

**4Tx 1 STREAM CDD MODE**

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
Low	5755	4.01	9.95	30.00	26.05
High	5795	4.01	9.95	30.00	26.05

<b>Duty Cycle CF (dB)</b>	0.15	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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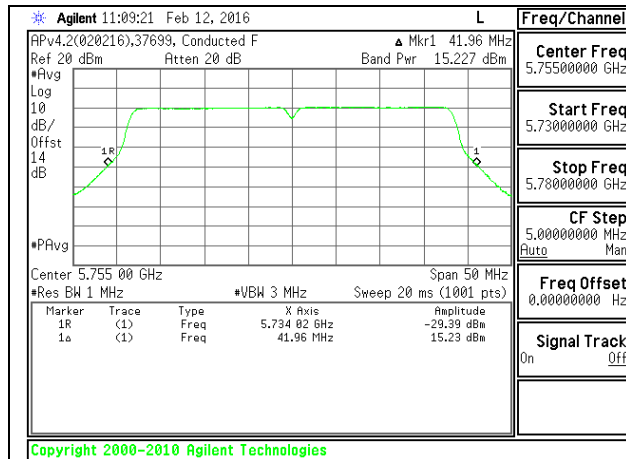
**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Chain 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	15.23	15.53	14.94	14.76	21.29	30.00	-8.71
High	5795	19.89	19.86	18.68	19.12	25.59	30.00	-4.41

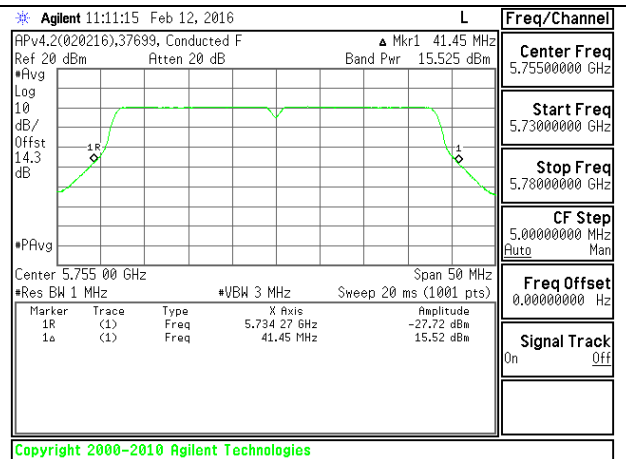
**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Chain 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-2.39	-2.00	-2.62	-2.82	3.72	26.05	-22.33
High	5795	2.38	2.48	1.06	1.59	8.09	26.05	-17.96

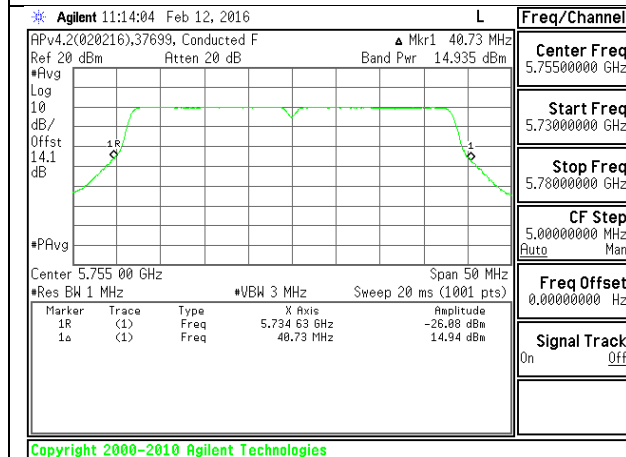
### LOW CHANNEL - POWER



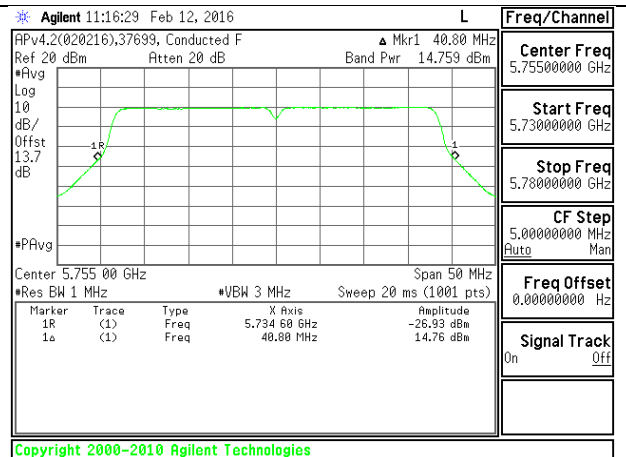
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

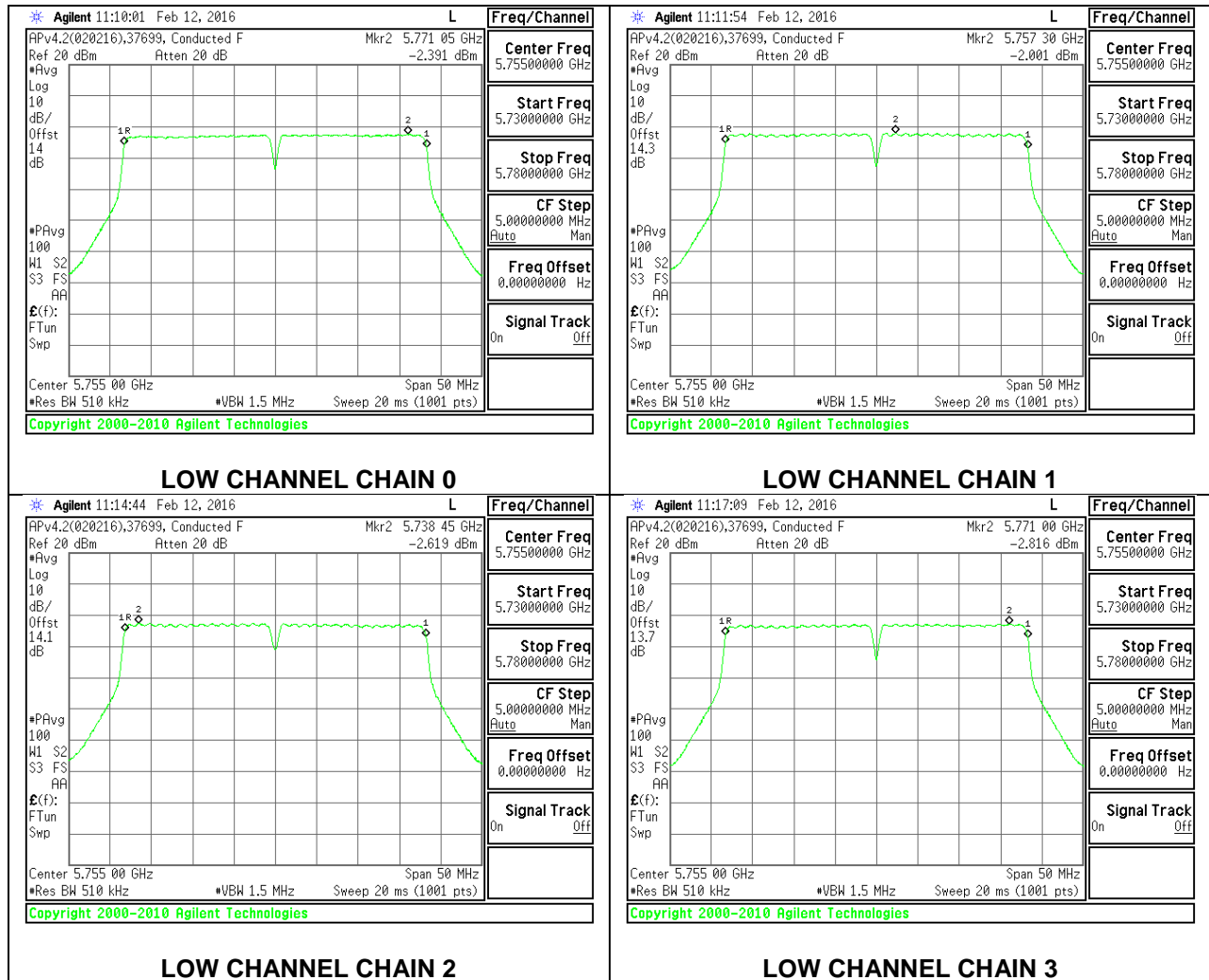


LOW CHANNEL CHAIN 2

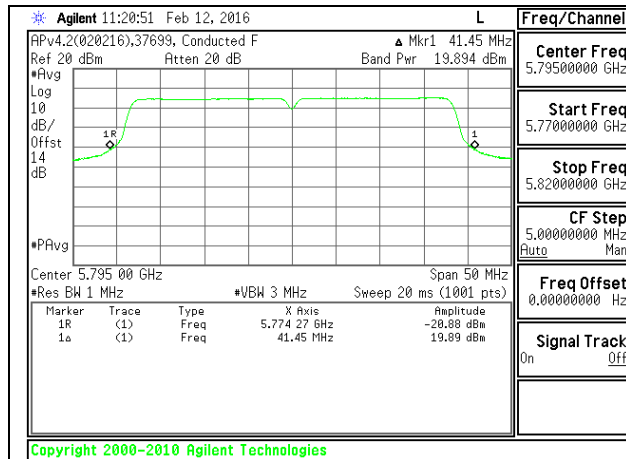


LOW CHANNEL CHAIN 3

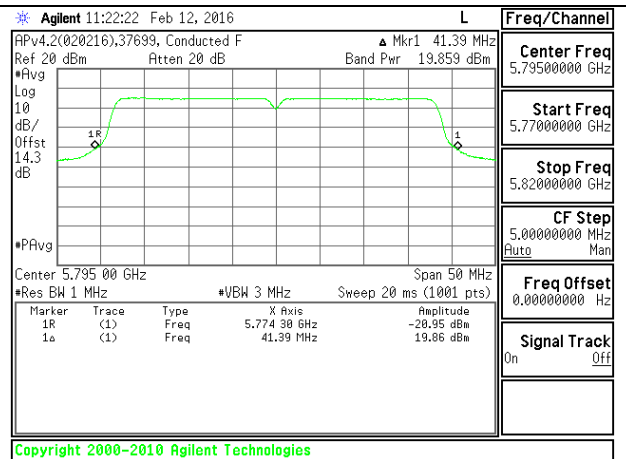
### LOW CHANNEL - PSD



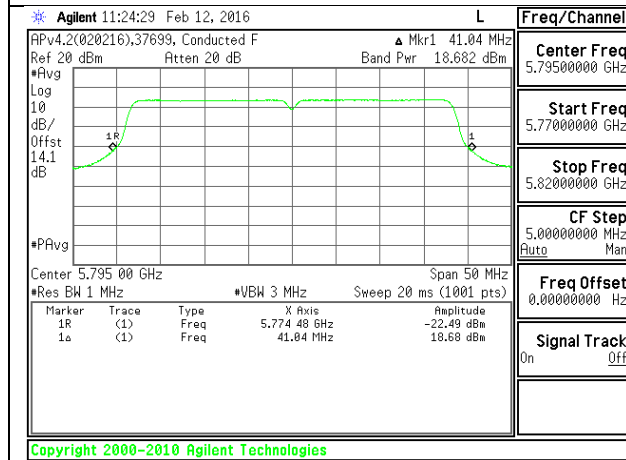
### HIGH CHANNEL - POWER



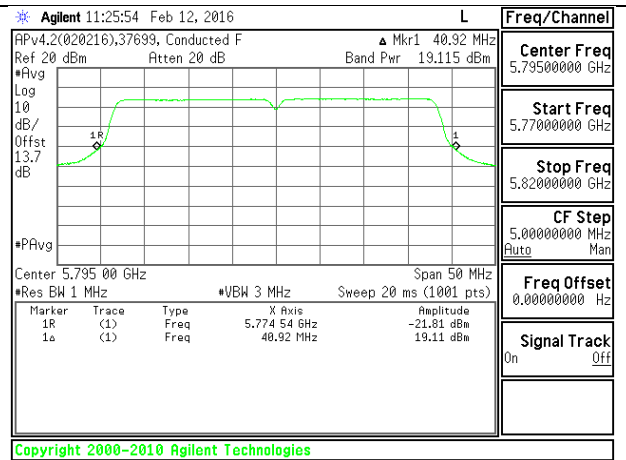
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

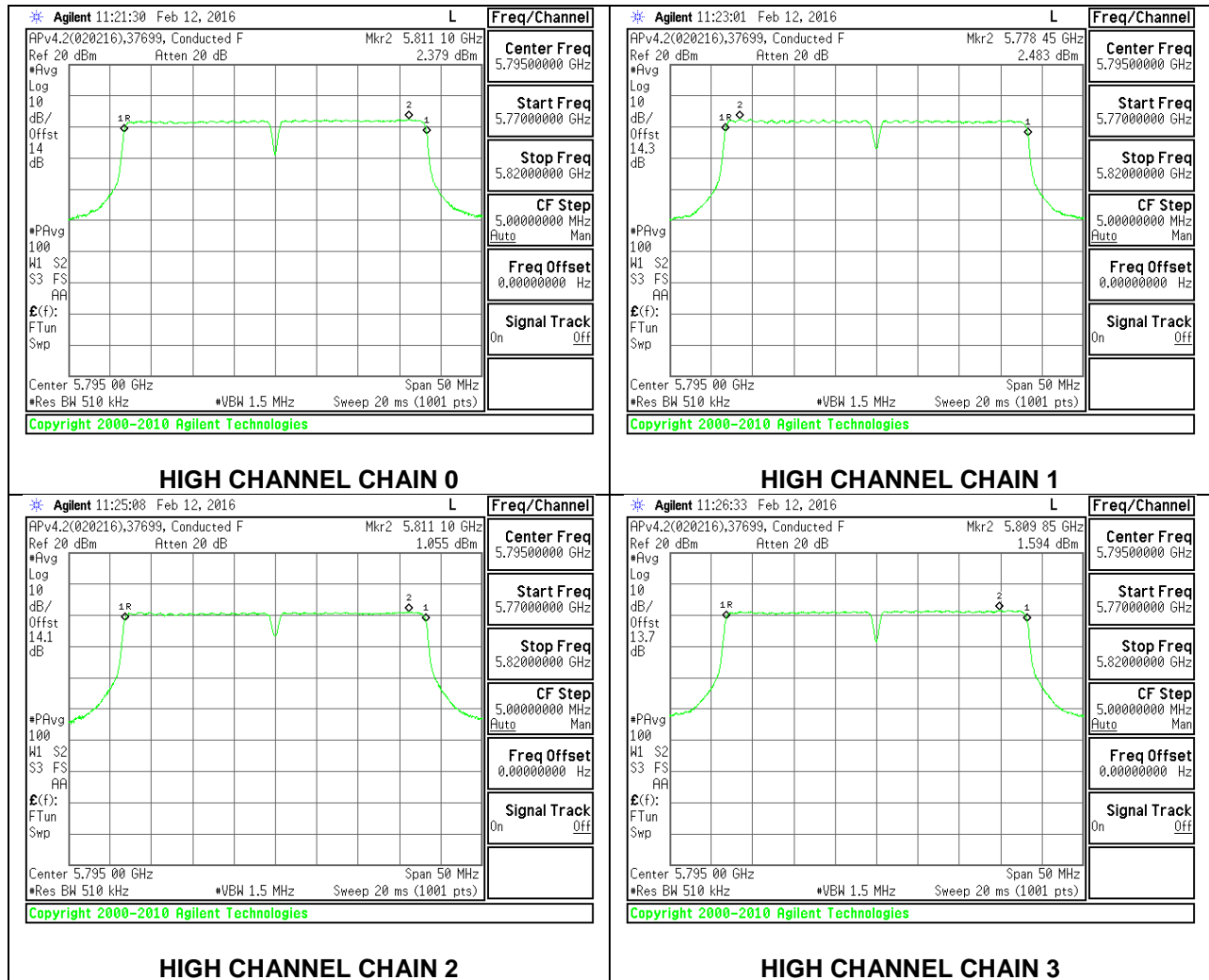


HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

### HIGH CHANNEL - PSD



**4Tx 3 STREAM BF MODE (low channel only)**

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
Low	5755	6.07	6.07	29.93	29.93
High	5795	6.07	6.07	29.93	29.93

<b>Duty Cycle CF (dB)</b>	0.82	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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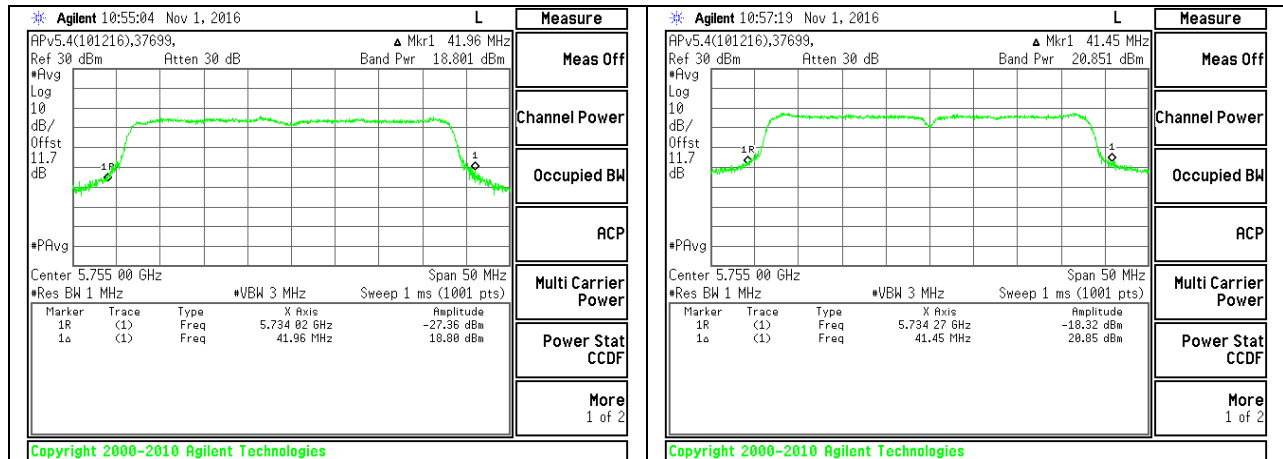
**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Chain 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	18.80	20.85	23.14	22.13	28.35	29.93	-1.58
High	5795	19.73	18.20	19.39	18.65	25.88	29.93	-4.05

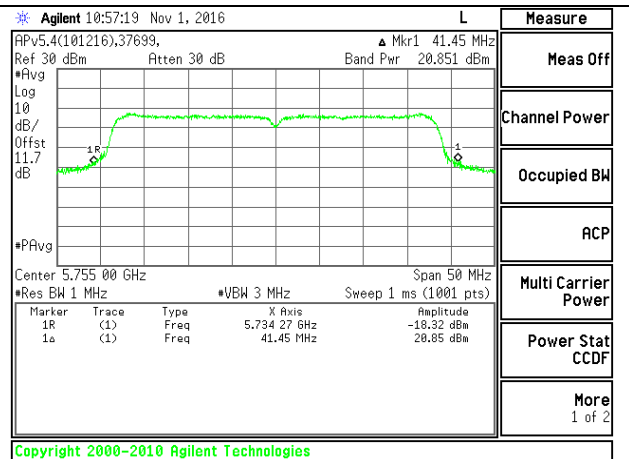
**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Chain 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	2.50	5.45	7.01	5.56	12.25	29.93	-17.68
High	5795	3.95	2.60	2.26	1.35	9.48	29.93	-20.45

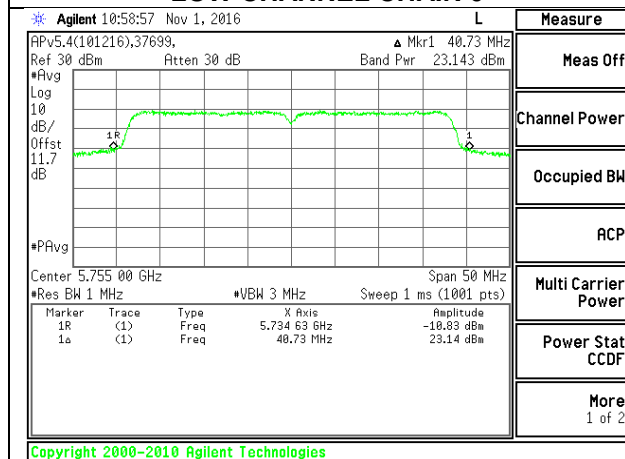
### LOW CHANNEL - POWER



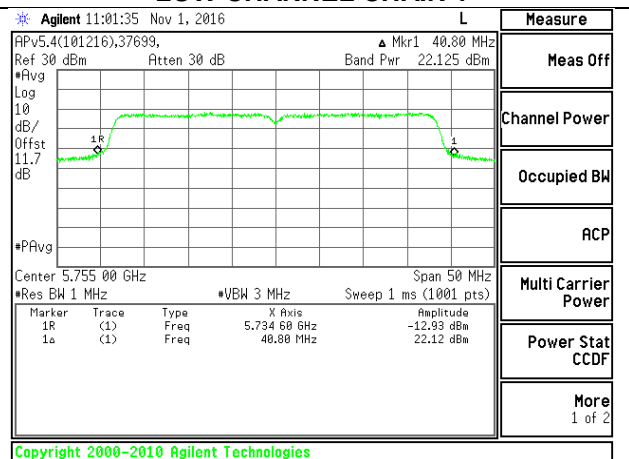
**LOW CHANNEL CHAIN 0**



**LOW CHANNEL CHAIN 1**

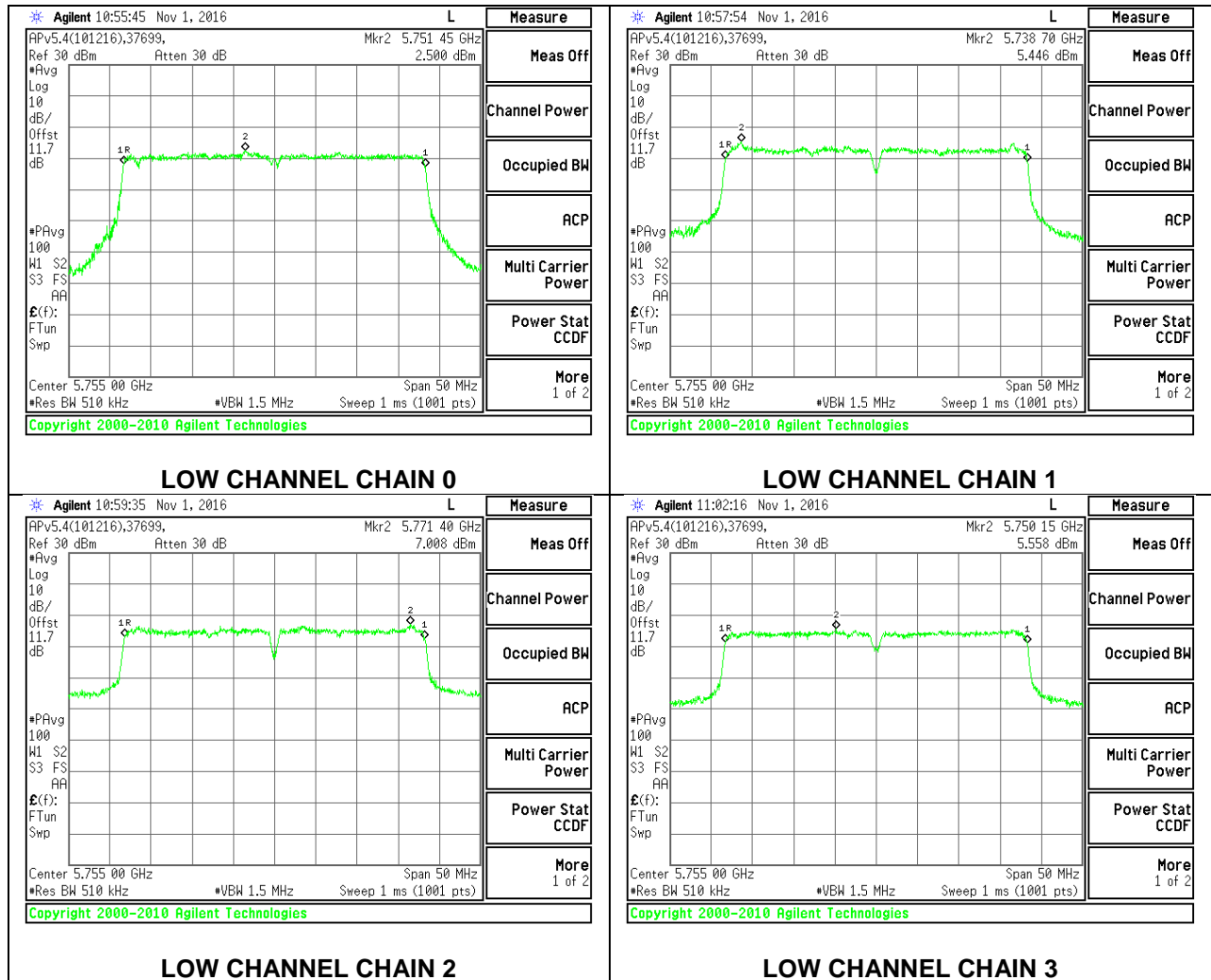


**LOW CHANNEL CHAIN 2**



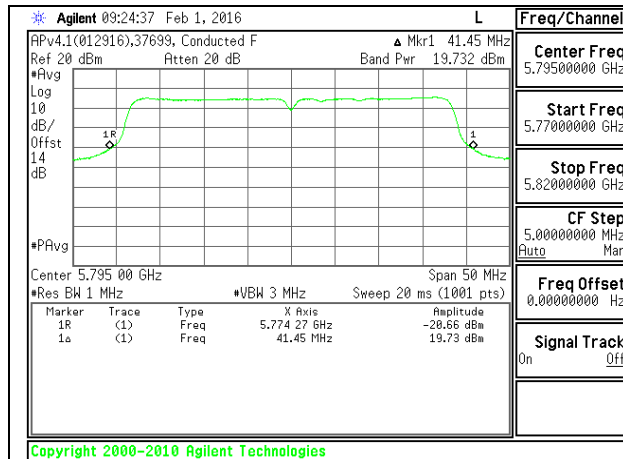
**LOW CHANNEL CHAIN 3**

### LOW CHANNEL - PSD

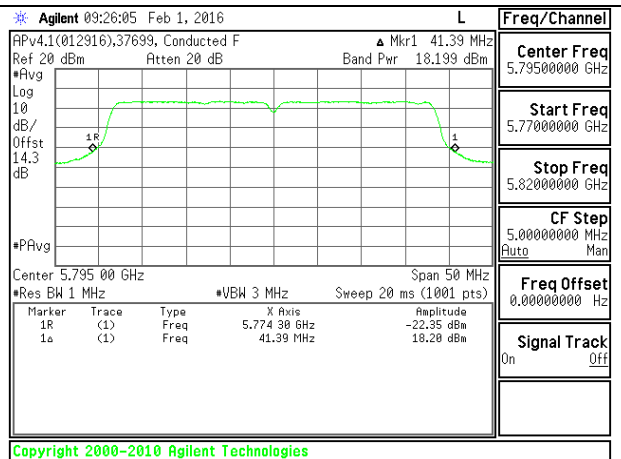




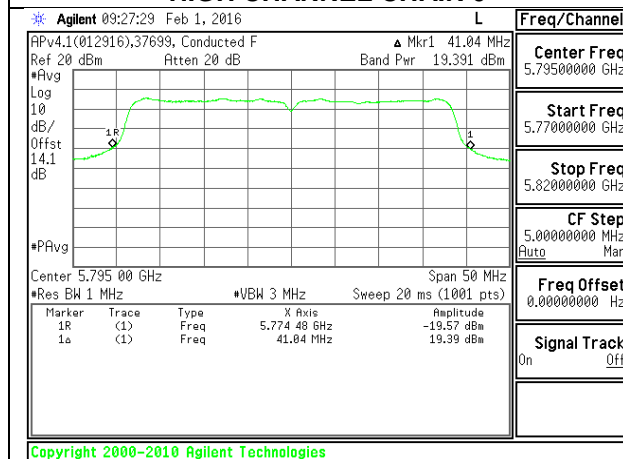
### HIGH CHANNEL - POWER



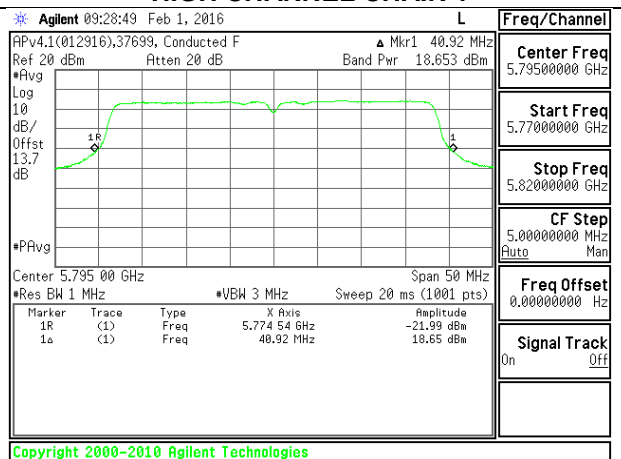
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

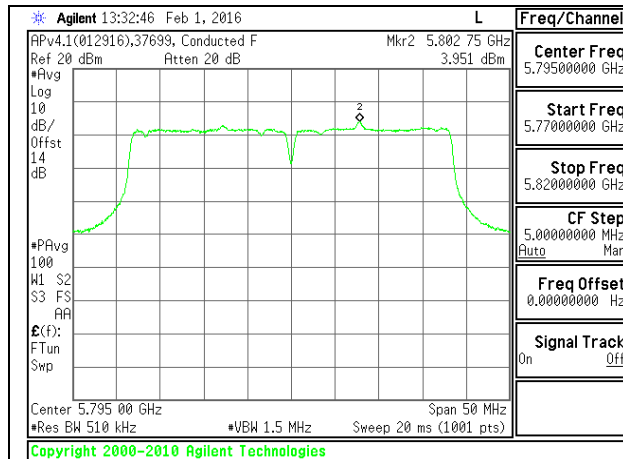


HIGH CHANNEL CHAIN 2

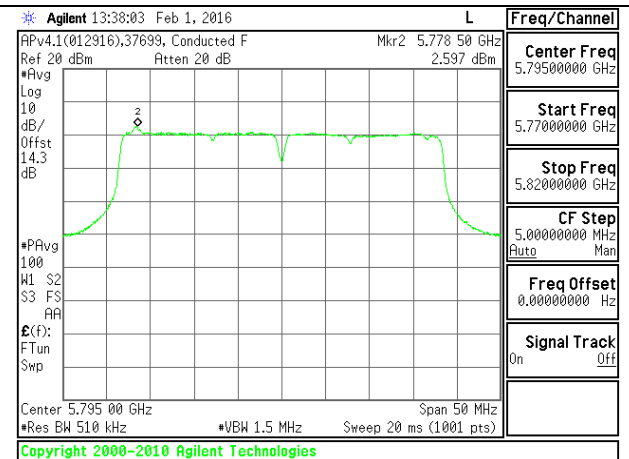


HIGH CHANNEL CHAIN 3

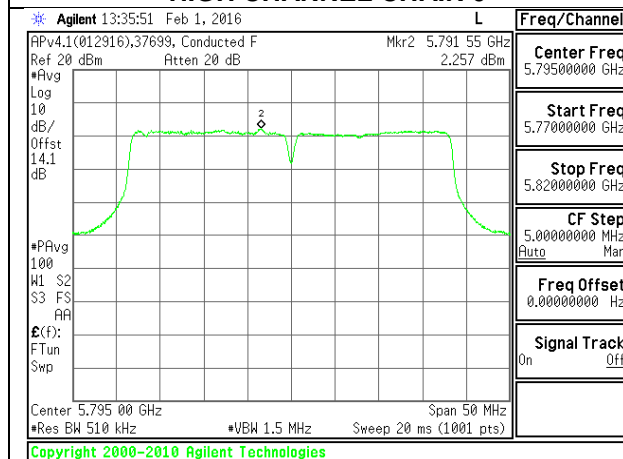
### HIGH CHANNEL - PSD



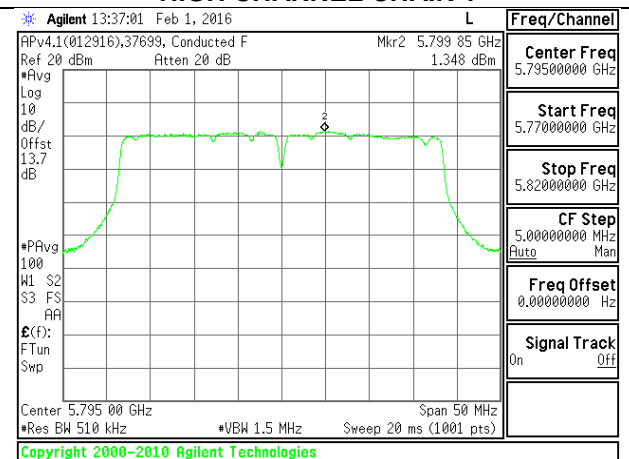
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

**4Tx 1 STREAM BF MODE (low channel only)**

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
Low	5755	9.95	9.95	26.05	26.05
High	5795	9.95	9.95	26.05	26.05

<b>Duty Cycle CF (dB)</b>	1.11	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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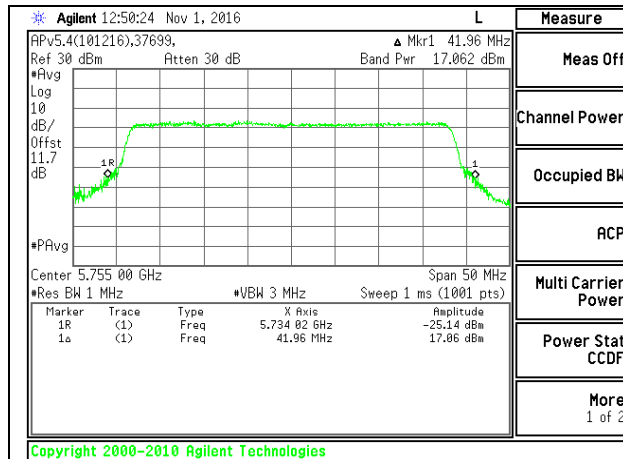
**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Chain 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	17.06	17.80	17.10	16.68	24.31	26.05	-1.74
High	5795	18.23	17.80	18.93	17.26	25.23	26.05	-0.82

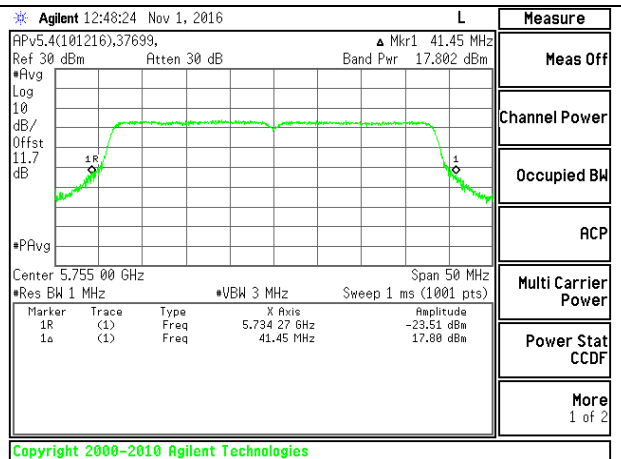
**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Chain 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	1.27	1.32	1.29	0.18	8.17	26.05	-17.88
High	5795	0.88	1.05	1.54	0.12	8.06	26.05	-17.99

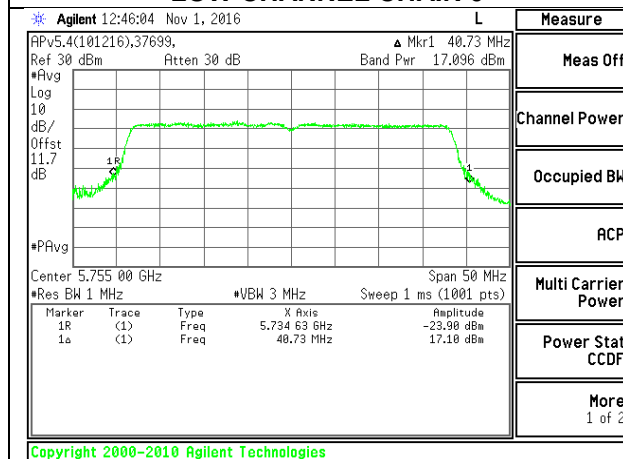
### LOW CHANNEL - POWER



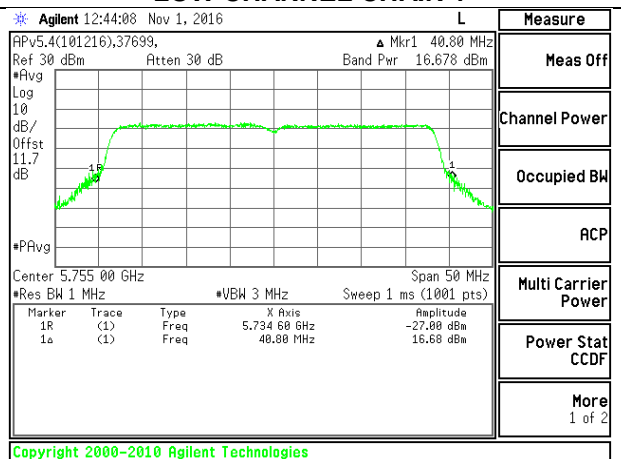
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

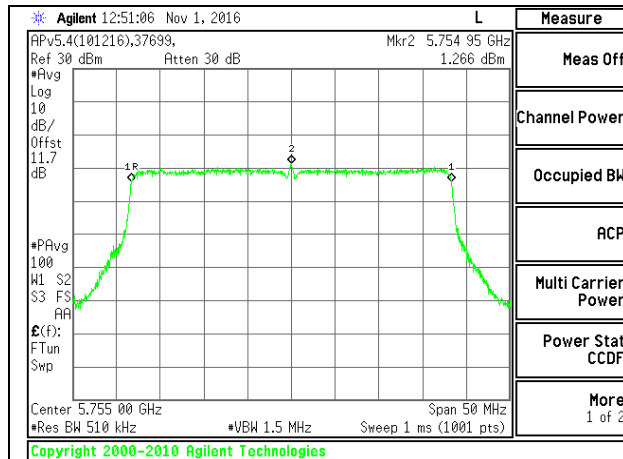


LOW CHANNEL CHAIN 2

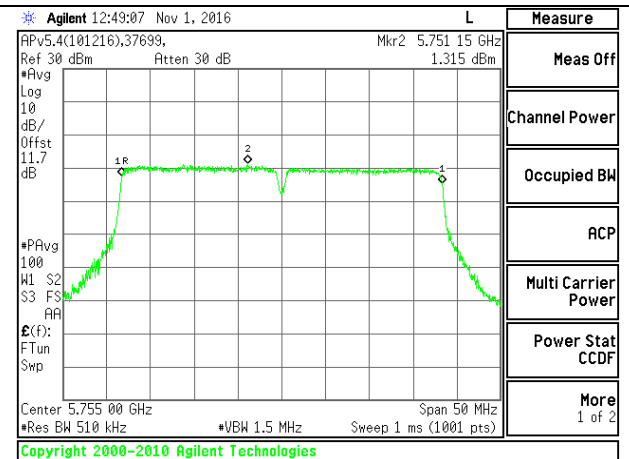


LOW CHANNEL CHAIN 3

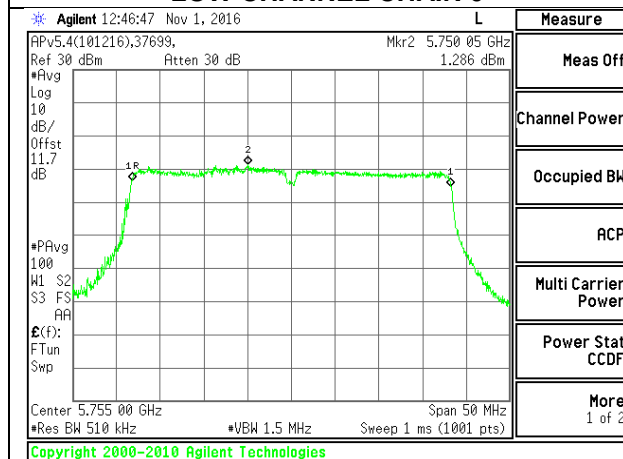
### LOW CHANNEL - PSD



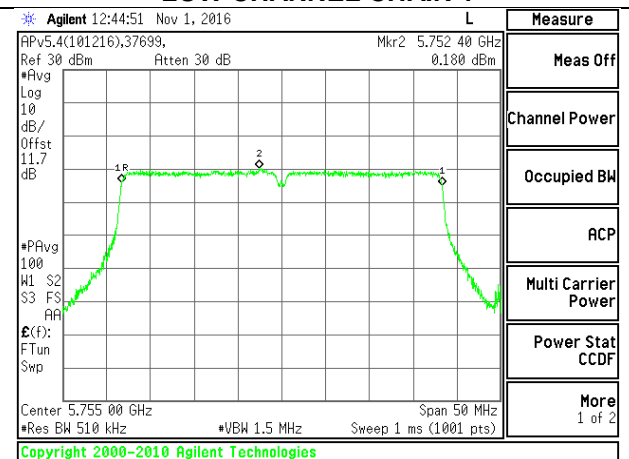
**LOW CHANNEL CHAIN 0**



**LOW CHANNEL CHAIN 1**

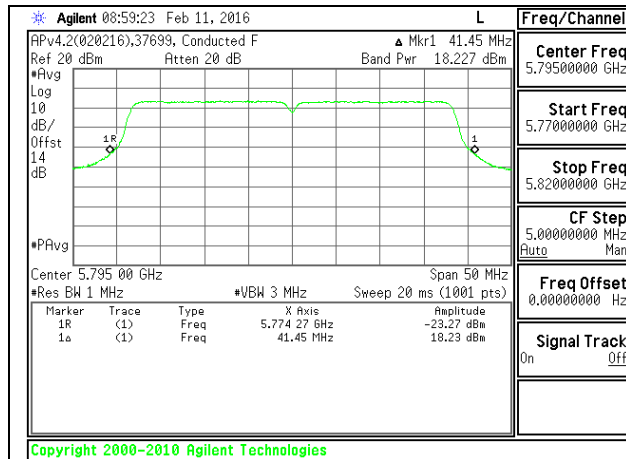


**LOW CHANNEL CHAIN 2**

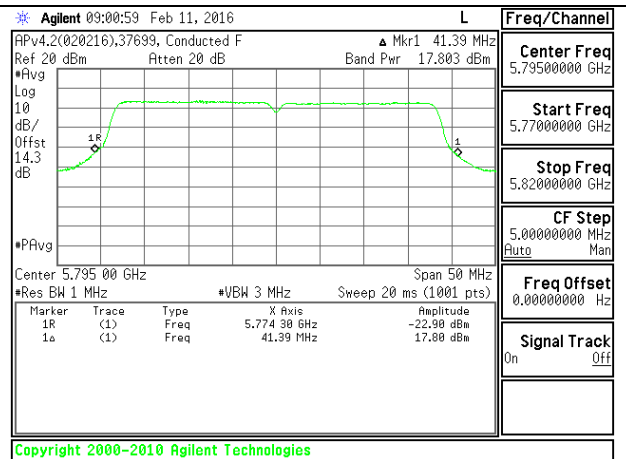


**LOW CHANNEL CHAIN 3**

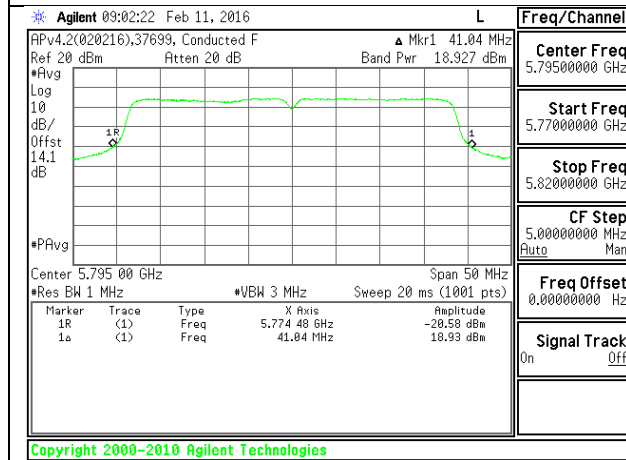
### HIGH CHANNEL - POWER



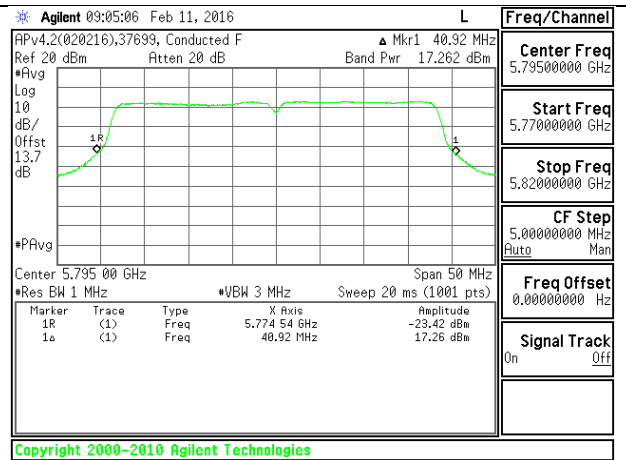
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

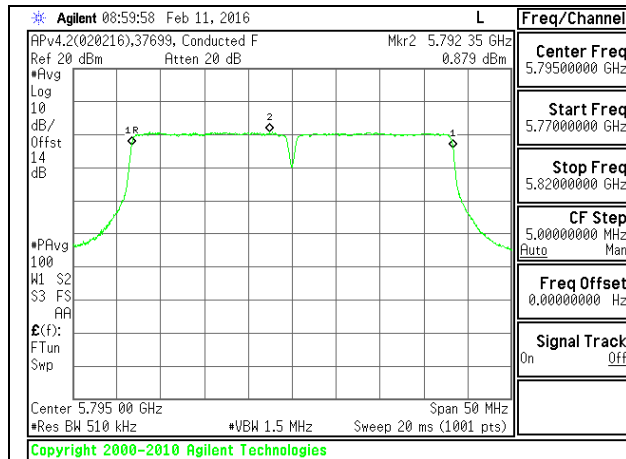


HIGH CHANNEL CHAIN 2

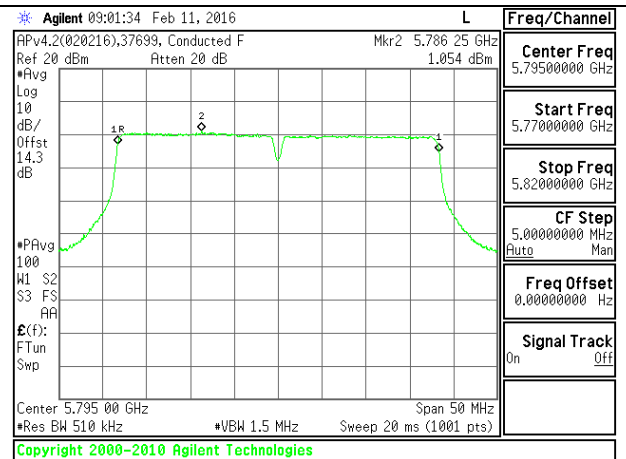


HIGH CHANNEL CHAIN 3

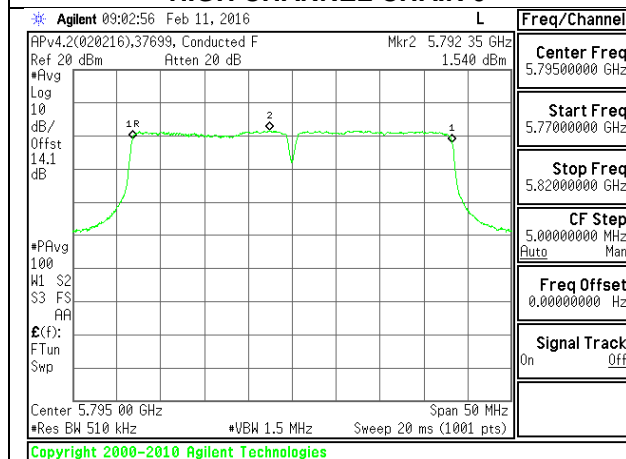
### HIGH CHANNEL - PSD



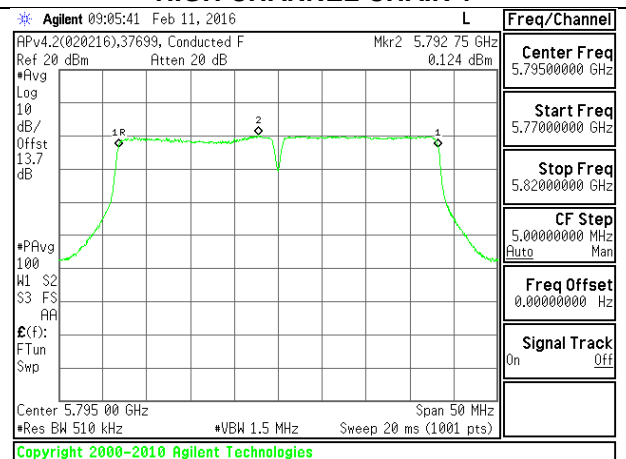
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

**4.5.8. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND (3 and 1 stream BF)**

**4Tx 4 STREAM CDD MODE**

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
Mid	5775	4.01	4.01	30.00	30.00

<b>Duty Cycle CF (dB)</b>	0.72	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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**Output Power Results**

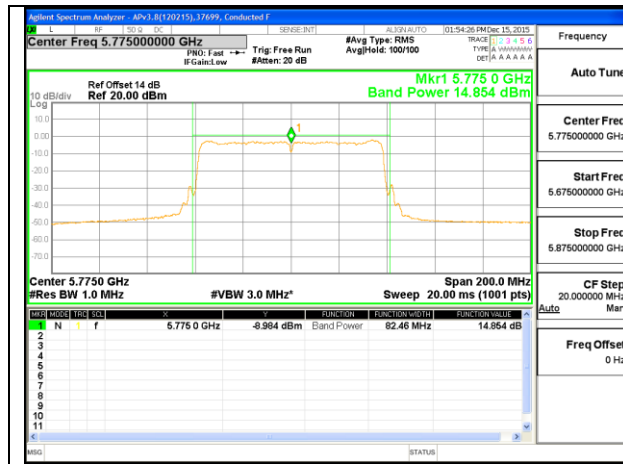
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Chain 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.85	12.70	14.02	10.79	20.09	30.00	-9.91

**PSD Results**

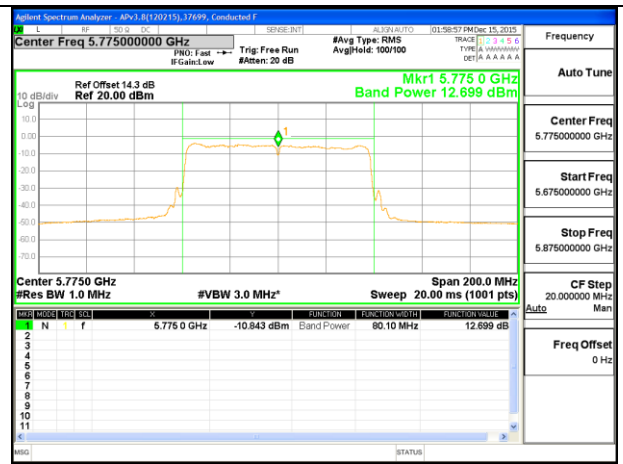
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Chain 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-5.09	-6.88	-5.30	-8.96	0.44	30.00	-29.56



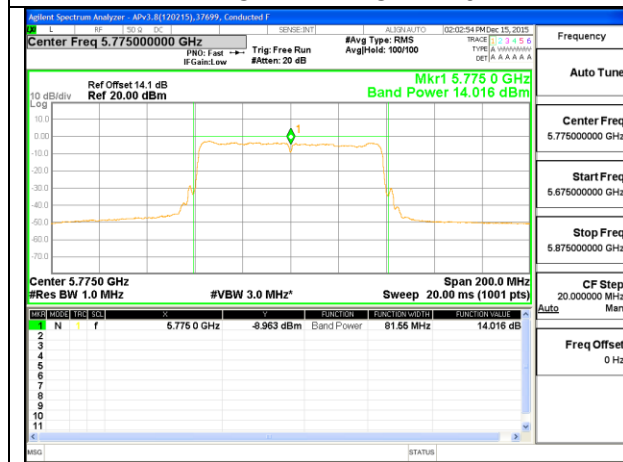
### MID CHANNEL - POWER



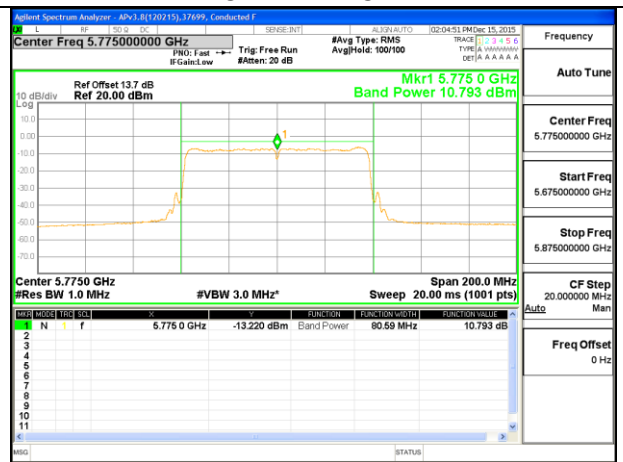
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

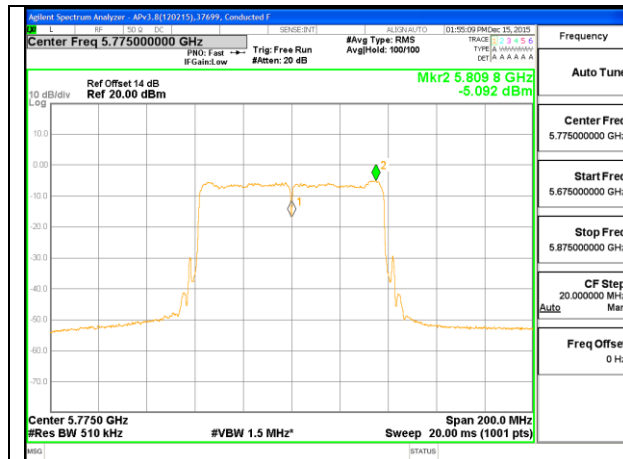


MID CHANNEL CHAIN 2

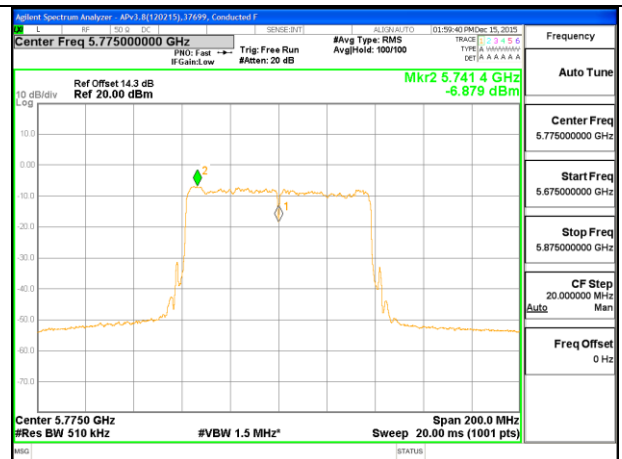


MID CHANNEL CHAIN 3

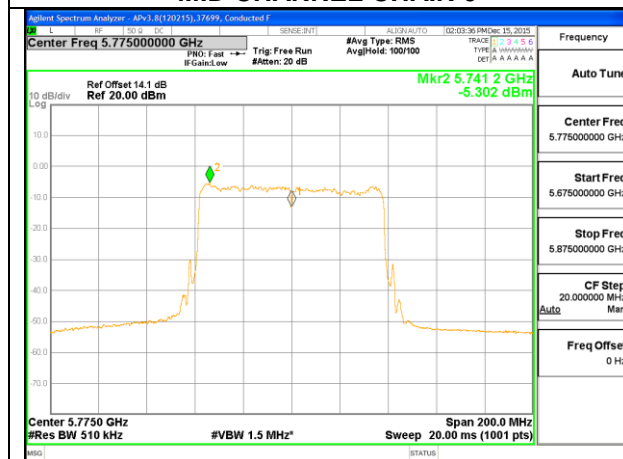
### MID CHANNEL - PSD



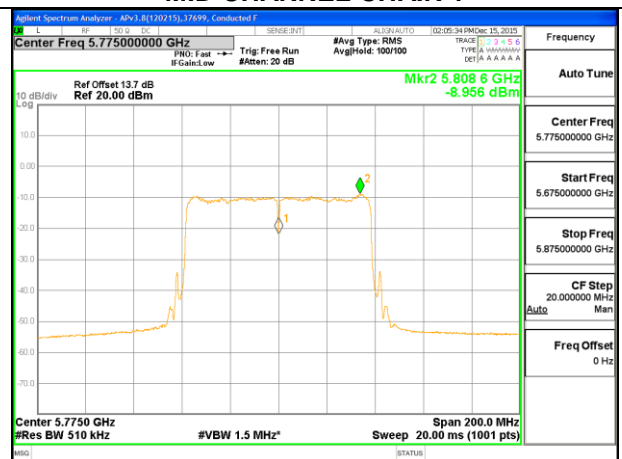
**MID CHANNEL CHAIN 0**



**MID CHANNEL CHAIN 1**



**MID CHANNEL CHAIN 2**



**MID CHANNEL CHAIN 3**

**4Tx 1 STREAM CDD MODE**

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
Mid	5775	4.01	9.95	30.00	26.05

<b>Duty Cycle CF (dB)</b>	0.25	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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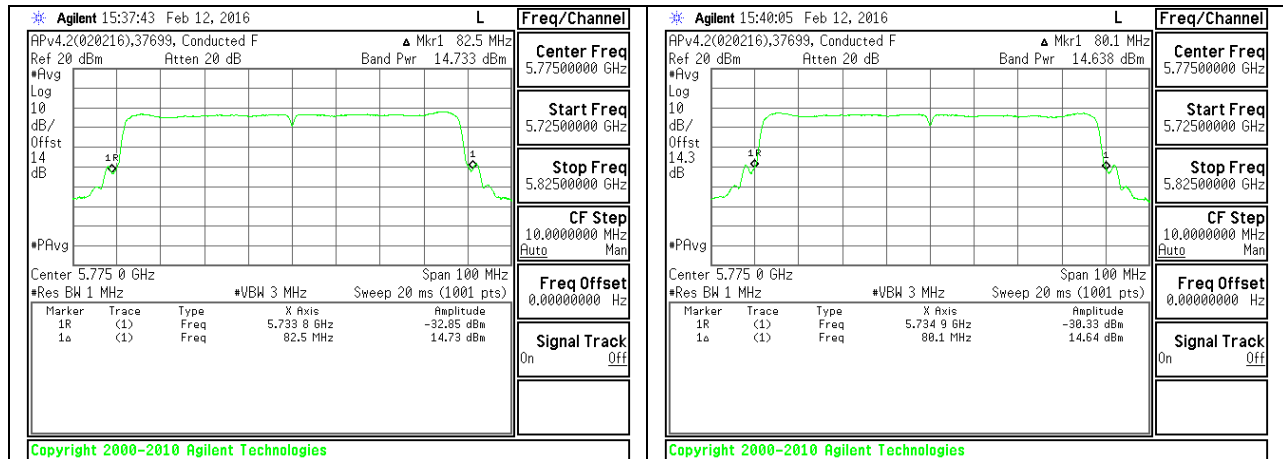
**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Chain 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.73	14.64	13.90	14.12	20.63	30.00	-9.37

**PSD Results**

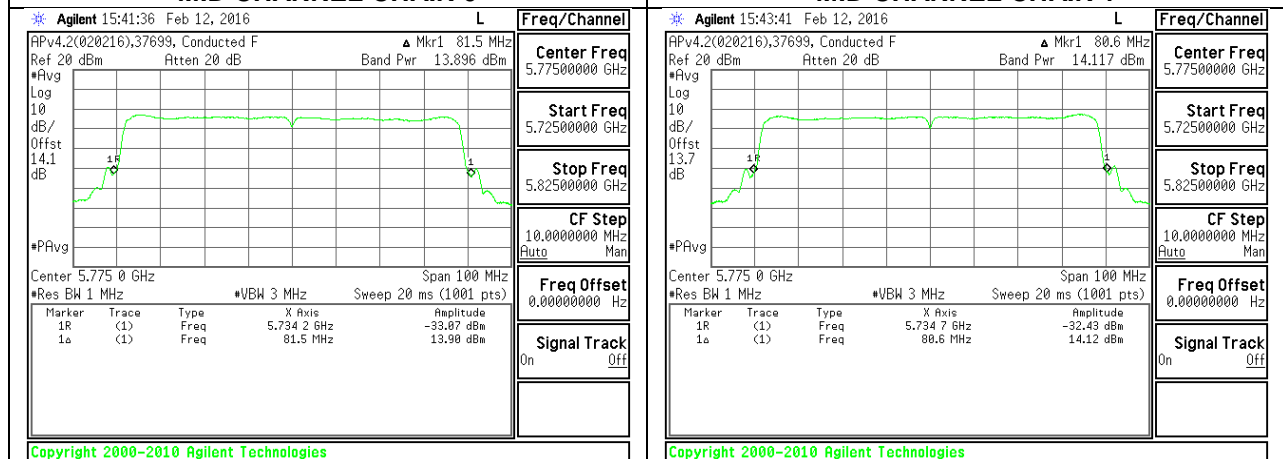
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Chain 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-4.65	-5.23	-5.52	-5.33	1.10	26.05	-24.95

### MID CHANNEL - POWER



MID CHANNEL CHAIN 0

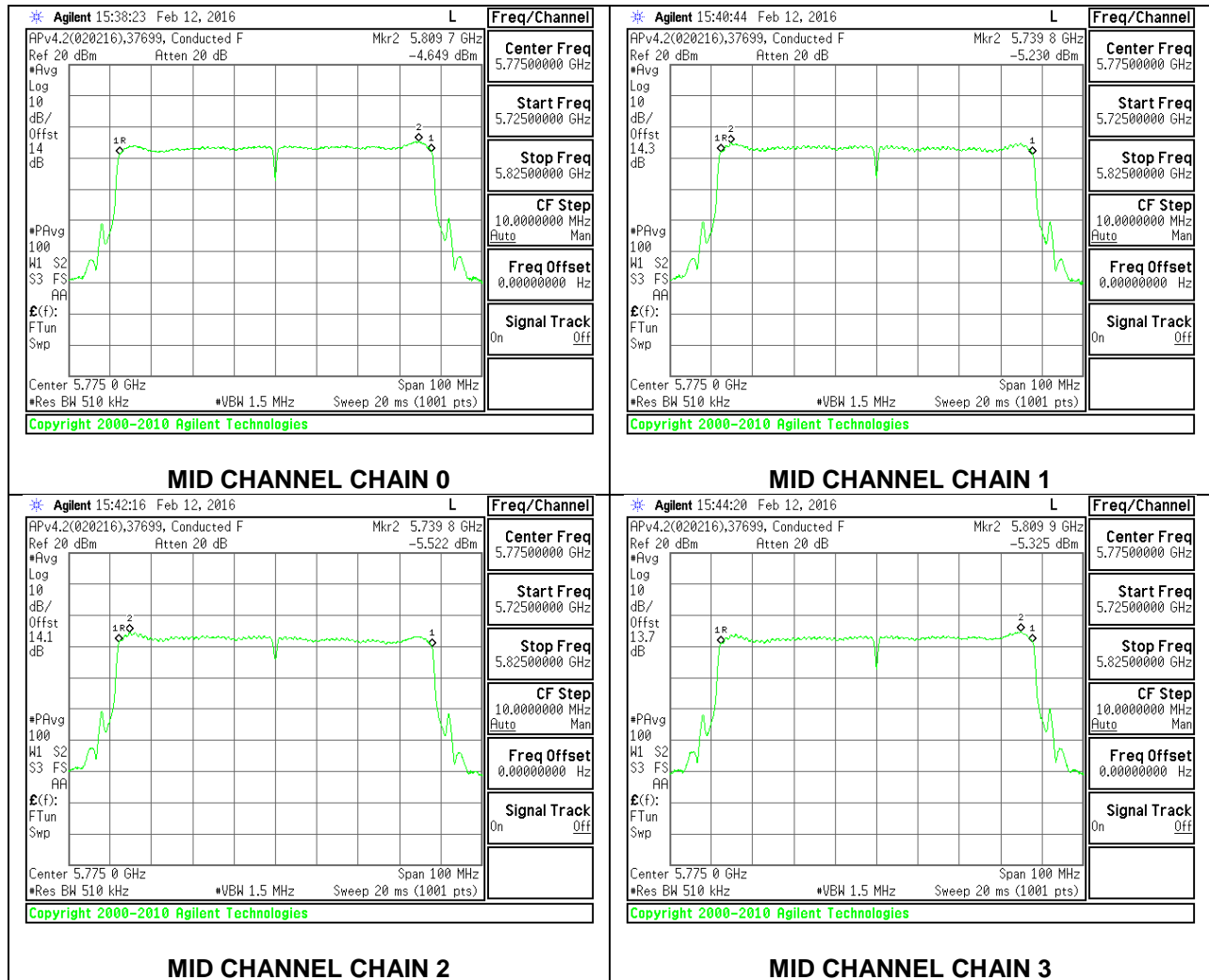
MID CHANNEL CHAIN 1



MID CHANNEL CHAIN 2

MID CHANNEL CHAIN 3

### MID CHANNEL - PSD



**4Tx 3 STREAM BF MODE**

	(MHz)	for Power (dBi)	for PSD (dBi)	(dBm)	(dBm)
Mid	5775	6.07	6.07	29.93	29.93

<b>Duty Cycle CF (dB)</b>	0.65	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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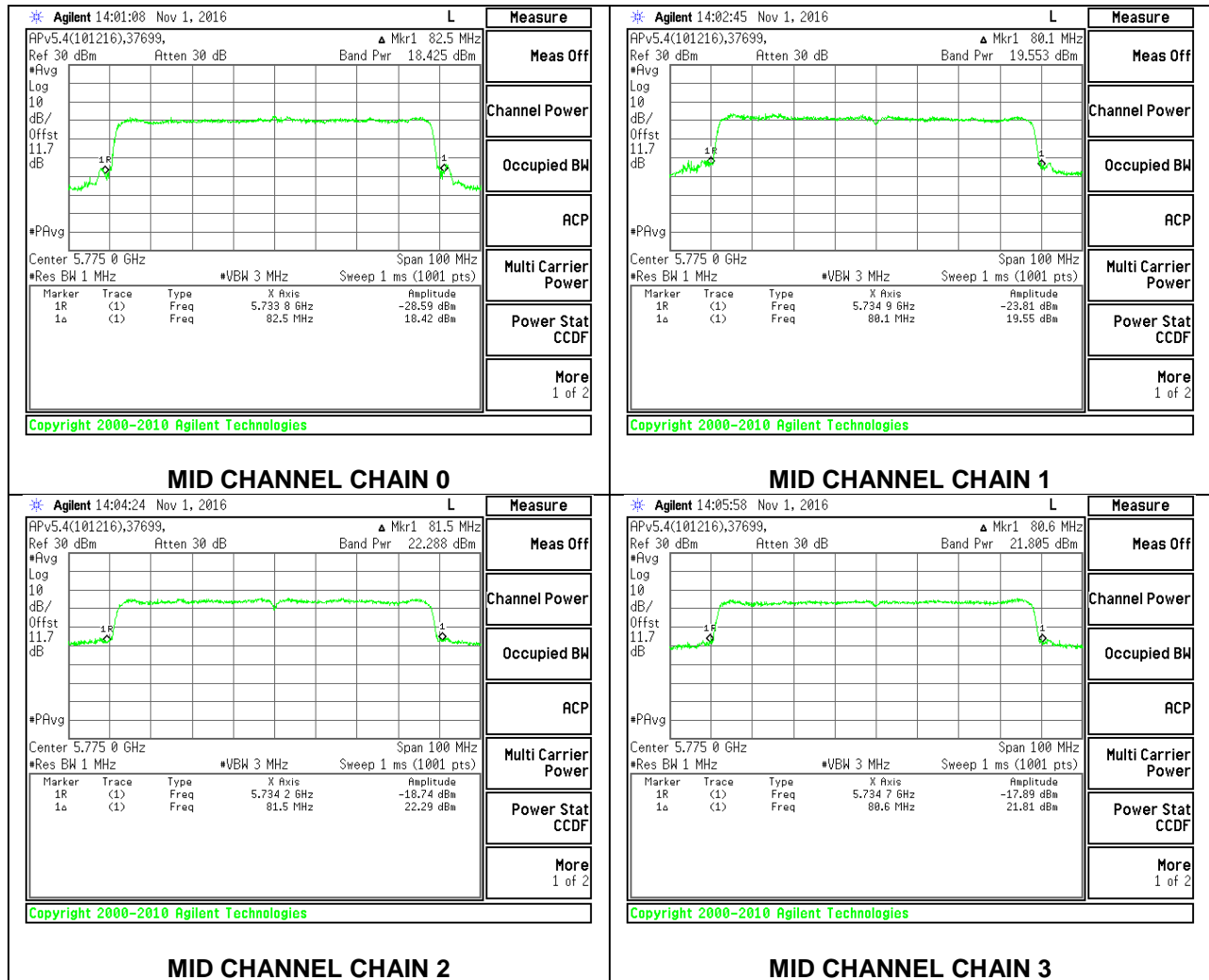
**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Chain 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.43	19.55	22.29	21.81	27.47	29.93	-2.46

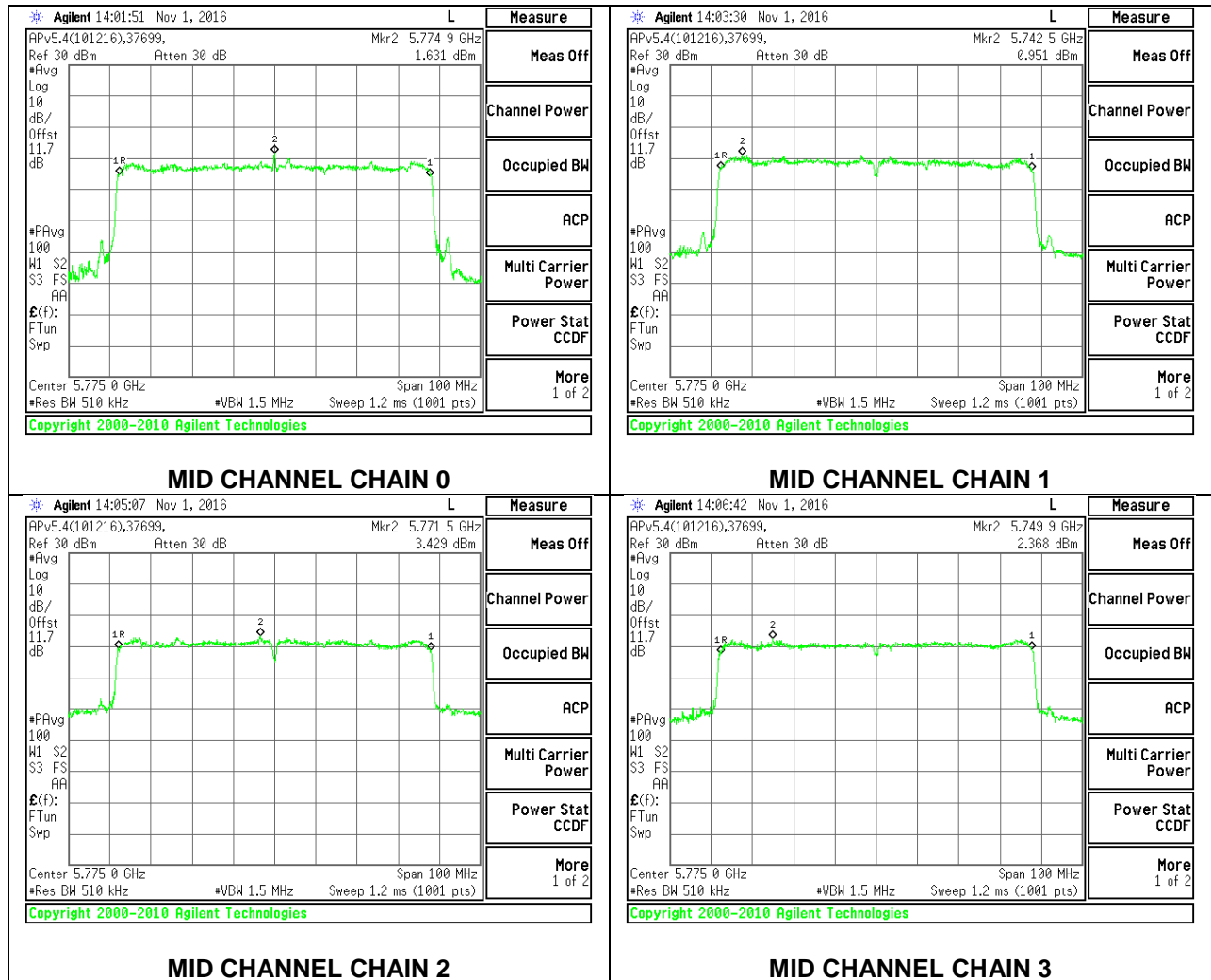
**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Chain 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	1.63	0.95	3.43	2.37	8.86	29.93	-21.07

### MID CHANNEL - POWER



### MID CHANNEL - PSD





**4Tx 1 STREAM BF MODE**

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
Mid	5775	9.95	9.95	26.05	26.05

<b>Duty Cycle CF (dB)</b>	0.82	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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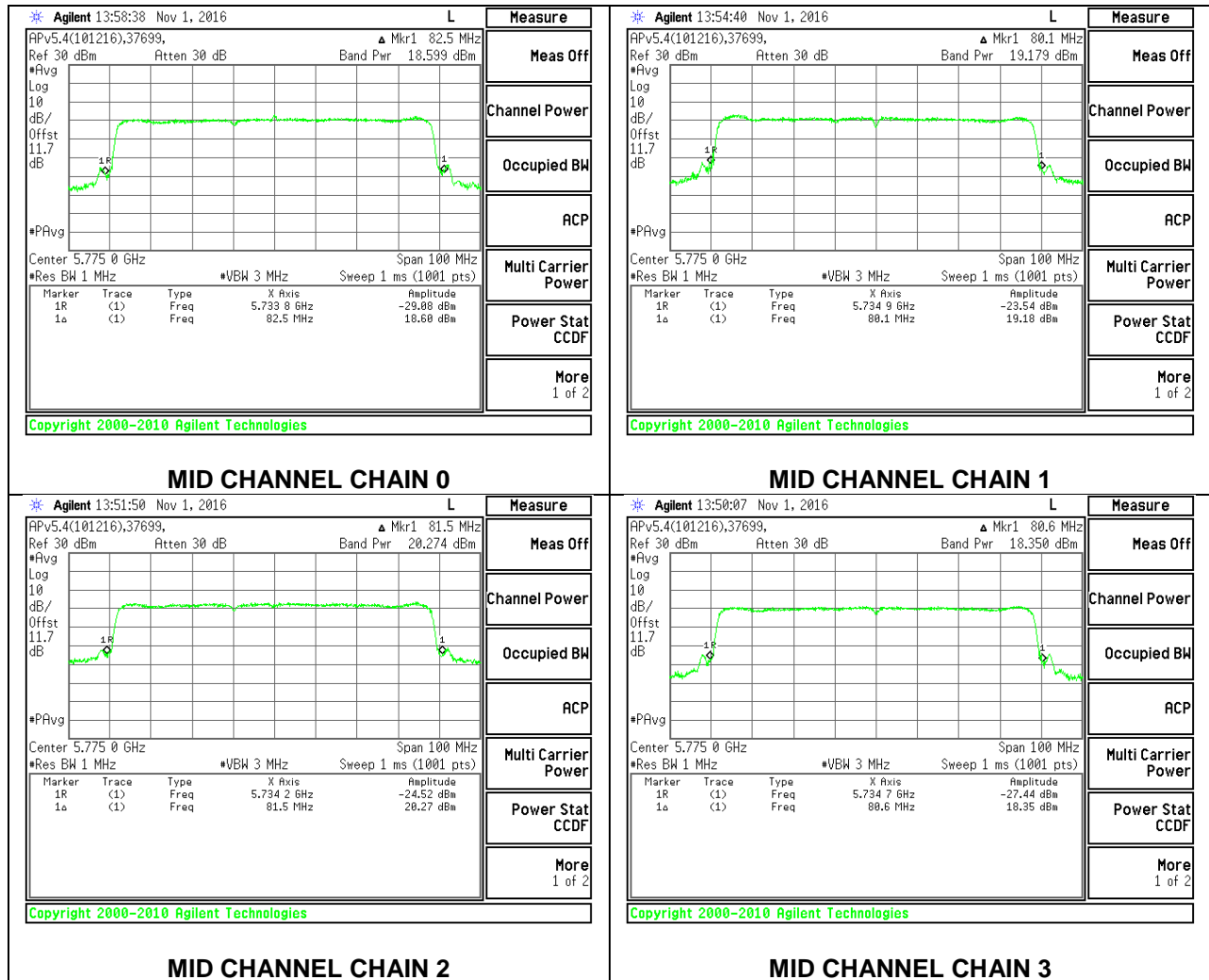
**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Chain 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.60	19.18	20.27	18.35	26.01	26.05	-0.04

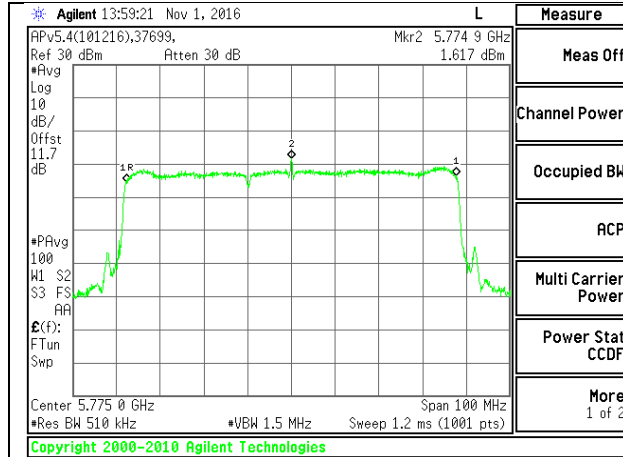
**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Chain 3 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	1.62	-0.23	0.92	-1.34	7.23	26.05	-18.82

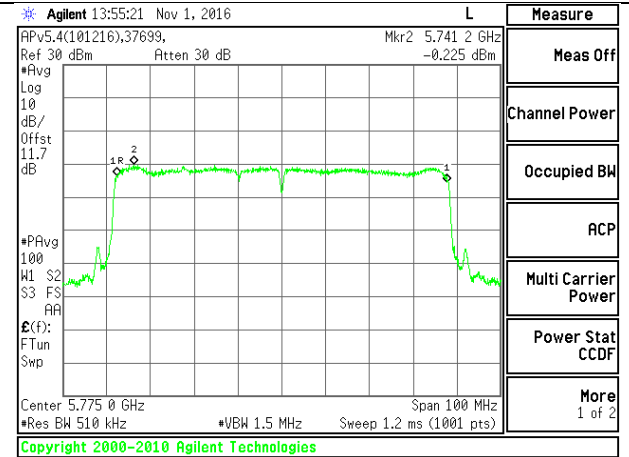
### MID CHANNEL - POWER



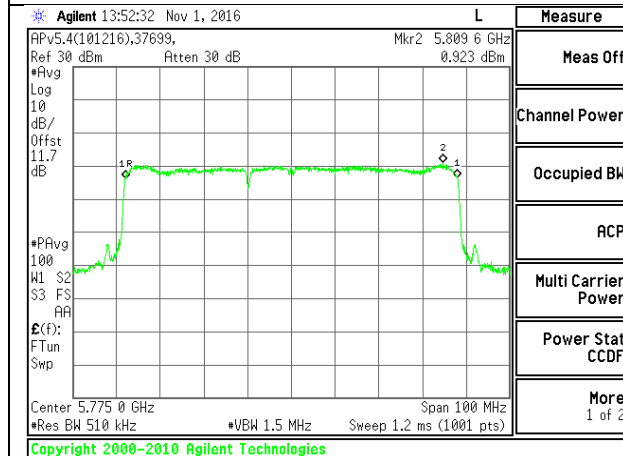
### MID CHANNEL - PSD



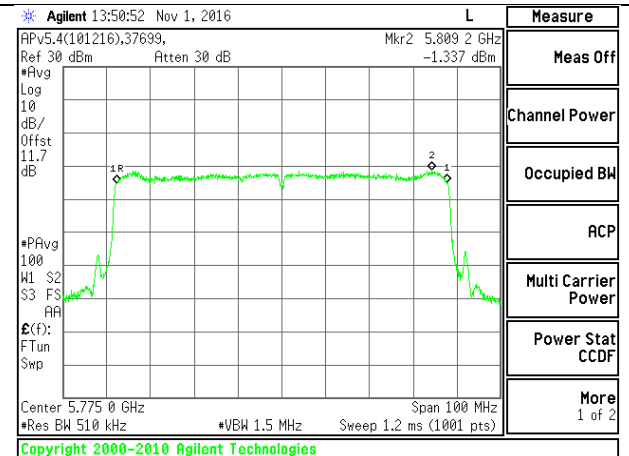
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1



MID CHANNEL CHAIN 2



MID CHANNEL CHAIN 3

## 5. RADIATED TEST RESULTS

### LIMITS

FCC §15.205 and §15.209

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

### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150cm 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 G) 6) c) Method AD:

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.

The EUT can only be setup in desktop orientation; therefore, all radiated testing was performed with the EUT in desktop orientation.

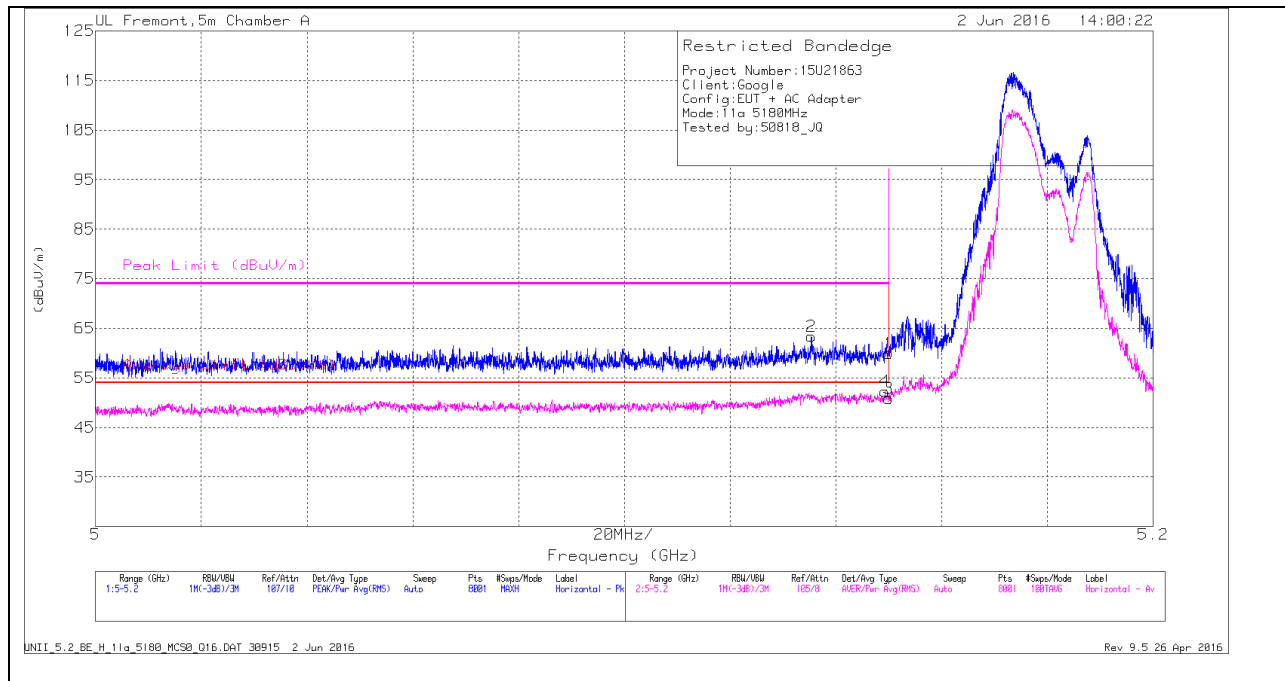
## 5.1. TRANSMITTER ABOVE 1 GHz

### 5.1.1. 802.11a MODE IN THE 5.2GHz BAND

#### 4Tx 1 STREAM CDD MODE

#### RESTRICTED BANDEDGE (LOW CHANNEL)

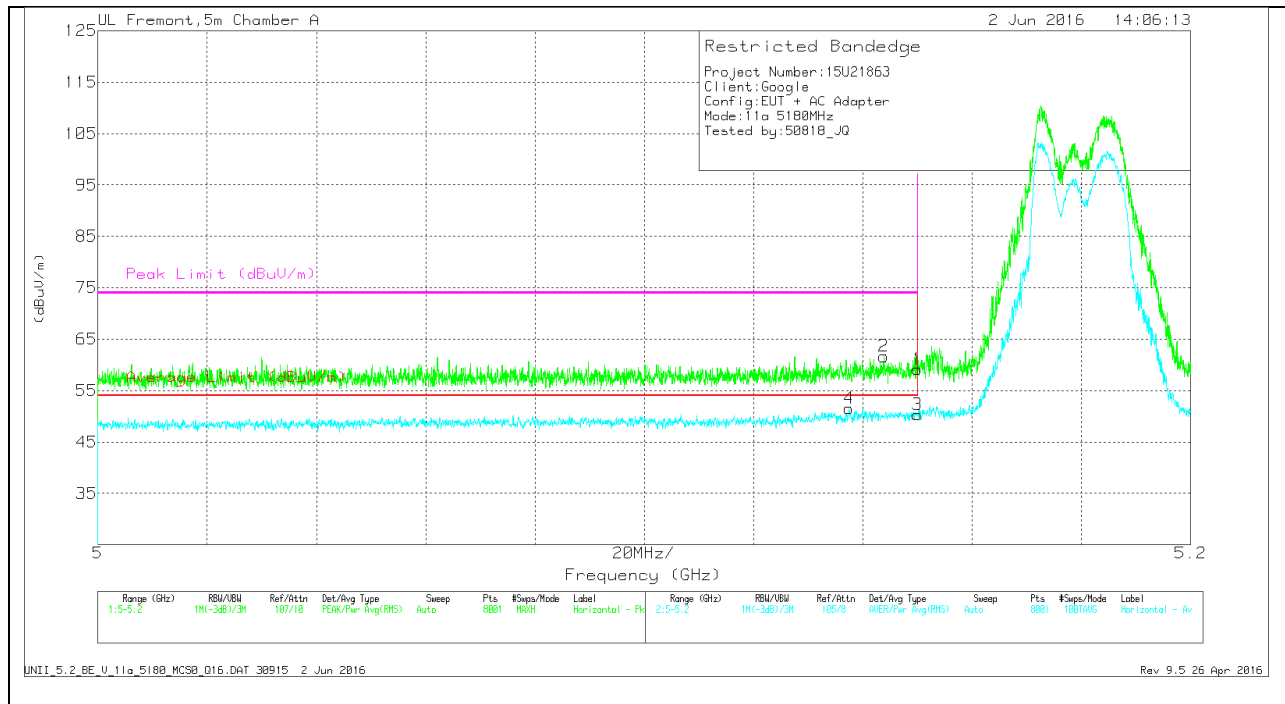
#### HORIZONTAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/Fitr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.36	Pk	34.5	-13.9	59.96	-	-	74	-14.04	64	114	H
2	5.135	42.85	Pk	34.4	-13.9	63.35	-	-	74	-10.65	64	114	H
3	5.15	30.25	RMS	34.5	-13.9	50.85	54	-3.15	-	-	64	114	H
4	5.149	31.57	RMS	34.5	-13.8	52.27	54	-1.73	-	-	64	114	H

Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS

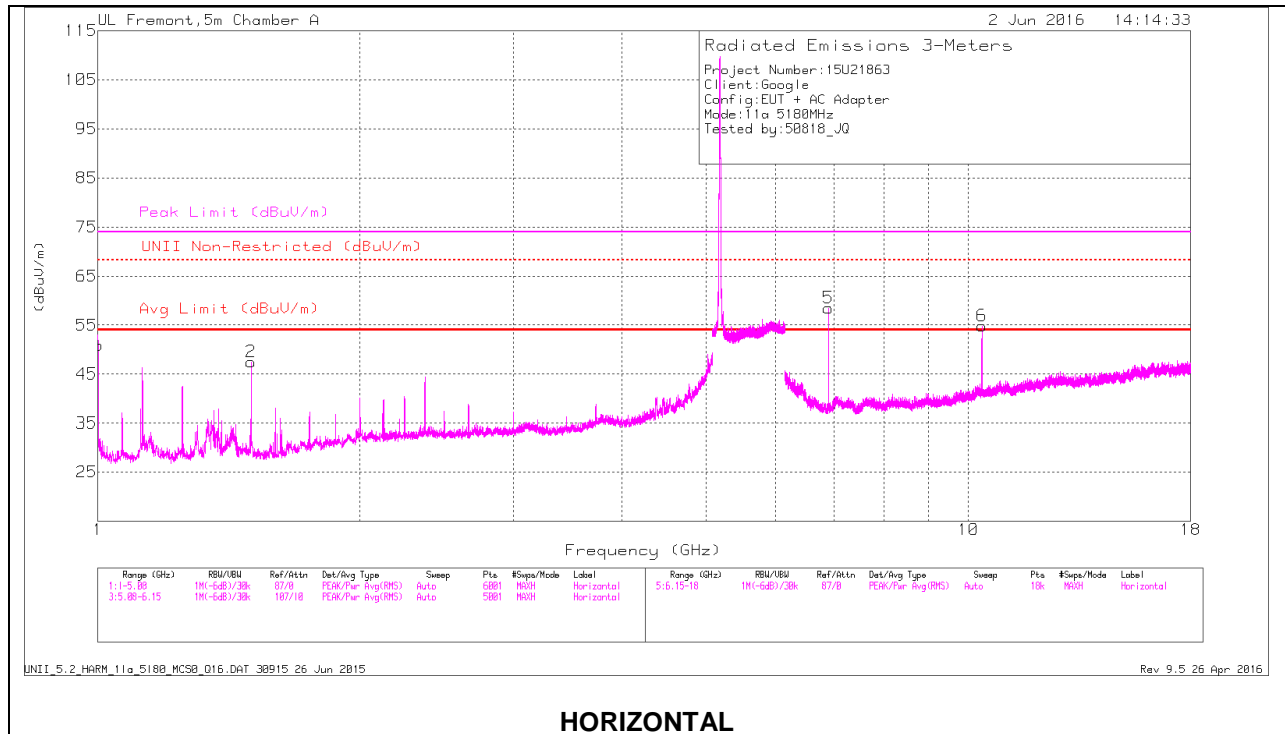


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (db/m)	Amp/CbWftr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	38.58	Pk	34.5	-13.9	0	53.18	-	-	74	-14.82	296	110	V
2	5.144	40.96	Pk	34.4	-13.7	0	61.66	-	-	74	-12.34	296	110	V
3	5.15	29.38	RMS	34.5	-13.9	.31	50.29	54	-3.71	-	-	296	110	V
4	5.137	30.68	RMS	34.4	-13.9	.31	51.49	54	-2.51	-	-	296	110	V

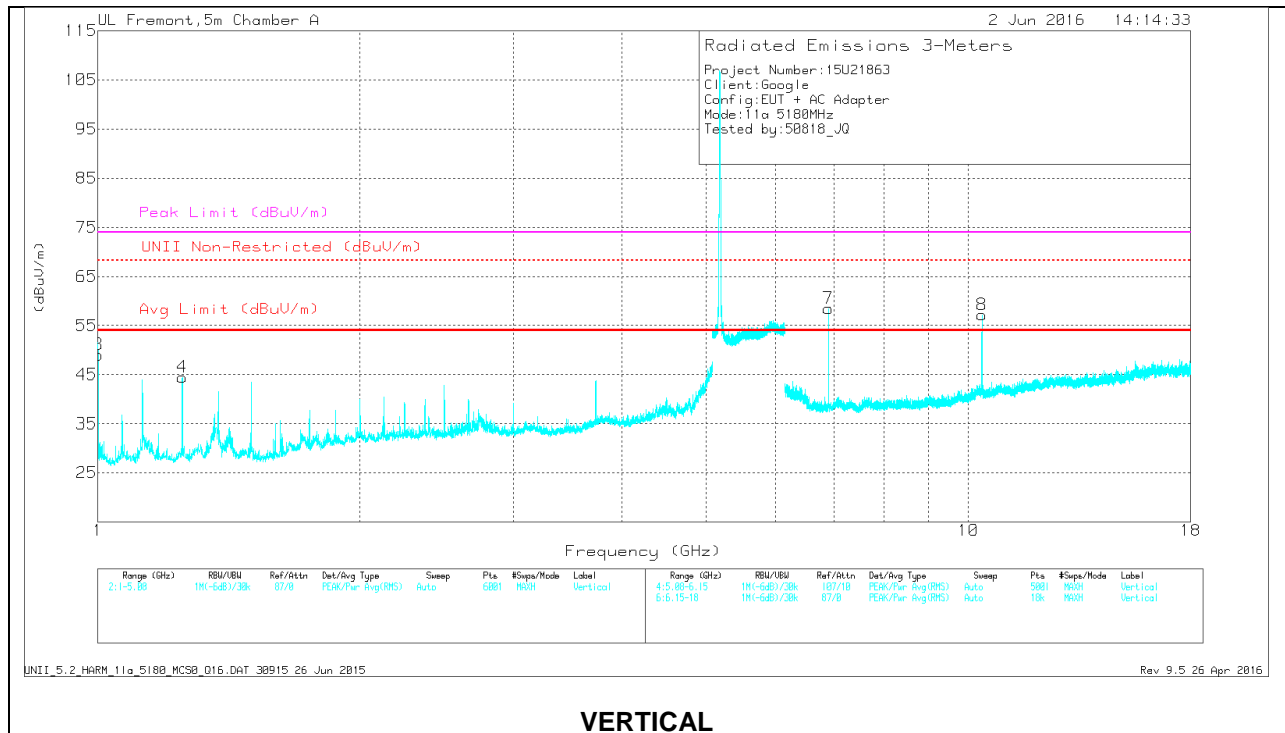
Pk - Peak detector  
 RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

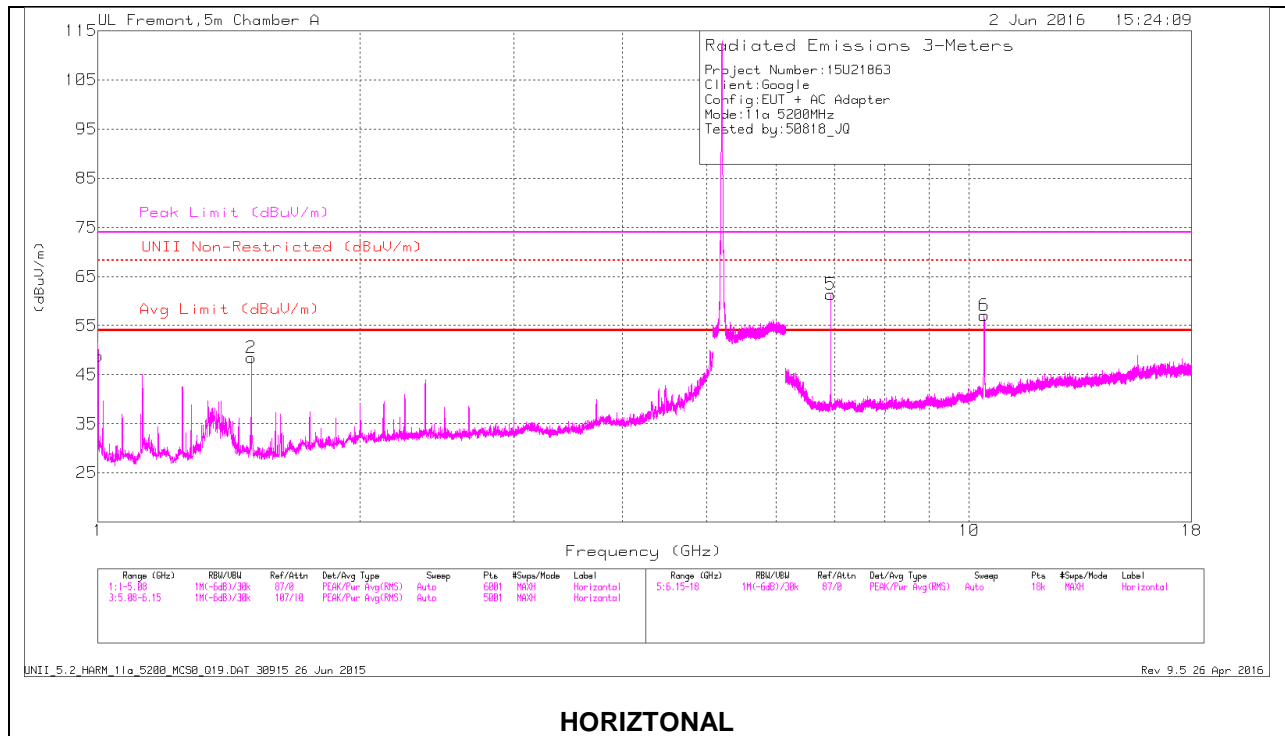
LOW CHANNEL DATA

Marker	Frequency (GHz)	Measr Reading (dBuV)	Det	AP T346 (dB/m)	Amp/CD/FB/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	62.53	PK-U	27.5	-34.7	0	55.33	54	-	74	-18.67	-	-	69	292	H
		60.51	ADR	27.5	-34.7	.31	53.62	-	-	-	-	-	-	69	292	H
2	* 1.5	56.78	PK-U	27.9	-34.2	0	50.48	-	-	74	-23.52	-	-	254	166	H
		54.07	ADR	27.9	-34.2	.31	49.08	-	-	-	-	-	-	254	166	H
3	* 1.5	59.74	PK-U	27.5	-34.7	0	52.54	54	-5.92	-	-	-	-	123	162	V
		58.14	ADR	27.5	-34.7	.31	51.25	54	-2.75	-	-	-	-	123	162	V
4	* 1.25	52.68	PK-U	28.6	-34.7	0	46.58	-	-	74	-27.42	-	-	177	317	V
		49.8	ADR	28.6	-34.7	.31	44.01	54	-9.99	-	-	-	-	177	317	V
5	6.907	50.92	PK-U	35.6	-25.4	0	61.12	-	-	-	-	68.2	-7.08	164	214	H
		50.2	PK-U	35.6	-25.4	0	60.4	-	-	-	-	68.2	-7.8	288	103	V
6	6.907	50.2	PK-U	35.6	-25.4	0	60.4	-	-	-	-	68.2	-7.8	288	103	V
7	10.362	46.32	PK-U	37.4	-21.5	0	62.12	-	-	-	-	68.2	-6.08	45	215	H
8	10.365	47.65	PK-U	37.4	-21.7	0	63.35	-	-	-	-	68.2	-4.85	357	102	V

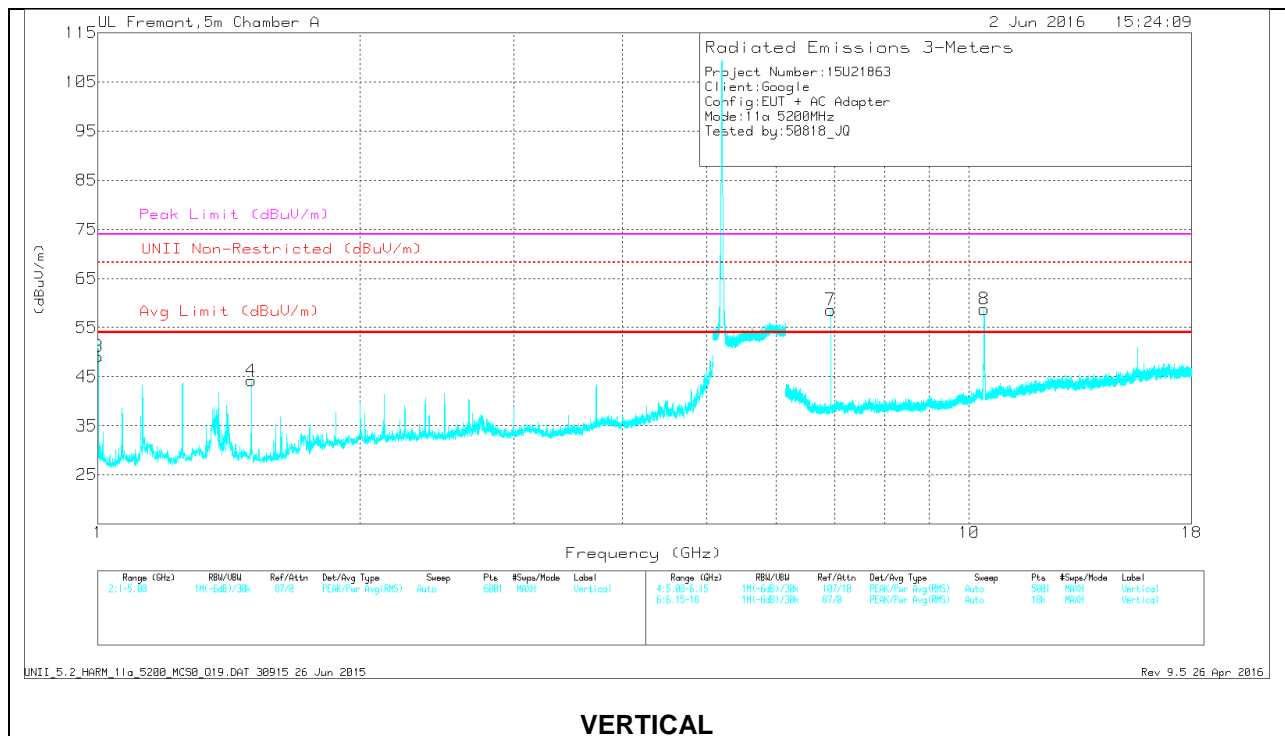
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average



### MID CHANNEL RESULTS



**HORIZONTAL**



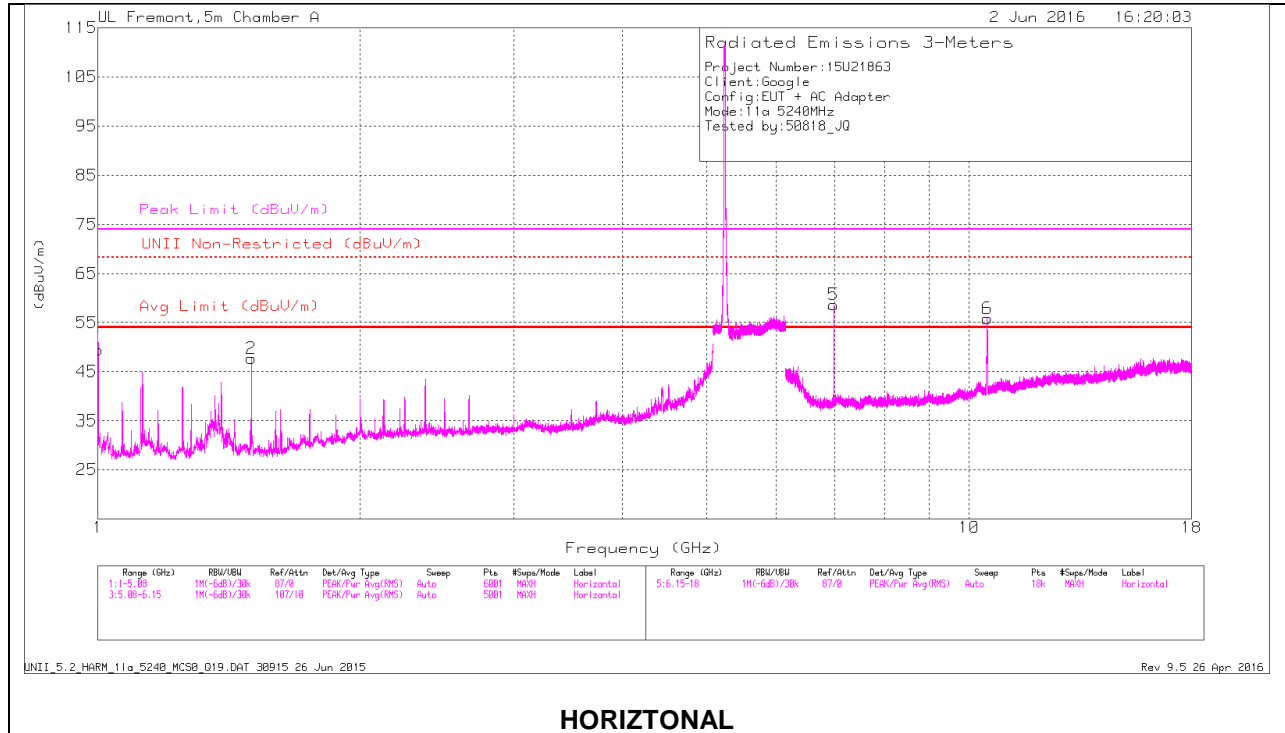
**VERTICAL**

MID CHANNEL DATA

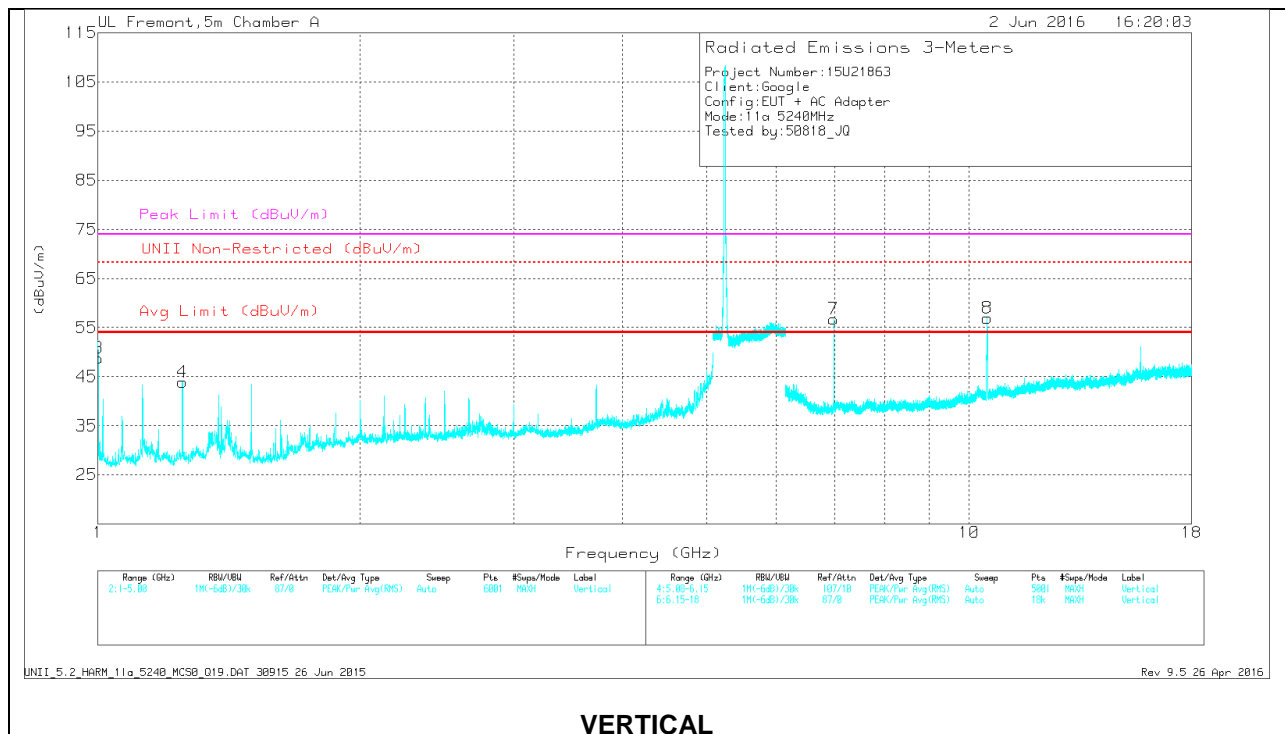
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cable/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	61.96	PK-U	27.5	-34.7	0	54.76	-	-	74	-19.24	-	-	73	292	H
	* 1	59.93	ADR	27.5	-34.7	.31	53.04	54	-96	-	-	-	-	73	292	H
2	* 1.5	56.5	PK-U	27.9	-34.2	0	53.2	-	-	74	-23.8	-	-	262	107	H
	* 1.5	54.27	ADR	27.9	-34.2	.31	48.28	54	-5.72	-	-	-	-	262	107	H
3	* 1	60.28	PK-U	27.5	-34.7	0	53.08	-	-	74	-20.92	-	-	130	200	V
	* 1	58.88	ADR	27.5	-34.7	.31	51.99	54	-2.01	-	-	-	-	130	200	V
4	* 1.5	54.8	PK-U	27.9	-34.2	0	48.5	-	-	74	-25.5	-	-	52	367	V
	* 1.5	51.17	ADR	27.9	-34.2	.31	45.18	54	-8.82	-	-	-	-	52	367	V
5	6.933	51.31	PK-U	35.6	-25.4	0	61.51	-	-	-	-	68.2	-6.69	35	259	H
6	6.933	49.79	PK-U	35.6	-25.4	0	58.99	-	-	-	-	68.2	-9.21	81	254	V
7	10.401	46.52	PK-U	37.4	-21.7	0	62.22	-	-	-	-	68.2	-5.98	4	111	V
8	10.405	44.52	PK-U	37.4	-21.7	0	60.22	-	-	-	-	68.2	-7.98	137	225	H

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

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

HIGH CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AP T346 (dB/m)	Amp/Cou/Fit/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	61.8	PK-U	27.5	-34.7	0	54.6	-	-	74	-19.4	-	-	74	294	H
	* 1	59.54	ADR	27.5	-34.7	.31	52.65	54	-1.35	-	-	-	-	74	294	H
2	* 1.5	55.83	PK-U	27.9	-34.2	0	49.53	-	-	74	-24.47	-	-	262	108	H
	* 1.5	53.83	ADR	27.9	-34.2	.31	47.64	54	-6.36	-	-	-	-	262	108	H
3	* 1	60.4	PK-U	27.5	-34.7	0	53.2	-	-	74	-20.8	-	-	127	389	V
	* 1	58.7	ADR	27.5	-34.7	.31	51.81	54	-2.19	-	-	-	-	127	389	V
4	* 1.25	54.08	PK-U	28.6	-34.7	0	47.98	-	-	74	-26.02	-	-	235	273	V
	* 1.25	51.29	ADR	28.6	-34.7	.31	45.5	54	-8.5	-	-	-	-	235	273	V
5	6.987	48.84	PK-U	35.7	-25.3	0	59.24	-	-	-	-	68.2	-8.96	165	217	H
6	6.987	47.87	PK-U	35.7	-25.3	0	58.27	-	-	-	-	68.2	-9.93	105	103	V
7	10.482	45.8	PK-U	37.5	-21.8	0	61.5	-	-	-	-	68.2	-6.7	40	275	H
8	10.483	47.68	PK-U	37.5	-21.8	0	63.38	-	-	-	-	68.2	-4.82	294	201	V

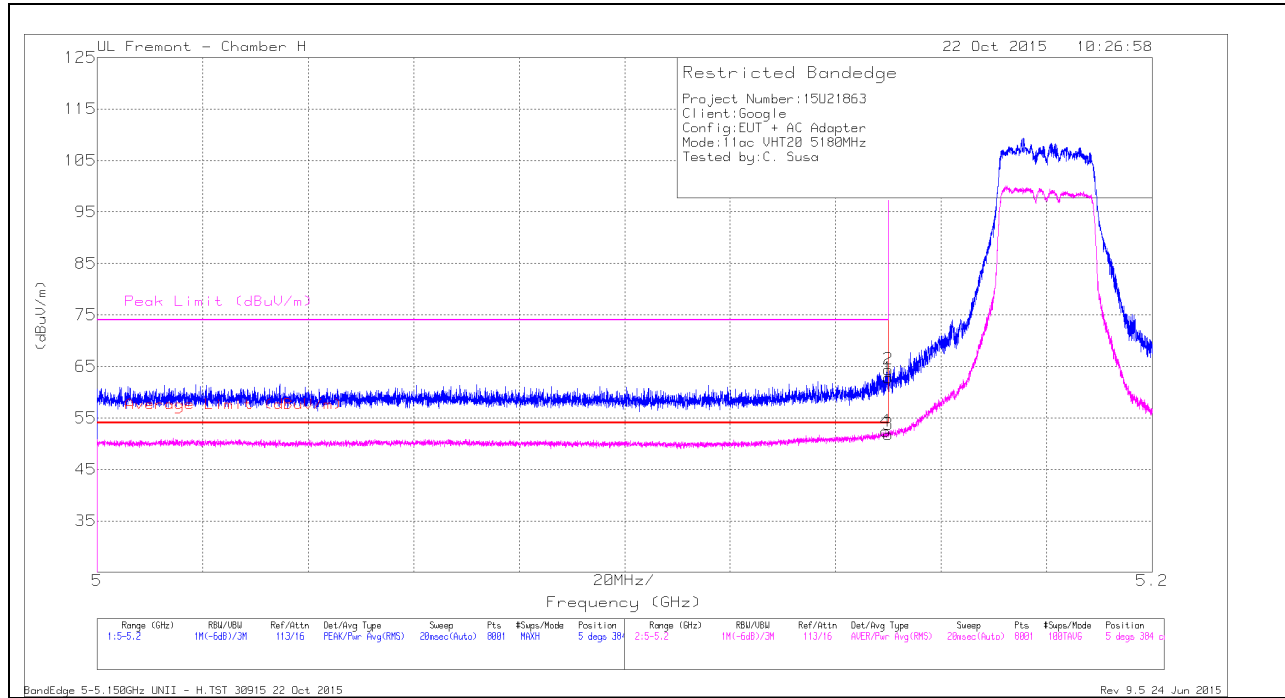
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### 5.1.2. 802.11ac VHT20 MODE IN THE 5.2GHz BAND

#### 4Tx 4 STREAM CDD MODE

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULTS



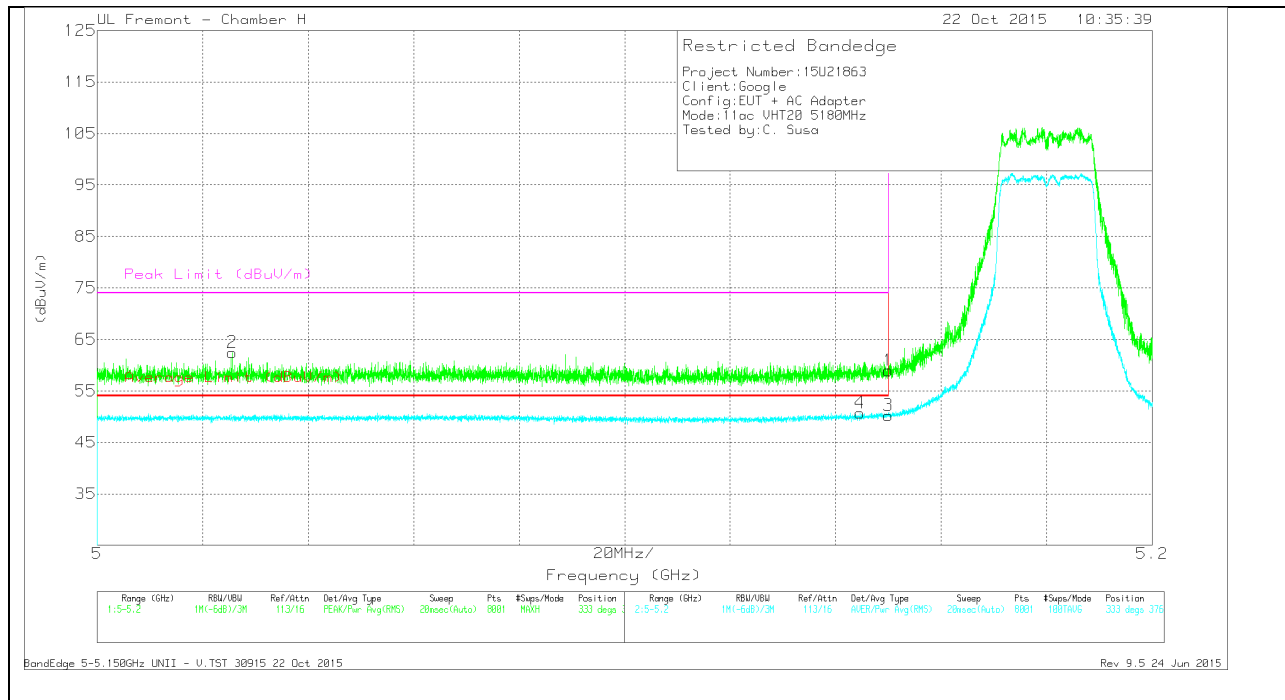
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.18	Pk	34.4	-18.8	0	62.78	-	-	74	-11.22	5	384	H
2	* 5.15	48.83	Pk	34.4	-18.8	0	64.43	-	-	74	-9.57	5	384	H
3	* 5.15	36.06	RMS	34.4	-18.8	.18	51.84	54	-2.16	-	-	5	384	H
4	* 5.15	36.64	RMS	34.4	-18.8	.18	52.42	54	-1.58	-	-	5	384	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.026	46.76	Pk	34.3	-18.6	0	62.46	-	-	74	-11.54	333	376	V
4	* 5.145	35.13	RMS	34.4	-18.8	0	50.73	54	-3.27	-	-	333	376	V
1	* 5.15	43.36	Pk	34.4	-18.8	0.18	59.14	-	-	74	-15.04	333	376	V
3	* 5.15	34.64	RMS	34.4	-18.8	0.18	50.42	54	-3.58	-	-	333	376	V

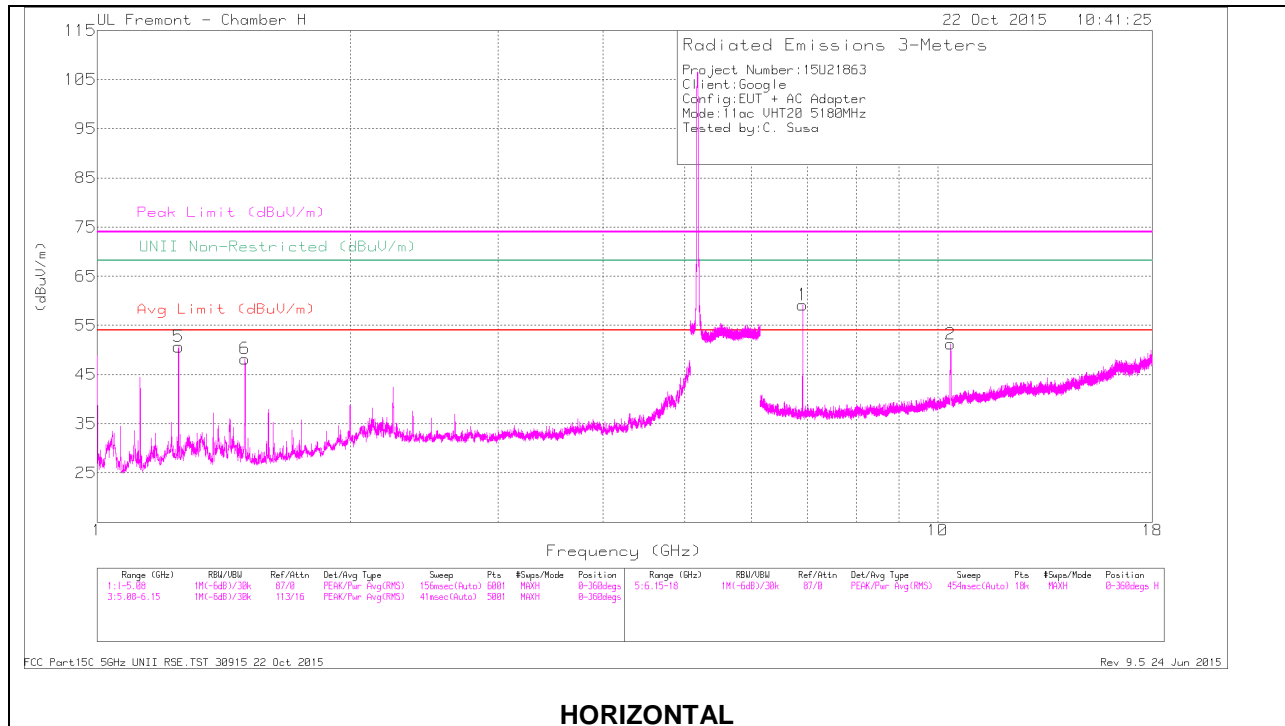
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

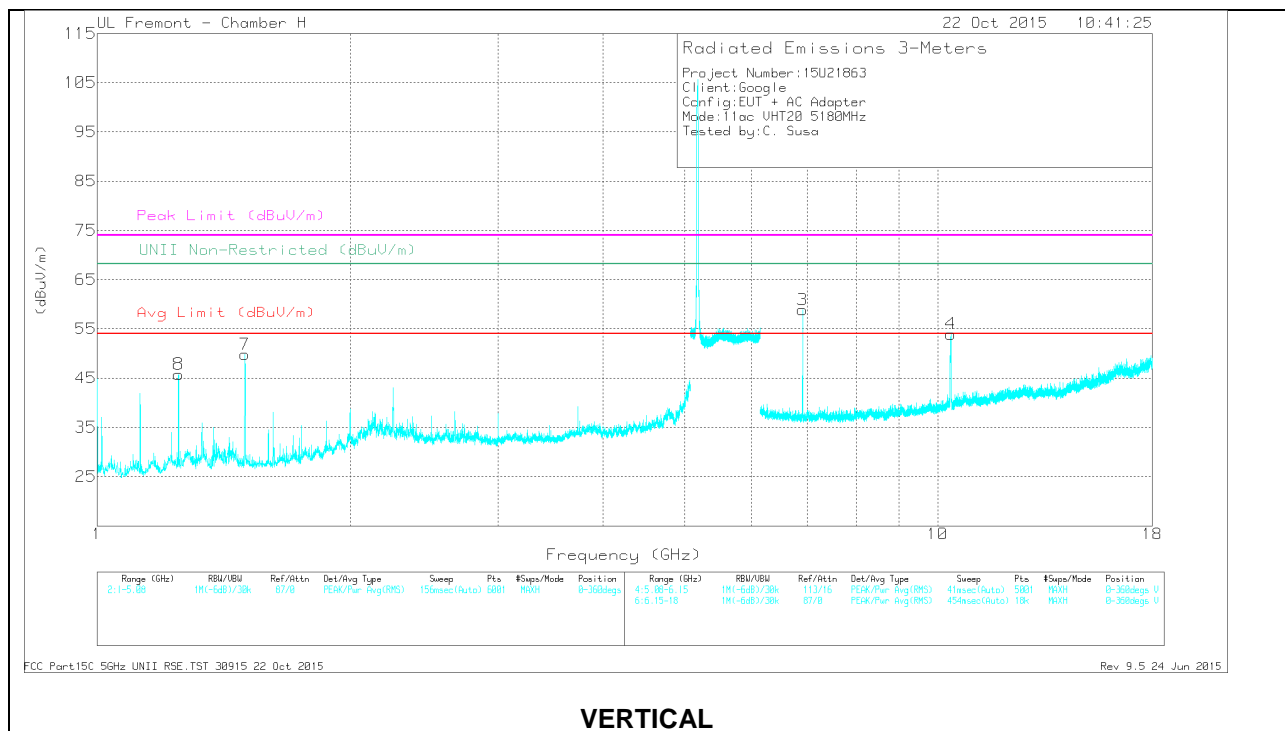
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

LOW CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 1.25	59.23	PK-U	28.5	-34.5	0	53.23	-	-	74	-20.77	-	-	255	200	H
	1.25	55.49	ADR	28.5	-34.5	.18	49.67	54	-4.33	-	-	-	-	255	200	H
6	* 1.5	59.56	PK-U	28.1	-34.1	0	53.56	-	-	74	-20.44	-	-	332	361	H
	1.5	52.93	ADR	28.1	-34.1	.18	47.11	54	-6.89	-	-	-	-	332	361	H
7	* 1.5	62.41	PK-U	28.1	-34.1	0	56.41	-	-	74	-17.59	-	-	11	220	V
	1.5	56.35	ADR	28.1	-34.1	.18	50.53	54	-3.47	-	-	-	-	11	220	V
8	* 1.25	56.31	PK-U	28.5	-34.5	0	50.31	-	-	74	-23.69	-	-	297	251	V
	1.25	53.84	ADR	28.5	-34.5	.18	48.02	54	-5.98	-	-	-	-	297	251	V
1	6.907	54.51	PK-U	35.8	-29.5	0	60.81	-	-	-	-	68.2	-7.39	78	388	H
3	6.907	52.52	PK-U	35.8	-29.5	0	58.82	-	-	-	-	68.2	-9.38	175	202	V
4	10.358	48.47	PK-U	37.2	-24.8	0	60.87	-	-	-	-	68.2	-7.33	356	229	V
2	10.367	47.46	PK-U	37.2	-24.9	0	59.76	-	-	-	-	68.2	-8.44	339	115	H

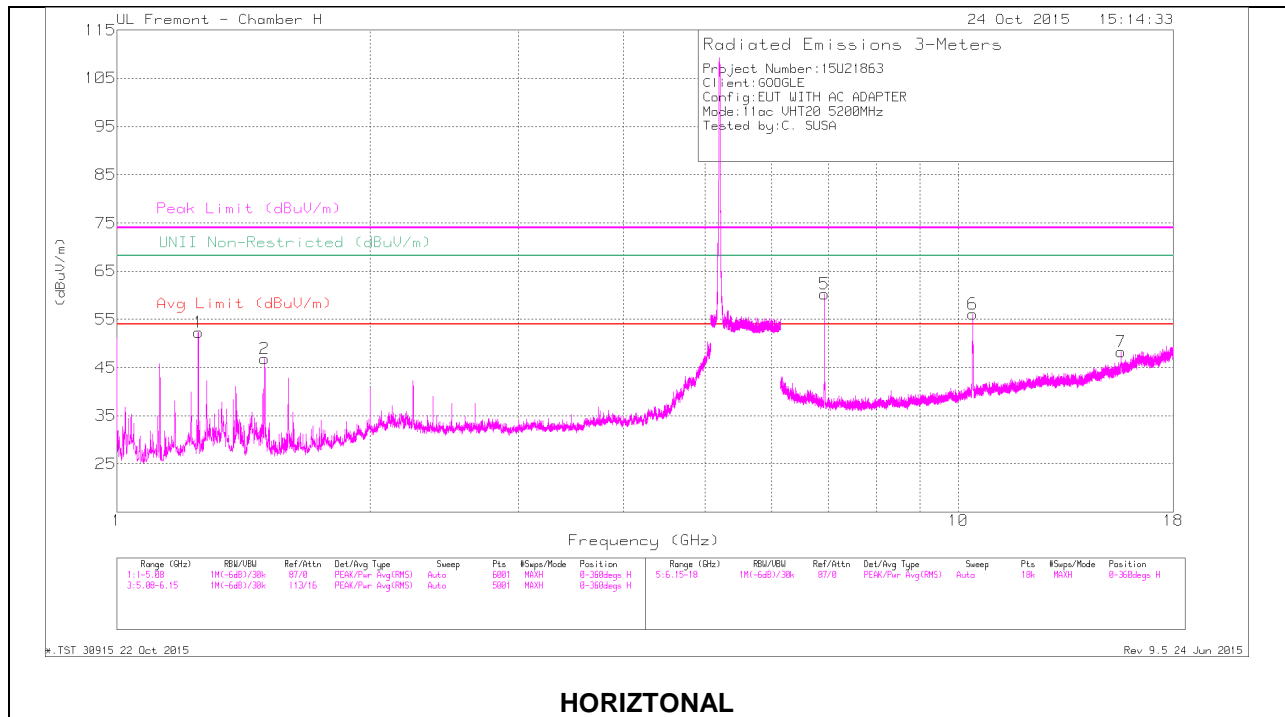
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

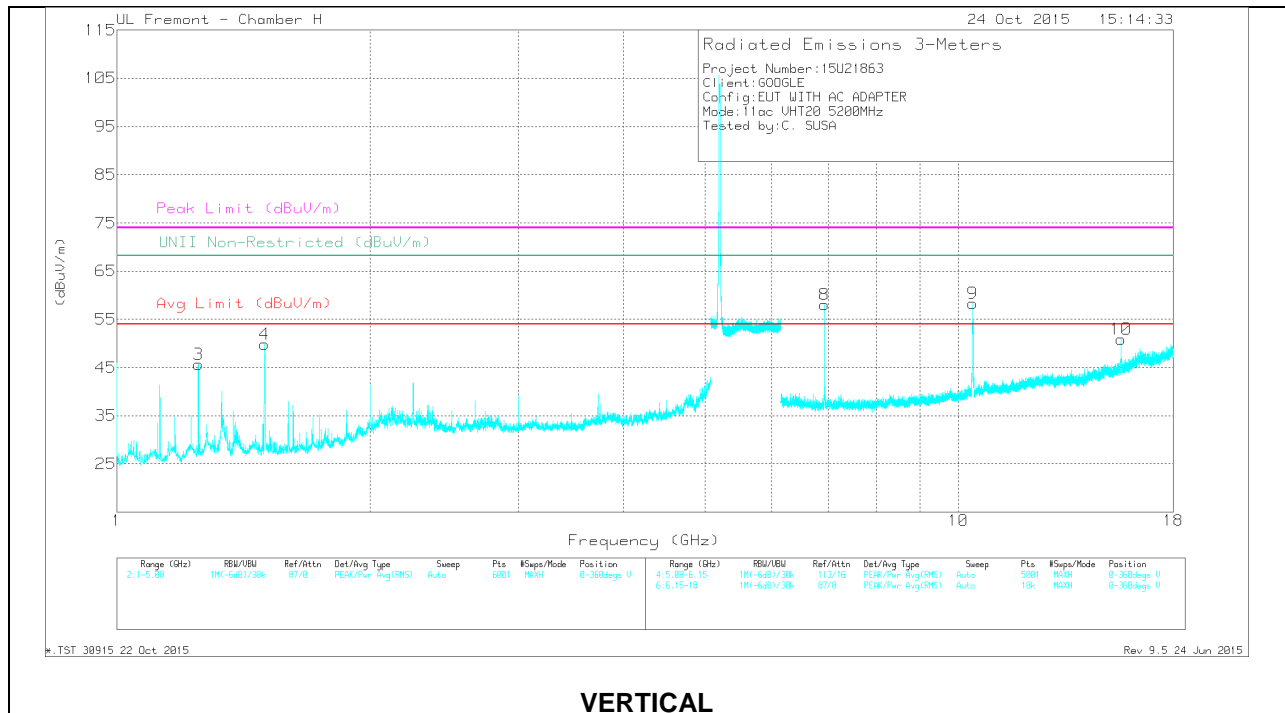
ADR - U-NII AD primary method, RMS average



### MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

MID CHANNEL DATA

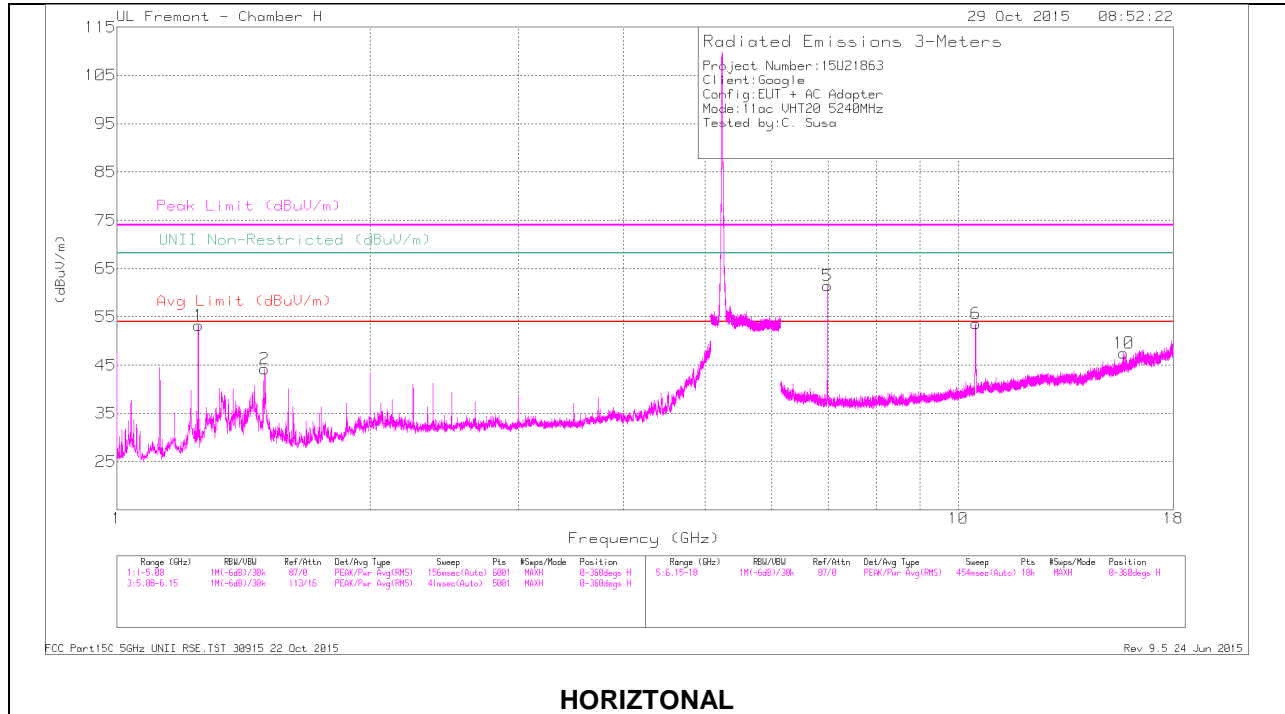
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	60.67	PK-U	28.5	-34.5	0	54.67	-	-	74	-19.33	-	-	71	128	H
	* 1.25	58.53	ADR	28.5	-34.5	.18	52.71	54	-1.29	-	-	-	-	71	128	H
2	* 1.5	59.42	PK-U	28.1	-34.1	0	53.42	-	-	74	-20.58	-	-	148	130	H
	* 1.5	53.2	ADR	28.1	-34.1	.18	47.38	54	-6.62	-	-	-	-	148	130	H
3	* 1.25	57.5	PK-U	28.5	-34.5	0	51.5	-	-	74	-22.5	-	-	331	377	V
	* 1.25	55.74	ADR	28.5	-34.5	.18	49.92	54	-4.08	-	-	-	-	331	377	V
4	* 1.5	62.85	PK-U	28.1	-34.1	0	56.85	-	-	74	-17.15	-	-	21	226	V
	* 1.5	56.66	ADR	28.1	-34.1	.18	50.84	54	-3.16	-	-	-	-	21	226	V
7	* 15.61	41.53	PK-U	40.9	-22.4	0	60.03	-	-	74	-13.97	-	-	30	273	H
	* 15.61	29.08	ADR	40.9	-22.4	.18	47.76	54	-6.24	-	-	-	-	30	273	H
10	* 15.597	44.37	PK-U	40.9	-22.7	0	62.57	-	-	74	-11.43	-	-	111	245	V
	* 15.597	30.64	ADR	40.9	-22.7	.18	49.02	54	-4.98	-	-	-	-	111	245	V
5	6.933	55.94	PK-U	35.8	-29.5	0	62.24	-	-	-	-	68.2	-5.96	92	101	H
8	6.933	54.15	PK-U	35.8	-29.5	0	60.45	-	-	-	-	68.2	-7.75	30	180	V
9	10.397	47.56	PK-U	37.3	-24.8	0	60.06	-	-	-	-	68.2	-8.14	92	370	V
6	10.403	49.55	PK-U	37.3	-24.9	0	61.95	-	-	-	-	68.2	-6.25	72	107	H

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

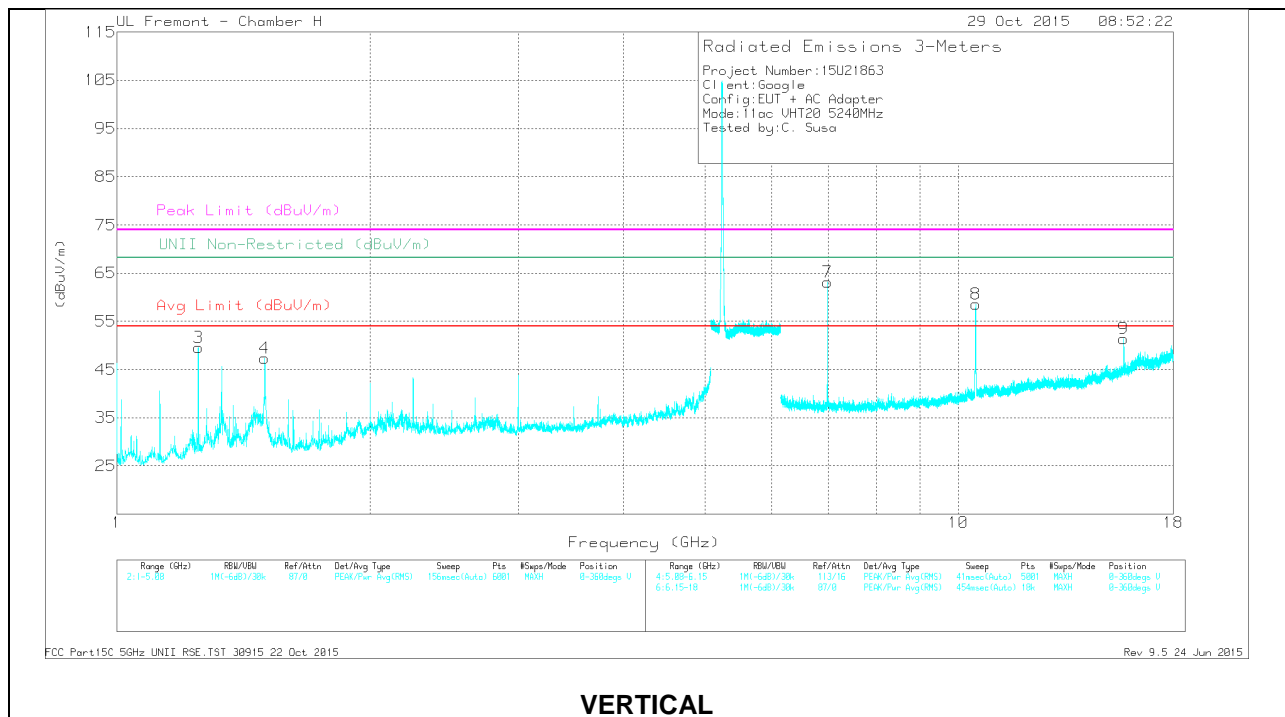
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

HIGH CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	59.3	PK-U	28.5	-34.5	0	53.3	-	-	74	-20.7	-	-	191	100	H
	1.25	57.43	ADR	28.5	-34.5	.18	51.61	54	-2.39	-	-	-	-	191	100	H
2	* 1.5	57.72	PK-U	28.1	-34.1	0	51.72	-	-	74	-22.28	-	-	132	143	H
	1.5	47.39	ADR	28.1	-34.1	.18	41.57	54	-12.43	-	-	-	-	132	143	H
3	* 1.25	56.39	PK-U	28.5	-34.5	0	50.39	-	-	74	-23.61	-	-	42	100	V
	1.25	54.41	ADR	28.5	-34.5	.18	48.59	54	-5.41	-	-	-	-	42	100	V
4	* 1.5	57.4	PK-U	28.1	-34.1	0	51.4	-	-	74	-22.6	-	-	16	161	V
	1.5	47.2	ADR	28.1	-34.1	.18	41.38	54	-12.62	-	-	-	-	16	161	V
10	* 15.721	38.56	PK-U	40.9	-22.3	0	57.16	-	-	74	-16.84	-	-	53	293	H
	15.722	25.77	ADR	40.9	-22.3	.18	44.55	54	-9.45	-	-	-	-	53	293	H
9	* 15.719	39.45	PK-U	40.9	-22.3	0	58.05	-	-	74	-15.95	-	-	64	185	V
	15.72	26.5	ADR	40.9	-22.3	.18	45.28	54	-8.72	-	-	-	-	64	185	V
5	6.987	54.03	PK-U	35.8	-28.7	0	61.13	-	-	-	-	68.2	-7.07	115	100	H
7	6.987	53.66	PK-U	35.8	-28.7	0	60.76	-	-	-	-	68.2	-7.44	31	192	V
6	10.482	49.65	PK-U	37.4	-24.8	0	62.25	-	-	-	-	68.2	-5.95	298	185	H
8	10.482	52	PK-U	37.4	-24.8	0	64.6	-	-	-	-	68.2	-3.6	9	131	V

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

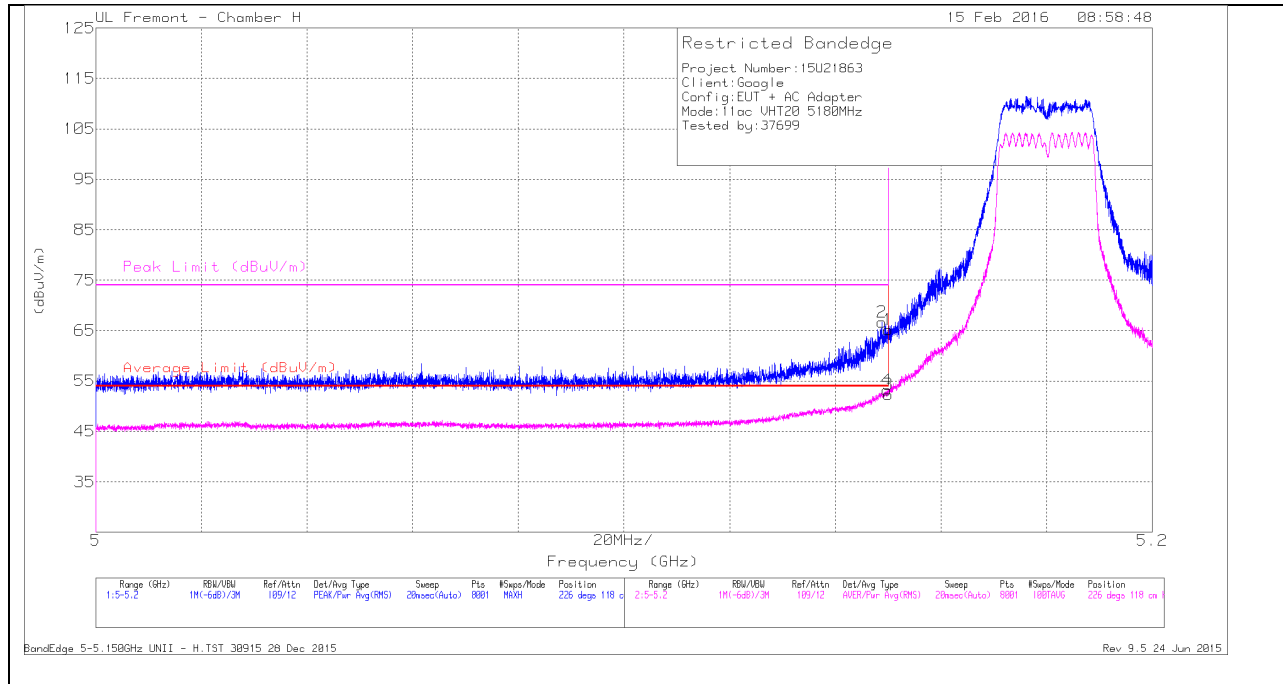
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**4Tx 1 STREAM CDD MODE**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULTS**



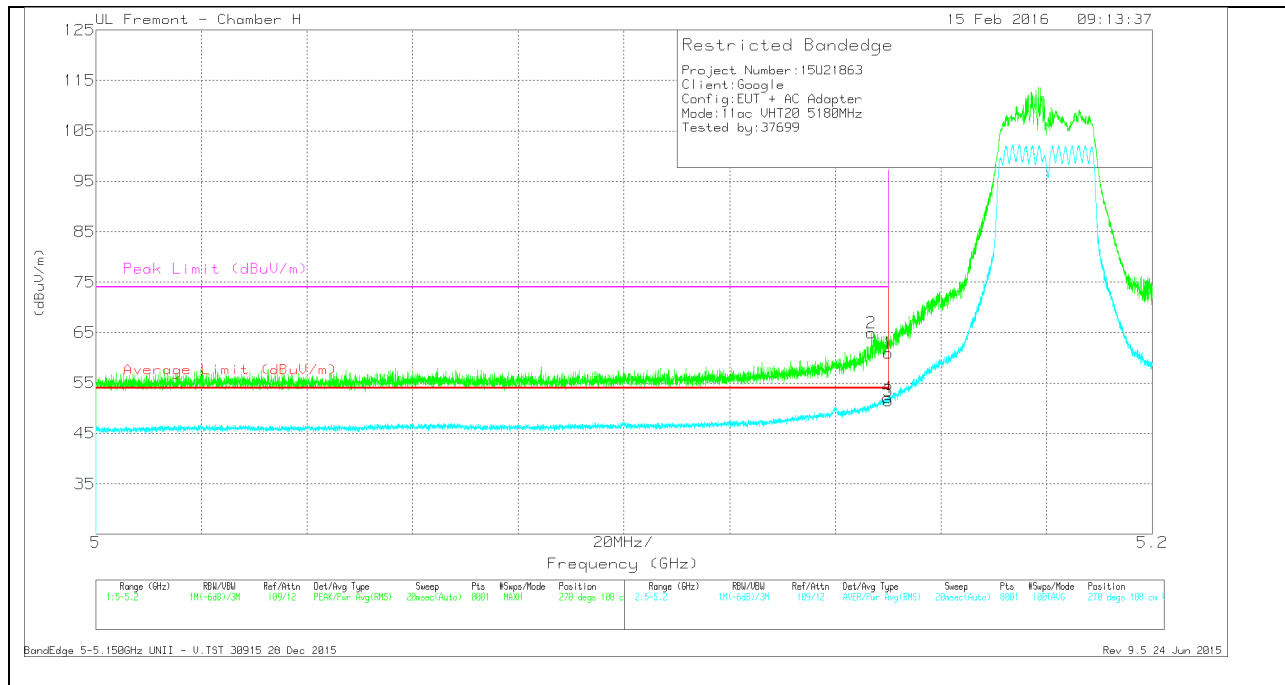
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	49.23	Pk	34.4	-18.5	65.13	-	-	74	-8.87	226	118	H
2	* 5.149	50.74	Pk	34.4	-18.5	66.64	-	-	74	-7.36	226	118	H
3	* 5.15	36.48	RMS	34.4	-18.5	52.38	54	-1.62	-	-	226	118	H
4	* 5.15	37.37	RMS	34.4	-18.5	53.27	54	-0.73	-	-	226	118	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.99	Pk	34.4	-18.5	60.89	-	-	74	-13.11	270	108	V
2	* 5.147	48.98	Pk	34.4	-18.4	64.98	-	-	74	-9.02	270	108	V
3	* 5.15	35.59	RMS	34.4	-18.5	51.49	54	-2.51	-	-	270	108	V
4	* 5.15	36.17	RMS	34.4	-18.5	52.07	54	-1.93	-	-	270	108	V

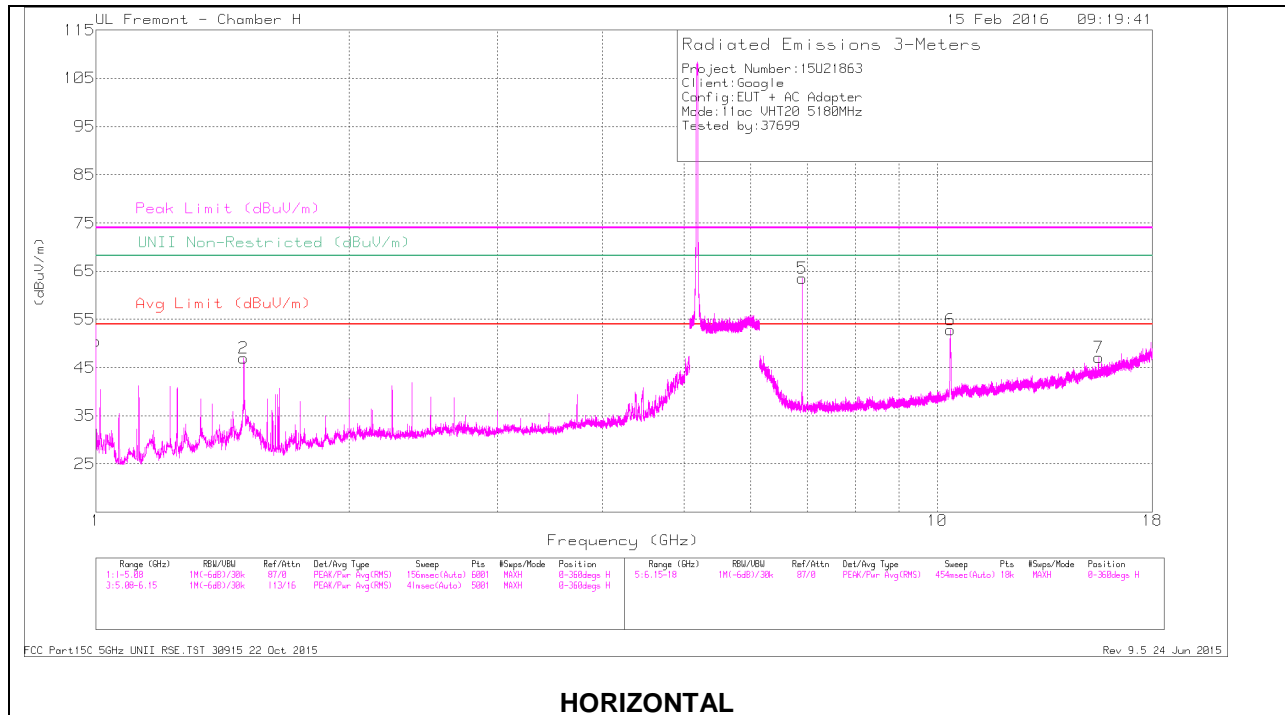
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

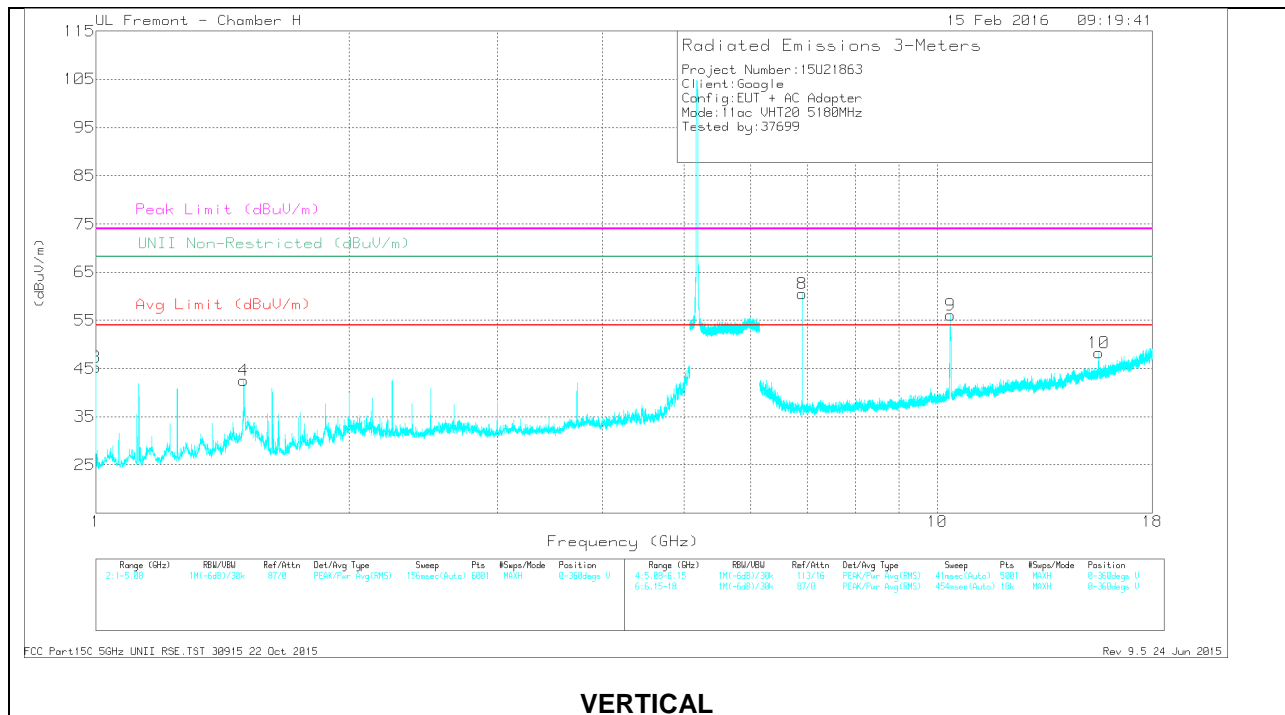
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

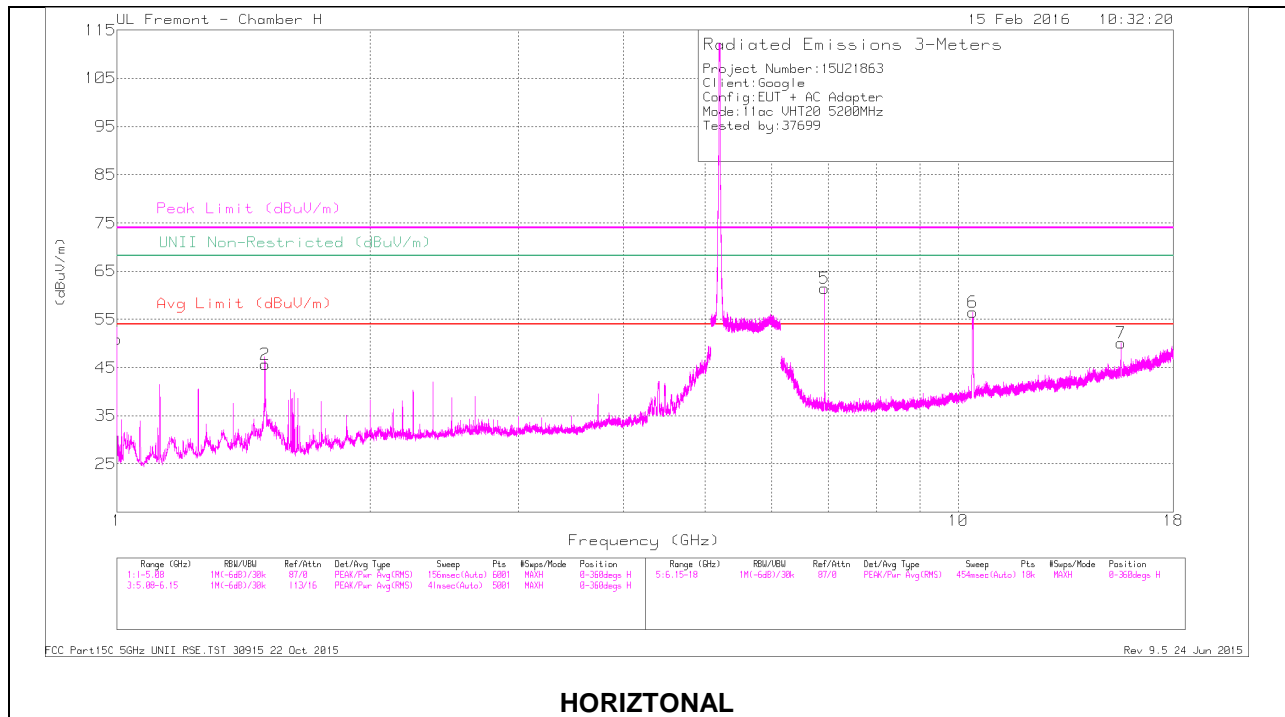
LOW CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	63.09	PK-U	27	-34.2	55.89	-	-	74	-18.11	-	-	228	250	H
	* 1	60.98	ADR	27	-34.2	53.78	54	-2.22	-	-	-	-	228	250	H
2	* 1.5	59.63	PK-U	28.1	-34.3	53.43	-	-	74	-20.57	-	-	354	144	H
	* 1.5	51.58	ADR	28.1	-34.3	45.38	54	-8.62	-	-	-	-	354	144	H
3	* 1	59.13	PK-U	27	-34.2	51.93	-	-	74	-22.07	-	-	255	312	V
	* 1	56.85	ADR	27	-34.2	49.65	54	-4.35	-	-	-	-	255	312	V
4	* 1.5	58.16	PK-U	28.1	-34.3	51.96	-	-	74	-22.04	-	-	273	382	V
	* 1.5	48.08	ADR	28.1	-34.3	41.88	54	-12.12	-	-	-	-	273	382	V
7	* 15.546	37.99	PK-U	40.8	-21.6	57.19	-	-	74	-16.81	-	-	284	236	H
	* 15.54	25.7	ADR	40.8	-21.6	44.9	54	-9.1	-	-	-	-	284	236	H
10	* 15.547	39.73	PK-U	40.8	-21.6	58.93	-	-	74	-15.07	-	-	349	214	V
	* 15.541	26.74	ADR	40.8	-21.6	45.94	54	-8.06	-	-	-	-	349	214	V
5	6.907	56.49	PK-U	35.8	-27.6	64.69	-	-	-	-	68.2	-3.51	338	100	H
9	6.907	53.08	PK-U	35.8	-27.6	61.28	-	-	-	-	68.2	-6.92	57	231	V
9	10.361	50.51	PK-U	37.2	-23.4	64.31	-	-	-	-	68.2	-3.89	150	107	V
6	10.365	46.68	PK-U	37.2	-23.4	60.48	-	-	-	-	68.2	-7.72	182	214	H

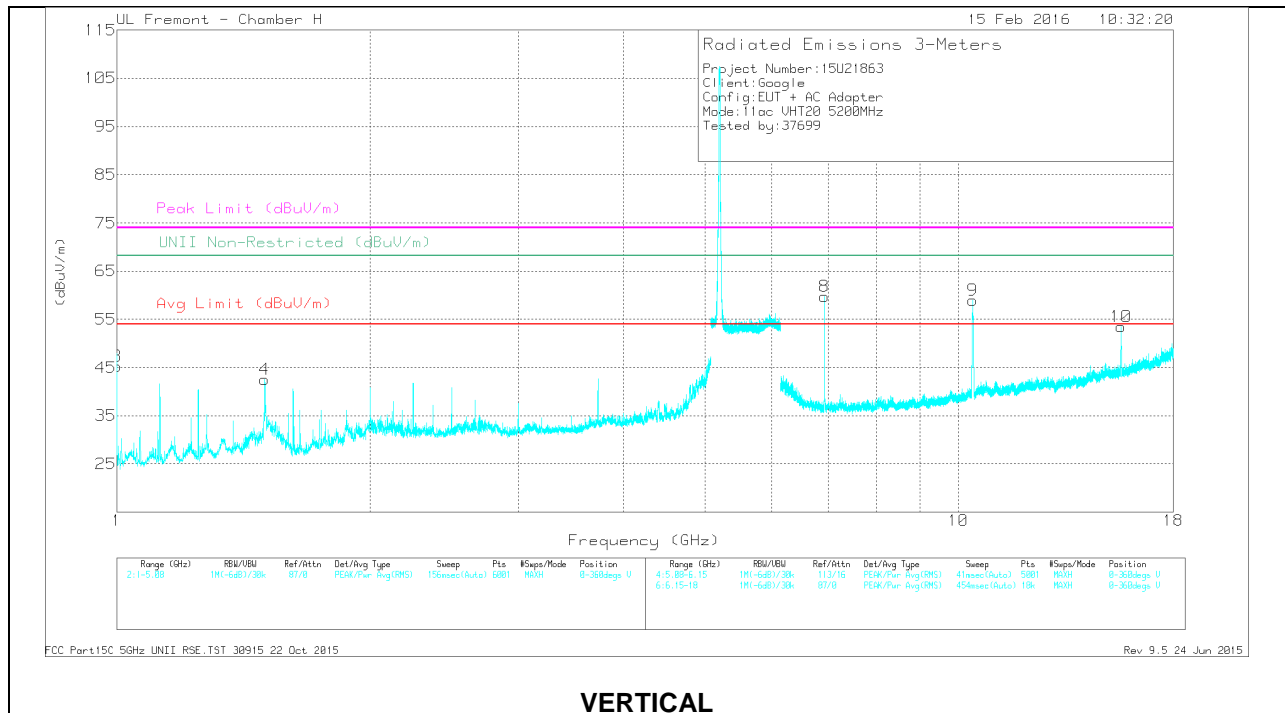
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average



### MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

MID CHANNEL DATA

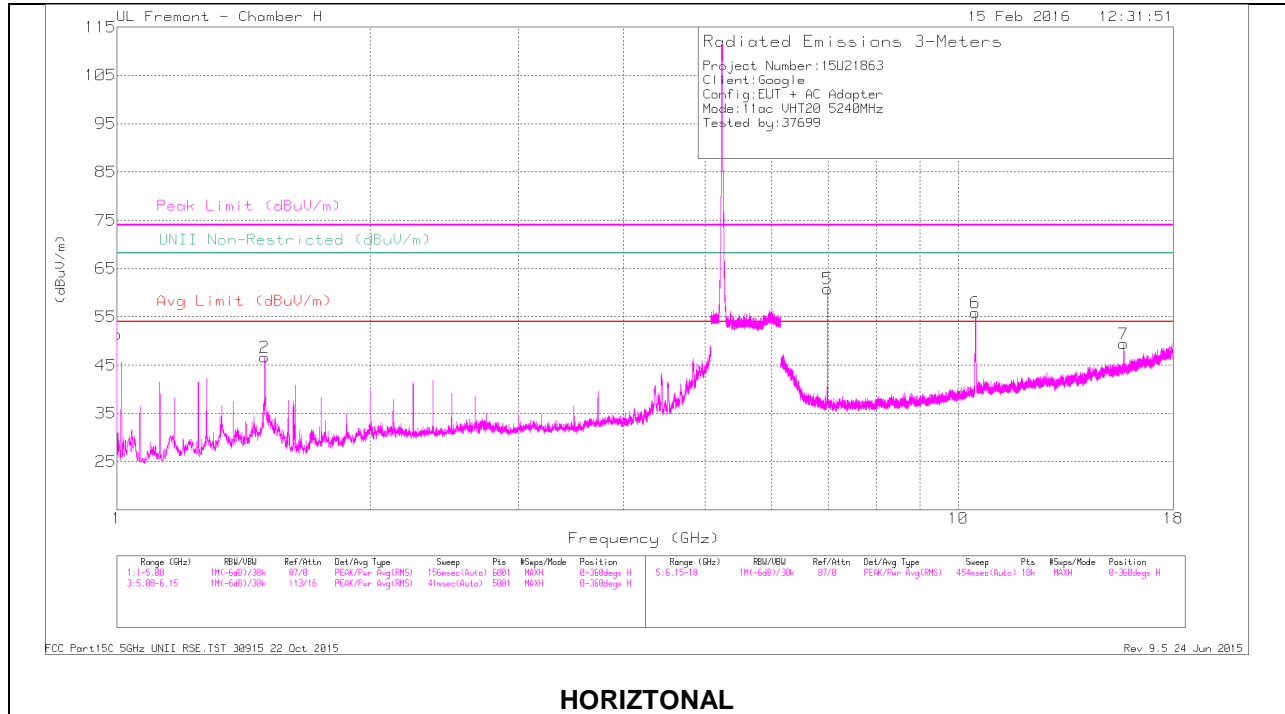
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	63.21	PK-U	27	-34.2	56.01	-	-	74	-17.99	-	-	231	256	H
	* 1	61	ADR	27	-34.2	53.8	54	-2	-	-	-	-	231	256	H
2	* 1.5	60.5	PK-U	28.1	-34.3	54.3	-	-	74	-19.7	-	-	348	266	H
	* 1.5	51.85	ADR	28.1	-34.3	45.65	54	-8.35	-	-	-	-	348	266	H
3	* 1	59.57	PK-U	27	-34.2	52.37	-	-	74	-21.63	-	-	257	315	V
	* 1	57.22	ADR	27	-34.2	50.02	54	-3.98	-	-	-	-	257	315	V
4	* 1.5	57.2	PK-U	28.1	-34.3	51	-	-	74	-23	-	-	194	280	V
	* 1.5	48.44	ADR	28.1	-34.3	42.24	54	-11.76	-	-	-	-	194	280	V
7	* 15.595	42.3	PK-U	40.9	-21.7	61.5	-	-	74	-12.5	-	-	281	220	H
	* 15.601	30.36	ADR	40.9	-21.7	49.56	54	-4.44	-	-	-	-	281	220	H
10	* 15.609	43.48	PK-U	40.9	-21.7	62.68	-	-	74	-11.32	-	-	2	101	V
	* 15.599	31.4	ADR	40.9	-21.8	50.5	54	-3.5	-	-	-	-	2	101	V
5	6.933	53.91	PK-U	35.8	-27.6	62.11	-	-	-	-	68.2	-6.09	153	207	H
8	6.933	52.86	PK-U	35.8	-27.6	61.06	-	-	-	-	68.2	-7.14	209	214	V
9	10.398	53.31	PK-U	37.3	-23.1	67.51	-	-	-	-	68.2	-6.9	154	111	V
6	10.401	50.88	PK-U	37.3	-23.2	64.98	-	-	-	-	68.2	-3.22	193	154	H

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

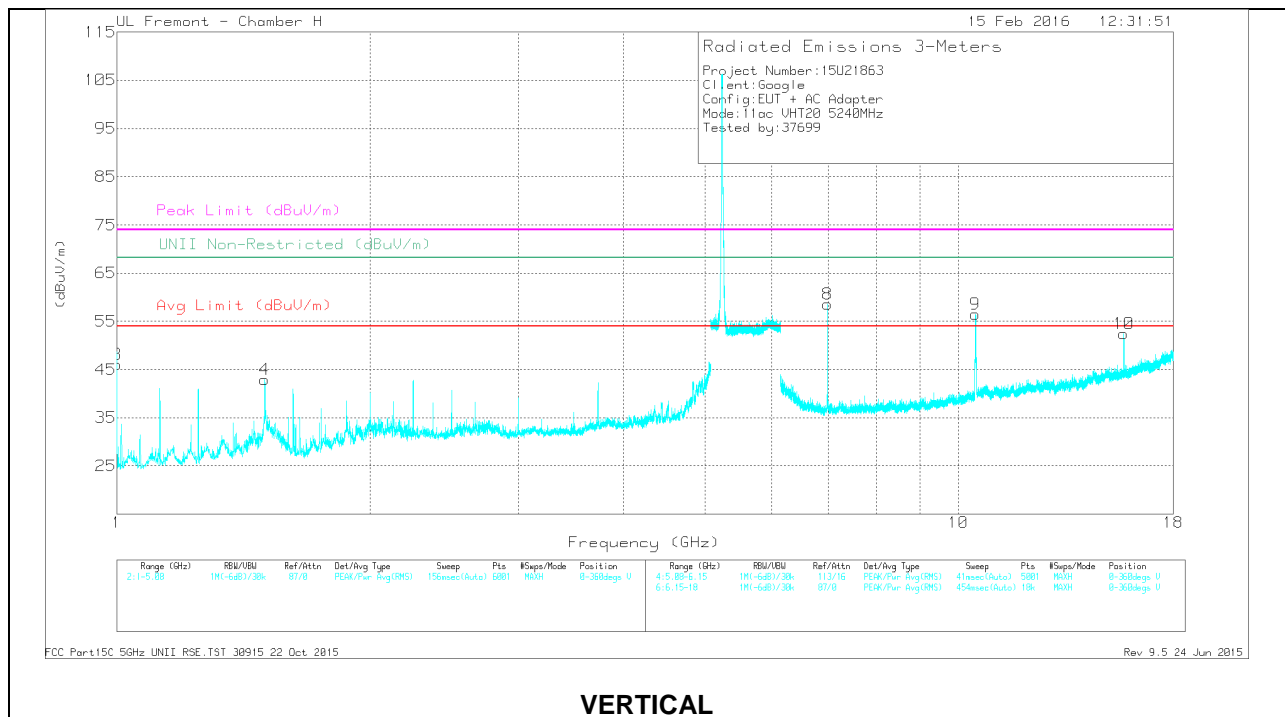
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

HIGH CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	63.39	PK-U	27	-34.2	56.19	-	-	74	-17.81	-	-	225	256	H
	* 1	60.86	ADR	27	-34.2	53.66	54	-3.4	-	-	-	-	225	256	H
2	* 1.5	59.28	PK-U	28.1	-34.3	53.08	-	-	74	-20.92	-	-	349	140	H
	* 1.5	51.7	ADR	28.1	-34.3	45.5	54	-8.5	-	-	-	-	349	140	H
3	* 1	59.89	PK-U	27	-34.2	52.69	-	-	74	-21.31	-	-	258	302	V
	* 1	57.83	ADR	27	-34.2	50.63	54	-3.37	-	-	-	-	258	302	V
4	* 1.5	57.16	PK-U	28.1	-34.3	50.96	-	-	74	-23.04	-	-	194	283	V
	* 1.5	48.21	ADR	28.1	-34.3	42.01	54	-11.99	-	-	-	-	194	283	V
7	* 15.716	42.4	PK-U	40.9	-21.7	61.6	-	-	74	-12.4	-	-	194	375	H
	* 15.72	28.22	ADR	40.9	-21.7	47.42	54	-6.58	-	-	-	-	194	375	H
10	* 15.717	41.59	PK-U	40.9	-21.7	60.79	-	-	74	-13.21	-	-	289	103	V
	* 15.723	26.21	ADR	40.9	-21.7	45.41	54	-8.59	-	-	-	-	289	103	V
5	6.987	53.66	PK-U	35.8	-26.8	62.66	-	-	-	-	68.2	-5.54	137	383	H
8	6.987	50.97	PK-U	35.8	-26.8	59.97	-	-	-	-	68.2	-8.23	20	214	V
9	10.476	51.85	PK-U	37.4	-23.6	65.65	-	-	-	-	68.2	-2.55	266	116	V
6	10.481	52.07	PK-U	37.4	-23.5	65.97	-	-	-	-	68.2	-2.23	191	194	H

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

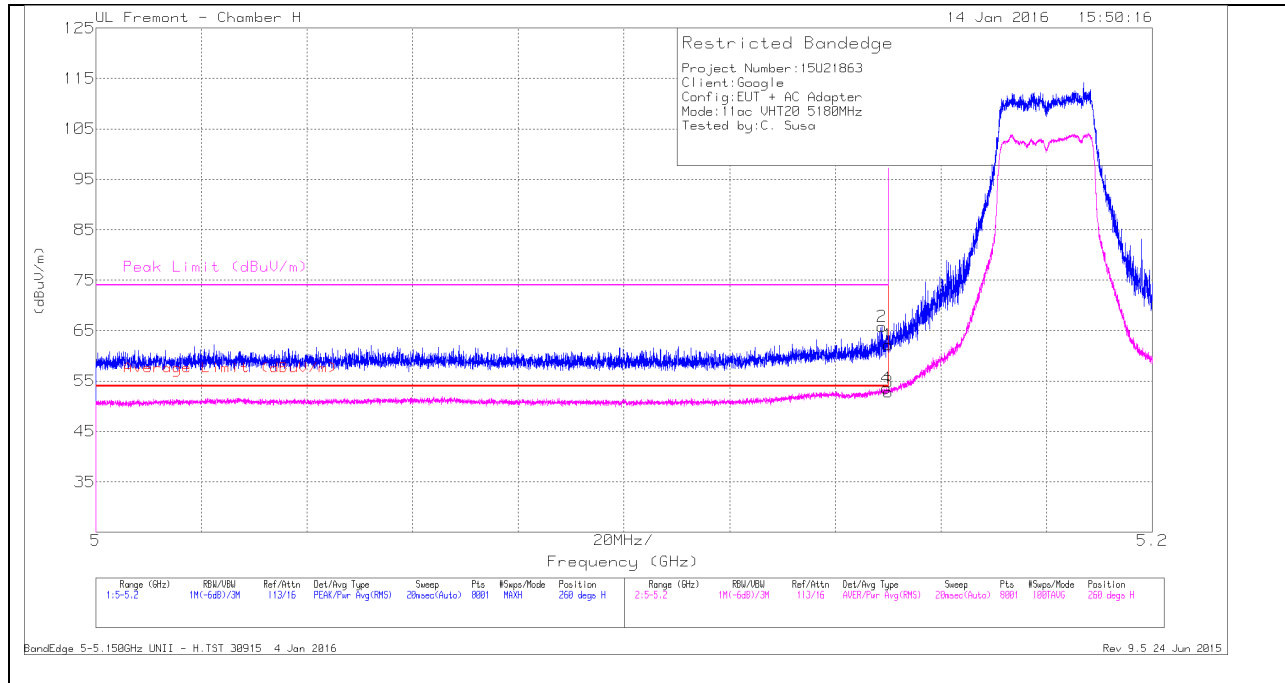
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**4Tx 3 STREAM BF MODE**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

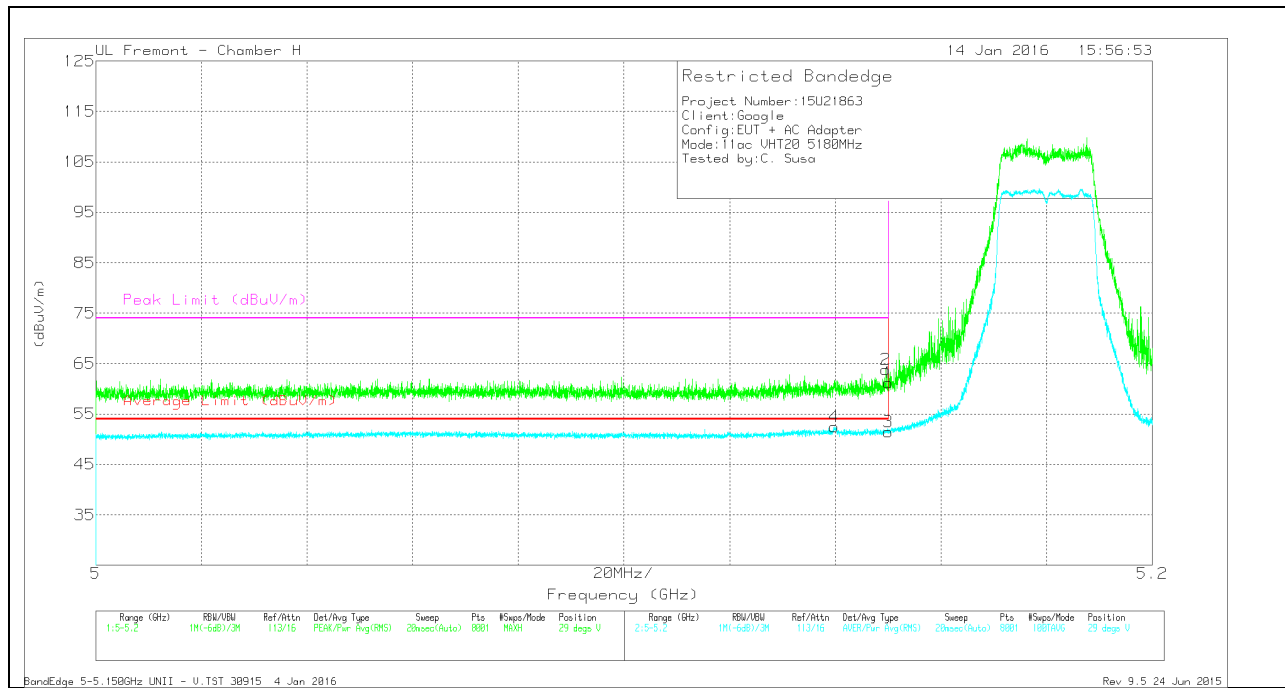
**HORIZONTAL RESULTS**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.149	49.88	Pk	34.4	-18.5	0	65.78	-	-	74	-8.22	260	244	H
1	* 5.15	46.29	Pk	34.4	-18.5	0	62.19	-	-	74	-11.81	260	244	H
3	* 5.15	36.46	RMS	34.4	-18.5	.49	52.85	54	-1.15	-	-	260	244	H
4	* 5.15	37.17	RMS	34.4	-18.5	.49	53.56	54	-.44	-	-	260	244	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.14	35.96	RMS	34.4	-18.4	.49	52.45	54	-1.55	-	-	29	269	V
1	* 5.15	45.3	Pk	34.4	-18.5	0	61.2	-	-	74	-12.8	29	269	V
2	* 5.15	47.86	Pk	34.4	-18.5	0	63.76	-	-	74	-10.24	29	269	V
3	* 5.15	35.13	RMS	34.4	-18.5	.49	51.52	54	-2.48	-	-	29	269	V

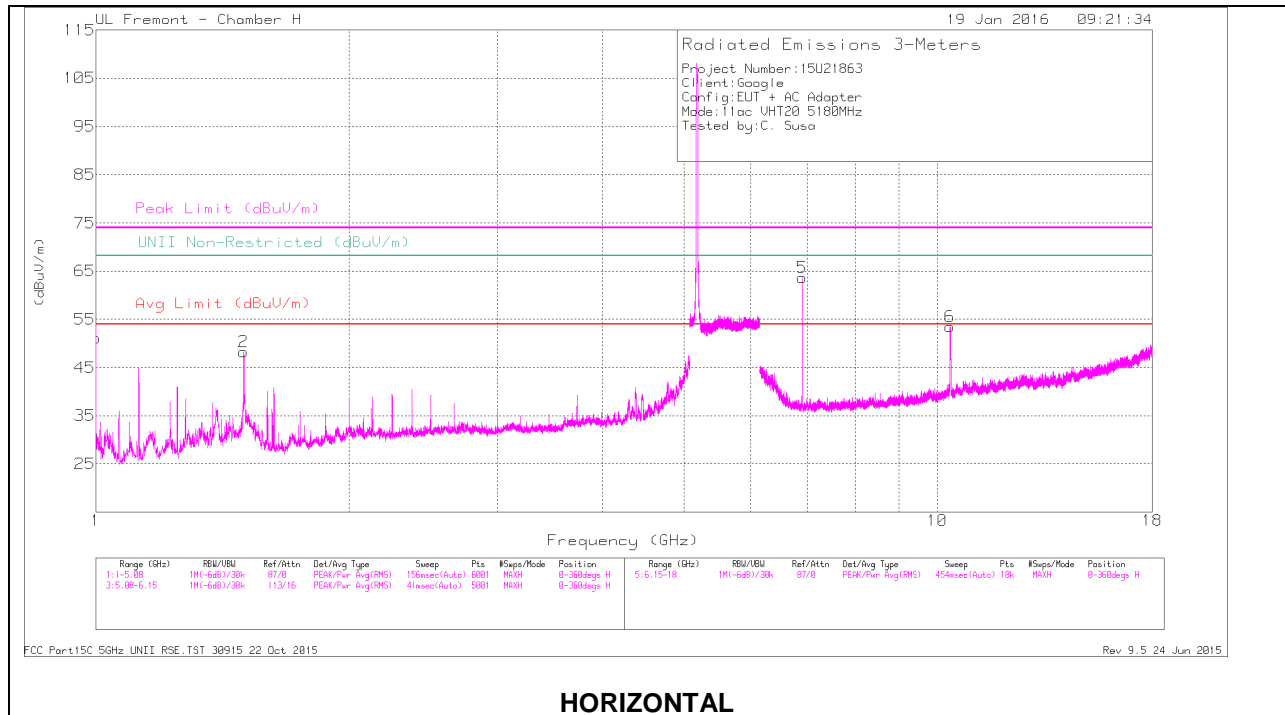
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

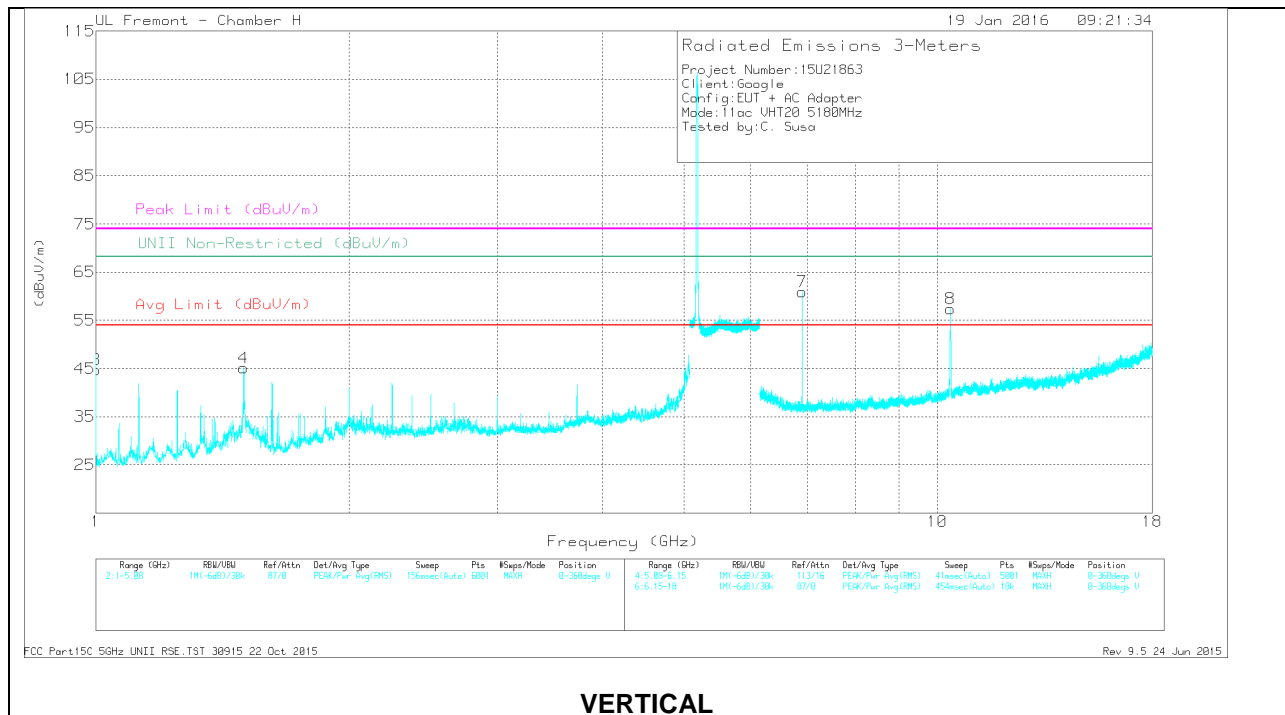
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

**LOW CHANNEL DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/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	62.32	PK-U	27	-34.2	0	55.12	-	-	74	-18.68	-	-	272	172	H
	* 1	58.36	ADR	27	-34.2	.49	51.65	54	-2.35	-	-	-	-	272	172	H
2	* 1.5	61.02	PK-U	28.1	-34.3	0	54.82	-	-	74	-19.18	-	-	0	207	H
	* 1.5	53.25	ADR	28.1	-34.3	.49	47.54	54	-6.46	-	-	-	-	0	207	H
3	* 1	58.59	PK-U	27	-34.2	0	51.39	-	-	74	-22.61	-	-	246	328	V
	* 1	55.68	ADR	27	-34.2	.49	48.97	54	-5.03	-	-	-	-	246	328	V
4	* 1.5	60.09	PK-U	28.1	-34.3	0	53.89	-	-	74	-20.11	-	-	200	286	V
	* 1.5	51.2	ADR	28.1	-34.3	.49	45.49	54	-8.51	-	-	-	-	200	286	V
5	6.907	55.74	PK-U	35.8	-27.6	0	63.94	-	-	-	-	68.2	-4.26	336	103	H
7	6.907	53.58	PK-U	35.8	-27.6	0	61.78	-	-	-	-	68.2	-6.42	13	184	V
6	10.354	48.74	PK-U	37.2	-23.2	0	62.74	-	-	-	-	68.2	-5.46	181	215	H
8	10.362	48.3	PK-U	37.2	-23.4	0	62.1	-	-	-	-	68.2	-6.1	129	128	V

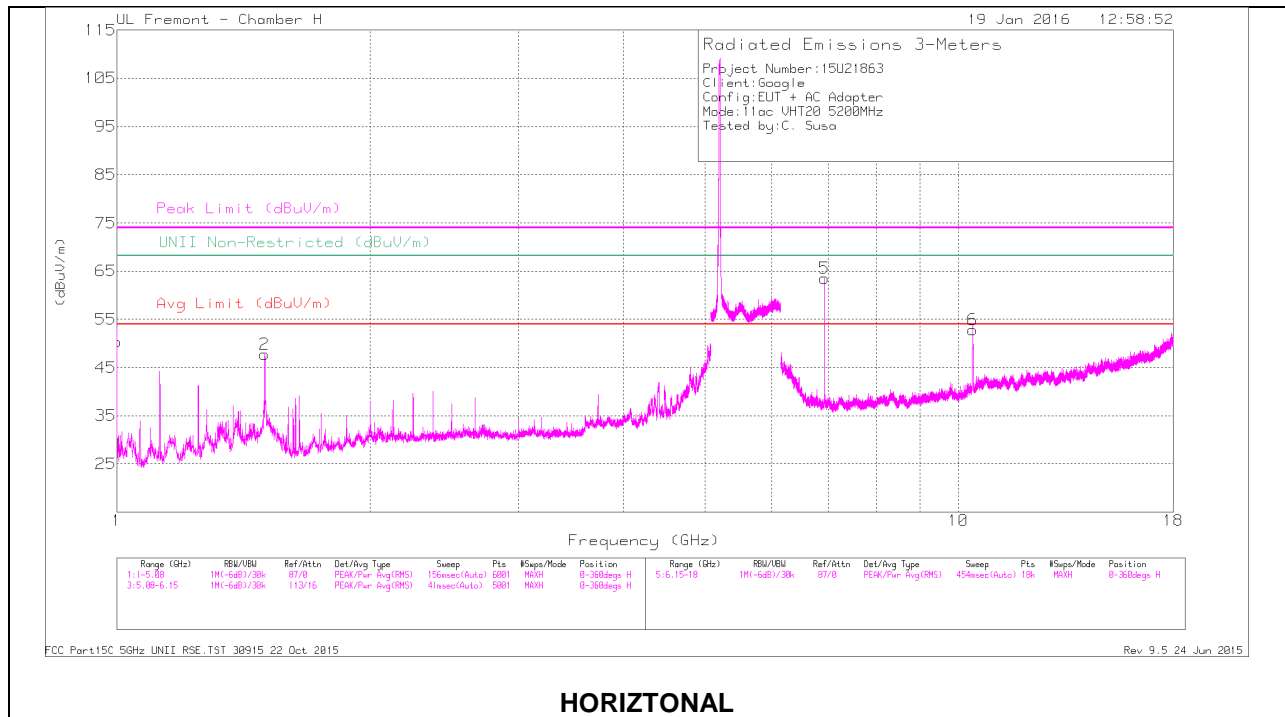
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

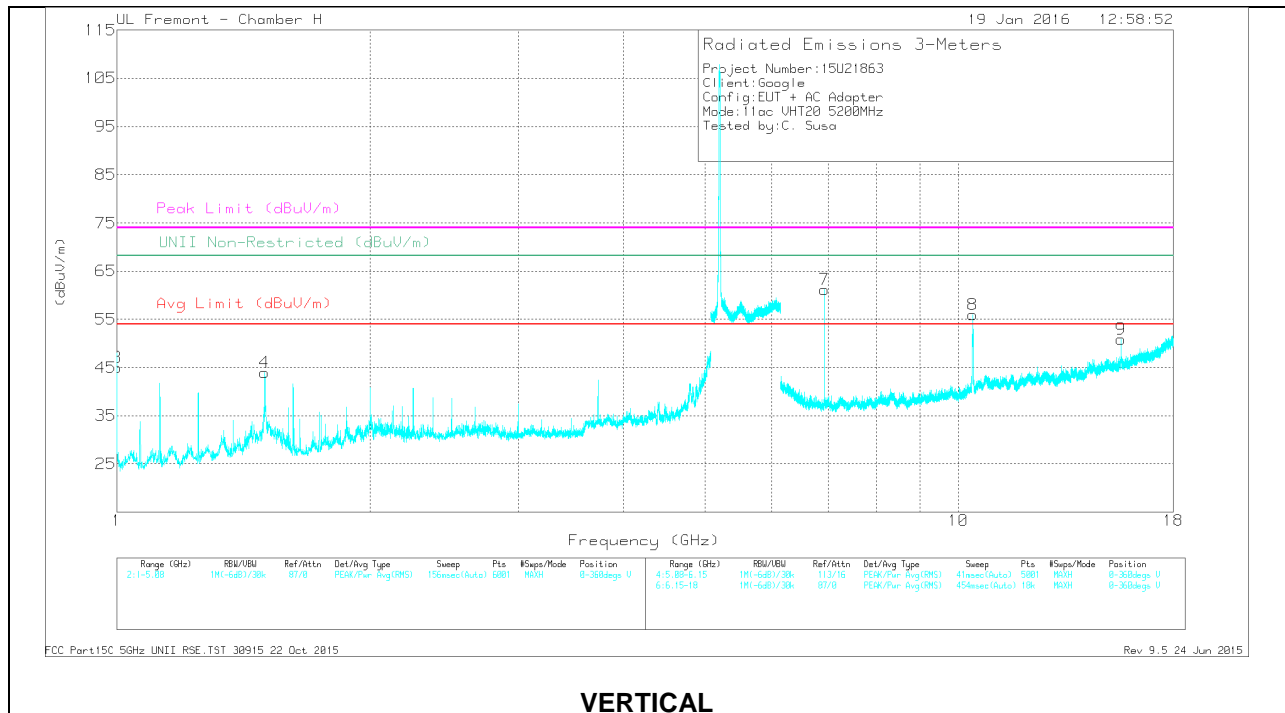
ADR - U-NII AD primary method, RMS average



### MID CHANNEL RESULTS



HORIZONTAL



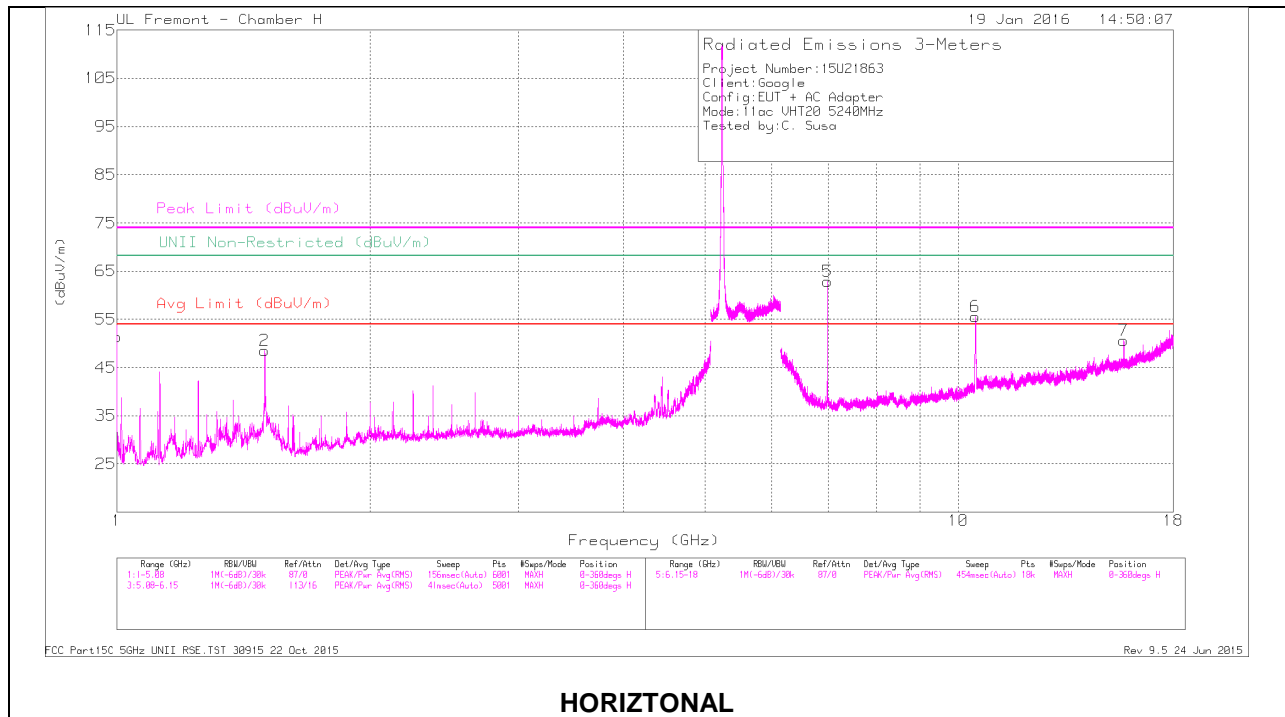
VERTICAL

**MID CHANNEL DATA**

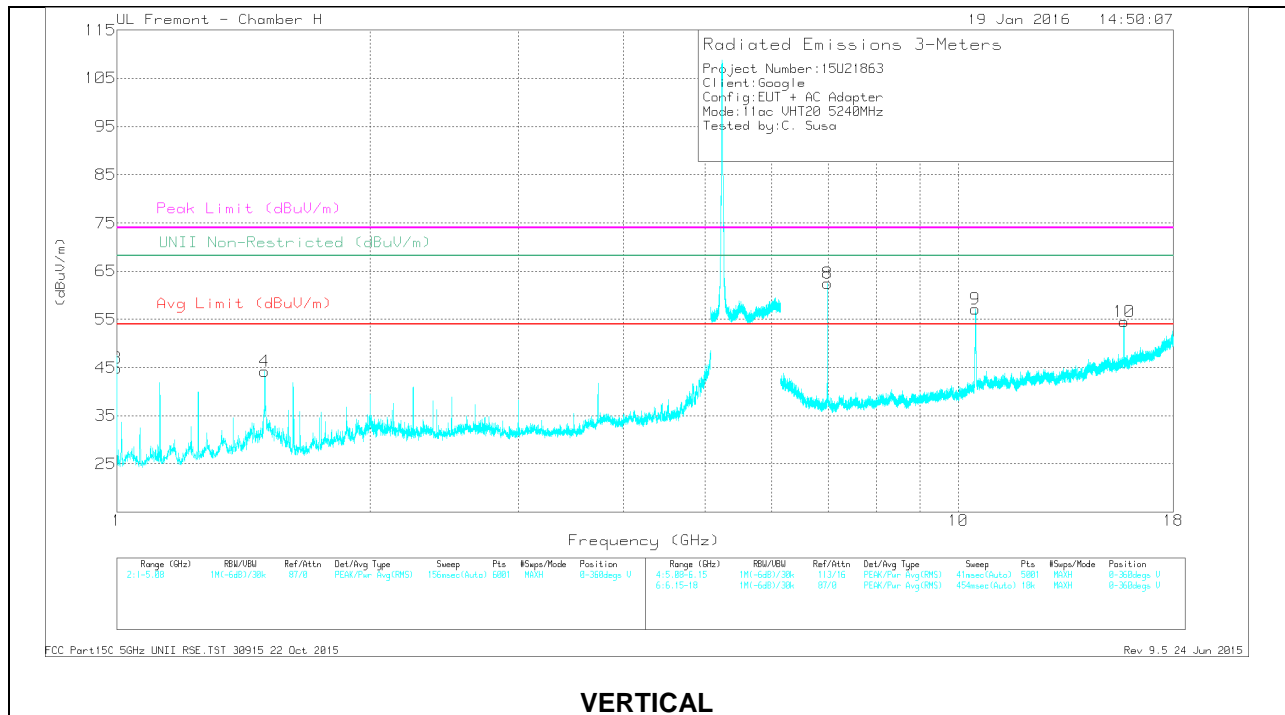
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	63.2	PK-U	27	-34.2	0	56	-	-	74	-18	-	-	196	132	H
	* 1	60.17	ADR	27	-34.2	.49	53.46	54	-5.4	-	-	-	-	196	132	H
2	* 1.5	60.51	PK-U	28.1	-34.3	0	54.31	-	-	74	-19.69	-	-	3	312	H
	* 1.5	53.41	ADR	28.1	-34.3	.49	47.7	54	-6.3	-	-	-	-	3	312	H
3	* 1	60.41	PK-U	27	-34.2	0	53.21	-	-	74	-20.79	-	-	253	312	V
	* 1	57.35	ADR	27	-34.2	.49	50.64	54	-3.36	-	-	-	-	253	312	V
4	* 1.5	59.2	PK-U	28.1	-34.3	0	53	-	-	74	-21	-	-	210	345	V
	* 1.5	50.43	ADR	28.1	-34.3	.49	44.72	54	-9.28	-	-	-	-	210	345	V
9	* 15.603	40.06	PK-U	40.9	-21.7	0	59.26	-	-	74	-14.74	-	-	356	215	V
	* 15.602	26.91	ADR	40.9	-21.7	.49	46.6	54	-7.4	-	-	-	-	356	215	V
5	6.933	56.17	PK-U	35.8	-27.6	0	64.37	-	-	-	-	68.2	-3.83	158	198	H
7	6.933	54.84	PK-U	35.8	-27.6	0	63.04	-	-	-	-	68.2	-5.16	22	181	V
6	10.394	47.11	PK-U	37.3	-23.1	0	61.31	-	-	-	-	68.2	-6.89	0	242	H
8	10.408	53.32	PK-U	37.3	-23.3	0	67.32	-	-	-	-	68.2	-.88	134	108	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

**HIGH CHANNEL DATA**

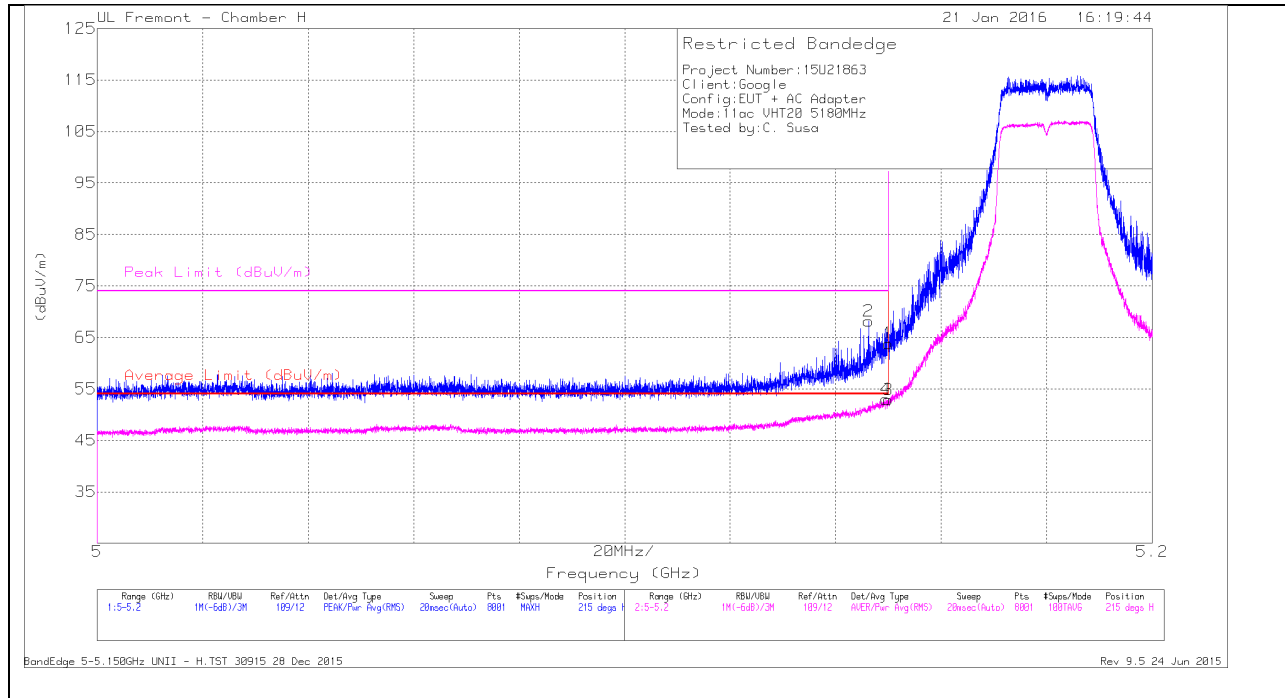
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	63.27	PK-U	27	-34.2	0	56.07	-	-	74	-17.93	-	-	200	128	H
	* 1	59.79	ADR	27	-34.2	.49	53.08	54	-9.2	-	-	-	-	200	128	H
2	* 1.5	60.36	PK-U	28.1	-34.3	0	54.16	-	-	74	-19.84	-	-	4	316	H
	* 1.5	53.25	ADR	28.1	-34.3	.49	47.54	54	-6.46	-	-	-	-	4	316	H
3	* 1	60.5	PK-U	27	-34.2	0	53.3	-	-	74	-20.7	-	-	249	334	V
	* 1	57.4	ADR	27	-34.2	.49	50.69	54	-3.31	-	-	-	-	249	334	V
4	* 1.5	59.03	PK-U	28.1	-34.3	0	52.83	-	-	74	-21.17	-	-	206	356	V
	* 1.5	50.3	ADR	28.1	-34.3	.49	44.59	54	-9.41	-	-	-	-	206	356	V
7	* 15.721	41.23	PK-U	40.9	-21.7	0	60.43	-	-	74	-13.57	-	-	252	249	H
	* 15.721	27.04	ADR	40.9	-21.7	.49	46.73	54	-7.27	-	-	-	-	252	249	H
10	* 15.724	45.79	PK-U	40.9	-21.7	0	64.99	-	-	74	-9.01	-	-	352	214	V
	* 15.722	32.81	ADR	40.9	-21.7	.49	52.5	54	-1.5	-	-	-	-	352	214	V
5	6.987	56.09	PK-U	35.8	-26.8	0	65.09	-	-	-	-	68.2	-3.11	313	400	H
8	6.987	54.02	PK-U	35.8	-26.8	0	63.02	-	-	-	-	68.2	-5.18	19	223	V
6	10.479	47.26	PK-U	37.4	-23.6	0	61.06	-	-	-	-	68.2	-7.14	338	259	H
9	10.482	50.8	PK-U	37.4	-23.5	0	64.7	-	-	-	-	68.2	-3.5	218	302	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**4Tx 1 BF STREAM MODE**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

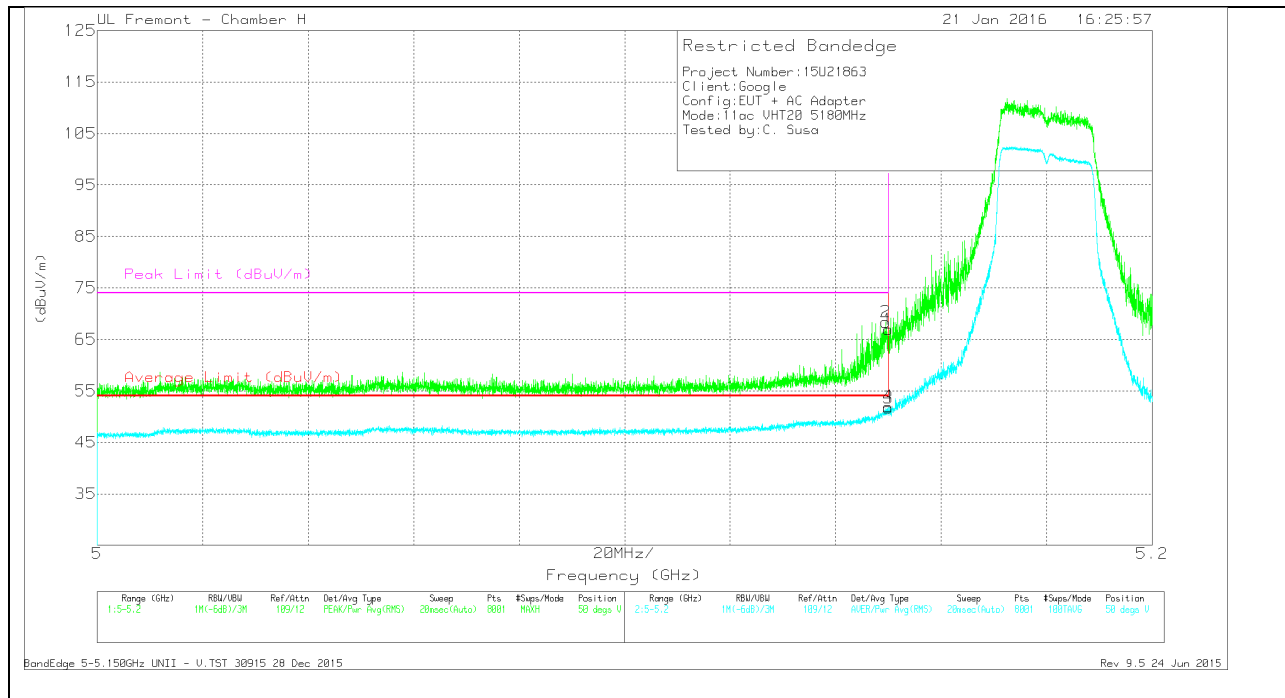
**HORIZONTAL RESULTS**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.146	52.17	Pk	34.4	-18.4	0	68.17	-	-	74	-5.83	215	255	H
1	* 5.15	47.93	Pk	34.4	-18.5	0	63.83	-	-	74	-10.17	215	255	H
3	* 5.15	36.29	RMS	34.4	-18.5	.68	52.87	54	-1.13	-	-	215	255	H
4	* 5.15	36.39	RMS	34.4	-18.5	.68	52.97	54	-1.03	-	-	215	255	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS

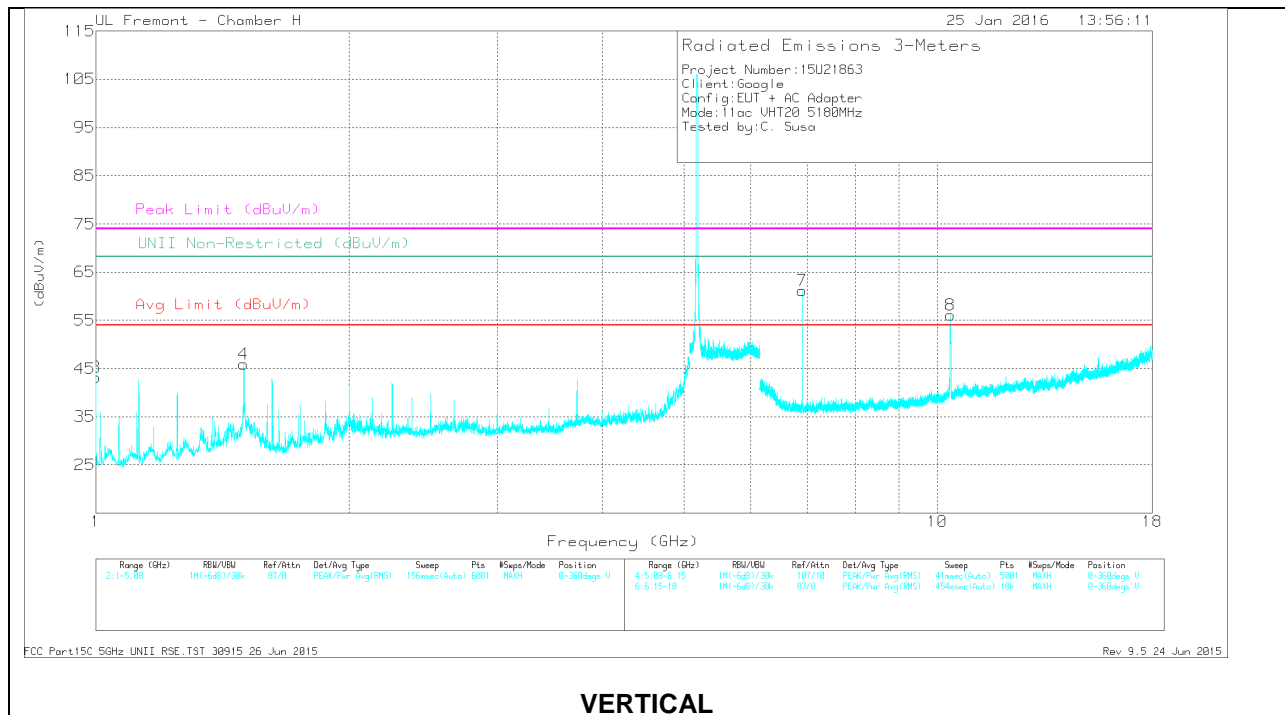
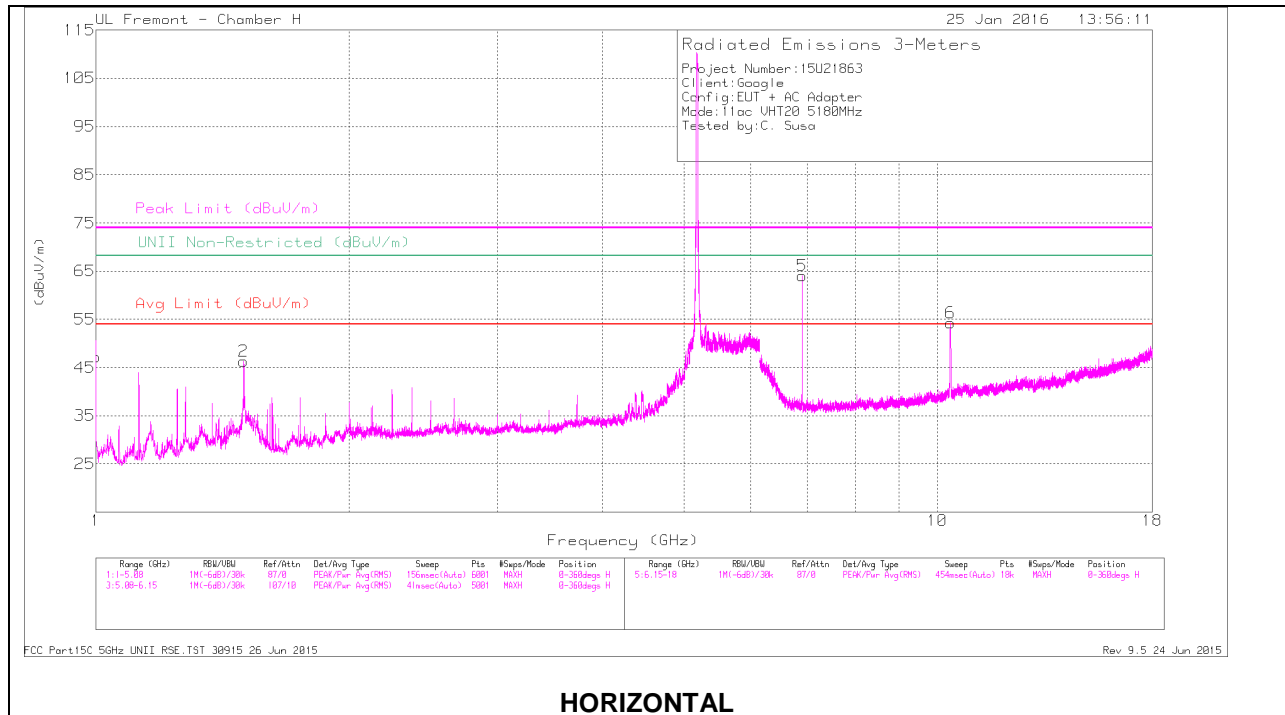


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	51.03	Pk	34.4	-18.5	0	66.93	-	-	74	-7.07	50	223	V
2	* 5.15	52.47	Pk	34.4	-18.5	0	68.37	-	-	74	-5.63	50	223	V
3	* 5.15	35.11	RMS	34.4	-18.5	.68	51.69	54	-2.31	-	-	50	223	V
4	* 5.15	35.36	RMS	34.4	-18.5	.68	51.94	54	-2.06	-	-	50	223	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**LOW CHANNEL DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	59.76	PK-U	27	-34.2	0	52.56	-	-	74	-21.44	-	-	222	180	H
	* 1	56.22	ADR	27	-34.2	.68	49.7	54	-4.3	-	-	-	-	222	180	H
2	* 1.5	59.5	PK-U	28.1	-34.3	0	53.3	-	-	74	-20.7	-	-	330	137	H
	* 1.5	51.11	ADR	28.1	-34.3	.68	45.59	54	-8.41	-	-	-	-	330	137	H
3	* 1	57.63	PK-U	27	-34.2	0	50.43	-	-	74	-23.57	-	-	262	257	V
	* 1	53.69	ADR	27	-34.2	.68	47.17	54	-6.83	-	-	-	-	262	257	V
4	* 1.5	58.25	PK-U	28.1	-34.3	0	52.05	-	-	74	-21.95	-	-	88	338	V
	* 1.5	51.22	ADR	28.1	-34.3	.68	45.7	54	-8.3	-	-	-	-	88	338	V
5	6.907	56.56	PK-U	35.8	-27.6	0	64.76	-	-	-	-	68.2	-3.44	344	103	H
	6.907	52.77	PK-U	35.8	-27.6	0	60.97	-	-	-	-	68.2	-7.23	14	166	V
6	10.359	49.31	PK-U	37.2	-23.3	0	63.21	-	-	-	-	68.2	-4.99	157	107	V
	10.362	49.65	PK-U	37.2	-23.4	0	63.45	-	-	-	-	68.2	-4.75	208	140	H

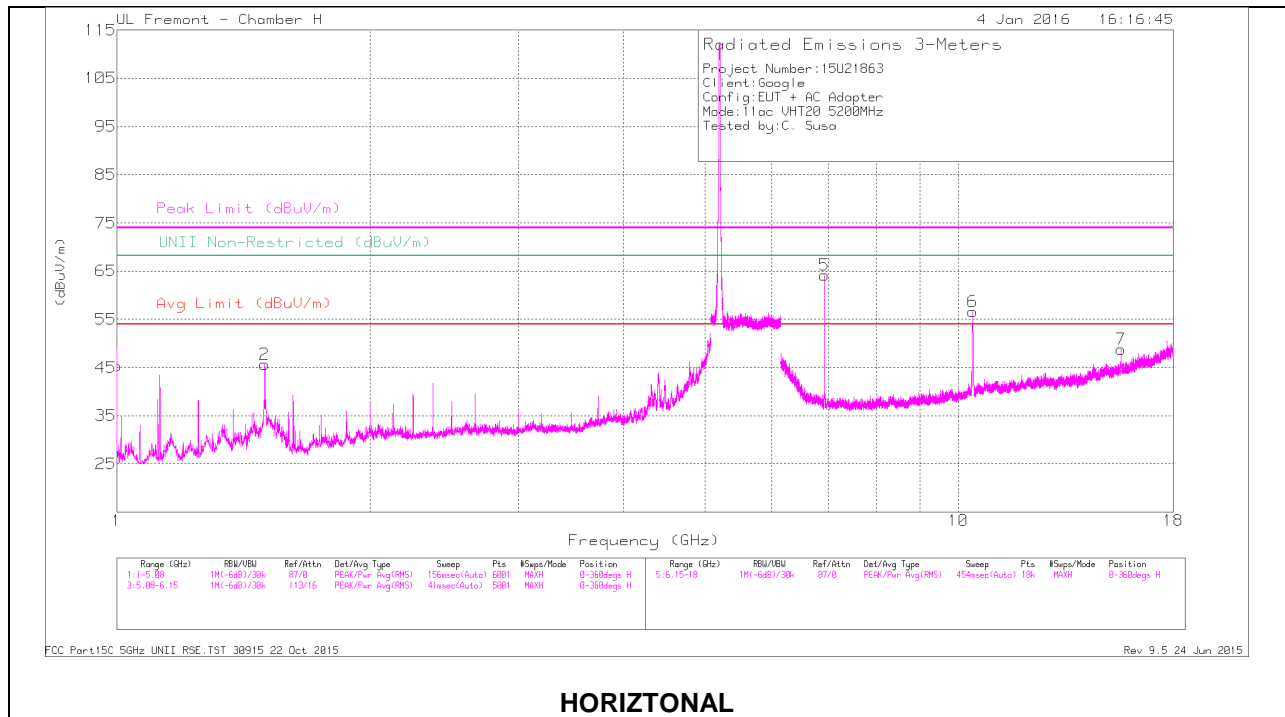
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

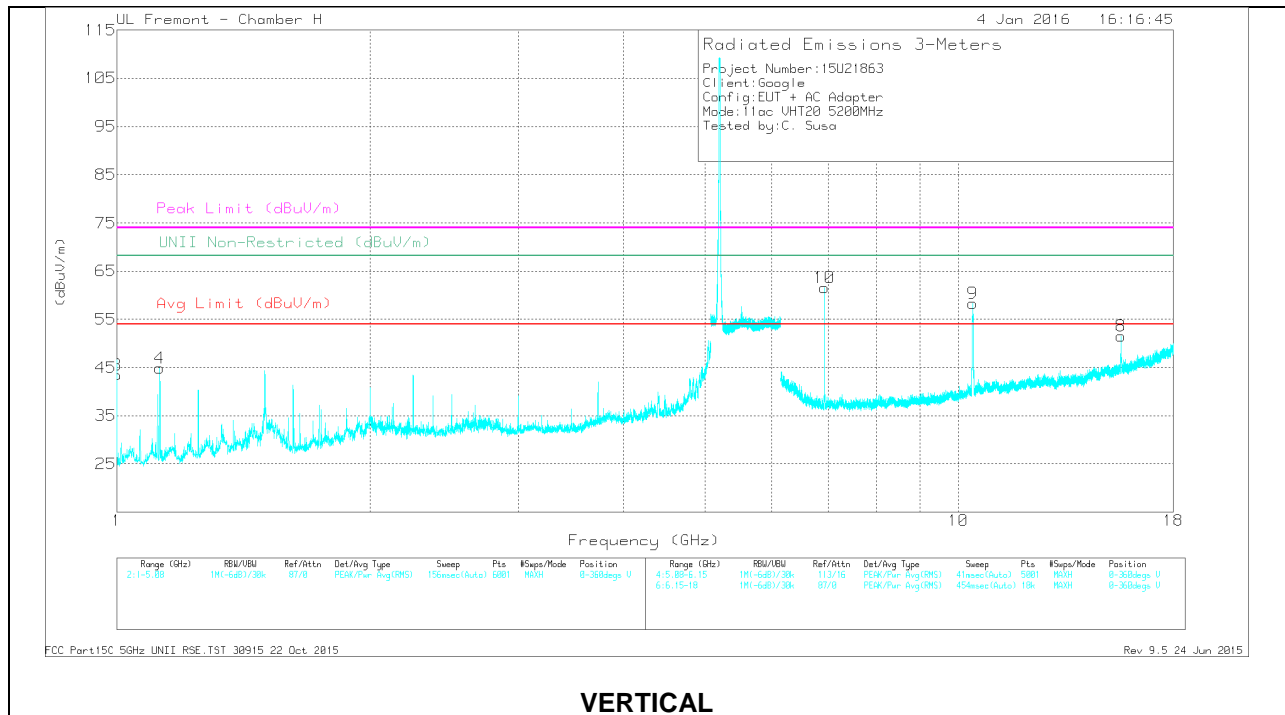
ADR - U-NII AD primary method, RMS average



### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**MID CHANNEL DATA**

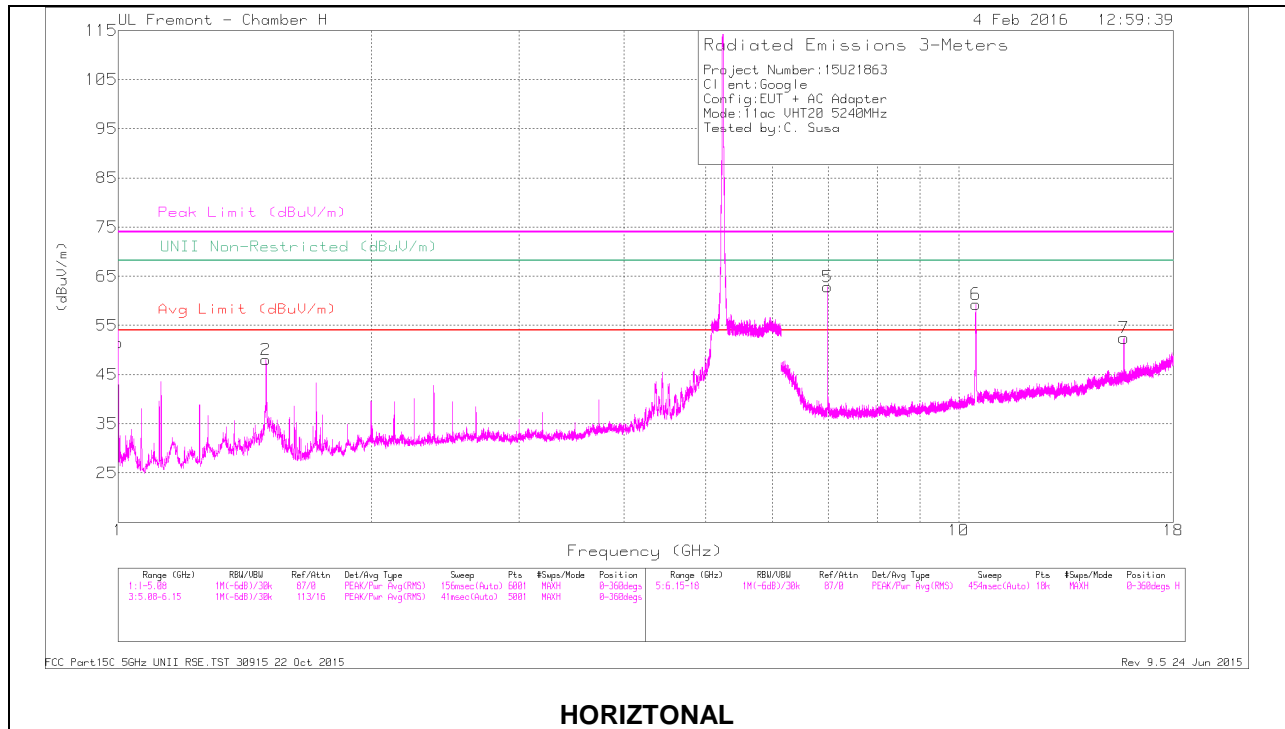
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	57.77	PK-U	27	-34.2	0	50.57	-	-	74	-23.43	-	-	324	349	H
	* 1	54.23	ADR	27	-34.2	.58	47.61	54	-6.39	-	-	-	-	324	349	H
2	* 1.5	58.32	PK-U	28.1	-34.3	0	52.12	-	-	74	-21.88	-	-	139	161	H
	* 1.5	50.69	ADR	28.1	-34.3	.58	45.07	54	-8.93	-	-	-	-	139	161	H
3	* 1	57.86	PK-U	27	-34.2	0	50.66	-	-	74	-23.34	-	-	22	331	V
	* 1	54.76	ADR	27	-34.2	.58	48.14	54	-5.86	-	-	-	-	22	331	V
4	* 1.125	55.29	PK-U	27.4	-34.4	0	48.29	-	-	74	-25.71	-	-	339	338	V
	* 1.125	53.23	ADR	27.4	-34.4	.58	46.81	54	-7.19	-	-	-	-	339	338	V
7	* 15.608	41.56	PK-U	40.9	-21.7	0	60.76	-	-	74	-13.24	-	-	162	368	H
	* 15.596	26.37	ADR	40.9	-21.7	.58	46.15	54	-7.85	-	-	-	-	162	368	H
8	* 15.602	43.09	PK-U	40.9	-21.7	0	62.29	-	-	74	-11.71	-	-	124	216	V
	* 15.602	26.53	ADR	40.9	-21.7	.58	46.31	54	-7.69	-	-	-	-	124	216	V
5	6.933	56.27	PK-U	35.8	-27.6	0	64.47	-	-	-	-	68.2	-3.73	284	176	H
10	6.933	53.5	PK-U	35.8	-27.6	0	61.7	-	-	-	-	68.2	-6.5	147	167	V
6	10.392	52.62	PK-U	37.3	-23.1	0	66.82	-	-	-	-	68.2	-1.38	336	159	H
9	10.397	53.97	PK-U	37.3	-23.1	0	68.17	-	-	-	-	68.2	-.03	286	100	V

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

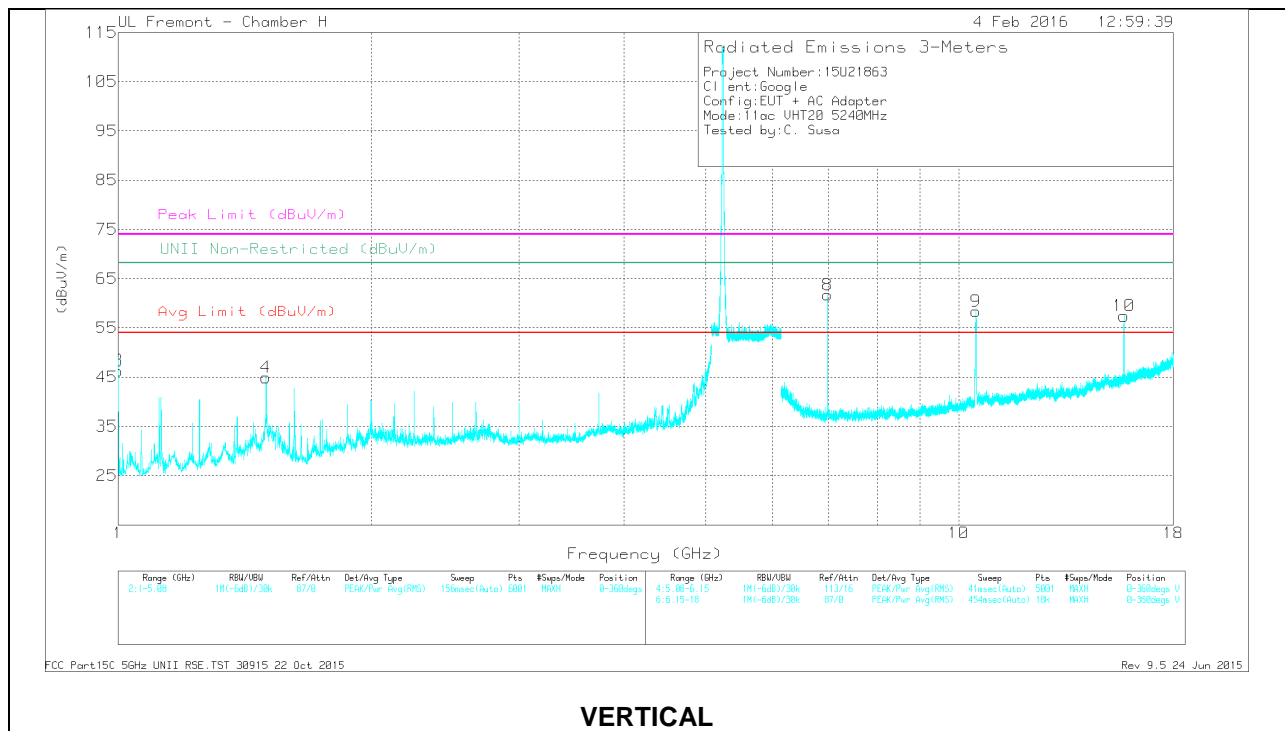
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**HIGH CHANNEL DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	63.94	PK-U	27	-34.2	0	56.74	-	-	74	-17.26	-	-	201	189	H
	* 1	60.42	ADR	27	-34.2	.68	53.9	54	-1.1	-	-	-	-	201	189	H
2	* 1.5	58.88	PK-U	28.1	-34.3	0	52.68	-	-	74	-21.32	-	-	42	202	H
	* 1.5	51.1	ADR	28.1	-34.3	.68	45.58	54	-8.42	-	-	-	-	42	202	H
3	* 1	59.75	PK-U	27	-34.2	0	52.55	-	-	74	-21.45	-	-	257	229	V
	* 1	56.97	ADR	27	-34.2	.68	50.45	54	-3.55	-	-	-	-	257	229	V
4	* 1.5	58.55	PK-U	28.1	-34.3	0	52.35	-	-	74	-21.65	-	-	283	311	V
	* 1.5	49.57	ADR	28.1	-34.3	.68	44.05	54	-9.95	-	-	-	-	283	311	V
7	* 15.724	41.18	PK-U	40.9	-21.7	0	60.38	-	-	74	-13.62	-	-	334	376	H
	* 15.725	28.54	ADR	40.9	-21.7	.68	48.42	54	-5.58	-	-	-	-	334	376	H
10	* 15.71	43.25	PK-U	40.9	-21.7	0	62.45	-	-	74	-11.55	-	-	294	233	V
	* 15.719	29.42	ADR	40.9	-21.7	.68	49.3	54	-4.7	-	-	-	-	294	233	V
5	6.987	55.7	PK-U	35.8	-26.8	0	64.7	-	-	-	-	68.2	-3.5	139	209	H
8	6.987	54.32	PK-U	35.8	-26.8	0	63.32	-	-	-	-	68.2	-4.88	252	256	V
9	10.471	54.38	PK-U	37.4	-23.6	0	68.18	-	-	-	-	68.2	-.02	139	105	V
6	10.476	51.34	PK-U	37.4	-23.6	0	65.14	-	-	-	-	68.2	-3.06	275	173	H

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

PK-U - U-NII: Maximum Peak

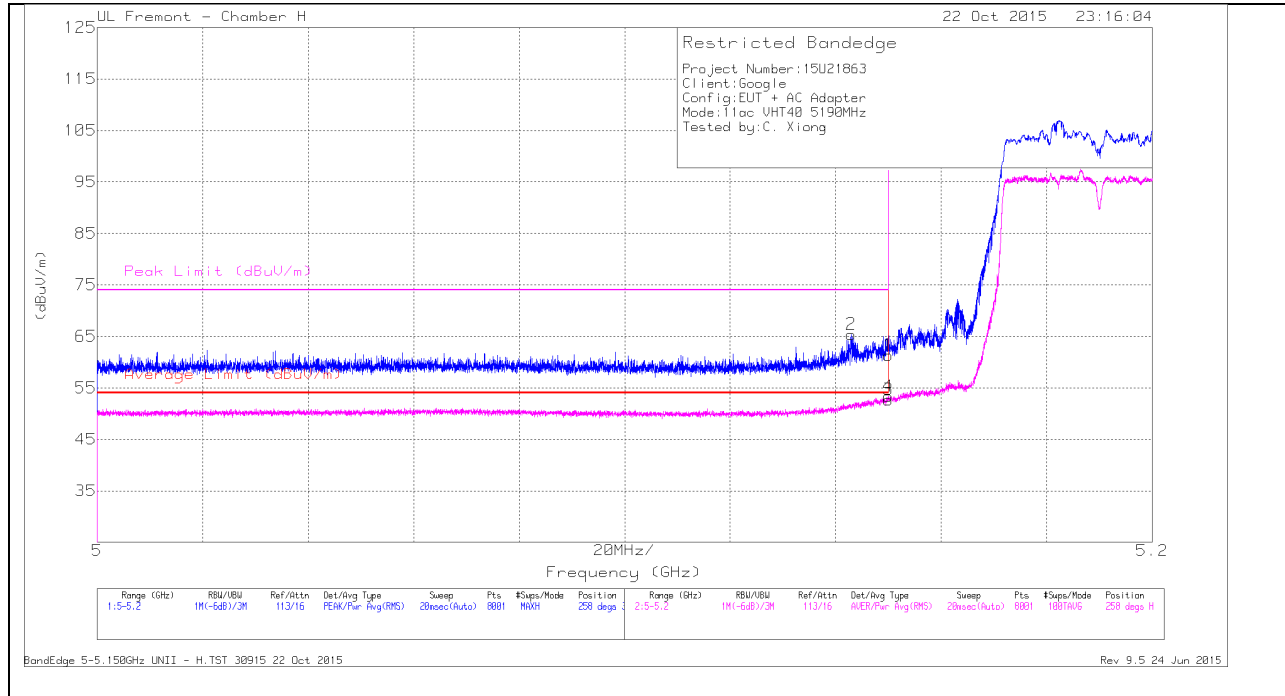
ADR - U-NII AD primary method, RMS average

### 5.1.3. 802.11ac VHT40 MODE IN THE 5.2GHz BAND

#### 4Tx 4 STREAM CDD MODE

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL RESULTS



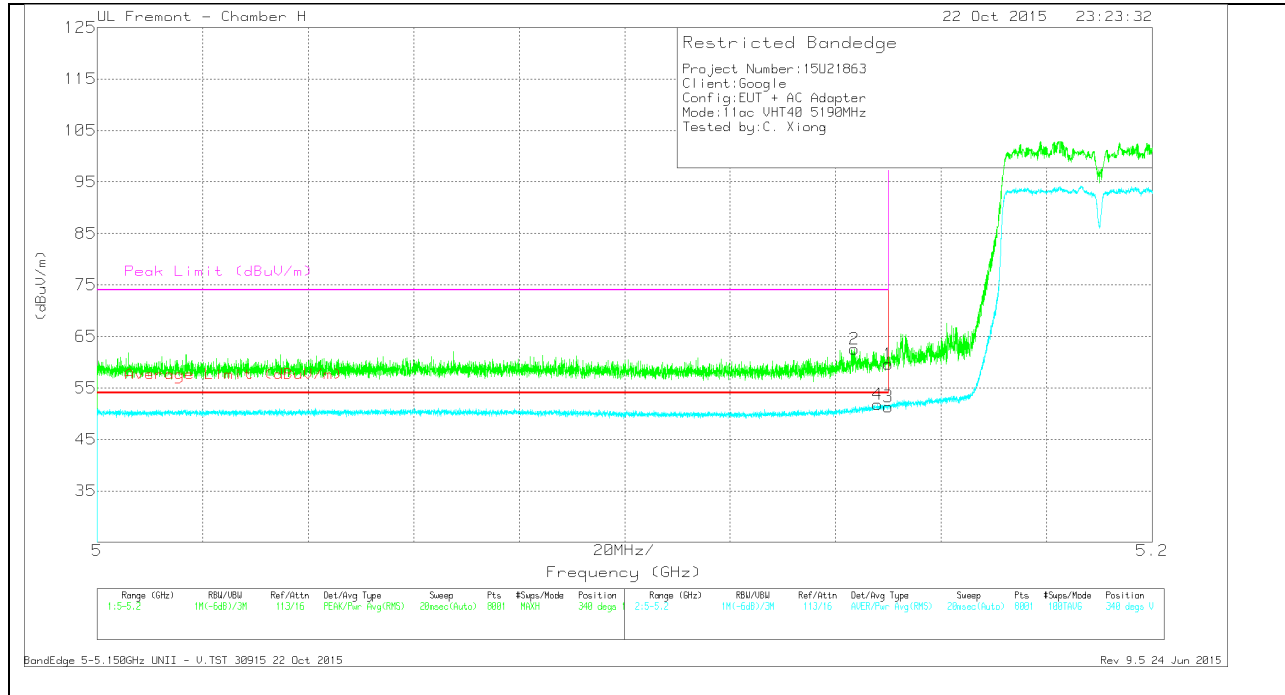
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.77	Pk	34.4	-18.8	0	61.37	-	-	74	-12.63	258	369	H
2	* 5.143	49.79	Pk	34.4	-18.8	0	65.39	-	-	74	-8.61	258	369	H
3	* 5.15	36.79	RMS	34.4	-18.8	.32	52.71	54	-1.29	-	-	258	369	H
4	* 5.15	37.43	RMS	34.4	-18.8	.32	53.35	54	-.65	-	-	258	369	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULTS

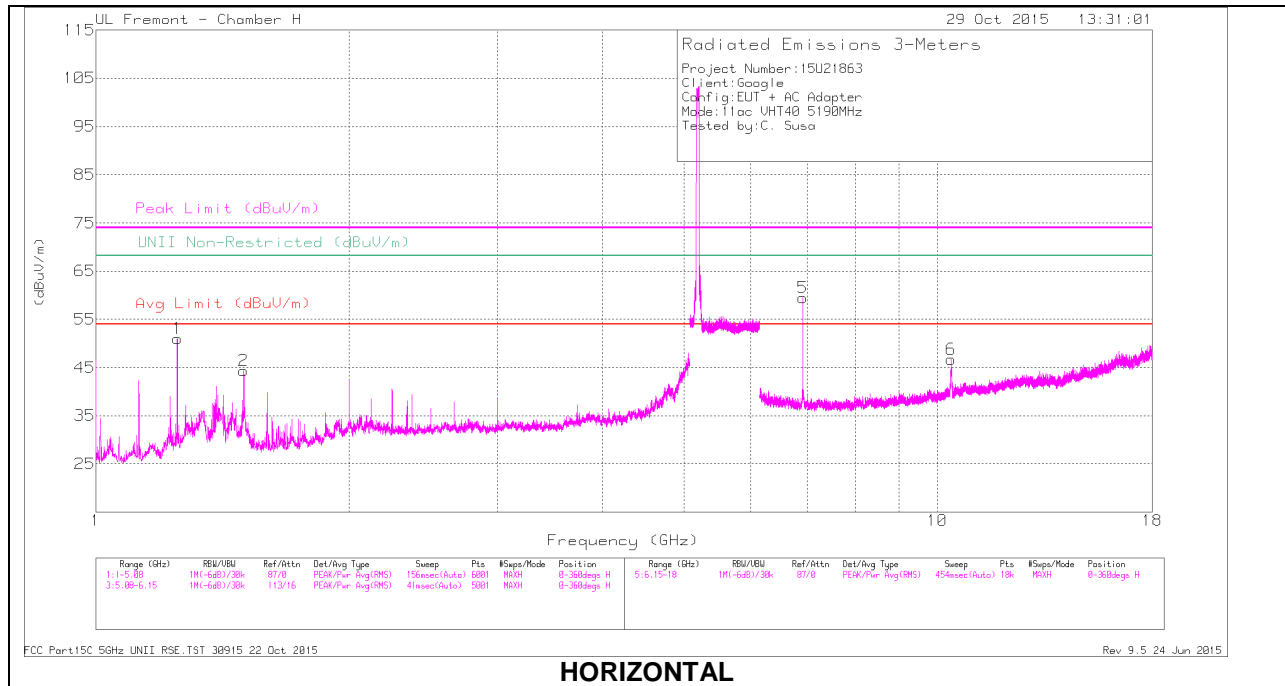


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.01	Pk	34.4	-18.8	0	59.61	-	-	74	-14.39	340	112	V
2	* 5.144	46.93	Pk	34.4	-18.8	0	62.53	-	-	74	-11.47	340	112	V
3	* 5.15	35.41	RMS	34.4	-18.8	.32	51.33	54	-2.67	-	-	340	112	V
4	* 5.148	35.87	RMS	34.4	-18.8	.32	51.79	54	-2.21	-	-	340	112	V

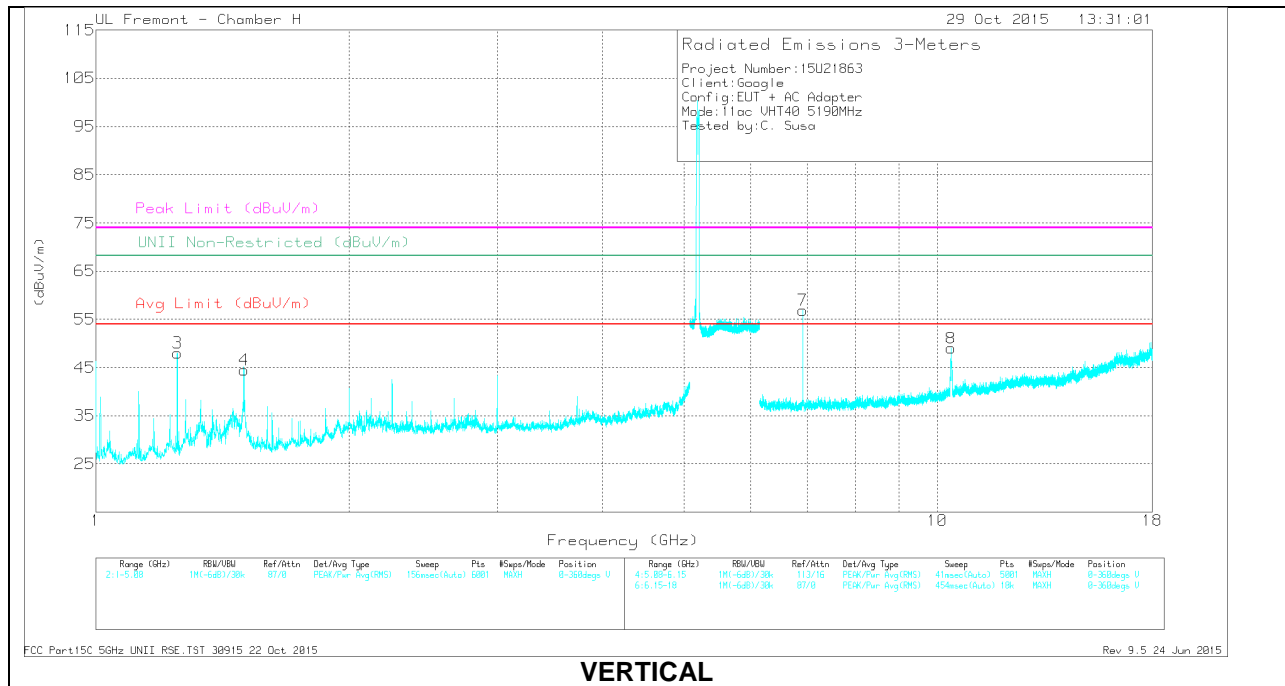
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

LOW CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CbW/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	59.36	PK-U	28.5	-34.5	0	53.36	-	-	74	-20.64	-	-	147	296	H
	* 1.25	55.77	ADR	28.5	-34.5	.32	50.09	54	-3.91	-	-	-	-	147	296	H
2	* 1.5	57.28	PK-U	28.1	-34.1	0	51.28	-	-	74	-22.72	-	-	130	202	H
	* 1.5	47.1	ADR	28.1	-34.1	.32	41.42	54	-12.58	-	-	-	-	130	202	H
3	* 1.25	56.23	PK-U	28.5	-34.5	0	50.23	-	-	74	-23.77	-	-	31	147	V
	* 1.25	53.85	ADR	28.5	-34.5	.32	48.17	54	-5.83	-	-	-	-	31	147	V
4	* 1.5	57.76	PK-U	28.1	-34.1	0	51.76	-	-	74	-22.24	-	-	8	258	V
	* 1.5	47.74	ADR	28.1	-34.1	.32	42.06	54	-11.94	-	-	-	-	8	258	V
5	6.92	55.08	PK-U	35.8	-29.5	0	61.38	-	-	-	-	68.2	-6.82	106	103	H
7	6.92	51.85	PK-U	35.8	-29.5	0	58.15	-	-	-	-	68.2	-10.05	51	129	V
8	10.379	44.33	PK-U	37.3	-24.8	0	56.83	-	-	-	-	68.2	-11.37	353	105	V
6	10.382	44.19	PK-U	37.3	-24.8	0	56.69	-	-	-	-	68.2	-11.51	302	207	H

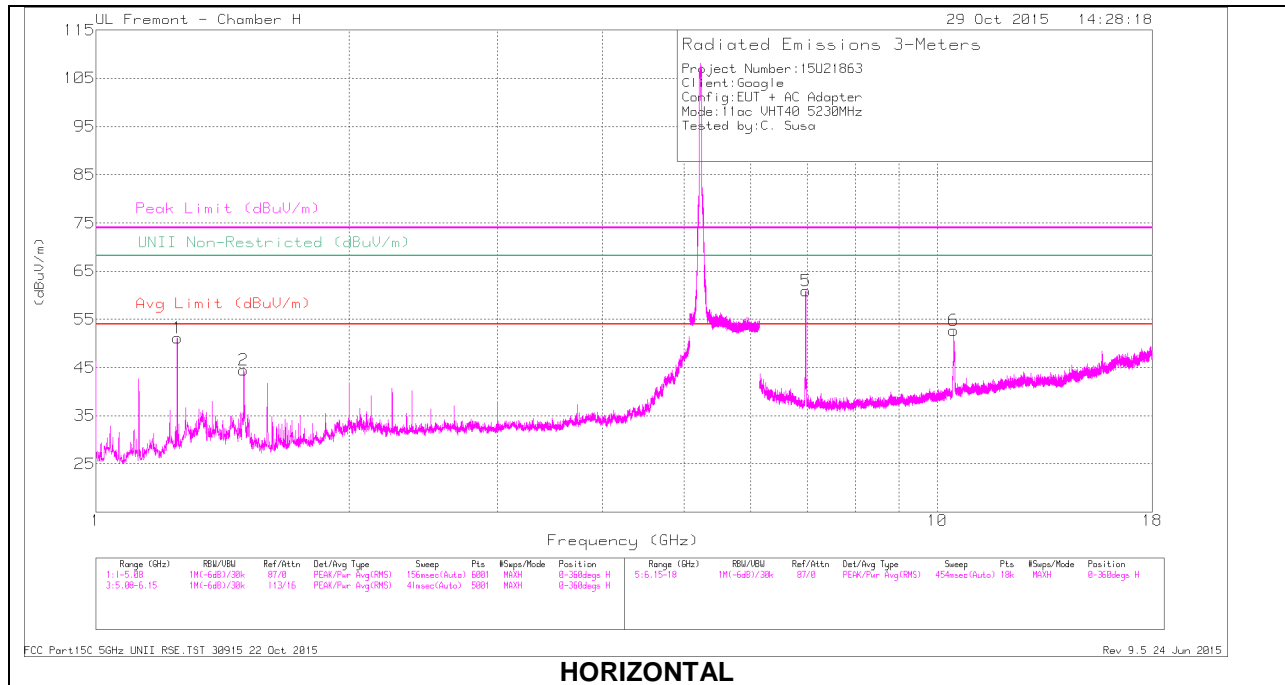
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

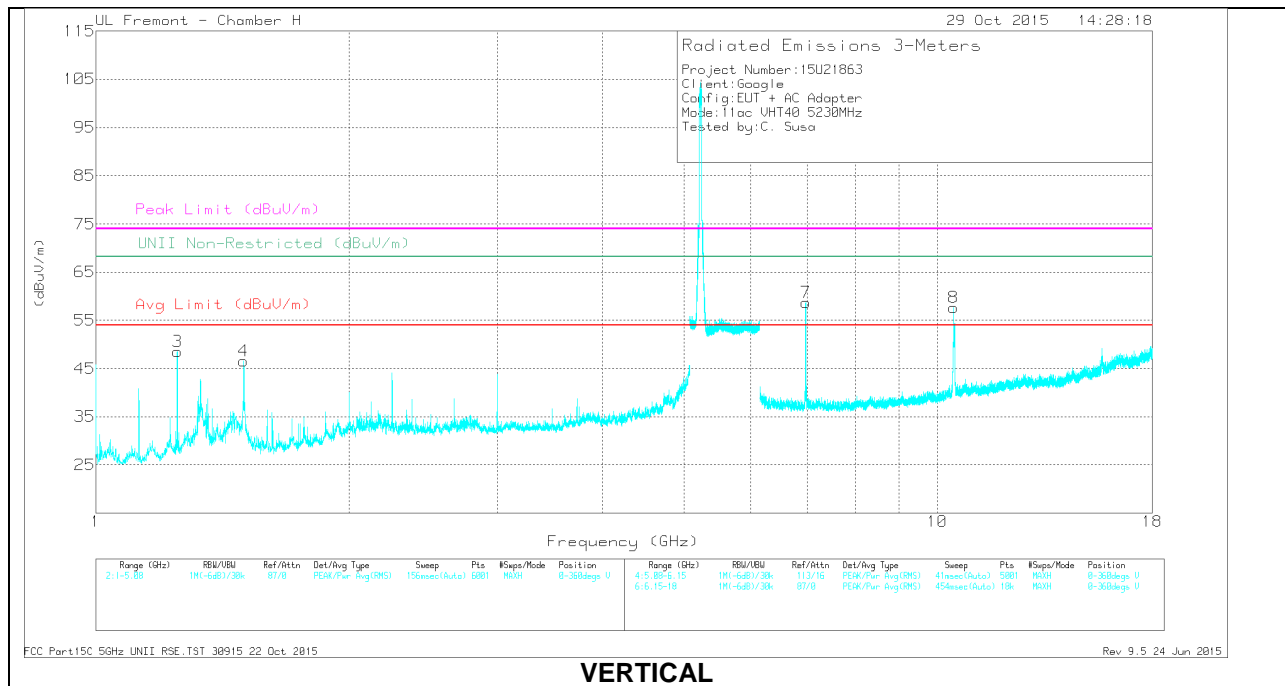
ADR - U-NII AD primary method, RMS average



### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

HIGH CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.25	59.93	PK-U	28.5	-34.5	0	53.93	-	-	74	-20.07	-	-	140	131	H
	* 1.25	55.81	ADR	28.5	-34.5	.32	50.13	54	-3.87	-	-	-	-	140	131	H
2	* 1.5	58.06	PK-U	28.1	-34.1	0	52.06	-	-	74	-21.94	-	-	129	192	H
	* 1.5	47.63	ADR	28.1	-34.1	.32	41.95	54	-12.05	-	-	-	-	129	192	H
3	* 1.25	56.48	PK-U	28.5	-34.5	0	50.48	-	-	74	-23.52	-	-	30	146	V
	* 1.25	54.17	ADR	28.5	-34.5	.32	48.49	54	-5.51	-	-	-	-	30	146	V
4	* 1.5	55.9	PK-U	28.1	-34.1	0	49.9	-	-	74	-24.1	-	-	5	348	V
	* 1.5	47.3	ADR	28.1	-34.1	.32	41.62	54	-12.38	-	-	-	-	5	348	V
5	6.973	56.14	PK-U	35.8	-29	0	62.94	-	-	-	-	68.2	-5.26	87	266	H
	6.973	52.21	PK-U	35.8	-29	0	59.01	-	-	-	-	68.2	-9.19	26	228	V
6	10.461	46.86	PK-U	37.4	-25	0	59.26	-	-	-	-	68.2	-8.94	302	203	H
	10.461	49.96	PK-U	37.4	-25	0	62.36	-	-	-	-	68.2	-5.84	3	105	V

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

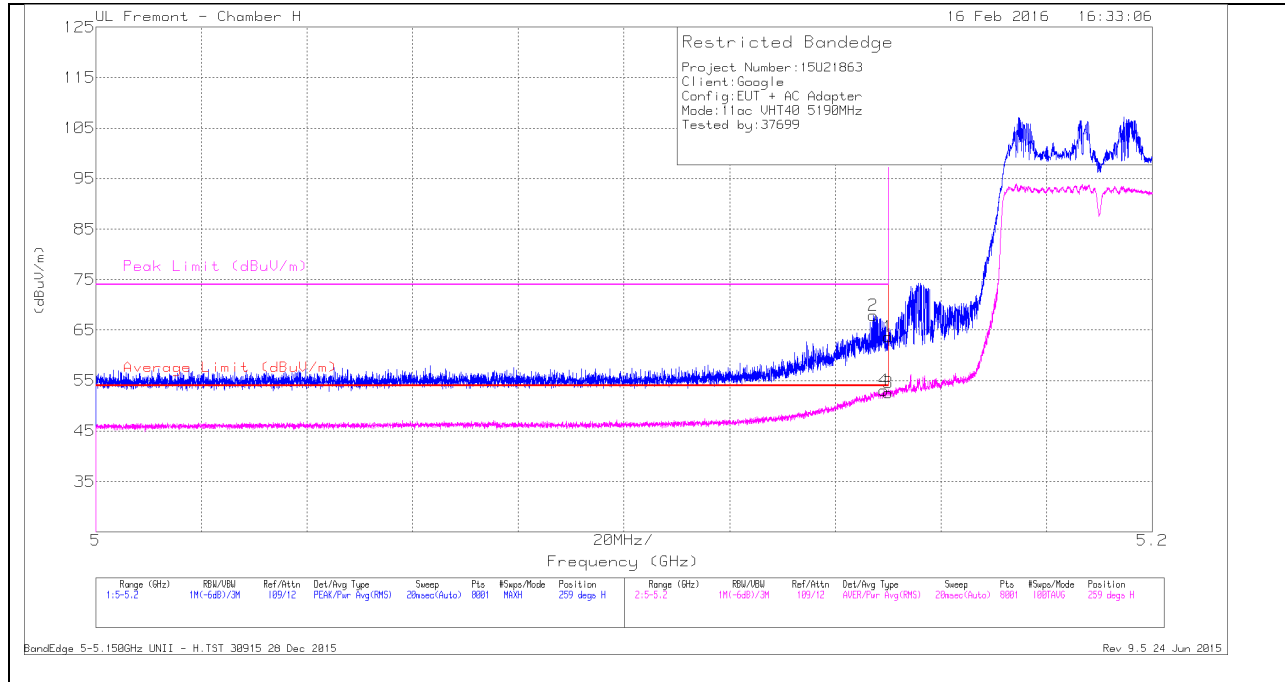
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**4Tx 1 STREAM CDD MODE**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

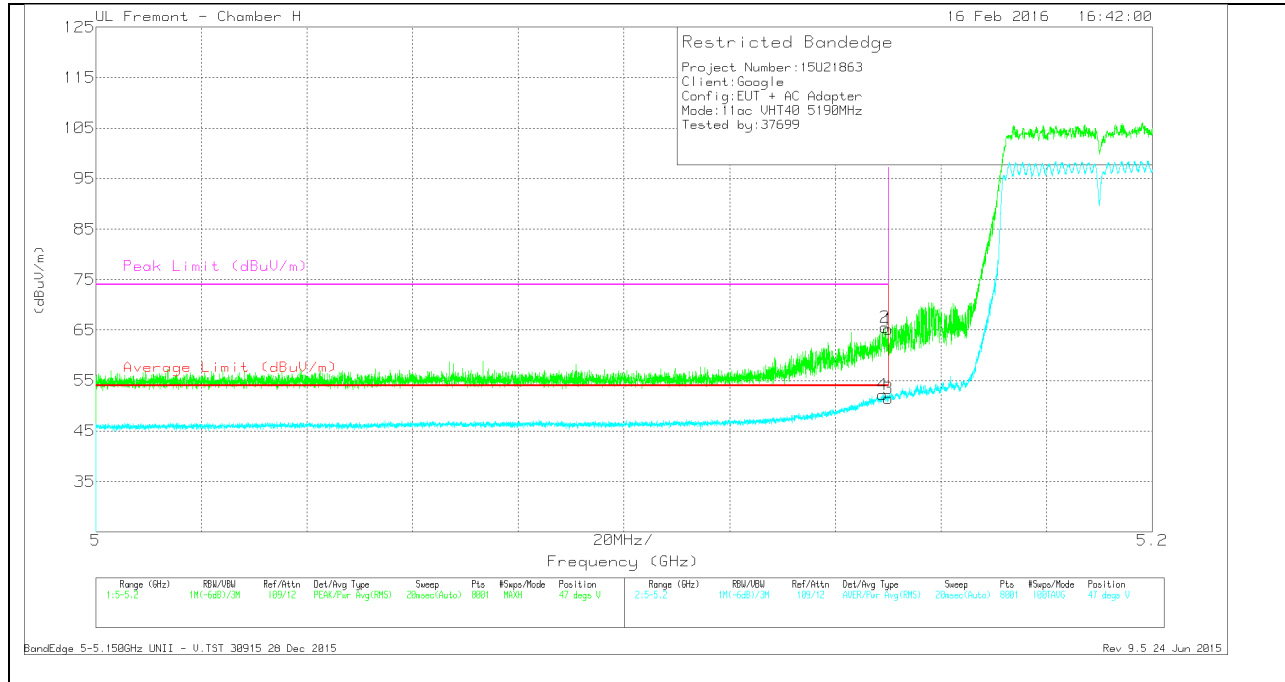
**HORIZONTAL RESULTS**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.81	Pk	34.4	-18.5	0	63.71	-	-	74	-10.29	259	314	H
2	* 5.147	51.87	Pk	34.4	-18.4	0	67.87	-	-	74	-6.13	259	314	H
3	* 5.15	36.56	RMS	34.4	-18.5	.15	52.61	54	-1.39	-	-	259	314	H
4	* 5.149	36.99	RMS	34.4	-18.5	.15	53.04	54	-96	-	-	259	314	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS

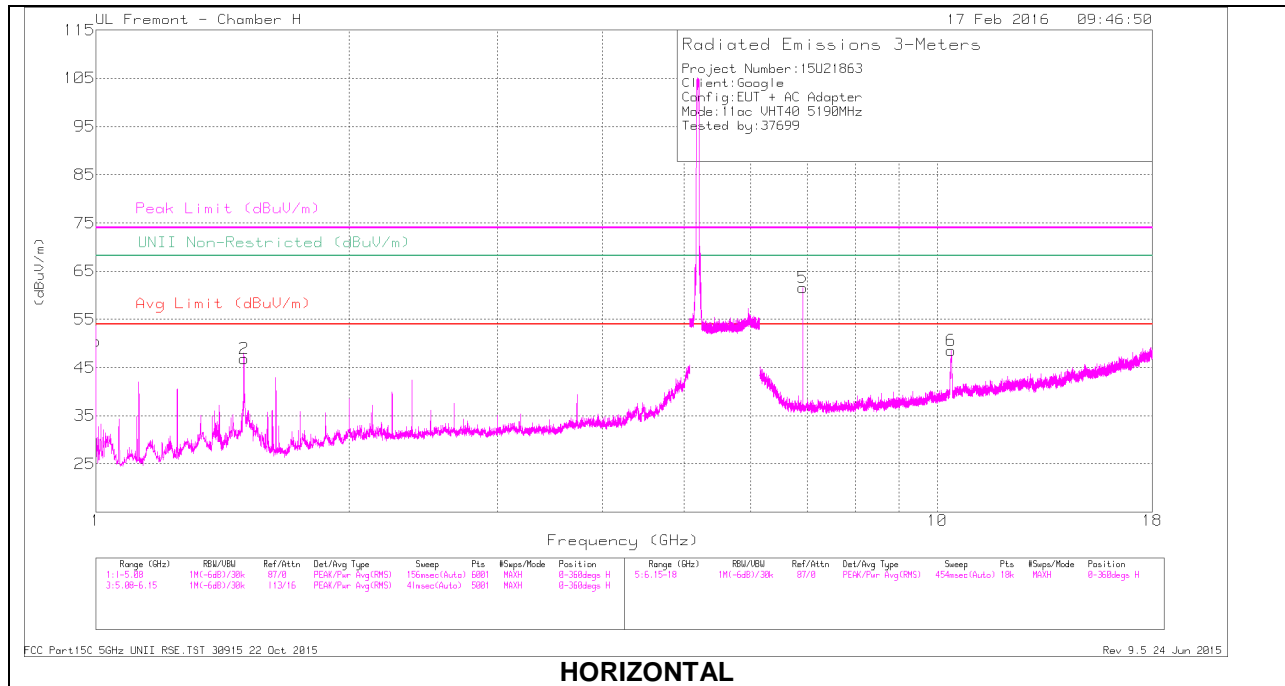


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	49.22	Pk	34.4	-18.5	0	65.12	-	-	74	-8.88	47	265	V
2	* 5.149	49.67	Pk	34.4	-18.5	0	65.57	-	-	74	-8.43	47	265	V
3	* 5.15	35.43	RMS	34.4	-18.5	.15	51.48	54	-2.52	-	-	47	265	V
4	* 5.149	36.15	RMS	34.4	-18.5	.15	52.2	54	-1.8	-	-	47	265	V

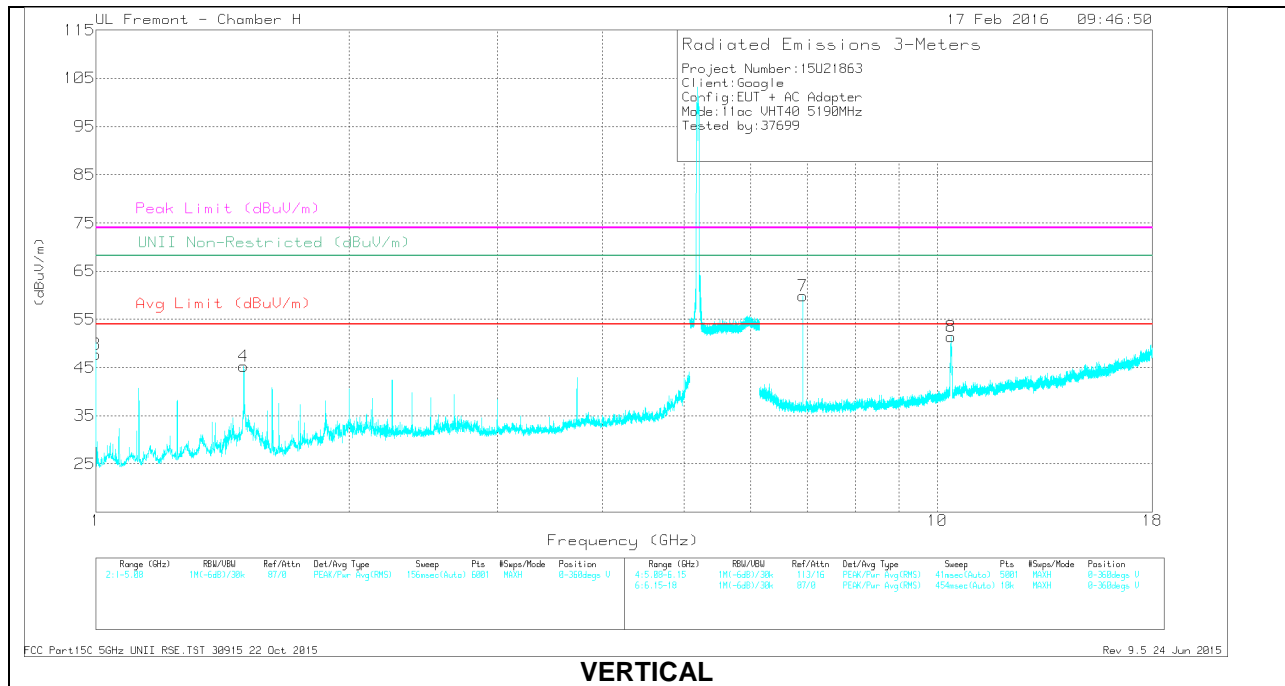
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

LOW CHANNEL DATA

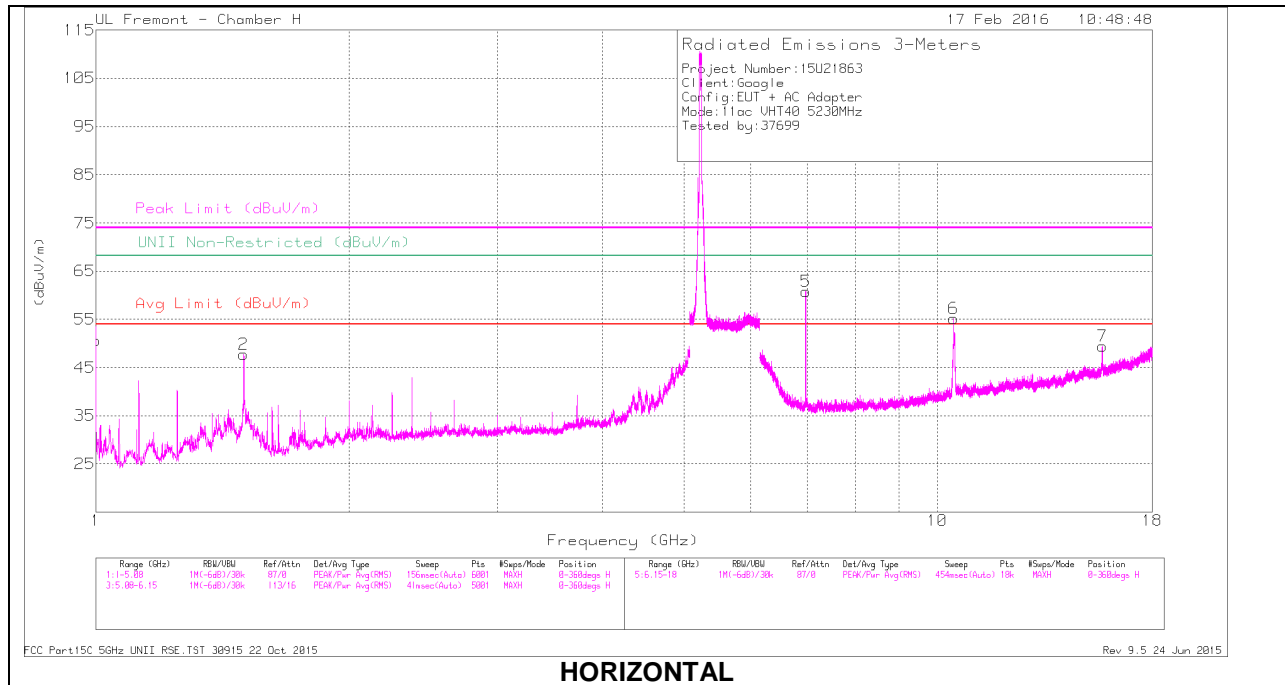
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	62.81	PK-U	27	-34.2	0	55.61	-	-	74	-18.39	-	-	278	170	H
	* 1	59.34	ADR	27	-34.2	.15	52.29	54	-1.71	-	-	-	-	278	170	H
2	* 1.5	60.18	PK-U	28.1	-34.3	0	53.98	-	-	74	-20.02	-	-	290	295	H
	* 1.5	52.54	ADR	28.1	-34.3	.15	46.49	54	-7.51	-	-	-	-	290	295	H
3	* 1	61.53	PK-U	27	-34.2	0	54.33	-	-	74	-19.67	-	-	251	316	V
	* 1	59.23	ADR	27	-34.2	.15	52.18	54	-1.82	-	-	-	-	251	316	V
4	* 1.5	58.66	PK-U	28.1	-34.3	0	52.46	-	-	74	-21.54	-	-	195	361	V
	* 1.5	50.96	ADR	28.1	-34.3	.15	44.91	54	-9.09	-	-	-	-	195	361	V
5	6.92	54.28	PK-U	35.8	-27.7	0	62.38	-	-	-	-	68.2	-5.82	334	100	H
	6.92	52.66	PK-U	35.8	-27.7	0	60.76	-	-	-	-	68.2	-7.44	59	110	V
6	10.371	42.25	PK-U	37.2	-23.5	0	55.95	-	-	-	-	68.2	-12.25	183	269	H
	10.382	44.69	PK-U	37.3	-23.3	0	58.69	-	-	-	-	68.2	-9.51	140	114	V

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

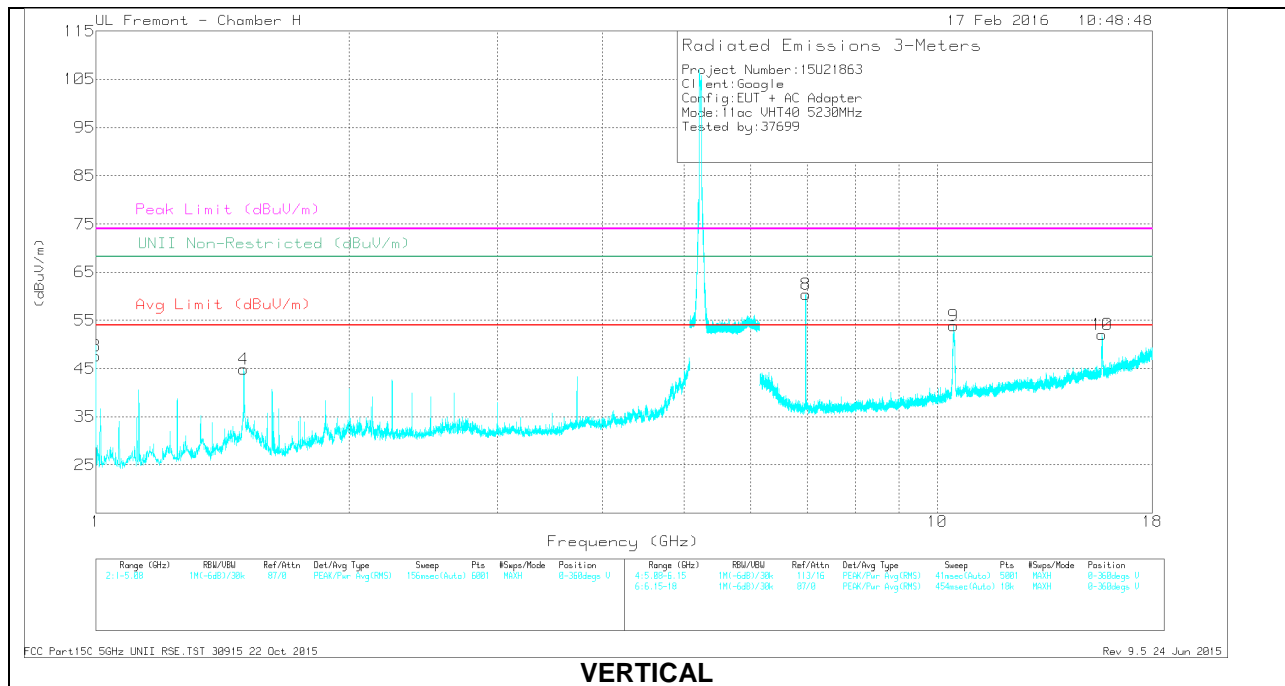
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

HIGH CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	62.91	PK-U	27	-34.2	0	55.71	-	-	74	-18.29	-	-	280	173	H
	* 1	59.42	ADR	27	-34.2	.15	52.37	54	-1.63	-	-	-	-	280	173	H
2	* 1.5	59.83	PK-U	28.1	-34.3	0	53.63	-	-	74	-20.37	-	-	287	292	H
	* 1.5	52.65	ADR	28.1	-34.3	.15	46.6	54	-7.4	-	-	-	-	287	292	H
3	* 1	61.59	PK-U	27	-34.2	0	54.39	-	-	74	-19.61	-	-	254	320	V
	* 1	58.95	ADR	27	-34.2	.15	51.9	54	-2.1	-	-	-	-	254	320	V
4	* 1.5	56.74	PK-U	28.1	-34.3	0	50.54	-	-	74	-23.46	-	-	95	362	V
	* 1.5	50.08	ADR	28.1	-34.3	.15	44.03	54	-9.97	-	-	-	-	95	362	V
7	* 15.7	38.43	PK-U	40.9	-21.8	0	57.53	-	-	74	-16.47	-	-	277	269	H
	* 15.689	26.95	ADR	40.9	-21.8	.15	46.2	54	-7.8	-	-	-	-	277	269	H
10	* 15.695	42.11	PK-U	40.9	-21.7	0	61.31	-	-	74	-12.69	-	-	354	199	V
	* 15.704	27.28	ADR	40.9	-21.8	.15	46.53	54	-7.47	-	-	-	-	354	199	V
5	6.973	54.6	PK-U	35.8	-27.2	0	63.2	-	-	-	-	68.2	-5	318	236	H
8	6.973	52.97	PK-U	35.8	-27.2	0	61.57	-	-	-	-	68.2	-6.63	19	214	V
6	10.459	45.21	PK-U	37.4	-23.5	0	59.11	-	-	-	-	68.2	-9.09	240	200	V
9	10.461	43.55	PK-U	37.4	-23.5	0	57.45	-	-	-	-	68.2	-10.75	354	137	H

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

PK-U - U-NII: Maximum Peak

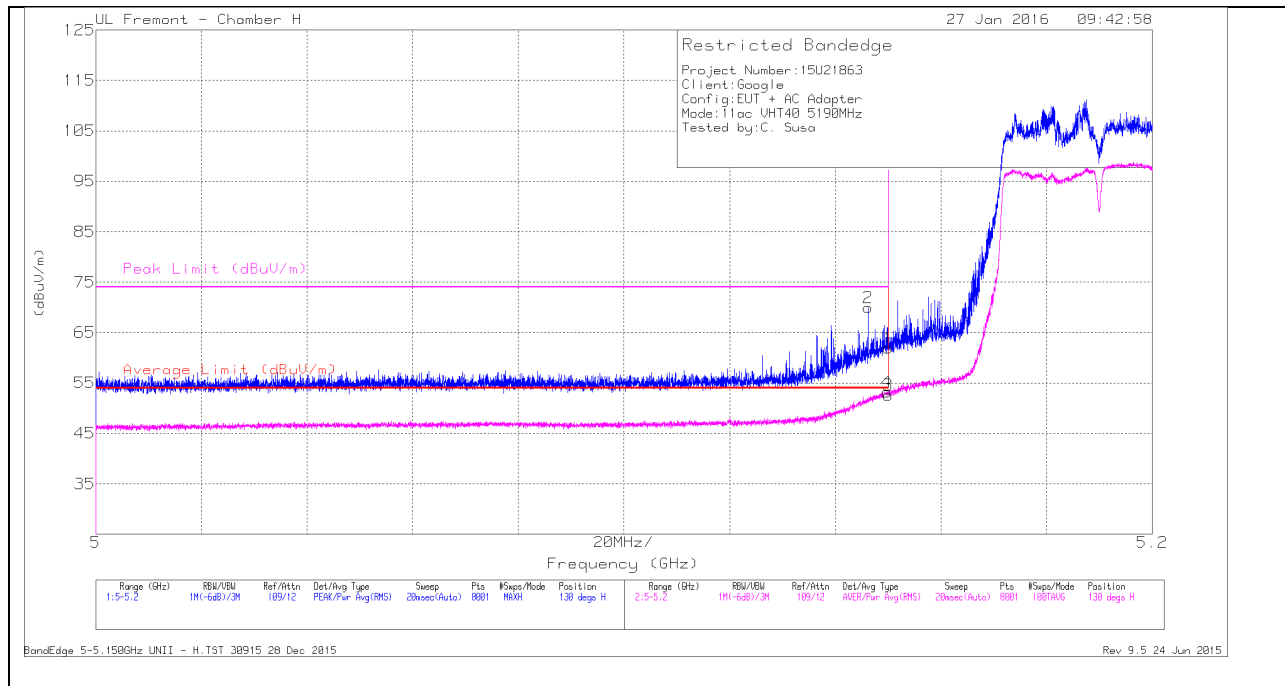
ADR - U-NII AD primary method, RMS average



**4Tx 3 STREAM BF MODE**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

**HORIZONTAL RESULTS**



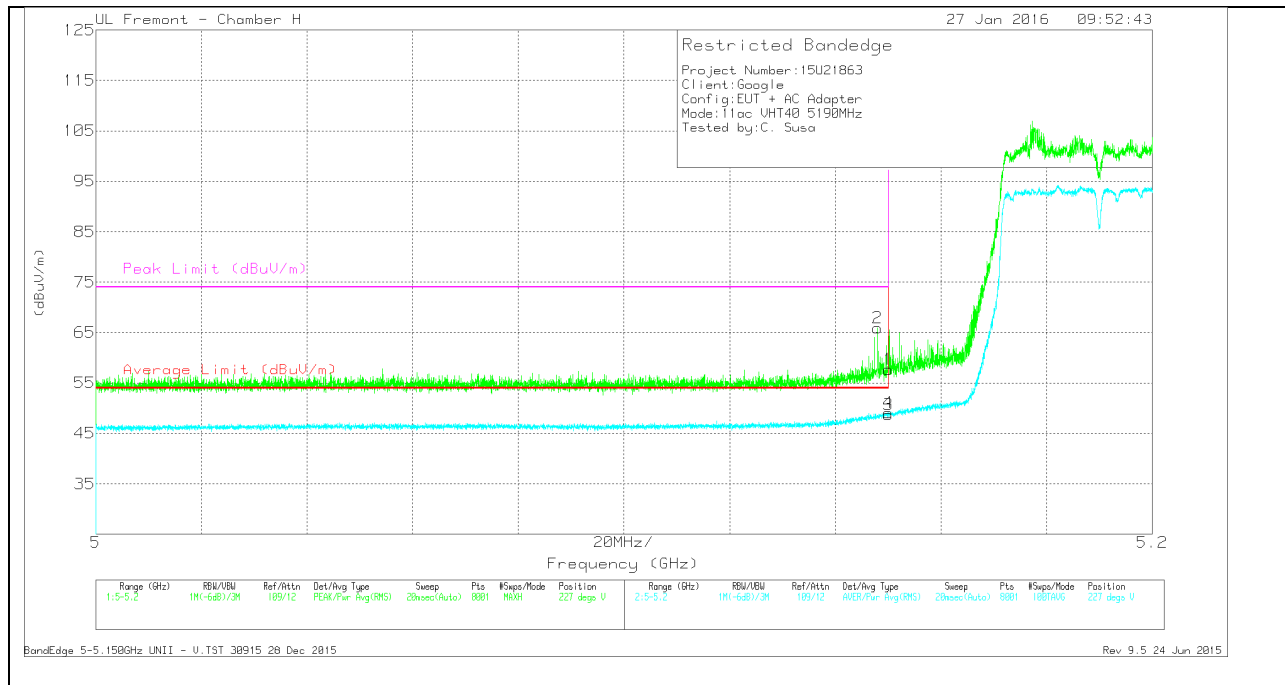
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.146	53.98	Pk	34.4	-18.4	0	69.98	-	-	74	-4.02	130	305	H
1	* 5.15	46.03	Pk	34.4	-18.5	0	61.93	-	-	74	-12.07	130	305	H
3	* 5.15	35.86	RMS	34.4	-18.5	.82	52.58	54	-1.42	-	-	130	305	H
4	* 5.15	36.49	RMS	34.4	-18.5	.82	53.21	54	-.79	-	-	130	305	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.148	50.03	Pk	34.4	-18.5	0	65.93	-	-	74	-8.07	227	345	V
1	* 5.15	41.8	Pk	34.4	-18.5	0	57.7	-	-	74	-16.3	227	345	V
3	* 5.15	31.98	RMS	34.4	-18.5	.82	48.7	54	-5.3	-	-	227	345	V
4	* 5.15	32.42	RMS	34.4	-18.5	.82	49.14	54	-4.86	-	-	227	345	V

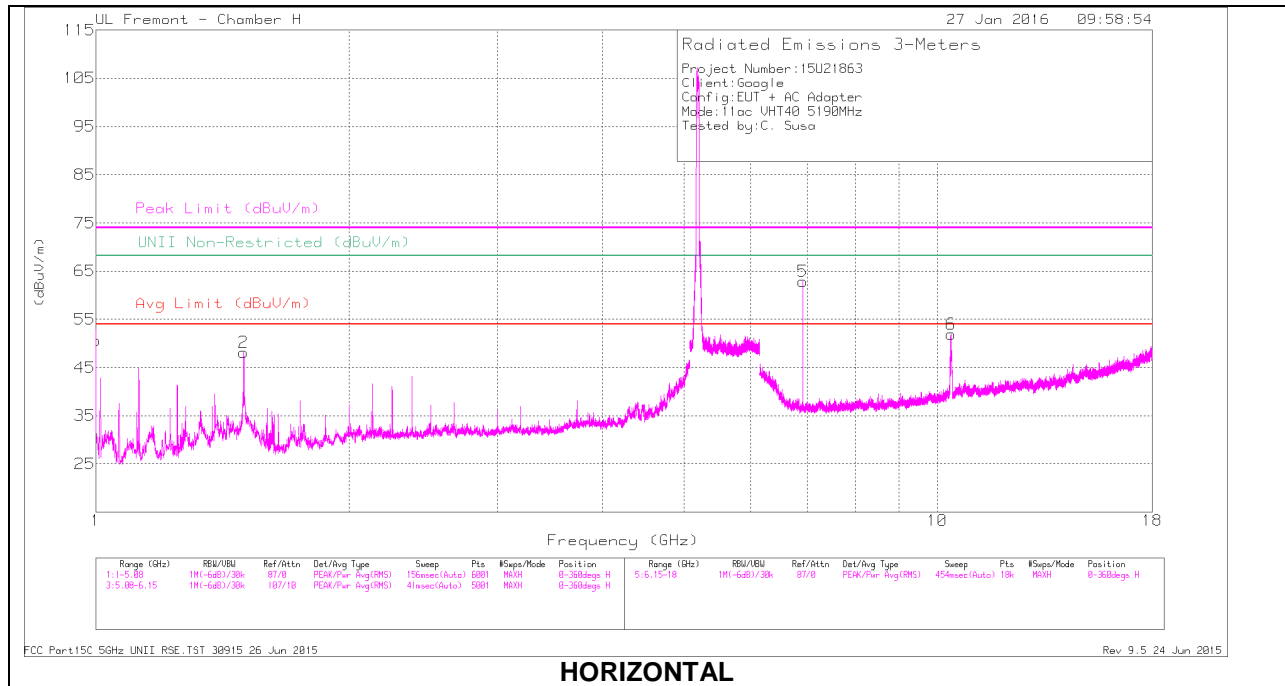
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

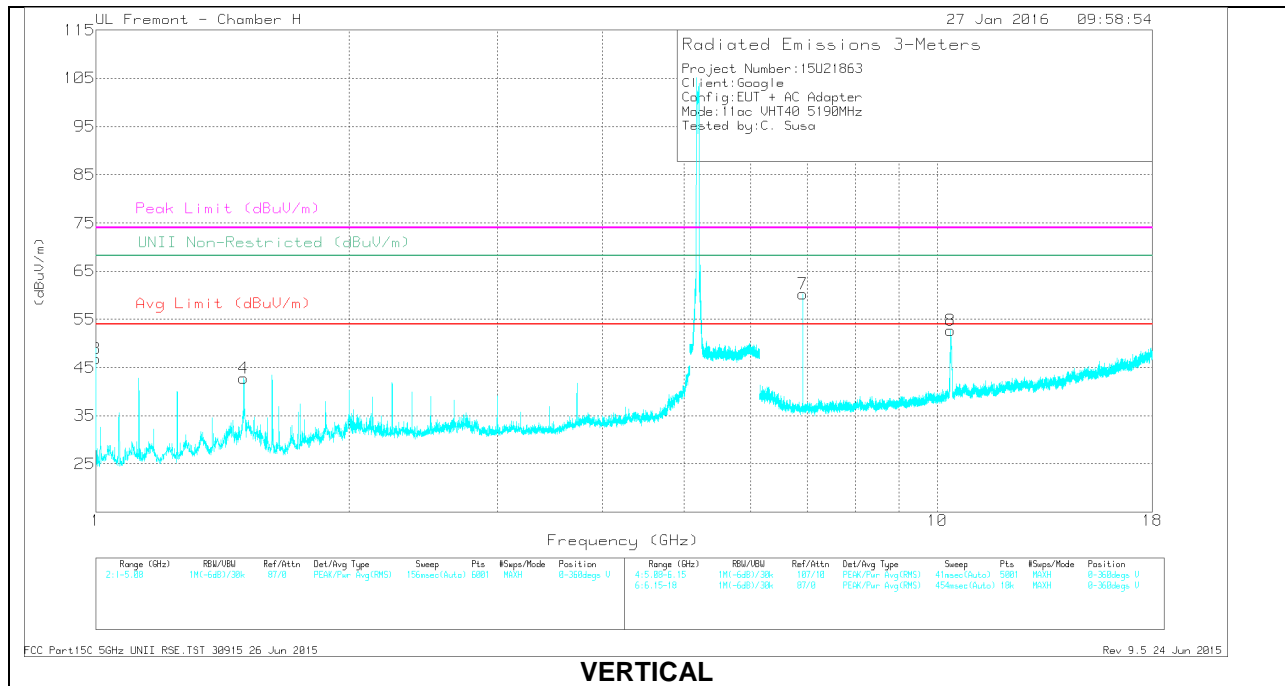
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

**LOW CHANNEL DATA**

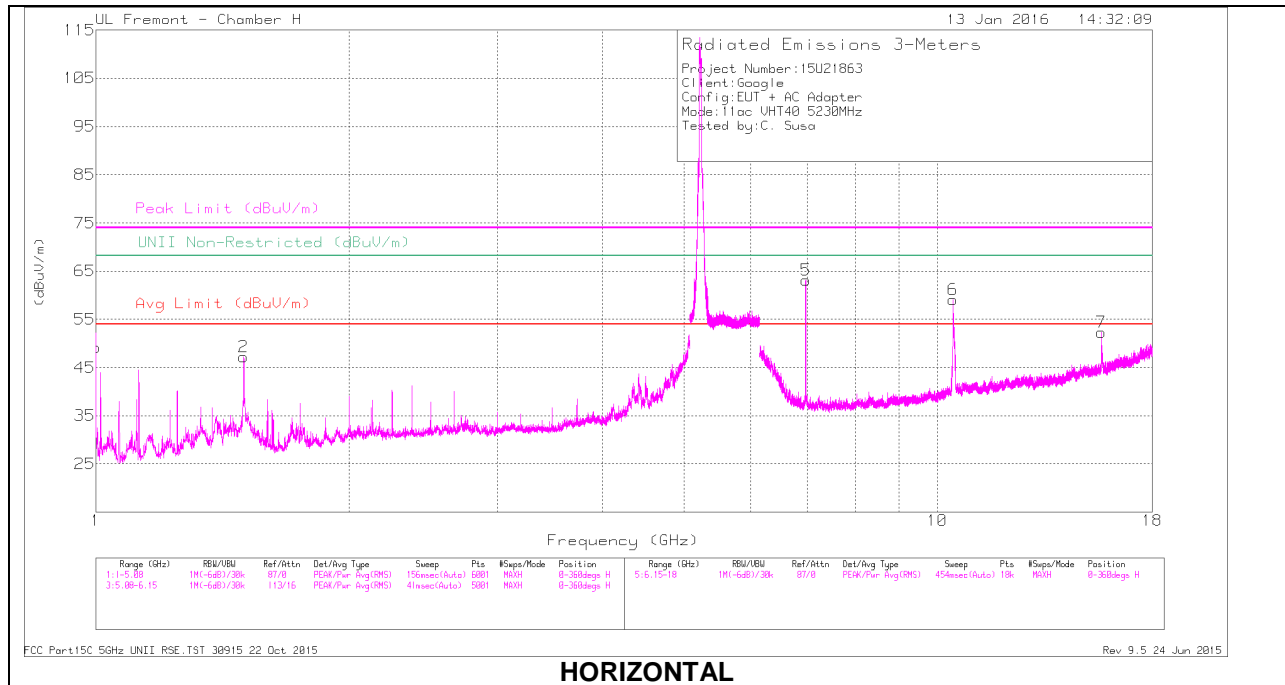
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	62.17	PK-U	27	-34.2	0	54.97	-	-	74	-19.03	-	-	292	259	H
	* 1	58.37	ADR	27	-34.2	.82	51.99	54	-2.01	-	-	-	-	292	259	H
2	* 1.5	59.83	PK-U	28.1	-34.3	0	53.63	-	-	74	-20.37	-	-	297	295	H
	* 1.5	53.1	ADR	28.1	-34.3	.82	47.72	54	-6.28	-	-	-	-	297	295	H
3	* 1	61.22	PK-U	27	-34.2	0	54.02	-	-	74	-19.98	-	-	246	314	V
	* 1	58.53	ADR	27	-34.2	.82	52.15	54	-1.85	-	-	-	-	246	314	V
4	* 1.5	55.93	PK-U	28.1	-34.3	0	49.73	-	-	74	-24.27	-	-	98	279	V
	* 1.5	49.11	ADR	28.1	-34.3	.82	43.73	54	-10.27	-	-	-	-	98	279	V
5	6.92	55.82	PK-U	35.8	-27.7	0	63.92	-	-	-	-	68.2	-4.28	340	103	H
	6.92	53.06	PK-U	35.8	-27.7	0	61.16	-	-	-	-	68.2	-7.04	253	258	V
6	10.376	46.34	PK-U	37.3	-23.4	0	60.24	-	-	-	-	68.2	-7.96	182	189	H
	10.384	48.82	PK-U	37.3	-23.3	0	62.82	-	-	-	-	68.2	-5.38	134	108	V

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

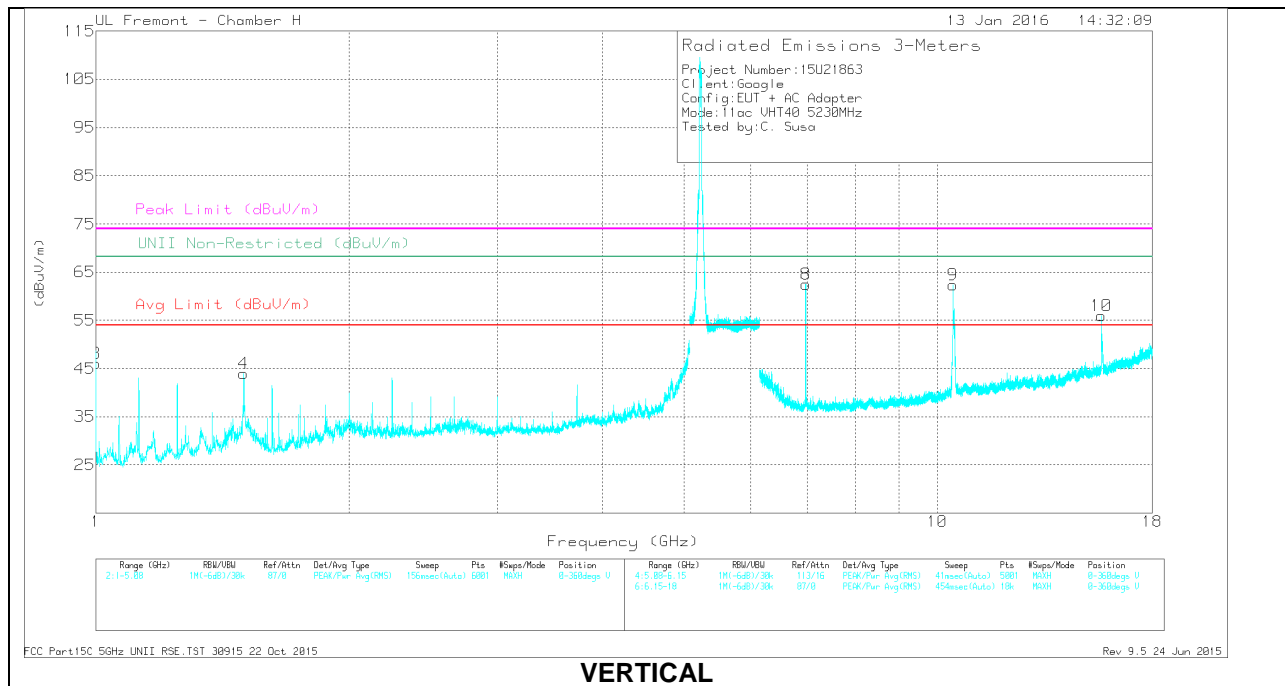
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**HIGH CHANNEL DATA**

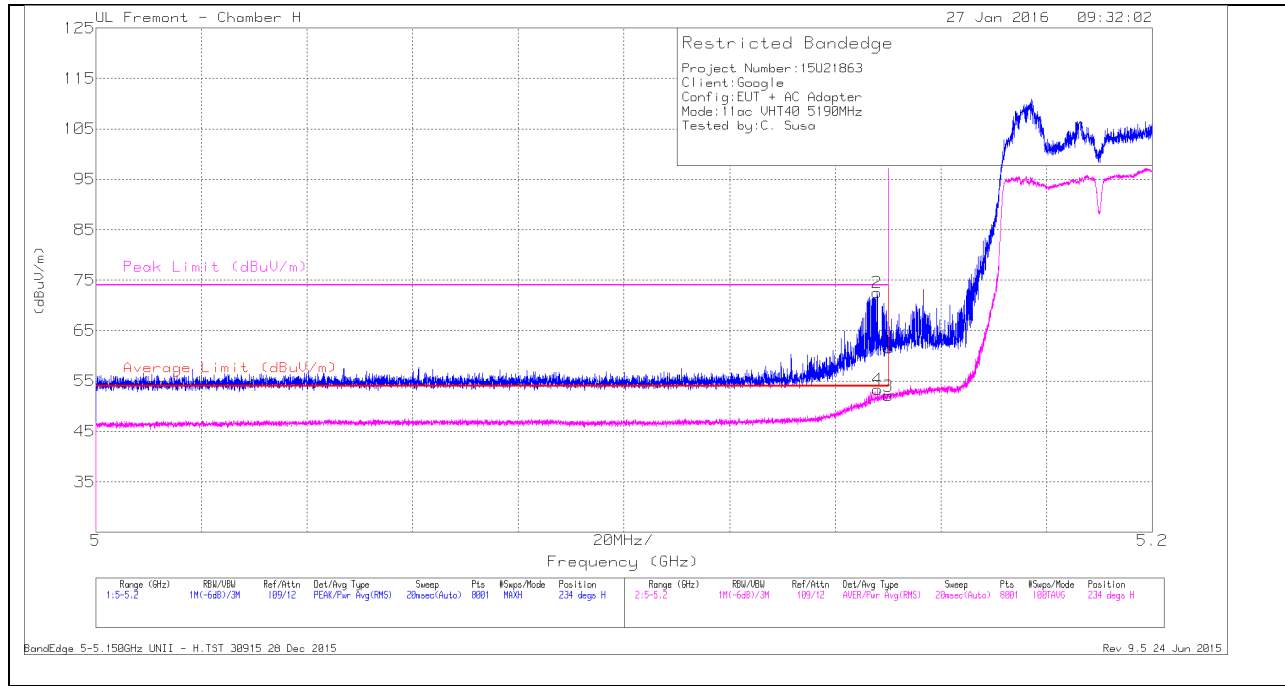
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	62.01	PK-U	27	-34.2	0	54.81	-	-	74	-19.19	-	-	289	172	H
	* 1	58.33	ADR	27	-34.2	.82	51.95	54	-2.05	-	-	-	-	289	172	H
2	* 1.5	60.7	PK-U	28.1	-34.3	0	54.5	-	-	74	-19.5	-	-	290	164	H
	* 1.5	52.24	ADR	28.1	-34.3	.82	46.86	54	-7.14	-	-	-	-	290	164	H
3	* 1	60.88	PK-U	27	-34.2	0	53.68	-	-	74	-20.32	-	-	244	354	V
	* 1	57.76	ADR	27	-34.2	.82	51.38	54	-2.62	-	-	-	-	244	354	V
4	* 1.5	57.28	PK-U	28.1	-34.3	0	51.08	-	-	74	-22.92	-	-	200	338	V
	* 1.5	49.12	ADR	28.1	-34.3	.82	43.74	54	-10.26	-	-	-	-	200	338	V
7	* 15.652	40.57	PK-U	40.9	-21.4	0	60.07	-	-	74	-13.93	-	-	276	274	H
	* 15.69	25.49	ADR	40.9	-21.8	.82	45.41	54	-8.59	-	-	-	-	276	274	H
10	* 15.648	45.82	PK-U	40.9	-21.5	0	65.22	-	-	74	-8.78	-	-	348	219	V
	* 15.69	29.79	ADR	40.9	-21.8	.82	49.71	54	-4.29	-	-	-	-	348	219	V
5	6.973	56.18	PK-U	35.8	-27.2	0	64.78	-	-	-	-	68.2	-3.42	153	100	H
8	6.973	54.85	PK-U	35.8	-27.2	0	63.45	-	-	-	-	68.2	-4.75	18	218	V
6	10.431	51.53	PK-U	37.3	-23.6	0	65.23	-	-	-	-	68.2	-2.97	222	180	H
9	10.436	51.45	PK-U	37.4	-23.6	0	65.25	-	-	-	-	68.2	-2.95	356	189	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

**4Tx 1 STREAM BF MODE**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

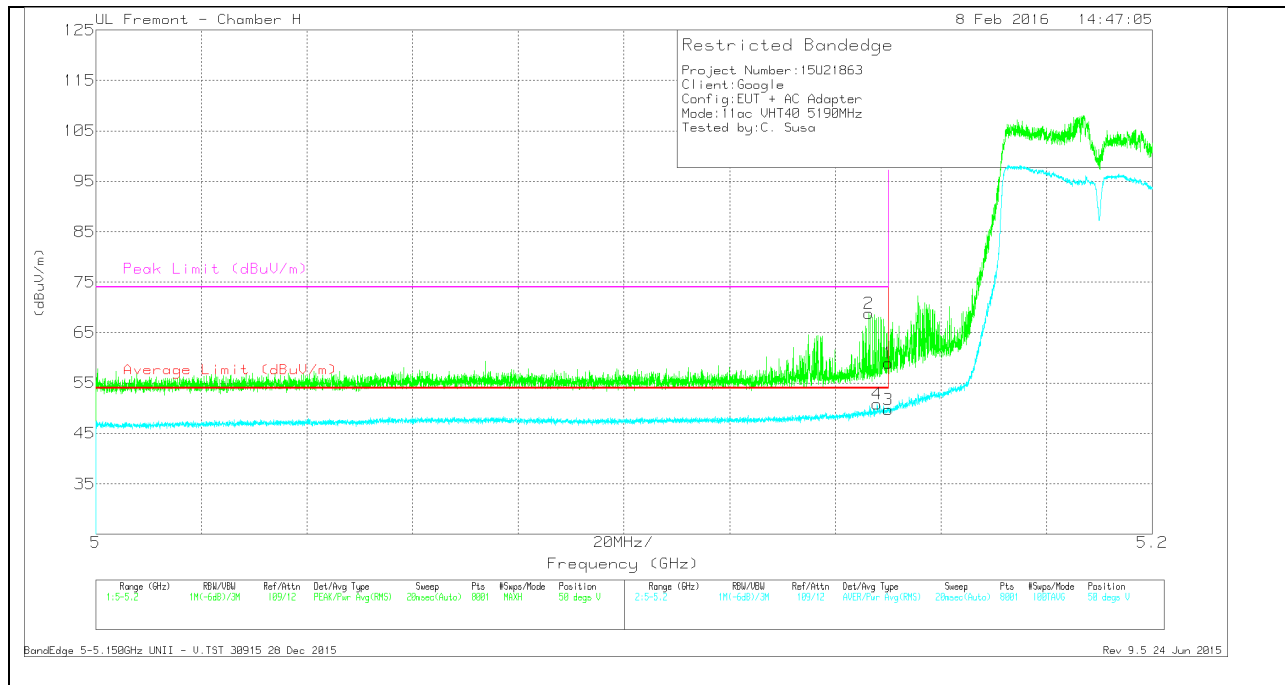
**HORIZONTAL RESULTS**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.66	Pk	34.4	-18.5	0	61.56	-	-	74	-12.44	234	319	H
2	* 5.148	56.61	Pk	34.4	-18.5	0	72.51	-	-	74	-1.49	234	319	H
3	* 5.15	35.02	RMS	34.4	-18.5	1.11	52.03	54	-1.97	-	-	234	319	H
4	* 5.148	36.31	RMS	34.4	-18.5	1.11	53.32	54	-68	-	-	234	319	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.02	Pk	34.4	-18.5	0	58.92	-	-	74	-15.08	50	248	V
2	* 5.146	52.76	Pk	34.4	-18.4	0	68.76	-	-	74	-5.24	50	248	V
3	* 5.15	32.75	RMS	34.4	-18.5	1.11	49.76	54	-4.24	-	-	50	248	V
4	* 5.148	33.8	RMS	34.4	-18.5	1.11	50.81	54	-3.19	-	-	50	248	V

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

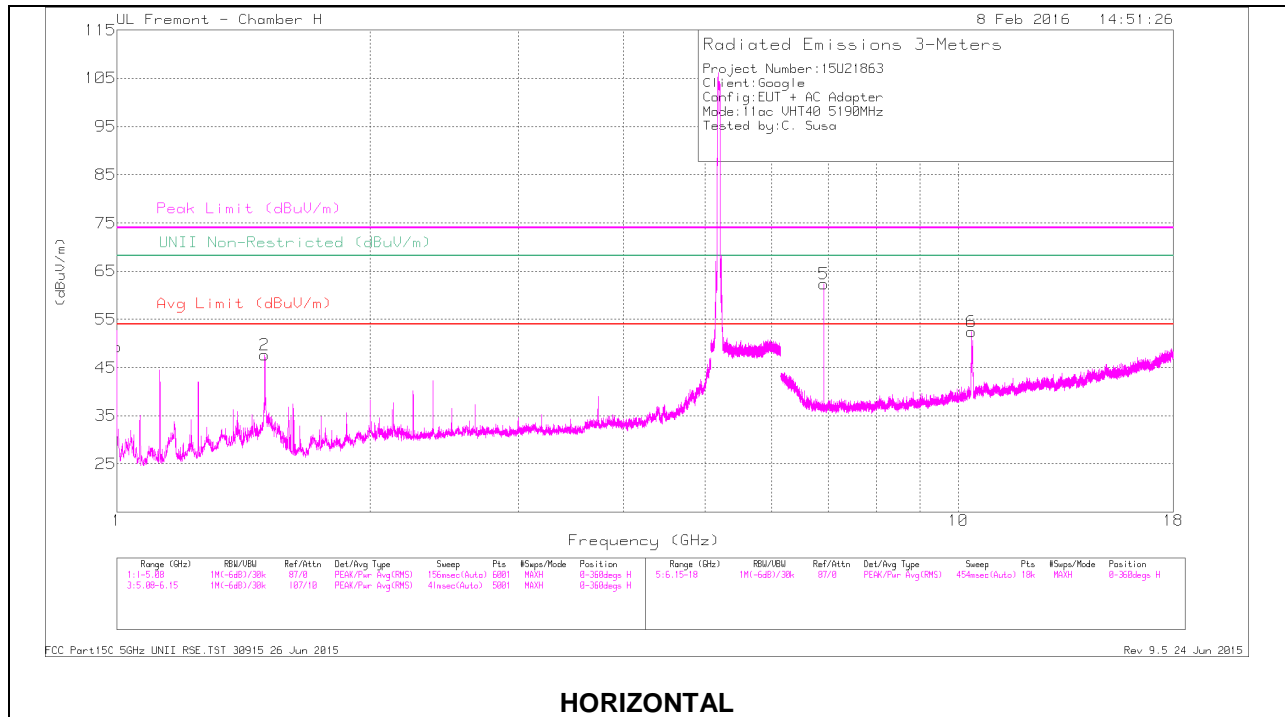
Pk - Peak detector

RMS - RMS detection

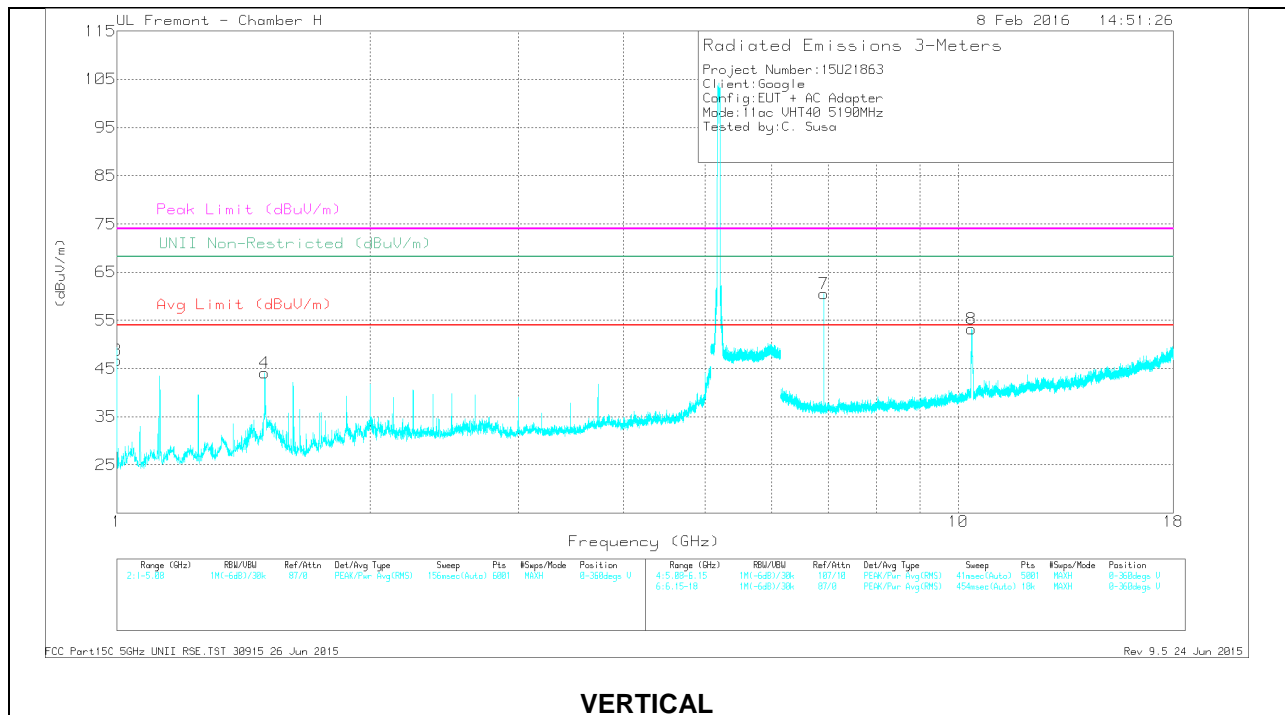


## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

**LOW CHANNEL DATA**

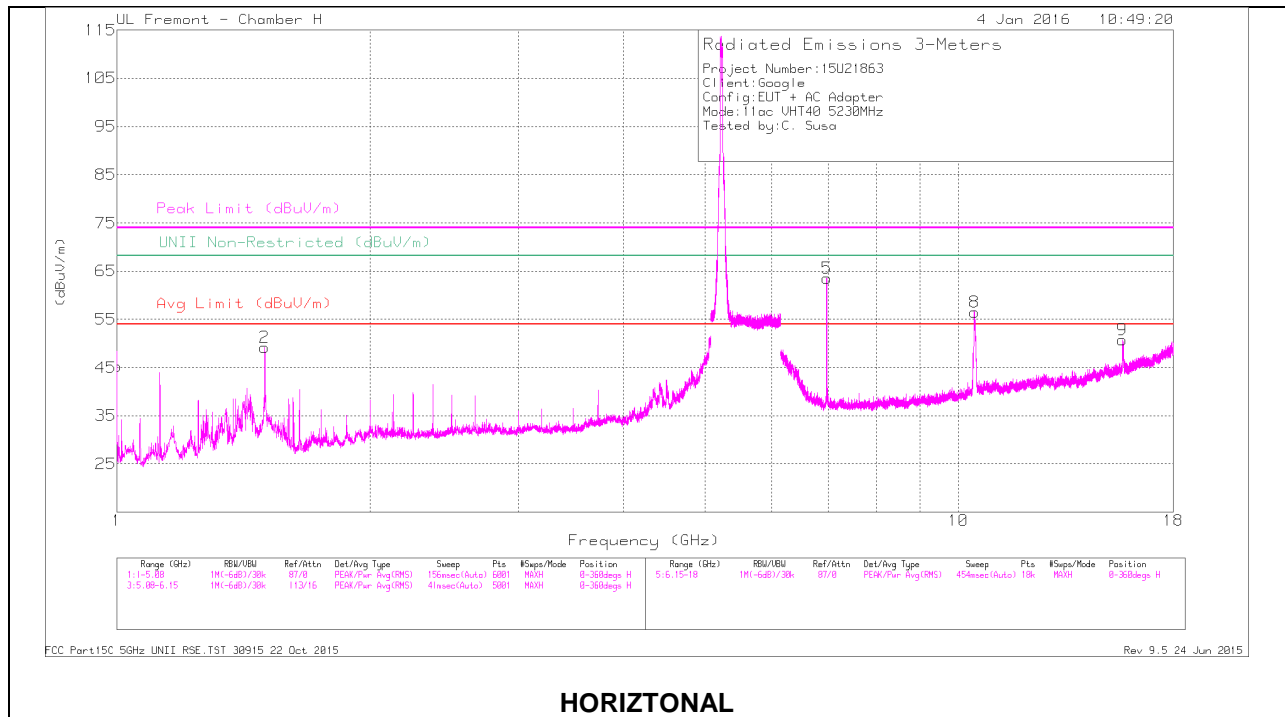
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	61.89	PK-U	27	-34.2	0	54.69	-	-	74	-19.31	-	-	277	180	H
	* 1	57.75	ADR	27	-34.2	1.11	51.66	54	-2.34	-	-	-	-	277	180	H
2	* 1.5	59.67	PK-U	28.1	-34.3	0	53.47	-	-	74	-20.53	-	-	286	163	H
	* 1.5	53.07	ADR	28.1	-34.3	1.11	47.98	54	-6.02	-	-	-	-	286	163	H
3	* 1	59.57	PK-U	27	-34.2	0	52.37	-	-	74	-21.63	-	-	262	257	V
	* 1	56.46	ADR	27	-34.2	1.11	50.37	54	-3.63	-	-	-	-	262	257	V
4	* 1.5	57.63	PK-U	28.1	-34.3	0	51.43	-	-	74	-22.57	-	-	220	291	V
	* 1.5	49.67	ADR	28.1	-34.3	1.11	44.58	54	-9.42	-	-	-	-	220	291	V
5	6.92	55.26	PK-U	35.8	-27.7	0	63.36	-	-	-	-	68.2	-4.84	341	100	H
7	6.92	54.76	PK-U	35.8	-27.7	0	62.86	-	-	-	-	68.2	-5.34	65	101	V
6	10.36	46.52	PK-U	37.2	-23.4	0	60.32	-	-	-	-	68.2	-7.88	231	195	V
8	10.362	45.58	PK-U	37.2	-23.4	0	59.38	-	-	-	-	68.2	-8.82	174	242	H

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

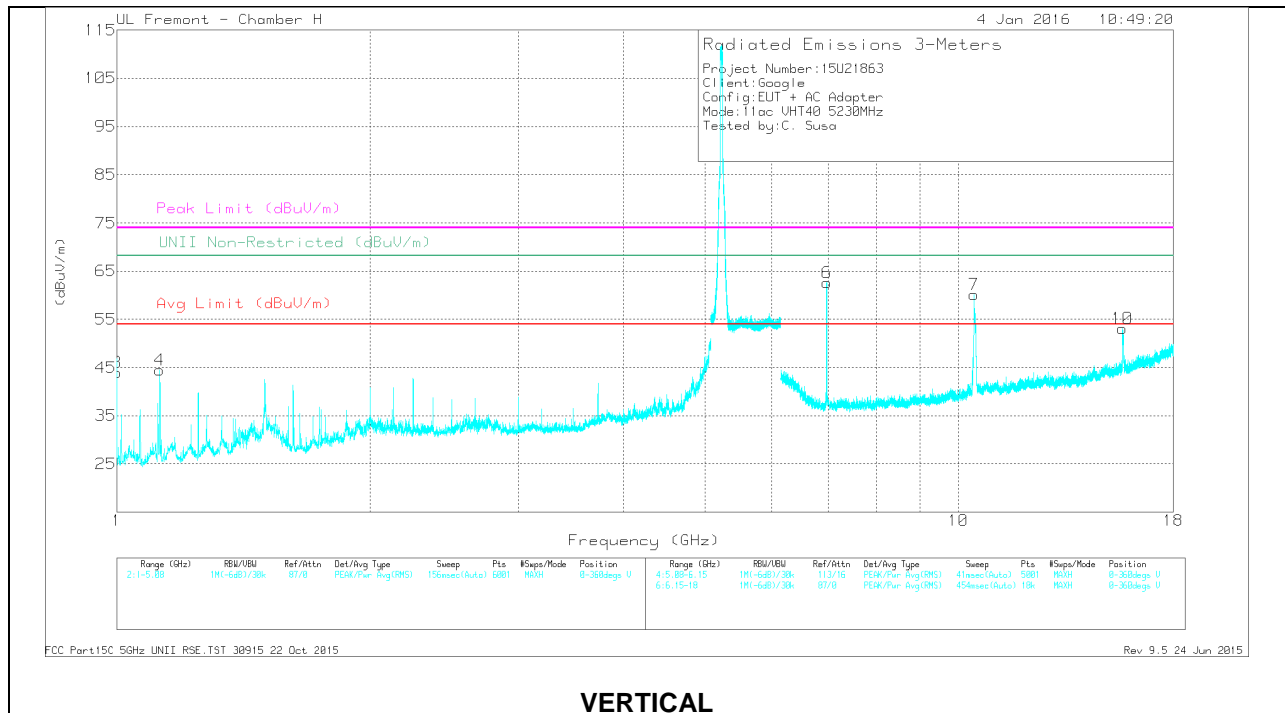
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

**HIGH CHANNEL DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/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	57.38	PK-U	27	-34.2	0	50.18	-	-	74	-23.82	-	-	297	199	H
		53.86	ADR	27	-34.2	.88	47.54	54	-6.46	-	-	-	-	297	199	H
2	* 1.5	59.32	PK-U	28.1	-34.3	0	53.12	-	-	74	-20.88	-	-	57	173	H
		54.39	ADR	28.1	-34.3	.88	49.07	54	-4.93	-	-	-	-	57	173	H
3	* 1	58.12	PK-U	27	-34.2	0	50.92	-	-	74	-23.08	-	-	352	328	V
		54.7	ADR	27	-34.2	.88	48.38	54	-5.62	-	-	-	-	352	328	V
4	* 1.125	54.92	PK-U	27.4	-34.4	0	47.92	-	-	74	-26.08	-	-	338	333	V
		52.17	ADR	27.4	-34.4	.88	46.05	54	-7.95	-	-	-	-	338	333	V
9	* 15.652	41.16	PK-U	40.9	-21.4	0	60.66	-	-	74	-13.34	-	-	34	305	H
		27.5	ADR	40.9	-21.7	.88	47.58	54	-6.42	-	-	-	-	34	305	H
10	* 15.649	44.74	PK-U	40.9	-21.5	0	64.14	-	-	74	-9.86	-	-	79	231	V
		28.65	ADR	40.9	-21.7	.88	48.73	54	-5.27	-	-	-	-	79	231	V
5	6.973	58.43	PK-U	35.8	-27.2	0	67.03	-	-	-	-	68.2	-1.17	61	285	H
6	6.973	55.26	PK-U	35.8	-27.2	0	63.86	-	-	-	-	68.2	-4.34	10	213	V
8	10.434	53.52	PK-U	37.3	-23.6	0	67.22	-	-	-	-	68.2	-.98	345	121	H
7	10.441	50.37	PK-U	37.4	-23.5	0	64.27	-	-	-	-	68.2	-3.93	198	163	V

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

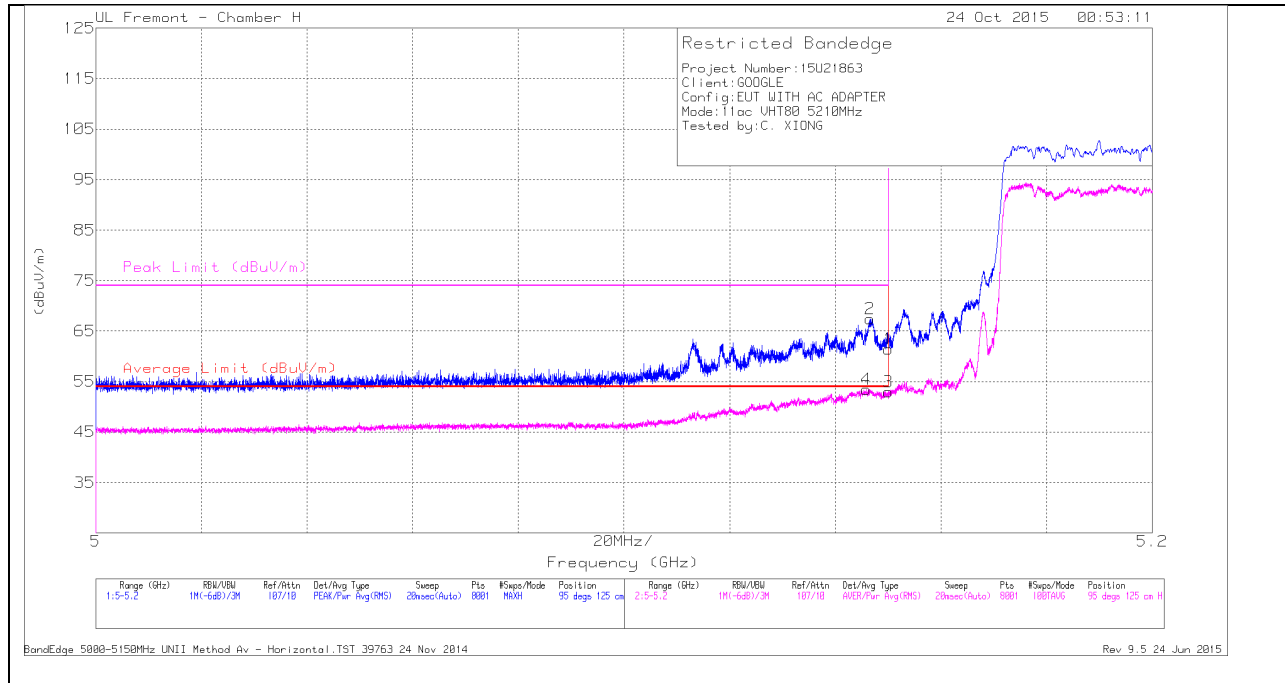
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 5.1.4. 802.11ac VHT80 MODE IN THE 5.2GHz BAND

#### 4Tx 4 STREAM CDD MODE

### RESTRICTED BANDEGE HORIZONTAL RESULTS



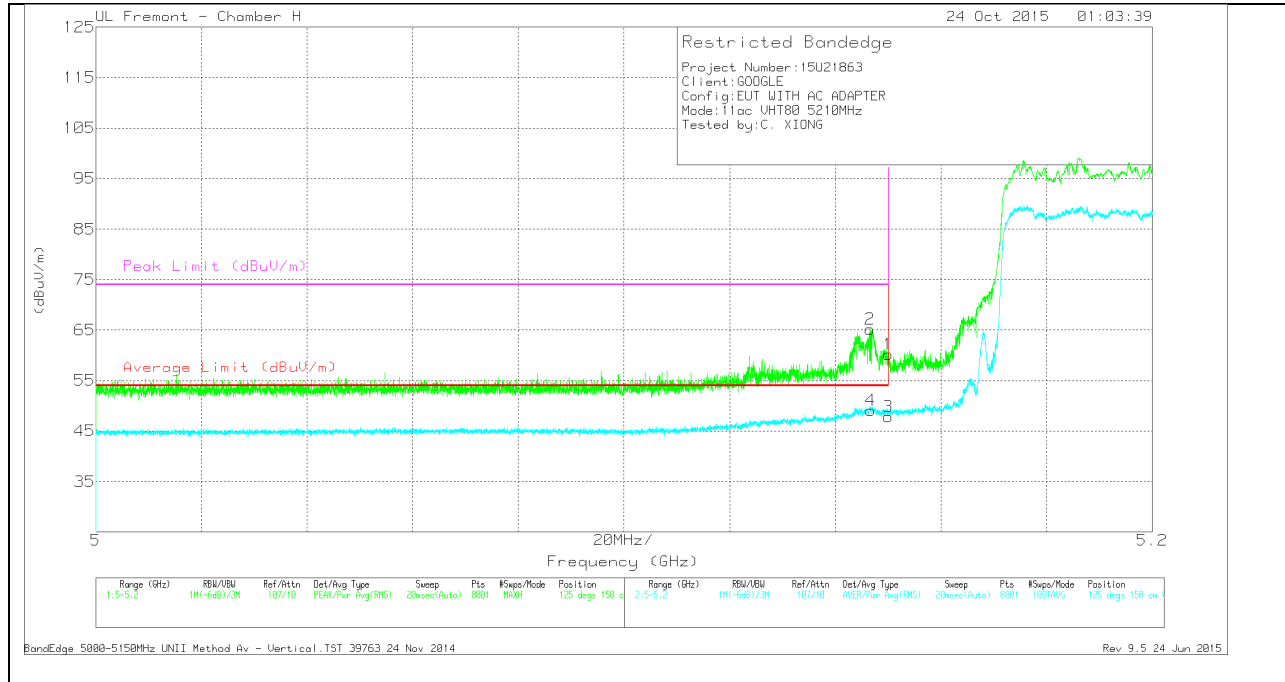
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.8	Pk	34.4	-18.8	0	61.4	-	-	74	-12.6	95	125	H
2	* 5.147	51.82	Pk	34.4	-18.8	0	67.42	-	-	74	-6.58	95	125	H
3	* 5.15	36.62	RMS	34.4	-18.8	.72	52.94	54	-1.06	-	-	95	125	H
4	* 5.146	37.15	RMS	34.4	-18.8	.72	53.47	54	-0.53	-	-	95	125	H

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

Pk - Peak detector

RMS - RMS detection

### VERTICAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.58	Pk	34.4	-18.8	0	60.18	-	-	74	-13.82	125	158	V
2	* 5.147	49.58	Pk	34.4	-18.8	0	65.18	-	-	74	-8.82	125	158	V
3	* 5.15	32.27	RMS	34.4	-18.8	.72	48.59	54	-5.41	-	-	125	158	V
4	* 5.147	33.53	RMS	34.4	-18.8	.72	49.85	54	-4.15	-	-	125	158	V

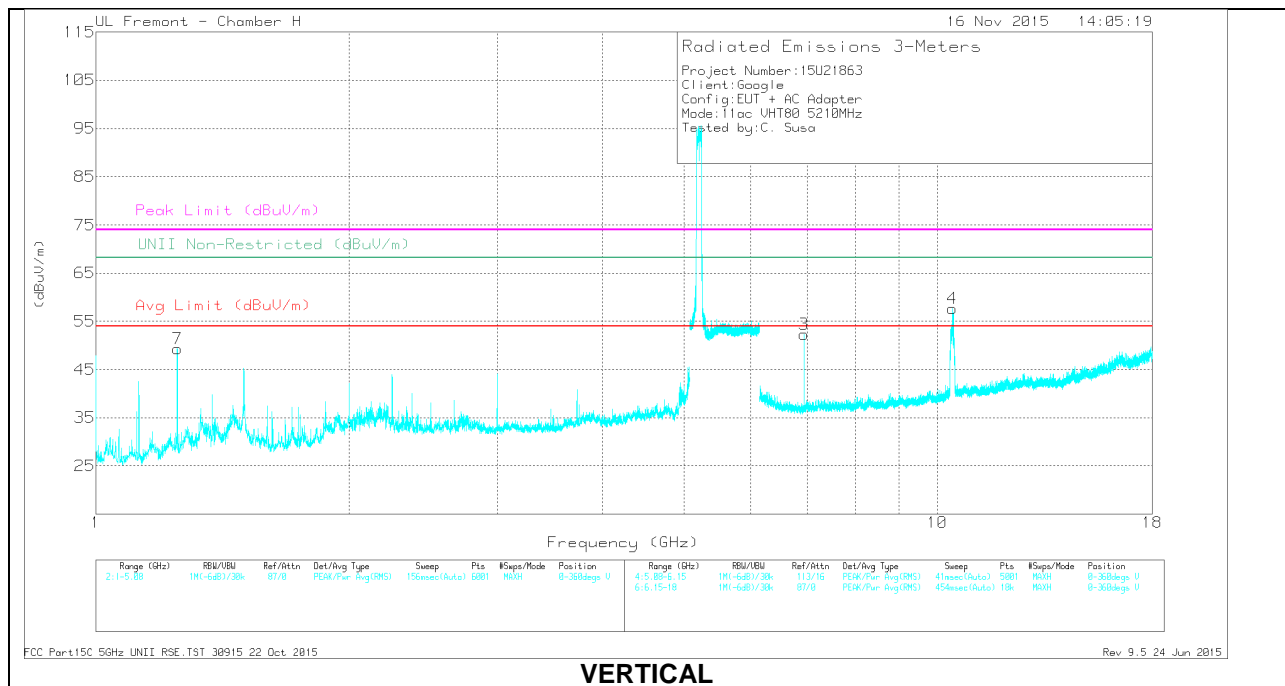
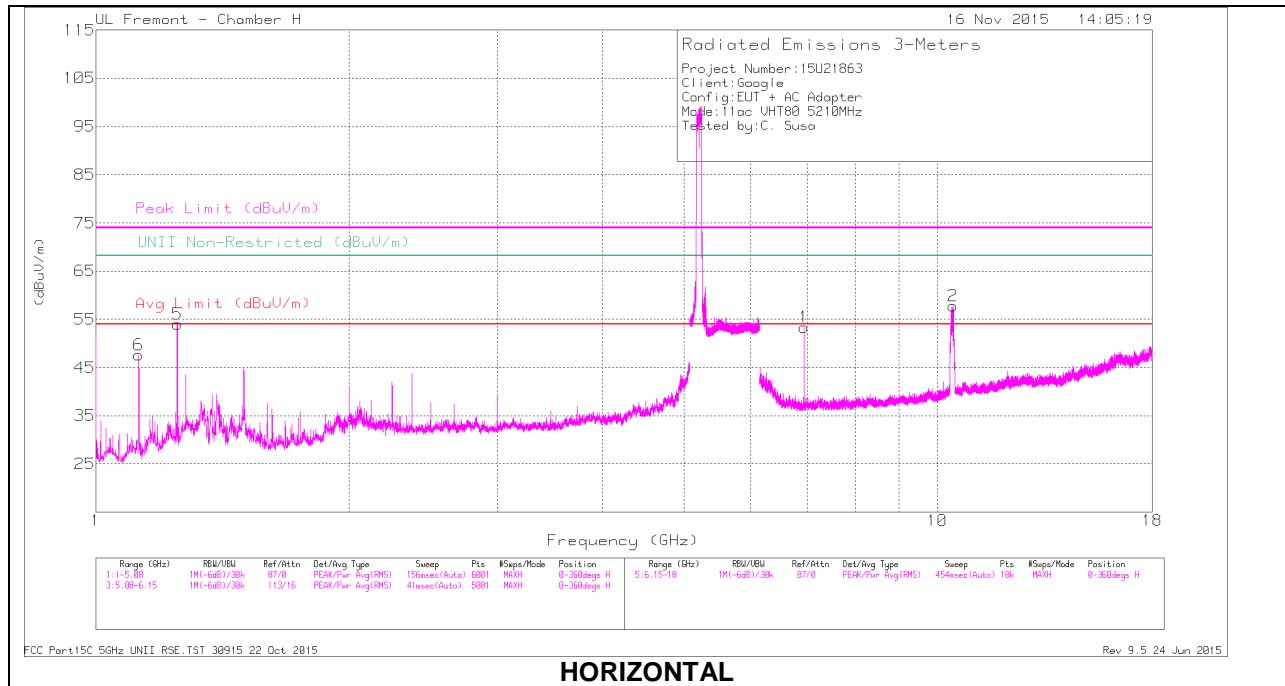
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



MID CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/ Fitr/ 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	* 1.25	61.98	PK-U	28.5	-34.5	0	55.98	-	-	74	-18.02	-	-	62	127	H
	* 1.25	59.25	ADR	28.5	-34.5	.72	53.97	54	-.03	-	-	-	-	62	127	H
6	* 1.125	58.44	PK-U	27.4	-34.5	0	51.34	-	-	74	-22.66	-	-	313	268	H
	* 1.125	54.09	ADR	27.4	-34.5	.72	47.71	54	-6.29	-	-	-	-	313	268	H
7	* 1.25	59.86	PK-U	28.5	-34.5	0	53.86	-	-	74	-20.14	-	-	293	279	V
	* 1.25	57.69	ADR	28.5	-34.5	.72	52.41	54	-1.59	-	-	-	-	293	279	V
1	6.947	49.51	PK-U	35.8	-29.4	0	55.91	-	-	-	-	68.2	-12.29	110	107	H
3	6.947	48.2	PK-U	35.8	-29.4	0	54.6	-	-	-	-	68.2	-13.6	139	208	V
2	10.436	53.01	PK-U	37.4	-25.1	0	65.31	-	-	-	-	68.2	-2.89	256	109	H
4	10.44	53.77	PK-U	37.4	-25	0	66.17	-	-	-	-	68.2	-2.03	319	194	V

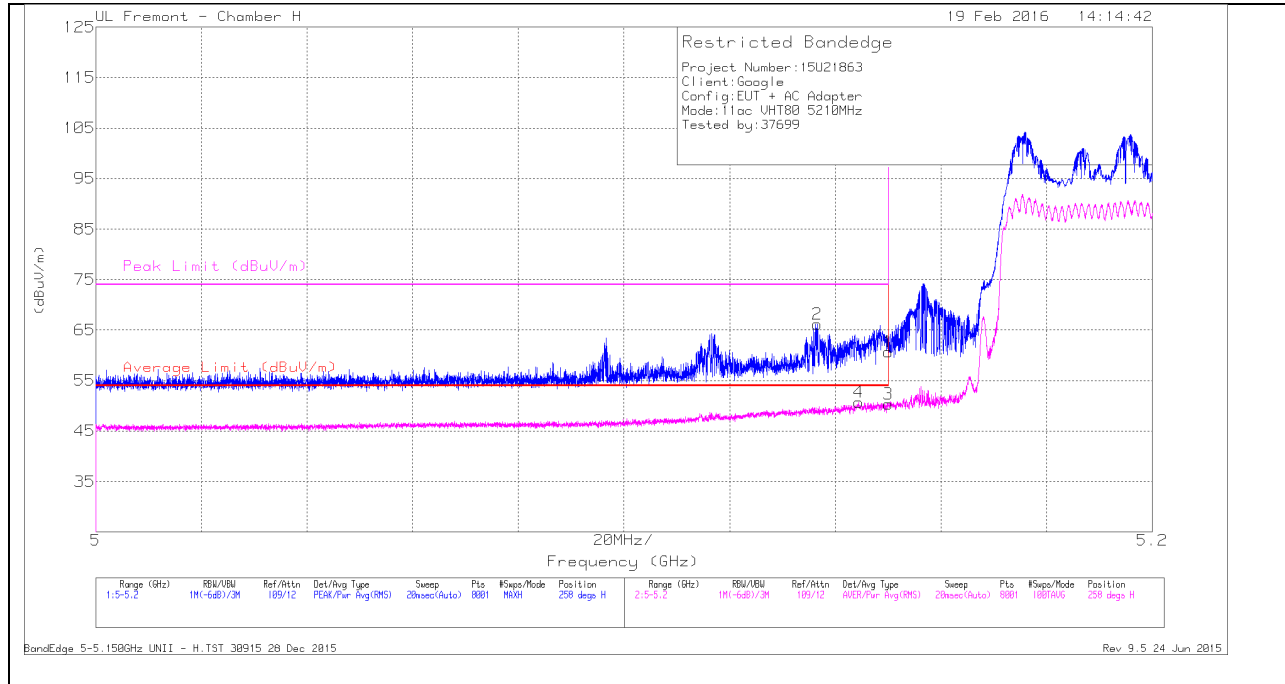
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average



**4Tx 1 STREAM CDD MODE**

**RESTRICTED BANDEDGE**

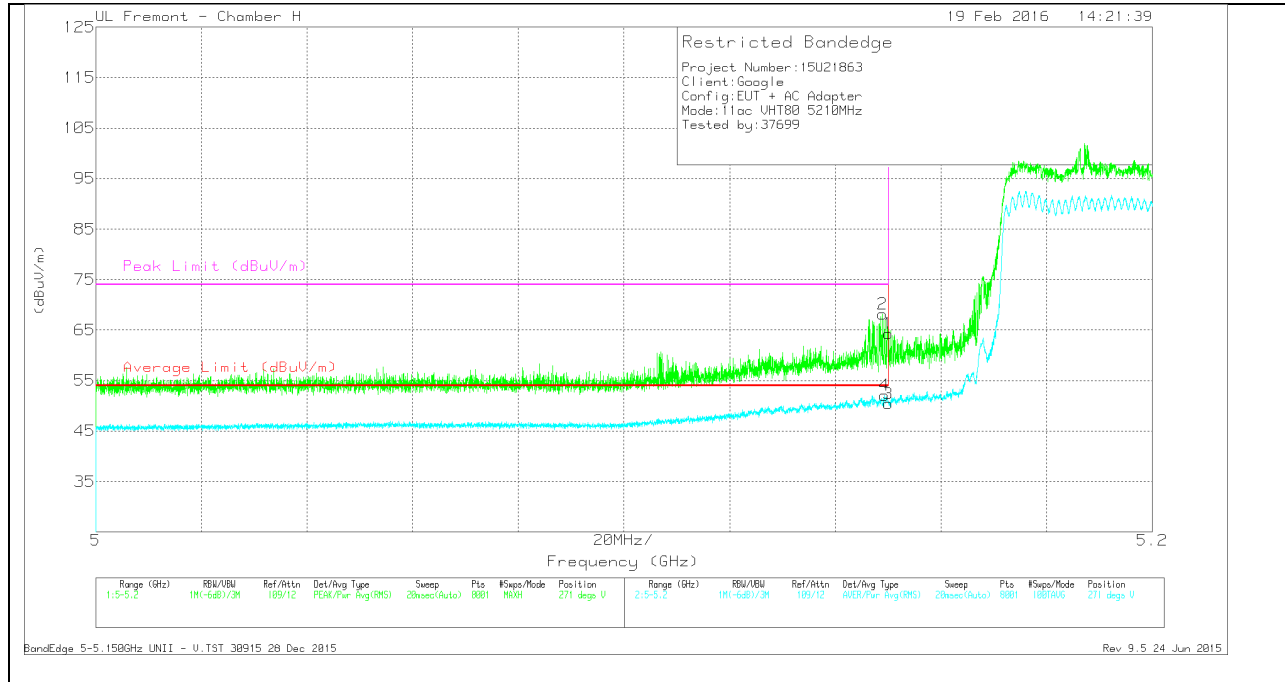
**HORIZONTAL RESULTS**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.137	50.23	Pk	34.4	-18.4	0	66.23	-	-	74	-7.77	258	110	H
4	* 5.144	34.5	RMS	34.4	-18.4	.25	50.75	54	-3.25	-	-	258	110	H
1	* 5.15	44.77	Pk	34.4	-18.5	0	60.67	-	-	74	-13.33	258	110	H
3	* 5.15	34.19	RMS	34.4	-18.5	.25	50.34	54	-3.66	-	-	258	110	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS

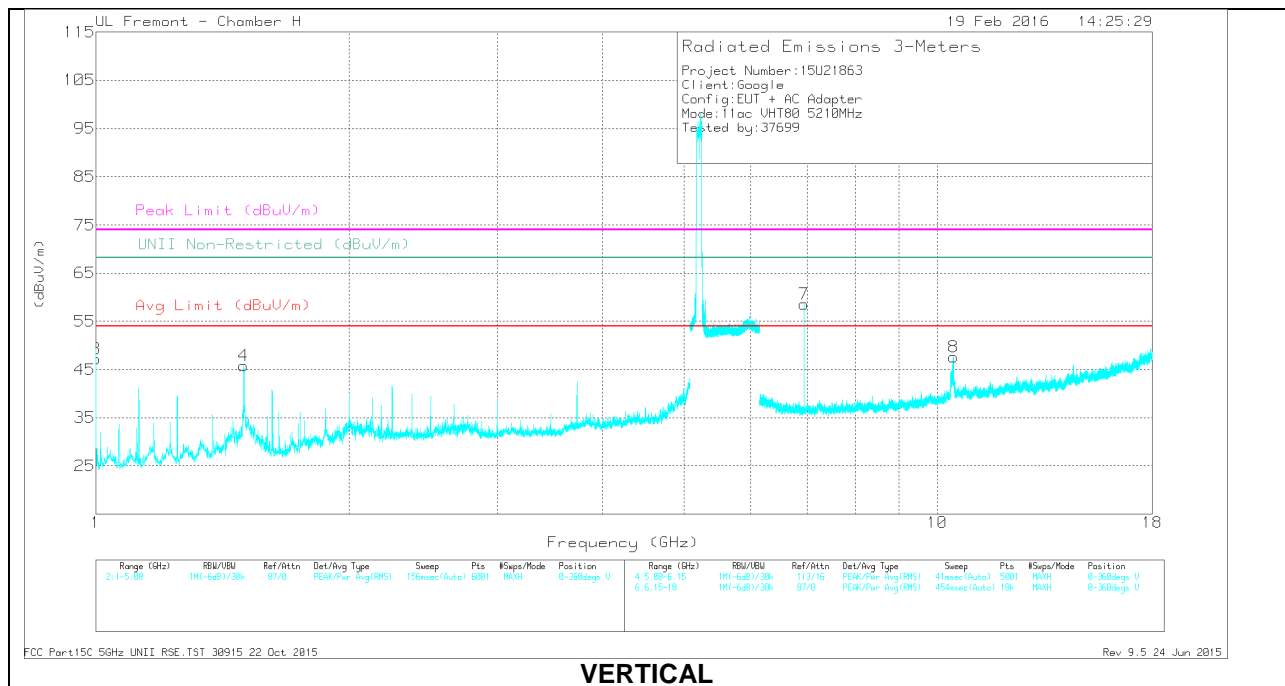
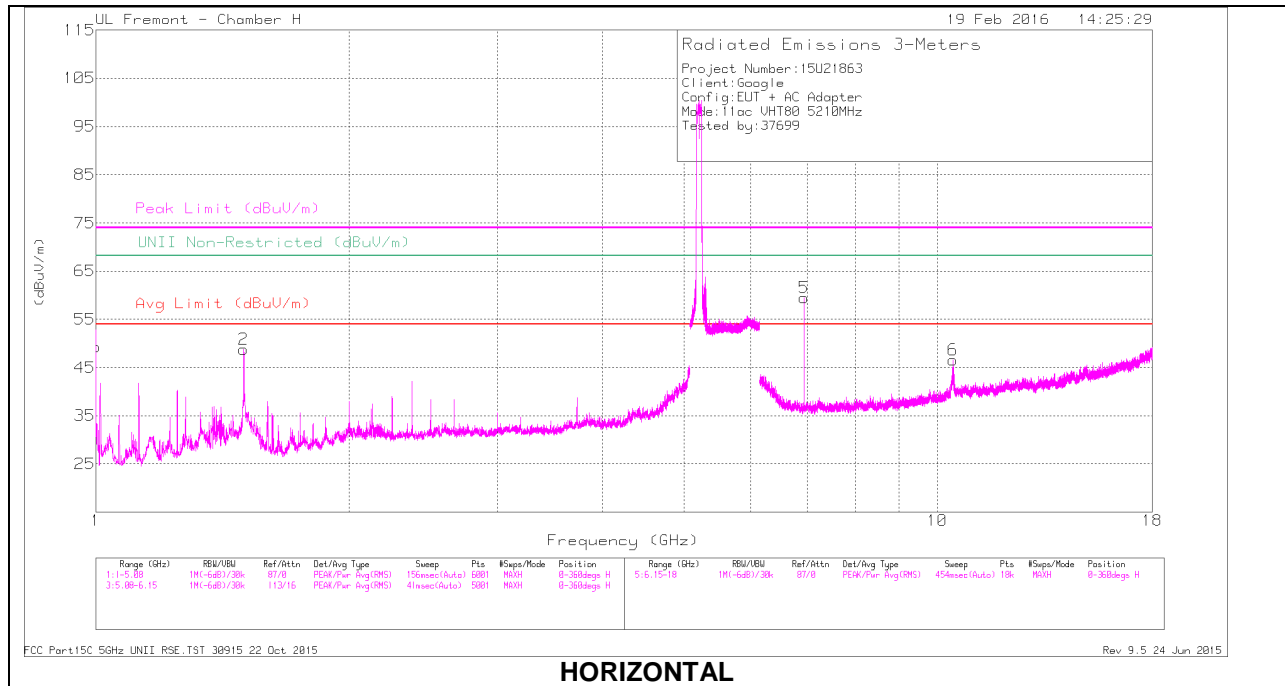


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.45	Pk	34.4	-18.5	0	64.35	-	-	74	-9.65	271	115	V
2	* 5.149	52.28	Pk	34.4	-18.5	0	68.18	-	-	74	-5.82	271	115	V
3	* 5.15	34.26	RMS	34.4	-18.5	.25	50.41	54	-3.59	-	-	271	115	V
4	* 5.149	35.95	RMS	34.4	-18.5	.25	52.1	54	-1.9	-	-	271	115	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



MID CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F Itr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	62.19	PK-U	27	-34.2	0	54.99	-	-	74	-19.01	-	-	271	180	H
	* 1	58.67	ADR	27	-34.2	.25	51.72	54	-2.28	-	-	-	-	271	180	H
2	* 1.5	57.84	PK-U	28.1	-34.3	0	51.64	-	-	74	-22.36	-	-	263	187	H
	* 1.5	54.24	ADR	28.1	-34.3	.25	48.29	54	-5.71	-	-	-	-	263	187	H
3	* 1	59.95	PK-U	27	-34.2	0	52.75	-	-	74	-21.25	-	-	255	388	V
	* 1	57.87	ADR	27	-34.2	.25	50.92	54	-3.08	-	-	-	-	255	388	V
4	* 1.5	57.77	PK-U	28.1	-34.3	0	51.57	-	-	74	-22.43	-	-	82	194	V
	* 1.5	49.68	ADR	28.1	-34.3	.25	43.73	54	-10.27	-	-	-	-	82	194	V
5	6.947	53.53	PK-U	35.8	-27.6	0	61.73	-	-	-	-	68.2	-6.47	157	222	H
	6.947	49.49	PK-U	35.8	-27.6	0	57.69	-	-	-	-	68.2	-10.51	209	227	V
6	10.441	39.6	PK-U	37.4	-23.5	0	53.5	-	-	-	-	68.2	-14.7	132	114	V
	10.443	38.01	PK-U	37.4	-23.5	0	51.91	-	-	-	-	68.2	-16.29	210	232	H

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

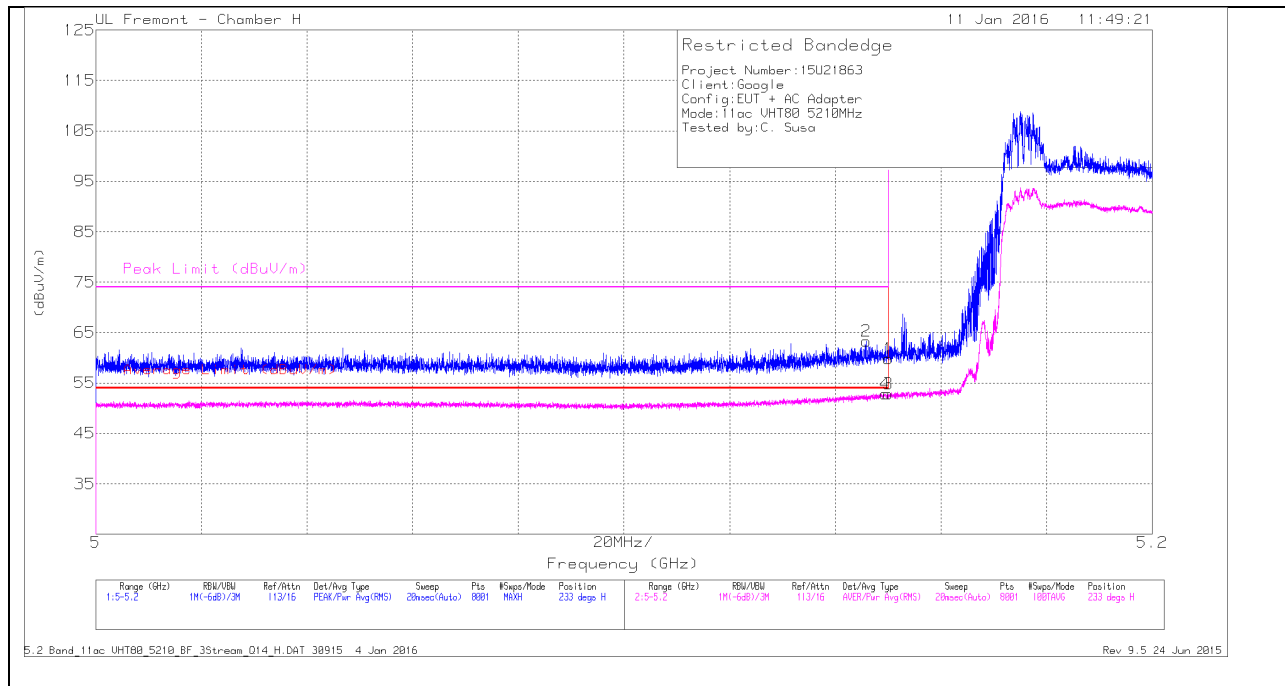
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**4Tx 3 STREAM BF MODE**

**RESTRICTED BANDEDGE**

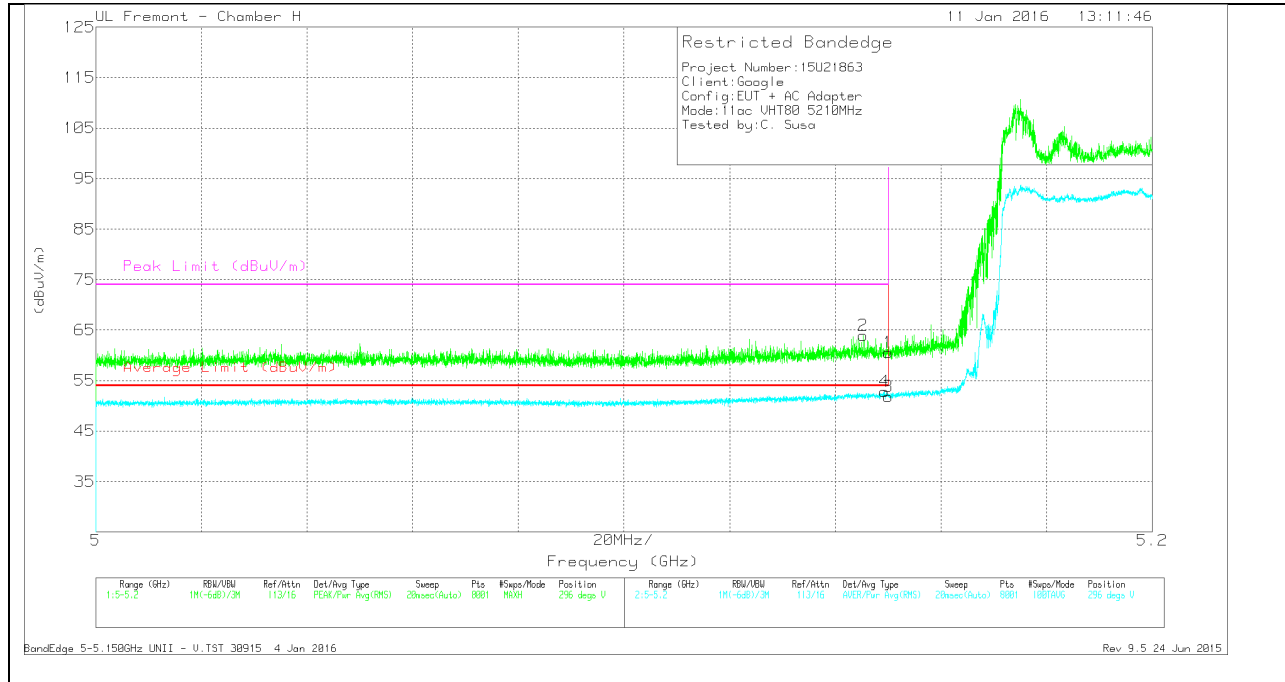
**HORIZONTAL RESULTS**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fi tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.95	Pk	34.4	-18.5	0	59.85	-	-	74	-14.15	233	369	H
2	* 5.146	47.33	Pk	34.4	-18.4	0	63.33	-	-	74	-10.67	233	369	H
3	* 5.15	36.28	RMS	34.4	-18.5	.65	52.83	54	-1.17	-	-	233	369	H
4	* 5.149	36.28	RMS	34.4	-18.5	.65	52.83	54	-1.17	-	-	233	369	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS

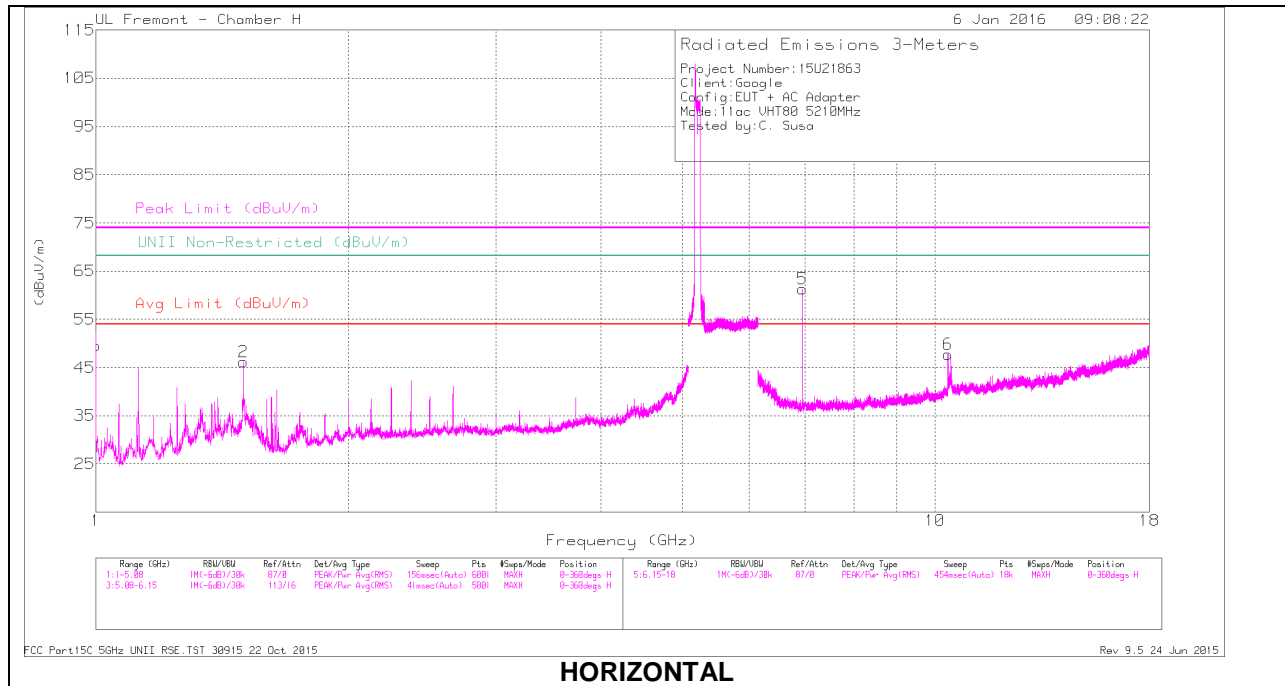


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.145	47.92	Pk	34.4	-18.4	0	63.92	-	-	74	-10.08	296	154	V
4	* 5.149	36.29	RMS	34.4	-18.5	.65	52.84	54	-1.16	-	-	296	154	V
1	* 5.15	44.66	Pk	34.4	-18.5	0	60.56	-	-	74	-13.44	296	154	V
3	* 5.15	35.33	RMS	34.4	-18.5	.65	51.88	54	-2.12	-	-	296	154	V

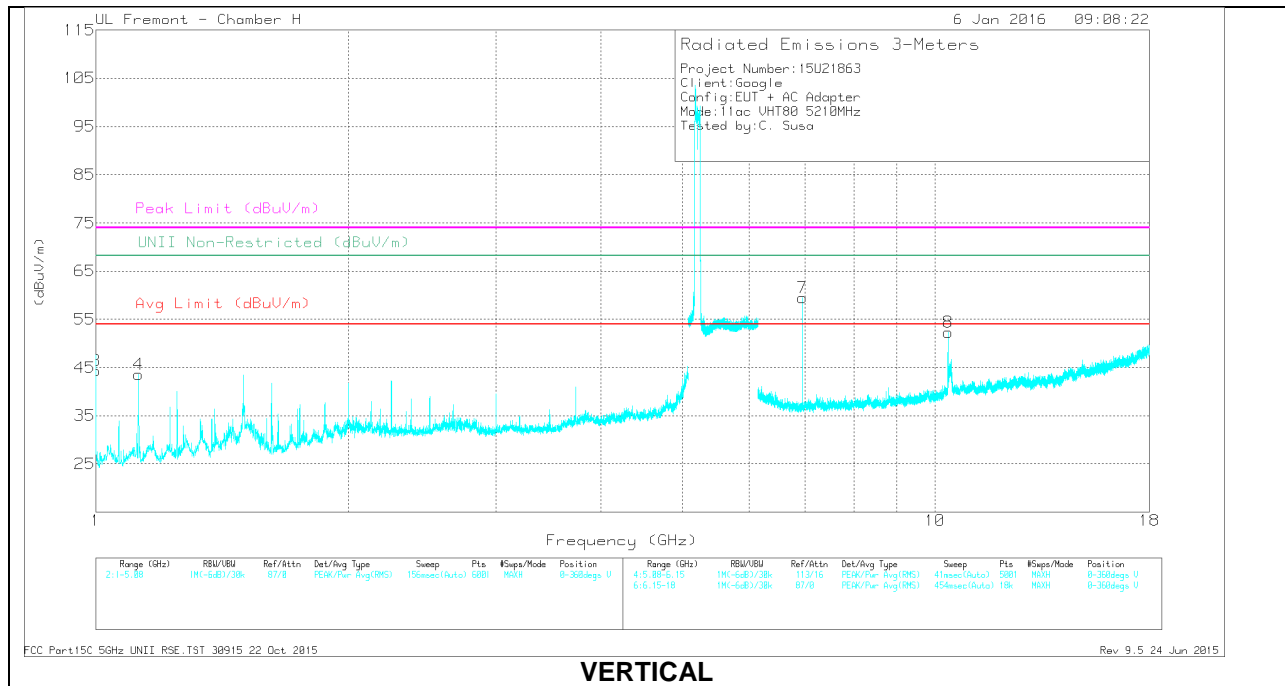
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



**HORIZONTAL**



**VERTICAL**

**MID CHANNEL DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	62.04	PK-U	27	-34.2	0	54.84	-	-	74	-19.16	-	-	59	169	H
	* 1	58.2	ADR	27	-34.2	.65	51.65	54	-2.35	-	-	-	-	59	169	H
2	* 1.5	58.43	PK-U	28.1	-34.3	0	52.23	-	-	74	-21.77	-	-	304	171	H
	* 1.5	50.18	ADR	28.1	-34.3	.65	44.63	54	-9.37	-	-	-	-	304	171	H
3	* 1	58.02	PK-U	27	-34.2	0	50.82	-	-	74	-23.18	-	-	31	243	V
	* 1	55.33	ADR	27	-34.2	.65	48.78	54	-5.22	-	-	-	-	31	243	V
4	* 1.125	54.87	PK-U	27.4	-34.4	0	47.87	-	-	74	-26.13	-	-	345	339	V
	* 1.125	51.92	ADR	27.4	-34.4	.65	45.57	54	-8.43	-	-	-	-	345	339	V
5	6.947	53.24	PK-U	35.8	-27.6	0	61.44	-	-	-	-	68.2	-6.76	266	371	H
7	6.947	52.28	PK-U	35.8	-27.6	0	60.48	-	-	-	-	68.2	-7.72	20	333	V
8	10.354	45.02	PK-U	37.2	-23.2	0	59.02	-	-	-	-	68.2	-9.18	281	274	V
6	10.361	44.63	PK-U	37.2	-23.4	0	58.43	-	-	-	-	68.2	-9.77	335	215	H

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

PK-U - U-NII: Maximum Peak

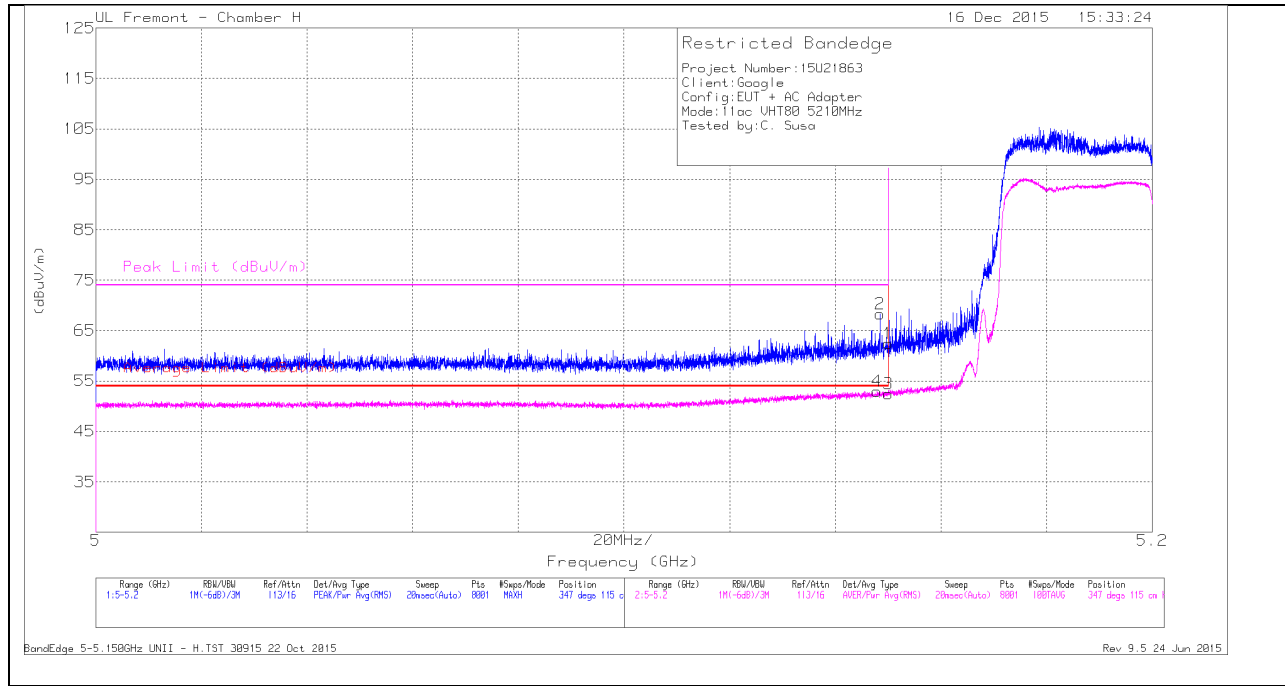
ADR - U-NII AD primary method, RMS average



**4Tx 1 STREAM BF MODE**

**RESTRICTED BANDEGE**

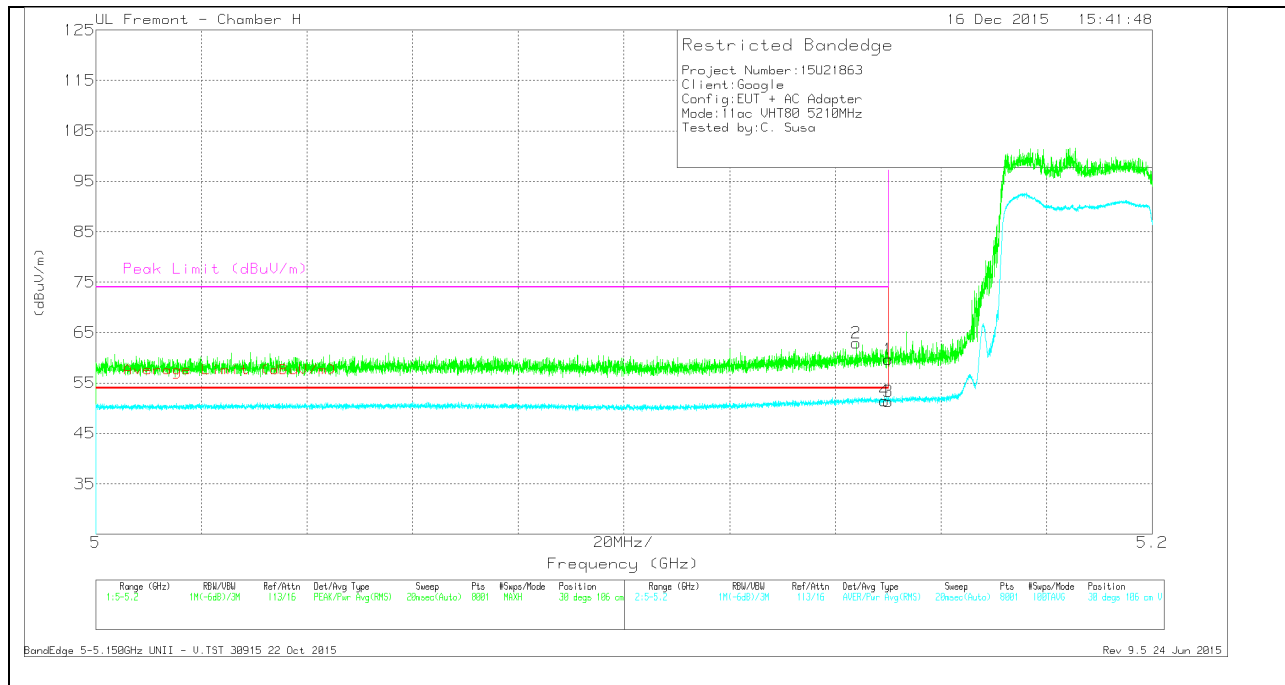
**HORIZONTAL RESULTS**



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.148	52.72	Pk	34.4	-18.8	0	68.32	-	-	74	-5.68	347	115	H
4	* 5.148	36.63	RMS	34.4	-18.8	.72	52.95	54	-1.05	-	-	347	115	H
1	* 5.15	46.86	Pk	34.4	-18.8	0	62.46	-	-	74	-11.54	347	115	H
3	* 5.15	36.17	RMS	34.4	-18.8	.72	52.49	54	-1.51	-	-	347	115	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

### VERTICAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.144	47.36	Pk	34.4	-18.8	0	62.96	-	-	74	-11.04	30	106	V
4	* 5.149	35.83	RMS	34.4	-18.8	.82	52.25	54	-1.75	-	-	30	106	V
1	* 5.15	44.08	Pk	34.4	-18.8	0	59.68	-	-	74	-14.32	30	106	V
3	* 5.15	35.69	RMS	34.4	-18.8	.82	52.11	54	-1.89	-	-	30	106	V

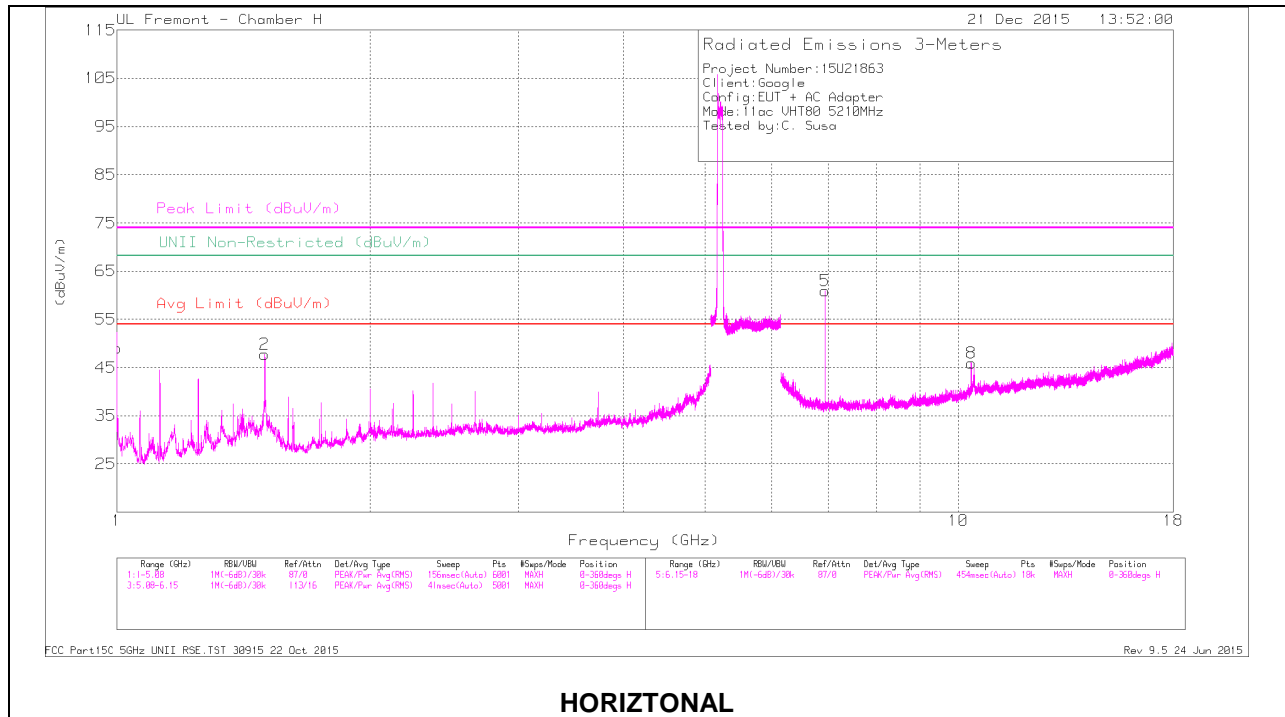
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

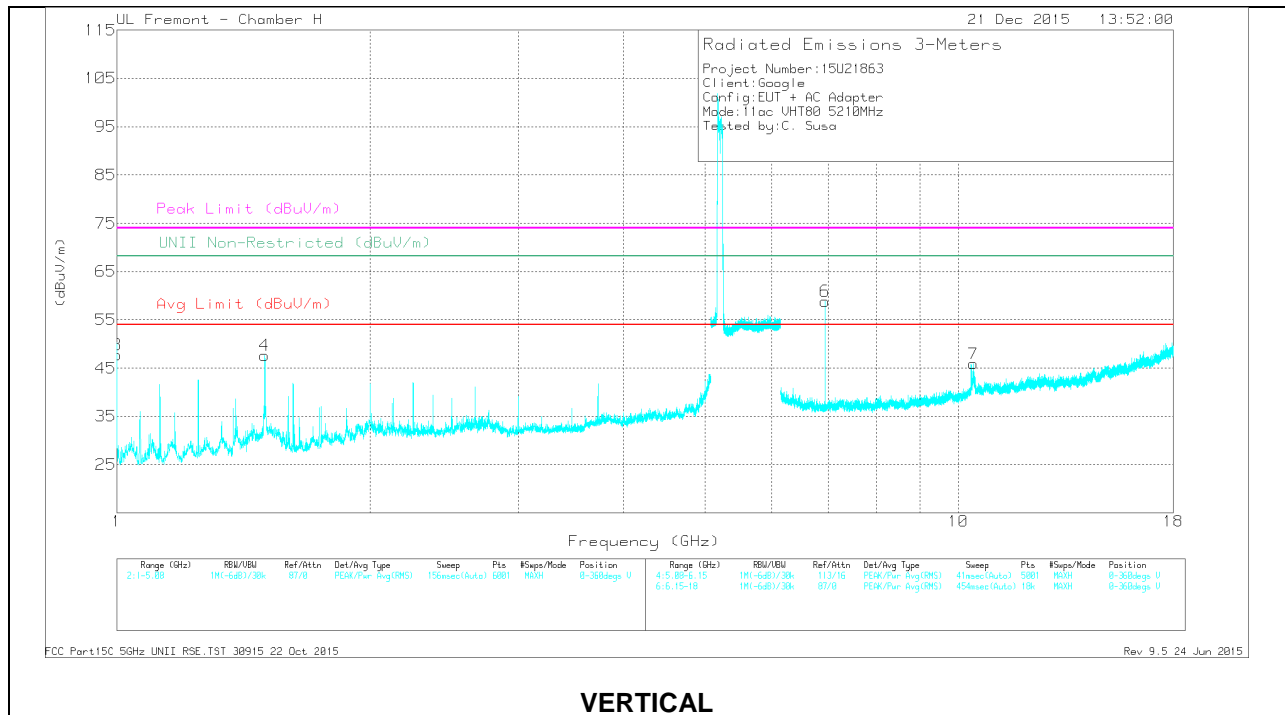
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

**MID CHANNEL DATA**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/F ltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	62.48	PK-U	27	-34.2	0	55.28	-	-	74	-18.72	-	-	53	169	H
	* 1	57.48	ADR	27	-34.2	.82	51.1	54	-2.9	-	-	-	-	53	169	H
2	* 1.5	58.77	PK-U	28.1	-34.3	0	52.57	-	-	74	-21.43	-	-	287	129	H
	* 1.5	53.81	ADR	28.1	-34.3	.82	48.43	54	-5.57	-	-	-	-	287	129	H
3	* 1	60.55	PK-U	27	-34.2	0	53.35	-	-	74	-20.65	-	-	22	219	V
	* 1	56.94	ADR	27	-34.2	.82	50.56	54	-3.44	-	-	-	-	22	219	V
4	* 1.5	58.2	PK-U	28.1	-34.3	0	52	-	-	74	-22	-	-	286	231	V
	* 1.5	52.36	ADR	28.1	-34.3	.82	46.98	54	-7.02	-	-	-	-	286	231	V
5	6.947	54.79	PK-U	35.8	-27.6	0	62.99	-	-	-	-	68.2	-5.21	267	155	H
6	6.947	52.54	PK-U	35.8	-27.6	0	60.74	-	-	-	-	68.2	-7.46	339	239	V
8	10.368	41.99	PK-U	37.2	-23.4	0	55.79	-	-	-	-	68.2	-12.41	354	119	H
7	10.42	37.81	PK-U	37.3	-23.5	0	51.61	-	-	-	-	68.2	-16.59	128	140	V

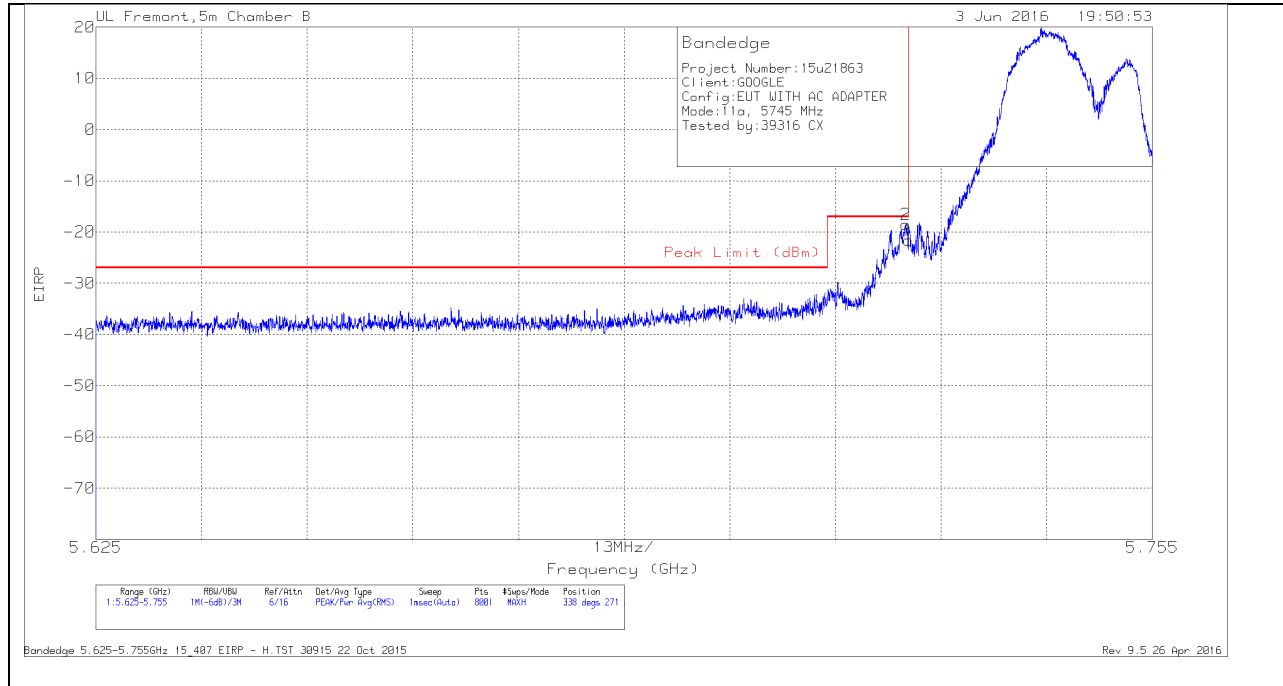
\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### 5.1.5. 802.11a MODE IN THE 5.8GHz BAND

#### 4Tx 1 STREAM CDD MODE

#### RESTRICTED BANDEDGE (LOW CHANNEL)

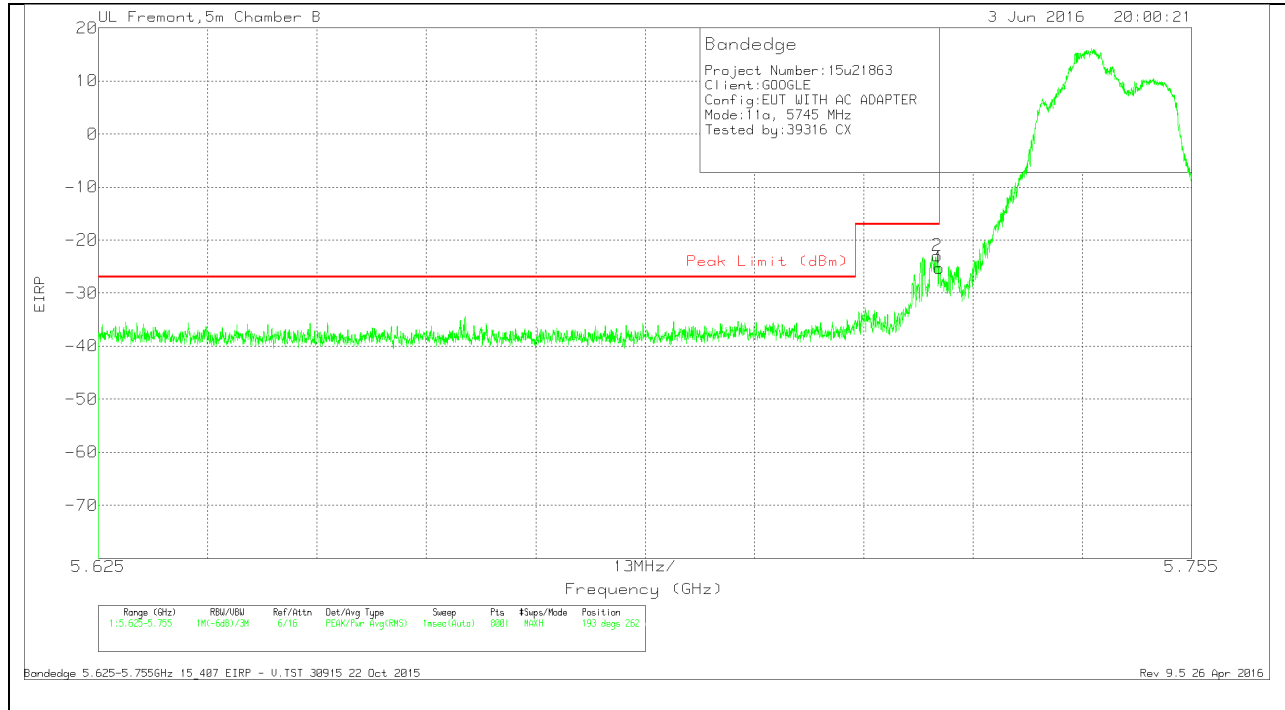
#### HORIZONTAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-46.64	Pk	34.9	-21.7	11.8	-21.64	-17	-4.64	338	271	H
2	5.725	-43.57	Pk	34.9	-21.7	11.8	-18.57	-17	-1.57	338	271	H

Pk - Peak detector

### VERTICAL RESULTS

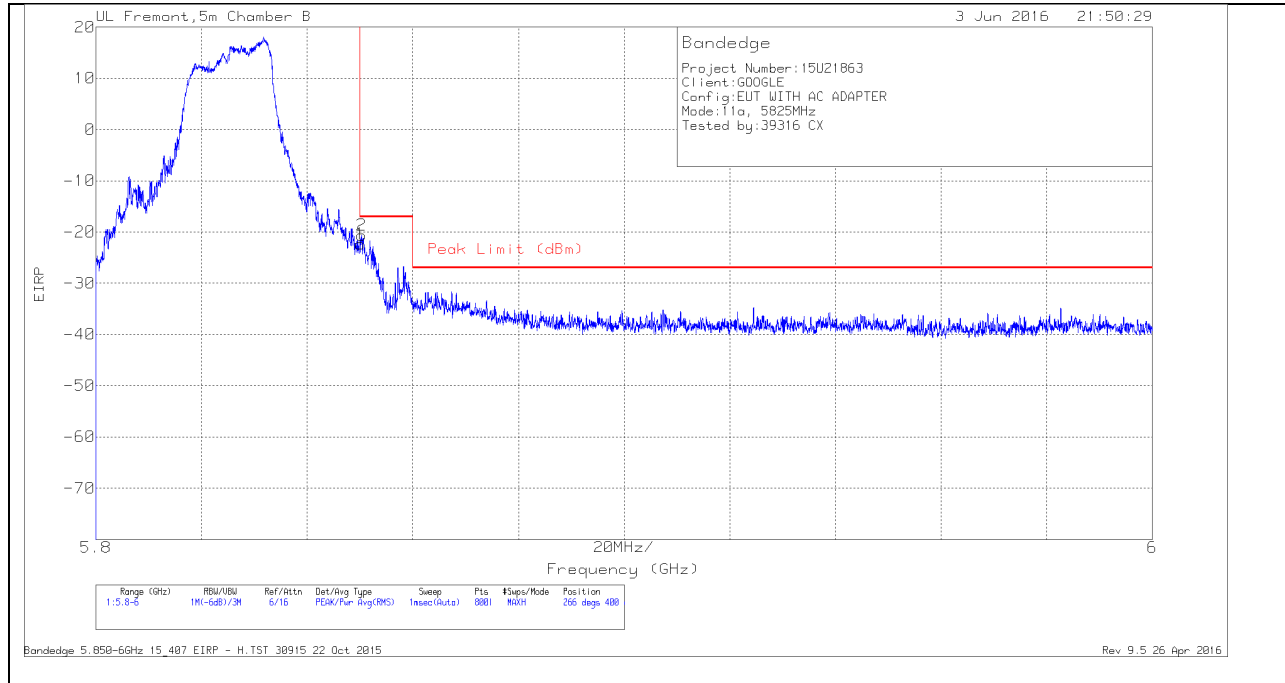


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/Fitr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-50.28	Pk	34.9	-21.7	11.8	-25.28	-17	-8.28	193	262	V
2	5.725	-47.94	Pk	34.9	-21.7	11.8	-22.94	-17	-5.94	193	262	V

Pk - Peak detector

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

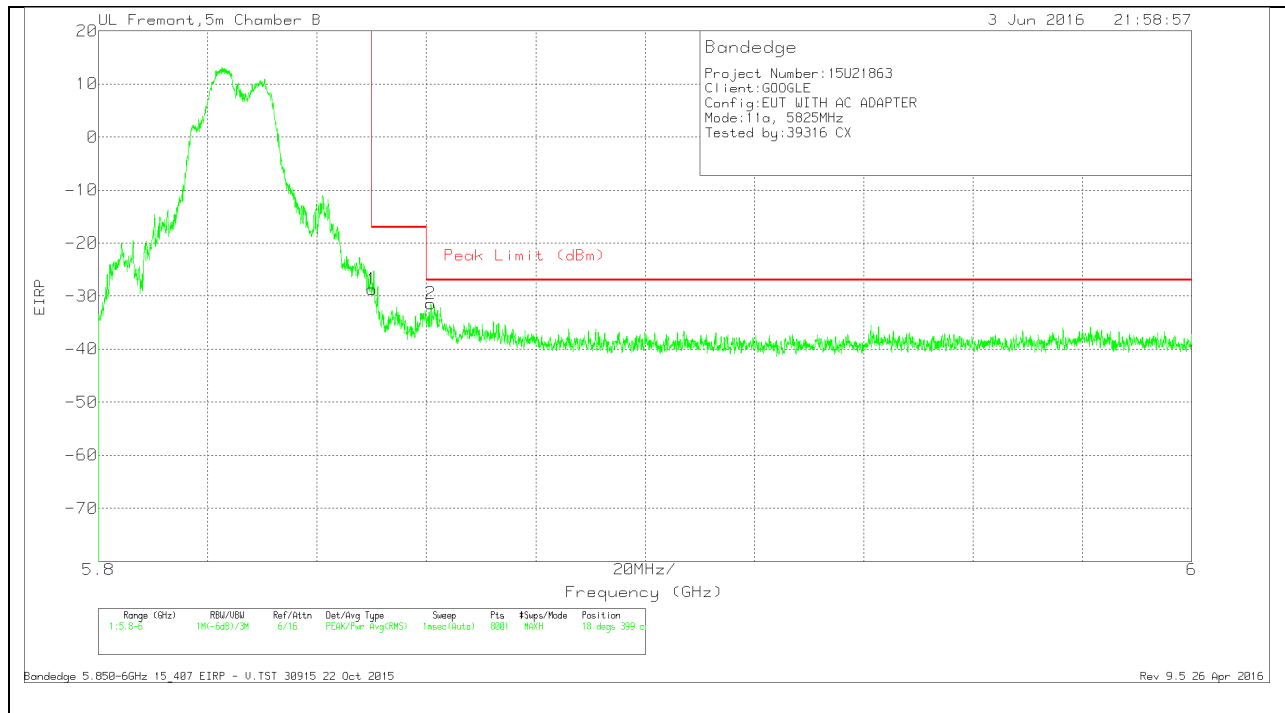
### HORIZONTAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbi/Filtr/P ad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-47.72	Pk	35.2	-21.6	11.8	-22.32	-17	-5.32	266	400	H
2	5.85	-46.02	Pk	35.2	-21.6	11.8	-20.62	-17	-3.62	266	400	H

Pk - Peak detector

### VERTICAL RESULTS



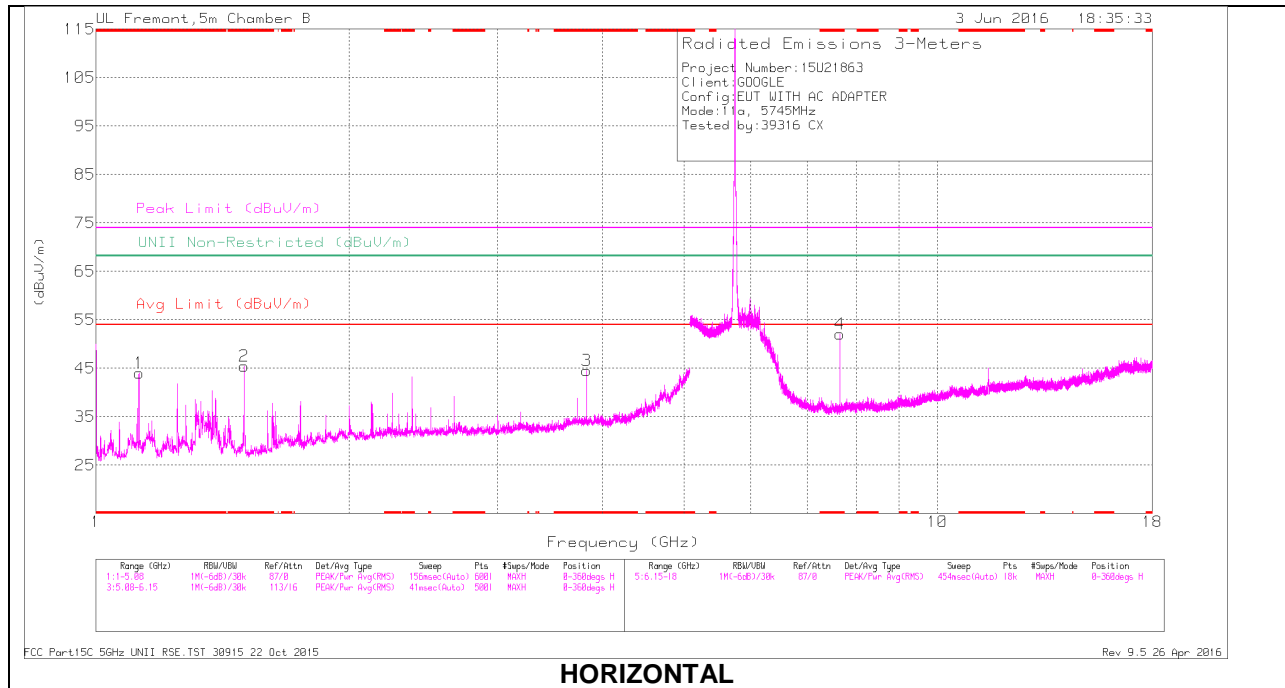
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cb/Fitr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-54.15	Pk	35.2	-21.6	11.8	-28.75	-17	-11.75	18	399	V
2	5.861	-56.78	Pk	35.2	-21.6	11.8	-31.38	-27	-4.38	18	399	V

Pk - Peak detector

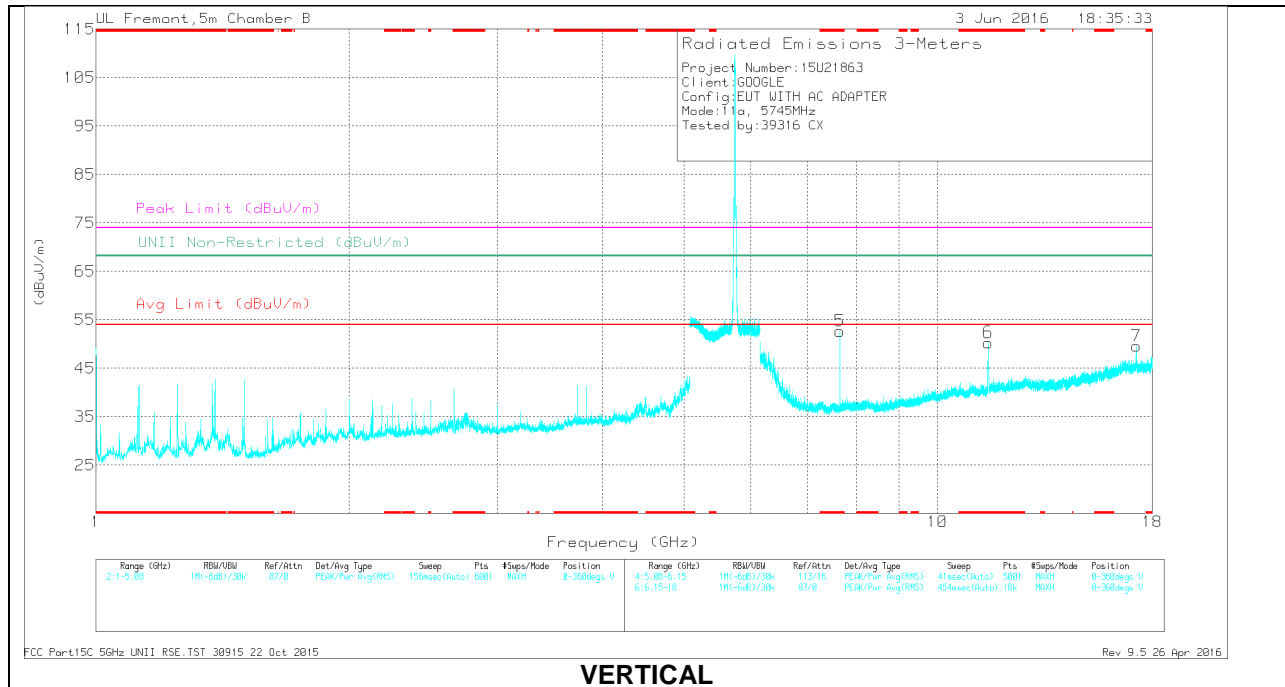


## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS



**HORIZONTAL**



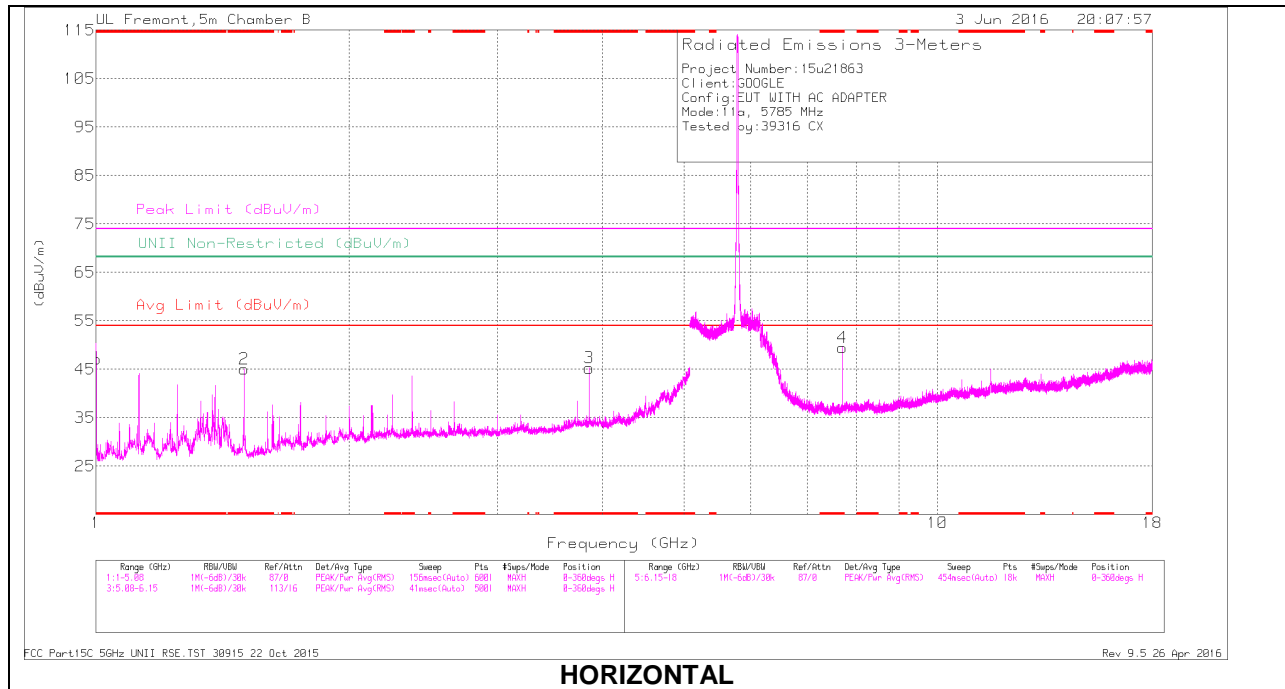
**VERTICAL**

LOW CHANNEL DATA

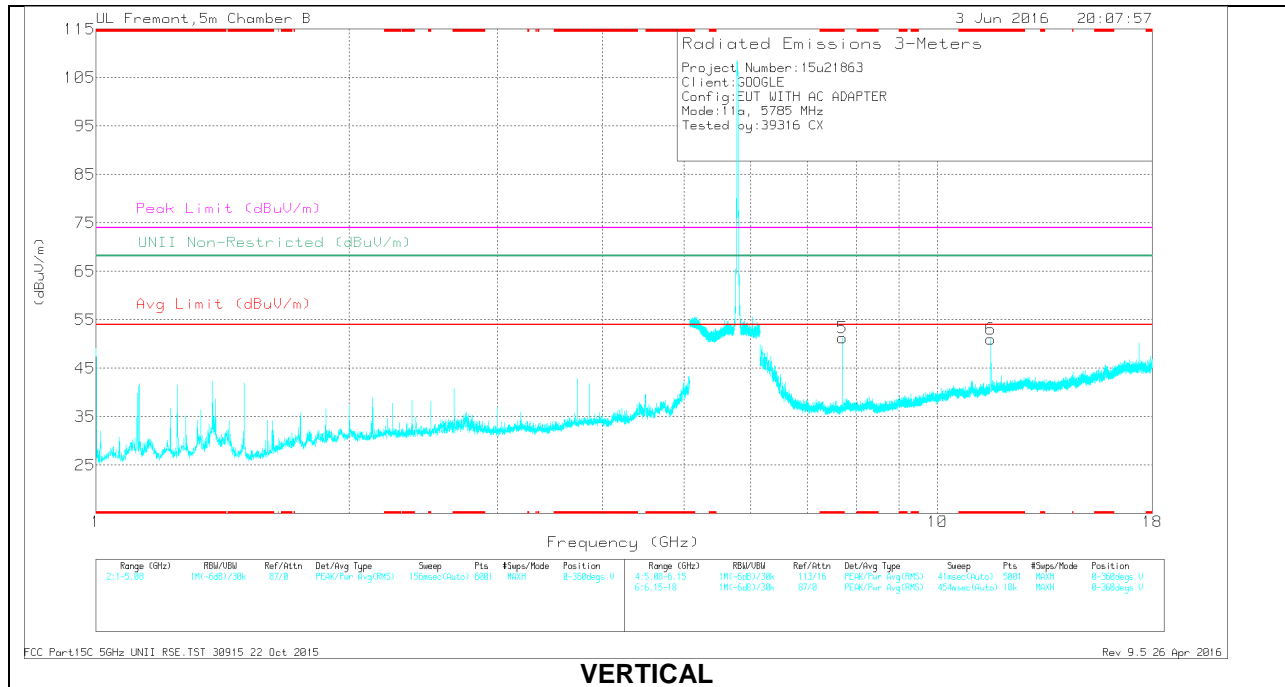
Marker	Frequency (GHz)	Measr Reading (dBuV)	Det	AF Y345 (dB/m)	Amp/CB/P/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.125	54.59	PK-U	28	-35.5	0	47.09	-	-	74	-26.91	-	-	326	319	H
	* 1.125	52.67	ADR	28	-35.5	.31	45.48	54	-8.52	-	-	-	-	326	319	H
2	* 1.5	56.89	PK-U	27.8	-35.6	0	49.09	-	-	74	-24.91	-	-	62	305	H
	* 1.5	54.32	ADR	27.8	-35.6	.31	46.83	54	-7.17	-	-	-	-	62	305	H
3	* 3.83	46.88	PK-U	33.4	-33	0	47.29	-	-	74	-26.71	-	-	146	258	H
	* 3.83	42.99	ADR	33.4	-33	.31	43.7	54	-10.3	-	-	-	-	146	258	H
4	* 7.66	48.73	PK-U	35.7	-30.2	0	54.23	-	-	74	-19.77	-	-	172	103	H
	* 7.66	46.42	ADR	35.7	-30.2	.31	52.23	54	-1.77	-	-	-	-	172	103	H
6	* 11.49	42.09	PK-U	38.3	-25.8	0	54.59	-	-	74	-19.41	-	-	114	106	V
	* 11.49	33.32	ADR	38.3	-25.8	.31	46.13	54	-7.87	-	-	-	-	114	106	V
7	17.233	40.09	PK-U	41.3	-23.2	0	58.19	-	-	-	-	68.2	-10.01	130	236	V

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

### MID CHANNEL RESULTS



HORIZONTAL



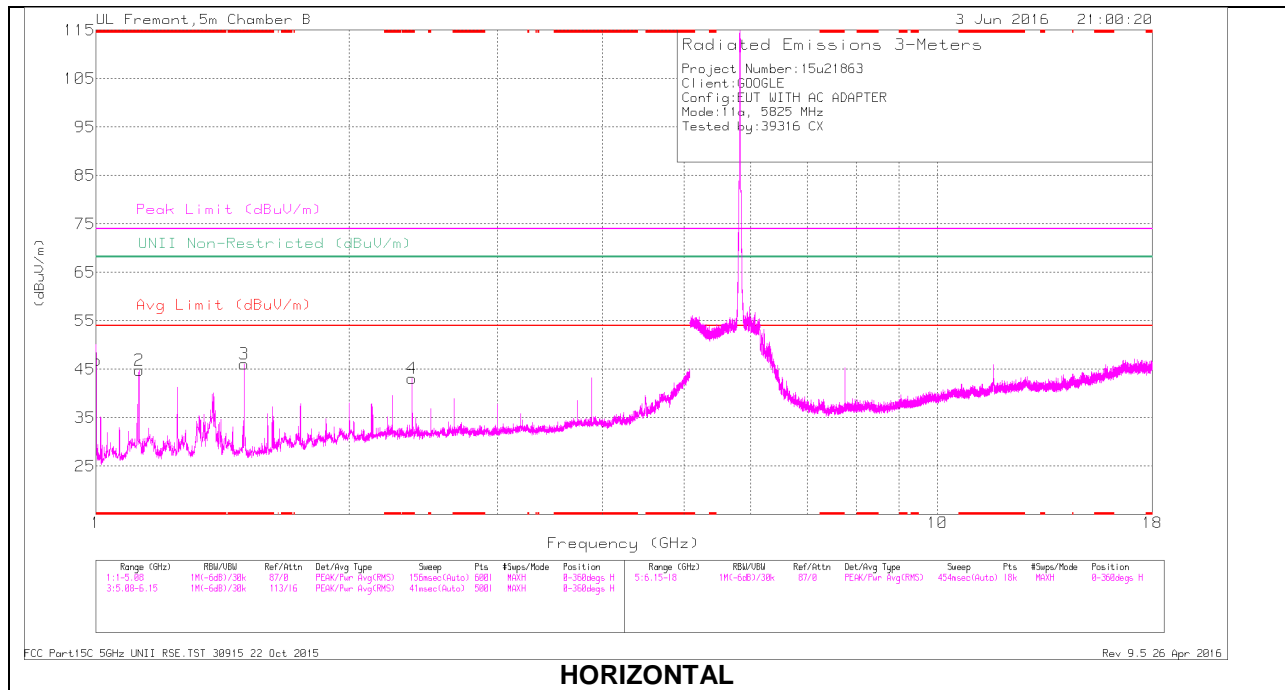
VERTICAL

MID CHANNEL DATA

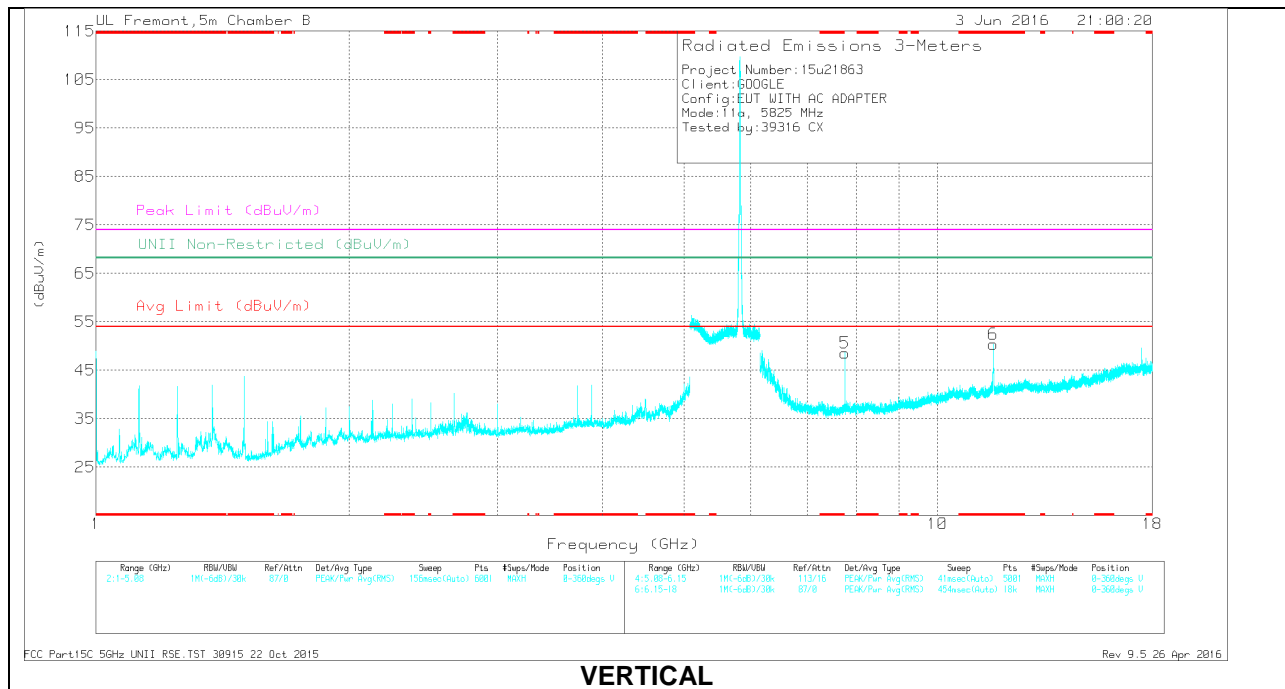
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF 1345 (dB/m)	Amp/Cal/Pin/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PR Margin (dB)	UNII Non-Restricted (dBuV/m)	PR Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1	60.45	PK-U	27.7	-36.2	0	51.95	-	-	74	-22.05	-	-	330	296	H
	* 1	58.4	ADR	27.7	-36.2	.31	50.21	54	-3.79	-	-	-	-	330	296	H
2	* 1.5	55.24	PK-U	27.8	-35.6	0	47.44	-	-	74	-26.56	-	-	180	119	H
	* 1.5	52.83	ADR	27.8	-35.6	.31	45.34	54	-8.66	-	-	-	-	190	119	H
3	* 3.857	48.38	PK-U	33.4	-33.1	0	48.69	-	-	74	-25.31	-	-	139	281	H
	* 3.857	45.33	ADR	33.4	-33.1	.31	45.94	54	-8.06	-	-	-	-	139	291	H
4	* 7.713	45.63	PK-U	35.8	-29.7	0	51.73	-	-	74	-22.27	-	-	165	101	H
	* 7.713	42.49	ADR	35.8	-29.7	.31	48.9	54	-5.1	-	-	-	-	165	101	H
5	* 7.713	48.12	PK-U	35.8	-29.7	0	54.22	-	-	74	-19.78	-	-	201	132	V
	* 7.713	45.61	ADR	35.8	-29.7	.31	52.02	54	-1.98	-	-	-	-	201	132	V
6	* 11.572	42.12	PK-U	38.4	-24.9	0	55.62	-	-	74	-18.38	-	-	104	337	V
	* 11.571	31.96	ADR	38.4	-24.9	.31	45.77	54	-8.23	-	-	-	-	104	337	V

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

### HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

HIGH CHANNEL DATA

Markers	Frequency (GHz)	Meas Reading (dBuV)	Det	AF Y345 (dB/m)	Amp/Cable/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	60.14	PK-U	27.7	-36.2	0	51.64	-	-	74	-22.36	-	-	332	295	H
	* 1	58.11	ADR	27.7	-36.2	.31	49.92	54	-4.08	-	-	-	-	332	295	H
2	* 1.125	54.94	PK-U	28	-35.5	0	47.44	-	-	74	-26.56	-	-	324	251	H
	* 1.125	52.87	ADR	28	-35.5	.31	45.68	54	-8.32	-	-	-	-	324	251	H
3	* 1.5	56.98	PK-U	27.8	-35.6	0	49.19	-	-	74	-24.81	-	-	140	251	H
	* 1.5	53.28	ADR	27.8	-35.6	.31	45.79	54	-8.21	-	-	-	-	140	251	H
4	* 2.375	49.41	PK-U	32	-34.4	0	47.01	-	-	74	-26.99	-	-	75	360	H
	* 2.375	45.98	ADR	32	-34.4	.31	43.89	54	-10.11	-	-	-	-	75	360	H
6	* 11.654	42	PK-U	38.5	-25.3	0	55.2	-	-	74	-18.8	-	-	104	398	V
	* 11.653	31.87	ADR	38.5	-25.2	.31	45.48	54	-8.52	-	-	-	-	104	398	V
5	7.786	45.56	PK-U	36.6	-29.5	0	51.86	-	-	-	-	68.2	-16.34	200	103	V

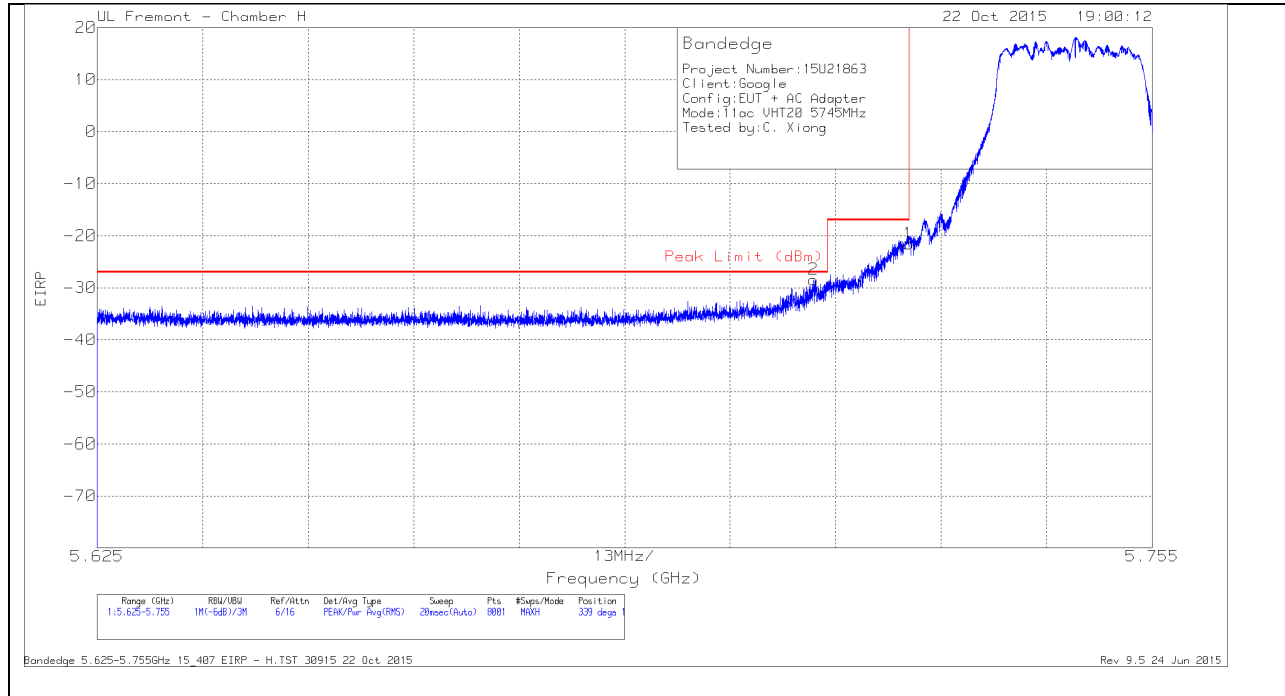
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average

### 5.1.6. 802.11ac VHT20 MODE IN THE 5.8GHz BAND (1 stream BF mode low channel)

#### 4Tx 4 STREAM CDD MODE

#### RESTRICTED BANDEDGE (LOW CHANNEL)

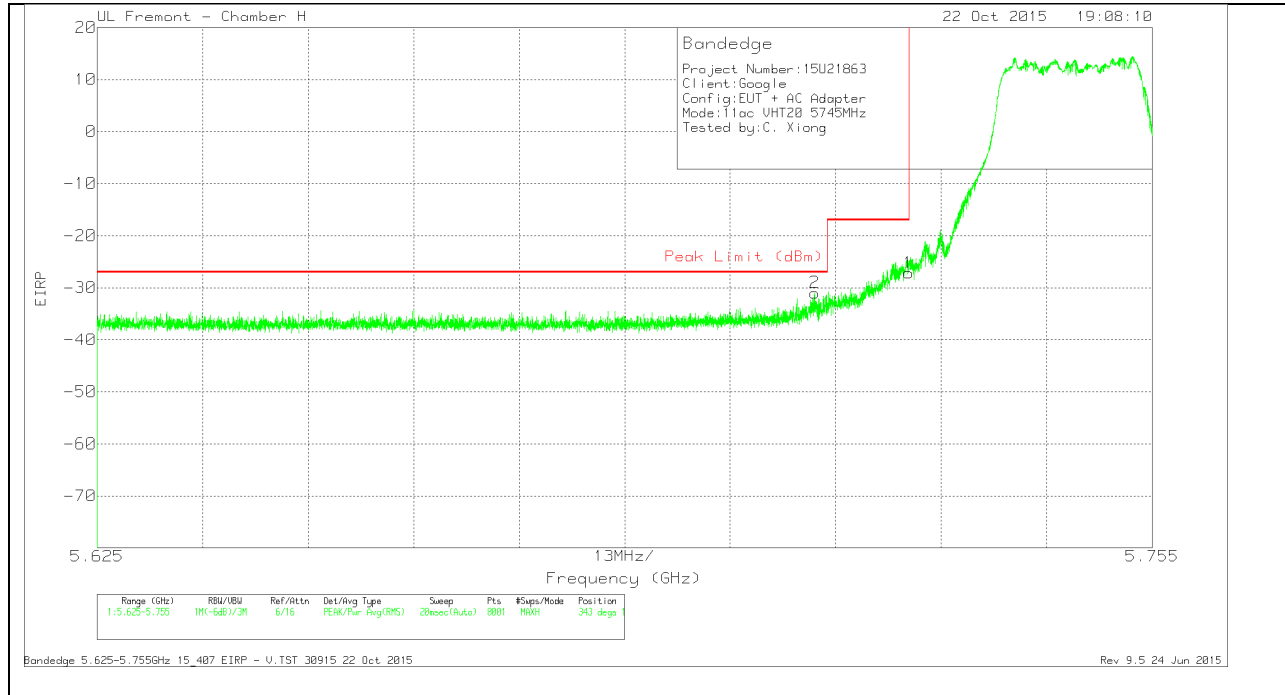
#### HORIZONTAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-55.93	Pk	34.8	-19.1	11.8	-28.43	-27	-1.43	339	136	H
1	5.725	-49.02	Pk	34.8	-19.1	11.8	-21.52	-17	-4.52	339	136	H

Pk - Peak detector

### VERTICAL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.713	-58.47	PK	34.8	-19.1	11.8	-30.97	-27	-3.97	343	167	V
1	5.725	-54.66	PK	34.8	-19.1	11.8	-27.16	-17	-10.16	343	167	V

PK - Peak detector