

9.15. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

9.15.1. 6 dB BANDWIDTH

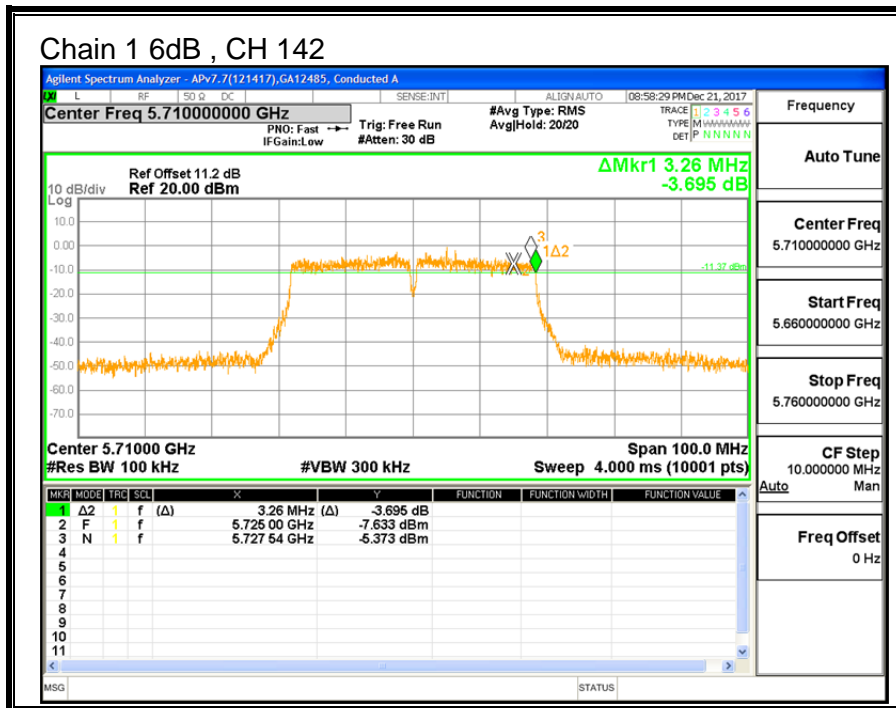
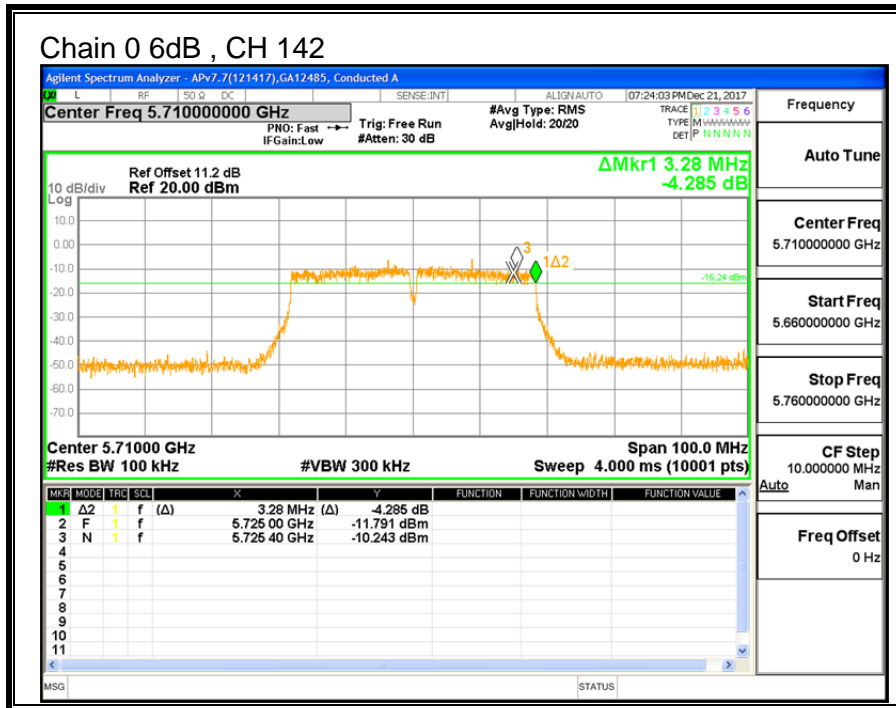
LIMITS

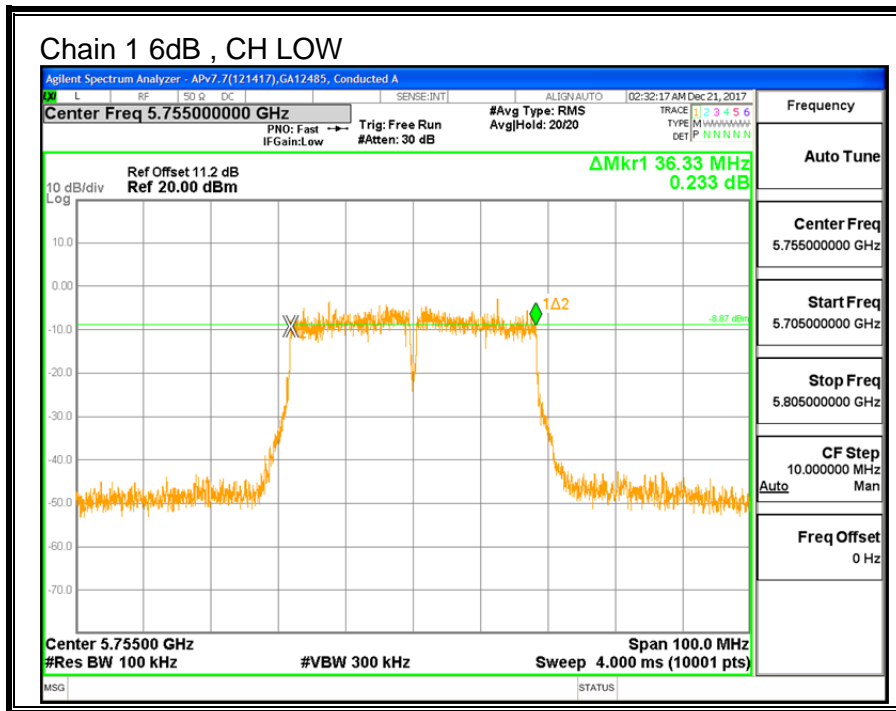
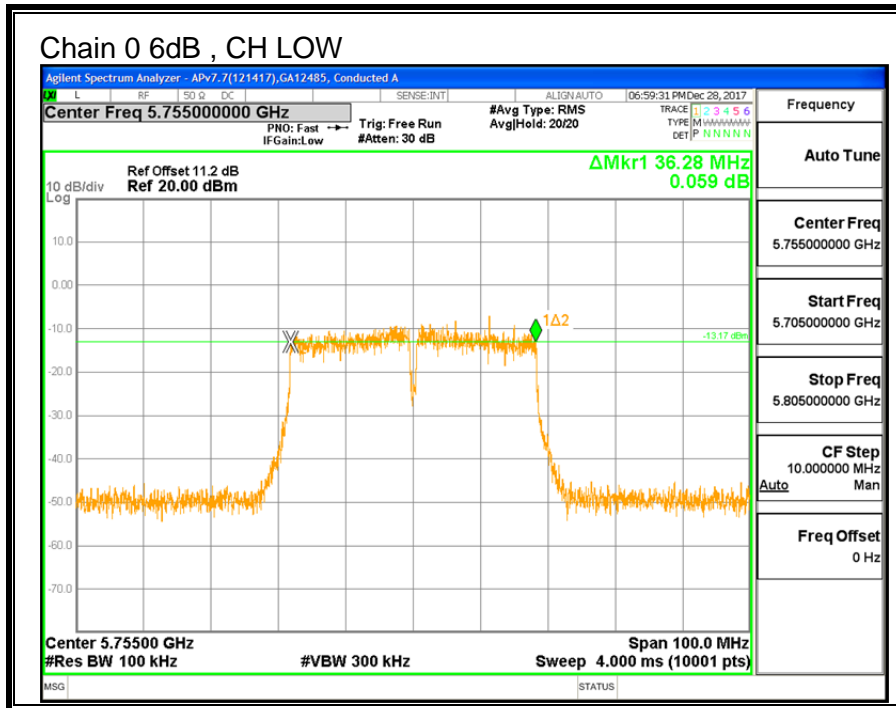
FCC §15.407 (e)

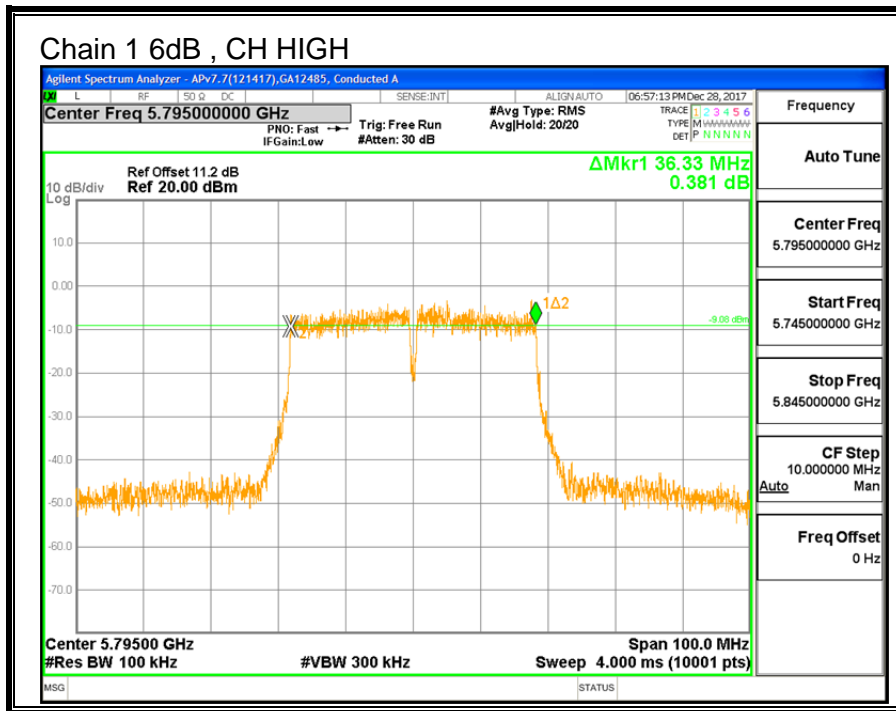
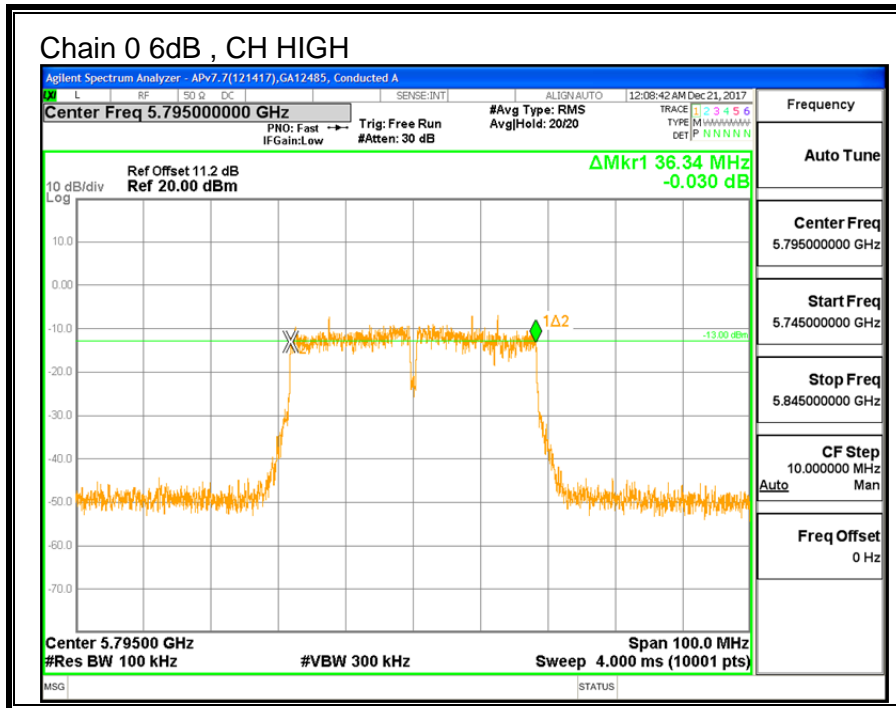
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
142	5710	3.28	3.26	0.5
Low	5755	36.28	36.33	0.5
High	5795	36.34	36.33	0.5







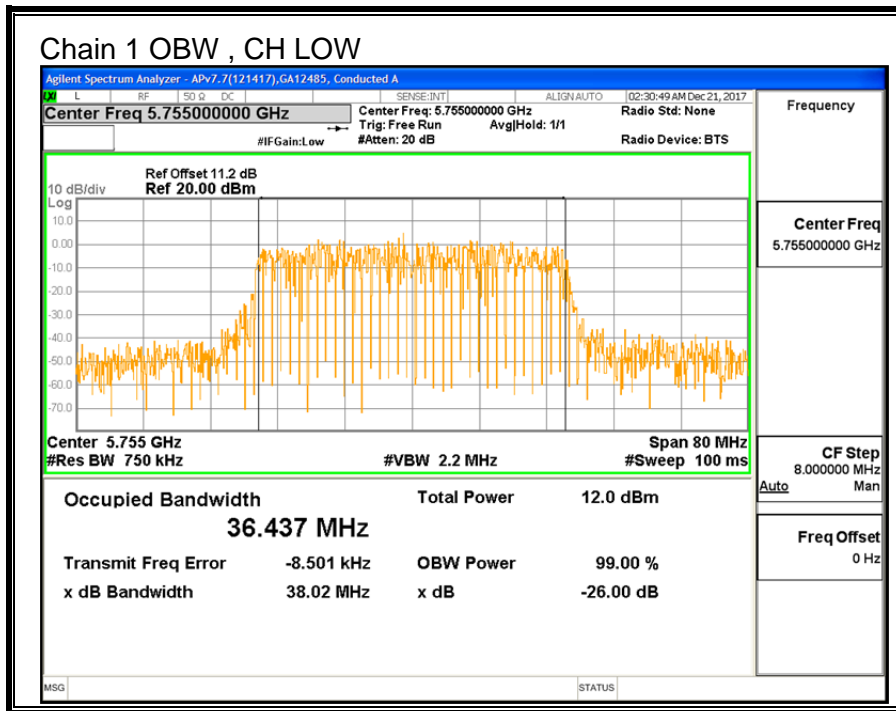
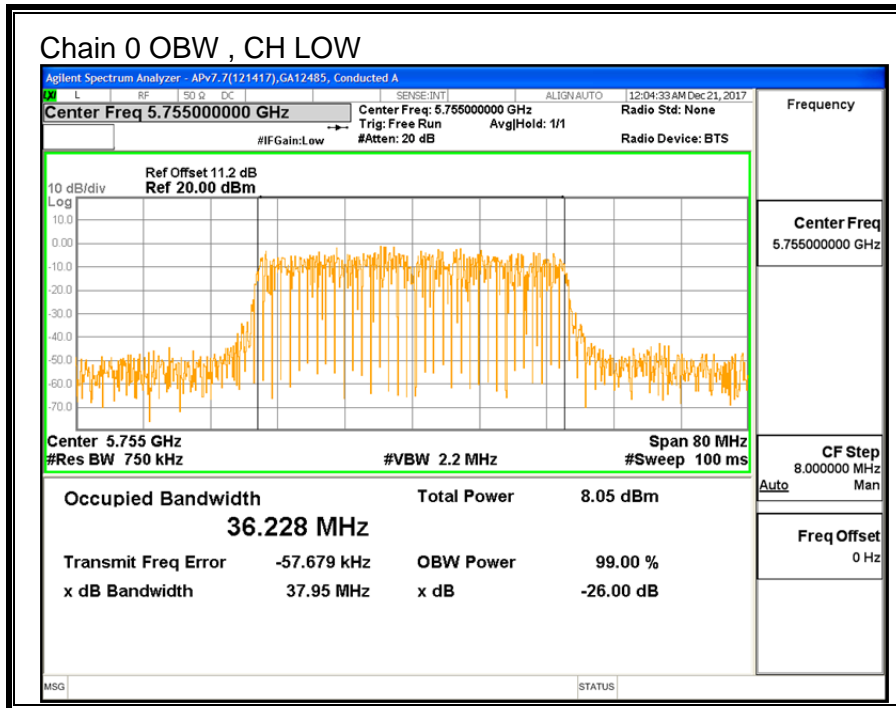
9.15.2. 99% BANDWIDTH

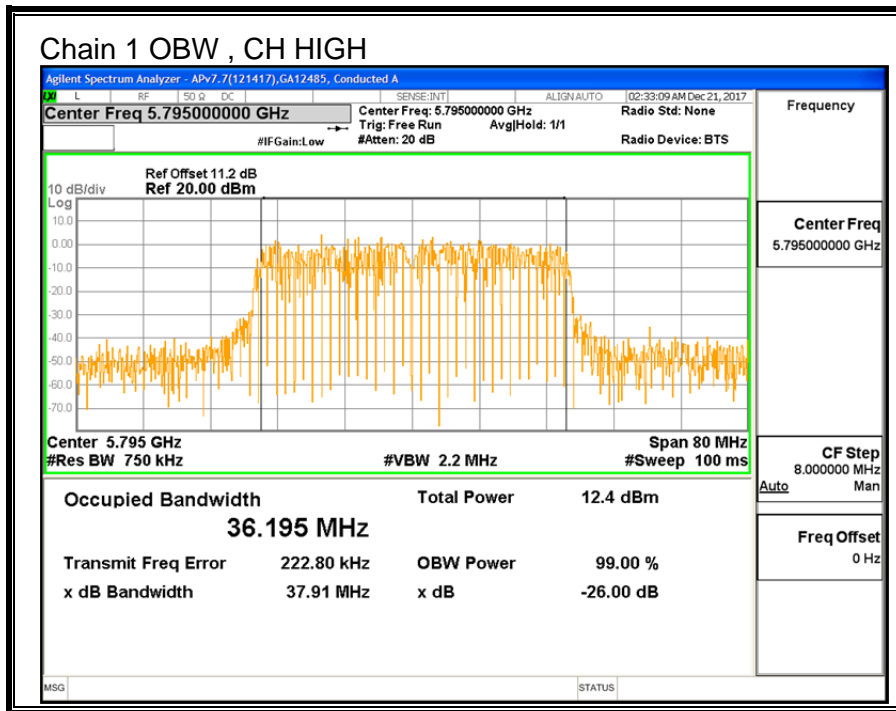
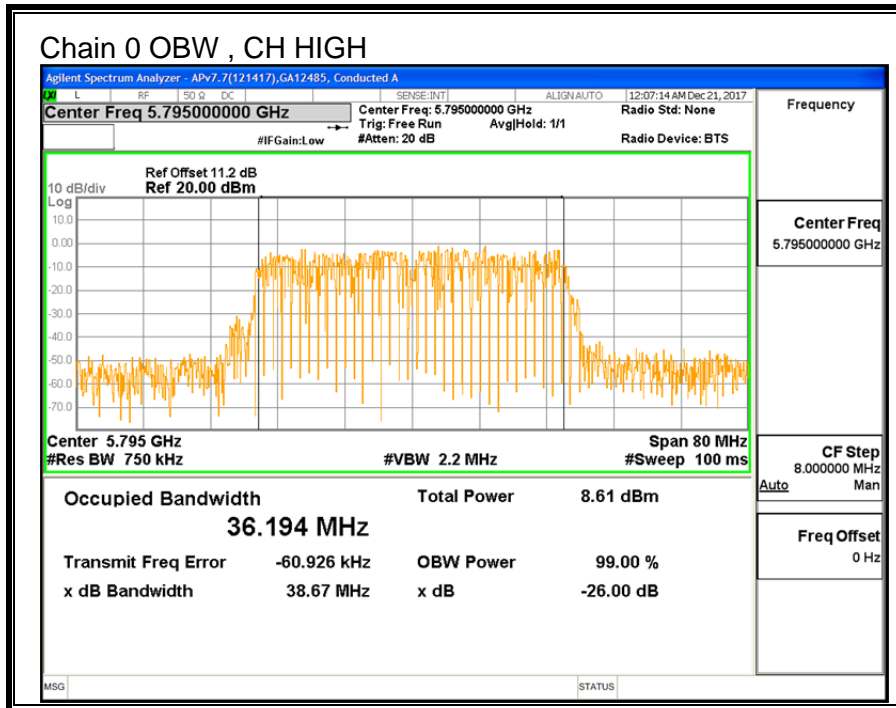
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5755	36.228	36.437
High	5795	36.194	36.195





9.15.3. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

For power, the TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
0.98	-7.18	-1.41

For PSD the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
0.98	-7.18	0.84

RESULTS

ID:	GA12485	Date:	12/21/17
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Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	Power Limit (dBm)
Low	5755	-1.41	0.84	30.00	30.00
High	5795	-1.41	0.84	30.00	30.00

Duty Cycle CF (dB)	0.41	Included in Calculations of Corr'd PSD
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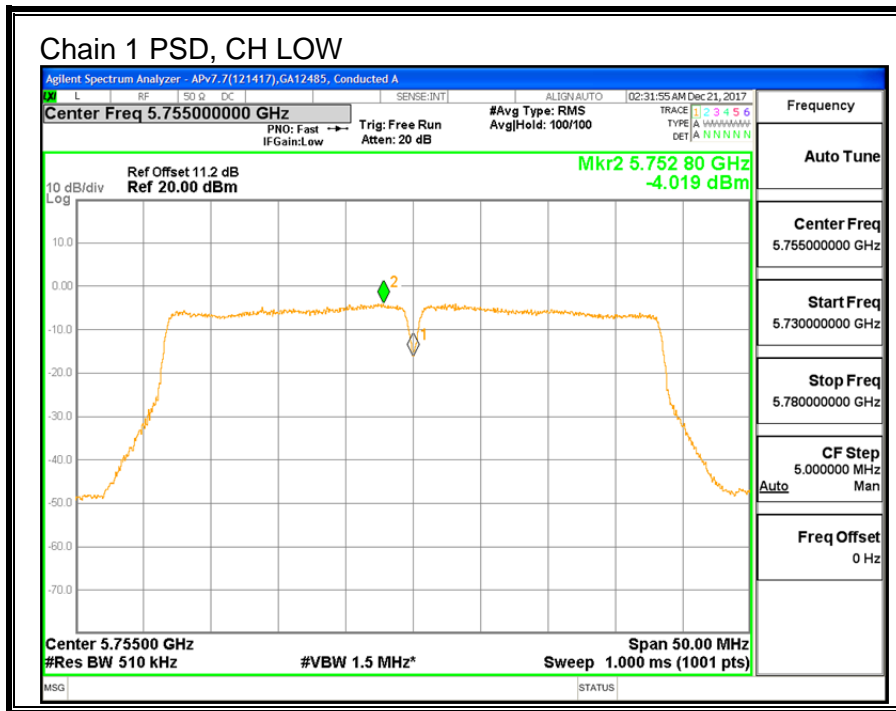
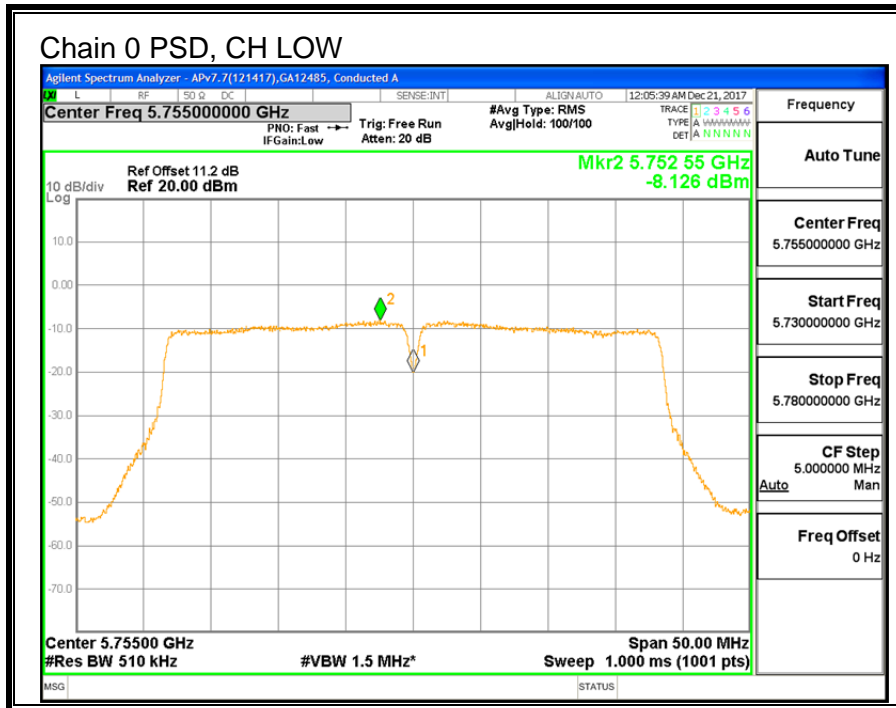
Output Power Results

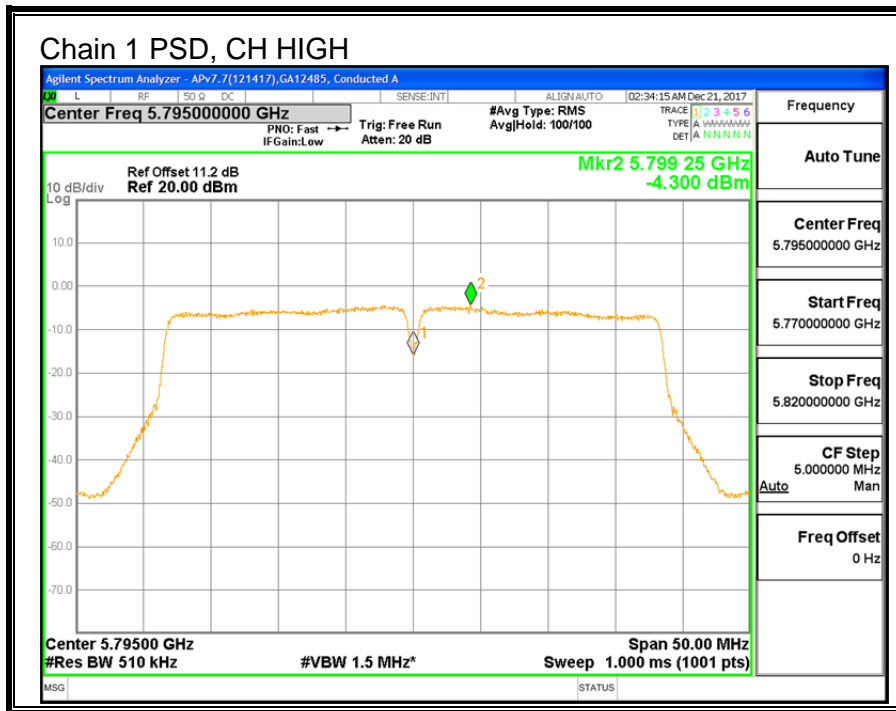
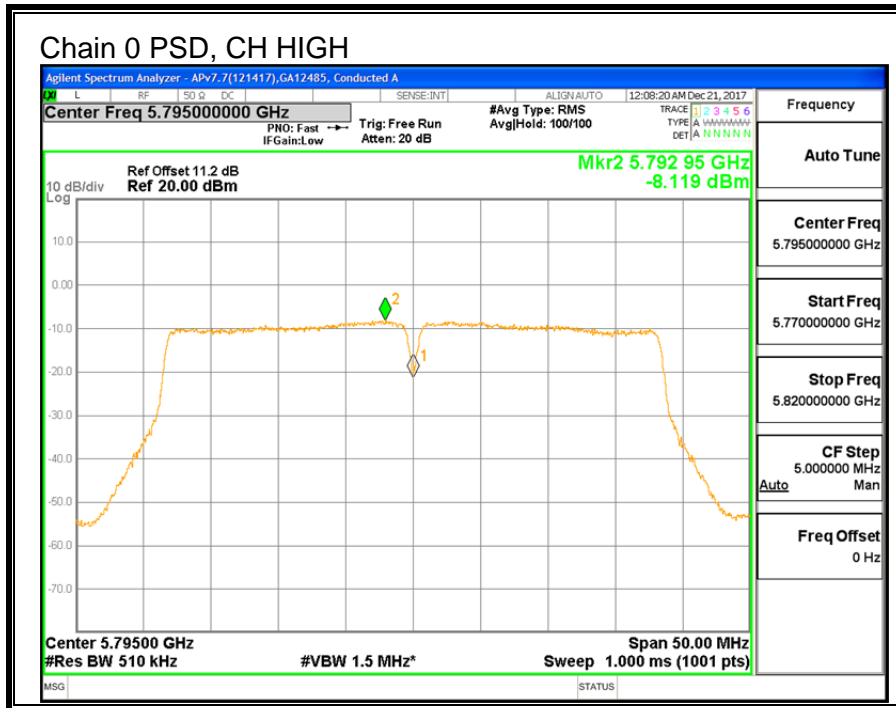
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	6.86	12.55	13.59	30.00	-16.41
High	5795	6.68	12.67	13.65	30.00	-16.35

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-8.126	-4.019	-2.18	30.00	-32.18
High	5795	-8.119	-4.300	-2.38	30.00	-32.38

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.





9.16. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

9.16.1. 6 dB BANDWIDTH

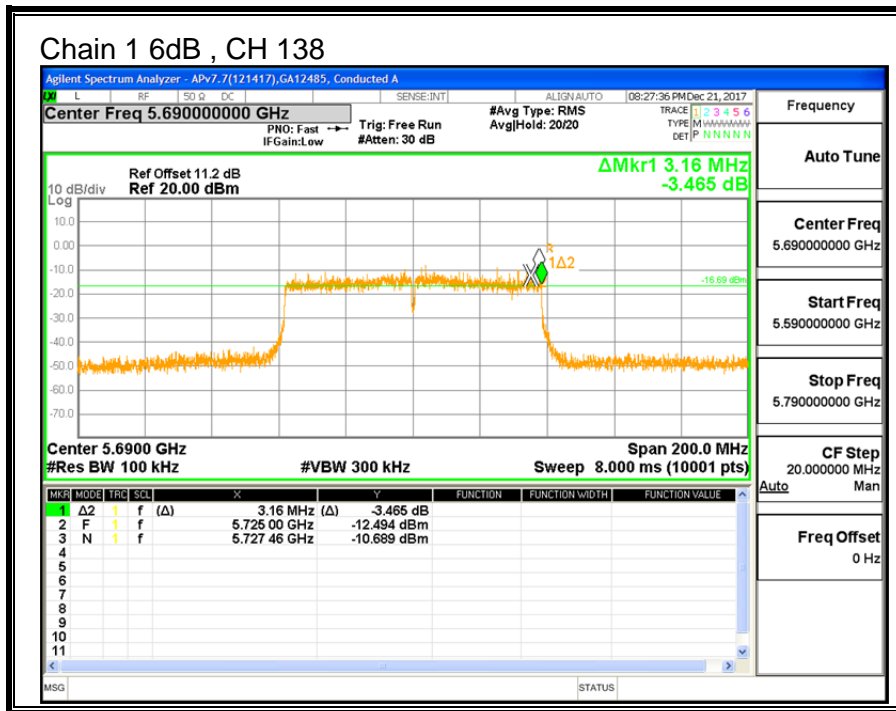
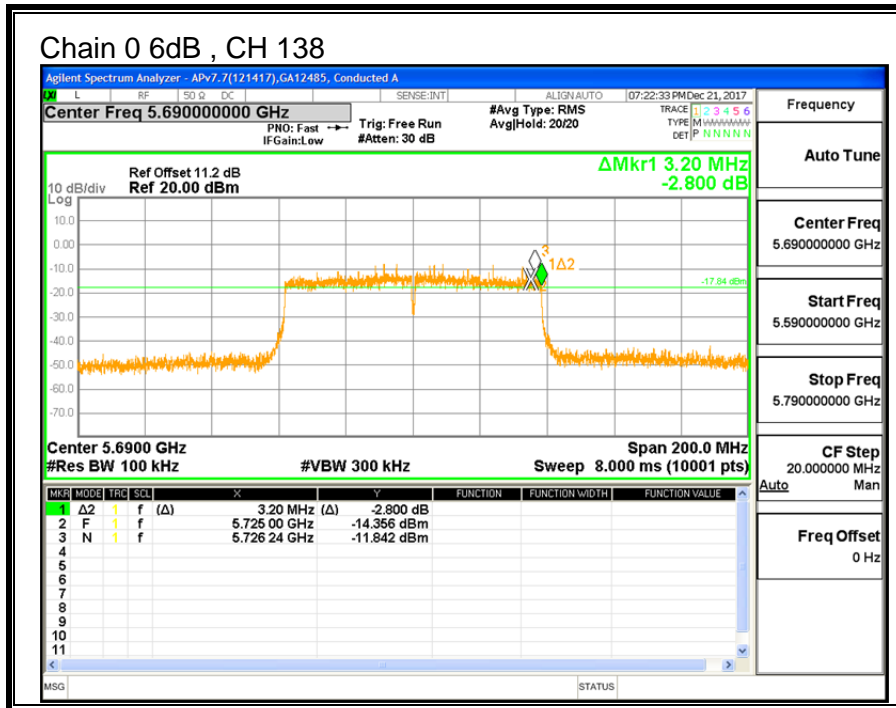
LIMITS

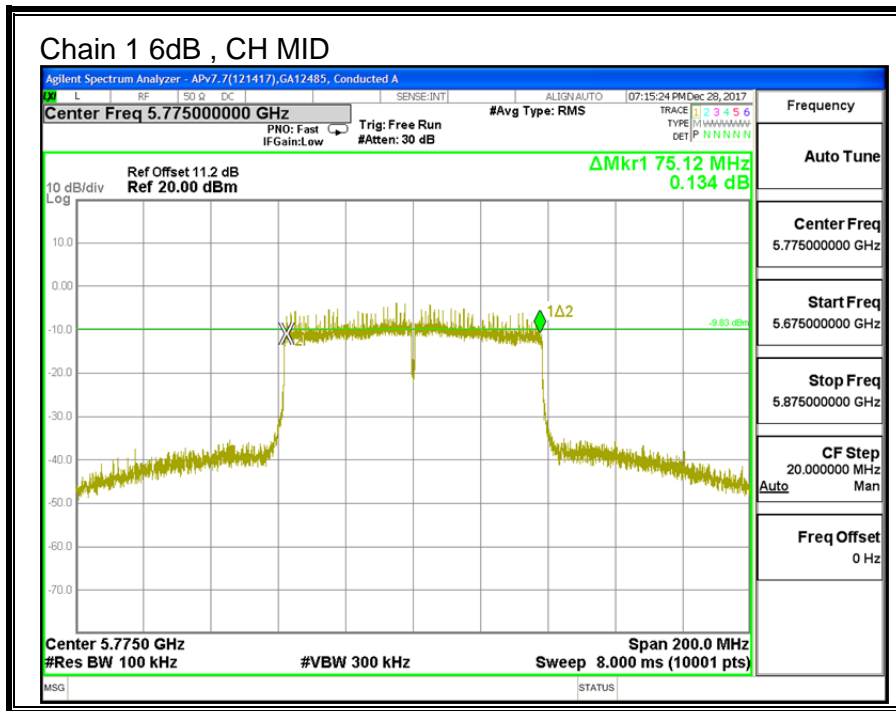
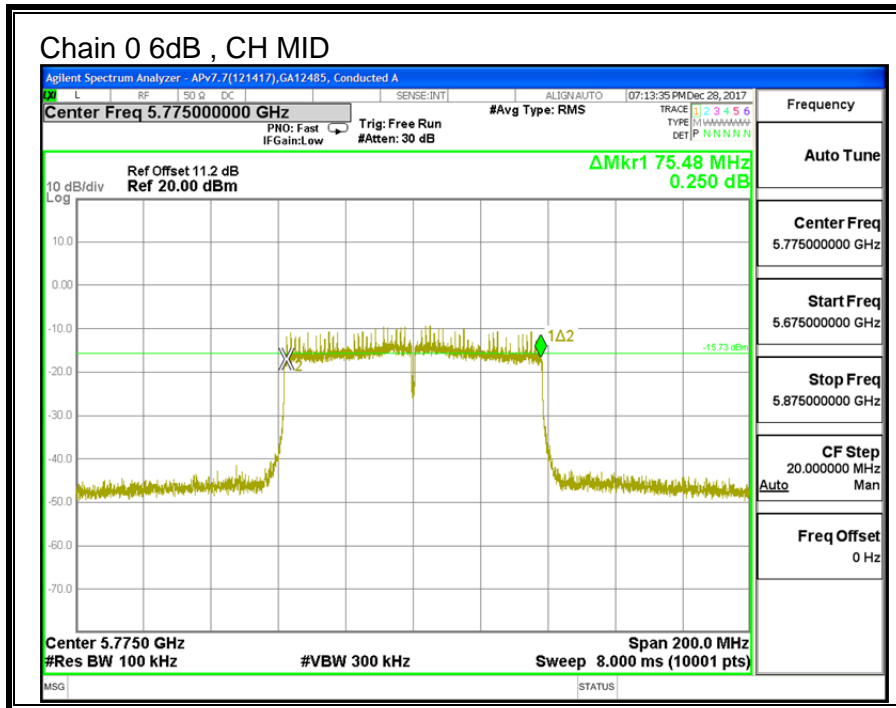
FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
138	5690	3.20	3.16	0.5
Mid	5775	75.48	75.12	0.5





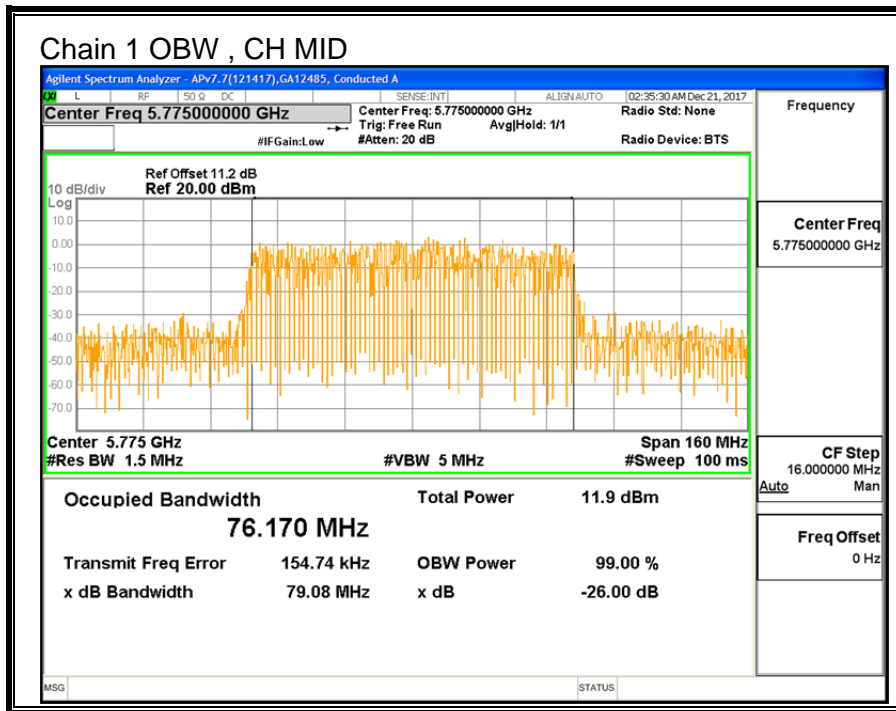
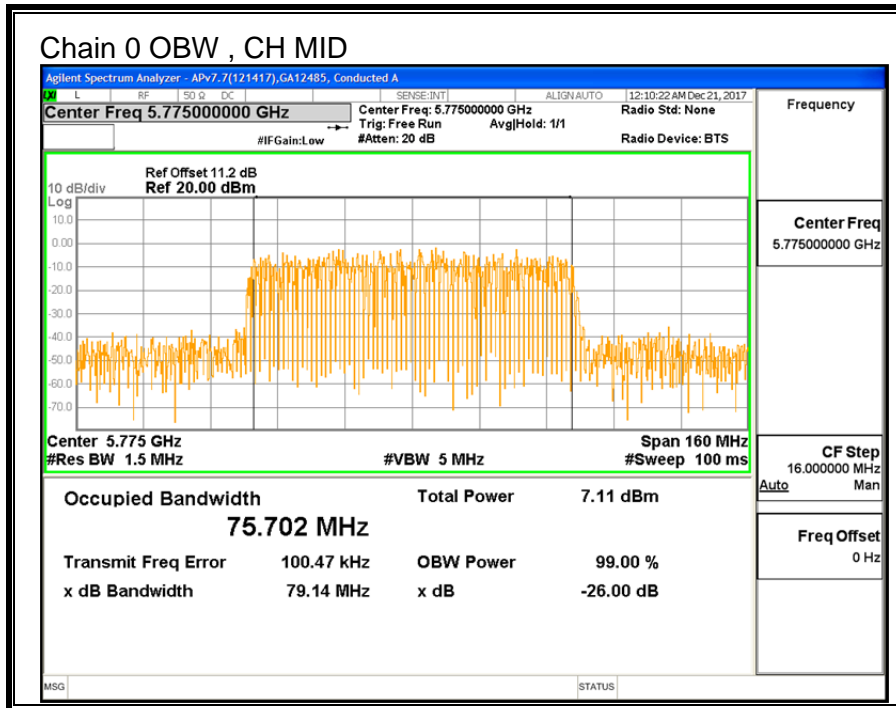
9.16.2. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Mid	5775	75.702	76.170



9.16.3. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

For power, the TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
0.98	-7.18	-1.41

For PSD the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
0.98	-7.18	0.84

RESULTS

ID:	GA12485	Date:	12/21/17
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Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
Mid	5775	-1.41	0.84	30.00	30.00

Duty Cycle CF (dB)	0.72	Included in Calculations of Corr'd PSD
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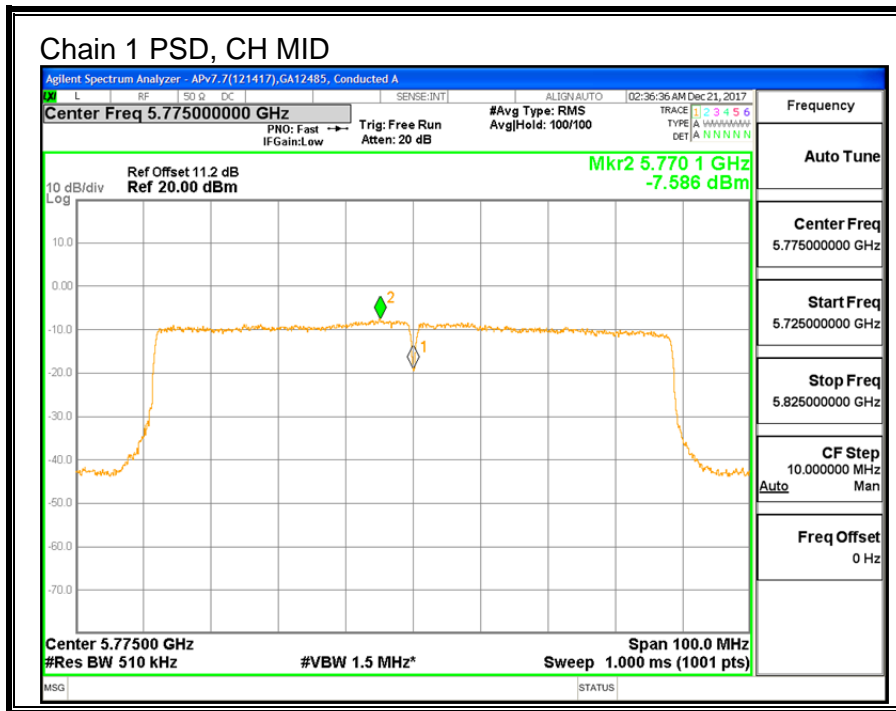
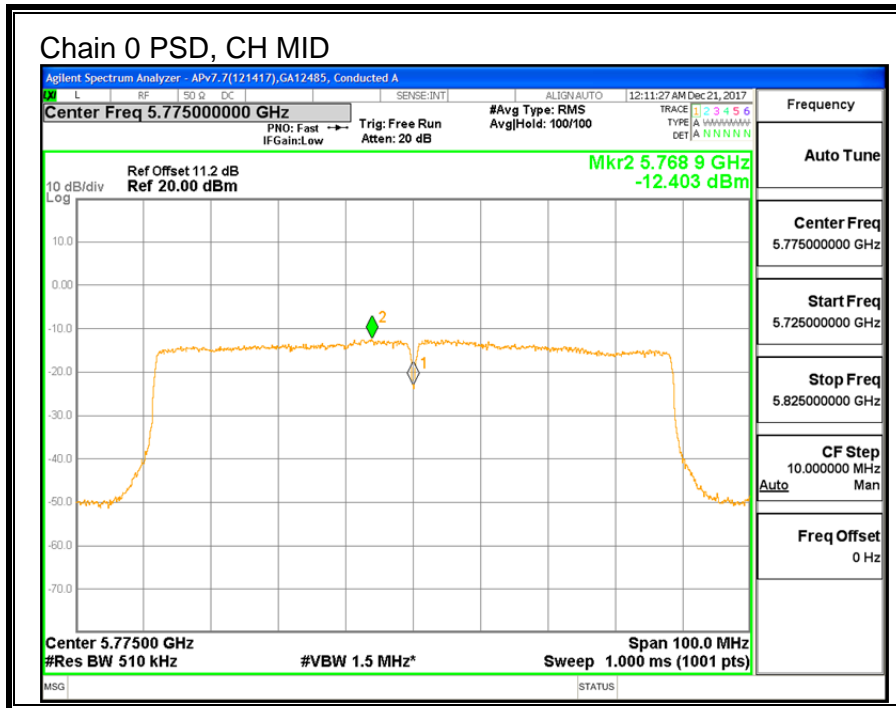
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	6.39	12.50	13.45	30.00	-16.55

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	-12.403	-7.586	-5.63	30.00	-35.63

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.



10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

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) @ 300m	-
0.490-1.705	24000/F(kHz) @ 30m	-
1.705-30.0	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 measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

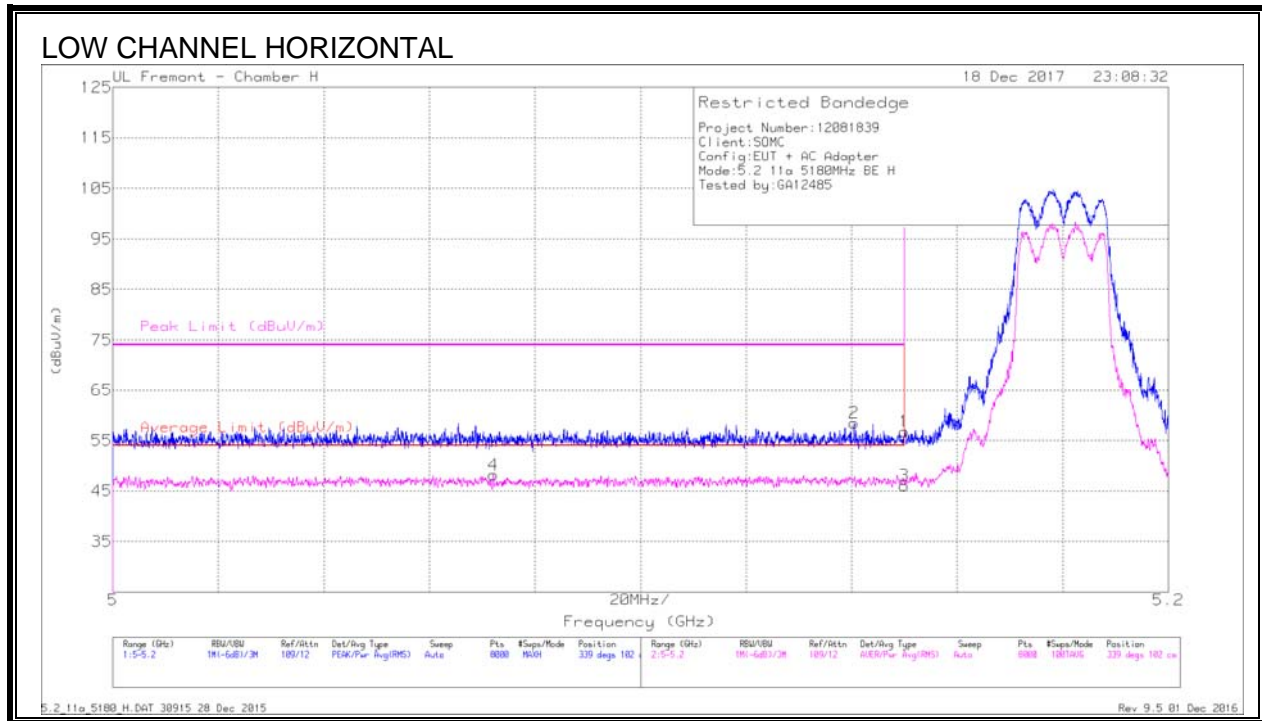
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

Radiated emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

NOTE:

10.1.1. 11a 2TX CDD MIMO MODE IN THE 5.2GHZ BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



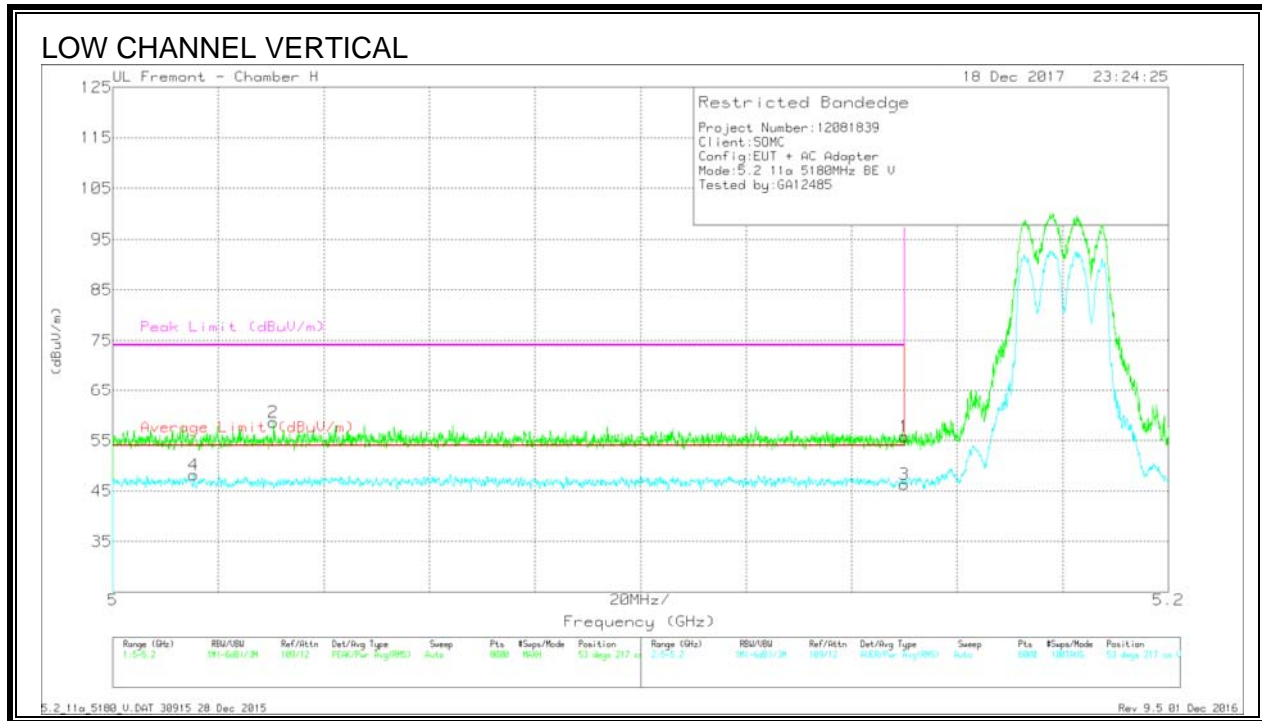
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.9	Pk	34.4	-18.5	0	56.8	-	-	74	-17.2	339	102	H
2	* 5.14	42.52	Pk	34.4	-18.4	0	58.52	-	-	74	-15.48	339	102	H
3	* 5.15	30.22	RMS	34.4	-18.5	.11	46.23	54	-7.77	-	-	339	102	H
4	* 5.072	32.12	RMS	34.3	-18.2	.11	48.33	54	-5.67	-	-	339	102	H

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection

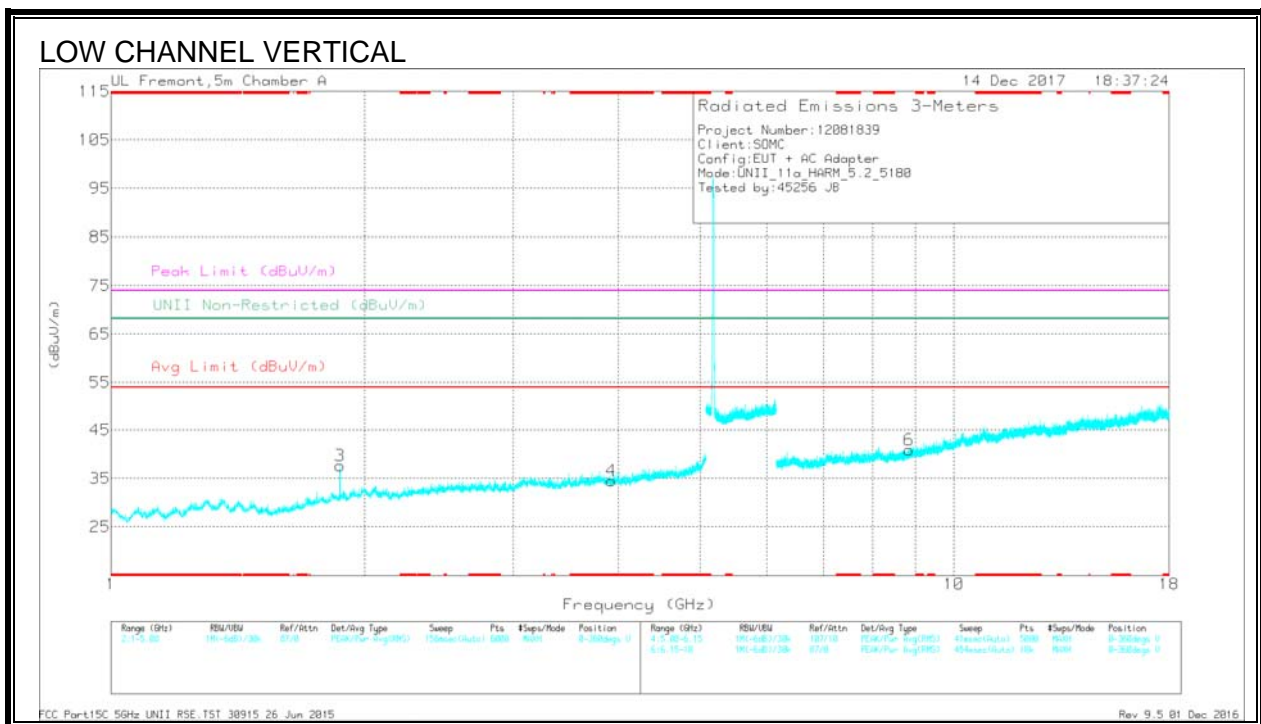
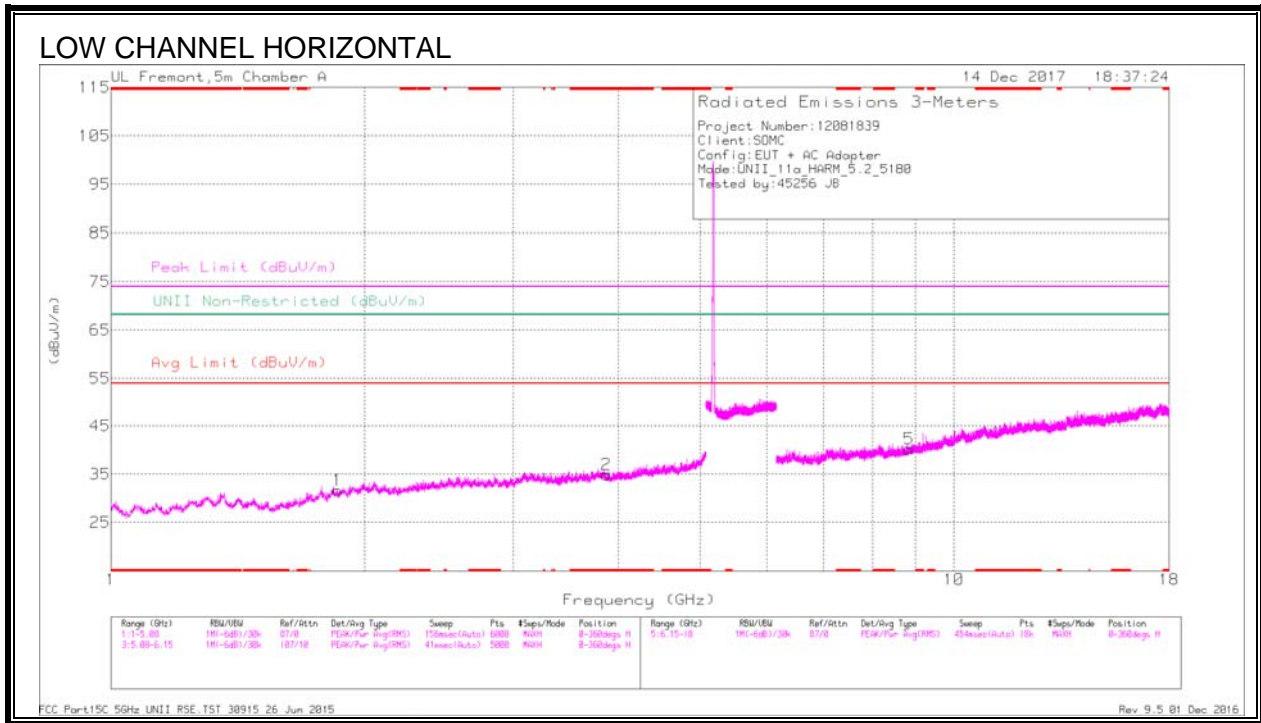


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.88	Pk	34.4	-18.5	0	55.78	-	-	74	-18.22	53	217	V
2	* 5.03	42.45	Pk	34.4	-18.2	0	58.65	-	-	74	-15.35	53	217	V
3	* 5.15	30.41	RMS	34.4	-18.5	.11	46.42	54	-7.58	-	-	53	217	V
4	* 5.015	32.12	RMS	34.4	-18.3	.11	48.33	54	-5.67	-	-	53	217	V

* - indicates frequency in CFR15.205 - Restricted Band
 Pk - Peak detector
 RMS - RMS detection

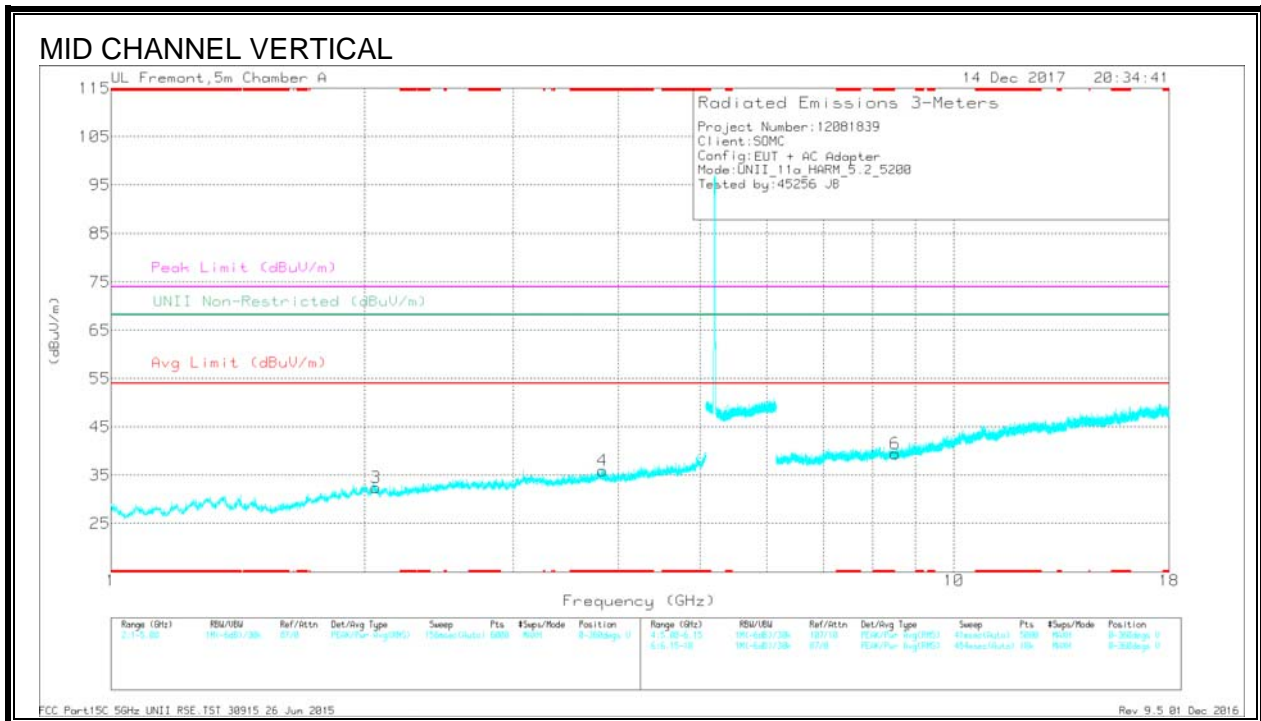
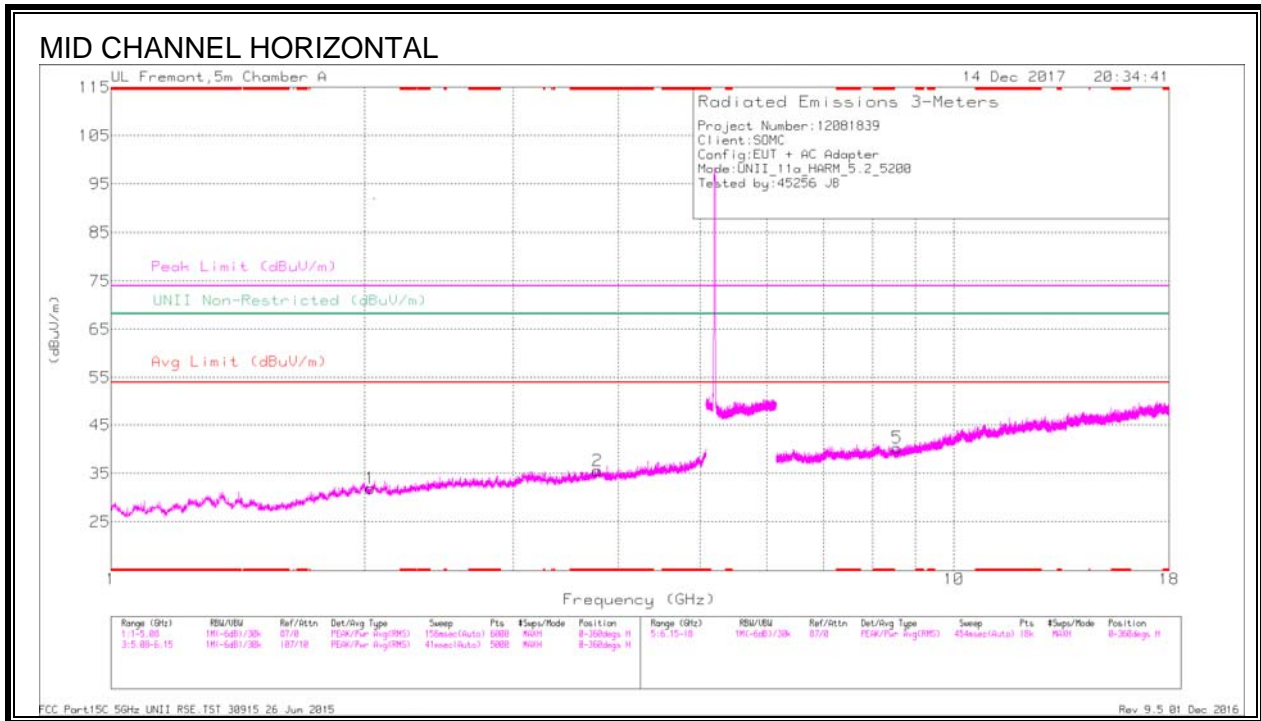
HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.867	37.42	PK-U	33	-28.5	0	41.92	-	-	74	-32.08	-	-	118	397	H
	* 3.866	25.43	ADR	33	-28.5	.11	30.04	54	-23.96	-	-	-	-	118	397	H
4	* 3.921	36.83	PK-U	33.2	-28.8	0	41.23	-	-	74	-32.77	-	-	353	172	V
	* 3.923	25.27	ADR	33.2	-28.8	.11	29.78	54	-24.22	-	-	-	-	353	172	V
1	1.857	39.45	PK-U	30.9	-31.3	0	39.05	-	-	-	-	68.2	-29.15	243	132	H
3	1.869	38.35	PK-U	31	-31.4	0	37.95	-	-	-	-	68.2	-30.25	322	339	V
6	8.848	33.74	PK-U	36.1	-22.3	0	47.54	-	-	-	-	68.2	-20.66	126	386	V
5	8.849	33.46	PK-U	36.1	-22.3	0	47.26	-	-	-	-	68.2	-20.94	34	127	H

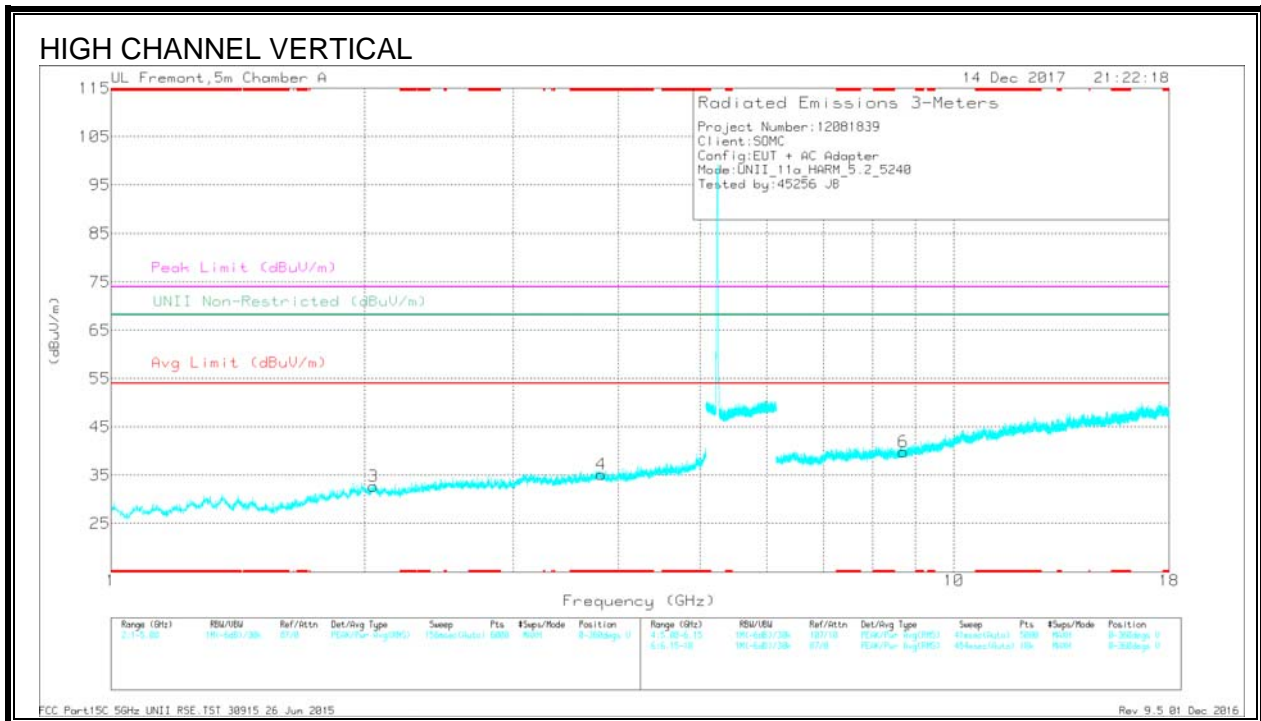
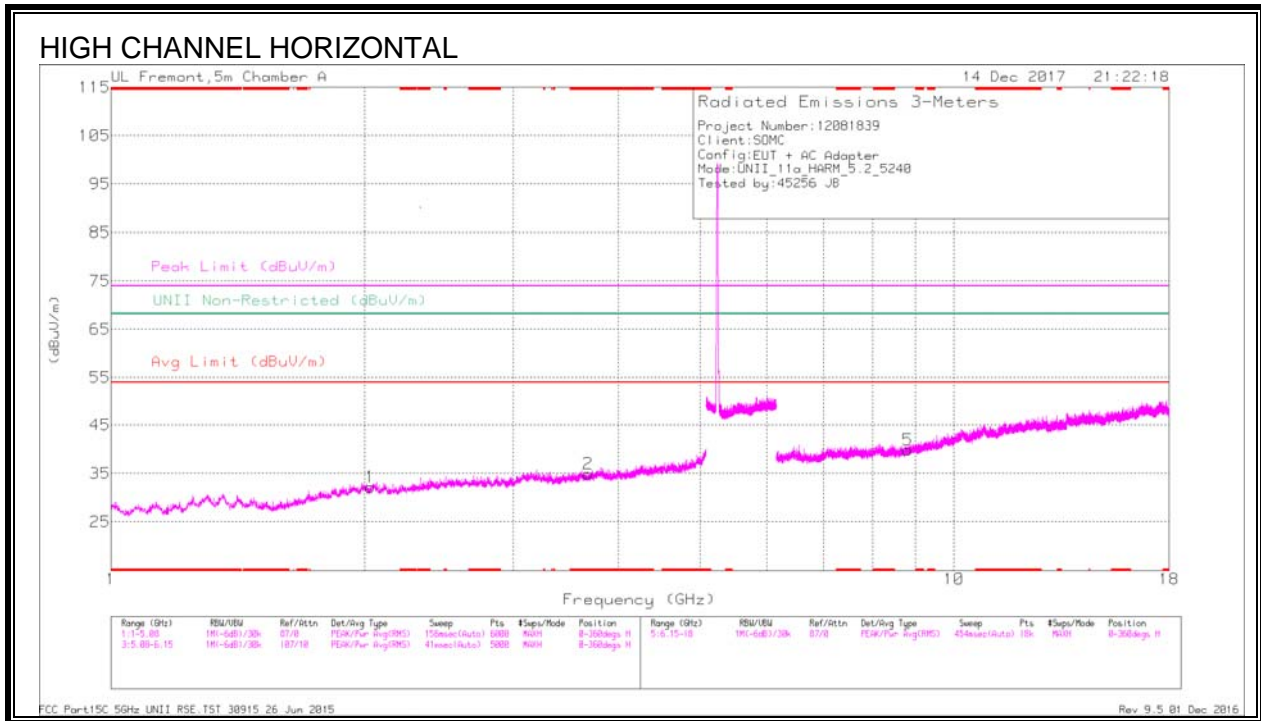
* - indicates frequency in CFR47 Pt 15 - Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.779	36.73	PK-U	33.2	-28.1	0	41.83	-	-	74	-32.17	-	-	293	137	H
	* 3.781	25.32	ADR	33.2	-28	.11	30.63	54	-23.37	-	-	-	-	293	137	H
4	* 3.828	36.98	PK-U	33.1	-28	0	42.08	-	-	74	-31.92	-	-	299	246	V
	* 3.829	25.46	ADR	33.1	-28	.11	30.67	54	-23.33	-	-	-	-	299	246	V
1	2.028	37.6	PK-U	31.4	-30.2	0	38.8	-	-	-	-	68.2	-29.4	248	129	H
3	2.06	37.85	PK-U	31.3	-30.3	0	38.85	-	-	-	-	68.2	-29.35	327	187	V
6	8.516	32.58	PK-U	35.8	-22.5	0	45.88	-	-	-	-	68.2	-22.32	280	202	V
5	8.562	33.31	PK-U	35.8	-22.5	0	46.61	-	-	-	-	68.2	-21.59	305	122	H

* - indicates frequency in CFR47 Pt 15 - Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.681	37.36	PK-U	33	-29	0	41.36	-	-	74	-32.64	-	-	38	173	H
	* 3.683	25.29	ADR	33	-29	.11	29.4	54	-24.6	-	-	-	-	38	173	H
4	* 3.819	36.82	PK-U	33.1	-28	0	41.92	-	-	74	-32.08	-	-	280	154	V
	* 3.821	25.21	ADR	33.1	-28	.11	30.42	54	-23.58	-	-	-	-	280	154	V
1	2.029	37.34	PK-U	31.4	-30.2	0	38.54	-	-	-	-	68.2	-29.66	164	238	H
3	2.046	38.13	PK-U	31.4	-30.1	0	39.43	-	-	-	-	68.2	-28.77	223	138	V
6	8.709	32.53	PK-U	36	-21.9	0	46.63	-	-	-	-	68.2	-21.57	255	249	V
5	8.819	32.56	PK-U	36.1	-22.1	0	46.56	-	-	-	-	68.2	-21.64	137	269	H

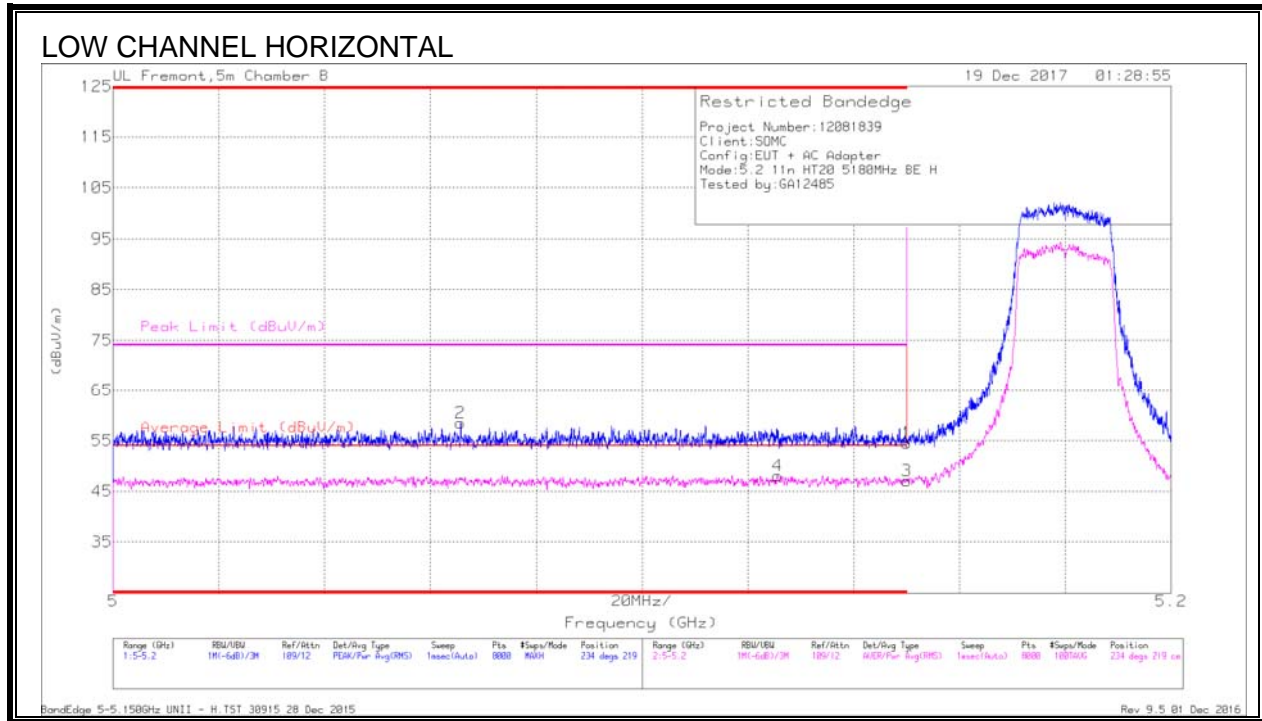
* - indicates frequency in CFR15.205 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.2. 11n HT20 2TX CDD MIMO MODE IN THE 5.2GHZ BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



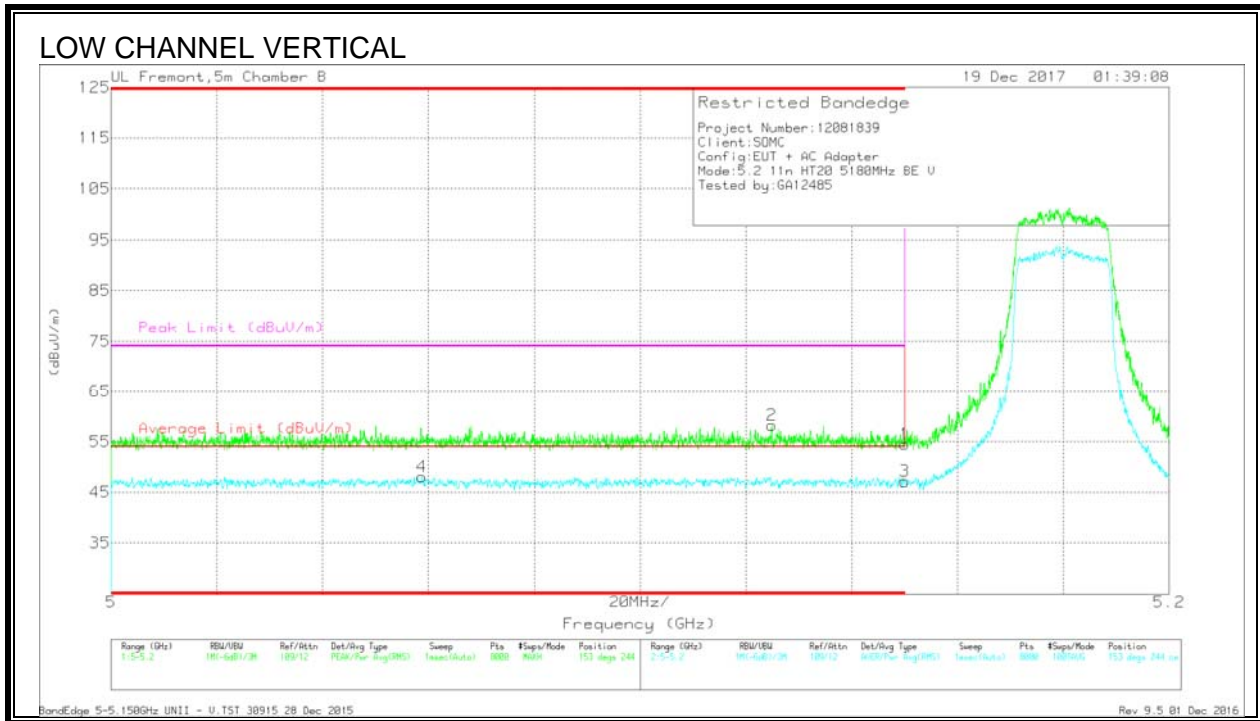
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.67	Pk	34.4	-18.5	0	54.57	-	-	74	-19.43	234	219	H
2	* 5.066	42.29	Pk	34.4	-18.2	0	58.49	-	-	74	-15.51	234	219	H
3	* 5.15	31.21	RMS	34.4	-18.5	.14	47.25	54	-6.75	-	-	234	219	H
4	* 5.126	32	RMS	34.4	-18.4	.14	48.14	54	-5.86	-	-	234	219	H

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

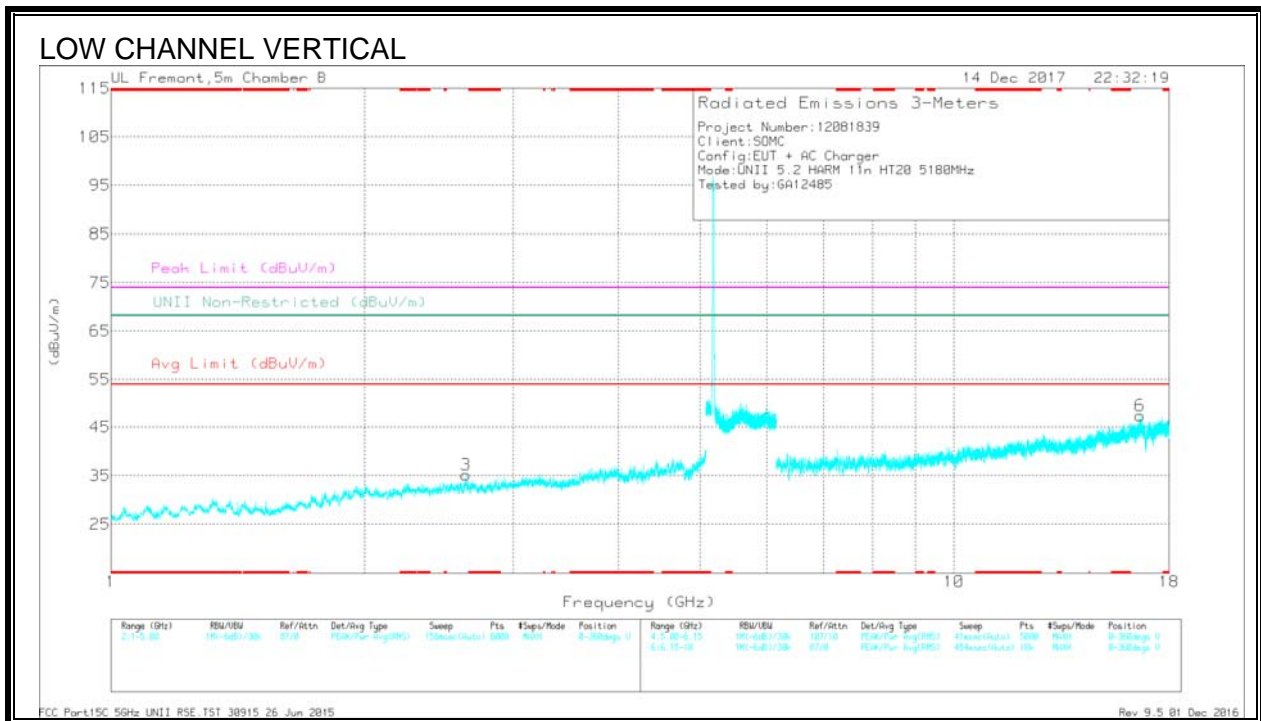
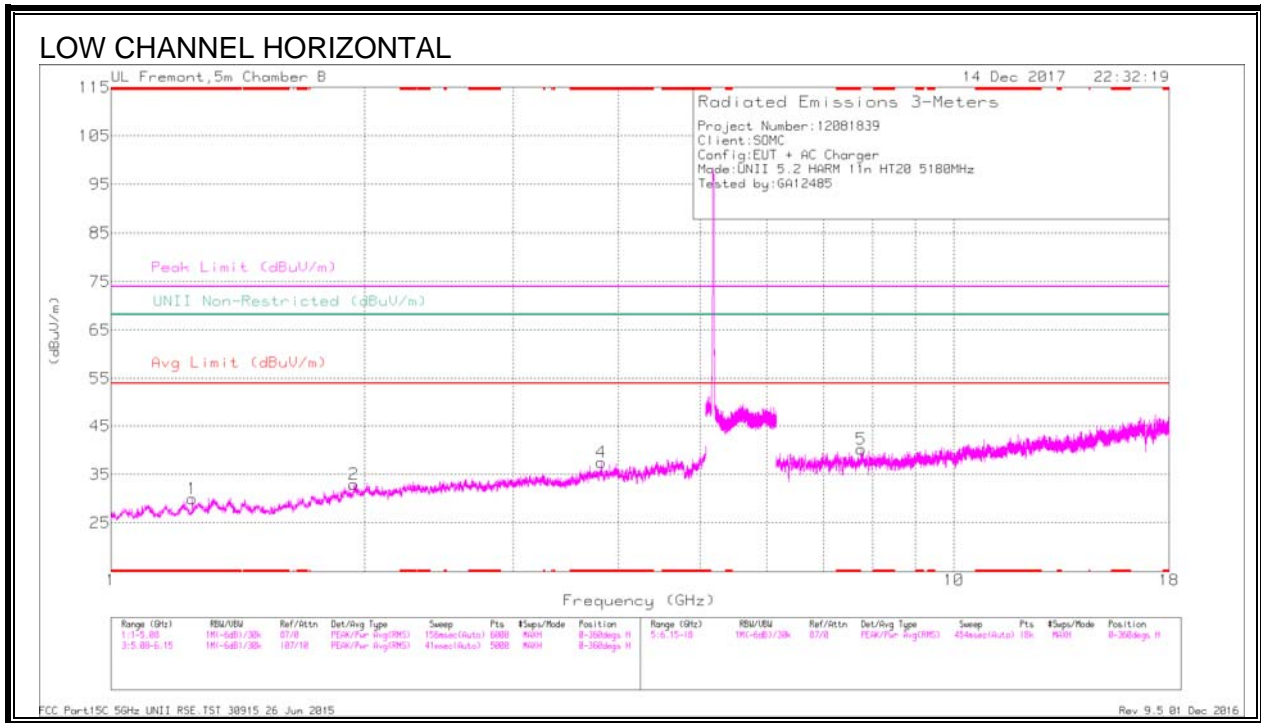
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.58	Pk	34.4	-18.5	0	54.48	-	-	74	-19.52	153	244	V
2	* 5.125	42.19	Pk	34.4	-18.4	0	58.19	-	-	74	-15.81	153	244	V
3	* 5.15	31.09	RMS	34.4	-18.5	.14	47.13	54	-6.87	-	-	153	244	V
4	* 5.059	31.67	RMS	34.4	-18.1	.14	48.11	54	-5.89	-	-	153	244	V

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection

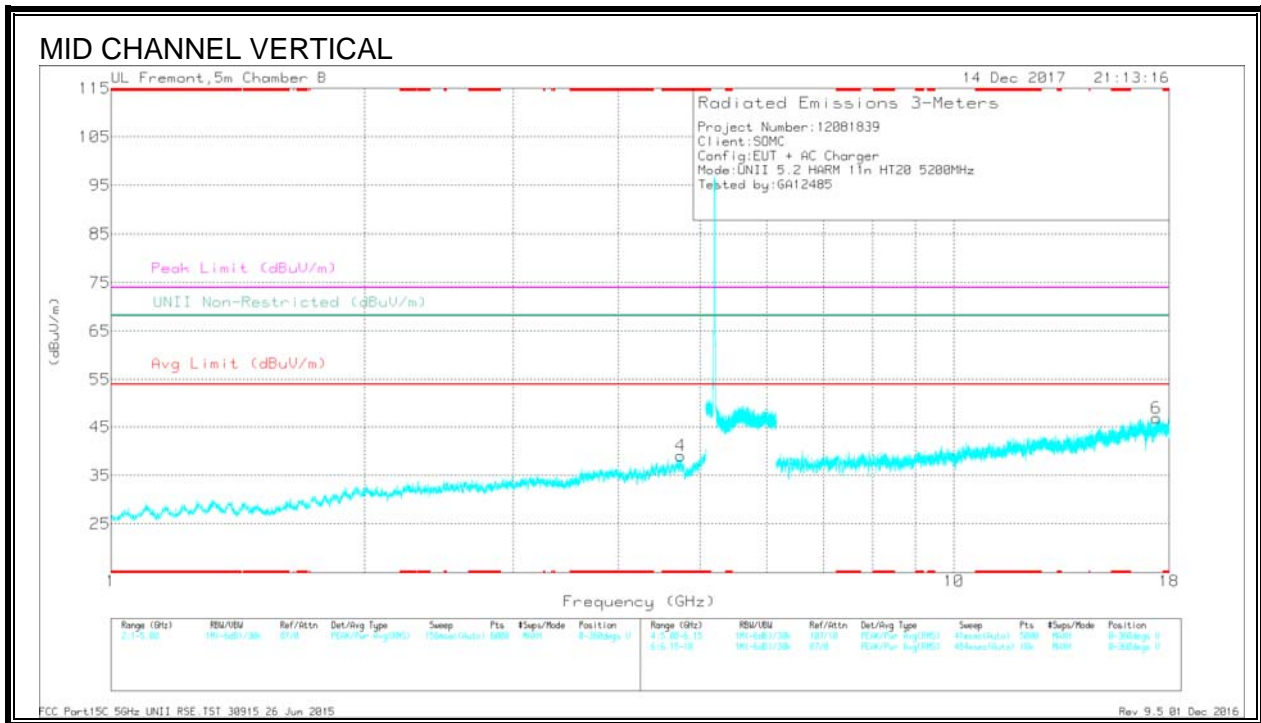
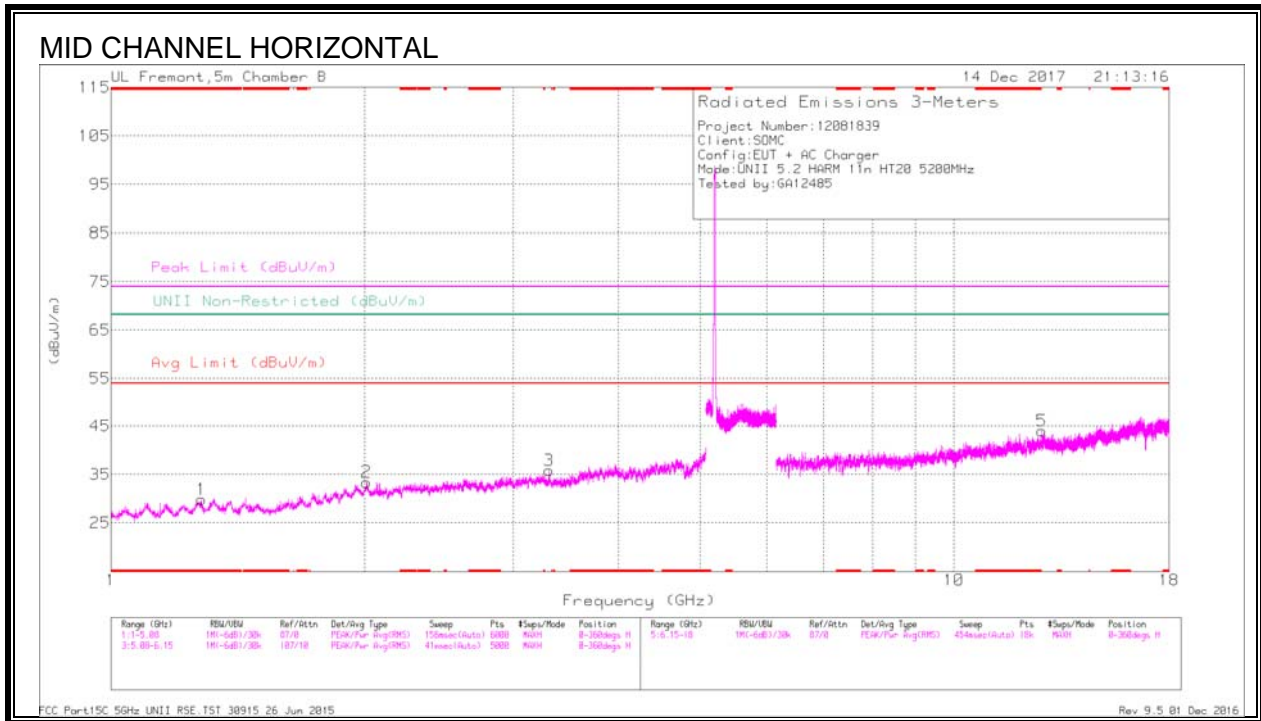
HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	41.32	PK-U	28.8	-34.4	0	35.72	-	-	74	-38.28	-	-	41	342	H
	* 1.251	28.45	ADR	28.8	-34.4	.14	22.99	54	-31.01	-	-	-	-	41	342	H
4	* 3.82	40.38	PK-U	33.5	-30.8	0	43.08	-	-	74	-30.92	-	-	276	155	H
	* 3.821	28.08	ADR	33.5	-30.8	.14	30.92	54	-23.08	-	-	-	-	276	155	H
2	1.941	40.62	PK-U	31.1	-32.2	0	39.52	-	-	-	-	68.2	-28.68	261	373	H
3	2.637	39.4	PK-U	32.5	-31.5	0	40.4	-	-	-	-	68.2	-27.8	161	162	V
5	7.765	35.75	PK-U	36	-26.3	0	45.45	-	-	-	-	68.2	-22.75	74	312	H
6	16.622	29.73	PK-U	42.1	-18.9	0	52.93	-	-	-	-	68.2	-15.27	321	172	V

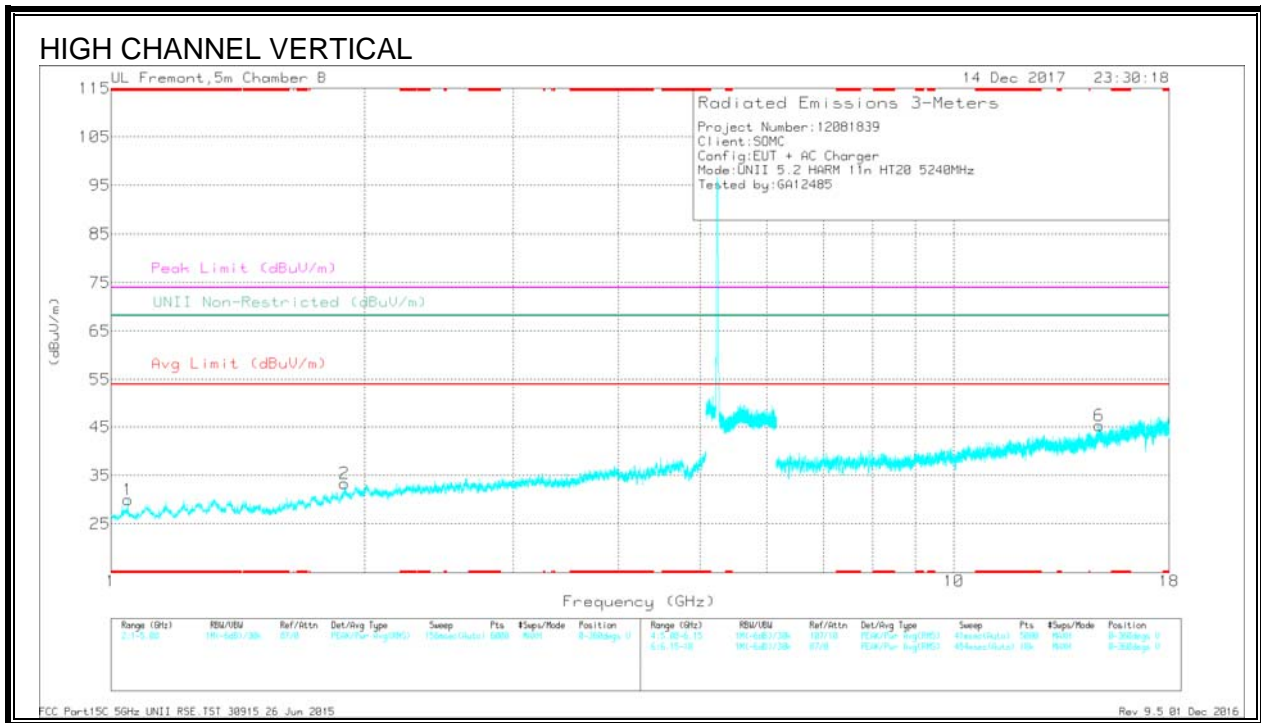
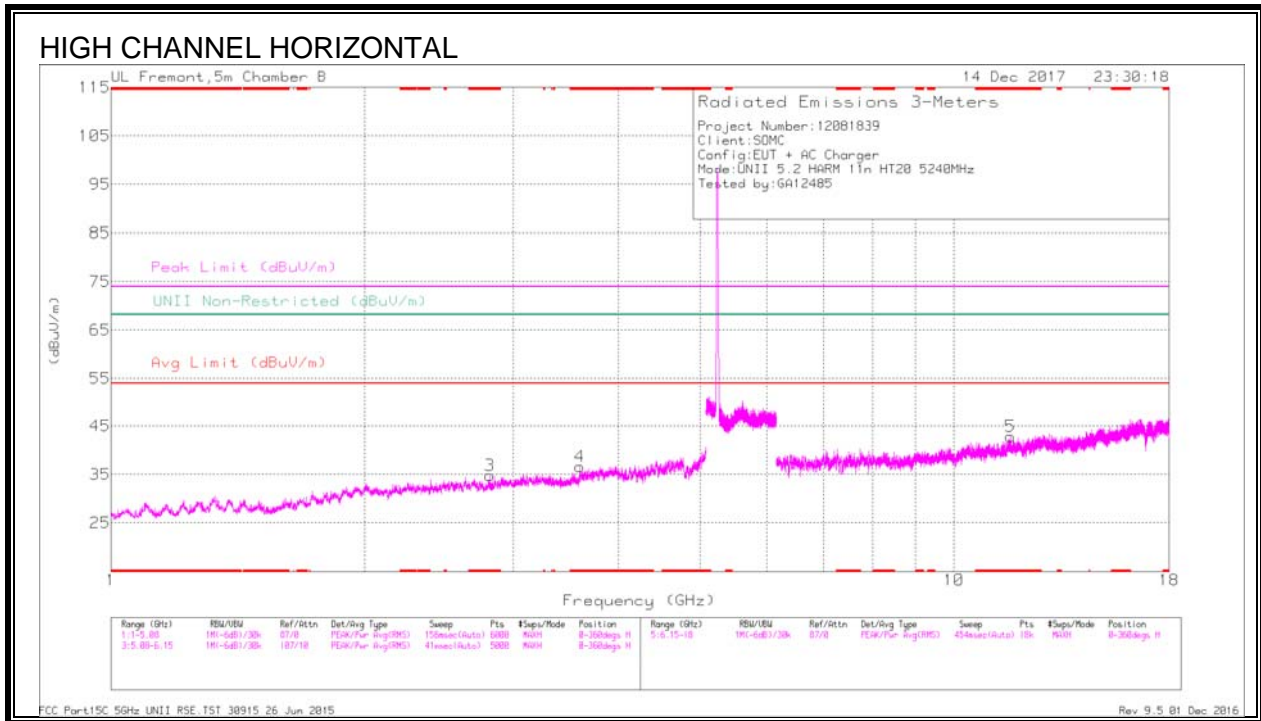
* - indicates frequency in CFR47 Pt 15 - Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.278	41.1	PK-U	28.9	-34.2	0	35.8	-	-	74	-38.2	-	-	50	139	H
	* 1.279	29.2	ADR	28.9	-34.2	.14	24.04	54	-29.96	-	-	-	-	50	139	H
4	* 4.743	39.63	PK-U	34.2	-29	0	44.83	-	-	74	-29.17	-	-	39	366	V
	* 4.74	27.61	ADR	34.2	-28.9	.14	33.05	54	-20.95	-	-	-	-	39	366	V
2	2.01	39.91	PK-U	31.3	-32	0	39.21	-	-	-	-	68.2	-28.99	152	198	H
3	3.309	39.9	PK-U	32.9	-30.9	0	41.9	-	-	-	-	68.2	-26.3	161	244	H
5	12.71	31.03	PK-U	39.3	-22.1	0	48.23	-	-	-	-	68.2	-19.97	192	232	H
6	17.397	29.24	PK-U	41.7	-19	0	51.94	-	-	-	-	68.2	-16.26	356	393	V

* - indicates frequency in CFR47 Pt 15 - Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (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
3	* 2.815	39.64	PK-U	32.4	-32	0	40.04	-	-	74	-33.96	-	-	339	193	H
	2.815	27.39	ADR	32.4	-32	.14	27.93	54	-26.07	-	-	-	-	339	193	H
4	* 3.601	40.65	PK-U	33.2	-31	0	42.85	-	-	74	-31.15	-	-	106	198	H
	3.601	27.8	ADR	33.2	-31	.14	30.14	54	-23.86	-	-	-	-	106	198	H
1	* 1.048	41.54	PK-U	27	-34.1	0	34.44	-	-	74	-39.56	-	-	269	283	V
	1.045	29.79	ADR	27	-34.2	.14	22.73	54	-31.27	-	-	-	-	269	283	V
5	* 11.677	32.42	PK-U	38.4	-21.9	0	48.92	-	-	74	-25.08	-	-	46	305	H
	11.675	19.06	ADR	38.3	-22	.14	35.5	54	-18.5	-	-	-	-	46	305	H
2	1.893	40.71	PK-U	30.9	-32.7	0	38.91	-	-	-	-	68.2	-29.29	356	146	V
6	14.863	31.66	PK-U	40.6	-21.7	0	50.56	-	-	-	-	68.2	-17.64	3	151	V

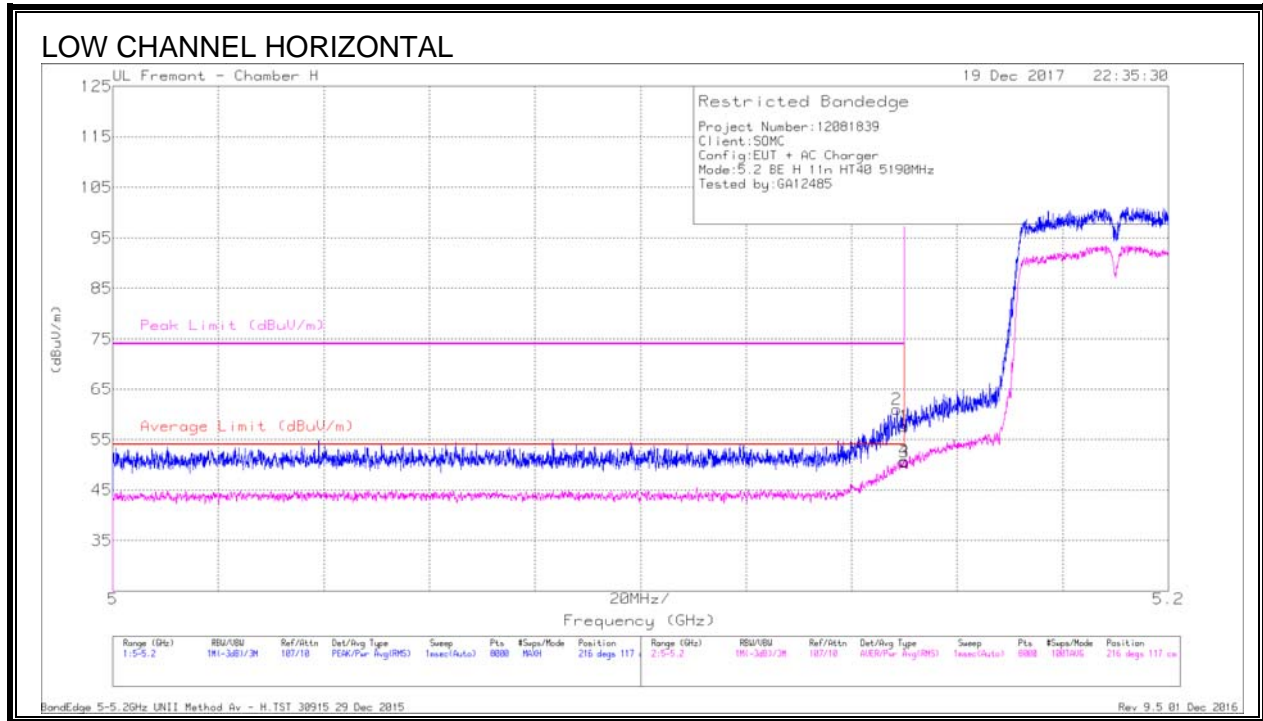
* - indicates frequency in CFR47 Pt 15 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.3. 11n HT40 2TX CDD MIMO MODE IN THE 5.2GHZ BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



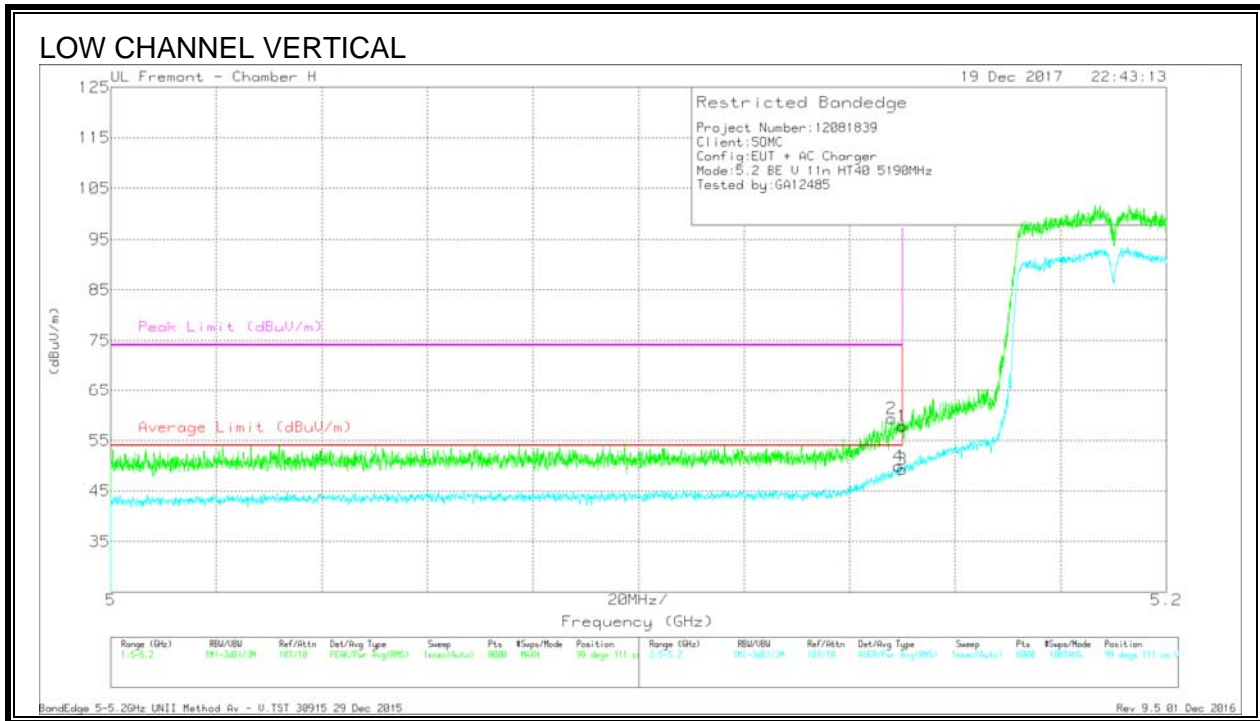
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/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	47.86	Pk	34.2	-24.4	0	57.66	-	-	74	-16.34	216	117	H
2	* 5.149	51.13	Pk	34.2	-24.4	0	60.93	-	-	74	-13.07	216	117	H
3	* 5.15	40.38	RMS	34.2	-24.4	.41	50.59	54	-3.41	-	-	216	117	H
4	* 5.15	40.52	RMS	34.2	-24.4	.41	50.73	54	-3.27	-	-	216	117	H

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

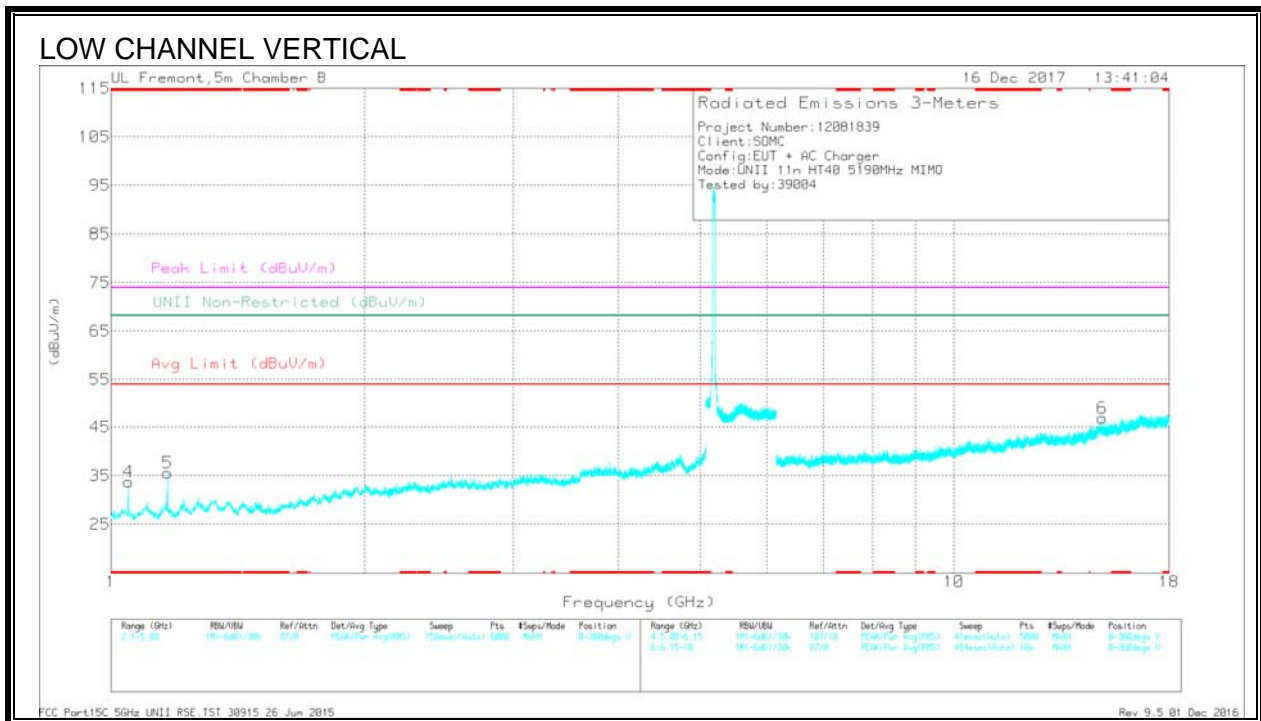
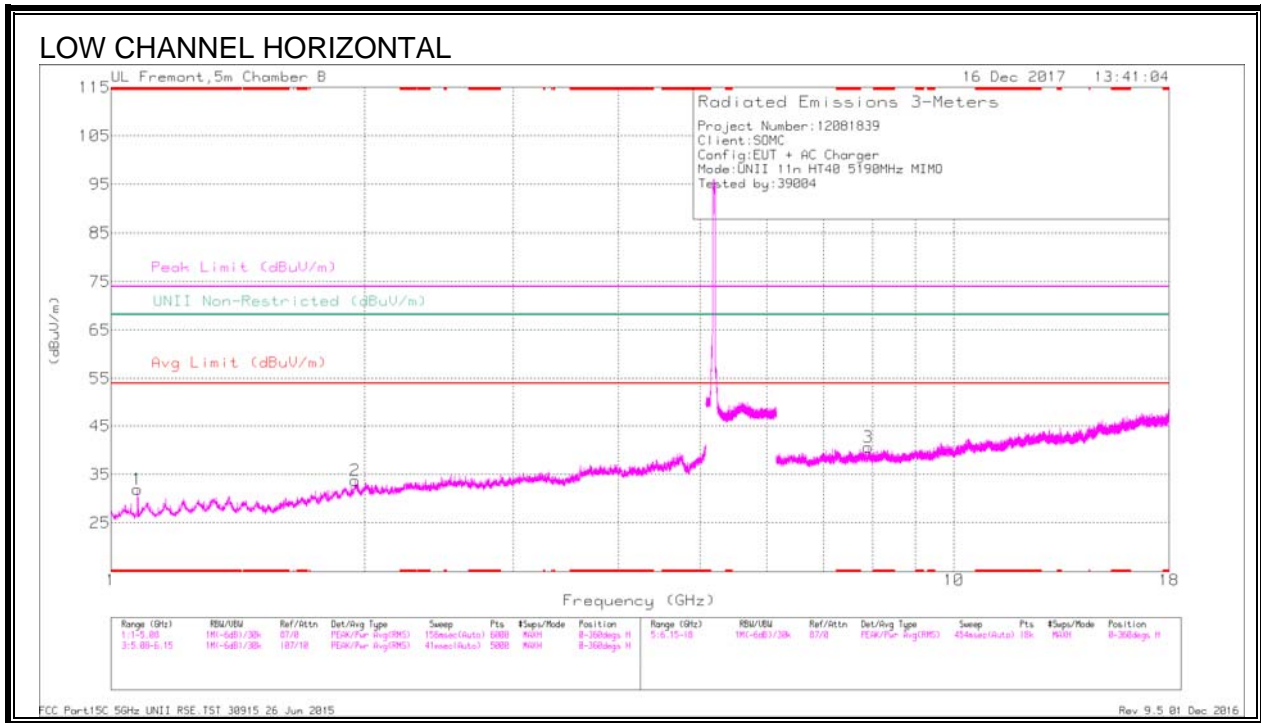
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.1	Pk	34.2	-24.4	0	57.9	-	-	74	-16.1	99	111	V
2	* 5.148	49.52	Pk	34.2	-24.4	0	59.32	-	-	74	-14.68	99	111	V
3	* 5.15	39.11	RMS	34.2	-24.4	.41	49.32	54	-4.68	-	-	99	111	V
4	* 5.149	39.72	RMS	34.2	-24.4	.41	49.93	54	-4.07	-	-	99	111	V

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection

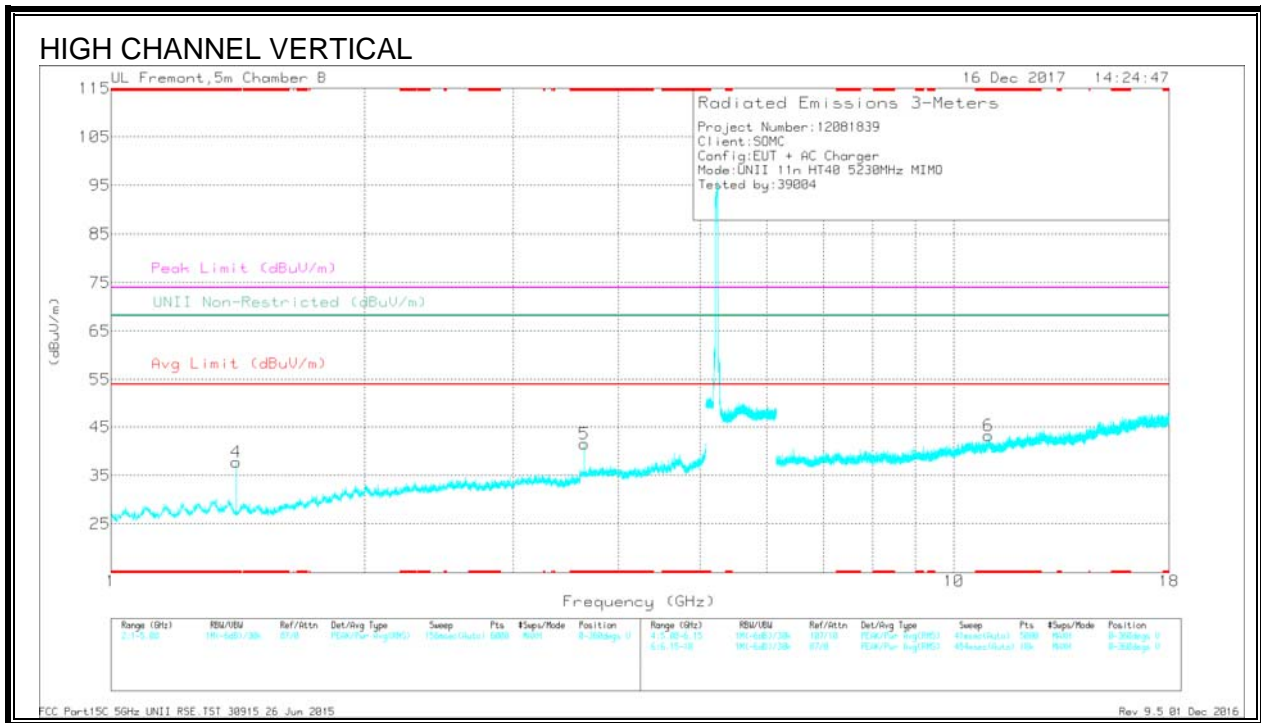
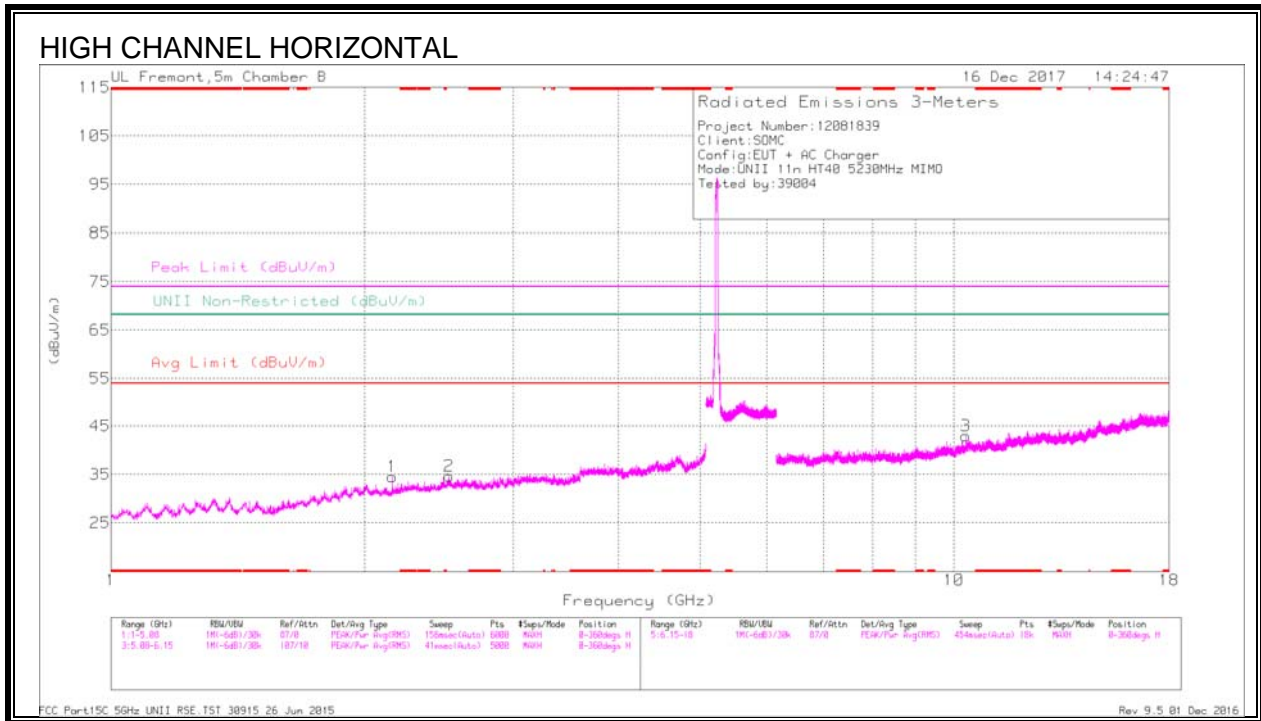
HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.075	40.64	PK-U	27.3	-34.4	0	33.54	-	-	74	-40.46	-	-	88	363	H
	* 1.076	29.1	ADR	27.3	-34.4	.41	22.41	54	-31.59	-	-	-	-	88	363	H
4	* 1.05	42.06	PK-U	27	-34.5	0	34.56	-	-	74	-39.44	-	-	46	110	V
	* 1.047	30.01	ADR	27	-34.6	.41	22.82	54	-31.18	-	-	-	-	46	110	V
5	* 1.166	42.11	PK-U	27.6	-34.4	0	35.31	-	-	74	-38.69	-	-	274	244	V
	* 1.165	30.12	ADR	27.6	-34.4	.41	23.73	54	-30.27	-	-	-	-	274	244	V
2	1.949	40.8	PK-U	31.1	-32.6	0	39.3	-	-	-	-	68.2	-28.9	292	218	H
3	7.909	37.61	PK-U	36	-28	0	45.61	-	-	-	-	68.2	-22.59	312	122	H
6	14.994	33.93	PK-U	40.6	-23.2	0	51.33	-	-	-	-	68.2	-16.87	237	135	V

* - indicates frequency in CFR47 Pt 15 - Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



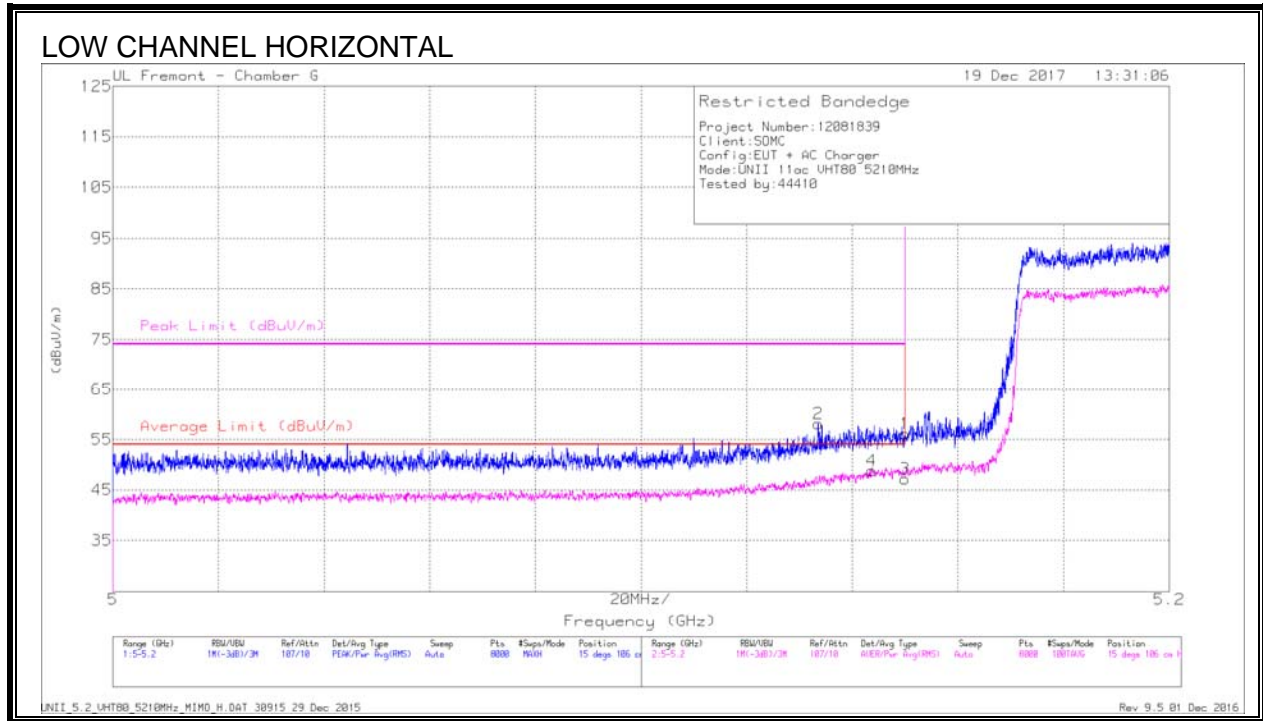
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.41	40.55	PK-U	28.2	-33.8	0	34.95	-	-	74	-39.05	-	-	295	246	V
	* 1.407	28.22	ADR	28.2	-33.8	.41	23.03	54	-30.97	-	-	-	-	295	246	V
5	* 3.645	40.75	PK-U	33.2	-31.9	0	42.05	-	-	74	-31.95	-	-	90	251	V
	* 3.645	29	ADR	33.2	-31.9	.41	30.71	54	-23.29	-	-	-	-	90	251	V
6	* 10.978	34.7	PK-U	37.7	-23.7	0	48.7	-	-	74	-25.3	-	-	218	163	V
	* 10.981	22.95	ADR	37.7	-23.7	.41	37.36	54	-16.64	-	-	-	-	218	163	V
1	2.156	41.07	PK-U	31.4	-33.4	0	39.07	-	-	-	-	68.2	-29.13	96	348	H
2	2.515	41.13	PK-U	32.6	-32.3	0	41.43	-	-	-	-	68.2	-26.77	115	132	H
3	10.323	35.33	PK-U	37.5	-25	0	47.83	-	-	-	-	68.2	-20.37	136	120	H

* - indicates frequency in CFR47 Pt 15 - Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1.4. 11ac HT80 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



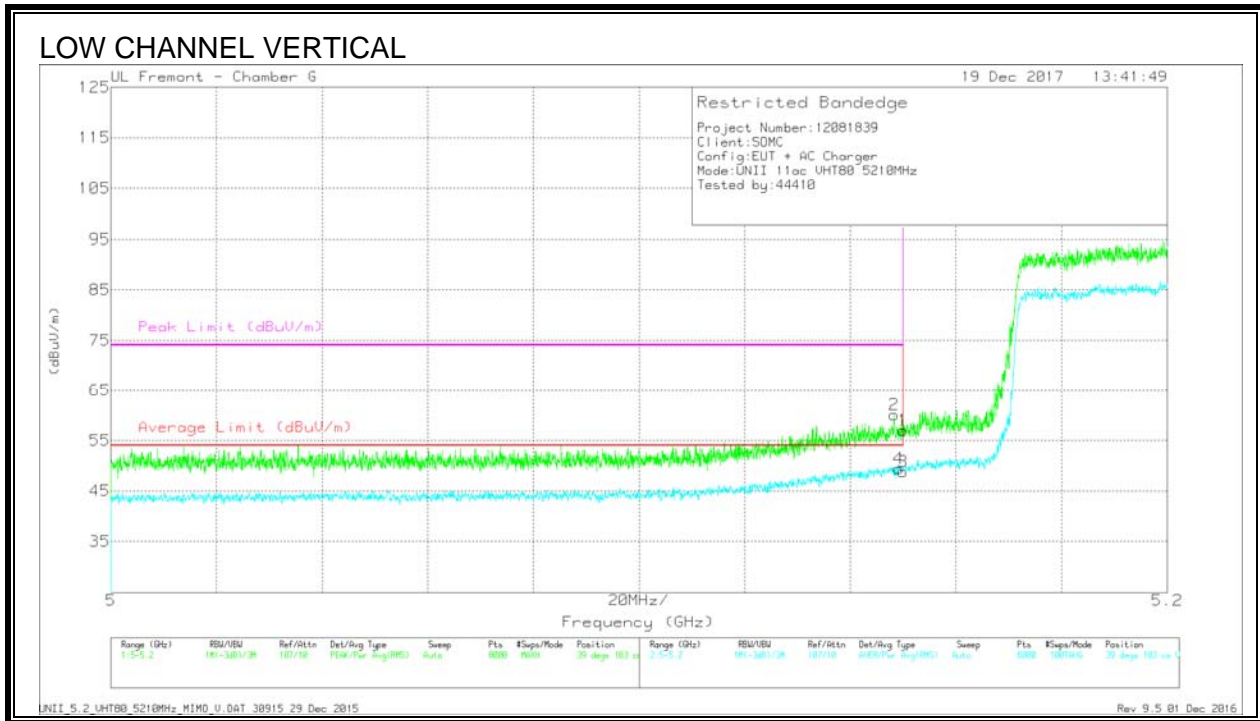
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/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	44.52	Pk	34.3	-22.7	0	56.12	-	-	74	-17.88	15	106	H
2	* 5.134	46.46	Pk	34.3	-22.6	0	58.16	-	-	74	-15.84	15	106	H
3	* 5.15	35.54	RMS	34.3	-22.7	.72	47.86	54	-6.14	-	-	15	106	H
4	* 5.144	37.09	RMS	34.3	-22.6	.72	49.51	54	-4.49	-	-	15	106	H

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

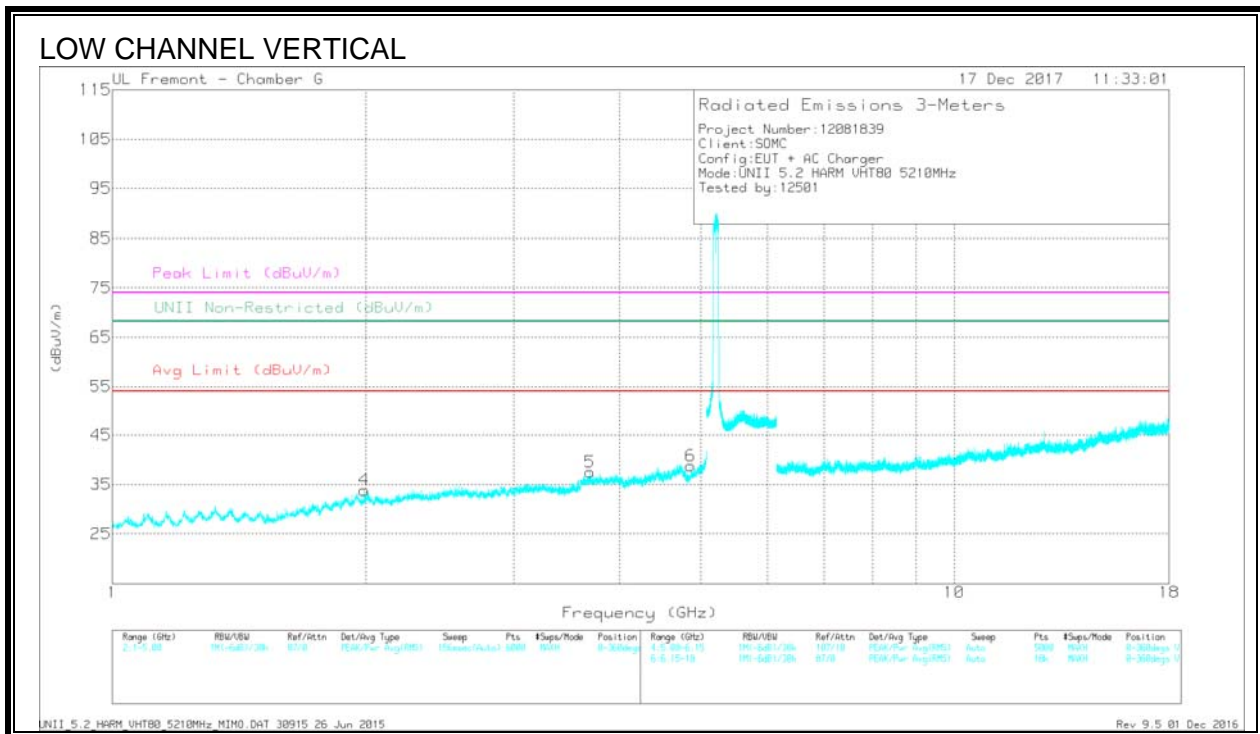
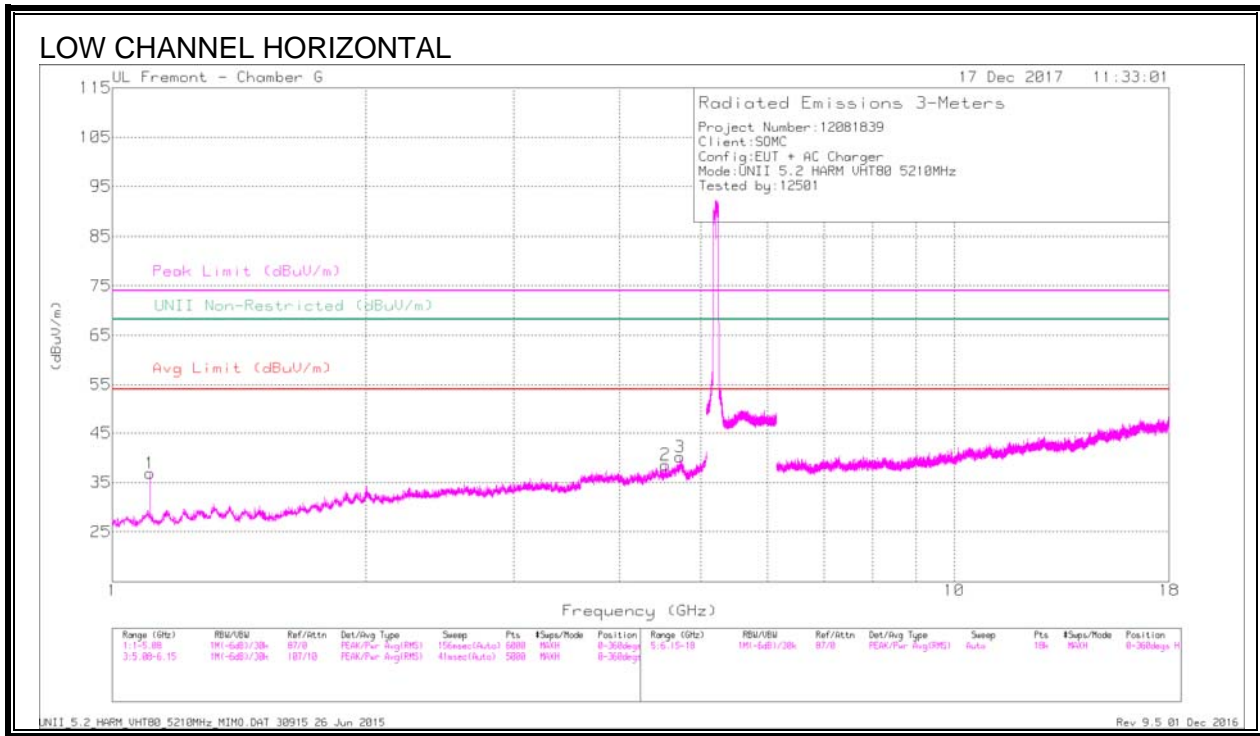
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.41	Pk	34.3	-22.7	0	57.01	-	-	74	-16.99	39	183	V
2	* 5.148	48.53	Pk	34.3	-22.7	0	60.13	-	-	74	-13.87	39	183	V
3	* 5.15	37.25	RMS	34.3	-22.7	.72	49.57	54	-4.43	-	-	39	183	V
4	* 5.149	37.78	RMS	34.3	-22.7	.72	50.1	54	-3.9	-	-	39	183	V

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.106	42.23	PK-U	27.6	-34.3	0	35.53	-	-	74	-38.47	-	-	302	379	H
	* 1.108	30.24	ADR	27.6	-34.4	.72	24.16	54	-29.84	-	-	-	-	302	379	H
2	* 4.54	41.52	PK-U	34.1	-31.1	0	44.52	-	-	74	-29.48	-	-	328	110	H
	* 4.54	29.19	ADR	34.1	-31.1	.72	32.91	54	-21.09	-	-	-	-	328	110	H
3	* 4.725	41.4	PK-U	34.2	-30.1	0	45.5	-	-	74	-28.5	-	-	325	102	H
	* 4.726	29.32	ADR	34.2	-30.1	.72	34.14	54	-19.86	-	-	-	-	325	102	H
5	* 3.693	40.97	PK-U	33.2	-31.7	0	42.47	-	-	74	-31.53	-	-	254	123	V
	* 3.692	29.2	ADR	33.2	-31.7	.72	31.42	54	-22.58	-	-	-	-	254	123	V
6	* 4.862	39.65	PK-U	34.4	-30.5	0	43.55	-	-	74	-30.45	-	-	176	211	V
	* 4.863	27.72	ADR	34.4	-30.4	.72	32.44	54	-21.56	-	-	-	-	176	211	V
4	1.993	40.51	PK-U	31.3	-32.4	0	39.41	-	-	-	-	68.2	-28.79	107	292	V

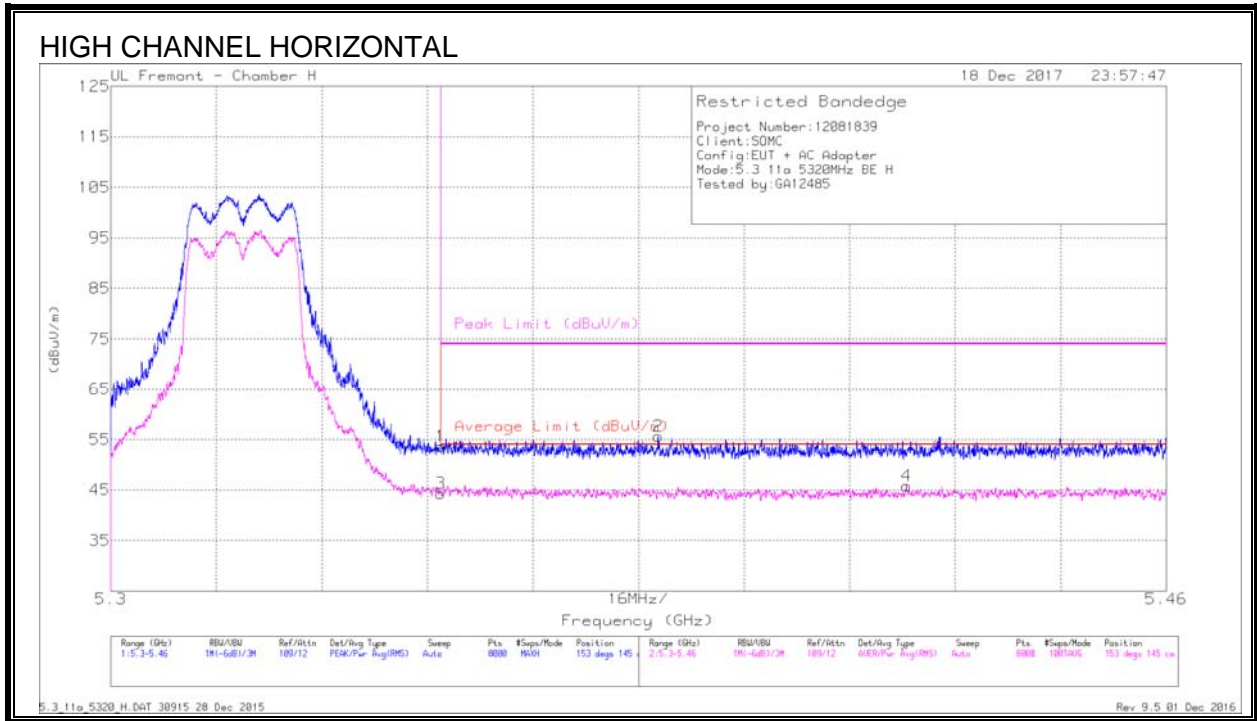
* - indicates frequency in CFR47 Pt 15 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.5. 11a 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



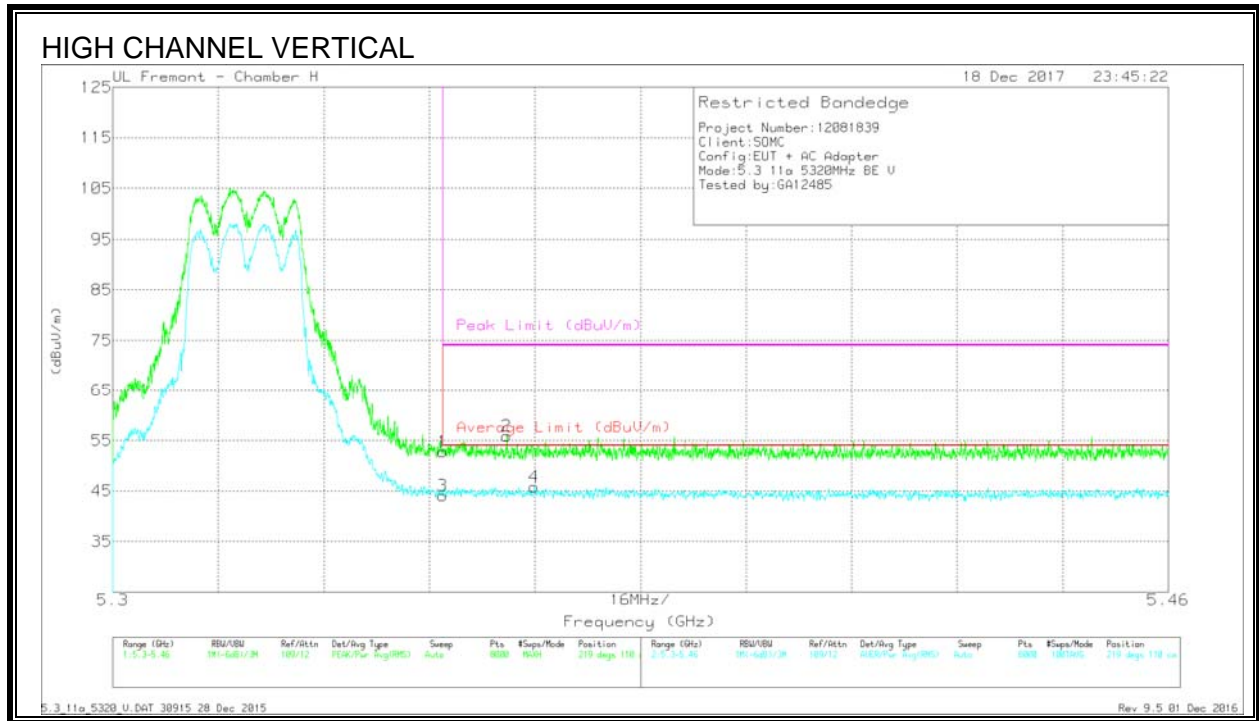
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38	Pk	34.9	-19.2	0	53.7	-	-	74	-20.3	153	145	H
2	* 5.383	39.88	Pk	35	-19.3	0	55.58	-	-	74	-18.42	153	145	H
3	* 5.35	28.6	RMS	34.9	-19.2	.11	44.41	54	-9.59	-	-	153	145	H
4	* 5.421	30.07	RMS	35.1	-19.3	.11	45.98	54	-8.02	-	-	153	145	H

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

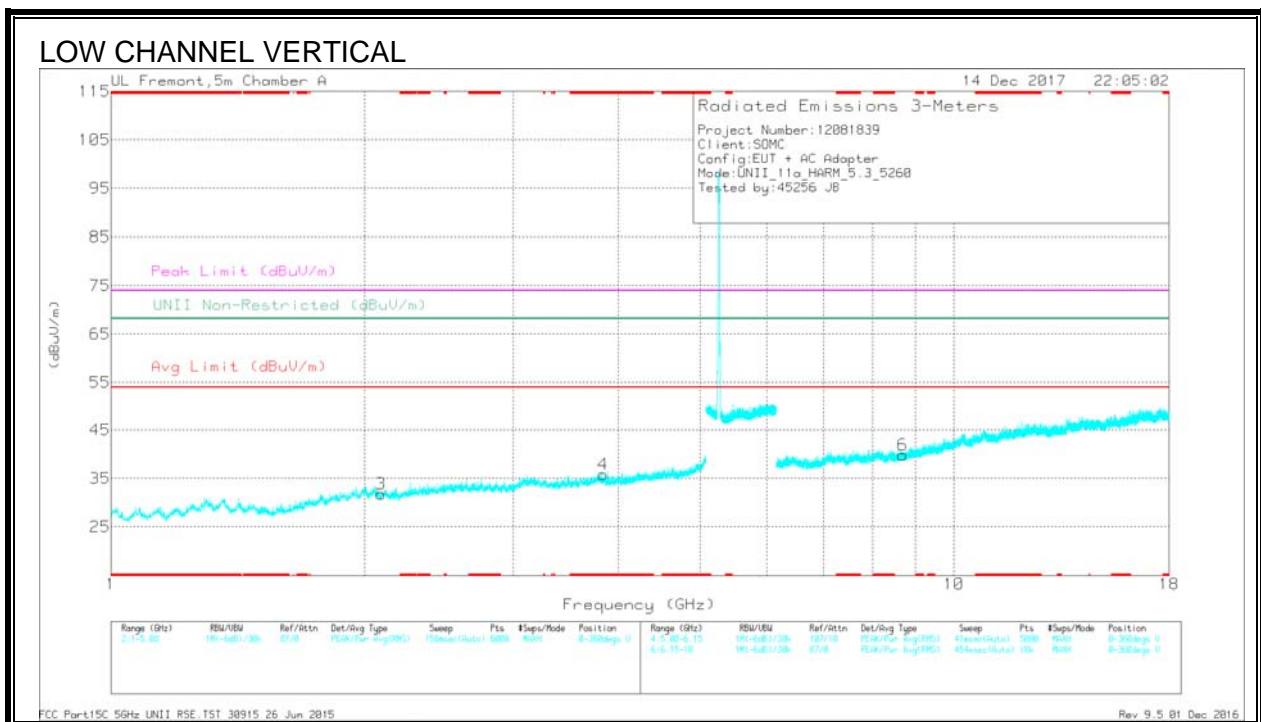
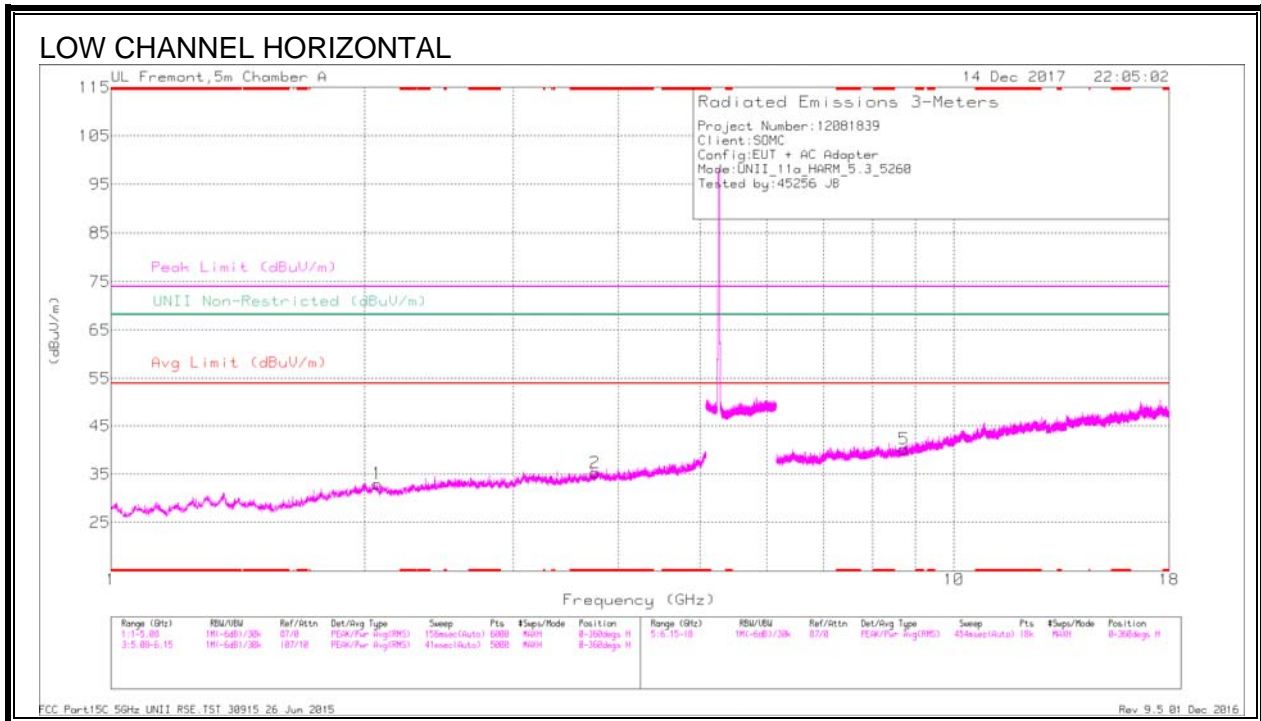
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.11	Pk	34.9	-19.2	0	52.81	-	-	74	-21.19	219	110	V
2	* 5.36	40.3	Pk	34.9	-19.3	0	55.9	-	-	74	-18.1	219	110	V
3	* 5.35	28.39	RMS	34.9	-19.2	.11	44.2	54	-9.8	-	-	219	110	V
4	* 5.364	30.05	RMS	34.9	-19.1	.11	45.96	54	-8.04	-	-	219	110	V

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



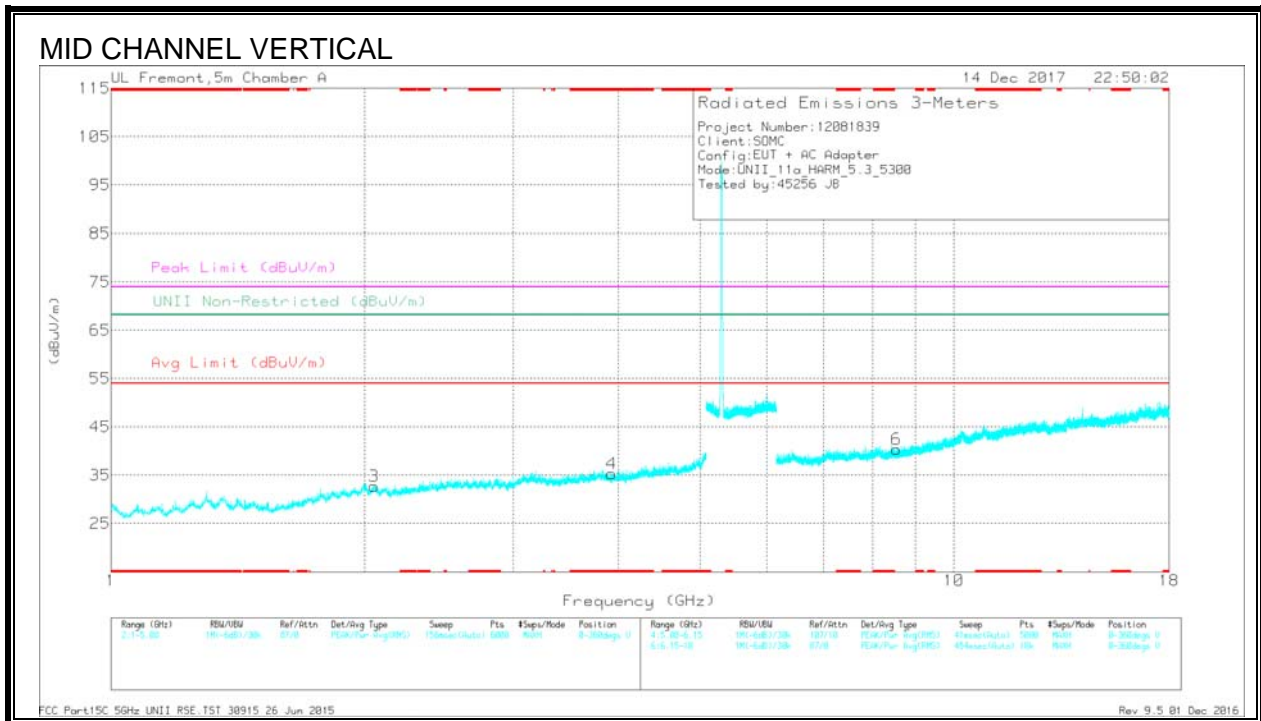
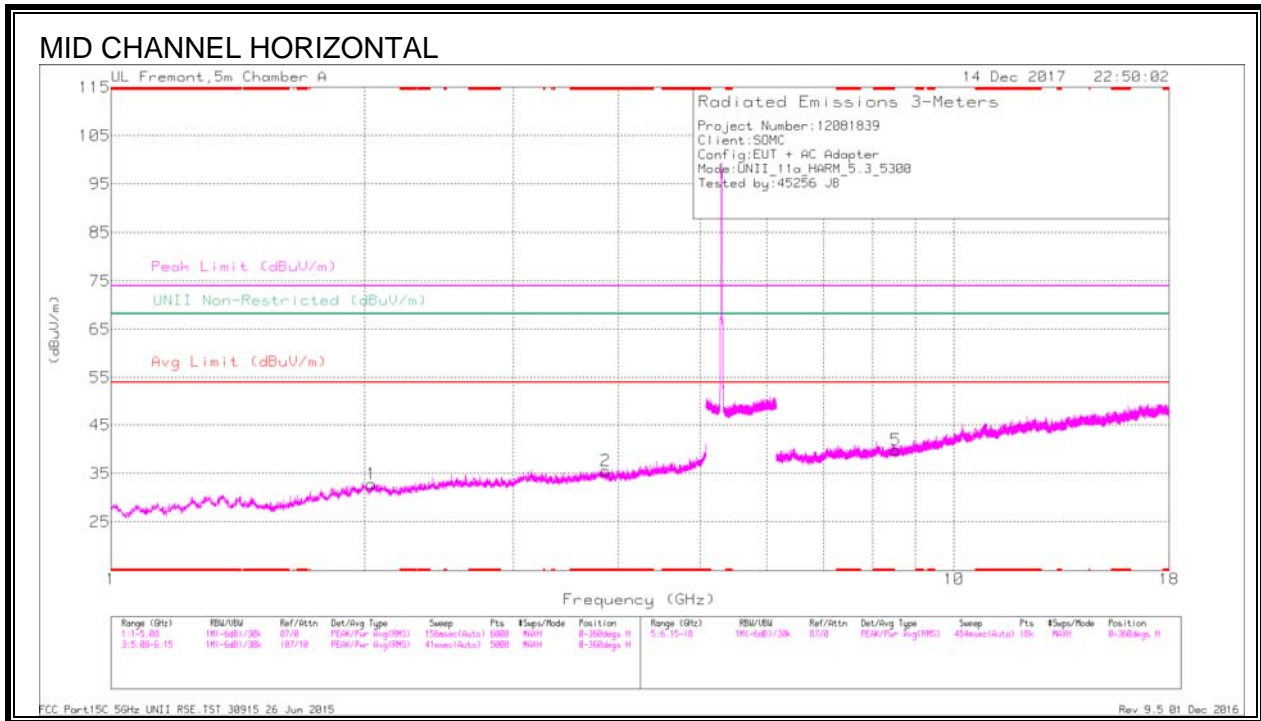
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.754	36.58	PK-U	33.2	-28.4	0	41.38	-	-	74	-32.62	-	-	0	400	H
	* 3.755	25.3	ADR	33.2	-28.4	.11	30.21	54	-23.79	-	-	-	-	0	400	H
4	* 3.838	36.95	PK-U	33	-28.1	0	41.85	-	-	74	-32.15	-	-	256	227	V
	* 3.836	25.3	ADR	33	-28.1	.11	30.31	54	-23.69	-	-	-	-	256	227	V
1	2.069	38.12	PK-U	31.3	-30.2	0	39.22	-	-	-	-	68.2	-28.98	53	104	H
3	2.088	37.84	PK-U	31.2	-30.2	0	38.84	-	-	-	-	68.2	-29.36	277	232	V
6	8.697	32.51	PK-U	36	-22	0	46.51	-	-	-	-	68.2	-21.69	3	125	V
5	8.728	33.37	PK-U	36	-22.3	0	47.07	-	-	-	-	68.2	-21.13	34	142	H

* - indicates frequency in CFR15.205 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



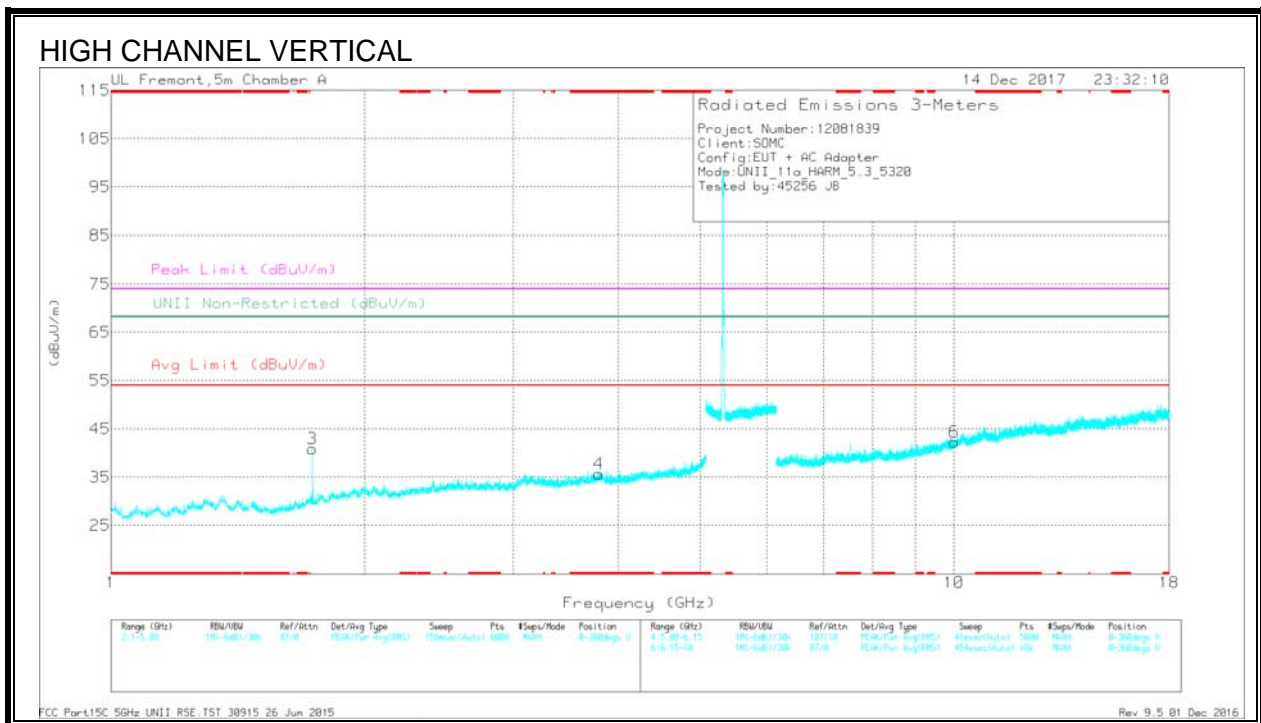
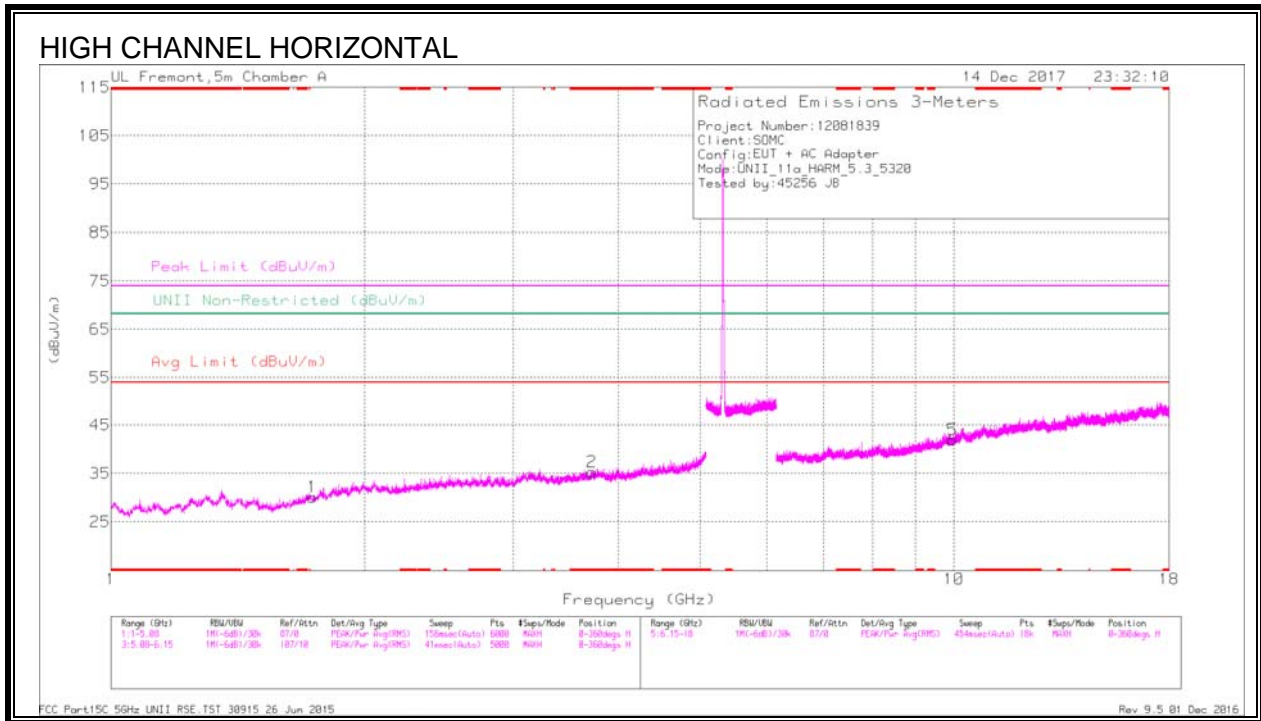
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.861	37.82	PK-U	33	-28.3	0	42.52	-	-	74	-31.48	-	-	121	158	H
	* 3.861	25.4	ADR	33	-28.3	.11	30.21	54	-23.79	-	-	-	-	121	158	H
4	* 3.924	38.68	PK-U	33.2	-28.7	0	43.18	-	-	74	-30.82	-	-	256	396	V
	* 3.928	25.47	ADR	33.2	-28.7	.11	30.08	54	-23.92	-	-	-	-	256	396	V
1	2.037	37.52	PK-U	31.4	-30.1	0	38.82	-	-	-	-	68.2	-29.38	24	396	H
3	2.051	39.1	PK-U	31.4	-30.1	0	40.4	-	-	-	-	68.2	-27.8	147	137	V
5	8.533	32.8	PK-U	35.8	-22.7	0	45.9	-	-	-	-	68.2	-22.3	295	178	H
6	8.544	33.24	PK-U	35.8	-22.7	0	46.34	-	-	-	-	68.2	-21.86	14	255	V

* - indicates frequency in CFR47 Pt 15 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.72	37.56	PK-U	33.1	-28.7	0	41.96	-	-	74	-32.04	-	-	7	172	H
	* 3.718	25.42	ADR	33.1	-28.8	.11	29.83	54	-24.17	-	-	-	-	7	172	H
4	* 3.787	36.39	PK-U	33.2	-28	0	41.59	-	-	74	-32.41	-	-	5	356	V
	* 3.787	25.13	ADR	33.2	-28	.11	30.44	54	-23.56	-	-	-	-	5	356	V
1	1.733	38.47	PK-U	29.5	-30.6	0	37.37	-	-	-	-	68.2	-30.83	201	196	H
3	1.732	38.62	PK-U	29.5	-30.6	0	37.52	-	-	-	-	68.2	-30.68	42	390	V
5	9.961	32.24	PK-U	37.2	-20.9	0	48.54	-	-	-	-	68.2	-19.66	250	272	H
6	10.011	32.13	PK-U	37.3	-20.6	0	48.83	-	-	-	-	68.2	-19.37	315	195	V

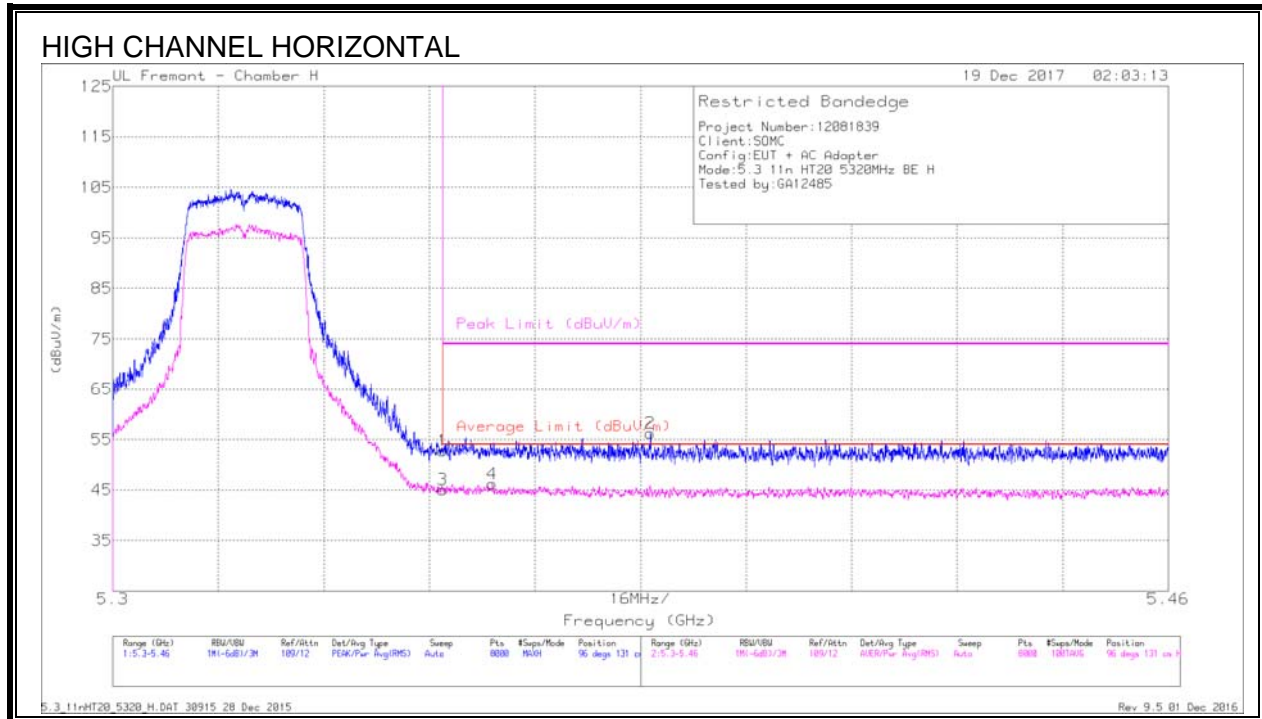
* - indicates frequency in CFR47 Pt 15 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.6. 11n HT20 2TX CDD MIMO MODE IN THE 5.3GHZ BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



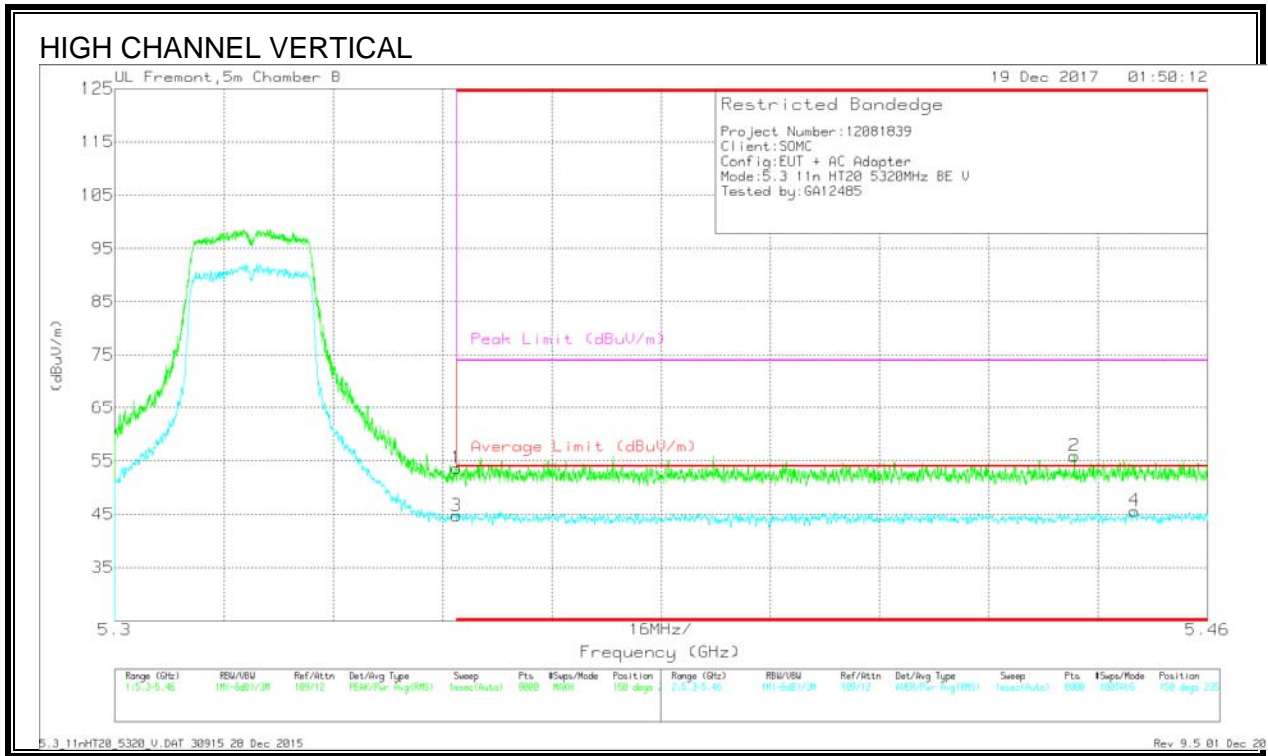
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.03	Pk	34.9	-19.2	0	52.73	-	-	74	-21.27	96	131	H
2	* 5.382	40.34	Pk	35	-19.1	0	56.24	-	-	74	-17.76	96	131	H
3	* 5.35	29.35	RMS	34.9	-19.2	.14	45.19	54	-8.81	-	-	96	131	H
4	* 5.358	30.36	RMS	34.9	-19.1	.14	46.3	54	-7.7	-	-	96	131	H

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

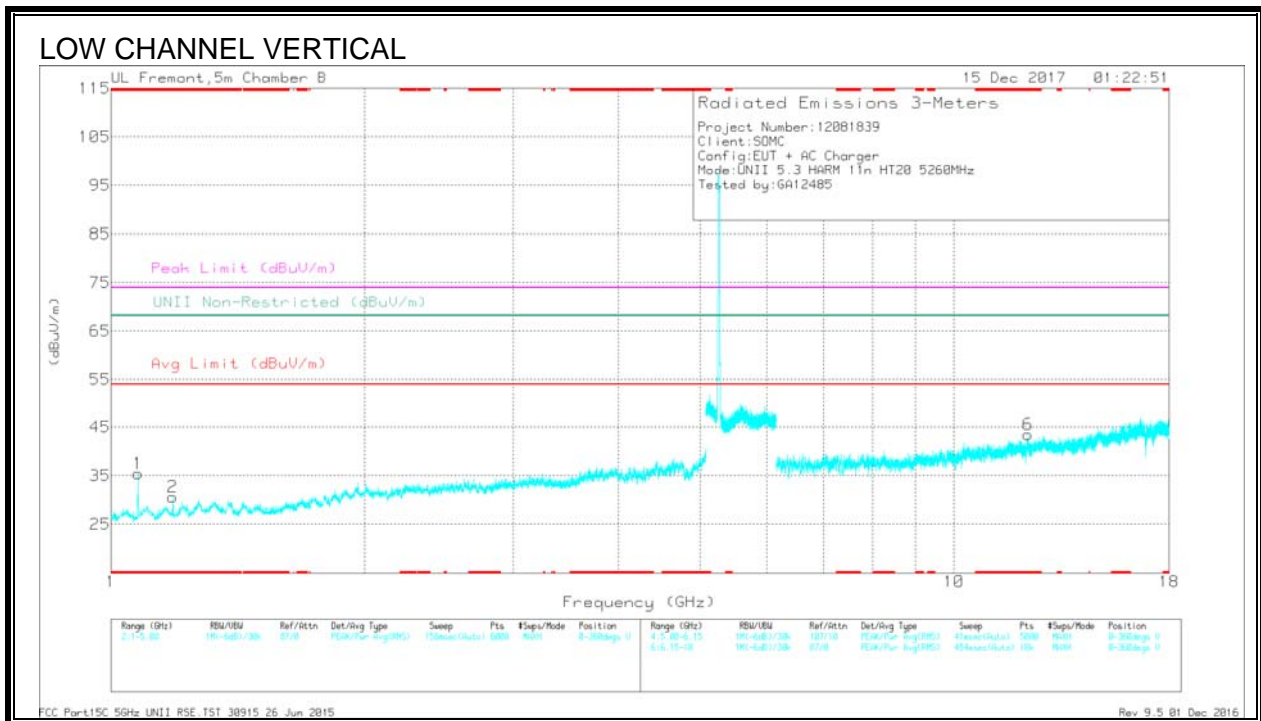
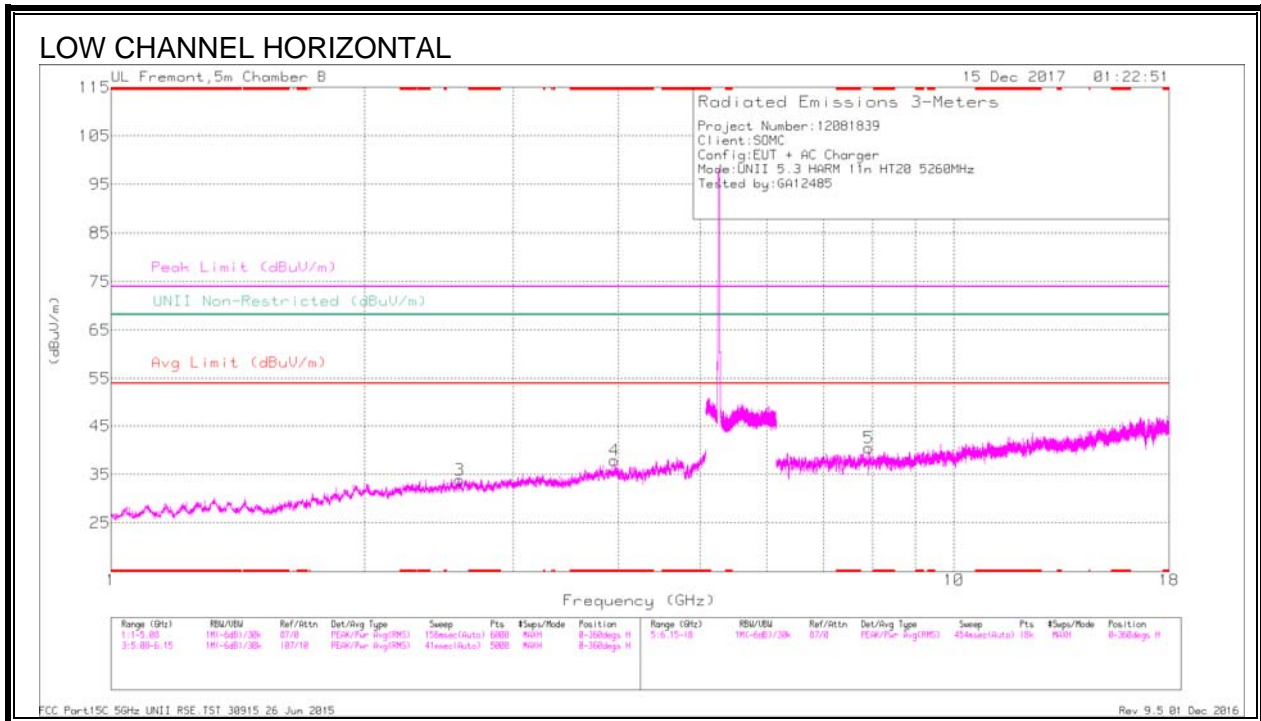
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.9	Pk	34.9	-19.2	0	53.6	-	-	74	-20.4	150	235	V
3	* 5.35	28.85	RMS	34.9	-19.2	.14	44.69	54	-9.31	-	-	150	235	V
2	* 5.441	40.58	Pk	35.1	-19.8	0	55.88	-	-	74	-18.12	150	235	V
4	* 5.449	29.87	RMS	35.1	-19.5	.14	45.61	54	-8.39	-	-	150	235	V

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



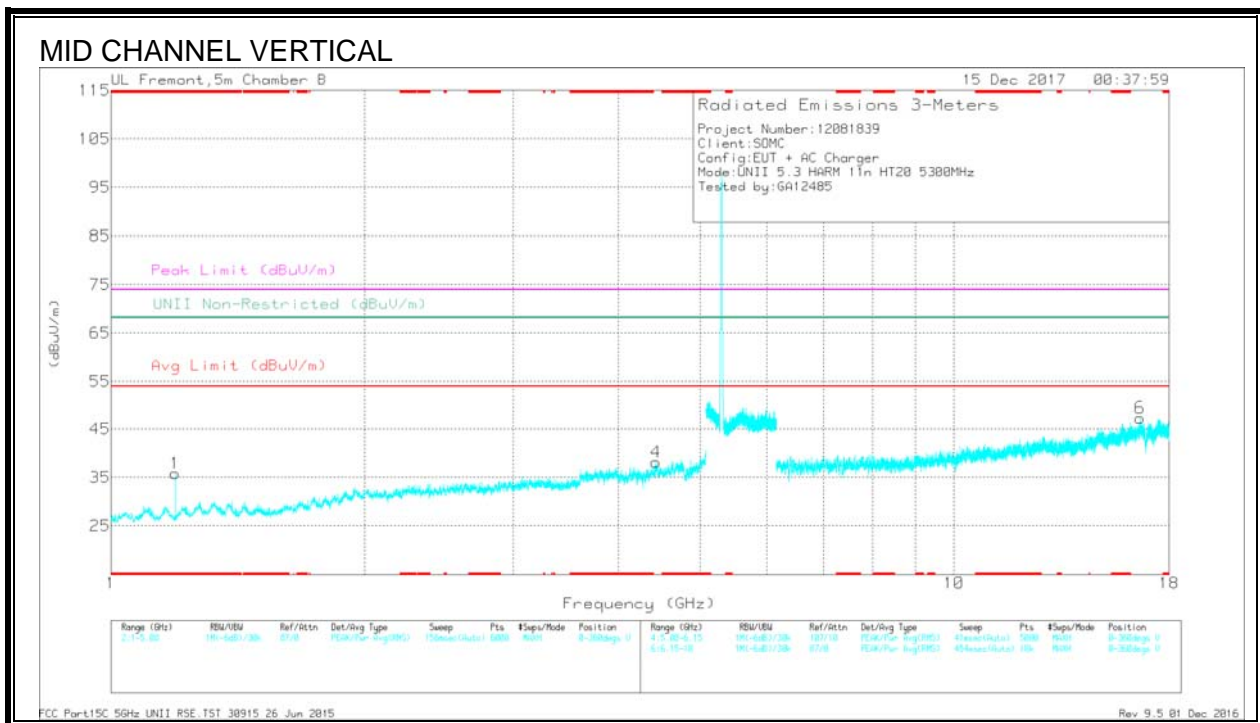
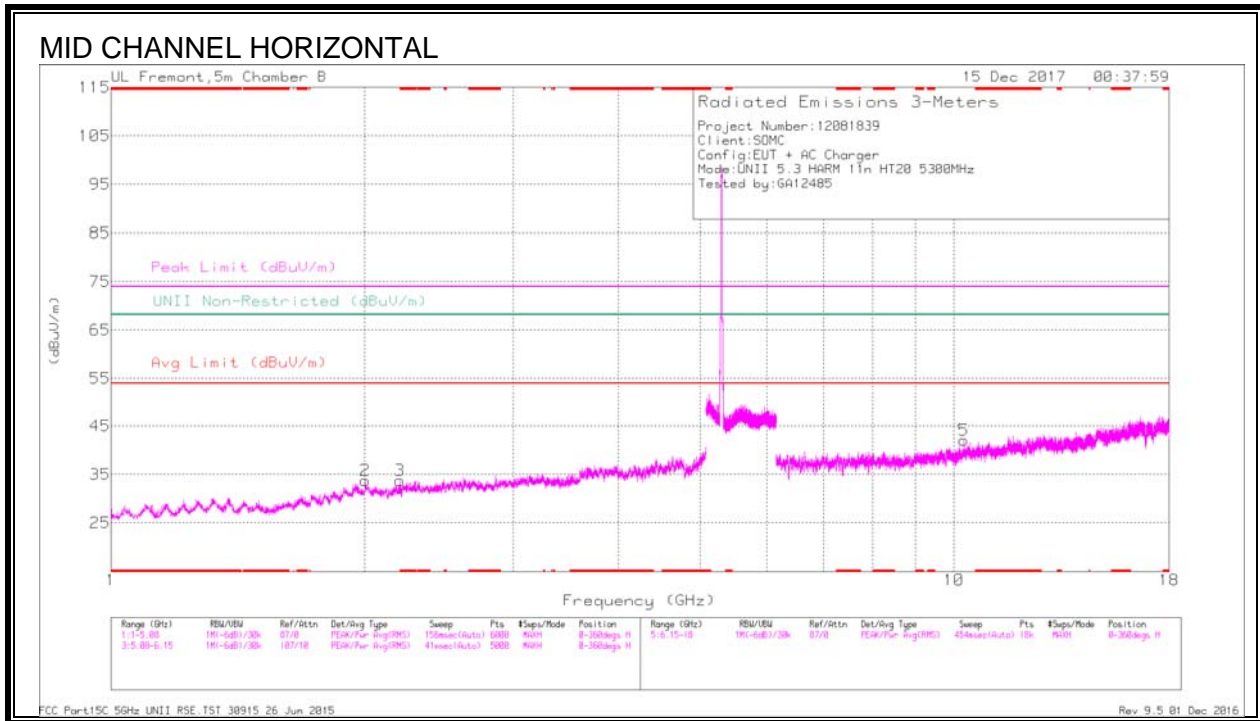
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 3.959	39.7	PK-U	33.5	-29.7	0	43.5	-	-	74	-30.5	-	-	323	180	H
	* 3.961	27.09	ADR	33.5	-29.6	.14	31.13	54	-22.87	-	-	-	-	323	180	H
1	* 1.076	40.92	PK-U	27.3	-34.1	0	34.12	-	-	74	-39.88	-	-	68	347	V
	* 1.078	28.73	ADR	27.3	-34.1	.14	22.07	54	-31.93	-	-	-	-	68	347	V
2	* 1.183	40.97	PK-U	27.8	-33.9	0	34.87	-	-	74	-39.13	-	-	187	359	V
	* 1.182	28.55	ADR	27.8	-33.9	.14	22.59	54	-31.41	-	-	-	-	187	359	V
6	* 12.24	30.97	PK-U	39.1	-21.8	0	48.27	-	-	74	-25.73	-	-	5	178	V
	* 12.24	18.74	ADR	39.1	-21.8	.14	36.18	54	-17.82	-	-	-	-	5	178	V
3	2.591	39.24	PK-U	32.6	-31.8	0	40.04	-	-	-	-	68.2	-28.16	99	237	H
5	7.929	35.66	PK-U	36	-25.5	0	46.16	-	-	-	-	68.2	-22.04	246	382	H

* - indicates frequency in CFR47 Pt 15 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



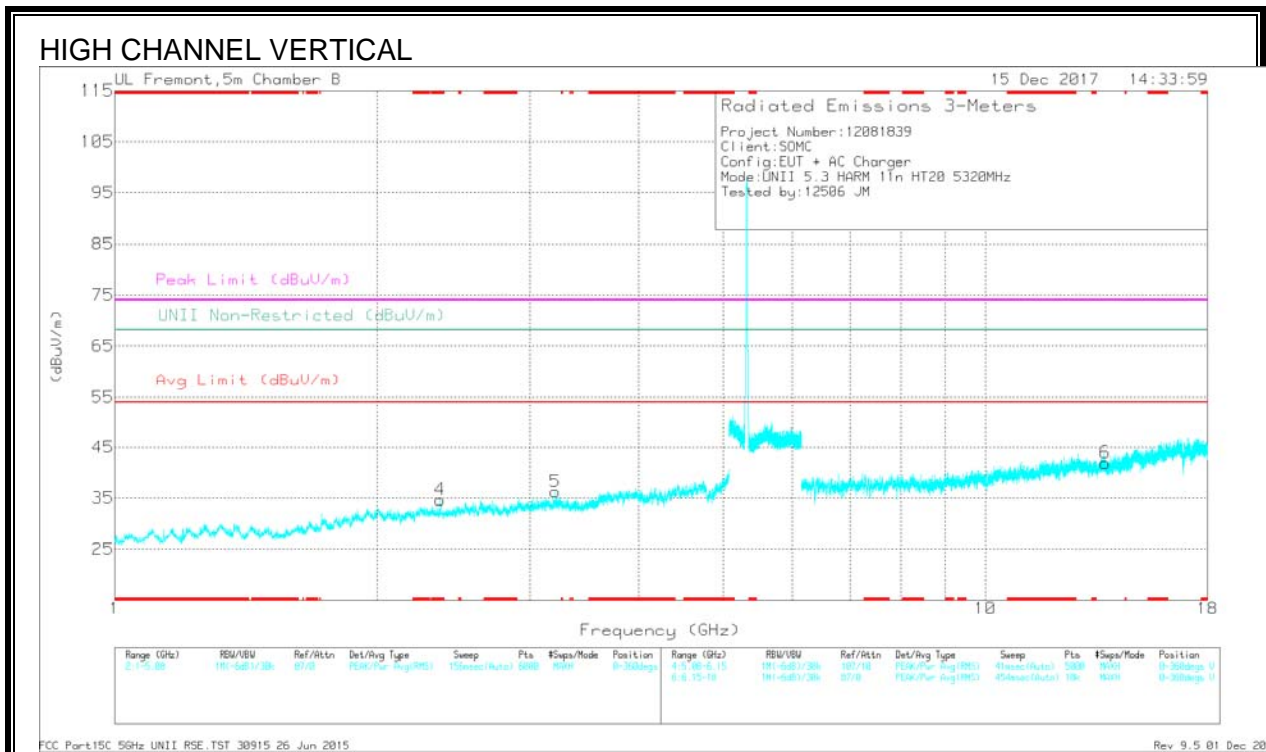
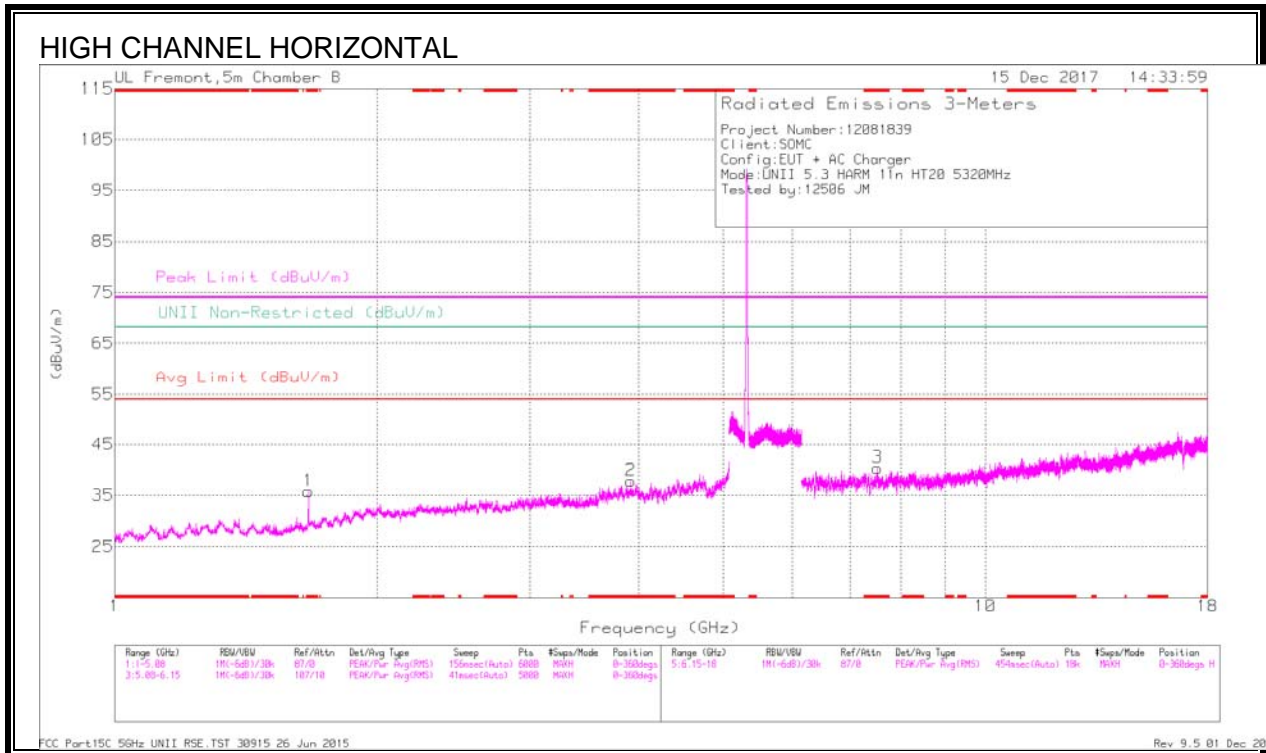
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.192	40.21	PK-U	27.9	-34.1	0	34.01	-	-	74	-39.99	-	-	219	129	V
	* 1.19	28.24	ADR	27.9	-34.1	.14	22.18	54	-31.82	-	-	-	-	219	129	V
2	2.003	40.06	PK-U	31.3	-32.1	0	39.26	-	-	-	-	68.2	-28.94	266	164	H
3	2.198	39.85	PK-U	31.5	-32.4	0	38.95	-	-	-	-	68.2	-29.25	140	302	H
4	4.434	39.06	PK-U	33.8	-28.6	0	44.26	-	-	-	-	68.2	-23.94	224	153	V
5	10.269	33.5	PK-U	37.4	-23.7	0	47.2	-	-	-	-	68.2	-21	158	189	H
6	16.62	29.71	PK-U	42.1	-19.2	0	52.61	-	-	-	-	68.2	-15.59	77	188	V

* - indicates frequency in CFR47 Pt 15 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.67	40.97	PK-U	28.8	-32.7	0	37.07	-	-	74	-36.93	-	-	188	134	H
	* 1.669	28.62	ADR	28.8	-32.8	.14	24.76	54	-29.24	-	-	-	-	188	134	H
2	* 3.915	39.4	PK-U	33.5	-30.2	0	42.7	-	-	74	-31.3	-	-	320	151	H
	* 3.916	27.52	ADR	33.5	-30.1	.14	31.06	54	-22.94	-	-	-	-	320	151	H
4	* 2.365	41.07	PK-U	31.9	-32.2	0	40.77	-	-	74	-33.23	-	-	53	119	V
	* 2.365	28.03	ADR	31.9	-32.2	.14	27.87	54	-26.13	-	-	-	-	53	119	V
3	* 7.52	35.67	PK-U	36	-26.2	0	45.47	-	-	74	-28.53	-	-	324	104	H
	* 7.519	23.36	ADR	36	-26.2	.14	33.3	54	-20.7	-	-	-	-	324	104	H
5	3.207	39.13	PK-U	33	-30.5	0	41.63	-	-	-	-	68.2	-26.57	346	199	V
6	13.732	31.4	PK-U	39	-21.9	0	48.5	-	-	-	-	68.2	-19.7	111	161	V

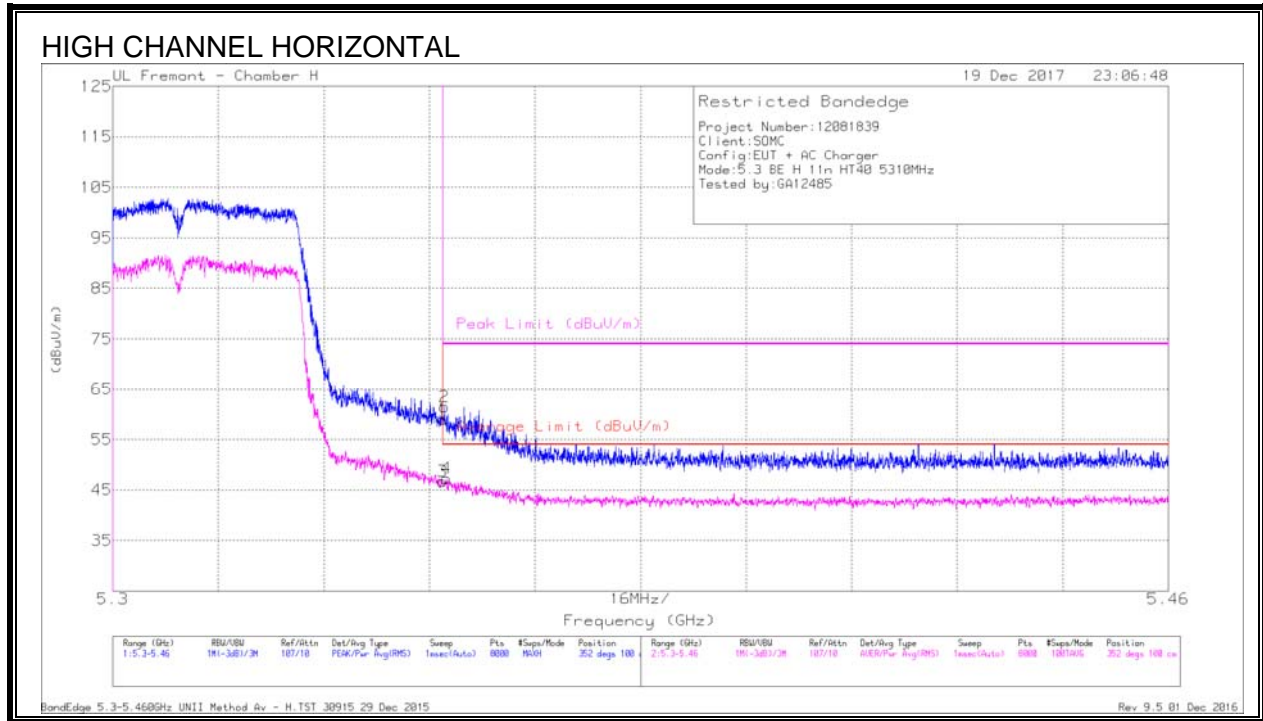
* - indicates frequency in CFR47 Pt 15 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.7. 11n HT40 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



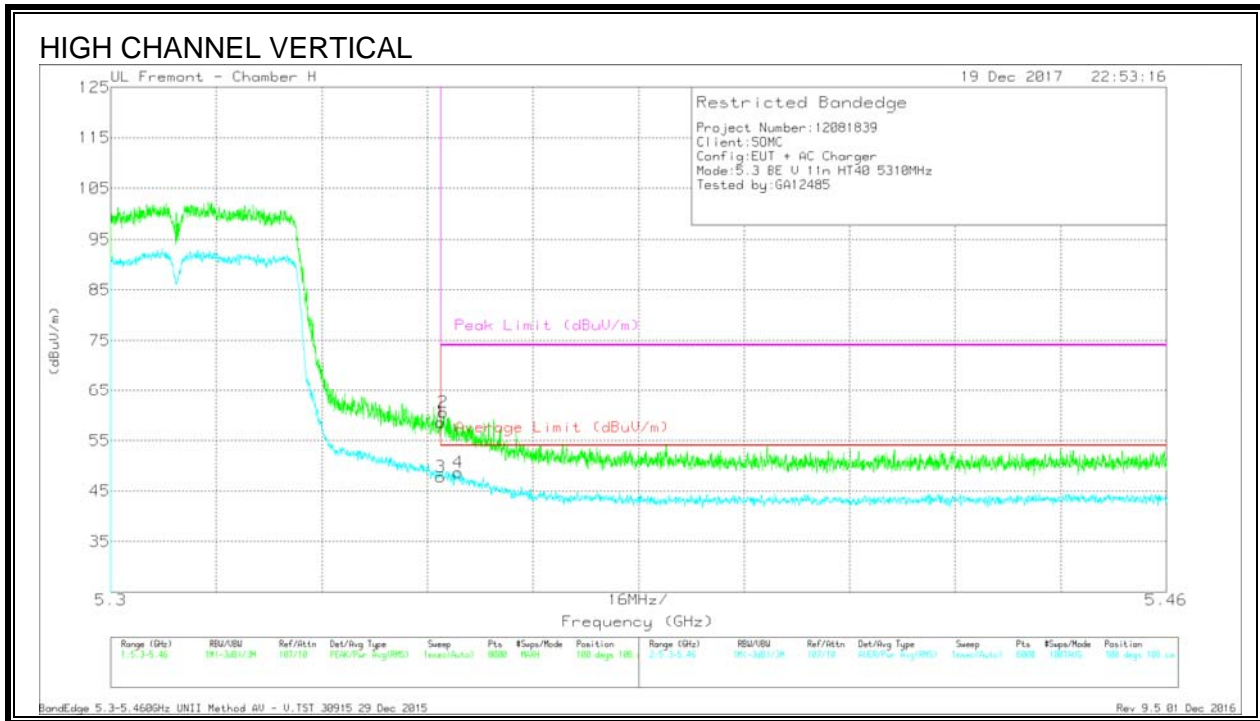
Trace Marker

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/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	48.7	Pk	34.6	-24.3	0	59	-	-	74	-15	352	100	H
2	* 5.35	51.2	Pk	34.6	-24.3	0	61.5	-	-	74	-12.5	352	100	H
3	* 5.35	36.03	RMS	34.6	-24.3	.41	46.74	54	-7.26	-	-	352	100	H
4	* 5.351	36.6	RMS	34.6	-24.3	.41	47.31	54	-6.69	-	-	352	100	H

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

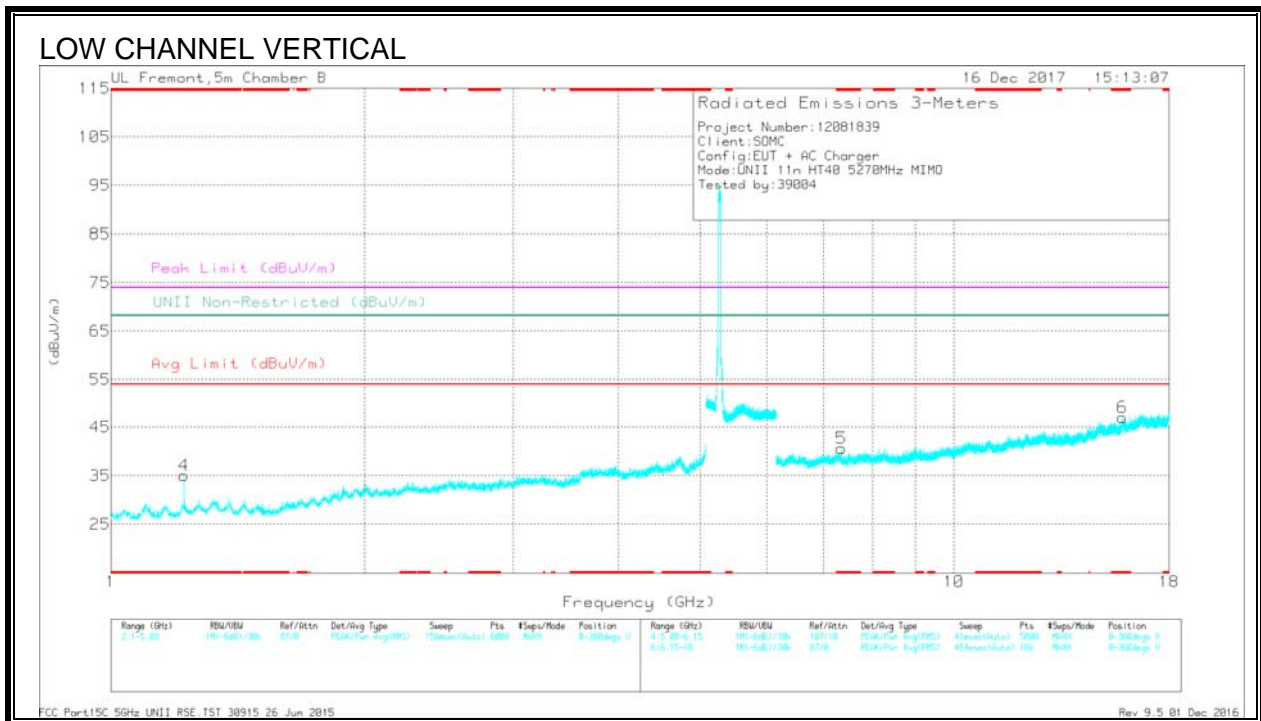
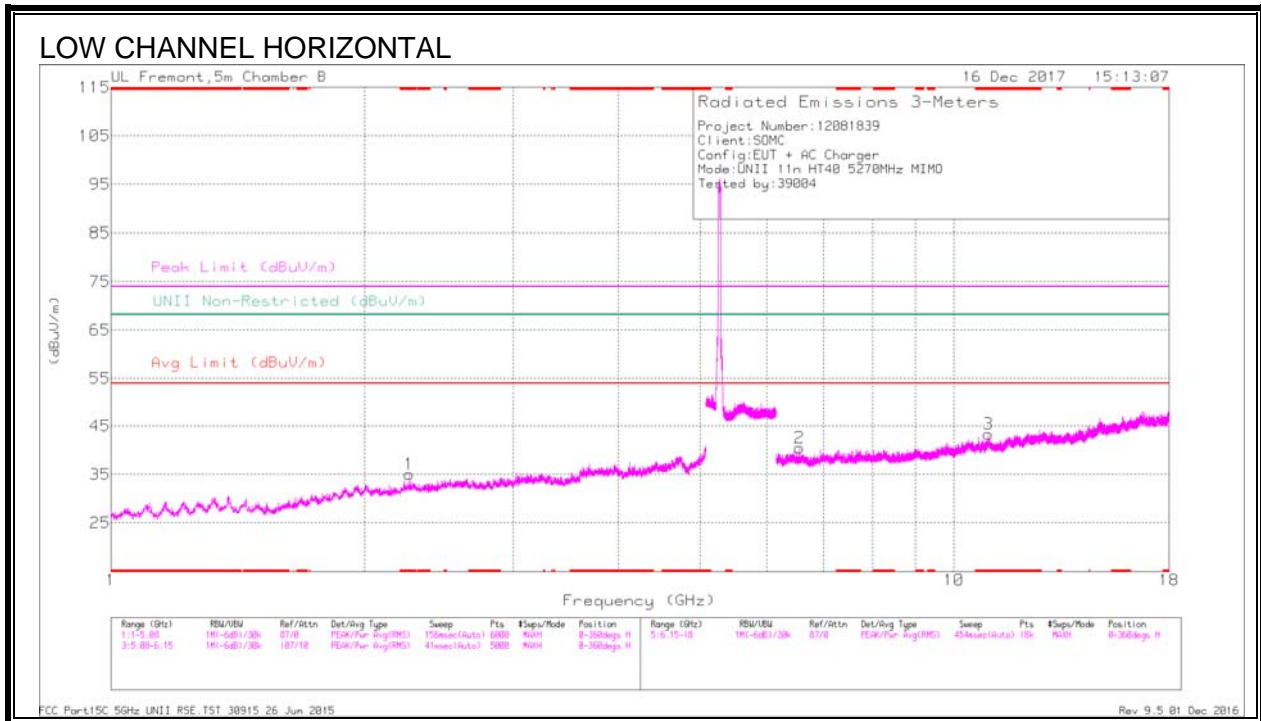
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	48.31	Pk	34.6	-24.3	0	58.61	-	-	74	-15.39	100	108	V
2	* 5.35	50.27	Pk	34.6	-24.3	0	60.57	-	-	74	-13.43	100	108	V
3	* 5.35	37.51	RMS	34.6	-24.3	.41	48.22	54	-5.78	-	-	100	108	V
4	* 5.353	38.34	RMS	34.6	-24.3	.41	49.05	54	-4.95	-	-	100	108	V

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



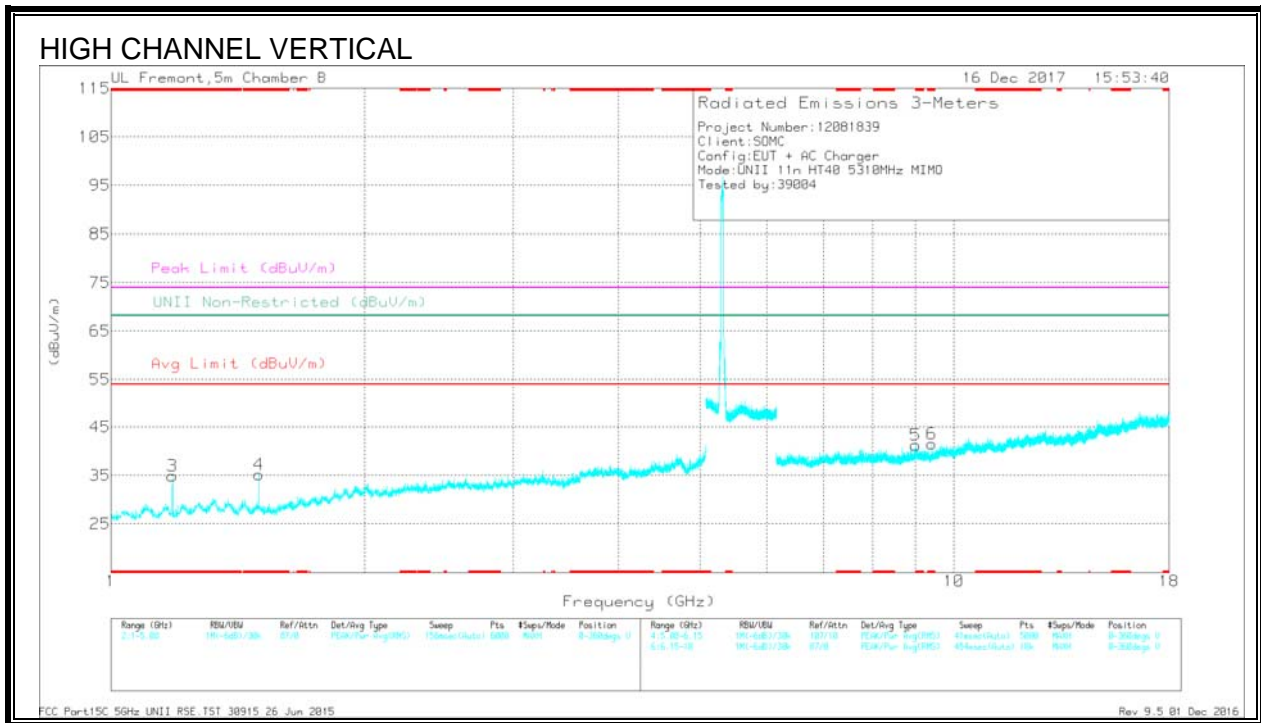
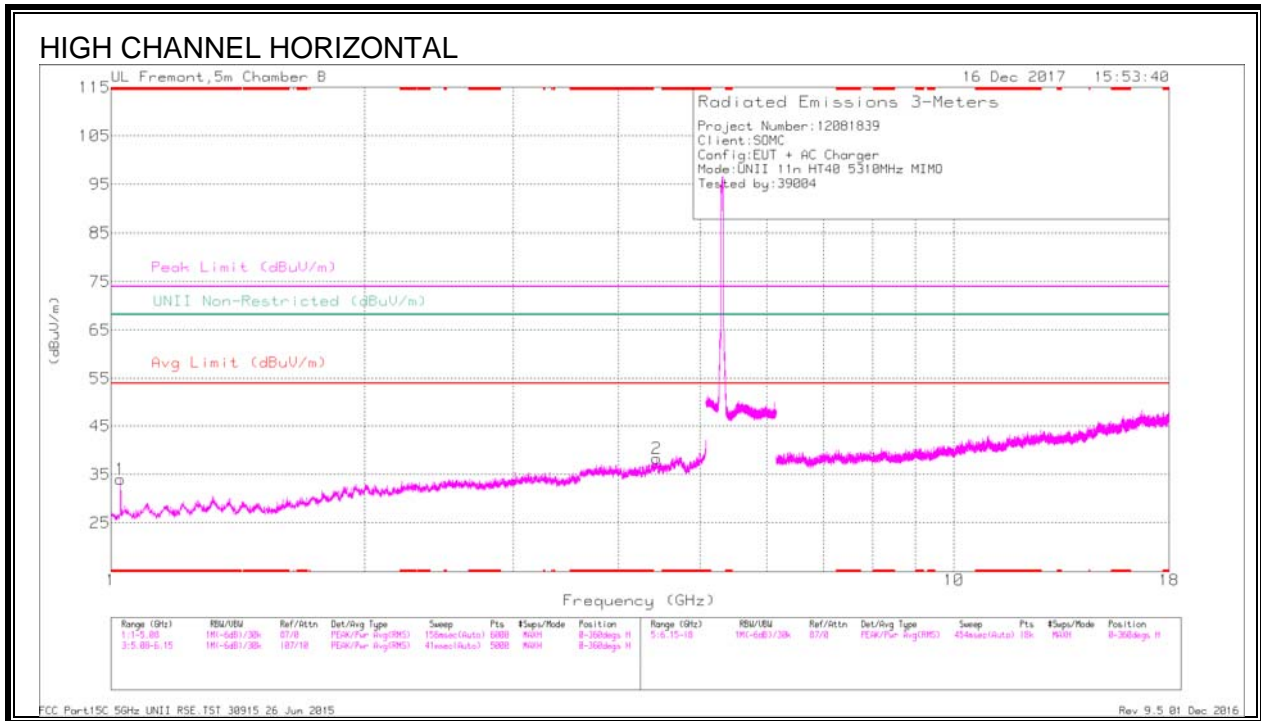
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.258	40.54	PK-U	32	-32.6	0	39.94	-	-	74	-34.06	-	-	163	334	H
	* 2.256	28.24	ADR	32	-32.7	.41	27.95	54	-26.05	-	-	-	-	163	334	H
4	* 1.22	41.8	PK-U	28.3	-34.5	0	35.6	-	-	74	-38.4	-	-	158	127	V
	* 1.219	30.16	ADR	28.3	-34.4	.41	24.47	54	-29.53	-	-	-	-	158	127	V
3	* 10.993	34.39	PK-U	37.7	-23.6	0	48.49	-	-	74	-25.51	-	-	166	122	H
	* 10.992	23.43	ADR	37.7	-23.6	.41	37.94	54	-16.06	-	-	-	-	166	122	H
5	* 7.352	38.07	PK-U	35.9	-28.6	0	45.37	-	-	74	-28.63	-	-	182	121	V
	* 7.355	27.28	ADR	35.9	-28.6	.41	34.99	54	-19.01	-	-	-	-	182	121	V
6	* 15.84	33	PK-U	41	-21.2	0	52.8	-	-	74	-21.2	-	-	201	214	V
	* 15.839	21.92	ADR	41	-21.2	.41	42.13	54	-11.87	-	-	-	-	201	214	V
2	6.558	39.26	PK-U	35.7	-29.6	0	45.36	-	-	-	-	68.2	-22.84	191	132	H

* - indicates frequency in CFR47 Pt 15 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.028	41.53	PK-U	27.2	-34.9	0	33.83	-	-	74	-40.17	-	-	321	365	H
	* 1.028	29.83	ADR	27.2	-34.9	.41	22.54	54	-31.46	-	-	-	-	321	365	H
3	* 1.184	41.01	PK-U	27.8	-34.5	0	34.31	-	-	74	-39.69	-	-	80	398	V
	* 1.181	28.89	ADR	27.8	-34.4	.41	22.7	54	-31.3	-	-	-	-	80	398	V
4	* 1.496	41.86	PK-U	28.2	-34.2	0	35.86	-	-	74	-38.14	-	-	64	128	V
	* 1.497	29.66	ADR	28.2	-34.2	.41	24.07	54	-29.93	-	-	-	-	64	128	V
5	* 9.005	36.03	PK-U	36.2	-26.1	0	46.13	-	-	74	-27.87	-	-	256	121	V
	* 9.008	24.65	ADR	36.2	-26.2	.41	35.06	54	-18.94	-	-	-	-	256	121	V
6	* 9.408	35.52	PK-U	36.6	-26.4	0	45.72	-	-	74	-28.28	-	-	277	117	V
	* 9.407	24.98	ADR	36.6	-26.4	.41	35.59	54	-18.41	-	-	-	-	277	117	V
2	4.438	39.97	PK-U	33.8	-29.7	0	44.07	-	-	-	-	68.2	-24.13	290	229	H

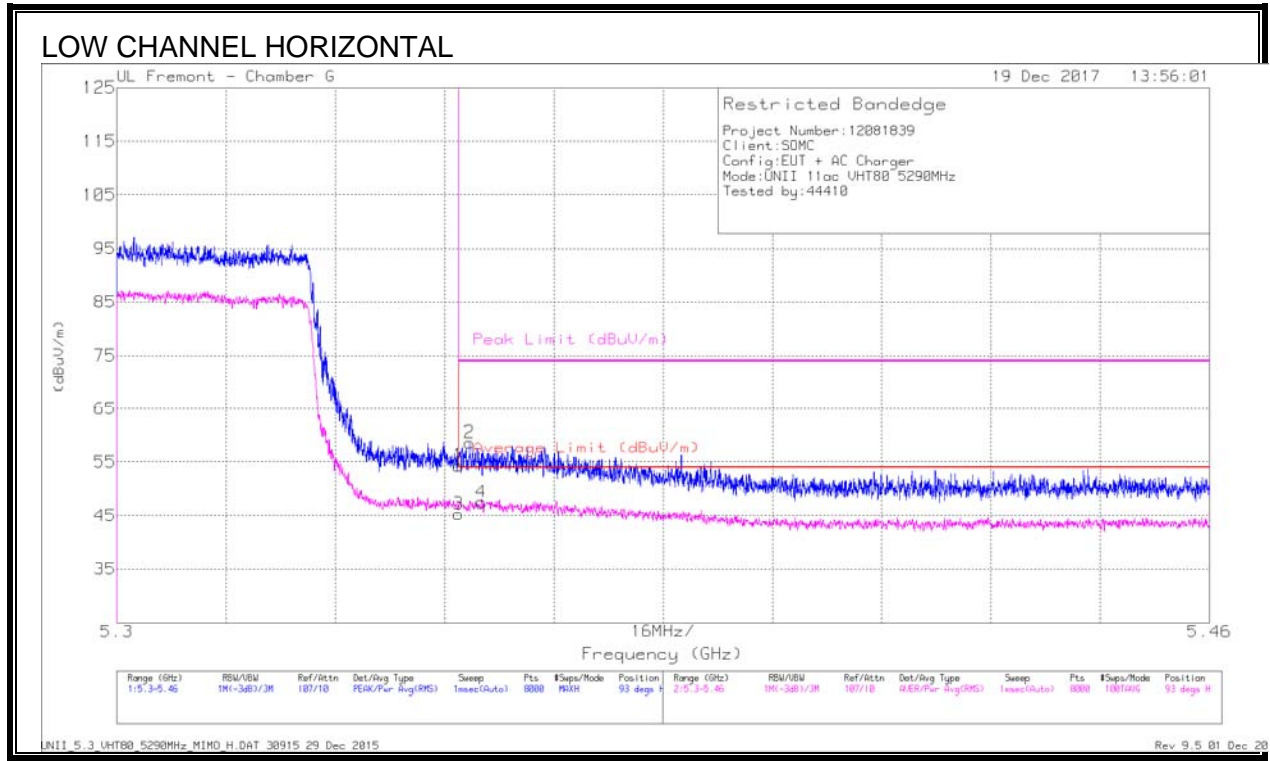
* - indicates frequency in CFR47 Pt 15 - Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.8. 11ac HT80 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/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	42.35	Pk	34.6	-22.6	0	54.35	-	-	74	-19.65	93	138	H
3	* 5.35	33.27	RMS	34.6	-22.6	.72	45.99	54	-8.01	-	-	93	138	H
2	* 5.352	46.57	Pk	34.6	-22.6	0	58.57	-	-	74	-15.43	93	138	H
4	* 5.353	35.43	RMS	34.6	-22.6	.72	48.15	54	-5.85	-	-	93	138	H

* - indicates frequency in CFR15.205 - Restricted Band

Pk - Peak detector

RMS - RMS detection