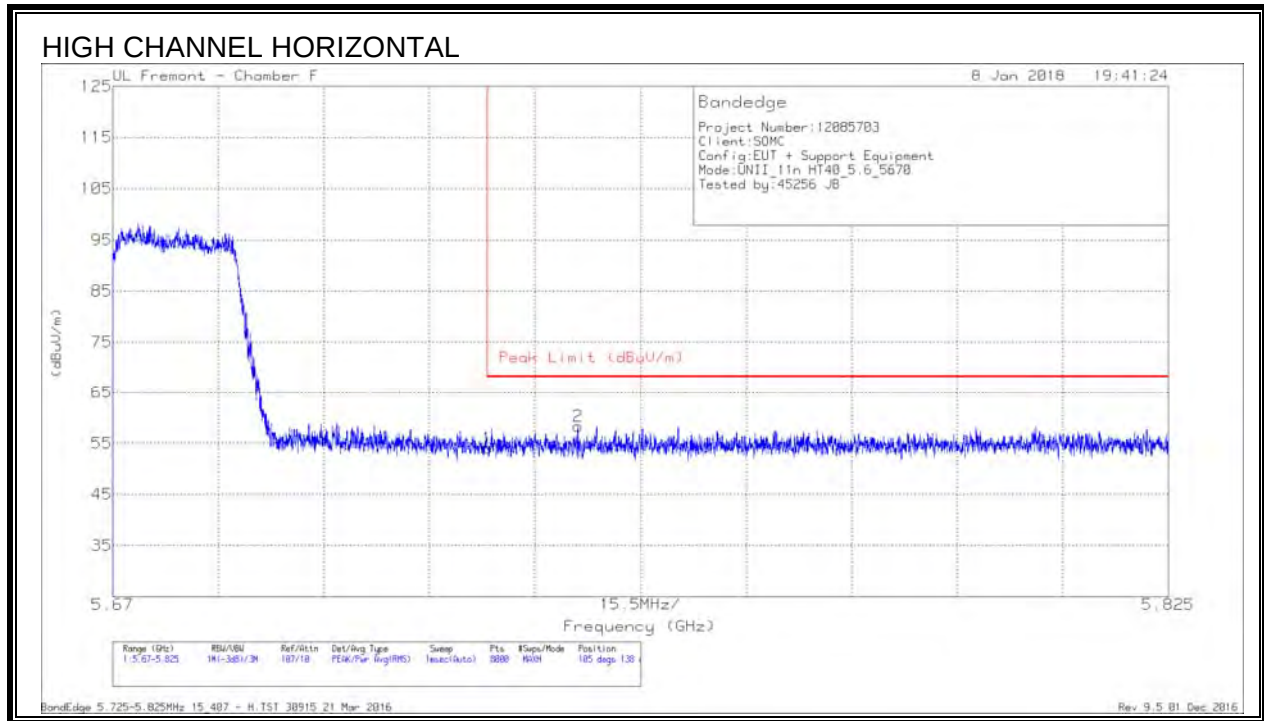
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	37.54	Pk	34.8	-18.3	0	54.04	-	-	74	-19.96	3	249	V
2	* 5.418	41.58	Pk	34.7	-18.3	0	57.98	-	-	74	-16.02	3	249	V
3	5.47	40.45	Pk	34.8	-18.3	0	56.95	-	-	68.2	-11.25	3	249	V
4	5.47	42.91	Pk	34.8	-18.3	0	59.41	-	-	68.2	-8.79	3	249	V
5	* 5.46	29.7	RMS	34.8	-18.3	.51	46.71	54	-7.29	-	-	3	249	V
6	* 5.459	31.4	RMS	34.8	-18.3	.51	48.41	54	-5.59	-	-	3	249	V
7	5.47	31.9	RMS	34.8	-18.3	.51	48.91	-	-	-	-	3	249	V
8	5.47	33.3	RMS	34.8	-18.3	.51	50.31	-	-	-	-	3	249	V

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

Pk - Peak detector

RMS - RMS detection

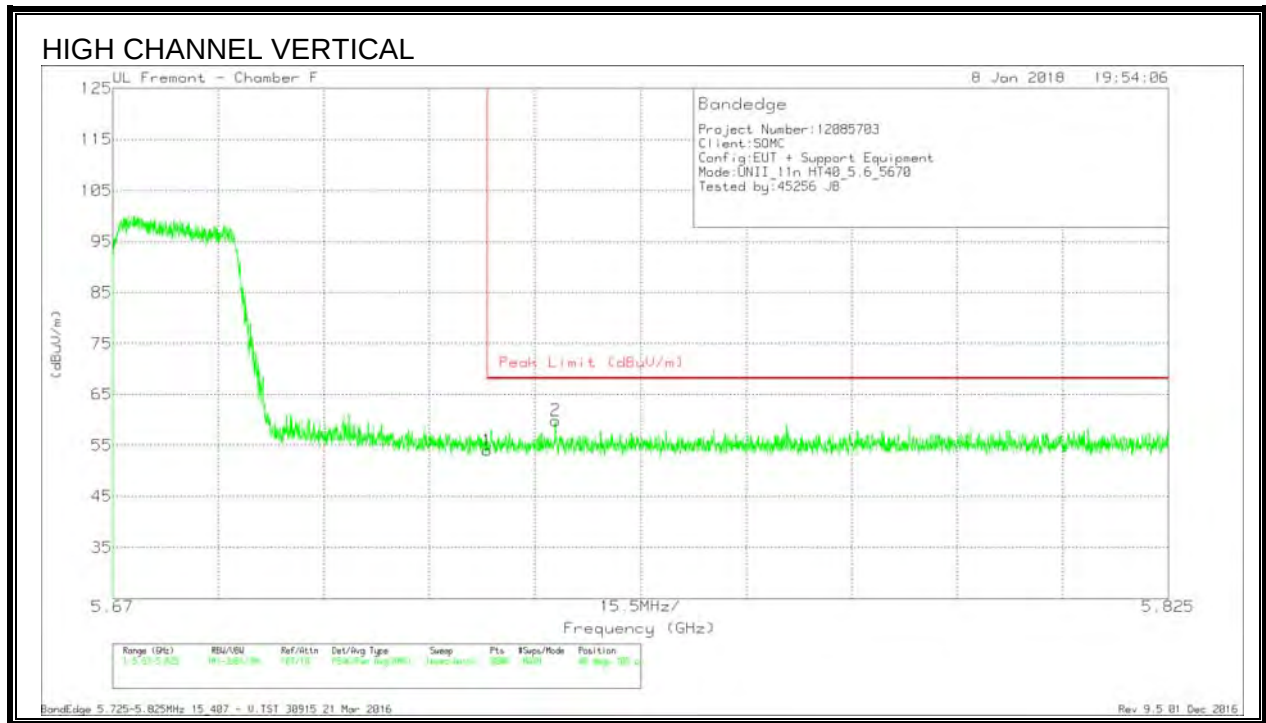
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.61	Pk	35	-17.6	0	54.01	68.2	-14.19	105	138	H
2	5.738	40.96	Pk	35	-17.6	0	58.36	68.2	-9.84	105	138	H

Pk - Peak detector

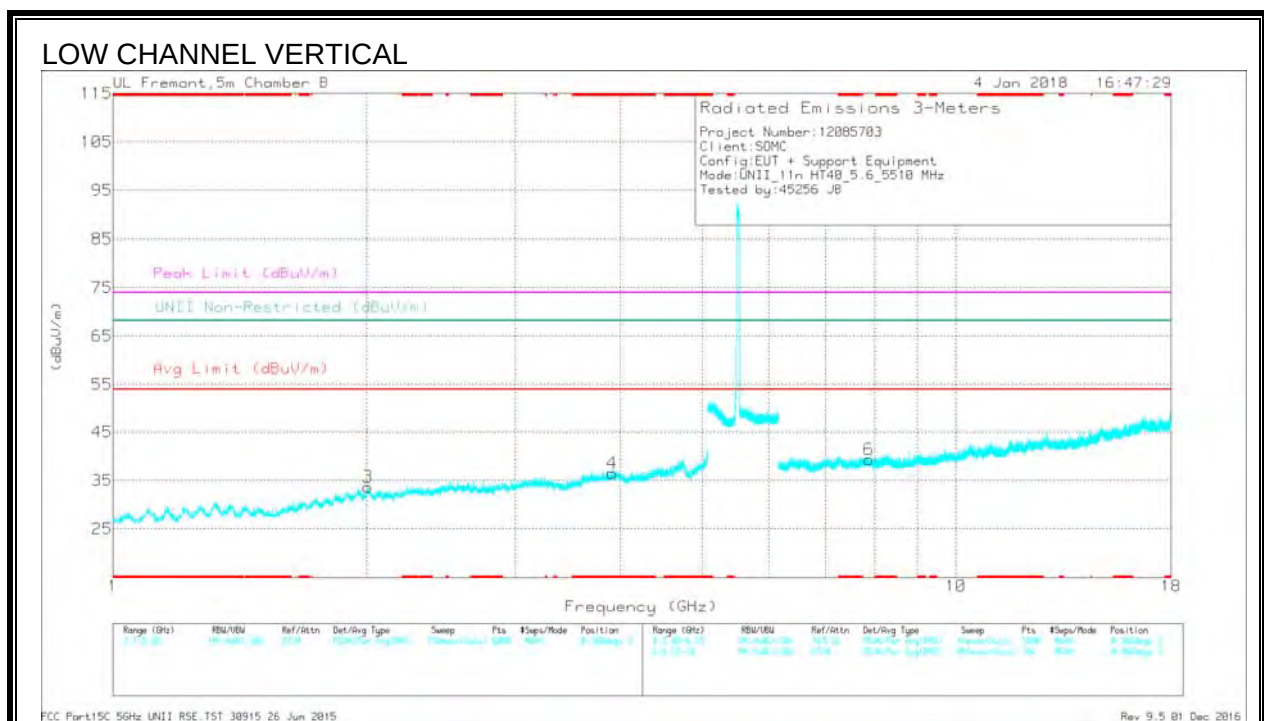
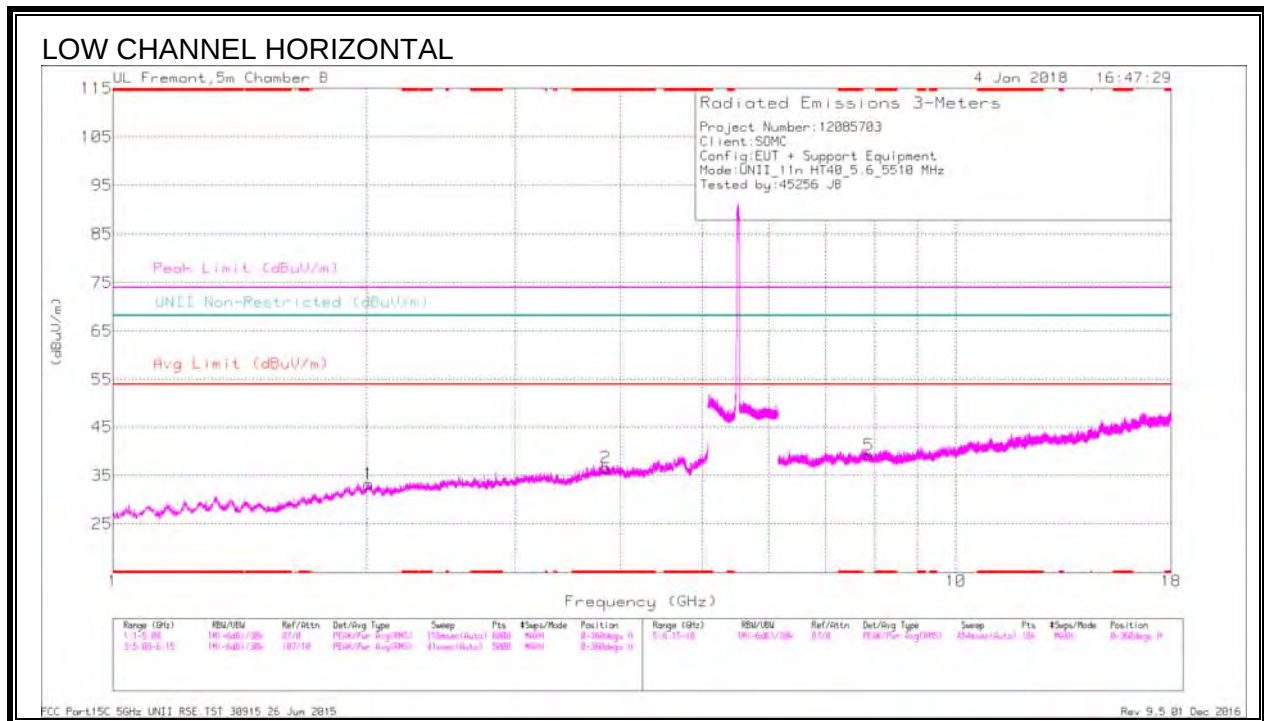


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.61	Pk	35	-17.6	0	54.01	68.2	-14.19	40	108	V
2	5.735	42.48	Pk	35	-17.6	0	59.88	68.2	-8.32	40	108	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

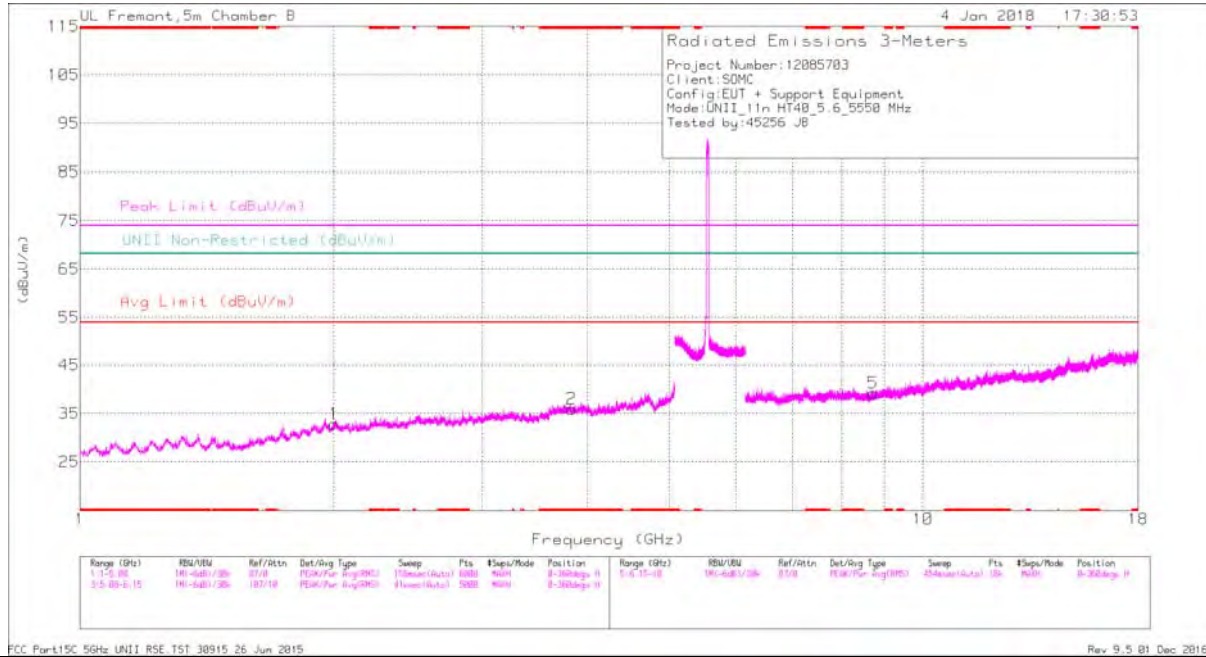
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.845	41.14	PK-U	33.5	-31.7	0	42.94	-	-	74	-31.06	-	-	223	329	H
	* 3.844	29.65	ADR	33.5	-31.7	.51	31.96	54	-22.04	-	-	-	-	223	329	H
4	* 3.914	40.9	PK-U	33.5	-31	0	43.4	-	-	74	-30.6	-	-	356	379	V
	* 3.912	29.36	ADR	33.5	-31	.51	32.37	54	-21.63	-	-	-	-	356	379	V
3	2.006	41.41	PK-U	31.3	-32.4	0	40.31	-	-	-	-	68.2	-27.89	6	370	V
1	2.009	41.48	PK-U	31.3	-32.5	0	40.28	-	-	-	-	68.2	-27.92	35	335	H
6	7.882	36.99	PK-U	36	-28	0	44.99	-	-	-	-	68.2	-23.21	316	150	V
5	7.886	38.03	PK-U	36	-28	0	46.03	-	-	-	-	68.2	-22.17	35	284	H

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

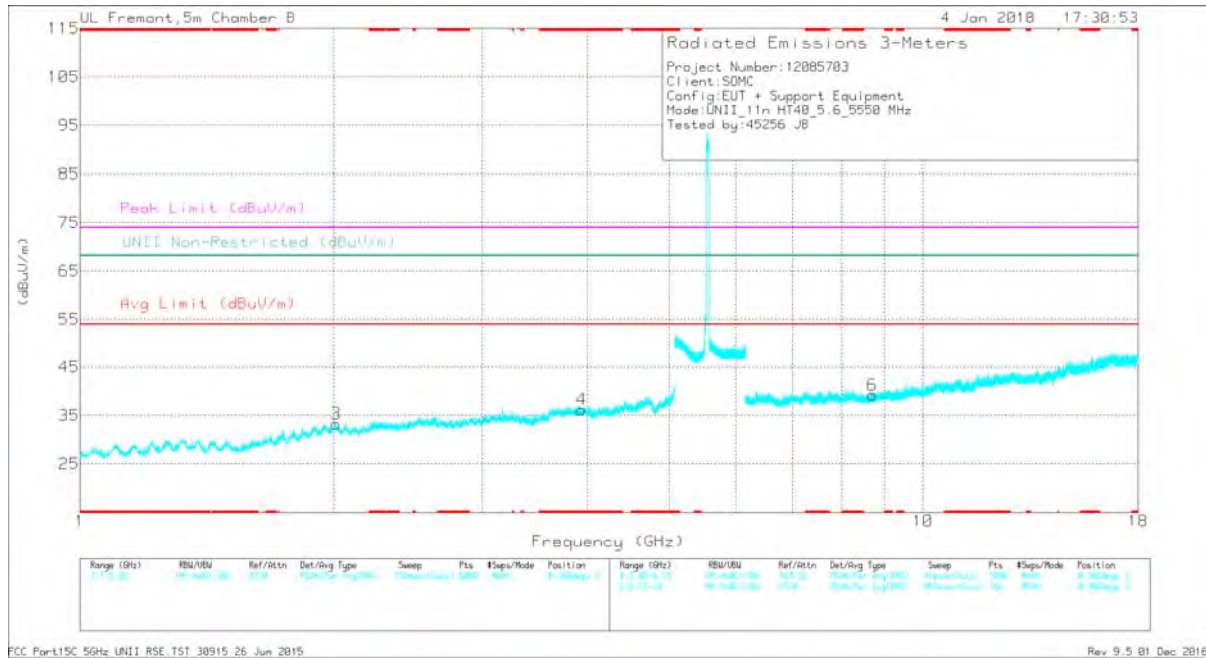
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Radiated Emissions

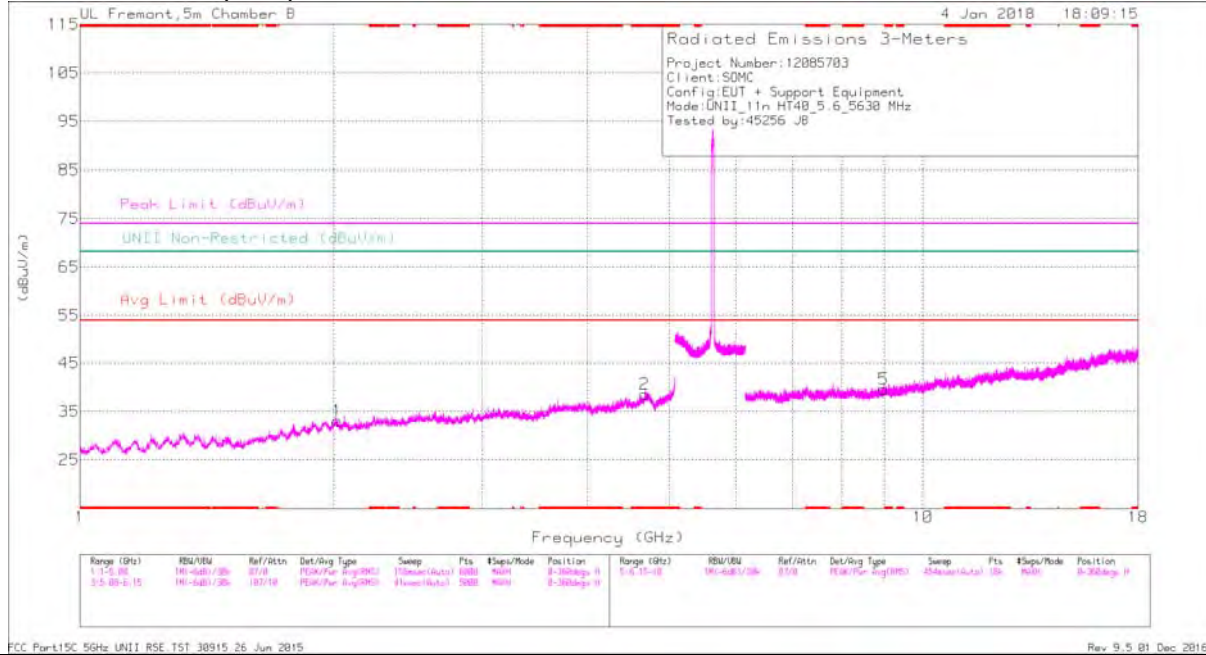
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.827	40.91	PK-U	33.5	-31.7	0	42.71	-	-	74	-31.29	-	-	71	350	H
	* 3.827	29.32	ADR	33.5	-31.7	.51	31.63	54	-22.37	-	-	-	-	71	350	H
4	* 3.934	41.72	PK-U	33.5	-30.9	0	44.32	-	-	74	-29.68	-	-	267	322	V
	* 3.936	28.62	ADR	33.5	-30.8	.51	31.83	54	-22.17	-	-	-	-	267	322	V
1	2.001	41.11	PK-U	31.3	-32.5	0	39.91	-	-	-	-	68.2	-28.29	235	318	H
3	2.011	41.38	PK-U	31.3	-32.6	0	40.08	-	-	-	-	68.2	-28.12	43	267	V
6	8.707	36.08	PK-U	36.1	-26.7	0	45.48	-	-	-	-	68.2	-22.72	42	198	V
5	8.724	36.52	PK-U	36.1	-27	0	45.62	-	-	-	-	68.2	-22.58	338	385	H

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

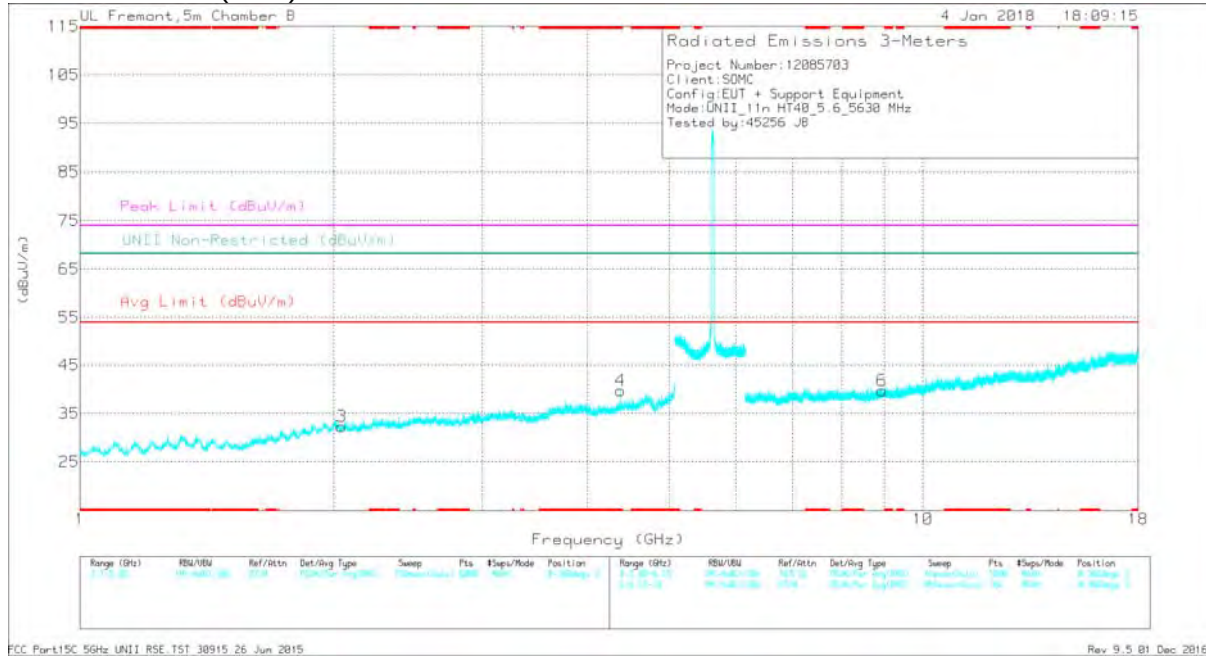
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL (FCC) HORIZONTAL



MID CHANNEL (FCC) VERTICAL



Radiated Emissions

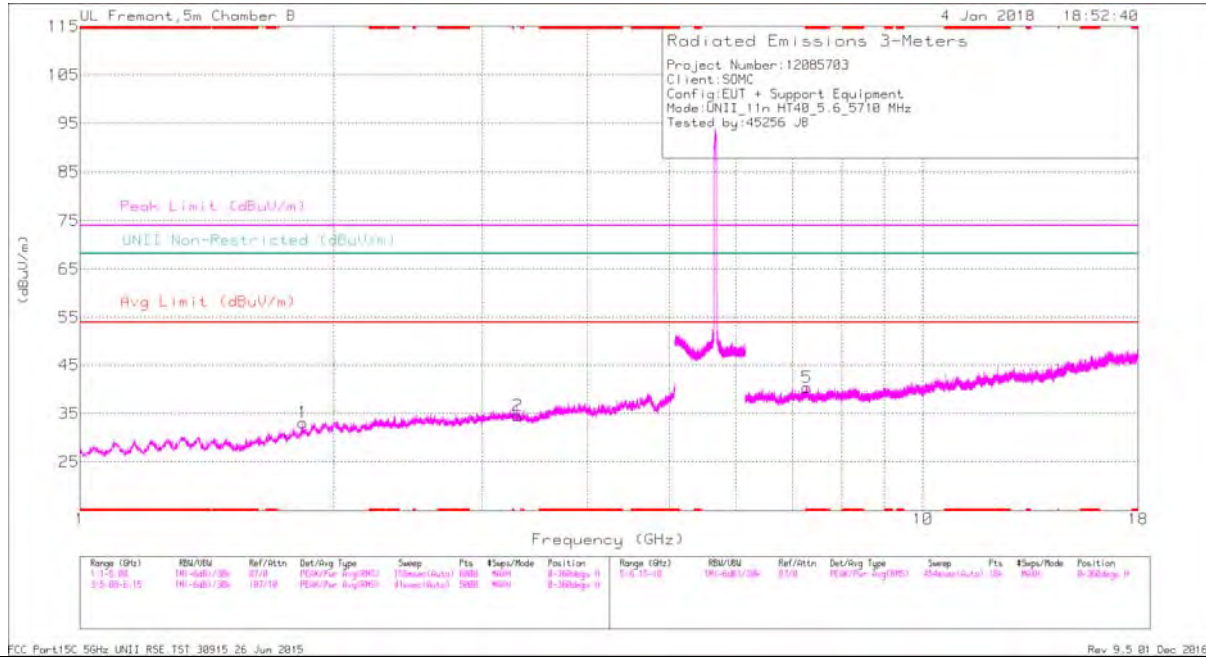
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.673	40.47	PK-U	34.3	-29.8	0	44.97	-	-	74	-29.03	-	-	214	156	H
	* 4.674	28.65	ADR	34.3	-29.9	.51	33.56	54	-20.44	-	-	-	-	214	156	H
4	* 4.38	41.02	PK-U	33.7	-30.4	0	44.32	-	-	74	-29.68	-	-	250	215	V
	* 4.379	29.25	ADR	33.7	-30.4	.51	33.06	54	-20.94	-	-	-	-	250	215	V
1	2.02	40.78	PK-U	31.3	-32.6	0	39.48	-	-	-	-	68.2	-28.72	231	120	H
3	2.041	40.75	PK-U	31.4	-33	0	39.15	-	-	-	-	68.2	-29.05	76	191	V
6	8.941	36.23	PK-U	36.2	-26.7	0	45.73	-	-	-	-	68.2	-22.47	254	252	V
5	8.984	36.82	PK-U	36.2	-26.3	0	46.72	-	-	-	-	68.2	-21.48	272	110	H

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

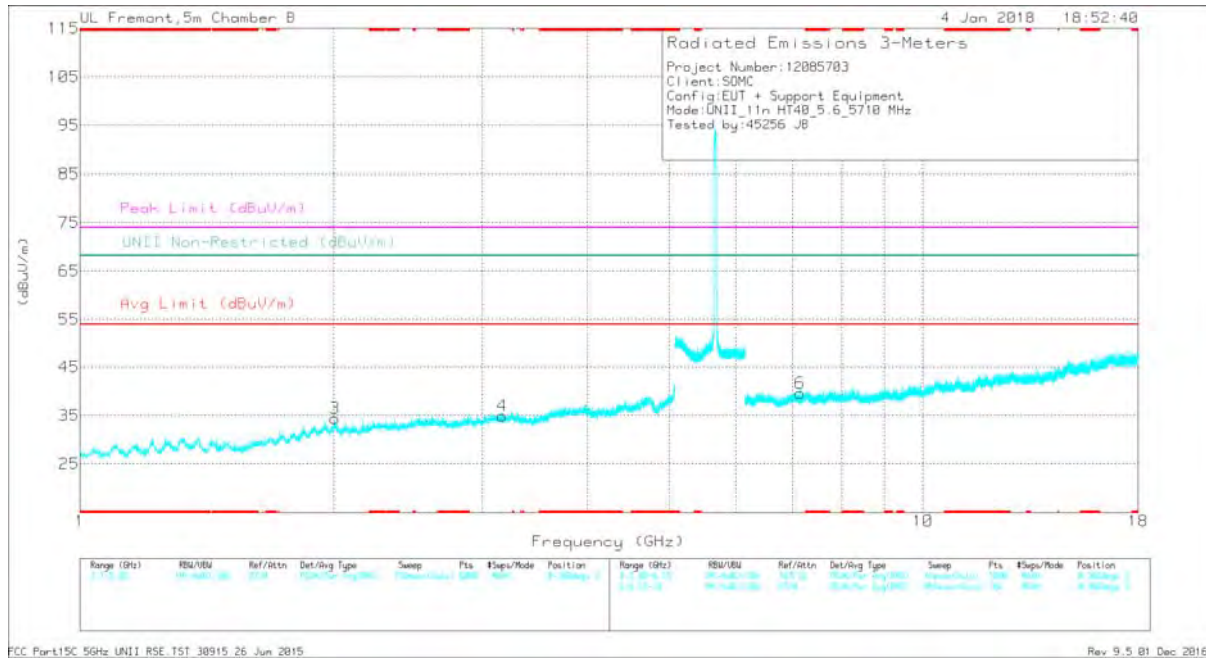
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

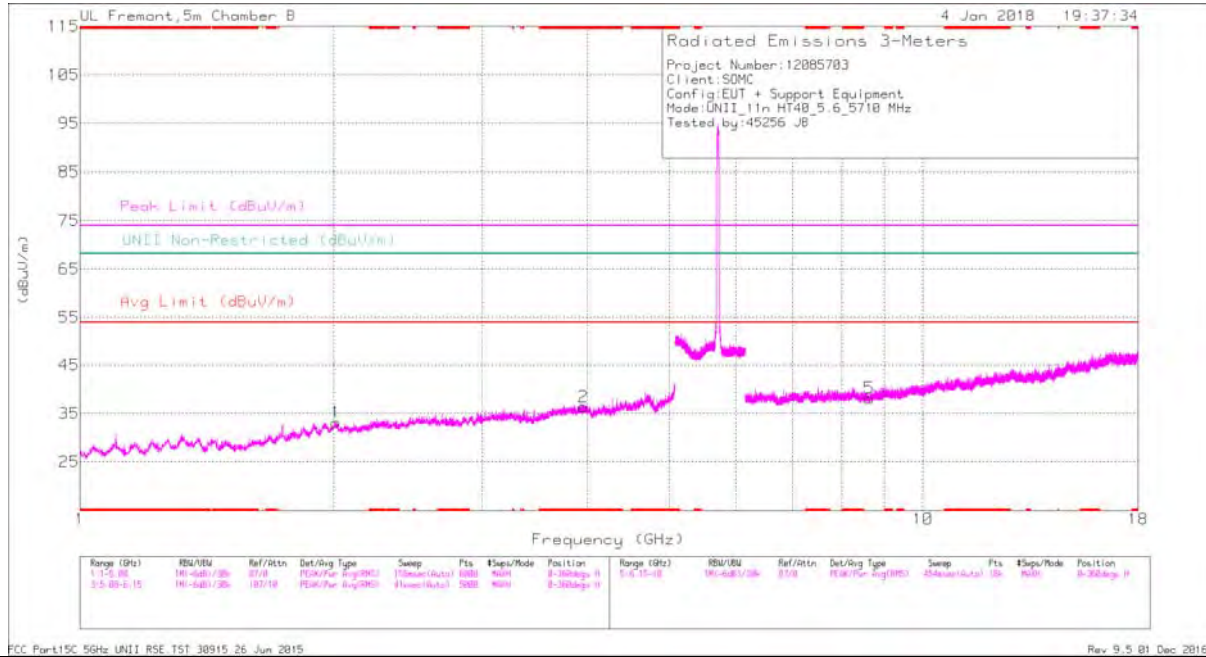
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 7.285	37.47	PK-U	35.8	-27.2	0	46.07	-	-	74	-27.93	-	-	0	312	H
	* 7.286	26.05	ADR	35.8	-27.3	.51	35.06	54	-18.94	-	-	-	-	0	312	H
1	1.838	41.84	PK-U	30.7	-33.9	0	38.64	-	-	-	-	68.2	-29.56	95	204	H
3	2.005	40.88	PK-U	31.3	-32.4	0	39.78	-	-	-	-	68.2	-28.42	305	308	V
4	3.168	40.01	PK-U	33	-31.8	0	41.21	-	-	-	-	68.2	-26.99	319	289	V
2	3.307	40.25	PK-U	32.9	-31.6	0	41.55	-	-	-	-	68.2	-26.65	245	383	H
6	7.151	38.51	PK-U	35.9	-29.2	0	45.21	-	-	-	-	68.2	-22.99	180	103	V

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

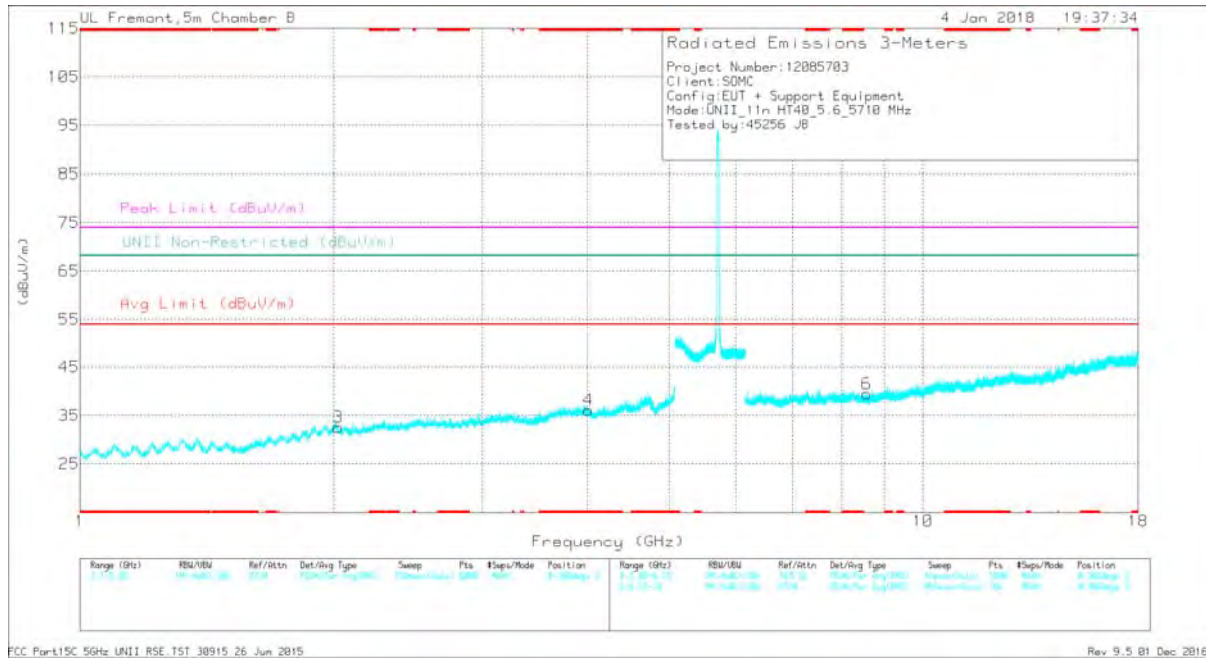
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 142 HORIZONTAL



CHANNEL 142 VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.957	40.11	PK-U	33.5	-30.5	0	43.11	-	-	74	-30.89	-	-	23	206	H
	* 3.957	28.69	ADR	33.5	-30.4	.51	32.3	54	-21.7	-	-	-	-	23	206	H
4	* 4.011	39.92	PK-U	33.5	-30.6	0	42.82	-	-	74	-31.18	-	-	176	160	V
	* 4.009	28.15	ADR	33.5	-30.5	.51	31.66	54	-22.34	-	-	-	-	176	160	V
1	2.011	41.02	PK-U	31.3	-32.6	0	39.72	-	-	-	-	68.2	-28.48	209	236	H
3	2.022	40.2	PK-U	31.3	-32.7	0	38.8	-	-	-	-	68.2	-29.4	37	347	V
6	8.576	36.37	PK-U	36	-27.1	0	45.27	-	-	-	-	68.2	-22.93	206	330	V
5	8.636	36.72	PK-U	36	-27.3	0	45.42	-	-	-	-	68.2	-22.78	19	119	H

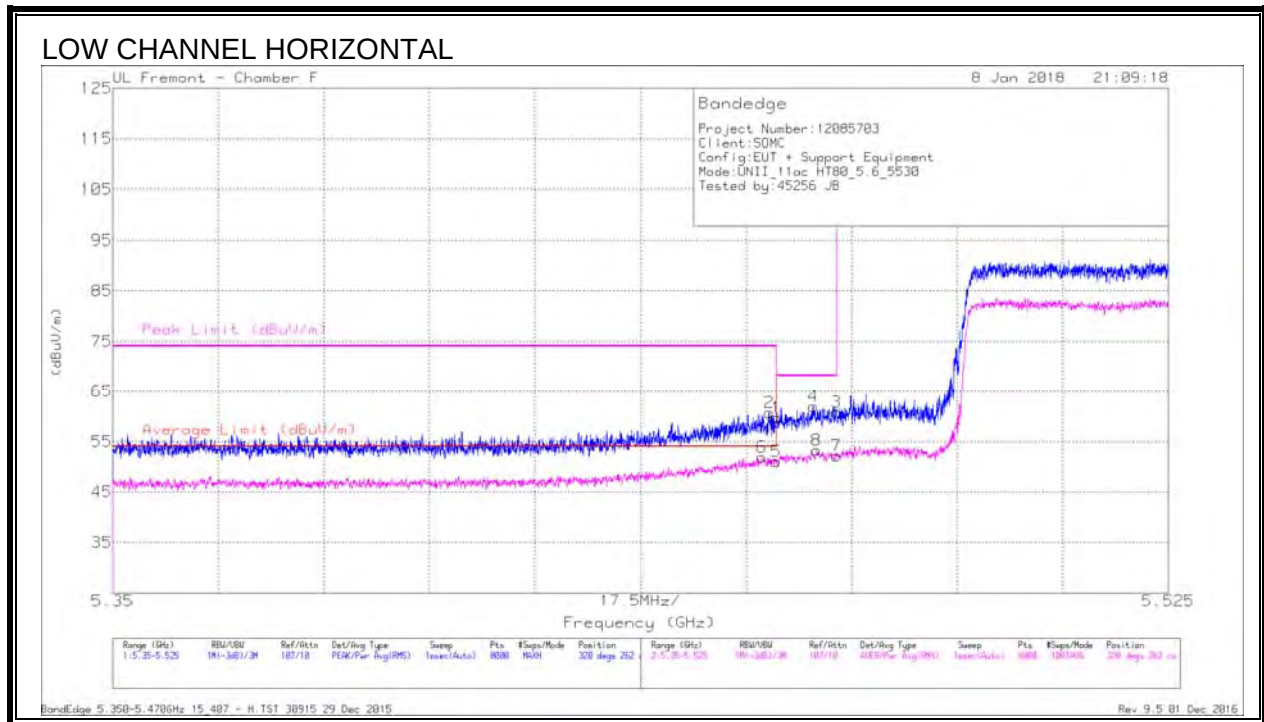
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.12. 11ac HT80 2TX CDD MIMO MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



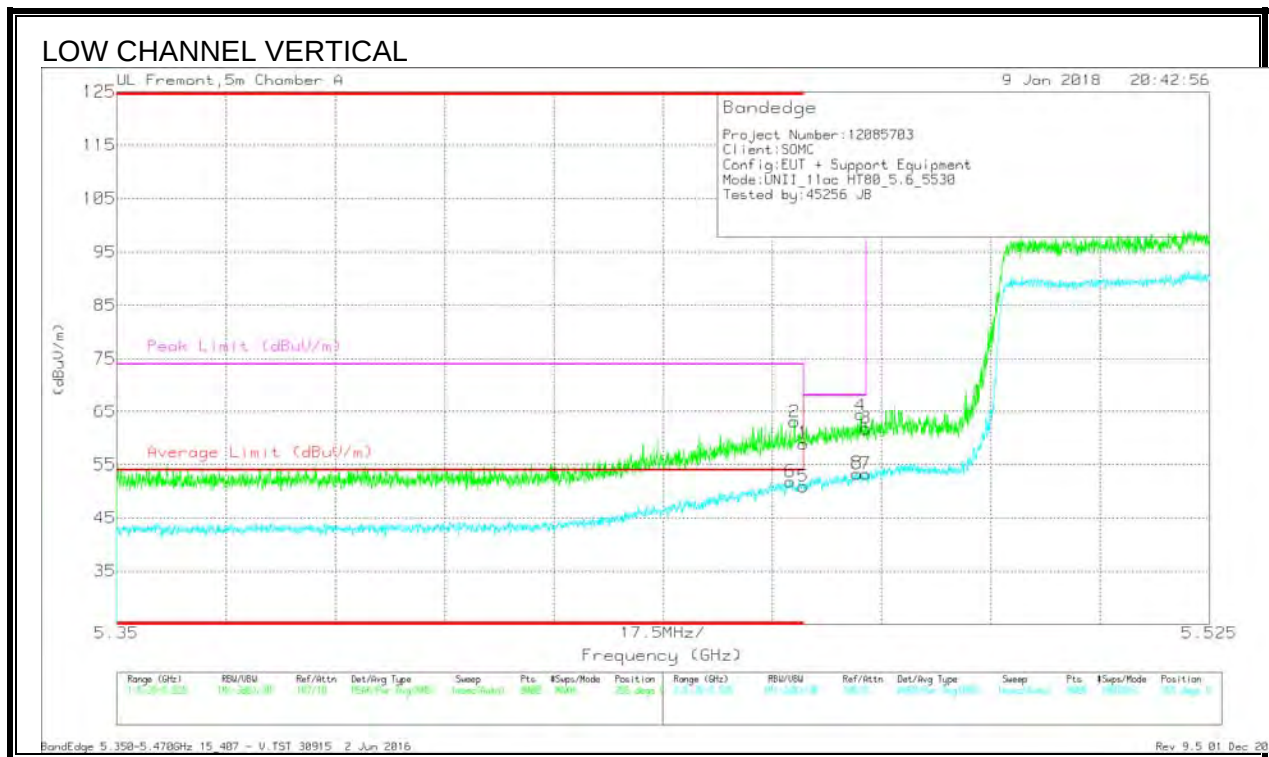
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/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	* 5.46	43.23	Pk	34.8	-18.3	0	59.73	-	-	74	-14.27	320	262	H
2	* 5.459	44.2	Pk	34.8	-18.3	0	60.7	-	-	74	-13.3	320	262	H
3	5.47	44.3	Pk	34.8	-18.3	0	60.8	-	-	68.2	-7.4	320	262	H
4	5.466	45.46	Pk	34.8	-18.3	0	61.96	-	-	68.2	-6.24	320	262	H
5	* 5.46	33.73	RMS	34.8	-18.3	.8	51.03	54	-2.97	-	-	320	262	H
6	* 5.458	34.57	RMS	34.8	-18.3	.8	51.87	54	-2.13	-	-	320	262	H
7	5.47	34.88	RMS	34.8	-18.3	.8	52.18	-	-	-	-	320	262	H
8	5.467	35.92	RMS	34.8	-18.3	.8	53.22	-	-	-	-	320	262	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

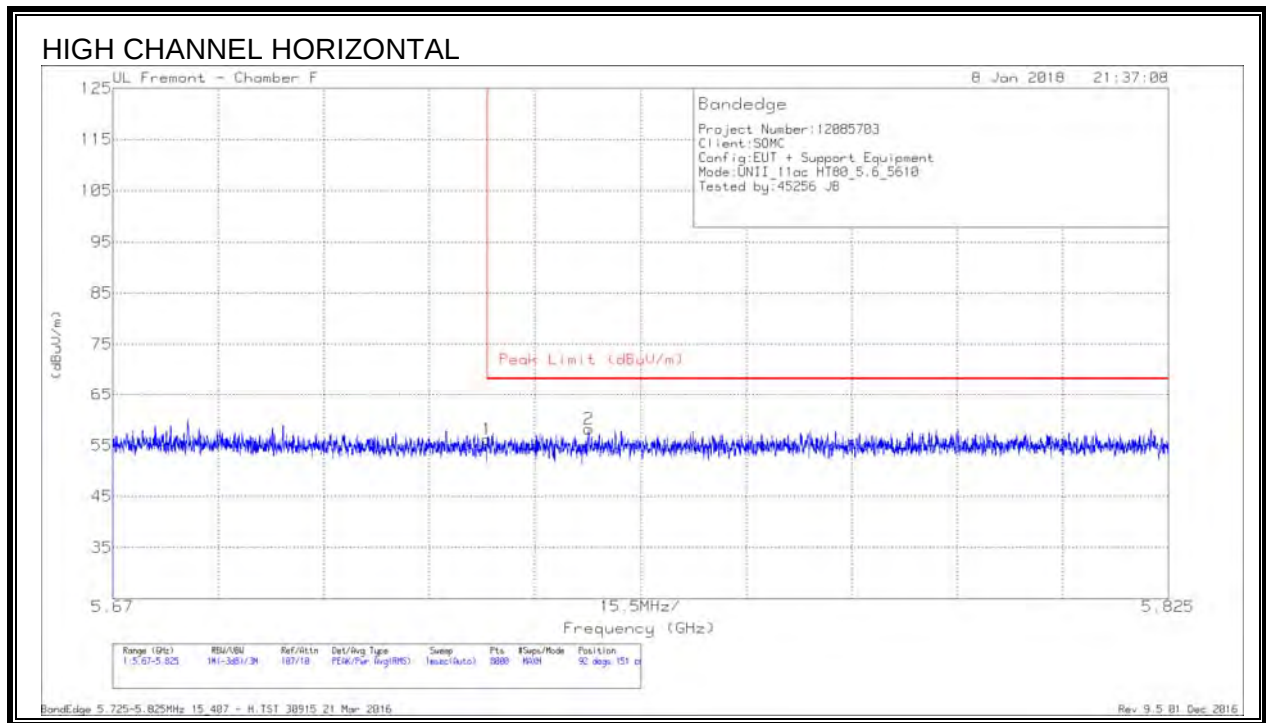
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
6	* 5.458	34.69	RMS	34.7	-18.4	.8	51.79	54	-2.21	-	-	255	316	V
2	* 5.459	46.78	Pk	34.7	-18.4	0	63.08	-	-	74	-10.92	255	316	V
1	* 5.46	42.63	Pk	34.7	-18.4	0	58.93	-	-	74	-15.07	255	316	V
5	* 5.46	33.8	RMS	34.7	-18.4	.8	50.9	54	-3.1	-	-	255	316	V
4	5.469	47.75	Pk	34.8	-18.2	0	64.35	-	-	68.2	-3.85	255	316	V
8	5.469	35.9	RMS	34.8	-18.2	.8	53.3	-	-	-	-	255	316	V
3	5.47	45.17	Pk	34.8	-18.2	0	61.77	-	-	68.2	-6.43	255	316	V
7	5.47	35.86	RMS	34.8	-18.2	.8	53.26	-	-	-	-	255	316	V

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

Pk - Peak detector

RMS - RMS detection

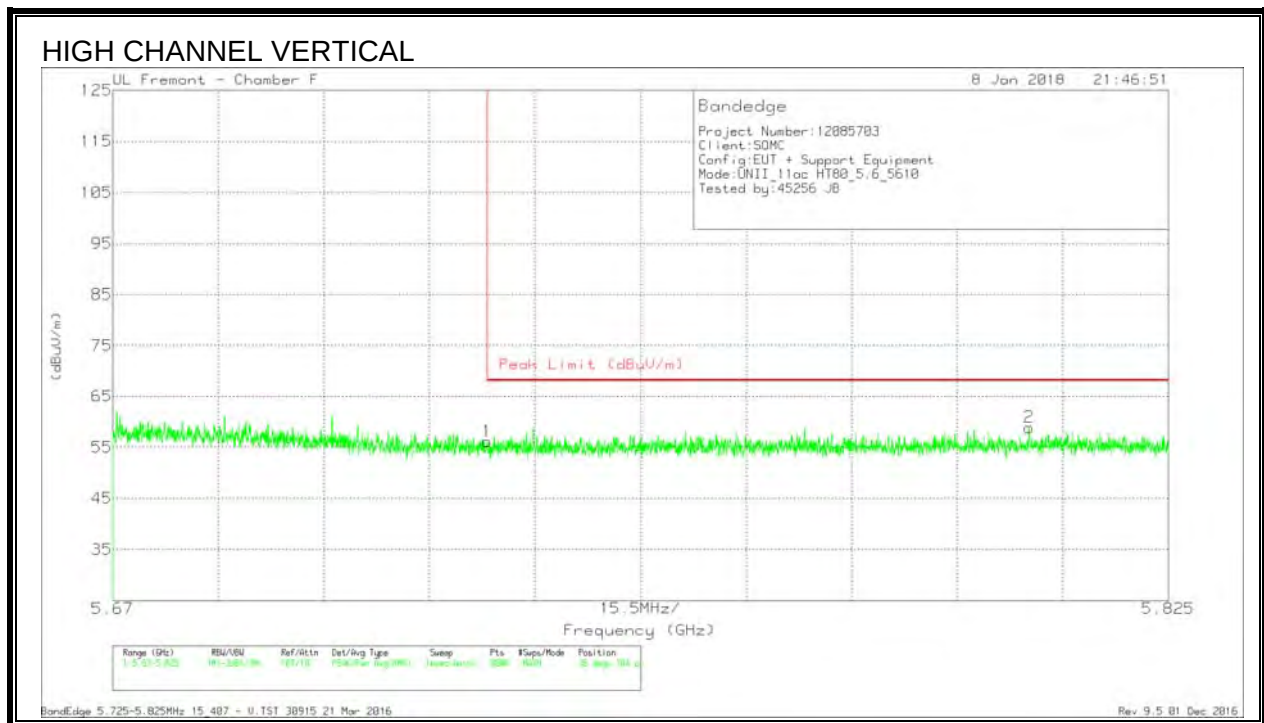
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.69	Pk	35	-17.6	0	56.09	68.2	-12.11	92	151	H
2	5.74	40.86	Pk	35	-17.6	0	58.26	68.2	-9.94	92	151	H

Pk - Peak detector

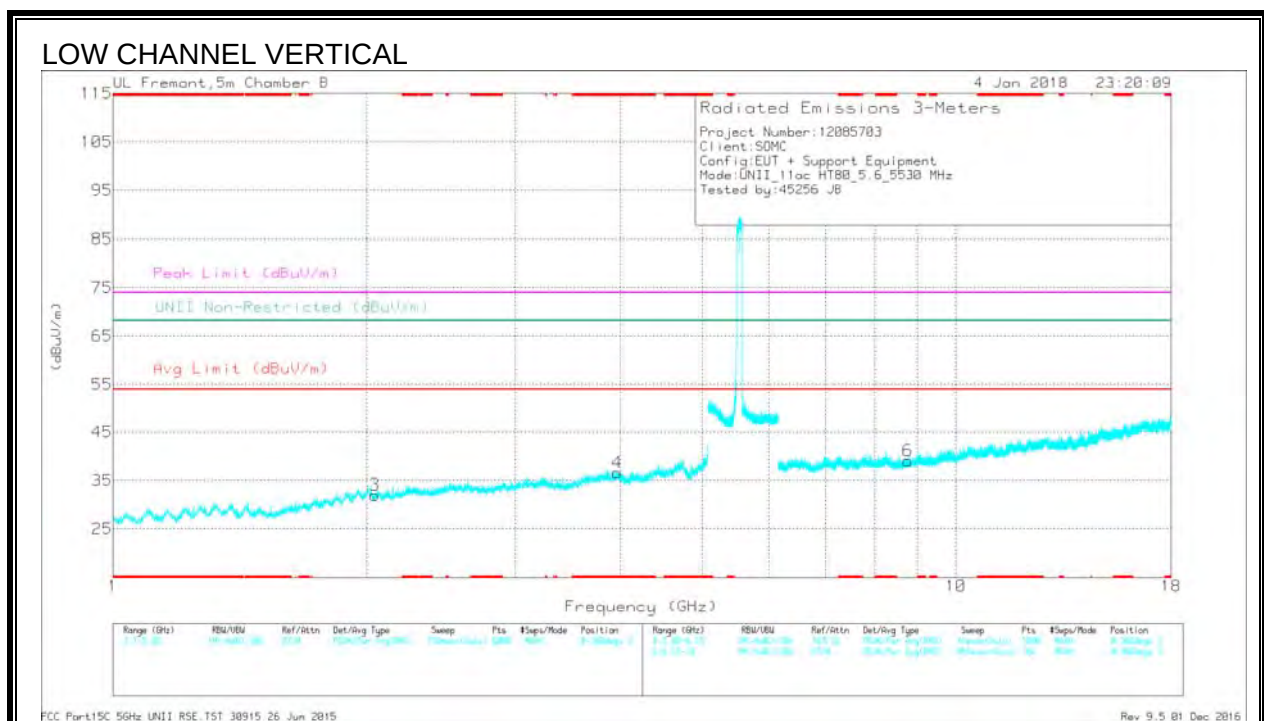
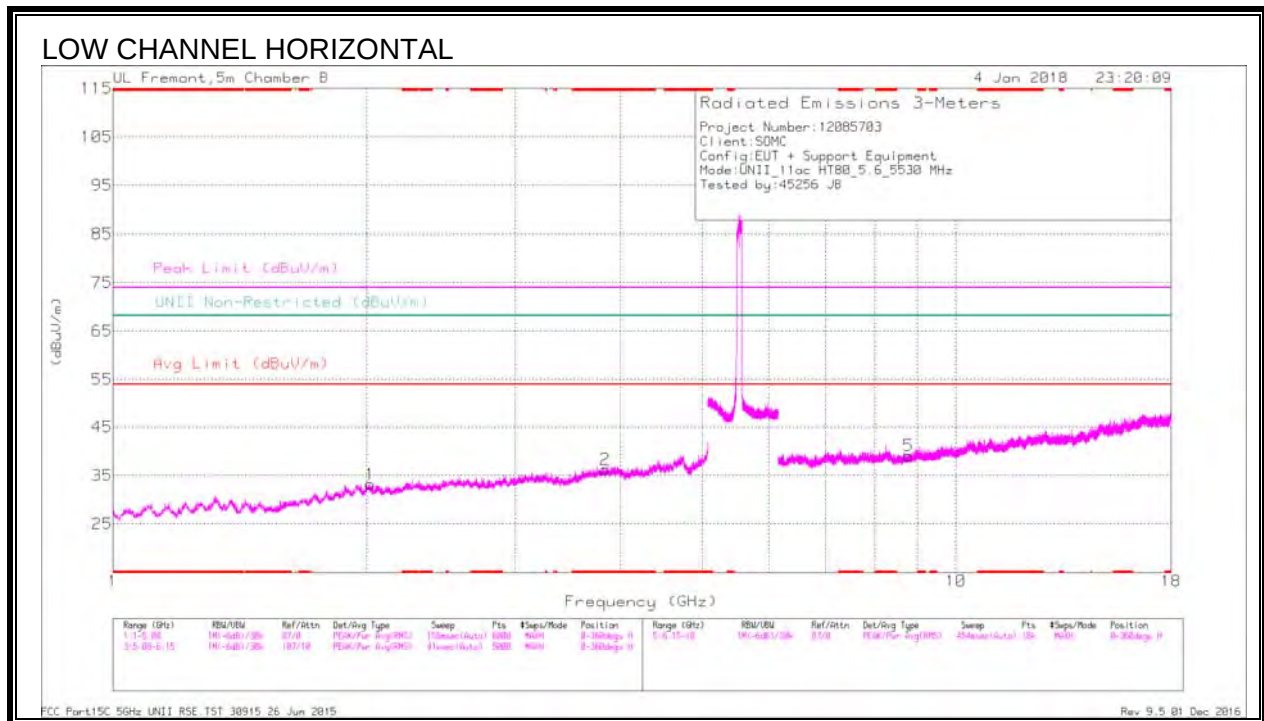


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.73	Pk	35	-17.6	0	56.13	68.2	-12.07	36	104	V
2	5.805	41.3	Pk	35.2	-17.6	0	58.9	68.2	-9.3	36	104	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

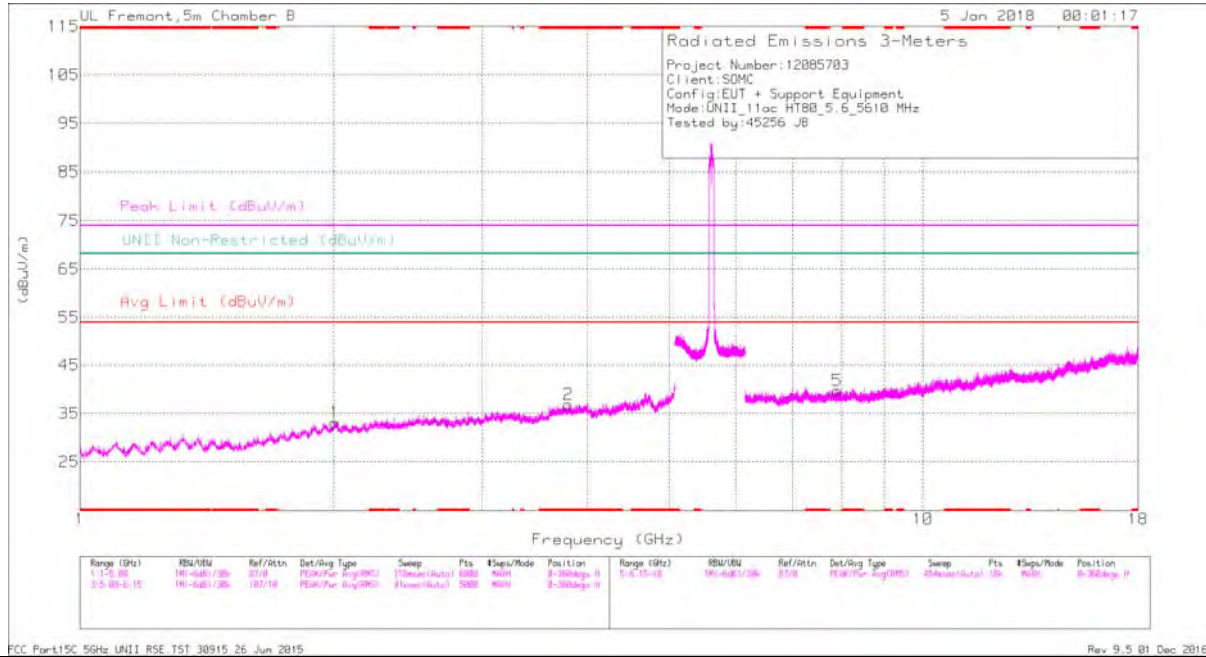
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.838	41.51	PK-U	33.5	-31.7	0	43.31	-	-	74	-30.69	-	-	66	261	H
	* 3.839	29.55	ADR	33.5	-31.7	.8	32.15	54	-21.85	-	-	-	-	66	261	H
4	* 3.965	40.14	PK-U	33.5	-30.5	0	43.14	-	-	74	-30.86	-	-	156	293	V
	* 3.967	28.74	ADR	33.5	-30.4	.8	32.64	54	-21.36	-	-	-	-	156	293	V
1	2.021	41.4	PK-U	31.3	-32.6	0	40.1	-	-	-	-	68.2	-28.1	231	165	H
3	2.046	40.21	PK-U	31.4	-33.1	0	38.51	-	-	-	-	68.2	-29.69	312	386	V
6	8.769	36.58	PK-U	36.2	-27.3	0	45.48	-	-	-	-	68.2	-22.72	356	346	V
5	8.783	36.82	PK-U	36.1	-27.3	0	45.62	-	-	-	-	68.2	-22.58	244	117	H

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

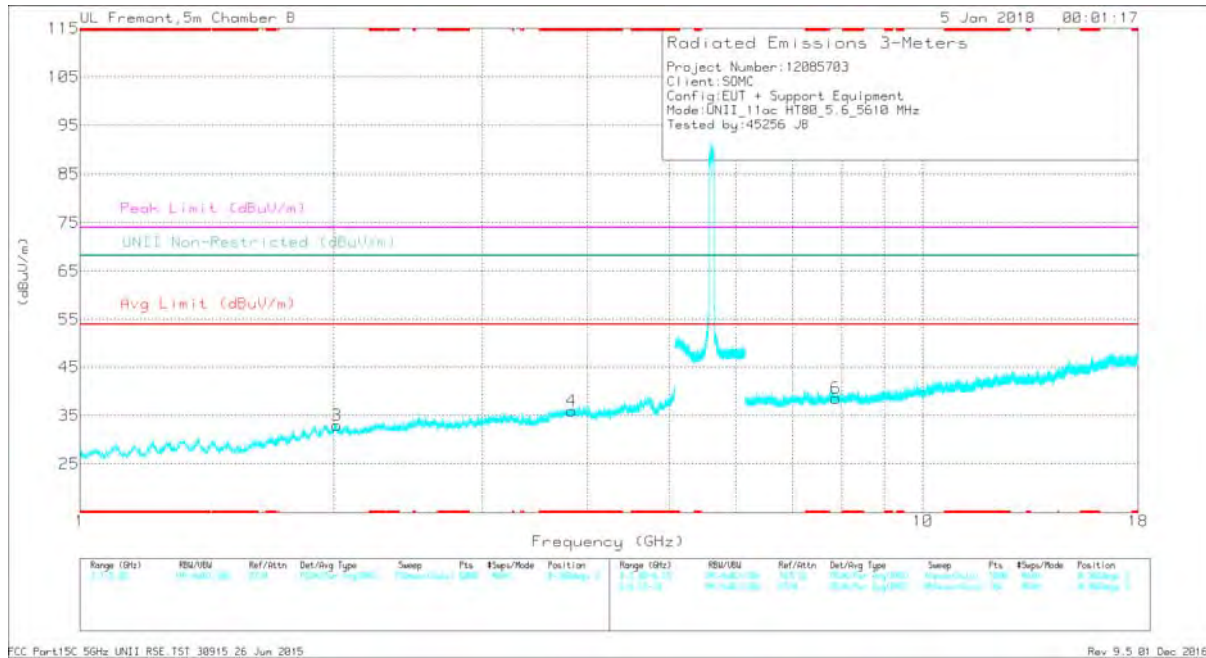
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

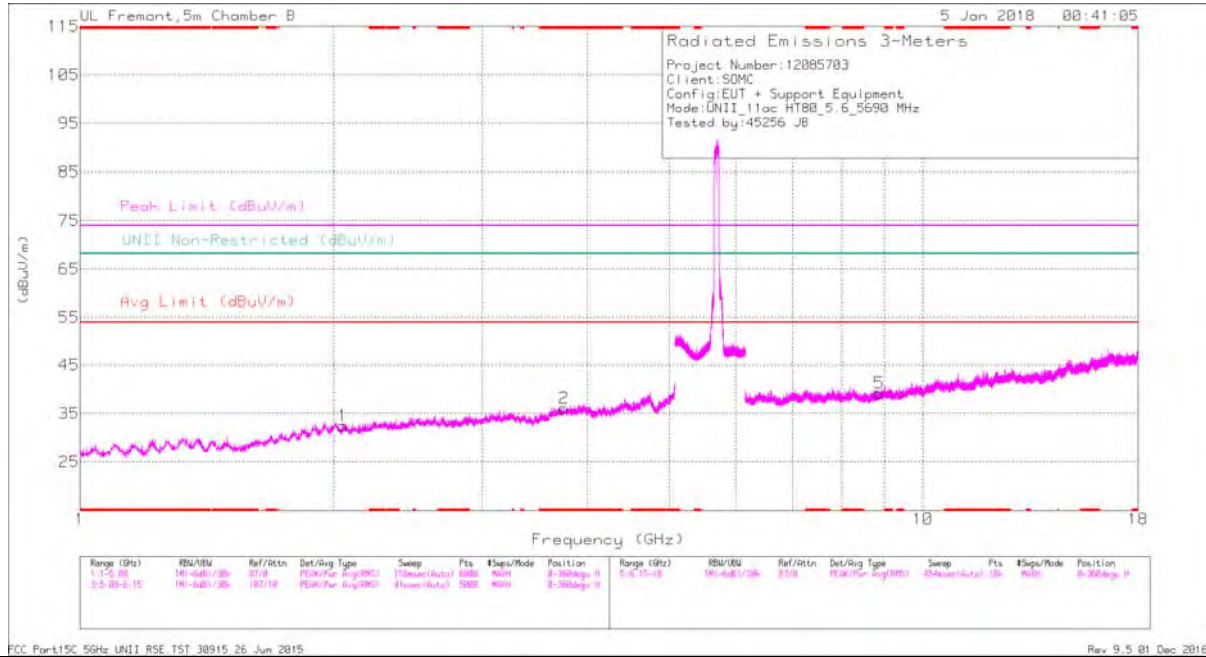
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.793	40.88	PK-U	33.5	-31.6	0	42.78	-	-	74	-31.22	-	-	6	169	H
	* 3.794	29.09	ADR	33.5	-31.6	.8	31.79	54	-22.21	-	-	-	-	6	169	H
4	* 3.833	41.43	PK-U	33.5	-31.7	0	43.23	-	-	74	-30.77	-	-	253	104	V
	* 3.832	29.39	ADR	33.5	-31.7	.8	31.99	54	-22.01	-	-	-	-	253	104	V
1	2.007	41.3	PK-U	31.3	-32.5	0	40.1	-	-	-	-	68.2	-28.1	165	232	H
3	2.017	40.78	PK-U	31.3	-32.7	0	39.38	-	-	-	-	68.2	-28.82	245	309	V
6	7.885	37.49	PK-U	36	-28	0	45.49	-	-	-	-	68.2	-22.71	115	127	V
5	7.913	38.1	PK-U	36	-28	0	46.1	-	-	-	-	68.2	-22.1	271	167	H

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

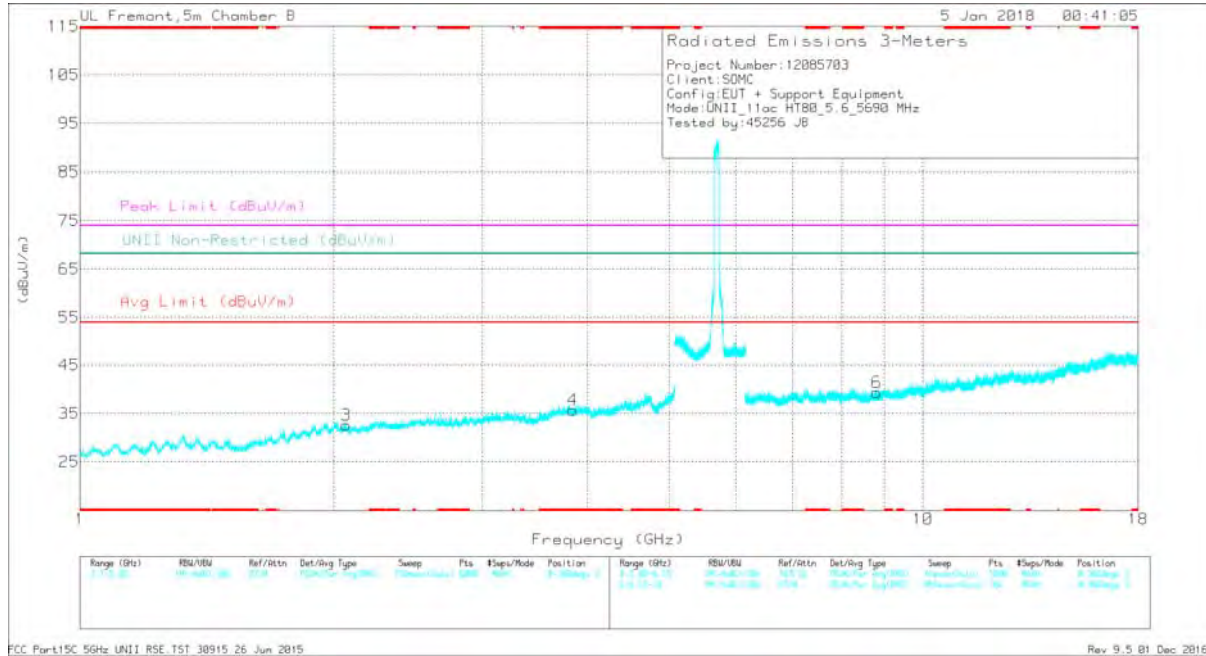
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 138 HORIZONTAL



CHANNEL 138 VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.751	41.08	PK-U	33.4	-31.4	0	43.08	-	-	74	-30.92	-	-	5	123	H
	* 3.753	29.13	ADR	33.4	-31.4	.8	31.93	54	-22.07	-	-	-	-	5	123	H
4	* 3.841	41.14	PK-U	33.5	-31.7	0	42.94	-	-	74	-31.06	-	-	158	399	V
	* 3.839	29.42	ADR	33.5	-31.7	.8	32.02	54	-21.98	-	-	-	-	158	399	V
1	2.052	41.18	PK-U	31.4	-33.2	0	39.38	-	-	-	-	68.2	-28.82	73	174	H
3	2.071	41.81	PK-U	31.4	-33.5	0	39.71	-	-	-	-	68.2	-28.49	87	186	V
6	8.815	36.19	PK-U	36.2	-26.9	0	45.49	-	-	-	-	68.2	-22.71	22	168	V
5	8.878	36.53	PK-U	36.2	-26.4	0	46.33	-	-	-	-	68.2	-21.87	356	151	H

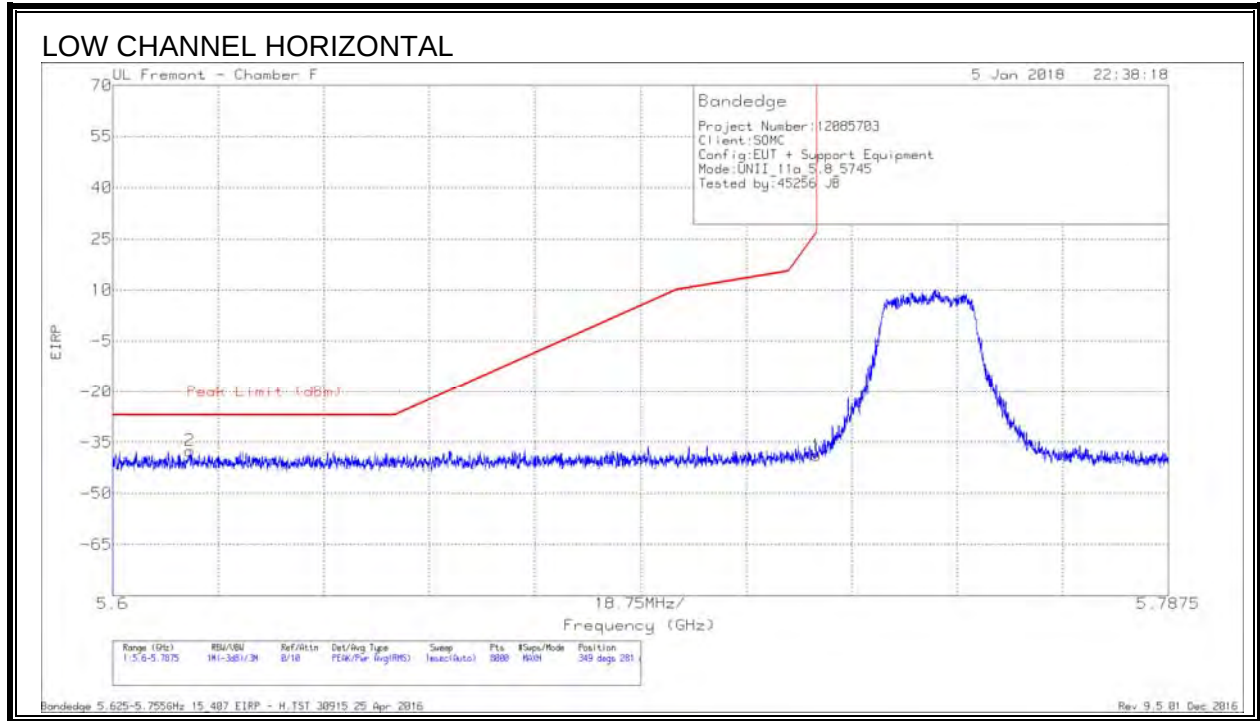
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.13. 11a 2TX CDD MIMO MODE IN THE 5.8GHZ BAND

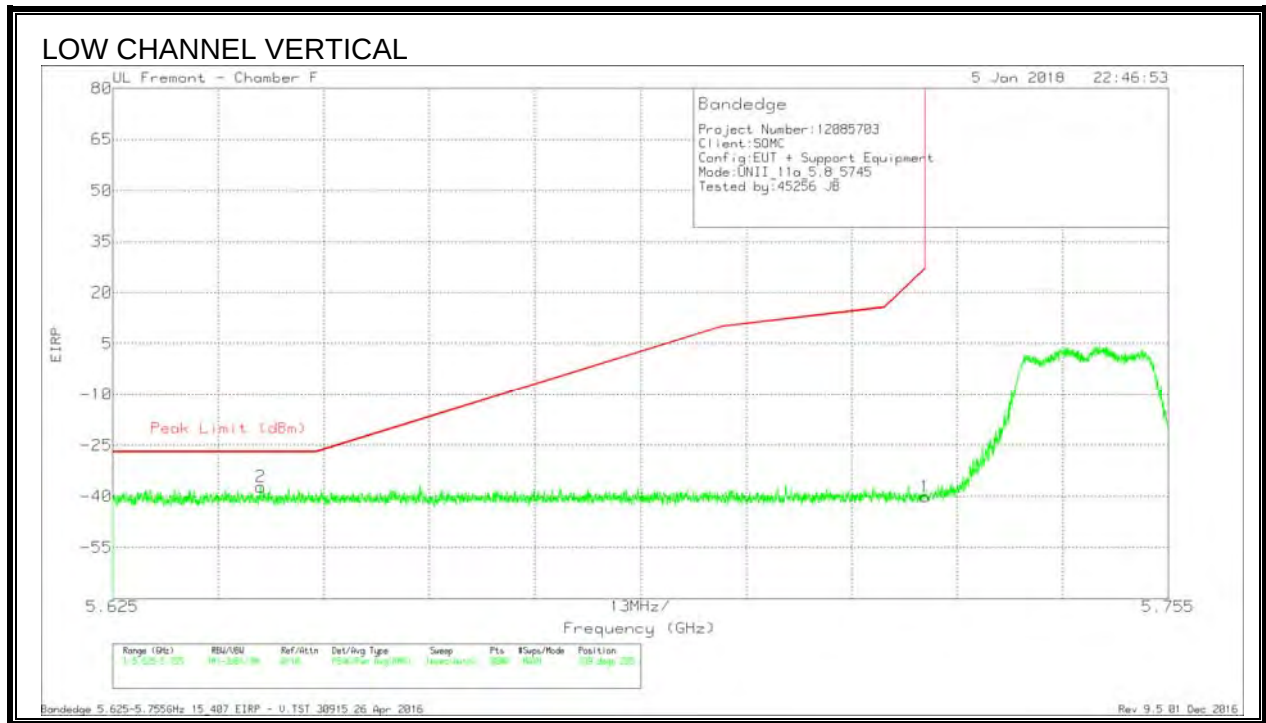
RESTRICTED BANDEDGE (LOW CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.09	Pk	35	-17.6	11.8	0	-38.89	26.96	-65.85	349	281	H
2	5.614	-66.24	Pk	34.8	-17.8	11.8	0	-37.44	-27	-10.44	349	281	H

Pk - Peak detector

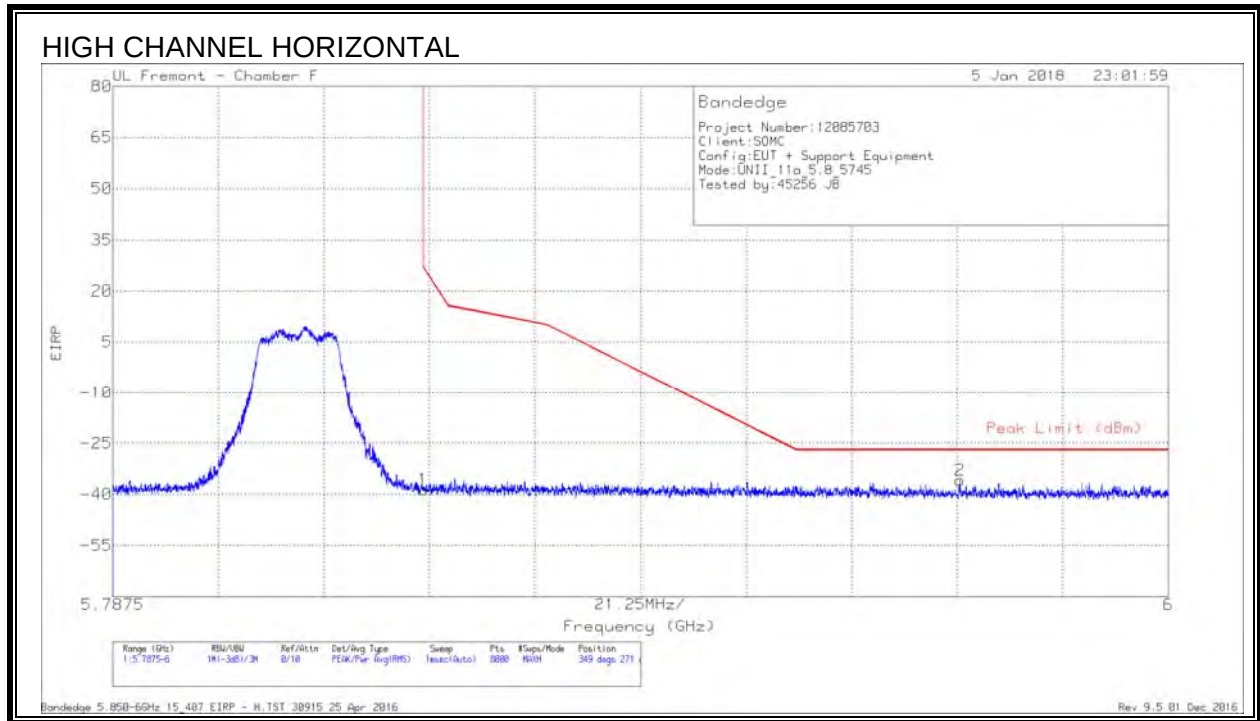


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-69.24	Pk	35	-17.6	11.8	0	-40.04	27	-67.04	339	285	V
2	5.643	-66	Pk	34.9	-17.9	11.8	0	-37.2	-27	-10.2	339	285	V

Pk - Peak detector

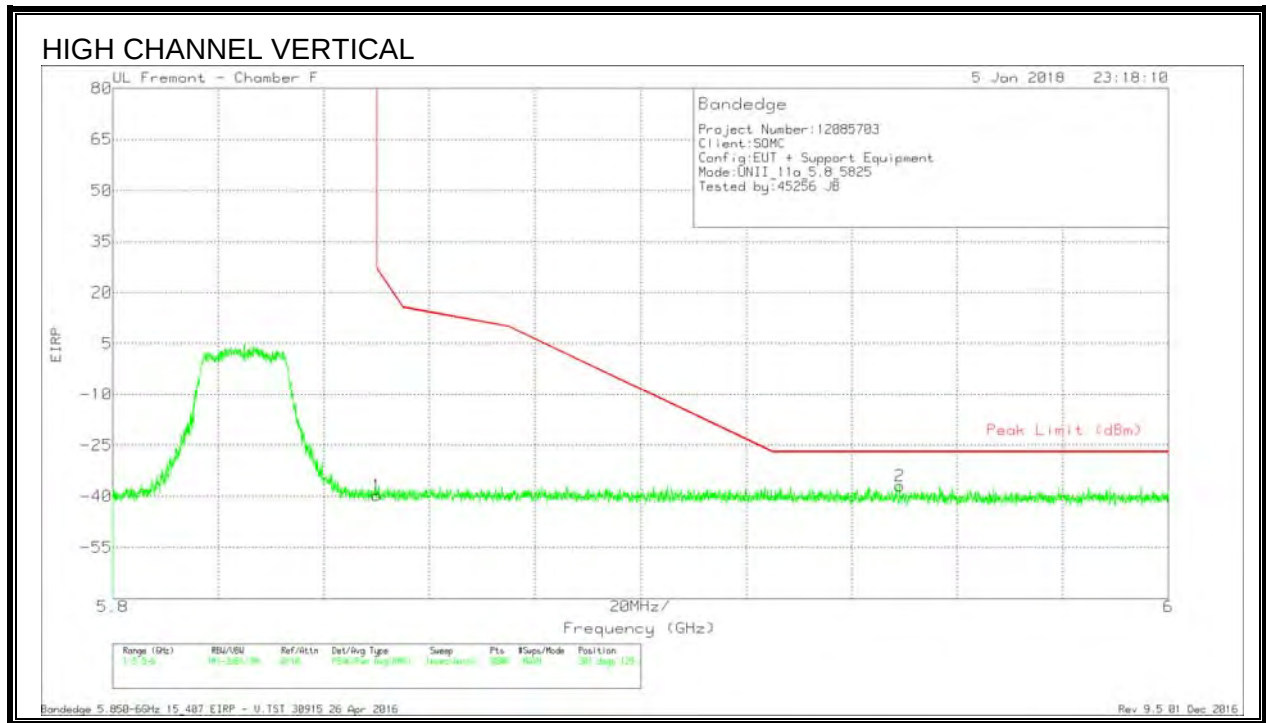
AUTHORIZED BANDEGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.72	Pk	35.1	-17.7	11.8	0	-38.52	26.98	-65.5	349	271	H
2	5.958	-65	Pk	35.2	-17.9	11.8	0	-35.9	-27	-8.9	349	271	H

Pk - Peak detector

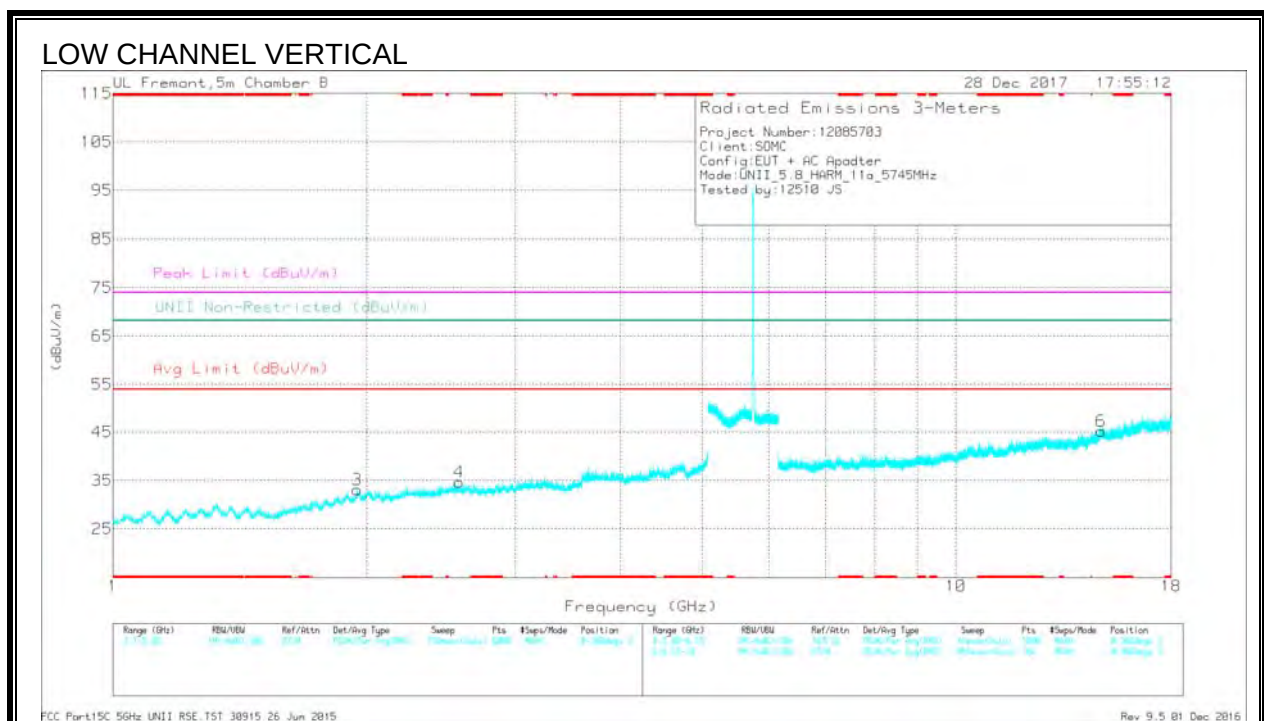
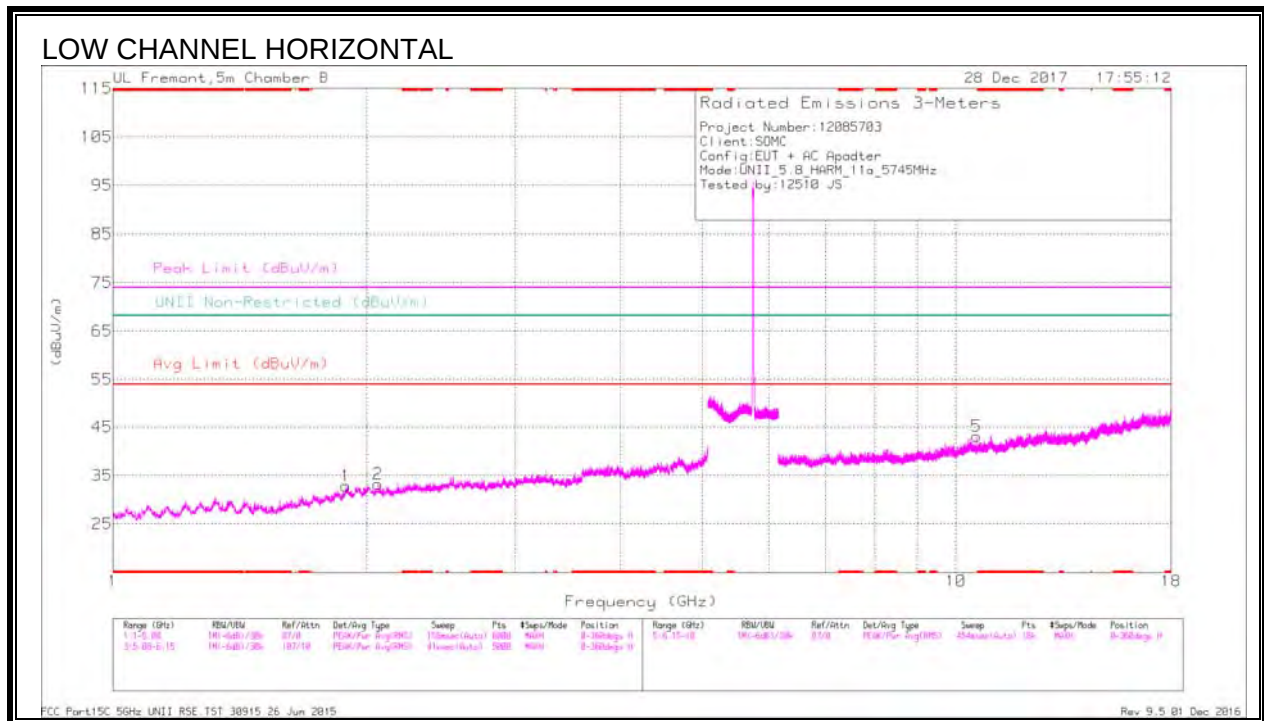


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.92	Pk	35.1	-17.7	11.8	0	-39.72	26.99	-66.71	301	129	V
2	5.949	-65.92	Pk	35.2	-18	11.8	0	-36.92	-27	-9.92	301	129	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

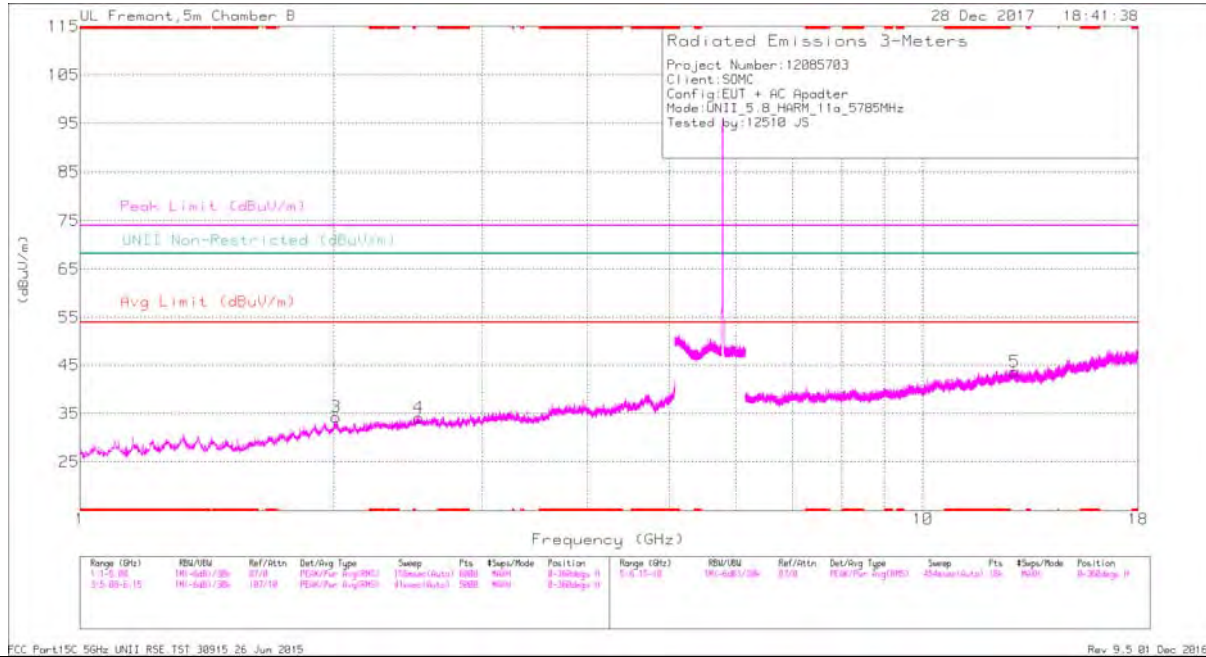
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.891	41.24	PK-U	30.9	-33.3	0	38.84	-	-	-	-	68.2	-29.36	180	211	H
3	1.948	41.19	PK-U	31.1	-32.6	0	39.69	-	-	-	-	68.2	-28.51	20	126	V
2	2.062	41.34	PK-U	31.1	-32.6	0	39.84	-	-	-	-	68.2	-28.36	56	294	V
4	2.062	41.77	PK-U	31.4	-33.4	0	39.77	-	-	-	-	68.2	-28.43	23	155	H
5	10.571	35.31	PK-U	37.6	-25.3	0	47.61	-	-	-	-	68.2	-20.59	296	324	H
6	14.857	34.36	PK-U	40.6	-23.7	0	51.26	-	-	-	-	68.2	-16.94	343	384	V

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

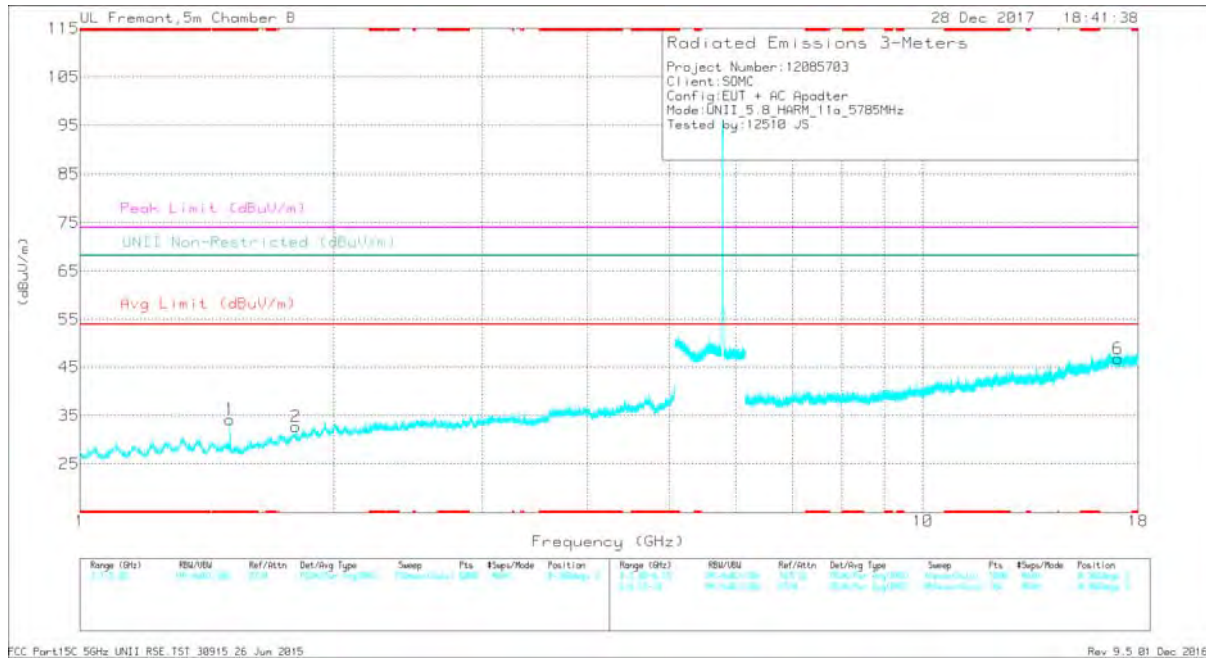
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Radiated Emissions

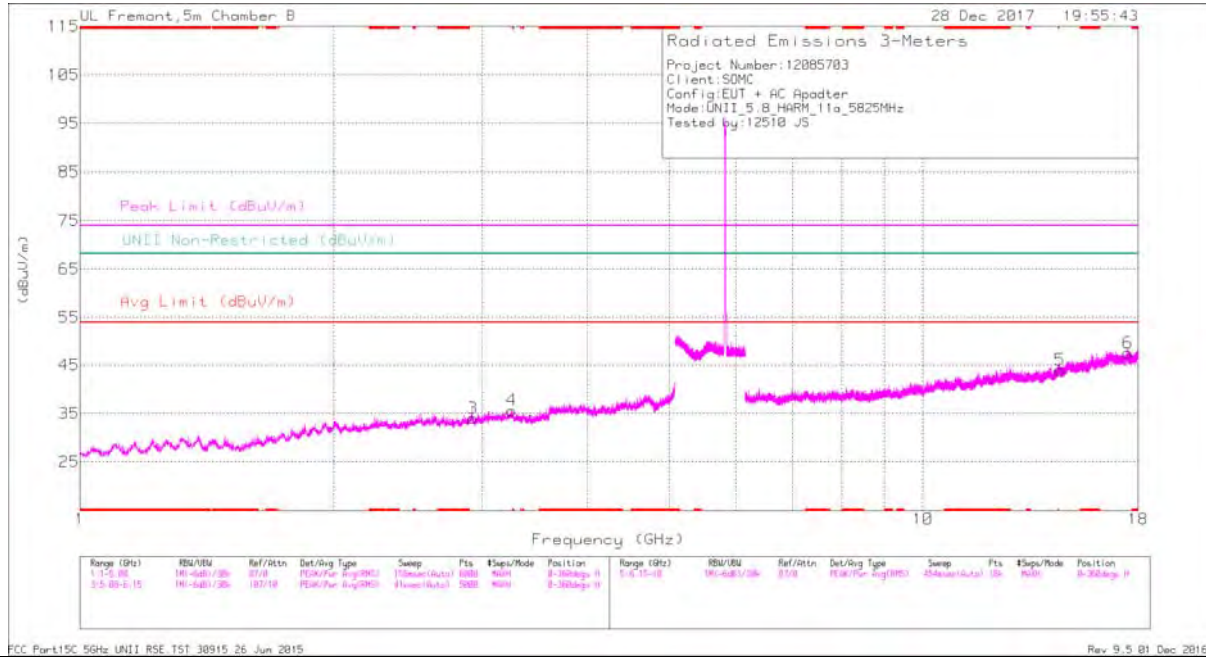
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.506	41.95	PK-U	28.1	-34.3	0	35.75	-	-	74	-38.25	-	-	112	293	V
	* 1.506	29.8	ADR	28.1	-34.3	.13	23.73	54	-30.27	-	-	-	-	112	293	V
2	1.804	41.68	PK-U	30.3	-34.1	0	37.88	-	-	-	-	68.2	-30.32	240	125	V
3	2.013	41.77	PK-U	31.3	-32.7	0	40.37	-	-	-	-	68.2	-27.83	63	140	H
4	2.522	40.56	PK-U	32.6	-32.4	0	40.76	-	-	-	-	68.2	-27.44	113	192	H
5	12.851	35.19	PK-U	39.4	-24.3	0	50.29	-	-	-	-	68.2	-17.91	310	281	H
6	17.034	34.07	PK-U	42	-22.4	0	53.67	-	-	-	-	68.2	-14.53	101	161	V

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

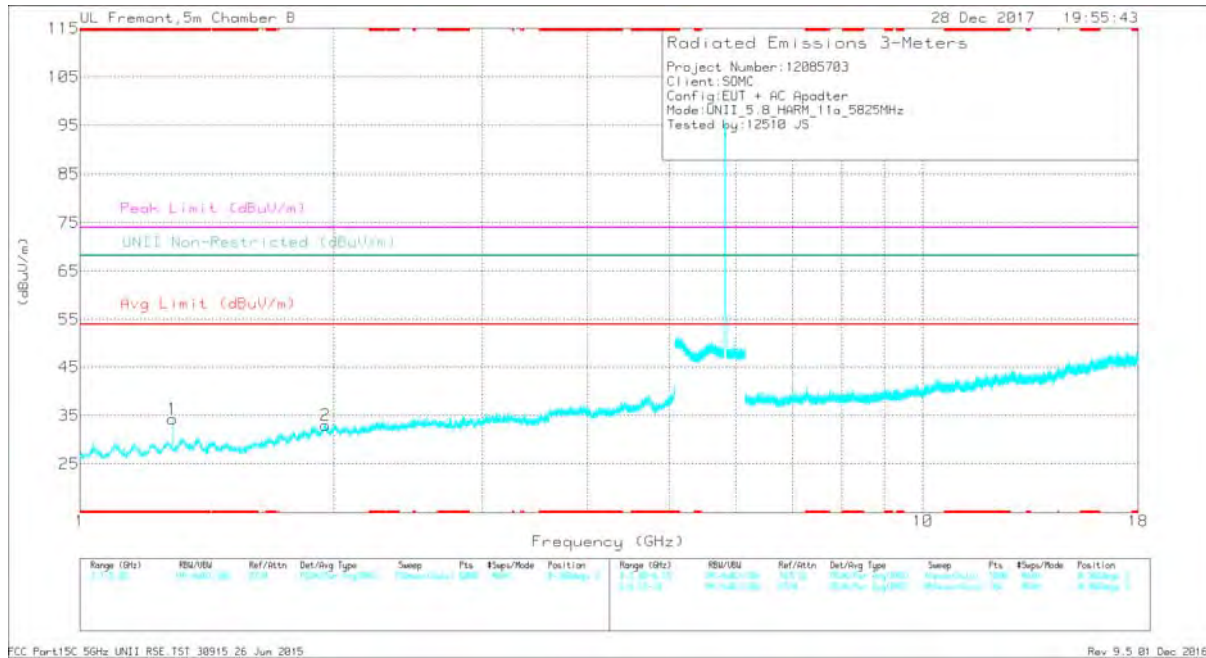
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.287	41.38	PK-U	28.9	-34.7	0	35.58	-	-	74	-38.42	-	-	97	394	V
	* 1.285	29.42	ADR	28.9	-34.7	.13	23.75	54	-30.25	-	-	-	-	97	394	V
2	1.956	40.94	PK-U	31.1	-32.5	0	39.54	-	-	-	-	68.2	-28.66	101	378	V
3	2.922	39.97	PK-U	32.6	-32	0	40.57	-	-	-	-	68.2	-27.63	74	227	H
4	3.252	39.81	PK-U	33.1	-31.5	0	41.41	-	-	-	-	68.2	-26.79	219	182	H
5	14.542	34.44	PK-U	40	-23.4	0	51.04	-	-	-	-	68.2	-17.16	252	323	H
6	17.507	34.13	PK-U	41.7	-21.5	0	54.33	-	-	-	-	68.2	-13.87	73	198	H

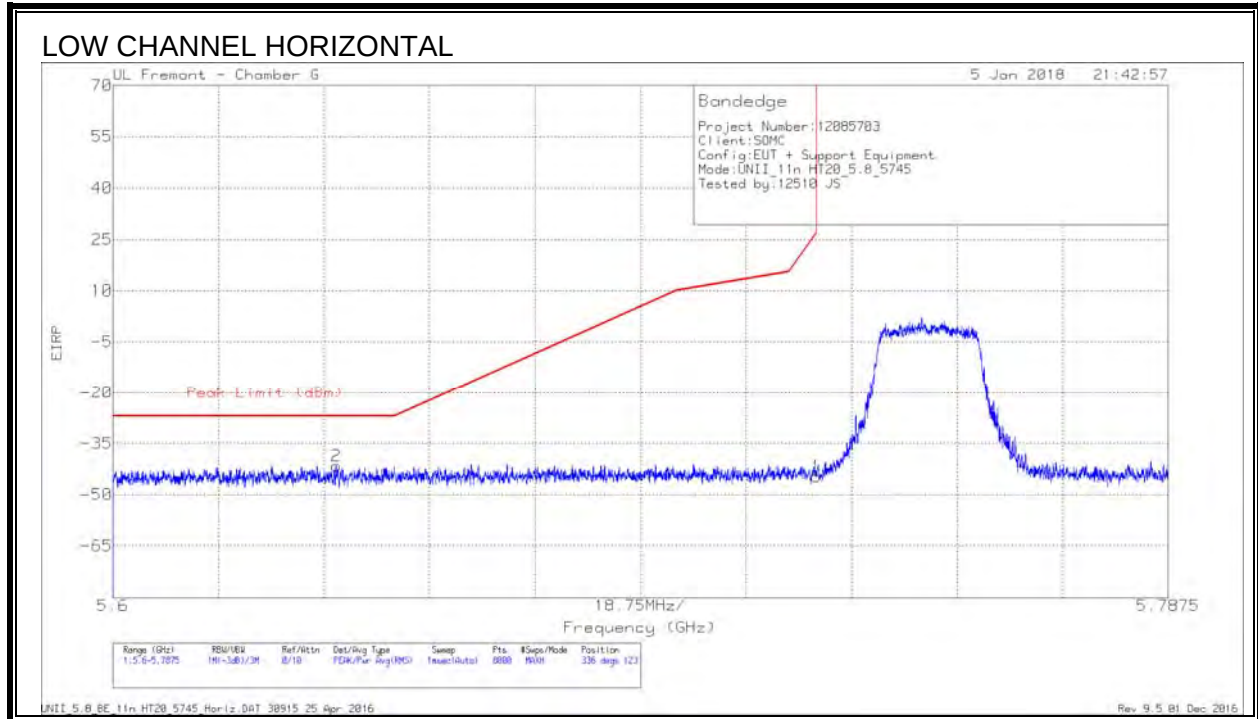
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.14. 11n HT20 2TX CDD MIMO MODE IN THE 5.8GHZ BAND

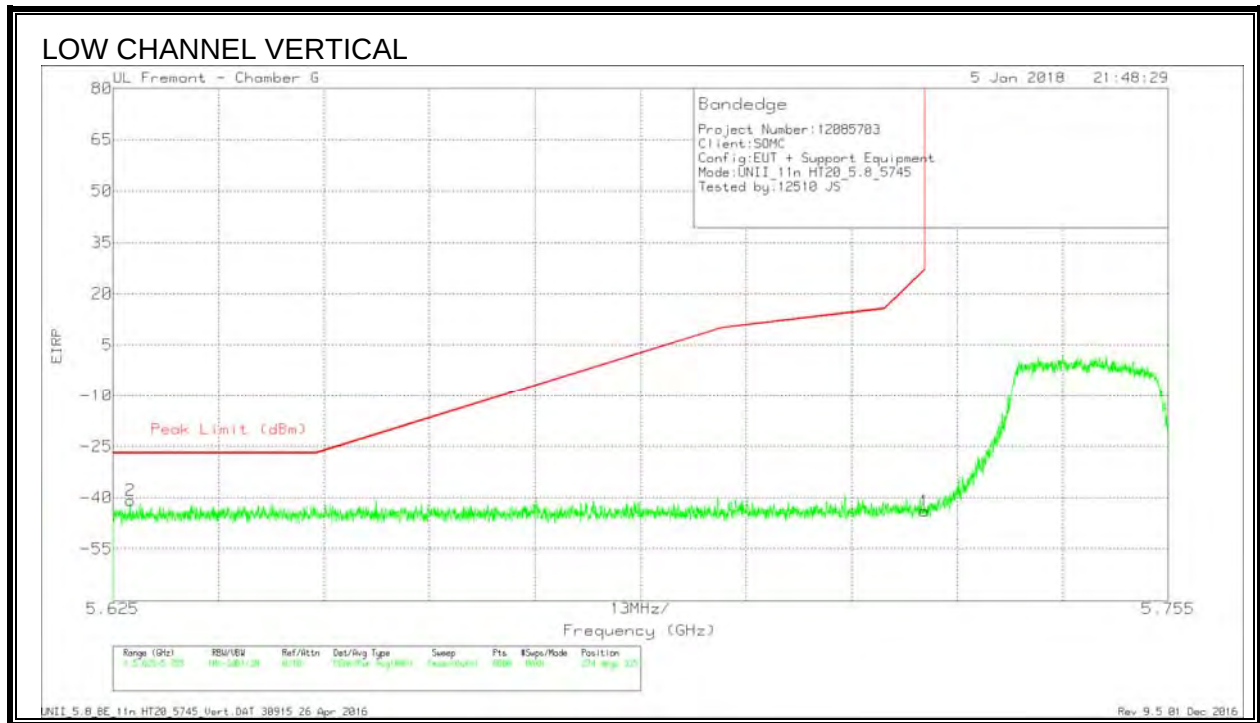
RESTRICTED BANDEDGE (LOW CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64	-65.74	Pk	35	-22.6	11.8	0	-41.54	-27	-14.54	336	123	H
1	5.725	-69.42	Pk	35.2	-22.3	11.8	0	-44.72	26.96	-71.68	336	123	H

Pk - Peak detector

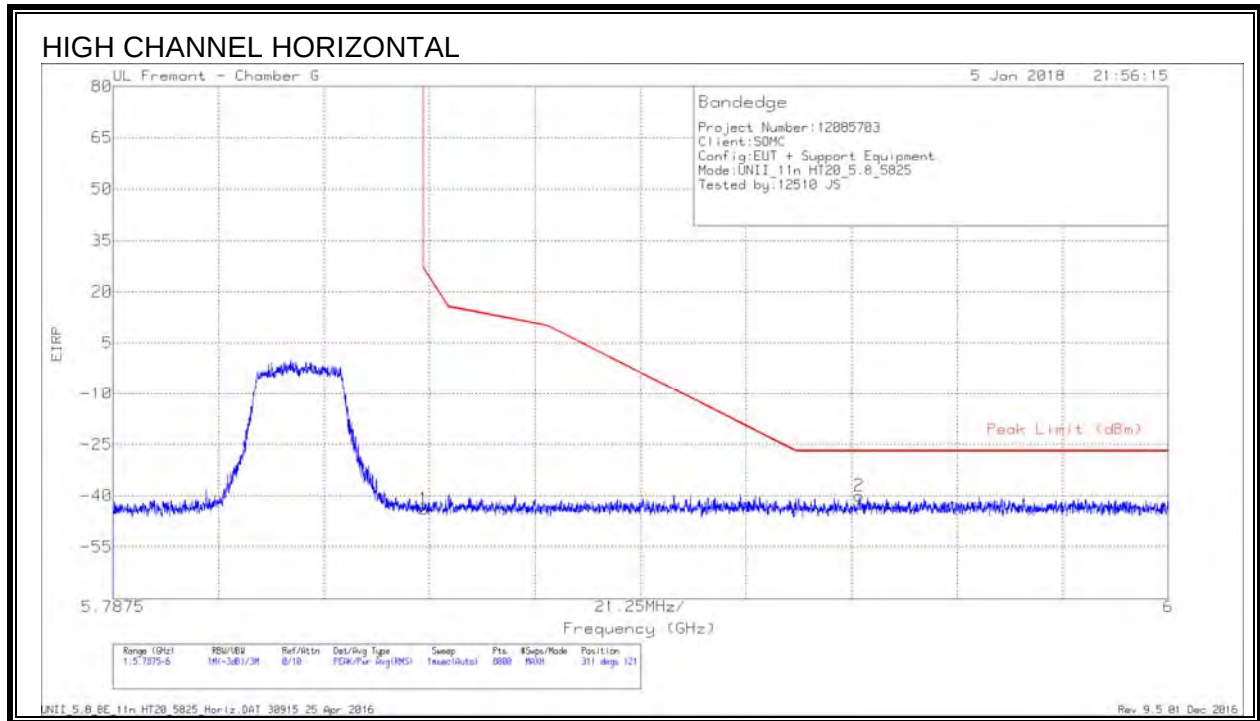


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.627	-64.97	Pk	34.9	-22.6	11.8	0	-40.87	-27	-13.87	274	335	V
1	5.725	-68.59	Pk	35.2	-22.3	11.8	0	-43.89	27	-70.89	274	335	V

Pk - Peak detector

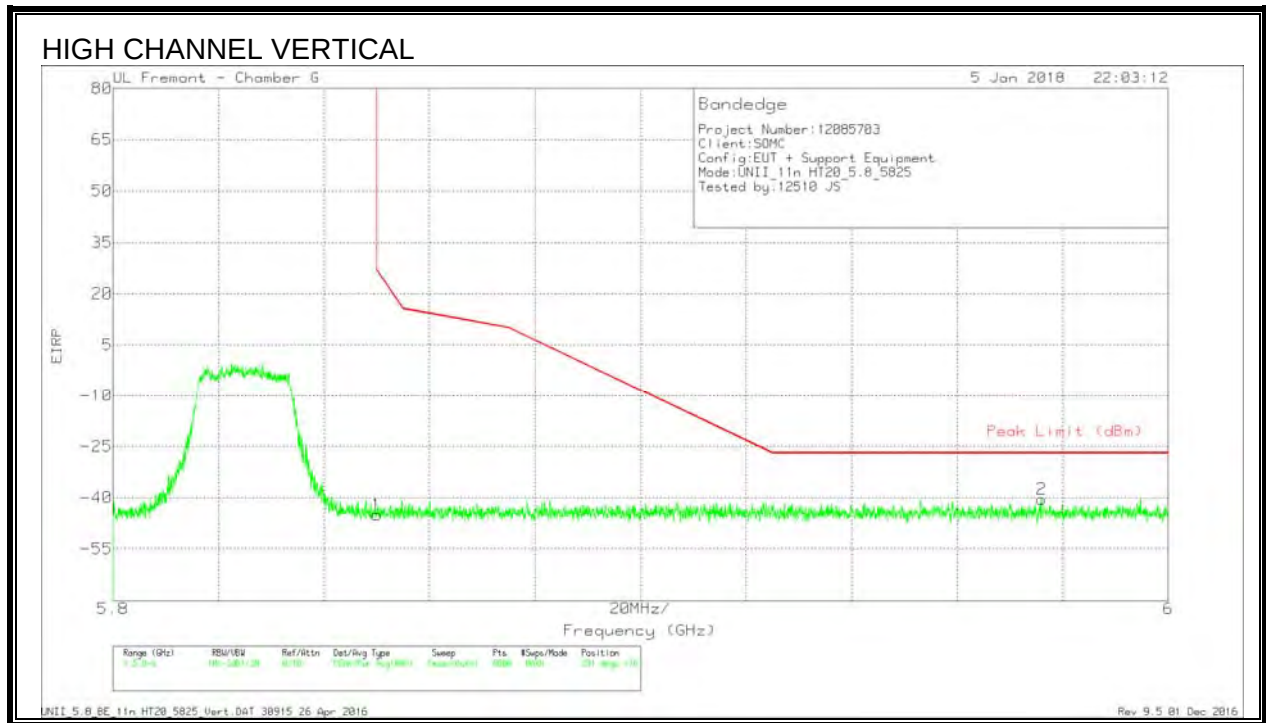
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT345 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.74	Pk	35.4	-22.3	11.8	0	-43.84	26.98	-70.82	311	121	H
2	5.938	-64.67	Pk	35.5	-22.6	11.8	0	-39.97	-27	-12.97	311	121	H

Pk - Peak detector

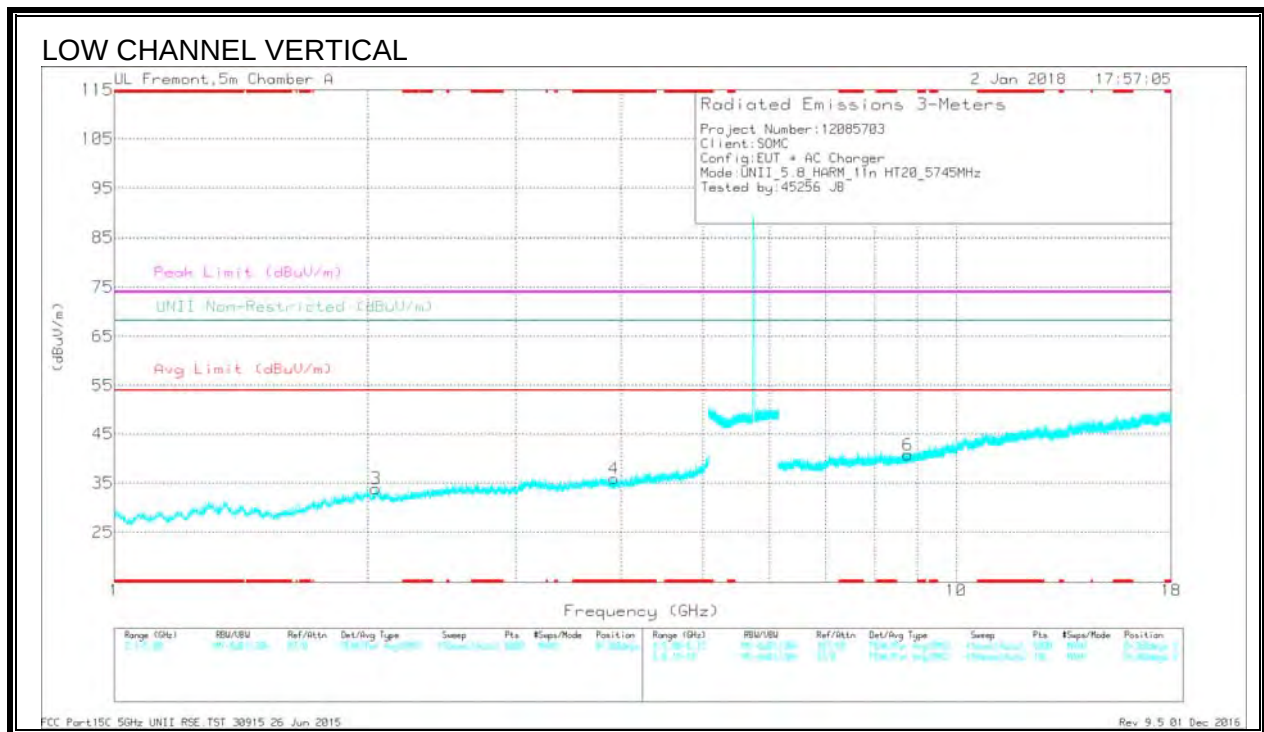
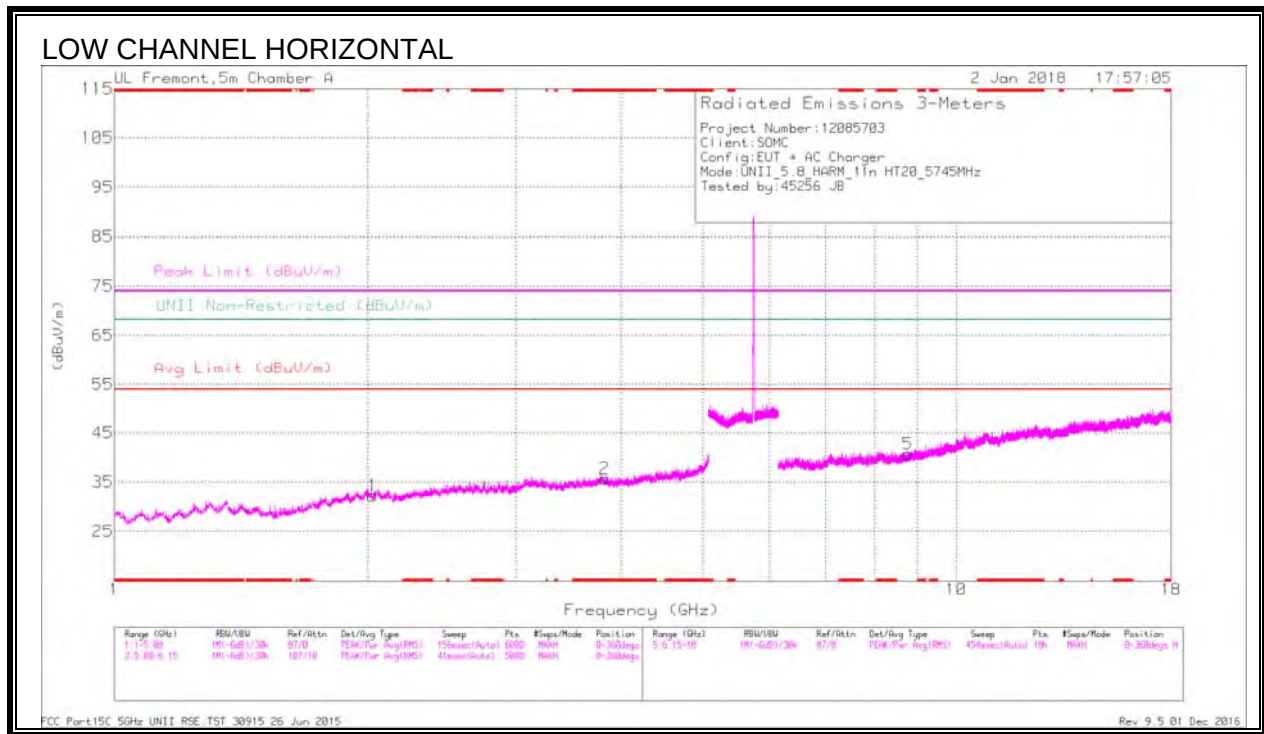


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.89	Pk	35.4	-22.3	11.8	0	-44.99	26.99	-71.98	291	176	V
2	5.976	-65.45	Pk	35.5	-22.3	11.8	0	-40.45	-27	-13.45	291	176	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

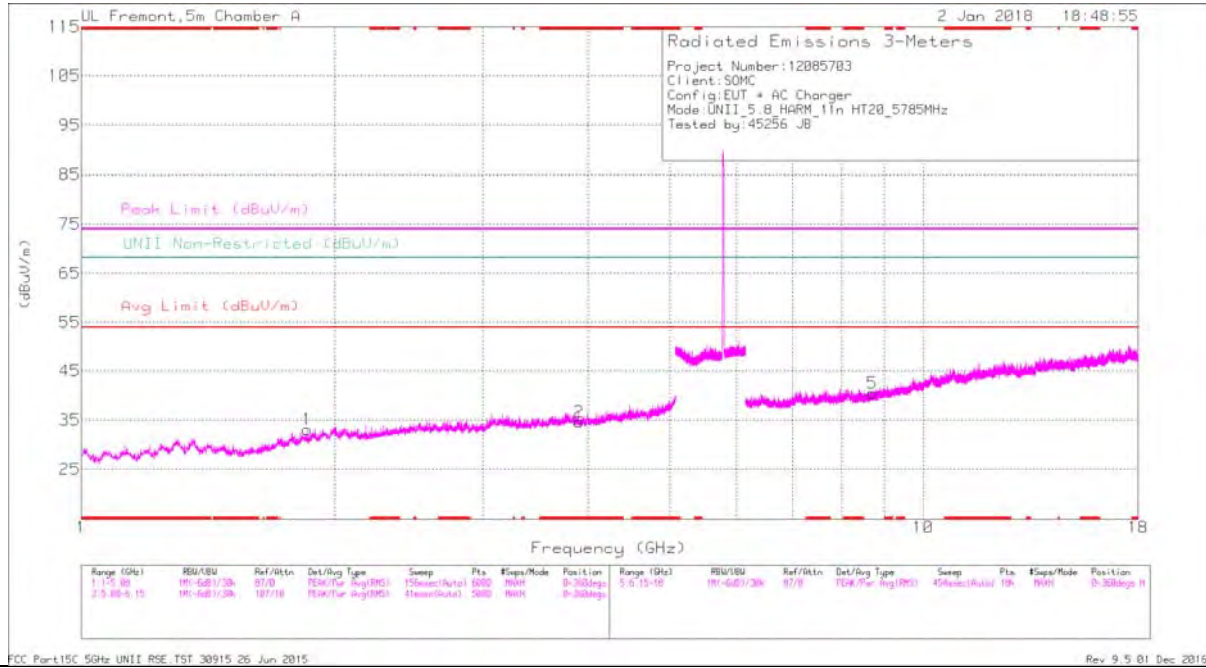
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.823	37.37	PK-U	33.1	-28	0	42.47	-	-	74	-31.53	-	-	98	181	H
	* 3.823	25.56	ADR	33.1	-28	.13	30.79	54	-23.21	-	-	-	-	98	181	H
4	* 3.924	37.13	PK-U	33.2	-28.7	0	41.63	-	-	74	-32.37	-	-	195	106	V
	* 3.925	25.71	ADR	33.2	-28.7	.13	30.34	54	-23.66	-	-	-	-	195	106	V
1	2.027	38.06	PK-U	31.4	-30.2	0	39.26	-	-	-	-	68.2	-28.94	173	135	H
3	2.043	38.15	PK-U	31.4	-30.1	0	39.45	-	-	-	-	68.2	-28.75	264	346	V
5	8.765	32.64	PK-U	36	-22.1	0	46.54	-	-	-	-	68.2	-21.66	119	103	H
6	8.765	33.25	PK-U	36	-22.1	0	47.15	-	-	-	-	68.2	-21.05	328	135	V

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

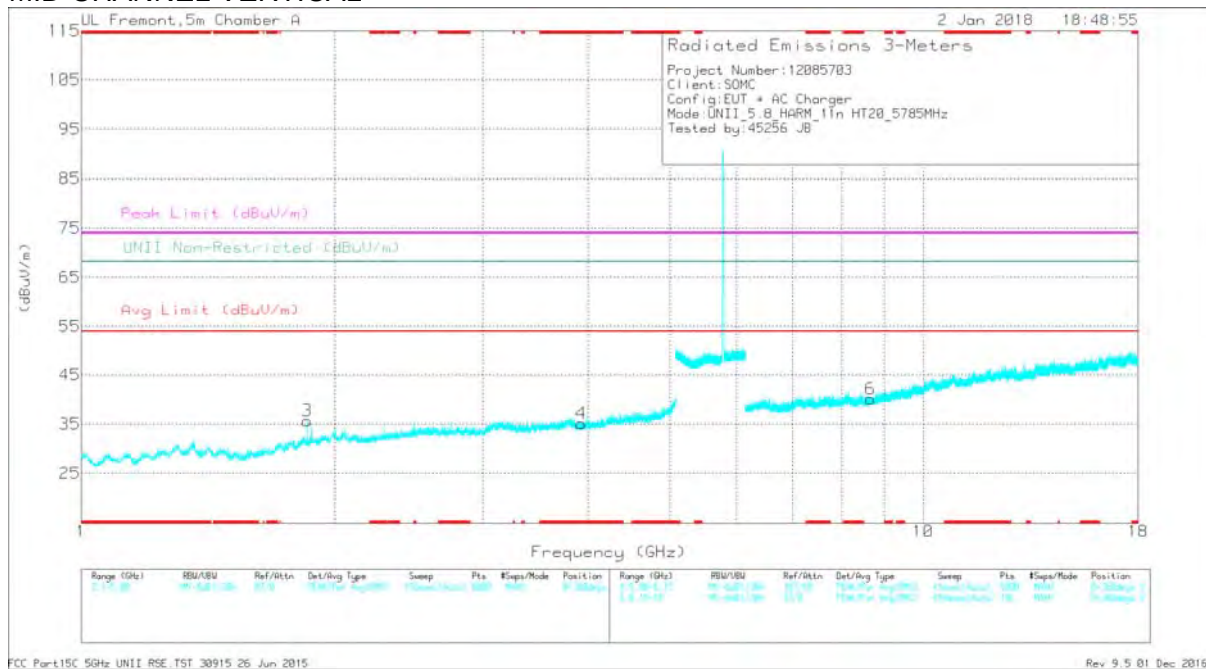
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Radiated Emissions

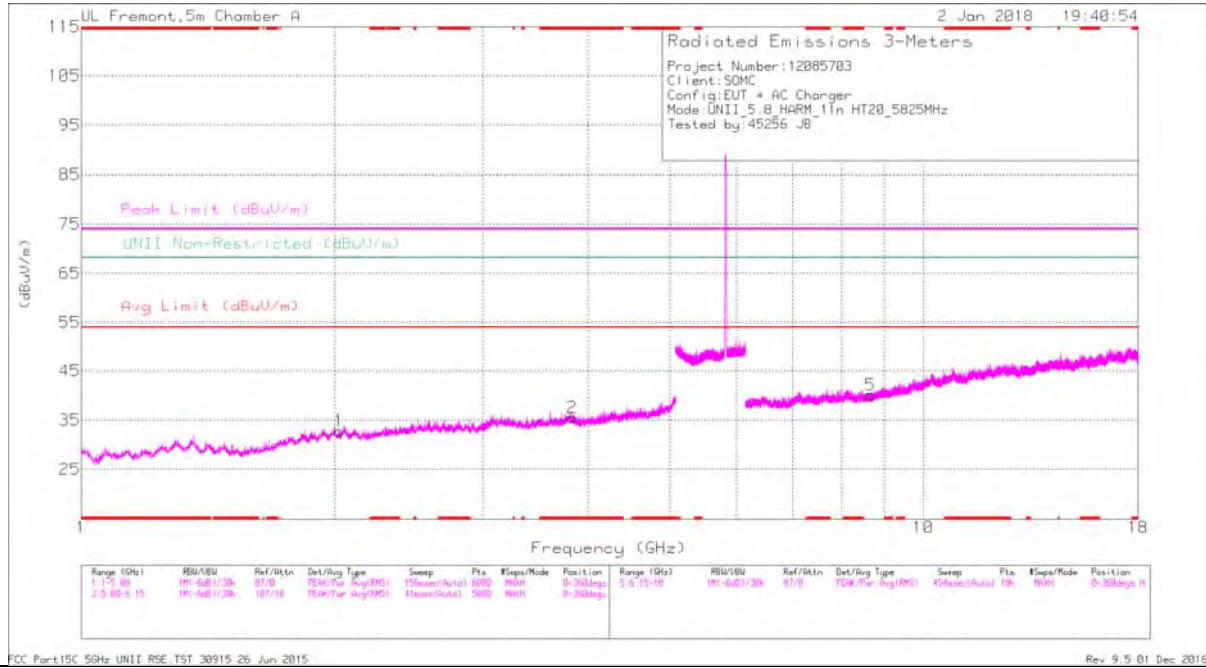
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.906	37.58	PK-U	33.1	-28.9	0	41.78	-	-	74	-32.22	-	-	250	360	H
	* 3.903	25.8	ADR	33.1	-28.9	.13	30.13	54	-23.87	-	-	-	-	250	360	H
4	* 3.928	36.92	PK-U	33.2	-28.7	0	41.42	-	-	74	-32.58	-	-	236	115	V
	* 3.926	25.64	ADR	33.2	-28.7	.13	30.27	54	-23.73	-	-	-	-	236	115	V
3	1.855	39.11	PK-U	30.9	-31.3	0	38.71	-	-	-	-	68.2	-29.49	143	214	V
1	1.856	40.09	PK-U	30.9	-31.3	0	39.69	-	-	-	-	68.2	-28.51	53	185	H
6	8.658	34.36	PK-U	35.9	-22.1	0	48.16	-	-	-	-	68.2	-20.04	295	224	V
5	8.703	32.62	PK-U	36	-22.1	0	46.52	-	-	-	-	68.2	-21.68	75	261	H

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

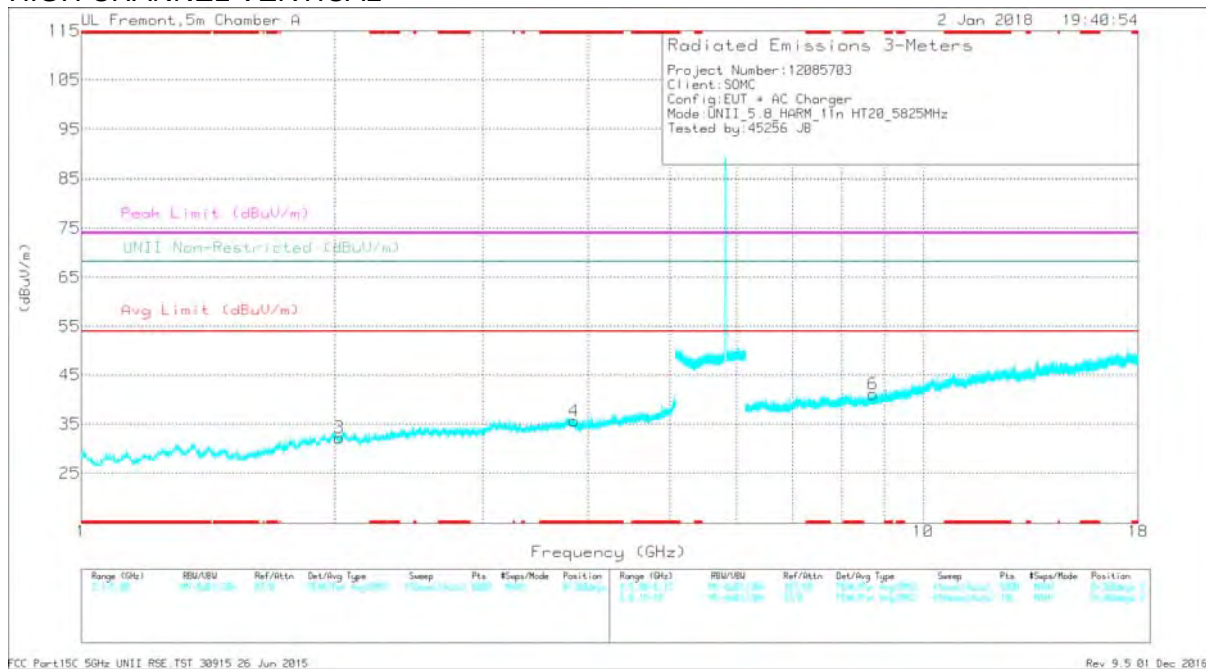
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.831	37.04	PK-U	33	-28	0	42.04	-	-	74	-31.96	-	-	53	143	H
	* 3.833	25.84	ADR	33	-28.1	.13	30.87	54	-23.13	-	-	-	-	53	143	H
4	* 3.851	37.51	PK-U	32.9	-28.2	0	42.21	-	-	74	-31.79	-	-	255	138	V
	* 3.851	25.78	ADR	33	-28.2	.13	30.71	54	-23.29	-	-	-	-	255	138	V
1	2.027	37.83	PK-U	31.4	-30.2	0	39.03	-	-	-	-	68.2	-29.17	210	164	H
3	2.028	37.68	PK-U	31.4	-30.2	0	38.88	-	-	-	-	68.2	-29.32	160	216	V
5	8.661	32.69	PK-U	35.9	-22.2	0	46.39	-	-	-	-	68.2	-21.81	184	208	H
6	8.721	33.01	PK-U	36	-22.2	0	46.81	-	-	-	-	68.2	-21.39	170	182	V

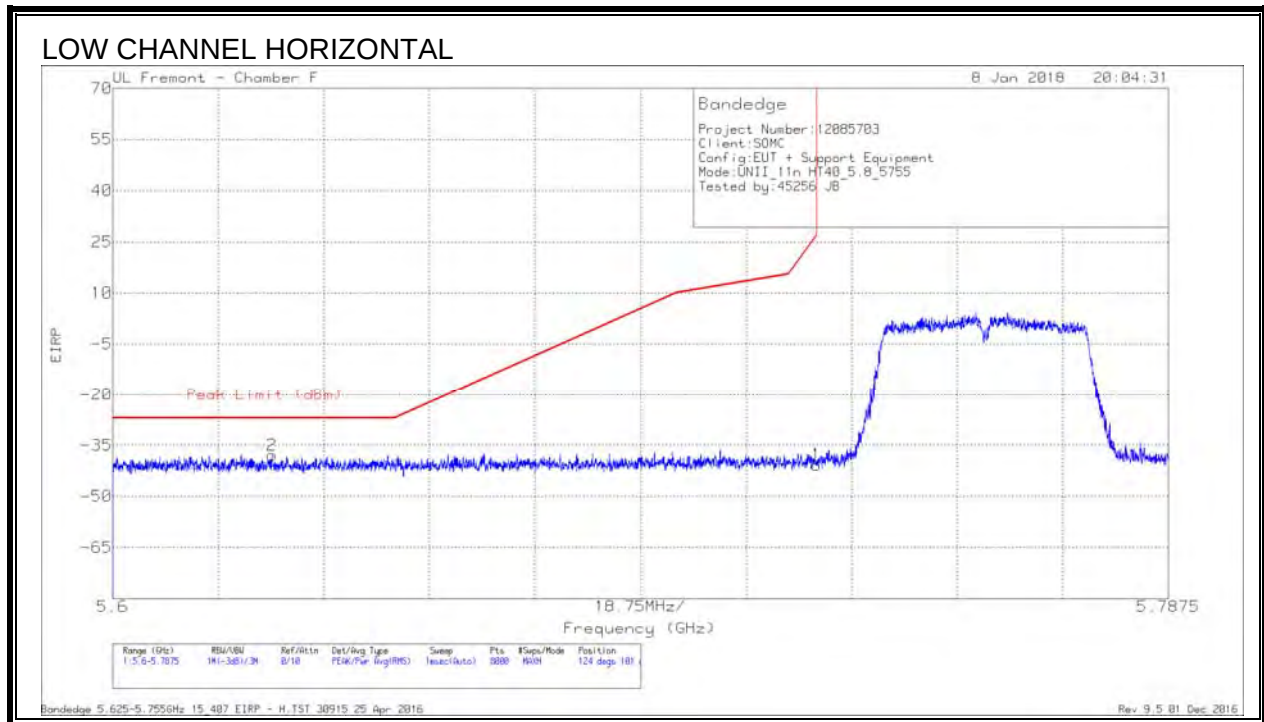
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.15. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

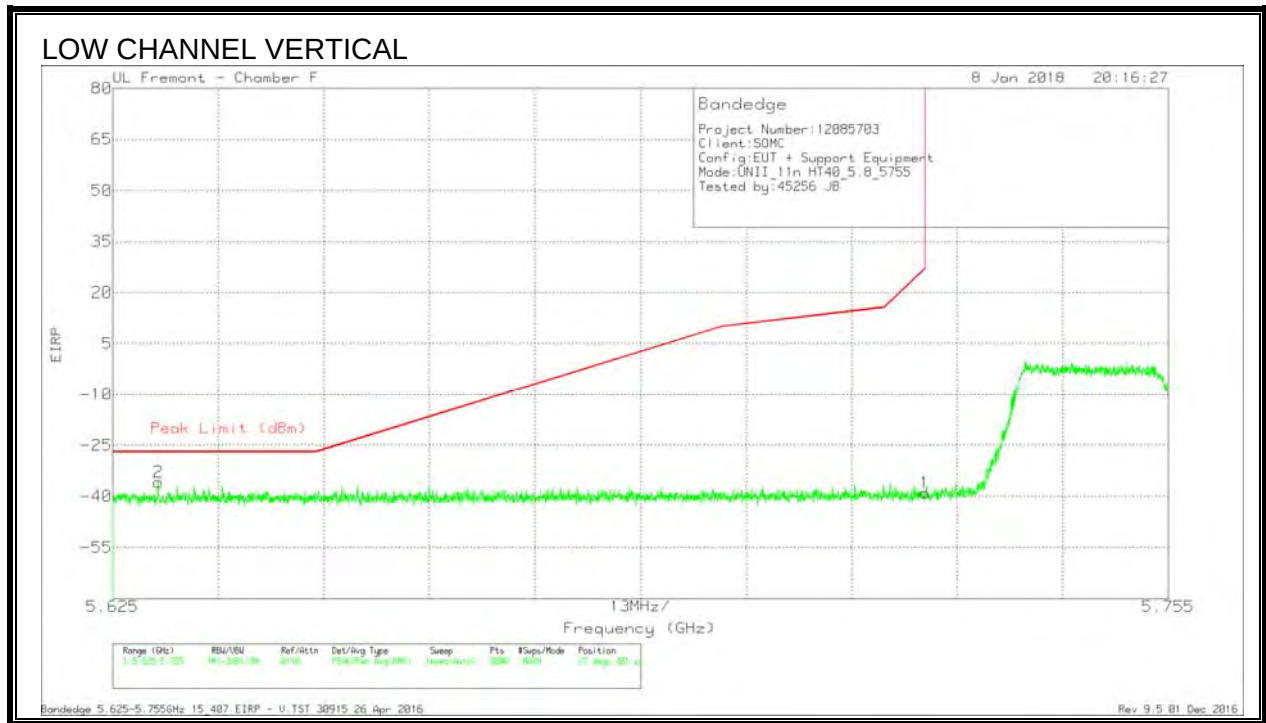
RESTRICTED BANDEGE (LOW CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-69.96	Pk	35	-17.6	11.8	0	-40.76	26.96	-67.72	124	101	H
2	5.628	-66.68	Pk	34.9	-17.9	11.8	0	-37.88	-27	-10.88	124	101	H

Pk - Peak detector

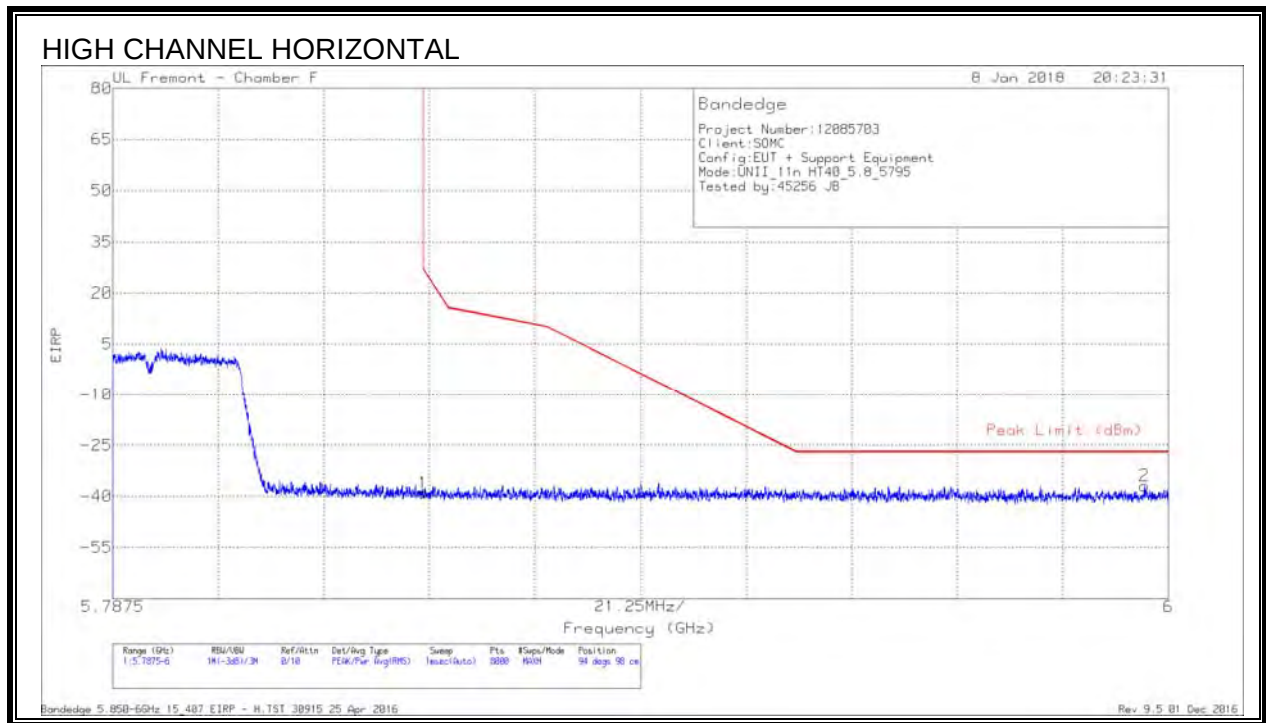


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.19	Pk	35	-17.6	11.8	0	-38.99	27	-65.99	27	401	V
2	5.631	-64.71	Pk	34.9	-17.8	11.8	0	-35.81	-27	-8.81	27	401	V

Pk - Peak detector

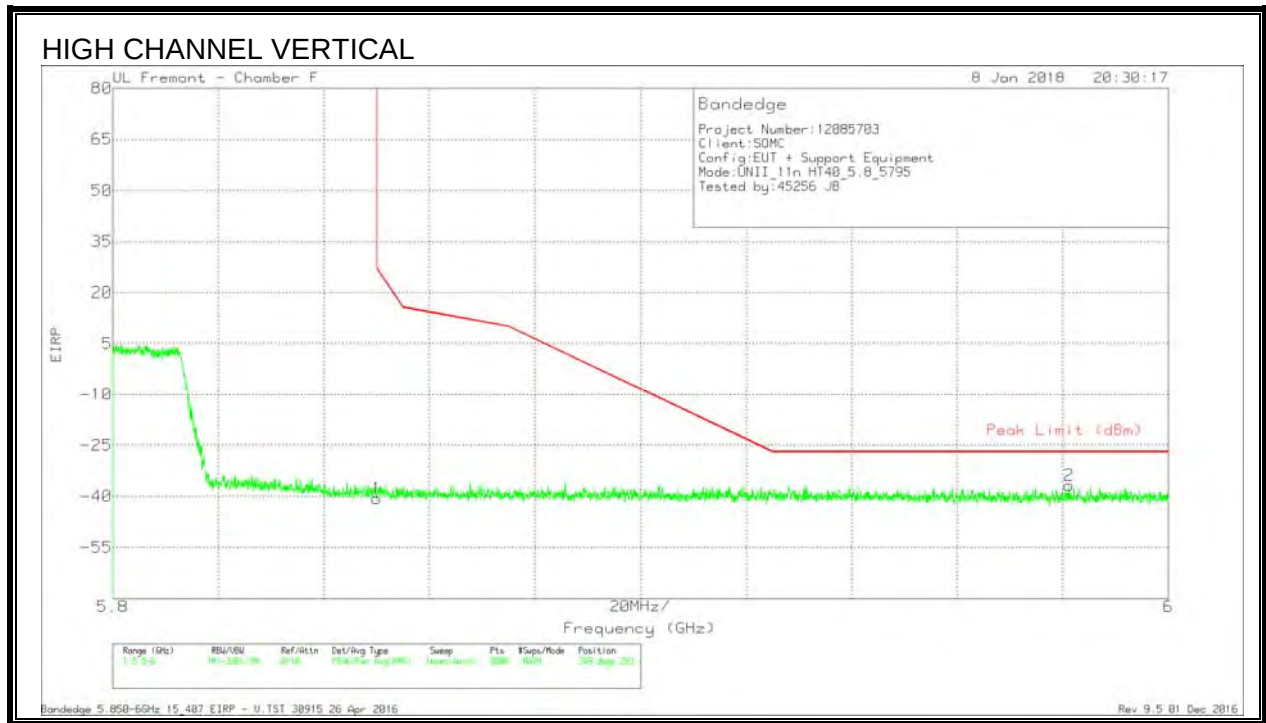
AUTHORIZED BANDEGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.11	Pk	35.1	-17.7	11.8	0	-38.91	26.98	-65.89	94	98	H
2	5.995	-66.04	Pk	35.2	-17.8	11.8	0	-36.84	-27	-9.84	94	98	H

Pk - Peak detector

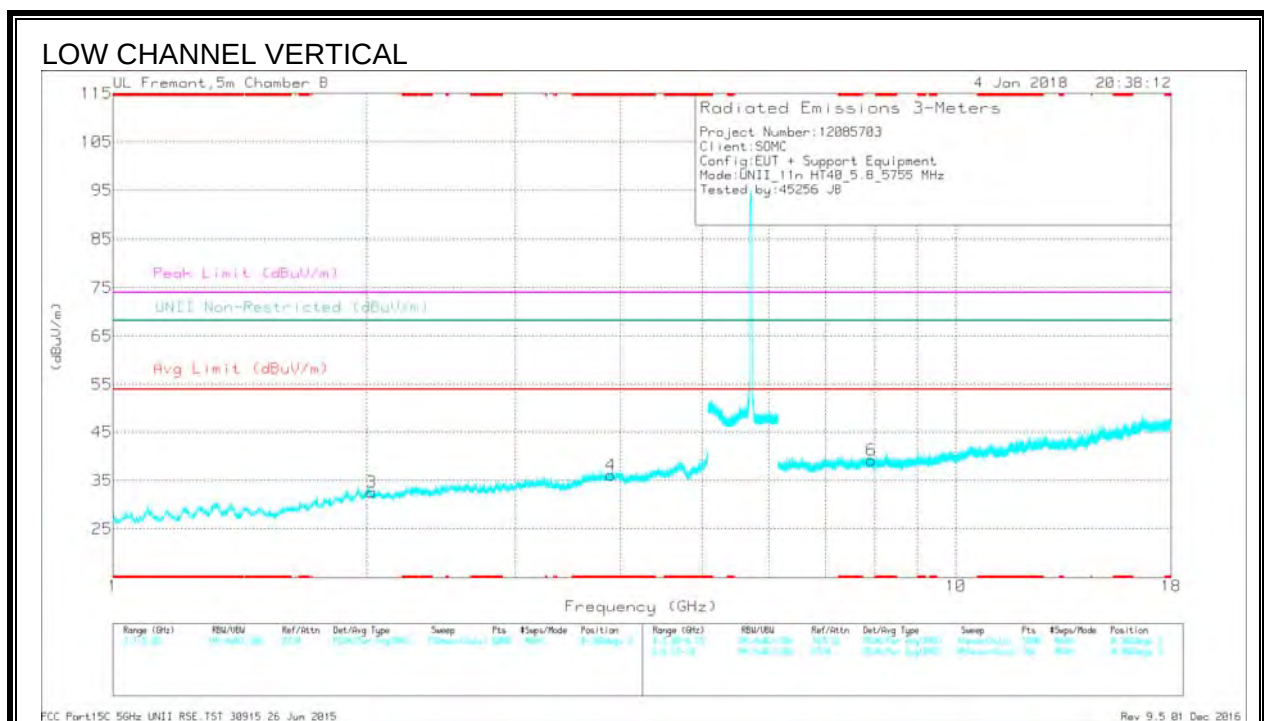
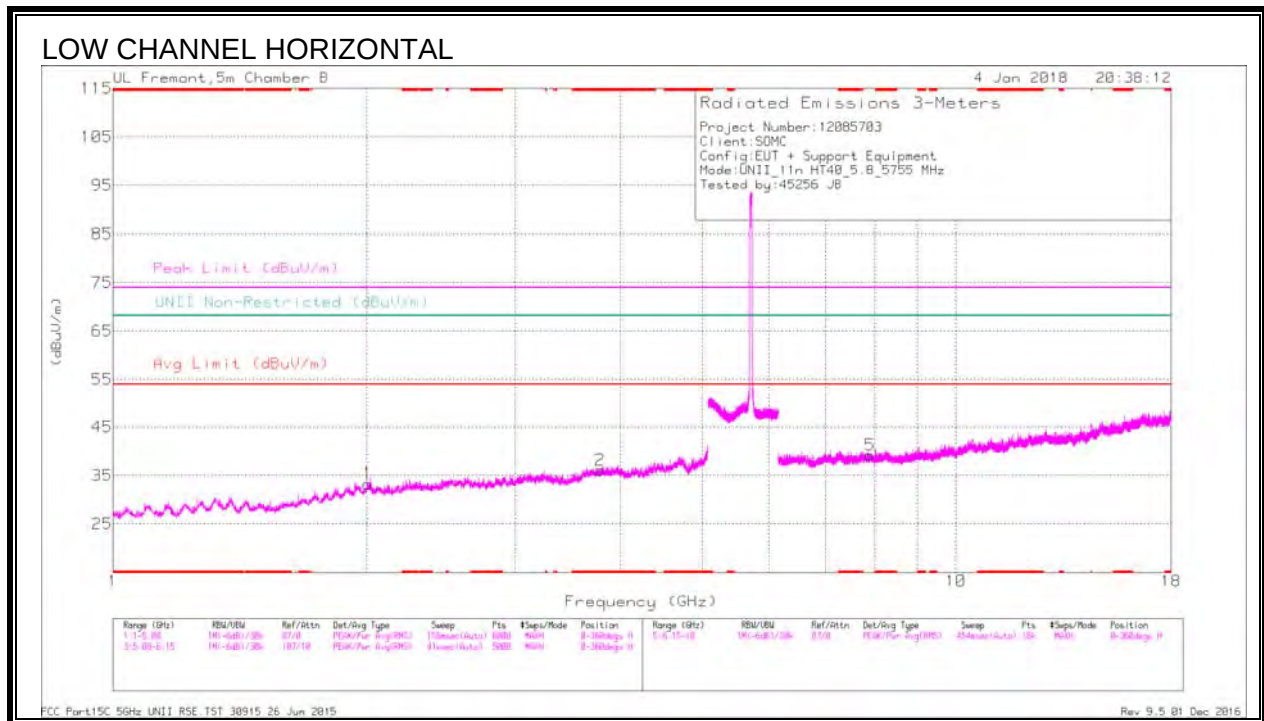


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.84	Pk	35.1	-17.7	11.8	0	-40.64	26.99	-67.63	349	283	V
2	5.981	-65.86	Pk	35.2	-17.9	11.8	0	-36.76	-27	-9.76	349	283	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

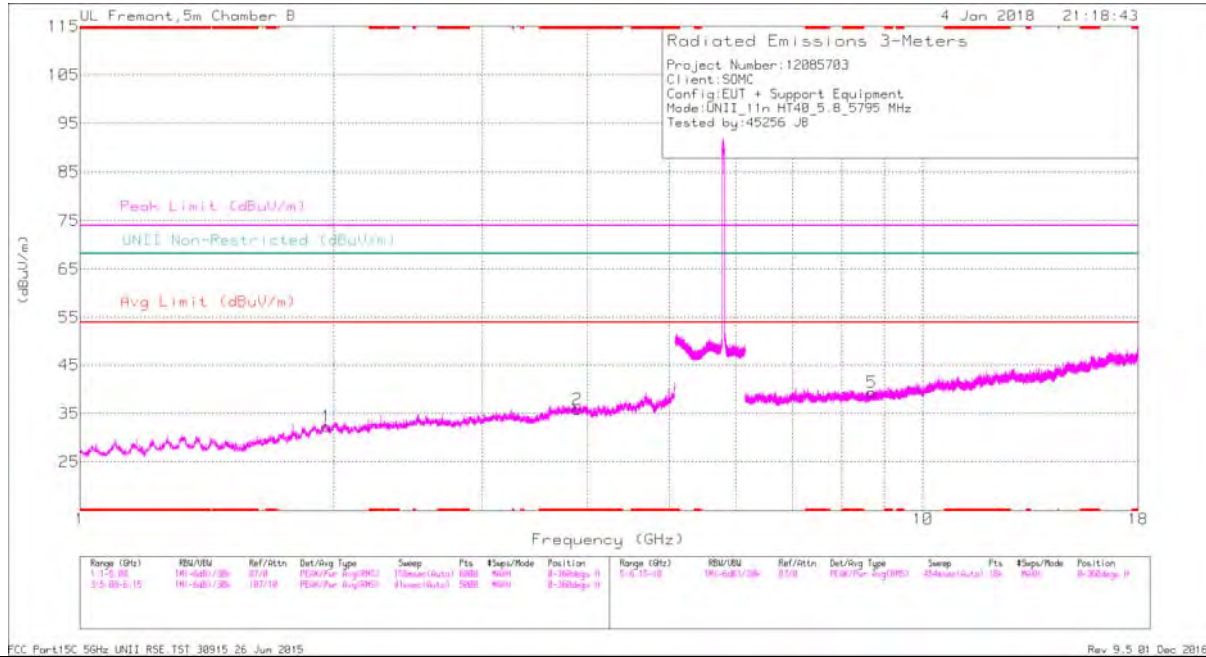
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.785	40.66	PK-U	33.5	-31.5	0	42.66	-	-	74	-31.34	-	-	288	188	H
	* 3.787	28.69	ADR	33.5	-31.6	.51	31.1	54	-22.9	-	-	-	-	288	188	H
4	* 3.897	41.21	PK-U	33.5	-31.3	0	43.41	-	-	74	-30.59	-	-	346	287	V
	* 3.898	28.86	ADR	33.5	-31.2	.51	31.67	54	-22.33	-	-	-	-	346	287	V
1	2.007	41.06	PK-U	31.3	-32.5	0	39.86	-	-	-	-	68.2	-28.34	270	392	H
3	2.027	40.67	PK-U	31.4	-32.7	0	39.37	-	-	-	-	68.2	-28.83	194	343	V
5	7.913	38.16	PK-U	36	-28	0	46.16	-	-	-	-	68.2	-22.04	357	264	H
6	7.938	37.87	PK-U	36	-28.1	0	45.77	-	-	-	-	68.2	-22.43	154	183	V

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

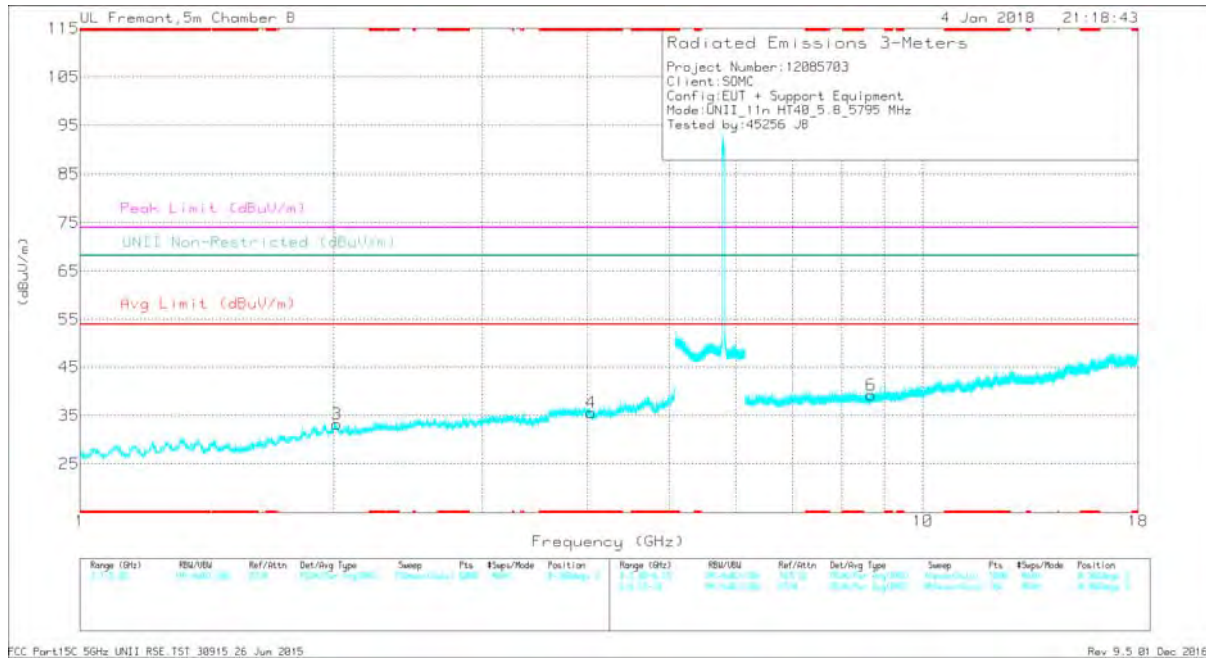
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.885	40.36	PK-U	33.5	-31.3	0	42.56	-	-	74	-31.44	-	-	154	334	H
	* 3.886	28.89	ADR	33.5	-31.3	.51	31.6	54	-22.4	-	-	-	-	154	334	H
4	* 4.04	40.2	PK-U	33.4	-31.4	0	42.2	-	-	74	-31.8	-	-	68	147	V
	* 4.038	28.33	ADR	33.4	-31.4	.51	30.84	54	-23.16	-	-	-	-	68	147	V
1	1.962	40.37	PK-U	31.1	-32.5	0	38.97	-	-	-	-	68.2	-29.23	348	365	H
3	2.014	41.24	PK-U	31.3	-32.7	0	39.84	-	-	-	-	68.2	-28.36	188	275	V
6	8.68	36.37	PK-U	36.1	-27.1	0	45.37	-	-	-	-	68.2	-22.83	132	115	V
5	8.693	36.46	PK-U	36.1	-26.7	0	45.86	-	-	-	-	68.2	-22.34	99	204	H

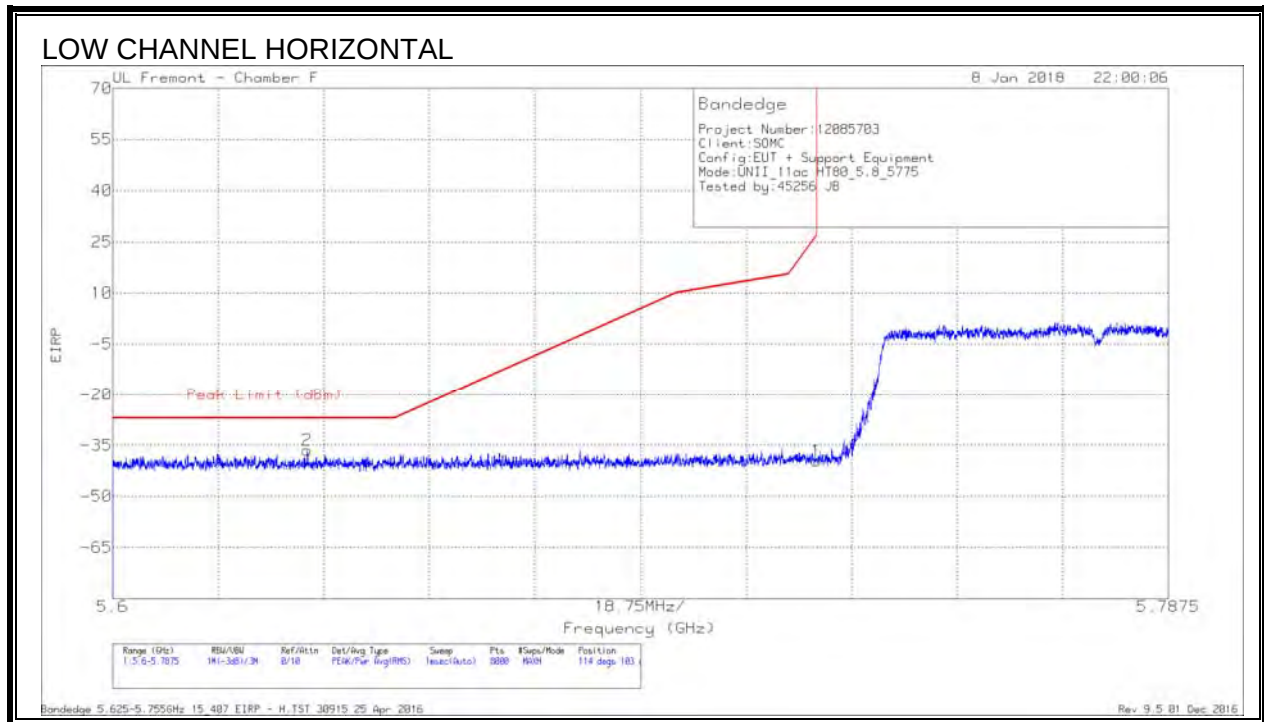
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

8.1.16. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

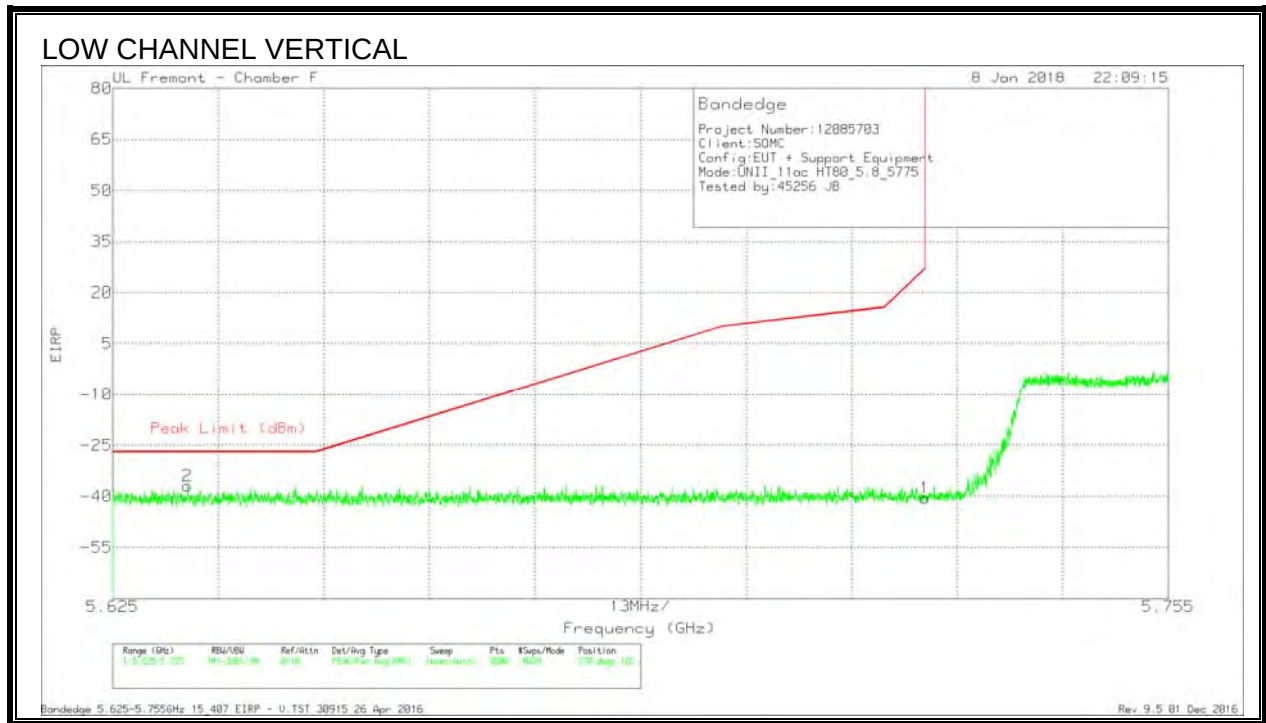
RESTRICTED BANDEDGE (LOW CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.79	Pk	35	-17.6	11.8	0	-39.59	26.96	-66.55	114	103	H
2	5.635	-65.37	Pk	34.9	-17.8	11.8	0	-36.47	-27	-9.47	114	103	H

Pk - Peak detector

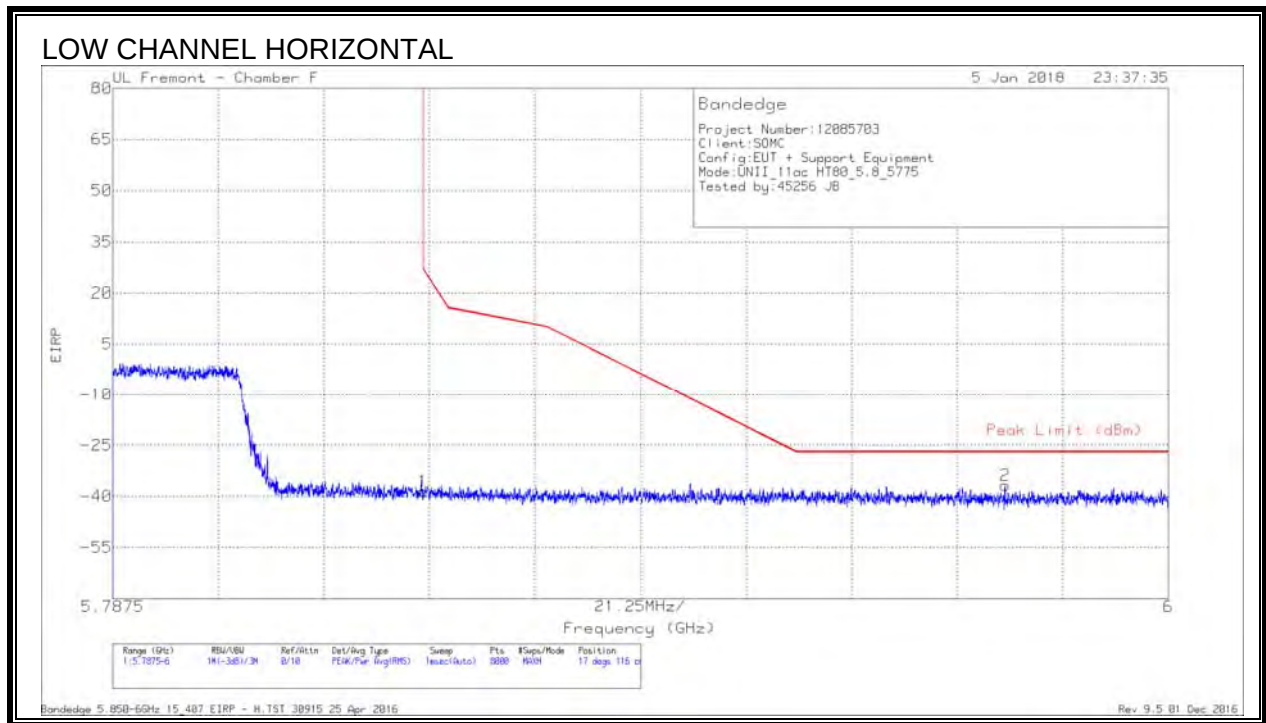


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-69.55	Pk	35	-17.6	11.8	0	-40.35	27	-67.35	270	102	V
2	5.634	-65.79	Pk	34.9	-17.8	11.8	0	-36.89	-27	-9.89	270	102	V

Pk - Peak detector

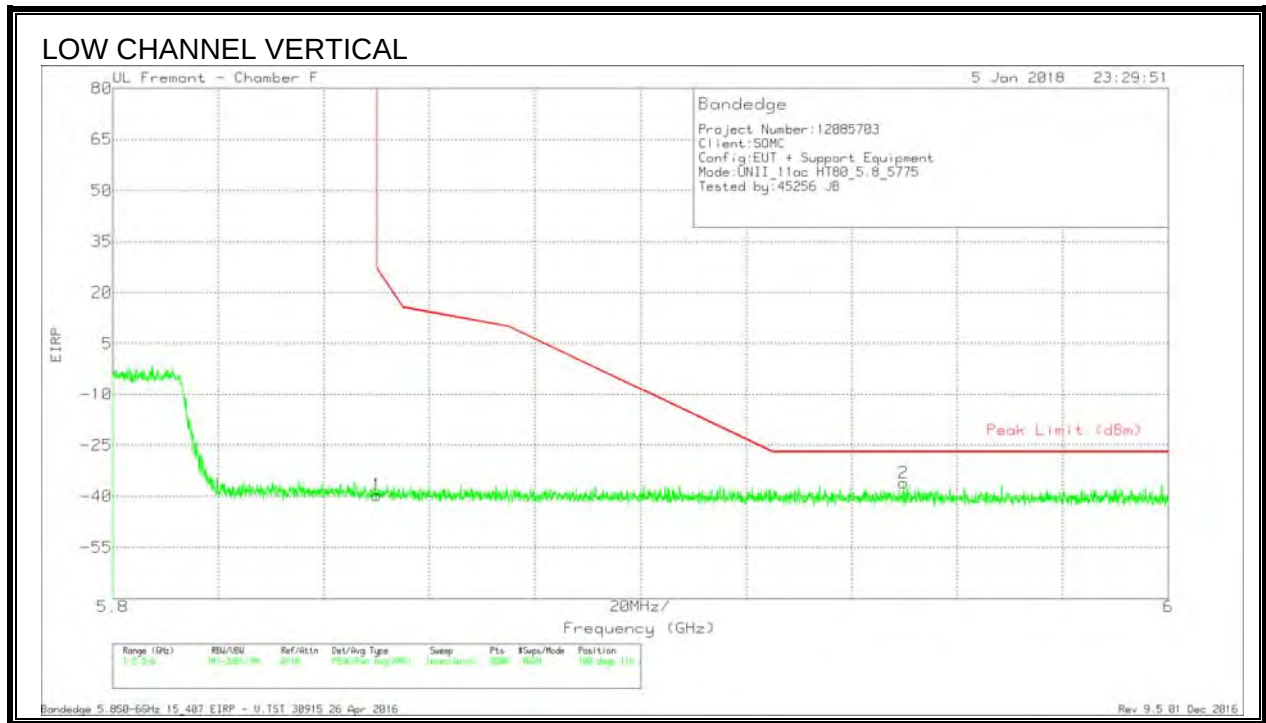
AUTHORIZED BANDEGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.83	Pk	35.1	-17.7	11.8	0	-38.63	26.98	-65.61	17	116	H
2	5.967	-65.78	Pk	35.2	-18	11.8	0	-36.78	-27	-9.78	17	116	H

Pk - Peak detector

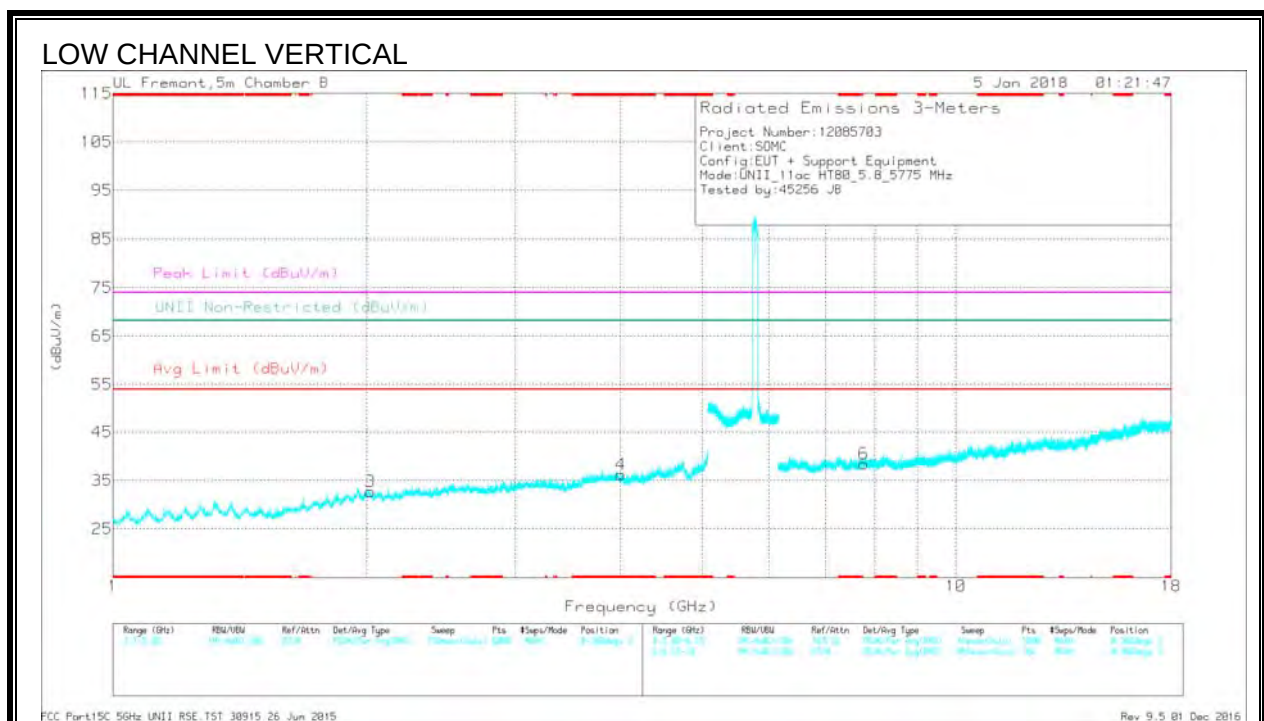
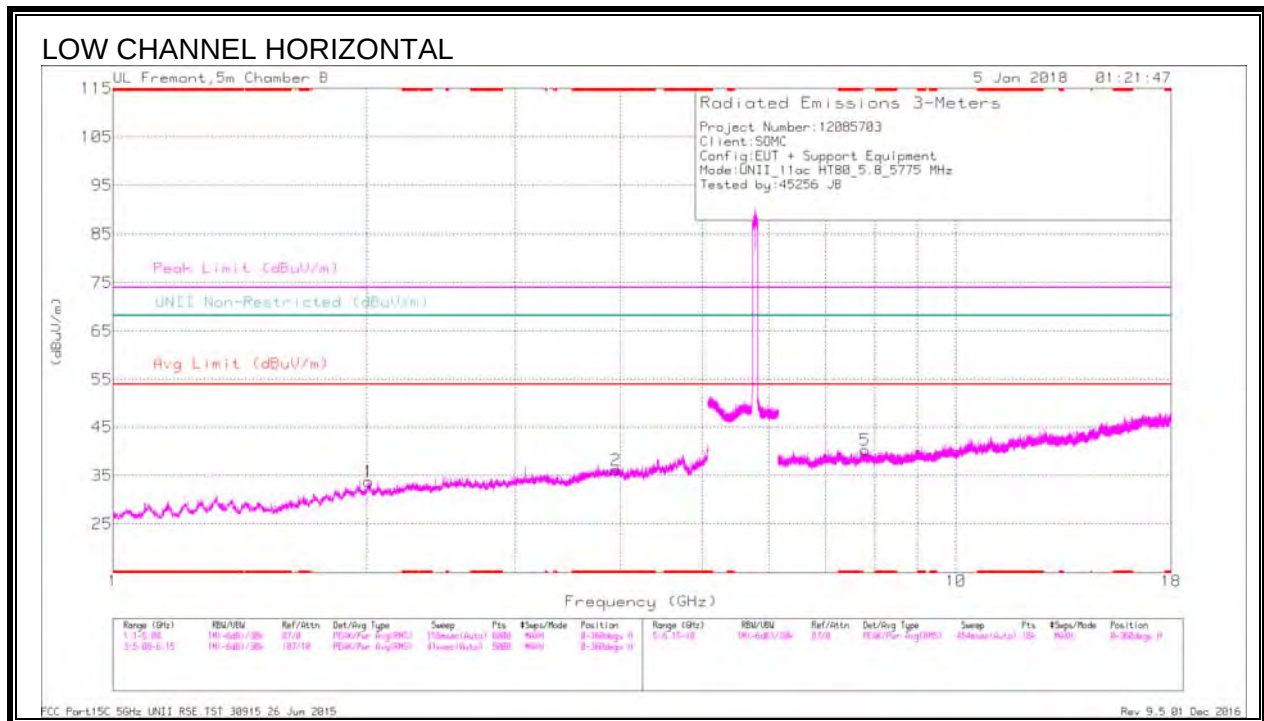


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.8	Pk	35.1	-17.7	11.8	0	-39.6	26.99	-66.59	100	116	V
2	5.95	-65	Pk	35.2	-18	11.8	0	-36	-27	-9	100	116	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.95	39.9	PK-U	33.5	-30.5	0	42.9	-	-	74	-31.1	-	-	121	344	H
	* 3.952	28.64	ADR	33.5	-30.5	.8	32.44	54	-21.56	-	-	-	-	121	344	H
4	* 4.009	40.3	PK-U	33.5	-30.5	0	43.3	-	-	74	-30.7	-	-	170	377	V
	* 4.007	28.1	ADR	33.5	-30.4	.8	32	54	-22	-	-	-	-	170	377	V
1	2.011	40.71	PK-U	31.3	-32.6	0	39.41	-	-	-	-	68.2	-28.79	73	258	H
3	2.02	41.02	PK-U	31.3	-32.6	0	39.72	-	-	-	-	68.2	-28.48	339	351	V
6	7.775	37.07	PK-U	36	-28	0	45.07	-	-	-	-	68.2	-23.13	314	210	V
5	7.799	38.27	PK-U	36	-27.8	0	46.47	-	-	-	-	68.2	-21.73	54	378	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

APPENDIX A

PY7-00718V SPOT CHECK RESULTS									
Technology	Test Item	Channel	Measured Frequency	PY7-21831A		PY7-00718V		Delta (dB)	
				Peak	Ave	Peak	Ave	Peak	Ave
BT	RBE	1	2439MHz	44.81	34.38	47.08	35.44	-2.27	-1.06
	RSE	39	2759MHz	51.47	38.14	49.51	36.11	1.96	2.03
Note: GFSK is the worst mode									
BLE	RBE	19	2484MHz	52.26	39.02	51.2	40.04	1.06	-1.02
	RSE	19	8141MHz	47.64	38.28	48.06	39.42	-0.42	-1.14
Note:									
DTS	RBE	13	2390MHz	63.44	48.83	66.35	51.39	-2.91	-2.56
	RSE	11	1076.5MHz	51.62	40.66	48.7	38.14	2.92	2.52
Note: 802.11n HT20 is the worst mode									
UNII	RBE	36	5150MHz	57.36	45.37	53.13	46.85	-4.23	1.48
	RSE	36	11679MHz	48.48	36.27	48.26	36.07	-0.22	-0.2
Note: 802.11a HT20 is the worst mode									
NFC	Fundamental	N/A	13.56 MHz	19.49		13.14		-6.35	
Note: Fundamental is the worst case									
Part15B	RSE	N/A	398.62MHz	42.09		30.7		-11.39	
Note: Below 1GHz is the worst case									

END OF REPORT