



TEST REPORT

Report Number: 13571601-E5V2 & E6V2

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

Model : A2483 (Parent Model, Full Test)
A2640, A2636, A2638, A2639 (Variant Models)

FCC ID : BCG-E4000A (Parent Model)
: BCG-E4034A, BCG-E4002A, BCG-E4033A (Variant Models)

IC : 579C-E4000A (Parent Model)
579C-E4034A, 579C-E4002A, 579C-E4033A (Variant Models)

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 15 SUBPART E
ISED RSS-247 ISSUE 2
ISED RSS-GEN ISSUE 5 + A1 + A2

Date of Issue:
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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	6/24/2021	Initial Issue	Chin Pang
V2	7/7/2021	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.

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.

RESULTS

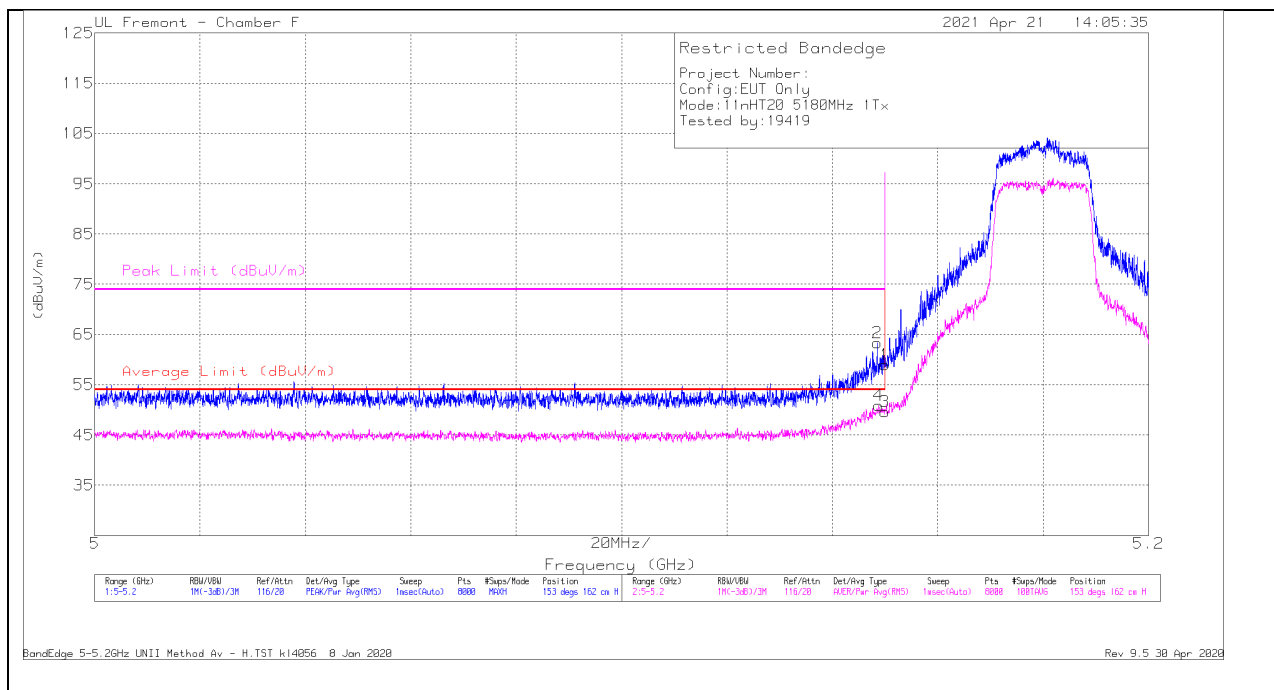
1.1. TRANSMITTER ABOVE 1 GHz

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

1TX ANT 6

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb I/Filtr/Par 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	58.14	Pk	34.5	-33.7	0	58.94	-	-	74	-15.06	153	162	H
2	* 5.14852	62.51	Pk	34.5	-33.7	0	63.31	-	-	74	-10.69	153	162	H
3	* 5.14999	48.45	RMS	34.5	-33.7	-37	49.62	54	-4.38	-	-	153	162	H
4	* 5.14879	49.76	RMS	34.5	-33.7	-37	50.93	54	-3.07	-	-	153	162	H

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

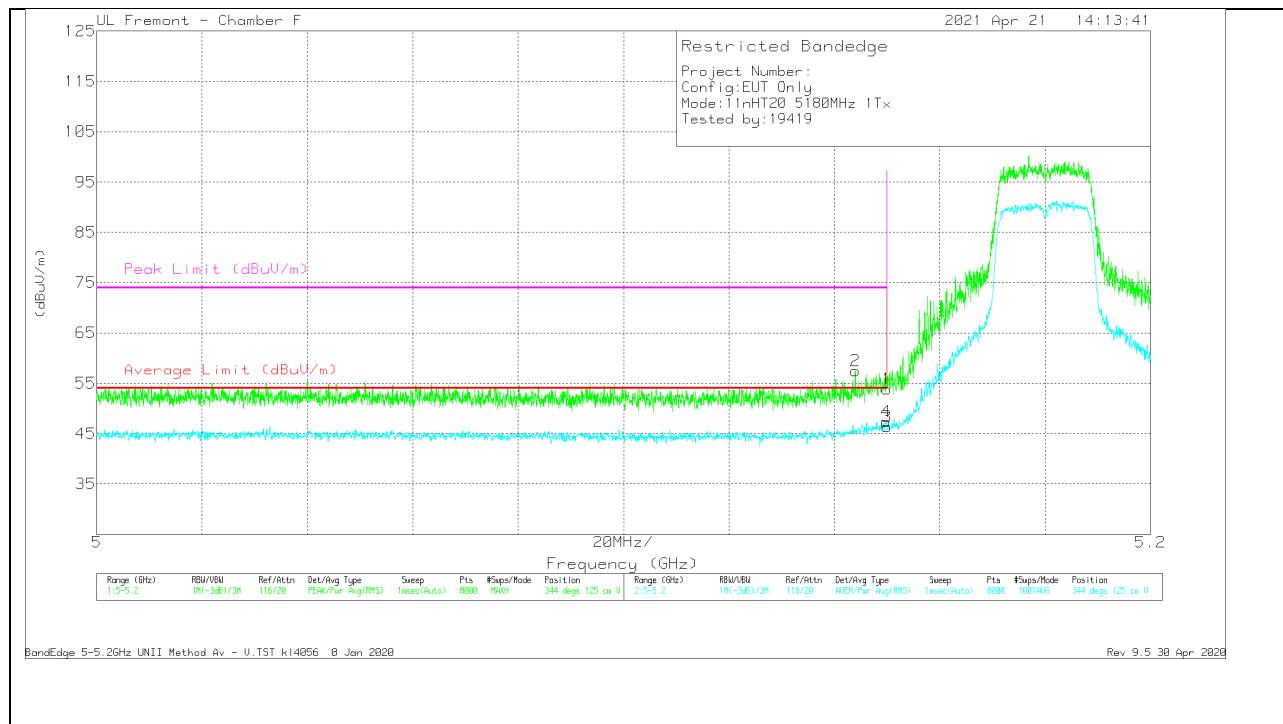
Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.2GHz UNII Method Av - H.TST kl4056 8 Jan 2020

Rev 9.5 30 Apr 2020

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/CbI/Filt/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	53.1	Pk	34.5	-33.7	0	53.9	-	-	74	-20.1	344	125	V
2	* 5.14397	56.8	Pk	34.5	-33.8	0	57.5	-	-	74	-16.5	344	125	V
3	* 5.14999	45.55	RMS	34.5	-33.7	0.37	46.72	54	-7.28	-	-	344	125	V
4	* 5.14989	46.55	RMS	34.5	-33.7	0.37	47.72	54	-6.28	-	-	344	125	V

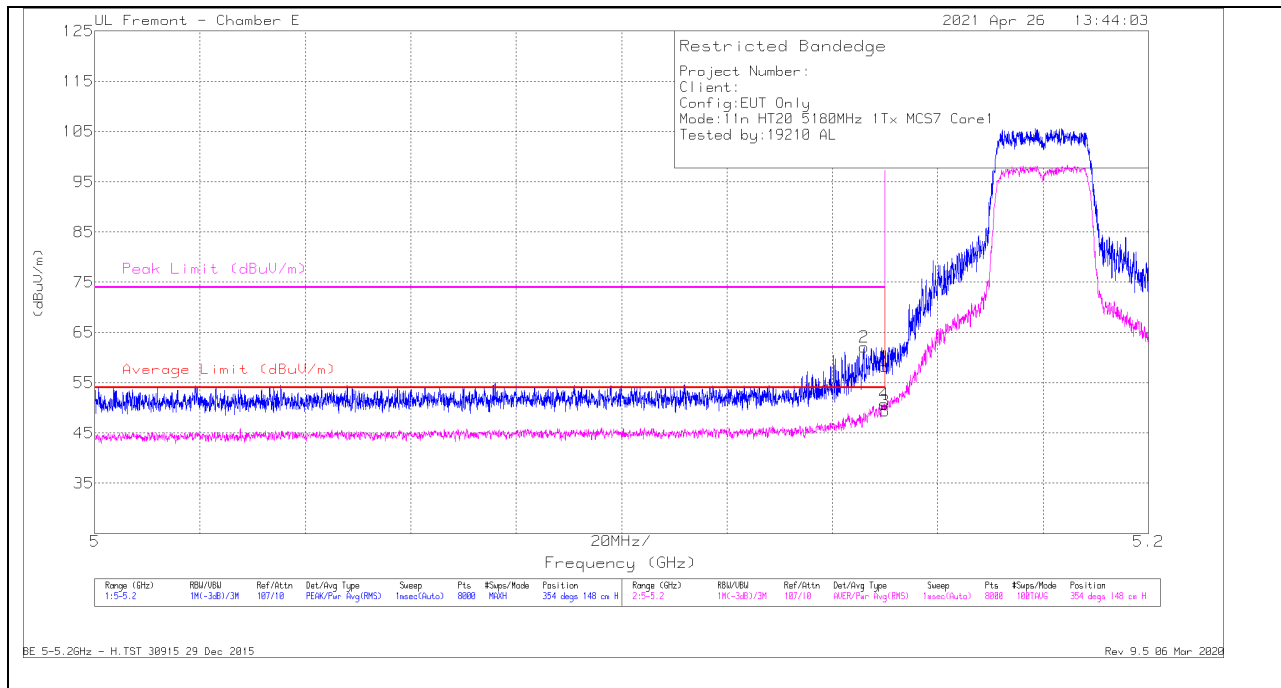
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BandEdge 5-5.2GHz UNII Method Av - V.TST k14056 8 Jan 2020

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1TX ANT 5**BANDEGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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	45.08	Pk	34.3	-21.2	0	58.18	-	-	74	-15.82	354	148	H
2	* 5.14599	48.94	Pk	34.3	-21.2	0	62.04	-	-	74	-11.96	354	148	H
3	* 5.14999	35.89	RMS	34.3	-21.2	.37	49.36	54	-4.64	-	-	354	148	H
4	* 5.14989	37.31	RMS	34.3	-21.2	.37	50.78	54	-3.22	-	-	354	148	H

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

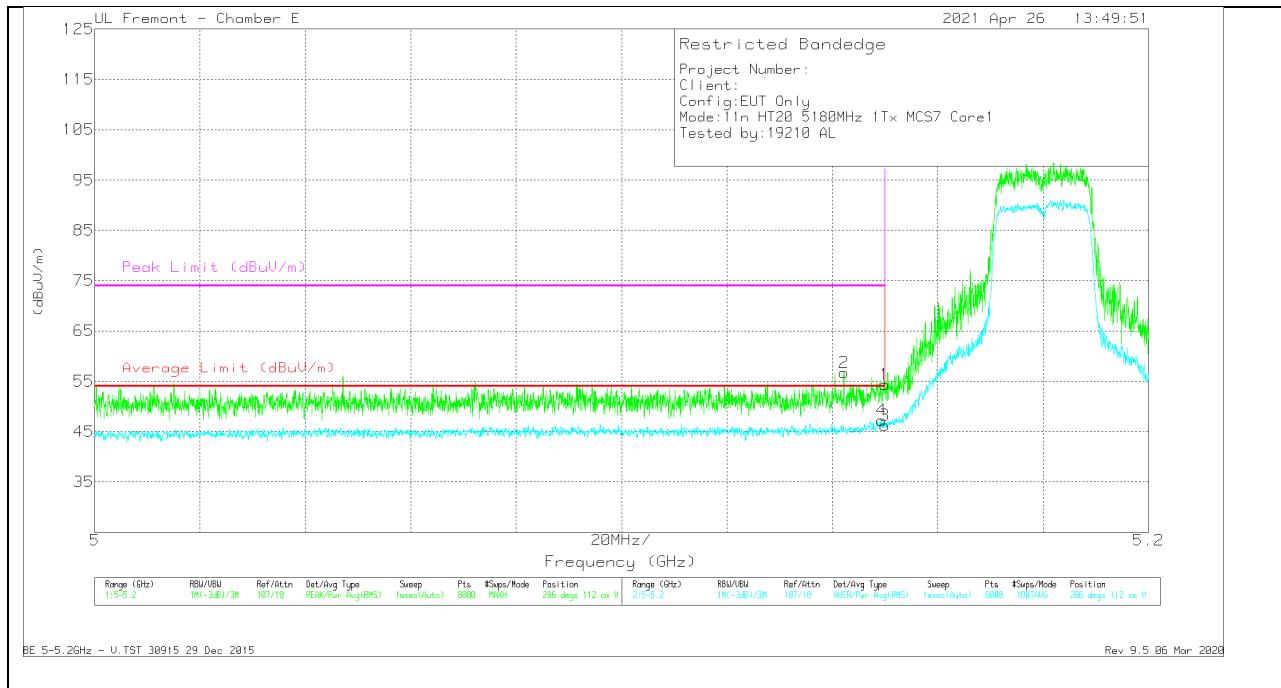
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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	41.31	Pk	34.3	-21.2	0	54.41	-	-	74	-19.59	286	112	V
2	* 5.14219	43.51	Pk	34.4	-21.2	0	56.71	-	-	74	-17.29	286	112	V
3	* 5.14999	32.76	RMS	34.3	-21.2	.37	46.23	54	-7.77	-	-	286	112	V
4	* 5.14934	33.81	RMS	34.3	-21.2	.37	47.28	54	-6.72	-	-	286	112	V

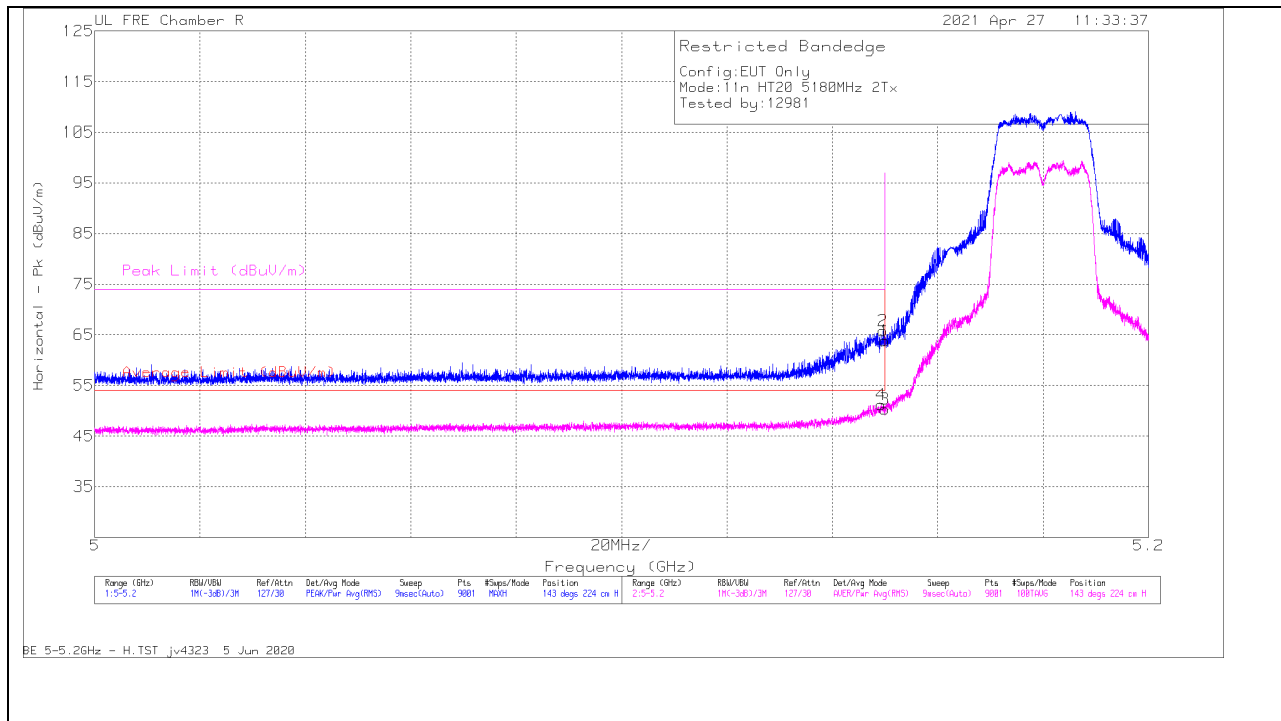
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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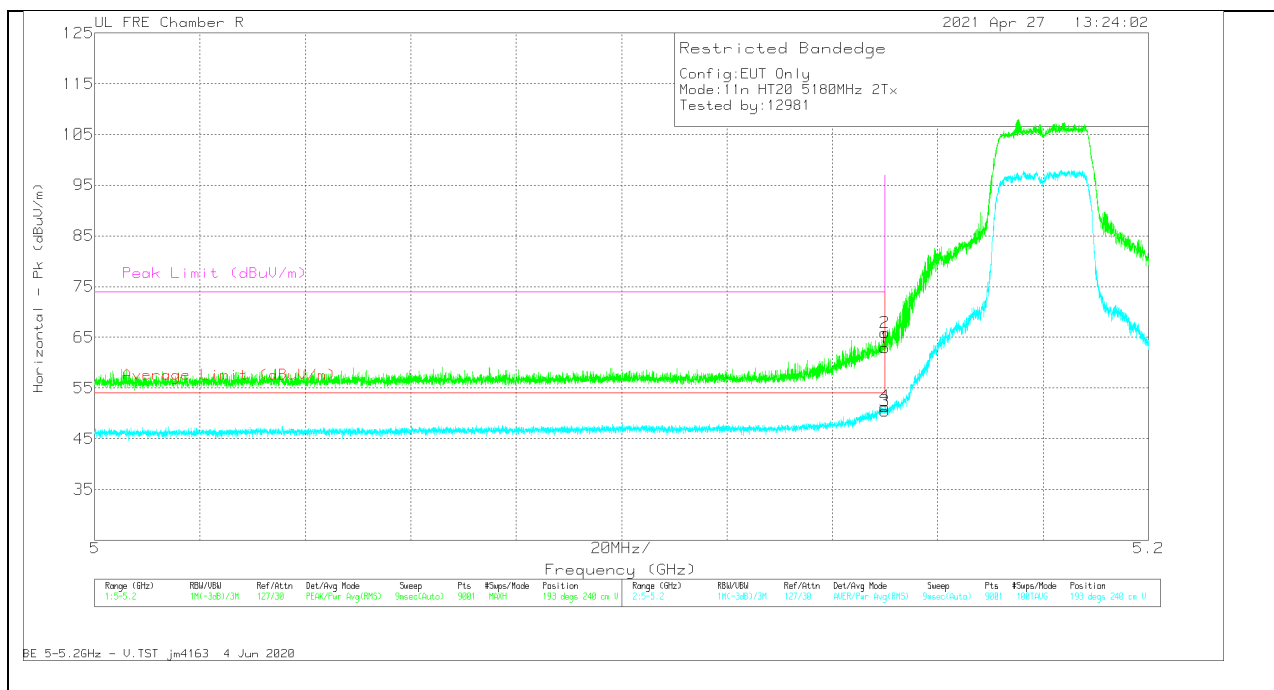
2TX ANT 6 + ANT 5 CDD MODE**BANDEGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3973 (dB/m)	Amp/Cbl /Filt/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	5.14922	48.1	RMS	34.3	-31.8	.61	51.21	54	-2.79	-	-	143	224	H
2	5.14964	63.25	Pk	34.3	-31.8	0	65.75	-	-	74	-8.25	143	224	H
1	5.15	61.34	Pk	34.3	-31.8	0	63.84	-	-	74	-10.16	143	224	H
3	5.15	47.19	RMS	34.3	-31.8	.61	50.3	54	-3.7	-	-	143	224	H

Pk - Peak detector

RMS - RMS detection

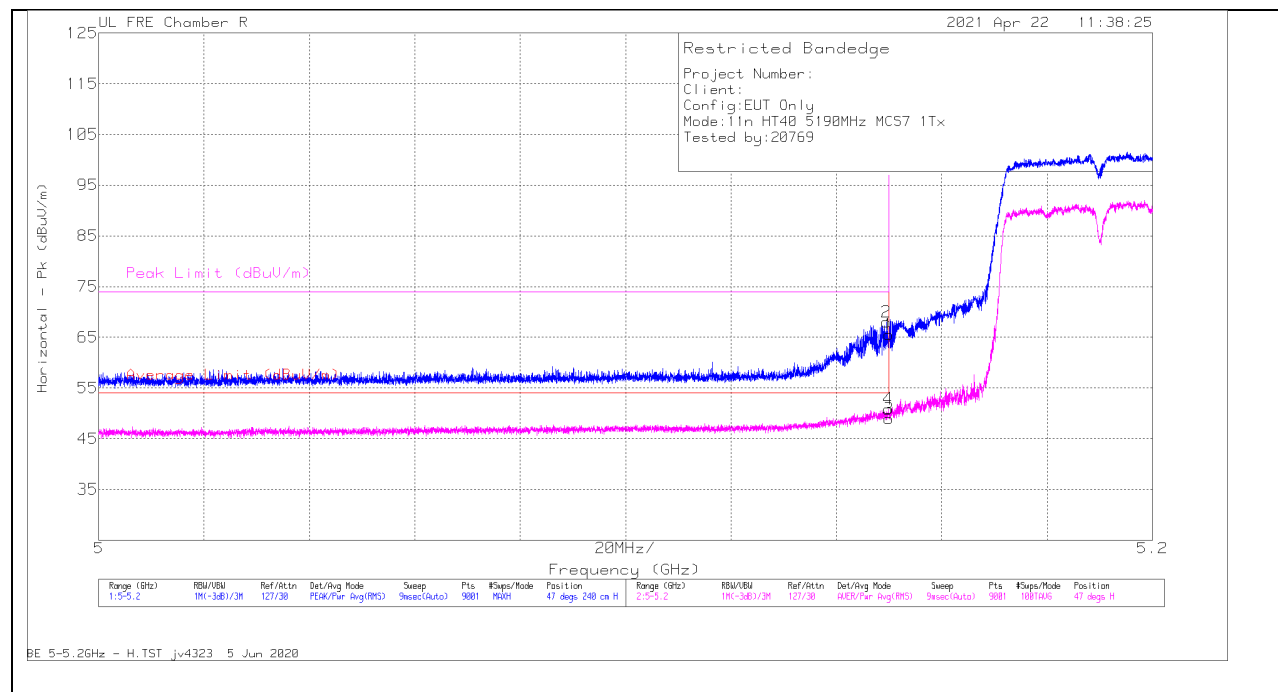
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3973 (dB/m)	Amp/Cbl /Filt/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	5.14995	63.37	Pk	34.3	-31.8	0	65.87	-	-	74	-8.13	193	240	V
4	5.14998	48.27	RMS	34.3	-31.8	.61	51.38	54	-2.62	-	-	193	240	V
1	5.15	60.42	Pk	34.3	-31.8	0	62.92	-	-	74	-11.08	193	240	V
3	5.15	47.29	RMS	34.3	-31.8	.61	50.4	54	-3.6	-	-	193	240	V

Pk - Peak detector

RMS - RMS detection

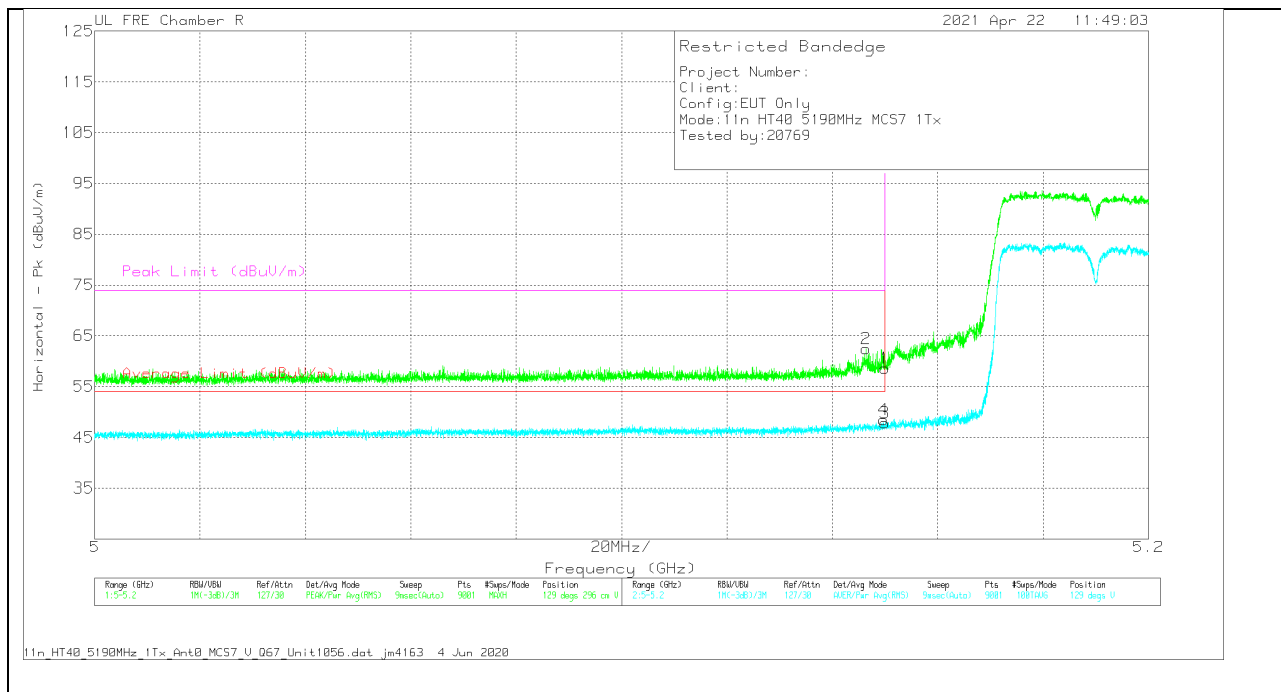
1.1.2. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND**1TX ANT 6****BANDEGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3973 (dB/m)	Amp/Cbl /Filt/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	5.14944	65.52	Pk	34.3	-31.8	0	68.02	-	-	74	-5.98	47	240	H
4	5.14984	47.73	RMS	34.3	-31.8	.62	50.85	54	-3.15	-	-	47	240	H
1	5.15	62.99	Pk	34.3	-31.8	0	65.49	-	-	74	-8.51	47	240	H
3	5.15	45.8	RMS	34.3	-31.8	.62	48.92	54	-5.08	-	-	47	240	H

Pk - Peak detector

RMS - RMS detection

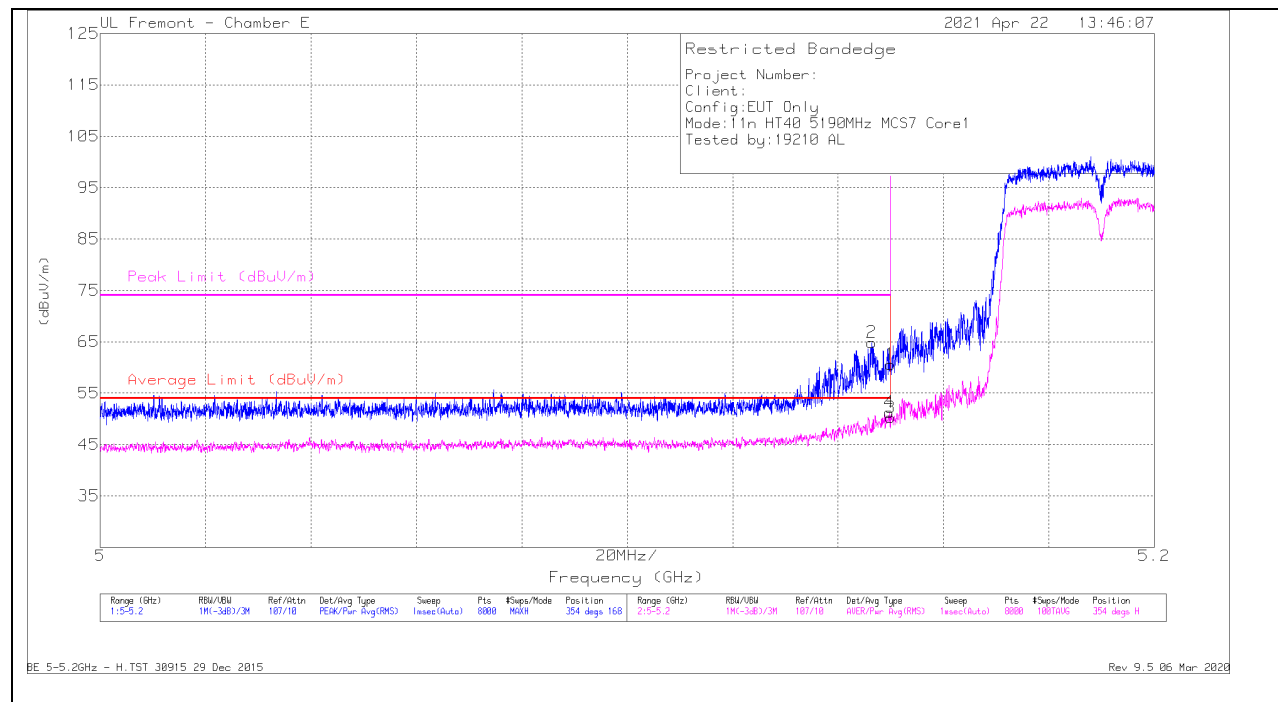
VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3973 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.1464	59.93	Pk	34.3	-31.8	0	62.43	-	-	74	-11.57	129	296	V
4	5.14969	45.36	RMS	34.3	-31.8	.62	48.48	54	-5.52	-	-	129	296	V
1	5.15	56.09	Pk	34.3	-31.8	0	58.59	-	-	74	-15.41	129	296	V
3	5.15	44.69	RMS	34.3	-31.8	.62	47.81	54	-6.19	-	-	129	296	V

Pk - Peak detector

RMS - RMS detection

1TX ANT 5**BANDEGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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
2	* 5.14637	51.78	Pk	34.3	-21.2	0	64.88	-	-	74	-9.12	354	168	H
4	* 5.14974	37.56	RMS	34.3	-21.2	.62	51.28	54	-2.72	-	-	354	168	H
1	* 5.14999	47.5	Pk	34.3	-21.2	0	60.6	-	-	74	-13.4	354	168	H
3	* 5.14999	36.55	RMS	34.3	-21.2	.62	50.27	54	-3.73	-	-	354	168	H

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

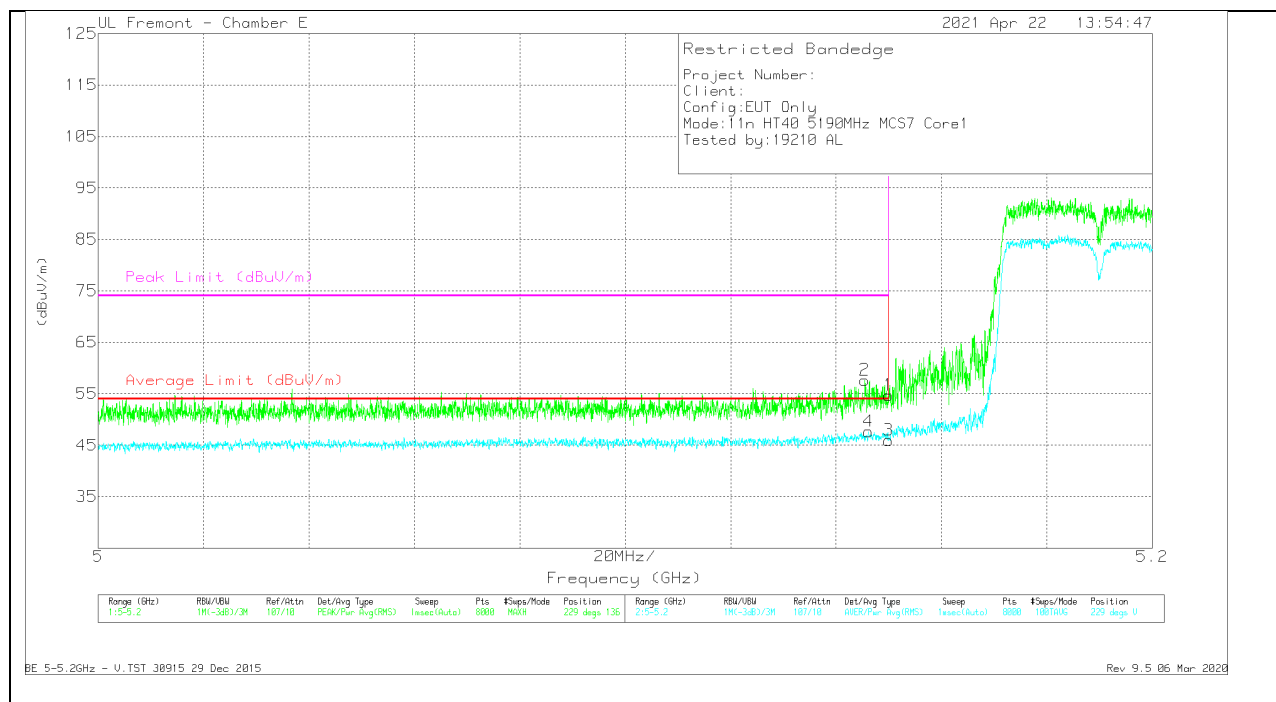
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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
2	* 5.14544	44.56	Pk	34.3	-21.2	0	57.66	-	-	74	-16.34	229	136	V
4	* 5.14614	33.93	RMS	34.3	-21.2	.62	47.65	54	-6.35	-	-	229	136	V
1	* 5.14999	41.63	Pk	34.3	-21.2	0	54.73	-	-	74	-19.27	229	136	V
3	* 5.14999	32.22	RMS	34.3	-21.2	.62	45.94	54	-8.06	-	-	229	136	V

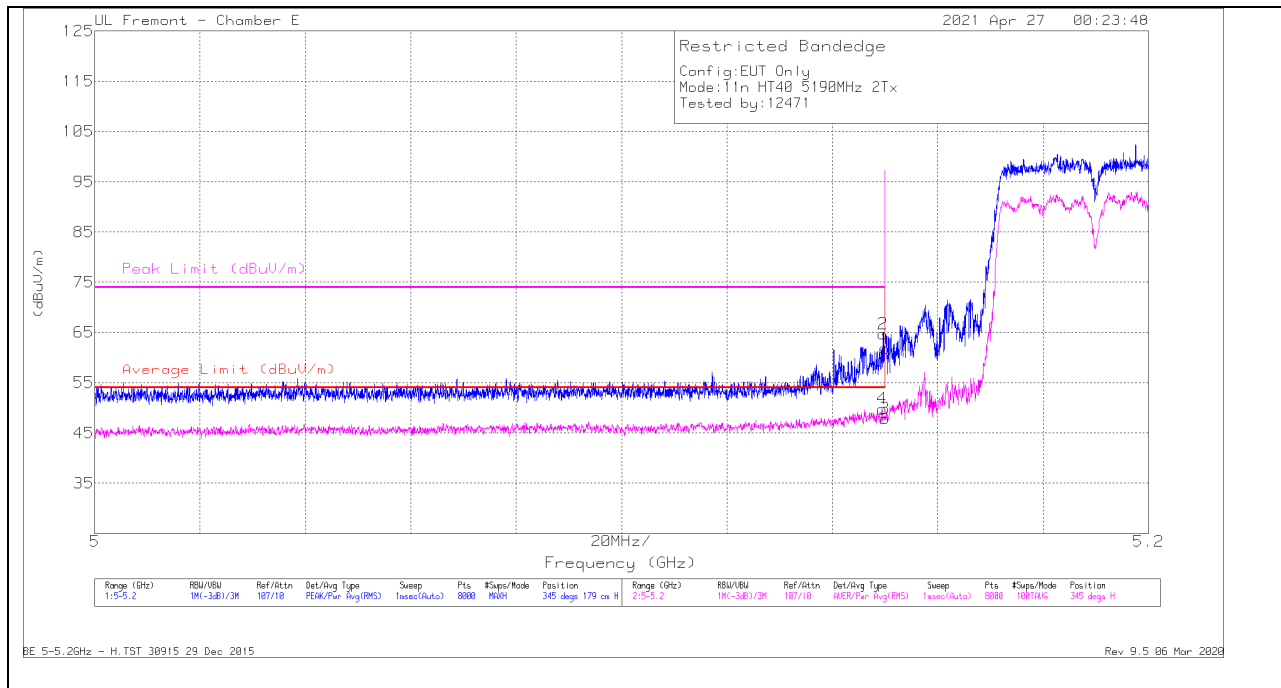
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

2TX ANT 6 + ANT 5 CDD MODE**BANDEGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (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
4	5.14944	35.84	RMS	34.3	-21.2	.63	49.57	54	-4.43	-	-	345	179	H
2	5.14964	51.6	Pk	34.3	-21.2	0	64.7	-	-	74	-9.3	345	179	H
1	5.14999	48.77	Pk	34.3	-21.2	0	61.87	-	-	74	-12.13	345	179	H
3	5.14999	33.96	RMS	34.3	-21.2	.63	47.69	54	-6.31	-	-	345	179	H

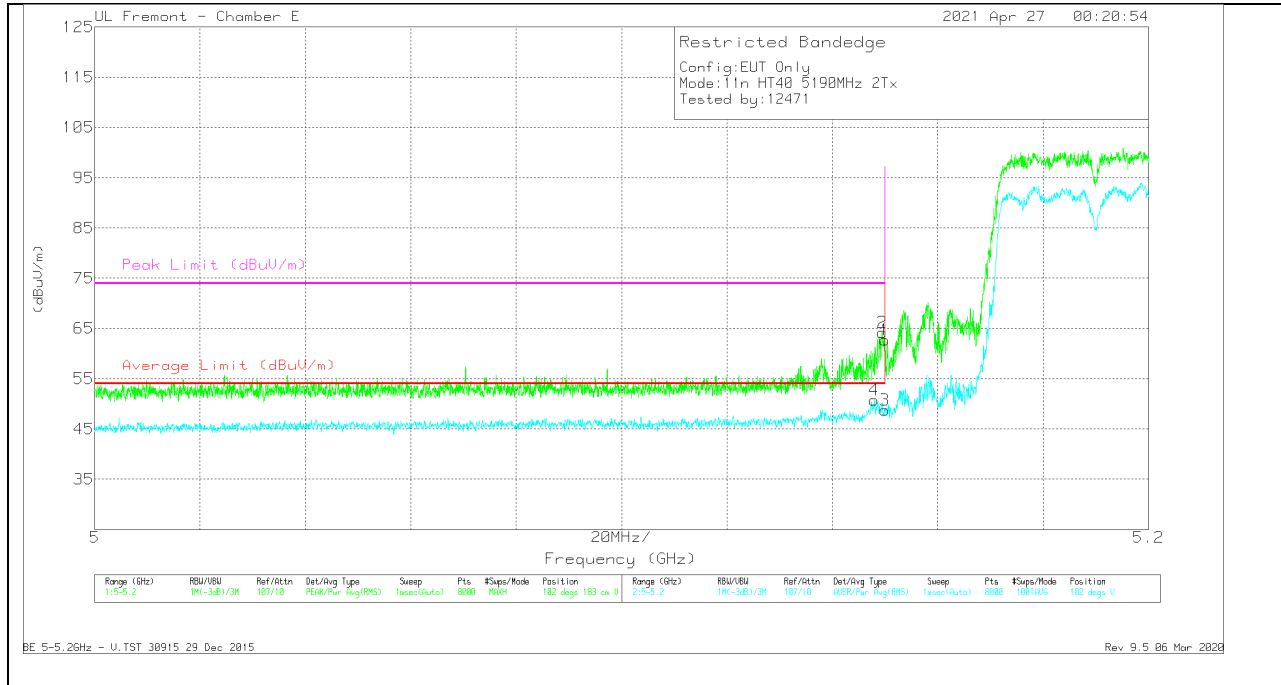
Pk - Peak detector

RMS - RMS detection

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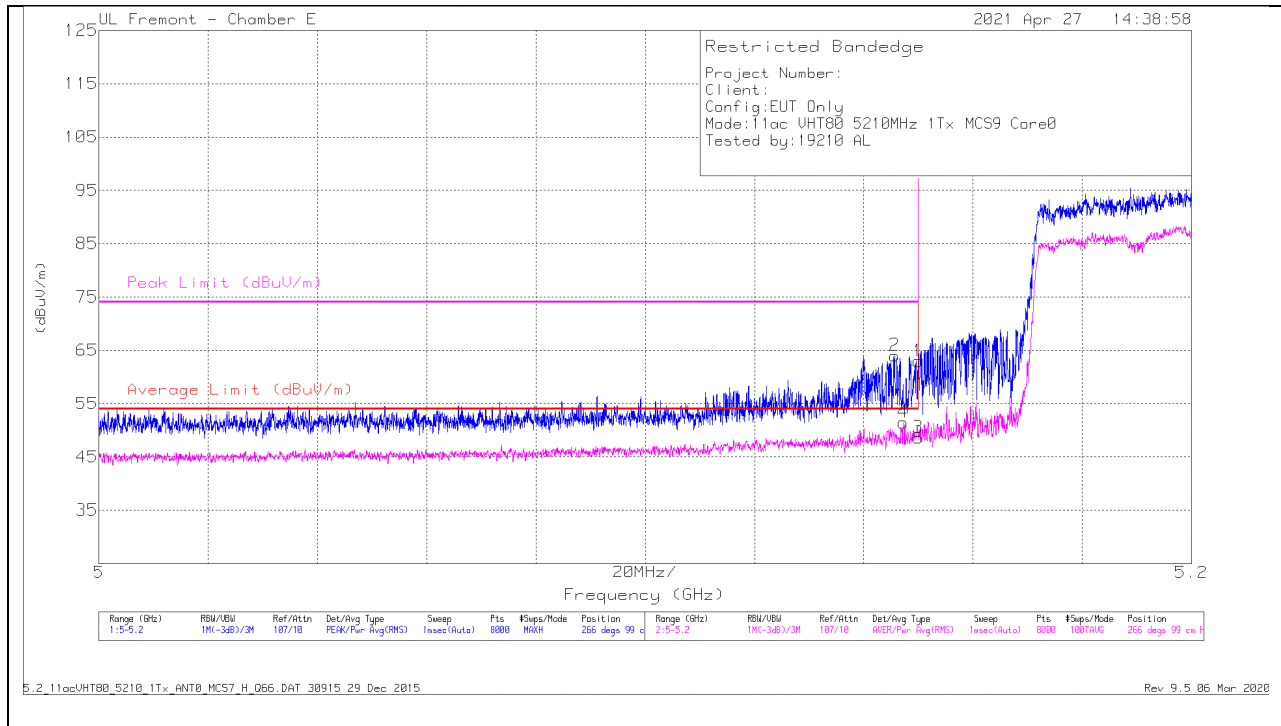
VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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
4	5.14799	36.76	RMS	34.3	-21.2	.63	50.49	54	-3.51	-	-	102	183	V
2	5.14944	51.09	Pk	34.3	-21.2	0	64.19	-	-	74	-9.81	102	183	V
1	5.14999	49.61	Pk	34.3	-21.2	0	62.71	-	-	74	-11.29	102	183	V
3	5.14999	34.83	RMS	34.3	-21.2	.63	48.56	54	-5.44	-	-	102	183	V

Pk - Peak detector
RMS - RMS detection

BE 5-5.2GHz - V.TST 30915 29 Dec 2015
Rev 9.5 06 Mar 2020

1.1.3. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND**1TX ANT 6****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cbl /Ftr/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	* 5.14567	50.9	Pk	34.3	-21.2	0	64	-	-	74	-10	266	99	H
4	* 5.14722	37.4	RMS	34.3	-21.2	1.06	51.56	54	-2.44	-	-	266	99	H
1	* 5.14999	49.85	Pk	34.3	-21.2	0	62.95	-	-	74	-11.05	266	99	H
3	* 5.14999	34.55	RMS	34.3	-21.2	1.06	48.71	54	-5.29	-	-	266	99	H

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

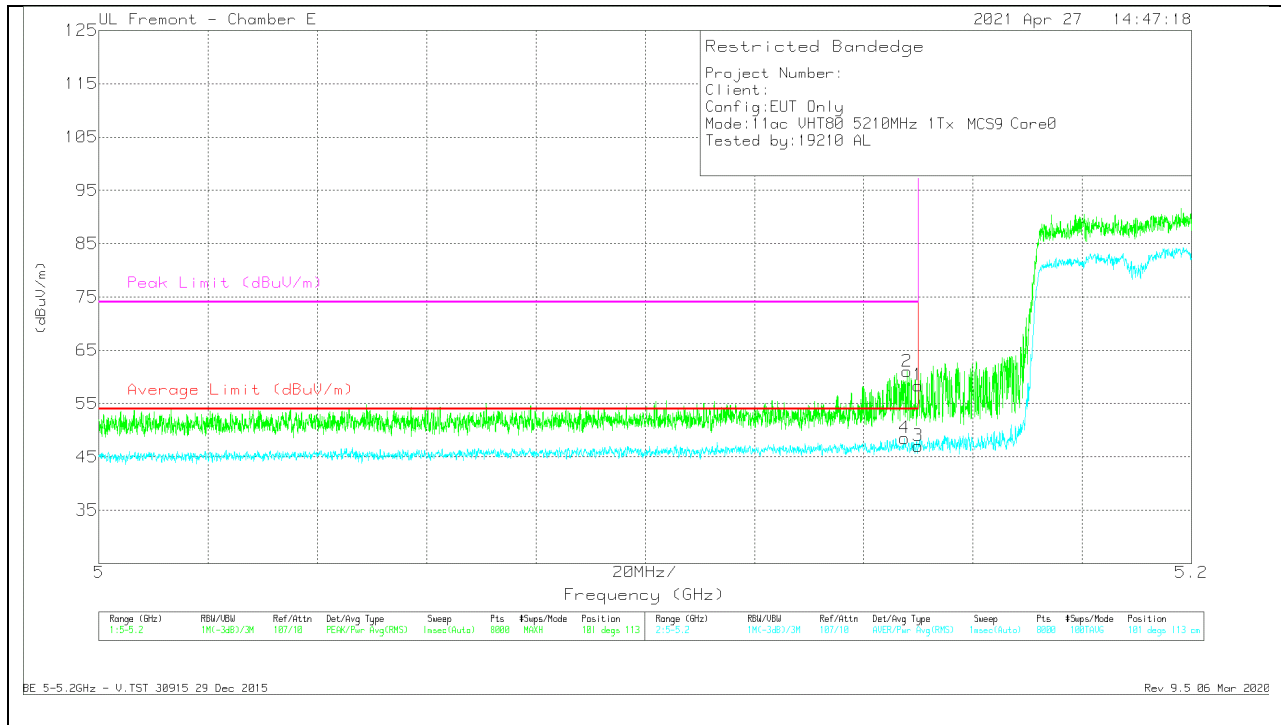
Pk - Peak detector

RMS - RMS detection

5.2_11acVHT80_5210_1Tx_ANT0_MCS7_H_Q66.DAT 30915 29 Dec 2015

Rev 9.5 06 Mar 2020

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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	45.31	Pk	34.3	-21.2	0	58.41	-	-	74	-15.59	101	113	V
2	* 5.14794	47.94	Pk	34.3	-21.2	0	61.04	-	-	74	-12.96	101	113	V
3	* 5.14999	33.02	RMS	34.3	-21.2	1.06	47.18	54	-6.82	-	-	101	113	V
4	* 5.14744	34.47	RMS	34.3	-21.2	1.06	48.63	54	-5.37	-	-	101	113	V

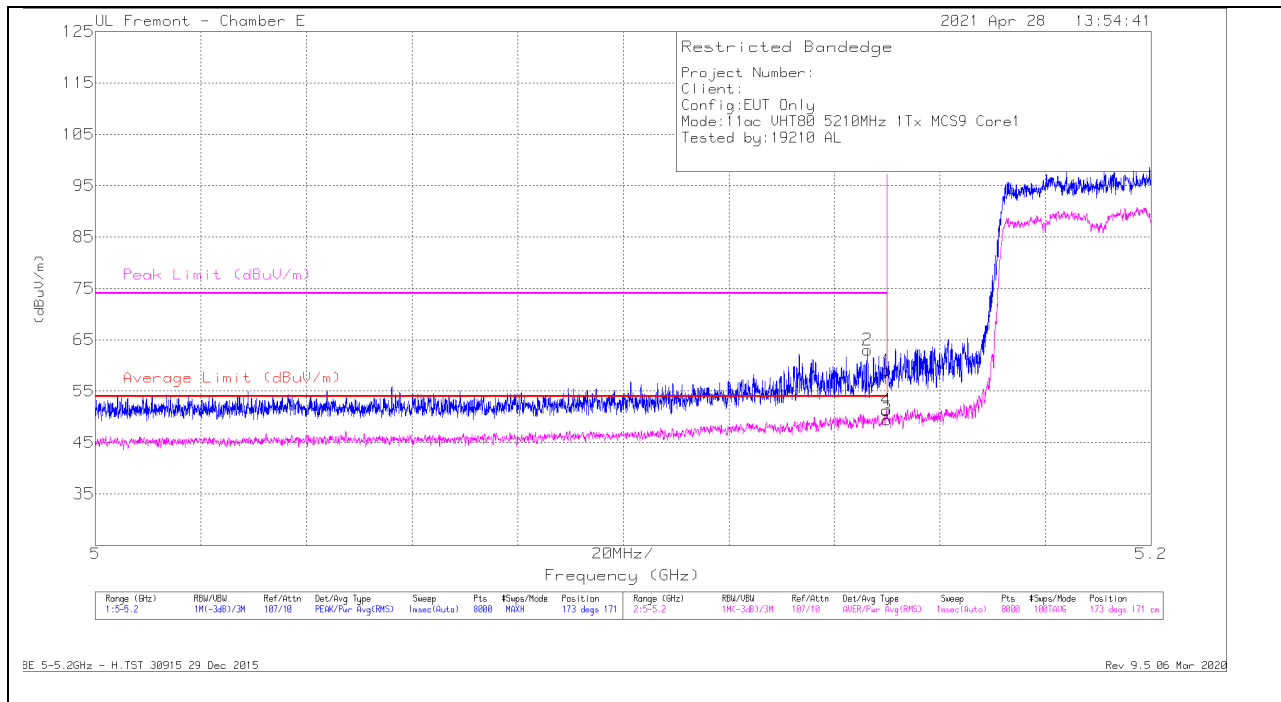
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

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1TX ANT 5**BANDEGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (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	45.93	Pk	34.3	-21.2	0	59.03	-	-	74	-14.97	173	171	H
2	* 5.14627	49.94	Pk	34.3	-21.2	0	63.04	-	-	74	-10.96	173	171	H
3	* 5.14999	35.28	RMS	34.3	-21.2	1.06	49.44	54	-4.56	-	-	173	171	H
4	* 5.14967	37.12	RMS	34.3	-21.2	1.06	51.28	54	-2.72	-	-	173	171	H

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

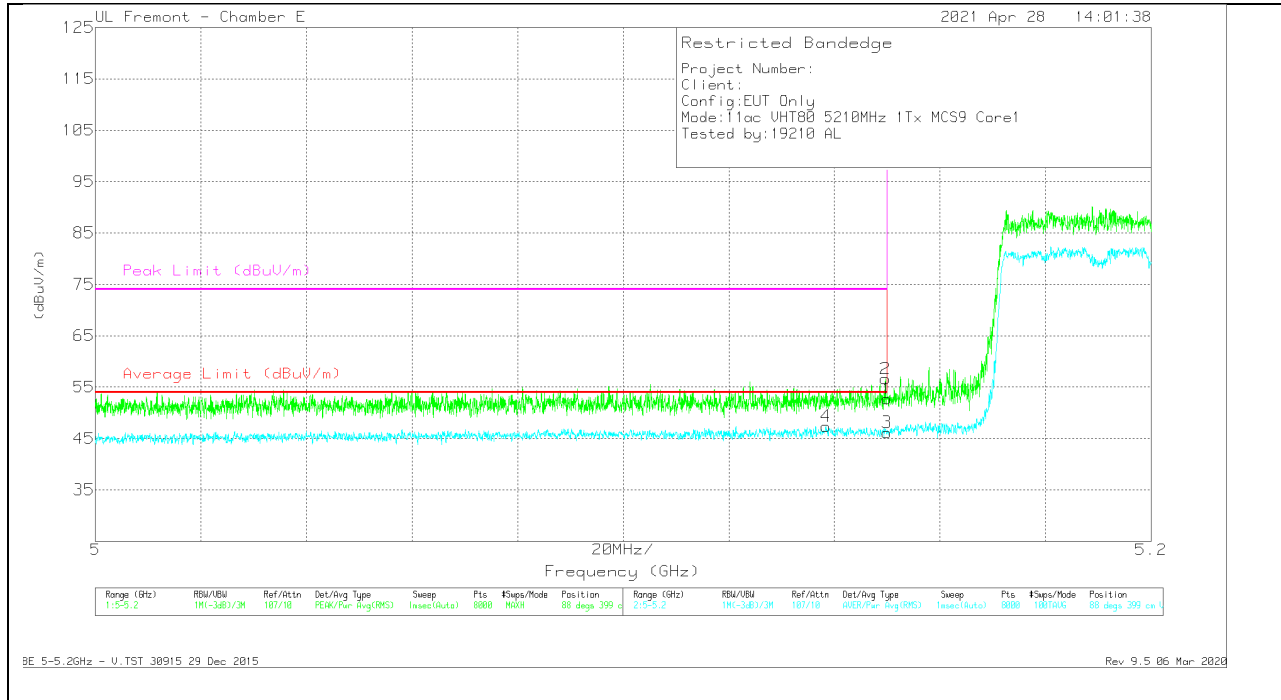
PK - Peak detector

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 PRE007 8107 (dB/m)	Amp/Cb I/Filt/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	39.6	Pk	34.3	-21.2	0	52.7	-	-	74	-21.3	88	399	V
2	* 5.14967	43.54	Pk	34.3	-21.2	0	56.64	-	-	74	-17.36	88	399	V
3	* 5.14999	31.98	RMS	34.3	-21.2	1.06	46.14	54	-7.86	-	-	88	399	V
4	* 5.13837	32.99	RMS	34.4	-21.1	1.06	47.35	54	-6.65	-	-	88	399	V

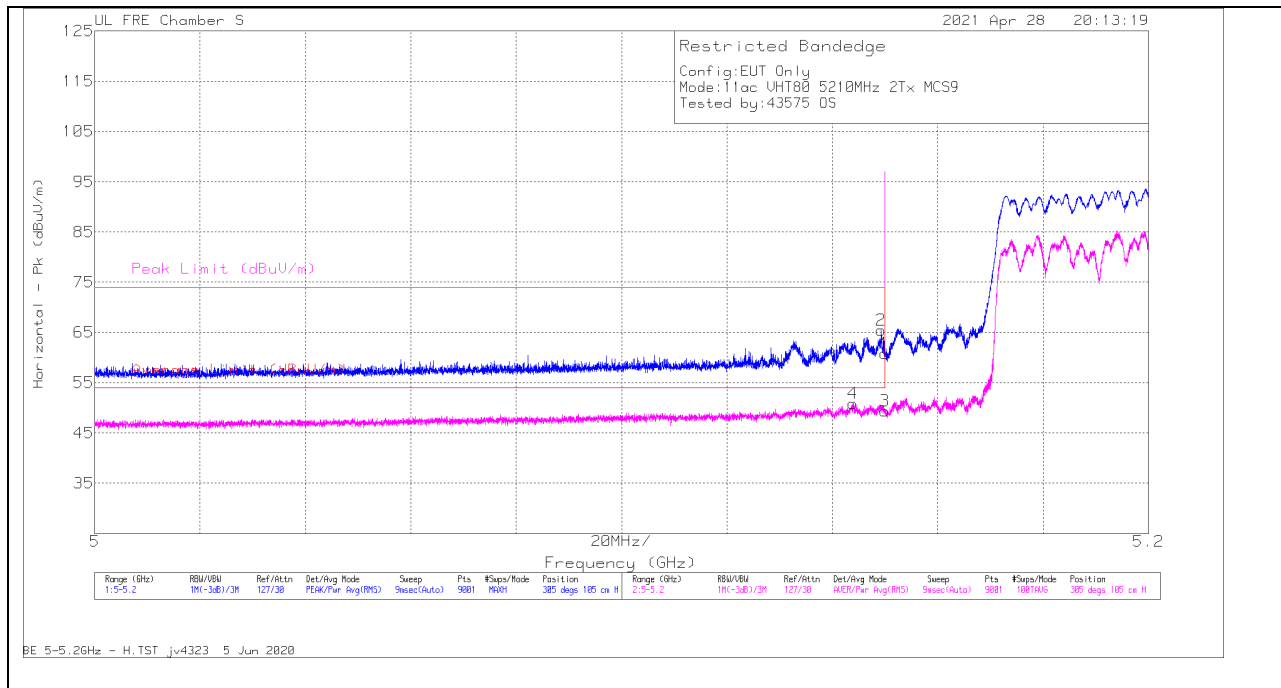
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

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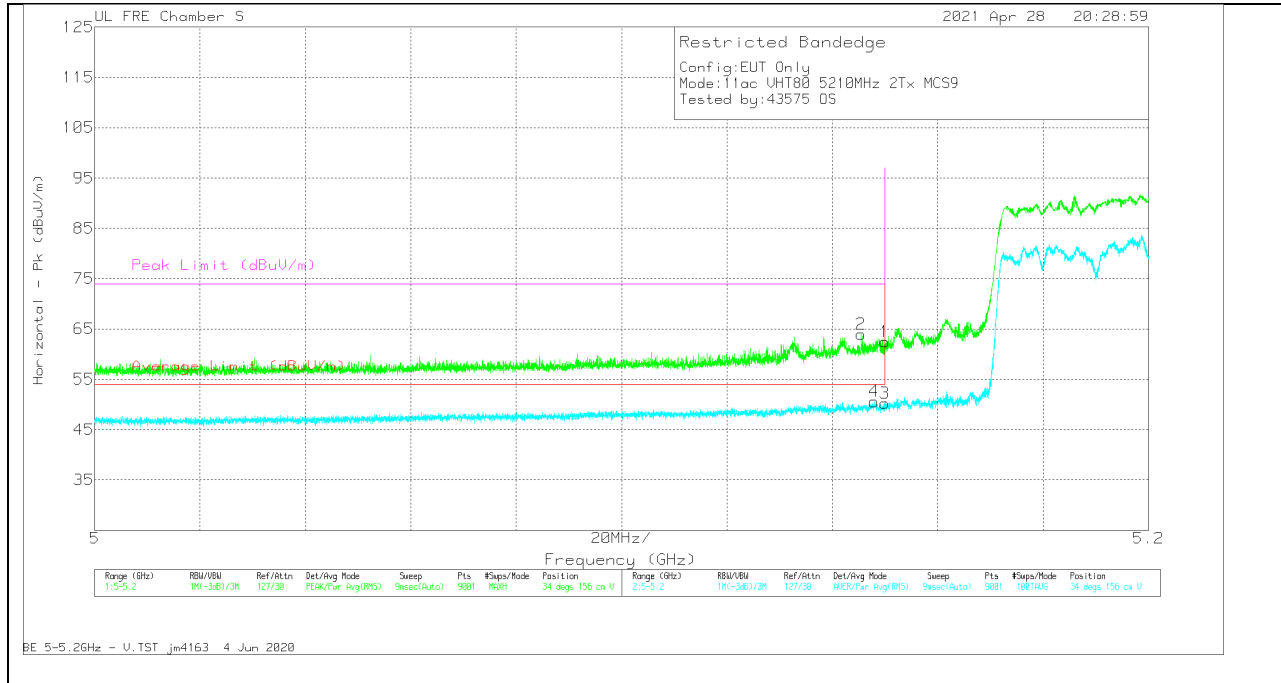
2TX ANT 6 + ANT 5 CDD MODE**BANEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3833 (dB/m)	Amp/Cbl /Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polanty
4	5.14395	46.72	RMS	34.5	-31.4	1.24	51.06	54	-2.94	-	-	305	105	H
2	5.14927	62.36	Pk	34.5	-31.4	0	65.46	-	-	74	-8.54	305	105	H
1	5.15	57.77	Pk	34.5	-31.4	0	60.87	-	-	74	-13.13	305	105	H
3	5.15	45.24	RMS	34.5	-31.4	1.24	49.58	54	-4.42	-	-	305	105	H

Pk - Peak detector

RMS - RMS detection

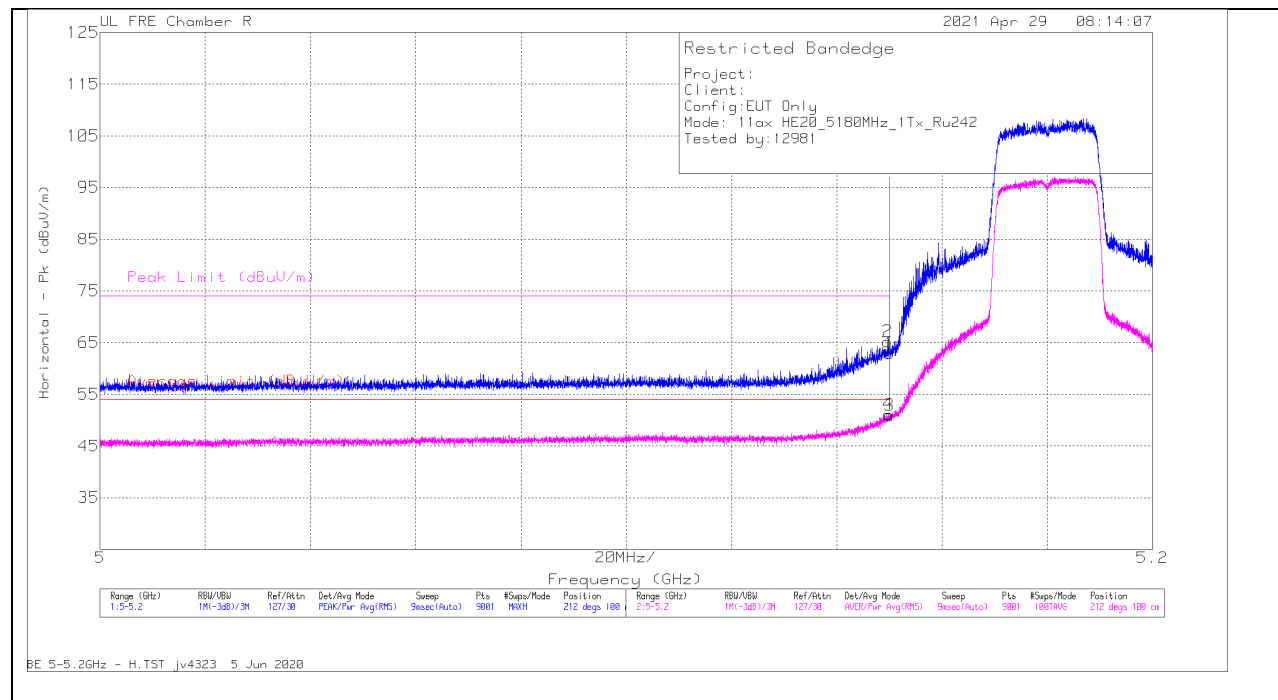
VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3833 (dB/m)	Amp/Cbl /Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.14542	60.82	Pk	34.5	-31.4	0	63.92	-	-	74	-10.08	34	156	V
4	5.14789	46.4	RMS	34.5	-31.4	1.24	50.74	54	-3.26	-	-	34	156	V
1	5.15	59.36	Pk	34.5	-31.4	0	62.46	-	-	74	-11.54	34	156	V
3	5.15	46.06	RMS	34.5	-31.4	1.24	50.40	54	-3.60	-	-	34	156	V

Pk - Peak detector

RMS - RMS detection

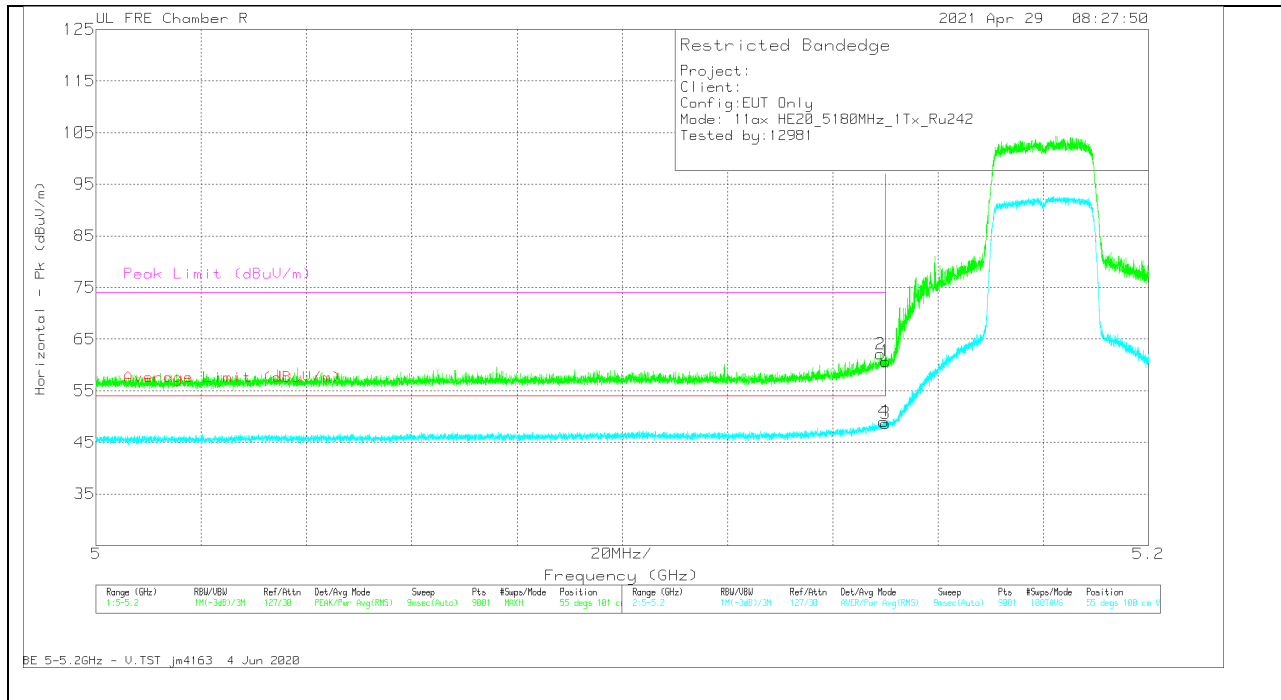
1.1.4. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.2 GHz BAND**1TX ANT 6 – 242 Tones, RU Index 61****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02139 73 (dB/m)	Amp/Cbl/F ltr/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	5.14971	62.7	Pk	34.3	-31.8	65.2	-	-	74	-8.8	212	100	H
4	5.14978	48.64	RMS	34.3	-31.8	51.14	54	-2.86	-	-	212	100	H
1	5.15	60.37	Pk	34.3	-31.8	62.87	-	-	74	-11.13	212	100	H
3	5.15	48.43	RMS	34.3	-31.8	50.93	54	-3.07	-	-	212	100	H

Pk - Peak detector

RMS - RMS detection

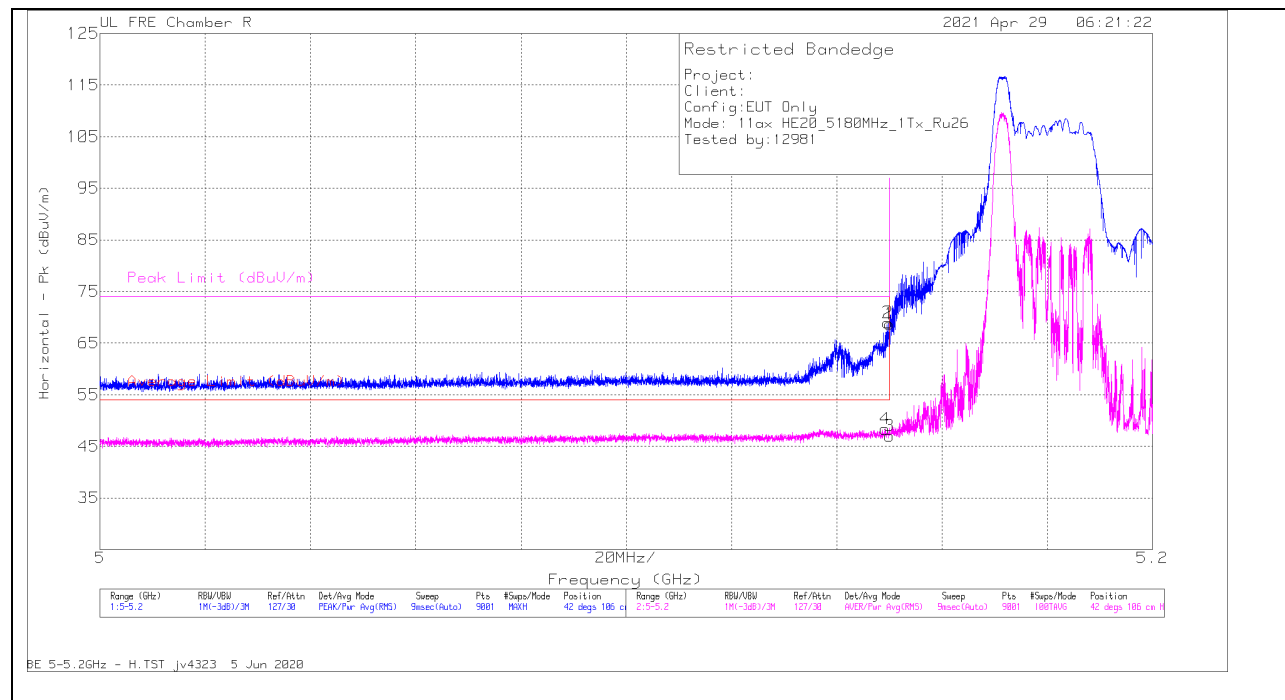
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02139 73 (dB/m)	Amp/Cbl/F ltr/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	5.14911	59.62	Pk	34.3	-31.8	62.12	-	-	74	-11.88	55	101	V
4	5.14973	46.58	RMS	34.3	-31.8	49.08	54	-4.92	-	-	55	100	V
1	5.15	58.23	Pk	34.3	-31.8	60.73	-	-	74	-13.27	55	101	V
3	5.15	46.17	RMS	34.3	-31.8	48.67	54	-5.33	-	-	55	100	V

Pk - Peak detector

RMS - RMS detection

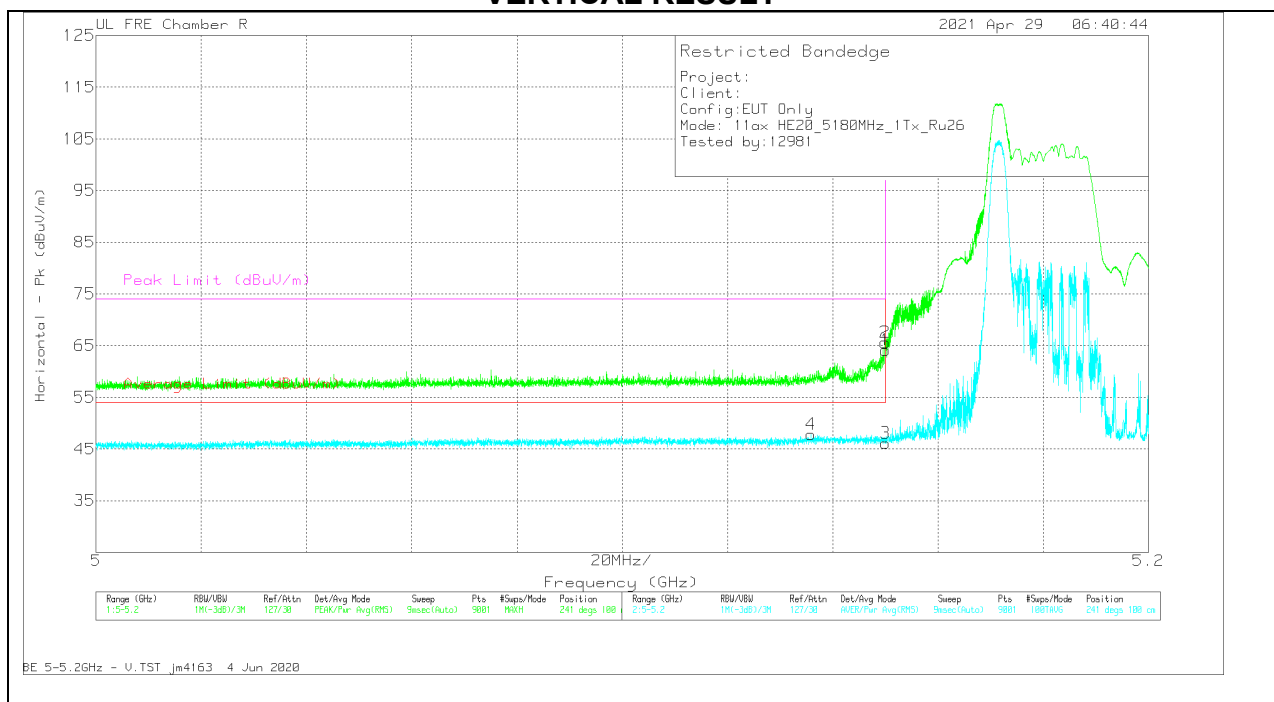
1TX ANT 6 – 26 Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02139 73 (dB/m)	Amp/Cbl/F ltr/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	5.14922	45.87	RMS	34.3	-31.8	48.37	54	-5.63	-	-	42	106	H
2	5.14973	66.44	Pk	34.3	-31.8	68.94	-	-	74	-5.06	42	106	H
1	5.15	66.2	Pk	34.3	-31.8	68.7	-	-	74	-5.3	42	106	H
3	5.15	44.54	RMS	34.3	-31.8	47.04	54	-6.96	-	-	42	106	H

Pk - Peak detector

RMS - RMS detection

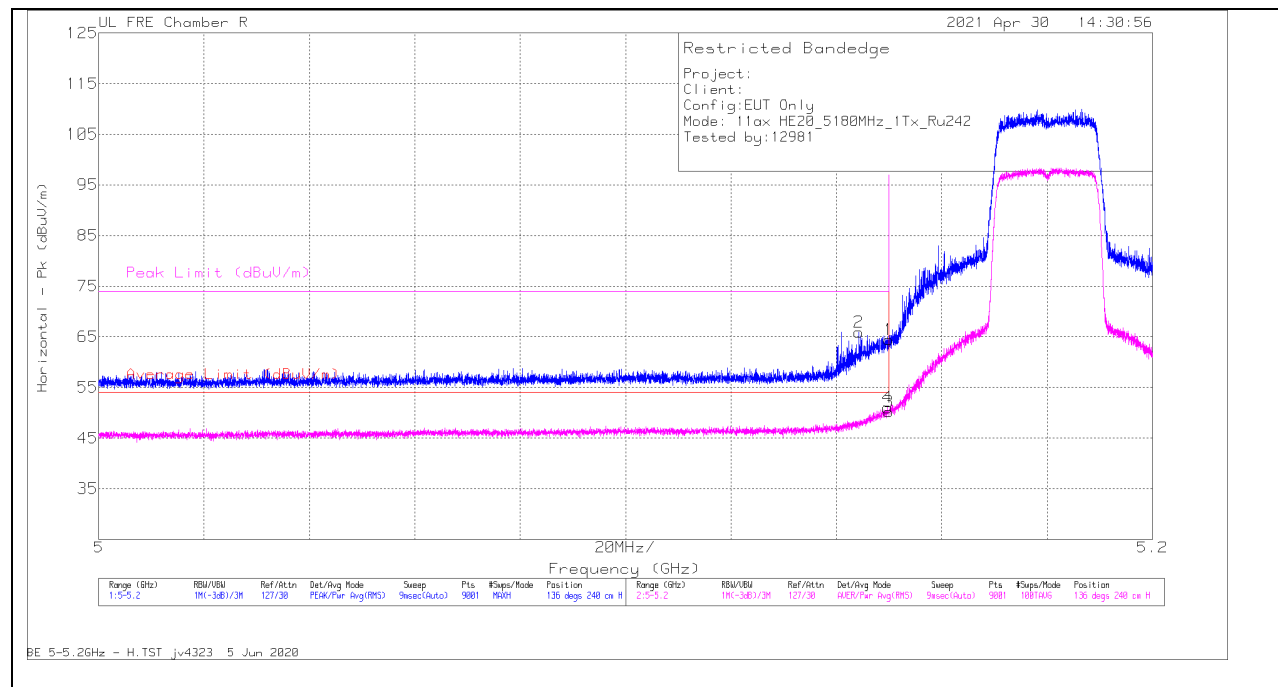
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02139 73 (dB/m)	Amp/Cbl/F ltr/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	5.13589	45.33	RMS	34.3	-31.8	47.83	54	-6.17	-	-	241	100	V
2	5.14995	63.1	Pk	34.3	-31.8	65.6	-	-	74	-8.4	241	100	V
1	5.15	61.65	Pk	34.3	-31.8	64.15	-	-	74	-9.85	241	100	V
3	5.15	43.61	RMS	34.3	-31.8	46.11	54	-7.89	-	-	241	100	V

Pk - Peak detector

RMS - RMS detection

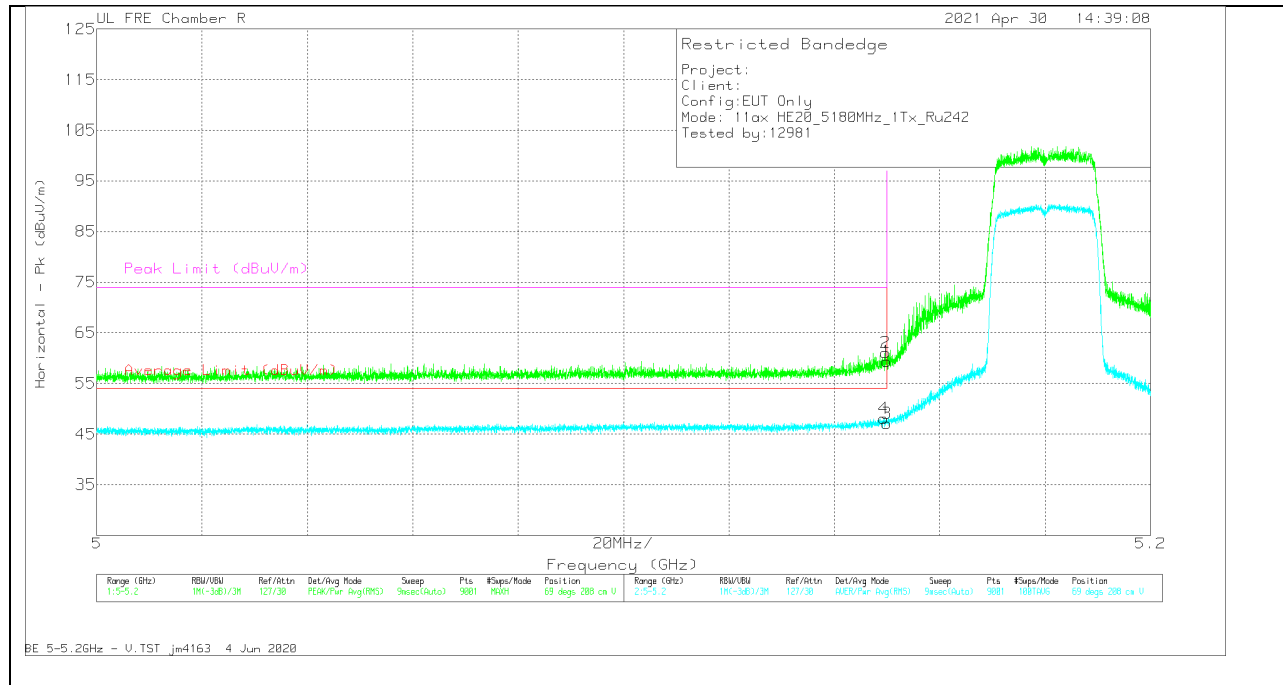
1TX ANT 5 – 242 Tones, RU Index 61**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213973 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.14424	63.32	Pk	34.3	-31.7	65.92	-	-	74	-8.08	136	240	H
4	5.14975	48.51	RMS	34.3	-31.8	51.01	54	-2.99	-	-	136	240	H
1	5.15	61.88	Pk	34.3	-31.8	64.38	-	-	74	-9.62	136	240	H
3	5.15	47.66	RMS	34.3	-31.8	50.16	54	-3.84	-	-	136	240	H

Pk - Peak detector

RMS - RMS detection

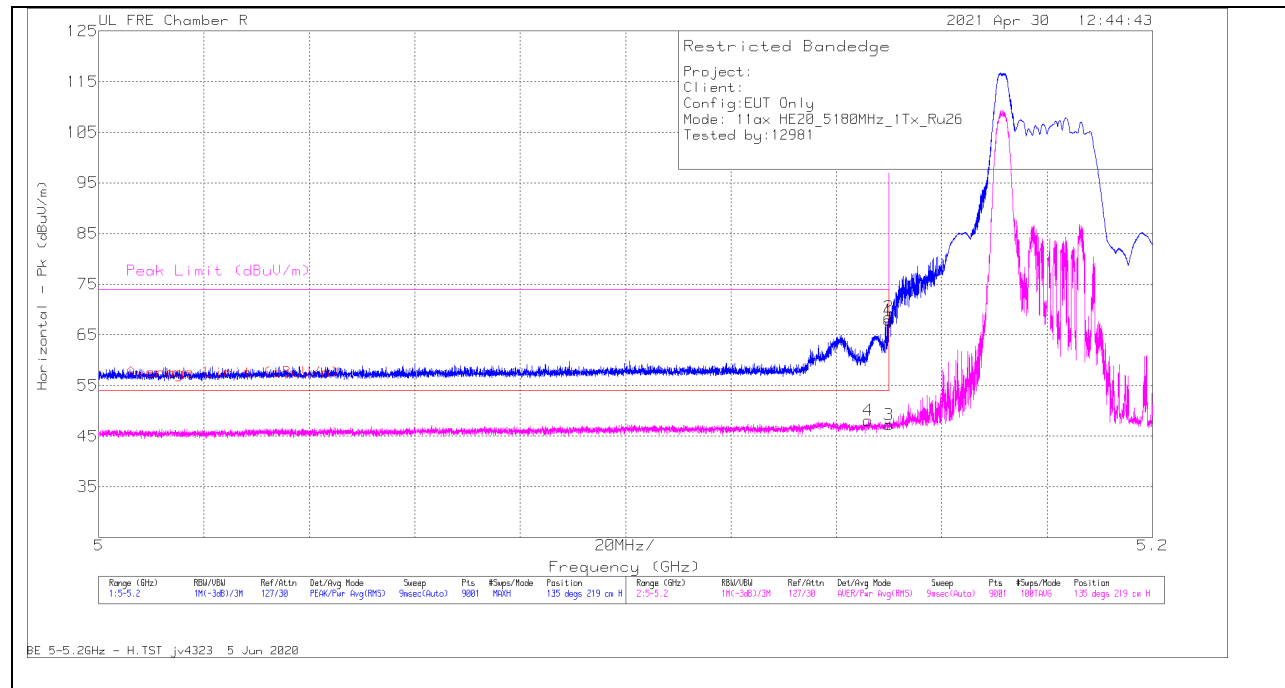
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213973 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.14933	45.65	RMS	34.3	-31.8	48.15	54	-5.85	-	-	69	208	V
2	5.14971	58.63	Pk	34.3	-31.8	61.13	-	-	74	-12.87	69	208	V
1	5.15	56.9	Pk	34.3	-31.8	59.4	-	-	74	-14.6	69	208	V
3	5.15	44.62	RMS	34.3	-31.8	47.12	54	-6.88	-	-	69	208	V

Pk - Peak detector

RMS - RMS detection

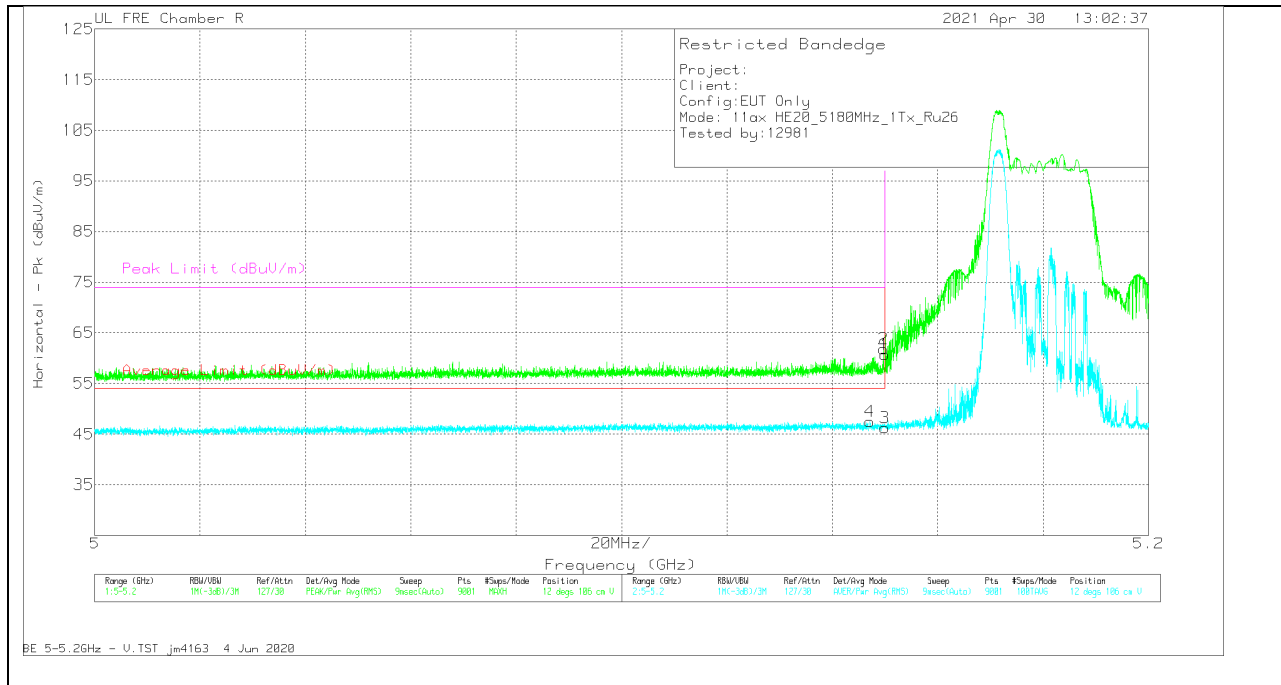
1TX ANT 5 – 26 Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213973 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.14604	45.45	RMS	34.3	-31.7	48.05	54	-5.95	-	-	135	219	H
2	5.14998	66.04	Pk	34.3	-31.8	68.54	-	-	74	-5.46	135	219	H
1	5.15	65.34	Pk	34.3	-31.8	67.84	-	-	74	-6.16	135	219	H
3	5.15	44.68	RMS	34.3	-31.8	47.18	54	-6.82	-	-	135	219	H

Pk - Peak detector

RMS - RMS detection

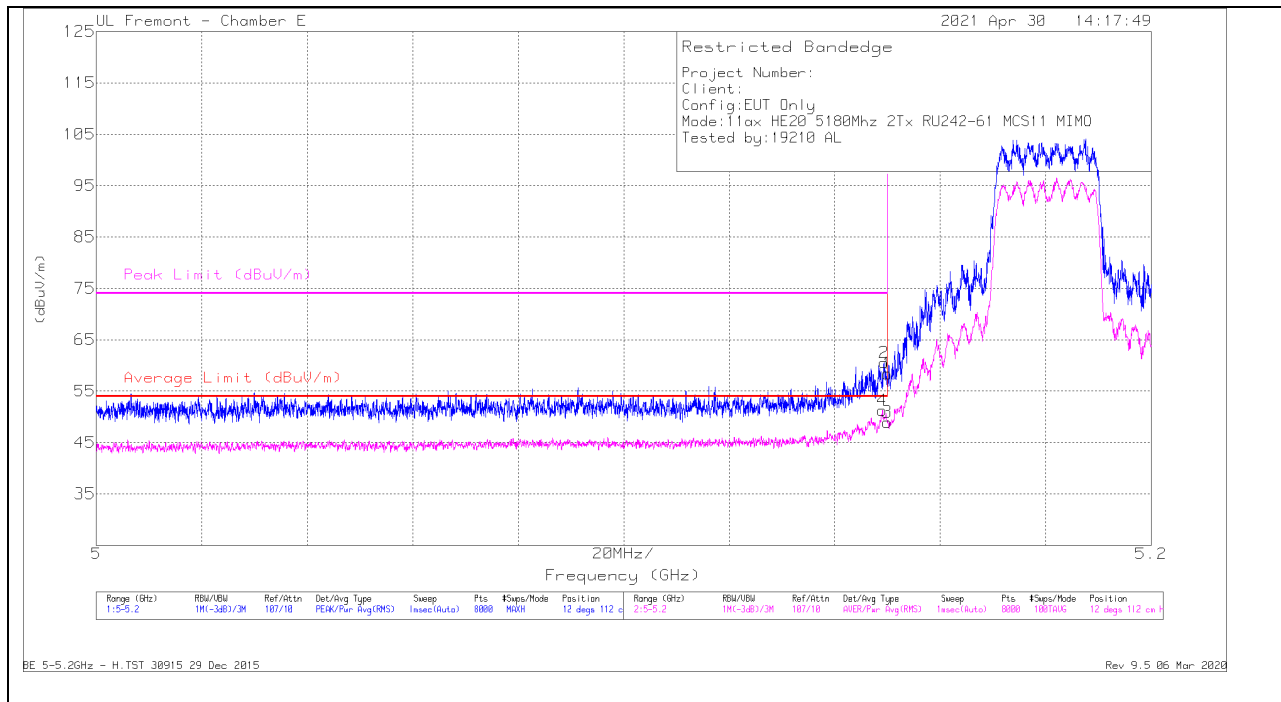
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213973 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.14709	44.97	RMS	34.3	-31.8	47.47	54	-6.53	-	-	12	106	V
2	5.14969	59.31	Pk	34.3	-31.8	61.81	-	-	74	-12.19	12	106	V
1	5.15	58.2	Pk	34.3	-31.8	60.7	-	-	74	-13.3	12	106	V
3	5.15	43.73	RMS	34.3	-31.8	46.23	54	-7.77	-	-	12	106	V

Pk - Peak detector

RMS - RMS detection

2TX ANT 6 + ANT 5 OFDMA MODE – 242 Tones, RU Index 61**BANDEGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078107 (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	45.32	Pk	34.3	-21.2	58.42	-	-	74	-15.58	12	112	H
2	* 5.14932	47.44	Pk	34.3	-21.2	60.54	-	-	74	-13.46	12	112	H
3	* 5.14999	35.87	RMS	34.3	-21.2	48.97	54	-5.03	-	-	12	112	H
4	* 5.14904	38.15	RMS	34.3	-21.2	51.25	54	-2.75	-	-	12	112	H

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

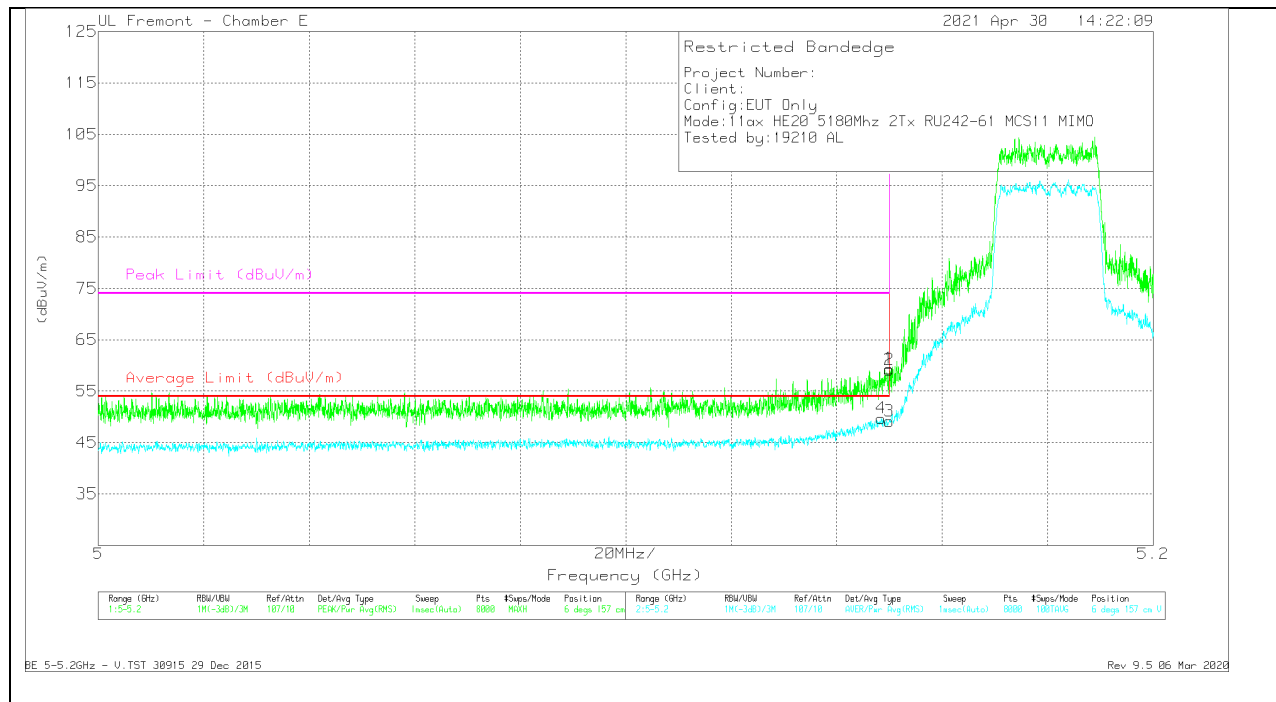
Pk - Peak detector

RMS - RMS detection

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078107 (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
4	* 5.14844	36.63	RMS	34.3	-21.2	49.73	54	-4.27	-	-	6	157	V
2	* 5.14997	46.06	Pk	34.3	-21.2	59.16	-	-	74	-14.84	6	157	V
1	* 5.14999	46.29	Pk	34.3	-21.2	59.39	-	-	74	-14.61	6	157	V
3	* 5.14999	36.03	RMS	34.3	-21.2	49.13	54	-4.87	-	-	6	157	V

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

Pk - Peak detector

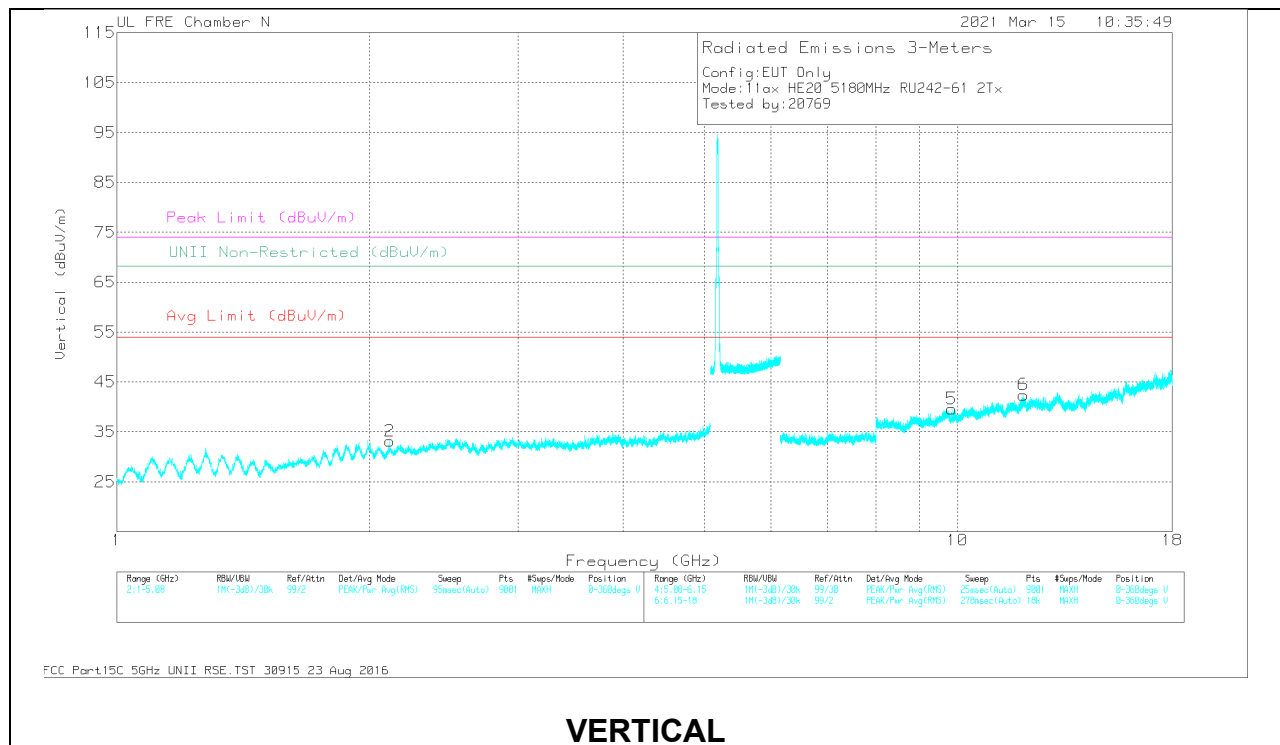
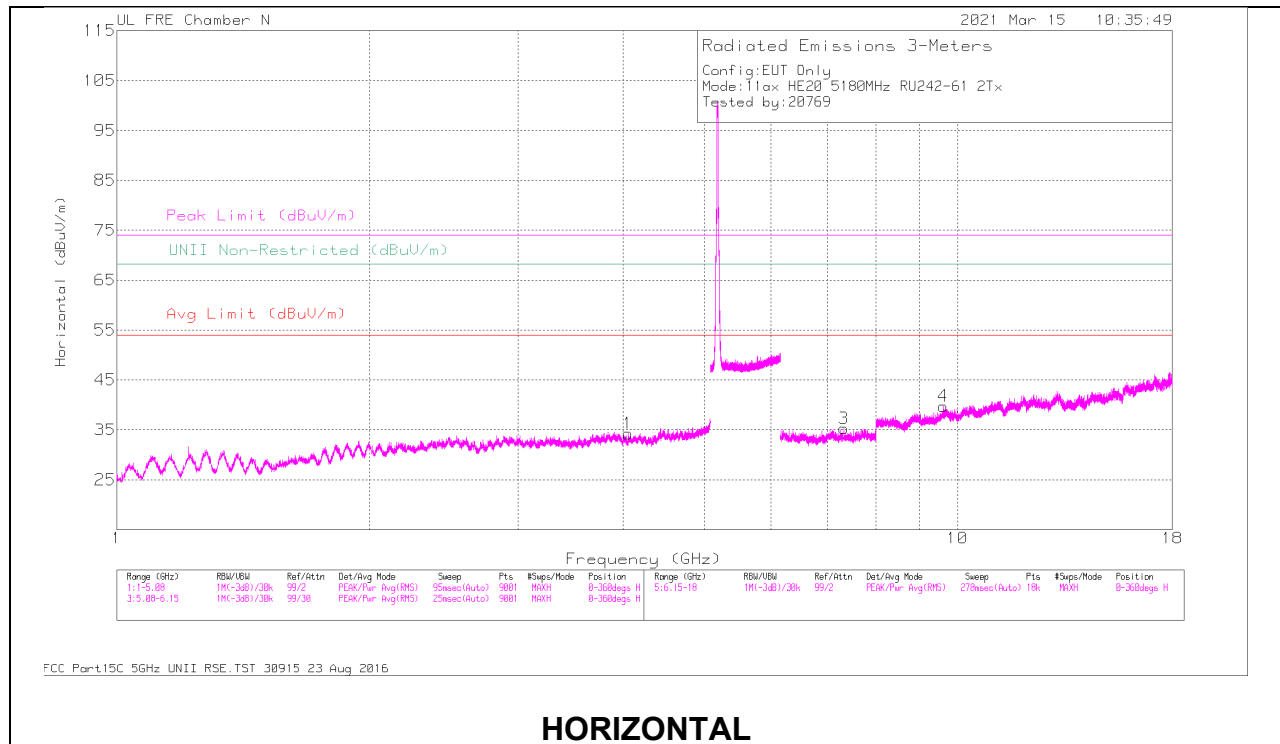
RMS - RMS detection

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

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 4.05864	52.64	PK-U	33.5	-43.2	42.94	-	-	74	-31.06	-	-	157	180	H
	* 4.06063	41.34	ADR	33.5	-43.2	31.64	54	-22.36	-	-	-	-	157	180	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	2.11476	56.87	PK-U	31.1	-46.4	41.57	-	-	-	-	68.2	-26.63	346	293	V
	2.11244	45.72	ADR	31.1	-46.4	30.42	-	-	-	-	-	-	346	293	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	* 7.32179	51.05	PK-U	35.7	-40.3	46.45	-	-	74	-27.55	-	-	327	369	H
	* 7.32125	39.2	ADR	35.7	-40.3	34.6	54	-19.4	-	-	-	-	327	369	H
4	9.6174	51.81	PK-U	36.9	-39.8	48.91	-	-	-	-	68.2	-19.29	144	266	H
	9.6176	39.85	ADR	36.9	-39.8	36.95	-	-	-	-	-	-	144	266	H

Range 6: Vertical 6150 - 18000MHz

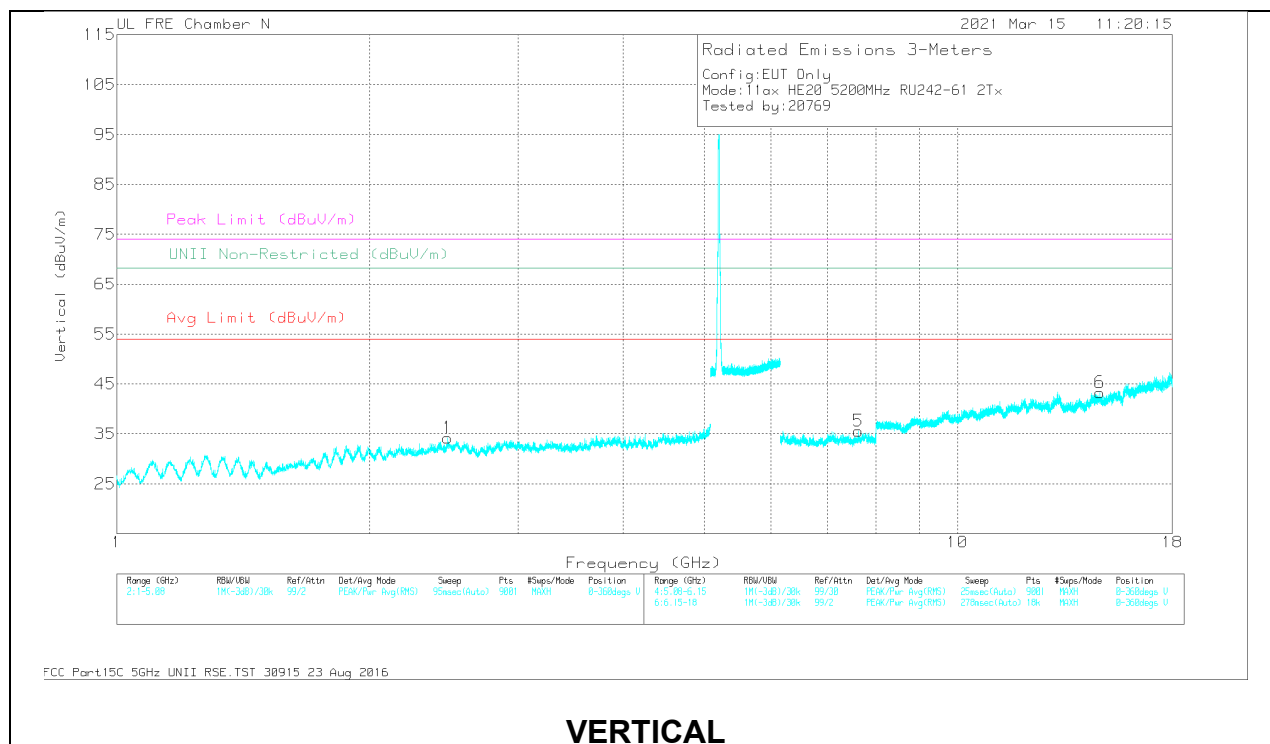
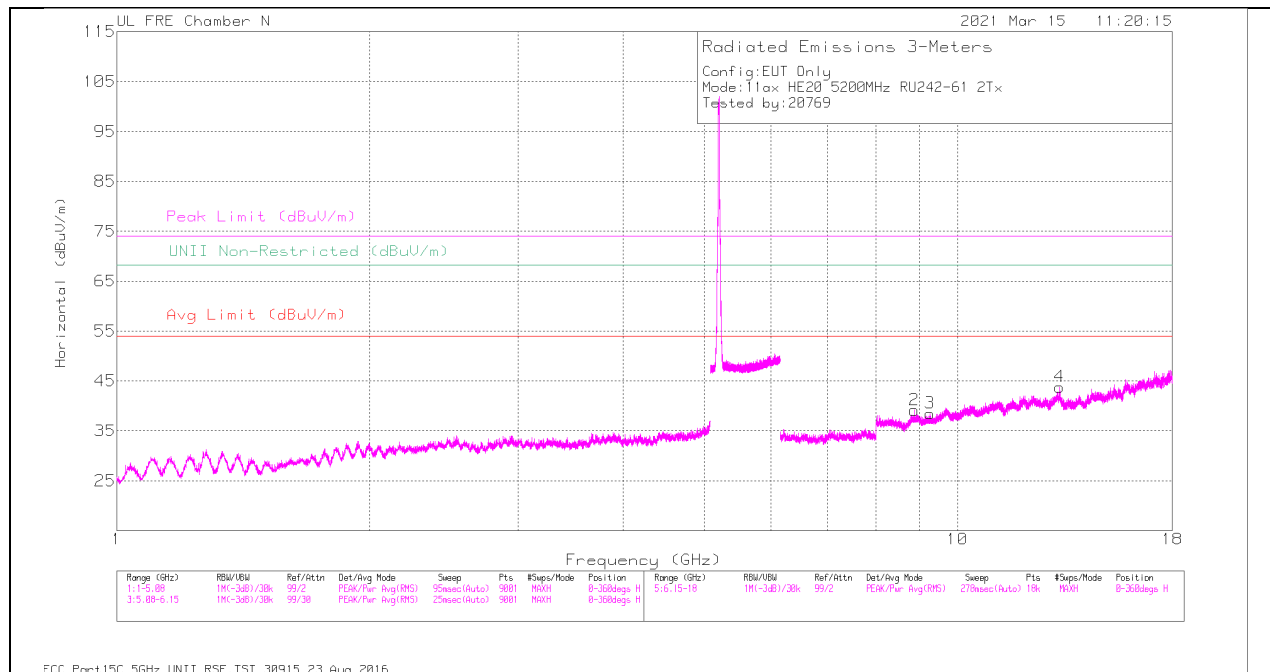
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	9.84146	50.39	PK-U	37.1	-39.8	47.69	-	-	-	-	68.2	-20.51	189	186	V
	9.84305	39.17	ADR	37.1	-39.8	36.47	-	-	-	-	-	-	189	186	V
6	* 11.97395	49.04	PK-U	38.8	-37.6	50.24	-	-	74	-23.76	-	-	217	290	V
	* 11.97324	37.72	ADR	38.8	-37.6	38.92	54	-15.08	-	-	-	-	217	290	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



VERTICAL

RADIATED EMISSIONS**Range 2: Vertical 1000 - 5080MHz**

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/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	2.47553	56.44	PK-U	32.4	-45.7	43.14	-	-	-	-	68.2	-25.06	5	192	V
	2.47556	44.84	ADR	32.4	-45.7	31.54	-	-	-	-	-	-	5	192	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/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
2	8.88561	51.66	PK-U	36.2	-39.9	47.96	-	-	-	-	68.2	-20.24	69	371	H
	8.88406	40.07	ADR	36.2	-39.9	36.37	-	-	-	-	-	-	69	371	H
3	9.27376	51.09	PK-U	36.3	-39.7	47.69	-	-	-	-	68.2	-20.51	17	277	H
	9.27112	39.24	ADR	36.4	-39.9	35.74	-	-	-	-	-	-	17	277	H
4	13.2204	50.41	PK-U	39.2	-37.4	52.21	-	-	-	-	68.2	-15.99	327	291	H
	13.2205	38.97	ADR	39.2	-37.4	40.77	-	-	-	-	-	-	327	291	H

Range 6: Vertical 6150 - 18000MHz

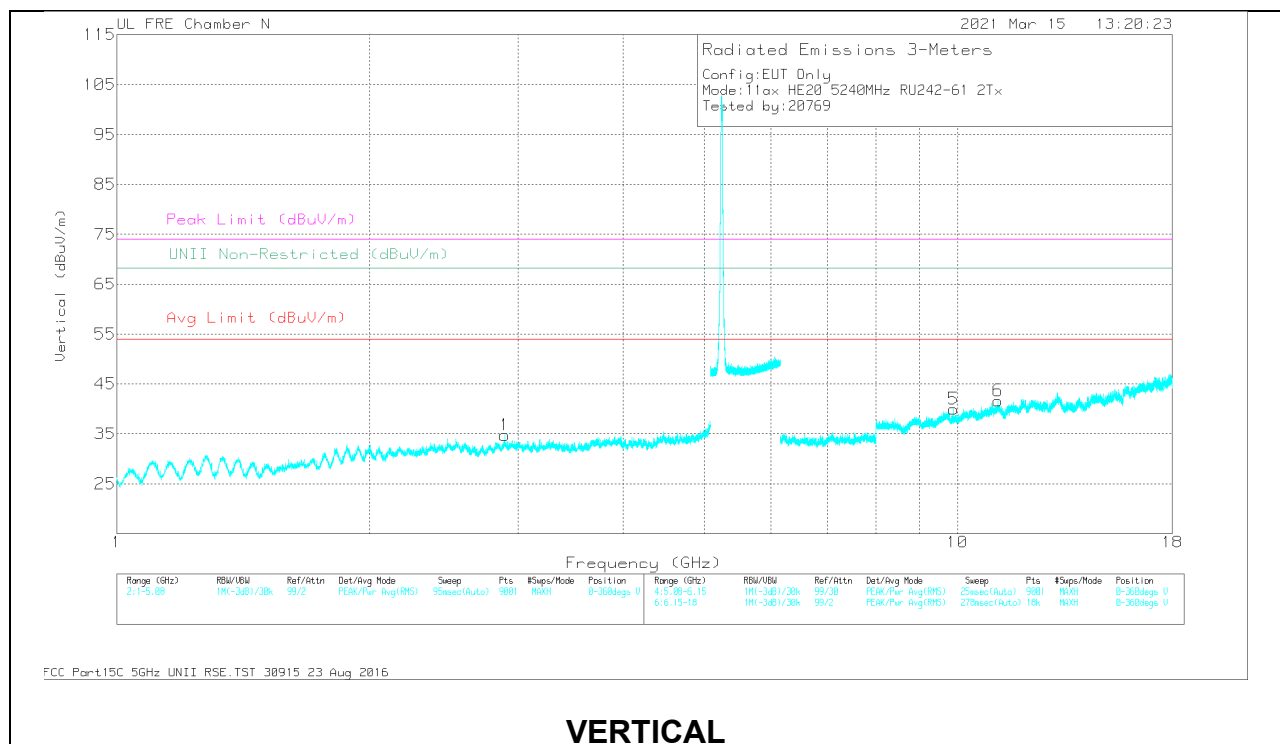
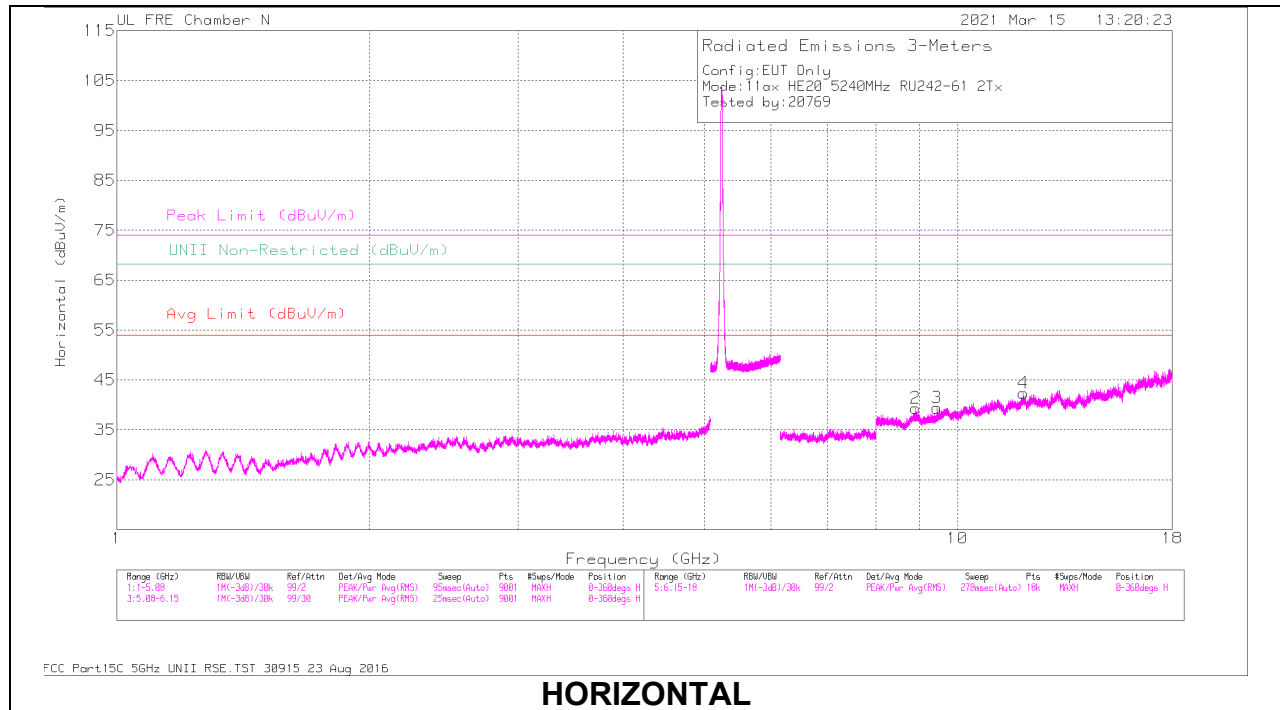
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 7.6217	50.5	PK-U	35.9	-40.2	46.2	-	-	74	-27.8	-	-	120	240	V
	* 7.6236	39.06	ADR	35.9	-40.2	34.76	54	-19.24	-	-	-	-	120	240	V
6	14.7689	49.55	PK-U	39.7	-37.1	52.15	-	-	-	-	68.2	-16.05	351	273	V
	14.7675	37.99	ADR	39.7	-37.1	40.59	-	-	-	-	-	-	351	273	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**Range 2: Vertical 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 2.89262	54.92	PK-U	32.6	-44.7	42.82	-	-	74	-31.18	-	-	337	209	V
	* 2.89196	43.93	ADR	32.6	-44.7	31.83	54	-22.17	-	-	-	-	337	209	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	8.91529	51.41	PK-U	36.1	-39.9	47.61	-	-	-	-	68.2	-20.59	18	214	H
	8.91376	39.95	ADR	36.1	-39.9	36.15	-	-	-	-	-	-	18	214	H
3	* 9.44921	50.76	PK-U	36.6	-39.8	47.56	-	-	74	-26.44	-	-	334	210	H
	* 9.44938	39.1	ADR	36.6	-39.8	35.9	54	-18.1	-	-	-	-	334	210	H
4	* 11.97444	49.1	PK-U	38.8	-37.6	50.3	-	-	74	-23.7	-	-	258	179	H
	* 11.97532	37.64	ADR	38.8	-37.6	38.84	54	-15.16	-	-	-	-	258	179	H

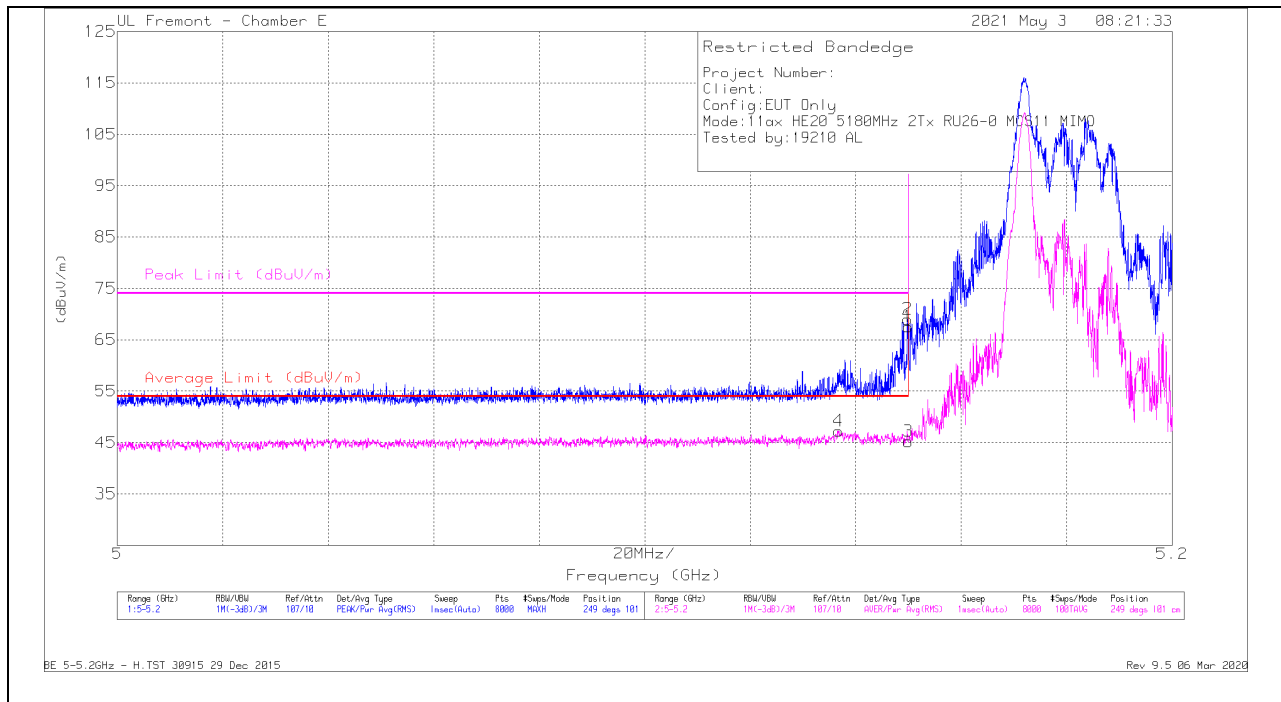
Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
5	9.89203	50.64	PK-U	37.1	-40.1	47.64	-	-	-	-	68.2	-20.56	245	376	V
	9.89191	39.61	ADR	37.1	-40.1	36.61	-	-	-	-	-	-	245	376	V
6	* 11.17574	50.94	PK-U	38	-39.1	49.84	-	-	74	-24.16	-	-	226	149	V
	* 11.17435	39.63	ADR	38	-39.1	38.53	54	-15.47	-	-	-	-	226	149	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX ANT 6 + ANT 5 OFDMA MODE – 26 Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

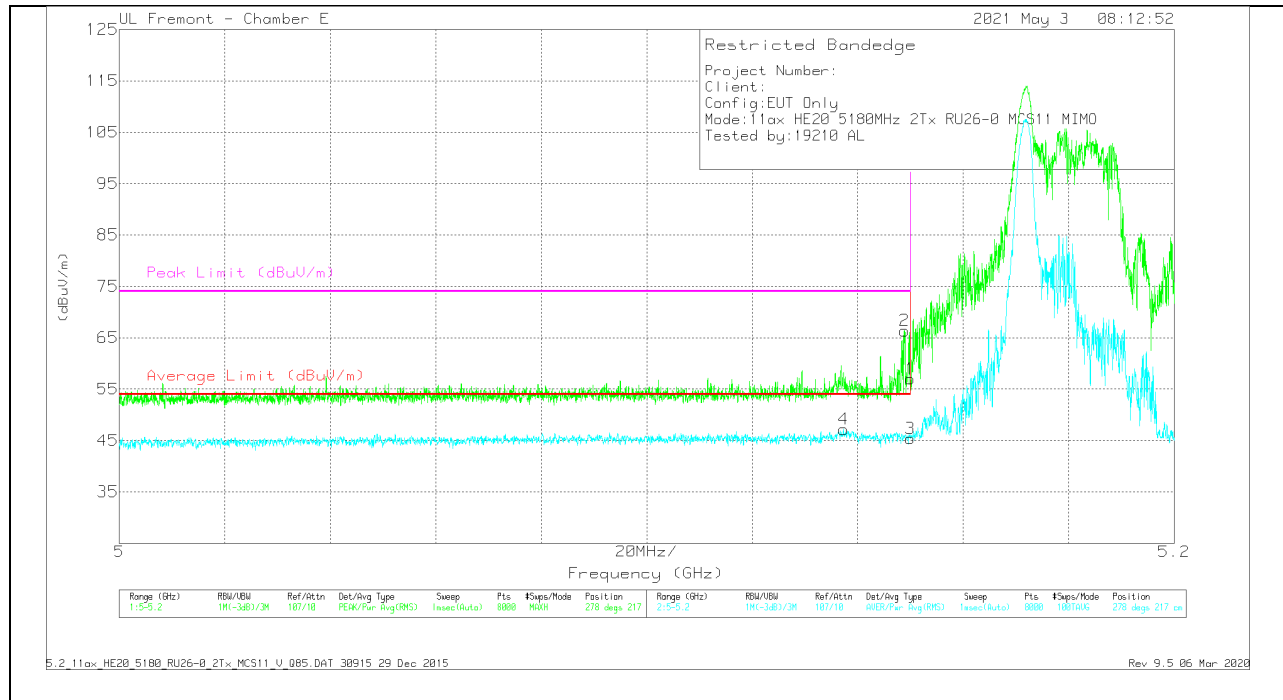
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	54.46	Pk	34.3	-21.2	67.56	-	-	74	-6.44	249	101	H
2	* 5.14982	55.92	Pk	34.3	-21.2	69.02	-	-	74	-4.98	249	101	H
3	* 5.14999	32.12	RMS	34.3	-21.2	45.22	54	-8.78	-	-	249	101	H
4	* 5.13677	33.96	RMS	34.4	-21.1	47.26	54	-6.74	-	-	249	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cb/ 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	43.9	Pk	34.3	-21.2	57	-	-	74	-17	278	217	V
2	* 5.14892	53.28	Pk	34.3	-21.2	66.38	-	-	74	-7.62	278	217	V
3	* 5.14999	32.27	RMS	34.3	-21.2	45.37	54	-8.63	-	-	278	217	V
4	* 5.13729	33.89	RMS	34.4	-21.1	47.19	54	-6.81	-	-	278	217	V

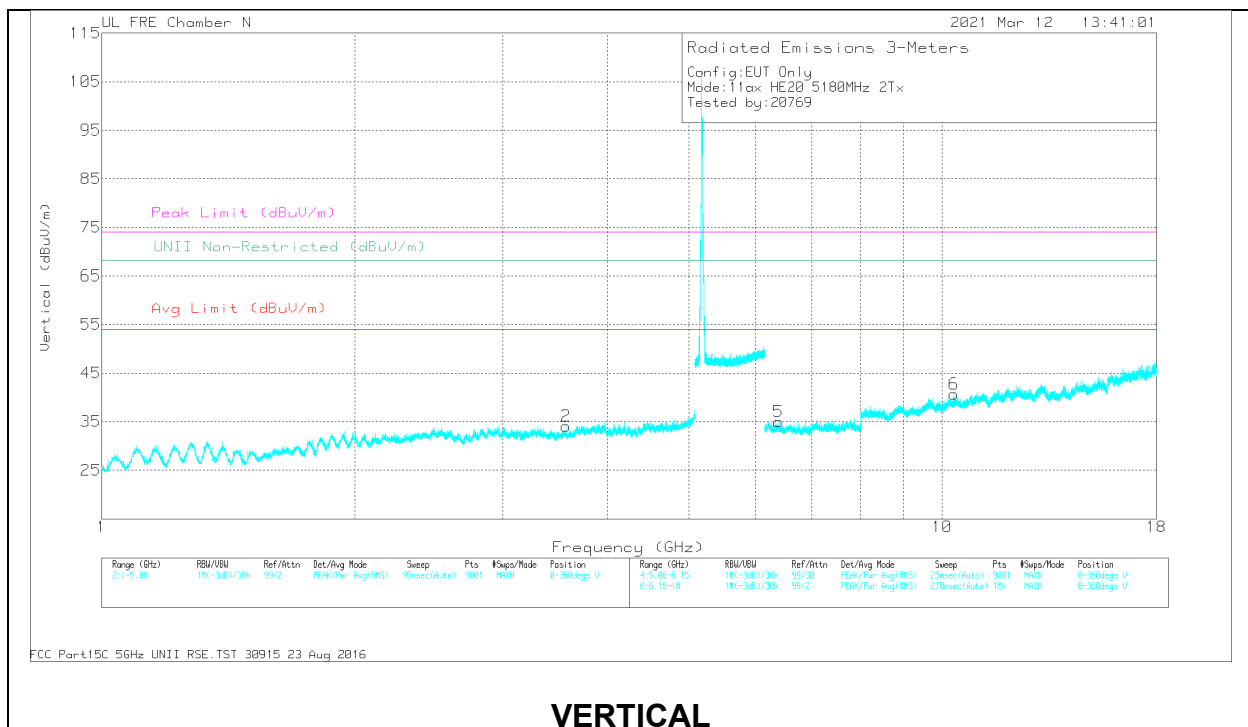
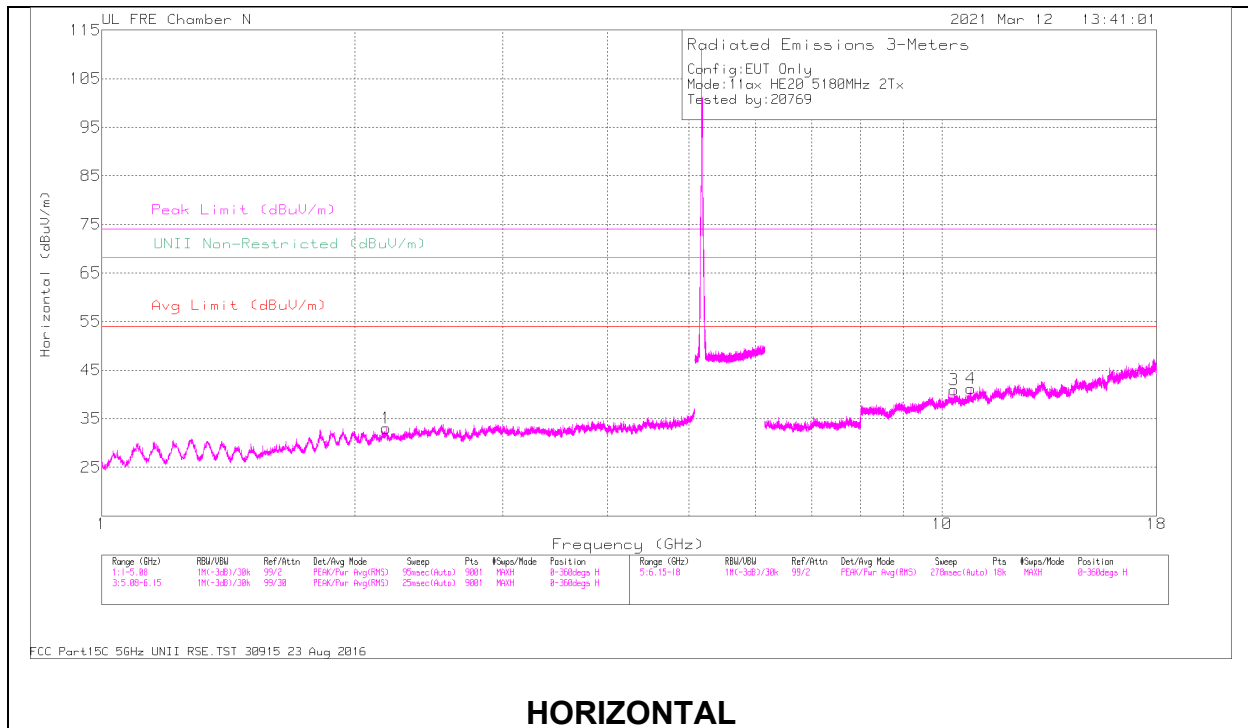
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	2.17977	56.86	PK-U	31.7	-46.3	42.26	-	-	-	-	68.2	-25.94	126	285	H
	2.17891	45.19	ADR	31.6	-46.3	30.49	-	-	-	-	-	-	126	285	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 3.56719	53.96	PK-U	33.2	-43.6	43.56	-	-	74	-30.44	-	-	75	111	V
	* 3.56629	41.66	ADR	33.2	-43.6	31.26	54	-22.74	-	-	-	-	75	111	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	10.34245	52.04	PK-U	37.5	-39.6	49.94	-	-	-	-	68.2	-18.26	158	169	H
	10.34273	41.09	ADR	37.5	-39.6	38.99	-	-	-	-	-	-	158	169	H
4	* 10.82411	51.16	PK-U	37.8	-39.8	49.16	-	-	74	-24.84	-	-	42	318	H
	* 10.82573	39.83	ADR	37.8	-39.8	37.83	54	-16.17	-	-	-	-	42	318	H

Range 6: Vertical 6150 - 18000MHz

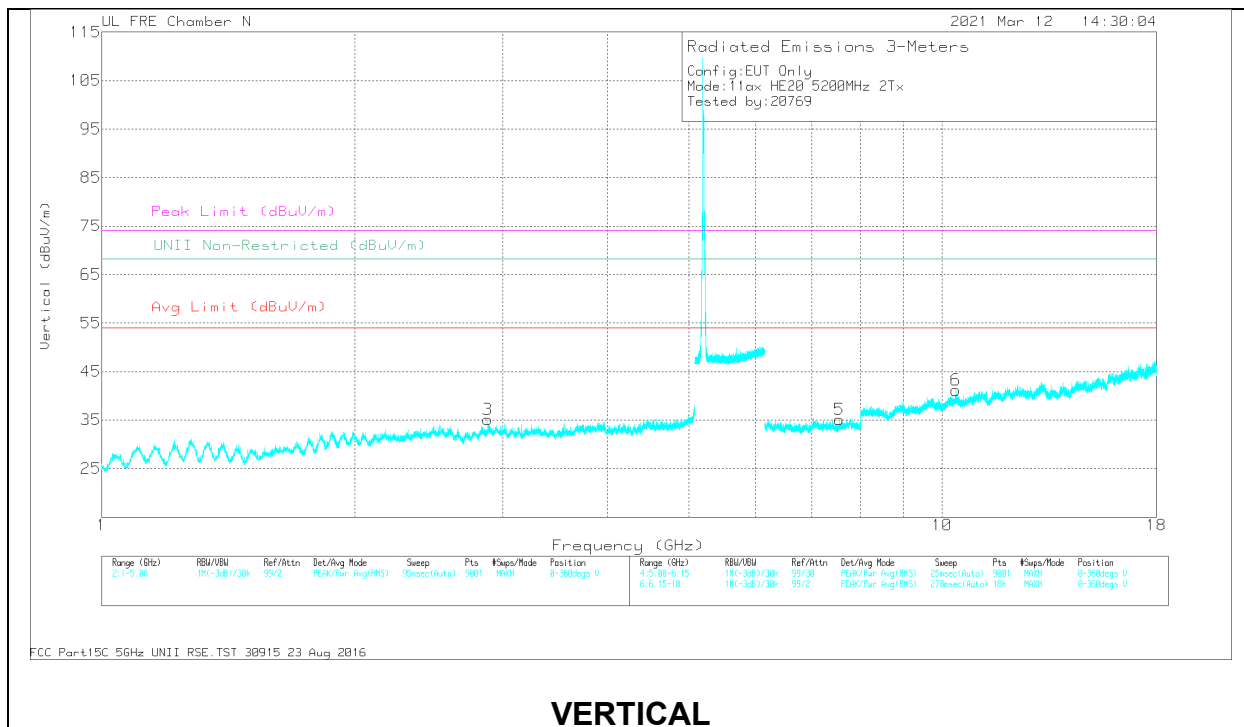
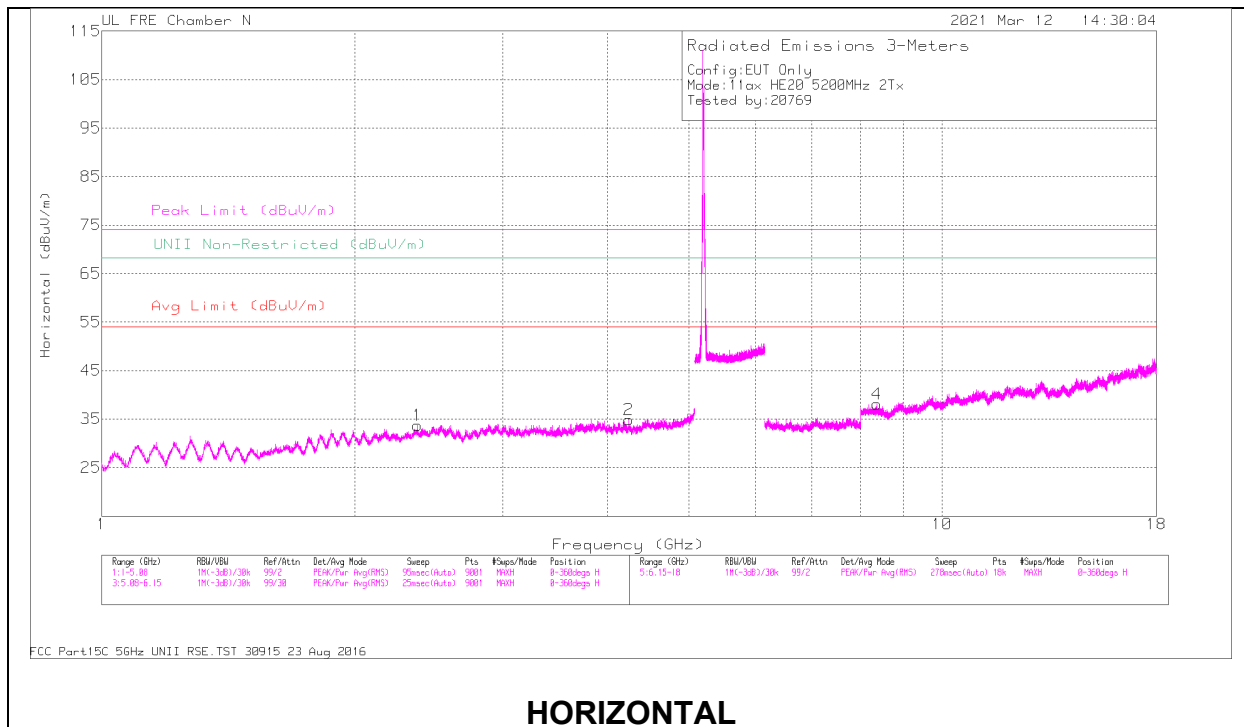
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	6.39453	51.25	PK-U	35.6	-41	45.85	-	-	-	-	68.2	-22.35	327	106	V
	6.394	39.7	ADR	35.7	-41	34.4	-	-	-	-	-	-	327	106	V
6	10.34327	52.9	PK-U	37.5	-39.6	50.8	-	-	-	-	68.2	-17.4	327	238	V
	10.34291	41.14	ADR	37.5	-39.6	39.04	-	-	-	-	-	-	327	238	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**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 2.37477	56.44	PK-U	32.4	-46.1	42.74	-	-	74	-31.26	-	-	268	321	H
	* 2.37429	44.88	ADR	32.4	-46.1	31.18	54	-22.82	-	-	-	-	268	321	H
	* 4.2351	53.69	PK-U	33.4	-43.4	43.69	-	-	74	-30.31	-	-	70	394	H
2	* 4.23438	42.4	ADR	33.4	-43.4	32.4	54	-21.6	-	-	-	-	70	394	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	* 2.8814	55.33	PK-U	32.5	-44.7	43.13	-	-	74	-30.87	-	-	101	341	V
	* 2.88241	43.75	ADR	32.5	-44.6	31.65	54	-22.35	-	-	-	-	101	341	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
4	* 8.36102	50.75	PK-U	35.9	-39.9	46.75	-	-	74	-27.25	-	-	60	221	H
	* 8.35955	39.7	ADR	35.9	-39.9	35.7	54	-18.3	-	-	-	-	60	221	H

Range 6: Vertical 6150 - 18000MHz

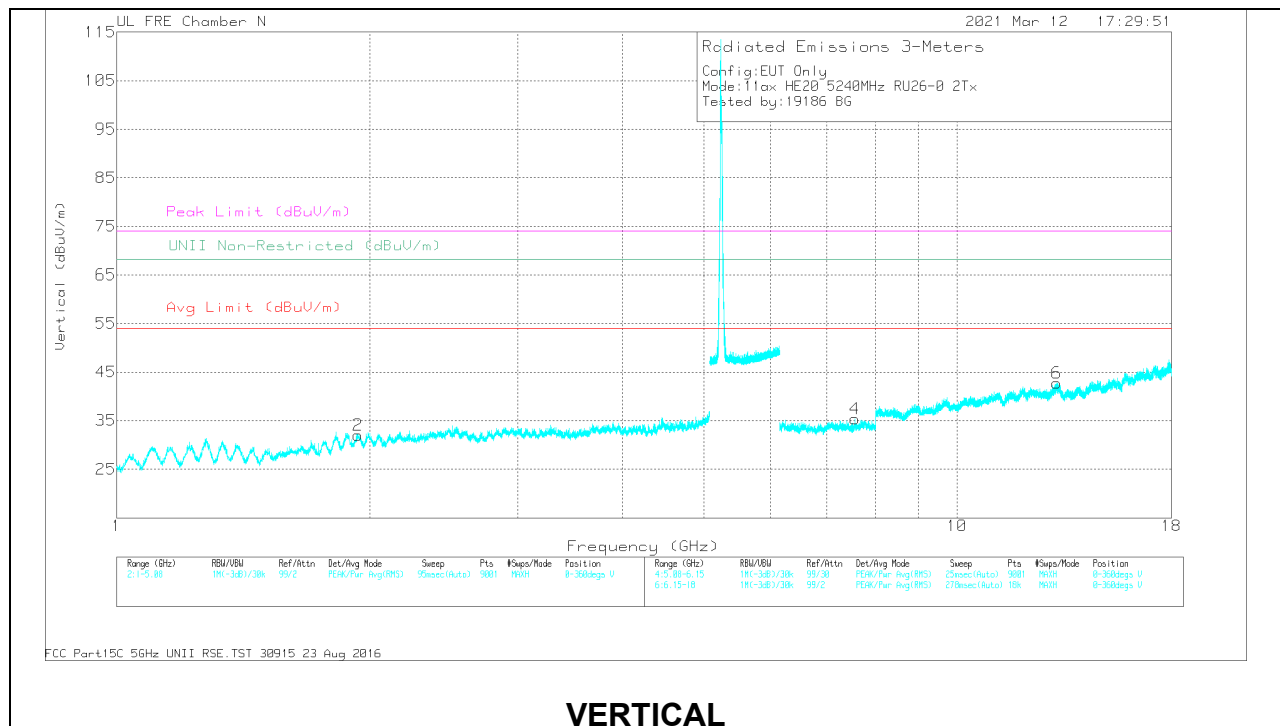
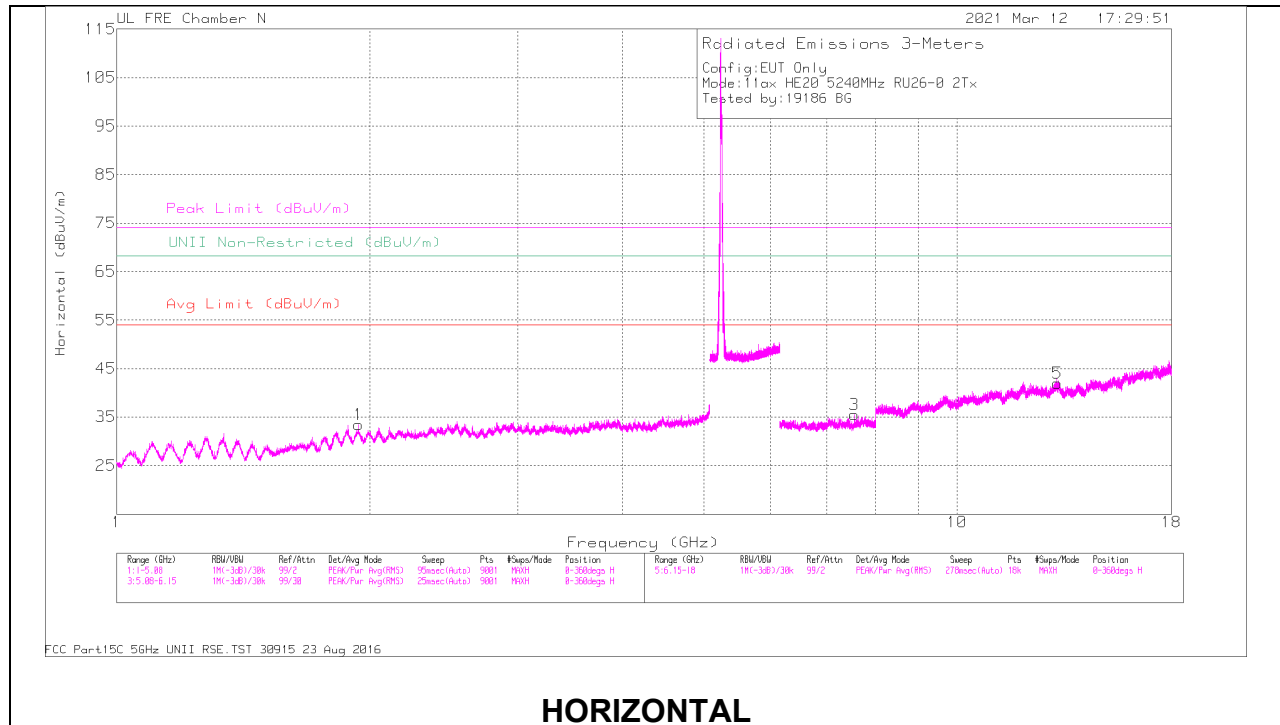
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 7.5531	51.52	PK-U	35.8	-40.7	46.62	-	-	74	-27.38	-	-	310	125	V
	* 7.55083	39.71	ADR	35.8	-40.6	34.71	54	-19.29	-	-	-	-	310	125	V
6	10.38385	52.83	PK-U	37.5	-40	50.33	-	-	-	-	68.2	-17.87	299	239	V
	10.3827	41.17	ADR	37.5	-39.9	38.77	-	-	-	-	-	-	299	239	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**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	1.93864	58.32	PK-U	31	-46.6	42.72	-	-	-	-	68.2	-25.48	85	299	H
	1.93815	46.64	ADR	31	-46.6	31.04	-	-	-	-	-	-	85	299	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	1.93638	58.4	PK-U	30.9	-46.7	42.6	-	-	-	-	68.2	-25.6	142	266	V
	1.93994	46.49	ADR	31	-46.6	30.89	-	-	-	-	-	-	142	266	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	* 7.55273	51.08	PK-U	35.8	-40.7	46.18	-	-	74	-27.82	-	-	220	170	H
	* 7.55295	39.57	ADR	35.8	-40.7	34.67	54	-19.33	-	-	-	-	220	170	H
5	13.1576	50.95	PK-U	39.3	-37.5	52.75	-	-	-	-	68.2	-15.45	352	384	H
	13.15703	38.86	ADR	39.3	-37.5	40.66	-	-	-	-	-	-	352	384	H

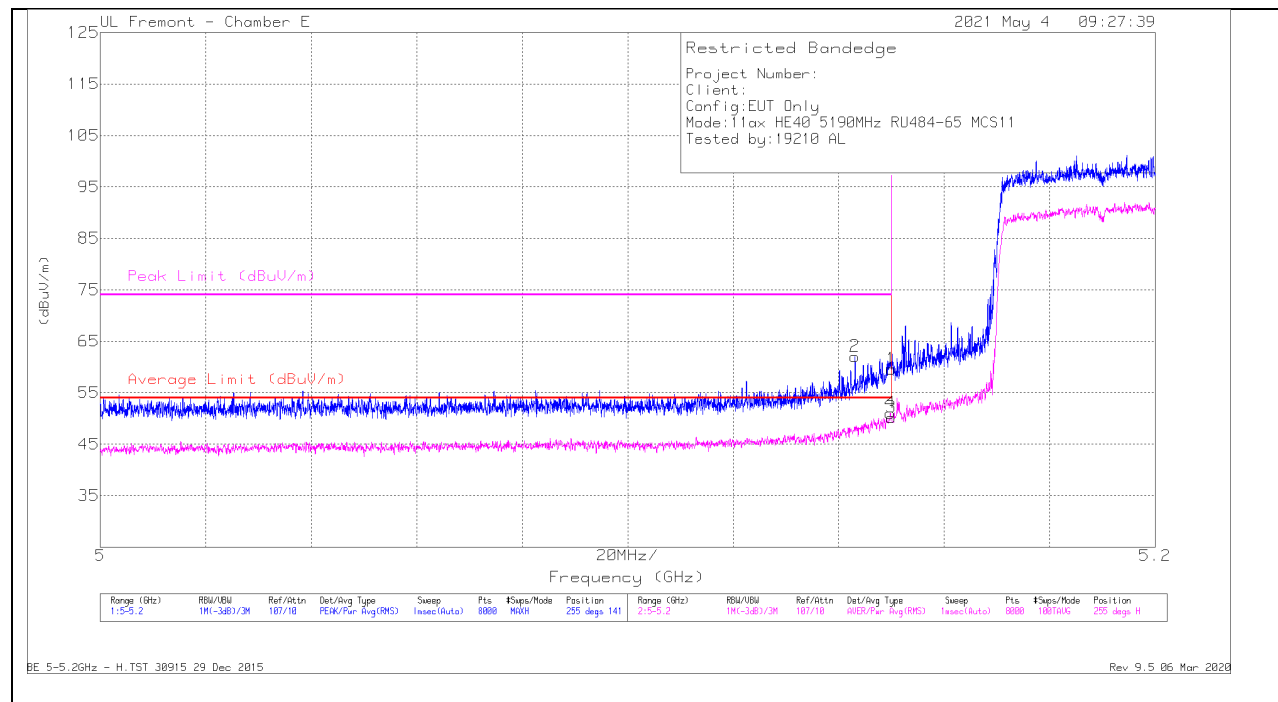
Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
4	* 7.5554	51.5	PK-U	35.8	-40.6	46.7	-	-	74	-27.3	-	-	144	256	V
	* 7.55347	39.54	ADR	35.8	-40.7	34.64	54	-19.36	-	-	-	-	144	256	V
6	13.15088	50.72	PK-U	39.3	-37.3	52.72	-	-	-	-	68.2	-15.48	128	376	V
	13.15365	38.91	ADR	39.3	-37.3	40.91	-	-	-	-	-	-	128	376	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 ANT 6 – 484 Tones, RU Index 65****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/ 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
2	* 5.14307	48.86	Pk	34.4	-21.2	62.06	-	-	74	-11.94	255	141	H
4	* 5.14979	37.97	RMS	34.3	-21.2	51.07	54	-2.93	-	-	255	141	H
1	* 5.14999	46.49	PK	34.3	-21.2	59.59	-	-	74	-14.41	255	141	H
3	* 5.14999	37.12	RMS	34.3	-21.2	50.22	54	-3.78	-	-	255	141	H

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

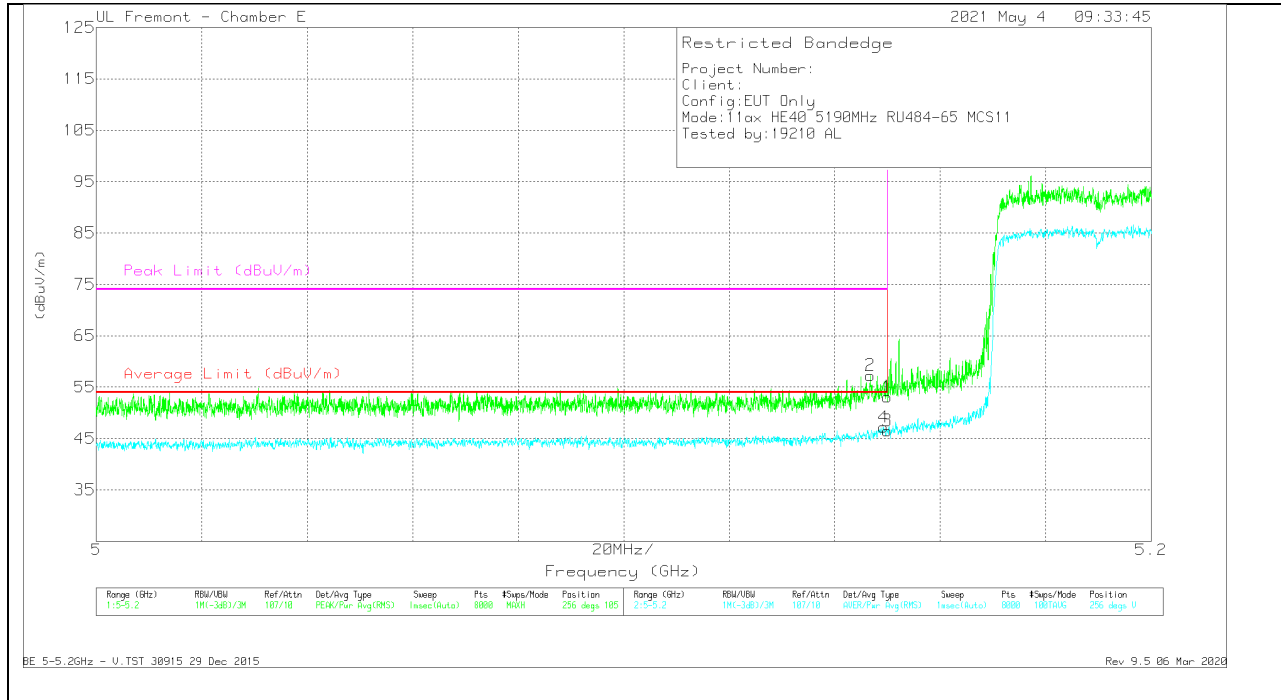
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	40.01	Pk	34.3	-21.2	53.11	-	-	74	-20.89	256	105	V
2	* 5.14674	44.2	Pk	34.3	-21.2	57.3	-	-	74	-16.7	256	105	V
3	* 5.14999	33.43	RMS	34.3	-21.2	46.53	54	-7.47	-	-	256	105	V
4	* 5.14922	34.13	RMS	34.3	-21.2	47.23	54	-6.77	-	-	256	105	V

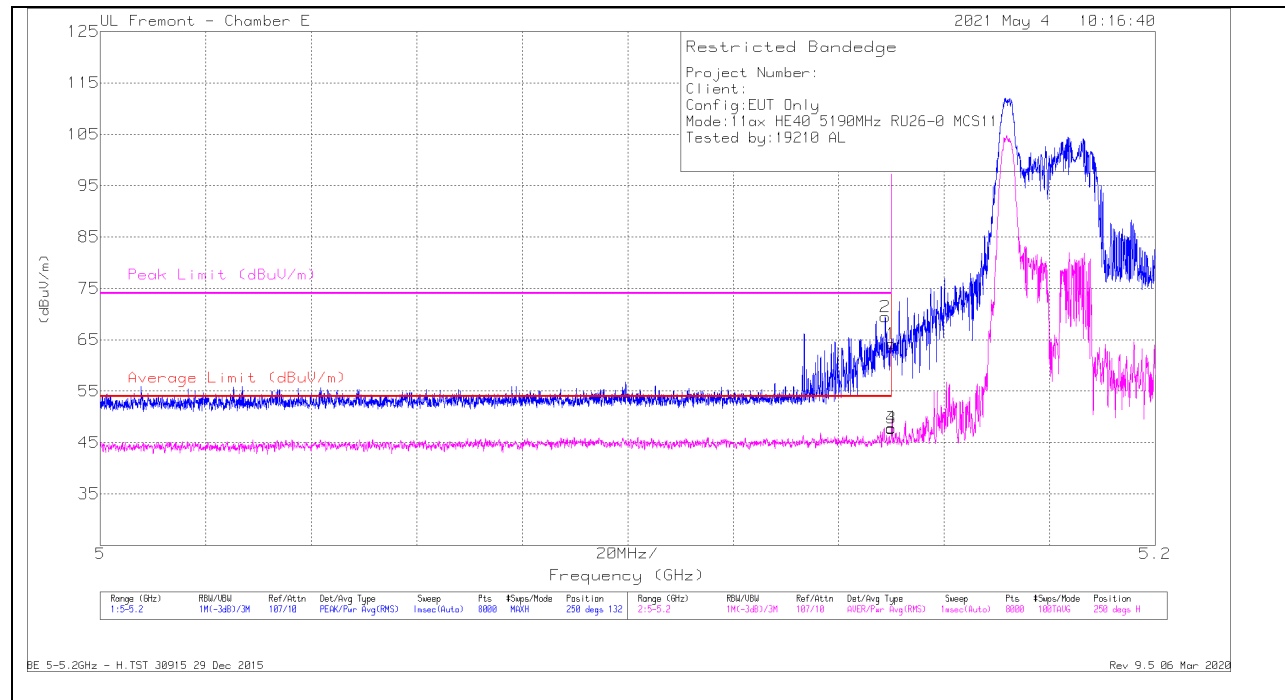
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

1TX ANT 6 – 26 Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.14882	56.35	Pk	34.3	-21.2	69.45	-	-	74	-4.55	250	132	H
4	* 5.14997	34.75	RMS	34.3	-21.2	47.85	54	-6.15	-	-	250	132	H
1	* 5.14999	51.12	Pk	34.3	-21.2	64.22	-	-	74	-9.78	250	132	H
3	* 5.14999	34.68	RMS	34.3	-21.2	47.78	54	-6.22	-	-	250	132	H

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

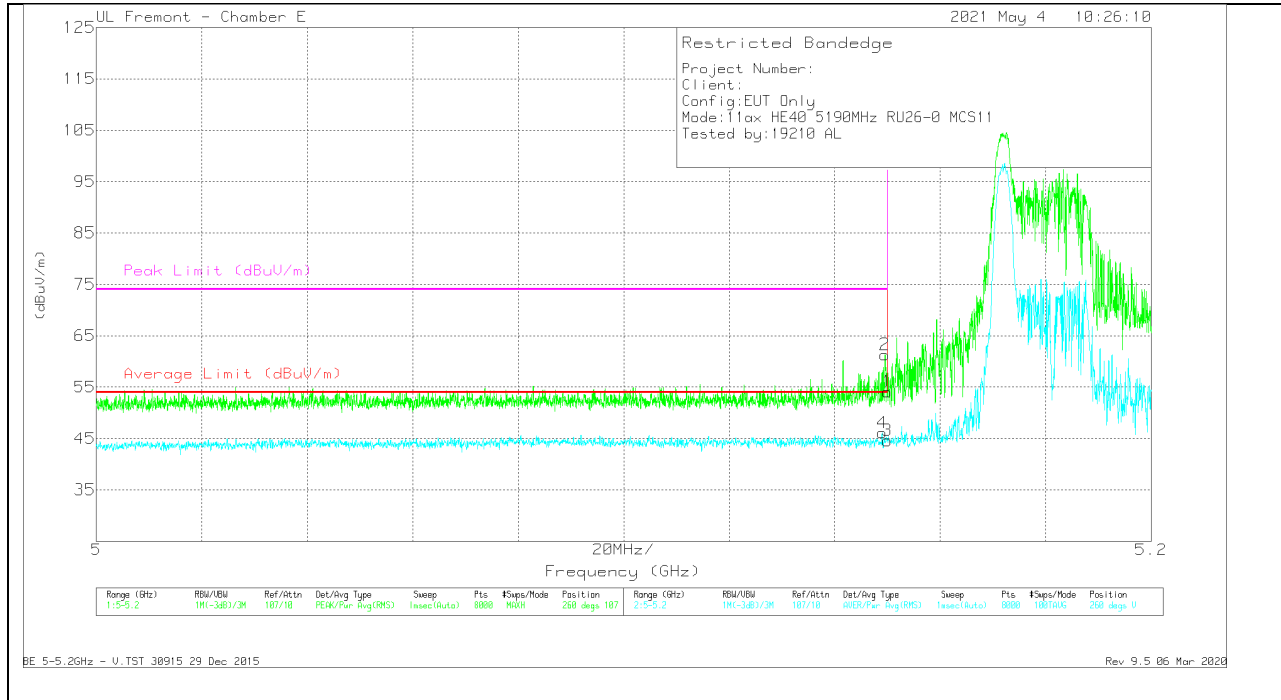
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.14897	33.03	RMS	34.3	-21.2	46.13	54	-7.87	-	-	260	107	V
2	* 5.14952	48.22	Pk	34.3	-21.2	61.32	-	-	74	-12.68	260	107	V
1	* 5.14999	41.02	Pk	34.3	-21.2	54.12	-	-	74	-19.88	260	107	V
3	* 5.14999	31.52	RMS	34.3	-21.2	44.62	54	-9.38	-	-	260	107	V

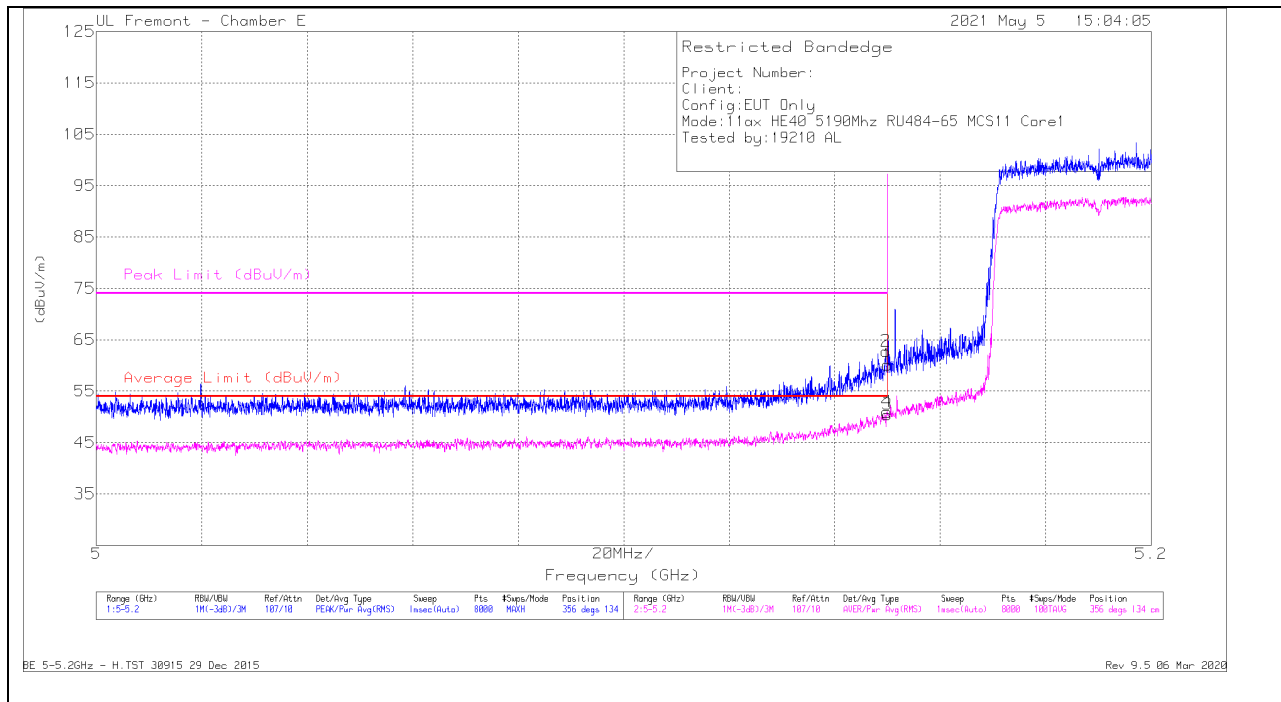
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

1TX ANT 5 – 484 Tones, RU Index 65**BANDEGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.14969	49.68	PK	34.3	-21.2	62.78	-	-	74	-11.22	356	134	H
4	* 5.14989	37.88	RMS	34.3	-21.2	50.98	54	-3.02	-	-	356	134	H
1	* 5.14999	47.05	PK	34.3	-21.2	60.15	-	-	74	-13.85	356	134	H
3	* 5.14999	37.36	RMS	34.3	-21.2	50.46	54	-3.54	-	-	356	134	H

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

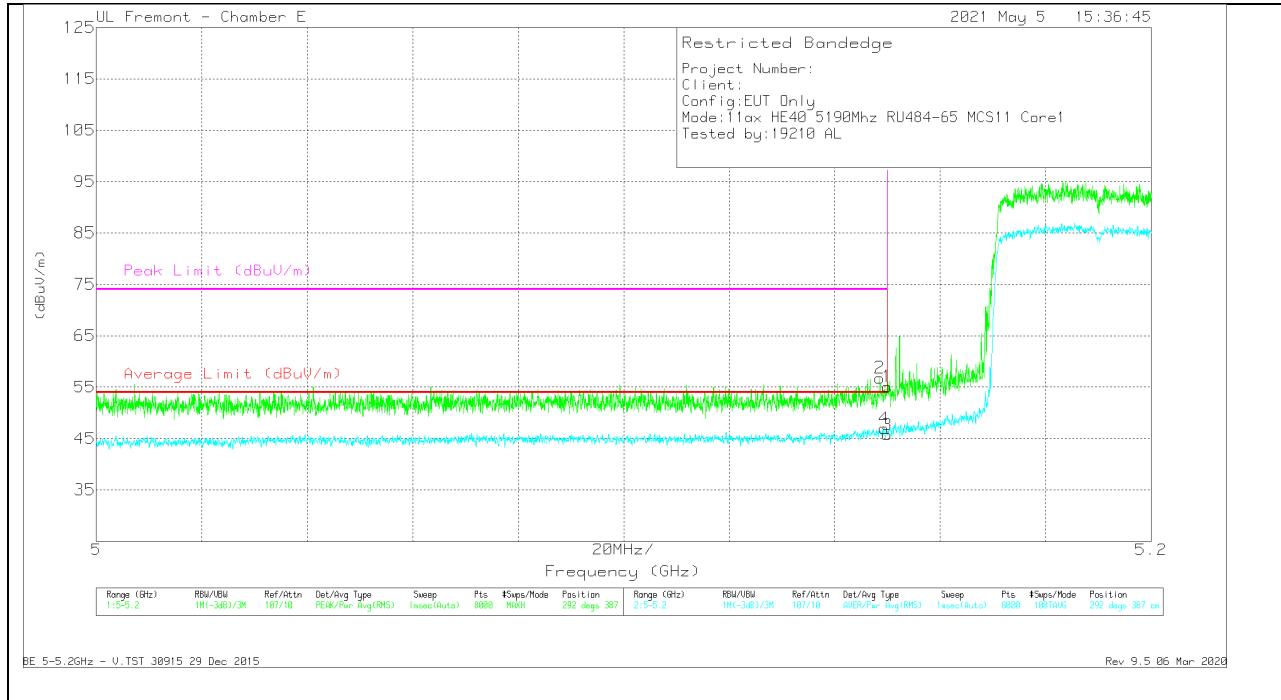
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.14854	43.69	Pk	34.3	-21.2	56.79	-	-	74	-17.21	292	387	V
4	* 5.14932	33.86	RMS	34.3	-21.2	46.96	54	-7.04	-	-	292	387	V
1	* 5.14999	42	Pk	34.3	-21.2	55.1	-	-	74	-18.9	292	387	V
3	* 5.14999	32.65	RMS	34.3	-21.2	45.75	54	-8.25	-	-	292	387	V

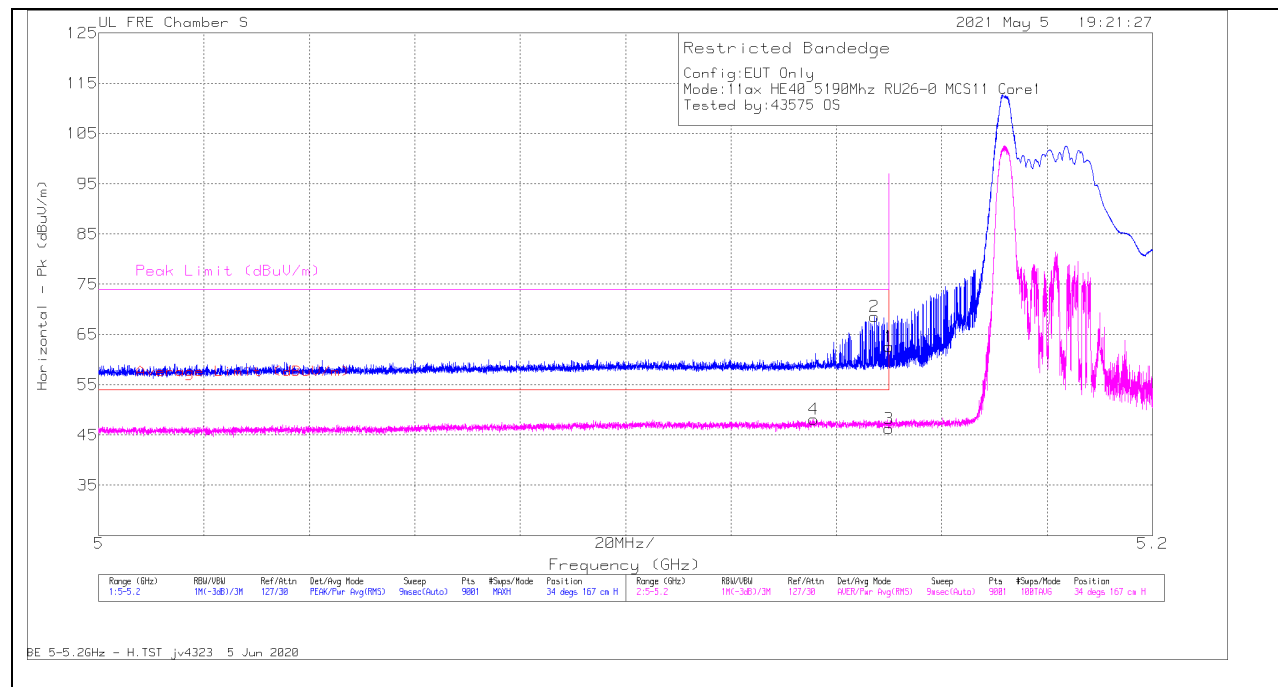
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

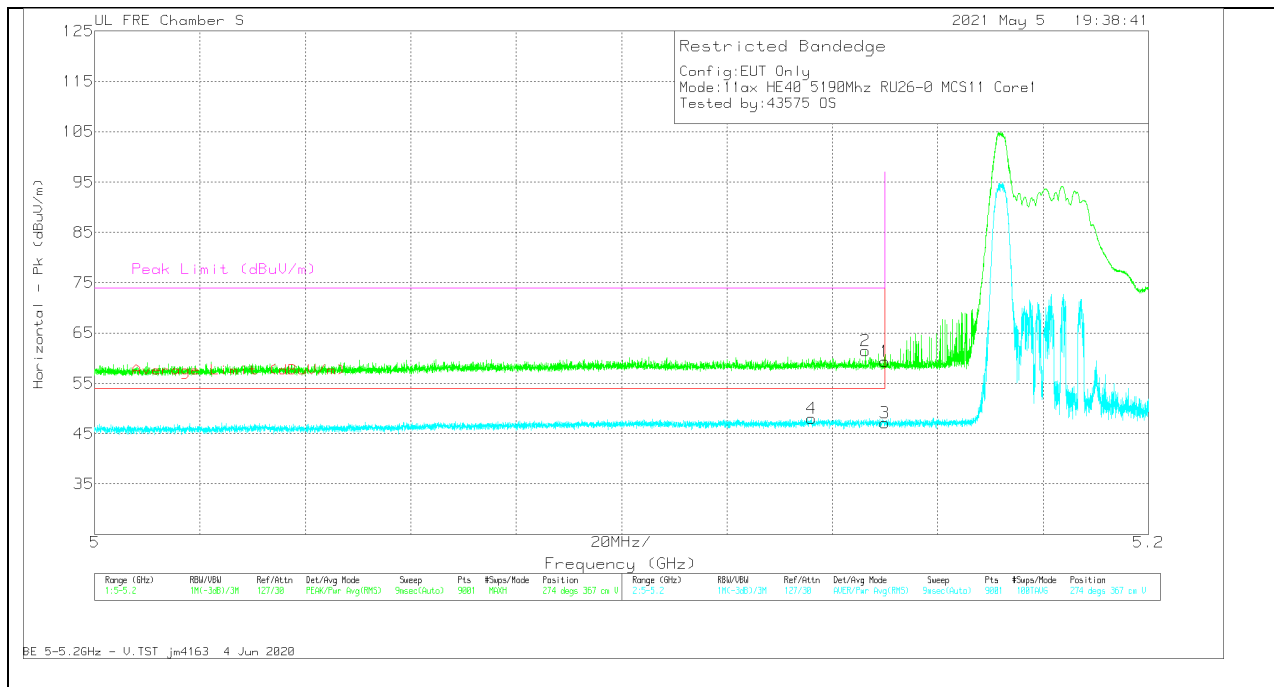
1TX ANT 5 – 26 Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 833 (dB/m)	Amp/Cb/ 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
4	5.13567	45.04	RMS	34.5	-31.4	48.14	54	-5.86	-	-	34	167	H
2	5.14718	65.49	Pk	34.5	-31.4	68.59	-	-	74	-5.41	34	167	H
1	5.15	59.52	Pk	34.5	-31.4	62.62	-	-	74	-11.38	34	167	H
3	5.15	43.14	RMS	34.5	-31.4	46.24	54	-7.76	-	-	34	167	H

Pk - Peak detector

RMS - RMS detection

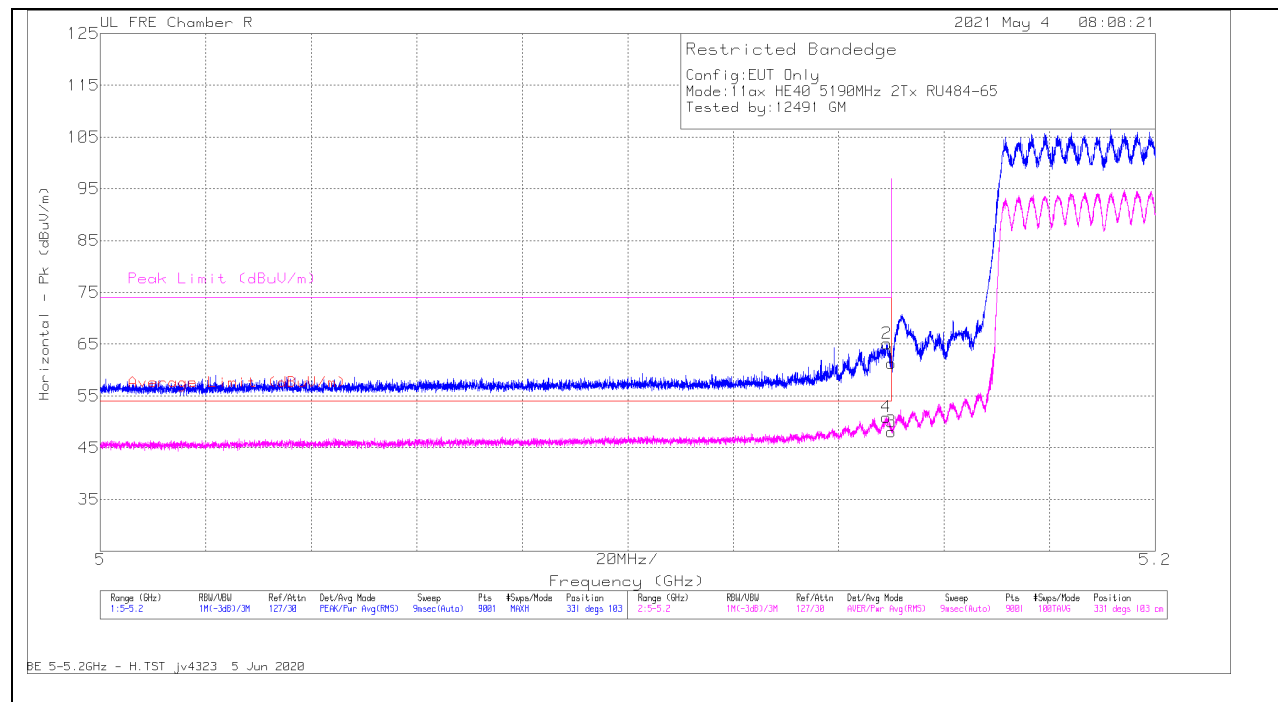
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 833 (dB/m)	Amp/Cbl/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
4	5.13602	44.85	RMS	34.6	-31.4	48.05	54	-5.95	-	-	274	367	V
2	5.14629	58.32	Pk	34.5	-31.4	61.42	-	-	74	-12.58	274	367	V
1	5.15	56.29	Pk	34.5	-31.4	59.39	-	-	74	-14.61	274	367	V
3	5.15	44.03	RMS	34.5	-31.4	47.13	54	-6.87	-	-	274	367	V

Pk - Peak detector

RMS - RMS detection

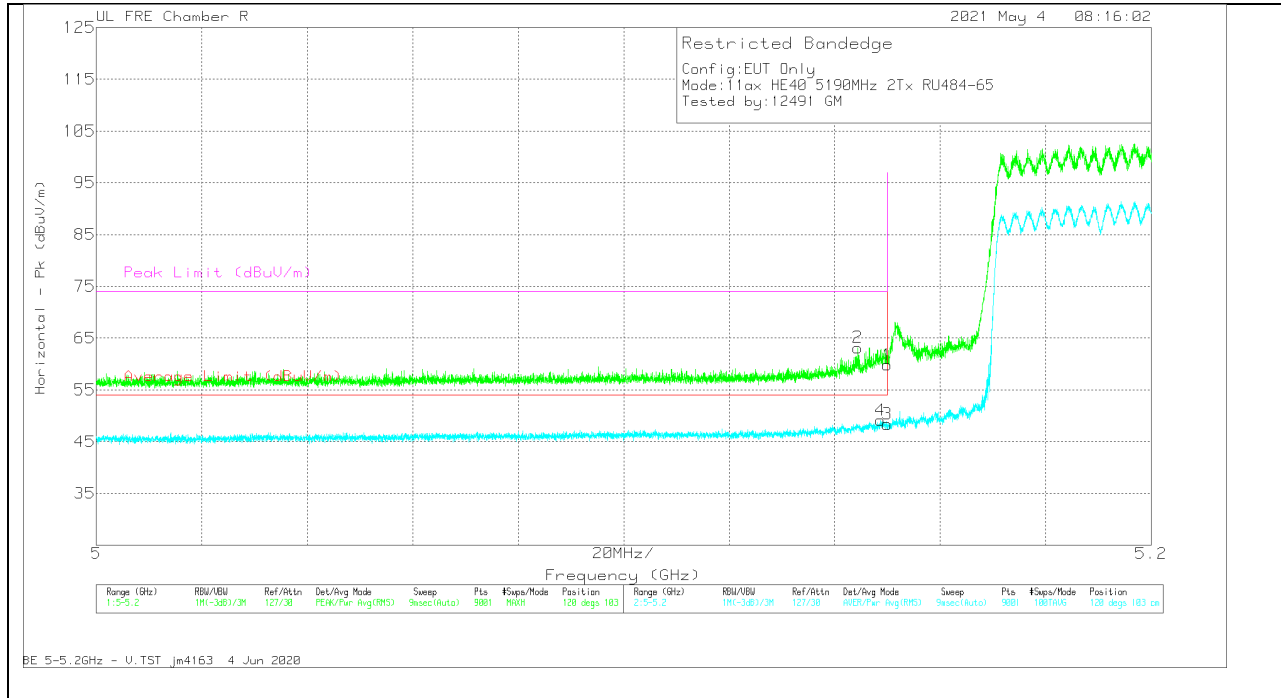
2TX ANT 6 + ANT 5 OFDMA MODE – 484 Tones, RU Index 65**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213973 (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
4	5.14902	48.4	RMS	34.3	-31.8	50.9	54	-3.1	-	-	331	103	H
2	5.14913	62.62	Pk	34.3	-31.8	65.12	-	-	74	-8.88	331	103	H
1	5.15	58.82	Pk	34.3	-31.8	61.32	-	-	74	-12.68	331	103	H
3	5.15	45.58	RMS	34.3	-31.8	48.08	54	-5.92	-	-	331	103	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

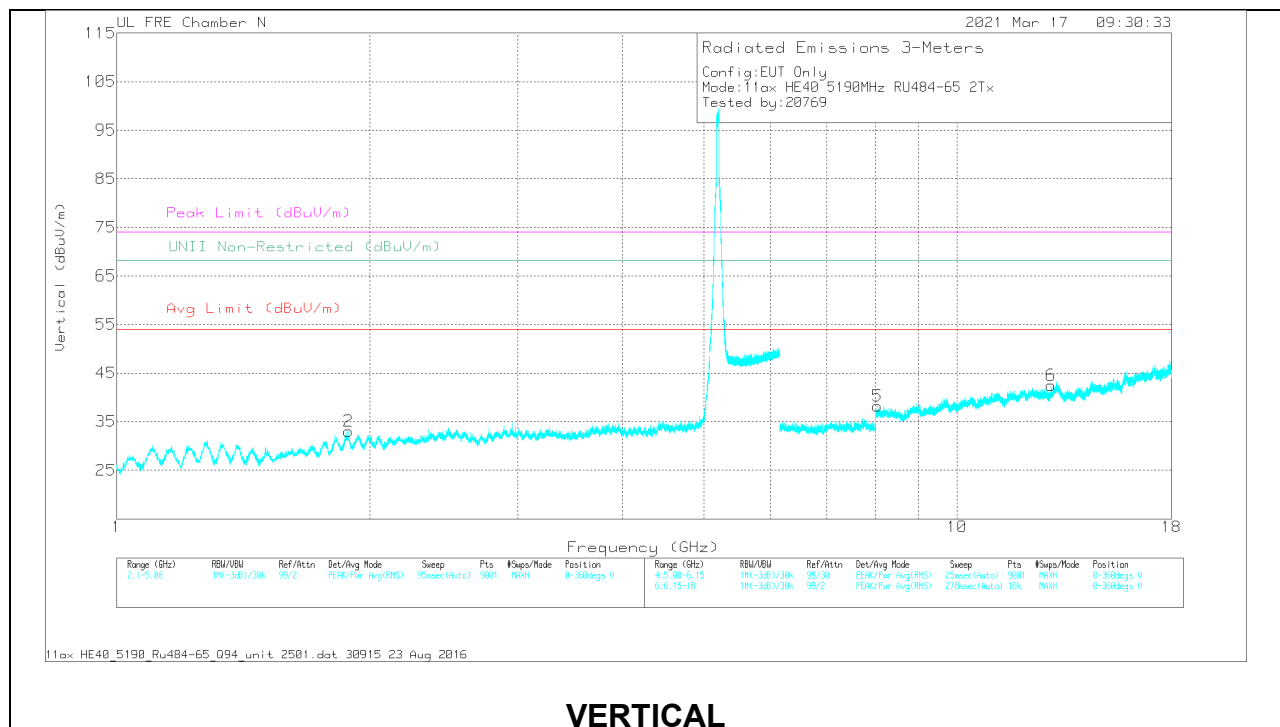
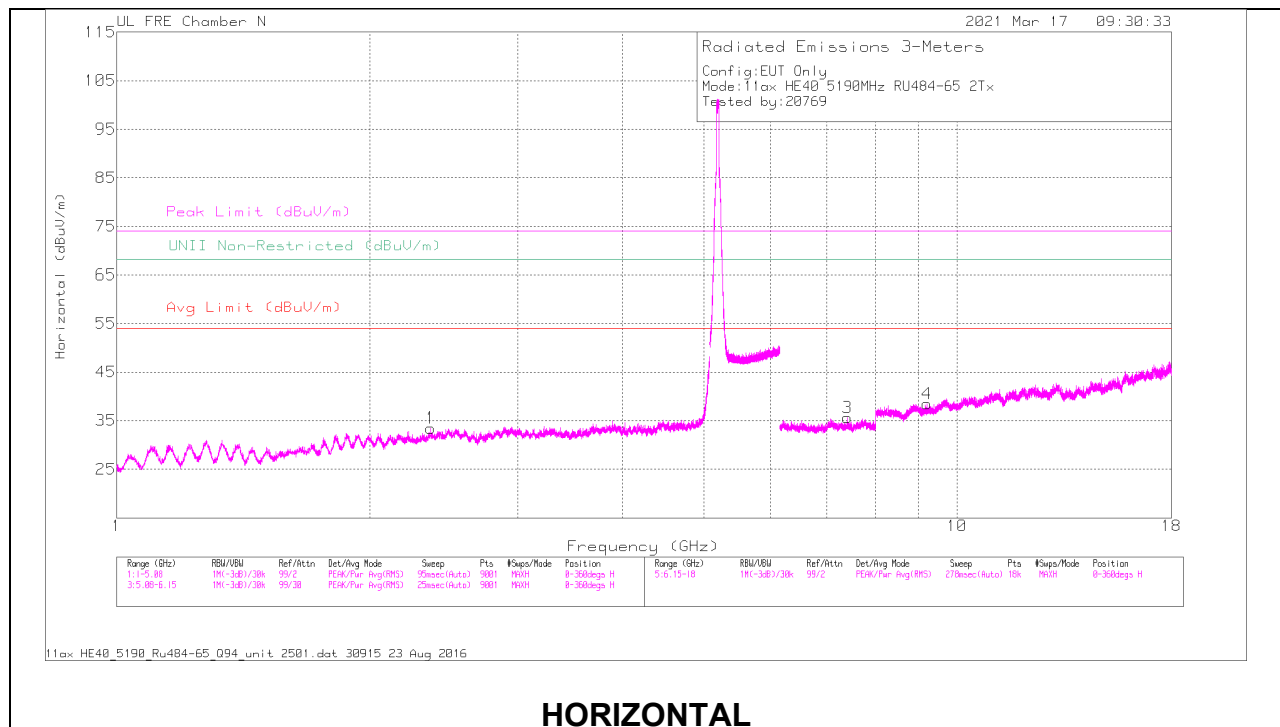


Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF PRE0213973 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.1444	60.55	Pk	34.3	-31.7	63.15	-	-	74	-10.85	120	103	V
4	5.14869	46.62	RMS	34.3	-31.8	49.12	54	-4.88	-	-	120	103	V
1	5.15	57.3	Pk	34.3	-31.8	59.8	-	-	74	-14.2	120	103	V
3	5.15	45.86	RMS	34.3	-31.8	48.36	54	-5.64	-	-	120	103	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS (11ax HE40 2TX)

LOW CHANNEL RESULTS



RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 2.36336	56.54	PK-U	32.3	-46.1	42.74	-	-	74	-31.26	-	-	3	287	H
	* 2.363	44.83	ADR	32.3	-46.1	31.03	54	-22.97	-	-	-	-	3	287	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	1.88833	58	PK-U	31	-46.9	42.1	-	-	-	-	68.2	-26.1	105	308	V
	1.88725	46.32	ADR	31	-46.9	30.42	-	-	-	-	-	-	105	308	V

Range 5: Horizontal 6150 - 18000MHz

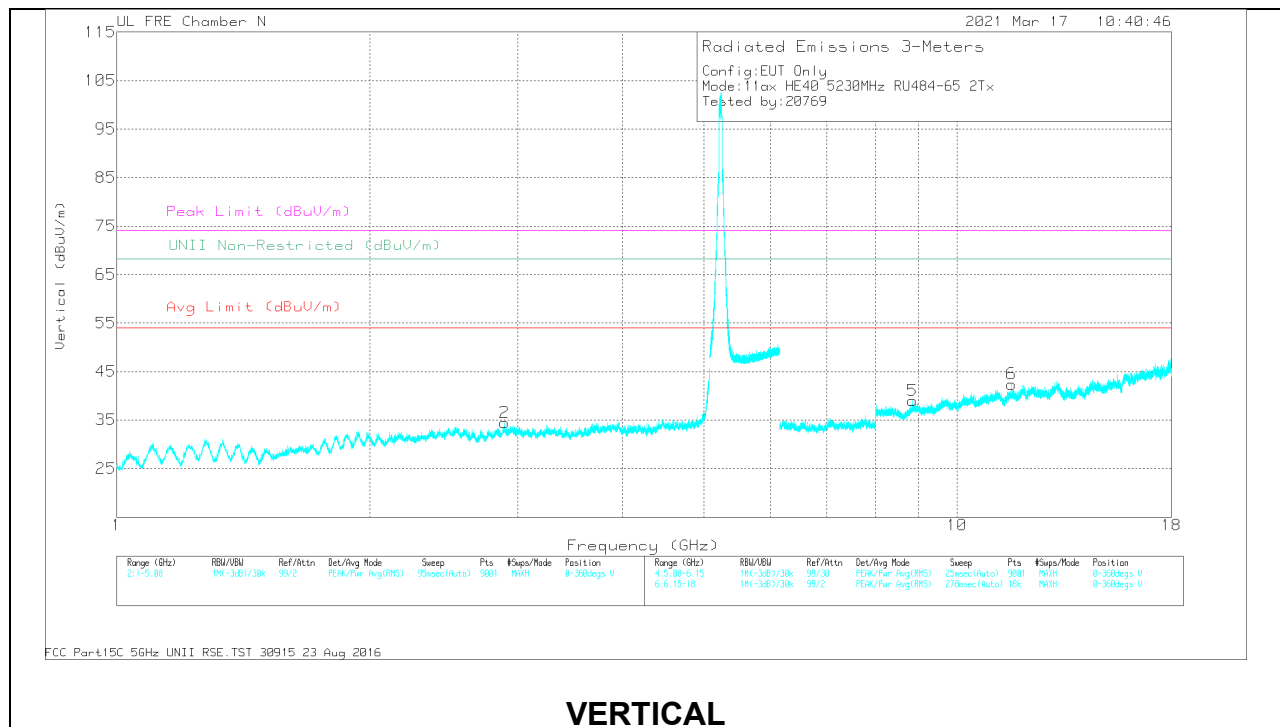
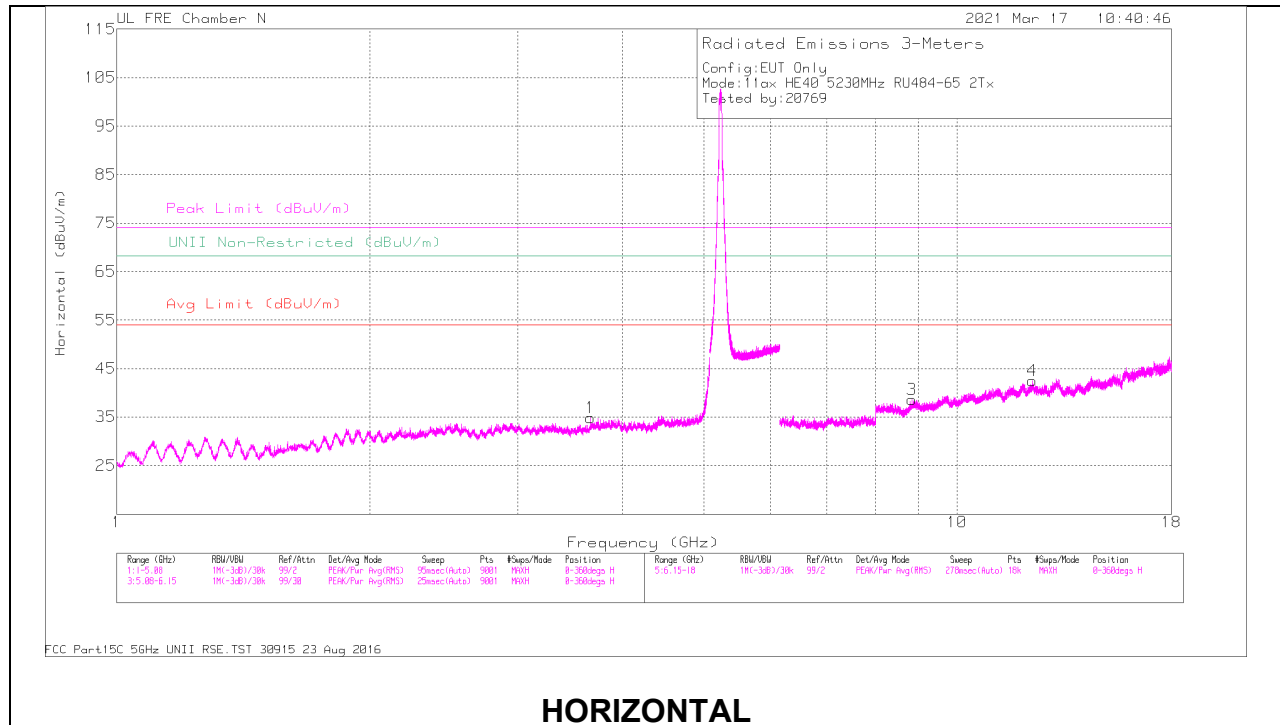
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 7.40829	50.72	PK-U	35.7	-40	46.42	-	-	74	-27.58	-	-	302	318	H
	* 7.409	39	ADR	35.7	-40	34.7	54	-19.3	-	-	-	-	302	318	H
4	9.21852	50.78	PK-U	36.4	-39.8	47.38	-	-	-	-	68.2	-20.82	63	167	H
	9.21693	38.96	ADR	36.4	-39.8	35.56	-	-	-	-	-	-	63	167	H

Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
5	* 8.03894	52.23	PK-U	35.7	-40.3	47.63	-	-	74	-26.37	-	-	174	256	V
	* 8.04007	39.93	ADR	35.7	-40.3	35.33	54	-18.67	-	-	-	-	174	256	V
6	12.93895	49.34	PK-U	39.2	-37.5	51.04	-	-	-	-	68.2	-17.16	21	388	V
	12.94199	37.12	ADR	39.2	-37.5	38.82	-	-	-	-	-	-	21	388	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**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 3.66217	53.91	PK-U	33.3	-43.7	43.51	-	-	74	-30.49	-	-	252	172	H
	* 3.66347	42.26	ADR	33.3	-43.7	31.86	54	-22.14	-	-	-	-	252	172	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 2.89321	56.05	PK-U	32.6	-44.6	44.05	-	-	74	-29.95	-	-	298	365	V
	* 2.89352	43.84	ADR	32.6	-44.6	31.84	54	-22.16	-	-	-	-	298	365	V

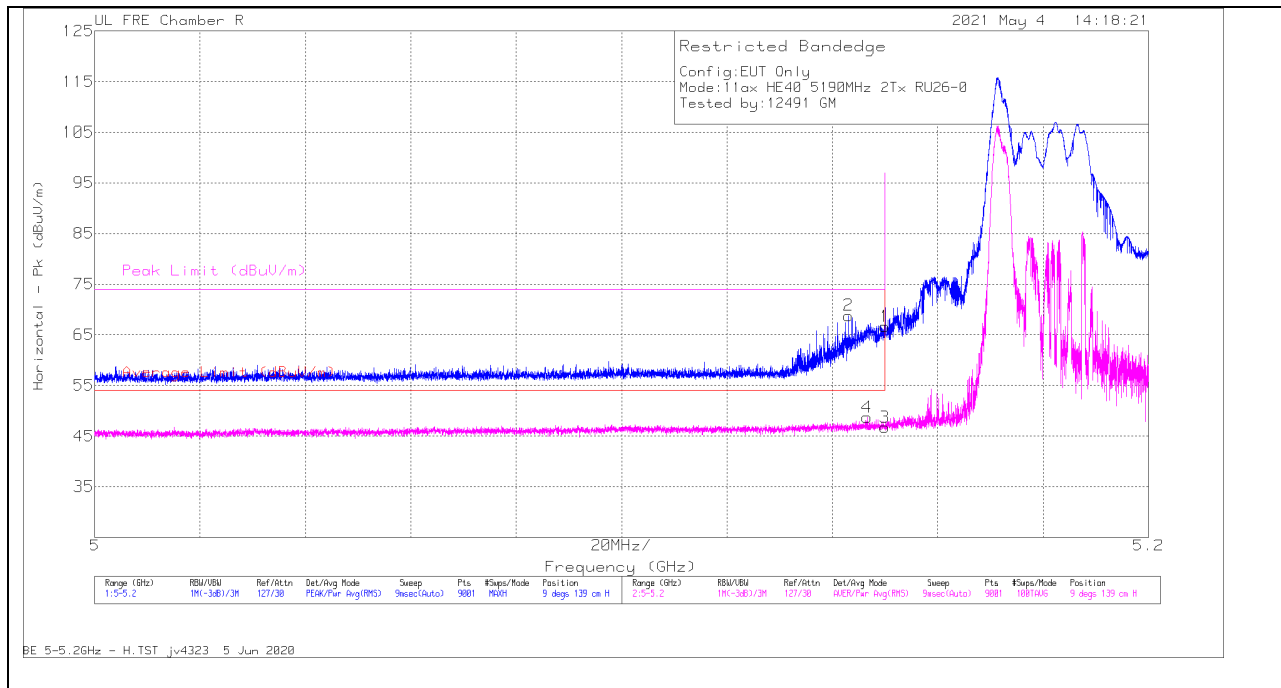
Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	8.83706	51.85	PK-U	36.2	-40	48.05	-	-	-	-	68.2	-20.15	0	105	H
	8.83457	39.76	ADR	36.2	-39.8	36.16	-	-	-	-	-	-	0	105	H
4	* 12.29206	49.74	PK-U	39.1	-37.8	51.04	-	-	74	-22.96	-	-	96	367	H
	* 12.28976	38.59	ADR	39	-37.7	39.89	54	-14.11	-	-	-	-	96	367	H

Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
5	8.86116	51.48	PK-U	36.2	-40	47.68	-	-	-	-	68.2	-20.52	124	240	V
	8.86202	39.96	ADR	36.2	-40	36.16	-	-	-	-	-	-	124	240	V
6	* 11.6183	49.98	PK-U	38.4	-38.4	49.98	-	-	74	-24.02	-	-	219	225	V
	* 11.61951	38.72	ADR	38.4	-38.5	38.62	54	-15.38	-	-	-	-	219	225	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 ANT 6 + ANT 5 OFDMA MODE – 26 Tones, RU Index 0**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (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
2	5.14307	66.32	Pk	34.3	-31.8	68.82	-	-	74	-5.18	9	139	H
4	5.14658	46.24	RMS	34.3	-31.8	48.74	54	-5.26	-	-	9	139	H
1	5.15	64.15	Pk	34.3	-31.8	66.65	-	-	74	-7.35	9	139	H
3	5.15	44.29	RMS	34.3	-31.8	46.79	54	-7.21	-	-	9	139	H

Pk - Peak detector

RMS - RMS detection

UL FRE Chamber R

2021 May 4 14:31:46

Restricted Bandedge

Config: EUT Only
Mode: 11ax HE40 5180MHz 2Tx RU26-8
Tested by: 12491 GM

Horizontal - Pk (dBu/m)

Peak Limit (dBu/m)

Average Limit (dBu/m)

20MHz/

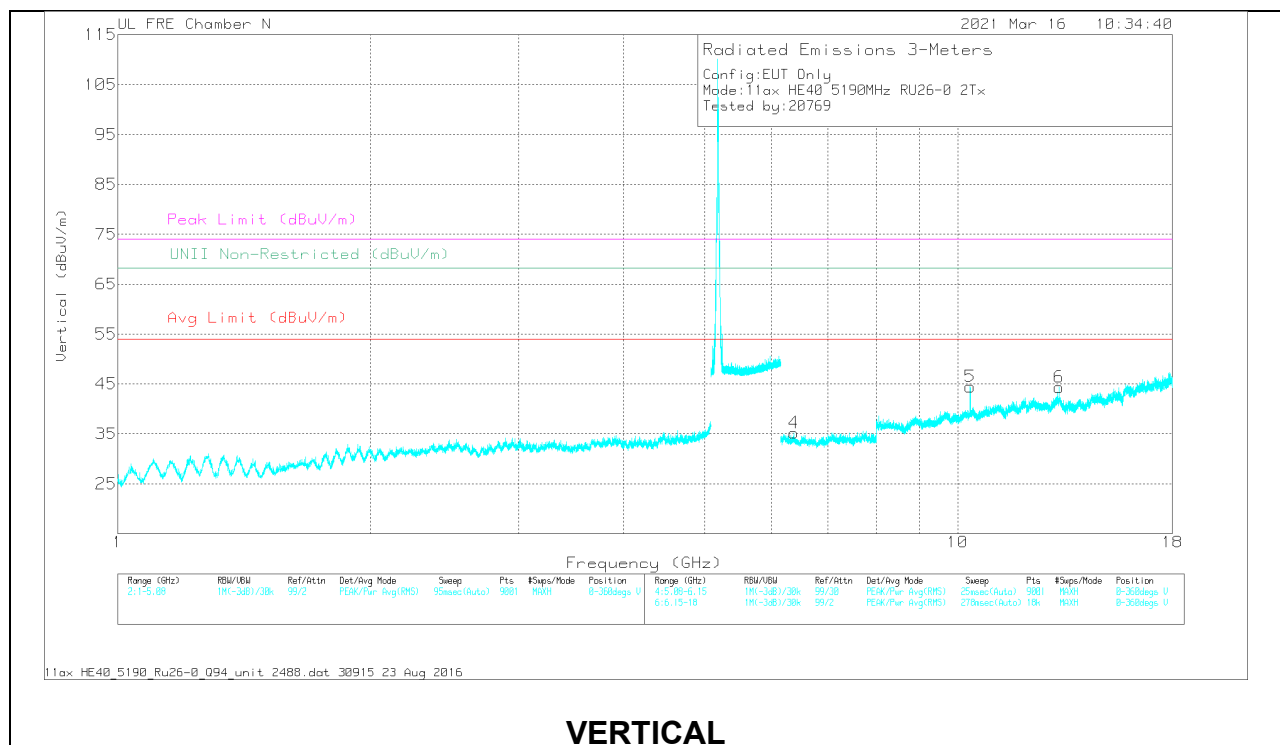
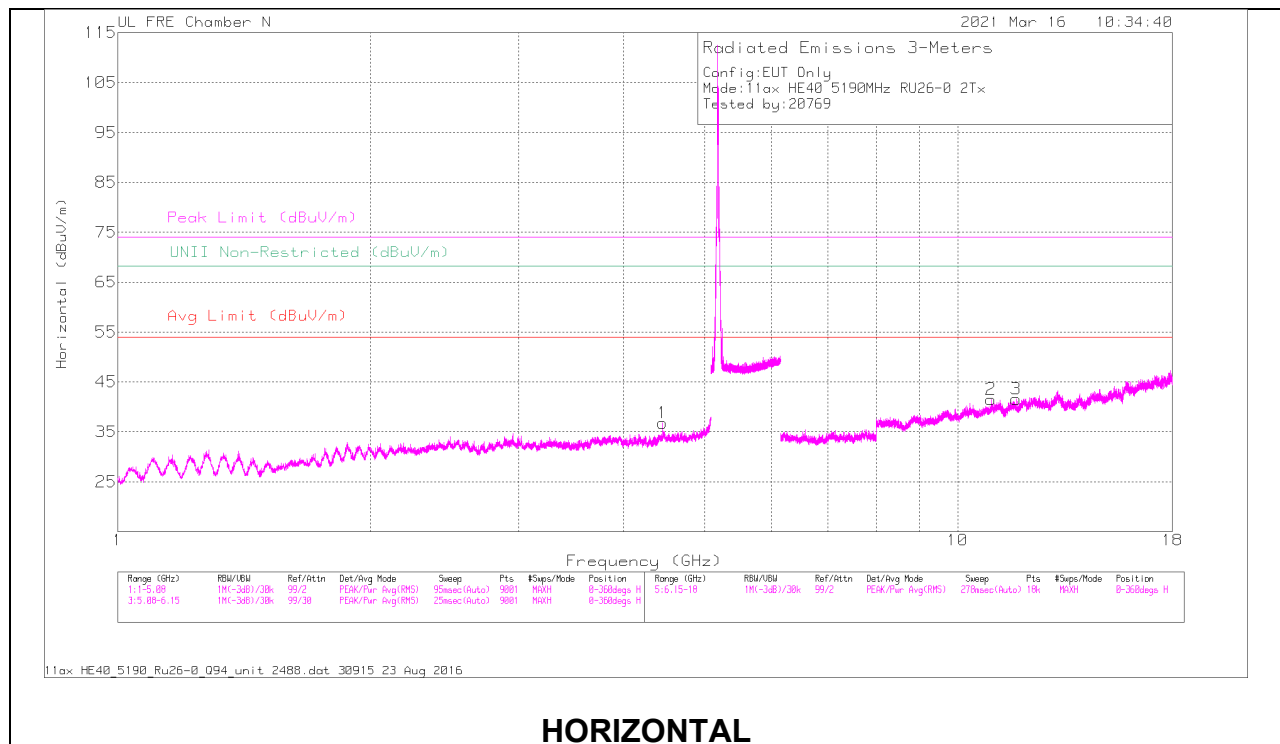
Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Mode	Sweep	Pts	#Seps/Mode	Position	Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Mode	Sweep	Pts	#Seps/Mode	Position
1:5-5.2	1M-3dB/3M	127/30	PEAK/Pre Avg(RMS)	9sec(Auto)	9801	16001	325 degs 230 on U	2:5-5.2	1M-3dB/3M	127/30	RUCV/Pre Avg(RMS)	9sec(Auto)	9801	16001	325 degs 230 on U

BE 5-5.26GHz - U.TST_jm4163 4 Jun 2020

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (dBm)	Amp/Cbl 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
2	5.14733	65.98	Pk	34.3	-31.8	68.48	-	-	74	-5.52	325	238	V
4	5.14789	45.19	RMS	34.3	-31.8	47.69	54	-6.31	-	-	325	238	V
1	5.15	61.03	Pk	34.3	-31.8	63.53	-	-	74	-10.47	325	238	V
3	5.15	44.59	RMS	34.3	-31.8	47.09	54	-6.91	-	-	325	238	V

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HARMONICS AND SPURIOUS EMISSIONS (11ax HE40 5190 2TX)**LOW CHANNEL RESULTS**

RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	4.45288	54.07	PK-U	34.1	-43.2	44.97	-	-	-	-	68.2	-23.23	80	321	H
	4.45645	42.2	ADR	34	-43.2	33	-	-	-	-	-	-	80	321	H

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 10.9522	51.02	PK-U	37.8	-39.2	49.62	-	-	74	-24.38	-	-	299	238	H
	* 10.9523	39.76	ADR	37.8	-39.3	38.26	54	-15.74	-	-	-	-	299	238	H
3	* 11.7311	50.6	PK-U	38.4	-38.3	50.7	-	-	74	-23.3	-	-	130	386	H
	* 11.7294	38.83	ADR	38.4	-38.3	38.93	54	-15.07	-	-	-	-	130	386	H

Range 6: Vertical 6150 - 18000MHz

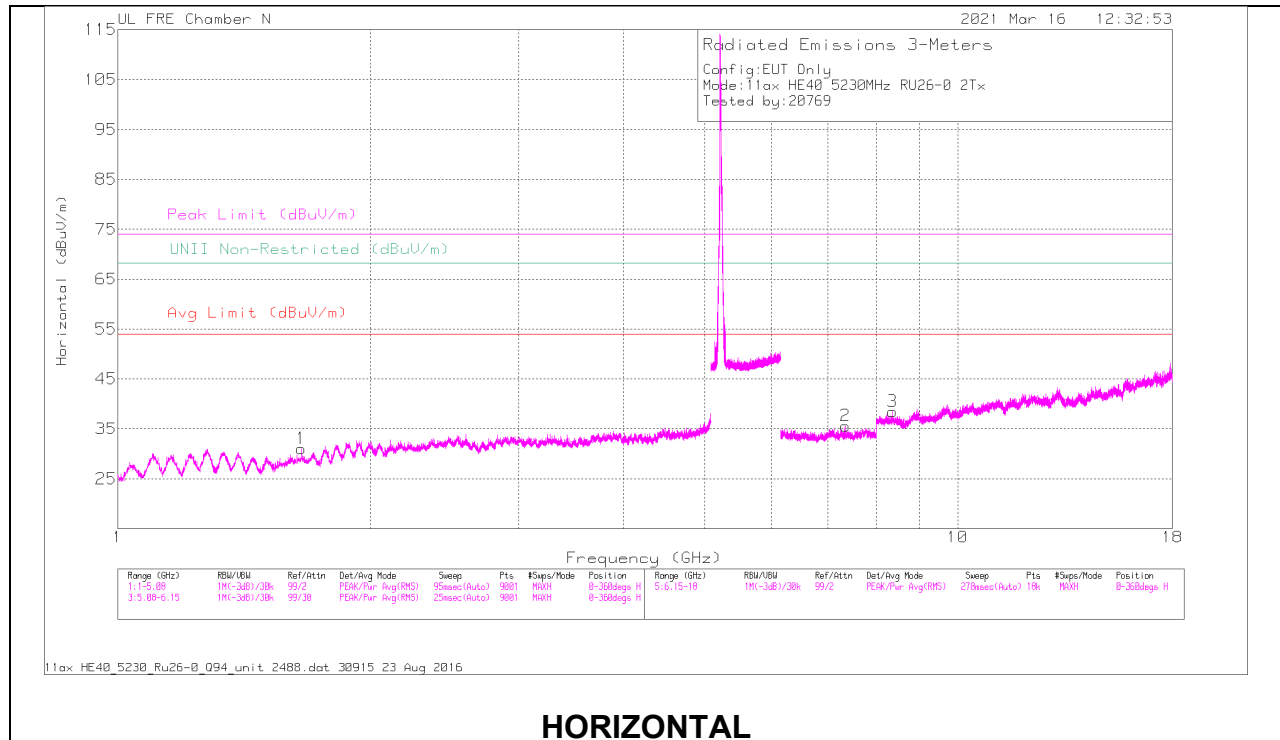
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	6.38634	52.29	PK-U	35.6	-41	46.89	-	-	-	-	68.2	-21.31	179	281	V
	6.38401	40.13	ADR	35.6	-40.9	34.83	-	-	-	-	-	-	179	281	V
5	10.3439	56.46	PK-U	37.5	-39.7	54.26	-	-	-	-	68.2	-13.94	137	106	V
	10.3441	46.75	ADR	37.5	-39.7	44.55	-	-	-	-	-	-	137	106	V
6	13.2059	50.93	PK-U	39.2	-37.4	52.73	-	-	-	-	68.2	-15.47	214	217	V
	13.2078	38.91	ADR	39.2	-37.4	40.71	-	-	-	-	-	-	214	217	V

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

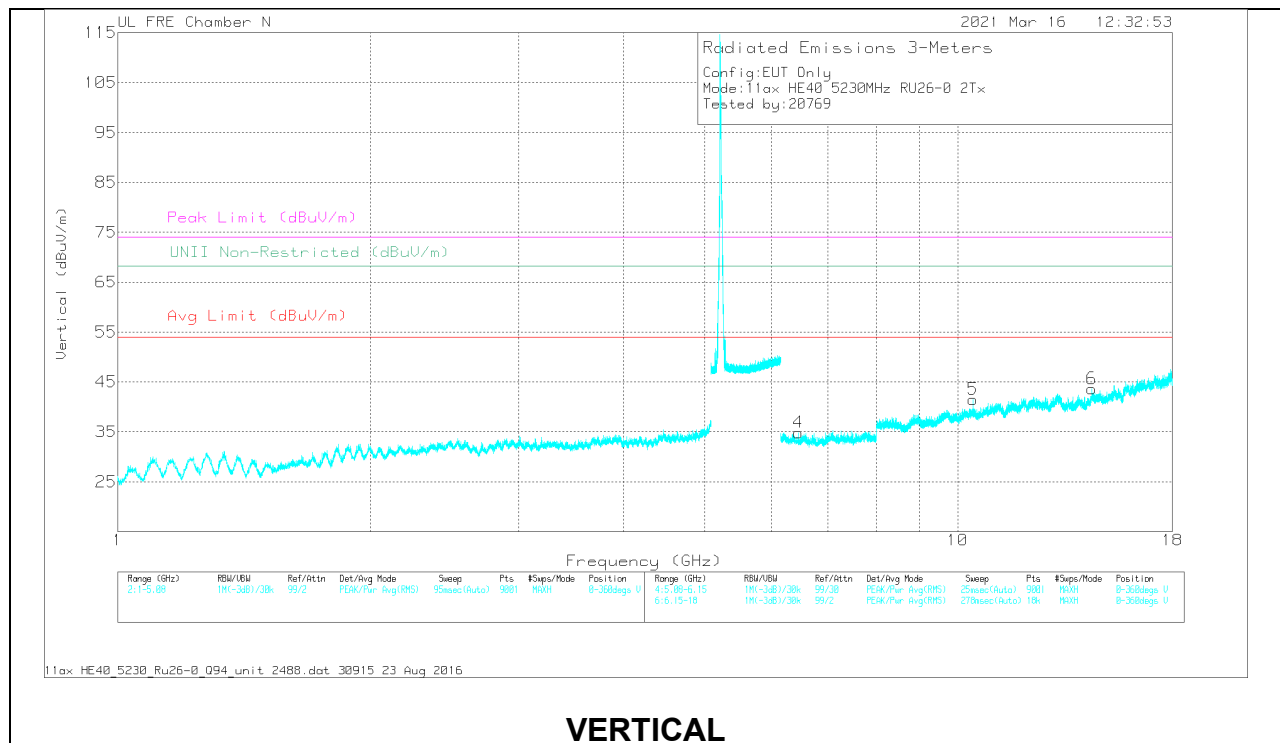
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	1.65428	57.64	PK-U	28.7	-46.8	39.54	-	-	-	-	68.2	-28.66	19	279	H
	1.65595	46.21	ADR	28.8	-46.8	28.21	-	-	-	-	-	-	19	279	H

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 7.35045	50.48	PK-U	35.6	-40.1	45.98	-	-	74	-28.02	-	-	112	290	H
	* 7.34975	38.87	ADR	35.6	-40.1	34.37	54	-19.63	-	-	-	-	112	290	H
3	* 8.36214	51.78	PK-U	35.9	-39.9	47.78	-	-	74	-26.22	-	-	120	324	H
	* 8.36102	39.46	ADR	35.9	-39.9	35.46	54	-18.54	-	-	-	-	120	324	H

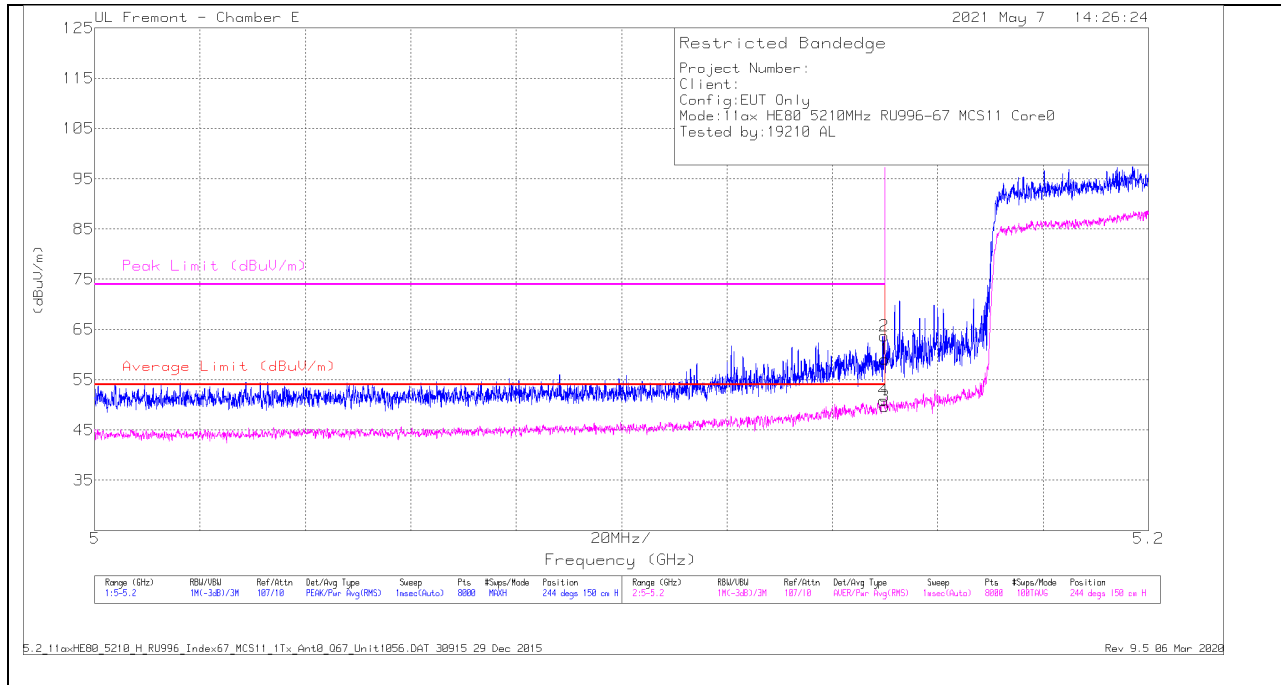
Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
4	6.46088	51.42	PK-U	35.6	-41.3	45.72	-	-	-	-	68.2	-22.48	203	252	V
	6.46382	40	ADR	35.6	-41.3	34.3	-	-	-	-	-	-	203	252	V
5	10.4232	54.45	PK-U	37.5	-40	51.95	-	-	-	-	68.2	-16.25	343	114	V
	10.4246	44.21	ADR	37.5	-40	41.71	-	-	-	-	-	-	343	114	V
6	14.4427	50.57	PK-U	39.4	-38	51.97	-	-	-	-	68.2	-16.23	168	308	V
	14.4422	39.46	ADR	39.4	-38	40.86	-	-	-	-	-	-	168	308	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 ANT 6 – 996 Tones, RU Index 67****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (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	46.01	PK	34.3	-21.2	59.11	-	-	74	-14.89	244	150	H
2	* 5.14984	50.6	PK	34.3	-21.2	63.7	-	-	74	-10.3	244	150	H
3	* 5.14999	36.49	RMS	34.3	-21.2	49.59	54	-4.41	-	-	244	150	H
4	* 5.14977	37.67	RMS	34.3	-21.2	50.77	54	-3.23	-	-	244	150	H

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

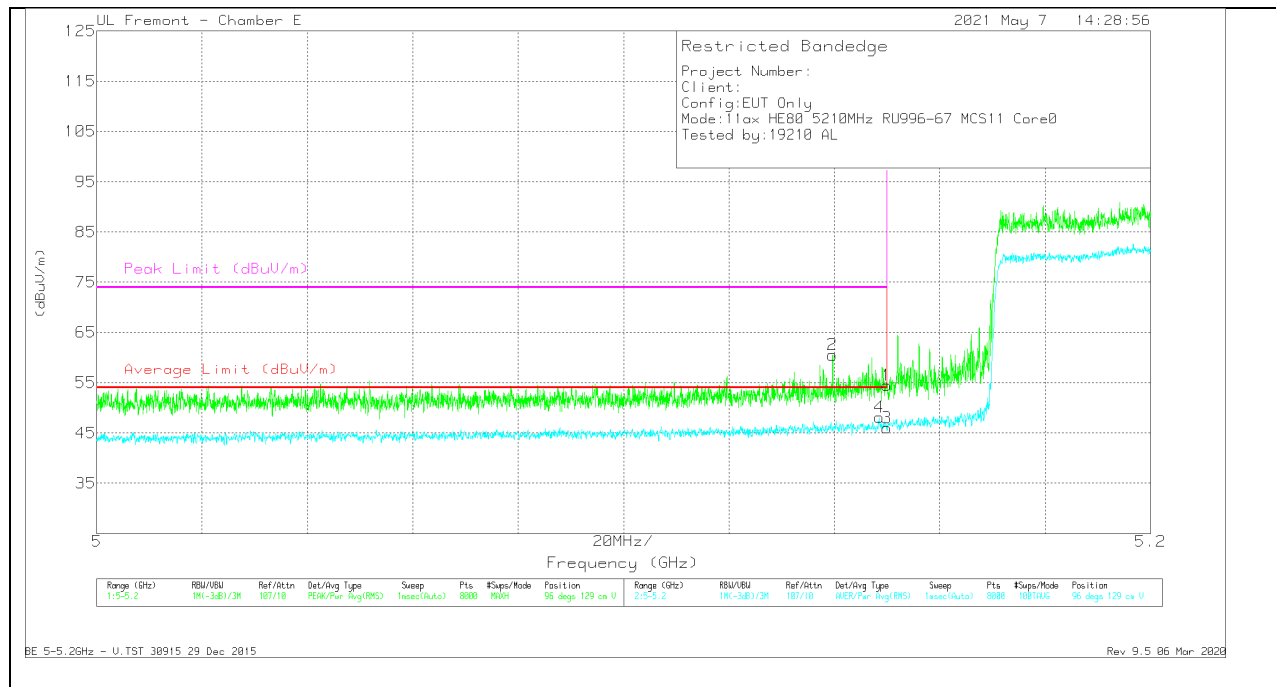
PK - Peak detector

RMS - RMS detection

5.2_11axHE80_5210_H_RU996_Index67_MCS11_1Tx_Ant0_Q67_Unit1056.DAT 30915 29 Dec 2015

Rev 9.5 06 Mar 2020

VERTICAL RESULT



Mark er	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	41.34	Pk	34.3	-21.2	54.44	-	-	74	-19.56	96	129	V
2	* 5.13967	47.24	PK	34.4	-21.1	60.54	-	-	74	-13.46	96	129	V
3	* 5.14999	32.82	RMS	34.3	-21.2	45.92	54	-8.08	-	-	96	129	V
4	* 5.14854	34.94	RMS	34.3	-21.2	48.04	54	-5.96	-	-	96	129	V

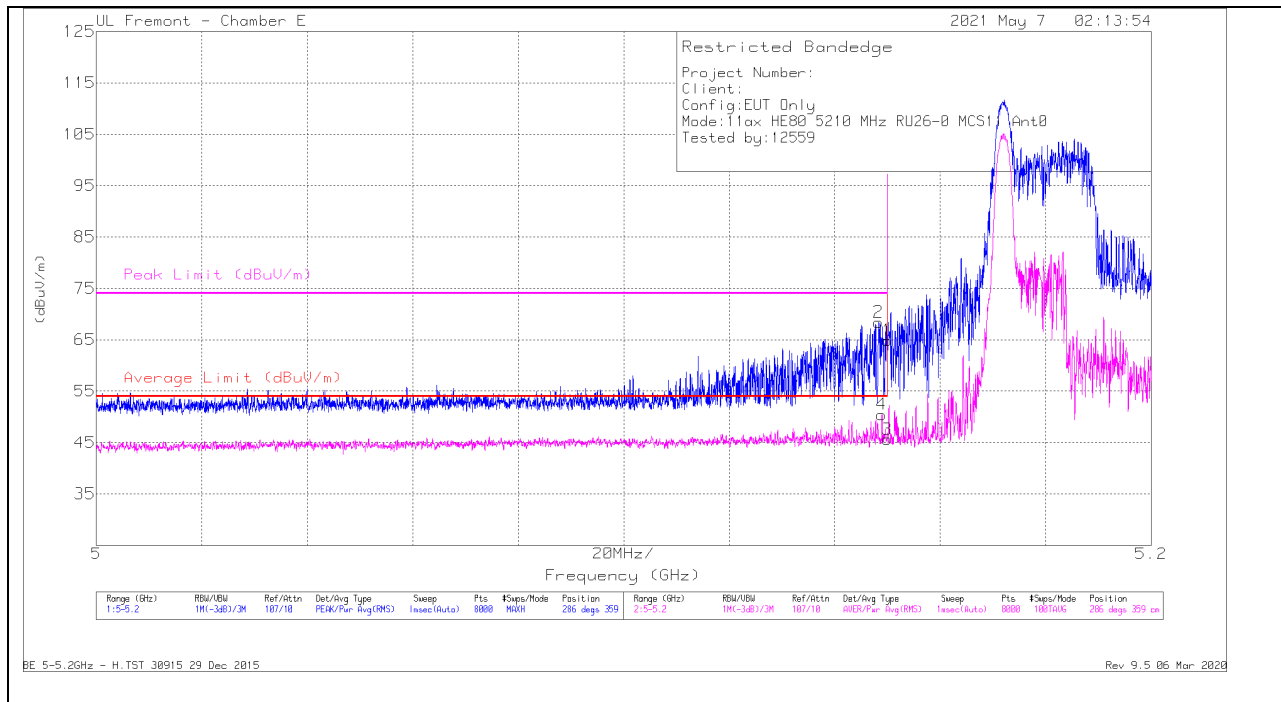
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

1TX ANT 6 – 26 Tones, RU Index 0**BANDEGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/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	51.76	Pk	34.3	-21.2	64.86	-	-	74	-9.14	286	359	H
2	* 5.14829	55.31	Pk	34.3	-21.2	68.41	-	-	74	-5.59	286	359	H
3	* 5.14999	32.53	RMS	34.3	-21.2	45.63	54	-8.37	-	-	286	359	H
4	* 5.14892	37.36	RMS	34.3	-21.2	50.46	54	-3.54	-	-	286	359	H

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

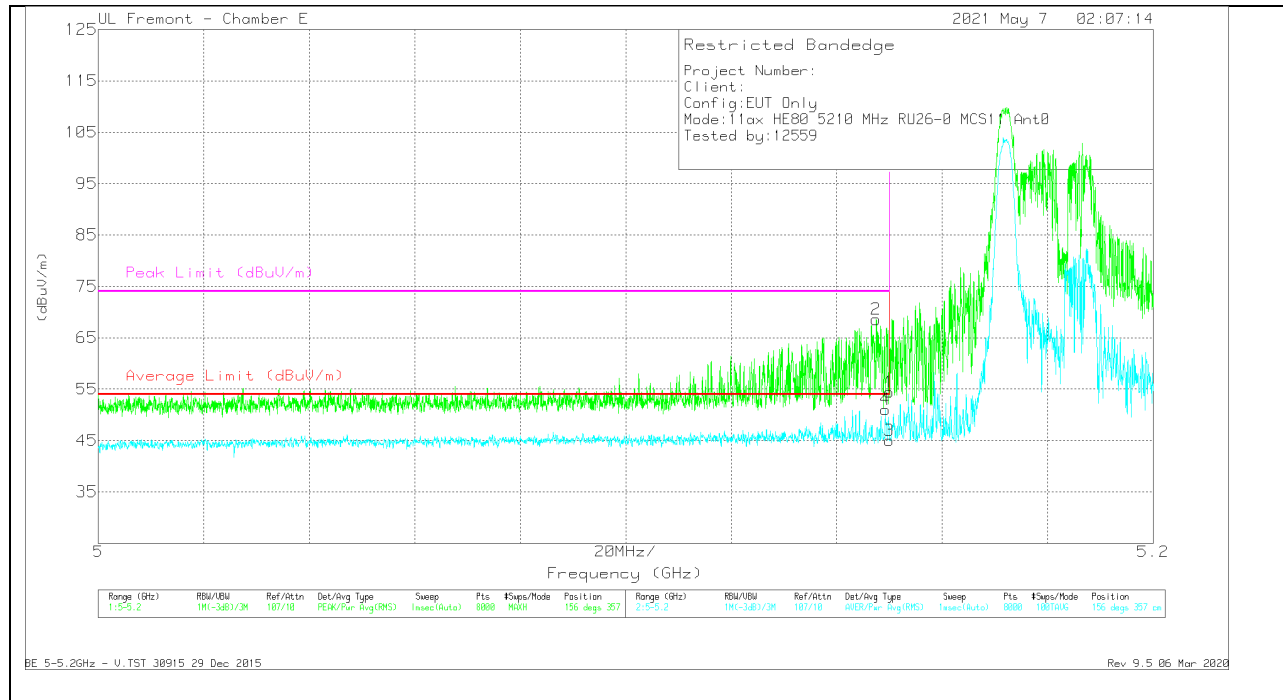
Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

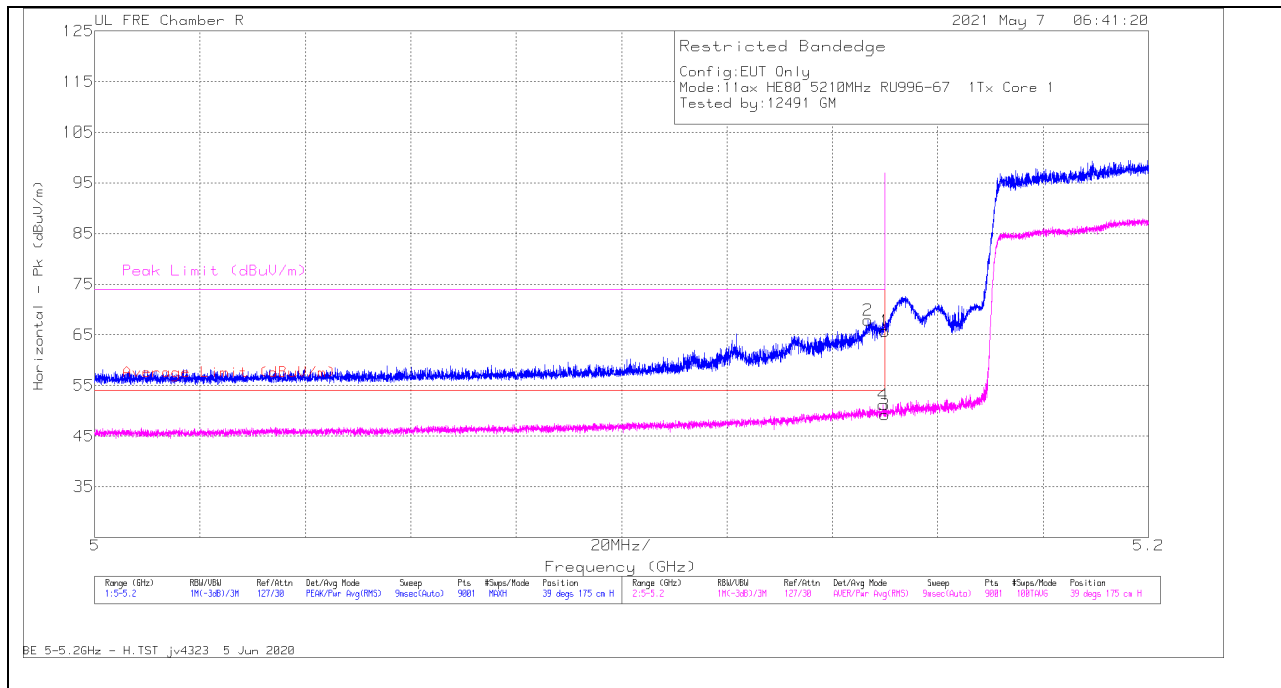
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cb/ 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	41.32	Pk	34.3	-21.2	54.42	-	-	74	-19.58	156	357	V
2	* 5.14749	55.49	Pk	34.3	-21.2	68.59	-	-	74	-5.41	156	357	V
3	* 5.14999	31.92	RMS	34.3	-21.2	45.02	54	-8.98	-	-	156	357	V
4	* 5.14924	37.96	RMS	34.3	-21.2	51.06	54	-2.94	-	-	156	357	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 06 Mar 2020

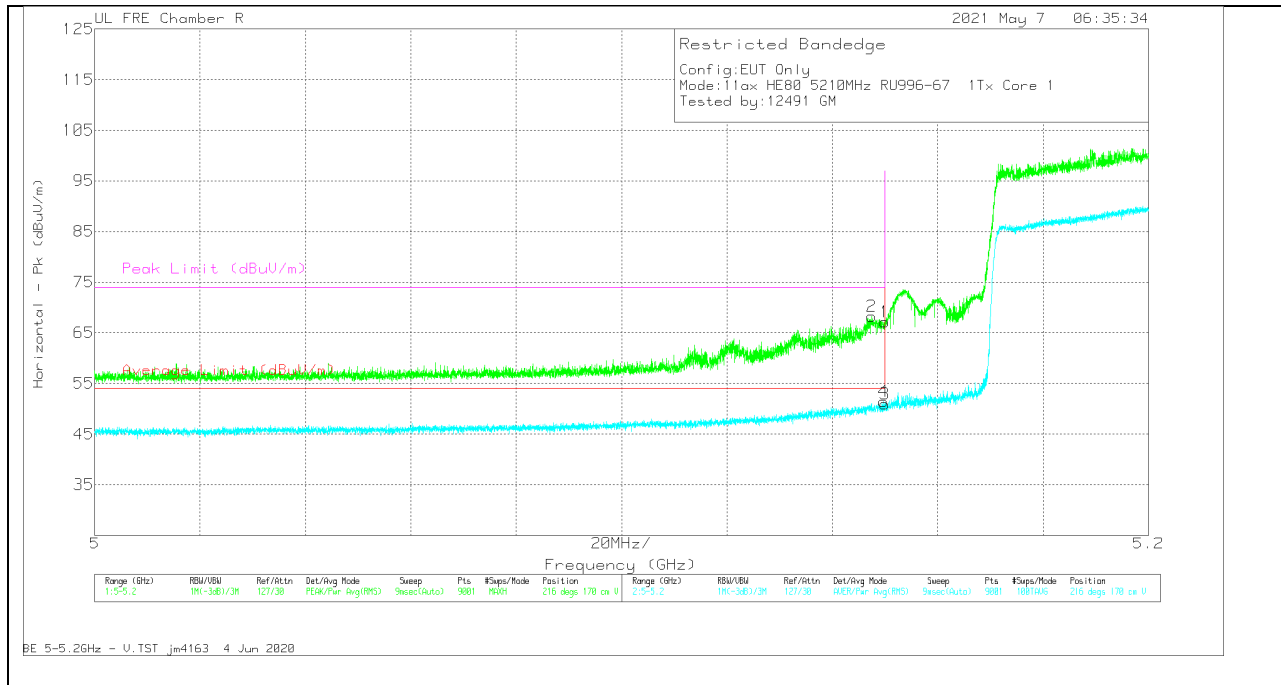
1TX ANT 5 – 996 Tones, RU Index 67**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (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
2	5.14675	65.39	Pk	34.3	-31.8	67.89	-	-	74	-6.11	39	175	H
4	5.14967	48.55	RMS	34.3	-31.8	51.05	54	-2.95	-	-	39	175	H
1	5.15	63.23	Pk	34.3	-31.8	65.73	-	-	74	-8.27	39	175	H
3	5.15	46.62	RMS	34.3	-31.8	49.12	54	-4.88	-	-	39	175	H

Pk - Peak detector

RMS - RMS detection

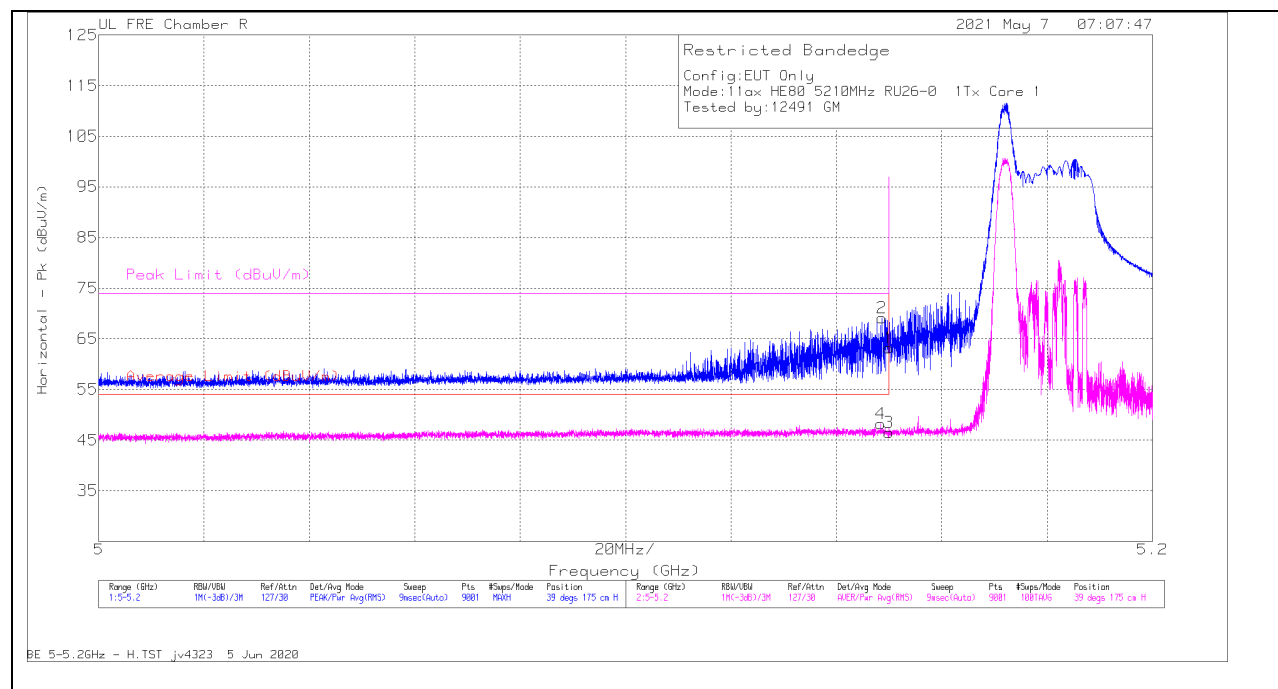
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02139 73 (dB/m)	Amp/Cbl/F ltr/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	5.14742	65.71	Pk	34.3	-31.8	68.21	-	-	74	-5.79	216	170	V
4	5.14978	48.95	RMS	34.3	-31.8	51.45	54	-2.55	-	-	216	170	V
1	5.15	64.7	Pk	34.3	-31.8	67.2	-	-	74	-6.8	216	170	V
3	5.15	48.48	RMS	34.3	-31.8	50.98	54	-3.02	-	-	216	170	V

Pk - Peak detector

RMS - RMS detection

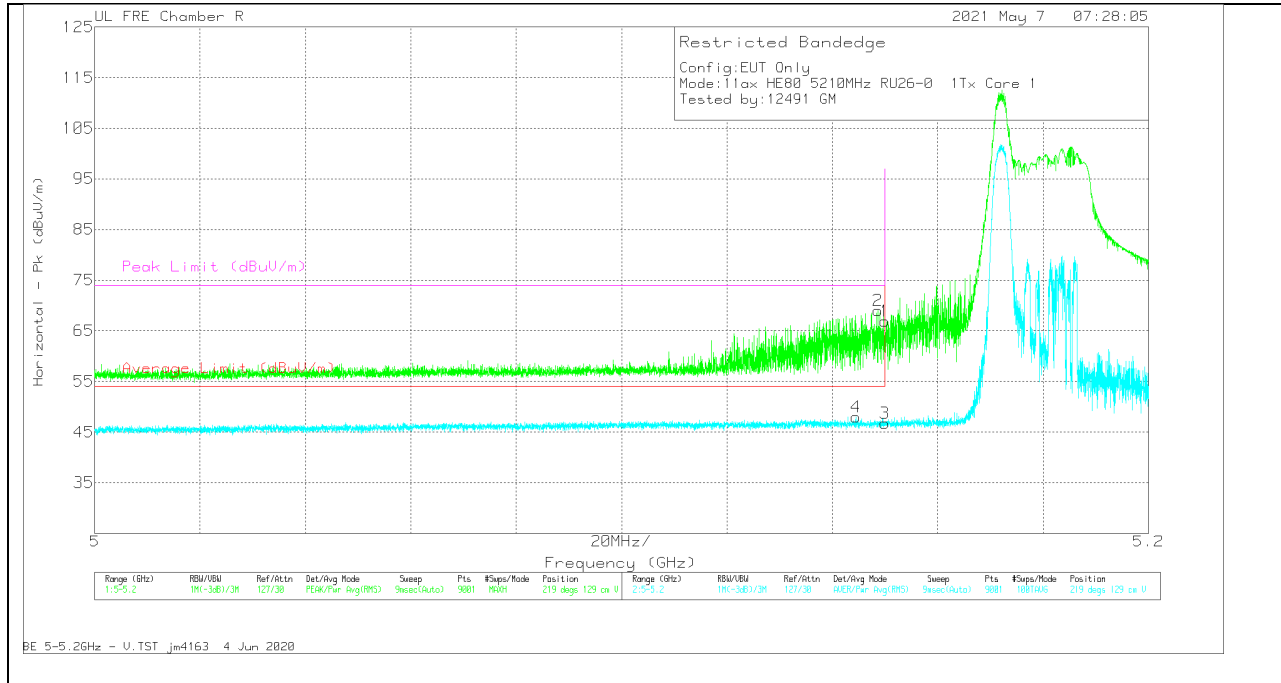
1TX ANT 5 – 26 Tones, RU Index 0**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (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
4	5.1484	45.7	RMS	34.3	-31.8	48.2	54	-5.8	-	-	39	175	H
2	5.14864	66.61	Pk	34.3	-31.8	69.11	-	-	74	-4.89	39	175	H
1	5.15	60.66	Pk	34.3	-31.8	63.16	-	-	74	-10.84	39	175	H
3	5.15	43.97	RMS	34.3	-31.8	46.47	54	-7.53	-	-	39	175	H

Pk - Peak detector

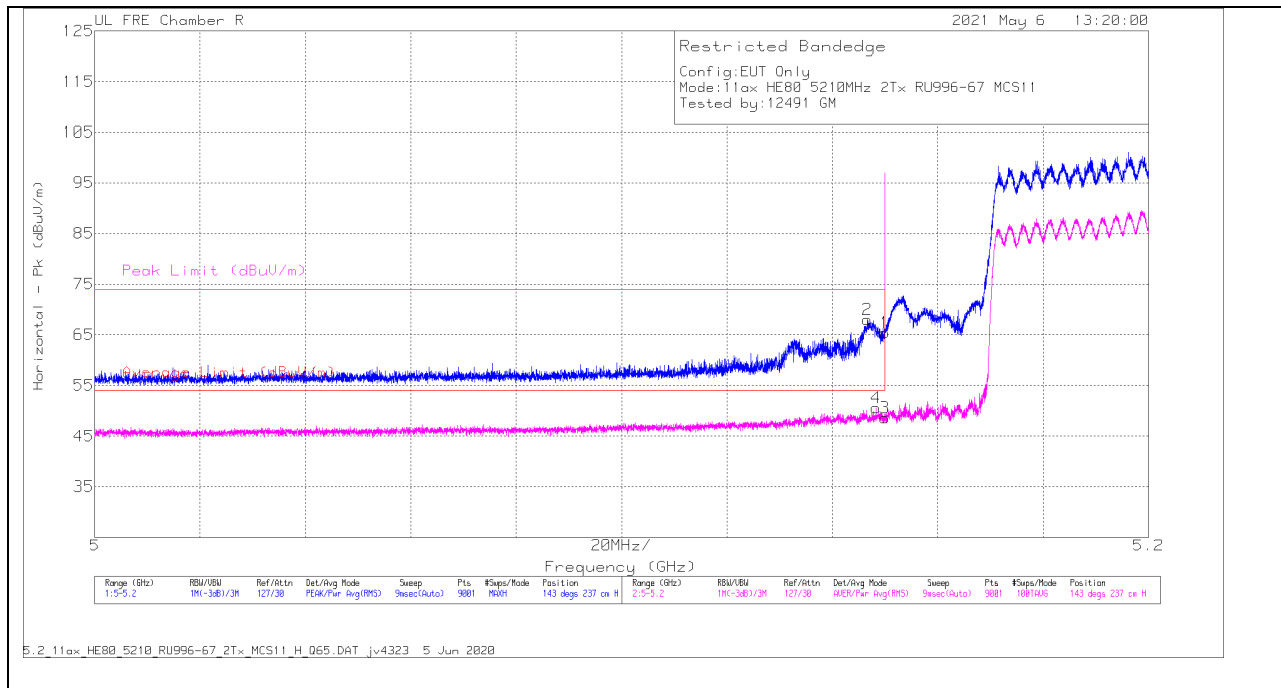
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (dB/m)	Amp/Cbl 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
4	5.14444	45.37	RMS	34.3	-31.7	47.97	54	-6.03	-	-	219	129	V
2	5.14871	66.53	Pk	34.3	-31.8	69.03	-	-	74	-4.97	219	129	V
1	5.15	64.36	Pk	34.3	-31.8	66.86	-	-	74	-7.14	219	129	V
3	5.15	44.29	RMS	34.3	-31.8	46.79	54	-7.21	-	-	219	129	V

Pk - Peak detector
RMS - RMS detection

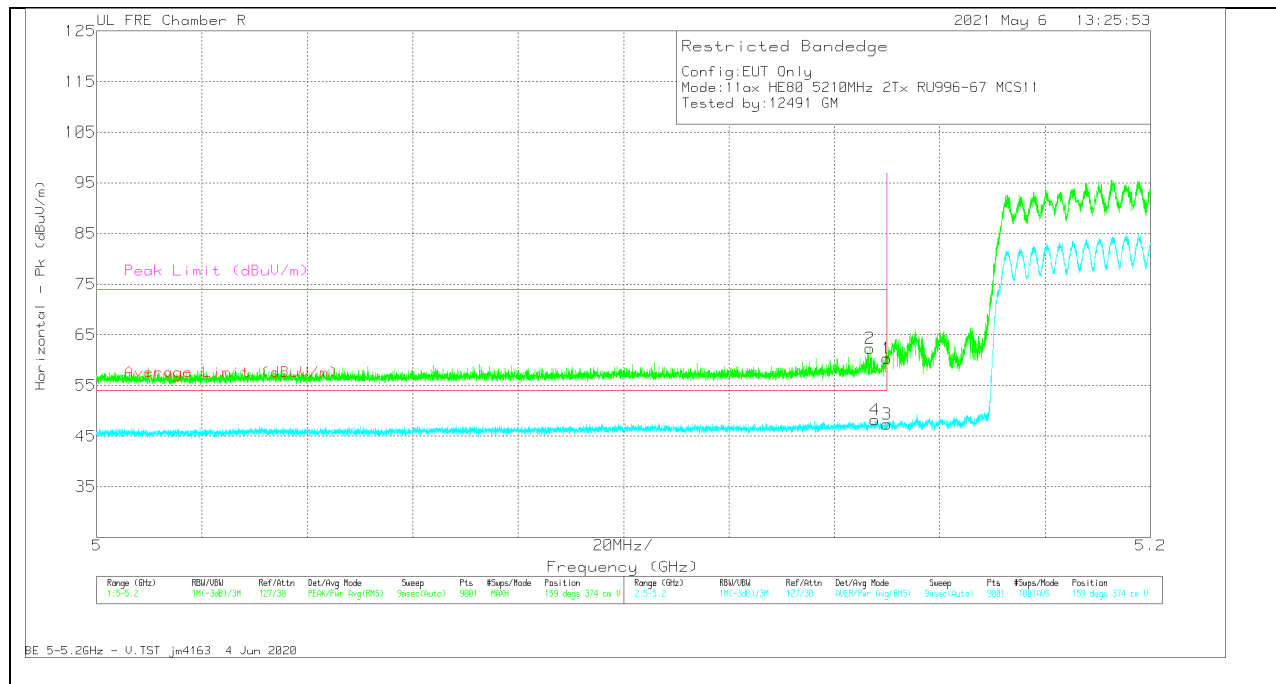
2TX ANT 6 + ANT 5 OFDMA MODE – 996 Tones, RU Index 67**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (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
2	5.14669	65.47	Pk	34.3	-31.8	67.97	-	-	74	-6.03	143	237	H
4	5.14829	47.94	RMS	34.3	-31.8	50.44	54	-3.56	-	-	143	237	H
1	5.15	62.86	Pk	34.3	-31.8	65.36	-	-	74	-8.64	143	237	H
3	5.15	46.01	RMS	34.3	-31.8	48.51	54	-5.49	-	-	143	237	H

Pk - Peak detector

RMS - RMS detection

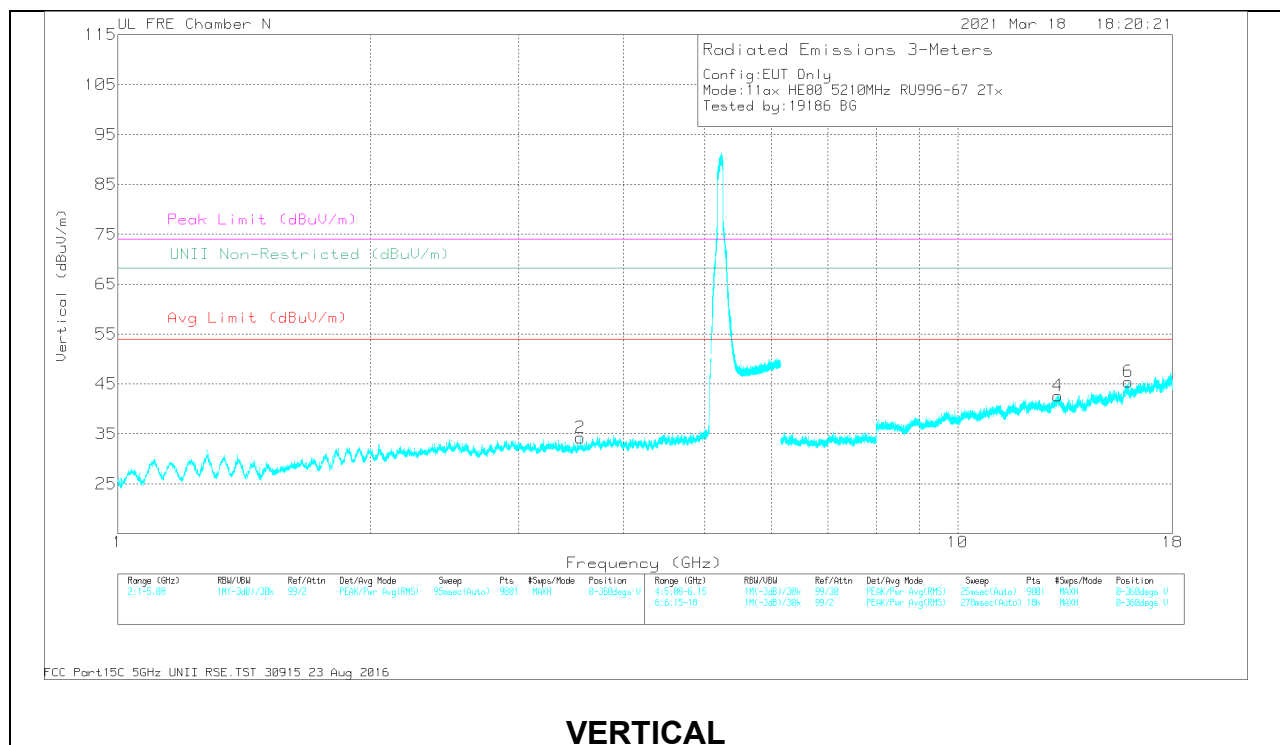
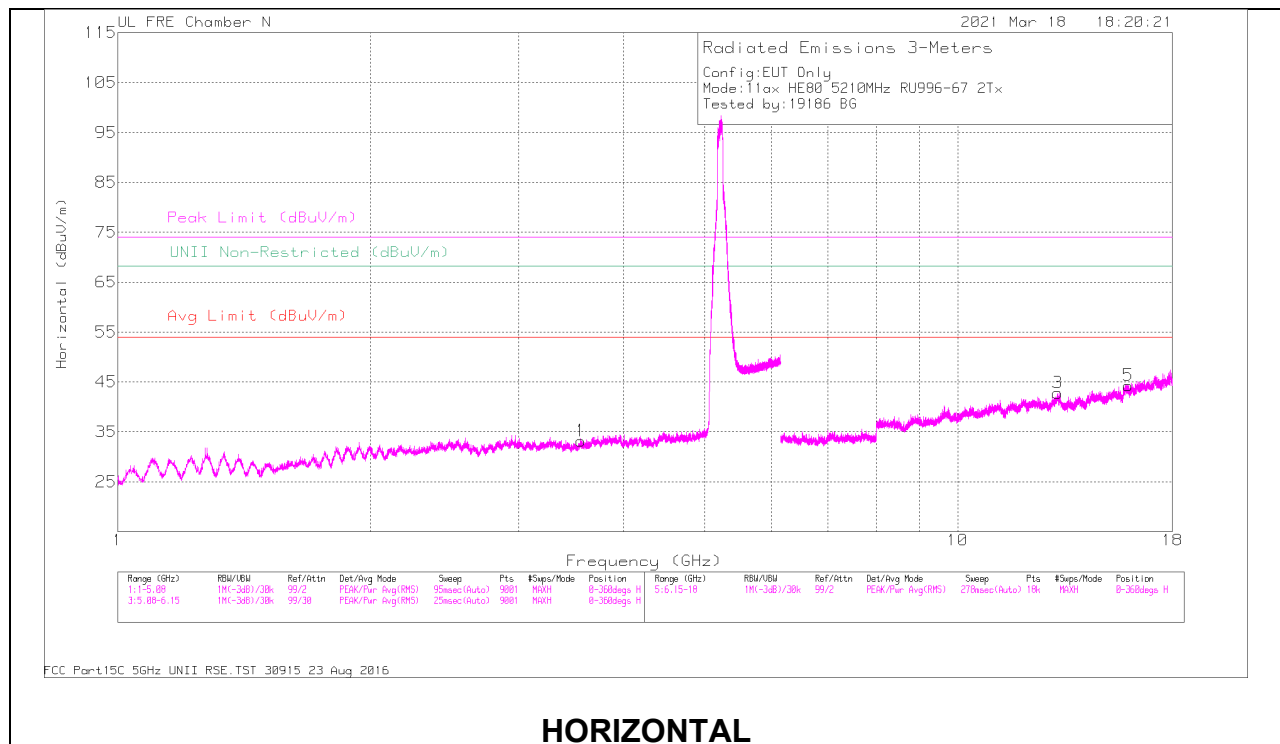
VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (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
2	5.14675	59.79	Pk	34.3	-31.8	62.29	-	-	74	-11.71	159	374	V
4	5.14771	45.67	RMS	34.3	-31.8	48.17	54	-5.83	-	-	159	374	V
1	5.15	57.9	Pk	34.3	-31.8	60.4	-	-	74	-13.6	159	374	V
3	5.15	44.74	RMS	34.3	-31.8	47.24	54	-6.76	-	-	159	374	V

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS (11ax HE80 996 2TX)**MID CHANNEL RESULTS**

RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 3.55986 * 3.5626	53.23 42.18	PK-U ADR	33.1 33.2	-43.6 -43.7	42.73 31.68	- 54	- -22.32	74 -	-31.27 -	- -	- -	235 235	237 237	H H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 3.55319 * 3.55351	53.9 41.94	PK-U ADR	33.1 33.1	-43.5 -43.5	43.5 31.54	- 54	- -22.46	74 -	-30.5 -	- -	- -	193 193	302 302	V V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	13.14748	50.09	PK-U	39.2	-37.2	52.09	-	-	-	-	68.2	-16.11	24	123	H
	13.1467	38.89	ADR	39.2	-37.2	40.89	-	-	-	-	-	-	24	123	H
5	* 15.95685	49.35	PK-U	40.4	-36.3	53.45	-	-	74	-20.55	-	-	158	365	H
	* 15.95606	37.78	ADR	40.4	-36.4	41.78	54	-12.22	-	-	-	-	158	365	H

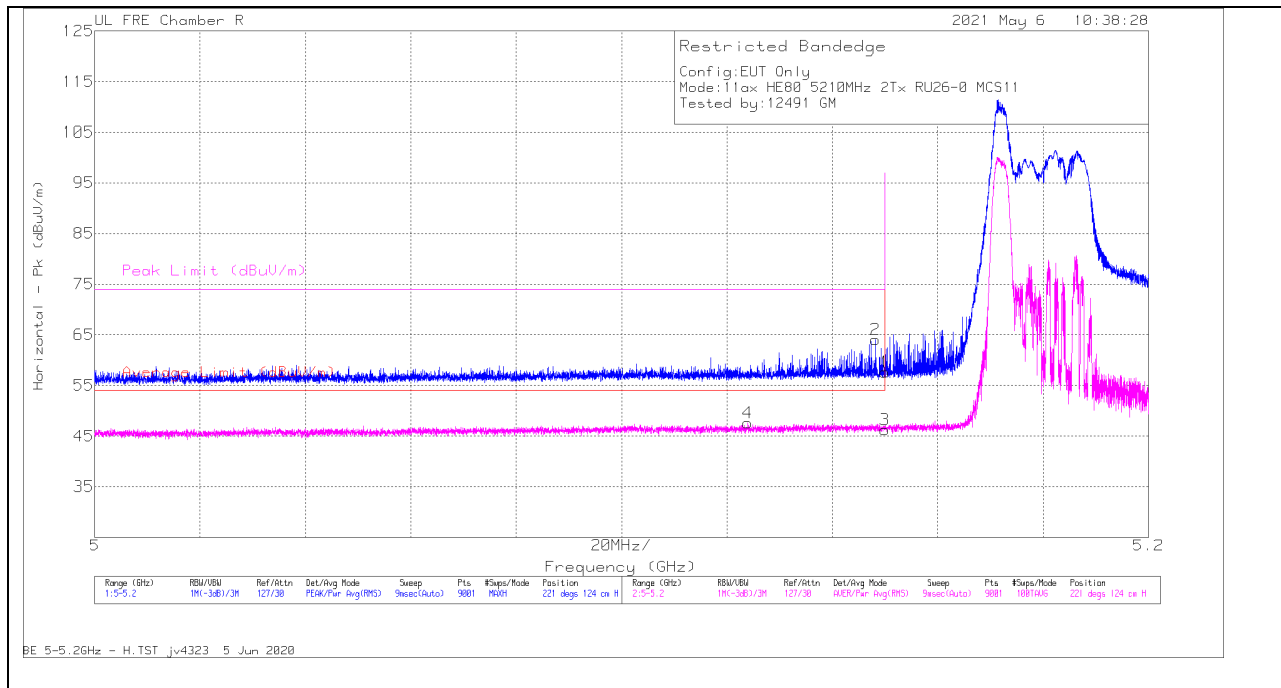
Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
4	13.15236	50.54	PK-U	39.3	-37.3	52.54	-	-	-	-	68.2	-15.66	153	389	V
	13.15322	38.92	ADR	39.3	-37.3	40.92	-	-	-	-	-	-	153	389	V
6	* 15.94874	49.14	PK-U	40.4	-36.4	53.14	-	-	74	-20.86	-	-	238	192	V
	* 15.95226	37.85	ADR	40.4	-36.4	41.85	54	-12.15	-	-	-	-	238	192	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

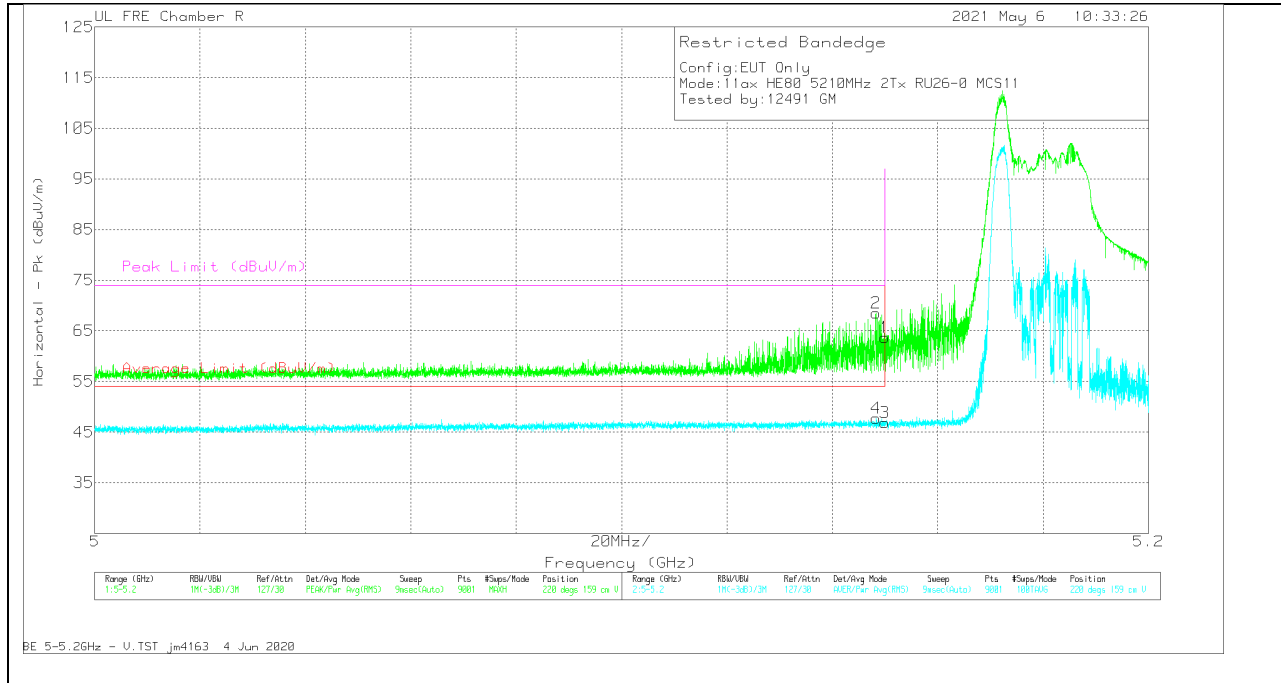
2TX ANT 6 + ANT 5 OFDMA MODE – 26 Tones, RU Index 0**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (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
4	5.12398	45.35	RMS	34.2	-31.9	47.65	54	-6.35	-	-	221	124	H
2	5.1482	61.59	Pk	34.3	-31.8	64.09	-	-	74	-9.91	221	124	H
1	5.15	55.09	Pk	34.3	-31.8	57.59	-	-	74	-16.41	221	124	H
3	5.15	43.77	RMS	34.3	-31.8	46.27	54	-7.73	-	-	221	124	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



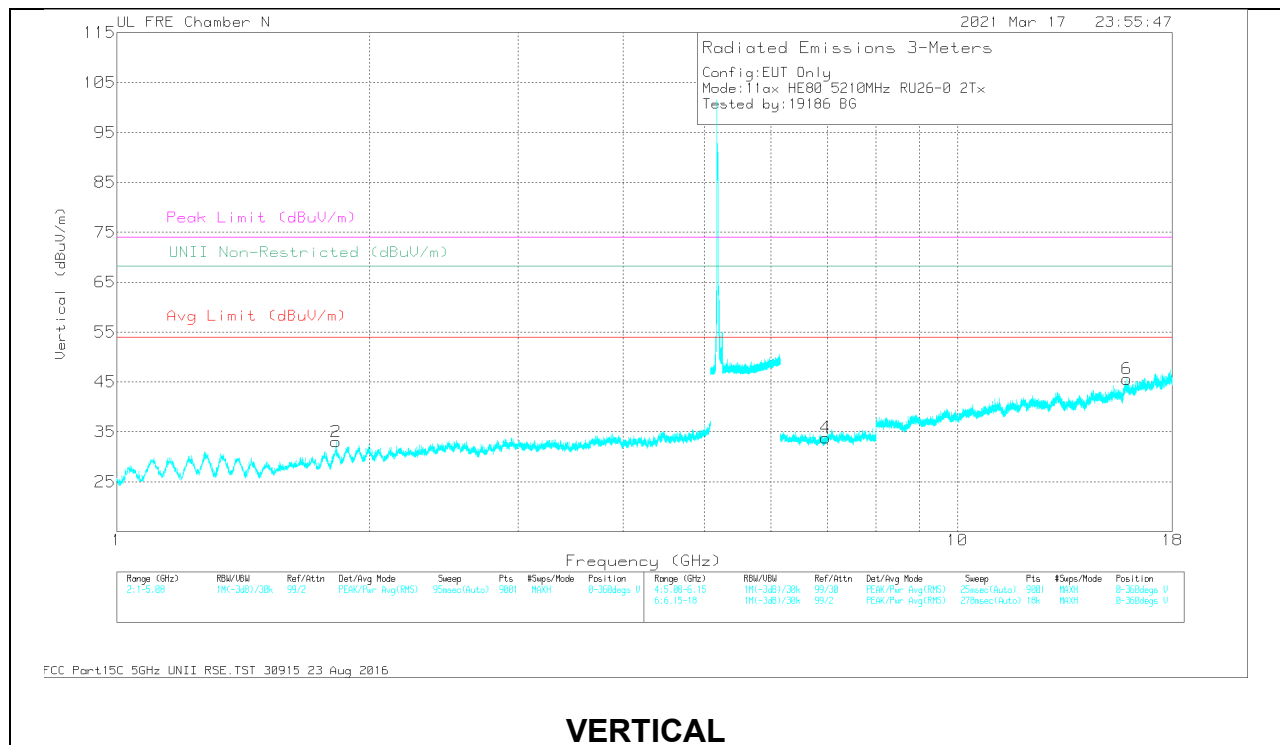
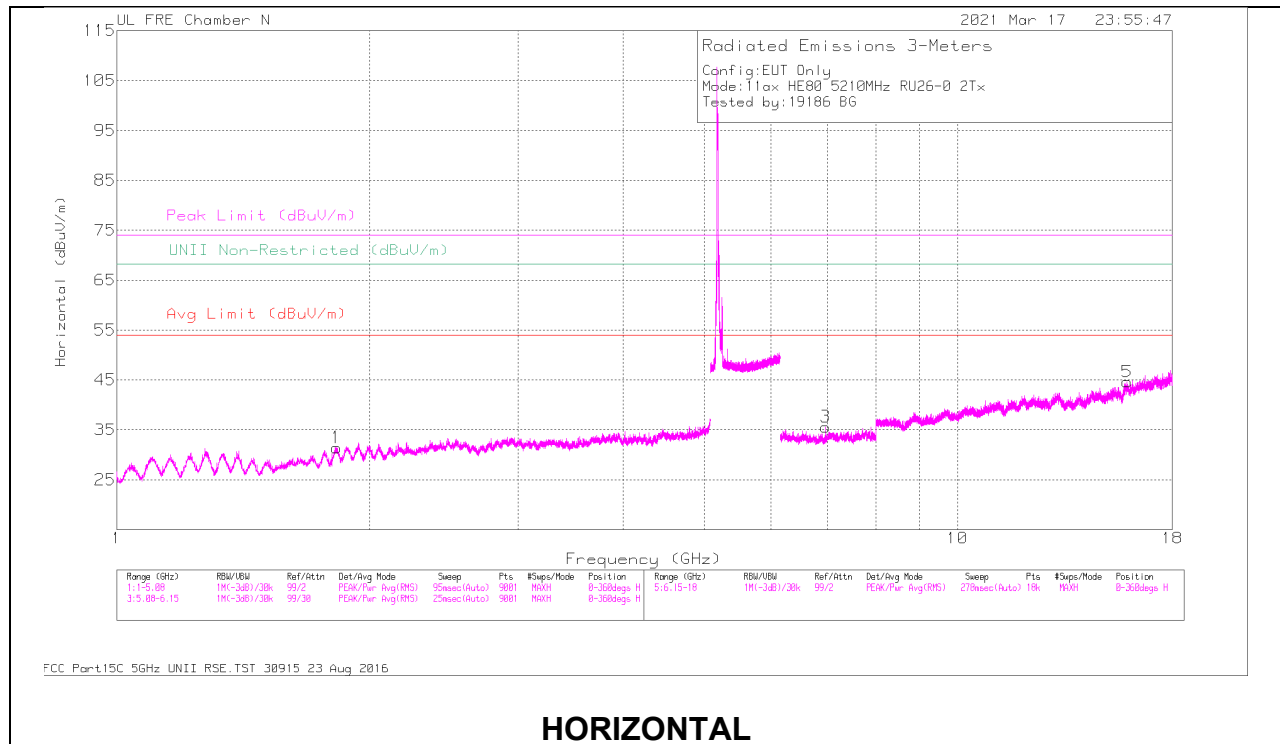
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.14824	66.01	Pk	34.3	-31.8	68.51	-	-	74	-5.49	220	159	V
4	5.14835	45.26	RMS	34.3	-31.8	47.76	54	-6.24	-	-	220	159	V
1	5.15	61.19	Pk	34.3	-31.8	63.69	-	-	74	-10.31	220	159	V
3	5.15	44.31	RMS	34.3	-31.8	46.81	54	-7.19	-	-	220	159	V

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	1.82545	58	PK-U	30.7	-46.9	41.8	-	-	-	-	68.2	-26.4	324	115	H
	1.82427	46.39	ADR	30.7	-46.9	30.19	-	-	-	-	-	-	324	115	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	1.82196	57.79	PK-U	30.7	-46.9	41.59	-	-	-	-	68.2	-26.61	194	200	V
	1.82516	46.05	ADR	30.7	-46.9	29.85	-	-	-	-	-	-	194	200	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	6.96895	50.83	PK-U	35.7	-40.8	45.73	-	-	-	-	68.2	-22.47	330	138	H
	6.96741	39.38	ADR	35.7	-40.9	34.18	-	-	-	-	-	-	330	138	H
5	* 15.9105	49.52	PK-U	40.3	-36.2	53.62	-	-	74	-20.38	-	-	69	366	H
	* 15.9080	37.94	ADR	40.4	-36.2	42.14	54	-11.86	-	-	-	-	69	366	H

Range 6: Vertical 6150 - 18000MHz

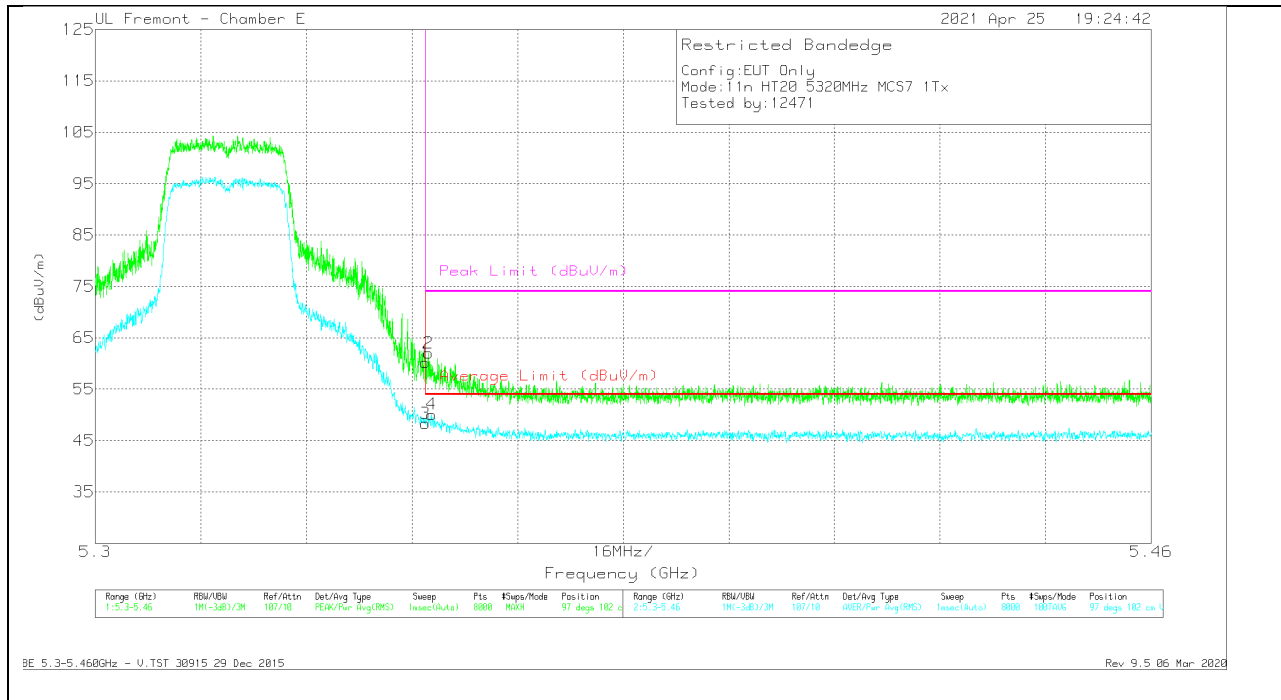
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	6.97073	50.9	PK-U	35.7	-40.7	45.9	-	-	-	-	68.2	-22.3	358	238	V
	6.96962	39.37	ADR	35.7	-40.8	34.27	-	-	-	-	-	-	358	238	V
6	* 15.898	49.87	PK-U	40.3	-36.5	53.67	-	-	74	-20.33	-	-	72	210	V
	* 15.896	38.41	ADR	40.3	-36.6	42.11	54	-11.89	-	-	-	-	72	210	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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	* 5.35001	46.25	Pk	34.7	-20.7	0	60.25	-	-	74	-13.75	97	102	V
2	* 5.35047	48.02	Pk	34.7	-20.7	0	62.02	-	-	74	-11.98	97	102	V
3	* 5.35001	33.93	RMS	34.7	-20.7	.37	48.3	54	-5.7	-	-	97	102	V
4	* 5.35095	35.72	RMS	34.7	-20.7	.37	50.09	54	-3.91	-	-	97	102	V

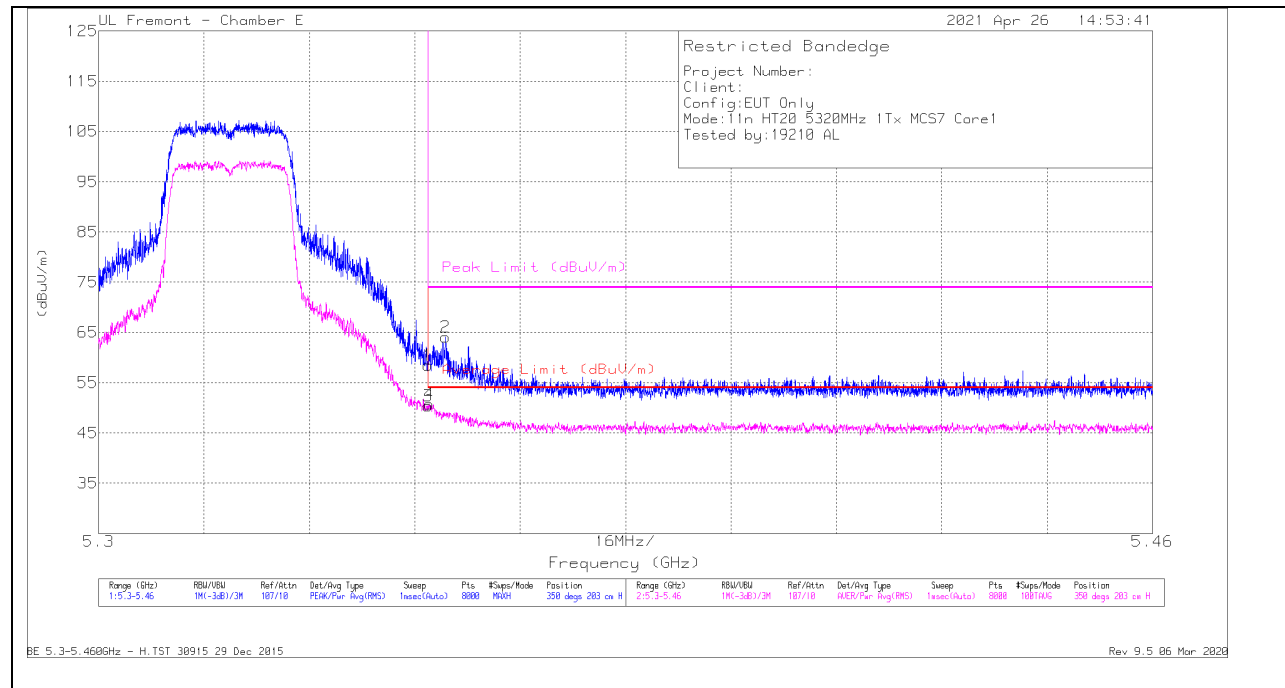
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

1TX ANT 5**BANDEGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (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	* 5.35001	44.52	Pk	34.7	-20.7	0	58.52	-	-	74	-15.48	350	203	H
2	* 5.35267	50.13	Pk	34.7	-20.7	0	64.13	-	-	74	-9.87	350	203	H
3	* 5.35001	35.96	RMS	34.7	-20.7	.37	50.33	54	-3.67	-	-	350	203	H
4	* 5.35017	36.41	RMS	34.7	-20.7	.37	50.78	54	-3.22	-	-	350	203	H

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

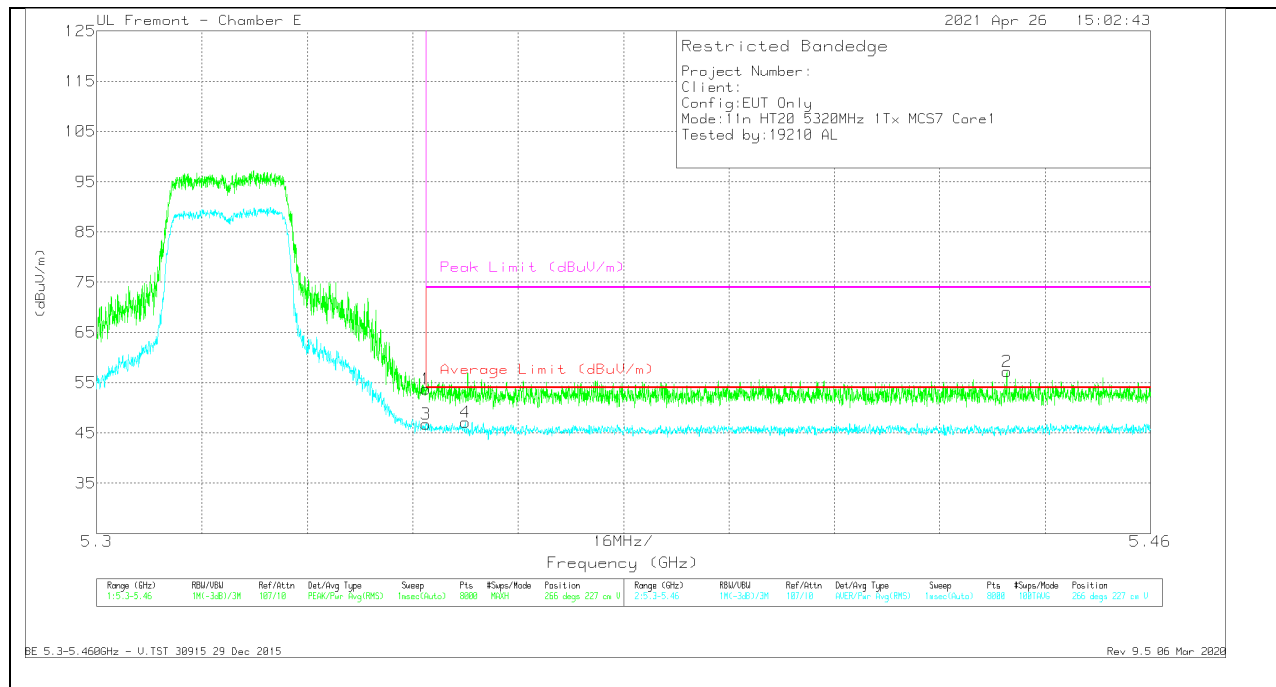
PK - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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	* 5.35001	39.73	Pk	34.7	-20.7	0	53.73	-	-	74	-20.27	266	227	V
2	* 5.43818	43.09	Pk	34.7	-20.6	0	57.19	-	-	74	-16.81	266	227	V
3	* 5.35001	32.35	RMS	34.7	-20.7	.37	46.72	54	-7.28	-	-	266	227	V
4	* 5.35597	32.79	RMS	34.7	-20.7	.37	47.16	54	-6.84	-	-	266	227	V

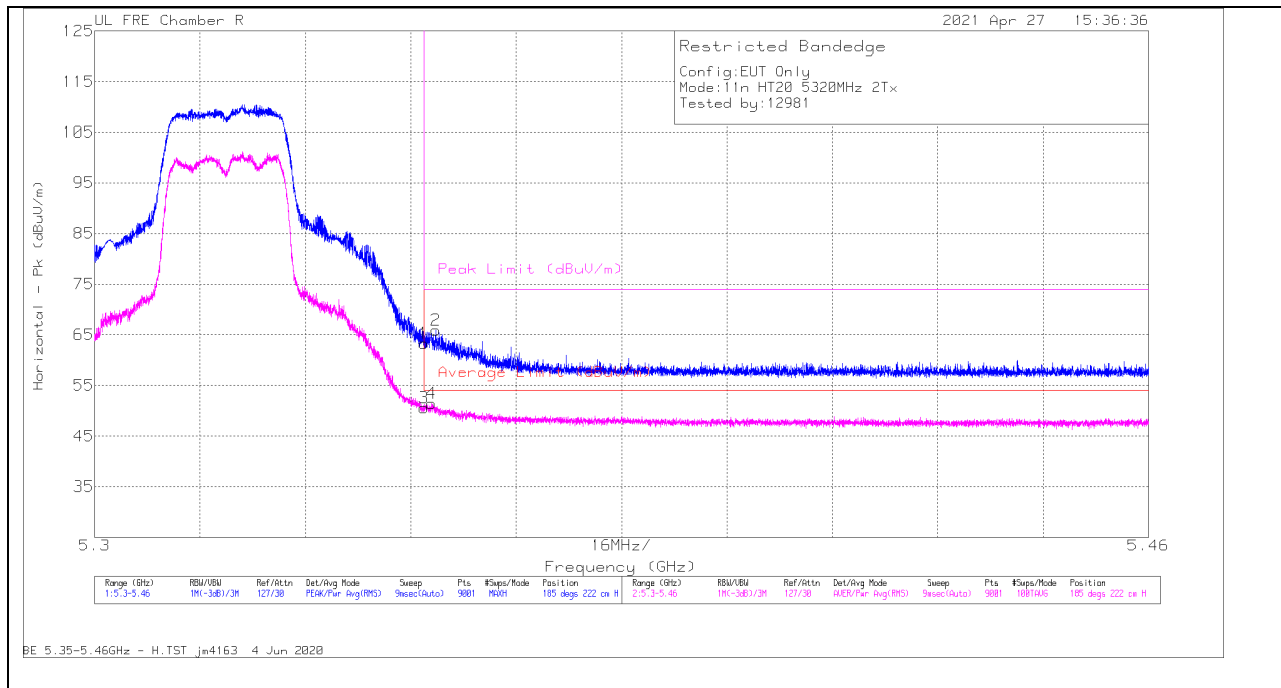
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

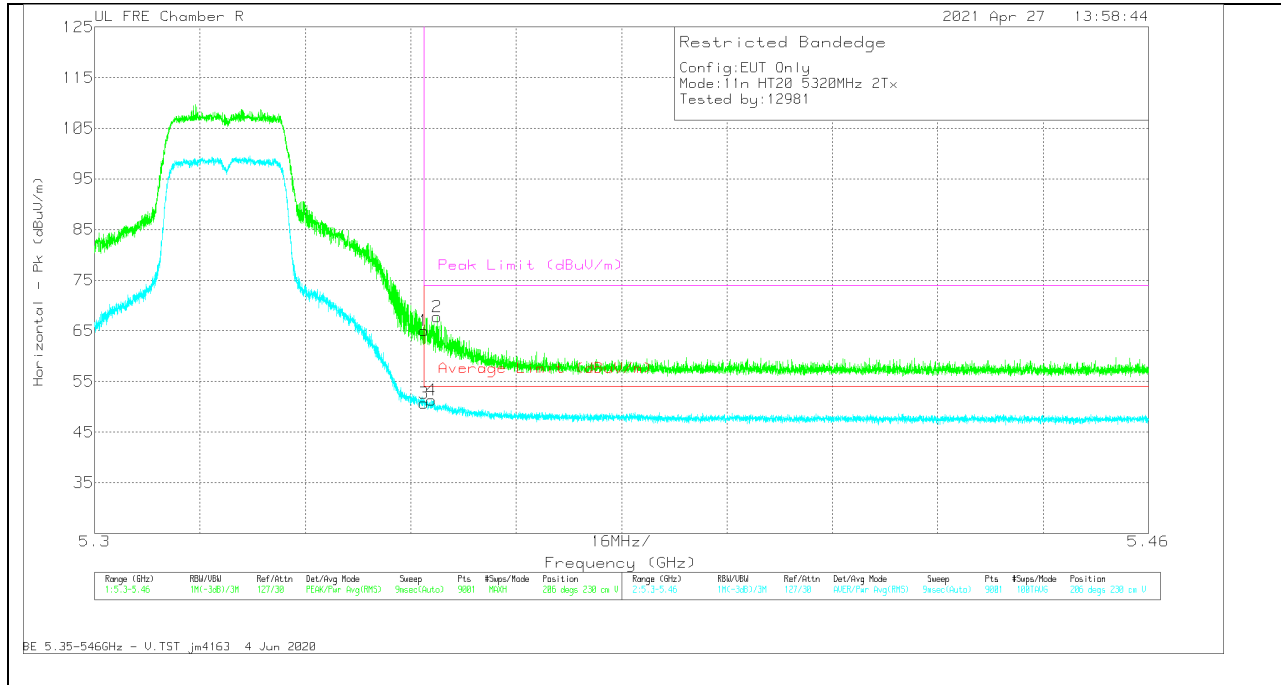
2TX ANT 6 + ANT 5 CDD MODE**BANDEGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3973 (dB/m)	Amp/Cbl /Filt/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	5.35001	60.22	Pk	34.4	-31.3	0	63.32	-	-	74	-10.68	185	222	H
3	5.35001	46.9	RMS	34.4	-31.3	.61	50.61	54	-3.39	-	-	185	222	H
4	5.35111	47.71	RMS	34.4	-31.3	.61	51.42	54	-2.58	-	-	185	222	H
2	5.35184	62.76	Pk	34.4	-31.3	0	65.86	-	-	74	-8.14	185	222	H

Pk - Peak detector

RMS - RMS detection

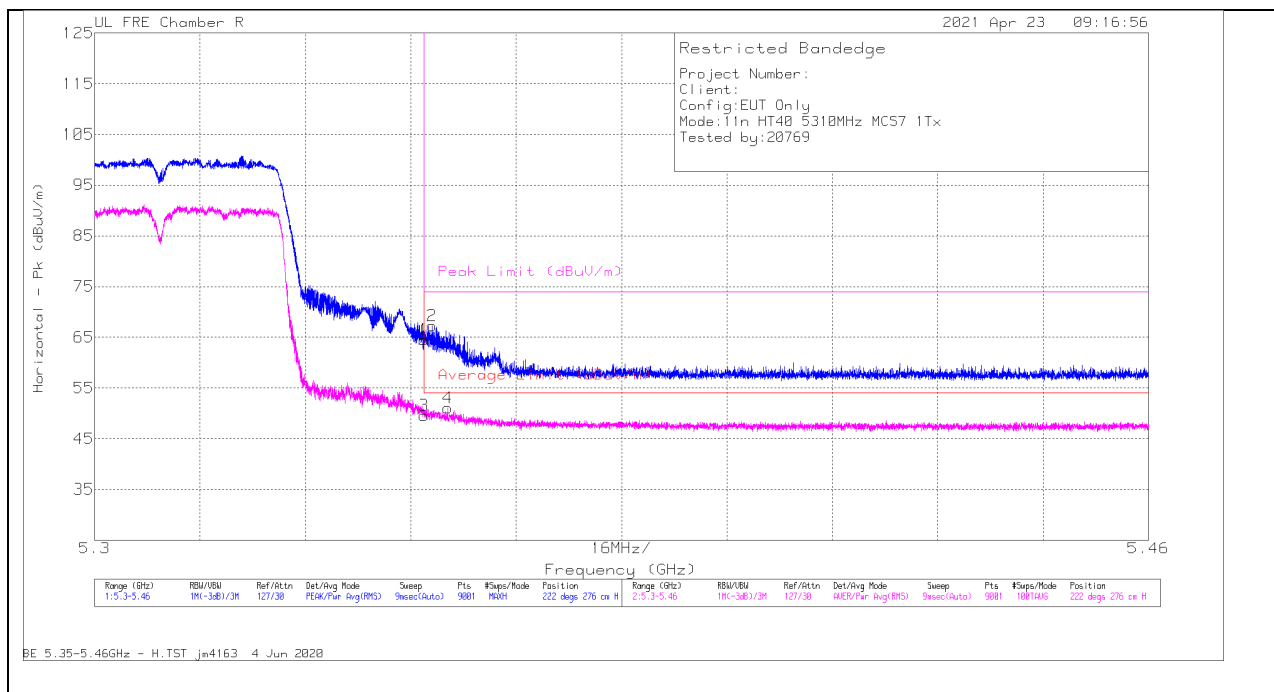
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3973 (dB/m)	Amp/Cbl /Filt/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	5.35001	61.93	Pk	34.4	-31.3	0	65.03	-	-	74	-8.97	206	230	V
3	5.35001	46.97	RMS	34.4	-31.3	.61	50.68	54	-3.32	-	-	206	230	V
4	5.35117	47.57	RMS	34.4	-31.3	.61	51.28	54	-2.72	-	-	206	230	V
2	5.352	64.67	Pk	34.4	-31.3	0	67.77	-	-	74	-6.23	206	230	V

Pk - Peak detector

RMS - RMS detection

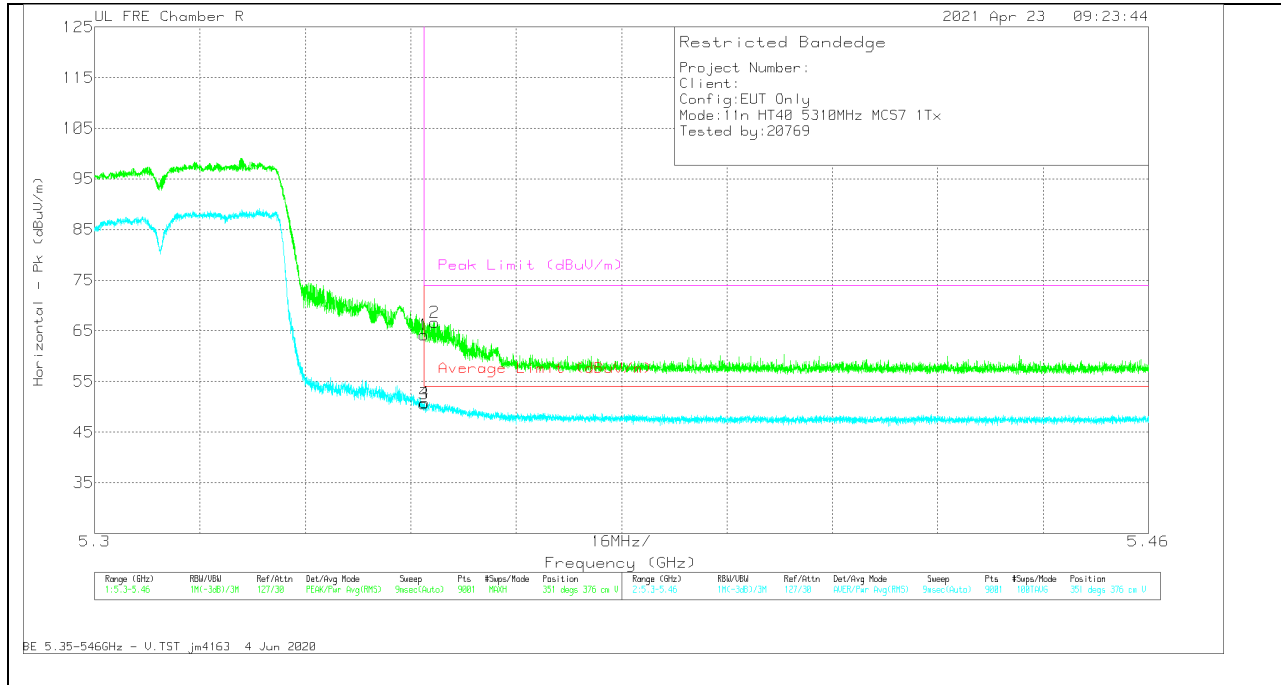
1.1.8. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND**1TX ANT 6****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021397 3 (dBm)	Amp/CbI/Ftr /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	5.35001	61.45	Pk	34.4	-31.3	0	64.55	-	-	74	-9.45	222	276	H
3	5.35001	45.79	RMS	34.4	-31.3	.62	49.51	54	-4.49	-	-	222	276	H
2	5.3512	64.17	Pk	34.4	-31.3	0	67.27	-	-	74	-6.73	222	276	H
4	5.35358	47.33	RMS	34.4	-31.3	.62	51.05	54	-2.95	-	-	222	276	H

Pk - Peak detector

RMS - RMS detection

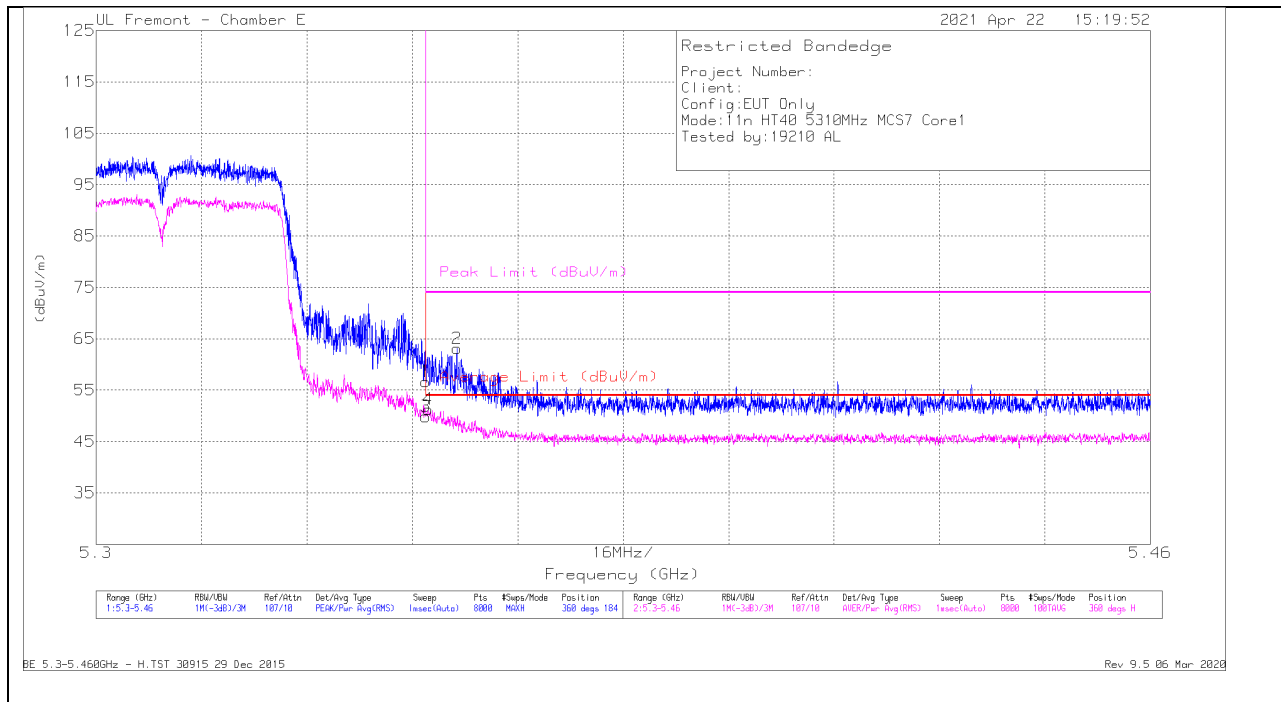
VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3973 (dB/m)	Amp/Cbl /Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	61.05	Pk	34.4	-31.3	0	64.15	-	-	74	-9.85	351	376	V
3	5.35001	46.88	RMS	34.4	-31.3	.62	50.60	54	-3.40	-	-	351	376	V
4	5.3501	47.05	RMS	34.4	-31.3	.62	50.77	54	-3.23	-	-	351	376	V
2	5.35163	63.6	Pk	34.4	-31.3	0	66.7	-	-	74	-7.3	351	376	V

Pk - Peak detector

RMS - RMS detection

1TX ANT 5**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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	* 5.35001	42.67	Pk	34.7	-20.7	0	56.67	-	-	74	-17.33	360	184	H
3	* 5.35001	35.25	RMS	34.7	-20.7	.62	49.87	54	-4.13	-	-	360	184	H
4	* 5.35037	36.65	RMS	34.7	-20.7	.62	51.27	54	-2.73	-	-	360	184	H
2	* 5.35477	49.1	Pk	34.7	-20.7	0	63.1	-	-	74	-10.9	360	184	H

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

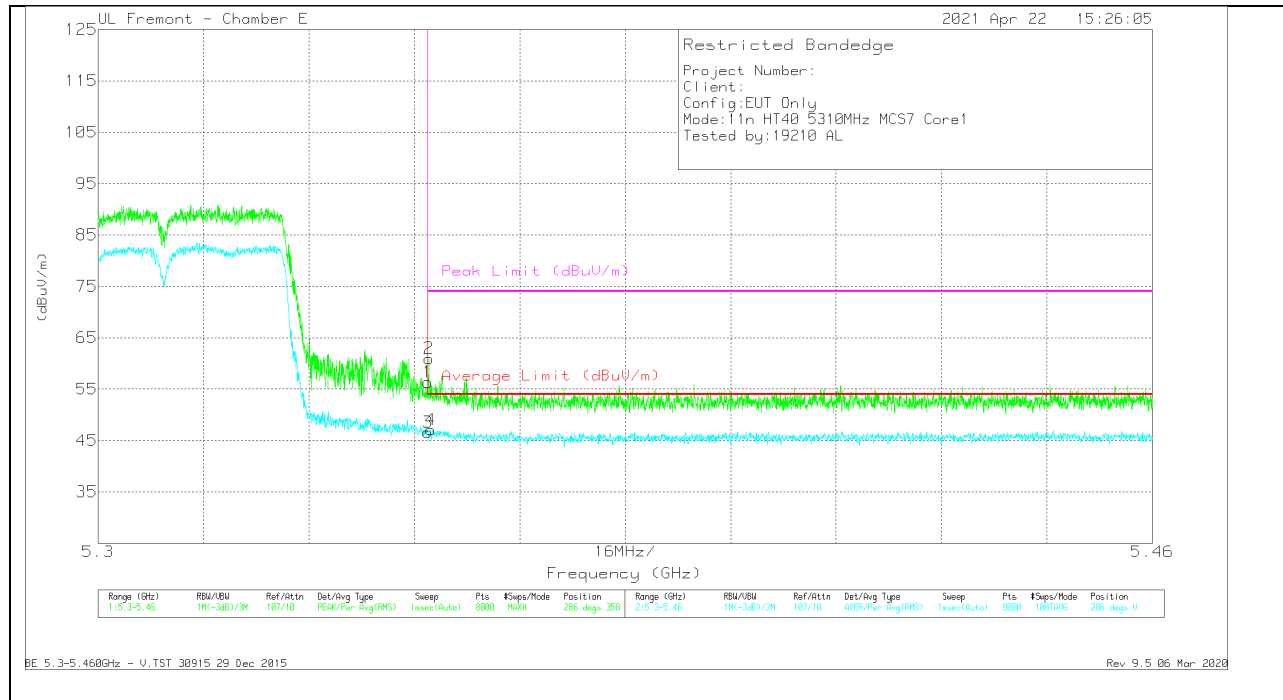
Pk - Peak detector

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 PRE007 8107 (dB/m)	Amp/Cb I/Filt/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	* 5.35001	42.36	Pk	34.7	-20.7	0	56.36	-	-	74	-17.64	286	358	V
3	* 5.35001	31.99	RMS	34.7	-20.7	.62	46.61	54	-7.39	-	-	286	358	V
2	* 5.35021	46.96	Pk	34.7	-20.7	0	60.96	-	-	74	-13.04	286	358	V
4	* 5.35049	32.45	RMS	34.7	-20.7	.62	47.07	54	-6.93	-	-	286	358	V

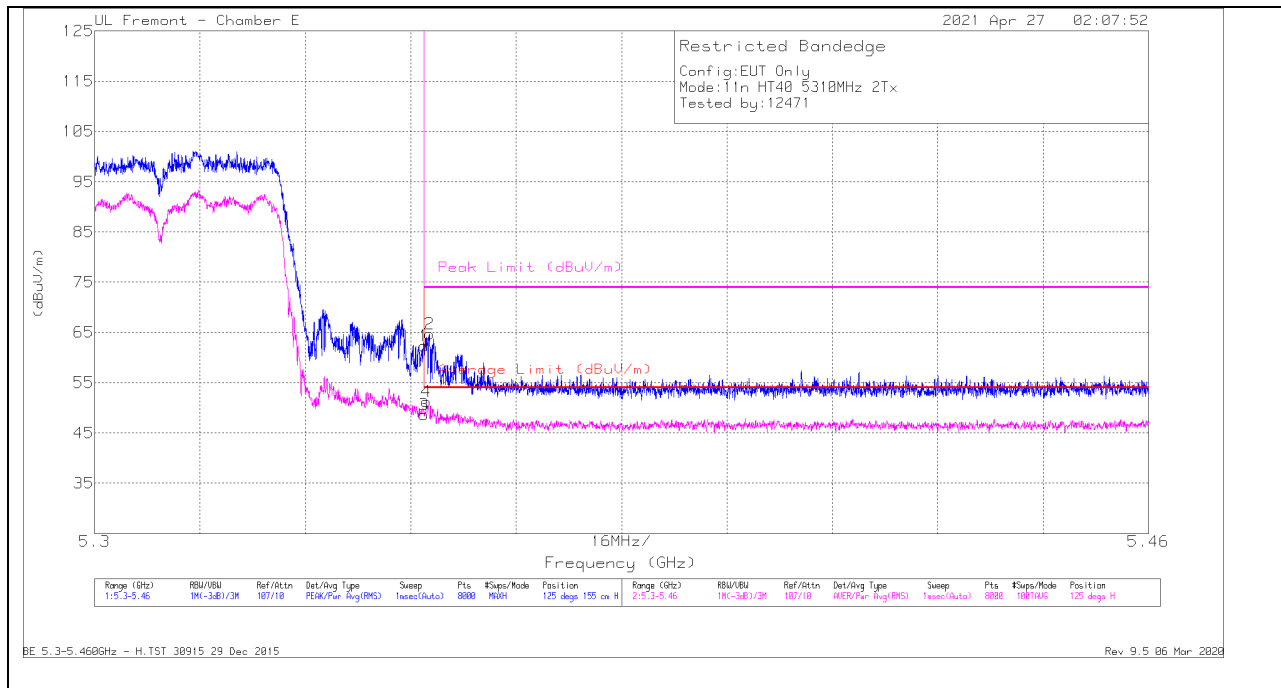
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

2TX ANT 6 + ANT 5 CDD MODE**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE007 8107 (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	5.35001	48.37	Pk	34.7	-20.7	0	62.37	-	-	74	-11.63	125	155	H
3	5.35001	33.73	RMS	34.7	-20.7	.63	48.36	54	-5.39	-	-	125	155	H
4	5.35039	36.34	RMS	34.7	-20.7	.63	51.22	54	-2.78	-	-	125	155	H
2	5.35085	50.74	Pk	34.7	-20.7	0	64.74	-	-	74	-9.26	125	155	H

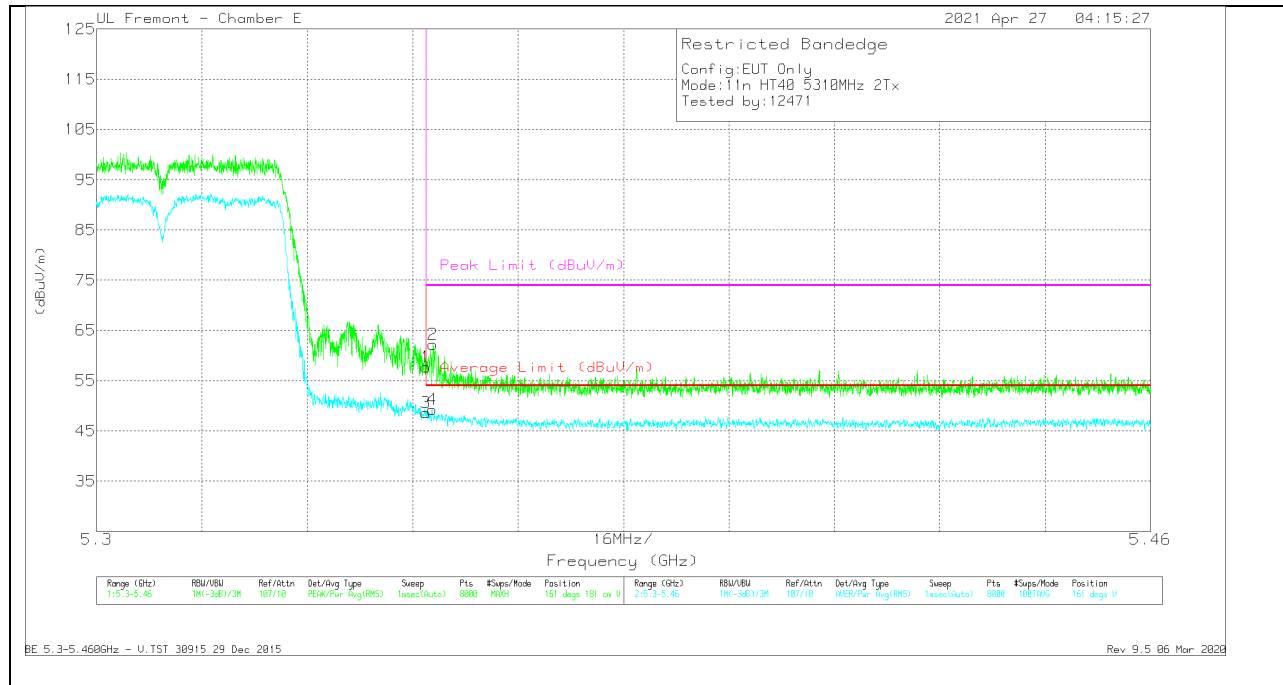
Pk - Peak detector

RMS - RMS detection

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

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VERTICAL RESULT



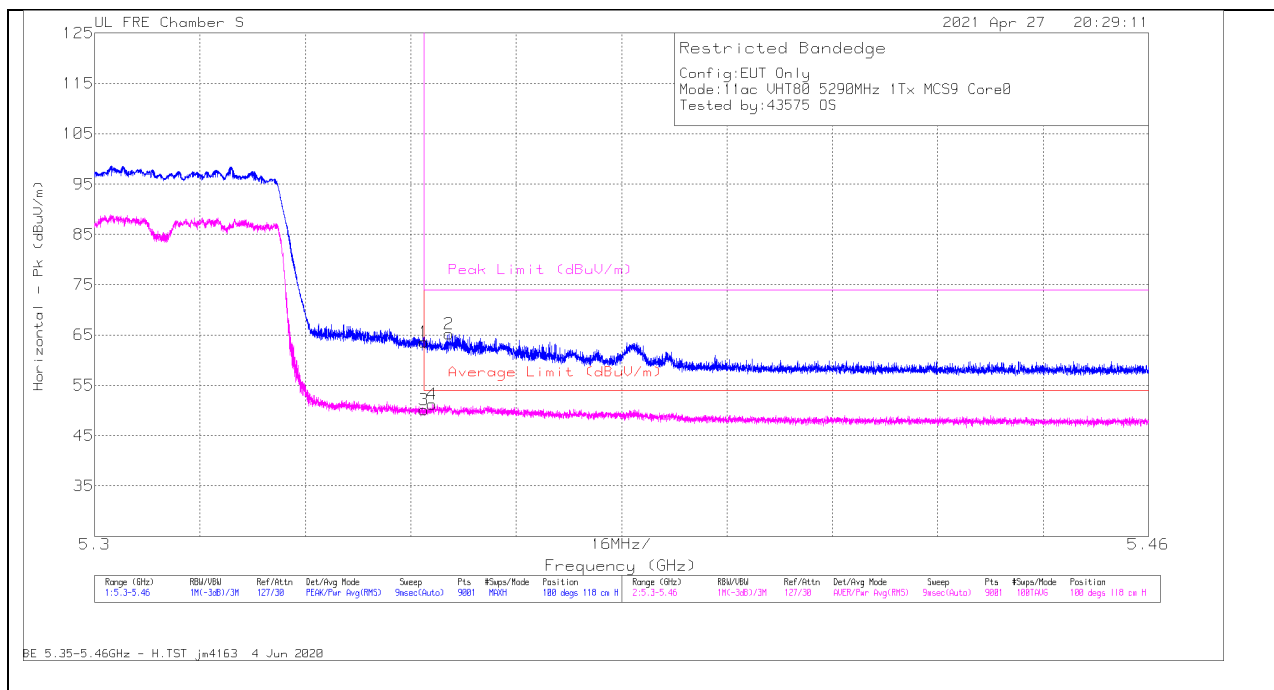
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078107 (dBm)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	43.76	Pk	34.7	-20.7	0	57.76	-	-	74	-16.24	161	181	V
2	5.35109	48.2	Pk	34.7	-20.7	0	62.2	-	-	74	-11.8	161	181	V
3	5.35001	33.78	RMS	34.7	-20.7	.63	48.41	54	-5.59	-	-	161	181	V
4	5.35091	34.38	RMS	34.7	-20.7	.63	49.01	54	-4.99	-	-	161	181	V

Pk - Peak detector

RMS - RMS detection

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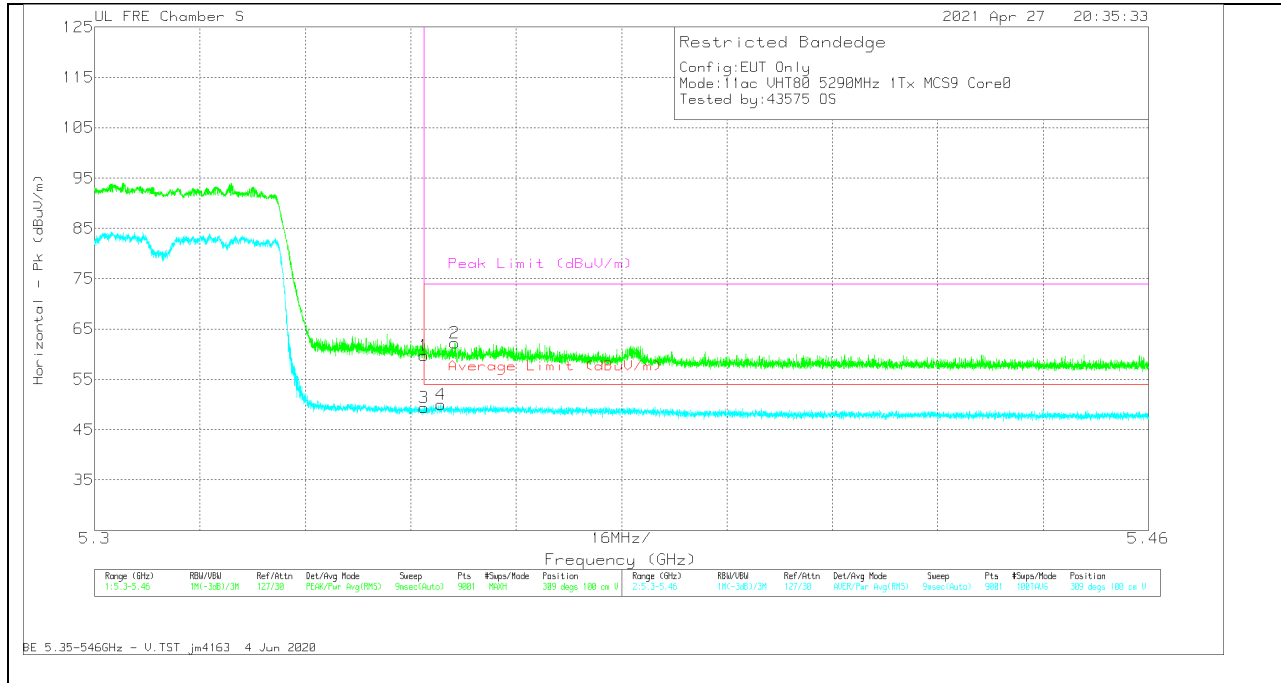
1.1.9. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.3 GHz BAND**1TX ANT 6****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3833 (dB/m)	Amp/Cbl /Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	59.94	Pk	34.5	-30.9	0	63.54	-	-	74	-10.46	100	118	H
3	5.35001	45.63	RMS	34.5	-30.9	1.06	50.29	54	-3.71	-	-	100	118	H
4	5.35124	46.7	RMS	34.5	-30.9	1.06	51.36	54	-2.64	-	-	100	118	H
2	5.35376	61.64	Pk	34.5	-30.9	0	65.24	-	-	74	-8.76	100	118	H

Pk - Peak detector

RMS - RMS detection

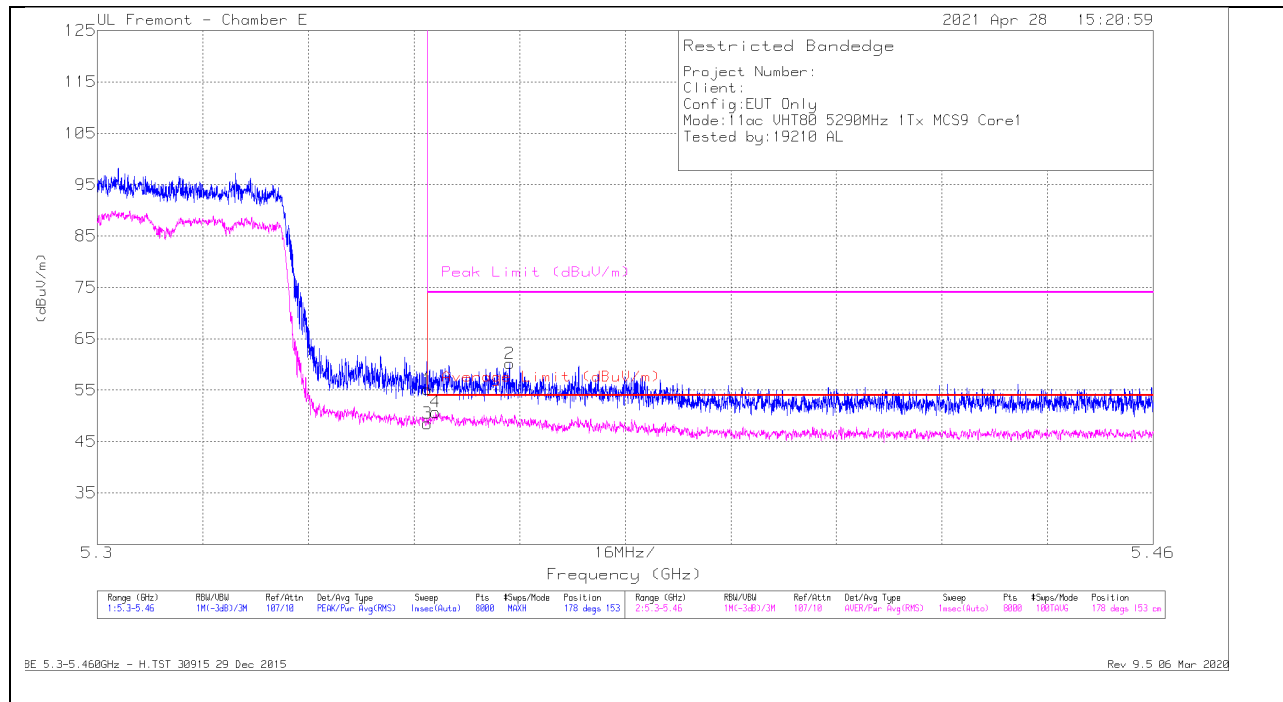
VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBUV)	Det	AF PRE021 3833 (dB/m)	Amp/Cbl /Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	56.17	Pk	34.5	-30.9	0	59.77	-	-	74	-14.23	309	100	V
3	5.35001	44.87	RMS	34.5	-30.9	1.06	49.53	54	-4.47	-	-	309	100	V
4	5.35253	45.43	RMS	34.5	-30.9	1.06	50.09	54	-3.91	-	-	309	100	V
2	5.35469	58.63	Pk	34.5	-30.9	0	62.23	-	-	74	-11.77	309	100	V

Pk - Peak detector

RMS - RMS detection

1TX ANT 5**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF PRE007 8107 (dB/m)	Amp/Cb I/Filt/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	* 5.35001	41.15	Pk	34.7	-20.7	0	55.15	-	-	74	-18.85	178	153	H
2	* 5.36247	46.29	Pk	34.6	-20.7	0	60.19	-	-	74	-13.81	178	153	H
3	* 5.35001	33.45	RMS	34.7	-20.7	1.06	48.51	54	-5.49	-	-	178	153	H
4	* 5.35127	35.64	RMS	34.7	-20.7	1.06	50.70	54	-3.30	-	-	178	153	H

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

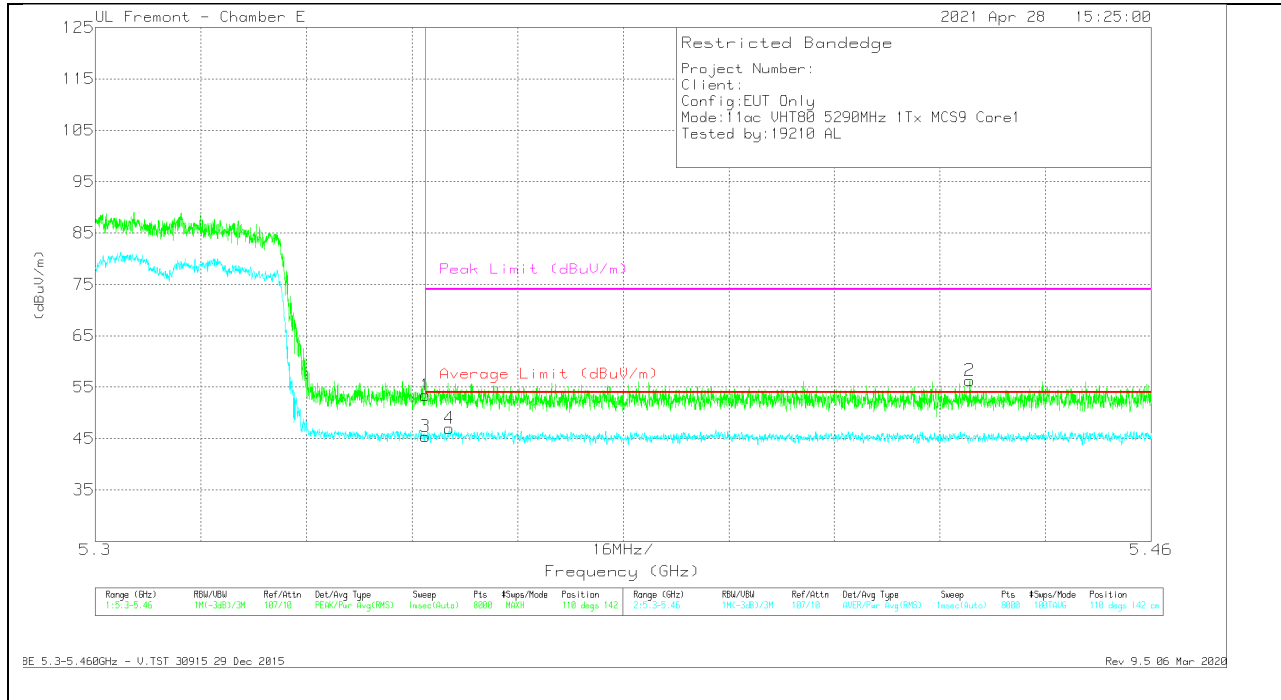
Pk - Peak detector

RMS - RMS detection

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

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VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	39.42	Pk	34.7	-20.7	0	53.42	-	-	74	-20.58	110	142	V
2	* 5.4325	42.31	Pk	34.6	-20.6	0	56.31	-	-	74	-17.69	110	142	V
3	* 5.35001	31.42	RMS	34.7	-20.7	1.06	46.48	54	-7.52	-	-	110	142	V
4	* 5.35363	33	RMS	34.7	-20.7	1.06	48.06	54	-5.94	-	-	110	142	V

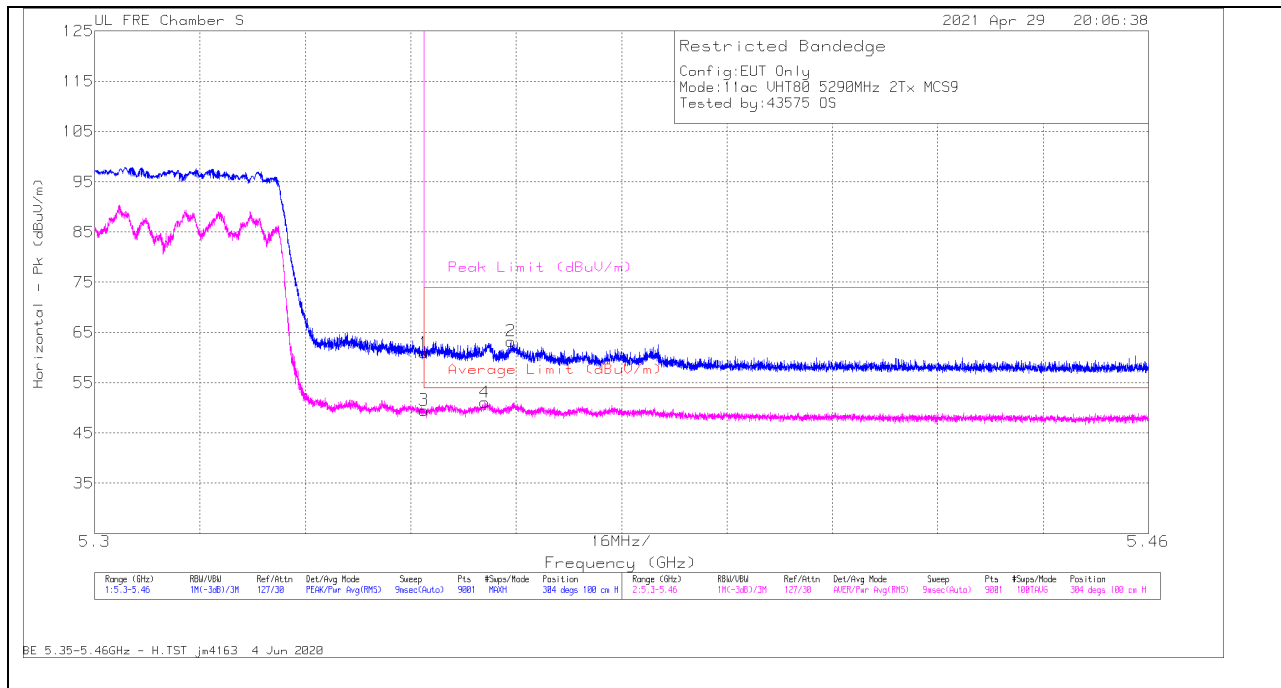
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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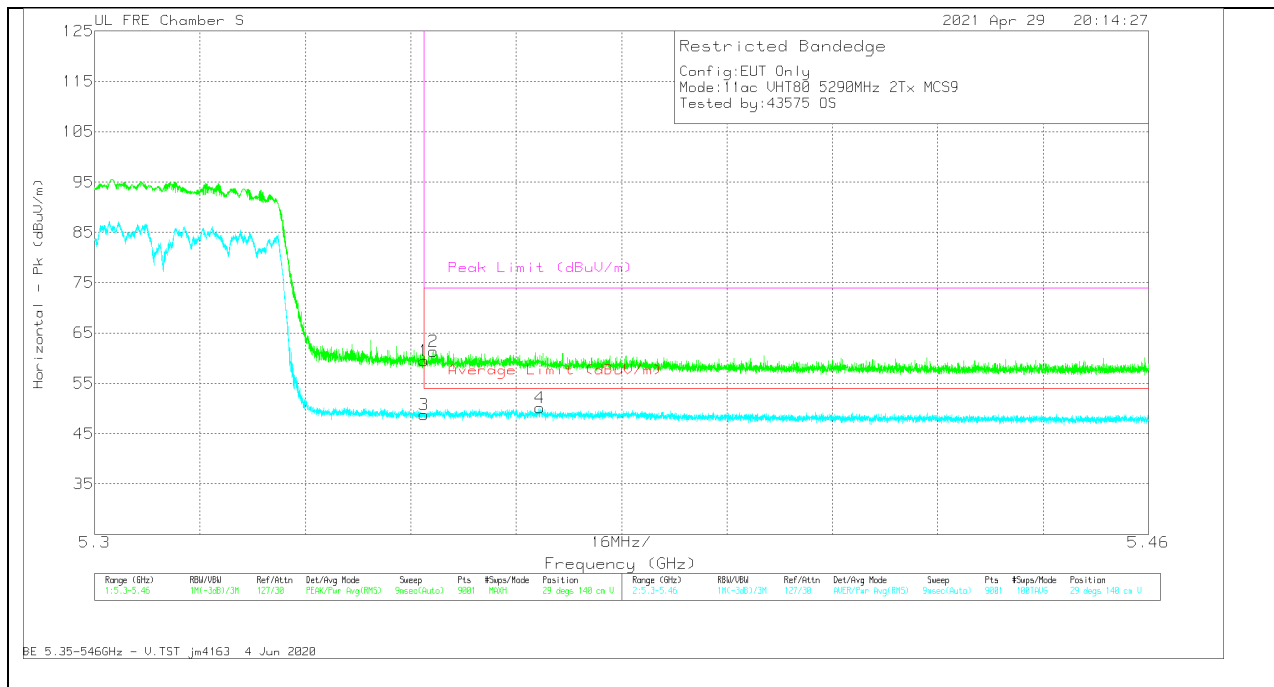
2TX ANT 6 + ANT 5 CDD MODE**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3833 (dB/m)	Amp/Cbl /Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polanty
1	5.35001	57.39	Pk	34.5	-30.9	0	60.99	-	-	74	-13.01	304	100	H
3	5.35001	44.9	RMS	34.5	-30.9	1.24	49.64	54	-4.36	-	-	304	100	H
4	5.35924	46.51	RMS	34.5	-30.9	1.24	51.25	54	-2.75	-	-	304	100	H
2	5.36318	59.68	Pk	34.5	-30.9	0	63.28	-	-	74	-10.72	304	100	H

Pk - Peak detector

RMS - RMS detection

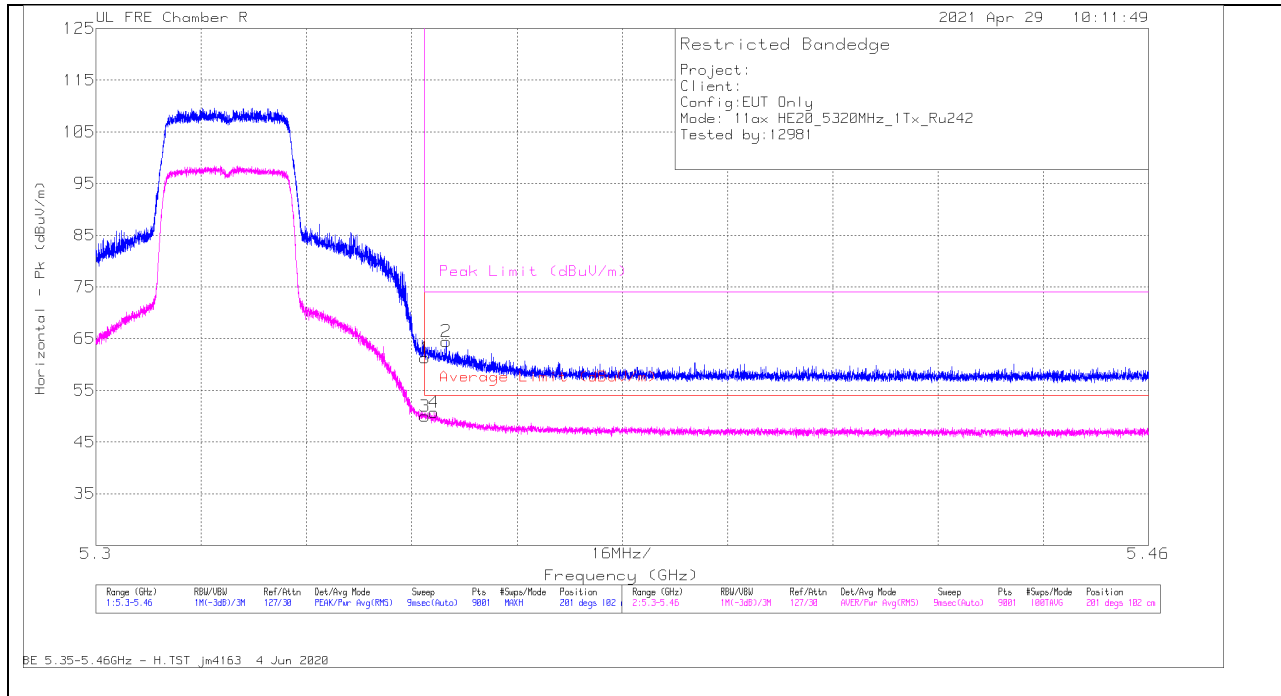
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF PRE021 3833 (dB/m)	Amp/Cbl /Filt/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	5.35001	55.9	Pk	34.5	-30.9	0	59.5	-	-	74	-14.5	29	140	V
3	5.35001	44.11	RMS	34.5	-30.9	1.24	48.85	54	-5.15	-	-	29	140	V
2	5.35141	57.73	Pk	34.5	-30.9	0	61.33	-	-	74	-12.67	29	140	V
4	5.36763	45.29	RMS	34.6	-30.8	1.24	50.23	54	-3.77	-	-	29	140	V

Pk - Peak detector

RMS - RMS detection

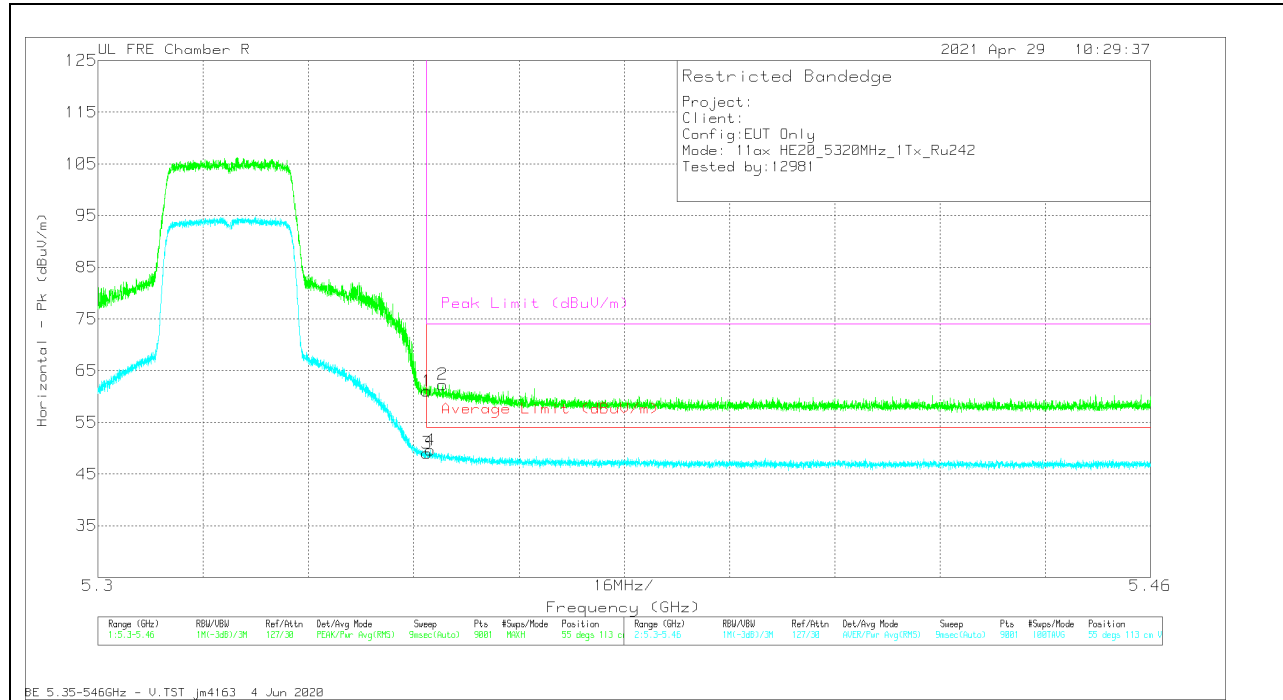
1.1.10. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.3 GHz BAND**1TX ANT 6 – 242 Tones, RU Index 61****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (dB/m)	Amp/Cbl/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	5.35001	58.16	Pk	34.4	-31.3	61.26	-	-	74	-12.74	201	102	H
3	5.35001	46.89	RMS	34.4	-31.3	49.99	54	-4.01	-	-	201	102	H
4	5.35136	47.61	RMS	34.4	-31.3	50.71	54	-3.29	-	-	201	102	H
2	5.35325	61.35	Pk	34.4	-31.3	64.45	-	-	74	-9.55	201	102	H

Pk - Peak detector

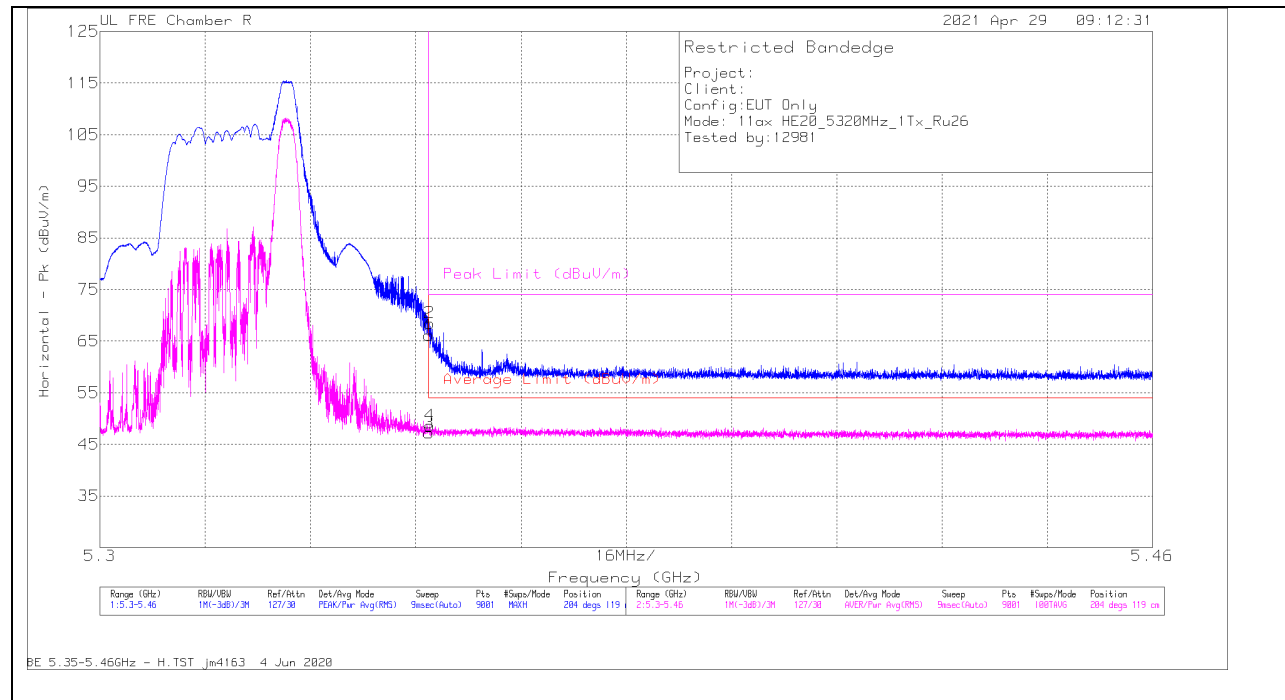
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213973 (dB/m)	Amp/Cbl/Filt/P ad (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	57.93	Pk	34.4	-31.3	61.03	-	-	74	-12.97	55	113	V
3	5.35001	45.93	RMS	34.4	-31.3	49.03	54	-4.97	-	-	55	113	V
4	5.35053	46.52	RMS	34.4	-31.3	49.62	54	-4.38	-	-	55	113	V
2	5.35239	59.2	Pk	34.4	-31.3	62.3	-	-	74	-11.7	55	113	V

Pk - Peak detector
RMS - RMS detection

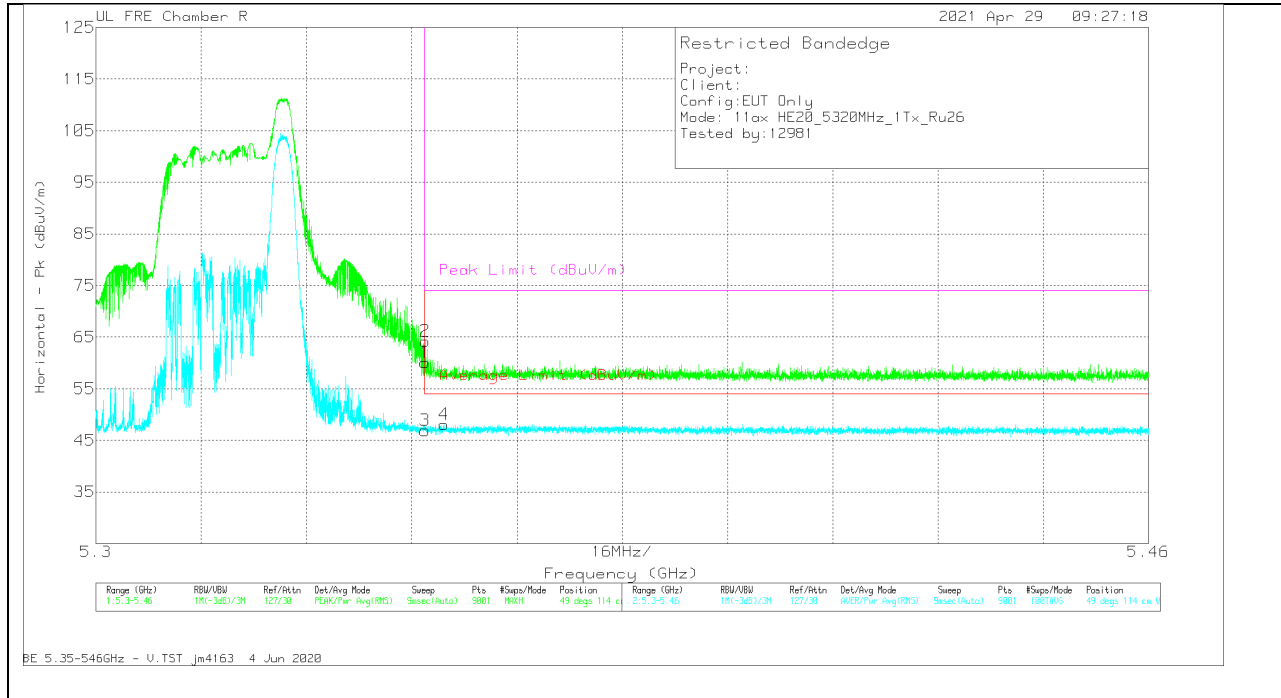
1TX ANT 6 – 26 Tones, RU Index 8**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (dB/m)	Amp/Cbl 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	5.35001	63.03	Pk	34.4	-31.3	66.13	-	-	74	-7.87	204	119	H
3	5.35001	44.09	RMS	34.4	-31.3	47.19	54	-6.81	-	-	204	119	H
2	5.3501	65.39	Pk	34.4	-31.3	68.49	-	-	74	-5.51	204	119	H
4	5.35015	45.52	RMS	34.4	-31.3	48.62	54	-5.38	-	-	204	119	H

Pk - Peak detector

RMS - RMS detection

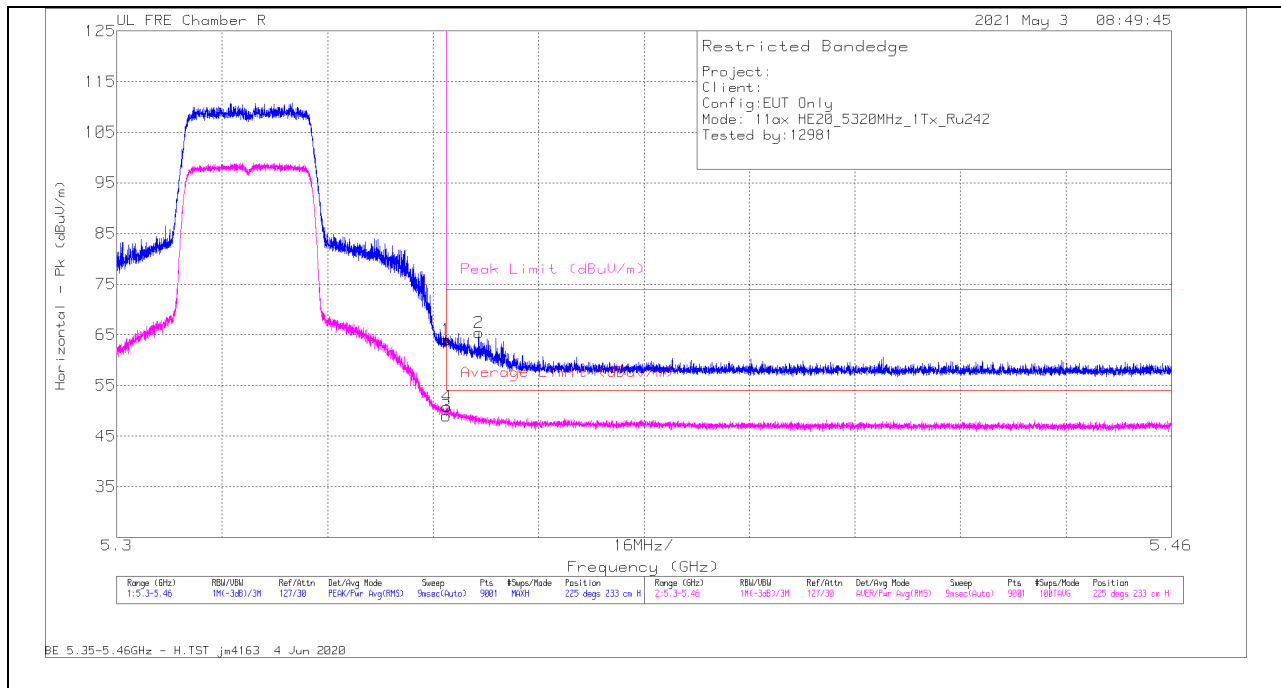
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (dB/m)	Amp/Cbl/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	5.35001	57.01	Pk	34.4	-31.3	60.11	-	-	74	-13.89	49	114	V
3	5.35001	43.8	RMS	34.4	-31.3	46.9	54	-7.1	-	-	49	114	V
2	5.35003	61.13	Pk	34.4	-31.3	64.23	-	-	74	-9.77	49	114	V
4	5.35291	44.97	RMS	34.4	-31.3	48.07	54	-5.93	-	-	49	114	V

Pk - Peak detector

RMS - RMS detection

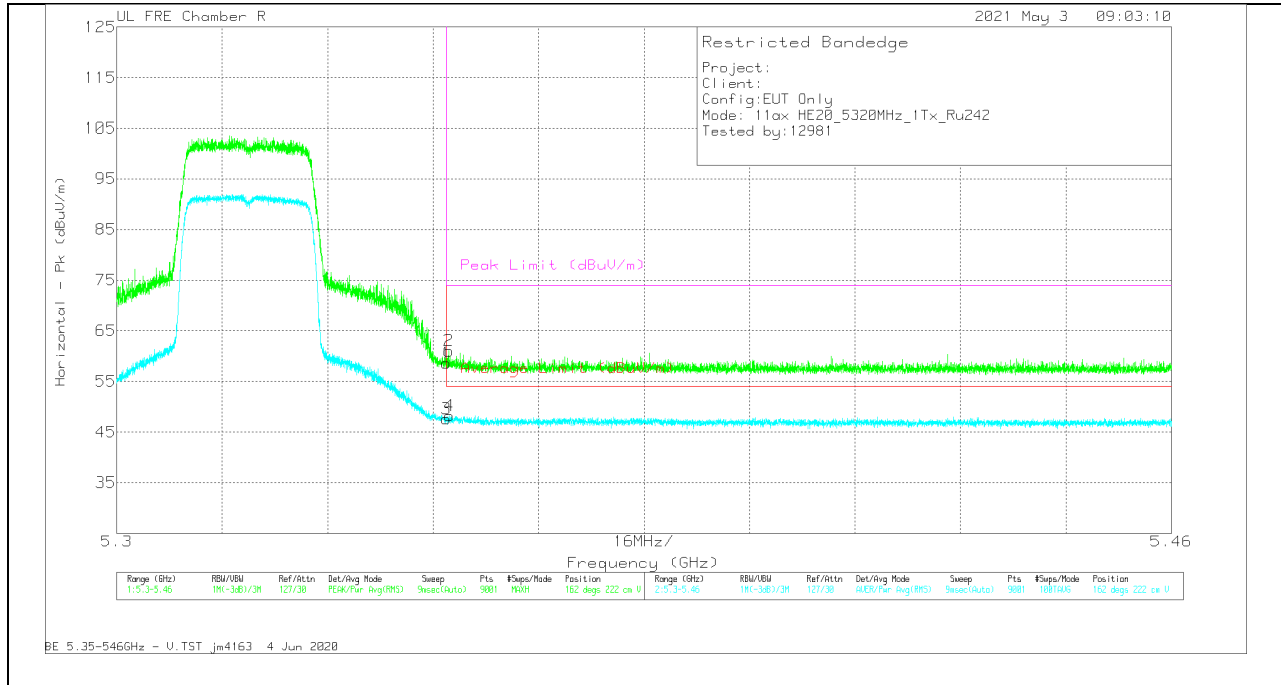
1TX ANT 5 – 242 Tones, RU Index 61**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213973 (dBm)	Amp/Cbll/Filt/P ad (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	61.01	Pk	34.4	-31.3	64.11	-	-	74	-9.89	225	233	H
3	5.35001	45.87	RMS	34.4	-31.3	48.97	54	-5.03	-	-	225	233	H
4	5.35012	47.68	RMS	34.4	-31.3	50.78	54	-3.22	-	-	225	233	H
2	5.35497	62.33	Pk	34.4	-31.3	65.43	-	-	74	-8.57	225	233	H

Pk - Peak detector

RMS - RMS detection

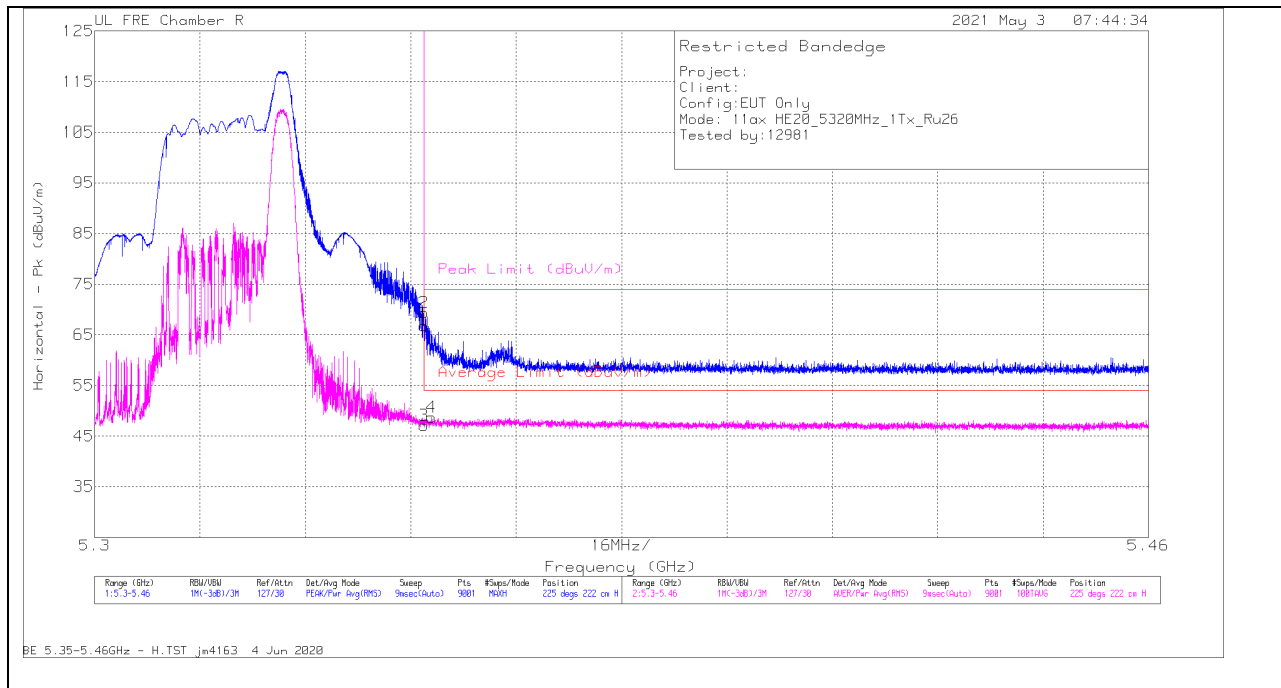
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213973 (dB/m)	Amp/CbI/Filt/P ad (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	55.54	Pk	34.4	-31.3	58.64	-	-	74	-15.36	162	222	V
3	5.35001	44.45	RMS	34.4	-31.3	47.55	54	-6.45	-	-	162	222	V
2	5.3504	57.93	Pk	34.4	-31.3	61.03	-	-	74	-12.97	162	222	V
4	5.35049	45.08	RMS	34.4	-31.3	48.18	54	-5.82	-	-	162	222	V

Pk - Peak detector

RMS - RMS detection

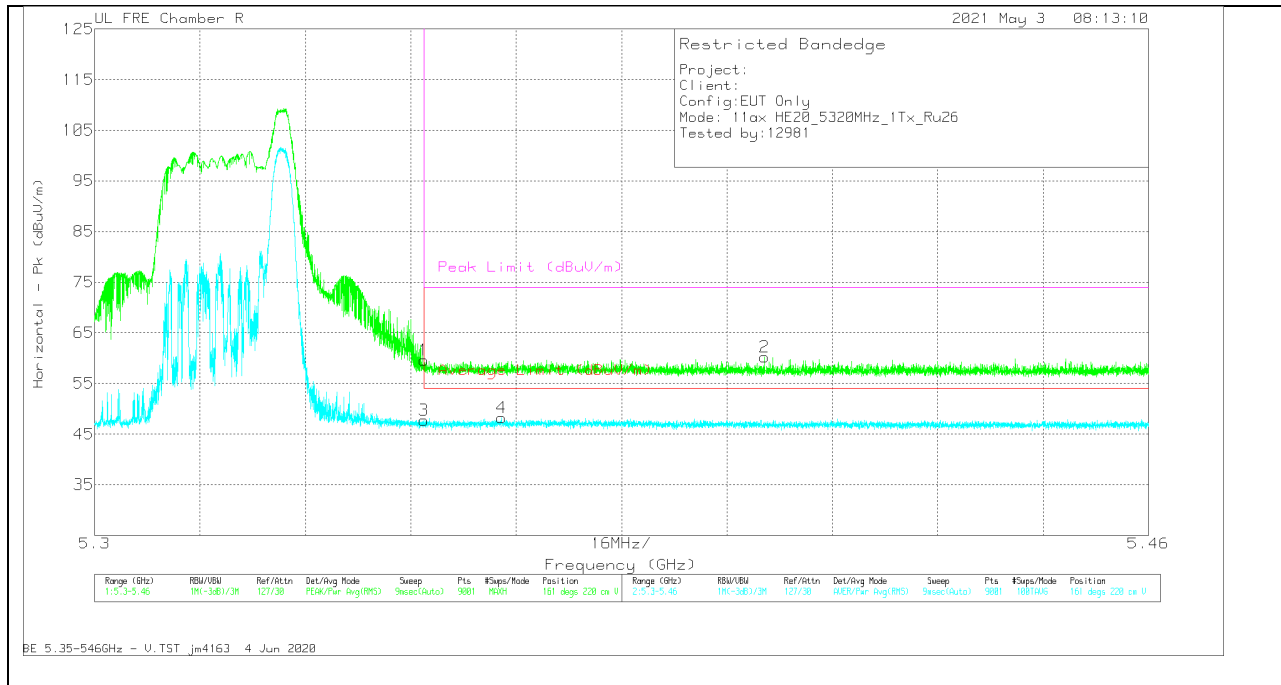
1TX ANT 5 – 26 Tones, RU Index 8**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02139 73 (dB/m)	Amp/Cbl/F ltr/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	63.64	Pk	34.4	-31.3	66.74	-	-	74	-7.26	225	222	H
3	5.35001	43.99	RMS	34.4	-31.3	47.09	54	-6.91	-	-	225	222	H
2	5.35003	66.22	Pk	34.4	-31.3	69.32	-	-	74	-4.68	225	222	H
4	5.35115	45.57	RMS	34.4	-31.3	48.67	54	-5.33	-	-	225	222	H

Pk - Peak detector

RMS - RMS detection

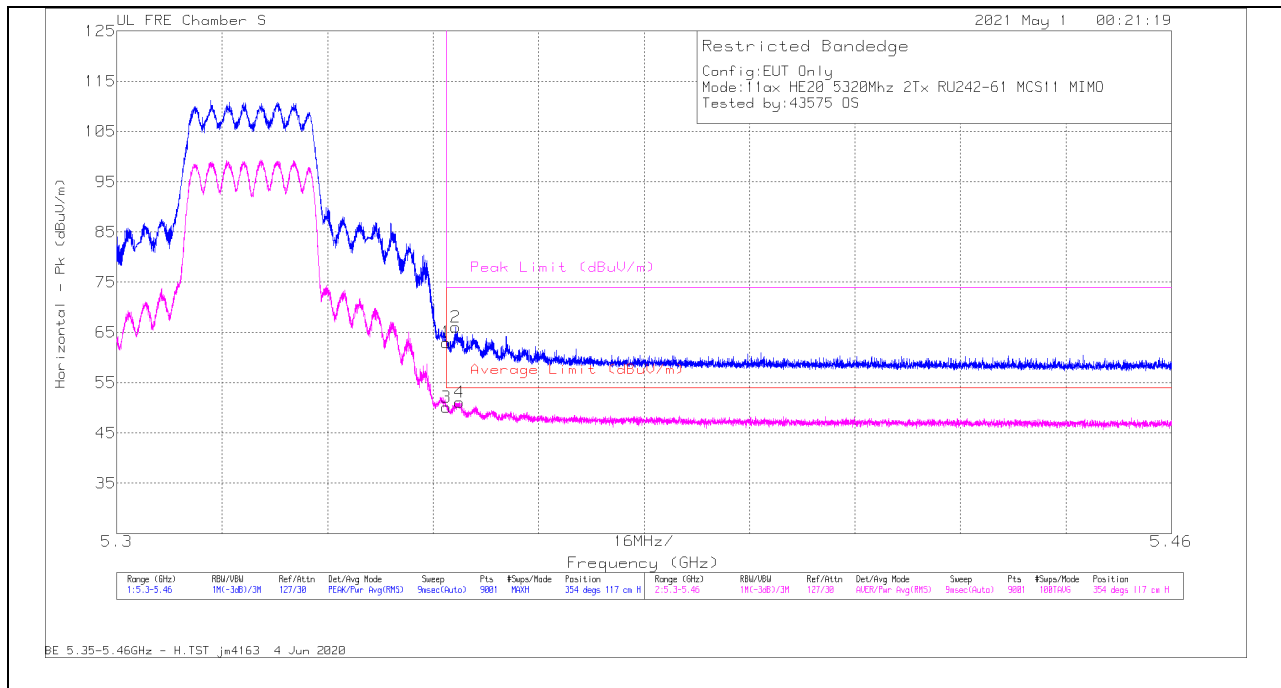
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02139 73 (dB/m)	Amp/Cbl/F ltr/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	56.56	Pk	34.4	-31.3	59.66	-	-	74	-14.34	161	220	V
3	5.35001	44.61	RMS	34.4	-31.3	47.71	54	-6.29	-	-	161	220	V
4	5.3618	45.03	RMS	34.4	-31.2	48.23	54	-5.77	-	-	161	220	V
2	5.40171	57.07	Pk	34.3	-31.1	60.27	-	-	74	-13.73	161	220	V

Pk - Peak detector

RMS - RMS detection

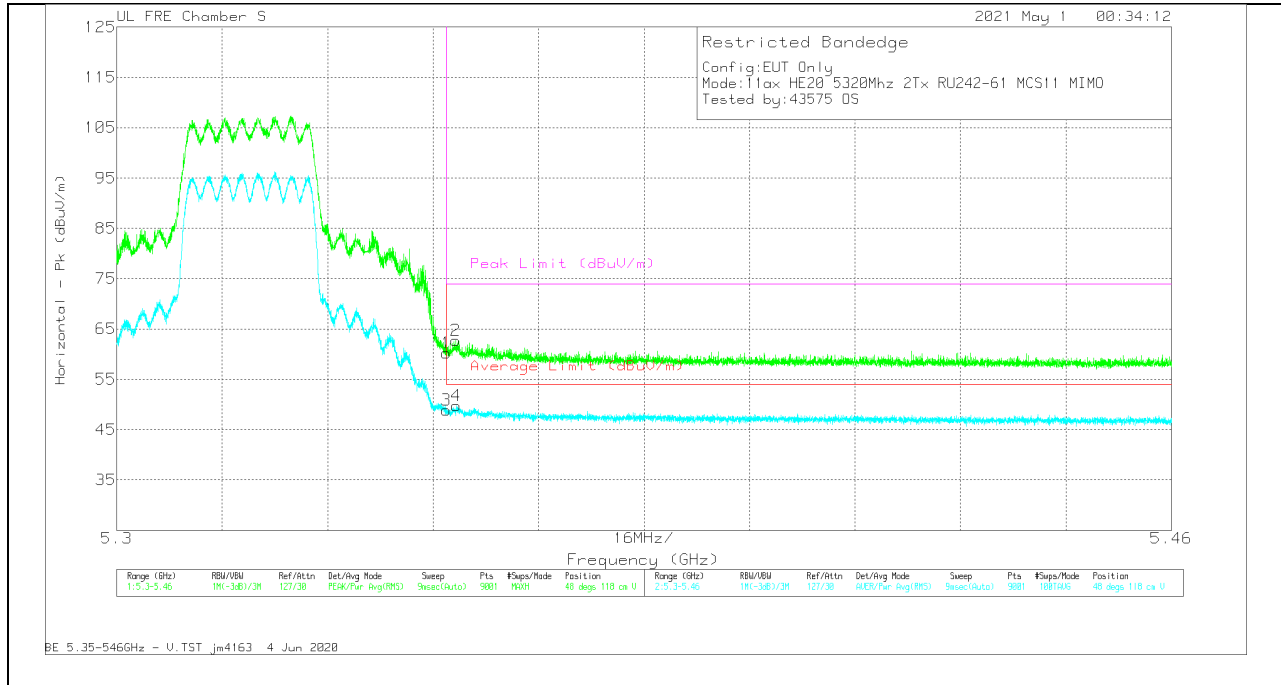
2TX ANT 6 + ANT 5 OFDMA MODE – 242 Tones, RU Index 61**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213833 (dB/m)	Amp/Cbl/Filt/P ad (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	59.43	Pk	34.5	-30.9	63.03	-	-	74	-10.97	354	117	H
3	5.35001	46.56	RMS	34.5	-30.9	50.16	54	-3.84	-	-	354	117	H
2	5.35147	62.54	Pk	34.5	-30.9	66.14	-	-	74	-7.86	354	117	H
4	5.35197	47.48	RMS	34.5	-30.9	51.08	54	-2.92	-	-	354	117	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



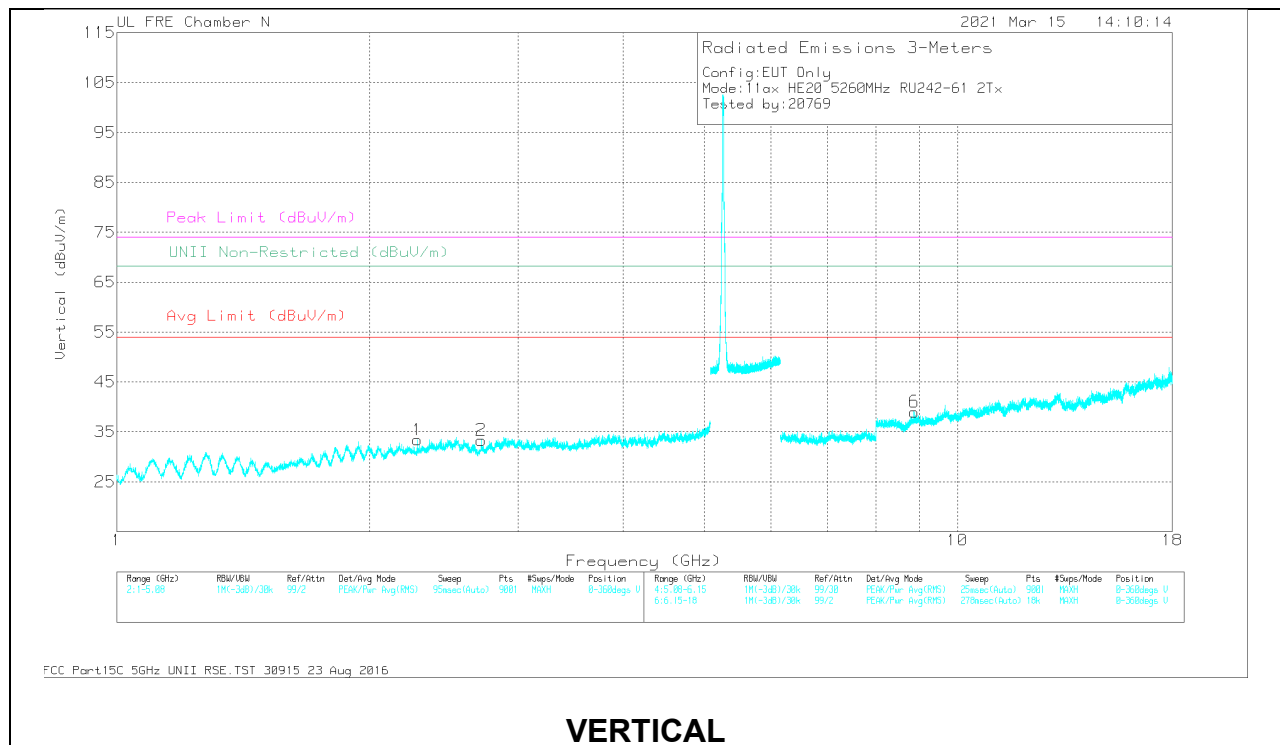
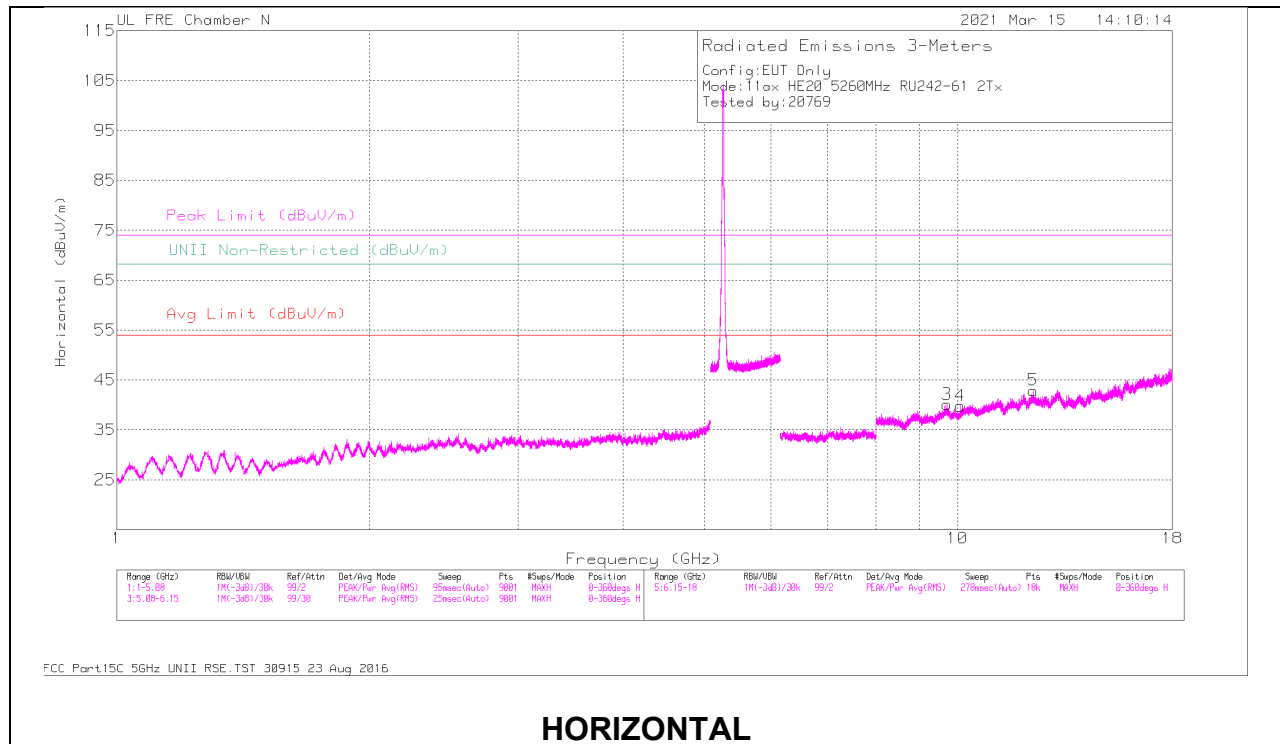
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213833 (dB/m)	Amp/Cbl/Filt/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	56.67	Pk	34.5	-30.9	60.27	-	-	74	-13.73	48	118	V
3	5.35001	45.25	RMS	34.5	-30.9	48.85	54	-5.15	-	-	48	118	V
2	5.3514	59.17	Pk	34.5	-30.9	62.77	-	-	74	-11.23	48	118	V
4	5.35154	46.11	RMS	34.5	-30.9	49.71	54	-4.29	-	-	48	118	V

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS**Range 2: Vertical 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 2.27808	56.17	PK-U	31.7	-46.1	41.77	-	-	74	-32.23	-	-	345	187	V
	* 2.2774	44.32	ADR	31.6	-46.2	29.72	54	-24.28	-	-	-	-	345	187	V
2	* 2.71277	56.38	PK-U	31.9	-45	43.28	-	-	74	-30.72	-	-	132	242	V
	* 2.71545	43.95	ADR	31.9	-45	30.85	54	-23.15	-	-	-	-	132	242	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	9.7101	51.14	PK-U	37	-39.5	48.64	-	-	-	-	68.2	-19.56	18	325	H
	9.71038	39.84	ADR	37	-39.5	37.34	-	-	-	-	-	-	18	325	H
4	10.06667	50.89	PK-U	37.2	-39.8	48.29	-	-	-	-	68.2	-19.91	336	163	H
	10.06981	39.21	ADR	37.2	-39.9	36.51	-	-	-	-	-	-	336	163	H
5	* 12.30123	50.46	PK-U	39	-37.7	51.76	-	-	74	-22.24	-	-	219	319	H
	* 12.30409	38.74	ADR	39	-37.7	40.04	54	-13.96	-	-	-	-	219	319	H

Range 6: Vertical 6150 - 18000MHz

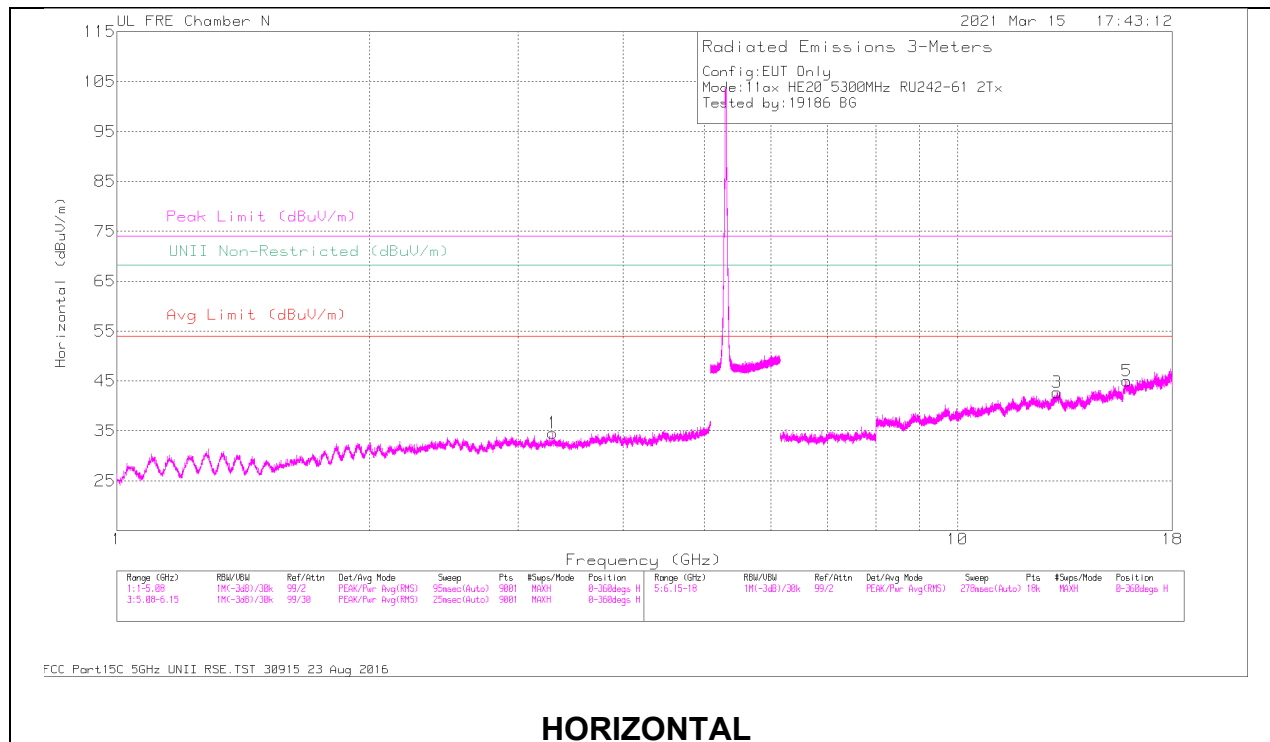
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	8.8884	51.37	PK-U	36.2	-39.8	47.77	-	-	-	-	68.2	-20.43	137	335	V
	8.88535	40.09	ADR	36.2	-39.9	36.39	-	-	-	-	-	-	137	335	V

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

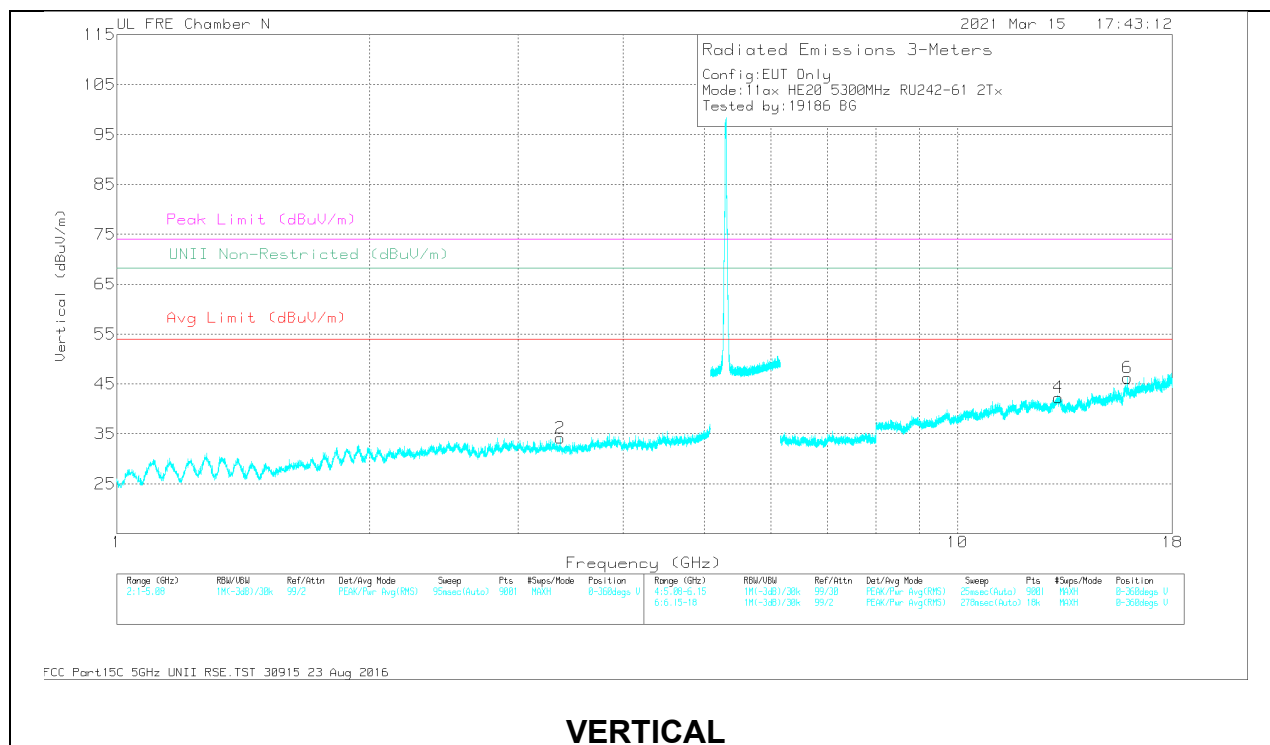
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	3.30219	54.71	PK-U	32.7	-43.9	43.51	-	-	-	-	68.2	-24.69	135	239	H
	3.29962	42.83	ADR	32.7	-43.9	31.63	-	-	-	-	-	-	135	239	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	3.3652	54.13	PK-U	32.7	-43.7	43.13	-	-	-	-	68.2	-25.07	239	346	V
	3.36716	42.77	ADR	32.7	-43.7	31.77	-	-	-	-	-	-	239	346	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	13.13359	50.68	PK-U	39.2	-37.3	52.58	-	-	-	-	68.2	-15.62	78	251	H
	13.13327	38.71	ADR	39.2	-37.3	40.61	-	-	-	-	-	-	78	251	H
5	* 15.90587	50.02	PK-U	40.4	-36.2	54.22	-	-	74	-19.78	-	-	309	306	H
	* 15.90418	37.85	ADR	40.4	-36.3	41.95	54	-12.05	-	-	-	-	309	306	H

Range 6: Vertical 6150 - 18000MHz

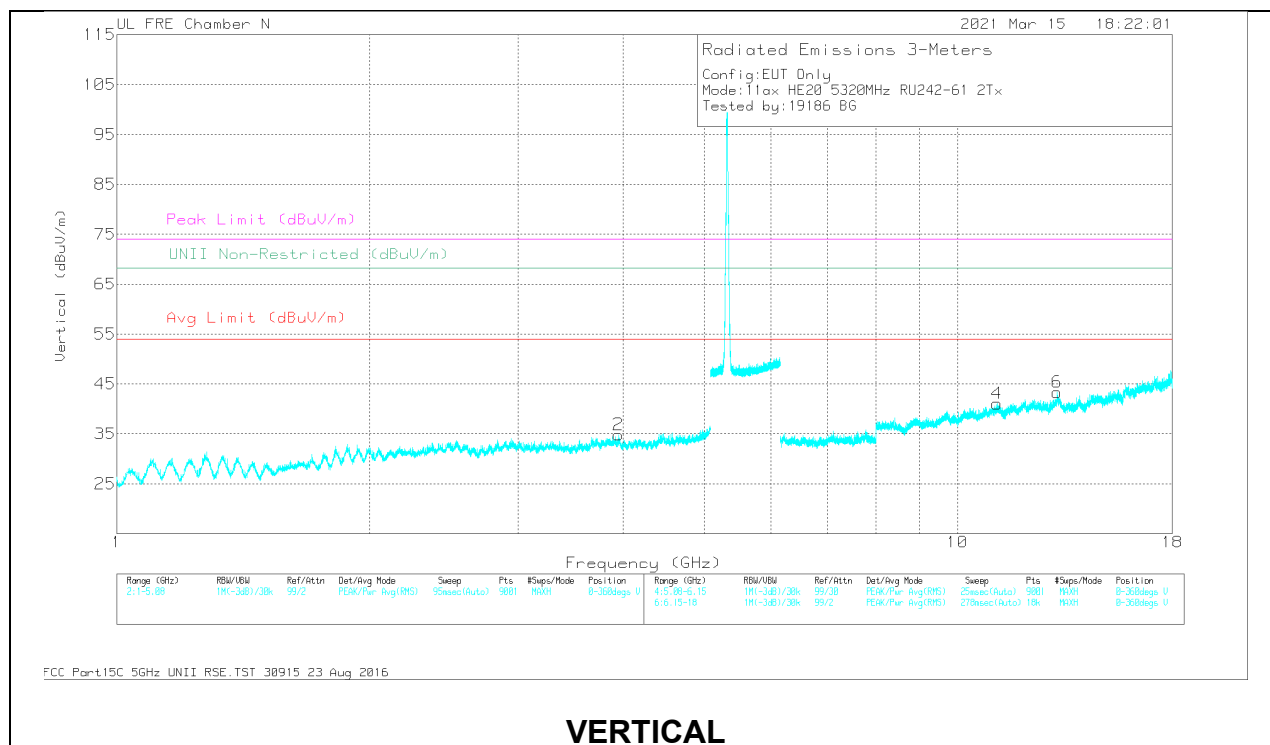
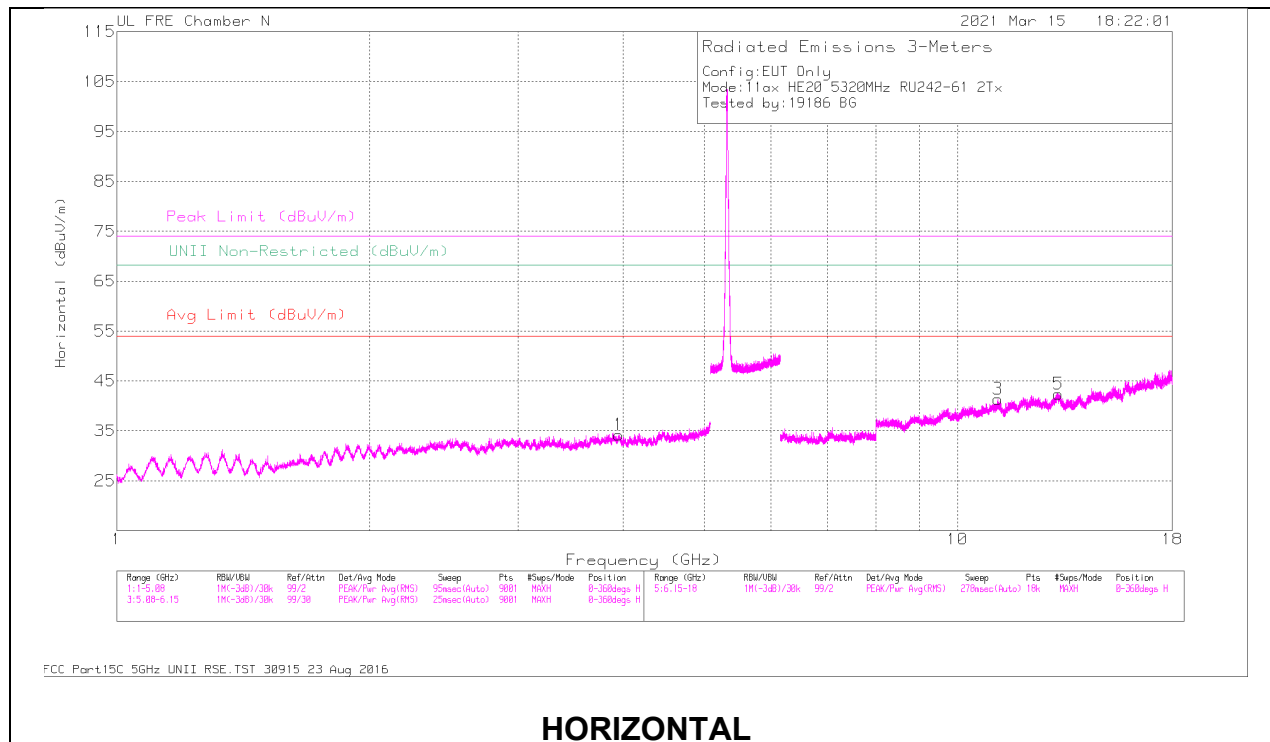
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	13.17371	50.87	PK-U	39.2	-37.8	52.27	-	-	-	-	68.2	-15.93	291	262	V
	13.17327	39.02	ADR	39.3	-37.8	40.52	-	-	-	-	-	-	291	262	V
6	* 15.92284	48.82	PK-U	40.3	-36.2	52.92	-	-	74	-21.08	-	-	139	271	V
	* 15.92222	37.52	ADR	40.3	-36.2	41.62	54	-12.38	-	-	-	-	139	271	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**Range 1: Horizontal 1000 - 5080MHz**

	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 3.95226	53.5	PK-U	33.6	-43	44.1	-	-	74	-29.9	-	-	292	147	H
	* 3.9515	42.05	ADR	33.6	-43.1	32.55	54	-21.45	-	-	-	-	292	147	H

Range 2: Vertical 1000 - 5080MHz

	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 3.95077	53.65	PK-U	33.6	-43.1	44.15	-	-	74	-29.85	-	-	191	146	V
	* 3.95226	42.09	ADR	33.6	-43	32.69	54	-21.31	-	-	-	-	191	146	V

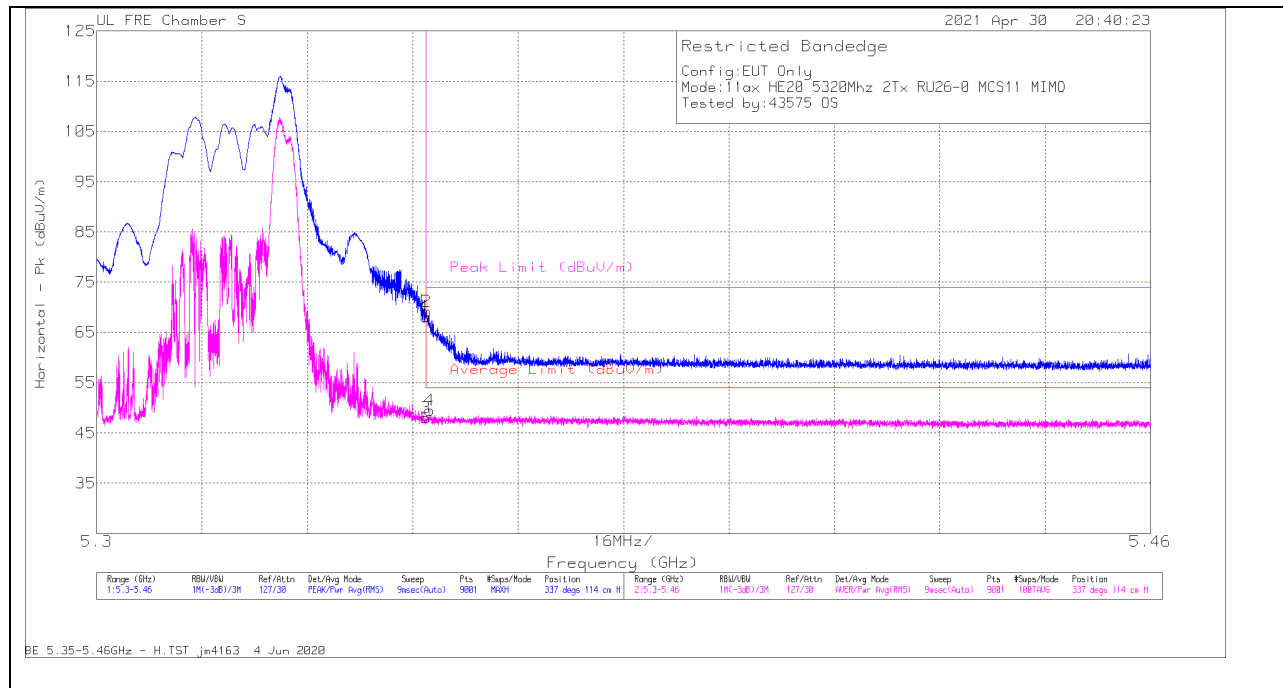
Range 5: Horizontal 6150 - 18000MHz

	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	* 11.17098	51.66	PK-U	38	-39.1	50.56	-	-	74	-23.44	-	-	197	344	H
	* 11.16801	39.7	ADR	38	-39.1	38.6	54	-15.4	-	-	-	-	197	344	H
5	13.17169	50.66	PK-U	39.2	-37.7	52.16	-	-	-	-	68.2	-16.04	4	299	H
	13.17009	38.85	ADR	39.2	-37.7	40.35	-	-	-	-	-	-	4	299	H

Range 6: Vertical 6150 - 18000MHz

	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
4	* 11.13945	51.49	PK-U	38	-39.4	50.09	-	-	74	-23.91	-	-	340	337	V
	* 11.14185	40.04	ADR	38	-39.4	38.64	54	-15.36	-	-	-	-	340	337	V
6	13.13509	50.53	PK-U	39.3	-37.3	52.53	-	-	-	-	68.2	-15.67	47	358	V
	13.13277	39.01	ADR	39.2	-37.3	40.91	-	-	-	-	-	-	47	358	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

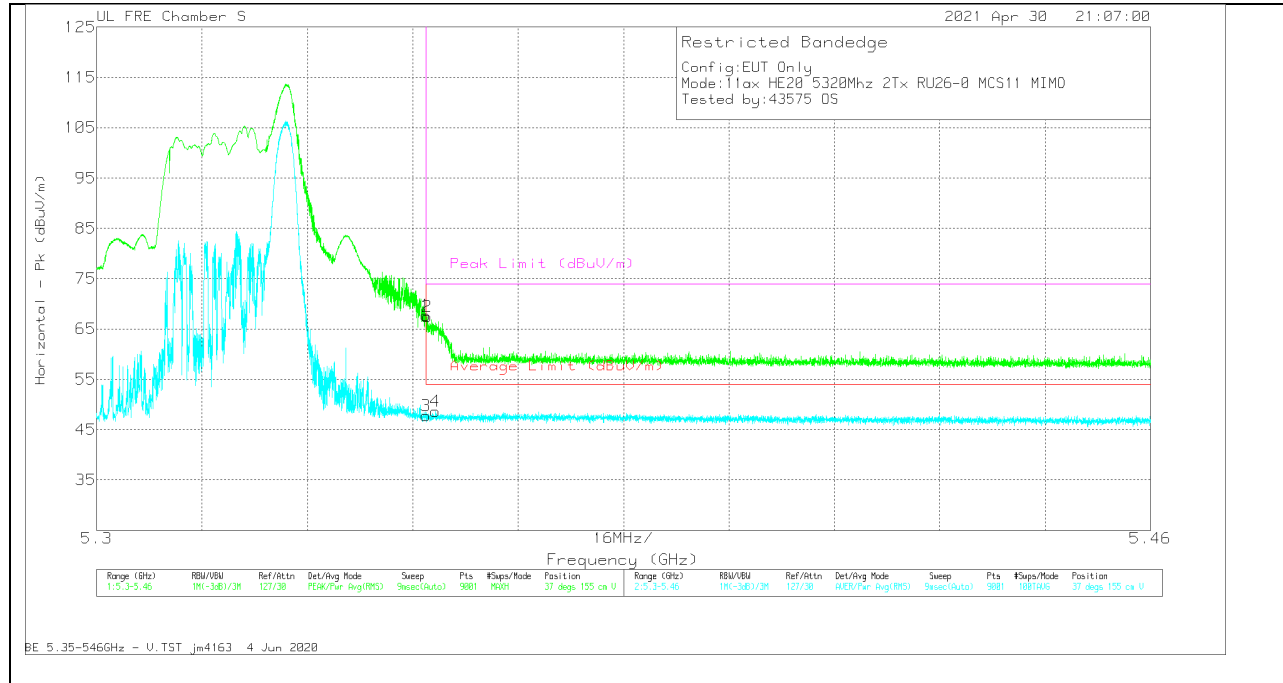
2TX ANT 6 + ANT 5 OFDMA MODE – 26 Tones, RU Index 8**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02138 33 (dB/m)	Amp/Cbl/F ltr/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	64.57	Pk	34.5	-30.9	68.17	-	-	74	-5.83	337	114	H
3	5.35001	44.44	RMS	34.5	-30.9	48.04	54	-5.96	-	-	337	114	H
2	5.35012	65.63	Pk	34.5	-30.9	69.23	-	-	74	-4.77	337	114	H
4	5.35056	45.88	RMS	34.5	-30.9	49.48	54	-4.52	-	-	337	114	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



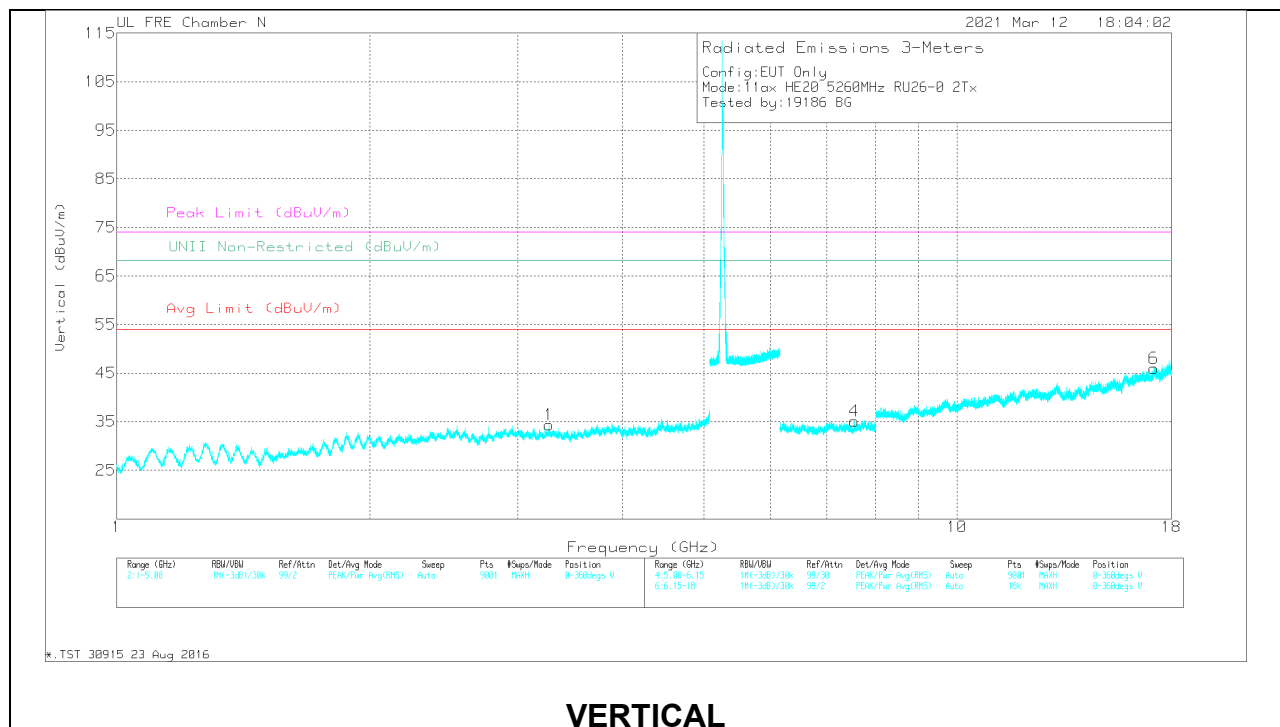
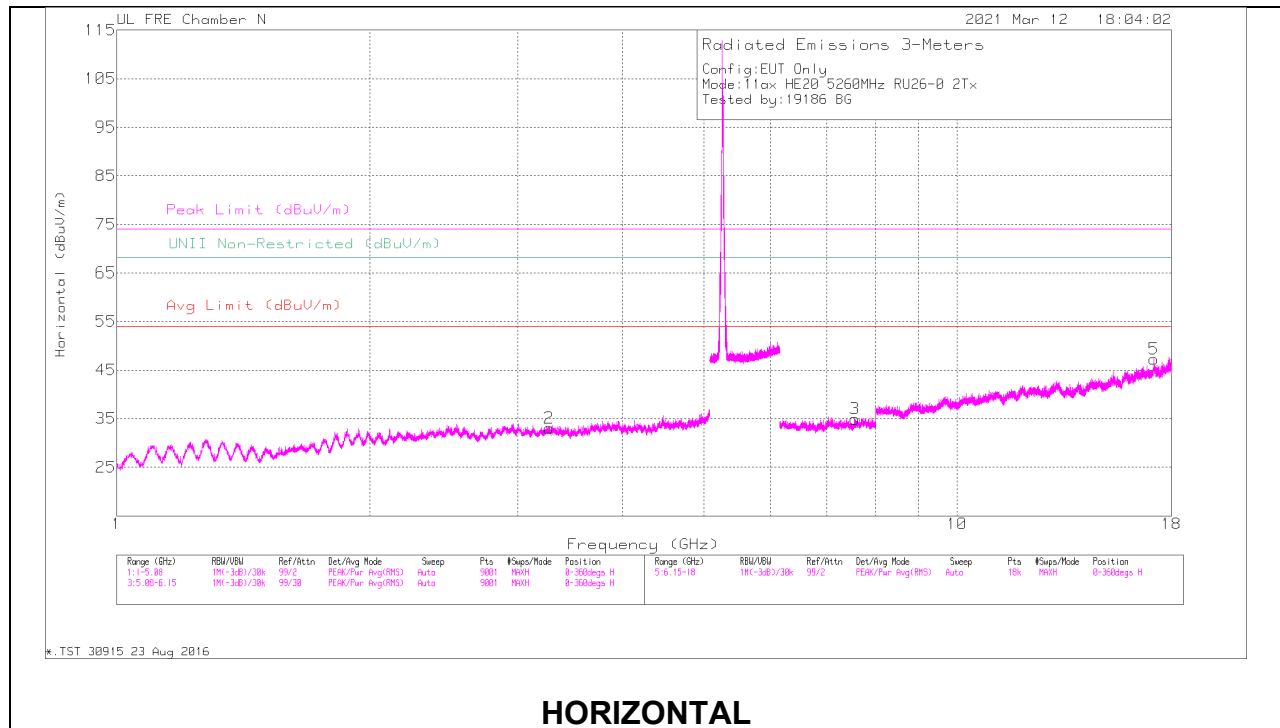
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02138 33 (dB/m)	Amp/Cbl/F Tr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	64.11	Pk	34.5	-30.9	67.71	-	-	74	-6.29	37	155	V
3	5.35001	44.12	RMS	34.5	-30.9	47.72	54	-6.28	-	-	37	155	V
2	5.35022	63.88	Pk	34.5	-30.9	67.48	-	-	74	-6.52	37	155	V
4	5.35145	45.03	RMS	34.5	-30.9	48.63	54	-5.37	-	-	37	155	V

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	3.27411	54.17	PK-U	32.7	-44	42.87	-	-	-	-	68.2	-25.33	183	293	H
	3.27261	42.86	ADR	32.7	-44	31.56	-	-	-	-	-	-	183	293	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	3.26787	55.4	PK-U	32.7	-44.1	44	-	-	-	-	68.2	-24.2	237	207	V
	3.26863	43.02	ADR	32.7	-44.1	31.62	-	-	-	-	-	-	237	207	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213971 (dB/m)	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
3	7.56458	51.03	PK-U	35.8	-40.6	46.23	-	-	74	-27.77	-	-	296	322	H
	7.56208	39.47	ADR	35.8	-40.7	34.57	54	-19.43	-	-	-	-	296	322	H
5	17.15775	48.77	PK-U	41.2	-33.8	56.17	-	-	-	-	68.2	-12.03	122	314	H
	17.15917	36.34	ADR	41.2	-33.8	43.74	-	-	-	-	-	-	122	314	H

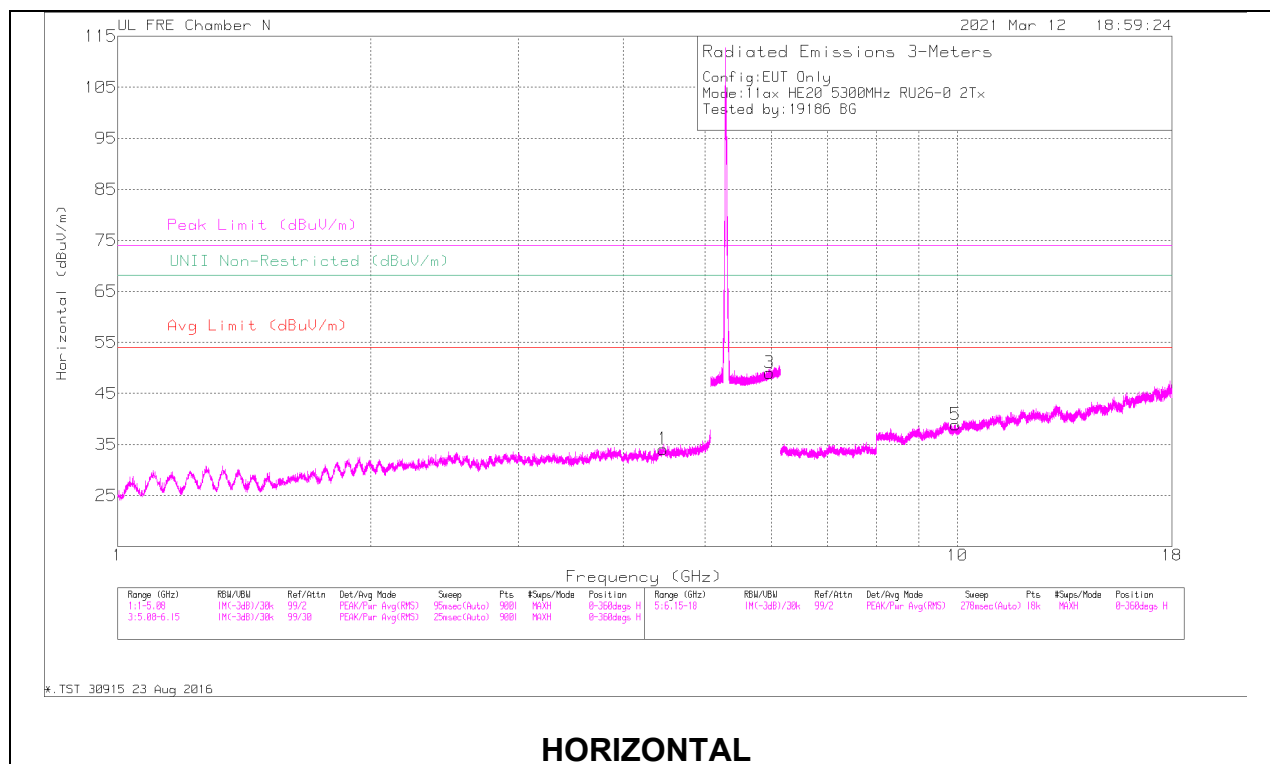
Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213971 (dB/m)	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
4	7.54426	51.55	PK-U	35.8	-40.8	46.55	-	-	74	-27.45	-	-	7	265	V
	7.54068	39.57	ADR	35.7	-40.8	34.47	54	-19.53	-	-	-	-	7	265	V
6	17.15587	48.57	PK-U	41.2	-33.8	55.97	-	-	-	-	68.2	-12.23	48	156	V
	17.15621	36.77	ADR	41.2	-33.8	44.17	-	-	-	-	-	-	48	156	V

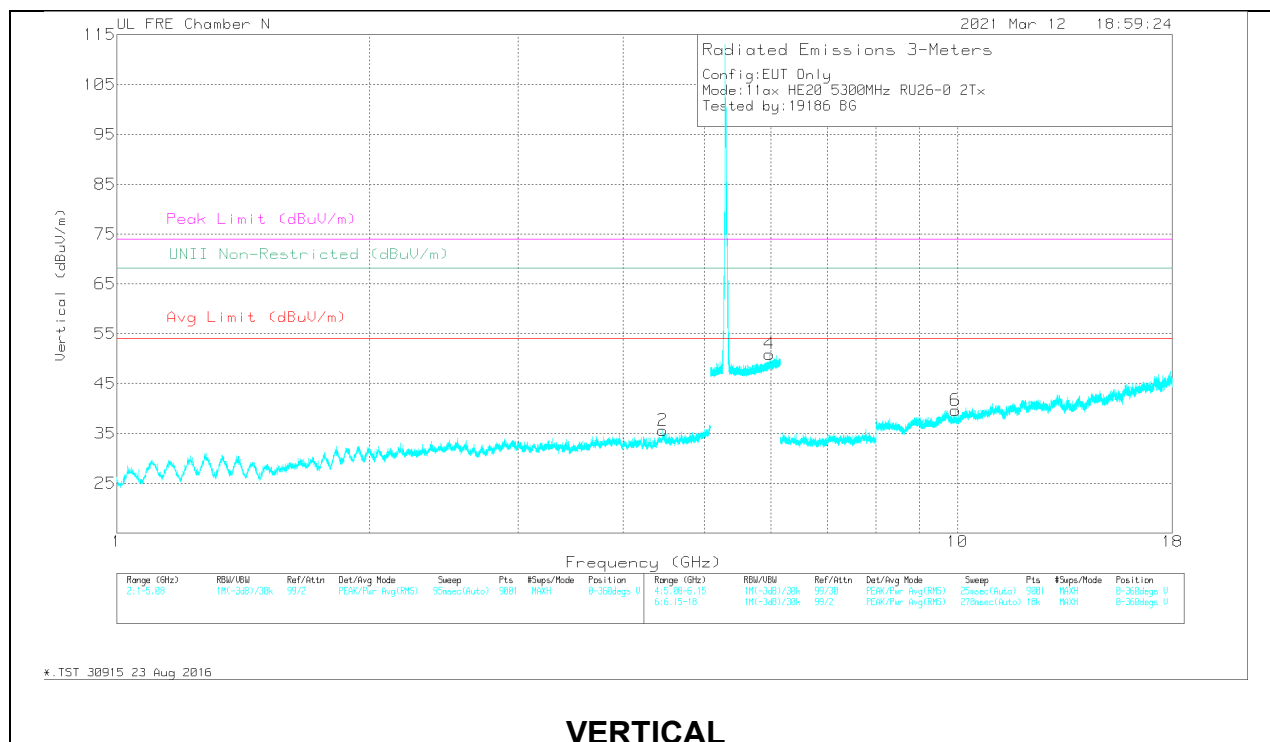
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/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	4.46481	54.86	PK-U	34.1	-43.1	45.86	-	-	-	-	68.2	-22.34	179	326	H
	4.46611	42.26	ADR	34.1	-43.1	33.26	-	-	-	-	-	-	179	326	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/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
2	4.45911	53.61	PK-U	34	-43	44.61	-	-	-	-	68.2	-23.59	154	201	V
	4.4572	42.25	ADR	34	-43.2	33.05	-	-	-	-	-	-	154	201	V

Range 3: Horizontal 5080 - 6150MHz

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/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
3	5.96795	55.86	PK-U	35.2	-32.3	58.76	-	-	-	-	68.2	-9.44	35	324	H
	5.96705	44.34	ADR	35.2	-32.3	47.24	-	-	-	-	-	-	35	324	H

Range 4: Vertical 5080 - 6150MHz

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/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
4	5.97087	55.59	PK-U	35.2	-32.1	58.69	-	-	-	-	68.2	-9.51	215	393	V
	5.97157	44.18	ADR	35.2	-32.1	47.28	-	-	-	-	-	-	215	393	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/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
5	9.94465	51.3	PK-U	37.1	-39.8	48.6	-	-	-	-	68.2	-19.6	15	182	H
	9.94429	39.72	ADR	37.1	-39.9	36.92	-	-	-	-	-	-	15	182	H

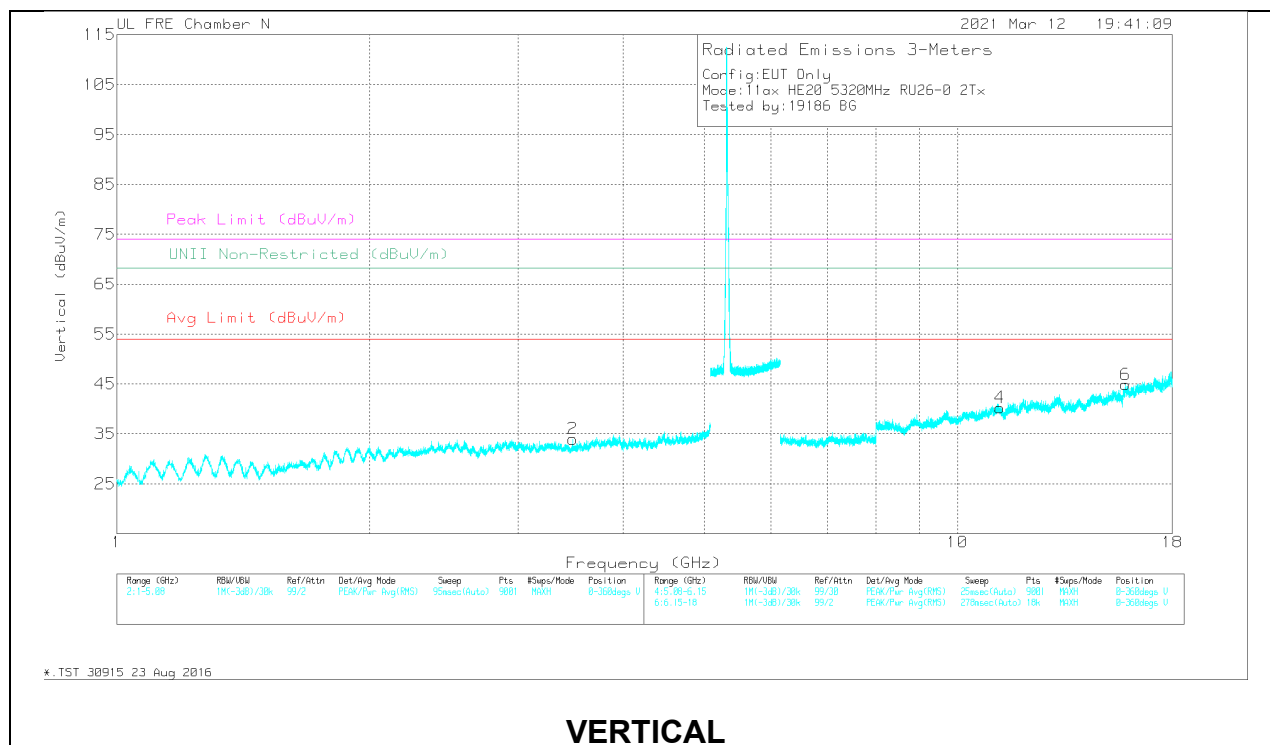
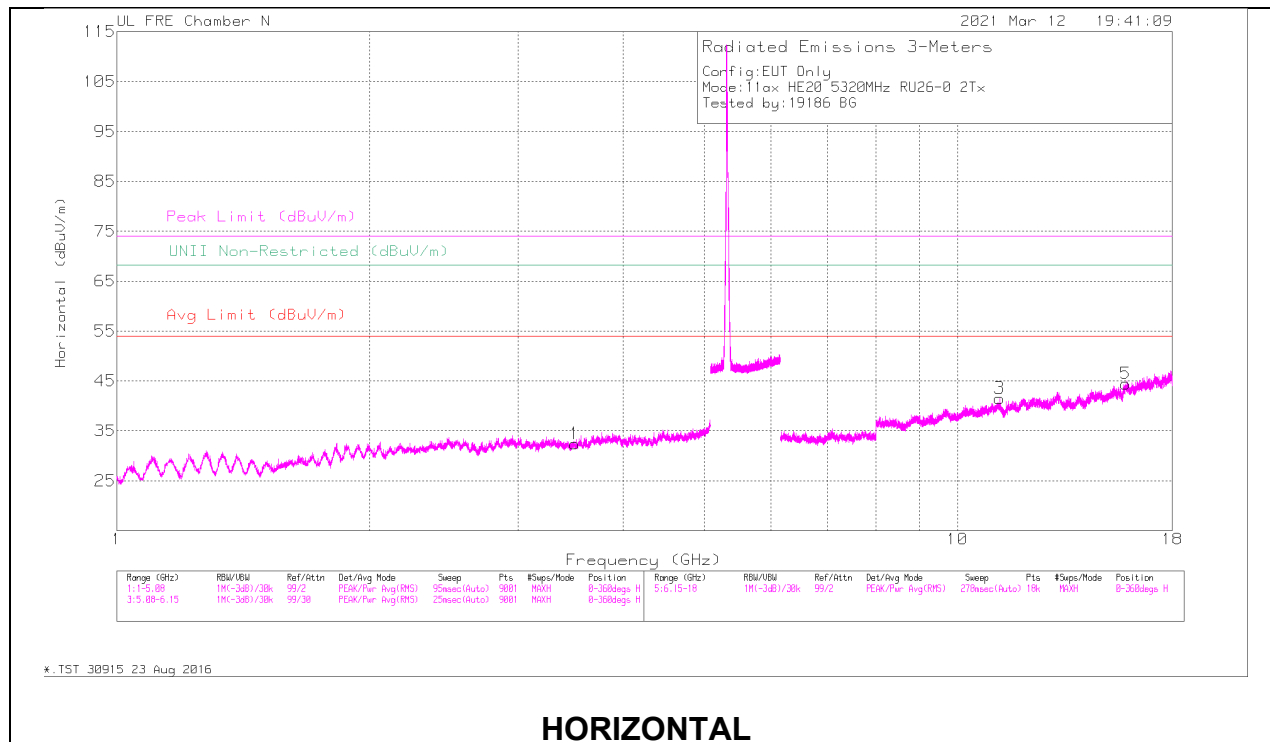
Range 6: Vertical 6150 - 18000MHz

Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/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
6	9.94022	51.55	PK-U	37.1	-40	48.65	-	-	-	-	68.2	-19.55	263	238	V
	9.94229	39.84	ADR	37.1	-40	36.94	-	-	-	-	-	-	263	238	V

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 3.50226	53.72	PK-U	32.8	-43.4	43.12	-	-	74	-30.88	-	-	279	292	H
	* 3.50512	42.02	ADR	32.9	-43.4	31.52	54	-22.48	-	-	-	-	279	292	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	3.4893	53.46	PK-U	32.8	-43.4	42.86	-	-	-	-	68.2	-25.34	281	189	V
	3.48607	41.78	ADR	32.8	-43.4	31.18	-	-	-	-	-	-	281	189	V

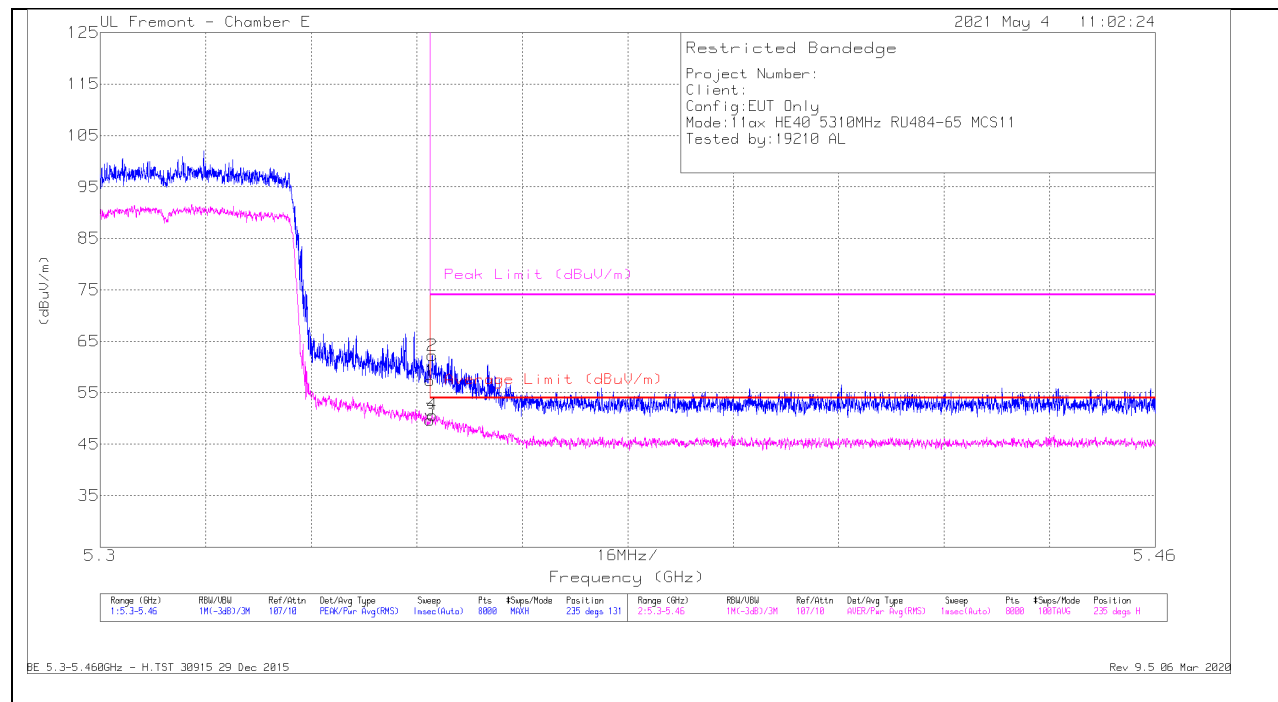
Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	* 11.21777	50.8	PK-U	38	-38.9	49.9	-	-	74	-24.1	-	-	112	128	H
	* 11.2191	39.46	ADR	38	-38.9	38.56	54	-15.44	-	-	-	-	112	128	H
5	* 15.84047	49.3	PK-U	40.2	-36.2	53.3	-	-	74	-20.7	-	-	56	256	H
	* 15.84032	37.58	ADR	40.2	-36.2	41.58	54	-12.42	-	-	-	-	56	256	H

Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
4	* 11.2231	51.43	PK-U	38	-38.8	50.63	-	-	74	-23.37	-	-	148	331	V
	* 11.22248	39.55	ADR	38	-38.8	38.75	54	-15.25	-	-	-	-	148	331	V
6	* 15.84911	49.88	PK-U	40.3	-36.2	53.98	-	-	74	-20.02	-	-	160	272	V
	* 15.84749	38.38	ADR	40.3	-36.2	42.48	54	-11.52	-	-	-	-	160	272	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

1.1.11. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.3 GHz BAND**1TX ANT 6 – 484 Tones, RU Index 65****BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078107 (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	* 5.35001	43.35	Pk	34.7	-20.7	57.35	-	-	74	-16.65	235	131	H
3	* 5.35001	35.72	RMS	34.7	-20.7	49.72	54	-4.28	-	-	235	131	H
2	* 5.35035	48.25	Pk	34.7	-20.7	62.25	-	-	74	-11.75	235	131	H
4	* 5.35039	36.71	RMS	34.7	-20.7	50.71	54	-3.29	-	-	235	131	H

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

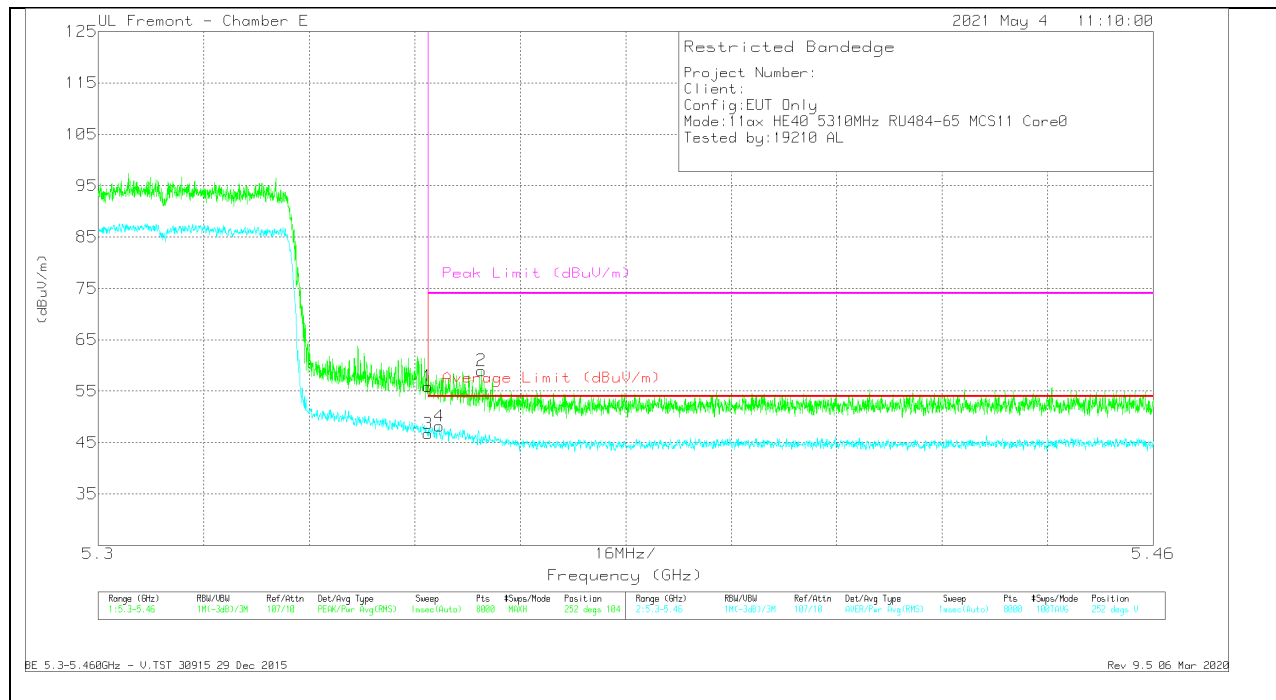
PK - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078107 (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	* 5.35001	41.96	Pk	34.7	-20.7	55.96	-	-	74	-18.04	252	104	V
2	* 5.35813	45.01	Pk	34.7	-20.7	59.01	-	-	74	-14.99	252	104	V
3	* 5.35001	32.74	RMS	34.7	-20.7	46.74	54	-7.26	-	-	252	104	V
4	* 5.35171	34.2	RMS	34.7	-20.7	48.2	54	-5.8	-	-	252	104	V

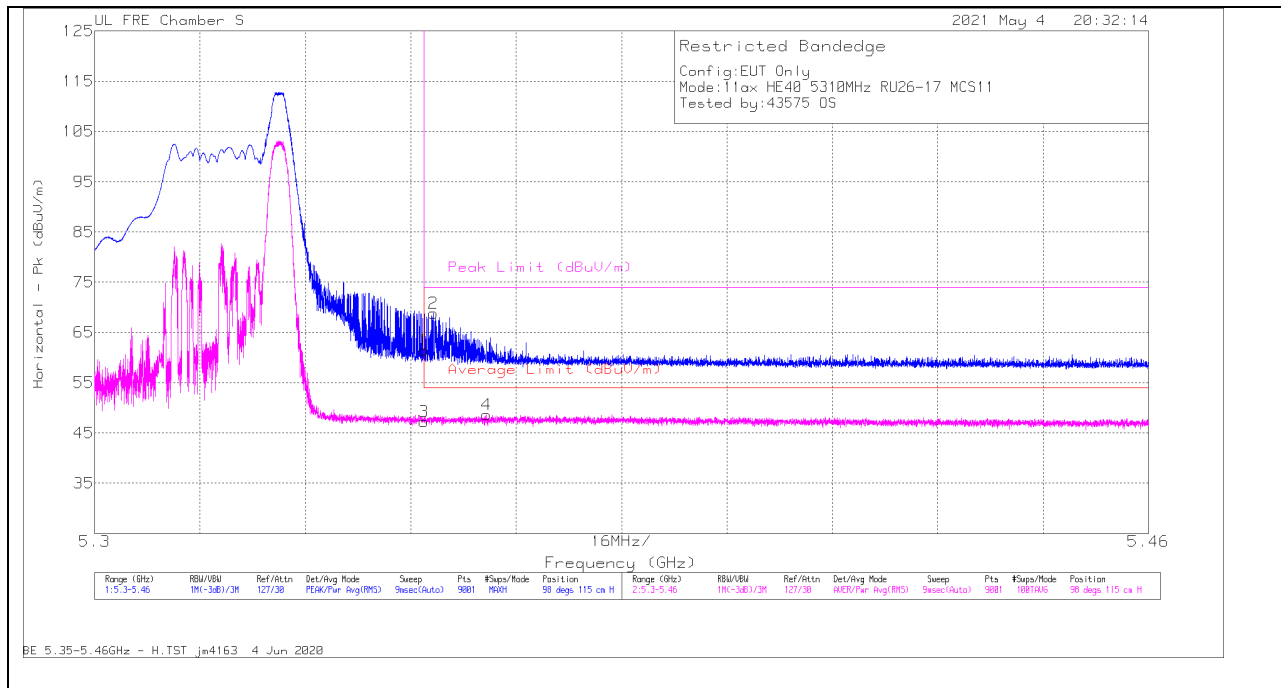
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

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

Rev 9.5 06 Mar 2020

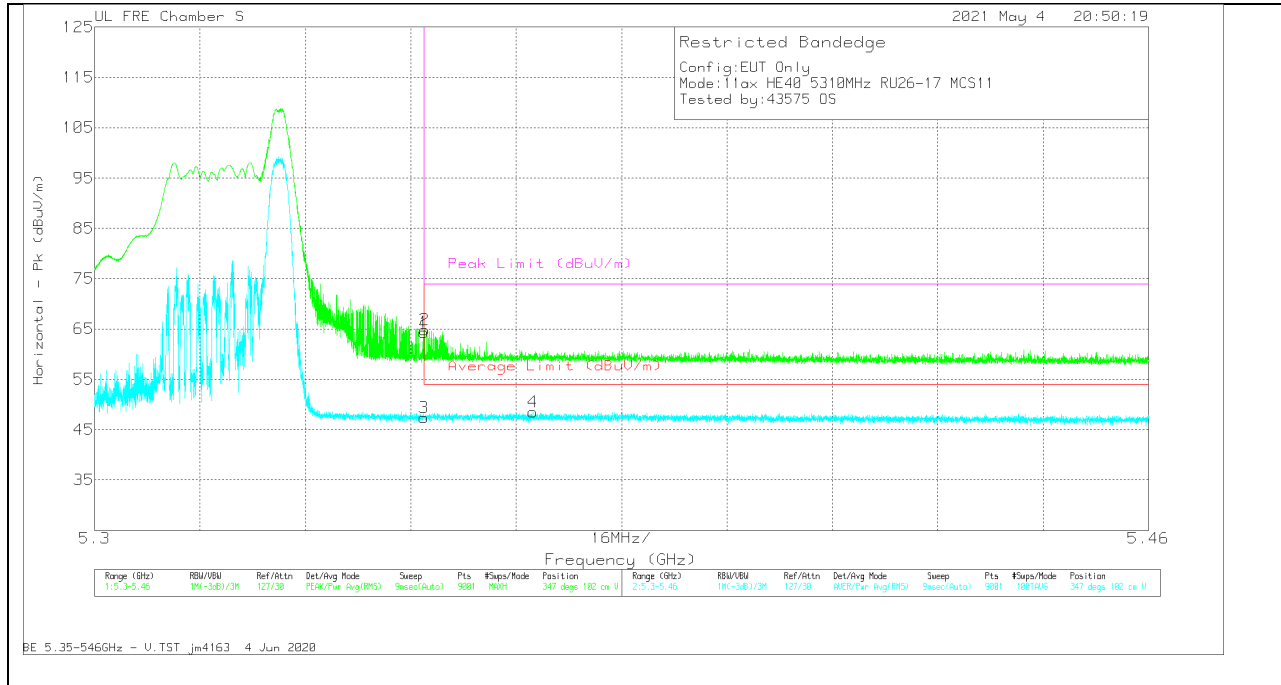
1TX ANT 6 – 26 Tones, RU Index 17**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02138 33 (dB/m)	Amp/Cbl/F ltr/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	57.9	Pk	34.5	-30.9	61.5	-	-	74	-12.5	98	115	H
3	5.35001	43.62	RMS	34.5	-30.9	47.22	54	-6.78	-	-	98	115	H
2	5.35143	65.21	Pk	34.5	-30.9	68.81	-	-	74	-5.19	98	115	H
4	5.35952	45.08	RMS	34.5	-30.9	48.68	54	-5.32	-	-	98	115	H

Pk - Peak detector

RMS - RMS detection

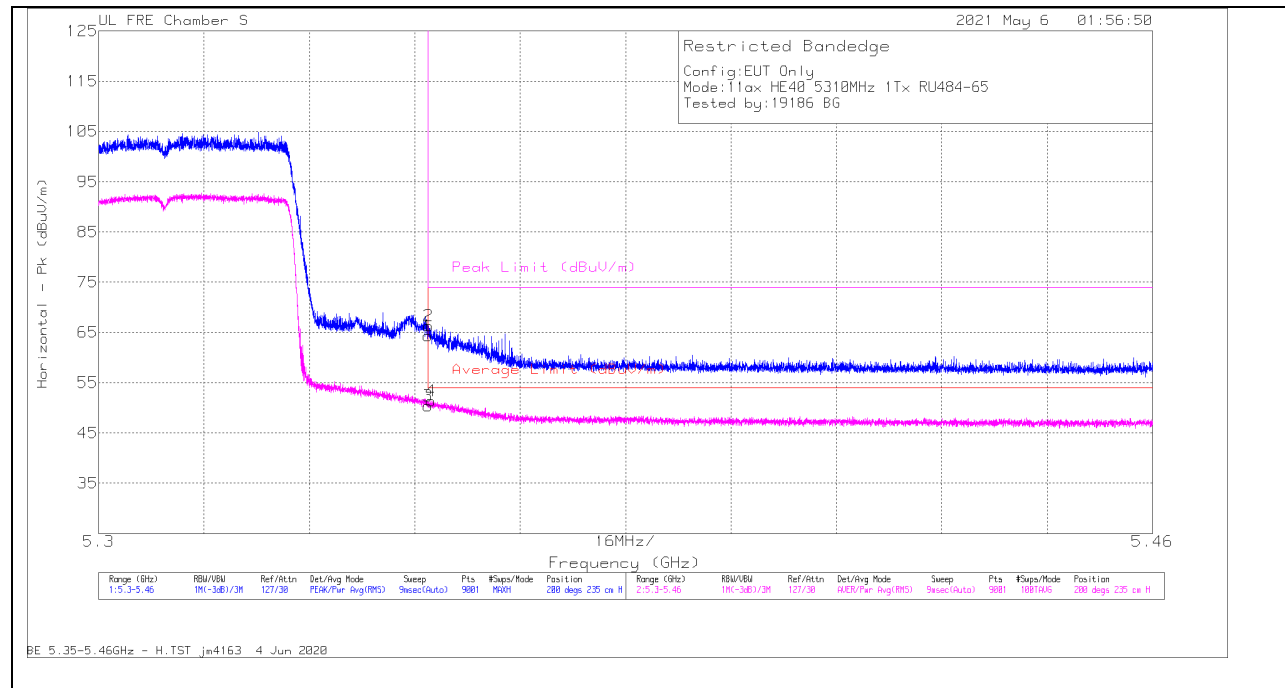
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE02138 33 (dB/m)	Amp/Cbl/F Tr/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	60.79	Pk	34.5	-30.9	64.39	-	-	74	-9.61	347	102	V
3	5.35001	43.78	RMS	34.5	-30.9	47.38	54	-6.62	-	-	347	102	V
2	5.35006	61.21	Pk	34.5	-30.9	64.81	-	-	74	-9.19	347	102	V
4	5.36658	44.78	RMS	34.6	-30.9	48.48	54	-5.52	-	-	347	102	V

Pk - Peak detector

RMS - RMS detection

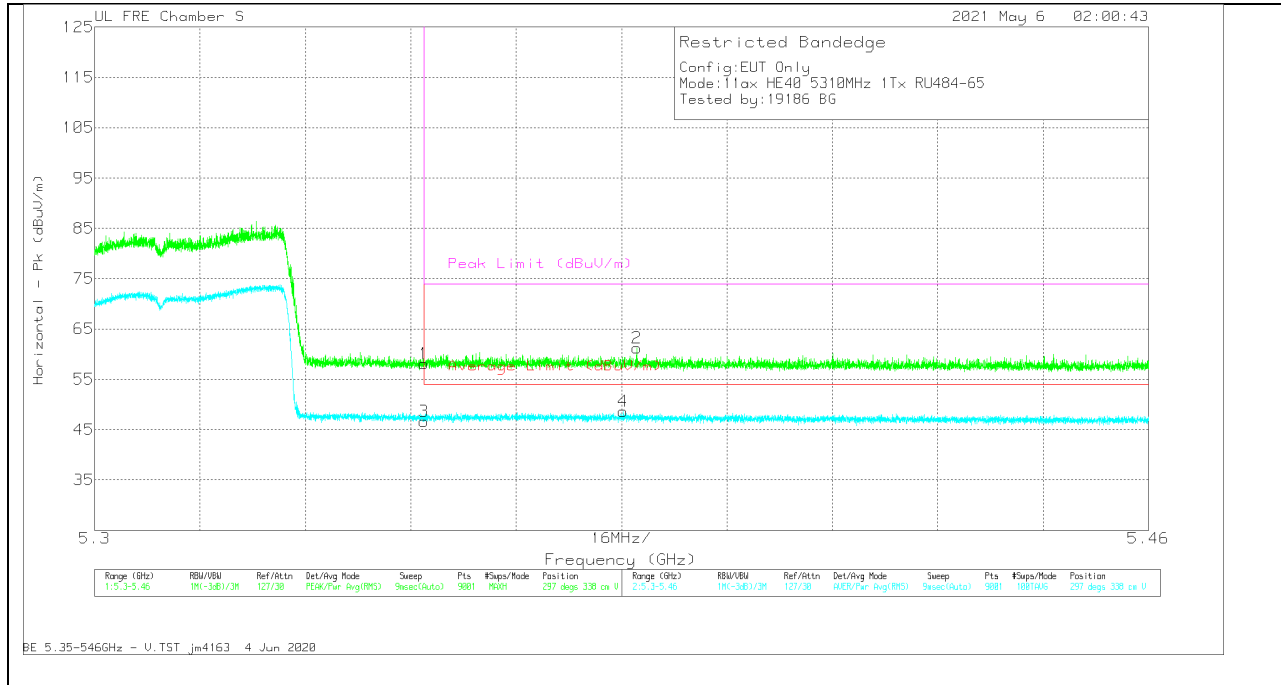
1TX ANT 5 – 484 Tones, RU Index 65**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 833 (dB/m)	Amp/Cb/ 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	5.35001	60.77	Pk	34.5	-30.9	64.37	-	-	74	-9.63	200	235	H
3	5.35001	46.83	RMS	34.5	-30.9	50.43	54	-3.57	-	-	200	235	H
2	5.3501	62.74	Pk	34.5	-30.9	66.34	-	-	74	-7.66	200	235	H
4	5.35044	47.8	RMS	34.5	-30.9	51.4	54	-2.6	-	-	200	235	H

Pk - Peak detector

RMS - RMS detection

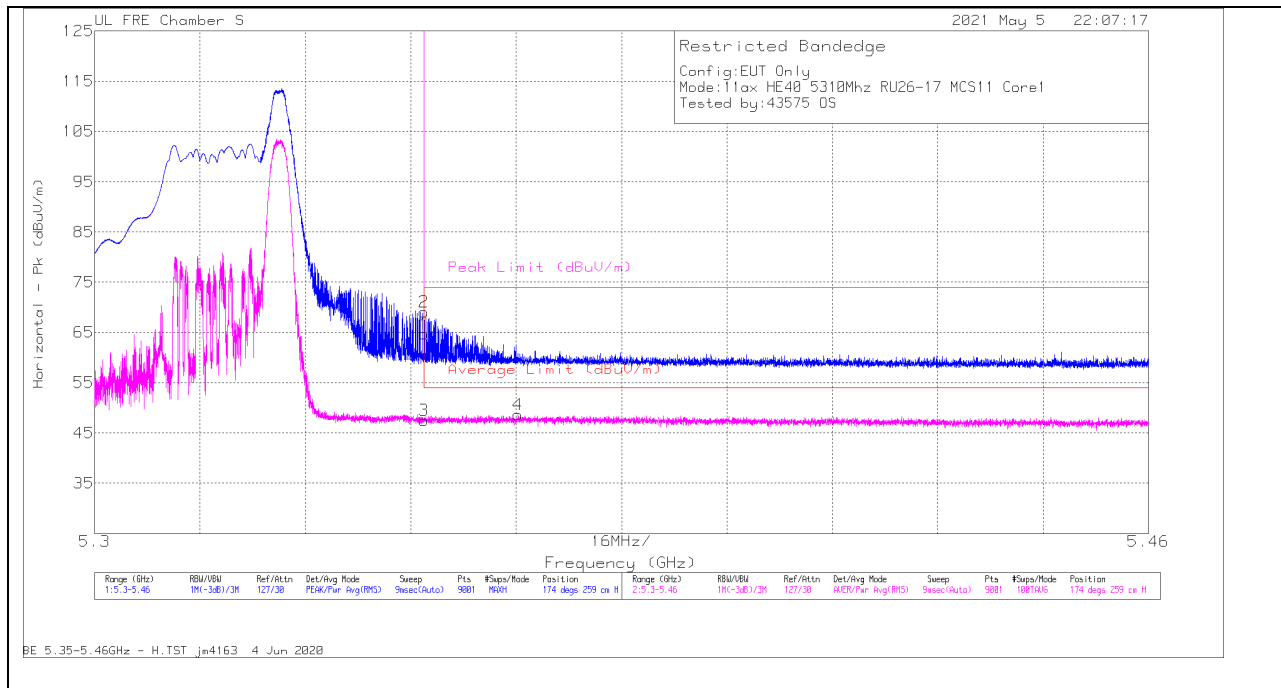
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 833 (dB/m)	Amp/Cbl/ 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	5.35001	54.46	Pk	34.5	-30.9	58.06	-	-	74	-15.94	297	338	V
3	5.35001	42.99	RMS	34.5	-30.9	46.59	54	-7.41	-	-	297	338	V
4	5.38025	44.78	RMS	34.6	-30.8	48.58	54	-5.42	-	-	297	338	V
2	5.38228	57.57	Pk	34.5	-30.8	61.27	-	-	74	-12.73	297	338	V

Pk - Peak detector

RMS - RMS detection

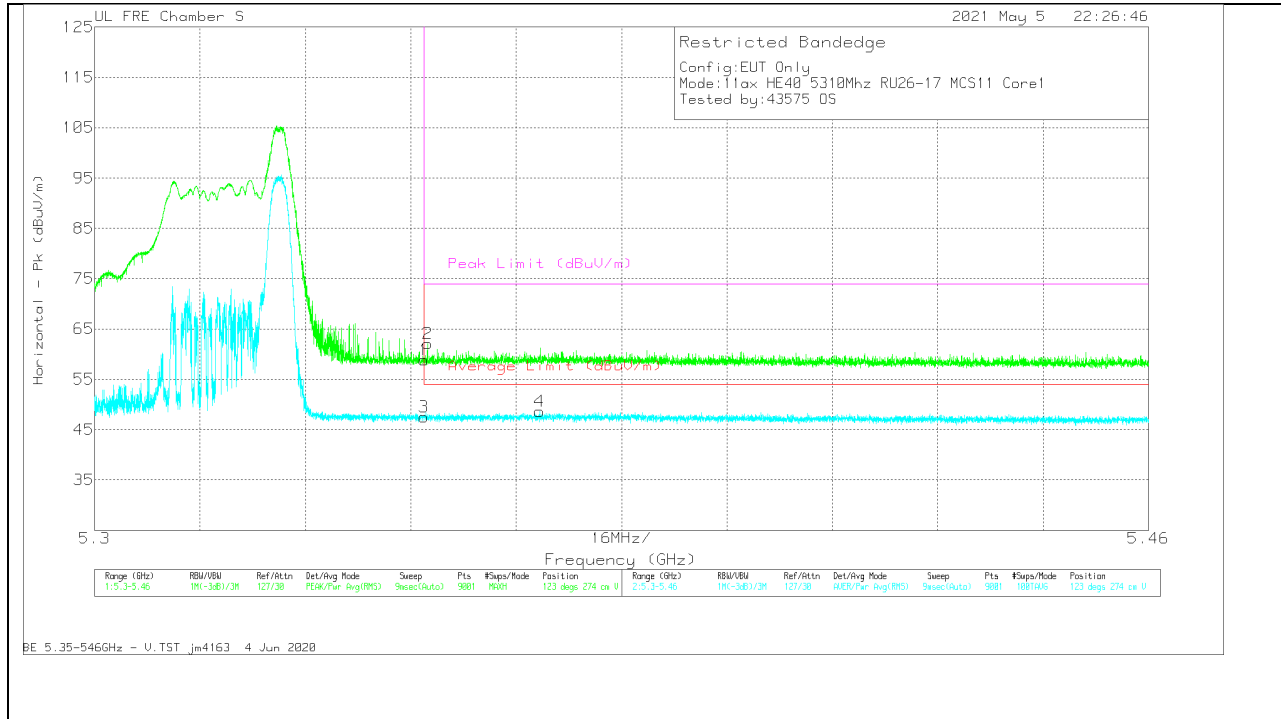
1TX ANT 5 – 26 Tones, RU Index 17**BANDEGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 833 (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	61.13	Pk	34.5	-30.9	64.73	-	-	74	-9.27	174	259	H
3	5.35001	43.91	RMS	34.5	-30.9	47.51	54	-6.49	-	-	174	259	H
2	5.35003	65.49	Pk	34.5	-30.9	69.09	-	-	74	-4.91	174	259	H
4	5.36427	44.89	RMS	34.6	-30.9	48.59	54	-5.41	-	-	174	259	H

Pk - Peak detector

RMS - RMS detection

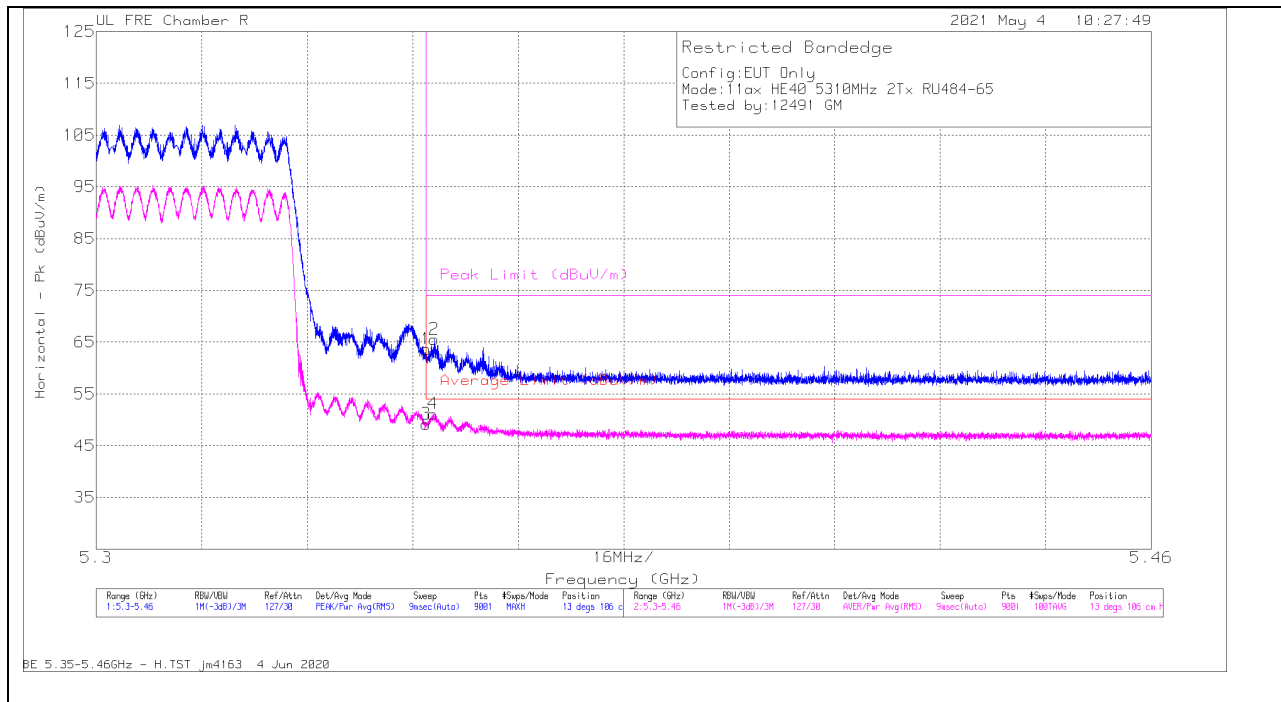
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213833 (dB/m)	Amp/Cb1/F1tr/P ad (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	55.31	Pk	34.5	-30.9	58.91	-	-	74	-15.09	123	274	V
3	5.35001	43.91	RMS	34.5	-30.9	47.51	54	-6.49	-	-	123	274	V
2	5.35053	58.5	Pk	34.5	-30.9	62.1	-	-	74	-11.9	123	274	V
4	5.36754	44.79	RMS	34.6	-30.8	48.59	54	-5.41	-	-	123	274	V

Pk - Peak detector

RMS - RMS detection

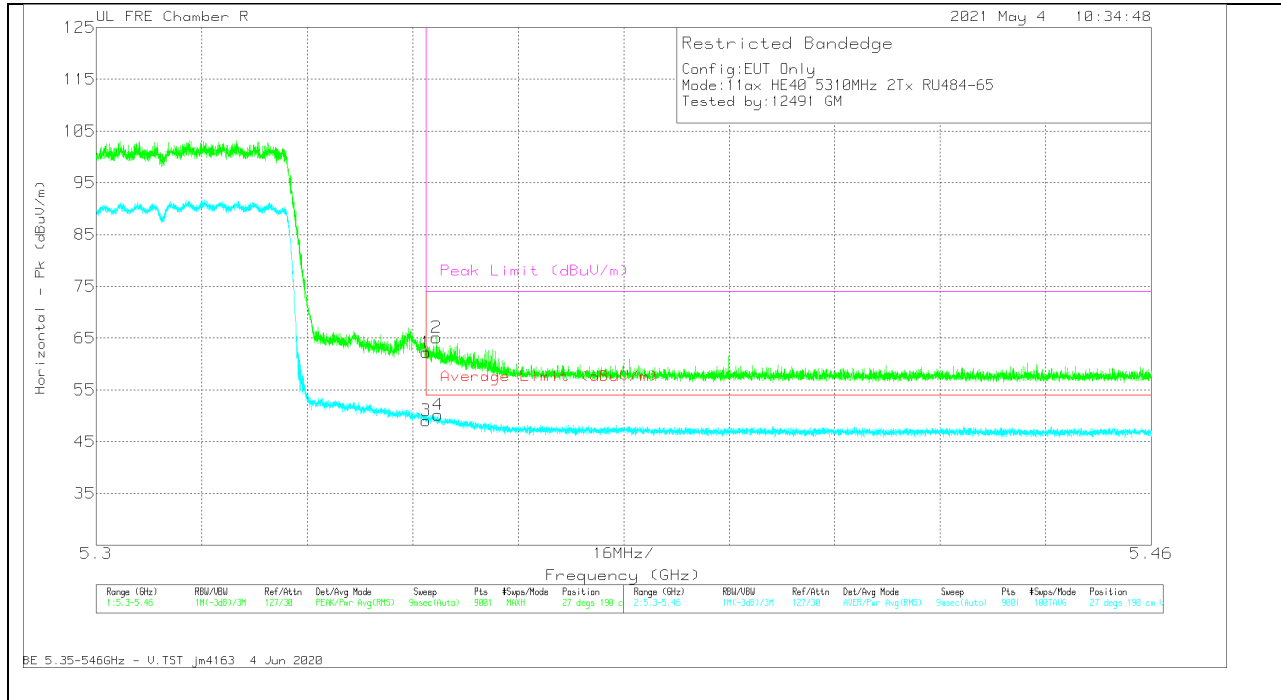
2TX ANT 6 + ANT 5 OFDMA MODE – 484 Tones, RU Index 65**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (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	60.56	Pk	34.4	-31.3	63.66	-	-	74	-10.34	13	106	H
3	5.35001	46.07	RMS	34.4	-31.3	49.17	54	-4.83	-	-	13	106	H
4	5.35108	48.04	RMS	34.4	-31.3	51.14	54	-2.86	-	-	13	106	H
2	5.35124	62.44	Pk	34.4	-31.3	65.54	-	-	74	-8.46	13	106	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



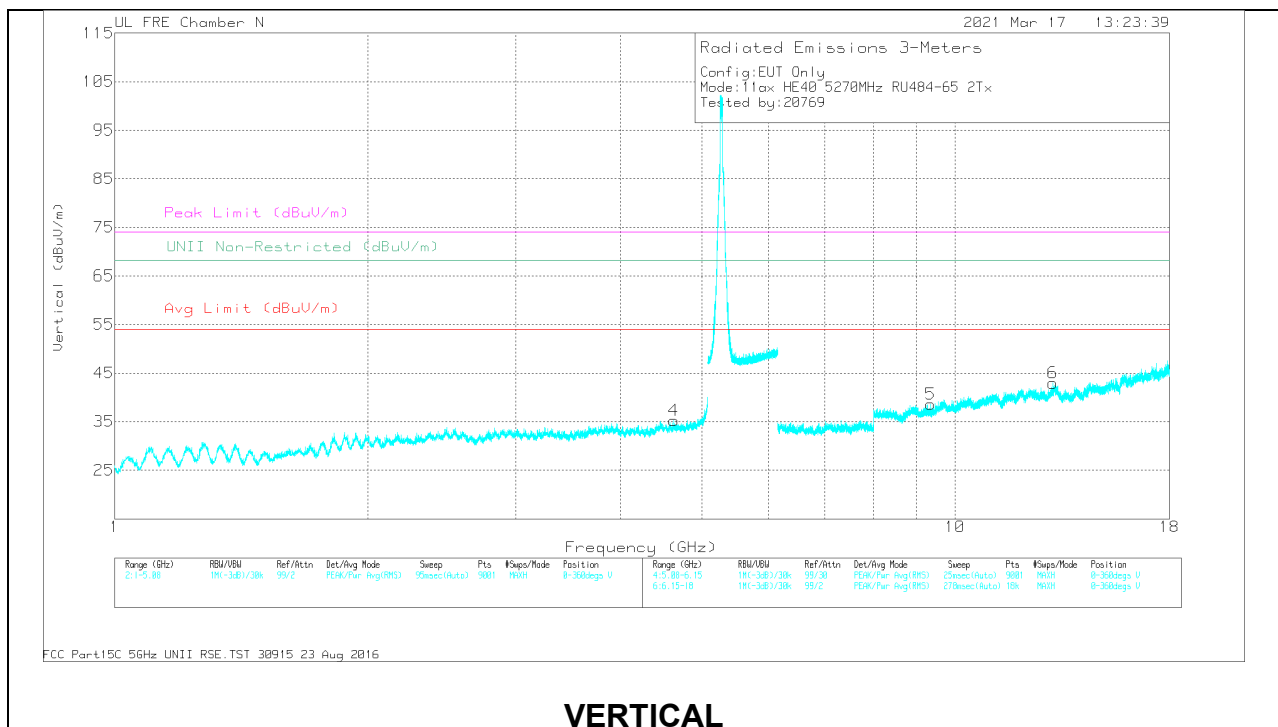
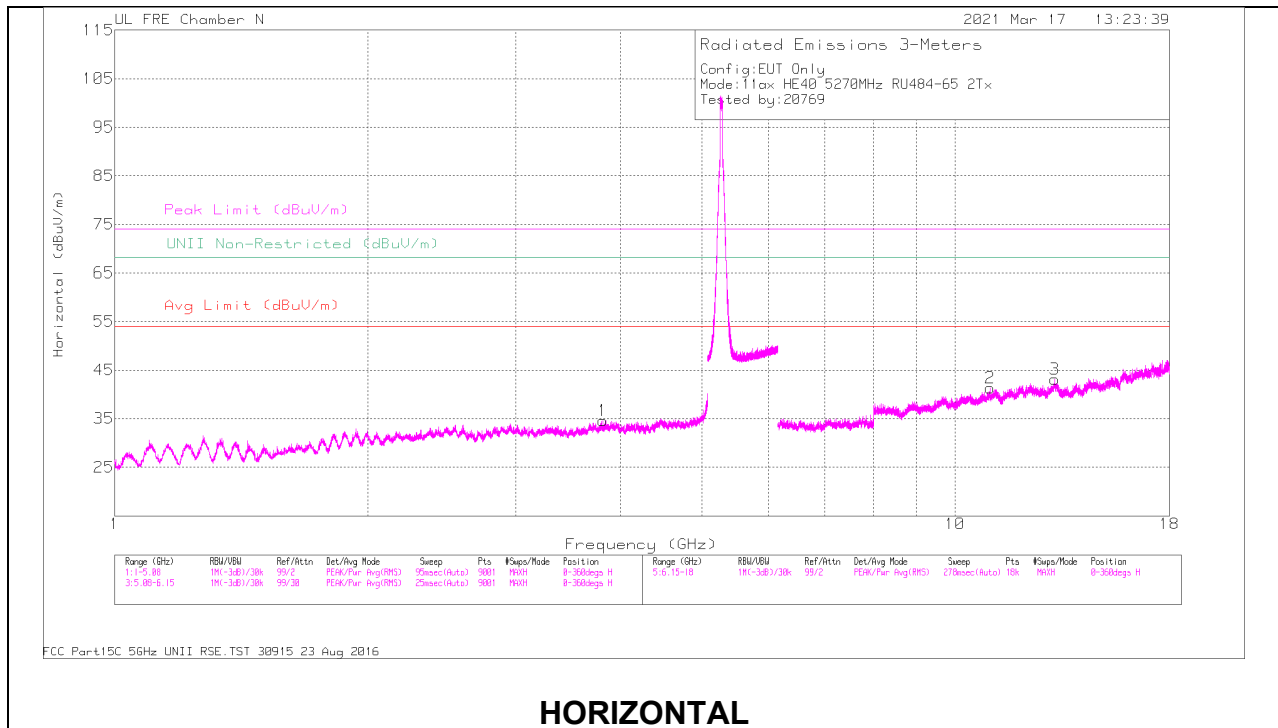
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	59.14	Pk	34.4	-31.3	62.24	-	-	74	-11.76	27	190	V
3	5.35001	45.95	RMS	34.4	-31.3	49.05	54	-4.95	-	-	27	190	V
2	5.35159	62.02	Pk	34.4	-31.3	65.12	-	-	74	-8.88	27	190	V
4	5.35181	47.1	RMS	34.4	-31.3	50.2	54	-3.8	-	-	27	190	V

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 3.80857	53.51	PK-U	33.4	-43.5	43.41	-	-	74	-30.59	-	-	347	309	H
	* 3.80976	41.75	ADR	33.5	-43.6	31.65	54	-22.35	-	-	-	-	347	309	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
4	* 4.63095	53.39	PK-U	34.2	-43	44.59	-	-	74	-29.41	-	-	46	293	V
	* 4.63033	41.6	ADR	34.2	-43	32.8	54	-21.2	-	-	-	-	46	293	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 11.01331	50.5	PK-U	37.8	-38.9	49.4	-	-	74	-24.6	-	-	172	159	H
	* 11.01121	38.81	ADR	37.8	-38.8	37.81	54	-16.19	-	-	-	-	172	159	H
3	13.13543	50.85	PK-U	39.3	-37.3	52.85	-	-	-	-	68.2	-15.35	17	106	H
	13.1344	38.45	ADR	39.3	-37.3	40.45	-	-	-	-	-	-	17	106	H

Range 6: Vertical 6150 - 18000MHz

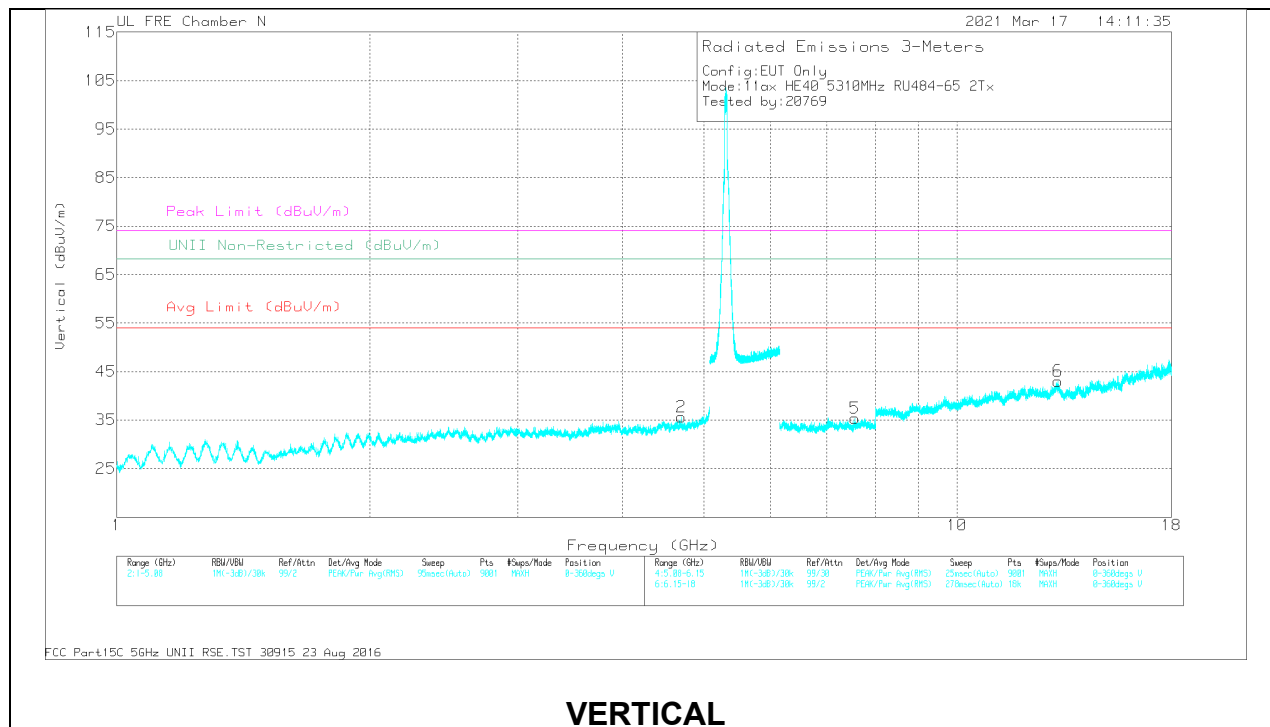
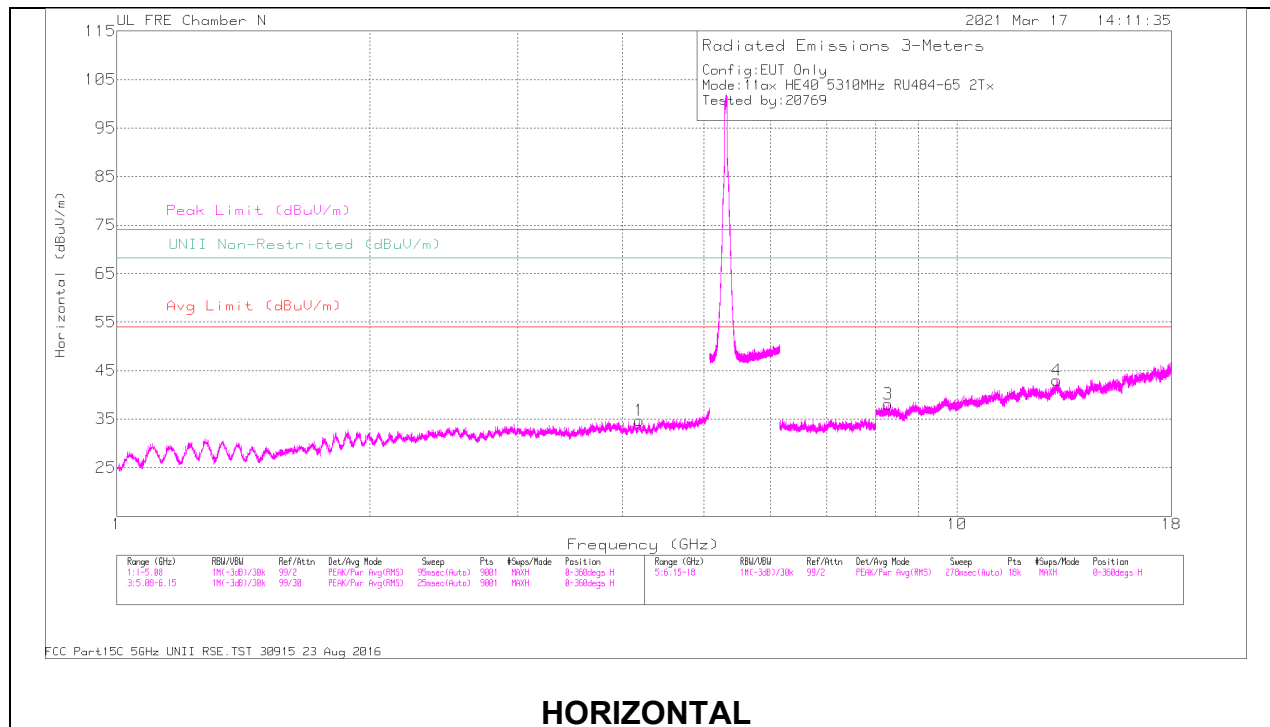
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 9.35513	50.45	PK-U	36.4	-39.8	47.05	-	-	74	-26.95	-	-	177	399	V
	* 9.35243	39.01	ADR	36.4	-39.9	35.51	54	-18.49	-	-	-	-	177	399	V
6	13.08874	49.97	PK-U	39.3	-37.8	51.47	-	-	-	-	68.2	-16.73	42	312	V
	13.0882	38.37	ADR	39.2	-37.8	39.77	-	-	-	-	-	-	42	312	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**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 4.18629	53.51	PK-U	33.4	-43.4	43.51	-	-	74	-30.49	-	-	92	245	H
	* 4.1857	42.13	ADR	33.4	-43.4	32.13	54	-21.87	-	-	-	-	92	245	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 4.69745	53.32	PK-U	34.1	-43.1	44.32	-	-	74	-29.68	-	-	115	258	V
	* 4.69536	41.83	ADR	34.1	-43.1	32.83	54	-21.17	-	-	-	-	115	258	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	* 8.28744	51.18	PK-U	35.9	-40.3	46.78	-	-	74	-27.22	-	-	218	231	H
	* 8.28483	39.61	ADR	35.9	-40.3	35.21	54	-18.79	-	-	-	-	218	231	H
4	13.14009	50.3	PK-U	39.3	-37.2	52.4	-	-	-	-	68.2	-15.8	321	257	H
	13.14129	38.73	ADR	39.3	-37.2	40.83	-	-	-	-	-	-	321	257	H

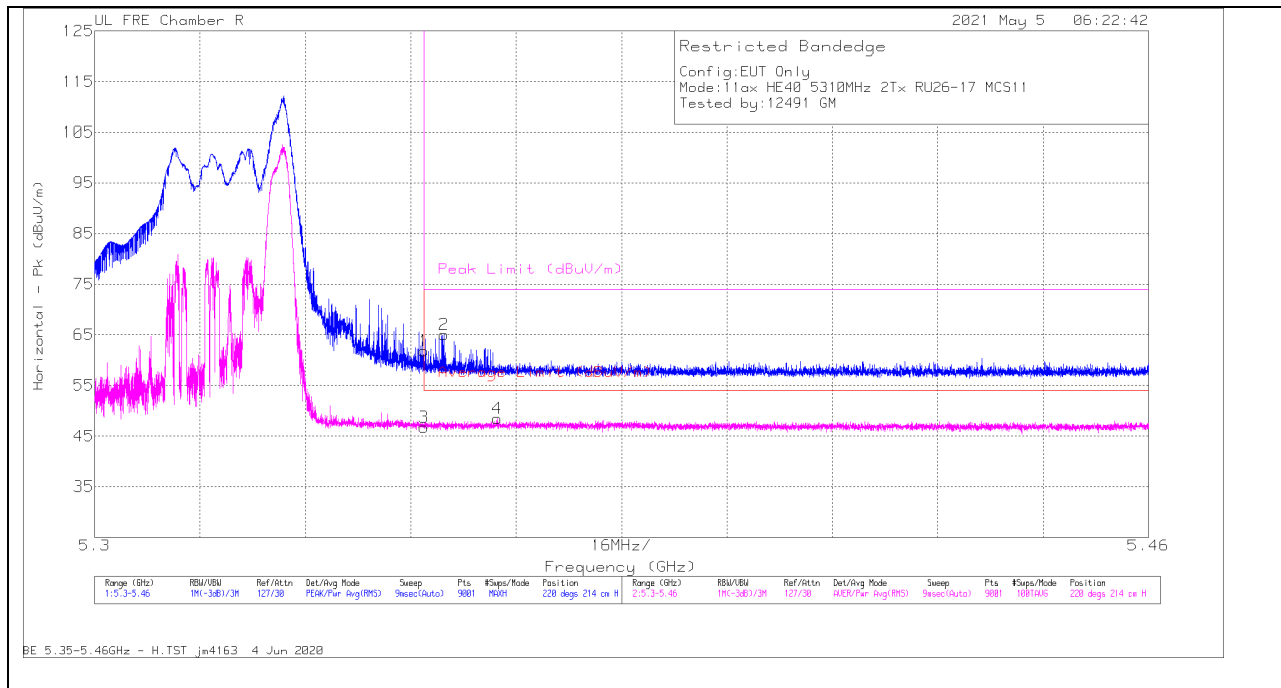
Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
5	* 7.55829	51.09	PK-U	35.8	-40.7	46.19	-	-	74	-27.81	-	-	58	117	V
	* 7.55727	39.38	ADR	35.8	-40.7	34.48	54	-19.52	-	-	-	-	58	117	V
6	13.1975	50.03	PK-U	39.2	-37.5	51.73	-	-	-	-	68.2	-16.47	193	274	V
	13.19691	38.71	ADR	39.2	-37.5	40.41	-	-	-	-	-	-	193	274	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

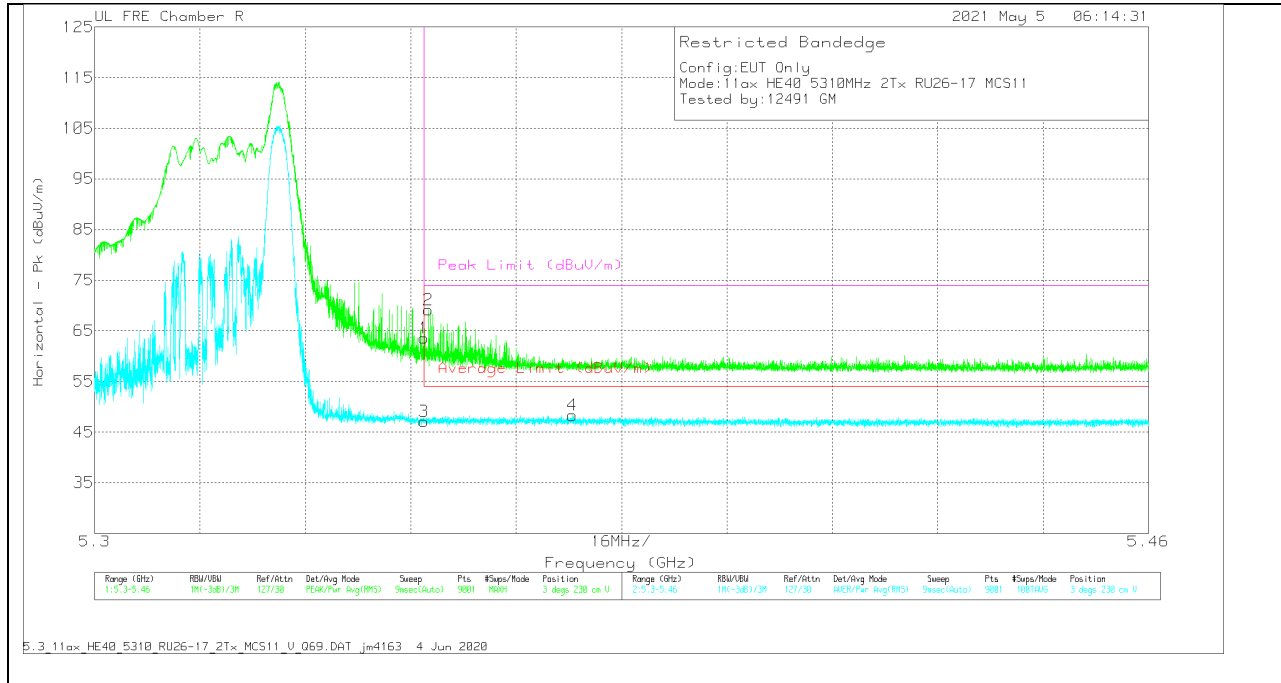
2TX ANT 6 + ANT 5 OFDMA MODE – 26 Tones, RU Index 17**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213 973 (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	58.74	Pk	34.4	-31.3	61.84	-	-	74	-12.16	220	214	H
3	5.35001	43.65	RMS	34.4	-31.3	46.75	54	-7.25	-	-	220	214	H
2	5.353	61.95	Pk	34.4	-31.3	65.05	-	-	74	-8.95	220	214	H
4	5.36116	45.23	RMS	34.4	-31.2	48.43	54	-5.57	-	-	220	214	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



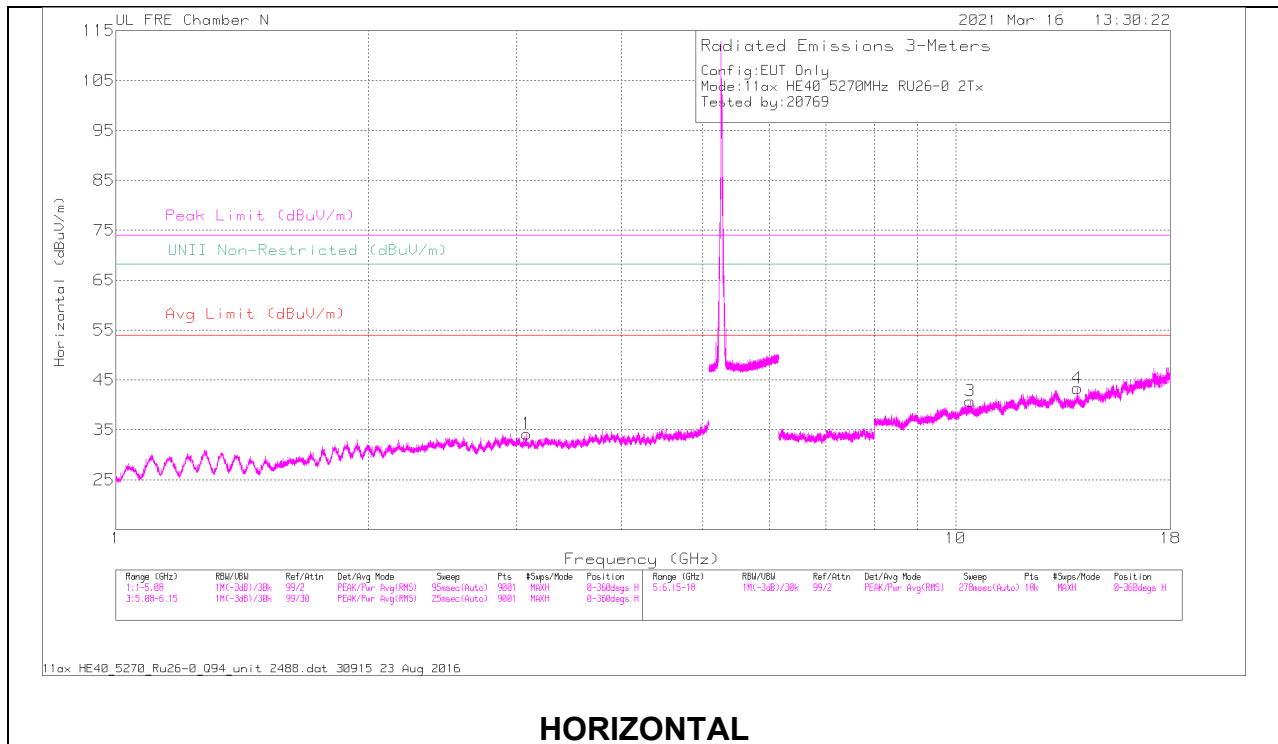
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0213973 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	5.35001	60.51	Pk	34.4	-31.3	63.61	-	-	74	-10.39	3	230	V
3	5.35001	43.98	RMS	34.4	-31.3	47.08	54	-6.92	-	-	3	230	V
2	5.3507	66.07	Pk	34.4	-31.3	69.17	-	-	74	-4.83	3	230	V
4	5.37257	45.09	RMS	34.3	-31.1	48.29	54	-5.71	-	-	3	230	V

Pk - Peak detector

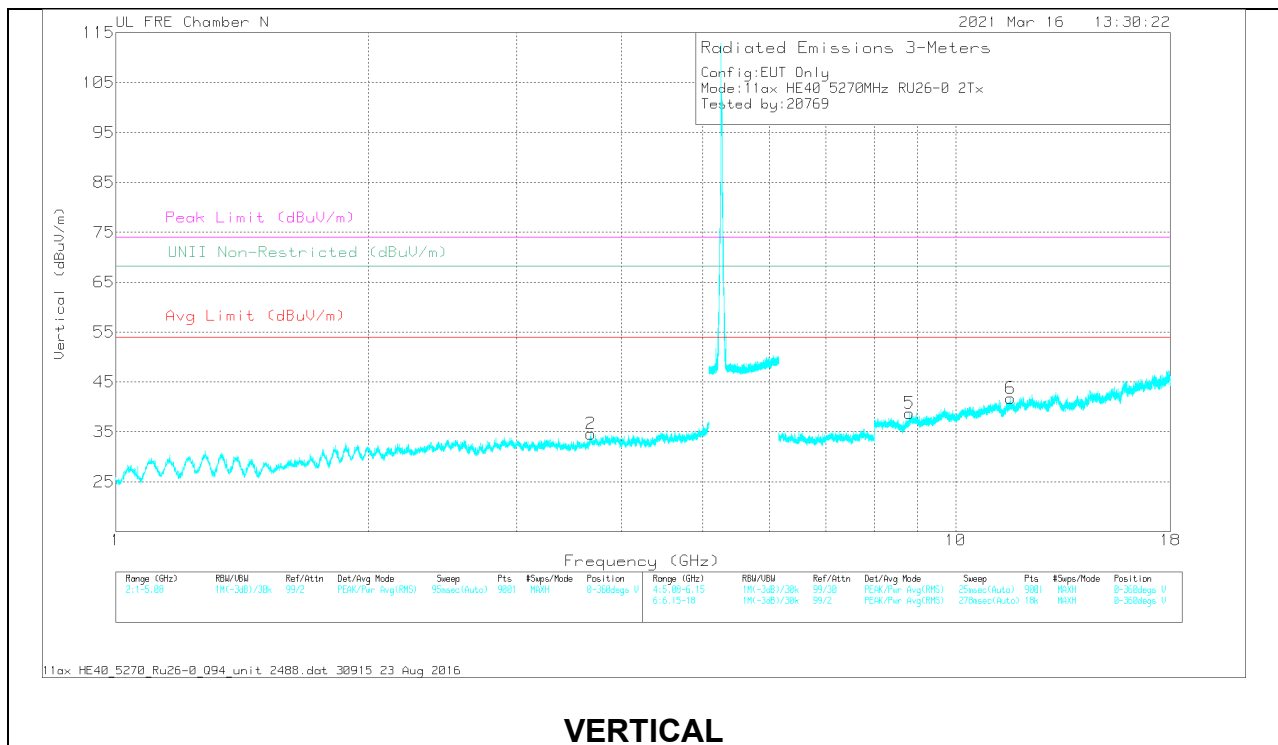
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	3.08422	54.37	PK-U	33	-44.2	43.17	-	-	-	-	68.2	-25.03	210	205	H
	3.08438	42.38	ADR	33	-44.2	31.18	-	-	-	-	-	-	210	205	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 3.67811	54.8	PK-U	33.5	-43.8	44.5	-	-	74	-29.5	-	-	254	291	V
	* 3.67985	42.32	ADR	33.5	-43.8	32.02	54	-21.98	-	-	-	-	254	291	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	10.40037	52.08	PK-U	37.5	-40.1	49.48	-	-	-	-	68.2	-18.72	104	245	H
	10.40258	40.42	ADR	37.5	-40.1	37.82	-	-	-	-	-	-	104	245	H
4	13.95775	51.06	PK-U	38.6	-38.2	51.46	-	-	-	-	68.2	-16.74	340	276	H
	13.95798	39.15	ADR	38.6	-38.2	39.55	-	-	-	-	-	-	340	276	H

Range 6: Vertical 6150 - 18000MHz

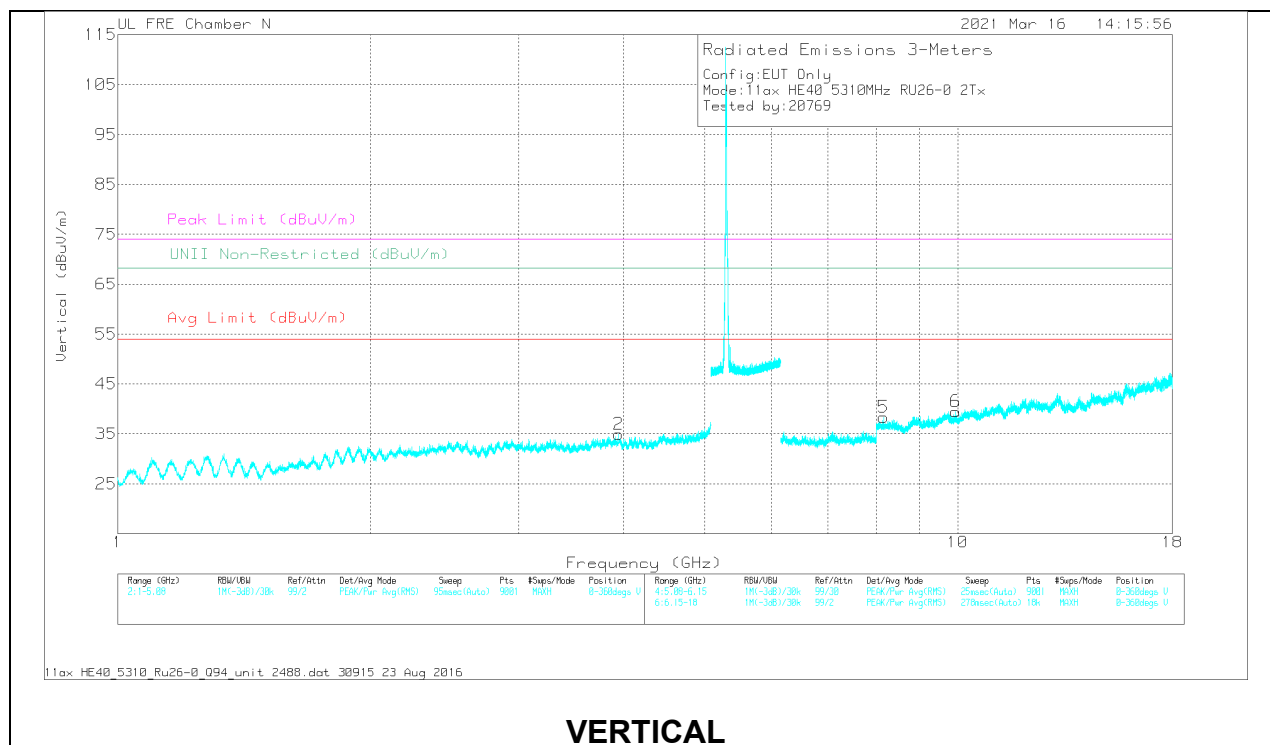
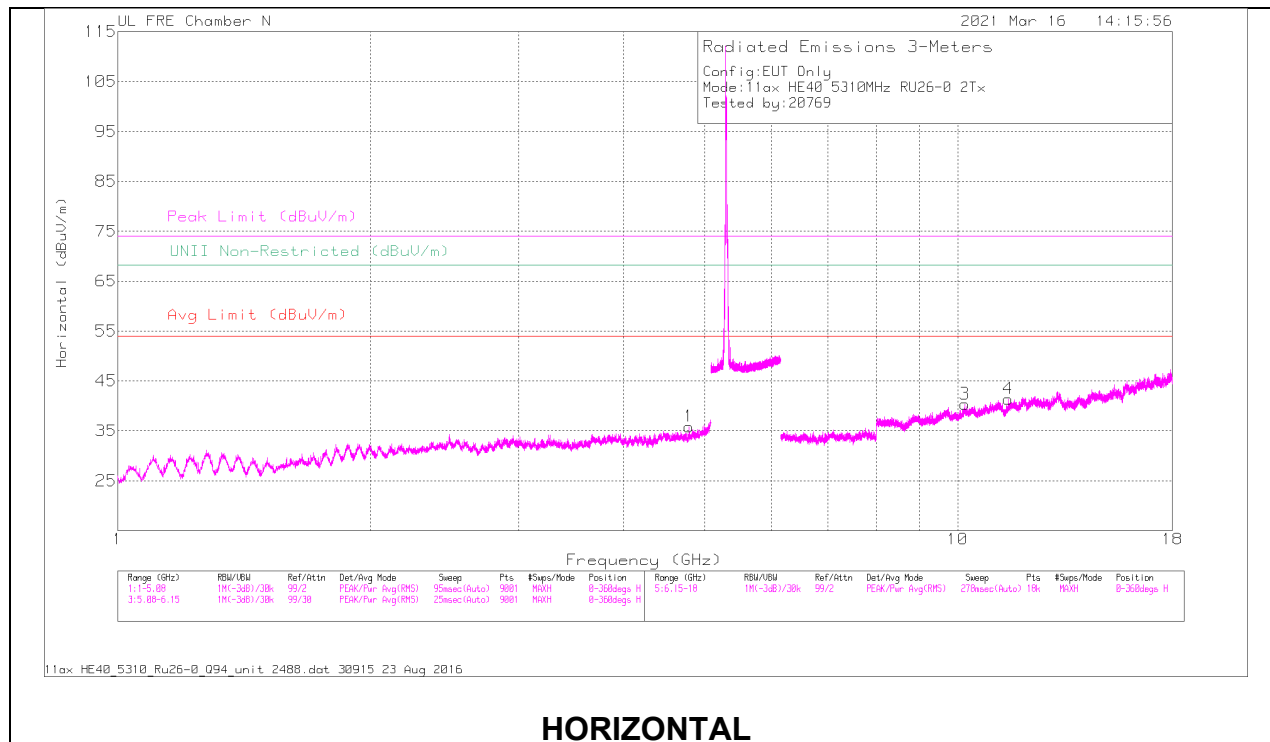
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	Amp/Cbl /Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	8.81023	51.99	PK-U	36.1	-39.9	48.19	-	-	-	-	68.2	-20.01	96	192	V
	8.81138	39.71	ADR	36.1	-39.8	36.01	-	-	-	-	-	-	96	192	V
6	* 11.62372	50.17	PK-U	38.4	-38.5	50.07	-	-	74	-23.93	-	-	59	270	V
	* 11.62297	38.77	ADR	38.3	-38.5	38.57	54	-15.43	-	-	-	-	59	270	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**Range 1: Horizontal 1000 - 5080MHz**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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	* 4.79087	53.4	PK-U	34.1	-42.8	44.7	-	-	74	-29.3	-	-	328	162	H
	* 4.78974	41.69	ADR	34.1	-42.8	32.99	54	-21.01	-	-	-	-	328	162	H

Range 2: Vertical 1000 - 5080MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
2	* 3.94914	54.25	PK-U	33.7	-43.2	44.75	-	-	74	-29.25	-	-	243	269	V
	* 3.94854	41.85	ADR	33.7	-43.2	32.35	54	-21.65	-	-	-	-	243	269	V

Range 5: Horizontal 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
3	10.18949	50.85	PK-U	37.3	-39.6	48.55	-	-	-	-	68.2	-19.65	192	318	H
	10.18997	39.61	ADR	37.3	-39.5	37.41	-	-	-	-	-	-	192	318	H
4	* 11.48002	49.4	PK-U	38.2	-37.9	49.7	-	-	74	-24.3	-	-	264	136	H
	* 11.48166	37.71	ADR	38.2	-37.9	38.01	54	-15.99	-	-	-	-	264	136	H

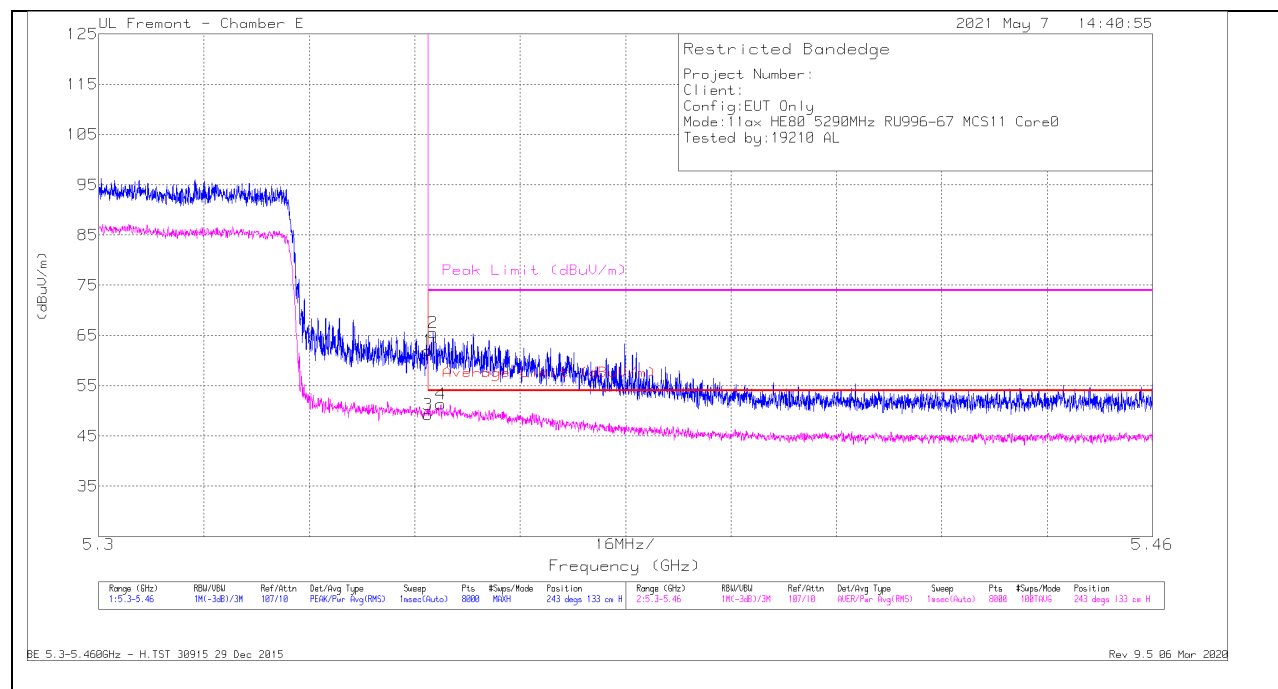
Range 6: Vertical 6150 - 18000MHz

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE021 3971 (dB/m)	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
5	* 8.15654	51.91	PK-U	35.8	-40.6	47.11	-	-	74	-26.89	-	-	43	216	V
	* 8.15785	40	ADR	35.8	-40.6	35.2	54	-18.8	-	-	-	-	43	216	V
6	9.9393	51.51	PK-U	37.1	-40	48.61	-	-	-	-	68.2	-19.59	263	172	V
	9.93996	39.74	ADR	37.1	-40	36.84	-	-	-	-	-	-	263	172	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

1.1.12. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.3 GHz BAND**1TX ANT 6 – 996 Tones, RU Index 67****BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (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	47.98	Pk	34.7	-20.7	61.98	-	-	74	-12.02	243	133	H
3	* 5.35001	35.2	RMS	34.7	-20.7	49.20	54	-4.80	-	-	243	133	H
2	* 5.35077	51.57	Pk	34.7	-20.7	65.57	-	-	74	-8.43	243	133	H
4	* 5.35195	37.22	RMS	34.7	-20.7	51.22	54	-2.78	-	-	243	133	H

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

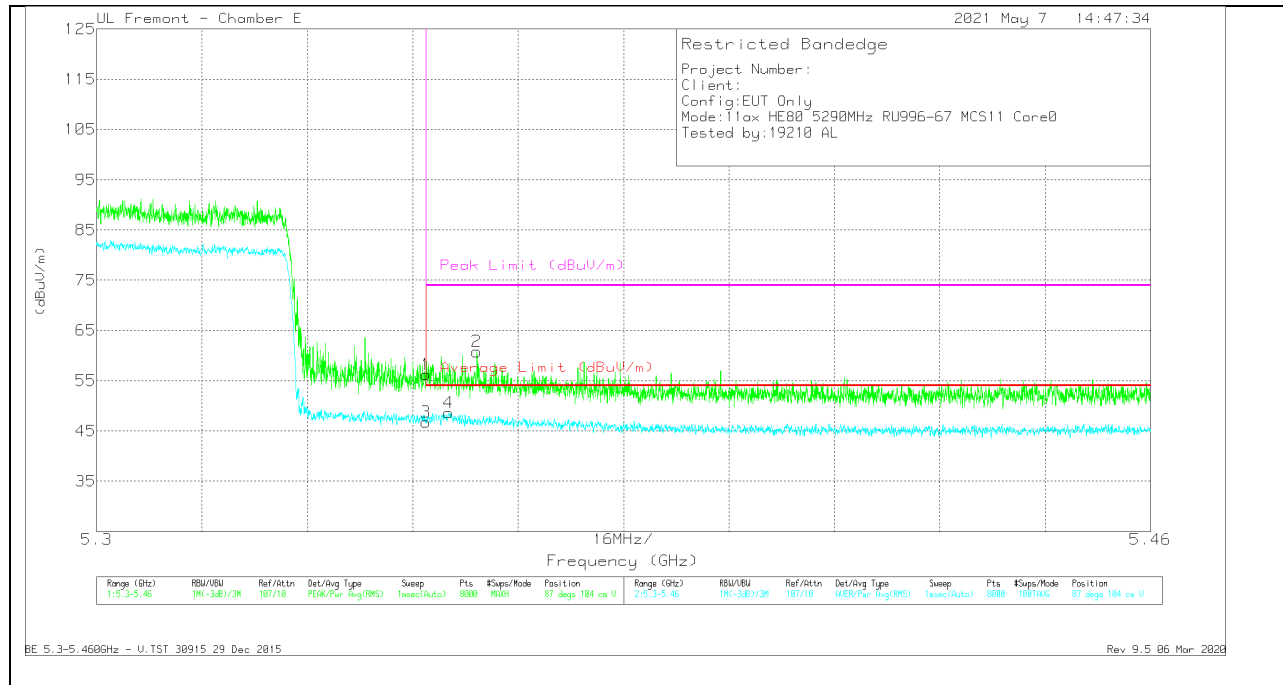
Pk - Peak detector

RMS - RMS detection

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

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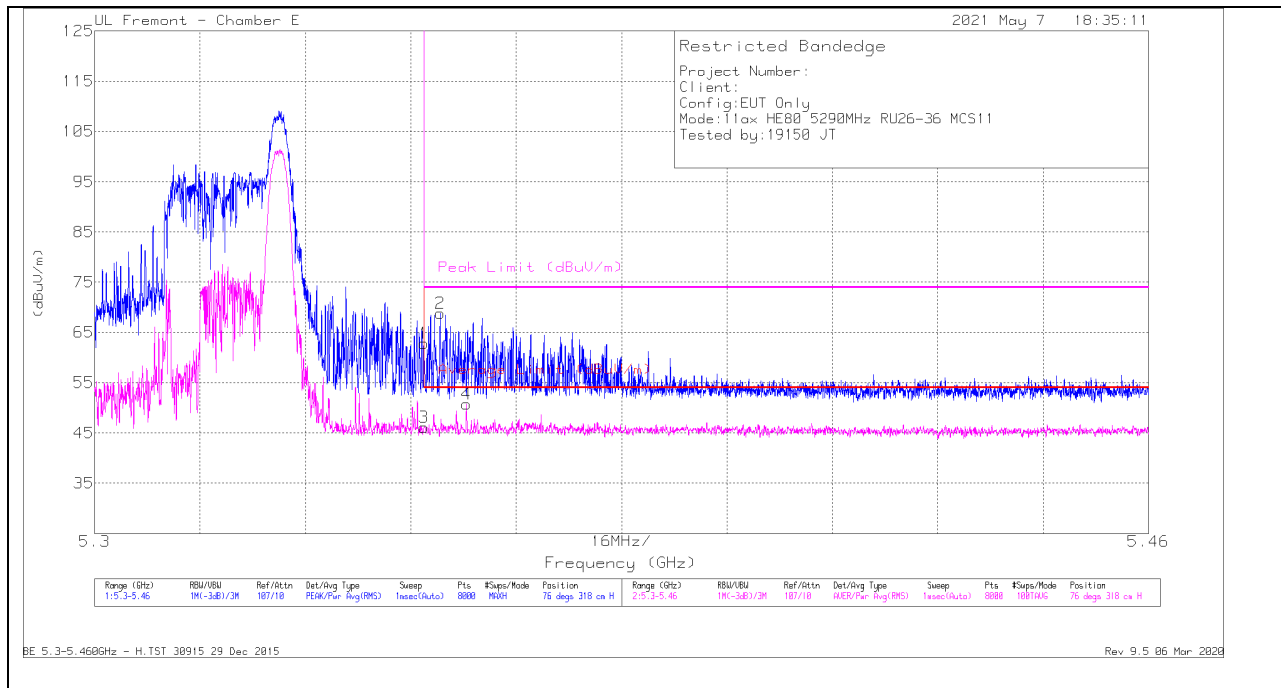
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cb/ 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	42.29	Pk	34.7	-20.7	56.29	-	-	74	-17.71	87	104	V
2	* 5.35773	46.79	Pk	34.7	-20.7	60.79	-	-	74	-13.21	87	104	V
3	* 5.35001	32.67	RMS	34.7	-20.7	46.67	54	-7.33	-	-	87	104	V
4	* 5.35343	34.56	RMS	34.7	-20.7	48.56	54	-5.44	-	-	87	104	V

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

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1TX ANT 6 – 26 Tones, RU Index 36**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cb/ 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	* 5.35001	48.89	Pk	34.7	-20.7	62.89	-	-	74	-11.11	76	318	H
2	* 5.35245	54.88	Pk	34.7	-20.7	68.88	-	-	74	-5.12	76	318	H
3	* 5.35001	32.18	RMS	34.7	-20.7	46.18	54	-7.82	-	-	76	318	H
4	* 5.35645	36.73	RMS	34.7	-20.7	50.73	54	-3.27	-	-	76	318	H

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

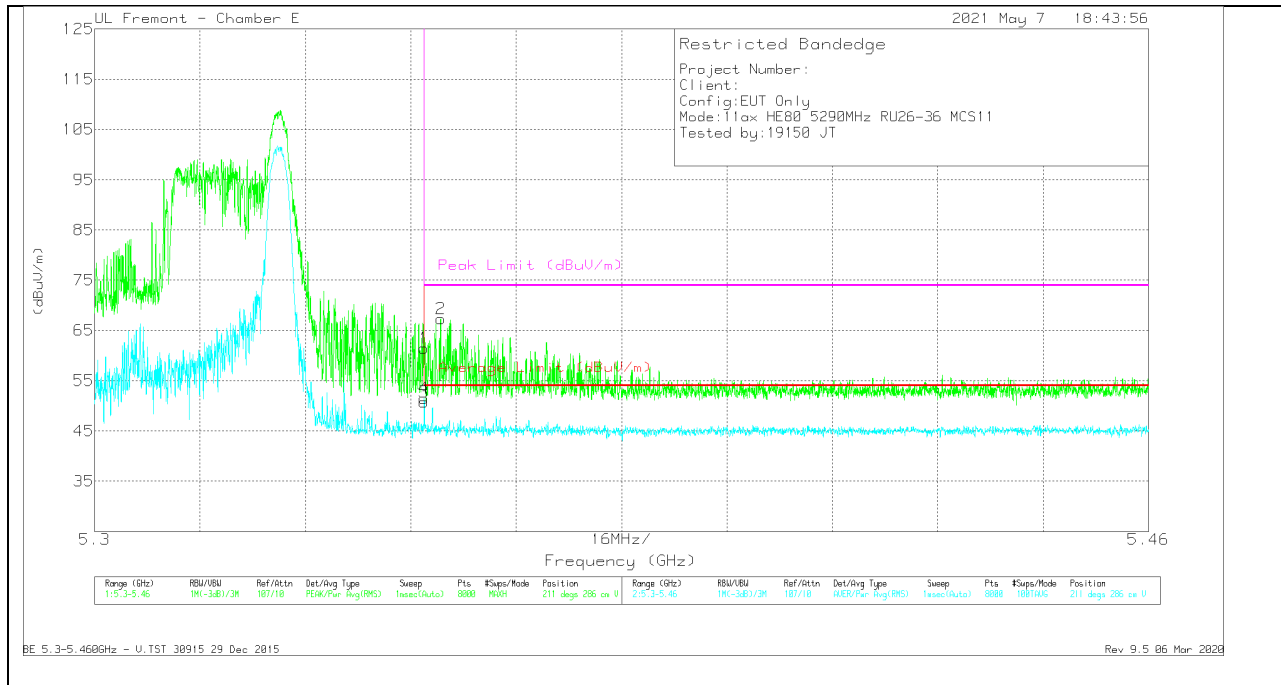
Pk - Peak detector

RMS - RMS detection

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VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0078 107 (dB/m)	Amp/Cbl/ 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	* 5.35001	47.52	Pk	34.7	-20.7	61.52	-	-	74	-12.48	211	286	V
2	* 5.35253	53.35	Pk	34.7	-20.7	67.35	-	-	74	-6.65	211	286	V
3	* 5.35001	36.8	RMS	34.7	-20.7	50.8	54	-3.2	-	-	211	286	V
4	* 5.35003	37.47	RMS	34.7	-20.7	51.47	54	-2.53	-	-	211	286	V

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

Pk - Peak detector

RMS - RMS detection

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