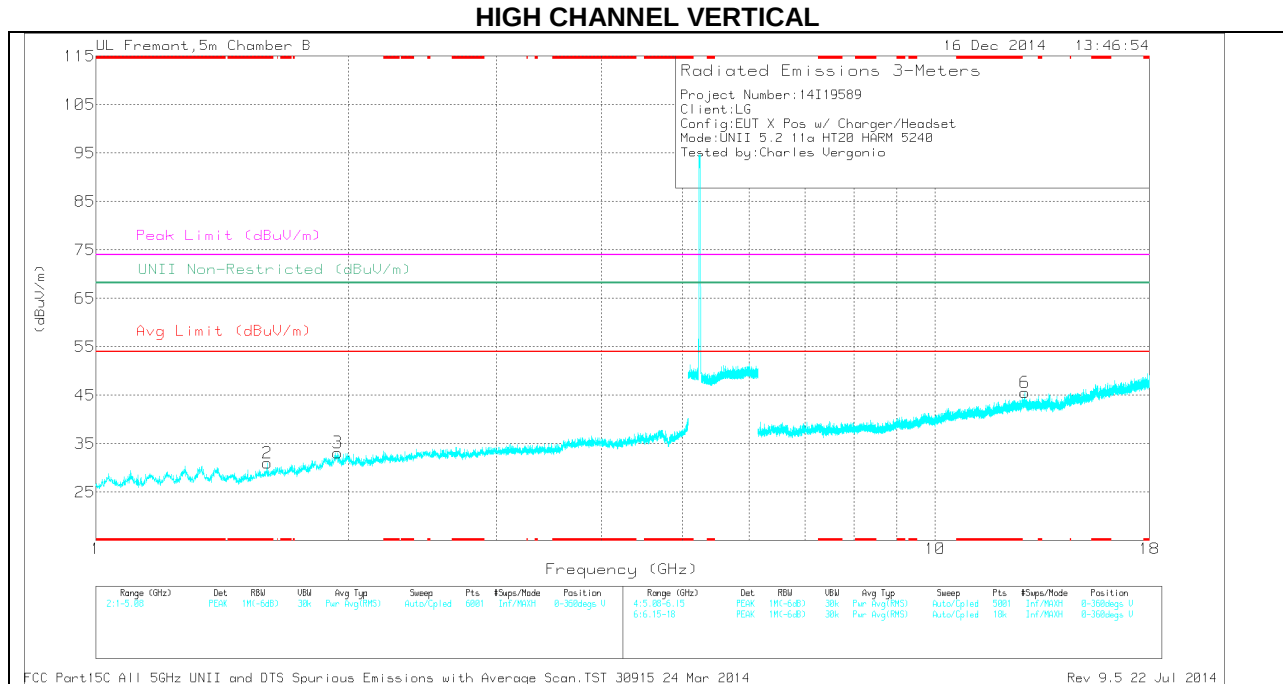




Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

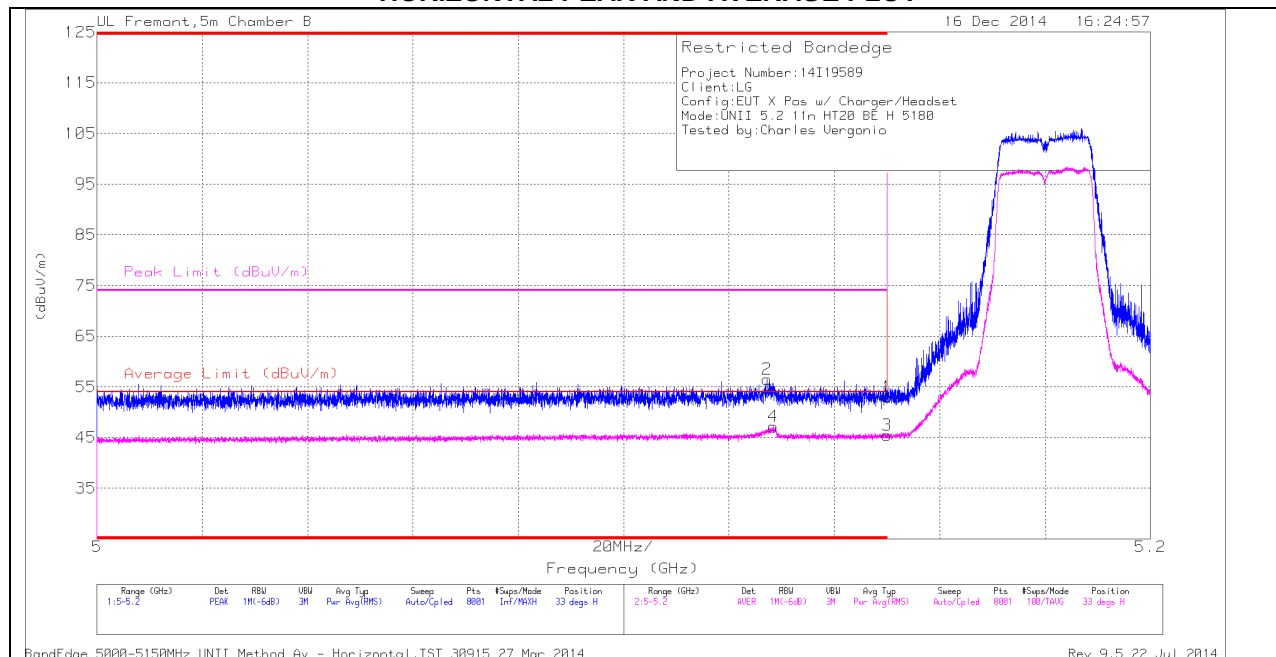
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Ampl/Cbll/Flt r/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.449	35.81	PK	28.2	-34.2	29.81	-	-	74	-44.19	-	-	0-360	199	H
2	* 1.599	35.75	PK	28.5	-33.2	31.05	-	-	74	-42.95	-	-	0-360	101	V
4	* 4.682	34.49	PK	34.2	-29.8	38.89	-	-	74	-35.11	-	-	0-360	100	H
3	1.94	34.57	PK	31.2	-32.6	33.17	-	-	-	-	68.2	-35.03	0-360	199	V
6	12.789	27.72	PK	39.2	-21.4	45.52	-	-	-	-	68.2	-22.68	0-360	101	V
5	7.93	32.57	PK	35.7	-27.5	40.77	-	-	-	-	68.2	-27.43	0-360	199	H

PK - Peak detector

FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

11.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

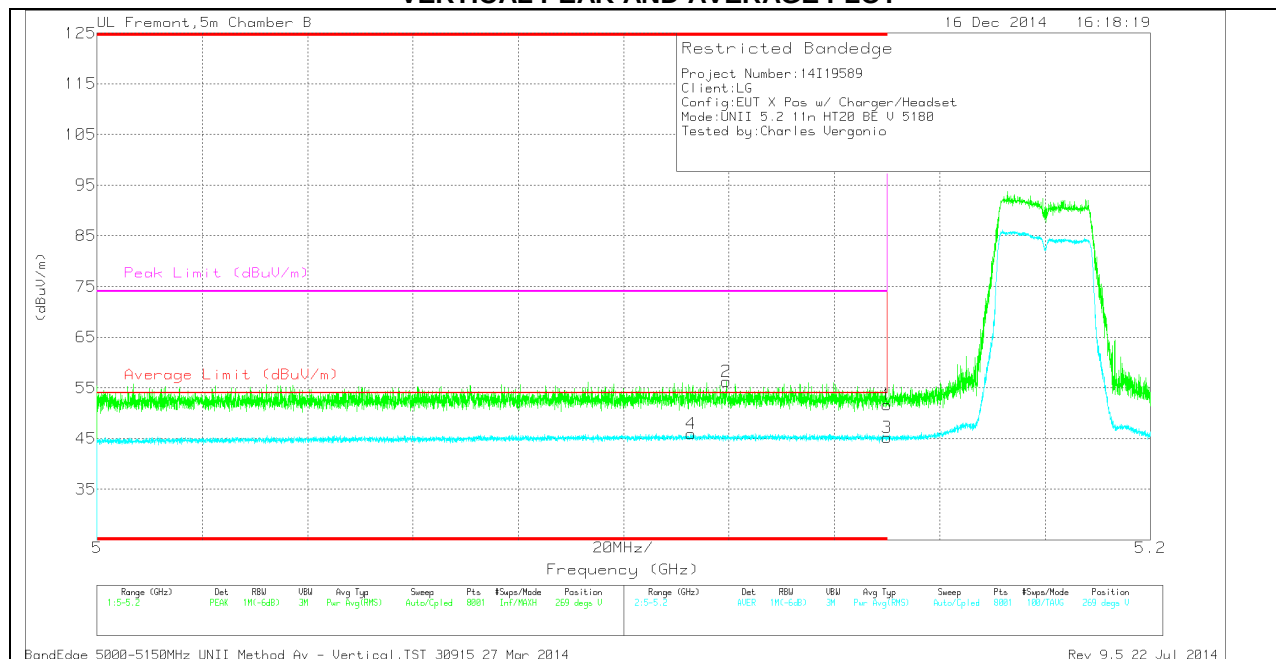
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/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	* 5.127	42.73	PK	34.3	-20.5	0	56.53	-	-	74	-17.47	33	211	H
4	* 5.128	33.1	RMS	34.3	-20.5	.23	47.13	54	-6.87	-	-	33	211	H
1	* 5.15	39.18	PK	34.3	-20.5	0	52.98	-	-	74	-21.02	33	211	H
3	* 5.15	31.37	RMS	34.3	-20.5	.23	45.4	54	-8.6	-	-	33	211	H

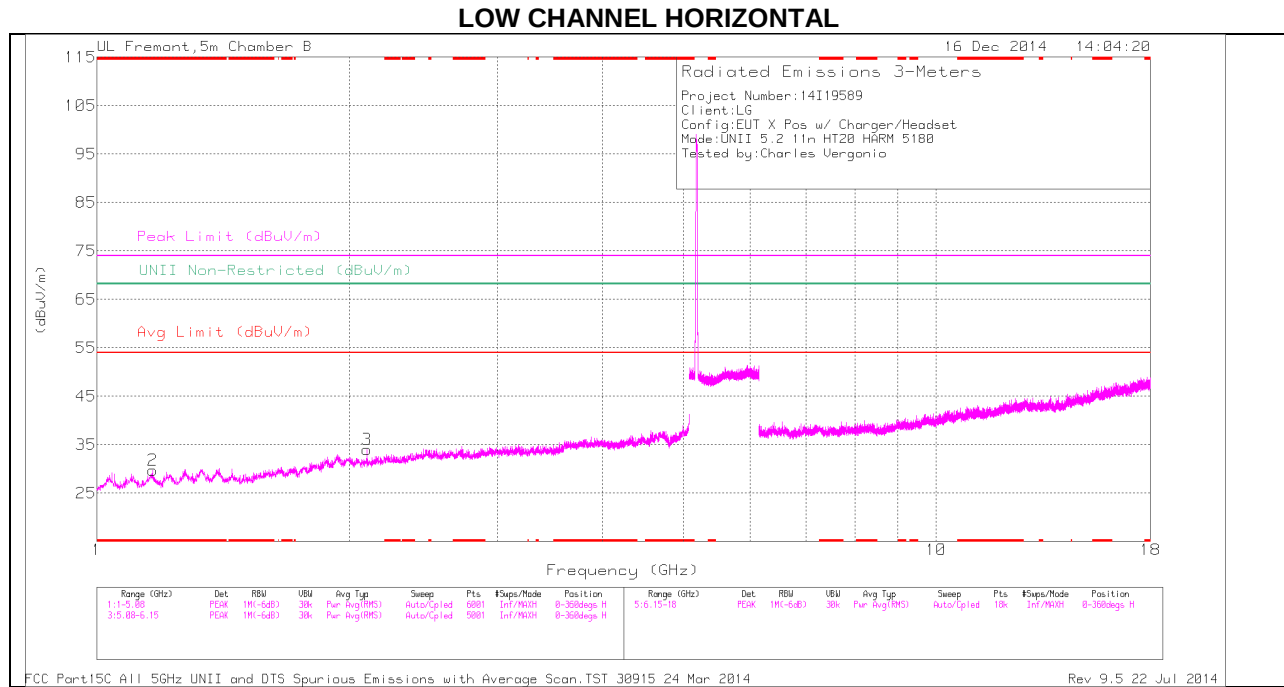
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

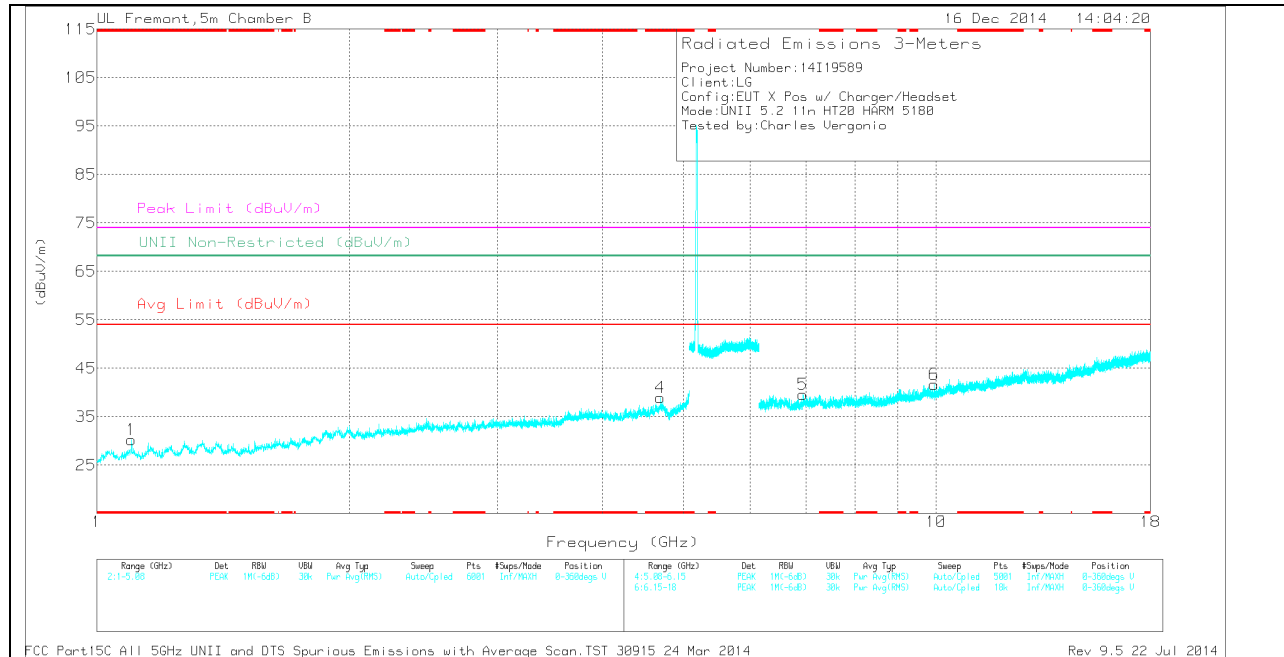
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.113	31.87	RMS	34.3	-20.4	.23	46	54	-8	-	-	269	110	V
2	* 5.12	42.49	PK	34.3	-20.5	0	56.29	-	-	74	-17.71	269	110	V
1	* 5.15	37.85	PK	34.3	-20.5	0	51.65	-	-	74	-22.35	269	110	V
3	* 5.15	31.19	RMS	34.3	-20.5	.23	45.22	54	-8.78	-	-	269	110	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

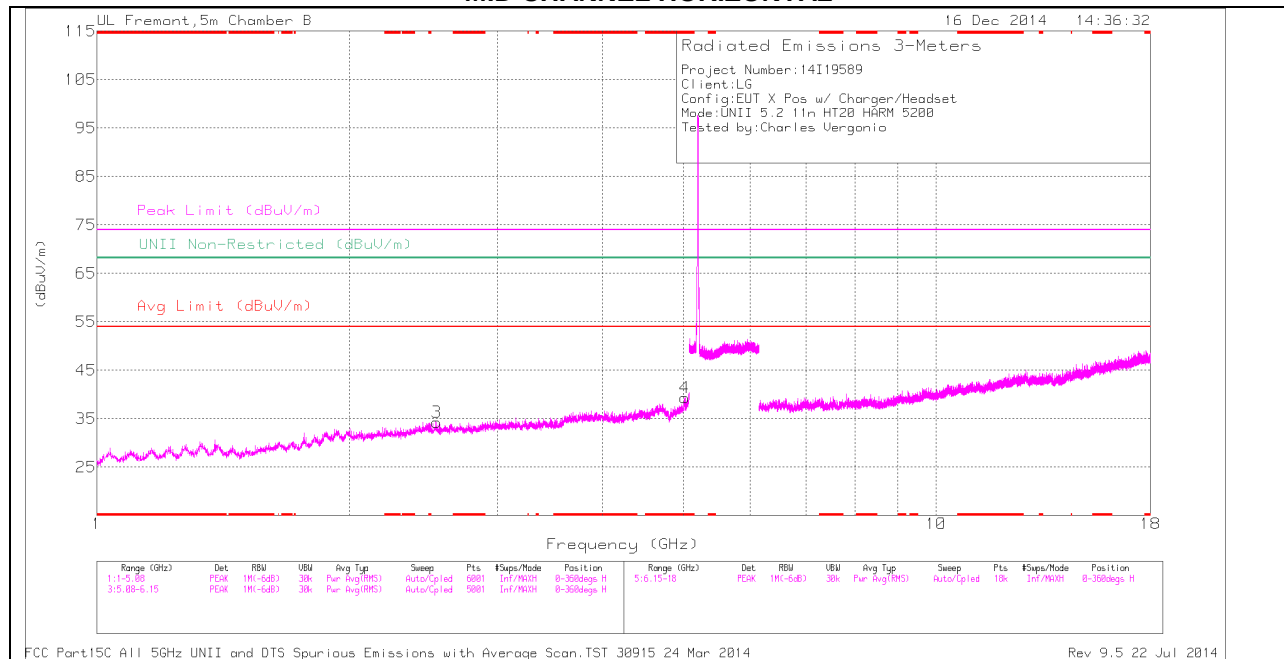
TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Ampl/Cb/Filter/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.1	37.29	PK	27.4	-34.4	30.29	-	-	74	-43.71	-	-	0-360	199	V
2	* 1.165	36.43	PK	27.9	-34.6	29.73	-	-	74	-44.27	-	-	0-360	101	H
4	* 4.688	34.67	PK	34.2	-29.9	38.97	-	-	74	-35.03	-	-	0-360	101	V
3	2.098	36.47	PK	31.2	-33.6	34.07	-	-	-	-	68.2	-34.13	0-360	101	H
5	6.941	31.58	PK	35.6	-27.6	39.58	-	-	-	-	68.2	-28.62	0-360	101	V
6	9.938	29.26	PK	37	-24.6	41.66	-	-	-	-	68.2	-26.54	0-360	199	V

PK - Peak detector

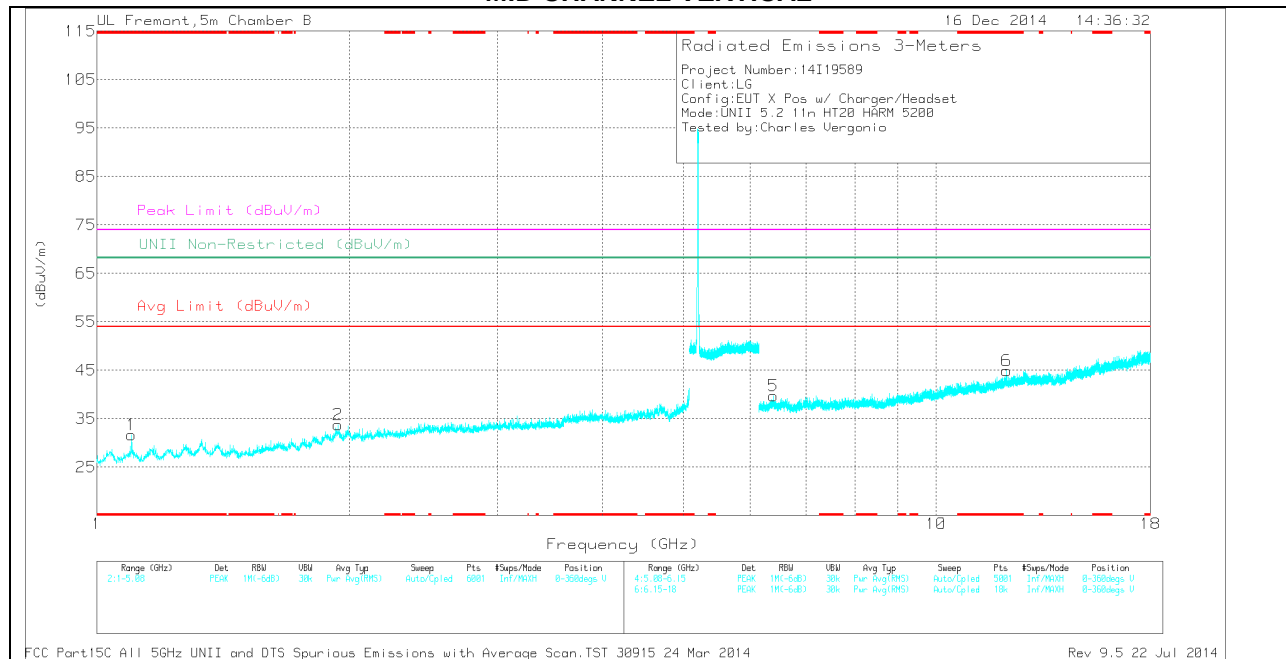
FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

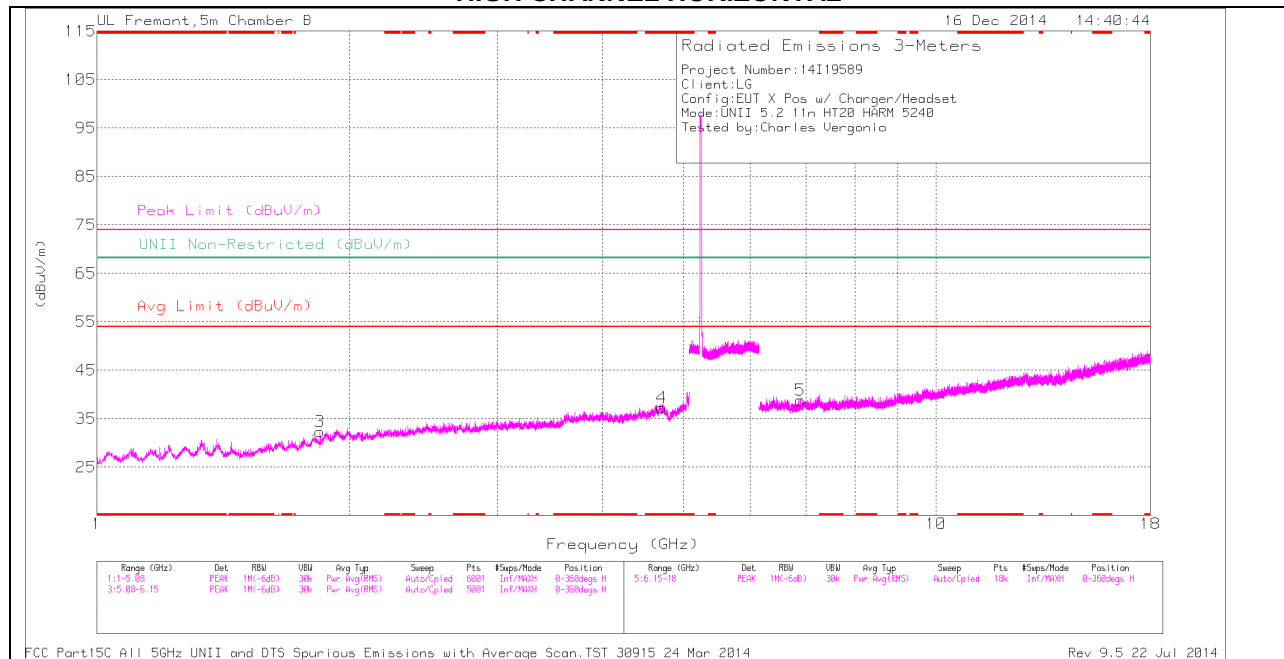
TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Flt r/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.015	33.79	PK	34.2	-28.6	39.39	-	-	74	-34.61	-	-	0-360	200	H
1	* 1.1	38.68	PK	27.4	-34.4	31.68	-	-	74	-42.32	-	-	0-360	100	V
6	* 12.133	28.26	PK	38.9	-22.2	44.96	-	-	74	-29.04	-	-	0-360	199	V
2	1.938	35.1	PK	31.2	-32.6	33.7	-	-	-	-	68.2	-34.5	0-360	199	V
3	2.539	34.45	PK	32.5	-32.7	34.25	-	-	-	-	68.2	-33.95	0-360	100	H
5	6.397	32.31	PK	35.6	-28.2	39.71	-	-	-	-	68.2	-28.49	0-360	101	V

PK - Peak detector

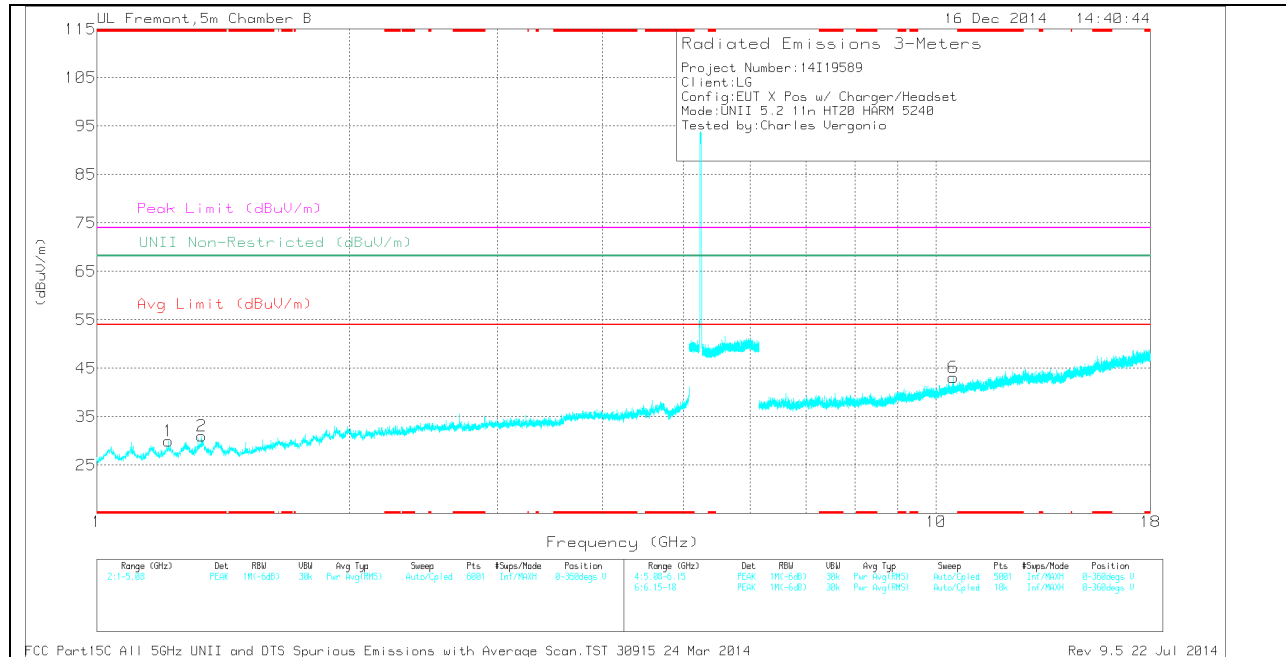
FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

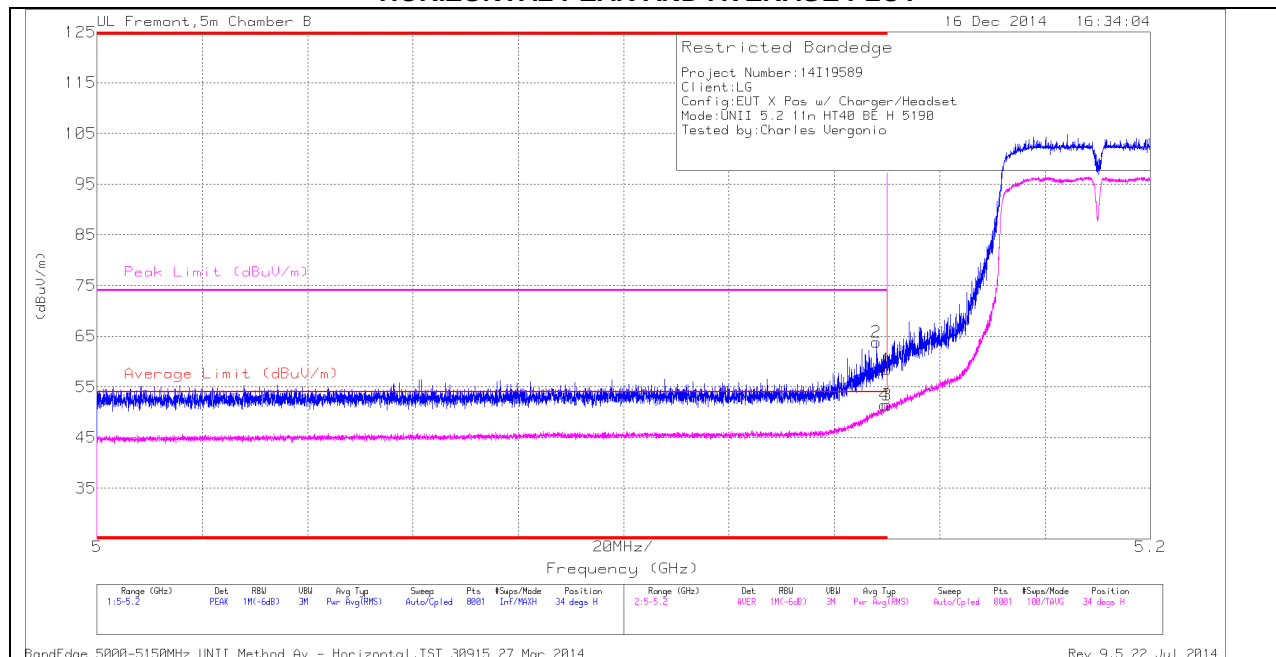
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Ampl/Cbll/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4.711	33.23	PK	34.2	-30.2	37.23	-	-	74	-36.77	-	-	0-360	200	H
1	* 1.216	36.34	PK	28.3	-34.6	30.04	-	-	74	-43.96	-	-	0-360	101	V
2	* 1.334	36.16	PK	28.7	-33.8	31.06	-	-	74	-42.94	-	-	0-360	200	V
3	1.845	35.2	PK	30.6	-33.5	32.3	-	-	-	-	68.2	-35.9	0-360	200	H
5	6.893	31.66	PK	35.6	-28.4	38.86	-	-	-	-	68.2	-29.34	0-360	200	H
6	10.48	29.79	PK	37.4	-24.1	43.09	-	-	-	-	68.2	-25.11	0-360	200	V

PK - Peak detector

FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

11.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

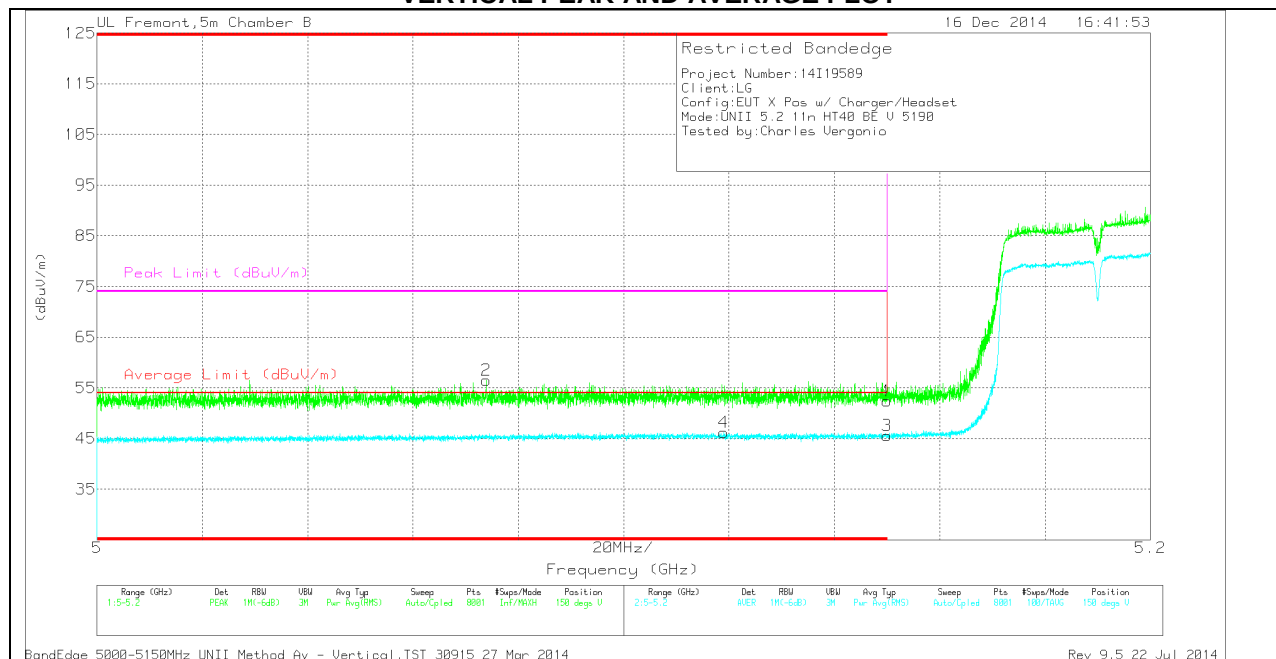
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/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	* 5.148	50.03	PK	34.3	-20.5	0	63.83	-	-	74	-10.17	34	214	H
1	* 5.15	44.63	PK	34.3	-20.5	0	58.43	-	-	74	-15.57	34	214	H
3	* 5.15	37.11	RMS	34.3	-20.5	.49	51.4	54	-2.6	-	-	34	214	H
4	* 5.15	37.07	RMS	34.3	-20.5	.49	51.36	54	-2.64	-	-	34	214	H

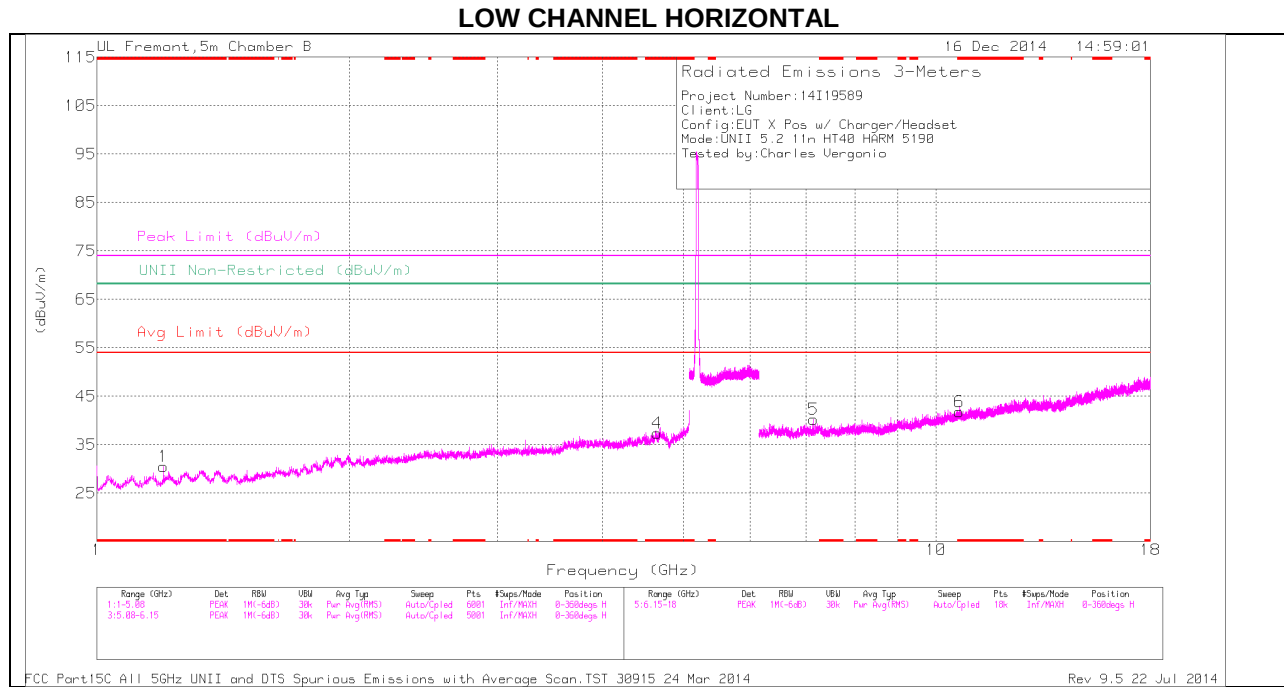
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

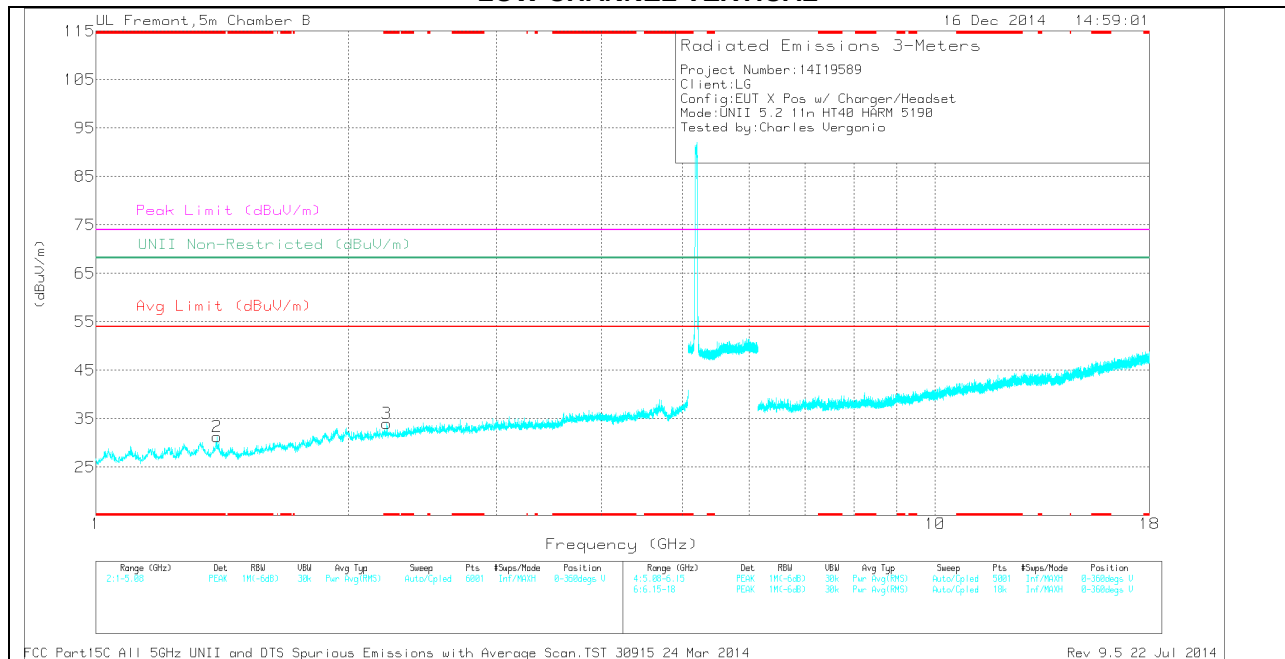
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.074	42.73	PK	34.2	-20.4	0	56.53	-	-	74	-17.47	150	188	V
4	* 5.119	31.88	RMS	34.3	-20.5	.49	46.17	54	-7.83	-	-	150	188	V
1	* 5.15	38.61	PK	34.3	-20.5	0	52.41	-	-	74	-21.59	150	188	V
3	* 5.15	31.3	RMS	34.3	-20.5	.49	45.59	54	-8.41	-	-	150	188	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

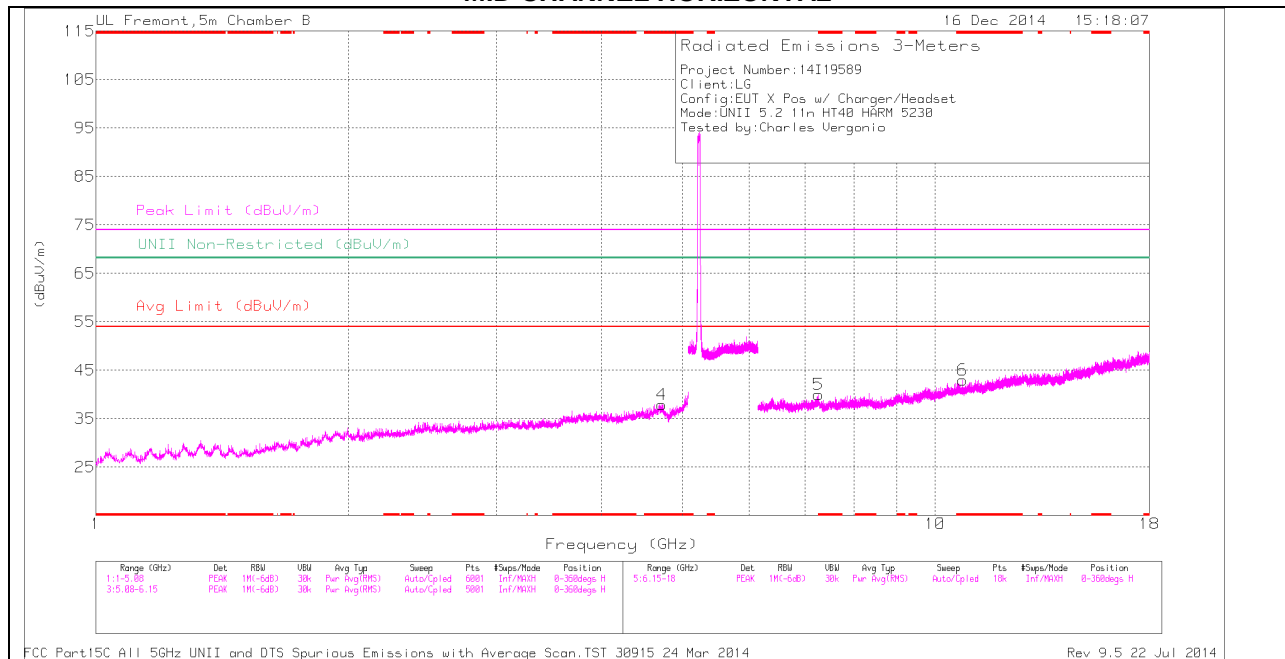
TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dBm)	Ampl/CbI/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.201	36.88	PK	28.2	-34.6	30.48	-	-	74	-43.52	-	-	0-360	200	H
2	* 1.394	36.45	PK	28.5	-33.7	31.25	-	-	74	-42.75	-	-	0-360	101	V
6	* 10.644	27.06	PK	37.7	-23	41.76	-	-	74	-32.24	-	-	0-360	200	H
3	* 2.222	35.07	PK	31.4	-32.4	34.07	-	-	74	-39.93	-	-	0-360	101	V
4	* 4.647	32.59	PK	34.2	-29.4	37.39	-	-	74	-36.61	-	-	0-360	200	H
5	7.137	32.96	PK	35.6	-28.3	40.26	-	-	-	-	68.2	-27.94	0-360	200	H

PK - Peak detector

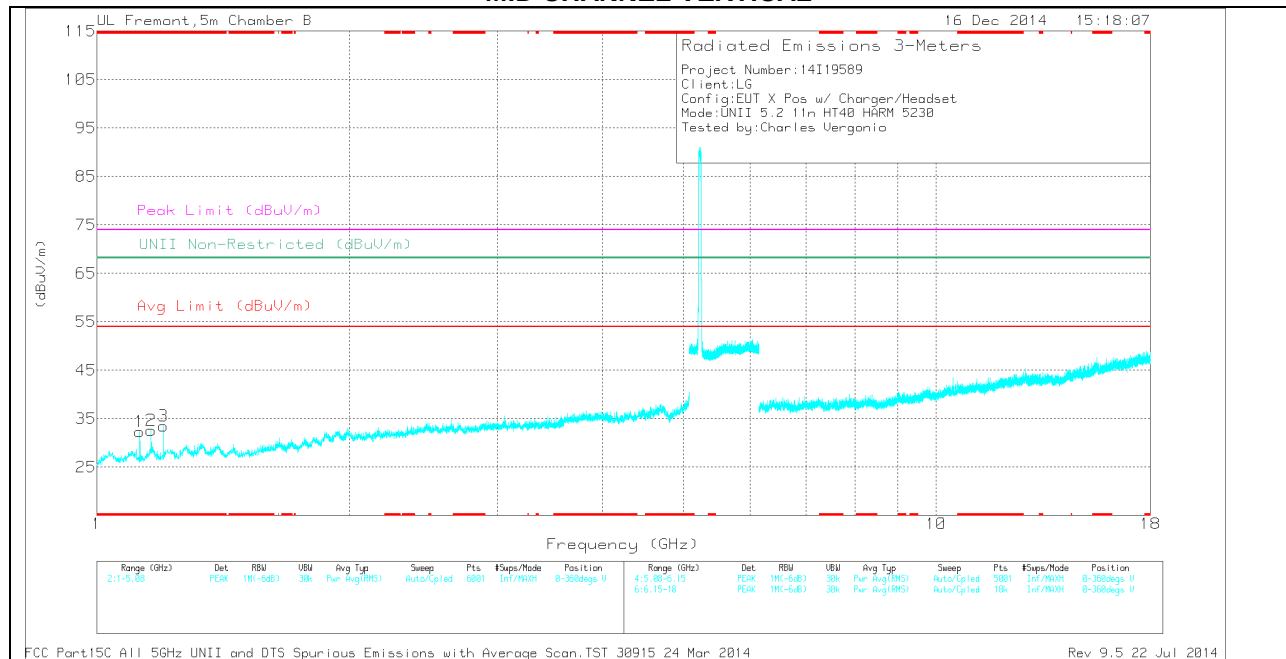
FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cb/Flt r/Pad (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.124	39.24	PK	27.6	-34.5	32.34	-	-	74	-41.66	-	-	0-360	199	V
2	* 1.16	39.18	PK	27.9	-34.5	32.58	-	-	74	-41.42	-	-	0-360	101	V
3	* 1.2	39.87	PK	28.2	-34.6	33.47	-	-	74	-40.53	-	-	0-360	101	V
6	* 10.794	28.98	PK	37.8	-23.8	42.98	-	-	74	-31.02	-	-	0-360	199	H
4	* 4.726	33.71	PK	34.2	-30	37.91	-	-	74	-36.09	-	-	0-360	199	H
5	* 7.26	31.21	PK	35.6	-26.8	40.01	-	-	74	-33.99	-	-	0-360	101	H

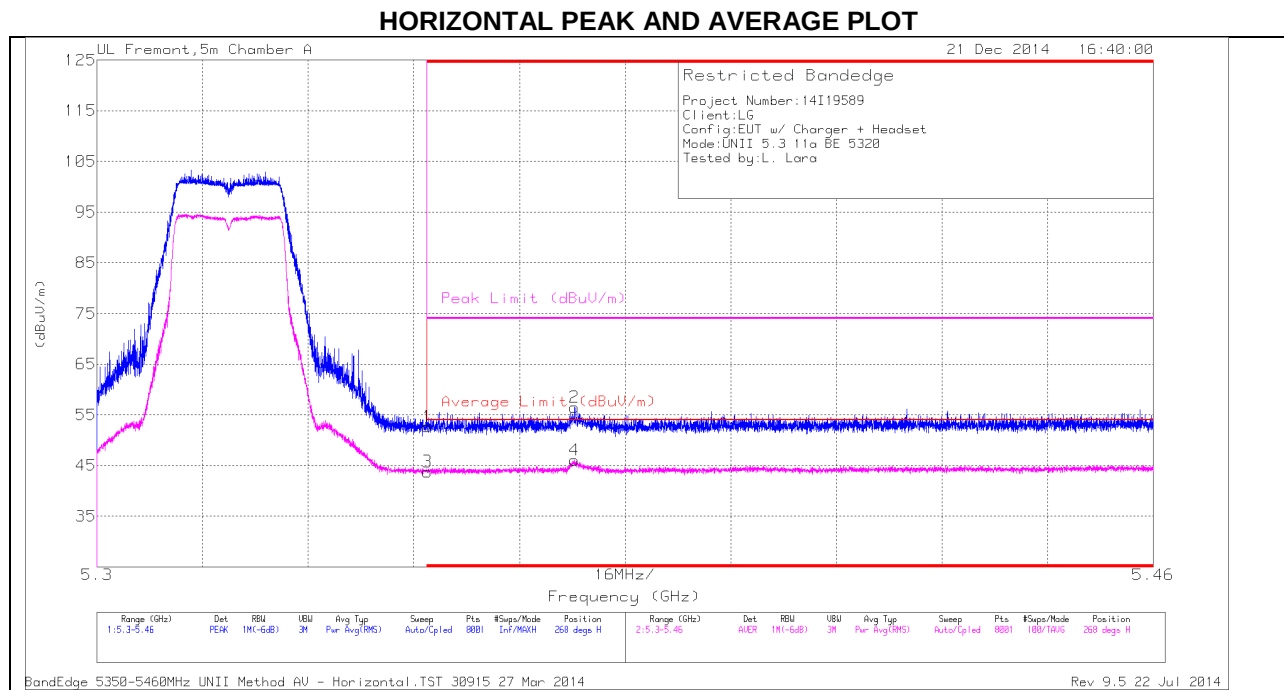
PK - Peak detector

FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

11.2. 5.3 GHz

11.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND

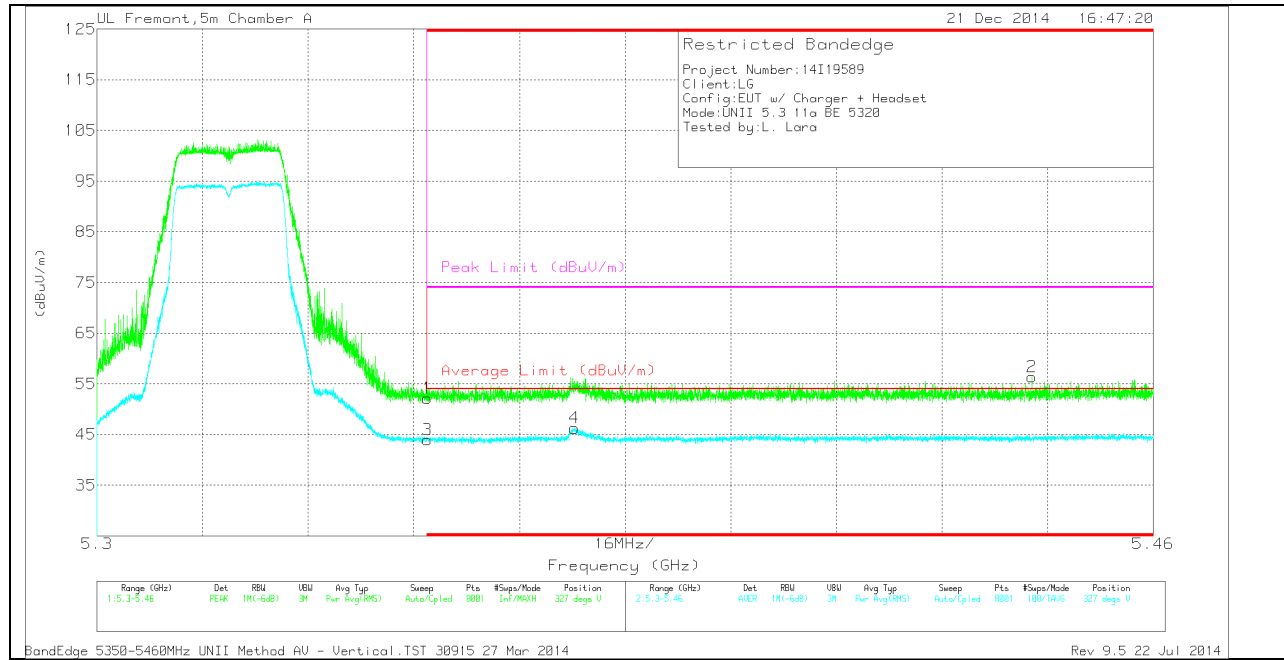
AUTHORIZED BANDEDGE (HIGH CHANNEL)



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/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	37.43	PK	34.3	-19.1	0	52.63	-	-	74	-21.37	268	244	H
3	* 5.35	28.36	RMS	34.3	-19.1	.21	43.77	54	-10.23	-	-	268	244	H
2	* 5.372	41.01	PK	34.3	-18.8	0	56.51	-	-	74	-17.49	268	244	H
4	* 5.372	30.39	RMS	34.3	-18.8	.21	46.1	54	-7.9	-	-	268	244	H

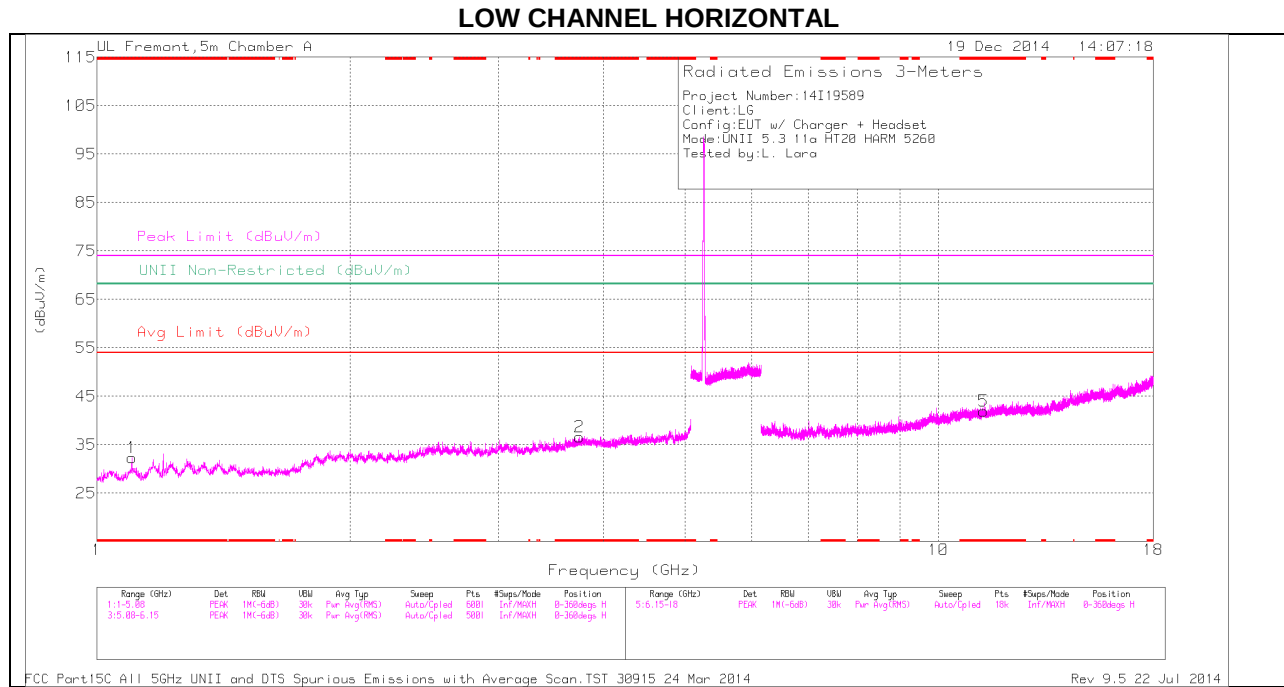
VERTICAL PEAK AND AVERAGE PLOT



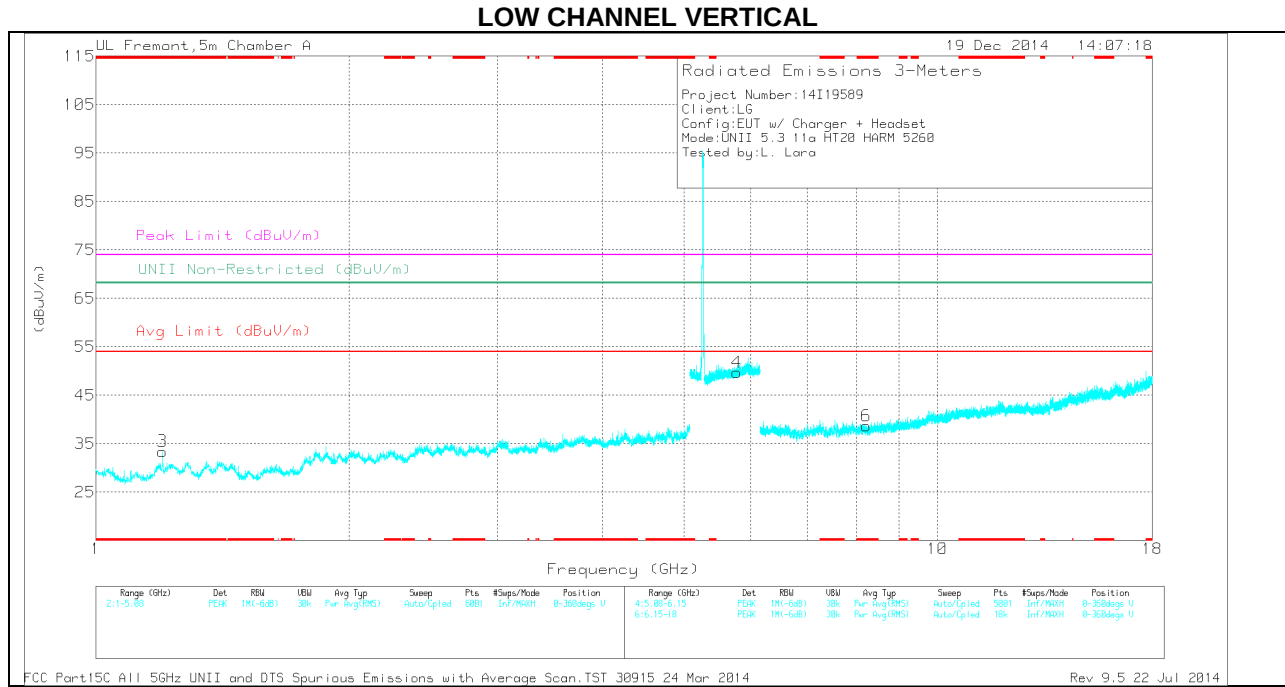
VERTICAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.93	PK	34.3	-19.1	0	52.13	-	-	74	-21.87	327	295	V
3	* 5.35	28.58	RMS	34.3	-19.1	.21	43.99	54	-10.01	-	-	327	295	V
4	* 5.372	30.55	RMS	34.3	-18.8	.21	46.26	54	-7.74	-	-	327	295	V
2	* 5.442	40.77	PK	34.4	-18.8	0	56.37	-	-	74	-17.63	327	295	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.1	37.78	PK	28.4	-33.9	0	32.28	-	-	74	-41.72	-	-	0-360	100	H
2	* 3.744	32.62	PK	33.5	-29.5	0	36.62	-	-	74	-37.38	-	-	0-360	201	H
3	* 1.2	37.83	PK	29.3	-33.7	0	33.43	-	-	74	-40.57	-	-	0-360	100	V
5	*	25.25	PK	38	-21.3	0	41.95	-	-	74	-32.05	-	-	0-360	100	H
	11.313															
6	* 8.235	28.42	PK	35.6	-25.3	0	38.72	-	-	74	-35.28	-	-	0-360	201	V
4	5.776	34.06	PK	34.7	-19	0	49.76	-	-	-	-	68.2	-18.44	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Radiated Emissions

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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
* 11.315	32.83	PK1	38	-21.3	0	49.53	-	-	74	-24.47	-	-	359	100	H
* 11.313	22.26	AD1	38	-21.3	.21	39.17	54	-14.83	-	-	-	-	359	100	H

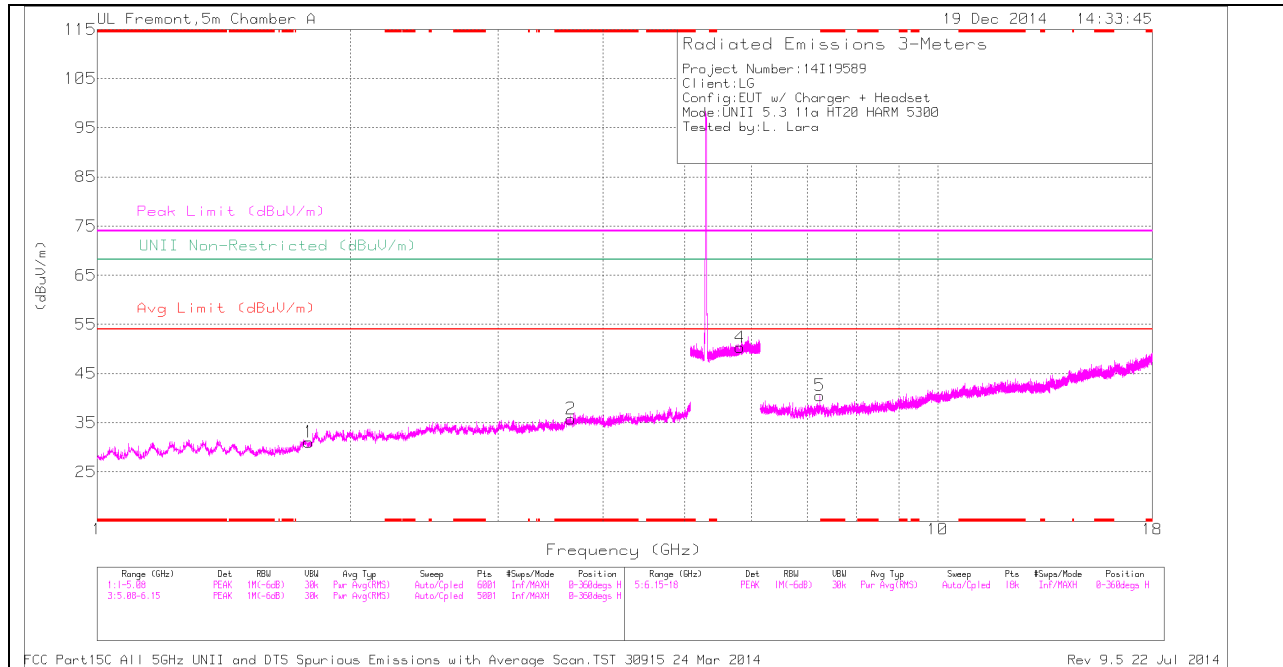
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

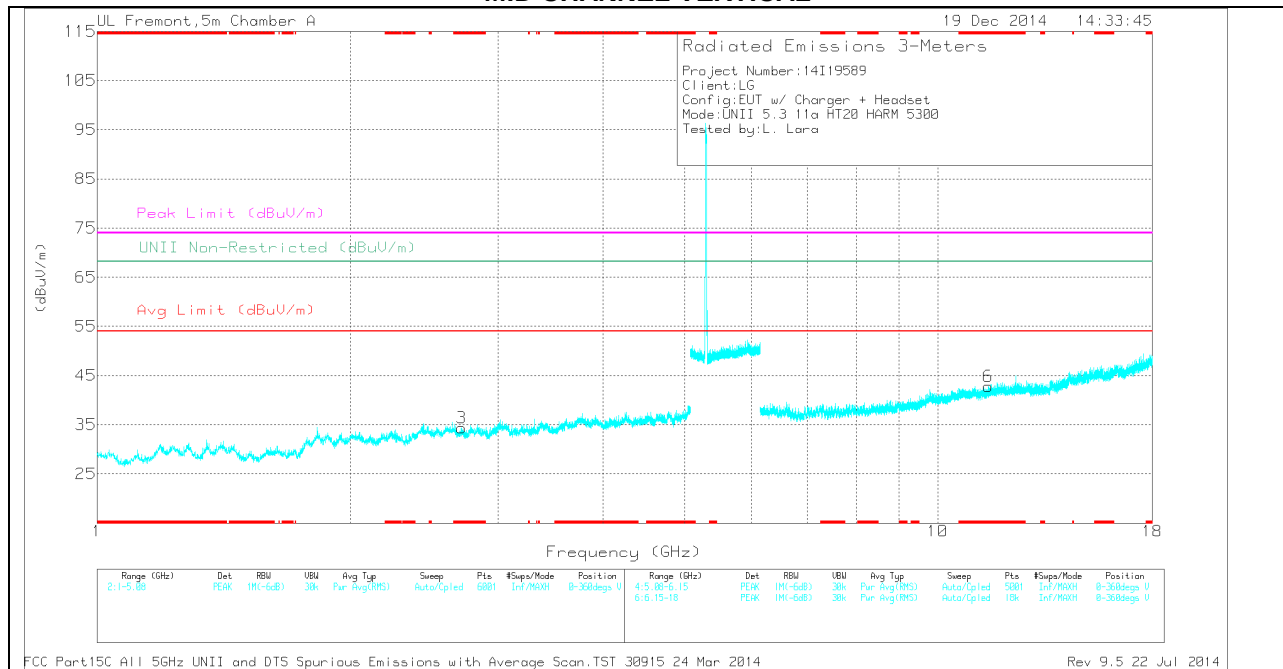
FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.664	32.88	PK	33.3	-30.4	0	35.78	-	-	74	-38.22	-	-	0-360	201	H
3	* 2.715	32.93	PK	32.7	-31.3	0	34.33	-	-	74	-39.67	-	-	0-360	201	V
6	* 11.487	26.27	PK	38.3	-21.8	0	42.77	-	-	74	-31.23	-	-	0-360	201	V
1	1.785	32.98	PK	30.3	-32.2	0	31.08	-	-	-	-	68.2	-37.12	0-360	100	H
4	5.82	34.09	PK	34.8	-18.6	0	50.29	-	-	-	-	68.2	-17.91	0-360	201	H
5	7.242	30.13	PK	35.2	-24.8	0	40.53	-	-	-	-	68.2	-27.67	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Radiated Emissions

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/F tr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.488	33.58	PK1	38.3	-21.8	0	50.08	-	-	74	-23.92	-	-	359	202	V
* 11.486	22.41	AD1	38.3	-21.8	.21	39.12	54	-14.88	-	-	-	-	359	202	V

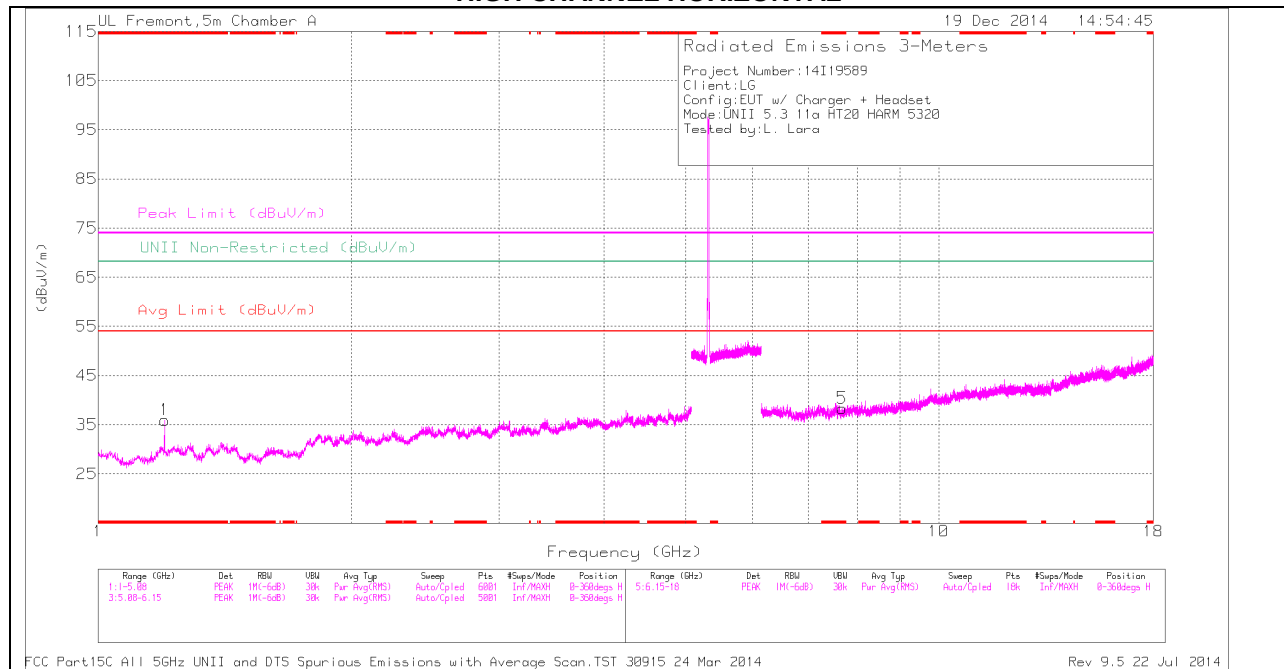
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

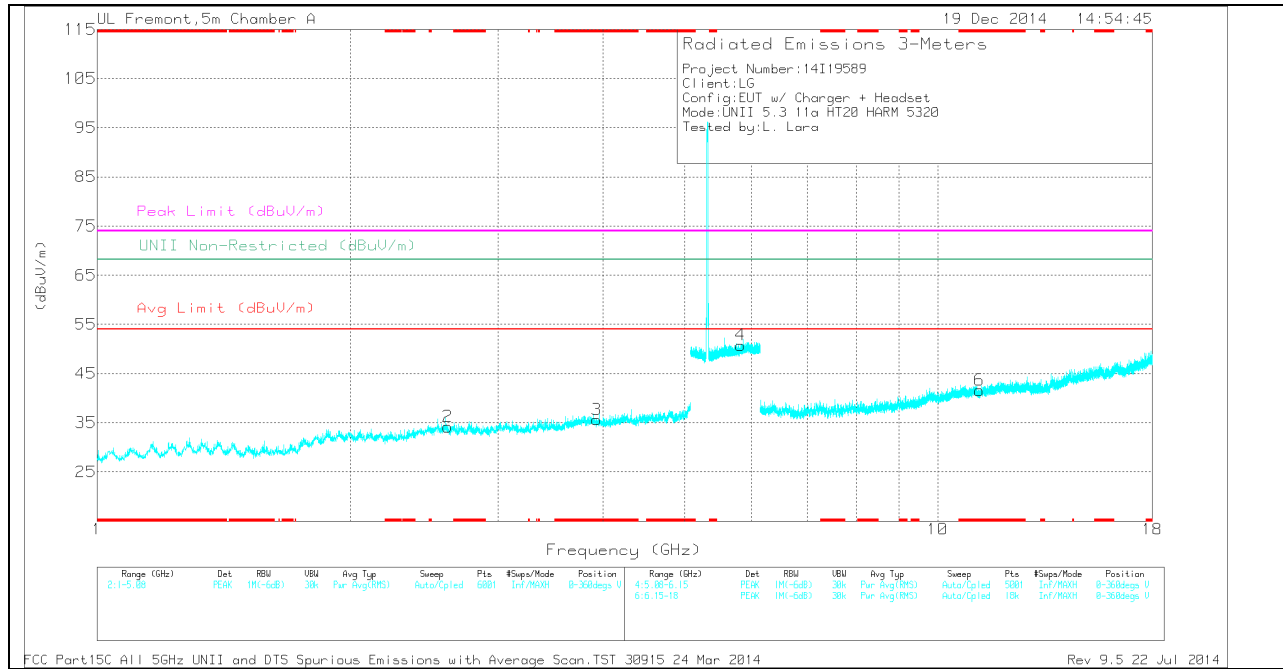
FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.2	40.36	PK	29.3	-33.7	0	35.96	-	-	74	-38.04	-	-	0-360	201	H
3	* 3.93	31.52	PK	33.8	-29.7	0	35.62	-	-	74	-38.38	-	-	0-360	201	V
5	* 7.681	28.95	PK	35.4	-26	0	38.35	-	-	74	-35.65	-	-	0-360	100	H
6	* 11.21	25.58	PK	37.8	-21.8	0	41.58	-	-	74	-32.42	-	-	0-360	100	V
2	2.615	32.99	PK	32.9	-31.7	0	34.19	-	-	-	-	68.2	-34.01	0-360	100	V
4	5.828	34.47	PK	34.8	-18.5	0	50.77	-	-	-	-	68.2	-17.43	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Radiated Emissions

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/F tr/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
* 11.21	33.2	PK1	37.8	-21.8	0	49.2	-	-	74	-24.8	-	-	359	100	V
* 11.209	22.55	AD1	37.8	-21.8	.21	38.76	54	-15.24	-	-	-	-	359	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

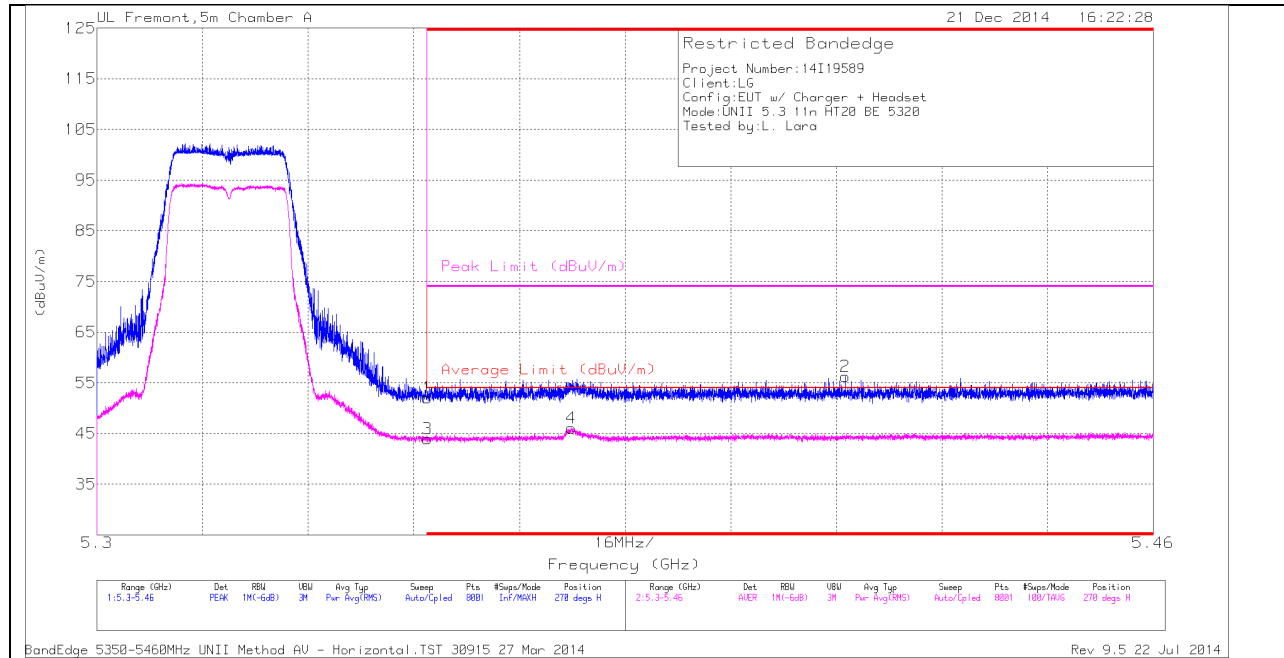
AD1 - KDB789033 Method: AD Primary Power Average

FCC Part15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

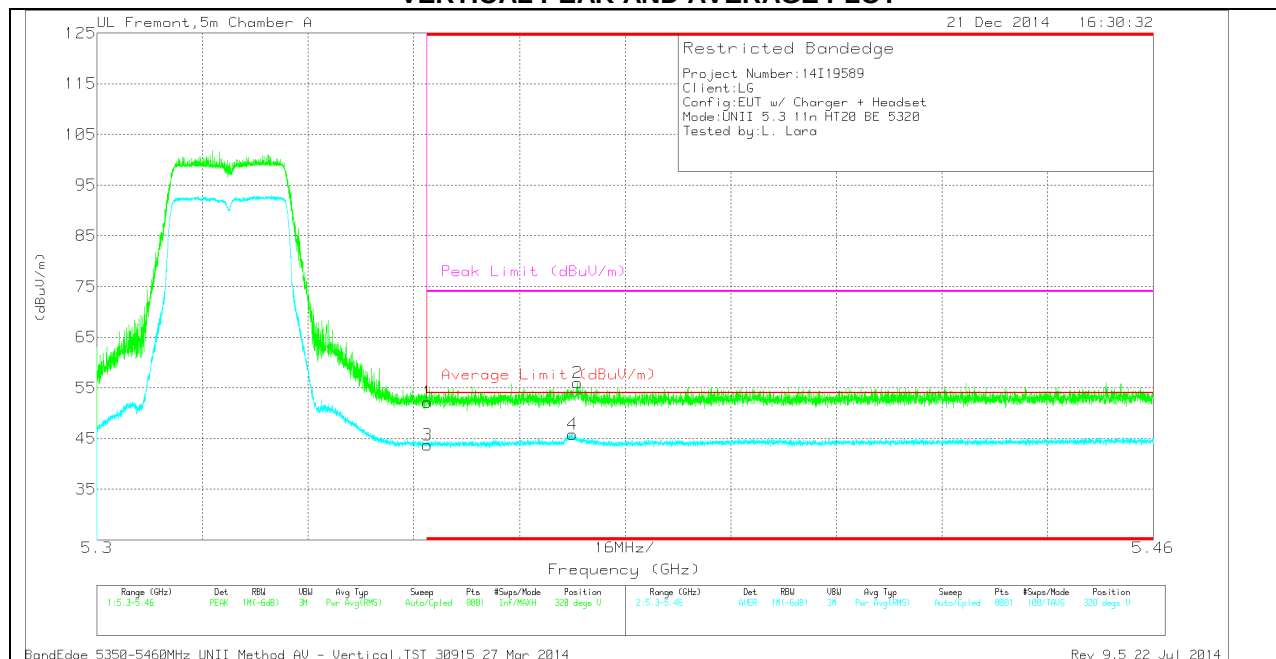
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.84	PK	34.3	-19.1	0	52.04	-	-	74	-21.96	270	245	H
3	* 5.35	28.51	RMS	34.3	-19.1	.24	43.95	54	-10.05	-	-	270	245	H
4	* 5.372	30.38	RMS	34.3	-18.8	.24	46.12	54	-7.88	-	-	270	245	H
2	* 5.413	40.62	PK	34.4	-18.8	0	56.22	-	-	74	-17.78	270	245	H

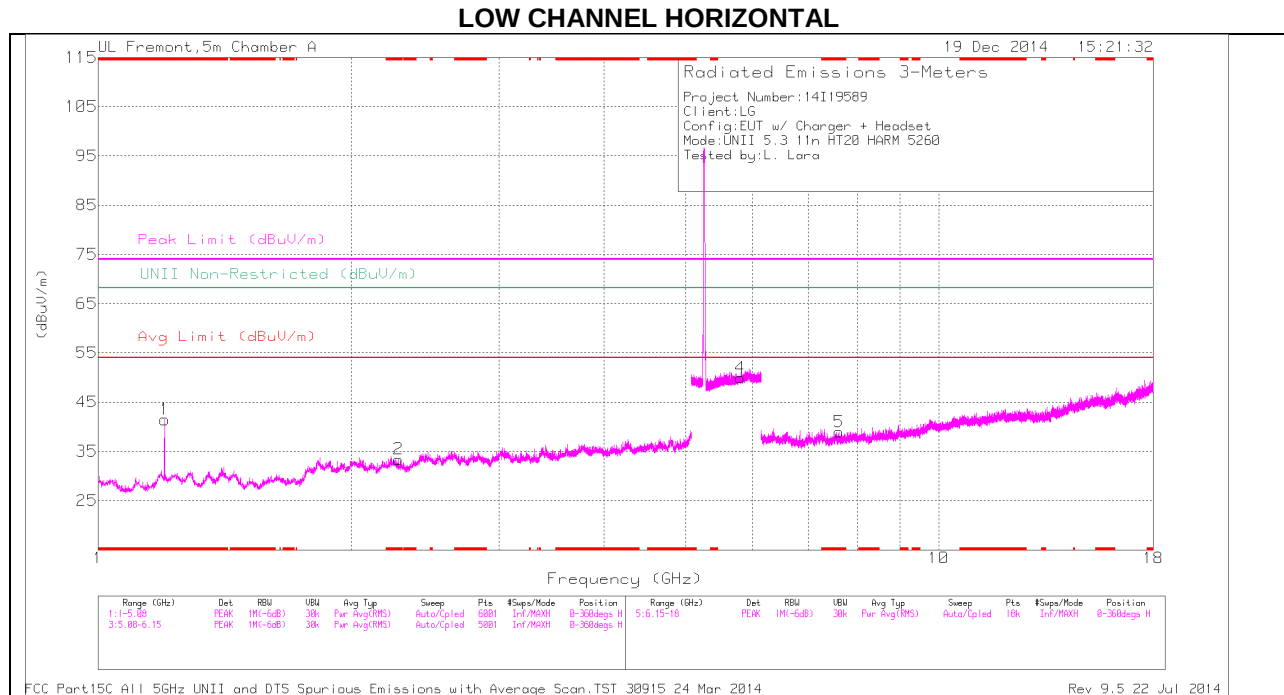
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

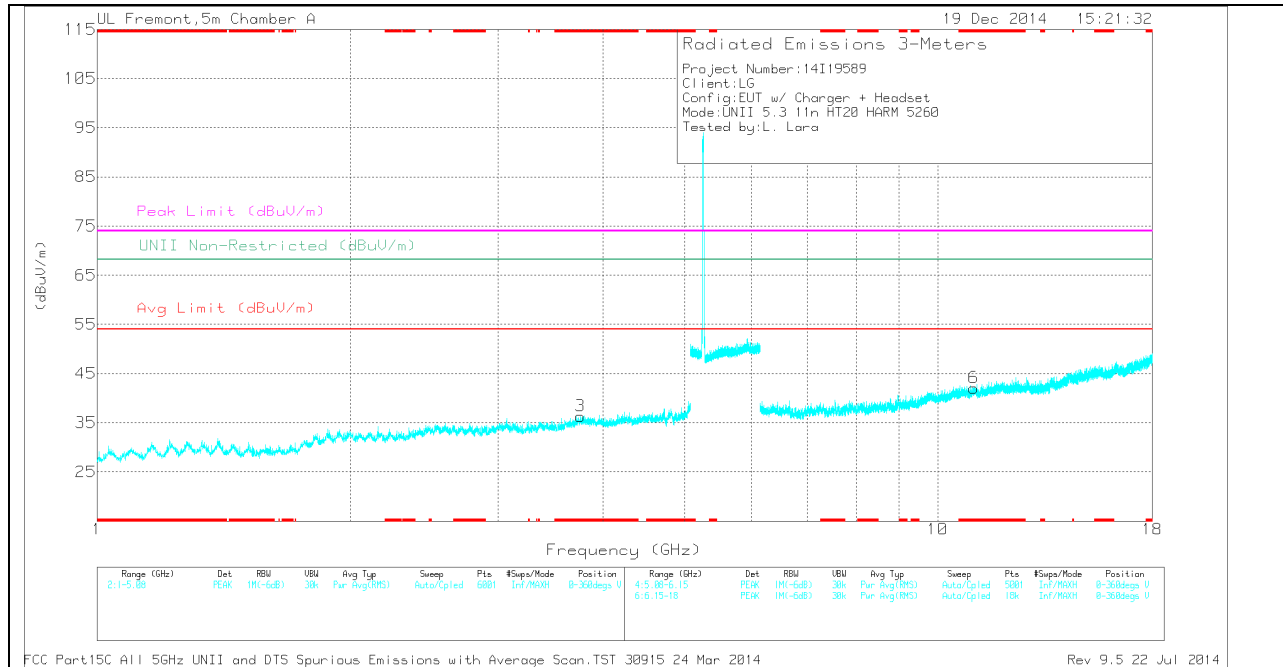
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.01	PK	34.3	-19.1	0	52.21	-	-	74	-21.79	320	273	V
3	* 5.35	28.23	RMS	34.3	-19.1	.24	43.67	54	-10.33	-	-	320	273	V
4	* 5.372	30.1	RMS	34.3	-18.8	.24	45.84	54	-8.16	-	-	320	273	V
2	* 5.373	40.64	PK	34.3	-18.9	0	56.04	-	-	74	-17.96	320	273	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftrtr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.1	37.78	PK	28.4	-33.9	0	32.28	-	-	74	-41.72	-	-	0-360	100	H
2	* 3.744	32.62	PK	33.5	-29.5	0	36.62	-	-	74	-37.38	-	-	0-360	201	H
3	* 1.2	37.83	PK	29.3	-33.7	0	33.43	-	-	74	-40.57	-	-	0-360	100	V
5	* 11.313	25.25	PK	38	-21.3	0	41.95	-	-	74	-32.05	-	-	0-360	100	H
6	* 8.235	28.42	PK	35.6	-25.3	0	38.72	-	-	74	-35.28	-	-	0-360	201	V
4	5.776	34.06	PK	34.7	-19	0	49.76	-	-	-	-	68.2	-18.44	0-360	201	V

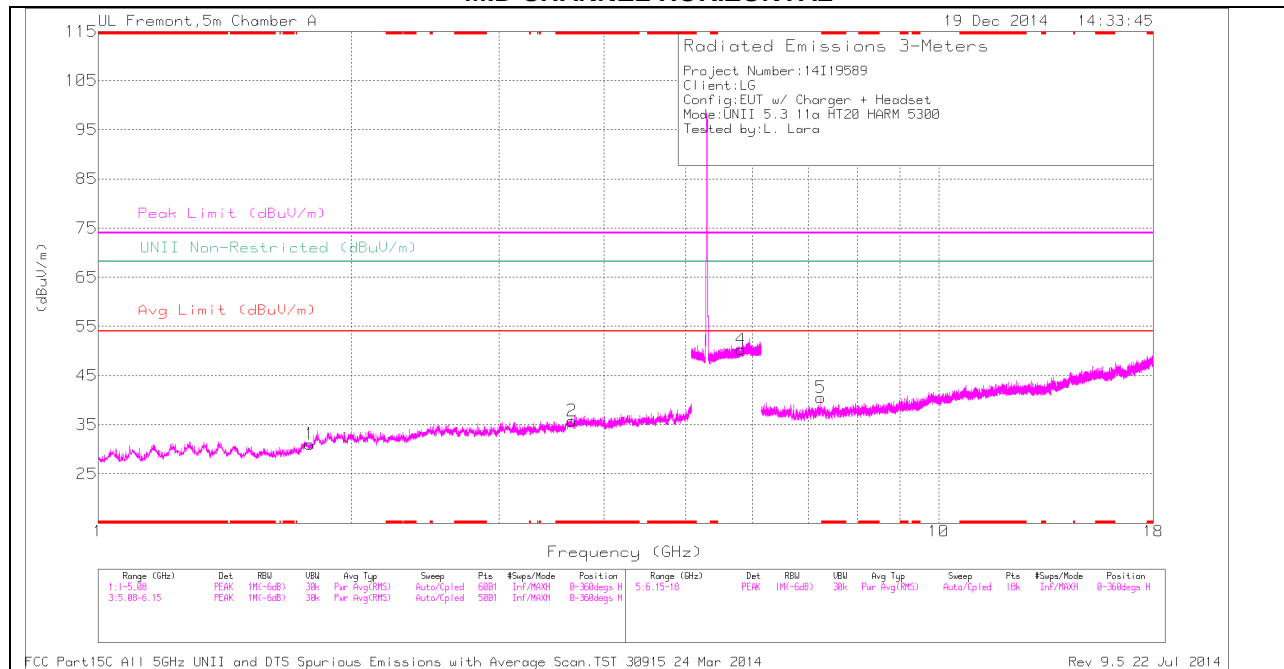
PK - Peak detector

RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftrtr/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
* 11.315	32.83	PK1	38	-21.3	0	49.53	-	-	74	-24.47	-	-	359	100	H
* 11.313	22.26	AD1	38	-21.3	.21	39.17	54	-14.83	-	-	-	-	359	100	H

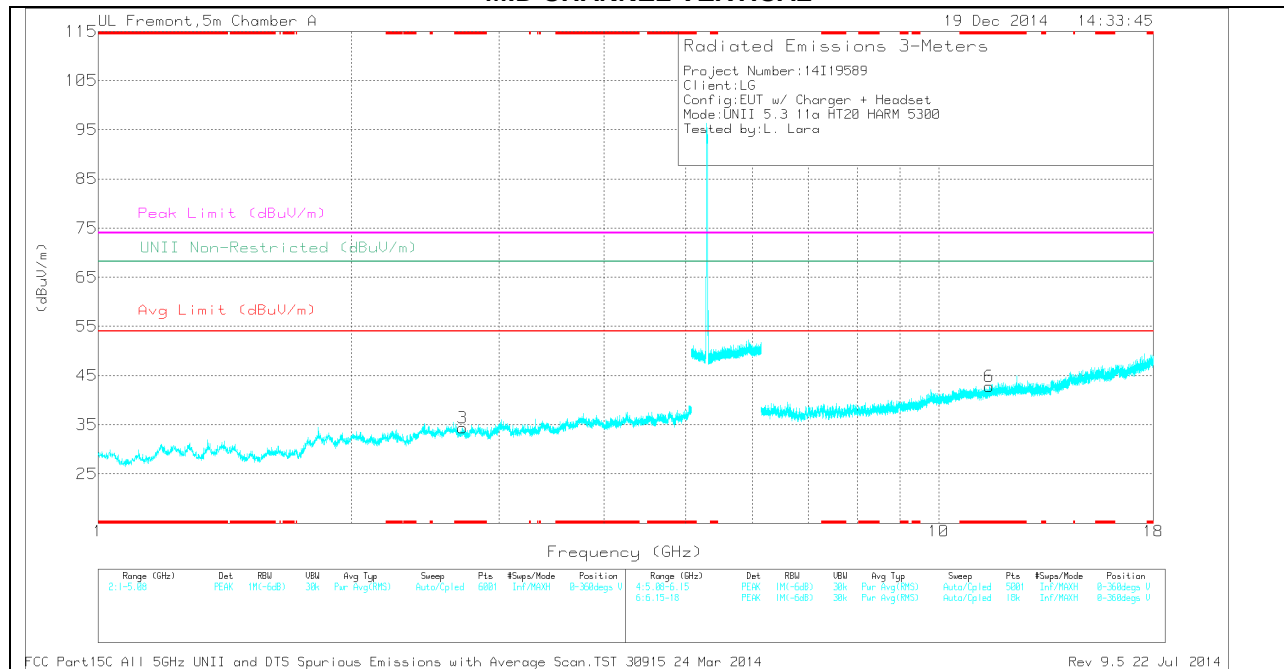
FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.664	32.88	PK	33.3	-30.4	0	35.78	-	-	74	-38.22	-	-	0-360	201	H
3	* 2.715	32.93	PK	32.7	-31.3	0	34.33	-	-	74	-39.67	-	-	0-360	201	V
6	*	26.27	PK	38.3	-21.8	0	42.77	-	-	74	-31.23	-	-	0-360	201	V
	11.487															
1	1.785	32.98	PK	30.3	-32.2	0	31.08	-	-	-	-	68.2	-37.12	0-360	100	H
4	5.82	34.09	PK	34.8	-18.6	0	50.29	-	-	-	-	68.2	-17.91	0-360	201	H
5	7.242	30.13	PK	35.2	-24.8	0	40.53	-	-	-	-	68.2	-27.67	0-360	100	H

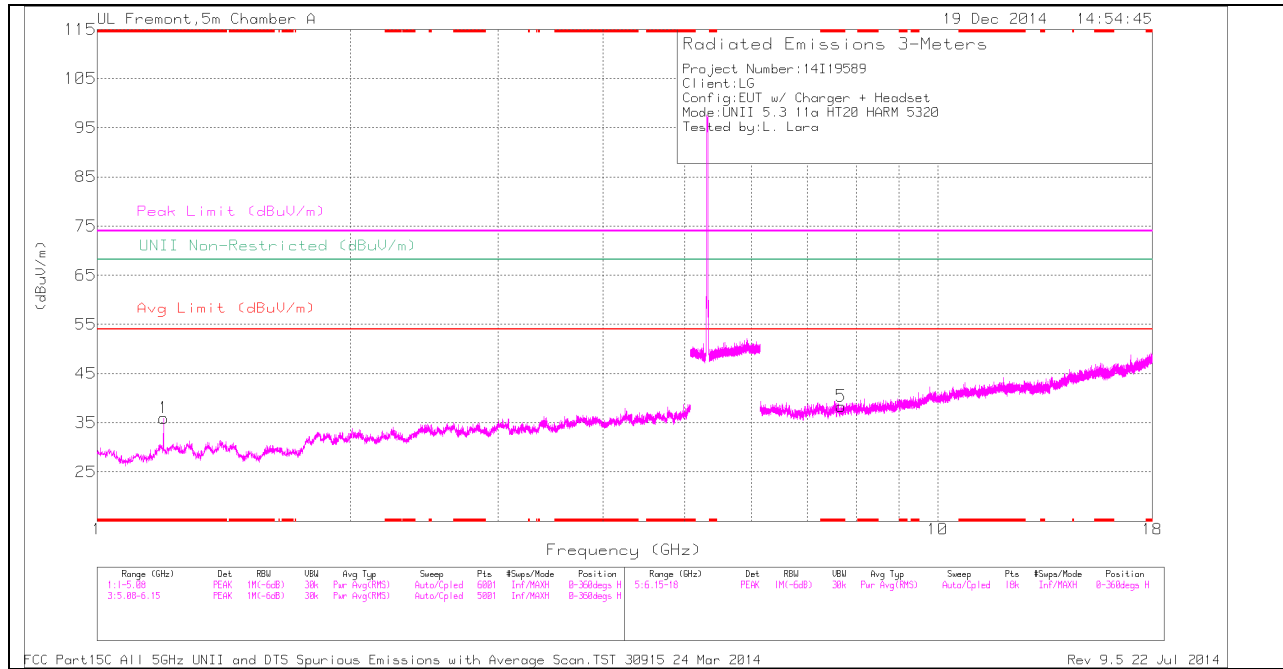
PK - Peak detector

RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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
* 11.488	33.58	PK1	38.3	-21.8	0	50.08	-	-	74	-23.92	-	-	359	202	V
* 11.486	22.41	AD1	38.3	-21.8	.21	39.12	54	-14.88	-	-	-	-	359	202	V

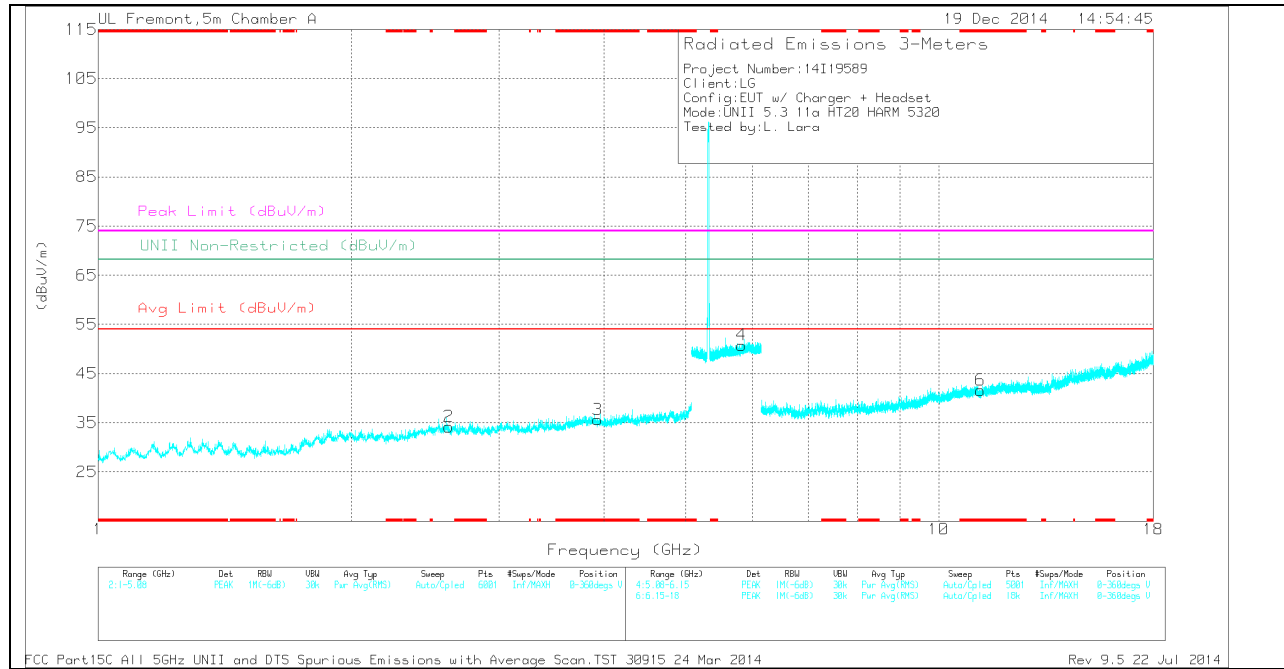
FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.2	40.36	PK	29.3	-33.7	0	35.96	-	-	74	-38.04	-	-	0-360	201	H
3	* 3.93	31.52	PK	33.8	-29.7	0	35.62	-	-	74	-38.38	-	-	0-360	201	V
5	* 7.681	28.95	PK	35.4	-26	0	38.35	-	-	74	-35.65	-	-	0-360	100	H
6	* 11.21	25.58	PK	37.8	-21.8	0	41.58	-	-	74	-32.42	-	-	0-360	100	V
2	2.615	32.99	PK	32.9	-31.7	0	34.19	-	-	-	-	68.2	-34.01	0-360	100	V
4	5.828	34.47	PK	34.8	-18.5	0	50.77	-	-	-	-	68.2	-17.43	0-360	100	V

PK - Peak detector

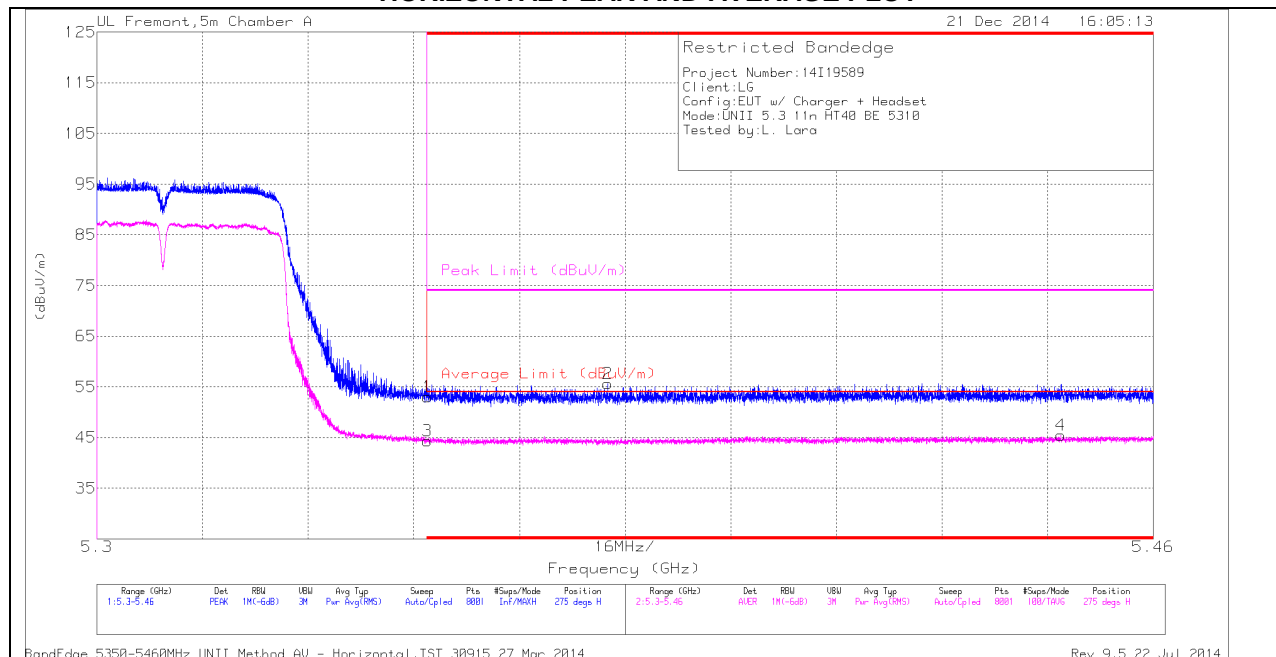
RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/F tr/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
* 11.21	33.2	PK1	37.8	-21.8	0	49.2	-	-	74	-24.8	-	-	359	100	V
* 11.209	22.55	AD1	37.8	-21.8	.21	38.76	54	-15.24	-	-	-	-	359	100	V

FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

11.2.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

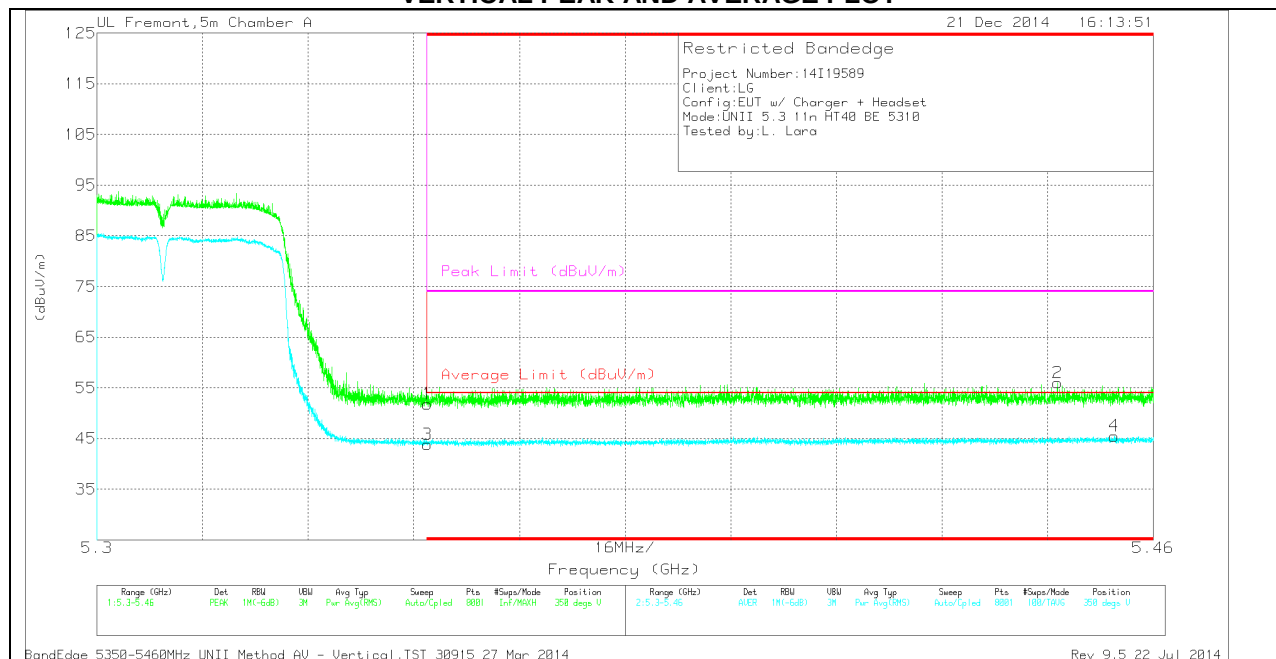
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.78	PK	34.3	-19.1	0	52.98	-	-	74	-21.02	275	179	H
2	* 5.377	40.36	PK	34.3	-19	0	55.66	-	-	74	-18.34	275	179	H
3	* 5.35	28.7	RMS	34.3	-19.1	.47	44.37	54	-9.63	-	-	275	179	H
4	* 5.446	29.27	RMS	34.4	-18.7	.47	45.44	54	-8.56	-	-	275	179	H

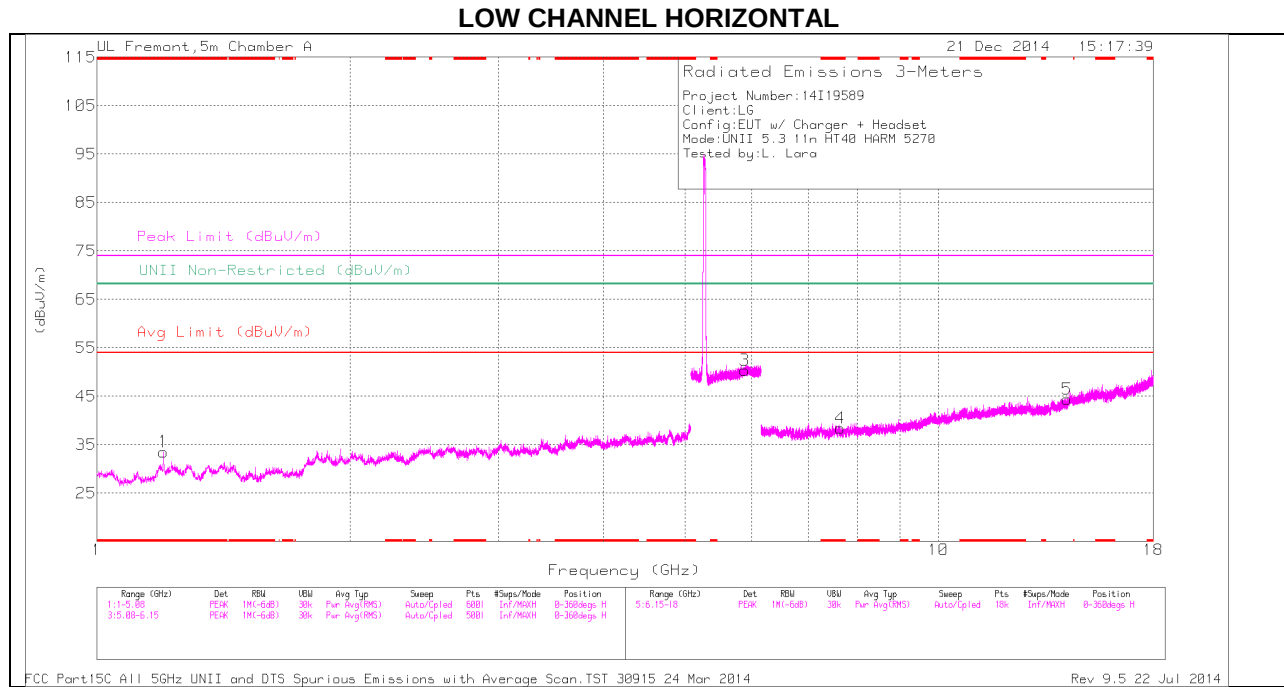
VERTICAL PEAK AND AVERAGE PLOT



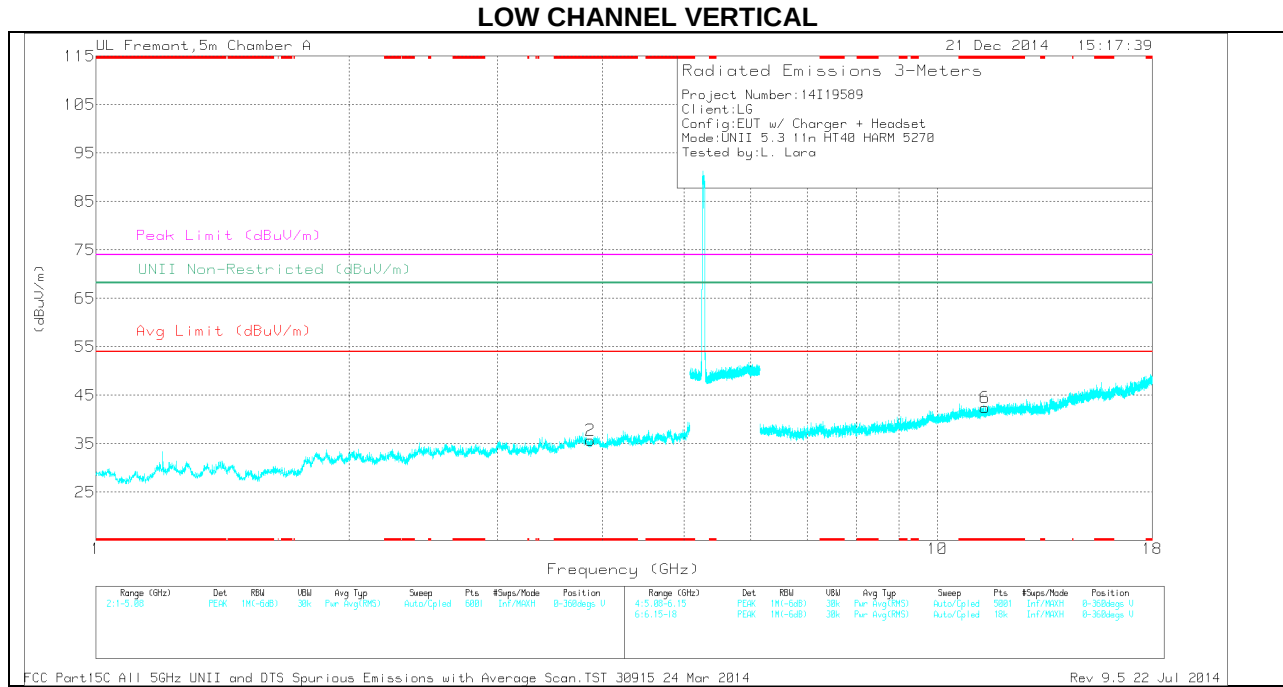
VERTICAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.64	PK	34.3	-19.1	0	51.84	-	-	74	-22.16	350	204	V
3	* 5.35	28.12	RMS	34.3	-19.1	.47	43.79	54	-10.21	-	-	350	204	V
2	* 5.445	40.25	PK	34.4	-18.7	0	55.95	-	-	74	-18.05	350	204	V
4	* 5.454	29.34	RMS	34.4	-18.7	.47	45.51	54	-8.49	-	-	350	204	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftrtr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.2	37.96	PK	29.3	-33.7	0	33.56	-	-	74	-40.44	-	-	0-360	201	H
2	* 3.868	31.96	PK	33.7	-29.9	0	35.76	-	-	74	-38.24	-	-	0-360	100	V
4	* 7.648	28.94	PK	35.4	-25.9	0	38.44	-	-	74	-35.56	-	-	0-360	201	H
6	* 11.389	26.26	PK	38.1	-21.9	0	42.46	-	-	74	-31.54	-	-	0-360	201	V
3	5.886	33.87	PK	35	-18.5	0	50.37	-	-	-	-	68.2	-17.83	0-360	100	H
5	14.207	27	PK	39.4	-22	0	44.4	-	-	-	-	68.2	-23.8	0-360	100	H

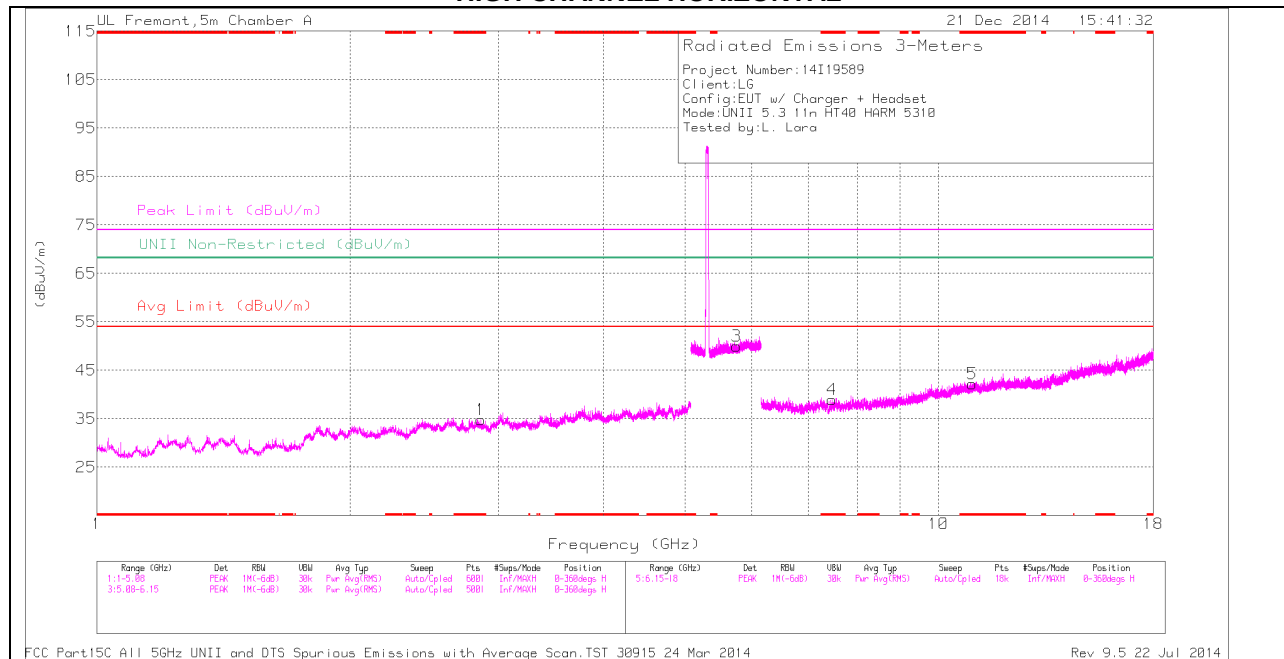
PK - Peak detector

RADIATED EMISSIONS

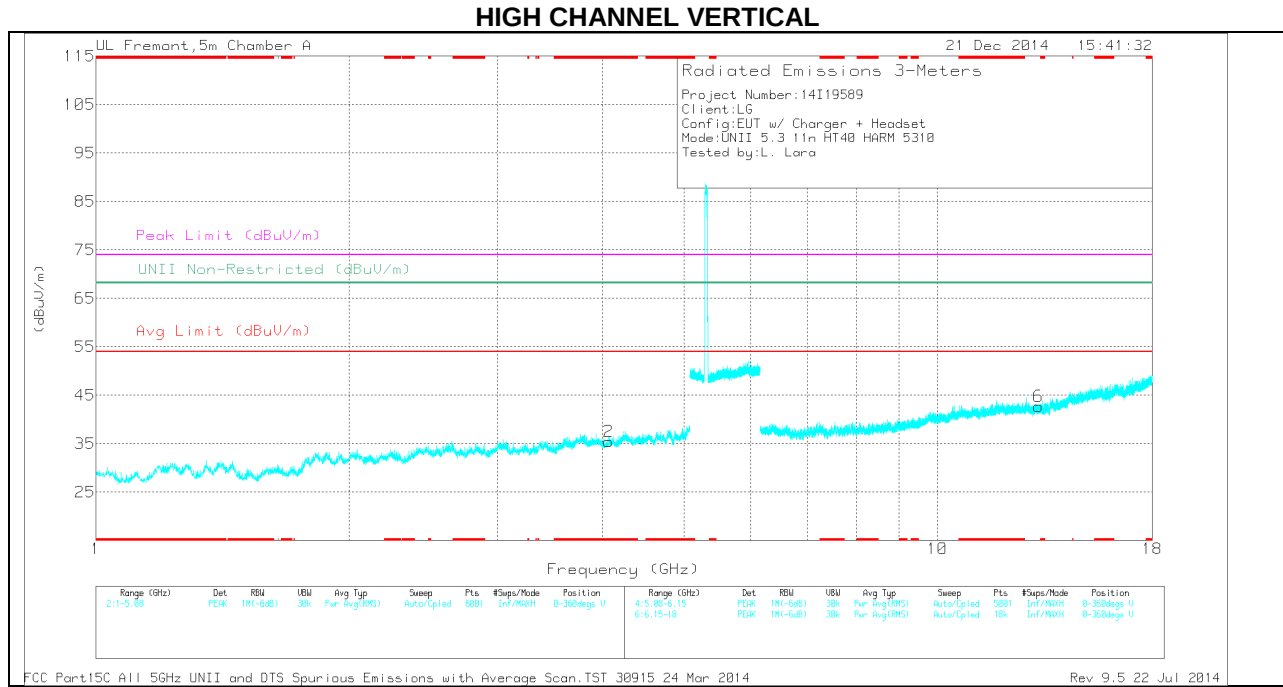
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftrtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.387	33.96	PK1	38.1	-21.9	0	50.16	-	-	74	-23.84	-	-	1	202	V
* 11.388	22.52	AD1	38.1	-21.9	.47	39.19	54	-14.81	-	-	-	-	1	202	V

FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Filtr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.856	33.91	PK	32.6	-31.7	0	34.81	-	-	74	-39.19	-	-	0-360	100	H
2	* 4.063	31.2	PK	33.8	-29.6	0	35.4	-	-	74	-38.6	-	-	0-360	201	V
4	* 7.471	29.12	PK	35.3	-25.5	0	38.92	-	-	74	-35.08	-	-	0-360	100	H
5	* 10.971	26.36	PK	37.8	-22	0	42.16	-	-	74	-31.84	-	-	0-360	201	H
3	5.756	34.41	PK	34.7	-19.1	0	50.01	-	-	-	-	68.2	-18.19	0-360	100	H
6	13.184	25.76	PK	39	-22.1	0	42.66	-	-	-	-	68.2	-25.54	0-360	201	V

PK - Peak detector

RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Filtr/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
* 10.971	33.29	PK1	37.8	-22	0	49.09	-	-	74	-24.91	-	-	1	202	H
* 10.97	22.84	AD1	37.8	-22	.47	39.11	54	-14.89	-	-	-	-	1	202	H

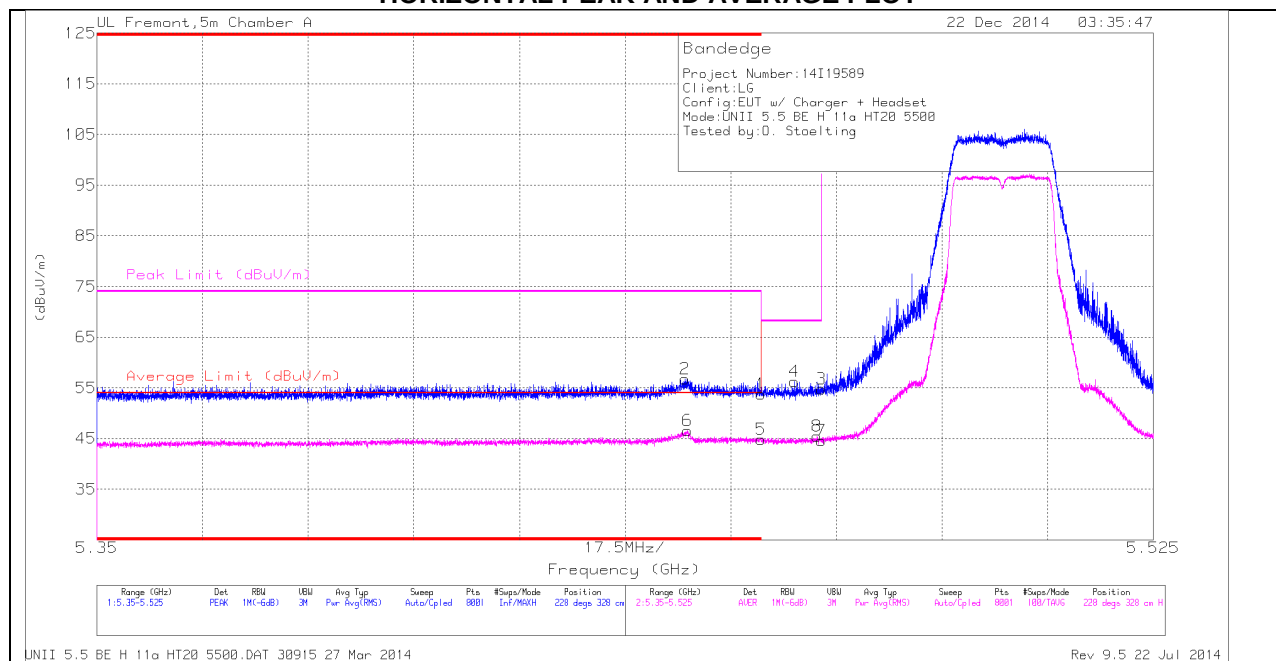
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11.3. 5.5-5.6 GHz

11.3.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.5 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

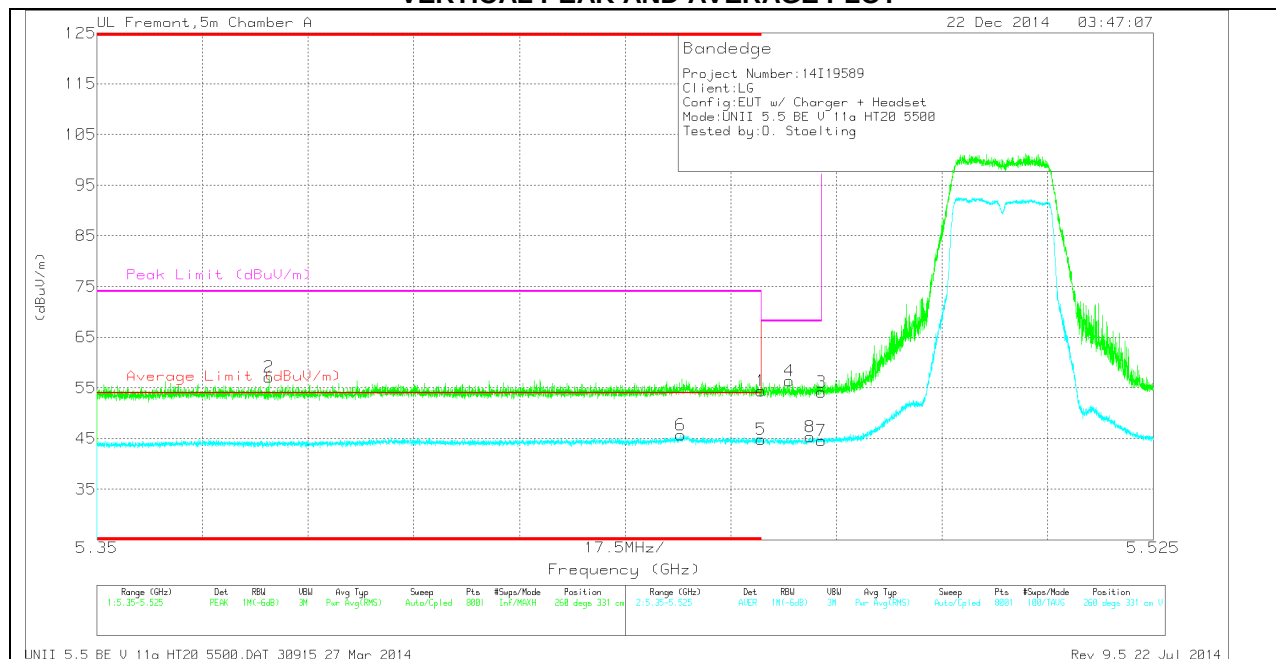
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/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	38.16	PK	34.4	-18.8	0	53.76	-	-	74	-20.24	228	328	H
2	* 5.447	41.09	PK	34.4	-18.7	0	56.79	-	-	74	-17.21	228	328	H
5	* 5.46	29.01	RMS	34.4	-18.8	.21	44.82	54	-9.18	-	-	228	328	H
6	* 5.448	30.68	RMS	34.4	-18.7	.21	46.59	54	-7.41	-	-	228	328	H
4	5.466	40.76	PK	34.4	-18.9	0	56.26	-	-	68.2	-11.94	228	328	H
8	5.469	29.78	RMS	34.4	-18.9	.21	45.49	-	-	-	-	228	328	H
3	5.47	39.26	PK	34.4	-18.9	0	54.76	-	-	68.2	-13.44	228	328	H
7	5.47	28.85	RMS	34.4	-18.9	.21	44.56	-	-	-	-	228	328	H

VERTICAL PEAK AND AVERAGE PLOT

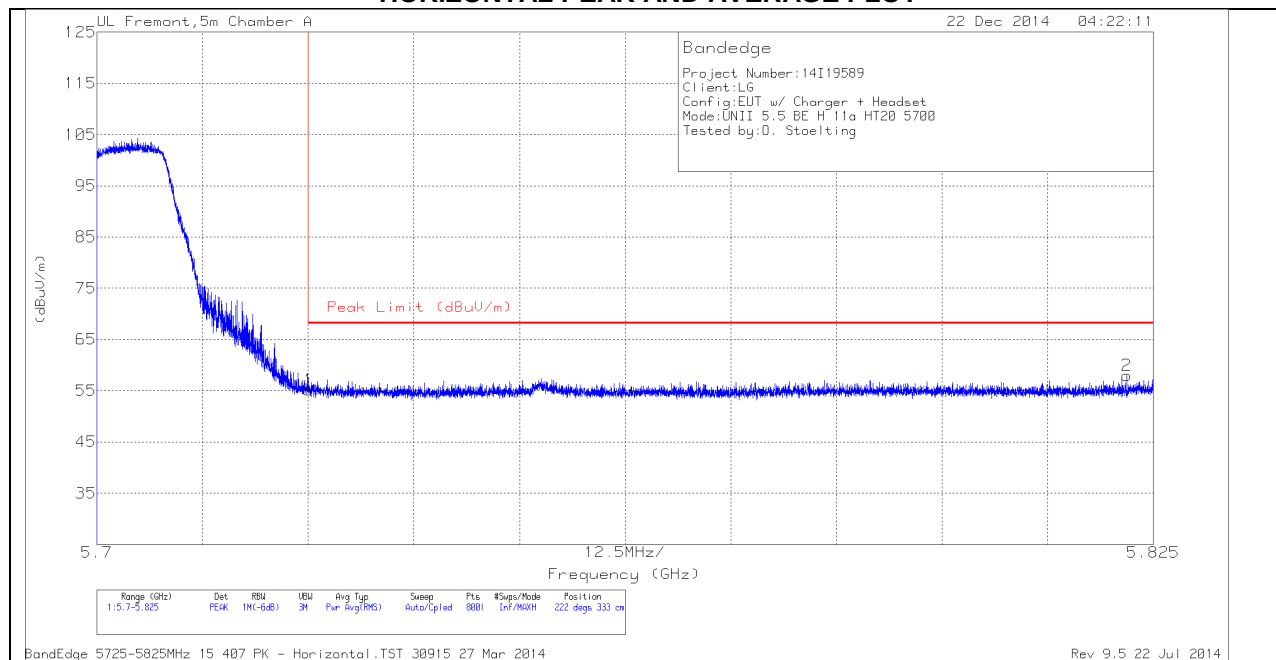


VERTICAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.82	PK	34.4	-18.8	0	54.42	-	-	74	-19.58	260	331	V
2	* 5.379	41.84	PK	34.3	-19	0	57.14	-	-	74	-16.86	260	331	V
5	* 5.46	29.03	RMS	34.4	-18.8	.21	44.84	54	-9.16	-	-	260	331	V
6	* 5.447	29.78	RMS	34.4	-18.7	.21	45.69	54	-8.31	-	-	260	331	V
4	5.465	40.9	PK	34.4	-18.9	0	56.4	-	-	68.2	-11.8	260	331	V
8	5.468	29.58	RMS	34.4	-18.9	.21	45.29	-	-	-	-	260	331	V
3	5.47	38.63	PK	34.4	-18.9	0	54.13	-	-	68.2	-14.07	260	331	V
7	5.47	28.82	RMS	34.4	-18.9	.21	44.53	-	-	-	-	260	331	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

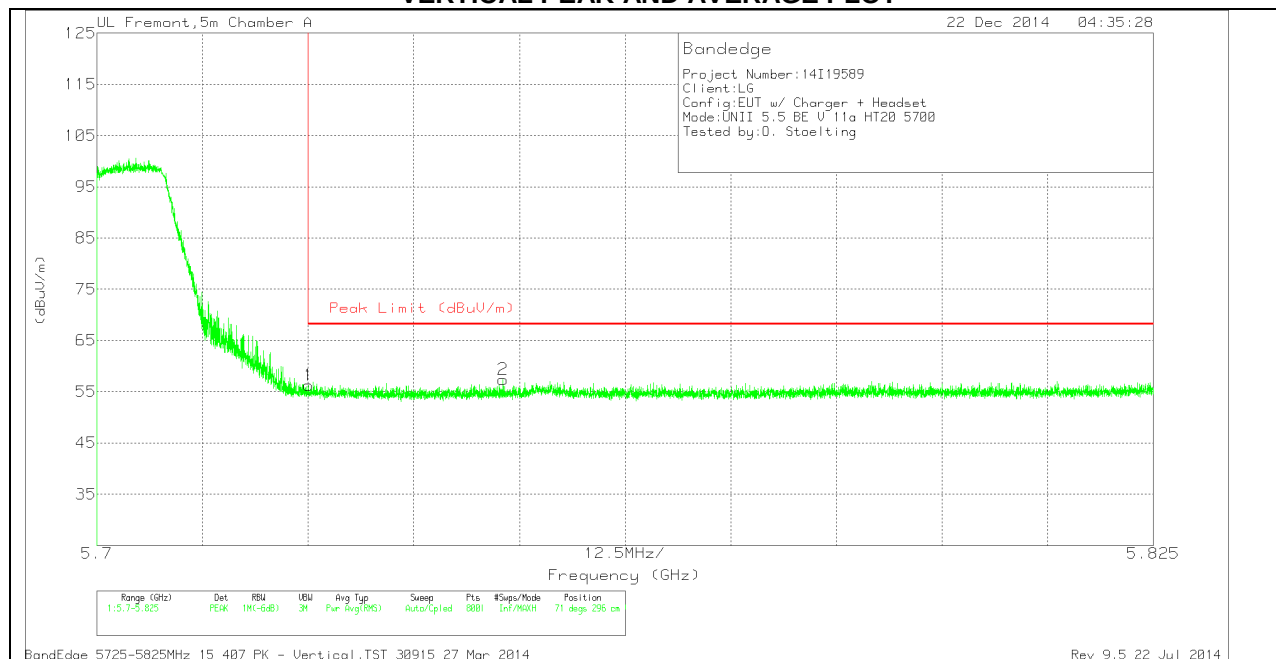
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.55	PK	34.6	-19	0	55.15	68.2	-13.05	222	333	H
2	5.822	41.71	PK	34.8	-18.5	0	58.01	68.2	-10.19	222	333	H

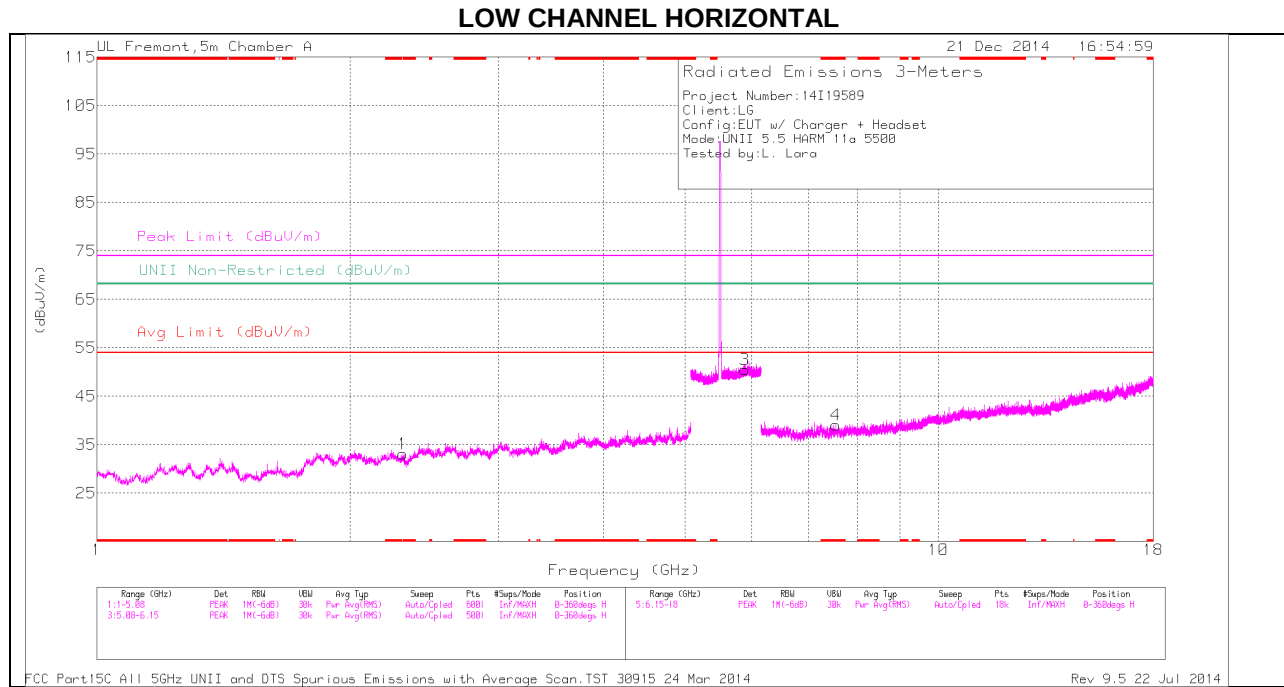
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

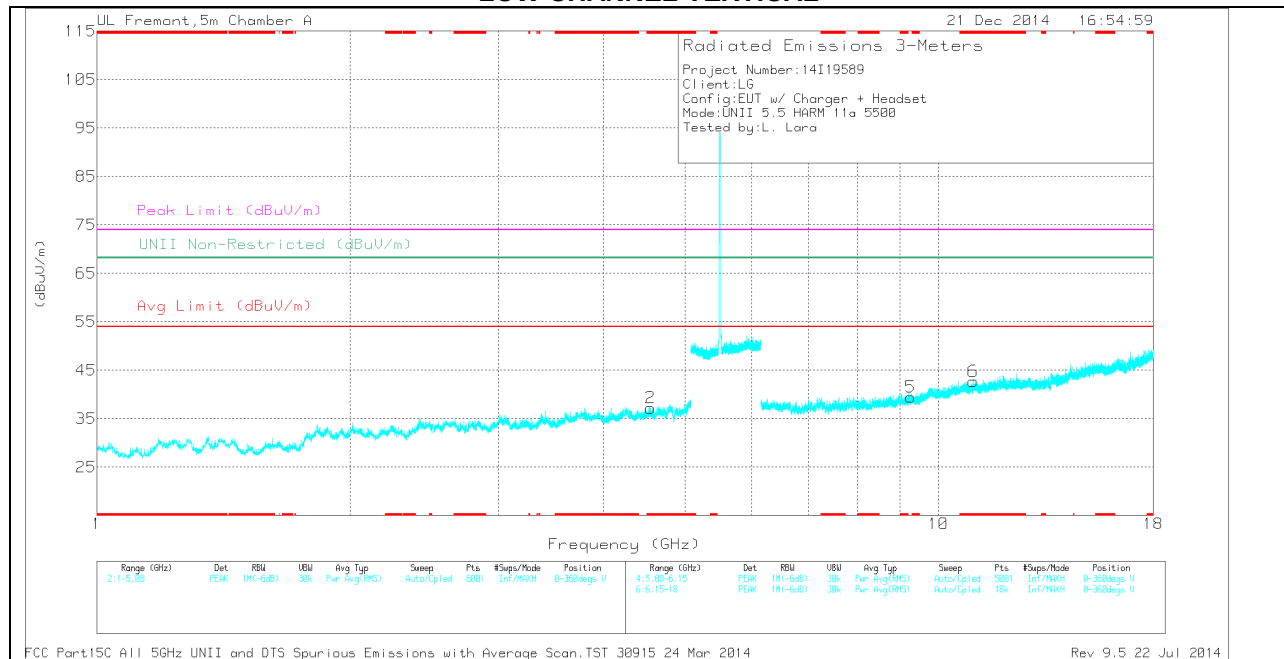
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.67	PK	34.6	-19	0	56.27	68.2	-11.93	71	296	V
2	5.748	41.82	PK	34.6	-19	0	57.42	68.2	-10.78	71	296	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 10.996	26.69	PK	37.7	-21.7	0	42.69	-	-	74	-31.31	-	-	0-360	100	V
1	* 2.31	33.63	PK	31.6	-32.1	0	33.13	-	-	74	-40.87	-	-	0-360	100	H
2	* 4.551	32.6	PK	33.9	-29.3	0	37.2	-	-	74	-36.8	-	-	0-360	201	V
4	* 7.547	28.38	PK	35.3	-24.6	0	39.08	-	-	74	-34.92	-	-	0-360	100	H
3	5.884	33.98	PK	35	-18.5	0	50.48	-	-	-	-	68.2	-17.72	0-360	100	H
5	9.26	27.14	PK	36.2	-23.9	0	39.44	-	-	-	-	68.2	-28.76	0-360	100	V

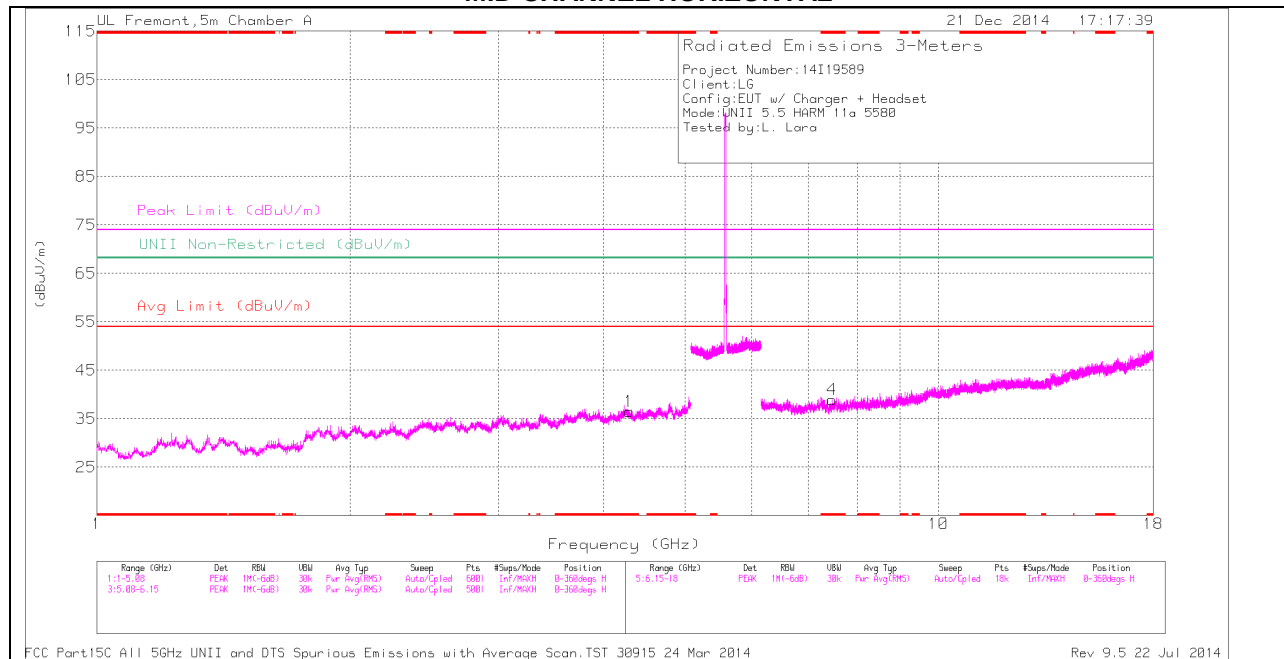
PK - Peak detector

RADIATED EMISSIONS

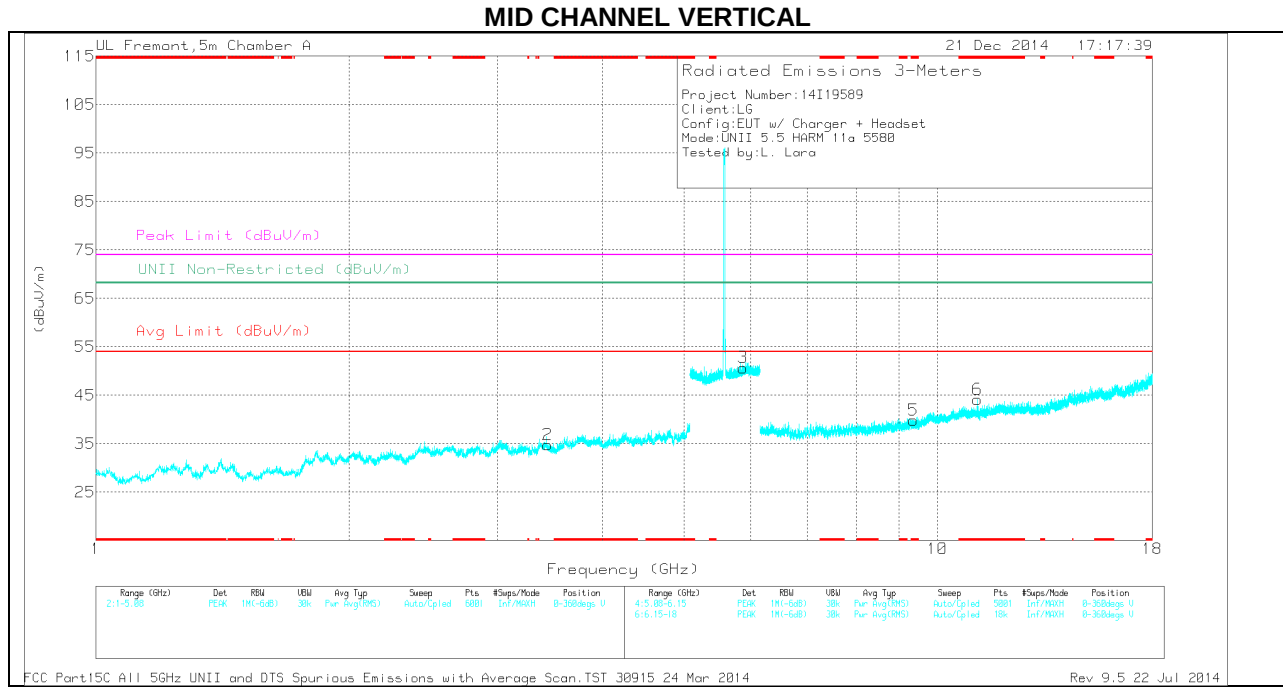
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.996	33.89	PK1	37.7	-21.7	0	49.89	-	-	74	-24.11	-	-	359	100	V
* 10.995	22.92	AD1	37.7	-21.7	.21	39.13	54	-14.87	-	-	-	-	359	100	V

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MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbll/ Filtr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.286	31.06	PK	34	-28.6	0	36.46	-	-	74	-37.54	-	-	0-360	100	H
4	* 7.474	29.12	PK	35.3	-25.5	0	38.92	-	-	74	-35.08	-	-	0-360	100	H
5	* 9.362	27.27	PK	36.3	-23.7	0	39.87	-	-	74	-34.13	-	-	0-360	201	V
6	* 11.16	28.19	PK	37.8	-21.9	0	44.09	-	-	74	-29.91	-	-	0-360	201	V
2	3.443	31.74	PK	33	-30	0	34.74	-	-	-	-	68.2	-33.46	0-360	201	V
3	5.875	34.4	PK	34.9	-18.6	0	50.7	-	-	-	-	68.2	-17.5	0-360	100	V

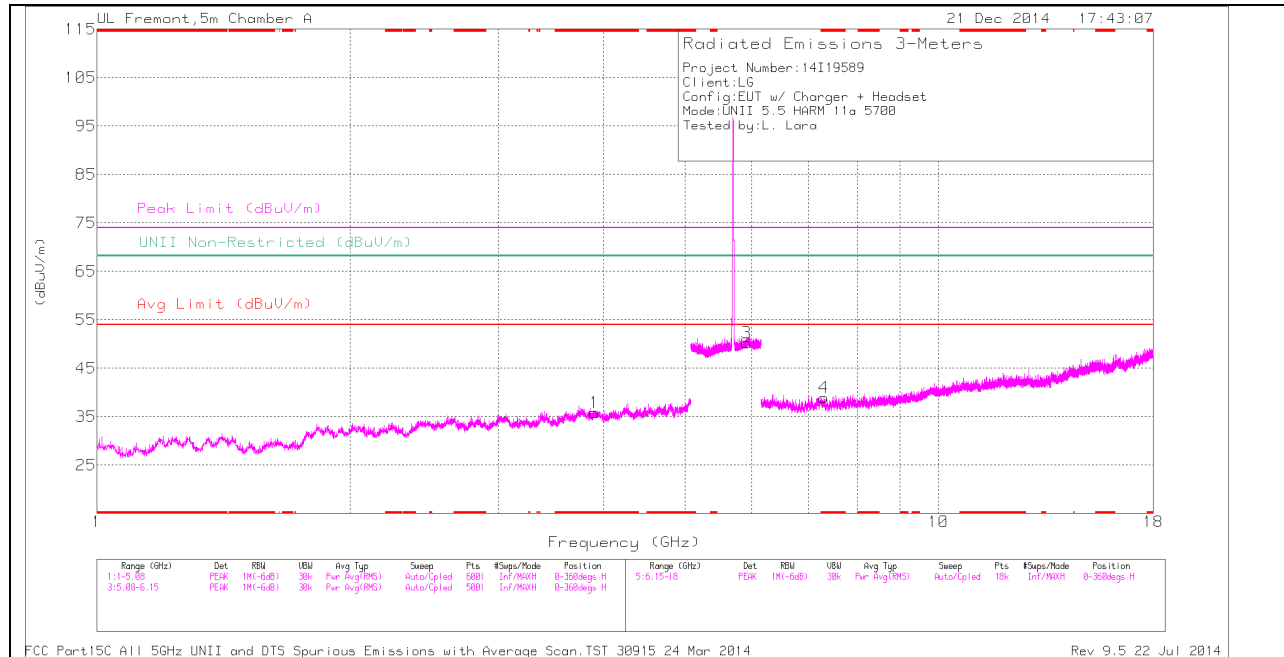
PK - Peak detector

RADIATED EMISSIONS

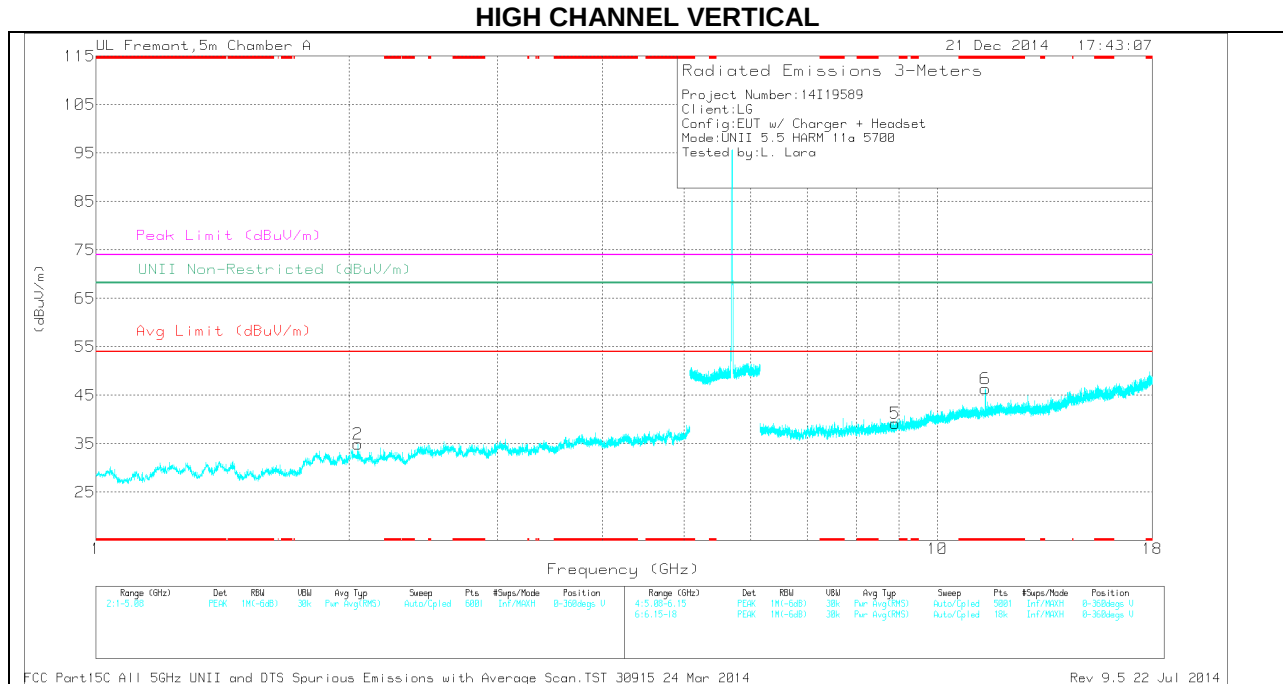
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbll/ Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.16	34.86	PK1	37.8	-21.9	0	50.76	-	-	74	-23.24	-	-	360	202	V
* 11.16	23.98	AD1	37.8	-21.9	.21	40.09	54	-13.91	-	-	-	-	360	202	V

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HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.904	31.96	PK	33.8	-29.9	0	35.86	-	-	74	-38.14	-	-	0-360	201	H
4	* 7.315	29.02	PK	35.2	-25.3	0	38.92	-	-	74	-35.08	-	-	0-360	100	H
6	* 11.4	30.1	PK	38.1	-21.9	0	46.3	-	-	74	-27.7	-	-	0-360	201	V
2	2.047	36.07	PK	31.9	-33	0	34.97	-	-	-	-	68.2	-33.23	0-360	201	V
3	5.917	33.57	PK	35.1	-18.4	0	50.27	-	-	-	-	68.2	-17.93	0-360	100	H
5	8.91	27.96	PK	35.8	-24.6	0	39.16	-	-	-	-	68.2	-29.04	0-360	201	V

PK - Peak detector

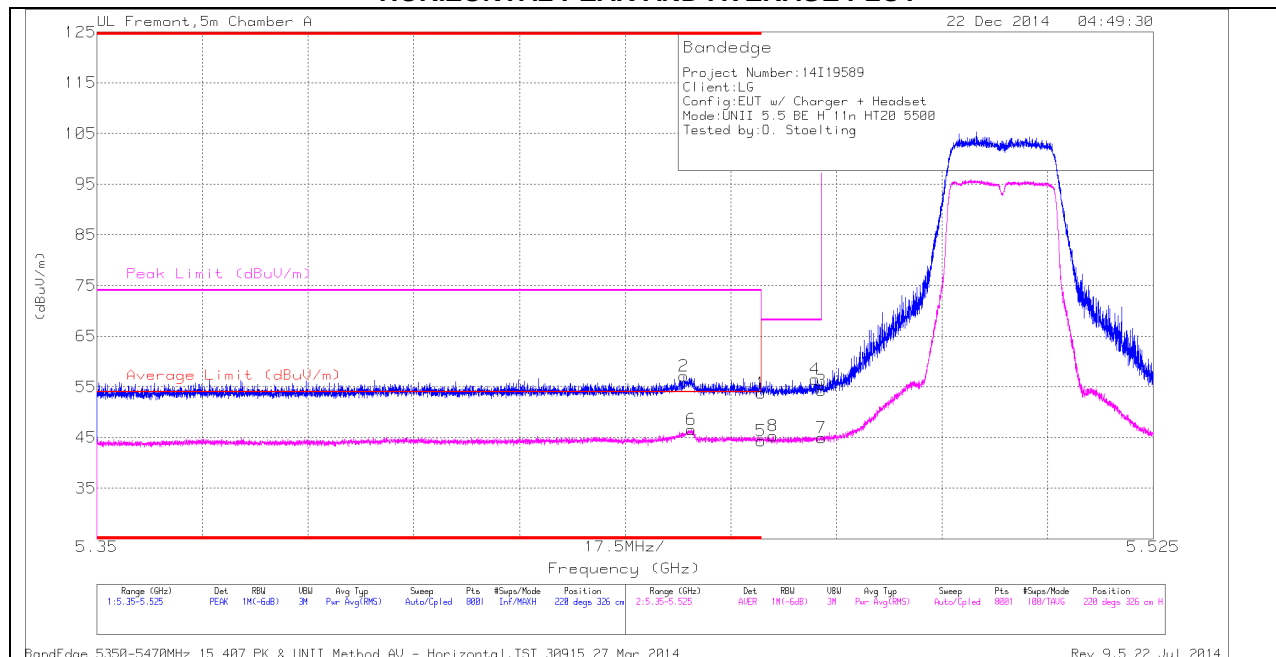
RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/F tr/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
* 11.4	36.45	PK1	38.1	-21.9	0	52.65	-	-	74	-21.35	-	-	25	200	V
* 11.4	29.75	AD1	38.1	-21.9	.21	46.16	54	-7.84	-	-	-	-	25	200	V

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11.3.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

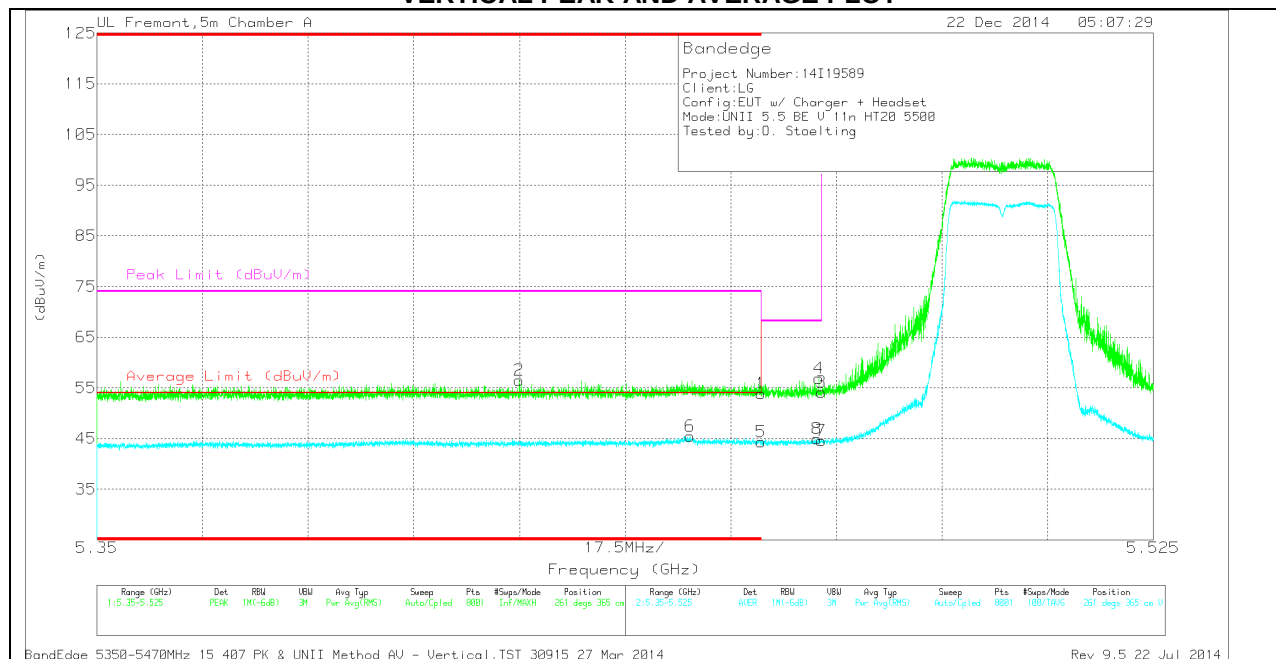
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/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	* 5.447	41.44	PK	34.4	-18.7	0	57.14	-	-	74	-16.86	220	326	H
6	* 5.448	30.61	RMS	34.4	-18.7	.24	46.55	54	-7.45	-	-	220	326	H
1	* 5.46	38.13	PK	34.4	-18.8	0	53.73	-	-	74	-20.27	220	326	H
5	* 5.46	28.47	RMS	34.4	-18.8	.24	44.31	54	-9.69	-	-	220	326	H
8	5.462	29.53	RMS	34.4	-18.9	.24	45.27	-	-	-	-	220	326	H
4	5.469	41	PK	34.4	-18.9	0	56.5	-	-	68.2	-11.7	220	326	H
3	5.47	38.75	PK	34.4	-18.9	0	54.25	-	-	68.2	-13.95	220	326	H
7	5.47	29.22	RMS	34.4	-18.9	.24	44.96	-	-	-	-	220	326	H

VERTICAL PEAK AND AVERAGE PLOT

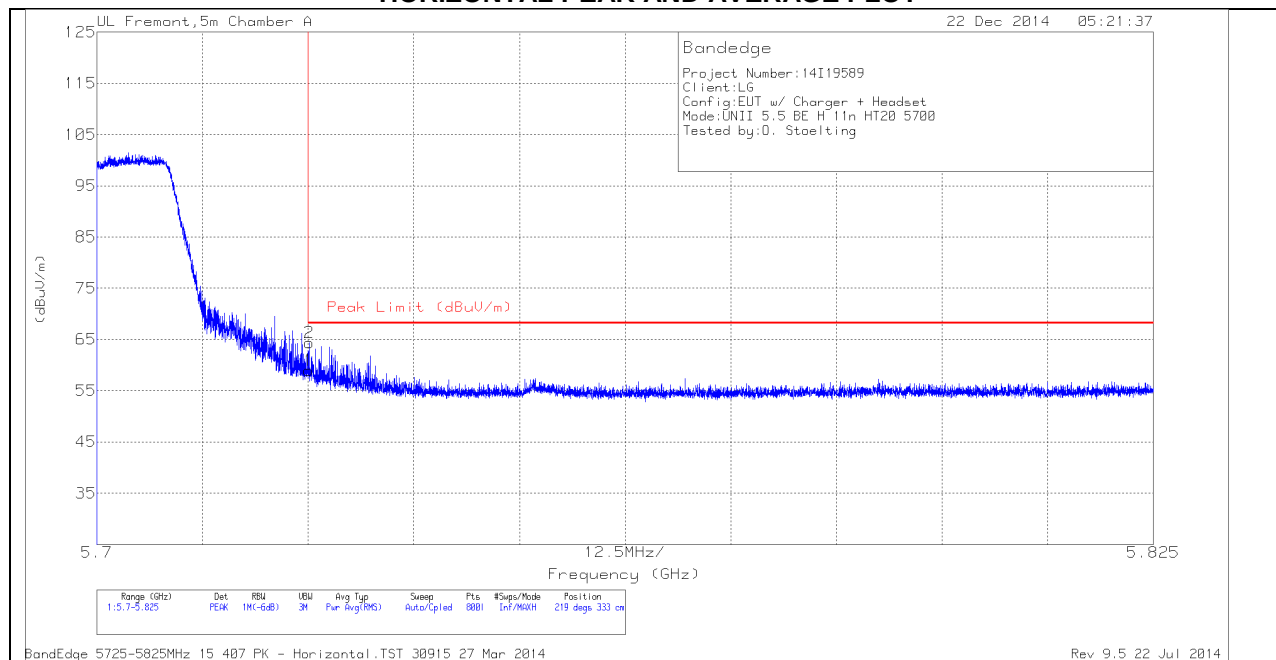


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.42	40.75	PK	34.4	-18.7	56.45	-	-	74	-17.55	261	365	V
6	* 5.448	29.75	RMS	34.4	-18.7	45.45	54	-8.55	-	-	261	365	V
1	* 5.46	38.28	PK	34.4	-18.8	53.88	-	-	74	-20.12	261	365	V
5	* 5.46	28.72	RMS	34.4	-18.8	44.32	54	-9.68	-	-	261	365	V
8	5.469	29.41	RMS	34.4	-18.9	44.91	-	-	-	-	261	365	V
3	5.47	38.59	PK	34.4	-18.9	54.09	-	-	68.2	-14.11	261	365	V
4	5.47	41.37	PK	34.4	-18.9	56.87	-	-	68.2	-11.33	261	365	V
7	5.47	29.04	RMS	34.4	-18.9	44.54	-	-	-	-	261	365	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

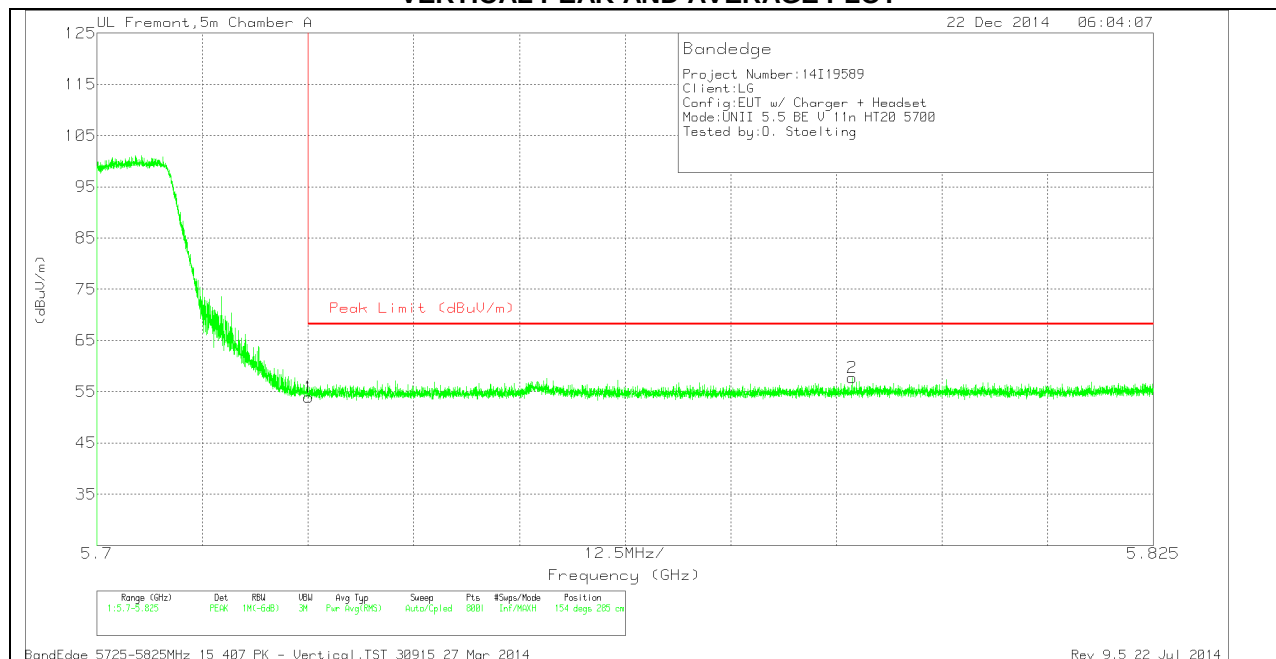
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	43.37	PK	34.6	-19	0	58.97	68.2	-9.23	219	333	H
2	5.725	48.75	PK	34.6	-19	0	64.35	68.2	-3.85	219	333	H

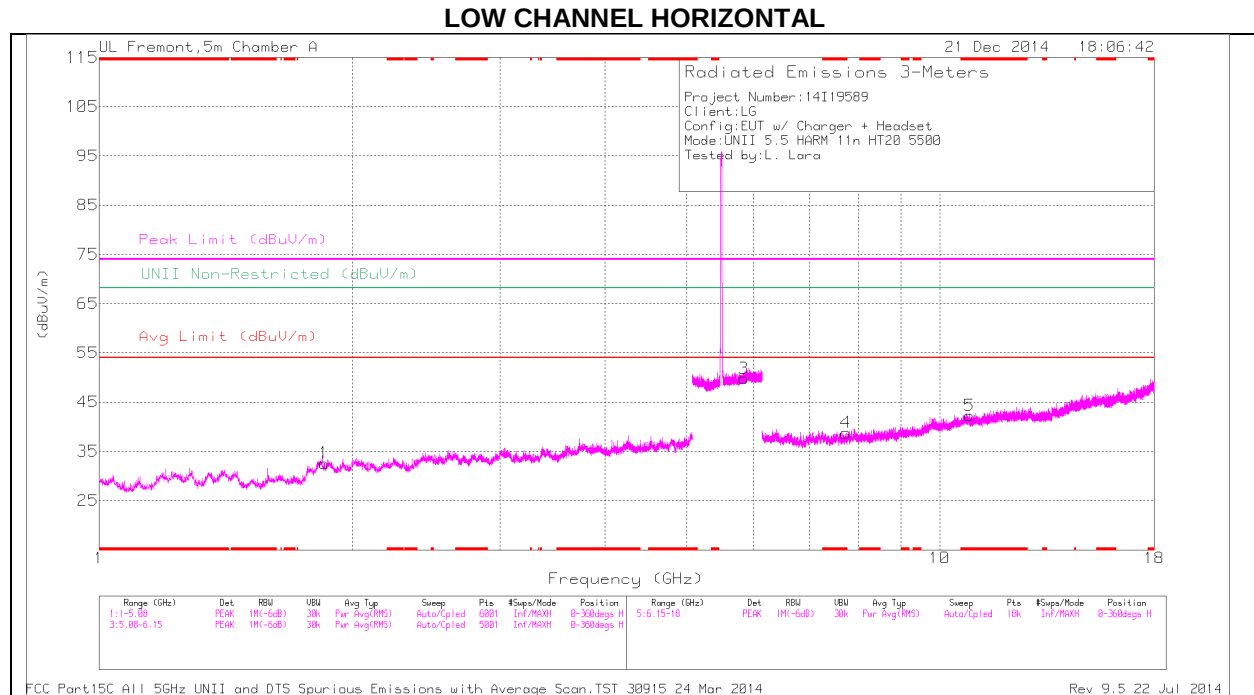
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

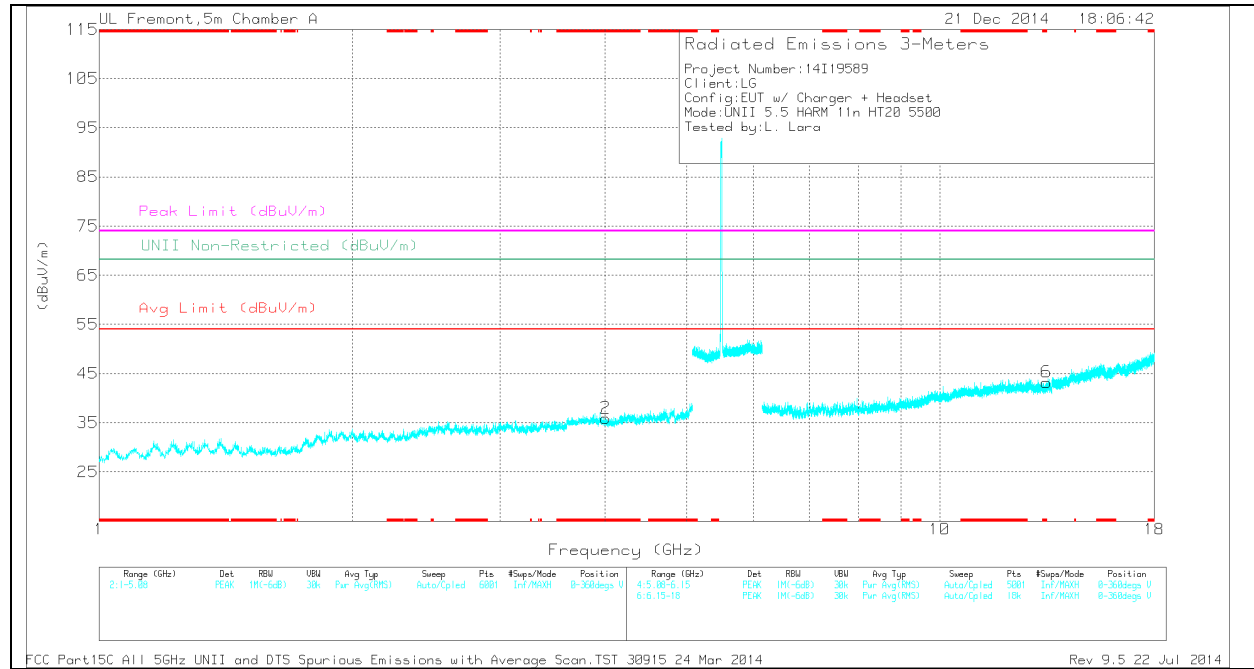
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1	5.725	38.3	PK	34.6	-19	0	53.9	68.2	-14.3	154	285	V
2	5.789	41.88	PK	34.7	-18.8	0	57.78	68.2	-10.42	154	285	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.006	31.63	PK	33.7	-29.4	0	35.93	-	-	74	-38.07	-	-	0-360	201	V
4	* 7.737	29.17	PK	35.4	-25.8	0	38.77	-	-	74	-35.23	-	-	0-360	201	H
5	* 10.843	26.68	PK	37.9	-22.3	0	42.28	-	-	74	-31.72	-	-	0-360	100	H
6	* 13.395	26.23	PK	39	-22	0	43.23	-	-	74	-30.77	-	-	0-360	201	V
1	1.851	33.52	PK	31.1	-32	0	32.62	-	-	-	-	68.2	-35.58	0-360	100	H
3	5.848	33.62	PK	34.9	-18.7	0	49.82	-	-	-	-	68.2	-18.38	0-360	201	H

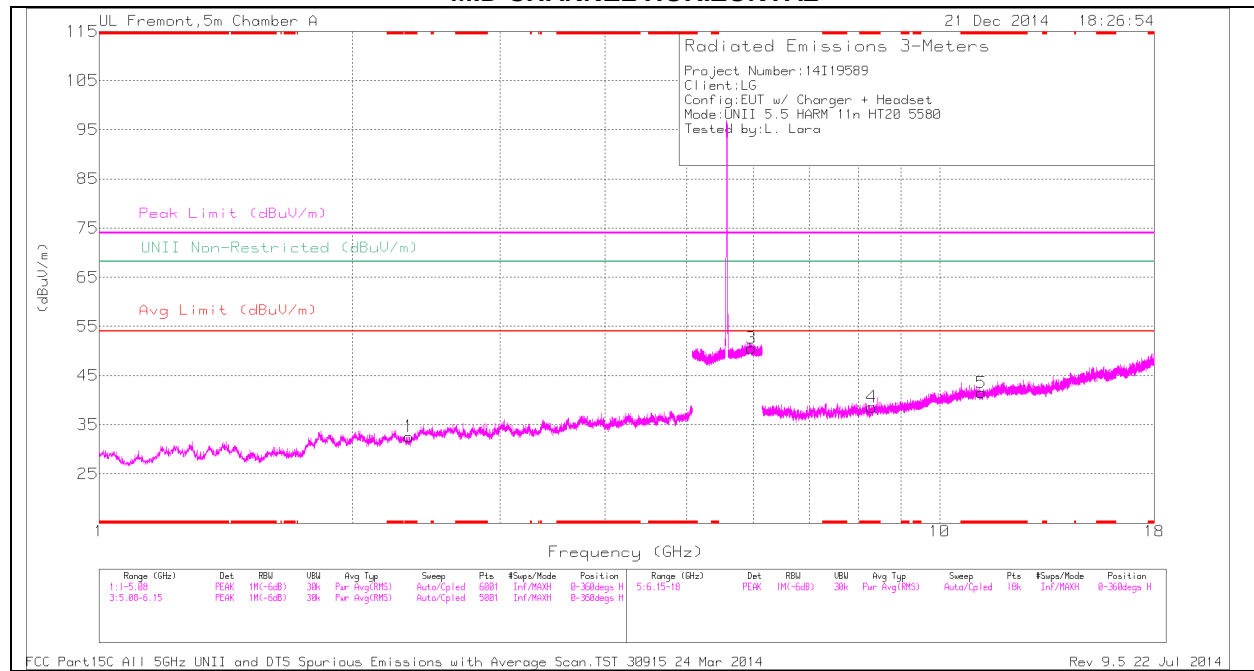
PK - Peak detector

RADIATED EMISSIONS

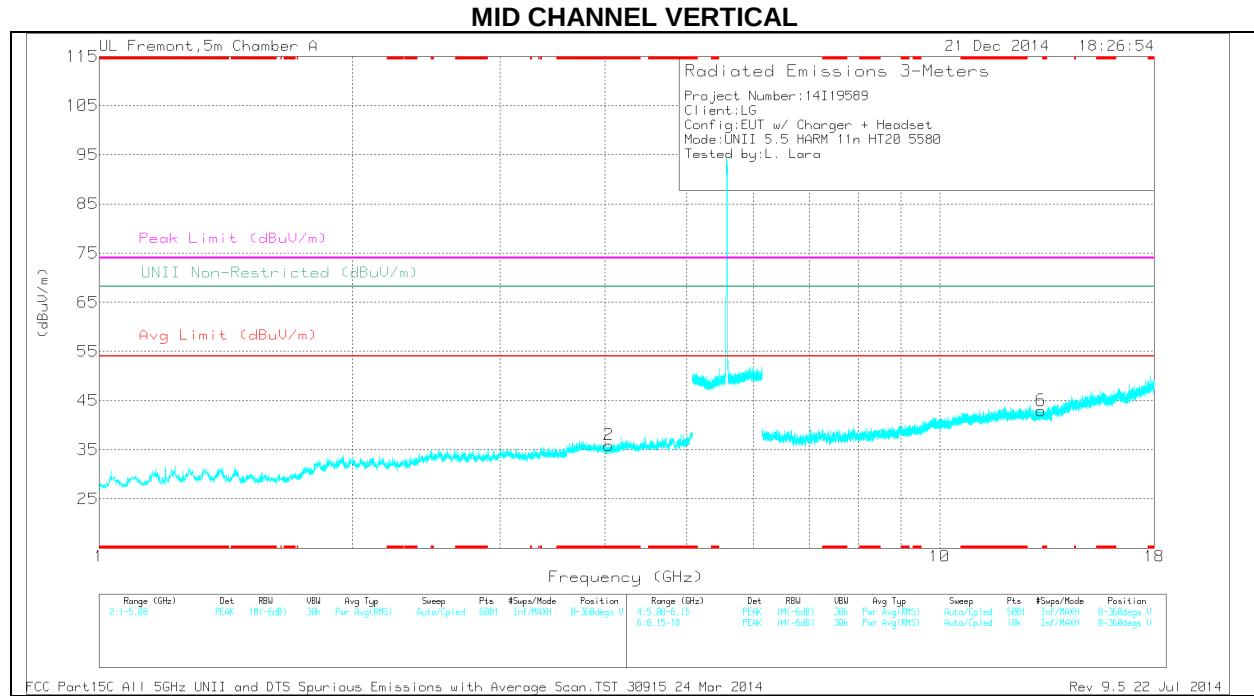
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.843	33.55	PK1	37.9	-22.3	0	49.15	-	-	74	-24.85	-	-	1	100	H
* 10.842	22.93	AD1	37.9	-22.3	.24	38.77	54	-15.23	-	-	-	-	1	100	H

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MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI/ Non- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.337	32.99	PK	31.8	-32.2	0	32.59	-	-	74	-41.41	-	-	0-360	201	H
2	* 4.042	31.45	PK	33.8	-29.3	0	35.95	-	-	74	-38.05	-	-	0-360	201	V
4	* 8.303	28.3	PK	35.6	-25.3	0	38.6	-	-	74	-35.4	-	-	0-360	201	H
5	* 11.217	25.52	PK	37.8	-21.8	0	41.52	-	-	74	-32.48	-	-	0-360	201	H
3	5.971	33.88	PK	35.2	-18.5	0	50.58	-	-	-	-	68.2	-17.62	0-360	201	H
6	13.208	26.17	PK	39.1	-22.3	0	42.97	-	-	-	-	68.2	-25.23	0-360	100	V

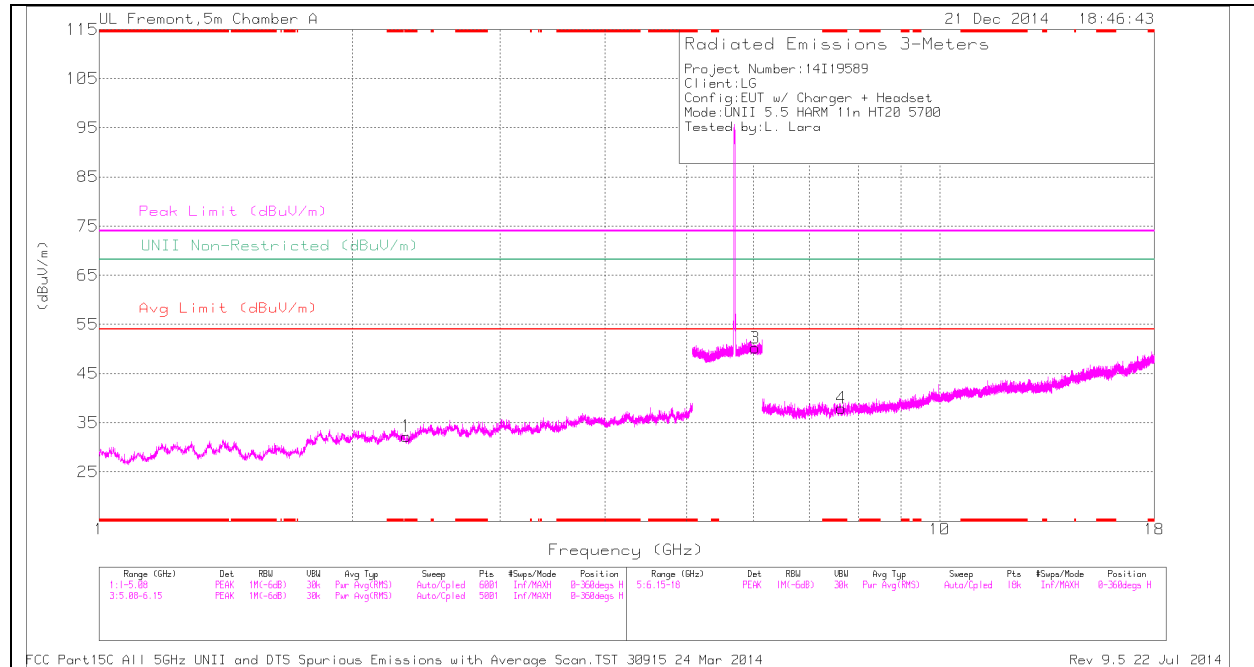
PK - Peak detector

RADIATED EMISSIONS

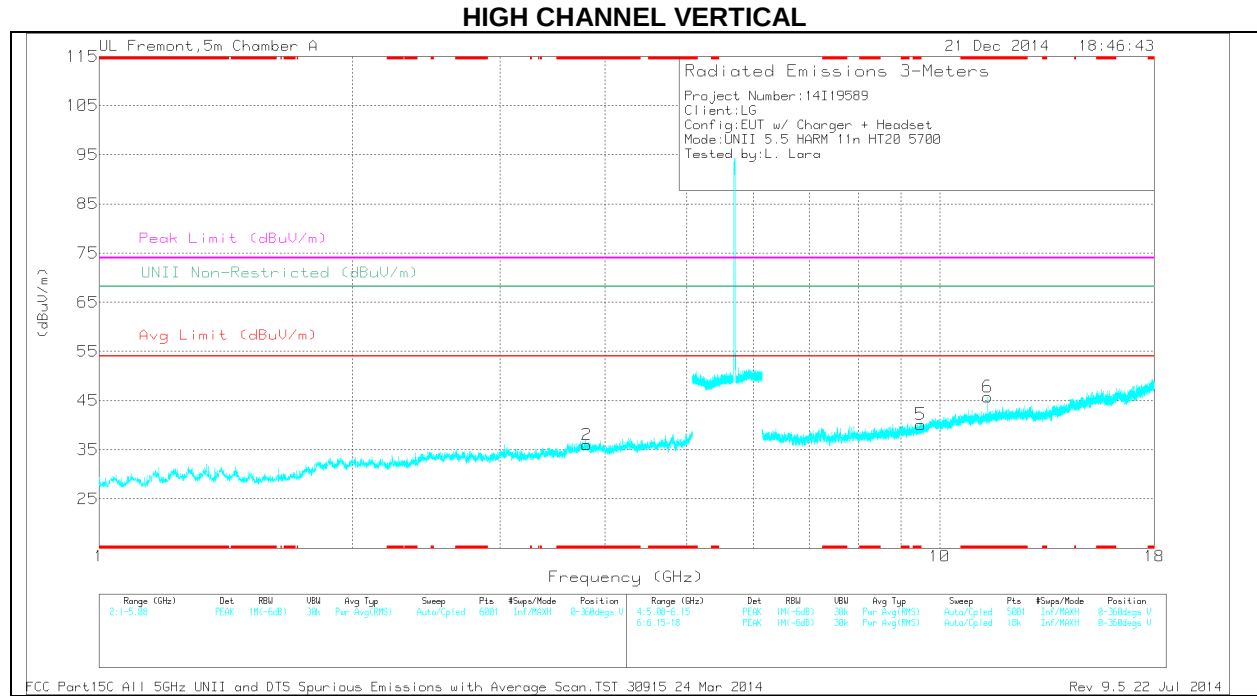
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.219	33.2	PK1	37.8	-21.8	0	49.2	-	-	74	-24.8	-	-	1	202	H
* 11.215	22.38	AD1	37.8	-21.8	.24	38.62	54	-15.38	-	-	-	-	1	202	H

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HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.321	32.83	PK	31.6	-32.2	0	32.23	-	-	74	-41.77	-	-	0-360	201	H
2	* 3.805	31.92	PK	33.6	-29.5	0	36.02	-	-	74	-37.98	-	-	0-360	201	V
4	* 7.64	28.35	PK	35.4	-25.8	0	37.95	-	-	74	-36.05	-	-	0-360	100	H
5	* 9.494	27.43	PK	36.6	-23.9	0	40.13	-	-	74	-33.87	-	-	0-360	201	V
6	*	29.54	PK	38.1	-21.9	0	45.74	-	-	74	-28.26	-	-	0-360	201	V
	11.399															
3	6.033	33.4	PK	35.3	-18.5	0	50.2	-	-	-	-	68.2	-18	0-360	100	H

PK - Peak detector

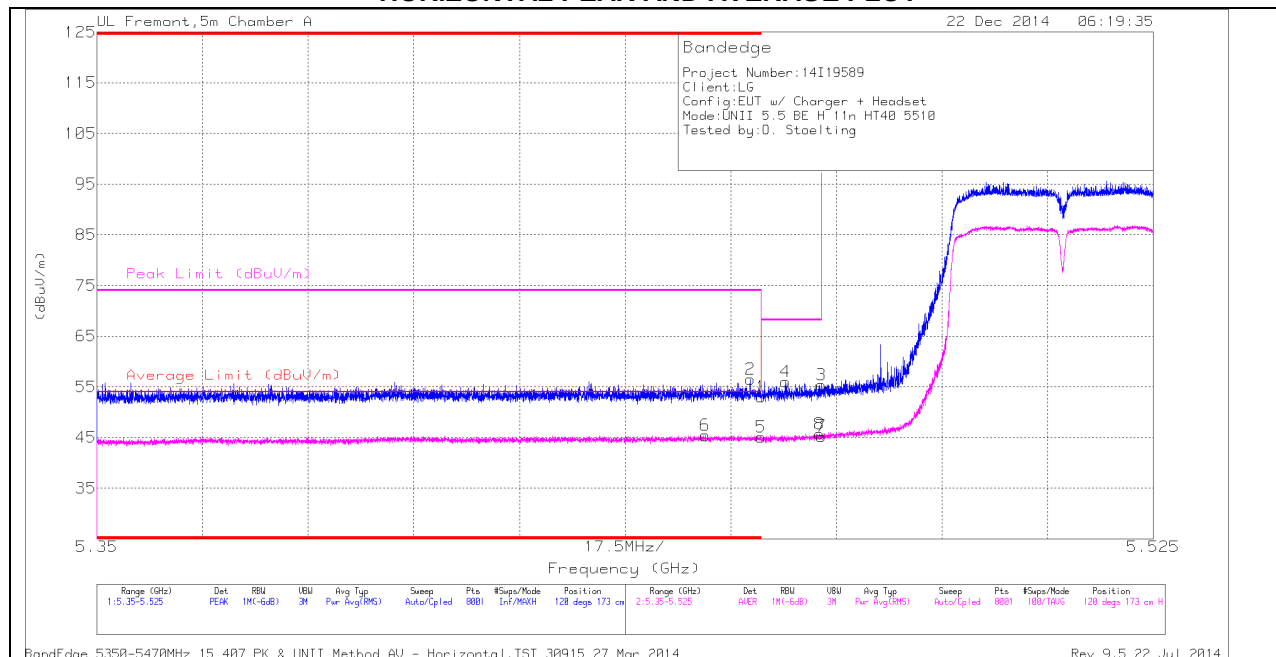
RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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
* 11.4	35.85	PK1	38.1	-21.9	0	52.05	-	-	74	-21.95	-	-	27	198	V
* 11.4	28.4	AD1	38.1	-21.9	.24	44.84	54	-9.16	-	-	-	-	27	198	V

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11.3.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

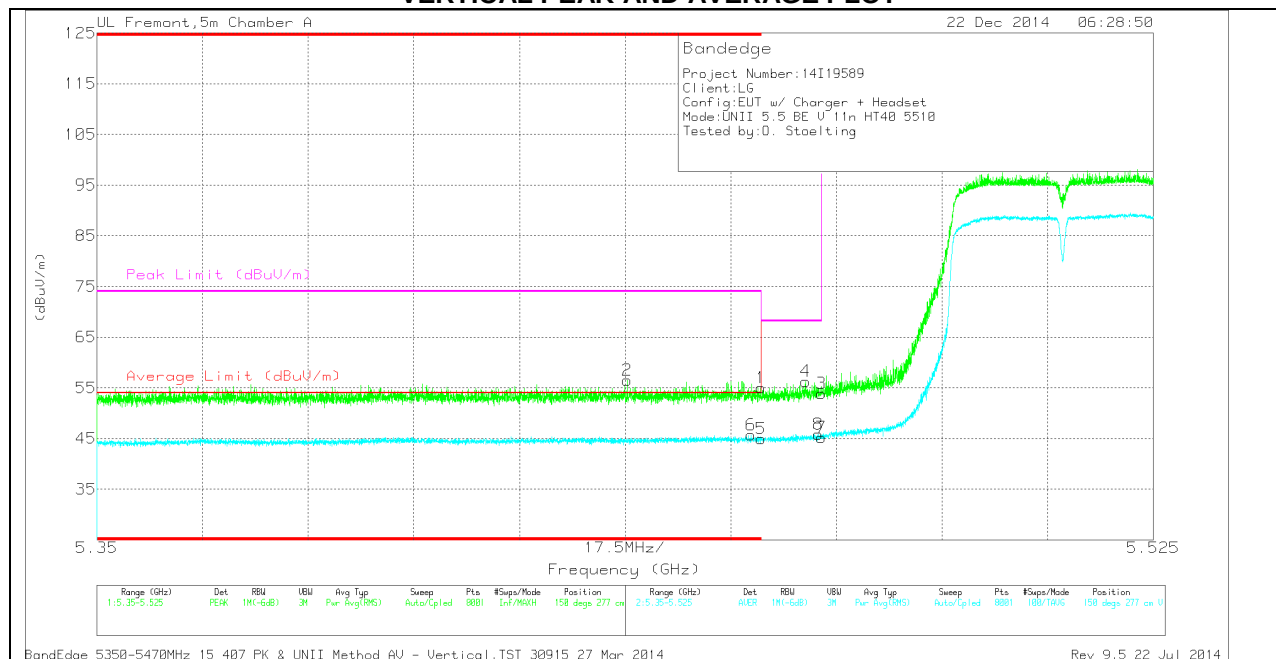
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.451	29.22	RMS	34.4	-18.7	.47	45.39	54	-8.61	-	-	120	173	H
2	* 5.458	40.86	PK	34.4	-18.8	0	56.46	-	-	74	-17.54	120	173	H
1	* 5.46	37.47	PK	34.4	-18.8	0	53.07	-	-	74	-20.93	120	173	H
5	* 5.46	29.03	RMS	34.4	-18.8	.47	45.1	54	-8.9	-	-	120	173	H
4	5.464	40.51	PK	34.4	-18.9	0	56.01	-	-	68.2	-12.19	120	173	H
3	5.47	39.93	PK	34.4	-18.9	0	55.43	-	-	68.2	-12.77	120	173	H
7	5.47	29.29	RMS	34.4	-18.9	.47	45.26	-	-	-	-	120	173	H
8	5.47	29.73	RMS	34.4	-18.9	.47	45.7	-	-	-	-	120	173	H

VERTICAL PEAK AND AVERAGE PLOT

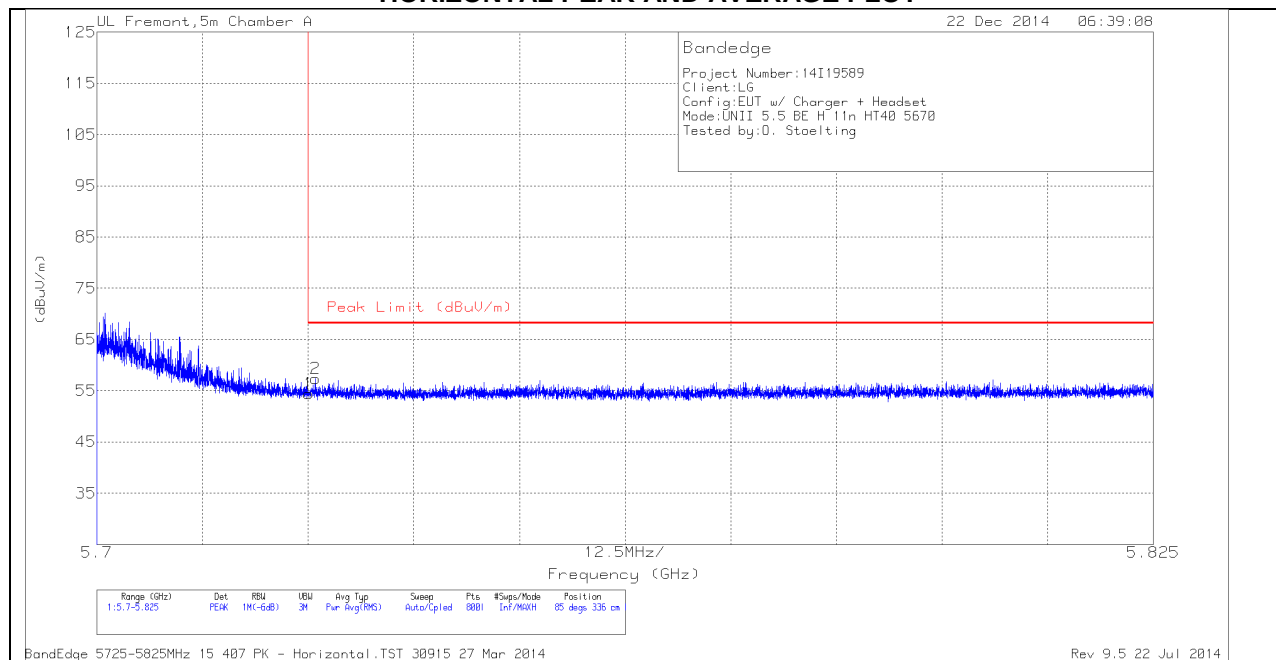


VERTICAL DATA

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/FI tr/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	* 5.438	40.9	PK	34.4	-18.8	0	56.5	-	-	74	-17.5	150	277	V
6	* 5.458	29.62	RMS	34.4	-18.8	.47	45.69	54	-8.31	-	-	150	277	V
1	* 5.46	39.41	PK	34.4	-18.8	0	55.01	-	-	74	-18.99	150	277	V
5	* 5.46	28.92	RMS	34.4	-18.8	.47	44.99	54	-9.01	-	-	150	277	V
4	5.467	40.81	PK	34.4	-18.9	0	56.31	-	-	68.2	-11.89	150	277	V
3	5.47	38.35	PK	34.4	-18.9	0	53.85	-	-	68.2	-14.35	150	277	V
7	5.47	29.21	RMS	34.4	-18.9	.47	45.18	-	-	-	-	150	277	V
8	5.47	29.9	RMS	34.4	-18.9	.47	45.87	-	-	-	-	150	277	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

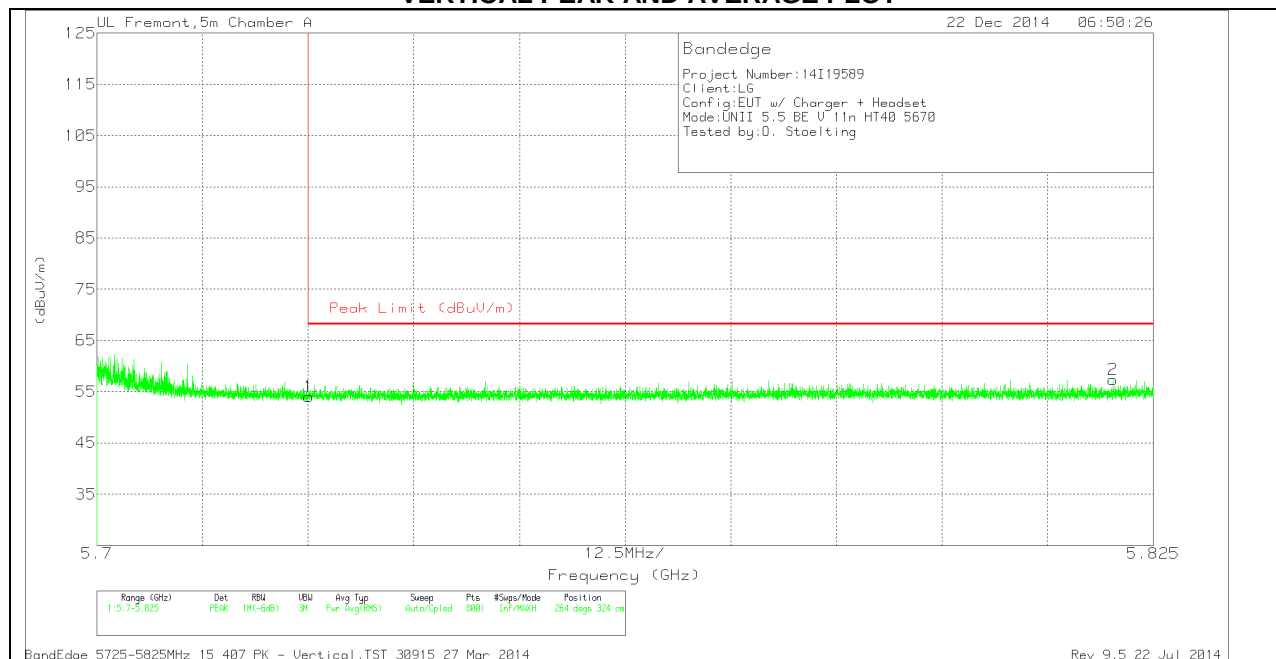
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (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	38.86	PK	34.6	-19	0	54.46	68.2	-13.74	85	336	H
2	5.726	41.74	PK	34.6	-19	0	57.34	68.2	-10.86	85	336	H

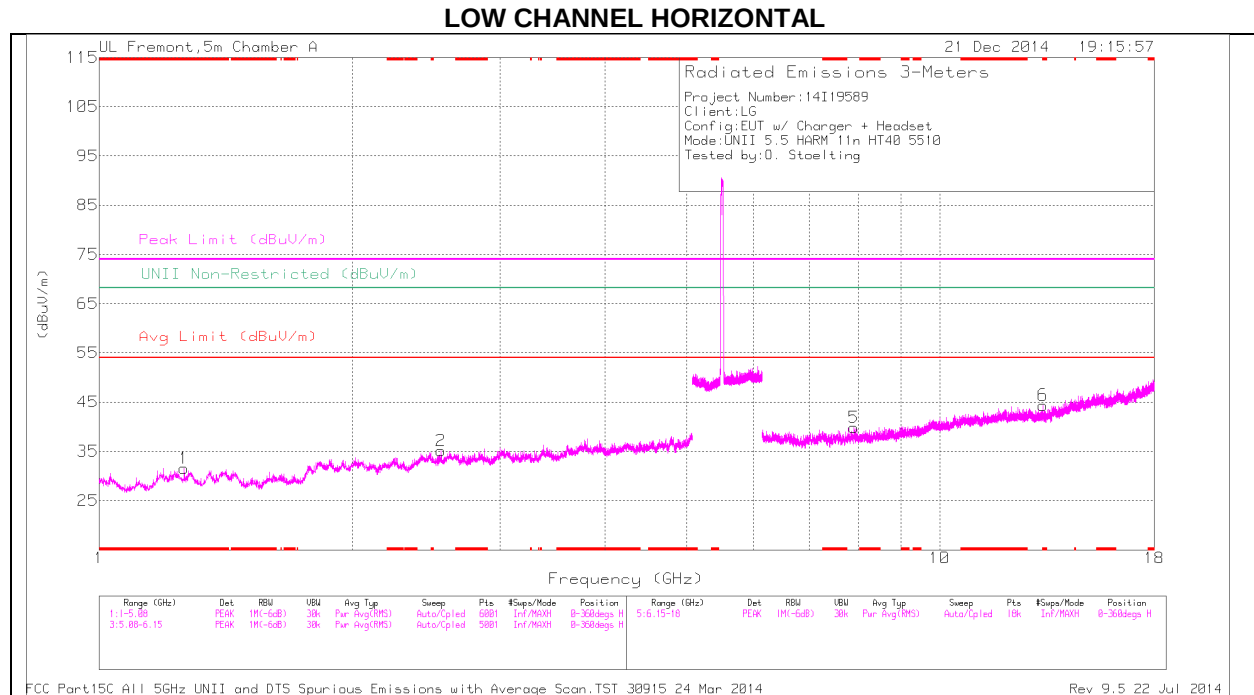
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

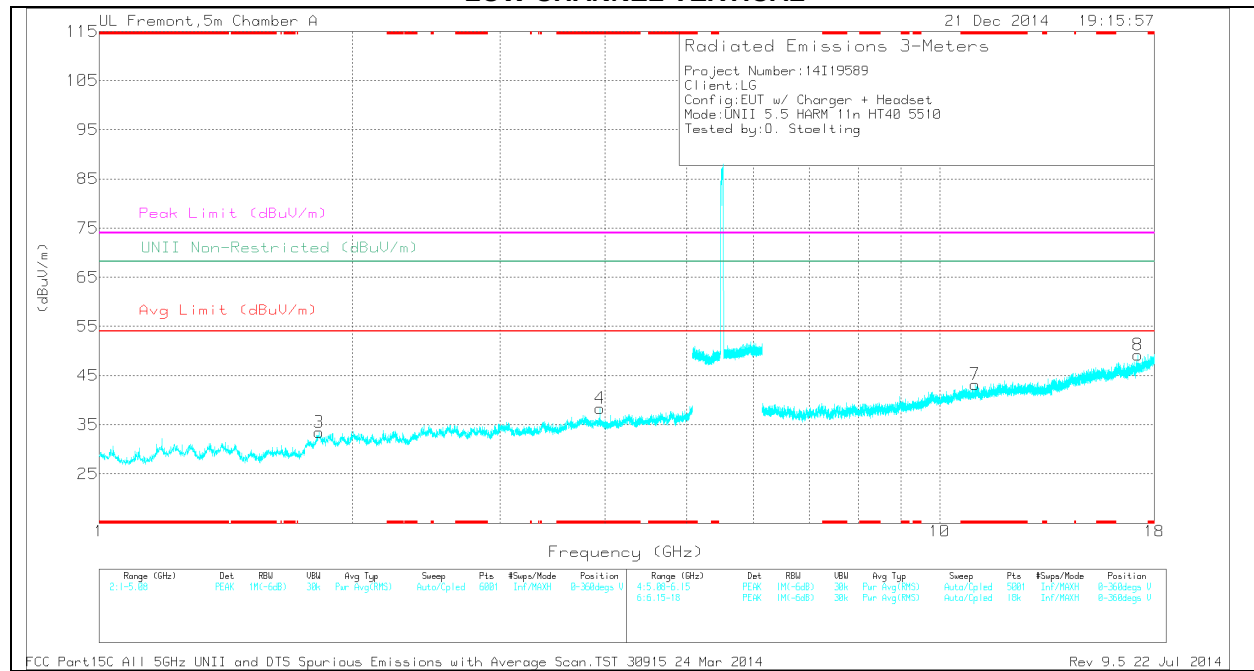
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.46	PK	34.6	-19	0	54.06	68.2	-14.14	264	324	V
2	5.82	41.02	PK	34.8	-18.5	0	57.32	68.2	-10.88	264	324	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.262	35.85	PK	29.9	-34.2	0	31.55	-	-	74	-42.45	-	-	0-360	100	H
4	* 3.944	34.33	PK	33.7	-29.7	0	38.33	-	-	74	-35.67	-	-	0-360	201	V
6	*	27.57	PK	39.1	-22.3	0	44.37	-	-	74	-29.63	-	-	0-360	201	H
	13.262															
7	* 11.02	26.99	PK	37.7	-21.5	0	43.19	-	-	74	-30.81	-	-	0-360	201	V
3	1.827	34.78	PK	30.9	-32.2	0	33.48	-	-	-	-	68.2	-34.72	0-360	100	V
	2.55	33.69	PK	32.9	-31.5	0	35.09	-	-	-	-	68.2	-33.11	0-360	201	H
5	7.908	29.65	PK	35.5	-25.3	0	39.85	-	-	-	-	68.2	-28.35	0-360	201	H
8	17.205	26.7	PK	40.8	-18.3	0	49.2	-	-	-	-	68.2	-19	0-360	100	V

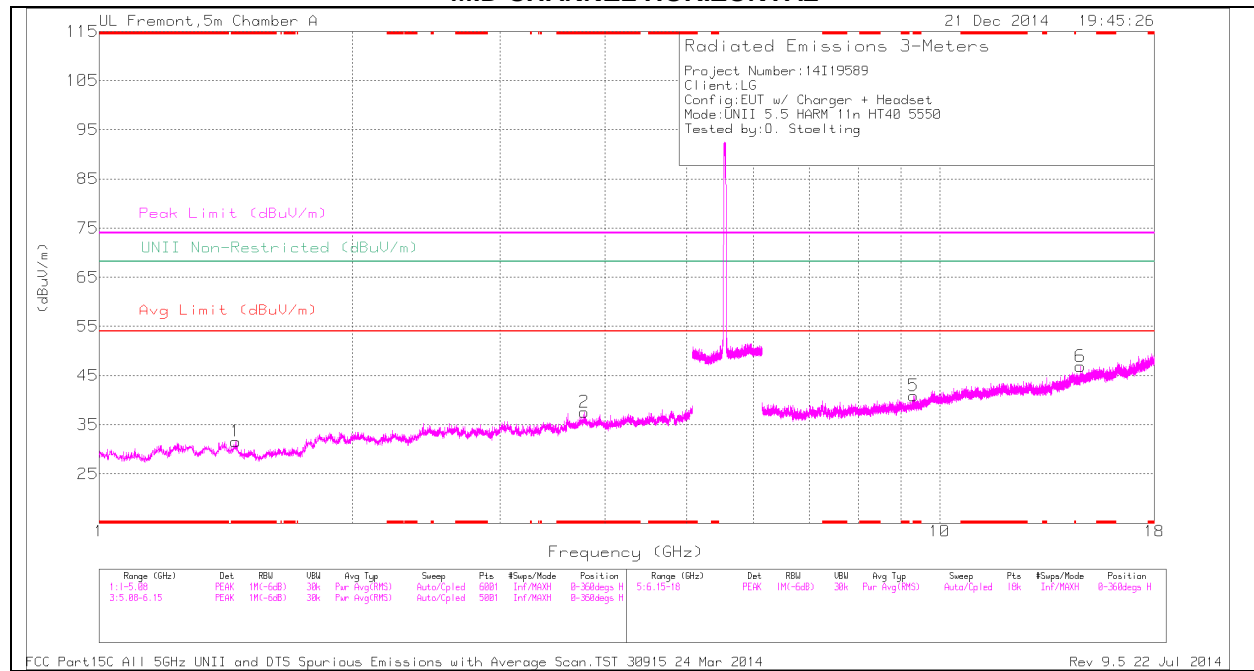
PK - Peak detector

RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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
* 3.943	39.74	PK1	33.7	-29.7	0	43.74	-	-	74	-30.26	-	-	96	296	V
* 3.945	28.14	AD1	33.7	-29.7	.47	32.61	54	-21.39	-	-	-	-	96	296	V
* 13.261	33.43	PK1	39.1	-22.2	0	50.33	-	-	74	-23.67	-	-	331	381	H
* 13.263	22.39	AD1	39.1	-22.3	.47	39.66	54	-14.34	-	-	-	-	331	381	H

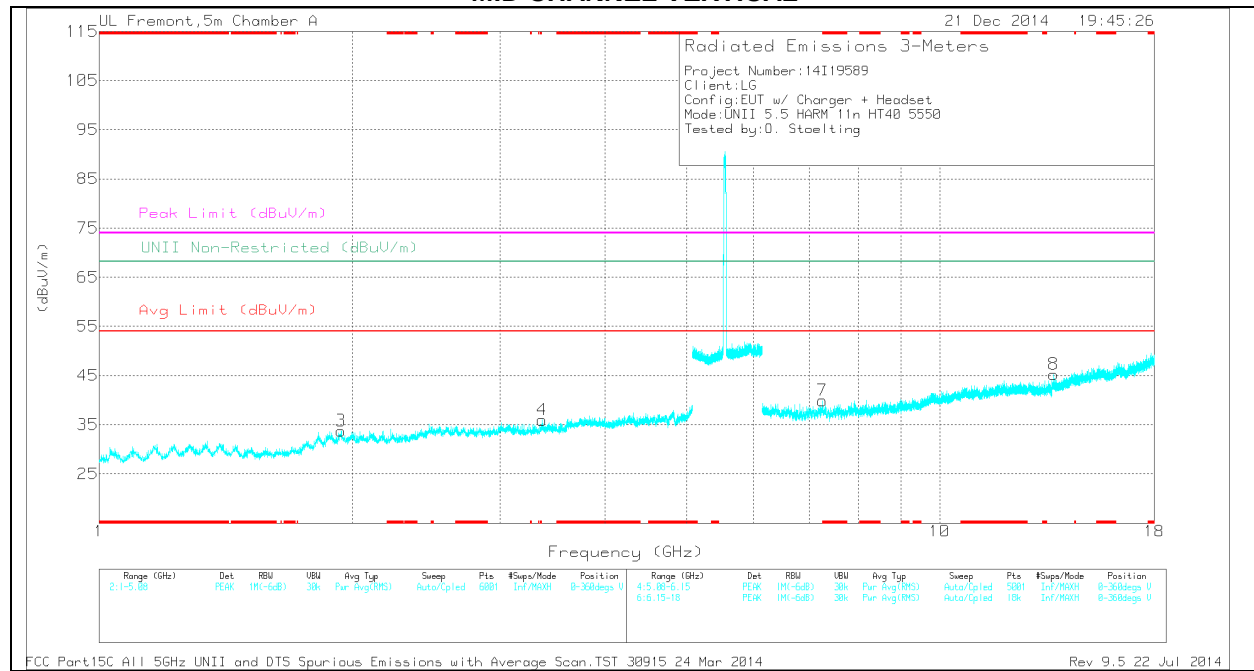
FCC Part15 Subpart C T186 2400MHz Spurious Emissions.TST 12746Rev 9.5 12 Jun 2013

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.454	35.61	PK	29.2	-33.2	0	31.61	-	-	74	-42.39	-	-	0-360	100	H
2	* 3.775	33.69	PK	33.6	-29.7	0	37.59	-	-	74	-36.41	-	-	0-360	201	H
5	* 9.304	28.51	PK	36.2	-23.8	0	40.91	-	-	74	-33.09	-	-	0-360	201	H
3	1.94	34.56	PK	31.8	-32.6	0	33.76	-	-	-	-	68.2	-34.44	0-360	201	V
4	3.368	32.68	PK	33	-29.7	0	35.98	-	-	-	-	68.2	-32.22	0-360	100	V
7	7.249	29.52	PK	35.2	-24.8	0	39.92	-	-	-	-	68.2	-28.28	0-360	201	V
8	13.672	28.25	PK	38.8	-21.8	0	45.25	-	-	-	-	68.2	-22.95	0-360	201	V
6	14.701	28	PK	40	-21.1	0	46.9	-	-	-	-	68.2	-21.3	0-360	201	H

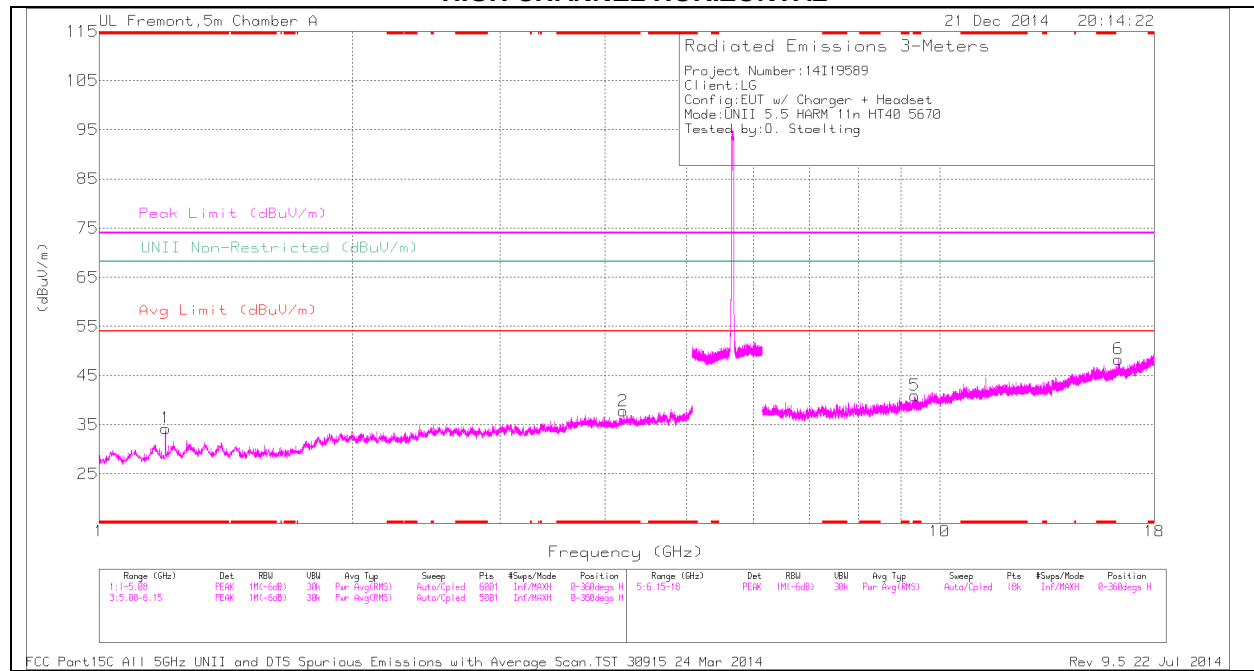
PK - Peak detector

RADIATED EMISSIONS

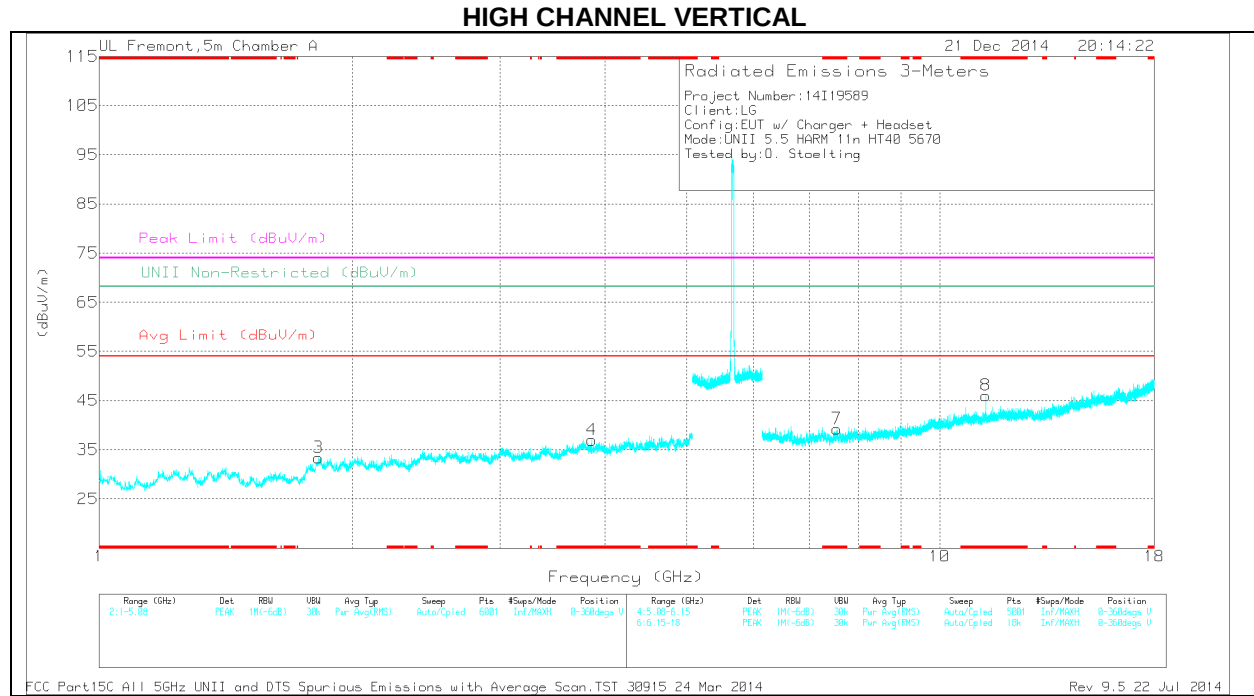
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.777	39.56	PK1	33.6	-29.7	0	43.46	-	-	74	-30.54	-	-	268	160	H
* 3.775	28.57	AD1	33.6	-29.7	.47	32.94	54	-21.06	-	-	-	-	268	160	H
14.701	33.68	PK1	40	-21.1	0	52.58	-	-	-	-	68.2	-15.62	90	262	H
14.701	22.3	AD1	40	-21.1	.47	41.67	-	-	-	-	-	-	90	262	H

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HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.2	38.69	PK	29.3	-33.7	0	34.29	-	-	74	-39.71	-	-	0-360	201	H
2	* 4.2	32.4	PK	33.9	-28.5	0	37.8	-	-	74	-36.2	-	-	0-360	201	H
4	* 3.856	33.29	PK	33.7	-30	0	36.99	-	-	74	-37.01	-	-	0-360	201	V
5	* 9.347	28.34	PK	36.3	-23.7	0	40.94	-	-	74	-33.06	-	-	0-360	201	H
7	* 7.546	28.55	PK	35.3	-24.6	0	39.25	-	-	74	-34.75	-	-	0-360	201	V
8	* 11.339	29.34	PK	38	-21.3	0	46.04	-	-	74	-27.96	-	-	0-360	201	V
3	1.824	34.79	PK	30.8	-32.2	0	33.39	-	-	-	-	68.2	-34.81	0-360	100	V
6	16.311	26.35	PK	40.7	-18.7	0	48.35	-	-	-	-	68.2	-19.85	0-360	100	H

PK - Peak detector

RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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
* 1.201	42.94	PK1	29.3	-33.7	0	38.54	-	-	74	-35.46	-	-	292	103	H
* 1.202	30.08	AD1	29.3	-33.7	.47	26.15	54	-27.85	-	-	-	-	292	103	H
* 11.34	35.23	PK1	38	-21.3	0	51.93	-	-	74	-22.07	-	-	28	253	V
* 11.34	27.88	AD1	38	-21.3	.47	45.05	54	-8.95	-	-	-	-	28	253	V

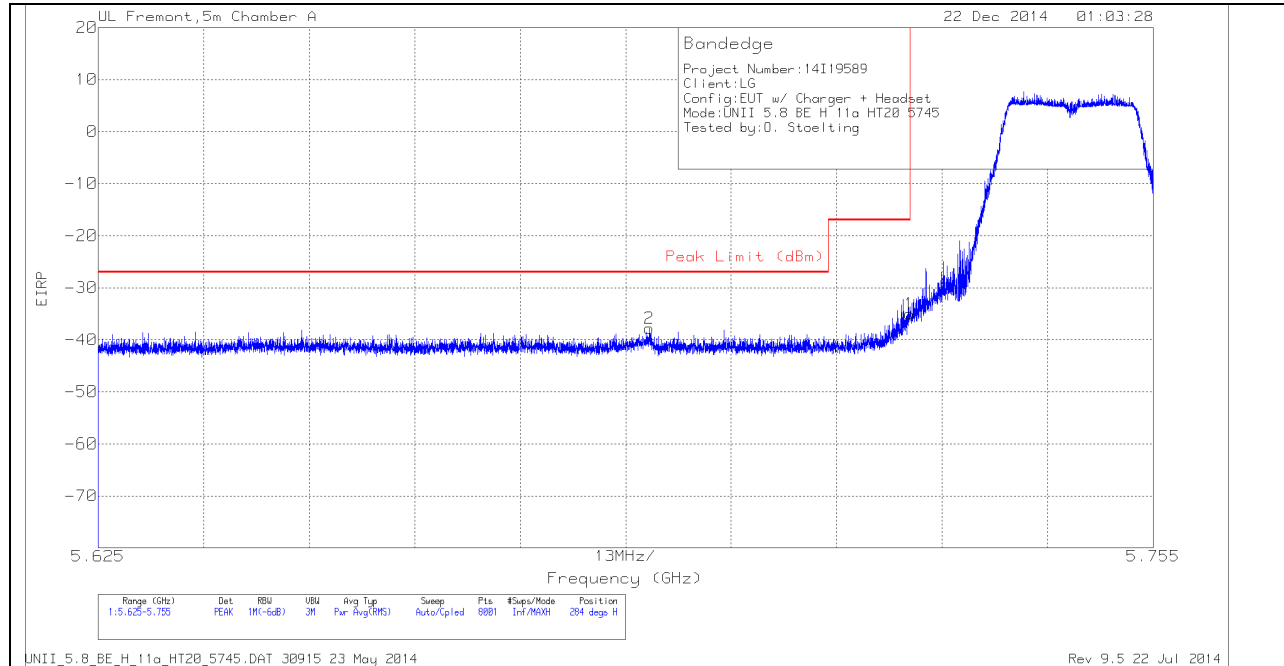
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11.4. 5.8 GHz

11.4.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL)

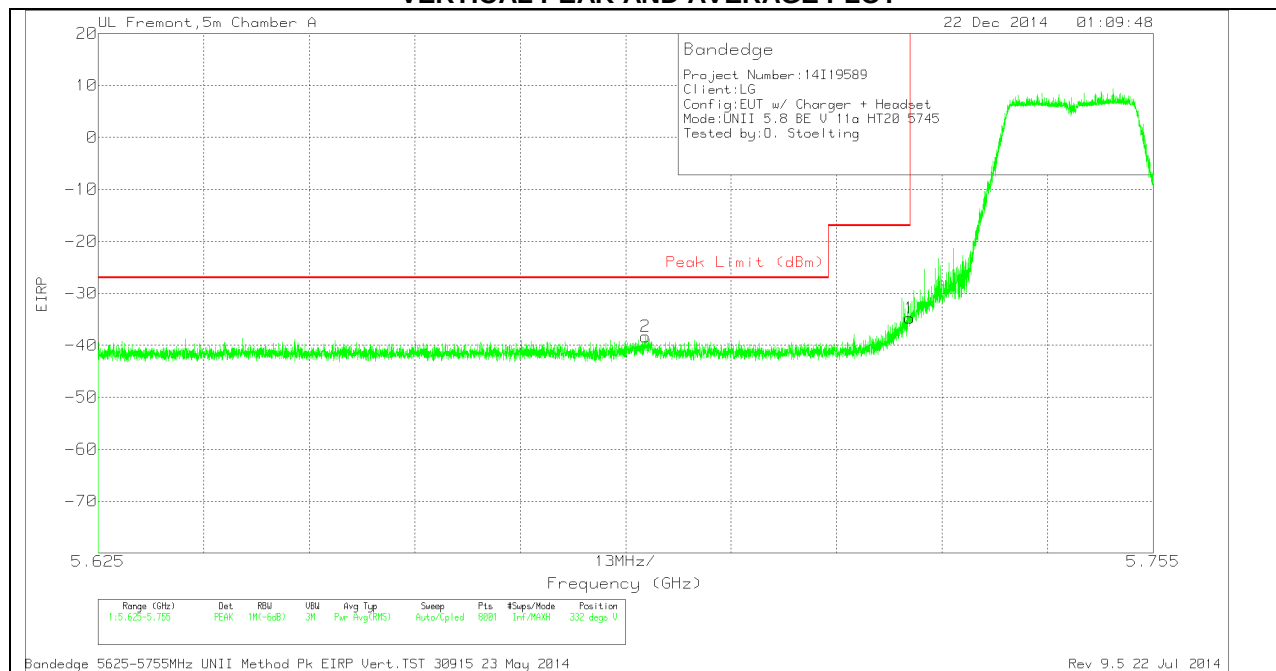
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb/ Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.693	-65.28	PK	34.5	-18.8	11.8	0	-37.78	-27	-10.78	284	177	H
1	5.725	-62.41	PK	34.6	-19	11.8	0	-35.01	-17	-18.01	284	177	H

VERTICAL PEAK AND AVERAGE PLOT

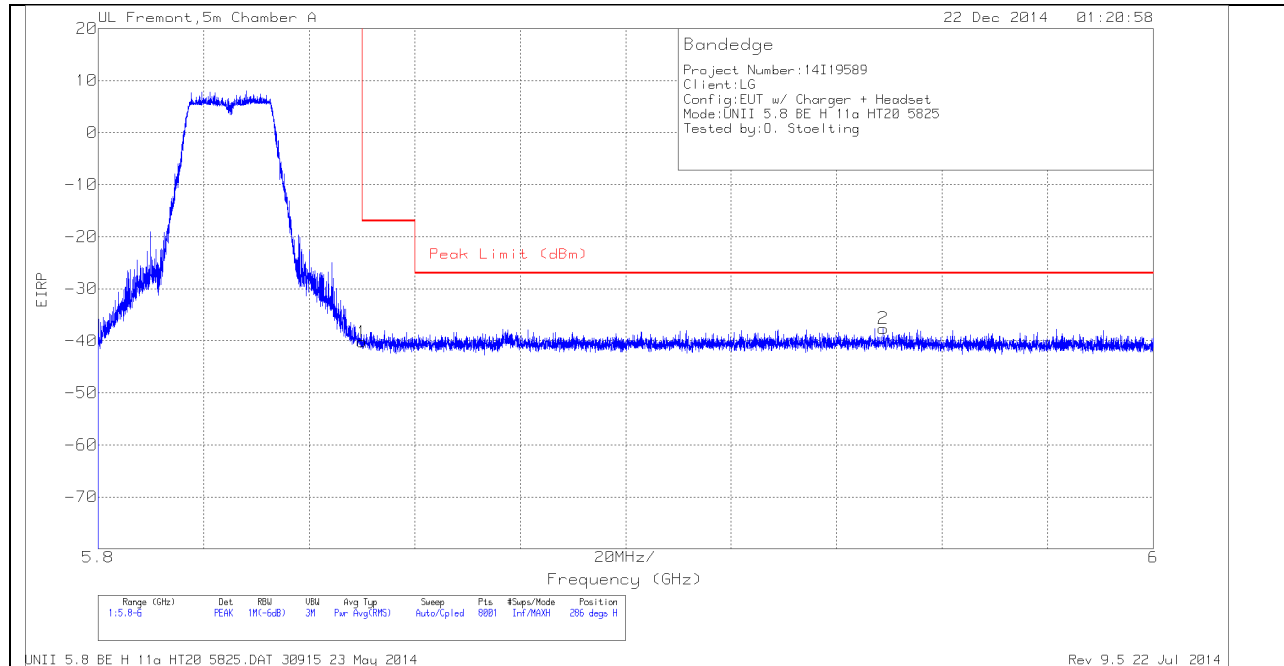


VERTICAL DATA

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb// Filtr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.692	-65.82	PK	34.5	-18.8	11.8	0	-38.32	-27	-11.32	332	283	V
1	5.725	-62.17	PK	34.6	-19	11.8	0	-34.77	-17	-17.77	332	283	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

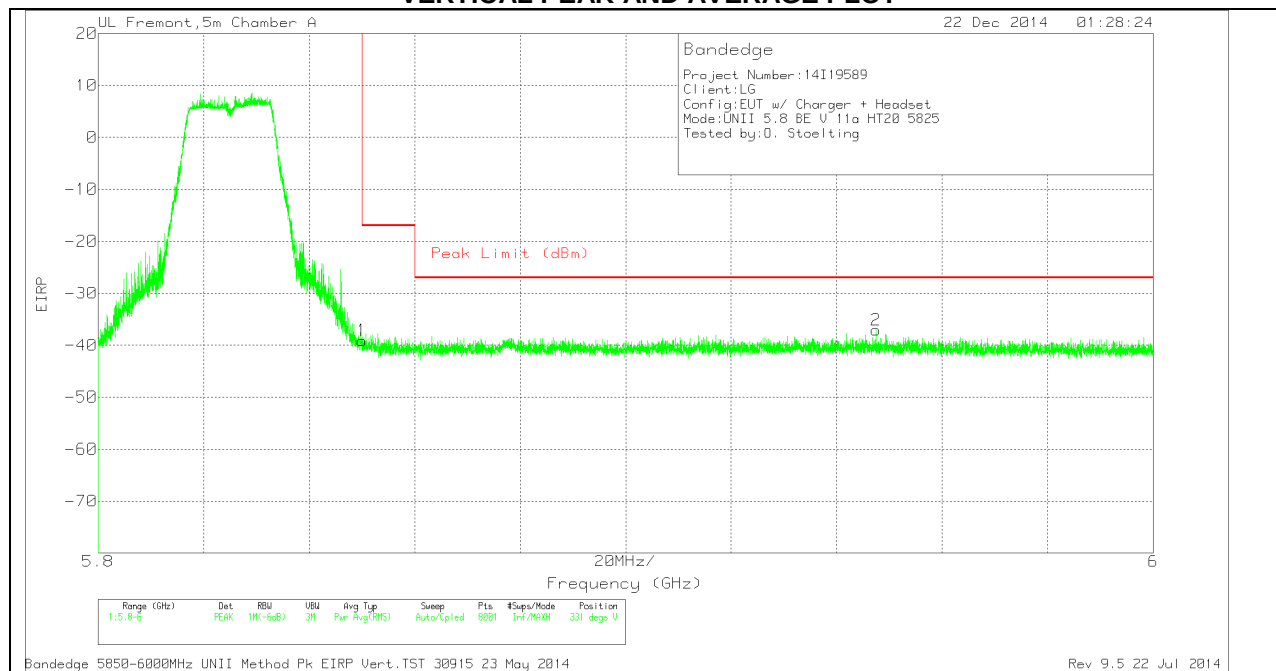
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb/I Filtr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.2	PK	34.9	-18.7	11.8	0	-40.2	-17	-23.2	286	212	H
2	5.949	-66.52	PK	35.2	-18.1	11.8	0	-37.62	-27	-10.62	286	212	H

VERTICAL PEAK AND AVERAGE PLOT

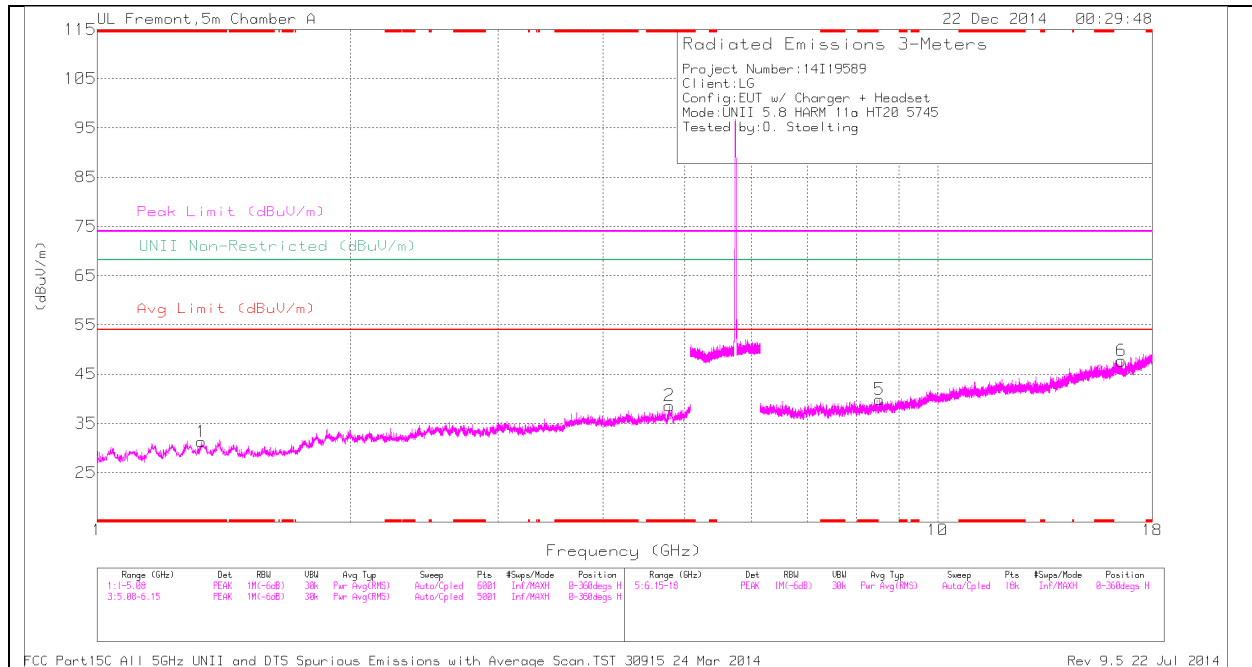


VERTICAL DATA

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbll Fltr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.1	PK	34.9	-18.7	11.8	0	-39.1	-17	-22.1	331	274	V
2	5.947	-65.87	PK	35.1	-18.1	11.8	0	-37.07	-27	-10.07	331	274	V

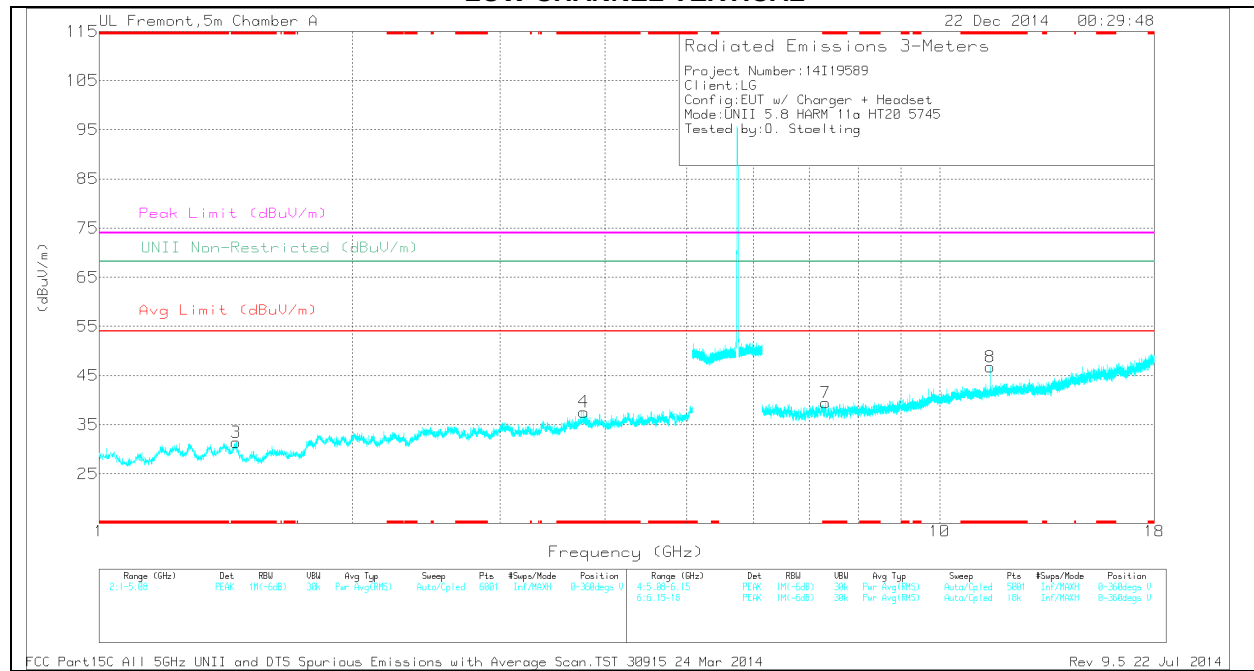
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.33	35.28	PK	30.1	-34.1	0	31.28	-	-	74	-42.72	-	-	0-360	201	H
2	* 4.795	32.9	PK	34	-28.3	0	38.6	-	-	74	-35.4	-	-	0-360	201	H
3	* 1.456	35.43	PK	29.2	-33.2	0	31.43	-	-	74	-42.57	-	-	0-360	100	V
4	* 3.774	33.7	PK	33.6	-29.7	0	37.6	-	-	74	-36.4	-	-	0-360	201	V
7	* 7.315	29.53	PK	35.2	-25.3	0	39.43	-	-	74	-34.57	-	-	0-360	100	V
8	* 11.489	30.25	PK	38.3	-21.8	0	46.75	-	-	74	-27.25	-	-	0-360	201	V
5	8.523	29.07	PK	35.7	-24.9	0	39.87	-	-	-	-	68.2	-28.33	0-360	201	H
6	16.552	26.53	PK	40.5	-19.3	0	47.73	-	-	-	-	68.2	-20.47	0-360	201	H

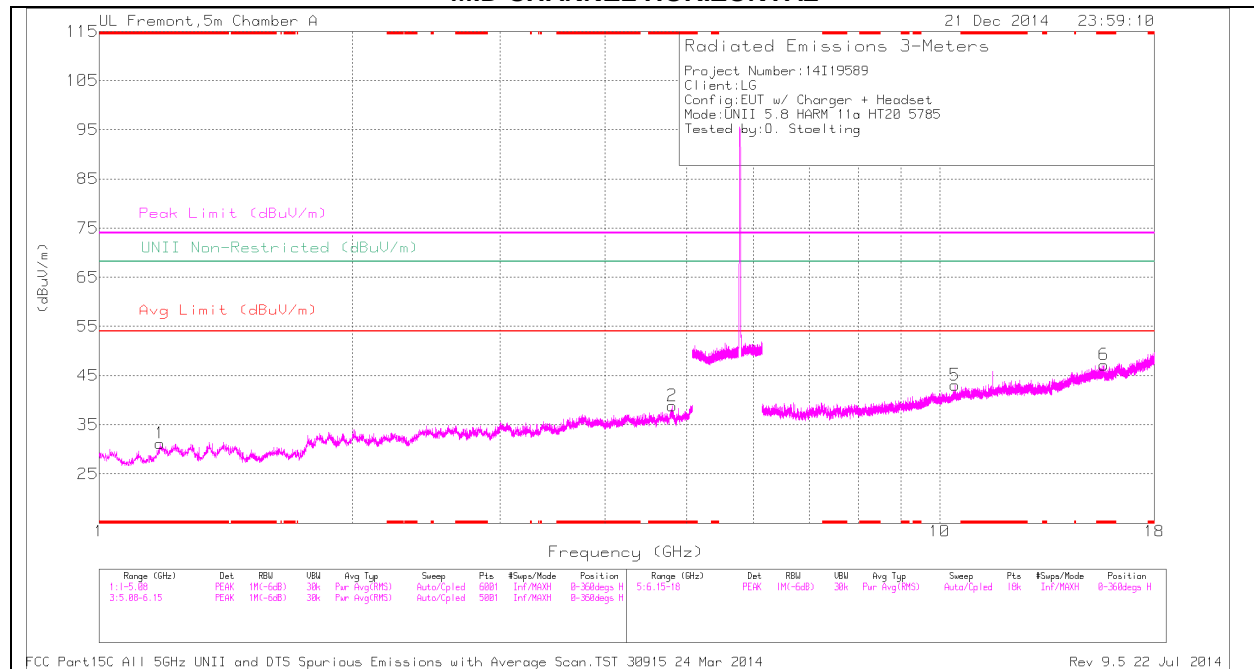
PK - Peak detector

RADIATED EMISSIONS

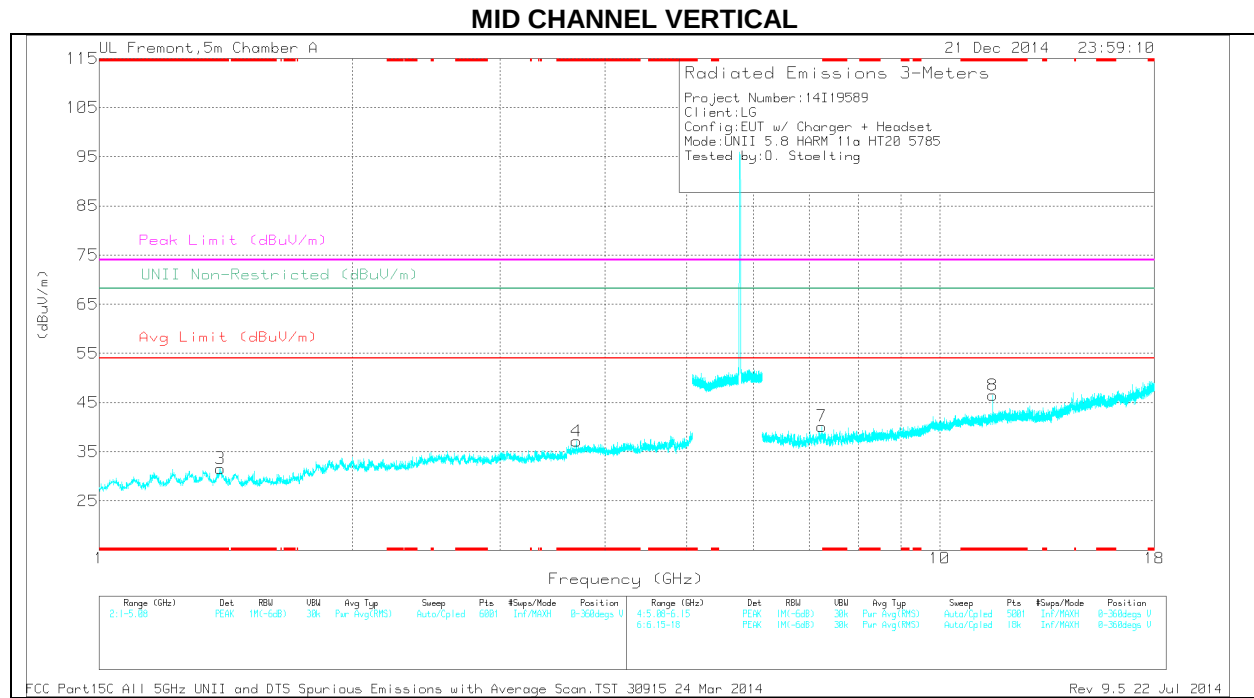
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.772	40.18	PK1	33.6	-29.7	0	44.08	-	-	74	-29.92	-	-	113	162	V
* 3.776	28.66	AD1	33.6	-29.7	.21	32.77	54	-21.23	-	-	-	-	113	162	V
* 11.49	36.17	PK1	38.3	-21.8	0	52.67	-	-	74	-21.33	-	-	36	239	V
* 11.49	29.06	AD1	38.3	-21.8	.21	45.77	54	-8.23	-	-	-	-	36	239	V

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MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

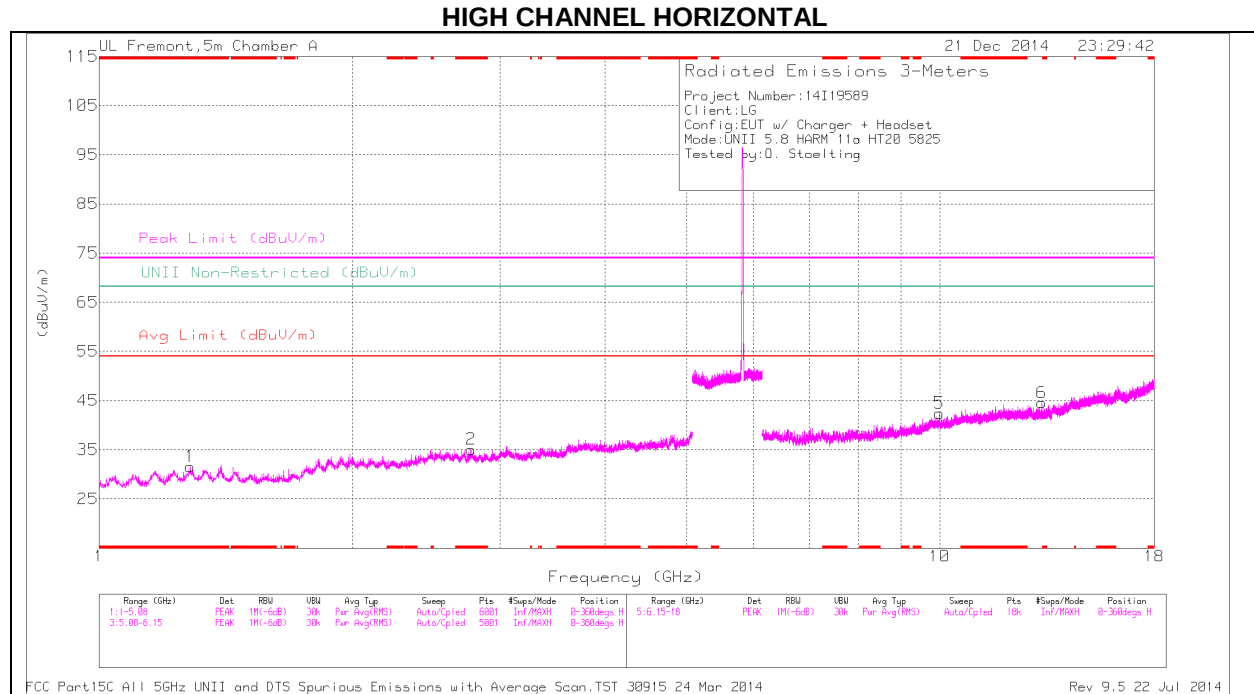
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbll/ Filtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.182	35.82	PK	29.1	-33.7	0	31.22	-	-	74	-42.78	-	-	0-360	100	H
2	* 4.809	33.47	PK	34	-28.6	0	38.87	-	-	74	-35.13	-	-	0-360	100	H
3	* 1.395	35.56	PK	29.8	-33.8	0	31.56	-	-	74	-42.44	-	-	0-360	201	V
4	* 3.698	33.74	PK	33.4	-30	0	37.14	-	-	74	-36.86	-	-	0-360	100	V
6	* 15.681	26.39	PK	40.4	-19.6	0	47.19	-	-	74	-26.81	-	-	0-360	201	H
8	* 11.57	29.89	PK	38.4	-21.8	0	46.49	-	-	74	-27.51	-	-	0-360	201	V
7	7.241	29.77	PK	35.2	-24.8	0	40.17	-	-	-	-	68.2	-28.03	0-360	100	V
5	10.431	27.07	PK	37.4	-21.4	0	43.07	-	-	-	-	68.2	-25.13	0-360	100	H

PK - Peak detector

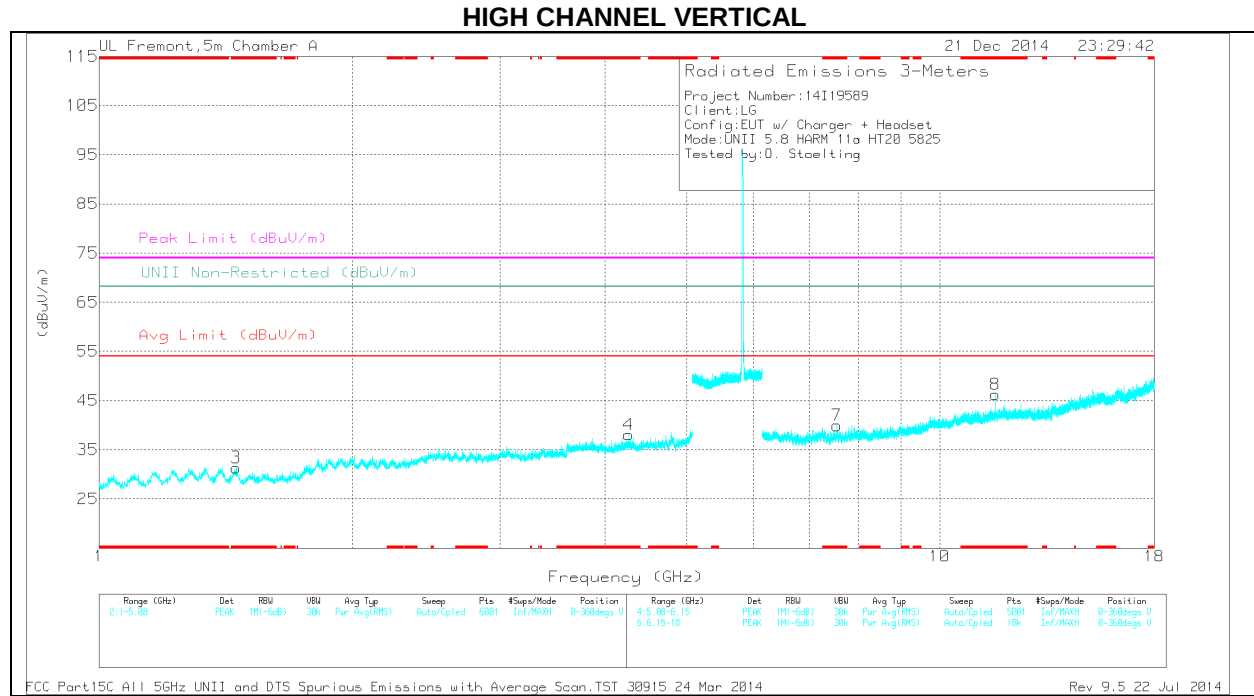
RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbll/ Filtr/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
* 1.397	42.76	PK1	29.8	-33.7	0	38.86	-	-	74	-35.14	-	-	110	396	V
* 1.397	31.03	AD1	29.8	-33.7	.21	27.34	54	-26.66	-	-	-	-	110	396	V
* 11.57	36.3	PK1	38.4	-21.8	0	52.9	-	-	74	-21.1	-	-	36	207	V
* 11.57	29.51	AD1	38.4	-21.8	.21	46.32	54	-7.68	-	-	-	-	36	207	V

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Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.284	35.68	PK	30.1	-34.2	0	31.58	-	-	74	-42.42	-	-	0-360	100	H
2	* 2.771	33.26	PK	32.7	-30.9	0	35.06	-	-	74	-38.94	-	-	0-360	201	H
3	* 1.456	35.33	PK	29.2	-33.2	0	31.33	-	-	74	-42.67	-	-	0-360	100	V
4	* 4.265	32.33	PK	34	-28.3	0	38.03	-	-	74	-35.97	-	-	0-360	201	V
7	* 7.548	29.23	PK	35.3	-24.6	0	39.93	-	-	74	-34.07	-	-	0-360	100	V
8	* 11.649	29.51	PK	38.6	-21.9	0	46.21	-	-	74	-27.79	-	-	0-360	201	V
5	9.984	28.14	PK	37.1	-22.8	0	42.44	-	-	-	-	68.2	-25.76	0-360	100	H
6	13.225	27.65	PK	39.1	-22.2	0	44.55	-	-	-	-	68.2	-23.65	0-360	100	H

PK - Peak detector

RADIATED EMISSIONS

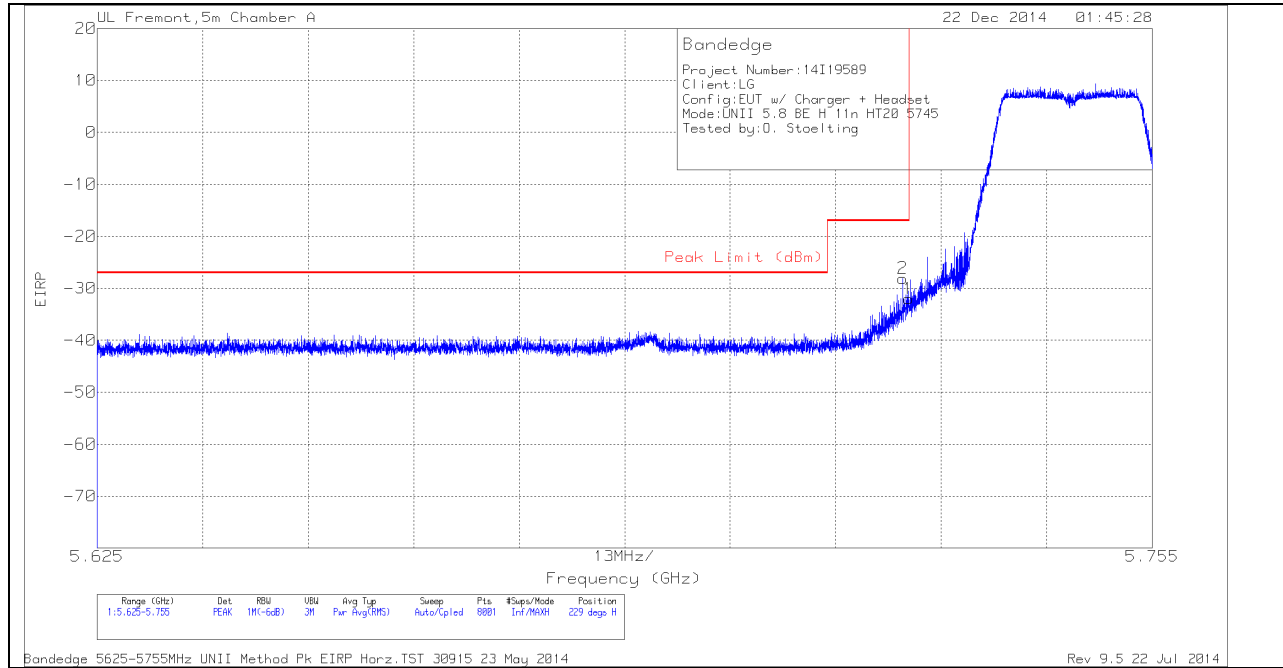
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.267	39.31	PK1	34	-28.3	0	45.01	-	-	74	-28.99	-	-	84	322	V
* 4.265	27.5	AD1	34	-28.3	.21	33.41	54	-20.59	-	-	-	-	84	322	V
* 11.65	36.38	PK1	38.6	-21.9	0	53.08	-	-	74	-20.92	-	-	32	234	V
* 11.65	29	AD1	38.6	-21.9	.21	45.91	54	-8.09	-	-	-	-	32	234	V

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11.4.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

AUTHORIZED BANDEGE (LOW CHANNEL)

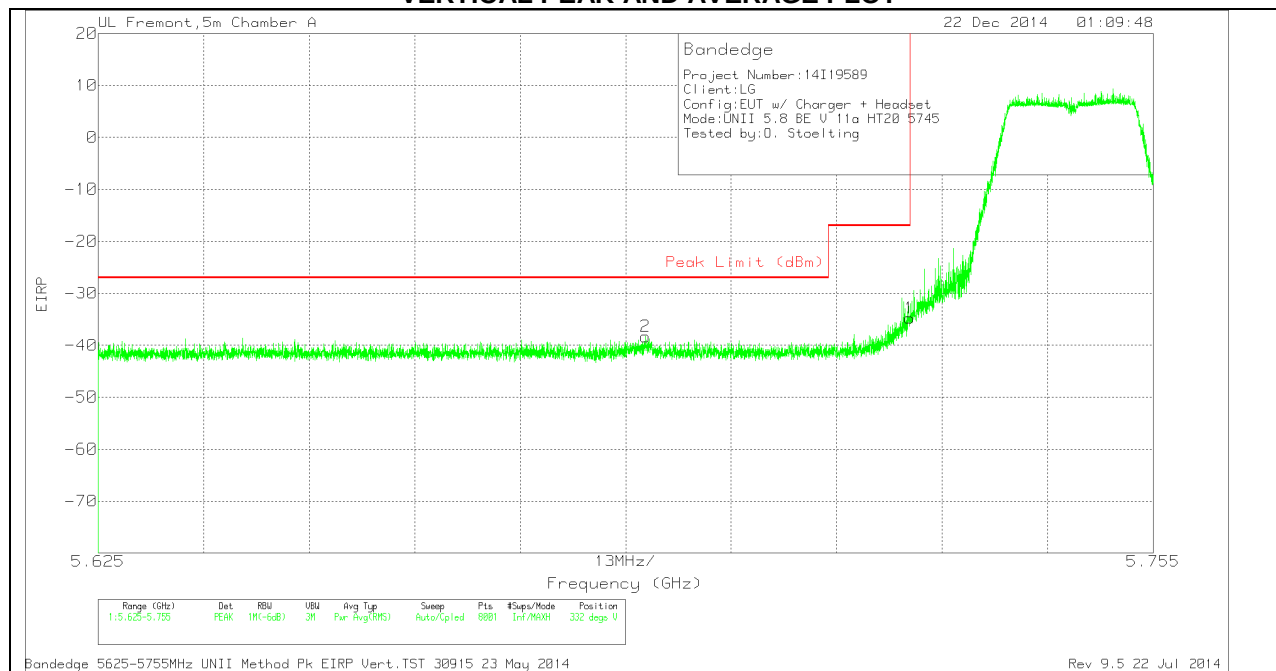
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.724	-55.49	PK	34.6	-19	11.8	0	-28.09	-17	-11.09	229	332	H
1	5.725	-59.4	PK	34.6	-19	11.8	0	-32	-17	-15	229	332	H

VERTICAL PEAK AND AVERAGE PLOT

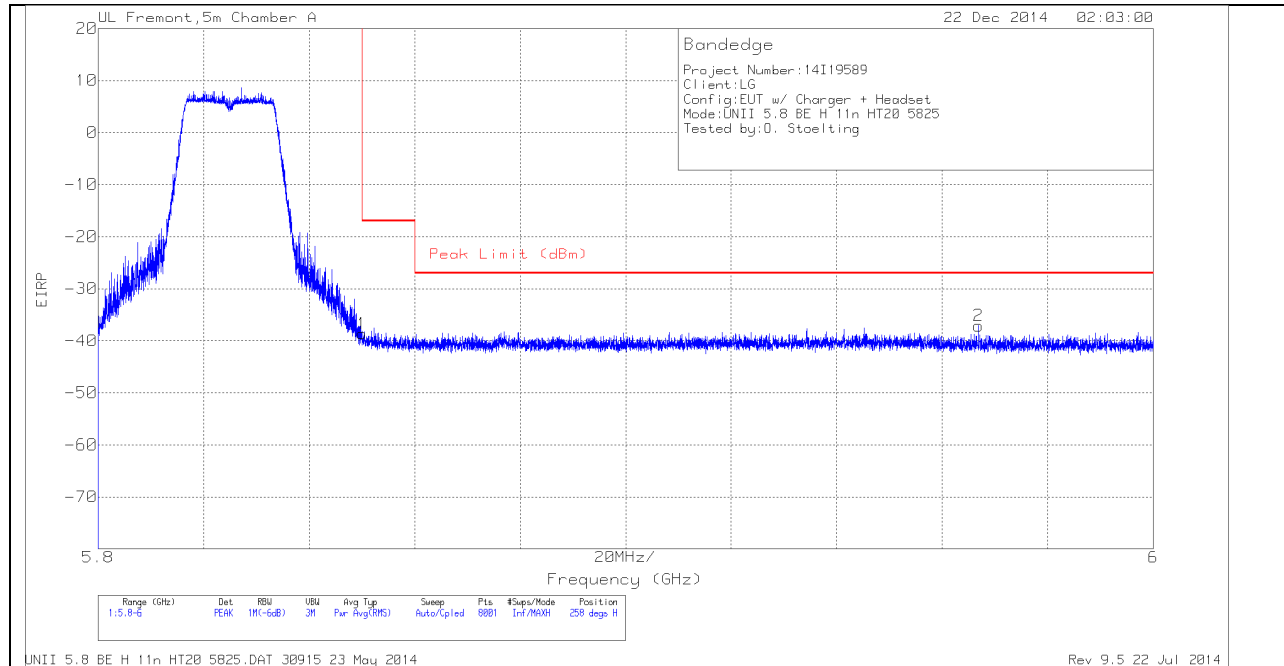


VERTICAL DATA

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb// Filtr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.692	-65.82	PK	34.5	-18.8	11.8	0	-38.32	-27	-11.32	332	283	V
1	5.725	-62.17	PK	34.6	-19	11.8	0	-34.77	-17	-17.77	332	283	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

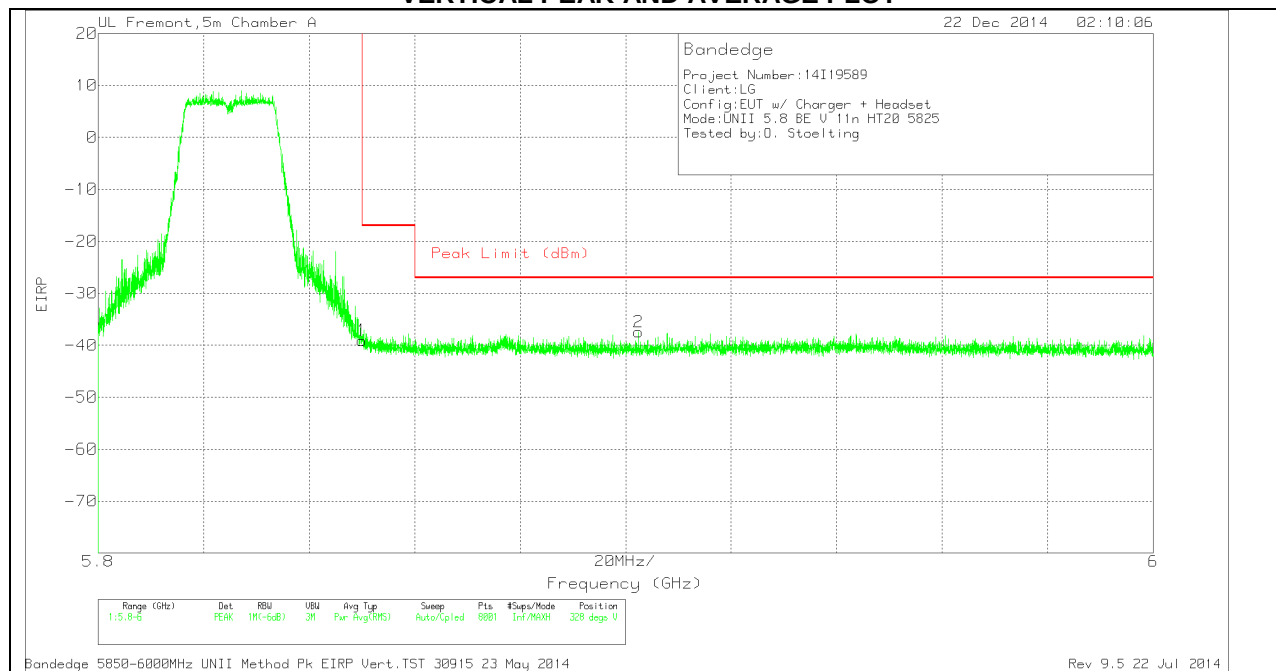
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb/I Filtr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.67	PK	34.9	-18.7	11.8	0	-38.67	-17	-21.67	258	274	H
2	5.967	-65.61	PK	35.2	-18.5	11.8	0	-37.11	-27	-10.11	258	274	H

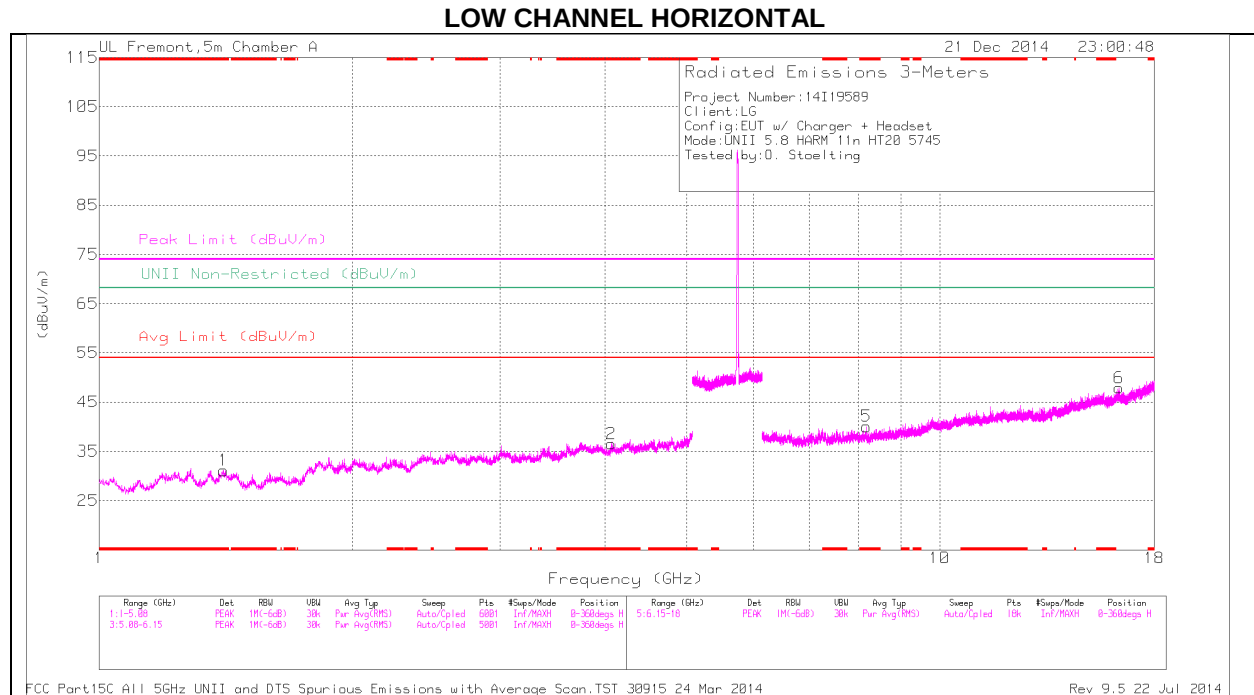
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

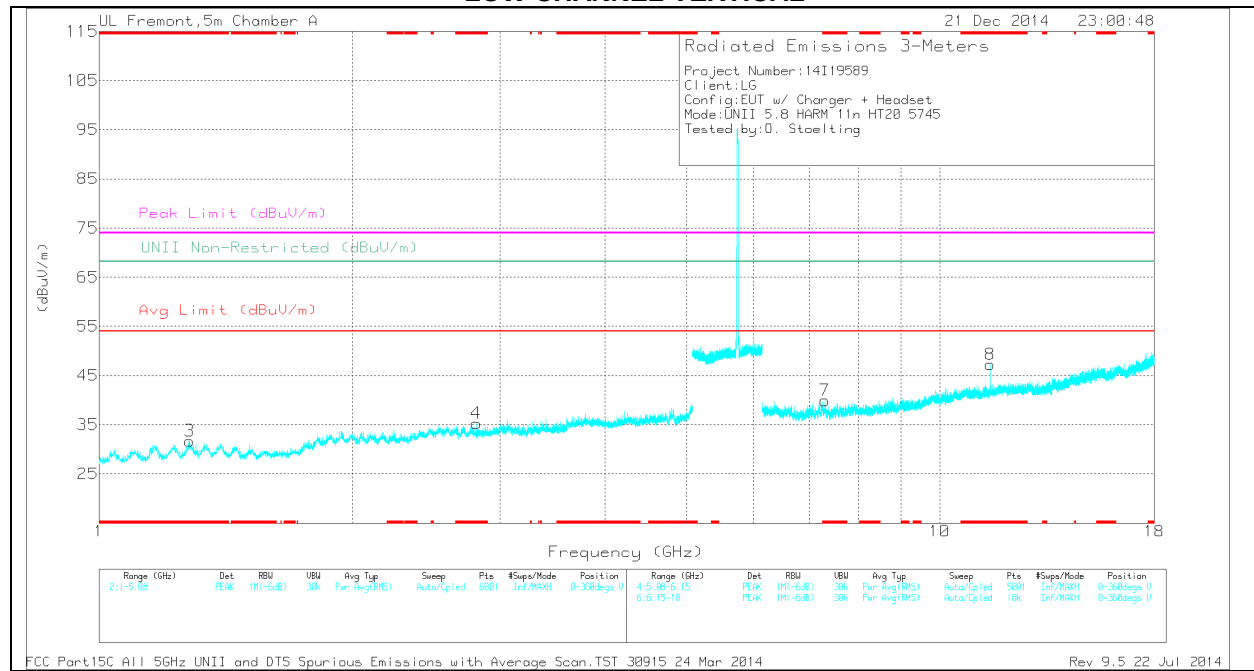
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbll Filtr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.09	PK	34.9	-18.7	11.8	0	-39.09	-17	-22.09	328	236	V
2	5.902	-65.74	PK	35	-18.5	11.8	0	-37.44	-27	-10.44	328	236	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.407	35.01	PK	29.7	-33.6	0	31.11	-	-	74	-42.89	-	-	0-360	201	H
2	* 4.066	32.4	PK	33.8	-29.7	0	36.5	-	-	74	-37.5	-	-	0-360	100	H
3	* 1.282	35.7	PK	30.1	-34.1	0	31.7	-	-	74	-42.3	-	-	0-360	201	V
4	* 2.812	33.99	PK	32.6	-31.3	0	35.29	-	-	74	-38.71	-	-	0-360	201	V
5	* 8.181	28.95	PK	35.6	-24.5	0	40.05	-	-	74	-33.95	-	-	0-360	201	H
7	* 7.302	29.92	PK	35.2	-25.2	0	39.92	-	-	74	-34.08	-	-	0-360	100	V
8	* 11.49	30.75	PK	38.3	-21.8	0	47.25	-	-	74	-26.75	-	-	0-360	201	V
6	16.351	26.01	PK	40.7	-18.8	0	47.91	-	-	-	-	68.2	-20.29	0-360	201	H

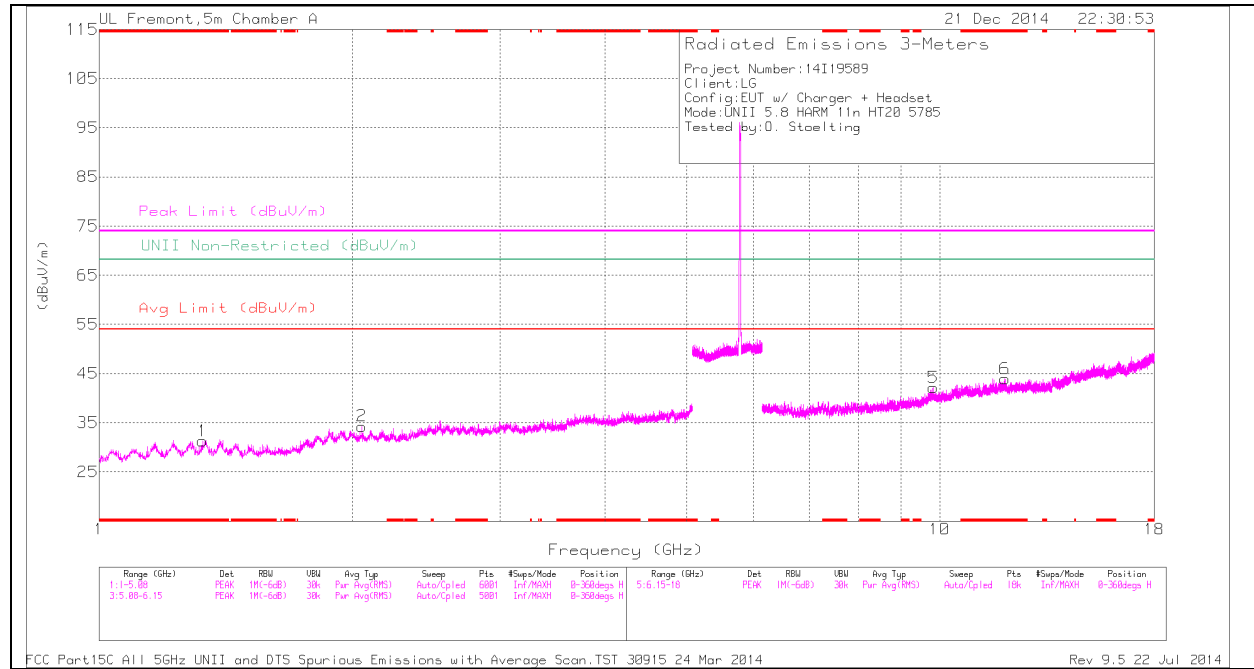
PK - Peak detector

RADIATED EMISSIONS

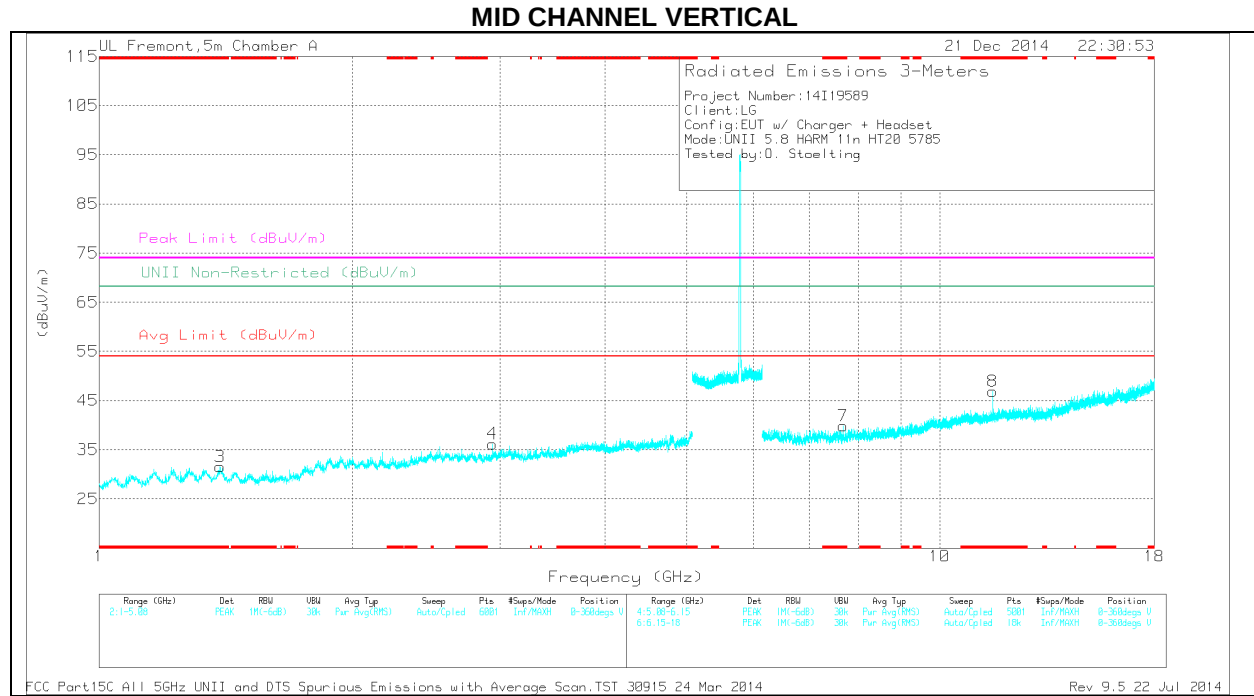
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.302	36.18	PK1	35.2	-25.2	0	46.18	-	-	74	-27.82	-	-	200	141	V
* 7.3	24.96	AD1	35.2	-25.2	.24	35.2	54	-18.8	-	-	-	-	200	141	V
* 11.49	36.72	PK1	38.3	-21.8	0	53.22	-	-	74	-20.78	-	-	28	261	V
* 11.49	29	AD1	38.3	-21.8	.24	45.74	54	-8.26	-	-	-	-	28	261	V

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MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.328	35.37	PK	30.1	-34.2	0	31.27	-	-	74	-42.73	-	-	0-360	201	H
3	* 1.393	35.45	PK	29.9	-33.8	0	31.55	-	-	74	-42.45	-	-	0-360	100	V
6	* 11.957	26.45	PK	38.9	-21.4	0	43.95	-	-	74	-30.05	-	-	0-360	100	H
7	* 7.681	30.36	PK	35.4	-25.9	0	39.86	-	-	74	-34.14	-	-	0-360	100	V
8	* 11.57	30.28	PK	38.4	-21.8	0	46.88	-	-	74	-27.12	-	-	0-360	201	V
2	2.053	35.29	PK	31.9	-32.9	0	34.29	-	-	-	-	68.2	-33.91	0-360	201	H
4	2.939	34.79	PK	32.7	-31.3	0	36.19	-	-	-	-	68.2	-32.01	0-360	100	V
5	9.829	27.86	PK	36.9	-22.6	0	42.16	-	-	-	-	68.2	-26.04	0-360	100	H

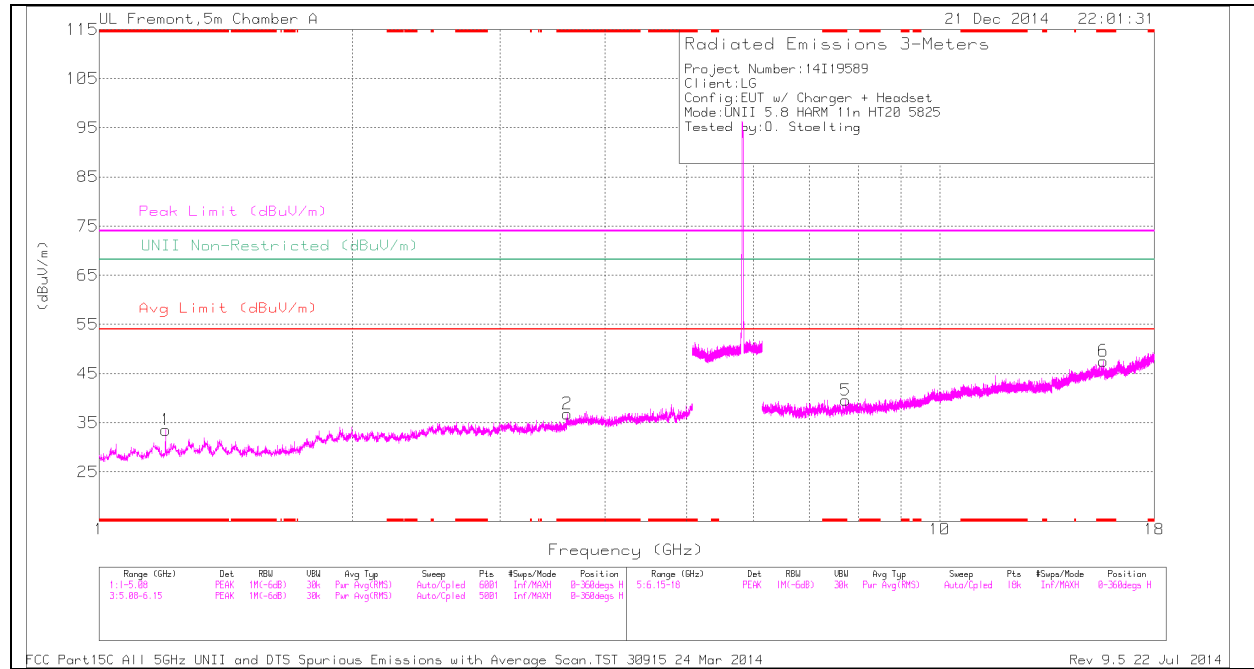
PK - Peak detector

RADIATED EMISSIONS

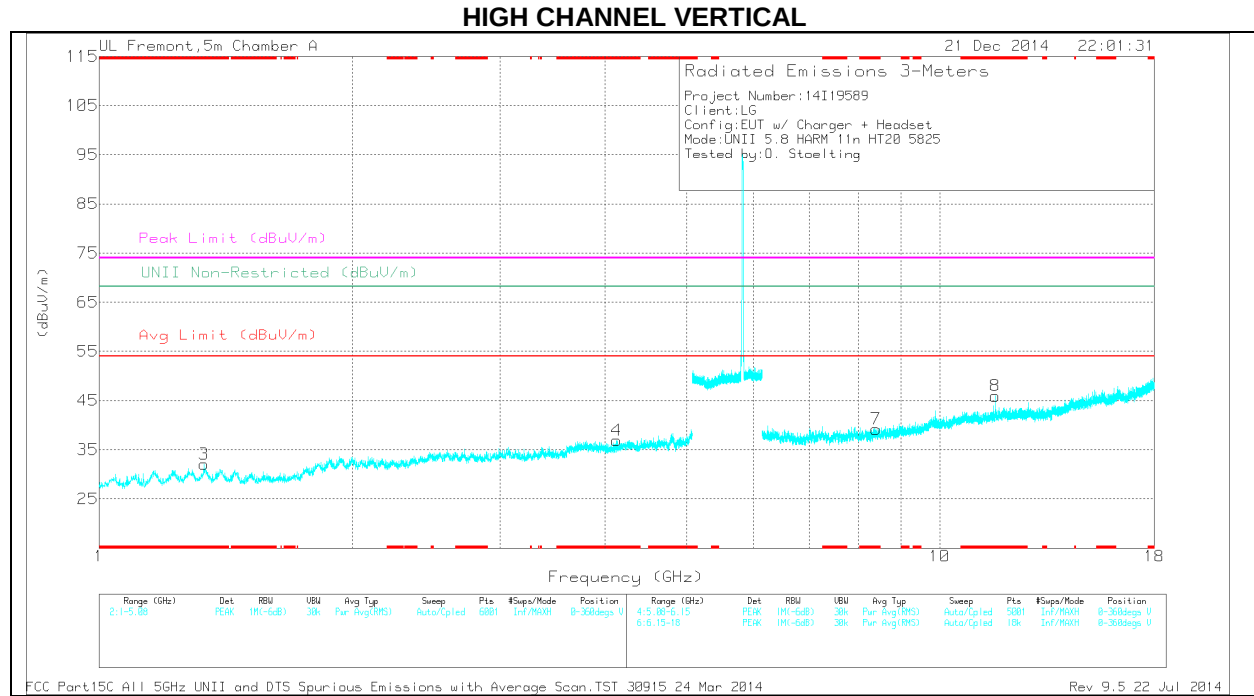
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/F tr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.679	36.35	PK1	35.4	-26	0	45.75	-	-	74	-28.25	-	-	328	229	V
* 7.68	25.38	AD1	35.4	-26	.24	35.02	54	-18.98	-	-	-	-	328	229	V
* 11.57	36.24	PK1	38.4	-21.8	0	52.84	-	-	74	-21.16	-	-	23	185	V
* 11.57	28.79	AD1	38.4	-21.8	.24	45.63	54	-8.37	-	-	-	-	23	185	V

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HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.2	37.94	PK	29.3	-33.7	0	33.54	-	-	74	-40.46	-	-	0-360	100	H
2	* 3.606	34.13	PK	33.2	-30.5	0	36.83	-	-	74	-37.17	-	-	0-360	201	H
3	* 1.334	36.06	PK	30.1	-34.1	0	32.06	-	-	74	-41.94	-	-	0-360	201	V
4	* 4.128	32.99	PK	33.9	-30	0	36.89	-	-	74	-37.11	-	-	0-360	100	V
5	* 7.729	30.08	PK	35.4	-25.9	0	39.58	-	-	74	-34.42	-	-	0-360	201	H
6	* 15.656	26.35	PK	40.4	-19.2	0	47.55	-	-	74	-26.45	-	-	0-360	201	H
7	* 8.401	28.37	PK	35.7	-24.9	0	39.17	-	-	74	-34.83	-	-	0-360	201	V
8	* 11.65	29.24	PK	38.6	-21.9	0	45.94	-	-	74	-28.06	-	-	0-360	201	V

PK - Peak detector

RADIATED EMISSIONS

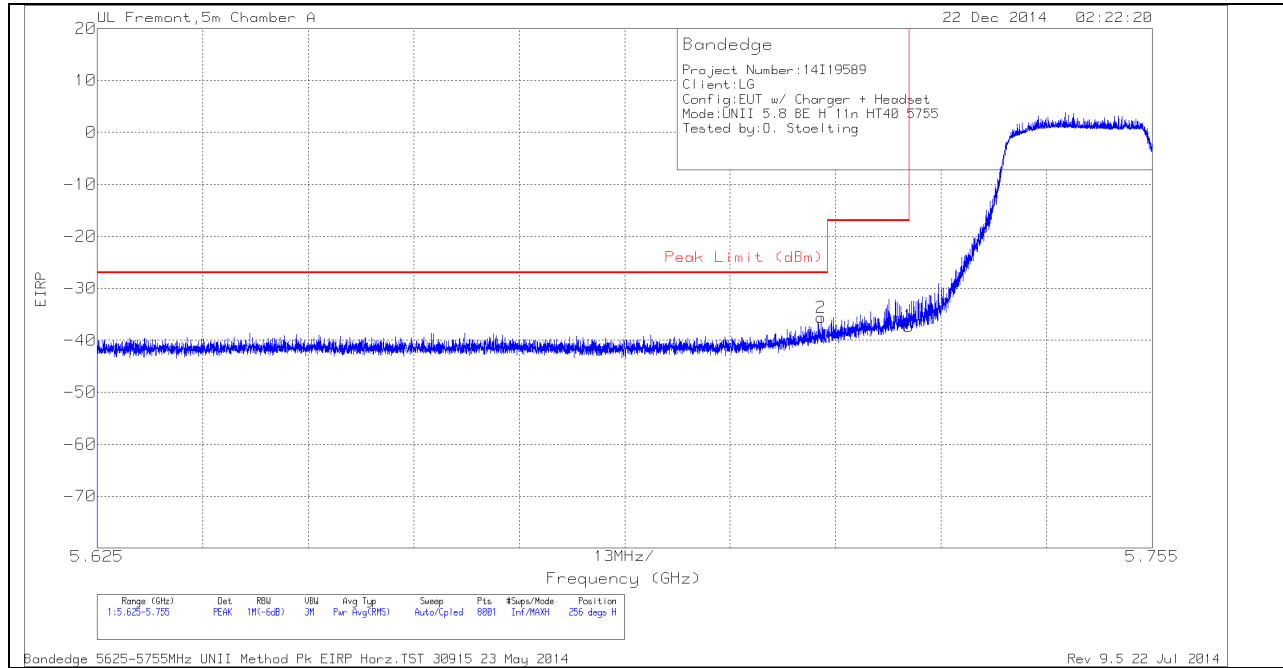
Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.2	45.44	PK1	29.3	-33.7	0	41.04	-	-	74	-32.96	-	-	156	103	H
* 1.202	30.08	AD1	29.3	-33.7	.24	25.92	54	-28.08	-	-	-	-	156	103	H
* 11.65	36.86	PK1	38.6	-21.9	0	53.56	-	-	74	-20.44	-	-	249	137	V
* 11.65	28.68	AD1	38.6	-21.9	.24	45.62	54	-8.38	-	-	-	-	249	137	V

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11.4.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

AUTHORIZED BANDEGE (LOW CHANNEL)

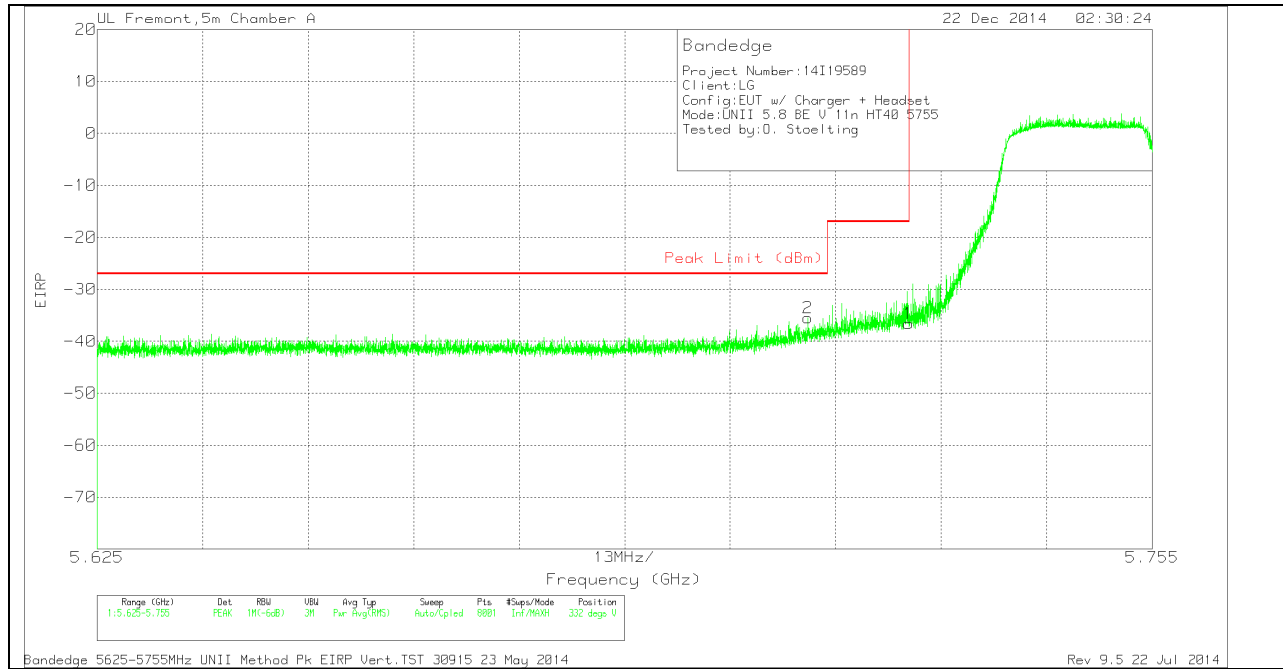
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.714	-63.14	PK	34.6	-18.9	11.8	0	-35.64	-27	-8.64	256	254	H
1	5.725	-64.63	PK	34.6	-19	11.8	0	-37.23	-17	-20.23	256	254	H

VERTICAL PEAK AND AVERAGE PLOT

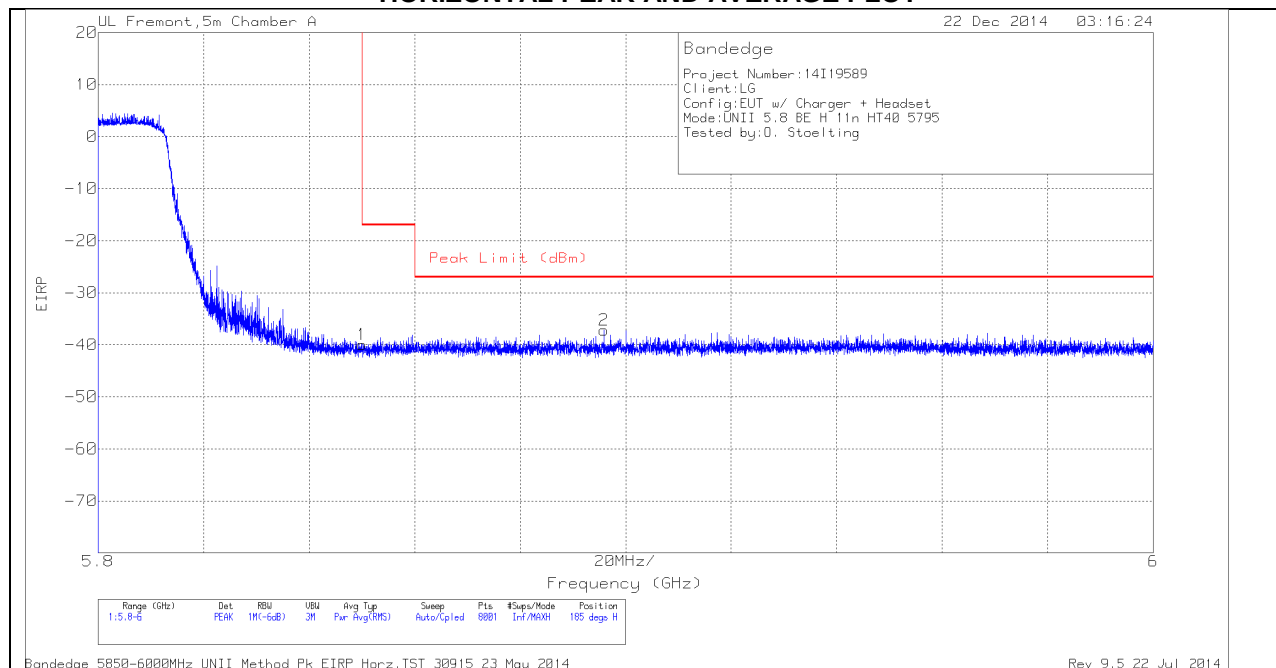


VERTICAL DATA

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbll Fltr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-62.93	PK	34.5	-18.9	11.8	0	-35.53	-27	-8.53	332	316	V
1	5.725	-63.99	PK	34.6	-19	11.8	0	-36.59	-17	-19.59	332	316	V

AUTHORIZED BANDEDGE (HIGH CHANNEL)

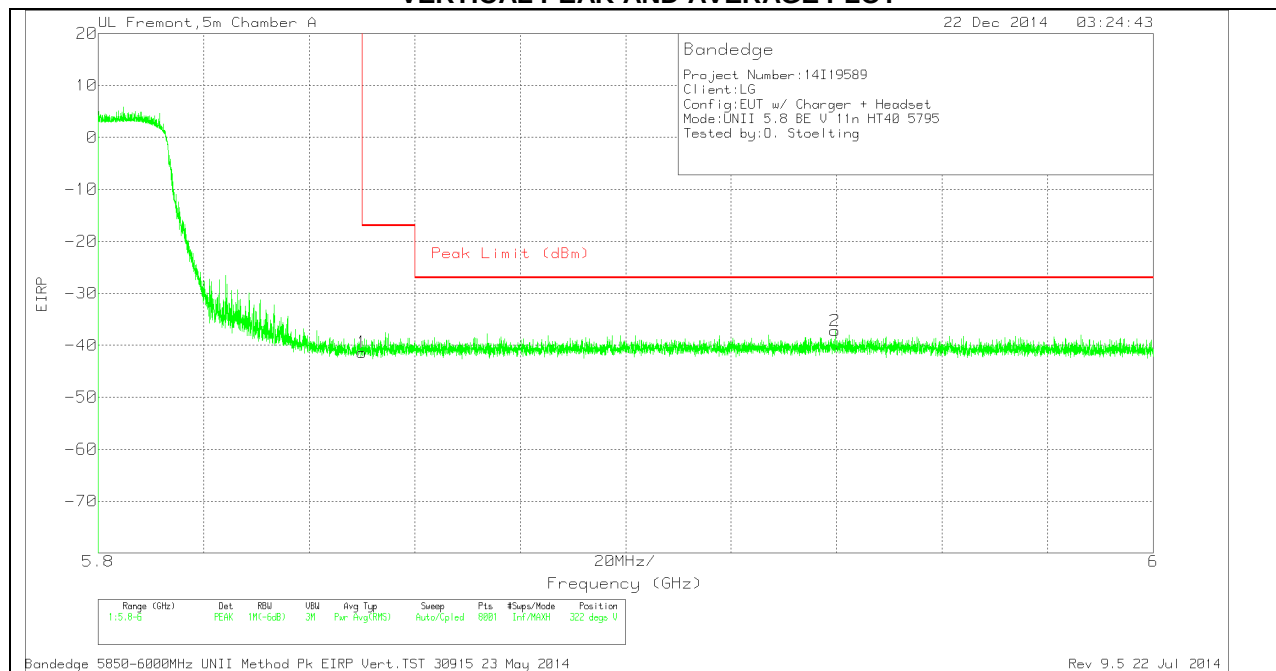
HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cb/I Filtr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68	PK	34.9	-18.7	11.8	0	-40	-17	-23	185	349	H
2	5.896	-65.5	PK	35	-18.5	11.8	0	-37.2	-27	-10.2	185	349	H

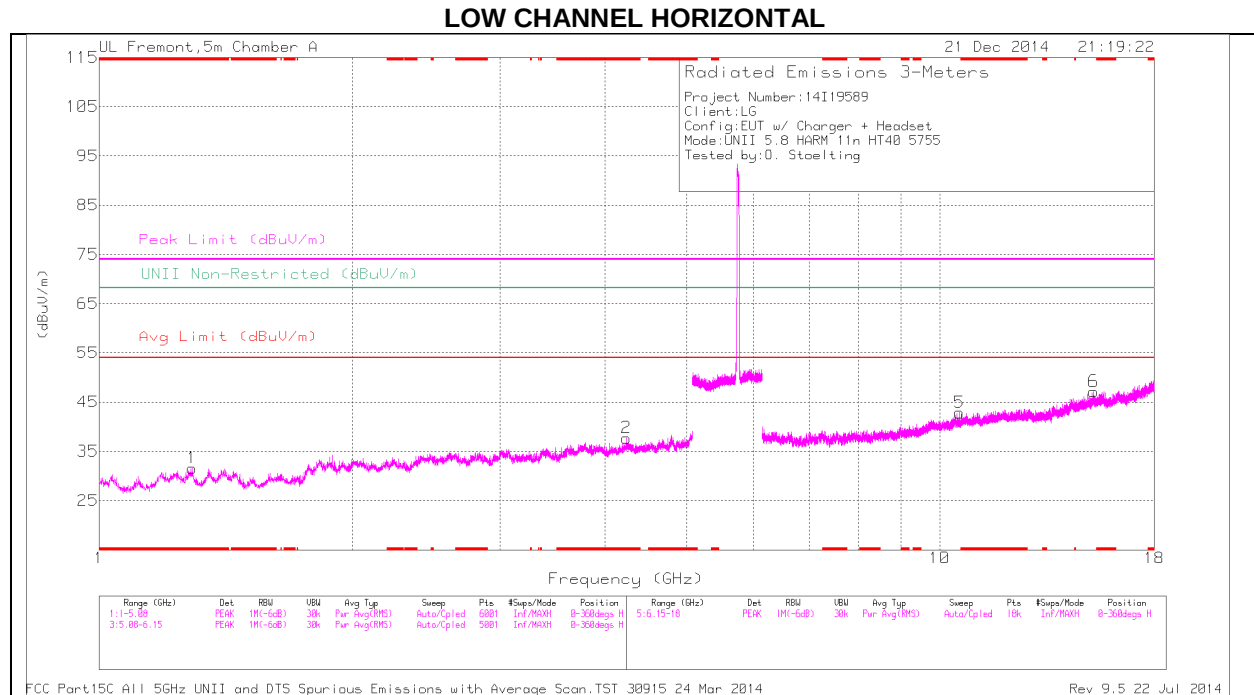
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

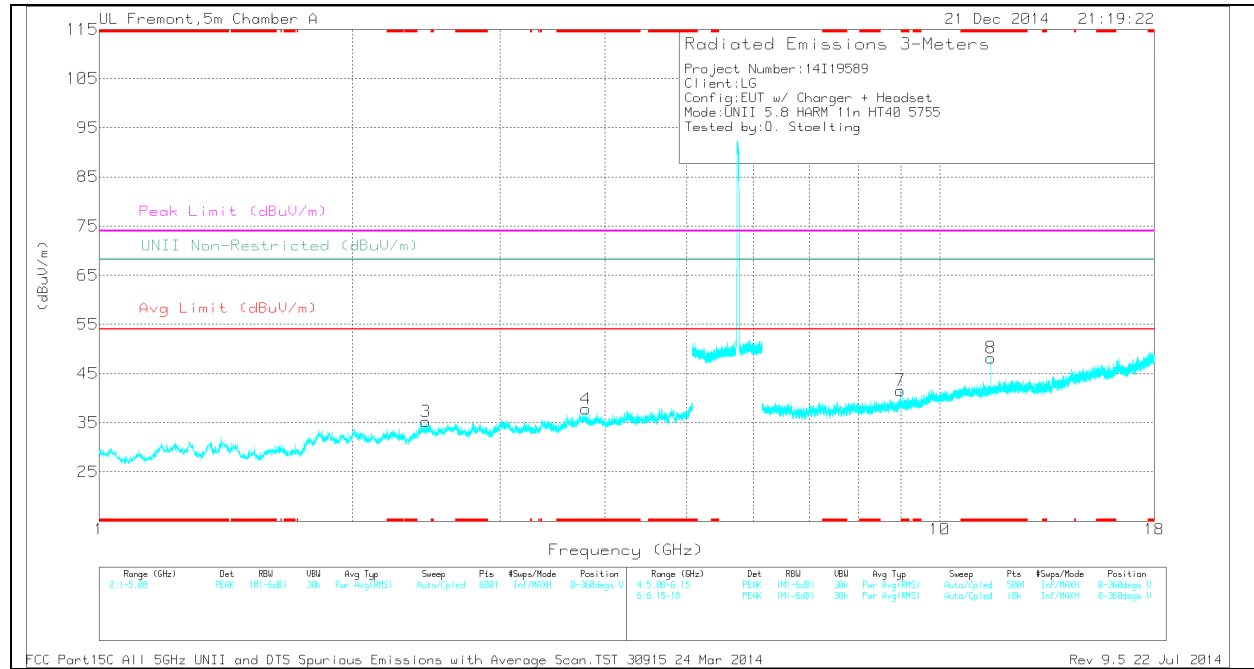
Marker	Frequen cy (GHz)	Meter Reading (dBm)	Det	AF T136 (dB/m)	Amp/Cbll Filtr/Pad (dB)	Conversi on Factor (dB)	DC Corr (dB)	Correcte d Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.39	PK	34.9	-18.7	11.8	0	-41.39	-17	-24.39	322	308	V
2	5.94	-66.08	PK	35.1	-18	11.8	0	-37.18	-27	-10.18	322	308	V

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

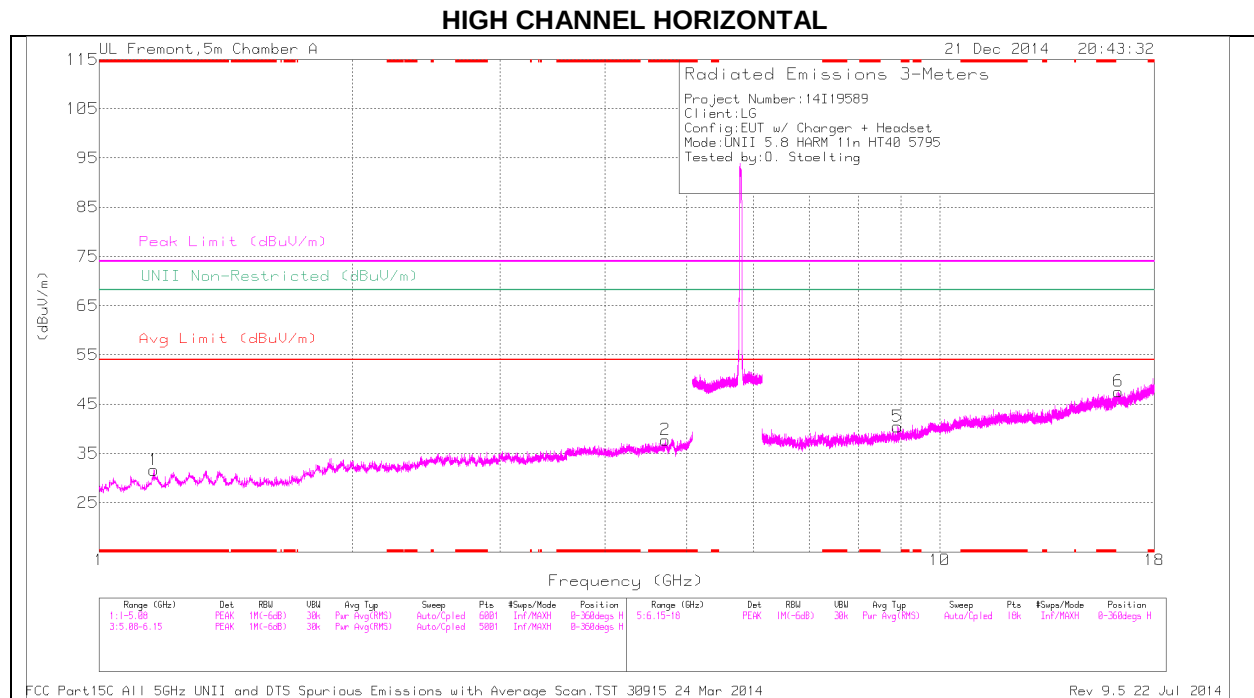
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.291	35.61	PK	30.2	-34.2	0	31.61	-	-	74	-42.39	-	-	0-360	100	H
2	* 4.237	32.14	PK	33.9	-28.3	0	37.74	-	-	74	-36.26	-	-	0-360	100	H
4	* 3.794	33.47	PK	33.6	-29.3	0	37.77	-	-	74	-36.23	-	-	0-360	100	V
8	* 11.51	31.48	PK	38.3	-21.6	0	48.18	-	-	74	-25.82	-	-	0-360	201	V
3	2.448	34.43	PK	32.6	-31.8	0	35.23	-	-	-	-	68.2	-32.97	0-360	201	V
7	8.983	29.66	PK	35.9	-24	0	41.56	-	-	-	-	68.2	-26.64	0-360	100	V
5	10.549	27.37	PK	37.6	-22.1	0	42.87	-	-	-	-	68.2	-25.33	0-360	100	H
6	15.241	26.95	PK	40.6	-20.4	0	47.15	-	-	-	-	68.2	-21.05	0-360	201	H

PK - Peak detector

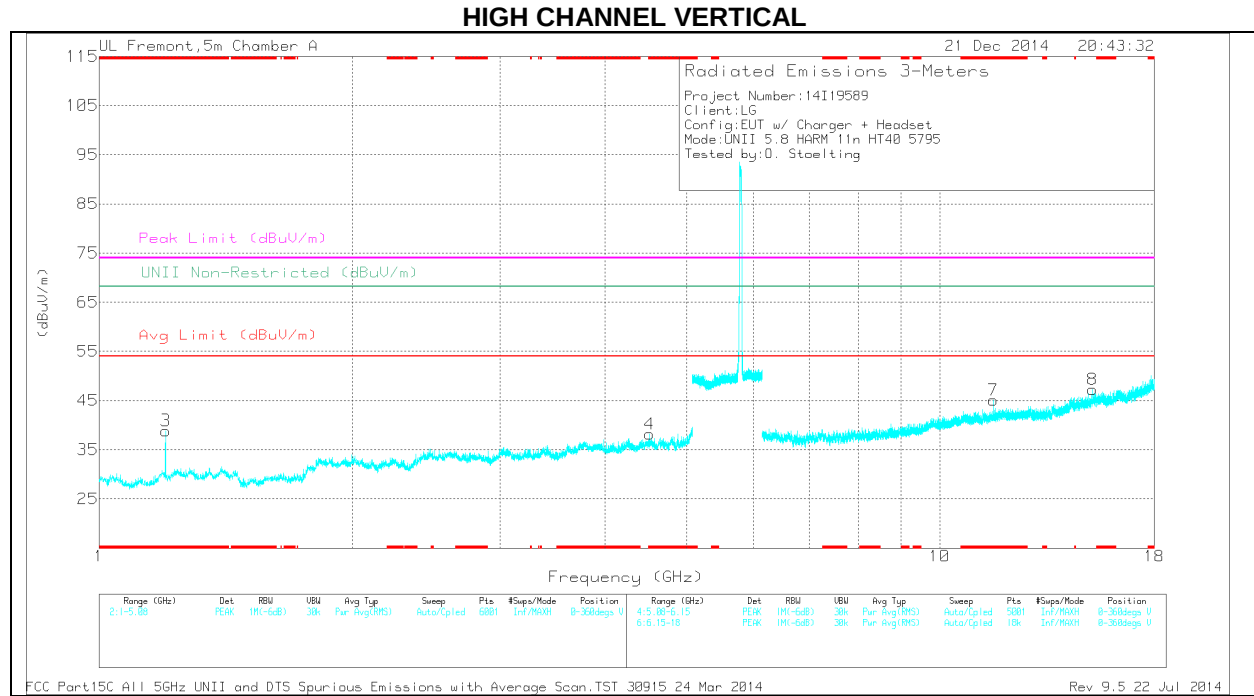
RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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
* 4.237	39.31	PK1	33.9	-28.3	0	44.91	-	-	74	-29.09	-	-	333	208	H
* 4.236	27.28	AD1	33.9	-28.3	.47	33.35	54	-20.65	-	-	-	-	333	208	H
* 3.796	40.38	PK1	33.6	-29.4	0	44.58	-	-	74	-29.42	-	-	148	327	V
* 3.794	27.99	AD1	33.6	-29.3	.47	32.76	54	-21.24	-	-	-	-	148	327	V
* 11.51	36.09	PK1	38.3	-21.6	0	52.79	-	-	74	-21.21	-	-	31	216	V
* 11.51	28.76	AD1	38.3	-21.6	.47	45.93	54	-8.07	-	-	-	-	31	216	V

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Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/ Ftr/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- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.163	36.33	PK	28.9	-33.6	0	31.63	-	-	74	-42.37	-	-	0-360	201	H
2	* 4.716	32.64	PK	34	-28.9	0	37.74	-	-	74	-36.26	-	-	0-360	201	H
3	* 1.2	43.25	PK	29.3	-33.7	0	38.85	-	-	74	-35.15	-	-	0-360	201	V
4	* 4.52	32.88	PK	33.9	-28.6	0	38.18	-	-	74	-35.82	-	-	0-360	201	V
7	* 11.59	28.4	PK	38.4	-21.7	0	45.1	-	-	74	-28.9	-	-	0-360	201	V
5	8.908	29.24	PK	35.8	-24.6	0	40.44	-	-	-	-	68.2	-27.76	0-360	100	H
8	15.209	26.65	PK	40.6	-20	0	47.25	-	-	-	-	68.2	-20.95	0-360	100	V
6	16.312	25.57	PK	40.7	-18.7	0	47.57	-	-	-	-	68.2	-20.63	0-360	201	H

PK - Peak detector

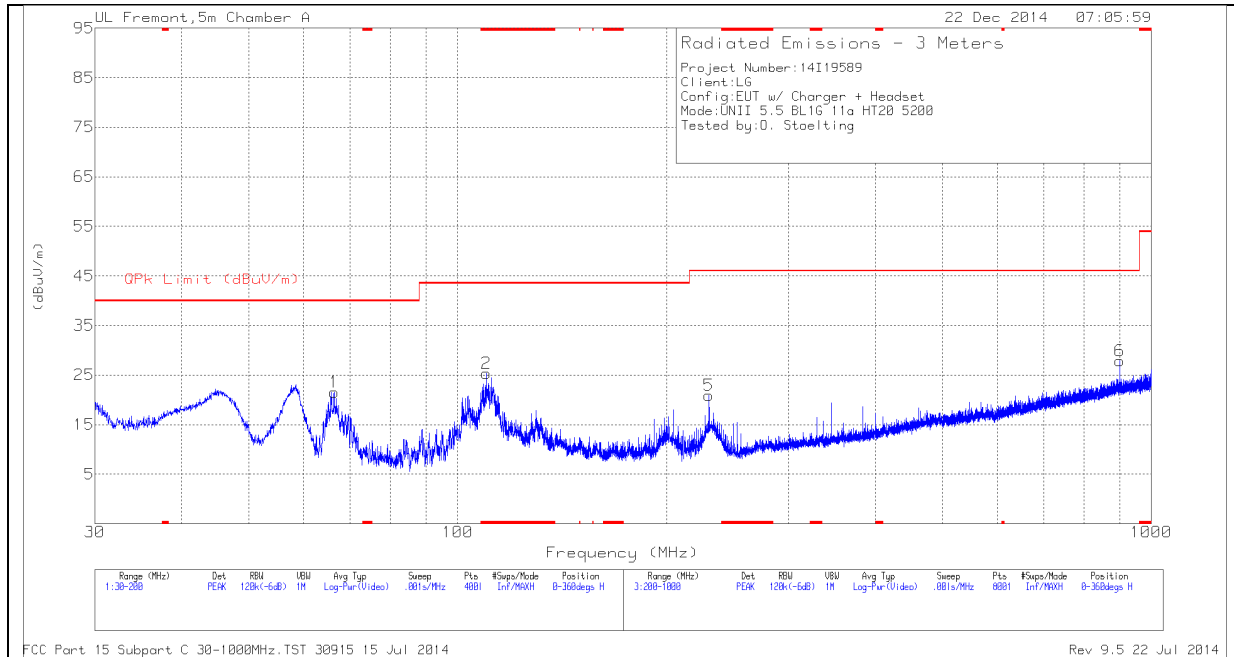
RADIATED EMISSIONS

Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Ampl/Cbl/F tr/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
* 1.2	47.13	PK1	29.3	-33.7	0	42.73	-	-	74	-31.27	-	-	111	281	V
* 1.2	31.25	AD1	29.3	-33.7	.47	27.32	54	-26.68	-	-	-	-	111	281	V
* 11.59	35.19	PK1	38.4	-21.7	0	51.89	-	-	74	-22.11	-	-	34	255	V
* 11.59	28.05	AD1	38.4	-21.7	.47	45.22	54	-8.78	-	-	-	-	34	255	V

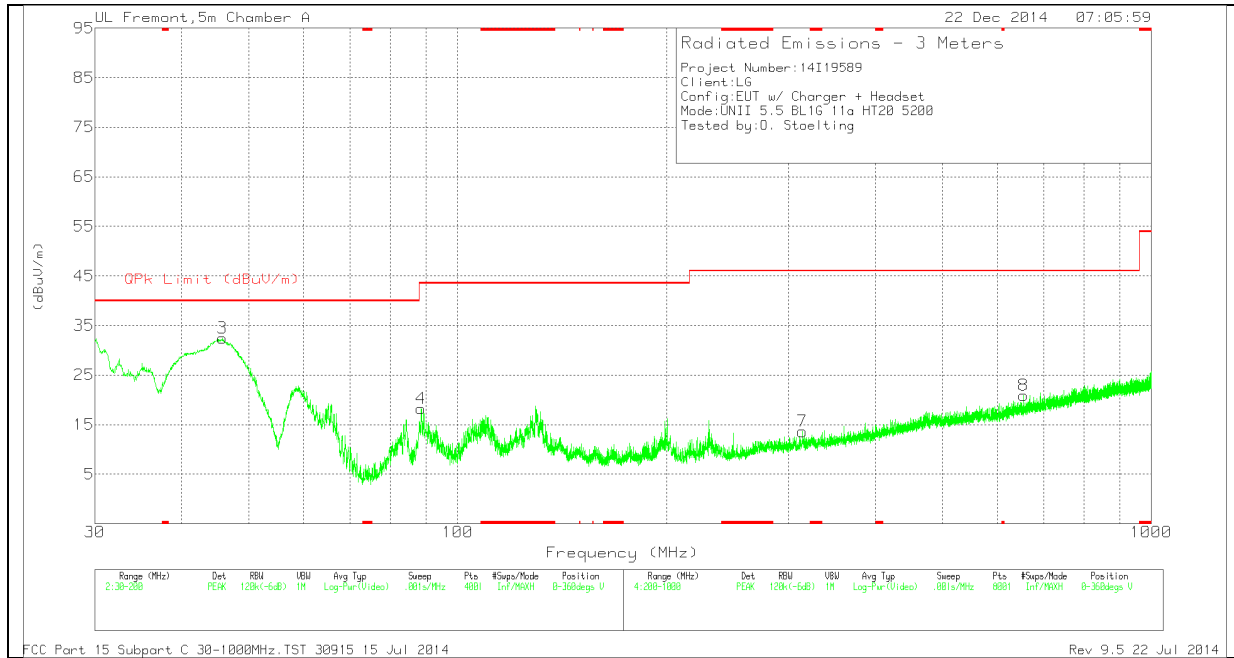
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12. WORST-CASE BELOW 1 GHz (in the 5.3 GHz Band)

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



Below 1G Data

Marker	Frequenc y (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	DC Corr (dB)	Correcte d Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 109.985	43.2	PK	12.6	-30.5	0	25.3	43.52	-18.22	0-360	200	H
3	45.7675	53.32	PK	10.1	-31	0	32.42	40	-7.58	0-360	101	V
1	66.38	44.49	PK	8	-30.9	0	21.59	40	-18.41	0-360	300	H
4	88.6075	41.31	PK	7.5	-30.6	0	18.21	43.52	-25.31	0-360	101	V
5	230.4	39.61	PK	11.1	-29.8	0	20.91	46.02	-25.11	0-360	101	H
7	314.3	29.11	PK	13.8	-29.3	0	13.61	46.02	-32.41	0-360	200	V
8	654.1	29.65	PK	19.6	-28.3	0	20.95	46.02	-25.07	0-360	300	V
6	900	32.99	PK	22.3	-27.4	0	27.89	46.02	-18.13	0-360	101	H

13. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 [*]	56 to 46 [*]
0.5-5	56	46
5-30	60	50

^{*} Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

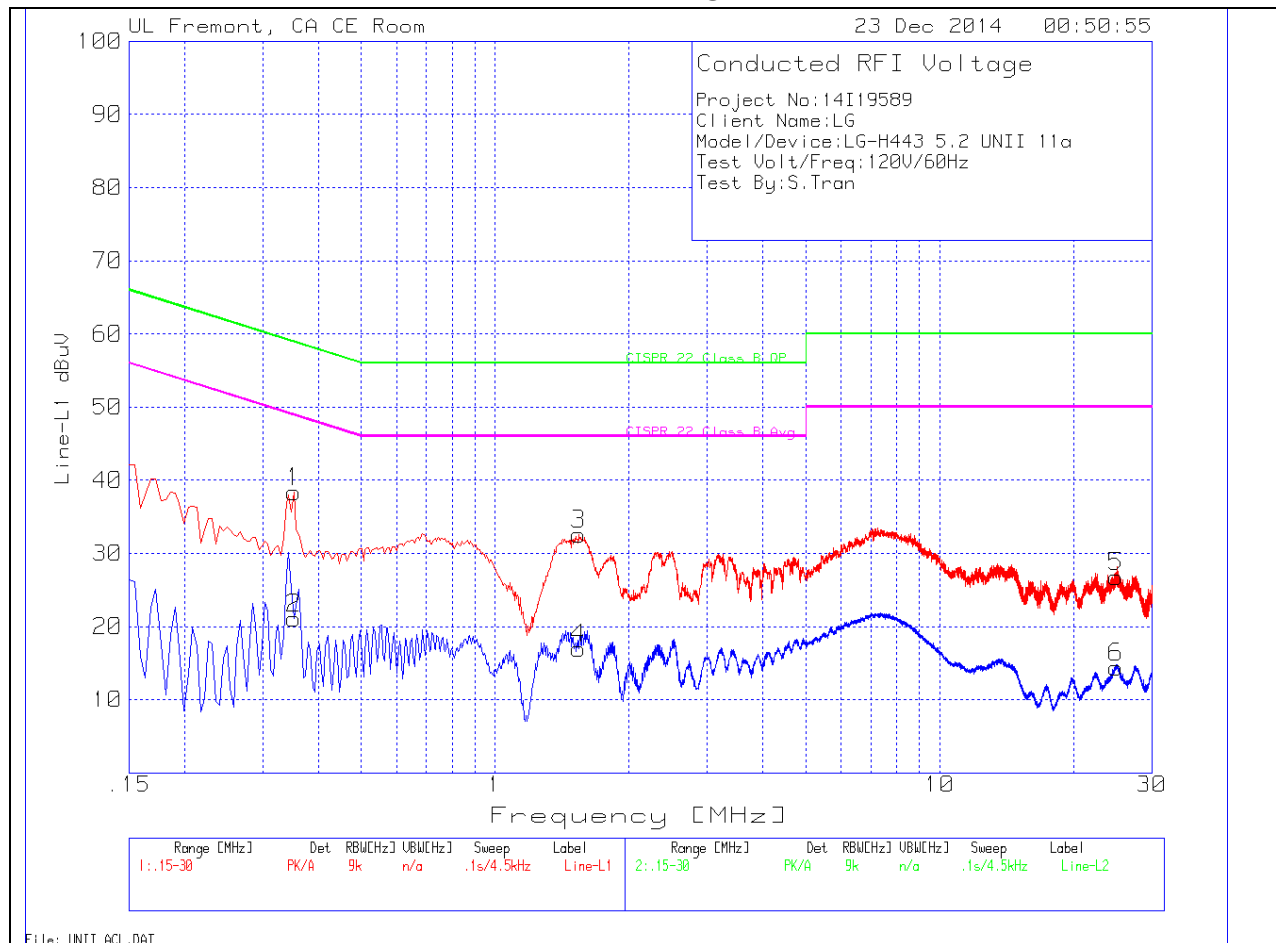
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT

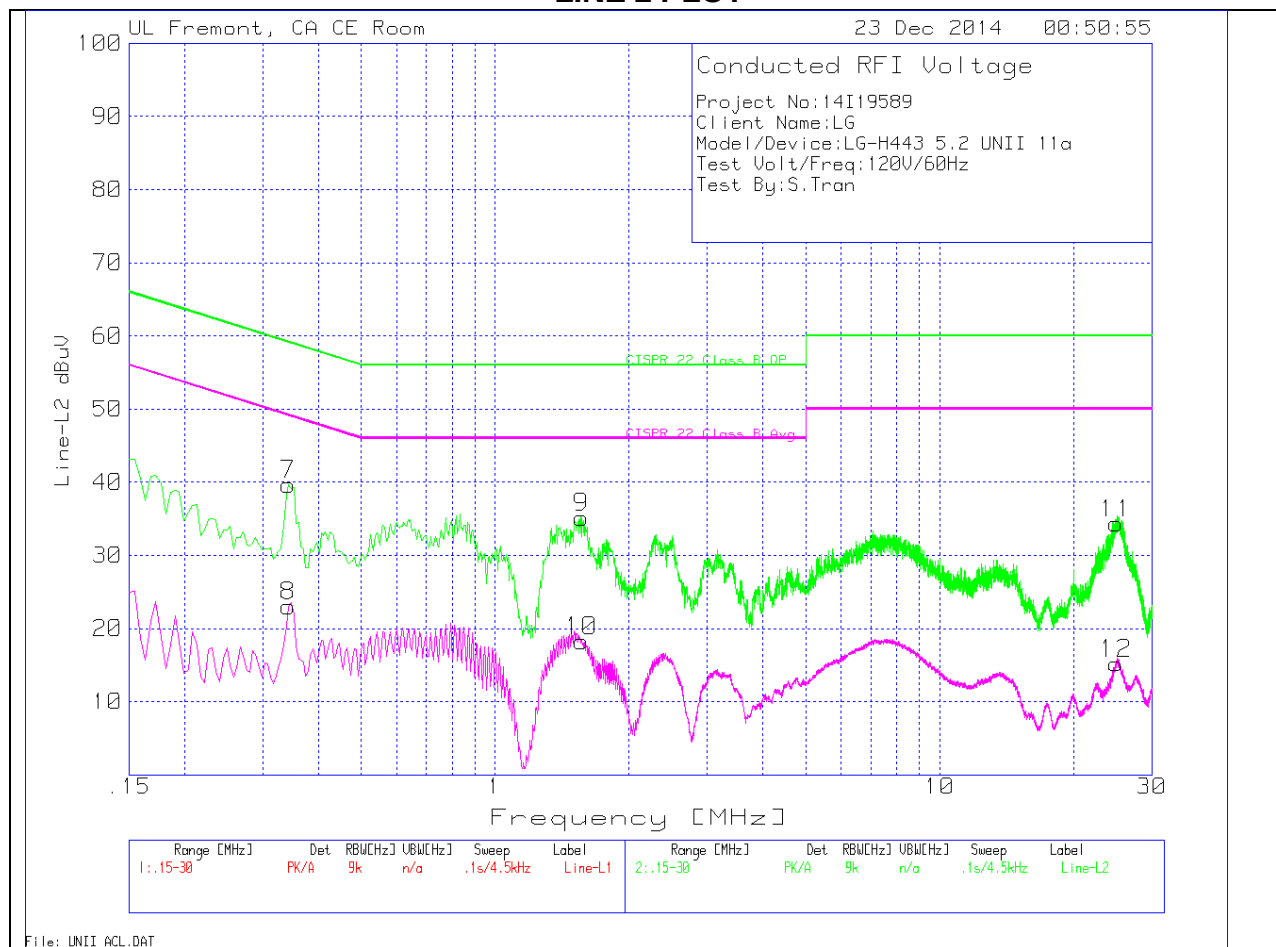


LINE 1 RESULTS

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
1	.3525	37.93	PK	.5	0	38.43	58.9	-20.47	-	-
2	.3525	20.59	Av	.5	0	21.09	-	-	48.9	-27.81
3	1.5405	32.29	PK	.2	.1	32.59	56	-23.41	-	-
4	1.5405	16.7	Av	.2	.1	17	-	-	46	-29
5	24.918	26.32	PK	.3	.2	26.82	60	-33.18	-	-
6	24.918	13.95	Av	.3	.2	14.45	-	-	50	-35.55

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
7	.3435	39.15	PK	.5	0	39.65	59.1	-19.45	-	-
8	.3435	22.55	Av	.5	0	23.05	-	-	49.1	-26.05
9	1.5675	34.86	PK	.2	.1	35.16	56	-20.84	-	-
10	1.5675	18.02	Av	.2	.1	18.32	-	-	46	-27.68
11	24.9	33.72	PK	.3	.3	34.32	60	-25.68	-	-
12	24.9	14.63	Av	.3	.3	15.23	-	-	50	-34.77