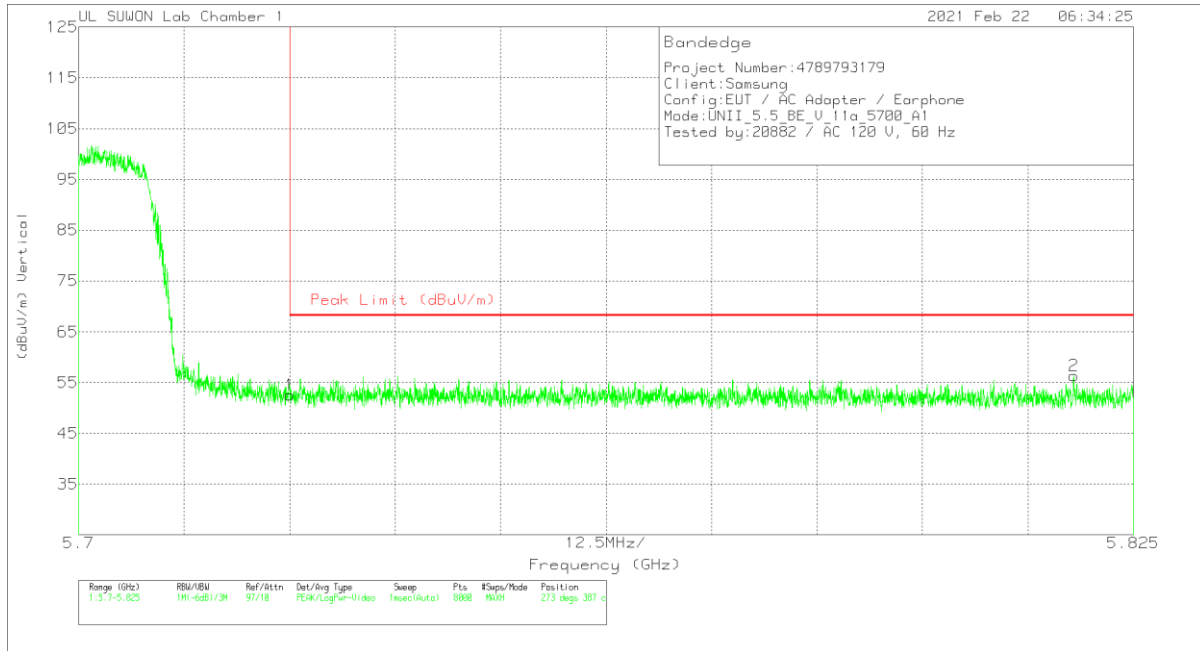


**VERTICAL PEAK AND AVERAGE DATA**



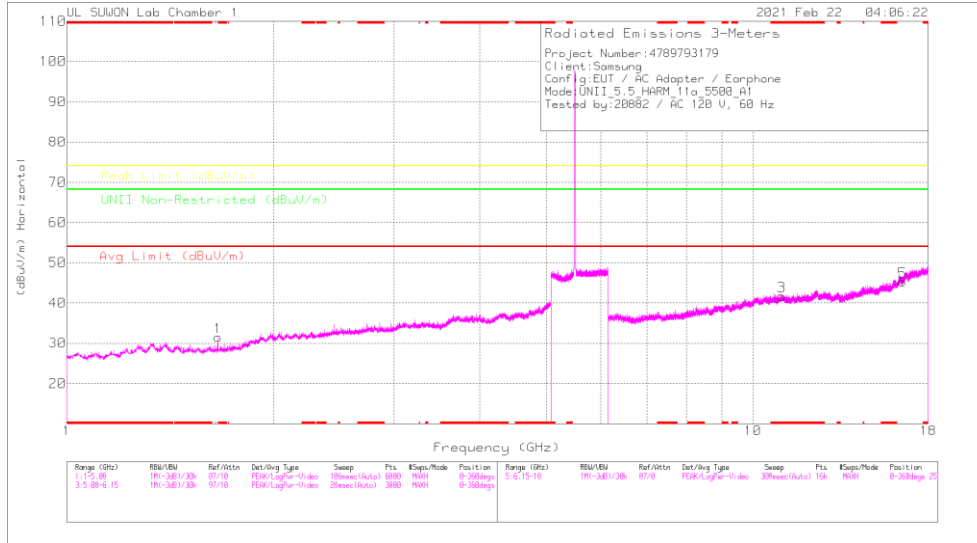
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.52	Pk	34.9	-20.9	0	52.52	68.2	-15.68	273	387	V
2	5.81792	42.32	Pk	35	-21	0	56.32	68.2	-11.88	273	387	V

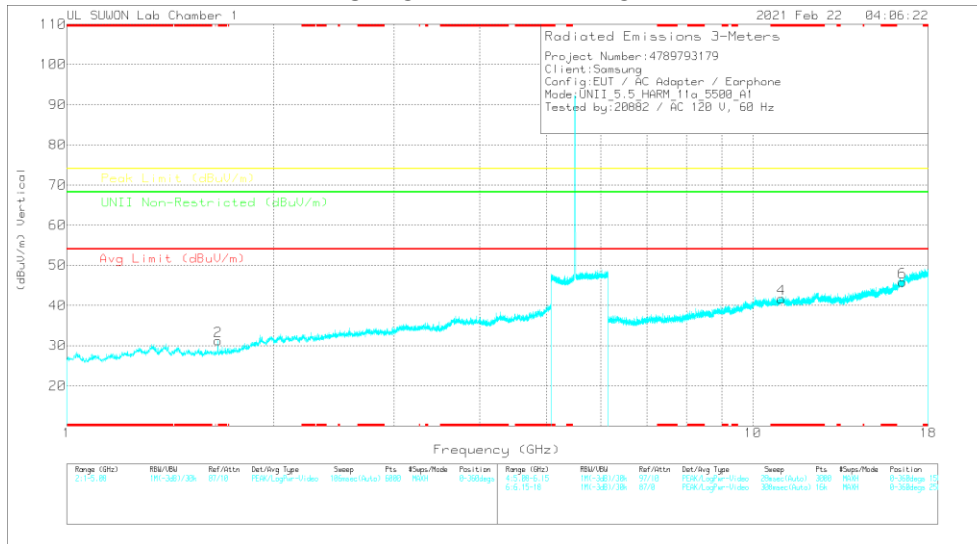
Pk - Peak detector

**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**

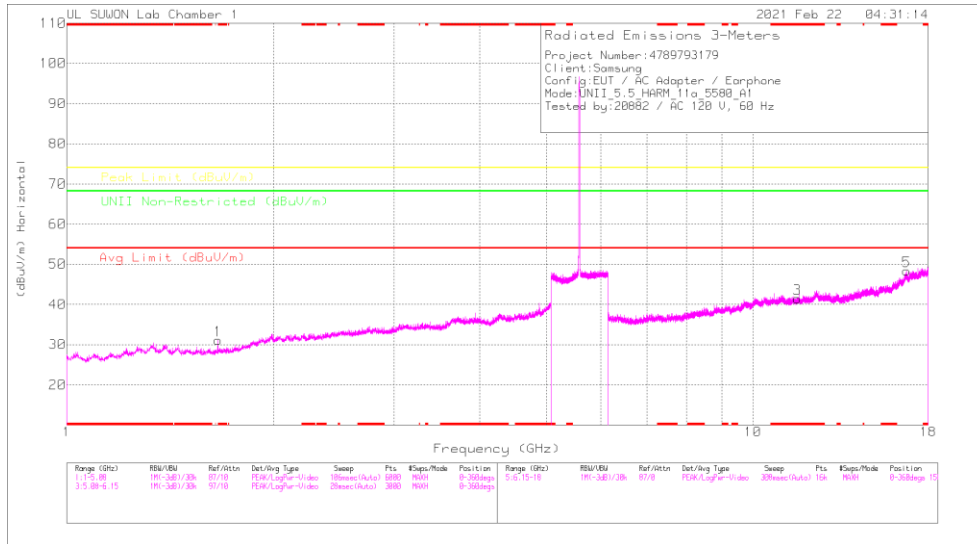
**Radiated Emissions**

Frequency (GHz)	Meas Reading (dBuV)	Det	317_00168717	5GHz_LF50E	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
1.65992	46.1	PK-U	28.4	-35.8	0	38.7	-	-	-	-	68.2	-29.5	360	100	H
1.65947	45.8	PK-U	28.4	-35.7	0	38.5	-	-	-	-	68.2	-29.7	360	100	V

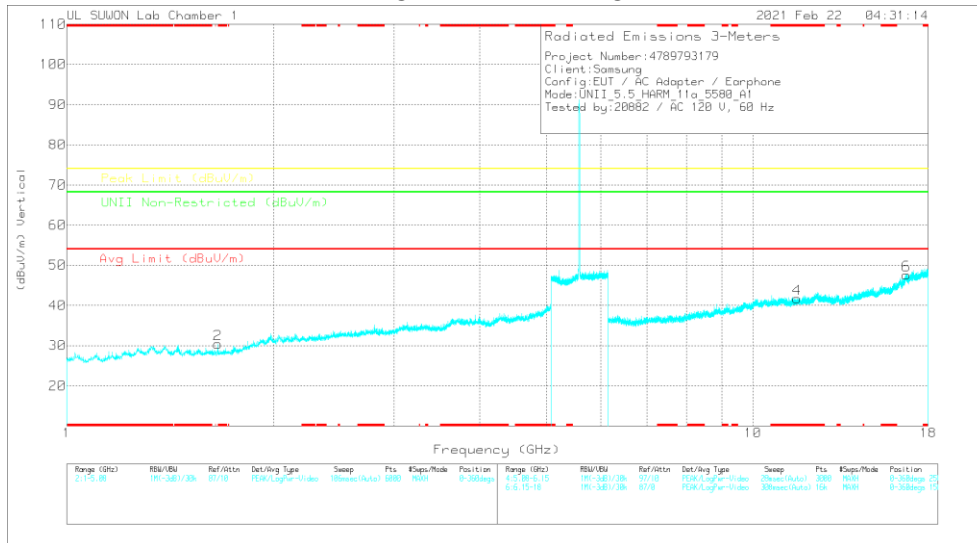
Frequency (GHz)	Meas Reading (dBuV)	Det	317_00168717	6GHz_HF50E	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.00533	34.94	PK-U	38.2	-21.7	0	51.34	-	-	74	-22.68	-	-	360	100	H
* 11.00896	34.62	PK-U	38.2	-21.7	0	51.12	-	-	74	-22.98	-	-	360	100	V
16.50288	33.36	PK-U	41.1	-19.6	0	54.86	-	-	-	-	68.2	-13.34	360	100	H
16.50363	34.11	PK-U	41.1	-19.6	0	55.61	-	-	-	-	68.2	-12.59	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**

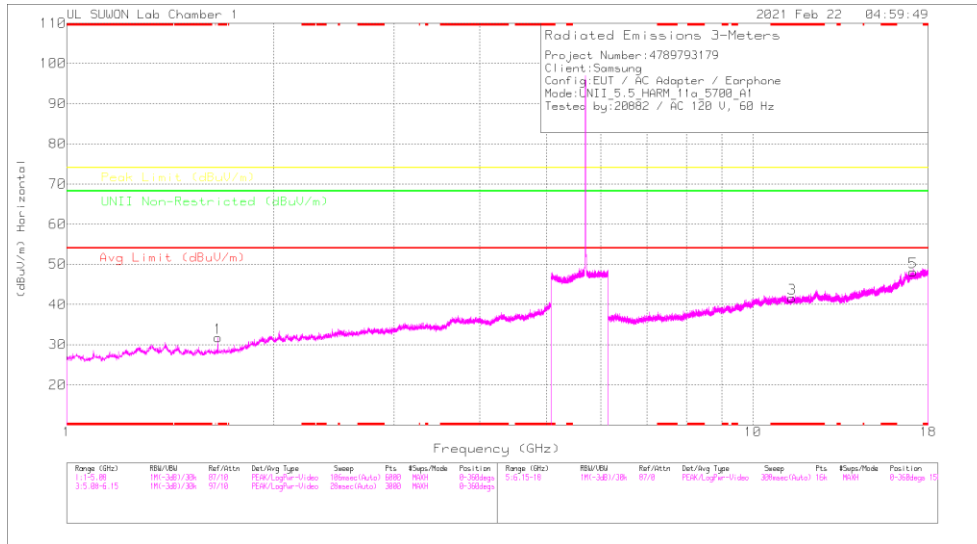
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	5GHz_LPF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.65927	43.94	PK-U	28.4	-35.7	0	38.54	-	-	-	-	68.2	-23.66	360	100	H
1.65885	46.72	PK-U	28.4	-35.7	0	39.42	-	-	-	-	68.2	-28.76	360	100	V

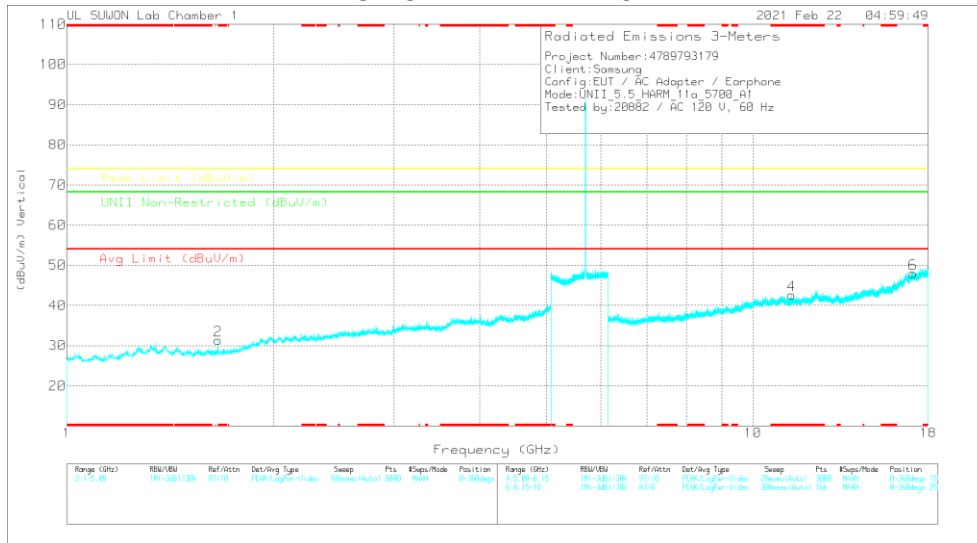
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.60596	35.11	PK-U	38.3	-22	0	51.41	-	-	74	-22.59	-	-	360	100	H
* 11.60522	34.64	PK-U	38.3	-22	0	50.94	-	-	74	-23.06	-	-	360	100	V
16.73263	33.99	PK-U	41.5	-17.8	0	57.69	-	-	-	-	68.2	-10.51	360	100	H
16.73377	32.84	PK-U	41.5	-17.8	0	56.54	-	-	-	-	68.2	-11.66	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

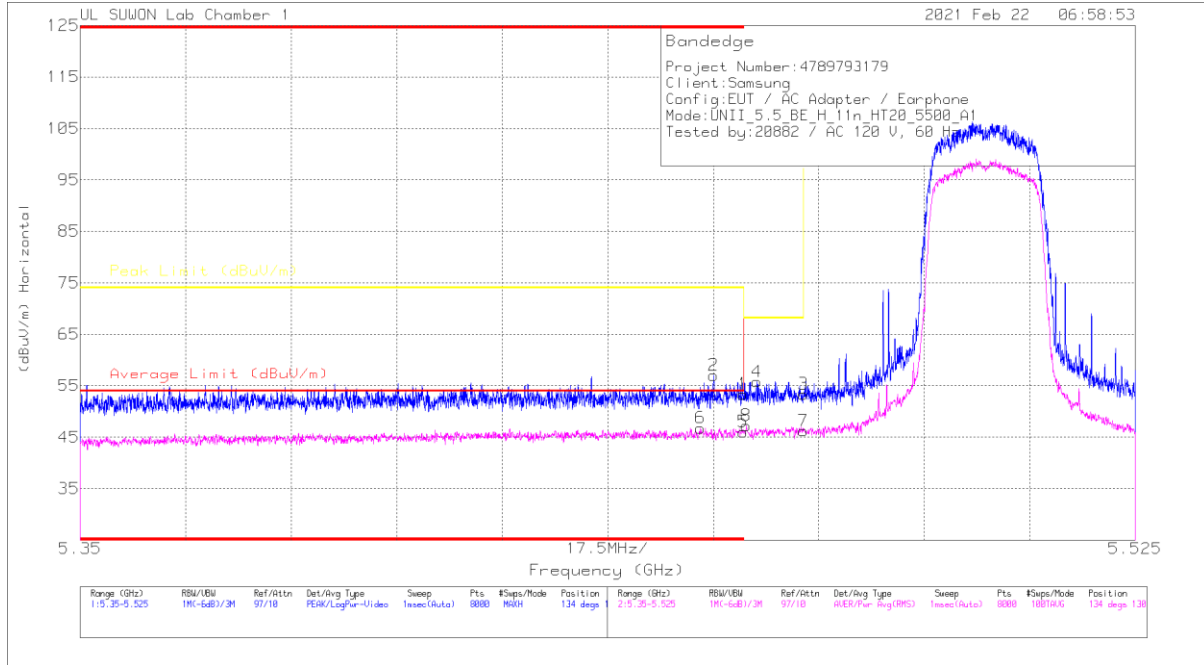
Frequency (GHz)	Max. Reading (dBuV)	Det	317_00168717	6GHz_HPS[B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.65898	46.35	PK-U	28.4	-35.7	0	39.05	-	-	-	-	68.2	-29.15	360	100	H
1.65998	46.72	PK-U	28.4	-35.8	0	39.32	-	-	-	-	68.2	-28.88	360	100	V
Frequency (GHz)	Max. Reading (dBuV)	Det	317_00168717	6GHz_HPS[B]	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
* 11.39526	34.55	PK-U	38.4	-22.2	0	50.75	-	-	74	-23.25	-	-	360	100	H
* 11.39678	34.43	PK-U	38.4	-22.1	0	50.73	-	-	74	-23.27	-	-	360	100	V
* 17.1053	33.13	PK-U	41.5	-17.6	0	57.03	-	-	-	-	68.2	-11.17	360	100	H
17.10427	33.66	PK-U	41.5	-17.5	0	57.66	-	-	-	-	68.2	-10.54	360	100	V

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

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

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

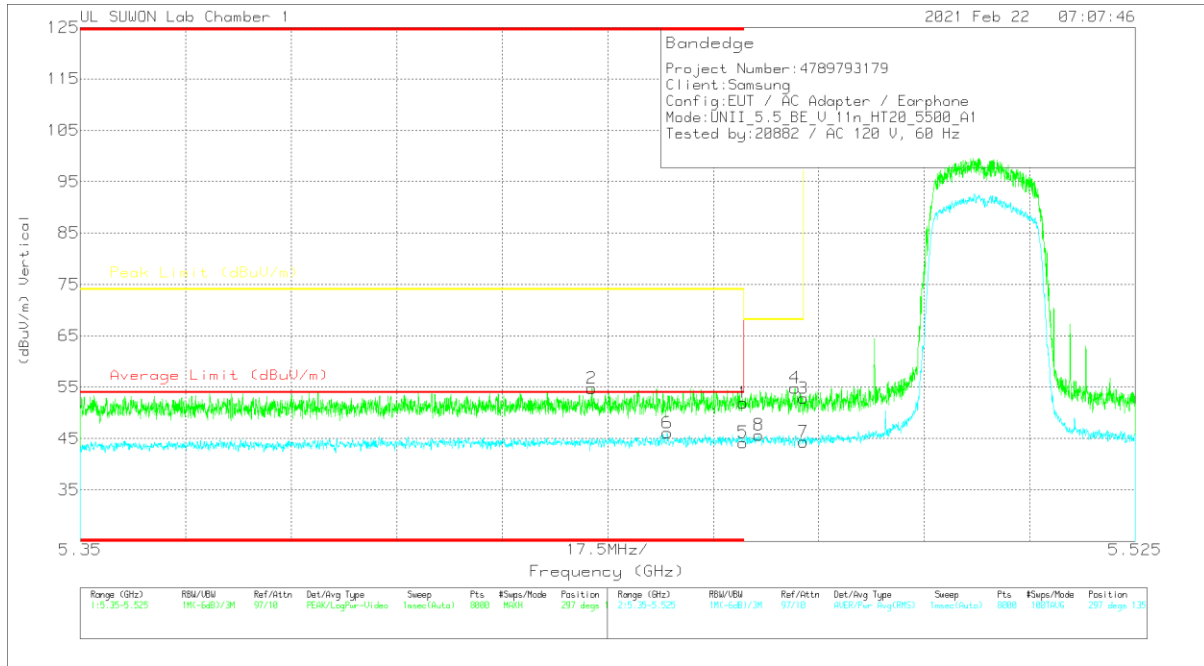
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	40.19	Pk	34.5	-21.3	0	53.39	-	-	74	-20.61	134	130	H
2	* 5.45506	44.03	Pk	34.5	-21.5	0	57.03	-	-	74	-16.97	134	130	H
3	5.46998	40.18	Pk	34.5	-21.3	0	53.38	-	-	68.2	-14.82	134	130	H
4	5.46228	42.68	Pk	34.5	-21.4	0	55.78	-	-	68.2	-12.42	134	130	H
5	* 5.45998	32.84	RMS	34.5	-21.3	0	46.04	54	-7.96	-	-	134	130	H
6	* 5.45287	33.7	RMS	34.5	-21.4	0	46.8	54	-7.2	-	-	134	130	H
7	5.46998	33.03	RMS	34.5	-21.3	0	46.23	-	-	-	-	134	130	H
8	5.46046	34.14	RMS	34.5	-21.4	0	47.24	-	-	-	-	134	130	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_00168717	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	* 5.45998	38.75	Pk	34.5	-21.3	0	51.95	-	-	74	-22.05	297	135	V
2	* 5.43486	41.66	Pk	34.5	-21.4	0	54.76	-	-	74	-19.24	297	135	V
3	5.46998	39.65	Pk	34.5	-21.3	0	52.85	-	-	68.2	-15.35	297	135	V
4	5.46856	41.65	Pk	34.5	-21.3	0	54.85	-	-	68.2	-13.35	297	135	V
5	* 5.45998	31.02	RMS	34.5	-21.3	0	44.22	54	-9.78	-	-	297	135	V
6	* 5.44738	33.12	RMS	34.5	-21.5	0	46.12	54	-7.88	-	-	297	135	V
7	5.46998	31.18	RMS	34.5	-21.3	0	44.38	-	-	-	-	297	135	V
8	5.46256	32.57	RMS	34.5	-21.4	0	45.67	-	-	-	-	297	135	V

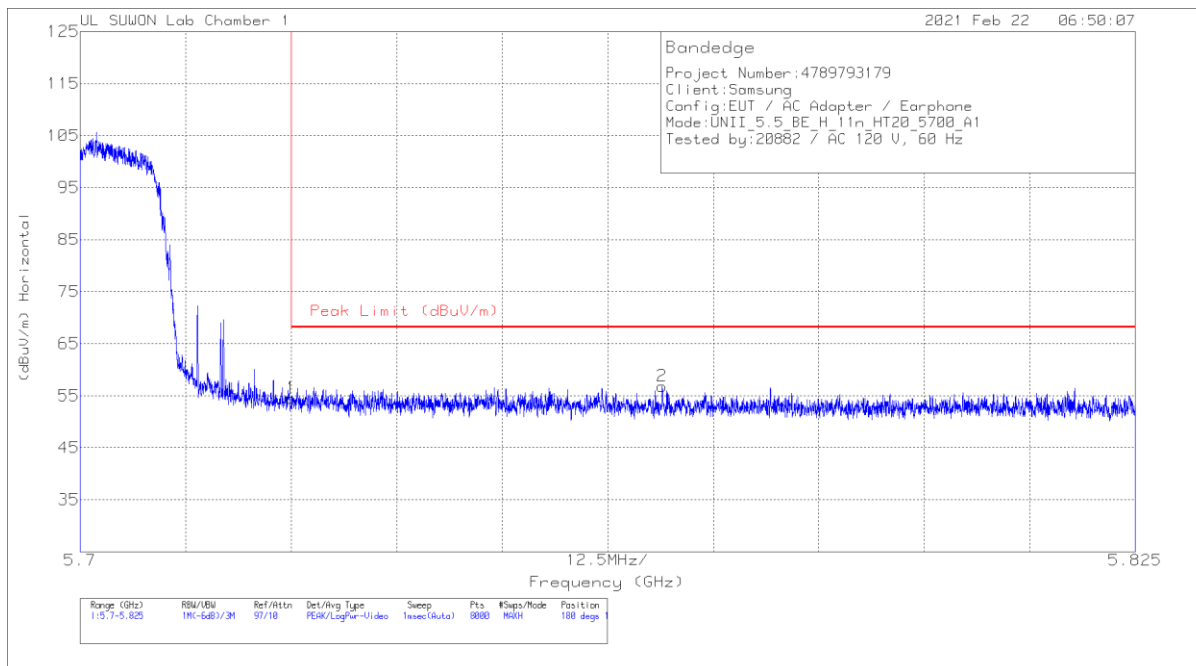
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK DATA**

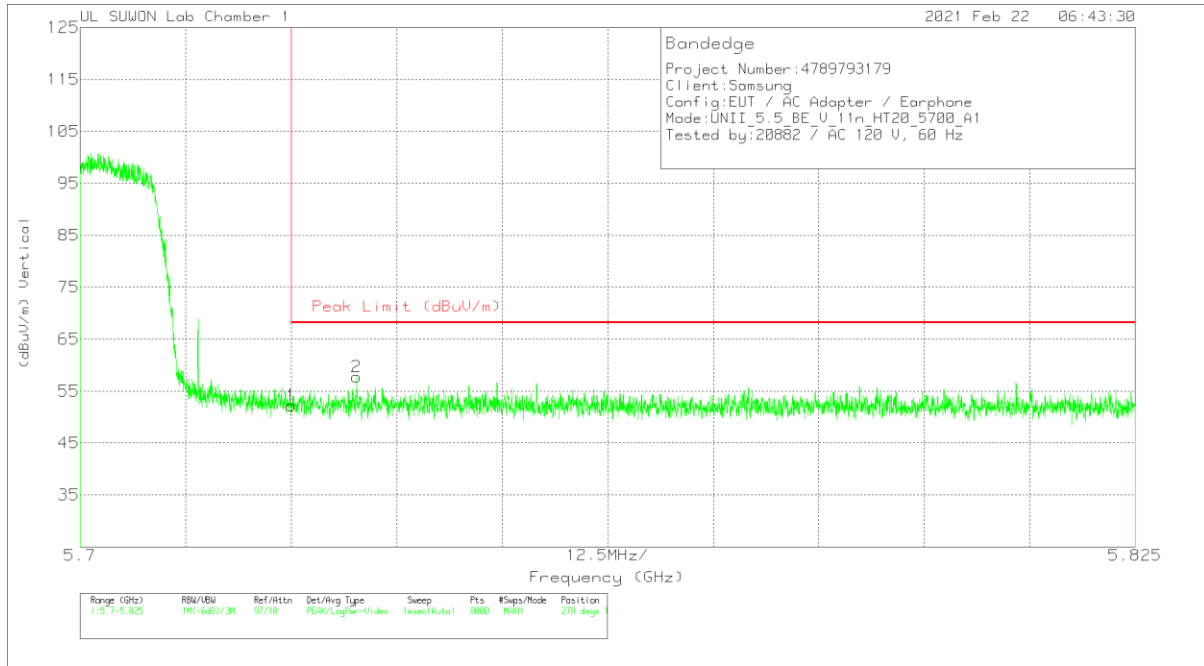


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.52	Pk	34.9	-20.9	0	54.52	68.2	-13.68	180	100	H
2	5.76895	42.83	Pk	35	-21	0	56.83	68.2	-11.37	180	100	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



**Trace Markers**

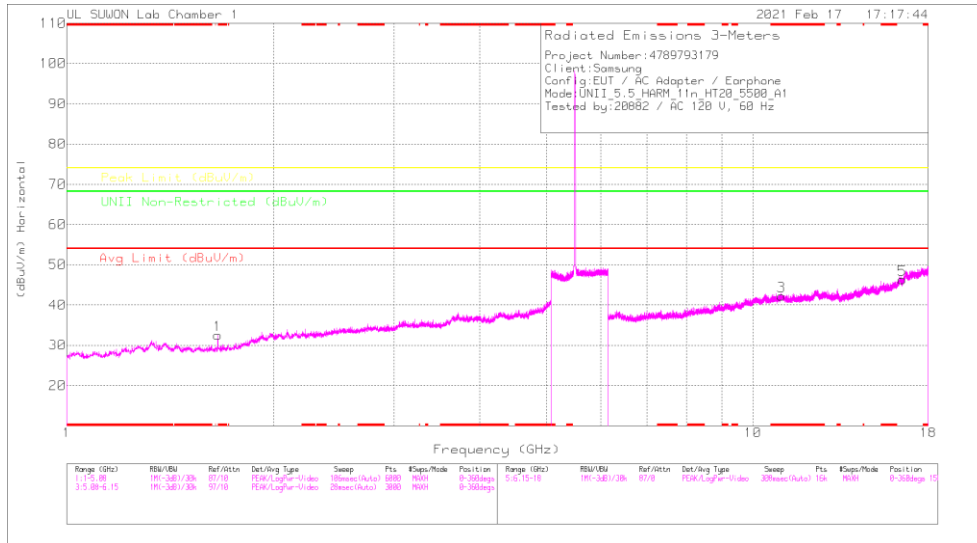
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.19	Pk	34.9	-20.9	0	52.19	68.2	-16.01	278	113	V
2	5.73274	43.84	Pk	34.9	-21	0	57.74	68.2	-10.46	278	113	V

Pk - Peak detector

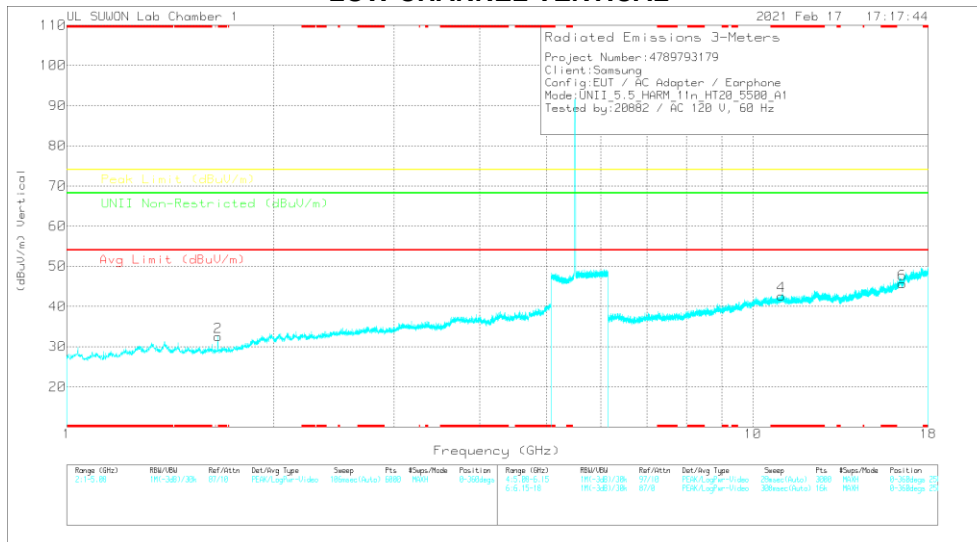


**HARMONICS AND SPURIOUS EMISSIONS**

**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.

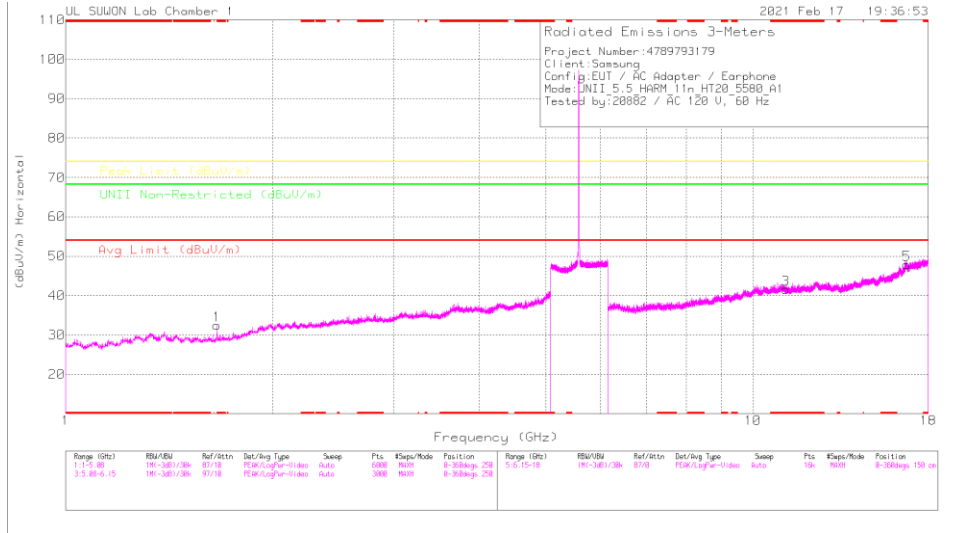
**LOW CHANNEL DATA**

**Radiated Emissions**

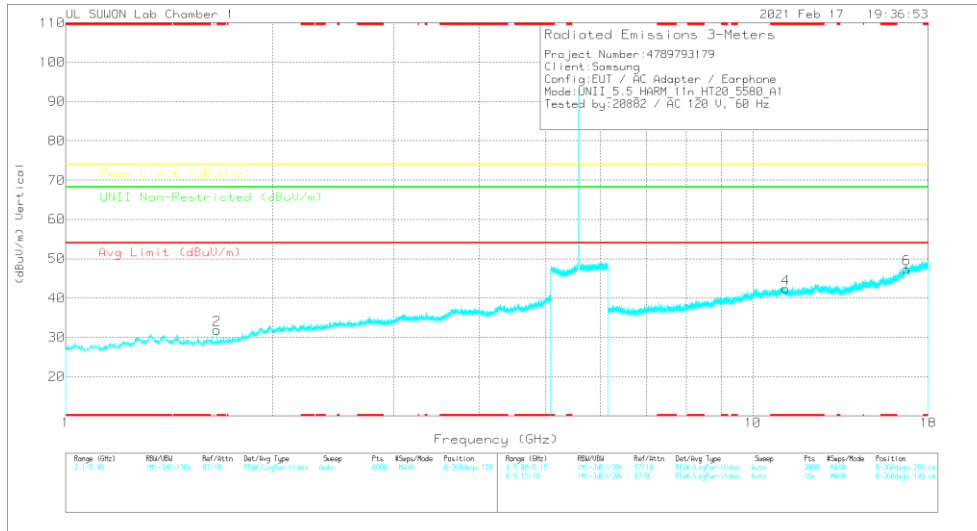
Frequency (GHz)	Mask Reading (dBuV)	Det	317_00168717	6GHz_HPS[B]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.65992	47.35	PK-U	28.4	-35.8	0	39.95	-	-	-	-	68.2	-28.25	360	100	H
1.65996	47.1	PK-U	28.4	-35.8	0	39.7	-	-	-	-	68.2	-28.5	360	100	V
* 11.00109	34.84	PK-U	38.2	-21.7	0	51.34	-	-	74	-22.66	-	-	360	100	H
* 11.00148	34.83	PK-U	38.2	-21.8	0	51.23	-	-	74	-22.77	-	-	360	100	V
16.4992	34.17	PK-U	41.1	-19.7	0	55.57	-	-	-	-	68.2	-12.63	360	100	H
16.49819	34.23	PK-U	41.1	-19.6	0	55.73	-	-	-	-	68.2	-12.47	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

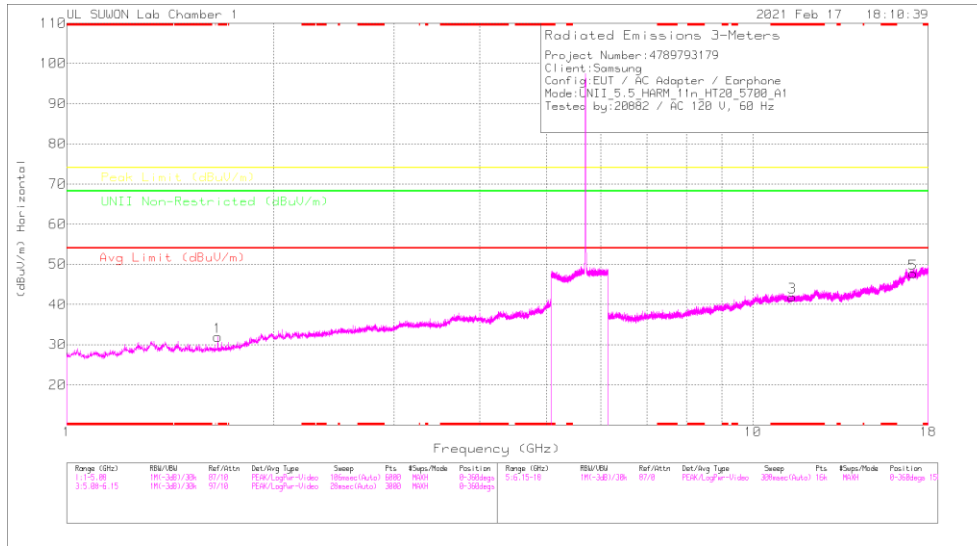
Frequency (GHz)	Meter Reading (dBuV)	Det	317_00168717	6GHz_HPS(S)	DC Cor (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restrictd (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1.65912	47.81	PK-U	28.4	-35.7	0	40.51	-	-	-	-	68.2	-27.69	360	100	H
1.65954	46.56	PK-U	28.4	-35.7	0	39.26	-	-	-	-	68.2	-28.94	360	100	V

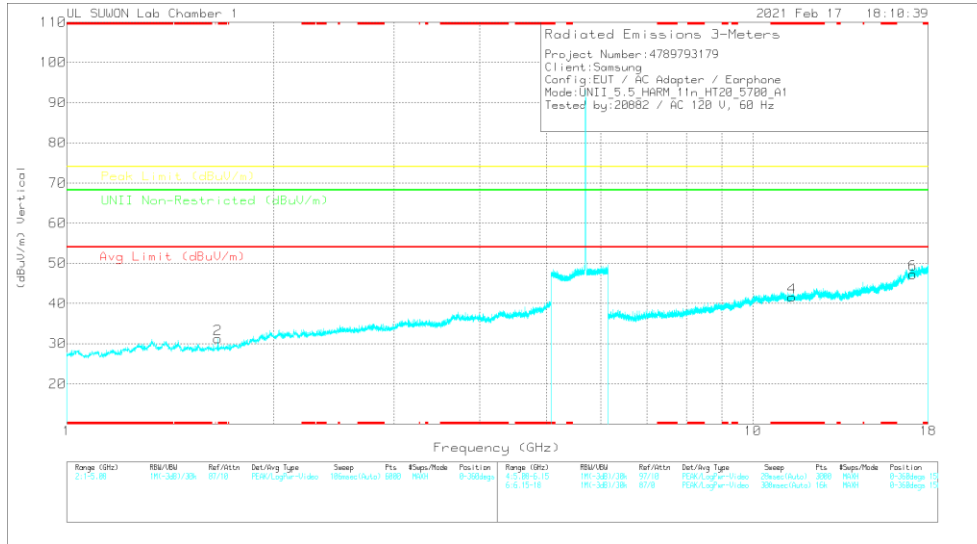
Frequency (GHz)	Meter Reading (dBuV)	Det	317_00168717	6GHz_HPS(S)	DC Cor (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restrictd (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 11.15702	35.86	PK-U	38.4	-22.5	0	51.76	-	74	-22.24	-	-	-	360	100	H
* 11.15815	34.37	PK-U	38.4	-22.5	0	50.27	-	74	-23.73	-	-	-	360	100	V
16.7421	33.53	PK-U	41.5	-18	0	57.03	-	-	-	-	68.2	-11.17	360	100	H
16.7456	33.52	PK-U	41.6	-17.9	0	57.22	-	-	-	-	68.2	-10.98	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)	Mask Reading (dBuV)	Det	317_00168717	5GHz_LFdB	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
1.65999	47.09	PK-U	28.4	-35.8	0	39.69	-	-	-	-	68.2	-28.51	360	100	H
1.65978	47.43	PK-U	28.4	-35.8	0	40.03	-	-	-	-	68.2	-28.17	360	100	V

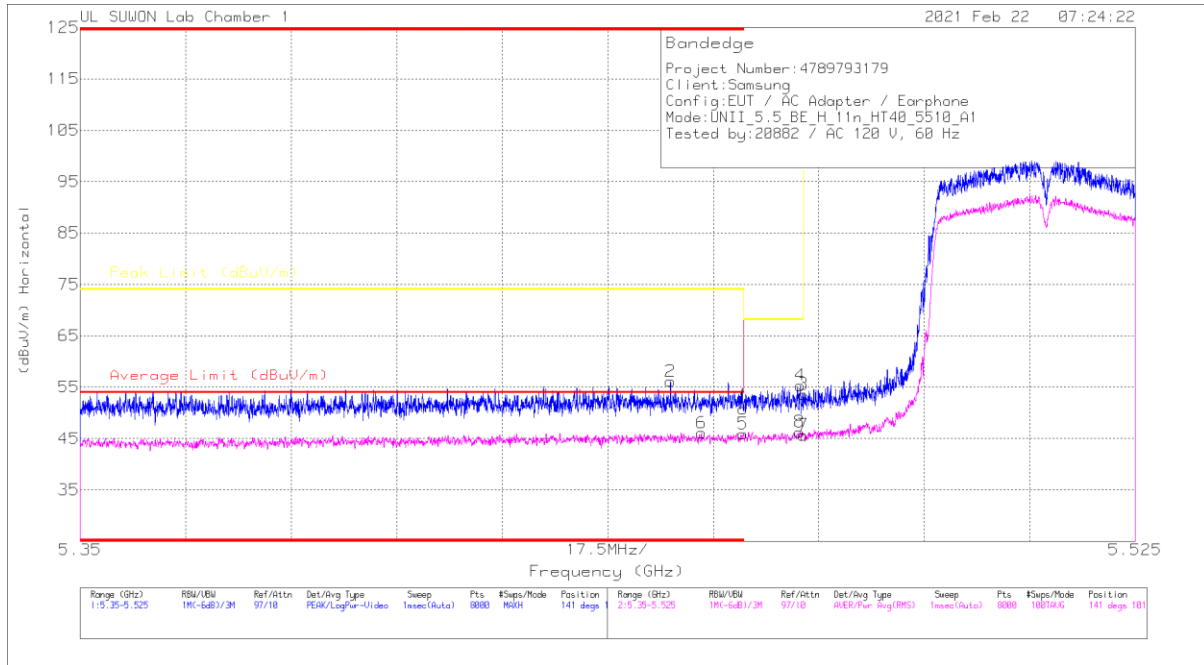
Frequency (GHz)	Mask Reading (dBuV)	Det	317_00168717	5GHz_HPdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
*11.40129	35.41	PK-U	38.4	-22.2	0	51.61	-	-	74	-22.39	-	-	360	100	H
*11.40312	34.85	PK-U	38.4	-22.2	0	51.05	-	-	74	-22.95	-	-	360	100	V
17.10227	33.23	PK-U	41.5	-17.6	0	57.13	-	-	-	-	68.2	-11.07	360	100	H
17.10122	33.37	PK-U	41.5	-17.5	0	57.37	-	-	-	-	68.2	-10.83	360	100	V

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

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

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

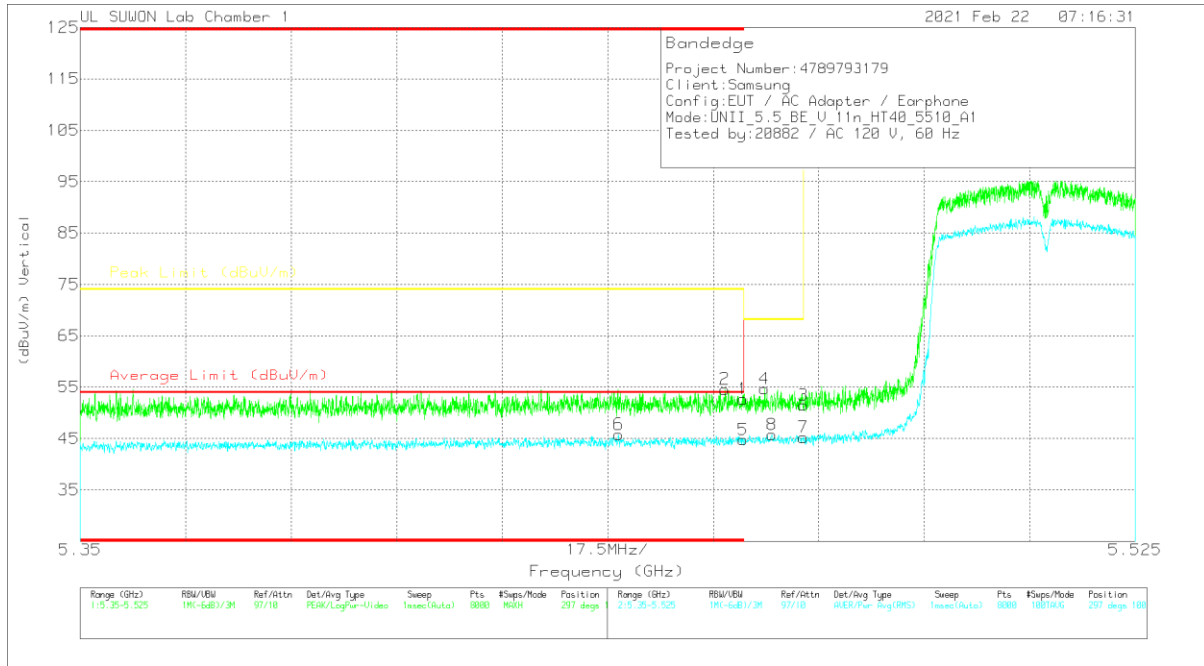
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	37.61	PK	34.5	-21.3	0	50.81	-	-	74	-23.19	141	101	H
2	* 5.4479	43.05	PK	34.5	-21.4	0	56.15	-	-	74	-17.85	141	101	H
3	5.46998	40.41	PK	34.5	-21.3	0	53.61	-	-	68.2	-14.59	141	101	H
4	5.46943	42.26	PK	34.5	-21.4	0	55.36	-	-	68.2	-12.84	141	101	H
5	* 5.45998	32.72	RMS	34.5	-21.3	0	45.92	54	-8.08	-	-	141	101	H
6	* 5.45305	33	RMS	34.5	-21.4	0	46.1	54	-7.9	-	-	141	101	H
7	5.46998	32.48	RMS	34.5	-21.3	0	45.68	-	-	-	-	141	101	H
8	5.46937	33.19	RMS	34.5	-21.4	0	46.29	-	-	-	-	141	101	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



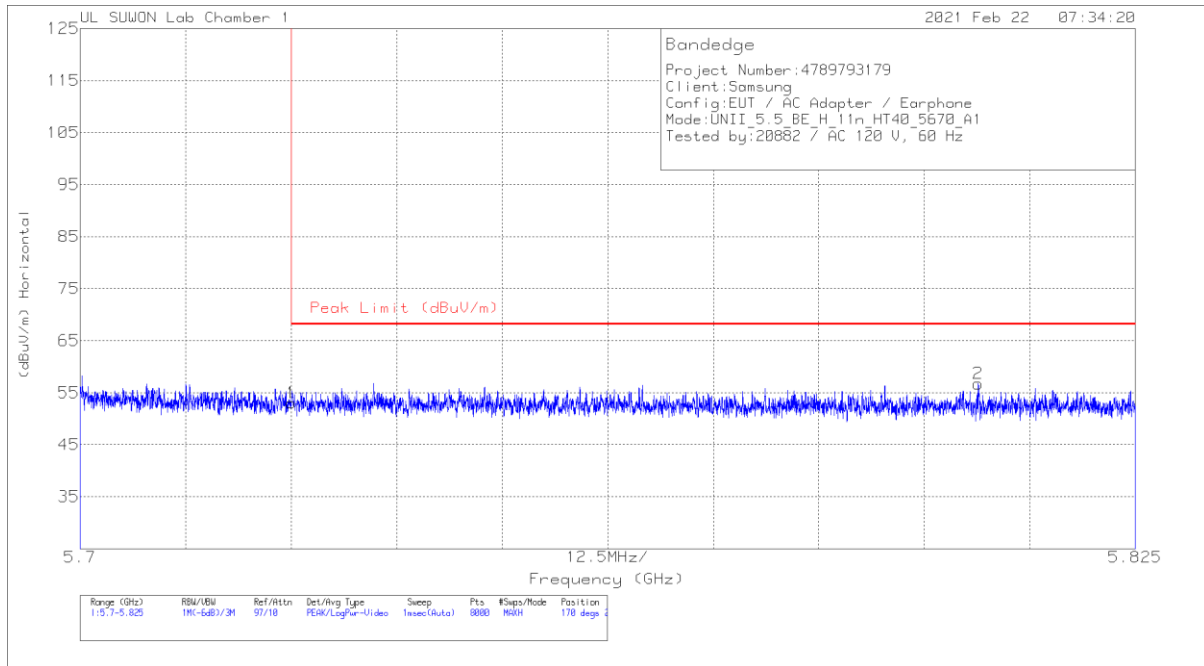
**Trace Markers**

Marker	Frequency (Ghz)	Meter Reading (dBuV)	Det	3117_00168717	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	* 5.45998	39.49	Pk	34.5	-21.3	0	52.89	-	-	74	-21.31	297	100	V
2	* 5.45694	41.5	Pk	34.5	-21.4	0	54.6	-	-	74	-19.4	297	100	V
3	5.46998	38.28	Pk	34.5	-21.3	0	51.48	-	-	68.2	-16.72	297	100	V
4	5.4635	41.48	Pk	34.5	-21.3	0	54.68	-	-	68.2	-13.52	297	100	V
5	* 5.45998	31.56	RMS	34.5	-21.3	0	44.76	54	-9.24	-	-	297	100	V
6	* 5.43928	32.7	RMS	34.5	-21.4	0	45.8	54	-8.2	-	-	297	100	V
7	5.46998	32.02	RMS	34.5	-21.3	0	45.22	-	-	-	-	297	100	V
8	5.46471	32.55	RMS	34.5	-21.3	0	45.75	-	-	-	-	297	100	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**

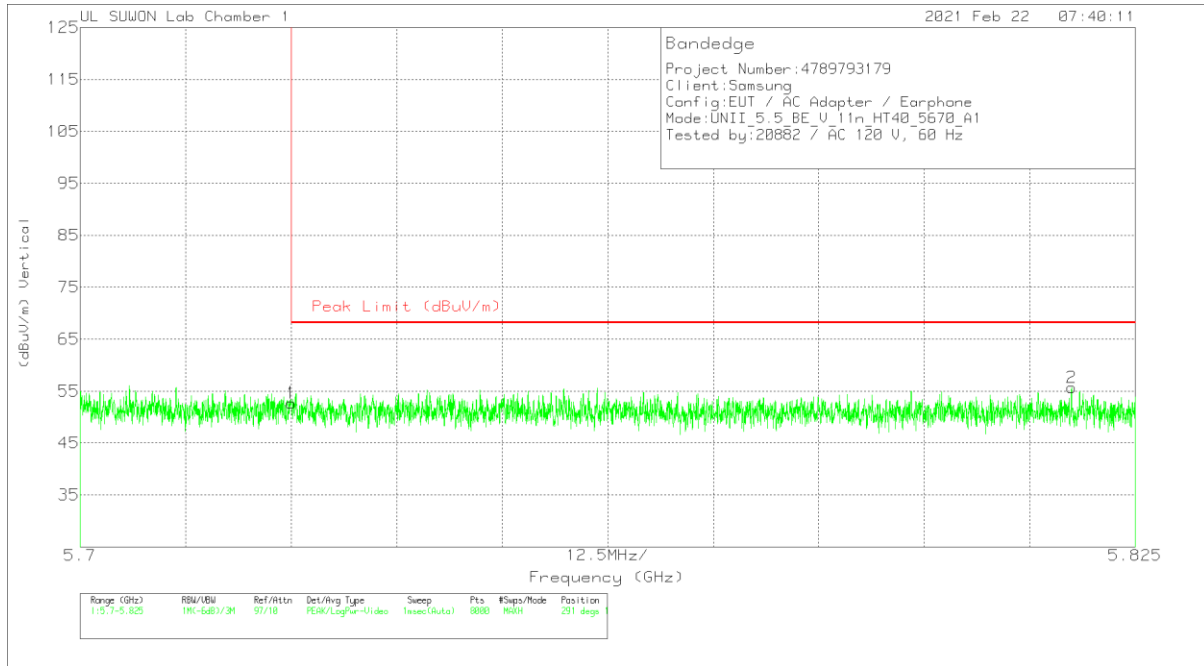


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.01	Pk	34.9	-20.9	0	53.01	68.2	-15.19	170	253	H
2	5.8064	42.74	Pk	35	-21	0	56.74	68.2	-11.46	170	253	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



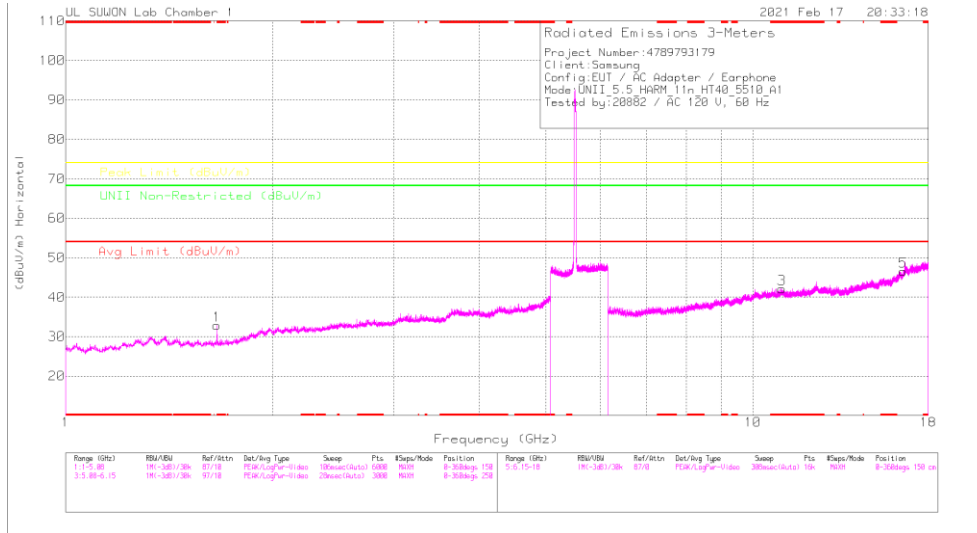
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.68	Pk	34.9	-20.9	0	52.68	68.2	-15.52	291	106	V
2	5.81745	41.66	Pk	35	-21	0	55.66	68.2	-12.54	291	106	V

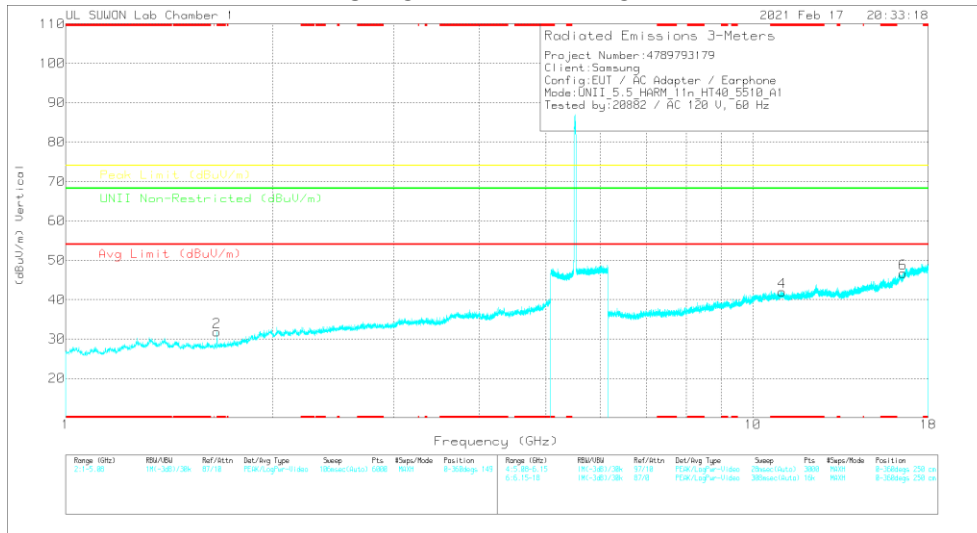
Pk - Peak detector

**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**

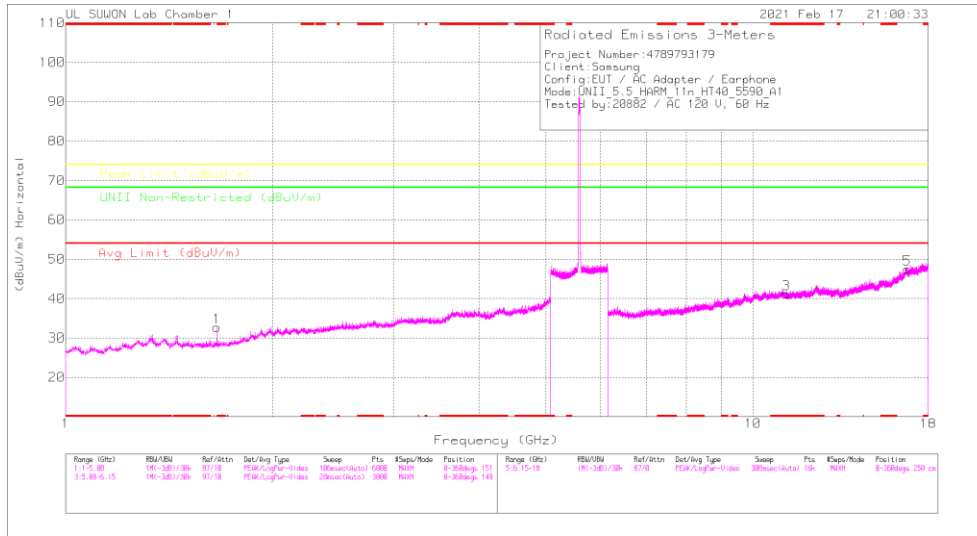
**Radiated Emissions**

Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168717	5GHz_LPFdB	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)	Asimuth (Degs)	Height (cm)	Polarity
1.65968	46.38	PK-U	28.4	-35.7	0	39.06	-	-	-	-	68.2	-29.12	360	100	H
1.65989	46.46	PK-U	28.4	-35.8	0	39.06	-	-	-	-	68.2	-29.14	360	100	V
* 11.02106	34.71	PK-U	38.2	-21.7	0	51.21	-	-	74	-22.79	-	-	360	100	H
* 11.02384	34.35	PK-U	38.2	-21.6	0	50.95	-	-	74	-23.05	-	-	360	100	V
16.54808	34.8	PK-U	41.2	-19.3	0	56.7	-	-	-	-	68.2	-11.5	360	100	H
16.54834	33.26	PK-U	41.2	-19.3	0	55.16	-	-	-	-	68.2	-13.04	360	100	V

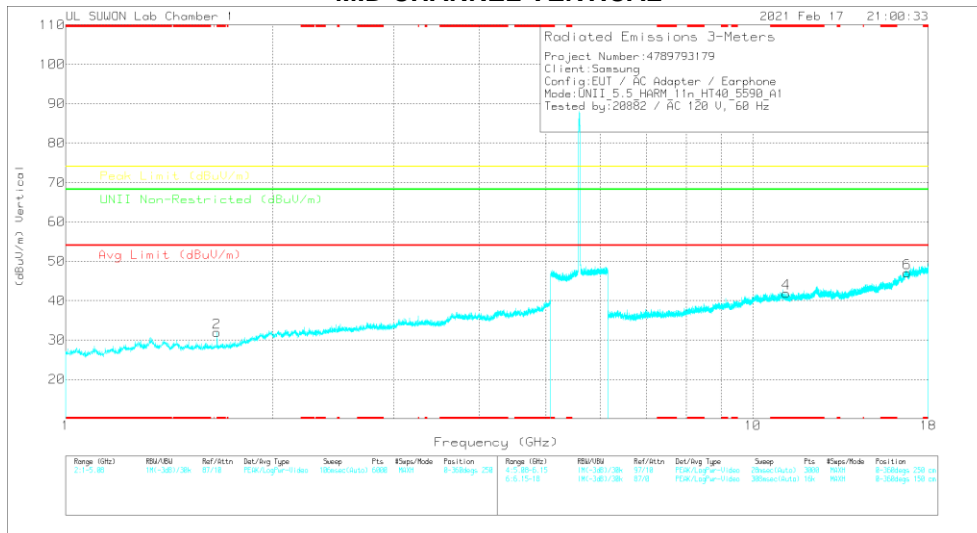
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak



**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**

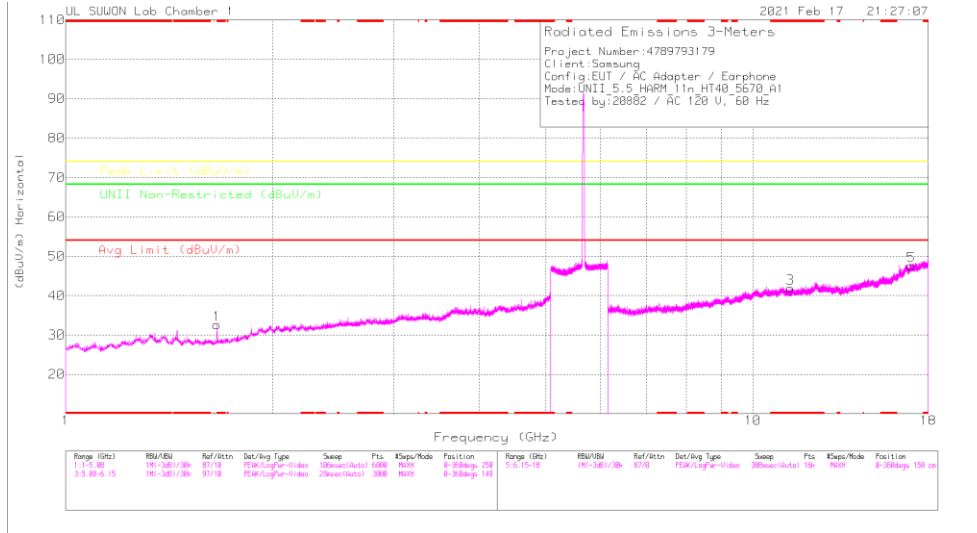
Frequency (GHz)	Max Reading (dBuV)	Det	3117_00168717	5GHz_HP15B	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asmuth (Deg)	Height (cm)	Polarity
1.65939	46.3	PK-U	28.4	-35.7	0	39	-	-	-	-	68.2	-29.2	360	100	H
1.65995	46.85	PK-U	28.4	-35.9	0	39.45	-	-	-	-	68.2	-29.75	360	100	V

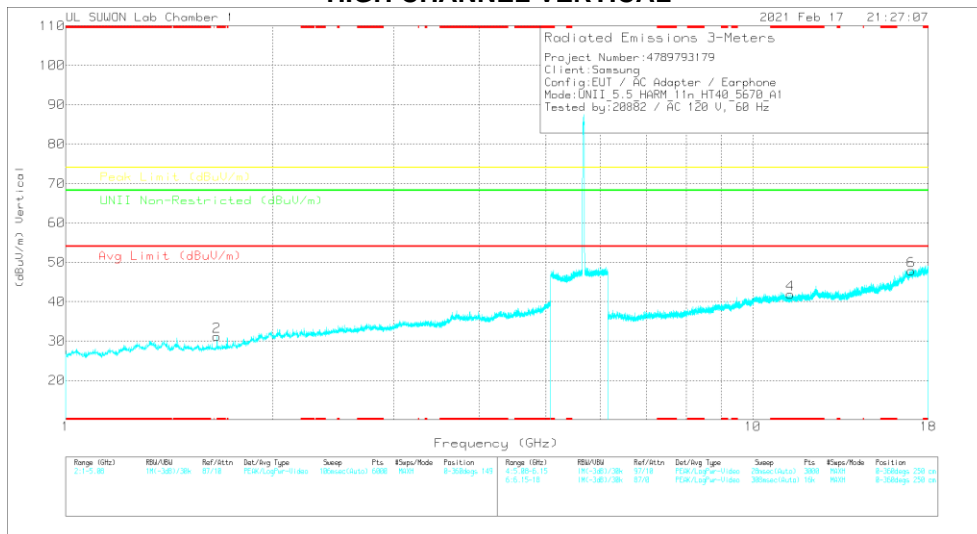
Frequency (GHz)	Max Reading (dBuV)	Det	3117_00168717	6GHz_HP15B	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asmuth (Deg)	Height (cm)	Polarity
* 11.18711	34.72	PK-U	38.4	-22.3	0	50.82	-	-	74	-23.18	-	-	360	100	H
* 11.186	34.53	PK-U	38.4	-22.3	0	50.63	-	-	74	-23.37	-	-	360	100	V
16.76684	32.71	PK-U	41.6	-18	0	56.31	-	-	-	-	68.2	-11.89	360	100	H
16.76547	33.12	PK-U	41.6	-18	0	56.72	-	-	-	-	68.2	-11.48	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)	Mixer Reading (dBuV)	Det	3117_00168717	5GHz_LPF(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
1.65964	46.37	PK-U	28.4	-35.7	0	39.07	-	-	-	-	68.2	-29.13	360	100	H
1.6599	46.74	PK-U	28.4	-35.8	0	39.34	-	-	-	-	68.2	-28.86	360	100	V

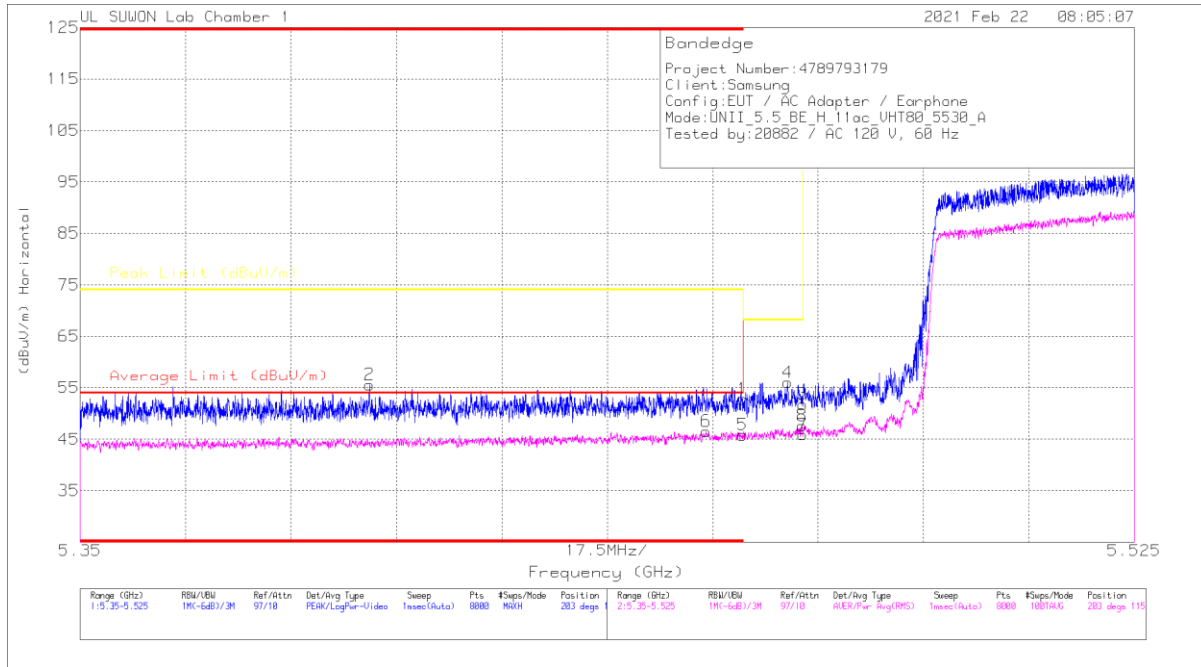
Frequency (GHz)	Mixer Reading (dBuV)	Det	3117_00168717	5GHz_LPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 11.33923	33.93	PK-U	38.4	-22.2	0	50.13	-	-	74	-23.87	-	-	360	100	H
* 11.34003	33.72	PK-U	38.4	-22.2	0	49.92	-	-	74	-24.08	-	-	360	100	V
17.01222	33.27	PK-U	41.6	-17.6	0	57.27	-	-	-	-	68.2	-10.93	360	100	H
17.01319	33	PK-U	41.6	-17.7	0	56.9	-	-	-	-	68.2	-11.3	360	100	V

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

### 11.3.4. TX ABOVE 1GHz 802.11ac VHT80 1Tx MODE IN THE 5.5GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE DATA



#### Trace Markers

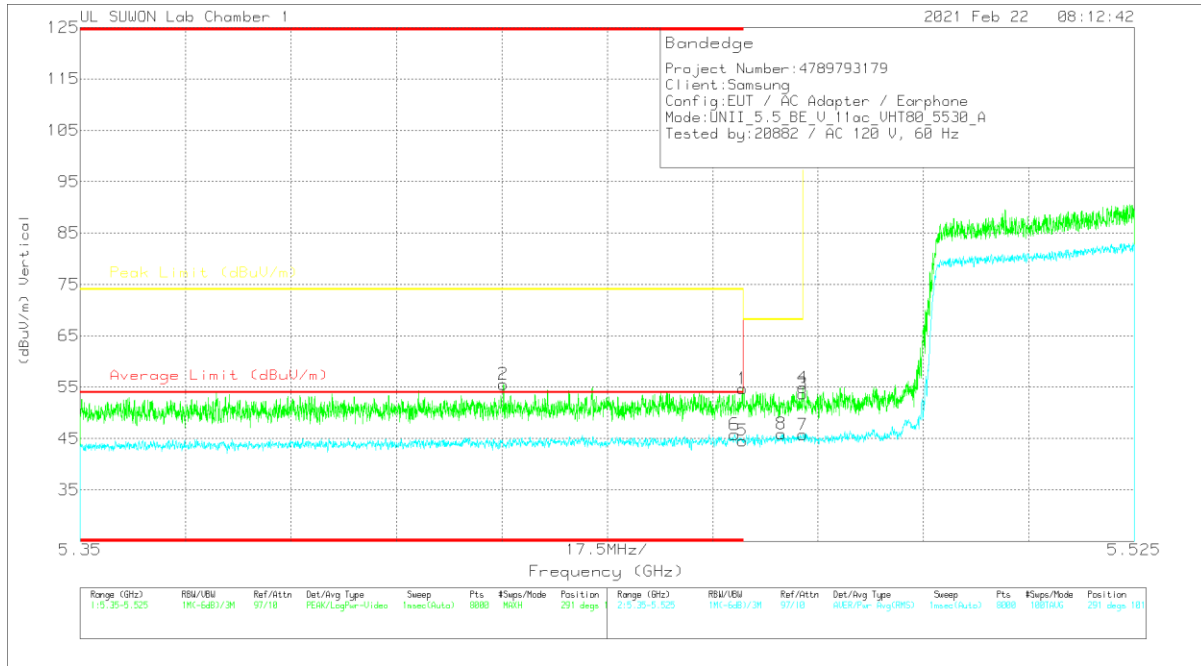
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	39.61	Pk	34.5	-21.3	0	52.81	-	-	74	-21.19	203	115	H
2	* 5.398	42.58	Pk	34.5	-21.5	0	55.58	-	-	74	-18.42	203	115	H
3	5.46998	38.61	Pk	34.5	-21.3	0	51.81	-	-	68.2	-16.39	203	115	H
4	5.46742	42.82	Pk	34.5	-21.3	0	56.02	-	-	68.2	-12.18	203	115	H
5	* 5.45998	32.48	RMS	34.5	-21.3	.16	45.84	54	-8.16	-	-	203	115	H
6	* 5.4539	33.27	RMS	34.5	-21.4	.16	46.53	54	-7.47	-	-	203	115	H
7	5.46998	32.5	RMS	34.5	-21.3	.16	45.86	-	-	-	-	203	115	H
8	5.46983	34.26	RMS	34.5	-21.3	.16	47.62	-	-	-	-	203	115	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE DATA**



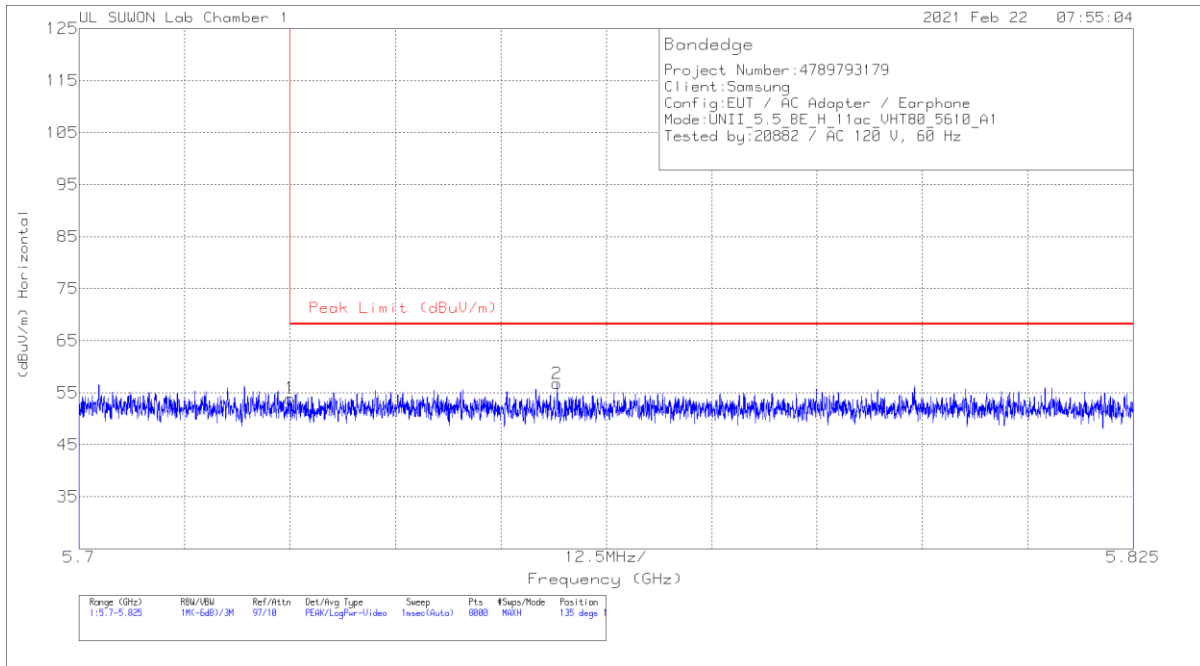
**Trace Markers**

Marker	Frequency (Ghz)	Meter Reading (dBuV)	Det	3117_00168717	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	* 5.45998	41.49	Pk	34.5	-21.3	0	54.69	-	-	74	-19.31	291	101	V
2	* 5.42027	42.69	Pk	34.5	-21.6	0	55.59	-	-	74	-18.41	291	101	V
3	5.46998	40.53	Pk	34.5	-21.3	0	53.73	-	-	68.2	-14.47	291	101	V
4	5.46994	41.7	Pk	34.5	-21.3	0	54.9	-	-	68.2	-13.3	291	101	V
5	* 5.45998	31.24	RMS	34.5	-21.3	.16	44.6	54	-9.4	-	-	291	101	V
6	* 5.45865	32.42	RMS	34.5	-21.3	.16	45.78	54	-8.22	-	-	291	101	V
7	5.46998	32.38	RMS	34.5	-21.3	.16	45.74	-	-	-	-	291	101	V
8	5.46641	32.55	RMS	34.5	-21.3	.16	45.91	-	-	-	-	291	101	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**

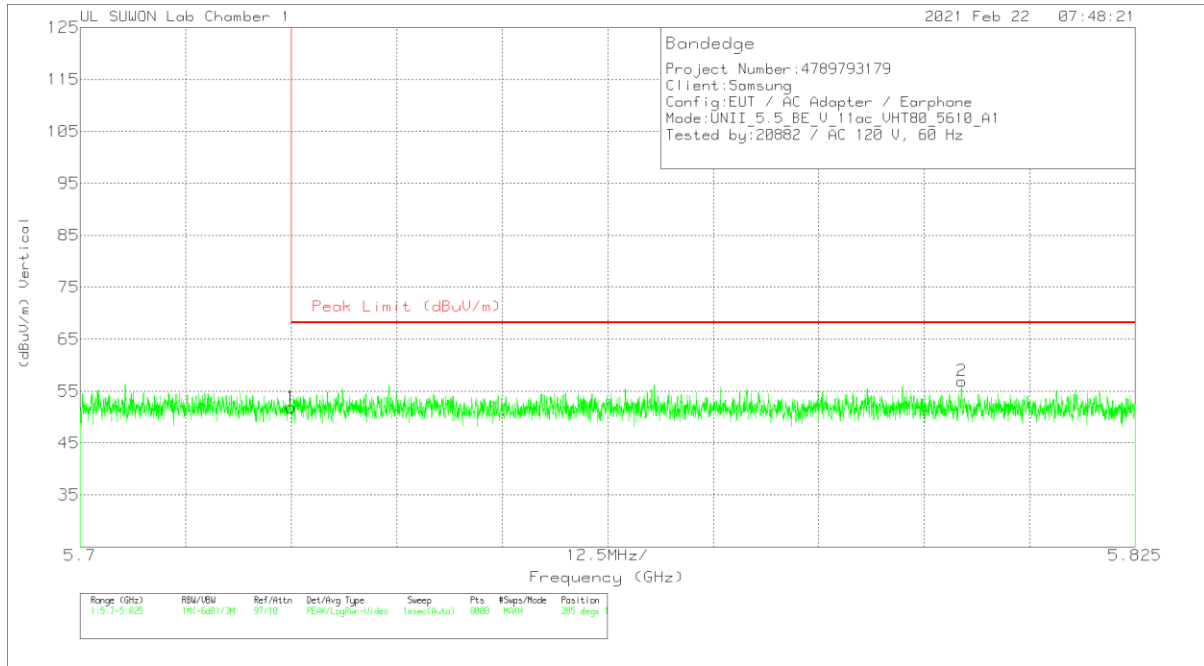


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.9	Pk	34.9	-20.9	0	53.9	68.2	-14.3	135	101	H
2	5.75665	42.87	Pk	34.9	-21	0	56.77	68.2	-11.43	135	101	H

Pk - Peak detector

**VERTICAL PEAK AND AVERAGE DATA**



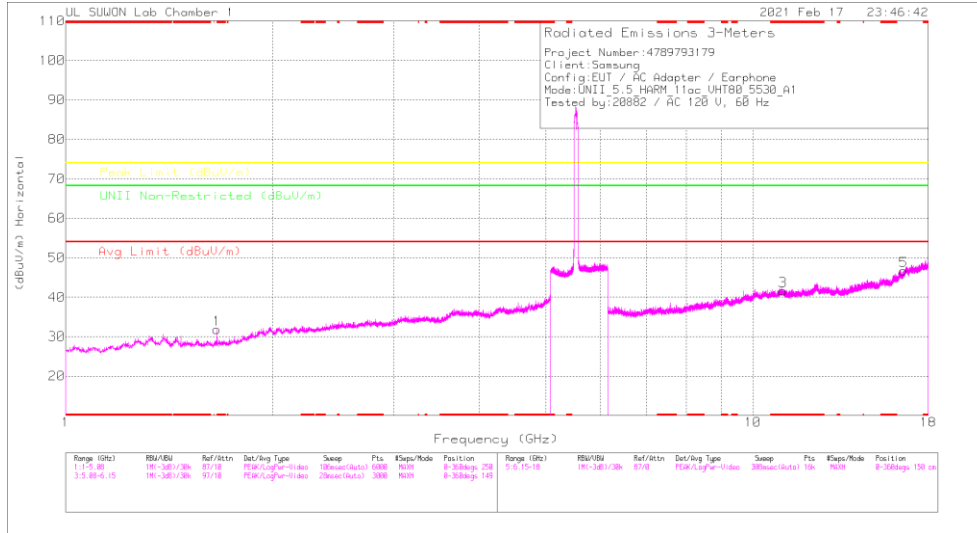
**Trace Markers**

Marker	Frequency(GHz)	MeterReading(dBuV)	Det	3117_00168717	10dB_ATT[dB]	DC Corr (dB)	CorrectedReading(dBuV/m)	Peak Limit (dBuV/m)	PK Margin(dB)	Azimuth(Degs)	Height(cm)	Polarity
1	5.725	37.9	Pk	34.9	-20.9	0	51.9	68.2	-16.3	285	100	V
2	5.80444	42.86	Pk	35	-20.9	0	56.96	68.2	-11.24	285	100	V

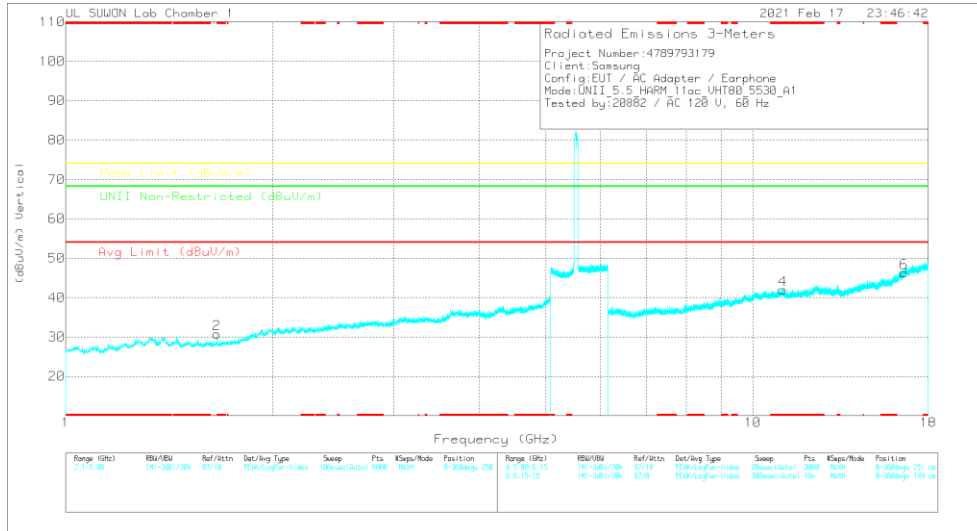
Pk - Peak detector

**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**

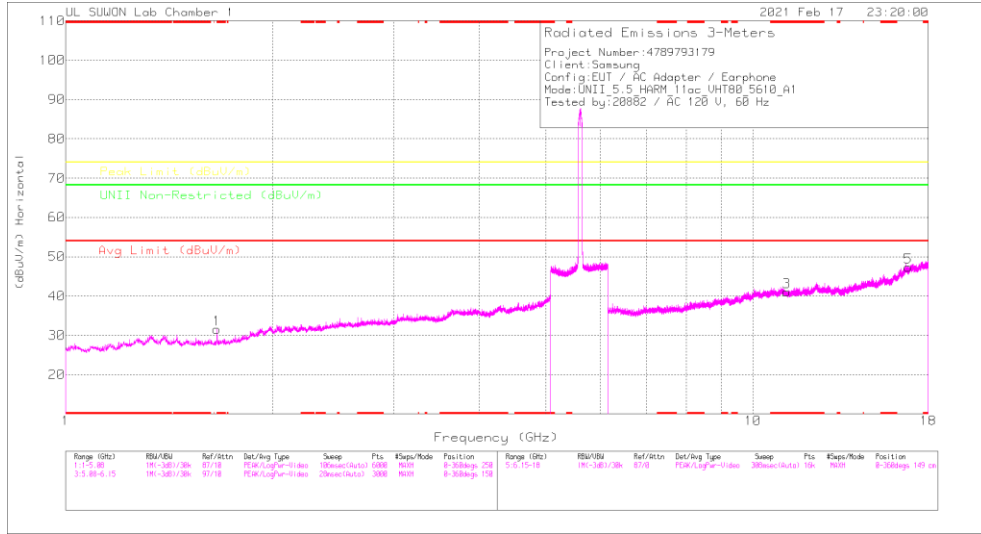
Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168717	5GHz_LPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1.65955	45.29	PK-U	28.4	-35.7	0	39.98	-	-	-	-	68.2	-29.22	360	100	H
1.6599	45.94	PK-U	28.4	-35.8	0	38.54	-	-	-	-	68.2	-29.66	360	100	V

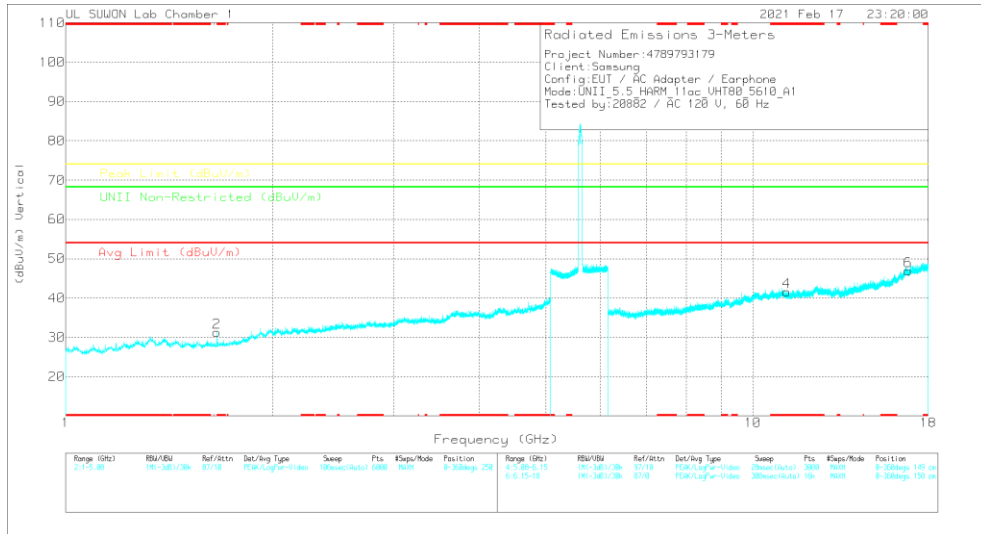
Frequency (GHz)	Mask Reading (dBuV)	Det	3117_00168717	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 11.05953	34.45	PK-U	38.3	-21.8	0	50.95	-	-	74	-23.05	-	-	360	100	H
* 11.06254	33.78	PK-U	38.3	-21.7	0	50.38	-	-	74	-23.62	-	-	360	100	V
16.58576	33.24	PK-U	41.2	-19.1	0	55.34	-	-	-	-	68.2	-12.86	360	100	H
16.58565	33.15	PK-U	41.2	-19.1	0	55.25	-	-	-	-	68.2	-12.95	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)	Meter Reading (dBuV)	Det	317_0016B717	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)	Azimuth (Degs)	Height (cm)	Polarity
1.65951	46.03	PK-U	28.4	-35.7	0	38.73	-	-	-	-	68.2	-29.47	360	100	H
1.65987	46.21	PK-U	28.4	-35.8	0	38.81	-	-	-	-	68.2	-29.39	360	100	V

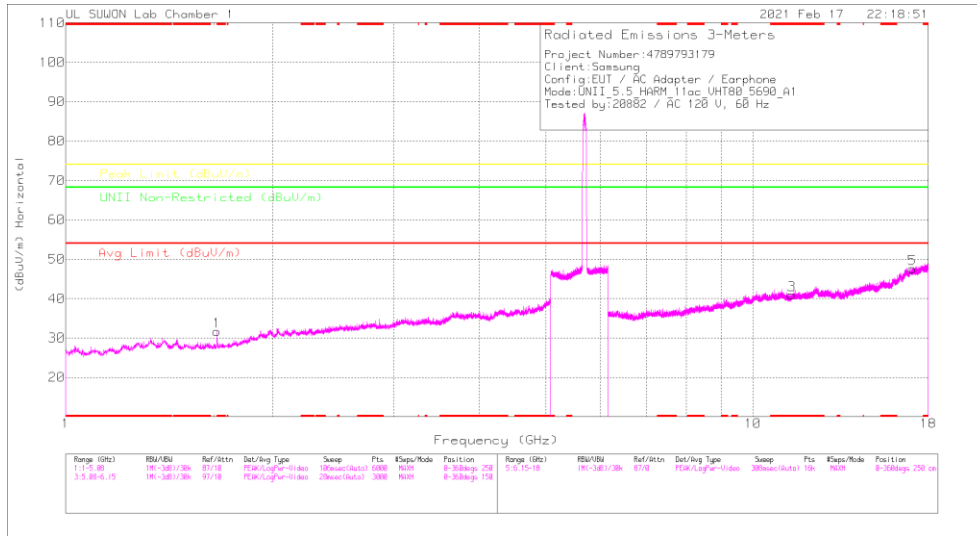
  

Frequency (GHz)	Meter Reading (dBuV)	Det	317_0016B717	6GHz_HPS(S)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.20136	33.84	PK-U	38.4	-22.2	0	50.04	-	-	74	-23.96	-	-	360	100	H
* 11.20229	33.83	PK-U	38.4	-22.3	0	49.93	-	-	74	-24.07	-	-	360	100	V
16.82335	32.9	PK-U	41.6	-18.5	0	56	-	-	-	-	68.2	-12.2	360	100	H
16.82191	33.02	PK-U	41.6	-18.5	0	56.12	-	-	-	-	68.2	-12.08	360	100	V

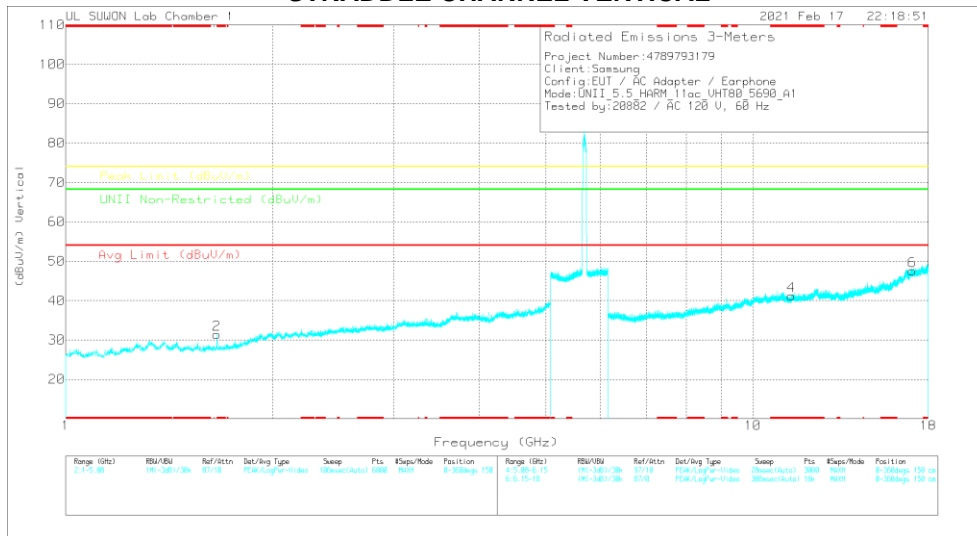
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak



**STRADDLE CHANNEL HORIZONTAL**



**STRADDLE 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.

**STRADDLE CHANNEL DATA**

**Radiated Emissions**

Frequency (GHz)	Meter Reading (dBuV)	Det	317_0016B717	6GHz_H(F)(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)	Asmth (Degs)	Height (cm)	Polarity
1.65955	46.5	PK-U	28.4	-35.7	0	39.2	-	-	-	-	68.2	-29	360	100	H
1.65959	46.72	PK-U	28.4	-35.7	0	39.42	-	-	-	-	68.2	-28.78	360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	317_0016B717	6GHz_H(F)(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)	Asmth (Degs)	Height (cm)	Polarity
* 11.3893	34.02	PK-U	38.4	-22.2	0	50.22	-	-	74	-23.78	-	-	360	100	H
* 11.38912	33.84	PK-U	38.4	-22.2	0	50.04	-	-	74	-23.96	-	-	360	100	V
17.07523	32.84	PK-U	41.6	-17.5	0	56.94	-	-	-	-	68.2	-11.26	360	100	H
17.07518	32.51	PK-U	41.6	-17.5	0	56.61	-	-	-	-	68.2	-11.59	360	100	V

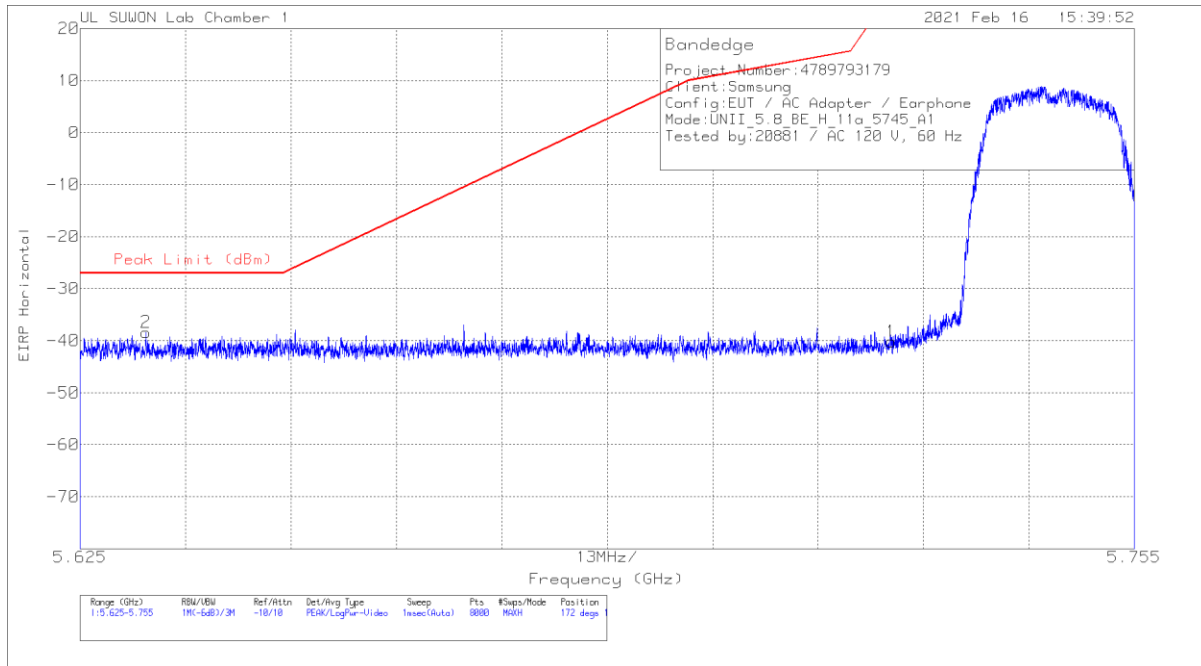
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak

## 11.4. 5.8 GHz

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

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK DATA

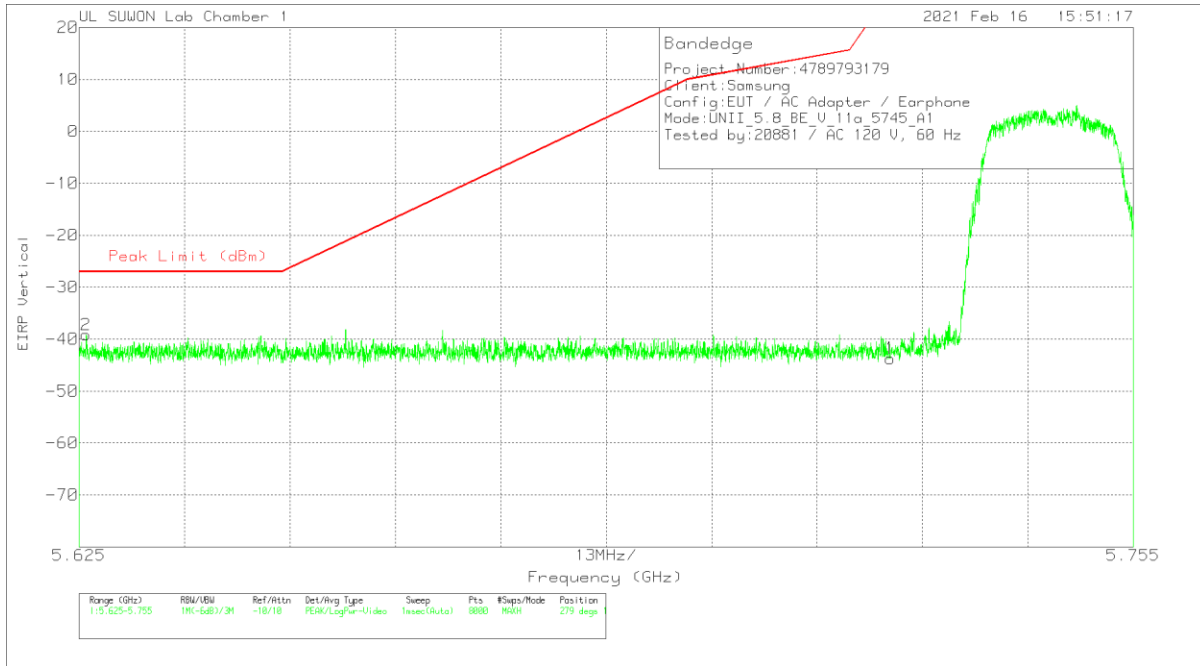


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-65.95	Pk	34.9	-20.9	11.8	0	-40.15	27	-67.15	172	100	H
2	5.63311	-63.9	Pk	34.7	-21	11.8	0	-38.4	-27	-11.4	172	100	H

Pk - Peak detector

**VERTICAL PEAK DATA**



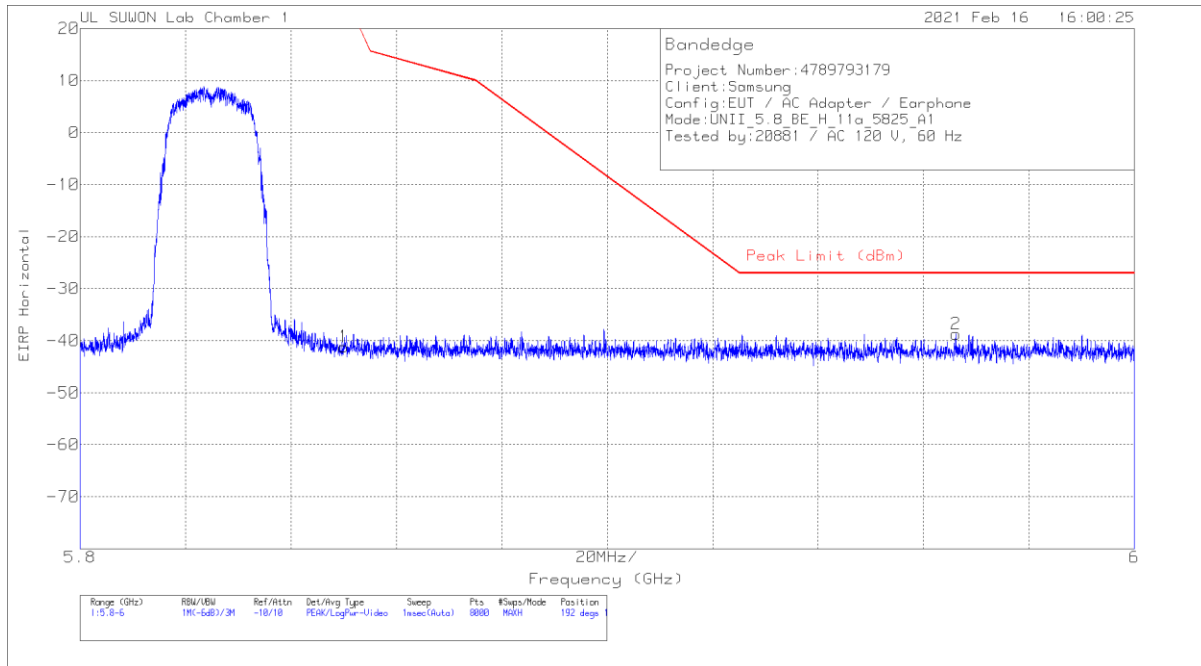
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-69.53	Pk	34.9	-20.9	11.8	0	-43.73	27	-70.73	279	109	V
2	5.62586	-64.67	Pk	34.7	-21	11.8	0	-39.17	-27	-12.17	279	109	V

PK - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK DATA**

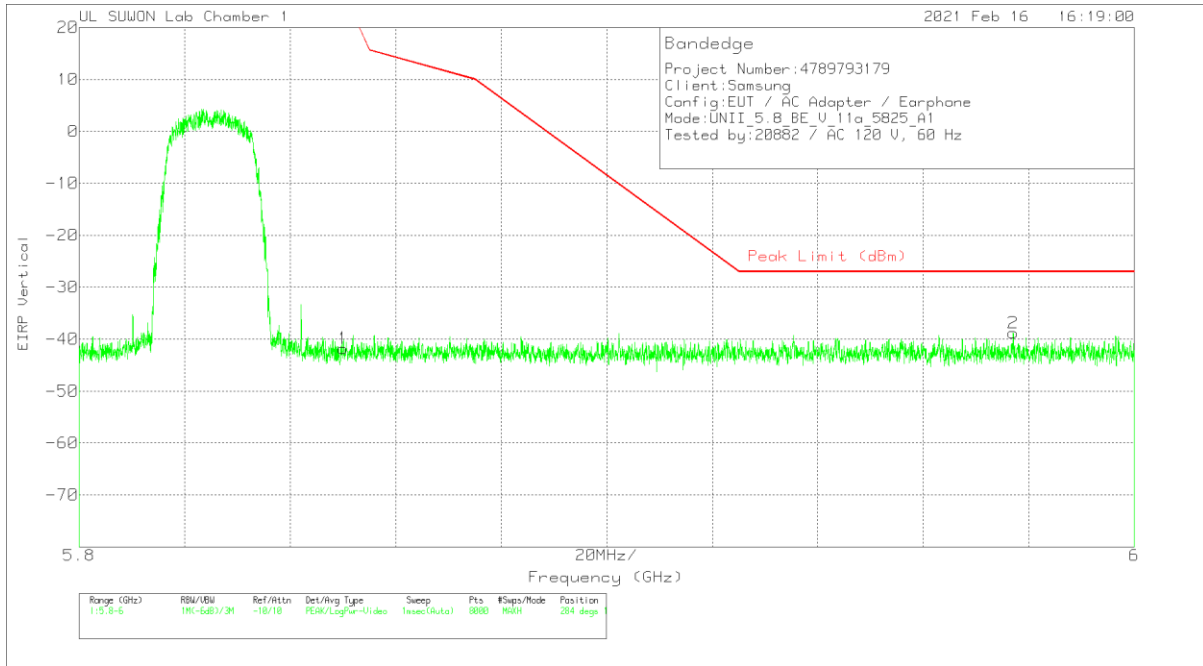


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-67.18	Pk	35.1	-20.9	11.8	0	-41.18	26.99	-68.17	192	103	H
2	5.96612	-65.11	Pk	35.2	-20.6	11.8	0	-38.71	-27	-11.71	192	103	H

Pk - Peak detector

**VERTICAL PEAK DATA**



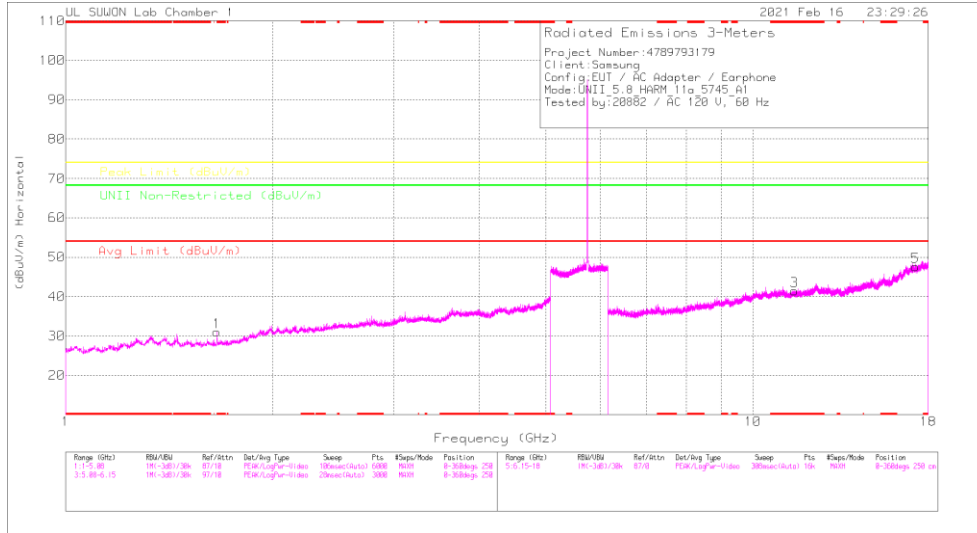
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-67.8	Pk	35.1	-20.9	11.8	0	-41.8	26.99	-68.79	284	109	V
2	5.97705	-65.21	Pk	35.2	-20.6	11.8	0	-38.81	-27	-11.81	284	109	V

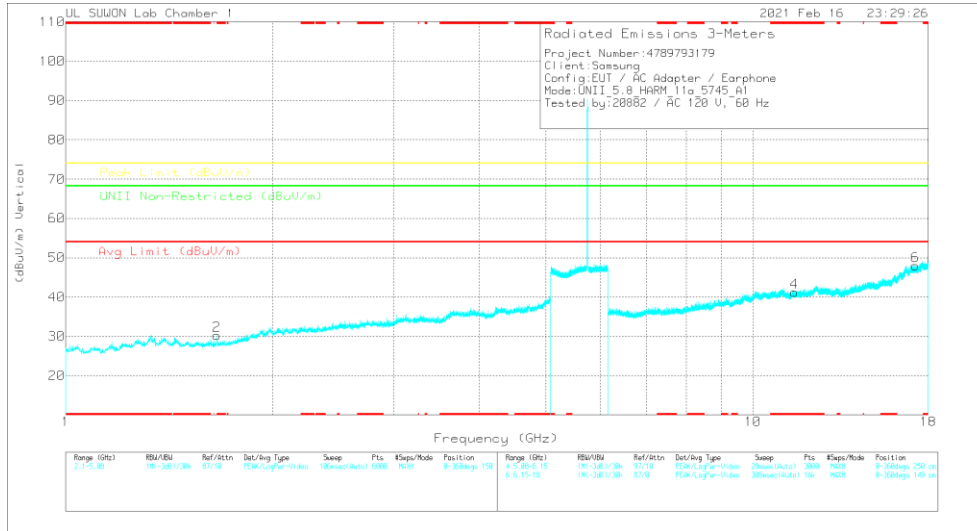
PK - Peak detector

**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**

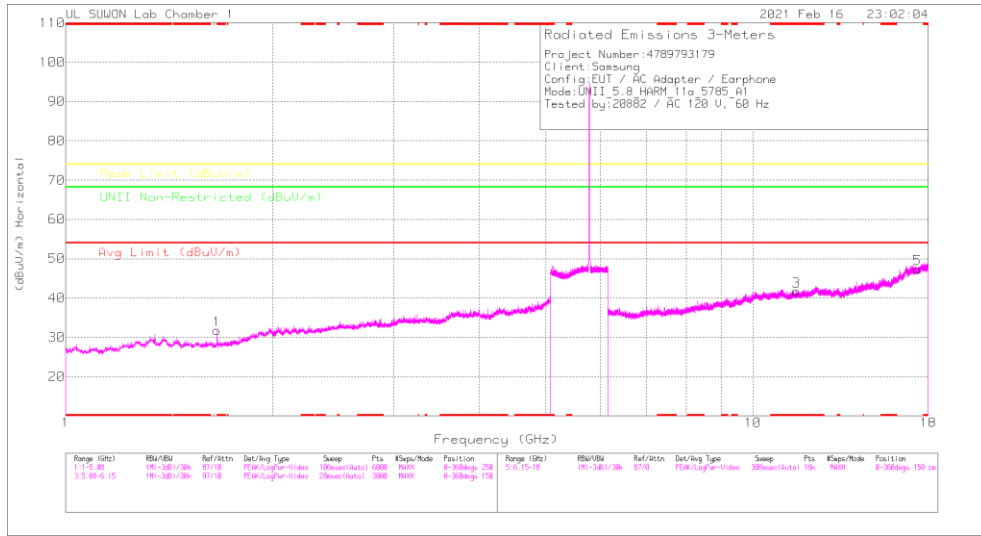
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	5GHz_LPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1.65933	45.33	PK-U	28.4	-35.7	0	38.03	-	-	-	-	68.2	-30.17	360	100	H
1.6598	45.58	PK-U	28.4	-35.8	0	38.18	-	-	-	-	68.2	-30.02	360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	5GHz_HPF(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
* 11.4987	33.97	PK-U	38.4	-22.3	0	50.07	-	-	74	-23.93	-	-	360	100	H
* 11.4988	34.25	PK-U	38.4	-22.3	0	50.35	-	-	74	-23.65	-	-	360	100	V
17.23258	33.04	PK-U	41.3	-17.5	0	56.84	-	-	-	-	68.2	-11.36	360	100	H
17.23405	33.16	PK-U	41.3	-17.5	0	56.96	-	-	-	-	68.2	-11.24	360	100	V

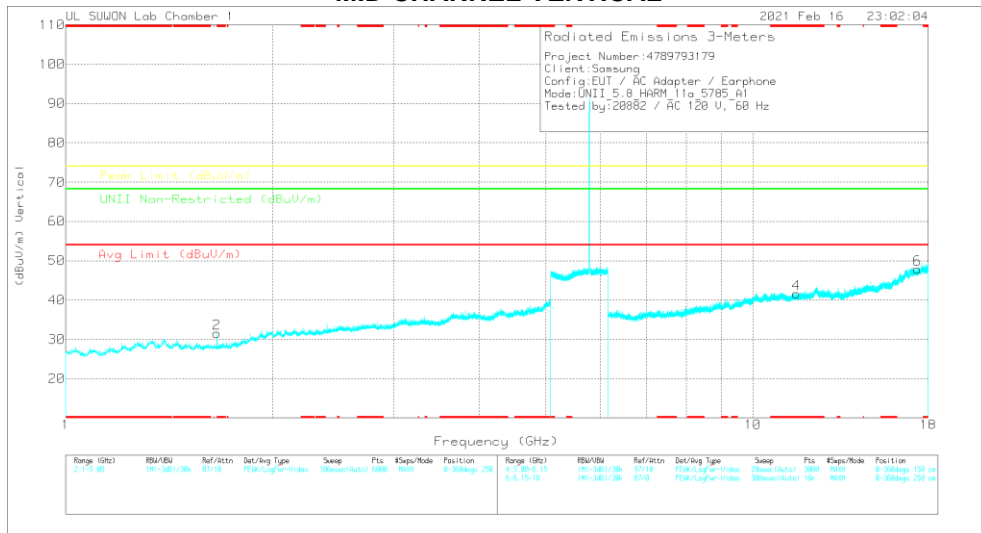
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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**

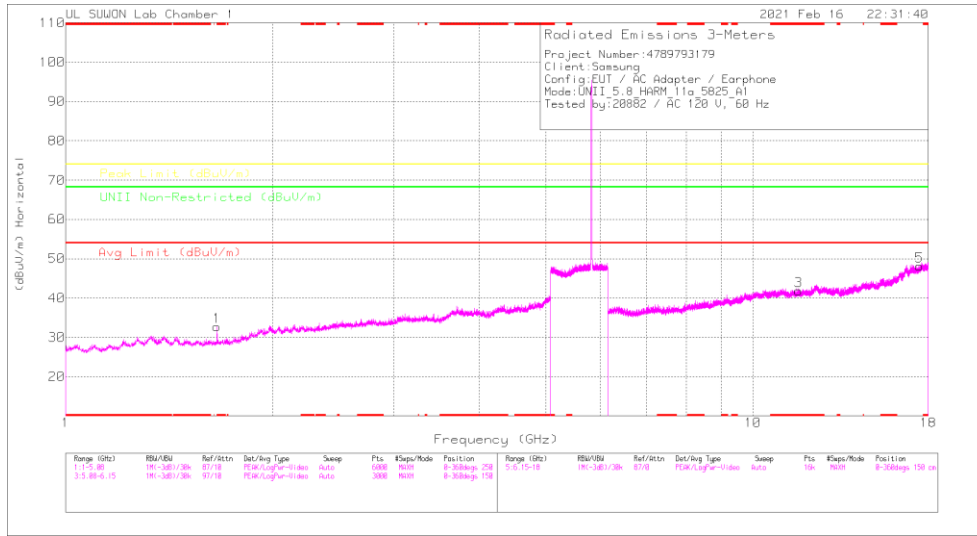
Frequency (GHz)	Meas Reading (dBuV)	Det	317_0016B717	5GHz_LFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asmuth (Degs)	Height (cm)	Polarity
1.65882	45.8	PK-U	28.4	-35.7	0	38.5	-	-	-	-	68.2	-29.7	360	100	H
1.65951	46.26	PK-U	28.4	-35.7	0	38.96	-	-	-	-	68.2	-29.24	360	100	V

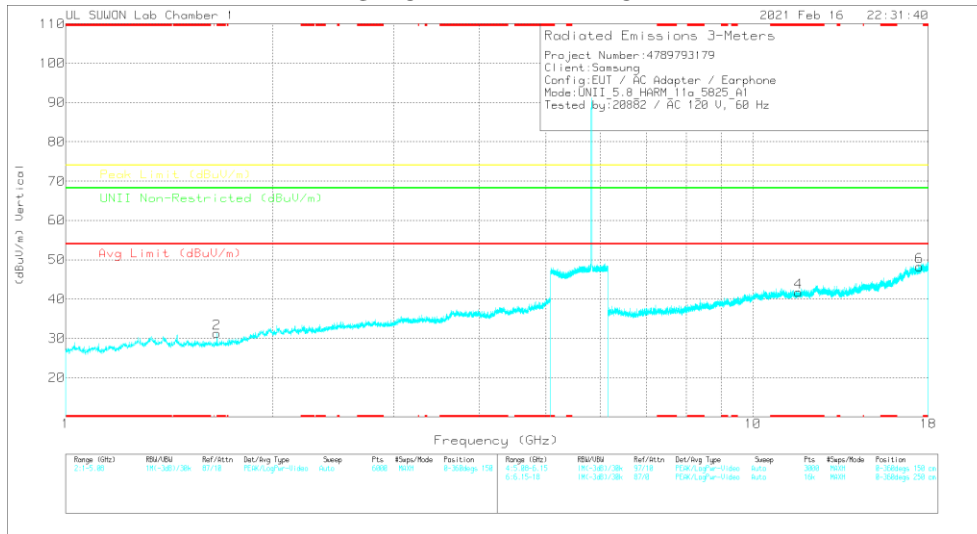
Frequency (GHz)	Meas Reading (dBuV)	Det	317_0016B717	5GHz_HFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Asmuth (Degs)	Height (cm)	Polarity
* 11.57239	33.64	PK-U	38.3	-22.3	0	49.64	-	-	74	-24.36	-	-	360	100	H
* 11.57324	33.77	PK-U	38.3	-22.3	0	49.77	-	-	74	-24.23	-	-	360	100	V
17.35304	33.39	PK-U	41.2	-17.5	0	57.09	-	-	-	-	68.2	-11.11	360	100	H
17.35183	33.31	PK-U	41.2	-17.6	0	56.91	-	-	-	-	68.2	-11.29	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)	Max Reading (dBuV)	Det	3117_00168717	5GHz_LPF(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 (Deg)	Height (m)	Polarity
1.6599	46.4	PK-U	26.4	-35.8	0	30	-	-	-	-	68.2	-32.2	360	100	H
1.65846	46.19	PK-U	26.4	-35.7	0	38.89	-	-	-	-	68.2	-29.31	360	100	V

Frequency (GHz)	Max Reading (dBuV)	Det	3117_00168717	6GHz_HPF(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 (Deg)	Height (m)	Polarity
* 11.65049	34.9	PK-U	38.3	-21.8	0	51.4	-	-	74	-22.6	-	-	360	100	H
* 11.64381	34.04	PK-U	38.3	-21.8	0	50.54	-	-	74	-23.46	-	-	360	100	V
17.4894	33.61	PK-U	41.2	-17.4	0	57.41	-	-	-	-	68.2	-10.79	360	100	H
17.4889	34.1	PK-U	41.2	-17.4	0	57.9	-	-	-	-	68.2	-10.3	360	100	V

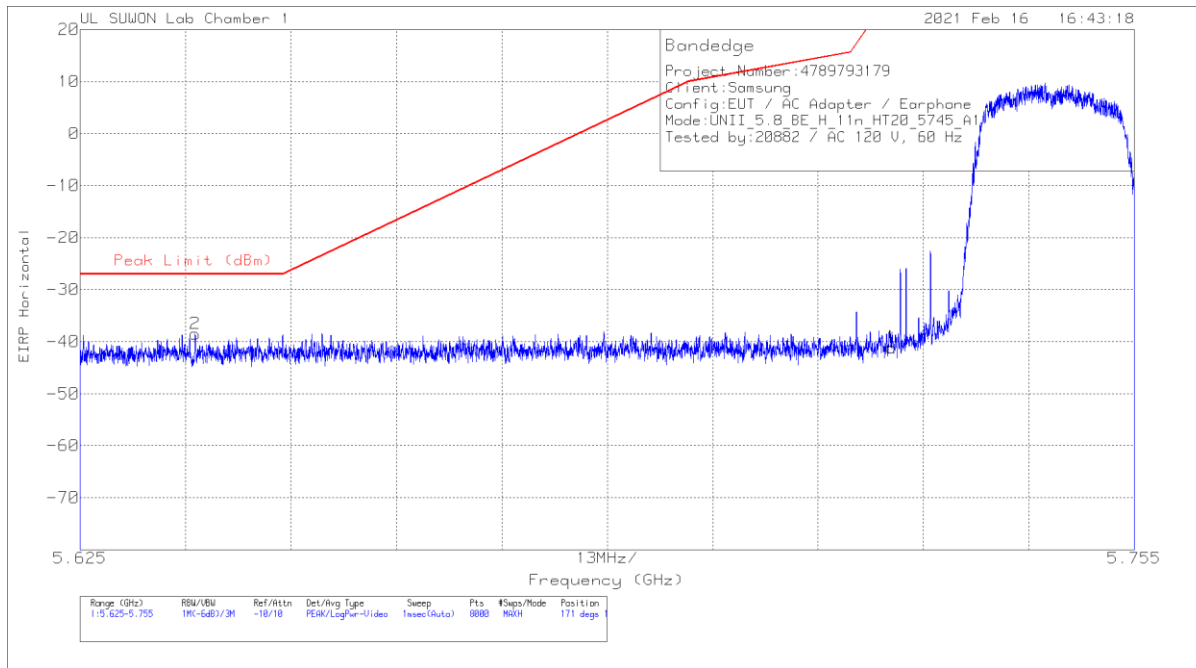
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK-U - U-NII: Maximum Peak



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

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK DATA

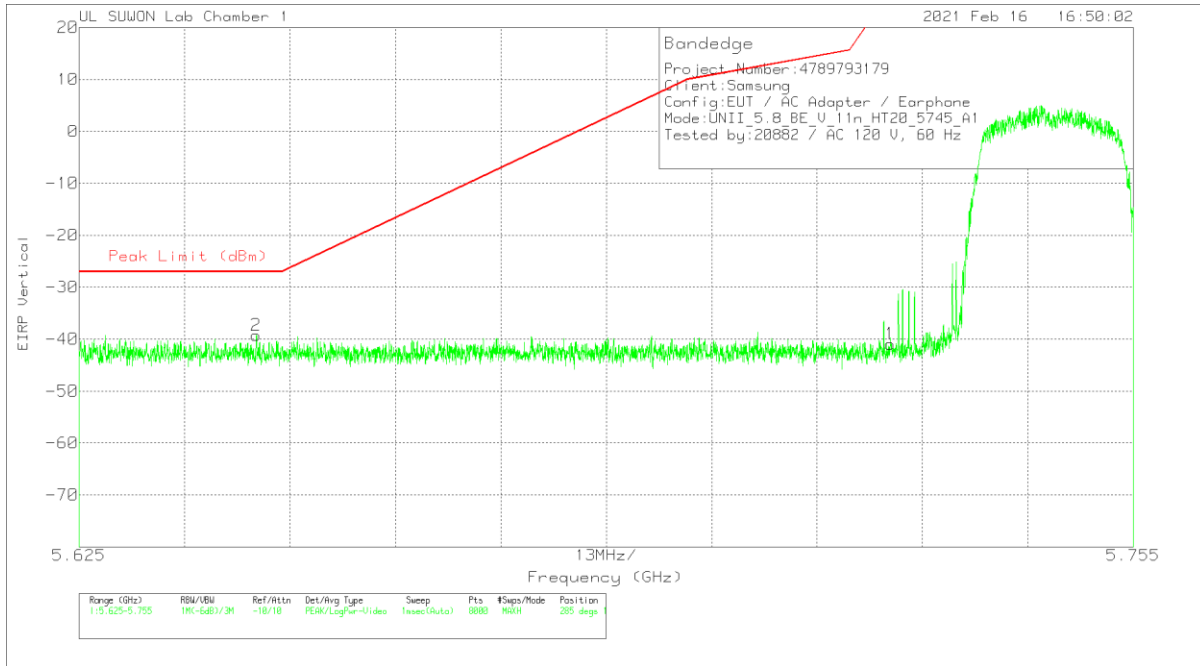


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.92	Pk	34.9	-20.9	11.8	0	-41.12	27	-68.12	171	100	H
2	5.63919	-64.08	Pk	34.8	-21	11.8	0	-38.48	-27	-11.48	171	100	H

Pk - Peak detector

**VERTICAL PEAK DATA**



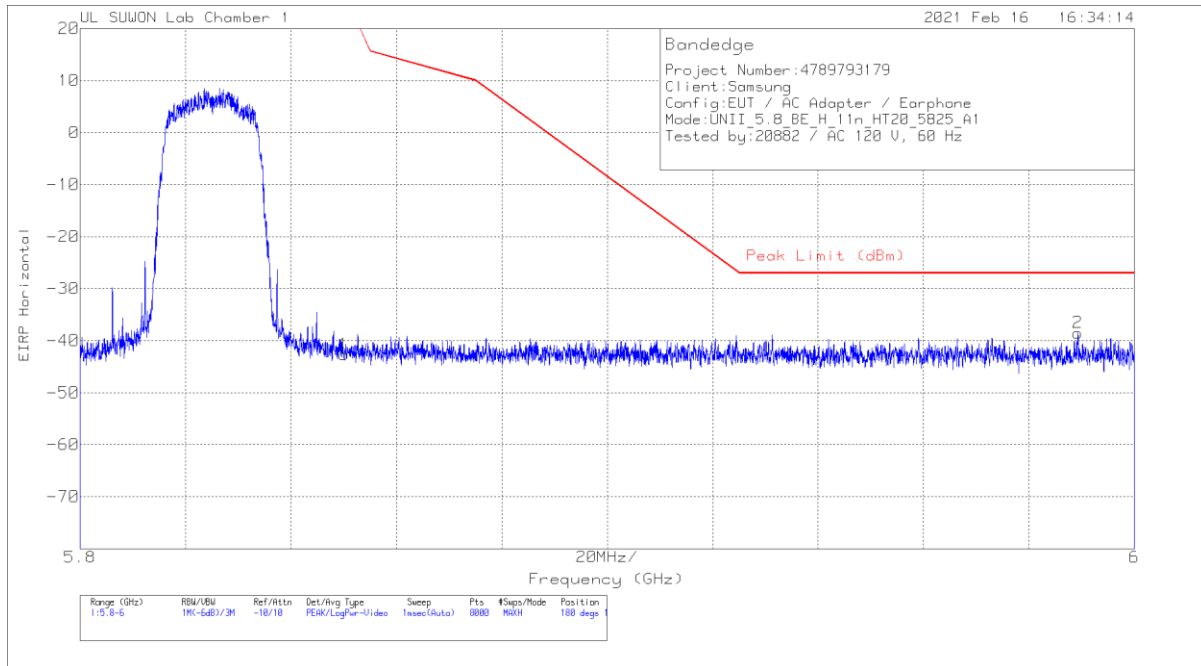
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.74	Pk	34.9	-20.9	11.8	0	-40.94	27	-67.94	285	100	V
2	5.64684	-64.96	Pk	34.8	-20.9	11.8	0	-39.26	-27	-12.26	285	100	V

Pk - Peak detector

**BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK DATA**

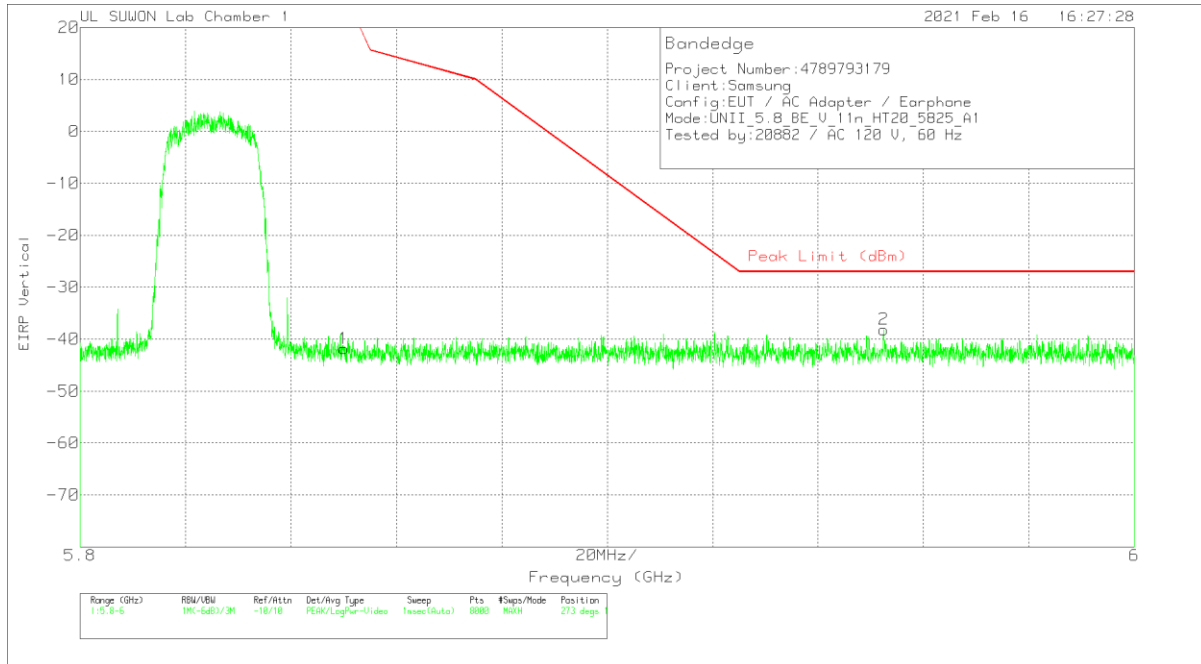


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-68.67	Pk	35.1	-20.9	11.8	0	-42.67	26.99	-69.66	180	103	H
2	5.98927	-64.99	Pk	35.2	-20.5	11.8	0	-38.49	-27	-11.49	180	103	H

Pk - Peak detector

**VERTICAL PEAK DATA**



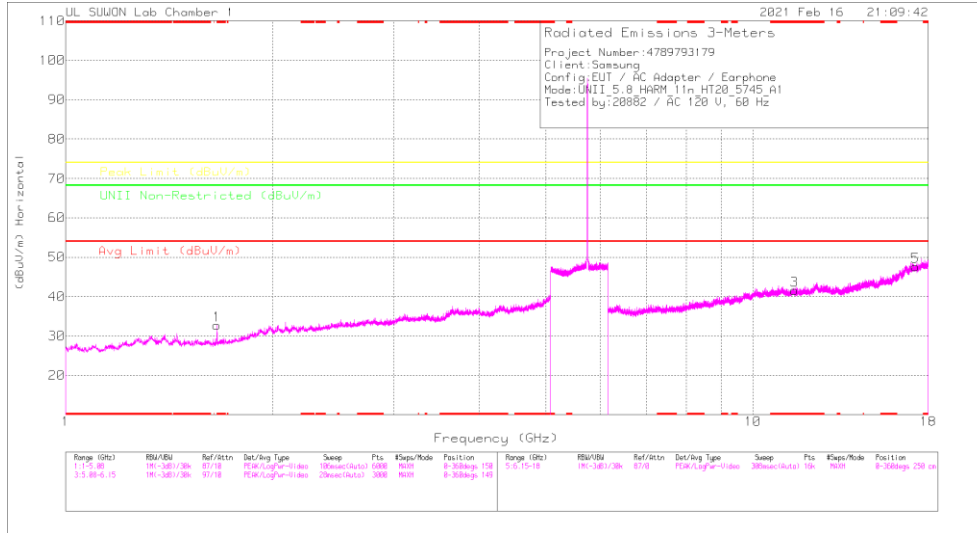
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-67.82	Pk	35.1	-20.9	11.8	0	-41.82	26.99	-68.81	273	102	V
2	5.95244	-64.32	PK	35.2	-20.8	11.8	0	-38.12	-27	-11.12	273	102	V

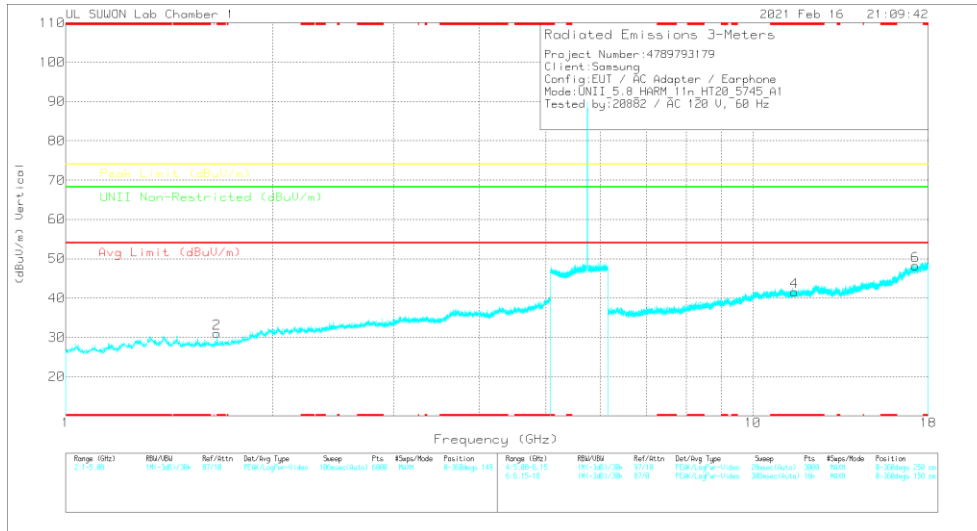
Pk - Peak detector

**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**

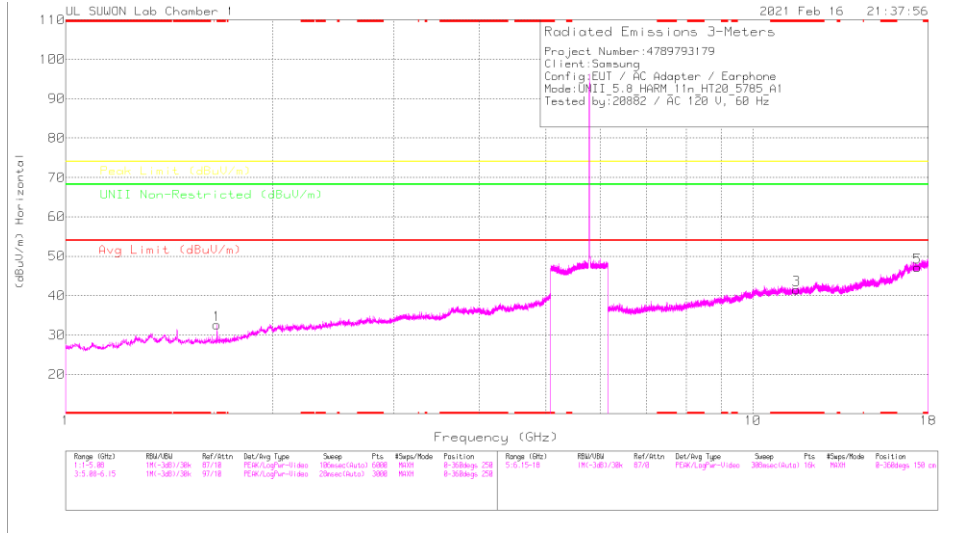
Frequency (GHz)	Meter Reading (dBuV)	Det	317_00168717	6GHz_HPSR	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1.6596	46.77	PK-U	28.4	-35.8	0	39.37	-	-	-	-	68.2	-28.83	360	100	H
1.6599	46.95	PK-U	28.4	-35.8	0	39.55	-	-	-	-	68.2	-28.65	360	100	V

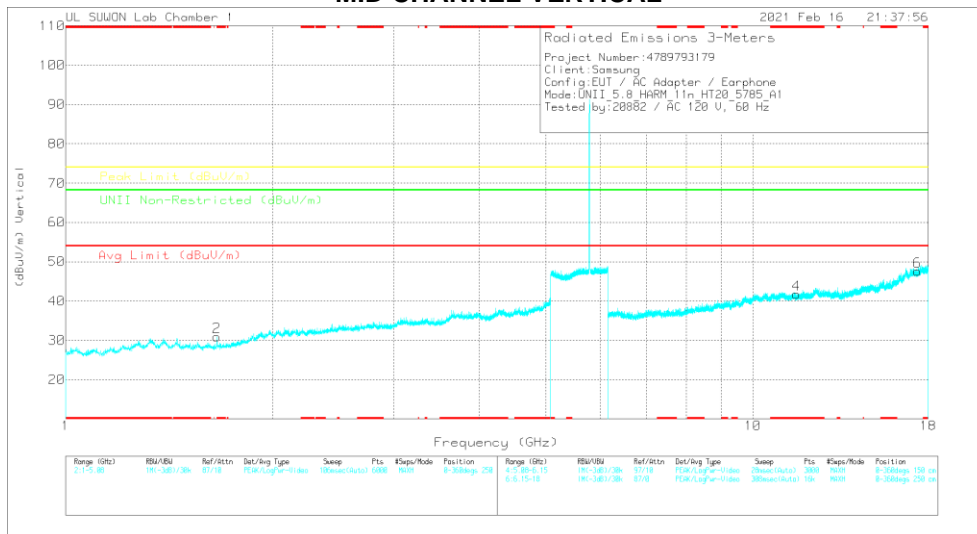
Frequency (GHz)	Meter Reading (dBuV)	Det	317_00168717	6GHz_HPSR	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 11.48984	34.42	PK-U	38.4	-22.2	0	50.62	-	74	-23.38	-	-	-	360	100	H
* 11.49278	34.73	PK-U	38.4	-22.2	0	50.93	-	74	-23.07	-	-	-	360	100	V
17.23364	33.87	PK-U	41.3	-17.5	0	57.67	-	-	-	-	68.2	-10.53	360	100	H
17.23237	33.42	PK-U	41.3	-17.5	0	57.22	-	-	-	-	68.2	-10.98	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

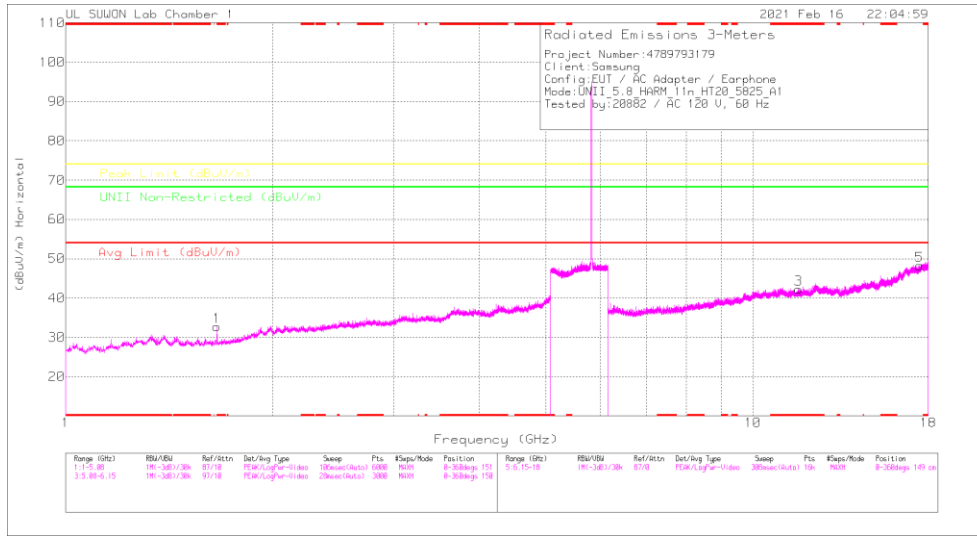
Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168717	5GHz_LPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitud (Degs)	Height (cm)	Polarity
1.65953	46.58	PK-U		-35.7	0	39.28	-	-	-	-	68.2	-28.92	360	100	H
1.6599	46.44	PK-U		-35.8	0	39.04	-	-	-	-	68.2	-29.16	360	100	V

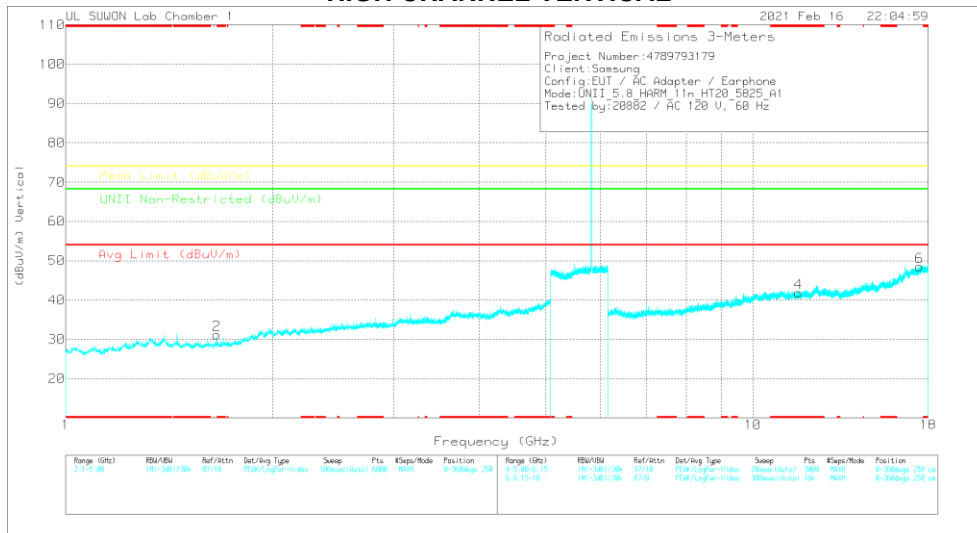
Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00168717	5GHz_LPF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limt (dBuV/m)	Margin (dB)	Peak Limt (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitud (Degs)	Height (cm)	Polarity
* 11.57874	35.03	PK-U		-22.2	0	51.13	-	-	74	-22.87	-	-	360	100	H
* 11.57899	34.61	PK-U		-22.2	0	50.71	-	-	74	-23.29	-	-	360	100	V
17.35428	33.89	PK-U		-17.6	0	57.49	-	-	-	-	68.2	-10.71	360	100	H
17.35424	33.54	PK-U		-17.6	0	57.14	-	-	-	-	68.2	-11.06	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)	Max Reading (dBuV)	Det	317_00168717	5GHz_LP[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)	Admth (Drops)	Height (cm)	Polarity
1.6595	46.62	PK-U	28.4	-35.7	0	39.32	-	-	-	-	68.2	-28.88	360	100	H
1.6599	46.66	PK-U	28.4	-35.8	0	39.26	-	-	-	-	68.2	-28.94	360	100	V

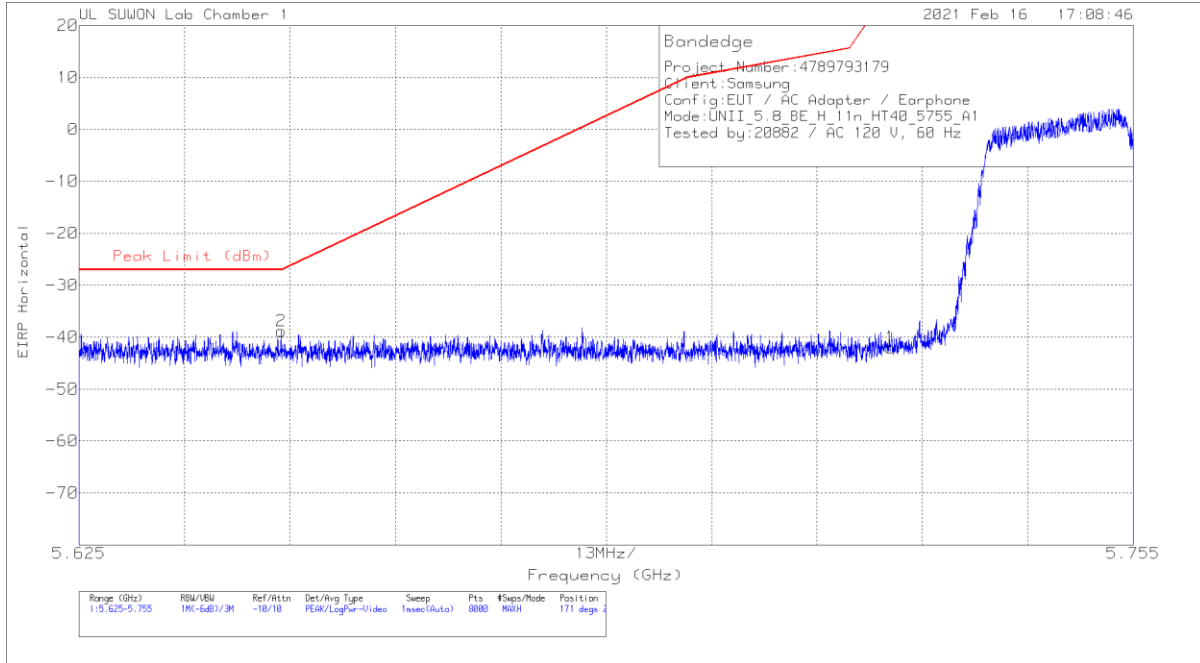
Frequency (GHz)	Max Reading (dBuV)	Det	317_00168717	5GHz_LP[S]	DC Corr (dB)	Corrected Reading (dBuV)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Admth (Drops)	Height (cm)	Polarity
* 11.64719	35.22	PK-U	38.3	-21.8	0	51.72	-	-	74	-22.28	-	-	360	100	H
* 11.64714	34.41	PK-U	38.3	-21.8	0	50.91	-	-	74	-23.09	-	-	360	100	V
17.47368	34.02	PK-U	41.2	-17.4	0	57.82	-	-	-	-	68.2	-10.38	360	100	H
17.47351	33.51	PK-U	41.2	-17.3	0	57.41	-	-	-	-	68.2	-10.79	360	100	V

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

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

#### BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK DATA



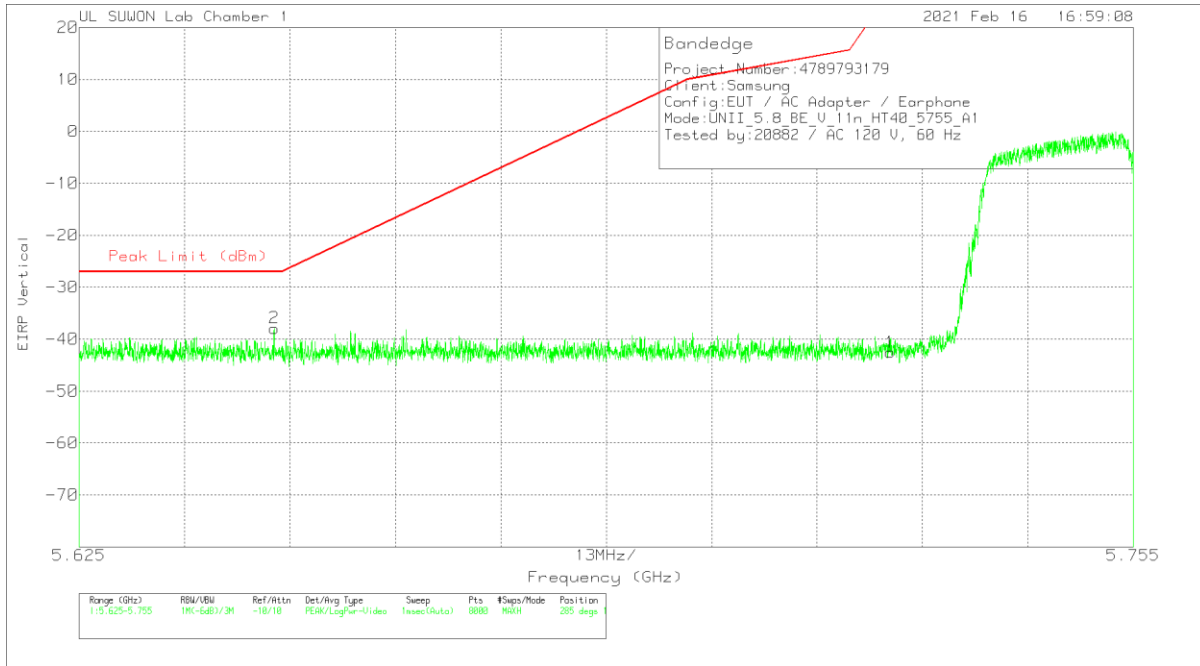
#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-67.81	Pk		-20.9	11.8	0	-42.01	27	-69.01	171	261	H
2	5.6499	-64.42	Pk		-21	11.8	0	-38.82	-27	-11.82	171	261	H

Pk - Peak detector



**VERTICAL PEAK DATA**



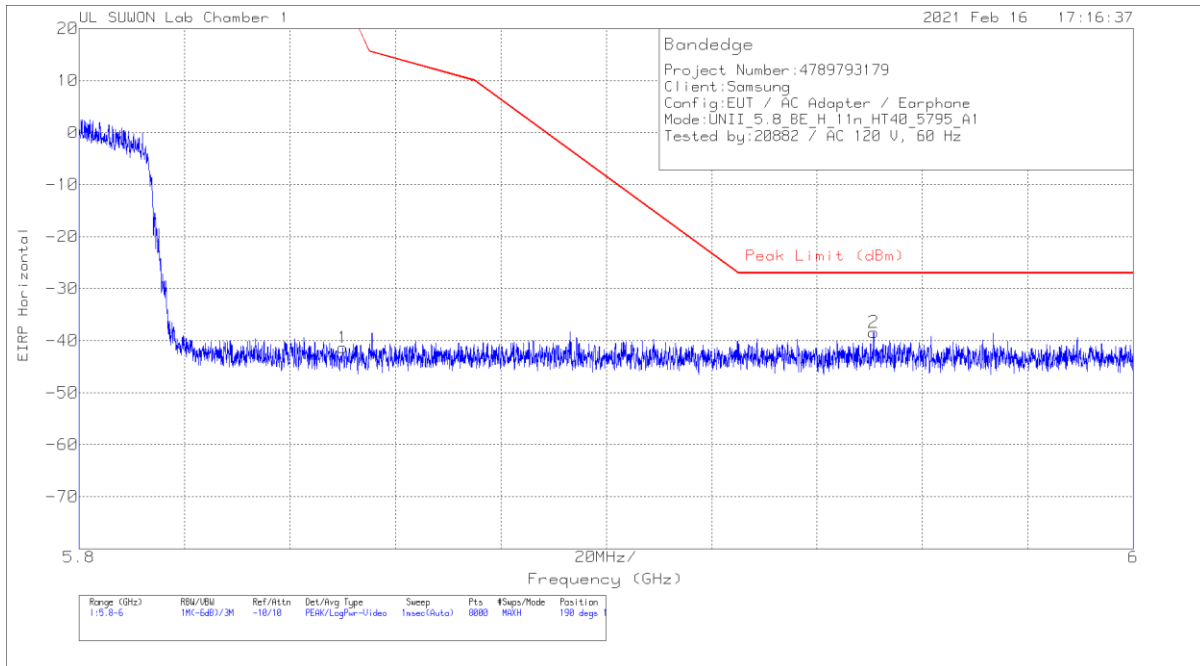
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.36	Pk	34.9	-20.9	11.8	0	-42.56	27	-69.56	285	100	V
2	5.64905	-63.58	Pk	34.8	-20.9	11.8	0	-37.88	-27	-10.88	285	100	V

PK - Peak detector

**BADEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK DATA**

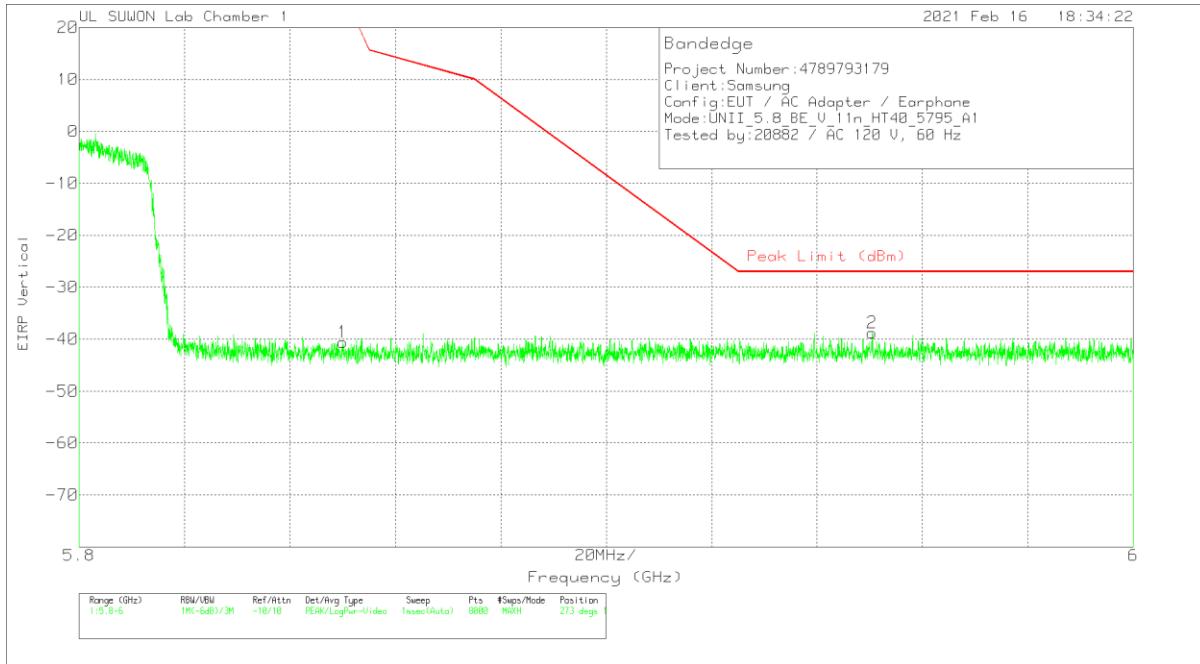


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-67.35	Pk	35.1	-20.9	11.8	0	-41.35	26.99	-68.34	190	100	H
2	5.95074	-64.7	Pk	35.2	-20.7	11.8	0	-38.4	-27	-11.4	190	100	H

Pk - Peak detector

**VERTICAL PEAK DATA**



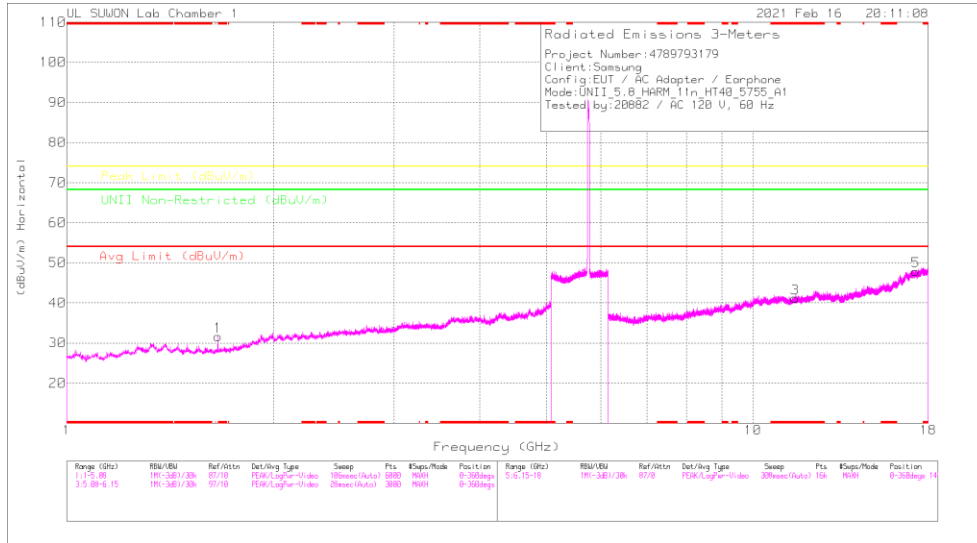
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-66.59	Pk	35.1	-20.9	11.8	0	-40.59	26.99	-67.58	273	128	V
2	5.95047	-65.08	Pk	35.2	-20.7	11.8	0	-38.78	-27	-11.78	273	128	V

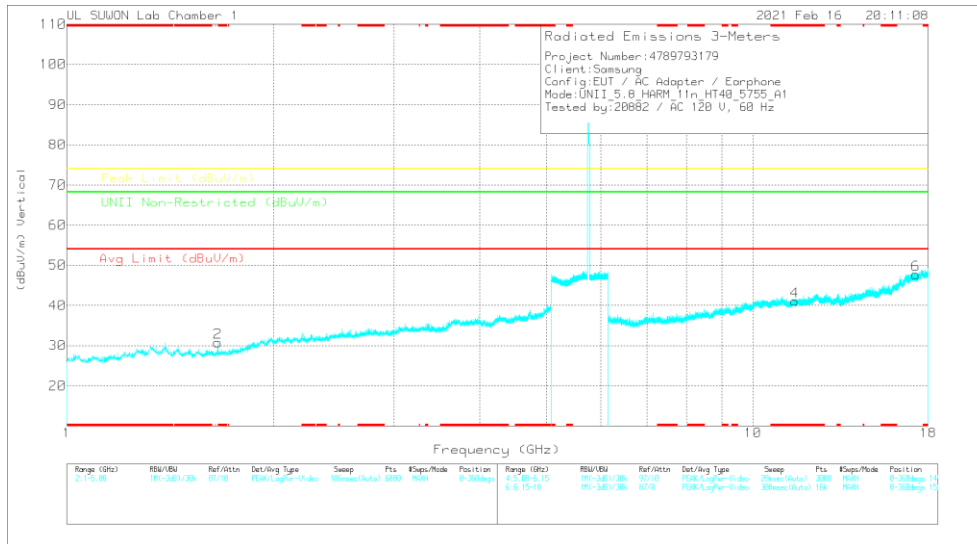
PK - Peak detector

**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.

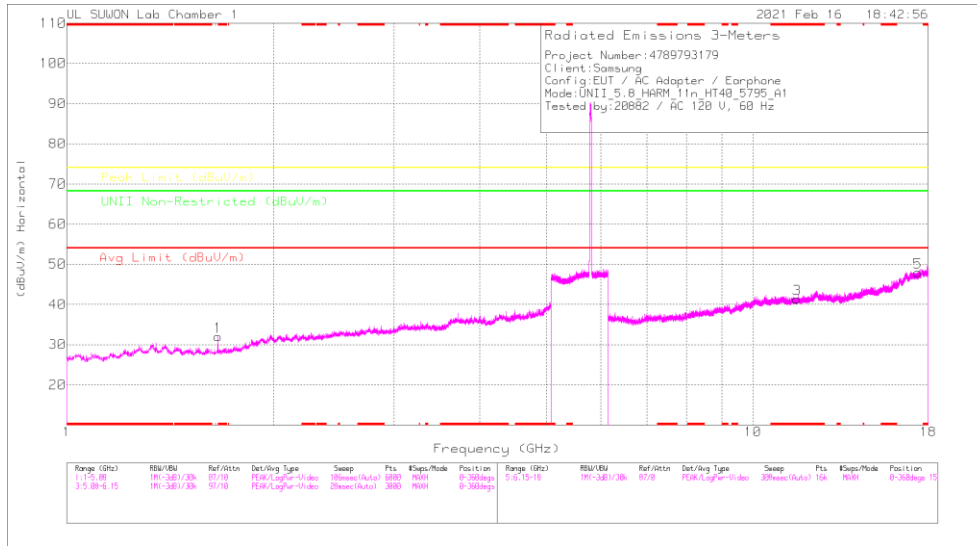
**LOW CHANNEL DATA**

**Radiated Emissions**

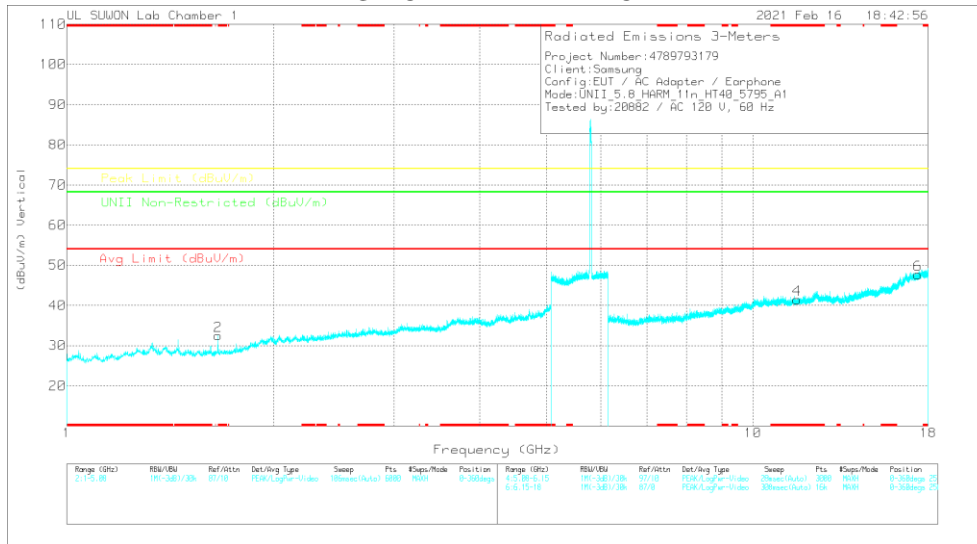
Frequency (GHz)	Max Reading (dBuV)	Det	3117_00168717	5GHz_LFdB	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Meters)	Height (m)	Polarity
1.65981	46.02	PK-U	28.4	-35.8	0	38.62	-	-	-	-	68.2	-29.58	360	100	H
1.65984	45.78	PK-U	28.4	-35.8	0	38.38	-	-	-	-	68.2	-29.82	360	100	V
11.5128	34.74	PK-U	38.3	-22.4	0	50.64	-	-	74	-23.36	-	-	360	100	H
11.51582	34.09	PK-U	38.3	-22.4	0	49.99	-	-	74	-24.01	-	-	360	100	V
17.26851	33	PK-U	41.2	-17.5	0	56.7	-	-	-	-	68.2	-11.5	360	100	H
17.26984	32.77	PK-U	41.2	-17.5	0	56.47	-	-	-	-	68.2	-11.73	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)	Max Reading (dBuV)	Det	3117_0168717	5GHz_LF(5B)	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 (m)	Height (m)	Polarity
1.65965	46.16	PK-U	28.4	-35.7	0	38.96	-	-	-	-	68.2	-29.34	360	100	H
1.65994	45.96	PK-U	28.4	-35.8	0	38.56	-	-	-	-	68.2	-29.64	360	100	V

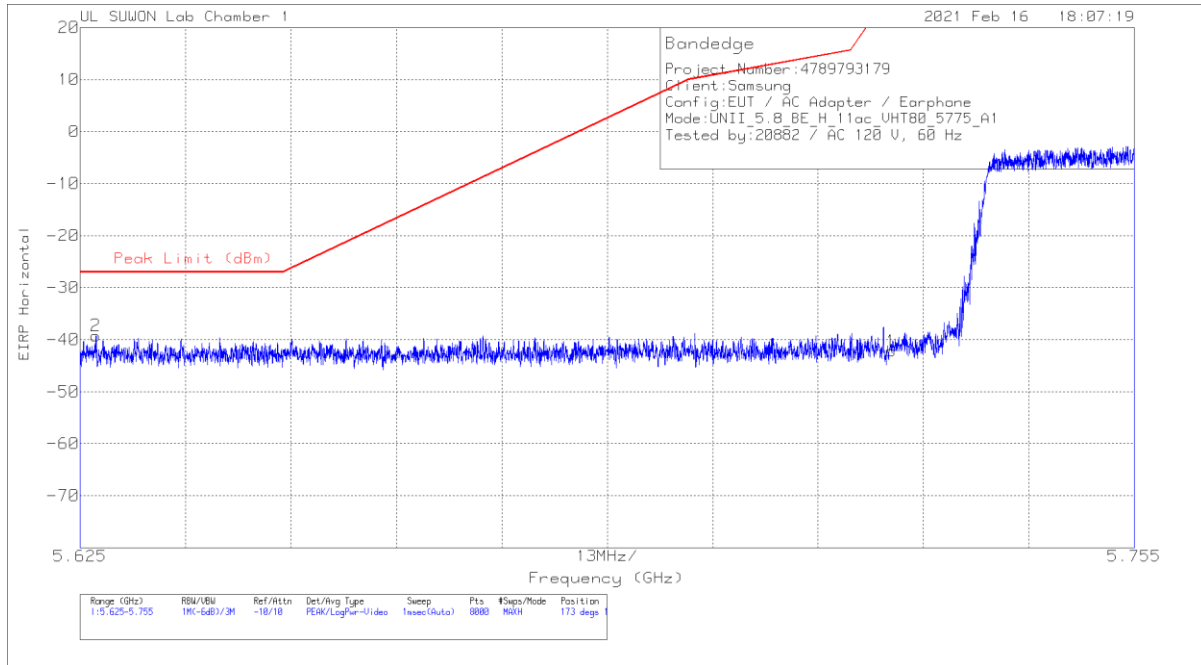
Frequency (GHz)	Max Reading (dBuV)	Det	3117_00168717	6GHz_HF(5B)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (m)	Height (m)	Polarity
* 11.59253	34.09	PK-U	38.3	-22.1	0	50.29	-	74	-	-23.71	-	-	360	100	H
* 11.59064	34.07	PK-U	38.3	-22.2	0	50.17	-	-	74	-23.83	-	-	360	100	V
17.39215	33.31	PK-U	41.2	-17.7	0	56.81	-	-	-	-	68.2	-11.39	360	100	H
17.38918	33.15	PK-U	41.2	-17.7	0	56.65	-	-	-	-	68.2	-11.55	360	100	V

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

**11.4.4. TX ABOVE 1GHz 802.11ac VHT80 1Tx MODE IN THE 5.8GHz BAND**

**BANDEDGE (Lower side)**

**HORIZONTAL PEAK DATA**

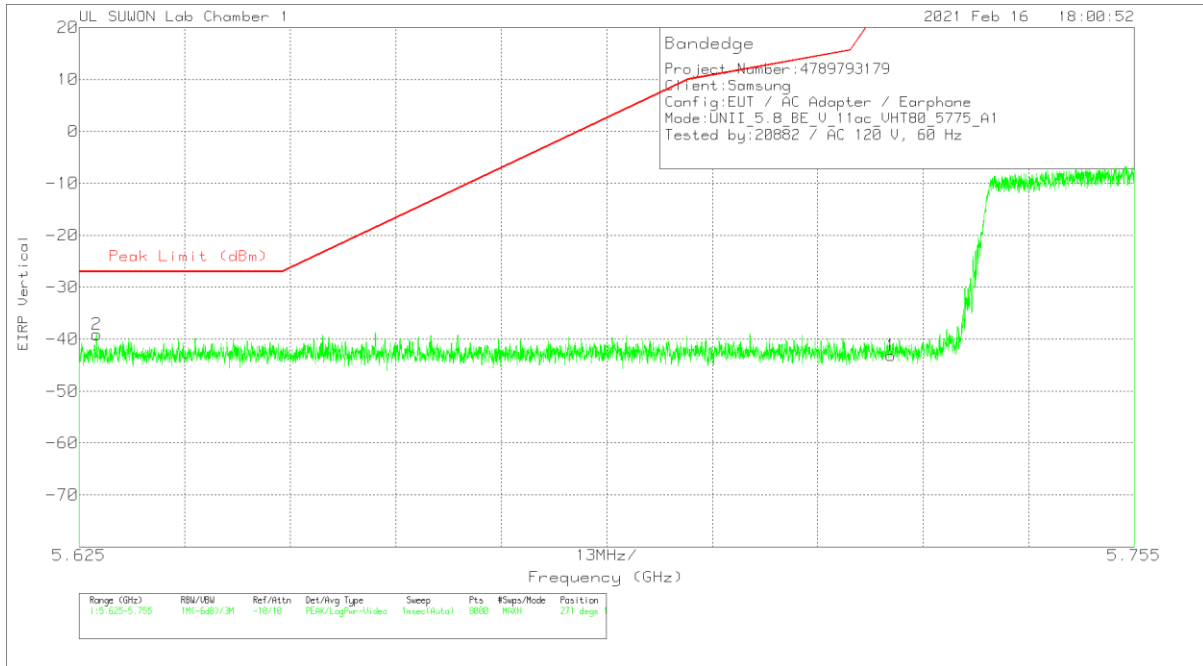


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68	Pk	34.9	-20.9	11.8	0	-42.2	27	-69.2	173	101	H
2	5.62695	-64.76	Pk	34.7	-21	11.8	0	-39.26	-27	-12.26	173	101	H

Pk - Peak detector

**VERTICAL PEAK DATA**



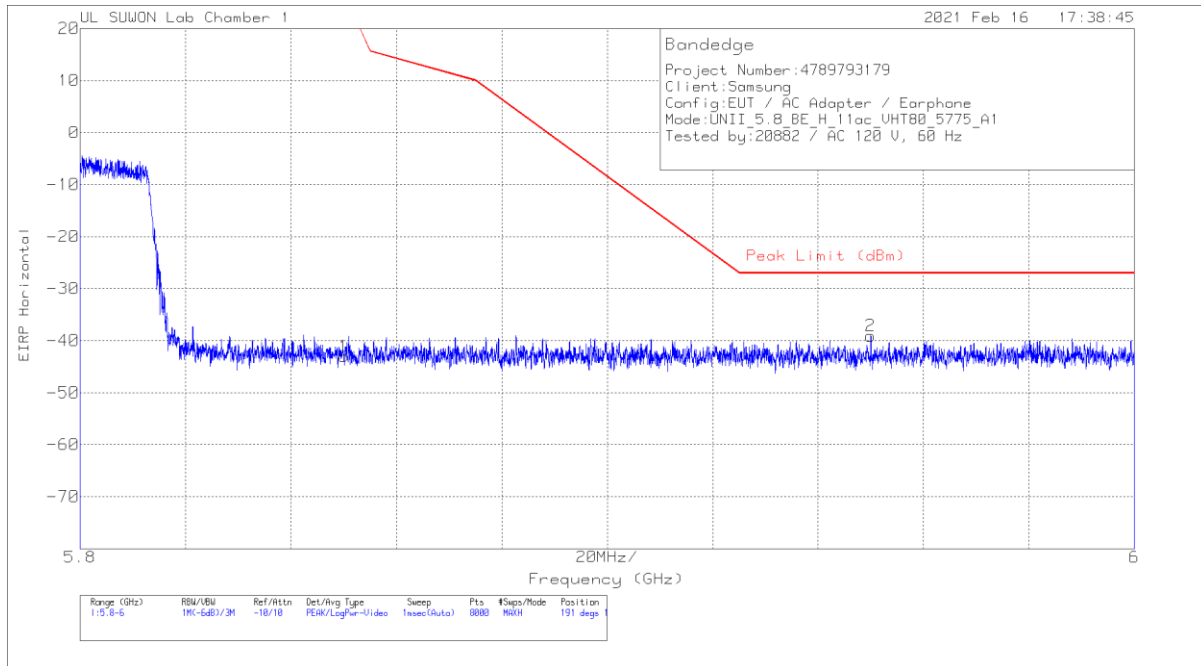
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.93	Pk	34.9	-20.9	11.8	0	-43.13	27	-70.13	271	111	V
2	5.62713	-64.58	Pk	34.7	-21	11.8	0	-39.08	-27	-12.08	271	111	V

PK - Peak detector

**BANDEDGE (Upper side)**

**HORIZONTAL PEAK DATA**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-69.03	Pk	35.1	-20.9	11.8	0	-43.03	26.99	-70.02	191	100	H
2	5.94999	-65.38	Pk	35.2	-20.7	11.8	0	-39.08	-27	-12.08	191	100	H

Pk - Peak detector