



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5530	82.20	-1.72	1.22	24.00	11.00
High	5610	82.20	-1.72	1.22	24.00	11.00
138	5690	82.40	-1.72	1.22	24.00	11.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power (Ch 138) & PSD
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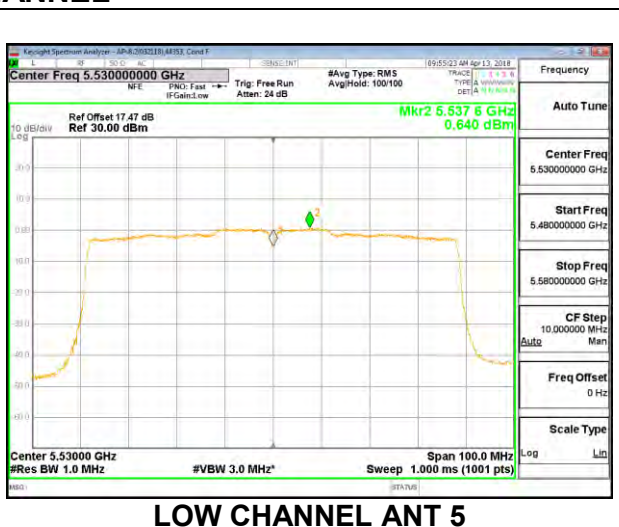
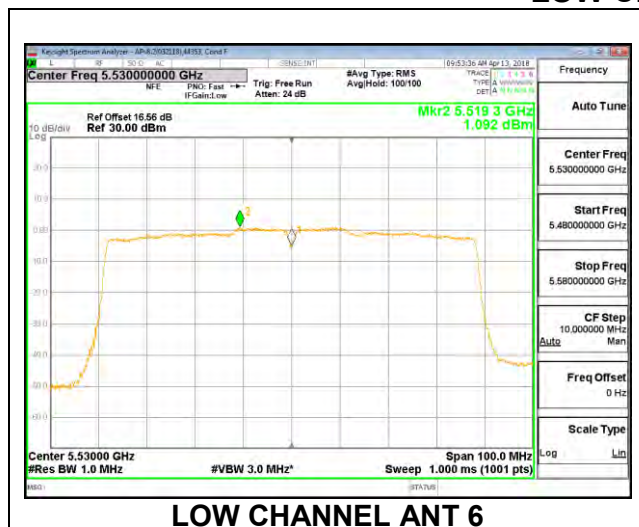
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.32	16.34	19.34	24.00	-4.66
High	5610	19.82	19.94	22.89	24.00	-1.11
138	5690	19.67	19.76	22.92	24.00	-1.08

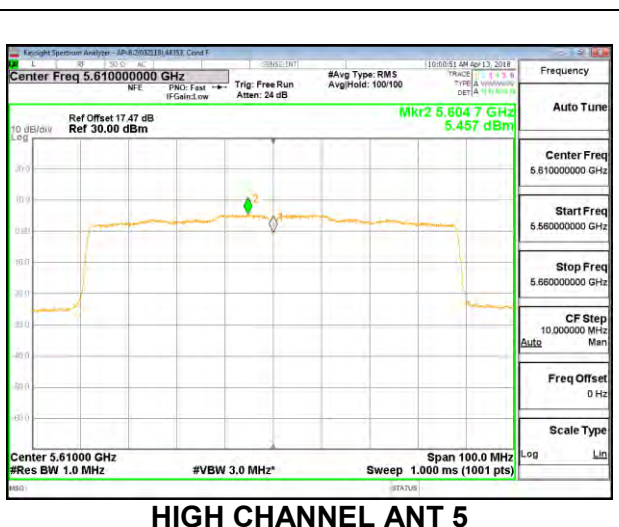
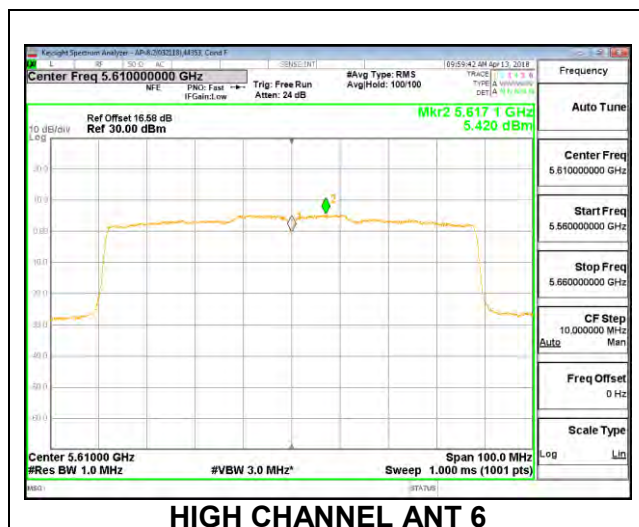
PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	1.09	0.64	4.08	11.00	-6.92
High	5610	5.42	5.46	8.65	11.00	-2.35
138	5690	3.20	3.30	6.46	11.00	-4.54

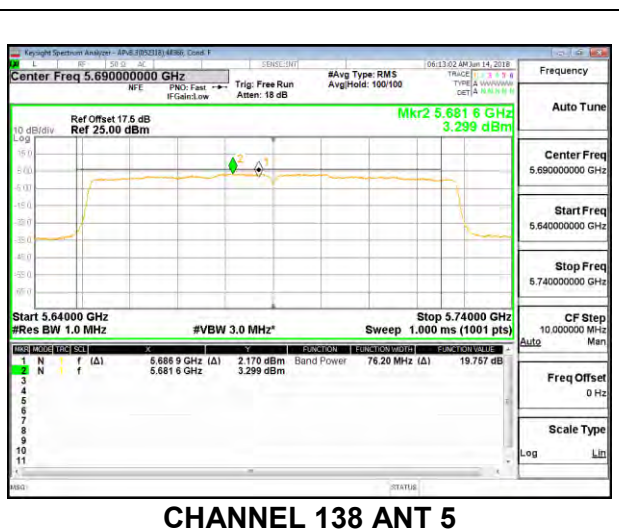
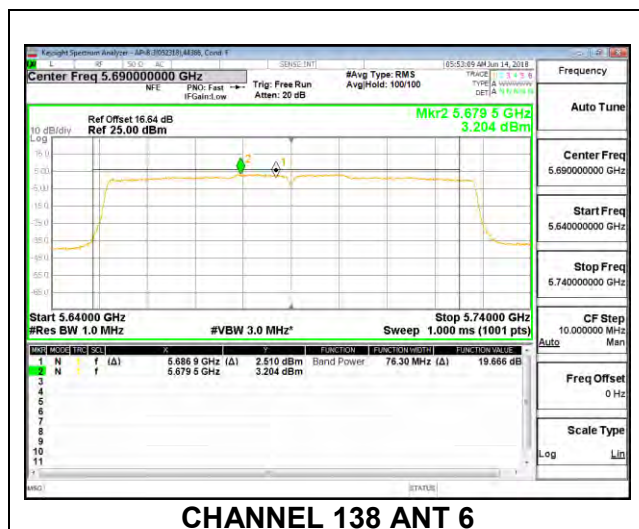
LOW CHANNEL



HIGH CHANNEL



CHANNEL 138



8.5.10. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5745	-5.30	30.00	30.00
Mid	5785	-5.30	30.00	30.00
High	5825	-5.30	30.00	30.00
144	5720	-5.30	30.00	30.00

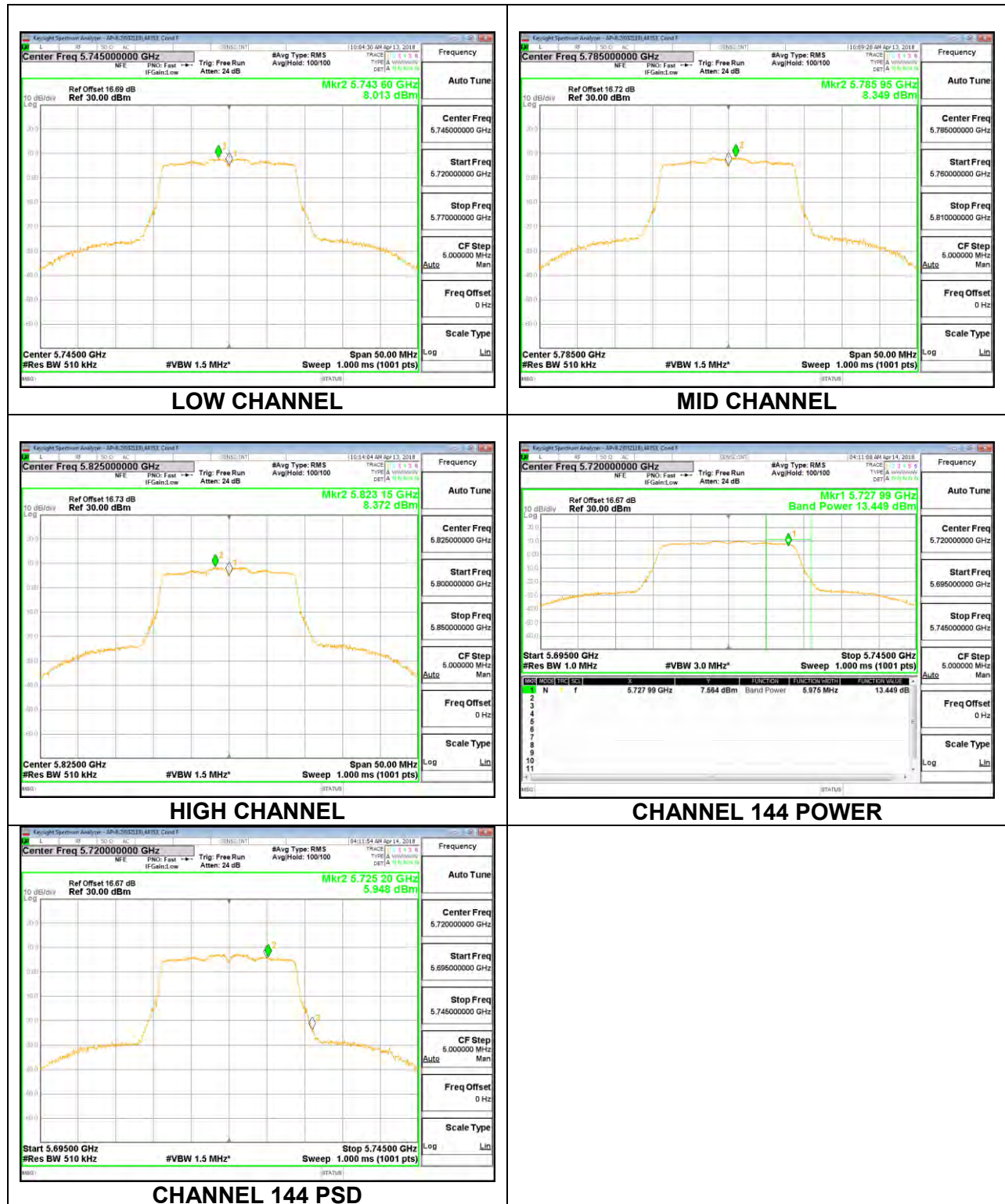
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power (Ch 144) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	22.36	22.36	30.00	-7.64
Mid	5785	22.43	22.43	30.00	-7.57
High	5825	22.41	22.41	30.00	-7.59
144	5720	13.45	13.45	30.00	-16.55

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5745	8.01	8.01	30.00	-21.99
Mid	5785	8.35	8.35	30.00	-21.65
High	5825	8.37	8.37	30.00	-21.63
144	5720	5.95	5.95	30.00	-24.05



1TX Antenna 5 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5745	-3.40	30.00	30.00
Mid	5785	-3.40	30.00	30.00
High	5825	-3.40	30.00	30.00
144	5720	-3.40	30.00	30.00

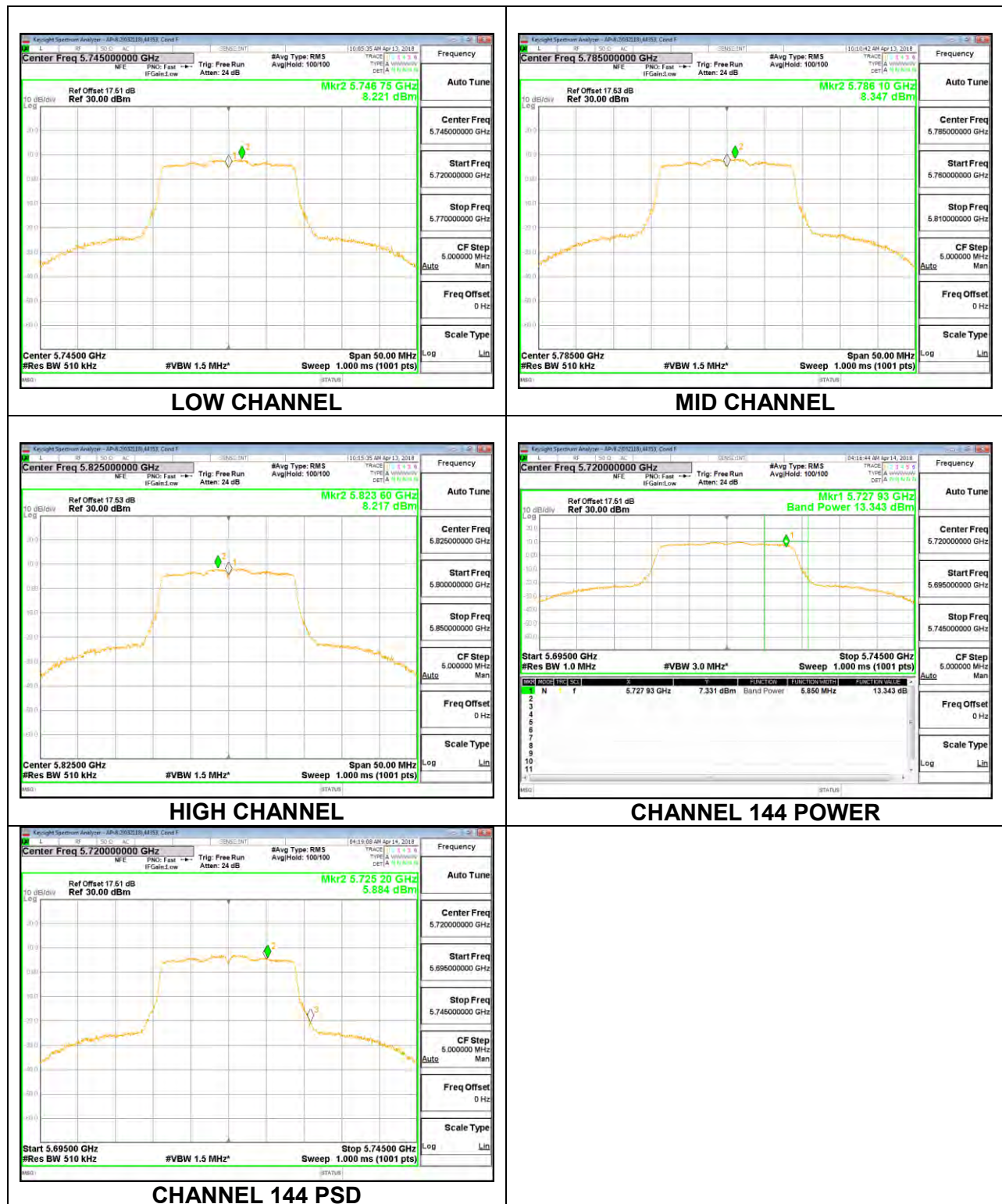
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power (Ch 144) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	22.43	22.43	30.00	-7.57
Mid	5785	22.39	22.39	30.00	-7.61
High	5825	22.41	22.41	30.00	-7.59
144	5720	13.34	13.34	30.00	-16.66

PSD Results

Channel	Frequency (MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5745	8.22	8.22	30.00	-21.78
Mid	5785	8.35	8.35	30.00	-21.65
High	5825	8.22	8.22	30.00	-21.78
144	5720	5.88	5.88	30.00	-24.12



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5745	-4.25	-1.29	30.00	30.00
Mid	5785	-4.25	-1.29	30.00	30.00
High	5825	-4.25	-1.29	30.00	30.00
144	5720	-4.25	-1.29	30.00	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power (Ch 144) & PSD
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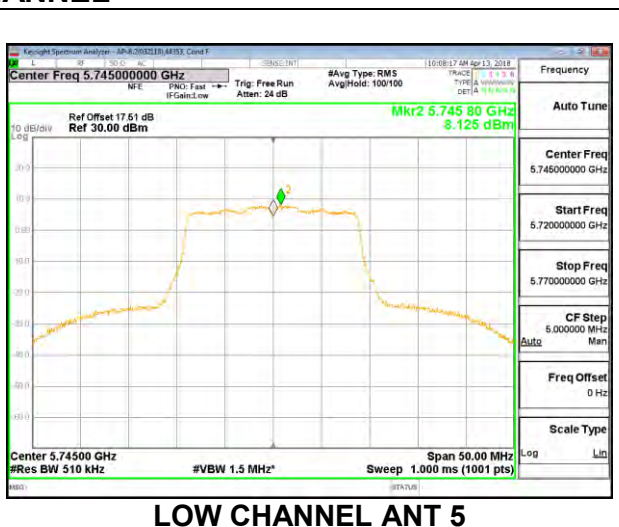
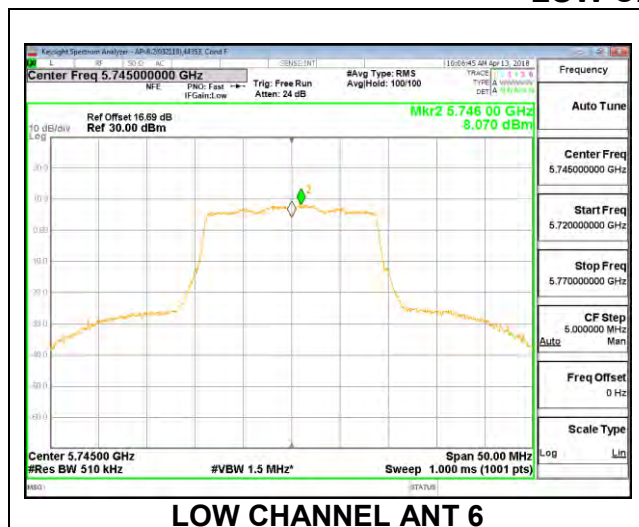
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	22.38	22.44	25.42	30.00	-4.58
Mid	5785	22.40	22.41	25.42	30.00	-4.58
High	5825	22.37	22.45	25.42	30.00	-4.58
144	5720	10.46	10.41	13.44	30.00	-16.56

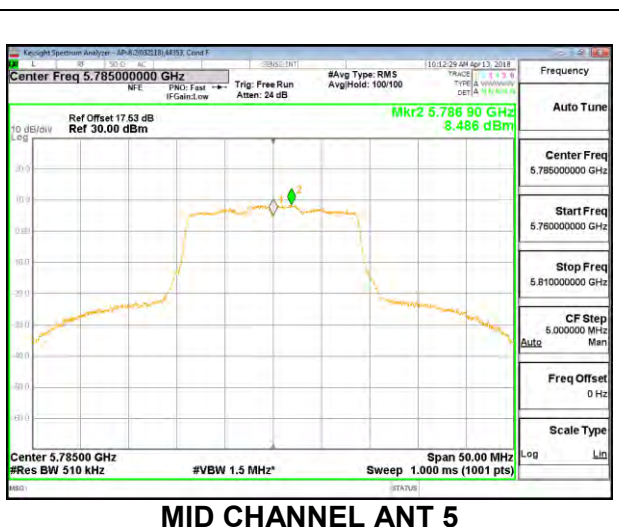
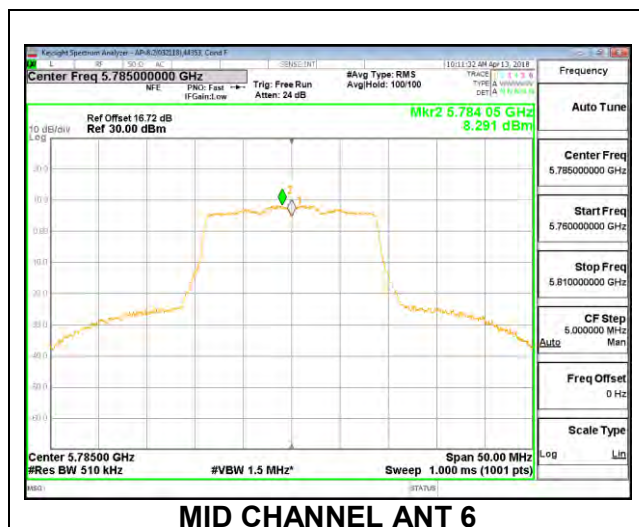
PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5745	8.07	8.13	11.11	30.00	-18.89
Mid	5785	8.29	8.49	11.40	30.00	-18.60
High	5825	8.36	8.51	11.44	30.00	-18.56
144	5720	2.89	2.65	5.78	30.00	-24.22

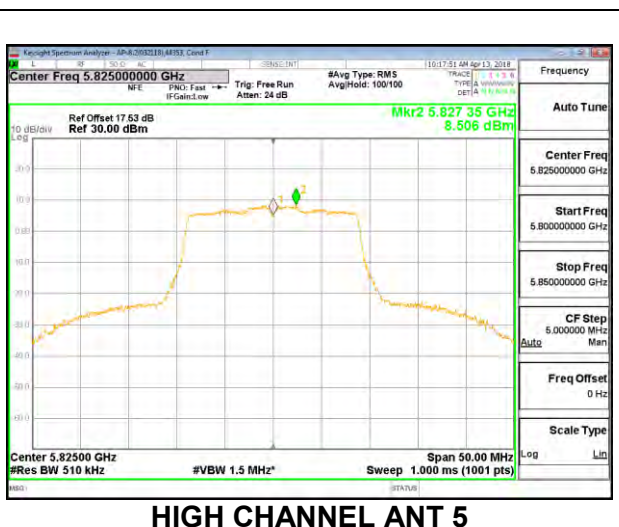
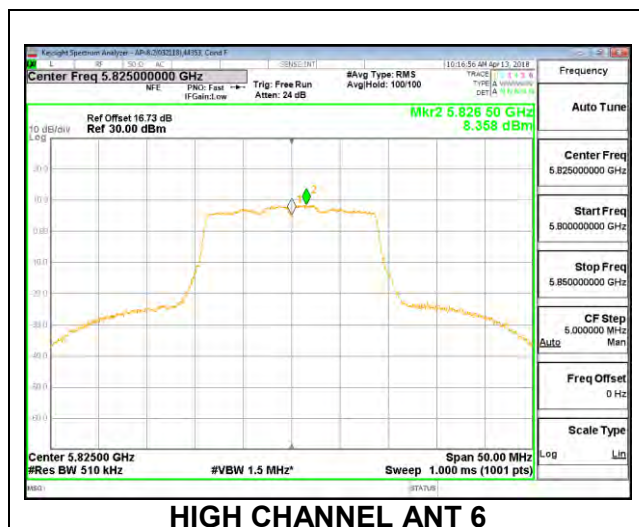
LOW CHANNEL



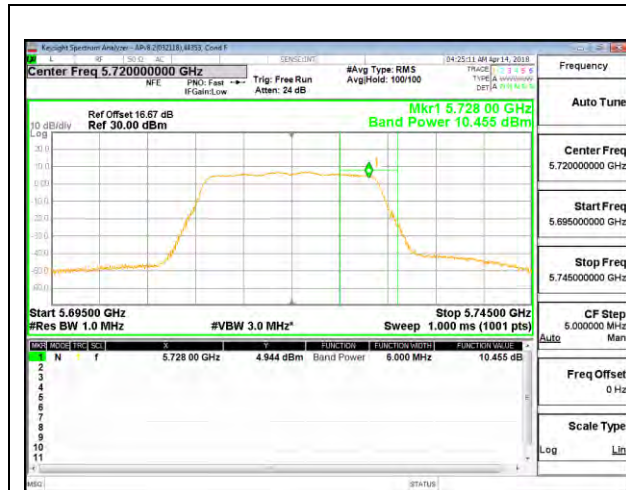
MID CHANNEL



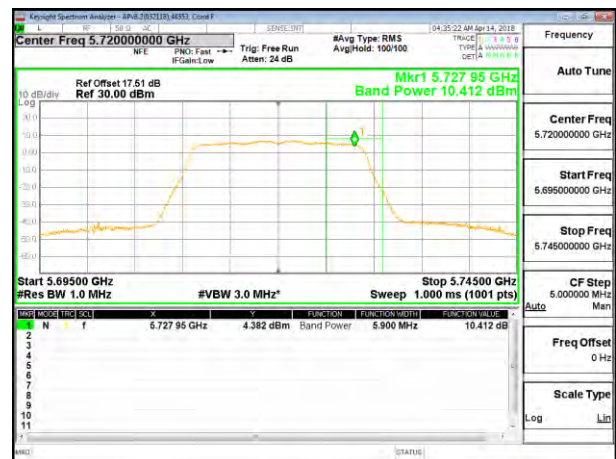
HIGH CHANNEL



CHANNEL 144



CHANNEL 144 ANT 6 POWER



CHANNEL 144 ANT 5 POWER



CHANNEL 144 ANT 6 PSD



CHANNEL 144 ANT 5 PSD

8.5.11. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5755	-5.30	30.00	30.00
High	5795	-5.30	30.00	30.00
142	5710	-5.30	30.00	30.00

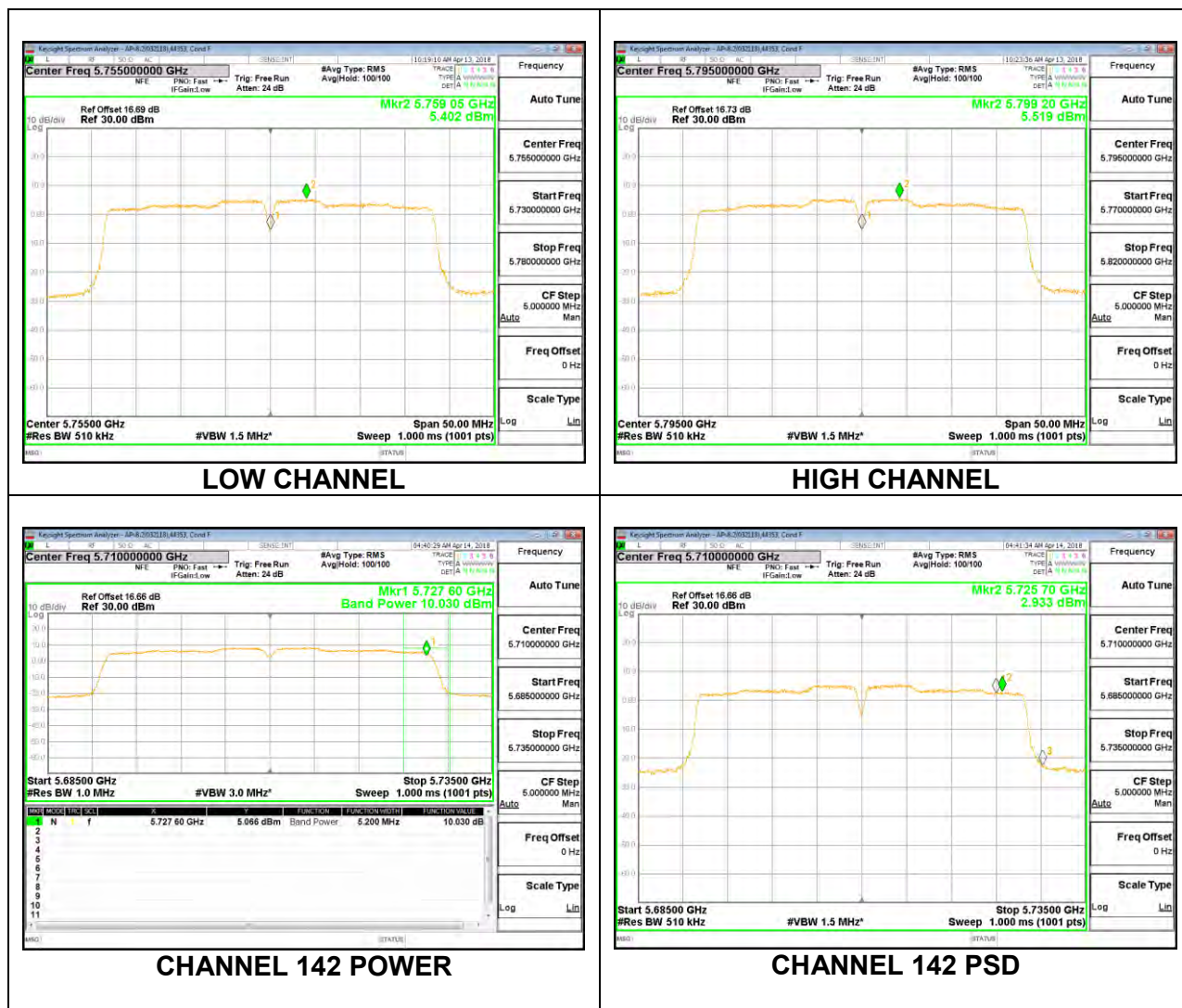
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power (Ch 142) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	21.91	21.91	30.00	-8.09
High	5795	21.93	21.93	30.00	-8.07
142	5710	10.03	10.12	30.00	-19.88

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	5.40	5.49	30.00	-24.51
High	5795	5.52	5.61	30.00	-24.39
142	5710	2.93	3.02	30.00	-26.98



1TX Antenna 5 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5755	-3.40	30.00	30.00
High	5795	-3.40	30.00	30.00
142	5710	-3.40	30.00	30.00

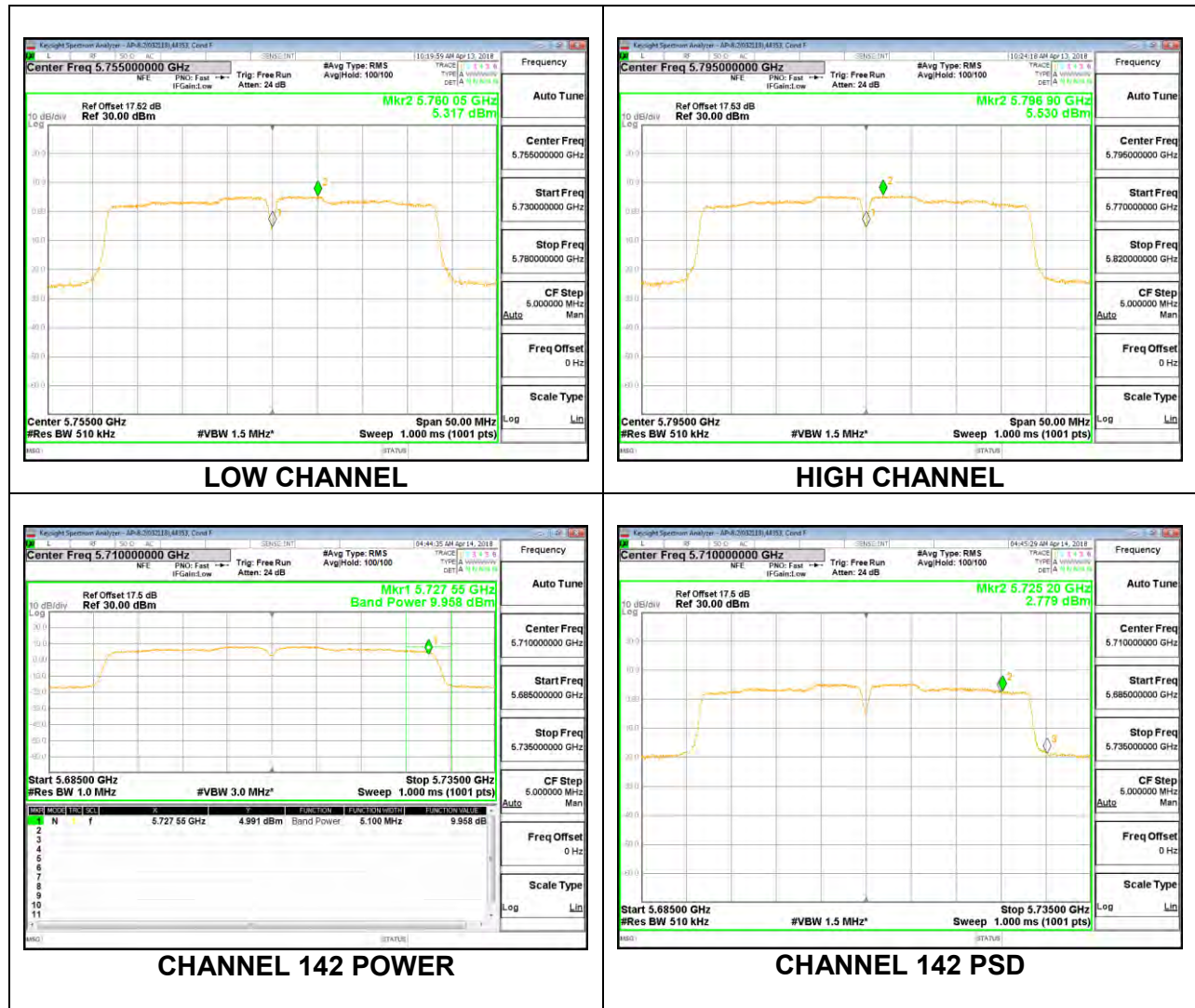
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power (Ch 142) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	21.94	21.94	30.00	-8.06
High	5795	21.96	21.96	30.00	-8.04
142	5710	9.96	10.05	30.00	-19.95

PSD Results

Channel	Frequency (MHz)	Ant 5 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	5.32	5.41	30.00	-24.59
High	5795	5.53	5.62	30.00	-24.38
142	5710	2.78	2.87	30.00	-27.13



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5755	-4.25	-1.29	30.00	30.00
High	5795	-4.25	-1.29	30.00	30.00
142	5710	-4.25	-1.29	30.00	30.00

Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power (Ch 142) & PSD
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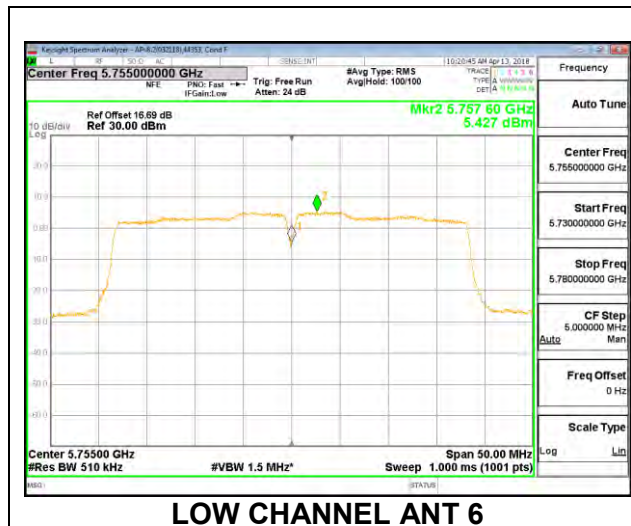
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	21.85	21.93	24.90	30.00	-5.10
High	5795	21.91	21.99	24.96	30.00	-5.04
142	5710	8.00	7.91	11.06	30.00	-18.94

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5755	5.43	5.40	8.51	30.00	-21.49
High	5795	5.50	5.67	8.68	30.00	-21.32
142	5710	0.83	0.64	3.83	30.00	-26.17

LOW CHANNEL

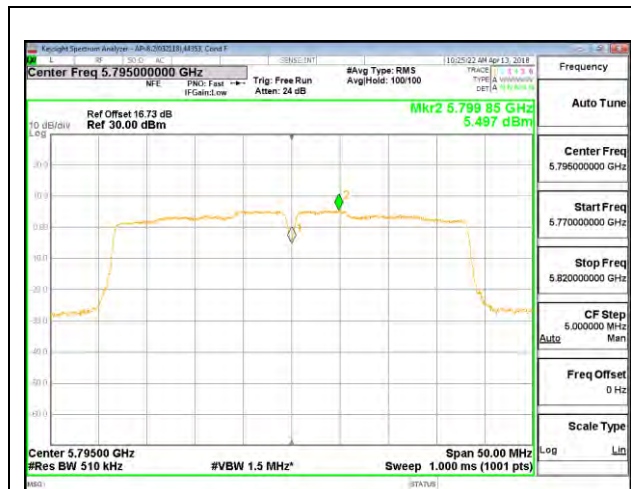


LOW CHANNEL ANT 6



LOW CHANNEL ANT 5

HIGH CHANNEL

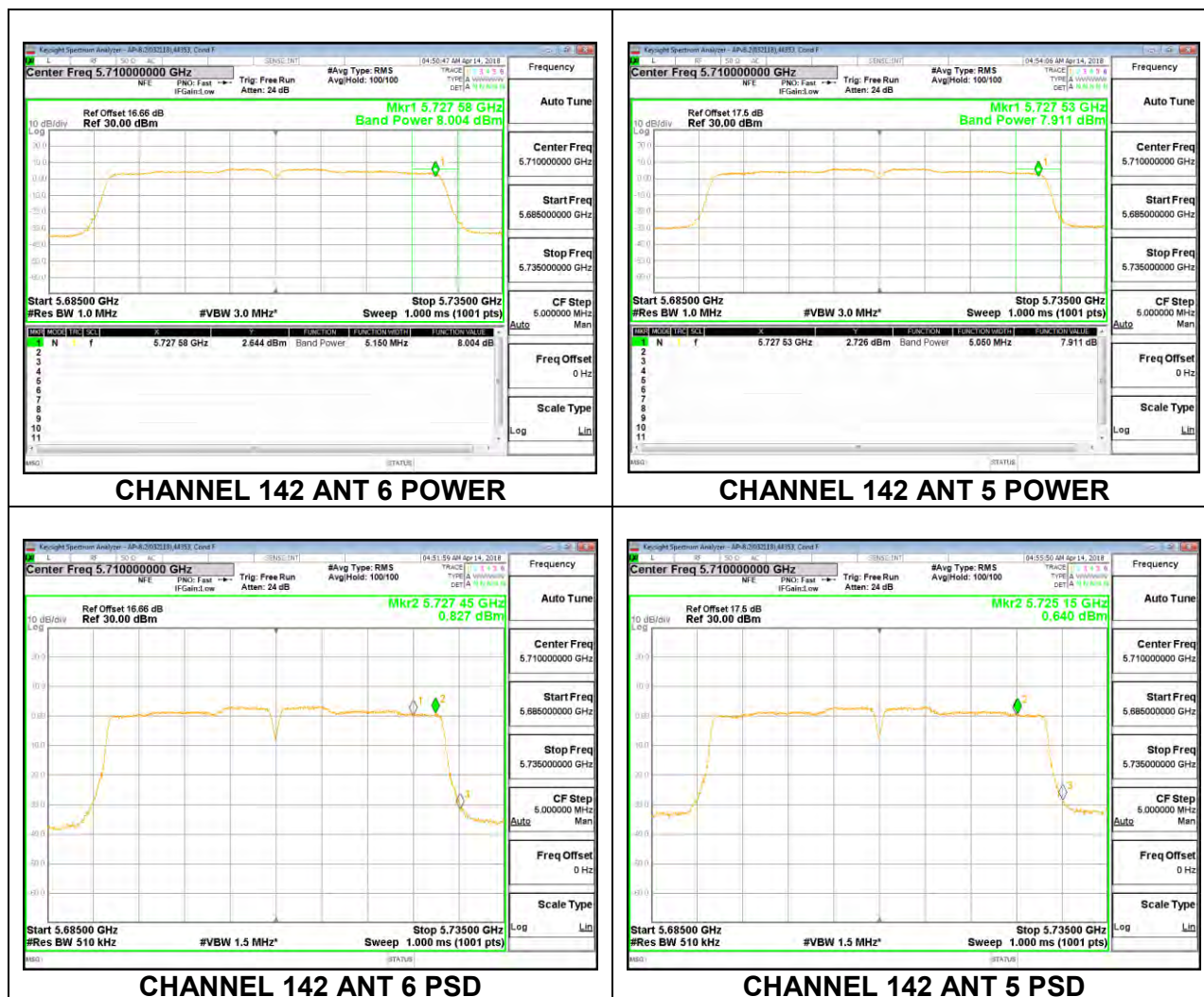


HIGH CHANNEL ANT 6



HIGH CHANNEL ANT 5

CHANNEL 142



8.5.12. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5775	-5.30	30.00	30.00
138	5690	-5.30	30.00	30.00

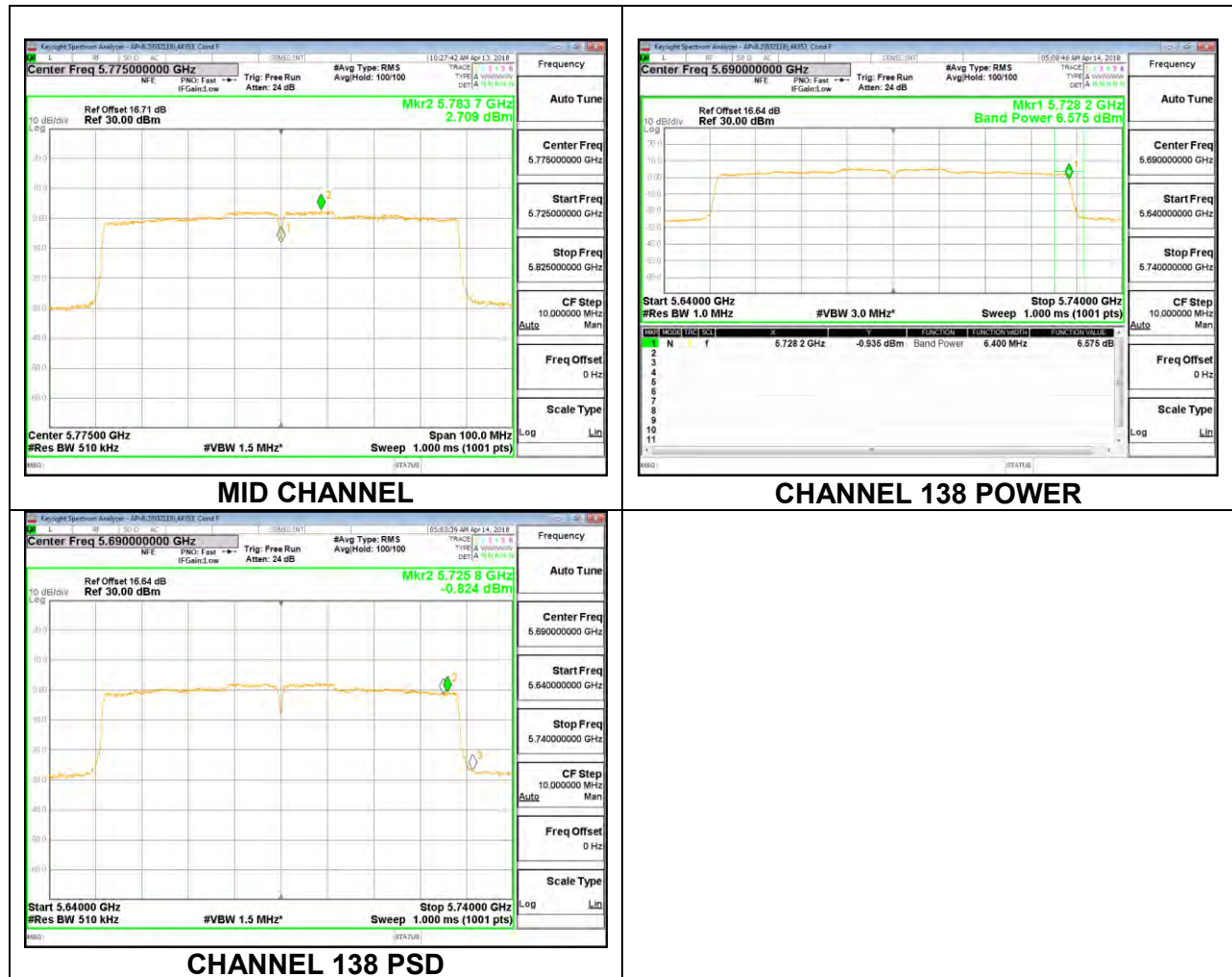
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power (Ch 138) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	21.890	21.890	30.00	-8.11
138	5690	6.575	6.775	30.00	-23.23

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5775	2.709	2.909	30.00	-27.09
138	5690	-0.824	-0.624	30.00	-30.62



1TX Antenna 5 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5775	-3.40	30.00	30.00
138	5690	-3.40	30.00	30.00

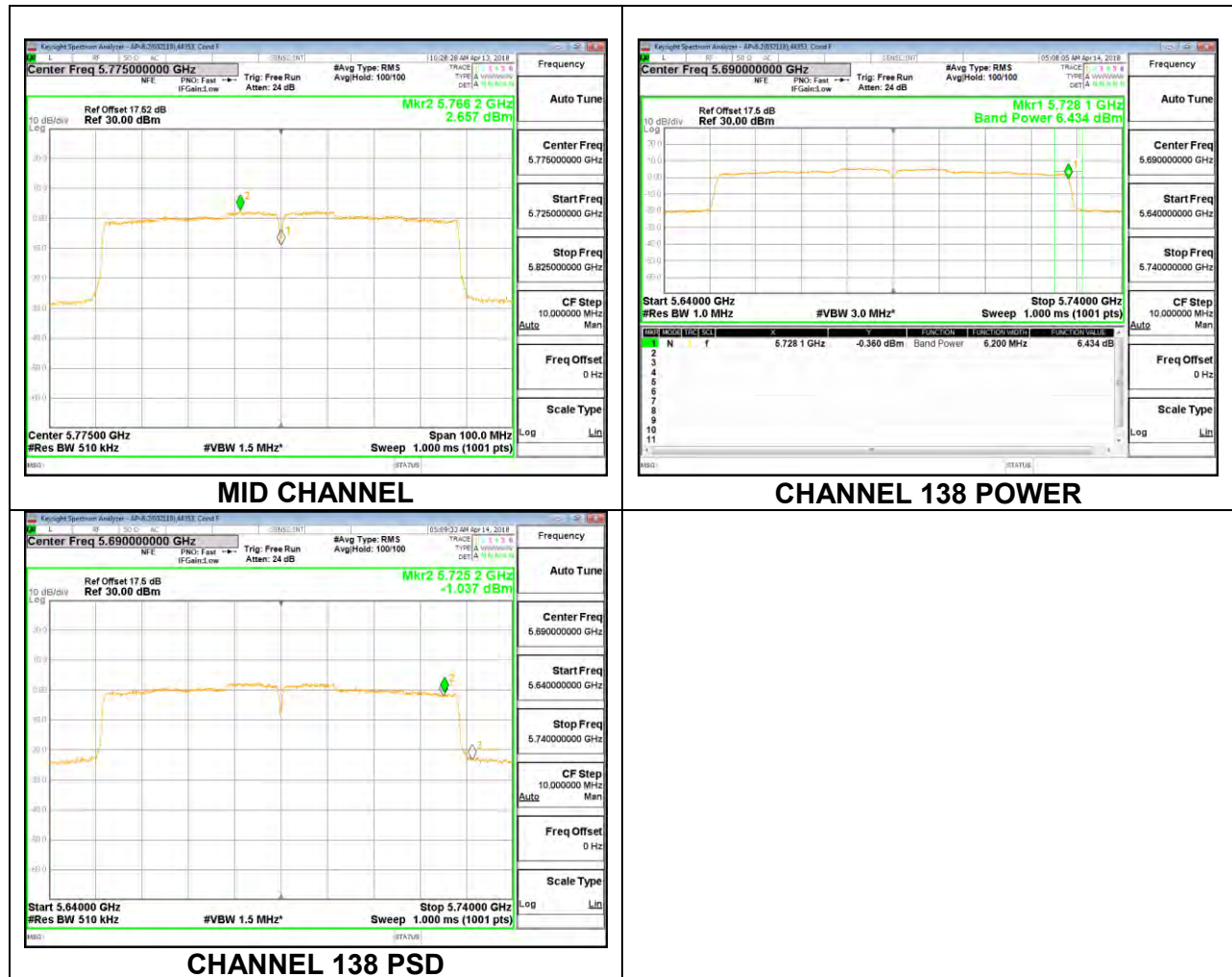
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power (Ch 138) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	21.950	21.950	30.00	-8.05
138	5690	6.434	6.634	30.00	-23.37

PSD Results

Channel	Frequency (MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5775	2.657	2.857	30.00	-27.14
138	5690	-1.037	-0.837	30.00	-30.84



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5755	-4.25	-1.29	30.00	30.00
138	5690	-4.25	-1.29	30.00	30.00

Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power (Ch 138) & PSD
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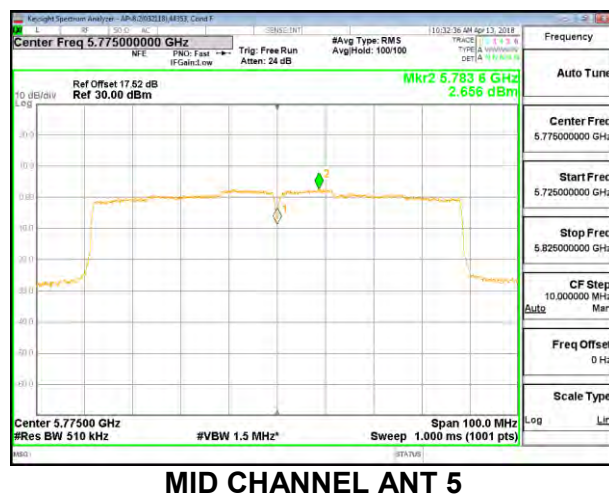
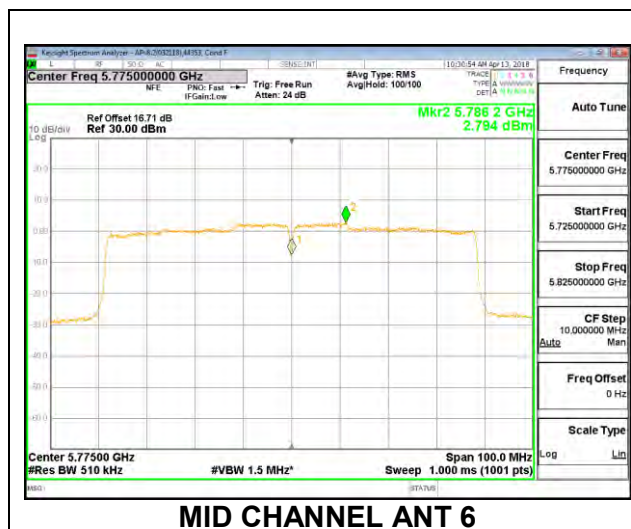
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	21.86	21.93	24.91	30.00	-5.09
138	5690	4.59	4.54	7.78	30.00	-22.22

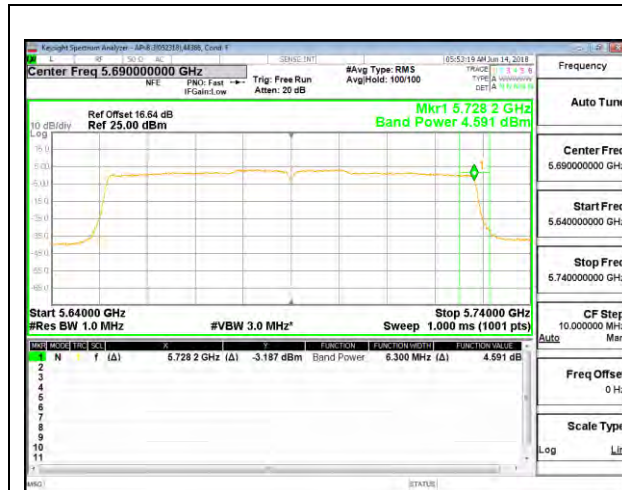
PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5775	2.79	2.66	5.94	30.00	-24.06
138	5690	-2.58	-2.94	0.46	30.00	-29.54

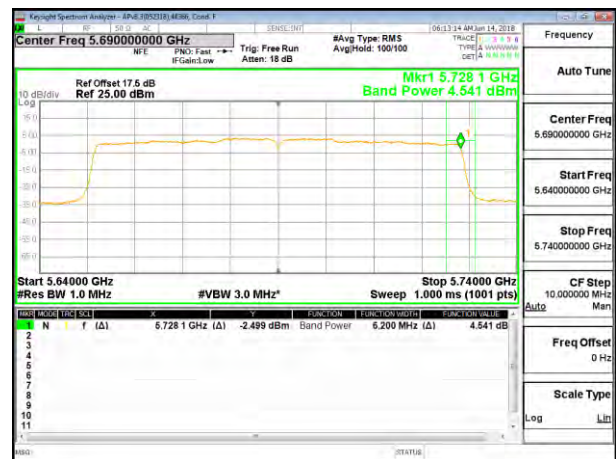
MID CHANNEL



CHANNEL 138



CHANNEL 138 ANT 6 POWER



CHANNEL 138 ANT 5 POWER



CHANNEL 138 ANT 6 PSD



CHANNEL 138 ANT 5 PSD

9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

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

TEST PROCEDURE

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

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

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

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

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

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

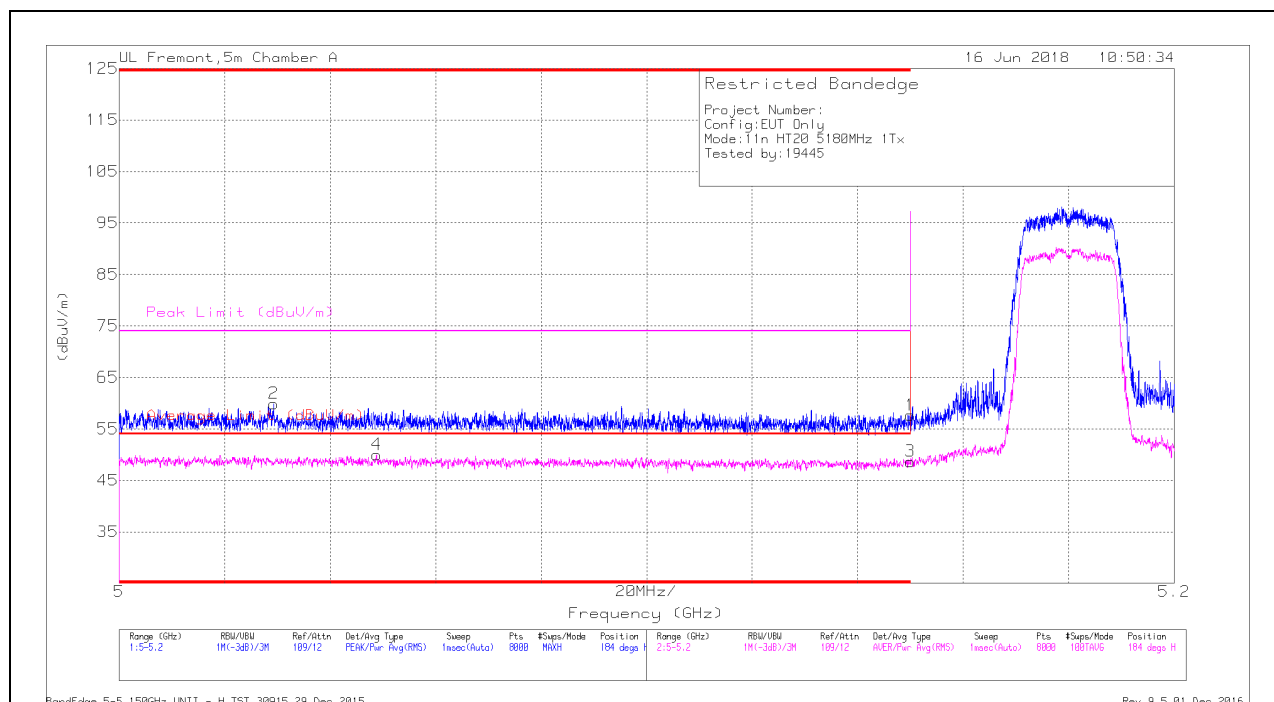
9.1. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 6 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



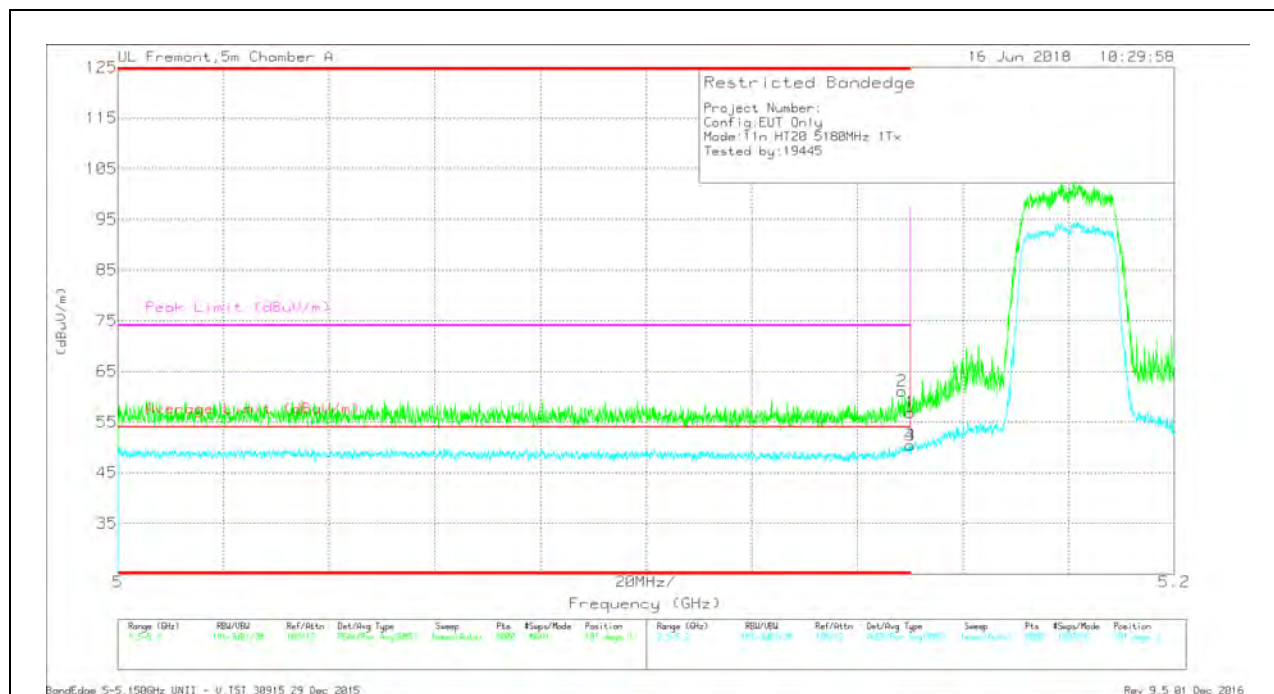
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.95	Pk	34.4	-17.7	57.65	-	-	74	-16.35	184	119	H
2	* 5.029	43.01	Pk	34.3	-17.4	59.91	-	-	74	-14.09	184	119	H
3	* 5.15	31.98	RMS	34.4	-17.7	48.68	54	-5.32	-	-	184	119	H
4	* 5.049	33	RMS	34.4	-17.4	50	54	-4	-	-	184	119	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 T862 (dB/m)	Amp/Cbl/Filtr/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	* 5.15	40.19	Pk	34.4	-17.7	56.89	-	-	74	-17.11	181	104	V
2	* 5.148	44.42	Pk	34.4	-17.7	61.12	-	-	74	-12.88	181	104	V
3	* 5.15	33.77	RMS	34.4	-17.7	50.47	54	-3.53	-	-	181	104	V
4	* 5.15	33.7	RMS	34.4	-17.7	50.4	54	-3.6	-	-	181	104	V

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

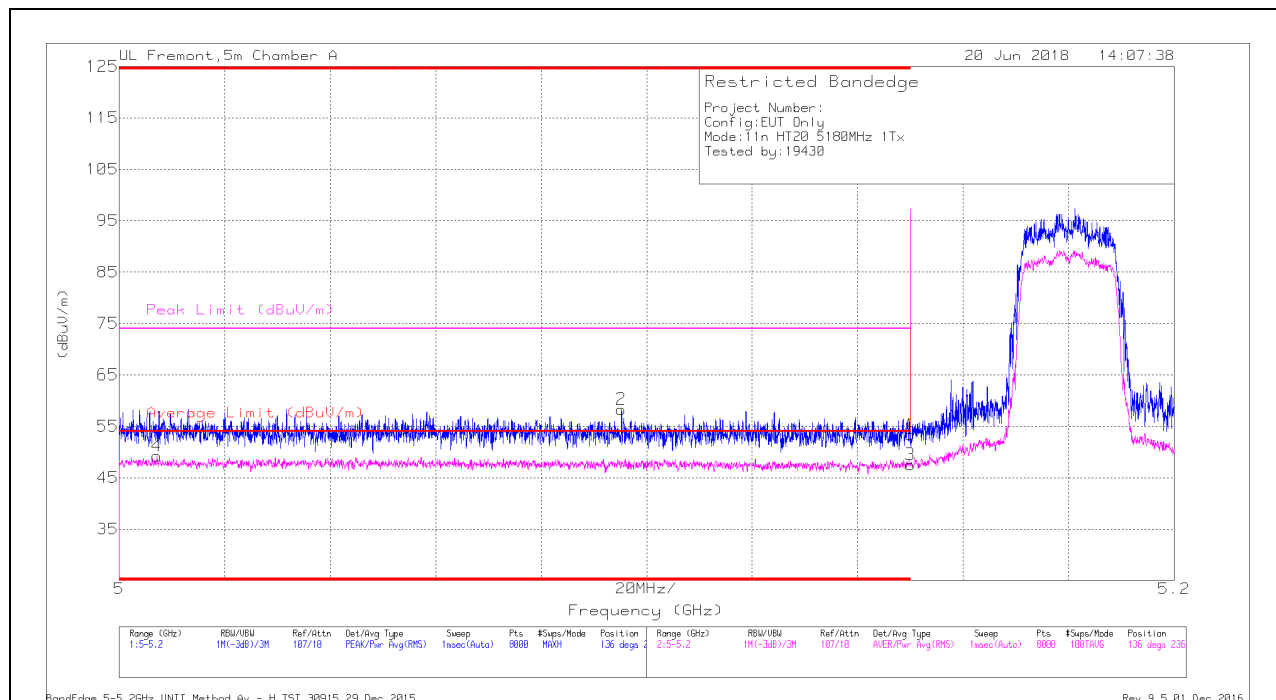
Pk - Peak detector

RMS - RMS detection

1TX Antenna 5 MODE

BANEDGE (LOW CHANNEL)

HORIZONTAL RESULT



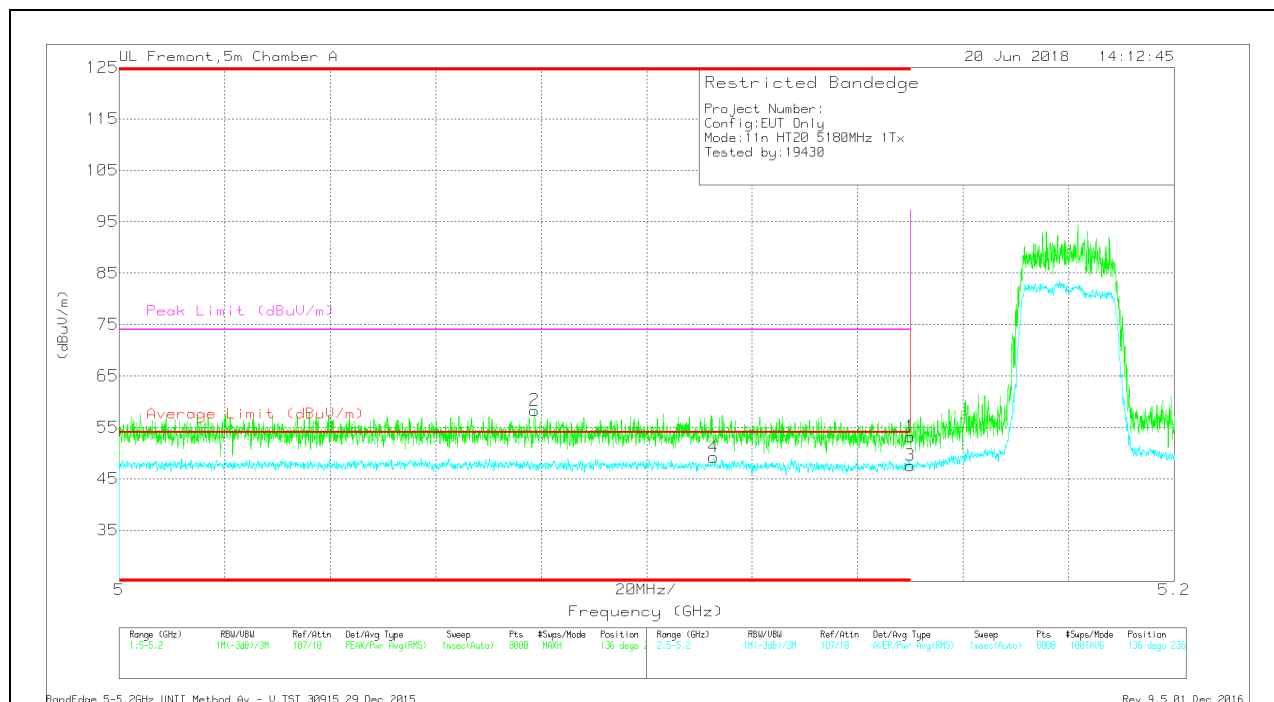
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.67	Pk	34.4	-17.7	53.37	-	-	74	-20.63	136	236	H
2	* 5.095	41.5	Pk	34.4	-17.6	58.3	-	-	74	-15.7	136	236	H
3	* 5.15	30.83	RMS	34.4	-17.7	47.53	54	-6.47	-	-	136	236	H
4	* 5.007	32.82	RMS	34.3	-17.9	49.22	54	-4.78	-	-	136	236	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

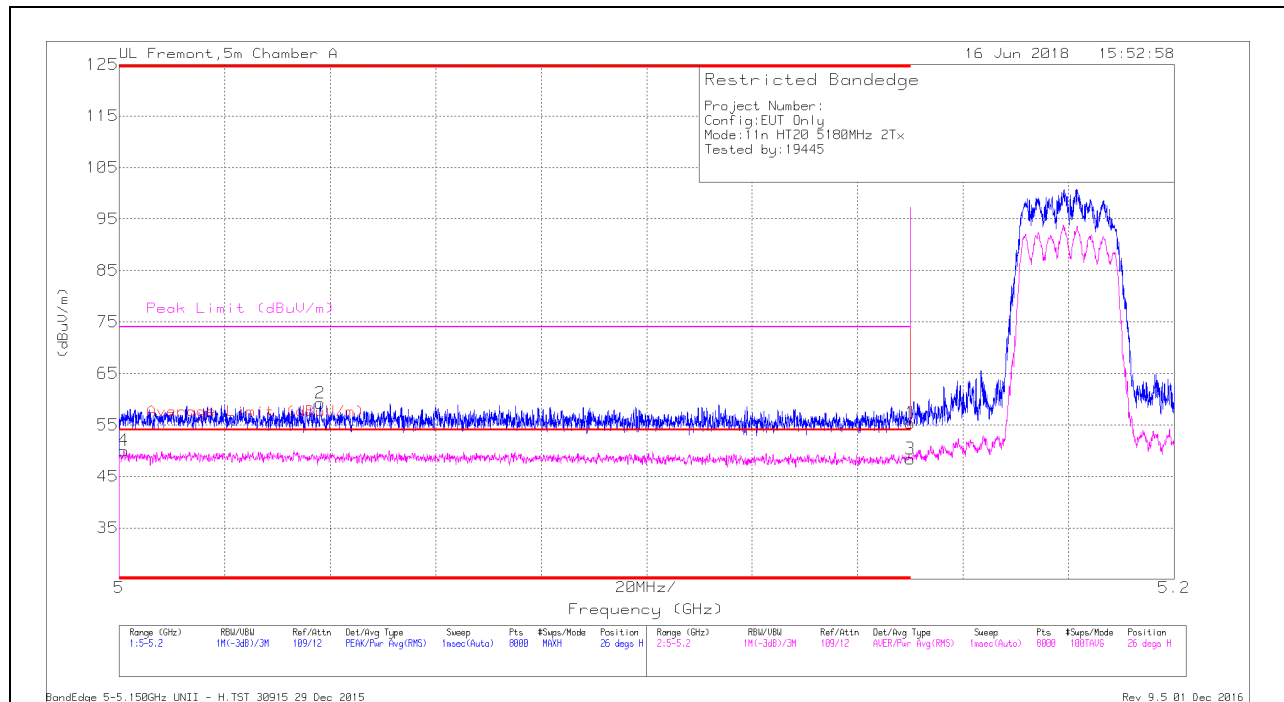


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.49	Pk	34.4	-17.7	53.19	-	-	74	-20.81	136	236	V
2	* 5.079	41.6	Pk	34.4	-17.7	58.3	-	-	74	-15.7	136	236	V
3	* 5.15	30.88	RMS	34.4	-17.7	47.58	54	-6.42	-	-	136	236	V
4	* 5.113	32.38	RMS	34.4	-17.6	49.18	54	-4.82	-	-	136	236	V

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

Pk - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

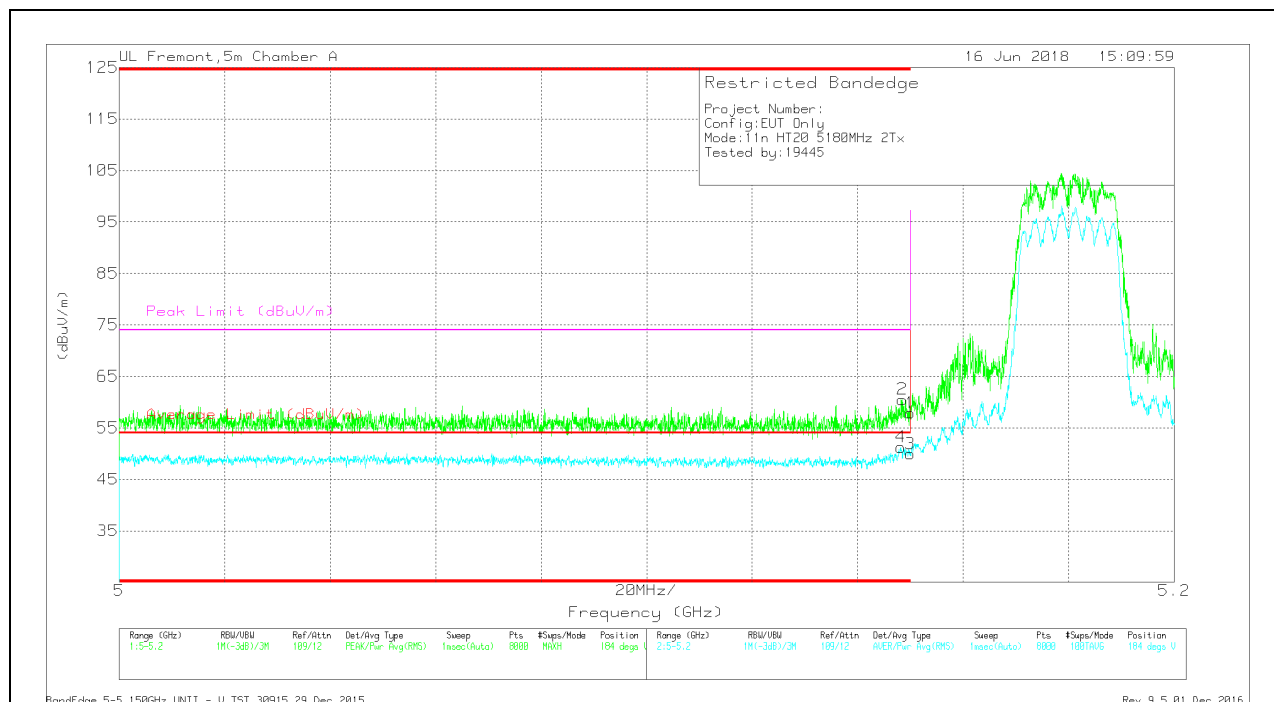
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.7	Pk	34.4	-17.7	55.4	-	-	74	-18.6	26	130	H
2	* 5.038	42.41	Pk	34.3	-17.5	59.21	-	-	74	-14.79	26	130	H
3	* 5.15	31.69	RMS	34.4	-17.7	48.39	54	-5.61	-	-	26	130	H
4	* 5.001	33.01	RMS	34.3	-17.3	50.01	54	-3.99	-	-	26	130	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Mark or	Frequenc y (GHz)	Meter Readi ng (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polari ty
1	* 5.15	41.2	PK	34.4	-17.7	0	57.9	-	-	74	-16.1	184	115	V
2	* 5.148	43.83	PK	34.4	-17.7	0	60.53	-	-	74	-13.47	184	115	V
3	* 5.15	33.27	RMS	34.4	-17.7	0	49.97	54	-4.03	-	-	184	115	V
4	* 5.148	34.55	RMS	34.4	-17.7	0	51.25	54	-2.75	-	-	184	115	V

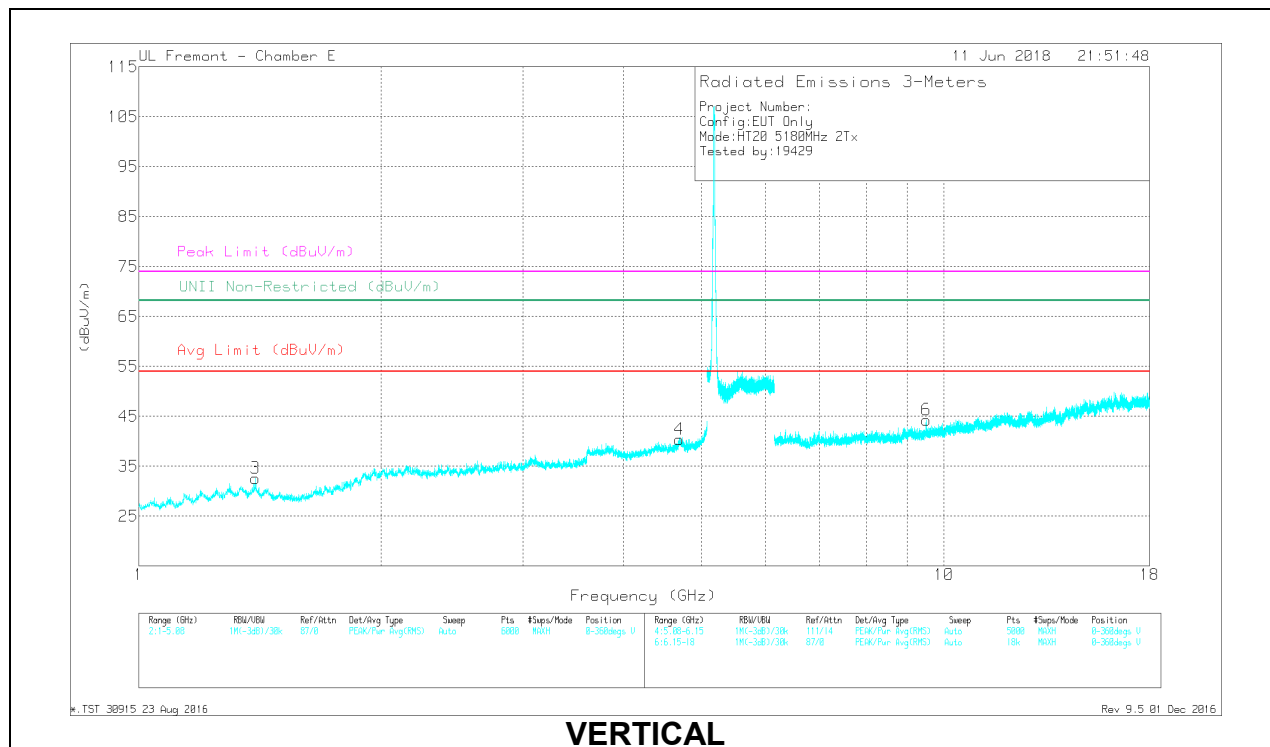
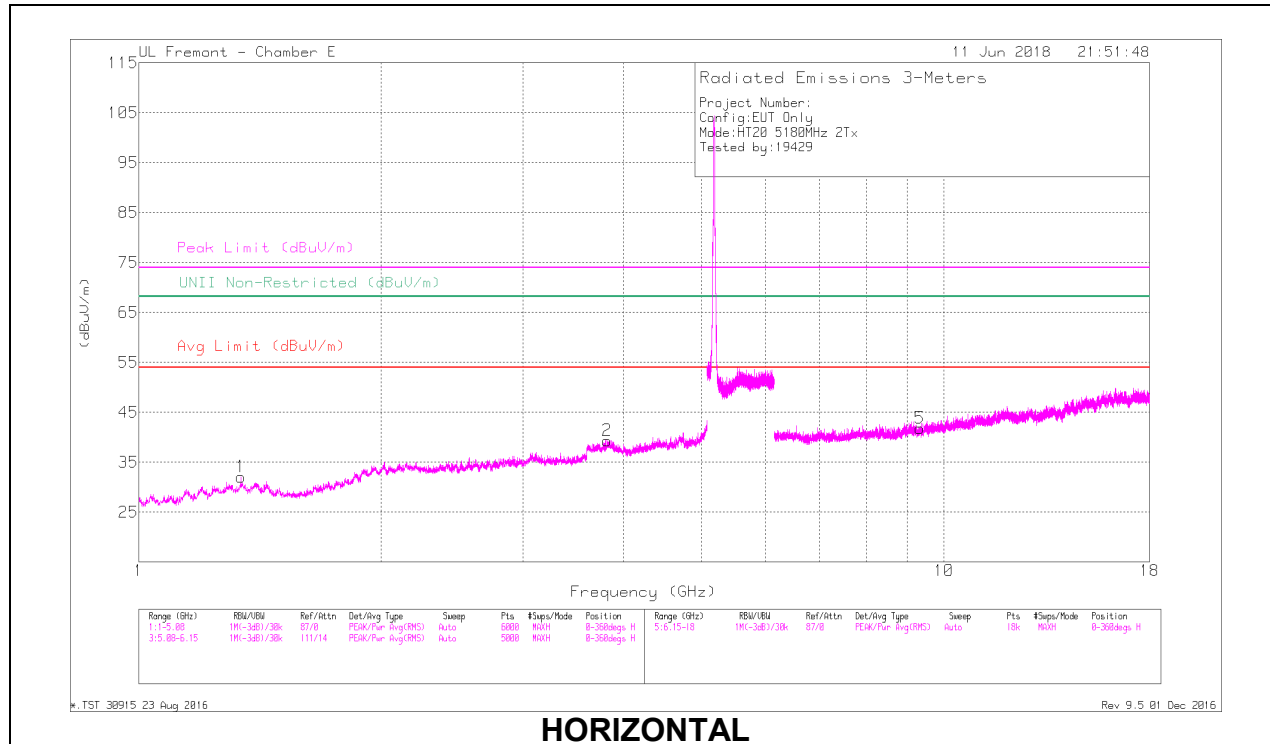
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

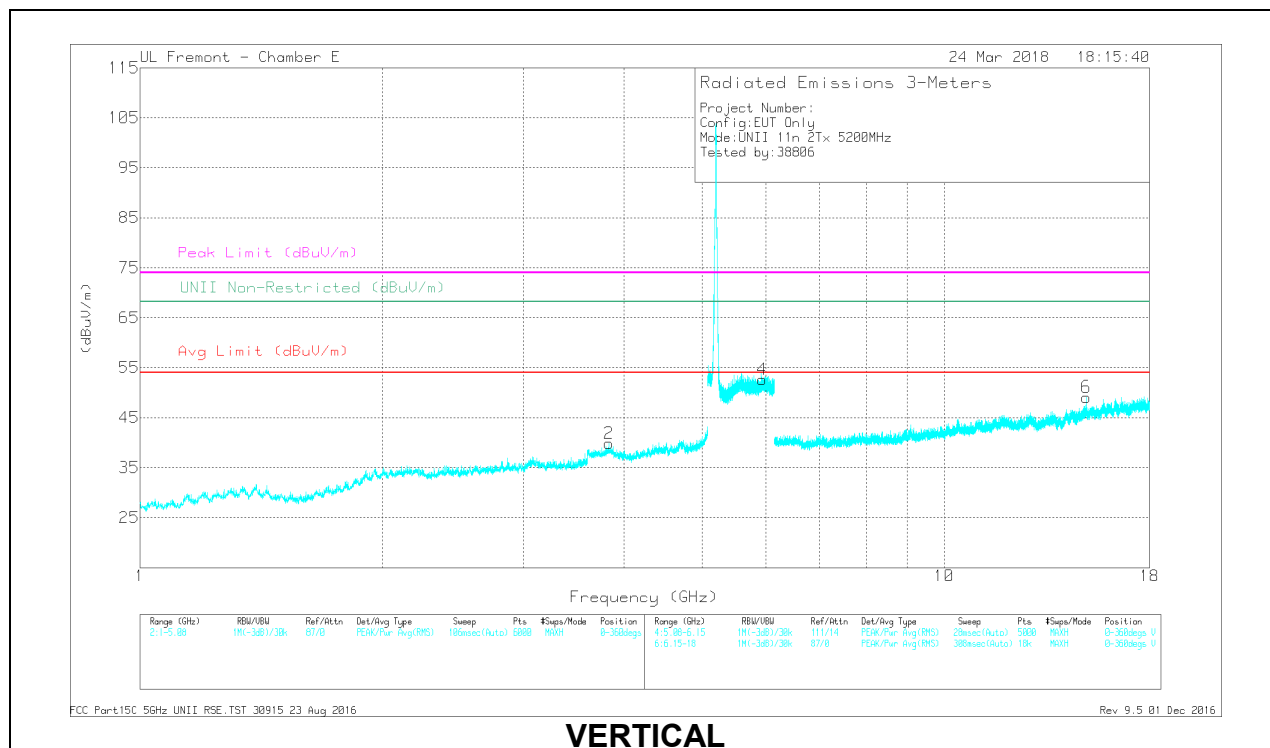
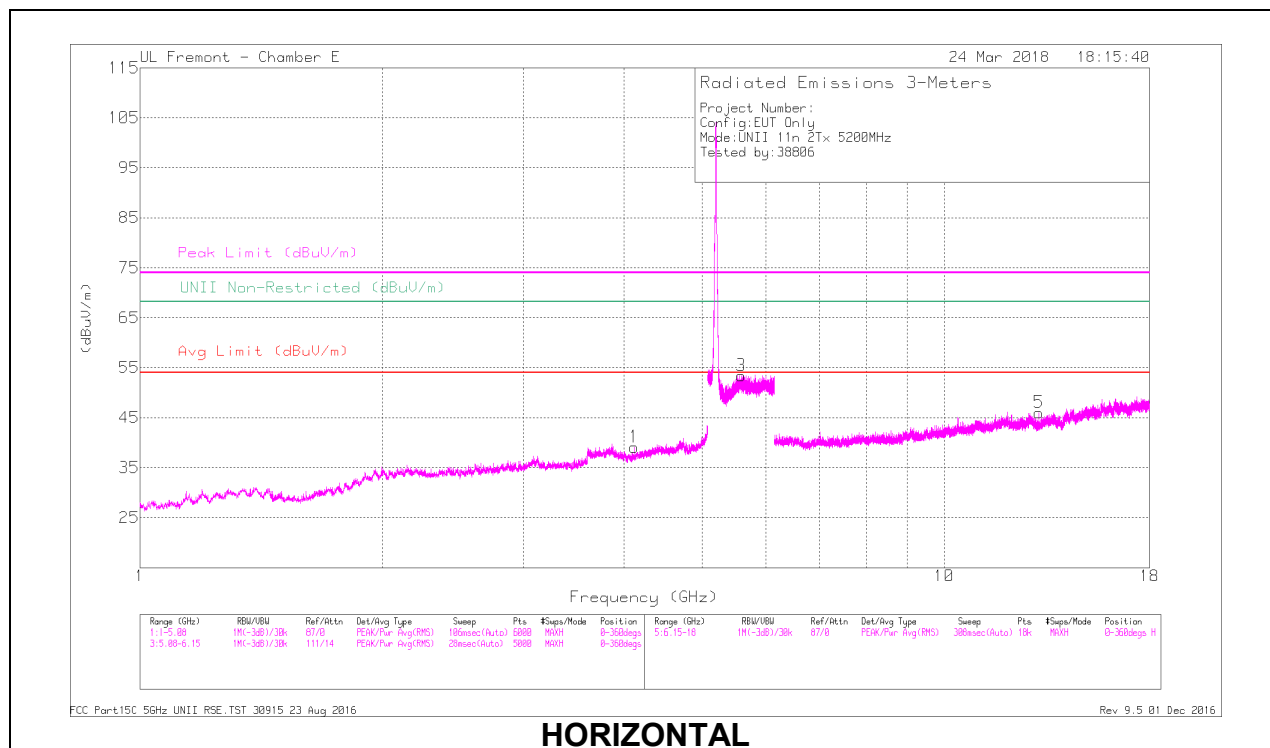
Marker	Frequ ency (GHz)	Meter Readi ng (dBuV)	Det	AF T712 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correc ted Readi ng (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restri cted (dBuV/ m)	PK Margin (dB)	Azimu th (Degs)	Height (cm)	Polarit y
1	* 1.344	44.68	PK-U	28.9	-34.7	38.88	-	-	74	-35.12	-	-	61	280	H
1	* 1.344	32.59	ADR	28.9	-34.7	26.79	54	-27.21	-	-	-	-	61	280	H
2	* 3.819	41.76	PK-U	33.7	-29.1	46.36	-	-	74	-27.64	-	-	312	284	H
2	* 3.818	29.82	ADR	33.7	-29.1	34.42	54	-19.58	-	-	-	-	312	284	H
3	* 1.398	44.61	PK-U	28.8	-34.3	39.11	-	-	74	-34.89	-	-	312	284	V
3	* 1.395	32.66	ADR	28.8	-34.4	27.06	54	-26.94	-	-	-	-	312	284	V
4	* 4.688	42.66	PK-U	34.4	-29	48.06	-	-	74	-25.94	-	-	312	284	V
4	* 4.687	30.3	ADR	34.4	-29	35.7	54	-18.3	-	-	-	-	312	284	V
5	* 9.335	37.63	PK-U	37.2	-25.3	49.53	-	-	74	-24.47	-	-	201	108	H
5	* 9.337	25.19	ADR	37.2	-25.3	37.09	54	-16.91	-	-	-	-	201	108	H
6	9.51	24.39	ADR	37.2	-23.9	37.69	-	-	-	-	-	-	214	107	V
6	9.513	36.86	PK-U	37.2	-23.9	50.16	-	-	-	-	68.2	-18.04	214	107	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



RADIATED EMISSIONS

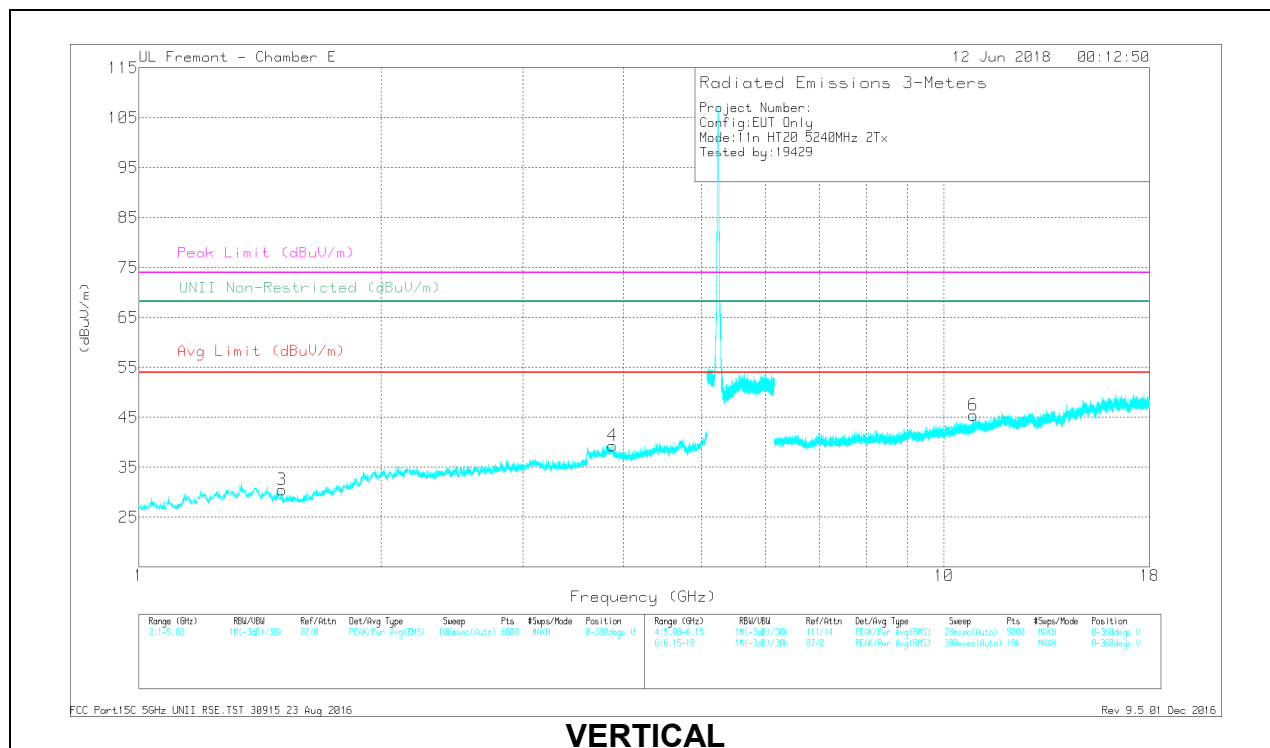
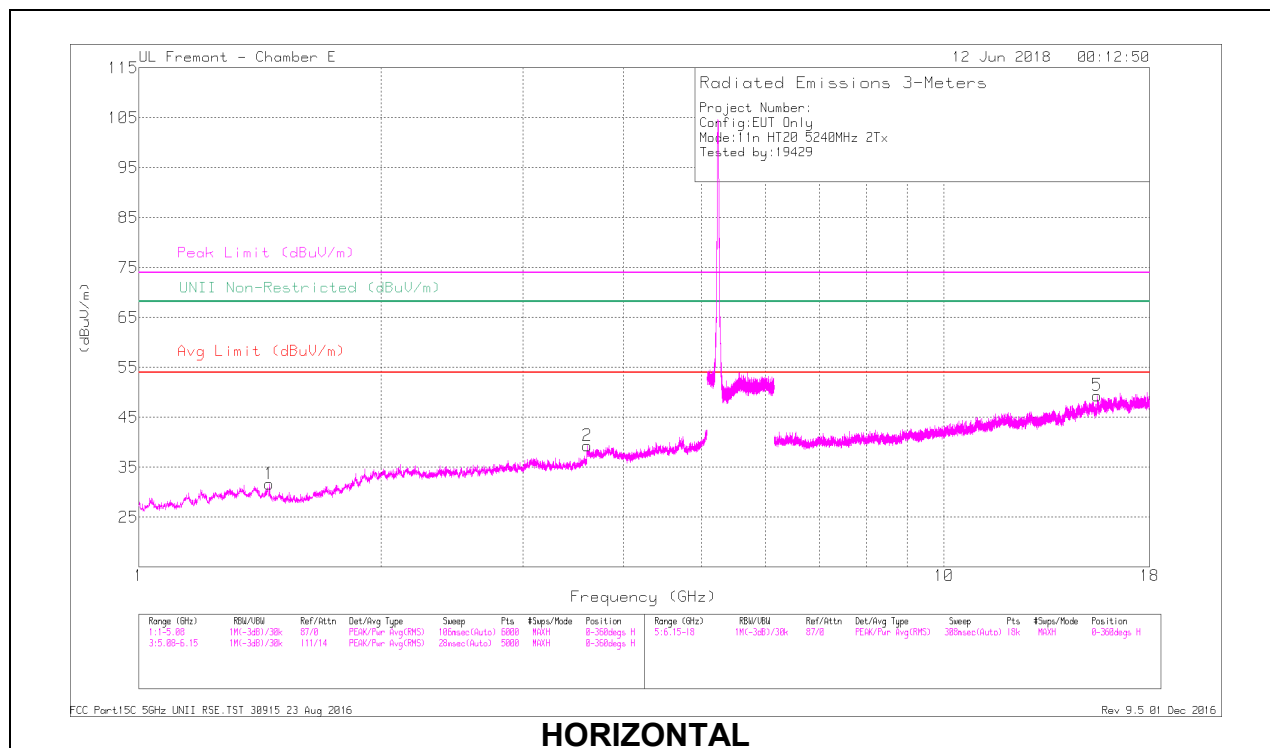
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.118	41	PK-U	33.6	-30.1	44.5	-	-	74	-29.5	-	-	254	327	H
	* 4.118	29.22	ADR	33.6	-30.1	32.72	54	-21.28	-	-	-	-	254	327	H
2	* 3.83	41.71	PK-U	33.7	-29	46.41	-	-	74	-27.59	-	-	5	257	V
	* 3.829	28.98	ADR	33.7	-29	33.68	54	-20.32	-	-	-	-	5	257	V
3	5.592	46.01	PK-U	35	-19	62.01	-	-	-	-	68.2	-6.19	80	177	H
4	5.942	45	PK-U	35.3	-18.9	61.4	-	-	-	-	68.2	-6.8	300	133	V
5	13.118	38.3	PK-U	39.1	-24.4	53	-	-	-	-	68.2	-15.2	325	127	H
6	15.015	37.22	PK-U	41.3	-23.2	55.32	-	-	-	-	68.2	-12.88	151	118	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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)	Polarization
1	* 1.452	43.77	PK-U	28.2	-34.4	37.57	-	-	74	-36.43	-	-	287	371	H
1	* 1.451	32.02	ADR	28.2	-34.4	25.82	54	-28.18	-	-	-	-	287	371	H
2	* 3.61	42.61	PK-U	33.3	-29.6	46.31	-	-	74	-27.69	-	-	235	277	H
2	* 3.608	29.1	ADR	33.3	-29.6	32.8	54	-21.2	-	-	-	-	235	277	H
3	* 1.505	44.55	PK-U	27.6	-34.8	37.35	-	-	74	-36.65	-	-	126	181	V
3	* 1.504	31.91	ADR	27.6	-34.7	24.81	54	-29.19	-	-	-	-	126	181	V
4	* 3.875	41.46	PK-U	33.7	-29.3	45.86	-	-	74	-28.14	-	-	42	384	V
4	* 3.877	29.65	ADR	33.7	-29.3	34.05	54	-19.95	-	-	-	-	42	384	V
5	* 15.502	37.08	PK-U	41.1	-21.8	56.38	-	-	74	-17.62	-	-	304	104	H
5	* 15.502	23.83	ADR	41.1	-21.9	43.03	54	-10.97	-	-	-	-	304	104	H
6	* 10.876	36.49	PK-U	38.2	-23.7	50.99	-	-	74	-23.01	-	-	18	106	V
6	* 10.875	23.94	ADR	38.2	-23.7	38.44	54	-15.56	-	-	-	-	18	106	V

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

PK-U - U-NII: Maximum Peak

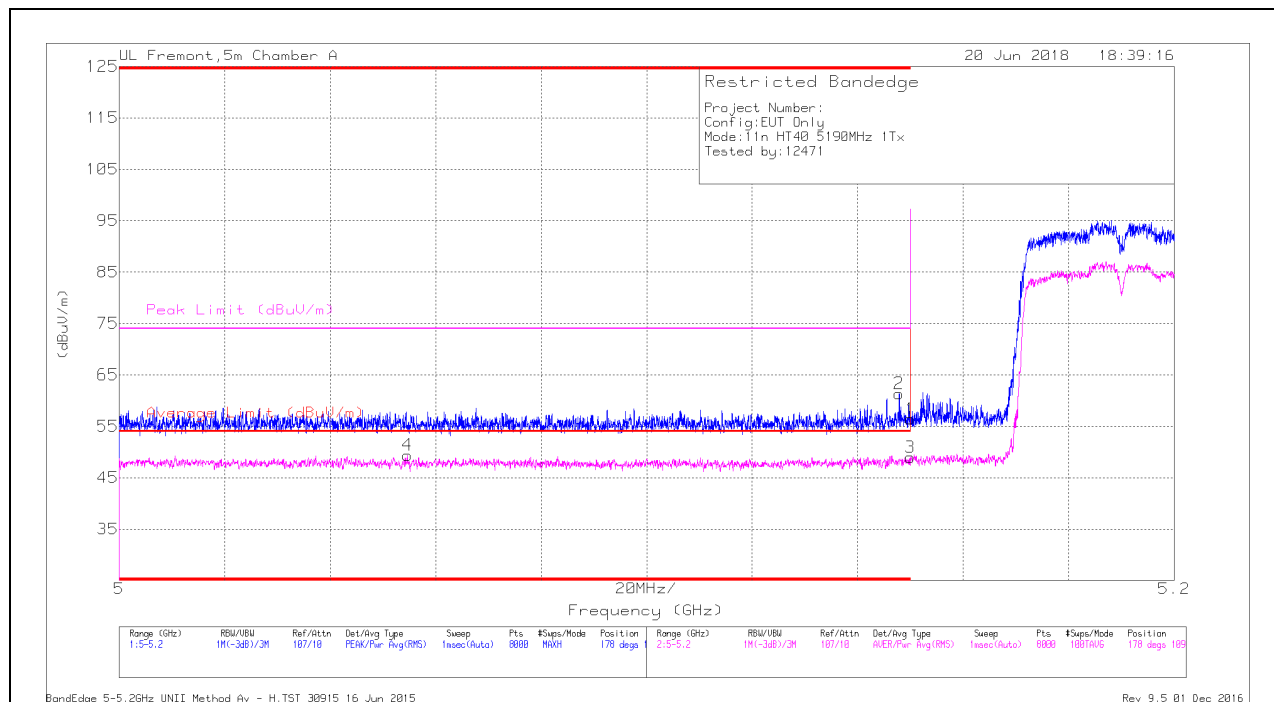
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



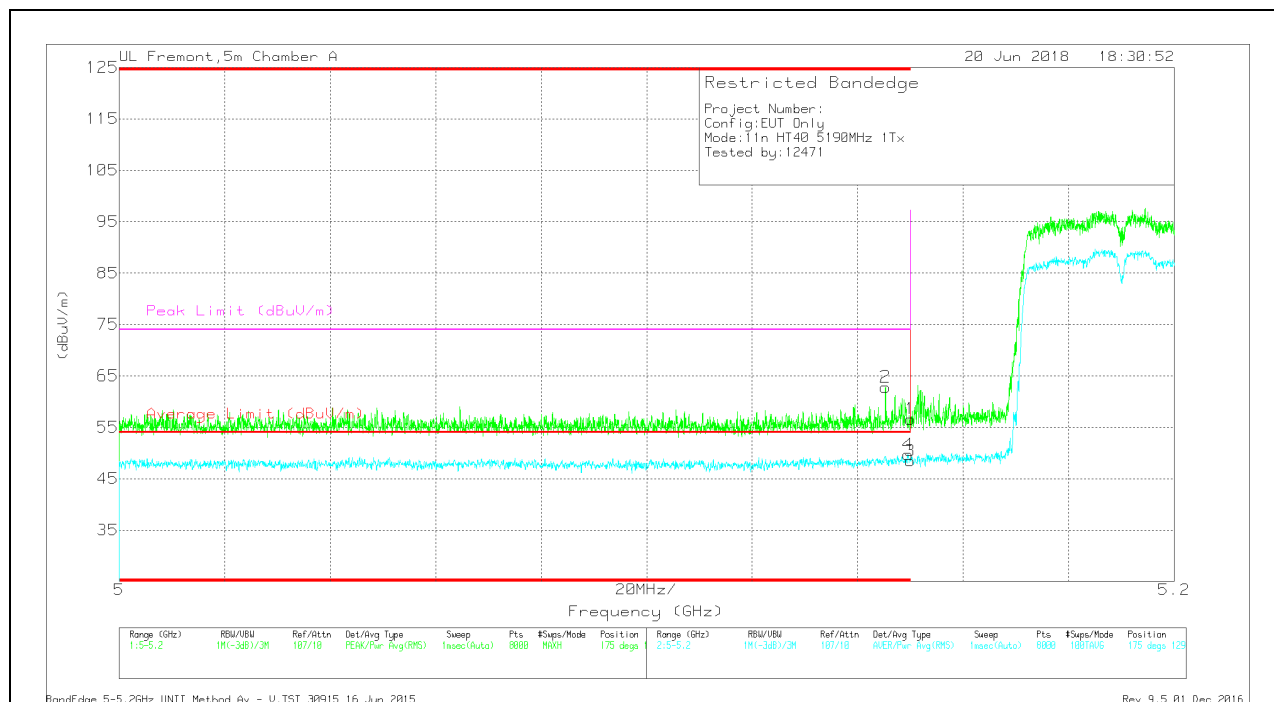
Mark or	Frequenc y (GHz)	Meter Readin g (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Average Limit (dBuV/m)	Margi n (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimu th (Degs)	Heig ht (cm)	Polari ty
1	* 5.15	39.73	Pk	34.4	-17.7	0	56.43	-	-	74	-17.57	178	109	H
2	* 5.148	44.65	Pk	34.4	-17.7	0	61.35	-	-	74	-12.65	178	109	H
3	* 5.15	32.18	RMS	34.4	-17.7	.09	48.97	54	-5.03	-	-	178	109	H
4	* 5.055	32.6	RMS	34.4	-17.7	.09	49.39	54	-4.61	-	-	178	109	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 T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.91	Pk	34.4	-17.7	0	56.61	-	-	74	-17.39	175	129	V
2	* 5.145	46.14	Pk	34.4	-17.7	0	62.84	-	-	74	-11.16	175	129	V
3	* 5.15	31.69	RMS	34.4	-17.7	.09	48.48	54	-5.52	-	-	175	129	V
4	* 5.15	32.93	RMS	34.4	-17.7	.09	49.72	54	-4.28	-	-	175	129	V

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

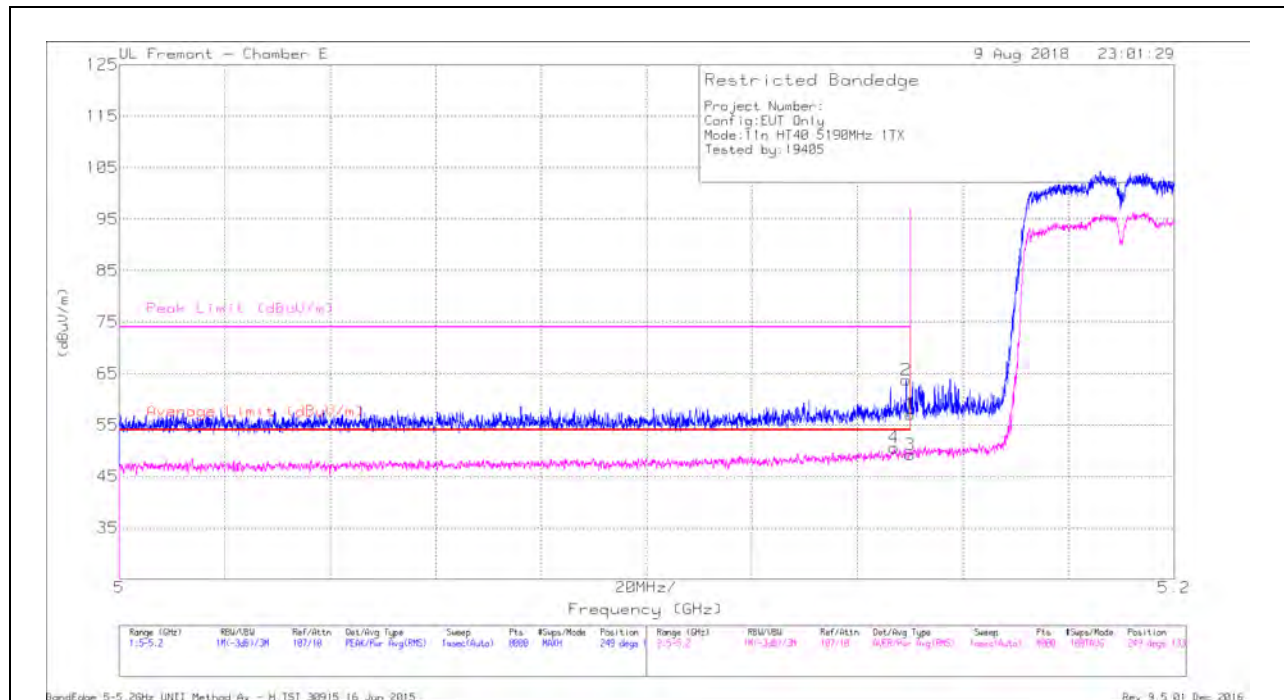
Pk - Peak detector

RMS - RMS detection

1TX Antenna 5 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



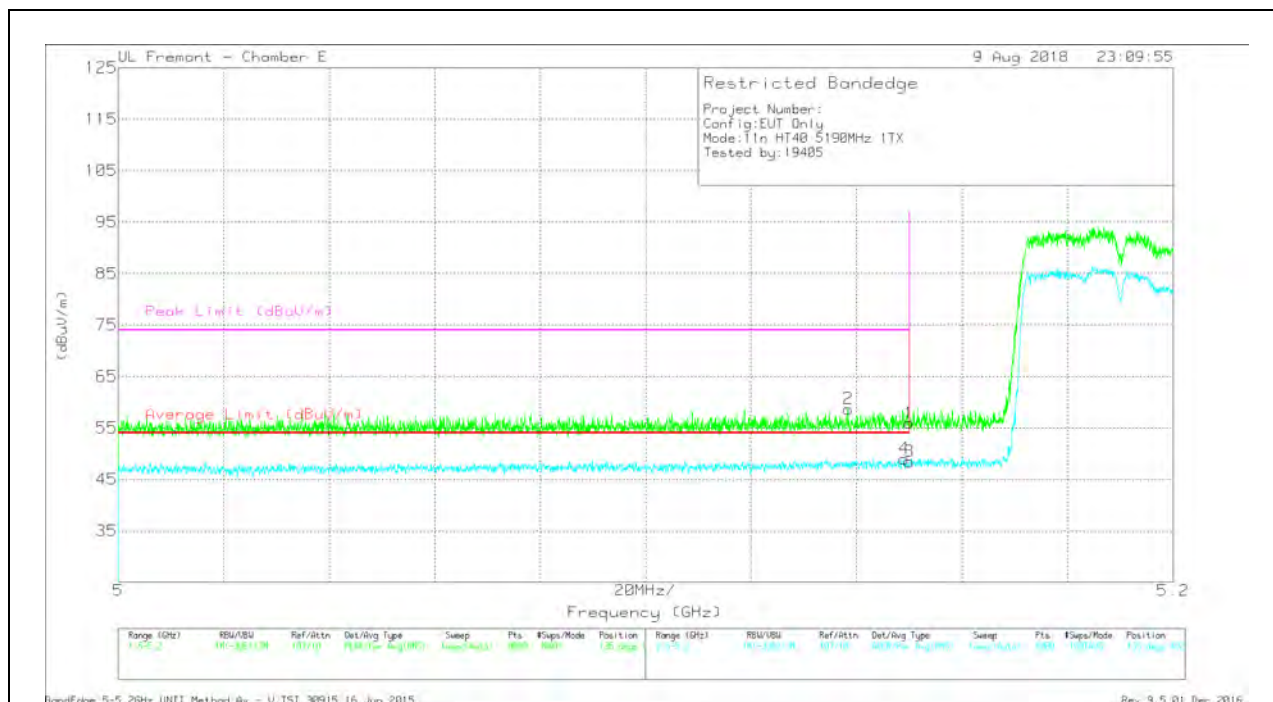
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.1	Pk	34.8	-19.8	0	57.1	-	-	74	-16.9	249	133	H
2	* 5.149	48.77	Pk	34.8	-19.8	0	63.77	-	-	74	-10.23	249	133	H
3	* 5.15	34.21	RMS	34.8	-19.8	0.09	49.30	54	-4.70	-	-	249	133	H
4	* 5.147	35.69	RMS	34.7	-19.8	0.09	50.68	54	-3.32	-	-	249	133	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

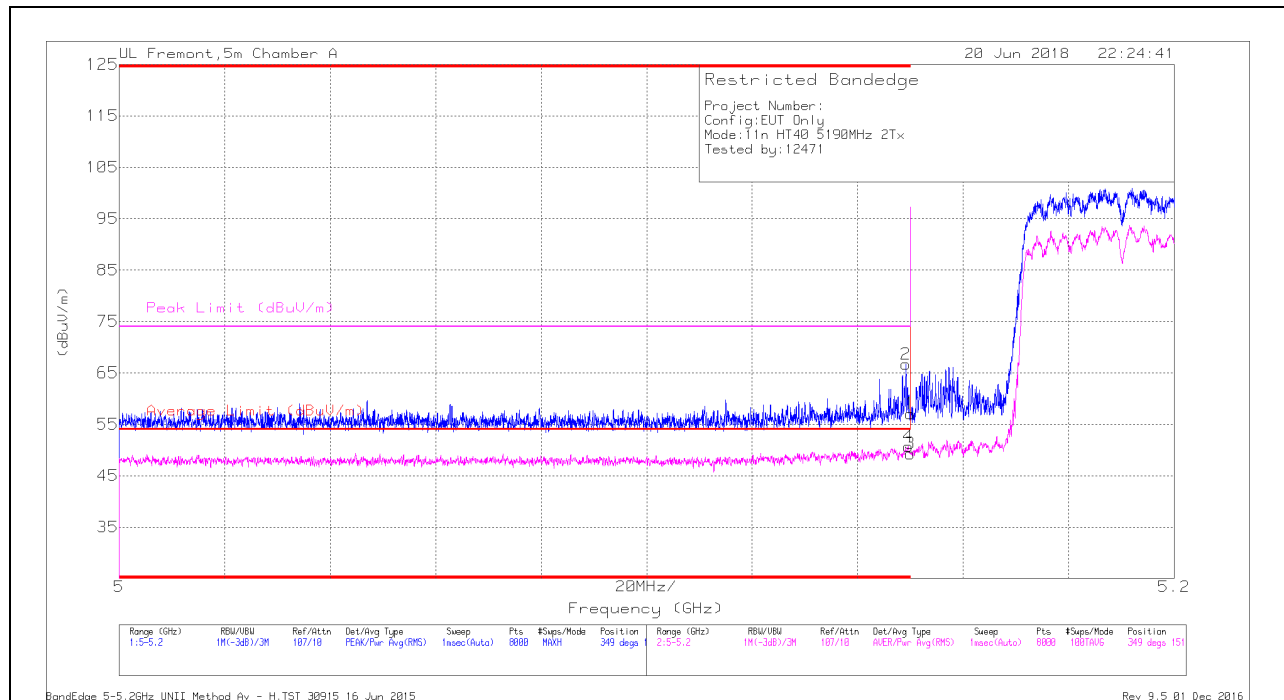


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.95	Pk	34.8	-19.8	0	55.95	-	-	74	-18.05	135	402	V
2	* 5.138	43.79	Pk	34.7	-19.8	0	58.69	-	-	74	-15.31	135	402	V
3	* 5.15	33.45	RMS	34.8	-19.8	0.09	48.54	54	-5.46	-	-	135	402	V
4	* 5.149	34.03	RMS	34.8	-19.8	0.09	49.12	54	-4.88	-	-	135	402	V

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

Pk - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

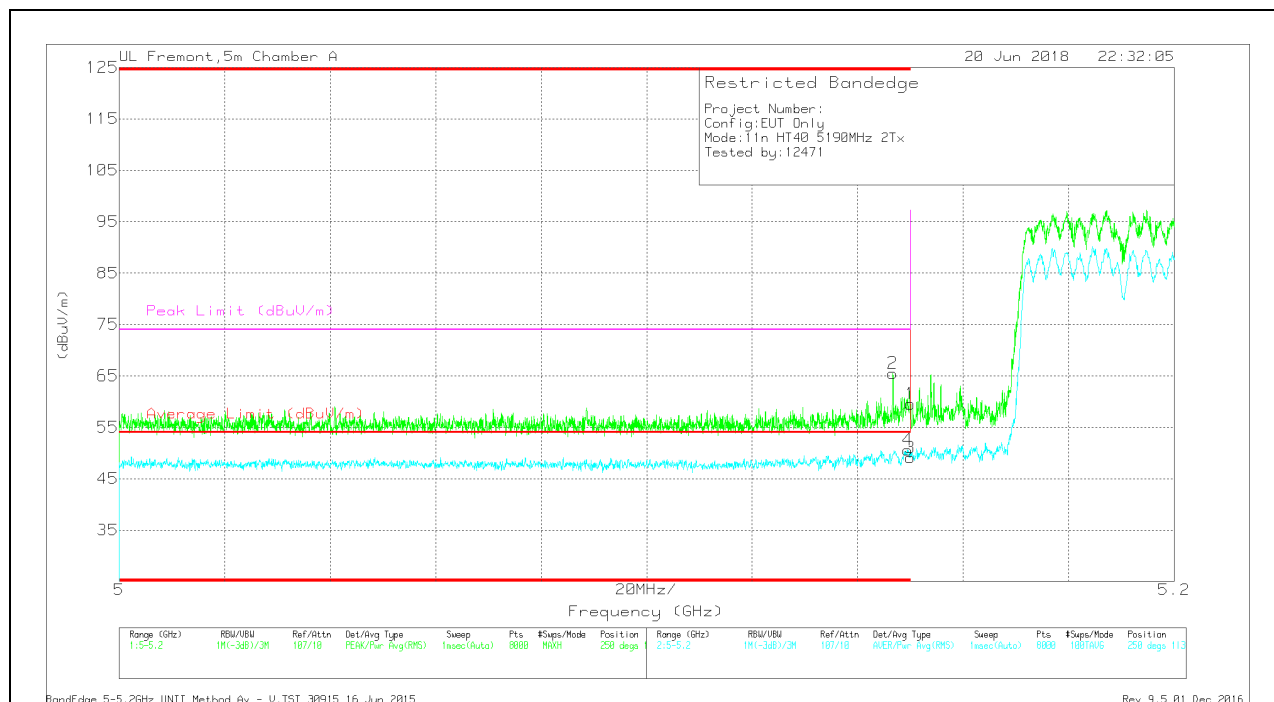
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T662 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.37	Pk	34.4	-17.7	0	57.07	-	-	74	-16.93	349	151	H
2	* 5.149	50.01	Pk	34.4	-17.7	0	66.71	-	-	74	-7.29	349	151	H
3	* 5.15	32.51	RMS	34.4	-17.7	.09	49.3	54	-4.7	-	-	349	151	H
4	* 5.15	33.87	RMS	34.4	-17.7	.09	50.66	54	-3.34	-	-	349	151	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 T662 (dBm)	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
1	* 5.15	42.87	Pk	34.4	-17.7	0	59.57	-	-	74	-14.43	250	113	V
2	* 5.147	48.8	Pk	34.4	-17.7	0	65.5	-	-	74	-8.5	250	113	V
3	* 5.15	32.3	RMS	34.4	-17.7	.09	49.09	54	-4.91	-	-	250	113	V
4	* 5.149	33.81	RMS	34.4	-17.7	.09	50.6	54	-3.4	-	-	250	113	V

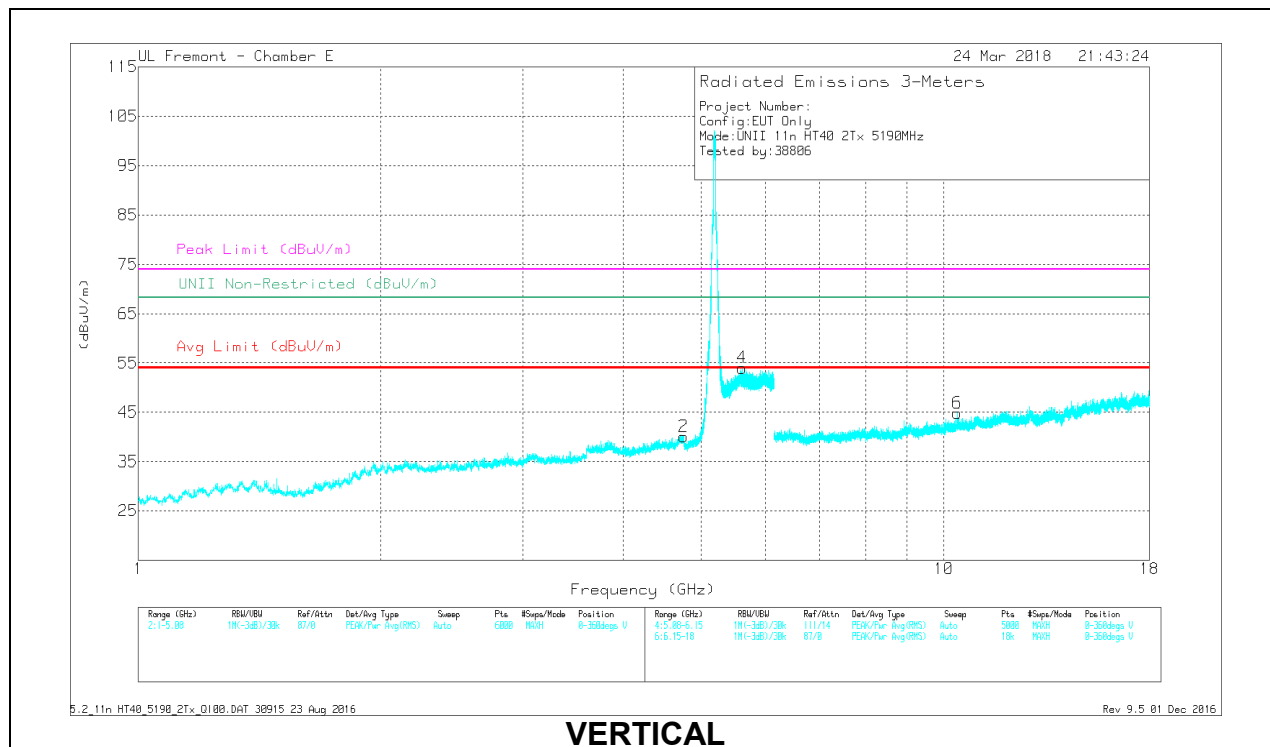
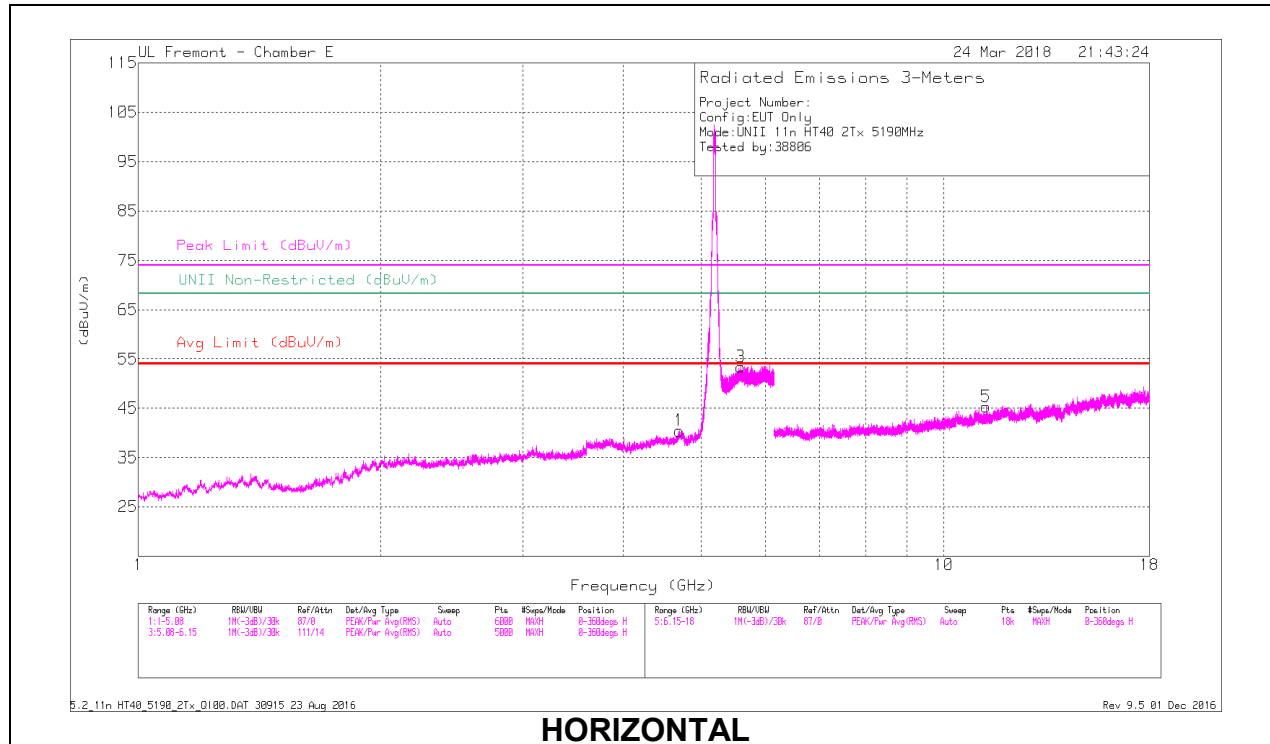
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

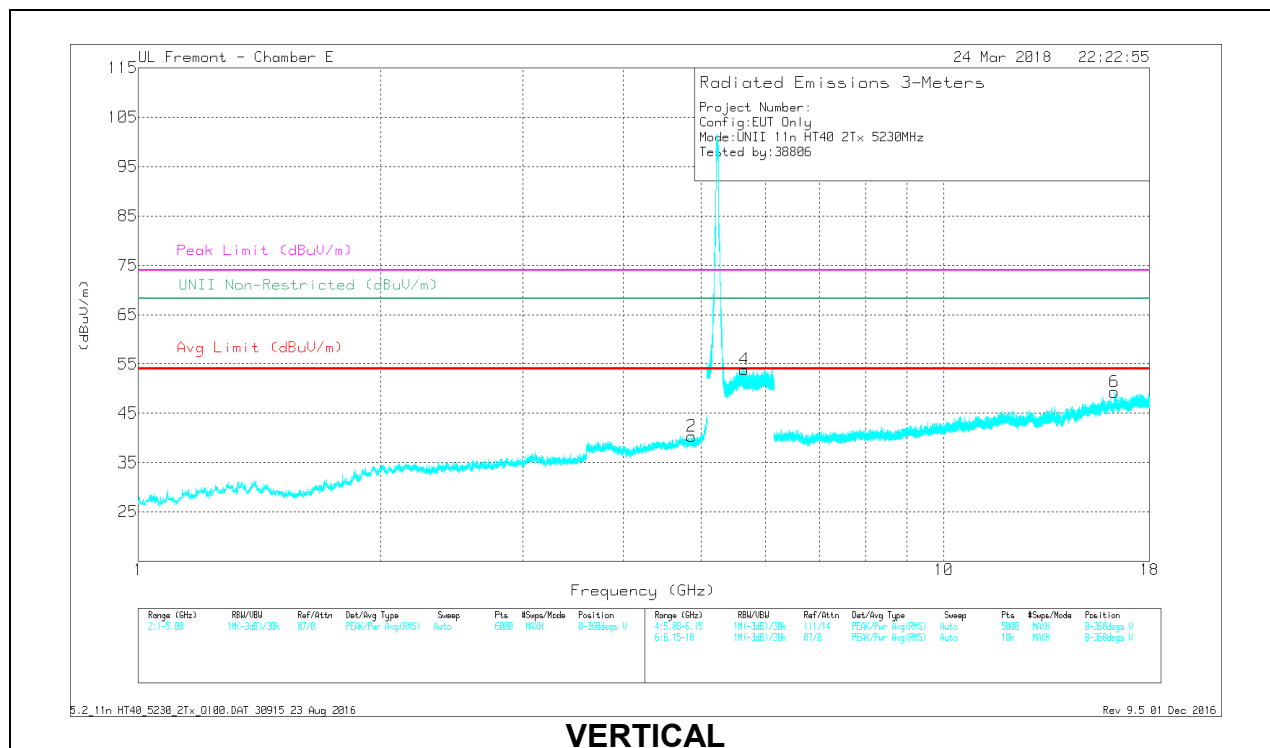
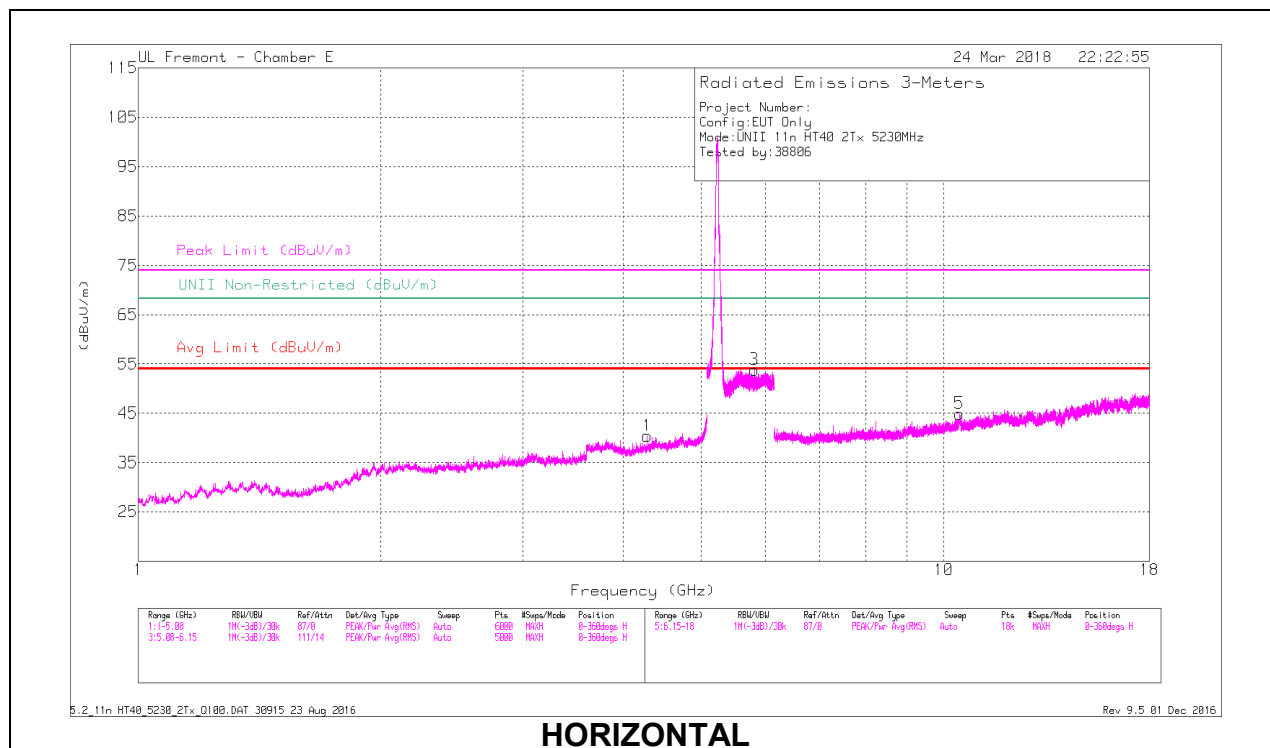
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.692	41.88	PK-U	34.4	-28.9	0	47.38	-	-	74	-26.62	-	-	172	263	H
	* 4.693	29.57	ADR	34.4	-28.9	.09	35.16	54	-18.84	-	-	-	-	172	263	H
2	* 4.75	42.17	PK-U	34.4	-28.6	0	47.97	-	-	74	-26.03	-	-	190	129	V
	* 4.751	29.86	ADR	34.4	-28.6	.09	35.75	54	-18.25	-	-	-	-	190	129	V
5	* 11.273	36.25	PK-U	38.7	-23.5	0	51.45	-	-	74	-22.55	-	-	201	107	H
	* 11.276	23.75	ADR	38.7	-23.5	.09	39.04	54	-14.96	-	-	-	-	201	107	H
3	5.595	46.06	PK-U	35	-19	0	62.06	-	-	-	-	68.2	-6.14	26	182	H
4	5.614	46.06	PK-U	35	-19.1	0	61.96	-	-	-	-	68.2	-6.24	99	398	V
6	10.392	37.18	PK-U	37.7	-23.1	0	51.78	-	-	-	-	68.2	-16.42	271	107	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.283	41.21	PK-U	33.9	-29.6	0	45.51	-	-	74	-28.49	-	-	278	263	H
	* 4.283	28.99	ADR	33.9	-29.6	.09	33.38	54	-20.62	-	-	-	-	278	263	H
2	* 4.862	40.31	PK-U	34.5	-28.6	0	46.21	-	-	74	-27.79	-	-	153	137	V
	* 4.862	28.53	ADR	34.5	-28.6	.09	34.52	54	-19.48	-	-	-	-	153	137	V
4	5.653	46.39	PK-U	35.1	-19.1	0	62.39	-	-	-	-	68.2	-5.81	251	159	V
3	5.818	45.45	PK-U	35.2	-19	0	61.65	-	-	-	-	68.2	-6.55	215	398	H
5	10.45	37.8	PK-U	37.8	-23.2	0	52.4	-	-	-	-	68.2	-15.8	233	118	H
6	16.274	36.29	PK-U	41.3	-21.7	0	55.89	-	-	-	-	68.2	-12.31	27	138	V

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

PK-U - U-NII: Maximum Peak

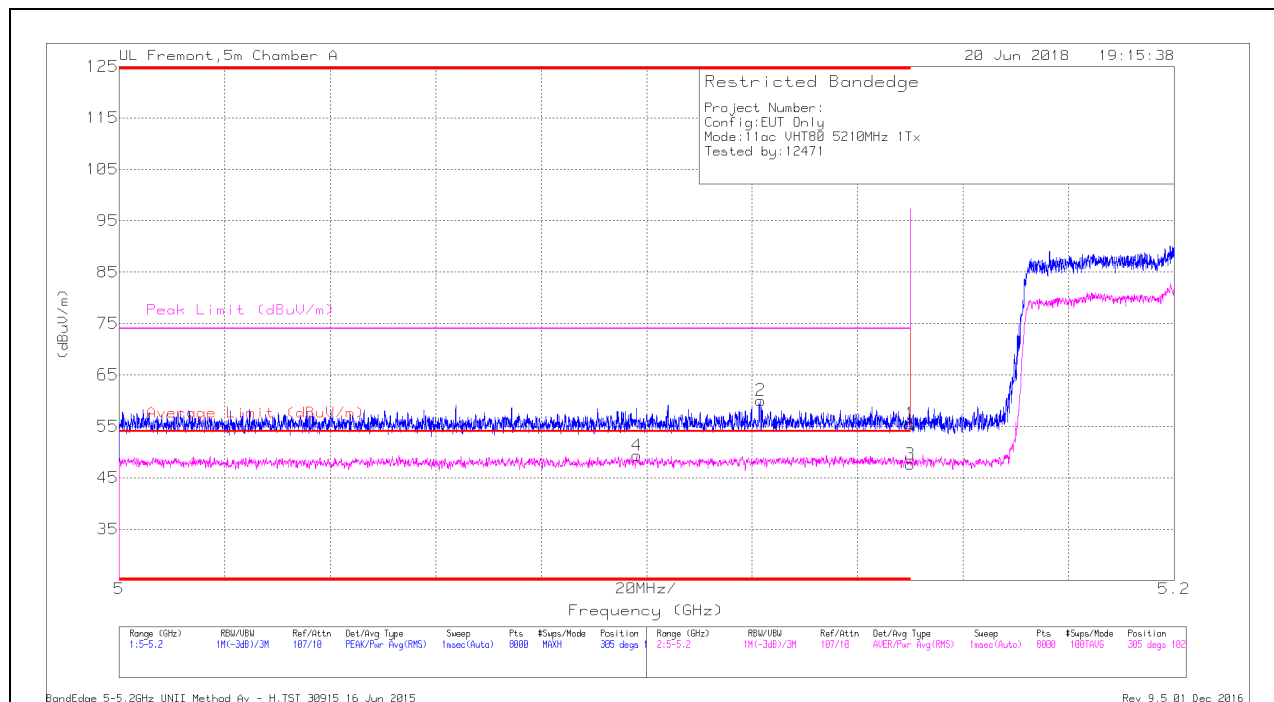
ADR - U-NII AD primary method, RMS average

9.1.3. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



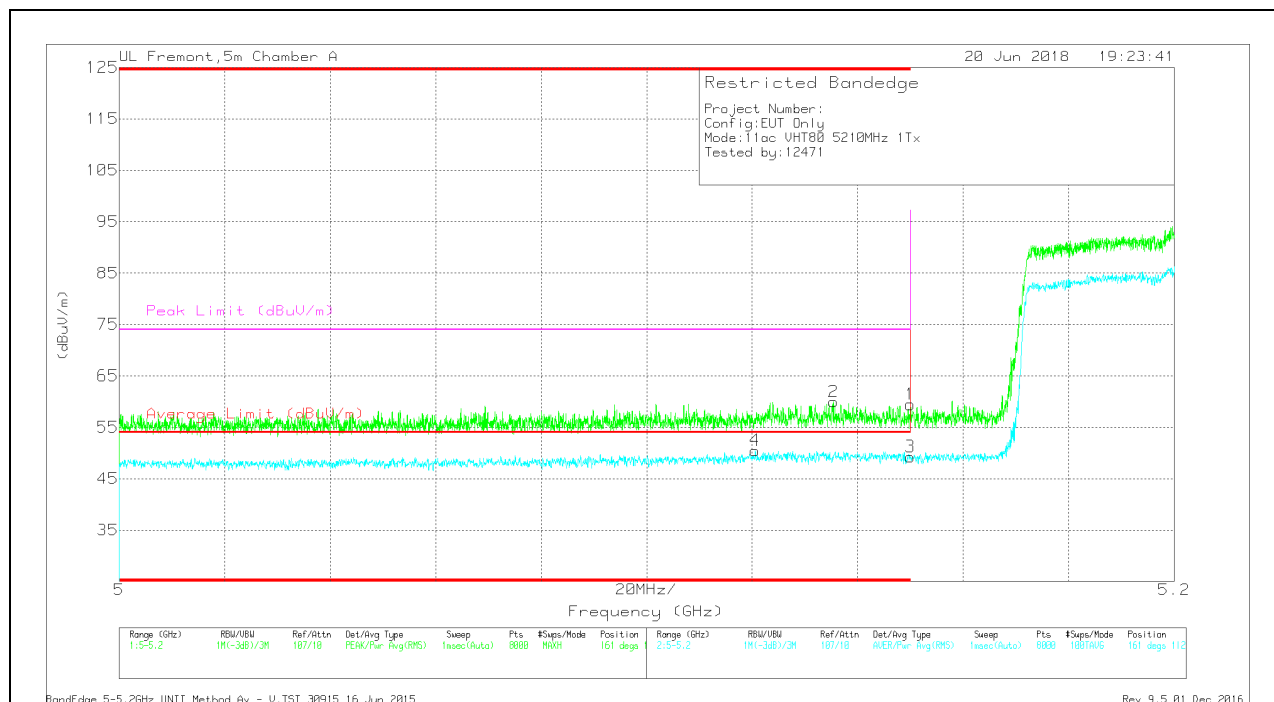
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filt/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.29	Pk	34.8	-19.8	0	59.29	-	-	74	-14.71	104	106	H
2	* 5.129	48.1	Pk	34.7	-19.9	0	62.9	-	-	74	-11.1	104	106	H
3	* 5.15	34.14	RMS	34.8	-19.8	.20	49.34	54	-4.66	-	-	104	106	H
4	* 5.144	35.77	RMS	34.7	-19.8	.20	50.87	54	-3.11	-	-	104	106	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 T662 (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	* 5.15	42.75	Pk	34.4	-17.7	0	59.45	-	-	74	-14.55	161	112	V
2	* 5.135	43.15	Pk	34.4	-17.6	0	59.95	-	-	74	-14.05	161	112	V
3	* 5.15	32.38	RMS	34.4	-17.7	.20	49.27	54	-4.72	-	-	161	112	V
4	* 5.121	33.51	RMS	34.4	-17.6	.20	50.5	54	-3.49	-	-	161	112	V

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

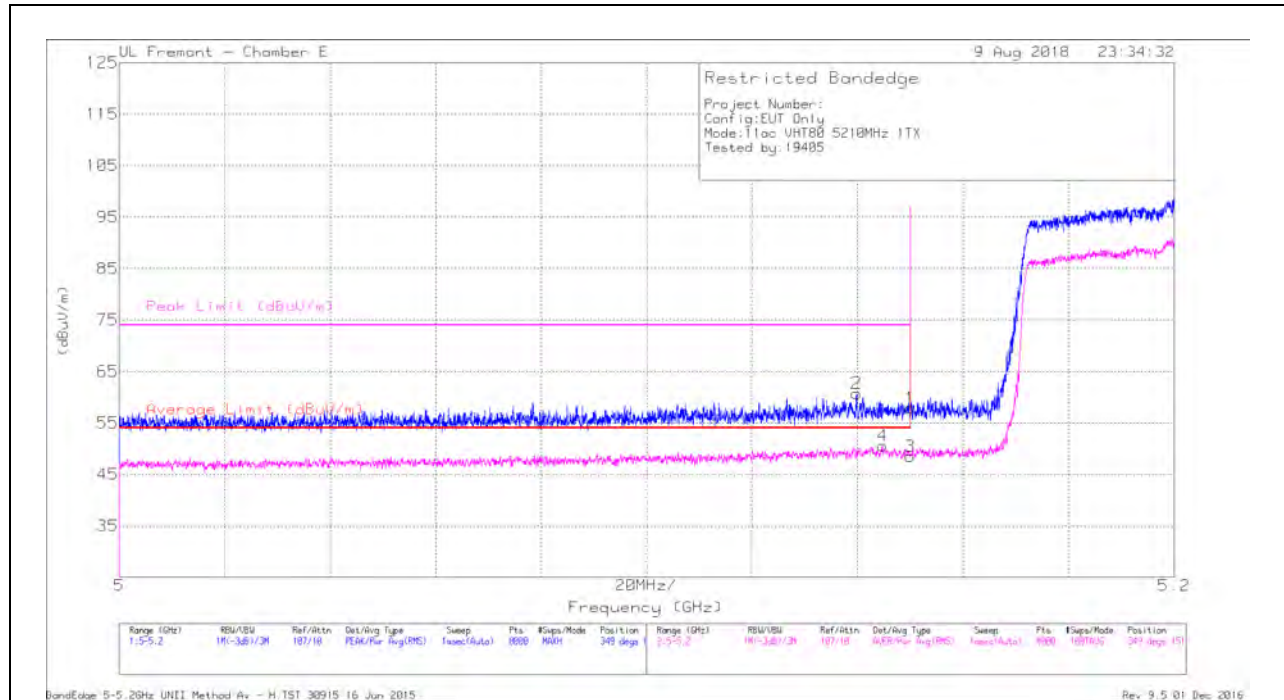
Pk - Peak detector

RMS - RMS detection

1TX Antenna 5 MODE

BANEDGE (MID CHANNEL)

HORIZONTAL RESULT



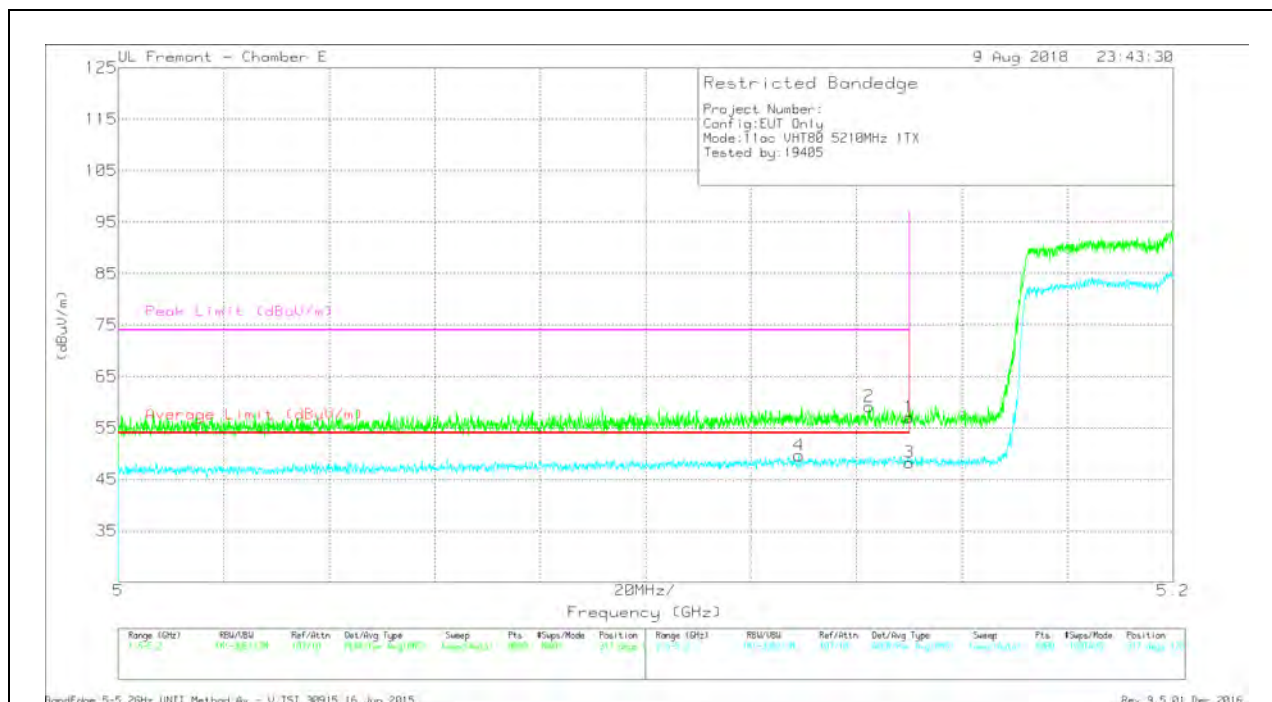
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.87	Pk	34.8	-19.8	0	57.87	-	-	74	-16.13	349	151	H
2	* 5.14	45.84	Pk	34.7	-19.8	0	60.74	-	-	74	-13.26	349	151	H
3	* 5.15	33.46	RMS	34.8	-19.8	.20	48.66	54	-5.34	-	-	349	151	H
4	* 5.145	35.66	RMS	34.7	-19.8	.20	50.76	54	-3.24	-	-	349	151	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 T346 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.08	Pk	34.8	-19.8	0	57.08	-	-	74	-16.92	317	125	V
2	* 5.142	44.27	Pk	34.7	-19.8	0	59.17	-	-	74	-14.83	317	125	V
3	* 5.15	33.31	RMS	34.8	-19.8	.20	48.51	54	-5.49	-	-	317	125	V
4	* 5.129	34.87	RMS	34.7	-19.9	.20	49.87	54	-4.13	-	-	317	125	V

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

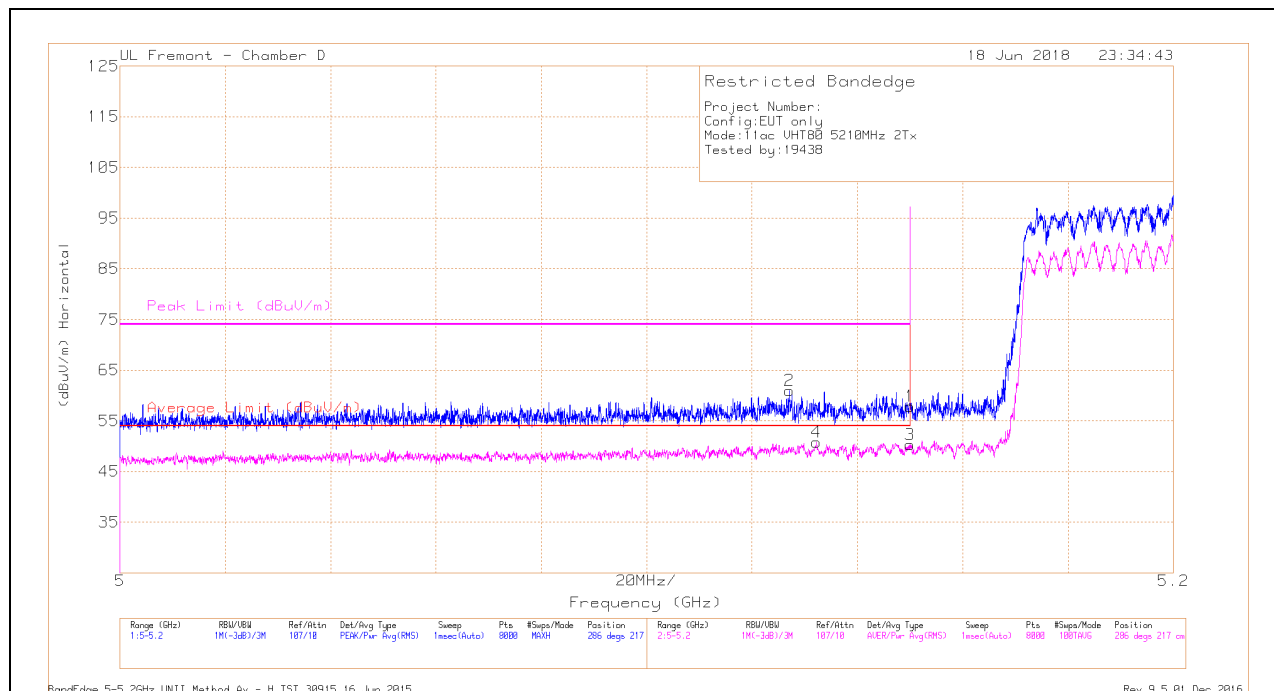
Pk - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



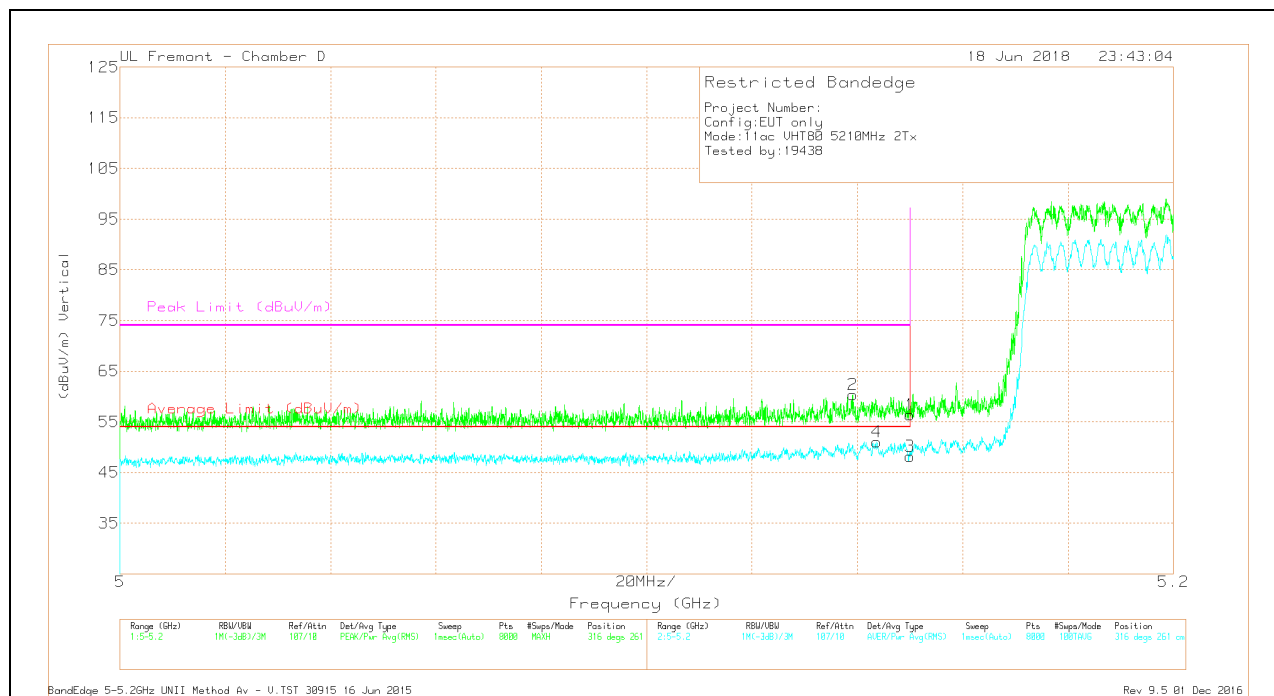
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.127	44.37	Pk	34.6	-18	0	60.97	-	-	74	-13.03	286	217	H
4	* 5.132	34.22	RMS	34.6	-18	.20	50.82	54	-3.18	-	-	286	217	H
1	* 5.15	41.24	Pk	34.6	-18	0	57.84	-	-	74	-16.16	286	217	H
3	* 5.15	33.64	RMS	34.6	-18	.20	50.24	54	-3.76	-	-	286	217	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 T136 (dB/m)	Amp/Cb/Filt/P ad (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	* 5.139	43.8	Pk	34.6	-18	0	60.4	-	-	74	-13.6	316	261	V
4	* 5.144	34.47	RMS	34.6	-18	.20	51.27	54	-2.73	-	-	316	261	V
1	* 5.15	39.8	Pk	34.6	-18	0	56.4	-	-	74	-17.6	316	261	V
3	* 5.15	31.57	RMS	34.6	-18	.20	48.37	54	-5.63	-	-	316	261	V

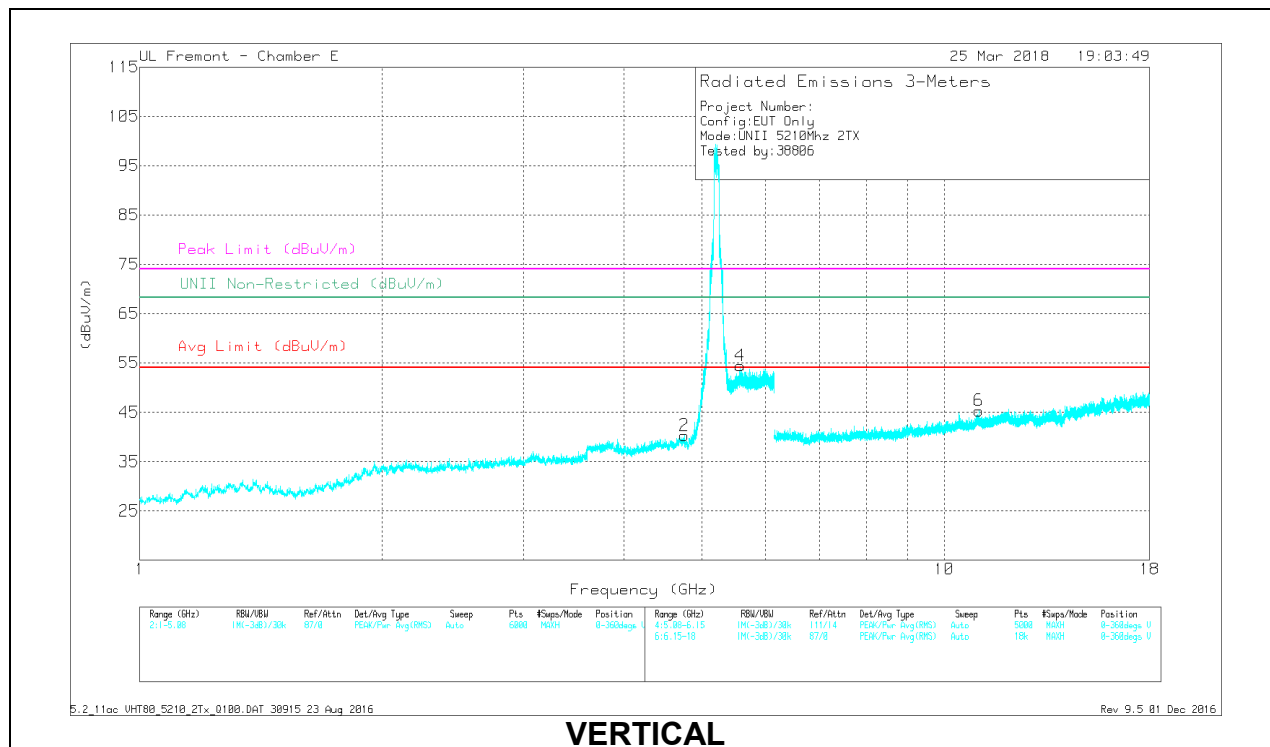
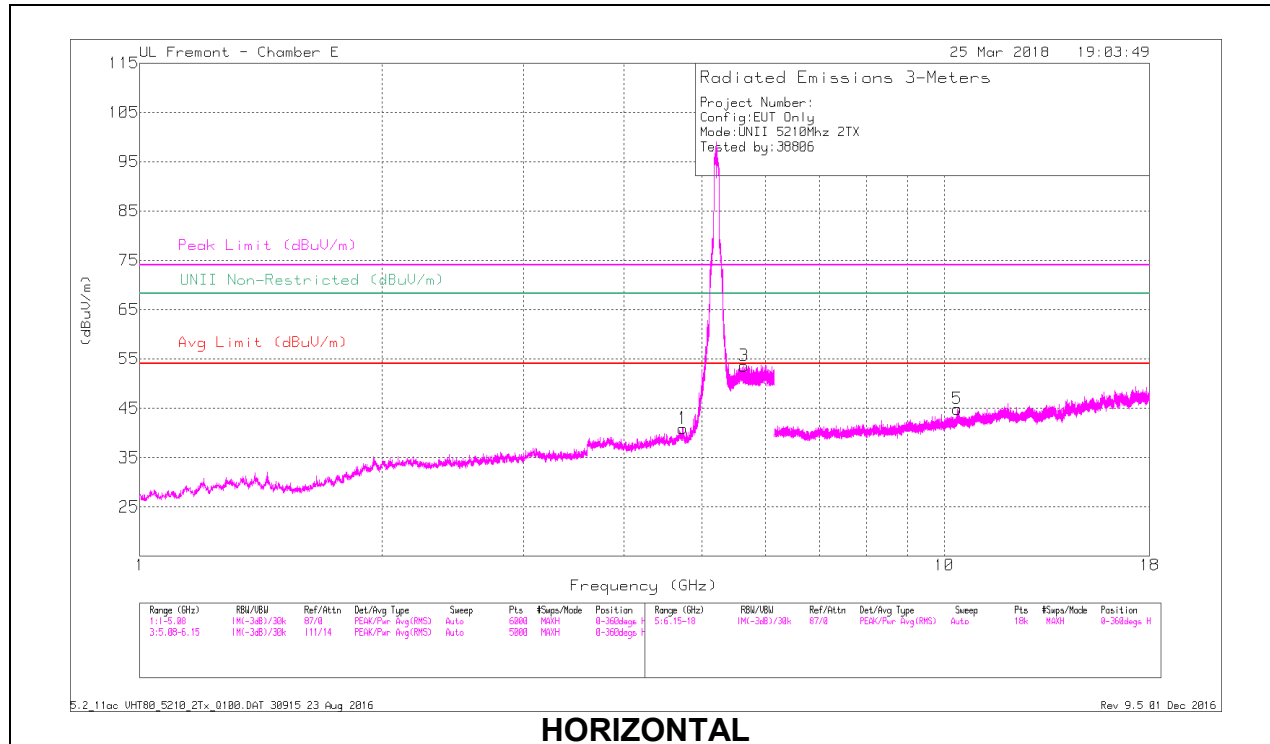
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.732	41.42	PK-U	34.4	-28.2	0	47.62	-	-	74	-26.38	-	-	263	284	H
	* 4.733	29.34	ADR	34.4	-28.2	.2	35.74	54	-18.26	-	-	-	-	263	284	H
2	* 4.754	42.67	PK-U	34.4	-28.7	0	48.37	-	-	74	-25.63	-	-	275	335	V
	* 4.752	29.86	ADR	34.4	-28.7	.2	35.76	54	-18.24	-	-	-	-	275	335	V
6	* 11.04	34.09	PK-U	38.5	-22.9	0	49.69	-	-	74	-24.31	-	-	68	138	V
	* 11.041	22.24	ADR	38.5	-22.9	.2	38.04	54	-15.96	-	-	-	-	68	138	V
4	5.58	45.52	PK-U	35	-19	0	61.52	-	-	-	-	68.2	-6.68	340	228	V
3	5.637	45.29	PK-U	35	-19.2	0	61.09	-	-	-	-	68.2	-7.11	12	176	H
5	10.381	36.38	PK-U	37.7	-23	0	51.08	-	-	-	-	68.2	-17.12	4	129	H

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

PK-U - U-NII: Maximum Peak

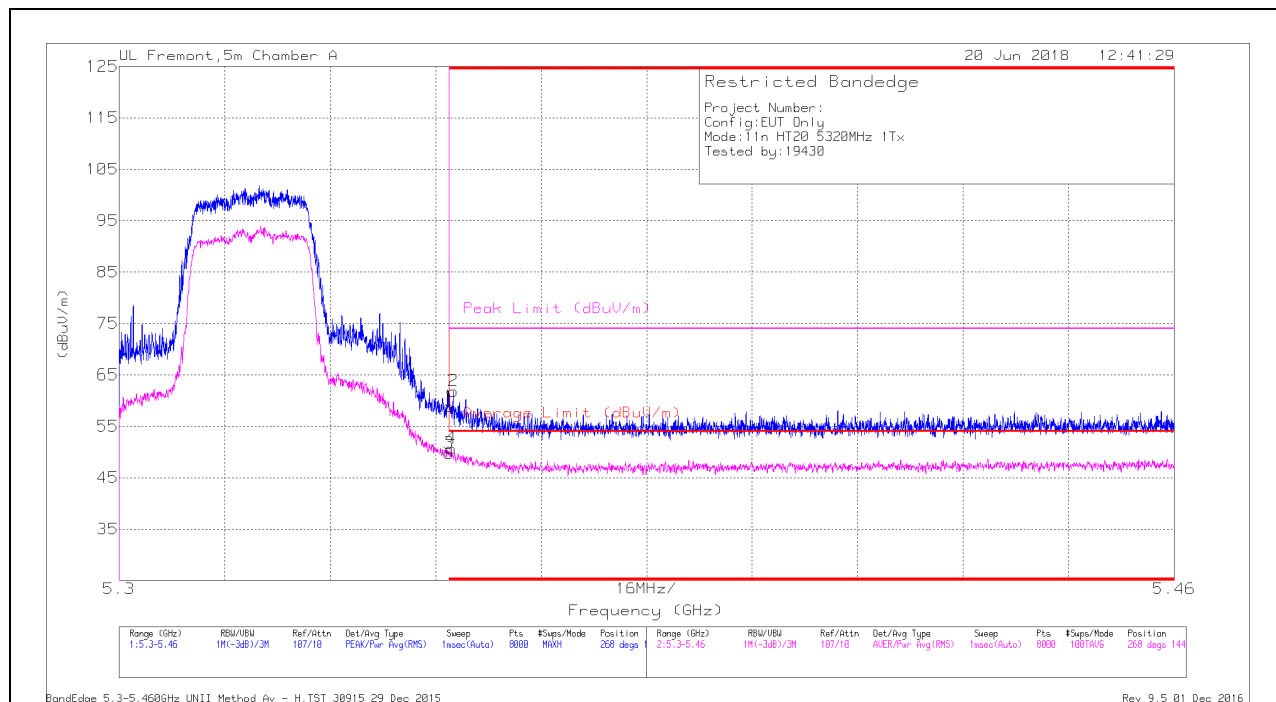
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 6 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/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	* 5.35	41.57	Pk	34.6	-17.3	58.87	-	-	74	-15.13	268	144	H
3	* 5.35	32.45	RMS	34.6	-17.3	49.75	54	-4.25	-	-	268	144	H
4	* 5.35	33.41	RMS	34.6	-17.3	50.71	54	-3.29	-	-	268	144	H
2	* 5.351	44.57	Pk	34.6	-17.3	61.87	-	-	74	-12.13	268	144	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont, 5m Chamber A

20 Jun. 2018 12:46:20

Restricted Bandedge

Project Number:
Config: EUT Only
Mode: 1Tx HT20 5320MHz 1Tx
Tested by: 19430

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

dBuV/m

Frequency (GHz)

16MHz/

Range (GHz)	RBW/ABW	Ref/Attn	Det/Avg Type	Sweep	Pls	#Seps/Mode	Position	Range (GHz)	RBW/ABW	Ref/Attn	Det/Avg Type	Sweep	Pls	#Seps/Mode	Position
1.5 - 5.46	100-3000	0dB/10	Peak/Max	Auto/Manual	1000	1000	3dB	1.5 - 5.46	100-3000	0dB/10	Peak/Max	Auto/Manual	1000	1000	3dB

Range (GHz) RBW/ABW Ref/Attn Det/Avg Type Sweep Pls #Seps/Mode Position

1.5 - 5.46 100-3000 0dB/10 Peak/Max Auto/Manual 1000 1000 3dB

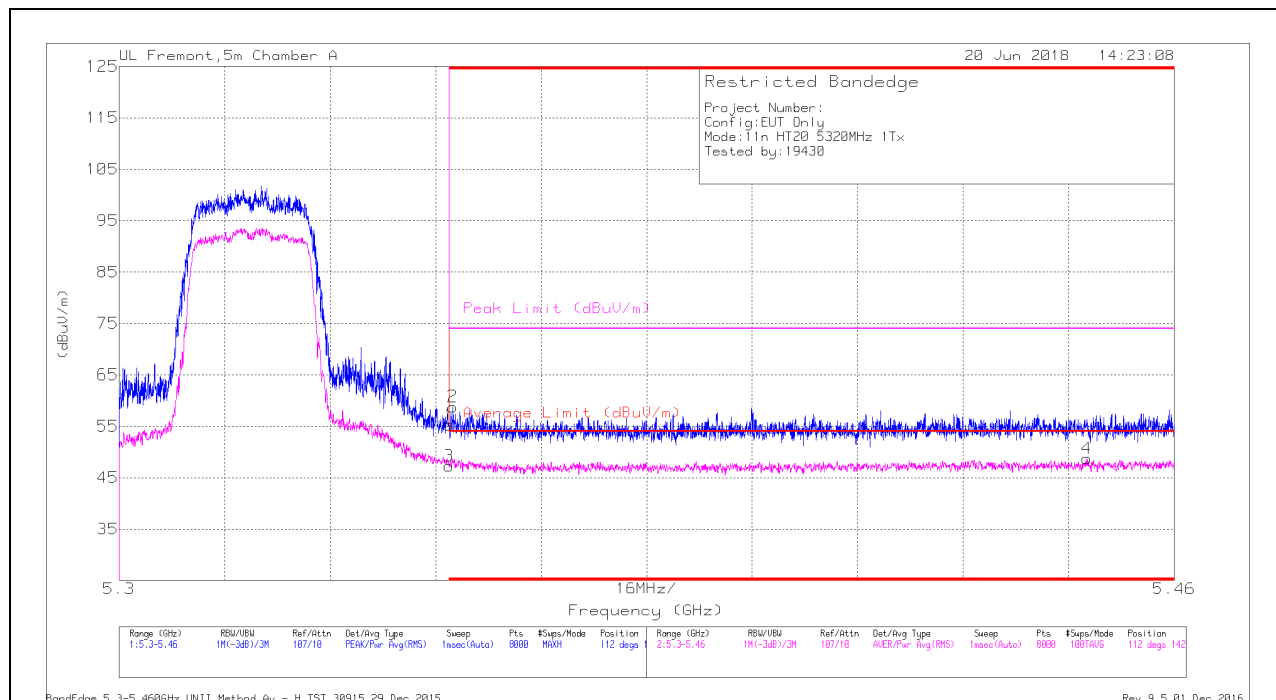
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Dogs)	Height (cm)	Polarity
1	* 5.35	38.5	Pk	34.6	-17.3	55.8	-	-	74	-18.2	268	144	V
2	* 5.351	43	Pk	34.6	-17.3	60.3	-	-	74	-13.7	268	144	V
3	* 5.35	31.99	RMS	34.6	-17.3	49.29	54	-4.71	-	-	268	144	V
4	* 5.351	32.62	RMS	34.6	-17.3	49.92	54	-4.08	-	-	268	144	V

Pk - Peak detector
RMS - RMS detection

1TX Antenna 5 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



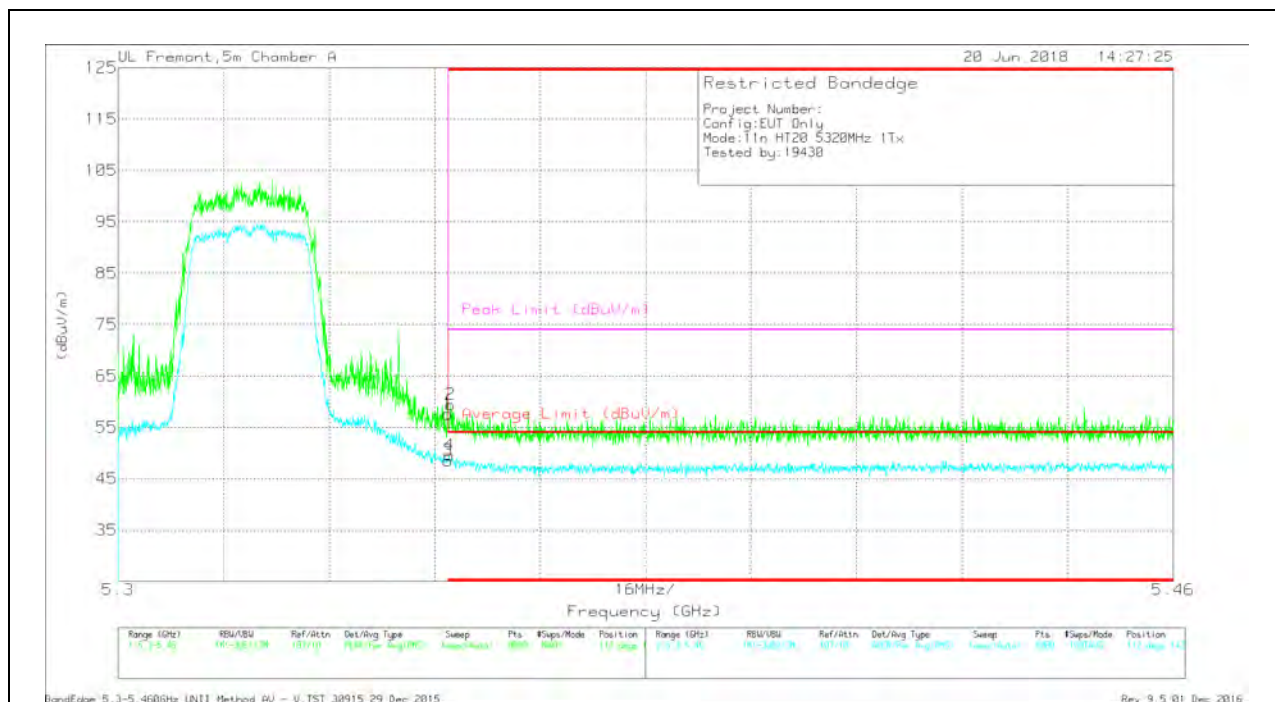
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.99	Pk	34.6	-17.3	55.29	-	-	74	-18.71	112	142	H
2	* 5.351	41.5	Pk	34.6	-17.3	58.8	-	-	74	-15.2	112	142	H
3	* 5.35	29.94	RMS	34.6	-17.3	47.24	54	-6.76	-	-	112	142	H
4	* 5.447	31.13	RMS	34.7	-17.1	48.73	54	-5.27	-	-	112	142	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

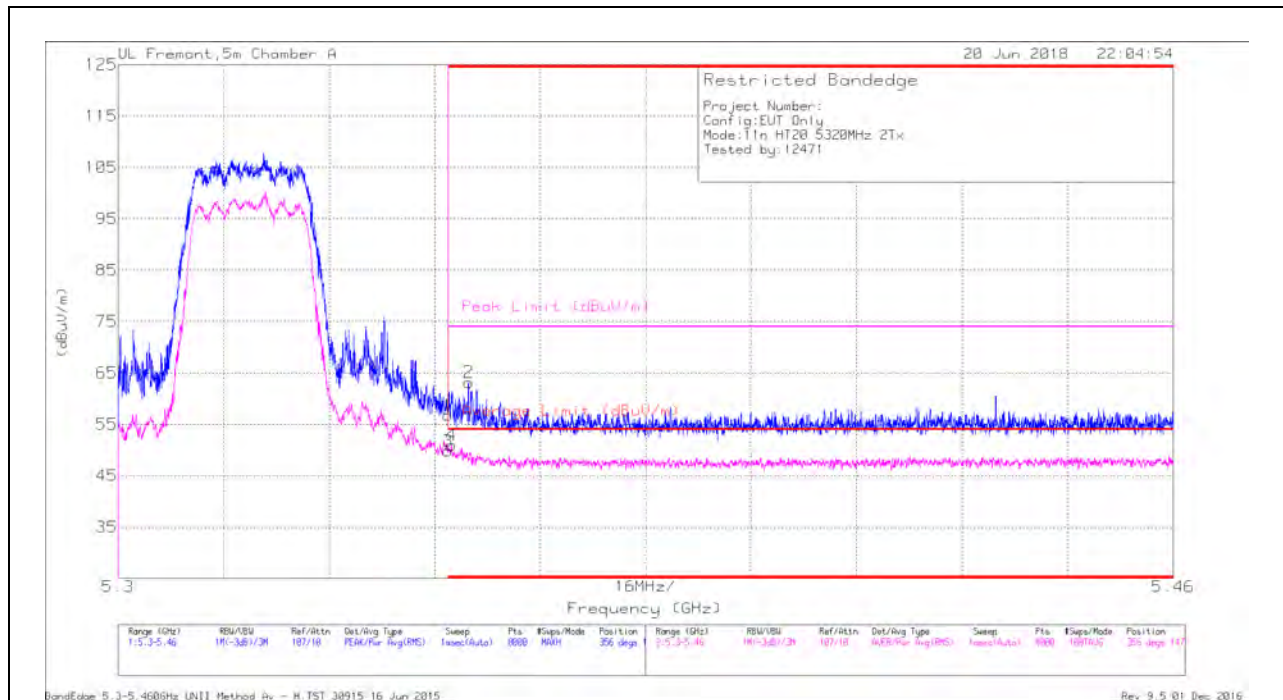


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.31	Pk	34.6	-17.3	57.61	-	-	74	-16.39	112	142	V
2	* 5.35	42.12	Pk	34.6	-17.3	59.42	-	-	74	-14.58	112	142	V
3	* 5.35	31.24	RMS	34.6	-17.3	48.54	54	-5.46	-	-	112	142	V
4	* 5.35	32.26	RMS	34.6	-17.3	49.56	54	-4.44	-	-	112	142	V

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

Pk - Peak detector

RMS - RMS detection

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/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	* 5.35	39.49	Pk	34.6	-17.3	56.79	-	-	74	-17.21	356	147	H
2	* 5.353	45.89	Pk	34.6	-17.3	63.19	-	-	74	-10.81	356	147	H
3	* 5.35	32.55	RMS	34.6	-17.3	49.85	54	-4.15	-	-	356	147	H
4	* 5.351	33.61	RMS	34.6	-17.3	50.91	54	-3.09	-	-	356	147	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont, 5m Chamber A

20 Jun. 2018 22:13:26

Restricted Bandedge

Project Number:
Config: EUT Only
Mode: 11n HT20 5320MHz 2Tx
Tested by: 12471

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

16MHz/

Frequency (GHz)

Range (GHz)	RBW/ABW	Ref/Attn	Det/Avg Type	Sweep	Pls	#Seps/Mode	Position	Range (GHz)	RBW/ABW	Ref/Attn	Det/Avg Type	Sweep	Pls	#Seps/Mode	Position
5.3-5.46	100-3000	0dB/10	Peak/Max	Auto/Manual	1000	1000	200 steps	5.3-5.46	100-3000	0dB/10	Peak/Max	Auto/Manual	1000	1000	200 steps

BandEdge 5.3-5.46GHz UNII Method A1 - V.1ST.10915.16 Jun. 2015

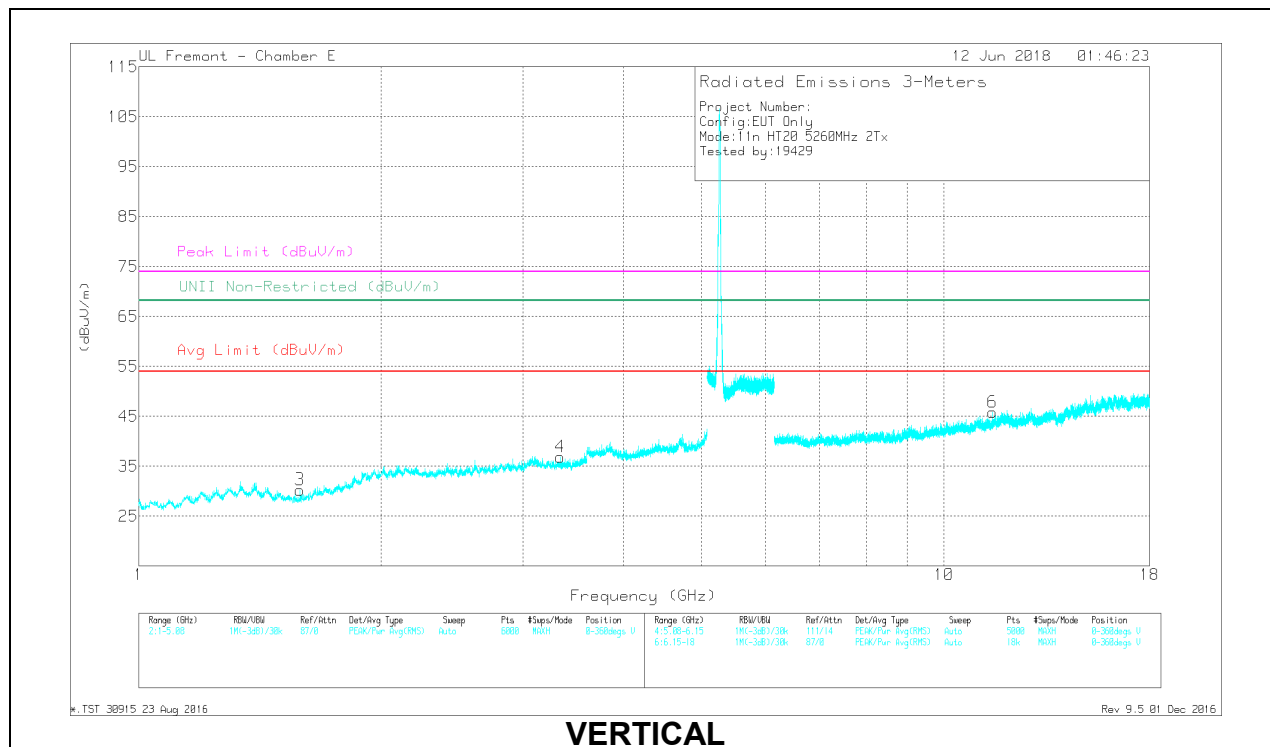
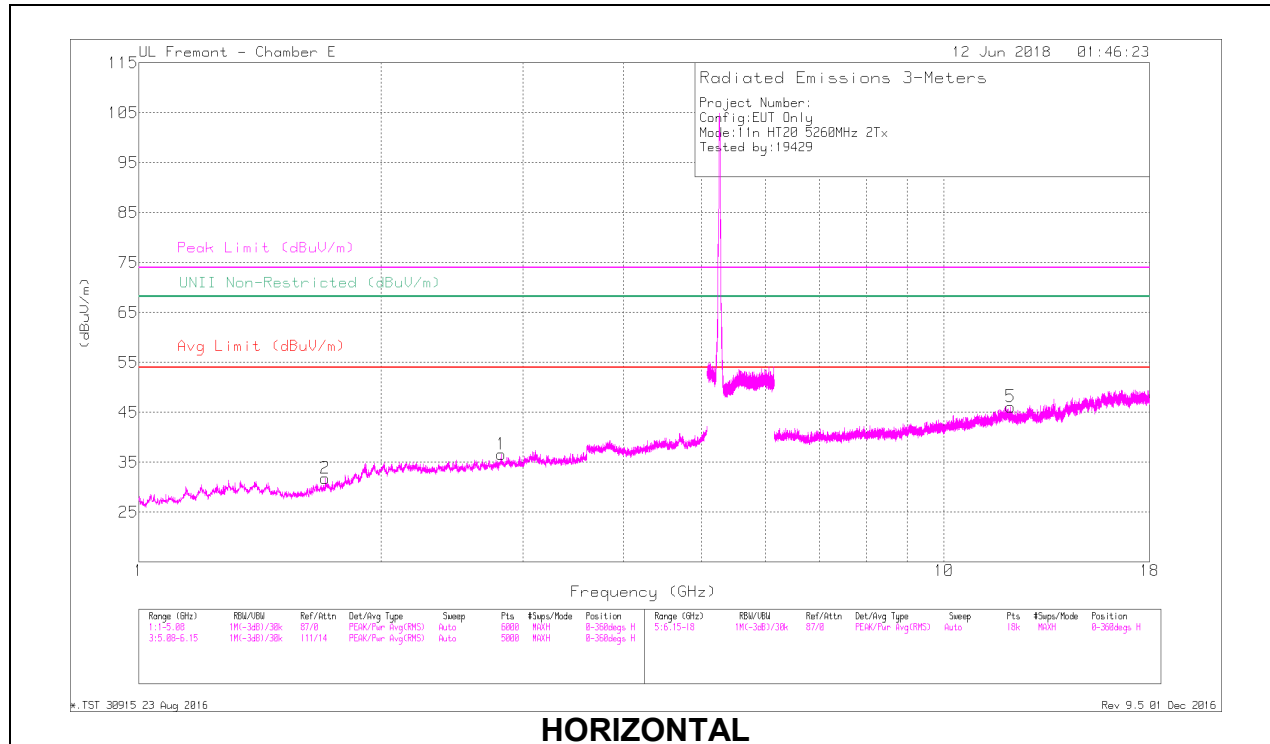
Rev. 9.5.01 Dec. 2016

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	* 5.35	39.46	Pk	34.6	-17.3	56.76	-	-	74	-17.24	283	133	V
2	* 5.35	41.84	Pk	34.6	-17.3	59.14	-	-	74	-14.86	283	133	V
3	* 5.35	31.62	RMS	34.6	-17.3	48.92	54	-5.08	-	-	283	133	V
4	* 5.35	32	RMS	34.6	-17.3	49.3	54	-4.7	-	-	283	133	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

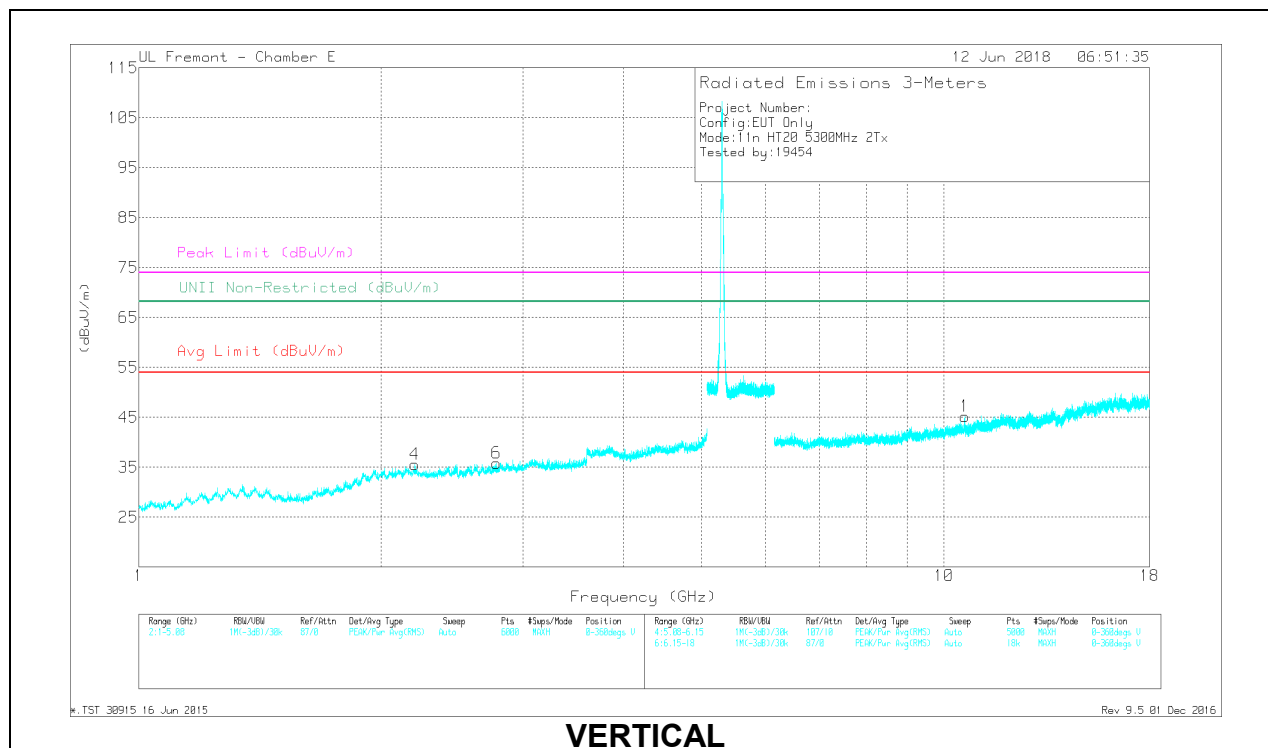
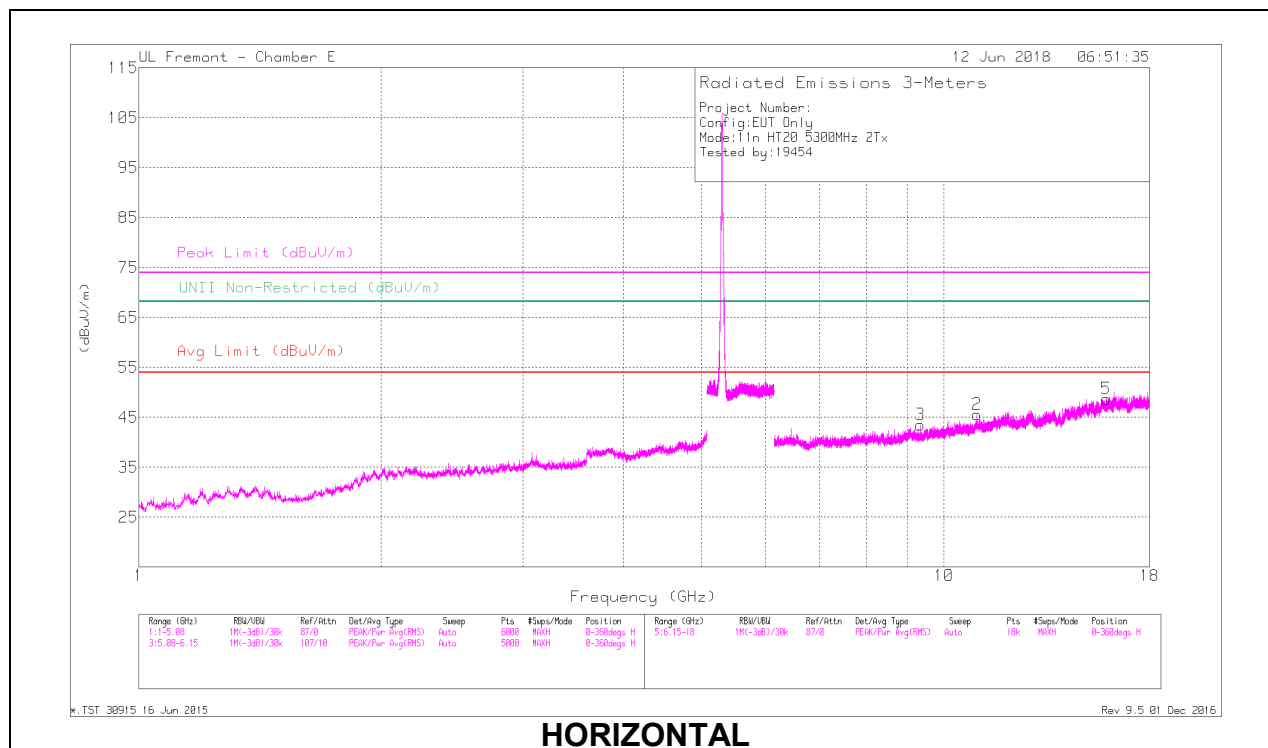
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb I/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.818	41.49	PK-U	32.7	-31	43.19	-	-	74	-30.81	324	342	H
1	* 2.816	29.51	ADR	32.6	-31	31.11	54	-22.89	-	-	324	342	H
2	* 1.704	42.79	PK-U	28.3	-33.2	37.89	-	-	74	-36.11	322	279	H
2	* 1.706	30.92	ADR	28.3	-33.2	26.02	54	-27.98	-	-	322	279	H
3	* 1.586	43.9	PK-U	27.2	-34.3	36.8	-	-	74	-37.2	101	274	V
3	* 1.585	31.67	ADR	27.2	-34.3	24.57	54	-29.43	-	-	101	274	V
4	* 3.335	41.89	PK-U	32.9	-30.5	44.29	-	-	74	-29.71	278	277	V
4	* 3.335	28.98	ADR	32.9	-30.5	31.38	54	-22.62	-	-	278	277	V
5	* 12.093	36.67	PK-U	39.2	-23.6	52.27	-	-	74	-21.73	261	110	H
5	* 12.09	24.41	ADR	39.2	-23.7	39.91	54	-14.09	-	-	261	110	H
6	* 11.495	36.16	PK-U	38.7	-23.2	51.66	-	-	74	-22.34	17	116	V
6	* 11.494	23.77	ADR	38.7	-23.2	39.27	54	-14.73	-	-	17	116	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



RADIATED EMISSIONS

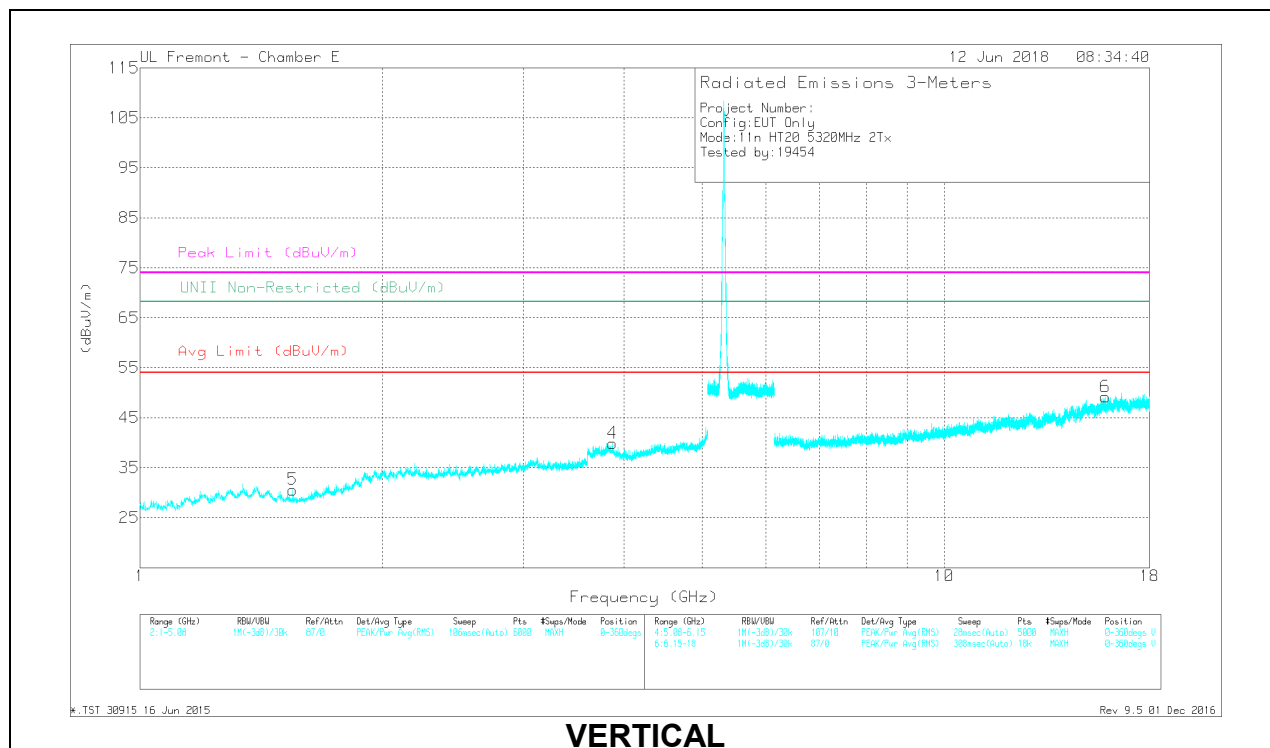
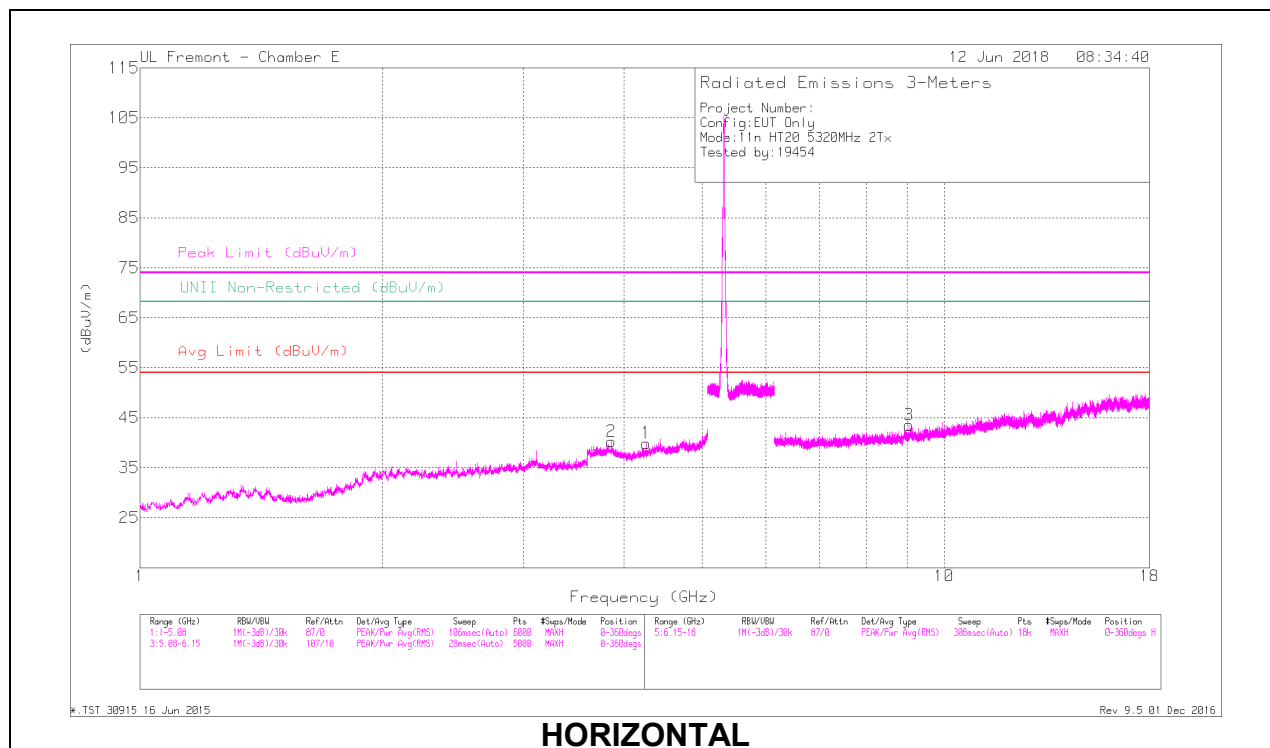
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb I/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.202	42.27	PK-U	32.1	-32	42.37	-	-	74	-31.63	85	103	V
	* 2.201	30.13	ADR	32.1	-32	30.23	54	-23.77	-	-	85	103	V
6	* 2.782	41.84	PK-U	32.6	-31.6	42.84	-	-	74	-31.16	6	353	V
	* 2.78	29.58	ADR	32.6	-31.6	30.58	54	-23.42	-	-	6	353	V
5	* 15.896	36.39	PK-U	41.4	-23	54.79	-	-	74	-19.21	102	100	H
	* 15.898	24.29	ADR	41.4	-22.9	42.79	54	-11.21	-	-	102	100	H
3	* 9.341	37.57	PK-U	37.2	-25.3	49.47	-	-	74	-24.53	72	110	H
	* 9.341	25.21	ADR	37.2	-25.3	37.11	54	-16.89	-	-	72	110	H
2	* 10.993	36.81	PK-U	38.5	-22.5	52.81	-	-	74	-21.19	0	100	H
	* 10.99	23.52	ADR	38.4	-22.5	39.42	54	-14.58	-	-	0	100	H
1	* 10.608	37.93	PK-U	38.1	-23.6	52.43	-	-	74	-21.57	6	105	V
	* 10.606	24.94	ADR	38.1	-23.6	39.44	54	-14.56	-	-	6	105	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb I/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.261	40.93	PK-U	33.8	-29.5	45.23	-	-	74	-28.77	197	176	H
	* 4.262	28.88	ADR	33.8	-29.5	33.18	54	-20.82	-	-	197	176	H
2	* 3.86	41.39	PK-U	33.7	-29	46.09	-	-	74	-27.91	271	387	H
	* 3.86	29.3	ADR	33.7	-29	34	54	-20	-	-	271	387	H
4	* 3.871	41.9	PK-U	33.7	-29.2	46.4	-	-	74	-27.6	300	376	V
	* 3.873	29.62	ADR	33.7	-29.2	34.12	54	-19.88	-	-	300	376	V
5	* 1.55	44.24	PK-U	27.4	-34.7	36.94	-	-	74	-37.06	229	148	V
	* 1.551	32.01	ADR	27.4	-34.7	24.71	54	-29.29	-	-	229	148	V
3	* 9.048	37.84	PK-U	37	-25.4	49.44	-	-	74	-24.56	38	112	H
	* 9.048	25.76	ADR	37	-25.4	37.36	54	-16.64	-	-	38	112	H
6	* 15.857	35.89	PK-U	41.5	-22.5	54.89	-	-	74	-19.11	217	137	V
	* 15.858	22.99	ADR	41.5	-22.6	41.89	54	-12.11	-	-	217	137	V

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

PK-U - U-NII: Maximum Peak

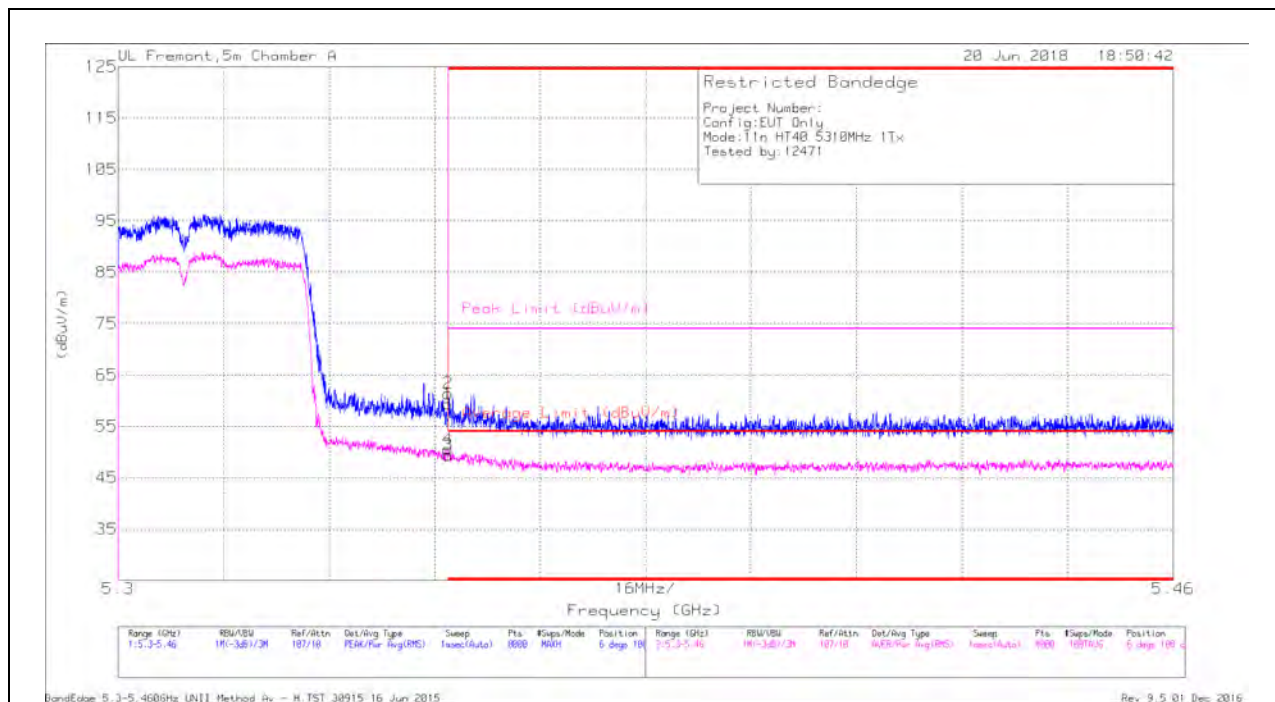
ADR - U-NII AD primary method, RMS average

9.1.5. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



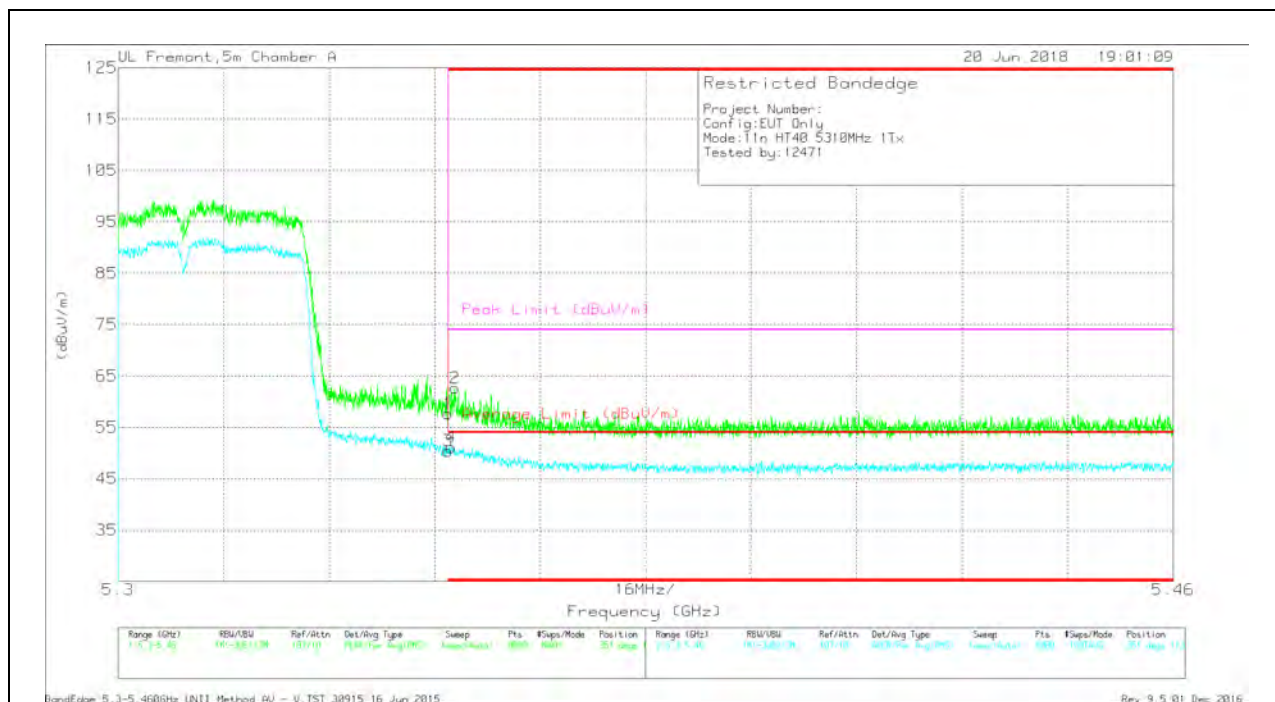
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.13	Pk	34.6	-17.3	0	59.43	-	-	74	-14.57	6	108	H
2	* 5.35	44.09	Pk	34.6	-17.3	0	61.39	-	-	74	-12.61	6	108	H
3	* 5.35	32.04	RMS	34.6	-17.3	.09	49.43	54	-4.57	-	-	6	108	H
4	* 5.35	33.17	RMS	34.6	-17.3	.09	50.56	54	-3.44	-	-	6	108	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 T62 (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	* 5.35	40.36	Pk	34.6	-17.3	0	57.66	-	-	74	-16.34	351	113	V
3	* 5.35	33.01	RMS	34.6	-17.3	.09	50.4	54	-3.6	-	-	351	113	V
2	* 5.351	45.34	Pk	34.6	-17.3	0	62.64	-	-	74	-11.36	351	113	V
4	* 5.351	33.74	RMS	34.6	-17.3	.09	51.13	54	-2.87	-	-	351	113	V

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

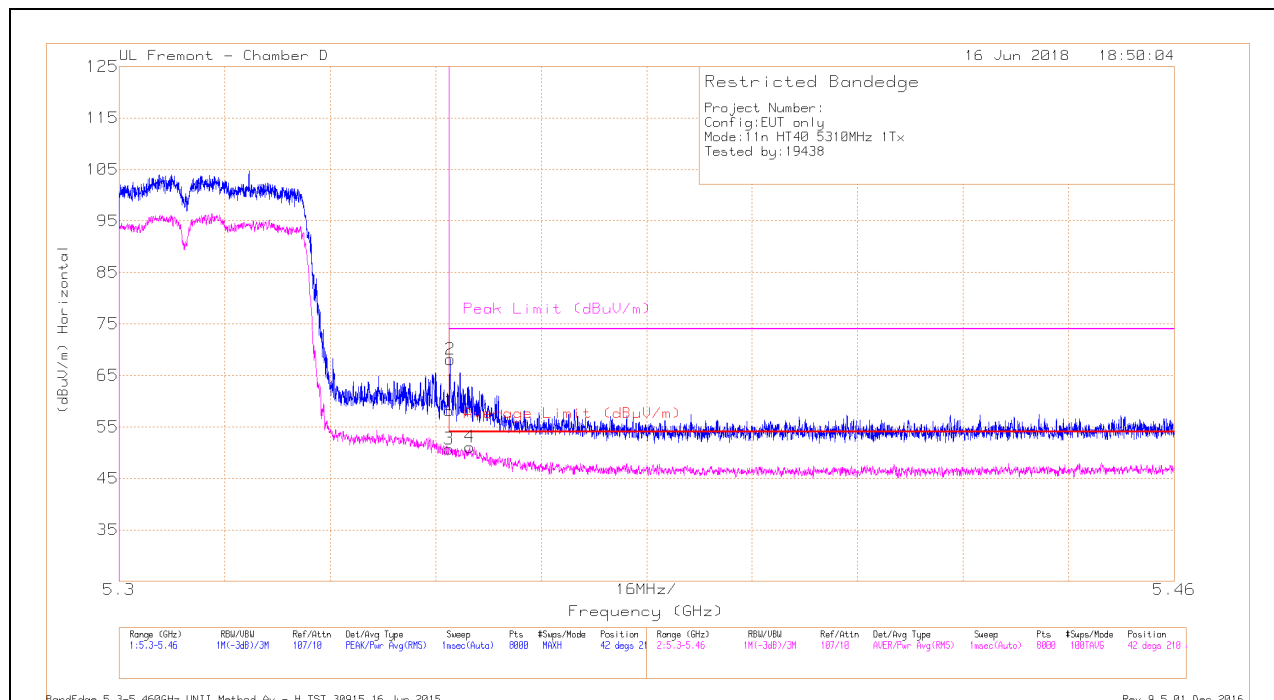
Pk - Peak detector

RMS - RMS detection

1TX Antenna 5 MODE

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



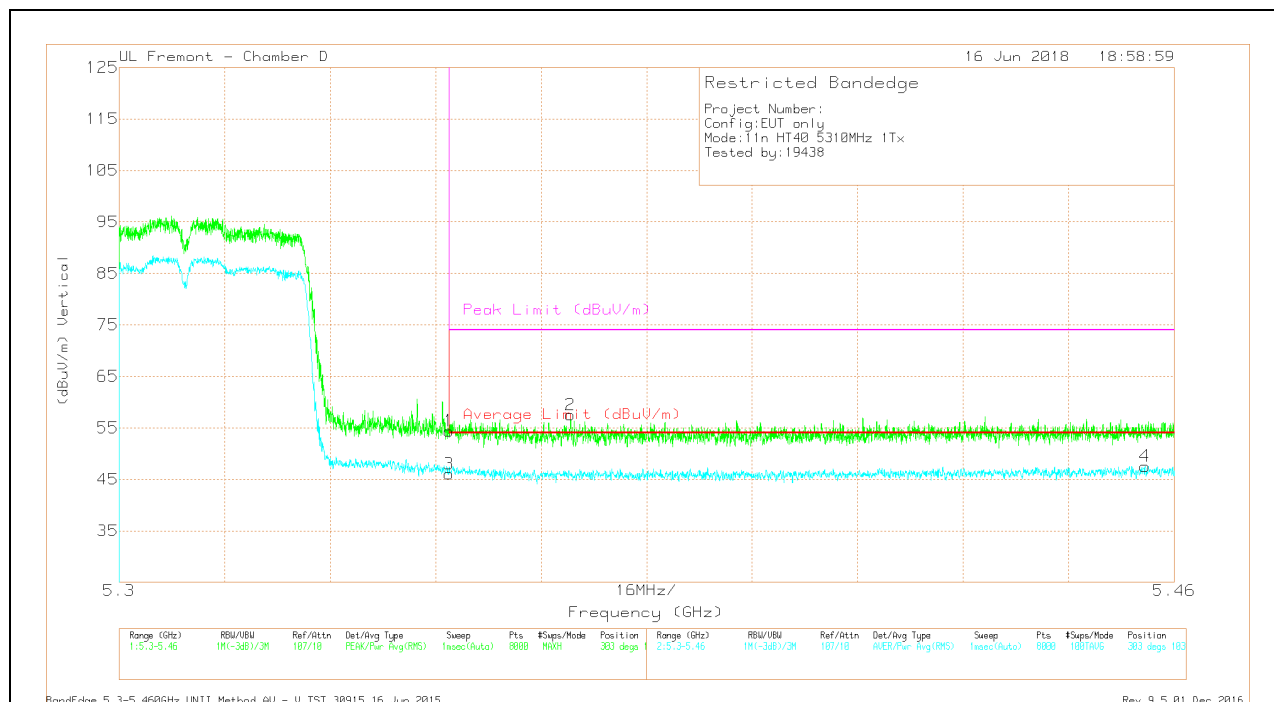
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	41.15	Pk	34.9	-17.9	0	58.15	-	-	74	-15.85	42	210	H
2	* 5.35	51.12	Pk	34.9	-17.9	0	68.12	-	-	74	-5.88	42	210	H
3	* 5.35	33.73	RMS	34.9	-17.9	.09	50.82	54	-3.18	-	-	42	210	H
4	* 5.353	34.2	RMS	34.9	-18	.09	52.0	54	-2.0	-	-	42	210	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 T136 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.4	Pk	34.9	-17.9	0	54.4	-	-	74	-19.6	303	103	V
2	* 5.368	40.62	Pk	34.9	-18	0	57.52	-	-	74	-16.48	303	103	V
3	* 5.35	29.04	RMS	34.9	-17.9	.09	46.04	54	-7.96	-	-	303	103	V
4	* 5.456	30.24	RMS	34.9	-17.6	.09	47.54	54	-6.46	-	-	303	103	V

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

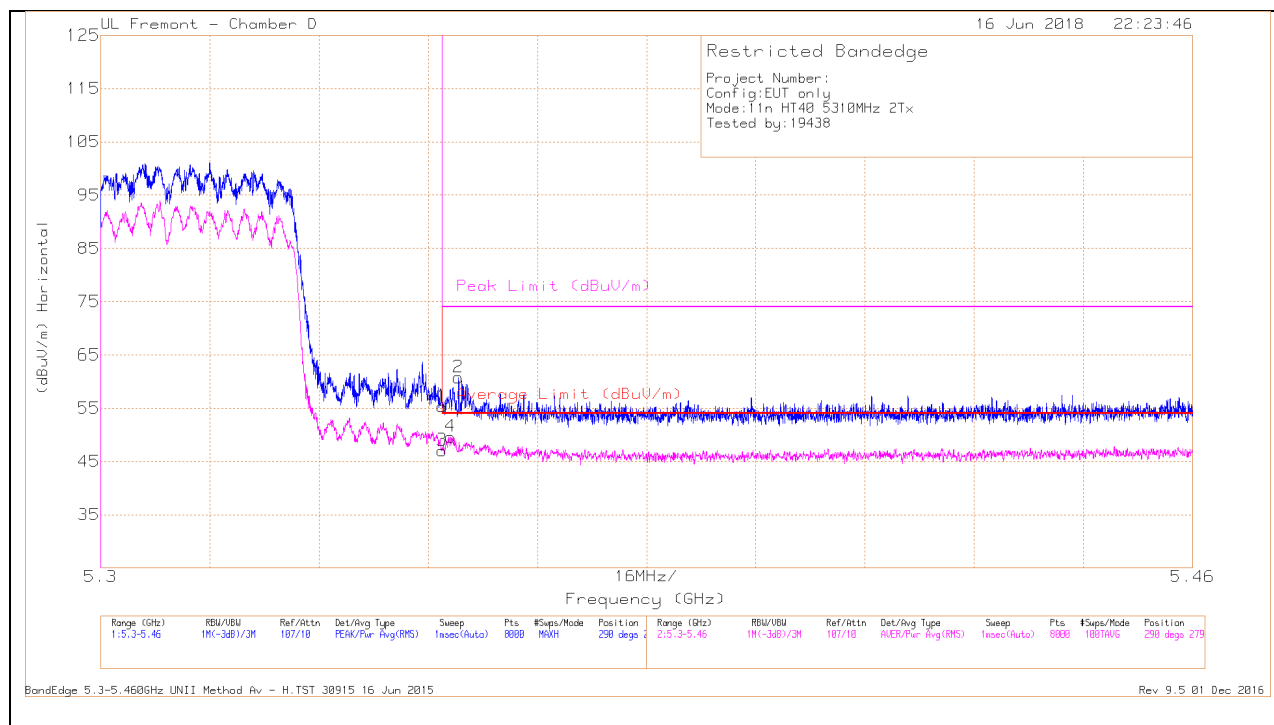
Pk - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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
1	* 5.35	38.39	Pk	34.9	-17.9	0	55.39	-	-	74	-18.61	290	279	H
3	* 5.35	30.07	RMS	34.9	-17.9	.09	47.16	54	-6.84	-	-	290	279	H
4	* 5.351	32.65	RMS	34.9	-17.9	.09	49.74	54	-4.26	-	-	290	279	H
2	* 5.352	43.78	Pk	34.9	-17.9	0	60.78	-	-	74	-13.22	290	279	H

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

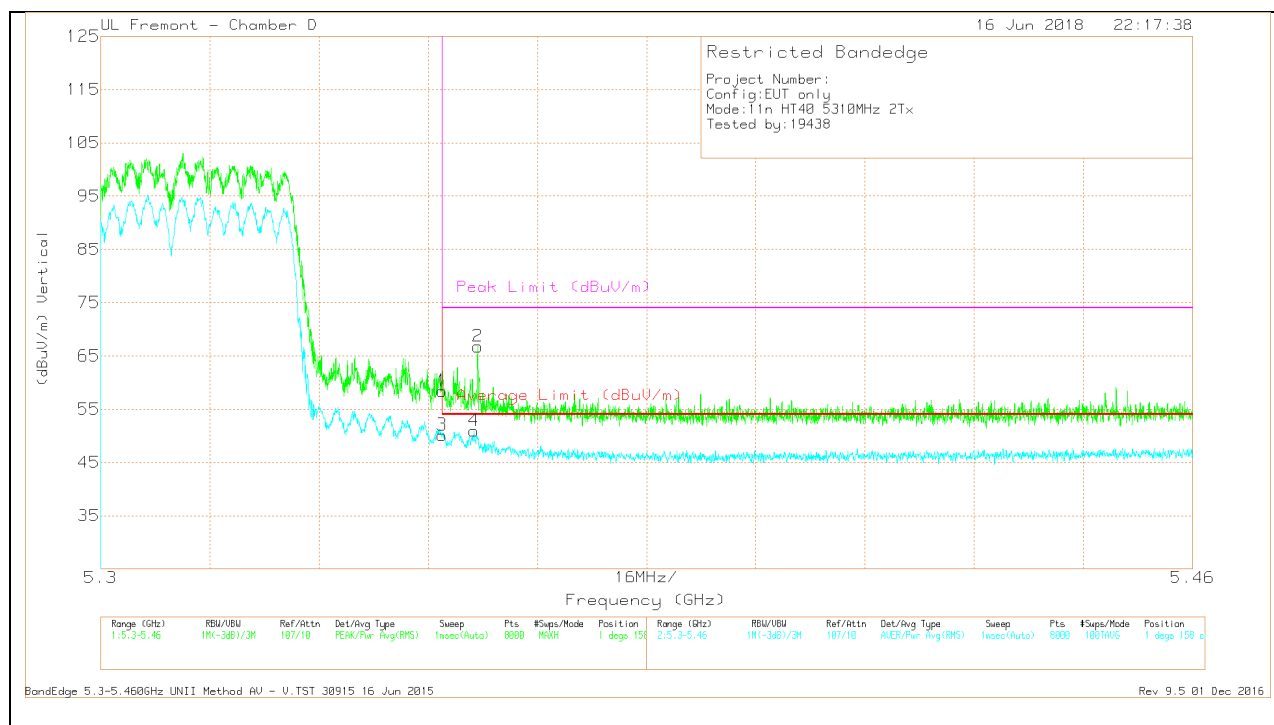
Pk - Peak detector

RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method Av - H.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cb I/Filtr/P ad (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	* 5.35	41.41	Pk	34.9	-17.9	0	58.41	-	-	74	-15.59	1	158	V
3	* 5.35	33.12	RMS	34.9	-17.9	.09	50.21	54	-3.79	-	-	1	158	V
2	* 5.355	49.88	Pk	34.9	-18	0	66.78	-	-	74	-7.22	1	158	V
4	* 5.355	34.01	RMS	34.9	-18	.09	51.00	54	-3.00	-	-	1	158	V

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

Pk - Peak detector

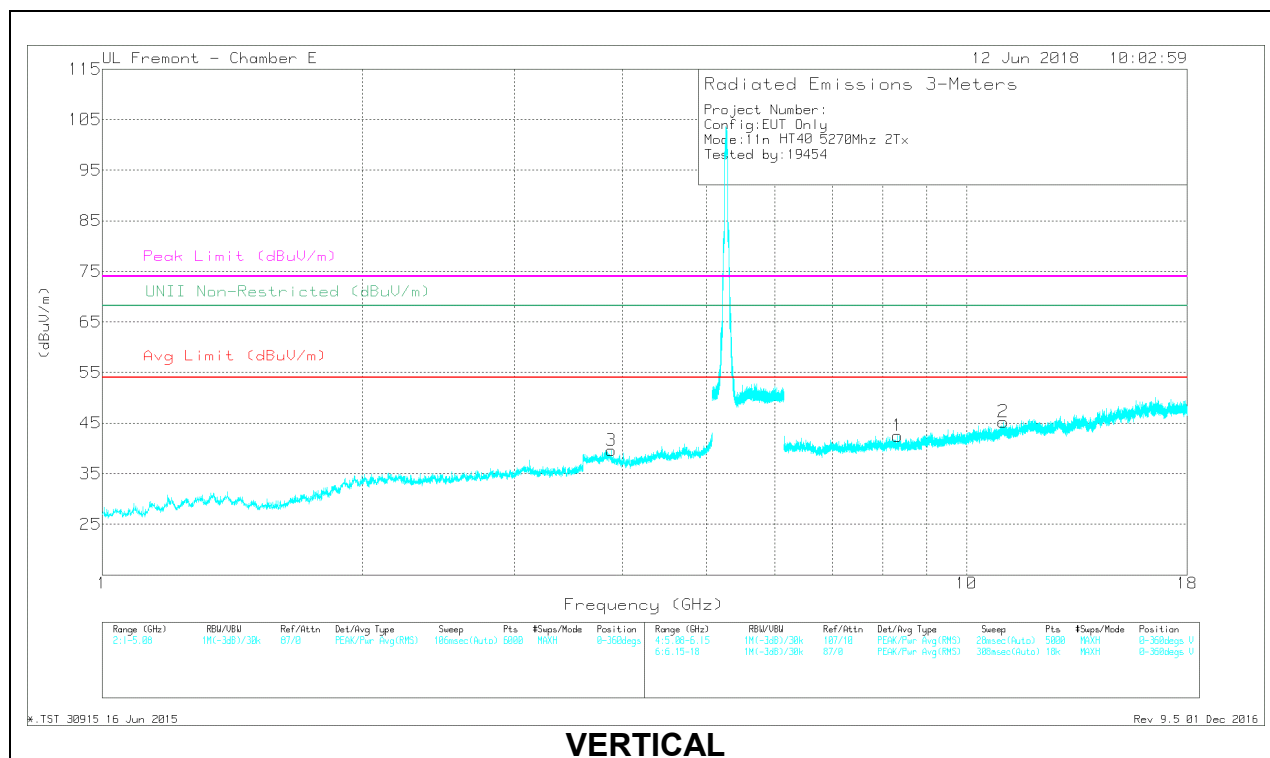
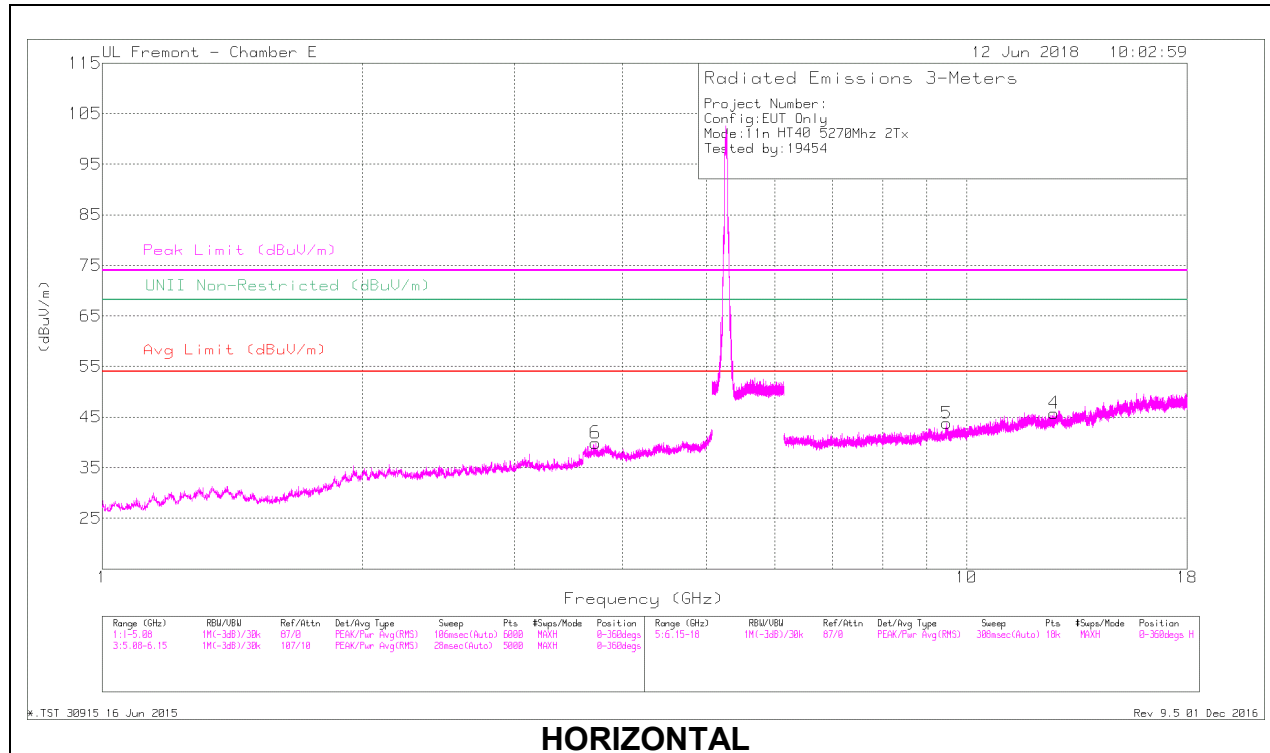
RMS - RMS detection

BandEdge 5.3-5.460GHz UNII Method AV - V.TST 30915 16 Jun 2015

Rev 9.5 01 Dec 2016

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

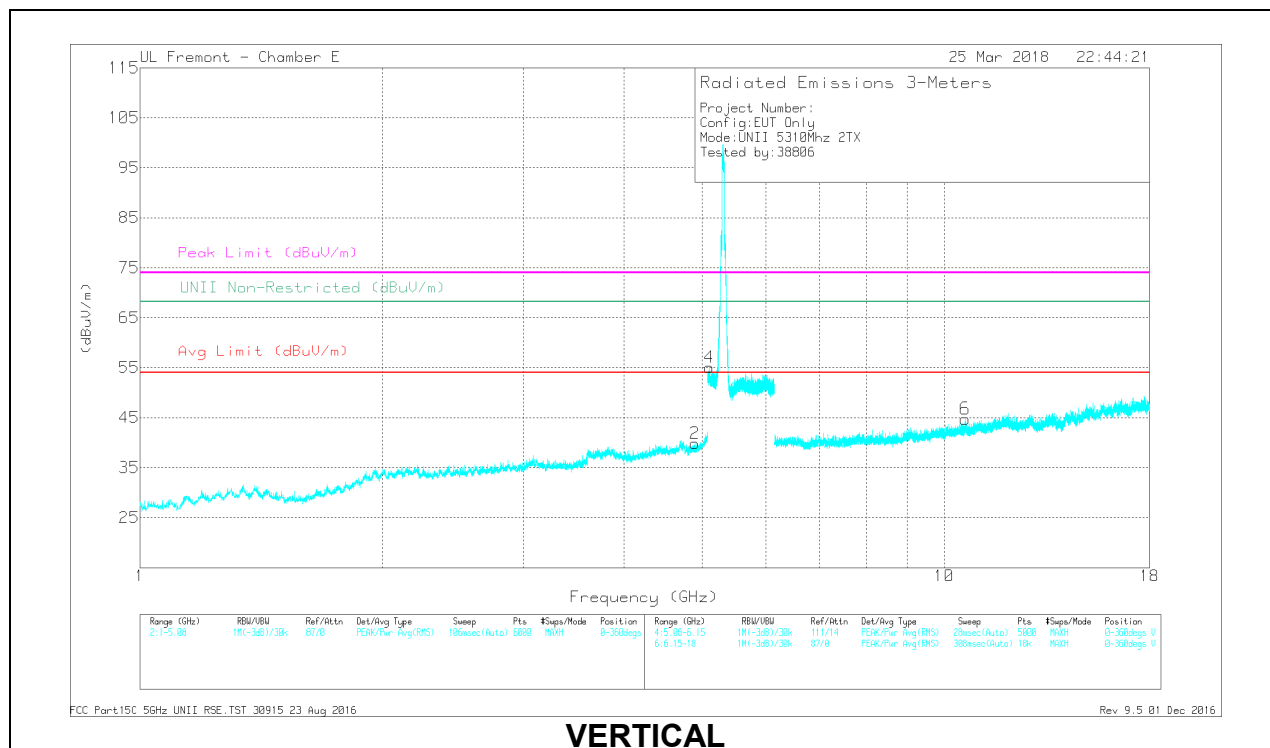
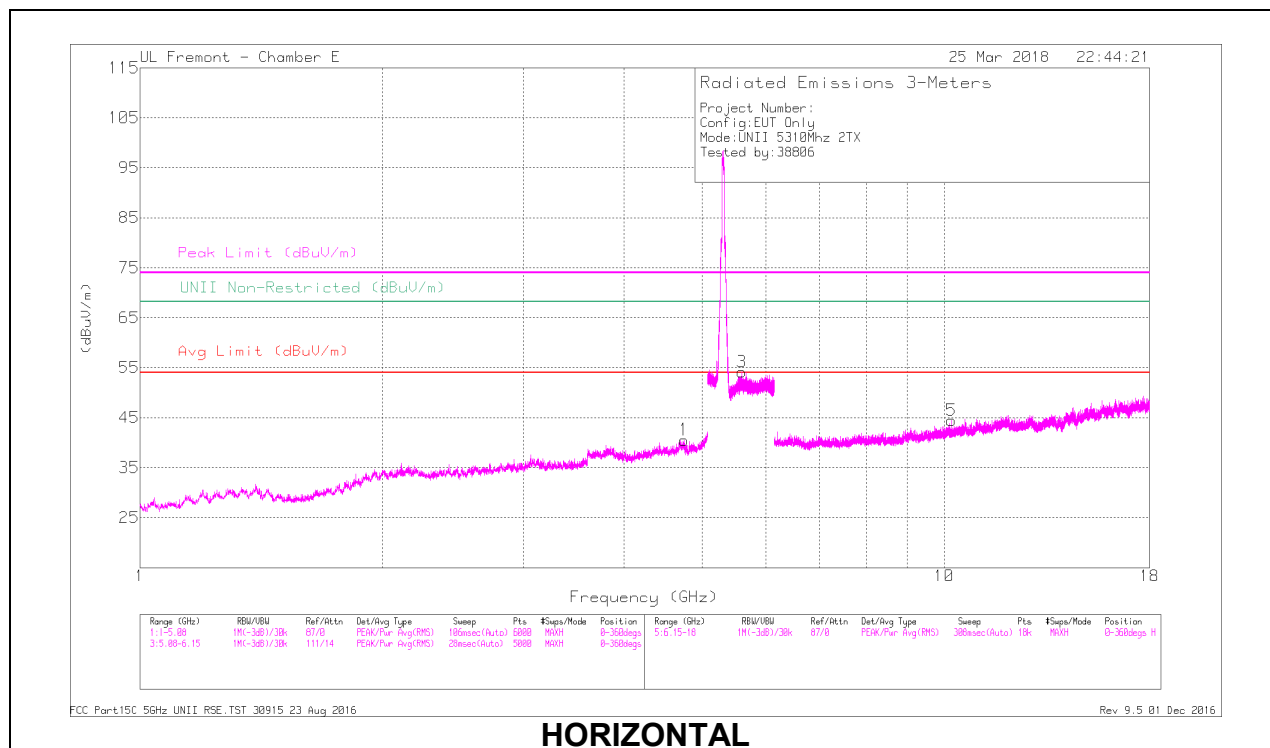
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 3.724	42.28	PK-U	33.6	-30.6	-	45.28	-	-	74	-28.72	-	-	154	297	H
	* 3.724	29.89	ADR	33.6	-30.6	0.09	32.98	54	-21.11	-	-	-	-	154	297	H
3	* 3.887	41.6	PK-U	33.7	-29.7	-	45.6	-	-	74	-28.4	-	-	238	270	V
	* 3.885	29.38	ADR	33.7	-29.6	0.09	33.57	54	-20.43	-	-	-	-	238	270	V
4	* 12.625	36.17	PK-U	39.2	-24.8	-	50.57	-	-	74	-23.43	-	-	232	355	H
	* 12.624	24.09	ADR	39.2	-24.8	0.09	38.58	54	-15.42	-	-	-	-	232	355	H
5	* 9.483	37.26	PK-U	37.2	-24.4	-	50.06	-	-	74	-23.94	-	-	121	138	H
	* 9.484	23.8	ADR	37.2	-24.4	0.09	36.69	54	-17.31	-	-	-	-	121	138	H
1	* 8.328	38.54	PK-U	36.5	-26.2	-	48.84	-	-	74	-25.16	-	-	223	282	V
	* 8.329	26.04	ADR	36.5	-26.2	0.09	36.43	54	-17.57	-	-	-	-	223	282	V
2	* 11.028	36	PK-U	38.5	-22.8	-	51.7	-	-	74	-22.3	-	-	141	110	V
	* 11.03	23.24	ADR	38.5	-22.7	0.09	39.13	54	-14.87	-	-	-	-	141	110	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.749	41.74	PK-U	34.4	-28.6	0	47.54	-	-	74	-26.46	-	-	102	274	H
	* 4.747	29.76	ADR	34.4	-28.7	.09	35.55	54	-18.45	-	-	-	-	102	274	H
2	* 4.903	41.34	PK-U	34.5	-29	0	46.84	-	-	74	-27.16	-	-	255	152	V
	* 4.901	29	ADR	34.5	-29	.09	34.59	54	-19.41	-	-	-	-	255	152	V
3	* 5.102	46.64	PK-U	34.7	-18.2	0	63.14	-	-	74	-10.86	-	-	276	118	V
	* 5.102	26.39	ADR	34.7	-18.2	.09	42.98	54	-11.02	-	-	-	-	276	118	V
6	* 10.616	37.34	PK-U	38.1	-23.5	0	51.94	-	-	74	-22.06	-	-	253	118	V
	* 10.618	24.89	ADR	38.1	-23.5	.09	39.58	54	-14.42	-	-	-	-	253	118	V
3	5.601	46.14	PK-U	35	-19.2	0	61.94	-	-	-	-	68.2	-6.26	125	227	H
5	10.207	36.82	PK-U	37.5	-23.6	0	50.72	-	-	-	-	68.2	-17.48	207	110	H

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

PK-U - U-NII: Maximum Peak

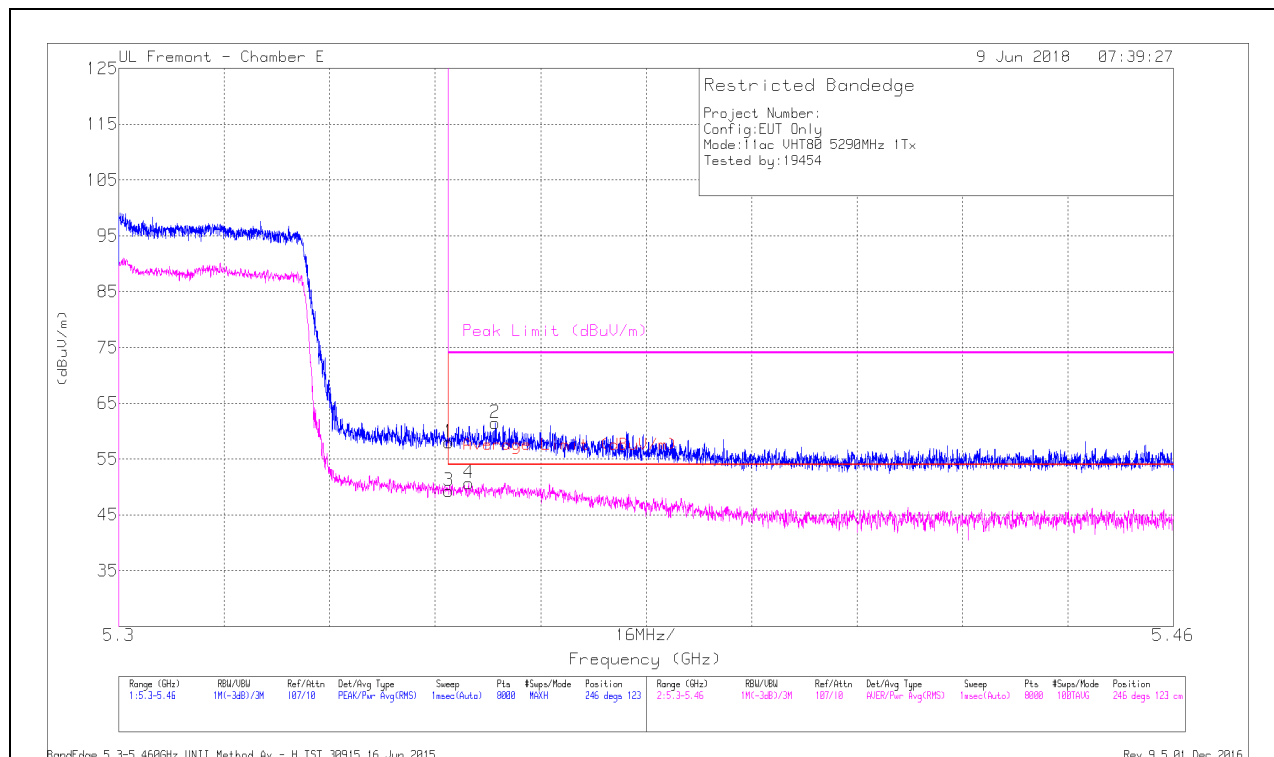
ADR - U-NII AD primary method, RMS average

9.1.6. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



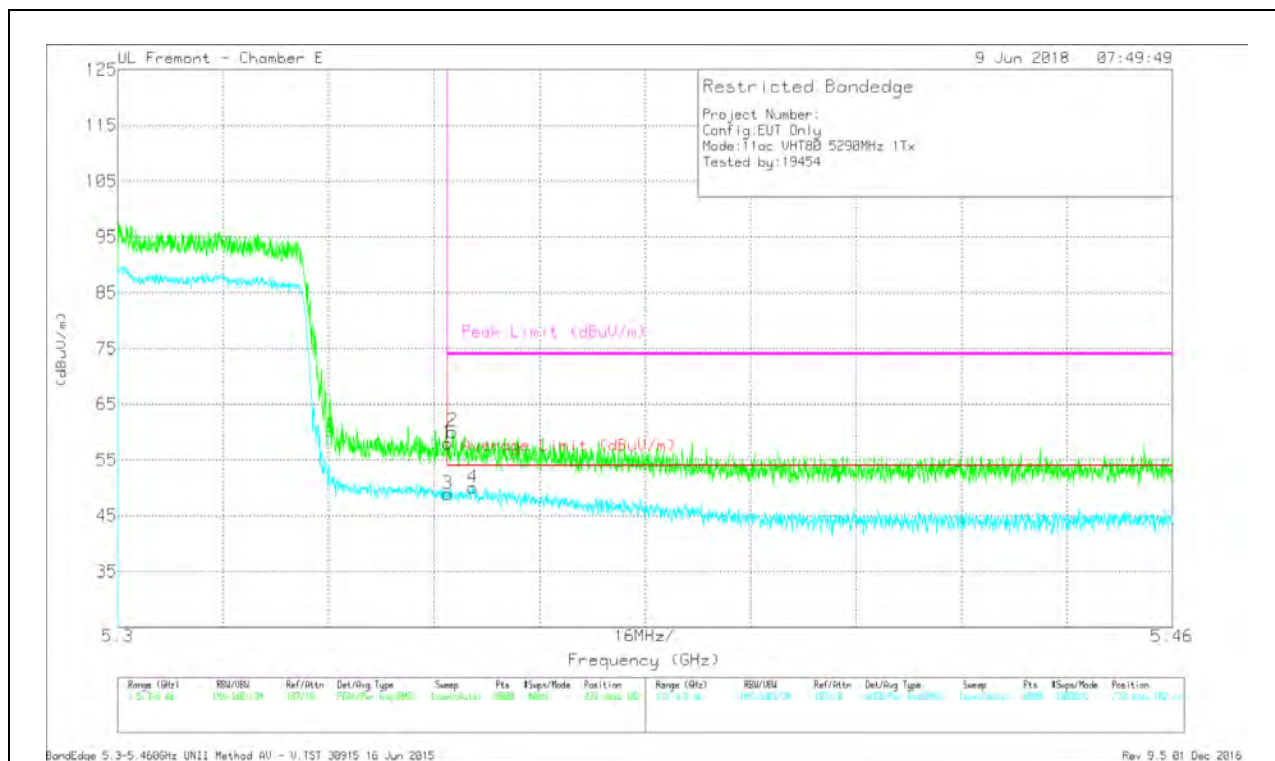
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.87	Pk	35	-19.9	0	57.97	-	-	74	-16.03	246	123	H
2	* 5.357	46.31	Pk	35	-19.9	0	61.41	-	-	74	-12.59	246	123	H
3	* 5.35	34.24	RMS	35	-19.9	.20	49.54	54	-4.46	-	-	246	123	H
4	* 5.353	35.59	RMS	35	-19.9	.20	50.89	54	-3.11	-	-	246	123	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 T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.85	Pk	35	-19.9	0	57.95	-	-	74	-16.05	233	102	V
3	* 5.35	33.85	RMS	35	-19.9	.20	49.13	54	-4.85	-	-	233	102	V
2	* 5.351	45.06	Pk	35	-19.9	0	60.16	-	-	74	-13.84	233	102	V
4	* 5.354	34.89	RMS	35	-19.9	.20	50.19	54	-3.81	-	-	233	102	V

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

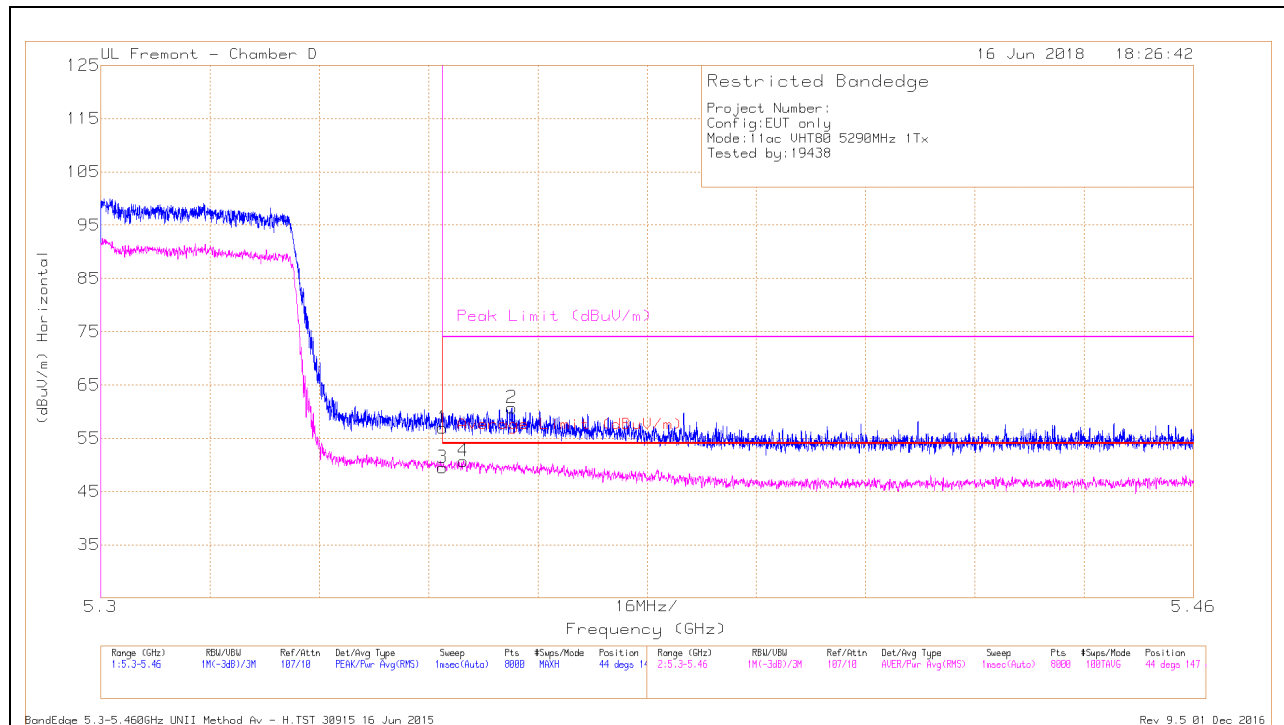
Pk - Peak detector

RMS - RMS detection

1TX Antenna 5 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



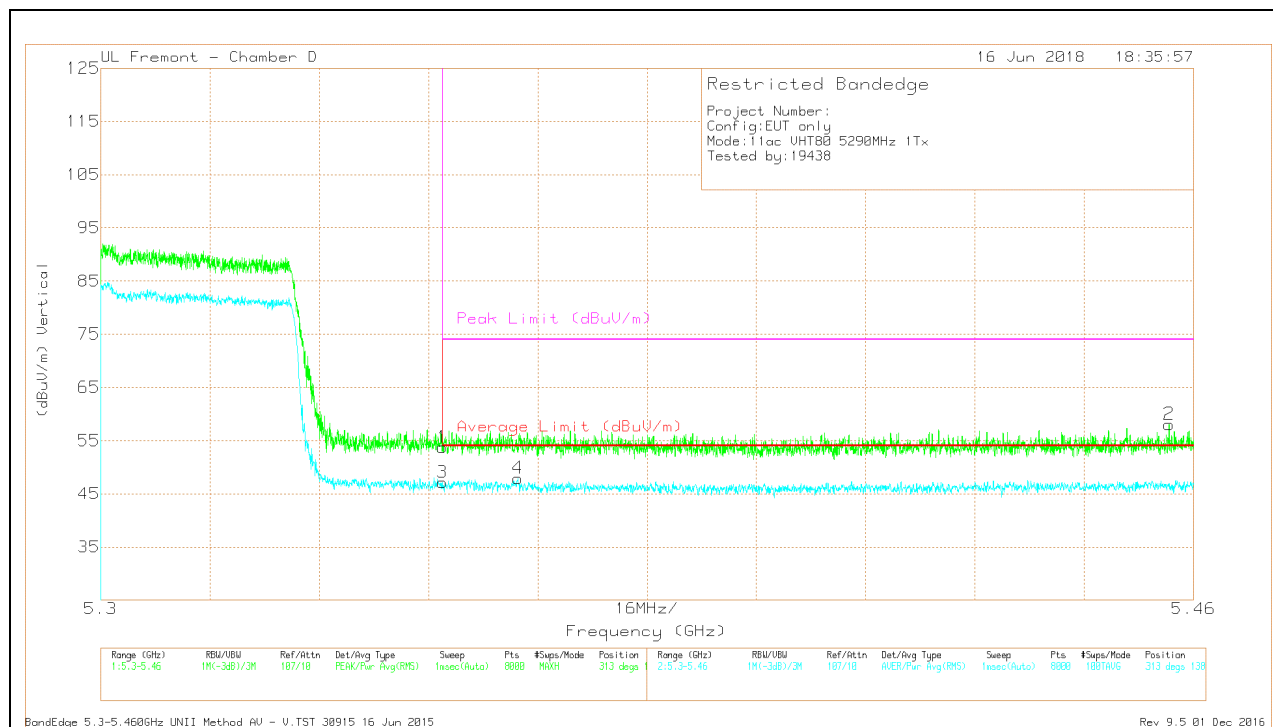
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.94	Pk	34.9	-17.9	0	56.94	-	-	74	-17.06	44	147	H
3	* 5.35	32.51	RMS	34.9	-17.9	.20	49.71	54	-4.29	-	-	44	147	H
4	* 5.353	33.83	RMS	34.9	-18	.20	50.93	54	-3.07	-	-	44	147	H
2	* 5.36	43.83	Pk	34.9	-18	0	60.73	-	-	74	-13.27	44	147	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

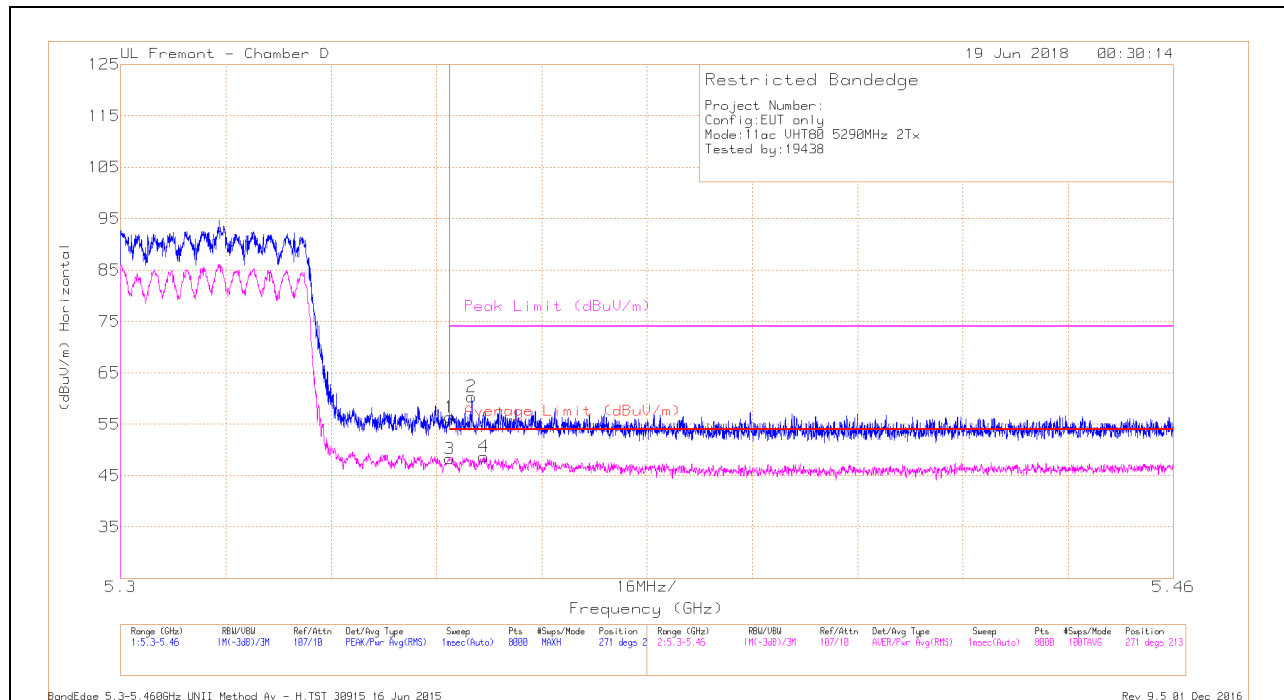


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.72	Pk	34.9	-17.9	0	53.72	-	-	74	-20.28	313	138	V
3	* 5.35	30.12	RMS	34.9	-17.9	.20	47.32	54	-6.68	-	-	313	138	V
4	* 5.361	31.02	RMS	34.9	-18	.20	48.12	54	-5.88	-	-	313	138	V
2	* 5.456	40.77	Pk	34.9	-17.6	0	58.07	-	-	74	-15.93	313	138	V

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

Pk - Peak detector

RMS - RMS detection

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

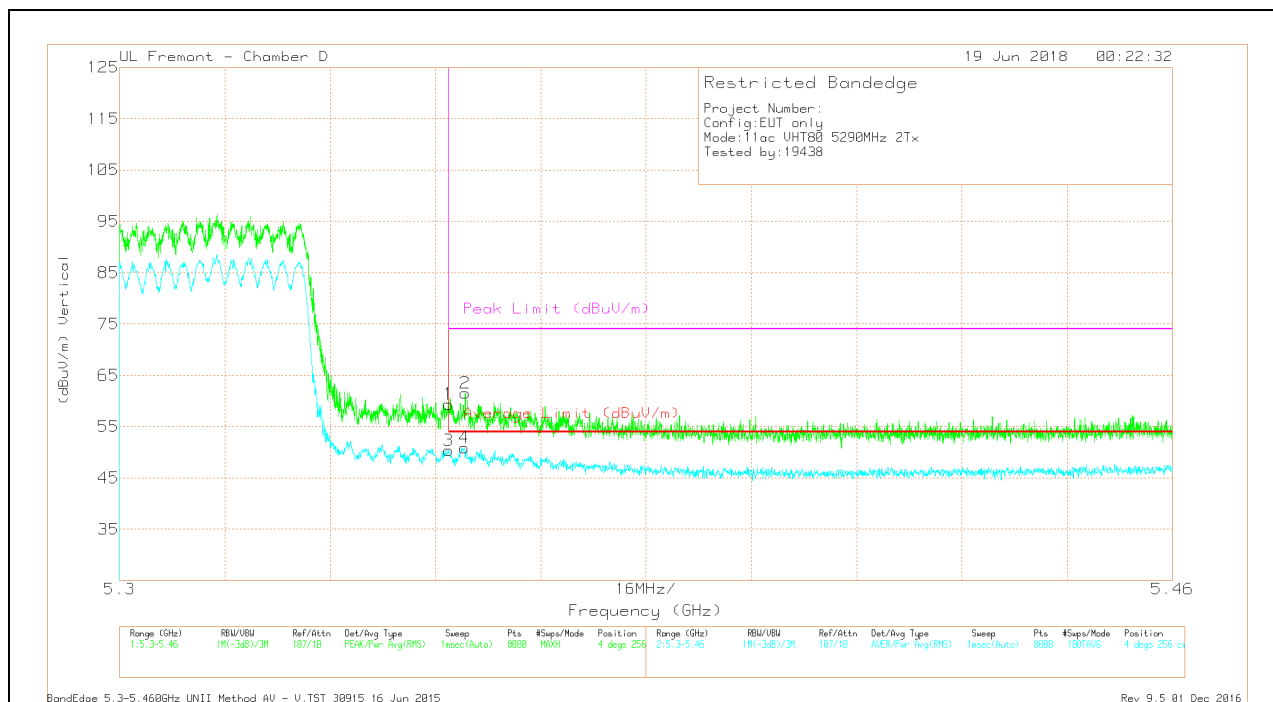
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.4	Pk	34.9	-17.9	0	56.4	-	-	74	-17.6	271	213	H
3	* 5.35	31.29	RMS	34.9	-17.9	.20	48.49	54	-5.51	-	-	271	213	H
2	* 5.353	43.46	Pk	34.9	-18	0	60.36	-	-	74	-13.64	271	213	H
4	* 5.355	31.81	RMS	34.9	-18	.20	49.02	54	-4.98	-	-	271	213	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 T136 (dB/m)	Amp/Cbl/Filt/P ad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.38	Pk	34.9	-17.9	0	59.38	-	-	74	-14.62	4	256	V
3	* 5.35	33.34	RMS	34.9	-17.9	.20	50.54	54	-3.46	-	-	4	256	V
4	* 5.352	33.91	RMS	34.9	-17.9	.20	51.11	54	-2.99	-	-	4	256	V
2	* 5.353	44.63	Pk	34.9	-18	0	61.53	-	-	74	-12.47	4	256	V

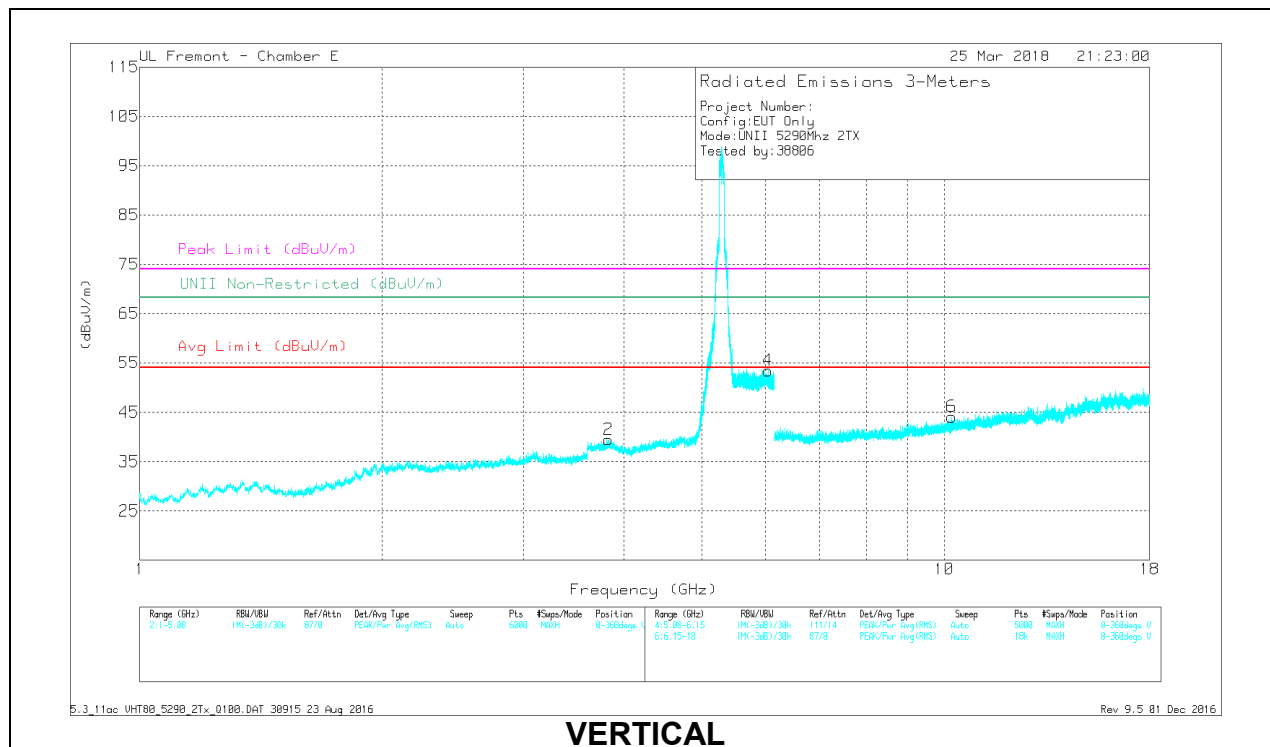
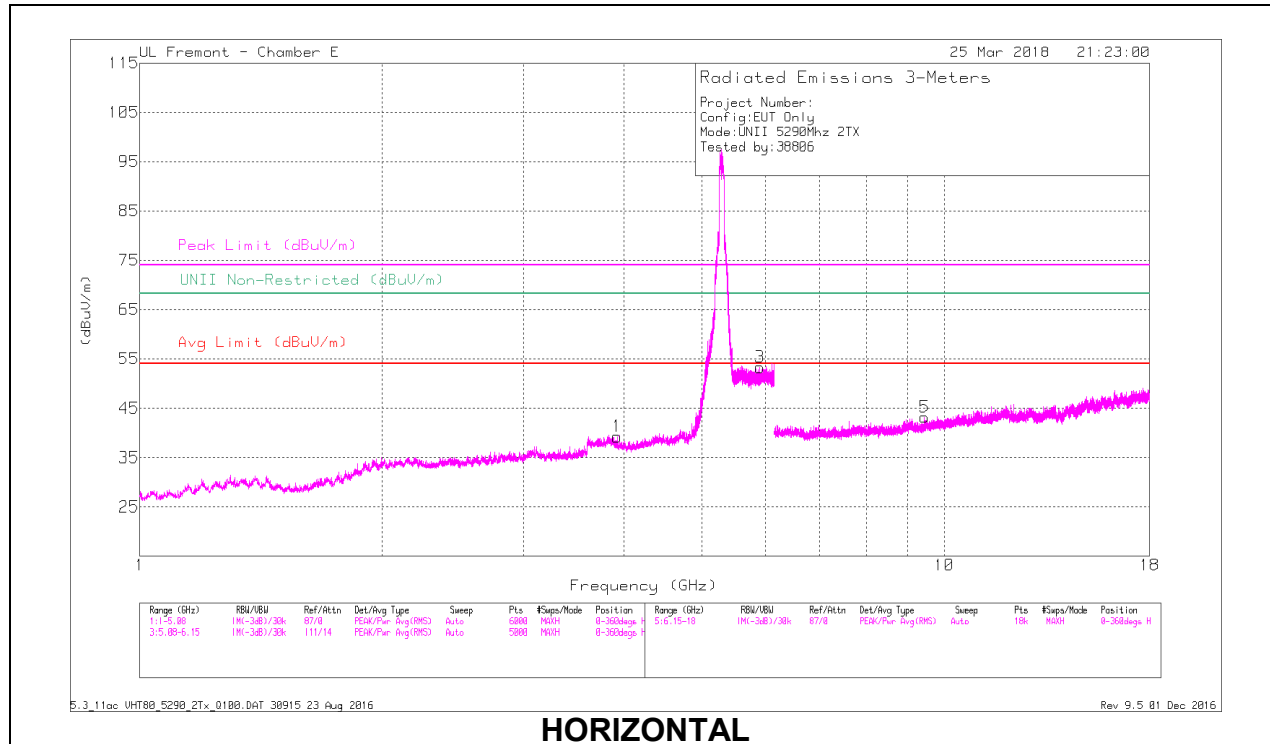
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.923	42.2	PK-U	33.7	-30.5	0	45.4	-	-	74	-28.6	-	-	57	167	H
	* 3.923	30.34	ADR	33.7	-30.5	.2	33.74	54	-20.26	-	-	-	-	57	167	H
2	* 3.824	41.65	PK-U	33.7	-29	0	46.35	-	-	74	-27.65	-	-	31	101	V
	* 3.825	29.06	ADR	33.7	-29	.2	33.96	54	-20.04	-	-	-	-	31	101	V
5	* 9.451	37.01	PK-U	37.2	-24.8	0	49.41	-	-	74	-24.59	-	-	250	119	H
	* 9.451	24.52	ADR	37.2	-24.8	.2	37.12	54	-16.88	-	-	-	-	250	119	H
3	5.898	44.93	PK-U	35.2	-18.9	0	61.23	-	-	-	-	68.2	-6.97	56	106	H
4	6.039	44.82	PK-U	35.4	-18.3	0	61.92	-	-	-	-	68.2	-6.28	107	396	V
6	10.218	36	PK-U	37.5	-23.6	0	49.9	-	-	-	-	68.2	-18.3	291	321	V

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

PK-U - U-NII: Maximum Peak

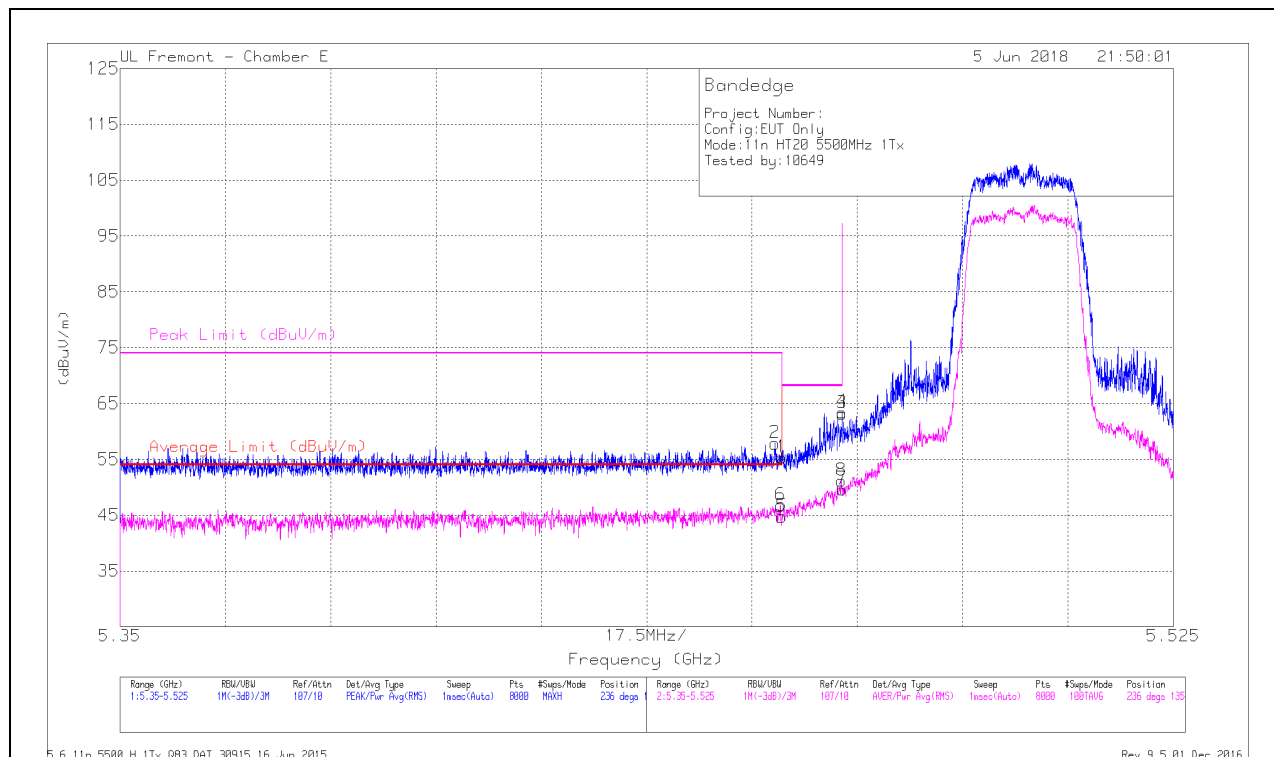
ADR - U-NII AD primary method, RMS average

9.1.7. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



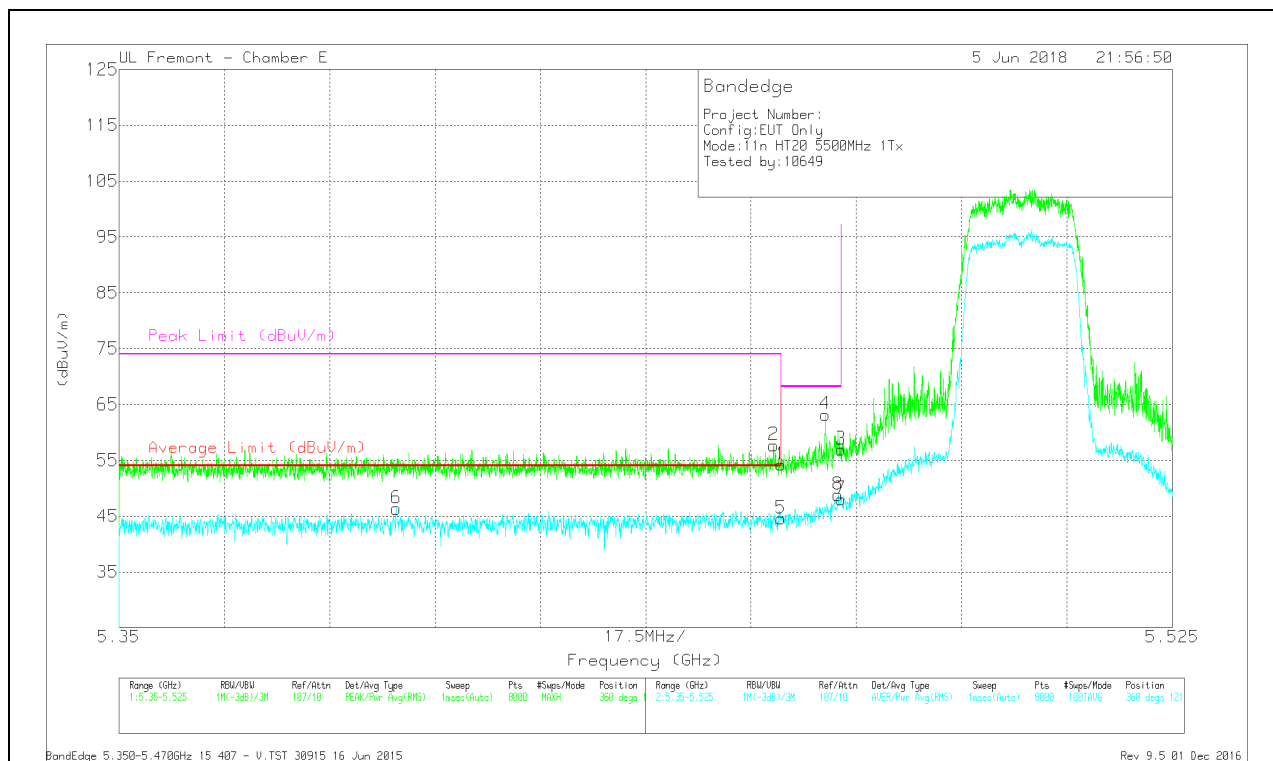
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	40.13	Pk	35.1	-19.9	55.33	-	-	74	-18.67	236	135	H
2	* 5.459	42.65	Pk	35.1	-19.9	57.85	-	-	74	-16.15	236	135	H
5	* 5.46	29.58	RMS	35.1	-19.9	44.78	54	-9.22	-	-	236	135	H
6	* 5.46	31.54	RMS	35.1	-19.9	46.74	54	-7.26	-	-	236	135	H
3	5.47	47.91	Pk	35.1	-19.8	63.21	-	-	68.2	-4.99	236	135	H
4	5.47	48.13	Pk	35.1	-19.8	63.43	-	-	68.2	-4.77	236	135	H
7	5.47	34.32	RMS	35.1	-19.8	49.62	-	-	-	-	236	135	H
8	5.47	35.89	RMS	35.1	-19.8	51.19	-	-	-	-	236	135	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 T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	39.04	Pk	35.1	-19.9	54.24	-	-	74	-19.76	360	121	V
2	* 5.459	42.51	Pk	35.1	-19.9	57.71	-	-	74	-16.29	360	121	V
5	* 5.46	29.37	RMS	35.1	-19.9	44.57	54	-9.43	-	-	360	121	V
6	* 5.396	31.27	RMS	35	-19.9	46.37	54	-7.63	-	-	360	121	V
4	5.467	48.02	Pk	35.1	-19.9	63.22	-	-	68.2	-4.98	360	121	V
8	5.469	33.52	RMS	35.1	-19.8	48.82	-	-	-	-	360	121	V
3	5.47	41.65	Pk	35.1	-19.8	56.95	-	-	68.2	-11.25	360	121	V
7	5.47	32.77	RMS	35.1	-19.8	48.07	-	-	-	-	360	121	V

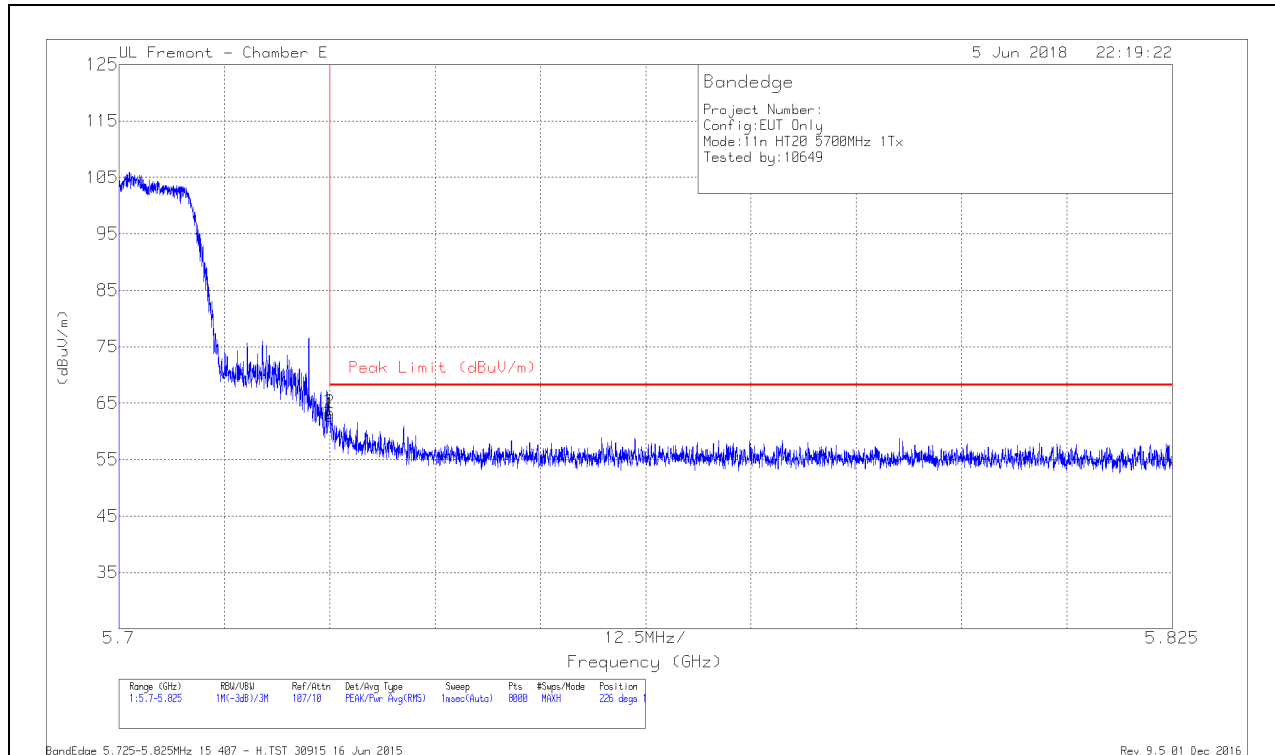
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

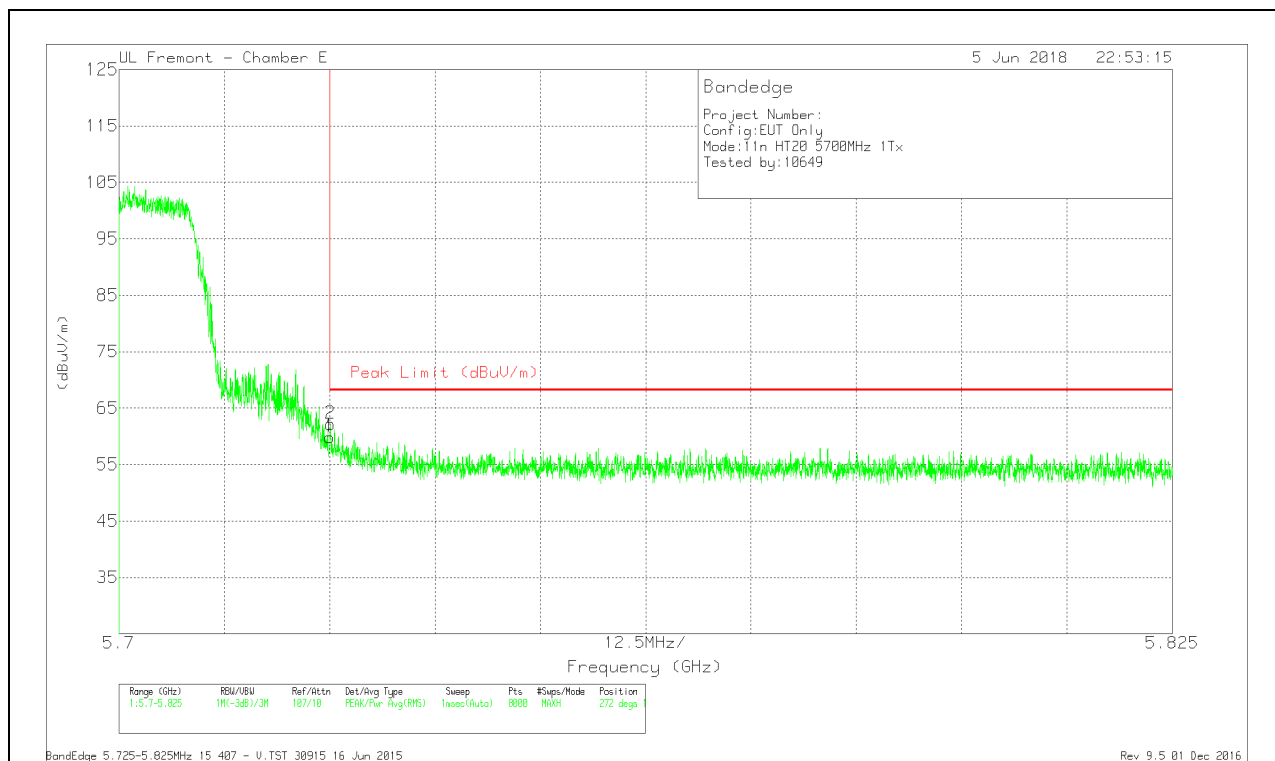
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.07	Pk	35.1	-19.4	62.77	68.2	-5.43	226	106	H
2	5.725	47.55	Pk	35.1	-19.4	63.25	68.2	-4.95	226	106	H

Pk - Peak detector

VERTICAL RESULT



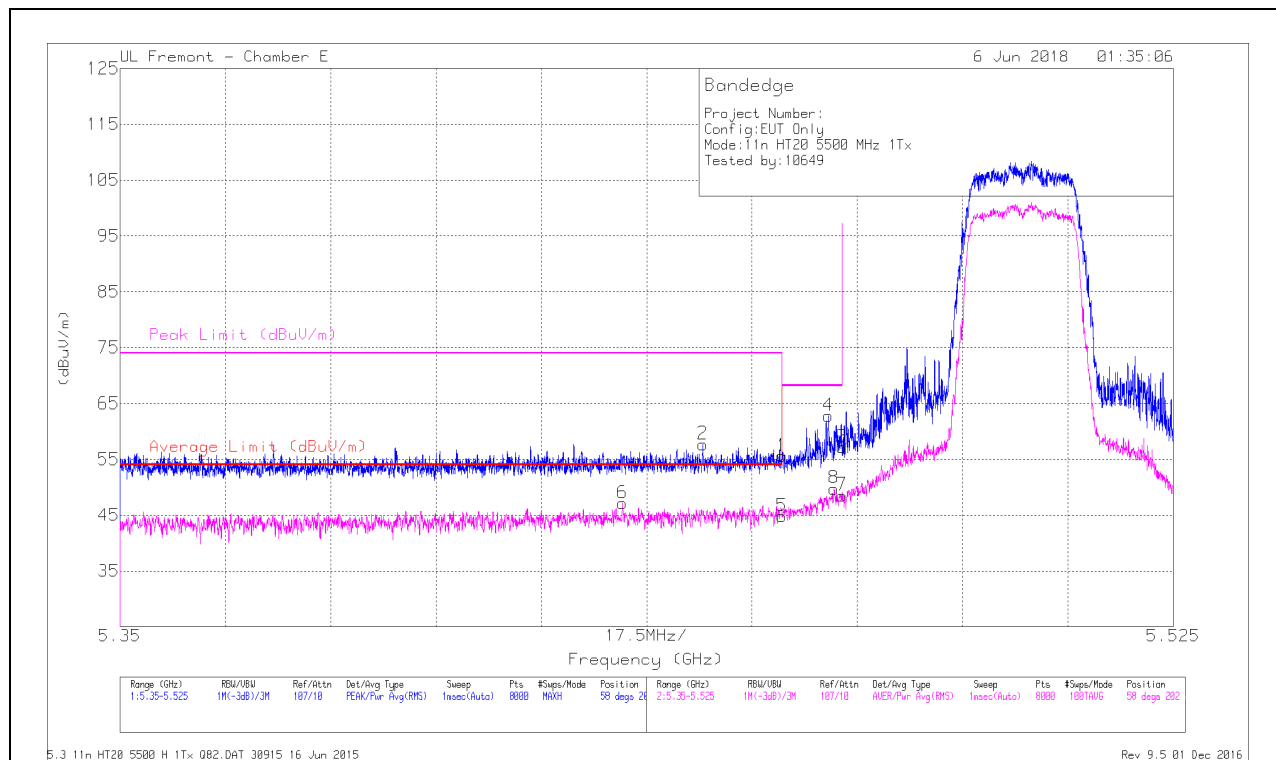
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.2	Pk	35.1	-19.4	59.9	68.2	-8.3	272	107	V
2	5.725	46.5	Pk	35.1	-19.4	62.2	68.2	-6	272	107	V

Pk - Peak detector

1TX Antenna 5 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



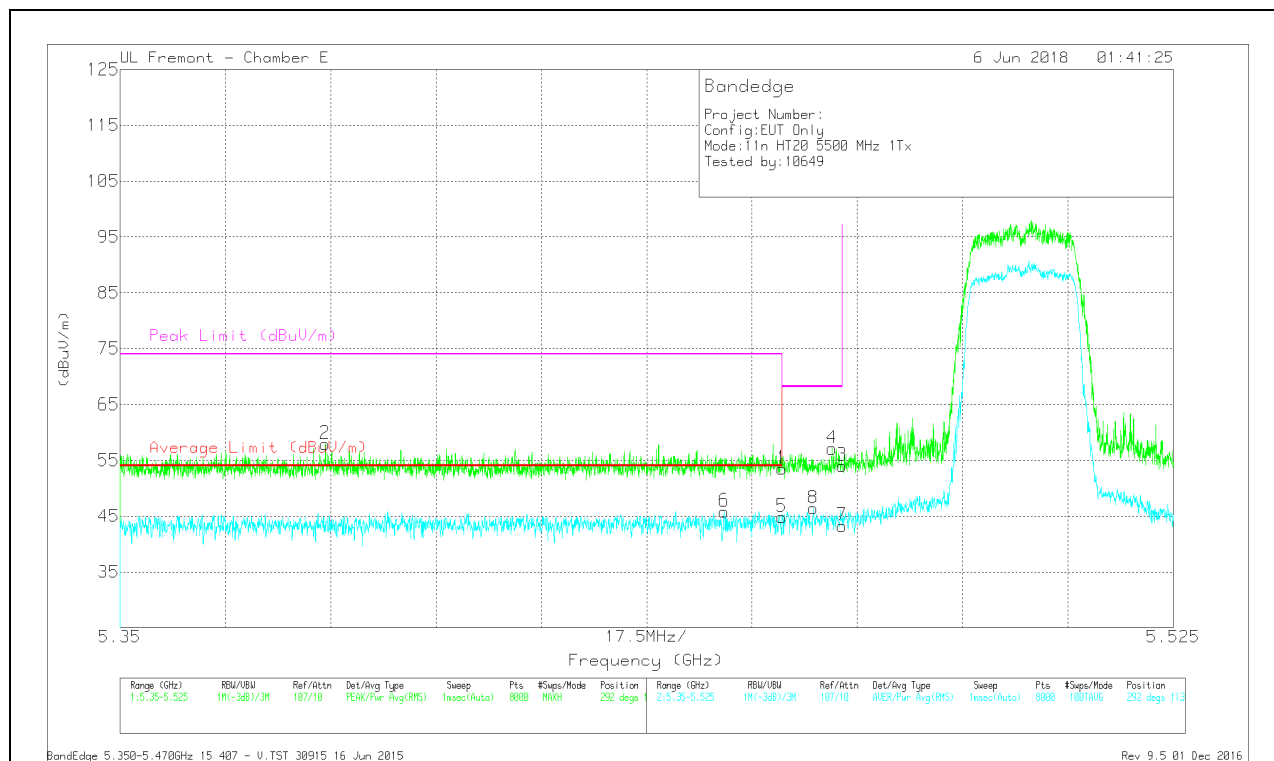
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtri/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	40.39	Pk	35.1	-19.9	55.59	-	-	74	-18.41	58	202	H
2	* 5.447	42.49	Pk	35.1	-19.9	57.69	-	-	74	-16.31	58	202	H
5	* 5.46	29.63	RMS	35.1	-19.9	44.83	54	-9.17	-	-	58	202	H
6	* 5.433	32.04	RMS	35.1	-20	47.14	54	-6.86	-	-	58	202	H
4	5.468	47.57	Pk	35.1	-19.9	62.77	-	-	68.2	-5.43	58	202	H
8	5.469	34.48	RMS	35.1	-19.8	49.78	-	-	-	-	58	202	H
3	5.47	41.84	Pk	35.1	-19.8	57.14	-	-	68.2	-11.06	58	202	H
7	5.47	33.24	RMS	35.1	-19.8	48.54	-	-	-	-	58	202	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 T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.32	Pk	35.1	-19.9	53.52	-	-	74	-20.48	292	113	V
2	* 5.384	42.84	Pk	35	-19.9	57.94	-	-	74	-16.06	292	113	V
5	* 5.46	29.65	RMS	35.1	-19.9	44.85	54	-9.15	-	-	292	113	V
6	* 5.45	30.65	RMS	35.1	-19.9	45.85	54	-8.15	-	-	292	113	V
8	5.465	31.19	RMS	35.1	-19.9	46.39	-	-	-	-	292	113	V
4	5.468	41.92	Pk	35.1	-19.9	57.12	-	-	68.2	-11.08	292	113	V
3	5.47	38.73	Pk	35.1	-19.8	54.03	-	-	68.2	-14.17	292	113	V
7	5.47	28	RMS	35.1	-19.8	43.3	-	-	-	-	292	113	V

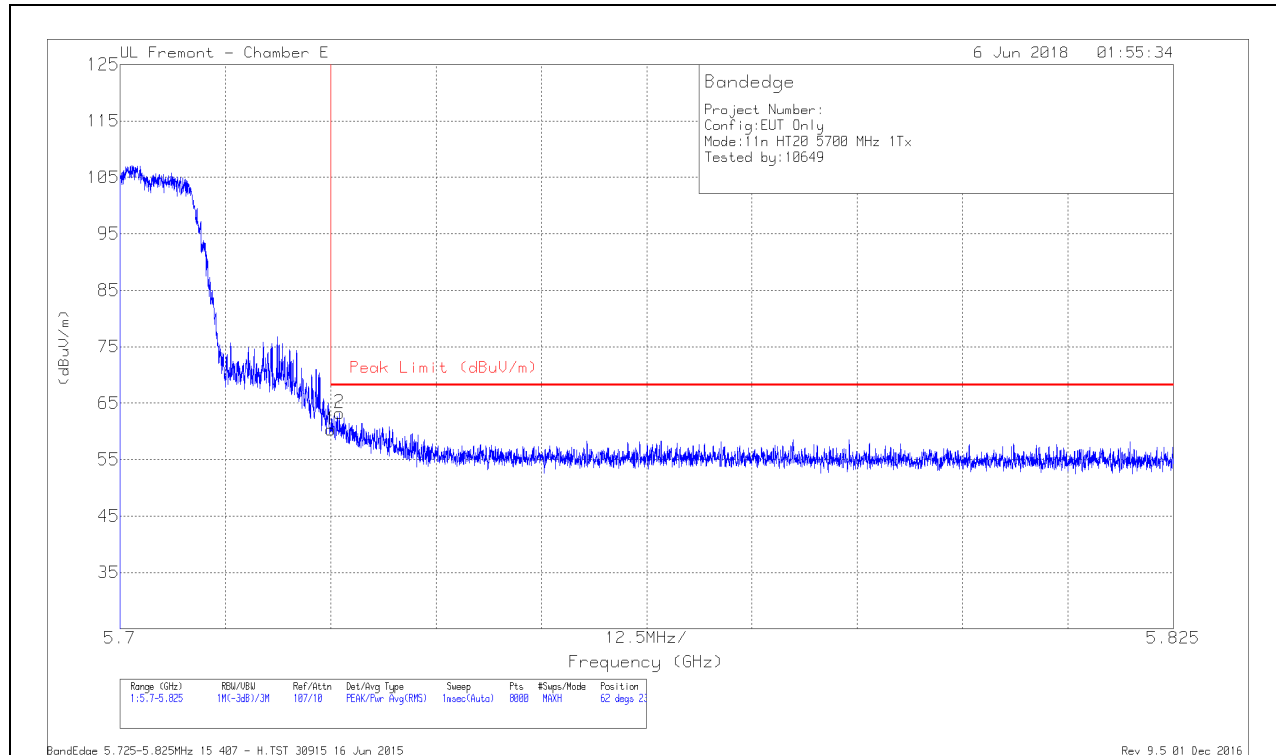
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

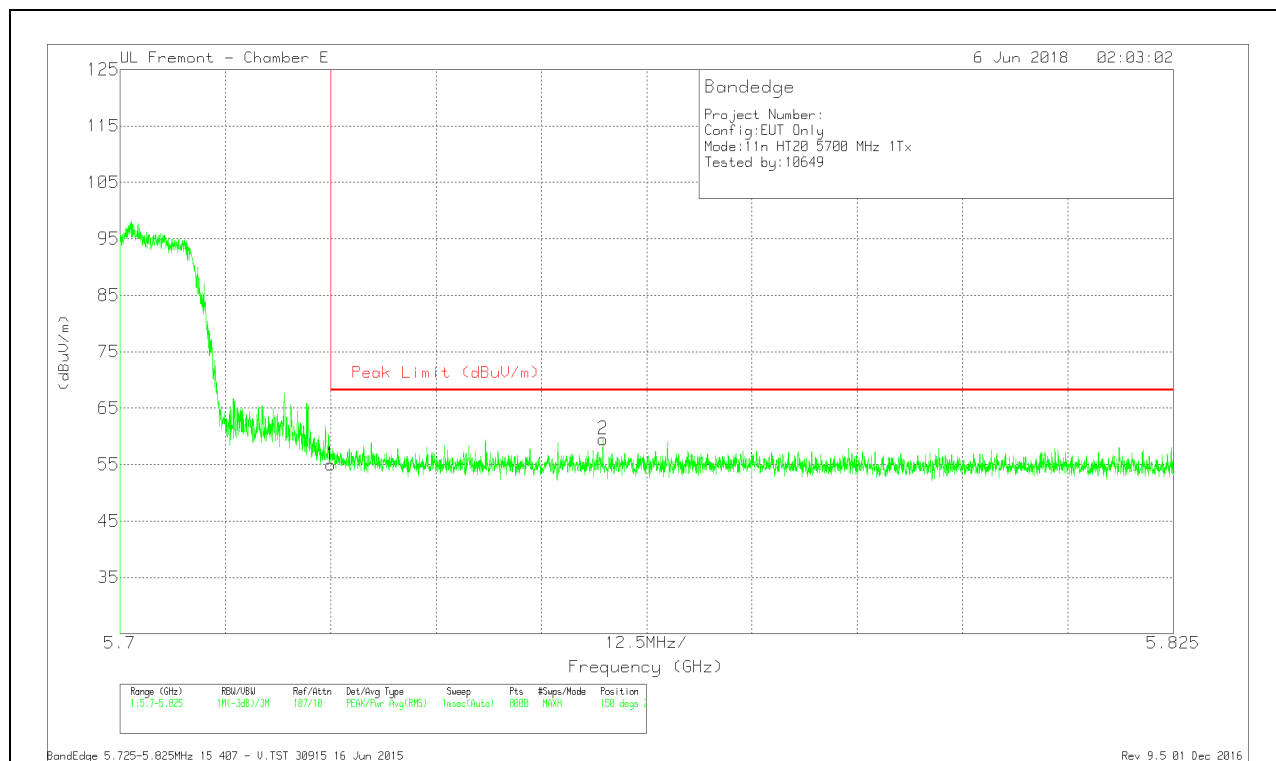
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712(dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.61	Pk	35.1	-19.4	60.31	68.2	-7.89	62	239	H
2	5.726	47.56	Pk	35.1	-19.4	63.26	68.2	-4.94	62	239	H

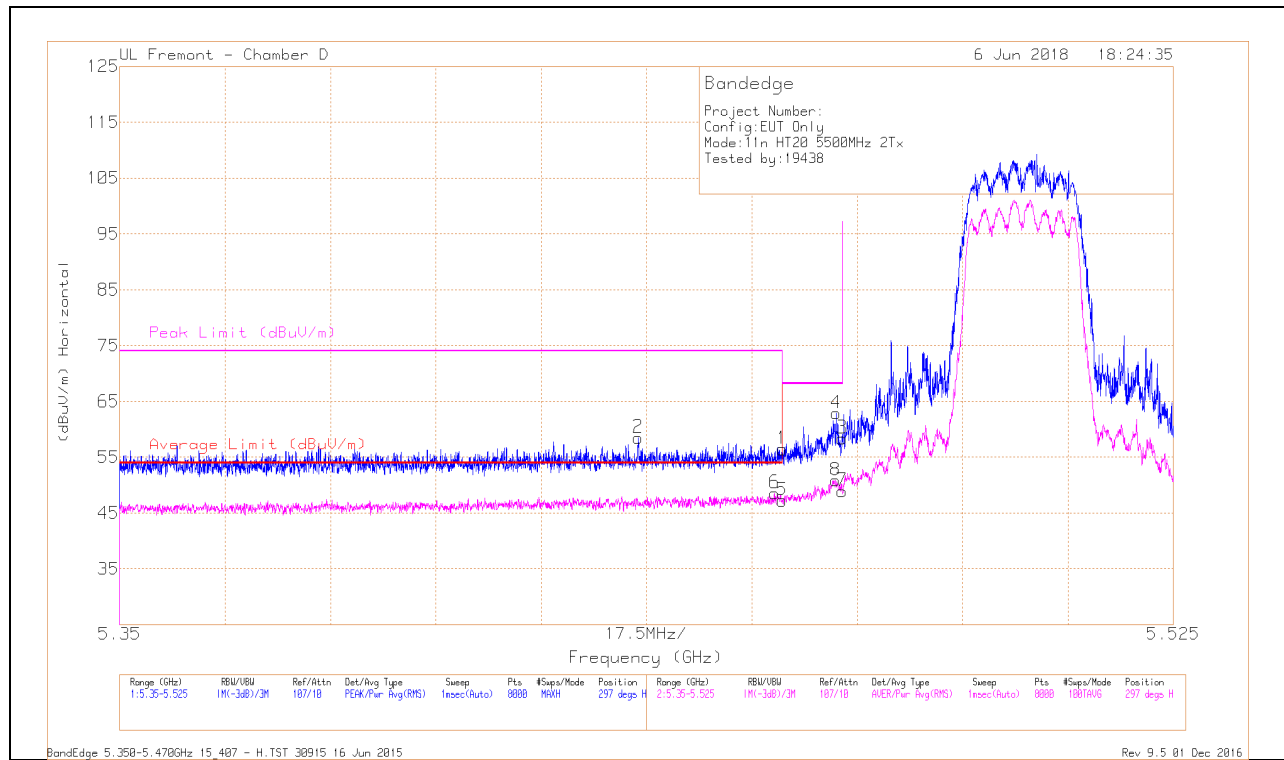
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.32	Pk	35.1	-19.4	55.02	68.2	-13.18	150	237	V
2	5.757	43.49	Pk	35.2	-19.2	59.49	68.2	-8.71	150	237	V

Pk - Peak detector

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

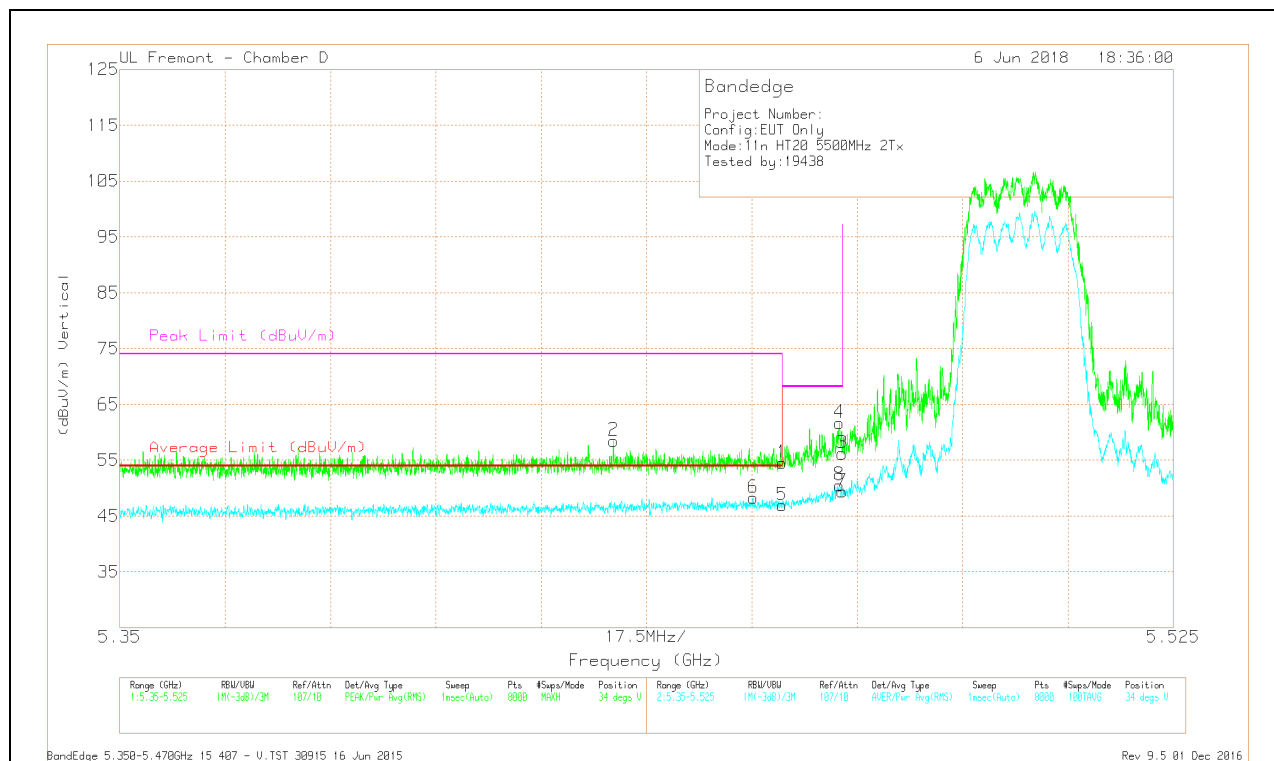
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.436	41.42	Pk	34.9	-17.8	58.52	-	-	74	-15.48	297	292	H
6	* 5.459	31.29	RMS	34.9	-17.6	48.59	54	-5.41	-	-	297	292	H
1	* 5.46	39.07	Pk	34.9	-17.5	56.47	-	-	74	-17.53	297	292	H
5	* 5.46	29.86	RMS	34.9	-17.5	47.26	54	-6.74	-	-	297	292	H
4	5.469	45.5	Pk	34.9	-17.5	62.9	-	-	68.2	-5.3	297	292	H
8	5.469	33.45	RMS	34.9	-17.5	50.85	-	-	-	-	297	292	H
3	5.47	40.99	Pk	34.9	-17.5	58.39	-	-	68.2	-9.81	297	292	H
7	5.47	31.54	RMS	34.9	-17.5	48.94	-	-	-	-	297	292	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 T136 (dB/m)	Amp/Cbl/Filtri/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	* 5.46	37.12	Pk	34.9	-17.5	54.52	-	-	74	-19.48	34	156	V
2	* 5.432	41.32	Pk	34.9	-17.7	58.52	-	-	74	-15.48	34	156	V
5	* 5.46	29.56	RMS	34.9	-17.5	46.96	54	-7.04	-	-	34	156	V
6	* 5.455	31.01	RMS	34.9	-17.6	48.31	54	-5.69	-	-	34	156	V
3	5.47	38.81	Pk	34.9	-17.5	56.21	-	-	68.2	-11.99	34	156	V
4	5.47	44.29	Pk	34.9	-17.5	61.69	-	-	68.2	-6.51	34	156	V
7	5.47	31.96	RMS	34.9	-17.5	49.36	-	-	-	-	34	156	V
8	5.47	33.14	RMS	34.9	-17.5	50.54	-	-	-	-	34	156	V

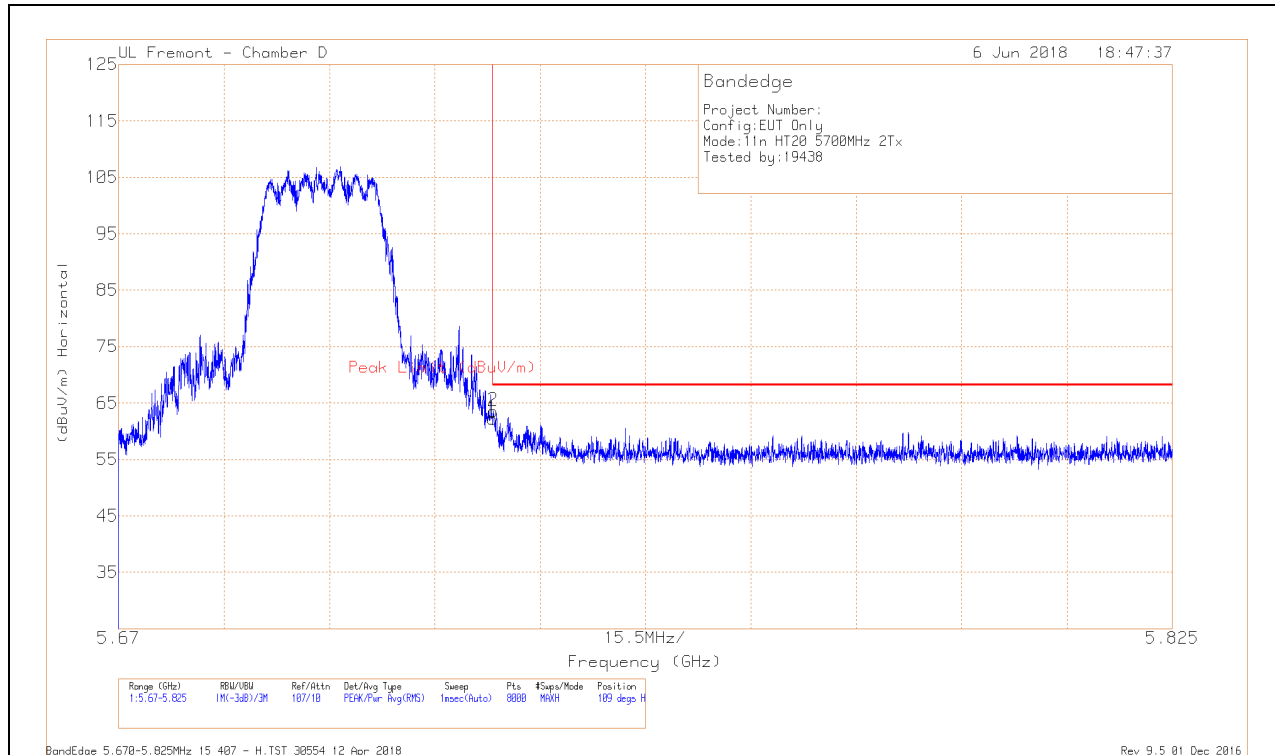
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

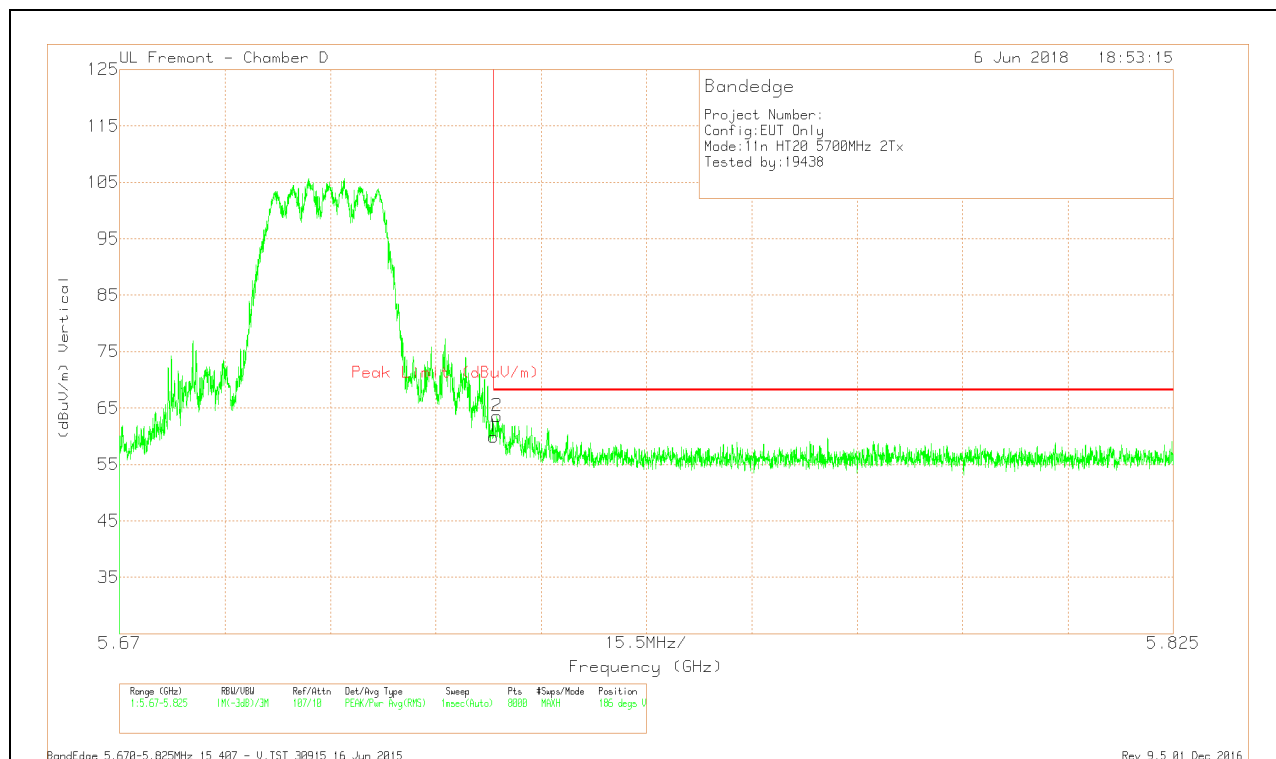
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.76	Pk	35.6	-17.1	62.26	68.2	-5.94	109	185	H
2	5.725	45.1	Pk	35.6	-17.1	63.6	68.2	-4.6	109	185	H

Pk - Peak detector

VERTICAL RESULT

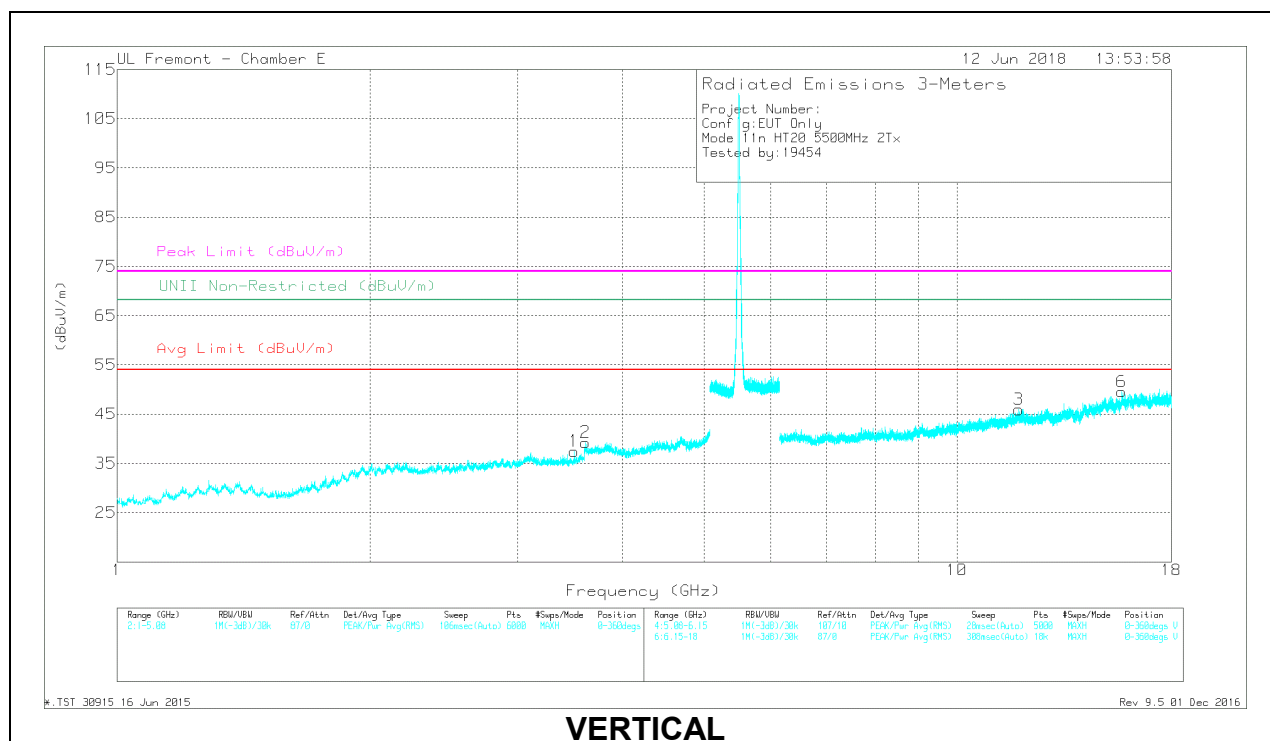
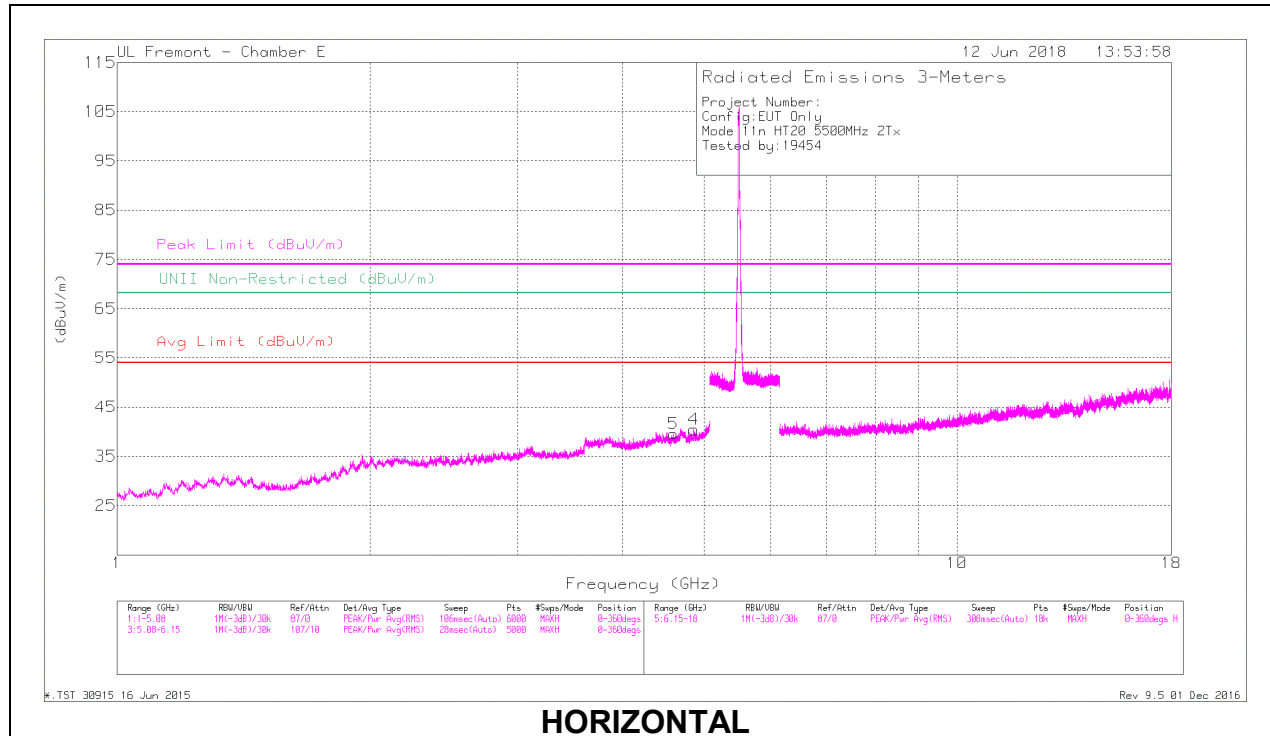


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.4	Pk	35.6	-17.1	59.9	68.2	-8.3	186	276	V
2	5.725	45.05	Pk	35.6	-17.1	63.55	68.2	-4.65	186	276	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

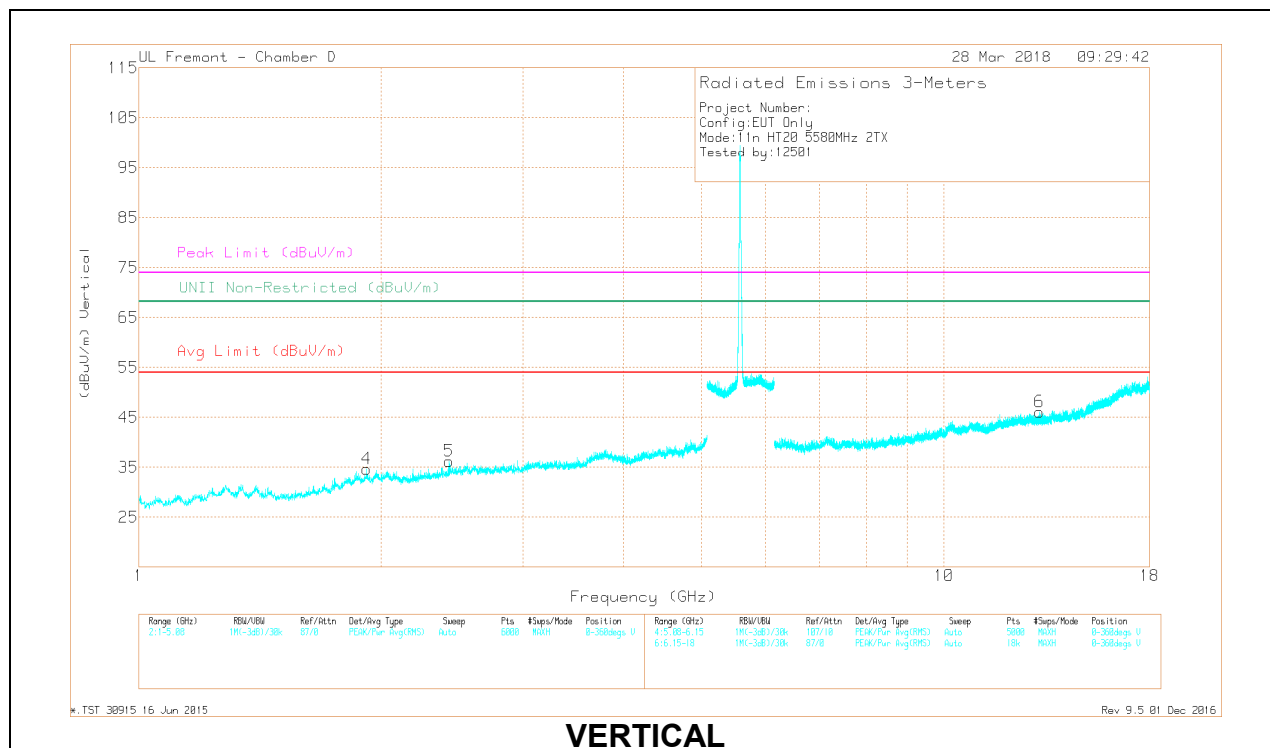
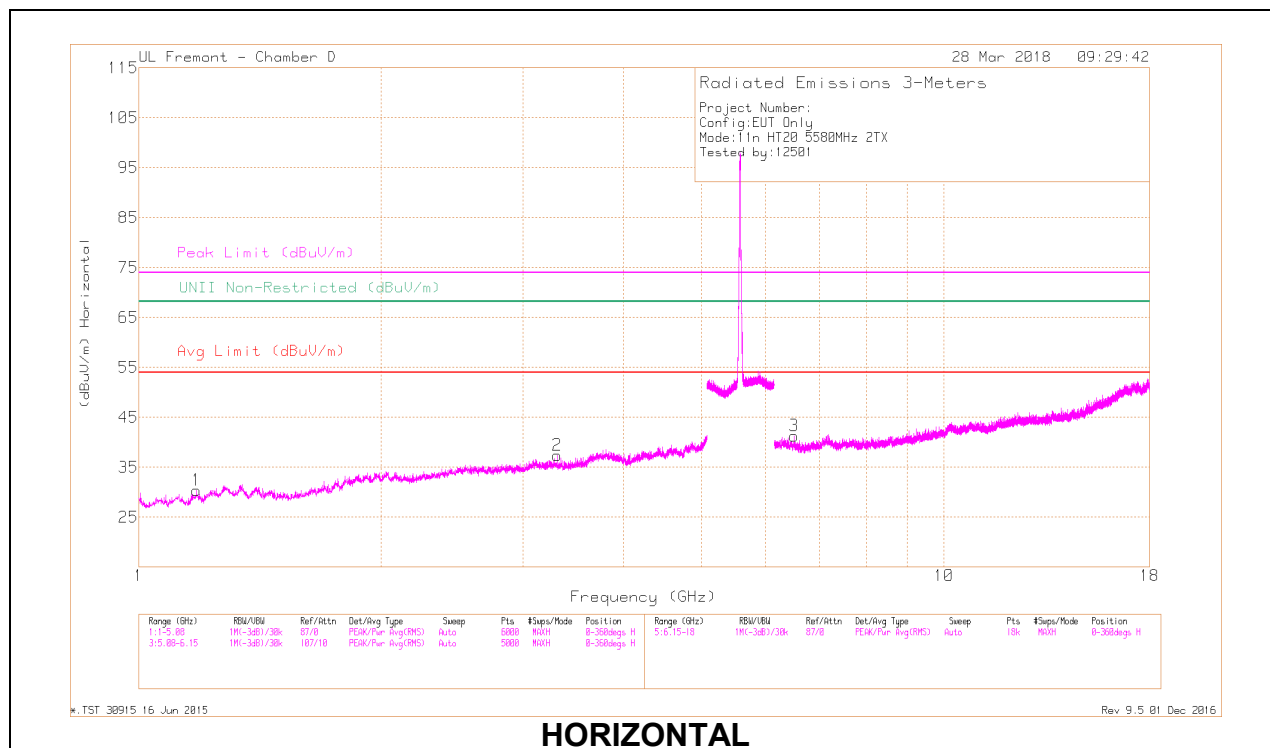
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb I/Filtr/Pa d (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.86	40.28	PK-U	34.5	-28.6	46.18	-	-	74	-27.82	53	155	H
	* 4.86	27.86	ADR	34.5	-28.6	33.76	54	-20.24	-	-	53	155	H
5	* 4.595	40.63	PK-U	34.4	-28.7	46.33	-	-	74	-27.67	290	326	H
	* 4.596	28.88	ADR	34.4	-28.6	34.68	54	-19.32	-	-	290	326	H
1	* 3.504	41.31	PK-U	33.1	-30.9	43.51	-	-	74	-30.49	222	223	V
	* 3.504	29.2	ADR	33.1	-30.9	31.4	54	-22.6	-	-	222	223	V
2	* 3.616	41.41	PK-U	33.4	-29.8	45.01	-	-	74	-28.99	160	397	V
	* 3.616	29.26	ADR	33.4	-29.8	32.86	54	-21.14	-	-	160	397	V
3	* 11.85	36.41	PK-U	39.4	-23.1	52.71	-	-	74	-21.29	321	117	V
	* 11.853	23.75	ADR	39.4	-23.1	40.05	54	-13.95	-	-	321	117	V
6	* 15.701	37.54	PK-U	41.7	-22	57.24	-	-	74	-16.76	49	108	V
	* 15.701	23.83	ADR	41.7	-22	43.53	54	-10.47	-	-	49	108	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

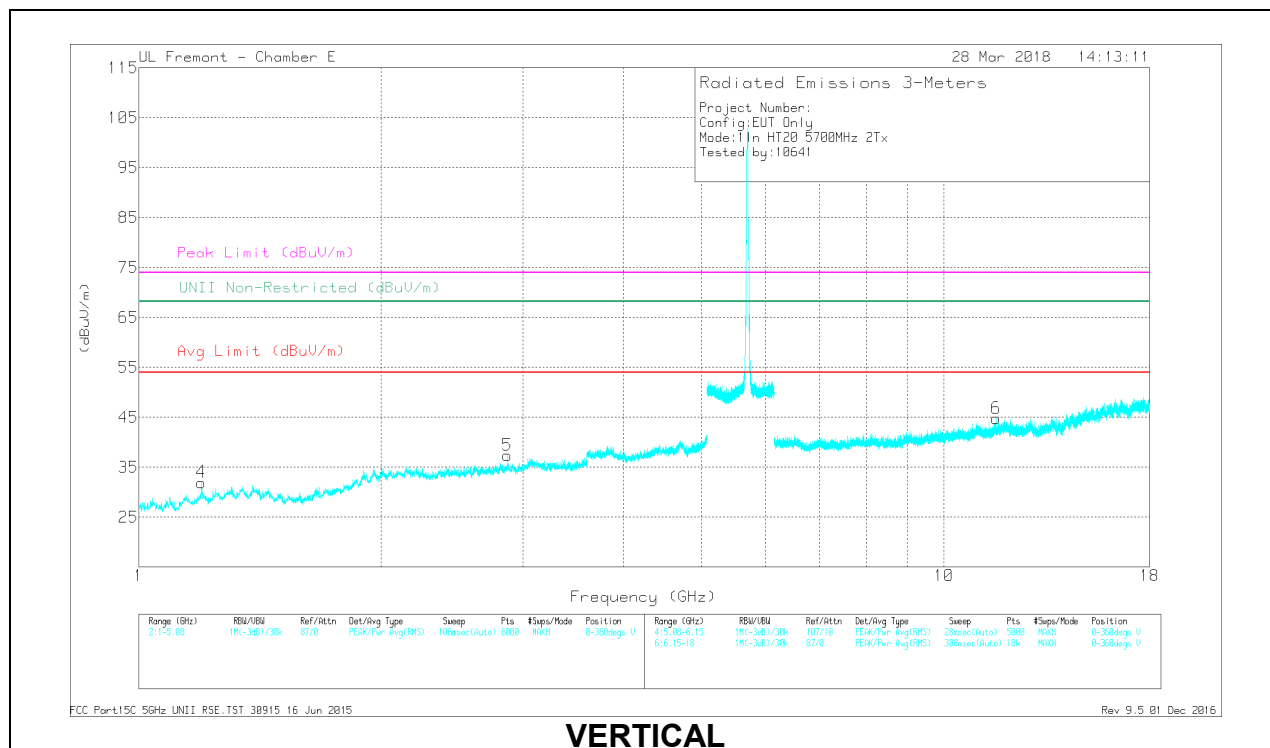
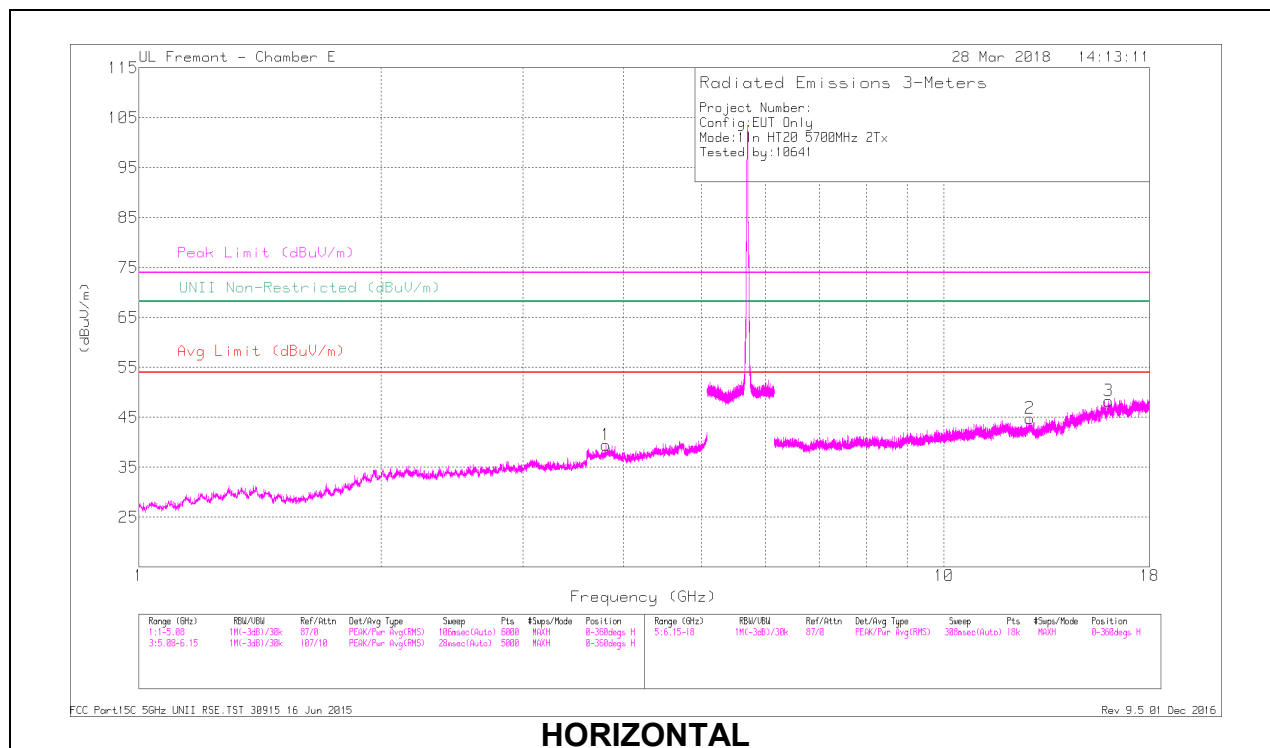
Markers	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/CbI/Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.18	40.9	PK-U	27.9	-31.9	36.9	-	-	74	-37.1	-	-	227	145	H
	* 1.178	29.33	ADR	27.9	-32	25.23	54	-28.77	-	-	-	-	227	145	H
4	1.918	40.29	PK-U	31.5	-30.8	40.99	-	-	-	-	68.2	-27.21	255	169	V
5	2.428	40.79	PK-U	32.2	-30.3	42.69	-	-	-	-	68.2	-25.51	288	208	V
2	3.31	39.94	PK-U	33.3	-29.1	44.14	-	-	-	-	68.2	-24.06	40	284	H
3	6.511	35.64	PK-U	36	-24.9	46.74	-	-	-	-	68.2	-21.46	30	256	H
6	13.145	34.24	PK-U	39.1	-21.1	52.24	-	-	-	-	68.2	-15.96	292	129	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

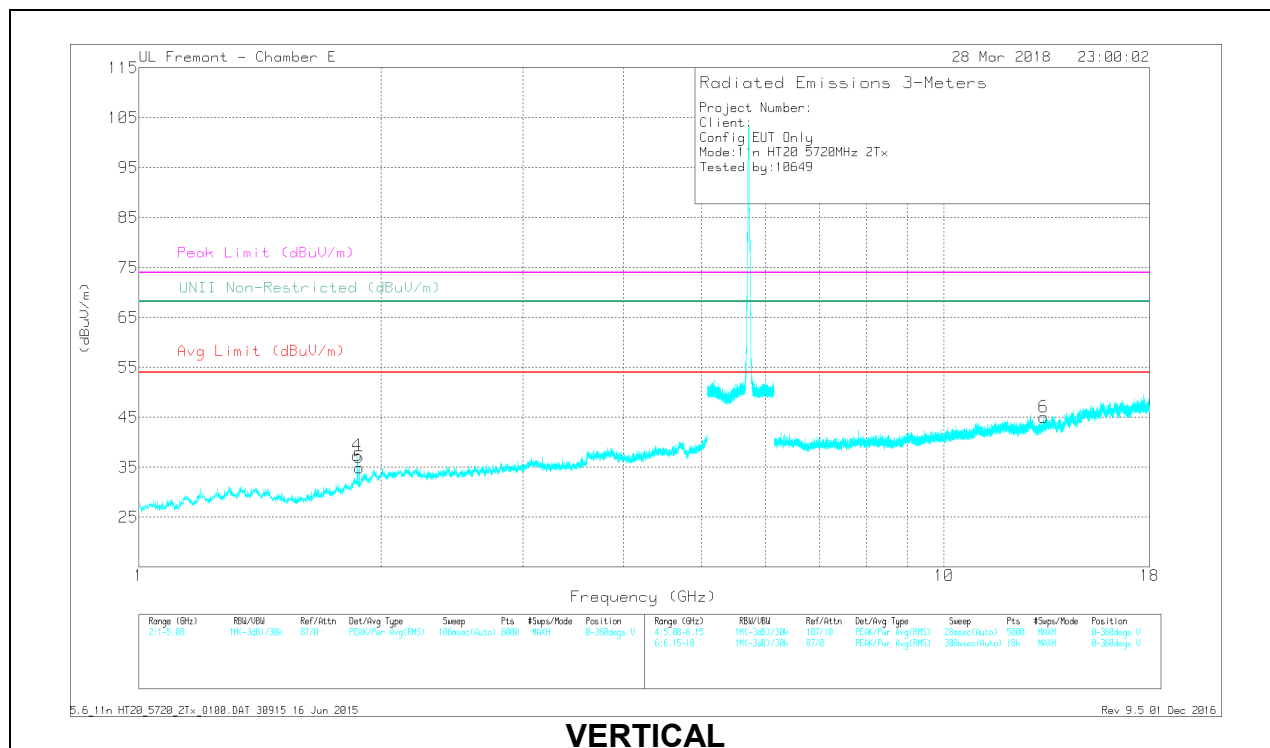
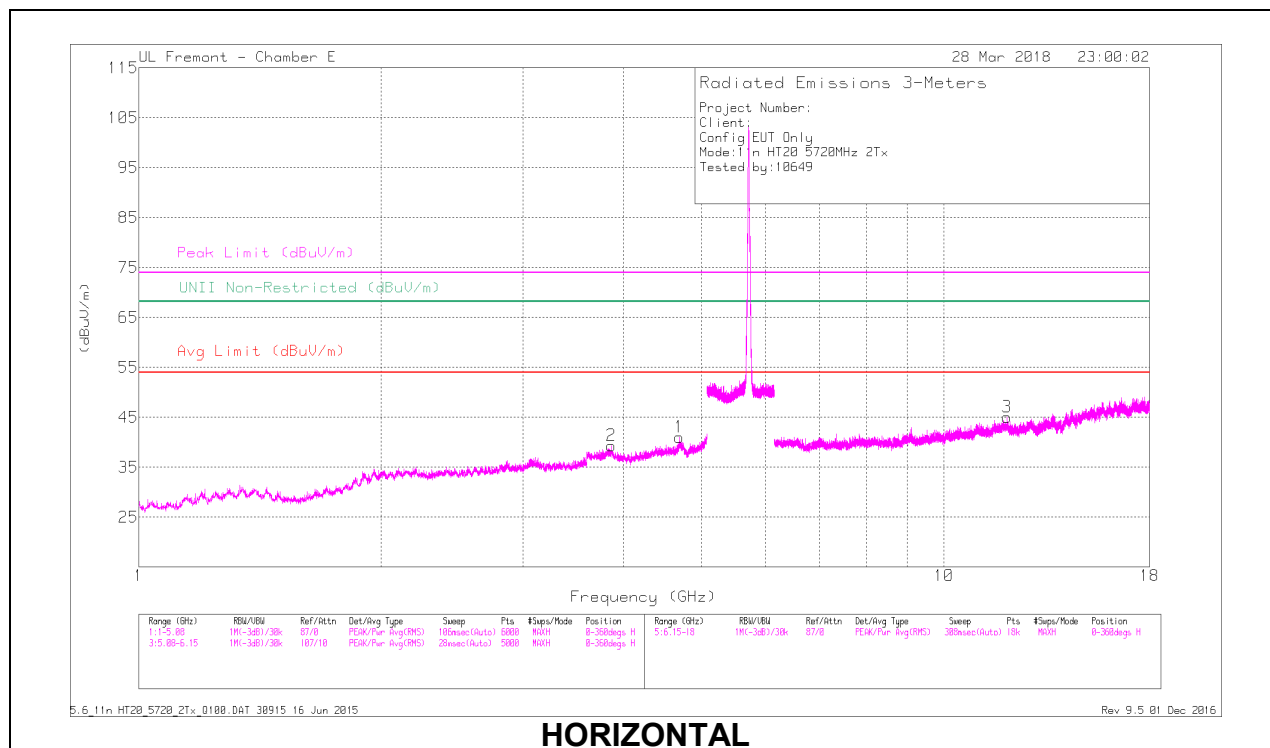
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 3.805	41.87	PK-U	33.7	-29.5	46.07	-	-	74	-27.93	-	-	341	344	H
	* 3.806	29.38	ADR	33.7	-29.5	33.58	54	-20.42	-	-	-	-	341	344	H
4	* 1.2	45.08	PK-U	28	-35.1	37.98	-	-	74	-36.02	-	-	35	326	V
	* 1.194	32.35	ADR	27.9	-35	25.25	54	-28.75	-	-	-	-	35	326	V
5	* 2.871	41.55	PK-U	32.7	-30.9	43.35	-	-	74	-30.65	-	-	222	298	V
	* 2.877	29.21	ADR	32.8	-30.9	31.11	54	-22.89	-	-	-	-	222	298	V
3	* 16.017	35.11	PK-U	41.7	-22.4	54.41	-	-	74	-19.59	-	-	347	102	H
	* 16.013	22.43	ADR	41.7	-22.4	41.73	54	-12.27	-	-	-	-	347	102	H
6	* 11.607	35.11	PK-U	38.8	-23	50.91	-	-	74	-23.09	-	-	348	316	V
	* 11.604	21.77	ADR	38.7	-23.1	37.37	54	-16.63	-	-	-	-	348	316	V
2	12.795	37.17	PK-U	39.9	-23.8	53.27	-	-	-	-	68.2	-14.93	192	123	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 144 RESULTS



RADIATED EMISSIONS

Mark ers	Frequen cy (GHz)	Meter Readin g (dBuV)	Det	AF T712 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	Correc ted Readin g (dBuV/ m)	Avg Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	UNII Non- Restric ted (dBuV/ m)	PK Margin (dB)	Azimu t (Degs)	Height (cm)	Polarit y
1	* 4.689	41.46	PK-U	34.4	-29	46.86	-	-	74	-27.14	-	-	131	135	H
	* 4.689	29.4	ADR	34.4	-29	34.8	54	-19.2	-	-	-	-	131	135	H
2	* 3.864	41.08	PK-U	33.7	-29	45.78	-	-	74	-28.22	-	-	231	285	H
	* 3.866	29.01	ADR	33.7	-29	33.71	54	-20.29	-	-	-	-	231	285	H
3	* 11.983	34.87	PK-U	39.7	-23.5	51.07	-	-	74	-22.93	-	-	262	344	H
	* 11.982	22.24	ADR	39.7	-23.5	38.44	54	-15.56	-	-	-	-	262	344	H
6	* 13.289	36.12	PK-U	39.3	-23.9	51.52	-	-	74	-22.48	-	-	228	166	V
	* 13.285	24.83	ADR	39.2	-24	40.03	54	-13.97	-	-	-	-	228	166	V
4	1.867	42.95	PK-U	30.4	-33.3	40.05	-	-	-	-	68.2	-28.15	123	230	V
5	1.878	42.12	PK-U	30.6	-33.1	39.62	-	-	-	-	68.2	-28.58	75	317	V

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

PK-U - U-NII: Maximum Peak

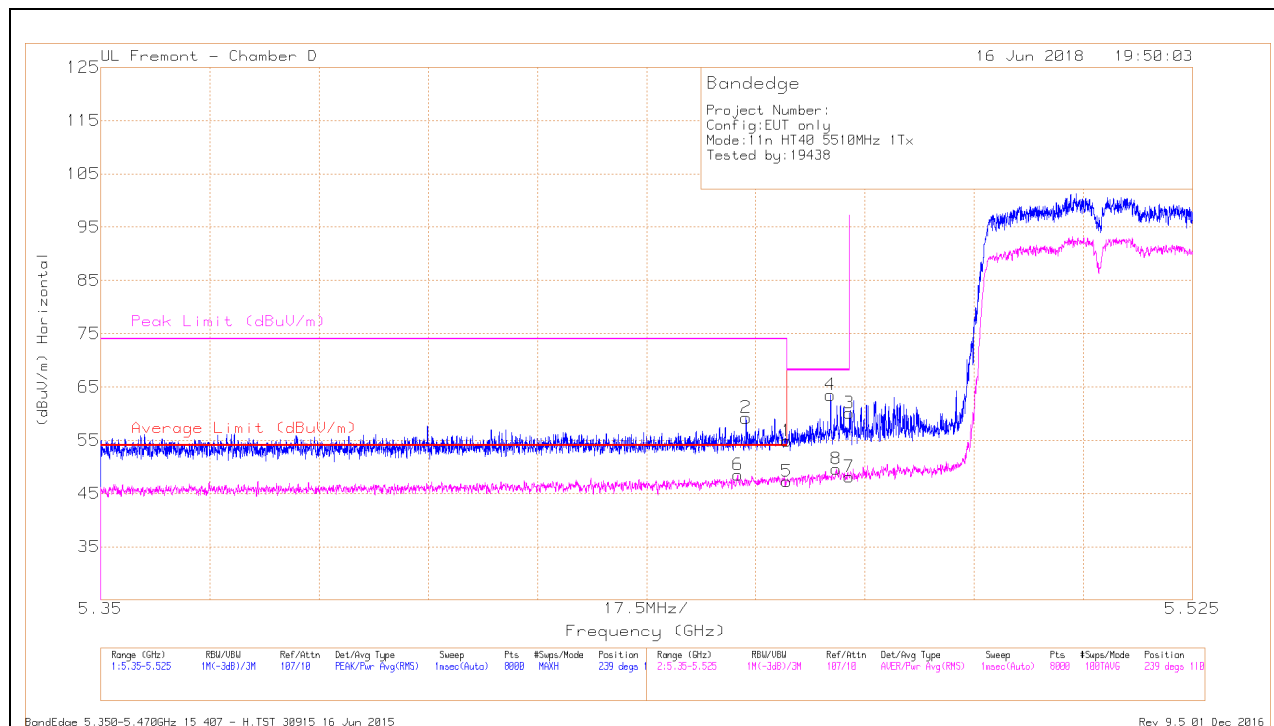
ADR - U-NII AD primary method, RMS average

9.1.8. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



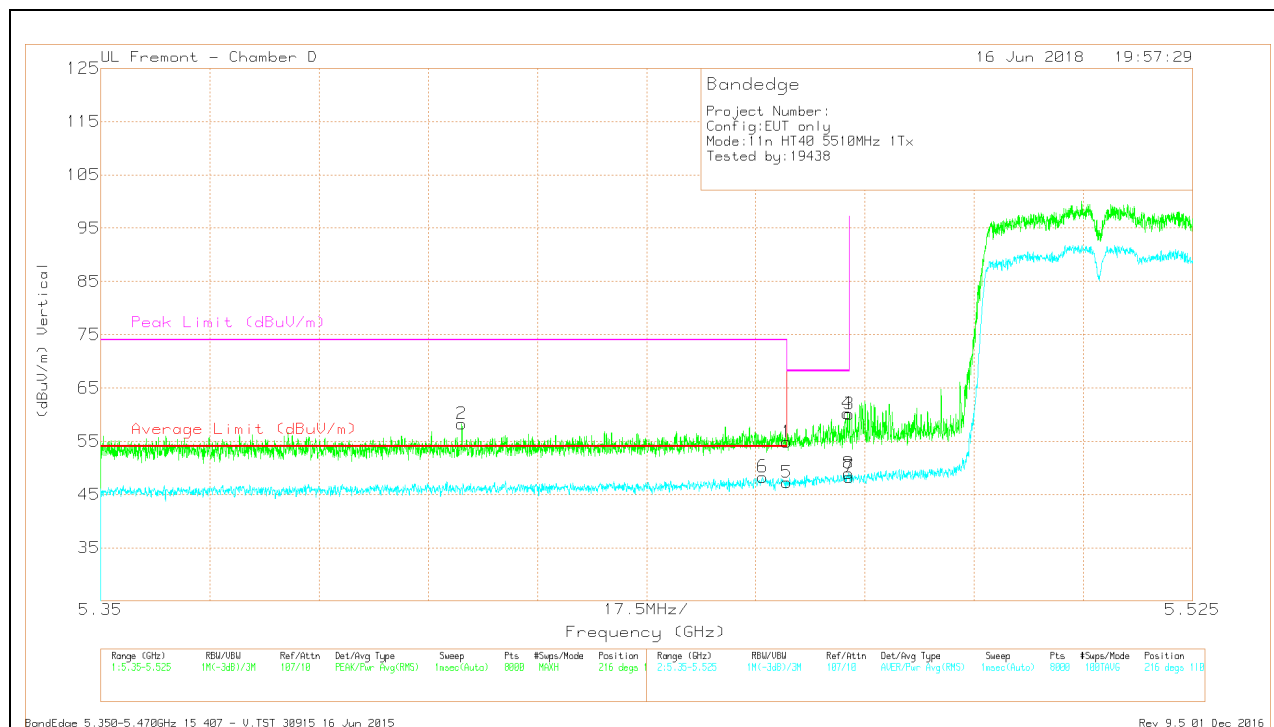
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.452	31.18	RMS	34.9	-17.6	.09	48.57	54	-5.43	-	-	239	110	H
2	* 5.453	41.9	Pk	34.9	-17.6	0	59.2	-	-	74	-14.8	239	110	H
1	* 5.46	37.45	Pk	34.9	-17.5	0	54.85	-	-	74	-19.15	239	110	H
5	* 5.46	29.84	RMS	34.9	-17.5	.09	47.33	54	-6.67	-	-	239	110	H
4	5.467	46.07	Pk	34.9	-17.5	0	63.47	-	-	68.2	-4.73	239	110	H
8	5.468	32.16	RMS	34.9	-17.5	0	49.56	-	-	-	-	239	110	H
3	5.47	42.69	Pk	34.9	-17.5	0	60.09	-	-	68.2	-8.11	239	110	H
7	5.47	30.71	RMS	34.9	-17.5	0	48.11	-	-	-	-	239	110	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 T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.408	41.26	Pk	34.9	-17.9	0	58.26	-	-	74	-15.74	216	110	V
6	* 5.456	30.97	RMS	34.9	-17.6	.09	48.27	54	-5.73	-	-	216	110	V
1	* 5.46	37.43	Pk	34.9	-17.5	0	54.83	-	-	74	-19.17	216	110	V
5	* 5.46	29.86	RMS	34.9	-17.5	.09	47.26	54	-6.74	-	-	216	110	V
3	5.47	42.69	Pk	34.9	-17.5	0	60.09	-	-	68.2	-8.11	216	110	V
4	5.47	42.82	Pk	34.9	-17.5	0	60.22	-	-	68.2	-7.98	216	110	V
7	5.47	30.88	RMS	34.9	-17.5	0	48.28	-	-	-	-	216	110	V
8	5.47	31.59	RMS	34.9	-17.5	0	48.99	-	-	-	-	216	110	V

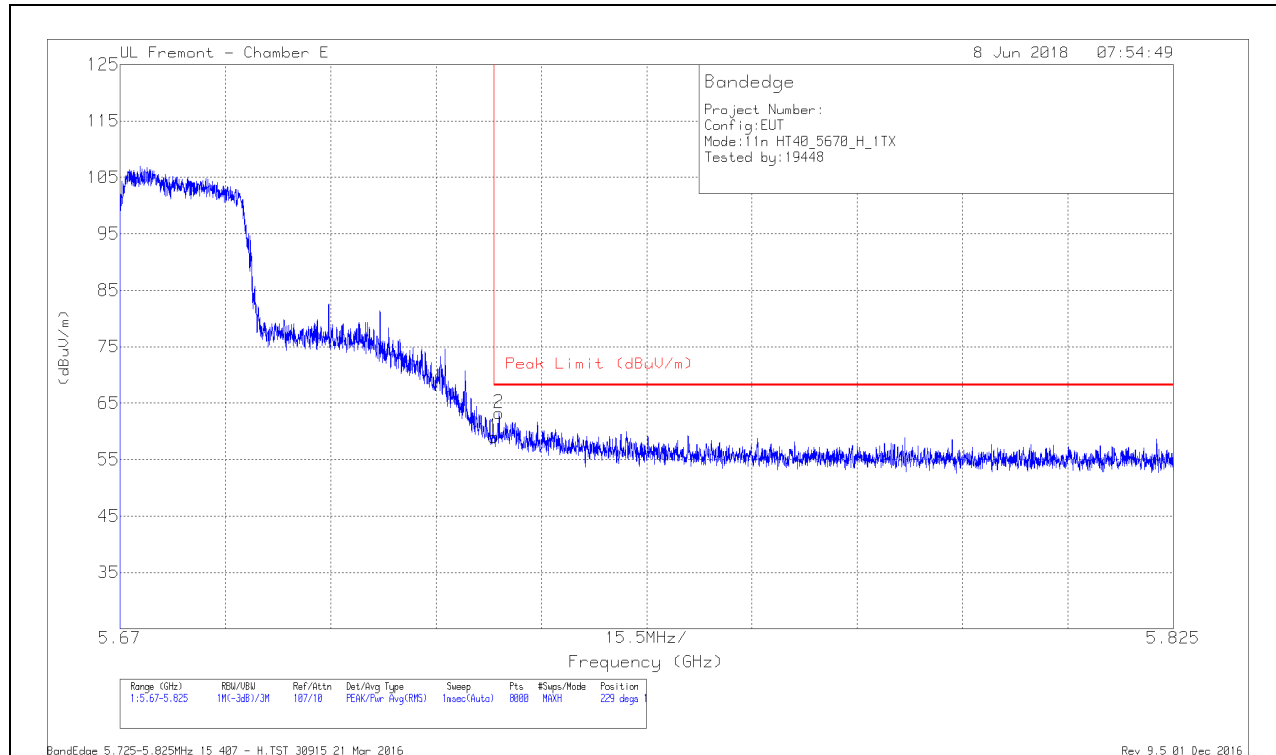
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

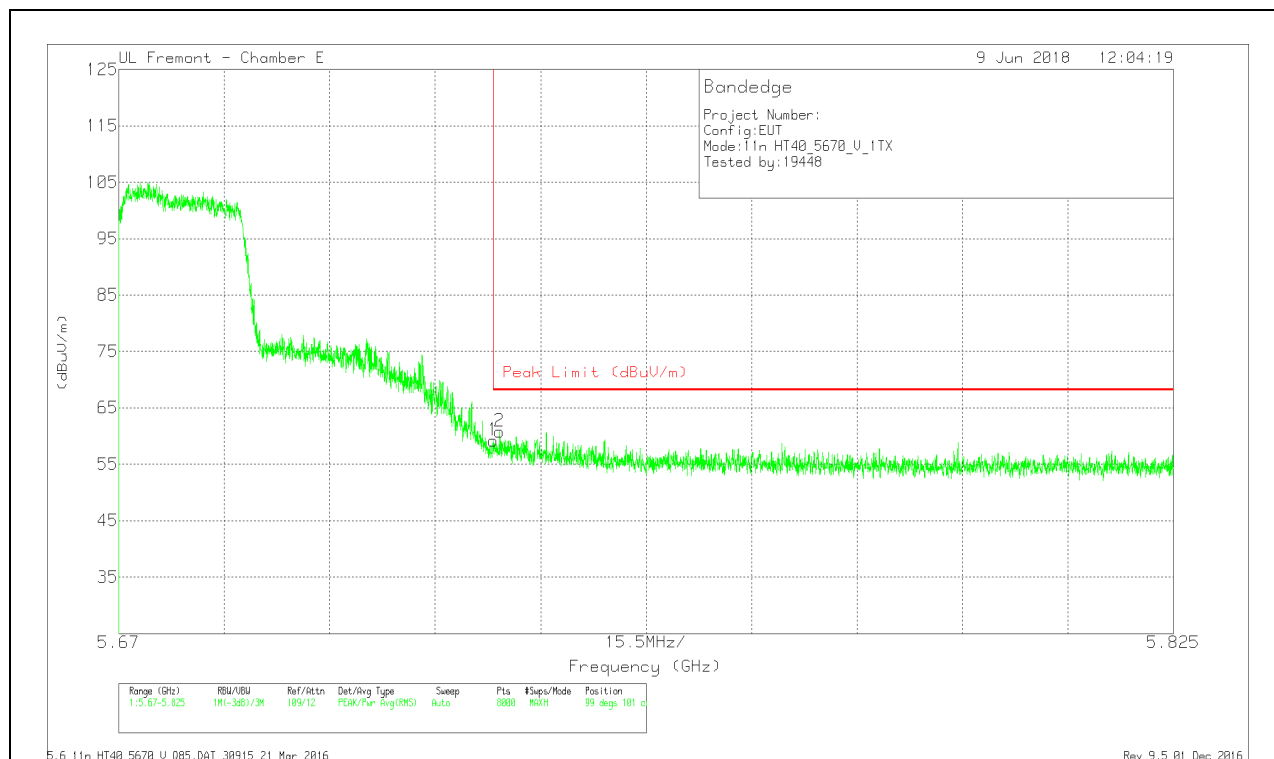
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.33	Pk	35.1	-19.4	59.03	68.2	-9.17	229	114	H
2	5.726	47.56	Pk	35.1	-19.4	63.26	68.2	-4.94	229	114	H

Pk - Peak detector

VERTICAL RESULT



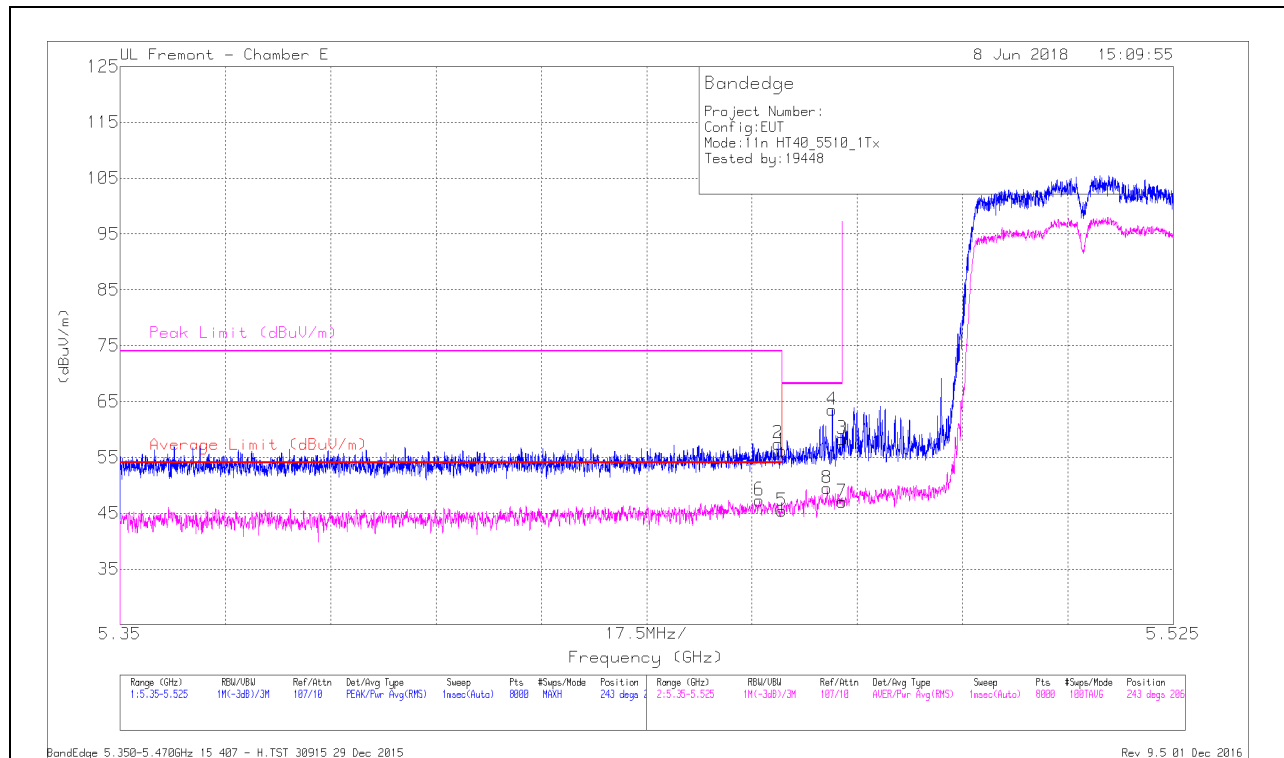
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.27	Pk	35.1	-19.2	59.17	68.2	-9.03	99	101	V
2	5.726	44.9	Pk	35.1	-19.2	60.8	68.2	-7.4	99	101	V

Pk - Peak detector

1TX Antenna 5 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.456	32.1	RMS	35.1	-19.9	.09	47.39	54	-6.61	-	-	243	206	H
2	* 5.459	42.27	Pk	35.1	-19.9	0	57.47	-	-	74	-16.53	243	206	H
1	* 5.46	41	Pk	35.1	-19.9	0	56.2	-	-	74	-17.8	243	206	H
5	* 5.46	30.25	RMS	35.1	-19.9	.09	45.54	54	-8.46	-	-	243	206	H
8	5.467	34.25	RMS	35.1	-19.9	.09	49.54	-	-	-	-	243	206	H
4	5.468	48.33	Pk	35.1	-19.9	0	63.53	-	-	68.2	-4.67	243	206	H
3	5.47	43.02	Pk	35.1	-19.8	0	58.32	-	-	68.2	-9.88	243	206	H
7	5.47	31.72	RMS	35.1	-19.8	.09	47.11	-	-	-	-	243	206	H

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

Pk - Peak detector

RMS - RMS detection