

11.5. OUTPUT POWER AND PPSD

LIMITS

FCC §15.407 (a) (1)

For the band 5.15–5.25 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 peak power spectral density shall not exceed 4 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.

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

RESULTS

DIRECTIONAL ANTENNA GAIN

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

5.2

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
3.21	4.20	3.73

5.8

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
4.44	5.17	4.82

5.2

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
3.21	4.20	6.73

5.8

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.44	5.17	7.82

RESULTS

11.5.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5180	25.42	18.04	3.73	6.73
Mid	5200	25.90	18.13	3.73	6.73
High	5240	27.33	18.11	3.73	6.73

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC EIRP Limit (dBm)	Max IC Power (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC eirp PSD Limit (dBm)	PPSD Limit (dBm)
Low	5180	24.00	22.56	18.83	24.00	10.27	10.00	10.27
Mid	5200	24.00	22.58	18.85	24.00	10.27	10.00	10.27
High	5240	24.00	22.58	18.85	24.00	10.27	10.00	10.27

Duty Cycle CF (dB)	0.31	Included in Calculations of Corr'd Power & PPSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	10.80	10.80	14.12	24.00	-9.88
Mid	5200	10.80	12.40	14.99	24.00	-9.01
High	5240	10.80	12.50	15.05	24.00	-8.95

PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5180	-0.45	-0.62	2.79	10.27	-7.48
Mid	5200	-1.08	-0.76	2.40	10.27	-7.87
High	5240	-1.31	-1.16	2.09	10.27	-8.18

11.5.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5190	57.40	36.56	3.73	6.73
High	5230	58.10	36.51	3.73	6.73

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC EIRP Limit (dBm)	Max IC Power (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC eirp PSD Limit (dBm)	PPSD Limit (dBm)
Low	5190	24.00	23.00	19.27	24.00	10.27	10.00	10.27
High	5230	24.00	23.00	19.27	24.00	10.27	10.00	10.27

Duty Cycle CF (dB)	1.07	Included in Calculations of Corr'd Power & PPSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.10	10.85	14.57	24.00	-9.43
High	5230	10.05	10.30	14.26	24.00	-9.74

PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5190	-4.13	-3.56	0.24	10.27	-10.03
High	5230	-4.31	-4.13	-0.14	10.27	-10.41

11.5.3. 802.11ac HT80 MODE IN THE 5.2 GHZ BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5210	104.50	75.90	3.73	6.73

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC EIRP Limit (dBm)	Max IC Power (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC eirp PSD Limit (dBm)	PPSD Limit (dBm)
Low	5210	24.00	23.00	19.27	24.00	10.27	10.00	10.27

Duty Cycle CF (dB)	1.84	Included in Calculations of Corr'd Power & PPSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5210	11.20	11.00	15.95	24.00	-8.05

PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5210	-8.52	-8.63	-3.73	10.27	-14.00

11.5.1. 802.11n HT20 MODE IN THE 5.8 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5745	36.83	18.34	4.82	7.82
Mid	5785	35.58	18.38	4.82	7.82
High	5825	36.25	18.46	4.82	7.82

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5745	30.00	29.63	35.63	29.63	30.00	30.00	30.00
Mid	5785	30.00	29.64	35.64	29.64	30.00	30.00	30.00
High	5825	30.00	29.66	35.66	29.66	30.00	30.00	30.00

Duty Cycle CF (dB)	0.31	Included in Calculations of Corr'd Power & PPSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	10.50	9.60	13.39	29.63	-16.24
Mid	5785	13.00	12.00	15.85	29.64	-13.79
High	5825	13.00	12.00	15.85	29.66	-13.81

PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5745	1.58	0.43	4.36	30.00	-25.64
Mid	5785	2.59	1.84	5.55	30.00	-24.45
High	5825	2.47	1.09	5.15	30.00	-24.85

Note: For 5.8GHz PSD the RBW of 1MHz was used which can be considered as worst case compared to the 500 kHz required by the standard.

11.5.2. 802.11n HT40 MODE IN THE 5.8 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5755	67.3	36.85	4.82	7.82
High	5795	92.0	36.92	4.82	7.82

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5755	30.00	30.00	36.00	30.00	30.00	30.00	30.00
High	5795	30.00	30.00	36.00	30.00	30.00	30.00	30.00

Duty Cycle CF (dB)	1.07	Included in Calculations of Corr'd Power & PPSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	10.80	9.60	14.32	30.00	-15.68
High	5795	14.90	13.70	18.42	30.00	-11.58

PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5755	-6.55	-5.35	-1.83	30.00	-31.83
High	5795	-5.67	-5.60	-1.56	30.00	-31.56

Note: For 5.8GHz PSD the RBW of 1MHz was used which can be considered as worst case compared to the 500 kHz required by the standard.

11.5.3. 802.11ac HT80 MODE IN THE 5.8 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5775	151.50	76.43	7.82	7.82

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5775	28.18	30.00	36.00	28.18	30.00	17.00	17.00

Duty Cycle CF (dB)	1.84	Included in Calculations of Corr'd Power & PPSD
---------------------------	------	--

Output Power Results

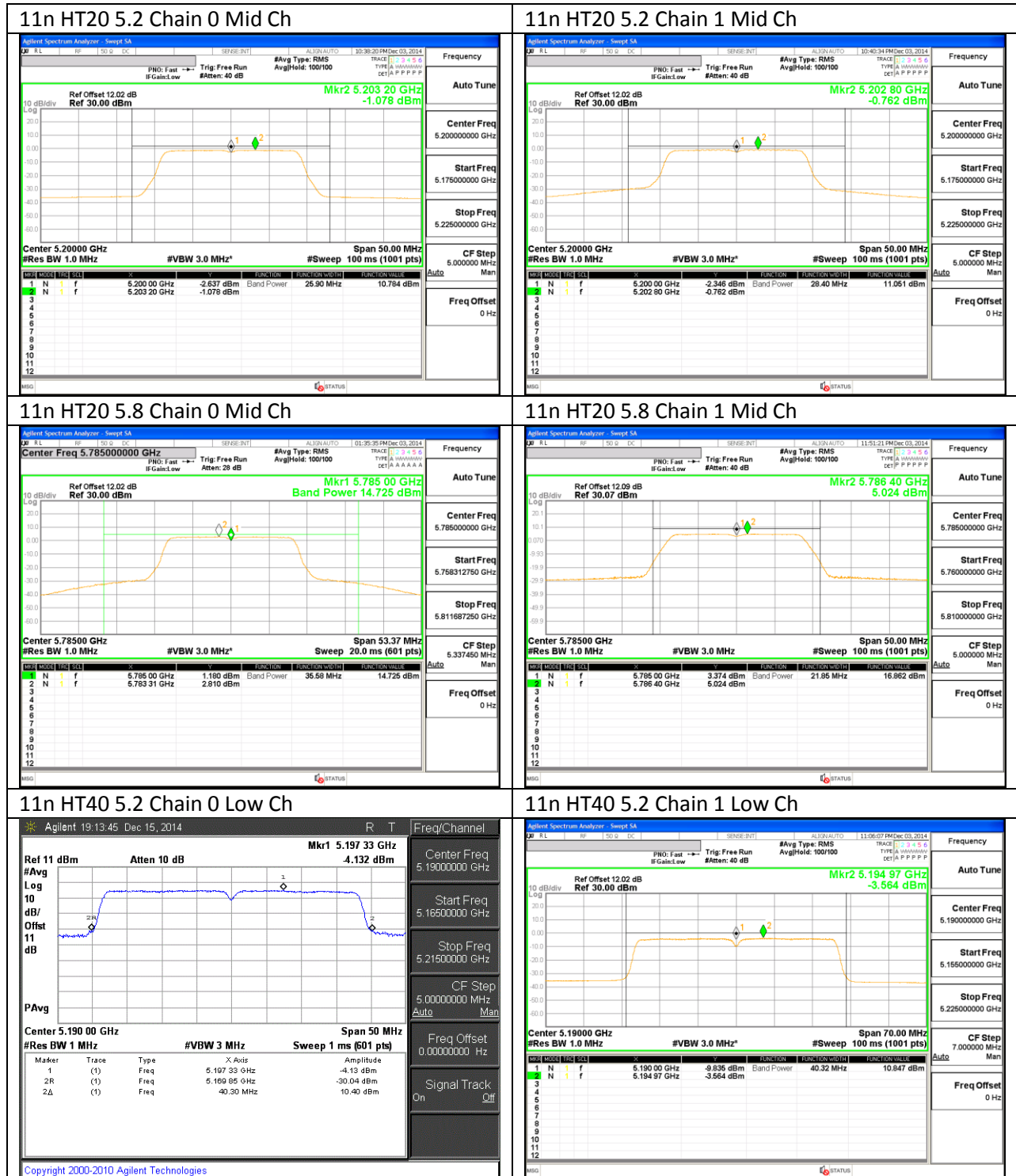
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5775	12.30	11.30	16.68	28.18	-11.50

PPSD Results

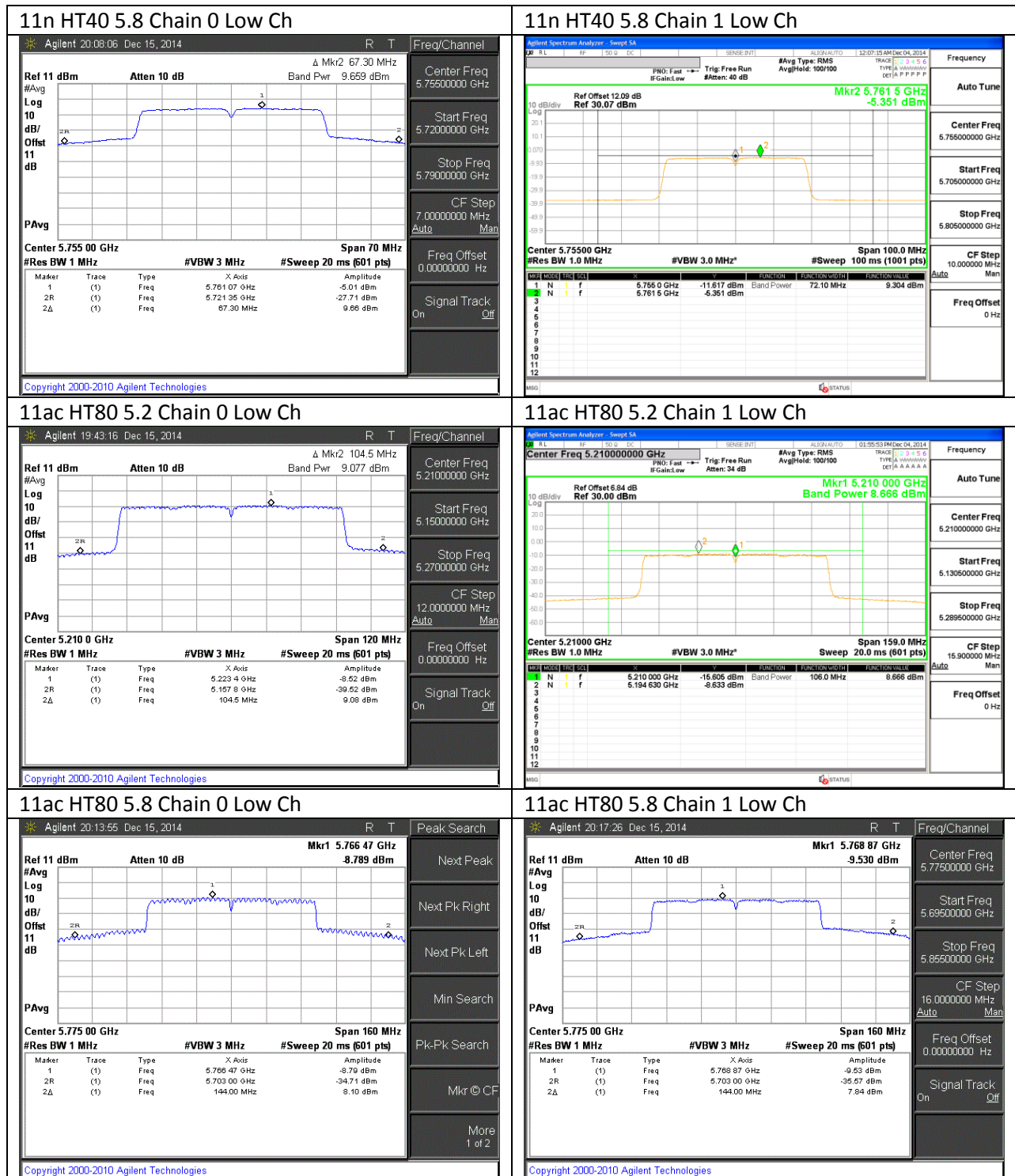
Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5775	-8.79	-9.53	-4.29	17.00	-21.29

Note: For 5.8GHz PSD the RBW of 1MHz was used which can be considered as worst case compared to the 500 kHz required by the standard.

11.5.4. OUTPUT POWER AND PSD PLOTS



Note: For 5.8GHz PSD the RBW of 1MHz was used which can be considered as worst case compared to the 500 kHz required by the standard.



Note: For 5.8GHz PSD the RBW of 1MHz was used which can be considered as worst case compared to the 500 kHz required by the standard.

12. TRANSMITTER ABOVE 1 GHz SISO Chain 0

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for above 1GHz. The antenna to EUT distance is 3 meters.

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

Reference to KDB 789033 UNII part H) 6) d) Method VB:

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor to the reading offset for average measurements.

The spectrum from 1GHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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

NOTE:

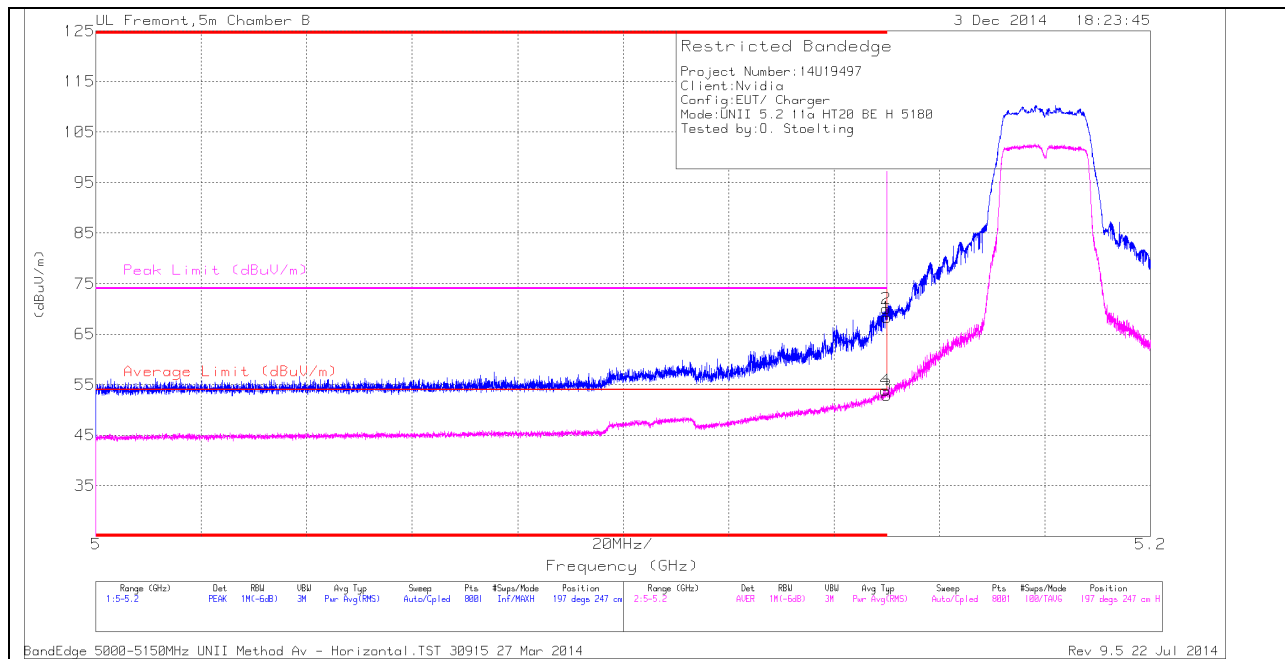
EUT was evaluated/investigated with peripheral cables. Peripheral cables effects are nominal to EUT during radiated evaluation.

12.1. 5.2 GHz

12.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

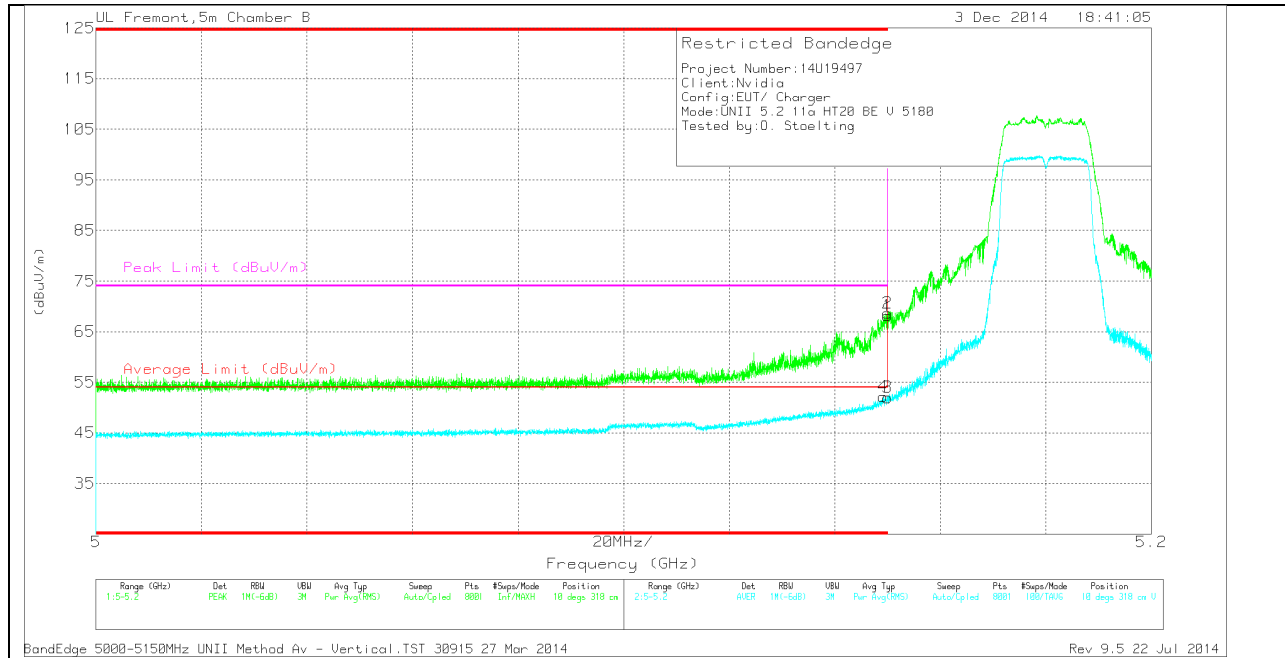
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	54.54	PK	34.3	-20.5	0	68.34	-	-	74	-5.66	197	247	H
2	* 5.15	56.28	PK	34.3	-20.5	0	70.08	-	-	74	-3.92	197	247	H
3	* 5.15	38.8	RMS	34.3	-20.5	.3	52.92	54	-1.08	-	-	197	247	H
4	* 5.15	39.82	RMS	34.3	-20.5	.3	53.94	54	-.06	-	-	197	247	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/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	54.37	PK	34.3	-20.5	0	68.17	-	-	74	-5.83	10	318	V
2	* 5.15	54.83	PK	34.3	-20.5	0	68.63	-	-	74	-5.37	10	318	V
3	* 5.15	37.85	RMS	34.3	-20.5	.3	51.97	54	-2.03	-	-	10	318	V
4	* 5.149	38.09	RMS	34.3	-20.5	.3	52.21	54	-1.79	-	-	10	318	V

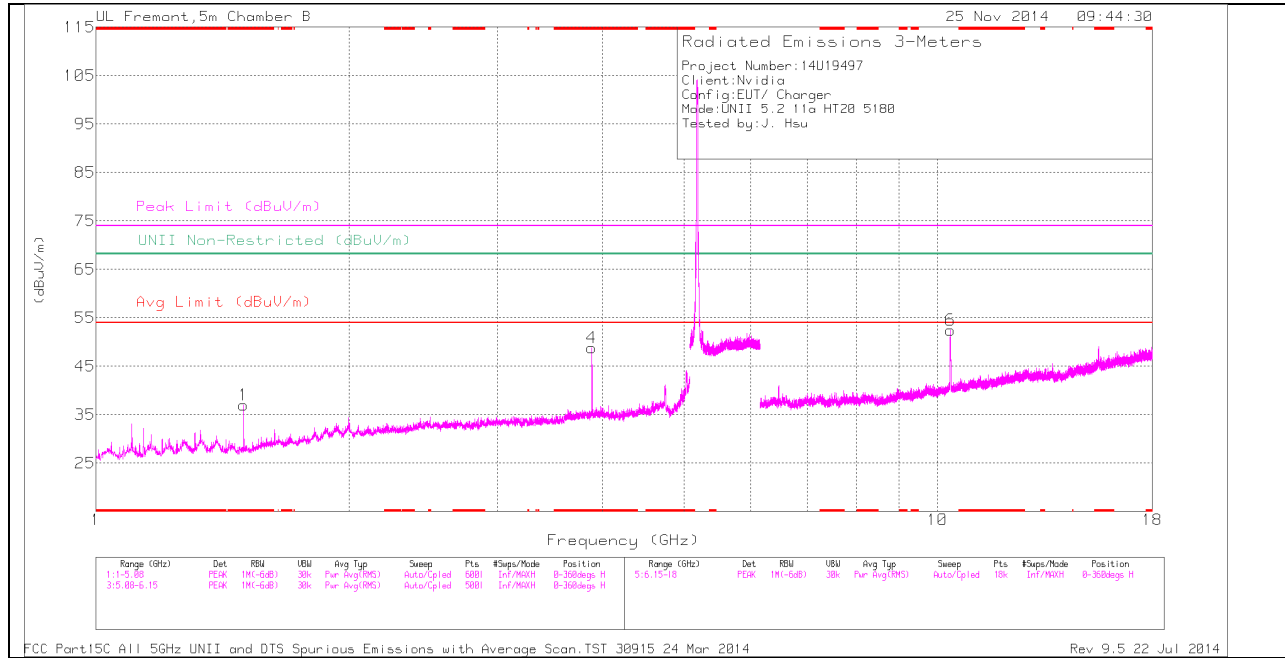
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

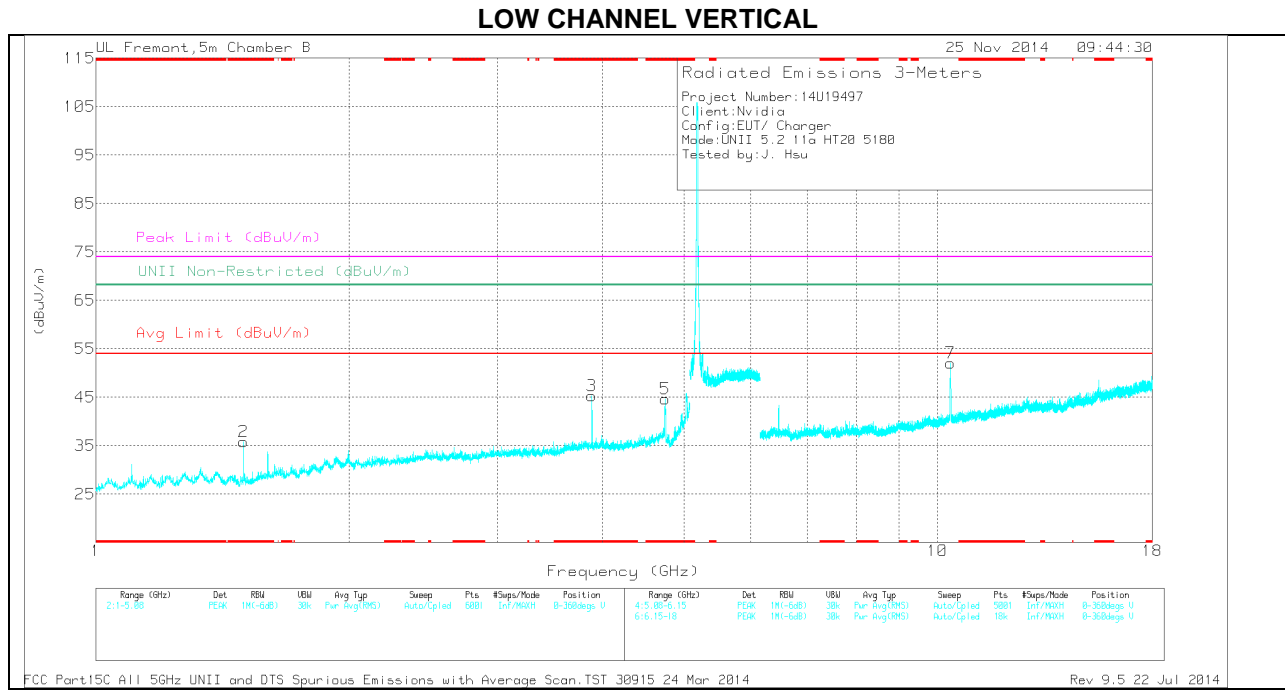
RMS - RMS detection

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.



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 (dB/m)	Amp/Cbl/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
1	* 1.498	43.47	PK	27.9	-34.4	0	36.97	-	-	74	-37.03	-	-	0-360	199	H
4	* 3.885	46.46	PK	33.8	-31.5	0	48.76	-	-	74	-25.24	-	-	0-360	199	H
2	* 1.498	42.31	PK	27.9	-34.4	0	35.81	-	-	74	-38.19	-	-	0-360	100	V
3	* 3.885	43.02	PK	33.8	-31.5	0	45.32	-	-	74	-28.68	-	-	0-360	100	V
5	* 4.748	40.3	PK	34.2	-29.8	0	44.7	-	-	74	-29.3	-	-	0-360	199	V
6	10.359	38.61	PK	37.2	-23.4	0	52.41	-	-	-	-	68.2	-15.79	0-360	199	H
7	10.362	38.19	PK	37.3	-23.4	0	52.09	-	-	-	-	68.2	-16.11	0-360	199	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

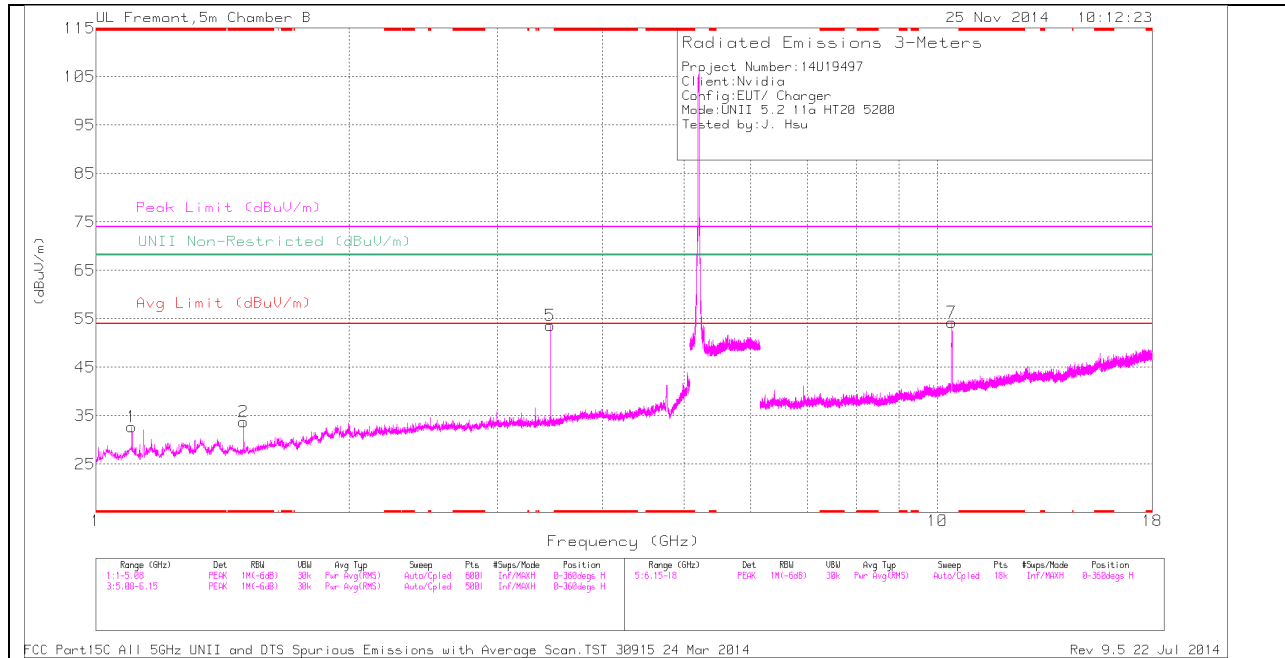
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.885	52.98	PK1	33.8	-31.5	0	55.28	-	-	74	-18.72	-	-	83	277	H
* 3.885	44.29	AD1	33.8	-31.5	.3	46.89	54	-7.11	-	-	-	-	83	277	H
10.358	53.47	PK1	37.2	-23.4	0	67.27	-	-	-	-	68.2	-.93	35	201	H
10.359	38.72	AD1	37.2	-23.4	.3	52.82	-	-	-	-	-	-	35	201	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

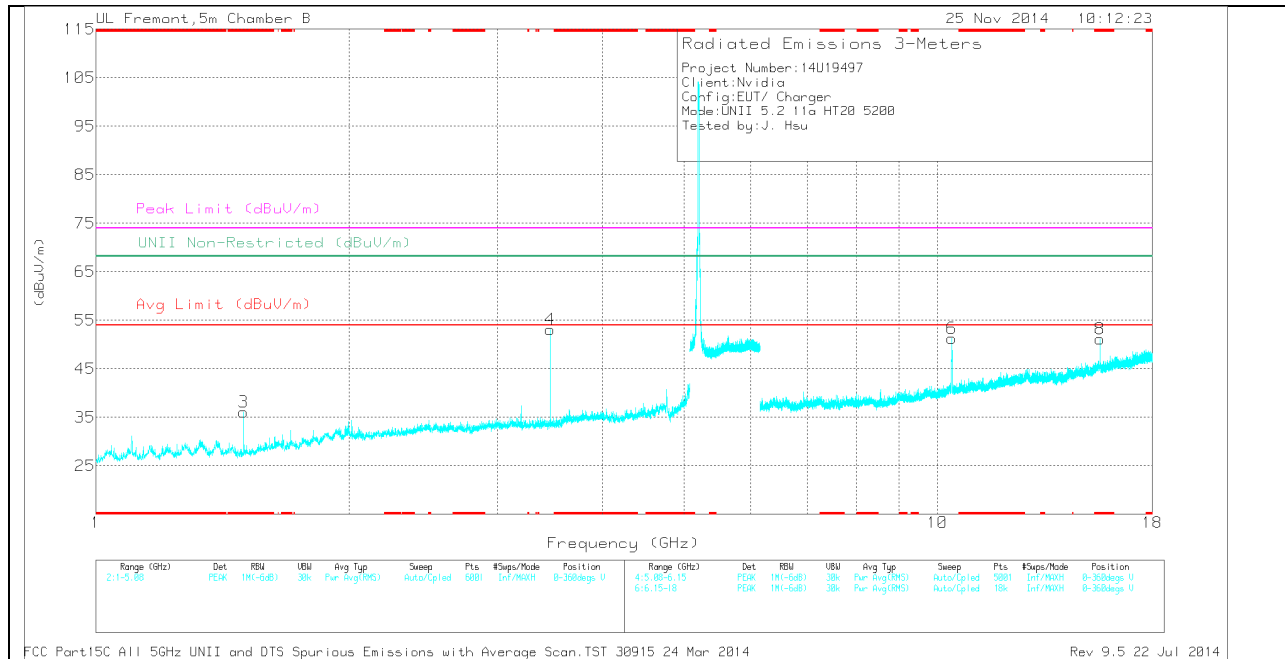
RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (dB/m)	Amp/Cbl/ 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
1	* 1.103	39.77	PK	27.4	-34.4	0	32.77	-	-	74	-41.23	-	-	0-360	199	H
2	* 1.498	40.25	PK	27.9	-34.4	0	33.75	-	-	74	-40.25	-	-	0-360	101	H
3	* 1.498	42.62	PK	27.9	-34.4	0	36.12	-	-	74	-37.88	-	-	0-360	199	V
8	* 15.603	30.73	PK	40.6	-20.2	0	51.13	-	-	74	-22.87	-	-	0-360	101	V
5	3.467	52.24	PK	32.8	-31.4	0	53.64	-	-	-	-	68.2	-14.56	0-360	101	H
4	3.467	51.61	PK	32.8	-31.3	0	53.11	-	-	-	-	68.2	-15.09	0-360	199	V
6	10.399	37.55	PK	37.3	-23.6	0	51.25	-	-	-	-	68.2	-16.95	0-360	101	V
7	10.401	40.61	PK	37.3	-23.6	0	54.31	-	-	-	-	68.2	-13.89	0-360	199	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

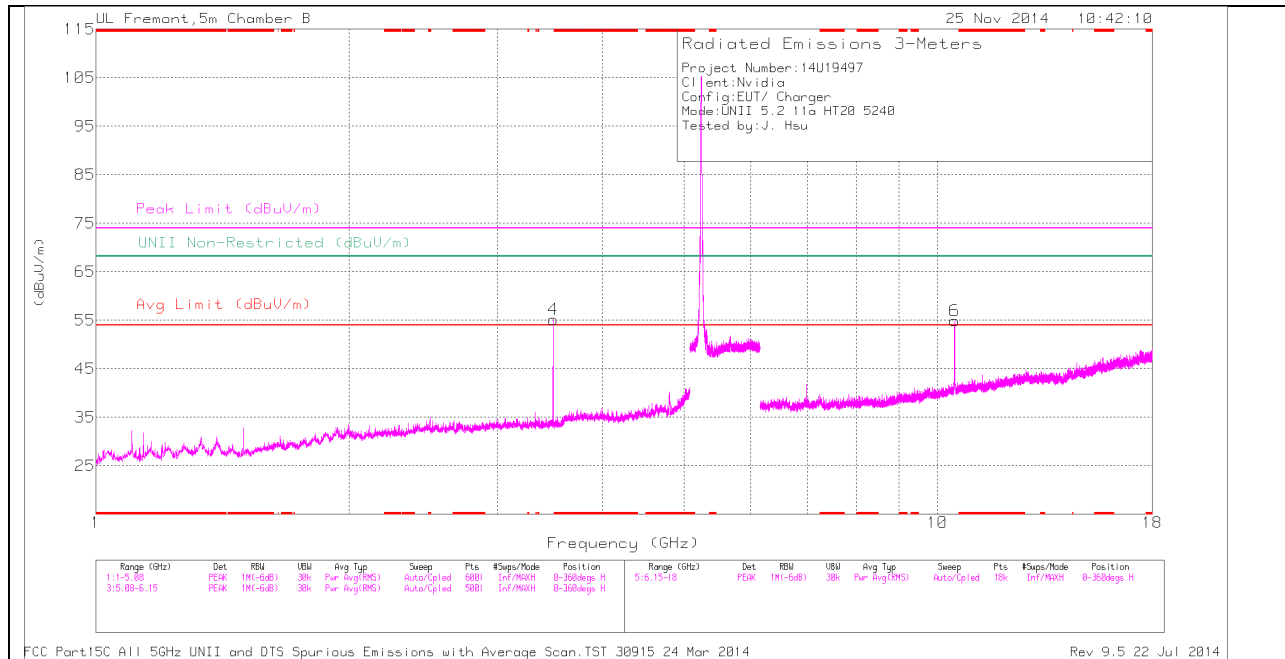
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.467	56.06	PK1	32.8	-31.3	0	57.56	-	-	-	-	68.2	-10.64	19	246	H
3.467	45.36	AD1	32.8	-31.3	.3	47.16	-	-	-	-	-	-	19	246	H
10.398	52.1	PK1	37.3	-23.6	0	65.8	-	-	-	-	68.2	-2.4	1	230	H
10.4	38.1	AD1	37.3	-23.6	.3	52.1	-	-	-	-	-	-	1	230	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

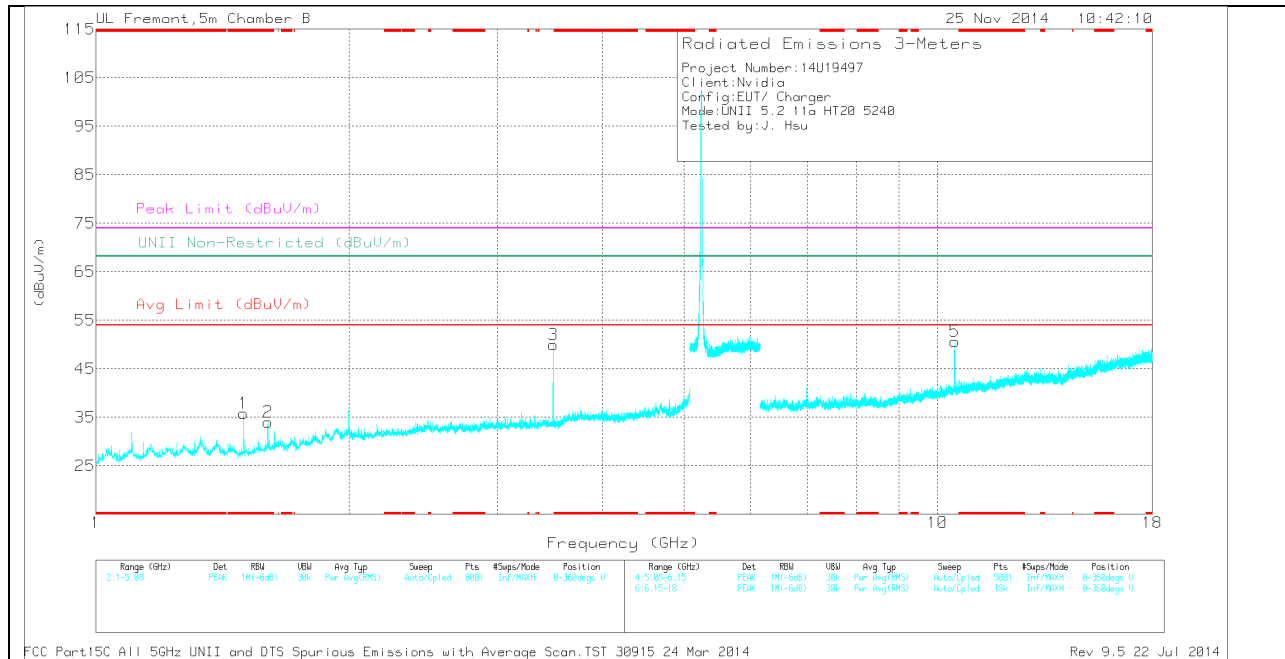
RMS - RMS detection

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 (dB/m)	Amp/Cbl/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
1	* 1.498	42.33	PK	27.9	-34.4	0	35.83	-	-	74	-38.17	-	-	0-360	199	V
2	* 1.6	38.7	PK	28.5	-33.2	0	34	-	-	74	-40	-	-	0-360	101	V
4	3.494	53.95	PK	32.8	-31.6	0	55.15	-	-	-	-	68.2	-13.05	0-360	101	H
3	3.494	48.84	PK	32.8	-31.6	0	50.04	-	-	-	-	68.2	-18.16	0-360	101	V
6	10.479	41.62	PK	37.4	-24.1	0	54.92	-	-	-	-	68.2	-13.28	0-360	199	H
5	10.48	37.36	PK	37.4	-24.1	0	50.66	-	-	-	-	68.2	-17.54	0-360	101	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
3.493	57.21	PK1	32.8	-31.6	0	58.41	-	-	-	-	68.2	-9.79	14	243	H
3.493	45.98	AD1	32.8	-31.6	.3	47.48	-	-	-	-	-	-	14	243	H
10.479	52.35	PK1	37.4	-24.1	0	65.65	-	-	-	-	68.2	-2.55	18	251	H
10.48	38.85	AD1	37.4	-24.1	.3	52.45	-	-	-	-	-	-	18	251	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

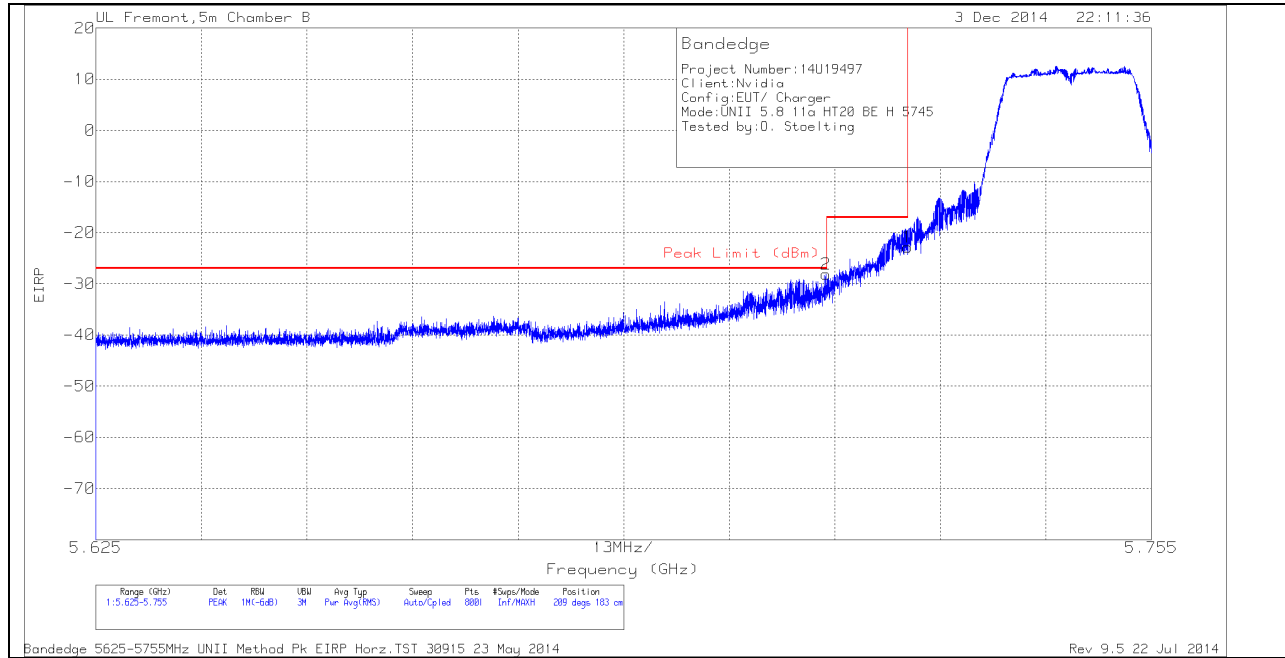
PK - Peak detector

RMS - RMS detection

12.2. 5.8 GHz

12.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS

HORIZONTAL PEAK AND AVERAGE PLOT



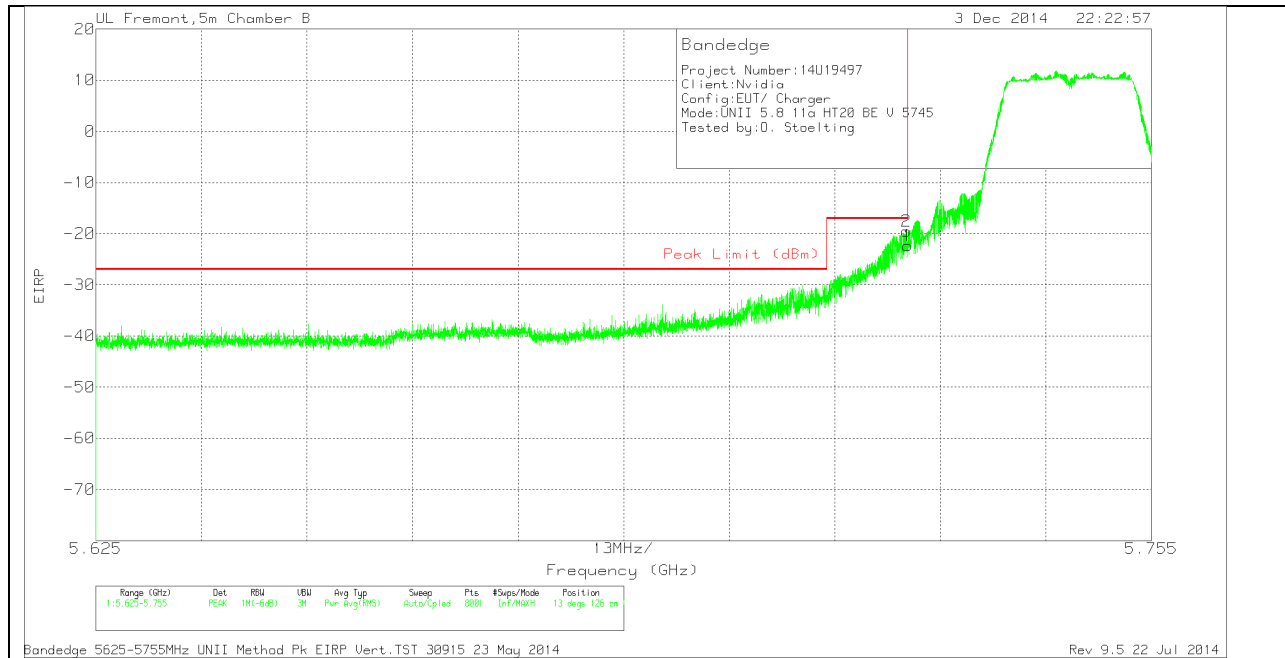
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-54.31	PK	34.5	-20.1	11.8	-28.11	-27	-1.11	209	183	H
1	5.725	-49.13	PK	34.6	-20.1	11.8	-22.83	-17	-5.83	209	183	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

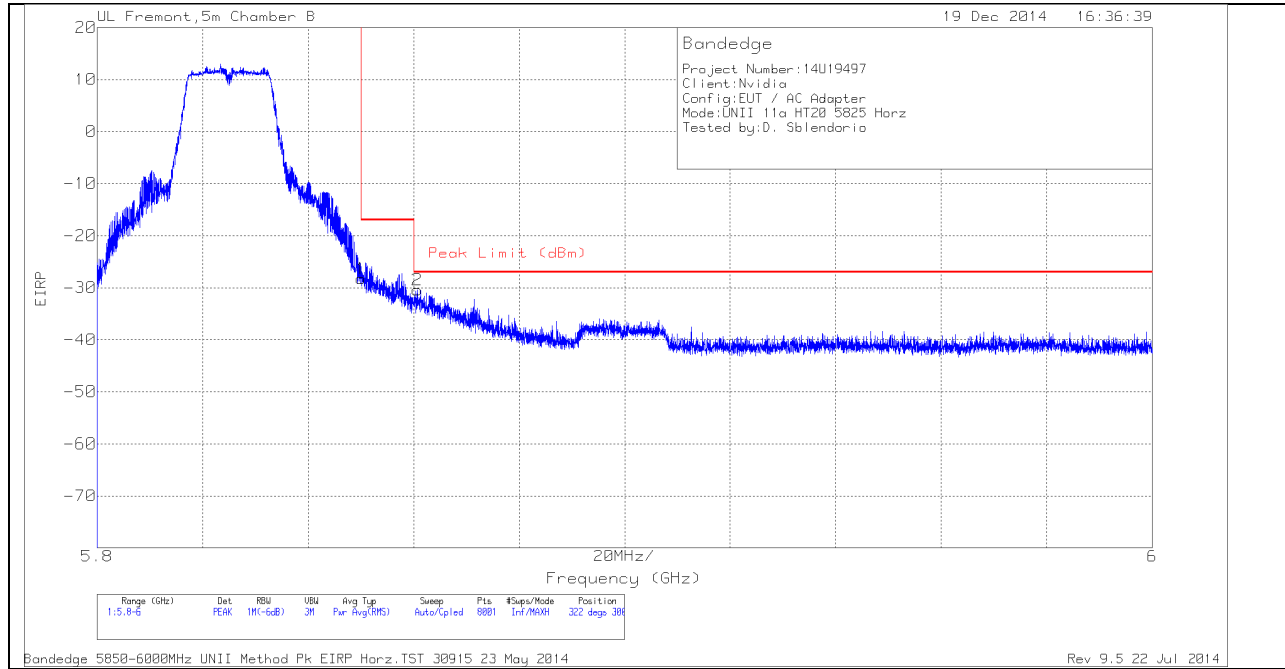
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-48.65	PK	34.6	-20.1	11.8	0	-22.35	-17	-5.35	13	126	V
2	5.725	-45.77	PK	34.6	-20.1	11.8	0	-19.47	-17	-2.47	13	126	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

AUTHORIZED BANDEGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



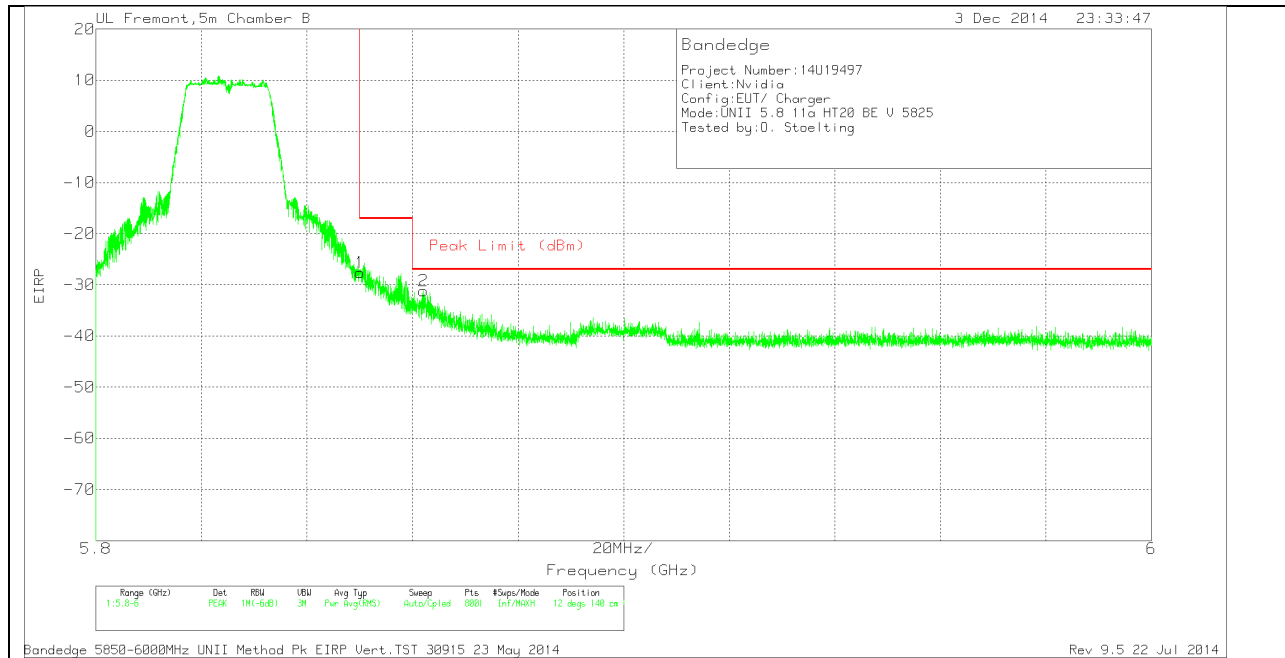
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.96	PK	34.8	-19.9	11.8	-28.26	-17	-11.26	322	300	H
2	5.861	-57.15	PK	34.8	-19.9	11.8	-30.45	-27	-3.45	322	300	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



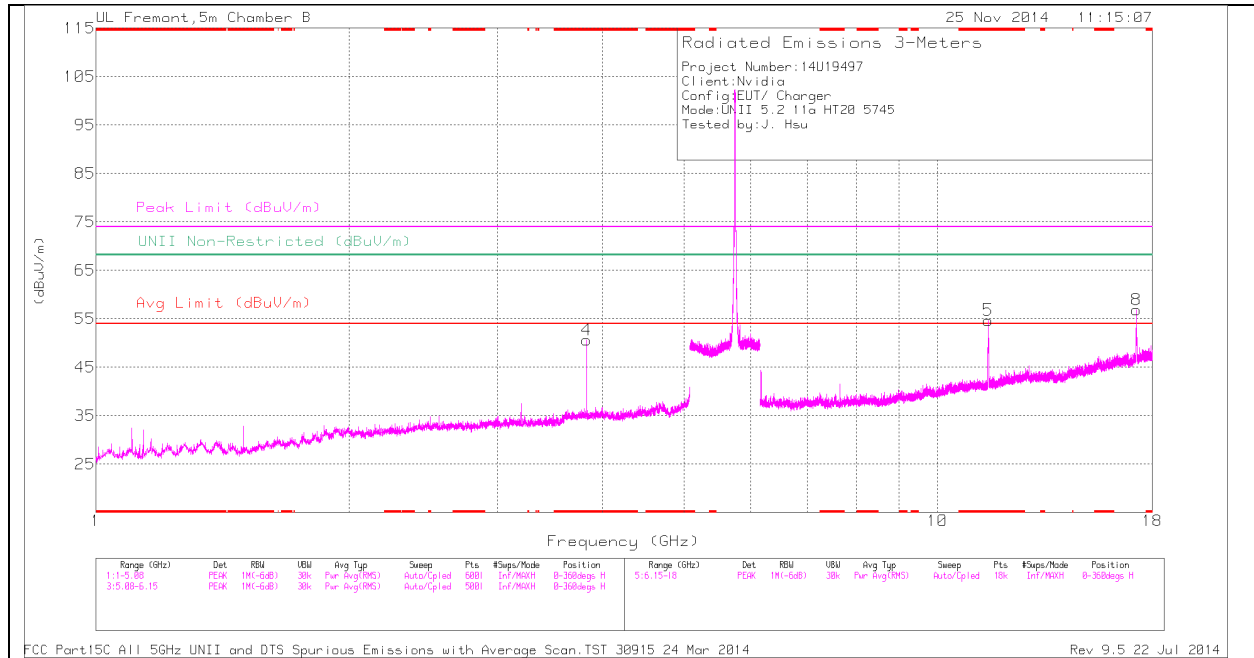
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.34	PK	34.8	-19.9	11.8	0	-27.64	-17	-10.64	12	140	V
2	5.862	-57.86	PK	34.8	-19.9	11.8	0	-31.16	-27	-4.16	12	140	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

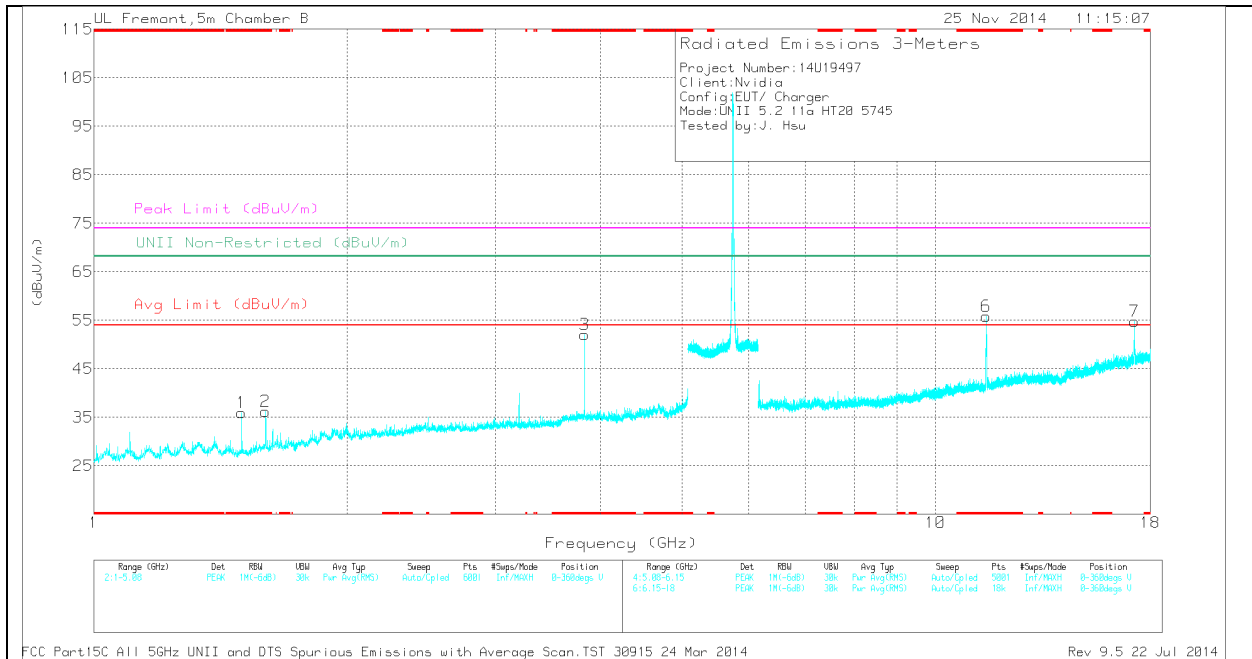
PK - Peak detector

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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	* 3.83	48.2	PK	33.7	-31.3	0	50.6	-	-	74	-23.4	-	-	0-360	101	H
1	* 1.498	42.48	PK	27.9	-34.4	0	35.98	-	-	74	-38.02	-	-	0-360	199	V
2	* 1.6	40.9	PK	28.5	-33.2	0	36.2	-	-	74	-37.8	-	-	0-360	101	V
3	* 3.83	49.66	PK	33.7	-31.3	0	52.06	-	-	74	-21.94	-	-	0-360	199	V
5	* 11.493	39.62	PK	38	-22.9	0	54.72	-	-	74	-19.28	-	-	0-360	101	H
6	* 11.489	40.7	PK	38	-22.9	0	55.8	-	-	74	-18.2	-	-	0-360	101	V
8	17.232	35.17	PK	41.5	-19.8	0	56.87	-	-	-	-	68.2	-11.33	0-360	101	H
7	17.233	33.14	PK	41.5	-19.8	0	54.84	-	-	-	-	68.2	-13.36	0-360	101	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

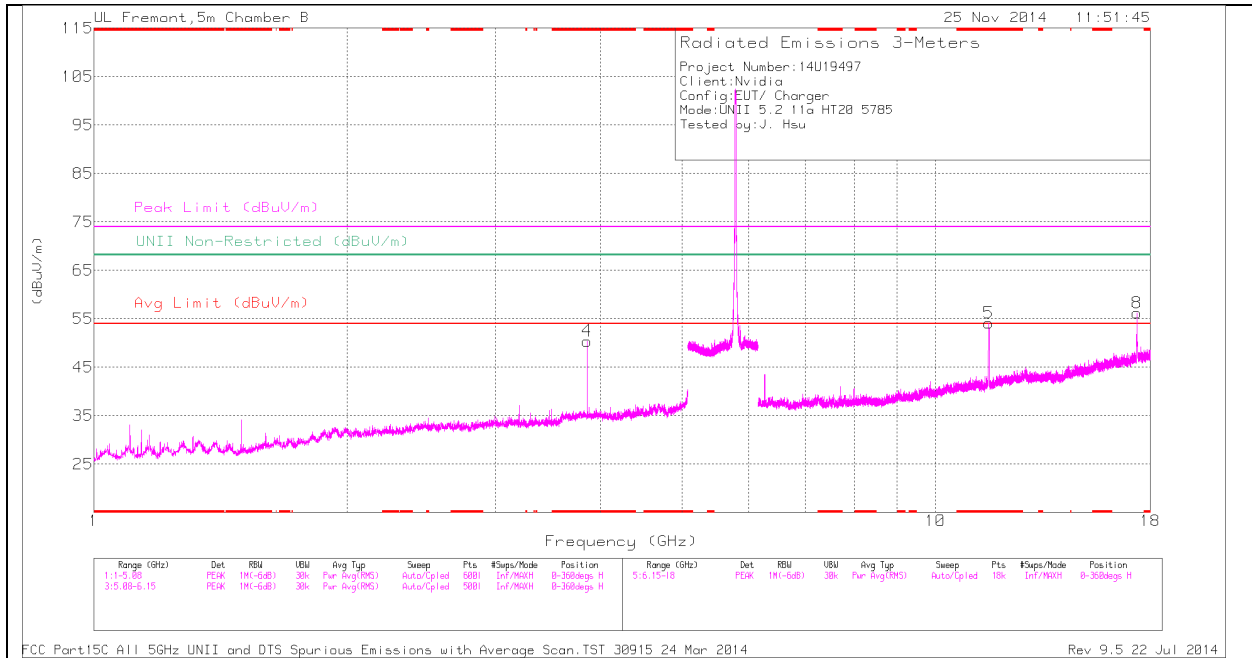
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.83	51.6	PK1	33.7	-31.3	0	54	-	-	74	-20	-	-	51	233	V
* 3.83	40.87	AD1	33.7	-31.3	.3	43.57	54	-10.43	-	-	-	-	51	233	V
* 11.492	48.17	PK1	38	-22.9	0	63.27	-	-	74	-10.73	-	-	17	108	V
* 11.491	37.36	AD1	38	-22.9	.3	52.76	54	-1.24	-	-	-	-	17	108	V
17.236	42.28	PK1	41.5	-19.7	0	64.08	-	-	-	-	68.2	-4.12	8	107	H
17.236	30.74	AD1	41.5	-19.7	.3	52.84	-	-	-	-	-	-	8	107	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

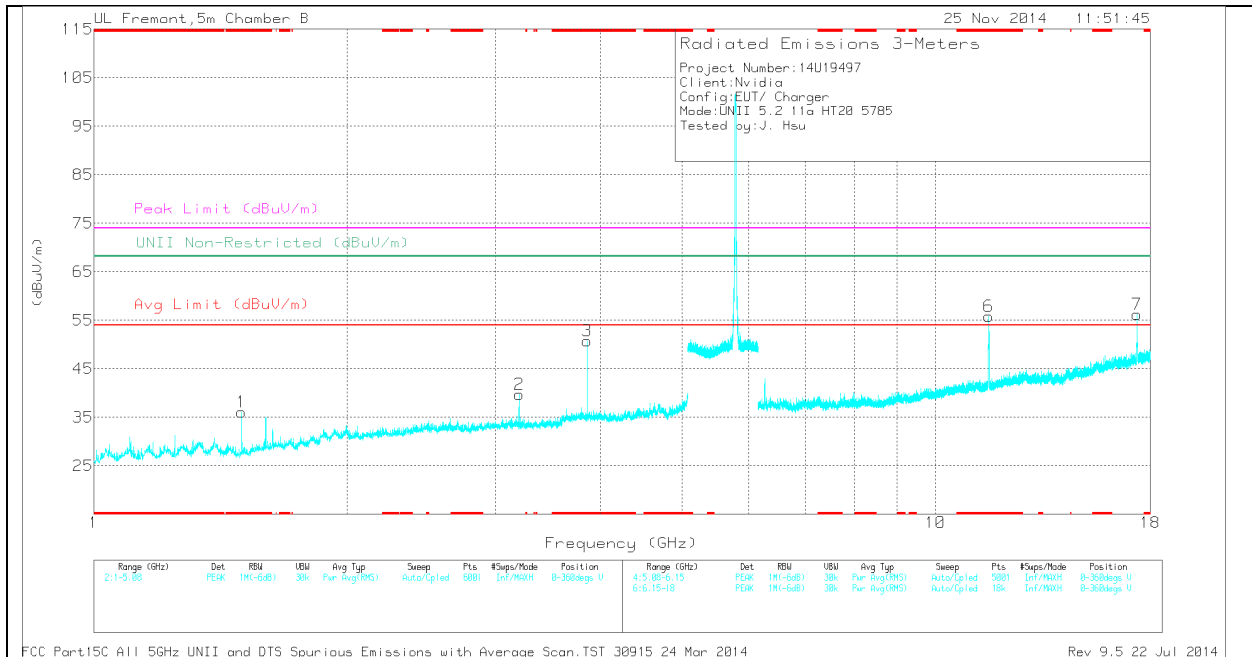
RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ 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	* 3.857	48.24	PK	33.7	-31.5	0	50.44	-	-	74	-23.56	-	-	0-360	101	H
1	* 1.498	42.56	PK	27.9	-34.4	0	36.06	-	-	74	-37.94	-	-	0-360	101	V
3	* 3.857	48.61	PK	33.7	-31.5	0	50.81	-	-	74	-23.19	-	-	0-360	199	V
5	* 11.572	38.41	PK	38.1	-22.4	0	54.11	-	-	74	-19.89	-	-	0-360	200	H
6	* 11.572	39.97	PK	38.1	-22.3	0	55.77	-	-	74	-18.23	-	-	0-360	200	V
2	3.2	38.64	PK	32.8	-31.7	0	39.74	-	-	-	-	68.2	-28.46	0-360	199	V
8	17.351	34.71	PK	41.6	-20.1	0	56.21	-	-	-	-	68.2	-11.99	0-360	200	H
7	17.353	34.67	PK	41.6	-20.1	0	56.17	-	-	-	-	68.2	-12.03	0-360	200	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

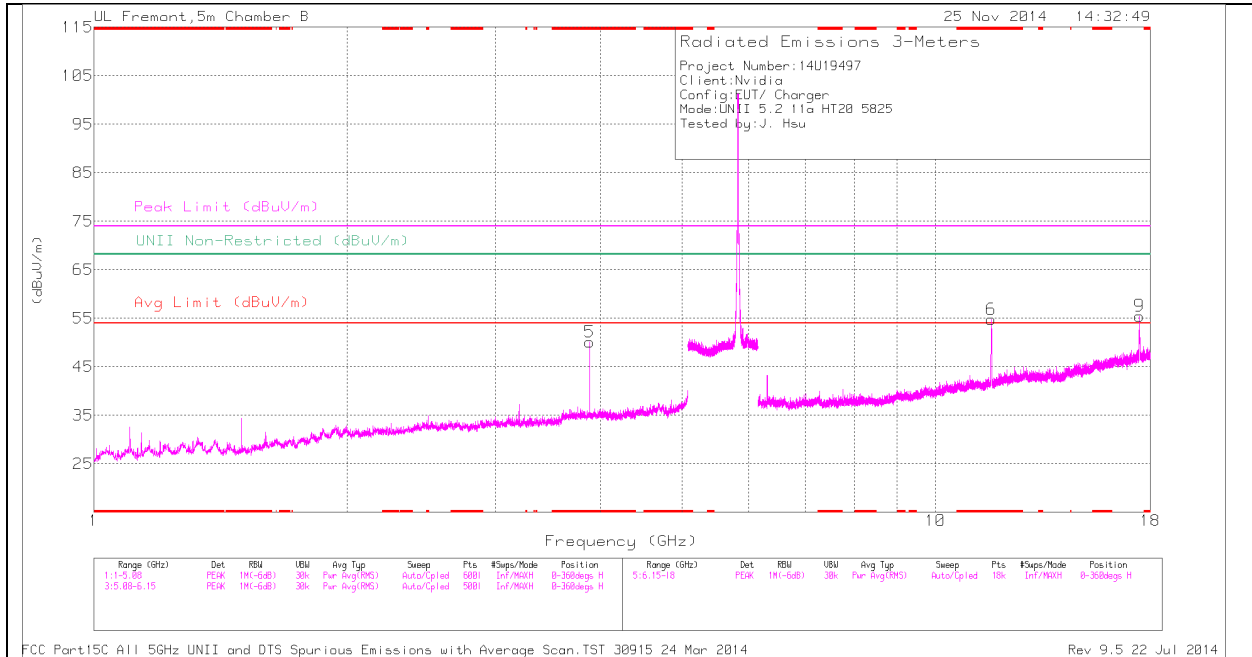
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.857	51.74	PK1	33.7	-31.5	0	53.94	-	-	74	-20.06	-	-	177	206	V
* 3.857	44.78	AD1	33.7	-31.5	.3	47.28	54	-6.72	-	-	-	-	177	206	V
* 11.576	47.91	PK1	38.1	-22.5	0	63.51	-	-	74	-10.49	-	-	333	280	V
* 11.571	36.69	AD1	38.1	-22.3	.3	52.79	54	-1.21	-	-	-	-	333	280	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

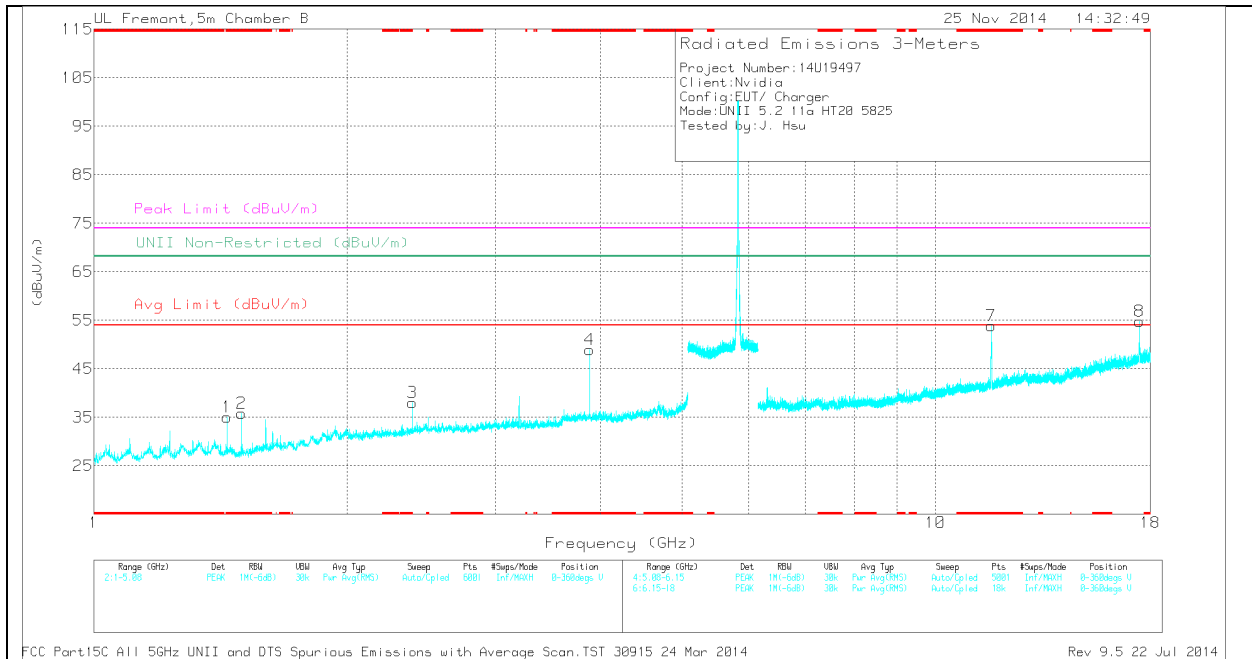
RMS - RMS detection

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 (dB/m)	Amp/Cbl/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
5	* 3.883	47.82	PK	33.8	-31.5	0	50.12	-	-	74	-23.88	-	-	0-360	200	H
1	* 1.439	40.9	PK	28.3	-34.2	0	35	-	-	74	-39	-	-	0-360	199	V
2	* 1.498	42.35	PK	27.9	-34.4	0	35.85	-	-	74	-38.15	-	-	0-360	100	V
4	* 3.883	46.65	PK	33.8	-31.5	0	48.95	-	-	74	-25.05	-	-	0-360	199	V
6	* 11.653	39.74	PK	38.2	-23.1	0	54.84	-	-	74	-19.16	-	-	0-360	101	H
7	* 11.651	38.89	PK	38.1	-23.1	0	53.89	-	-	74	-20.11	-	-	0-360	101	V
3	2.391	38.63	PK	32.1	-32.7	0	38.03	-	-	-	-	68.2	-30.17	0-360	100	V
9	17.478	33.7	PK	41.7	-19.9	0	55.5	-	-	-	-	68.2	-12.7	0-360	101	H
8	17.479	32.95	PK	41.7	-19.9	0	54.75	-	-	-	-	68.2	-13.45	0-360	199	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
* 3.883	52.11	PK1	33.8	-31.5	0	54.41	-	-	74	-19.59	-	-	358	272	H
* 3.883	42.37	AD1	33.8	-31.5	.3	44.97	54	-9.03	-	-	-	-	358	272	H
* 11.648	49.28	PK1	38.1	-23	0	64.38	-	-	74	-9.62	-	-	360	116	H
* 11.648	36.44	AD1	38.1	-23	.3	51.84	54	-2.16	-	-	-	-	360	116	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

13. TRANSMITTER ABOVE 1 GHz SISO Chain 1

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for above 1GHz. The antenna to EUT distance is 3 meters.

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

Reference to KDB 789033 UNII part H) 6) d) Method VB:

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor to the reading offset for average measurements.

The spectrum from 1GHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

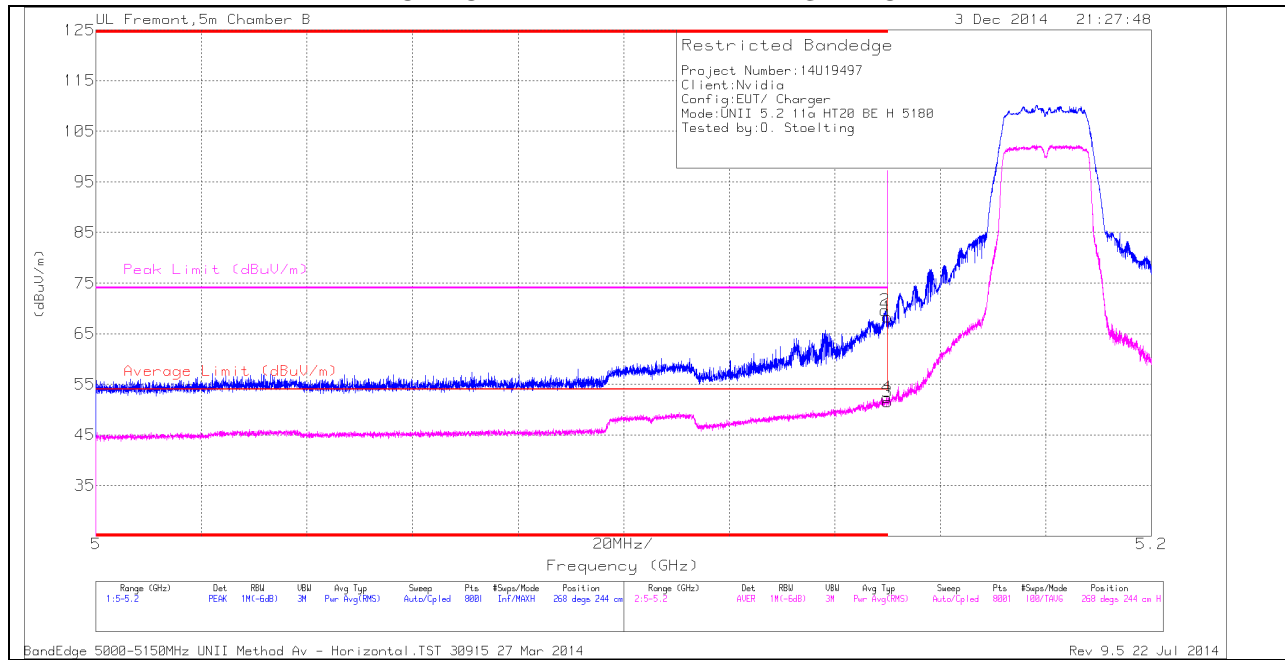
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

13.1. 5.2 GHz

13.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

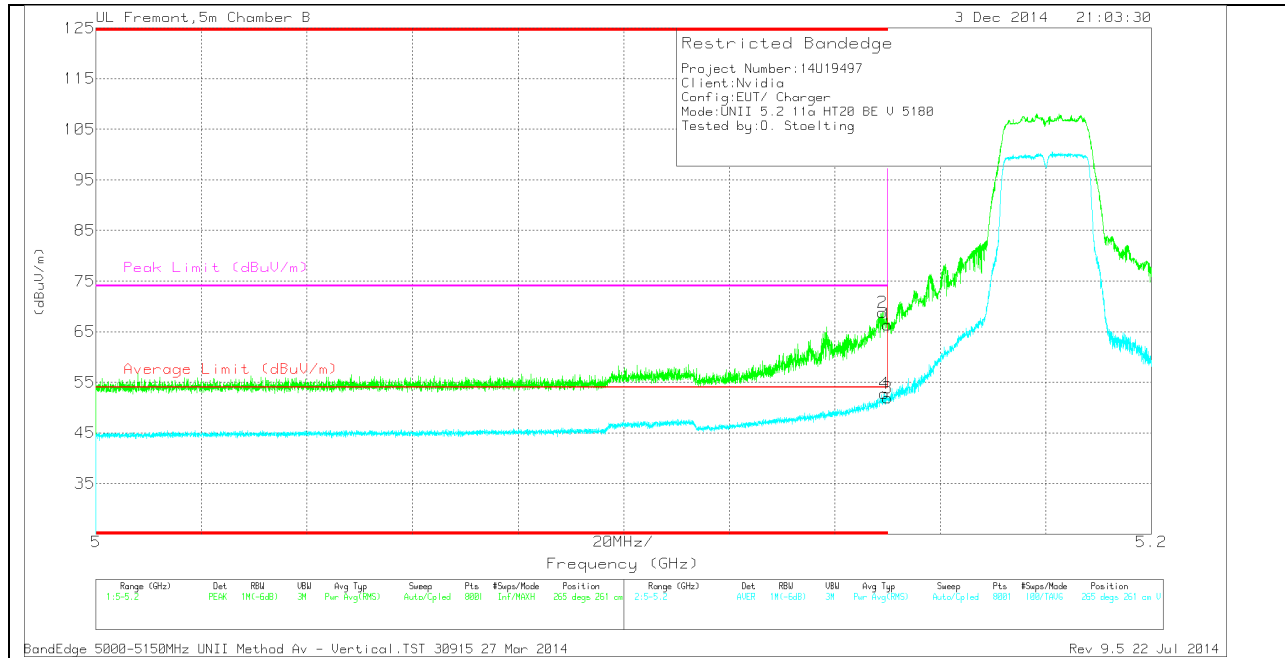
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	54.44	PK	34.3	-20.5	0	68.24	-	-	74	-5.76	268	244	H
2	* 5.15	55.8	PK	34.3	-20.5	0	69.6	-	-	74	-4.4	268	244	H
3	* 5.15	37.37	RMS	34.3	-20.5	.3	51.49	54	-2.51	-	-	268	244	H
4	* 5.15	38.33	RMS	34.3	-20.5	.3	52.45	54	-1.55	-	-	268	244	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Fitter/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	54.98	PK	34.3	-20.5	0	68.78	-	-	74	-5.22	265	261	V
4	* 5.149	38.62	RMS	34.3	-20.5	.3	52.74	54	-1.26	-	-	265	261	V
1	* 5.15	52.57	PK	34.3	-20.5	0	66.37	-	-	74	-7.63	265	261	V
3	* 5.15	37.81	RMS	34.3	-20.5	.3	51.93	54	-2.07	-	-	265	261	V

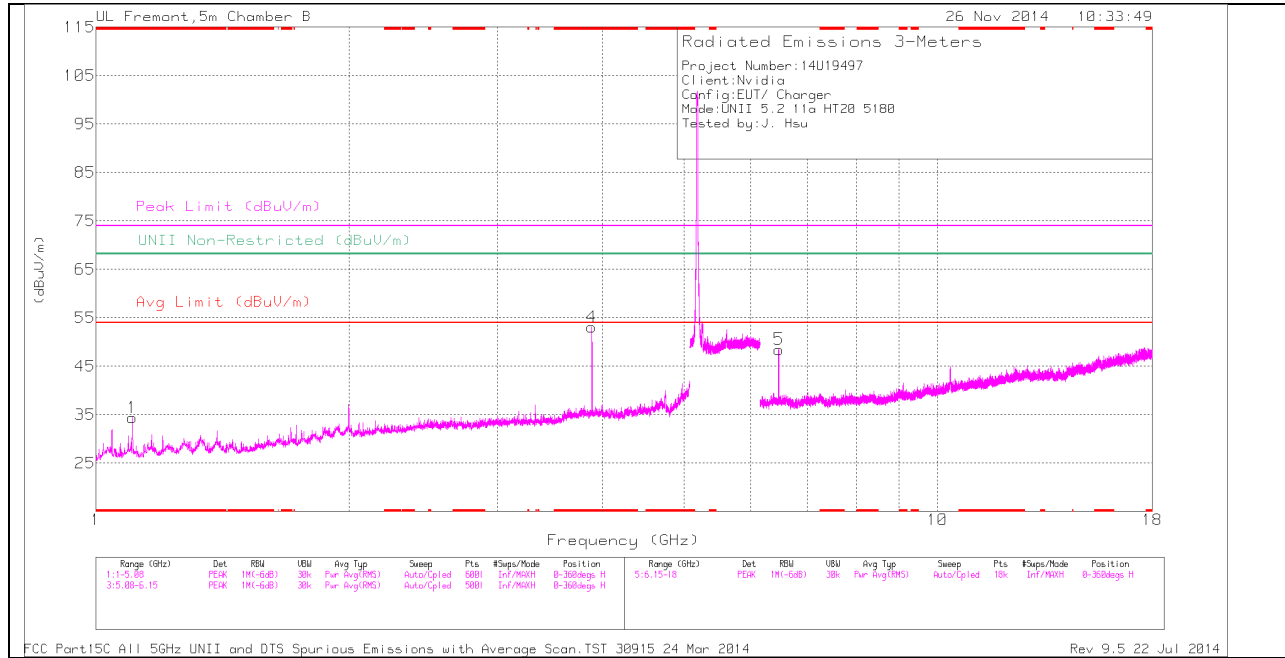
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

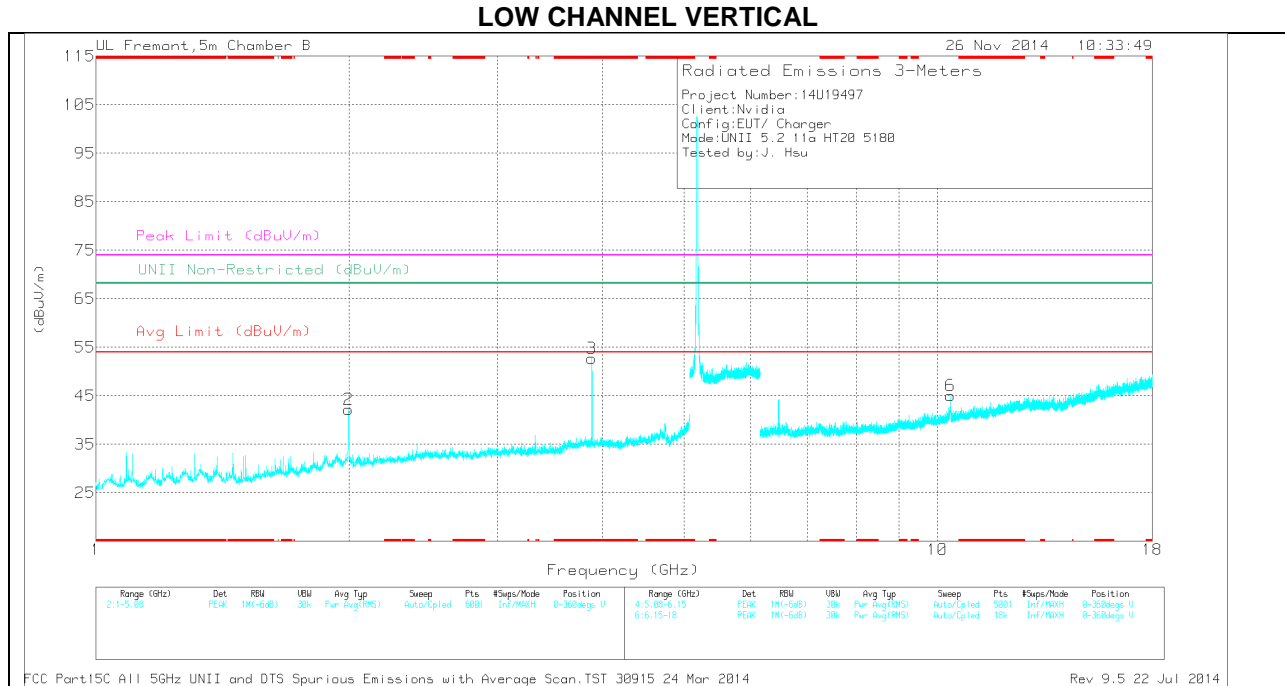
RMS - RMS detection

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.



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 (dB/m)	Amp/Cbl/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
1	* 1.105	41.38	PK	27.4	-34.4	0	34.38	-	-	74	-39.62	-	-	0-360	199	H
4	* 3.885	50.85	PK	33.8	-31.5	0	53.15	-	-	74	-20.85	-	-	0-360	99	H
3	* 3.885	50.36	PK	33.8	-31.5	0	52.66	-	-	74	-21.34	-	-	0-360	199	V
2	1.997	43.96	PK	31.3	-33.1	0	42.16	-	-	-	-	68.2	-26.04	0-360	199	V
5	6.475	42.39	PK	35.6	-29.5	0	48.49	-	-	-	-	68.2	-19.71	0-360	199	H
6	10.358	31.21	PK	37.2	-23.4	0	45.01	-	-	-	-	68.2	-23.19	0-360	101	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

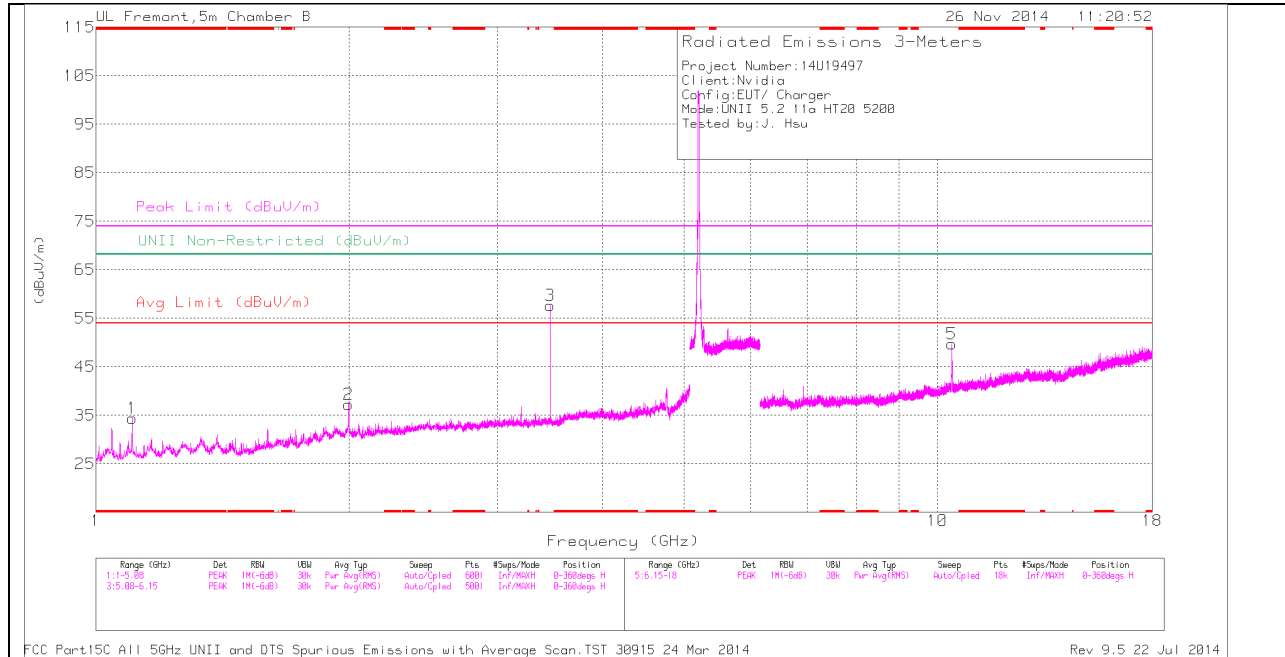
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.885	53.07	PK1	33.8	-31.5	0	55.37	-	-	74	-18.63	-	-	64	175	H
* 3.885	45.75	AD1	33.8	-31.5	.3	48.34	54	-5.66	-	-	-	-	64	175	H
10.359	43.26	PK1	37.2	-23.4	0	57.06	-	-	-	-	68.2	-11.14	225	106	V
10.36	30.61	AD1	37.2	-23.4	.3	44.7	-	-	-	-	-	-	225	106	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

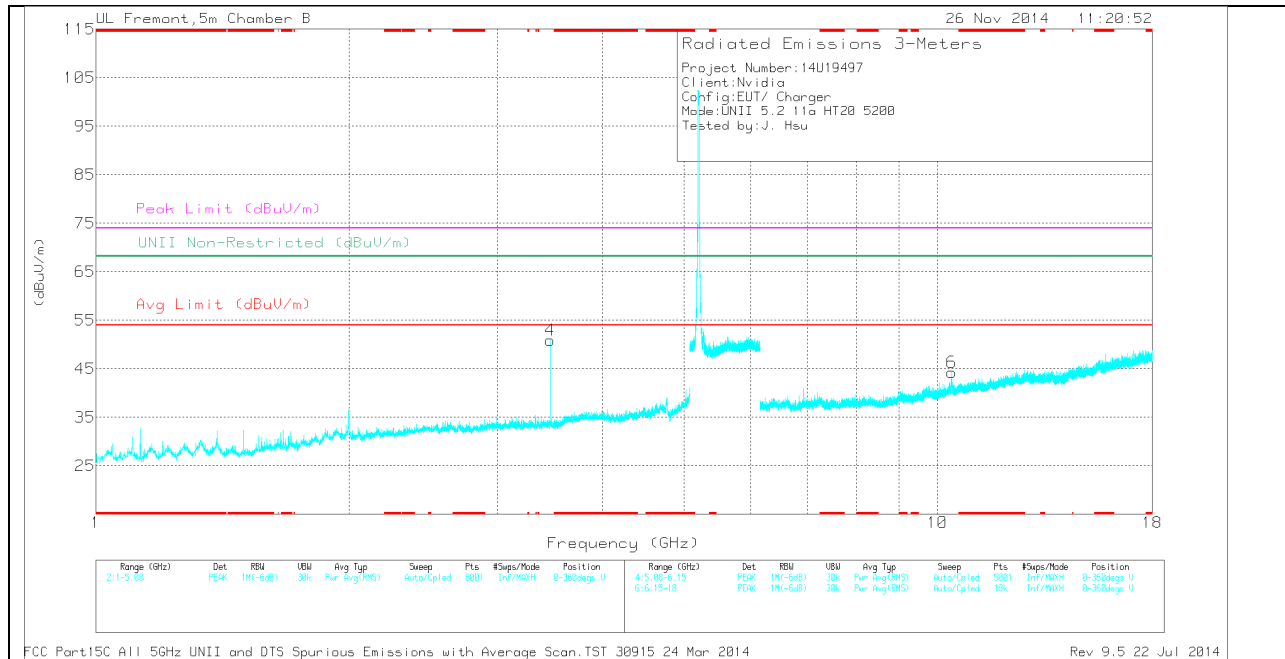
RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (dB/m)	Amp/Cbl/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
1	* 1.104	41.39	PK	27.4	-34.4	0	34.39	-	-	74	-39.61	-	-	0-360	199	H
2	1.997	39.01	PK	31.3	-33.1	0	37.21	-	-	-	-	68.2	-30.99	0-360	101	H
3	3.467	56.2	PK	32.8	-31.4	0	57.6	-	-	-	-	68.2	-10.6	0-360	101	H
4	3.467	49.44	PK	32.8	-31.4	0	50.84	-	-	-	-	68.2	-17.36	0-360	199	V
6	10.399	30.59	PK	37.3	-23.6	0	44.29	-	-	-	-	68.2	-23.91	0-360	200	V
5	10.4	35.97	PK	37.3	-23.6	0	49.67	-	-	-	-	68.2	-18.53	0-360	200	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

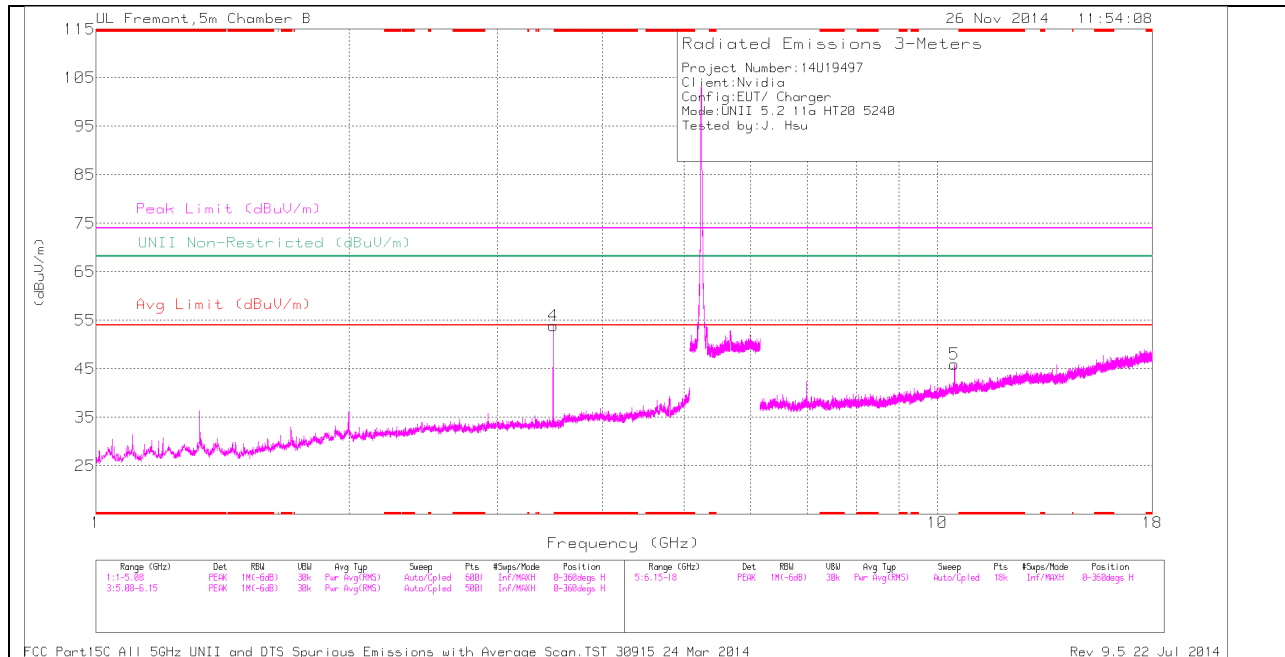
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.467	57.7	PK1	32.8	-31.3	0	59.2	-	-	-	-	68.2	-9	94	249	H
3.467	48.8	AD1	32.8	-31.3	.3	50.59	-	-	-	-	-	-	94	249	H
10.399	46.9	PK1	37.3	-23.6	0	60.6	-	-	-	-	68.2	-7.6	68	232	H
10.402	33.65	AD1	37.3	-23.6	.3	47.64	-	-	-	-	-	-	68	232	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

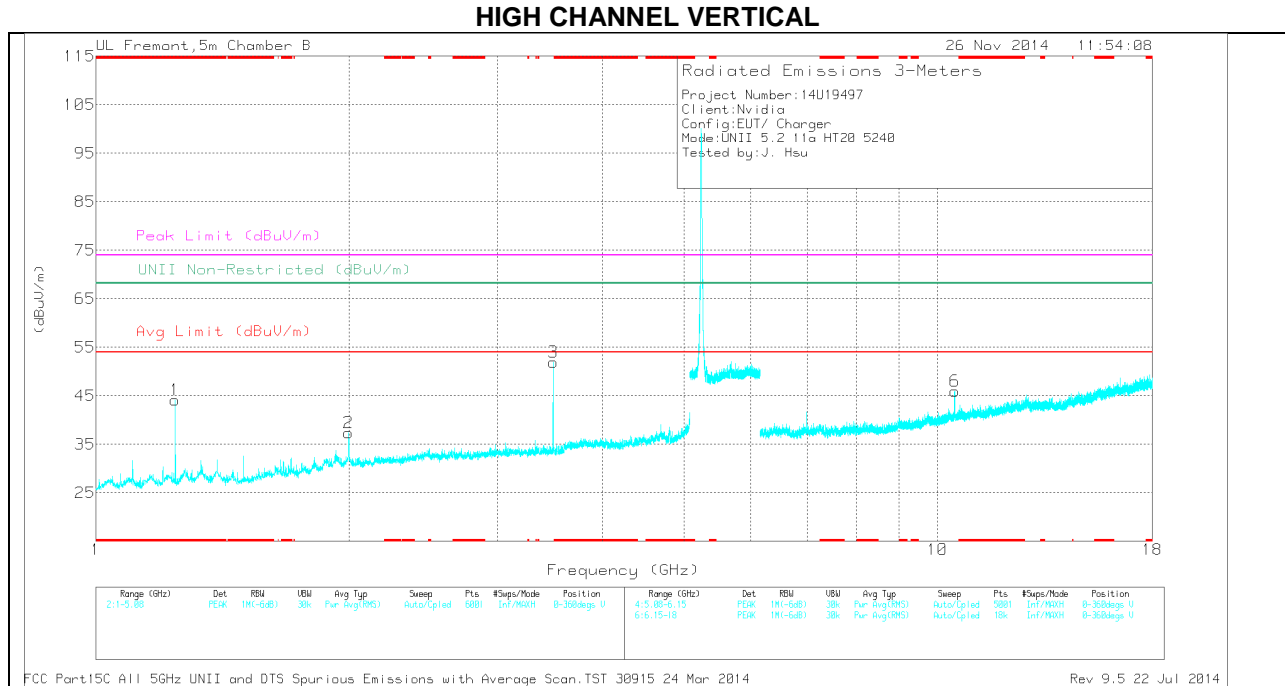
PK - Peak detector

RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 1.241	50.21	PK	28.5	-34.6	0	44.11	-	-	74	-29.89	-	-	0-360	101	V
2	1.997	39.16	PK	31.3	-33.1	0	37.36	-	-	-	-	68.2	-30.84	0-360	101	V
4	3.494	52.72	PK	32.8	-31.6	0	53.92	-	-	-	-	68.2	-14.28	0-360	101	H
3	3.494	50.71	PK	32.8	-31.6	0	51.91	-	-	-	-	68.2	-16.29	0-360	199	V
5	10.476	32.61	PK	37.4	-24	0	46.01	-	-	-	-	68.2	-22.19	0-360	101	H
6	10.481	32.68	PK	37.4	-24.1	0	45.98	-	-	-	-	68.2	-22.22	0-360	101	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
3.493	58.15	PK1	32.8	-31.6	0	59.35	-	-	-	-	68.2	-8.85	66	239	H
3.493	50.46	AD1	32.8	-31.6	.3	51.95	-	-	-	-	-	-	66	239	H
10.479	44.09	PK1	37.4	-24.1	0	57.39	-	-	-	-	68.2	-10.81	201	120	H
10.482	30.6	AD1	37.4	-24.1	.3	44.19	-	-	-	-	-	-	201	120	H

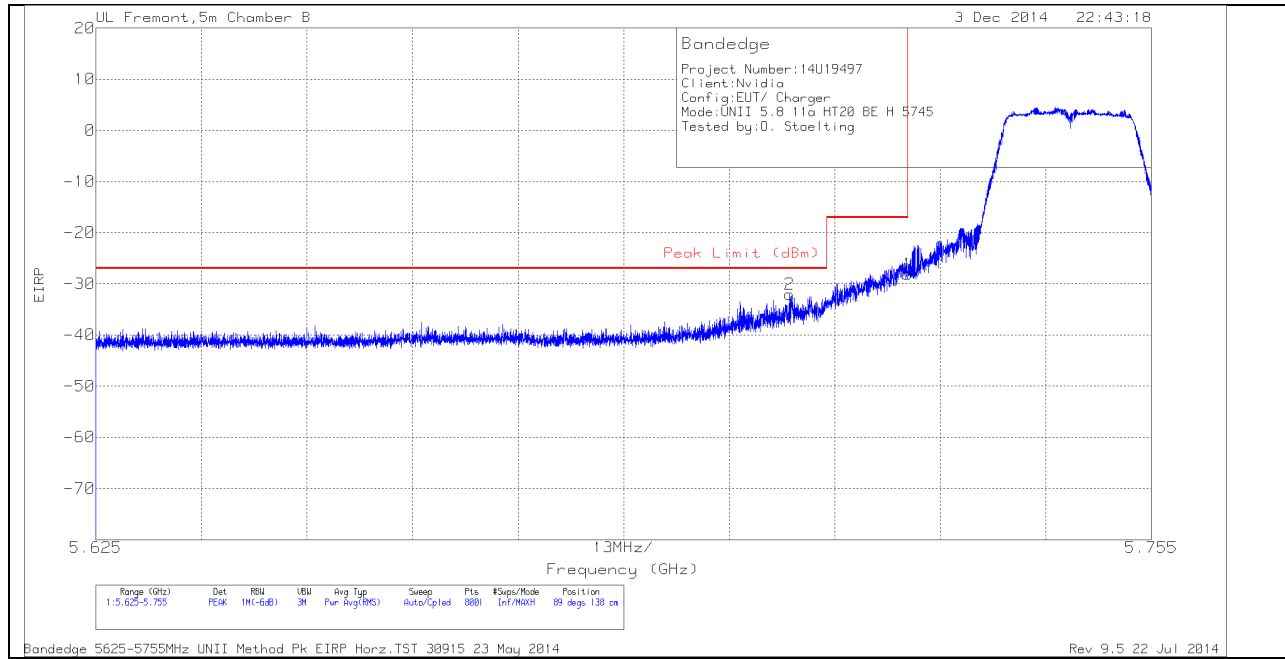
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

13.2. 5.8 GHz

13.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS HORIZONTAL PEAK AND AVERAGE PLOT



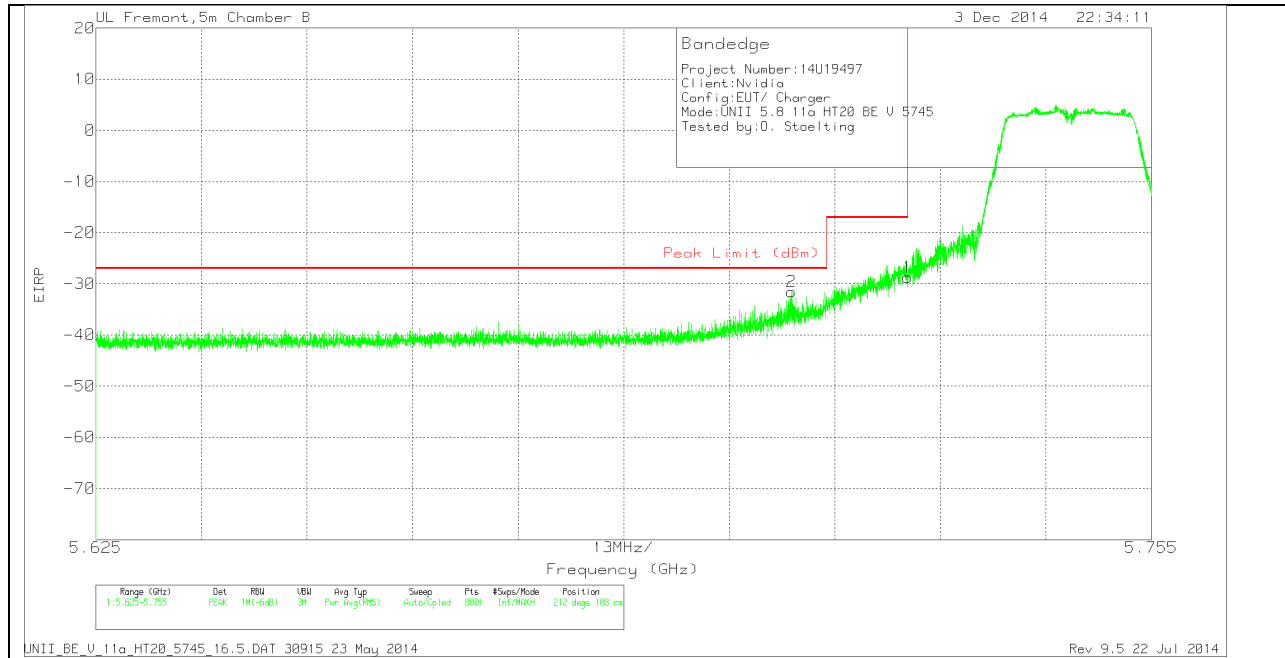
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.71	-58.25	PK	34.5	-20.1	11.8	0	-32.05	-27	-5.05	89	138	H
1	5.725	-54.39	PK	34.6	-20.1	11.8	0	-28.09	-17	-11.09	89	138	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

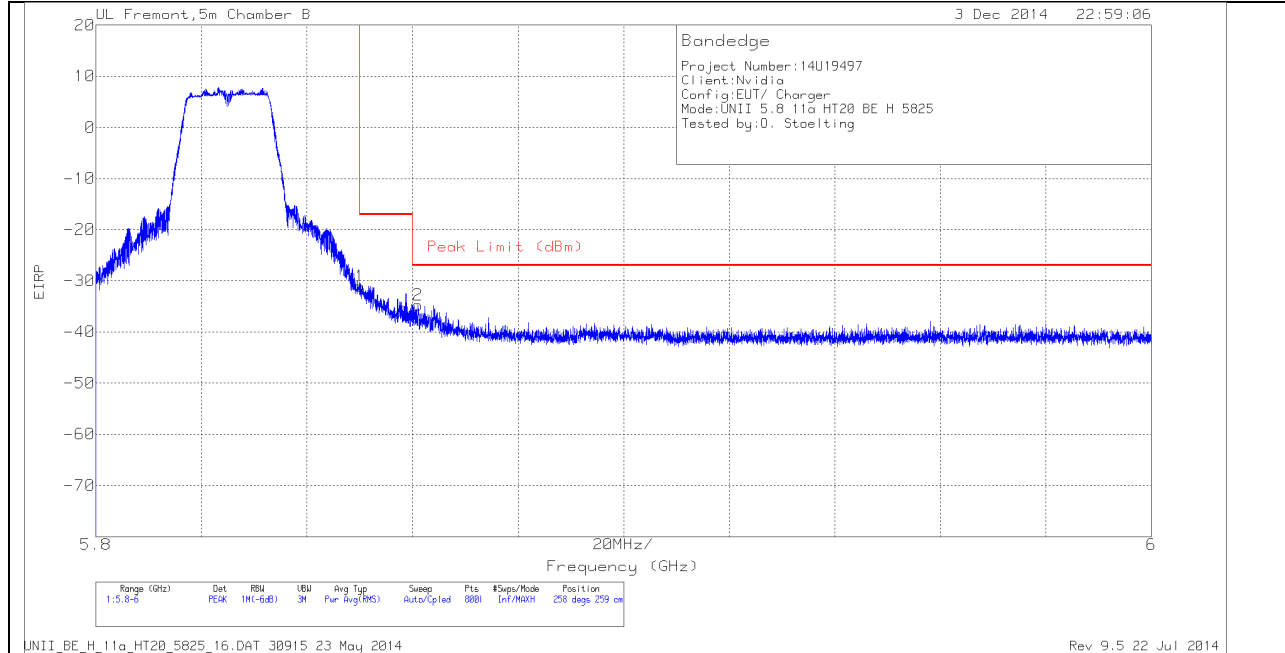
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.711	-57.7	PK	34.5	-20.1	11.8	0	-31.5	-27	-4.5	212	108	V
1	5.725	-55.03	PK	34.6	-20.1	11.8	0	-28.73	-17	-11.73	212	108	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



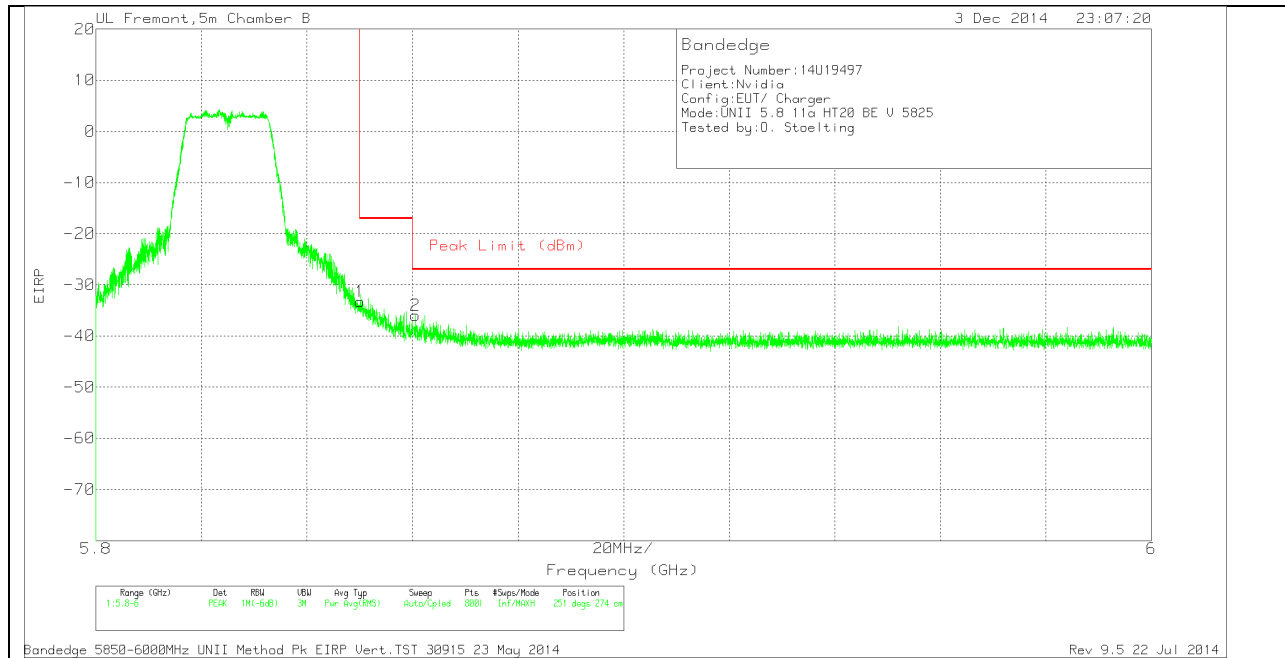
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-57.78	PK	34.8	-19.9	11.8	0	-31.08	-17	-14.08	258	259	H
2	5.861	-61.42	PK	34.8	-19.9	11.8	0	-34.72	-27	-7.72	258	259	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT

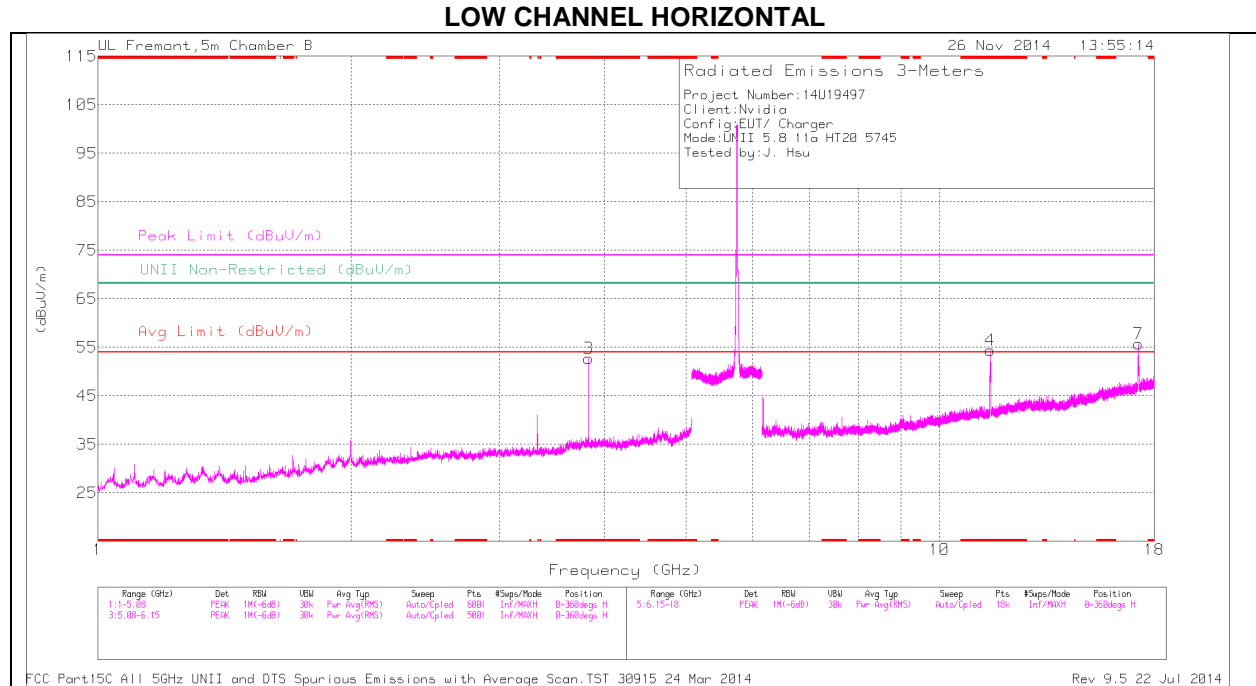


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-59.95	PK	34.8	-19.9	11.8	0	-33.25	-17	-16.25	251	274	V
2	5.861	-62.63	PK	34.8	-19.9	11.8	0	-35.93	-27	-8.93	251	274	V

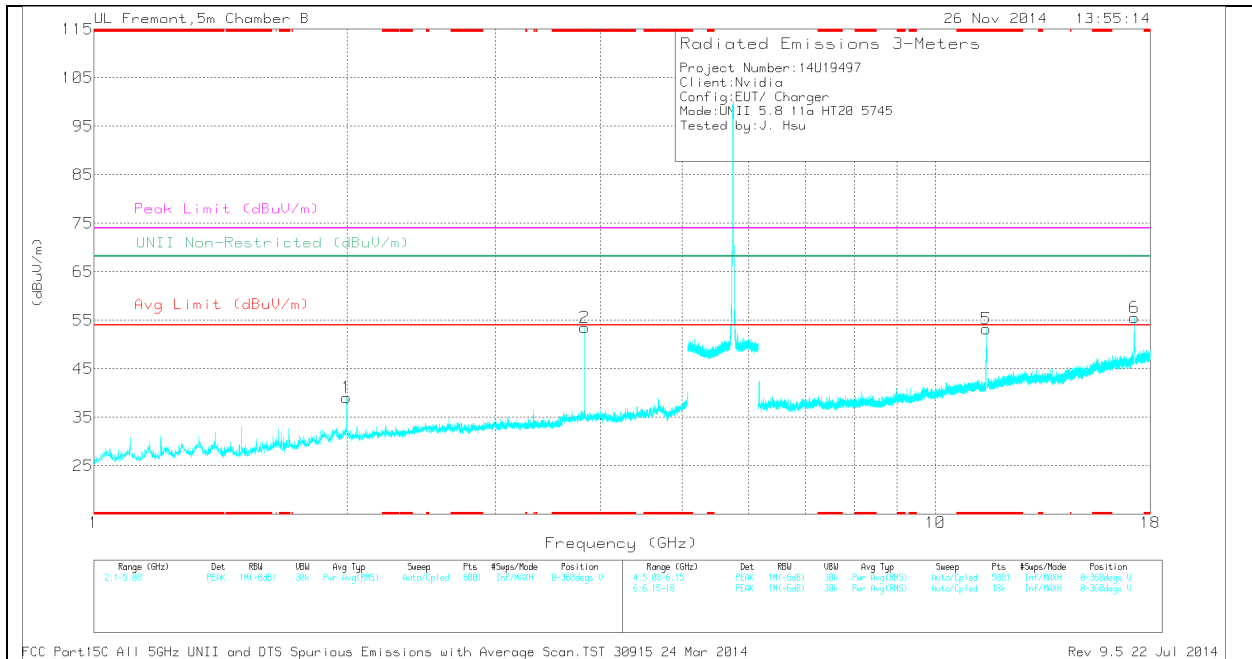
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector



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 (dB/m)	Amp/Cbl/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	* 3.83	50.37	PK	33.7	-31.3	0	52.77	-	-	74	-21.23	-	-	0-360	101	H
2	* 3.83	51.09	PK	33.7	-31.3	0	53.49	-	-	74	-20.51	-	-	0-360	200	V
4	* 11.489	39.29	PK	38	-22.9	0	54.39	-	-	74	-19.61	-	-	0-360	101	H
5	* 11.492	38.14	PK	38	-22.9	0	53.24	-	-	74	-20.76	-	-	0-360	101	V
1	1.996	40.93	PK	31.3	-33.1	0	39.13	-	-	-	-	68.2	-29.07	0-360	200	V
7	17.228	34.14	PK	41.5	-19.9	0	55.74	-	-	-	-	68.2	-12.46	0-360	101	H
6	17.238	33.83	PK	41.5	-19.8	0	55.53	-	-	-	-	68.2	-12.67	0-360	101	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

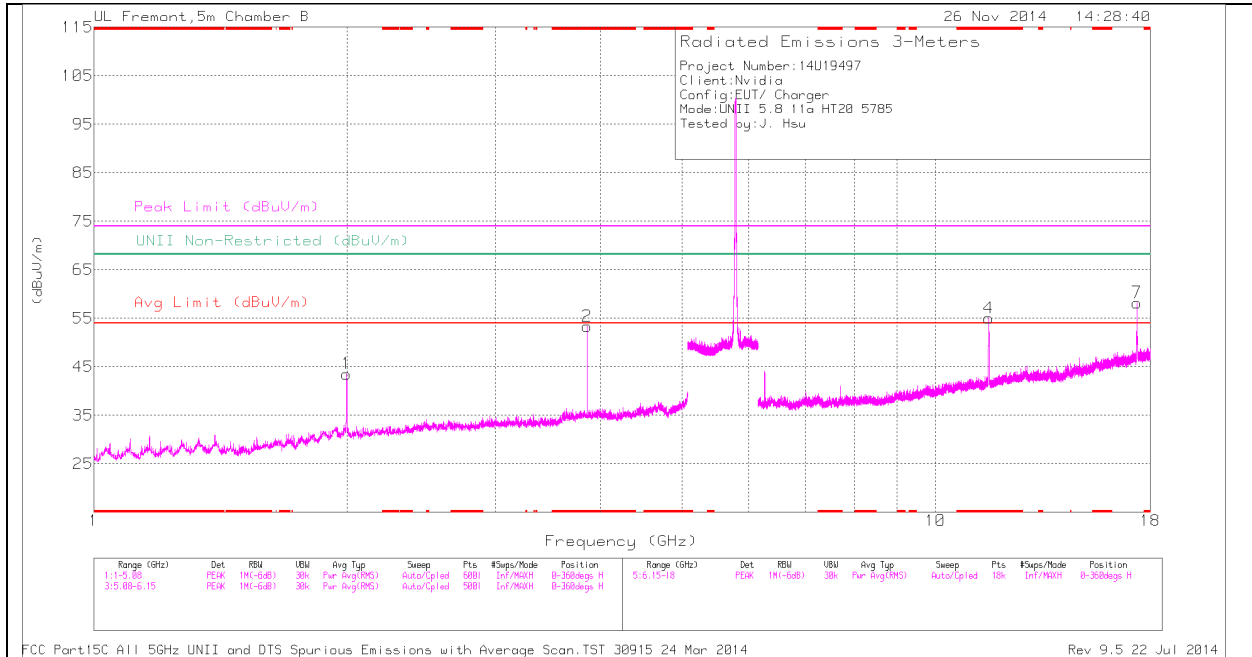
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.83	53.34	PK1	33.7	-31.3	0	55.74	-	-	74	-18.26	-	-	169	300	V
* 3.83	46.28	AD1	33.7	-31.3	.29	48.97	54	-5.03	-	-	-	-	169	300	V
* 11.488	50.8	PK1	38	-22.9	0	65.9	-	-	74	-8.1	-	-	60	137	H
* 11.492	38.04	AD1	38	-22.9	.29	53.43	54	-5.7	-	-	-	-	60	137	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

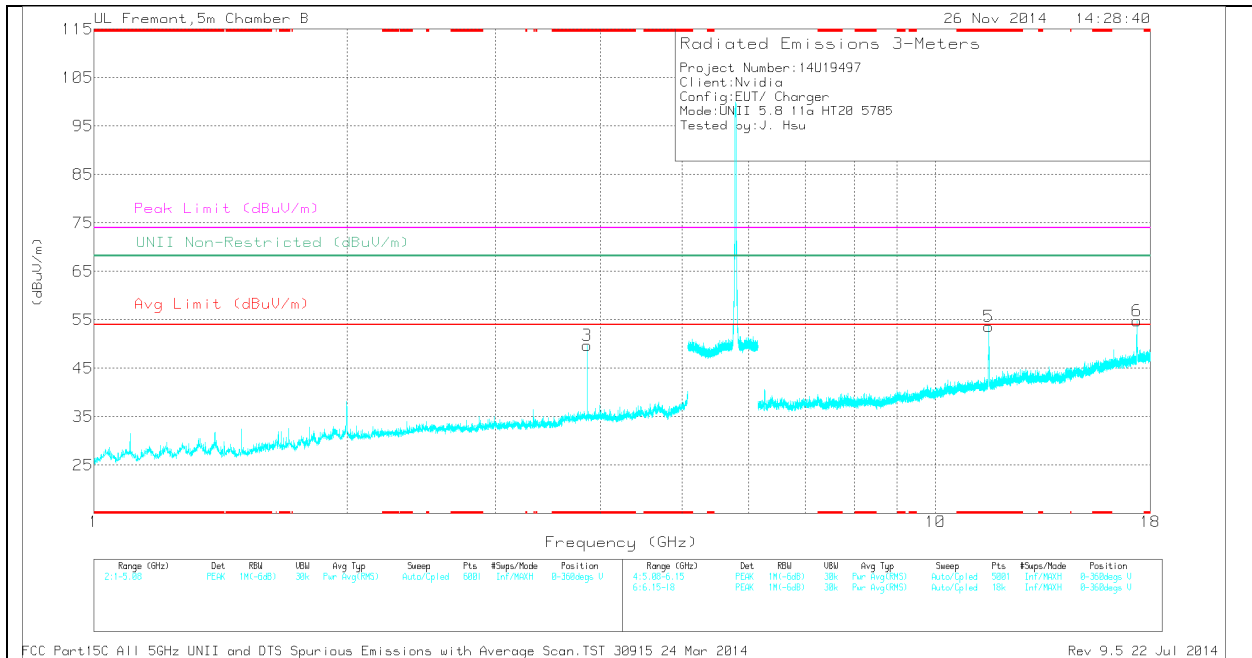
RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
2	* 3.857	51.22	PK	33.7	-31.5	0	53.42	-	-	74	-20.58	-	-	0-360	199	H
3	* 3.857	47.56	PK	33.7	-31.5	0	49.76	-	-	74	-24.24	-	-	0-360	101	V
4	* 11.568	39.2	PK	38.1	-22.3	0	55	-	-	74	-19	-	-	0-360	101	H
5	* 11.566	37.78	PK	38.1	-22.2	0	53.68	-	-	74	-20.32	-	-	0-360	199	V
1	1.997	45.36	PK	31.3	-33.1	0	43.56	-	-	-	-	68.2	-24.64	0-360	199	H
7	17.349	36.73	PK	41.6	-20.1	0	58.23	-	-	-	-	68.2	-9.97	0-360	199	H
6	17.359	33.26	PK	41.6	-20.1	0	54.76	-	-	-	-	68.2	-13.44	0-360	101	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

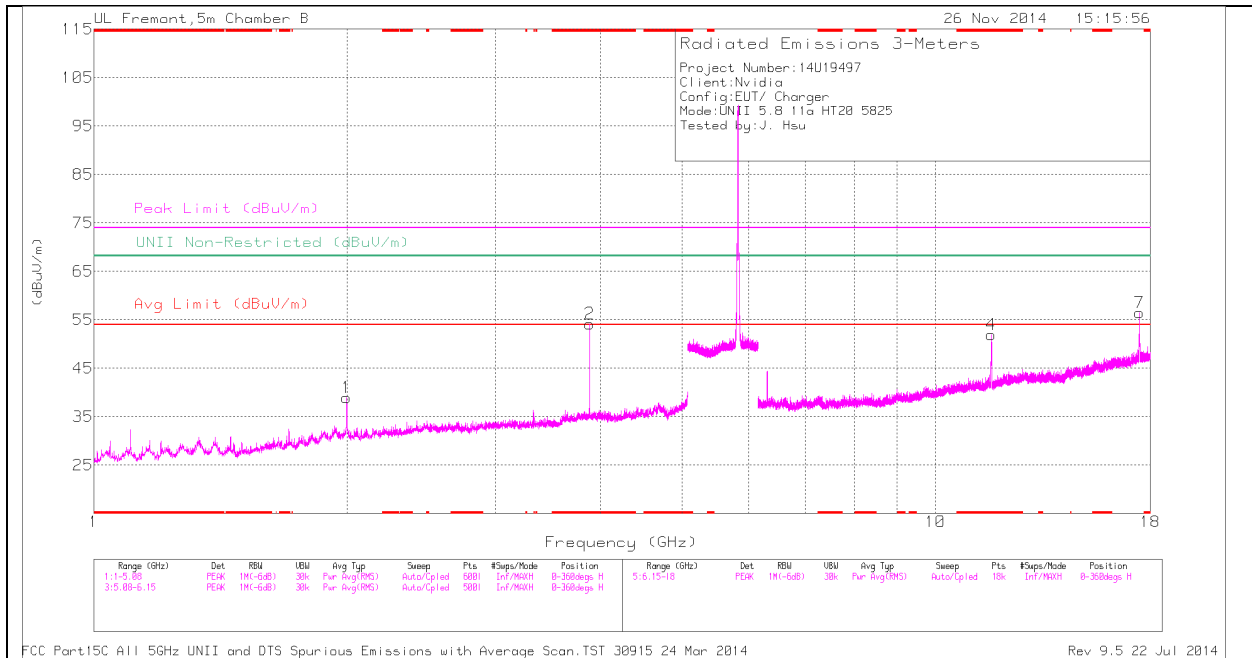
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.857	53.14	PK1	33.7	-31.5	0	55.34	-	-	74	-18.66	-	-	45	209	H
* 3.857	45.13	AD1	33.7	-31.5	.29	47.62	54	-6.38	-	-	-	-	45	209	H
* 11.569	50.38	PK1	38.1	-22.3	0	66.18	-	-	74	-7.82	-	-	42	272	H
* 11.571	37	AD1	38.1	-22.3	.29	53.09	54	-9.1	-	-	-	-	42	272	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

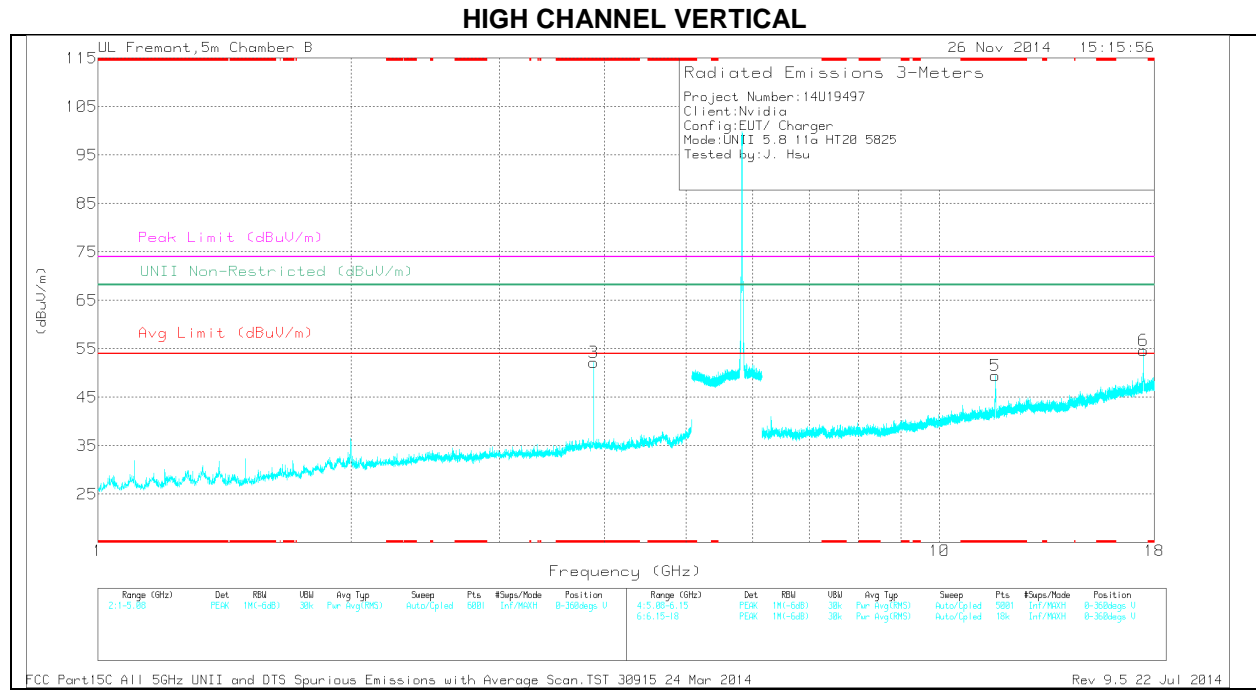
PK - Peak detector

RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
2	* 3.883	51.9	PK	33.8	-31.5	0	54.2	-	-	74	-19.8	-	-	0-360	101	H
3	* 3.883	49.84	PK	33.8	-31.5	0	52.14	-	-	74	-21.86	-	-	0-360	199	V
4	* 11.649	36.82	PK	38.1	-23	0	51.92	-	-	74	-22.08	-	-	0-360	199	H
5	* 11.651	34.44	PK	38.1	-23.1	0	49.44	-	-	74	-24.56	-	-	0-360	101	V
1	1.997	40.8	PK	31.3	-33.1	0	39	-	-	-	-	68.2	-29.2	0-360	199	H
6	17.472	32.79	PK	41.7	-19.8	0	54.69	-	-	-	-	68.2	-13.51	0-360	101	V
7	17.473	34.58	PK	41.7	-19.8	0	56.48	-	-	-	-	68.2	-11.72	0-360	101	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
* 3.883	51.78	PK1	33.8	-31.5	0	54.08	-	-	74	-19.92	-	-	64	106	H
* 3.883	45.58	AD1	33.8	-31.5	.29	48.17	54	-5.83	-	-	-	-	64	106	H
* 11.648	49.86	PK1	38.1	-23	0	64.96	-	-	74	-9.04	-	-	41	280	H
* 11.65	36.81	AD1	38.1	-23	.29	52.2	54	-1.8	-	-	-	-	41	280	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

14. TRANSMITTER ABOVE 1 GHz MIMO Chain 1

LIMITS

FCC §15.205 and §15.209

IC RSS-GEN Clause 8.9 (Transmitter)

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for above 1GHz. The antenna to EUT distance is 3 meters.

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

Reference to KDB 789033 UNII part H) 6) d) Method VB:

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor to the reading offset for average measurements.

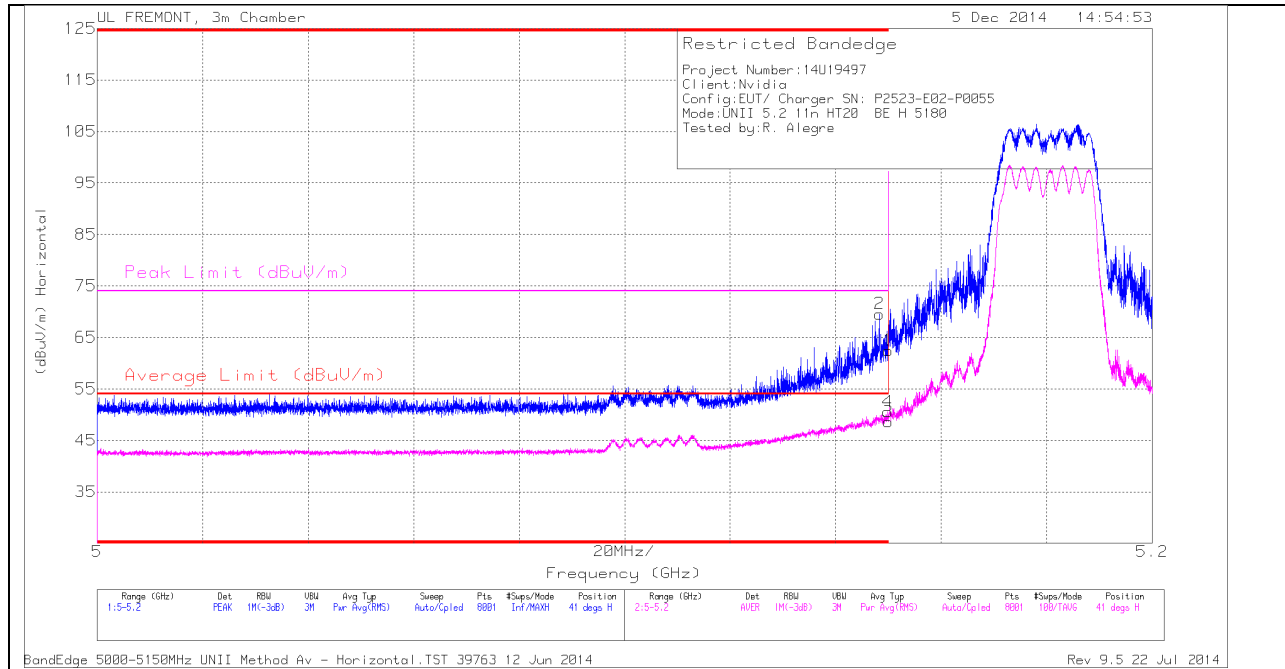
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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

14.1. 5.2 GHz

14.1.1. 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

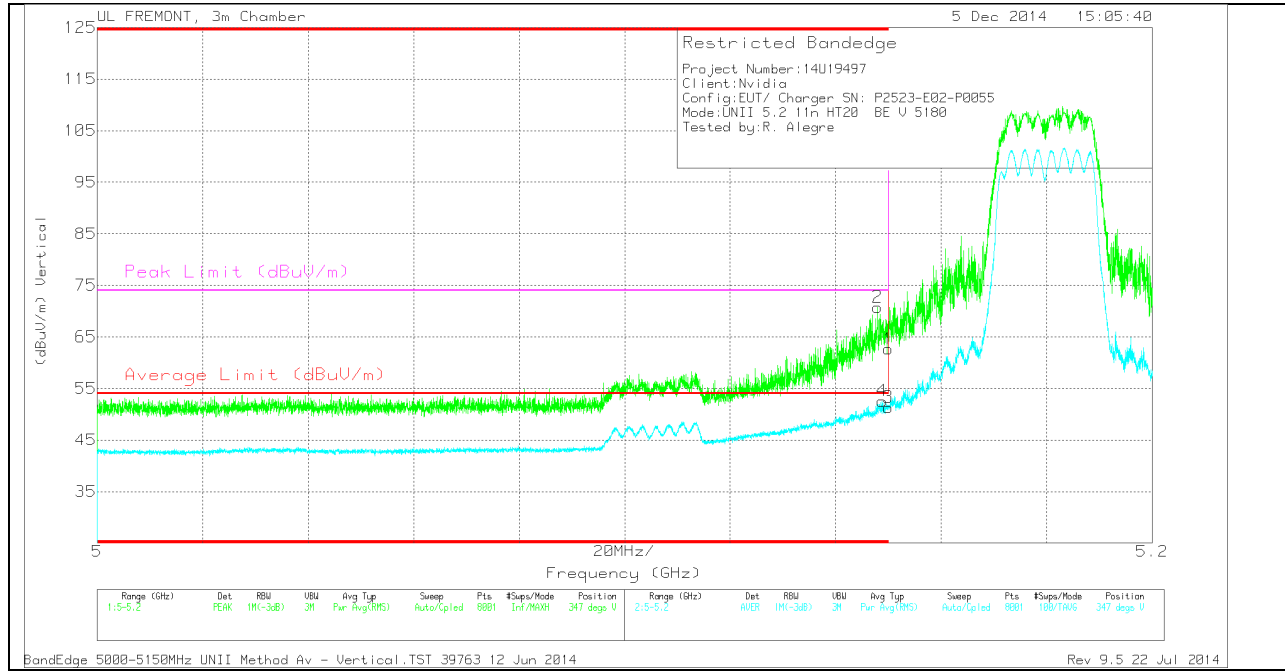
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	49.86	PK	34.2	-21.6	0	62.46	-	-	74	-11.54	41	314	H
2	* 5.148	56.97	PK	34.2	-21.6	0	69.57	-	-	74	-4.43	41	314	H
3	* 5.15	35.68	RMS	34.2	-21.6	.33	48.61	54	-5.39	-	-	41	314	H
4	* 5.15	37.62	RMS	34.2	-21.6	.33	50.55	54	-3.45	-	-	41	314	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filter/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	50.07	PK	34.2	-21.6	0	62.67	-	-	74	-11.33	347	386	V
2	* 5.148	58.16	PK	34.2	-21.6	0	70.76	-	-	74	-3.24	347	386	V
3	* 5.15	38.41	RMS	34.2	-21.6	.33	51.34	54	-2.66	-	-	347	386	V
4	* 5.149	39.66	RMS	34.2	-21.6	.33	52.59	54	-1.41	-	-	347	386	V

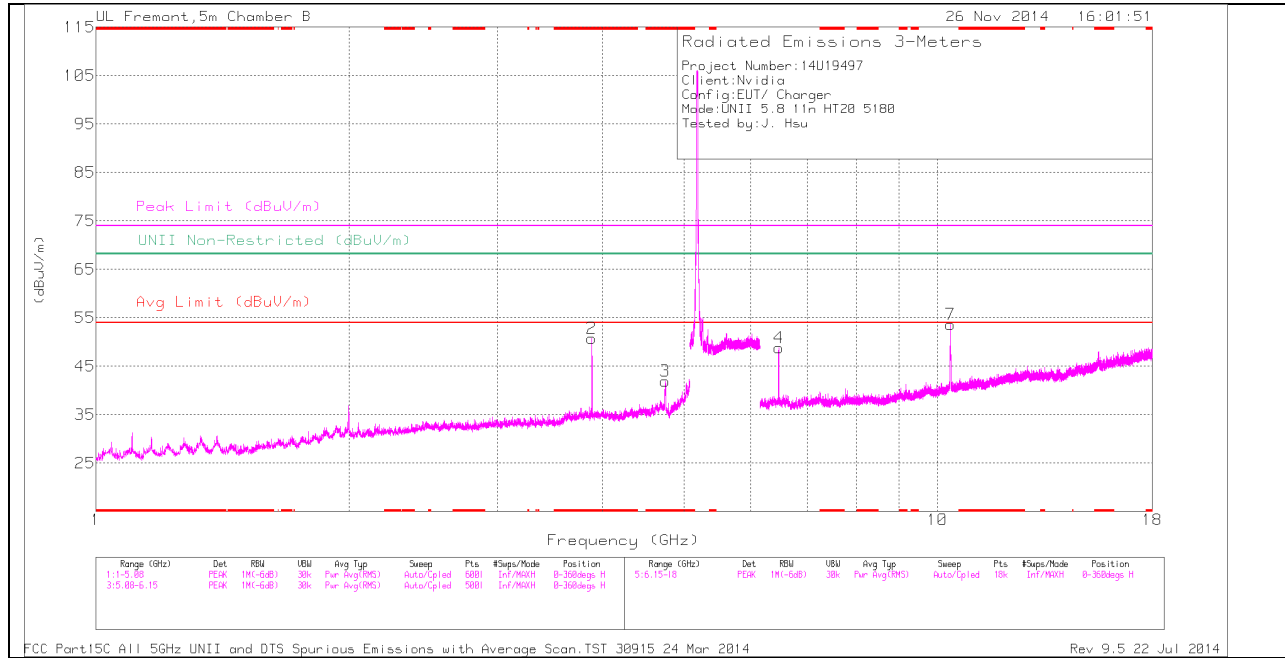
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

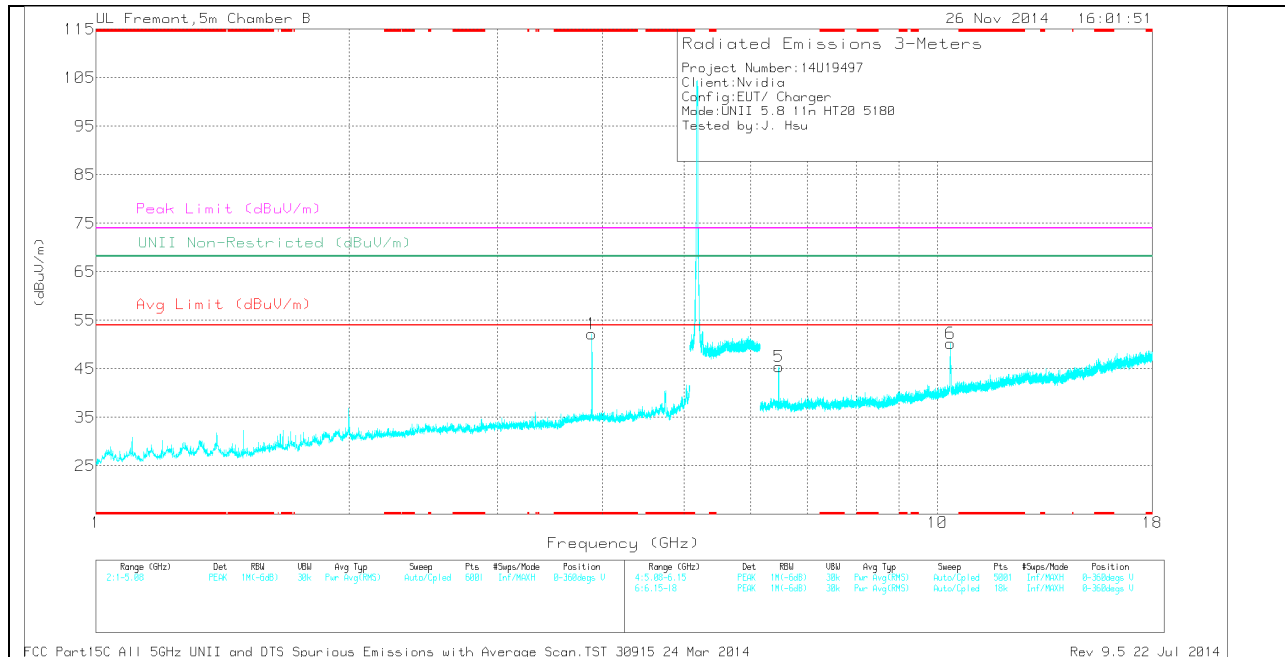
HARMONICS AND SPURIOUS EMISSIONS

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
2	* 3.885	48.44	PK	33.8	-31.5	0	50.74	-	-	74	-23.26	-	-	0-360	200	H
3	* 4.748	37.58	PK	34.2	-29.8	0	41.98	-	-	74	-32.02	-	-	0-360	101	H
1	* 3.885	49.84	PK	33.8	-31.5	0	52.14	-	-	74	-21.86	-	-	0-360	101	V
4	6.475	42.75	PK	35.6	-29.5	0	48.85	-	-	-	-	68.2	-19.35	0-360	199	H
5	6.475	39.36	PK	35.6	-29.5	0	45.46	-	-	-	-	68.2	-22.74	0-360	199	V
7	10.357	39.87	PK	37.2	-23.4	0	53.67	-	-	-	-	68.2	-14.53	0-360	199	H
6	10.36	36.43	PK	37.2	-23.4	0	50.23	-	-	-	-	68.2	-17.97	0-360	101	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

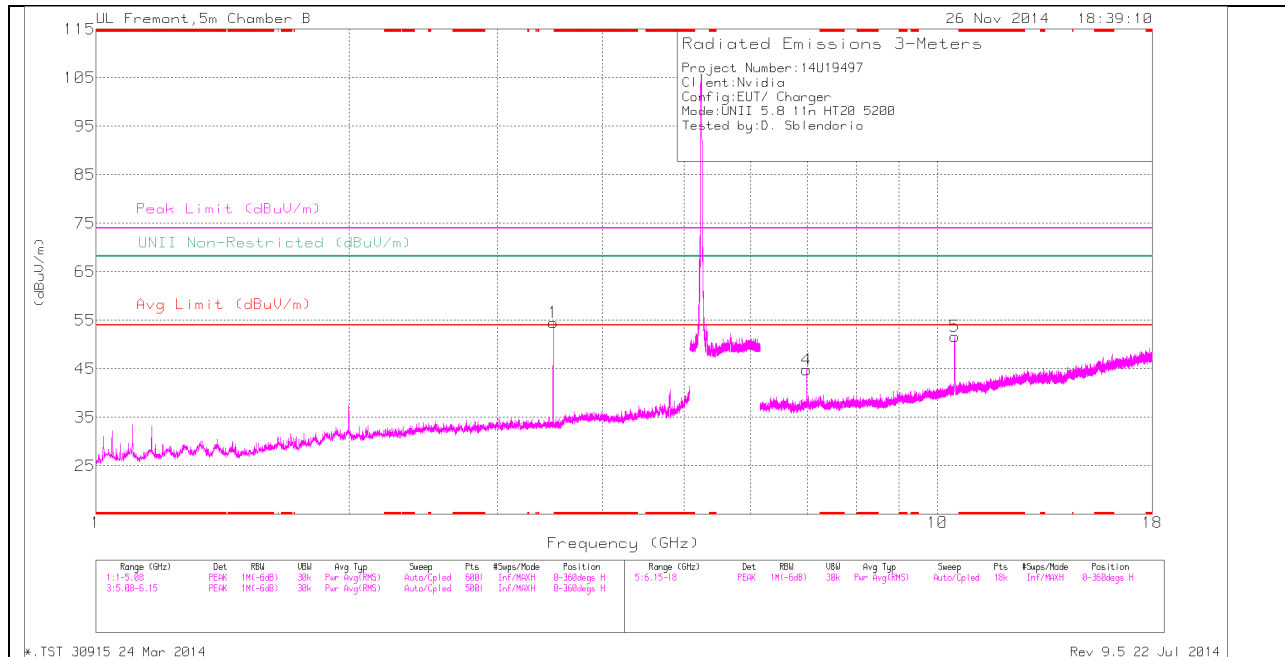
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.358	49.43	PK1	37.2	-23.4	0	63.23	-	-	-	-	68.2	-4.97	40	251	H
10.361	36.08	AD1	37.2	-23.4	.33	50.21	-	-	-	-	-	-	40	251	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

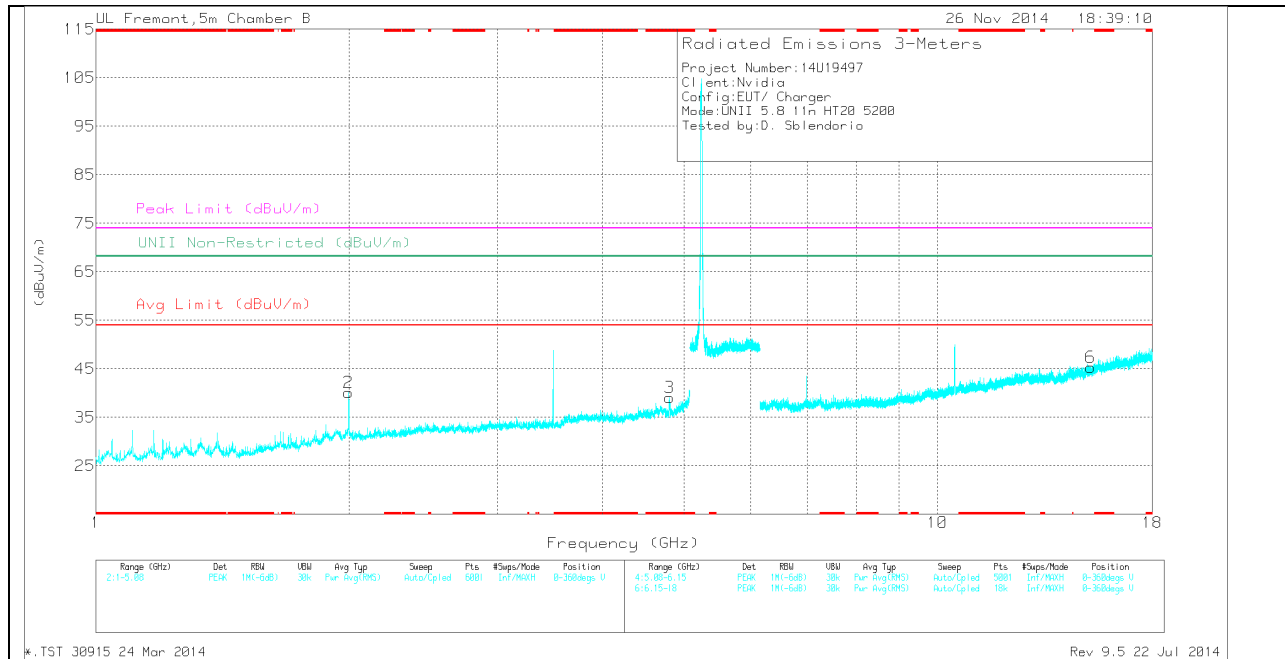
RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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	* 4.808	34.74	PK	34.2	-29.9	0	39.04	-	-	74	-34.96	-	-	0-360	199	V
2	1.997	41.96	PK	31.3	-33.1	0	40.16	-	-	-	-	68.2	-28.04	0-360	101	V
1	3.494	53.35	PK	32.8	-31.6	0	54.55	-	-	-	-	68.2	-13.65	0-360	199	H
4	6.987	36.59	PK	35.6	-27.4	0	44.79	-	-	-	-	68.2	-23.41	0-360	200	H
5	10.48	38.39	PK	37.4	-24.1	0	51.69	-	-	-	-	68.2	-16.51	0-360	200	H
6	15.211	26.27	PK	40	-20.9	0	45.37	-	-	-	-	68.2	-22.83	0-360	200	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

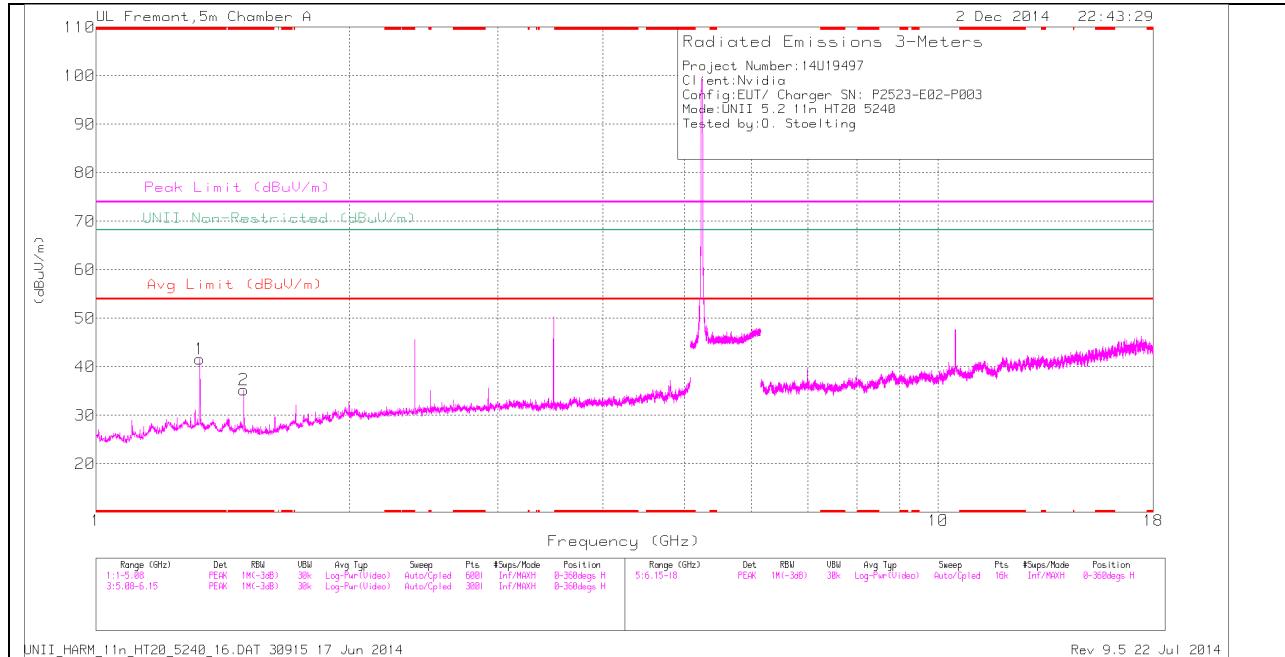
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.493	58.81	PK1	32.8	-31.6	0	60.01	-	-	-	-	68.2	-8.19	251	210	H
3.493	47.8	AD1	32.8	-31.6	.31	49.31	-	-	-	-	-	-	251	210	H
6.987	41.57	PK1	35.6	-27.4	0	49.77	-	-	-	-	68.2	-18.43	188	234	H
6.987	34.91	AD1	35.6	-27.4	.31	43.42	-	-	-	-	-	-	188	234	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

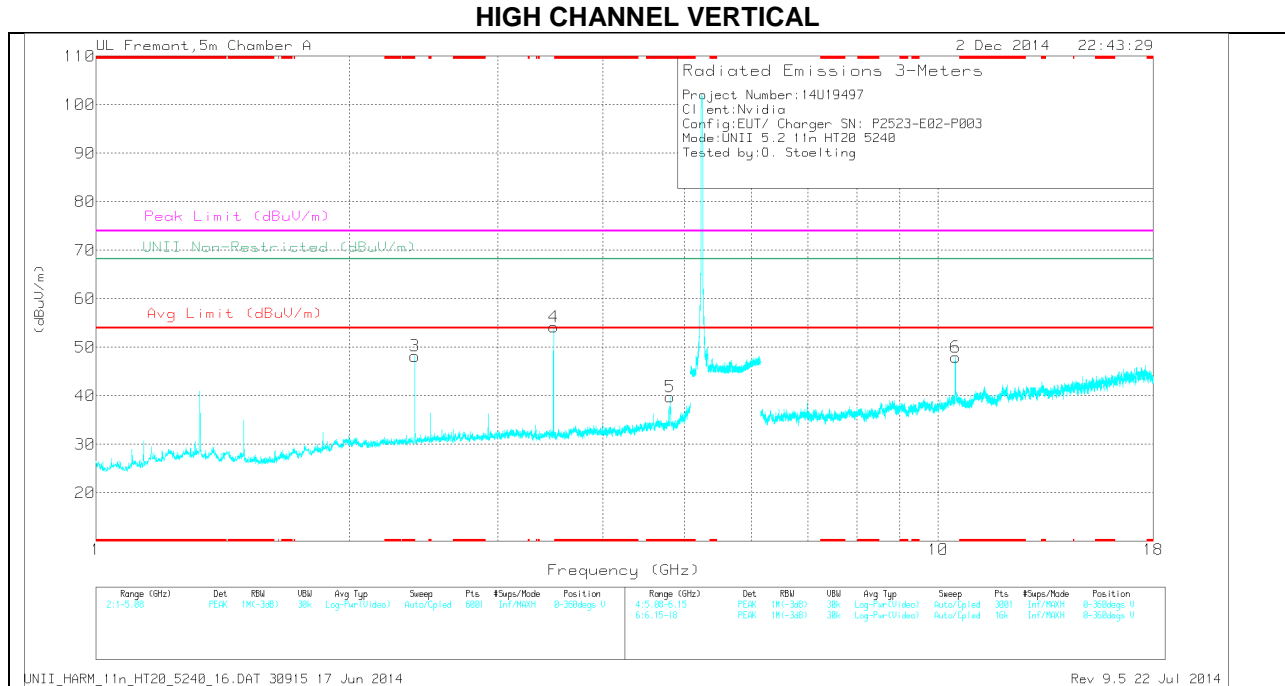
PK - Peak detector

RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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
1	* 1.328	45.3	PK	29.9	-33.6	0	41.6	-	-	74	-32.4	-	-	0-360	100	H
2	* 1.498	39.64	PK	28.5	-32.9	0	35.24	-	-	74	-38.76	-	-	0-360	100	H
5	* 4.803	35.99	PK	34.1	-30.3	0	39.79	-	-	74	-34.21	-	-	0-360	100	V
3	2.391	48.77	PK	32.1	-32.7	0	48.17	-	-	-	-	68.2	-20.03	0-360	200	V
4	3.494	52.65	PK	33	-31.5	0	54.15	-	-	-	-	68.2	-14.05	0-360	200	V
6	10.479	36.23	PK	37.5	-25.7	0	48.03	-	-	-	-	68.2	-20.17	0-360	100	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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
* 1.328	49.88	PK1	29.9	-33.6	0	46.18	-	-	74	-27.82	-	-	39	103	H
* 1.328	36.72	AD1	29.9	-33.6	.31	33.33	54	-20.67	-	-	-	-	39	103	H
* 1.498	45.03	PK1	28.5	-32.9	0	40.63	-	-	74	-33.37	-	-	141	105	H
* 1.498	36.05	AD1	28.5	-32.9	.31	31.96	54	-22.04	-	-	-	-	141	105	H
* 4.803	46.62	PK1	34.1	-30.3	0	50.42	-	-	74	-23.58	-	-	291	152	V
* 4.803	37.47	AD1	34.1	-30.3	.31	41.58	54	-12.42	-	-	-	-	291	152	V
2.39	40.31	AD1	32.1	-32.7	.31	40.02	-	-	-	-	-	-	196	260	V
2.391	50.4	PK1	32.1	-32.7	0	49.8	-	-	-	-	68.2	-18.4	196	260	V
3.493	53.01	PK1	33	-31.5	0	54.51	-	-	-	-	68.2	-13.69	209	226	V
3.493	41.77	AD1	33	-31.5	.31	43.58	-	-	-	-	-	-	209	226	V
10.48	48.9	PK1	37.5	-25.7	0	60.7	-	-	-	-	68.2	-7.5	244	134	V
10.48	35.18	AD1	37.5	-25.7	.31	47.29	-	-	-	-	-	-	244	134	V

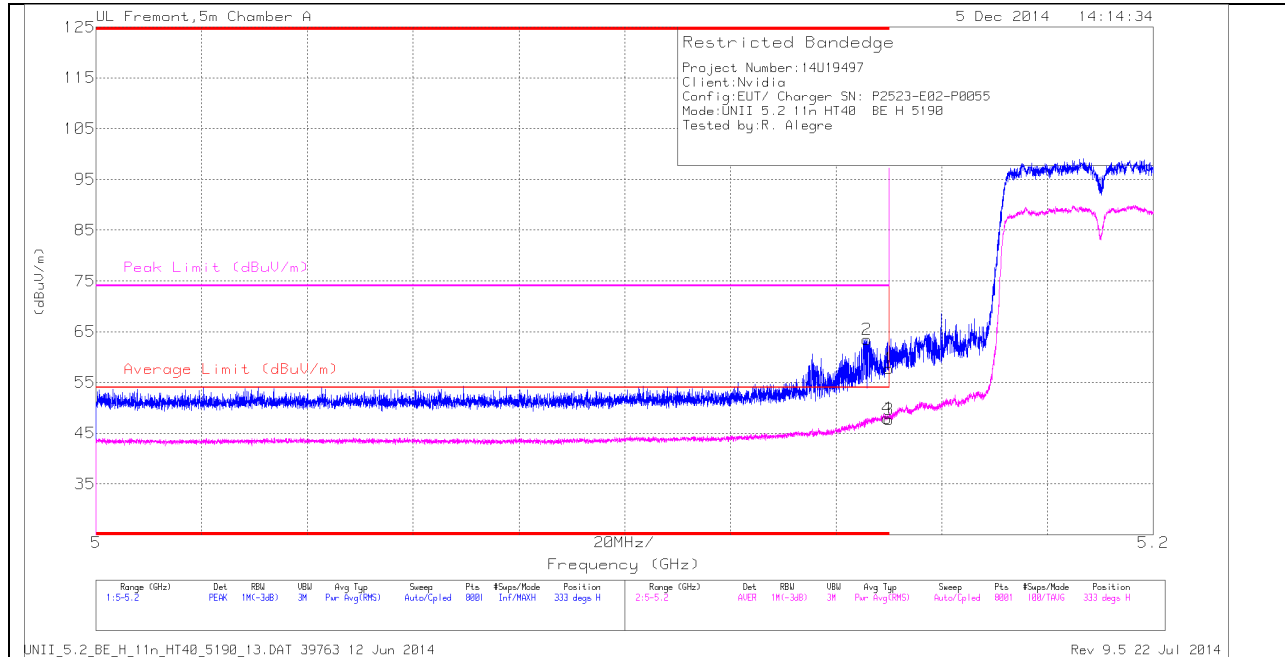
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

14.1.2. 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

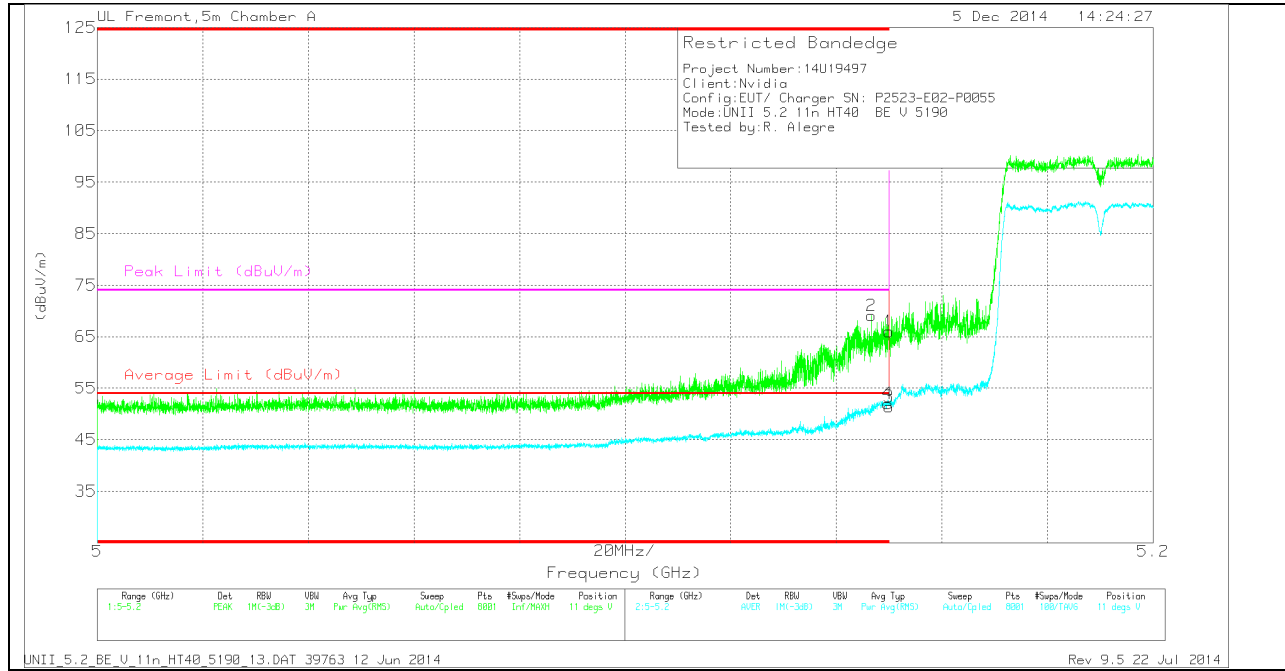
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.13	PK	34.2	-21.6	0	57.73	-	-	74	-16.27	333	109	H
2	* 5.146	50.89	PK	34.2	-21.6	0	63.49	-	-	74	-10.51	333	109	H
3	* 5.15	34.65	RMS	34.2	-21.6	1.07	48.32	54	-5.68	-	-	333	109	H
4	* 5.15	35	RMS	34.2	-21.6	1.07	48.67	54	-5.33	-	-	333	109	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filter/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	53.39	PK	34.2	-21.6	0	65.99	-	-	74	-8.01	11	269	V
2	* 5.147	56.47	PK	34.2	-21.6	0	69.07	-	-	74	-4.93	11	269	V
3	* 5.15	38.4	RMS	34.2	-21.6	1.07	52.07	54	-1.93	-	-	11	269	V
4	* 5.15	39.05	RMS	34.2	-21.6	1.07	52.72	54	-1.28	-	-	11	269	V

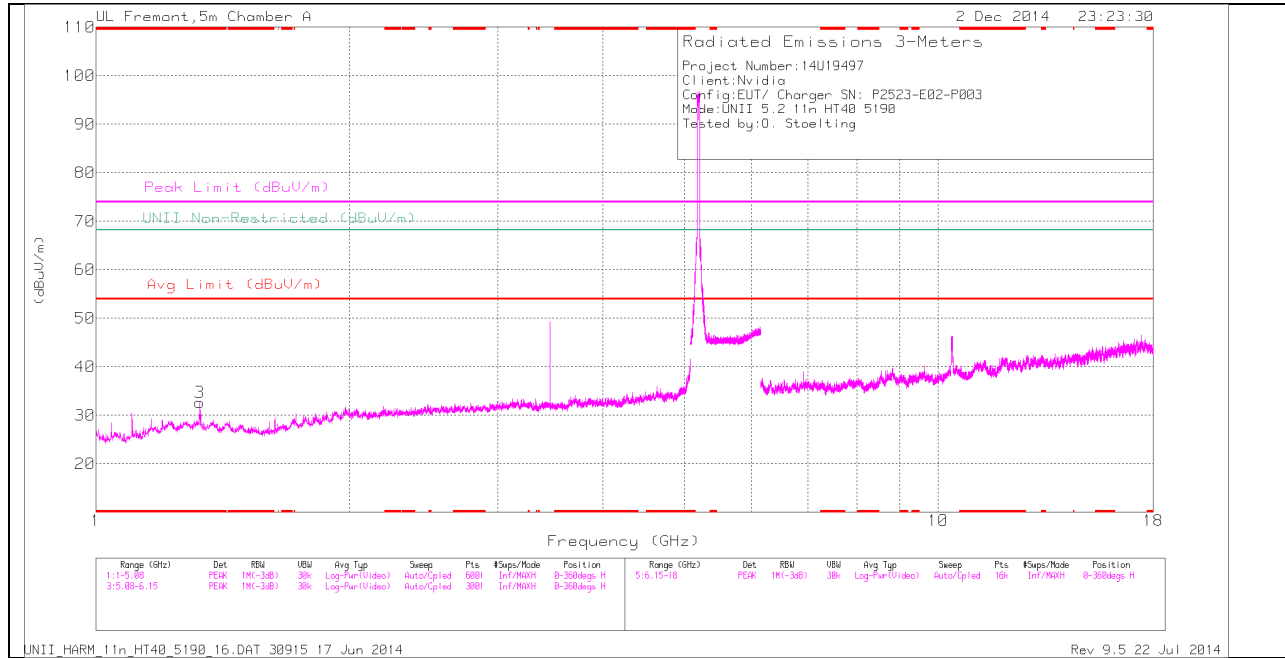
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

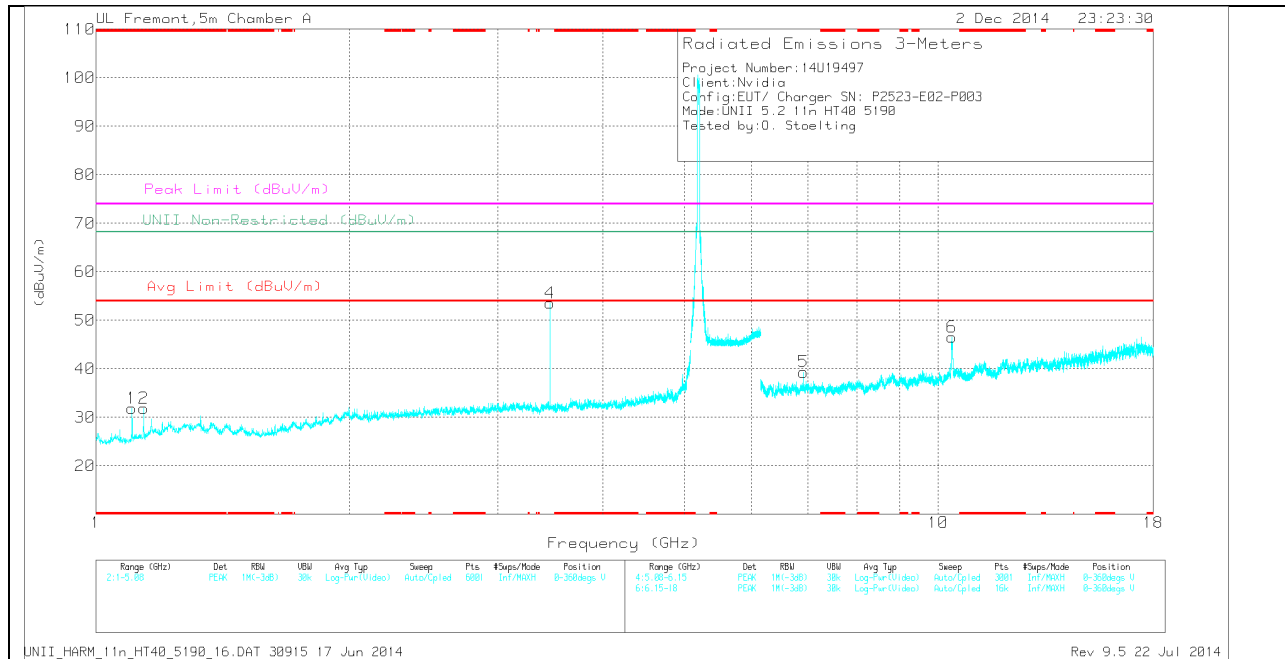
HARMONICS AND SPURIOUS EMISSIONS

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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	* 1.328	36.34	PK	29.9	-33.6	0	32.64	-	-	74	-41.36	-	-	0-360	200	H
1	* 1.103	38.12	PK	27.3	-33.5	0	31.92	-	-	74	-42.08	-	-	0-360	200	V
2	* 1.139	37.24	PK	28	-33.4	0	31.84	-	-	74	-42.16	-	-	0-360	200	V
4	3.46	51.85	PK	33	-31.3	0	53.55	-	-	-	-	68.2	-14.65	0-360	100	V
5	6.92	32.44	PK	35.6	-28.7	0	39.34	-	-	-	-	68.2	-28.86	0-360	100	V
6	10.381	34.89	PK	37.3	-25.6	0	46.59	-	-	-	-	68.2	-21.61	0-360	100	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

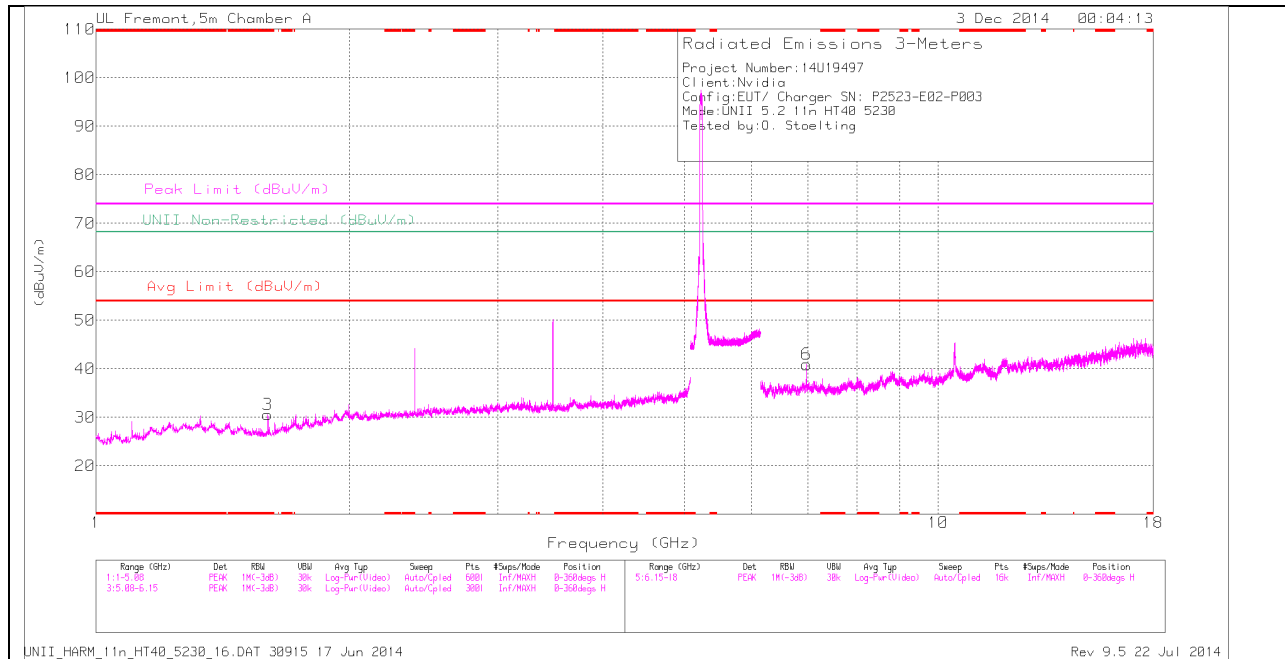
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.326	42.17	PK1	29.9	-33.6	0	38.47	-	-	74	-35.53	-	-	140	287	H
* 1.327	30.15	AD1	29.9	-33.6	1.07	27.52	54	-26.48	-	-	-	-	140	287	H
* 1.103	44.65	PK1	27.3	-33.5	0	38.45	-	-	74	-35.55	-	-	182	206	V
* 1.103	35.72	AD1	27.3	-33.5	1.07	30.59	54	-23.41	-	-	-	-	182	206	V
* 1.139	43.92	PK1	28	-33.4	0	38.52	-	-	74	-35.48	-	-	10	203	V
* 1.139	33.75	AD1	28	-33.4	1.07	29.42	54	-24.58	-	-	-	-	10	203	V
3.46	53.88	PK1	33	-31.3	0	55.58	-	-	-	-	68.2	-12.62	265	183	V
3.46	46.43	AD1	33	-31.3	1.07	49.2	-	-	-	-	-	-	265	183	V
6.92	41.12	PK1	35.6	-28.7	0	48.02	-	-	-	-	68.2	-20.18	88	132	V
6.92	32.17	AD1	35.6	-28.7	1.07	40.14	-	-	-	-	-	-	88	132	V
10.381	46.83	PK1	37.3	-25.6	0	58.53	-	-	-	-	68.2	-9.67	240	130	V
10.381	32.98	AD1	37.3	-25.6	1.07	45.75	-	-	-	-	-	-	240	130	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

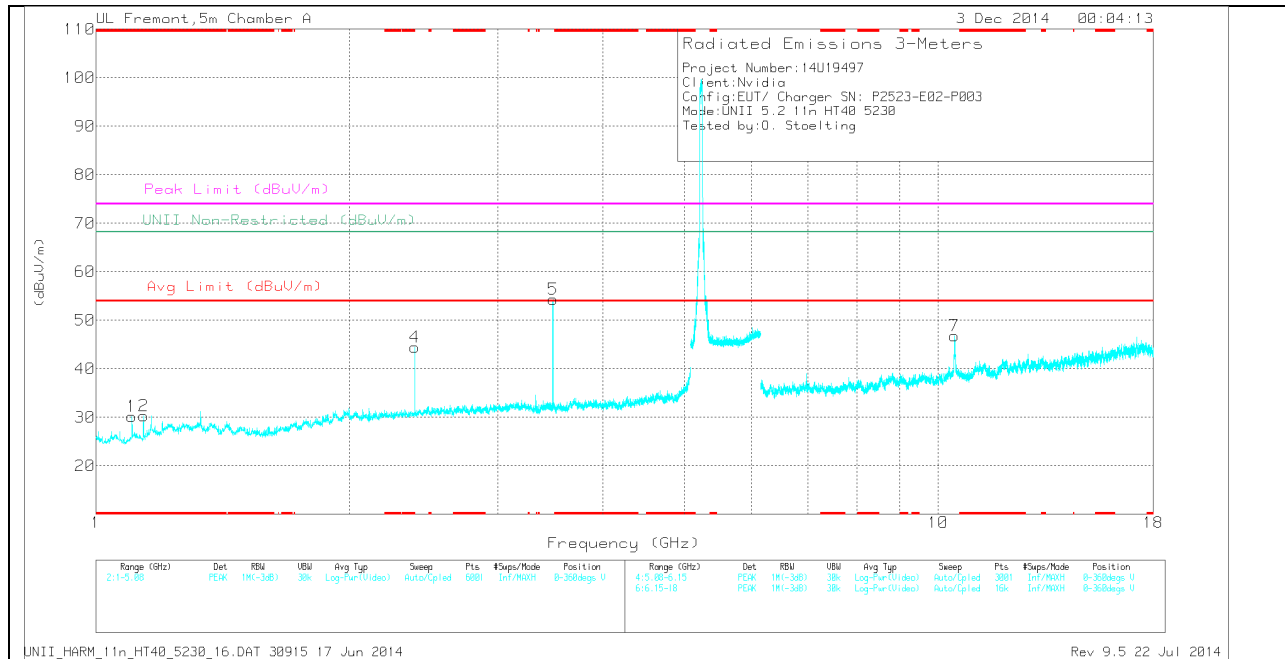
RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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	* 1.6	35.88	PK	28	-33.3	0	30.58	-	-	74	-43.42	-	-	0-360	100	H
1	* 1.103	36.37	PK	27.3	-33.5	0	30.17	-	-	74	-43.83	-	-	0-360	200	V
2	* 1.139	35.68	PK	28	-33.4	0	30.28	-	-	74	-43.72	-	-	0-360	200	V
4	2.391	45.1	PK	32.1	-32.7	0	44.5	-	-	-	-	68.2	-23.7	0-360	100	V
5	3.487	52.84	PK	33	-31.5	0	54.34	-	-	-	-	68.2	-13.86	0-360	200	V
6	6.973	33.9	PK	35.6	-28.6	0	40.9	-	-	-	-	68.2	-27.3	0-360	200	H
7	10.456	35.19	PK	37.4	-25.8	0	46.79	-	-	-	-	68.2	-21.41	0-360	100	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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
* 1.599	48	PK1	28.1	-33.3	0	42.8	-	-	74	-31.2	-	-	243	197	H
* 1.6	30.06	AD1	28	-33.3	1.07	25.83	54	-28.17	-	-	-	-	243	197	H
* 1.103	44.86	PK1	27.3	-33.5	0	38.66	-	-	74	-35.34	-	-	191	136	V
* 1.103	36.68	AD1	27.3	-33.5	1.07	31.55	54	-22.45	-	-	-	-	191	136	V
* 1.139	43.37	PK1	28	-33.4	0	37.97	-	-	74	-36.03	-	-	175	294	V
* 1.139	33.14	AD1	28	-33.4	1.07	28.81	54	-25.19	-	-	-	-	175	294	V
2.391	41.46	PK1	32.1	-32.7	0	40.86	-	-	-	-	68.2	-27.34	74	179	V
2.391	29.4	AD1	32.1	-32.7	1.07	29.87	-	-	-	-	-	-	74	179	V
3.487	55.89	PK1	33	-31.5	0	57.39	-	-	-	-	68.2	-10.81	264	204	V
3.487	48.77	AD1	33	-31.5	1.07	51.34	-	-	-	-	-	-	264	204	V
6.973	41.33	PK1	35.6	-28.6	0	48.33	-	-	-	-	68.2	-19.87	66	163	H
6.973	32.44	AD1	35.6	-28.6	1.07	40.51	-	-	-	-	-	-	66	163	H

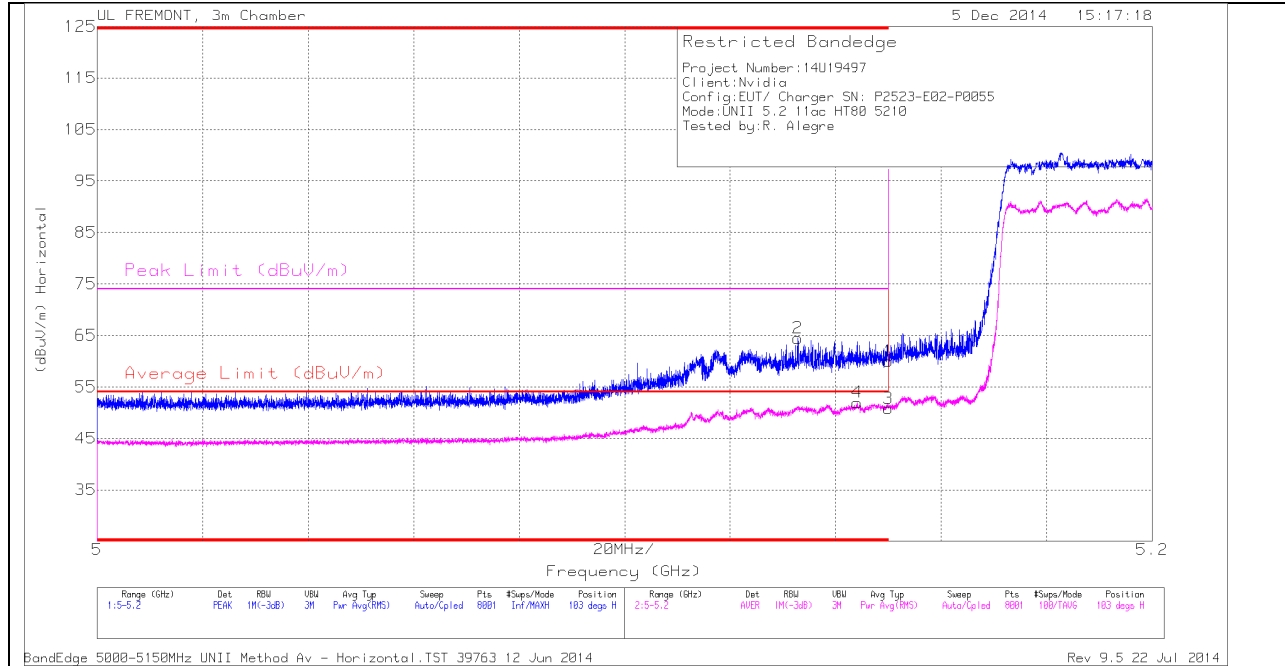
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

14.1.3. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

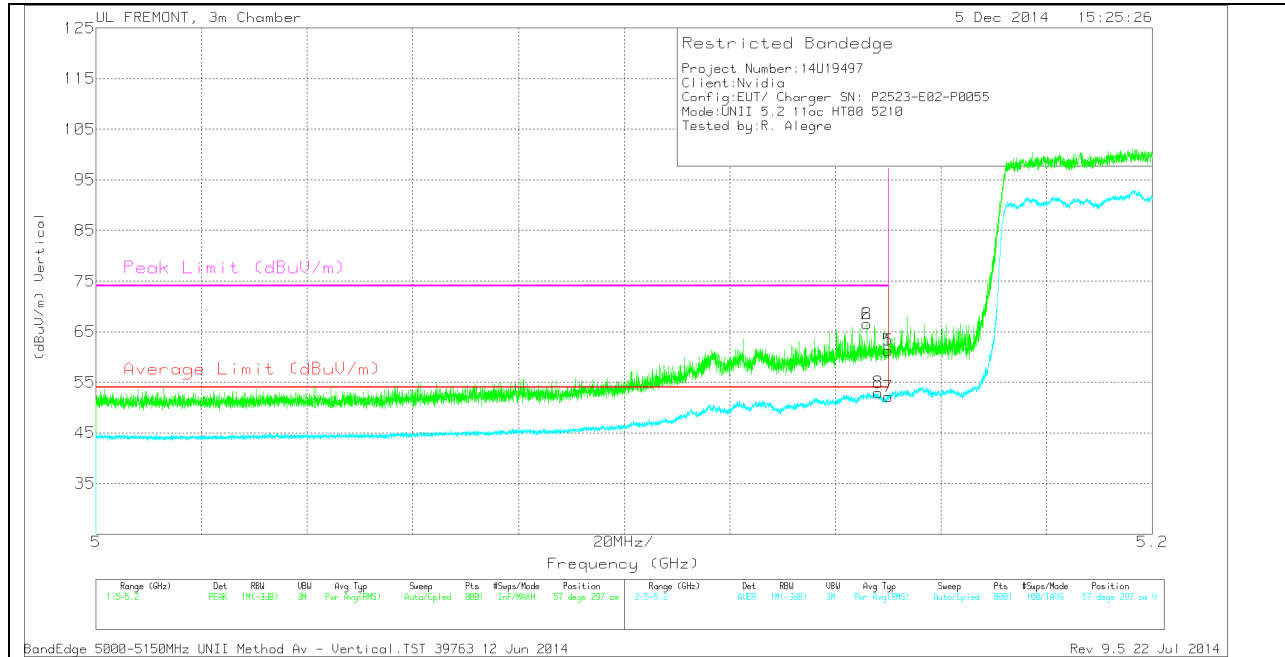
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.37	PK	34.2	-21.6	0	59.97	-	-	74	-14.03	103	369	H
2	* 5.133	51.75	PK	34.2	-21.5	0	64.45	-	-	74	-9.55	103	369	H
3	* 5.15	36.37	RMS	34.2	-21.6	1.85	50.82	54	-3.18	-	-	103	369	H
4	* 5.144	37.53	RMS	34.2	-21.6	1.85	51.98	54	-2.02	-	-	103	369	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/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	5.146	53.92	PK	34.2	-21.6	0	66.52	-	-	74	-7.48	57	297	V
6	5.146	53.92	PK	34.2	-21.6	0	66.52	-	-	74	-7.48	57	297	V
4	5.148	38.51	RMS	34.2	-21.6	1.85	52.96	54	-1.04	-	-	57	297	V
8	5.148	38.51	RMS	34.2	-21.6	1.85	52.96	54	-1.04	-	-	57	297	V
1	5.15	48.68	PK	34.2	-21.6	0	61.28	-	-	74	-12.72	57	297	V
5	5.15	48.68	PK	34.2	-21.6	0	61.28	-	-	74	-12.72	57	297	V
3	5.15	37.68	RMS	34.2	-21.6	1.85	52.13	54	-1.87	-	-	57	297	V
7	5.15	37.68	RMS	34.2	-21.6	1.85	52.13	54	-1.87	-	-	57	297	V

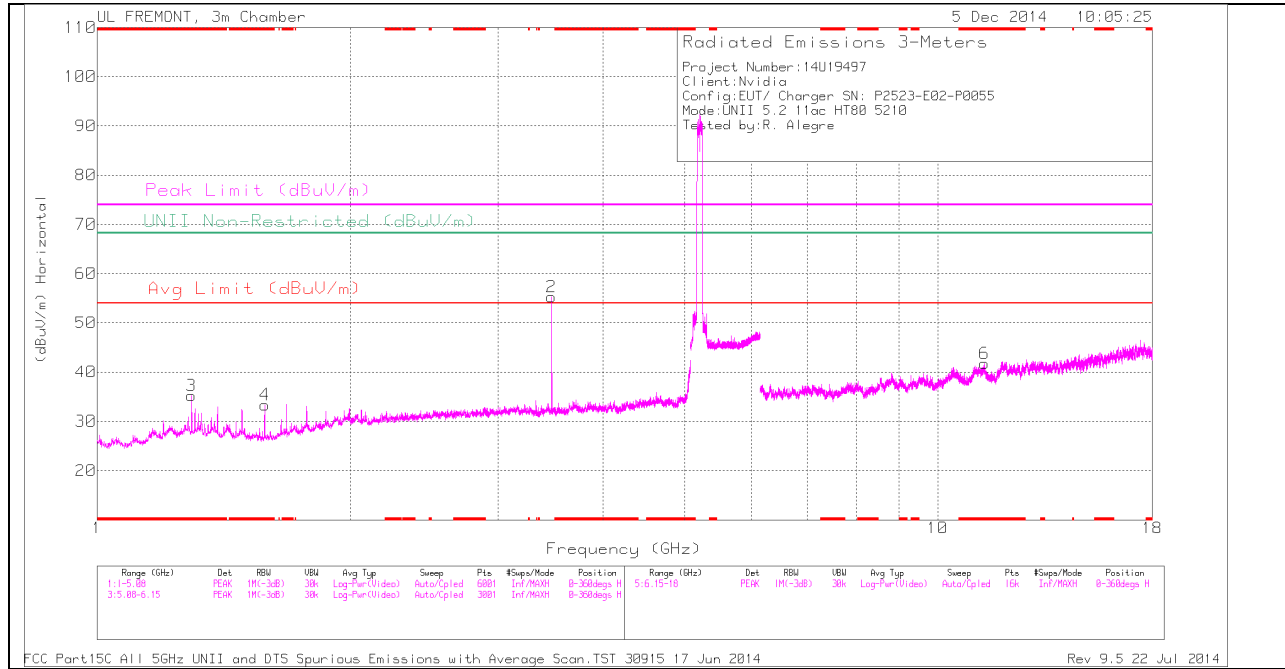
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

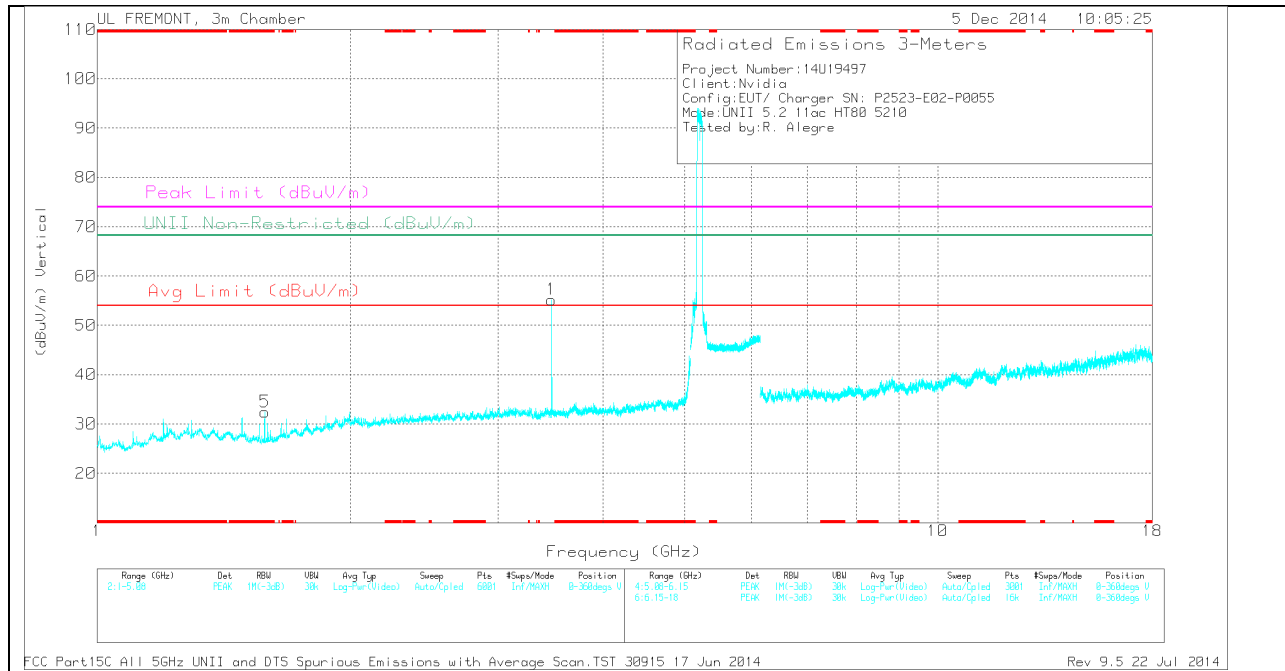
HARMONICS AND SPURIOUS EMISSIONS

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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	* 1.295	38.71	PK	30.2	-33.7	0	35.21	-	-	74	-38.79	-	-	0-360	200	H
4	* 1.583	38.63	PK	28.1	-33.4	0	33.33	-	-	74	-40.67	-	-	0-360	200	H
5	* 1.583	37.76	PK	28.1	-33.4	0	32.46	-	-	74	-41.54	-	-	0-360	200	V
6	* 11.363	29.54	PK	38.1	-25.9	0	41.74	-	-	74	-32.26	-	-	0-360	100	H
2	3.473	53.67	PK	33	-31.4	0	55.27	-	-	-	-	68.2	-12.93	0-360	200	H
1	3.473	53.62	PK	33	-31.4	0	55.22	-	-	-	-	68.2	-12.98	0-360	200	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/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
* 1.295	42.3	PK1	30.2	-33.7	0	38.8	-	-	74	-35.2	-	-	308	200	H
* 1.295	33.05	AD1	30.2	-33.7	1.85	31.4	54	-22.6	-	-	-	-	308	200	H
* 1.583	45.57	PK1	28.1	-33.4	0	40.27	-	-	74	-33.73	-	-	74	135	H
* 1.583	37.5	AD1	28.1	-33.4	1.85	34.05	54	-19.95	-	-	-	-	74	135	H
3.473	55.91	PK1	33	-31.4	0	57.51	-	-	-	-	68.2	-10.69	285	188	H
3.473	50.32	AD1	33	-31.4	1.85	53.77	54	-0.23	-	-	-	-	285	188	H
3.473	55.08	PK1	33	-31.4	0	56.68	-	-	-	-	68.2	-11.52	335	302	V
3.473	49.25	AD1	33	-31.4	1.85	52.7	54	-1.3	-	-	-	-	335	302	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

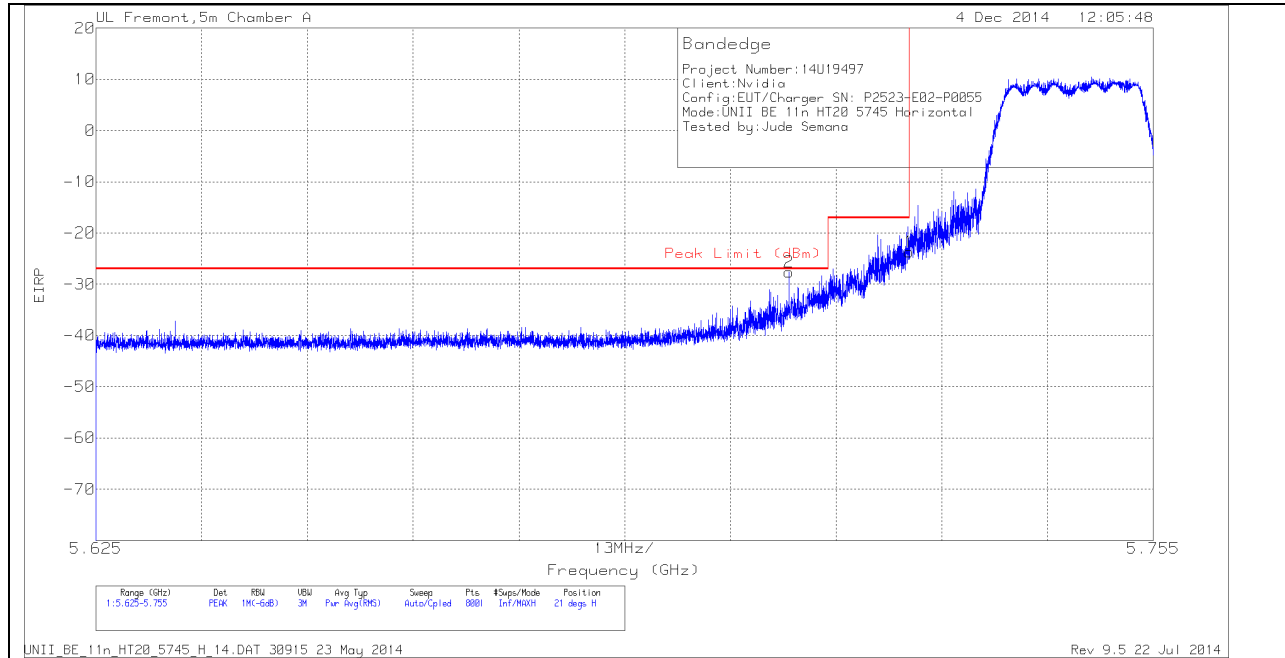
PK - Peak detector

RMS - RMS detection

14.2. 5.8 GHz

**14.2.1. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND
 HARMONICS AND SPURIOUS EMISSIONS**

HORIZONTAL PEAK AND AVERAGE PLOT



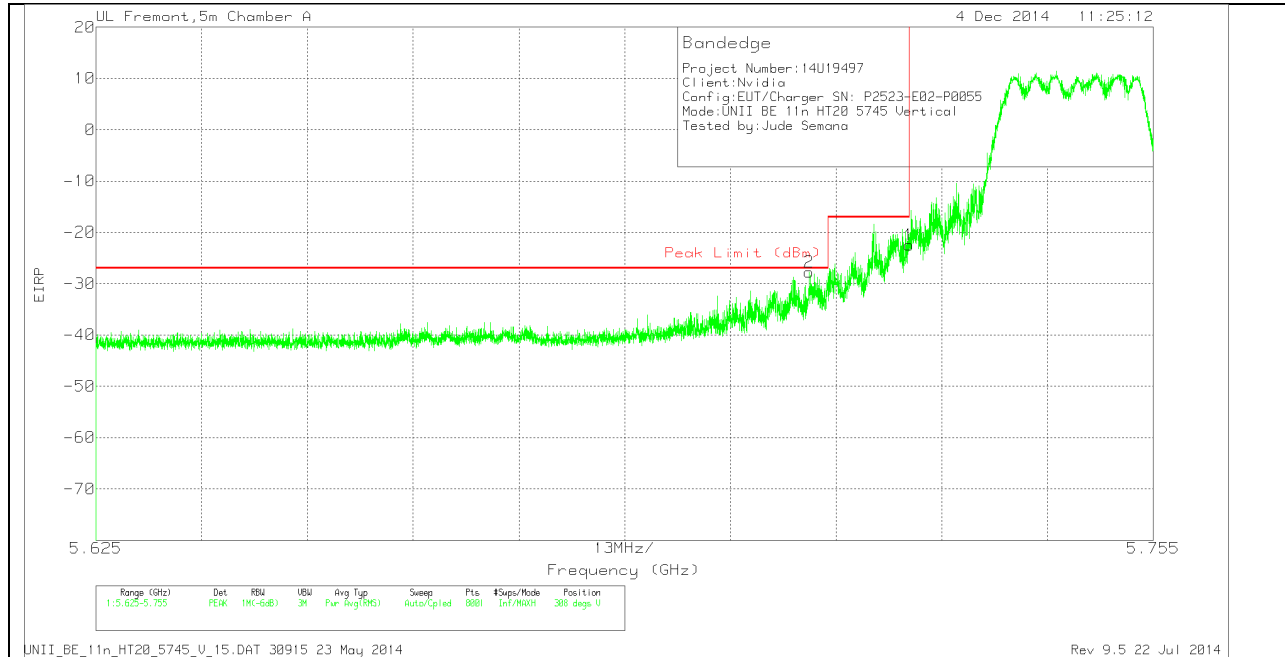
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/ Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.71	-53.82	PK	34.5	-20.1	11.8	0	-27.62	-27	-6.2	21	346	H
1	5.725	-50.03	PK	34.6	-20.1	11.8	0	-23.73	-17	-6.73	21	346	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

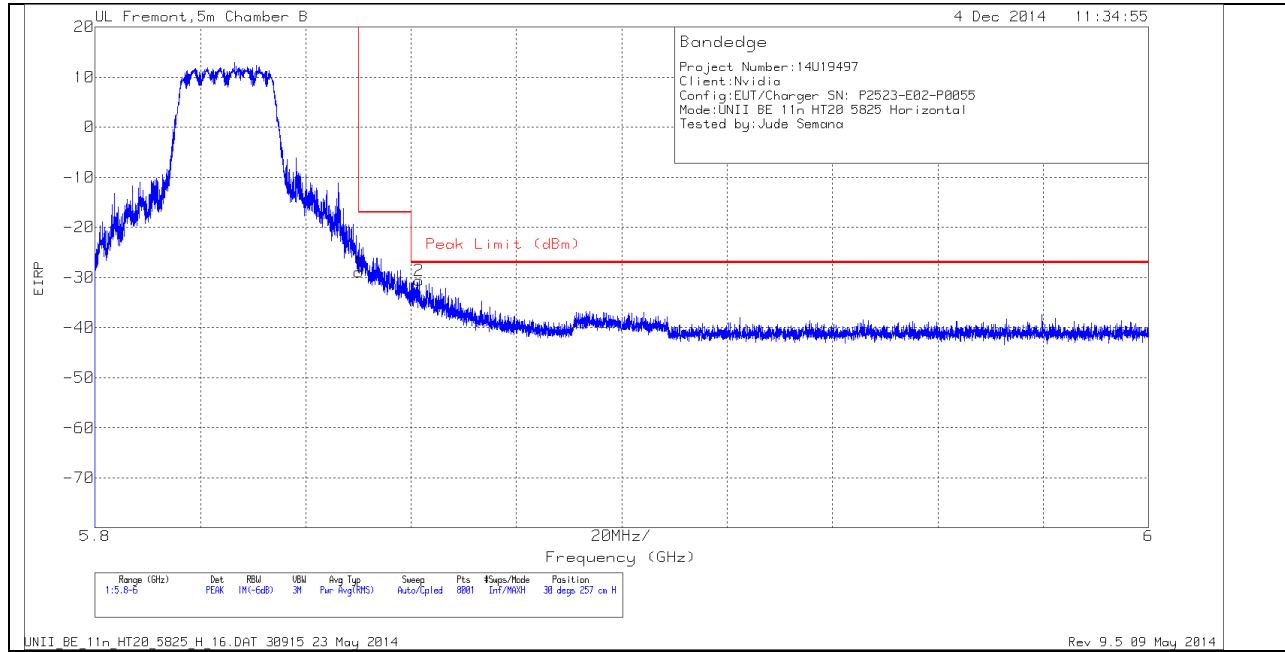
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-53.89	PK	34.5	-20.1	11.8	0	-27.69	-27	-69	308	181	V
1	5.725	-48.71	PK	34.6	-20.1	11.8	0	-22.41	-17	-5.41	308	181	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

AUTHORIZED BANDEGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



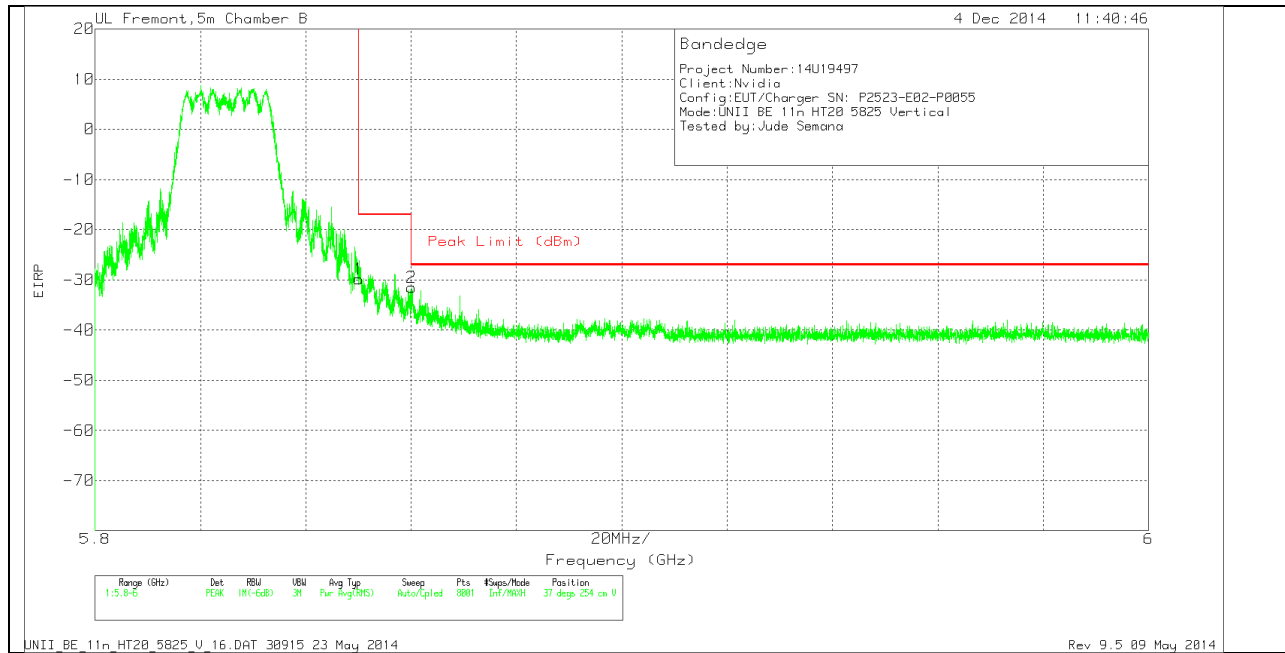
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-55.57	PK	34.8	-19.9	11.8	0	-28.87	-17	-11.87	30	257	H
2	5.861	-57.31	PK	34.8	-19.9	11.8	0	-30.61	-27	-3.61	30	257	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



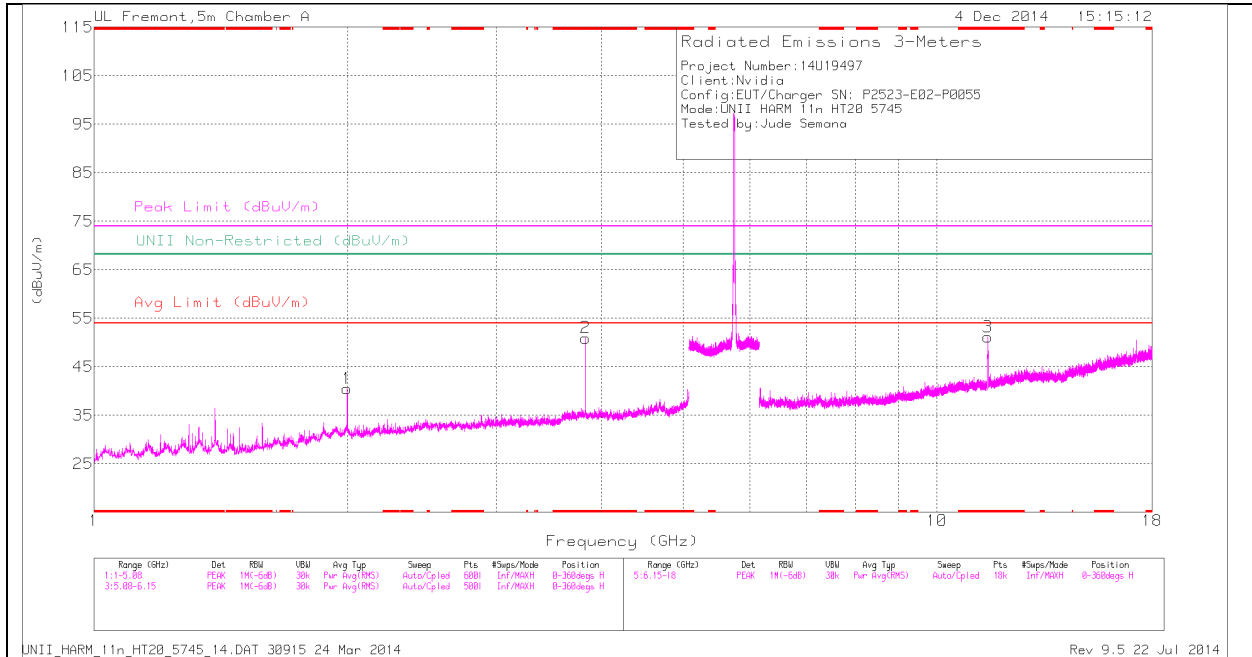
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-56.52	PK	34.8	-19.9	11.8	0	-29.82	-17	-12.82	37	254	V
2	5.86	-58.19	PK	34.8	-19.9	11.8	0	-31.49	-27	-4.49	37	254	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

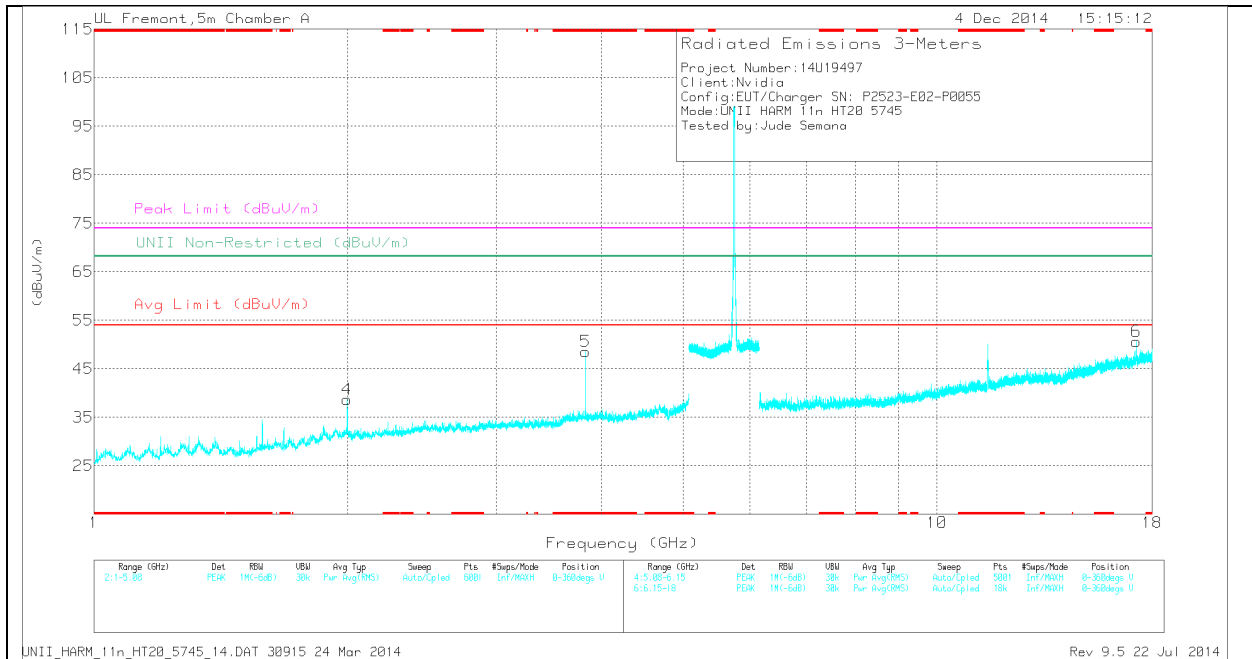
PK - Peak detector

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
2	* 3.83	48.56	PK	33.7	-31.3	0	50.96	-	-	74	-23.04	-	-	0-360	101	H
5	* 3.83	46.13	PK	33.7	-31.3	0	48.53	-	-	74	-25.47	-	-	0-360	200	V
3	* 11.491	36.01	PK	38	-22.9	0	51.11	-	-	74	-22.89	-	-	0-360	199	H
1	1.997	42.34	PK	31.3	-33.1	0	40.54	-	-	-	-	68.2	-27.66	0-360	101	H
4	1.997	40.51	PK	31.3	-33.1	0	38.71	-	-	-	-	68.2	-29.49	0-360	200	V
6	17.237	28.96	PK	41.5	-19.8	0	50.66	-	-	-	-	68.2	-17.54	0-360	199	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

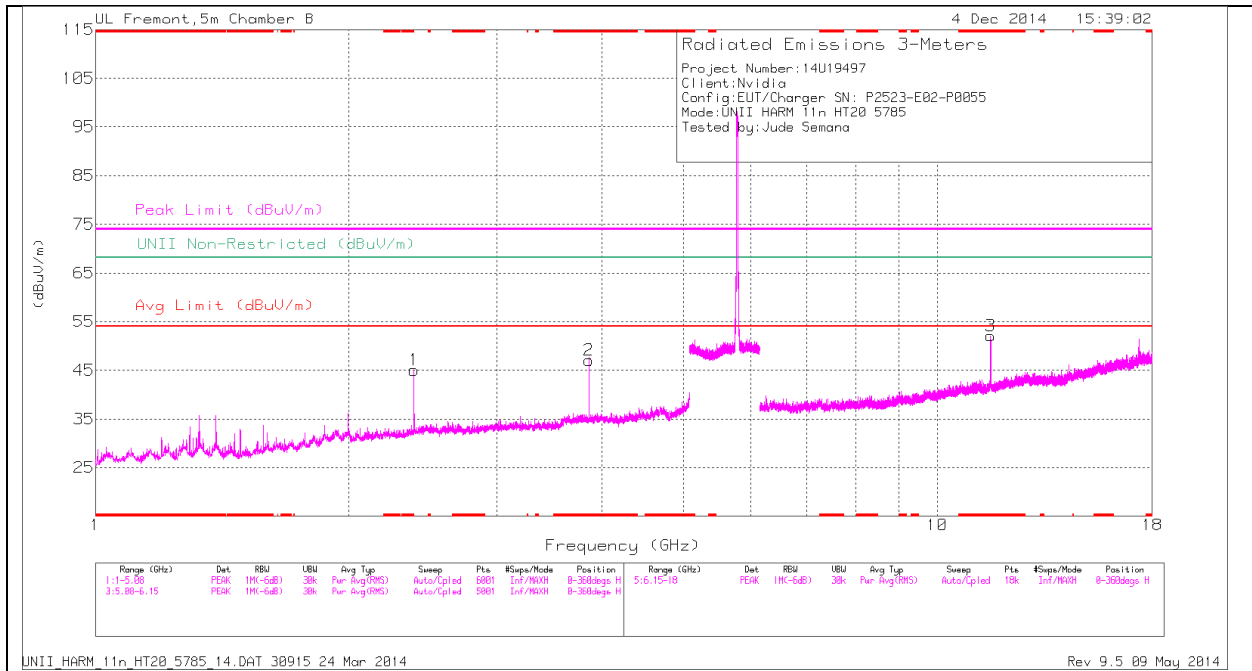
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.83	53.54	PK1	33.7	-31.3	0	55.94	-	-	74	-18.06	-	-	259	166	H
* 3.83	44.54	AD1	33.7	-31.3	.31	47.25	54	-6.75	-	-	-	-	259	166	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

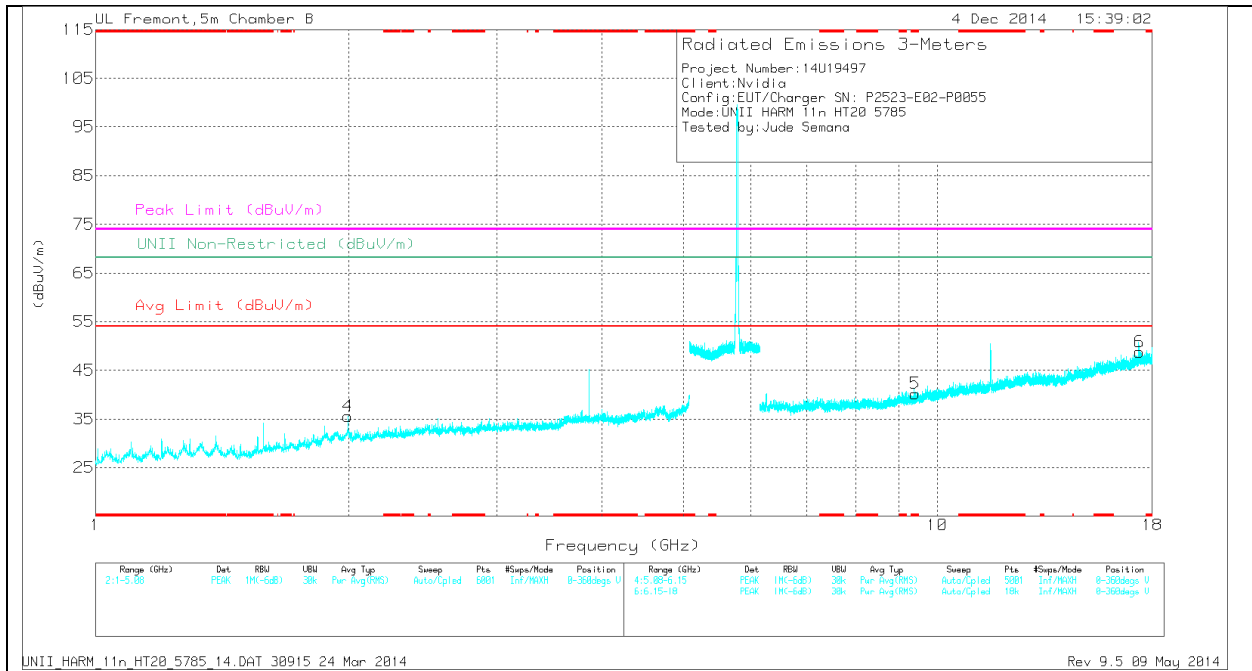
RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (dB/m)	Amp/Cbl/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
2	* 3.857	44.86	PK	33.7	-31.5	0	47.06	-	-	74	-26.94	-	-	0-360	101	H
3	* 11.568	36.29	PK	38.1	-22.3	0	52.09	-	-	74	-21.91	-	-	0-360	199	H
5	* 9.409	28.69	PK	36.5	-25	0	40.19	-	-	74	-33.81	-	-	0-360	199	V
4	1.996	37.35	PK	31.3	-33.1	0	35.55	-	-	-	-	68.2	-32.65	0-360	199	V
1	2.391	45.63	PK	32.1	-32.7	0	45.03	-	-	-	-	68.2	-23.17	0-360	101	H
6	17.388	26.76	PK	41.7	-19.7	0	48.76	-	-	-	-	68.2	-19.44	0-360	199	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

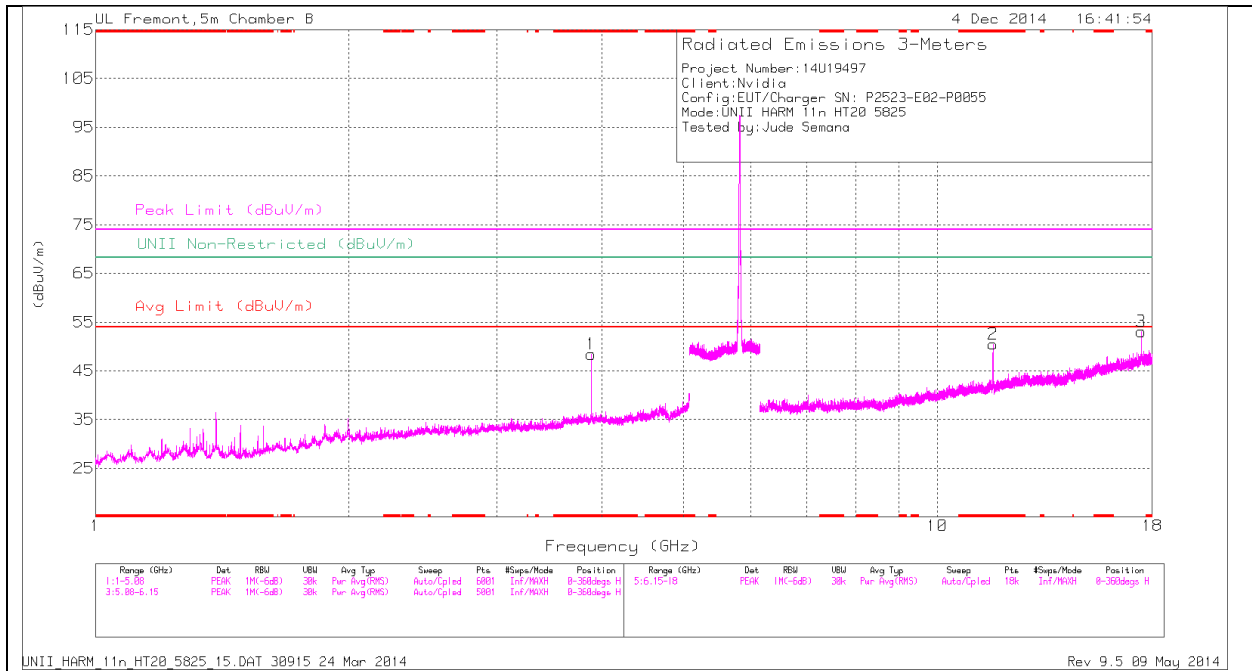
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.83	53.54	PK1	33.7	-31.3	0	55.94	-	-	74	-18.06	-	-	259	166	H
* 3.83	44.54	AD1	33.7	-31.3	0.31	47.25	54	6.75	-	-	-	-	259	166	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

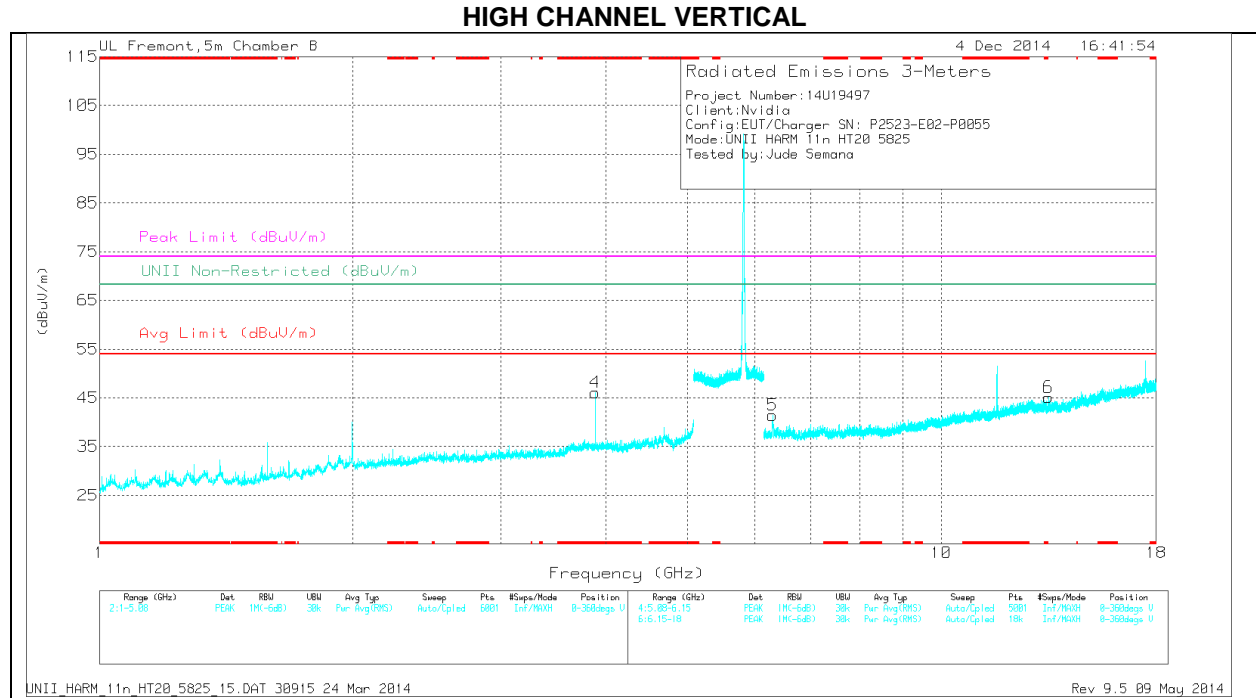
PK - Peak detector

RMS - RMS detection

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
1	* 3.883	46.13	PK	33.8	-31.5	0	48.43	-	-	74	-25.57	-	-	0-360	101	H
4	* 3.883	43.78	PK	33.8	-31.5	0	46.08	-	-	74	-27.92	-	-	0-360	200	V
2	* 11.651	35.49	PK	38.1	-23.1	0	50.49	-	-	74	-23.51	-	-	0-360	200	H
5	6.303	34.94	PK	35.5	-29	0	41.44	-	-	-	-	68.2	-26.76	0-360	200	V
6	13.401	28.1	PK	39.2	-22.2	0	45.1	-	-	-	-	68.2	-23.1	0-360	101	V
3	17.477	31.24	PK	41.7	-19.9	0	53.04	-	-	-	-	68.2	-15.16	0-360	200	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
* 11.652	46.86	PK1	38.2	-23.1	0	61.96	-	-	74	-12.04	-	-	0	347	H
* 11.654	34.47	AD1	38.2	-23.1	0.31	49.88	54	-4.12	-	-	-	-	0	347	H
* 11.648	43.96	PK1	38.1	-23	0	59.06	-	-	74	-14.94	-	-	25	206	V
* 11.651	32.19	AD1	38.1	-23.1	0.31	47.50	54	-6.50	-	-	-	-	25	206	V
17.479	28.78	AD1	41.7	-19.9	0.31	50.89	-	-	-	-	-	-	112	210	H
17.48	41.48	PK1	41.7	-19.9	0	63.28	-	-	-	-	68.2	-4.92	112	210	H

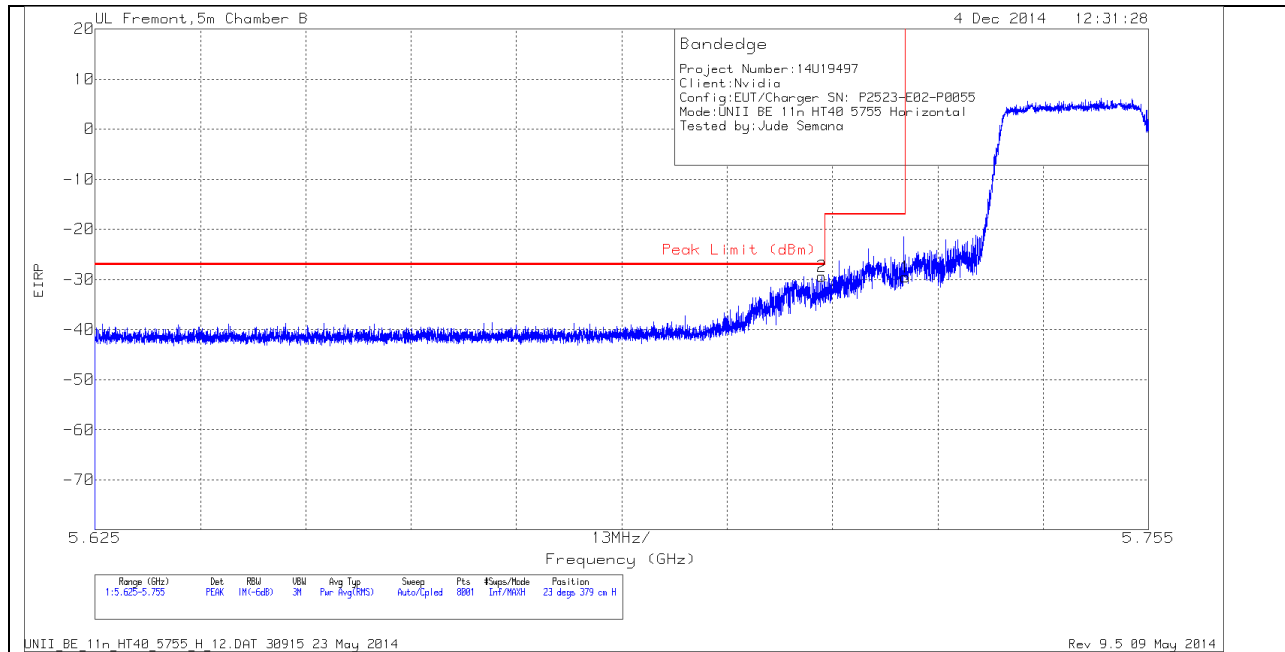
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

14.2.2. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS

HORIZONTAL PEAK AND AVERAGE PLOT



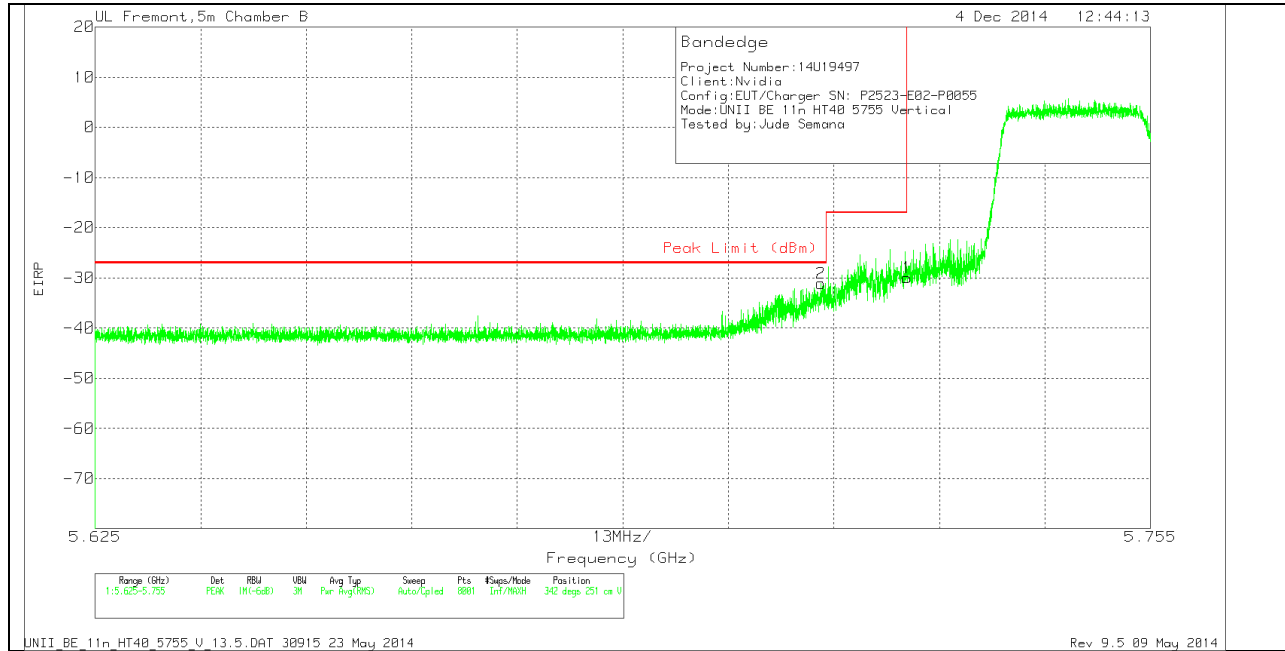
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-55.59	PK	34.5	-20.1	11.8	0	-29.39	-27	-2.39	23	379	H
1	5.725	-55.83	PK	34.6	-20.1	11.8	0	-29.53	-17	-12.53	23	379	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

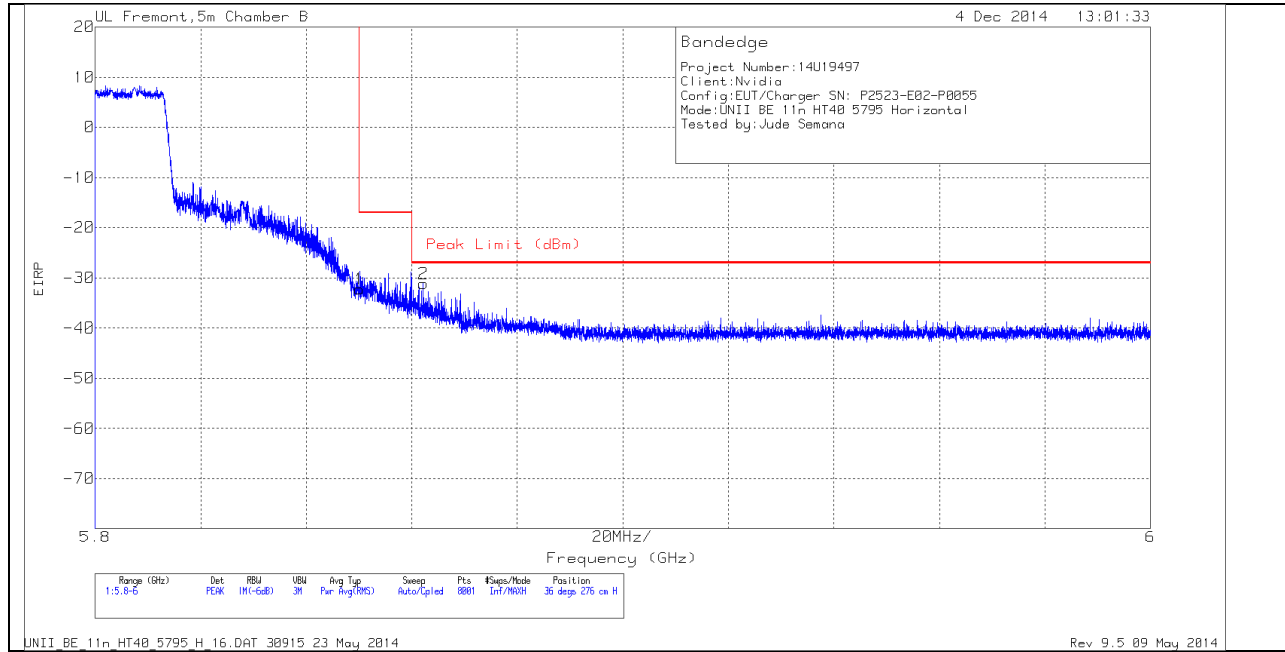
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.714	-57.3	PK	34.5	-20.1	11.8	0	-31.1	-27	-4.1	342	251	V
1	5.725	-56.28	PK	34.6	-20.1	11.8	0	-29.98	-17	-12.98	342	251	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

AUTHORIZED BANDEGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



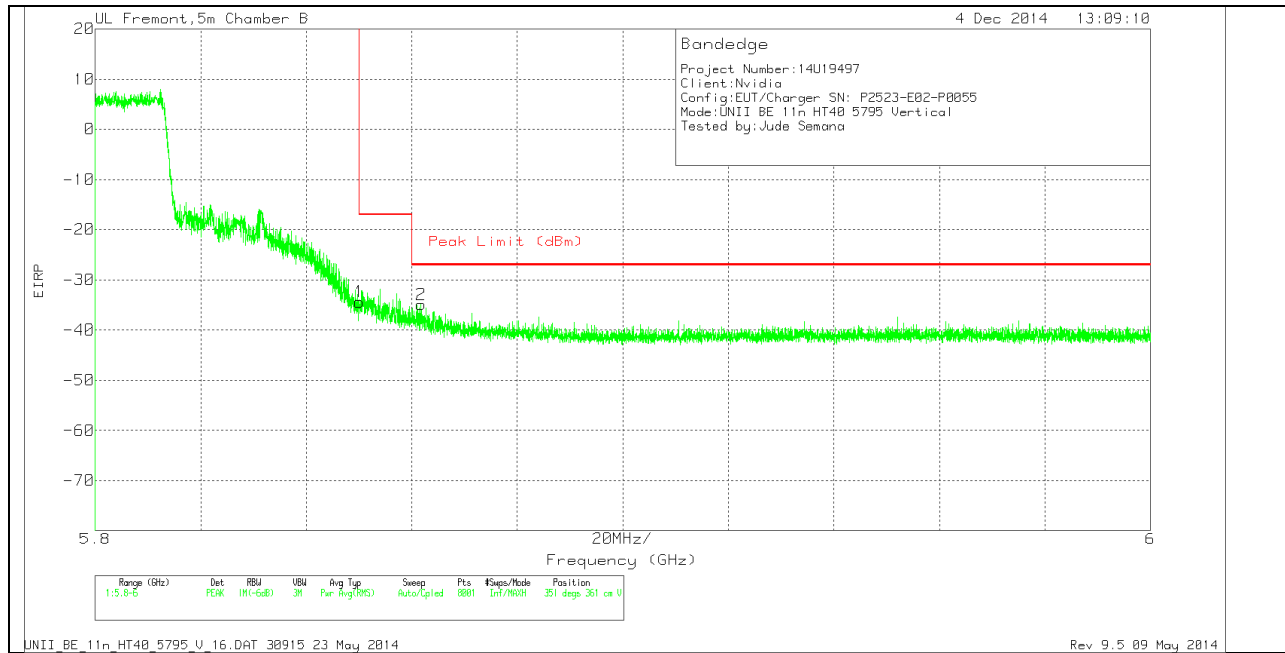
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-58.96	PK	34.8	-19.9	11.8	0	-32.26	-17	-15.26	36	276	H
2	5.862	-57.82	PK	34.8	-19.9	11.8	0	-31.12	-27	-4.12	36	276	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT

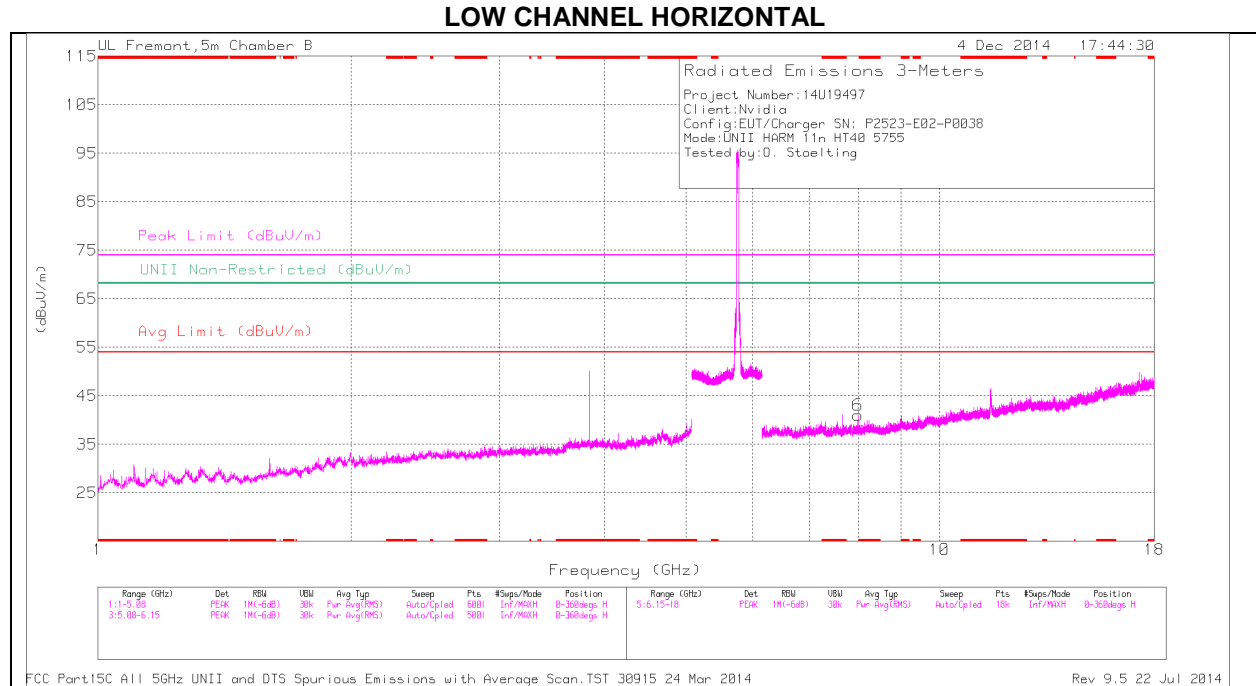


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.08	PK	34.8	-19.9	11.8	0	-34.38	-17	-17.38	351	361	V
2	5.862	-61.58	PK	34.8	-19.9	11.8	0	-34.88	-27	-7.88	351	361	V

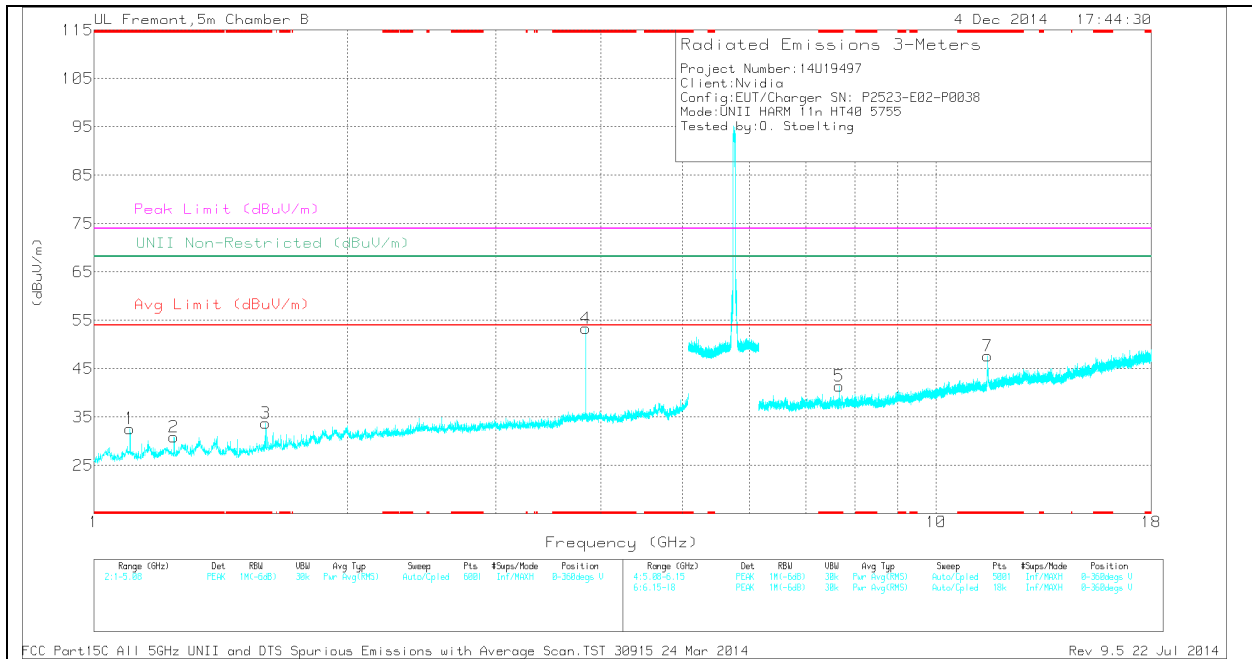
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector



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 (dB/m)	Amp/Cbl/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
1	* 1.103	39.65	PK	27.4	-34.4	0	32.65	-	-	74	-41.35	-	-	0-360	200	V
2	* 1.245	36.87	PK	28.5	-34.5	0	30.87	-	-	74	-43.13	-	-	0-360	101	V
3	* 1.6	38.44	PK	28.5	-33.2	0	33.74	-	-	74	-40.26	-	-	0-360	200	V
4	* 3.837	50.99	PK	33.7	-31.3	0	53.39	-	-	74	-20.61	-	-	0-360	200	V
5	* 7.673	33.39	PK	35.7	-27.7	0	41.39	-	-	74	-32.61	-	-	0-360	101	V
7	* 11.508	32.25	PK	38.1	-22.7	0	47.65	-	-	74	-26.35	-	-	0-360	101	V
6	8	32.43	PK	35.7	-27.1	0	41.03	-	-	-	-	68.2	-27.17	0-360	199	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RADIATED EMISSIONS

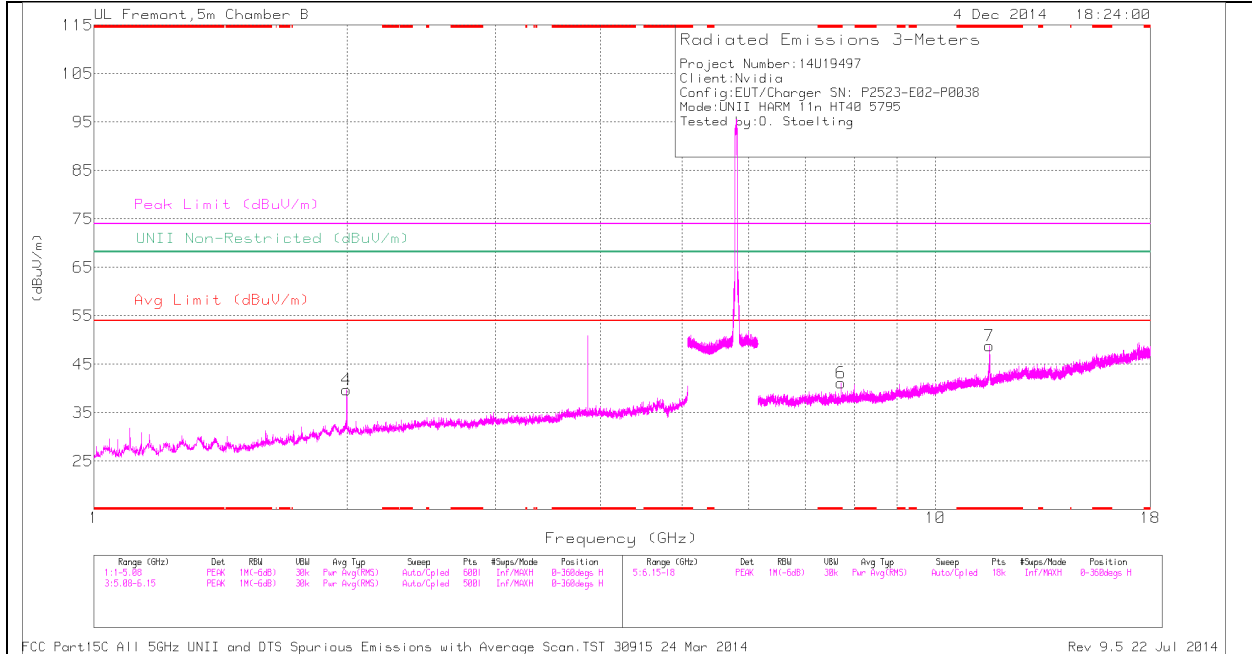
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.103	46.34	PK1	27.4	-34.4	0	39.34	-	-	74	-34.66	-	-	4	192	V
* 1.103	37.31	AD1	27.4	-34.4	1.07	31.38	54	-22.62	-	-	-	-	4	192	V
* 1.599	42.61	PK1	28.5	-33.2	0	37.91	-	-	74	-36.09	-	-	5	223	V
* 1.6	30.65	AD1	28.5	-33.2	1.07	27.02	54	-26.98	-	-	-	-	5	223	V
* 3.837	53.14	PK1	33.7	-31.3	0	55.54	-	-	74	-18.46	-	-	357	173	V
* 3.837	47.19	AD1	33.7	-31.3	1.07	50.66	54	-3.34	-	-	-	-	357	173	V
* 11.508	37.69	PK1	38.1	-22.7	0	53.09	-	-	74	-20.91	-	-	165	139	V
* 11.509	25.6	AD1	38.1	-22.7	1.07	42.07	54	-11.93	-	-	-	-	165	139	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

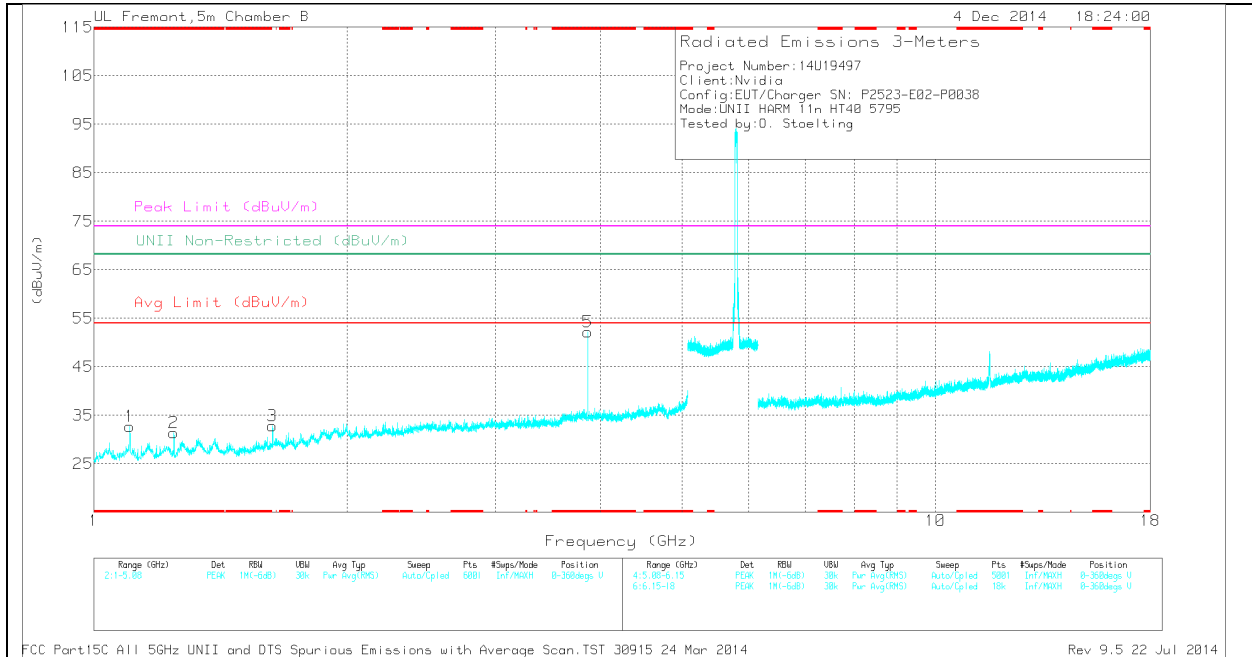
RMS - RMS detection

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 (dB/m)	Amp/Cbl/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
1	* 1.103	39.72	PK	27.4	-34.4	0	32.72	-	-	74	-41.28	-	-	0-360	101	V
2	* 1.245	37.44	PK	28.5	-34.5	0	31.44	-	-	74	-42.56	-	-	0-360	101	V
5	* 3.863	50.07	PK	33.7	-31.6	0	52.17	-	-	74	-21.83	-	-	0-360	200	V
6	* 7.727	32.54	PK	35.7	-27.1	0	41.14	-	-	74	-32.86	-	-	0-360	101	H
7	* 11.591	33.47	PK	38.1	-22.7	0	48.87	-	-	74	-25.13	-	-	0-360	199	H
3	1.63	36.97	PK	28.7	-32.8	0	32.87	-	-	-	-	68.2	-35.33	0-360	200	V
4	1.997	41.56	PK	31.3	-33.1	0	39.76	-	-	-	-	68.2	-28.44	0-360	101	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/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
* 1.103	45.67	PK1	27.4	-34.4	0	38.67	-	-	74	-35.33	-	-	335	164	V
* 1.103	36.84	AD1	27.4	-34.4	1.07	30.91	54	-23.09	-	-	-	-	335	164	V
* 3.863	52.2	PK1	33.7	-31.6	0	54.3	-	-	74	-19.7	-	-	360	196	V
* 3.863	46.99	AD1	33.7	-31.6	1.07	50.16	54	-3.84	-	-	-	-	360	196	V
* 11.591	41.32	PK1	38.1	-22.7	0	56.72	-	-	74	-17.28	-	-	192	245	H
* 11.591	27.72	AD1	38.1	-22.7	1.07	44.19	54	-9.81	-	-	-	-	192	245	H
1.997	50.8	PK1	31.3	-33.1	0	49	-	-	-	-	68.2	-19.2	220	159	H
1.997	31.66	AD1	31.3	-33.1	1.07	30.93	-	-	-	-	-	-	220	159	H

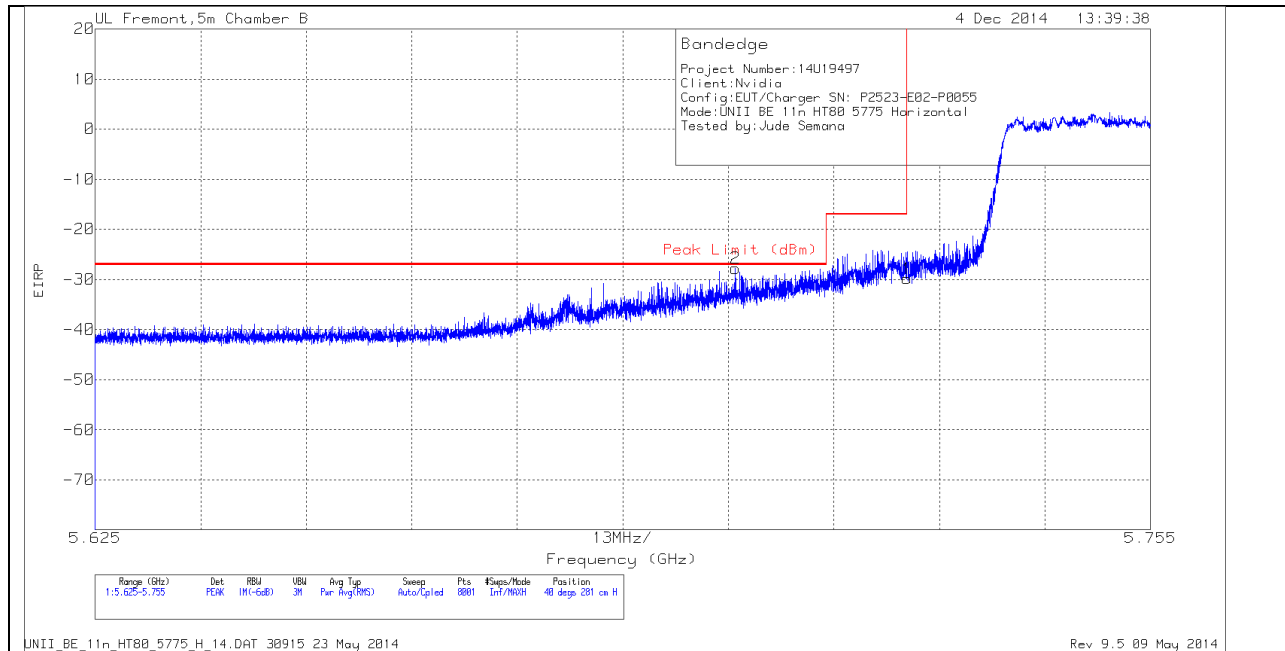
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

14.2.3. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS

HORIZONTAL PEAK AND AVERAGE PLOT



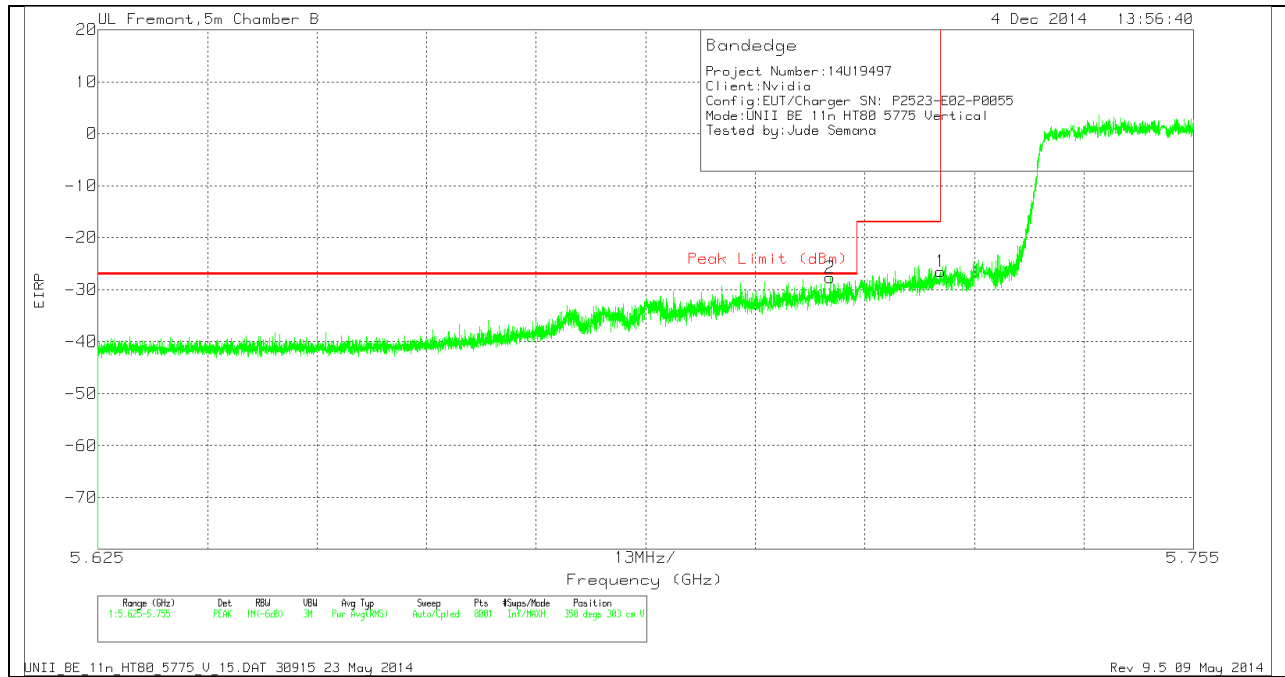
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AFT345 (dB/m)	Amp/Cb/ Fitr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.704	-53.98	PK	34.5	-20.1	11.8	0	-27.78	-27	-.78	40	281	H
1	5.725	-56.15	PK	34.6	-20.1	11.8	0	-29.85	-17	-12.85	40	281	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

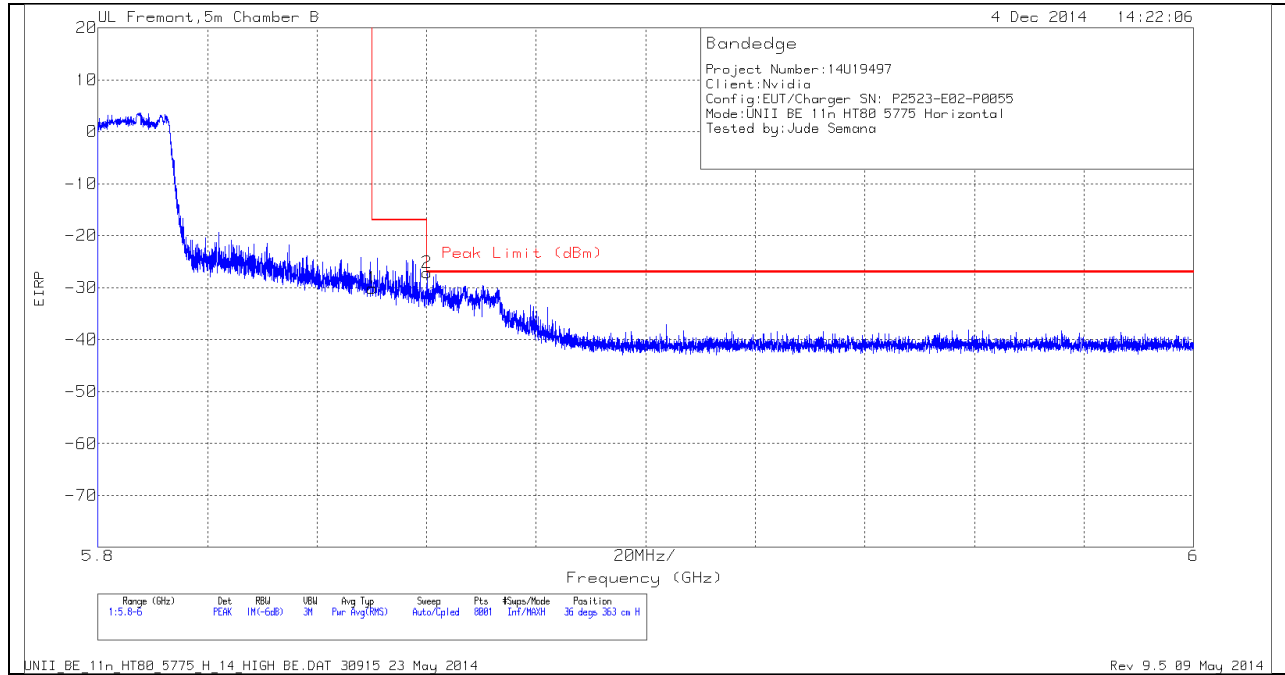
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Fi tr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.712	-53.9	PK	34.5	-20.1	11.8	0	-27.7	-27	-7	350	303	V
1	5.725	-52.83	PK	34.6	-20.1	11.8	0	-26.53	-17	-9.53	350	303	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



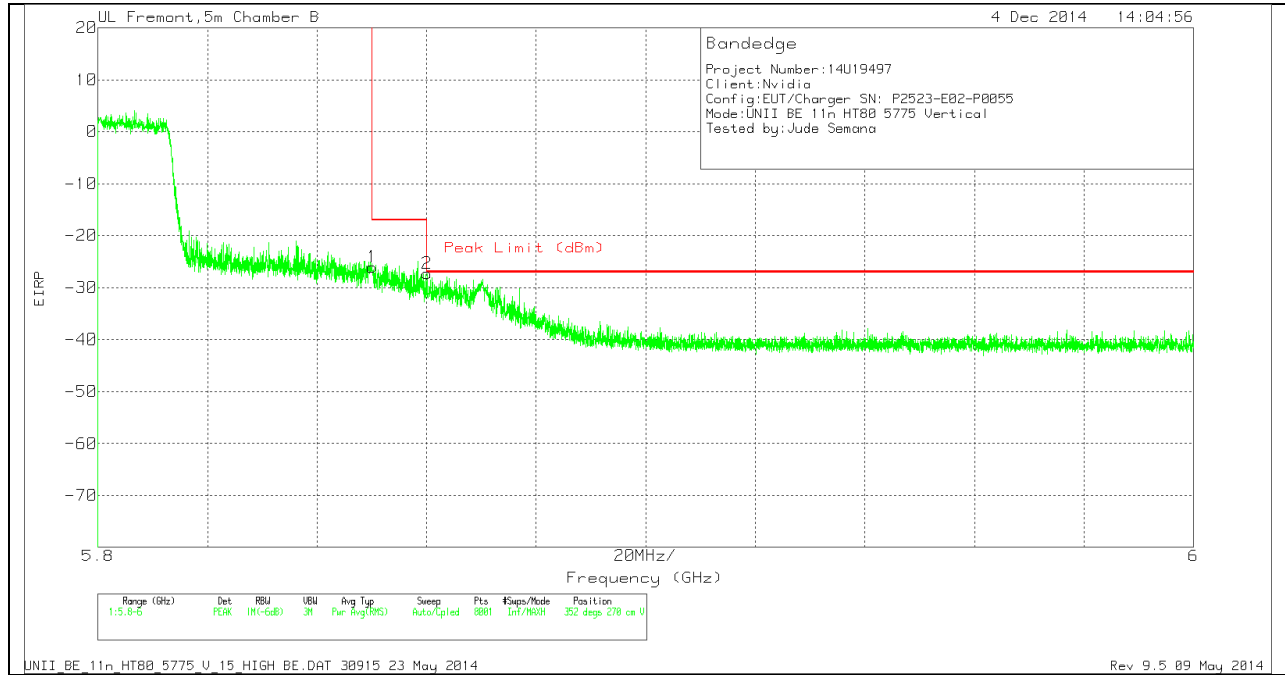
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-56.79	PK	34.8	-19.9	11.8	0	-30.09	-17	-13.09	36	363	H
2	5.86	-53.84	PK	34.8	-19.9	11.8	0	-27.14	-27	-1.14	36	363	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



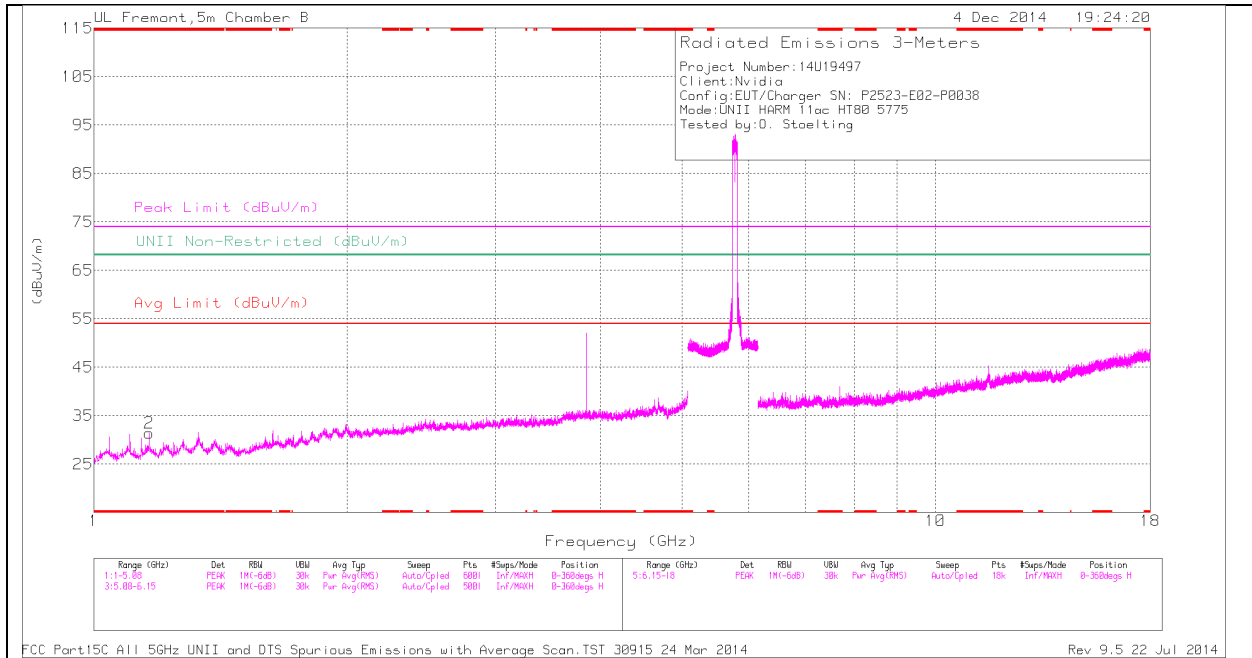
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-52.76	PK	34.8	-19.9	11.8	0	-26.06	-17	-9.06	352	270	V
2	5.86	-53.98	PK	34.8	-19.9	11.8	0	-27.28	-27	-.28	352	270	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

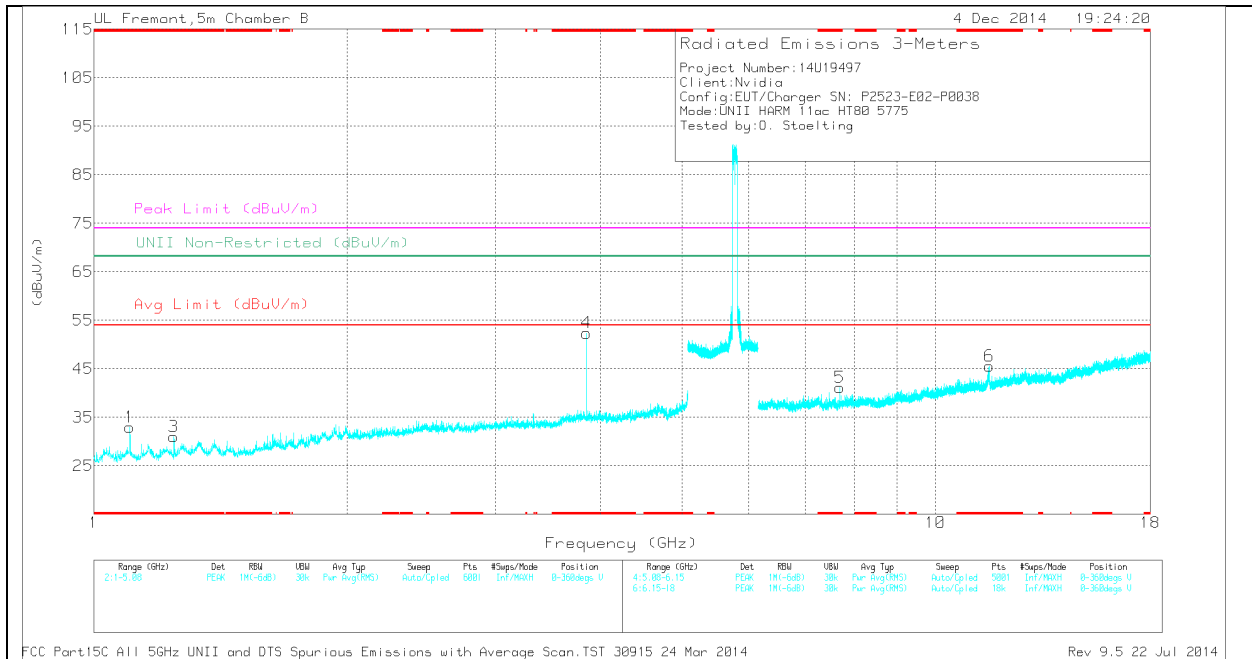
PK - Peak detector

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	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (dB/m)	Amp/Cbl/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
2	* 1.163	38.06	PK	27.9	-34.5	0	31.46	-	-	74	-42.54	-	-	0-360	199	H
1	* 1.103	39.92	PK	27.4	-34.4	0	32.92	-	-	74	-41.08	-	-	0-360	101	V
3	* 1.245	37.04	PK	28.5	-34.5	0	31.04	-	-	74	-42.96	-	-	0-360	101	V
4	* 3.85	50.09	PK	33.7	-31.4	0	52.39	-	-	74	-21.61	-	-	0-360	199	V
5	* 7.7	32.92	PK	35.7	-27.5	0	41.12	-	-	74	-32.88	-	-	0-360	101	V
6	* 11.591	30.19	PK	38.1	-22.7	0	45.59	-	-	74	-28.41	-	-	0-360	101	V

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

RMS - RMS detection

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T34S (dB/m)	Amp/Cbl/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
* 1.103	45.92	PK1	27.4	-34.4	0	38.92	-	-	74	-35.08	-	-	349	180	V
* 1.103	37.36	AD1	27.4	-34.4	1.81	32.17	54	-21.83	-	-	-	-	349	180	V
* 3.85	52.44	PK1	33.7	-31.4	0	54.74	-	-	74	-19.26	-	-	358	225	V
* 3.85	48.41	AD1	33.7	-31.4	1.81	52.52	54	-1.48	-	-	-	-	358	225	V
* 11.591	36.54	PK1	38.1	-22.7	0	51.94	-	-	74	-22.06	-	-	62	110	V
* 11.591	24.62	AD1	38.1	-22.7	1.81	41.83	54	-12.17	-	-	-	-	62	110	V

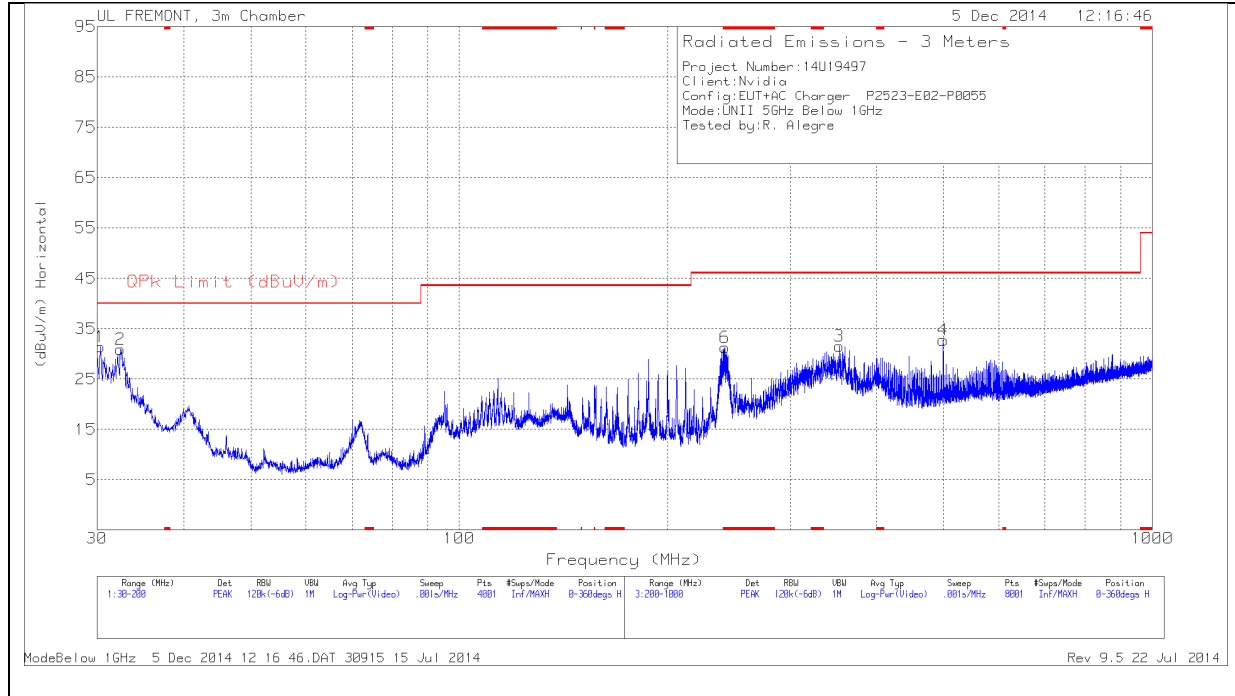
* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

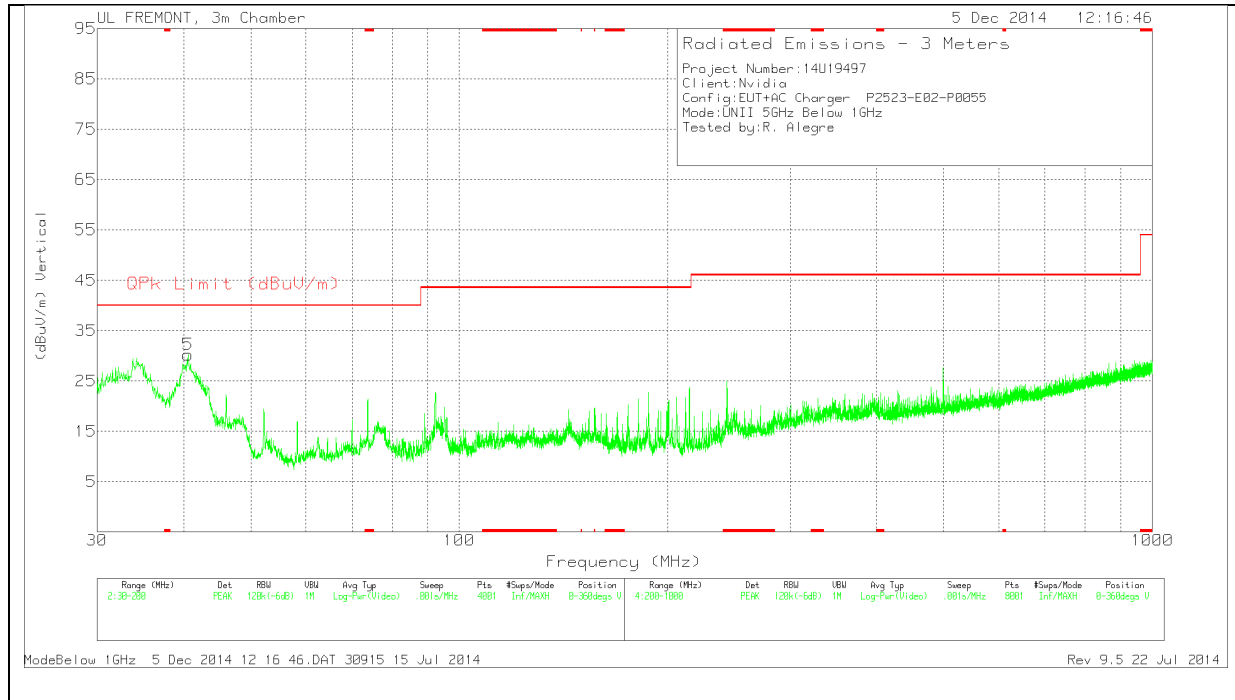
RMS - RMS detection

15. 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	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 241.8	46.05	PK	11.6	-26.4	31.25	46.02	-14.77	0-360	101	H
1	30.34	39.11	PK	21.1	-28.8	31.41	40	-8.59	0-360	101	H
2	32.4225	40.08	PK	19.6	-28.8	30.88	40	-9.12	0-360	101	H
5	40.5825	45.53	PK	13.3	-28.6	30.23	40	-9.77	0-360	101	V
3	353.2	42.8	PK	14.5	-25.8	31.5	46.02	-14.52	0-360	101	H
4	499.2	41.22	PK	17.4	-25.9	32.72	46.02	-13.3	0-360	200	H

* - indicates frequency in CFR15.205/IC 8.10 Restricted Band

PK - Peak detector

16. 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 C63.10-2013

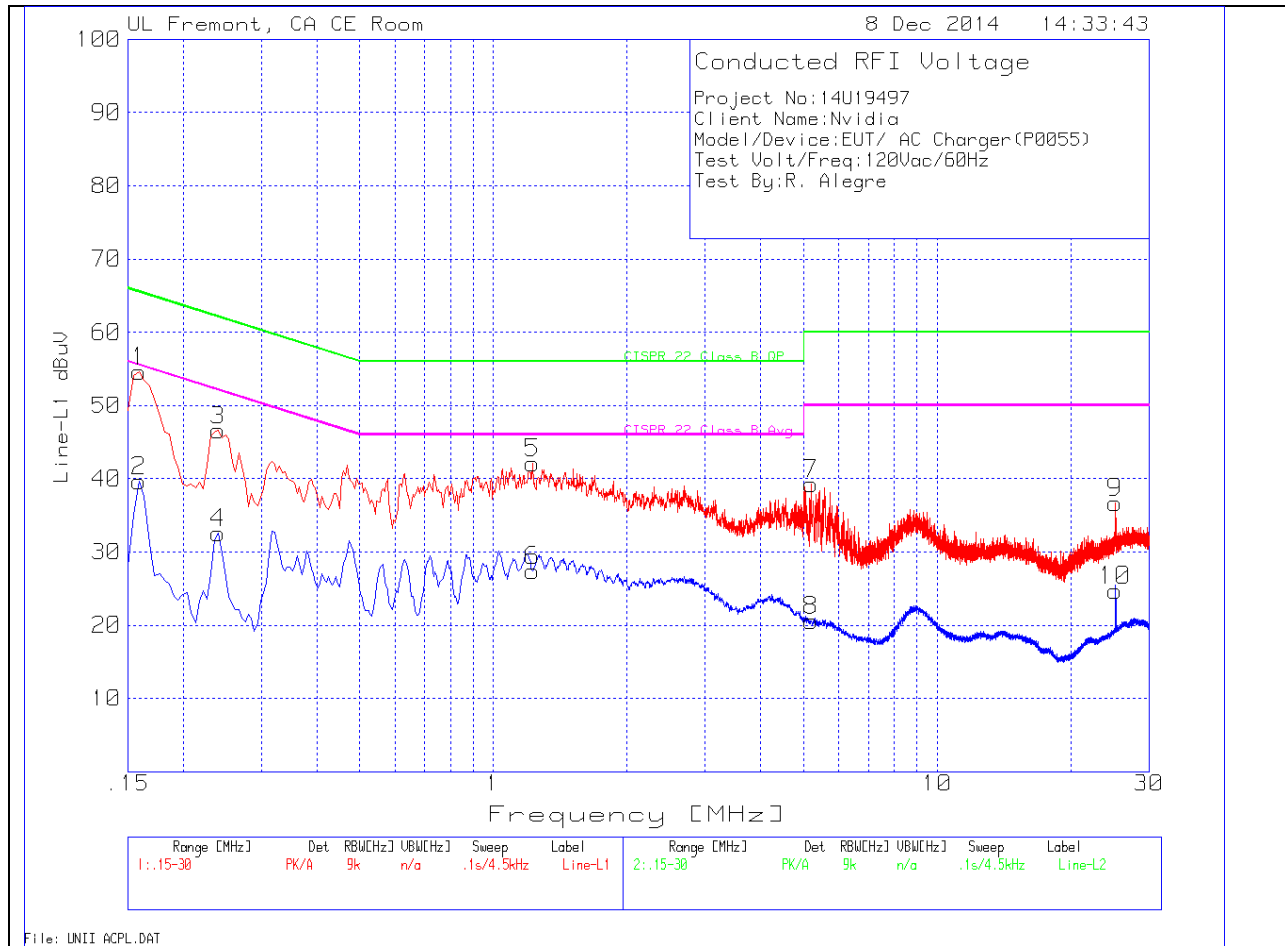
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT



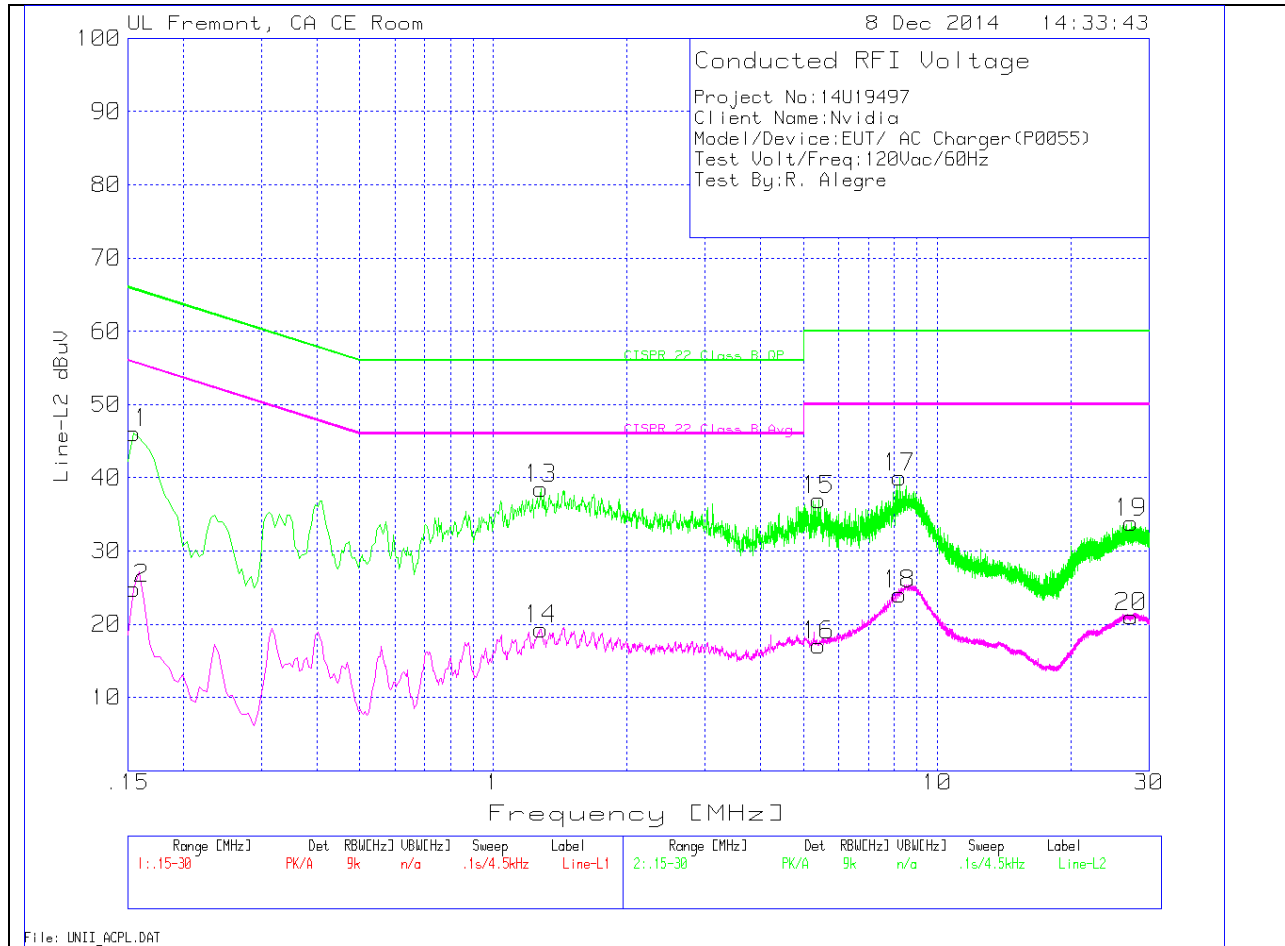
LINE 1 RESULTS

Line-L1 .15 - 30MHz

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	.159	53.34	PK	1.3	0	54.64	65.5	-10.86	-	-
2	.159	38.39	Av	1.3	0	39.69	-	-	55.5	-15.81
3	.24	45.86	PK	.7	0	46.56	62.1	-15.54	-	-
4	.24	31.91	Av	.7	0	32.61	-	-	52.1	-19.49
5	1.2255	41.78	PK	.2	.1	42.08	56	-13.92	-	-
6	1.2255	27.06	Av	.2	.1	27.36	-	-	46	-18.64
7	5.199	38.92	PK	.2	.1	39.22	60	-20.78	-	-
8	5.199	20.32	Av	.2	.1	20.62	-	-	50	-29.38
9	25.206	36.09	PK	.3	.3	36.69	60	-23.31	-	-
10	25.206	24.16	Av	.3	.3	24.76	-	-	50	-25.24

LINE 2 PLOT



LINE 2 RESULTS

Line-L2 .15 - 30MHz

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)
11	.1545	44.67	PK	1.4	0	46.07	65.8	-19.73	-	-
12	.1545	23.47	Av	1.4	0	24.87	-	-	55.8	-30.93
13	1.2795	38.17	PK	.2	.1	38.47	56	-17.53	-	-
14	1.2795	18.96	Av	.2	.1	19.26	-	-	46	-26.74
15	5.406	36.64	PK	.2	.1	36.94	60	-23.06	-	-
16	5.406	16.83	Av	.2	.1	17.13	-	-	50	-32.87
17	8.241	39.74	PK	.2	.1	40.04	60	-19.96	-	-
18	8.241	23.79	Av	.2	.1	24.09	-	-	50	-25.91
19	27.3525	33.29	PK	.3	.3	33.89	60	-26.11	-	-
20	27.3525	20.43	Av	.3	.3	21.03	-	-	50	-28.97

PK - Peak detector

Av - average detection