

8.10.2. 99% BANDWIDTH

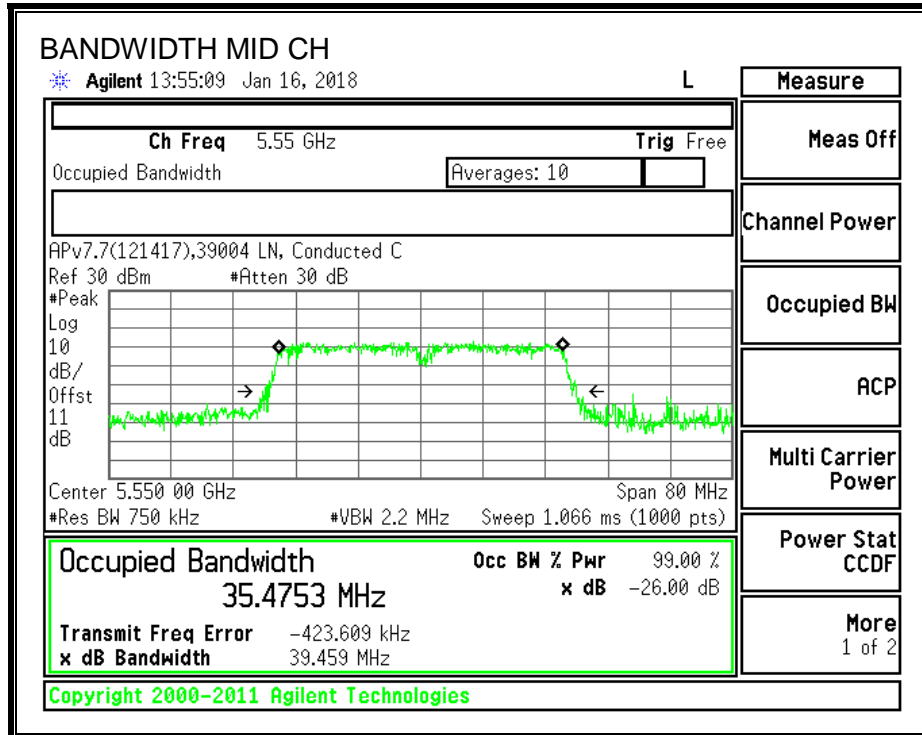
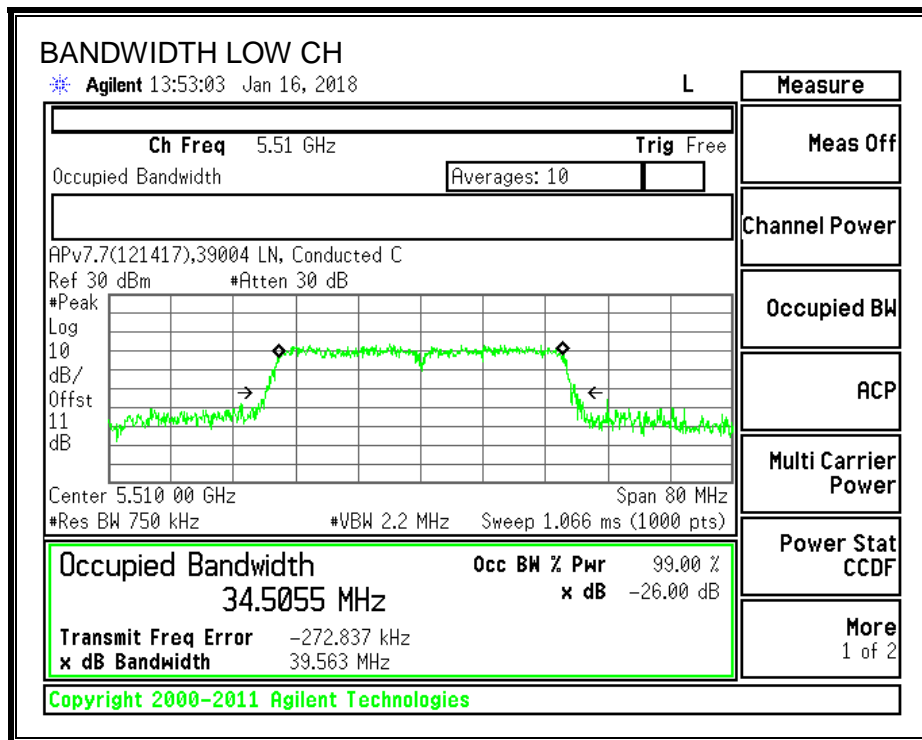
LIMITS

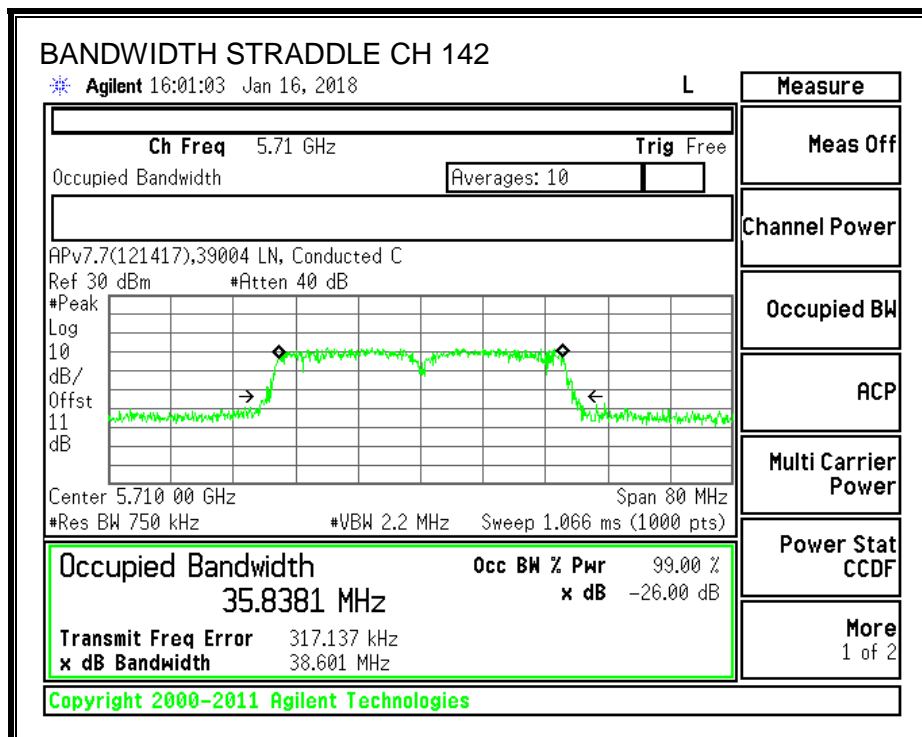
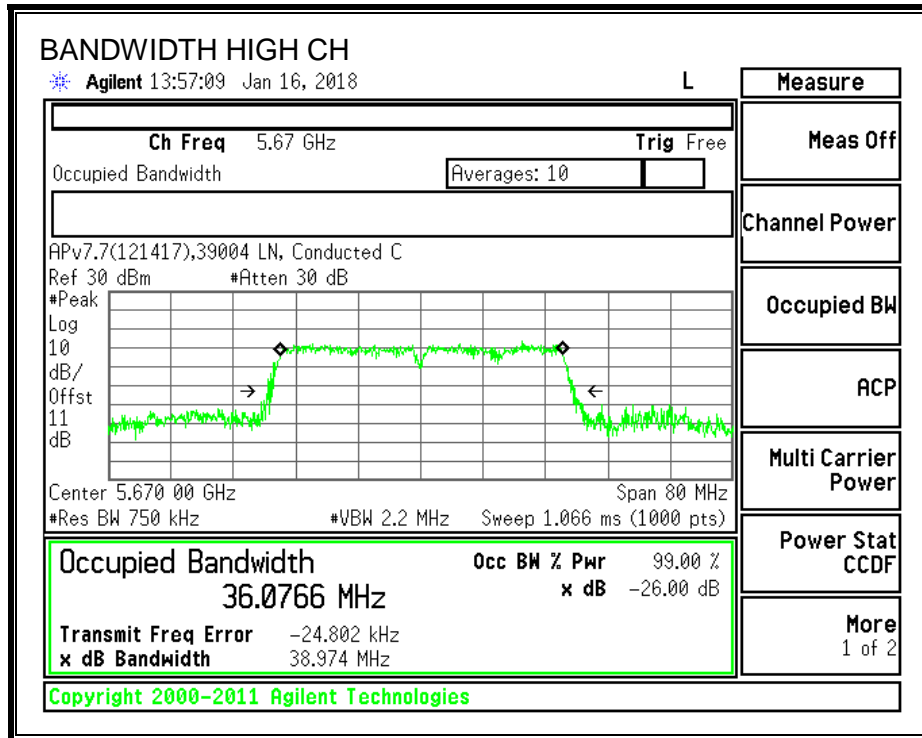
None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5510	34.5055
Mid	5550	35.4753
High	5670	36.0766
142	5710	35.8381

99% BANDWIDTH





8.10.3. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (2)

For the band 5.47–5.725 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26-dB emission bandwidth in MHz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RSS-247 ISSUE 2 SECTION 6.2.3.1

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band. The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5510	40.30	2.00	24.00
Mid	5550	42.90	2.00	24.00
High	5670	40.40	2.00	24.00

Duty Cycle CF (dB)	3.08	Included in Calculations of Corr'd Power
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	8.05	11.13	24.00	-12.87
Mid	5550	8.15	11.23	24.00	-12.77
High	5670	8.21	11.29	24.00	-12.71

TEST INFORMATION

Date: 1/16/2018
Tester: 39004

RESULTS (ISED Conducted Power)

Bandwidth and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Power Limit (dBm)
Low	5510	34.51	24.00
Mid	5550	35.48	24.00
High	5670	36.08	24.00

Duty Cycle CF (dB)	3.08	Included in Calculations of Corr'd Power
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	8.05	11.13	24.00	-12.87
Mid	5550	8.15	11.23	24.00	-12.77
High	5670	8.21	11.29	24.00	-12.71

TEST INFORMATION

Date: 1/16/2018
Tester: 39004

RESULTS (ISED EIRP)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Ant. Gain (dBi)	EIRP Limit (dBm)
Low	5510	34.51	2.00	30.00
Mid	5550	35.48	2.00	30.00
High	5670	36.08	2.00	30.00

Duty Cycle CF (dB)	3.08	Included in Calculations of Corr'd Power
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
Low	5510	8.05	13.13	30.00	-16.87
Mid	5550	8.15	13.23	30.00	-16.77
High	5670	8.21	13.29	30.00	-16.71

TEST INFORMATION

Date: 1/16/2018
Tester: 39004

STRADDLE CHANNEL 142 RESULTS (FCC)

UNII-2C BAND

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)
142	5710	40.50	2.00	2.00	24.00	11.00

Duty Cycle CF (dB)	3.08	Included in Calculations of Corr'd Power & PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
142	5710	7.32	10.40	24.00	-13.60

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
142	5710	-5.71	-2.63	11.00	-13.63

TEST INFORMATION

Date: 1/16/2018
Tester: 39004

STRADDLE CHANNEL 142 RESULTS (ISED Conducted Power and PSD)

UNII-2C BAND

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Power Limit (dBm)	PSD Limit (dBm)
142	5710	35.84	24.00	11.00

Duty Cycle CF (dB)	3.08	Included in Calculations of Corr'd Power & PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
142	5710	7.32	10.40	24.00	-13.60

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
142	5710	-5.71	-2.63	11.00	-13.63

TEST INFORMATION

Date: 1/16/2018
Tester: 39004

STRADDLE CHANNEL 144 RESULTS (ISED EIRP)

UNII-2C BAND

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Ant. Gain (dBi)	EIRP Limit (dBm)
144	5720	35.84	2.00	30.00

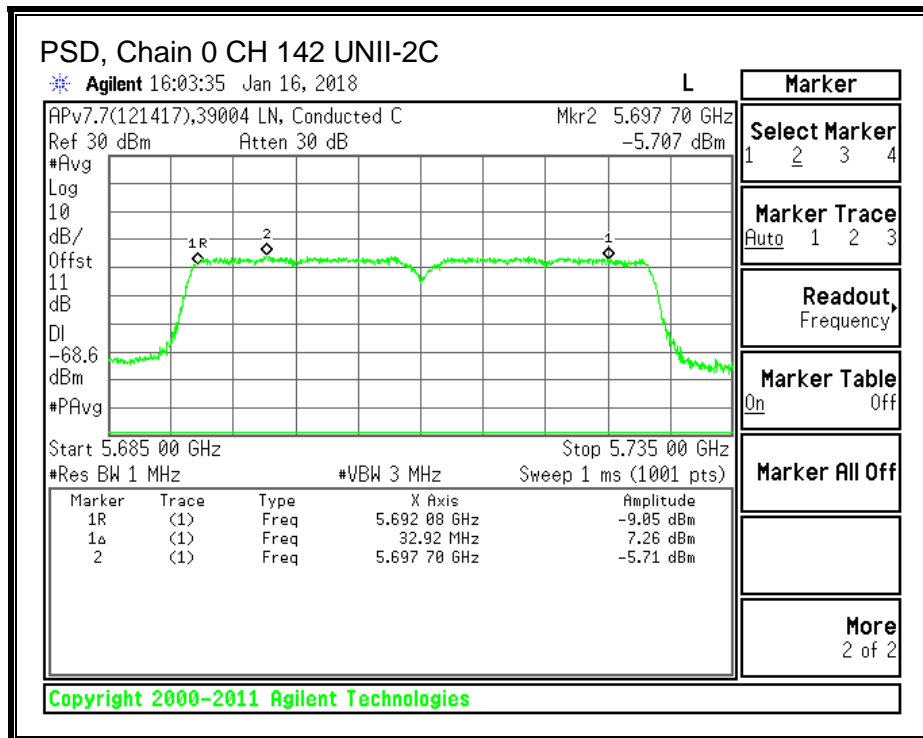
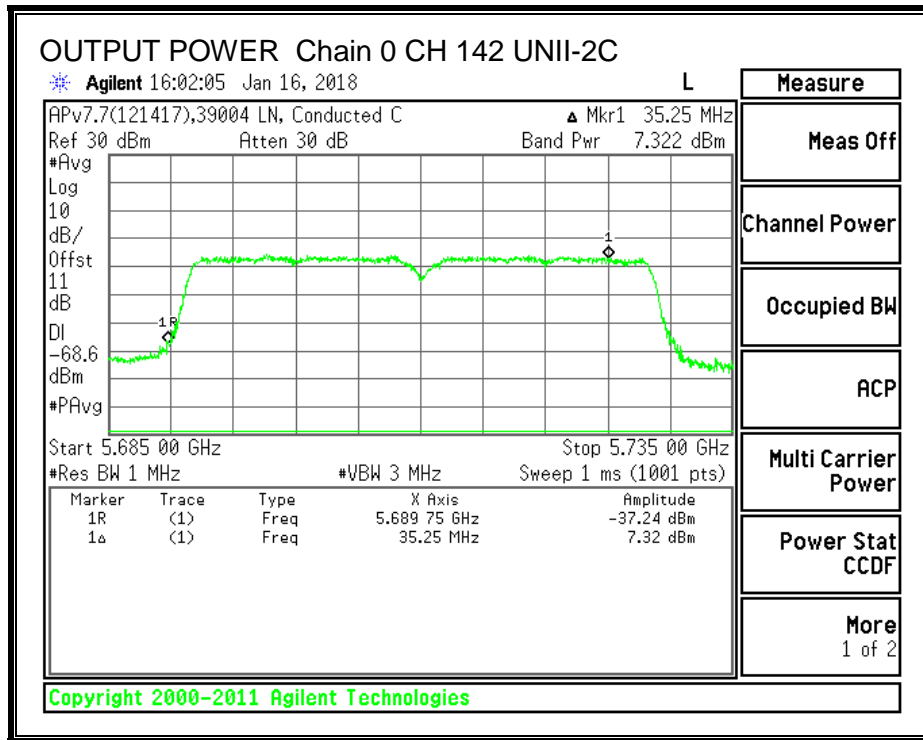
Duty Cycle CF (dB)	1.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
144	5720	7.32	10.32	30.00	-19.68

TEST INFORMATION

Date: 1/16/2018
Tester: 39004



UNII-3 BAND (FCC and ISSED)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm)
144	5720	2.00	30.00	30.00

Duty Cycle CF (dB)	1.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

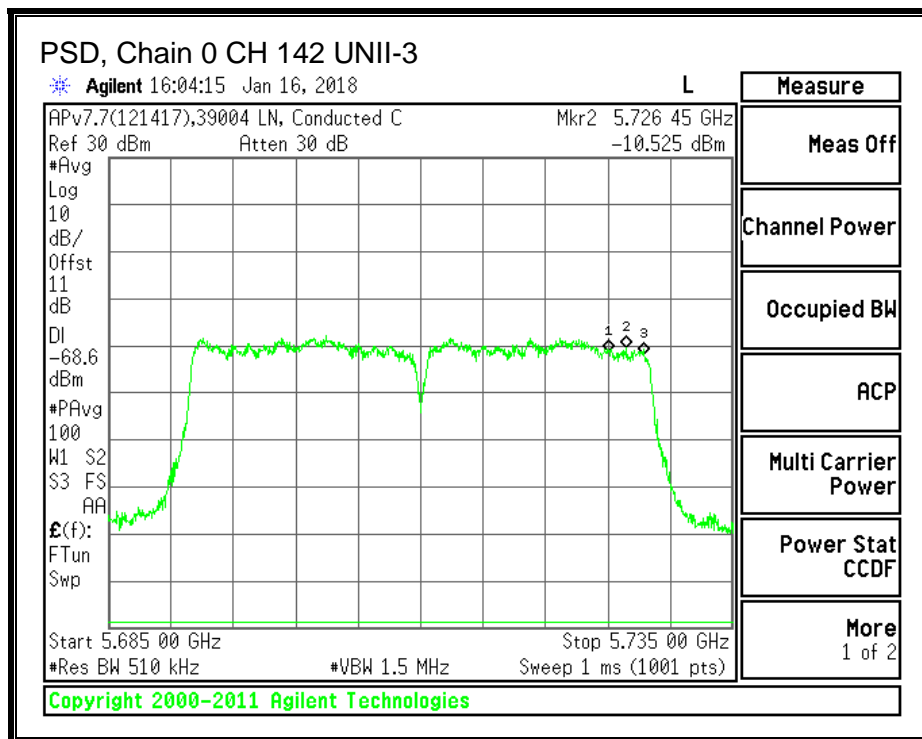
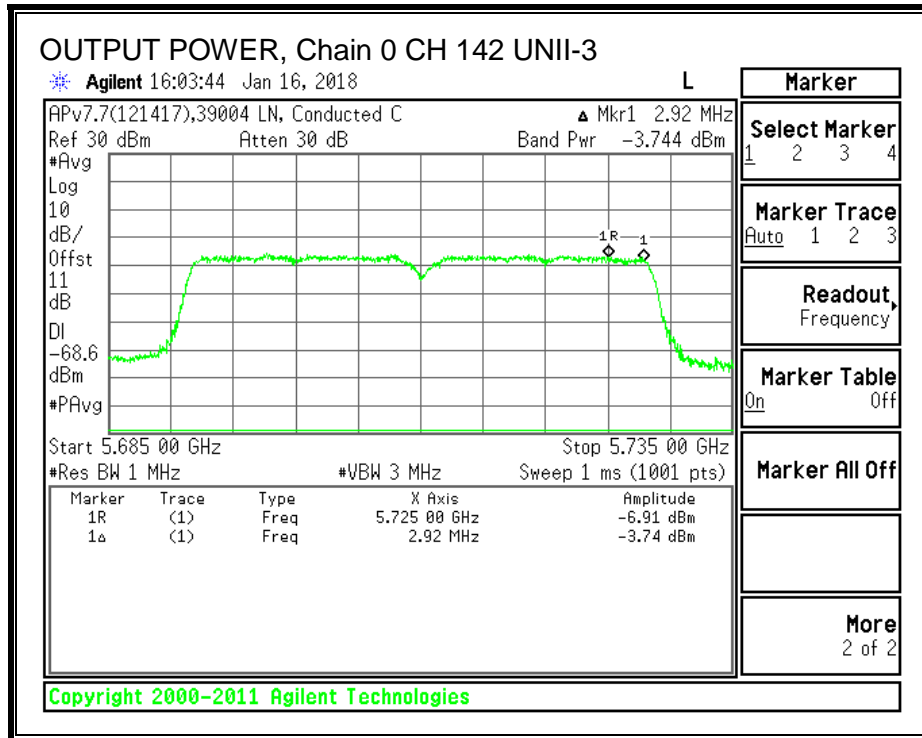
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
144	5720	-3.74	-2.74	30.00	-32.74

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
144	5720	-10.53	-9.53	30.00	-39.53

TEST INFORMATION

Date: 1/16/2018
Tester: 39004



8.11. 11a MODE IN THE 5.8GHz BAND

8.11.1. 6 dB BANDWIDTH

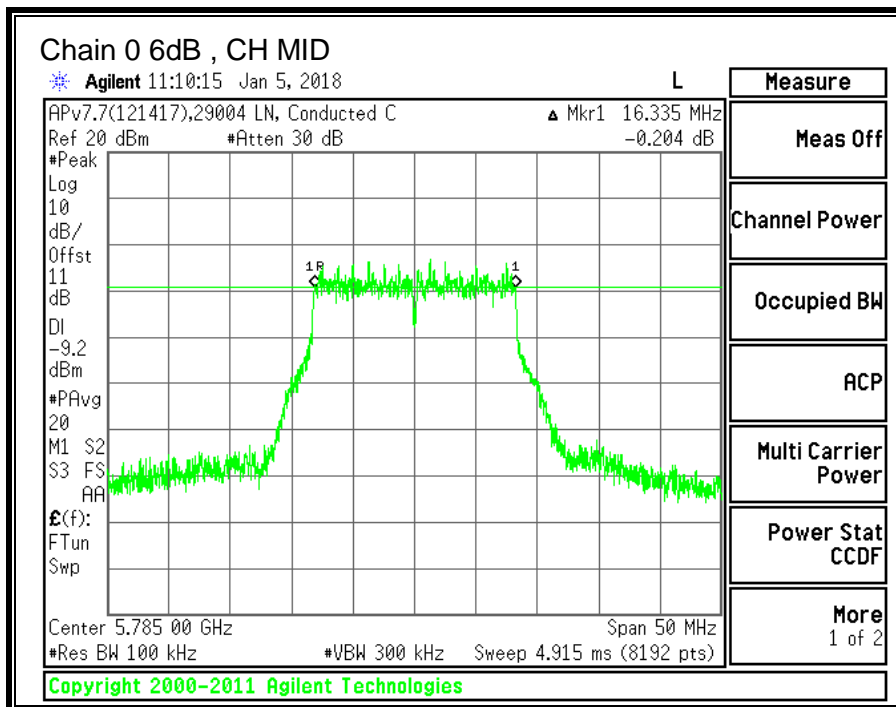
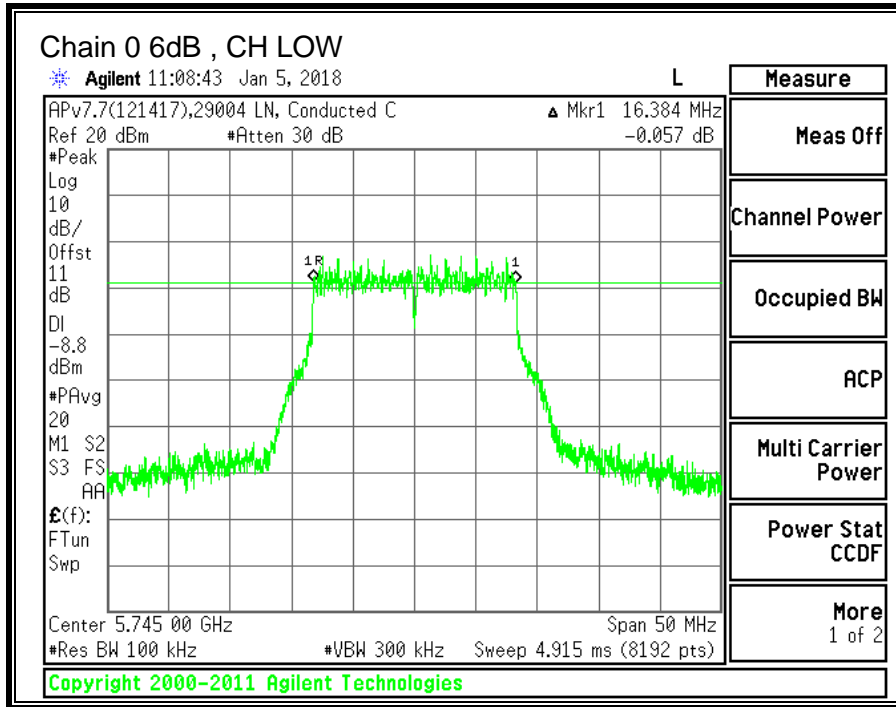
LIMITS

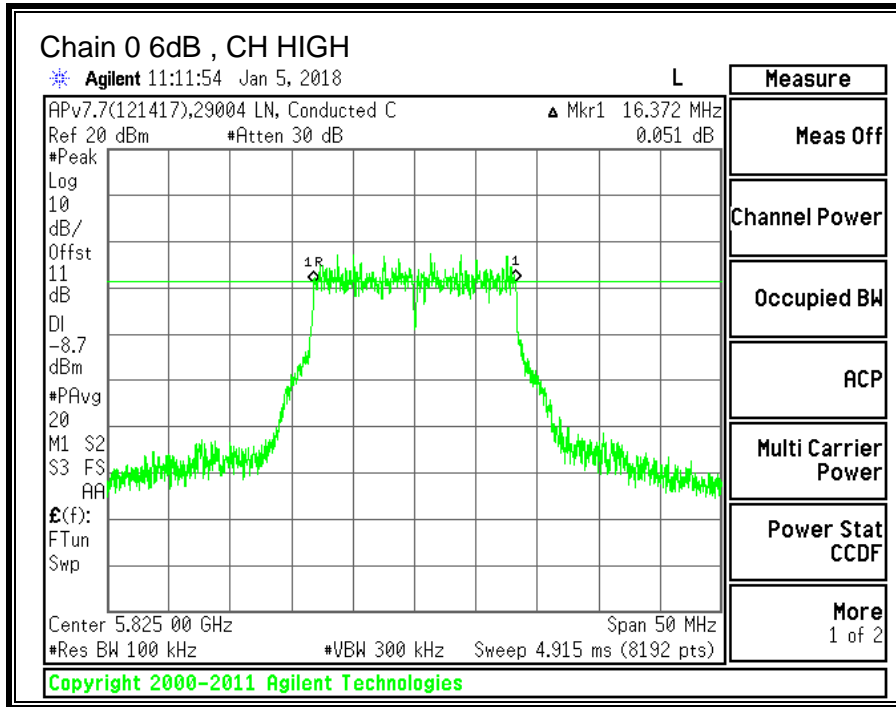
FCC §15.407 (e)

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

RESULTS

Channel	Frequency	6 dB BW Chain 0 (MHz)	Minimum Limit (MHz)
Low	5745	16.384	0.5
Mid	5785	16.335	0.5
High	5825	16.372	0.5





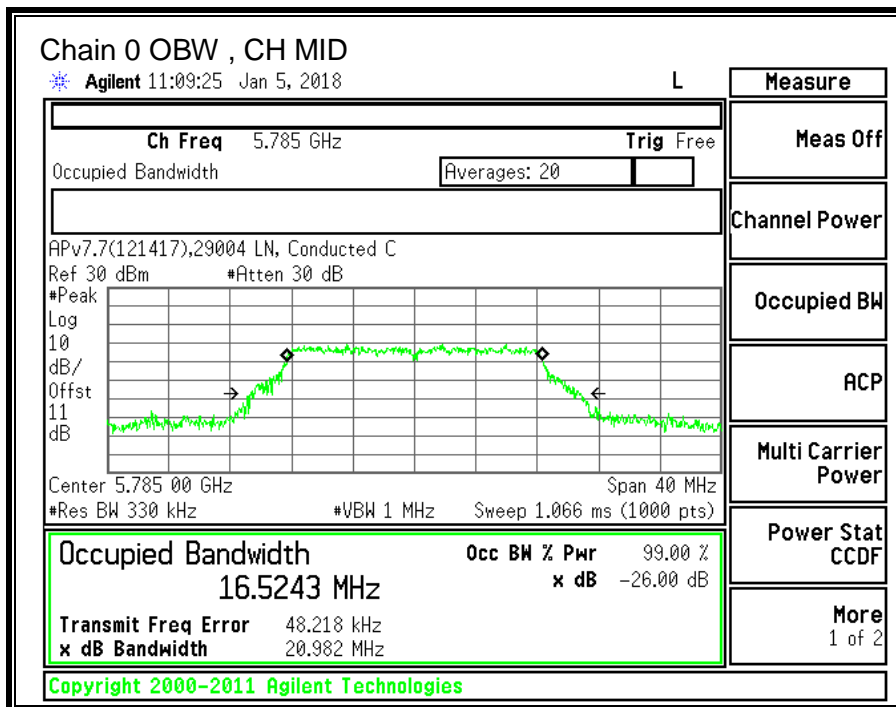
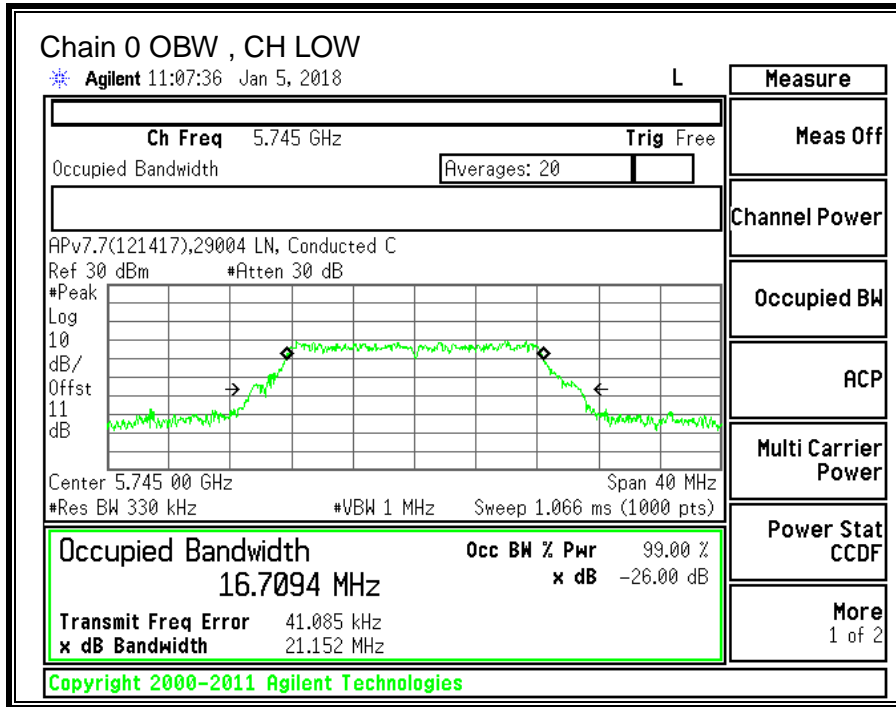
8.11.2. 99% BANDWIDTH

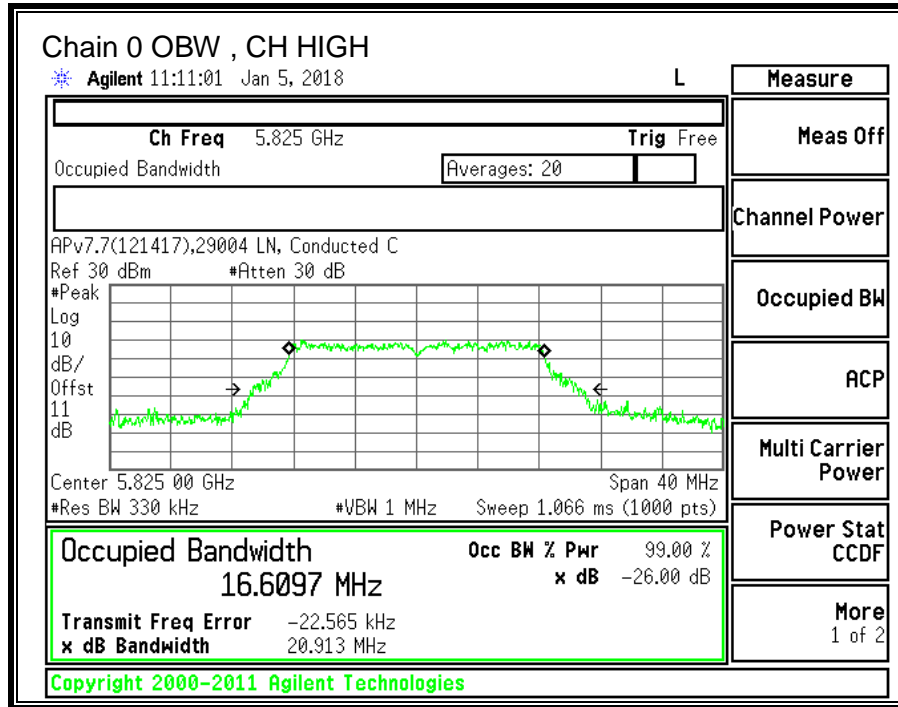
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW Chain 0 (MHz)
Low	5745	16.7094
Mid	5785	16.5243
High	5825	16.6097





8.11.3. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

RSS-247 Issue 2 Section 6.2.4.1

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.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	2.00	30.00
Mid	5785	2.00	30.00
High	5825	2.00	30.00

Duty Cycle CF (dB)	0.94	Included in Calculations of Corr'd Power
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	9.24	10.18	30.00	-19.82
Mid	5785	9.43	10.37	30.00	-19.63
High	5825	9.77	10.71	30.00	-19.29

TEST INFORMATION

Date: November 1, 2017
Tester: 45258, JL

8.12. 11n HT20 MODE IN THE 5.8GHz BAND

8.12.1. 6 dB BANDWIDTH

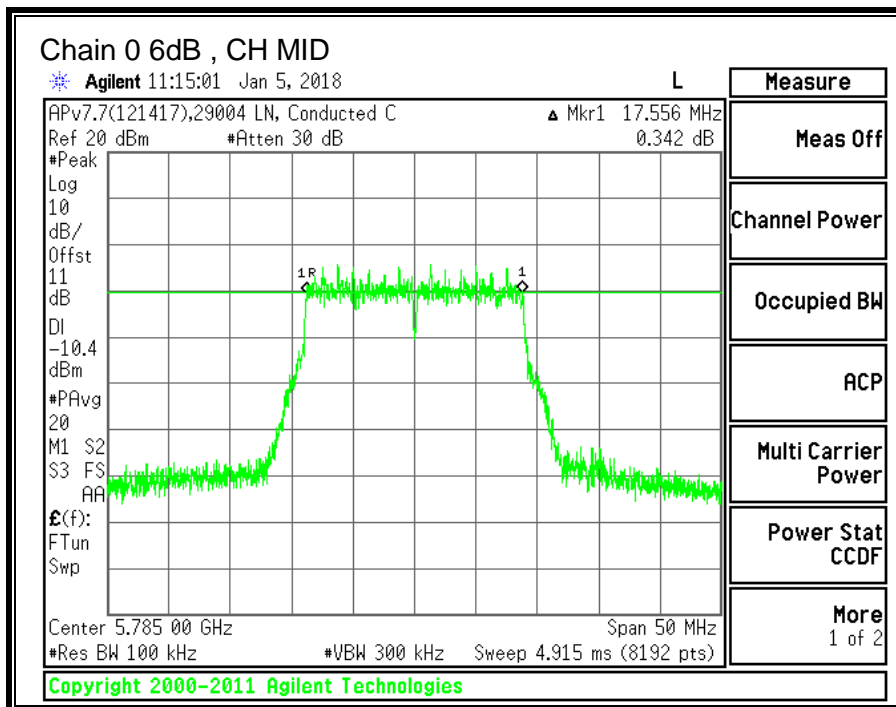
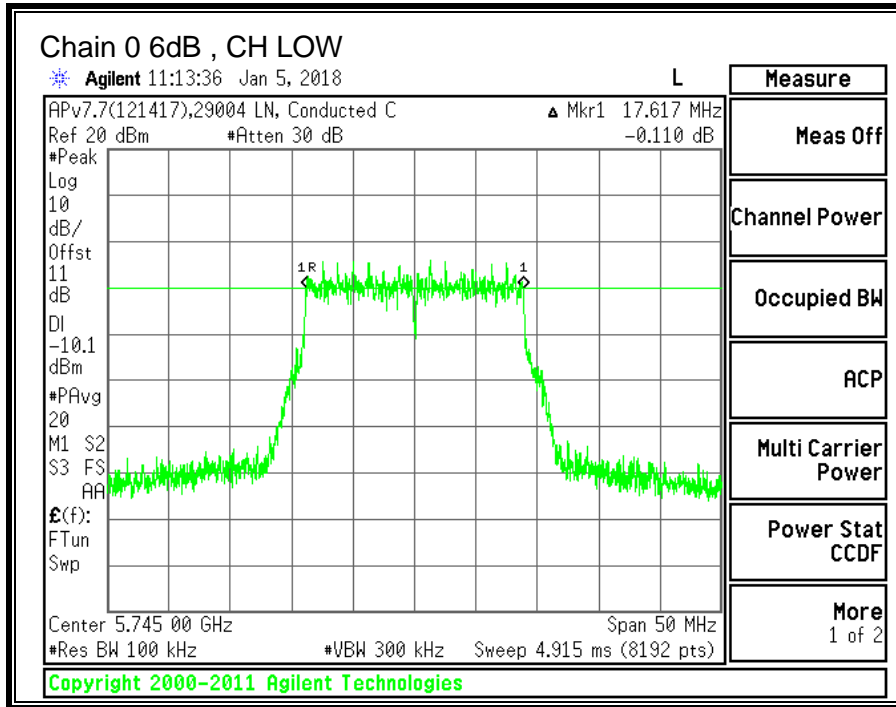
LIMITS

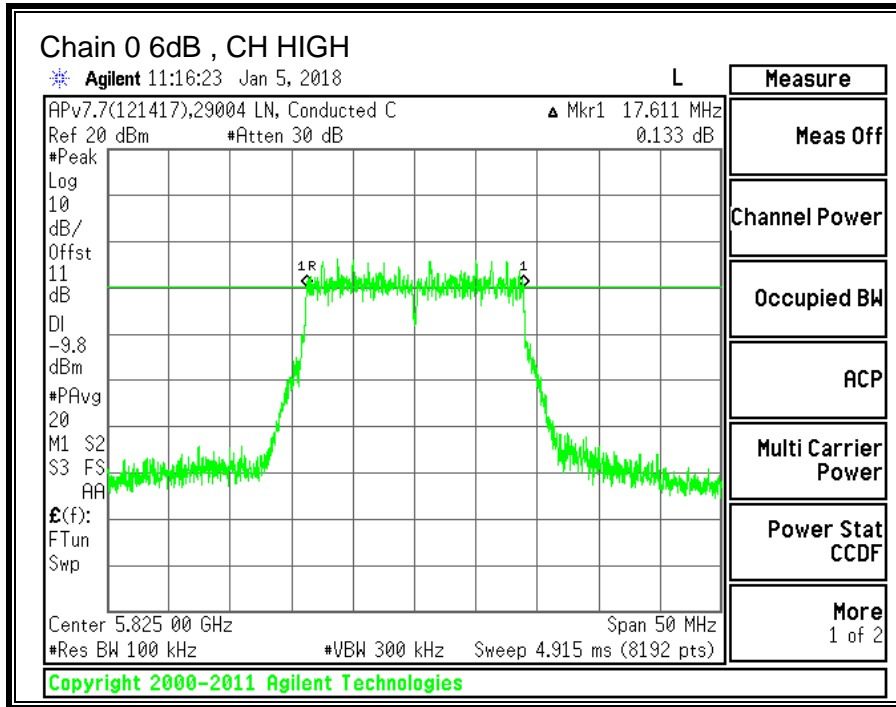
FCC §15.407 (e)

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

RESULTS

Channel	Frequency	6 dB BW Chain 0 (MHz)	Minimum Limit (MHz)
Low	5745	17.617	0.5
Mid	5785	17.556	0.5
High	5825	17.611	0.5





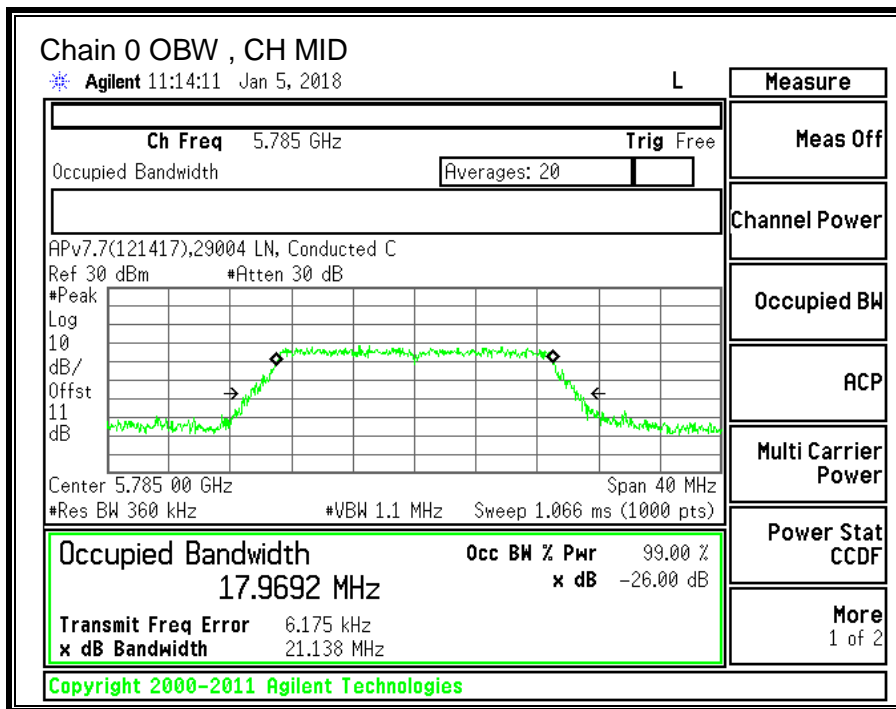
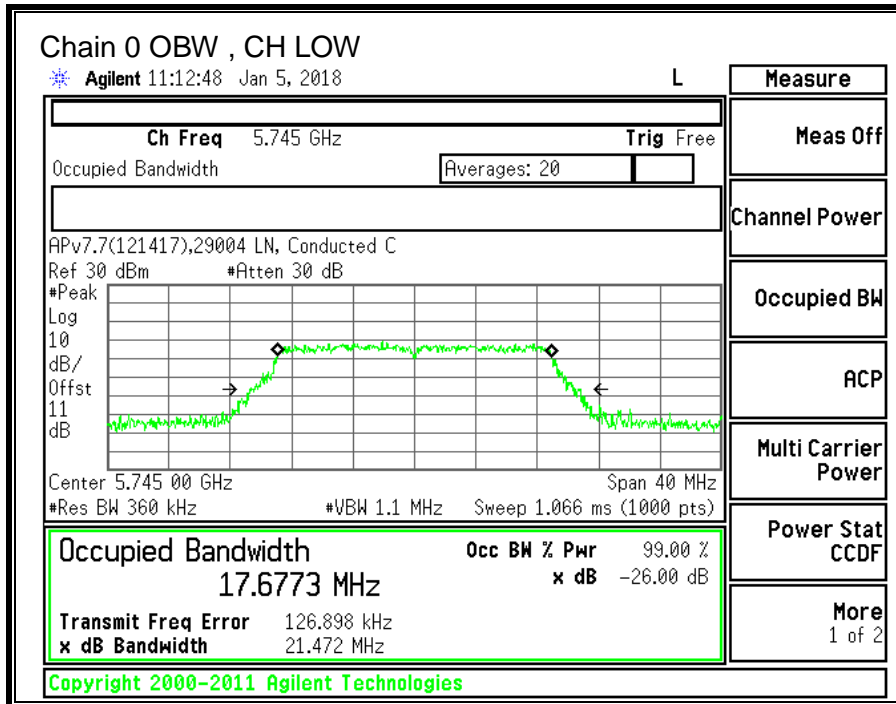
8.12.2. 99% BANDWIDTH

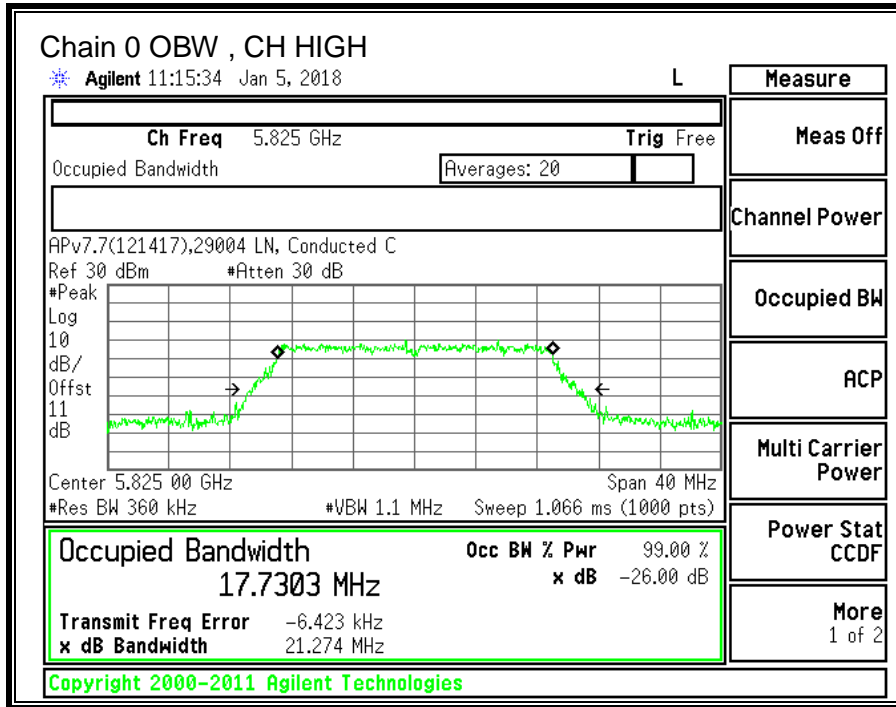
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW Chain 0 (MHz)
Low	5745	17.6773
Mid	5785	17.9692
High	5825	17.7303





8.12.3. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

RSS-247 Issue 2 Section 6.2.4.1

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.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	2.00	30.00
Mid	5785	2.00	30.00
High	5825	2.00	30.00

Duty Cycle CF (dB)	1.00	Included in Calculations of Corr'd Power
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	9.35	10.35	30.00	-19.65
Mid	5785	9.44	10.44	30.00	-19.56
High	5825	9.63	10.63	30.00	-19.37

TEST INFORMATION

Date: November 1, 2017
Tester: 45258, JL

8.13. 11n HT40 MODE IN THE 5.8 GHz BAND

8.13.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

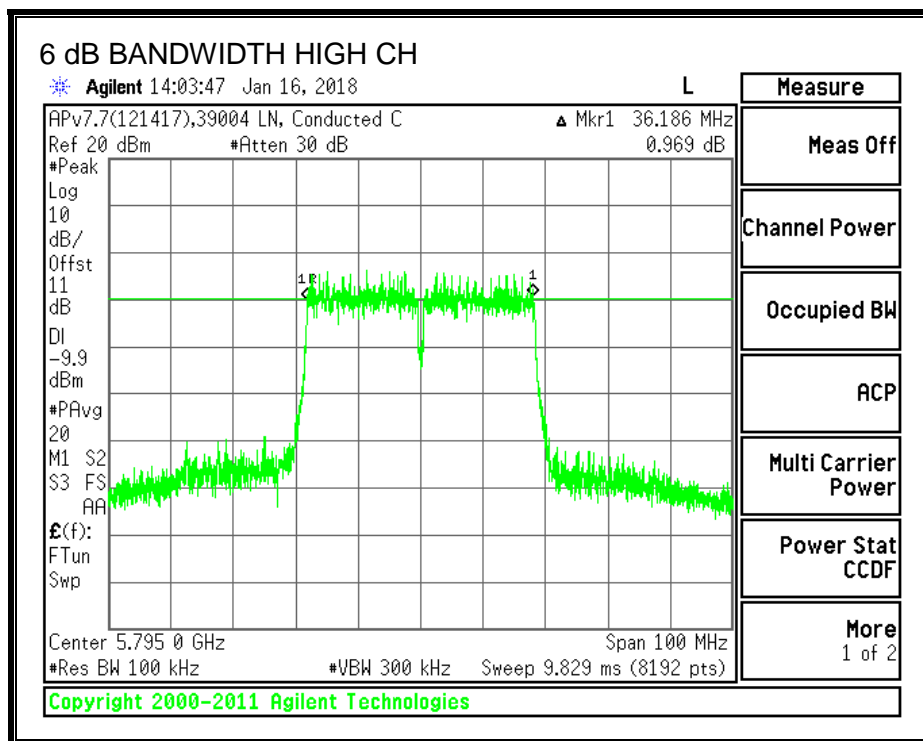
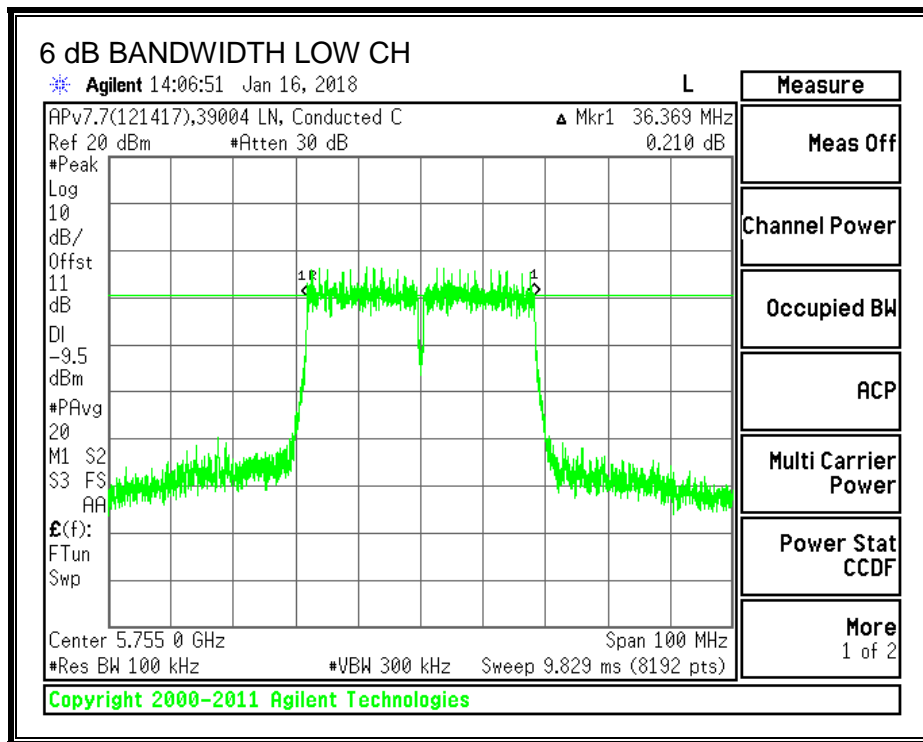
RSS-247 Issue 2 Section 5.2

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

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	36.3690	0.5
High	5795	36.1860	0.5

6 dB BANDWIDTH



8.13.2. 99% BANDWIDTH

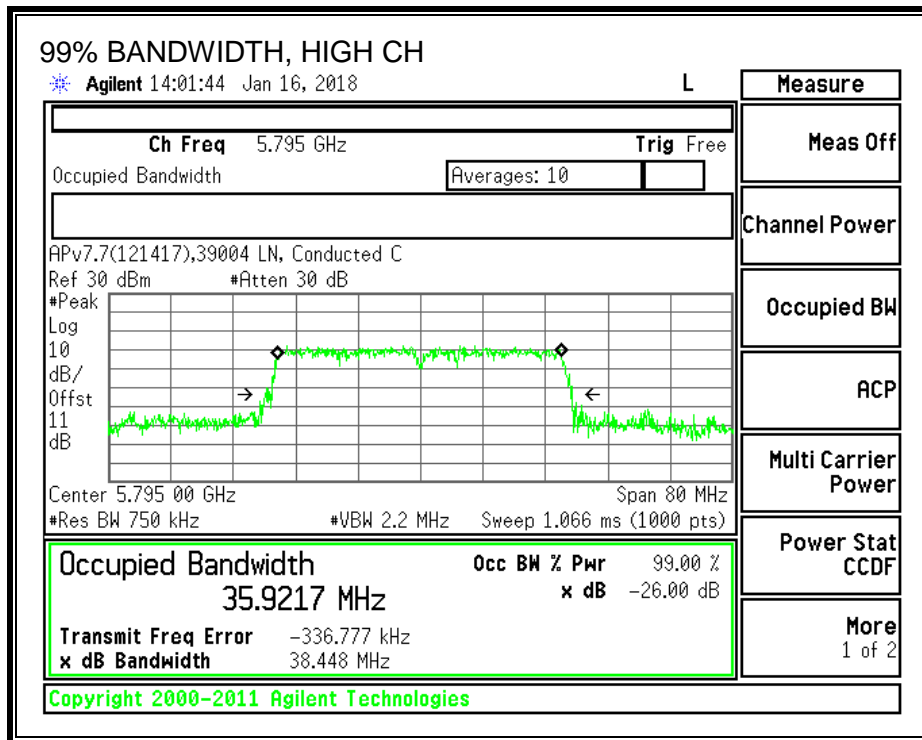
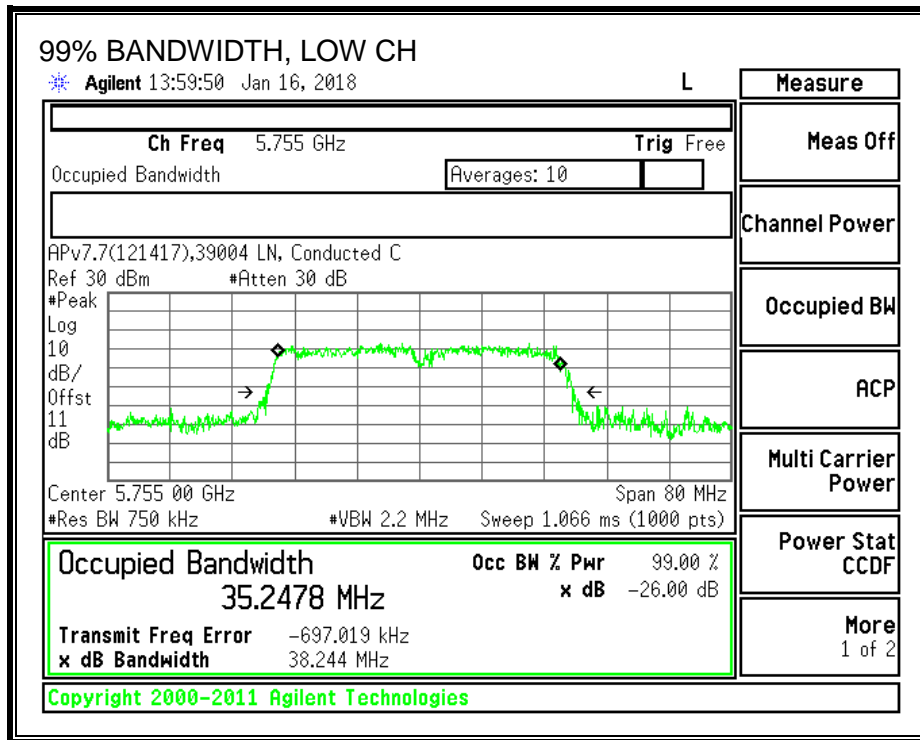
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	35.2780
High	5795	35.9217

99% BANDWIDTH



8.13.3. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

RSS-247 Issue 2 Section 6.2.4.1

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.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	2.00	30.00
High	5795	2.00	30.00

Duty Cycle CF (dB)	3.08	Included in Calculations of Corr'd Power
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	7.45	10.53	30.00	-19.47
High	5795	7.23	10.31	30.00	-19.69

TEST INFORMATION

Date: 1/16/2018
Tester: 39004

8.13.4. Maximum Power Spectral Density (PSD)

LIMITS

FCC §15.407 (a) (3)

RSS-247 Issue 2 Section 6.2.4.1

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.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limits

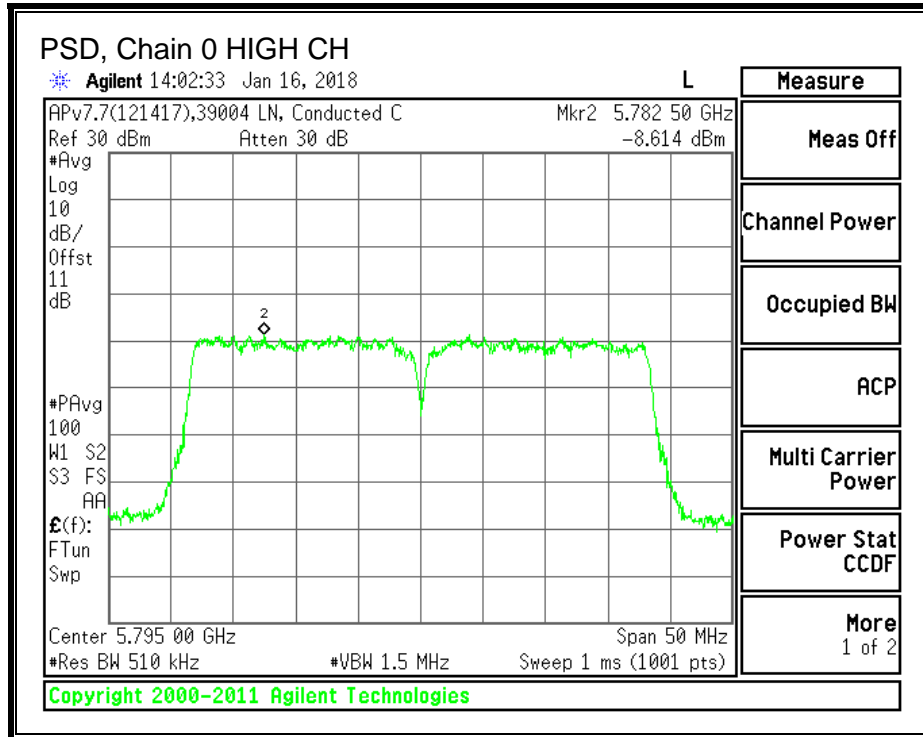
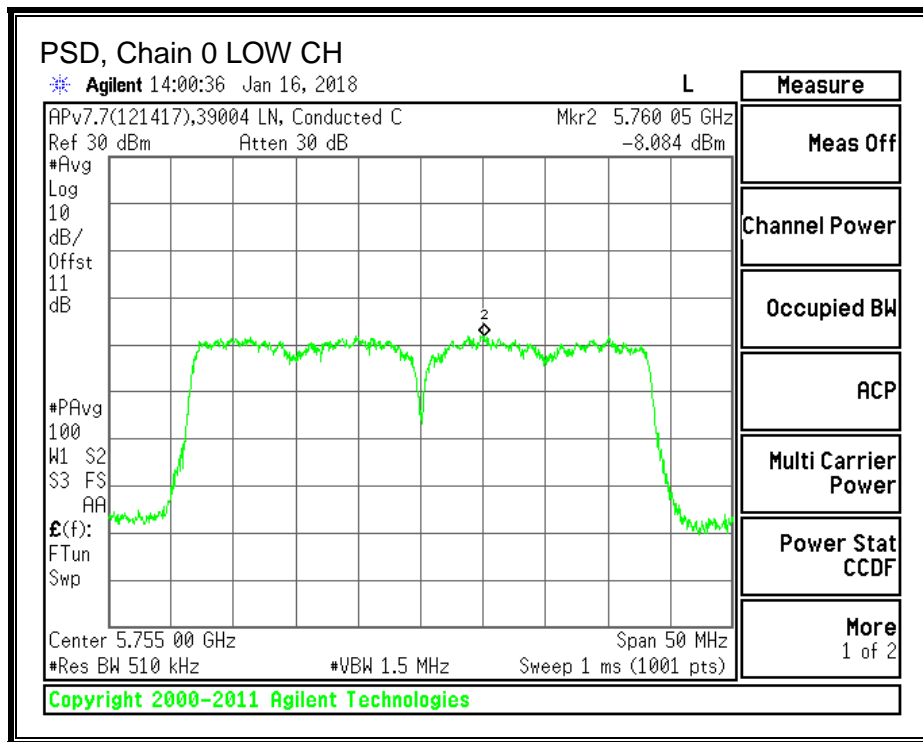
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	2.00	30.00
High	5795	2.00	30.00

Duty Cycle CF (dB)	3.08	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-8.08	-5.00	30.00	-35.00
High	5795	-8.61	-5.53	30.00	-35.53

PSD, Chain 0



9. RADIATED TEST RESULTS

LIMITS

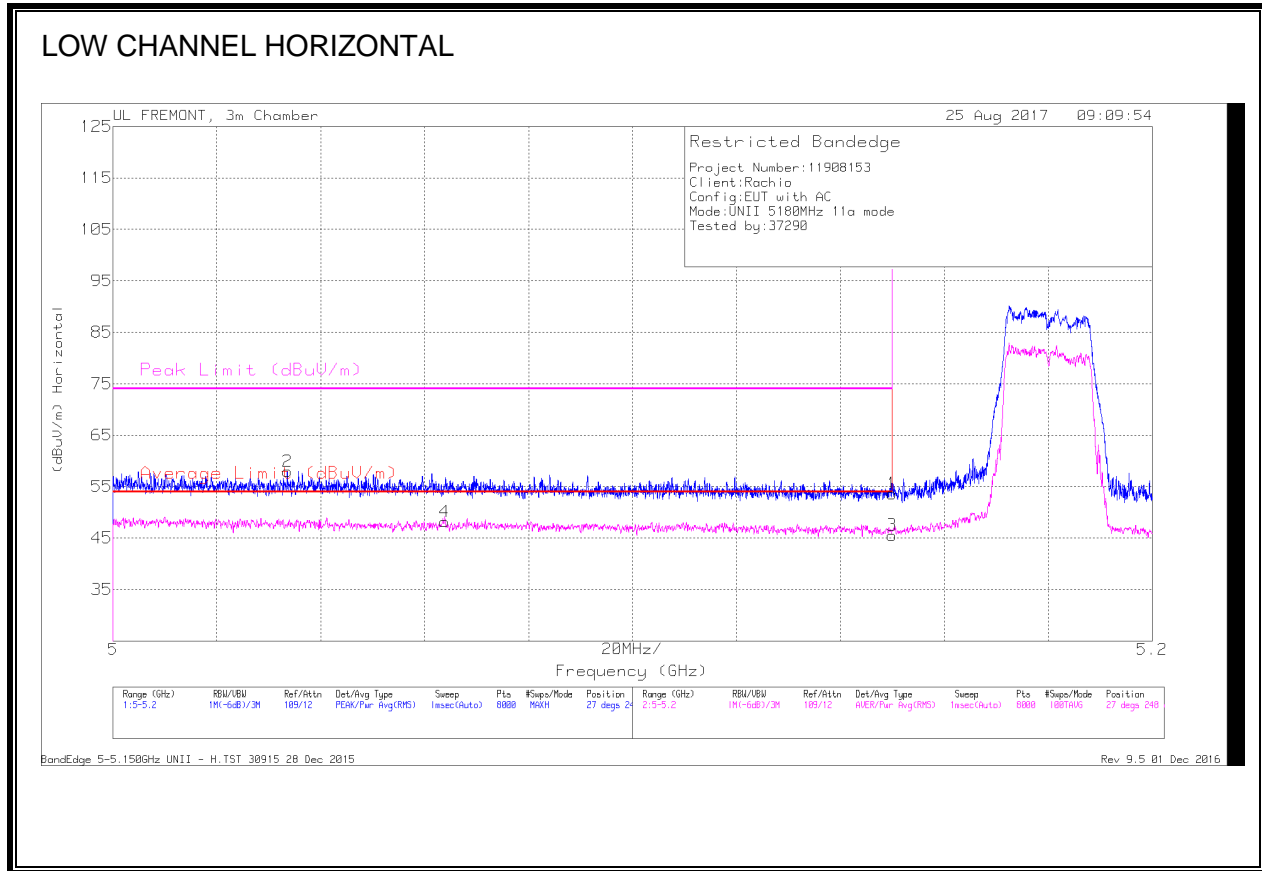
FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

9.1. RADIATED EMISSIONS 1-18 GHz

9.1.1. 11a MODE IN THE 5.2GHz BAND

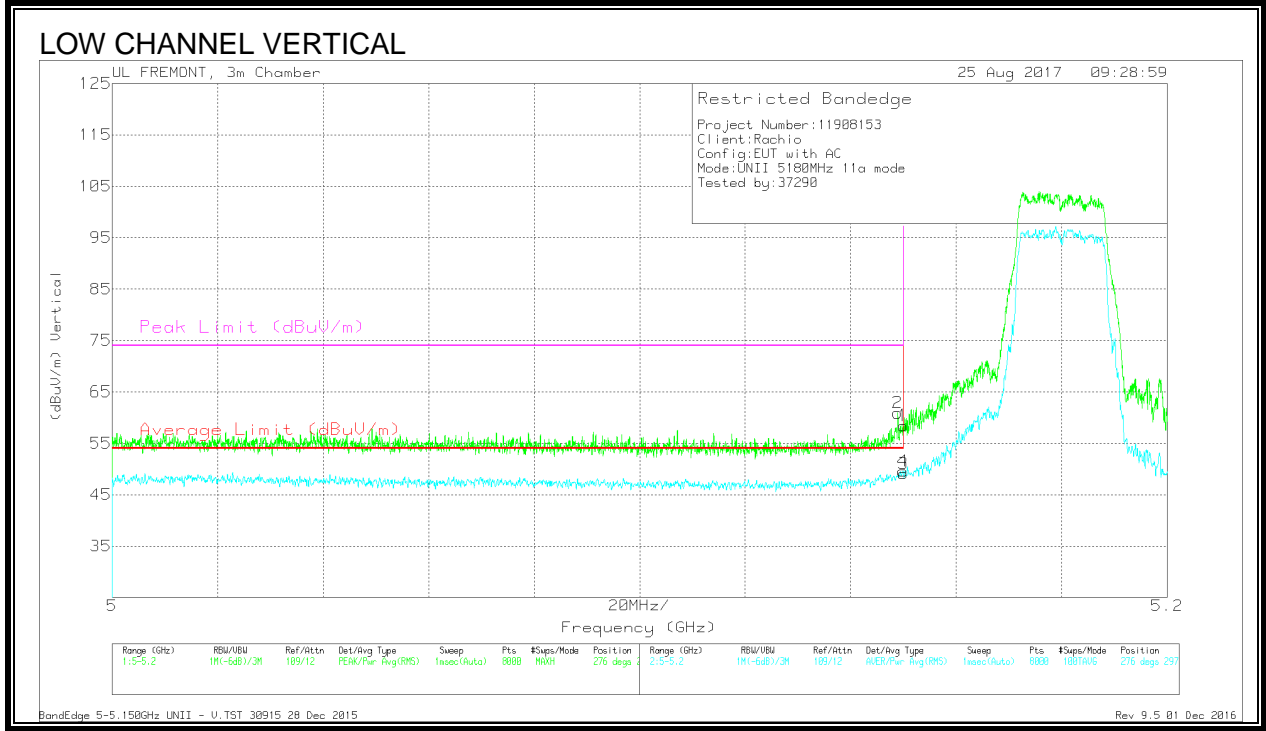
RESTRICTED BANDEDGE (LOW CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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
2	5.034	42.05	Pk	34.1	-18.2	0	57.95	-	-	74	-16.05	27	248	H
4	5.064	32.37	RMS	34.1	-18.3	.94	49.11	54	-4.89	-	-	27	248	H
1	5.15	37.94	Pk	34.2	-18.5	0	53.64	-	-	74	-20.36	27	248	H
3	5.15	29.84	RMS	34.2	-18.5	.94	46.48	54	-7.52	-	-	27	248	H

Pk - Peak detector
 RMS - RMS detection

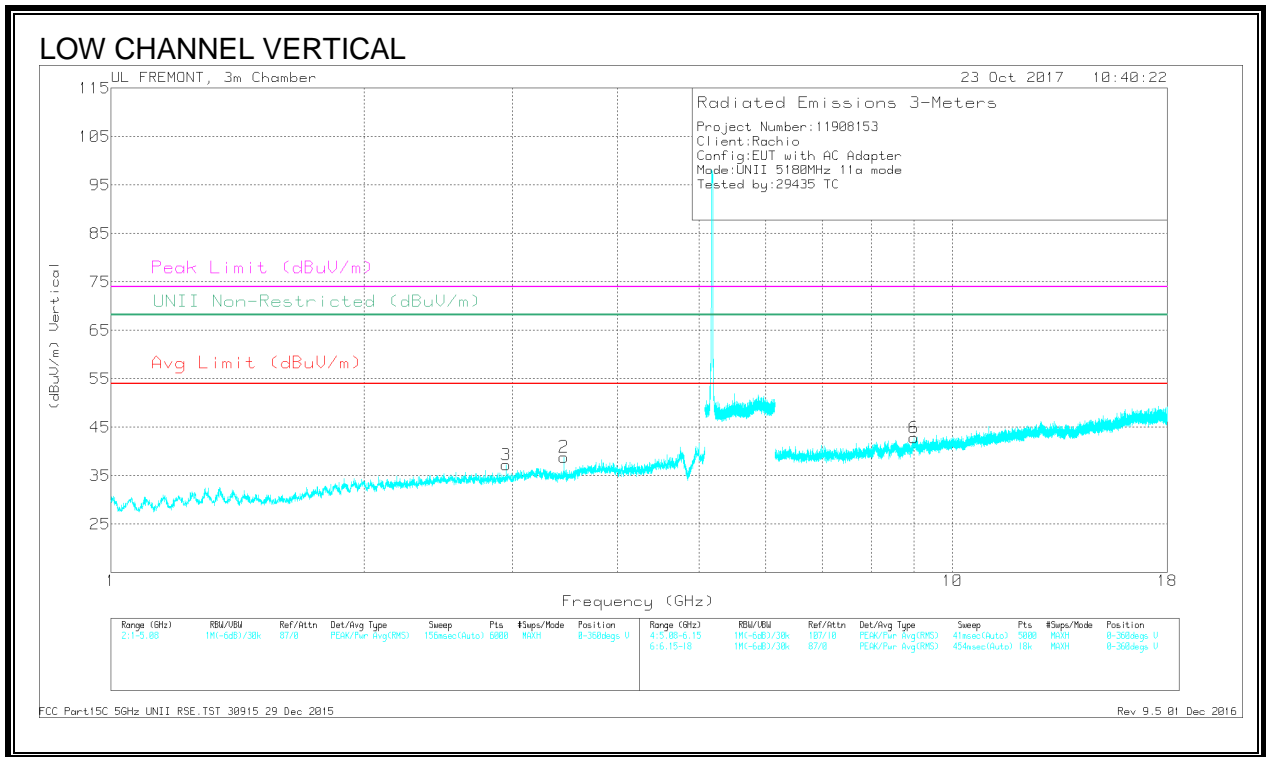
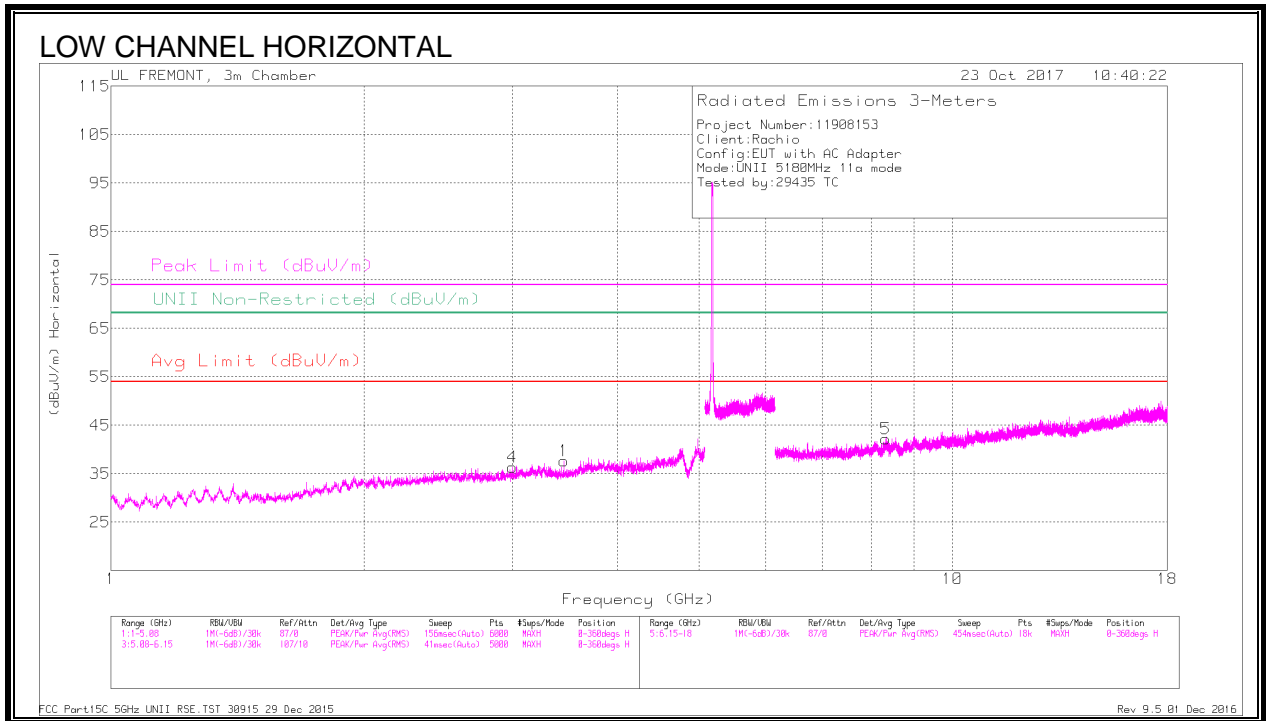


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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
2	5.149	45.22	Pk	34.2	-18.5	0	60.92	-	-	74	-13.08	276	297	V
1	5.15	42.72	Pk	34.2	-18.5	0	58.42	-	-	74	-15.58	276	297	V
3	5.15	32.43	RMS	34.2	-18.5	.94	48.98	54	-4.93	-	-	276	297	V
4	5.15	32.91	RMS	34.2	-18.5	.94	49.55	54	-4.45	-	-	276	297	V

Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

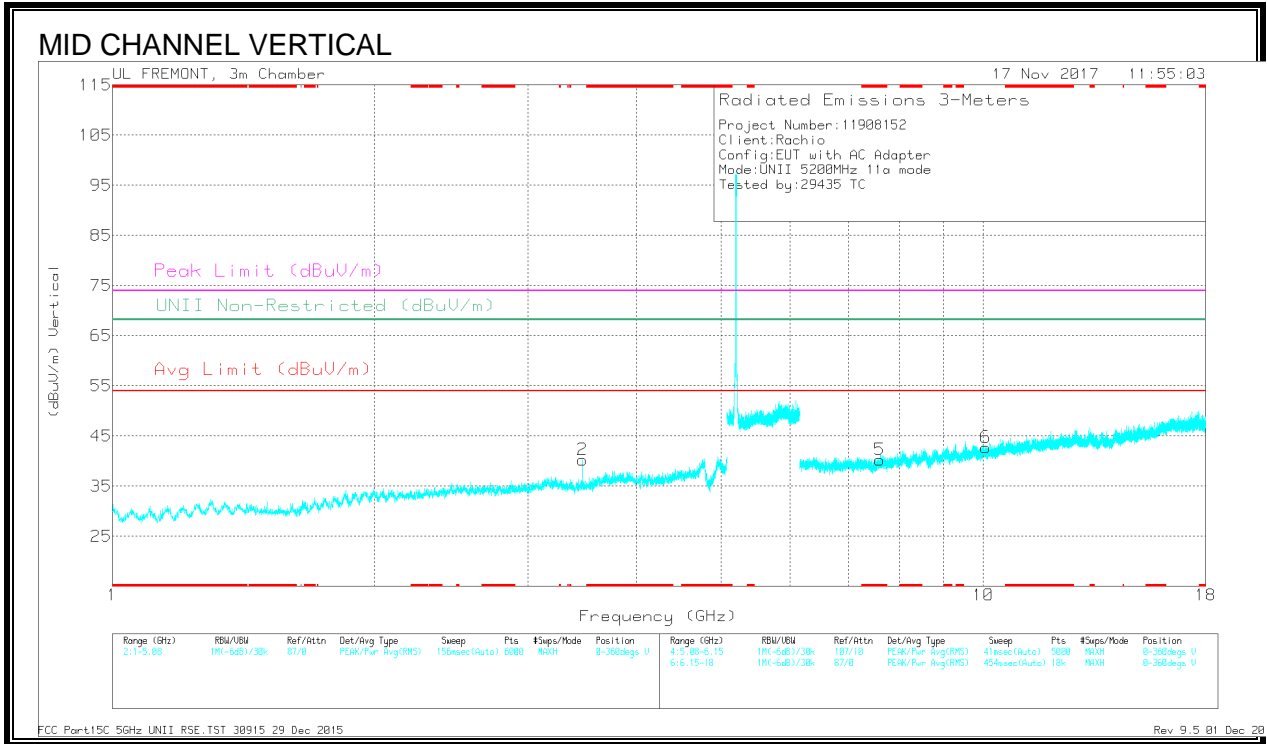
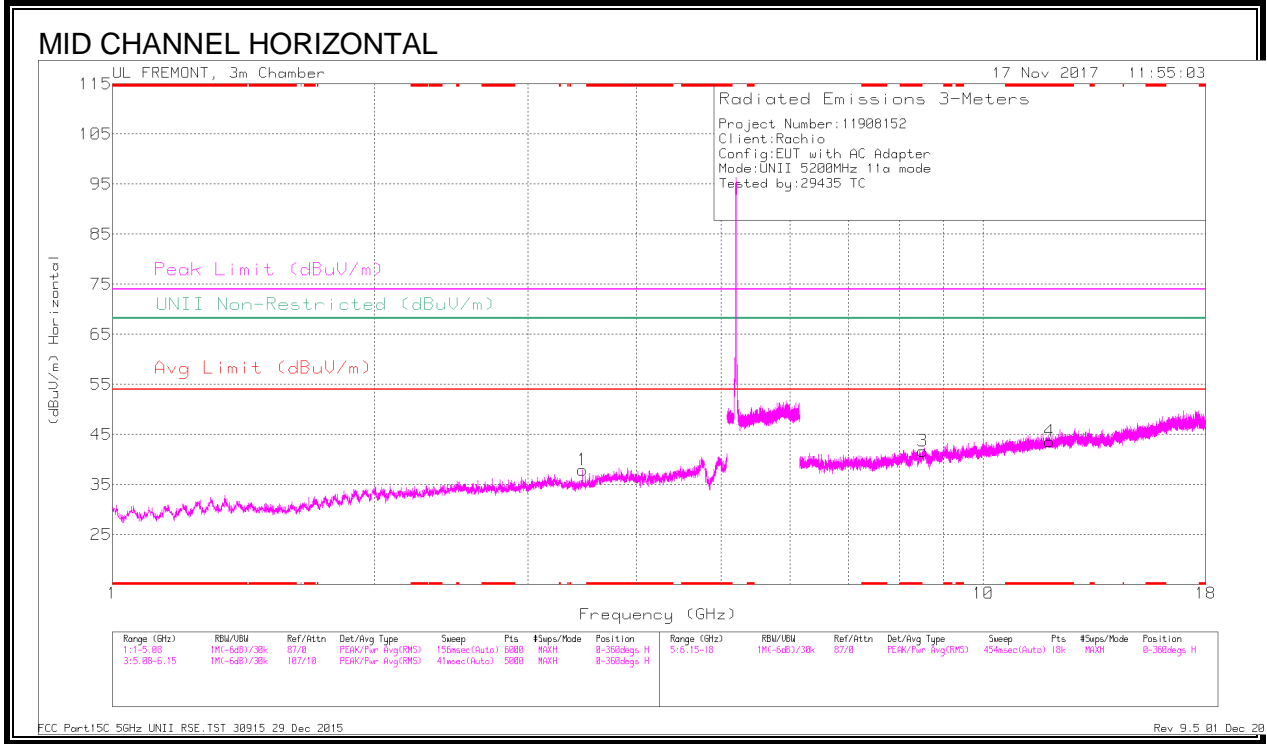
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 8.327	29.71	Pk	35.8	-23.3	0	42.21	-	-	74	-31.79	-	-	0-360	200	H
6	* 9	28.62	Pk	36.1	-21.9	0	42.82	-	-	74	-31.18	-	-	0-360	200	V
3	2.947	34.95	Pk	32.5	-30.2	0	37.25	-	-	-	-	68.2	-30.95	0-360	100	V
4	2.997	33.79	Pk	32.8	-30.2	0	36.39	-	-	-	-	68.2	-31.81	0-360	100	H
1	3.453	34.85	Pk	32.8	-30	0	37.65	-	-	-	-	68.2	-30.55	0-360	200	H
2	3.453	36.08	Pk	32.8	-30	0	38.68	-	-	-	-	68.2	-29.32	0-360	200	V

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Filt/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
* 8.328	36.23	PK-U	35.8	-23.3	0	48.73	-	-	74	-25.27	-	-	213	242	H
* 8.327	23.58	ADR	35.8	-23.3	.94	37.0	54	-16.97	-	-	-	-	213	242	H
2.946	39.62	PK-U	32.5	-30.2	0	41.92	-	-	-	-	68.2	-26.28	230	202	V
2.948	27.96	ADR	32.5	-30.2	.94	31.21	-	-	-	-	-	-	230	202	V
2.999	39.36	PK-U	32.8	-30.2	0	41.96	-	-	-	-	68.2	-26.24	278	181	H
2.999	27.86	ADR	32.8	-30.2	.94	31.41	-	-	-	-	-	-	278	181	H
3.453	29.72	ADR	32.8	-30	.94	33.47	-	-	-	-	-	-	311	129	H
3.453	36.4	ADR	32.8	-30	.94	40.15	-	-	-	-	-	-	258	378	V
3.454	40.53	PK-U	32.8	-30	0	43.33	-	-	-	-	68.2	-24.87	311	129	H
3.454	43.23	PK-U	32.8	-30	0	46.03	-	-	-	-	68.2	-22.17	258	378	V
8.943	23.6	ADR	36	-24.3	.94	36.25	-	-	-	-	-	-	315	181	V
8.954	36.03	PK-U	36	-23.9	0	48.13	-	-	-	-	68.2	-20.07	315	181	V

*PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Trace Markers

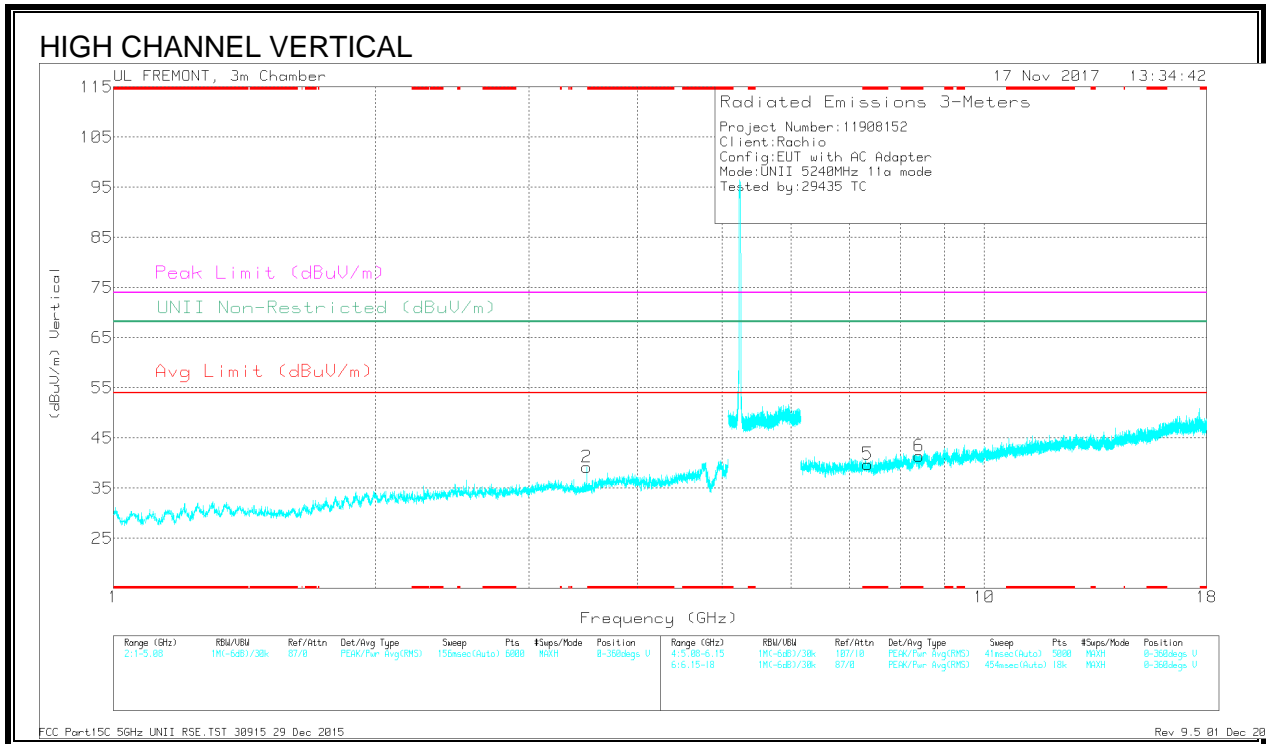
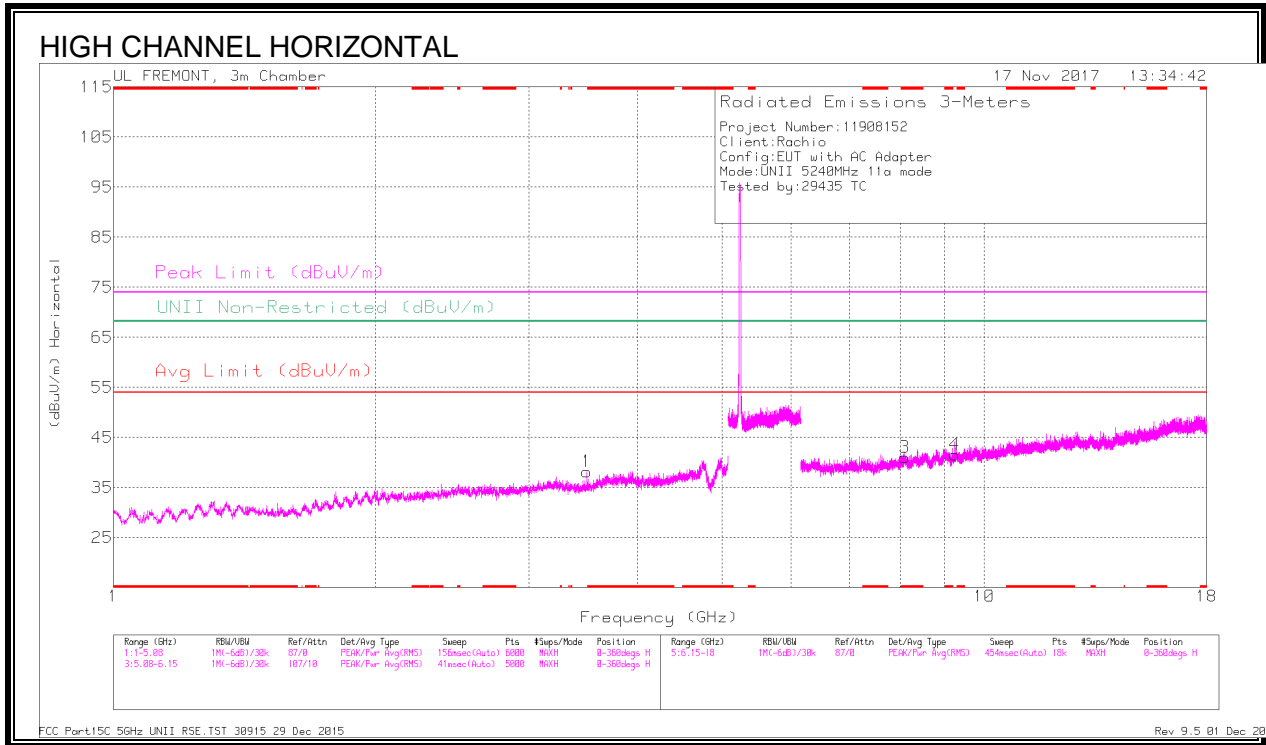
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Chl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 11.91	27.71	Pk	38.6	-22.7	0	43.61	-	-	74	-30.39	-	-	0-360	200	H
5	* 7.606	29.89	Pk	35.7	-25.3	0	40.29	-	-	74	-33.71	-	-	0-360	200	V
1	3.467	35.02	Pk	32.8	-29.9	0	37.92	-	-	-	-	68.2	-30.28	0-360	200	H
2	3.467	37.34	Pk	32.8	-29.9	0	40.24	-	-	-	-	68.2	-27.96	0-360	200	V
3	8.521	29.62	Pk	35.8	-23.8	0	41.62	-	-	-	-	68.2	-26.58	0-360	100	H
6	10.067	27.55	Pk	37	-21.8	0	42.75	-	-	-	-	68.2	-25.45	0-360	200	V

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Chl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.909	34.5	PK-U	38.6	-22.7	0	50.4	-	-	74	-23.6	-	-	297	102	H
* 11.909	22.32	ADR	38.6	-22.7	.94	39.16	54	-14.84	-	-	-	-	297	102	H
* 7.605	36.45	PK-U	35.7	-25.3	0	46.85	-	-	74	-27.15	-	-	205	203	V
* 7.606	24.29	ADR	35.7	-25.3	.94	35.63	54	-18.37	-	-	-	-	205	203	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



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Chl/Rtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	LNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 8.104	28.23	Pk	35.7	-22.9	0	41.03	-	-	74	-32.97	-	-	0-360	100	H
5	* 7.344	29.69	Pk	35.5	-25.4	0	39.79	-	-	74	-34.21	-	-	0-360	200	V
6	* 8.413	29.37	Pk	35.8	-23.8	0	41.37	-	-	74	-32.63	-	-	0-360	100	V
1	3.493	34.63	Pk	32.9	-29.4	0	38.13	-	-	-	-	68.2	-30.07	0-360	200	H
2	3.493	35.76	Pk	32.9	-29.4	0	39.26	-	-	-	-	68.2	-28.94	0-360	200	V
4	9.254	27.19	Pk	36.2	-21.8	0	41.59	-	-	-	-	68.2	-26.61	0-360	100	H

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

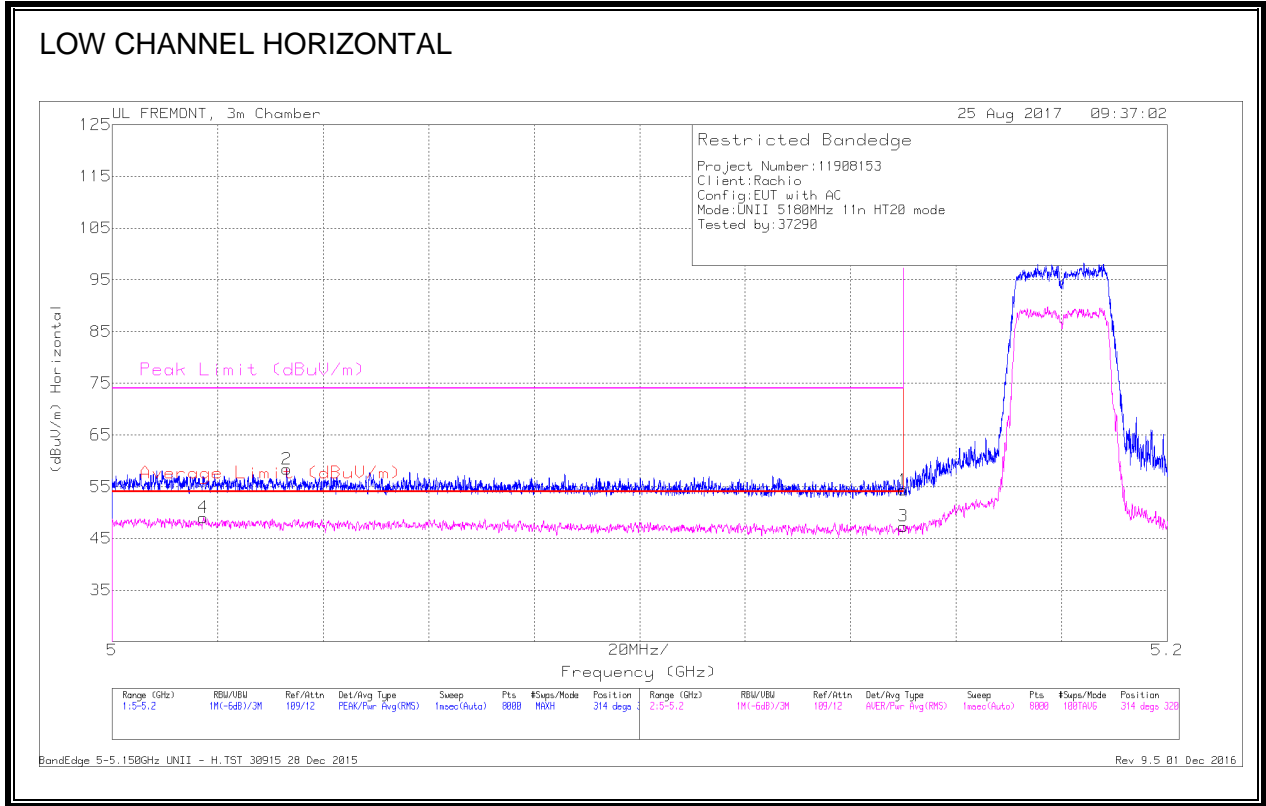
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Chl/Rtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	LNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 8.104	35.92	PK-U	35.7	-22.9	0	48.72	-	-	74	-25.28	-	-	221	239	H
* 8.102	22.6	ADR	35.7	-23.1	.94	36.14	54	-17.87	-	-	-	-	221	239	H
* 7.342	36.15	PK-U	35.5	-25.6	0	46.05	-	-	74	-27.95	-	-	33	198	V
* 7.342	24.06	ADR	35.5	-25.6	.94	34.90	54	-19.10	-	-	-	-	33	198	V
* 8.411	35.08	PK-U	35.8	-23.6	0	47.28	-	-	74	-26.72	-	-	274	197	V
* 8.414	22.67	ADR	35.8	-23.9	.94	35.51	54	-18.49	-	-	-	-	274	197	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. 11n HT20 MODE IN THE 5.2GHz BAND

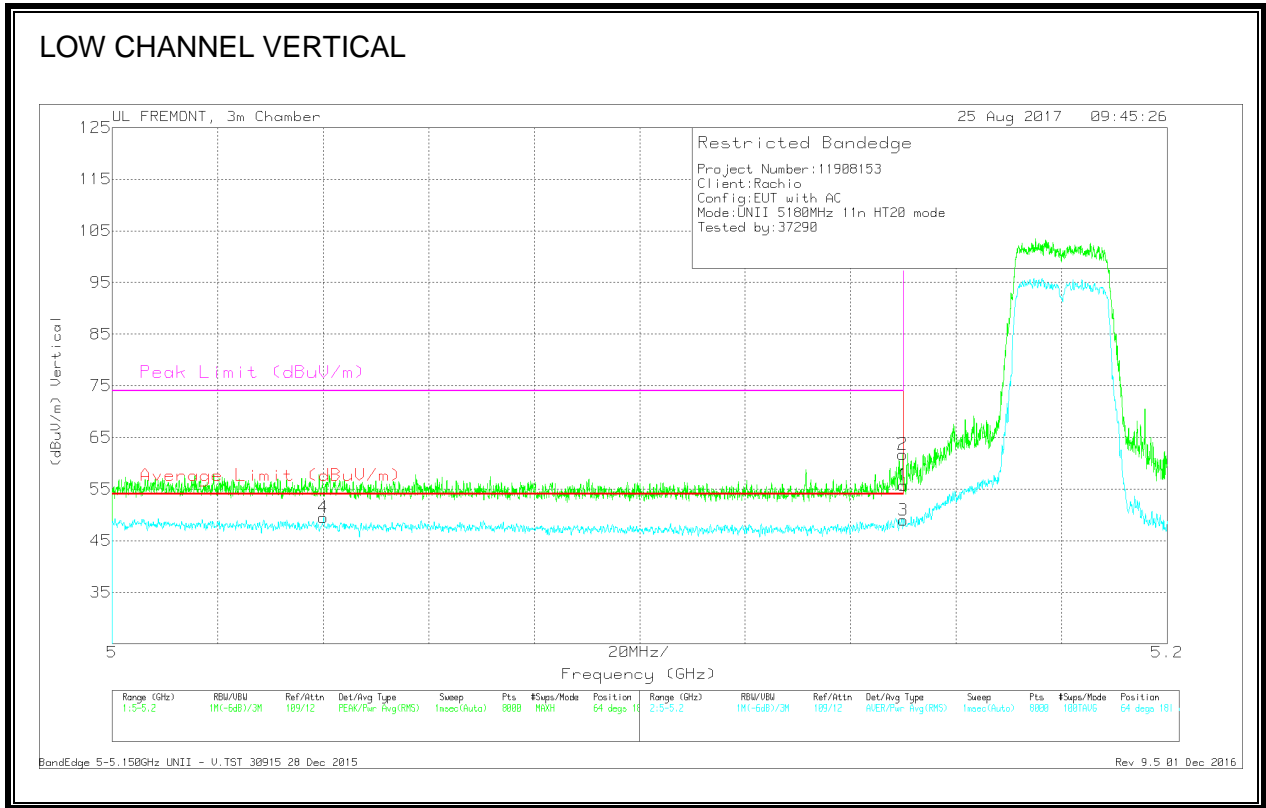
RESTRICTED BANDEDGE (LOW CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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
4	5.017	32.12	RMS	34.1	-18.2	1.0	49.02	54	-4.98	-	-	314	320	H
2	5.033	42.48	Pk	34.1	-18.2	0	58.38	-	-	74	-15.62	314	320	H
1	5.15	38.65	Pk	34.2	-18.5	0	54.35	-	-	74	-19.65	314	320	H
3	5.15	30.62	RMS	34.2	-18.5	1.0	47.32	54	-6.68	-	-	314	320	H

Pk - Peak detector
 RMS - RMS detection

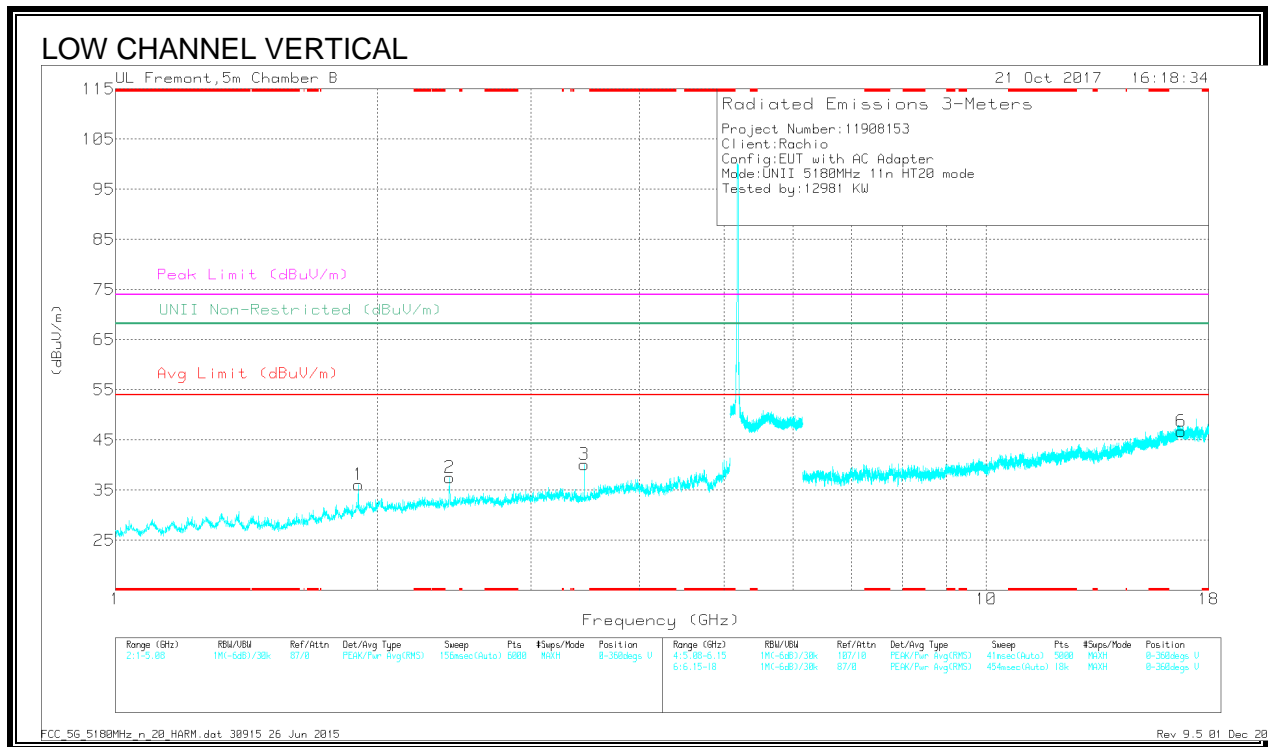
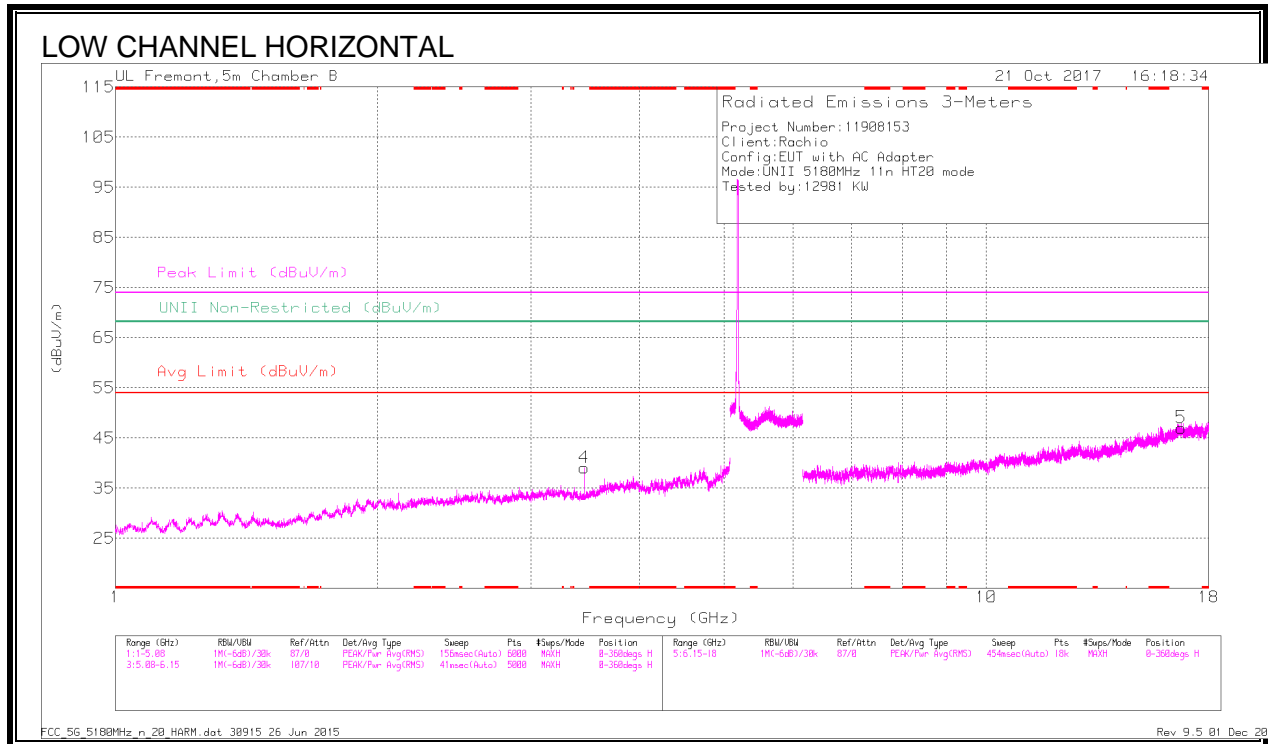


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.04	32.58	RMS	34.1	-18.2	1.0	49.48	54	-4.52	-	-	64	181	V
1	5.15	40.03	Pk	34.2	-18.5	0	55.73	-	-	74	-18.27	64	181	V
2	5.15	46.03	Pk	34.2	-18.5	0	61.73	-	-	74	-12.27	64	181	V
3	5.15	32.25	RMS	34.2	-18.5	1.0	48.95	54	-5.05	-	-	64	181	V

Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

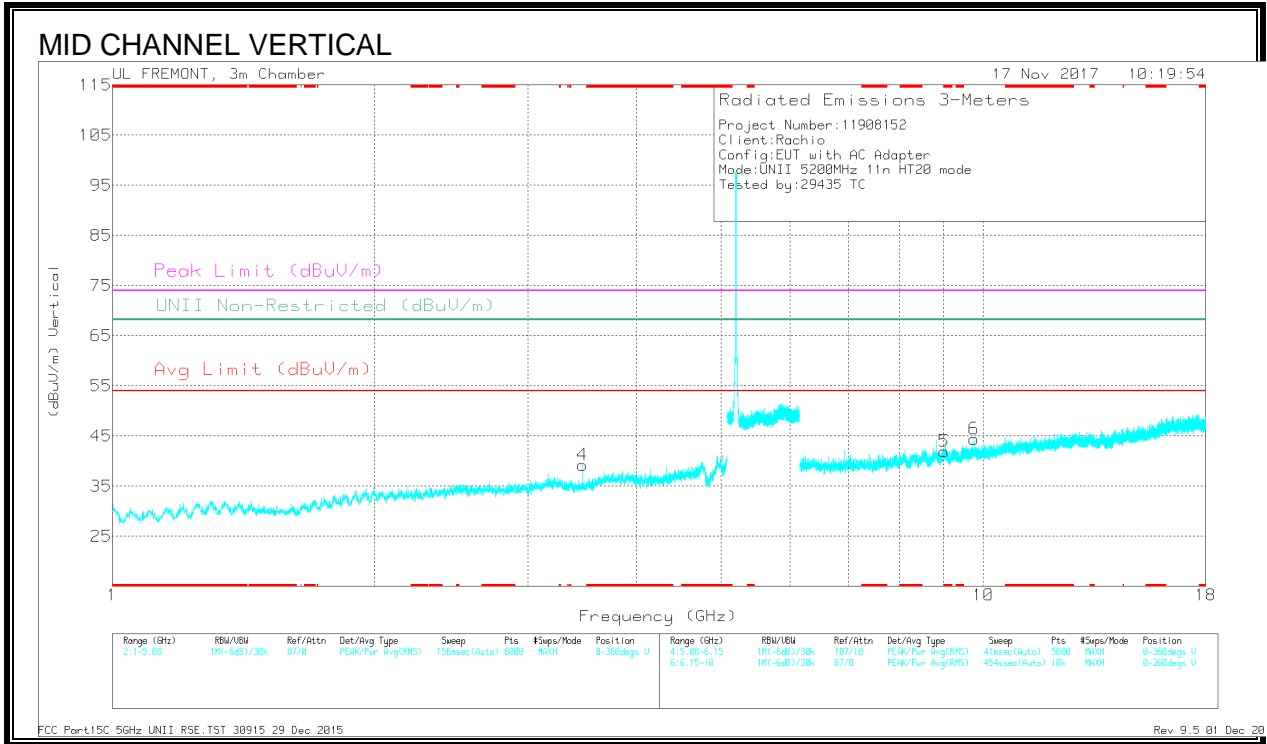
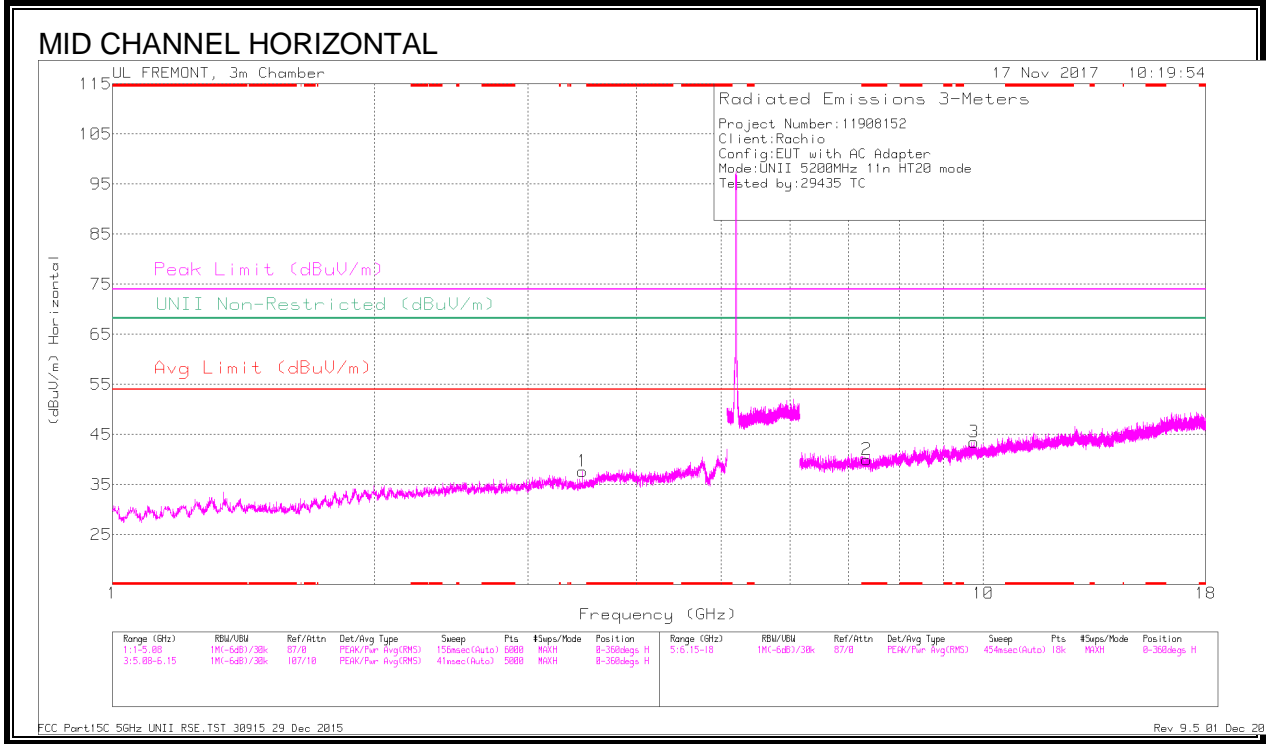
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CM/Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.9	37.64	Pk	30.9	-32.5	0	36.04	-	-	-	-	68.2	-32.16	0-360	200	V
2	2.419	38.04	Pk	32.1	-32.6	0	37.54	-	-	-	-	68.2	-30.66	0-360	102	V
4	3.453	38.07	Pk	32.6	-31.6	0	39.07	-	-	-	-	68.2	-29.13	0-360	199	H
3	3.453	39.09	Pk	32.6	-31.6	0	40.09	-	-	-	-	68.2	-28.11	0-360	200	V
5	16.741	24.46	Pk	42.3	-19.7	0	47.06	-	-	-	-	68.2	-21.14	0-360	199	H
6	16.741	24.16	Pk	42.3	-19.7	0	46.76	-	-	-	-	68.2	-21.44	0-360	102	V

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

Radiated Emissions

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CM/Filt/Pad (dB)	DC Corr (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
1.901	40.93	PK-U	30.9	-32.4	0	39.43	-	-	-	-	68.2	-28.77	123	166	V
2.42	40.31	PK-U	32.1	-32.6	0	39.81	-	-	-	-	68.2	-28.39	280	126	V
3.453	43.52	PK-U	32.6	-31.6	0	44.52	-	-	-	-	68.2	-23.68	285	255	H
3.453	43.81	PK-U	32.6	-31.6	0	44.81	-	-	-	-	68.2	-23.39	71	191	V
16.742	30.65	PK-U	42.3	-19.7	0	53.25	-	-	-	-	68.2	-14.95	239	132	H
16.742	29.91	PK-U	42.3	-19.7	0	52.51	-	-	-	-	68.2	-15.69	123	151	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Chl/Freq/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	LNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 7.347	29.55	Pk	35.5	-25.1	0	39.95	-	-	74	-34.05	-	-	0-360	200	H
5	* 9.02	27.89	Pk	36.1	-22.1	0	41.89	-	-	74	-32.11	-	-	0-360	200	V
1	3.467	34.75	Pk	32.8	-29.9	0	37.65	-	-	-	-	68.2	-30.55	0-360	100	H
4	3.467	36.3	Pk	32.8	-29.9	0	39.2	-	-	-	-	68.2	-29	0-360	200	V
6	9.758	28.97	Pk	36.9	-21.5	0	44.37	-	-	-	-	68.2	-23.83	0-360	100	V
3	9.759	28.12	Pk	36.9	-21.5	0	43.52	-	-	-	-	68.2	-24.68	0-360	200	H

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

Pk - Peak detector

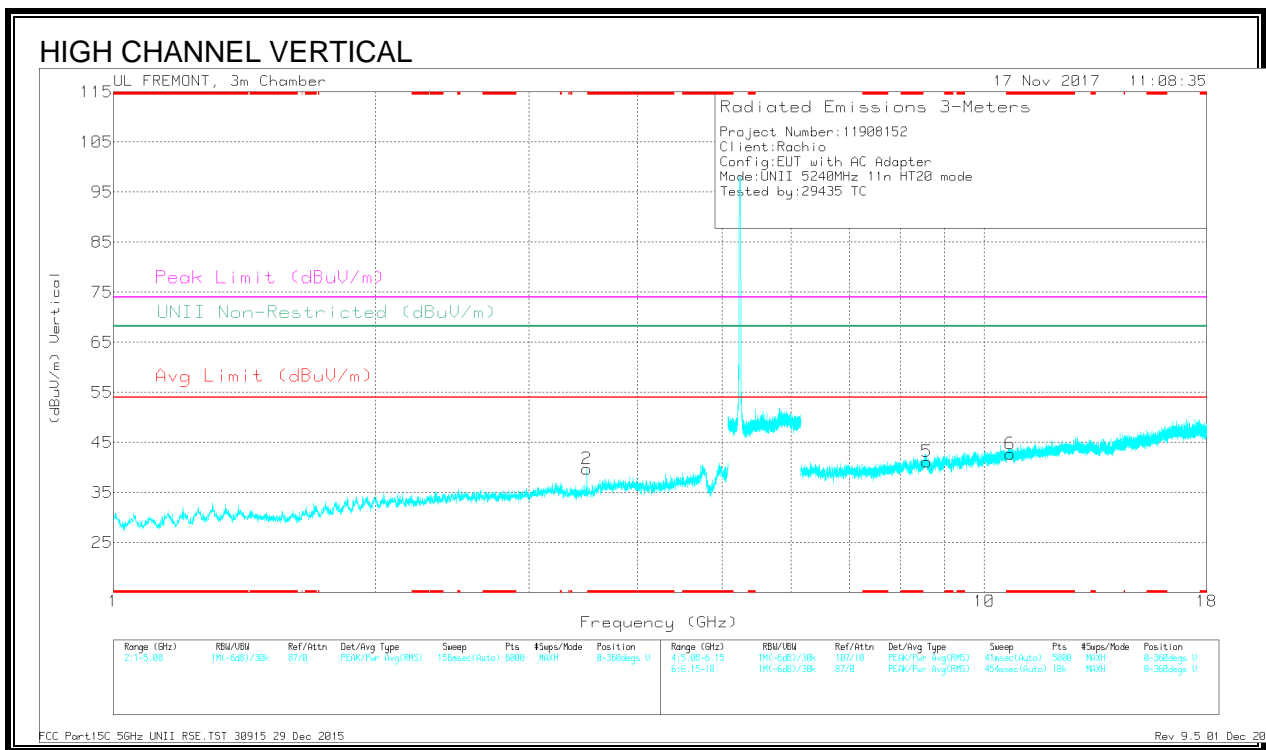
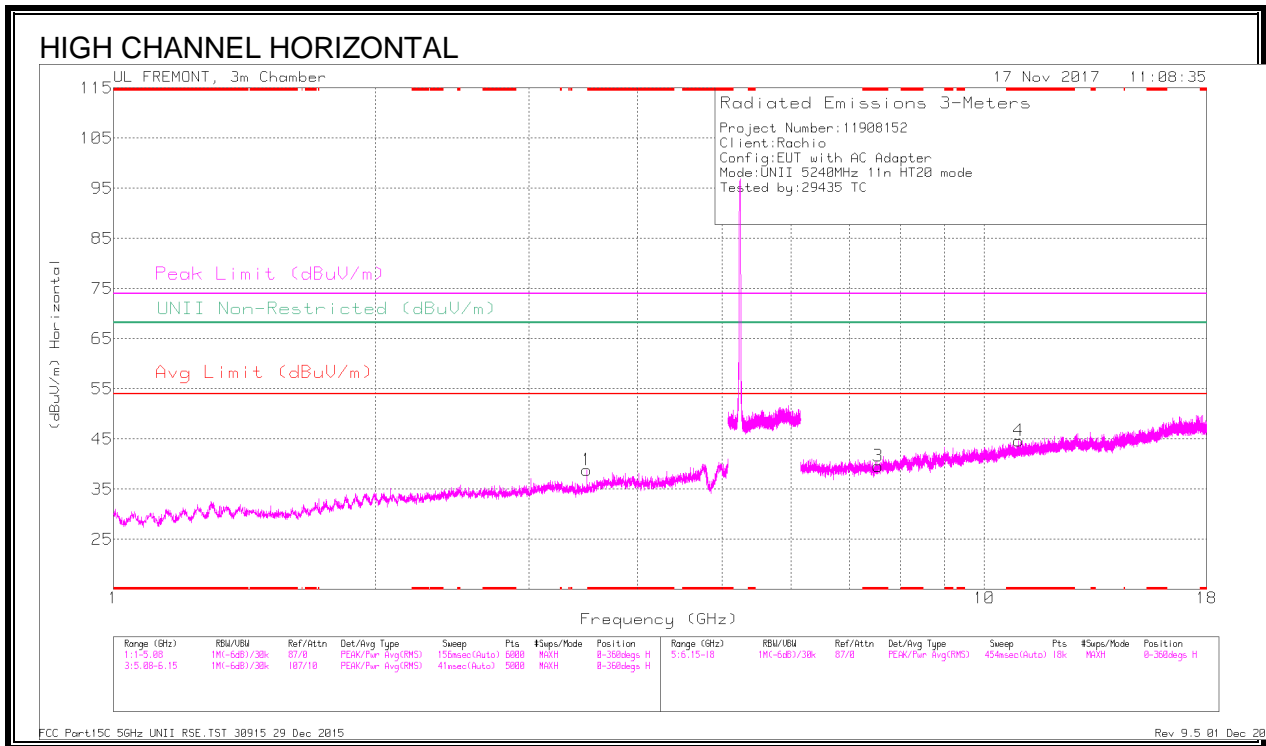
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Chl/Freq/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	LNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.346	36.79	PK-U	35.5	-25.2	0	47.09	-	-	74	-26.91	-	-	12	131	H
* 7.348	24.15	ADR	35.5	-24.9	1	35.75	54	-18.25	-	-	-	-	12	131	H
* 9.021	34.97	PK-U	36.1	-22.1	0	48.97	-	-	74	-25.03	-	-	53	141	V
* 9.022	21.93	ADR	36.1	-22.1	1	36.93	54	-17.07	-	-	-	-	53	141	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



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Clk/Freq/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 7.547	29.59	Pk	35.6	-25.6	0	39.59	-	-	74	-34.41	-	-	0-360	200	H
4	* 10.951	28.64	Pk	37.8	-21.8	0	44.64	-	-	74	-29.36	-	-	0-360	100	H
6	* 10.701	26.56	Pk	37.9	-21.7	0	42.76	-	-	74	-31.24	-	-	0-360	200	V
1	3.493	35.34	Pk	32.9	-29.4	0	38.84	-	-	-	-	68.2	-29.36	0-360	200	H
2	3.493	36.21	Pk	32.9	-29.4	0	39.71	-	-	-	-	68.2	-28.49	0-360	100	V
5	8.59	28.05	Pk	35.9	-22.8	0	41.15	-	-	-	-	68.2	-27.05	0-360	200	V

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

Pk - Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Clk/Freq/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.548	36.16	PK-U	35.6	-25.6	0	46.16	-	-	74	-27.84	-	-	283	100	H
* 7.545	23.9	ADR	35.6	-25.6	1	34.90	54	-19.10	-	-	-	-	283	100	H
* 10.952	34.25	PK-U	37.8	-21.8	0	50.25	-	-	74	-23.75	-	-	210	166	H
* 10.95	20.91	ADR	37.8	-21.8	1	37.91	54	-16.09	-	-	-	-	210	166	H
* 10.7	33.97	PK-U	37.9	-21.7	0	50.17	-	-	74	-23.83	-	-	188	180	V
* 10.7	20.94	ADR	37.9	-21.7	1	38.14	54	-15.86	-	-	-	-	188	180	V

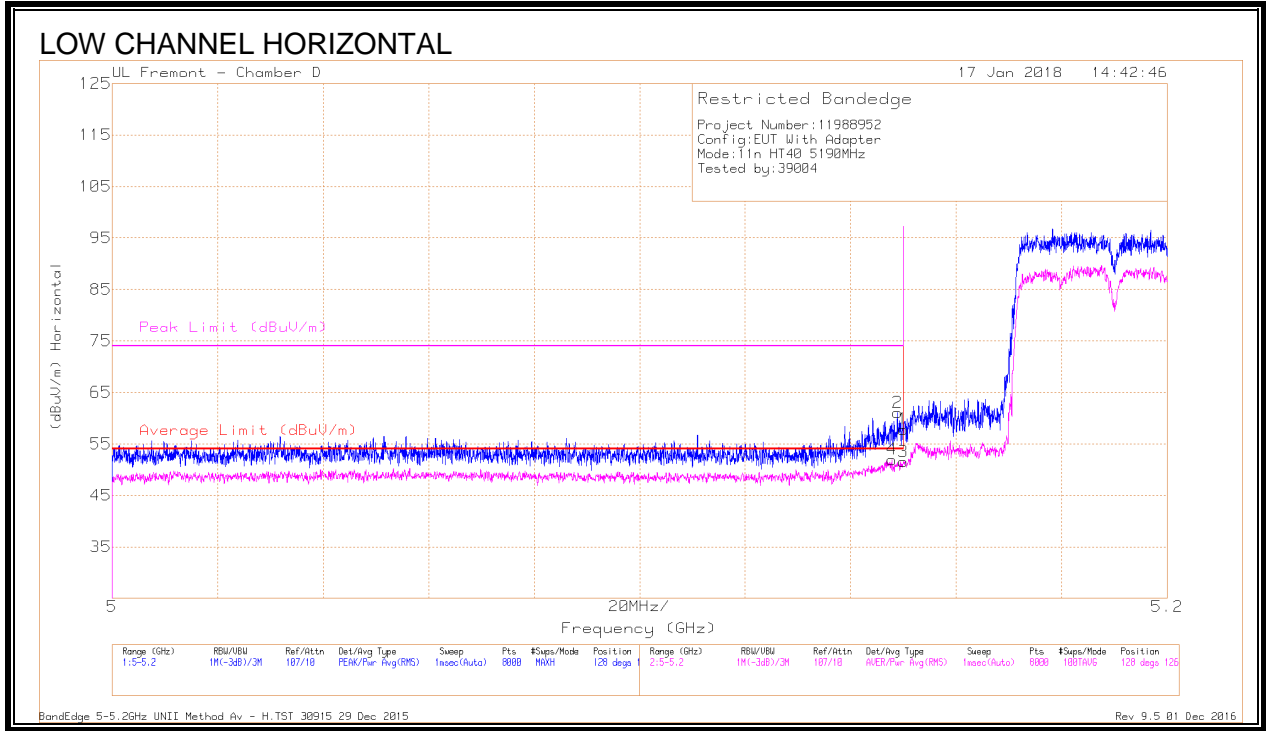
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.3. 11n HT40 MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



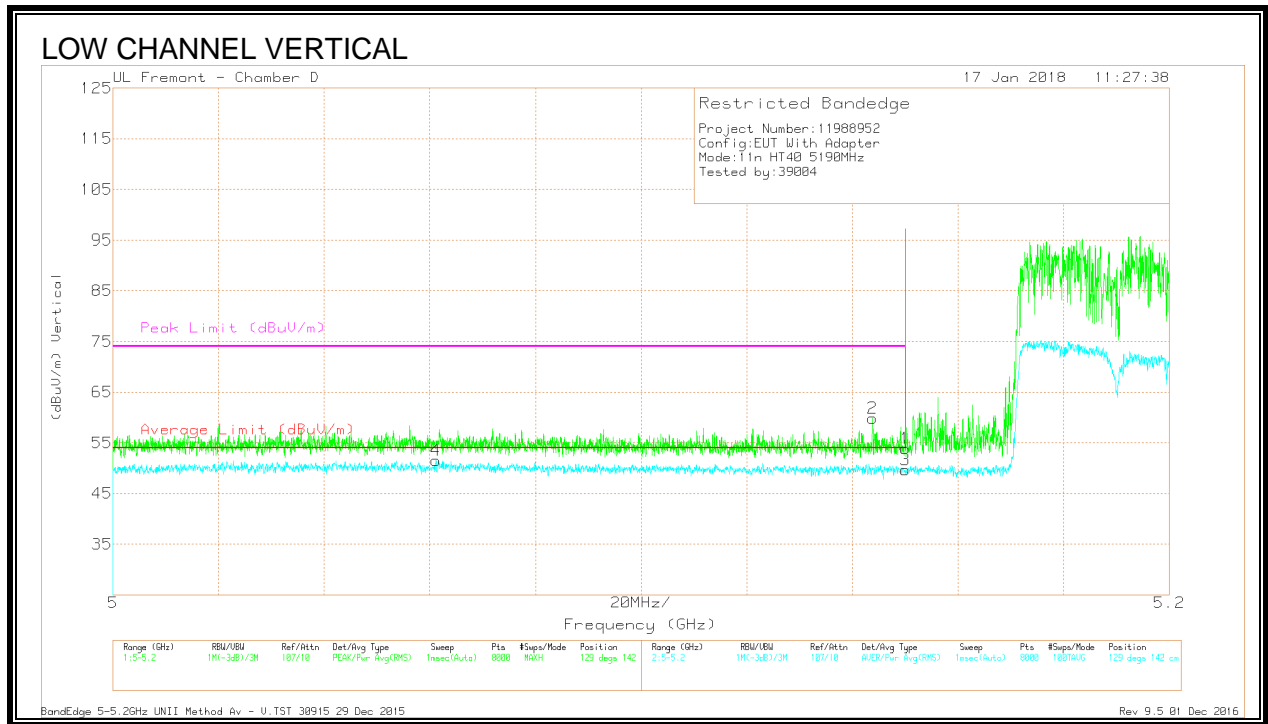
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Flt/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	41.74	Pk	34.1	-18	0	57.84	-	-	74	-16.16	128	126	H
2	* 5.149	44.98	Pk	34.1	-18	0	61.08	-	-	74	-12.92	128	126	H
3	* 5.15	32.36	RMS	34.1	-18	3.08	51.54	54	-2.46	-	-	128	126	H
4	* 5.148	32.79	RMS	34.1	-18	3.08	51.97	54	-2.03	-	-	128	126	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

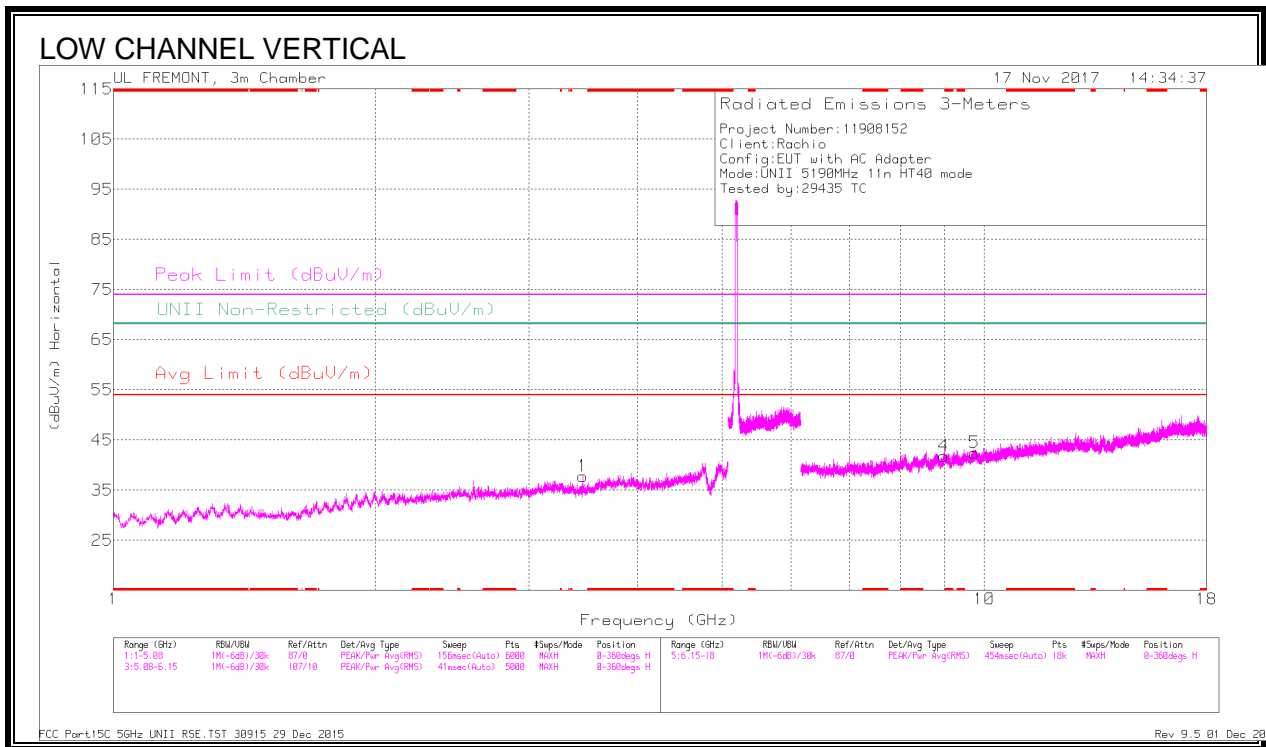
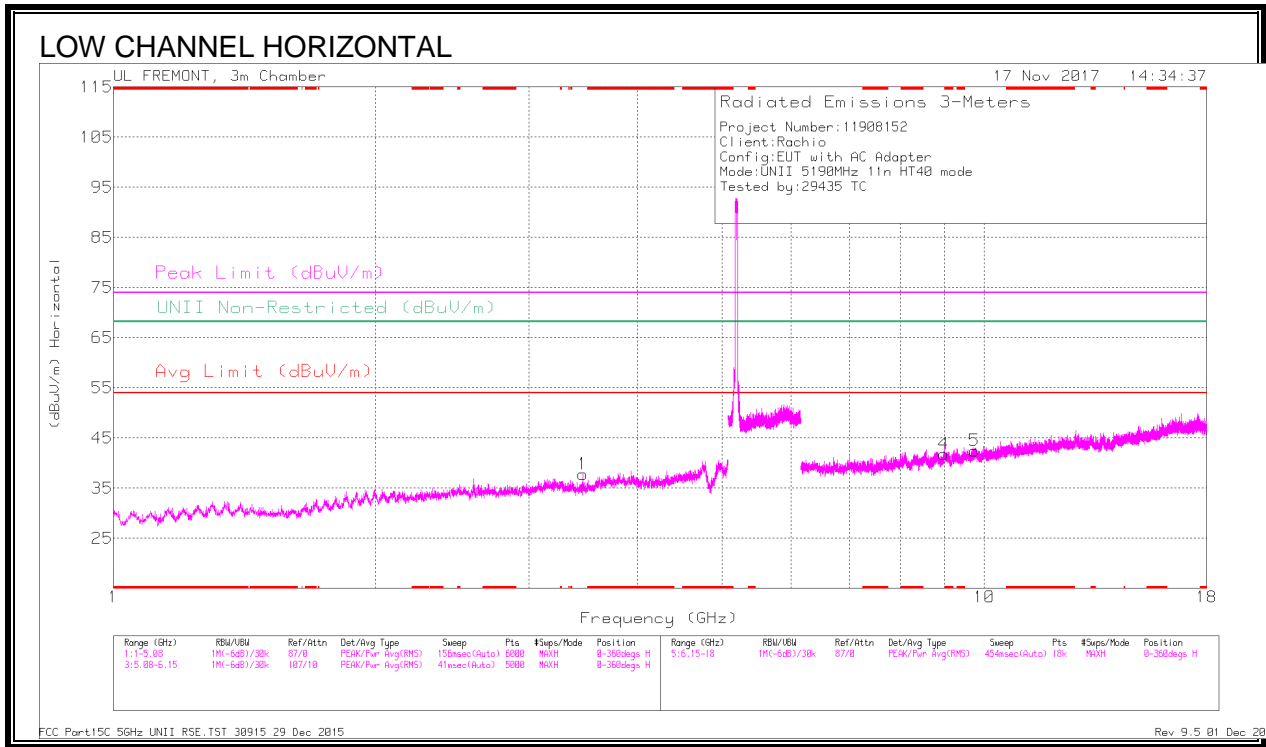
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.8	Pk	34.1	-18	0	53.9	-	-	74	-20.1	129	142	V
2	* 5.144	43.78	Pk	34.1	-18	0	59.88	-	-	74	-14.12	129	142	V
3	* 5.15	30.46	RMS	34.1	-18	3.08	49.64	54	-4.36	-	-	129	142	V
4	* 5.061	32.04	RMS	34.1	-17.7	3.08	51.52	54	-2.48	-	-	129	142	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

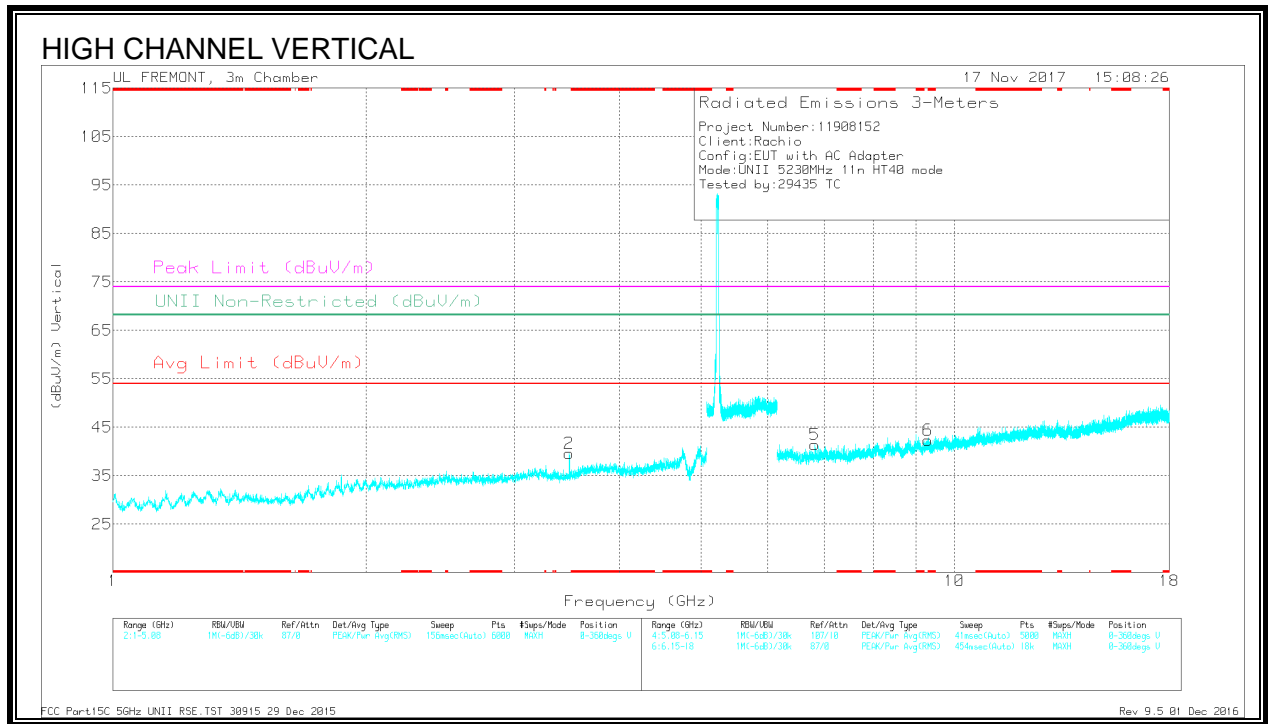
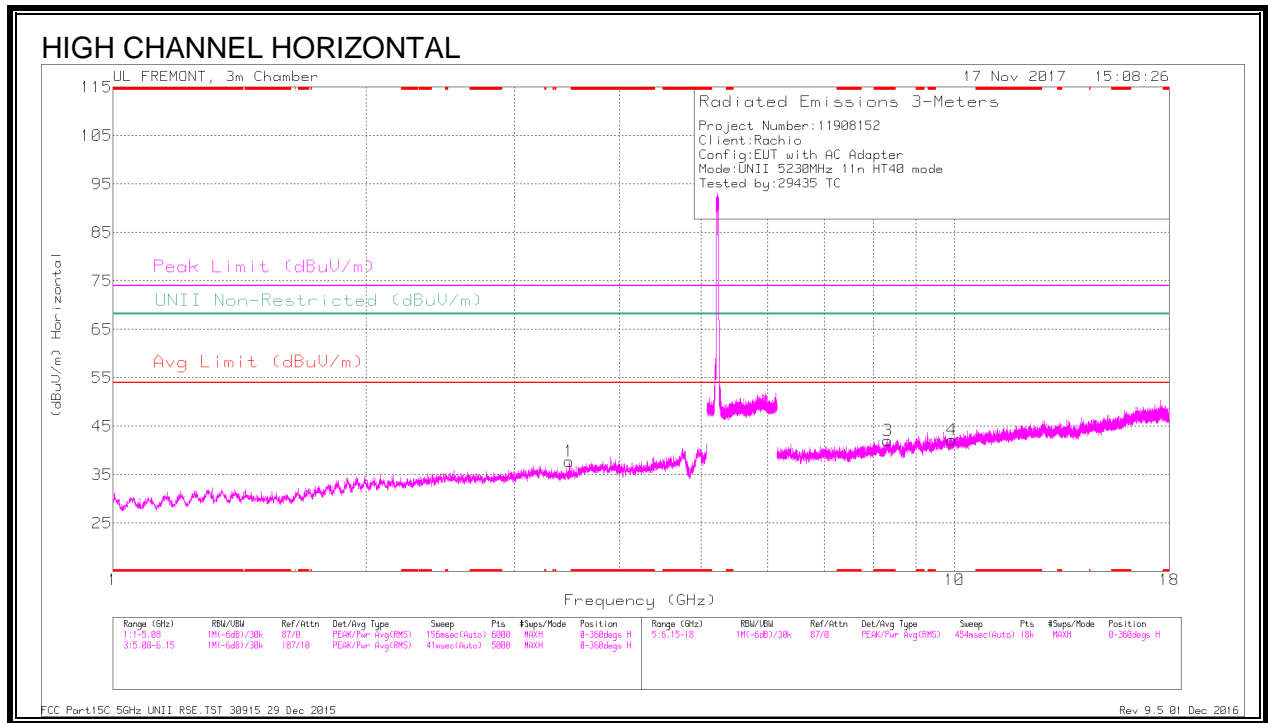
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/CbI/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.756	36.09	Pk	34	-28.4	0	41.69	-	-	74	-32.31	-	-	0-360	100	V
6	* 10.706	27.18	Pk	37.9	-21.7	0	43.38	-	-	74	-30.62	-	-	0-360	100	V
1	3.46	35	Pk	32.8	-30	0	37.8	-	-	-	-	68.2	-30.4	0-360	100	H
2	3.46	37.89	Pk	32.8	-30	0	40.69	-	-	-	-	68.2	-27.51	0-360	200	V
4	8.982	28.85	Pk	36.1	-23.1	0	41.86	-	-	-	-	68.2	-26.34	0-360	200	H
5	9.742	27.57	Pk	36.8	-21.9	0	42.47	-	-	-	-	68.2	-25.73	0-360	200	H

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/CbI/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.755	41.54	PK-U	34	-28.4	0	47.14	-	-	74	-26.86	-	-	250	116	V
* 4.756	29.22	ADR	34	-28.4	3.08	37.90	54	-16.10	-	-	-	-	250	116	V
* 10.704	33.78	PK-U	37.9	-21.7	0	49.98	-	-	74	-24.02	-	-	16	270	V
* 10.705	20.46	ADR	37.9	-21.7	3.08	38.74	54	-14.26	-	-	-	-	16	270	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average
 FCC Part15C 5GHz UNII RSE.TST 30915 29 Dec 2015
 Rev 9.5 01 Dec 2016



Trace Markers

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (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
3	* 8.327	29.61	Pk	35.8	-23.3	0	42.11	-	-	74	-31.89	-	-	0-360	200	H
6	* 9.302	27.72	Pk	36.3	-21.7	0	42.32	-	-	74	-31.68	-	-	0-360	200	V
1	3.486	34.8	Pk	32.8	-29.8	0	37.8	-	-	-	-	68.2	-30.4	0-360	200	H
2	3.486	36.64	Pk	32.8	-29.8	0	39.64	-	-	-	-	68.2	-28.56	0-360	200	V
5	6.825	31.76	Pk	35.6	-25.9	0	41.46	-	-	-	-	68.2	-26.74	0-360	100	V
4	9.328	27.35	Pk	37	-22.1	0	42.25	-	-	-	-	68.2	-25.95	0-360	200	H

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

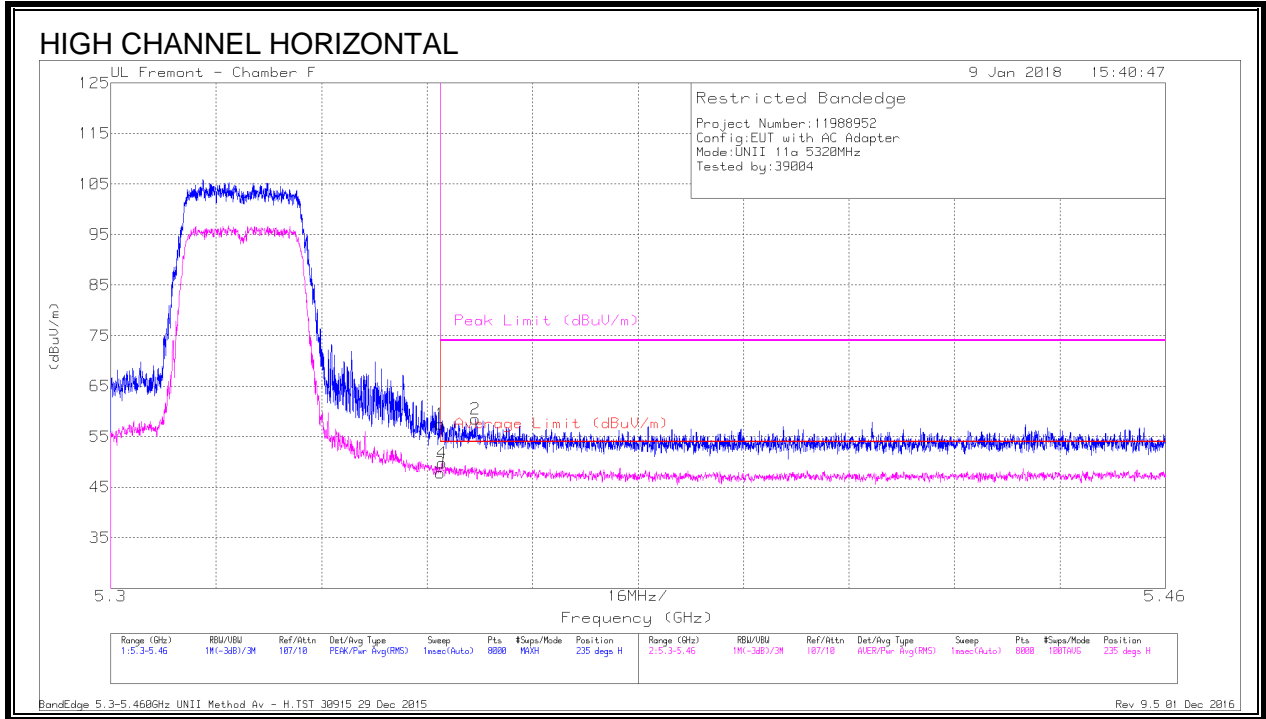
Radiated Emissions

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (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
* 8.326	35.51	PK-U	35.8	-23.3	0	48.01	-	-	74	-25.99	-	-	203	188	H
* 8.326	23.12	ADR	35.8	-23.3	3.08	38.70	54	-15.30	-	-	-	-	203	188	H
3.487	41.29	PK-U	32.8	-29.8	0	44.29	-	-	-	-	68.2	-23.92	36	200	H
3.487	32.53	ADR	32.8	-29.8	3.08	38.61	-	-	-	-	-	-	36	200	H
9.3	35.04	PK-U	36.3	-21.8	0	49.54	-	-	-	-	68.2	-18.66	351	227	V
9.3	21.56	ADR	36.3	-21.8	3.08	39.14	-	-	-	-	-	-	351	227	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average
 FCC Part15C 5GHz UNII RSE.TST 30915 29 Dec 2015
 Rev 9.5 01 Dec 2016

9.1.4. 11a MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



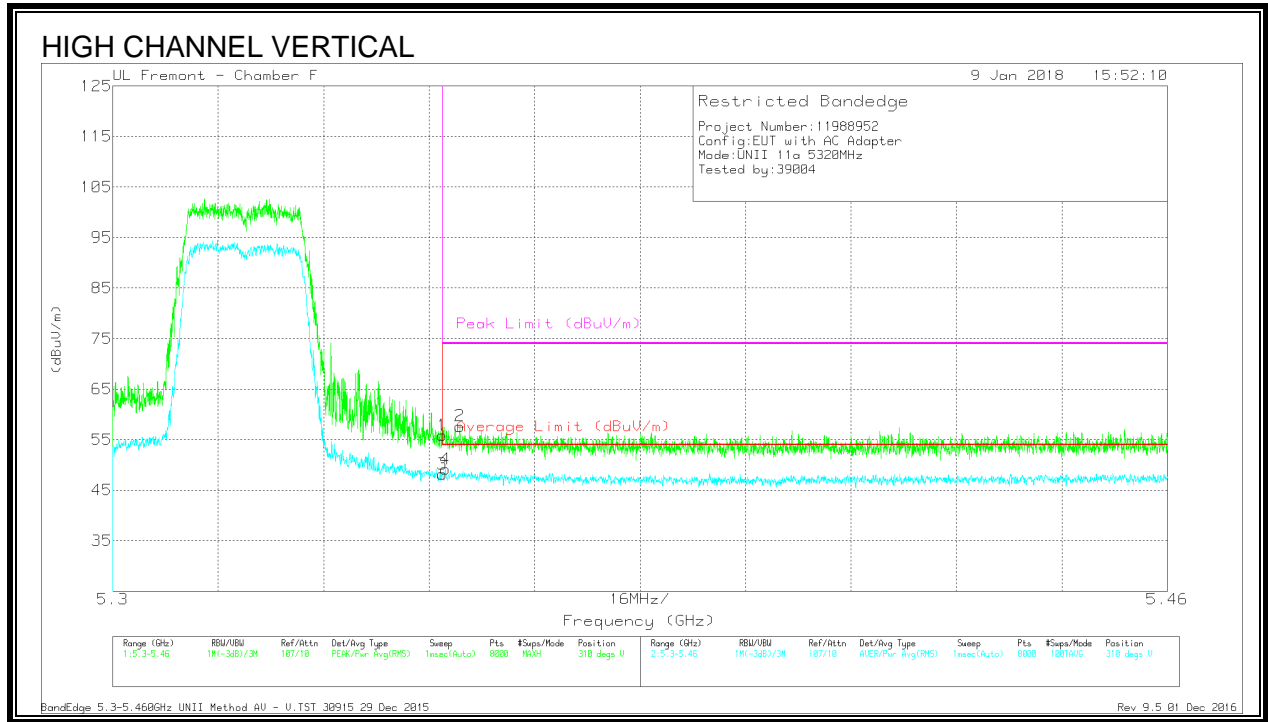
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cb/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	* 5.35	40.99	Pk	34.7	-18.2	0	57.49	-	-	74	-16.51	235	149	H
2	* 5.355	42	Pk	34.7	-18.2	0	58.5	-	-	74	-15.5	235	149	H
3	* 5.35	30.34	RMS	34.7	-18.2	.94	47.78	54	-6.22	-	-	235	149	H
4	* 5.35	32.32	RMS	34.7	-18.2	94	49.76	54	-4.24	-	-	235	149	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

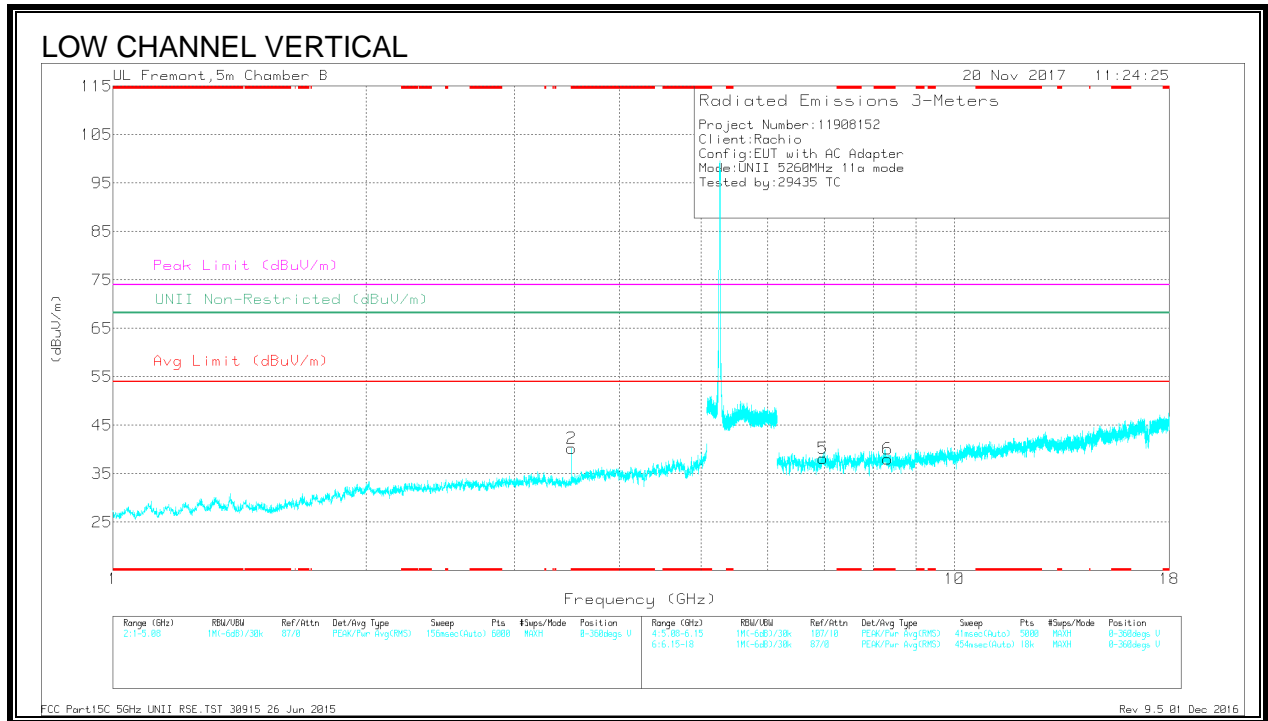
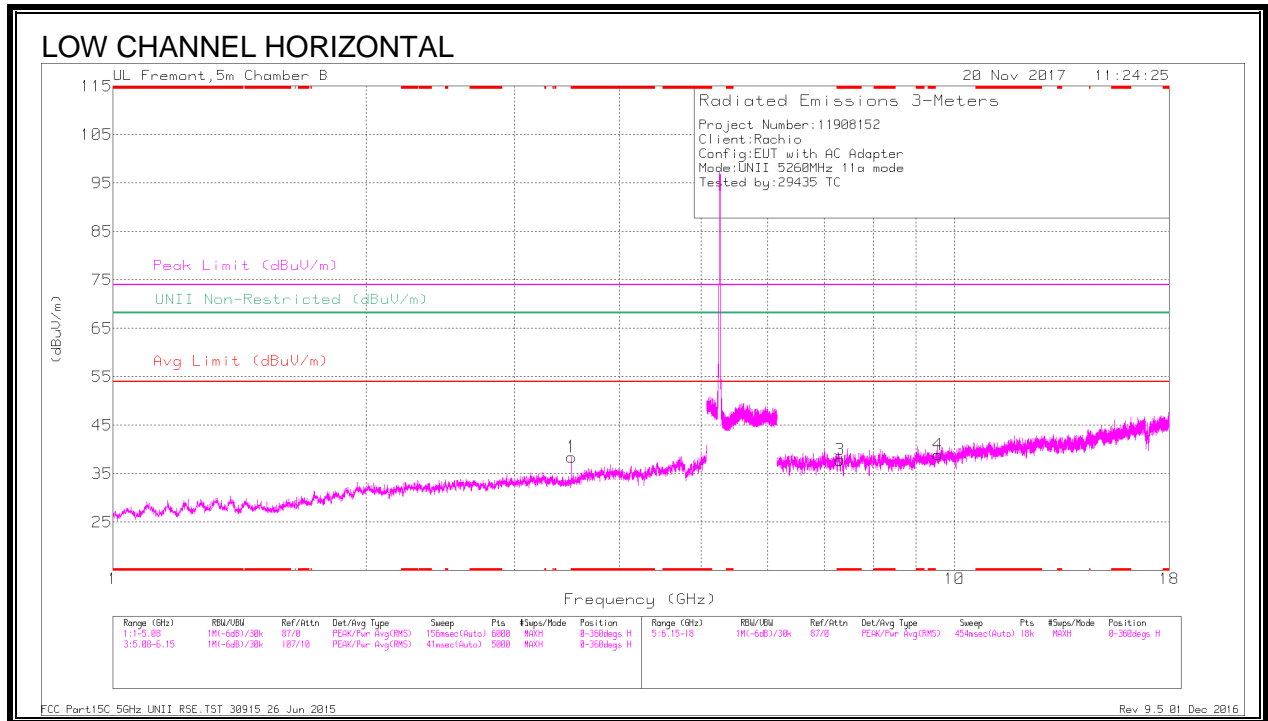
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.43	Pk	34.7	-18.2	0	55.93	-	-	74	-18.07	310	101	V
2	* 5.353	41.18	Pk	34.7	-18.2	0	57.68	-	-	74	-16.32	310	101	V
3	* 5.35	30.7	RMS	34.7	-18.2	.94	48.14	54	-5.86	-	-	310	101	V
4	* 5.35	31.69	RMS	34.7	-18.2	.94	49.13	54	-4.87	-	-	310	101	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

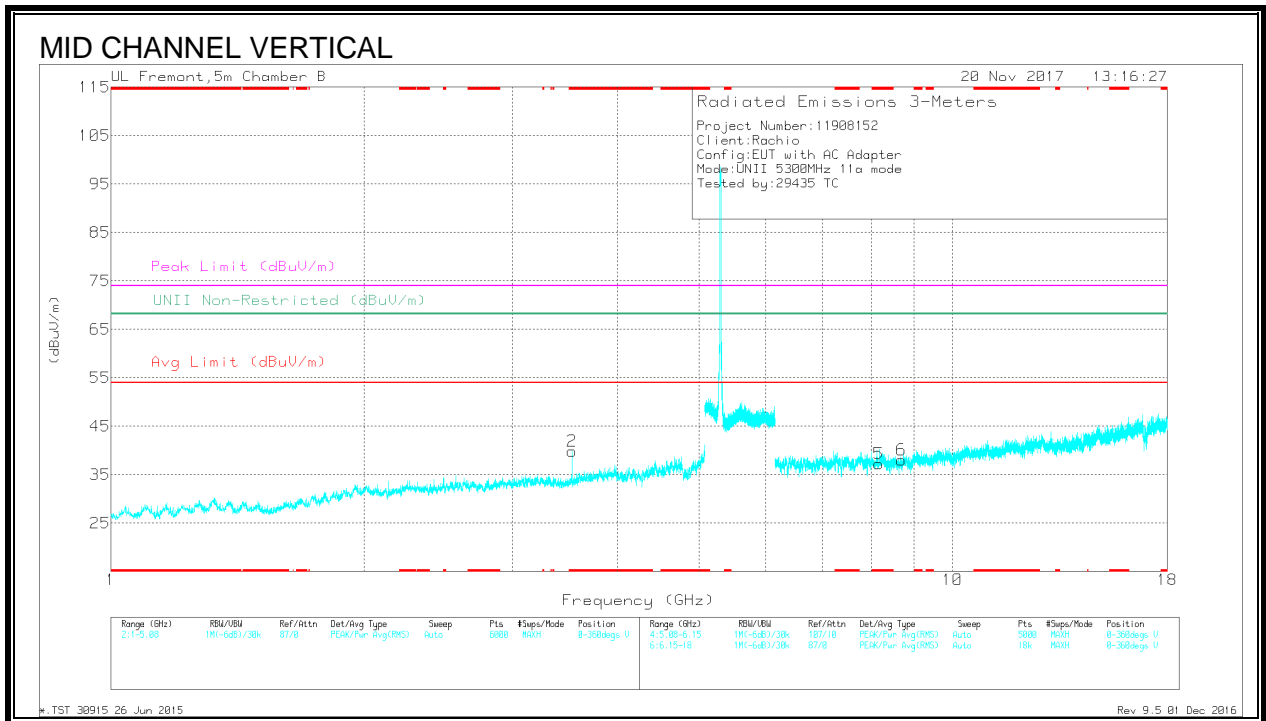
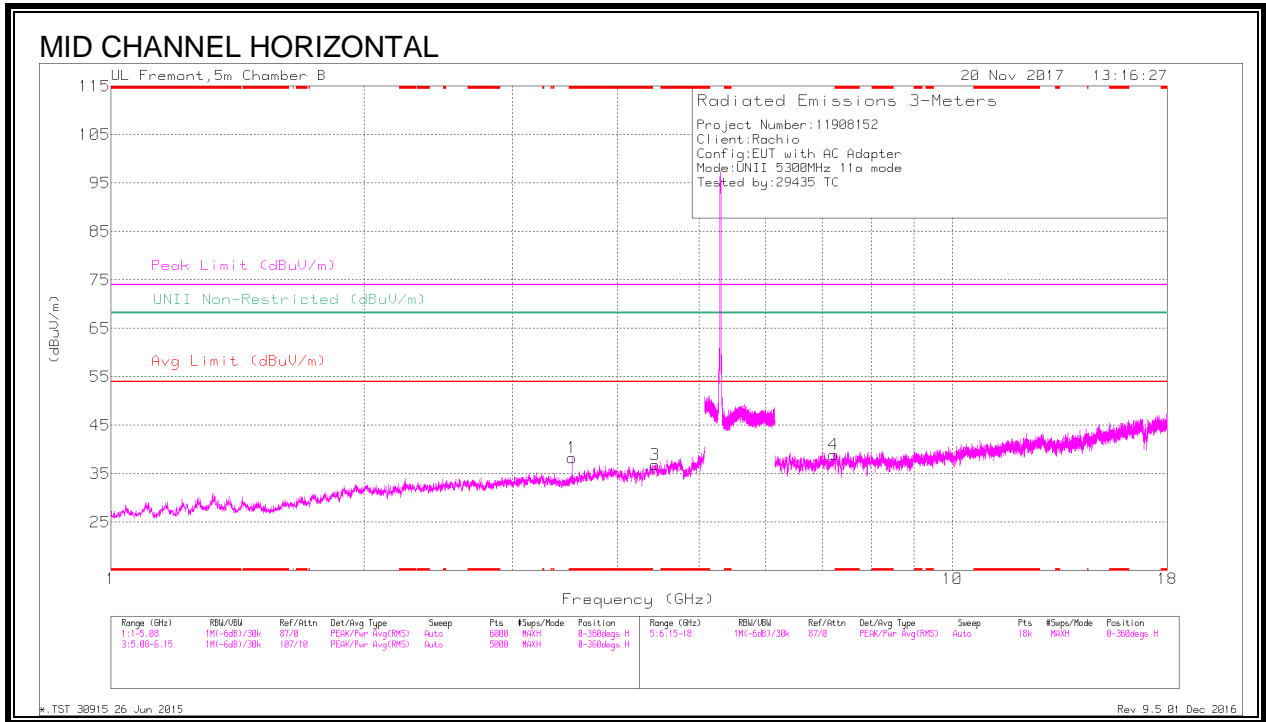
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CM/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 3.507	36.69	PK	32.8	-31	0	38.49	-	-	74	-35.51	-	-	0-360	199	H
2	* 3.507	38.47	PK	32.8	-31	0	40.27	-	-	74	-33.73	-	-	0-360	200	V
3	* 7.31	27.85	PK	35.9	-25.9	0	37.85	-	-	74	-36.15	-	-	0-360	199	H
6	* 8.328	28.16	PK	36.1	-26.2	0	38.06	-	-	74	-35.94	-	-	0-360	200	V
5	6.98	29.39	PK	35.8	-27	0	38.19	-	-	-	-	68.2	-30.01	0-360	102	V
4	9.56	26.83	PK	36.7	-24.6	0	38.93	-	-	-	-	68.2	-29.27	0-360	199	H

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CM/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 3.507	41.21	PK-U	32.8	-31	0	43.01	-	-	74	-30.99	-	-	284	236	H
* 3.507	34.67	ADR	32.8	-31	-94	37.41	54	-16.59	-	-	-	-	284	236	H
* 3.507	42.68	PK-U	32.8	-31	0	44.48	-	-	74	-29.52	-	-	252	173	V
* 3.507	37.15	ADR	32.8	-31	-94	39.89	54	-14.11	-	-	-	-	252	173	V
* 7.309	34.49	PK-U	35.8	-25.9	0	44.39	-	-	74	-29.61	-	-	84	237	H
* 7.308	21.55	ADR	35.8	-25.9	-94	32.39	54	-21.61	-	-	-	-	84	237	H
* 8.327	35.29	PK-U	36.1	-26.2	0	45.19	-	-	74	-28.81	-	-	297	330	V
* 8.33	22.82	ADR	36.1	-26.2	-94	33.66	54	-20.34	-	-	-	-	297	330	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



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TBE3 (dB/m)	Amp/Ch/Filt/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)	Altitude (Degs)	Height (cm)	Polarity
1	* 3.533	35.85	Pk	32.9	-30.4	0	38.35	-	-	74	-35.65	-	-	0-360	102	H
2	* 3.533	37.39	Pk	32.9	-30.4	0	39.89	-	-	74	-34.11	-	-	0-360	102	V
5	* 8.176	28.08	Pk	36	-26.8	0	37.28	-	-	74	-36.72	-	-	0-360	102	V
3	4.435	31.82	Pk	33.8	-28.7	0	36.92	-	-	-	-	68.2	-31.28	0-360	102	H
4	7.224	29.09	Pk	35.8	-25.9	0	38.99	-	-	-	-	68.2	-29.21	0-360	102	H
6	8.693	27.2	Pk	36.1	-25.3	0	38	-	-	-	-	68.2	-30.2	0-360	102	V

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

Pk - Peak detector

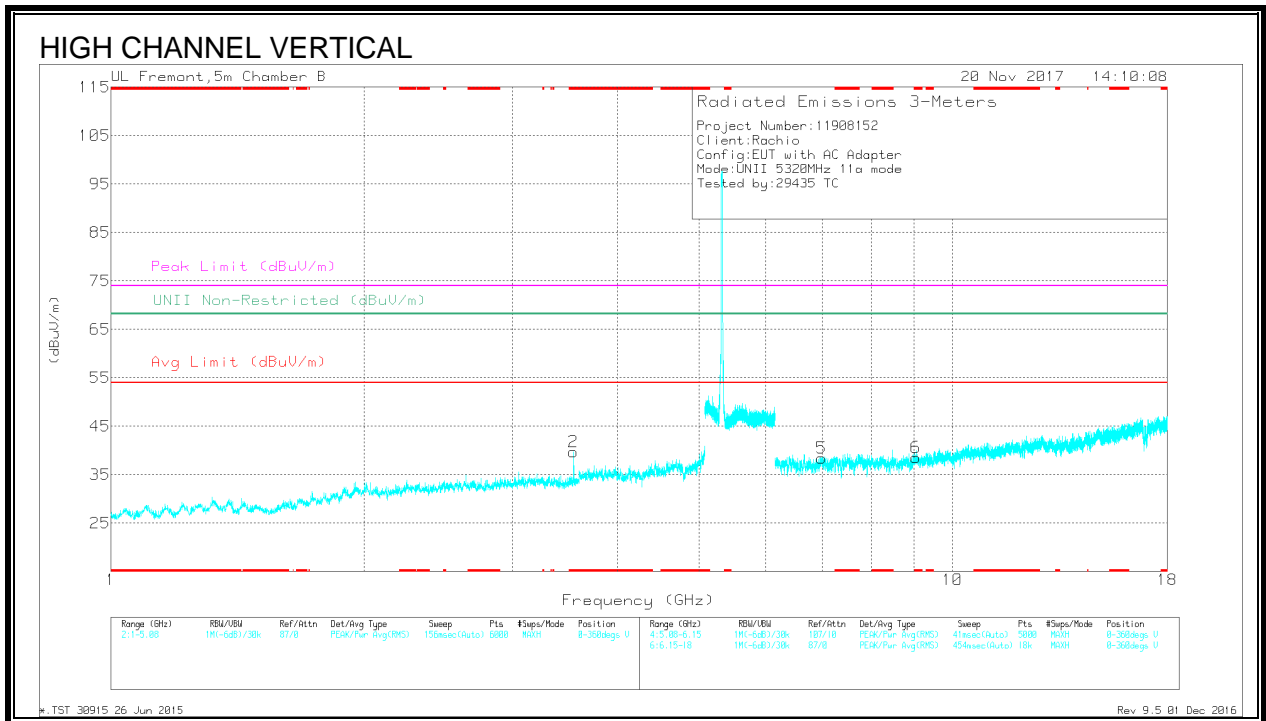
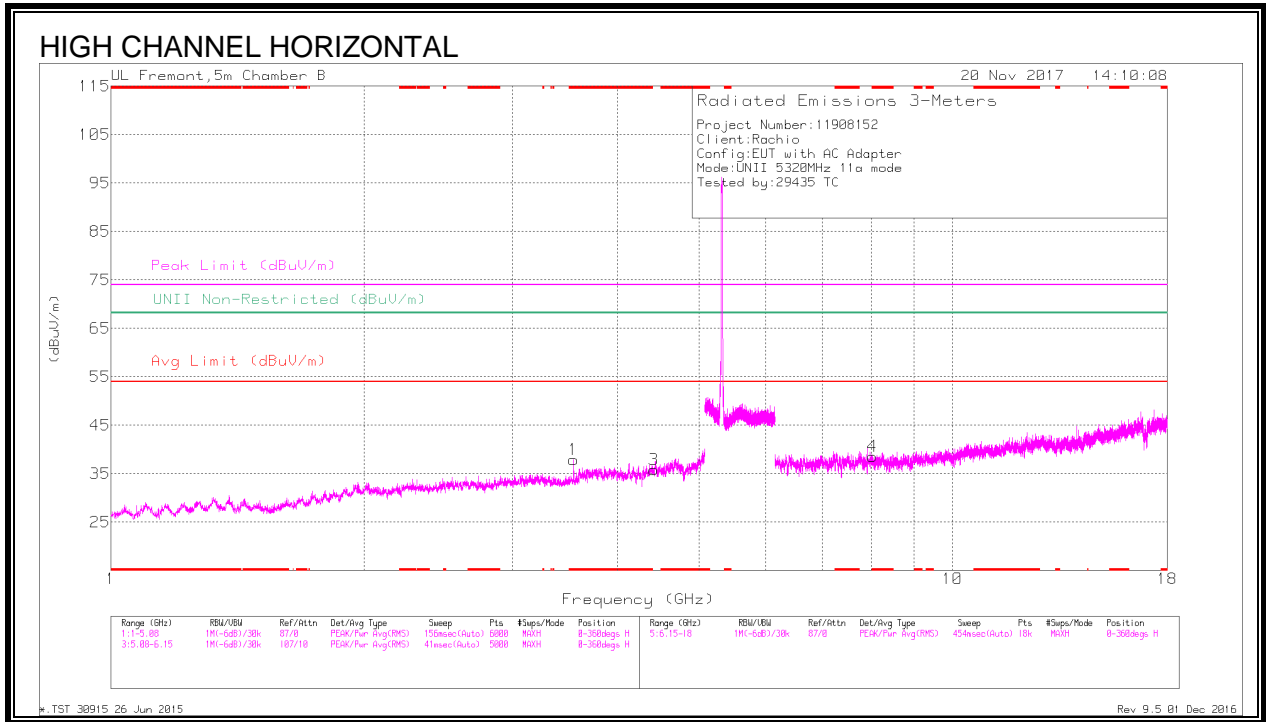
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF TBE3 (dB/m)	Amp/Ch/Filt/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)	Altitude (Degs)	Height (cm)	Polarity
* 3.533	41.31	PK-U	32.9	-30.4	0	43.81	-	-	74	-30.19	-	-	283	182	H
* 3.533	34.49	ADR	32.9	-30.4	-94	37.93	54	-16.07	-	-	-	-	283	182	H
* 3.533	42.62	PK-U	32.9	-30.4	0	45.12	-	-	74	-28.88	-	-	243	224	V
* 3.533	36.92	ADR	32.9	-30.4	-94	40.36	54	-13.64	-	-	-	-	243	224	V
* 8.178	35.6	PK-U	36	-26.9	0	44.7	-	-	74	-29.3	-	-	82	245	V
* 8.178	22.38	ADR	36	-26.9	-94	32.42	54	-21.58	-	-	-	-	82	245	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



Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T883 (dB/m)	Amp/CM/Fit/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)	Altitude (Degs)	Height (cm)	Polarity
* 3.547	41.47	PK-U	33	-30.6	0	43.57	-	-	74	-30.13	-	-	281	252	H
* 3.547	34.58	ADR	33	-30.6	-94	37.92	54	-16.08	-	-	-	-	281	252	H
* 3.547	43	PK-U	33	-30.6	0	45.4	-	-	74	-28.6	-	-	240	186	V
* 3.547	36.96	ADR	33	-30.6	-94	40.30	54	-13.70	-	-	-	-	240	186	V
* 8.039	35.52	PK-U	36	-26.3	0	45.22	-	-	74	-28.78	-	-	68	112	H
* 8.035	22.93	ADR	36	-26.2	-94	33.67	54	-20.33	-	-	-	-	68	112	H
* 9.043	33.8	PK-U	36.3	-24.7	0	45.4	-	-	74	-28.6	-	-	28	271	V
* 9.042	21.32	ADR	36.3	-24.8	-94	33.76	54	-20.24	-	-	-	-	28	271	V

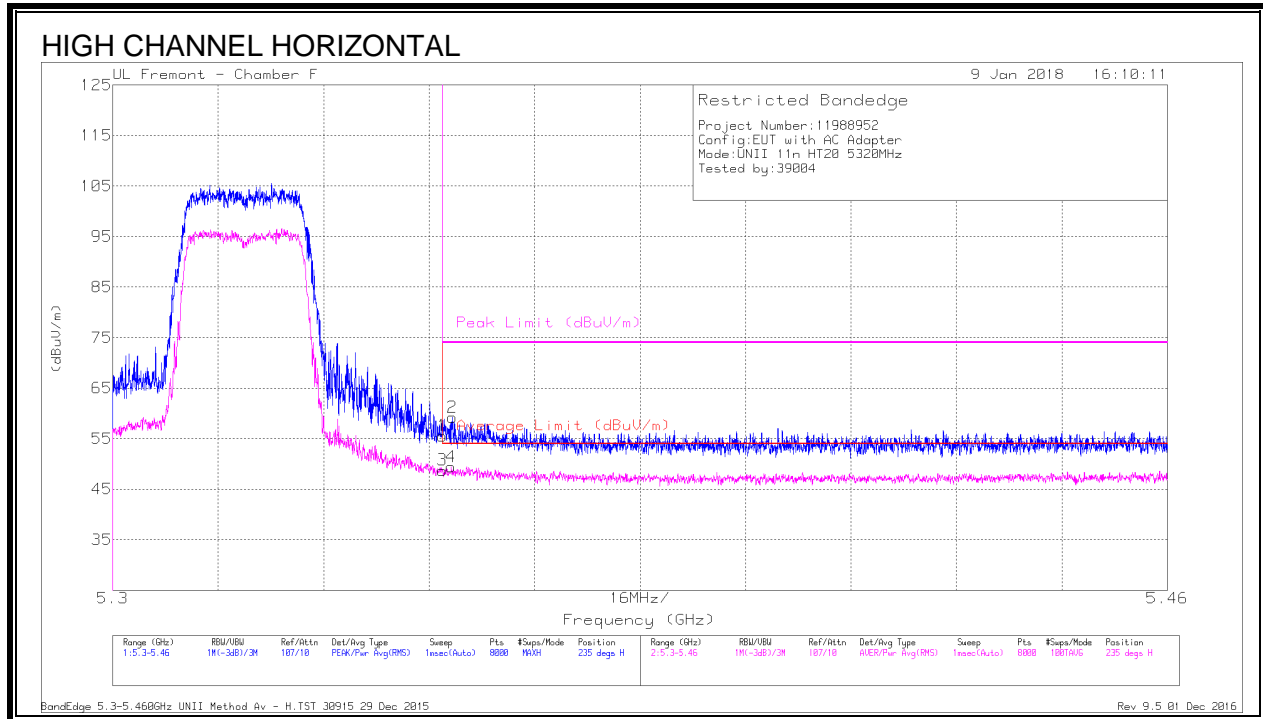
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.5. 11n HT20 MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



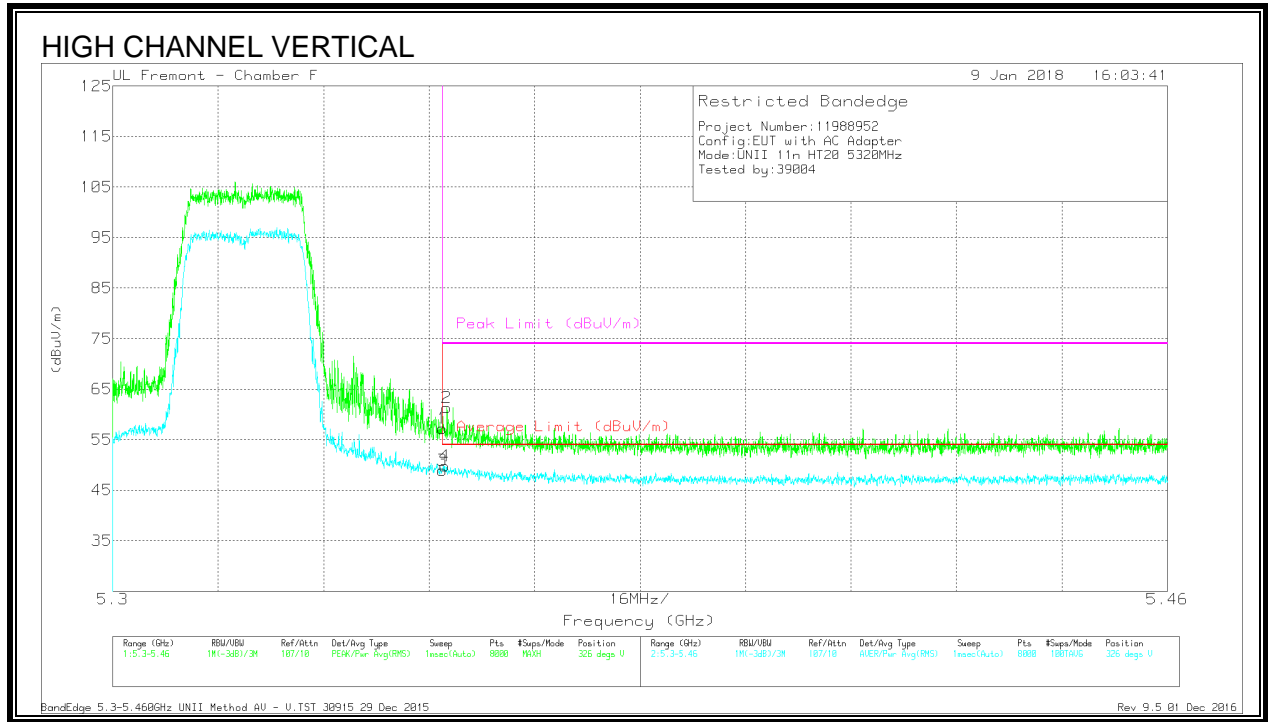
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cb/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	39.07	Pk	34.7	-18.2	0	55.57	-	-	74	-18.43	235	152	H
2	* 5.352	42.73	Pk	34.7	-18.2	0	59.23	-	-	74	-14.77	235	152	H
3	* 5.35	31.23	RMS	34.7	-18.2	1	48.73	54	-5.27	-	-	235	152	H
4	* 5.351	31.93	RMS	34.7	-18.2	1	49.43	54	-4.57	-	-	235	152	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

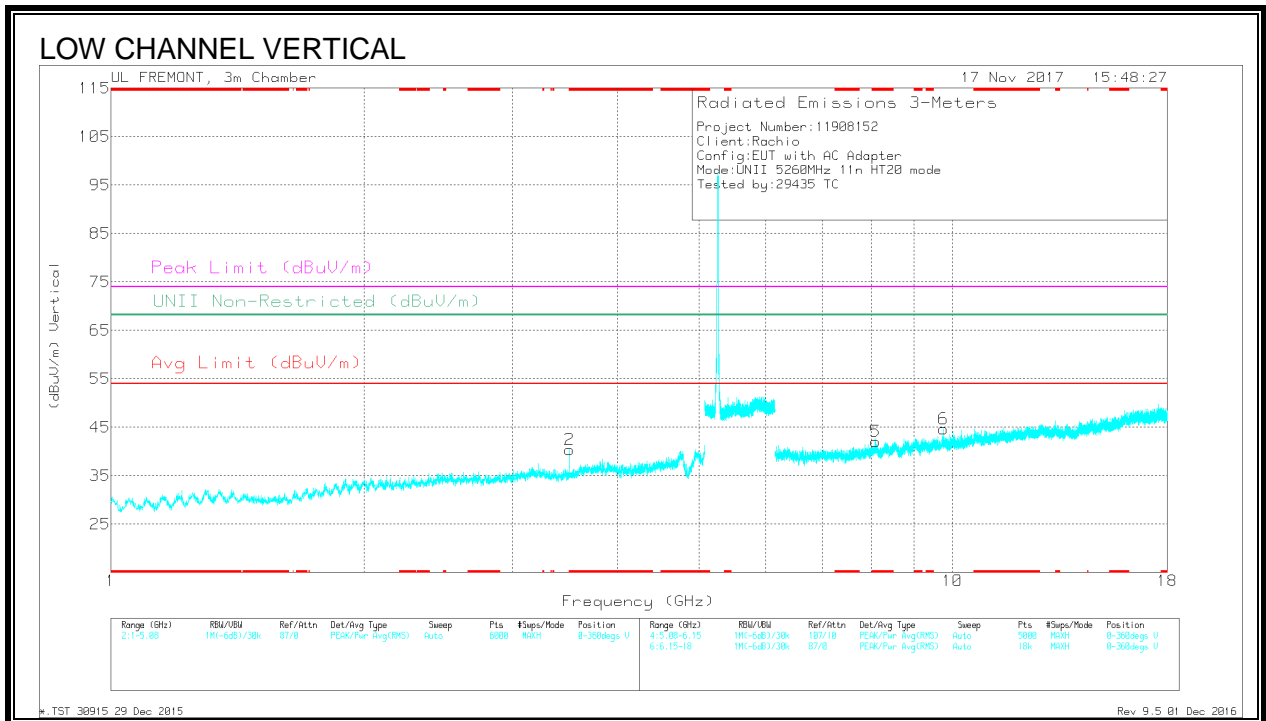
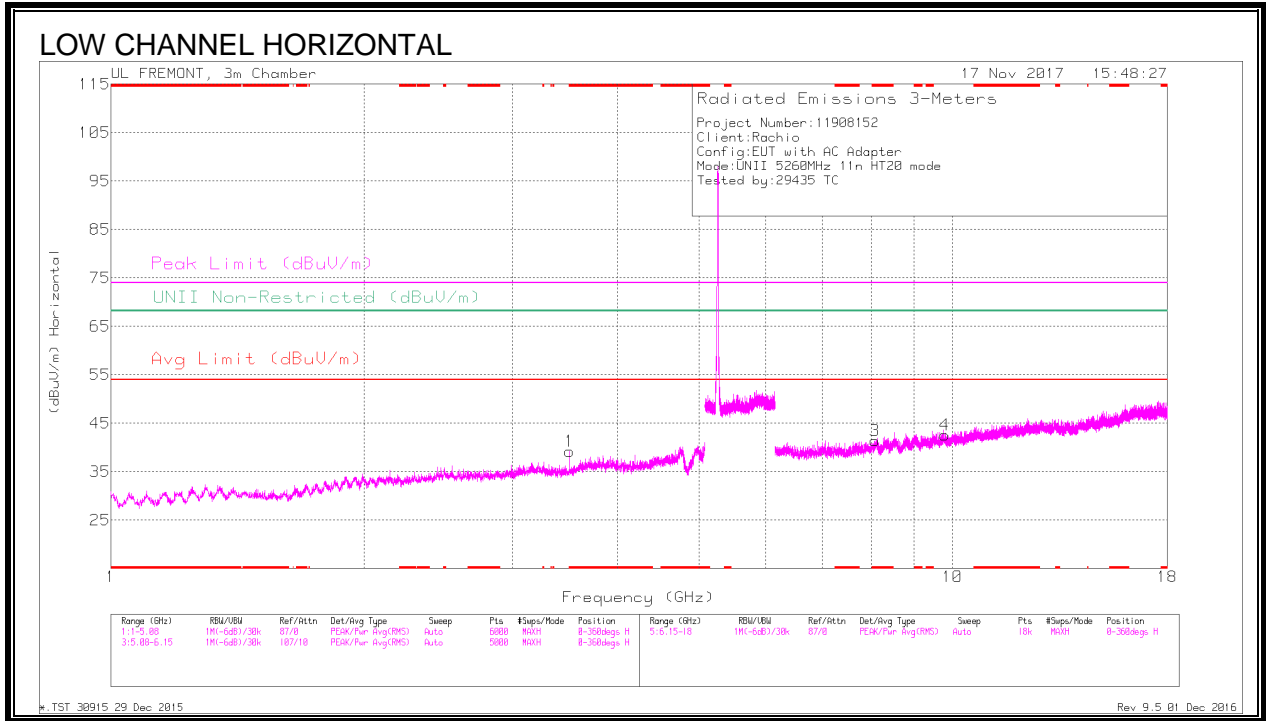
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.77	Pk	34.7	-18.2	0	57.27	-	-	74	-16.73	326	101	V
2	* 5.351	44.89	Pk	34.7	-18.2	0	61.39	-	-	74	-12.61	326	101	V
3	* 5.35	31.36	RMS	34.7	-18.2	1	48.86	54	-5.14	-	-	326	101	V
4	* 5.35	32.26	RMS	34.7	-18.2	1	49.76	54	-4.24	-	-	326	101	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

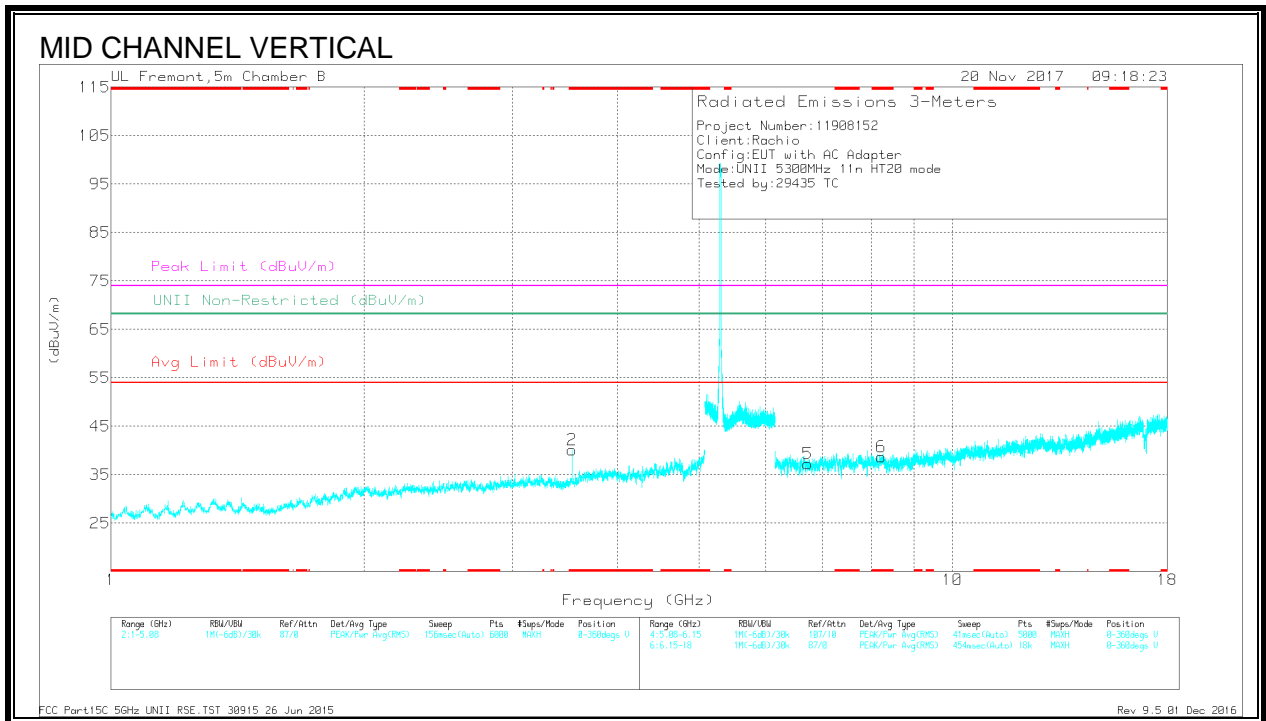
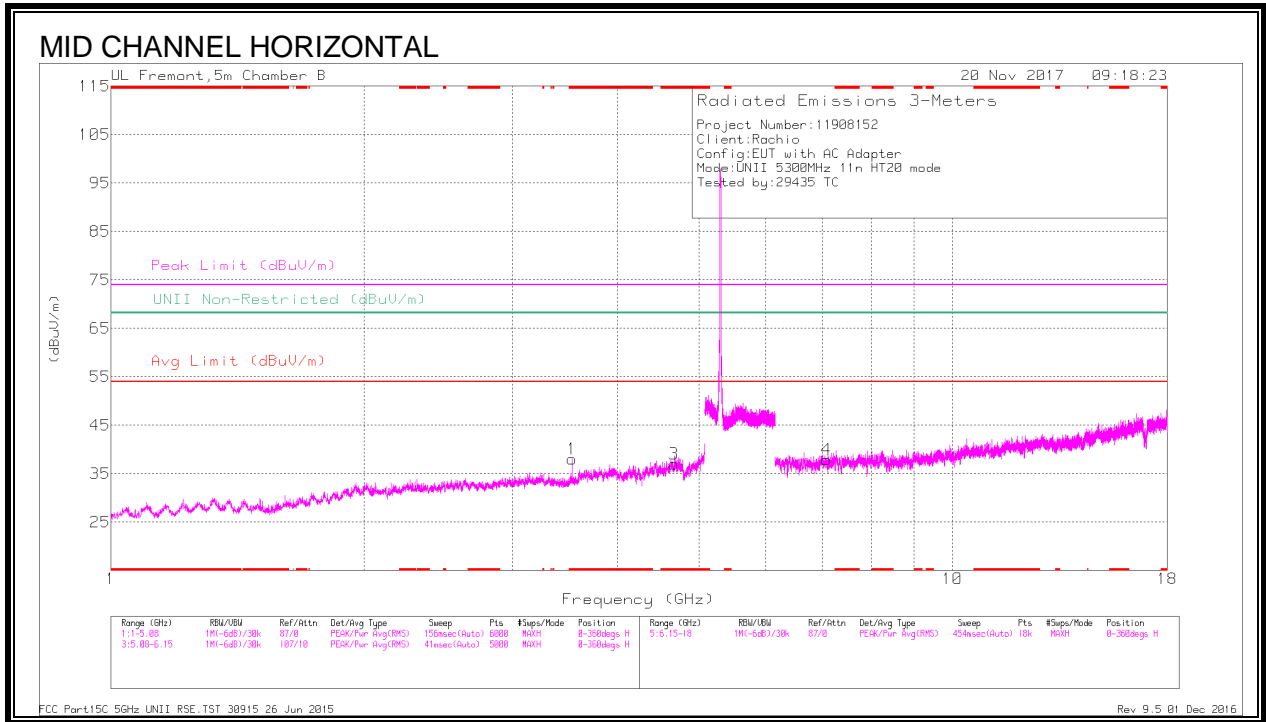
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/CM/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 3.507	35.75	Pk	32.9	-29.4	0	39.25	-	-	74	-34.75	-	-	0-360	200	H
2	* 3.507	36.9	Pk	32.9	-29.4	0	40.4	-	-	74	-33.6	-	-	0-360	200	V
3	* 8.088	29.69	Pk	35.8	-24.1	0	41.39	-	-	74	-32.61	-	-	0-360	200	H
5	* 8.103	29.35	Pk	35.7	-23	0	42.05	-	-	74	-31.95	-	-	0-360	200	V
6	9.759	29.3	Pk	36.9	-21.5	0	44.7	-	-	-	-	68.2	-23.5	0-360	100	V
4	9.79	27.68	Pk	36.9	-22	0	42.58	-	-	-	-	68.2	-25.62	0-360	100	H

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/CM/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 3.507	42.33	PK-U	32.9	-29.4	0	45.83	-	-	74	-28.17	-	-	208	223	H
* 3.507	34.97	ADR	32.9	-29.4	1	39.47	54	-14.53	-	-	-	-	208	223	H
* 3.507	42.73	PK-U	32.9	-29.4	0	46.23	-	-	74	-27.77	-	-	172	211	V
* 3.507	36.48	ADR	32.9	-29.4	1	40.98	54	-13.02	-	-	-	-	172	211	V
* 8.087	36.56	PK-U	35.8	-24.2	0	48.16	-	-	74	-25.84	-	-	324	298	H
* 8.087	23.61	ADR	35.8	-24.2	1	36.21	54	-17.79	-	-	-	-	324	298	H
* 8.103	35.52	PK-U	35.7	-23	0	48.22	-	-	74	-25.78	-	-	2	132	V
* 8.102	22.81	ADR	35.7	-23.1	1	36.41	54	-17.59	-	-	-	-	2	132	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



Trace Markers

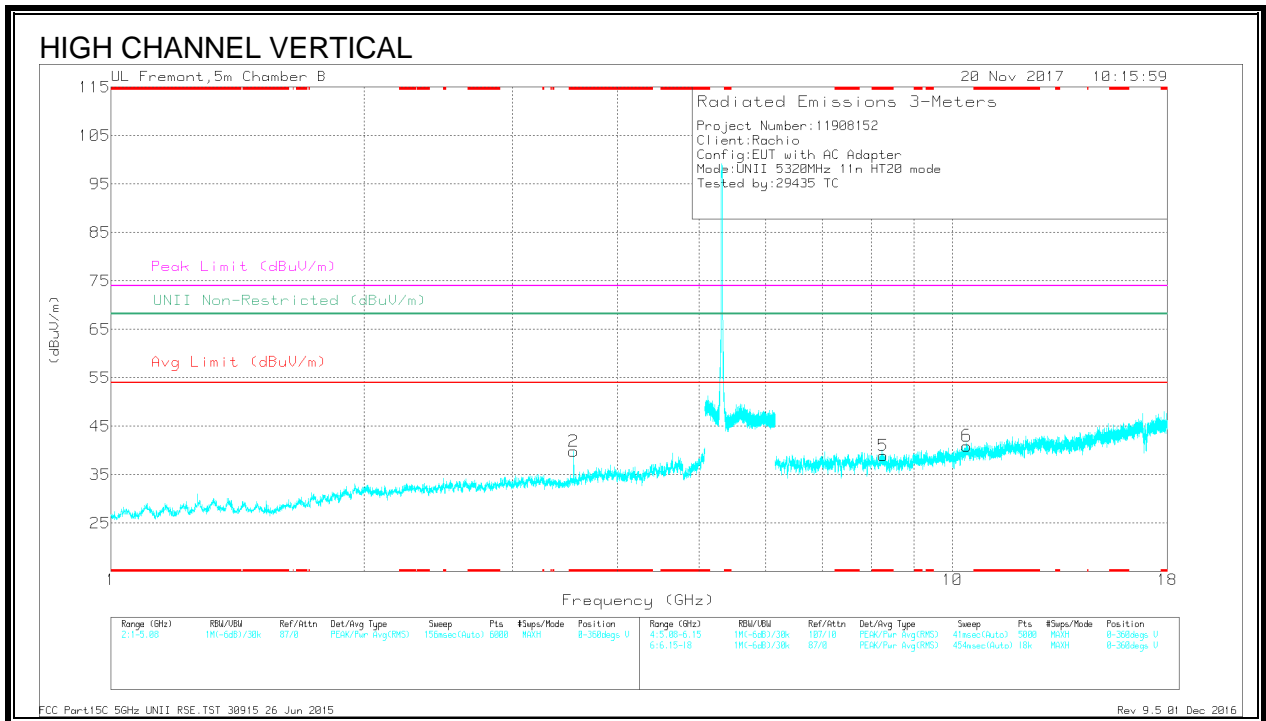
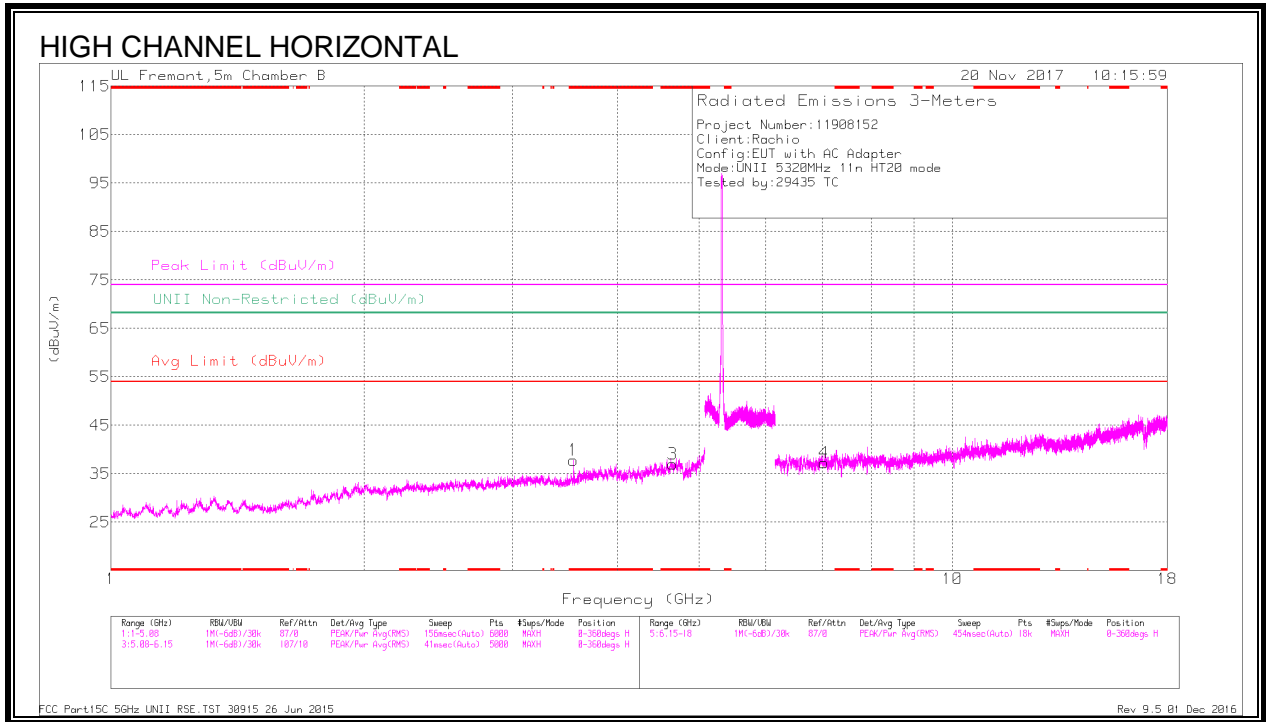
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TBE3 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Aimuth (Degs)	Height (cm)	Polarity
1	* 3.533	35.56	Pk	32.9	-30.4	0	38.06	-	-	74	-35.94	-	-	0-360	199	H
3	* 4.669	31.59	Pk	34.3	-28.9	0	36.99	-	-	74	-37.01	-	-	0-360	102	H
2	* 3.533	37.58	Pk	32.9	-30.4	0	40.08	-	-	74	-33.92	-	-	0-360	199	V
6	* 8.232	28.93	Pk	36.1	-26.3	0	38.73	-	-	74	-35.27	-	-	0-360	200	V
5	6.727	29.46	Pk	35.7	-27.9	0	37.26	-	-	-	-	68.2	-30.94	0-360	200	V
4	7.084	29.26	Pk	35.9	-27.3	0	37.86	-	-	-	-	68.2	-30.34	0-360	199	H

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF TBE3 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Aimuth (Degs)	Height (cm)	Polarity
* 3.533	41.94	PK-U	32.9	-30.4	0	44.44	-	-	74	-29.56	-	-	281	275	H
* 3.533	34.68	ADR	32.9	-30.4	1	38.18	54	-15.82	-	-	-	-	281	275	H
* 4.67	37.88	PK-U	34.3	-28.9	0	43.28	-	-	74	-30.72	-	-	0	153	H
* 4.67	26.2	ADR	34.3	-28.9	1	32.60	54	-21.40	-	-	-	-	0	153	H
* 3.533	42.38	PK-U	32.9	-30.4	0	44.88	-	-	74	-29.12	-	-	248	189	V
* 3.533	36.24	ADR	32.9	-30.4	1	39.74	54	-14.26	-	-	-	-	248	189	V
* 8.231	35.67	PK-U	36.1	-26.3	0	45.47	-	-	74	-28.53	-	-	359	141	V
* 8.234	23.28	ADR	36.1	-26.4	1	33.98	54	-20.02	-	-	-	-	359	141	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



Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T883 (dB/m)	Amp/CM/Fit/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
* 3.547	41.38	PK-U	33	-30.6	0	43.78	-	-	74	-30.22	-	-	287	117	H
* 3.547	34.24	ADR	33	-30.6	1	37.64	54	-16.36	-	-	-	-	287	117	H
* 4.647	37.5	PK-U	34.3	-28.5	0	43.3	-	-	74	-30.7	-	-	220	319	H
* 4.651	25.65	ADR	34.3	-28.7	1	32.25	54	-21.75	-	-	-	-	220	319	H
* 3.547	42.33	PK-U	33	-30.6	0	44.73	-	-	74	-29.27	-	-	245	189	V
* 3.547	36.33	ADR	33	-30.6	1	39.73	54	-14.27	-	-	-	-	245	189	V
* 8.271	35.59	PK-U	36.1	-25.6	0	46.09	-	-	74	-27.91	-	-	278	384	V
* 8.27	22.94	ADR	36.1	-25.6	1	34.44	54	-19.56	-	-	-	-	278	384	V

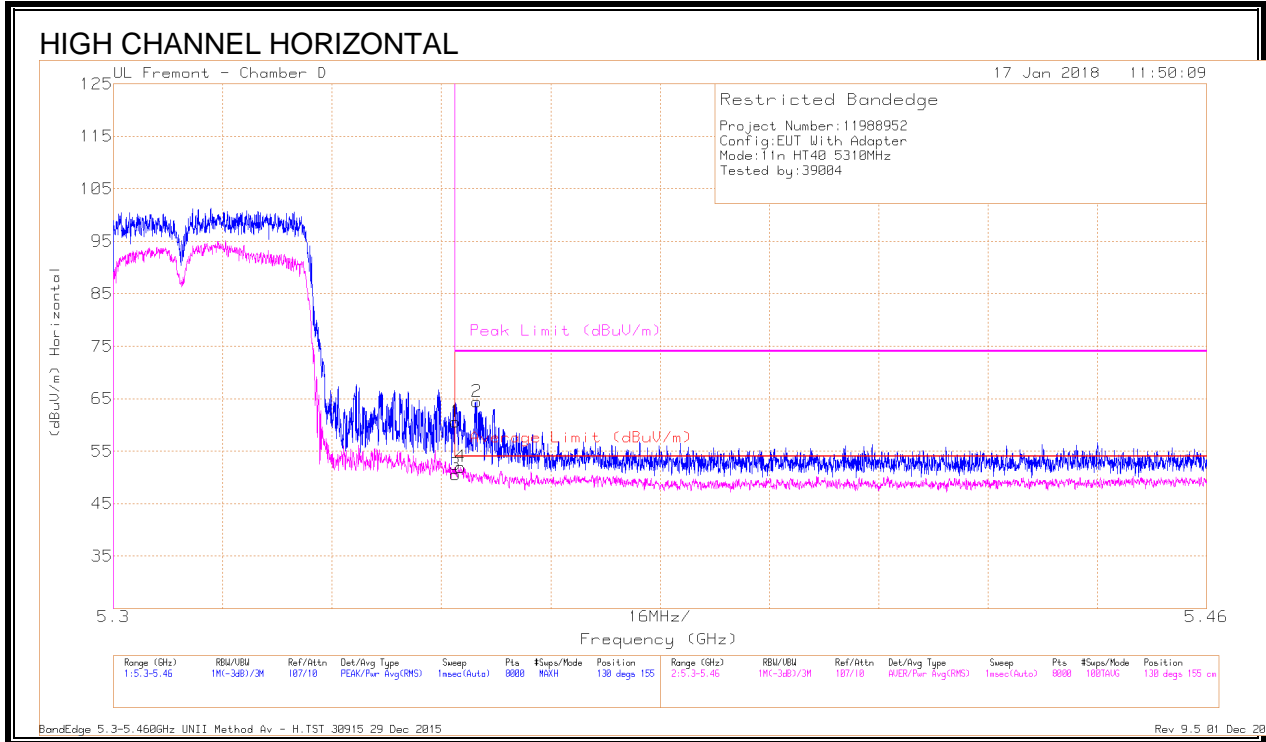
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.6. 11n HT40 MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)



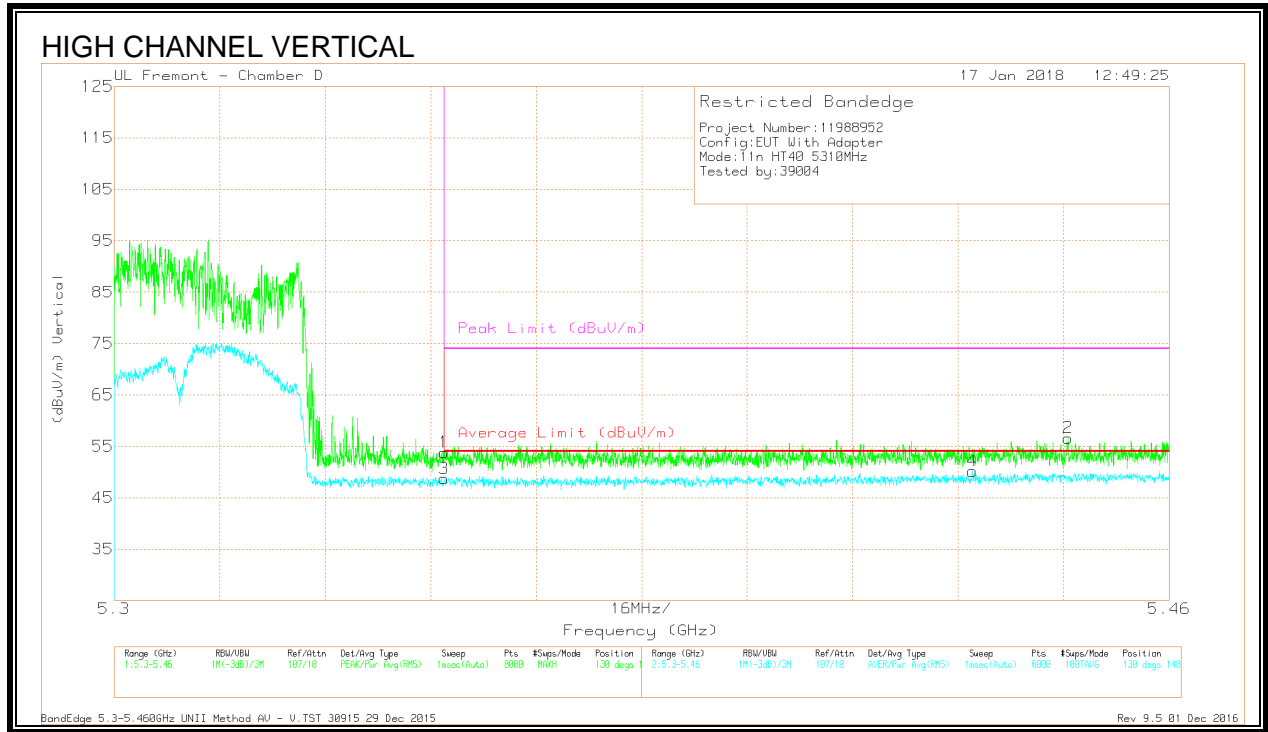
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT711 (dB/m)	Amp/Cb/Flt/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	44.15	Pk	34.3	-17.9	0	60.55	-	-	74	-13.45	130	155	H
3	* 5.35	31.02	RMS	34.3	-17.9	3.08	50.5	54	-3.5	-	-	130	155	H
4	* 5.351	32.49	RMS	34.3	-17.9	3.08	51.97	54	-2.03	-	-	130	155	H
2	* 5.353	48.19	Pk	34.3	-18	0	64.49	-	-	74	-9.51	130	155	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

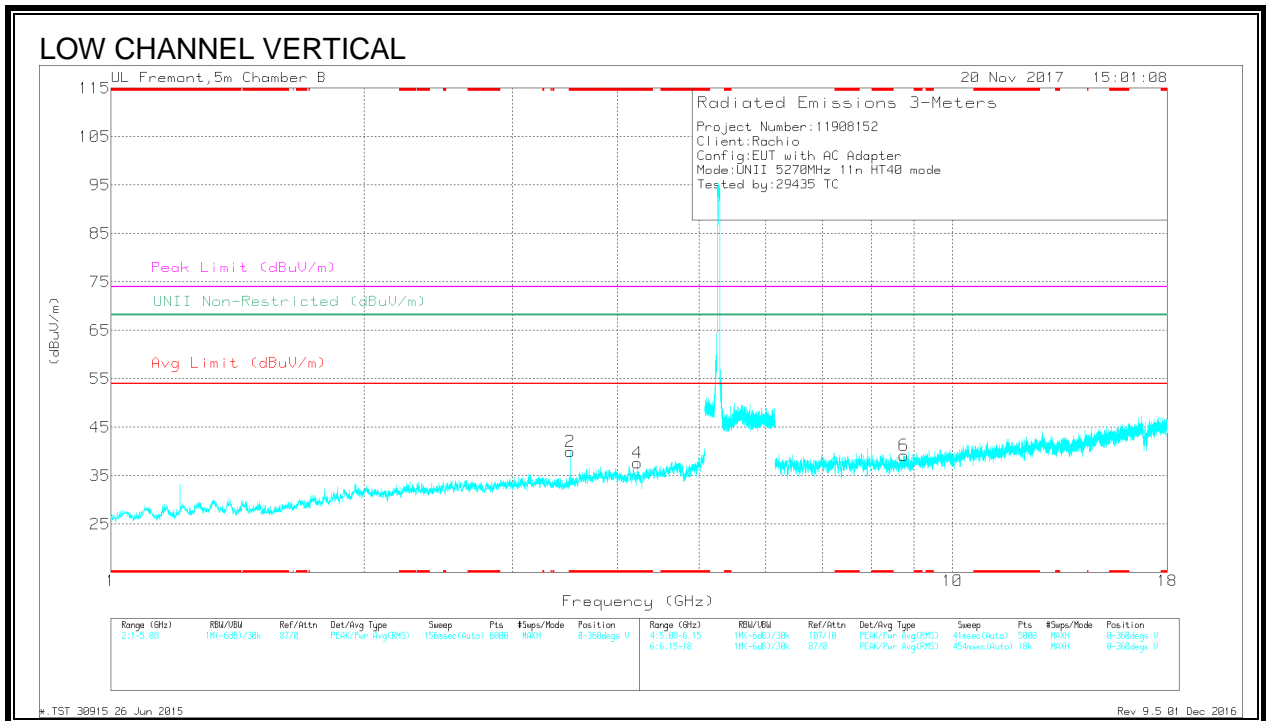
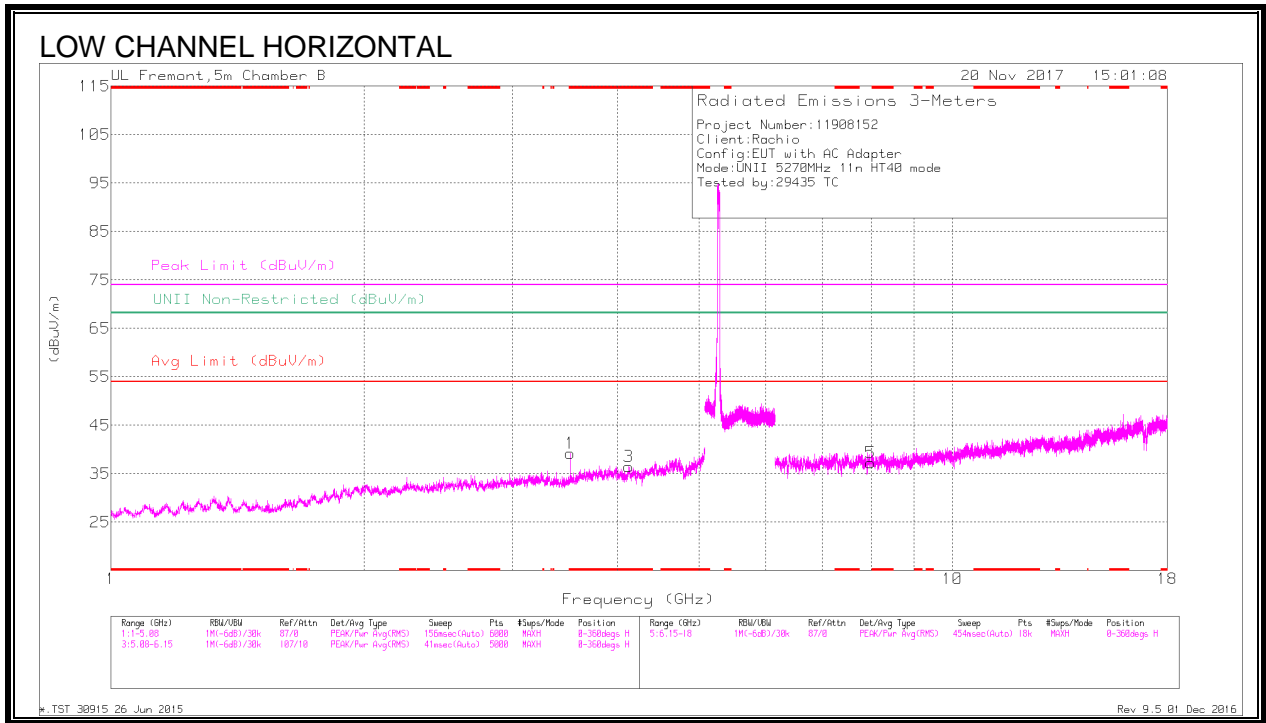
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T711 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Deg)	Height (cm)	Polarity
1	* 5.35	37.4	Pk	34.3	-17.9	0	53.8	-	-	74	-20.2	130	148	V
2	* 5.445	39.91	Pk	34.4	-17.7	0	56.61	-	-	74	-17.39	130	148	V
3	* 5.35	29.25	RMS	34.3	-17.9	3.08	48.73	54	-5.27	-	-	130	148	V
4	* 5.43	30.48	RMS	34.3	-17.7	3.08	50.16	54	-3.84	-	-	130	148	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

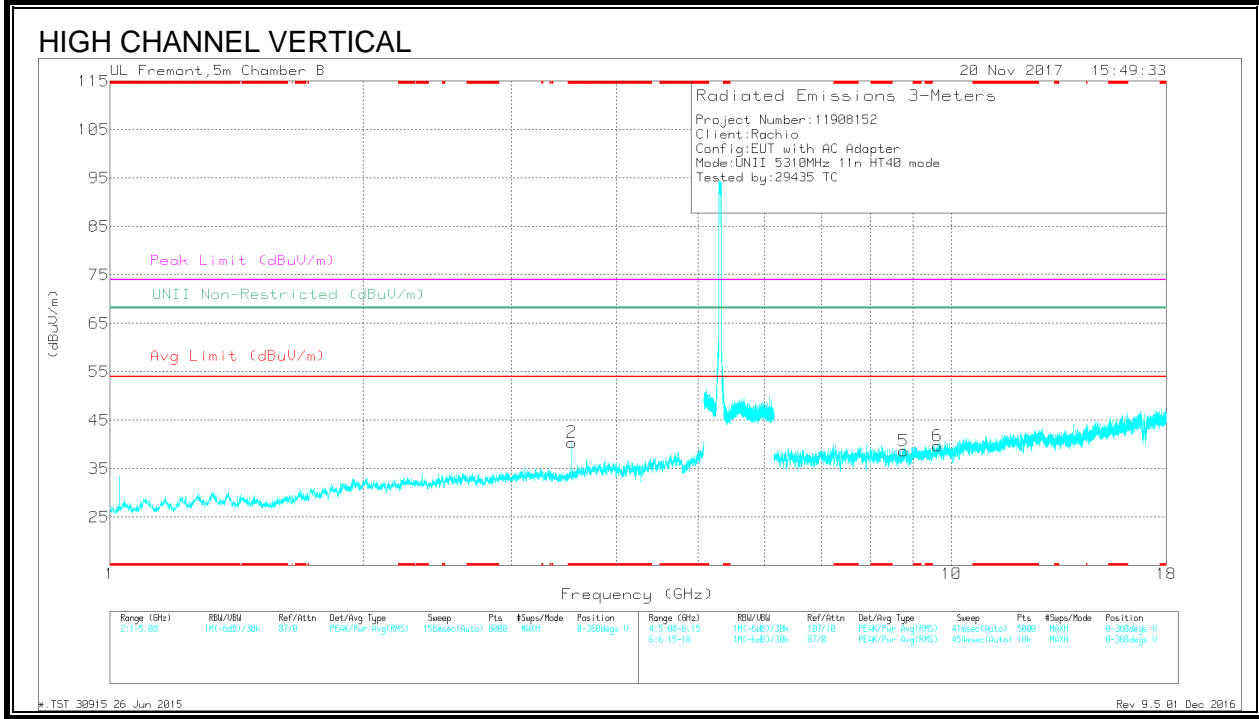
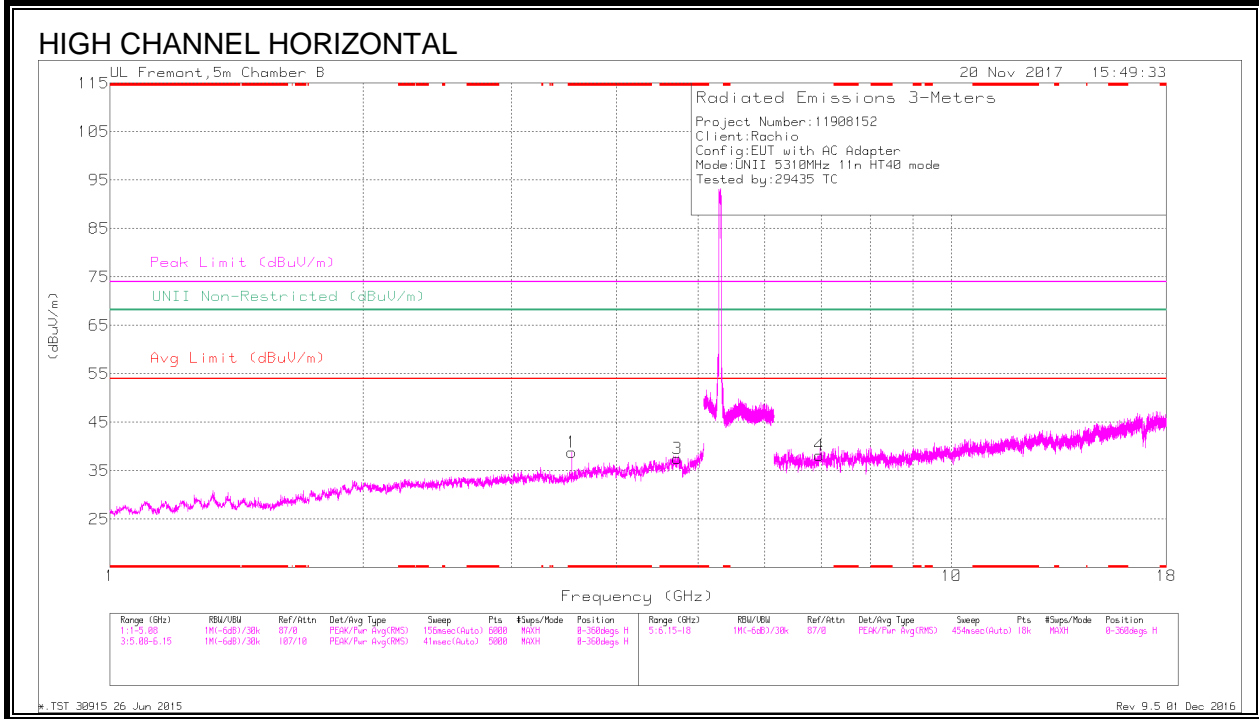
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TBE3 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 3.513	37.2	Pk	32.8	-30.8	0	39.2	-	-	74	-34.8	-	-	0-360	199	H
3	* 4.124	32.75	Pk	33.4	-29.7	0	36.45	-	-	74	-37.55	-	-	0-360	102	H
2	* 3.513	38.01	Pk	32.8	-30.8	0	40.01	-	-	74	-33.99	-	-	0-360	200	V
4	* 4.225	34.15	Pk	33.4	-29.9	0	37.65	-	-	74	-36.35	-	-	0-360	102	V
5	7.989	27.97	Pk	36	-26.7	0	37.27	-	-	-	-	68.2	-30.93	0-360	102	H
6	8.758	28.69	Pk	36.2	-25.7	0	39.19	-	-	-	-	68.2	-29.01	0-360	200	V

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

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF TBE3 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 3.513	41.62	PK-U	32.8	-30.8	0	43.62	-	-	74	-30.38	-	-	279	234	H
* 3.513	34.85	ADR	32.8	-30.8	3.08	39.93	54	-14.07	-	-	-	-	279	234	H
* 4.125	39.27	PK-U	33.4	-29.7	0	42.97	-	-	74	-31.03	-	-	359	273	H
* 4.126	27.02	ADR	33.4	-29.6	3.08	33.90	54	-20.10	-	-	-	-	359	273	H
* 3.513	42.92	PK-U	32.8	-30.8	0	44.92	-	-	74	-29.08	-	-	248	188	V
* 3.513	36.97	ADR	32.8	-30.8	3.08	42.05	54	-11.95	-	-	-	-	248	188	V
* 4.224	38.59	PK-U	33.4	-29.9	0	42.09	-	-	74	-31.91	-	-	154	153	V
* 4.227	26.68	ADR	33.4	-30	3.08	33.16	54	-20.84	-	-	-	-	154	153	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



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TBE3 (dB/m)	Amp/Ch/Filt/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)	Aimuth (Degs)	Height (cm)	Polarity
1	* 3.54	36.39	Pk	32.9	-30.5	0	38.79	-	-	74	-35.21	-	-	0-360	102	H
3	* 4.72	32.56	Pk	34.2	-29.2	0	37.56	-	-	74	-36.44	-	-	0-360	199	H
2	* 3.54	38.04	Pk	32.9	-30.5	0	40.44	-	-	74	-33.56	-	-	0-360	102	V
4	6.964	29.77	Pk	35.8	-27.4	0	38.17	-	-	-	-	68.2	-30.03	0-360	199	H
5	8.767	28.38	Pk	36.2	-25.9	0	38.68	-	-	-	-	68.2	-29.52	0-360	102	V
6	9.624	27.18	Pk	36.8	-24.2	0	39.78	-	-	-	-	68.2	-28.42	0-360	200	V

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

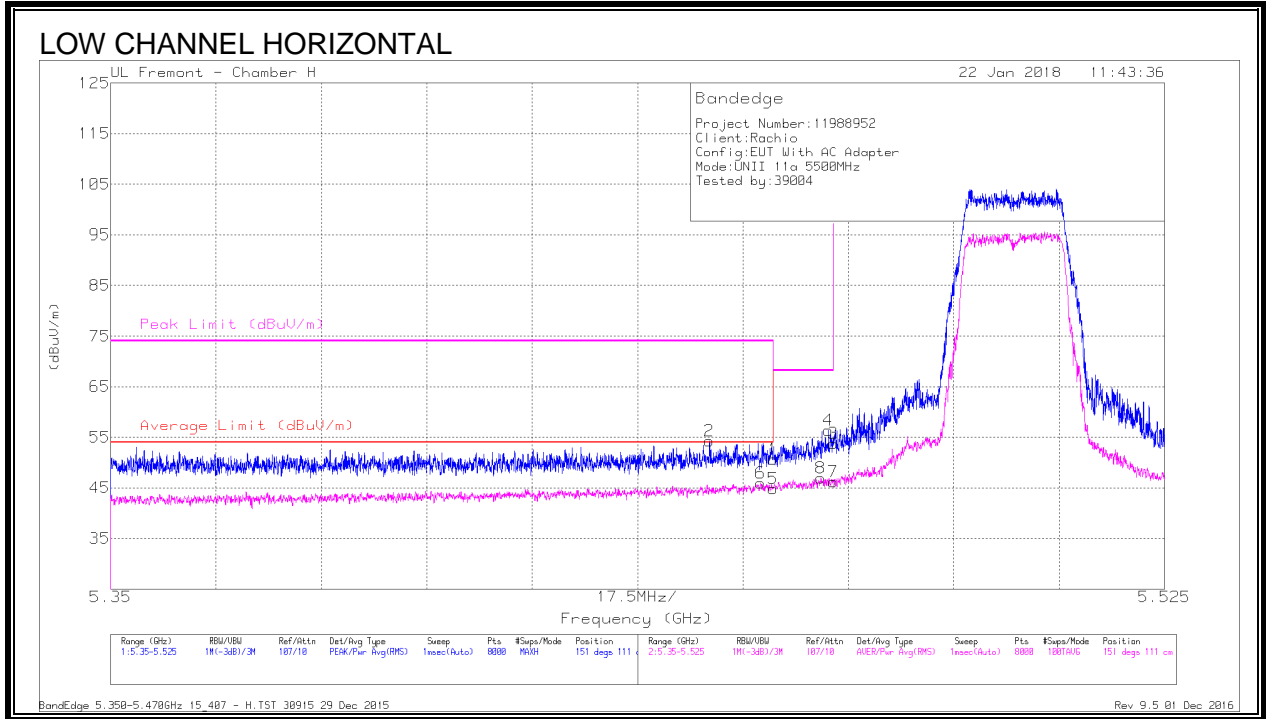
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF TBE3 (dB/m)	Amp/Ch/Filt/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)	Aimuth (Degs)	Height (cm)	Polarity
* 3.54	40.91	PK-U	32.9	-30.4	0	43.41	-	-	74	-30.59	-	-	293	182	H
* 3.54	33.41	ADR	32.9	-30.5	3.08	38.89	54	-15.11	-	-	-	-	293	182	H
* 4.719	39.16	PK-U	34.2	-29.2	0	44.16	-	-	74	-29.84	-	-	249	267	H
* 4.72	27.08	ADR	34.2	-29.2	3.08	35.16	54	-18.84	-	-	-	-	249	267	H
* 3.54	42.65	PK-U	32.9	-30.5	0	45.05	-	-	74	-28.95	-	-	249	157	V
* 3.54	36.54	ADR	32.9	-30.5	3.08	42.02	54	-11.98	-	-	-	-	249	157	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. 11a MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



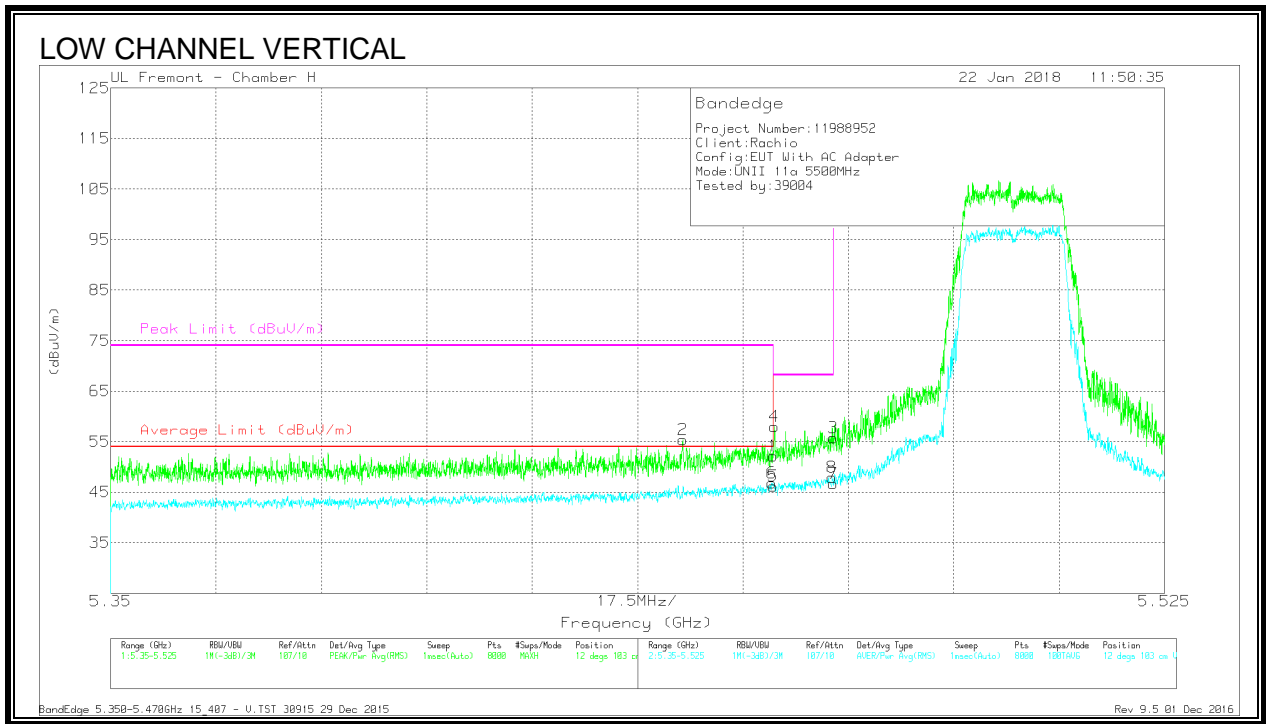
Trace Markers

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.449	43.33	Pk	34.7	-23.8	0	54.23	-	-	74	-19.77	151	111	H
6	* 5.458	34.07	RMS	34.7	-23.8	.94	45.91	54	-8.09	-	-	151	111	H
1	* 5.46	39.74	Pk	34.7	-23.8	0	50.64	-	-	74	-23.36	151	111	H
5	* 5.46	32.96	RMS	34.7	-23.8	.94	44.8	54	-9.2	-	-	151	111	H
8	5.468	35.06	RMS	34.7	-23.8	.94	46.9	-	-	-	-	151	111	H
4	5.469	45.43	Pk	34.7	-23.8	0	56.33	-	-	68.2	-11.87	151	111	H
3	5.47	42.86	Pk	34.7	-23.8	0	53.76	-	-	68.2	-14.44	151	111	H
7	5.47	34.41	RMS	34.7	-23.8	.94	46.25	-	-	-	-	151	111	H

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

Pk - Peak detector

RMS - RMS detection



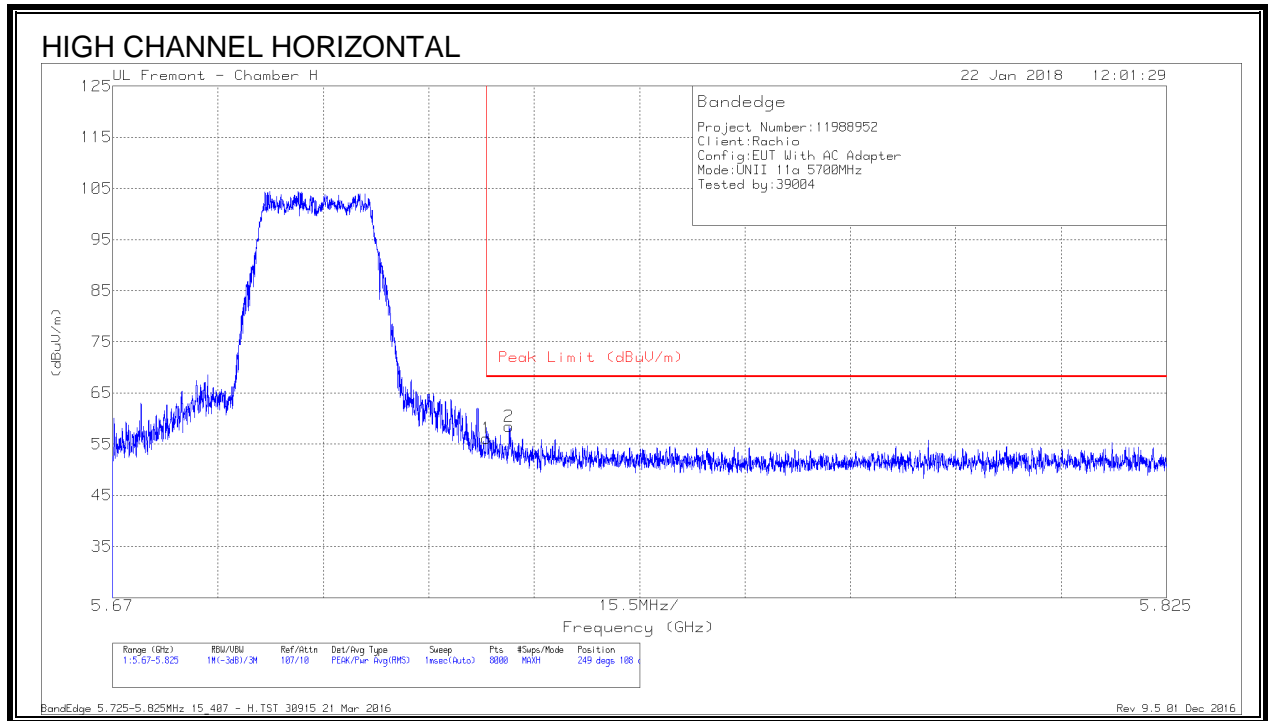
Trace Markers

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T344 (dBm)	Amp/CbI/Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.445	44.58	Pk	34.7	-23.9	0	55.38	-	-	74	-18.62	12	103	V
1	* 5.46	41.31	Pk	34.7	-23.8	0	52.21	-	-	74	-21.79	12	103	V
5	* 5.46	34.37	RMS	34.7	-23.8	.94	46.21	54	-7.79	-	-	12	103	V
6	* 5.46	34.97	RMS	34.7	-23.8	.94	46.81	54	-7.19	-	-	12	103	V
4	5.46	47.11	Pk	34.7	-23.8	0	58.01	-	-	68.2	-10.19	12	103	V
3	5.47	44.87	Pk	34.7	-23.8	0	55.77	-	-	68.2	-12.43	12	103	V
7	5.47	34.83	RMS	34.7	-23.8	.94	46.67	-	-	-	-	12	103	V
8	5.47	36.13	RMS	34.7	-23.8	.94	47.97	-	-	-	-	12	103	V

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

Pk - Peak detector
 RMS - RMS detection

RESTRICTED BANDEDGE (HIGH CHANNEL)

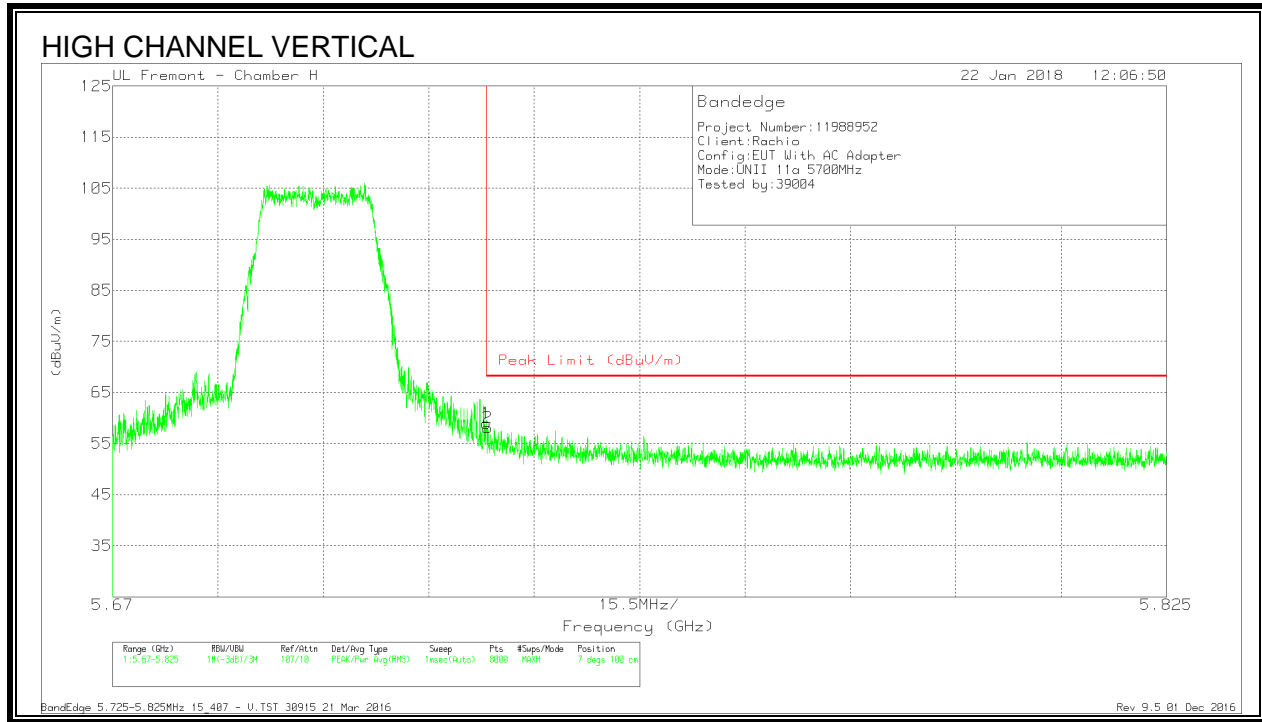


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbi/Filtr/Par d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.49	Pk	35.1	-23.5	0	56.09	68.2	-12.11	249	108	H
2	5.728	46.91	Pk	35.1	-23.5	0	58.51	68.2	-9.69	249	108	H

Pk - Peak detector

BandEdge 5.725-5.825MHz 15_407 - H.TST 30915 21 Mar 2016

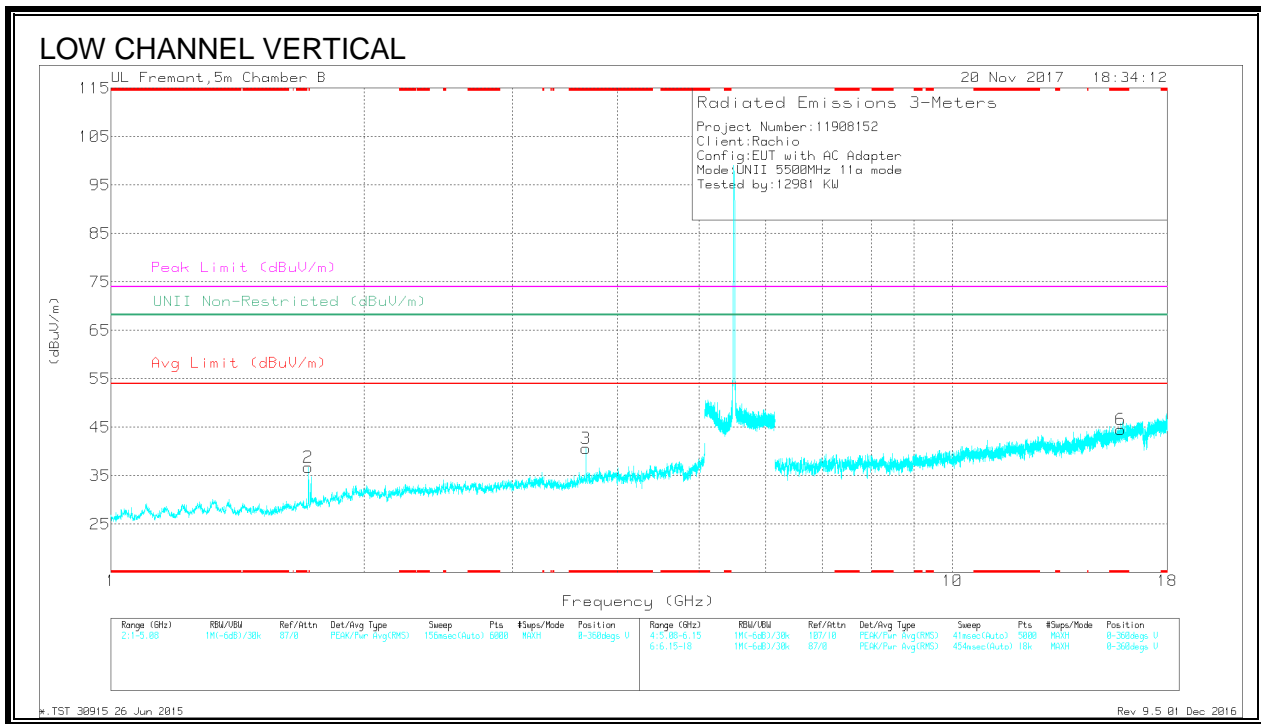
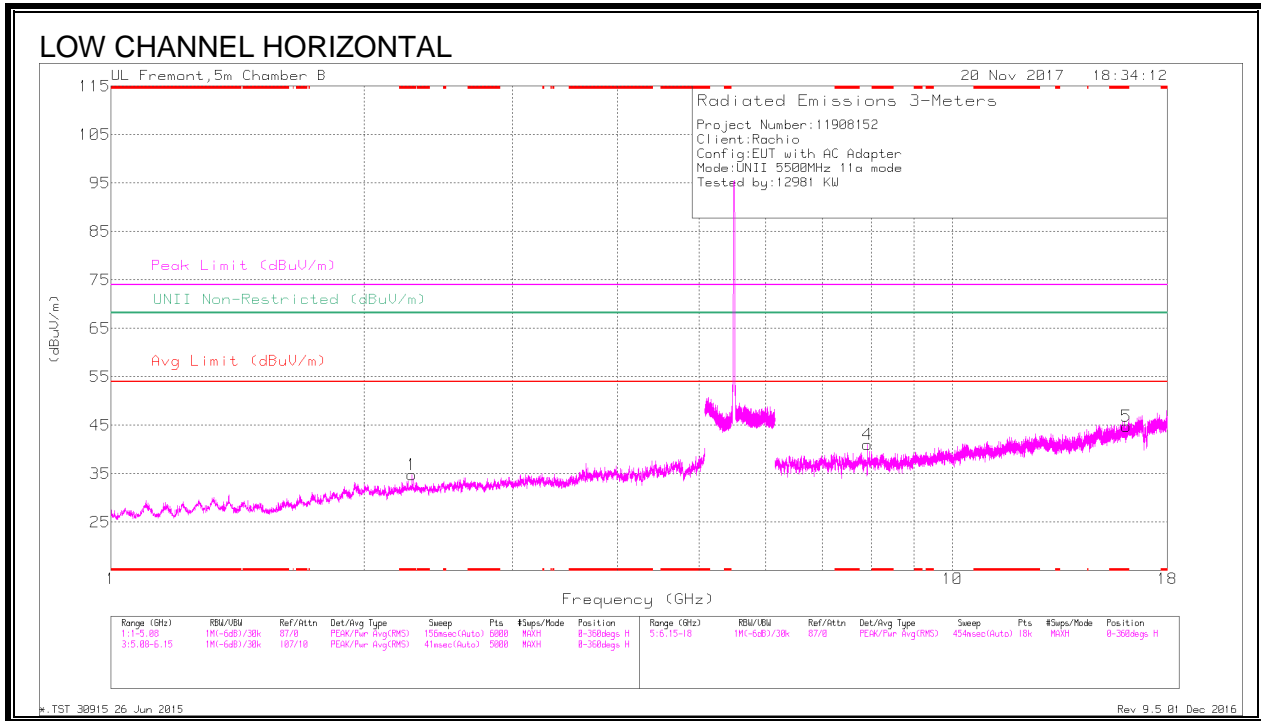


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.4	Pk	35.1	-23.5	0	59	68.2	-9.2	7	100	V
2	5.725	46.49	Pk	35.1	-23.5	0	58.09	68.2	-10.11	7	100	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



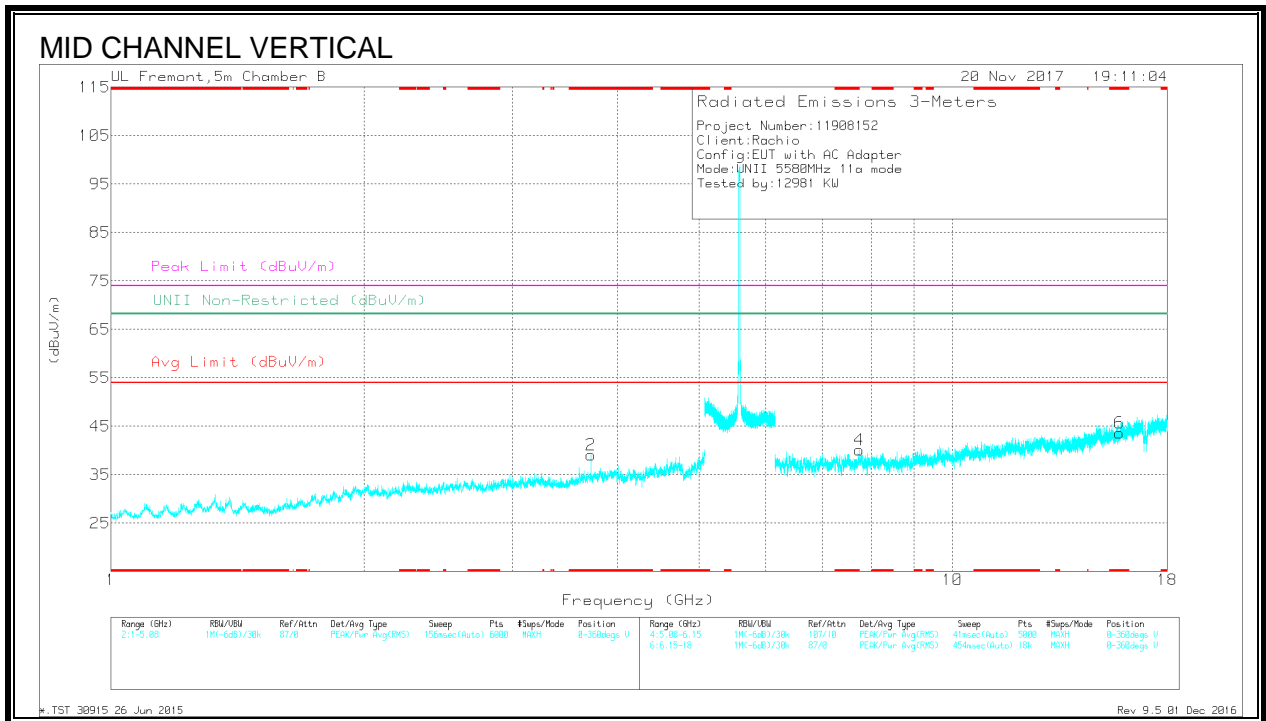
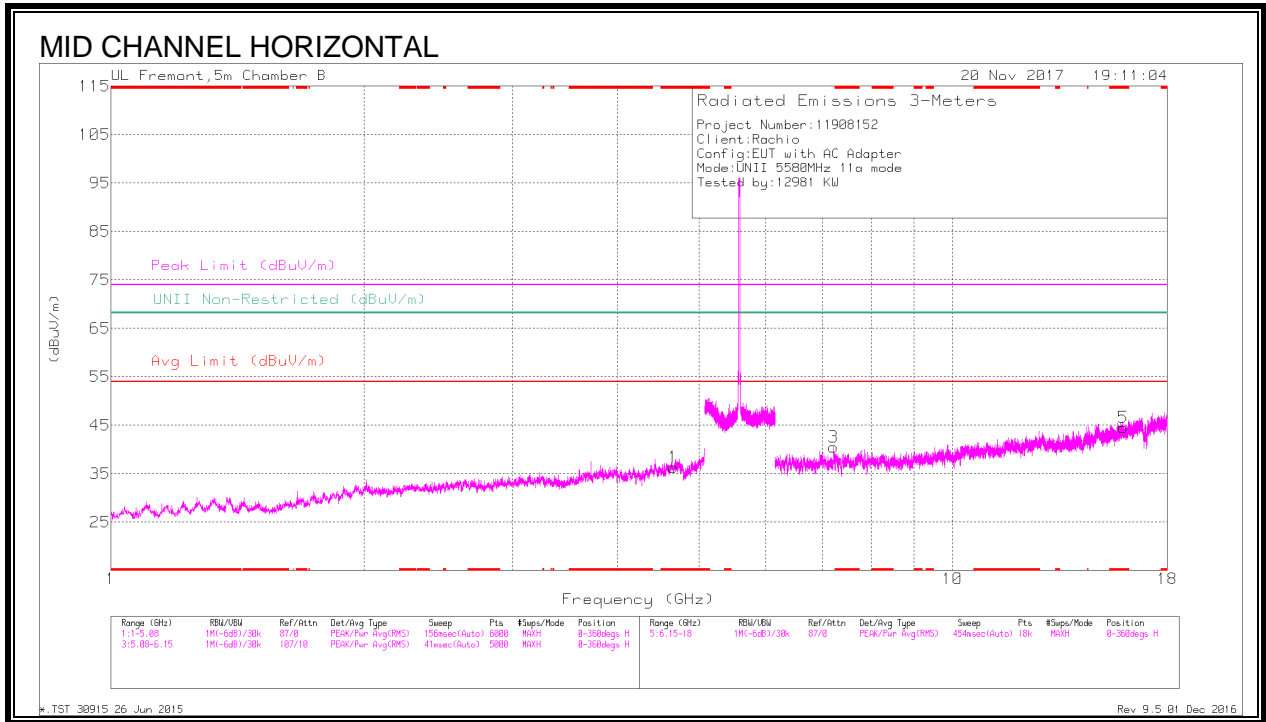
Radiated Emissions

Maker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T813 (dB/m)	Amp/Cl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNR Non-Restricted (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.281	39.69	PK-U	32	-31.9	0	39.79	-	-	74	-34.21	-	-	250	242	H
	* 2.28	27.44	ADR	32	-31.9	.94	28.88	54	-25.52	-	-	-	-	250	242	H
3	* 3.667	42.91	PK-U	33.2	-30.8	0	45.31	-	-	74	-28.69	-	-	223	230	V
	* 3.667	37.41	ADR	33.2	-30.8	.94	40.75	54	-13.25	-	-	-	-	223	230	V
5	* 16.095	29.44	PK-U	41.3	-20.2	0	50.54	-	-	74	-23.46	-	-	150	375	H
	* 16.092	15.58	ADR	41.3	-20.2	.94	37.62	54	-16.38	-	-	-	-	150	375	H
6	* 15.841	28.93	PK-U	41	-19.2	0	50.73	-	-	74	-23.27	-	-	135	141	V
	* 15.843	14.76	ADR	41	-19.2	.94	37.50	54	-16.50	-	-	-	-	135	141	V
2	1.716	40.47	PK-U	29.3	-32.9	0	36.87	-	-	-	-	68.2	-31.33	138	308	V
4	7.927	35.37	PK-U	36	-25.1	0	46.27	-	-	-	-	68.2	-21.93	78	255	H

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

PK-U - U-NII: Maximum Peak

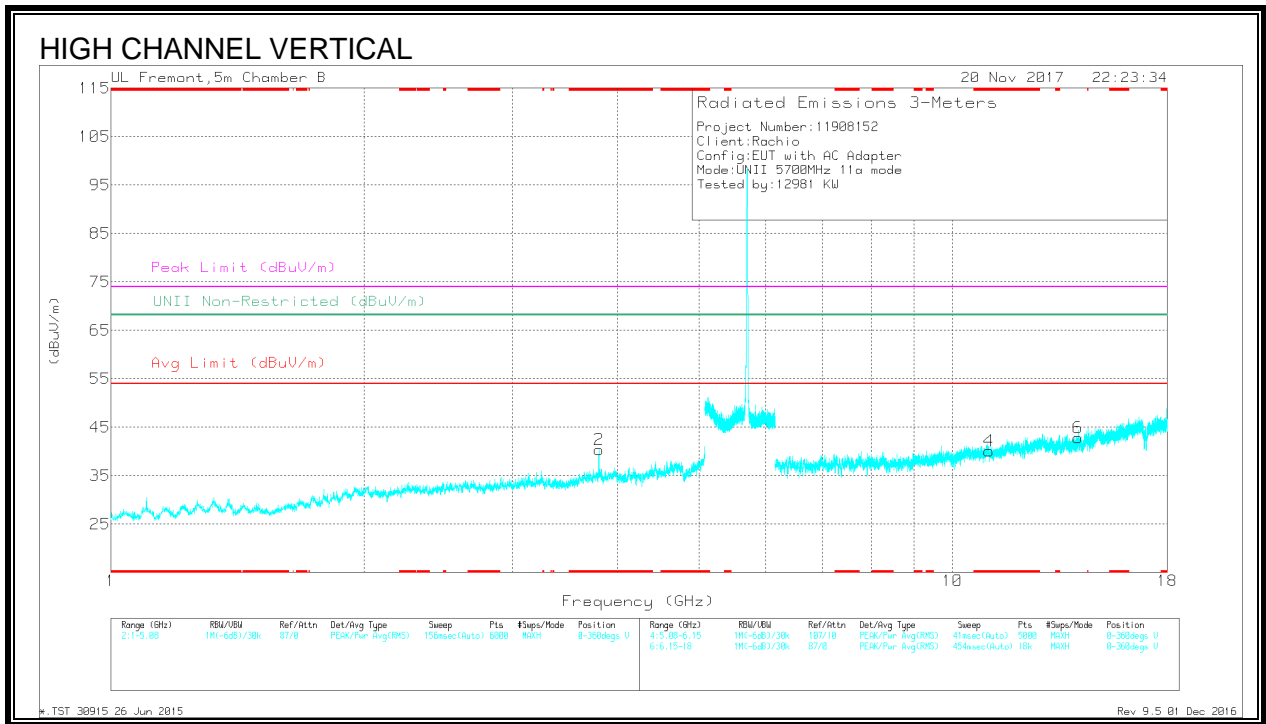
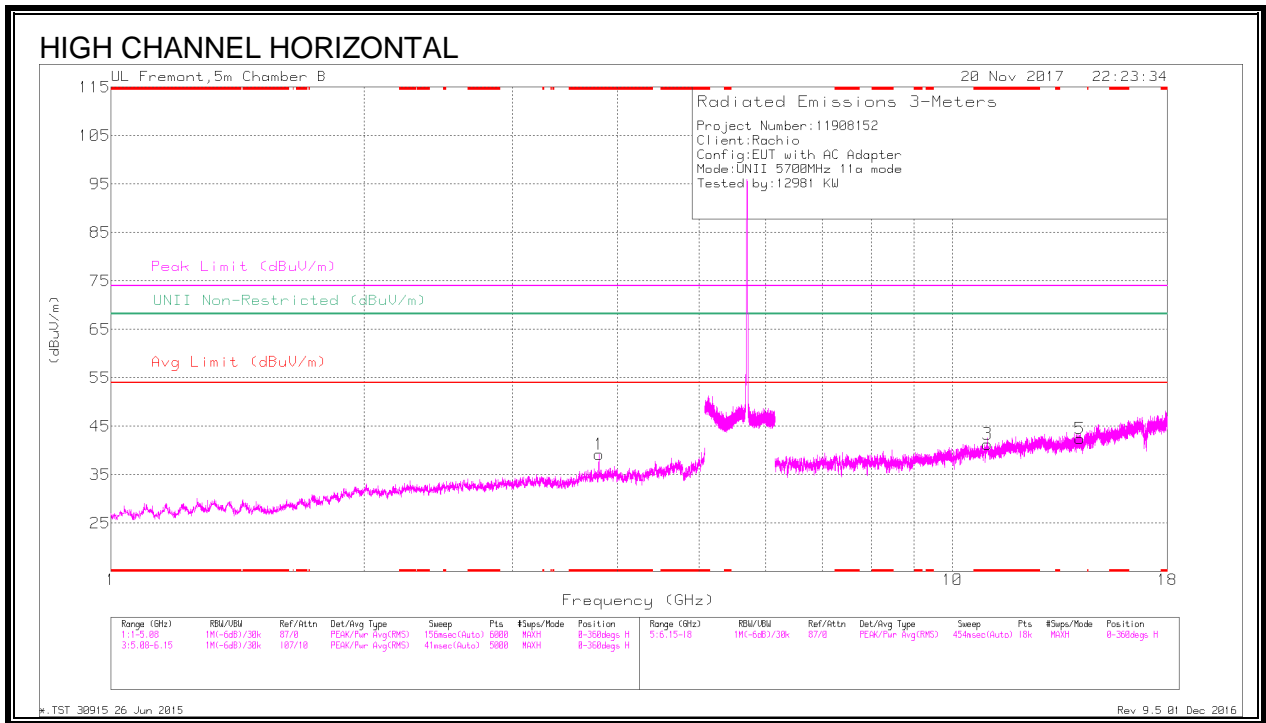
ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TR63 (dB/m)	Amp/Cl/Filt/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	* 4.657	37.67	PK-U	34.3	-28.9	0	43.07	-	-	74	-30.93	-	-	220	120	H
	* 4.659	25.39	ADR	34.3	-28.9	.94	31.73	54	-22.27	-	-	-	-	220	120	H
2	* 3.72	40.51	PK-U	33.3	-30.7	0	43.11	-	-	74	-30.89	-	-	187	183	V
	* 3.72	29.61	ADR	33.3	-30.7	.94	33.15	54	-20.85	-	-	-	-	187	183	V
5	* 15.966	29.85	PK-U	41.1	-19.7	0	51.25	-	-	74	-22.75	-	-	168	165	H
	* 15.968	17.33	ADR	41.1	-19.7	.94	39.67	54	-14.33	-	-	-	-	168	165	H
6	* 15.787	30.06	PK-U	40.9	-20.5	0	50.46	-	-	74	-23.54	-	-	113	130	V
	* 15.788	17.65	ADR	40.9	-20.5	.94	38.99	54	-15.01	-	-	-	-	113	130	V
3	7.225	36.21	PK-U	35.8	-25.7	0	46.31	-	-	-	-	68.2	-21.89	128	170	H
	7.753	35.54	PK-U	36	-26.2	0	45.34	-	-	-	-	68.2	-22.86	77	221	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



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TR63 (dB/m)	Amp/Cl/Filt/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	* 3.8	40.65	PK-U	33.6	-30.8	0	43.45	-	-	74	-30.55	-	-	90	136	H
	* 3.8	31.89	ADR	33.6	-30.8	.94	35.63	54	-18.37	-	-	-	-	90	136	H
2	* 3.8	40.11	PK-U	33.6	-30.8	0	42.91	-	-	74	-31.09	-	-	67	213	V
	* 3.8	30.24	ADR	33.6	-30.8	.94	33.98	54	-20.02	-	-	-	-	67	213	V
3	* 11.001	32.56	PK-U	37.7	-21.5	0	48.75	-	-	74	-25.24	-	-	138	149	H
	* 11.005	19.73	ADR	37.7	-21.6	.94	36.77	54	-17.23	-	-	-	-	138	149	H
4	* 11.051	31.75	PK-U	37.8	-22.9	0	46.65	-	-	74	-27.35	-	-	243	222	V
	* 11.051	20.06	ADR	37.8	-22.9	.94	35.90	54	-18.10	-	-	-	-	243	222	V
5	14.101	31.81	PK-U	39.3	-21.6	0	49.51	-	-	-	-	68.2	-18.69	116	228	V
	14.174	32.35	PK-U	39.4	-21.7	0	50.05	-	-	-	-	68.2	-18.15	199	209	H

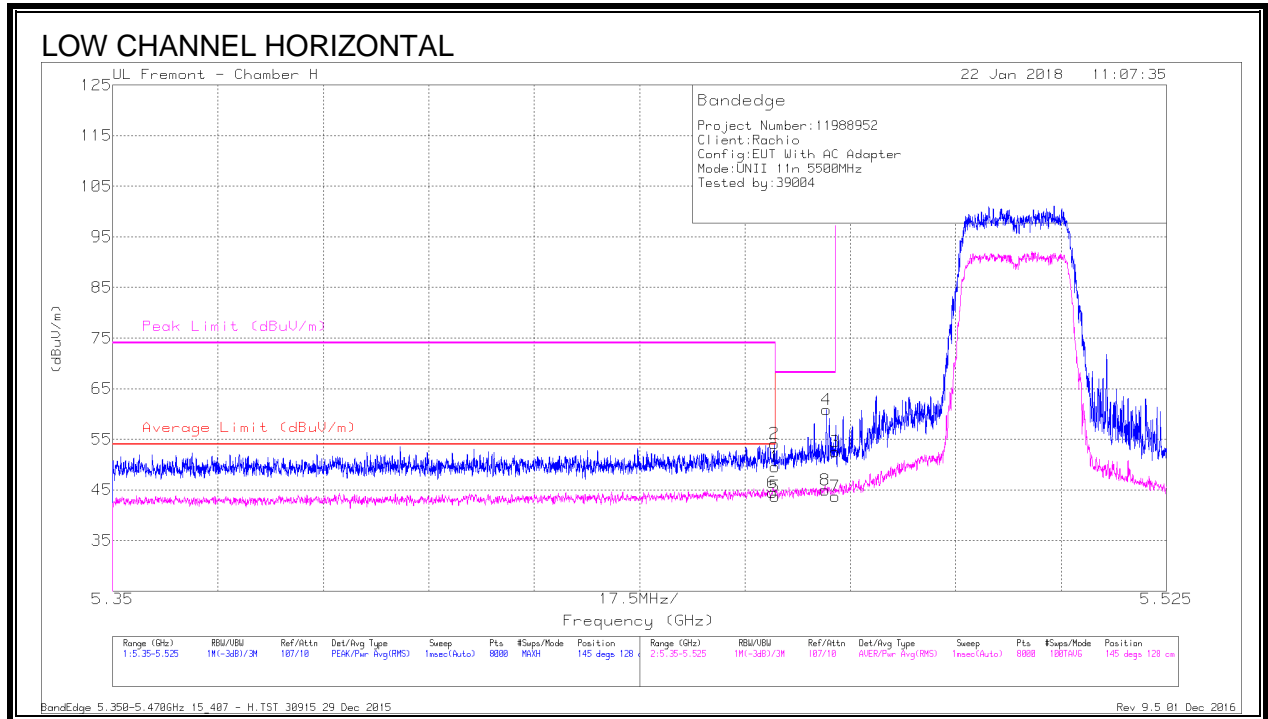
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.8. 11n HT20 MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



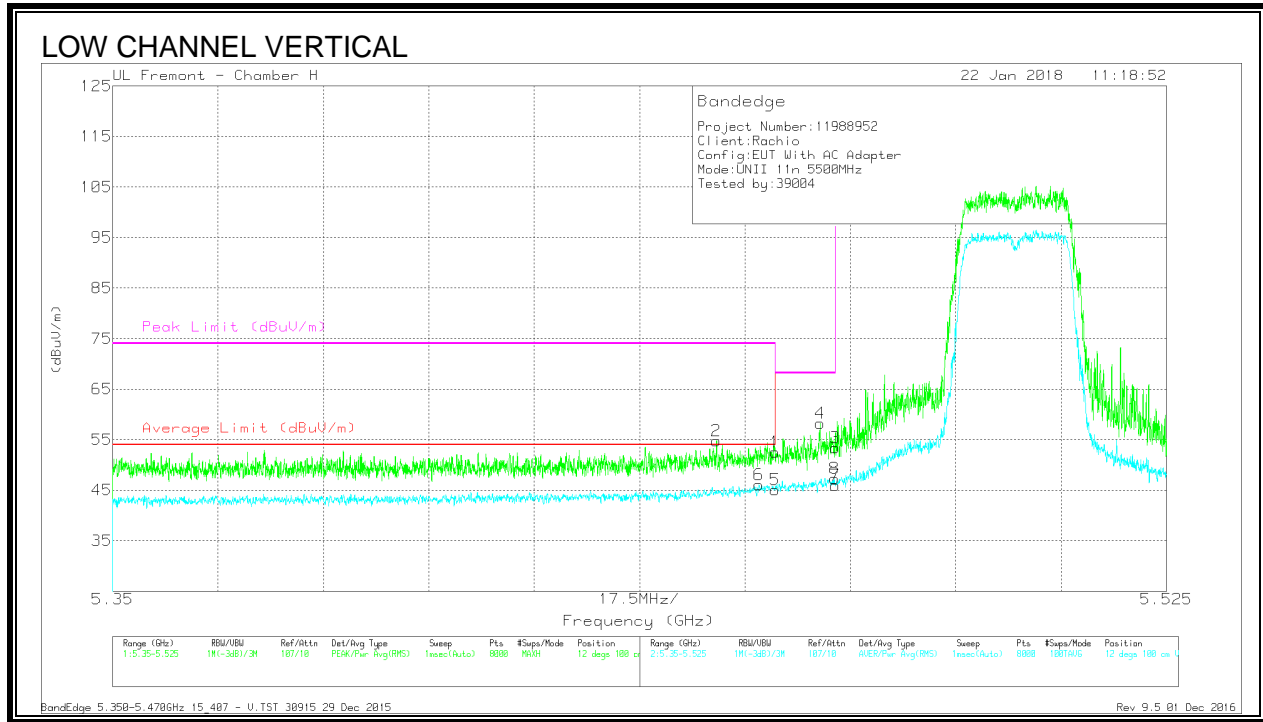
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.65	Pk	34.7	-23.8	0	49.55	-	-	74	-24.45	145	128	H
2	* 5.46	43.28	Pk	34.7	-23.8	0	54.18	-	-	74	-19.82	145	128	H
5	* 5.46	32.83	RMS	34.7	-23.8	1	44.73	54	-9.27	-	-	145	128	H
6	* 5.46	33.61	RMS	34.7	-23.8	1	45.51	54	-8.49	-	-	145	128	H
8	5.468	34.06	RMS	34.7	-23.8	1	45.96	-	-	-	-	145	128	H
4	5.469	49.91	Pk	34.7	-23.8	0	60.81	-	-	68.2	-7.39	145	128	H
3	5.47	41.65	Pk	34.7	-23.8	0	52.55	-	-	68.2	-15.65	145	128	H
7	5.47	32.83	RMS	34.7	-23.8	1	44.73	-	-	-	-	145	128	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

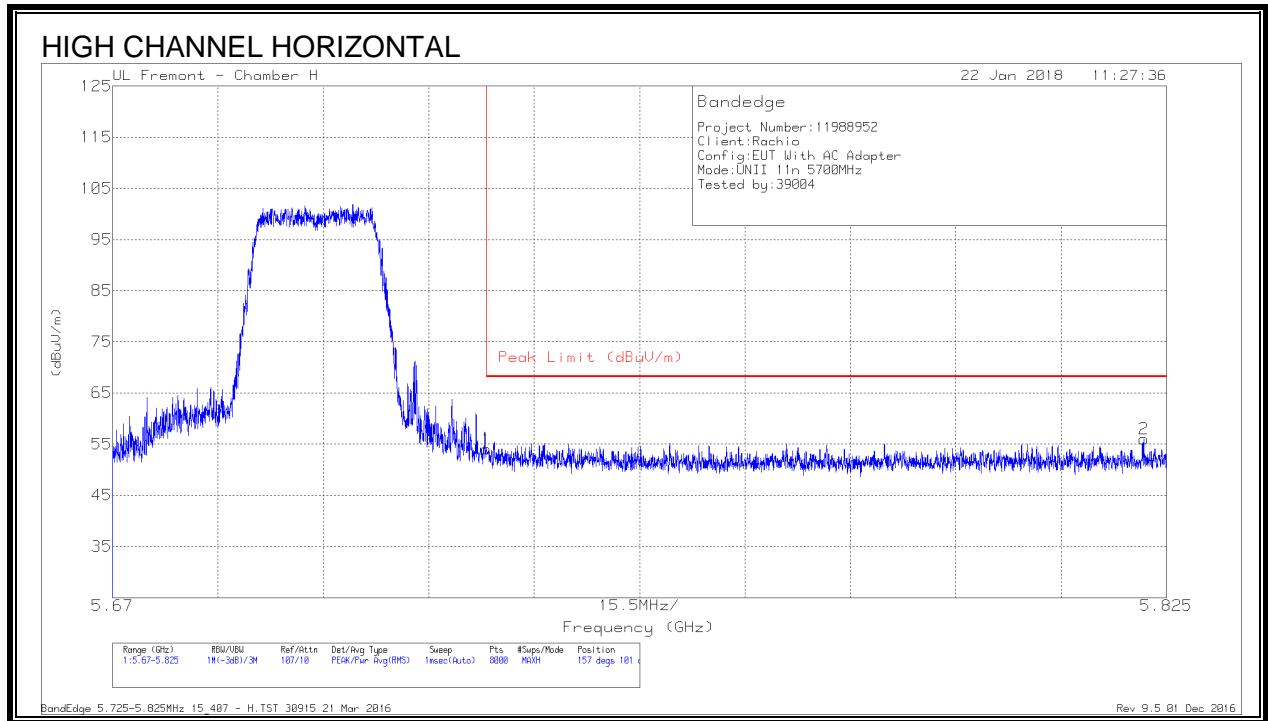
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.45	43.91	Pk	34.7	-23.8	0	54.81	-	-	74	-19.19	12	100	V
6	* 5.457	34.19	RMS	34.7	-23.8	1	46.09	54	-7.91	-	-	12	100	V
1	* 5.46	41.6	Pk	34.7	-23.8	0	52.5	-	-	74	-21.5	12	100	V
5	* 5.46	33.21	RMS	34.7	-23.8	1	45.11	54	-8.89	-	-	12	100	V
4	5.467	47.37	Pk	34.7	-23.8	0	58.27	-	-	68.2	-9.93	12	100	V
3	5.47	42.46	Pk	34.7	-23.8	0	53.36	-	-	68.2	-14.84	12	100	V
7	5.47	34.08	RMS	34.7	-23.8	1	45.98	-	-	-	-	12	100	V
8	5.47	35.44	RMS	34.7	-23.8	1	47.34	-	-	-	-	12	100	V

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

Pk - Peak detector

RMS - RMS detection

RESTRICTED BANDEDGE (HIGH CHANNEL)

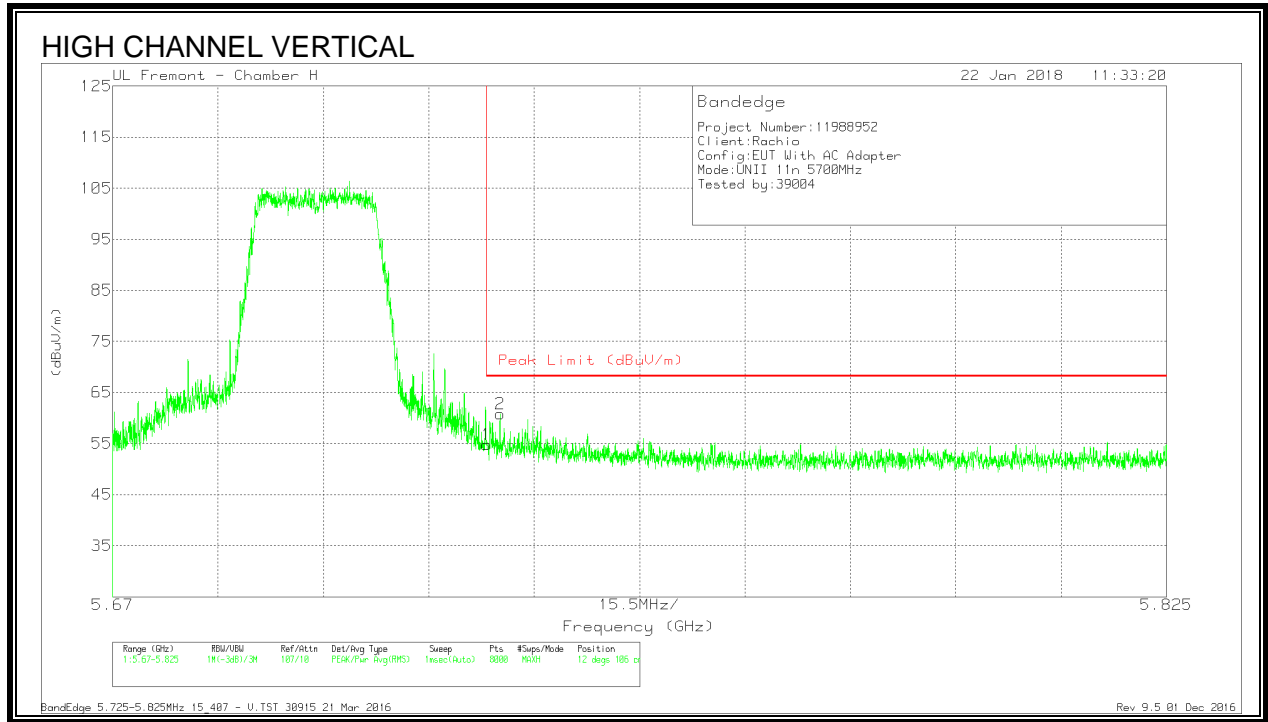


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbi/Filtr/Par d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.43	Pk	35.1	-23.5	0	54.03	68.2	-14.17	157	101	H
2	5.822	43.92	Pk	35.4	-23.3	0	56.02	68.2	-12.18	157	101	H

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

Pk - Peak detector

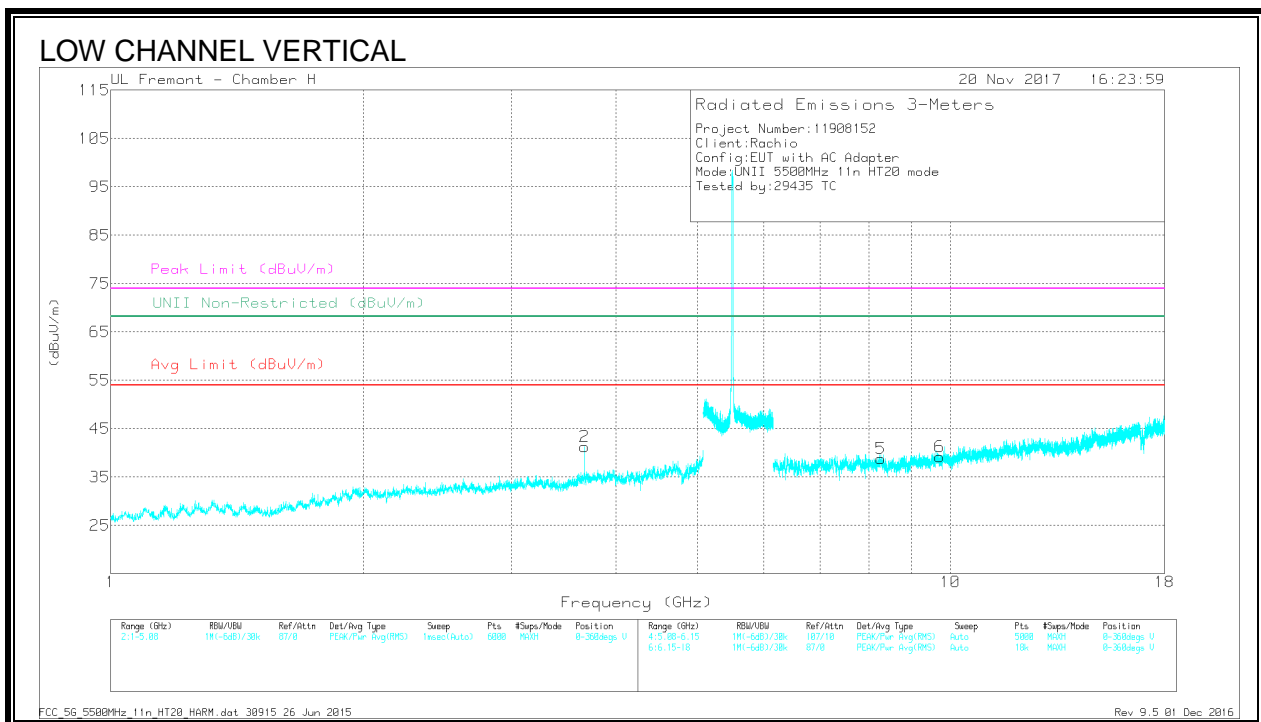
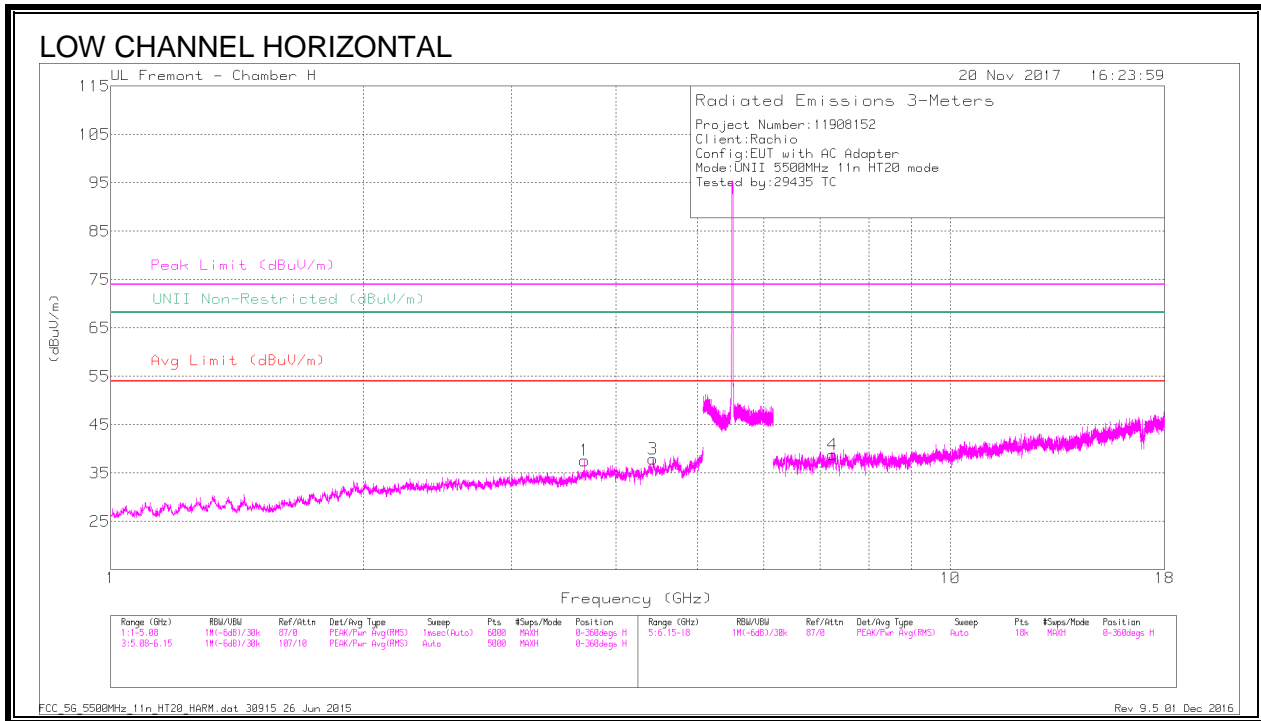


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl/Filtr/Par d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.18	Pk	35.1	-23.5	0	54.78	68.2	-13.42	12	106	V
2	5.727	49.18	Pk	35.1	-23.5	0	60.78	68.2	-7.42	12	106	V

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

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.667	40.29	PK-U	33.2	-30.8	0	42.69	-	-	74	-31.31	-	-	68	191	H
	* 3.667	32.68	ADR	33.2	-30.8	1	36.08	54	-17.92	-	-	-	-	68	191	H
2	* 3.667	42.84	PK-U	33.2	-30.8	0	45.24	-	-	74	-28.76	-	-	225	231	V
	* 3.667	37.23	ADR	33.2	-30.8	1	40.63	54	-13.37	-	-	-	-	225	231	V
5	* 8.263	35.99	PK-U	36.1	-25.6	0	46.49	-	-	74	-27.51	-	-	7	342	V
	* 8.263	23.13	ADR	36.1	-25.6	1	34.63	54	-19.37	-	-	-	-	7	342	V
3	4.429	39.06	PK-U	33.8	-28.4	0	44.46	-	-	-	-	68.2	-23.74	257	124	H
4	7.244	34.44	PK-U	35.8	-25.4	0	44.84	-	-	-	-	68.2	-23.36	14	188	H
6	9.711	32.77	PK-U	36.9	-24	0	45.67	-	-	-	-	68.2	-22.53	349	378	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

