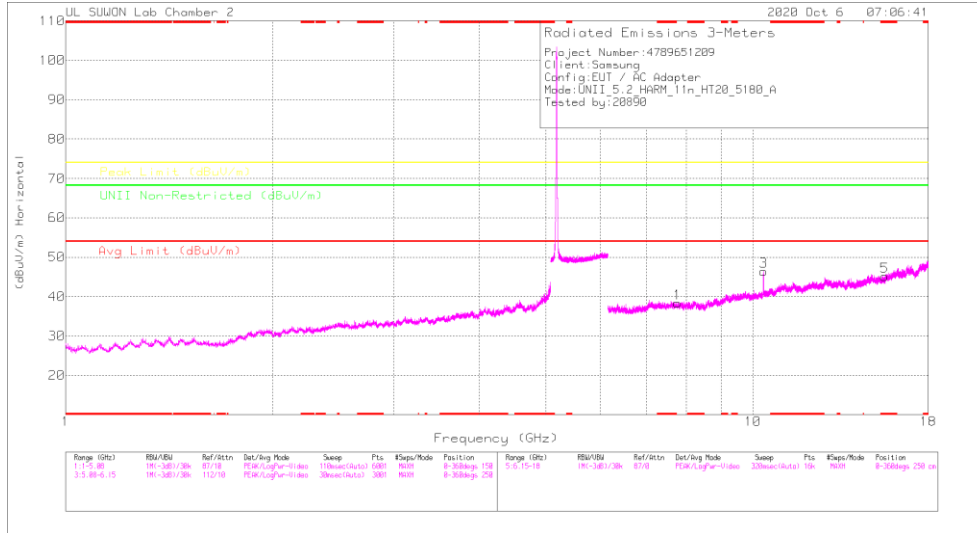
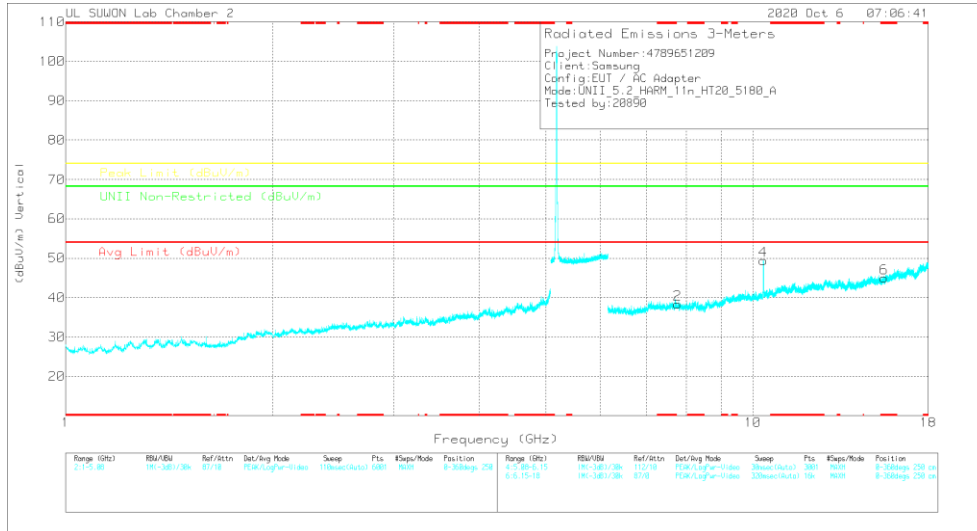


**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



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

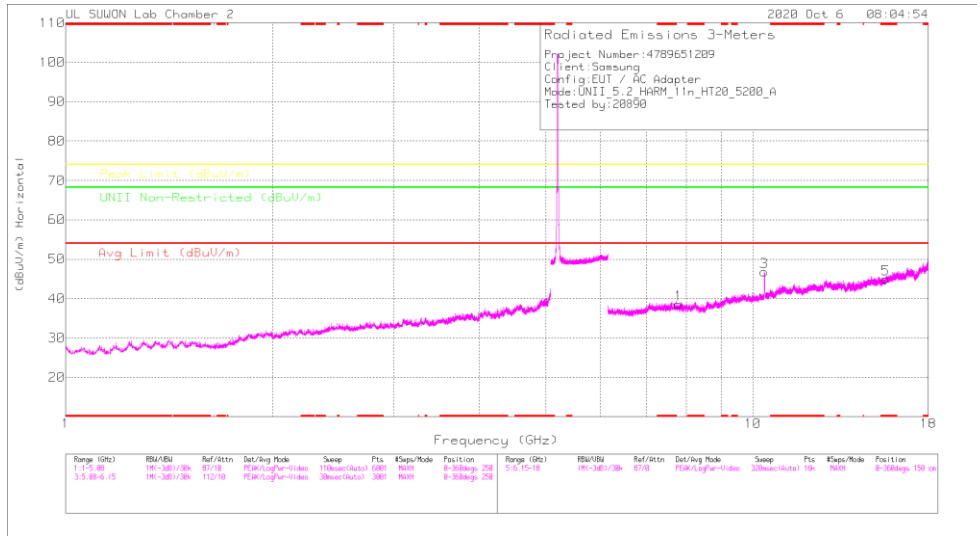
**LOW CHANNEL DATA**

**Radiated Emissions**

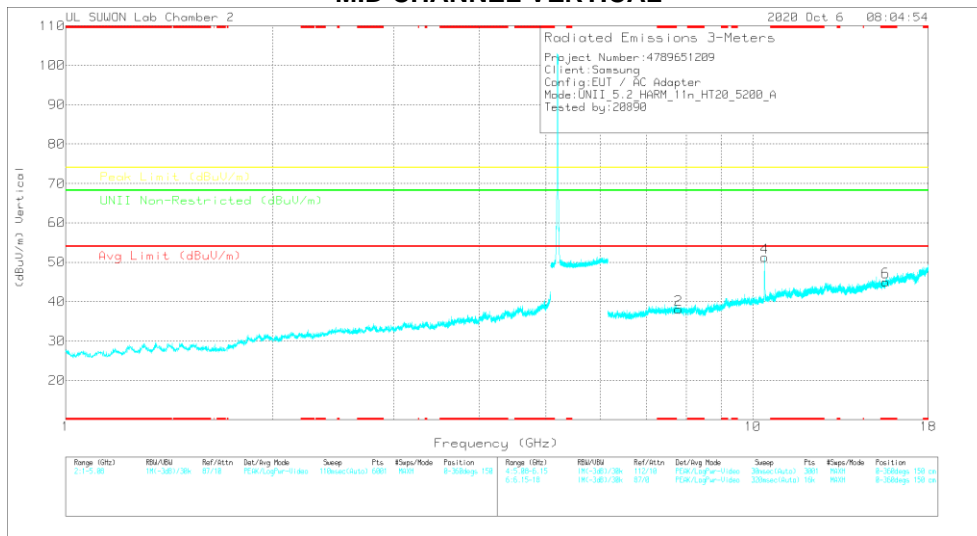
Frequency (GHz)	Main Reading (dBuV)	Det	317_00168724	6GHz_HFISB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (m)	Polarity
7.77667	35.18	PK-U	36	-23.1	0	48.08	-	-	-	-	68.2	-20.12	360	100	H
7.76082	35.96	PK-U	36	-23.1	0	48.86	-	-	-	-	68.2	-19.34	360	100	V
10.36484	39.19	PK-U	37.7	-20.1	0	56.79	-	-	-	-	68.2	-11.41	240	100	H
10.36164	42.5	PK-U	37.7	-20.1	0	60.1	-	-	-	-	68.2	-8.1	146	118	V
* 15.53463	34.68	PK-U	40	-19.5	0	55.18	-	-	74	-18.82	-	-	360	100	H
* 15.54321	34.29	PK-U	40	-19.4	0	54.89	-	-	74	-19.11	-	-	360	100	V

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

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

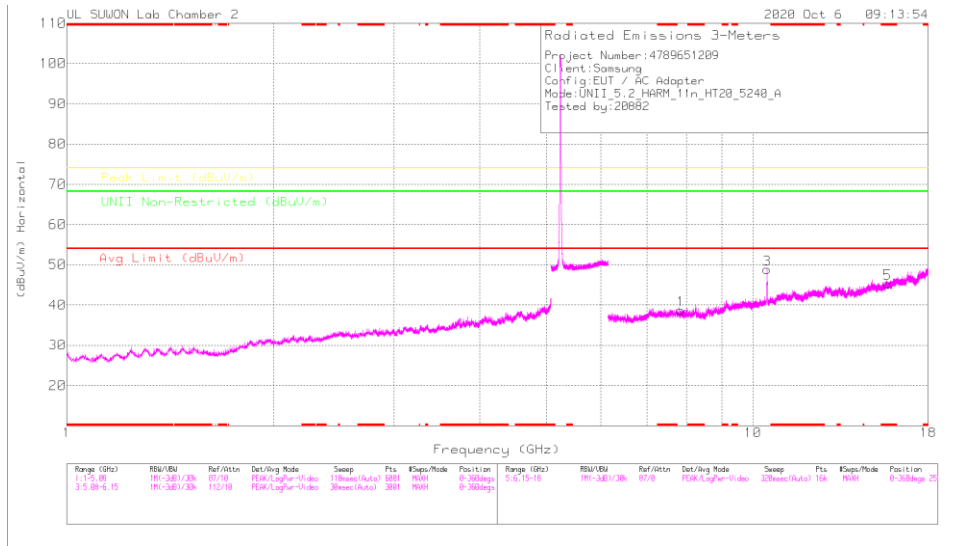
**MID CHANNEL DATA**

**Radiated Emissions**

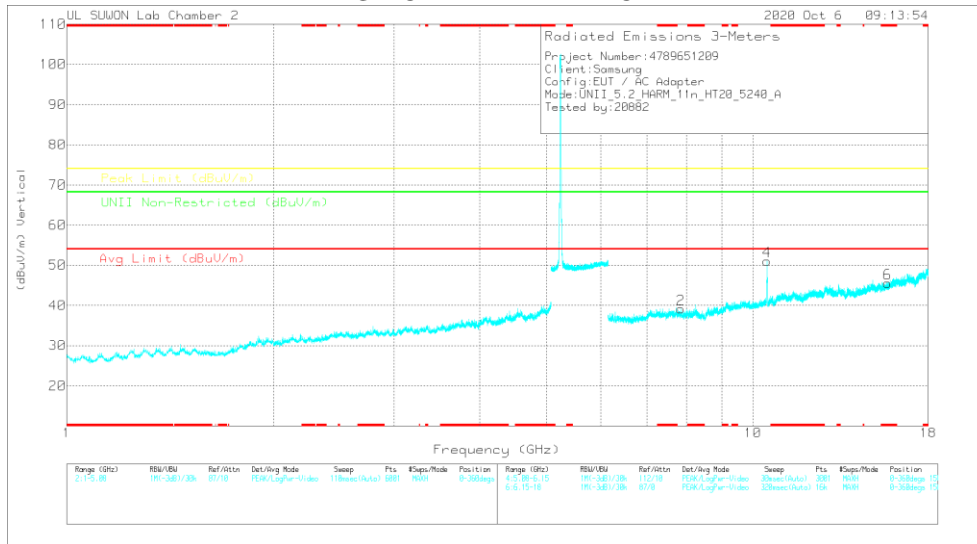
Frequency (GHz)	Max Reading (dBuV)	Det	0117_00160724	eSPL_HF(dB)	DC Corr (dB)	Commod Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Adm'd (Drops)	Height (cm)	Polarity
7.80756	36.23	PK-U	36	-23.5	0	48.73	-	-	-	-	68.2	-19.47	360	100	H
7.79726	35.68	PK-U	36	-23.2	0	48.48	-	-	-	-	68.2	-19.72	360	100	V
10.39522	39.94	PK-U	37.7	-20.1	0	57.44	-	-	-	-	68.2	-10.78	250	103	H
10.39494	43.74	PK-U	37.7	-20.1	0	61.34	-	-	-	-	68.2	-6.86	150	118	V
* 15.60309	35.23	PK-U	40	-19.6	0	55.63	-	-	74	-18.37	-	-	360	100	H
* 15.61113	34.38	PK-U	40	-19.6	0	54.78	-	-	74	-19.22	-	-	360	100	V

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

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



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

### HIGH CHANNEL DATA

#### Radiated Emissions

Frequency (GHz)	Meas Reading (dBuV)	Det	2117_00160724	@GHz_HF@dB	DC Cor (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restrictd (dBuV/m)	Margin (dB)	Altitude (Meters)	Height (cm)	Polarity
7.84441	36.63	PK-U	36	-23.6	0	49.03	-	-	-	-	68.2	-19.17	0	100	H
7.84599	36.54	PK-U	36	-23.6	0	48.94	-	-	-	-	68.2	-19.26	0	100	V
10.47399	42.37	PK-U	37.8	-19.9	0	60.27	-	-	-	-	68.2	-7.93	248	101	H
10.48225	45.58	PK-U	37.8	-19.9	0	63.48	-	-	-	-	68.2	-4.72	194	101	V
* 15.71536	34.99	PK-U	40.2	-19.4	0	55.79	-	-	74	-18.21	-	-	0	100	H
* 15.71354	35.13	PK-U	40.2	-19.4	0	55.93	-	-	74	-18.07	-	-	0	100	V

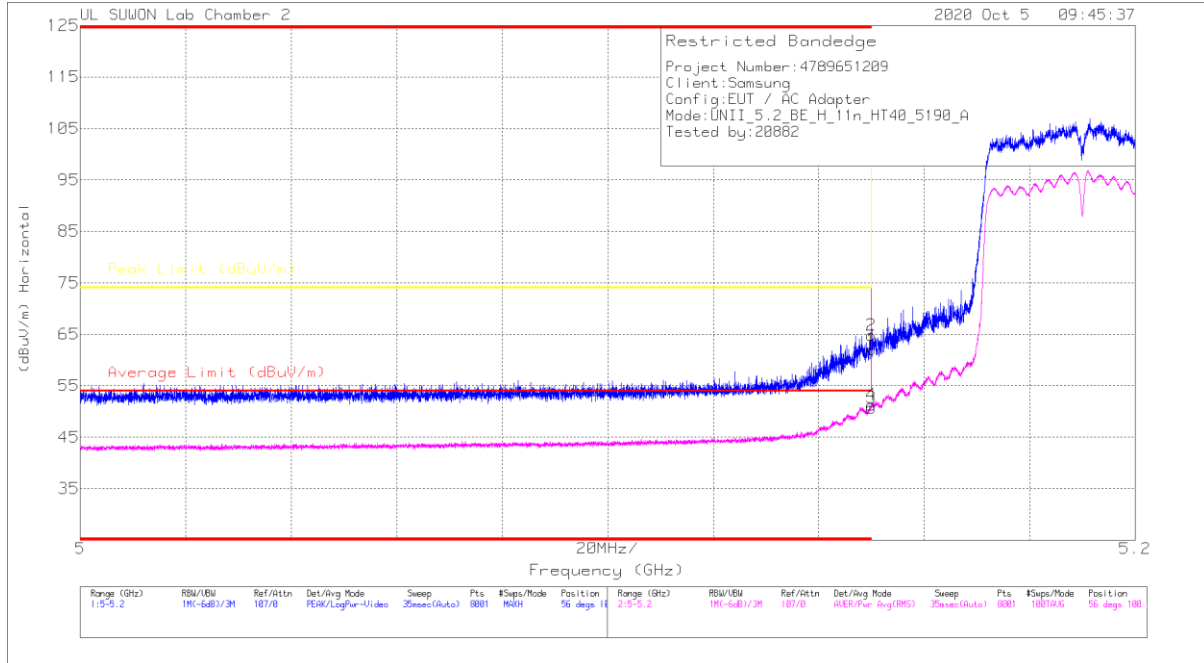
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

### 11.1.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.2GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

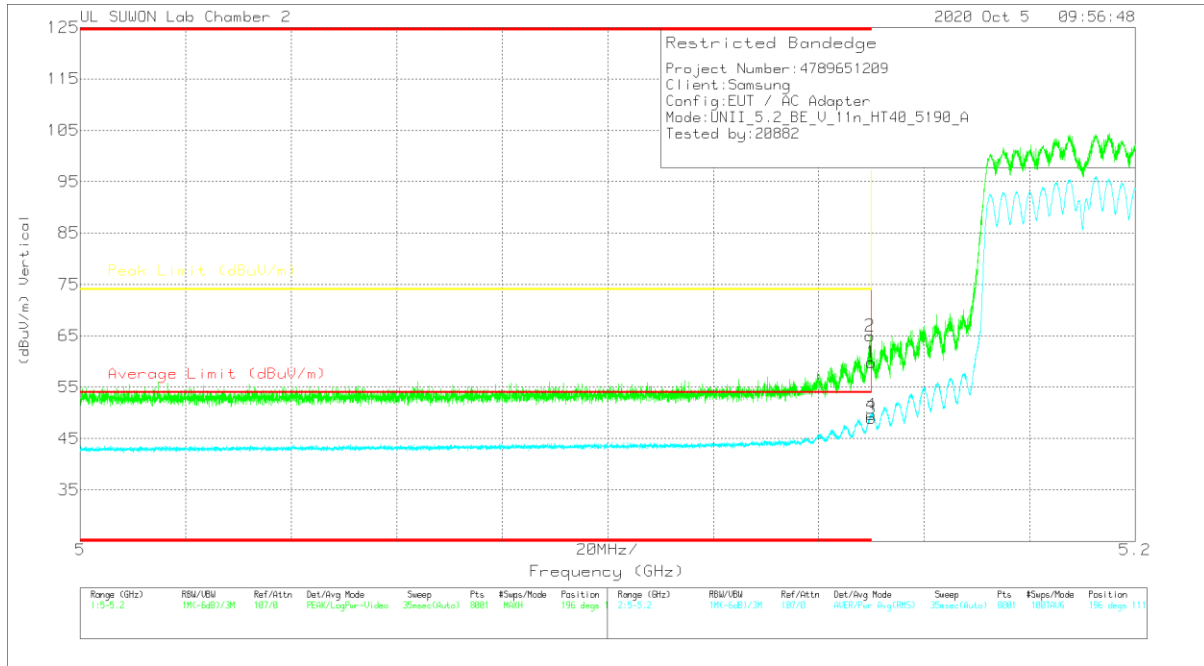
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	45.73	Pk	34.4	-18.1	0	62.03	-	-	74	-11.97	56	100	H
2	* 5.14998	48.53	Pk	34.4	-18.1	0	64.83	-	-	74	-9.17	56	100	H
3	5.15	34.42	RMS	34.4	-18.1	0	50.72	54	-3.28	-	-	56	100	H
4	* 5.14993	34.99	RMS	34.4	-18.1	0	51.29	54	-2.71	-	-	56	100	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[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	43.57	Pk	34.4	-18.1	0	59.67	-	-	74	-14.13	196	111	V
2	* 5.1497	48.67	Pk	34.4	-18.1	0	64.97	-	-	74	-9.03	196	111	V
3	5.15	32.65	RMS	34.4	-18.1	0	48.95	54	-5.05	-	-	196	111	V
4	* 5.14995	33.35	RMS	34.4	-18.1	0	49.65	54	-4.35	-	-	196	111	V

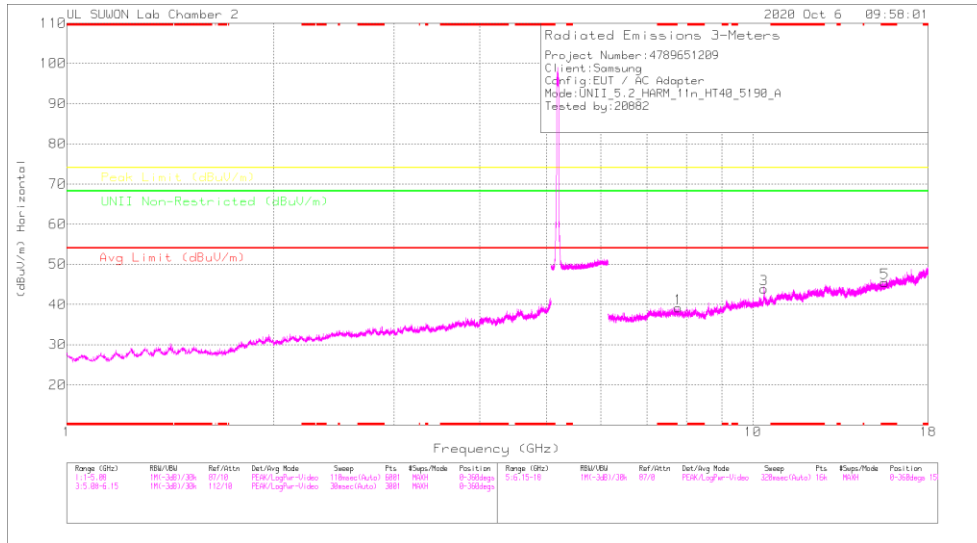
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

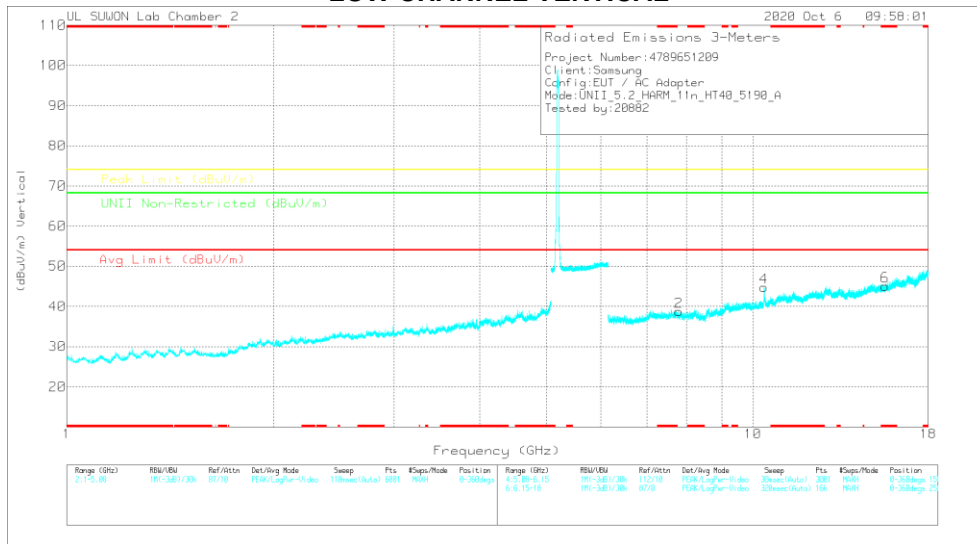
RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



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

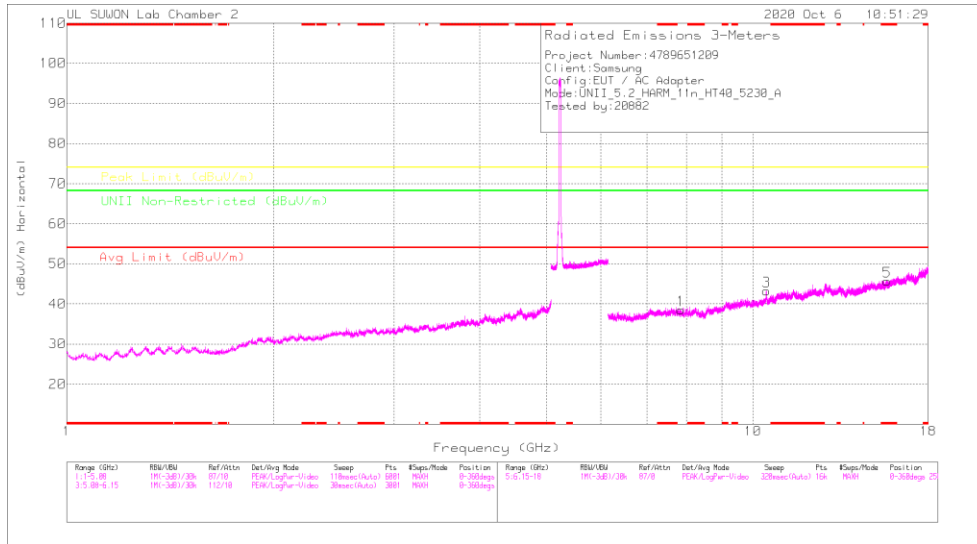
**LOW CHANNEL DATA**

**Radiated Emissions**

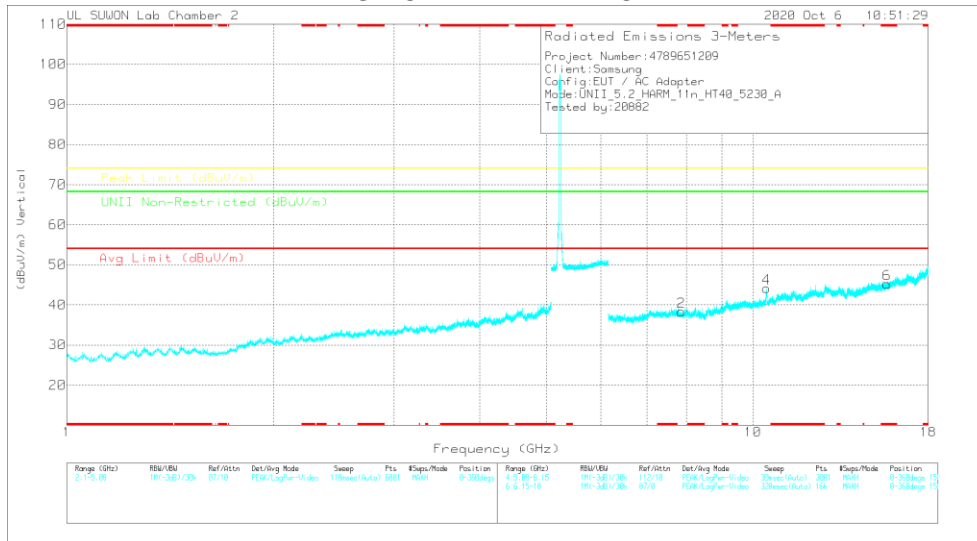
Frequency (GHz)	Max Reading (dBuV)	Dir	0117_00168724	SQL_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
7.78224	35.14	PK-U	36	-23.1	0	48.04	-	-	-	-	68.2	-20.16	0	100	H
7.78258	36.07	PK-U	36	-23.1	0	49.37	-	-	-	-	68.2	-19.23	0	100	V
10.38568	36.36	PK-U	37.7	-20.2	0	54.46	-	-	-	-	68.2	-13.74	244	100	H
10.38254	38.93	PK-U	37.7	-20.2	0	56.43	-	-	-	-	68.2	-11.77	149	123	V
* 15.55874	35.22	PK-U	40	-19.2	0	56.02	-	-	74	-17.98	-	-	0	100	H
* 15.56071	34.57	PK-U	40	-19.3	0	55.27	-	-	74	-18.73	-	-	0	100	V

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

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



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

### HIGH CHANNEL DATA

#### Radiated Emissions

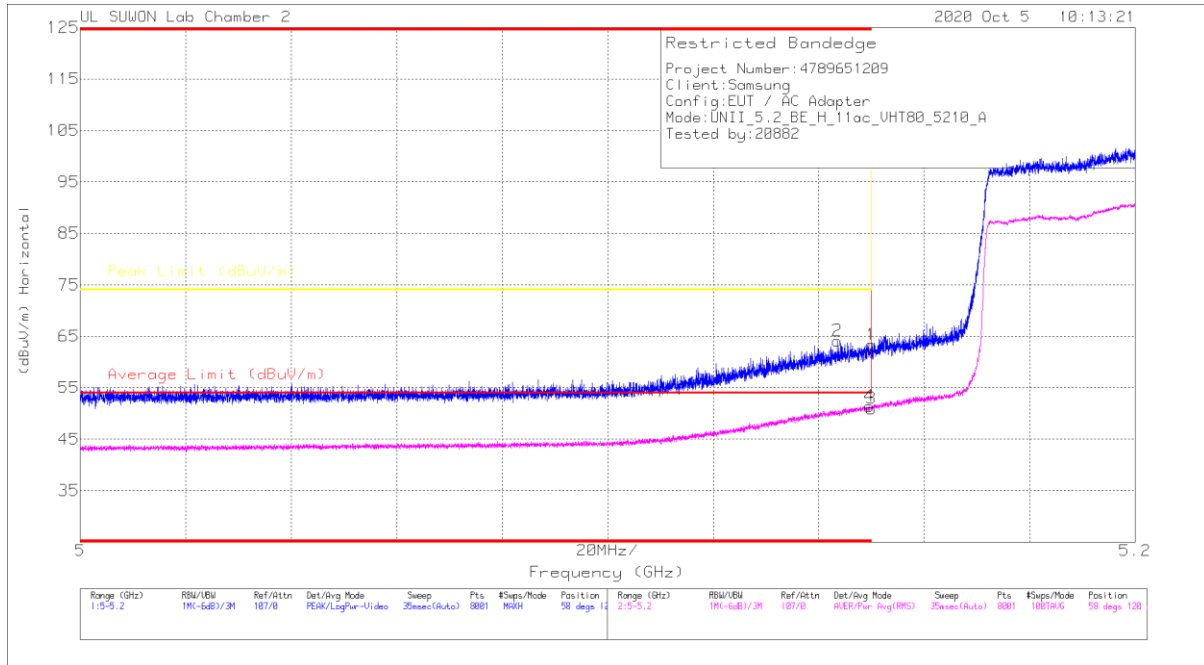
Frequency (GHz)	Meas Reading (dBuV)	Det	0117_00168724	SQL_HF(S)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asmth (Degs)	Height (cm)	Polarity
7.84375	36.42	PK-U	36	-23.6	0	48.82	-	-	-	-	68.2	-19.38	0	100	H
7.84389	36.41	PK-U	36	-23.6	0	48.81	-	-	-	-	68.2	-19.39	0	100	V
10.45975	36.93	PK-U	37.8	-19.9	0	54.83	-	-	-	-	68.2	-13.37	248	103	H
10.45711	38.46	PK-U	37.8	-19.9	0	56.36	-	-	-	-	68.2	-11.84	195	101	V
* 15.67616	34.84	PK-U	40.1	-19.6	0	55.34	-	-	74	-18.66	-	-	0	100	H
* 15.67627	35.01	PK-U	40.1	-19.6	0	55.51	-	-	74	-18.49	-	-	0	100	V

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

### 11.1.4.TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.2GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(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	47.02	Pk	34.4	-18.1	0	63.32	-	-	74	-10.68	58	120	H
2	* 5.1435	47.81	Pk	34.4	-18.1	0	64.11	-	-	74	-9.89	58	120	H
3	5.15	34.34	RMS	34.4	-18.1	.32	50.96	54	-3.04	-	-	58	120	H
4	* 5.1496	34.77	RMS	34.4	-18.1	.32	51.39	54	-2.61	-	-	58	120	H

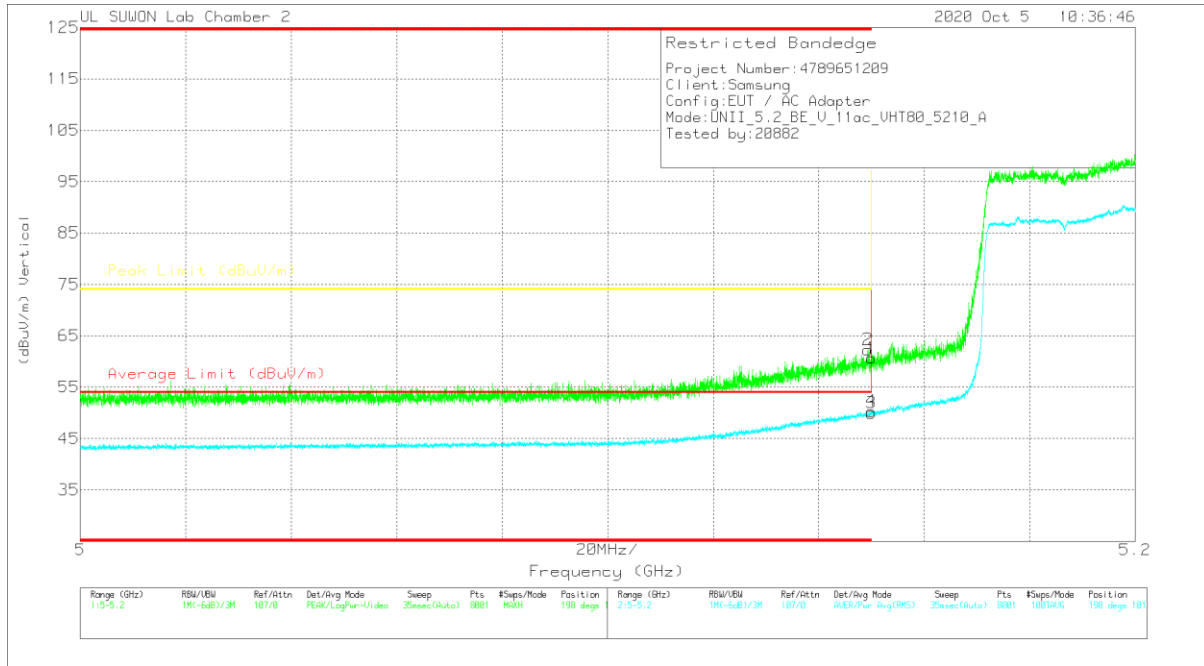
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (Ghz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (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	44.36	Pk	34.4	-18.1	0	60.66	-	-	74	-13.34	198	101	V
2	* 5.1493	46	Pk	34.4	-18.1	0	62.3	-	-	74	-11.7	198	101	V
3	5.15	33.38	RMS	34.4	-18.1	.32	50	54	-4	-	-	198	101	V
4	* 5.14995	33.71	RMS	34.4	-18.1	.32	50.33	54	-3.67	-	-	198	101	V

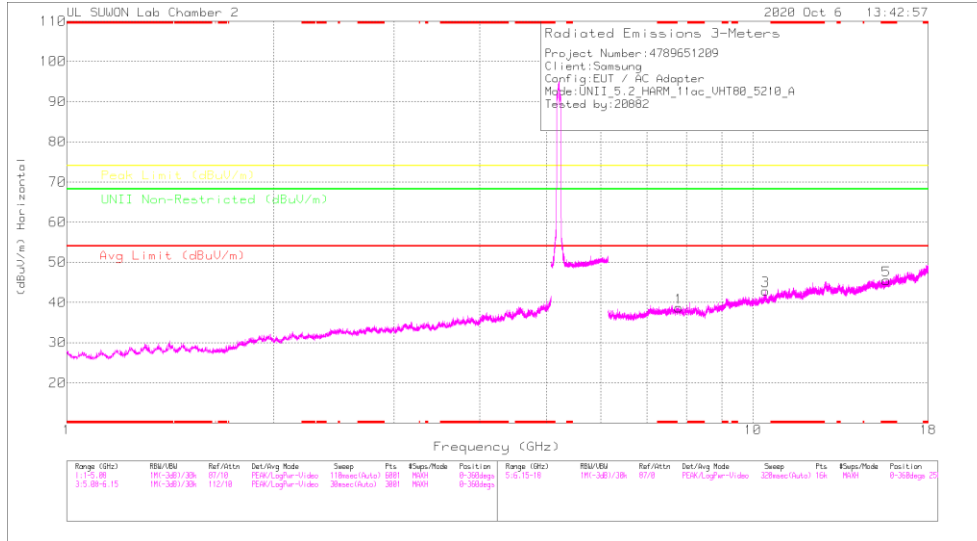
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

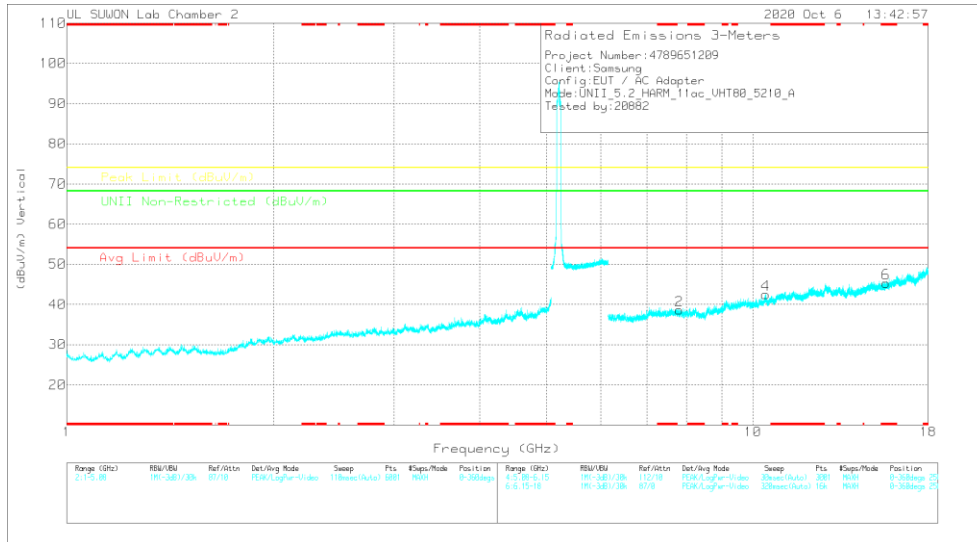
RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

**Radiated Emissions**

Frequency (GHz)	Major Reading (dBuV)	Det	317_00168724	ISHz_HPS(S)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.79897	36.53	PK-U	36	-23.4	0	49.13	-	-	-	-	68.2	-19.07	0	100	H
7.79809	35.81	PK-U	36	-23.3	0	49.31	-	-	-	-	68.2	-19.89	0	100	V
10.43132	33.78	PK-U	37.7	-20.1	0	51.38	-	-	-	-	68.2	-16.82	0	100	H
10.43224	34.17	PK-U	37.7	-20.1	0	51.77	-	-	-	-	68.2	-16.43	0	100	V
* 15.64235	34.22	PK-U	40.1	-19.5	0	54.82	-	-	74	-19.18	-	-	0	100	H
* 15.64329	35.12	PK-U	40.1	-19.5	0	55.72	-	-	74	-18.28	-	-	0	100	V

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

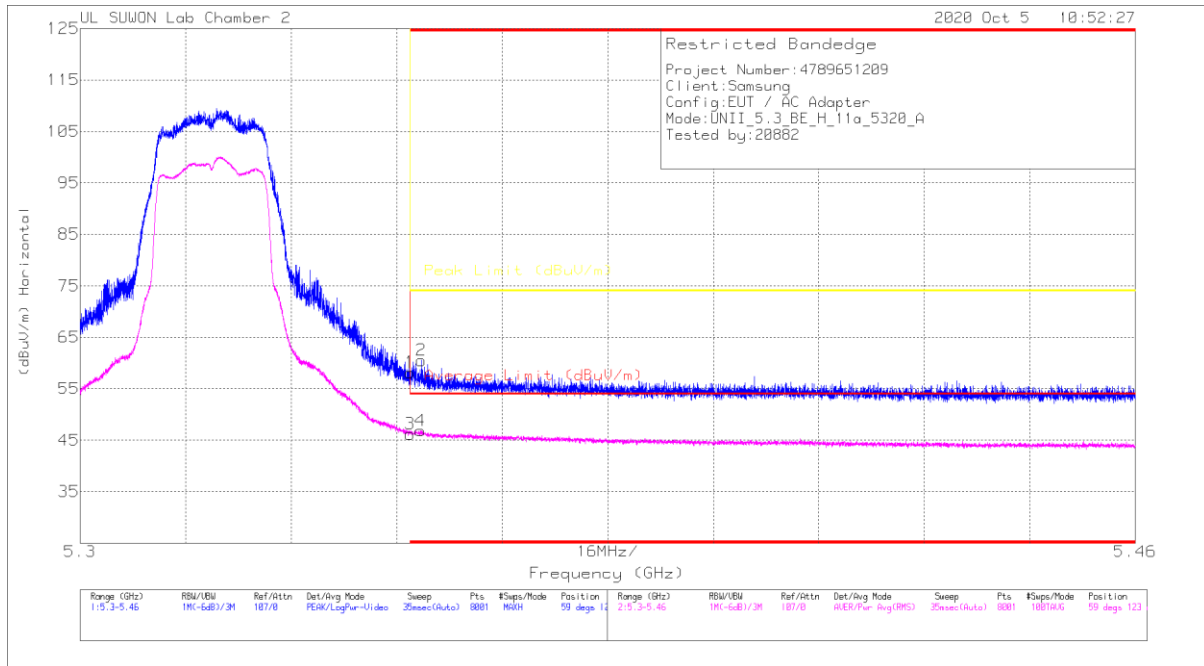
PK-U - U-NII: Maximum Peak

## 11.2. 5.3 GHz

### 11.2.1. TX ABOVE 1 GHz 802.11a 2Tx MODE IN THE 5.3 GHz BAND

#### RESTRICTED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

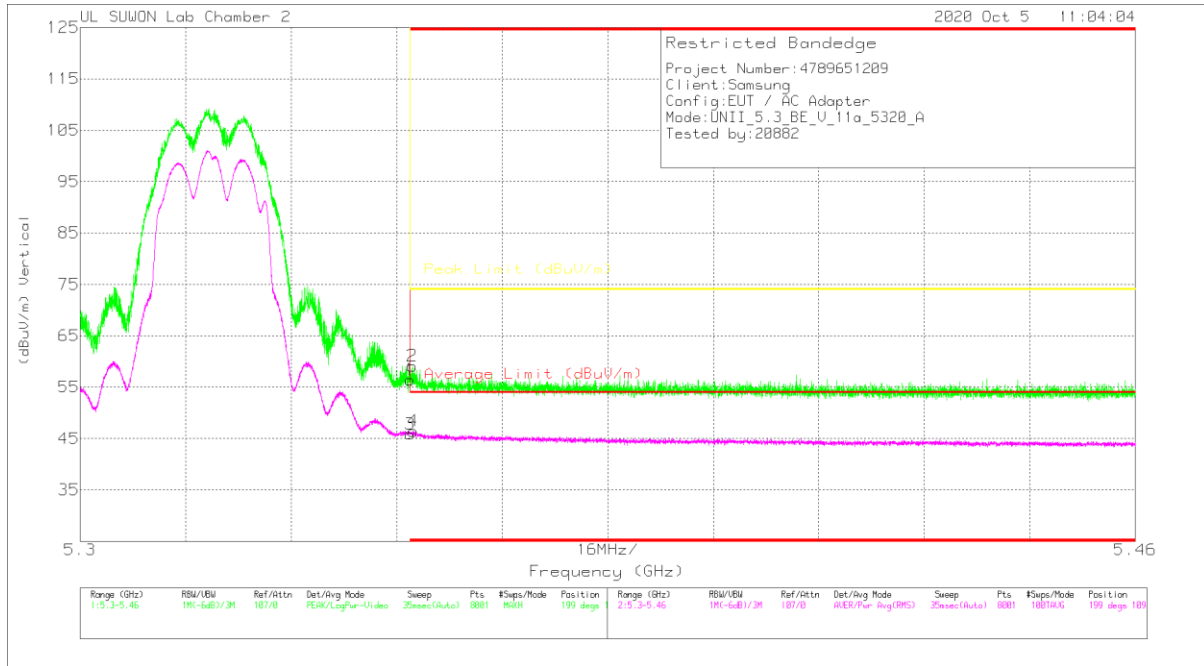
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	41.75	Pk	34.5	-18.1	0	58.15	-	-	74	-15.85	59	123	H
2	* 5.35172	44.11	Pk	34.5	-18.1	0	60.51	-	-	74	-13.49	59	123	H
3	* 5.35002	29.66	RMS	34.5	-18.1	.15	46.21	54	-7.79	-	-	59	123	H
4	* 5.3516	30.31	RMS	34.5	-18.1	.15	46.86	54	-7.14	-	-	59	123	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



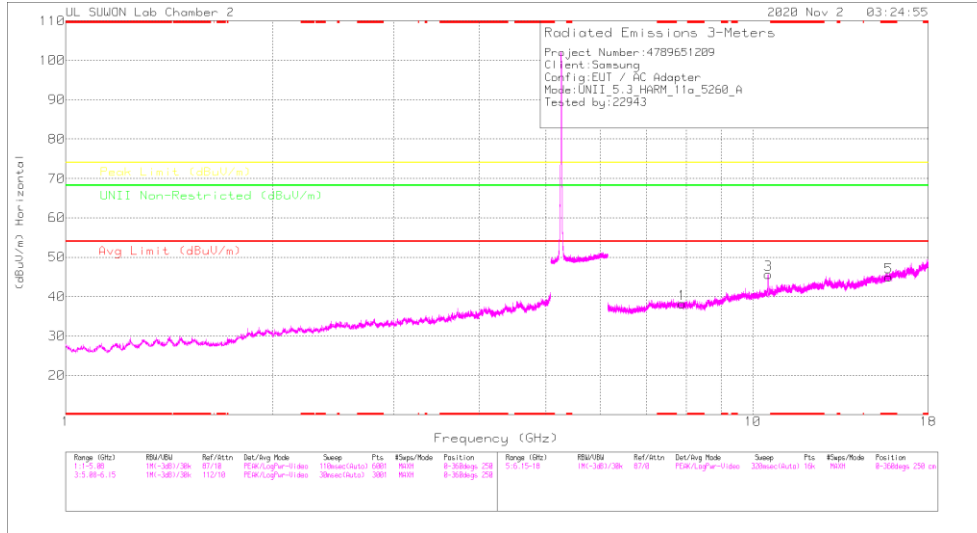
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[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	* 5.35002	40.03	Pk	34.5	-18.1	0	56.43	-	-	74	-17.57	199	109	V
2	* 5.35036	42.71	Pk	34.5	-18.1	0	59.11	-	-	74	-14.89	199	109	V
3	* 5.35002	29.31	RMS	34.5	-18.1	15	45.86	54	-8.14	-	-	199	109	V
4	* 5.35005	29.91	RMS	34.5	-18.1	15	46.46	54	-7.54	-	-	199	109	V

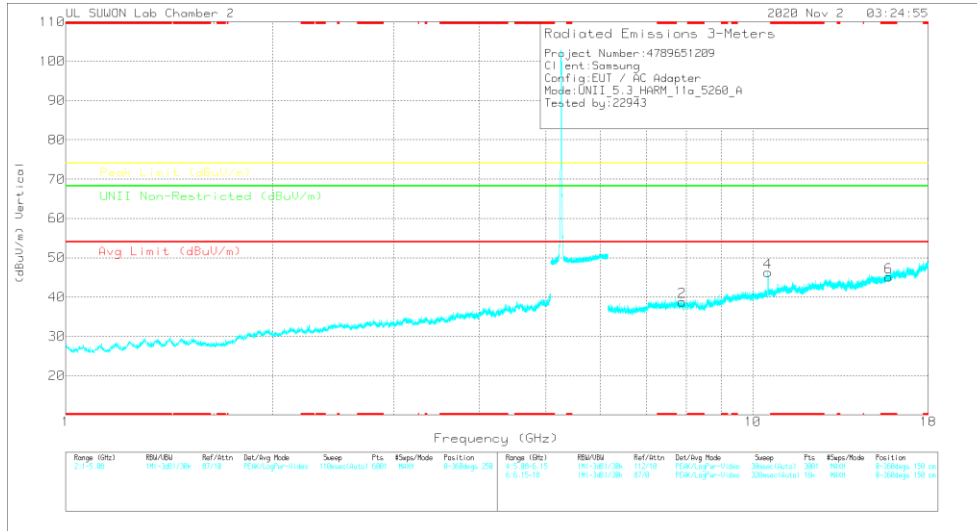
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



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

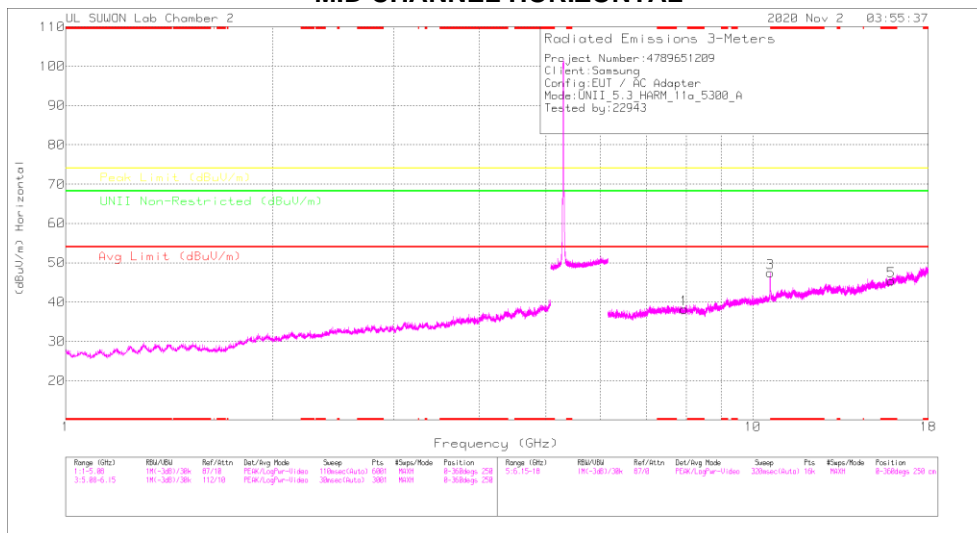
**LOW CHANNEL DATA**

**Radiated Emissions**

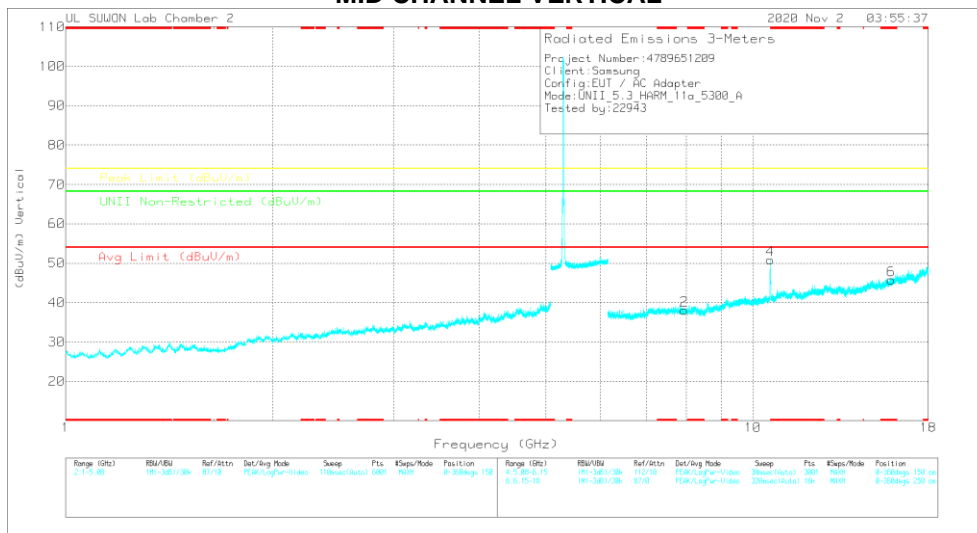
Frequency (GHz)	Max Reading (dBuV)	Det	0117_00168724	ISGL_HF(S)	DC Corr (dB)	Concord Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.89082	36.58	PK-U	36	-23.7	0	48.88	-	-	-	-	68.2	-19.32	0	100	H
7.89078	36.77	PK-U	36	-23.7	0	49.07	-	-	-	-	68.2	-19.13	360	100	V
10.51862	41.76	PK-U	37.8	-19.8	0	59.76	-	-	-	-	68.2	-8.44	112	100	H
10.51592	42.3	PK-U	37.8	-19.8	0	60.3	-	-	-	-	68.2	-7.9	192	103	V
* 15.78133	35.02	PK-U	40.3	-19.6	0	55.72	-	-	74	-18.28	-	-	0	100	H
* 15.77817	36.03	PK-U	40.3	-19.6	0	56.73	-	-	74	-17.27	-	-	0	100	V

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

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

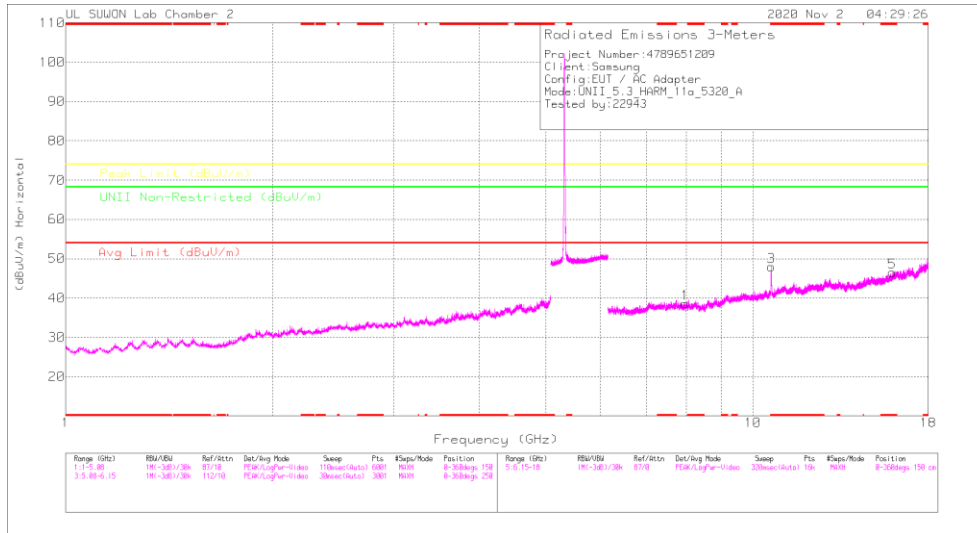
**Radiated Emissions**

Frequency (GHz)	Meas Reading (dBm)	Det	317_00168724	6GHz_HPS(B)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (feet)	Height (m)	Polarity
7.95136	36.75	PK-U	36	-23.2	0	49.55	-	-	-	-	68.2	-18.65	360	100	H
7.95063	37.06	PK-U	36	-23.2	0	49.86	-	-	-	-	68.2	-18.34	0	100	V
* 10.61354	39.72	PK-U	37.9	-18.9	0	58.72	-	-	74	-15.28	-	-	108	113	H
* 10.60344	27.88	ADR	37.9	-18.9	.15	47.03	54	-6.97	-	-	-	-	108	113	H
* 10.6084	42.02	PK-U	37.9	-19	0	60.92	-	-	74	-13.08	-	-	146	131	V
* 10.60344	30.11	ADR	37.9	-18.9	.15	49.26	54	-4.74	-	-	-	-	146	131	V
* 15.90152	34.19	PK-U	40.5	-19	0	55.69	-	-	74	-18.31	-	-	0	100	H
* 15.90115	34.52	PK-U	40.5	-18.9	0	56.12	-	-	74	-17.88	-	-	0	100	V

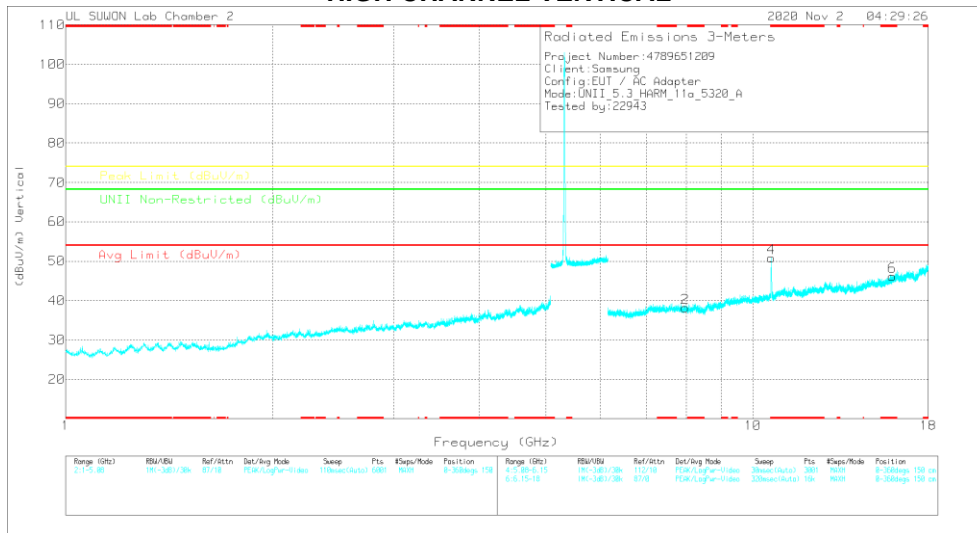
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



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

### HIGH CHANNEL DATA

#### Radiated Emissions

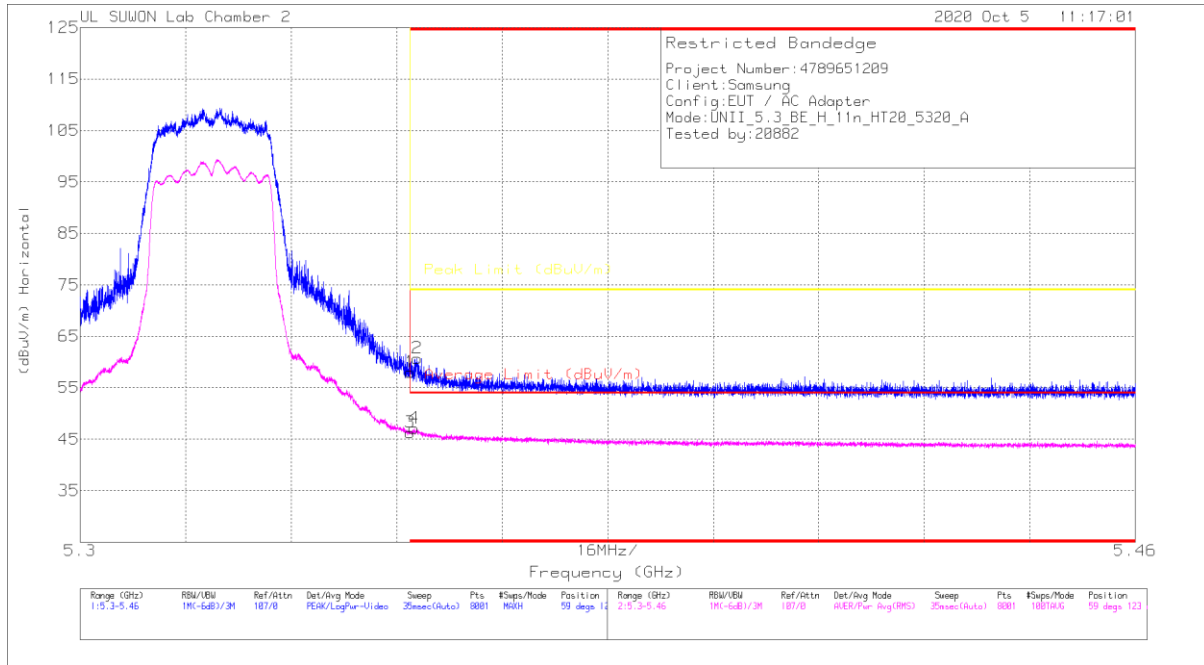
Frequency (GHz)	Meter Reading (dBm)	Det	317_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
7.98071	36.25	PK-U	36	-23.3	0	48.95	-	-	-	-	68.2	-19.25	0	100	H
7.97838	36.6	PK-U	36	-23.3	0	49.3	-	-	-	-	68.2	-18.9	0	100	V
* 10.63612	42.87	PK-U	37.9	-18.9	0	61.87	-	-	74	-12.13	-	-	111	118	H
* 10.6382	29.51	ADR	37.9	-19	.15	48.56	54	-5.44	-	-	-	-	111	118	H
* 10.6383	44.21	PK-U	37.9	-18.9	0	63.21	54	-3.58	74	-10.79	-	-	149	104	V
* 10.643	31.37	ADR	37.9	-19	.15	50.42	54	-	-	-	-	-	149	104	V
* 15.96112	34.93	PK-U	40.6	-19.3	0	56.23	-	-	74	-17.77	-	-	0	100	H
* 15.9598	34.56	PK-U	40.6	-19.2	0	55.96	-	-	74	-18.04	-	-	0	100	V

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

### 11.2.2.TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.3GHz BAND

#### RESTRICTED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuh (Degs)	Height (cm)	Polarity
1	* 5.35002	41.65	Pk	34.5	-18.1	0	58.05	-	-	74	-15.95	59	123	H
2	* 5.3511	44.34	Pk	34.5	-18.1	0	60.74	-	-	74	-13.26	59	123	H
3	* 5.35002	29.9	RMS	34.5	-18.1	0	46.3	54	-7.7	-	-	59	123	H
4	* 5.35064	30.74	RMS	34.5	-18.1	0	47.14	54	-6.86	-	-	59	123	H

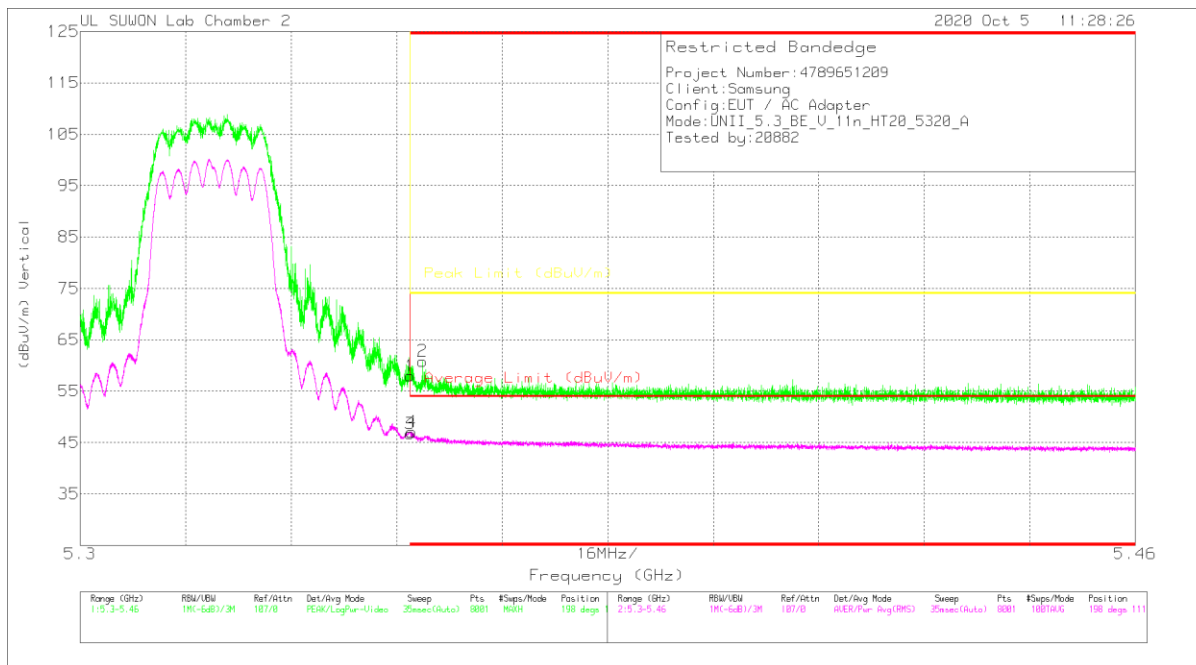
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[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	* 5.35002	41.56	Pk	34.5	-18.1	0	57.96	-	-	74	-16.04	198	111	V
2	* 5.35194	44.44	Pk	34.5	-18.1	0	60.84	-	-	74	-13.16	198	111	V
3	* 5.35002	30.34	RMS	34.5	-18.1	0	46.74	54	-7.26	-	-	198	111	V
4	* 5.35026	30.67	RMS	34.5	-18.1	0	47.07	54	-6.93	-	-	198	111	V

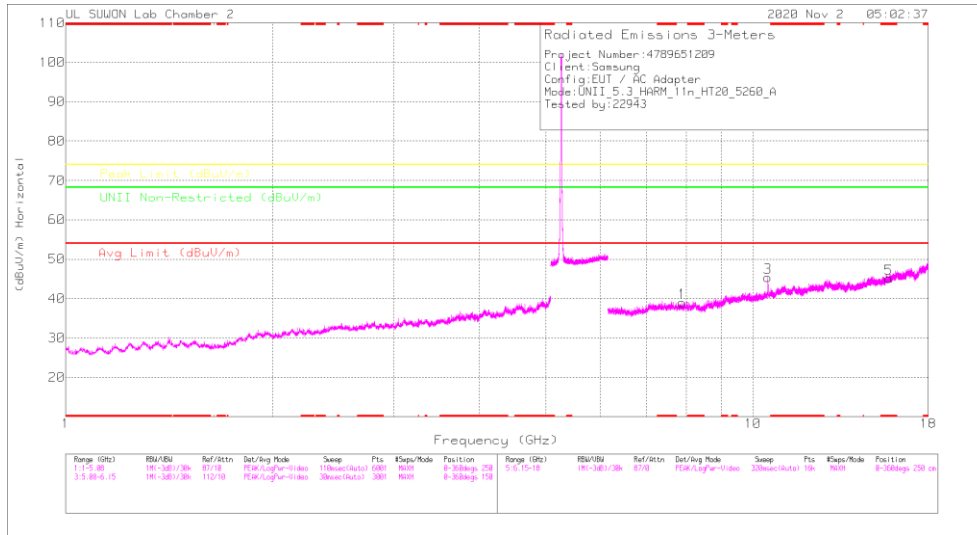
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

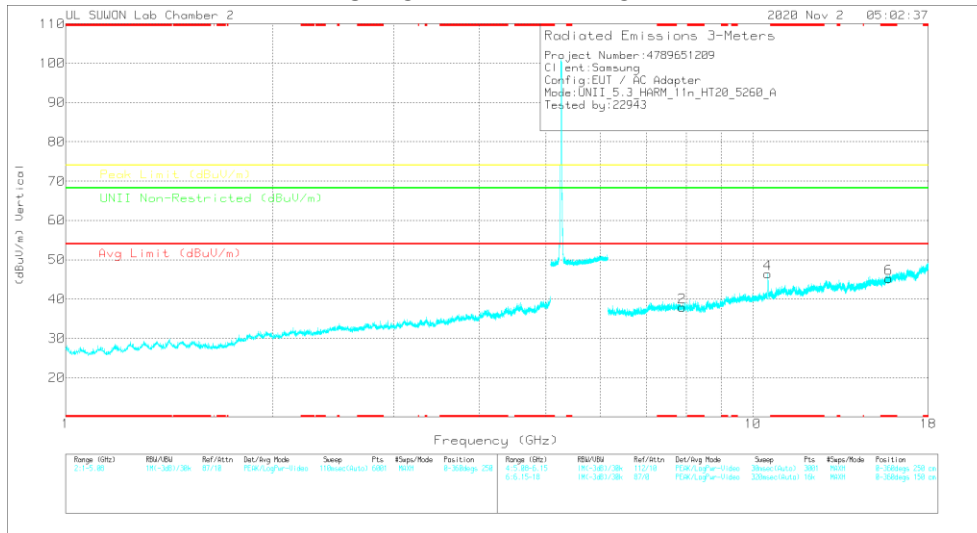
RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



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

**LOW CHANNEL DATA**

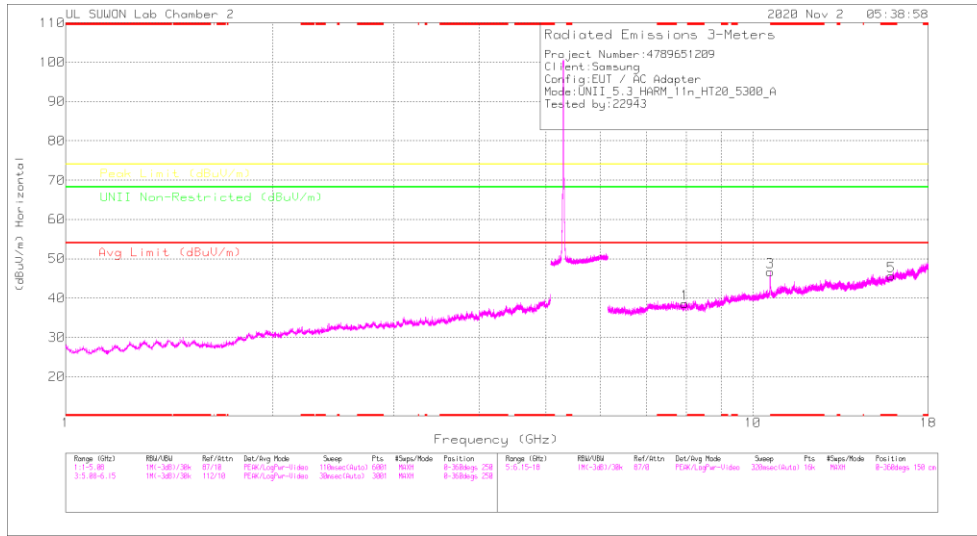
**Radiated Emissions**

Frequency (GHz)	Meas Reading (dBuV)	Det	317_00168724	6GHz_H(FPS)dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
7.89185	37.18	PK-U	36	-23.7	0	49.48	-	-	-	-	68.2	-18.72	0	100	H
7.89036	37.13	PK-U	36	-23.7	0	49.43	-	-	-	-	68.2	-18.77	360	100	V
10.52114	40.67	PK-U	37.8	-19.8	0	58.67	-	-	-	-	68.2	-9.53	112	109	H
10.52154	40.38	PK-U	37.8	-19.8	0	58.38	-	-	-	-	68.2	-9.82	192	101	V
* 15.78184	35.78	PK-U	40.3	-19.6	0	56.48	-	-	74	-17.52	-	-	0	100	H
* 15.77833	35.35	PK-U	40.3	-19.6	0	56.05	-	-	74	-17.95	-	-	0	100	V

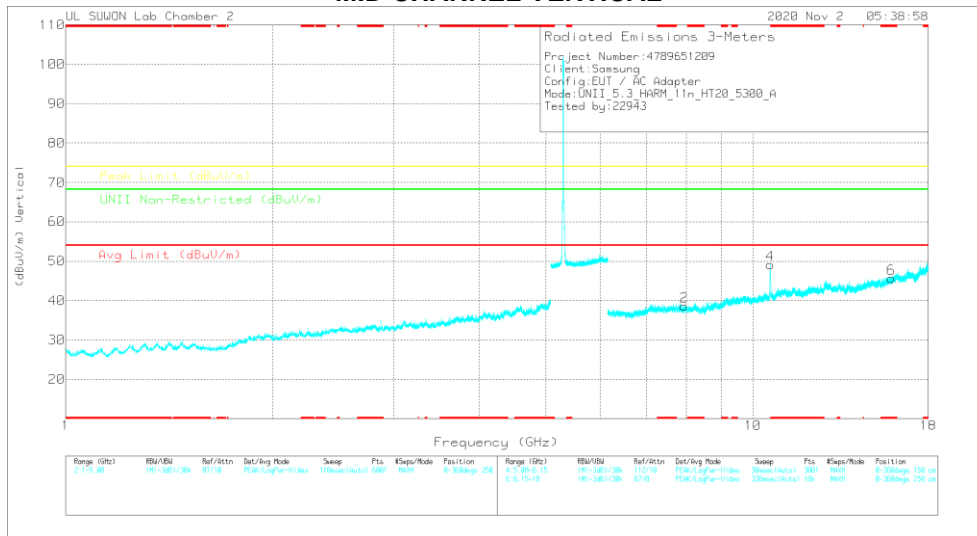
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

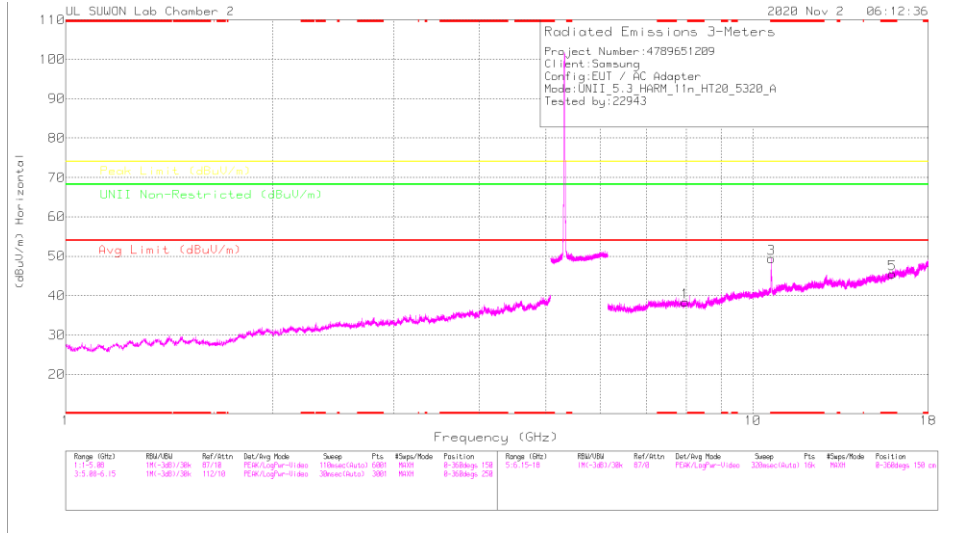
**MID CHANNEL DATA**

**Radiated Emissions**

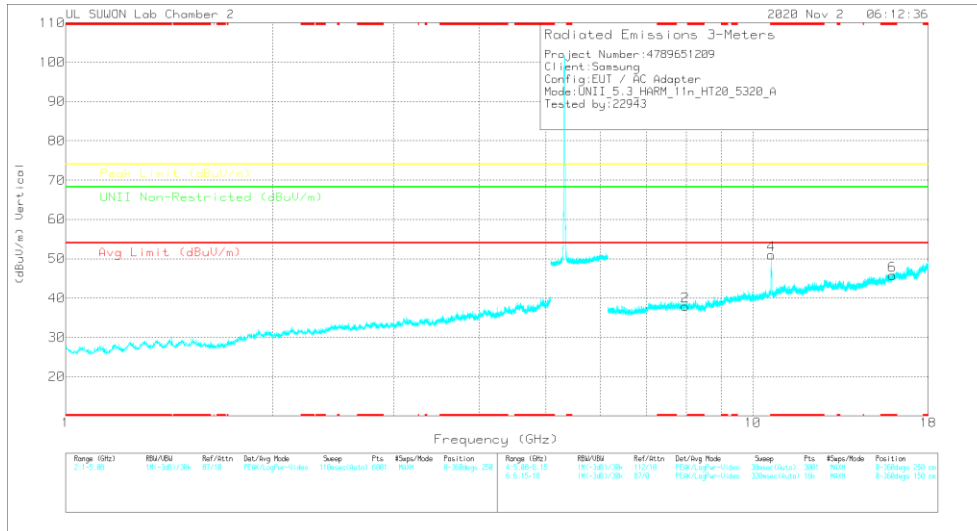
Frequency (GHz)	Max Reading (dBuV)	Det	317_00160724	@GHz_HF@dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
7.94944	35.75	PK-U	36	-23.2	0	48.55	-	-	-	-	68.2	-19.65	360	100	H
7.95047	36.62	PK-U	36	-23.2	0	49.42	-	-	-	-	68.2	-18.78	0	100	V
*10.60116	41.56	PK-U	37.9	-18.8	0	60.66	-	-	74	-13.34	-	-	111	118	H
*10.60174	28.14	ADR	37.9	-18.7	0	47.34	54	-6.66	-	-	-	-	111	118	H
*10.60172	42.14	PK-U	37.9	-18.7	0	61.34	-	-	74	-12.66	-	-	146	130	V
*10.60194	29.54	ADR	37.9	-18.8	0	48.64	54	-5.36	-	-	-	-	146	130	V
*15.90192	34.49	PK-U	40.5	-19	0	55.99	-	-	74	-18.01	-	-	0	100	H
*15.90026	34.58	PK-U	40.5	-19	0	56.08	-	-	74	-17.92	-	-	0	100	V

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

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



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

### HIGH CHANNEL DATA

#### Radiated Emissions

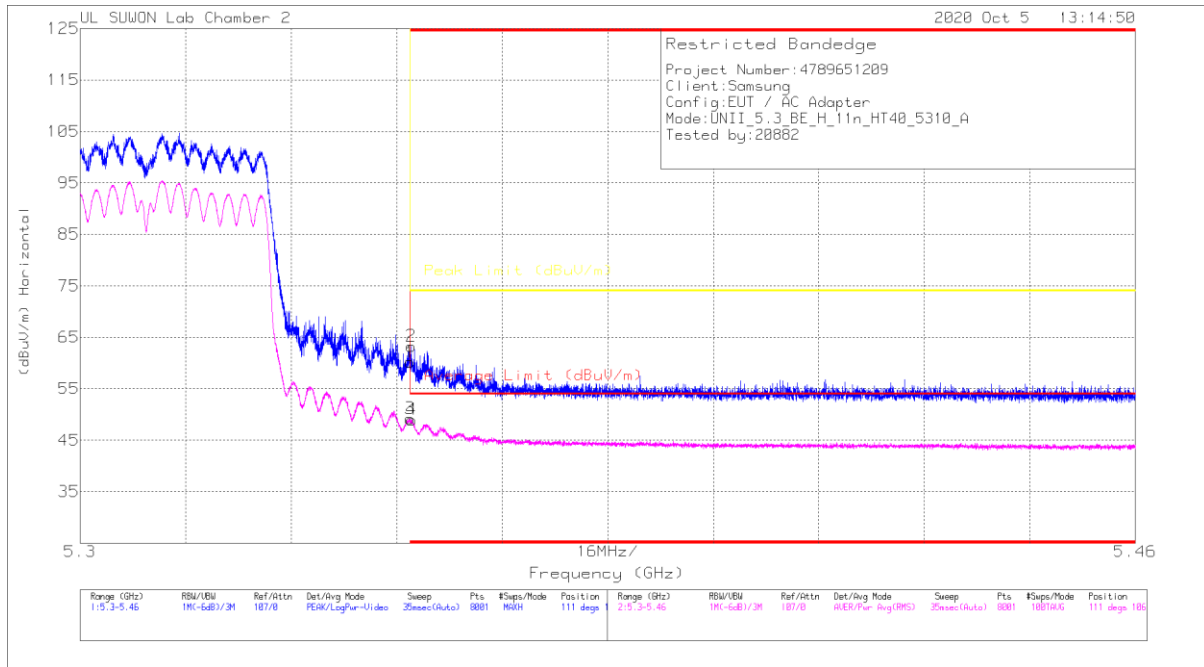
Frequency (GHz)	Main Reading (dBuV)	Det	317_00168724	6GHz_HF[dB]	DC Corr (dB)	Compass Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asmuth (Diags)	Height (cm)	Polarity
7.97857	36.1	PK-U	36	-23.3	0	48.8	-	-	-	-	68.2	-19.4	0	100	H
7.97868	36.16	PK-U	36	-23.3	0	48.86	-	-	-	-	68.2	-19.34	0	100	V
*10.64172	42.53	PK-U	37.9	-19	0	61.43	-	74	-	-12.57	-	-	111	118	H
*10.63918	29.4	ADR	37.9	-19	0	48.3	54	-5.7	-	-	-	-	111	118	H
*10.64198	43.55	PK-U	37.9	-19	0	62.45	-	74	-	-11.55	-	-	145	126	V
*10.63912	30.8	ADR	37.9	-19	0	49.7	54	-4.3	-	-	-	-	145	126	V
*15.96036	34.43	PK-U	40.6	-19.2	0	55.83	-	74	-	-18.17	-	-	0	100	H
*15.95885	34.9	PK-U	40.6	-19.1	0	56.4	-	74	-	-17.6	-	-	0	100	V

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

### 11.2.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.3GHz BAND

#### RESTRICTED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

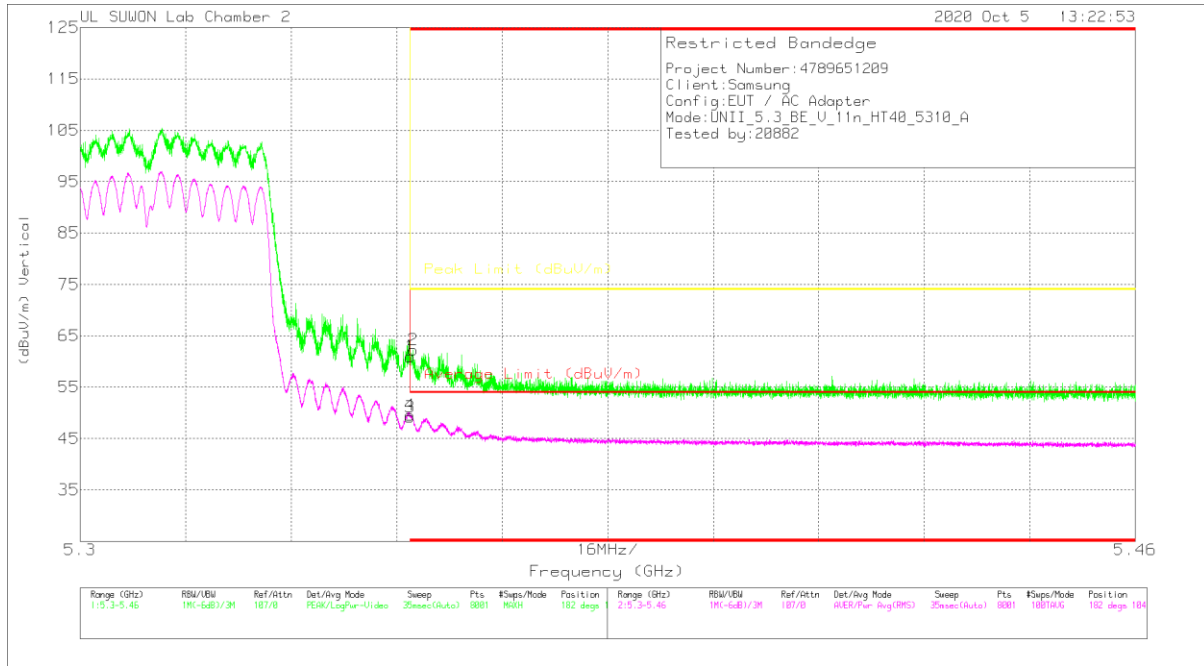
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	43.8	Pk	34.5	-18.1	0	60.2	-	-	74	-13.8	111	106	H
2	* 5.35022	46.87	Pk	34.5	-18.1	0	63.27	-	-	74	-10.73	111	106	H
3	* 5.35002	32.81	RMS	34.5	-18.1	0	49.21	54	-4.79	-	-	111	106	H
4	* 5.35026	32.59	RMS	34.5	-18.1	0	48.99	54	-5.01	-	-	111	106	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[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	* 5.35002	44.59	Pk	34.5	-18.1	0	60.99	-	-	74	-13.01	182	104	V
2	* 5.35046	45.84	Pk	34.5	-18.1	0	62.24	-	-	74	-11.76	182	104	V
3	* 5.35002	32.78	RMS	34.5	-18.1	0	49.18	54	-4.82	-	-	182	104	V
4	* 5.35004	33.14	RMS	34.5	-18.1	0	49.54	54	-4.46	-	-	182	104	V

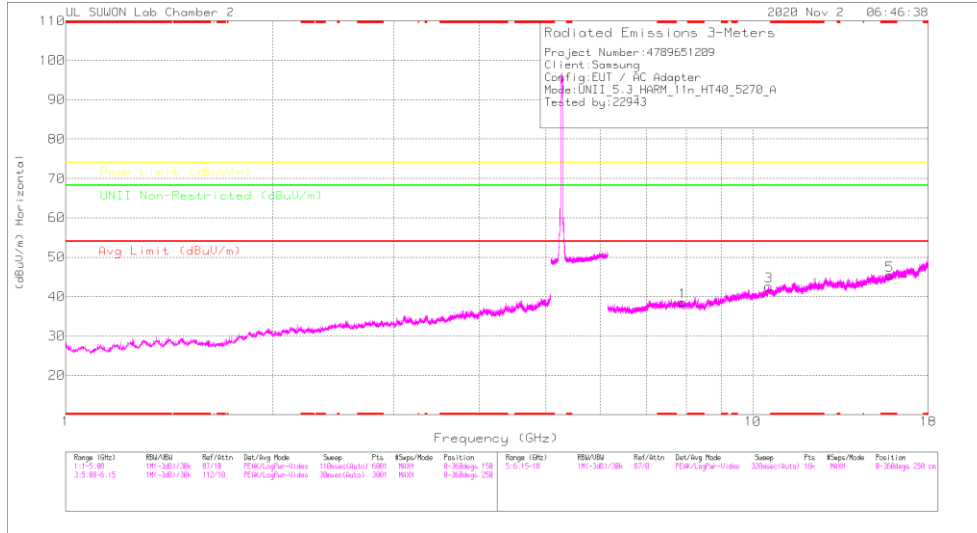
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

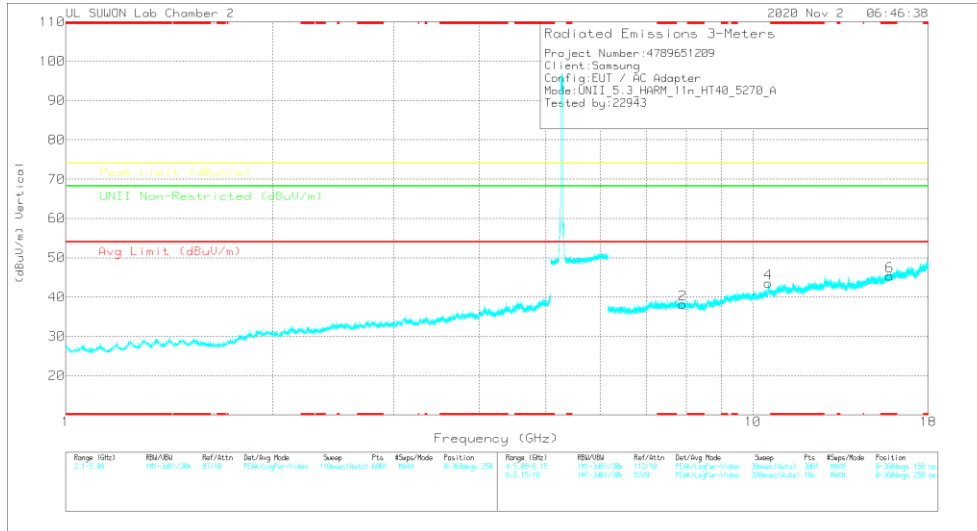
RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



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

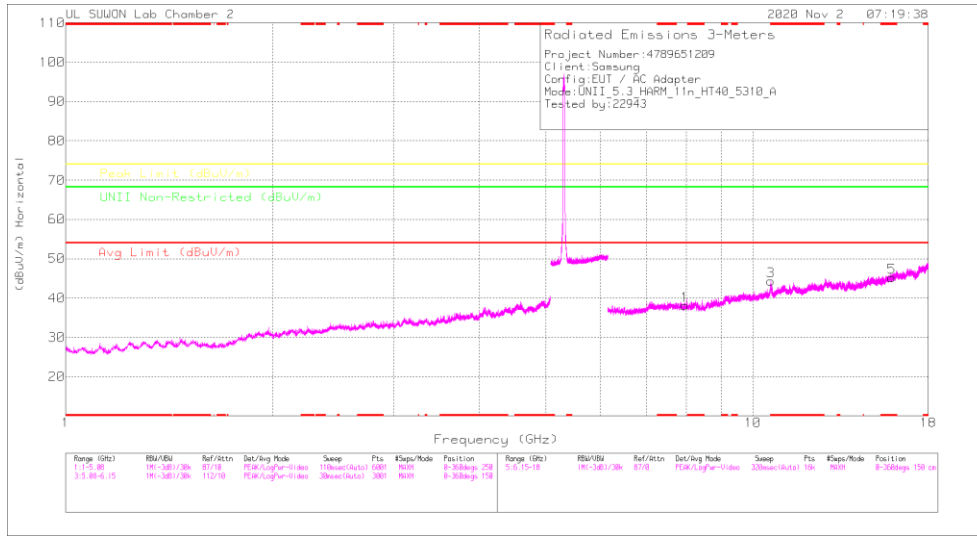
**LOW CHANNEL DATA**

**Radiated Emissions**

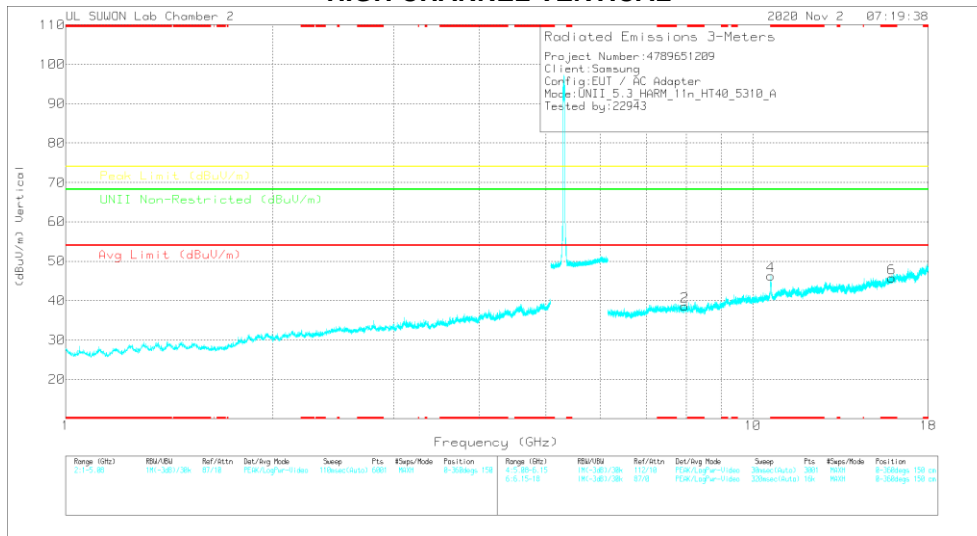
Frequency (GHz)	Meas Reading (dBuV)	Det	317_00168724	6GHz_HPS(S)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Meters)	Height (cm)	Polarity
7.90408	36.54	PK-U	36	-23.6	0	48.94	-	-	-	-	68.2	-19.26	0	100	H
7.90584	37.14	PK-U	36	-23.5	0	49.64	-	-	-	-	68.2	-18.56	0	100	V
10.54722	36.82	PK-U	37.9	-19.7	0	55.02	-	-	-	-	68.2	-13.18	107	107	H
10.5413	37.48	PK-U	37.8	-19.8	0	55.48	-	-	-	-	68.2	-12.72	136	101	V
*15.81089	35.21	PK-U	40.4	-19.4	0	56.21	-	-	74	-17.79	-	-	0	100	H
*15.81122	35.06	PK-U	40.4	-19.5	0	55.96	-	-	74	-18.04	-	-	0	100	V

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

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



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

### HIGH CHANNEL DATA

#### Radiated Emissions

Frequency (GHz)	Max Reading (dBuV)	Dir	0117_00168724	SQL_HF(SR)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Meters)	Height (cm)	Polarity
7.96541	36.46	PK-U	36	-23.1	0	49.36	-	-	-	-	68.2	-18.84	0	100	H
7.96579	36.08	PK-U	36	-23.1	0	49.28	-	-	-	-	68.2	-19.22	0	100	V
* 10.61658	37.83	PK-U	37.9	-18.9	0	56.63	-	-	74	-17.37	-	-	107	118	H
* 10.62142	24.98	ADR	37.9	-19	0	43.88	54	-10.12	-	-	-	-	107	118	H
* 10.62164	39.09	PK-U	37.9	-18.9	0	58.09	-	-	74	-15.91	-	-	149	102	V
* 10.61958	26.41	ADR	37.9	-19	0	45.31	54	-8.69	-	-	-	-	149	102	V
* 15.92922	34.83	PK-U	40.6	-19.2	0	56.23	-	-	74	-17.77	-	-	0	100	H
* 15.93021	34.52	PK-U	40.6	-19.1	0	56.02	-	-	74	-17.98	-	-	0	100	V

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

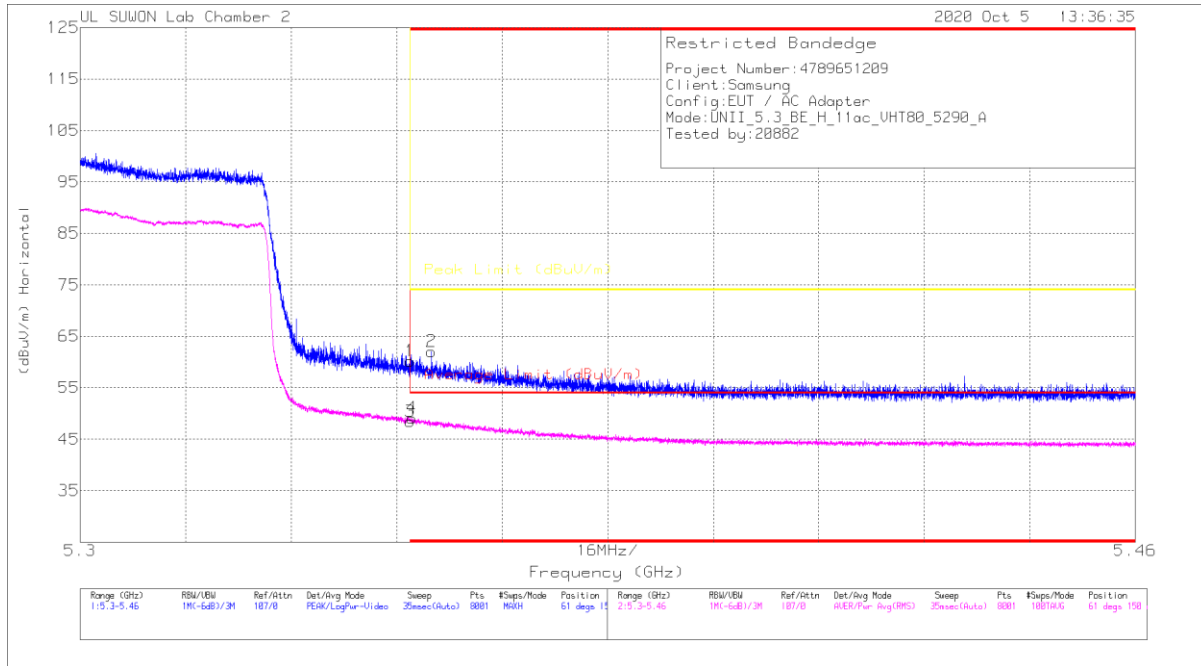
PK-U - U-NII: Maximum Peak



### 11.2.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.3GHz BAND

#### RESTRICTED BANDEDGE (High CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

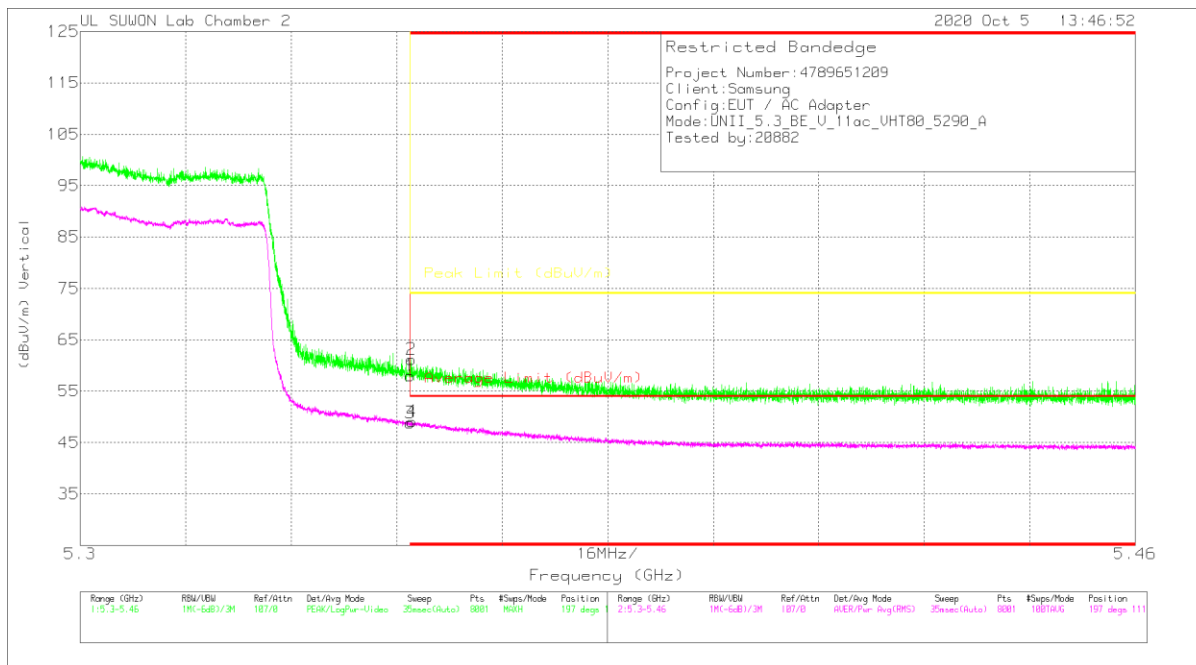
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35002	43.8	PK	34.5	-18.1	0	60.2	-	-	74	-13.8	61	150	H
2	* 5.35328	45.77	PK	34.5	-18.2	0	62.07	-	-	74	-11.93	61	150	H
3	* 5.35002	31.7	RMS	34.5	-18.1	.32	48.42	54	-5.58	-	-	61	150	H
4	* 5.35028	32.38	RMS	34.5	-18.1	.32	49.1	54	-4.9	-	-	61	150	H

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

PK - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[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	* 5.35002	41.63	Pk	34.5	-18.1	0	58.03	-	-	74	-15.97	197	111	V
2	* 5.35022	44.78	Pk	34.5	-18.1	0	61.18	-	-	74	-12.82	197	111	V
3	* 5.35002	32.13	RMS	34.5	-18.1	.32	48.85	54	-5.15	-	-	197	111	V
4	* 5.35032	32.37	RMS	34.5	-18.1	.32	49.09	54	-4.91	-	-	197	111	V

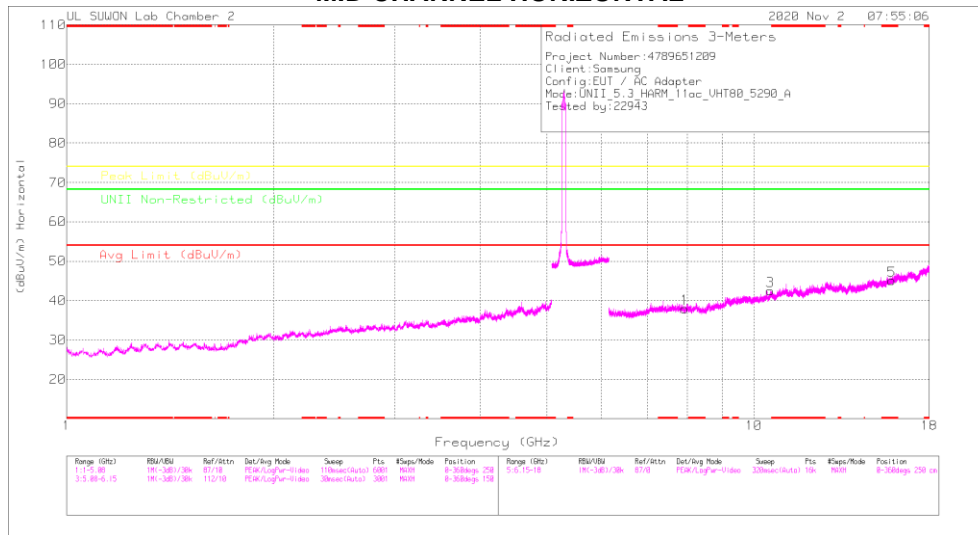
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

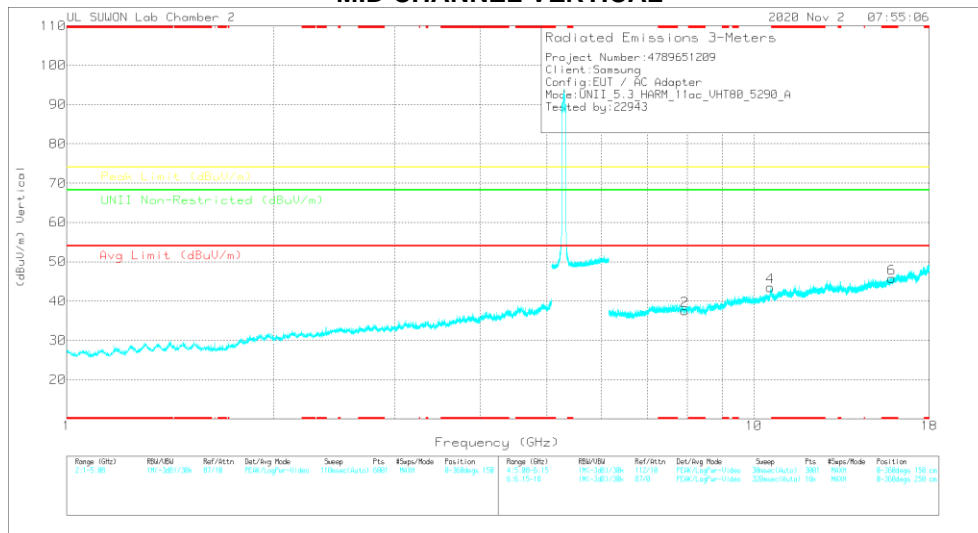
RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

**Radiated Emissions**

Frequency (GHz)	Meas Reading (dBuV)	Det	317_00168724	6GHz_HF[S]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asmth (Degs)	Height (cm)	Polarity
7.93401	35.7	PK-U	36	-23.4	0	48.3	-	-	-	-	68.2	-19.9	0	100	H
7.93486	35.89	PK-U	36	-23.4	0	49.49	-	-	-	-	68.2	-18.71	0	100	V
10.59668	34.78	PK-U	37.9	-18.8	0	53.88	-	-	-	-	68.2	-14.32	107	120	H
10.59644	36.19	PK-U	37.9	-18.8	0	55.29	-	-	-	-	68.2	-12.91	138	102	V
* 15.87105	35.31	PK-U	40.5	-19.1	0	56.71	-	-	74	-17.29	-	-	0	100	H
* 15.86891	34.69	PK-U	40.5	-19.4	0	55.79	-	-	74	-18.21	-	-	0	100	V

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

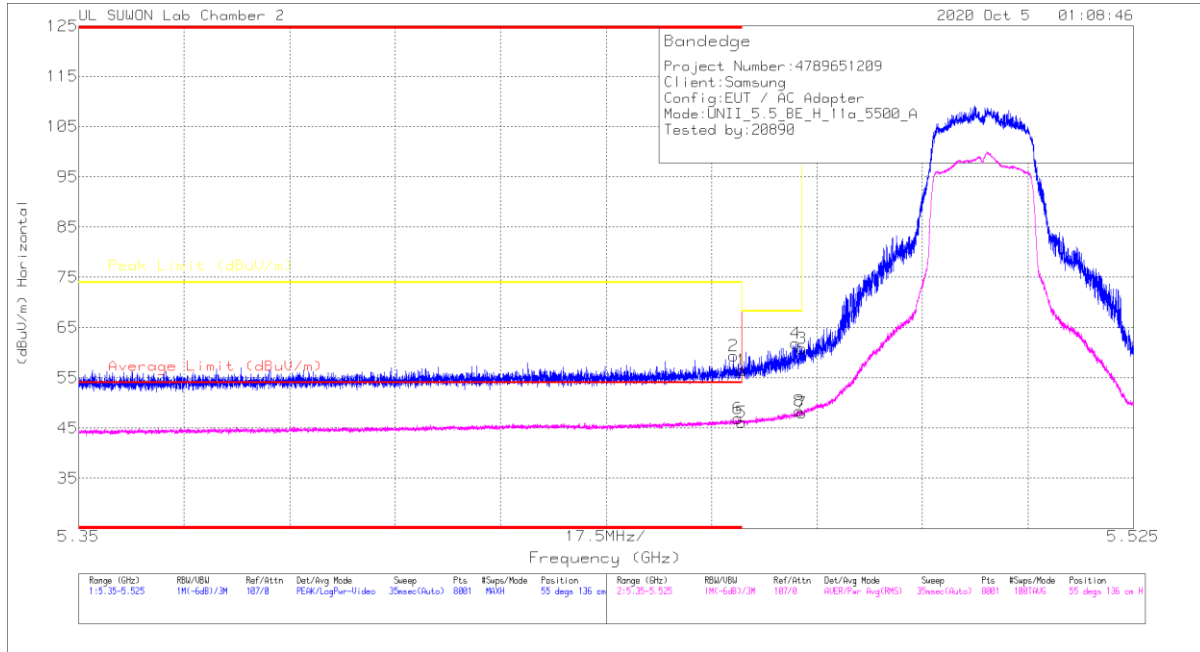
PK-U - U-NII: Maximum Peak

### 11.3. 5.5-5.6 GHz

#### 11.3.1. TX ABOVE 1 GHz 802.11a 2Tx MODE IN THE 5.5 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

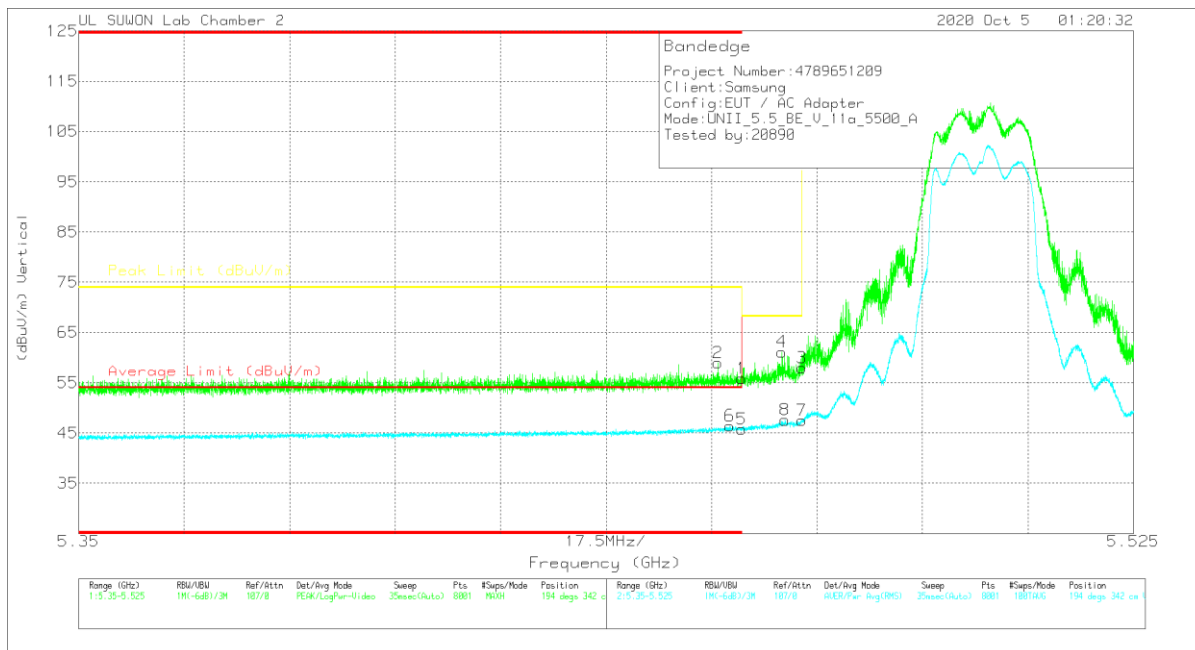
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBm)	Average Limit (dBm/m)	Margin (dB)	Peak Limit (dBm/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	40.02	Pk	34.6	-18.1	0	56.52	-	-	74	-17.48	55	136	H
2	* 5.45881	42.8	Pk	34.6	-18.1	0	59.3	-	-	74	-14.7	55	136	H
3	5.46998	44.32	Pk	34.6	-18.1	0	60.82	-	-	68.2	-7.38	55	136	H
4	5.46891	45.31	Pk	34.6	-18.1	0	61.81	-	-	68.2	-6.39	55	136	H
5	* 5.45999	29.47	RMS	34.6	-18.1	-15	46.12	54	-7.88	-	-	55	136	H
6	* 5.45942	30.23	RMS	34.6	-18.1	-15	46.88	54	-7.12	-	-	55	136	H
7	5.46998	31.4	RMS	34.6	-18.1	-15	48.05	-	-	-	-	55	136	H
8	5.46961	31.75	RMS	34.6	-18.1	-15	48.4	-	-	-	-	55	136	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	39.33	Pk	34.6	-18.1	0	55.83	-	-	74	-18.17	194	342	V
2	* 5.45607	42.51	Pk	34.6	-18.1	0	59.01	-	-	74	-14.99	194	342	V
3	5.46998	41.49	Pk	34.6	-18.1	0	57.99	-	-	68.2	-10.21	194	342	V
4	5.46655	44.66	Pk	34.6	-18.1	0	61.16	-	-	68.2	-7.04	194	342	V
5	* 5.45999	29.17	RMS	34.6	-18.1	-15	45.82	54	-8.18	-	-	194	342	V
6	* 5.45804	29.8	RMS	34.6	-18.1	-15	46.45	54	-7.55	-	-	194	342	V
7	5.46998	30.92	RMS	34.6	-18.1	-15	47.57	-	-	-	-	194	342	V
8	5.46723	30.93	RMS	34.6	-18.1	-15	47.58	-	-	-	-	194	342	V

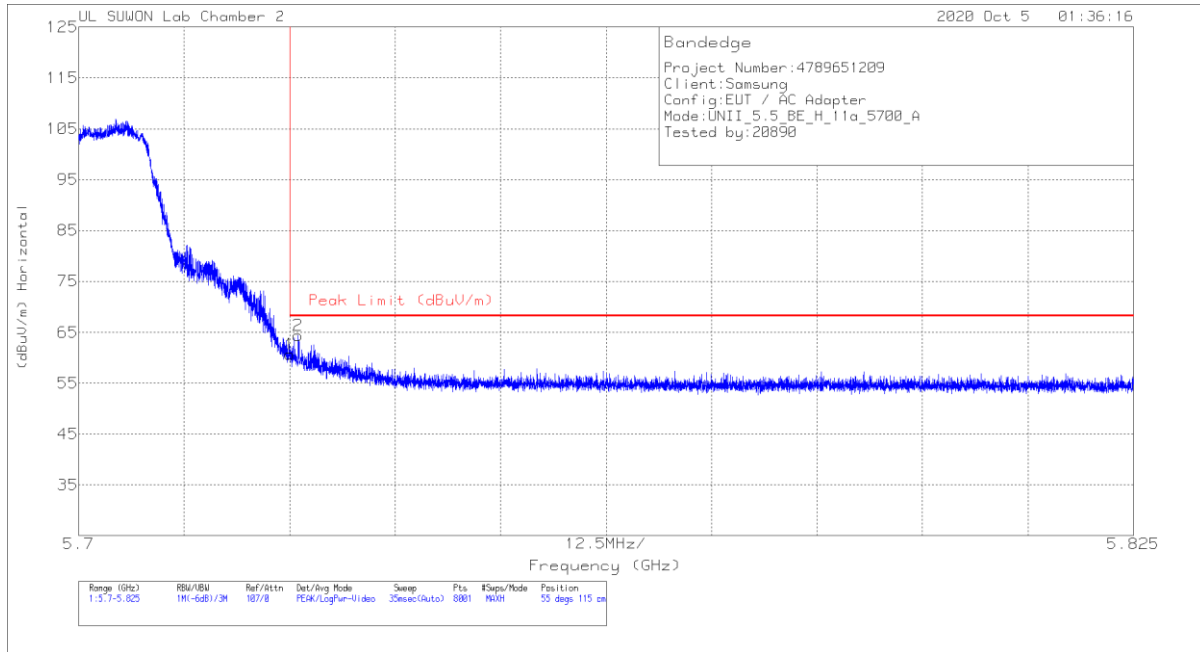
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE DATA**

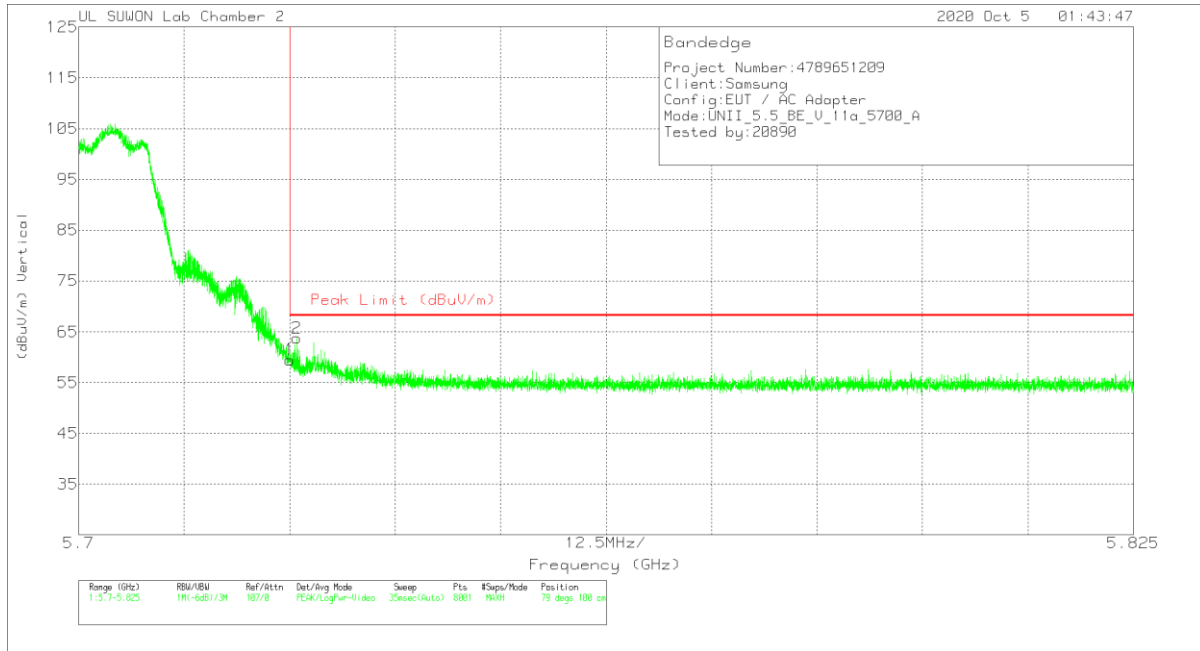


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	43.49	Pk	34.7	-17.5	0	60.69	68.2	-7.51	55	115	H
2	5.72598	47.31	Pk	34.7	-17.6	0	64.41	68.2	-3.79	55	115	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



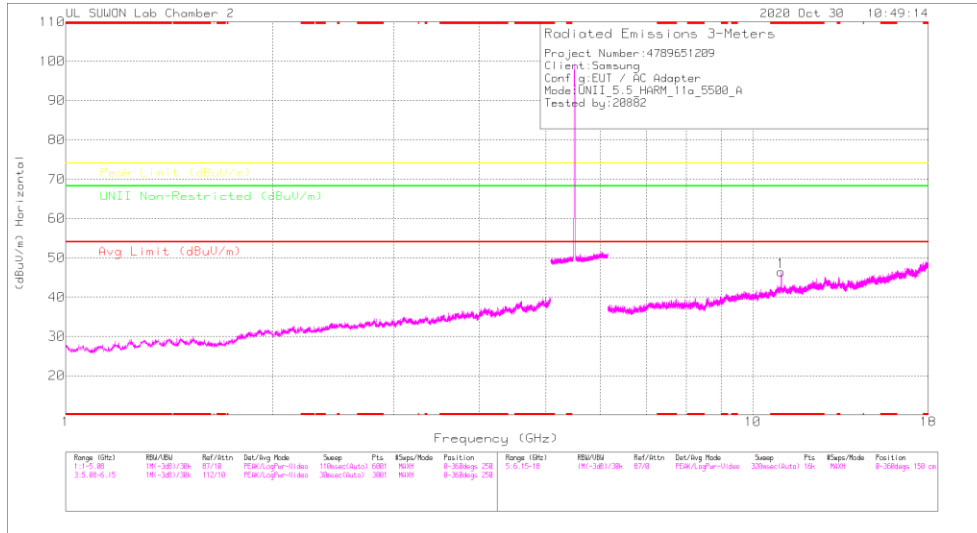
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	42.31	Pk	34.7	-17.5	0	59.51	68.2	-8.69	79	100	V
2	5.72581	46.67	Pk	34.7	-17.6	0	63.77	68.2	-4.43	79	100	V

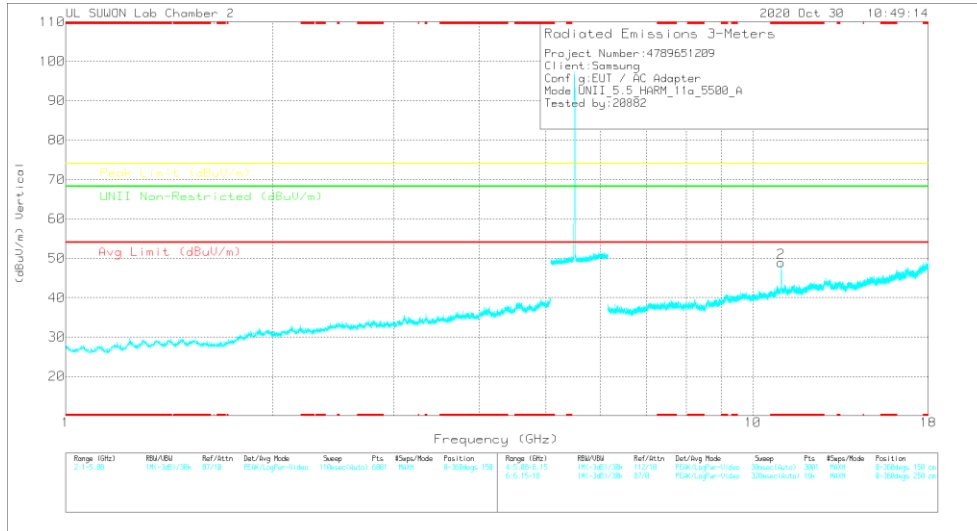
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



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

**LOW CHANNEL DATA**

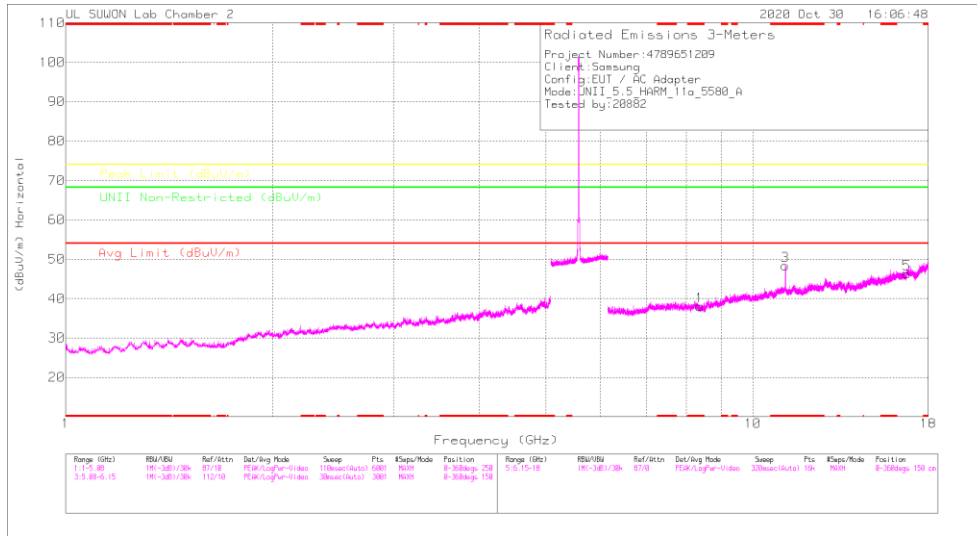
**Radiated Emissions**

Frequency (GHz)	Meas Reading (dBm)	Det	317_00168724	6GHz_HPI(SB)	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Admuth (Disp)	Height (cm)	Polarity
* 8.2447	35.72	PK-U	35.9	-22.3	0	49.32	-	-	74	-24.68	-	-	0	100	H
* 8.24286	36.1	PK-U	35.9	-22.4	0	49.6	-	-	74	-24.4	-	-	0	100	V
* 10.99943	41.63	PK-U	38.2	-19.7	0	60.13	-	-	74	-13.87	-	-	97	106	H
* 10.99916	27.74	ADR	38.2	-19.7	-15	46.39	54	-7.61	-	-	-	-	97	106	H
* 10.99939	44.64	PK-U	38.2	-19.7	0	63.14	-	-	74	-10.86	-	-	157	100	V
* 11.00043	30.95	ADR	38.2	-19.7	.15	49.6	54	-4.4	-	-	-	-	157	100	V
16.50116	34.4	PK-U	40.8	-19.4	0	55.8	-	-	-	-	68.2	-12.4	0	100	H
16.49977	35.07	PK-U	40.8	-19.5	0	56.37	-	-	-	-	68.2	-11.83	0	100	V

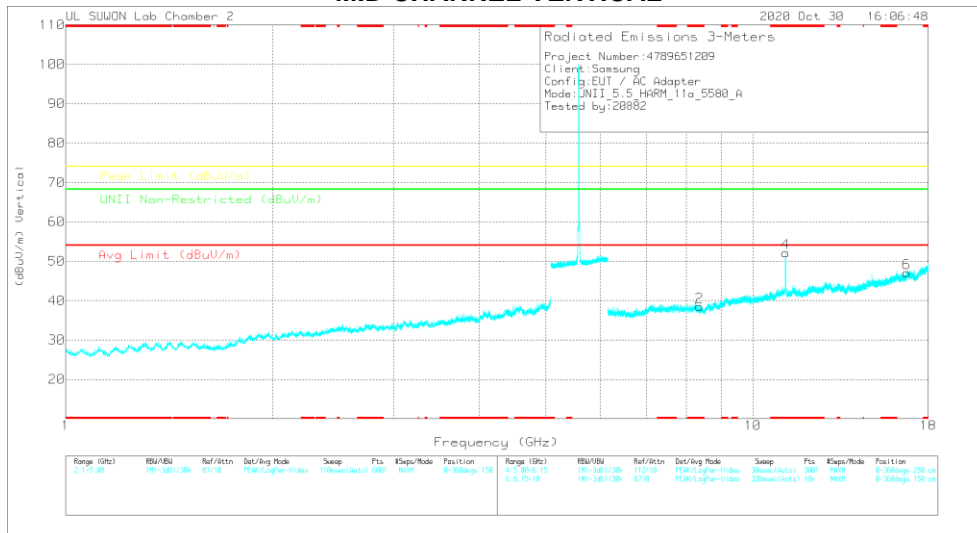
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak  
 ADR - U-NII AD primary method, RMS average



**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

**Radiated Emissions**

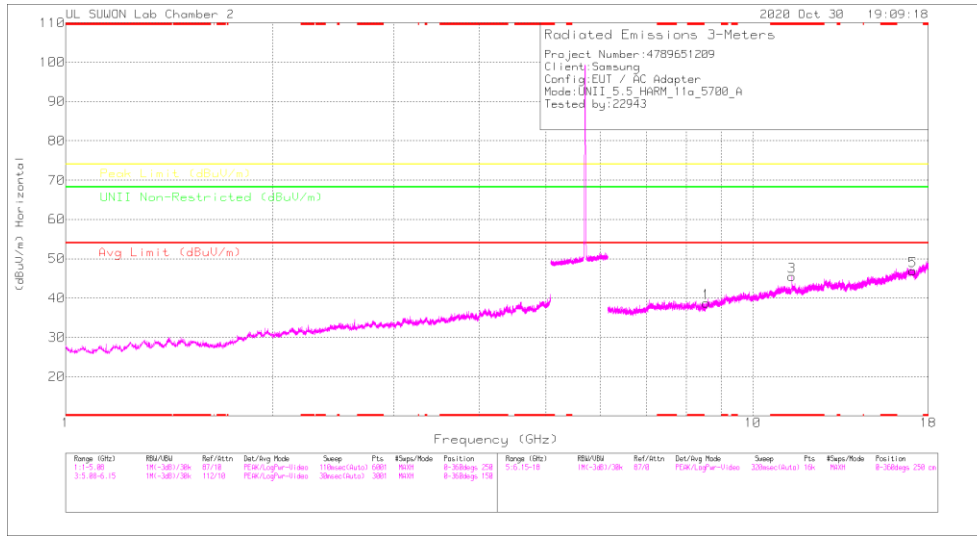
Frequency (GHz)	Main Reading (dBm)	Det	317_00168724	6GHz_HF[S]	DC Corr (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)	Peak Limit (dBm)	Margin (dB)	UNII Non-Restricted (dBm)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
* 8.36927	35.15	PK-U	36	-22.9	0	48.25	-	-	74	-25.75	-	-	0	100	H
* 8.36932	35.99	PK-U	36	-23	0	48.99	-	-	74	-25.01	-	-	0	100	V
* 11.1616	43.43	PK-U	38.3	-19.1	0	62.63	-	-	74	-11.37	-	-	162	101	V
* 11.16124	30.55	ADR	38.3	-19	-15	50	54	-4	-	-	-	-	162	101	V
16.74159	34.98	PK-U	41.1	-18.9	0	57.18	-	-	-	-	68.2	-11.02	0	100	H
16.73837	34.9	PK-U	41.1	-18.8	0	57.2	-	-	-	-	68.2	-11	0	100	V

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

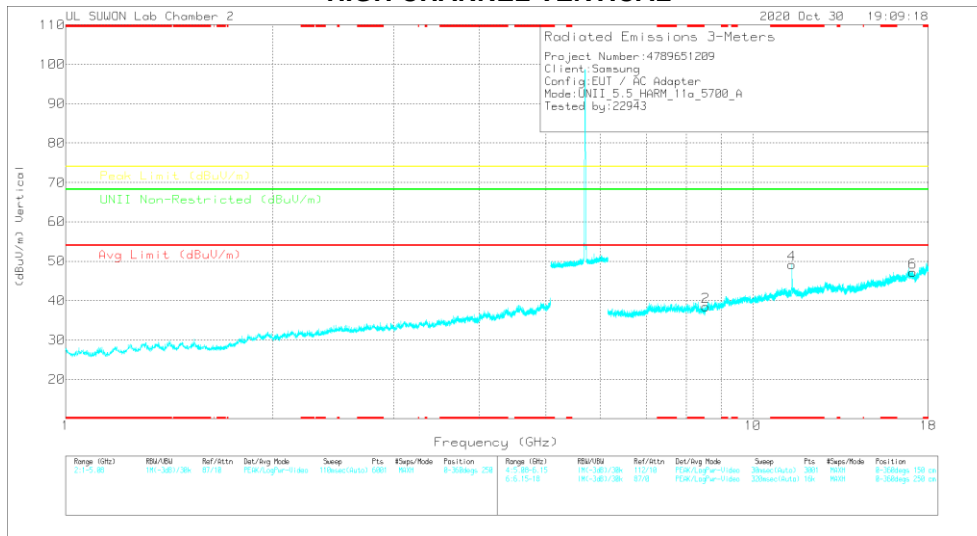
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



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

### HIGH CHANNEL DATA

#### Radiated Emissions

Frequency (GHz)	Meas Reading (dBuV)	Det	317_00168724	60Hz_HPSDR	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (ft)	Height (m)	Polarity
8.55148	34.77	PK-U	36.1	-21.6	0	49.27	-	-	-	-	68.2	-18.93	0	100	H
8.55002	35.02	PK-U	36.1	-21.5	0	49.62	-	-	-	-	68.2	-18.58	0	100	V
*11.40114	37.02	PK-U	38.3	-19.5	0	55.82	-	-	74	-18.18	-	-	111	104	H
*11.40108	24.84	ADR	38.3	-19.5	.15	43.79	54	-10.21	-	-	-	-	111	104	H
*11.40174	42.01	PK-U	38.3	-19.6	0	60.71	-	-	74	-13.29	-	-	162	100	V
*11.4013	29.27	ADR	38.3	-19.5	.15	48.22	54	-5.78	-	-	-	-	162	100	V
17.0988	35.29	PK-U	41	-18.3	0	57.99	-	-	-	-	68.2	-10.21	0	100	H
17.09928	35.08	PK-U	41	-18.3	0	57.78	-	-	-	-	68.2	-10.42	0	100	V

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

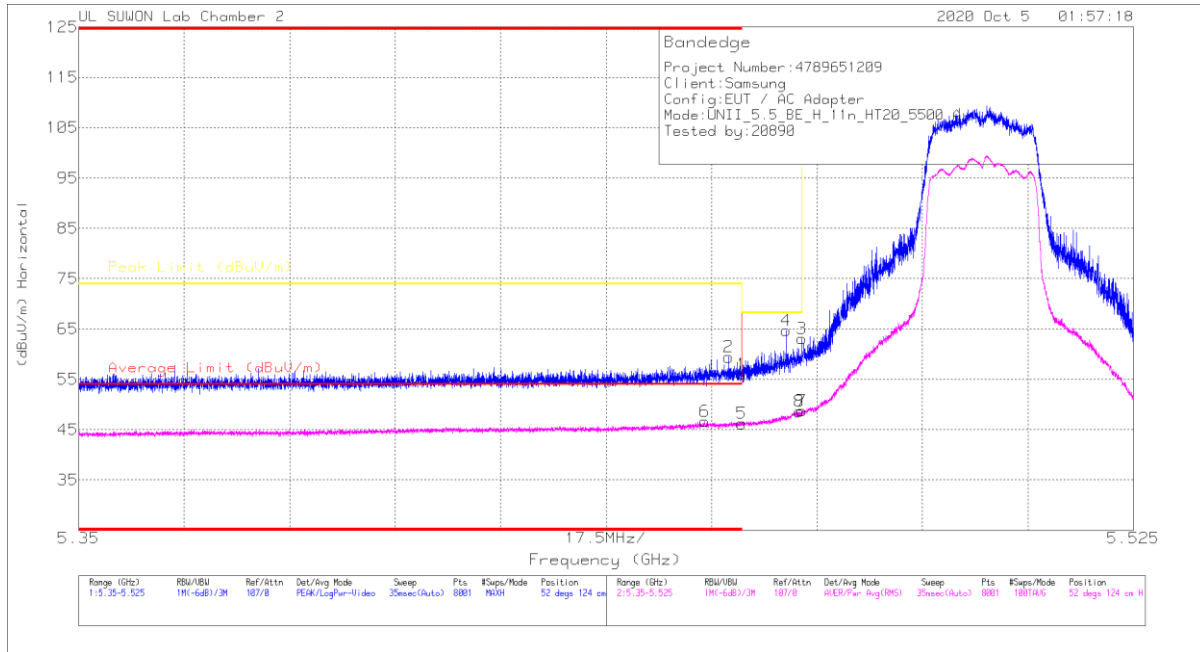
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 11.3.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.5GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

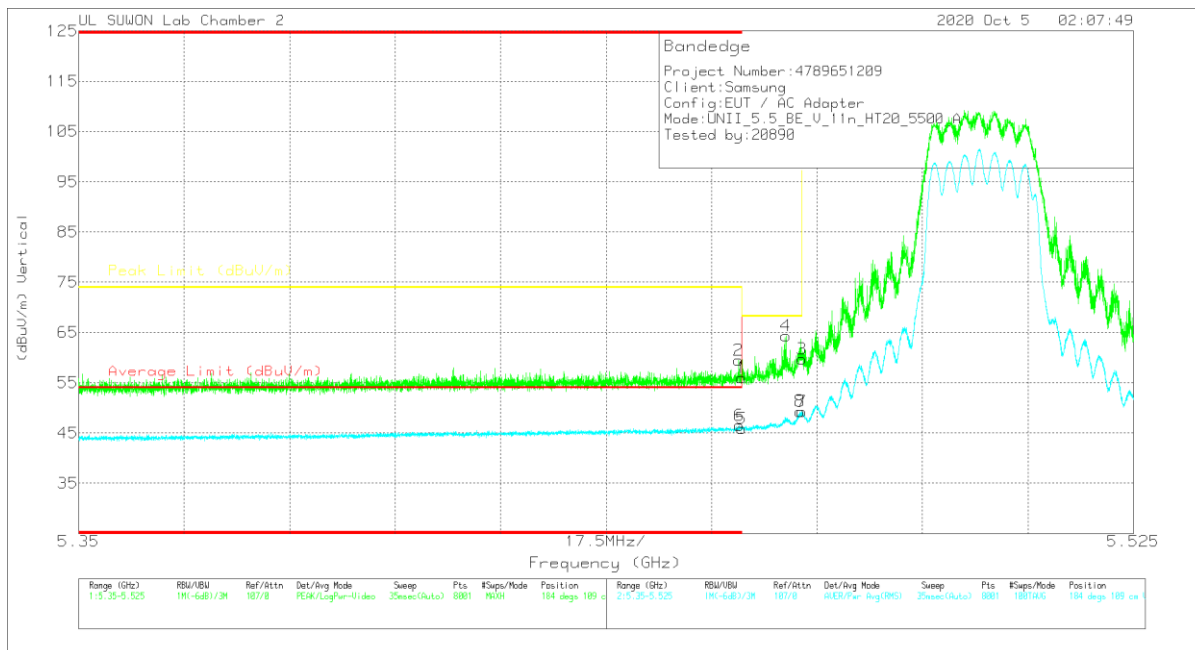
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	39.46	Pk	34.6	-18.1	0	55.96	-	-	74	-18.04	52	124	H
2	* 5.45787	42.92	Pk	34.6	-18.1	0	59.42	-	-	74	-14.58	52	124	H
3	5.46998	46.6	Pk	34.6	-18.1	0	63.1	-	-	68.2	-5.1	52	124	H
4	5.4674	48.22	Pk	34.6	-18.1	0	64.72	-	-	68.2	-3.48	52	124	H
5	* 5.45999	29.71	RMS	34.6	-18.1	0	46.21	54	-7.79	-	-	52	124	H
6	* 5.45388	30.16	RMS	34.6	-18.1	0	46.66	54	-7.34	-	-	52	124	H
7	5.46998	32.28	RMS	34.6	-18.1	0	48.78	-	-	-	-	52	124	H
8	5.46955	32.12	RMS	34.6	-18.1	0	48.62	-	-	-	-	52	124	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	39.49	Pk	34.6	-18.1	0	55.99	-	-	74	-18.01	184	109	V
2	* 5.45953	43	Pk	34.6	-18.1	0	59.5	-	-	74	-14.5	184	109	V
3	5.46998	43.19	Pk	34.6	-18.1	0	59.69	-	-	68.2	-8.51	184	109	V
4	5.46734	47.82	Pk	34.6	-18.1	0	64.32	-	-	68.2	-3.88	184	109	V
5	* 5.45999	29.34	RMS	34.6	-18.1	0	45.84	54	-8.16	-	-	184	109	V
6	* 5.45962	30.02	RMS	34.6	-18.1	0	46.52	54	-7.48	-	-	184	109	V
7	5.46998	32.78	RMS	34.6	-18.1	0	49.28	-	-	-	-	184	109	V
8	5.46968	32.82	RMS	34.6	-18.1	0	49.32	-	-	-	-	184	109	V

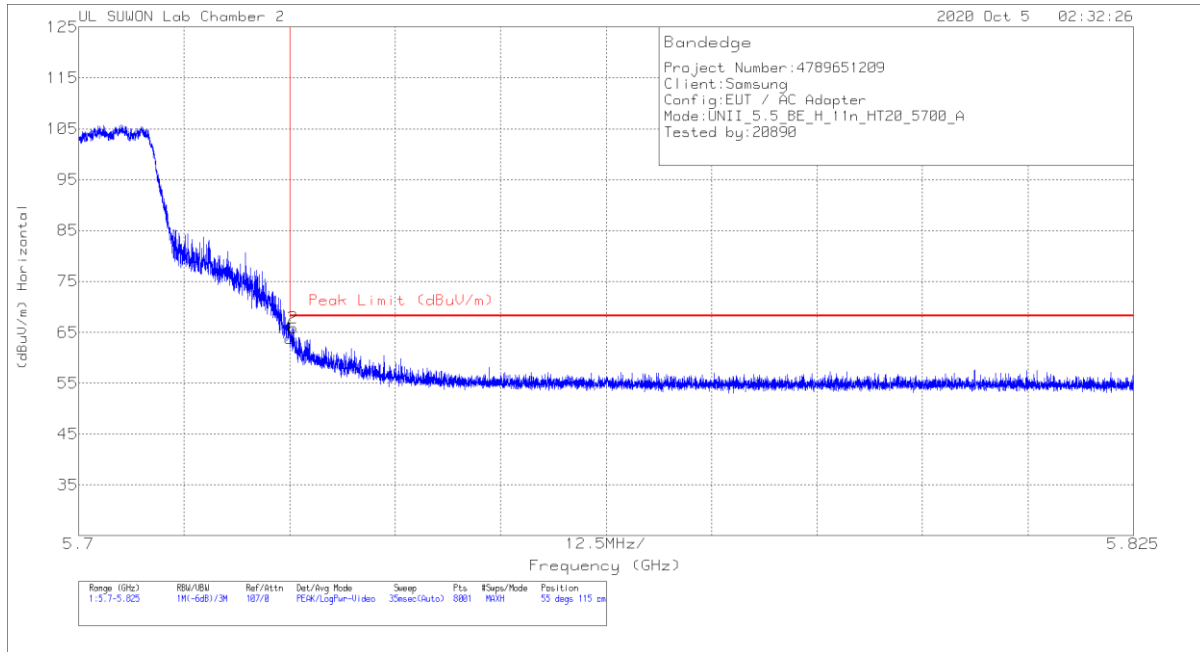
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK DATA**

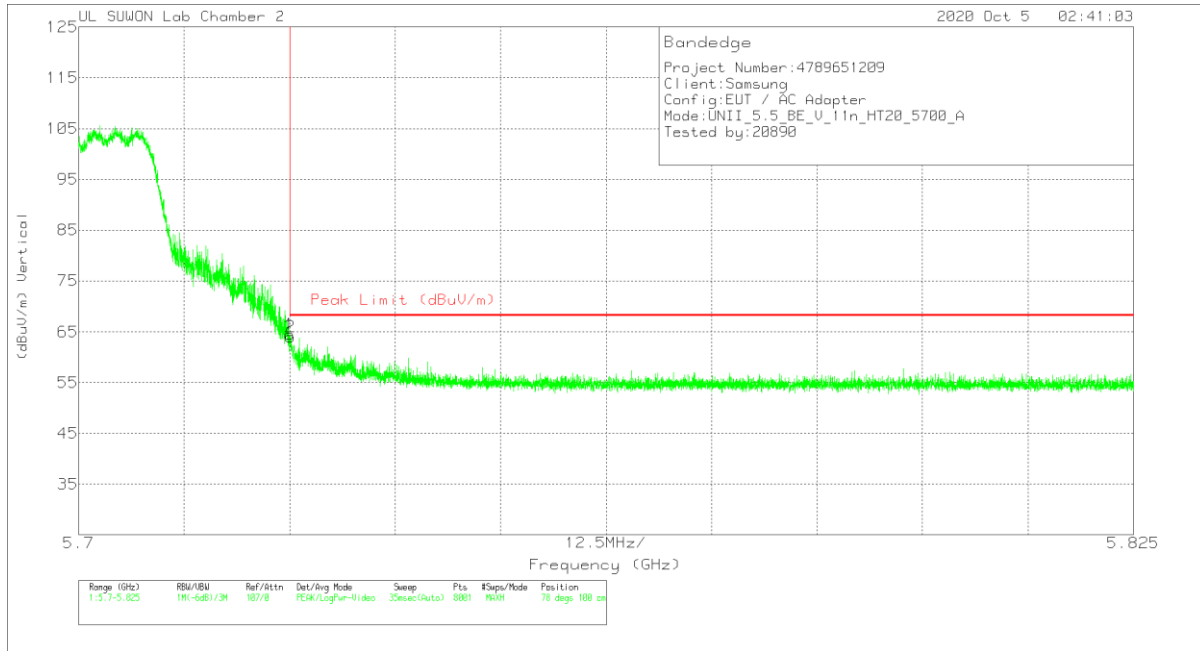


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	46.59	Pk	34.7	-17.5	0	63.79	68.2	-4.41	55	115	H
2	5.72536	48.69	Pk	34.7	-17.5	0	65.89	68.2	-2.31	55	115	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



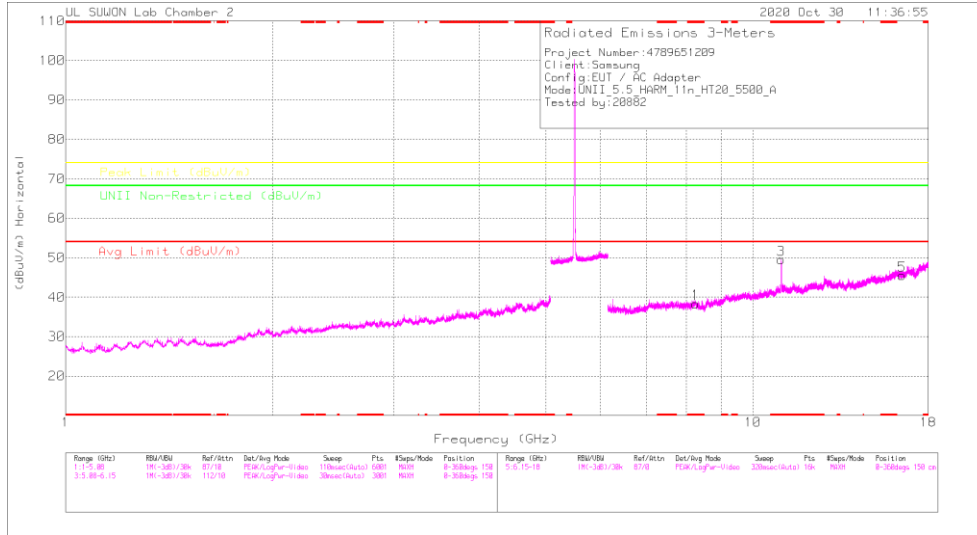
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	47.36	Pk	34.7	-17.5	0	64.56	68.2	-3.64	78	100	V
2	5.72509	46.76	Pk	34.7	-17.5	0	63.96	68.2	-4.24	78	100	V

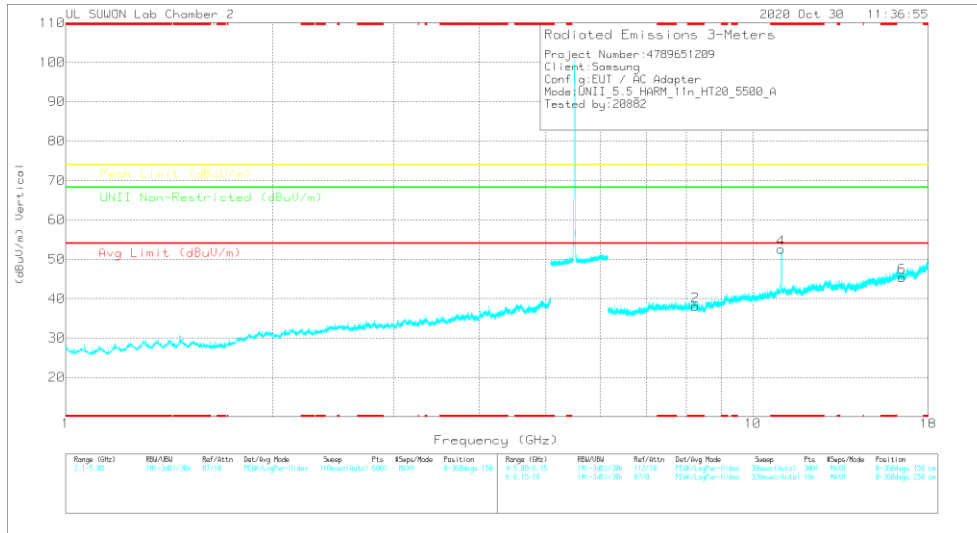
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



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

**LOW CHANNEL DATA**

**Radiated Emissions**

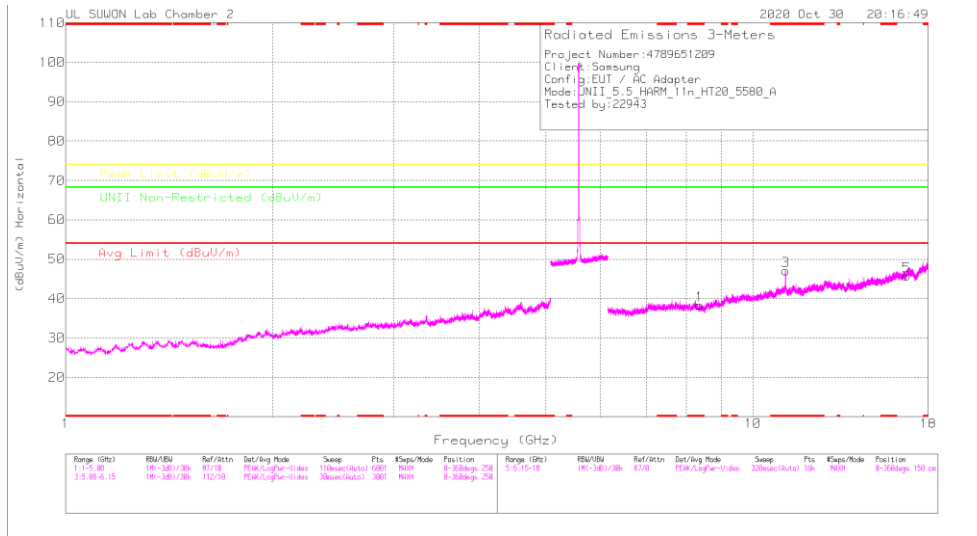
Frequency (GHz)	Max Reading (dBuV)	Det	2117_00160724	@GHz_HF@	OC Cor (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
* 8.25204	35.52	PK-U	35.9	-22.2	0	49.22	-	-	74	-24.78	-	-	0	100	H
* 8.24612	35.39	PK-U	35.9	-22.2	0	49.09	-	-	74	-24.91	-	-	0	100	V
* 11.0012	46.06	PK-U	38.2	-19.7	0	64.58	-	-	74	-9.42	-	-	168	101	V
* 11.0022	32.23	ADR	38.2	-19.7	0	50.73	54	-3.27	-	-	-	-	168	101	V
16.50151	34.5	PK-U	40.8	-19.4	0	55.9	-	-	-	-	68.2	-12.3	0	100	H
16.50266	34.79	PK-U	40.8	-19.3	0	56.29	-	-	-	-	68.2	-11.91	0	100	V

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

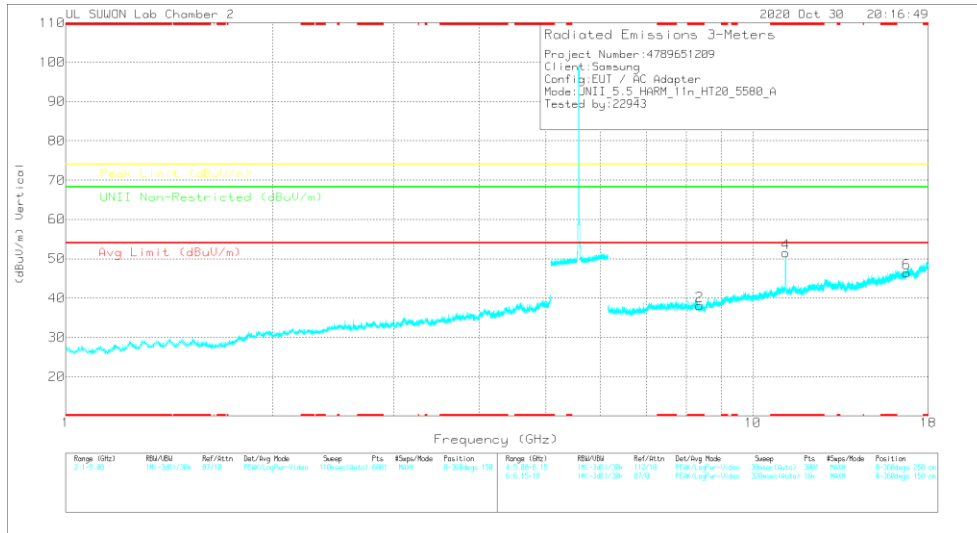
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

**Radiated Emissions**

Frequency (GHz)	Max Reading (dBuV)	Det	2117_20160724	@GHz_HF@dB	OC Corr (dB)	Concord Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Meters)	Height (cm)	Polarity
* 8.37072	35.22	PK-U	36	-22.8	0	48.42	-	-	74	-25.58	-	-	0	100	H
* 8.36814	35.23	PK-U	36	-22.8	0	49.43	-	-	74	-24.57	-	-	0	100	V
* 11.15288	44	PK-U	38.3	-19	0	53.3	-	-	74	-10.7	-	-	161	101	V
* 11.16022	30.35	ADR	38.3	-19	0	49.65	54	-4.35	-	-	-	-	161	101	V
16.74012	34.71	PK-U	41.1	-18.8	0	57.01	-	-	-	-	68.2	-11.19	0	100	H
16.74037	34.54	PK-U	41.1	-18.8	0	56.84	-	-	-	-	68.2	-11.36	0	100	V

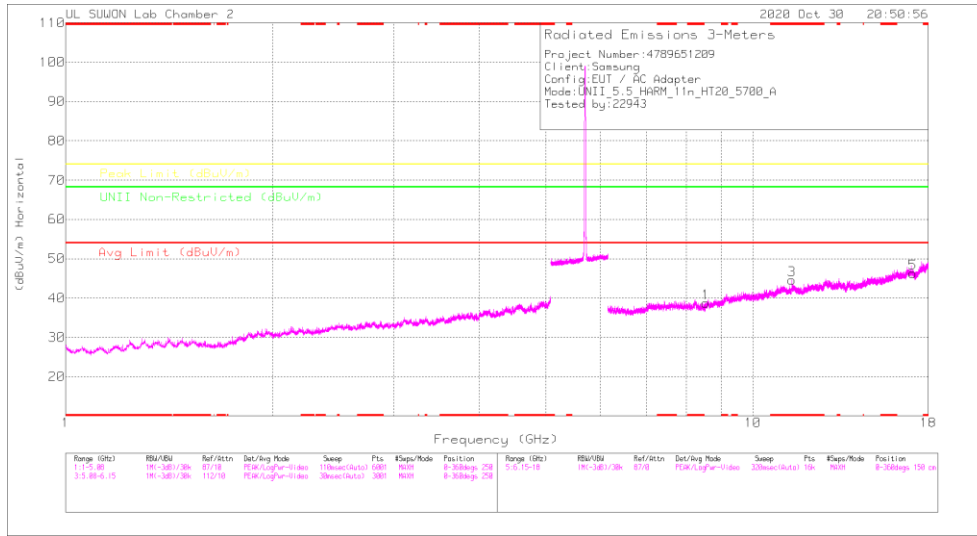
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

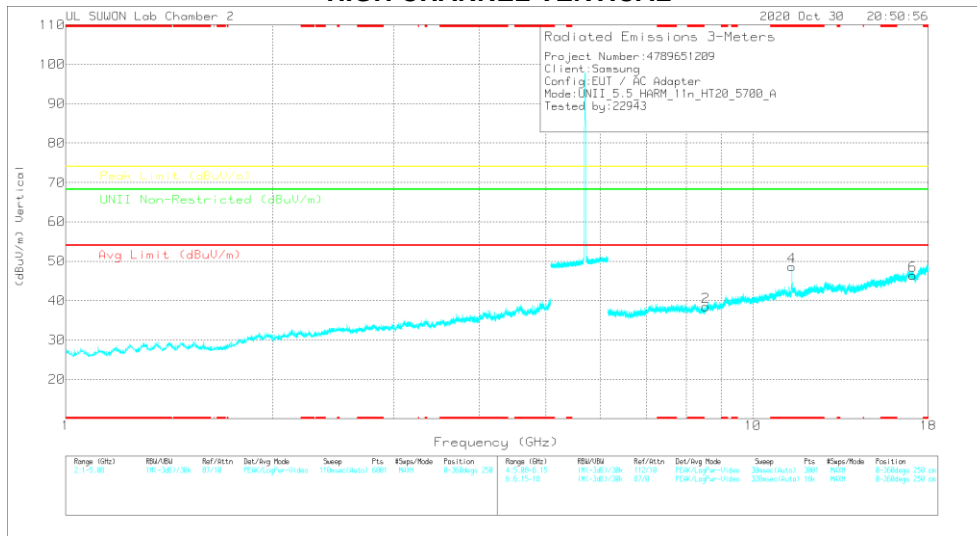
ADR - U-NII AD primary method, RMS average



### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



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

### HIGH CHANNEL DATA

#### Radiated Emissions

Frequency (GHz)	Meas Reading (dBuV)	Det	317_00168724	6GHz_HPSDR	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (m)	Polarity
8.55006	34.79	PK-U	36.1	-21.5	0	49.39	-	-	-	-	68.2	-18.81	0	100	H
8.54807	35.32	PK-U	36	-21.7	0	49.62	-	-	-	-	68.2	-18.58	0	100	V
* 11.40128	37.9	PK-U	38.3	-19.5	0	56.7	-	-	74	-17.3	-	-	147	221	H
* 11.40038	25.61	ADR	38.3	-19.4	0	44.51	54	-9.49	-	-	-	-	147	221	H
* 11.39292	41.65	PK-U	38.3	-19.4	0	60.55	-	-	74	-13.45	-	-	160	111	V
* 11.40064	28.73	ADR	38.3	-19.4	0	47.63	54	-6.37	-	-	-	-	160	111	V
17.10016	35.01	PK-U	41	-18.2	0	57.81	-	-	-	-	68.2	-10.39	0	100	H
17.10148	35.24	PK-U	41	-18.2	0	58.04	-	-	-	-	68.2	-10.16	0	100	V

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

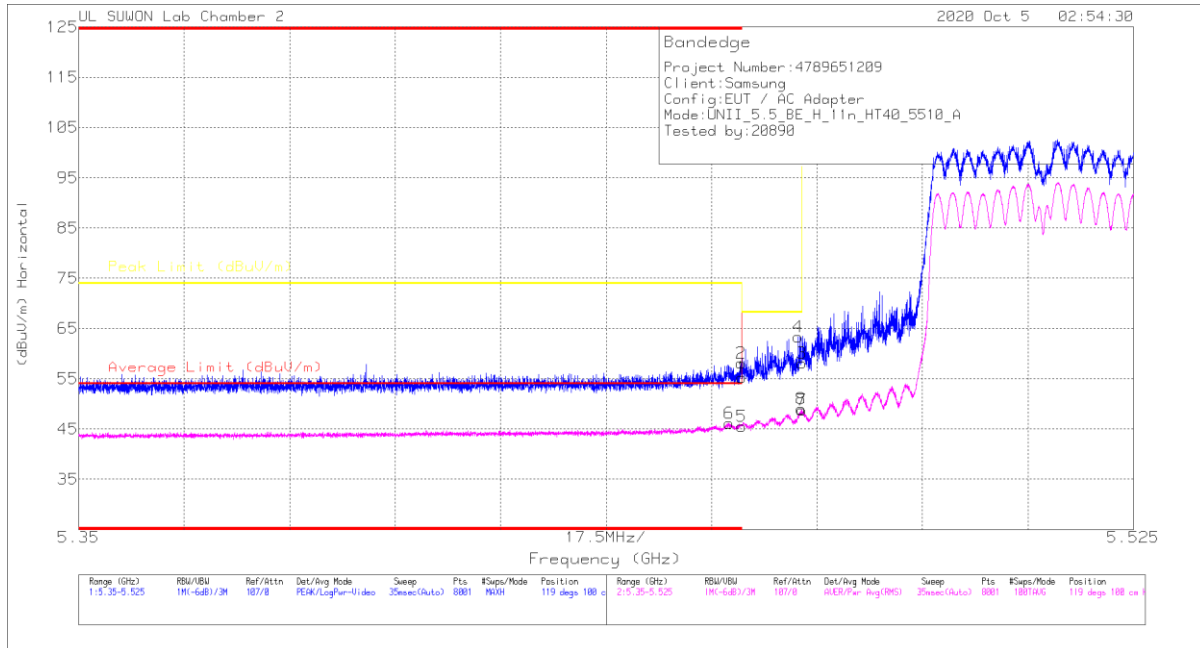
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 11.3.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.5GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

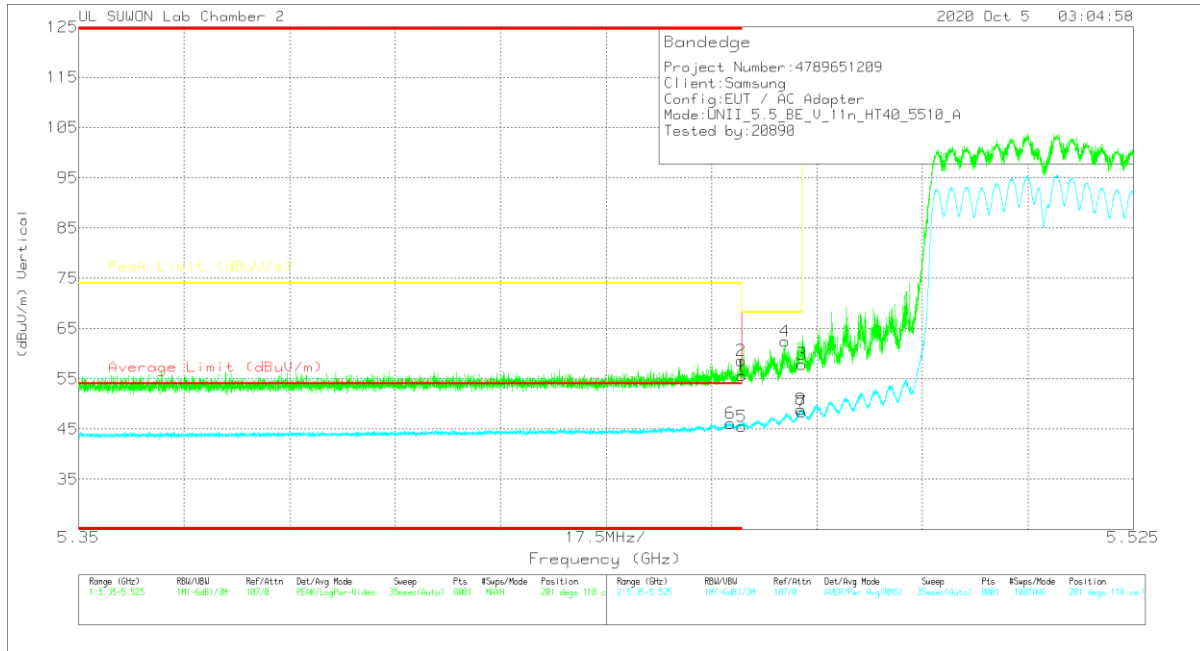
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	38.74	Pk	34.6	-18.1	0	55.24	-	-	74	-18.76	119	100	H
2	* 5.45988	41.64	Pk	34.6	-18.1	0	58.14	-	-	74	-15.86	119	100	H
3	5.46998	41.59	Pk	34.6	-18.1	0	58.09	-	-	68.2	-10.11	119	100	H
4	5.46937	46.86	Pk	34.6	-18.1	0	63.36	-	-	68.2	-4.84	119	100	H
5	* 5.45999	29.07	RMS	34.6	-18.1	0	45.57	54	-8.43	-	-	119	100	H
6	* 5.45789	29.68	RMS	34.6	-18.1	0	46.18	54	-7.82	-	-	119	100	H
7	5.46998	32.26	RMS	34.6	-18.1	0	48.76	-	-	-	-	119	100	H
8	5.4699	32.46	RMS	34.6	-18.1	0	48.96	-	-	-	-	119	100	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45999	39.08	Pk	34.6	-18.1	0	55.58	-	-	74	-18.42	201	118	V
2	* 5.45988	42.14	Pk	34.6	-18.1	0	58.64	-	-	74	-15.36	201	118	V
3	5.46998	41.42	Pk	34.6	-18.1	0	57.92	-	-	68.2	-10.28	201	118	V
4	5.46714	45.98	Pk	34.6	-18.1	0	62.48	-	-	68.2	-5.72	201	118	V
5	* 5.45999	29	RMS	34.6	-18.1	0	45.5	54	-8.5	-	-	201	118	V
6	* 5.45813	29.69	RMS	34.6	-18.1	0	46.19	54	-7.81	-	-	201	118	V
7	5.46998	31.86	RMS	34.6	-18.1	0	48.36	-	-	-	-	201	118	V
8	5.46983	32.39	RMS	34.6	-18.1	0	48.89	-	-	-	-	201	118	V

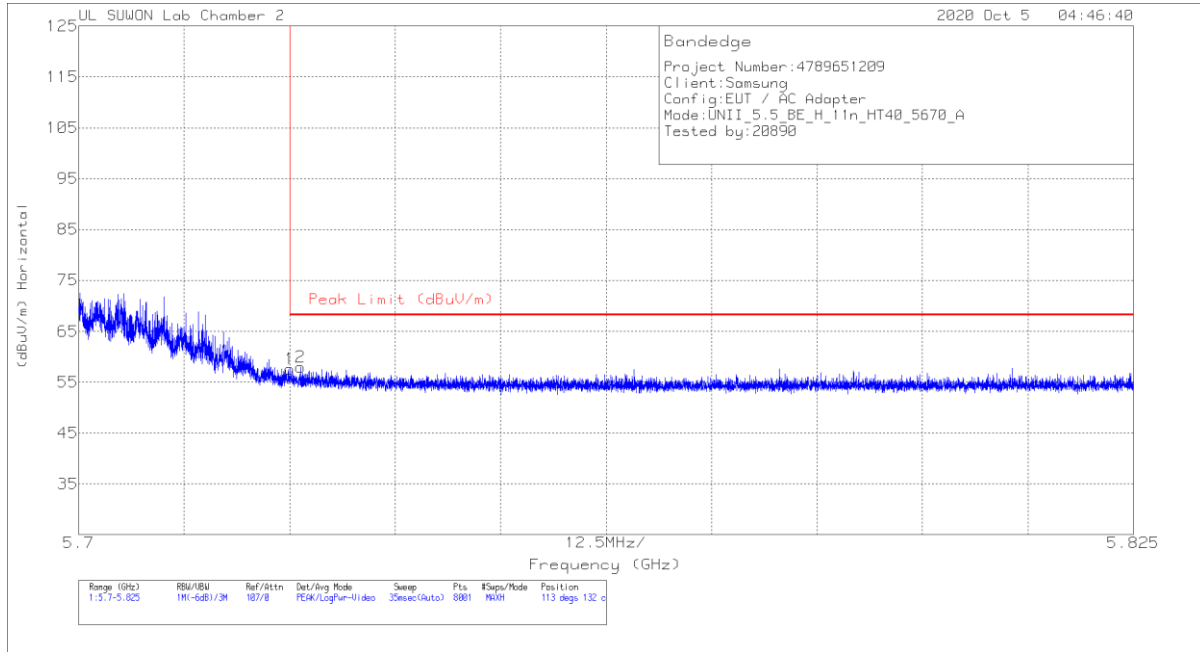
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE DATA**

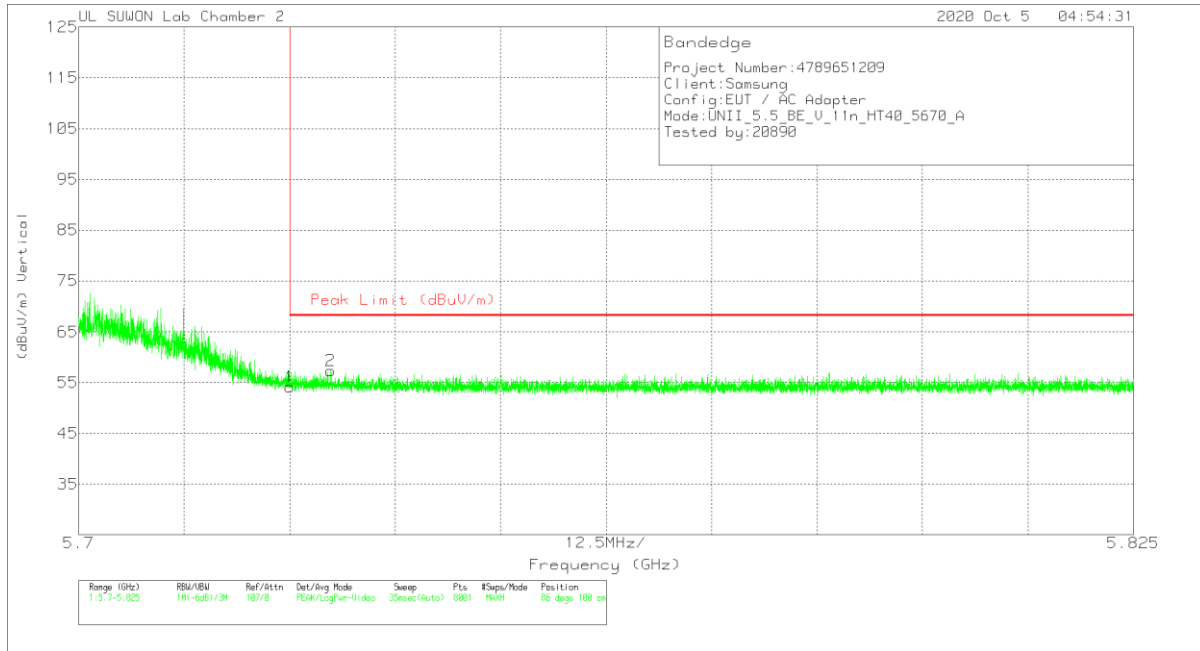


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	40.36	Pk	34.7	-17.5	0	57.56	68.2	-10.64	113	132	H
2	5.72625	40.89	Pk	34.7	-17.6	0	57.99	68.2	-10.21	113	132	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



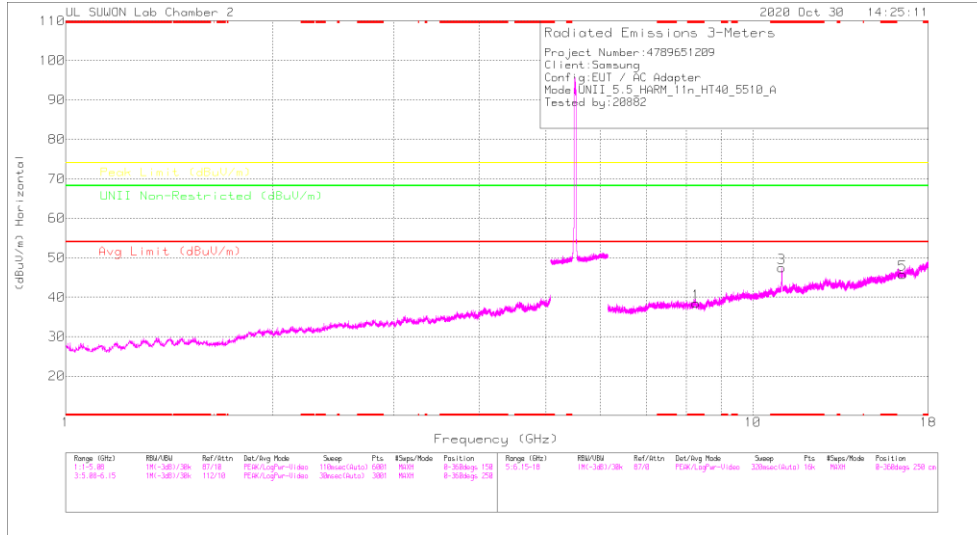
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	36.92	Pk	34.7	-17.5	0	54.12	68.2	-14.08	86	100	V
2	5.72988	40.22	Pk	34.7	-17.6	0	57.32	68.2	-10.88	86	100	V

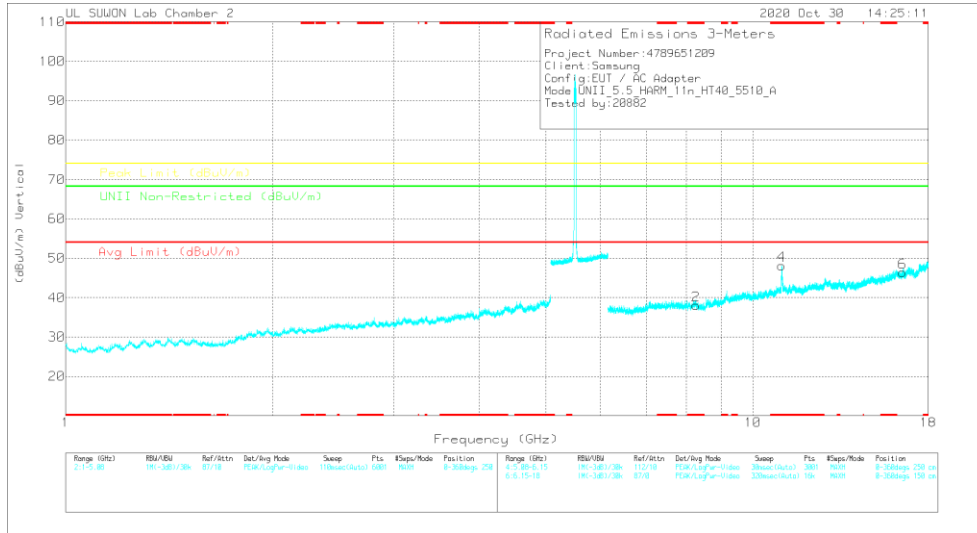
Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL HORIZONTAL**



**LOW CHANNEL VERTICAL**



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

**LOW CHANNEL DATA**

**Radiated Emissions**

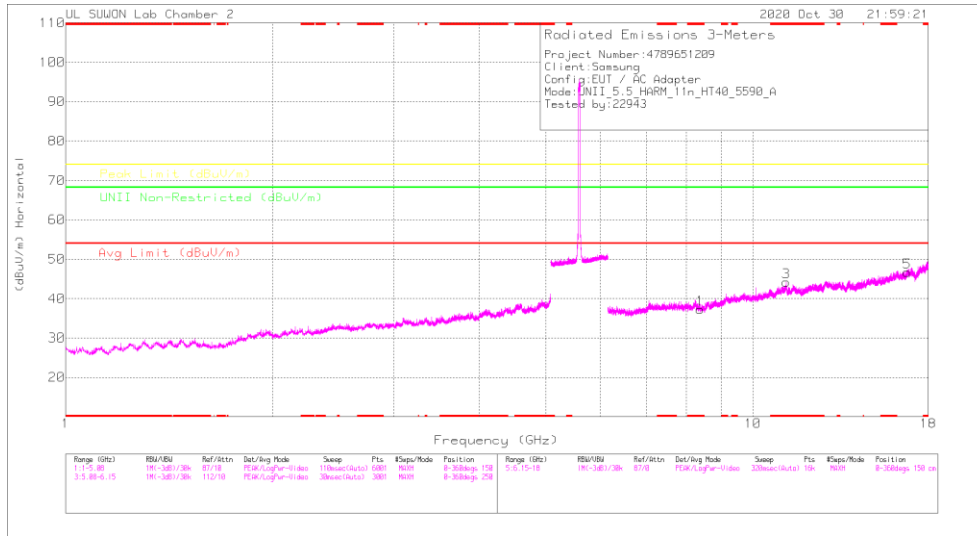
Frequency (GHz)	Meas Reading (dBuV)	Det	317_06168724	6GHz_HPI[S]	DC Corr (dB)	Corrected Reading (dBuV)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
* 8.26508	35.30	PK-U	35.9	-22.3	0	48.59	-	-	74	-25.01	-	-	360	100	H
* 8.26692	35.73	PK-U	35.9	-22.3	0	49.33	-	-	74	-24.67	-	-	360	100	V
* 11.01977	40.04	PK-U	38.2	-19.9	0	58.34	-	-	74	-15.66	-	-	103	111	H
* 11.01907	26.93	ADR	38.2	-19.9	0	45.23	54	-8.77	-	-	-	-	103	111	H
* 11.02633	43.84	PK-U	38.2	-19.9	0	62.14	-	-	74	-11.86	-	-	167	100	V
* 11.01983	30.34	ADR	38.2	-19.9	0	48.64	54	-5.36	-	-	-	-	167	100	V
16.52919	34.34	PK-U	40.9	-19.3	0	55.34	-	-	-	-	68.2	-12.26	0	100	H
16.52983	35.04	PK-U	40.9	-19.3	0	56.64	-	-	-	-	68.2	-11.56	0	100	V

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

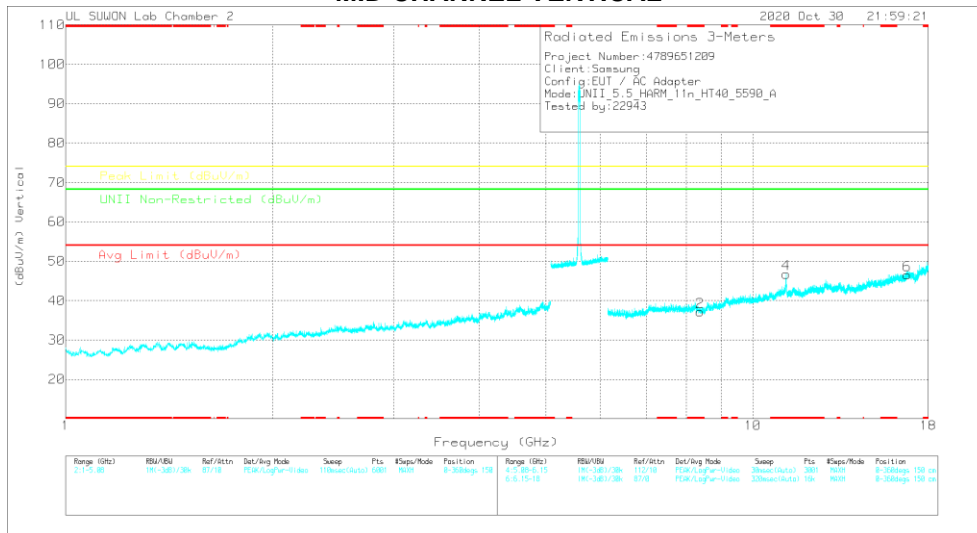
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**MID CHANNEL HORIZONTAL**



**MID CHANNEL VERTICAL**



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

**MID CHANNEL DATA**

**Radiated Emissions**

Frequency (GHz)	Max Reading (dBuV)	Det	317_00169724	6GHz_HPSSE	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 8.38326	35.31	PK-U	36	-23	0	48.31	-	-	74	-25.69	-	-	0	100	H
* 8.38863	35.39	PK-U	36	-23	0	49.39	-	-	74	-25.61	-	-	0	100	V
* 11.17735	41.56	PK-U	38.3	-19	0	60.86	-	-	74	-13.14	-	-	162	102	V
* 11.18036	28.22	ADR	38.3	-19.1	0	47.42	54	-6.58	-	-	-	-	162	102	V
* 11.17448	37.11	PK-U	38.3	-19.1	0	56.31	-	-	74	-17.69	-	-	106	115	H
* 11.17968	24.54	ADR	38.3	-19.1	0	43.74	54	-10.26	-	-	-	-	106	115	H
16.76902	34.91	PK-U	41.2	-18.5	0	57.61	-	-	-	-	68.2	-10.59	0	100	H
16.7689	34.79	PK-U	41.2	-18.5	0	57.49	-	-	-	-	68.2	-10.71	0	100	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