C2PC CERTIFICATION TEST REPORT

Report Number. : 12247888-E5V2

Applicant	:	SONY MOBILE COMMUNICATIONS, INC. 4-12-3 HIGASHI-SHINAGAWA, SHINAGAWA -KU, TOKYO, 140-0002, JAPAN
FCC ID	:	PY7-72474U
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:
May 10, 2018

Prepared by:
UL Verification Services Inc.
47173 Benicia Street
Fremont, CA 94538, U.S.A.
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NVLAP LAB CODE 200065-0

REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	4/27/2018	Initial Issue	
V2	5/10/2018	Updated Section 5.5, 5.6 & 5.7	Kiya Kedida

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UL VERIFICATION SERVICES INC.
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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:	BH90009SAY& BH90001YB3 (RADIATED)
DATE TESTED:	APRIL 3 - 10, 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 the U.S. government.

Approved & Released For
UL Verification Services Inc. By:

Dan Coronia
CONSUMER TECHNOLOGY DIVISION
Operations Leader
UL Verification Services Inc.

Reviewed By:

Kiya Kedida
CONSUMER TECHNOLOGY DIVISION
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.

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. Chambers A through C are covered under ISED company address code 2324B with site numbers 2324B -1 through 2324B-3, respectively. Chambers D through H are covered under ISED Canada company address code 22541 with site numbers 22541 -1 through 22541-5, respectively.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://ts.nist.gov/standards/scopes/2000650.htm.

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:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

4.3. MEASUREMENT UNCERTAINTY

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%.

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5. EQUIPMENT UNDER TEST

5.1. EUT DESCRIPTION

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

5.2. DESCRIPTION OF CLASS II PERMISSIVE CHANGE

1. Change in Antenna gain for WLAN 5GHz Chain 0.
2. Adding VoIP HAC-T.

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes Loop Type antennas, with the following maximum gains:

Frequency (GHz)	Peak Antenna Gain (dBi)	
	Main (Chain 0)	Sub (Chain 1)
5180-5320	-2.1	-4.3
5500-5700	-0.8	-5.4
5725-5850	-1.4	-5.1

5.4. SOFTWARE AND FIRMWARE

The firmware installed in the EUT during testing was SONY, s_atp_1_00139_B_10_5.
The test utility software used during testing was Tera Term Ver 4.79.

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5.5. LIST OF TEST REDUCTION AND MODES

Antenna port & Radiated Testing	
Mode	**Covered by**
802.11a Legacy	802.11a 2TX CDD
802.11HT20 2TX STBC	802.11n HT20 2TX CDD
802.11ac VHT20 2TX STBC	802.11n HT20 2TX CDD
802.11n HT40 2TX STBC	802.11n HT40 2TX CDD
802.11ac VHT40 2TX STBC	802.11n HT40 2TX CDD
802.11ac VHT80 2TX STBC	802.11n VHT80 2TX CDD

5.6. WORST-CASE CONFIGURATION AND MODE

Radiated emissions 1GHz to 18GHz were performed with the EUT set to transmit at low, middle and high channels.Radiated emissions below 30MHz, 1GHz and above 18GHz were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

The fundamental of the EUT was investigated in three orthogonal orientations X, Y, & Z, and it was determined that Y-Axis with AC/DC Adapter was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Y-Axis with AC/DC Adapter orientation.

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

802.11a mode: 6 Mbps
802.11n HT20 mode: 13 Mbps (MCS0)
802.11n HT40 mode: 27 Mbps (MCS0)
802.11ac VHT80 mode: 58.5 Mbps (MCS0)

802.11ac VHT20 and VHT40 mode are different from 802.11nHT20 and HT40 only in control messages and have the same power settings.

The simultaneous mode (SISO 2.4GHz Chain 0 and 5GHz chain 1) was checked and stand-alone (MIMO) 2.4 GHz / 5GHz remain worst case.

NOTE: SISO mode is covered by MIMO mode due to same maximum tune-up limit (power).

5.7. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

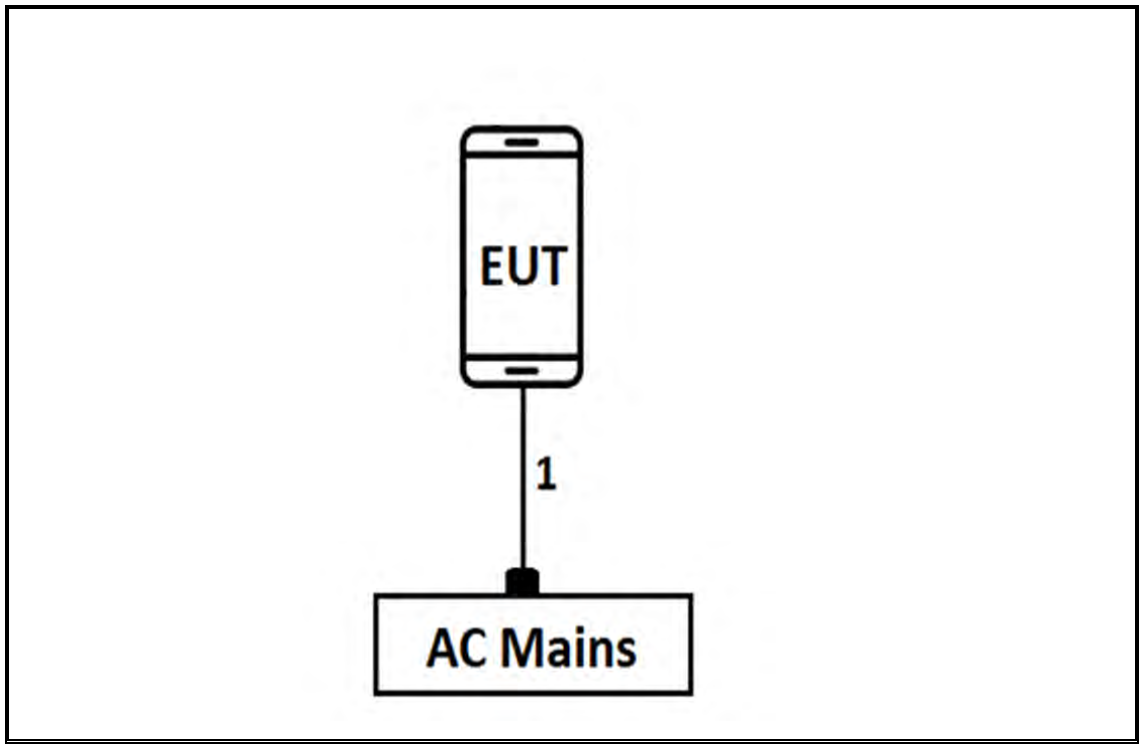
Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Laptop	Lenovo	20B7S0A200	PC015REW	NA
AC Adapter	SONY	UCH12	4016W40310044	NA

I/O CABLES (RADIATED AND CONDUCTED EMISSIONS)

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB	1	USB	Shielded	3	N/A

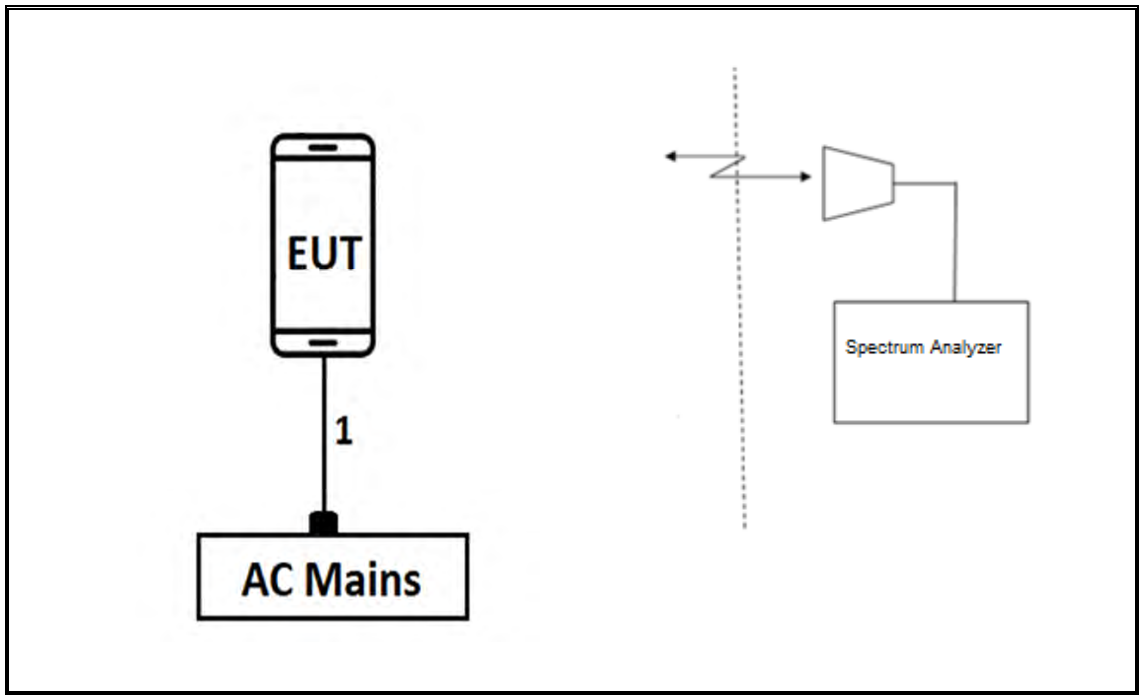
TEST SETUP

CONDUCTED EMISSIONS SETUP DIAGRAM



TEST SETUP

RADIATED EMISSIONS SETUP DIAGRAM



6. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST					
Description	**Manufacturer**	**Model**	**ID Num**	**Cal Due**	**Last Cal**
Amplifier, 1 - 18GHz	Miteq	AFS42-00101800-25-S-42	T931	02/24/2019	02/24/2018
Amplifier, 1 - 18GHz	Miteq	AFS42-00101800-25-S-42	T493	04/03/2019	04/03/2018
Amplifier, 1 - 18GHz	Miteq	AFS42-00101800-25-S-42	T1165	04/03/2019	04/03/2018
RF Preamplifier, 1 - 26GHz	Agilent	8449B	T404	07/23/2018	07/23/2017
Amplifier, 100KHz to 1GHz, 32dB	Agilent	8447D	T15	06/24/2018	06/24/2017
Antenna, Broadband Hybrid 30MHz to 2000MHz	Sunol Science	JB1	T130	10/16//2018	10/16/2017
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	T120	06/26/2018	06/26/2017
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	T863	06/09/2018	06/09/2017
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	T862	06/09/2018	06/09/2017
Antenna, Horn 18-26.5GHz	ARA	MWH-1826	T449	01/04/2019	01/04/2018
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	T906	02/16/2019	02/16/2018
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	T1210	07/17/2018	07/17/2017
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	T1454	01/08/2019	01/08/2018
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	T1113	12/21/2018	12/21/2017
Antenna, Active Loop 9kHz-30MHz	Com-Power Corp.	AL-130R	T1866	10/10/2018	10/10/2017

Test Software List			
Description	**Manufacturer**	**Model**	**Version**
Radiated Software	UL	UL EMC	Ver 9.5, Dec 1, 2016

NOTE: *testing is completed before equipment calibration expiration date.

7. MEASUREMENT METHOD

On Time and Duty Cycle: KDB 789033 D02 v02r01, Section B.

Unwanted emissions in restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, G.5, and G.6

Unwanted emissions in non-restricted bands: KDB 789033 D02 v02r01, Sections G.3, G.4, and G.5

AC Power Line Conducted Emissions: ANSI C63.10-2013, Section 6.2.

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8. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

8.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 789033 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
802.11a CDD	2.026	2.069	0.979	97.92%	0.09	0.494
802.11n HT20 CDD	2.504	2.576	0.972	97.20%	0.12	0.399
802.11n HT40 CDD	1.216	1.340	0.907	90.75%	0.42	0.822
802.11ac VHT80 CDD	1.104	1.220	0.905	90.49%	0.43	0.906

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DUTY CYCLE PLOTS

DUTY CYCLE 802.11a CDD MODE

DUTY CYCLE 802.11n HT20 CDD MODE

DUTY CYCLE 802.11n HT40 CDD MODE

DUTY CYCLE 802.11ac VHT80 CDD MODE

9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

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

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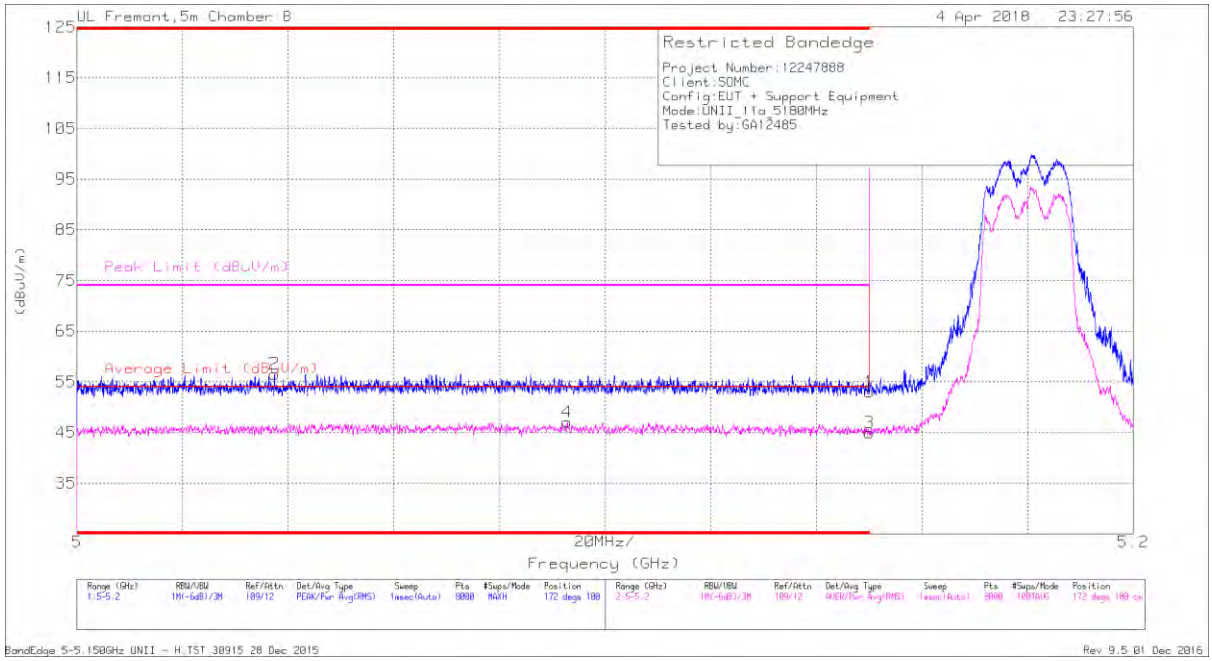
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11a 2TX CDD MODE IN THE 5.2 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

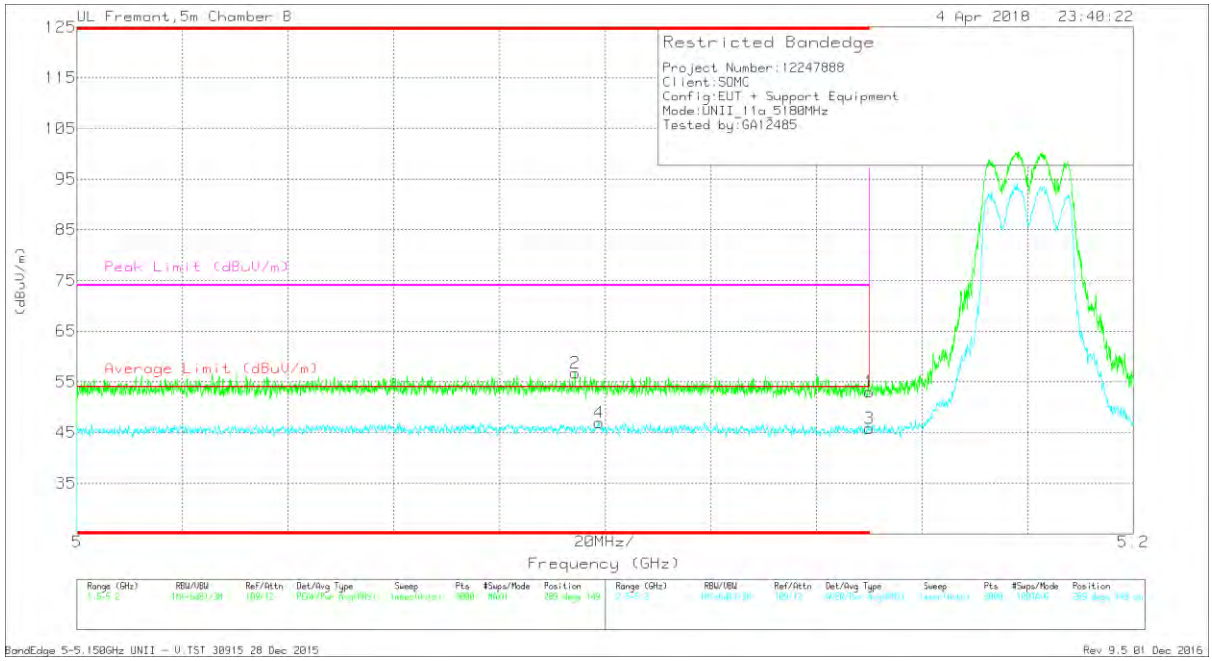


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/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	37.09	Pk	34.4	-18.5	0	52.99	-	-	74	-21.01	172	180	H
2	* 5.037	40.56	Pk	34.4	-18.4	0	56.56	-	-	74	-17.44	172	180	H
3	* 5.15	28.91	RMS	34.4	-18.5	.09	44.9	54	-9.1	-	-	172	180	H
4	* 5.093	30.75	RMS	34.3	-18.1	.09	47.04	54	-6.96	-	-	172	180	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



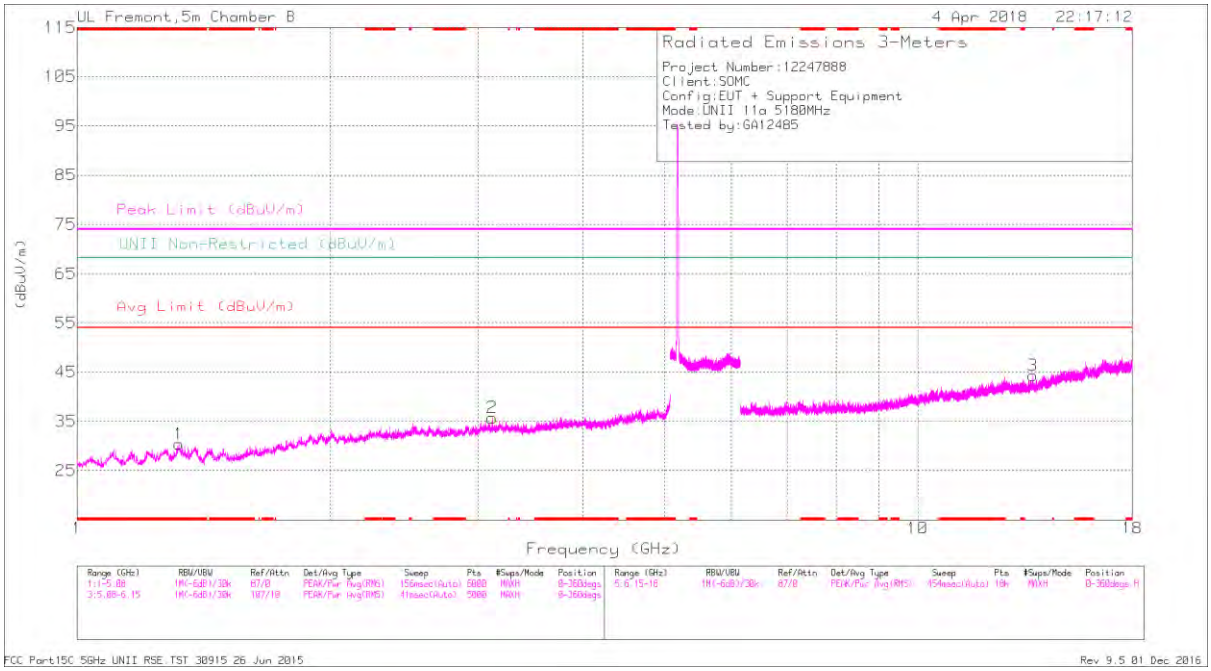
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/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	37.18	Pk	34.4	-18.5	0	53.08	-	-	74	-20.92	289	149	V
2	* 5.094	40.61	Pk	34.3	-18.2	0	56.71	-	-	74	-17.29	289	149	V
3	* 5.15	29.83	RMS	34.4	-18.5	.09	45.82	54	-8.18	-	-	289	149	V
4	* 5.099	30.76	RMS	34.3	-18.2	.09	46.95	54	-7.05	-	-	289	149	V

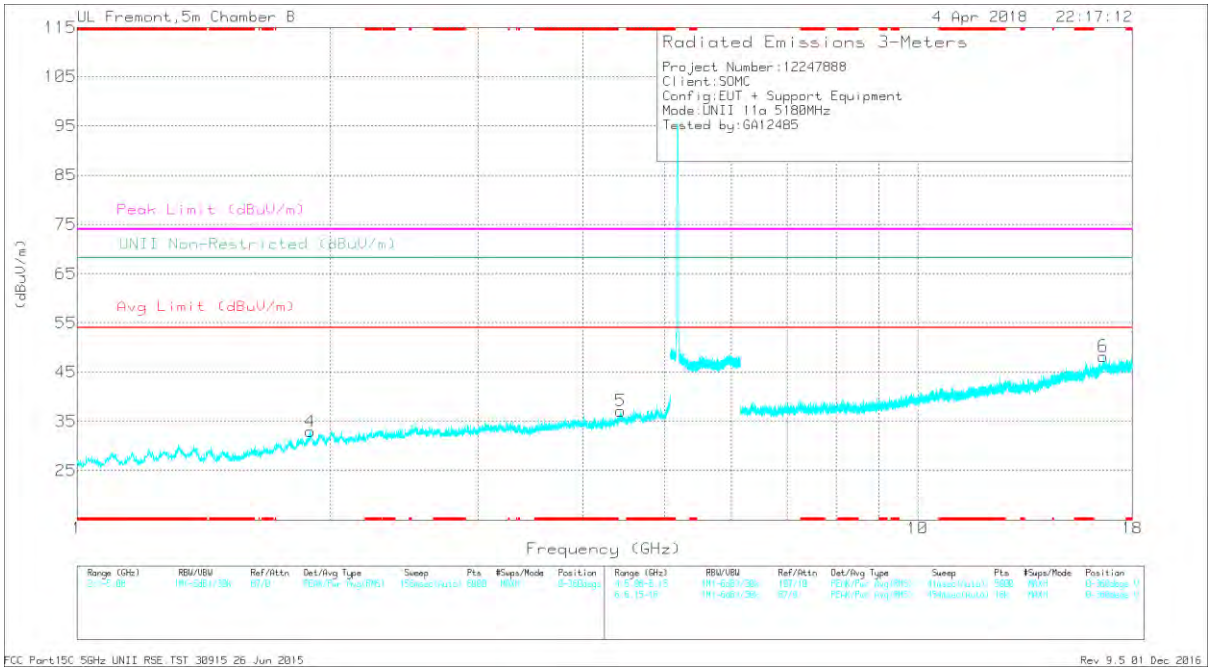
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



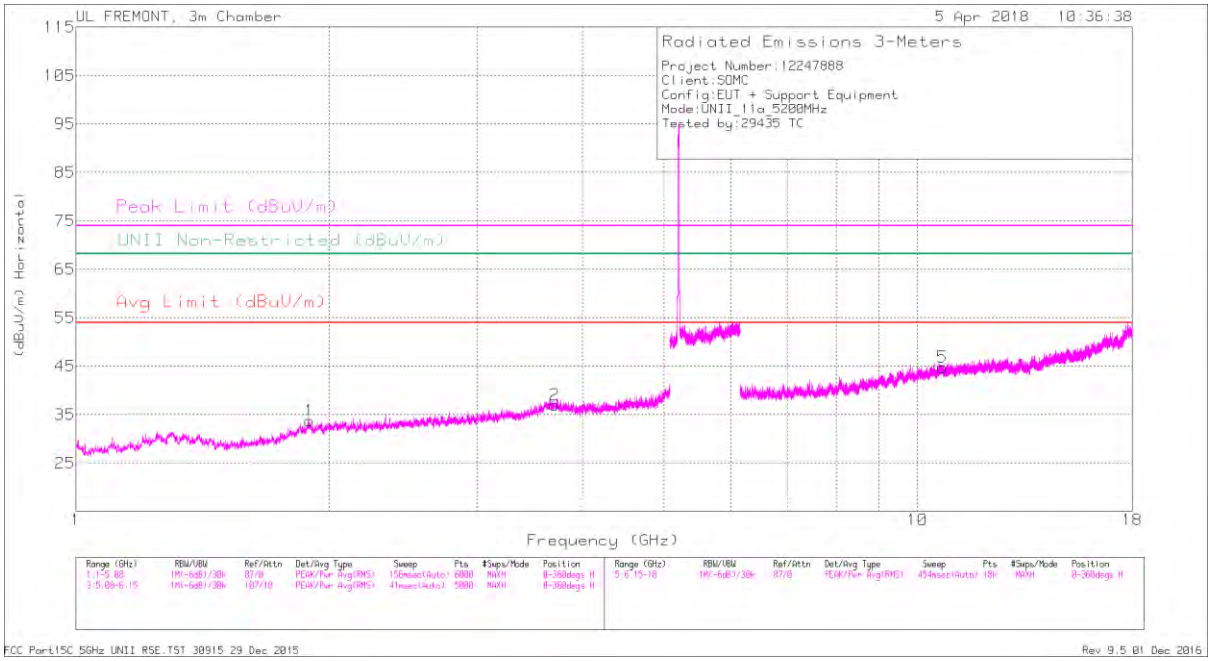
VERTICAL

RADIATED EMISSIONS

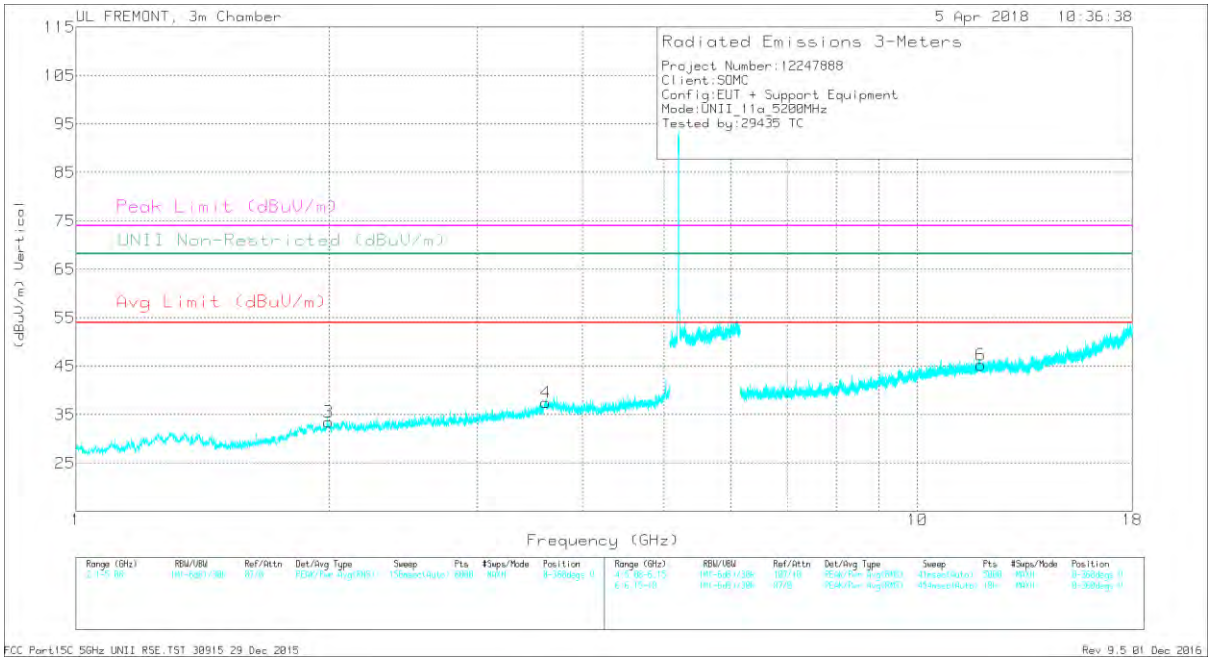
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.323	42.12	PK-U	28.9	-34.3	0	36.72	-	-	74	-37.28	-	-	78	400	H
	* 1.323	30.06	ADR	28.9	-34.3	.09	24.75	54	-29.25	-	-	-	-	78	400	H
4	1.895	41.44	PK-U	30.9	-33.3	0	39.04	-	-	-	-	68.2	-29.16	211	147	V
2	3.116	40.48	PK-U	33.2	-32.6	0	41.08	-	-	-	-	68.2	-27.12	311	319	H
5	4.433	38.58	PK-U	33.8	-29.7	0	42.68	-	-	-	-	68.2	-25.52	281	282	V
3	13.713	33.76	PK-U	39.1	-23.3	0	49.56	-	-	-	-	68.2	-18.64	357	163	H
6	16.63	32.47	PK-U	42.1	-21	0	53.57	-	-	-	-	68.2	-14.63	297	179	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 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	32.66	Pk-U	31.4	-30.3	0	33.76	-	-	-	-	68.2	-34.44	121	200	H
3	1.996	32.7	Pk-U	31.8	-31	0	33.5	-	-	-	-	68.2	-34.7	75	200	V
4	3.618	39	PK-U	34.7	-28.8	0	44.9	-	-	74	-29.1	-	-	161	396	V
	3.621	27.37	ADR	34.6	-28.8	.09	33.26	54	-20.74	-	-	-	-	161	396	V
2	3.706	38.13	PK-U	34.1	-28.1	0	44.13	-	-	74	-29.87	-	-	43	286	H
	3.708	26.71	ADR	34.1	-28.2	.09	32.7	54	-21.3	-	-	-	-	43	286	H
5	10.704	34.85	PK-U	37.8	-21	0	51.65	-	-	74	-22.35	-	-	251	397	H
	10.704	22.87	ADR	37.8	-21	.09	39.76	54	-14.24	-	-	-	-	251	397	H
6	11.888	34.69	PK-U	39	-22	0	51.69	-	-	74	-22.31	-	-	276	173	V
	11.89	23.24	ADR	39	-22	.09	40.33	54	-13.67	-	-	-	-	276	173	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

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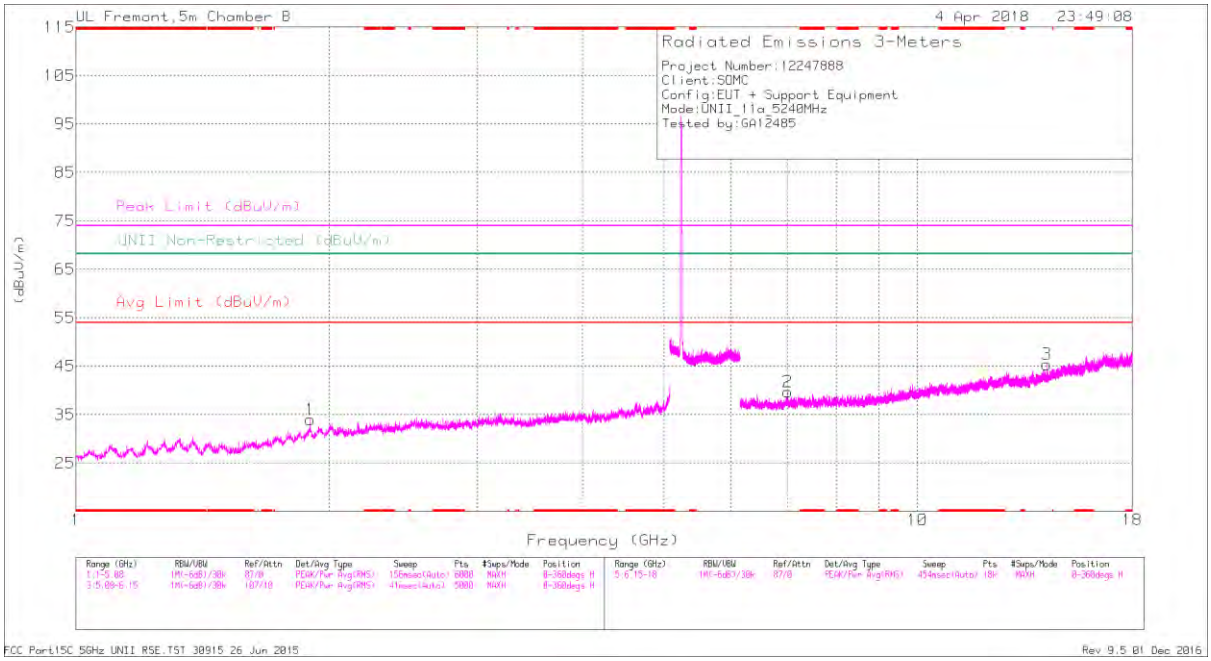
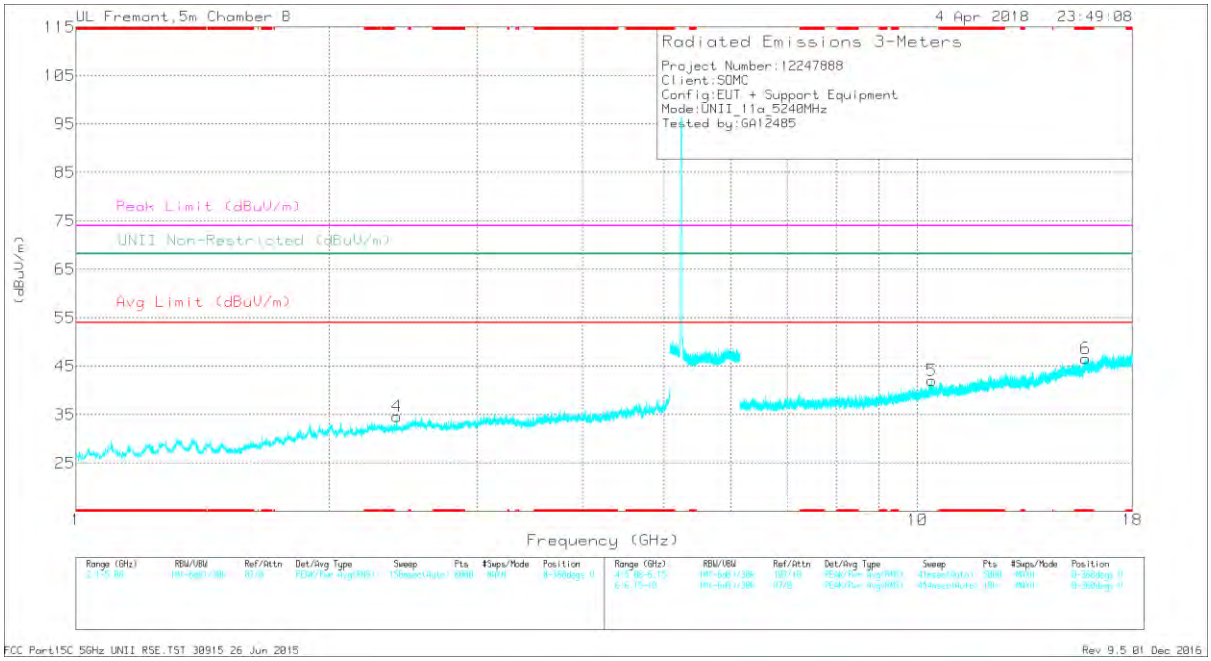
HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/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
6	* 15.852	32.45	PK-U	41	-20.4	0	53.05	-	-	74	-20.95	-	-	156	278	V
	* 15.852	20.77	ADR	41	-20.4	.09	41.46	54	-12.54	-	-	-	-	156	278	V
1	1.897	41.19	PK-U	30.9	-33.3	0	38.79	-	-	-	-	68.2	-29.41	303	246	H
4	2.404	40.87	PK-U	32	-33.2	0	39.67	-	-	-	-	68.2	-28.53	297	254	V
2	7.018	36.91	PK-U	35.9	-28.1	0	44.71	-	-	-	-	68.2	-23.49	245	191	H
5	10.395	33.92	PK-U	37.5	-24.2	0	47.22	-	-	-	-	68.2	-20.98	183	302	V
3	14.252	33.95	PK-U	39.5	-24	0	49.45	-	-	-	-	68.2	-18.75	264	219	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

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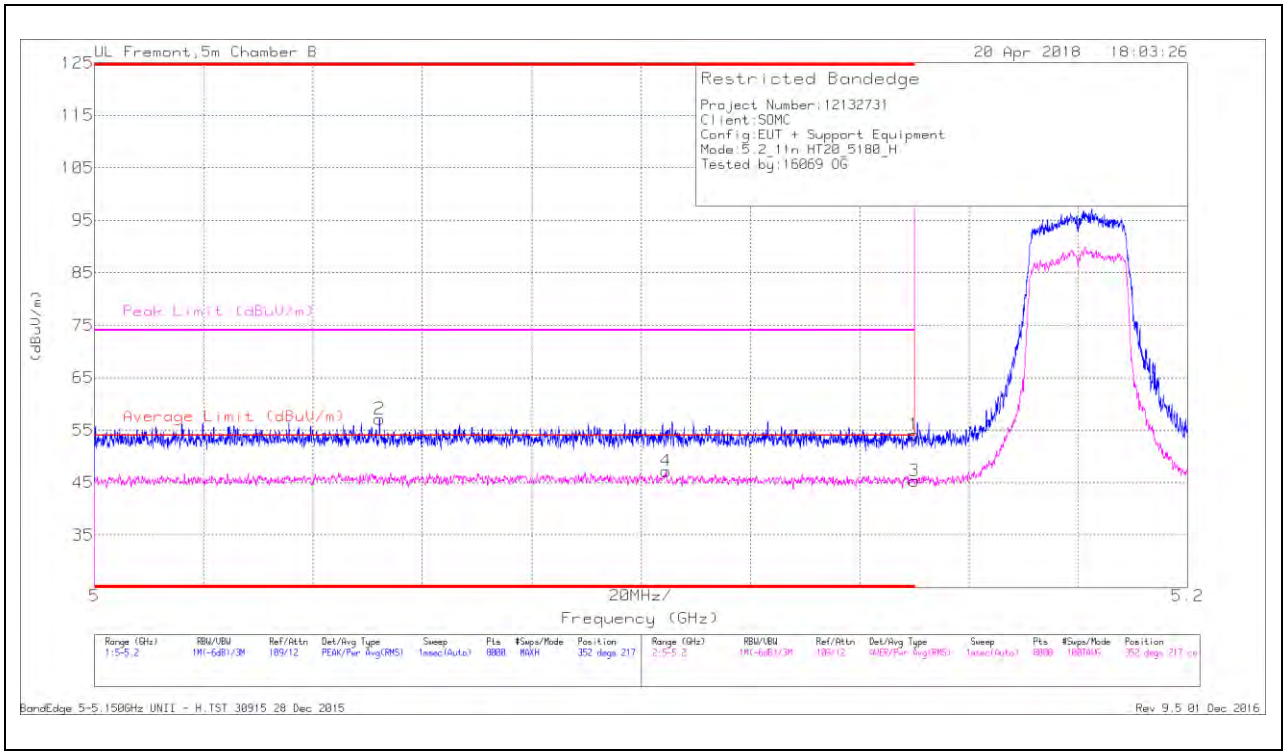
9.1.2. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 5.2 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

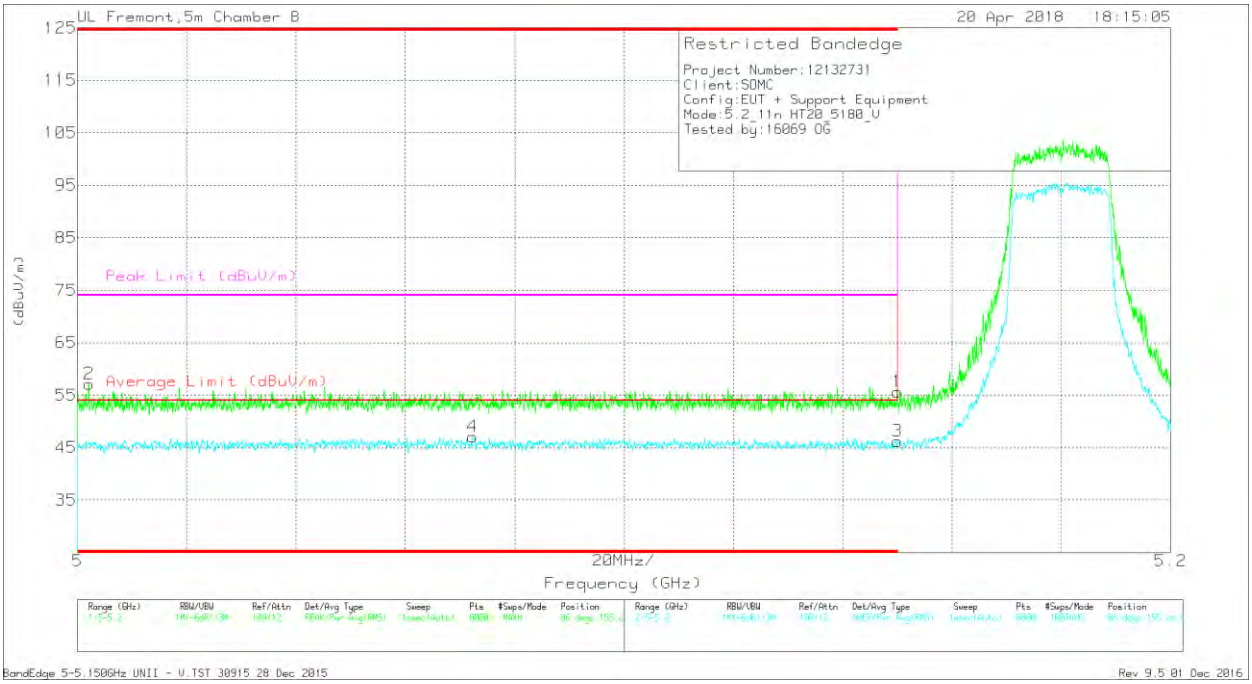


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	38.3	Pk	34.4	-18.1	0	54.6	-	-	74	-19.4	332	153	H
2	* 5.018	42.12	Pk	34.2	-14.9	0	61.42	-	-	74	-12.58	332	153	H
3	* 5.15	29.5	RMS	34.4	-18.1	.12	45.92	54	-8.08	-	-	332	153	H
4	* 5.019	32.32	RMS	34.2	-14.9	.12	51.74	54	-2.26	-	-	332	153	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



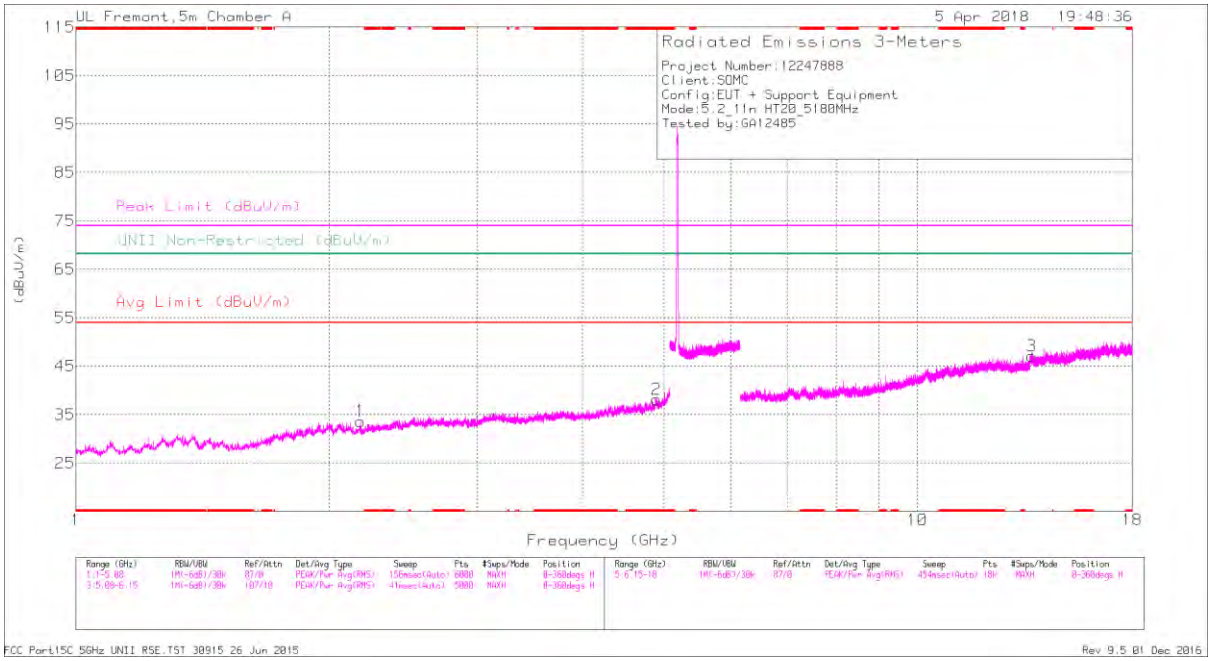
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/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
2	* 5.002	40.95	Pk	34.4	-18.2	0	57.15	-	-	74	-16.85	86	155	V
4	* 5.072	30.8	RMS	34.3	-18.1	.12	47.1	54	-6.9	-	-	86	155	V
1	* 5.15	39.78	Pk	34.4	-18.5	0	55.68	-	-	74	-18.32	86	155	V
3	* 5.15	30.15	RMS	34.4	-18.5	.12	46.15	54	-7.85	-	-	86	155	V

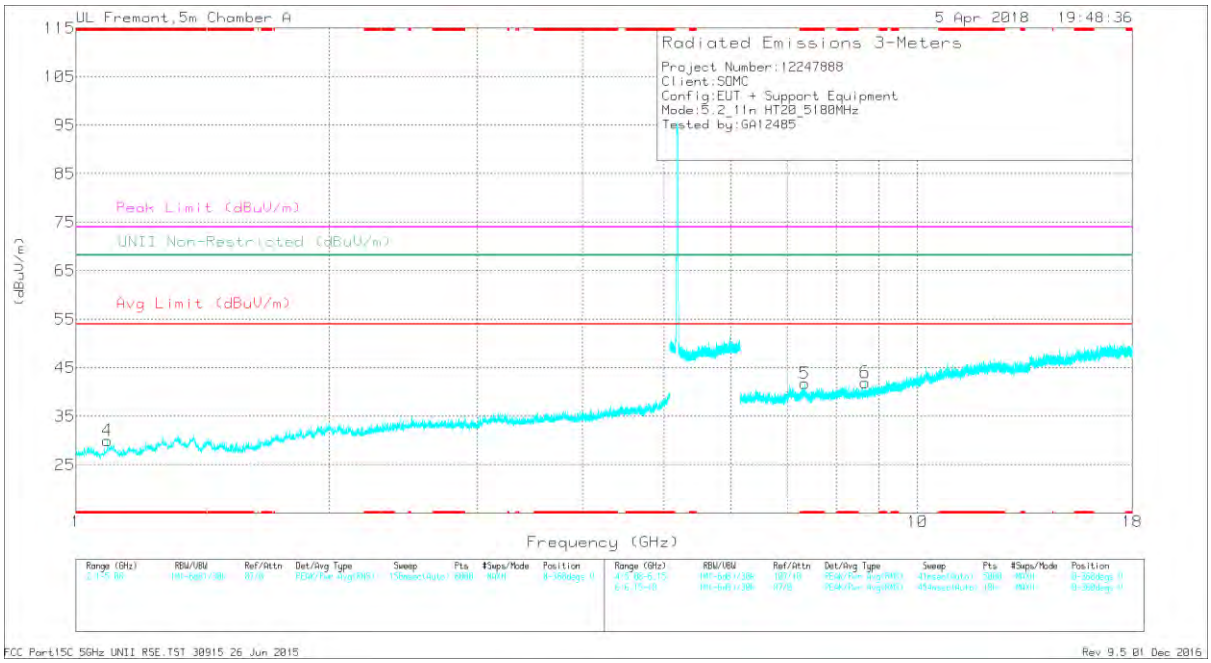
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	* 4.895	36.64	PK-U	34.1	-26.4	0	44.34	-	-	74	-29.66	-	-	219	223	H
	* 4.895	24.82	ADR	34.1	-26.4	.12	32.64	54	-21.36	-	-	-	-	219	223	H
4	* 1.091	39.44	PK-U	27.7	-31.9	0	35.24	-	-	74	-38.76	-	-	344	349	V
	* 1.092	27.58	ADR	27.7	-31.9	.12	23.5	54	-30.5	-	-	-	-	344	349	V
5	* 7.35	33.33	PK-U	35.7	-21.9	0	47.13	-	-	74	-26.87	-	-	106	243	V
	* 7.351	21.28	ADR	35.7	-21.9	.12	35.2	54	-18.8	-	-	-	-	106	243	V
1	2.178	39.07	PK-U	31.1	-31.1	0	39.07	-	-	-	-	68.2	-29.13	218	110	H
6	8.669	33.11	PK-U	35.9	-22.4	0	46.61	-	-	-	-	68.2	-21.59	211	368	V
3	13.663	32.78	PK-U	39.3	-19	0	53.08	-	-	-	-	68.2	-15.12	46	124	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

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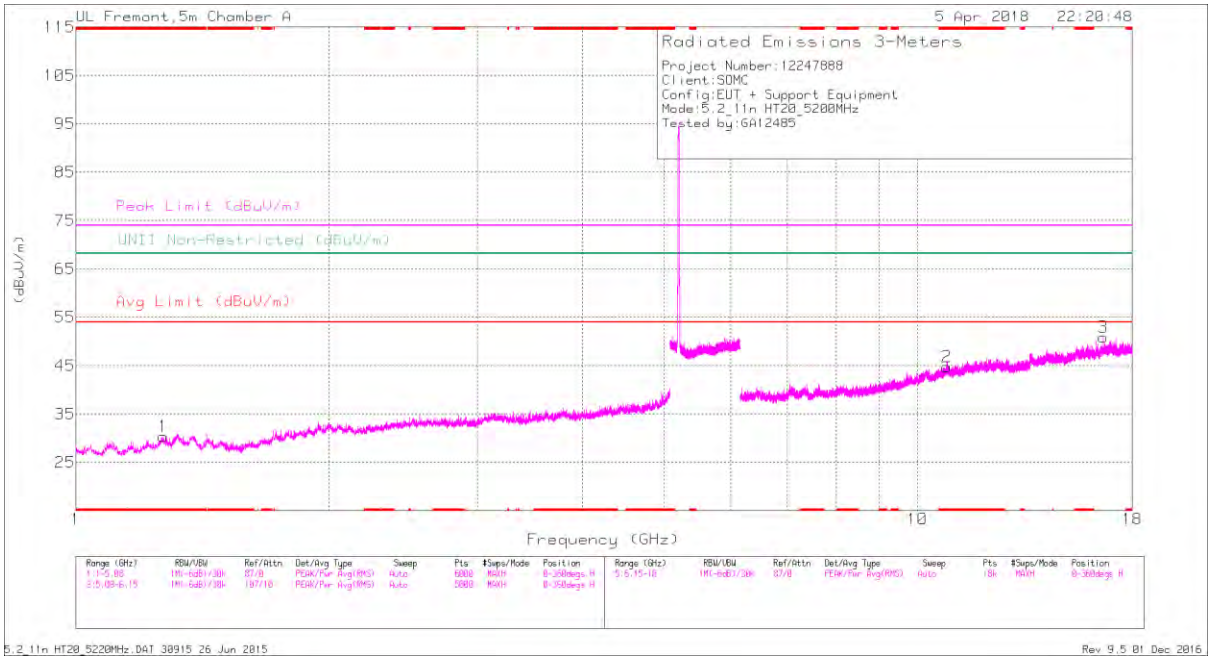
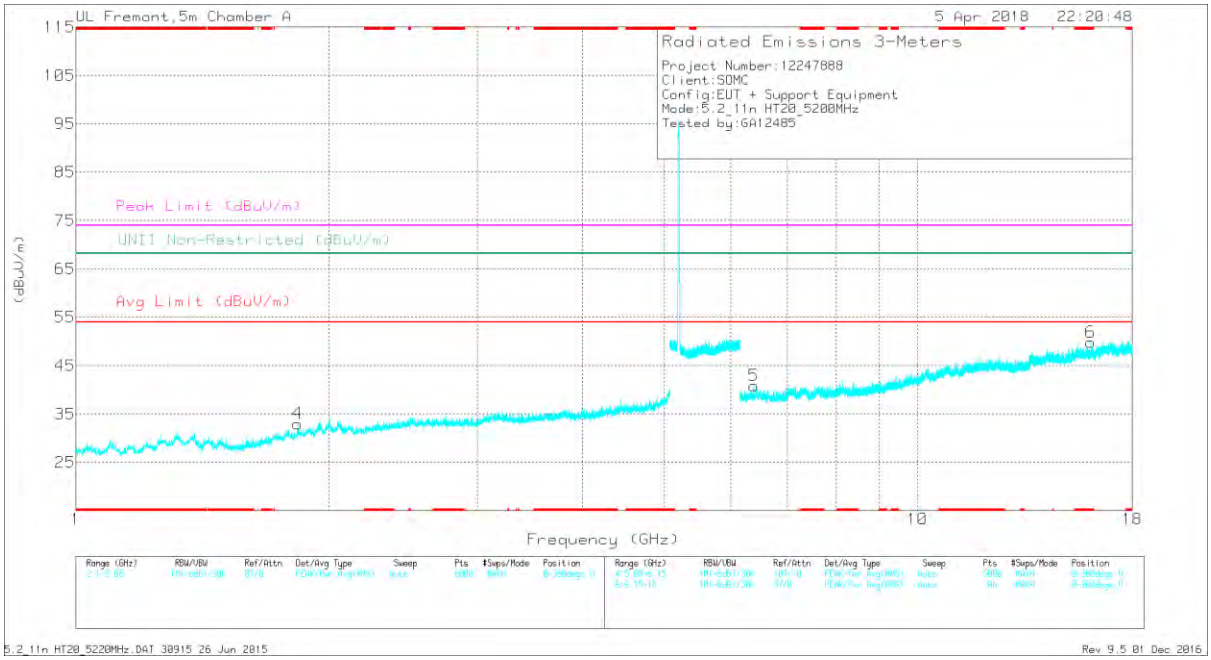
MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	* 1.269	39.55	PK-U	29.2	-32.4	0	36.35	-	-	74	-37.65	-	-	203	261	H
	* 1.27	27.97	ADR	29.2	-32.4	.12	24.89	54	-29.11	-	-	-	-	203	261	H
2	* 10.836	32.46	PK-U	37.9	-18.5	0	51.86	-	-	74	-22.14	-	-	10	324	H
	* 10.836	20.24	ADR	37.9	-18.5	.12	39.76	54	-14.24	-	-	-	-	10	324	H
6	* 16.067	32.42	PK-U	40.6	-18.1	0	54.92	-	-	74	-19.08	-	-	248	139	V
	* 16.066	21.03	ADR	40.6	-18.1	.12	43.65	54	-10.35	-	-	-	-	248	139	V
4	1.834	39.4	PK-U	30.7	-31.5	0	38.6	-	-	-	-	68.2	-29.6	19	393	V
5	6.389	35.96	PK-U	35.8	-25	0	46.76	-	-	-	-	68.2	-21.44	321	158	V
3	16.614	31.83	PK-U	41.4	-18.7	0	54.53	-	-	-	-	68.2	-13.67	262	134	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

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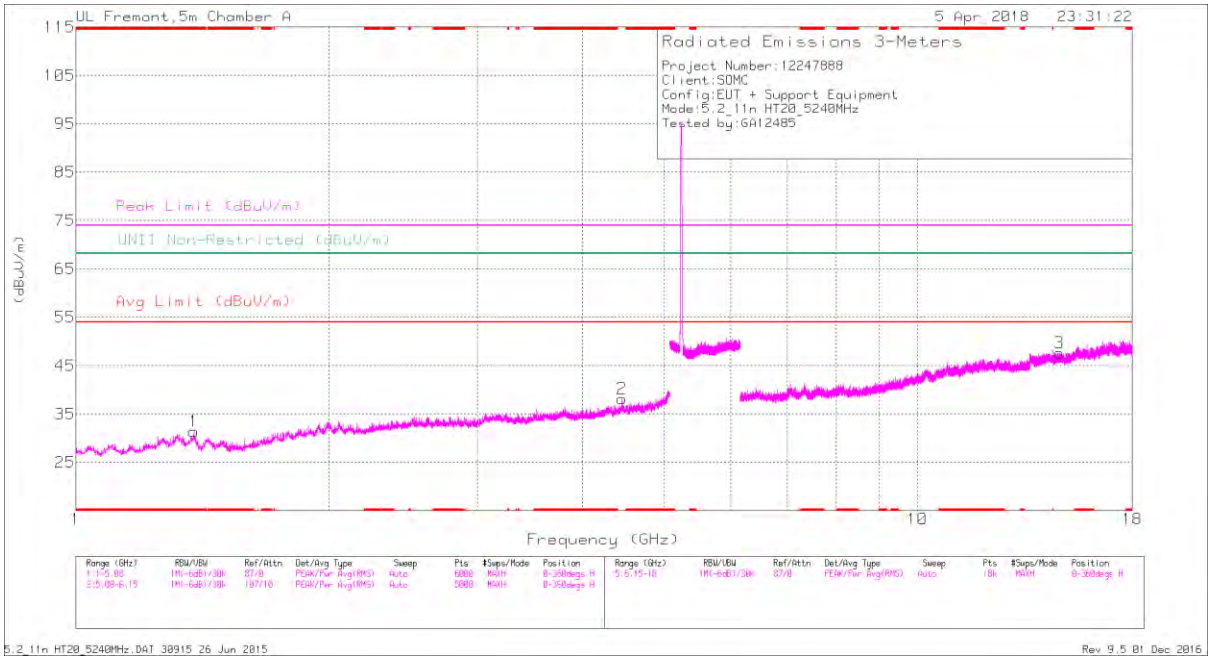
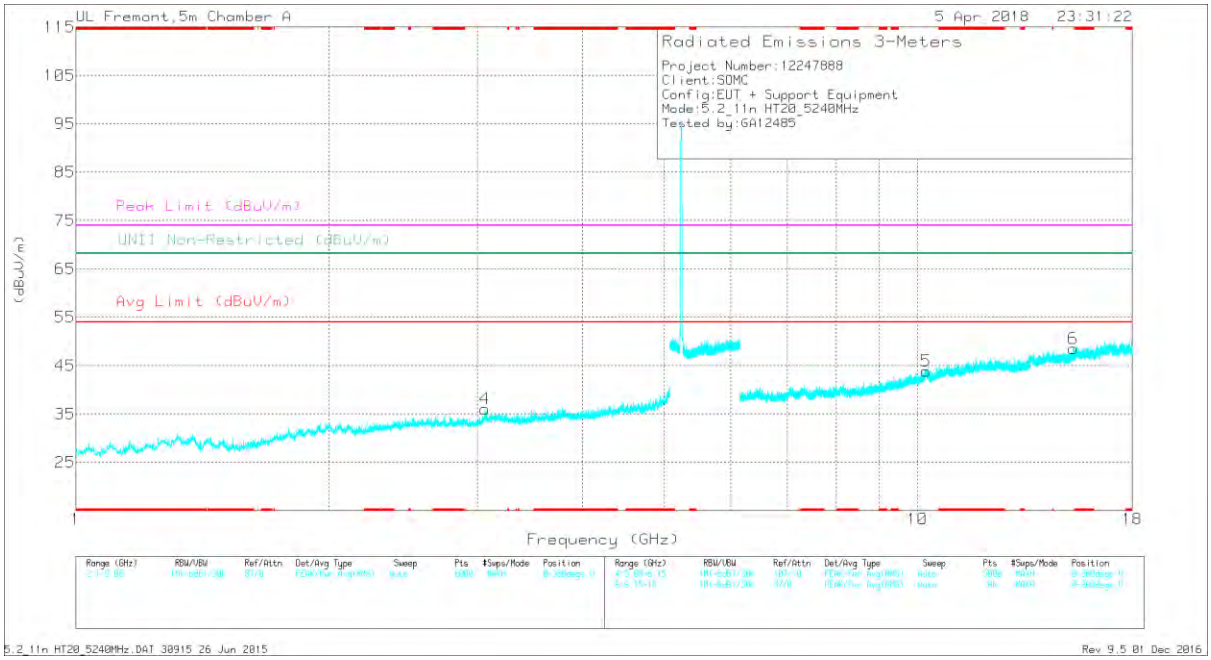
HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

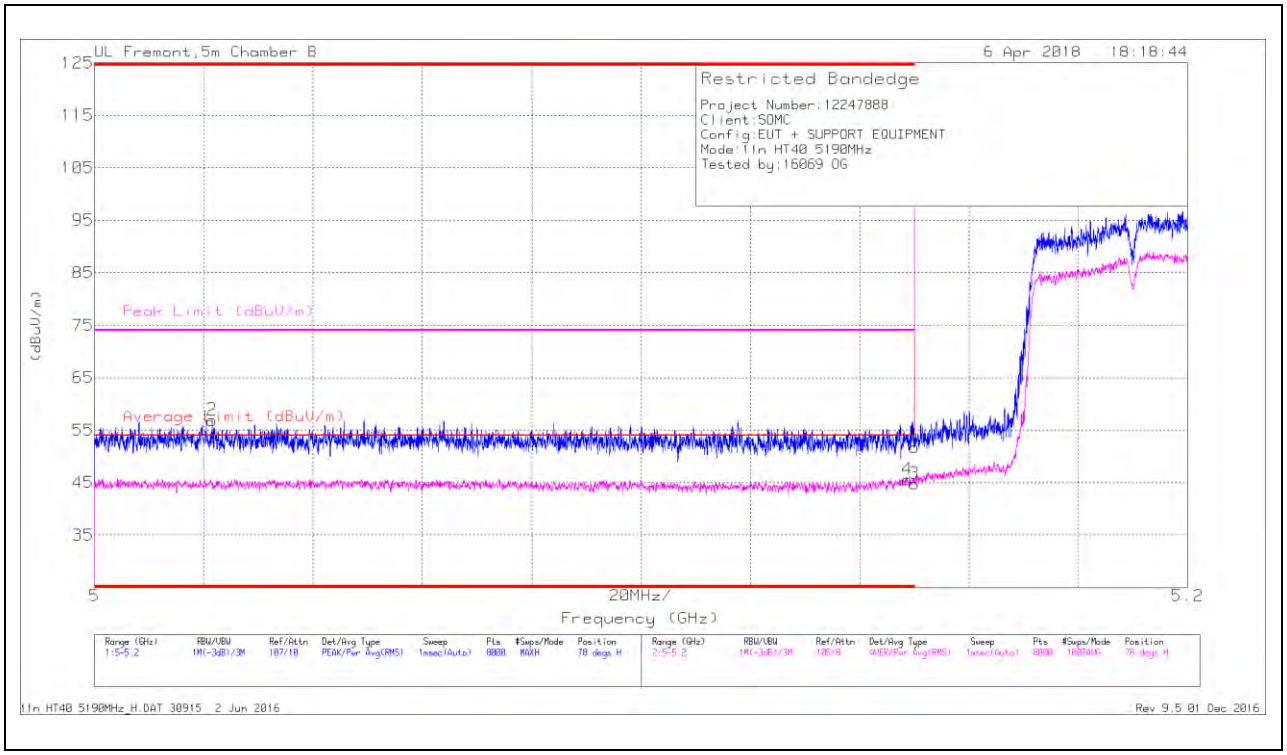
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.38	40.02	PK-U	29	-31.4	0	37.62	-	-	74	-36.38	-	-	104	245	H
	* 1.38	28.01	ADR	29	-31.4	.12	25.73	54	-28.27	-	-	-	-	104	245	H
4	3.062	37.91	PK-U	32.8	-29.4	0	41.31	-	-	-	-	68.2	-26.89	231	351	V
2	4.455	36.22	PK-U	33.7	-26.5	0	43.42	-	-	-	-	68.2	-24.78	105	199	H
5	10.239	31.87	PK-U	37.5	-19.2	0	50.17	-	-	-	-	68.2	-18.03	300	127	V
3	14.743	32.16	PK-U	39.9	-18.9	0	53.16	-	-	-	-	68.2	-15.04	233	154	H
6	15.312	32.44	PK-U	39.9	-18.5	0	53.84	-	-	-	-	68.2	-14.36	108	357	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

9.1.3. TX ABOVE 1 GHz 802.11n HT40 2TX CDD MODE IN THE 5.2 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

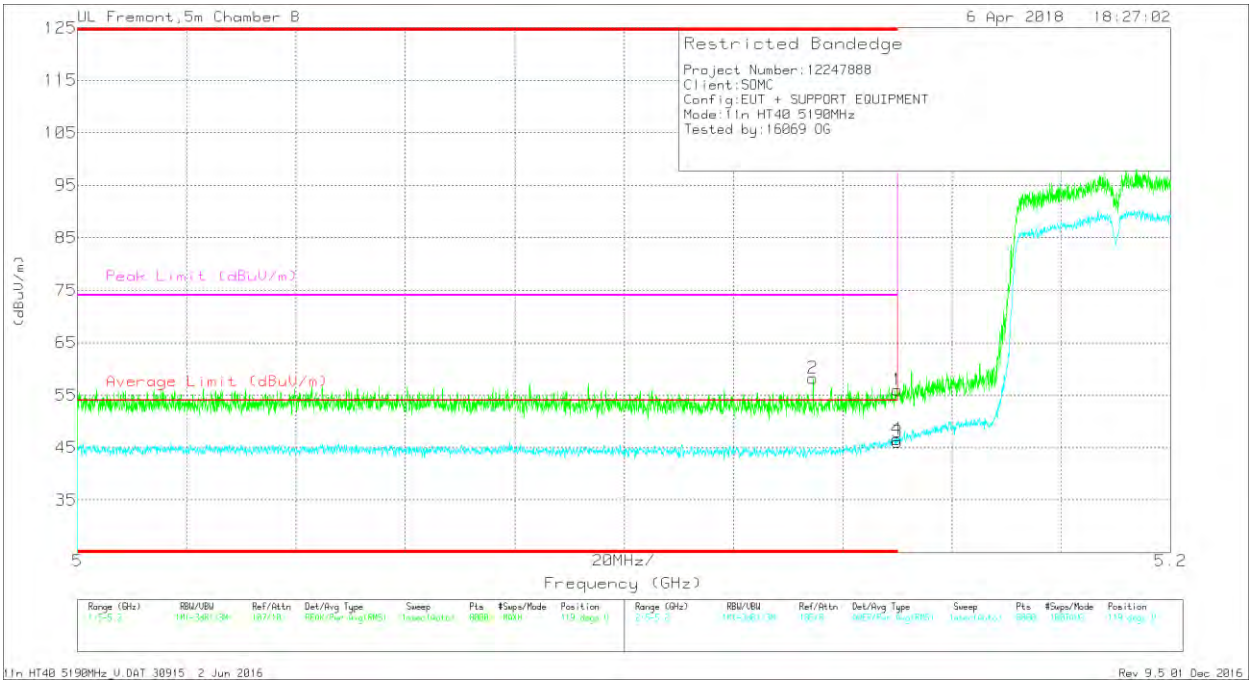


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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
2	* 5.022	40.63	Pk	34.3	-18	0	56.93	-	-	74	-17.07	78	130	H
4	* 5.149	29.22	RMS	34.4	-18.1	.42	45.94	54	-8.06	-	-	78	130	H
1	* 5.15	35.43	Pk	34.4	-18.1	0	51.73	-	-	74	-22.27	78	130	H
3	* 5.15	28.47	RMS	34.4	-18.1	.42	45.19	54	-8.81	-	-	78	130	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



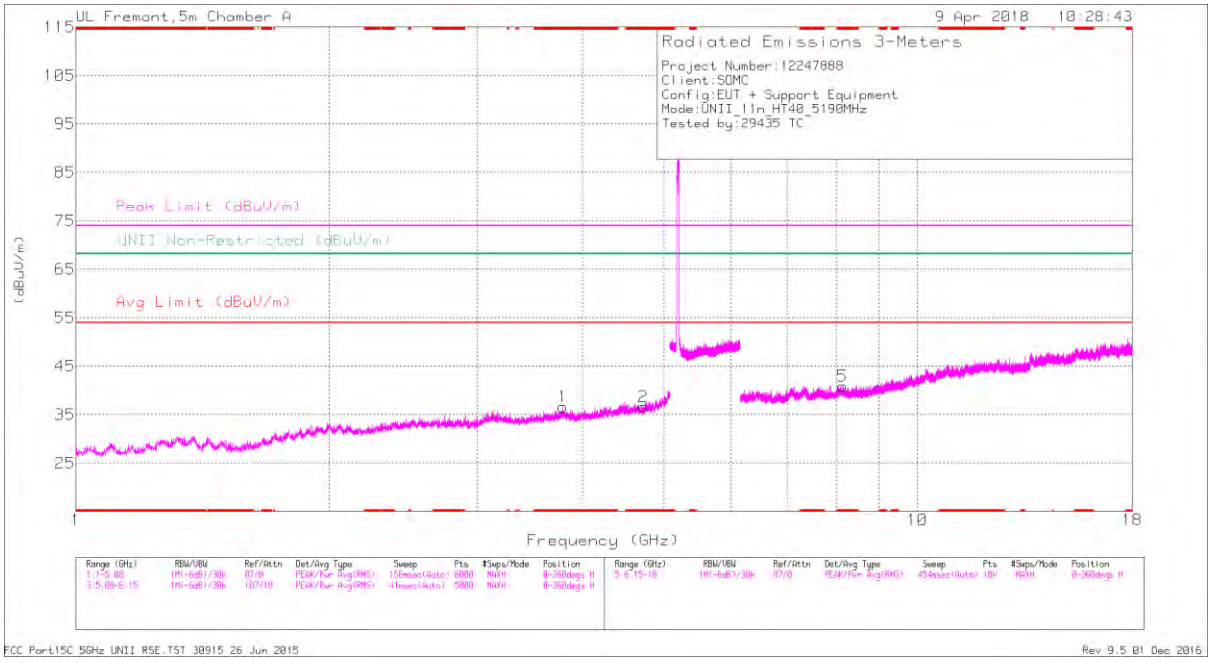
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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
2	* 5.135	41.79	Pk	34.4	-18	0	58.19	-	-	74	-15.81	119	166	V
1	* 5.15	39.74	Pk	34.4	-18.1	0	56.04	-	-	74	-17.96	119	166	V
3	* 5.15	29.68	RMS	34.4	-18.1	.42	46.4	54	-7.6	-	-	119	166	V
4	* 5.15	30.21	RMS	34.4	-18.1	.42	46.93	54	-7.07	-	-	119	166	V

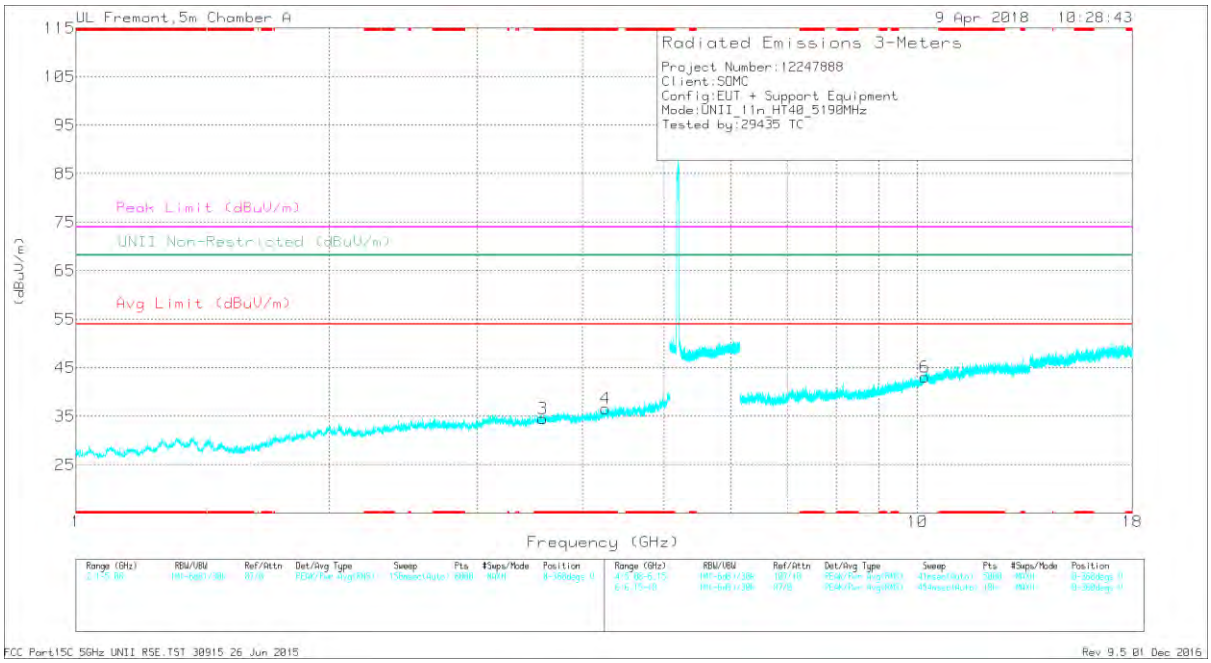
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



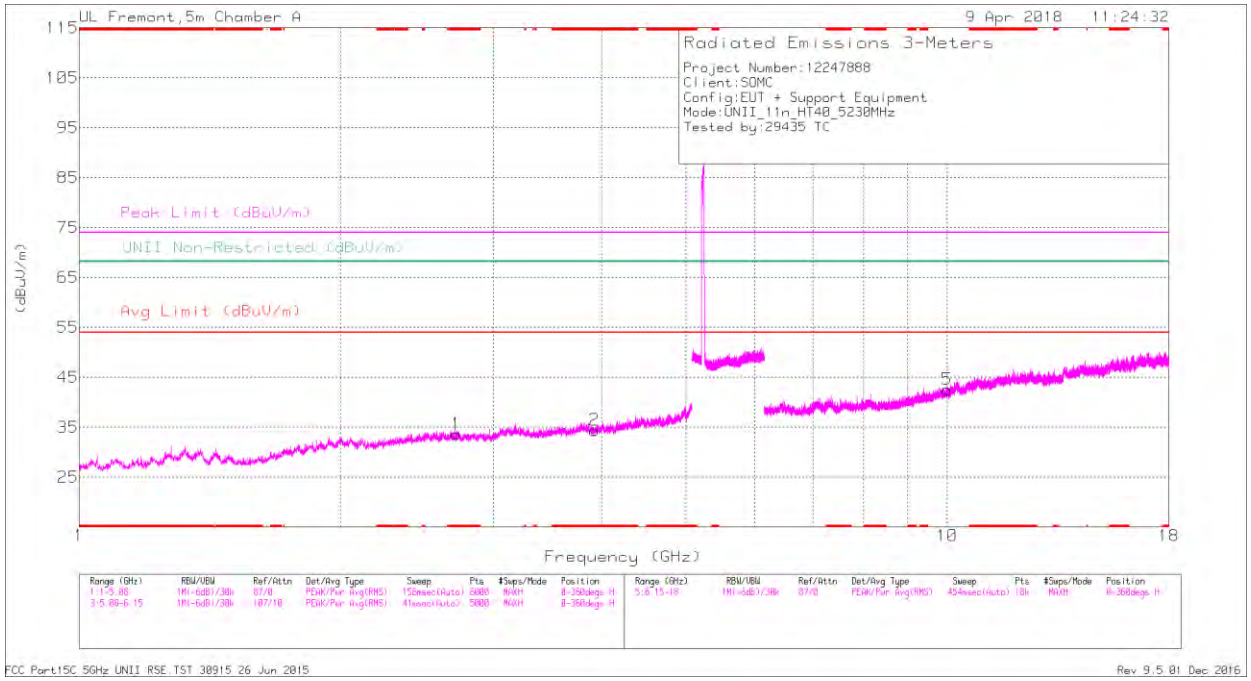
VERTICAL

RADIATED EMISSIONS

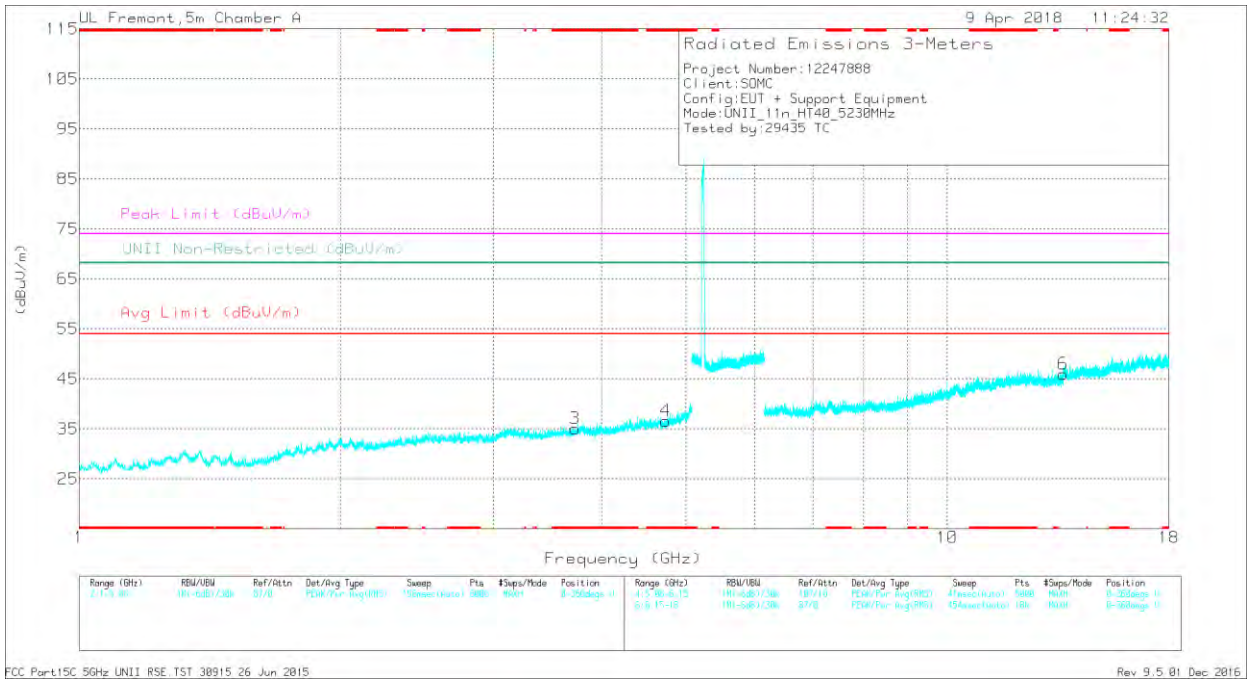
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.788	37.23	PK-U	33.2	-28.2	0	42.23	-	-	74	-31.77	-	-	160	103	H
	* 3.789	25.45	ADR	33.2	-28.2	.42	30.87	54	-23.13	-	-	-	-	160	103	H
2	* 4.726	36.52	PK-U	34	-27.5	0	43.02	-	-	74	-30.98	-	-	55	123	H
	* 4.724	24.85	ADR	34	-27.5	.42	31.77	54	-22.23	-	-	-	-	55	123	H
3	* 3.586	37.35	PK-U	33	-29	0	41.35	-	-	74	-32.65	-	-	353	174	V
	* 3.586	25.67	ADR	33	-29	.42	30.09	54	-23.91	-	-	-	-	353	174	V
4	* 4.256	36.29	PK-U	33.5	-27.4	0	42.39	-	-	74	-31.61	-	-	335	196	V
	* 4.26	24.73	ADR	33.5	-27.3	.42	31.35	54	-22.65	-	-	-	-	335	196	V
5	* 8.15	32.49	PK-U	35.8	-22	0	46.29	-	-	74	-27.71	-	-	206	361	H
	* 8.147	21.31	ADR	35.8	-22.1	.42	35.43	54	-18.57	-	-	-	-	206	361	H
6	10.205	25.93	Pk-U	37.4	-20.2	0	43.13	-	-	-	-	68.2	-25.07	176	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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

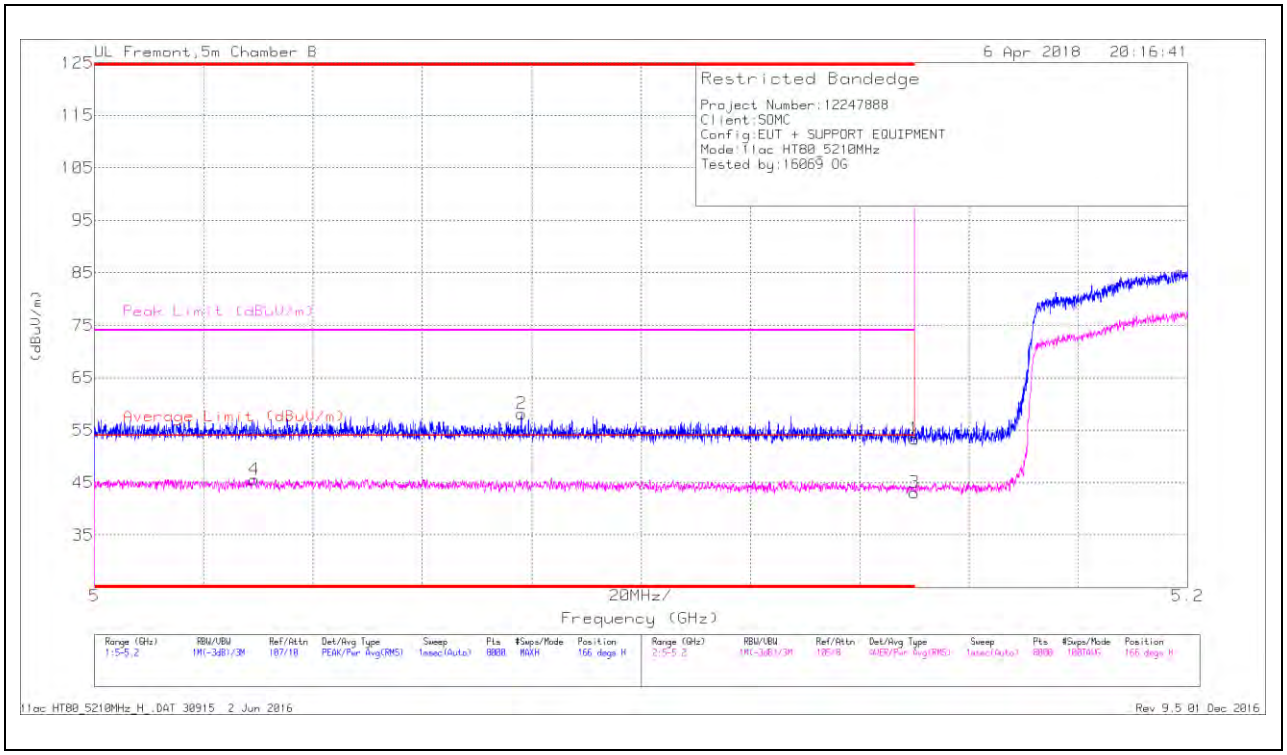
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.717	38.47	PK-U	32.4	-30.3	0	40.57	-	-	74	-33.43	-	-	319	277	H
	* 2.72	26.39	ADR	32.4	-30.4	.42	28.81	54	-25.19	-	-	-	-	319	277	H
2	* 3.92	37.2	PK-U	33.2	-29	0	41.4	-	-	74	-32.6	-	-	296	387	H
	* 3.922	25.65	ADR	33.2	-29	.42	30.27	54	-23.73	-	-	-	-	296	387	H
3	* 3.728	35.8	Pk-U	33.1	-28.9	0	40	-	-	74	-34	-	-	0-360	200	V
	* 3.728	26.92	ADR	33.1	-28.9	.42	31.54	54	-22.46	-	-	-	-	0-360	200	V
4	* 4.737	36.82	PK-U	34	-27.4	0	43.42	-	-	74	-30.58	-	-	276	112	V
	* 4.739	24.65	ADR	34	-27.3	.42	31.77	54	-22.23	-	-	-	-	276	112	V
5	9.994	25.74	Pk-U	37.3	-20.5	0	42.54	-	-	-	-	68.2	-25.66	58	199	H
6	13.6	25.96	Pk-U	39.2	-19.2	0	45.96	-	-	-	-	68.2	-22.24	102	200	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

9.1.4. TX ABOVE 1 GHz 802.11ac VHT80 2TX CDD MODE IN THE 5.2 GHz BAND

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

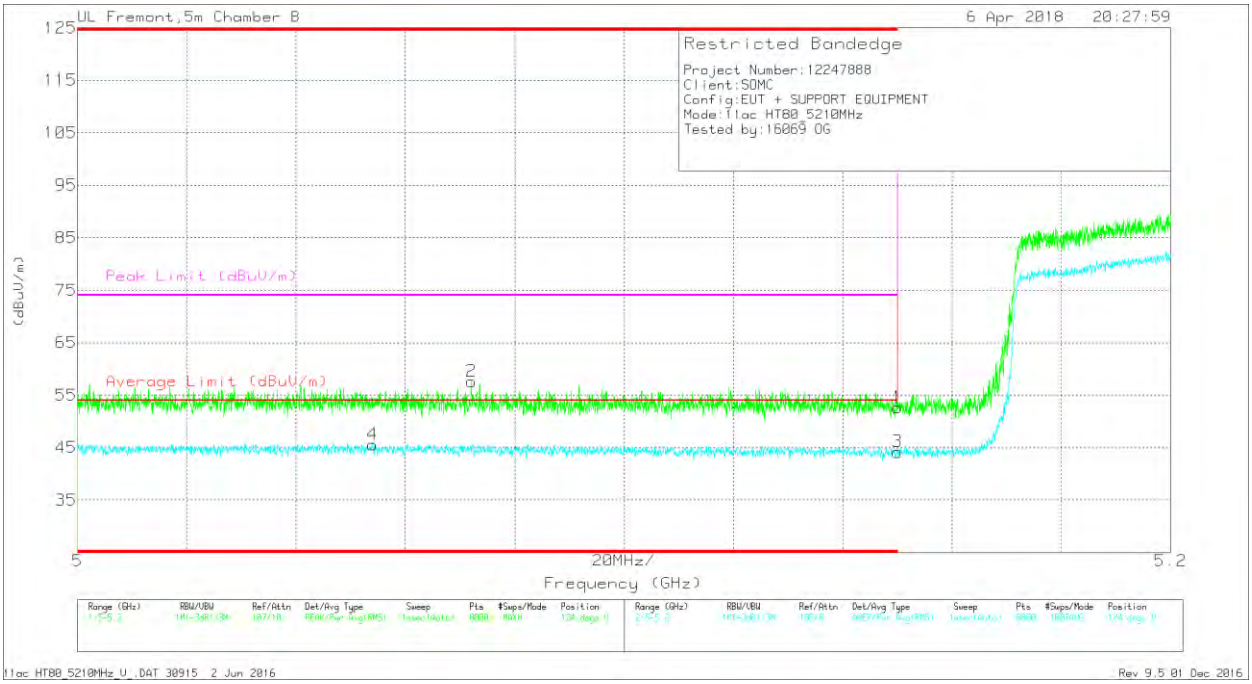


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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
4	* 5.029	29.21	RMS	34.3	-18	.43	45.94	54	-8.06	-	-	166	135	H
2	* 5.078	41.73	Pk	34.4	-18	0	58.13	-	-	74	-15.87	166	135	H
1	* 5.15	37.08	Pk	34.4	-18.1	0	53.38	-	-	74	-20.62	166	135	H
3	* 5.15	26.69	RMS	34.4	-18.1	.43	43.42	54	-10.58	-	-	166	135	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



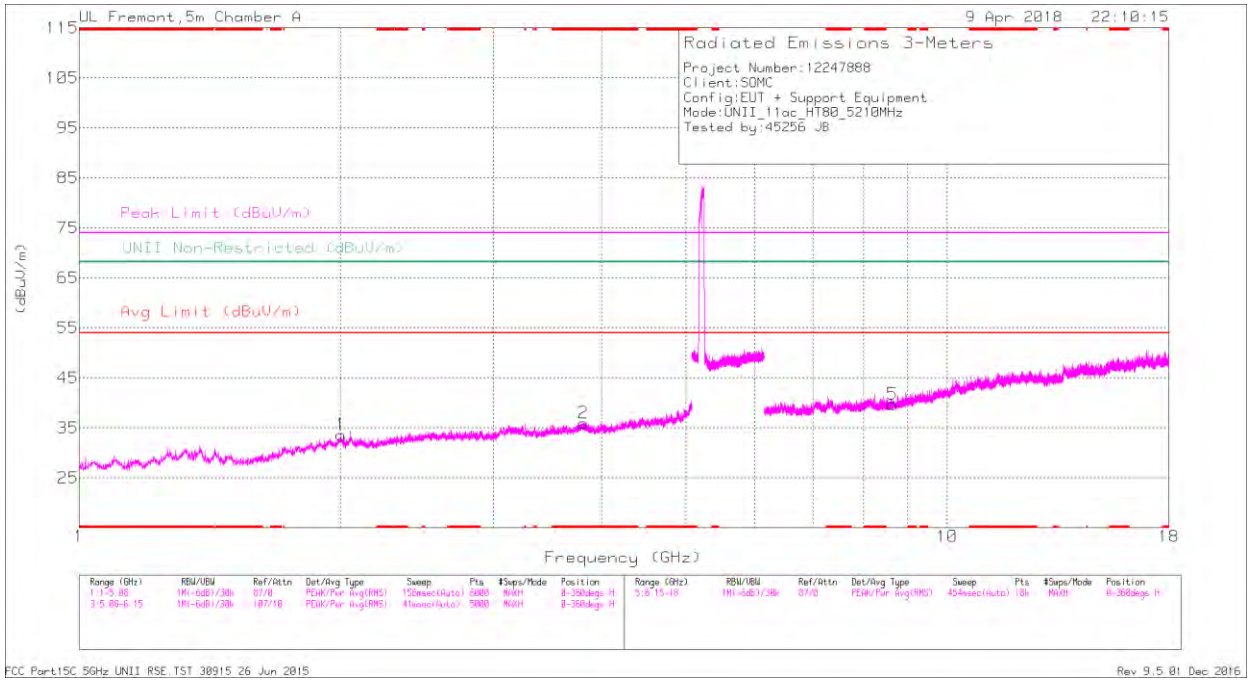
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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
4	* 5.054	29.01	RMS	34.4	-17.9	.43	45.94	54	-8.06	-	-	124	210	V
2	* 5.072	41.12	Pk	34.4	-17.9	0	57.62	-	-	74	-16.38	124	210	V
1	* 5.15	36.31	Pk	34.4	-18.1	0	52.61	-	-	74	-21.39	124	210	V
3	* 5.15	27.76	RMS	34.4	-18.1	.43	44.49	54	-9.51	-	-	124	210	V

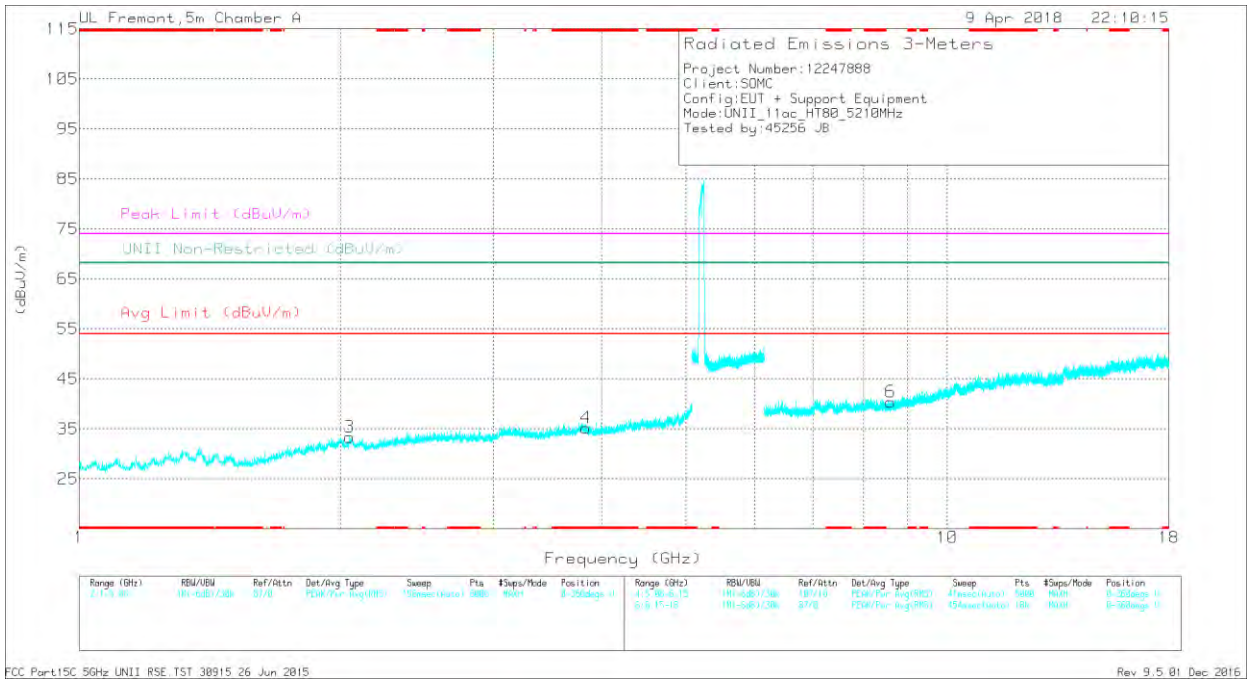
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

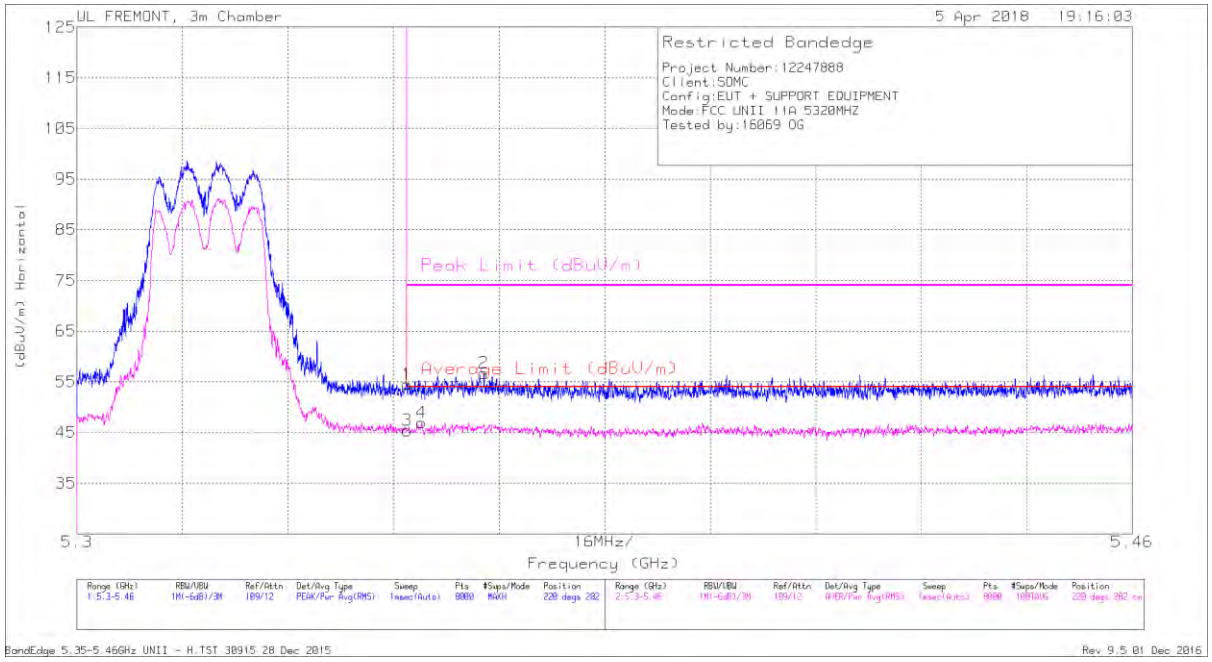
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.809	37.61	PK-U	33.2	-28.1	0	42.71	-	-	74	-31.29	-	-	192	283	H
	* 3.811	25.39	ADR	33.2	-28.1	.43	30.92	54	-23.08	-	-	-	-	192	283	H
4	* 3.837	36.89	PK-U	33	-28.3	0	41.59	-	-	74	-32.41	-	-	174	332	V
	* 3.839	25.61	ADR	33	-28.3	.43	30.74	54	-23.26	-	-	-	-	174	332	V
1	2.002	39.31	PK-U	31.4	-30.6	0	40.11	-	-	-	-	68.2	-28.09	360	279	H
3	2.048	38.75	PK-U	31.4	-30.4	0	39.75	-	-	-	-	68.2	-28.45	351	289	V
6	8.603	33.54	PK-U	35.8	-22.6	0	46.74	-	-	-	-	68.2	-21.46	178	201	V
5	8.655	33.06	PK-U	35.9	-22.4	0	46.56	-	-	-	-	68.2	-21.64	324	236	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

9.1.5. TX ABOVE 1 GHz 802.11a 2TX CDD MODE IN THE 5.3 GHz BAND

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

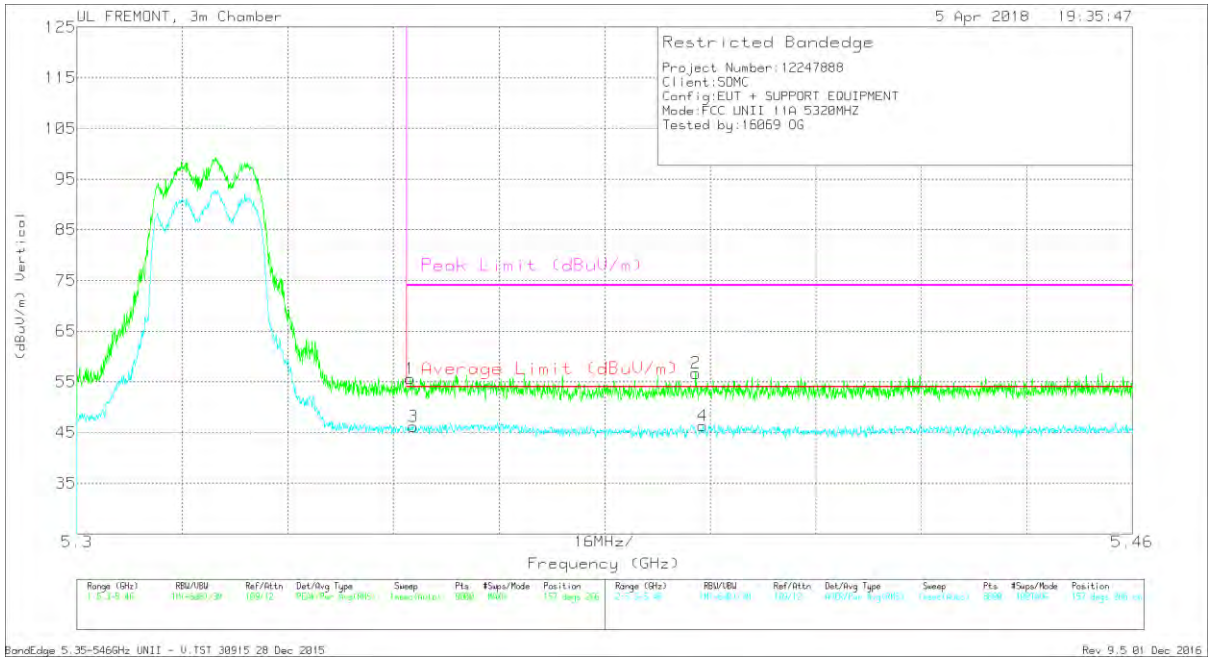


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	38.51	Pk	34.7	-18.7	0	54.51	-	-	74	-19.49	220	282	H
3	5.35	29.3	RMS	34.7	-18.7	.09	45.39	54	-8.61	-	-	220	282	H
4	5.352	30.72	RMS	34.7	-18.6	.09	46.91	54	-7.09	-	-	220	282	H
2	5.362	40.19	Pk	34.7	-18.2	0	56.69	-	-	74	-17.31	220	282	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



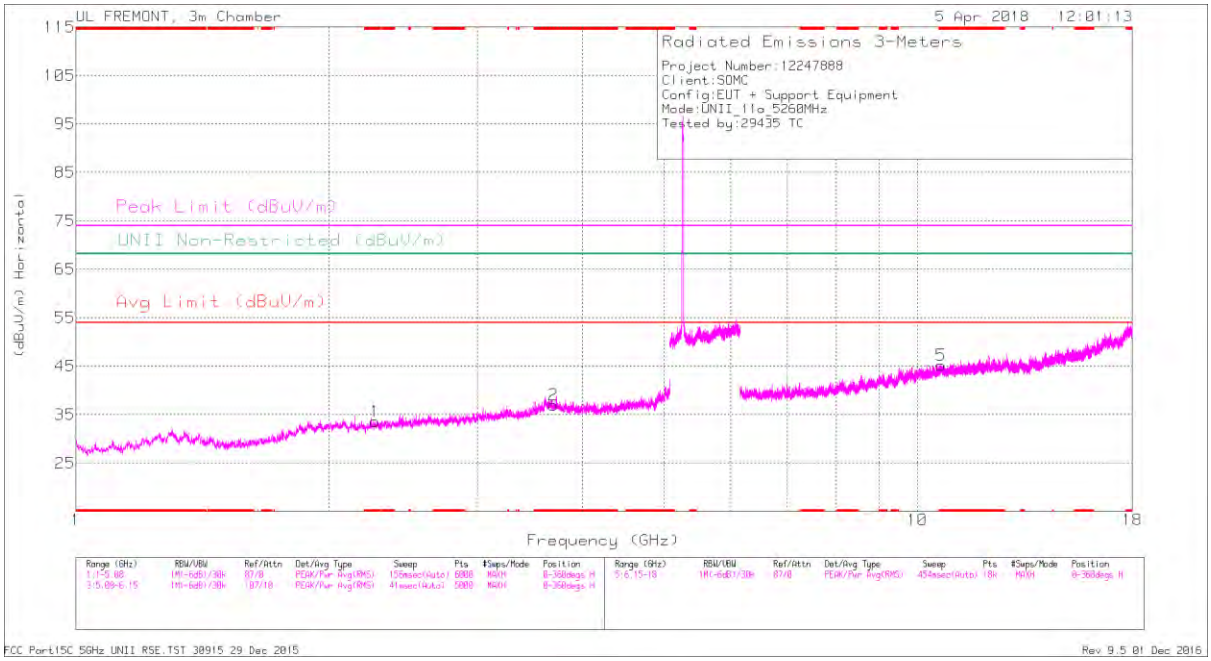
Trace Markers

Marker	Frequency (GHz)	Meter Reading(dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	5.351	39.59	Pk	34.7	-18.7	0	55.59	-	-	74	-18.41	157	266	V
3	5.351	30.11	RMS	34.7	-18.7	.09	46.2	54	-7.8	-	-	157	266	V
2	5.394	40.59	Pk	34.8	-18.7	0	56.69	-	-	74	-17.31	157	266	V
4	5.395	30.02	RMS	34.8	-18.6	.09	46.31	54	-7.69	-	-	157	266	V

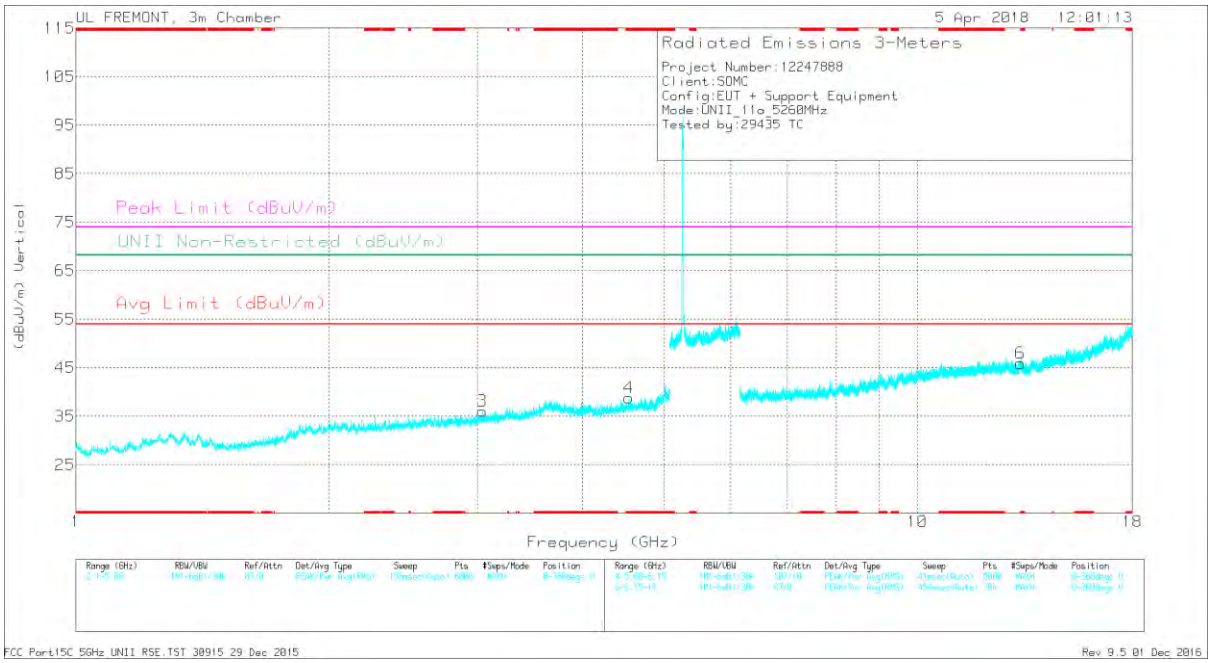
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



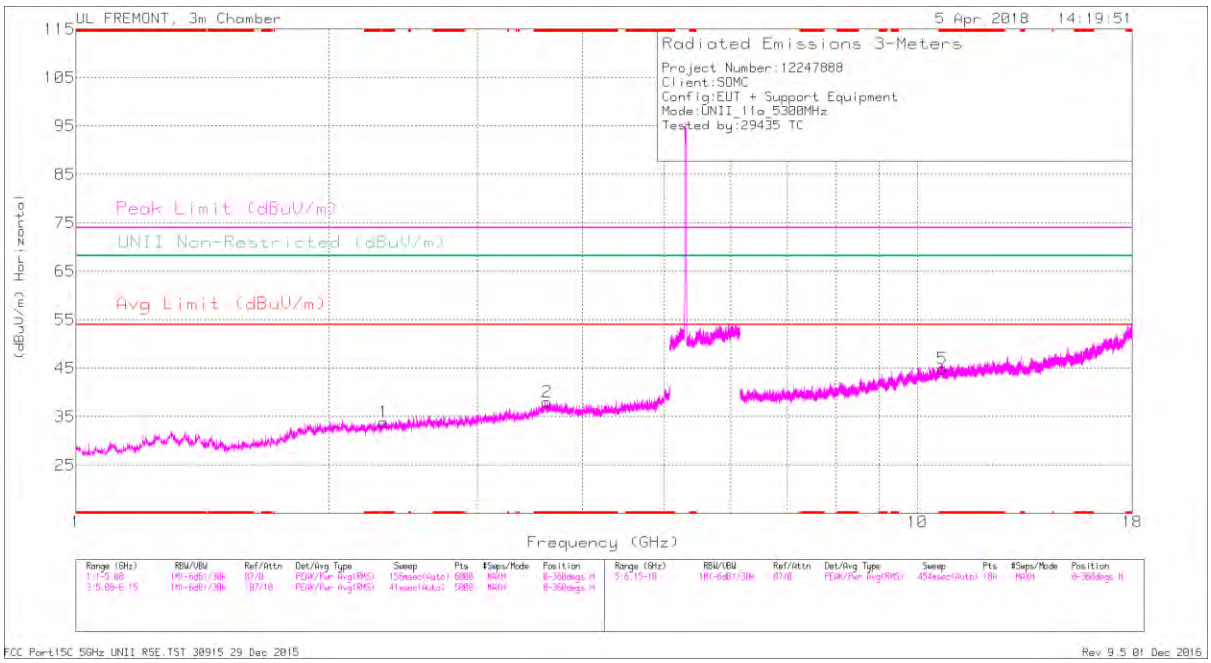
VERTICAL

RADIATED EMISSIONS

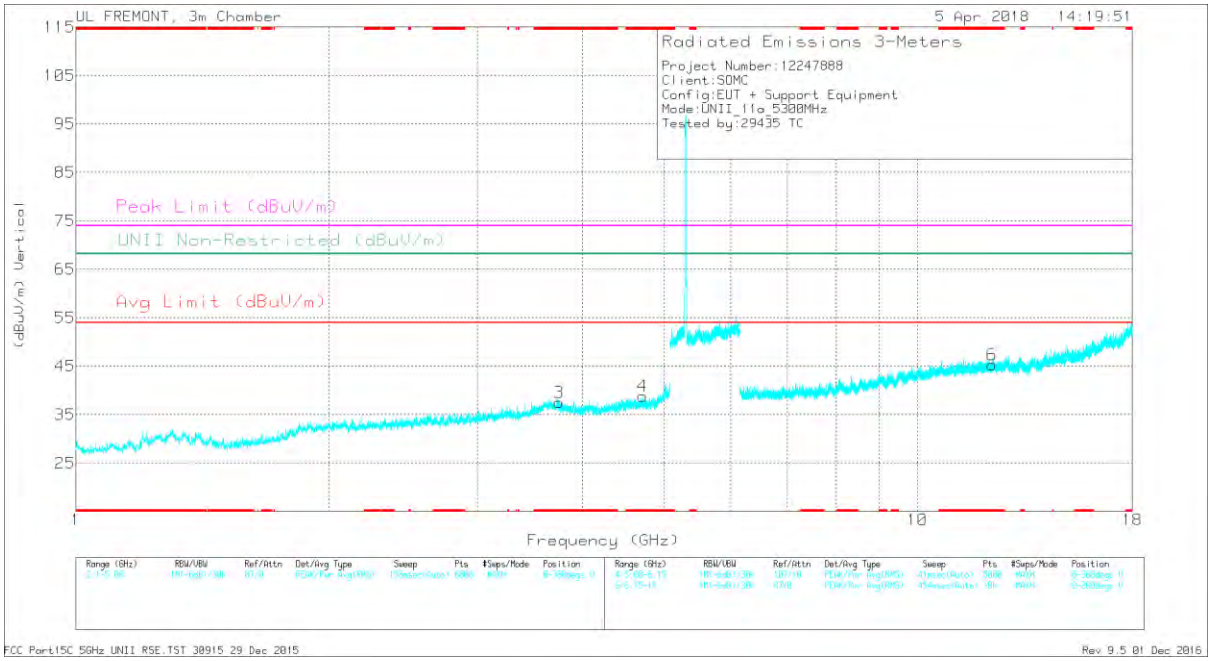
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.266	39.12	PK-U	31.8	-30.7	0	40.22	-	-	74	-33.78	-	-	89	355	H
	* 2.265	27.26	ADR	31.9	-30.7	.09	28.55	54	-25.45	-	-	-	-	89	355	H
2	* 3.692	38.02	PK-U	34.2	-28.2	0	44.02	-	-	74	-29.98	-	-	198	179	H
	* 3.691	26.74	ADR	34.2	-28.2	.09	32.83	54	-21.17	-	-	-	-	198	179	H
4	* 4.539	39.11	PK-U	34	-28.3	0	44.81	-	-	74	-29.19	-	-	324	320	V
	* 4.538	27.31	ADR	34	-28.3	.09	33.1	54	-20.9	-	-	-	-	324	320	V
5	* 10.67	34.39	PK-U	37.8	-21	0	51.19	-	-	74	-22.81	-	-	218	149	H
	* 10.669	23.09	ADR	37.8	-20.9	.09	40.08	54	-13.92	-	-	-	-	218	149	H
6	* 13.252	35.44	PK-U	38.9	-21.6	0	52.74	-	-	74	-21.26	-	-	182	297	V
	* 13.256	23.63	ADR	38.9	-21.5	.09	41.12	54	-12.88	-	-	-	-	182	297	V
3	3.041	32.15	Pk-U	33.2	-29.3	0	36.05	-	-	-	-	68.2	-32.15	179	100	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 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	* 2.324	38.67	PK-U	31.7	-30.2	0	40.17	-	-	74	-33.83	-	-	131	143	H
	* 2.324	26.96	ADR	31.7	-30.2	.09	28.55	54	-25.45	-	-	-	-	131	143	H
2	* 3.632	39.24	PK-U	34.6	-29.3	0	44.54	-	-	74	-29.46	-	-	223	246	H
	* 3.632	27.44	ADR	34.6	-29.3	.09	32.83	54	-21.17	-	-	-	-	223	246	H
3	* 3.752	38.77	PK-U	33.9	-28.4	0	44.27	-	-	74	-29.73	-	-	84	212	V
	* 3.754	27.19	ADR	33.9	-28.2	.09	32.98	54	-21.02	-	-	-	-	84	212	V
4	* 4.713	37.98	PK-U	34	-28	0	43.98	-	-	74	-30.02	-	-	175	325	V
	* 4.713	27.03	ADR	34	-28	.09	33.12	54	-20.88	-	-	-	-	175	325	V
5	* 10.709	35.43	PK-U	37.8	-21.1	0	52.13	-	-	74	-21.87	-	-	38	399	H
	* 10.708	22.99	ADR	37.8	-21.1	.09	39.78	54	-14.22	-	-	-	-	38	399	H
6	* 12.266	34.57	PK-U	39.1	-21.7	0	51.97	-	-	74	-22.03	-	-	319	100	V
	* 12.267	22.96	ADR	39.1	-21.7	.09	40.45	54	-13.55	-	-	-	-	319	100	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

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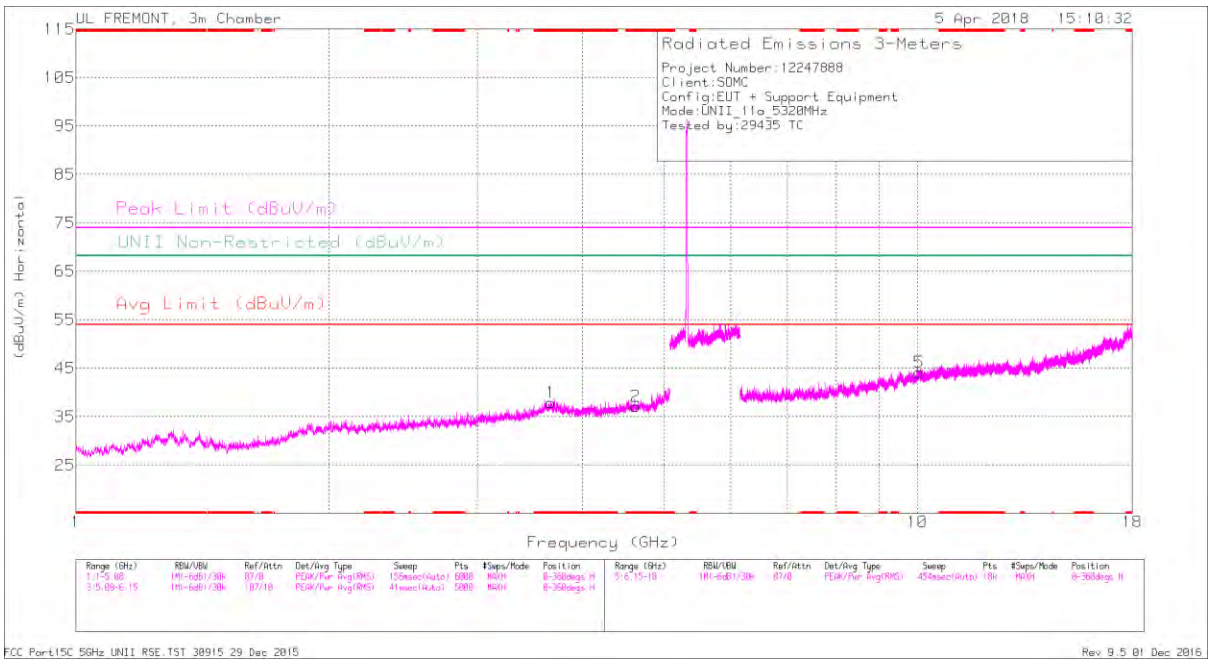
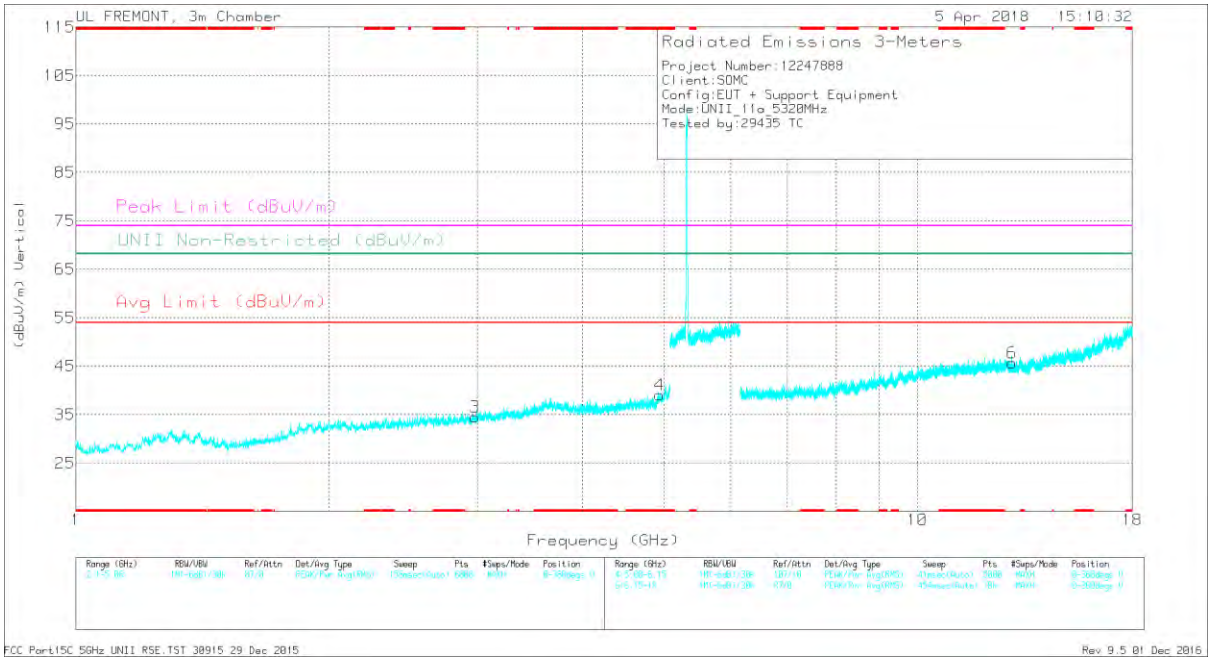
HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	* 3.669	38.61	PK-U	34.4	-28.4	0	44.61	-	-	74	-29.39	-	-	312	359	H
	* 3.668	26.9	ADR	34.4	-28.5	.09	32.89	54	-21.11	-	-	-	-	312	359	H
2	* 4.629	37.07	PK-U	34.1	-26.5	0	44.67	-	-	74	-29.33	-	-	124	166	H
	* 4.63	25.42	ADR	34.1	-26.5	.09	33.11	54	-20.89	-	-	-	-	124	166	H
4	* 4.938	38.46	PK-U	34.1	-26.7	0	45.86	-	-	74	-28.14	-	-	244	170	V
	* 4.94	26.4	ADR	34.1	-26.6	.09	33.99	54	-20.01	-	-	-	-	244	170	V
3	2.98	30.97	Pk-U	33.1	-29.5	0	34.57	-	-	-	-	68.2	-33.63	109	100	V
5	10.047	26.9	Pk-U	37.3	-20.1	0	44.1	-	-	-	-	68.2	-24.1	86	200	H
6	12.959	28.84	Pk-U	39.1	-22.2	0	45.74	-	-	-	-	68.2	-22.46	257	100	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

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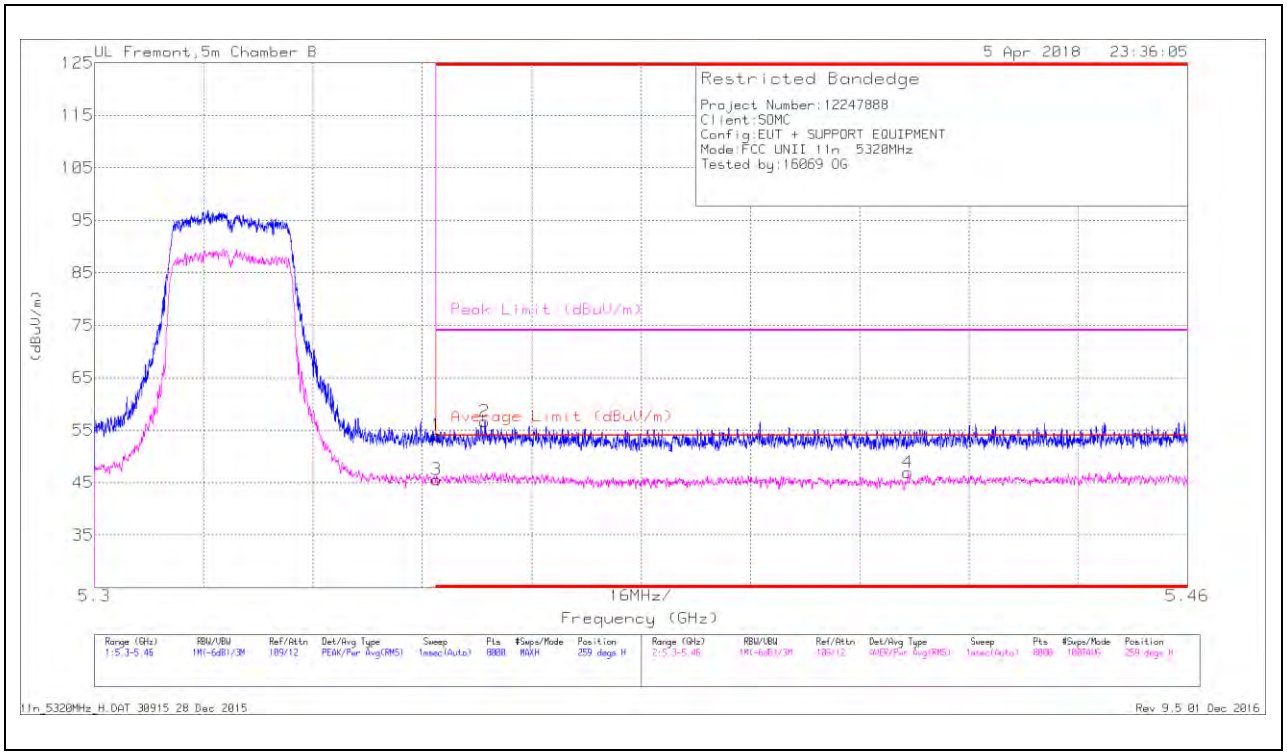
9.1.6. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 5.3 GHz BAND

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

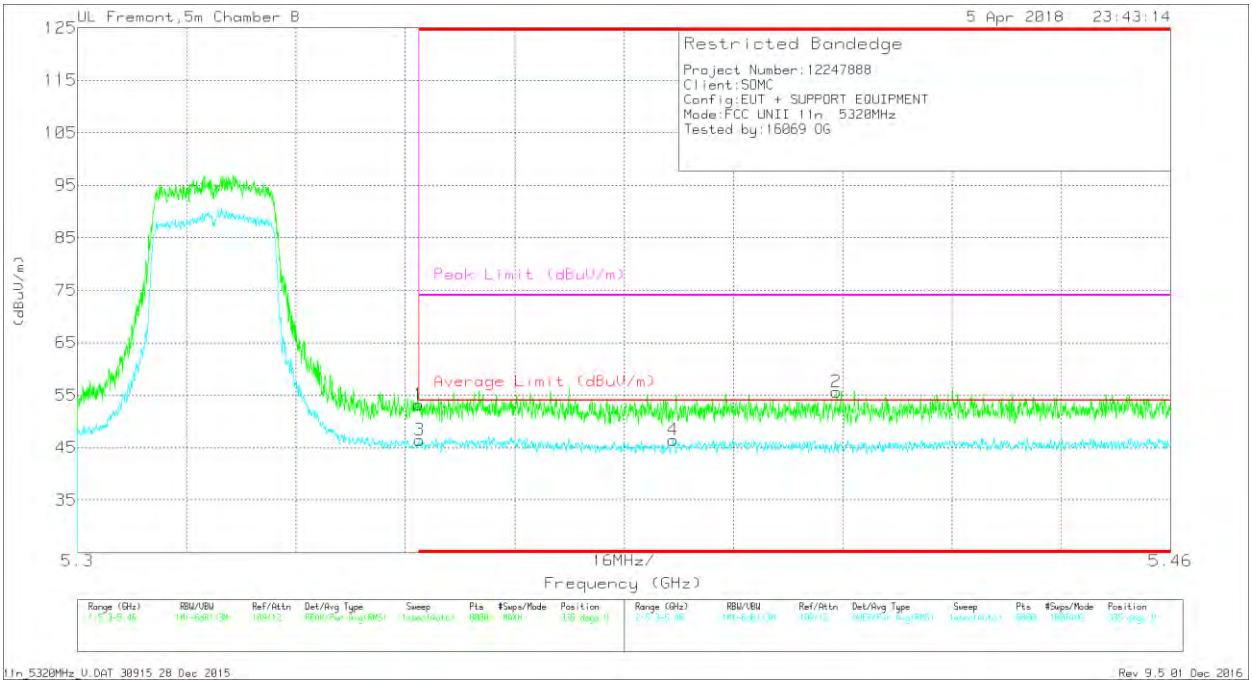


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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	38.07	Pk	34.7	-18.7	0	54.07	-	-	74	-19.93	259	134	H
3	* 5.35	29.5	RMS	34.7	-18.7	.12	45.62	54	-8.38	-	-	259	134	H
2	* 5.357	40.27	Pk	34.7	-18.3	0	56.67	-	-	74	-17.33	259	134	H
4	* 5.419	31.21	RMS	34.8	-19.2	.12	46.93	54	-7.07	-	-	259	134	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



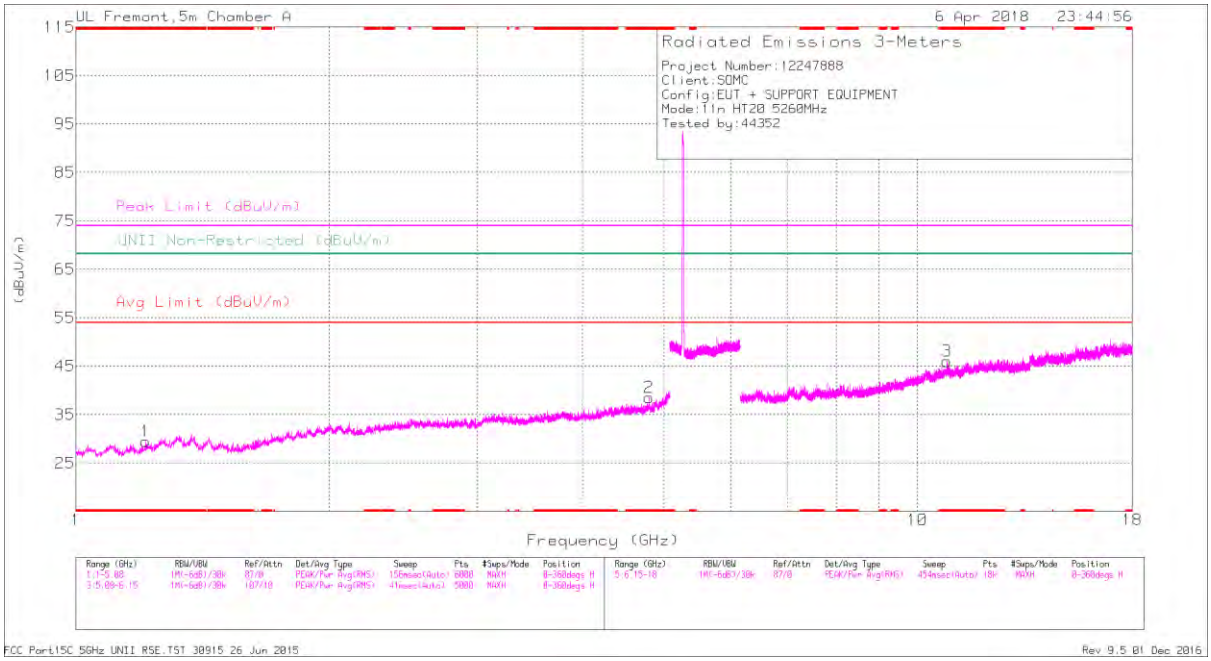
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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
2	* 5.411	39.89	Pk	34.8	-19.1	0	55.59	-	-	74	-18.41	335	104	V
3	* 5.35	30.32	RMS	34.7	-18.7	.12	46.44	54	-7.56	-	-	335	104	V
4	* 5.387	30.52	RMS	34.8	-19	.12	46.44	54	-7.56	-	-	335	104	V
1	5.35	37.1	Pk	34.7	-18.7	0	53.1	-	-	-	-	335	104	V

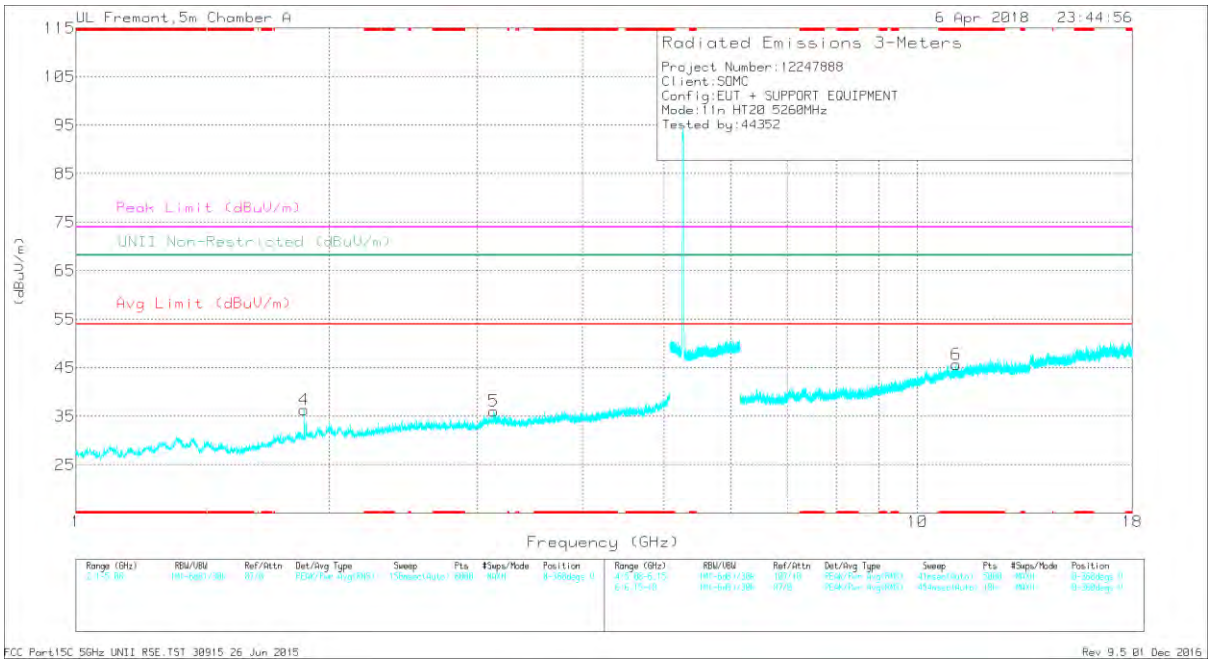
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	* 1.21	39.52	PK-U	28.4	-32.5	0	35.42	-	-	74	-38.58	-	-	282	164	H
	* 1.211	27.81	ADR	28.4	-32.5	.12	23.83	54	-30.17	-	-	-	-	282	164	H
2	* 4.795	35.64	PK-U	34.2	-26.6	0	43.24	-	-	74	-30.76	-	-	94	400	H
	* 4.793	24.16	ADR	34.2	-26.5	.12	31.98	54	-22.02	-	-	-	-	94	400	H
3	* 10.829	32.13	PK-U	37.8	-18.7	0	51.23	-	-	74	-22.77	-	-	0	129	H
	* 10.828	20.34	ADR	37.8	-18.8	.12	39.46	54	-14.54	-	-	-	-	0	129	H
6	* 11.123	32.89	PK-U	37.9	-19	0	51.79	-	-	74	-22.21	-	-	270	219	V
	* 11.124	20.36	ADR	37.9	-19	.12	39.38	54	-14.62	-	-	-	-	270	219	V
4	1.867	38.41	PK-U	30.9	-31.7	0	37.61	-	-	-	-	68.2	-30.59	276	112	V
5	3.137	36.97	PK-U	32.8	-28.7	0	41.07	-	-	-	-	68.2	-27.13	292	233	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

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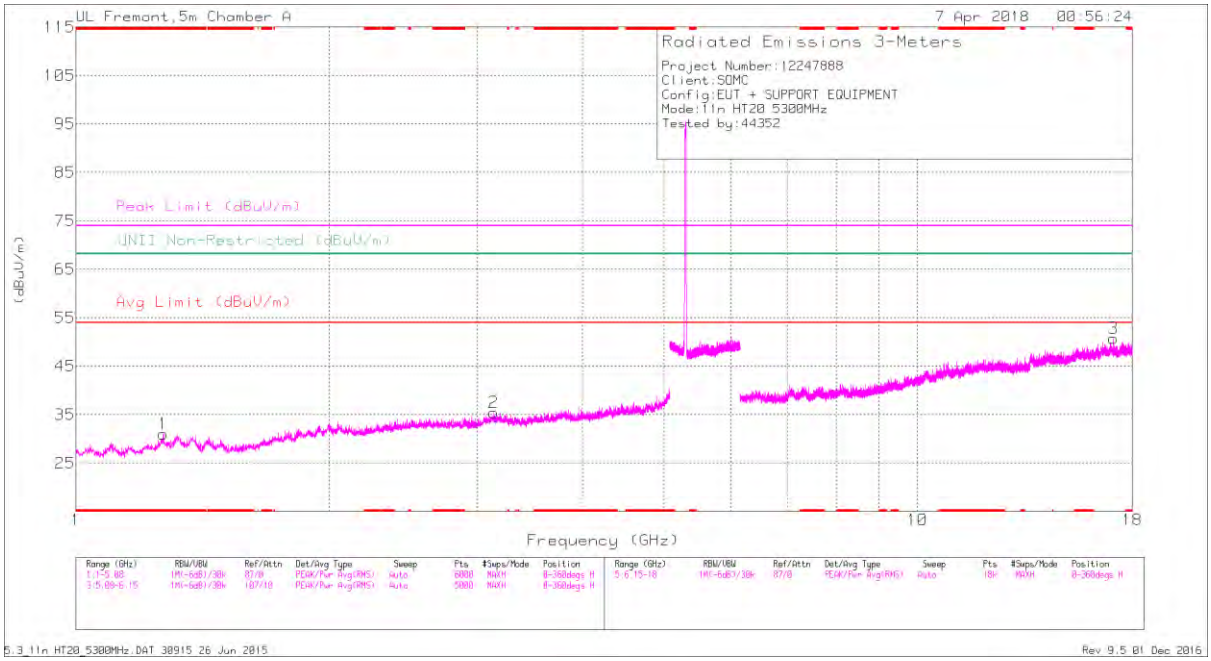
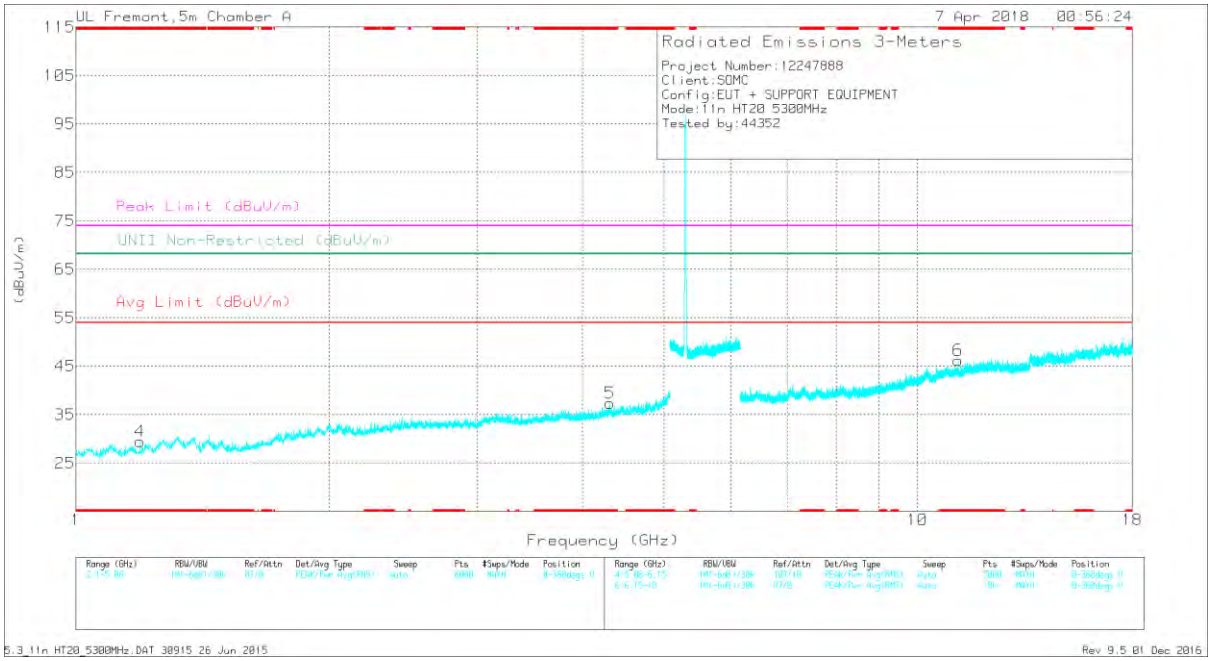
MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	39.51	PK-U	29.2	-32.4	0	36.31	-	-	74	-37.69	-	-	324	358	H
	* 1.269	27.76	ADR	29.2	-32.4	.12	24.68	54	-29.32	-	-	-	-	324	358	H
4	* 1.192	39.17	PK-U	28.1	-32.4	0	34.87	-	-	74	-39.13	-	-	196	186	V
	* 1.193	27.01	ADR	28.1	-32.4	.12	22.83	54	-31.17	-	-	-	-	196	186	V
5	* 4.311	36.78	PK-U	33.6	-27.3	0	43.08	-	-	74	-30.92	-	-	212	359	V
	* 4.311	24.81	ADR	33.6	-27.3	.12	31.23	54	-22.77	-	-	-	-	212	359	V
6	* 11.181	32.42	PK-U	38	-19.3	0	51.12	-	-	74	-22.88	-	-	177	278	V
	* 11.179	20.24	ADR	38	-19.3	.12	39.06	54	-14.94	-	-	-	-	177	278	V
2	3.139	37.41	PK-U	32.8	-28.7	0	41.51	-	-	-	-	68.2	-26.69	86	386	H
3	17.101	33.74	PK-U	41.4	-19.3	0	55.84	-	-	-	-	68.2	-12.36	353	173	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

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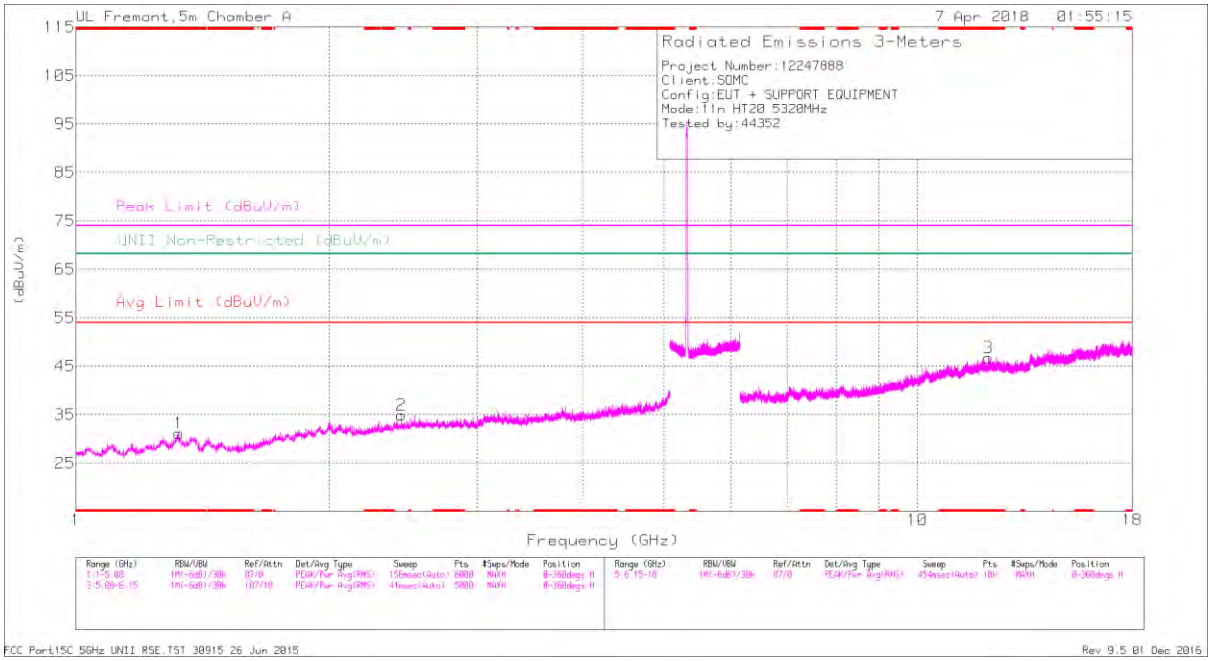
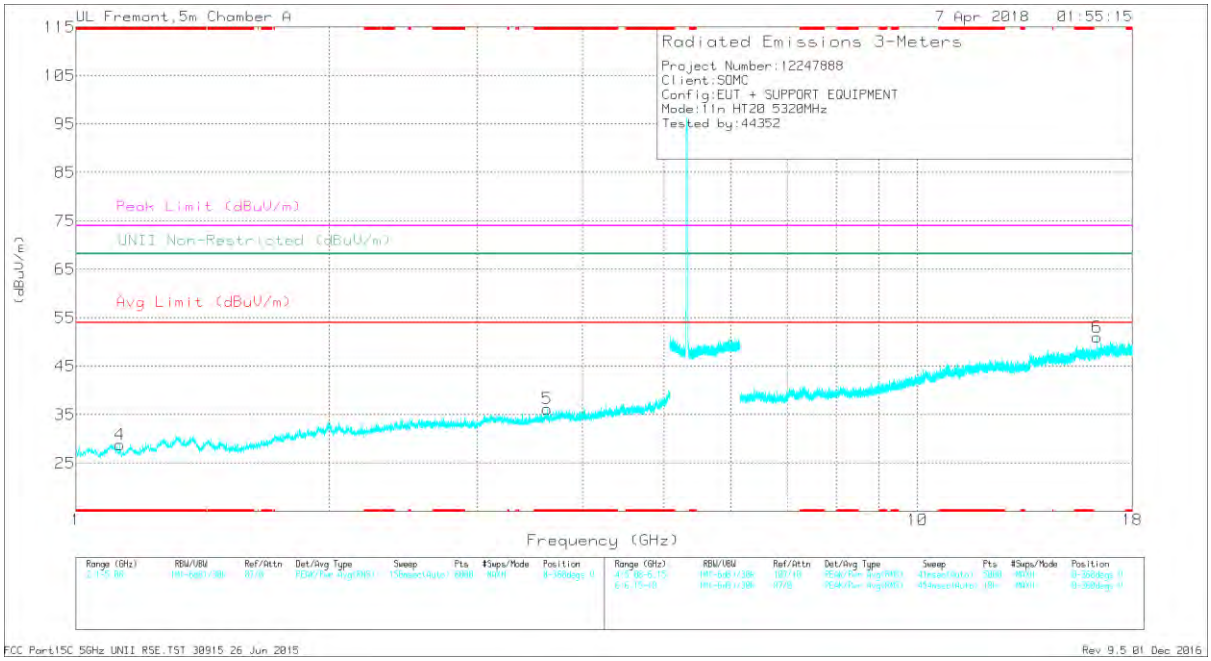
HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	* 1.325	39.54	PK-U	29.5	-31.7	0	37.34	-	-	74	-36.66	-	-	105	116	H
	* 1.324	27.59	ADR	29.5	-31.8	.12	25.41	54	-28.59	-	-	-	-	105	116	H
4	* 1.127	39.45	PK-U	27.7	-32.1	0	35.05	-	-	74	-38.95	-	-	106	347	V
	* 1.126	26.8	ADR	27.7	-32.1	.12	22.52	54	-31.48	-	-	-	-	106	347	V
5	* 3.633	37.81	PK-U	32.9	-29.2	0	41.51	-	-	74	-32.49	-	-	53	164	V
	* 3.634	25.66	ADR	32.9	-29.2	.12	29.48	54	-24.52	-	-	-	-	53	164	V
3	* 12.148	32.68	PK-U	39	-18.8	0	52.88	-	-	74	-21.12	-	-	240	158	H
	* 12.146	20.07	ADR	39	-18.8	.12	40.39	54	-13.61	-	-	-	-	240	158	H
2	2.44	41.44	PK-U	32.1	-30.7	0	42.84	-	-	-	-	68.2	-25.36	258	382	H
6	16.342	33.68	PK-U	40.8	-18.2	0	56.28	-	-	-	-	68.2	-11.92	304	206	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

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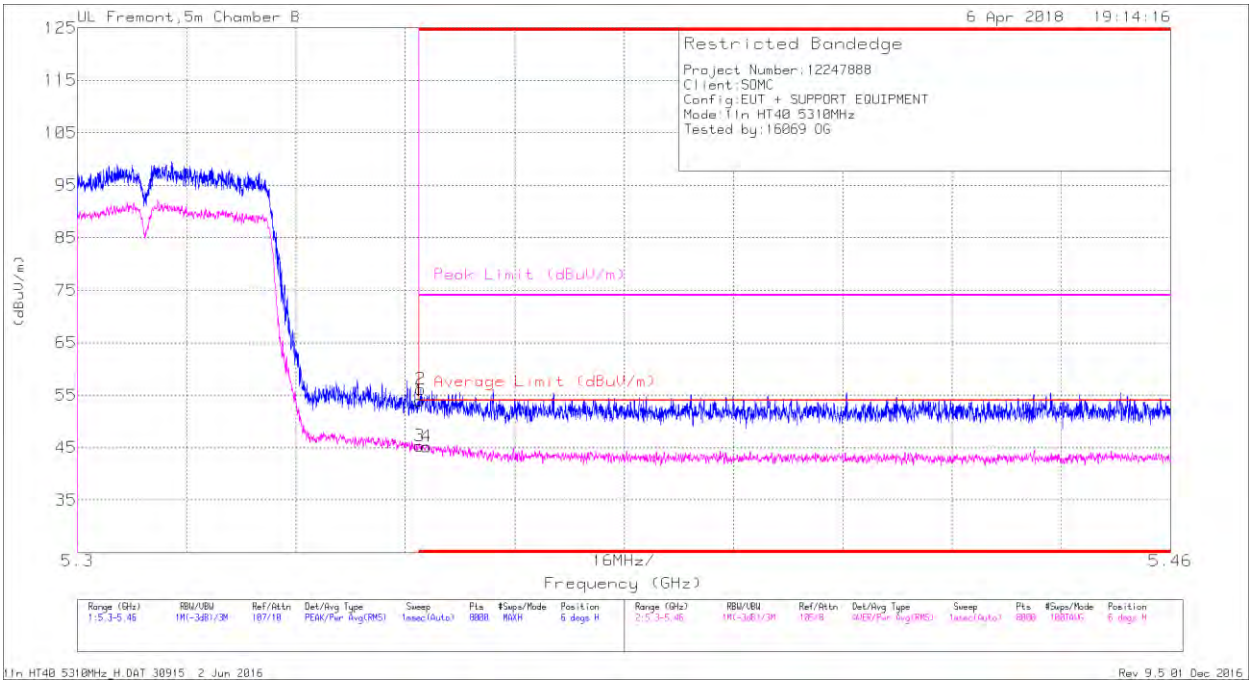
9.1.7. TX ABOVE 1 GHz 802.11n HT40 2TX CDD MODE IN THE 5.3 GHz BAND

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

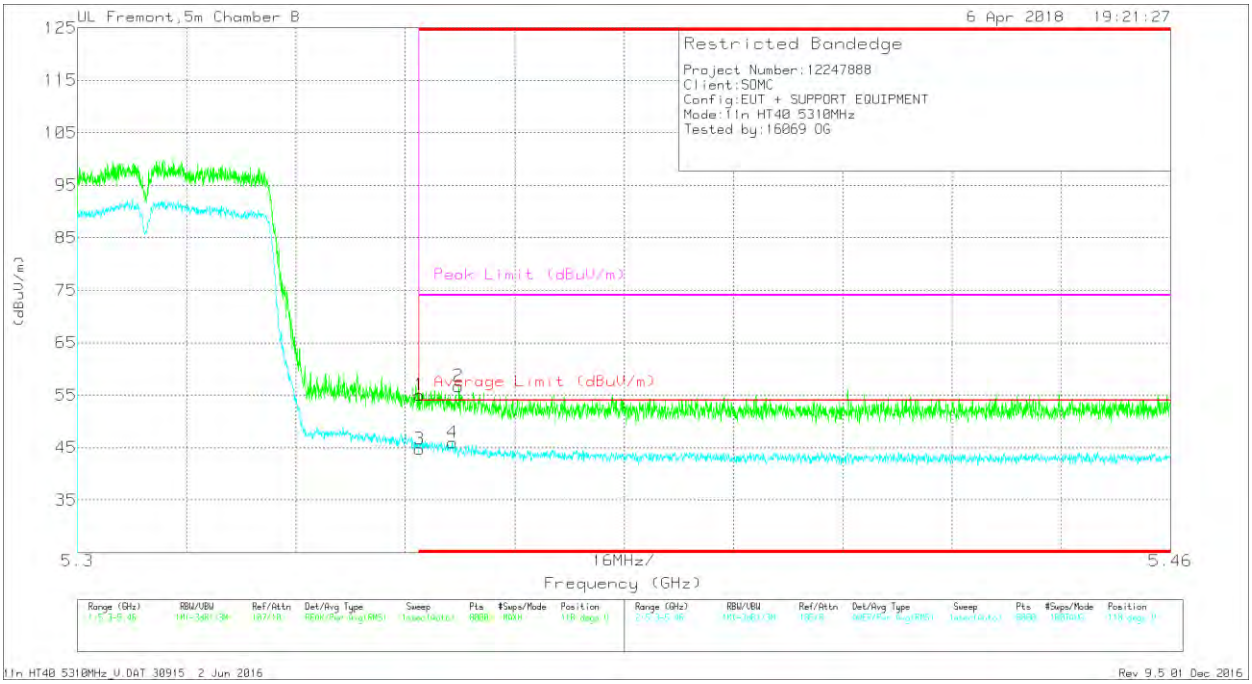


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	37.45	Pk	34.6	-18.2	0	53.85	-	-	74	-20.15	6	211	H
2	* 5.35	39.73	Pk	34.6	-18.2	0	56.13	-	-	74	-17.87	6	211	H
3	* 5.35	28.82	RMS	34.6	-18.2	.42	45.64	54	-8.36	-	-	6	211	H
4	* 5.351	28.7	RMS	34.6	-18.2	.42	45.52	54	-8.48	-	-	6	211	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



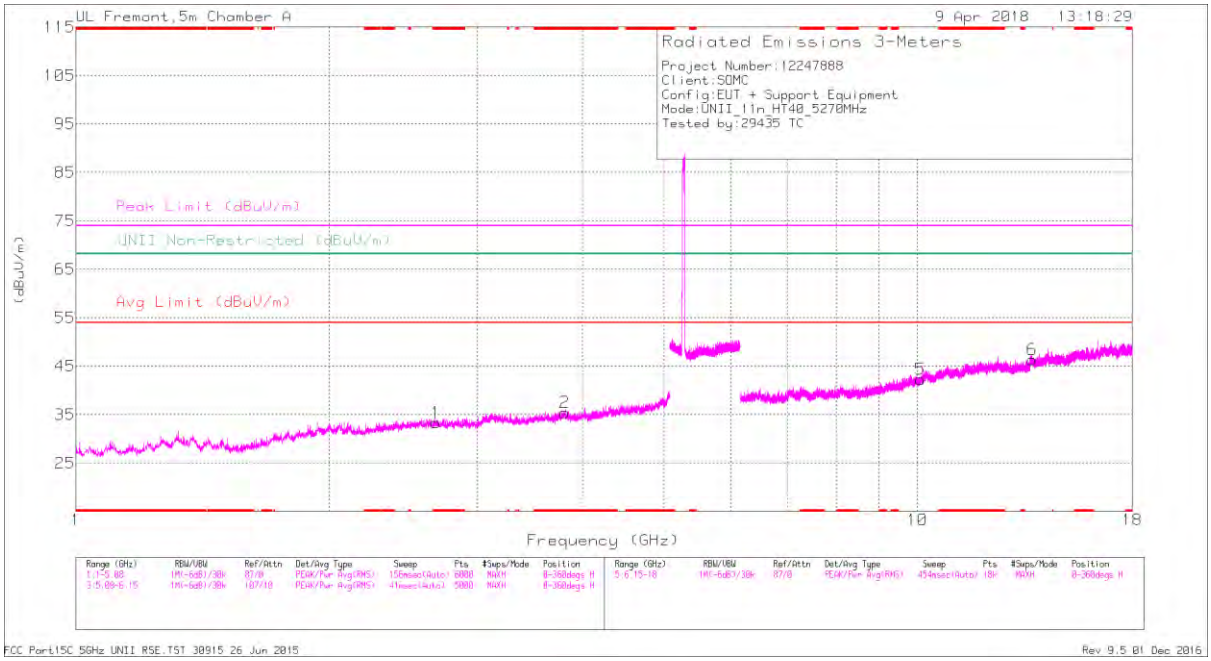
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	38.57	Pk	34.6	-18.2	0	54.97	-	-	74	-19.03	118	176	V
3	* 5.35	28.22	RMS	34.6	-18.2	.42	45.04	54	-8.96	-	-	118	176	V
4	* 5.355	29.4	RMS	34.6	-18.2	.42	46.22	54	-7.78	-	-	118	176	V
2	* 5.356	40.29	Pk	34.6	-18.2	0	56.69	-	-	74	-17.31	118	176	V

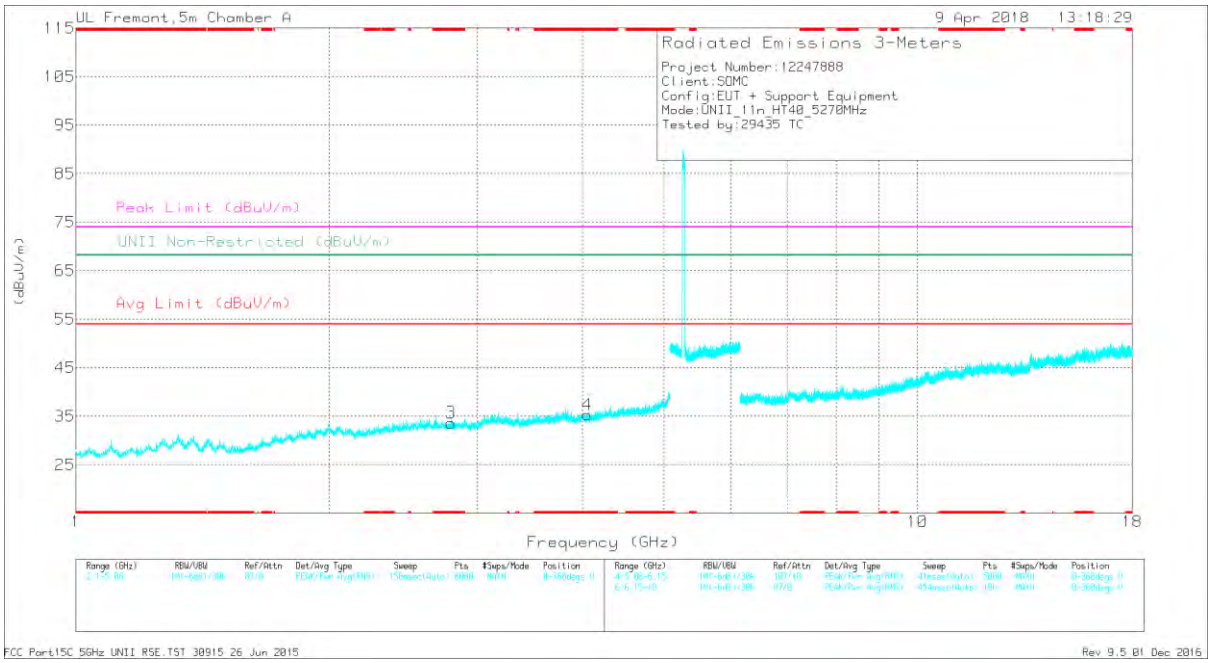
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



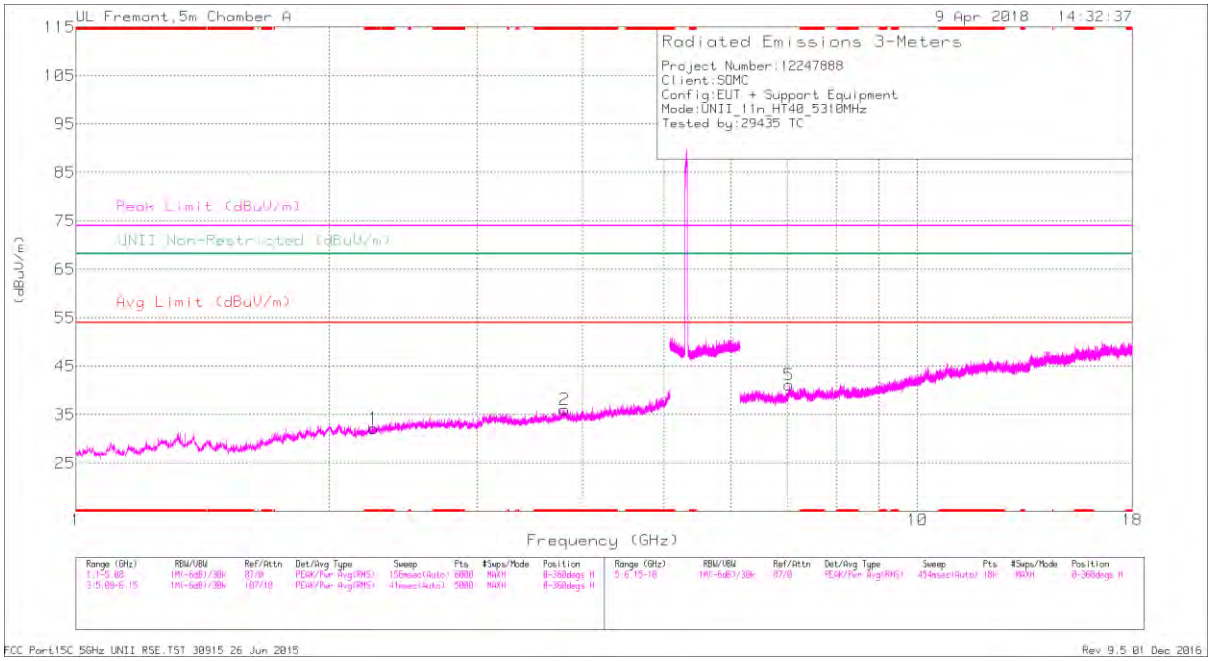
VERTICAL

RADIATED EMISSIONS

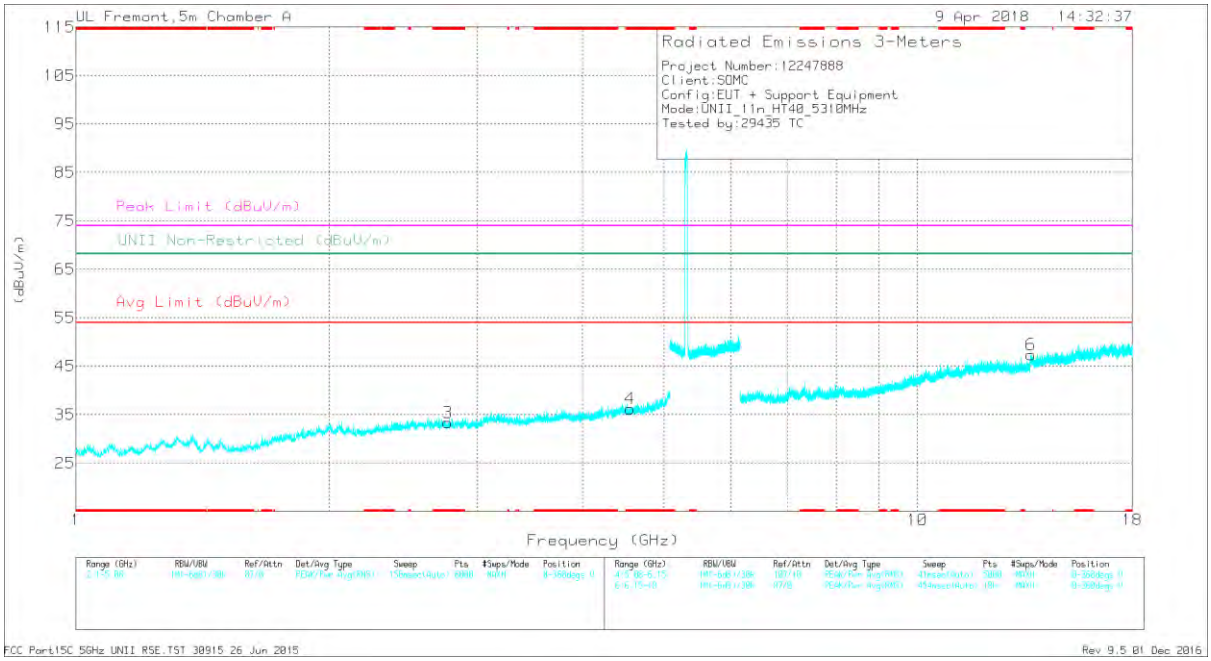
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.679	38.65	PK-U	32.5	-30.4	0	40.75	-	-	74	-33.25	-	-	90	189	H
	* 2.678	26.43	ADR	32.5	-30.4	.42	28.95	54	-25.05	-	-	-	-	90	189	H
2	* 3.81	37.27	PK-U	33.2	-28.1	0	42.37	-	-	74	-31.63	-	-	237	400	H
	* 3.812	25.4	ADR	33.2	-28	.42	31.02	54	-22.98	-	-	-	-	237	400	H
3	* 2.791	37.84	PK-U	32.2	-29.9	0	40.14	-	-	74	-33.86	-	-	109	232	V
	* 2.787	26.15	ADR	32.2	-30	.42	28.77	54	-25.23	-	-	-	-	109	232	V
4	* 4.053	36.93	PK-U	33.4	-28.3	0	42.03	-	-	74	-31.97	-	-	47	160	V
	* 4.051	24.91	ADR	33.4	-28.2	.42	30.53	54	-23.47	-	-	-	-	47	160	V
5	10.082	25.58	Pk-U	37.4	-20.7	0	42.28	-	-	-	-	68.2	-25.92	121	101	H
6	13.694	26.49	Pk-U	39.3	-19.4	0	46.39	-	-	-	-	68.2	-21.81	315	199	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 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

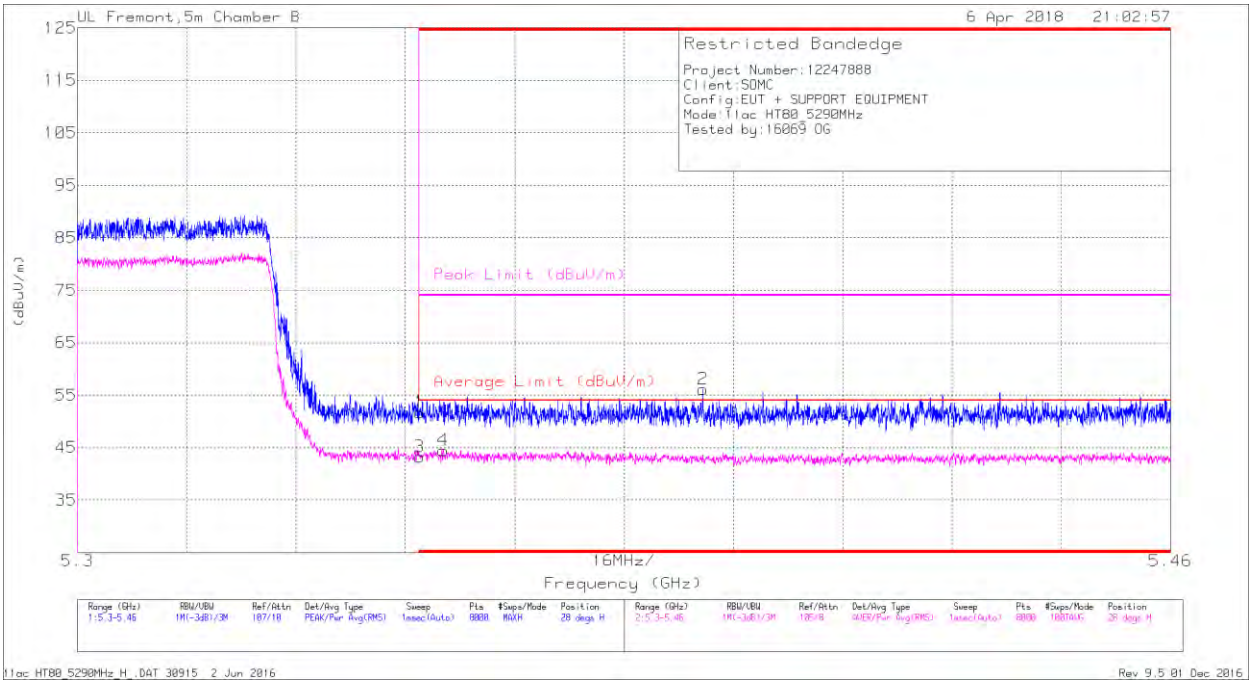
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.258	39.47	PK-U	31.5	-31	0	39.97	-	-	74	-34.03	-	-	31	274	H
	* 2.259	26.49	ADR	31.5	-31	.42	27.41	54	-26.59	-	-	-	-	31	274	H
2	* 3.806	37.45	PK-U	33.2	-28.1	0	42.55	-	-	74	-31.45	-	-	240	288	H
	* 3.808	25.34	ADR	33.2	-28.1	.42	30.86	54	-23.14	-	-	-	-	240	288	H
3	* 2.769	37.67	PK-U	32.3	-30	0	39.97	-	-	74	-34.03	-	-	317	135	V
	* 2.766	25.86	ADR	32.3	-30	.42	28.58	54	-25.42	-	-	-	-	317	135	V
4	* 4.556	36.42	PK-U	34	-27.9	0	42.52	-	-	74	-31.48	-	-	164	318	V
	* 4.558	25.05	ADR	34	-27.9	.42	31.57	54	-22.43	-	-	-	-	164	318	V
5	7.037	28.31	Pk-U	35.6	-22.8	0	41.11	-	-	-	-	68.2	-27.09	88	199	H
6	13.646	26.89	Pk-U	39.3	-18.8	0	47.39	-	-	-	-	68.2	-20.81	163	200	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

9.1.8. TX ABOVE 1 GHz 802.11ac VHT80 2TX CDD MODE IN THE 5.3 GHz BAND

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

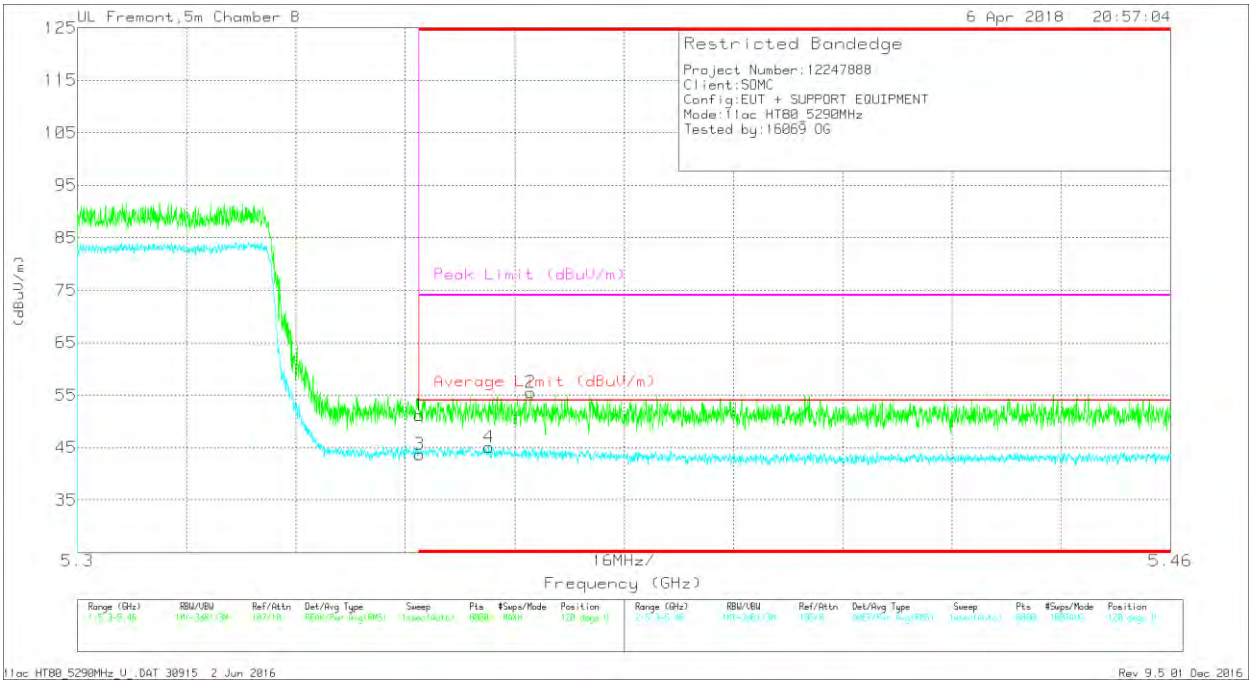


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	35.31	Pk	34.6	-18.2	0	51.71	-	-	74	-22.29	28	246	H
3	* 5.35	26.78	RMS	34.6	-18.2	.43	43.61	54	-10.39	-	-	28	246	H
4	* 5.354	27.92	RMS	34.6	-18.2	.43	44.75	54	-9.25	-	-	28	246	H
2	* 5.392	39.88	Pk	34.6	-18.3	0	56.18	-	-	74	-17.82	28	246	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



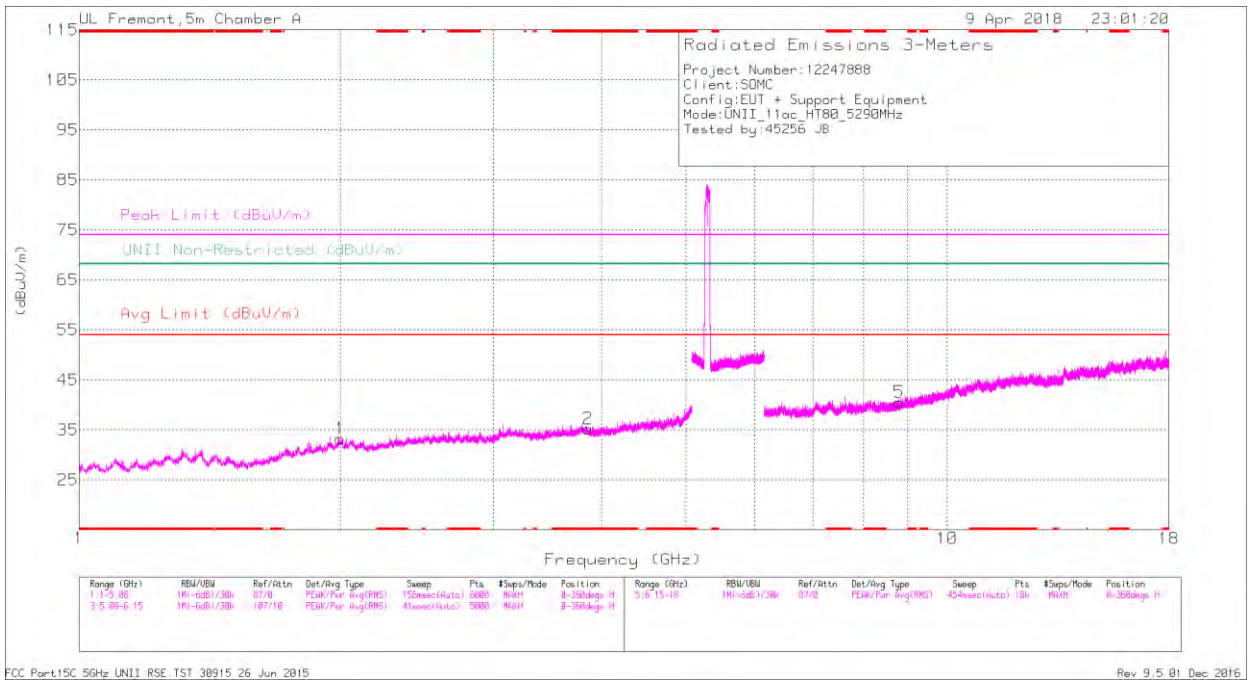
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	34.77	Pk	34.6	-18.2	0	51.17	-	-	74	-22.83	120	220	V
3	* 5.35	27.19	RMS	34.6	-18.2	.43	44.02	54	-9.98	-	-	120	220	V
4	* 5.36	28.69	RMS	34.6	-18.3	.43	45.42	54	-8.58	-	-	120	220	V
2	* 5.366	39.16	Pk	34.6	-18.3	0	55.46	-	-	74	-18.54	120	220	V

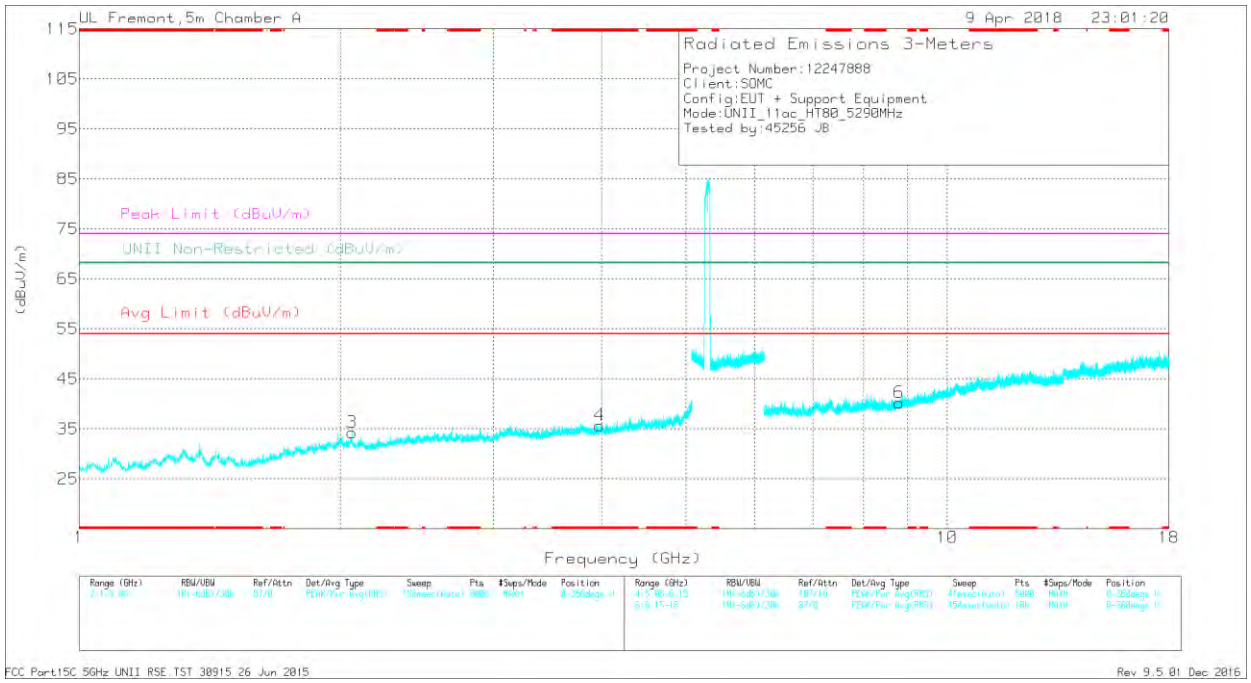
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	* 3.855	37.1	PK-U	33	-28.4	0	41.7	-	-	74	-32.3	-	-	65	106	H
	* 3.853	25.65	ADR	33	-28.4	.43	30.68	54	-23.32	-	-	-	-	65	106	H
4	* 3.977	36.58	PK-U	33.3	-28.3	0	41.58	-	-	74	-32.42	-	-	316	147	V
	* 3.975	24.96	ADR	33.3	-28.3	.43	30.39	54	-23.61	-	-	-	-	316	147	V
1	2.001	38.95	PK-U	31.4	-30.6	0	39.75	-	-	-	-	68.2	-28.45	73	140	H
3	2.062	38.75	PK-U	31.3	-30.5	0	39.55	-	-	-	-	68.2	-28.65	129	362	V
5	8.798	33.48	PK-U	36	-22.4	0	47.08	-	-	-	-	68.2	-21.12	268	175	H
6	8.798	32.99	PK-U	36	-22.4	0	46.59	-	-	-	-	68.2	-21.61	77	307	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

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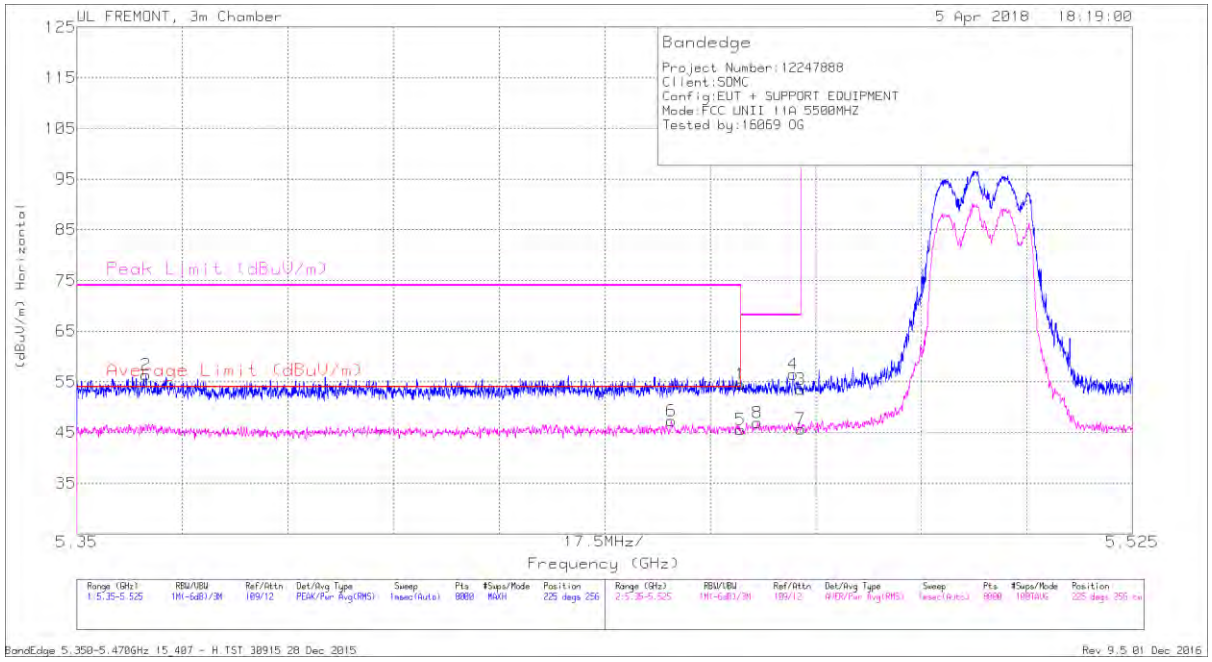
9.1.9. TX ABOVE 1 GHz 802.11a 2TX CDD MODE IN THE 5.6 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

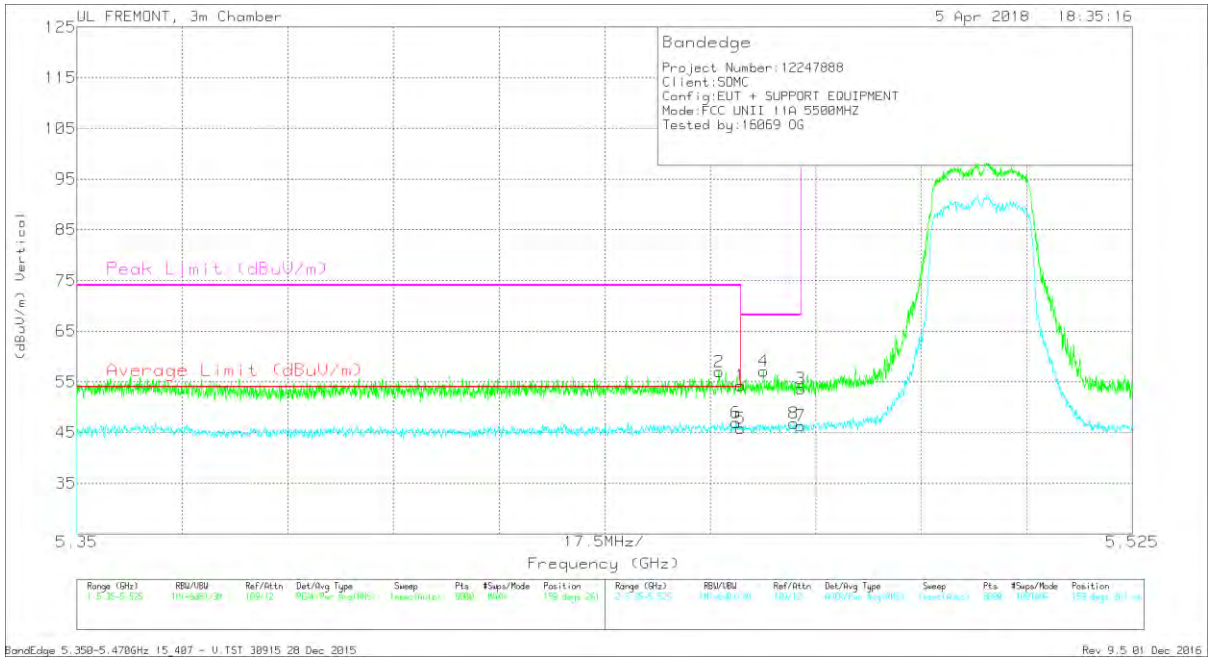


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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
2	5.361	39.87	Pk	34.7	-18.2	0	56.37	-	-	74	-17.63	225	256	H
6	5.449	31.79	RMS	34.7	-19.3	.09	47.28	54	-6.72	-	-	225	256	H
1	5.46	39.17	Pk	34.7	-19.4	0	54.47	-	-	74	-19.53	225	256	H
5	5.46	30.16	RMS	34.7	-19.4	.09	45.55	54	-8.45	-	-	225	256	H
8	5.463	31.51	RMS	34.7	-19.4	.09	46.9	-	-	-	-	225	256	H
4	5.469	41.15	Pk	34.7	-19.4	0	56.45	-	-	68.2	-11.75	225	256	H
3	5.47	38.27	Pk	34.7	-19.4	0	53.57	-	-	68.2	-14.63	225	256	H
7	5.47	30.29	RMS	34.7	-19.4	.09	45.68	-	-	-	-	225	256	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



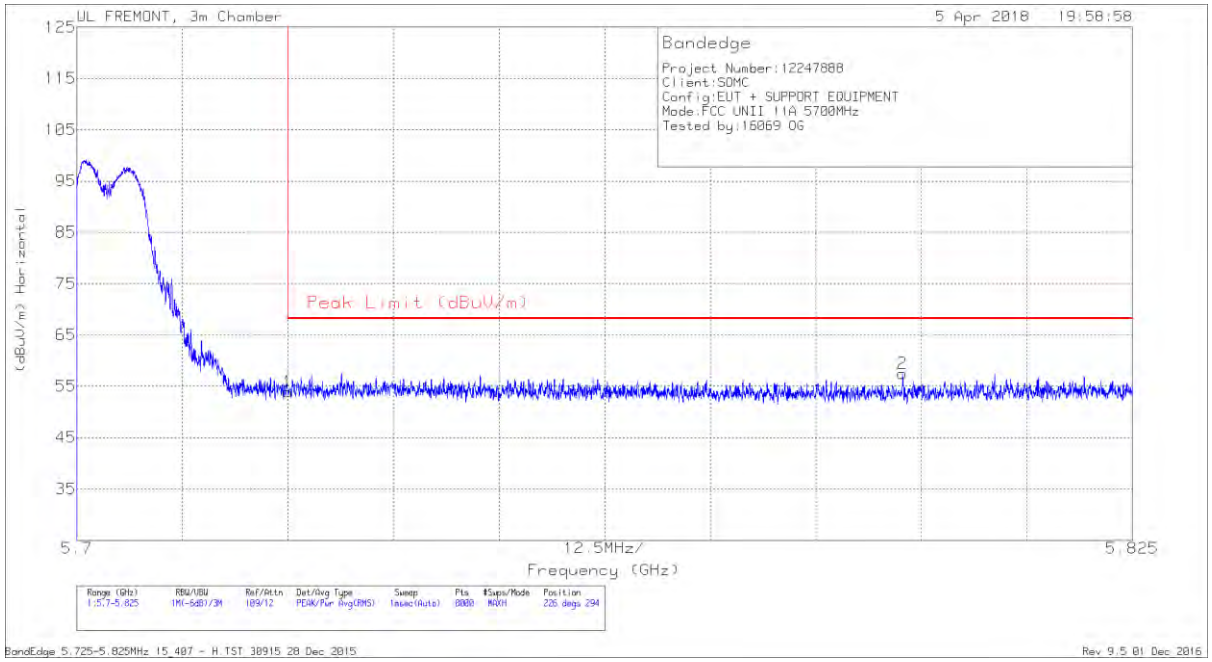
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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
2	5.456	41.65	Pk	34.7	-19.4	0	56.95	-	-	74	-17.05	159	261	V
6	5.459	31.57	RMS	34.7	-19.4	.09	46.96	54	-7.04	-	-	159	261	V
1	5.46	38.98	Pk	34.7	-19.4	0	54.28	-	-	74	-19.72	159	261	V
5	5.46	30.45	RMS	34.7	-19.4	.09	45.84	54	-8.16	-	-	159	261	V
4	5.464	41.69	Pk	34.7	-19.3	0	57.09	-	-	68.2	-11.11	159	261	V
8	5.469	31.39	RMS	34.7	-19.4	.09	46.78	-	-	-	-	159	261	V
3	5.47	38.39	Pk	34.7	-19.4	0	53.69	-	-	68.2	-14.51	159	261	V
7	5.47	30.92	RMS	34.7	-19.4	.09	46.31	-	-	-	-	159	261	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

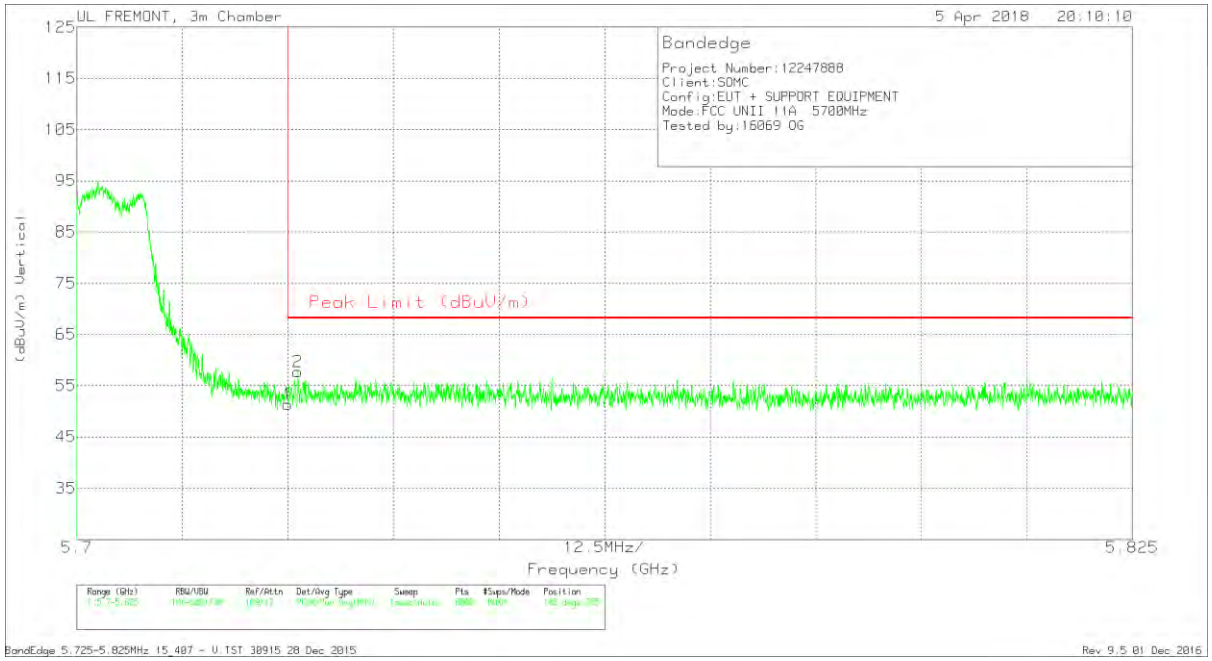


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.97	Pk	34.9	-19.9	0	53.97	68.2	-14.23	226	294	H
2	5.798	42.8	Pk	35	-20.3	0	57.5	68.2	-10.7	226	294	H

Pk - Peak detector

VERTICAL RESULT



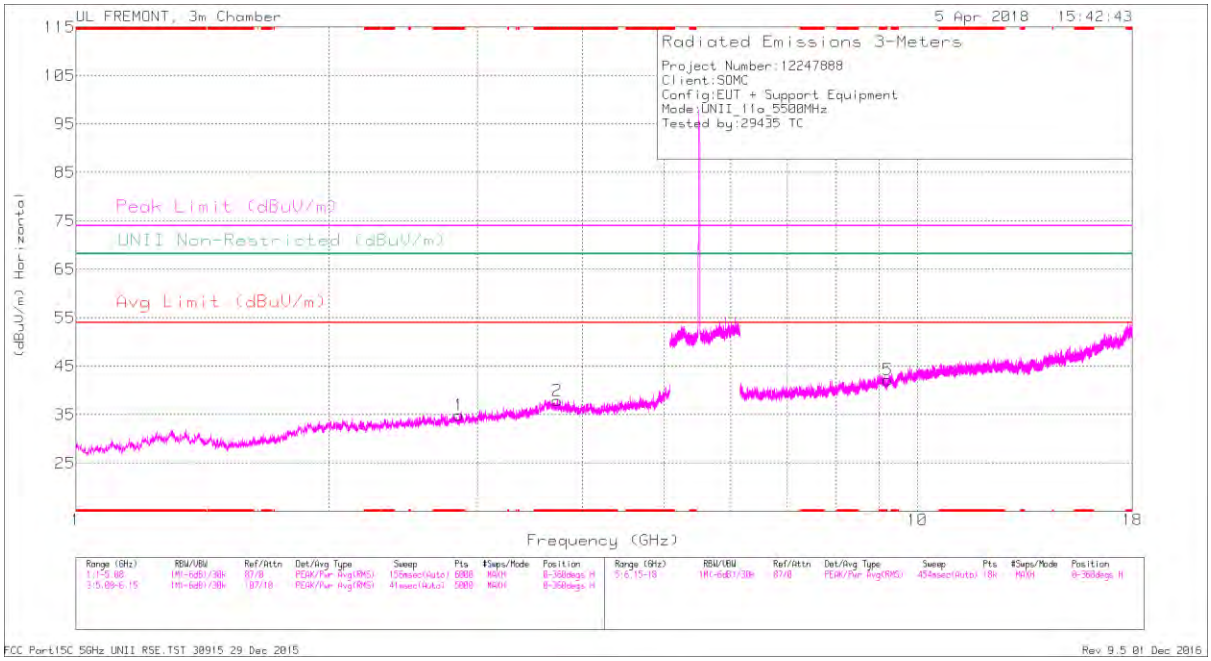
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.3	Pk	34.9	-19.9	51.3	68.2	-16.9	148	285	V
2	5.726	42.7	Pk	34.9	-19.9	57.7	68.2	-10.5	148	285	V

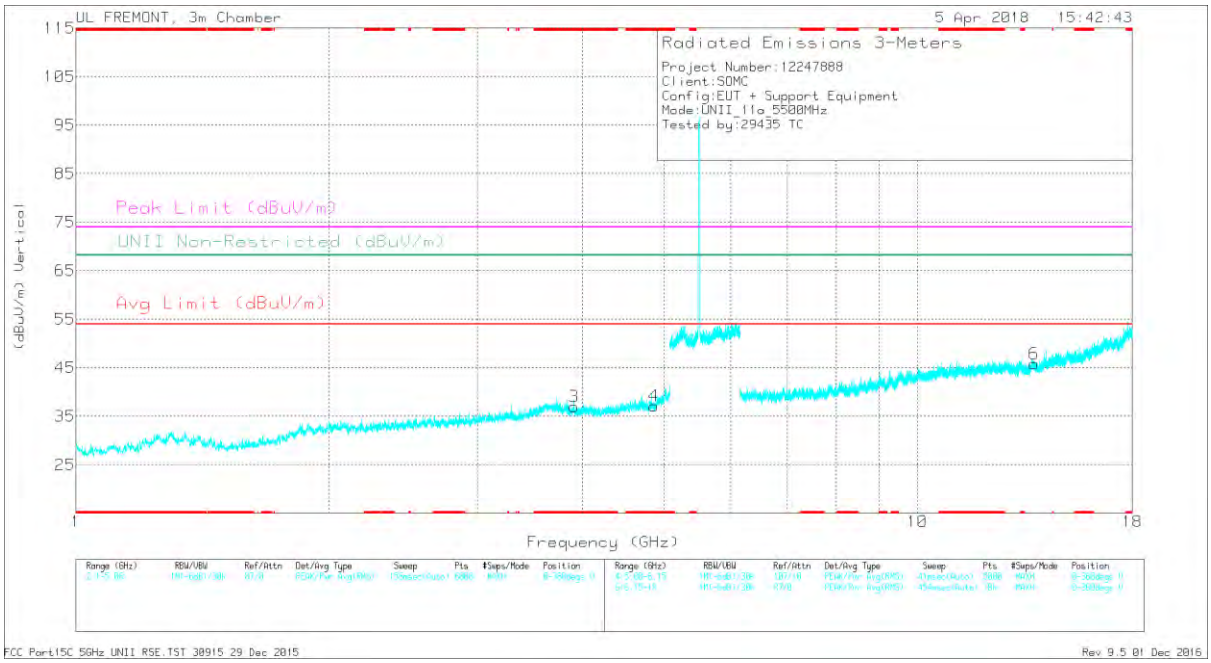
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



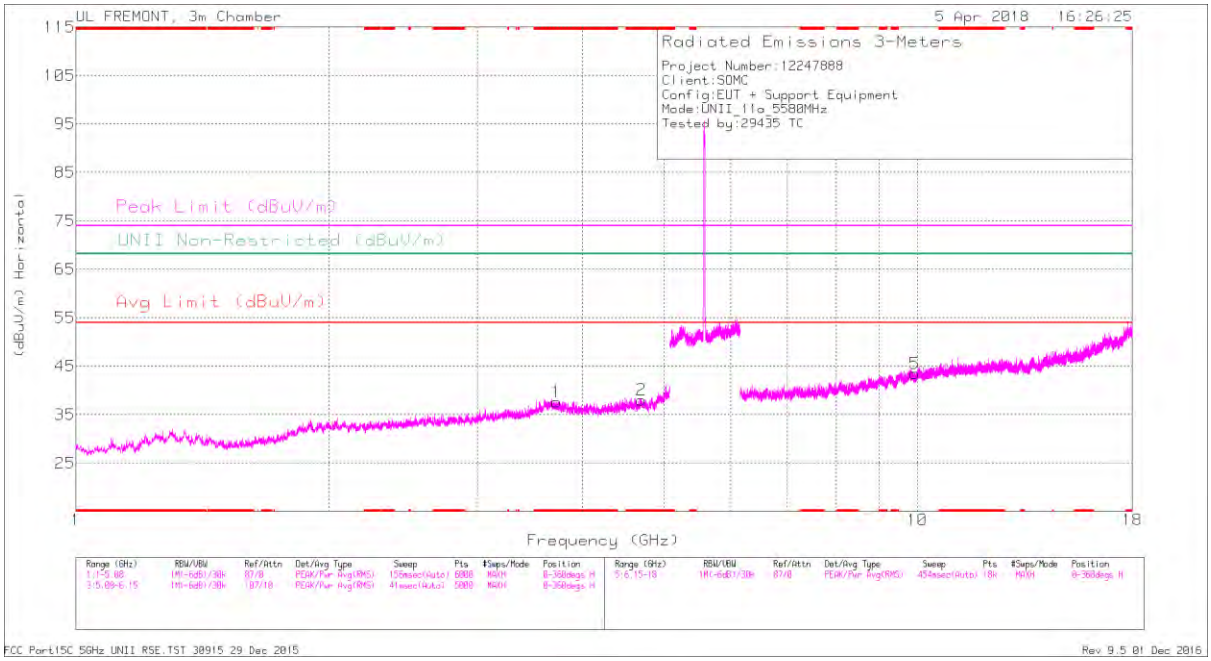
VERTICAL

RADIATED EMISSIONS

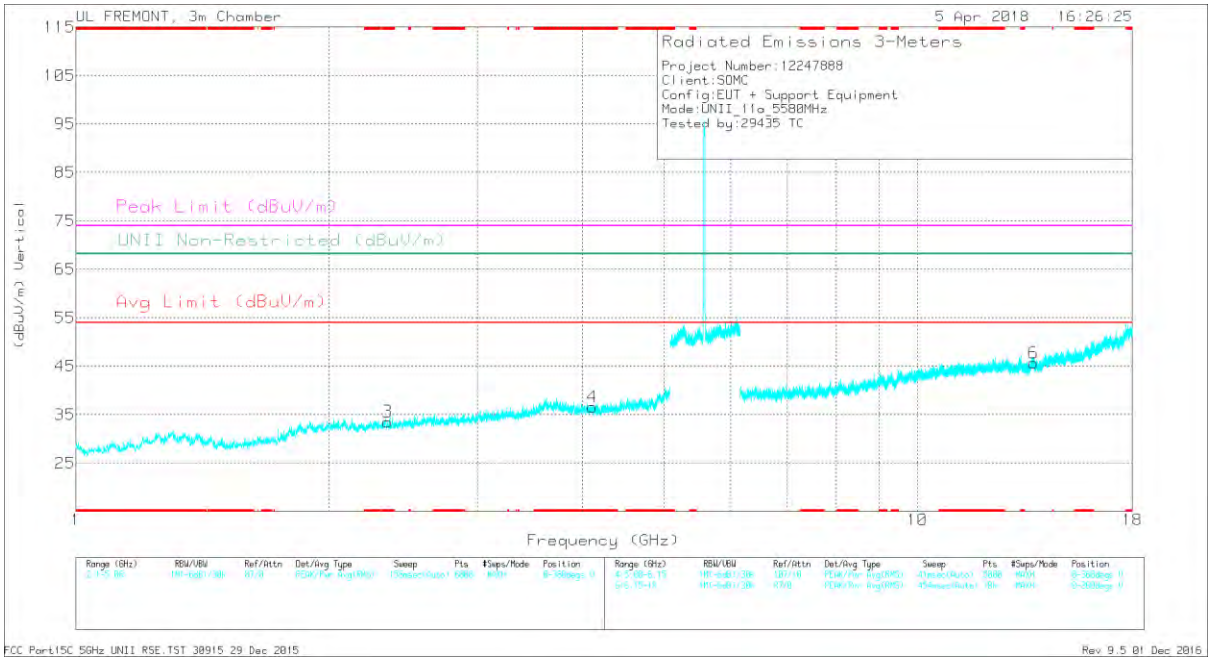
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.856	38.08	PK-U	32.7	-29.8	0	40.98	-	-	74	-33.02	-	-	310	108	H
	* 2.856	26.44	ADR	32.7	-29.7	.09	29.53	54	-24.47	-	-	-	-	310	108	H
2	* 3.728	38.27	PK-U	34	-27.1	0	45.17	-	-	74	-28.83	-	-	304	341	H
	* 3.728	26.24	ADR	34	-27	.09	33.33	54	-20.67	-	-	-	-	304	341	H
3	* 3.913	38.41	PK-U	33.5	-28.3	0	43.61	-	-	74	-30.39	-	-	14	357	V
	* 3.911	26.78	ADR	33.5	-28.4	.09	31.97	54	-22.03	-	-	-	-	14	357	V
4	* 4.864	37.74	PK-U	34.1	-27.7	0	44.14	-	-	74	-29.86	-	-	355	400	V
	* 4.864	26.17	ADR	34.1	-27.7	.09	32.66	54	-21.34	-	-	-	-	355	400	V
5	9.219	27.72	Pk-U	36.3	-21.8	0	42.22	-	-	-	-	68.2	-25.98	51	100	H
6	13.76	29.16	Pk-U	38.8	-22.1	0	45.86	-	-	-	-	68.2	-22.34	210	100	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 RESULTS



HORIZONTAL



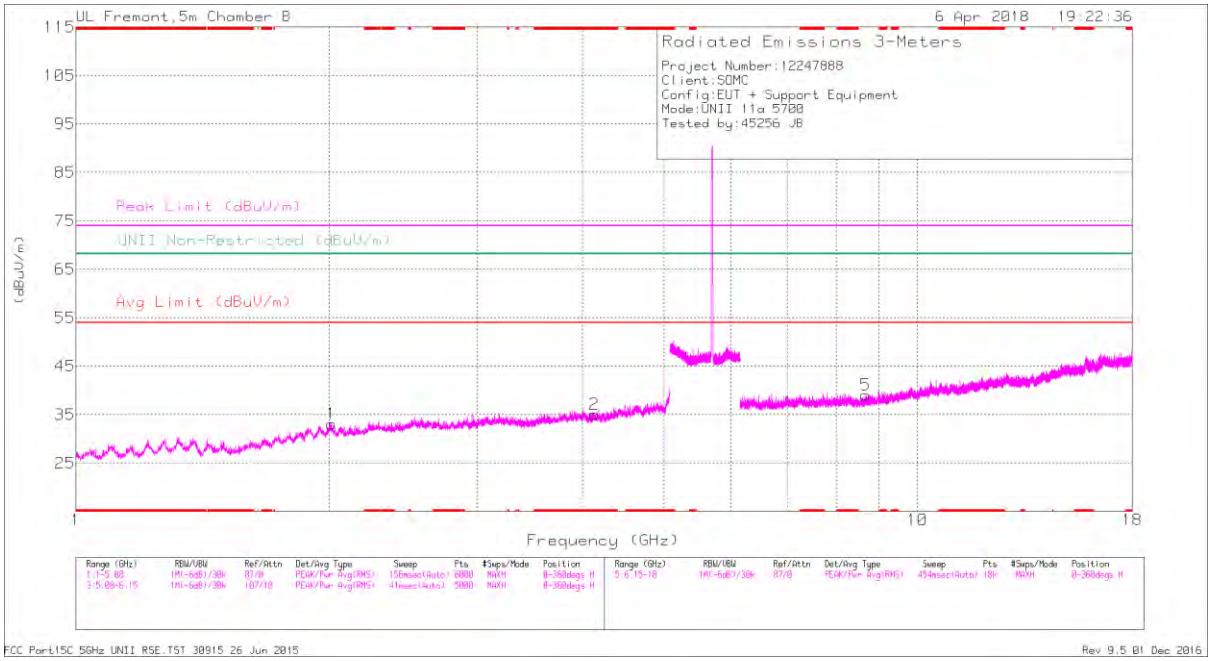
VERTICAL

RADIATED EMISSIONS

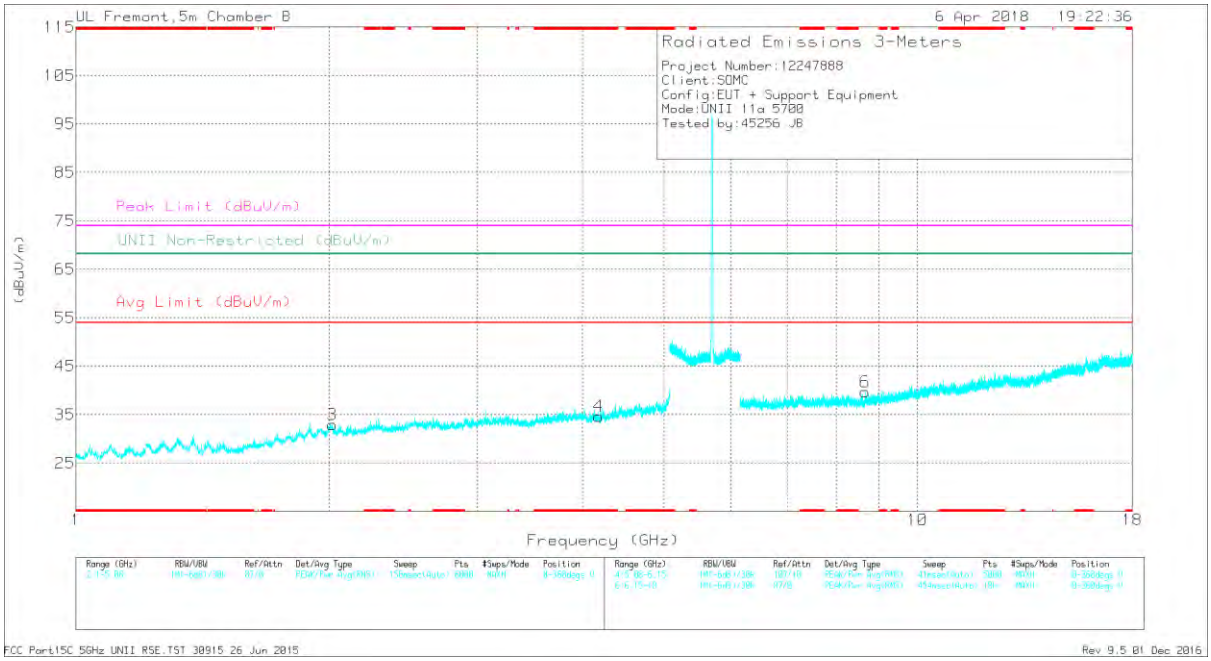
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.728	37.93	PK-U	34	-27	0	44.93	-	-	74	-29.07	-	-	311	100	H
	* 3.727	26.46	ADR	34	-27.2	.09	33.35	54	-20.65	-	-	-	-	311	100	H
2	* 4.699	37.69	PK-U	34	-27	0	44.69	-	-	74	-29.31	-	-	79	100	H
	* 4.702	26.73	ADR	34	-27.1	.09	33.72	54	-20.28	-	-	-	-	79	100	H
3	* 2.348	38.99	PK-U	31.7	-30.1	0	40.59	-	-	74	-33.41	-	-	296	279	V
	* 2.345	26.92	ADR	31.7	-30.3	.09	28.41	54	-25.59	-	-	-	-	296	279	V
4	* 4.111	37.93	PK-U	33.5	-28.2	0	43.23	-	-	74	-30.77	-	-	102	118	V
	* 4.112	26.41	ADR	33.5	-28.2	.09	31.8	54	-22.2	-	-	-	-	102	118	V
5	9.925	27.3	Pk-U	37.3	-21.1	0	43.5	-	-	-	-	68.2	-24.7	65	100	H
6	13.74	29.05	Pk-U	38.8	-22.1	0	45.75	-	-	-	-	68.2	-22.45	158	100	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 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/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	* 4.129	40	PK-U	33.4	-31	0	42.4	-	-	74	-31.6	-	-	172	162	H
	* 4.128	27.69	ADR	33.4	-31	.09	30.18	54	-23.82	-	-	-	-	172	162	H
4	* 4.177	38.84	PK-U	33.4	-30.7	0	41.54	-	-	74	-32.46	-	-	6	366	V
	* 4.177	27.4	ADR	33.4	-30.7	.09	30.19	54	-23.81	-	-	-	-	6	366	V
1	2.012	40.87	PK-U	31.3	-32.5	0	39.67	-	-	-	-	68.2	-28.53	104	209	H
3	2.015	40.84	PK-U	31.3	-32.6	0	39.54	-	-	-	-	68.2	-28.66	239	247	V
6	8.669	35.52	PK-U	36.1	-27.2	0	44.42	-	-	-	-	68.2	-23.78	281	162	V
5	8.683	35.67	PK-U	36.1	-26.9	0	44.87	-	-	-	-	68.2	-23.33	252	309	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

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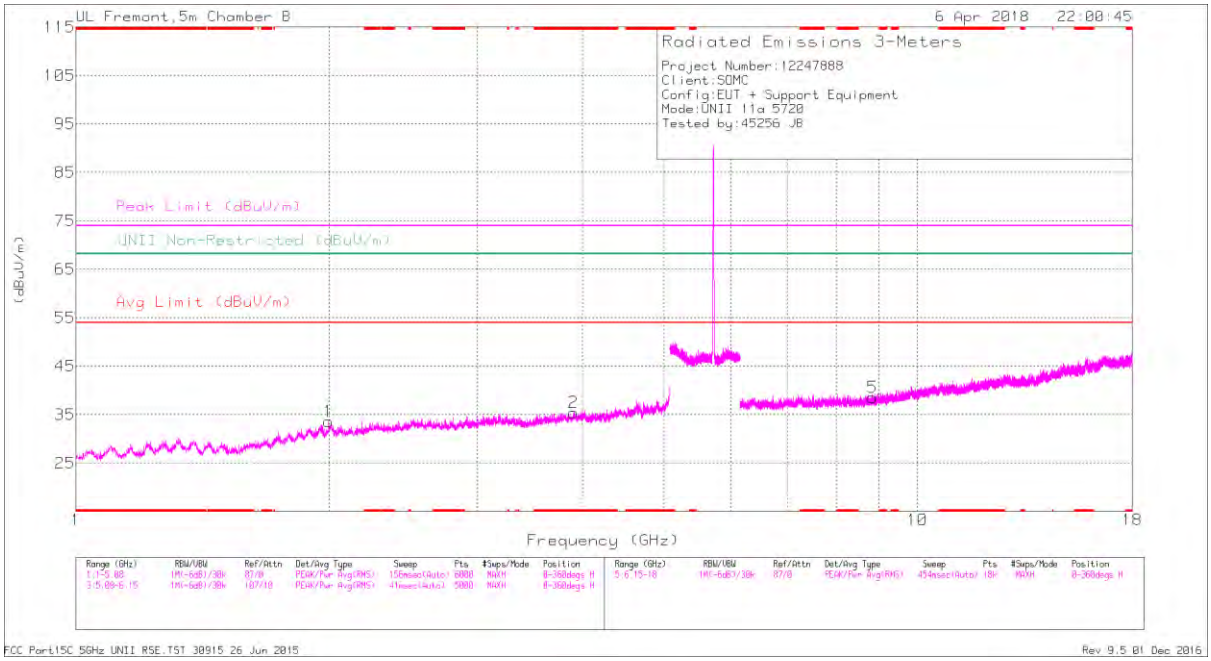
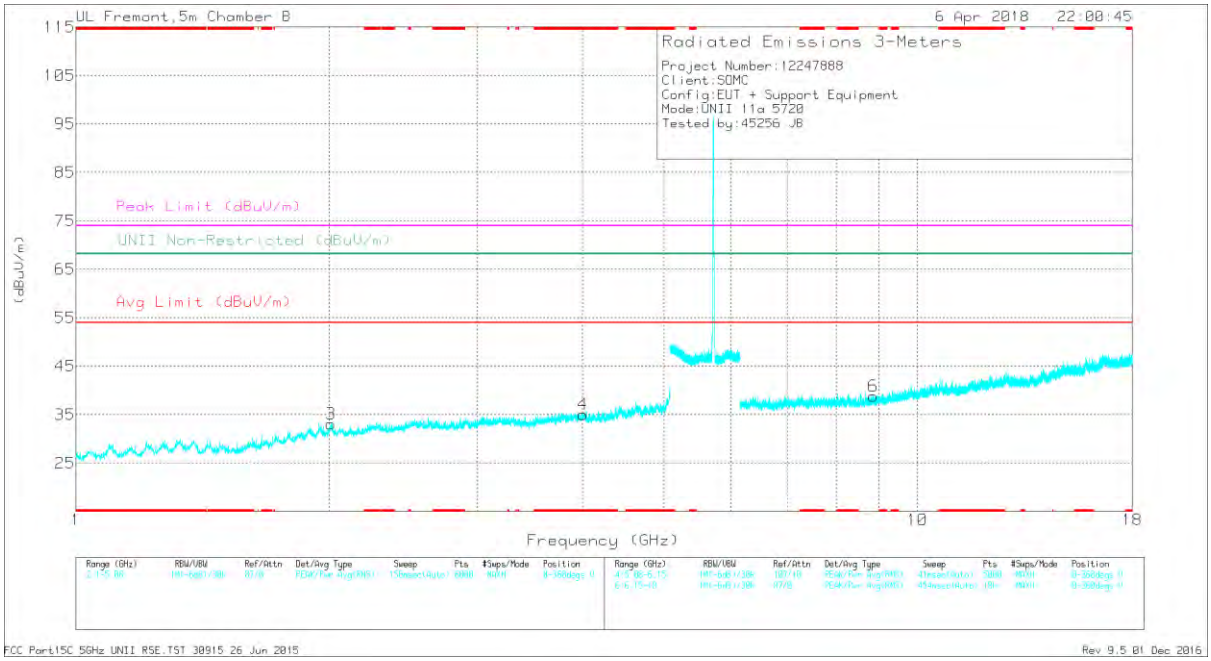
CHANNEL 144 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

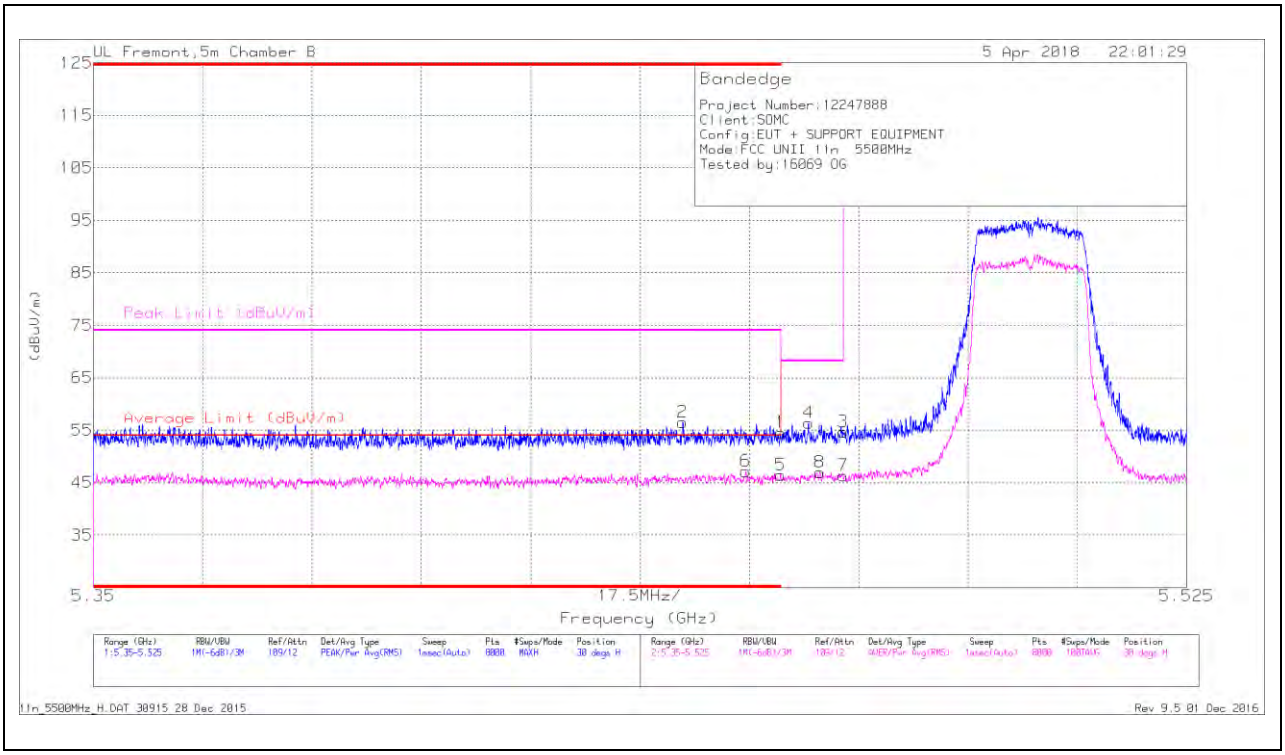
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.902	39.96	PK-U	33.5	-31.1	0	42.36	-	-	74	-31.64	-	-	348	399	H
	* 3.904	28.16	ADR	33.5	-31.1	.09	30.65	54	-23.35	-	-	-	-	348	399	H
4	* 4.004	39.98	PK-U	33.5	-30.4	0	43.08	-	-	74	-30.92	-	-	64	202	V
	* 4.007	27.29	ADR	33.5	-30.4	.09	30.48	54	-23.52	-	-	-	-	64	202	V
1	1.996	40.23	PK-U	31.3	-32.6	0	38.93	-	-	-	-	68.2	-29.27	62	124	H
3	2.011	40.69	PK-U	31.3	-32.5	0	39.49	-	-	-	-	68.2	-28.71	355	258	V
5	8.847	35.7	PK-U	36.2	-26.8	0	45.1	-	-	-	-	68.2	-23.1	125	199	H
6	8.86	34.95	PK-U	36.2	-26.7	0	44.45	-	-	-	-	68.2	-23.75	170	357	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

9.1.10. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 5.6 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

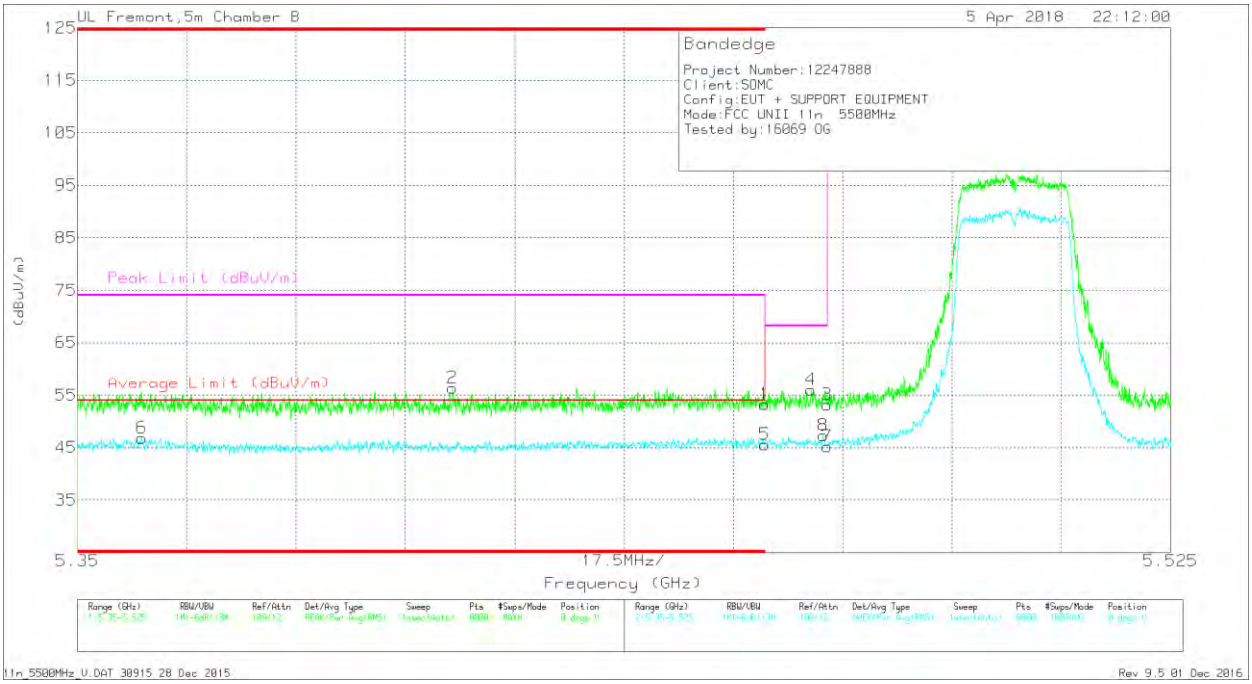


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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
2	* 5.444	41.09	Pk	34.7	-19.3	0	56.49	-	-	74	-17.51	30	279	H
6	* 5.454	31.64	RMS	34.7	-19.3	.12	47.16	54	-6.84	-	-	30	279	H
1	* 5.46	39.19	Pk	34.7	-19.4	0	54.49	-	-	74	-19.51	30	279	H
5	* 5.46	31.1	RMS	34.7	-19.4	.12	46.52	54	-7.48	-	-	30	279	H
4	5.464	41.02	Pk	34.7	-19.4	0	56.32	-	-	68.2	-11.88	30	279	H
8	5.466	31.6	RMS	34.7	-19.4	.12	47.02	-	-	-	-	30	279	H
3	5.47	39.32	Pk	34.7	-19.4	0	54.62	-	-	68.2	-13.58	30	279	H
7	5.47	30.96	RMS	34.7	-19.4	.12	46.38	-	-	-	-	30	279	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



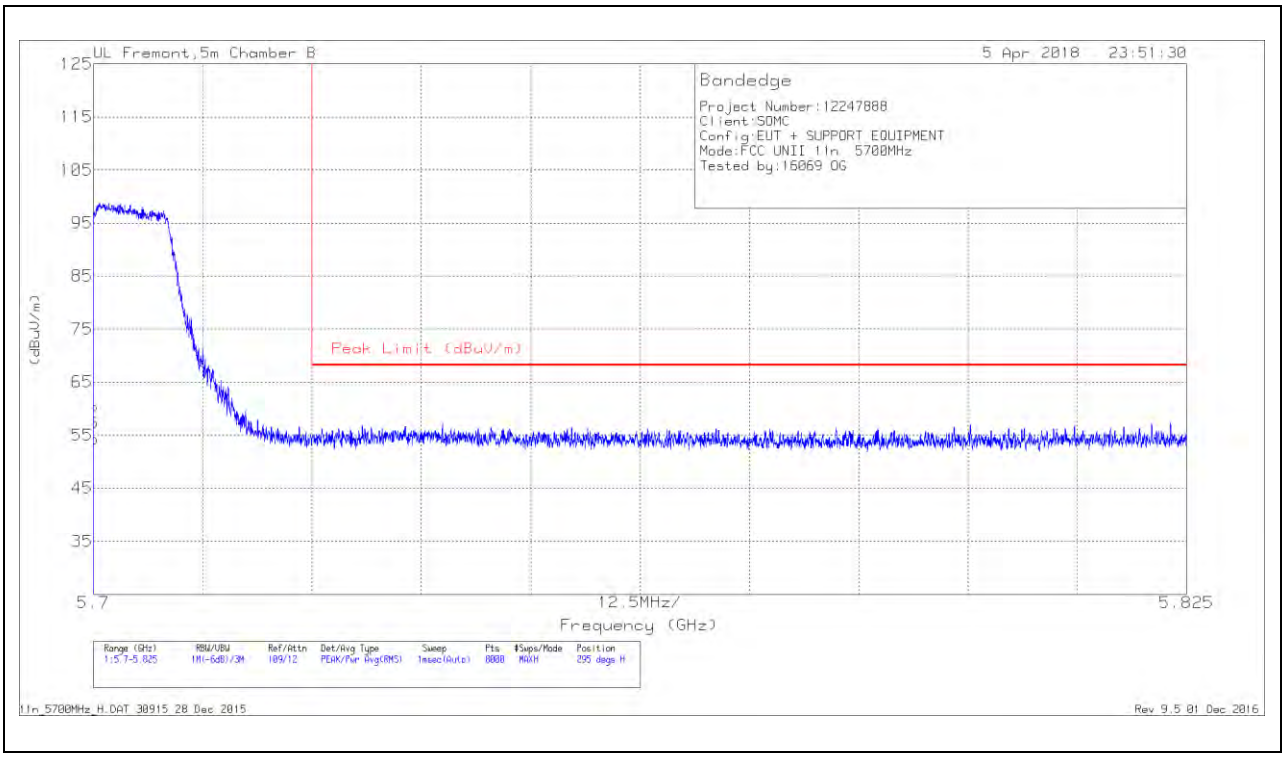
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/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
6	* 5.36	30.15	RMS	34.7	-18.1	.12	46.87	54	-7.13	-	-	0	262	V
2	* 5.41	40.72	Pk	34.8	-19.1	0	56.42	-	-	74	-17.58	0	262	V
1	* 5.46	38	Pk	34.7	-19.4	0	53.3	-	-	74	-20.7	0	262	V
5	* 5.46	30.13	RMS	34.7	-19.4	.12	45.55	54	-8.45	-	-	0	262	V
4	5.467	40.66	Pk	34.7	-19.4	0	55.96	-	-	68.2	-12.24	0	262	V
8	5.469	31.87	RMS	34.7	-19.4	.12	47.29	-	-	-	-	0	262	V
3	5.47	37.81	Pk	34.7	-19.4	0	53.11	-	-	68.2	-15.09	0	262	V
7	5.47	29.81	RMS	34.7	-19.4	.12	45.23	-	-	-	-	0	262	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

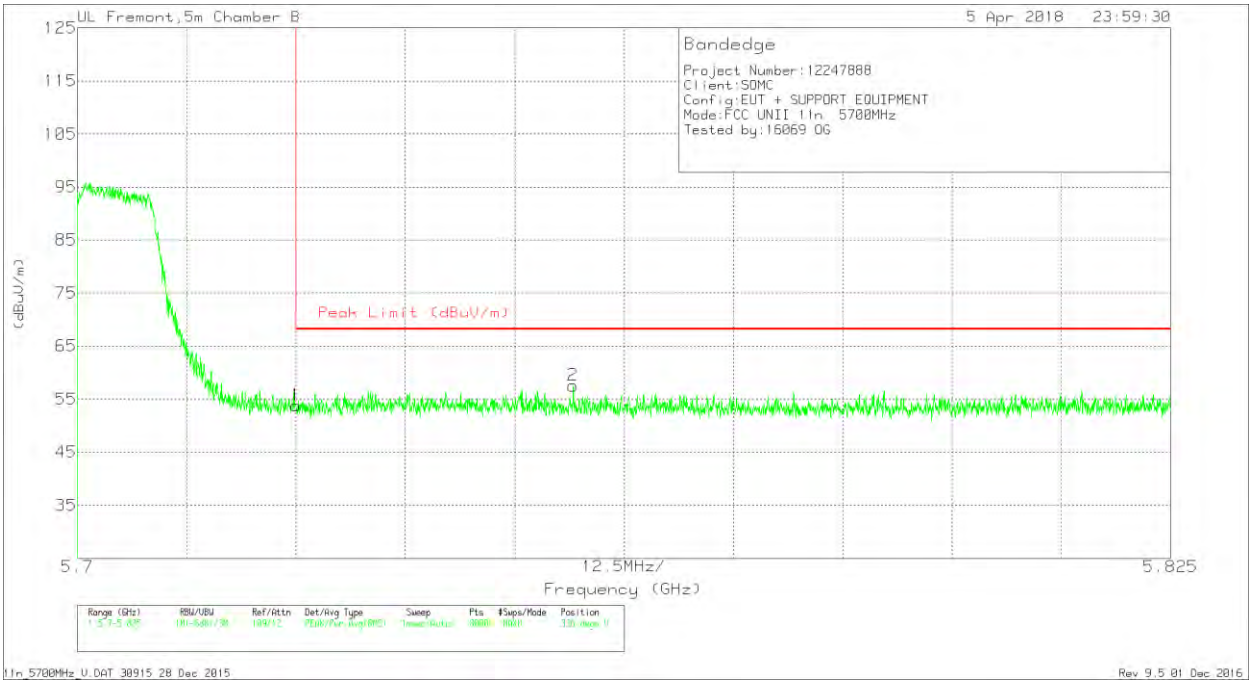


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.7	39.8	Pk	34.8	-20.3	0	54.3	-	-	295	192	H
2	5.7	42.91	Pk	34.8	-20.3	0	57.41	-	-	295	192	H

Pk - Peak detector

VERTICAL RESULT



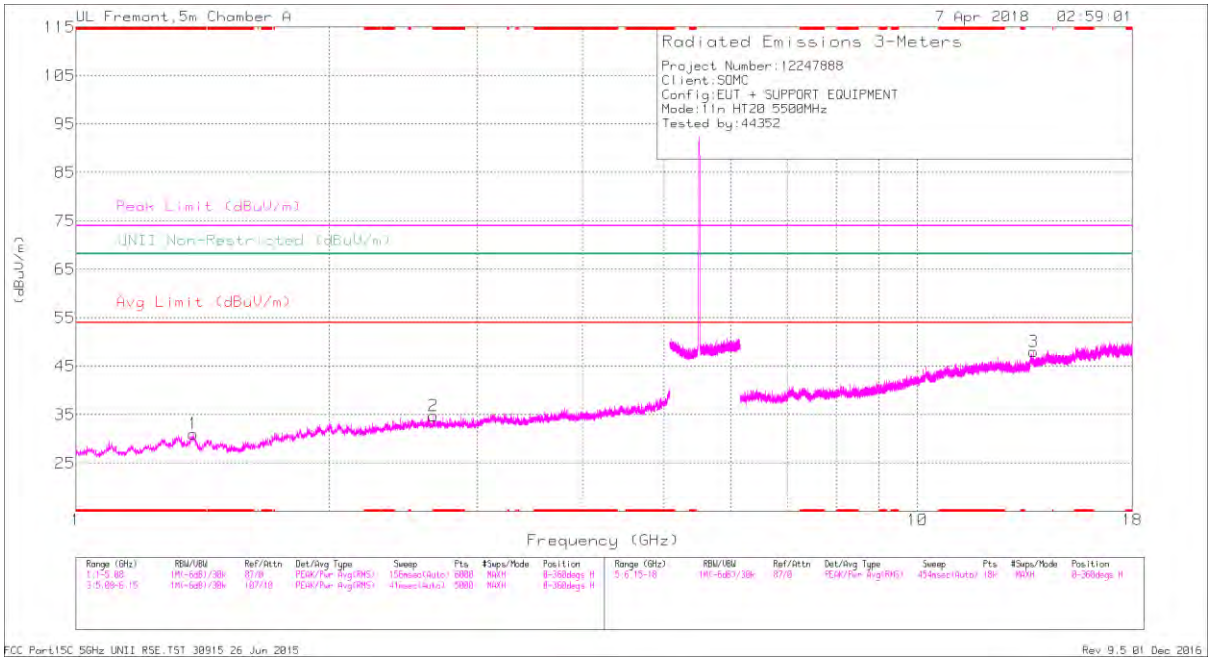
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.82	Pk	34.9	-19.9	0	53.82	68.2	-14.38	336	275	V
2	5.757	43.05	Pk	34.9	-20.4	0	57.55	68.2	-10.65	336	275	V

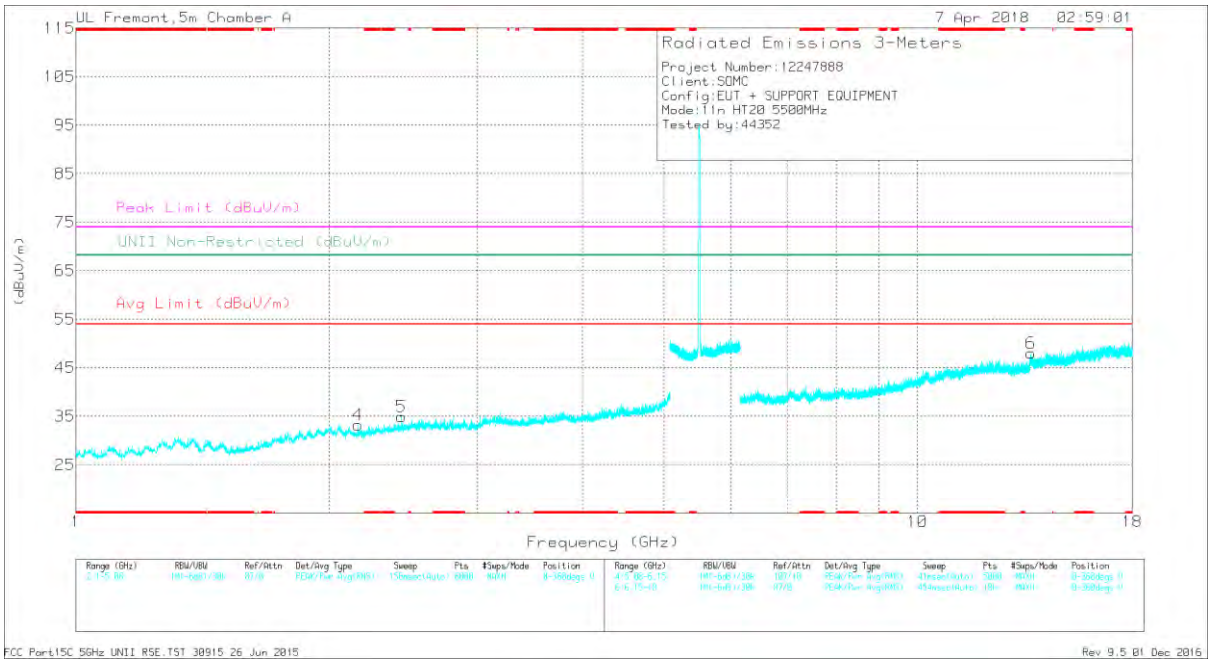
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



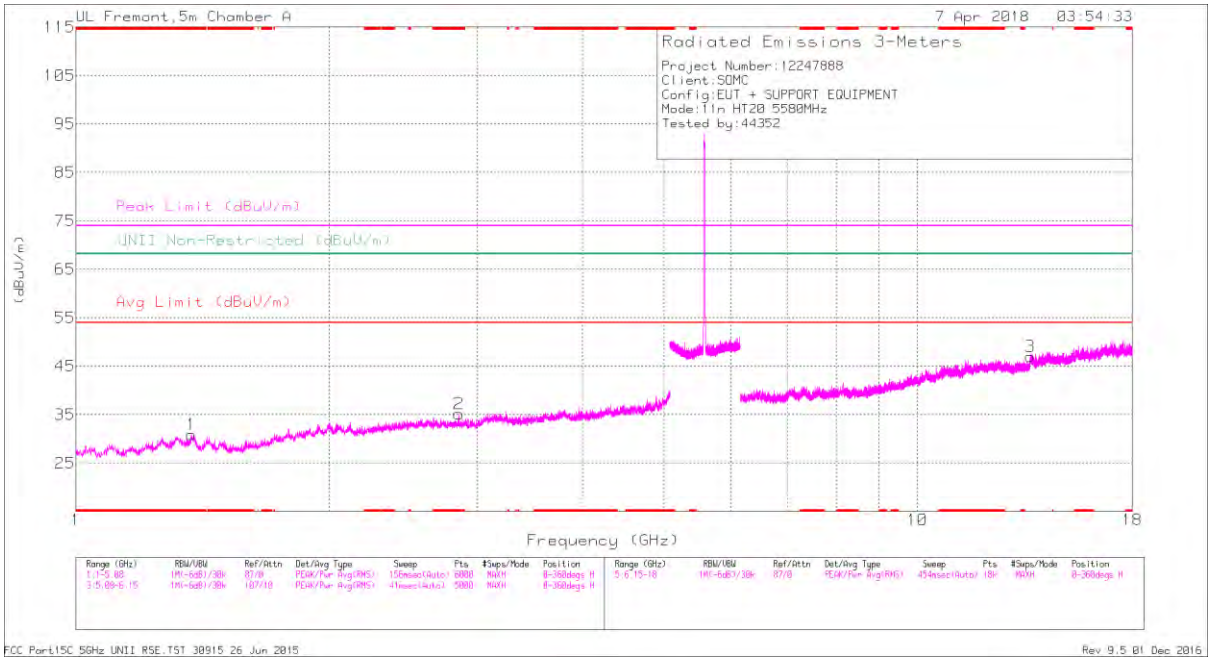
VERTICAL

RADIATED EMISSIONS

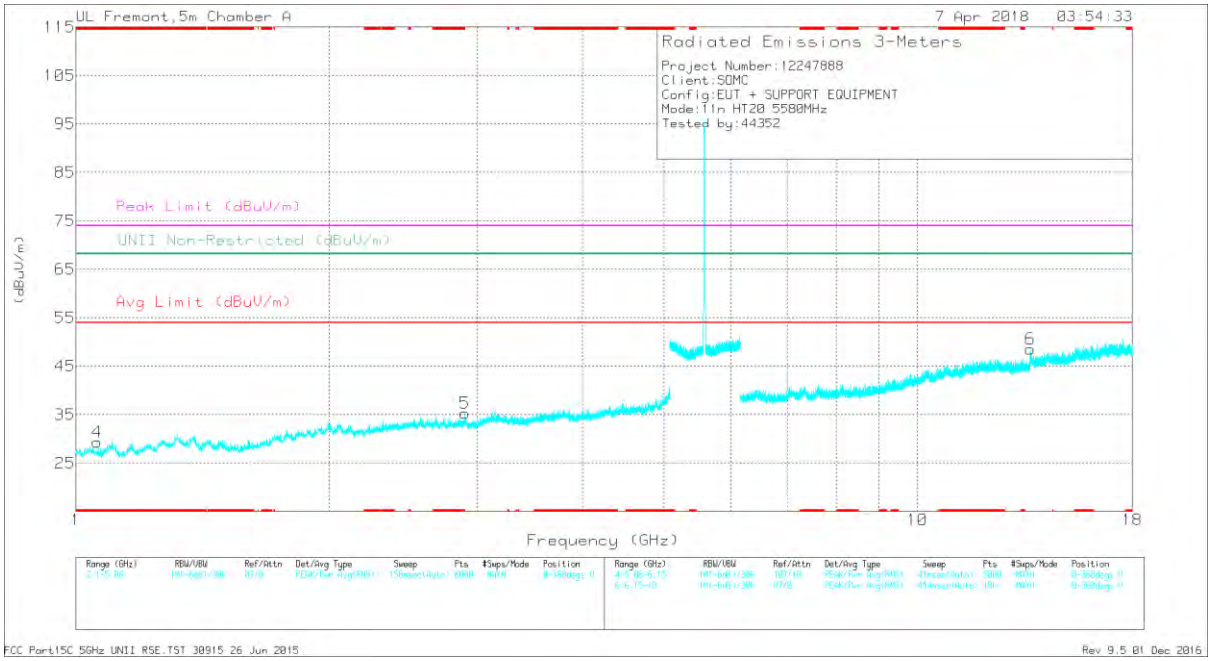
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.379	39.65	PK-U	29	-31.4	0	37.25	-	-	74	-36.75	-	-	163	275	H
	* 1.379	27.84	ADR	29	-31.4	.12	25.56	54	-28.44	-	-	-	-	163	275	H
2	* 2.656	37.78	PK-U	32.5	-30.3	0	39.98	-	-	74	-34.02	-	-	117	200	H
	* 2.659	26.1	ADR	32.5	-30.3	.12	28.42	54	-25.58	-	-	-	-	117	200	H
4	2.165	38.72	PK-U	31.1	-31.1	0	38.72	-	-	-	-	68.2	-29.48	134	138	V
5	2.438	38.65	PK-U	32.1	-30.8	0	39.95	-	-	-	-	68.2	-28.25	201	187	V
6	13.647	33.12	PK-U	39.3	-18.8	0	53.62	-	-	-	-	68.2	-14.58	234	217	V
3	13.732	33	PK-U	39.3	-19	0	53.3	-	-	-	-	68.2	-14.9	240	310	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 RESULTS



HORIZONTAL



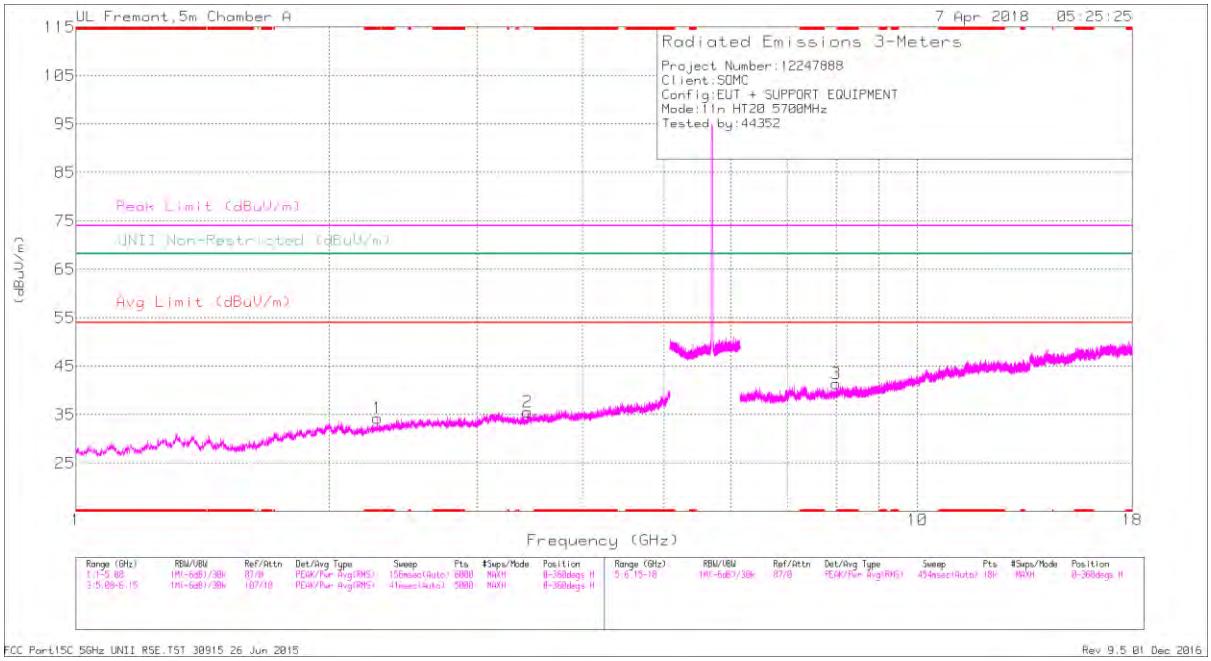
VERTICAL

RADIATED EMISSIONS

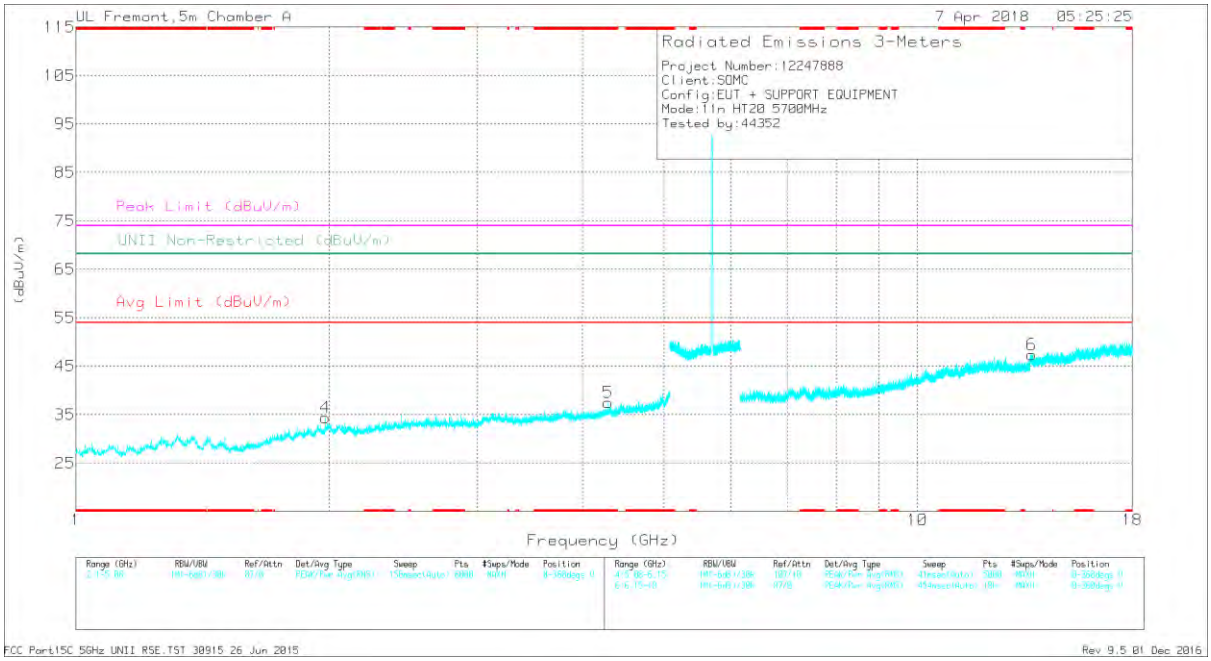
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.371	39.61	PK-U	29.1	-31.4	0	37.31	-	-	74	-36.69	-	-	309	185	H
	* 1.373	28	ADR	29.1	-31.4	.12	25.82	54	-28.18	-	-	-	-	309	185	H
2	* 2.852	37.96	PK-U	32.1	-29.5	0	40.56	-	-	74	-33.44	-	-	163	222	H
	* 2.85	25.94	ADR	32.1	-29.6	.12	28.56	54	-25.44	-	-	-	-	163	222	H
4	* 1.061	39.14	PK-U	27.3	-32	0	34.44	-	-	74	-39.56	-	-	274	240	V
	* 1.058	27.54	ADR	27.2	-32.1	.12	22.76	54	-31.24	-	-	-	-	274	240	V
5	* 2.898	37.7	PK-U	32.2	-29.3	0	40.6	-	-	74	-33.4	-	-	134	134	V
	* 2.897	25.95	ADR	32.2	-29.3	.12	28.97	54	-25.03	-	-	-	-	134	134	V
6	13.612	34.36	PK-U	39.2	-19.3	0	54.26	-	-	-	-	68.2	-13.94	193	298	V
3	13.619	33.5	PK-U	39.2	-19.3	0	53.4	-	-	-	-	68.2	-14.8	105	138	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 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	* 2.283	38.64	PK-U	31.5	-30.7	0	39.44	-	-	74	-34.56	-	-	290	218	H
	* 2.281	27.2	ADR	31.5	-30.7	.12	28.12	54	-25.88	-	-	-	-	290	218	H
5	* 4.287	37.44	PK-U	33.6	-27.2	0	43.84	-	-	74	-30.16	-	-	315	255	V
	* 4.289	24.47	ADR	33.6	-27.2	.12	30.99	54	-23.01	-	-	-	-	315	255	V
4	1.979	38.58	PK-U	31.4	-30.7	0	39.28	-	-	-	-	68.2	-28.92	165	108	V
2	3.44	37.36	PK-U	32.7	-29	0	41.06	-	-	-	-	68.2	-27.14	249	178	H
3	8.005	33.2	PK-U	35.8	-22.9	0	46.1	-	-	-	-	68.2	-22.1	226	131	H
6	13.665	33.16	PK-U	39.3	-19	0	53.46	-	-	-	-	68.2	-14.74	287	145	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

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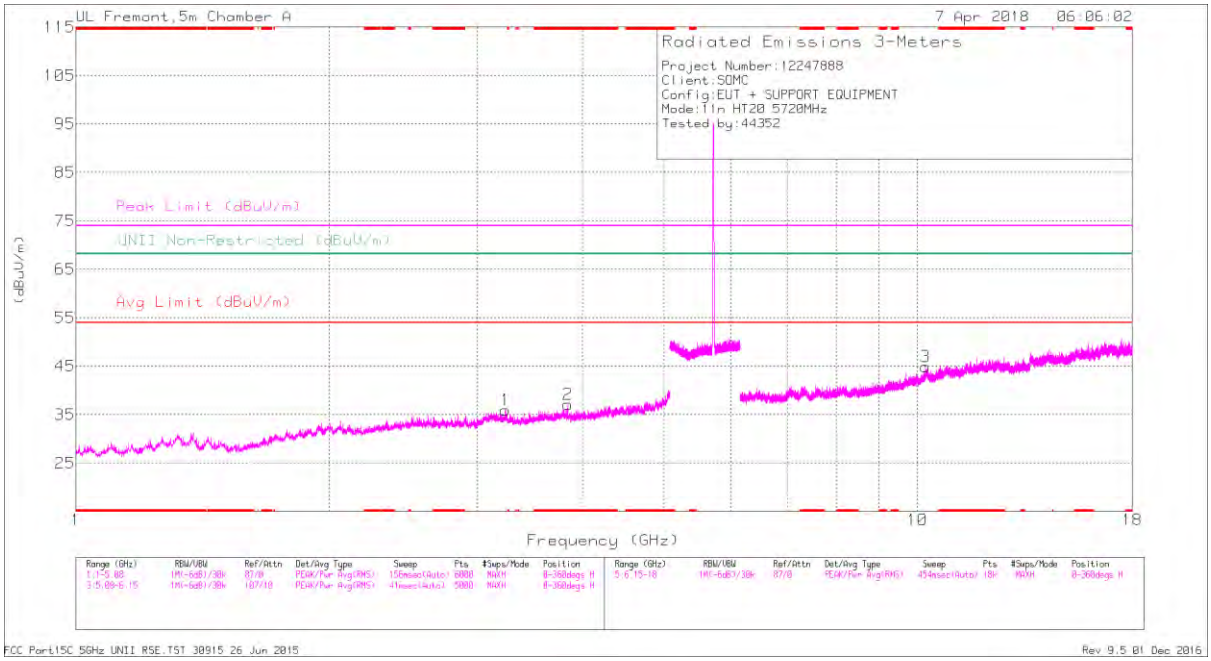
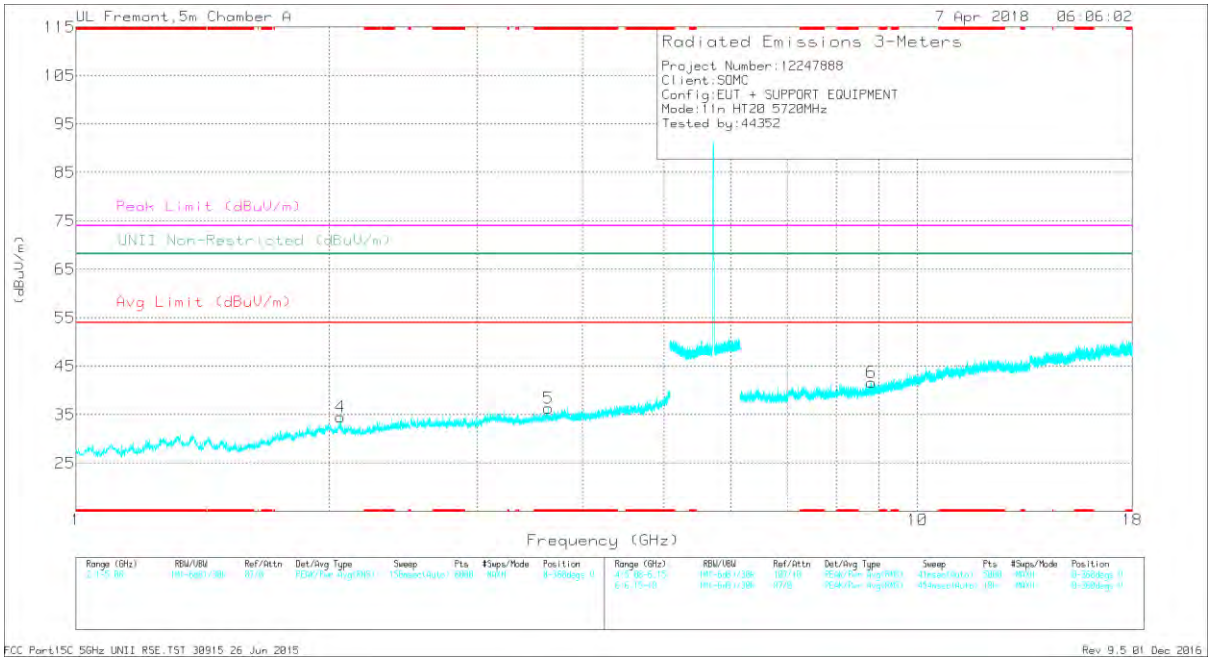
CHANNEL 144 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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	* 3.843	37.7	PK-U	33	-28.4	0	42.3	-	-	74	-31.7	-	-	282	219	H
	* 3.844	26.05	ADR	33	-28.4	.12	30.77	54	-23.23	-	-	-	-	282	219	H
5	* 3.641	37.78	PK-U	32.9	-29.2	0	41.48	-	-	74	-32.52	-	-	292	191	V
	* 3.642	25.98	ADR	32.9	-29.2	.12	29.8	54	-24.2	-	-	-	-	292	191	V
4	2.06	38.34	PK-U	31.3	-30.4	0	39.24	-	-	-	-	68.2	-28.96	226	173	V
1	3.238	38.34	PK-U	33.1	-29.7	0	41.74	-	-	-	-	68.2	-26.46	348	283	H
6	8.819	33.12	PK-U	36.1	-22.3	0	46.92	-	-	-	-	68.2	-21.28	285	174	V
3	10.228	32.61	PK-U	37.5	-19.5	0	50.61	-	-	-	-	68.2	-17.59	159	271	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

UL VERIFICATION SERVICES INC.
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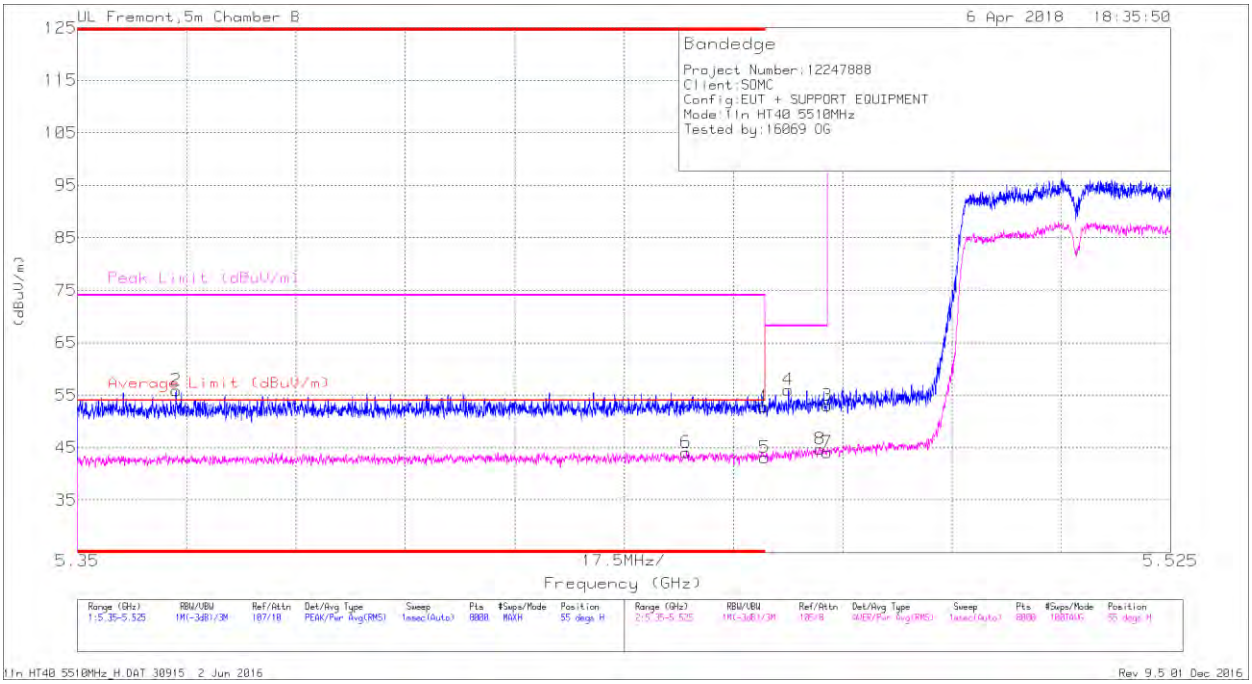
9.1.11. TX ABOVE 1 GHz 802.11n HT40 2TX CDD MODE IN THE 5.6 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

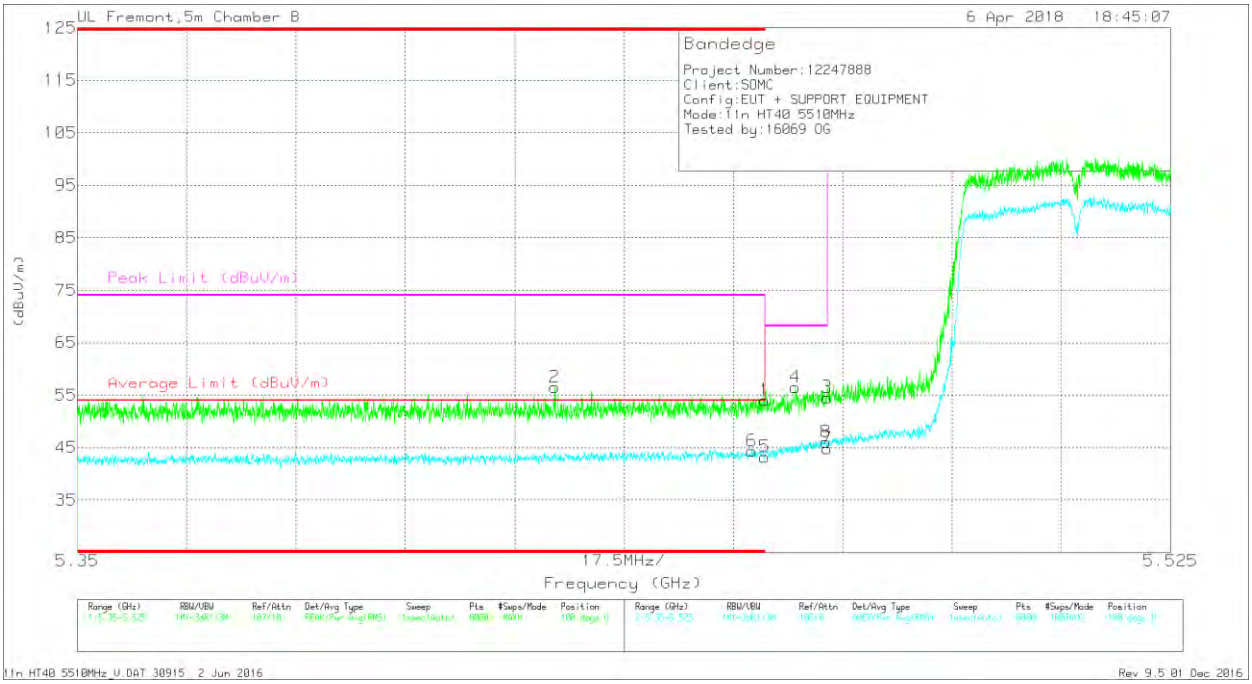


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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
2	* 5.366	39.53	Pk	34.6	-18.3	0	55.83	-	-	74	-18.17	55	215	H
6	* 5.447	27.71	RMS	34.7	-18.4	.42	44.43	54	-9.57	-	-	55	215	H
1	* 5.46	36.58	Pk	34.7	-18.5	0	52.78	-	-	74	-21.22	55	215	H
5	* 5.46	26.82	RMS	34.7	-18.5	.42	43.44	54	-10.56	-	-	55	215	H
4	5.464	39.7	Pk	34.7	-18.4	0	56	-	-	68.2	-12.2	55	215	H
8	5.469	28.16	RMS	34.8	-18.3	.42	45.08	-	-	-	-	55	215	H
3	5.47	36.5	Pk	34.8	-18.3	0	53	-	-	68.2	-15.2	55	215	H
7	5.47	27.47	RMS	34.8	-18.3	.42	44.39	-	-	-	-	55	215	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



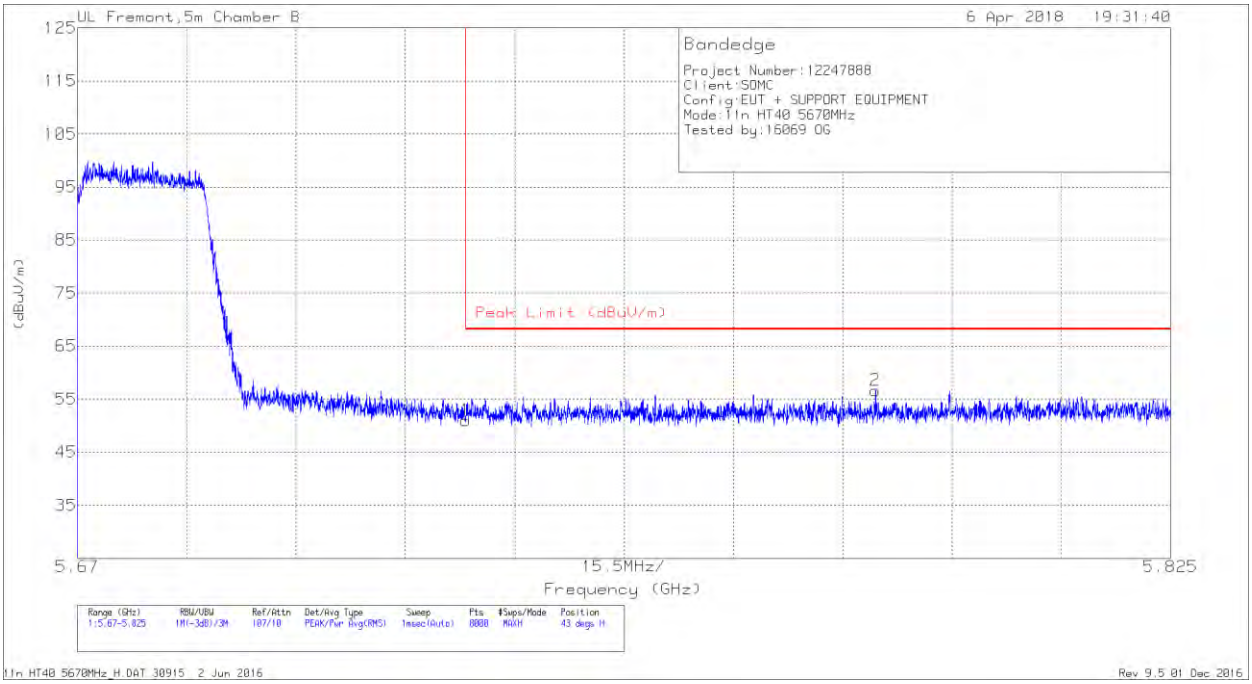
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/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
2	* 5.426	40.19	Pk	34.7	-18.4	0	56.49	-	-	74	-17.51	108	225	V
6	* 5.458	27.99	RMS	34.7	-18.5	.42	44.61	54	-9.39	-	-	108	225	V
1	* 5.46	37.83	Pk	34.7	-18.5	0	54.03	-	-	74	-19.97	108	225	V
5	* 5.46	26.89	RMS	34.7	-18.5	.42	43.51	54	-10.49	-	-	108	225	V
4	5.465	40.2	Pk	34.7	-18.4	0	56.5	-	-	68.2	-11.7	108	225	V
3	5.47	38.07	Pk	34.8	-18.3	0	54.57	-	-	68.2	-13.63	108	225	V
7	5.47	28.23	RMS	34.8	-18.3	.42	45.15	-	-	-	-	108	225	V
8	5.47	29.51	RMS	34.8	-18.3	.42	46.43	-	-	-	-	108	225	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

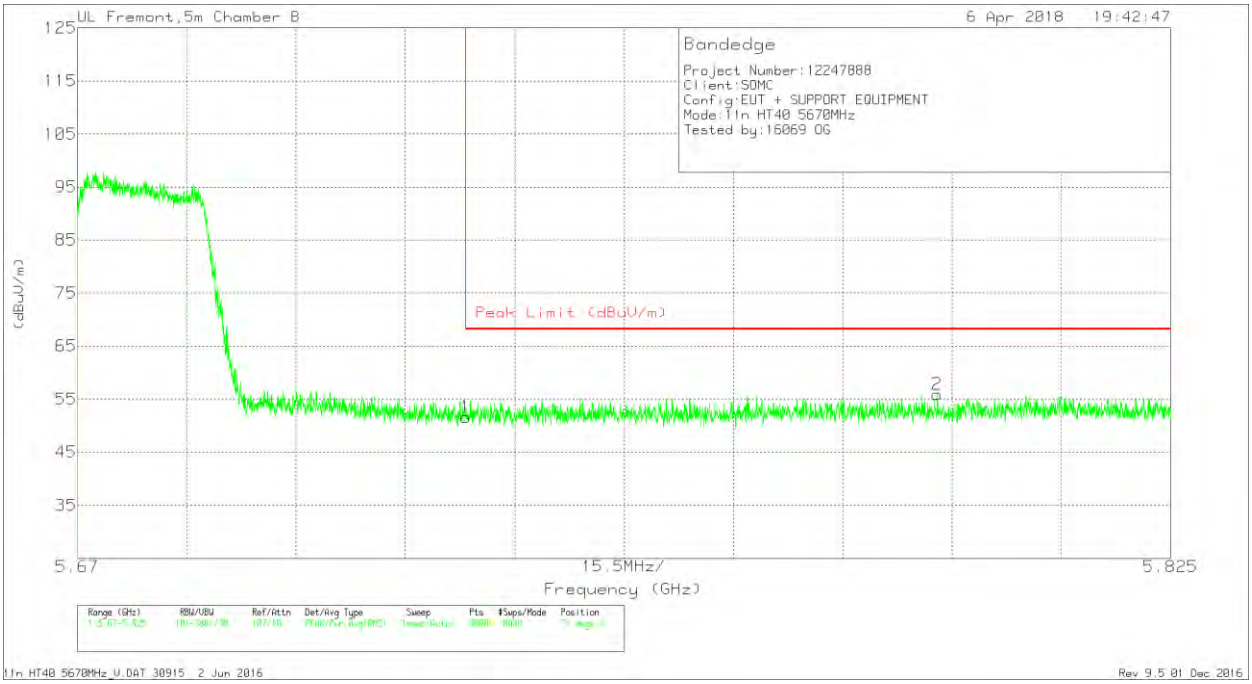


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	34.47	Pk	35	-18.5	0	50.97	68.2	-17.23	43	113	H
2	5.783	39.95	Pk	35	-18.3	0	56.65	68.2	-11.55	43	113	H

Pk - Peak detector

VERTICAL RESULT



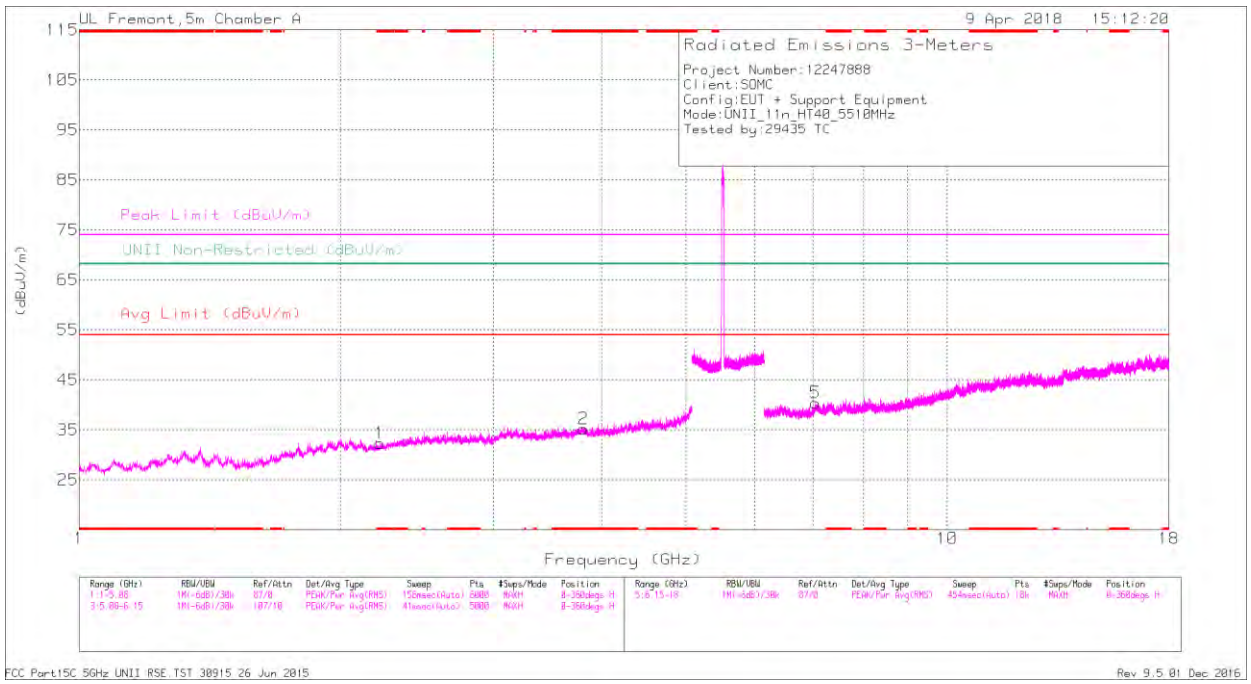
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	35.05	Pk	35	-18.5	0	51.55	68.2	-16.65	71	120	V
2	5.792	39.05	Pk	35.1	-18.3	0	55.85	68.2	-12.35	71	120	V

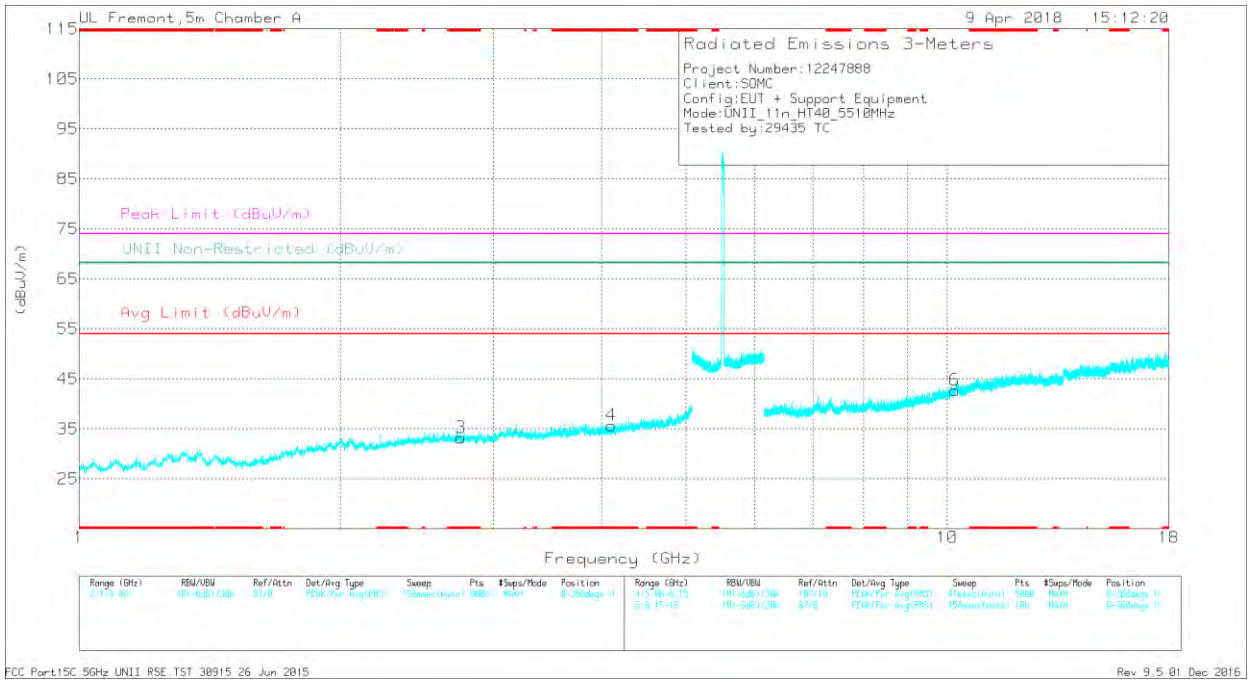
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



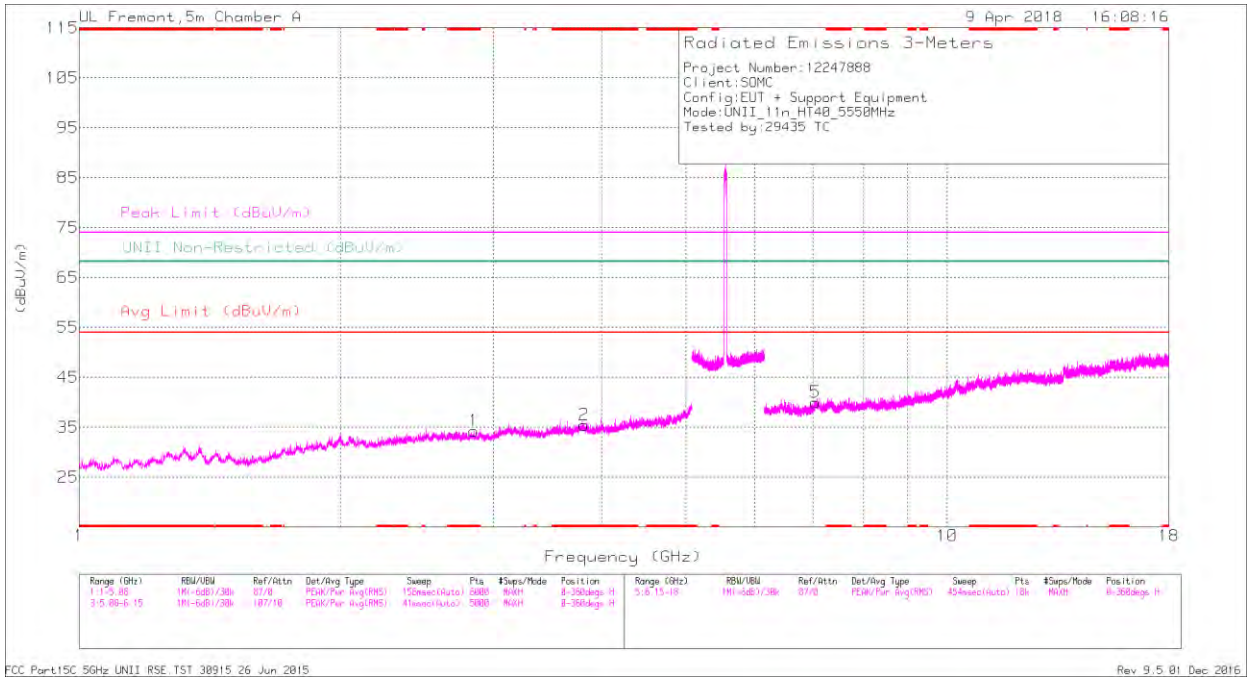
VERTICAL

RADIATED EMISSIONS

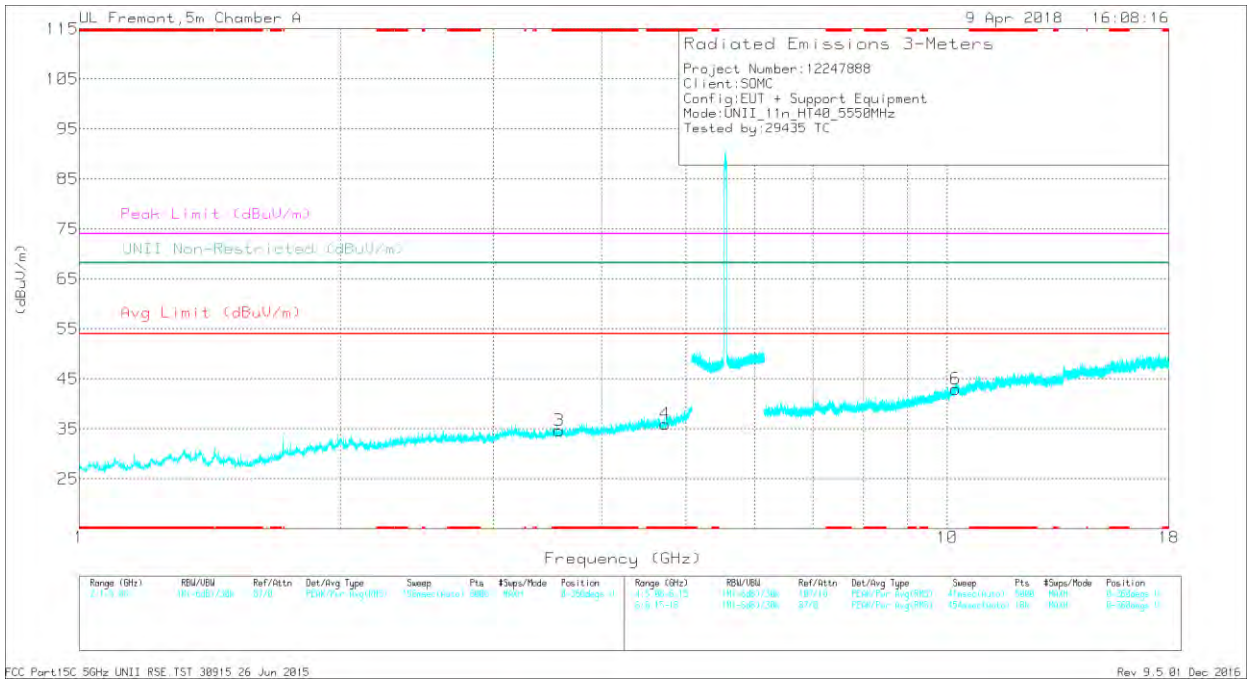
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.219	38.27	PK-U	31.3	-31.2	0	38.37	-	-	74	-35.63	-	-	307	289	H
	* 2.219	26.86	ADR	31.3	-31.2	.42	27.38	54	-26.62	-	-	-	-	307	289	H
2	* 3.808	37.13	PK-U	33.2	-28.1	0	42.23	-	-	74	-31.77	-	-	288	141	H
	* 3.809	25.37	ADR	33.2	-28.1	.42	30.89	54	-23.11	-	-	-	-	288	141	H
3	* 2.754	38.09	PK-U	32.3	-30.1	0	40.29	-	-	74	-33.71	-	-	353	231	V
	* 2.755	26.01	ADR	32.3	-30.1	.42	28.63	54	-25.37	-	-	-	-	353	231	V
4	* 4.103	37.08	PK-U	33.4	-28.5	0	41.98	-	-	74	-32.02	-	-	99	212	V
	* 4.104	25.2	ADR	33.4	-28.5	.42	30.52	54	-23.48	-	-	-	-	99	212	V
5	7.051	27.1	Pk-U	35.6	-22.3	0	40.4	-	-	-	-	68.2	-27.8	144	199	H
6	10.206	25.51	Pk-U	37.4	-20.2	0	42.71	-	-	-	-	68.2	-25.49	51	200	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 RESULTS



HORIZONTAL



VERTICAL