



CERTIFICATION TEST REPORT

Report Number. : 13018973-E4V2 & E5V2

Applicant : APPLE, INC.
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A.

Model : A2275, A2297, A2298

FCC ID : BCG-E3500A

IC : 579C-E3500A

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E
ISED RSS-247 ISSUE 2
ISED RSS-GEN ISSUE 5

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2/10/2020	Initial Issue	Francisco Guarnero
V1	3/21/2020	Address TCB's Questions	Chin Pang

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1. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands
FCC §15.407(b)(1-3) -Un-Restricted bands

RSS 247 Issue 2 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)

6.2.4.2 (for 5725-5850 MHz band)

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
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.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

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

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

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

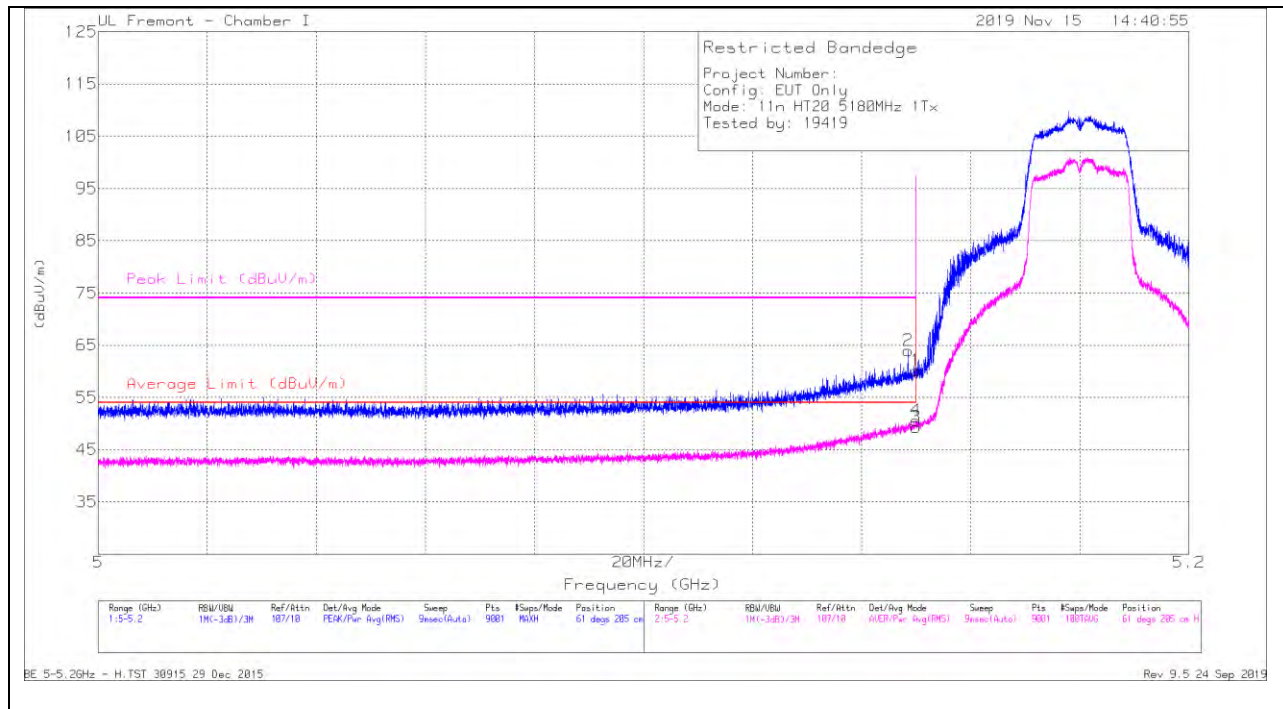
1.1. TRANSMITTER ABOVE 1 GHz

1.1.1. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX LAT3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

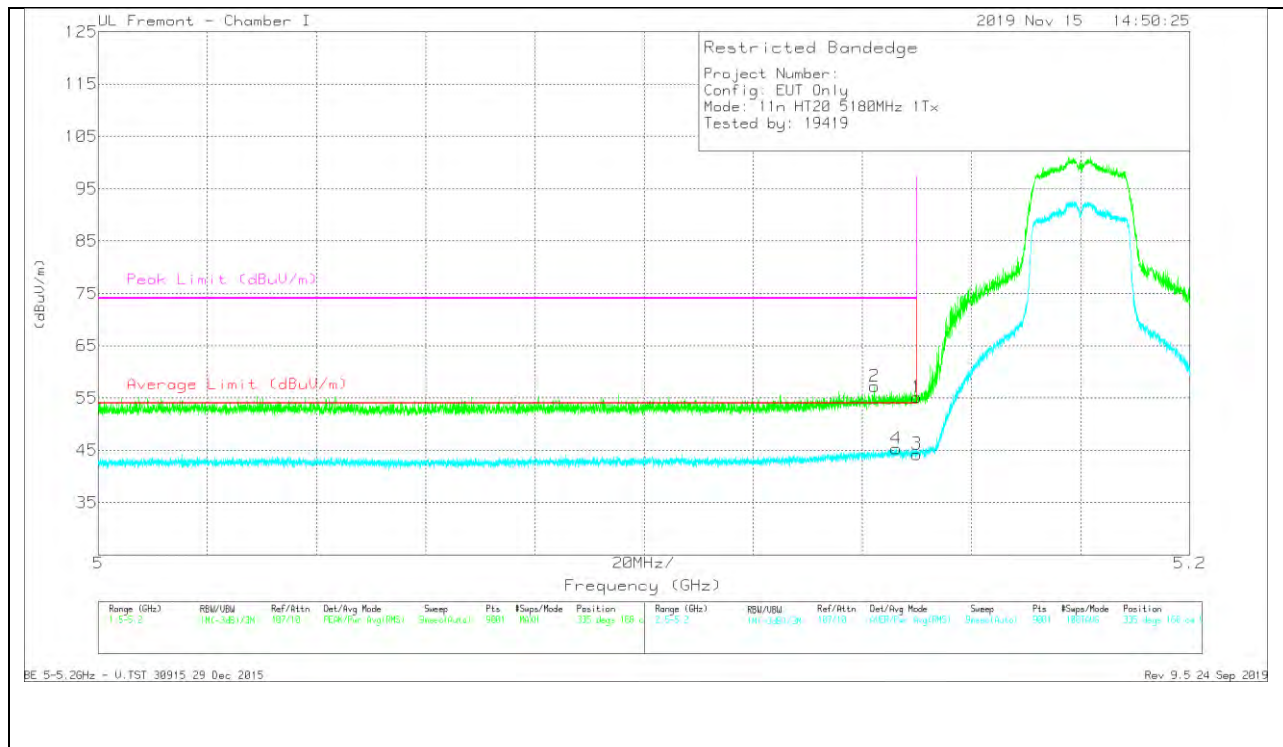


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.68	Pk	34.4	-17	60.08	-	-	74	-13.92	61	205	H
2	5.14849	46.66	Pk	34.4	-17.1	63.96	-	-	74	-10.04	61	205	H
3	5.15	31.95	RMS	34.4	-17	49.35	54	-4.65	-	-	61	205	H
4	5.14993	33.16	RMS	34.4	-17	50.56	54	-3.44	-	-	61	205	H

Pk - Peak detector
RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015
Rev 9.5 24 Sep 2019

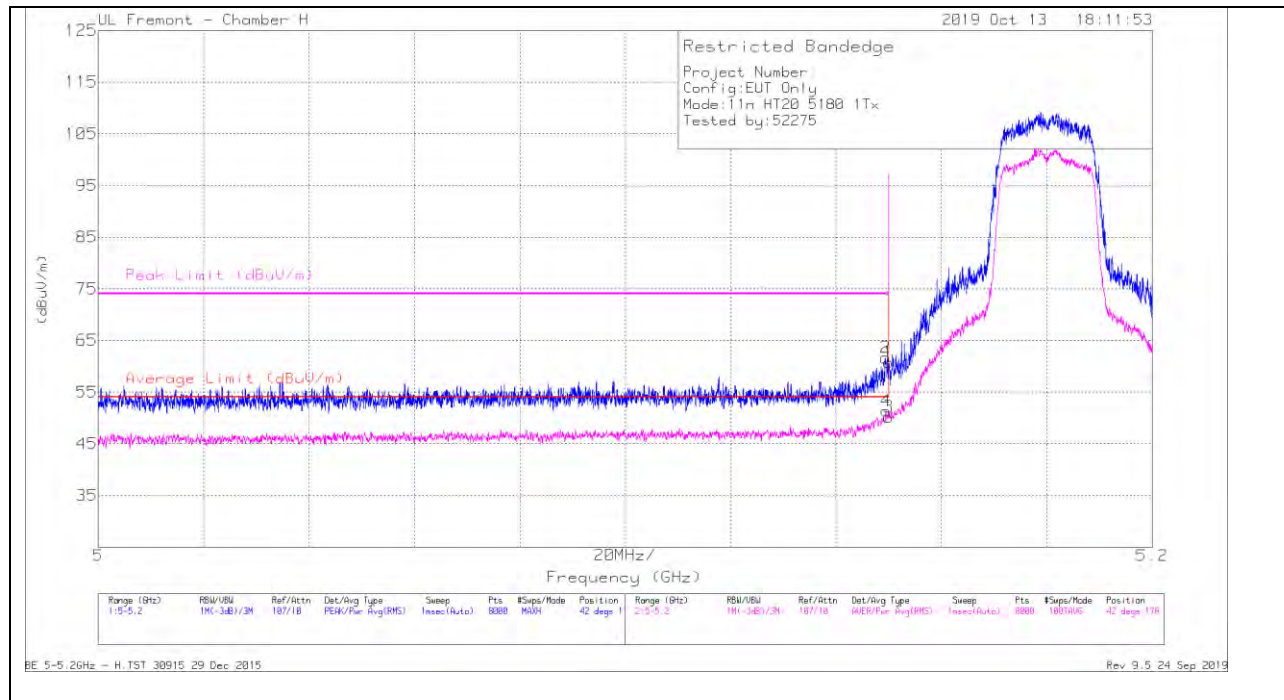
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (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	37.78	Pk	34.4	-17	55.18	-	-	74	-18.82	335	168	V
2	5.14227	39.79	Pk	34.4	-17	57.19	-	-	74	-16.81	335	168	V
3	5.15	26.87	RMS	34.4	-17	44.27	54	-9.73	-	-	335	168	V
4	5.14622	28.03	RMS	34.3	-17	45.33	54	-8.67	-	-	335	168	V

Pk - Peak detector
RMS - RMS detection

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1TX UAT2**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	47.22	Pk	34.4	-20.9	60.72	-	-	74	-13.28	42	178	H
2	* 5.14932	48.26	Pk	34.4	-21	61.66	-	-	74	-12.34	42	178	H
3	* 5.14999	36.69	RMS	34.4	-20.9	50.19	54	-3.81	-	-	42	178	H
4	* 5.14944	37.96	RMS	34.4	-21	51.36	54	-2.64	-	-	42	178	H

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

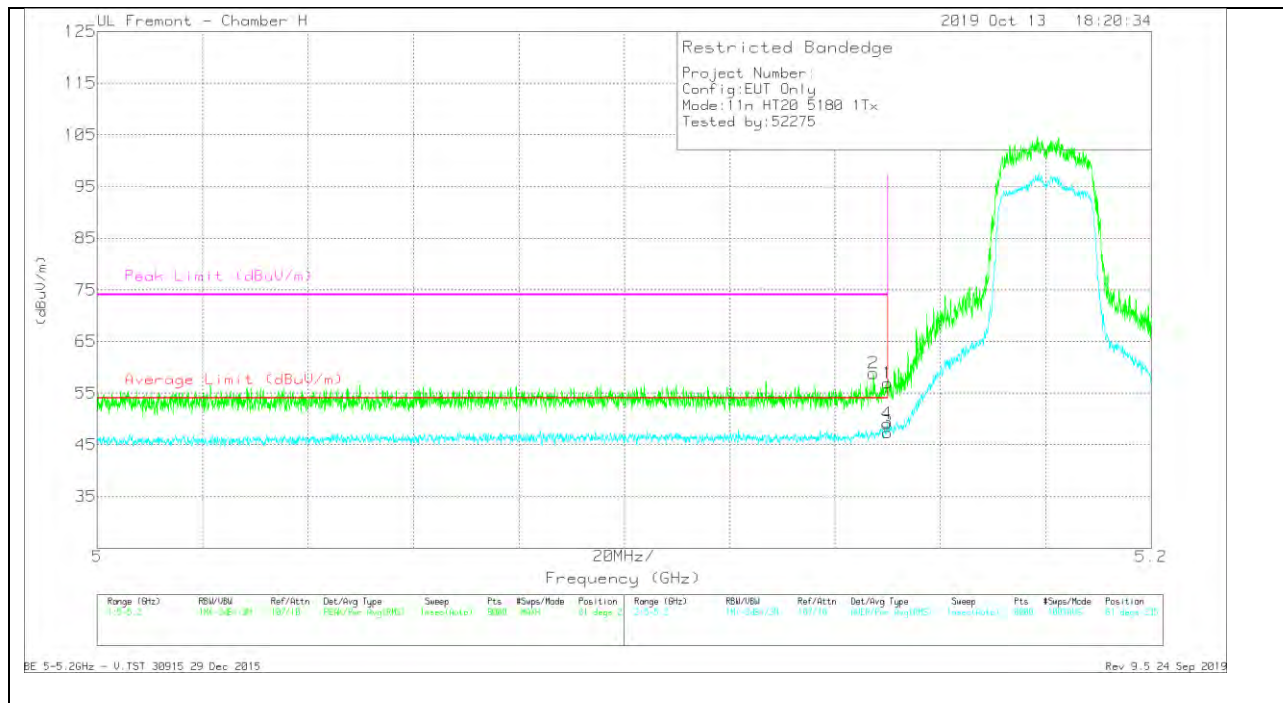
Pk - Peak detector

RMS - RMS detection

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	43.46	Pk	34.4	-20.9	56.96	-	-	74	-17.04	81	235	V
2	* 5.14727	45.57	Pk	34.3	-21	58.87	-	-	74	-15.13	81	235	V
3	* 5.14999	33.89	RMS	34.4	-20.9	47.39	54	-6.61	-	-	81	235	V
4	* 5.14984	35.57	RMS	34.4	-20.9	49.07	54	-4.93	-	-	81	235	V

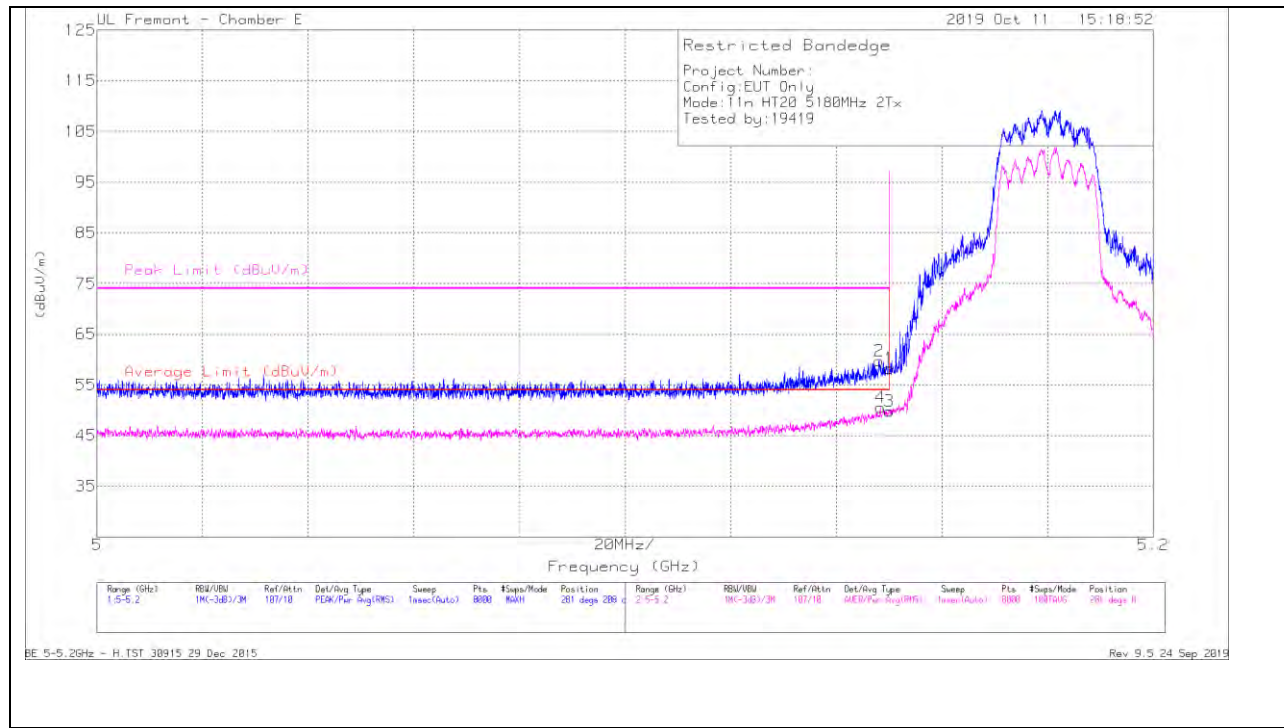
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

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2TX LAT3 + UAT2 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	45.89	Pk	34.3	-21.9	58.29	-	-	74	-15.71	281	208	H
2	* 5.14807	47.3	Pk	34.3	-21.9	59.7	-	-	74	-14.3	281	208	H
3	* 5.14999	37.36	RMS	34.3	-21.9	49.76	54	-4.24	-	-	281	208	H
4	* 5.14832	38.15	RMS	34.3	-21.9	50.55	54	-3.45	-	-	281	208	H

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

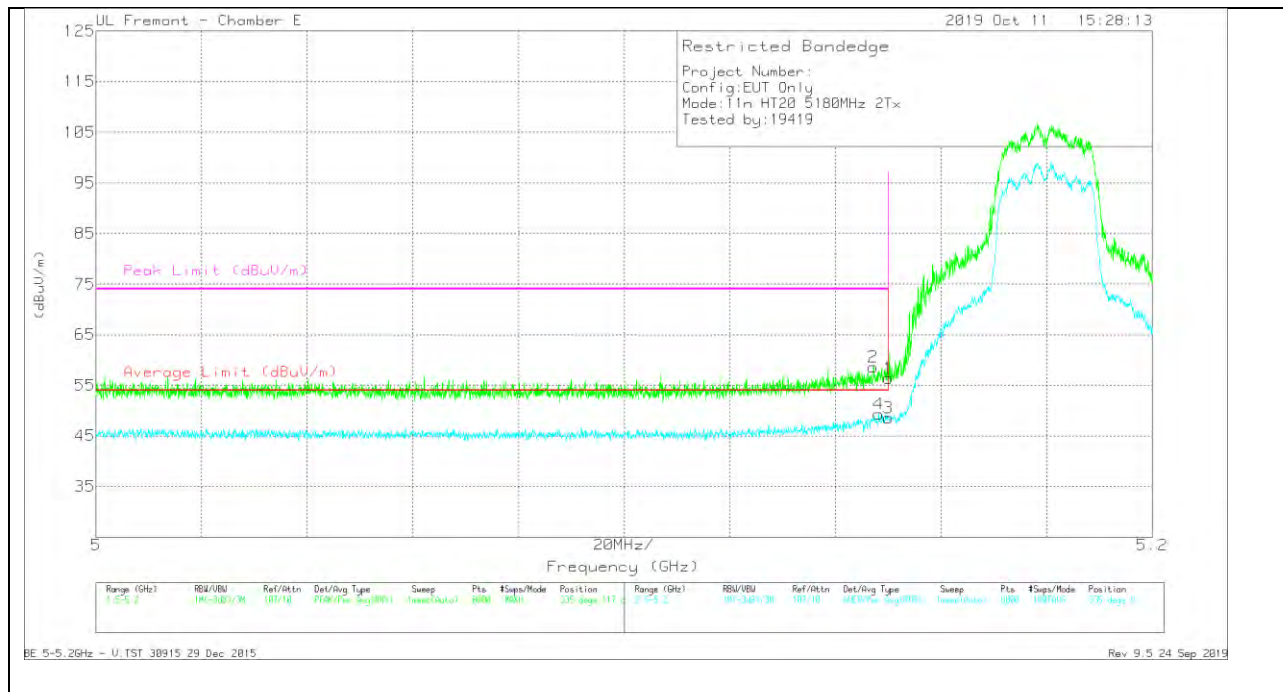
Pk - Peak detector

RMS - RMS detection

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	44.03	Pk	34.3	-21.9	56.43	-	-	74	-17.57	335	117	V
2	* 5.14719	46.19	Pk	34.3	-21.9	58.59	-	-	74	-15.41	335	117	V
3	* 5.14999	36.14	RMS	34.3	-21.9	48.54	54	-5.46	-	-	335	117	V
4	* 5.14817	36.87	RMS	34.3	-21.9	49.27	54	-4.73	-	-	335	117	V

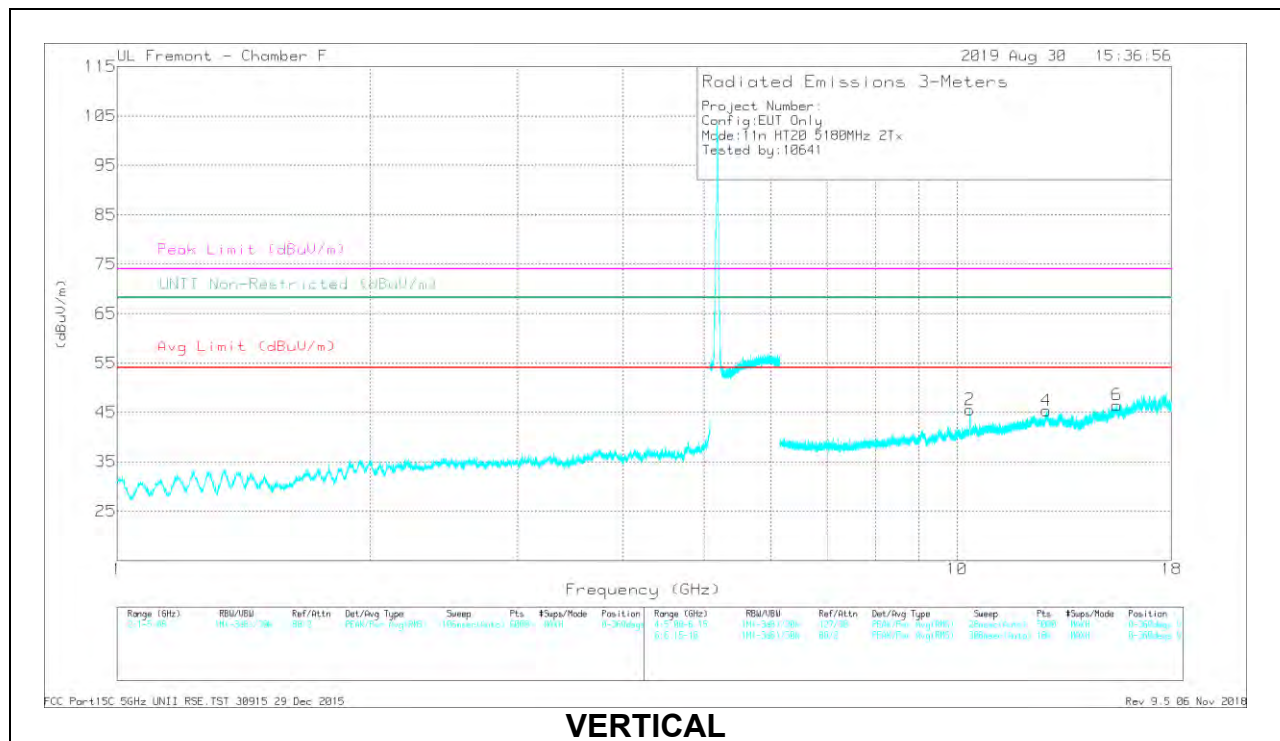
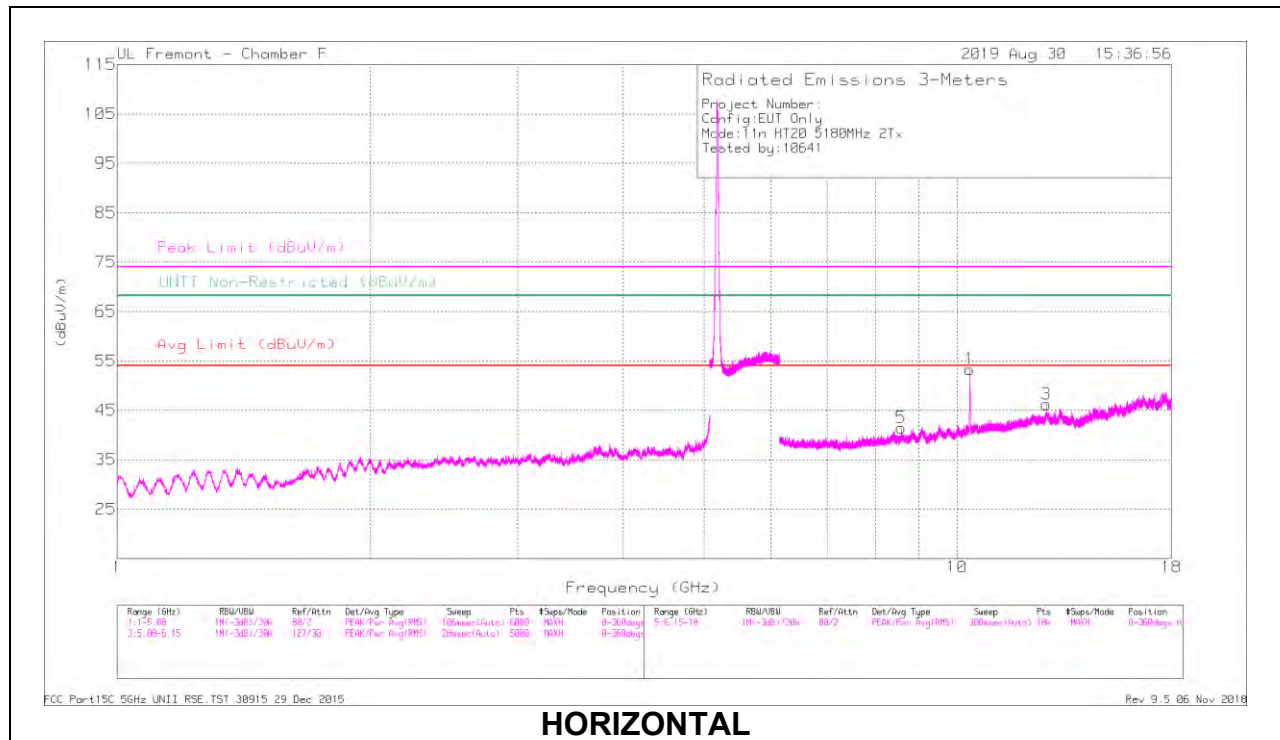
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

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HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

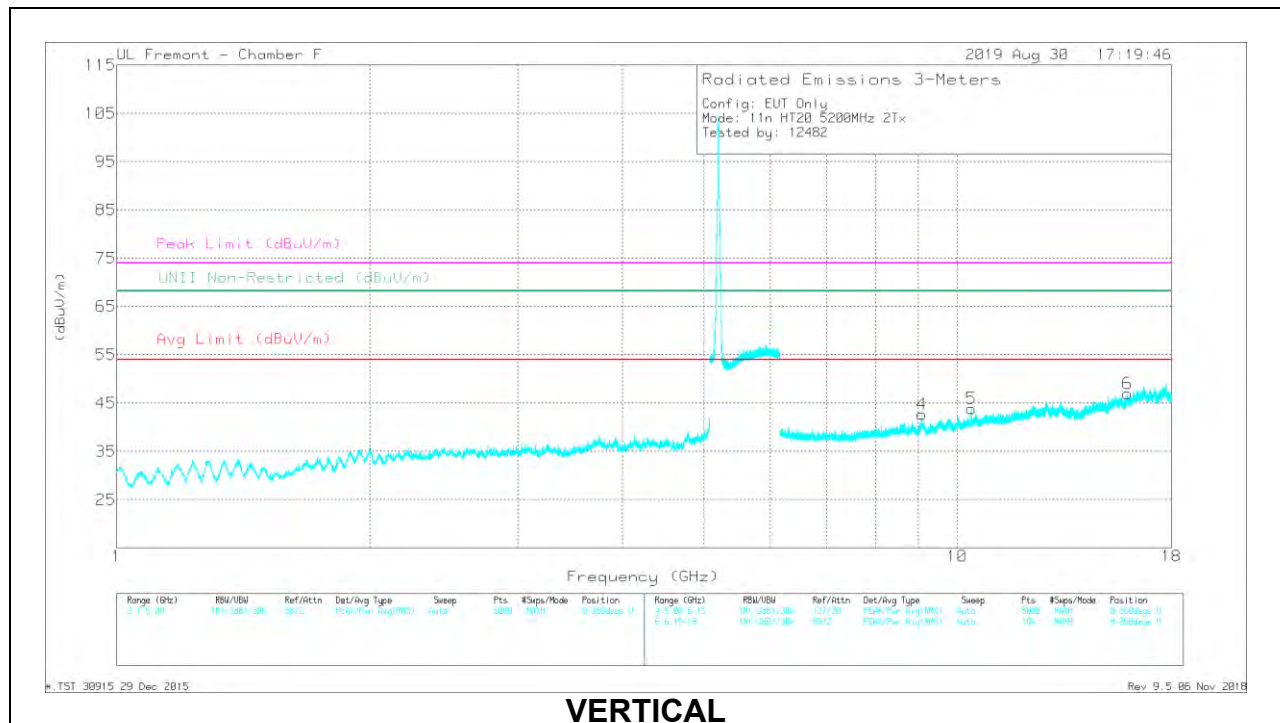
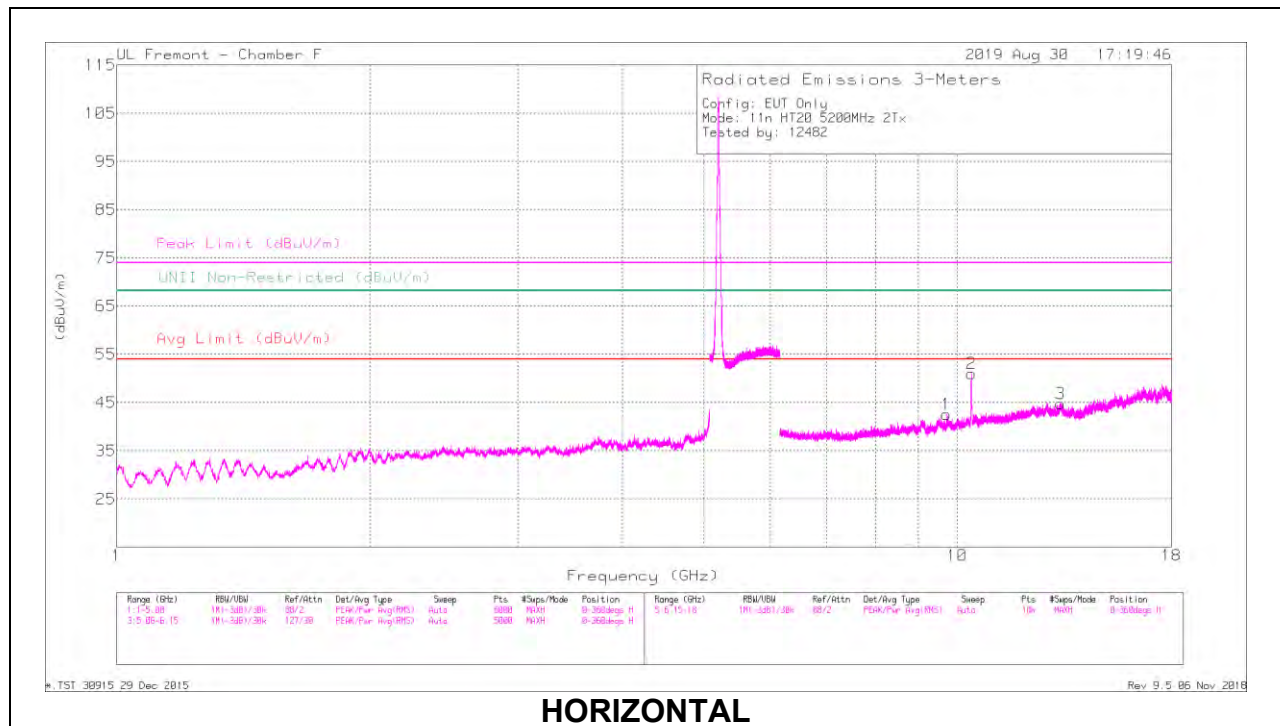
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.358	60.35	PK-U	37.5	-39.4	50.45	-	-	-	-	68.2	-9.75	350	125	H
3	12.782	50.31	PK-U	39.3	-37.9	51.71	-	-	-	-	68.2	-16.49	277	300	H
5	8.589	49.97	PK-U	35.9	-39.1	46.77	-	-	-	-	68.2	-21.43	118	252	H
2	10.362	55.28	PK-U	37.5	-39.4	53.38	-	-	-	-	68.2	-14.82	88	111	V
4	12.774	50.93	PK-U	39.2	-37.9	52.23	-	-	-	-	68.2	-15.97	264	331	V
6	* 15.504	51.42	PK-U	40.4	-38.4	53.42	-	-	74	-20.58	-	-	238	202	V
	* 15.506	40.15	ADR	40.4	-38.5	42.05	54	-11.95	-	-	-	-	238	202	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



RADIATED EMISSIONS

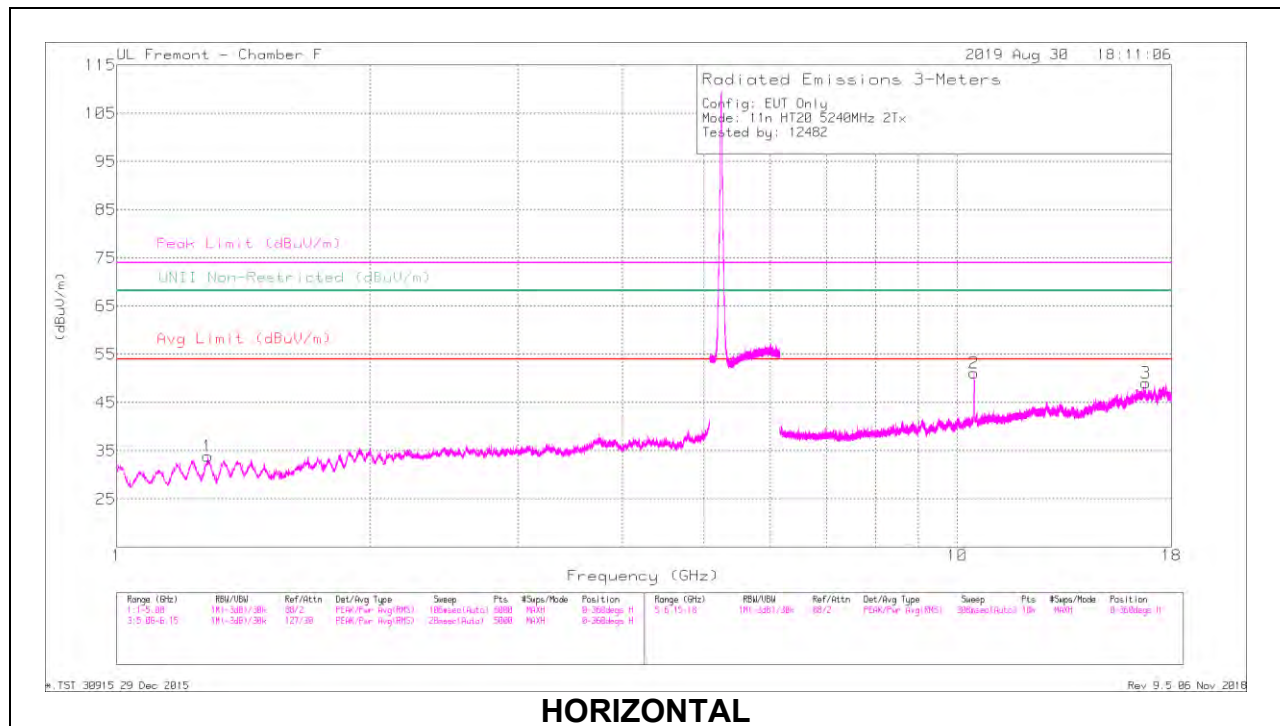
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.722	51.06	PK-U	36.9	-40.1	47.96	-	-	-	-	-	-20.34	245	122	H
2	10.403	59.58	PK-U	37.6	-39.5	57.68	-	-	-	-	68.2	-10.52	78	100	H
3	* 13.274	50.56	PK-U	39.3	-38	51.86	-	-	74	-22.14	-	-	109	165	H
	* 13.276	39.58	ADR	39.3	-38.1	40.78	54	-13.22	-	-	-	-	109	165	H
4	* 9.091	50.95	PK-U	36.3	-38.5	48.75	-	-	74	-25.25	-	-	329	202	V
	* 9.09	39.3	ADR	36.3	-38.5	37.1	54	-16.9	-	-	-	-	329	202	V
5	* 15.948	50.41	PK-U	40.6	-37.1	53.91	-	-	74	-20.09	-	-	176	113	V
	* 15.95	39.15	ADR	40.6	-37.1	42.65	54	-11.35	-	-	-	-	176	113	V
6	10.401	52.68	PK-U	37.6	-39.5	50.78	-	-	-	-	68.2	-17.42	59	109	V

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

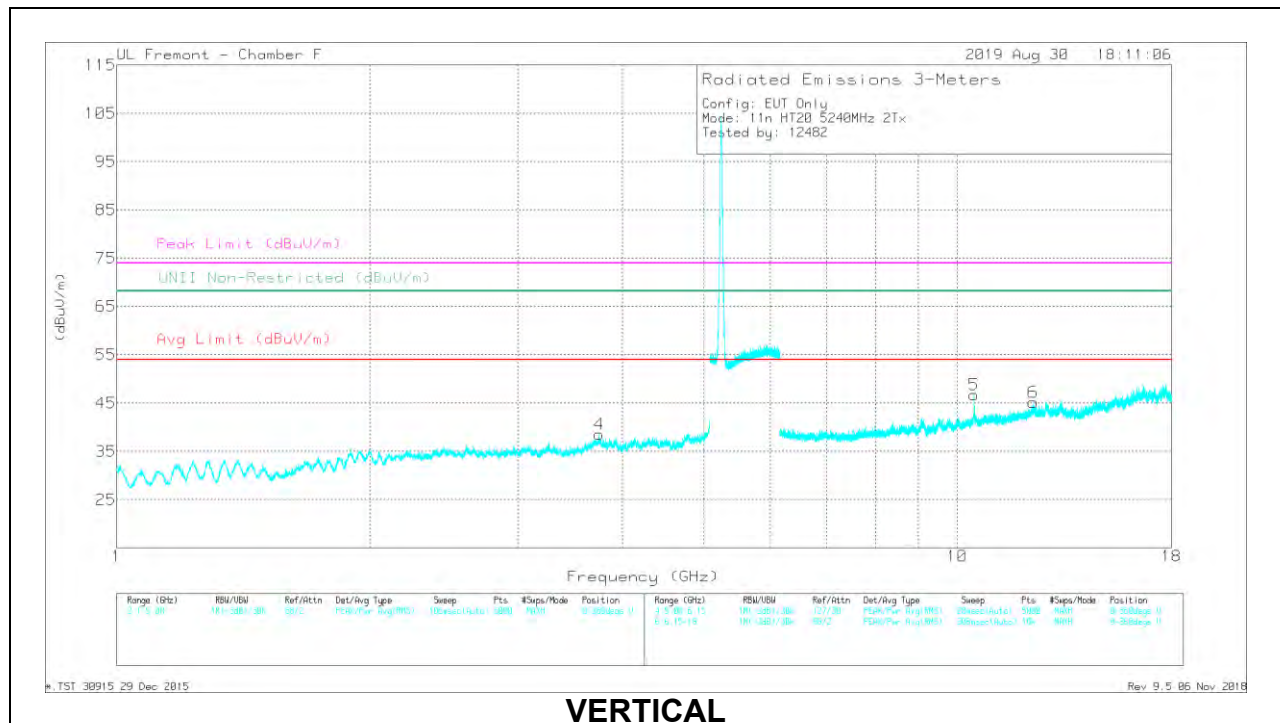
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Amp/Cbl/Fitr/Pad (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	* 1.283	57.61	PK-U	29	-46.1	40.51	-	-	74	-33.49	-	-	100	205	H
	* 1.285	46.19	ADR	28.9	-46	29.09	54	-24.91	-	-	-	-	100	205	H
4	* 3.752	54.06	PK-U	33.4	-43.4	44.06	-	-	74	-29.94	-	-	225	133	V
	* 3.752	42.96	ADR	33.4	-43.4	32.96	54	-21.04	-	-	-	-	225	133	V
2	10.477	59.2	PK-U	37.7	-39	57.9	-	-	-	-	68.2	-10.3	90	103	H
3	16.772	50.62	PK-U	41.9	-38.7	53.82	-	-	-	-	68.2	-14.38	145	311	H
5	10.481	54.26	PK-U	37.7	-39	52.96	-	-	-	-	68.2	-15.24	51	122	V
6	* 12.324	50.88	PK-U	39.1	-38.5	51.48	-	-	74	-22.52	-	-	223	256	V
	* 12.326	39.52	ADR	39.1	-38.5	40.12	54	-13.88	-	-	-	-	223	256	V

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

PK-U - U-NII: Maximum Peak

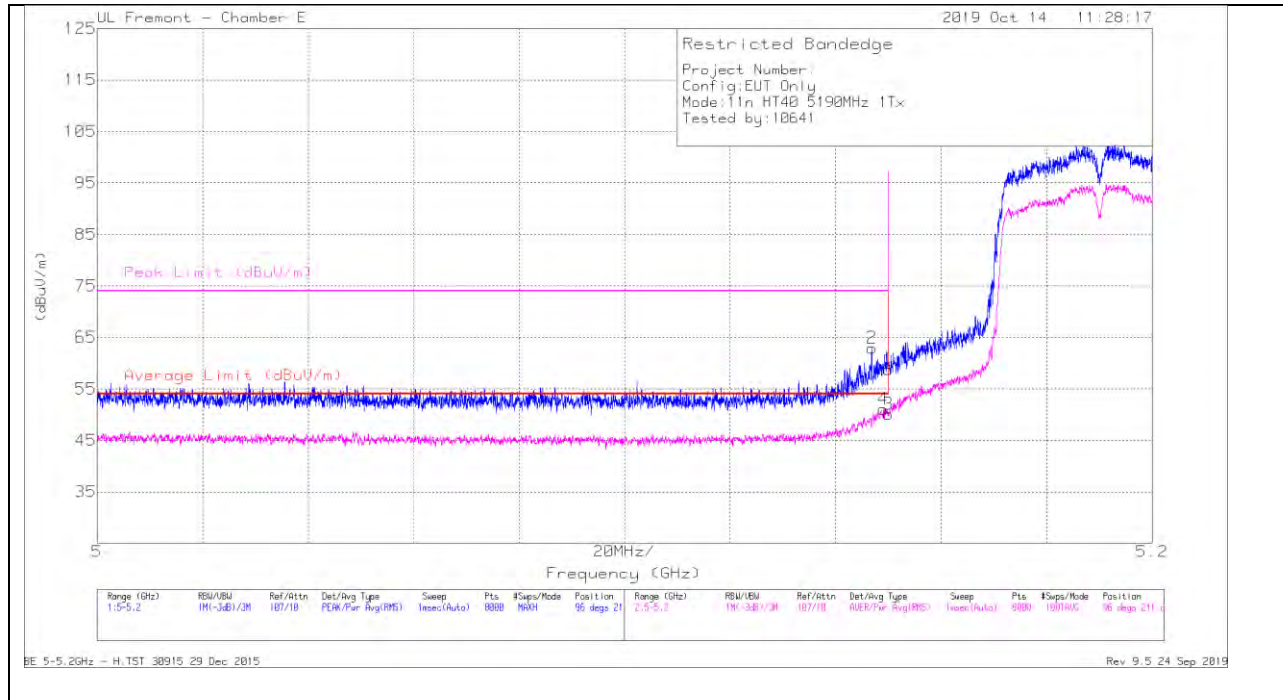
ADR - U-NII AD primary method, RMS average

1.1.2. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX LAT3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

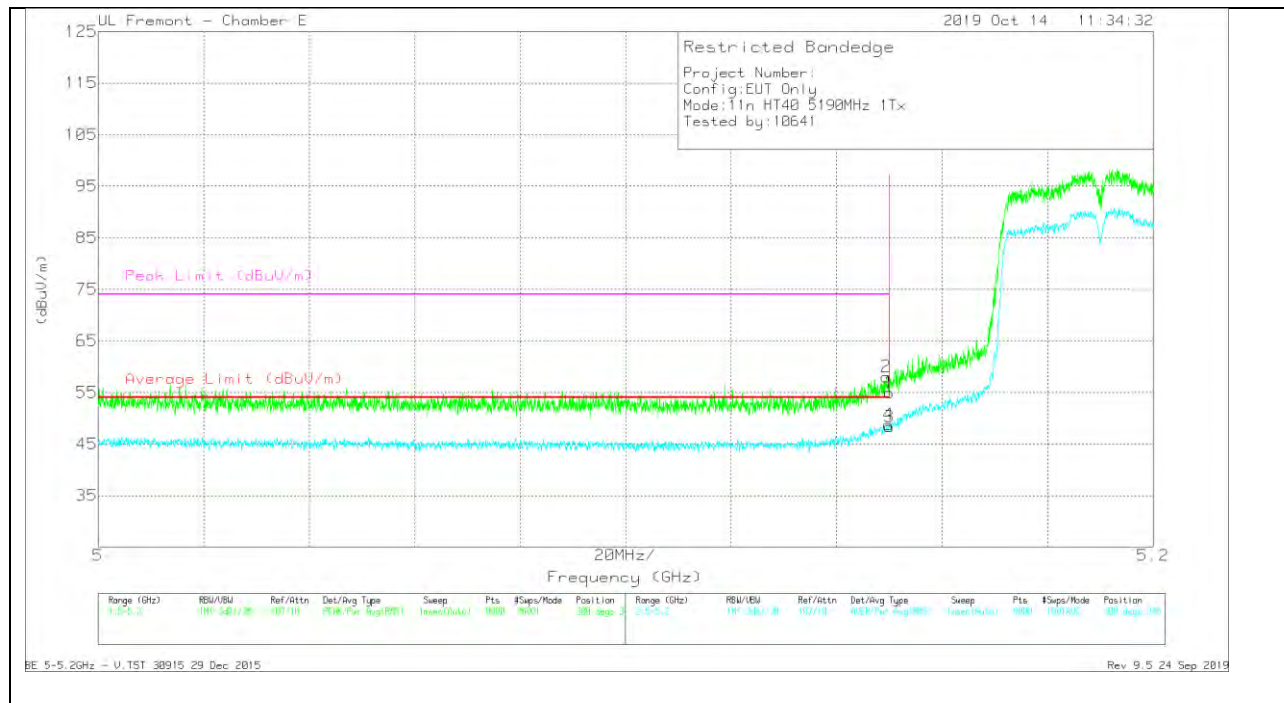


Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb I/Fitr/Pa d (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	46.4	Pk	34.3	-21.9	0	58.8	-	-	74	-15.2	96	211	H
2	* 5.14684	50.56	Pk	34.3	-21.9	0	62.96	-	-	74	-11.04	96	211	H
3	* 5.14999	37.62	RMS	34.3	-21.9	0.09	50.11	54	-3.89	-	-	96	211	H
4	* 5.14904	38.6	RMS	34.3	-21.9	0.09	51.09	54	-2.91	-	-	96	211	H

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

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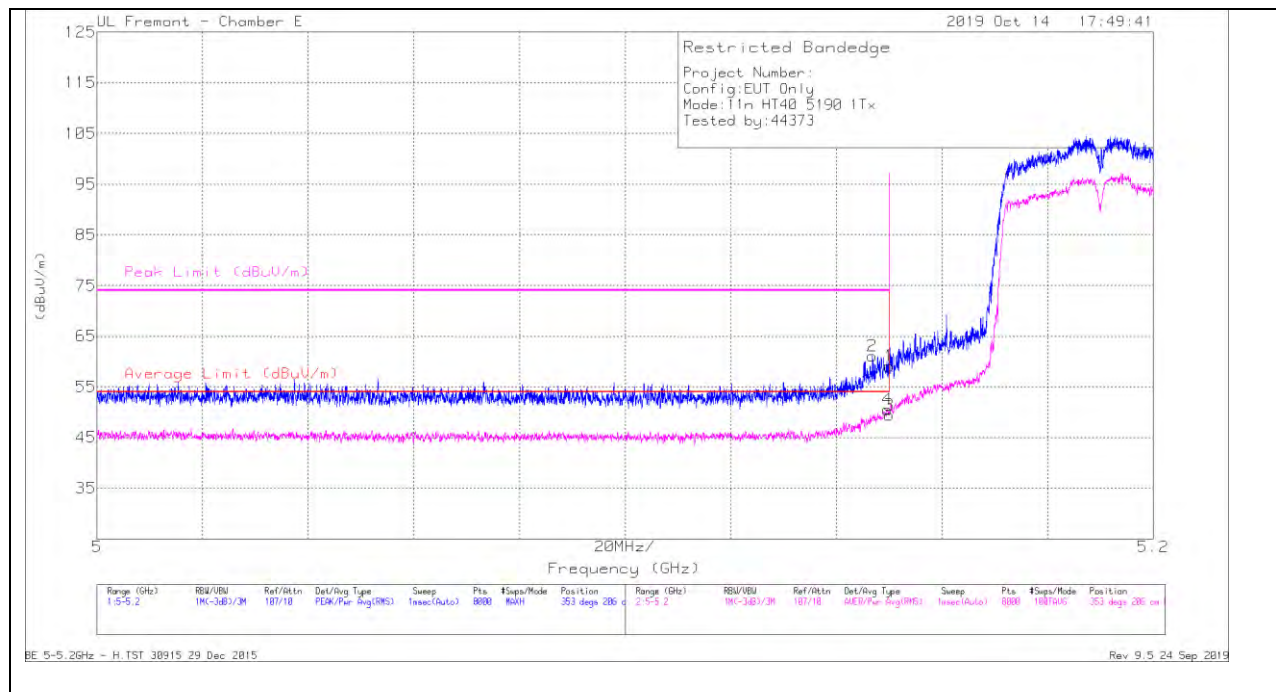
VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb I/Fitr/Pa d (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	42.6	Pk	34.3	-21.9	0	55	-	-	74	-19	300	345	V
2	* 5.14937	45.66	Pk	34.3	-21.9	0	58.06	-	-	74	-15.94	300	345	V
3	* 5.14999	35.88	RMS	34.3	-21.9	0.09	48.37	54	-5.63	-	-	300	345	V
4	* 5.14984	36.27	RMS	34.3	-21.9	0.09	48.76	54	-5.24	-	-	300	345	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
Rev 9.5 24 Sep 2019

1TX UAT2**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/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	* 5.14999	46.75	Pk	34.3	-21.9	0	59.15	-	-	74	-14.85	353	206	H
2	* 5.14682	48.72	Pk	34.3	-21.9	0	61.12	-	-	74	-12.88	353	206	H
3	* 5.14999	36.98	RMS	34.3	-21.9	0.09	49.47	54	-4.53	-	-	353	206	H
4	* 5.14967	38.12	RMS	34.3	-21.9	0.09	50.61	54	-3.39	-	-	353	206	H

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

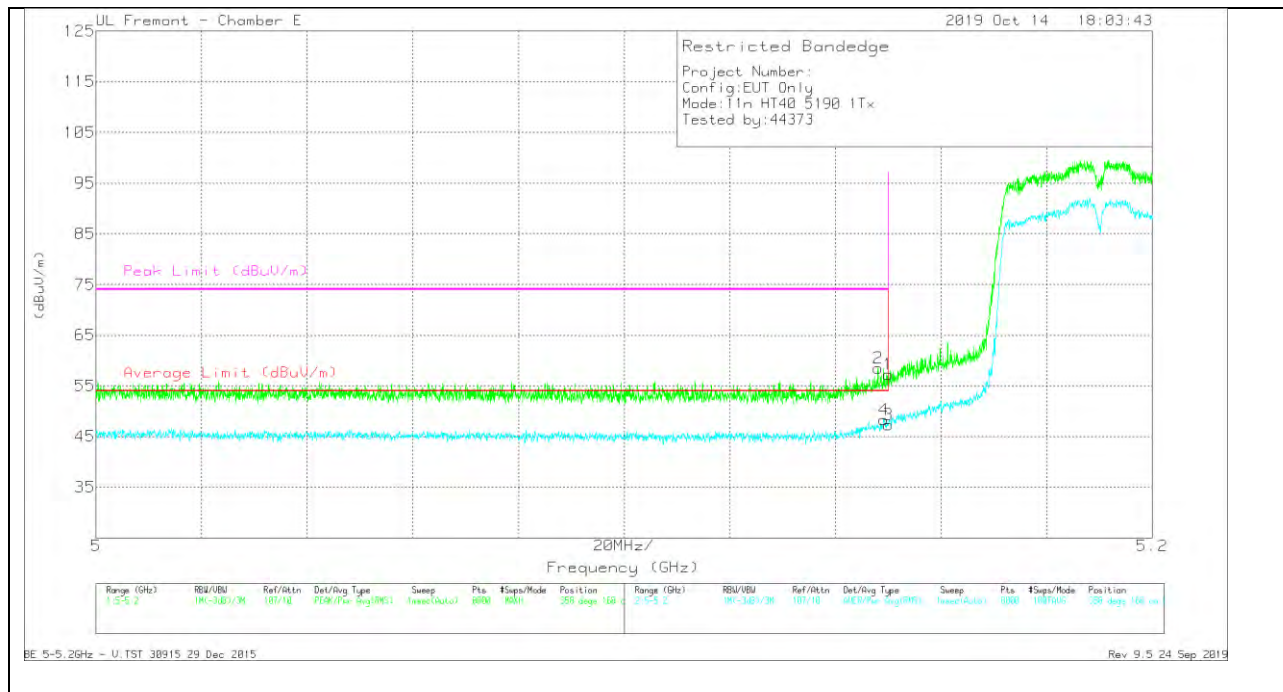
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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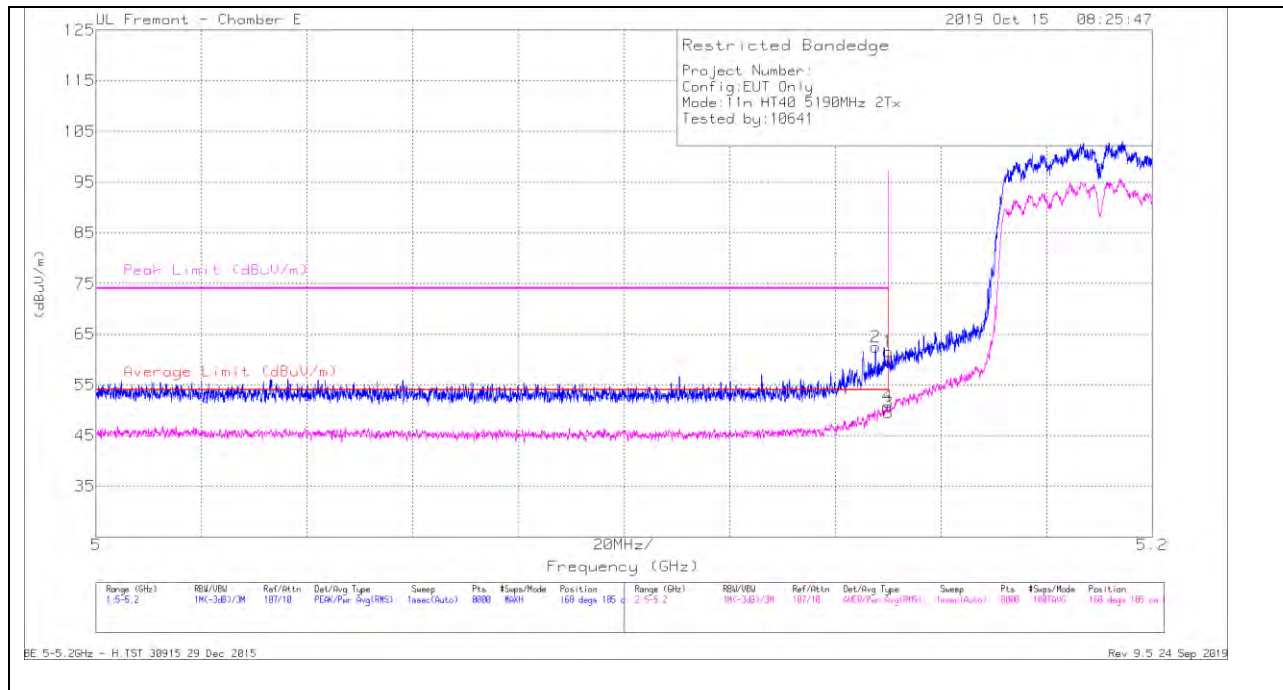
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	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	* 5.14999	44.83	Pk	34.3	-21.9	0	57.23	-	-	74	-16.77	358	168	V
2	* 5.14807	46.09	Pk	34.3	-21.9	0	58.49	-	-	74	-15.51	358	168	V
3	* 5.14999	34.86	RMS	34.3	-21.9	0.09	47.35	54	-6.65	-	-	358	168	V
4	* 5.14914	35.95	RMS	34.3	-21.9	0.09	48.44	54	-5.56	-	-	358	168	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
Rev 9.5 24 Sep 2019

2TX LAT3 + UAT2 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb I/Ftr/Pa d (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	49.15	Pk	34.3	-21.9	0	61.55	-	-	74	-12.45	168	185	H
2	* 5.14759	50.08	Pk	34.3	-21.9	0	62.48	-	-	74	-11.52	168	185	H
3	* 5.14999	37.06	RMS	34.3	-21.9	0.09	49.55	54	-4.45	-	-	168	185	H
4	* 5.14984	38.35	RMS	34.3	-21.9	0.09	50.84	54	-3.16	-	-	168	185	H

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

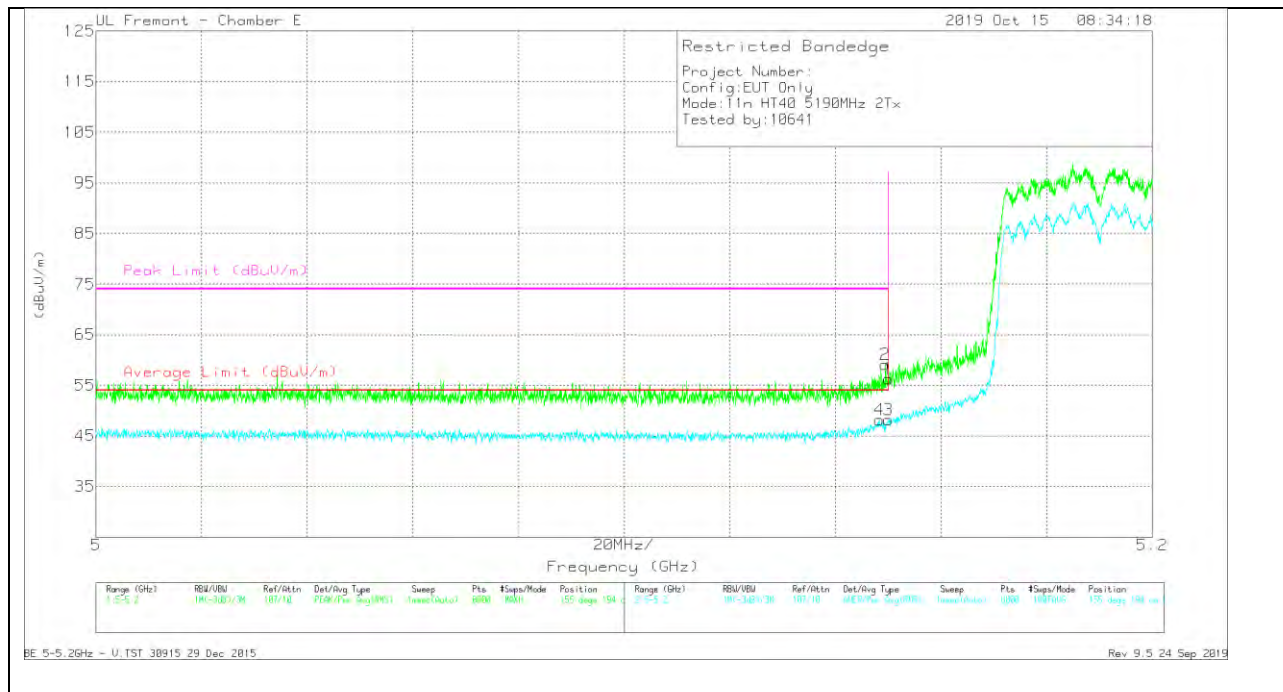
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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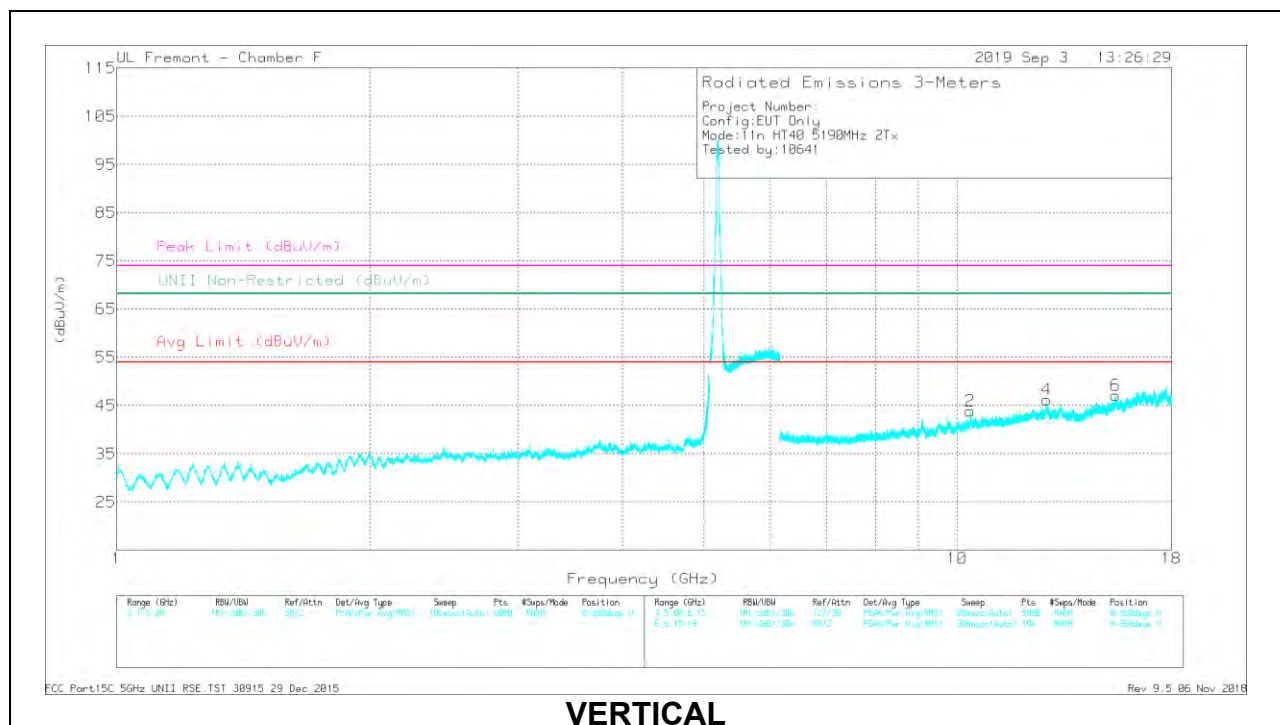
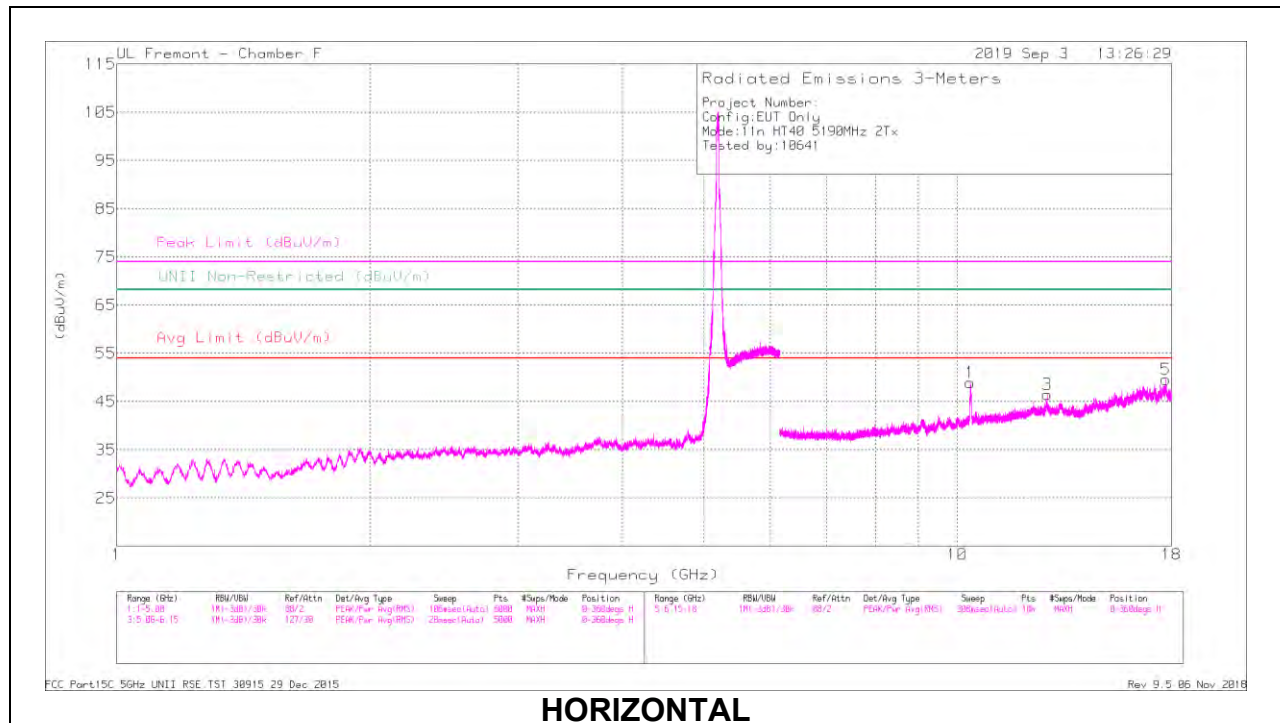
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb I/Filtr/PA d (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	43.8	Pk	34.3	-21.9	0	56.2	-	-	74	-17.8	155	194	V
2	* 5.14944	46.65	Pk	34.3	-21.9	0	59.05	-	-	74	-14.95	155	194	V
3	* 5.14999	35.66	RMS	34.3	-21.9	0.09	48.15	54	-5.85	-	-	155	194	V
4	* 5.14829	35.65	RMS	34.3	-21.9	0.09	48.14	54	-5.86	-	-	155	194	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
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HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

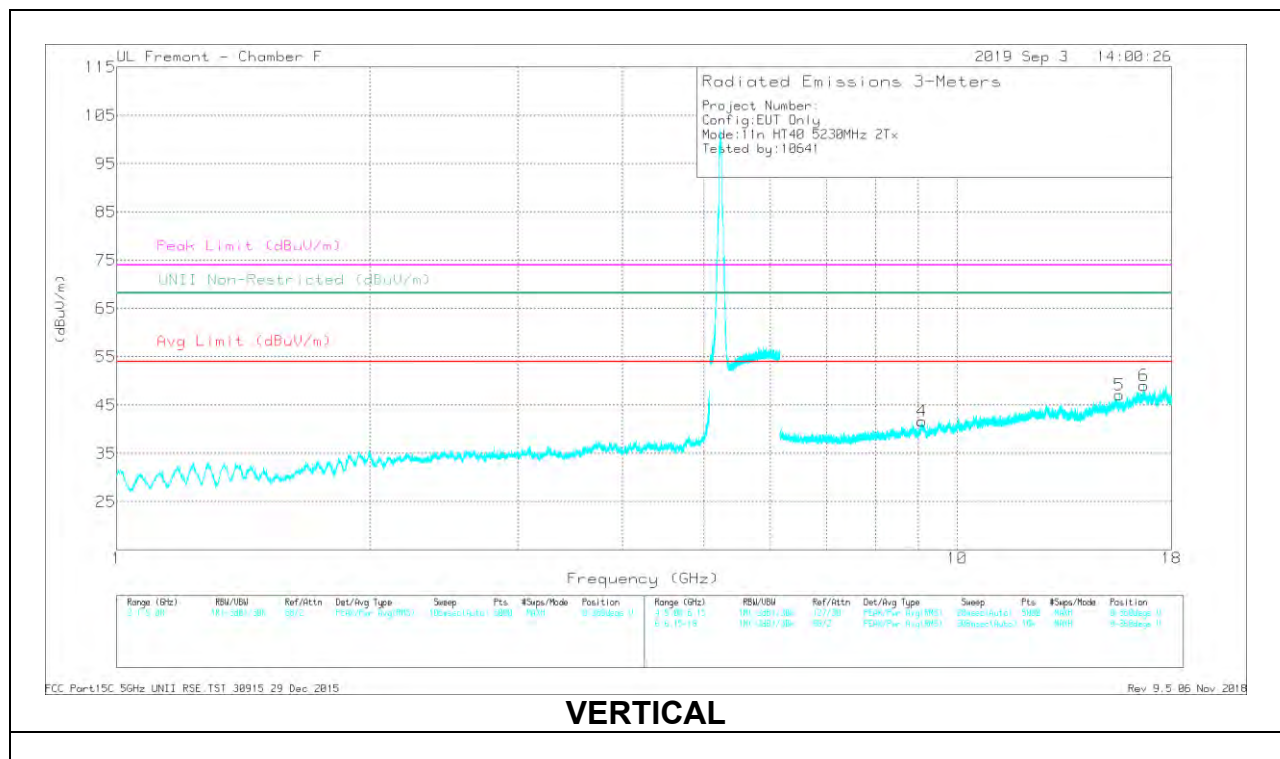
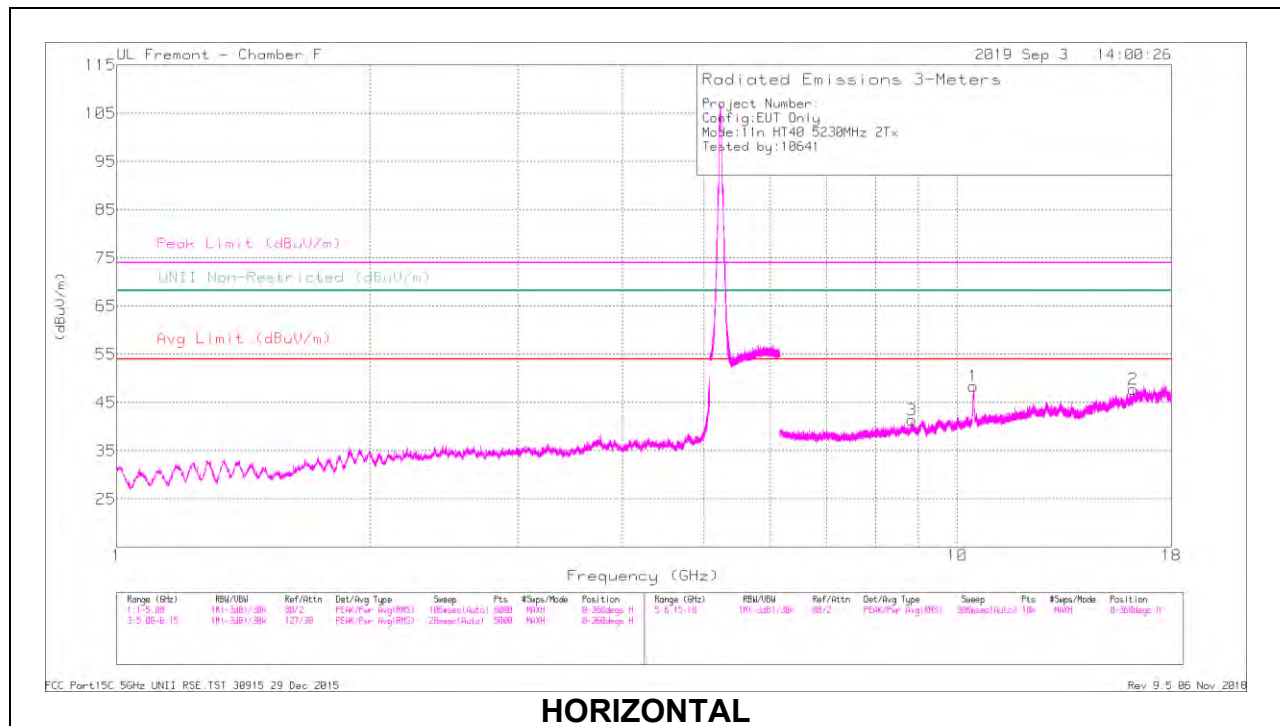
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	10.381	57.78	PK-U	37.5	-39.3	0	55.98	-	-	-	-	68.2	-12.22	72	138	H
3	12.799	50.89	PK-U	39.3	-38	0	52.19	-	-	-	-	68.2	-16.01	100	228	H
5	* 17.735	50.35	PK-U	41.5	-36.7	0	55.15	-	-	74	-18.85	-	-	126	385	H
	* 17.739	39.69	ADR	41.5	-36.7	0.09	44.58	54	-9.42	-	-	-	-	126	385	H
2	10.384	51.9	PK-U	37.5	-39.4	0	50	-	-	-	-	68.2	-18.2	194	201	V
4	12.785	50.8	PK-U	39.3	-37.9	0	52.2	-	-	-	-	68.2	-16	81	247	V
6	* 15.441	50.49	PK-U	40.4	-37.5	0	53.39	-	-	74	-20.61	-	-	149	364	V
	* 15.44	40.14	ADR	40.4	-37.5	0.09	43.13	54	-10.87	-	-	-	-	149	364	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



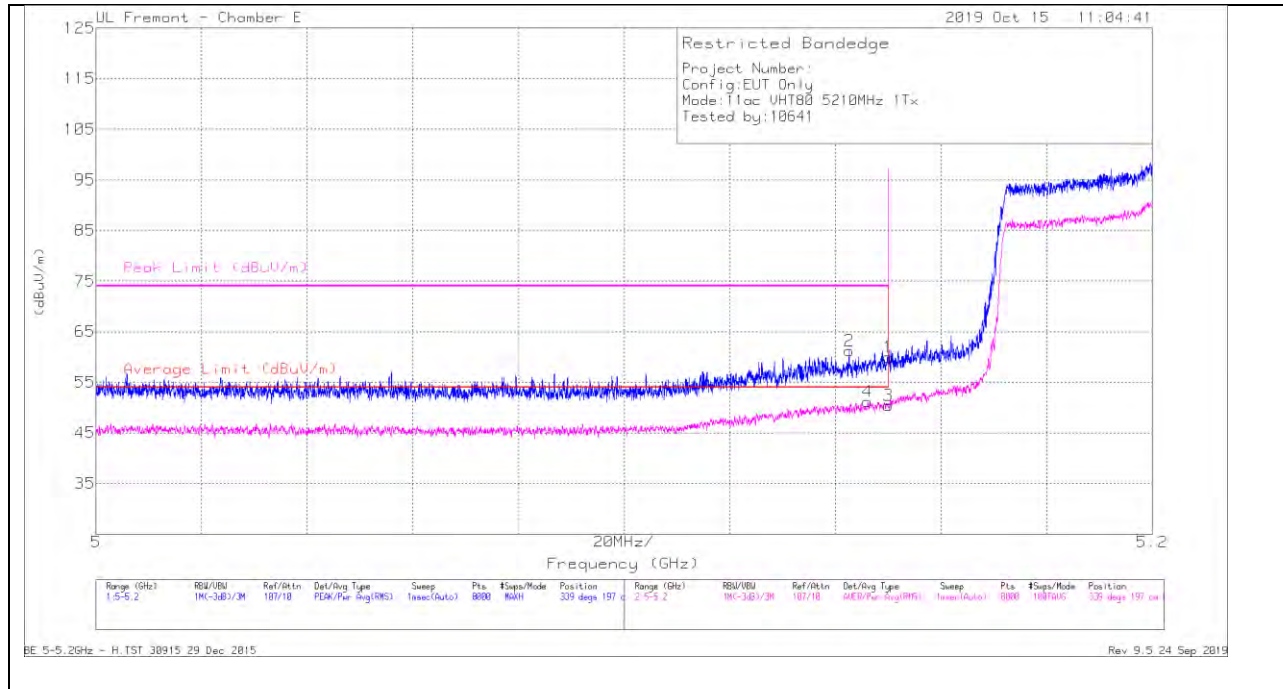
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (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)	Polarization
1	10.457	56.28	PK-U	37.7	-39.4	0	54.58	-	-	-	-	68.2	-13.62	88	132	H
2	16.214	51.13	PK-U	41	-37.9	0	54.23	-	-	-	-	68.2	-13.97	121	141	H
3	8.845	50.6	PK-U	36.1	-39.1	0	47.6	-	-	-	-	68.2	-20.6	109	159	H
6	16.685	49.9	PK-U	41.8	-36.8	0	54.9	-	-	-	-	68.2	-13.3	142	177	V
4	* 9.089	51.13	PK-U	36.3	-38.6	0	48.83	-	-	74	-25.17	-	-	155	192	V
	* 9.088	39.87	ADR	36.3	-38.7	0.09	37.56	54	-16.44	-	-	-	-	155	192	V
5	* 15.613	51.14	PK-U	40.3	-38.5	0	52.94	-	-	74	-21.06	-	-	187	220	V
	* 15.614	40.03	ADR	40.3	-38.5	0.09	41.92	54	-12.08	-	-	-	-	187	220	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

1.1.3. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND**1TX LAT3****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb I/Filtr/Pa d (dB)	DC Corr (dB)	Correct ed Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	47.56	Pk	34.3	-21.9	0	59.96	-	-	74	-14.04	339	197	H
2	* 5.14262	48.94	Pk	34.2	-21.9	0	61.24	-	-	74	-12.76	339	197	H
3	* 5.14999	37.78	RMS	34.3	-21.9	0.19	50.37	54	-3.63	-	-	339	197	H
4	* 5.14612	38.55	RMS	34.3	-21.9	0.19	51.14	54	-2.86	-	-	339	197	H

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

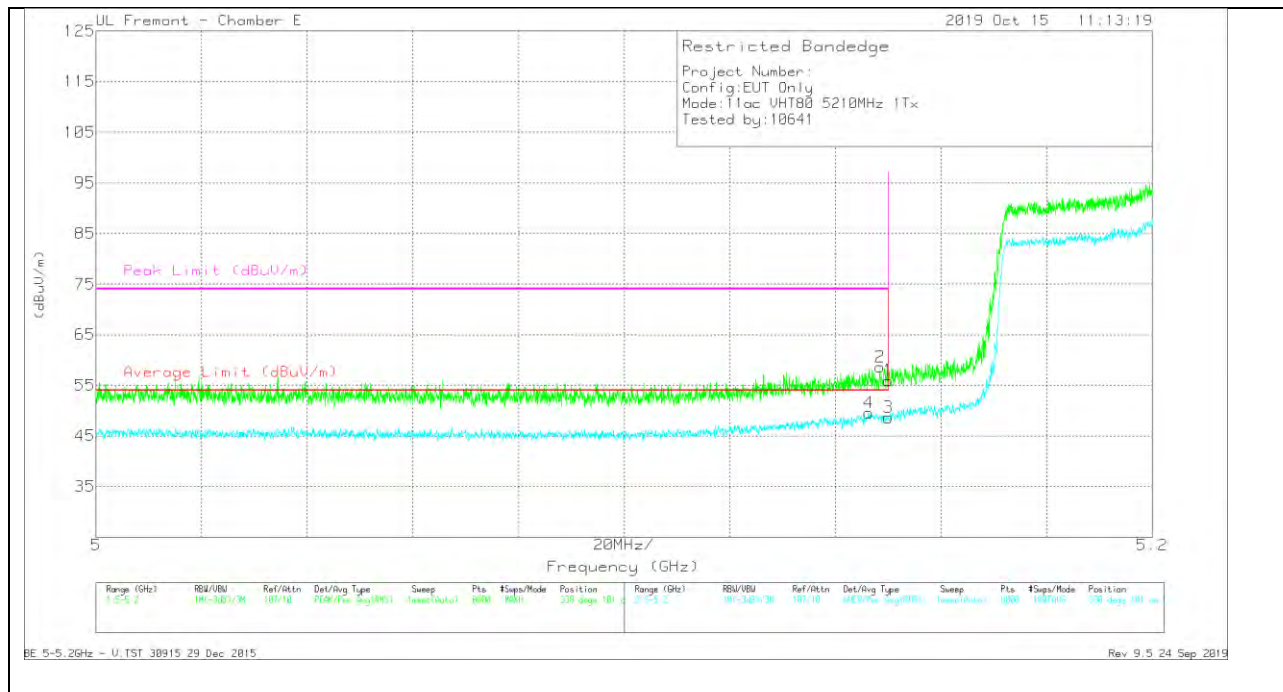
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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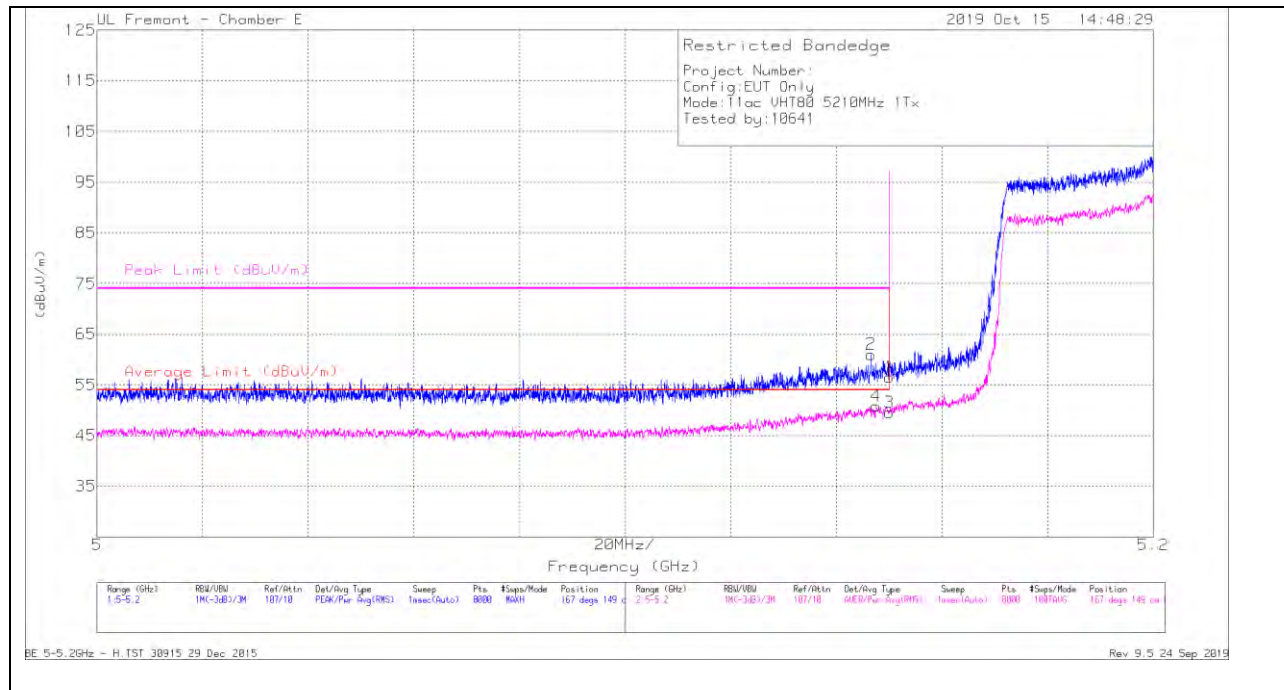
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb I/Filtr/PA d (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	* 5.14999	43.54	Pk	34.3	-21.9	0	55.94	-	-	74	-18.06	338	101	V
2	* 5.14847	46.16	Pk	34.3	-21.9	0	58.56	-	-	74	-15.44	338	101	V
3	* 5.14999	36.03	RMS	34.3	-21.9	0.19	48.62	54	-5.38	-	-	338	101	V
4	* 5.14627	36.94	RMS	34.3	-21.9	0.19	49.53	54	-4.47	-	-	338	101	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
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1TX UAT2**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb I/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	* 5.14999	44.15	Pk	34.3	-21.9	0	56.55	-	-	74	-17.45	167	149	H
2	* 5.14657	48.63	Pk	34.3	-21.9	0	61.03	-	-	74	-12.97	167	149	H
3	* 5.14999	36.94	RMS	34.3	-21.9	0.19	49.53	54	-4.47	-	-	167	149	H
4	* 5.14754	38.22	RMS	34.3	-21.9	0.19	50.81	54	-3.19	-	-	167	149	H

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

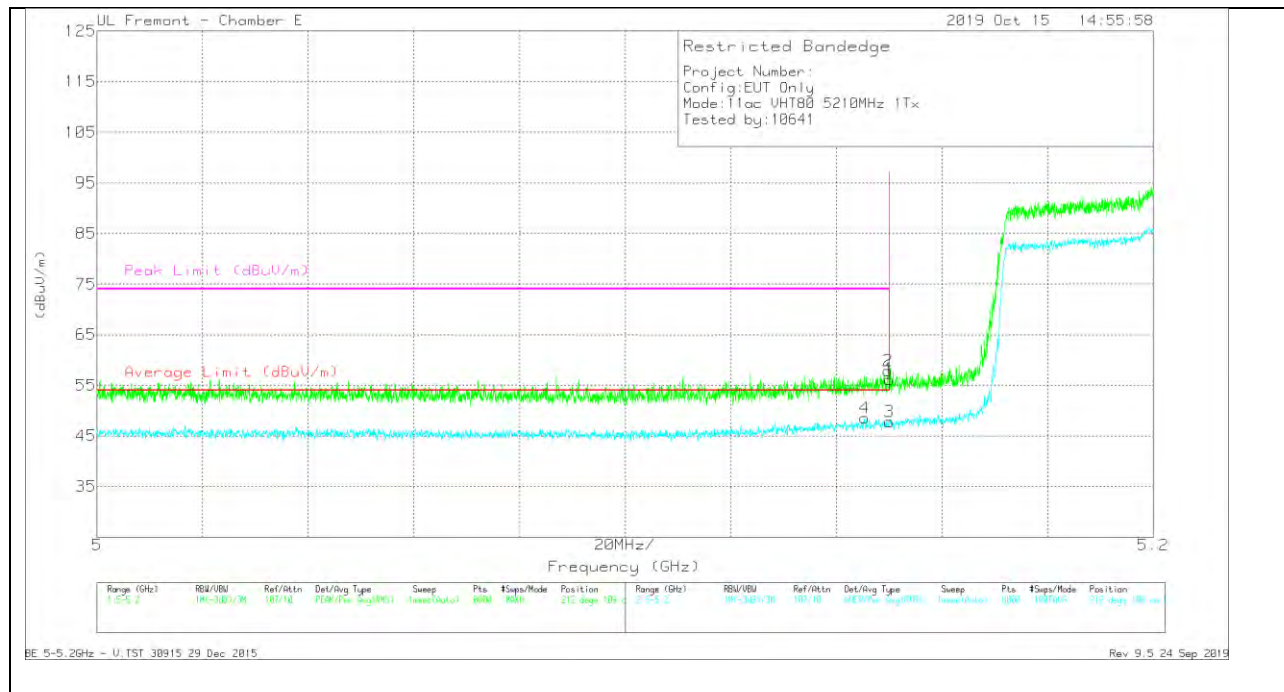
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb I/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	* 5.14999	43.79	Pk	34.3	-21.9	0	56.19	-	-	74	-17.81	212	109	V
2	* 5.14977	45.41	Pk	34.3	-21.9	0	57.81	-	-	74	-16.19	212	109	V
3	* 5.14999	35.19	RMS	34.3	-21.9	0.19	47.78	54	-6.22	-	-	212	109	V
4	* 5.14534	35.96	RMS	34.3	-21.9	0.19	48.55	54	-5.45	-	-	212	109	V

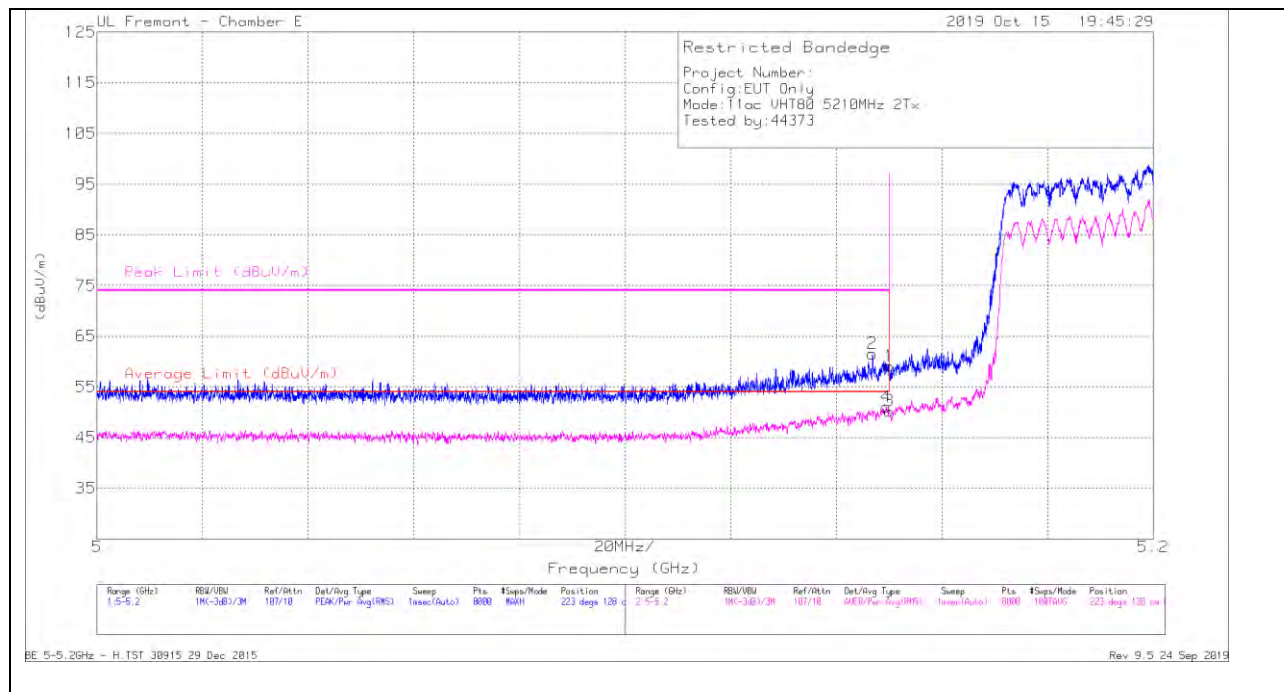
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
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2TX LAT3 + UAT2 CDD MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



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	* 5.14999	46.72	Pk	34.3	-21.9	0	59.12	-	-	74	-14.88	223	128	H
2	* 5.14682	49.13	Pk	34.3	-21.9	0	61.53	-	-	74	-12.47	223	128	H
3	* 5.14999	37.83	RMS	34.3	-21.9	0.19	50.42	54	-3.58	-	-	223	128	H
4	* 5.14947	38.67	RMS	34.3	-21.9	0.19	51.26	54	-2.74	-	-	223	128	H

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

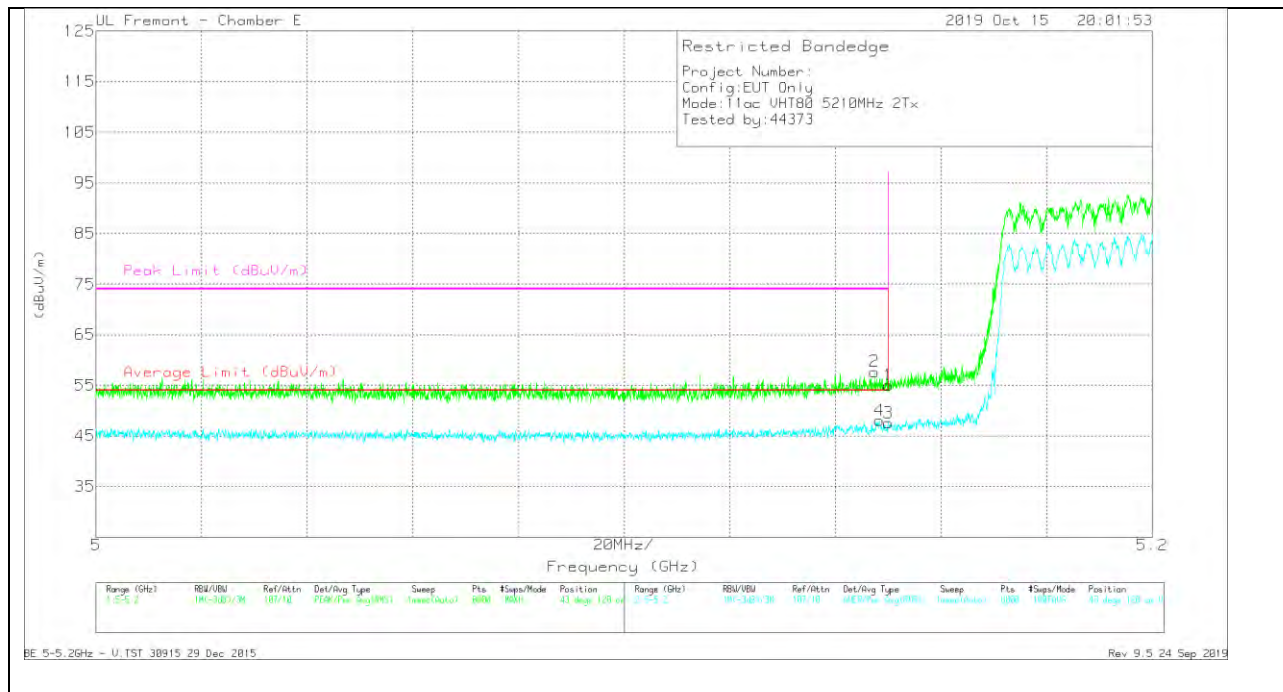
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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VERTICAL RESULT



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	* 5.14999	42.6	Pk	34.3	-21.9	0	55	-	-	74	-19	43	128	V
2	* 5.14742	45.28	Pk	34.3	-21.9	0	57.68	-	-	74	-16.32	43	128	V
3	* 5.14999	35.16	RMS	34.3	-21.9	0.19	47.75	54	-6.25	-	-	43	128	V
4	* 5.14834	35.63	RMS	34.3	-21.9	0.19	48.22	54	-5.78	-	-	43	128	V

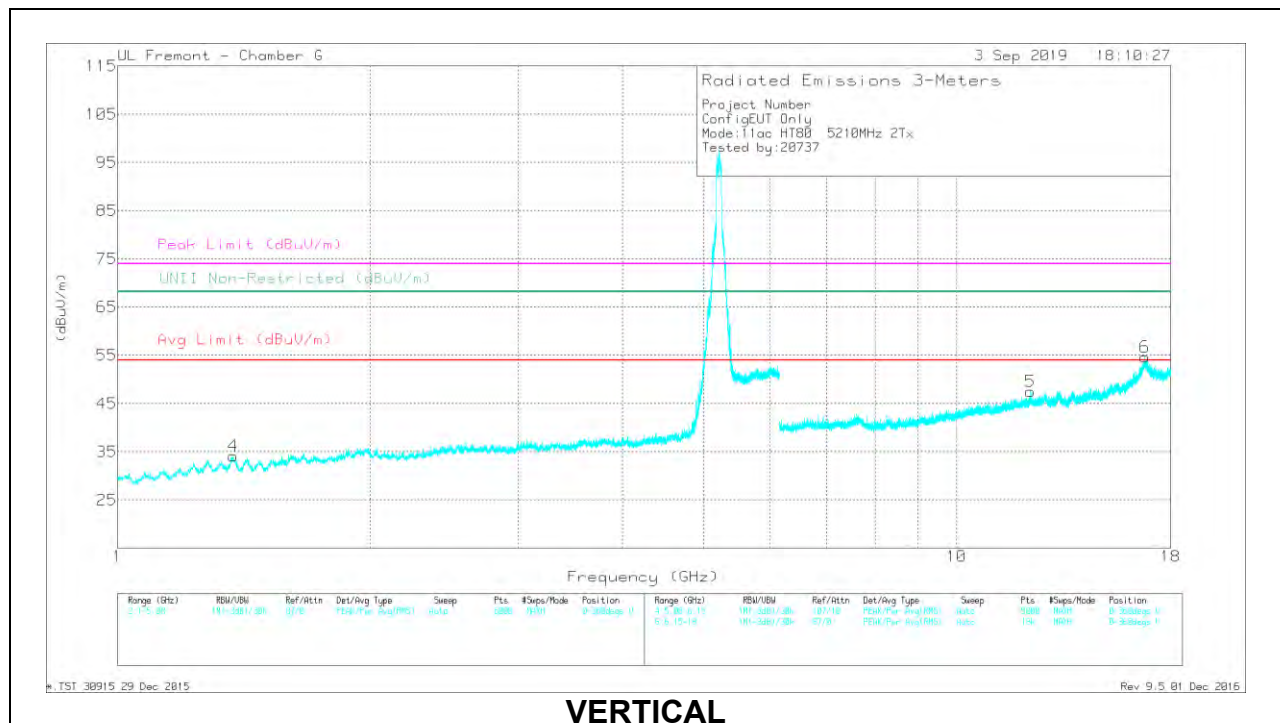
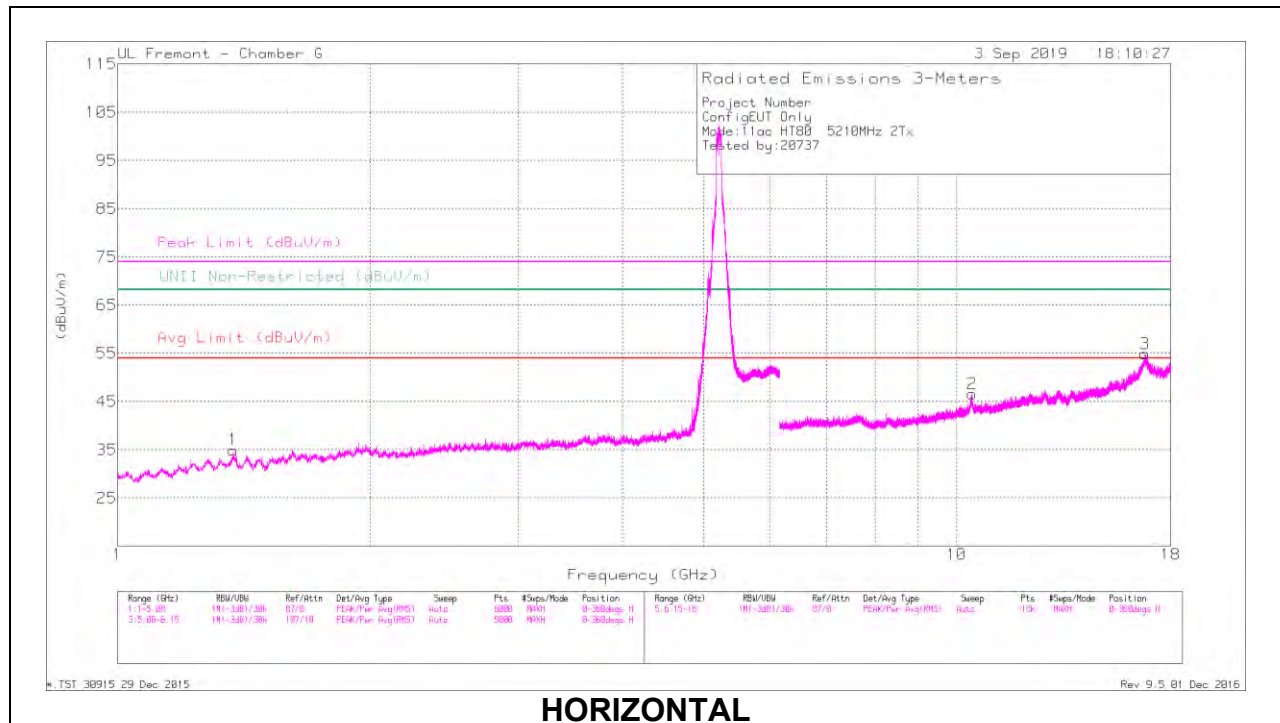
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - V.TST 30915 29 Dec 2015

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HARMONICS AND SPURIOUS EMISSIONS**MID CHANNEL RESULTS**

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Chl/Ftr/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	* 1.374	44.04	PK-U	29.5	-32.1	0	41.44	-	-	74	-32.56	-	-	284	229	H
	* 1.376	32.03	ADR	29.4	-32.1	0.19	29.52	54	-24.48	-	-	-	-	284	229	H
4	* 1.374	43.98	PK-U	29.5	-32.1	0	41.38	-	-	74	-32.62	-	-	79	235	V
	* 1.374	32.02	ADR	29.5	-32.1	0.19	29.61	54	-24.39	-	-	-	-	79	235	V
5	* 12.25	36.94	PK-U	39	-22.3	0	53.64	-	-	74	-20.36	-	-	43	228	V
	* 12.251	25.02	ADR	39	-22.3	0.19	41.91	54	-12.09	-	-	-	-	43	228	V
2	10.441	39.92	PK-U	37.5	-24.2	0	53.22	-	-	-	-	68.2	-14.98	266	130	H
3	16.771	36.1	PK-U	41.8	-17.1	0	60.8	-	-	-	-	68.2	-7.4	205	233	H
6	16.785	36.26	PK-U	41.7	-16.9	0	61.06	-	-	-	-	68.2	-7.14	77	321	V

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

PK-U - U-NII: Maximum Peak

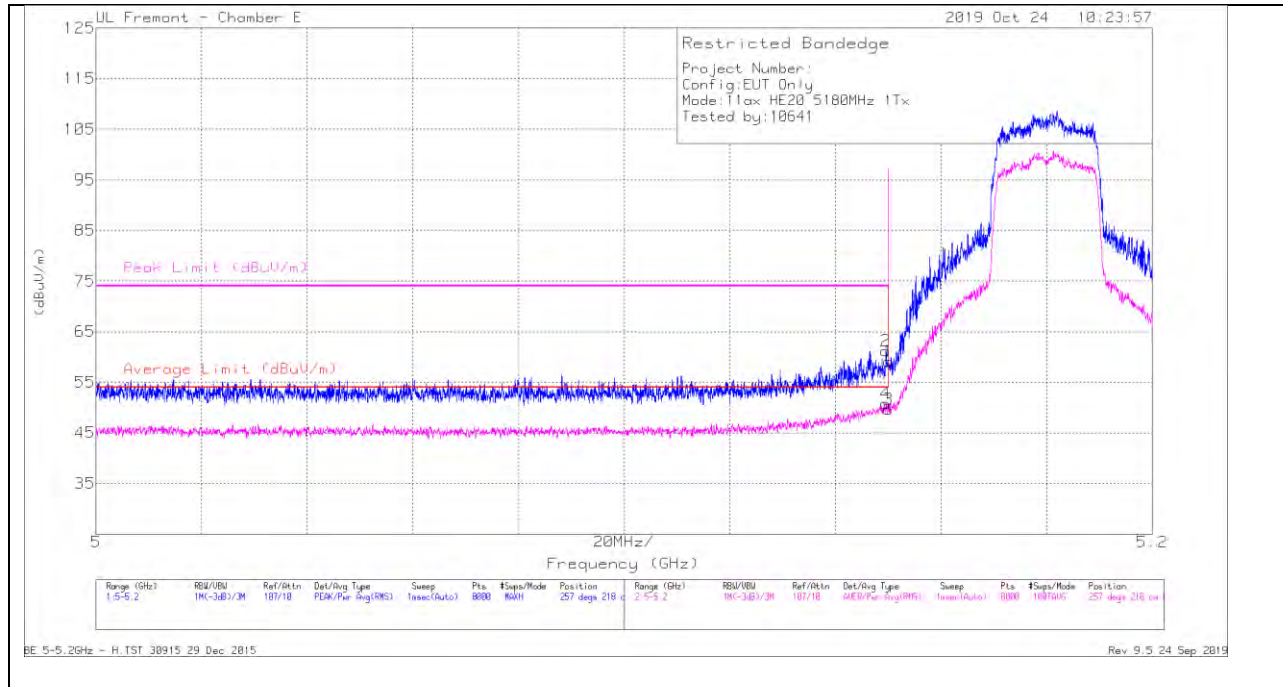
ADR - U-NII AD primary method, RMS average

1.1.4. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.2 GHz BAND

1TX LAT3 – 242 Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	46.76	Pk	34.3	-21.9	59.16	-	-	74	-14.84	257	218	H
2	* 5.14959	48.79	Pk	34.3	-21.9	61.19	-	-	74	-12.81	257	218	H
3	* 5.14999	37.3	RMS	34.3	-21.9	49.7	54	-4.3	-	-	257	218	H
4	* 5.14959	38.35	RMS	34.3	-21.9	50.75	54	-3.25	-	-	257	218	H

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

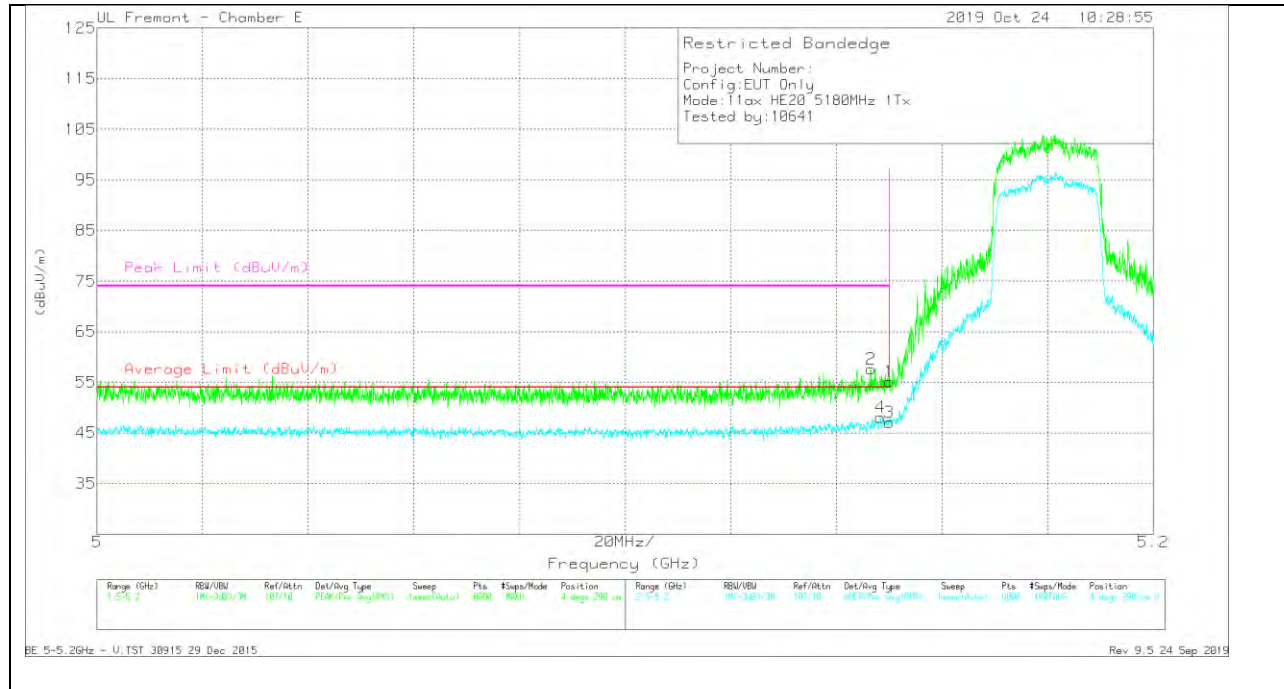
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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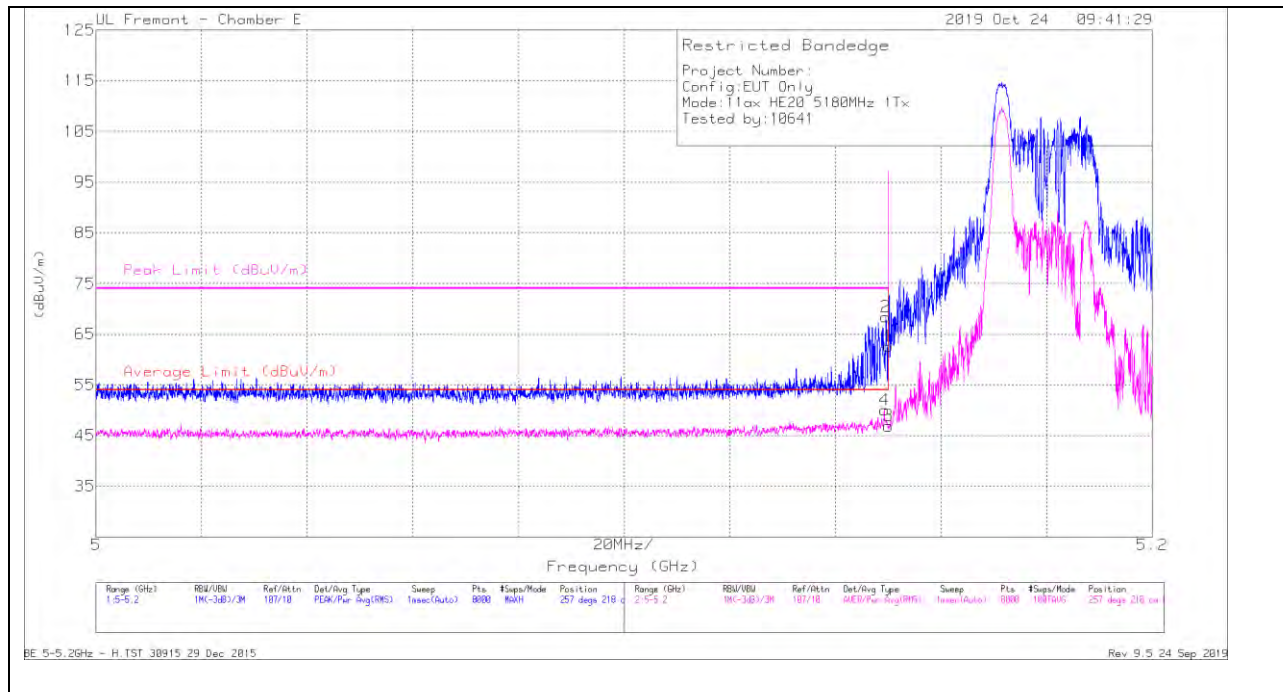
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	42.69	Pk	34.3	-21.9	55.09	-	-	74	-18.91	4	290	V
2	* 5.14654	45.23	Pk	34.3	-21.9	57.63	-	-	74	-16.37	4	290	V
3	* 5.14999	34.71	RMS	34.3	-21.9	47.11	54	-6.89	-	-	4	290	V
4	* 5.14829	35.63	RMS	34.3	-21.9	48.03	54	-5.97	-	-	4	290	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
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BANDEDGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	50.18	Pk	34.3	-21.9	62.58	-	-	74	-11.42	257	218	H
2	* 5.14959	56.01	Pk	34.3	-21.9	68.41	-	-	74	-5.59	257	218	H
3	* 5.14999	34.48	RMS	34.3	-21.9	46.88	54	-7.12	-	-	257	218	H
4	* 5.14924	37.6	RMS	34.3	-21.9	50	54	-4	-	-	257	218	H

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

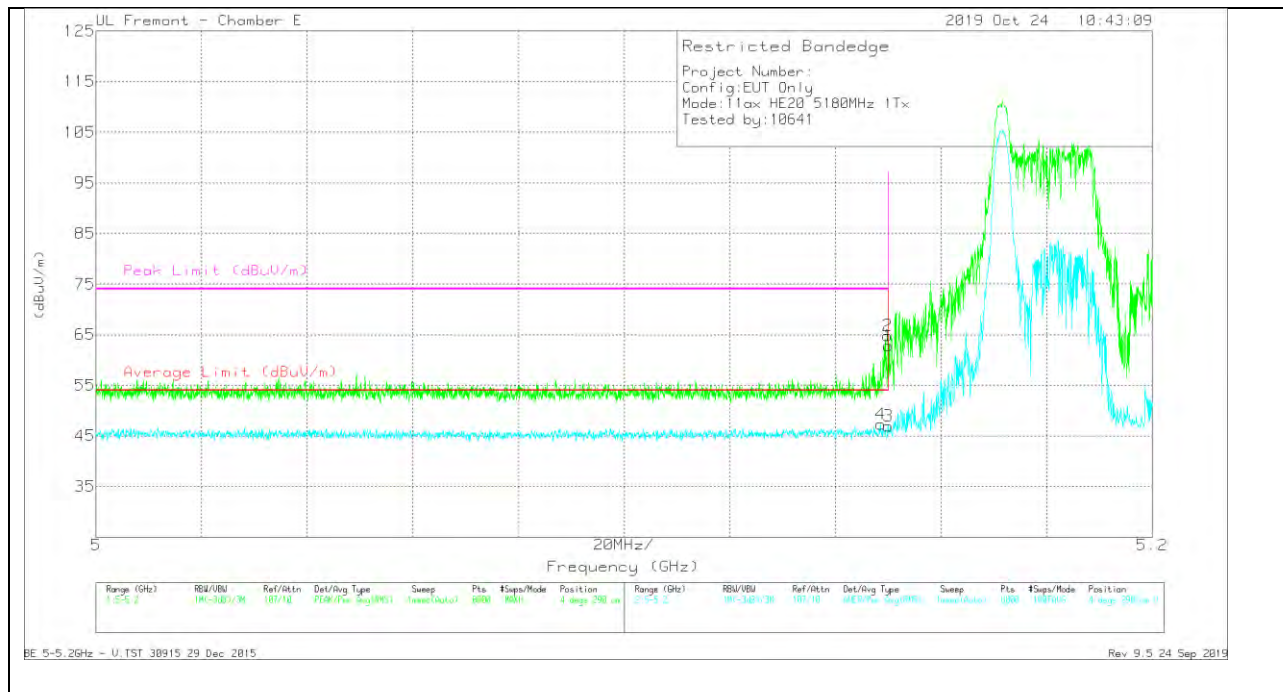
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

Rev 9.5 24 Sep 2019

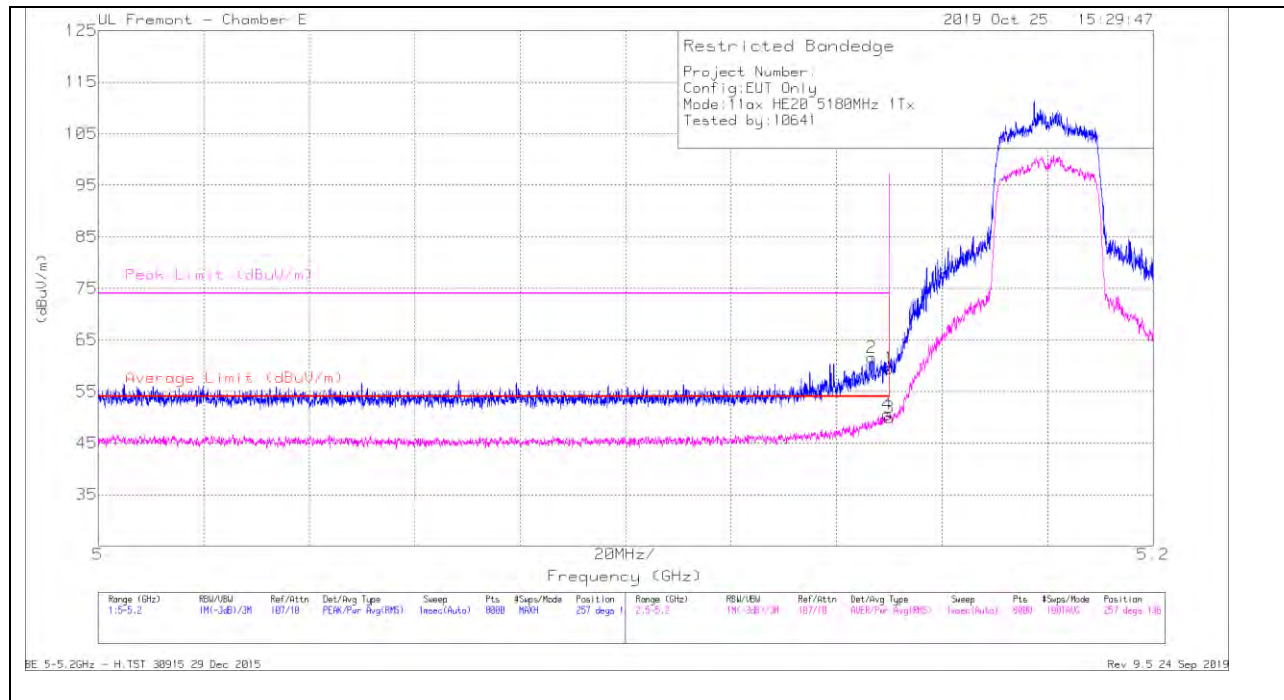
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	50.42	Pk	34.3	-21.9	62.82	-	-	74	-11.18	4	290	V
2	* 5.14992	52.44	Pk	34.3	-21.9	64.84	-	-	74	-9.16	4	290	V
3	* 5.14999	34.5	RMS	34.3	-21.9	46.9	54	-7.1	-	-	4	290	V
4	* 5.14857	34.89	RMS	34.3	-21.9	47.29	54	-6.71	-	-	4	290	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
Rev 9.5 24 Sep 2019

1TX UAT2 – 242 Tones, RU Index 61**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	47.12	Pk	34.3	-21.9	59.52	-	-	74	-14.48	257	136	H
2	* 5.14664	49.18	Pk	34.3	-21.9	61.58	-	-	74	-12.42	257	136	H
3	* 5.14999	37.53	RMS	34.3	-21.9	49.93	54	-4.07	-	-	257	136	H
4	* 5.14962	38.13	RMS	34.3	-21.9	50.53	54	-3.47	-	-	257	136	H

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

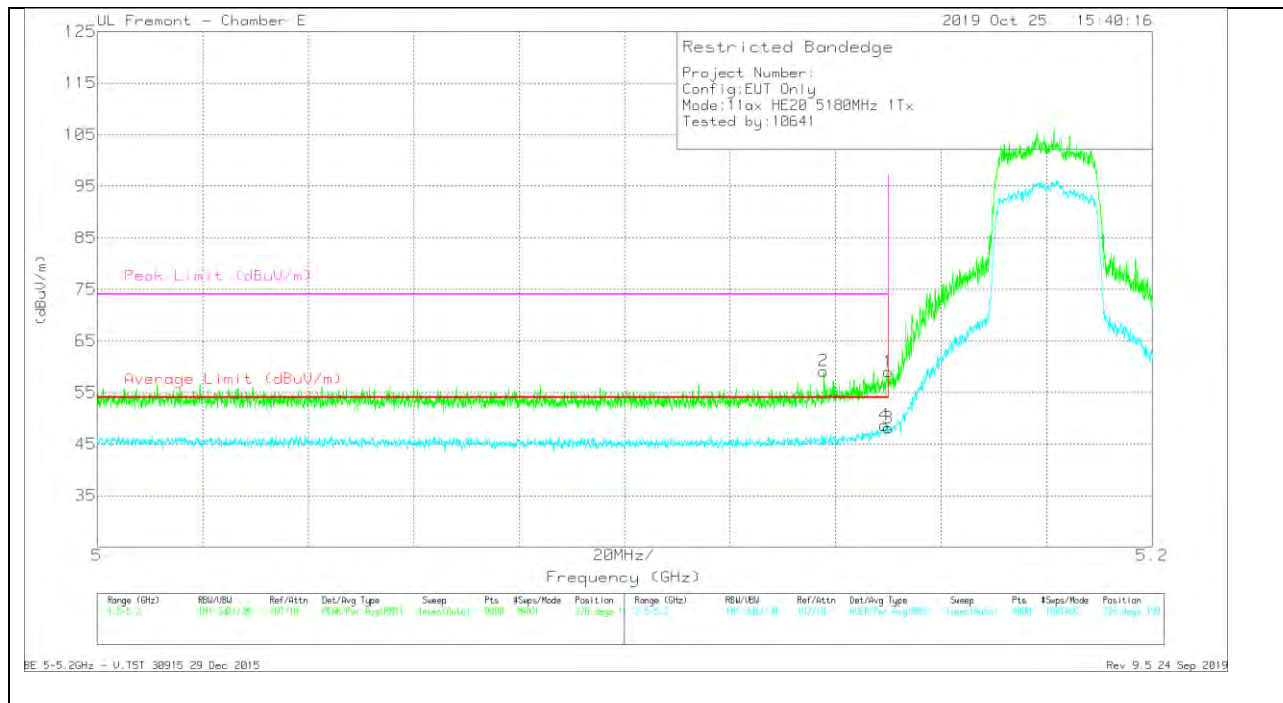
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Dogs)	Height (cm)	Polarity
1	* 5.14999	46.57	Pk	34.3	-21.9	58.97	-	-	74	-15.03	276	199	V
2	* 5.13774	46.68	Pk	34.3	-21.8	59.18	-	-	74	-14.82	276	199	V
3	* 5.14999	35.7	RMS	34.3	-21.9	48.1	54	-5.9	-	-	276	199	V
4	* 5.14924	36.26	RMS	34.3	-21.9	48.66	54	-5.34	-	-	276	199	V

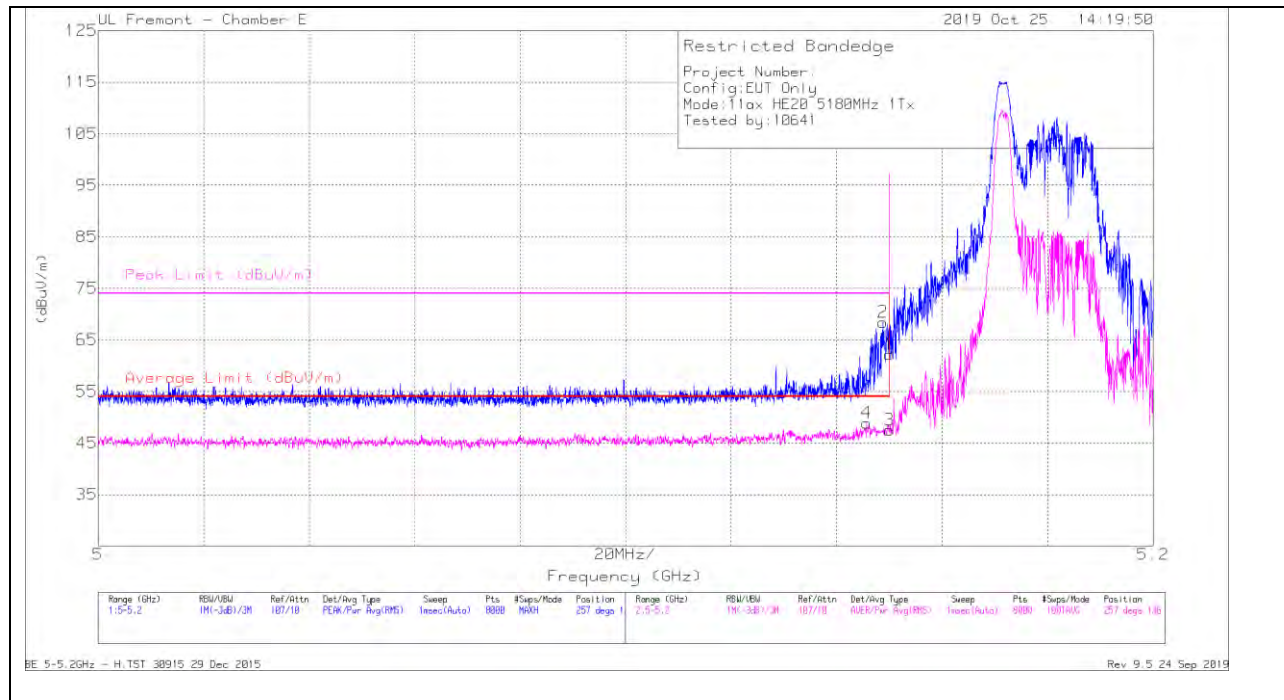
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - V.TST 30915 29 Dec 2015

Rev 9.5 24 Sep 2019

BANDEGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	49.79	Pk	34.3	-21.9	62.19	-	-	74	-11.81	257	136	H
2	* 5.14879	56.03	Pk	34.3	-21.9	68.43	-	-	74	-5.57	257	136	H
3	* 5.14999	35.13	RMS	34.3	-21.9	47.53	54	-6.47	-	-	257	136	H
4	* 5.14564	36.51	RMS	34.3	-21.9	48.91	54	-5.09	-	-	257	136	H

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

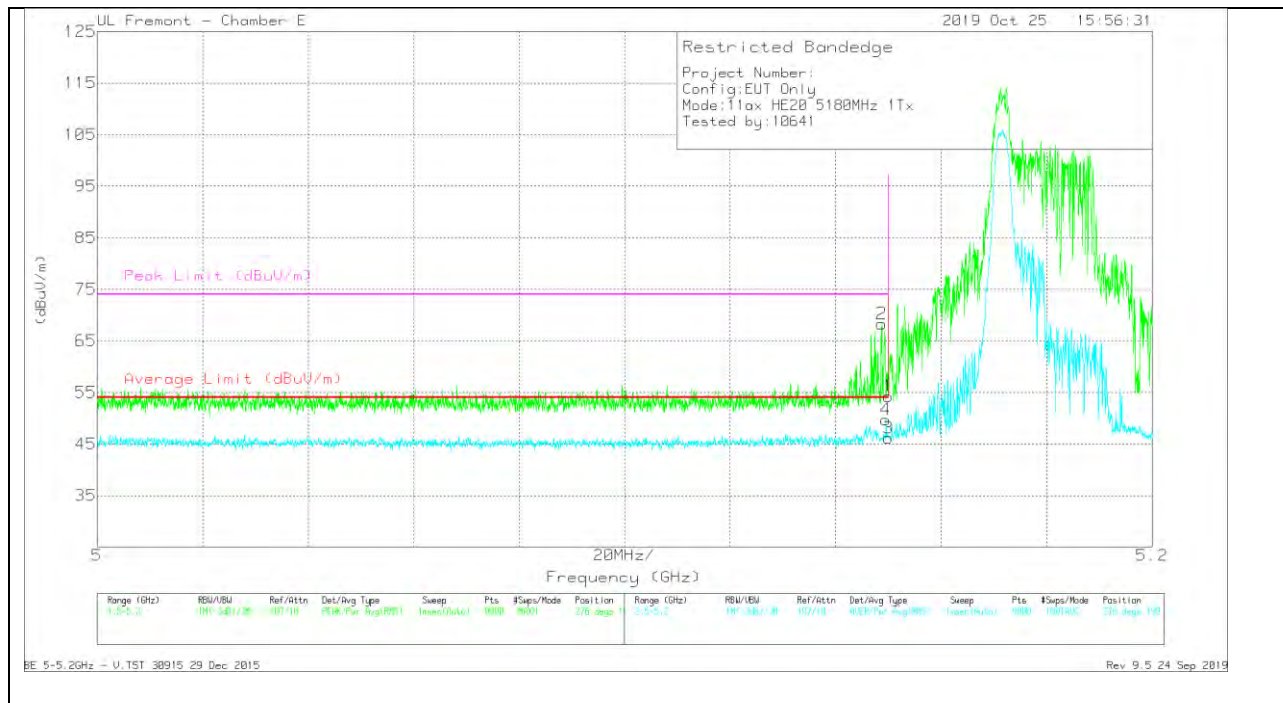
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Dega)	Height (cm)	Polarity
1	* 5.14999	41.9	Pk	34.3	-21.9	54.3	-	-	74	-19.7	276	199	V
2	* 5.14872	55.91	Pk	34.3	-21.9	68.31	-	-	74	-5.69	276	199	V
3	* 5.14999	33.77	RMS	34.3	-21.9	46.17	54	-7.83	-	-	276	199	V
4	* 5.14952	37.35	RMS	34.3	-21.9	49.75	54	-4.25	-	-	276	199	V

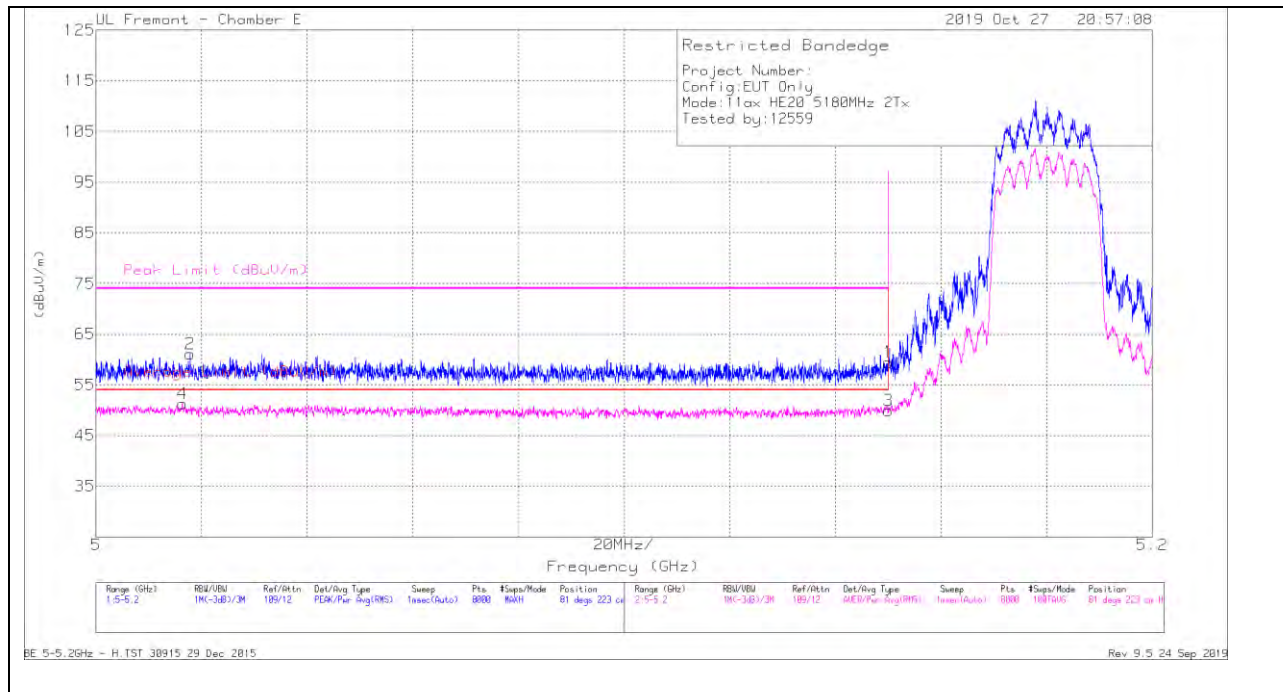
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - V.TST 30915 29 Dec 2015

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BANDEDGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	41.62	Pk	34.3	-16.5	59.42	-	-	74	-14.58	81	223	H
2	* 5.01783	43.01	Pk	34.1	-16	61.11	-	-	74	-12.89	81	223	H
3	* 5.14999	32.1	RMS	34.3	-16.5	49.9	54	-4.1	-	-	81	223	H
4	* 5.01635	33.09	RMS	34.2	-16	51.29	54	-2.71	-	-	81	223	H

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

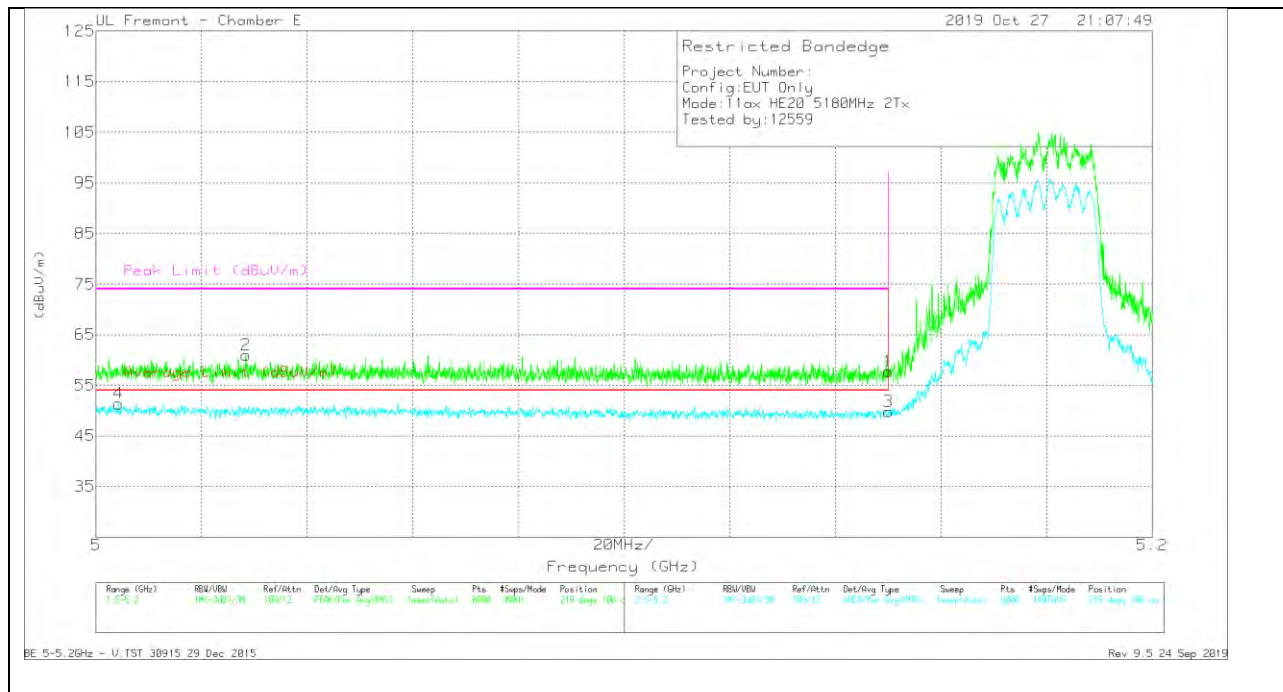
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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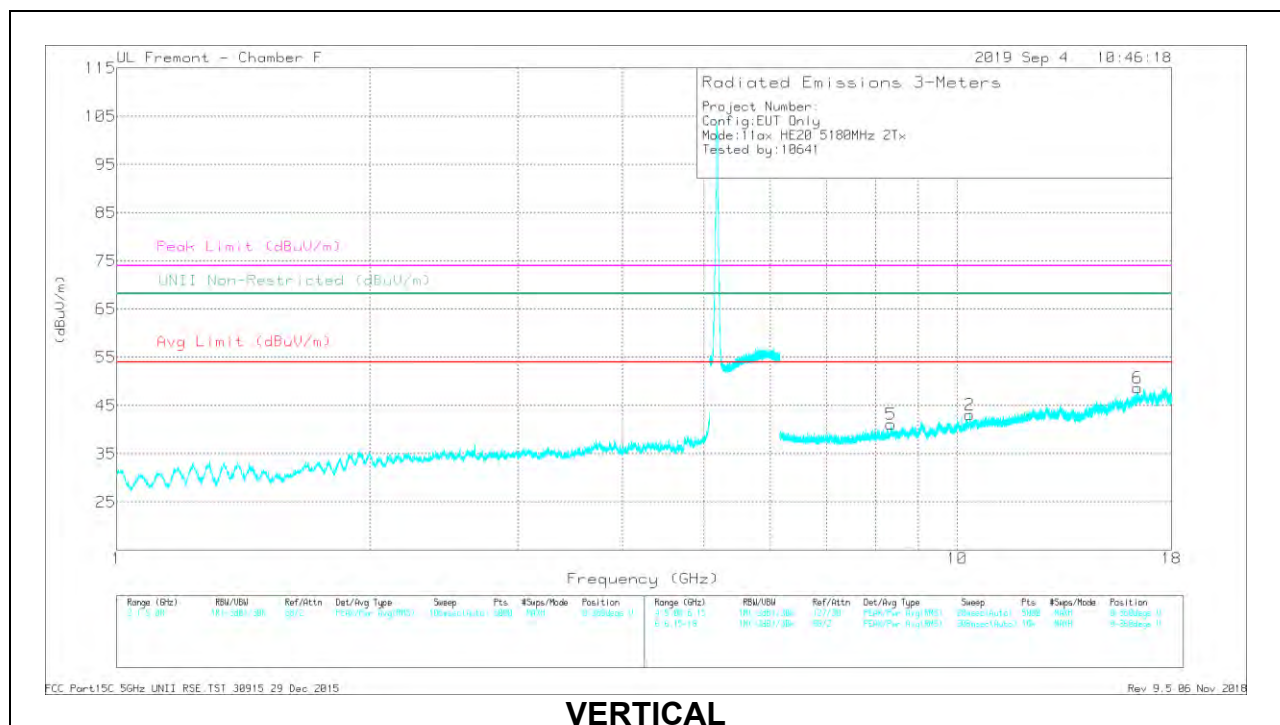
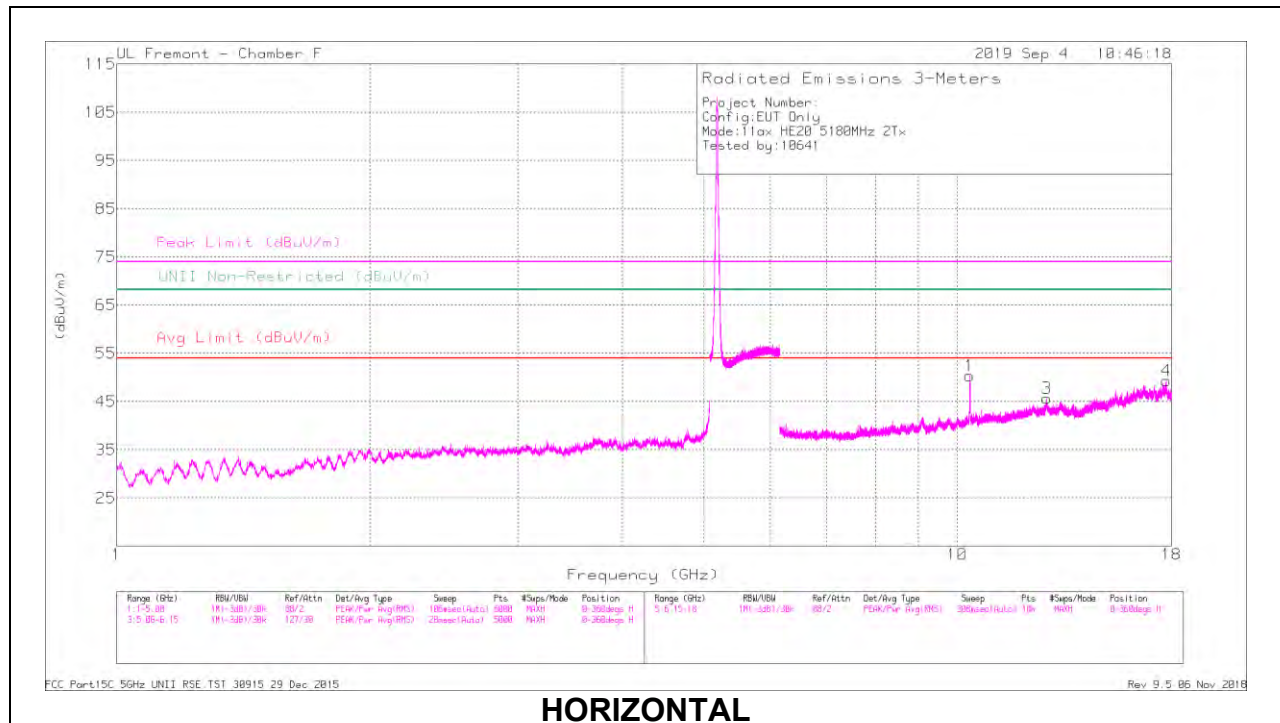
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	39.95	Pk	34.3	-16.5	57.75	-	-	74	-16.25	219	100	V
2	* 5.02838	42.85	Pk	34.1	-16	60.95	-	-	74	-13.05	219	100	V
3	* 5.14999	32.05	RMS	34.3	-16.5	49.85	54	-4.15	-	-	219	100	V
4	* 5.00423	33.15	RMS	34.1	-15.9	51.35	54	-2.65	-	-	219	100	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
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HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

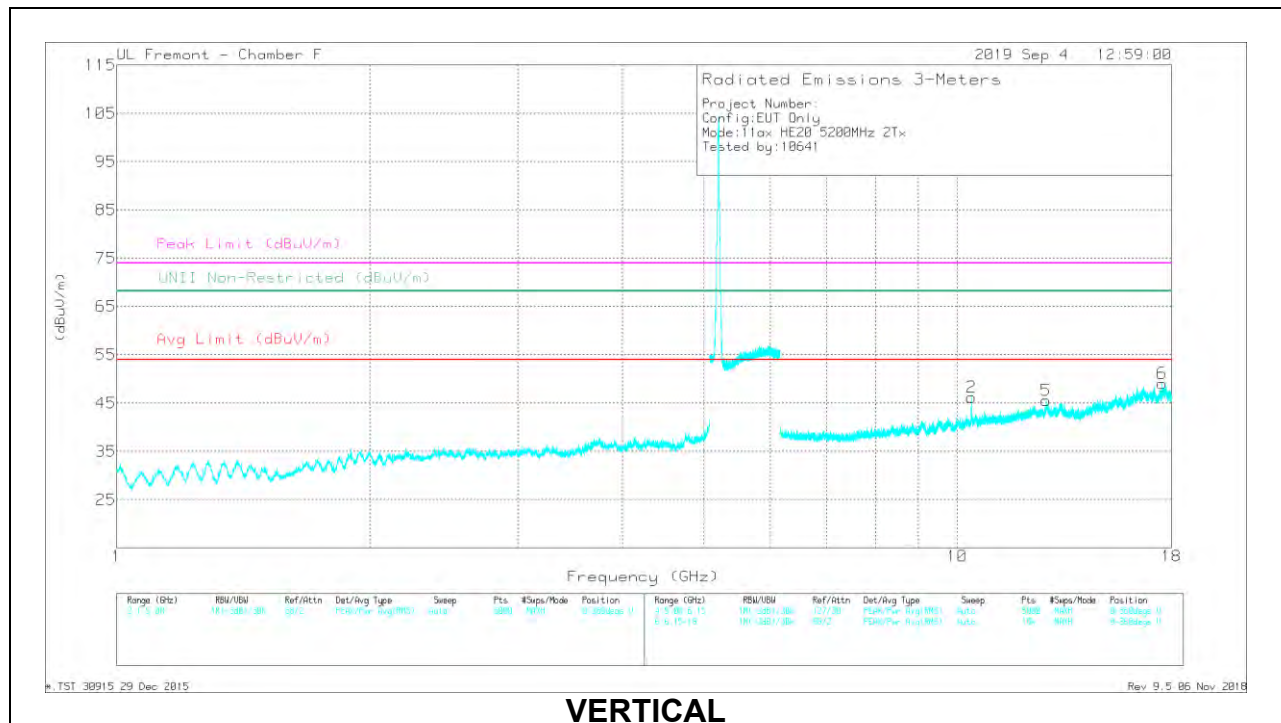
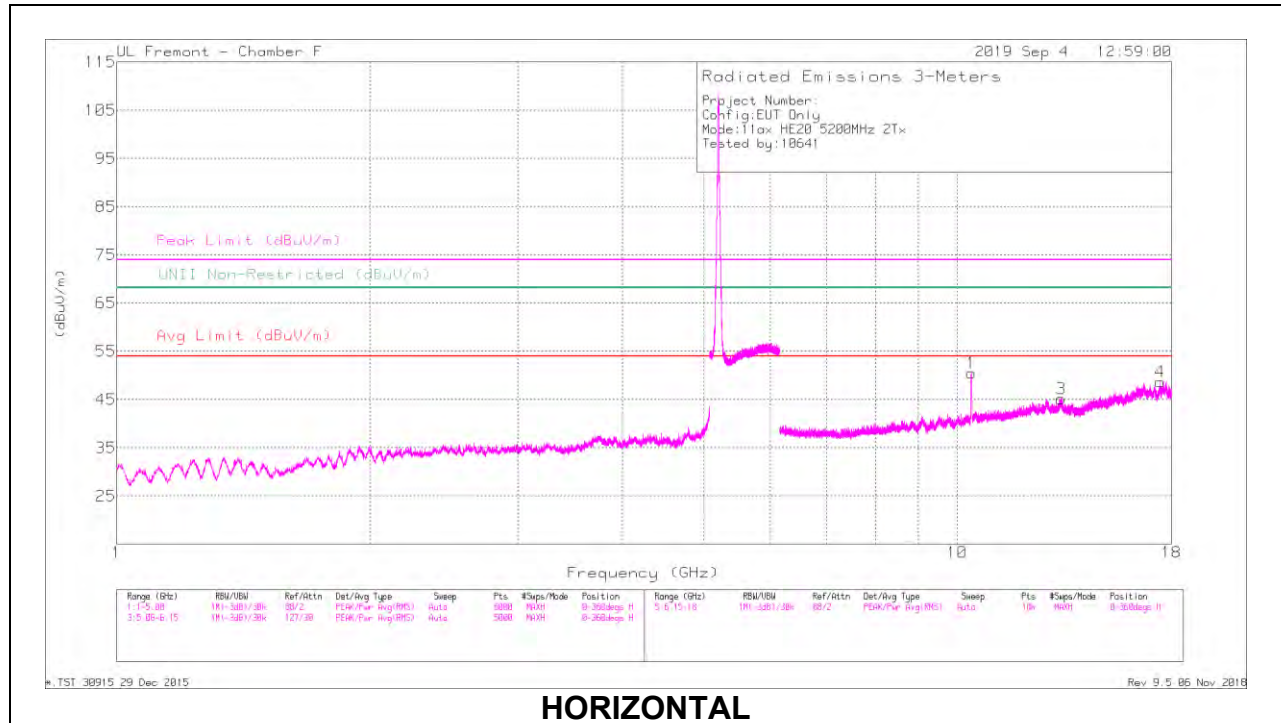
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.36	57.92	PK-U	37.5	-39.4	56.02	-	-	-	-	68.2	-12.18	87	102	H
3	12.779	50.66	PK-U	39.2	-38	51.86	-	-	-	-	68.2	-16.34	238	202	H
4	* 17.742	52.01	PK-U	41.5	-36.7	56.81	-	-	74	-17.19	-	-	158	201	H
	* 17.741	40.1	ADR	41.5	-36.7	44.9	-	-9.1	-	-	-	-	158	201	H
2	10.359	51.95	PK-U	37.5	-39.4	50.05	-	-	-	-	68.2	-18.15	204	211	V
6	16.402	51.01	PK-U	41.3	-37.5	54.81	-	-	-	-	68.2	-13.39	204	179	V
5	* 8.348	50.51	PK-U	35.8	-39.3	47.01	-	-	74	-26.99	-	-	181	218	V
	* 8.345	39.58	ADR	35.8	-39.4	35.98	54	-18.02	-	-	-	-	181	218	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



RADIATED EMISSIONS

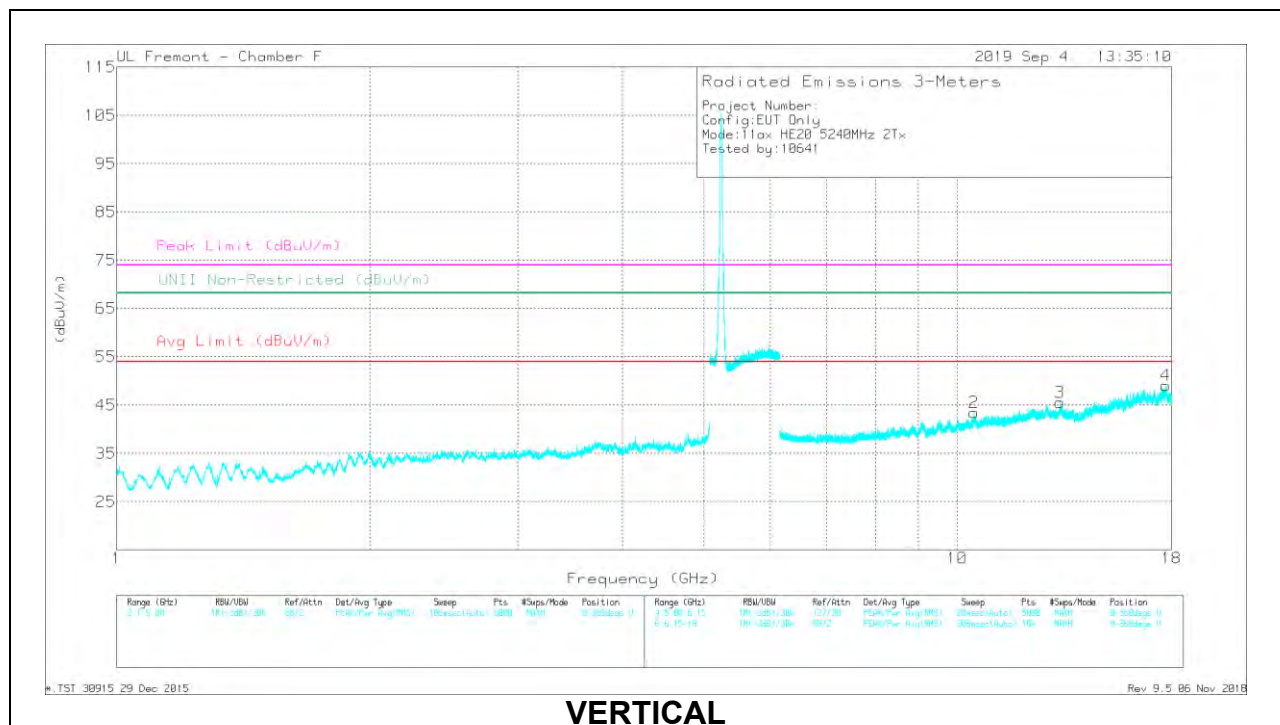
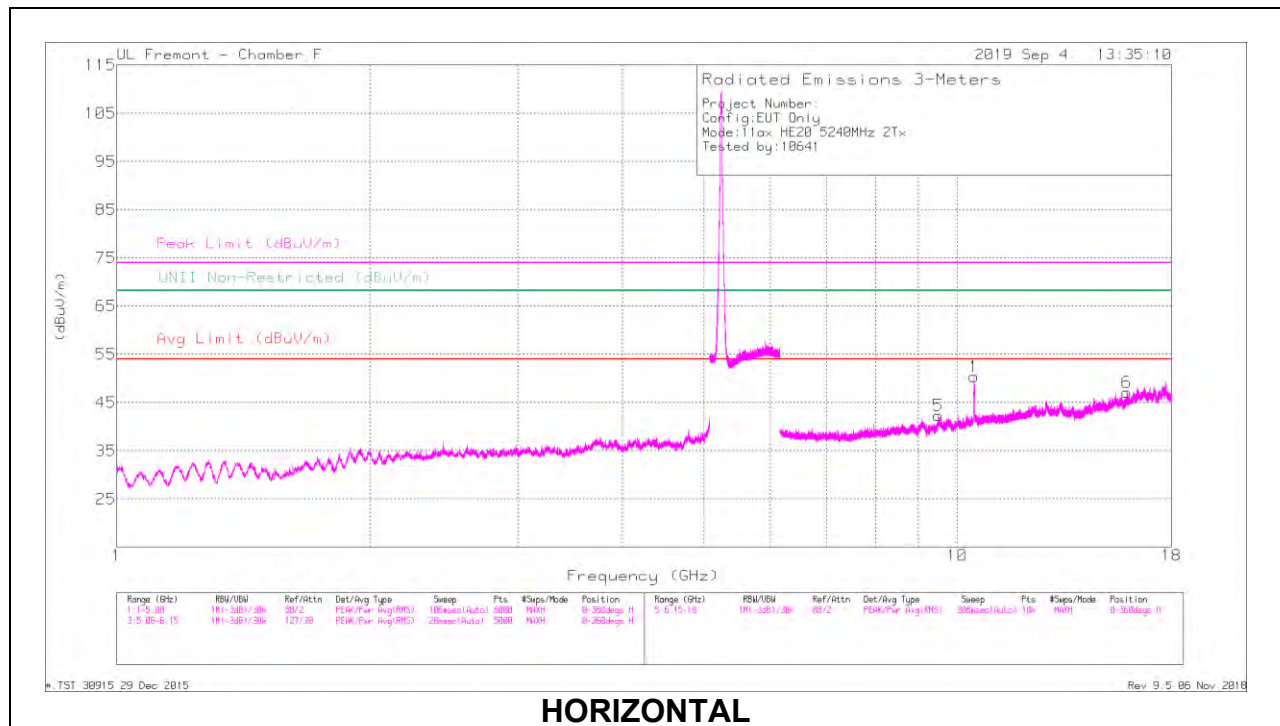
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.399	59.79	PK-U	37.5	-39.4	57.89	-	-	-	-	68.2	-10.31	86	100	H
4	17.464	50.89	PK-U	41.5	-37.5	54.89	-	-	-	-	68.2	-13.31	104	241	H
3	* 13.295	50.62	PK-U	39.3	-38	51.92	-	-	74	-22.08	-	-	134	208	H
	* 13.295	39.31	ADR	39.3	-38	40.61	54	-13.39	-	-	-	-	134	208	H
2	10.404	54.43	PK-U	37.5	-39.5	52.43	-	-	-	-	68.2	-15.77	42	187	V
5	12.767	50.62	PK-U	39.3	-38	51.92	-	-	-	-	68.2	-16.28	91	199	V
6	17.548	50.92	PK-U	41.6	-36.9	55.62	-	-	-	-	68.2	-12.58	135	227	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



RADIATED EMISSIONS

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl /Filt/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.48	58.05	PK-U	37.7	-38.9	56.85	-	-	-	-	68.2	-11.35	255	100	H
5	9.501	51.56	PK-U	36.6	-39.7	48.46	-	-	-	-	68.2	-19.74	222	203	H
6	* 15.94	50.86	PK-U	40.6	-37.1	54.36	-	-	74	-19.64	-	-	185	221	H
	* 15.939	39.29	ADR	40.6	-37.1	42.79	54	-11.21	-	-	-	-	185	221	H
2	10.479	51.22	PK-U	37.7	-38.9	50.02	-	-	-	-	68.2	-18.18	202	218	V
3	13.248	50.52	PK-U	39.3	-38.4	51.42	-	-	-	-	68.2	-16.78	179	231	V
4	* 17.73	50.65	PK-U	41.5	-36.6	55.55	-	-	74	-18.45	-	-	223	251	V
	* 17.728	39.9	ADR	41.6	-36.7	44.8	54	-9.2	-	-	-	-	223	251	V

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

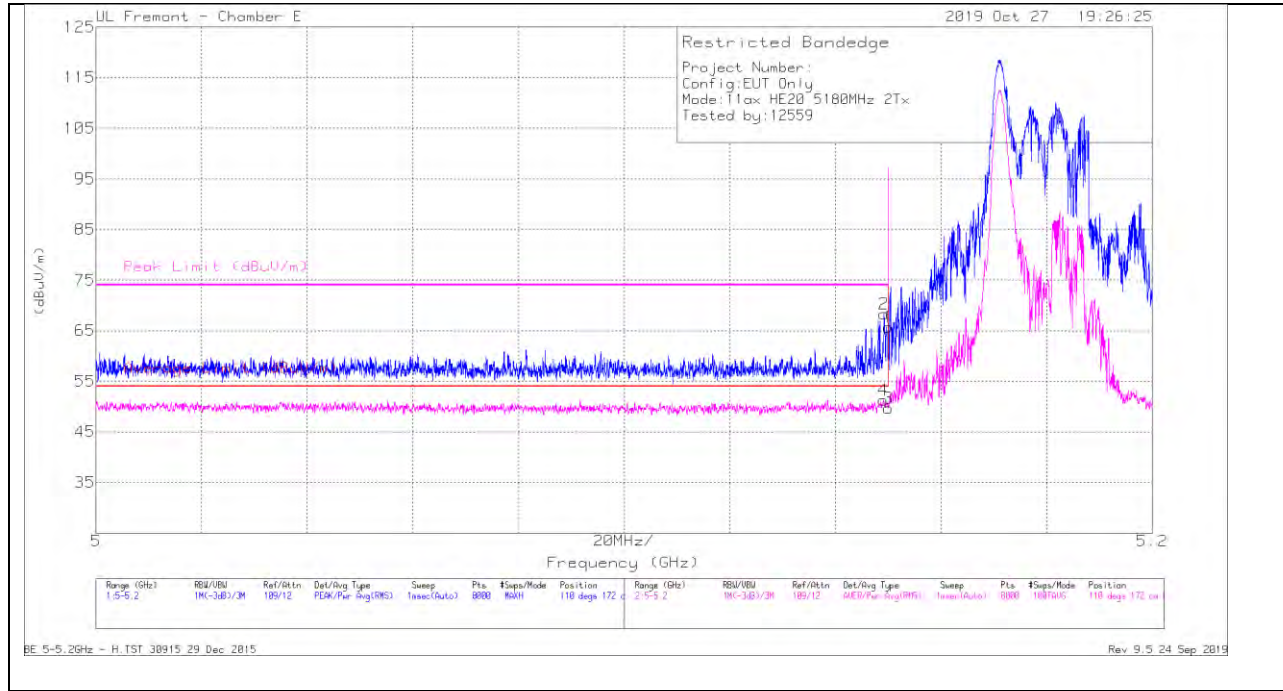
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX LAT3 + UAT2 OFDMA MODE – 26 Tones, RU Index 0

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	47.93	PK	34.3	-16.5	65.73	-	-	74	-8.27	110	172	H
2	* 5.14919	50.47	PK	34.3	-16.5	68.27	-	-	74	-5.73	110	172	H
3	* 5.14999	31.83	RMS	34.3	-16.5	49.63	54	-4.37	-	-	110	172	H
4	* 5.14907	33.48	RMS	34.3	-16.5	51.28	54	-2.72	-	-	110	172	H

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

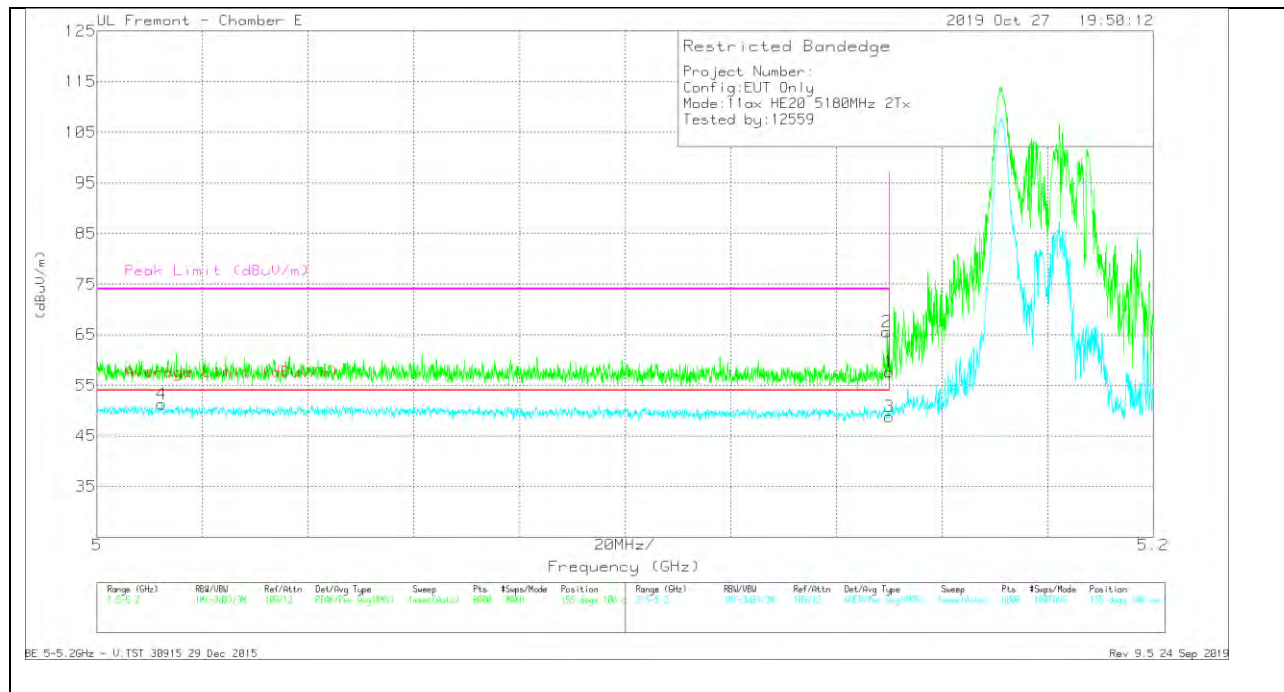
PK - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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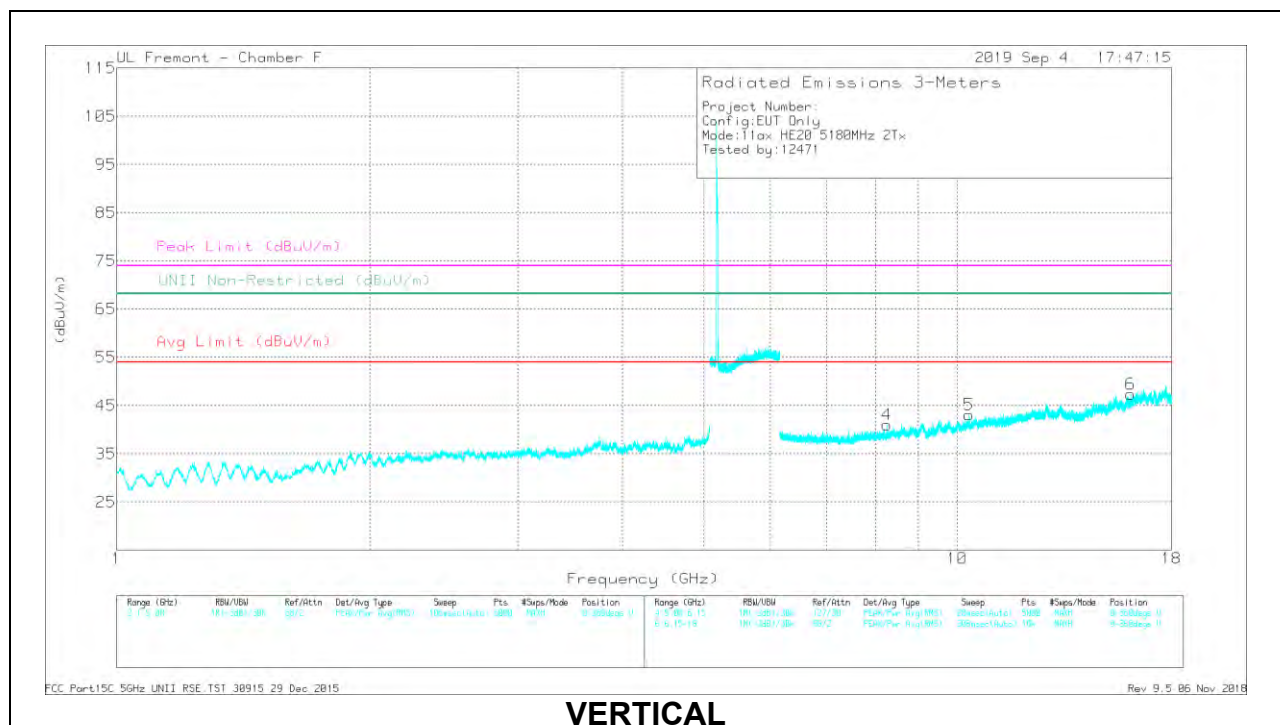
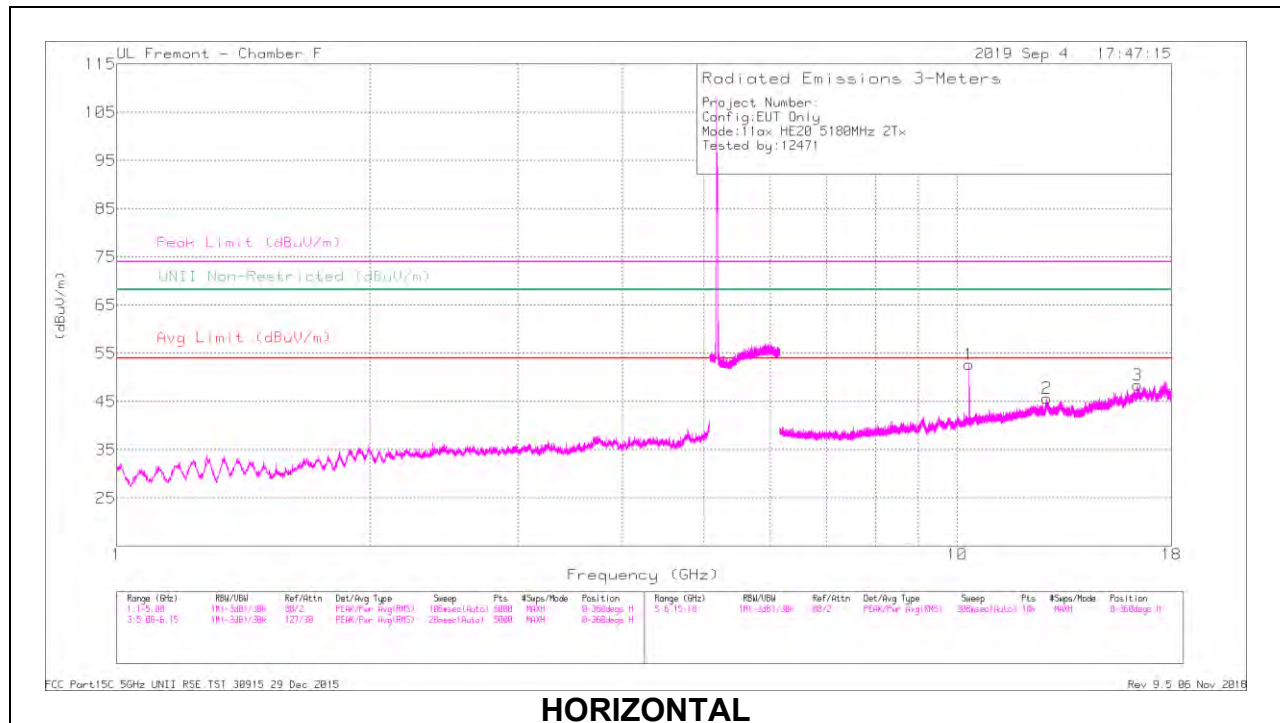
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	39.78	Pk	34.3	-16.5	57.58	-	-	74	-16.42	155	100	V
2	* 5.14959	47.75	Pk	34.3	-16.5	65.55	-	-	74	-8.45	155	100	V
3	* 5.14999	31	RMS	34.3	-16.5	48.8	54	-5.2	-	-	155	100	V
4	* 5.01228	33.12	RMS	34.1	-15.9	51.32	54	-2.68	-	-	155	100	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

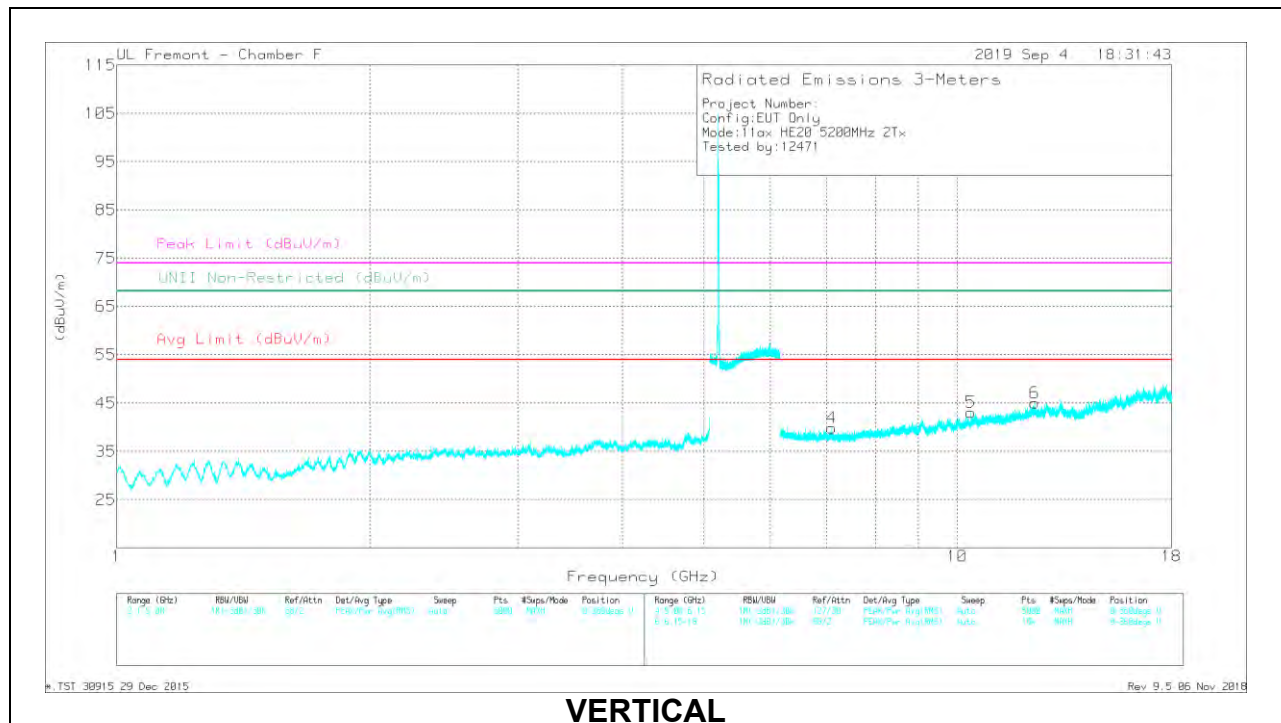
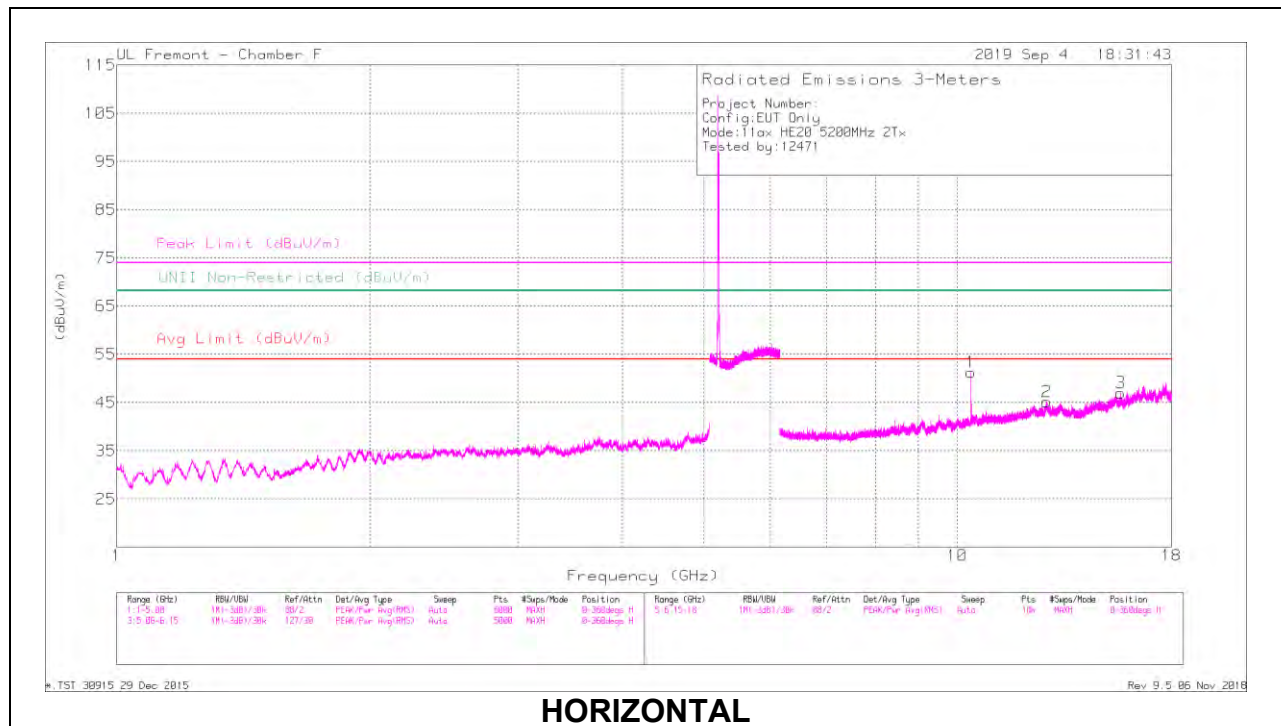
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.343	60.27	PK-U	37.5	-39.2	58.57	-	-	-	-	68.2	-9.63	0	103	H
2	12.787	50.59	PK-U	39.3	-37.9	51.99	-	-	-	-	68.2	-16.21	135	162	H
3	16.4	51.87	PK-U	41.3	-37.5	55.67	-	-	-	-	68.2	-12.53	259	188	H
4	* 8.254	49.72	PK-U	35.9	-39.1	46.52	-	-	74	-27.48	-	-	107	210	V
	* 8.256	38.29	ADR	35.9	-39	35.19	54	-18.81	-	-	-	-	107	210	V
5	10.344	50.97	PK-U	37.5	-39.3	49.17	-	-	-	-	68.2	-19.03	344	264	V
6	* 16.105	52.16	PK-U	40.9	-38.7	54.36	-	-	74	-19.64	-	-	97	166	V
	* 16.105	39.33	ADR	40.9	-38.7	41.53	54	-12.47	-	-	-	-	97	166	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



RADIATED EMISSIONS

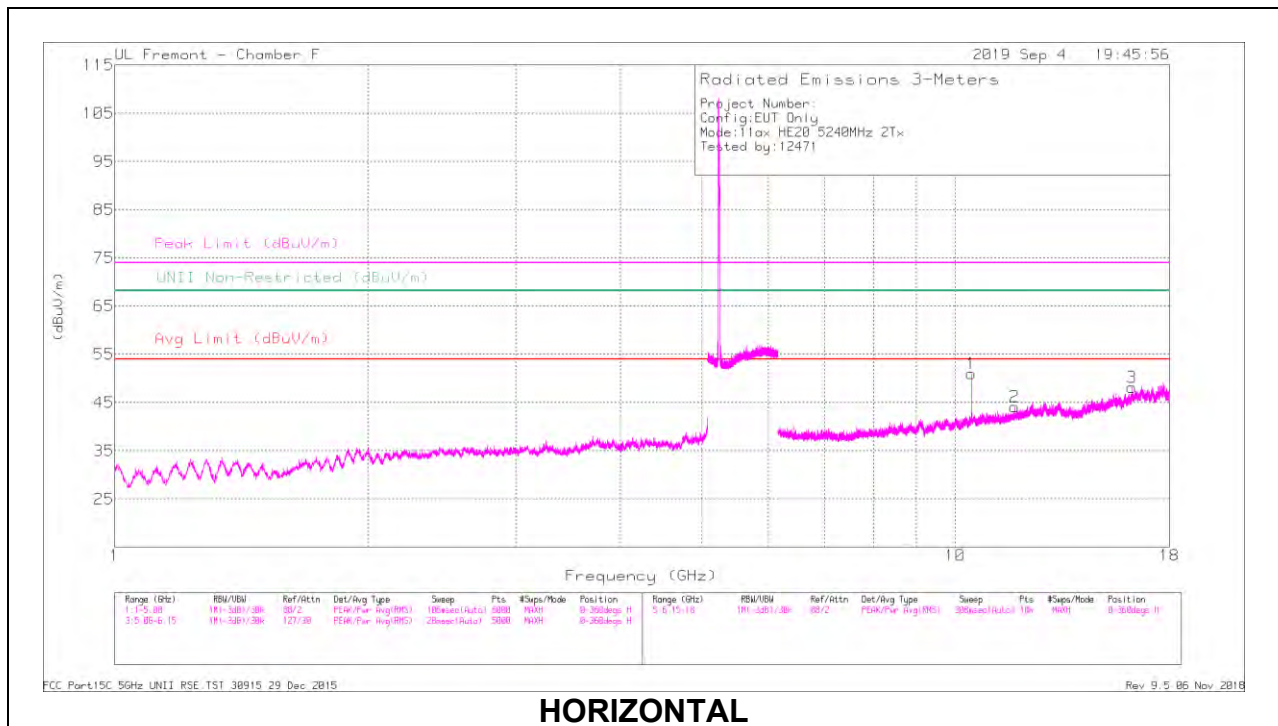
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.382	61.79	PK-U	37.6	-39.3	60.09	-	-	-	-	68.2	-8.11	358	116	H
2	12.795	50.26	PK-U	39.3	-38.1	51.46	-	-	-	-	68.2	-16.74	183	141	H
3	* 15.657	50.94	PK-U	40.2	-38.2	52.94	-	-	74	-21.06	-	-	284	203	H
	* 15.658	39.25	ADR	40.2	-38.1	41.35	54	-12.65	-	-	-	-	284	203	H
4	7.098	51.39	PK-U	35.7	-41.3	45.79	-	-	-	-	68.2	-22.41	86	191	V
5	10.383	54.65	PK-U	37.5	-39.4	52.75	-	-	-	-	68.2	-15.45	314	115	V
6	* 12.367	50.67	PK-U	39.1	-38.9	50.87	-	-	74	-23.13	-	-	97	264	V
	* 12.367	38.98	ADR	39.1	-38.9	39.18	54	-14.82	-	-	-	-	97	264	V

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

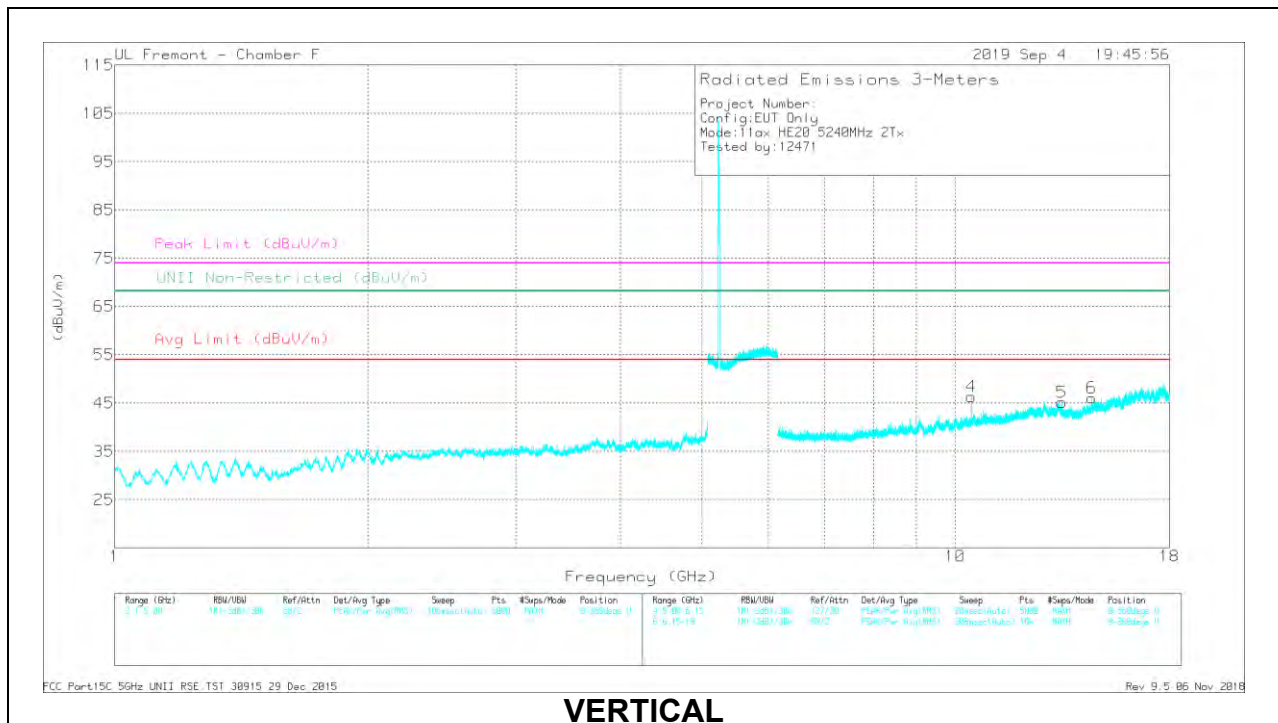
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Amp/Cbl/Filtr/Pad (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	10.462	58.37	PK-U	37.7	-39.3	56.77	-	-	-	-	68.2	-11.43	0	103	H
2	* 11.772	50.05	PK-U	38.5	-38.8	49.75	-	-	74	-24.25	-	-	265	141	H
	* 11.769	38.76	ADR	38.5	-38.9	38.36	54	-15.64	-	-	-	-	265	141	H
3	16.234	50.95	PK-U	41	-37.6	54.35	-	-	-	-	68.2	-13.85	112	289	H
4	10.463	57.36	PK-U	37.7	-39.3	55.76	-	-	-	-	68.2	-12.44	316	103	V
5	13.406	50.35	PK-U	39.2	-39	50.55	-	-	-	-	68.2	-17.65	214	122	V
6	14.54	50.36	PK-U	39.5	-37.6	52.26	-	-	-	-	68.2	-15.94	297	214	V

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

PK-U - U-NII: Maximum Peak

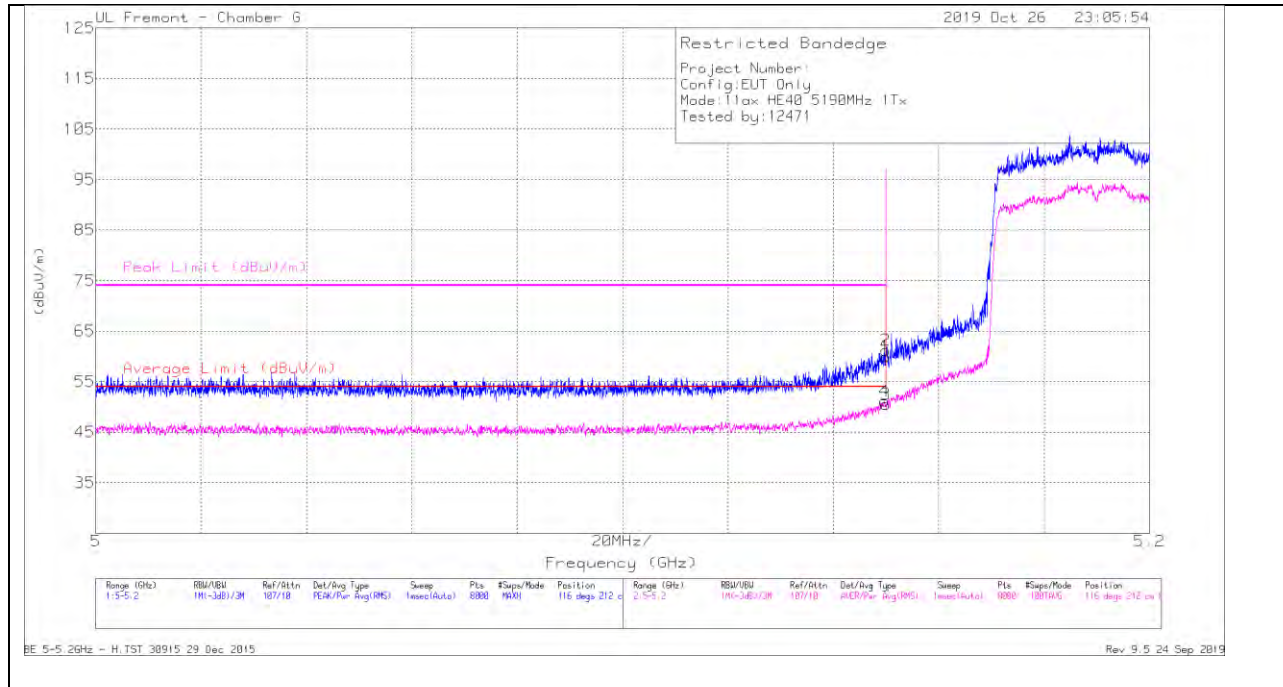
ADR - U-NII AD primary method, RMS average

1.1.5. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.2 GHz BAND

1TX LAT3 – 484 Tones, RU Index 65

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	* 5.14999	46.03	Pk	34.3	-20.3	60.03	-	-	74	-13.97	116	212	H
2	* 5.14997	47.25	Pk	34.3	-20.3	61.25	-	-	74	-12.75	116	212	H
3	* 5.14999	36.53	RMS	34.3	-20.3	50.53	54	-3.47	-	-	116	212	H
4	* 5.14969	37.19	RMS	34.3	-20.3	51.19	54	-2.61	-	-	116	212	H

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

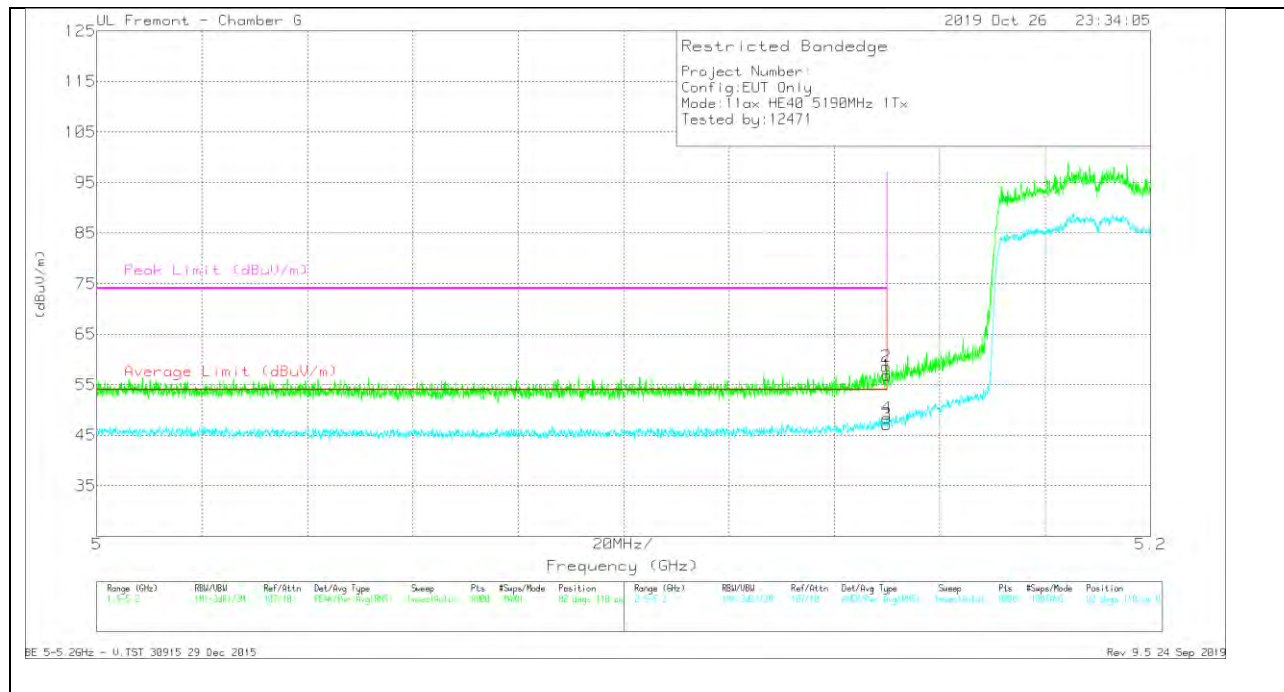
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	42.88	Pk	34.3	-20.3	56.88	-	-	74	-17.12	82	118	V
2	* 5.14984	44.63	Pk	34.3	-20.3	58.63	-	-	74	-15.37	82	118	V
3	* 5.14999	33.13	RMS	34.3	-20.3	47.13	54	-6.87	-	-	82	118	V
4	* 5.14992	34.38	RMS	34.3	-20.3	48.38	54	-5.62	-	-	82	118	V

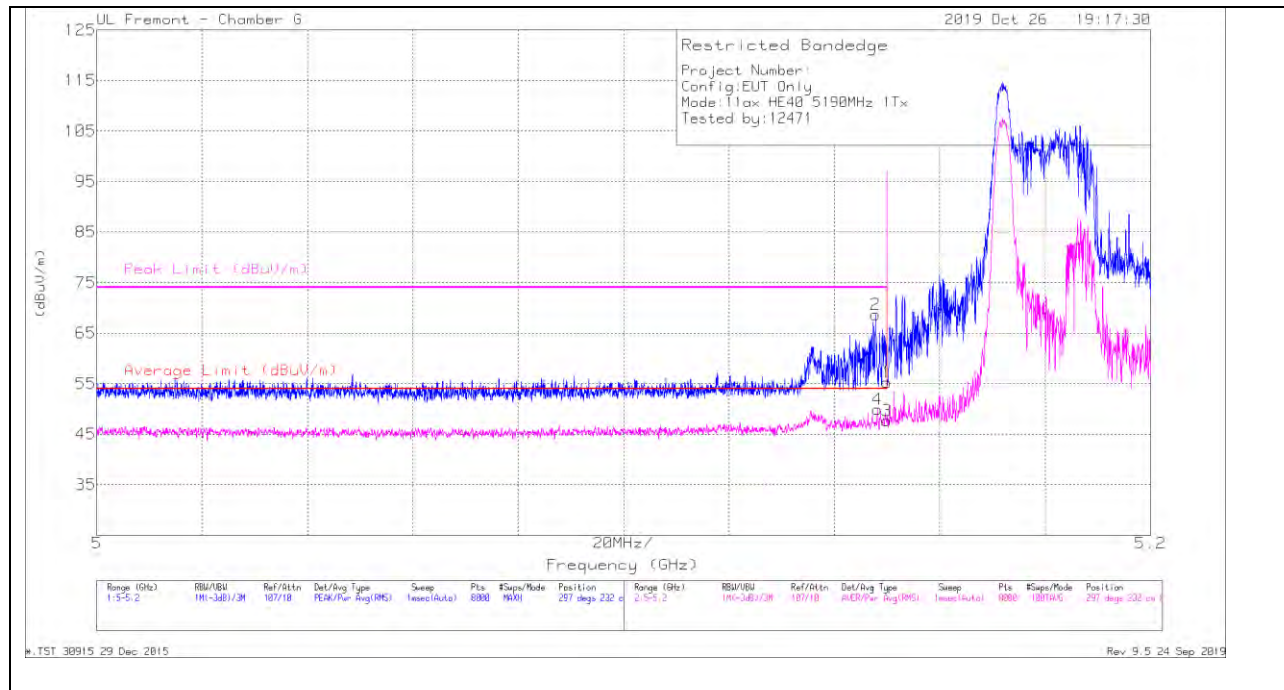
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - V.TST 30915 29 Dec 2015

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1TX LAT3 – 26 Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	41.23	Pk	34.3	-20.3	55.23	-	-	74	-18.77	297	232	H
2	* 5.14782	54.72	Pk	34.3	-20.3	68.72	-	-	74	-5.28	297	232	H
3	* 5.14999	33.66	RMS	34.3	-20.3	47.66	54	-6.34	-	-	297	232	H
4	* 5.14817	35.87	RMS	34.3	-20.3	49.87	54	-4.13	-	-	297	232	H

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

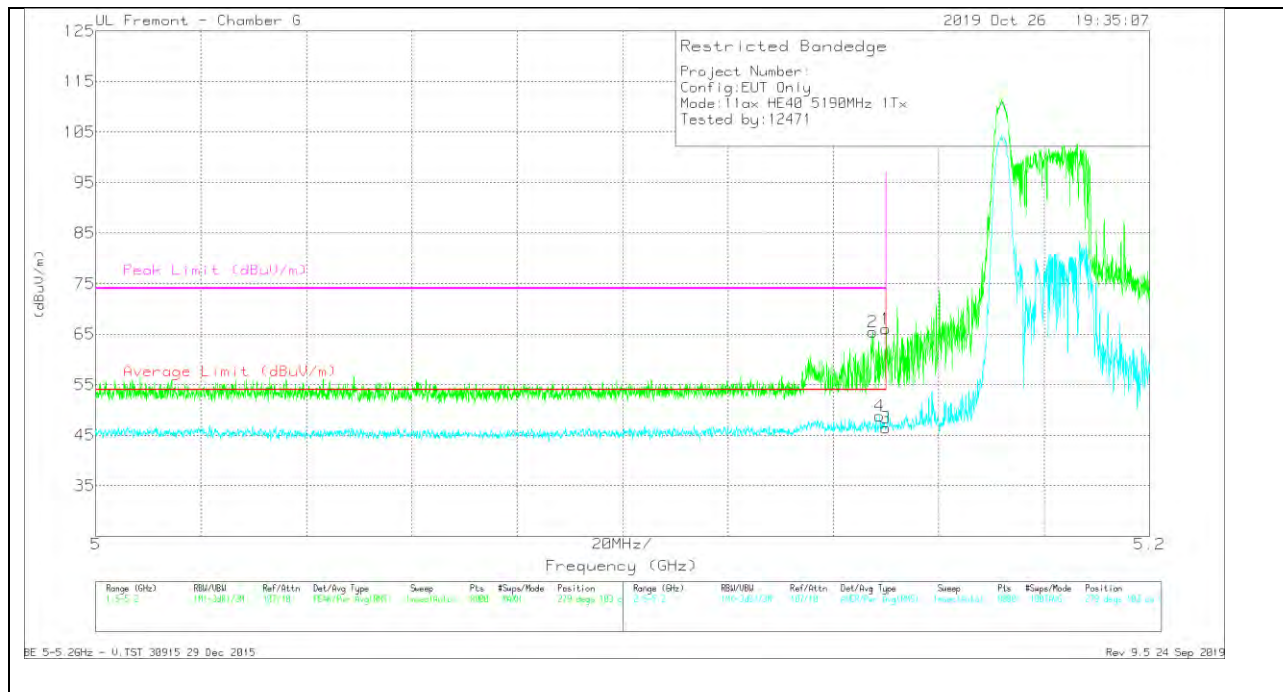
Pk - Peak detector

RMS - RMS detection

*.TST 30915 29 Dec 2015

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	52.1	Pk	34.3	-20.3	66.1	-	-	74	-7.9	279	103	V
2	* 5.14749	51.48	Pk	34.3	-20.3	65.48	-	-	74	-8.52	279	103	V
3	* 5.14999	32.48	RMS	34.3	-20.3	46.48	54	-7.52	-	-	279	103	V
4	* 5.14877	34.82	RMS	34.3	-20.3	48.82	54	-5.18	-	-	279	103	V

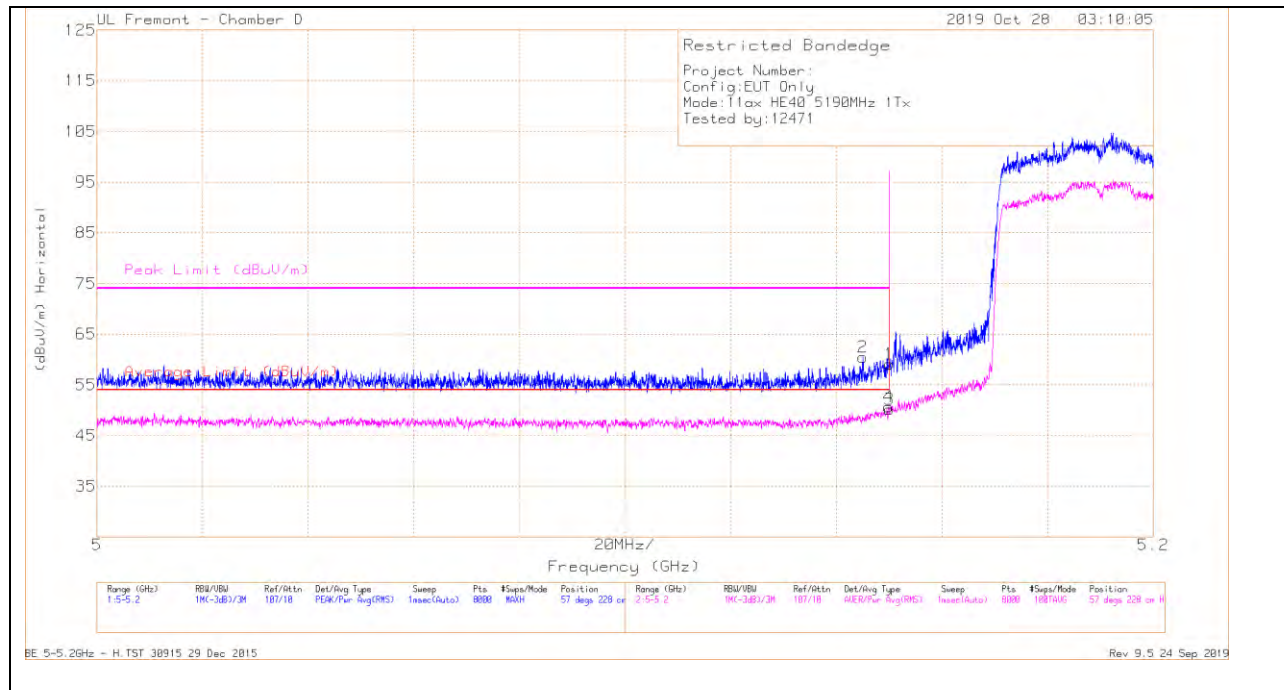
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - V.TST 30915 29 Dec 2015

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BANDEDGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.14499	44.62	Pk	34.1	-18.2	60.52	-	-	74	-13.48	57	228	H
4	* 5.14992	34.71	RMS	34.1	-18.2	50.61	54	-3.39	-	-	57	228	H
1	* 5.14999	43.17	Pk	34.1	-18.2	59.07	-	-	74	-14.93	57	228	H
3	* 5.14999	34.3	RMS	34.1	-18.2	50.2	54	-3.8	-	-	57	228	H

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

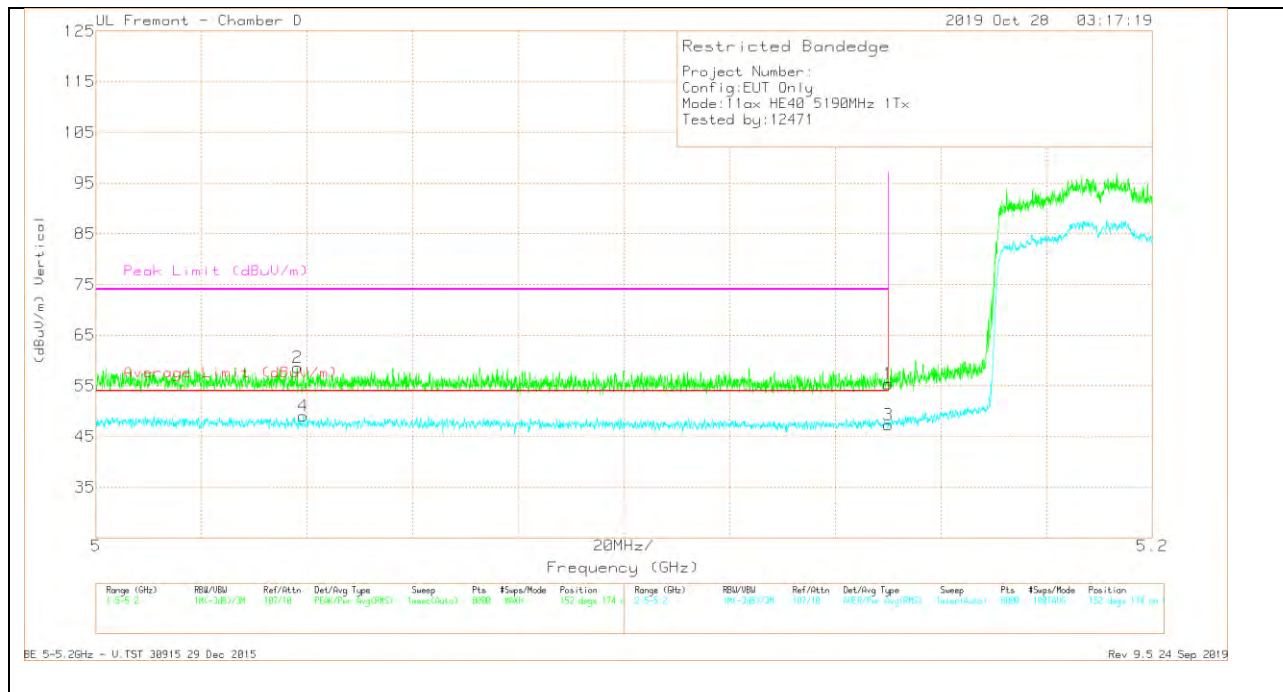
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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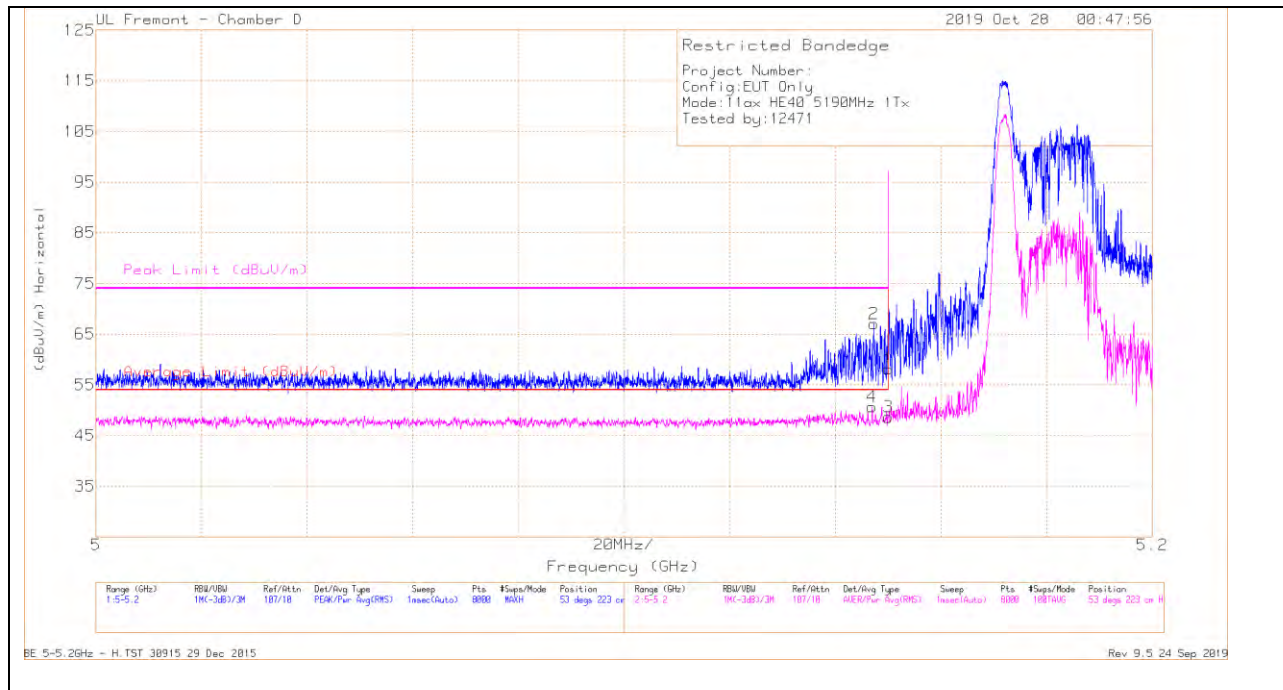
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.03813	42.83	Pk	34	-18.2	58.63	-	-	74	-15.37	152	174	V
4	* 5.0393	33.24	RMS	34	-18.2	49.04	54	-4.96	-	-	152	174	V
1	* 5.14999	39.48	Pk	34.1	-18.2	55.38	-	-	74	-18.62	152	174	V
3	* 5.14999	31.42	RMS	34.1	-18.2	47.32	54	-6.68	-	-	152	174	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
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BANDEDGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	42.16	Pk	34.1	-18.2	58.06	-	-	74	-15.94	53	223	H
2	* 5.14724	51.18	Pk	34.1	-18.2	67.08	-	-	74	-6.92	53	223	H
3	* 5.14999	32.72	RMS	34.1	-18.2	48.62	54	-5.38	-	-	53	223	H
4	* 5.14694	34.79	RMS	34.1	-18.2	50.69	54	-3.31	-	-	53	223	H

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

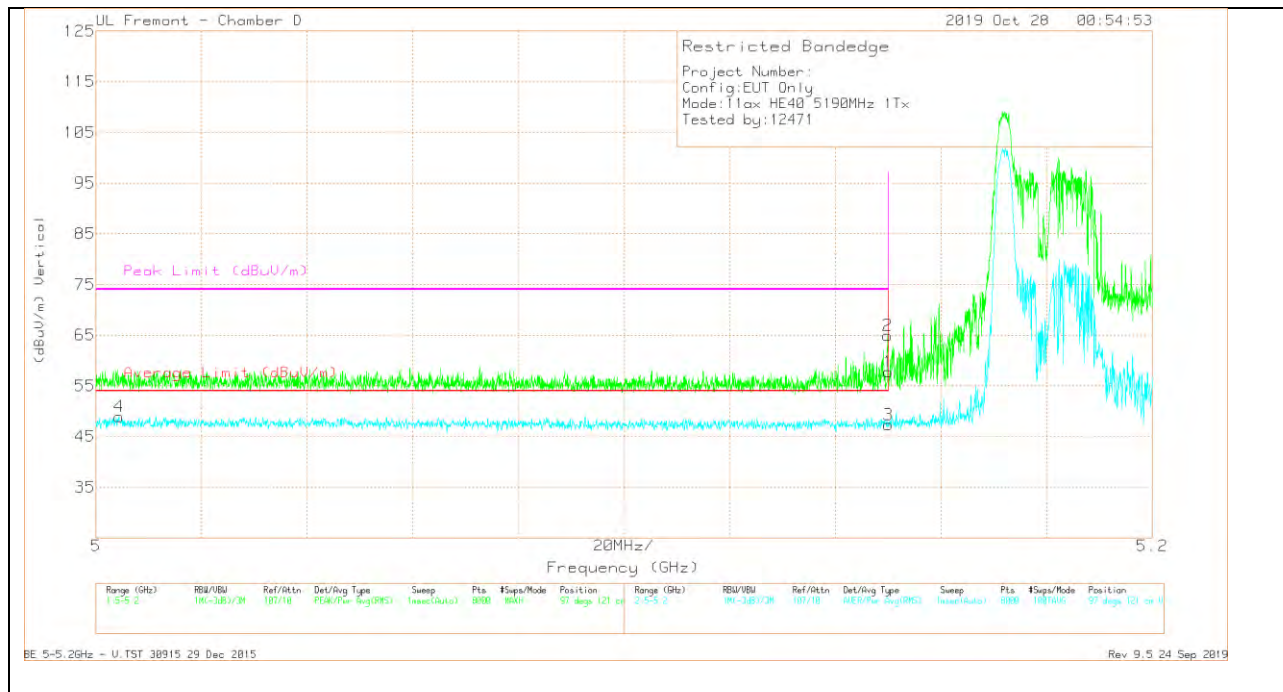
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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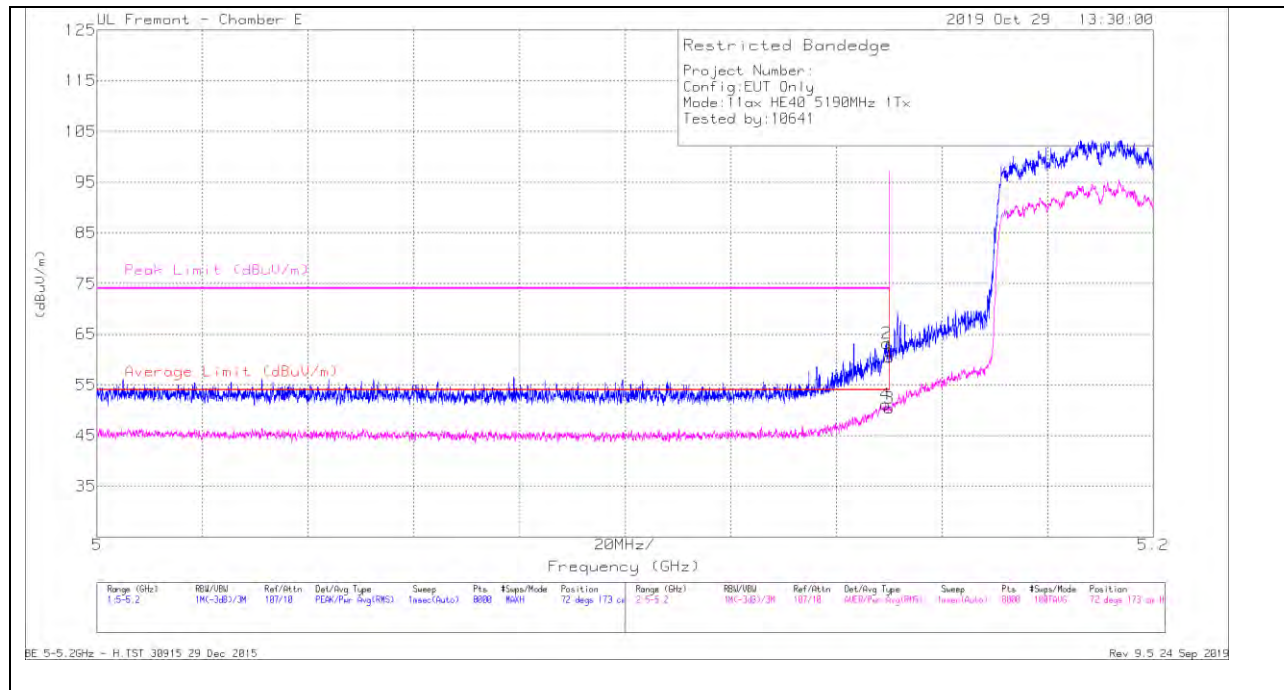
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.00435	32.91	RMS	34	-18	48.91	54	-5.09	-	-	97	121	V
2	* 5.14992	49.03	Pk	34.1	-18.2	64.93	-	-	74	-9.07	97	121	V
1	* 5.14999	41.86	Pk	34.1	-18.2	57.76	-	-	74	-16.24	97	121	V
3	* 5.14999	31.43	RMS	34.1	-18.2	47.33	54	-6.67	-	-	97	121	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
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BANDEDGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	48.11	Pk	34.3	-21.9	60.51	-	-	74	-13.49	72	173	H
2	* 5.14949	50.83	Pk	34.3	-21.9	63.23	-	-	74	-10.77	72	173	H
3	* 5.14999	38	RMS	34.3	-21.9	50.4	54	-3.6	-	-	72	173	H
4	* 5.14932	38.78	RMS	34.3	-21.9	51.18	54	-2.82	-	-	72	173	H

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

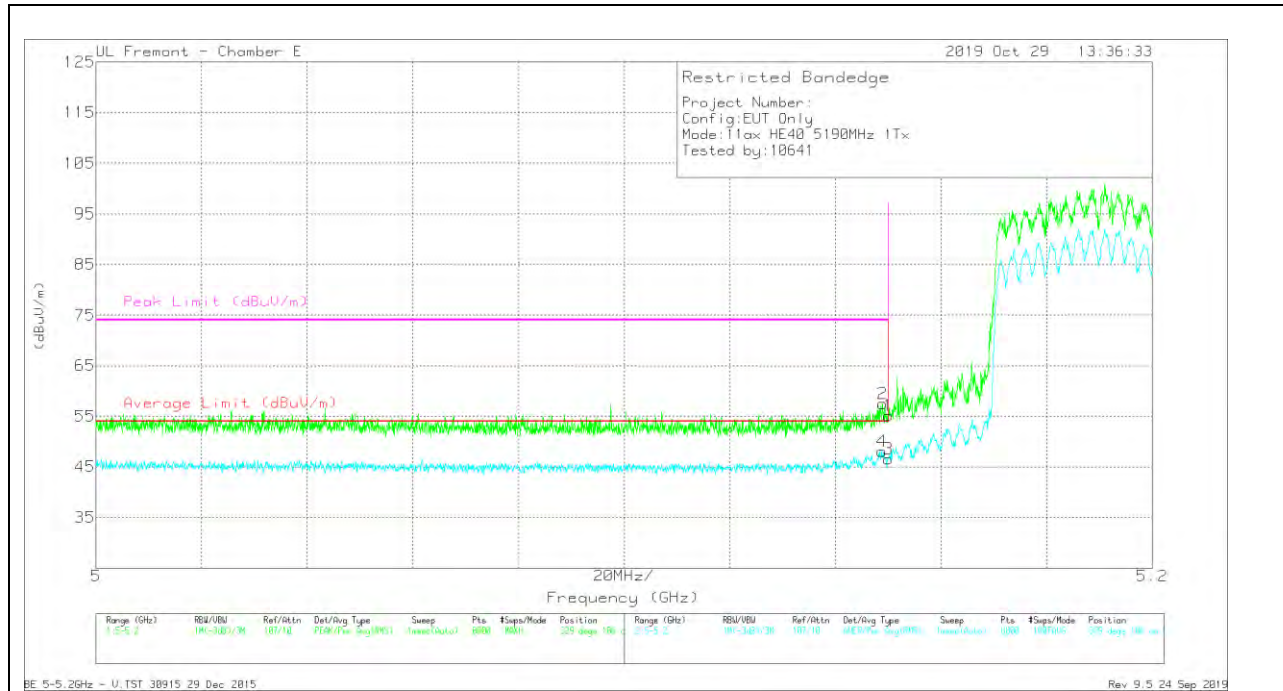
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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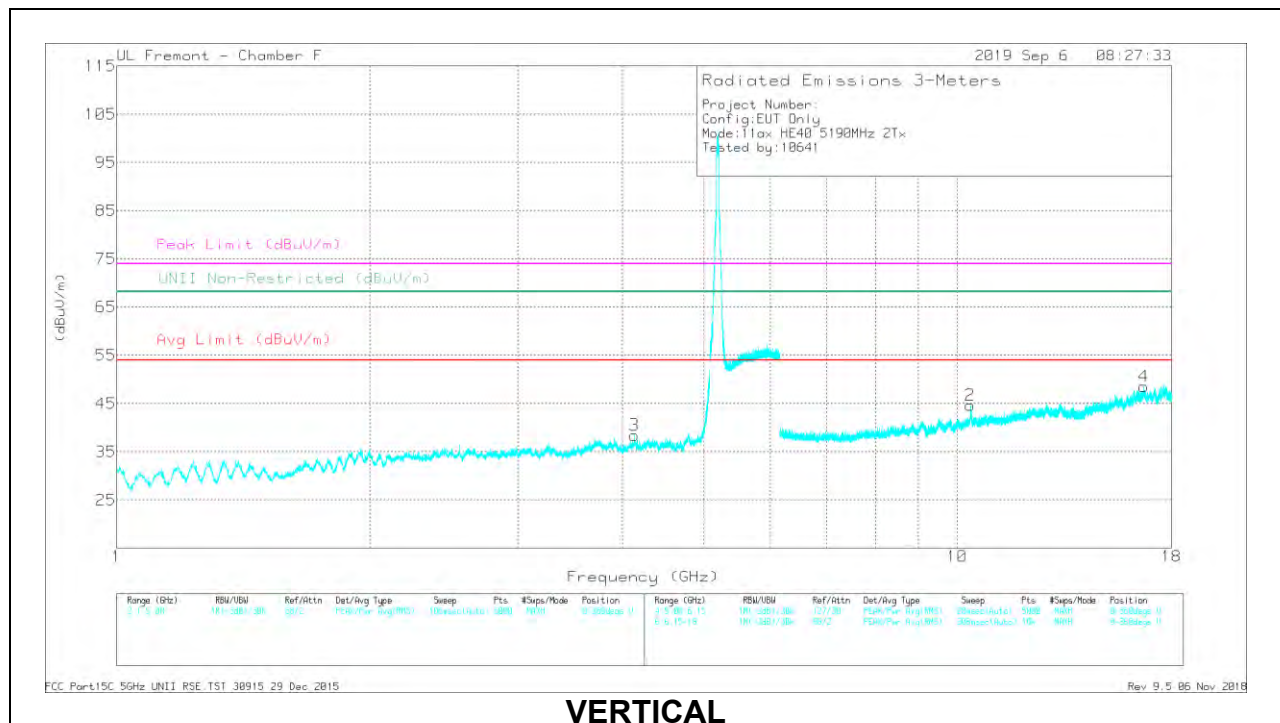
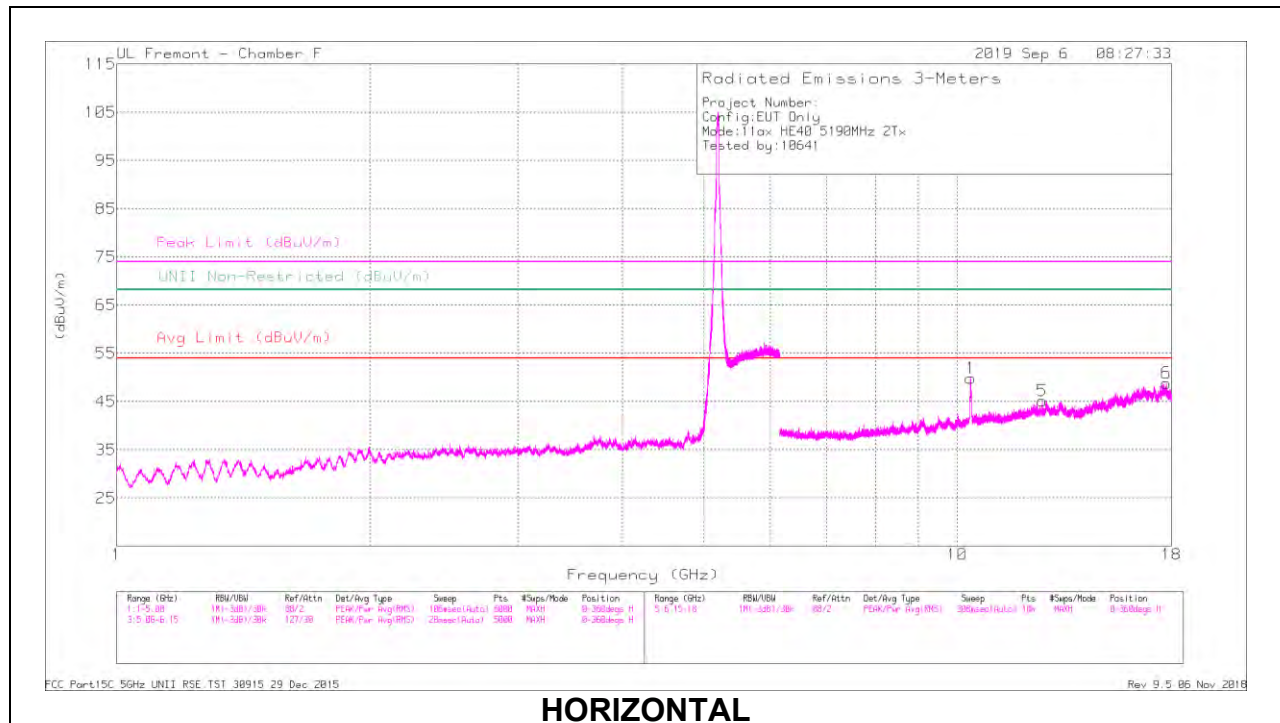
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	42.7	Pk	34.3	-21.9	55.1	-	-	74	-18.9	329	186	V
2	* 5.14889	45.11	Pk	34.3	-21.9	57.51	-	-	74	-16.49	329	186	V
3	* 5.14999	34.2	RMS	34.3	-21.9	46.6	54	-7.4	-	-	329	186	V
4	* 5.14877	35.71	RMS	34.3	-21.9	48.11	54	-5.89	-	-	329	186	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
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HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

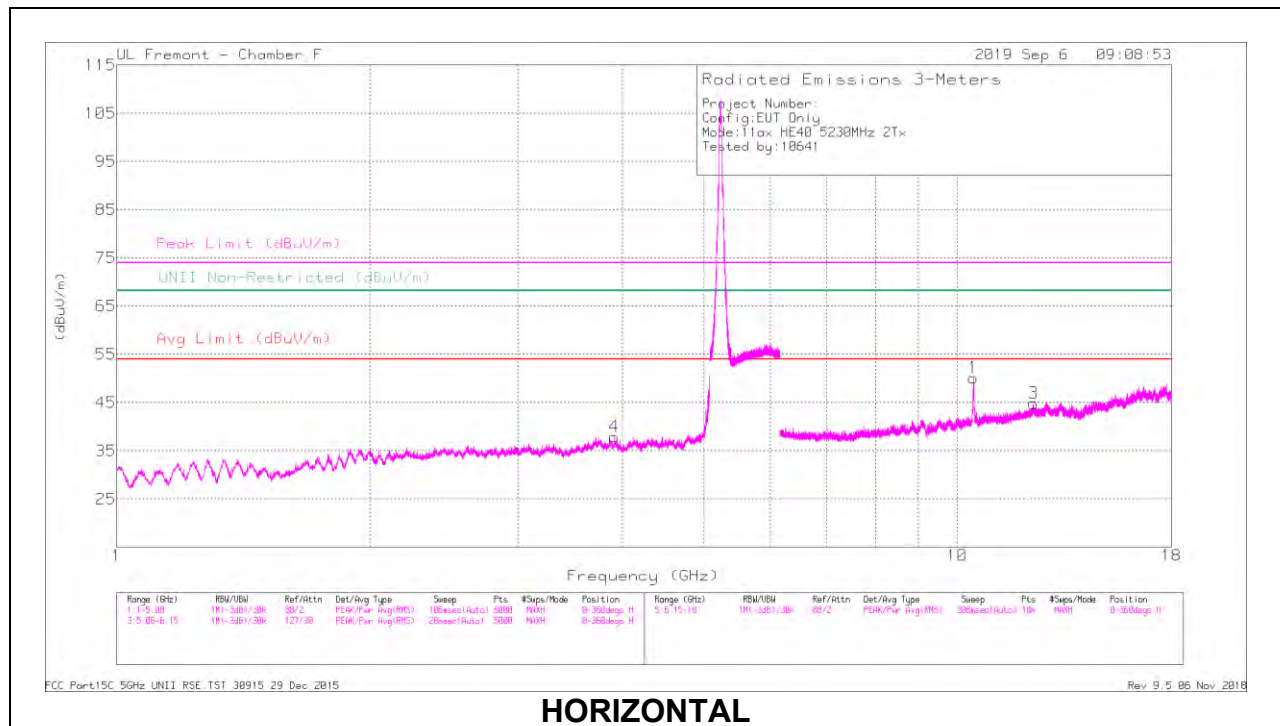
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.13	54.39	PK-U	33.7	-44	44.09	-	-	74	-29.91	-	-	102	192	V
	* 4.13	43.25	ADR	33.7	-44	32.95	54	-21.05	-	-	-	-	102	192	V
1	10.381	58.27	PK-U	37.5	-39.3	56.47	-	-	-	-	68.2	-11.73	256	138	H
5	* 12.625	50.17	PK-U	39.1	-39	50.27	-	-	74	-23.73	-	-	129	210	H
	* 12.625	39.47	ADR	39.1	-39	39.57	54	-14.43	-	-	-	-	129	210	H
6	* 17.741	51.09	PK-U	41.6	-36.7	55.99	-	-	74	-18.01	-	-	121	224	H
	* 17.739	39.98	ADR	41.5	-36.7	44.78	54	-9.22	-	-	-	-	121	224	H
2	10.371	52.22	PK-U	37.5	-39.5	50.22	-	-	-	-	68.2	-17.98	41	145	V
4	16.688	50.11	PK-U	41.8	-37	54.91	-	-	-	-	68.2	-13.29	75	167	V

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

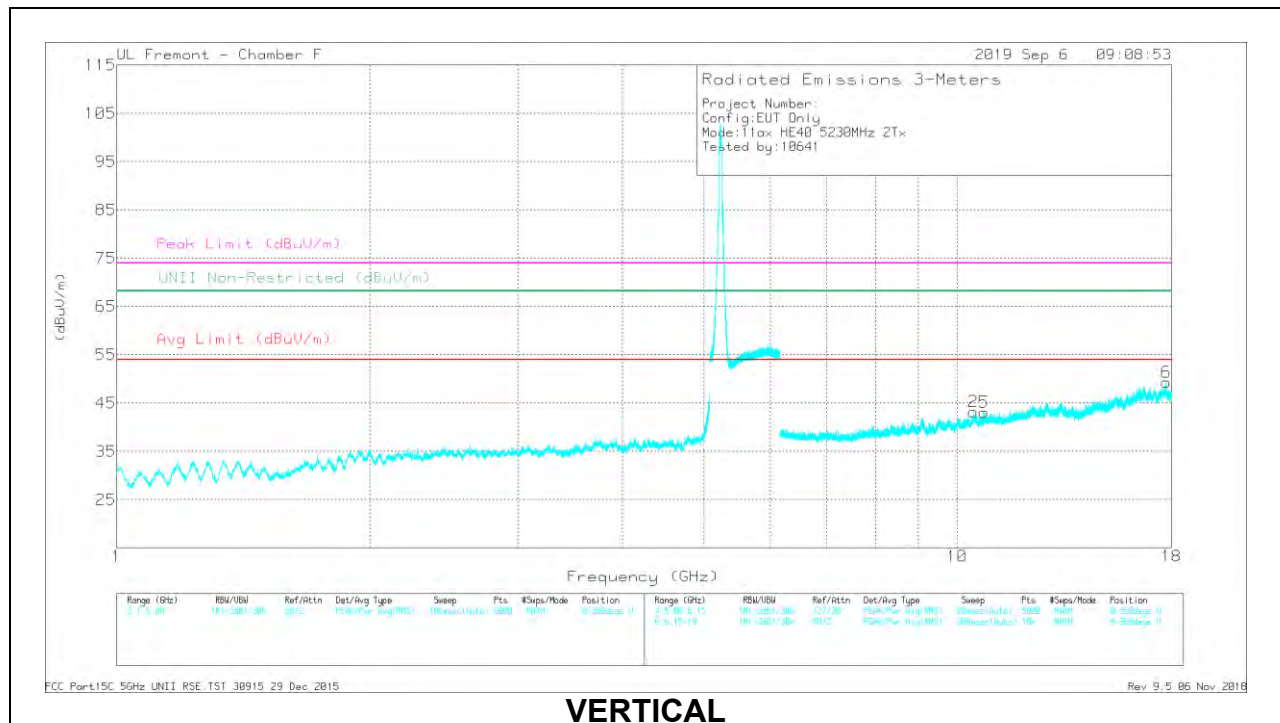
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

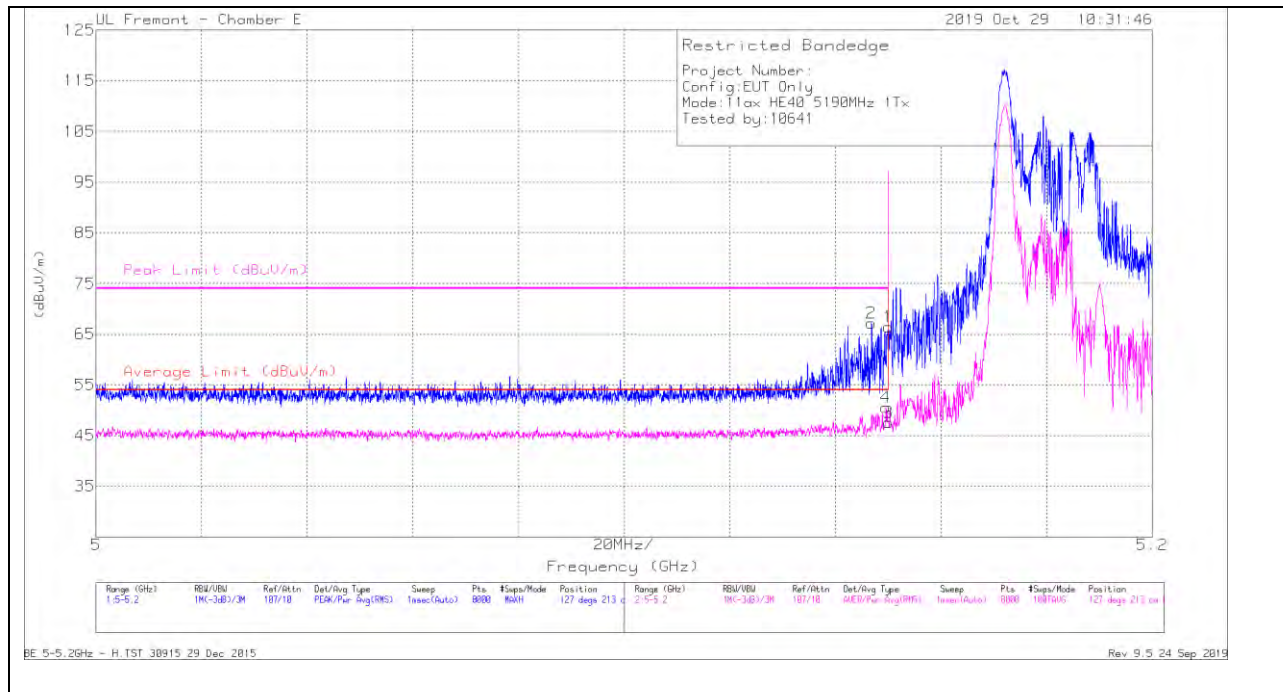
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pa d (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	* 3.912	55.18	PK-U	33.7	-43.5	45.38	-	-	74	-28.62	-	-	162	239	H
	* 3.914	43.21	ADR	33.7	-43.5	33.41	54	-20.59	-	-	-	-	162	239	H
1	10.47	56.54	PK-U	37.6	-39.2	54.94	-	-	-	-	68.2	-13.26	92	100	H
3	* 12.328	50.52	PK-U	39.1	-38.5	51.12	-	-	74	-22.88	-	-	152	224	H
	* 12.33	39.51	ADR	39.1	-38.6	40.01	54	-13.99	-	-	-	-	152	224	H
2	10.458	51.3	PK-U	37.7	-39.4	49.6	-	-	-	-	68.2	-18.6	133	176	V
5	* 10.772	50.06	PK-U	38	-38.7	49.36	-	-	74	-24.64	-	-	104	191	V
	* 10.769	38.8	ADR	38	-38.6	38.2	54	-15.8	-	-	-	-	104	191	V
6	* 17.738	51.33	PK-U	41.5	-36.7	56.13	-	-	74	-17.87	-	-	134	207	V
	* 17.739	39.9	ADR	41.5	-36.7	44.7	54	-9.3	-	-	-	-	134	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

BANDEDGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	54.05	Pk	34.3	-21.9	66.45	-	-	74	-7.55	127	213	H
2	* 5.14684	54.73	Pk	34.3	-21.9	67.13	-	-	74	-6.87	127	213	H
3	* 5.14999	35.11	RMS	34.3	-21.9	47.51	54	-6.49	-	-	127	213	H
4	* 5.14959	38.13	RMS	34.3	-21.9	50.53	54	-3.47	-	-	127	213	H

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

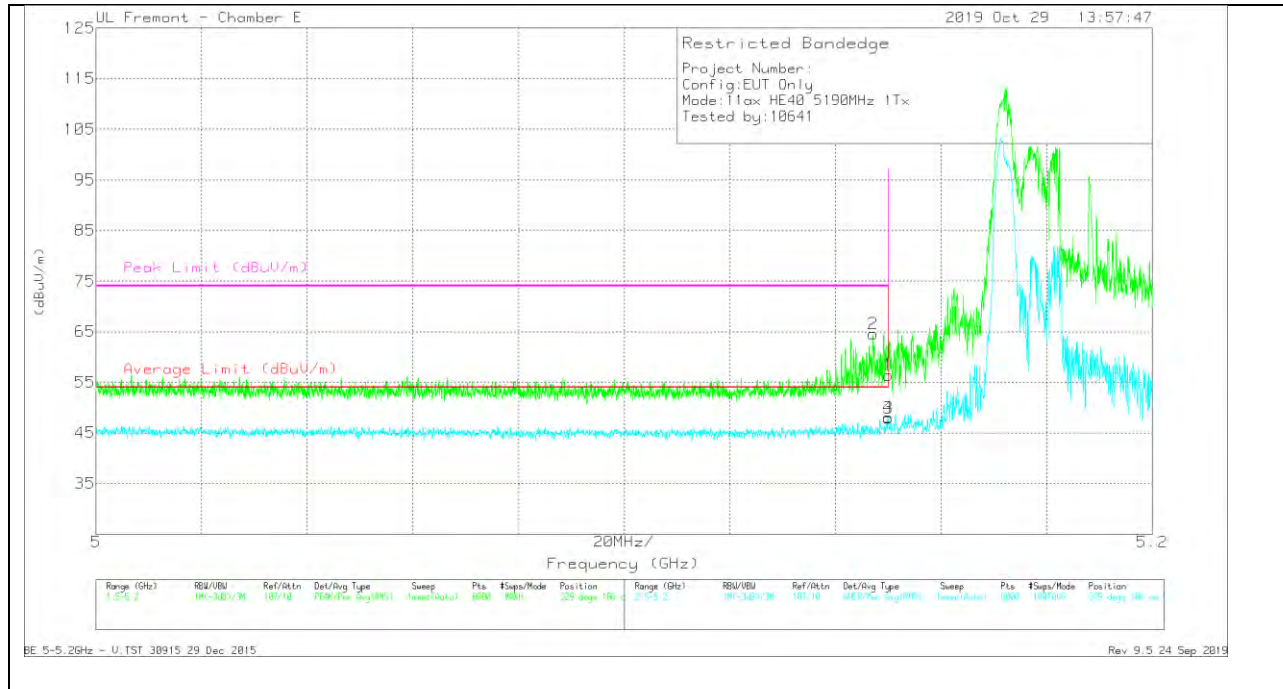
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

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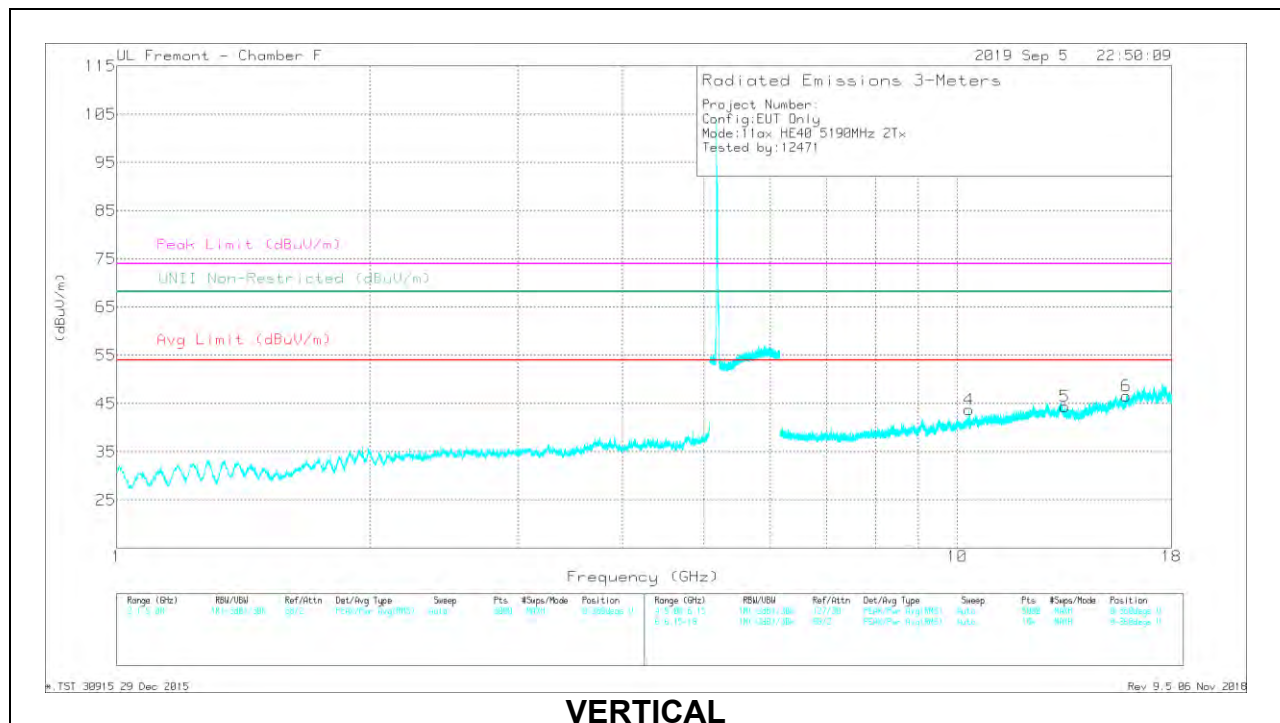
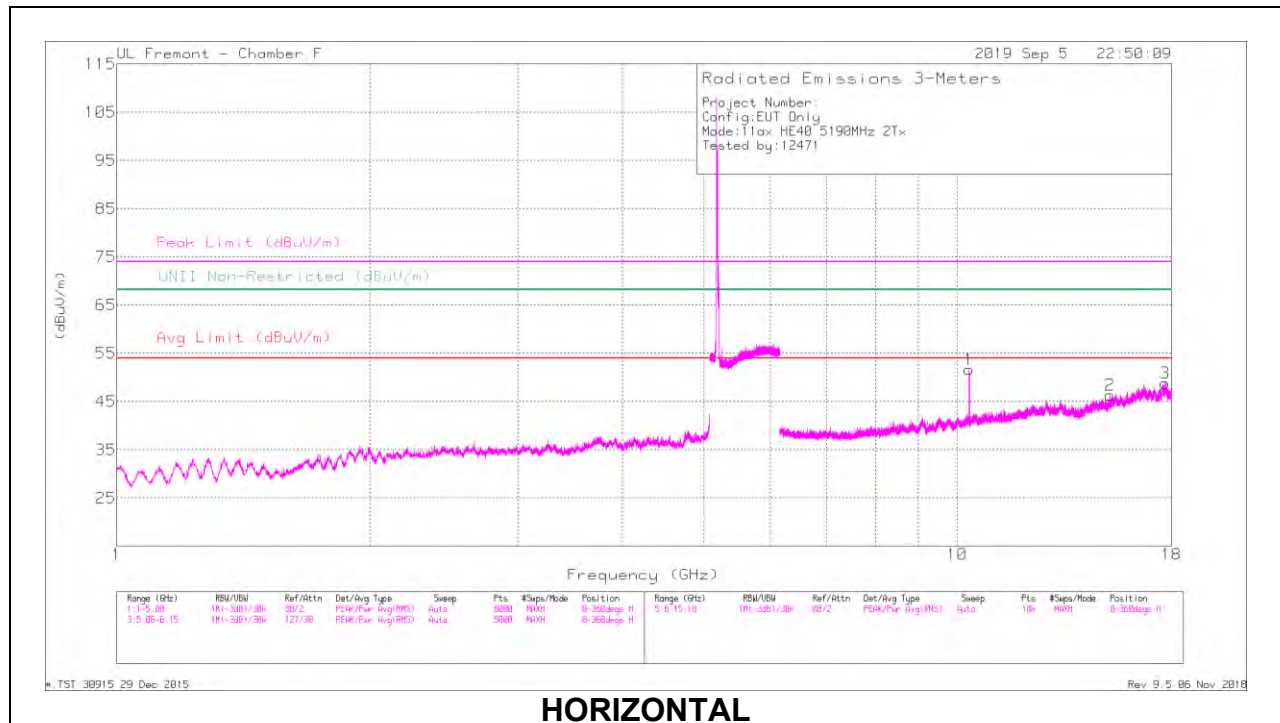
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	43.94	Pk	34.3	-21.9	56.34	-	-	74	-17.66	329	186	V
2	* 5.14712	52.13	Pk	34.3	-21.9	64.53	-	-	74	-9.47	329	186	V
3	* 5.14999	35.52	RMS	34.3	-21.9	47.92	54	-6.08	-	-	329	186	V
4	* 5.14997	35.7	RMS	34.3	-21.9	48.1	54	-5.9	-	-	329	186	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

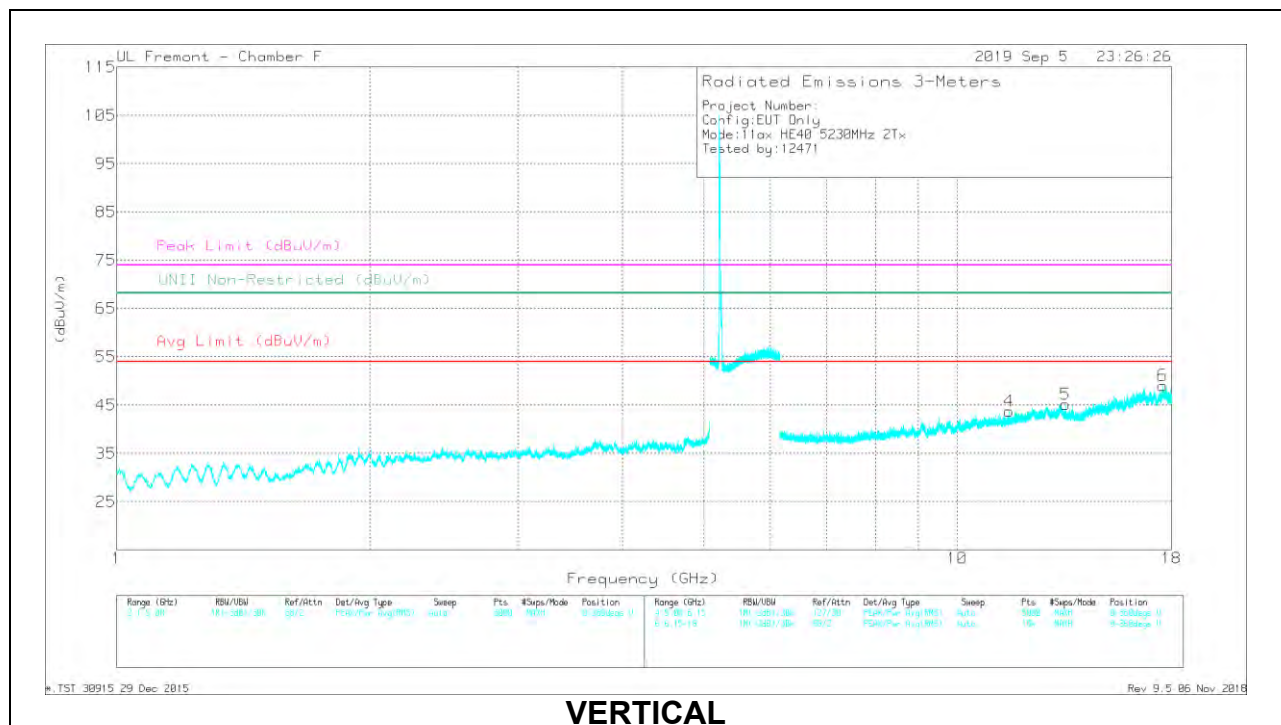
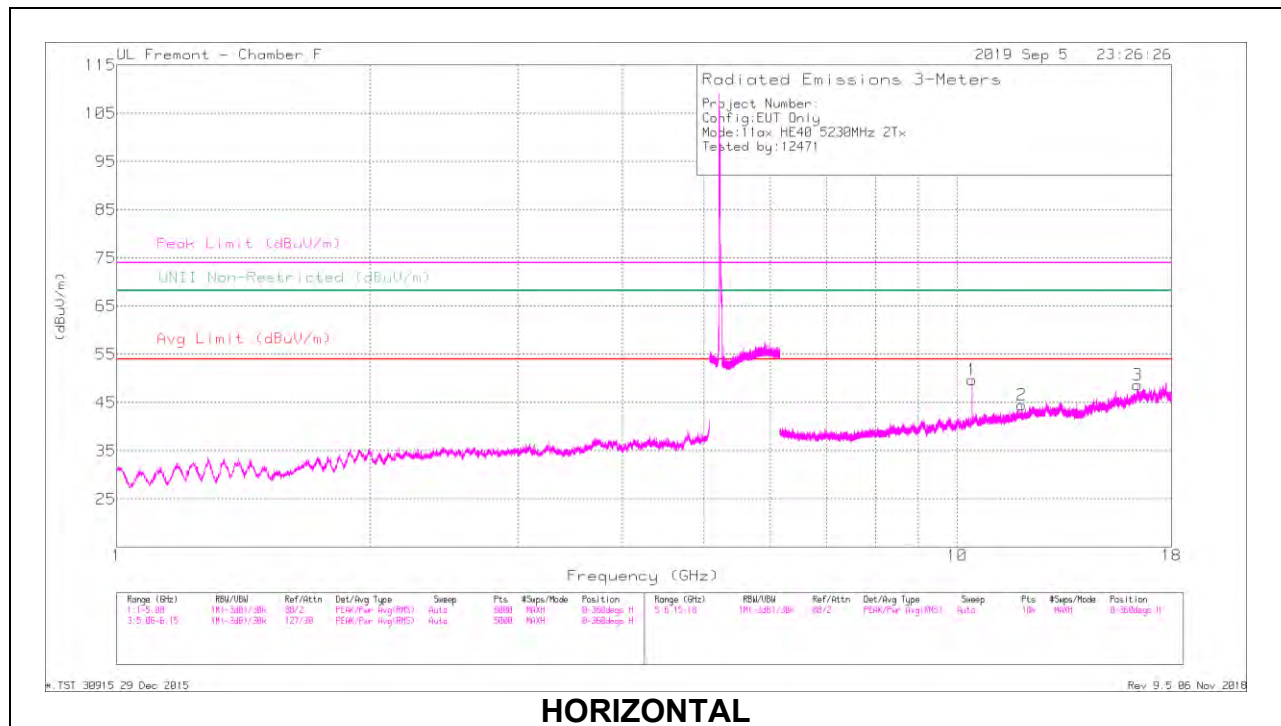
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.345	60.36	PK-U	37.5	-39.3	58.56	-	-	-	-	68.2	-9.64	0	106	H
2	15.22	50.03	PK-U	40	-38.1	51.93	-	-	-	-	68.2	-16.27	147	298	H
3	17.682	50.21	PK-U	41.5	-37	54.71	-	-	-	-	68.2	-13.49	306	174	H
4	10.344	55.01	PK-U	37.5	-39.3	53.21	-	-	-	-	68.2	-14.99	284	133	V
5	13.443	50.42	PK-U	39.1	-39	50.52	-	-	-	-	68.2	-17.68	56	161	V
6	* 15.905	49.7	PK-U	40.5	-38.1	52.1	-	-	74	-21.9	-	-	324	202	V
	* 15.904	38.44	ADR	40.5	-38.1	40.84	54	-13.16	-	-	-	-	324	202	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



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Amp/Cbl/Fitr/Pad (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	10.425	59.96	PK-U	37.6	-39.4	58.16	-	-	-	-	68.2	-10.04	0	117	H
2	* 11.948	50.38	PK-U	38.7	-39.2	49.88	-	-	74	-24.12	-	-	351	369	H
	* 11.945	38.54	ADR	38.7	-39.2	38.04	54	-15.96	-	-	-	-	351	369	H
3	16.395	51.04	PK-U	41.3	-37.5	54.84	-	-	-	-	68.2	-13.36	257	222	H
4	* 11.527	49.94	PK-U	38.2	-38.7	49.44	-	-	74	-24.56	-	-	353	321	V
	* 11.529	38.46	ADR	38.2	-38.8	37.86	54	-16.14	-	-	-	-	353	321	V
5	13.465	51.01	PK-U	39	-38.9	51.11	-	-	-	-	68.2	-17.09	83	275	V
6	17.557	50.27	PK-U	41.6	-36.7	55.17	-	-	-	-	68.2	-13.03	73	291	V

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

PK-U - U-NII: Maximum Peak

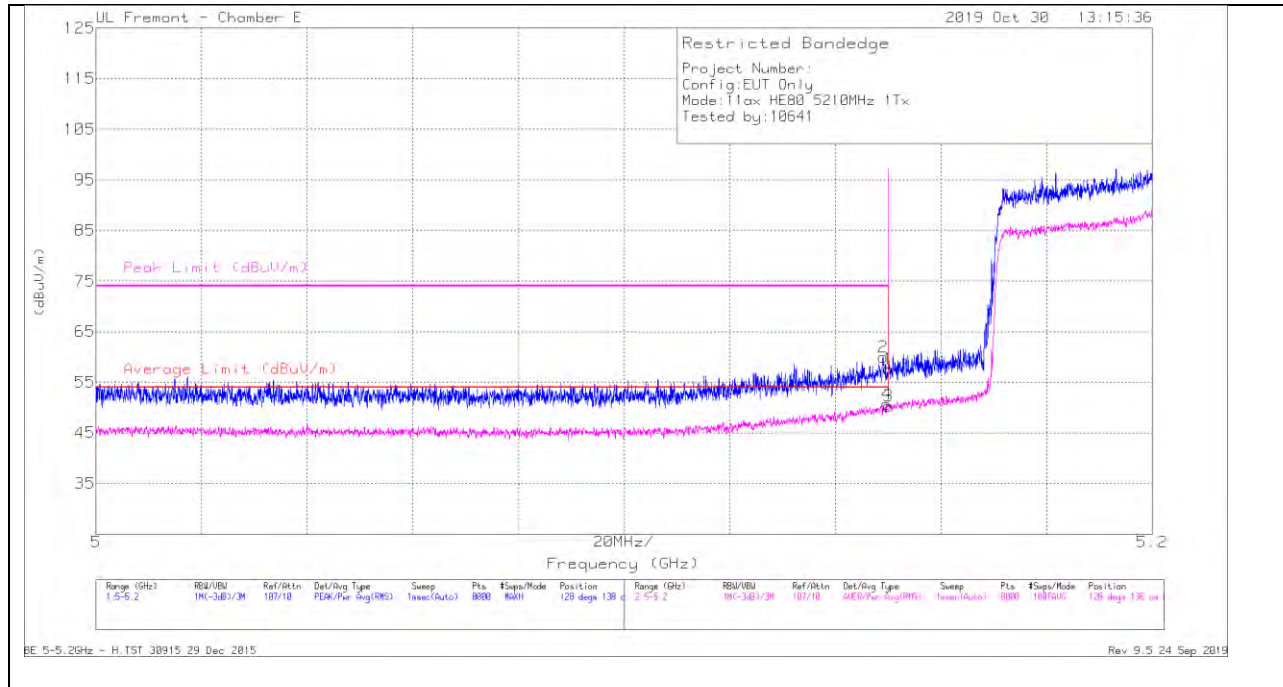
ADR - U-NII AD primary method, RMS average

1.1.6. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.2 GHz BAND

1TX LAT3 – 996 Tones, RU Index 67

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	45.18	Pk	34.3	-21.9	57.58	-	-	74	-16.42	128	138	H
2	* 5.14902	47.62	Pk	34.3	-21.9	60.02	-	-	74	-13.98	128	138	H
3	* 5.14999	37.86	RMS	34.3	-21.9	50.26	54	-3.74	-	-	128	138	H
4	* 5.14974	38.3	RMS	34.3	-21.9	50.7	54	-3.3	-	-	128	138	H

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

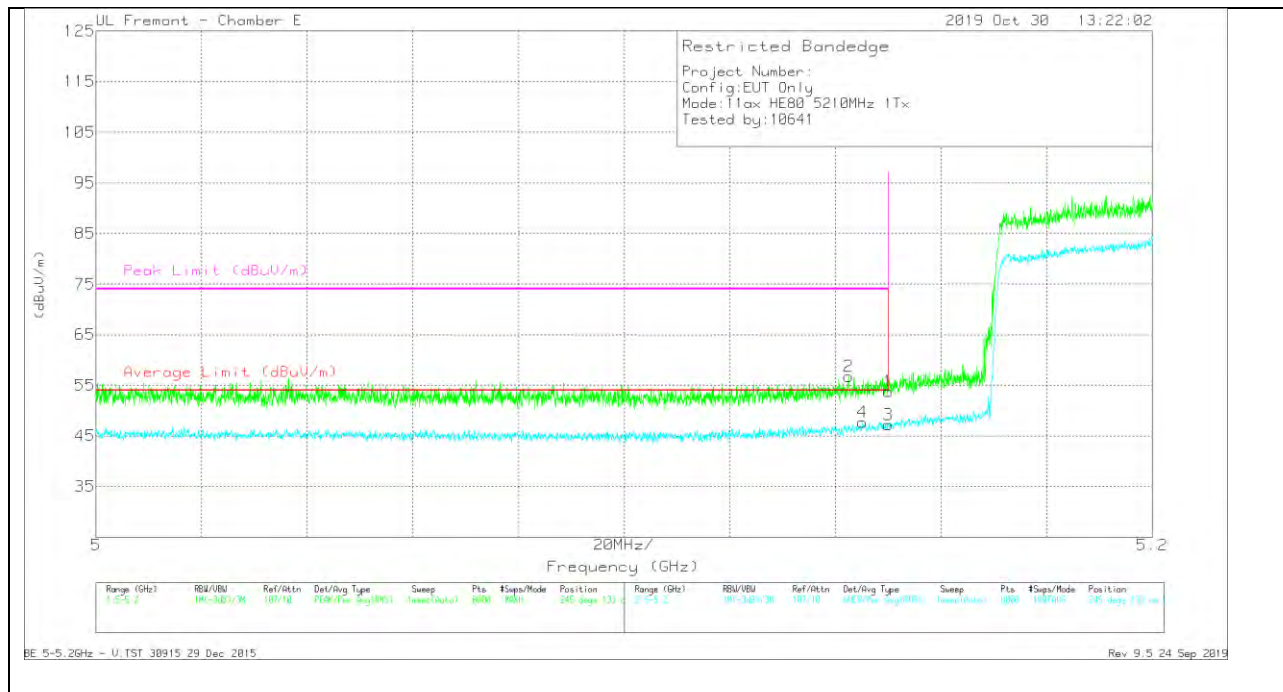
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

Rev 9.5 24 Sep 2019

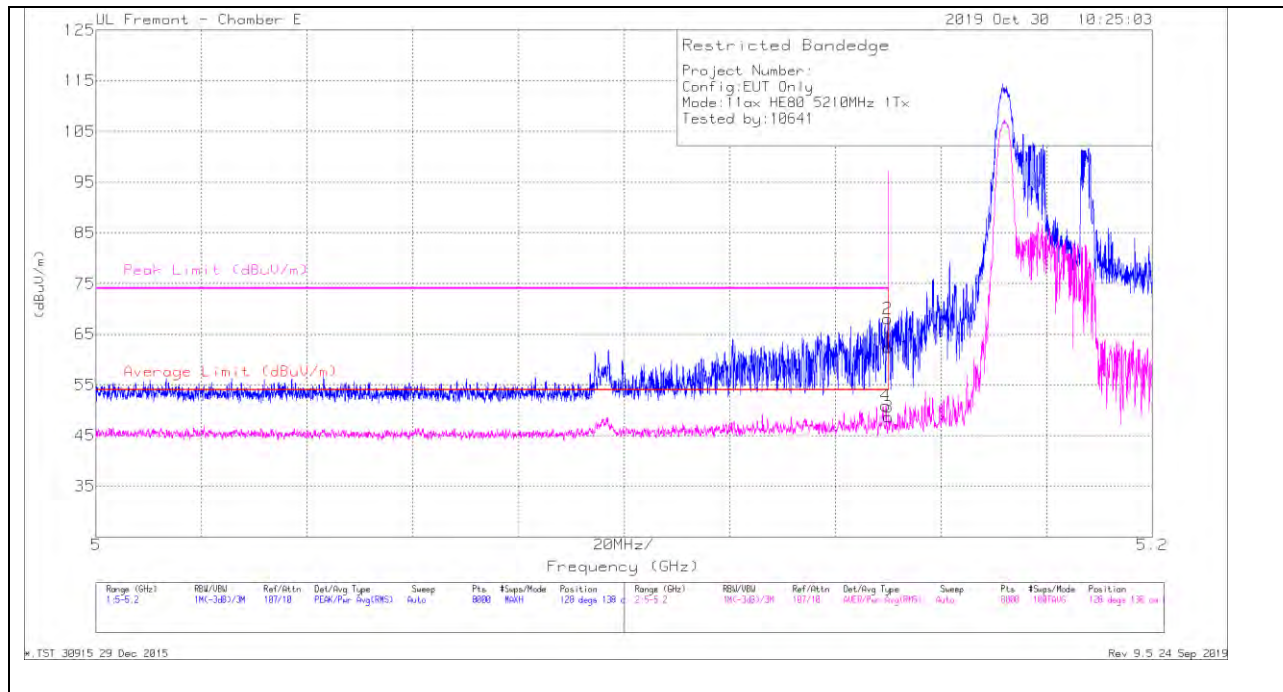
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	41.38	Pk	34.3	-21.9	53.78	-	-	74	-20.22	245	133	V
2	* 5.14249	44.41	Pk	34.2	-21.9	56.71	-	-	74	-17.29	245	133	V
3	* 5.14999	34.8	RMS	34.3	-21.9	47.2	54	-6.8	-	-	245	133	V
4	* 5.14517	35.33	RMS	34.2	-21.9	47.63	54	-6.37	-	-	245	133	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
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1TX LAT3 – 26 Tones, RU Index 0**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	49.95	Pk	34.3	-21.9	62.35	-	-	74	-11.65	128	138	H
2	* 5.14992	55.7	Pk	34.3	-21.9	68.1	-	-	74	-5.9	128	138	H
3	* 5.14999	36.29	RMS	34.3	-21.9	48.69	54	-5.31	-	-	128	138	H
4	* 5.14959	38.51	RMS	34.3	-21.9	50.91	54	-3.09	-	-	128	138	H

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

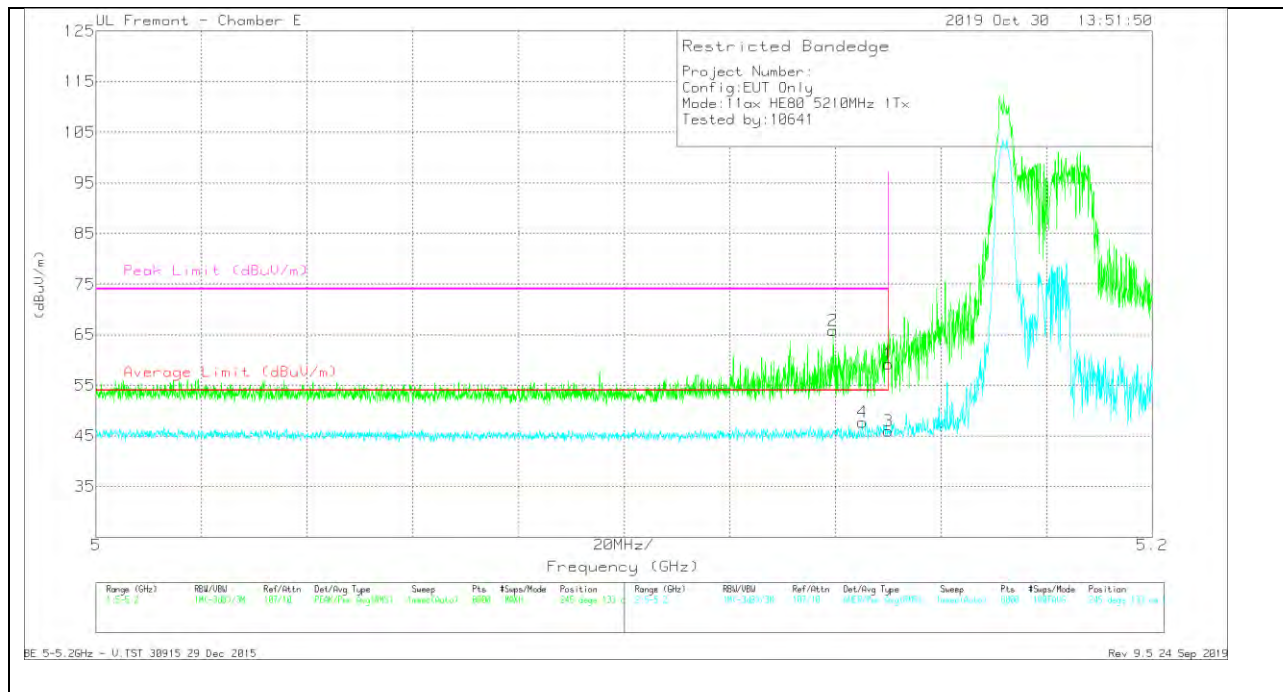
Pk - Peak detector

RMS - RMS detection

*.TST 30915 29 Dec 2015

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	46.82	Pk	34.3	-21.9	59.22	-	-	74	-14.78	245	133	V
2	* 5.13957	53.38	Pk	34.3	-21.9	65.78	-	-	74	-8.22	245	133	V
3	* 5.14999	33.49	RMS	34.3	-21.9	45.89	54	-8.11	-	-	245	133	V
4	* 5.14512	35.37	RMS	34.2	-21.9	47.67	54	-6.33	-	-	245	133	V

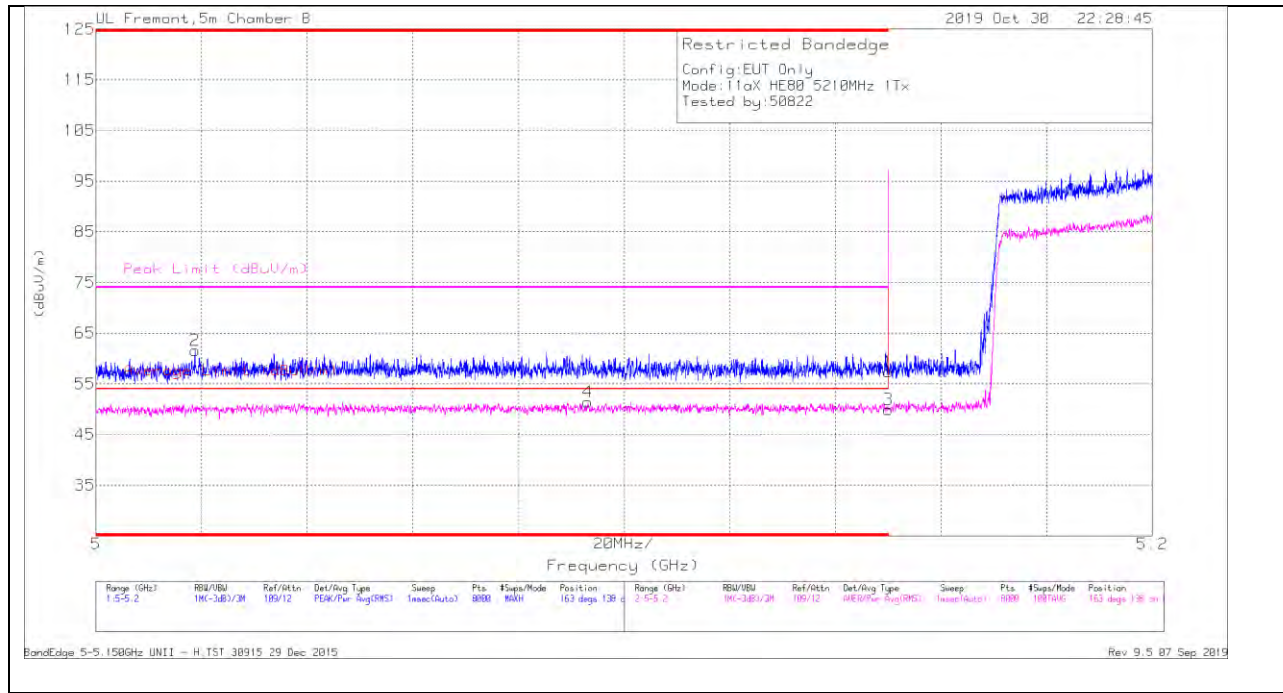
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
Rev 9.5 24 Sep 2019

1TX UAT2 – 996 Tones, RU Index 67

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0194893 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	38.36	Pk	34	-15	57.36	-	-	74	-16.64	163	138	H
2	* 5.01875	42.55	Pk	33.7	-14.7	61.55	-	-	74	-12.45	163	138	H
3	* 5.14999	30.91	RMS	34	-15	49.91	54	-4.09	-	-	163	138	H
4	* 5.09314	32.45	RMS	33.9	-14.9	51.45	54	-2.55	-	-	163	138	H

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

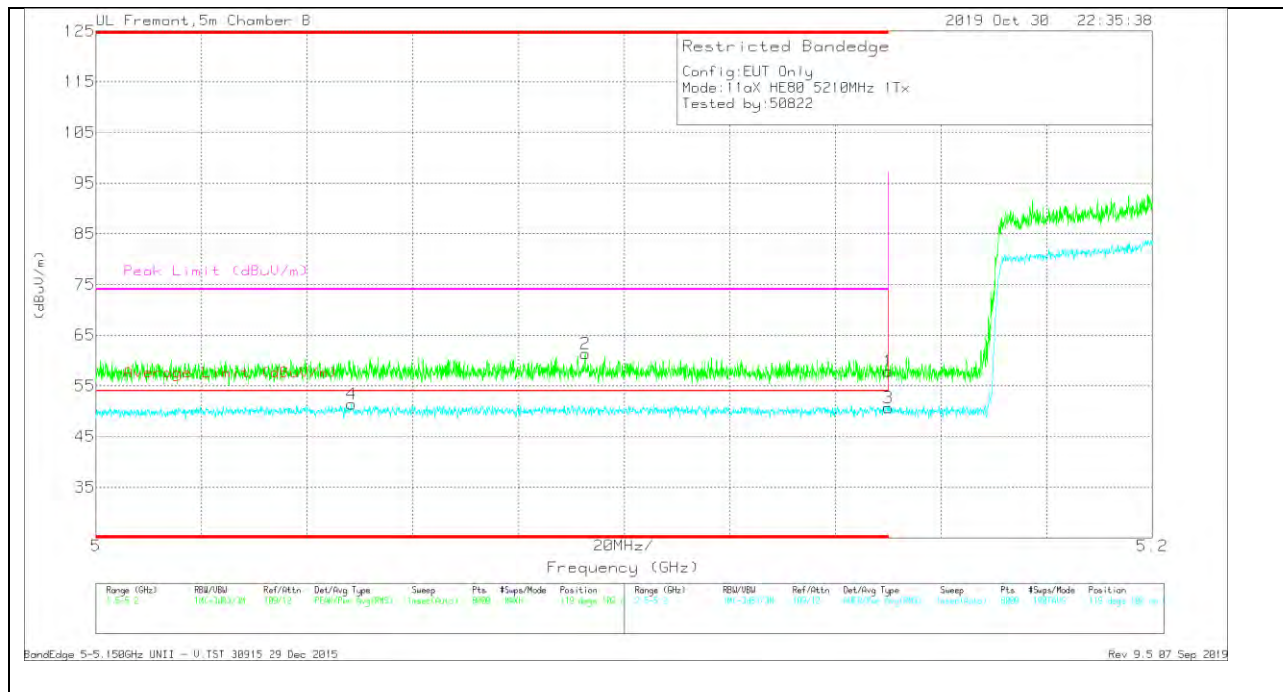
Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.150GHz UNII - H.TST 30915 29 Dec 2015

Rev 9.5 07 Sep 2019

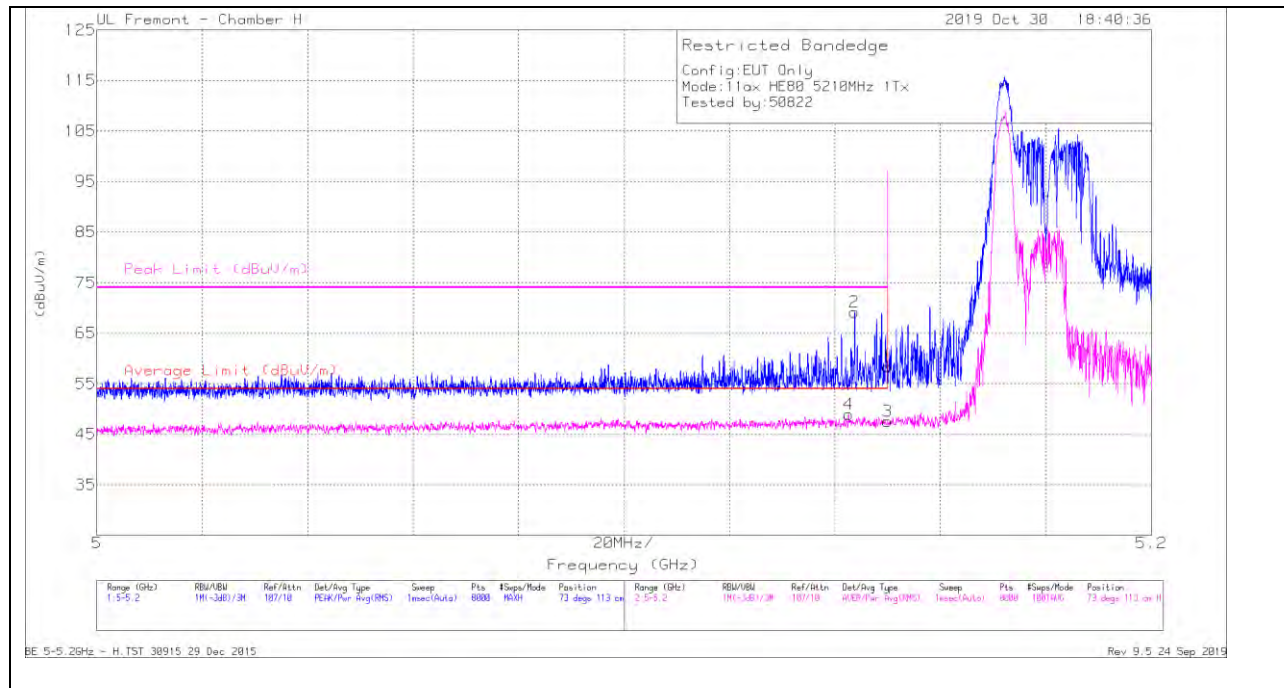
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0194893 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	38.92	Pk	34	-15	57.92	-	-	74	-16.08	119	102	V
2	* 5.09261	42.35	Pk	33.9	-14.9	61.35	-	-	74	-12.65	119	102	V
3	* 5.14999	31.65	RMS	34	-15	50.65	54	-3.35	-	-	119	102	V
4	* 5.04836	32.17	RMS	33.9	-14.7	51.37	54	-2.63	-	-	119	102	V

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

BandEdge 5-5.150GHz UNII - V.TST 30915 29 Dec 2015
Rev 9.5 07 Sep 2019

1TX UAT2 – 26 Tones, RU Index 0**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	44.89	Pk	34.4	-20.9	58.39	-	-	74	-15.61	73	113	H
2	* 5.14372	55.92	PK	34.3	-21	69.22	-	-	74	-4.78	73	113	H
3	* 5.14999	34.04	RMS	34.4	-20.9	47.54	54	-6.46	-	-	73	113	H
4	* 5.14254	35.48	RMS	34.3	-20.9	48.88	54	-5.12	-	-	73	113	H

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

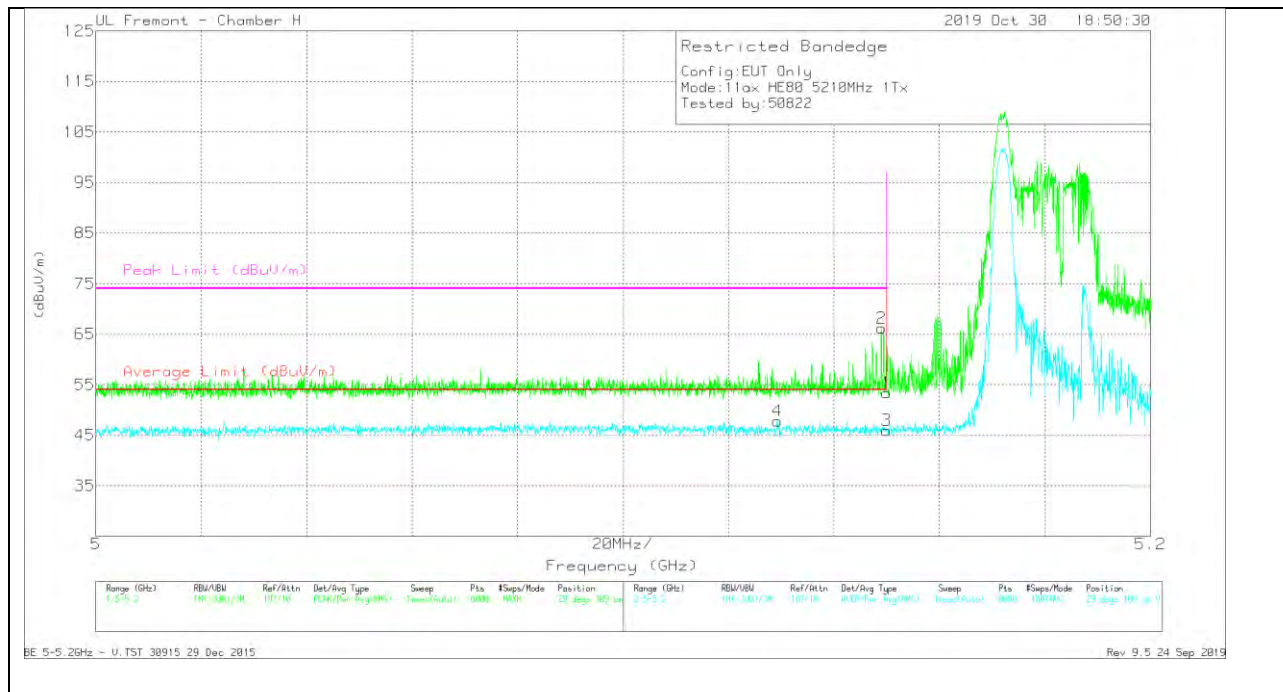
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

Rev 9.5 24 Sep 2019

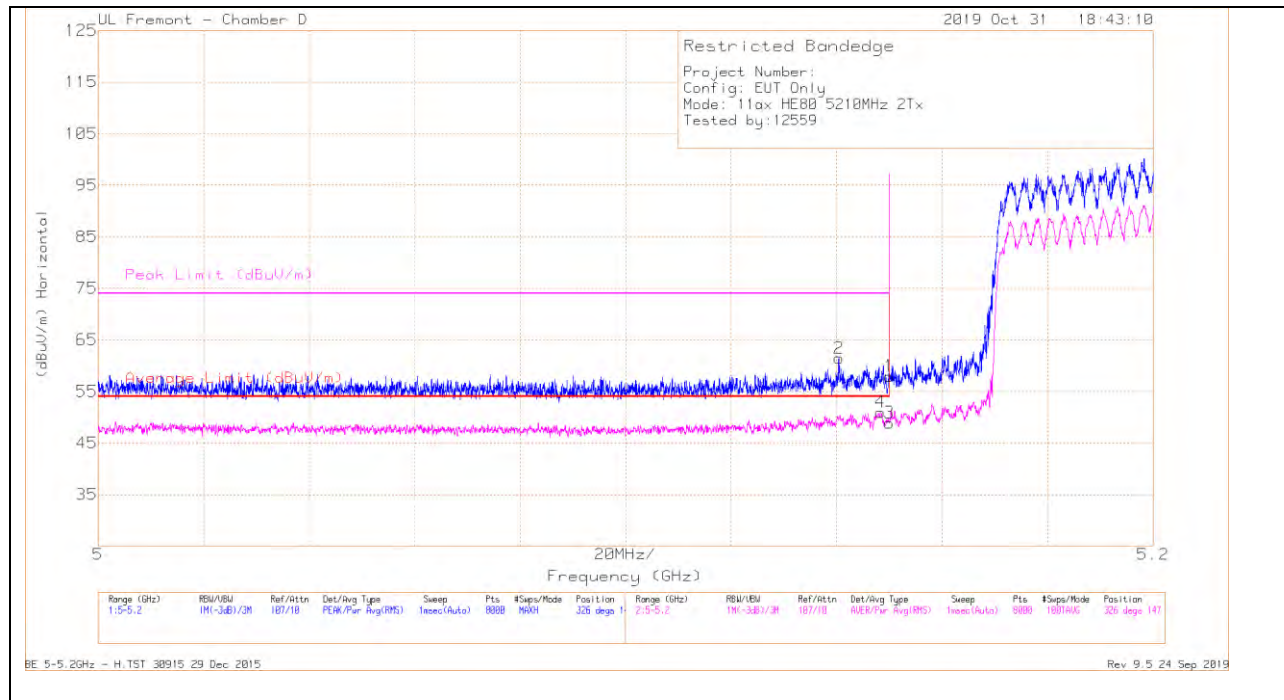
VERTICAL RESULT



Marker	Frequency (GHz)	Motor Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	39.93	Pk	34.4	-20.9	53.43	-	-	74	-20.57	29	109	V
2	* 5.14899	52.84	Pk	34.4	-21	66.24	-	-	74	-7.76	29	109	V
3	* 5.14999	32.5	RMS	34.4	-20.9	46	54	-8	-	-	29	109	V
4	* 5.12924	34.42	RMS	34.3	-20.9	47.82	54	-6.18	-	-	29	109	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
Rev 9.5 24 Sep 2019

BANDEDGE (MID CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	42.04	Pk	34.1	-18.2	57.94	-	-	74	-16.06	326	147	H
2	* 5.14039	45.53	Pk	34.1	-18.2	61.43	-	-	74	-12.57	326	147	H
3	* 5.14999	33.01	RMS	34.1	-18.2	48.91	54	-5.09	-	-	326	147	H
4	* 5.14827	35.08	RMS	34.1	-18.2	50.98	54	-3.02	-	-	326	147	H

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

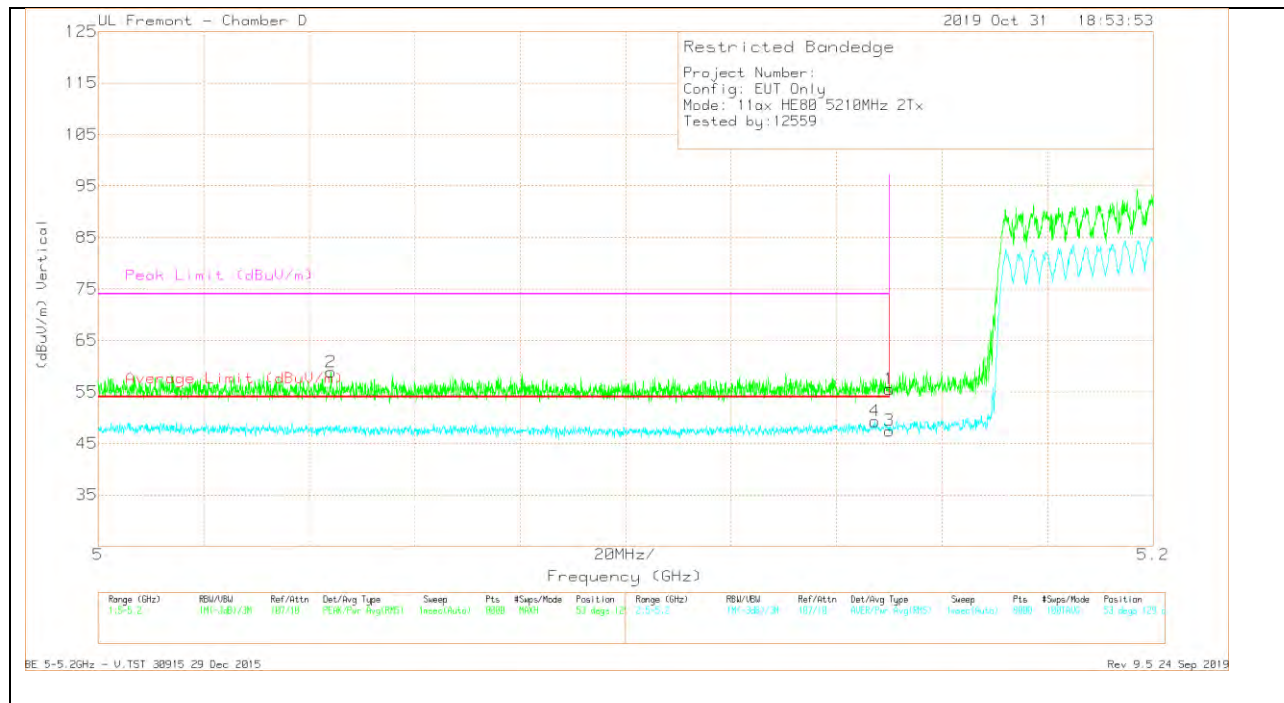
Pk - Peak detector

RMS - RMS detection

BE 5-5.2GHz - H.TST 30915 29 Dec 2015

Rev 9.5 24 Sep 2019

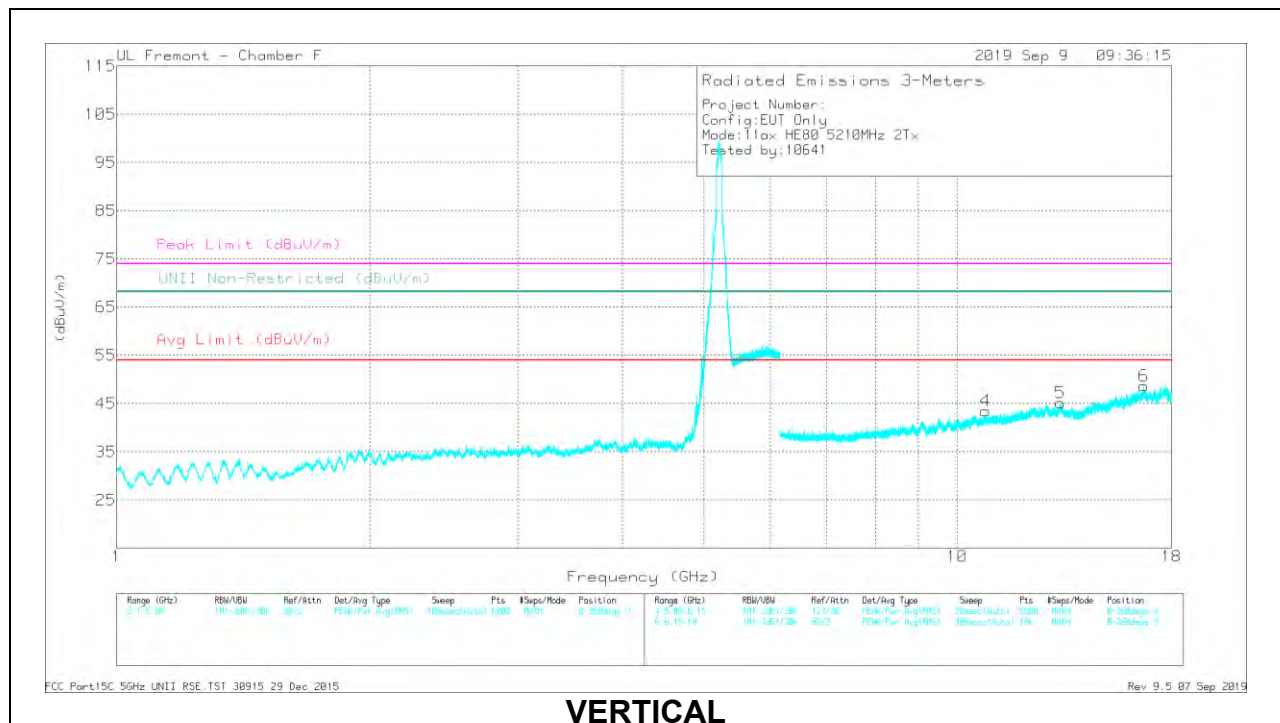
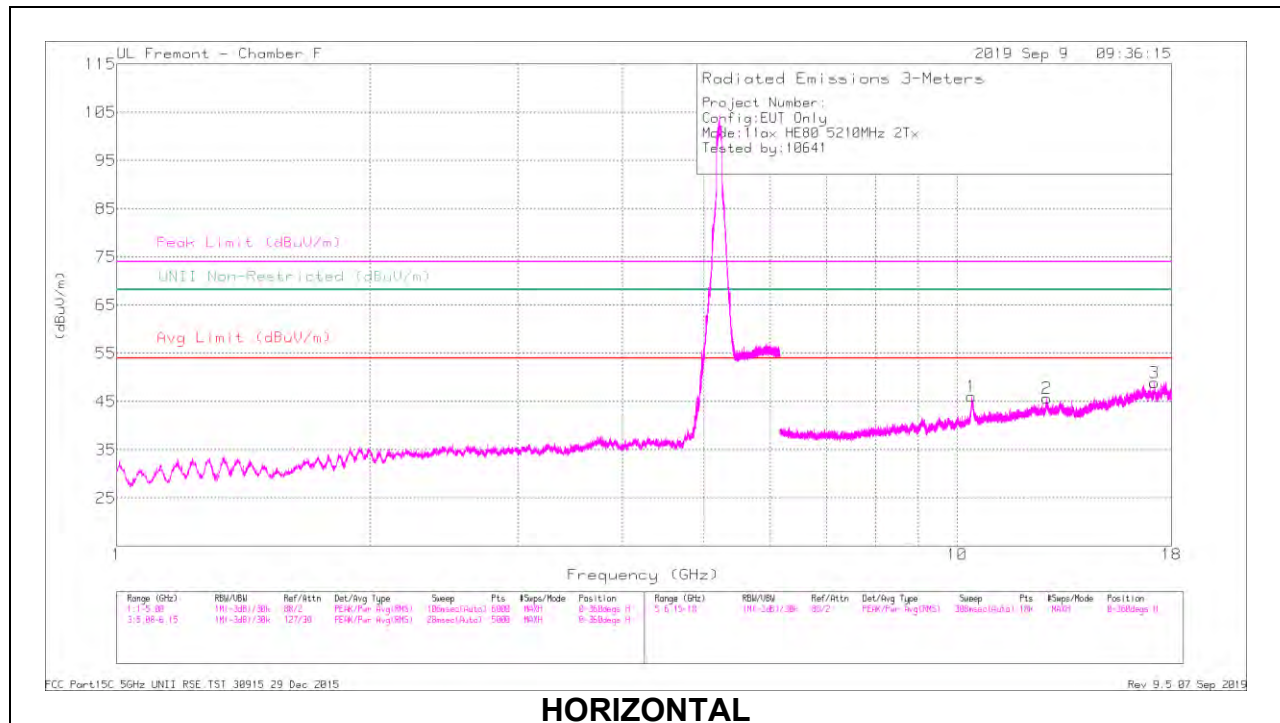
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	39.64	Pk	34.1	-18.2	55.54	-	-	74	-18.46	53	129	V
2	* 5.04416	43.05	Pk	34	-18.2	58.85	-	-	74	-15.15	53	129	V
3	* 5.14999	31.55	RMS	34.1	-18.2	47.45	54	-6.55	-	-	53	129	V
4	* 5.14724	33.4	RMS	34.1	-18.2	49.3	54	-4.7	-	-	53	129	V

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

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
Rev 9.5 24 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**MID CHANNEL RESULTS**

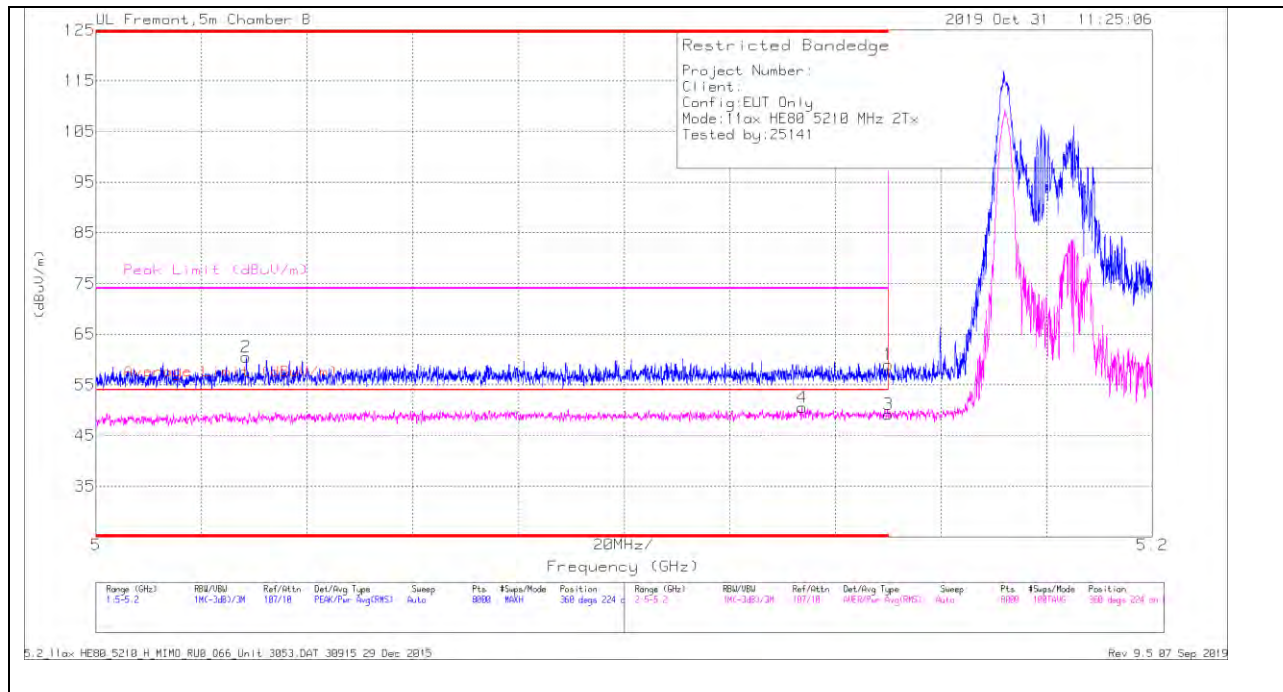
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pa d (dB)	Correct ed 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)	Polarit y
1	10.42591	54.87	PK-U	37.6	-39.3	53.17	-	-	-	-	68.2	-15.03	91	102	H
2	12.76968	50.54	PK-U	39.3	-37.9	51.94	-	-	-	-	68.2	-16.26	284	106	H
3	17.1808	51.01	PK-U	41.2	-36.7	55.51	-	-	-	-	68.2	-12.69	248	128	H
4	* 10.81633	50.45	PK-U	38	-38.4	50.05	-	-	74	-23.95	-	-	151	156	V
	* 10.81766	39.01	ADR	38	-38.4	38.61	54	-15.39	-	-	-	-	151	156	V
5	* 13.29029	50.14	PK-U	39.3	-38	51.44	-	-	74	-22.56	-	-	117	174	V
	* 13.28806	39.39	ADR	39.3	-37.9	40.79	54	-13.21	-	-	-	-	117	174	V
6	16.68501	50.32	PK-U	41.8	-36.8	55.32	-	-	-	-	68.2	-12.88	106	258	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

2TX LAT3 + UAT2 OFDMA MODE – 26 Tones, RU Index 0**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0194893 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	40.64	Pk	34	-15.6	59.04	-	-	74	-14.96	360	224	H
2	* 5.02848	42.12	Pk	33.8	-15.5	60.42	-	-	74	-13.58	360	224	H
3	* 5.14999	30.73	RMS	34	-15.6	49.13	54	-4.87	-	-	360	224	H
4	* 5.13367	31.9	RMS	34	-15.4	50.5	54	-3.5	-	-	360	224	H

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

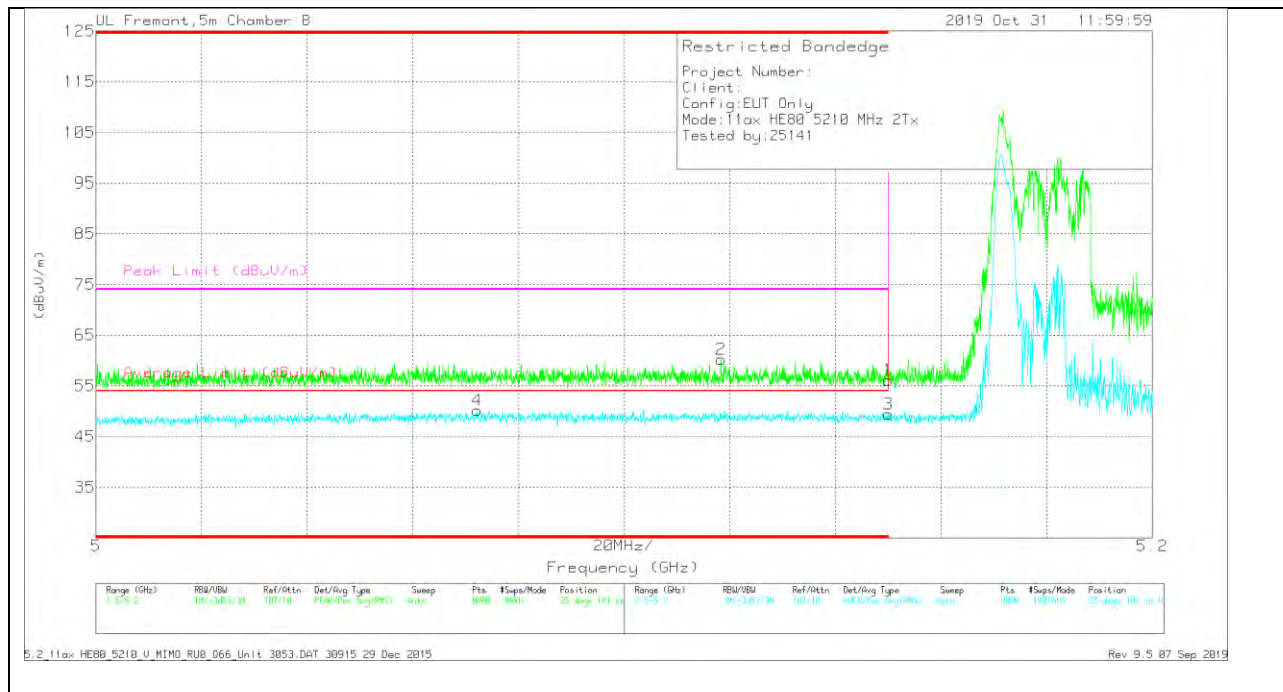
Pk - Peak detector

RMS - RMS detection

5.2_11ax HE80_5210_H_MIMO_RU0_Q66_Unit 3053.DAT 30915 29 Dec 2015

Rev 9.5 07 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0194893 (dBm)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.07218	31.71	RMS	33.9	-15.4	50.21	54	-3.79	-	-	25	181	V
2	* 5.11831	41.74	Pk	34	-15.5	60.24	-	-	74	-13.76	25	181	V
1	* 5.14999	37.71	Pk	34	-15.6	56.11	-	-	74	-17.89	25	181	V
3	* 5.14999	31.05	RMS	34	-15.6	49.45	54	-4.55	-	-	25	181	V

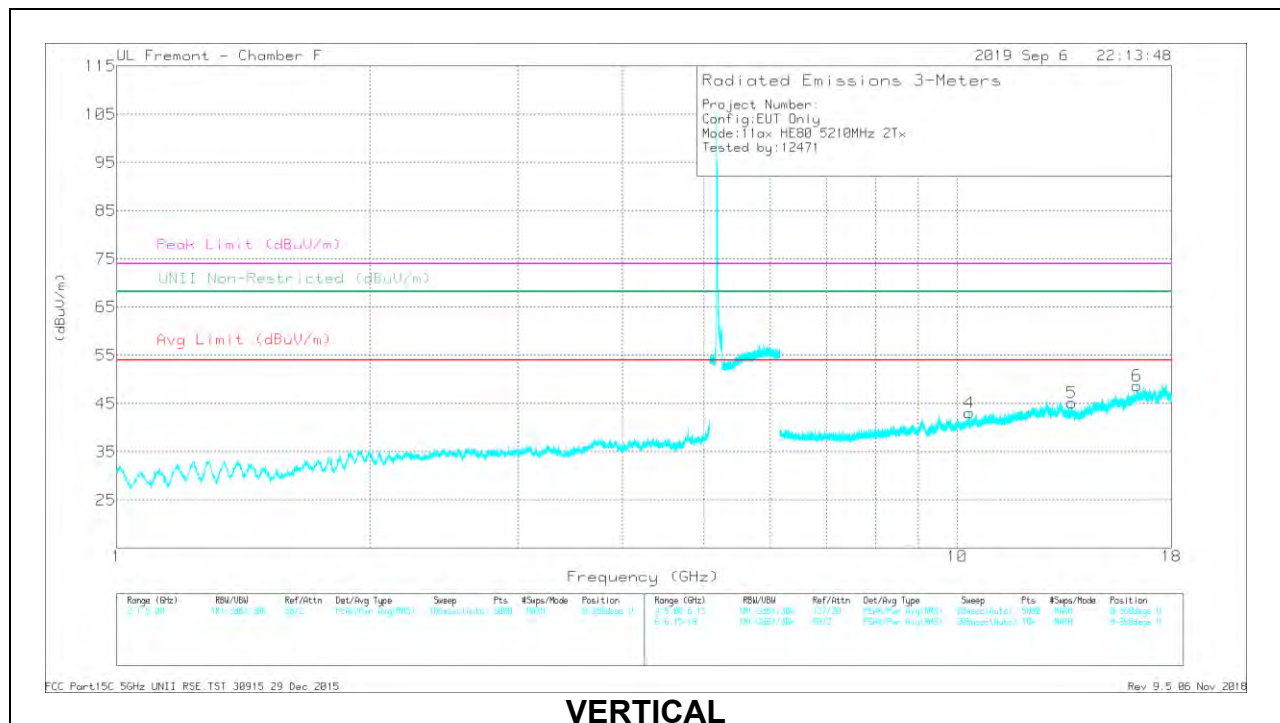
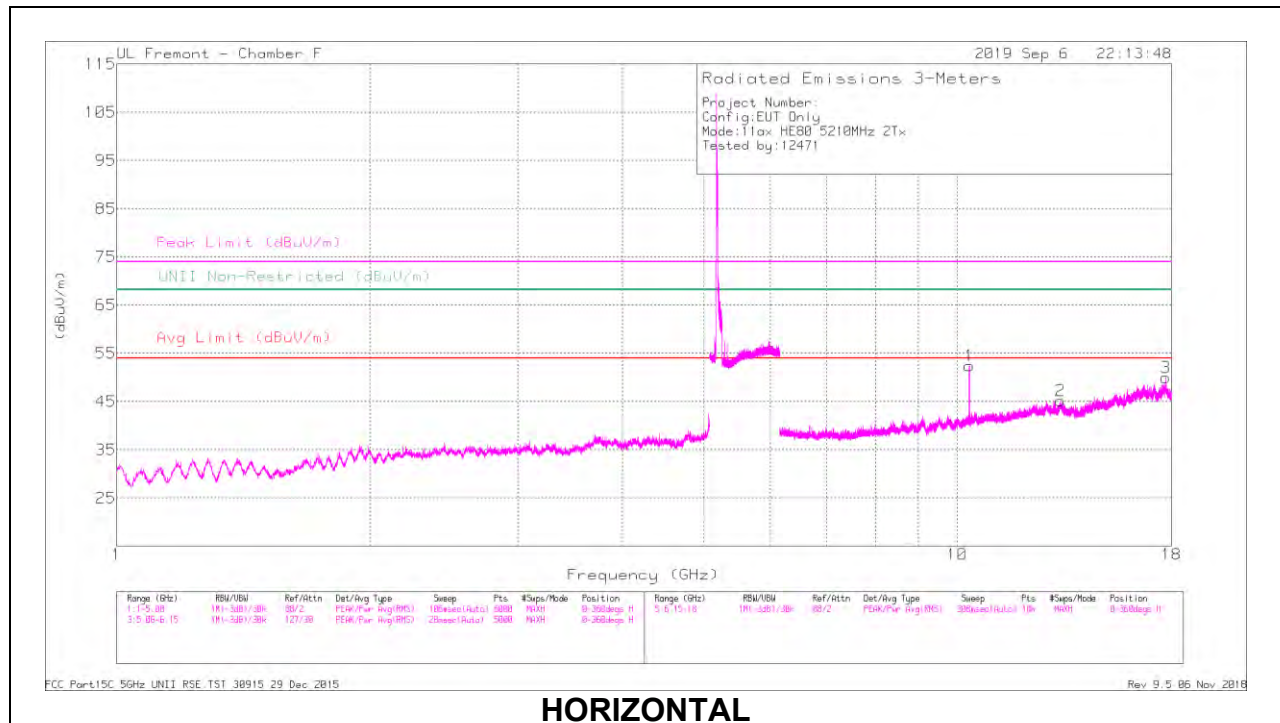
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

5.2_11ax HE80_5210_V_MIMO_RU0_Q66_Unit 3053.DAT 30915 29 Dec 2015

Rev 9.5 07 Sep 2019

HARMONICS AND SPURIOUS EMISSIONS**MID CHANNEL RESULTS**

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Amp/Cbl/Ftr/Pad (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	10.344	62.1	PK-U	37.5	-39.3	60.3	-	-	-	-	68.2	-7.9	174	109	H
2	* 13.278	51.05	PK-U	39.3	-38.1	52.25	-	-	74	-21.75	-	-	34	377	H
	* 13.279	38.9	ADR	39.3	-38.1	40.1	54	-13.9	-	-	-	-	34	377	H
3	* 17.731	51.28	PK-U	41.6	-36.6	56.28	-	-	74	-17.72	-	-	9	262	H
	* 17.732	39.51	ADR	41.5	-36.6	44.41	54	-9.59	-	-	-	-	9	262	H
4	10.343	55.27	PK-U	37.5	-39.3	53.47	-	-	-	-	68.2	-14.73	76	350	V
5	13.705	51.59	PK-U	38.6	-38.2	51.99	-	-	-	-	68.2	-16.21	57	201	V
6	16.387	51.08	PK-U	41.3	-37.5	54.88	-	-	-	-	68.2	-13.32	94	241	V

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

PK-U - U-NII: Maximum Peak

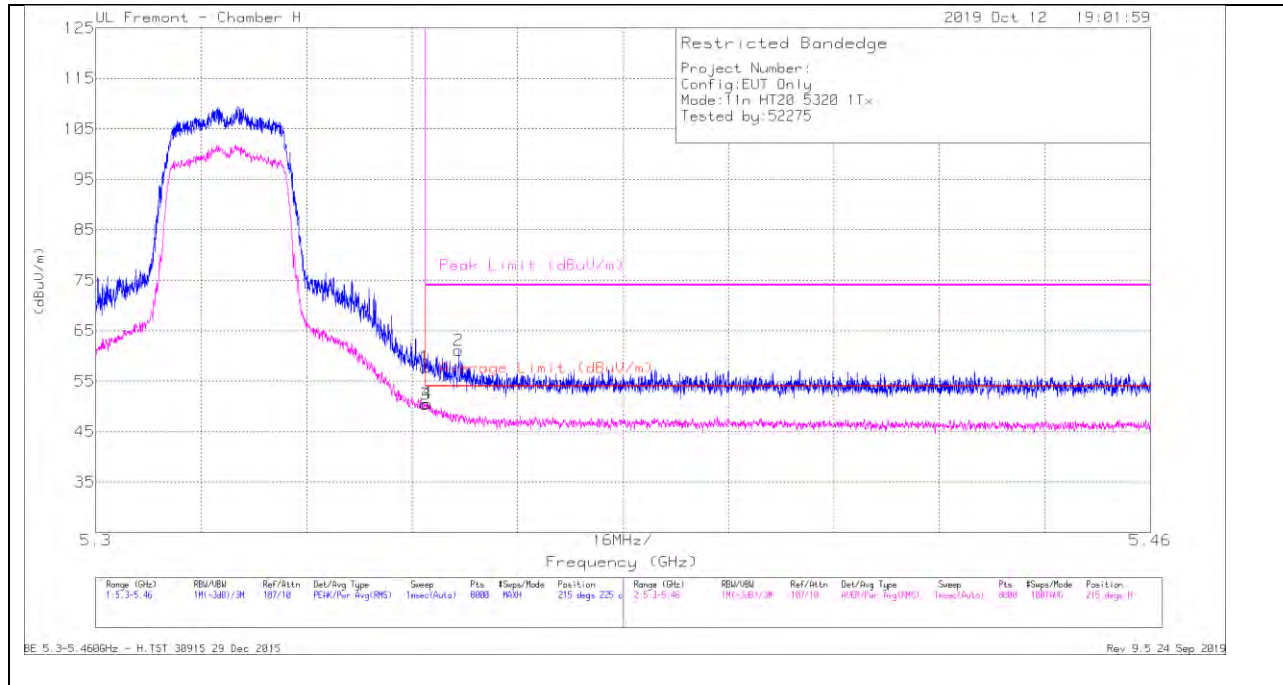
ADR - U-NII AD primary method, RMS average

1.1.7. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX LAT3

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	43.4	Pk	34.9	-20.5	57.8	-	-	74	-16.2	215	225	H
2	* 5.35503	46.75	Pk	34.9	-20.5	61.15	-	-	74	-12.85	215	225	H
3	* 5.35001	35.98	RMS	34.9	-20.5	50.38	54	-3.62	-	-	215	225	H
4	* 5.35033	36.2	RMS	34.9	-20.5	50.6	54	-3.4	-	-	215	225	H

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

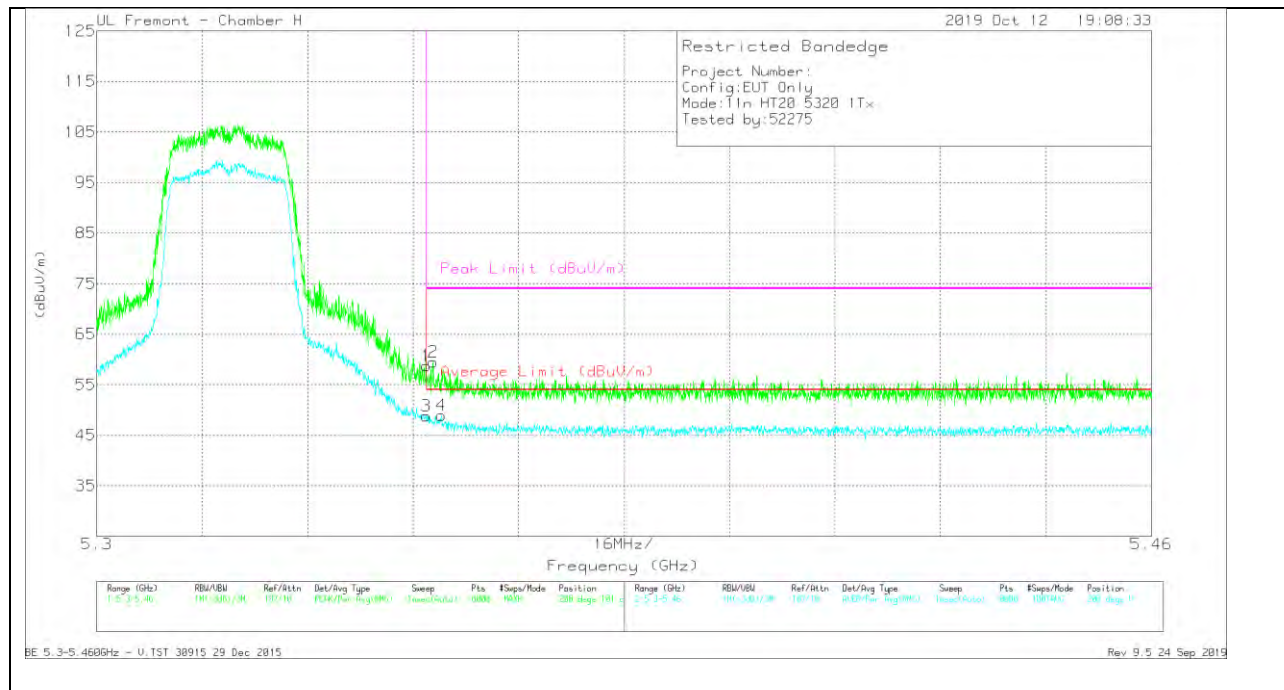
Pk - Peak detector

RMS - RMS detection

BE 5.3-5.460GHz - H.TST 30915 29 Dec 2015

Rev 9.5 24 Sep 2019

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	44.36	Pk	34.9	-20.5	58.76	-	-	74	-15.24	208	101	V
2	* 5.35105	45.07	Pk	34.9	-20.5	59.47	-	-	74	-14.53	208	101	V
3	* 5.35001	34.43	RMS	34.9	-20.5	48.83	54	-5.17	-	-	208	101	V
4	* 5.35227	34.5	RMS	34.9	-20.5	48.9	54	-5.1	-	-	208	101	V

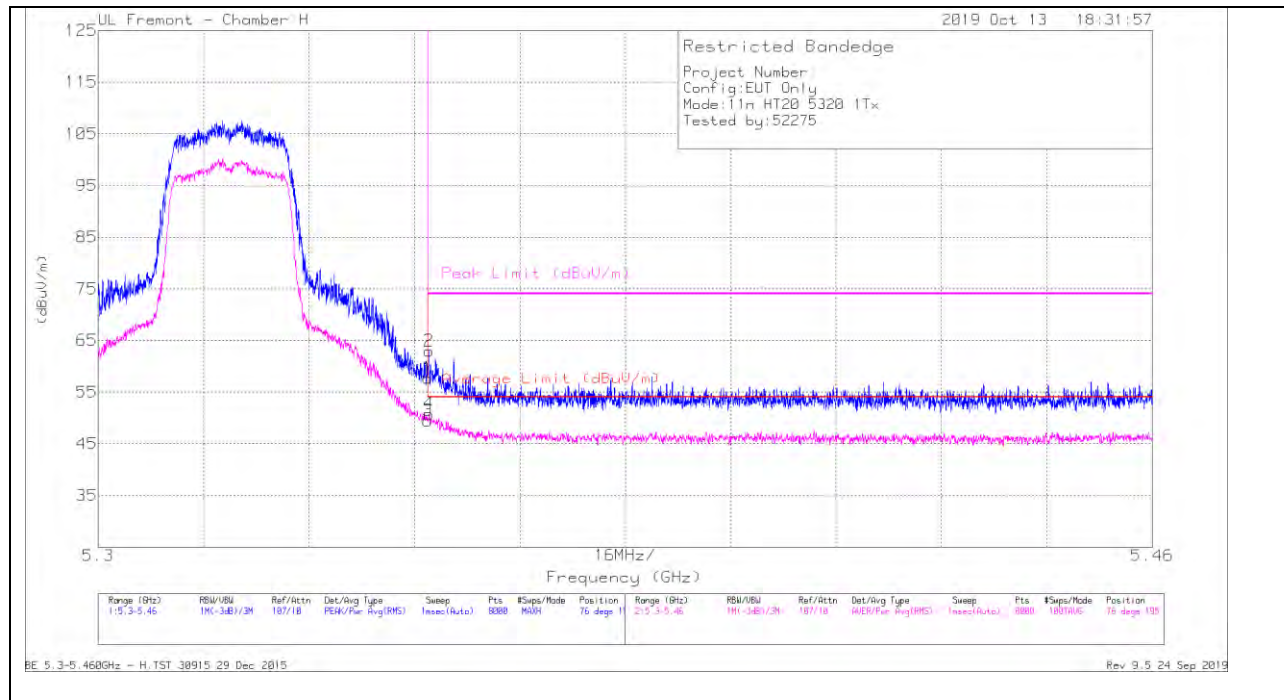
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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1TX UAT2**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	43.32	Pk	34.9	-20.5	57.72	-	-	74	-16.28	76	195	H
2	* 5.35019	48.56	Pk	34.9	-20.5	62.96	-	-	74	-11.04	76	195	H
3	* 5.35001	35.1	RMS	34.9	-20.5	49.5	54	-4.5	-	-	76	195	H
4	* 5.35021	36.39	RMS	34.9	-20.5	50.79	54	-3.21	-	-	76	195	H

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

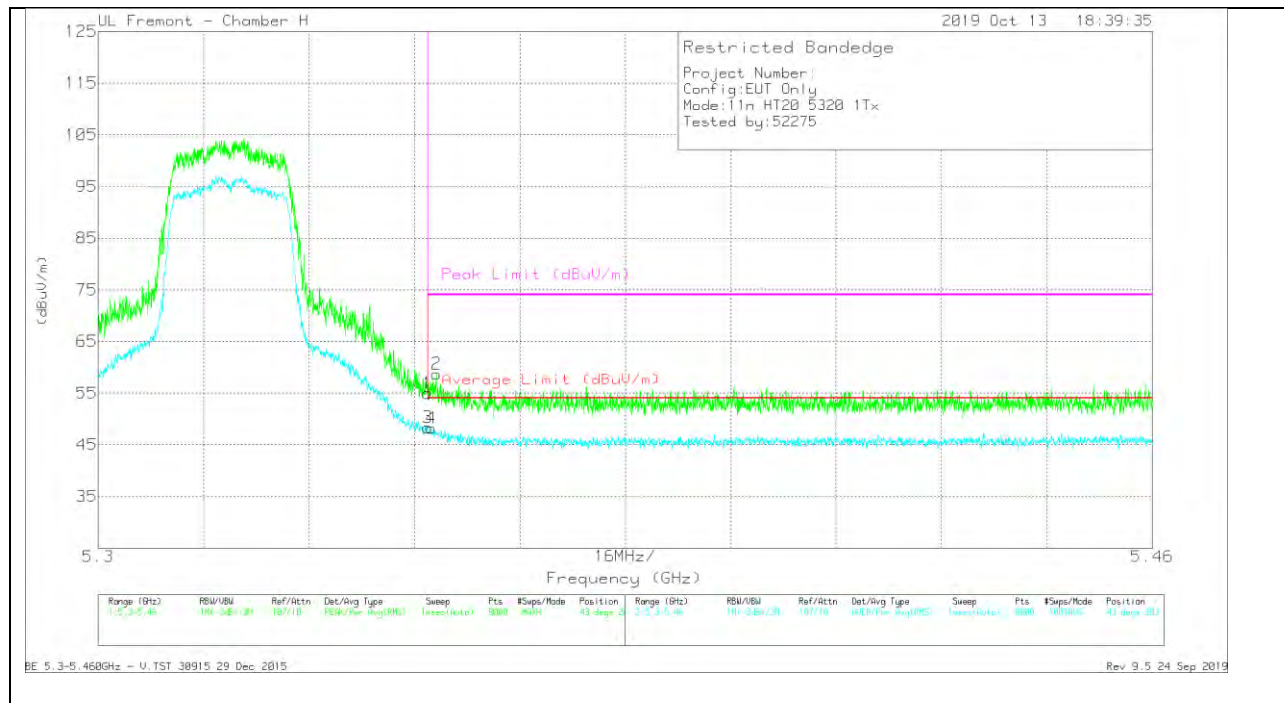
Pk - Peak detector

RMS - RMS detection

BE 5.3-5.460GHz - H.TST 30915 29 Dec 2015

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	40.58	Pk	34.9	-20.5	54.98	-	-	74	-19.02	43	203	V
2	* 5.35133	44.32	Pk	34.9	-20.5	58.72	-	-	74	-15.28	43	203	V
3	* 5.35001	33.97	RMS	34.9	-20.5	48.37	54	-5.63	-	-	43	203	V
4	* 5.35059	33.79	RMS	34.9	-20.5	48.19	54	-5.81	-	-	43	203	V

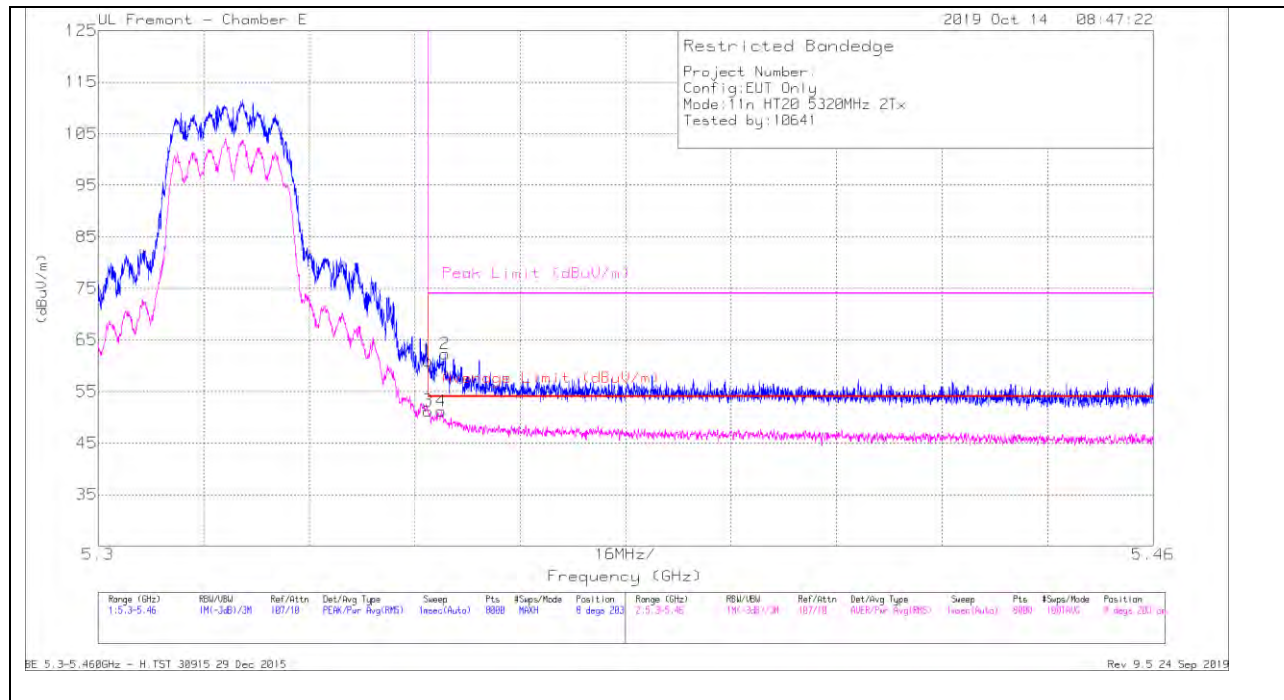
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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2TX LAT3 + UAT2 CDD MODE**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Ampl/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	47.85	Pk	34.5	-21.4	60.95	-	-	74	-13.05	8	203	H
2	* 5.35263	49.19	Pk	34.5	-21.4	62.29	-	-	74	-11.71	8	203	H
3	* 5.35001	38.13	RMS	34.5	-21.4	51.23	54	-2.77	-	-	8	203	H
4	* 5.35203	38.08	RMS	34.5	-21.4	51.18	54	-2.82	-	-	8	203	H

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

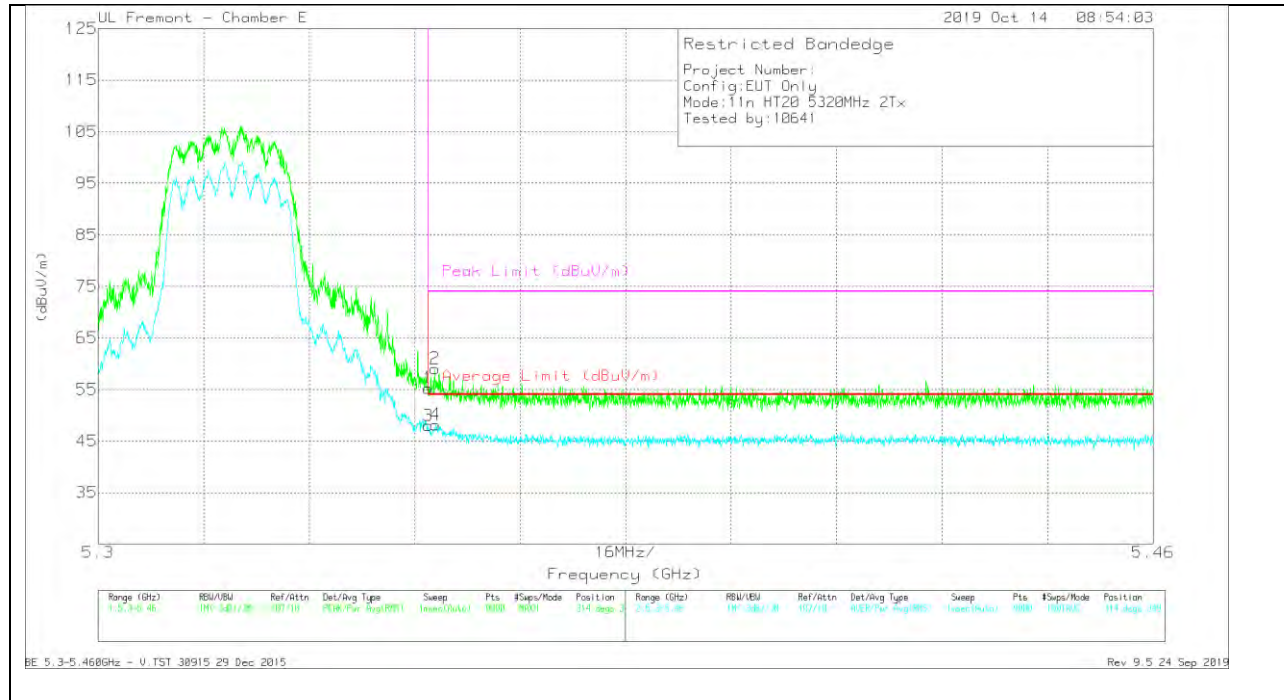
Pk - Peak detector

RMS - RMS detection

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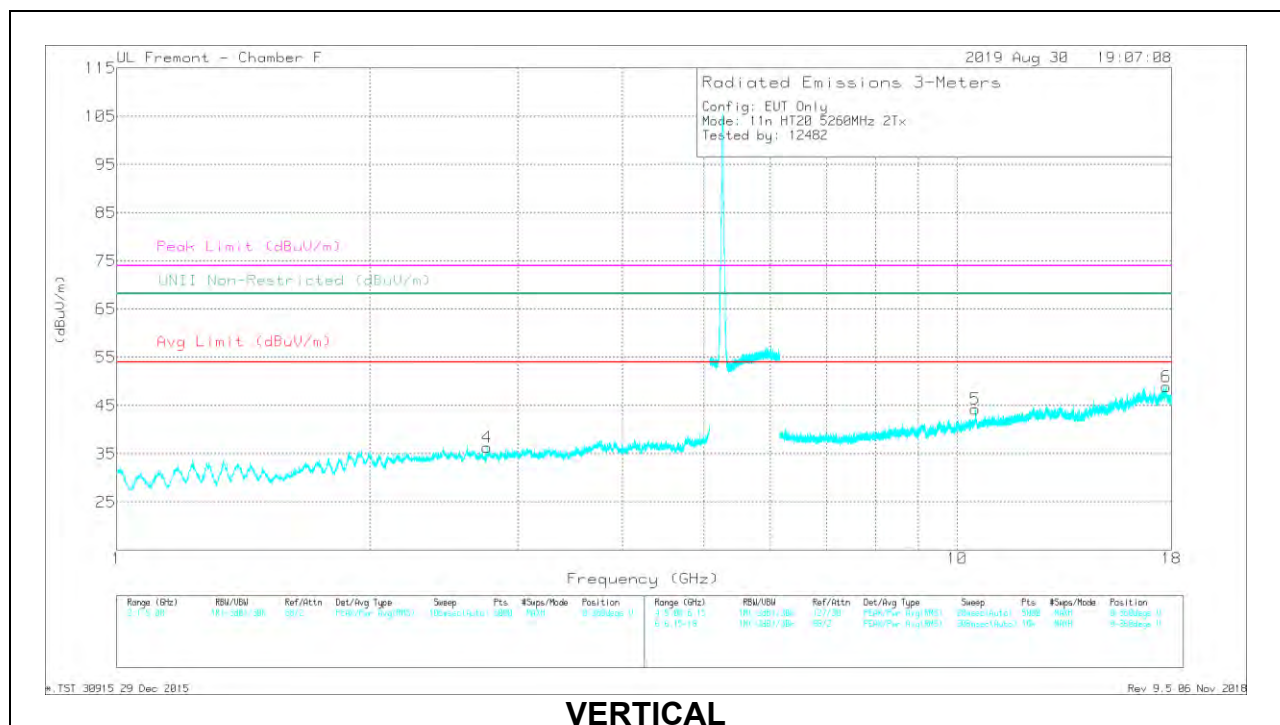
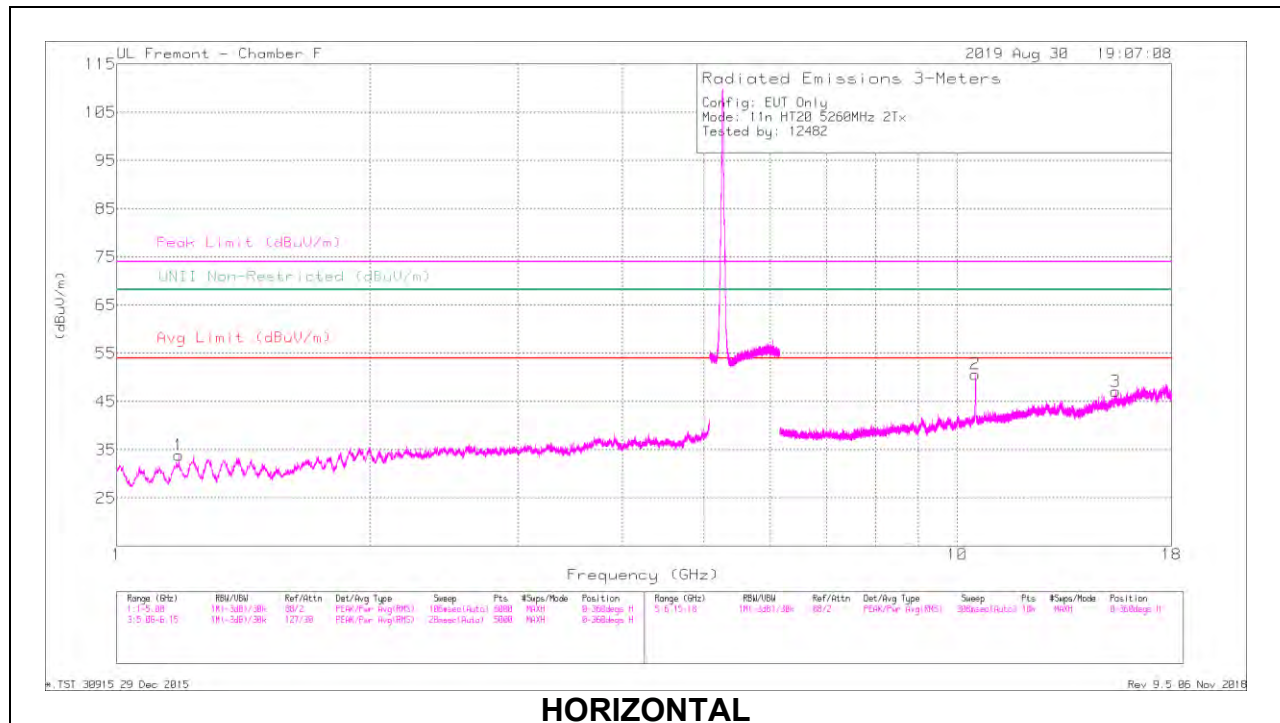
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	42.17	Pk	34.5	-21.4	55.27	-	-	74	-18.73	314	349	V
2	* 5.35107	45.95	Pk	34.5	-21.4	59.05	-	-	74	-14.95	314	349	V
3	* 5.35001	34.88	RMS	34.5	-21.4	47.98	54	-6.02	-	-	314	349	V
4	* 5.35119	35.06	RMS	34.5	-21.4	48.16	54	-5.84	-	-	314	349	V

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

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HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pa d (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	* 1.183	57.87	PK-U	28	-46.5	39.37	-	-	74	-34.63	-	-	148	352	H
	* 1.183	46.67	ADR	28	-46.5	28.17	54	-25.83	-	-	-	-	148	352	H
4	* 2.76	55.76	PK-U	32.3	-45.5	42.56	-	-	74	-31.44	-	-	288	245	V
	* 2.759	44.11	ADR	32.3	-45.5	30.91	54	-23.09	-	-	-	-	288	245	V
2	10.52	58.59	PK-U	37.7	-38.6	57.69	-	-	-	-	68.2	-10.51	138	101	H
3	* 15.455	51.04	PK-U	40.4	-37.8	53.64	-	-	74	-20.36	-	-	322	299	H
	* 15.453	40.19	ADR	40.4	-37.7	42.89	54	-11.11	-	-	-	-	322	299	H
5	10.519	52.89	PK-U	37.7	-38.7	51.89	-	-	-	-	68.2	-16.31	264	109	V
6	* 17.741	51.35	PK-U	41.5	-36.7	56.15	-	-	74	-17.85	-	-	135	158	V
	* 17.739	39.84	ADR	41.5	-36.7	44.64	54	-9.36	-	-	-	-	135	158	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