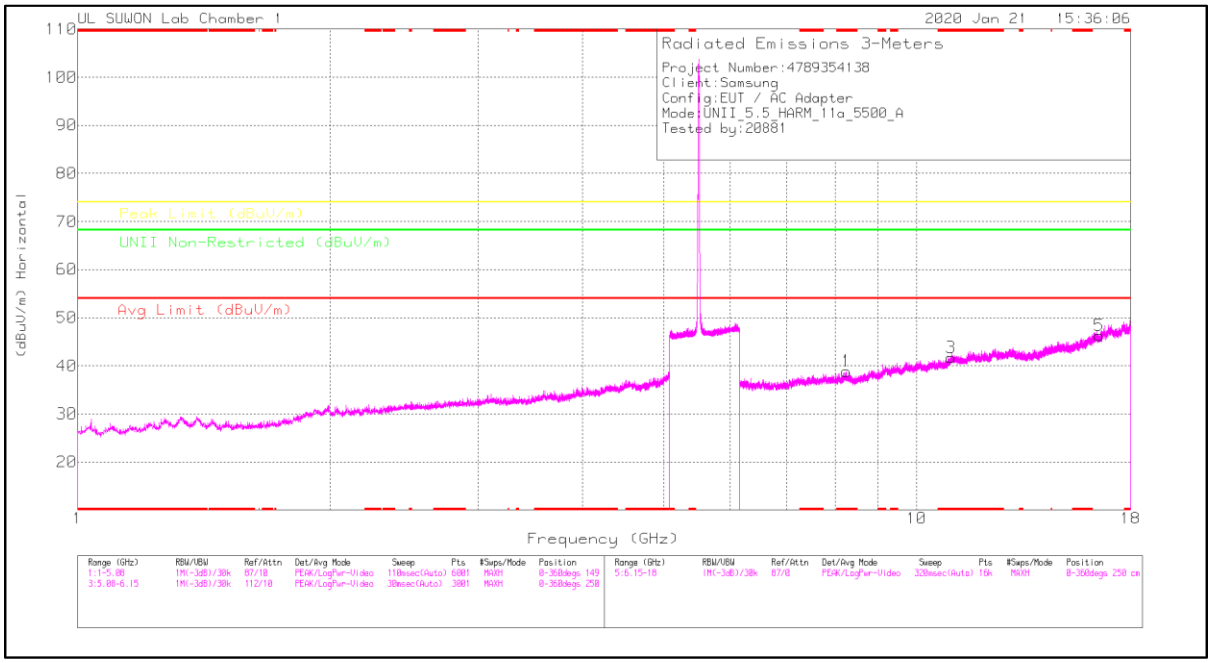
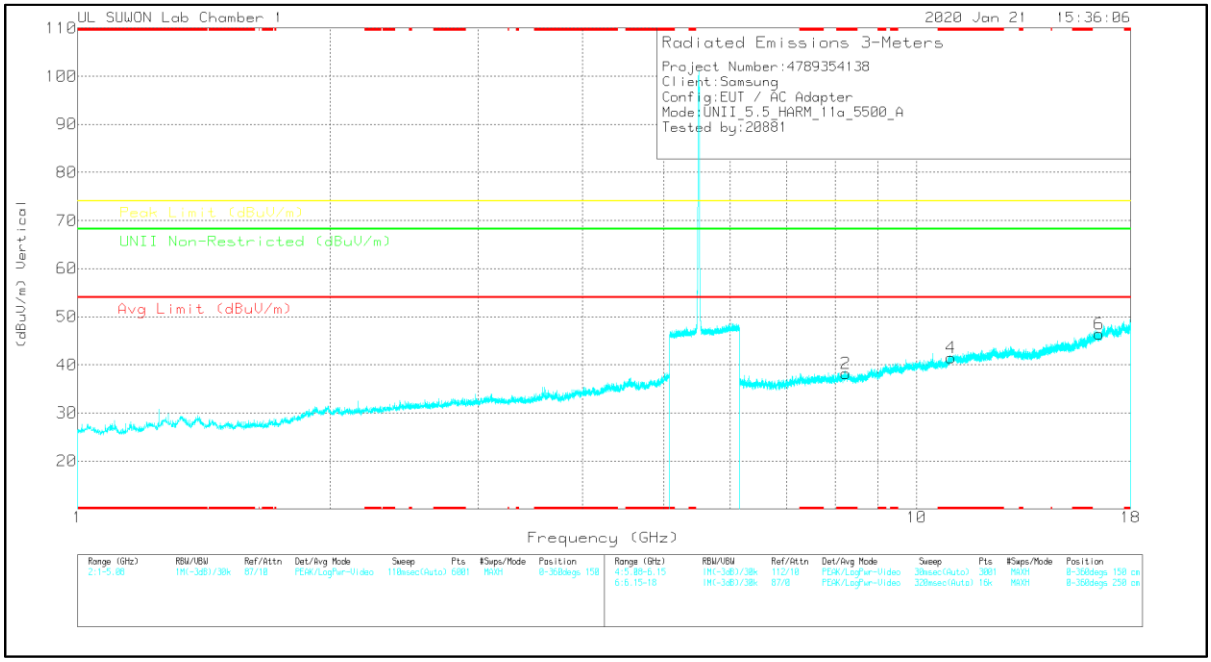
HARMONICS AND SPURIOUS EMISSIONS

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.

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LOW CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
* 8.25443	36.89	PK-U	36.4	-25.4	0	47.89	-	-	74	-26.11	-	-	0	100	H
* 8.25339	37.71	PK-U	36.4	-25.5	0	48.61	-	-	74	-25.39	-	-	0	100	V
* 10.9997	35.07	PK-U	38.2	-21.9	0	51.37	-	-	74	-22.63	-	-	0	100	H
* 10.99954	35.63	PK-U	38.2	-21.9	0	51.93	-	-	74	-22.07	-	-	0	100	V
16.50572	34.45	PK-U	40.9	-19.5	0	55.85	-	-	-	-	68.2	-12.35	0	100	H
16.50347	34.87	PK-U	40.9	-19.7	0	56.07	-	-	-	-	68.2	-12.13	0	100	V

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

PK-U - U-NII: Maximum Peak

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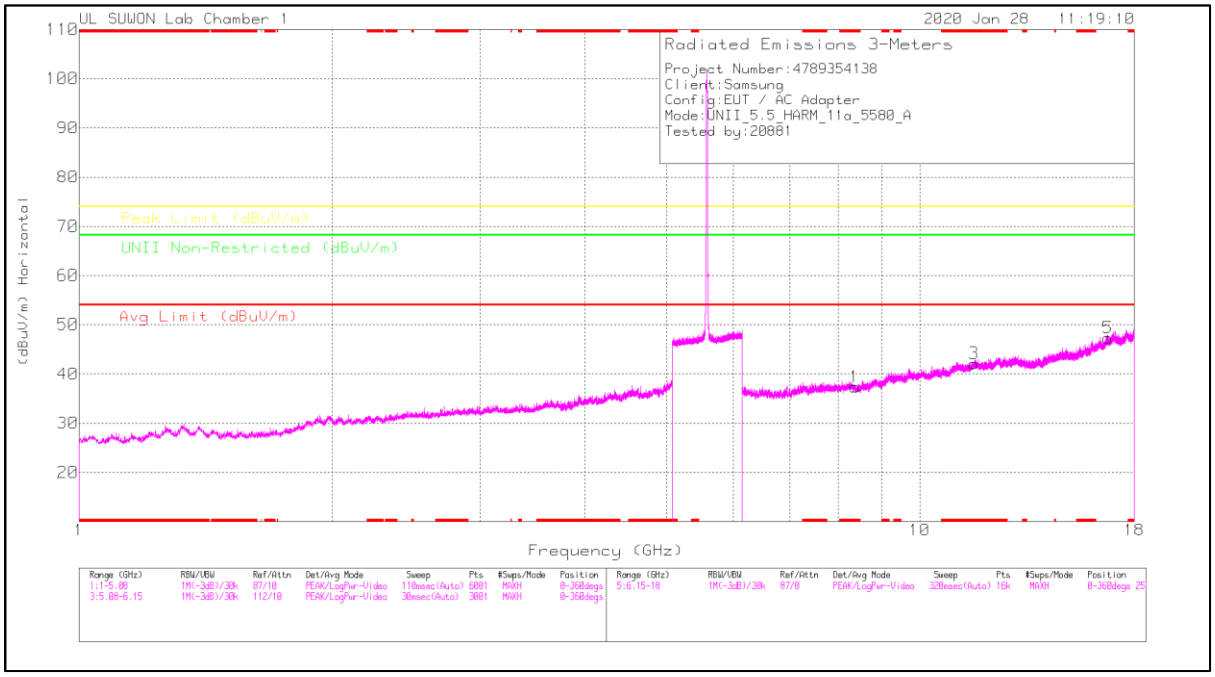
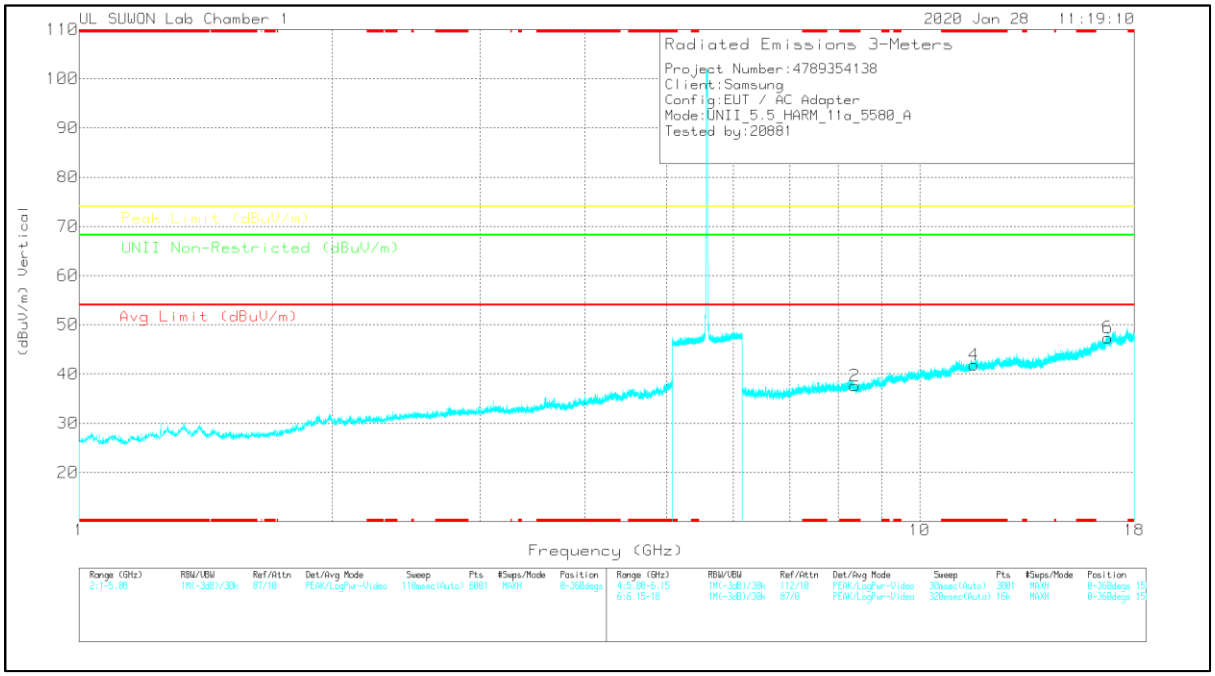
MID CHANNEL HORIZONTAL



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.

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MID CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
* 8.37027	37.66	PK-U	36.3	-25.7	0	48.26	-	-	74	-25.74	-	-	0	100	H
* 8.37058	38.32	PK-U	36.3	-25.7	0	48.92	-	-	74	-25.08	-	-	0	100	V
* 11.60455	35.46	PK-U	38.6	-22	0	52.06	-	-	74	-21.94	-	-	0	100	H
* 11.60681	35.61	PK-U	38.6	-22	0	52.21	-	-	74	-21.79	-	-	0	100	V
16.74487	34.32	PK-U	41.3	-18.1	0	57.52	-	-	-	-	68.2	-10.68	0	100	H
16.74327	33.86	PK-U	41.3	-18.1	0	57.06	-	-	-	-	68.2	-11.14	0	100	V

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

PK-U - U-NII: Maximum Peak

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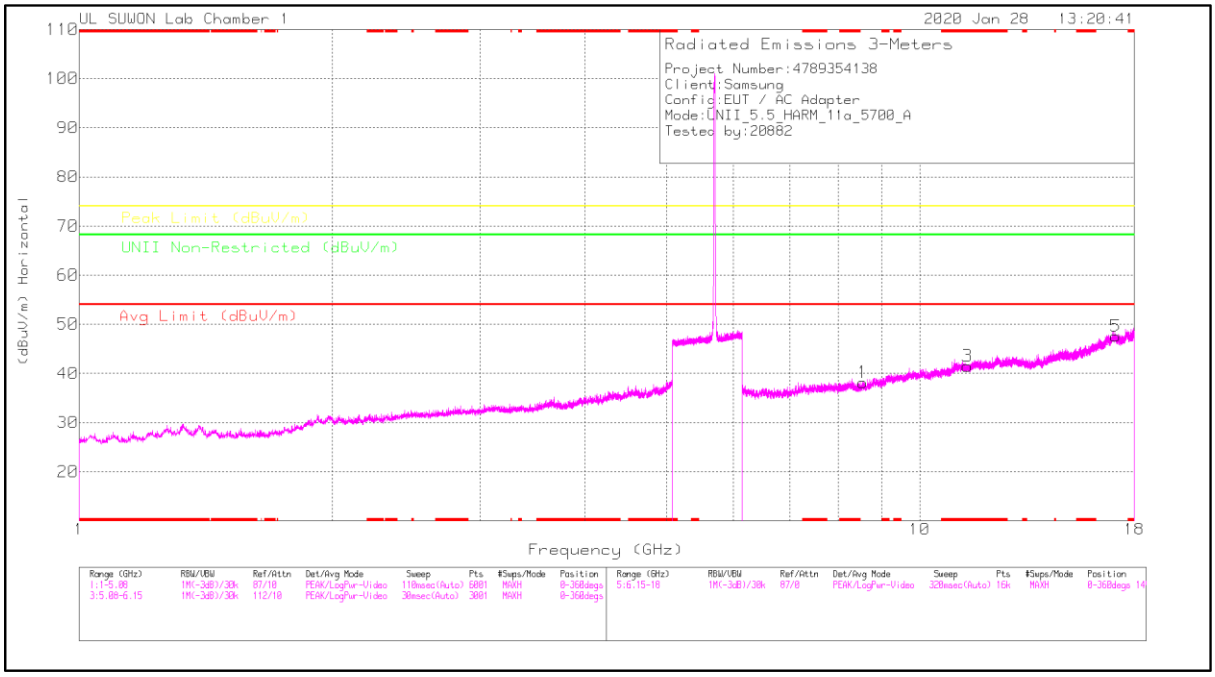
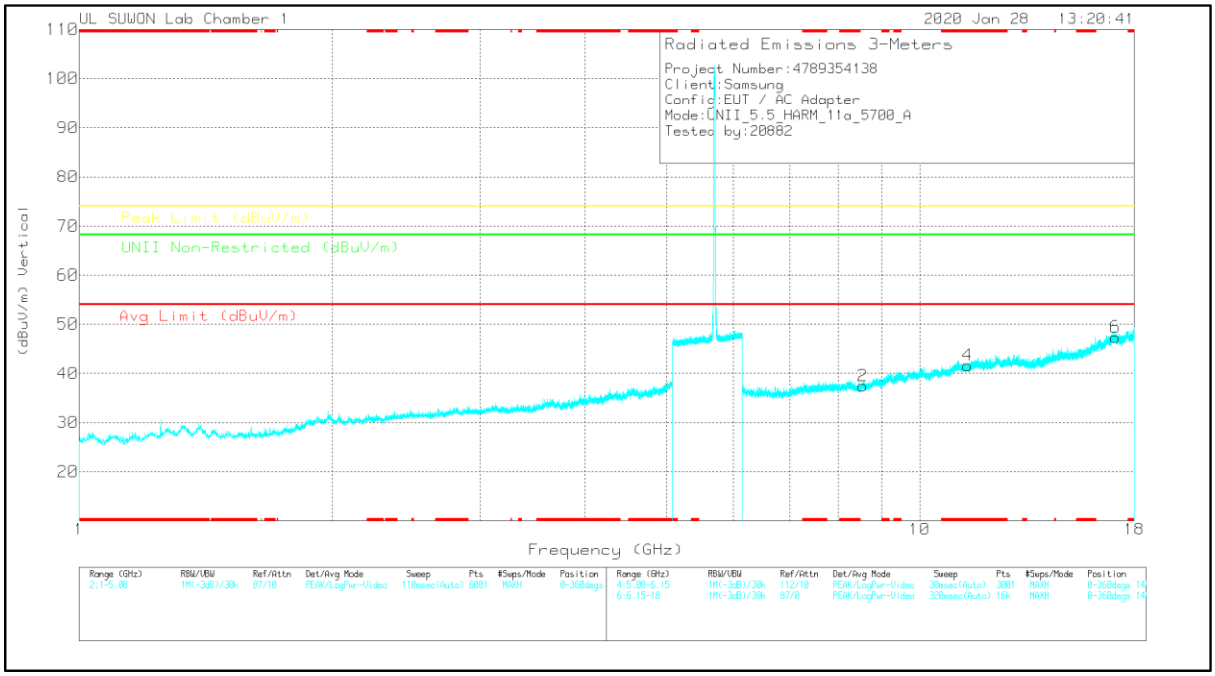
HIGH CHANNEL HORIZONTAL



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.

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HIGH CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
8.55152	37.13	PK-U	36.3	-25	0	48.43	-	-	-	-	68.2	-19.77	0	100	H
8.55244	37.25	PK-U	36.3	-24.9	0	48.65	-	-	-	-	68.2	-19.55	0	100	V
* 11.39308	35.7	PK-U	38.4	-22.3	0	51.8	-	-	74	-22.2	-	-	0	100	H
* 11.39343	36.06	PK-U	38.4	-22.3	0	52.16	-	-	74	-21.84	-	-	0	100	V
17.10107	33.68	PK-U	41.6	-17.6	0	57.68	-	-	-	-	68.2	-10.52	0	100	H
17.10438	33.4	PK-U	41.6	-17.7	0	57.3	-	-	-	-	68.2	-10.9	0	100	V

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

PK-U - U-NII: Maximum Peak

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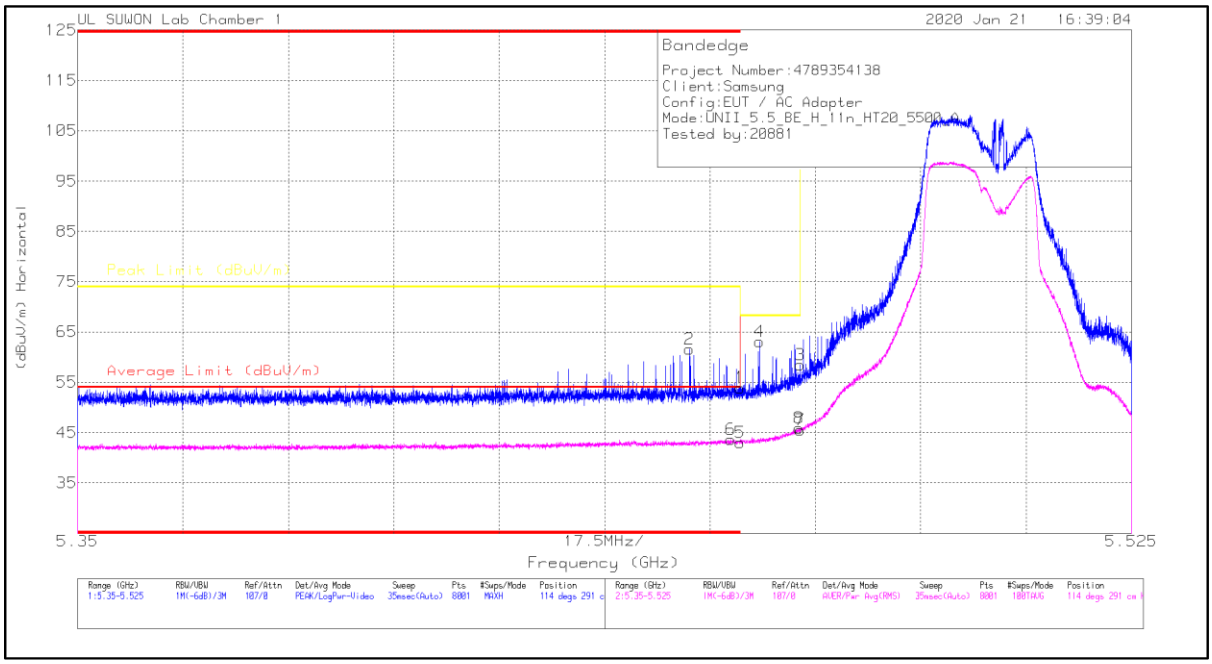
11.3.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.5GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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	* 5.45999	40.63	Pk	34.7	-21.4	0	53.93	-	-	74	-20.07	114	291	H
2	* 5.45157	48.39	Pk	34.7	-21.5	0	61.59	-	-	74	-12.41	114	291	H
3	5.46998	45.31	Pk	34.7	-21.5	0	58.51	-	-	68.2	-9.69	114	291	H
4	5.46318	49.75	Pk	34.7	-21.4	0	63.05	-	-	68.2	-5.15	114	291	H
5	* 5.45999	29.77	RMS	34.7	-21.4	0	43.07	54	-10.93	-	-	114	291	H
6	* 5.45846	30.47	RMS	34.7	-21.5	0	43.67	54	-10.33	-	-	114	291	H
7	5.46998	32.37	RMS	34.7	-21.5	0	45.57	-	-	-	-	114	291	H
8	5.46979	32.74	RMS	34.7	-21.5	0	45.94	-	-	-	-	114	291	H

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

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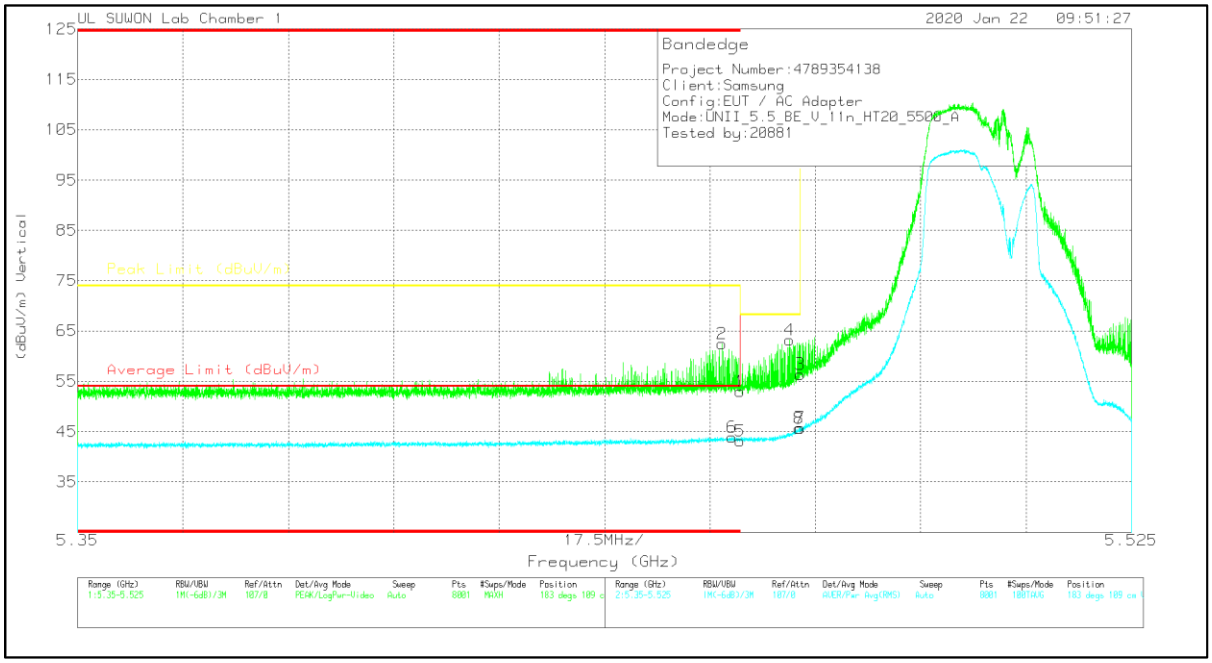
VERTICAL PEAK AND AVERAGE DATA



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	* 5.45999	39.72	Pk	34.7	-21.4	0	53.02	-	-	74	-20.98	183	109	V
2	* 5.45697	49.16	Pk	34.7	-21.4	0	62.46	-	-	74	-11.54	183	109	V
3	5.46998	43.22	Pk	34.7	-21.5	0	56.42	-	-	68.2	-11.78	183	109	V
4	5.46826	50.01	Pk	34.7	-21.5	0	63.21	-	-	68.2	-4.99	183	109	V
5	* 5.45999	29.86	RMS	34.7	-21.4	0	43.16	54	-10.84	-	-	183	109	V
6	* 5.45861	30.72	RMS	34.7	-21.5	0	43.92	54	-10.08	-	-	183	109	V
7	5.46998	32.51	RMS	34.7	-21.5	0	45.71	-	-	-	-	183	109	V
8	5.46977	32.46	RMS	34.7	-21.5	0	45.66	-	-	-	-	183	109	V

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

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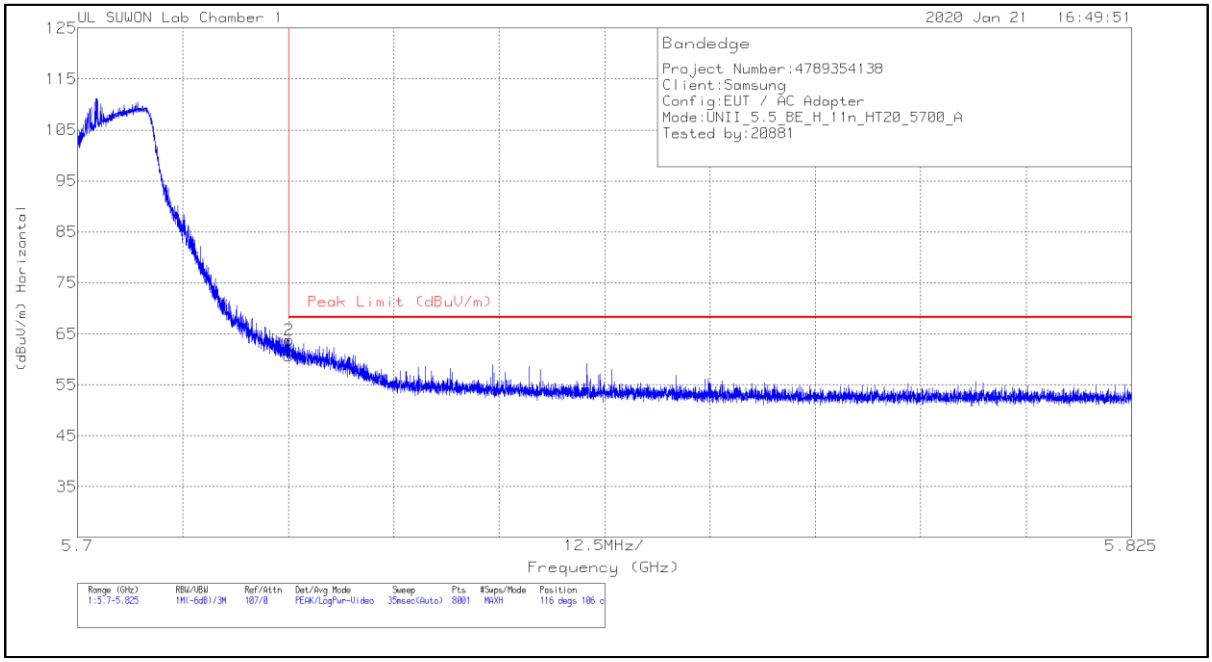
AUTHORIZED BANDEDGE (HIGH CHANNEL)

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	5.72502	46.97	Pk	34.8	-21.1	0	60.67	68.2	-7.53	116	106	H
2	5.72509	50.04	Pk	34.8	-21.1	0	63.74	68.2	-4.46	116	106	H

Pk - Peak detector

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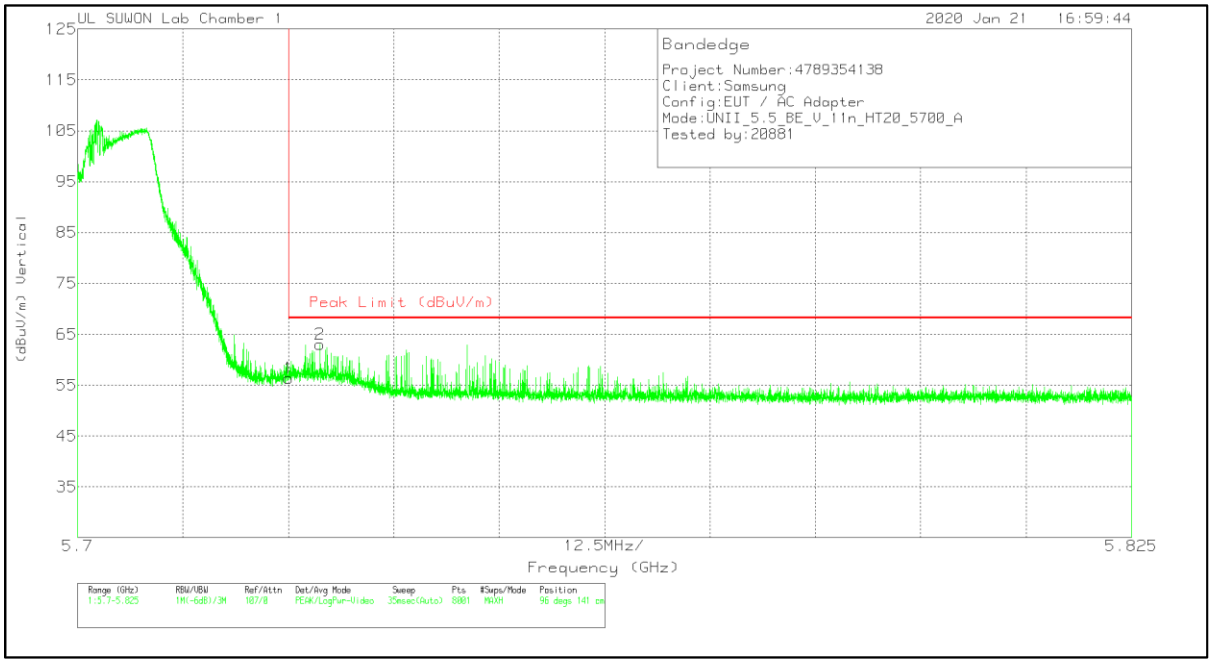
VERTICAL PEAK AND AVERAGE DATA



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	5.72502	42.65	Pk	34.8	-21.1	0	56.35	68.2	-11.85	96	141	V
2	5.72877	49.35	Pk	34.8	-21.1	0	63.05	68.2	-5.15	96	141	V

Pk - Peak detector

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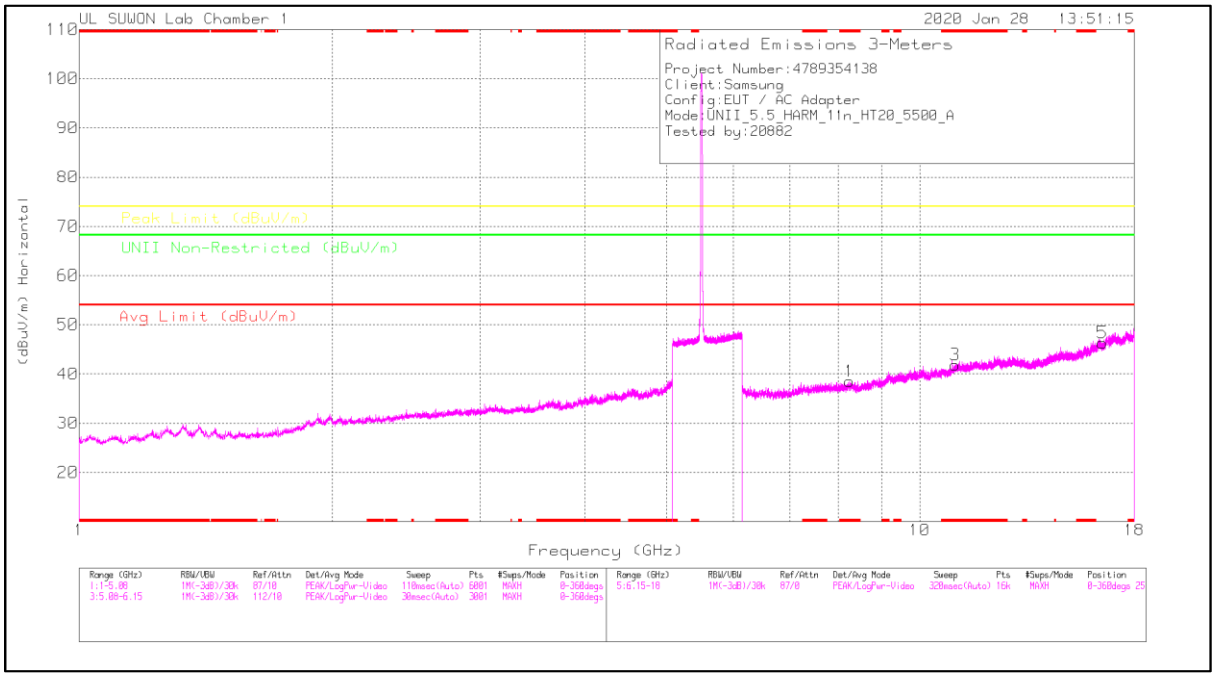
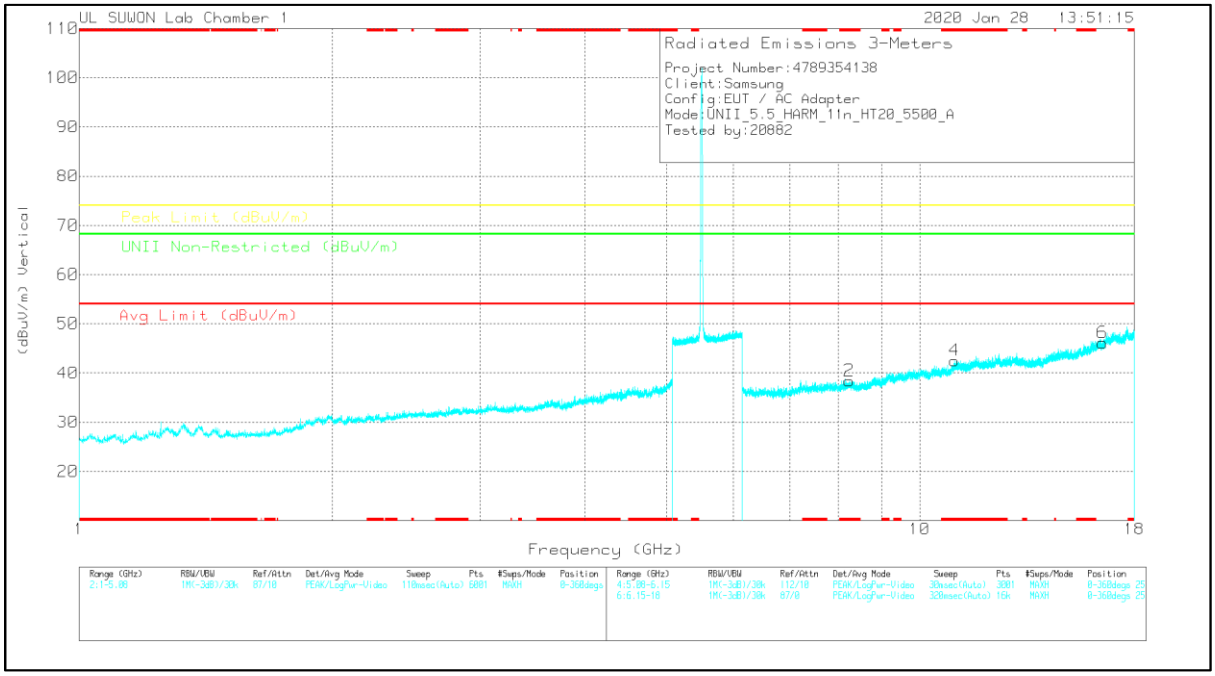
HARMONICS AND SPURIOUS EMISSIONS

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.

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LOW CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
* 8.25524	37.16	PK-U	36.4	-25.4	0	48.16	-	-	74	-25.84	-	-	0	100	H
* 8.25343	37.57	PK-U	36.4	-25.5	0	48.47	-	-	74	-25.53	-	-	0	100	V
* 11.01794	35.54	PK-U	38.2	-21.8	0	51.94	-	-	74	-22.06	-	-	0	100	H
* 11.01596	35.69	PK-U	38.2	-21.8	0	52.09	-	-	74	-21.91	-	-	0	100	V
16.49756	34.7	PK-U	40.9	-19.7	0	55.9	-	-	-	-	68.2	-12.3	0	100	H
16.49614	35.44	PK-U	40.9	-19.7	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

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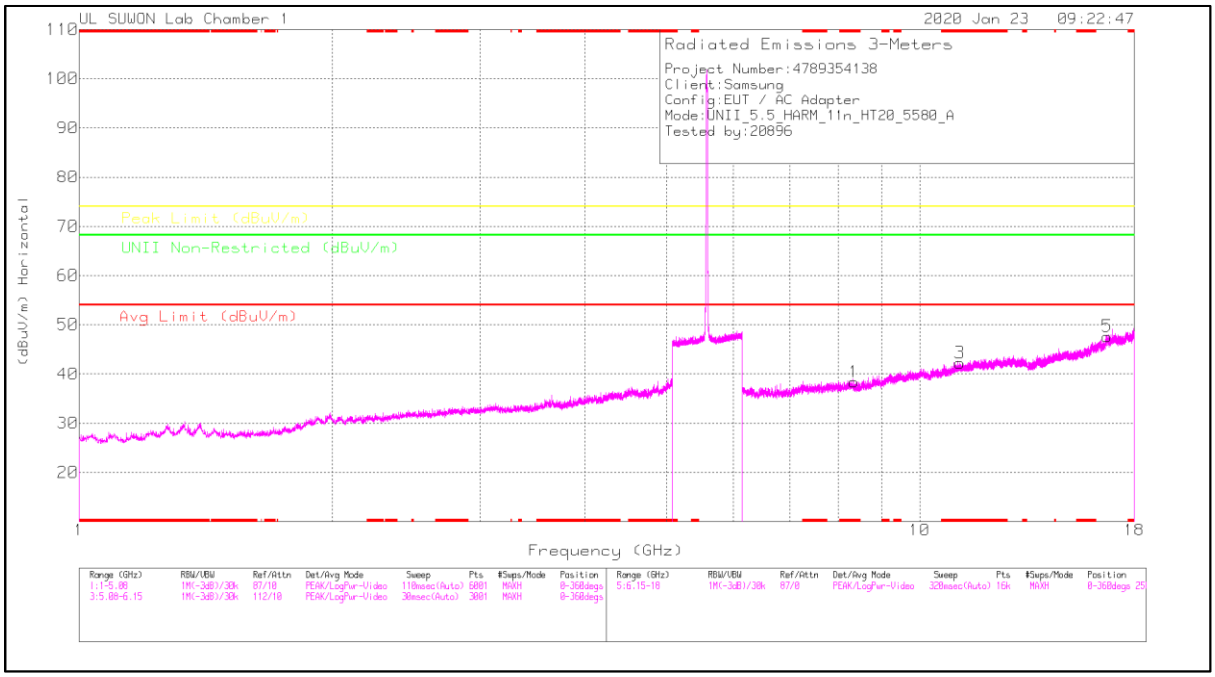
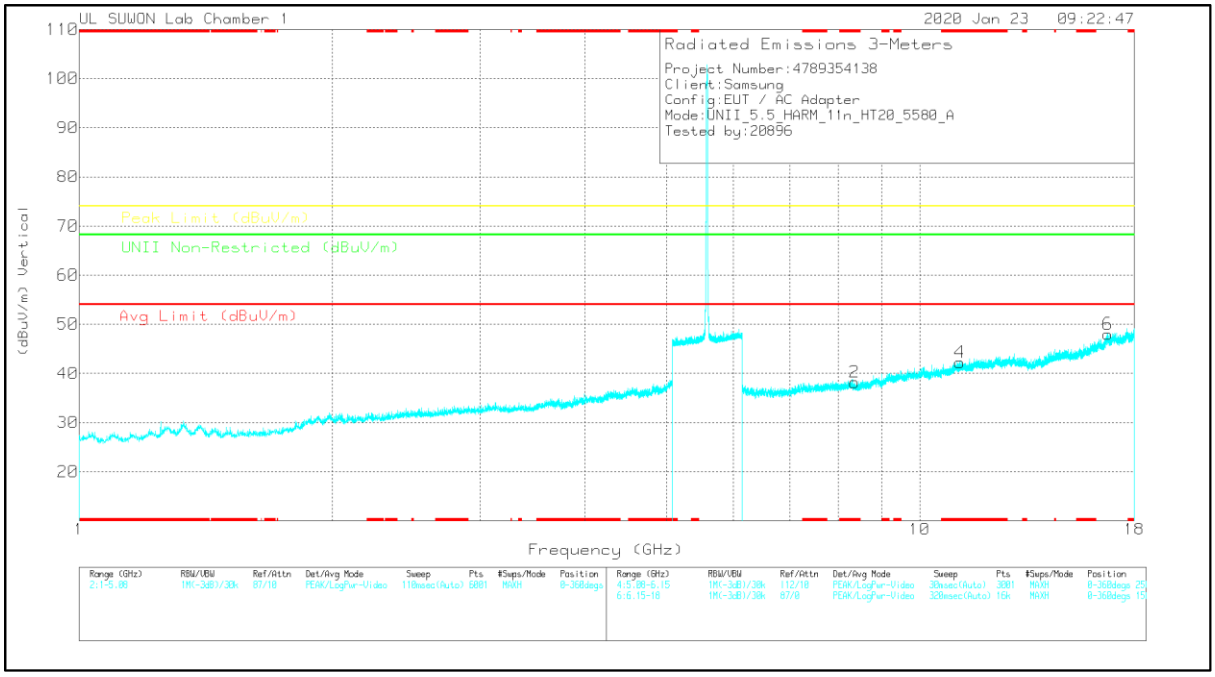
MID CHANNEL HORIZONTAL



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.

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MID CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
* 8.34642	37.32	PK-U	36.3	-25.4	0	48.22	-	-	74	-25.78	-	-	0	100	H
* 8.34942	37.07	PK-U	36.3	-25.4	0	47.97	-	-	74	-26.03	-	-	0	100	V
* 11.1616	36.32	PK-U	38.3	-22.6	0	52.02	-	-	74	-21.98	-	-	0	100	H
* 11.15922	36.13	PK-U	38.3	-22.6	0	51.83	-	-	74	-22.17	-	-	0	100	V
16.72062	34	PK-U	41.2	-18	0	57.2	-	-	-	-	68.2	-11	0	100	H
16.72273	34	PK-U	41.3	-18	0	57.3	-	-	-	-	68.2	-10.9	0	100	V

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

PK-U - U-NII: Maximum Peak

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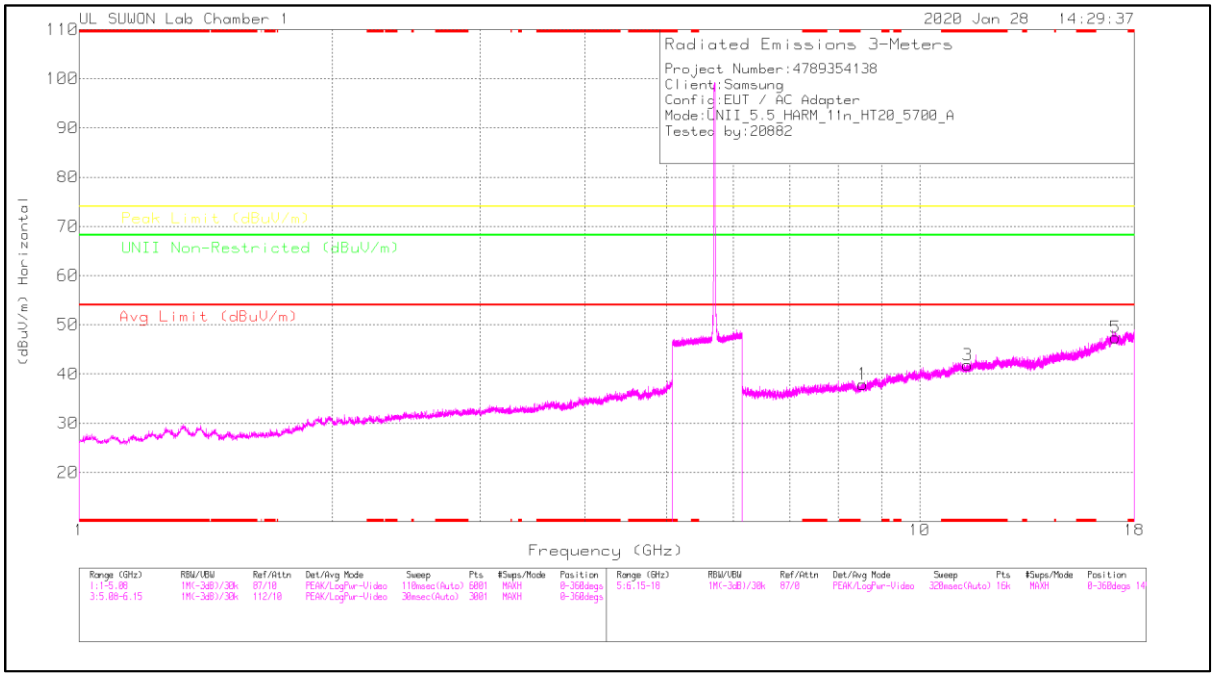
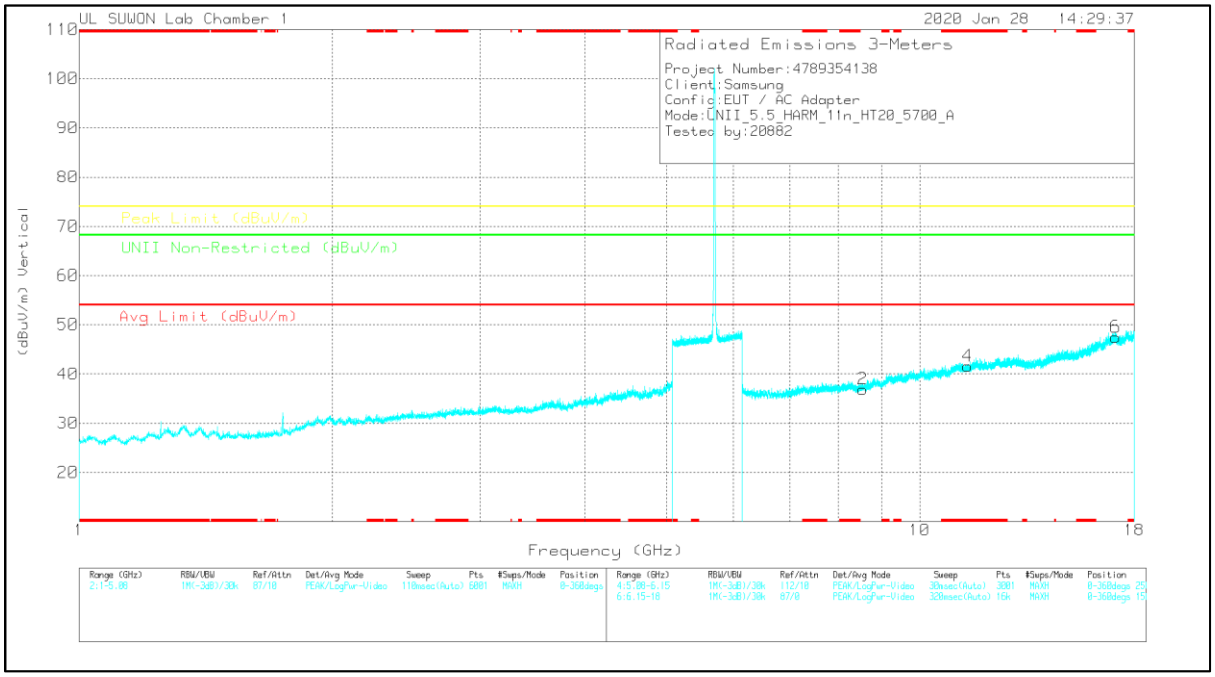
HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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HIGH CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
8.55163	37.23	PK-U	36.3	-25	0	48.53	-	-	-	-	68.2	-19.67	0	100	H
8.54901	37.17	PK-U	36.3	-25	0	48.47	-	-	-	-	68.2	-19.73	0	100	V
* 11.4018	35.65	PK-U	38.5	-22.3	0	51.85	-	-	74	-22.15	-	-	0	100	H
* 11.40444	36.24	PK-U	38.5	-22.3	0	52.44	-	-	74	-21.56	-	-	0	100	V
17.09939	33.79	PK-U	41.6	-17.6	0	57.79	-	-	-	-	68.2	-10.41	0	100	H
17.09959	33.46	PK-U	41.6	-17.7	0	57.36	-	-	-	-	68.2	-10.84	0	100	V

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

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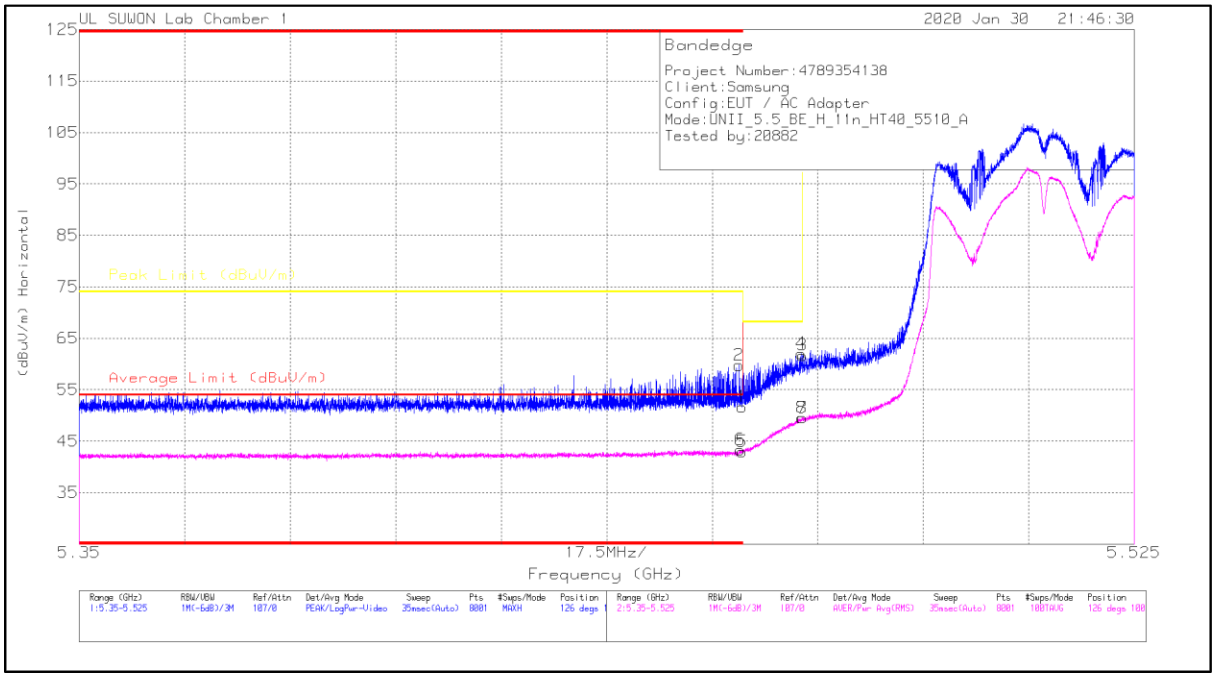
11.3.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.5GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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	* 5.45999	38.38	Pk	34.7	-21.4	0	51.68	-	-	74	-22.32	126	100	H
2	* 5.4594	46.58	Pk	34.7	-21.5	0	59.78	-	-	74	-14.22	126	100	H
3	5.46998	48.51	Pk	34.7	-21.5	0	61.71	-	-	68.2	-6.49	126	100	H
4	5.46972	48.84	Pk	34.7	-21.5	0	62.04	-	-	68.2	-6.16	126	100	H
5	* 5.45999	29.68	RMS	34.7	-21.4	0	42.98	54	-11.02	-	-	126	100	H
6	* 5.45966	30.15	RMS	34.7	-21.5	0	43.35	54	-10.65	-	-	126	100	H
7	5.46998	36.34	RMS	34.7	-21.5	0	49.54	-	-	-	-	126	100	H
8	5.4699	36.33	RMS	34.7	-21.5	0	49.53	-	-	-	-	126	100	H

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

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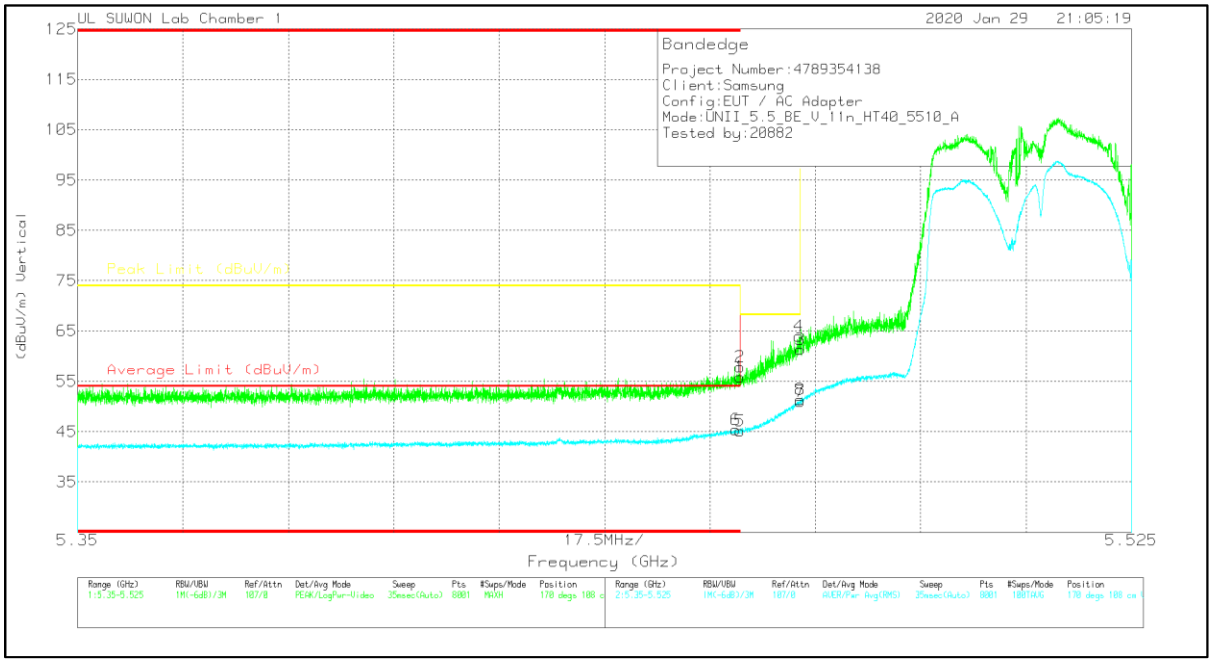
VERTICAL PEAK AND AVERAGE DATA



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	* 5.45999	42.55	Pk	34.7	-21.4	0	55.85	-	-	74	-18.15	170	108	V
2	* 5.45997	44.61	Pk	34.7	-21.4	0	57.91	-	-	74	-16.09	170	108	V
3	5.46998	48.16	Pk	34.7	-21.5	0	61.36	-	-	68.2	-6.84	170	108	V
4	5.46974	50.75	Pk	34.7	-21.5	0	63.95	-	-	68.2	-4.25	170	108	V
5	* 5.45999	31.82	RMS	34.7	-21.4	0	45.12	54	-8.88	-	-	170	108	V
6	* 5.45927	32.24	RMS	34.7	-21.5	0	45.44	54	-8.56	-	-	170	108	V
7	5.46998	37.86	RMS	34.7	-21.5	0	51.06	-	-	-	-	170	108	V
8	5.46996	38.2	RMS	34.7	-21.5	0	51.4	-	-	-	-	170	108	V

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

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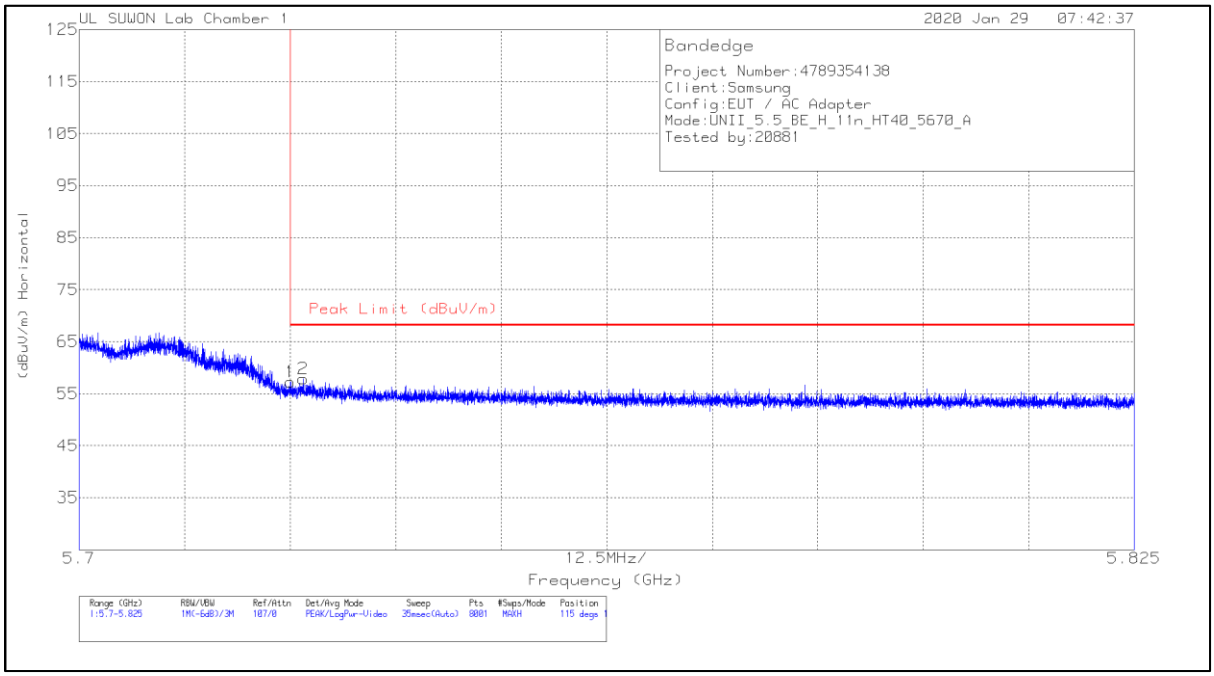
BANDEDGE (HIGH CHANNEL)

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	5.72502	43.54	Pk	34.8	-21.1	0	57.24	68.2	-10.96	115	100	H
2	5.72653	44.16	Pk	34.8	-21.1	0	57.86	68.2	-10.34	115	100	H

Pk - Peak detector

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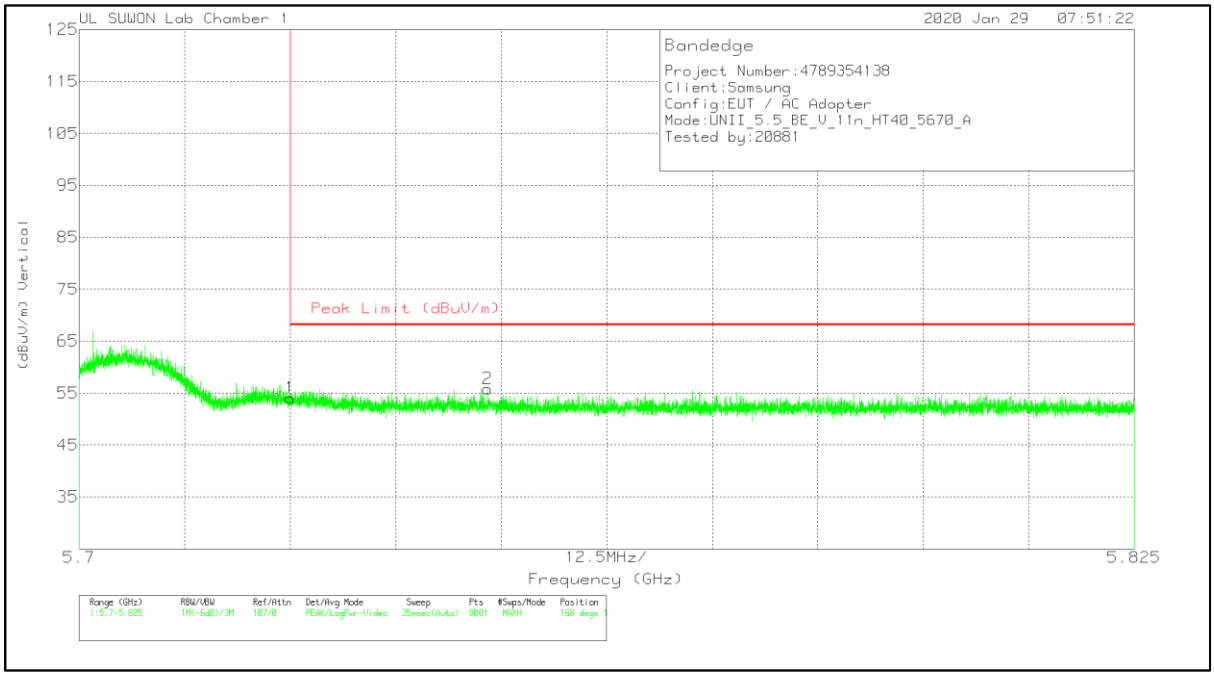
VERTICAL PEAK AND AVERAGE DATA



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	5.72502	40.35	Pk	34.8	-21.1	0	54.05	68.2	-14.15	168	100	V
2	5.74838	42.13	Pk	34.8	-21.1	0	55.83	68.2	-12.37	168	100	V

Pk - Peak detector

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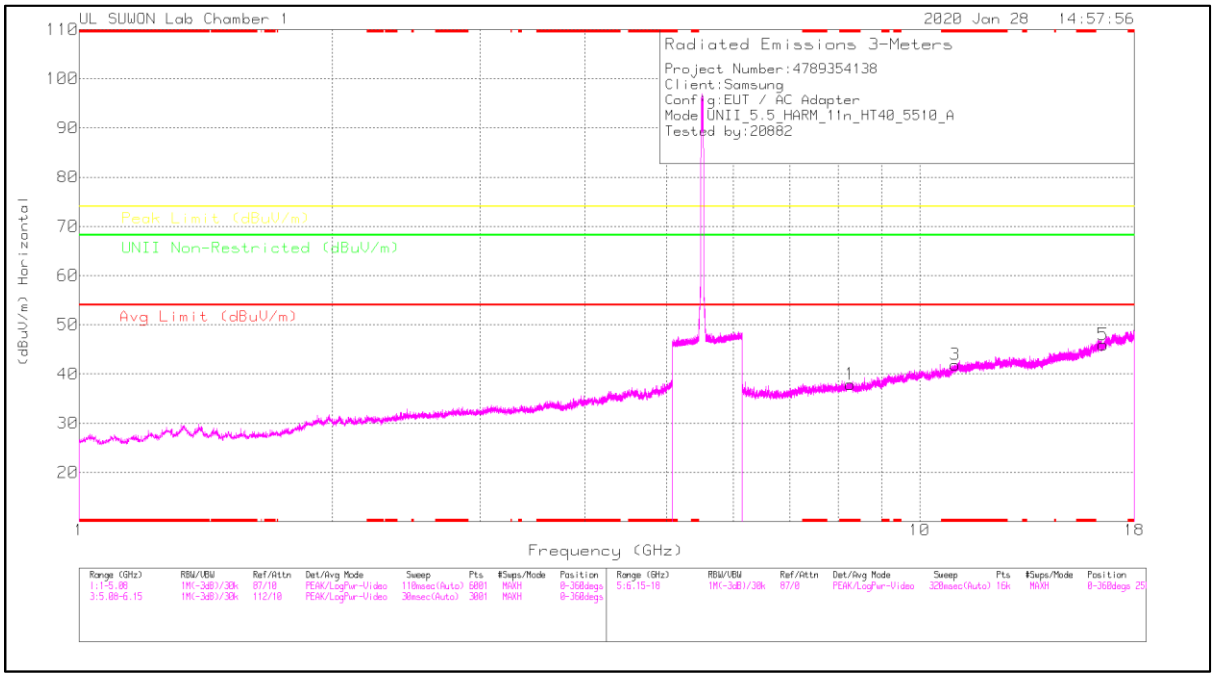
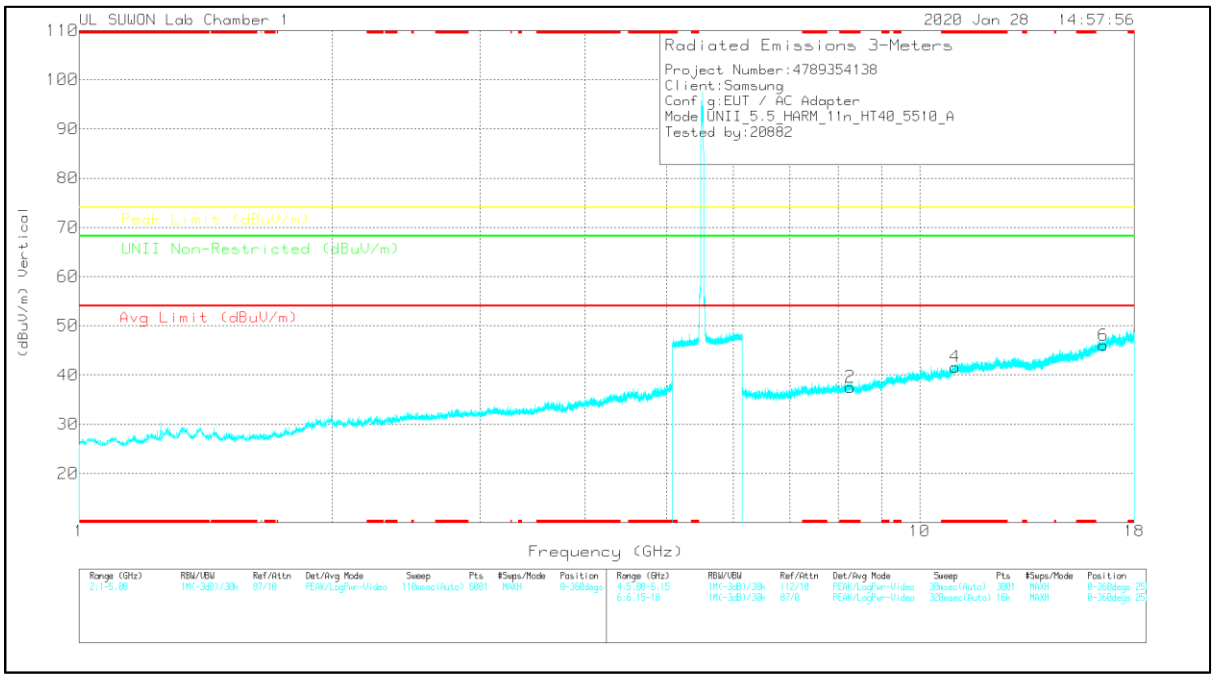
HARMONICS AND SPURIOUS EMISSIONS

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.

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LOW CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
* 8.26498	37.37	PK-U	36.4	-25.5	0	48.27	-	-	74	-25.73	-	-	0	100	H
* 8.26442	36.88	PK-U	36.4	-25.5	0	47.78	-	-	74	-26.22	-	-	0	100	V
* 11.024	35.78	PK-U	38.2	-21.8	0	52.18	-	-	74	-21.82	-	-	0	100	H
* 11.02063	35.59	PK-U	38.2	-21.7	0	52.09	-	-	74	-21.91	-	-	0	100	V
16.52939	35.26	PK-U	40.9	-19.5	0	56.66	-	-	-	-	68.2	-11.54	0	100	H
16.52731	34.72	PK-U	40.9	-19.5	0	56.12	-	-	-	-	68.2	-12.08	0	100	V

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

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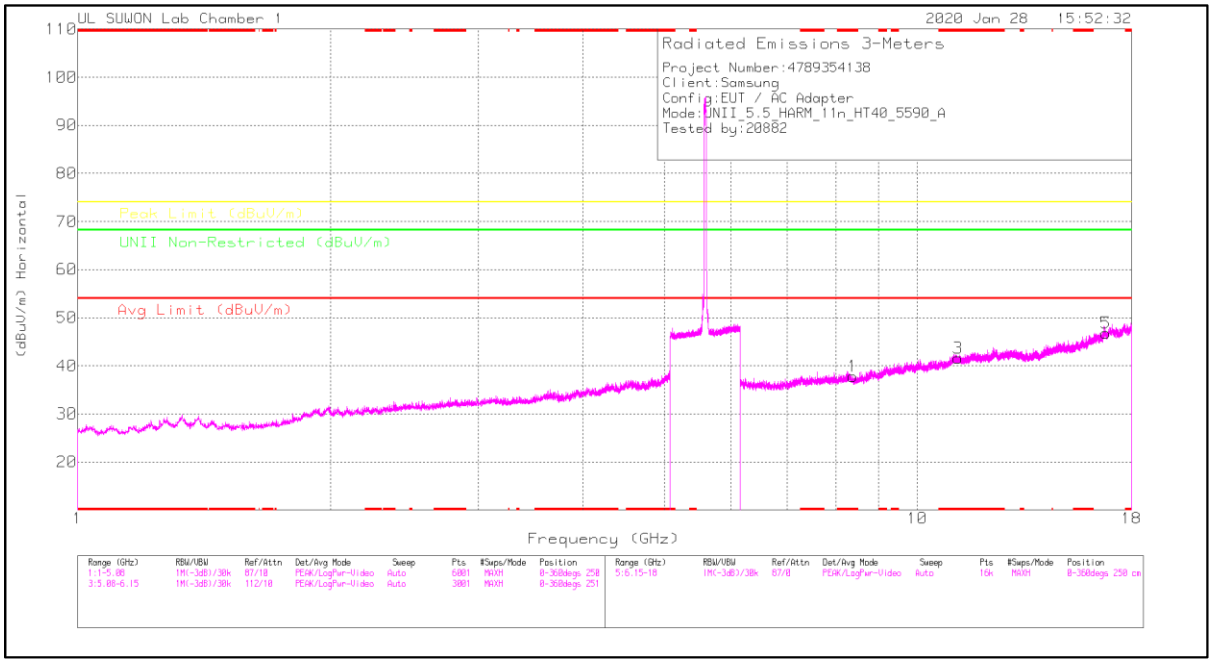
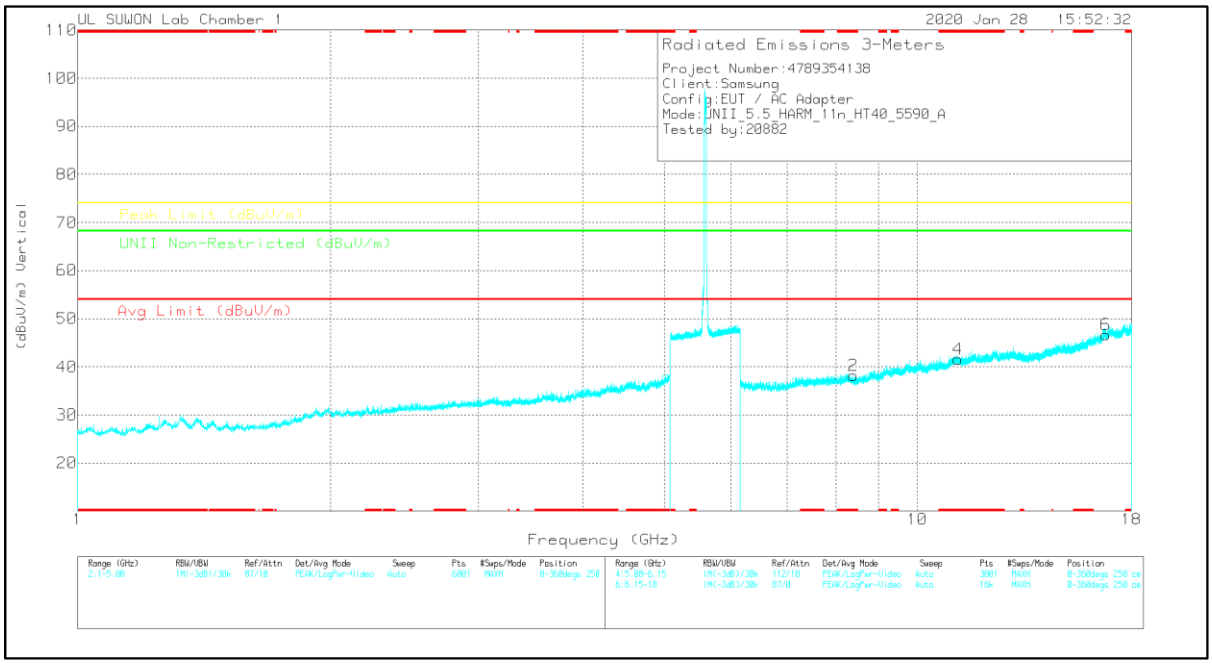
MID CHANNEL HORIZONTAL



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.

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MID CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
* 8.38457	37.78	PK-U	36.3	-25.9	0	48.18	-	-	74	-25.82	-	-	0	100	H
* 8.38539	37.37	PK-U	36.3	-25.9	0	47.77	-	-	74	-26.23	-	-	0	100	V
* 11.17752	36.25	PK-U	38.3	-22.5	0	52.05	-	-	74	-21.95	-	-	0	100	H
* 11.17937	36.05	PK-U	38.3	-22.4	0	51.95	-	-	74	-22.05	-	-	0	100	V
16.77088	34.45	PK-U	41.4	-17.9	0	57.95	-	-	-	-	68.2	-10.25	0	100	H
16.7704	34.52	PK-U	41.4	-17.9	0	58.02	-	-	-	-	68.2	-10.18	0	100	V

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

PK-U - U-NII: Maximum Peak

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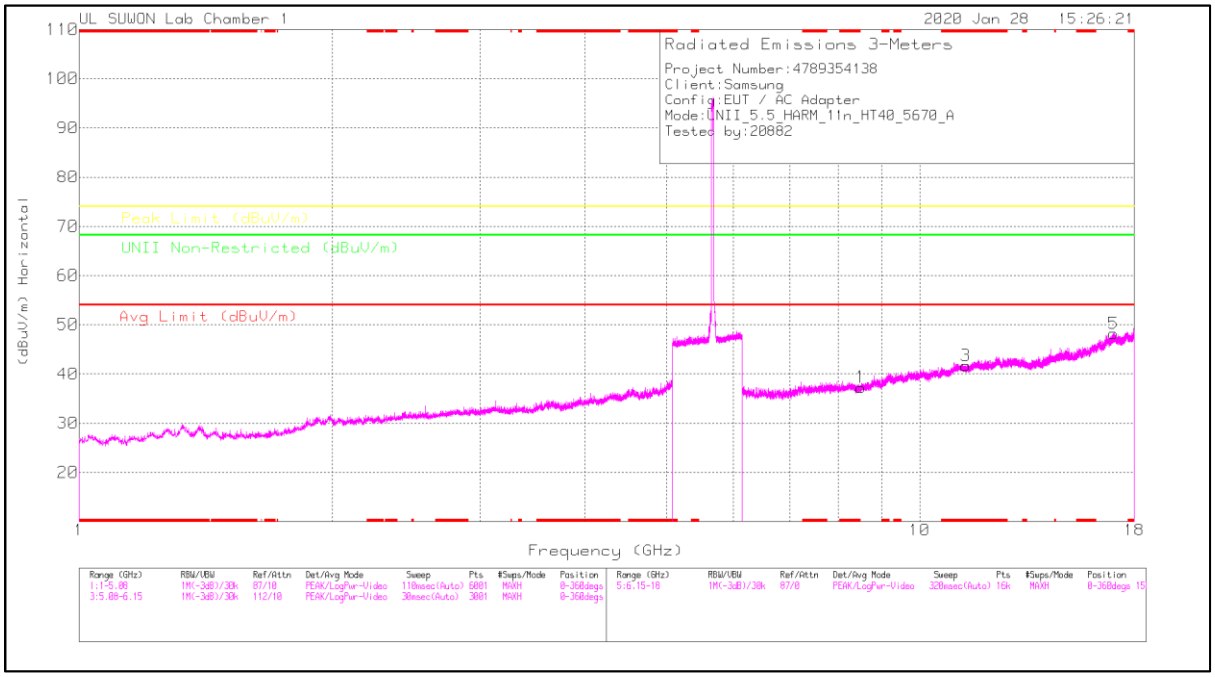
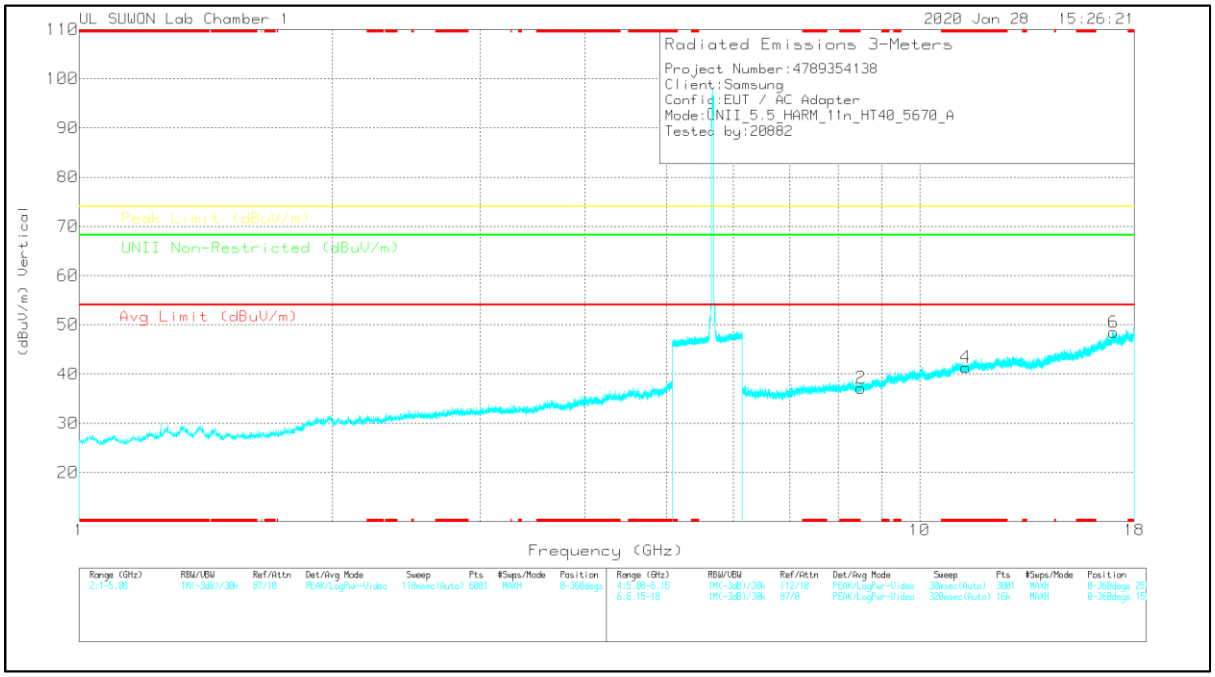
HIGH CHANNEL HORIZONTAL



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.

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HIGH CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
8.50583	37.01	PK-U	36.3	-25.4	0	47.91	-	-	-	-	68.2	-20.29	0	100	H
8.50653	37.46	PK-U	36.3	-25.4	0	48.36	-	-	-	-	68.2	-19.84	0	100	V
* 11.34104	36.95	PK-U	38.4	-22.4	0	52.95	-	-	74	-21.05	-	-	0	100	H
* 11.34017	35.78	PK-U	38.4	-22.4	0	51.78	-	-	74	-22.22	-	-	0	100	V
17.00774	33.93	PK-U	41.7	-17.6	0	58.03	-	-	-	-	68.2	-10.17	0	100	H
17.00941	34.53	PK-U	41.7	-17.6	0	58.63	-	-	-	-	68.2	-9.57	0	100	V

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

PK-U - U-NII: Maximum Peak

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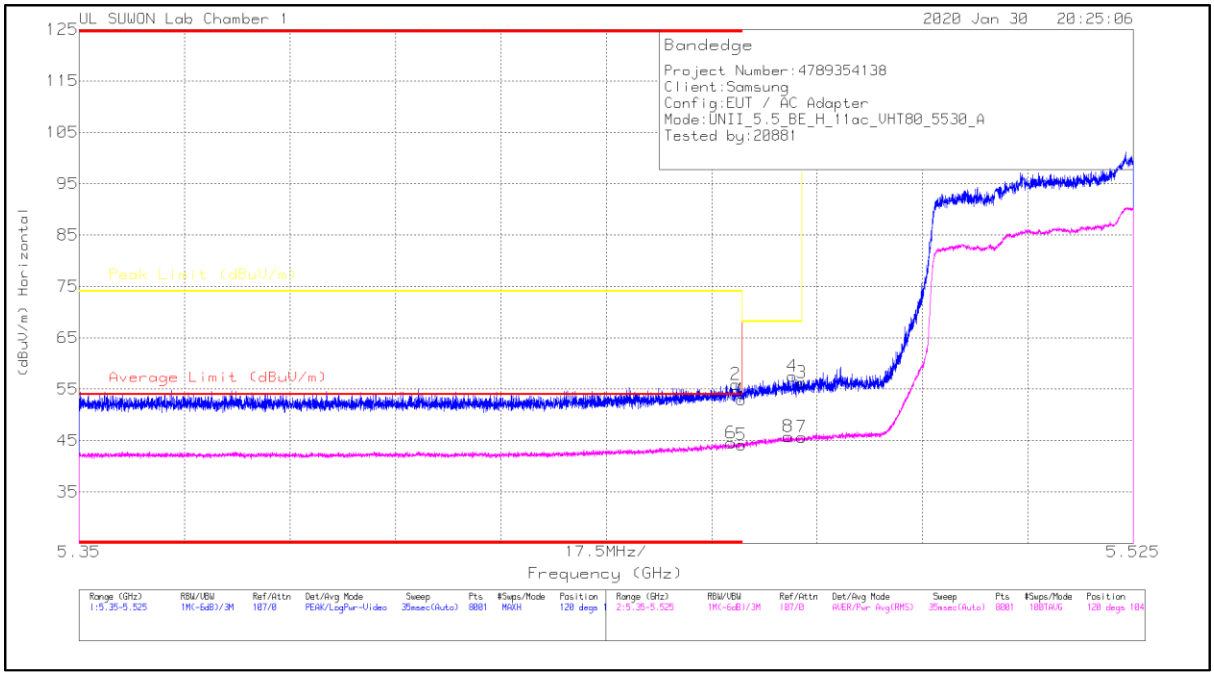
11.3.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.5GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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	* 5.45999	39.7	Pk	34.7	-21.4	0	53	-	-	74	-21	120	104	H
2	* 5.45898	42.74	Pk	34.7	-21.5	0	55.94	-	-	74	-18.06	120	104	H
3	5.46998	43.08	Pk	34.7	-21.5	0	56.28	-	-	68.2	-11.92	120	104	H
4	5.46839	44.32	Pk	34.7	-21.5	0	57.52	-	-	68.2	-10.68	120	104	H
5	* 5.45999	30.77	RMS	34.7	-21.4	.11	44.18	54	-9.82	-	-	120	104	H
6	* 5.45822	31.14	RMS	34.7	-21.4	.11	44.55	54	-9.45	-	-	120	104	H
7	5.46998	32.39	RMS	34.7	-21.5	.11	45.7	-	-	-	-	120	104	H
8	5.46771	32.49	RMS	34.7	-21.5	.11	45.8	-	-	-	-	120	104	H

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

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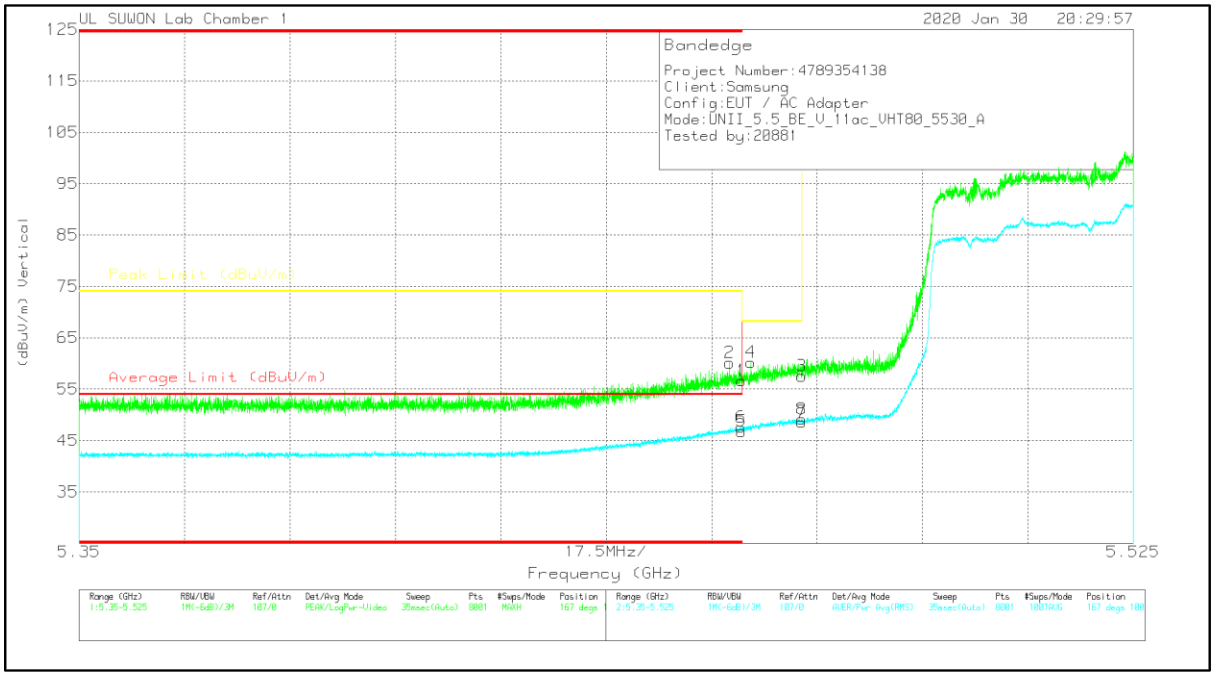
VERTICAL PEAK AND AVERAGE DATA



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	* 5.45999	43.35	Pk	34.7	-21.4	0	56.65	-	-	74	-17.35	167	100	V
2	* 5.45795	46.85	Pk	34.7	-21.4	0	60.15	-	-	74	-13.85	167	100	V
3	5.46998	44.38	Pk	34.7	-21.5	0	57.58	-	-	68.2	-10.62	167	100	V
4	5.4615	46.93	Pk	34.7	-21.4	0	60.23	-	-	68.2	-7.97	167	100	V
5	* 5.45999	33.41	RMS	34.7	-21.4	.11	46.82	54	-7.18	-	-	167	100	V
6	* 5.45988	34.17	RMS	34.7	-21.4	.11	47.58	54	-6.42	-	-	167	100	V
7	5.46998	35.31	RMS	34.7	-21.5	.11	48.62	-	-	-	-	167	100	V
8	5.46994	35.87	RMS	34.7	-21.5	.11	49.18	-	-	-	-	167	100	V

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

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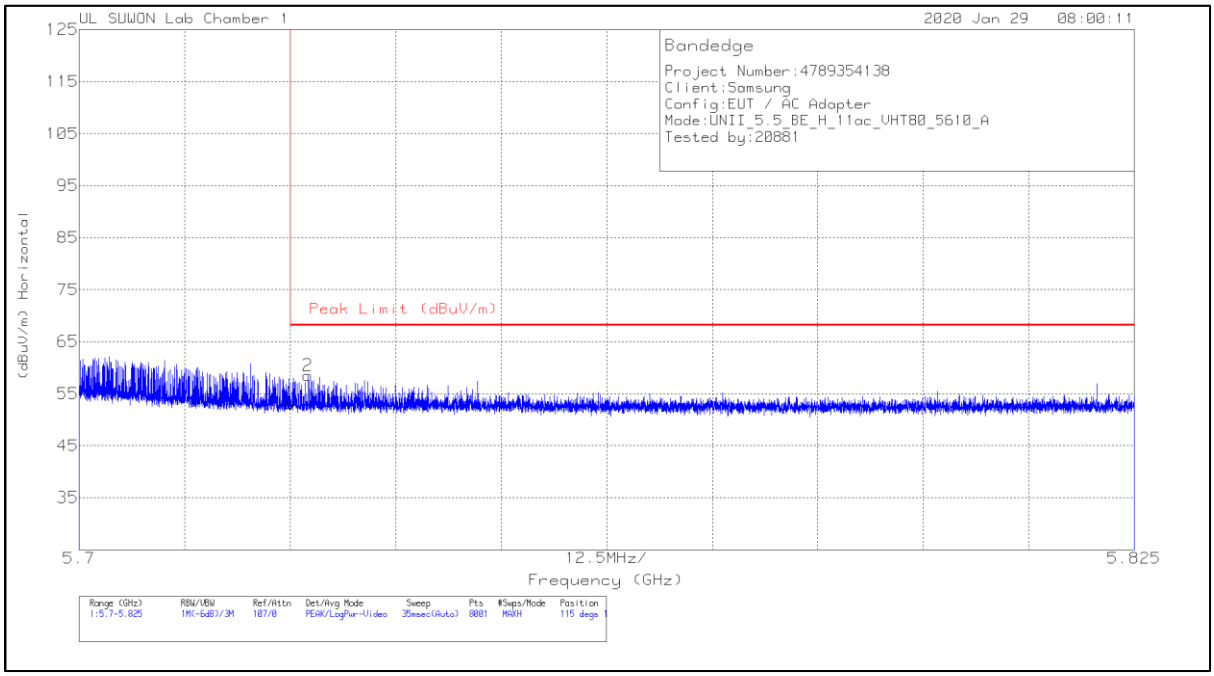
BANDEDGE (HIGH CHANNEL)

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	5.72502	39.48	Pk	34.8	-21.1	0	53.18	68.2	-15.02	115	100	H
2	5.72708	44.79	Pk	34.8	-21.1	0	58.49	68.2	-9.71	115	100	H

Pk - Peak detector

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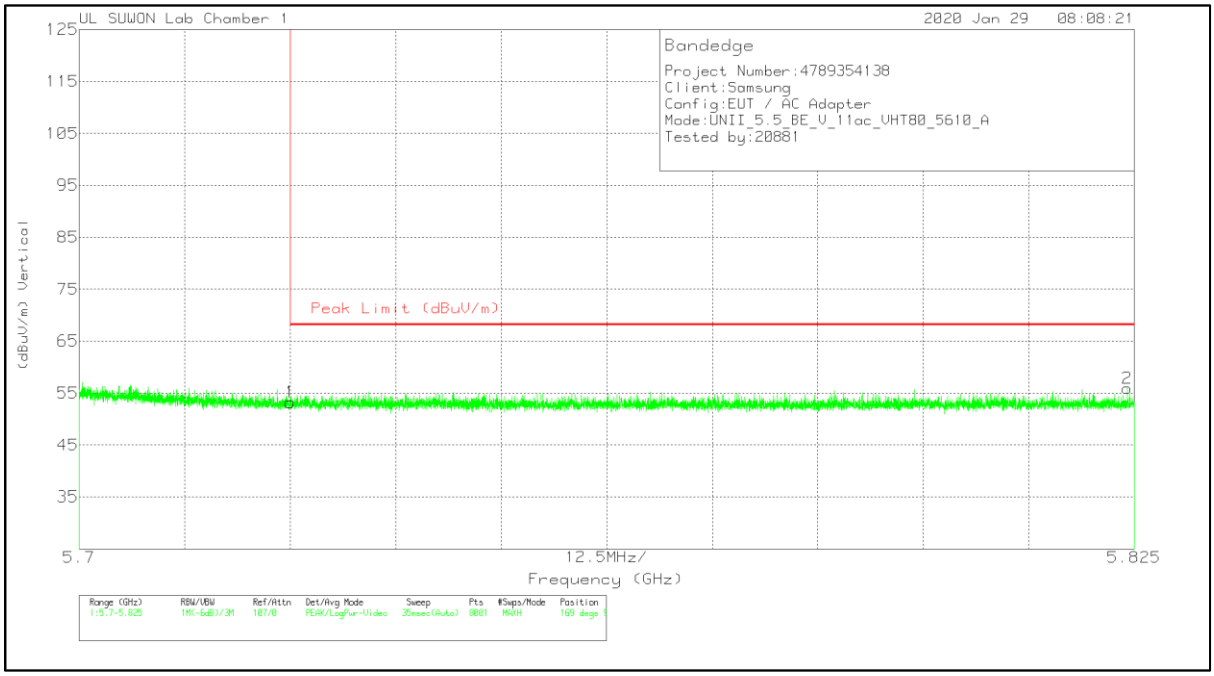
VERTICAL PEAK AND AVERAGE DATA



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	5.72502	39.53	Pk	34.8	-21.1	0	53.23	68.2	-14.97	169	99	V
2	5.82416	42.13	Pk	34.9	-21.1	0	55.93	68.2	-12.27	169	99	V

Pk - Peak detector

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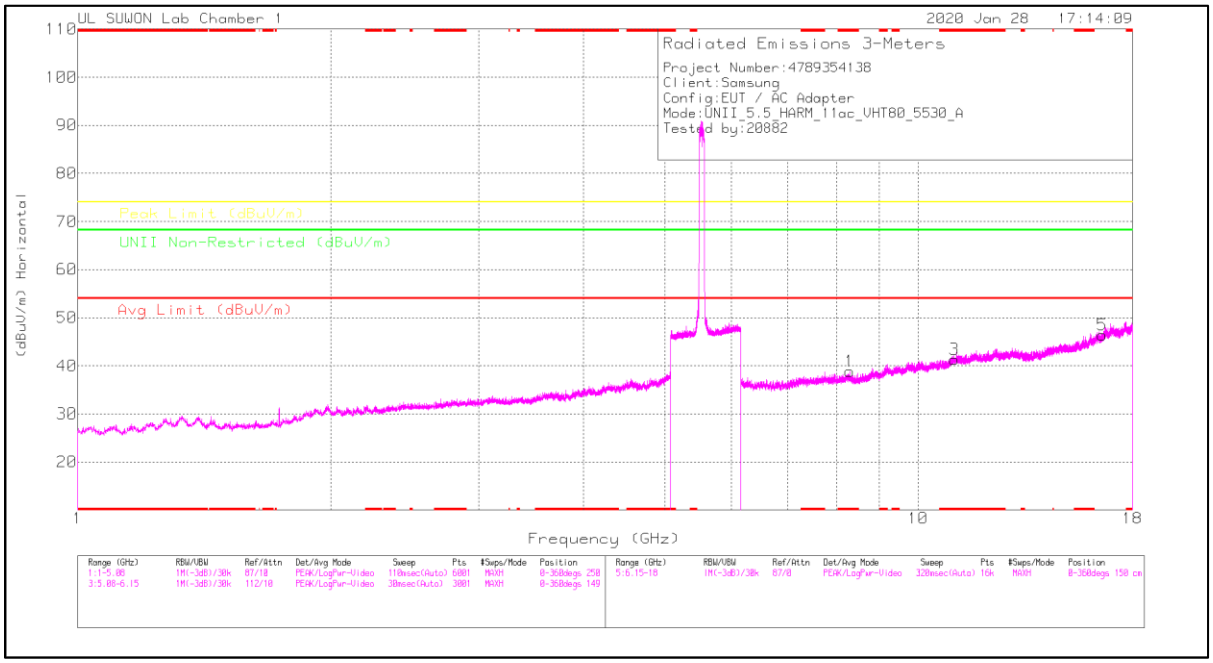
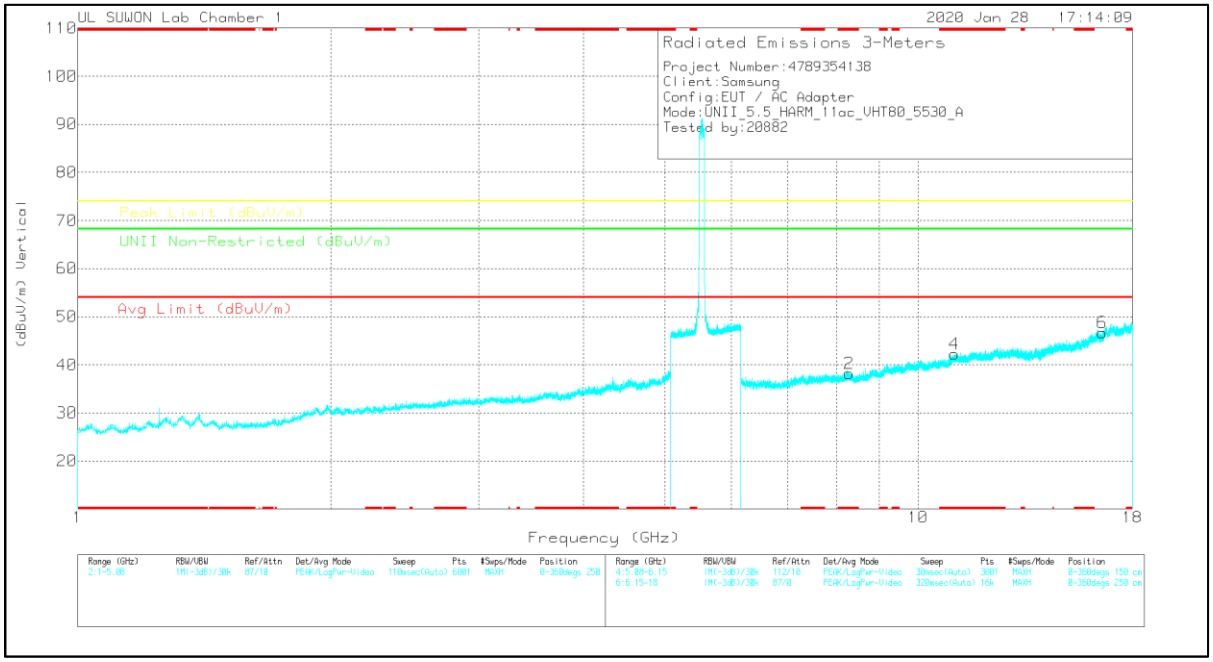
HARMONICS AND SPURIOUS EMISSIONS

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.

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LOW CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
* 8.29642	37.09	PK-U	36.4	-25.1	0	48.39	-	-	74	-25.61	-	-	0	100	H
* 8.29831	37.47	PK-U	36.4	-25.1	0	48.77	-	-	74	-25.23	-	-	0	100	V
* 11.05662	35.47	PK-U	38.2	-21.8	0	51.87	-	-	74	-22.13	-	-	0	100	H
* 11.05585	36.5	PK-U	38.2	-21.7	0	53	-	-	74	-21	-	-	0	100	V
16.58855	34.59	PK-U	41	-19.2	0	56.39	-	-	-	-	68.2	-11.81	0	100	H
16.58581	34.81	PK-U	40.9	-19.1	0	56.61	-	-	-	-	68.2	-11.59	0	100	V

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

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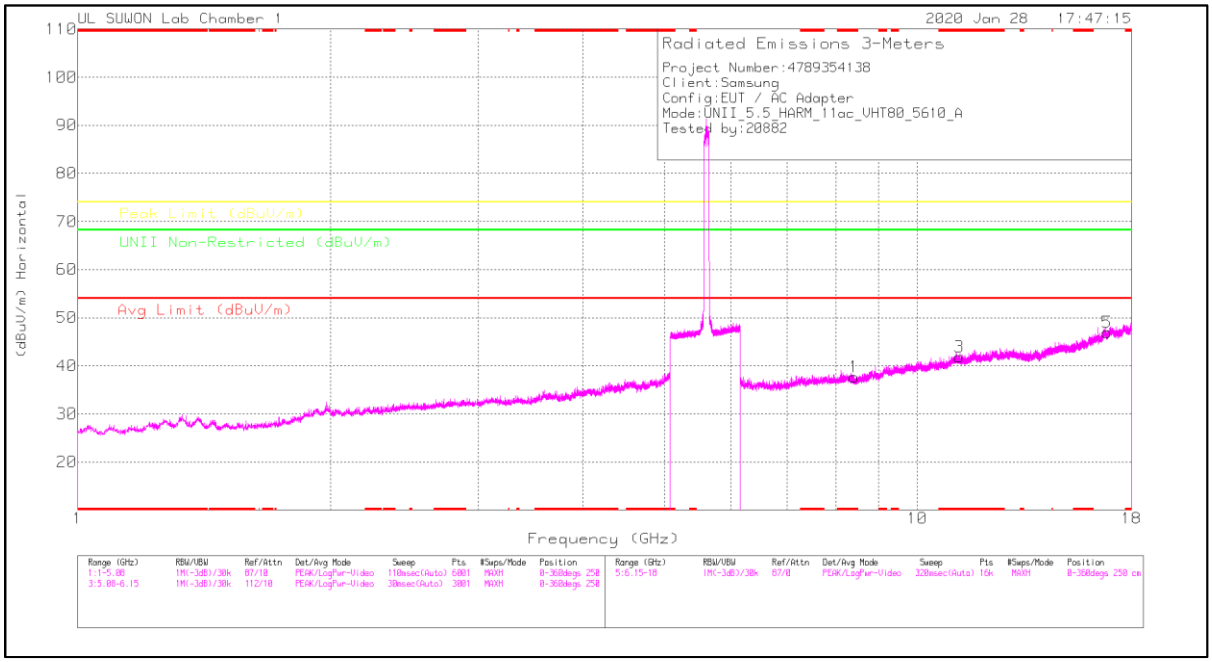
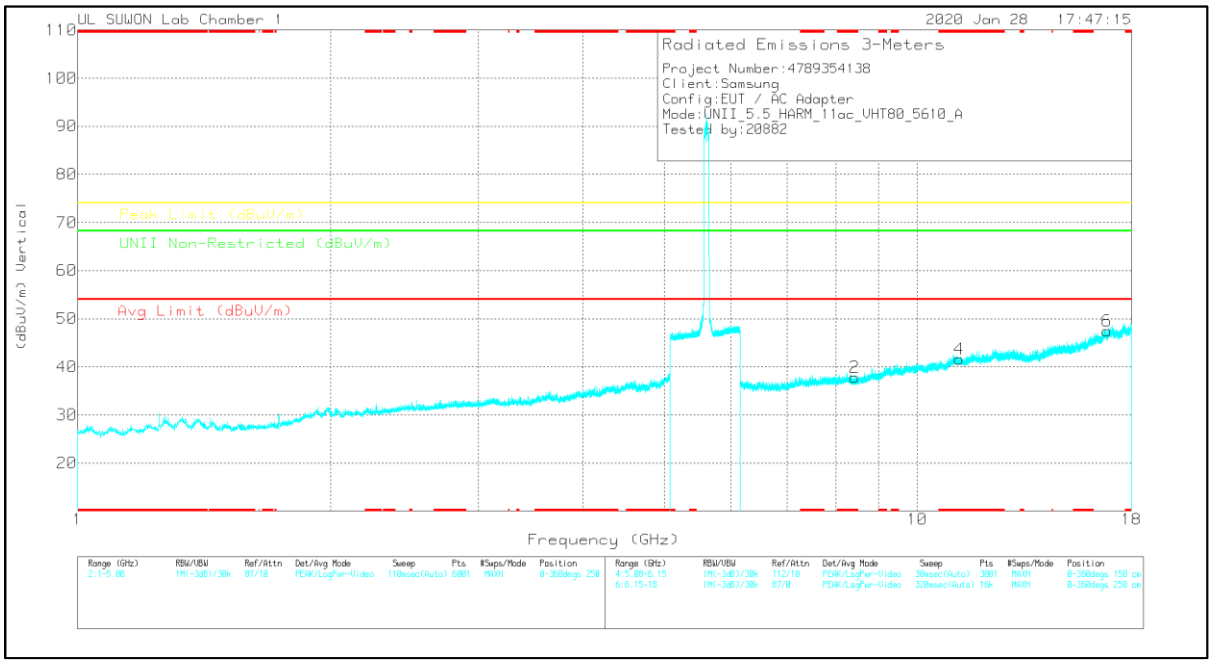
HIGH CHANNEL HORIZONTAL



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.

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HIGH CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
* 8.4104	37.36	PK-U	36.3	-25.9	0	47.76	-	-	74	-26.24	-	-	0	100	H
* 8.40963	37.38	PK-U	36.3	-25.9	0	47.78	-	-	74	-26.22	-	-	0	100	V
* 11.22571	36.04	PK-U	38.4	-22.2	0	52.24	-	-	74	-21.76	-	-	0	100	H
* 11.22317	35.84	PK-U	38.4	-22.3	0	51.94	-	-	74	-22.06	-	-	0	100	V
16.8272	35.02	PK-U	41.5	-18.7	0	57.82	-	-	-	-	68.2	-10.38	0	100	H
16.82978	34.29	PK-U	41.5	-18.7	0	57.09	-	-	-	-	68.2	-11.11	0	100	V

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

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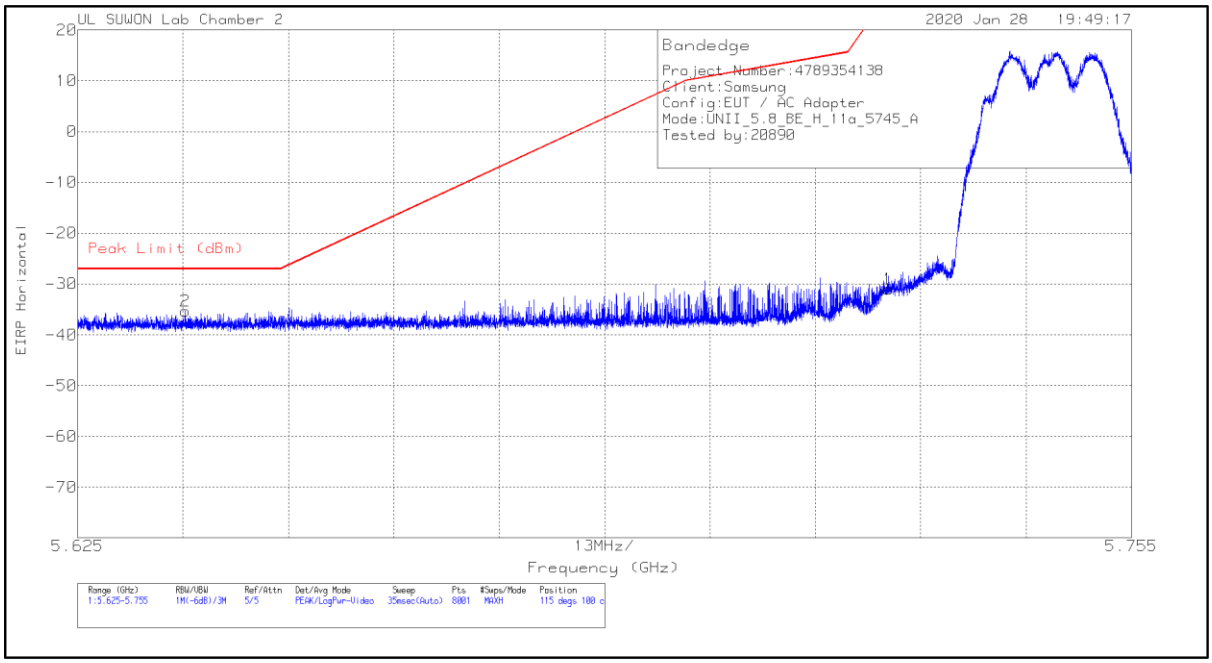
11.4. 5.8 GHz

11.4.1. TX ABOVE 1GHz 802.11a 2Tx MODE IN THE 5.8GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-59.77	Pk	34.5	-17.5	11.8	0	-30.97	26.97	-57.94	115	100	H
2	5.63831	-63.97	Pk	34.4	-17.6	11.8	0	-35.37	-27	-8.37	115	100	H

Pk - Peak detector

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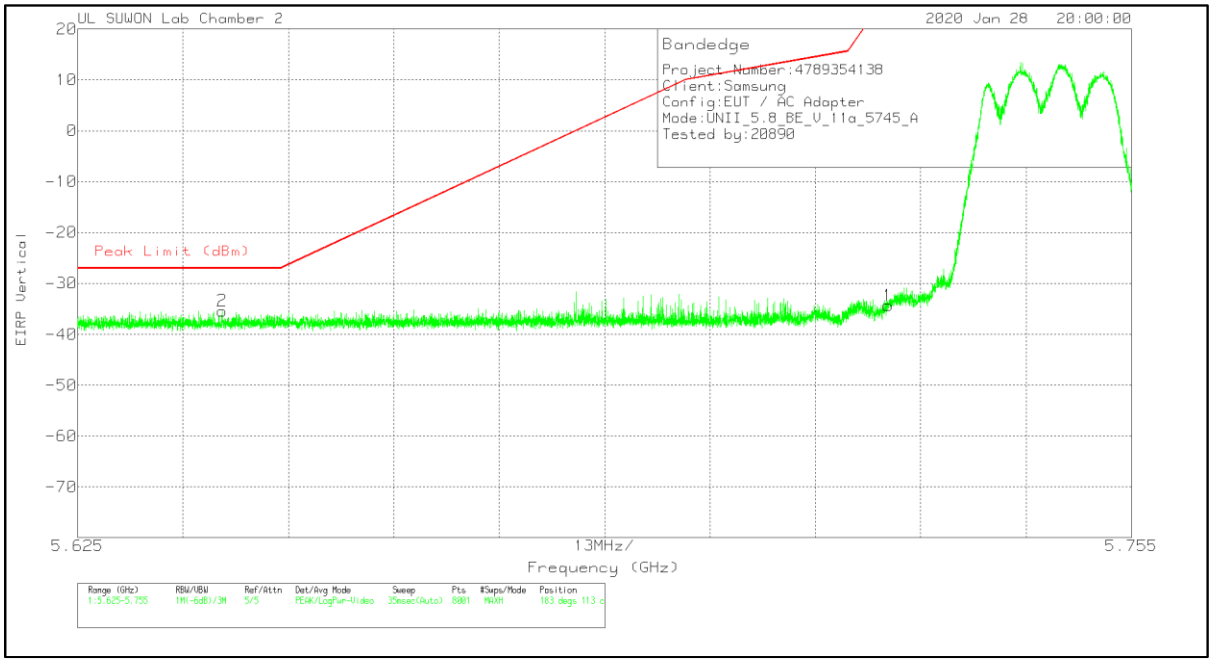
VERTICAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-63.14	Pk	34.5	-17.5	11.8	0	-34.34	26.97	-61.31	183	113	V
2	5.64281	-63.88	Pk	34.4	-17.7	11.8	0	-35.38	-27	-8.38	183	113	V

Pk - Peak detector

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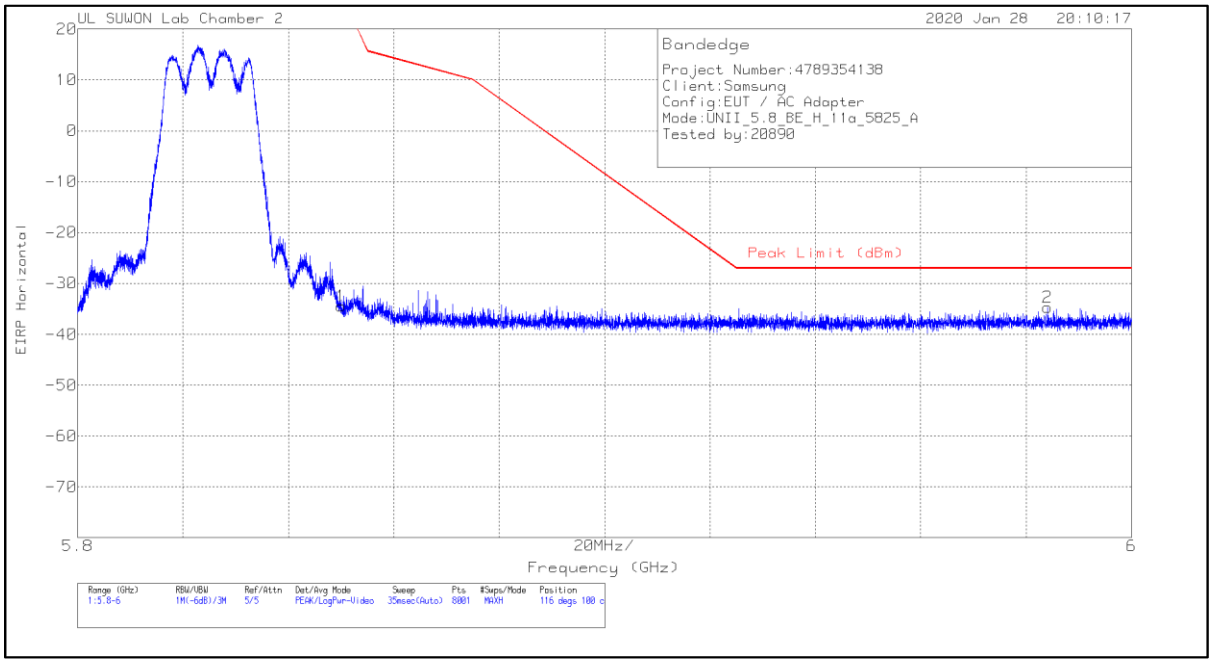
BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-63.4	Pk	34.5	-17.3	11.8	0	-34.4	26.94	-61.34	116	100	H
2	5.98413	-63.89	Pk	34.7	-17.3	11.8	0	-34.69	-27	-7.69	116	100	H

Pk - Peak detector

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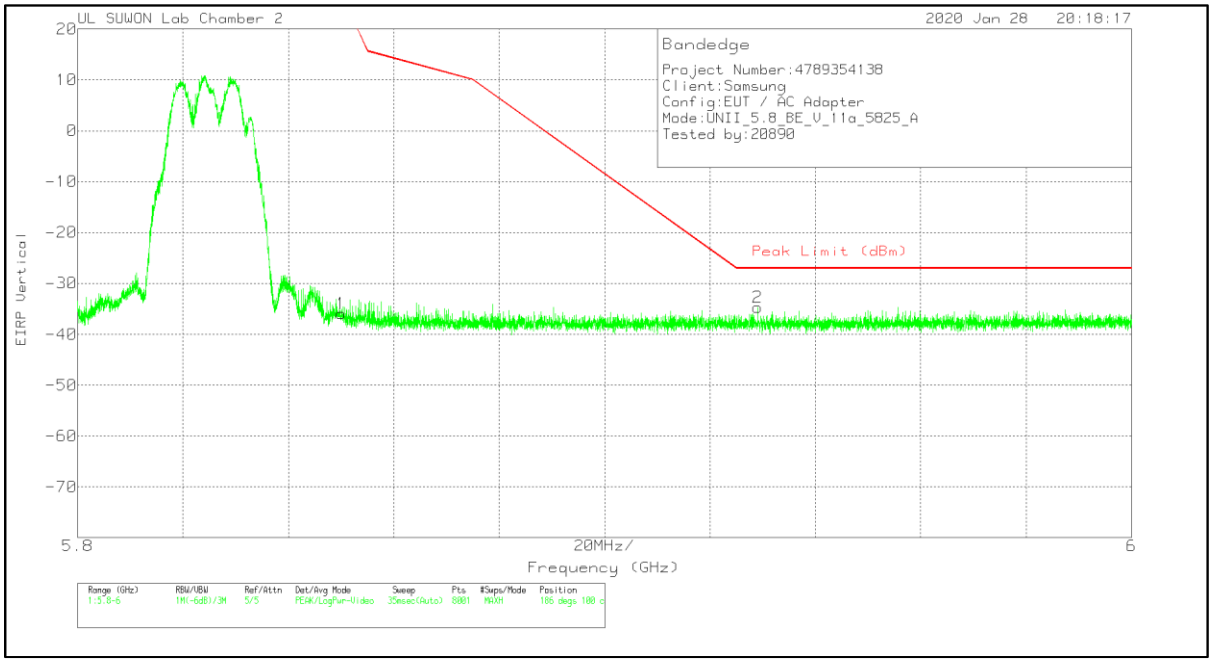
VERTICAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-64.92	Pk	34.5	-17.3	11.8	0	-35.92	26.94	-62.86	186	100	V
2	5.92905	-63.81	Pk	34.6	-17.3	11.8	0	-34.71	-27	-7.71	186	100	V

Pk - Peak detector

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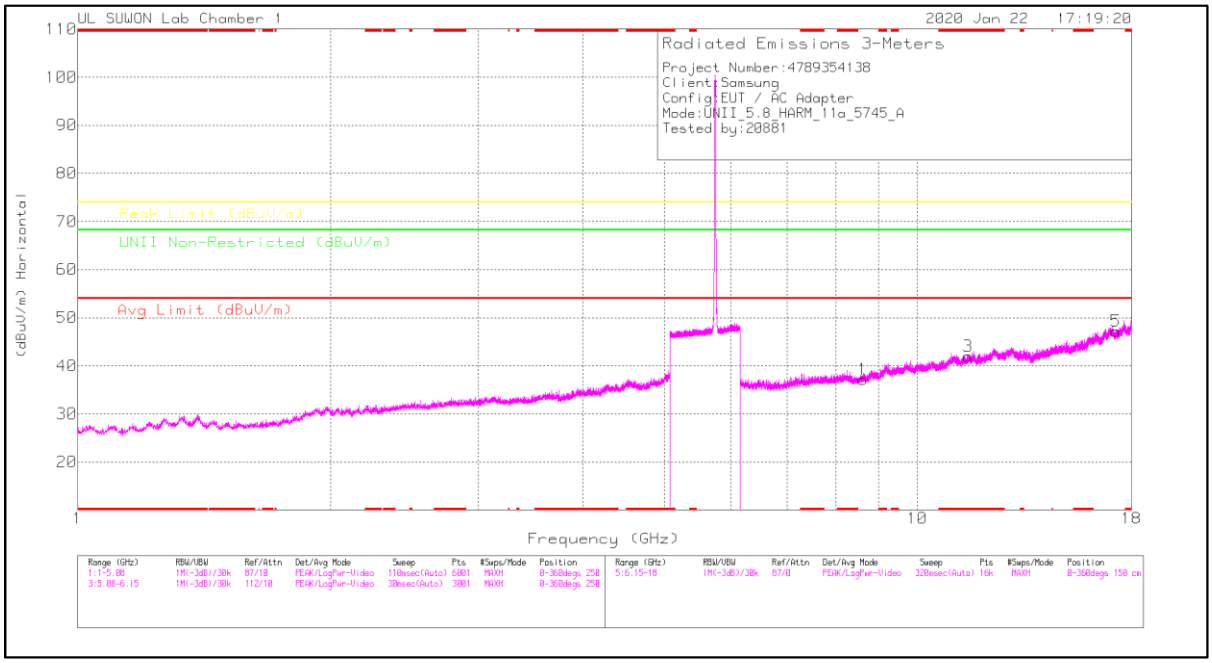
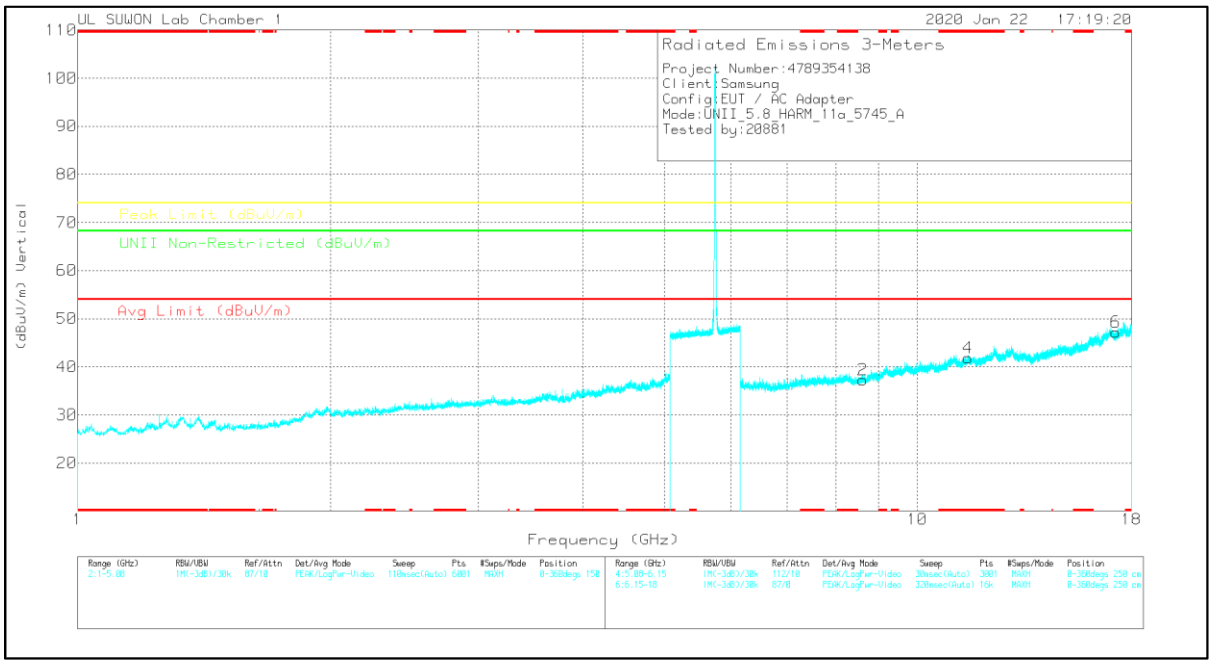
HARMONICS AND SPURIOUS EMISSIONS

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.

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LOW CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
8.61574	36.56	PK-U	36.3	-24.9	0	47.96	-	-	-	-	68.2	-20.24	0	100	H
8.61879	36.61	PK-U	36.3	-24.9	0	48.01	-	-	-	-	68.2	-20.19	0	100	V
* 11.48731	35.75	PK-U	38.5	-22.2	0	52.05	-	-	74	-21.95	-	-	0	100	H
* 11.48625	35.62	PK-U	38.5	-22.2	0	51.92	-	-	74	-22.08	-	-	0	100	V
17.23068	33.62	PK-U	41.3	-17.5	0	57.42	-	-	-	-	68.2	-10.78	0	100	H
17.23026	34.75	PK-U	41.3	-17.5	0	58.55	-	-	-	-	68.2	-9.65	0	100	V

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

PK-U - U-NII: Maximum Peak

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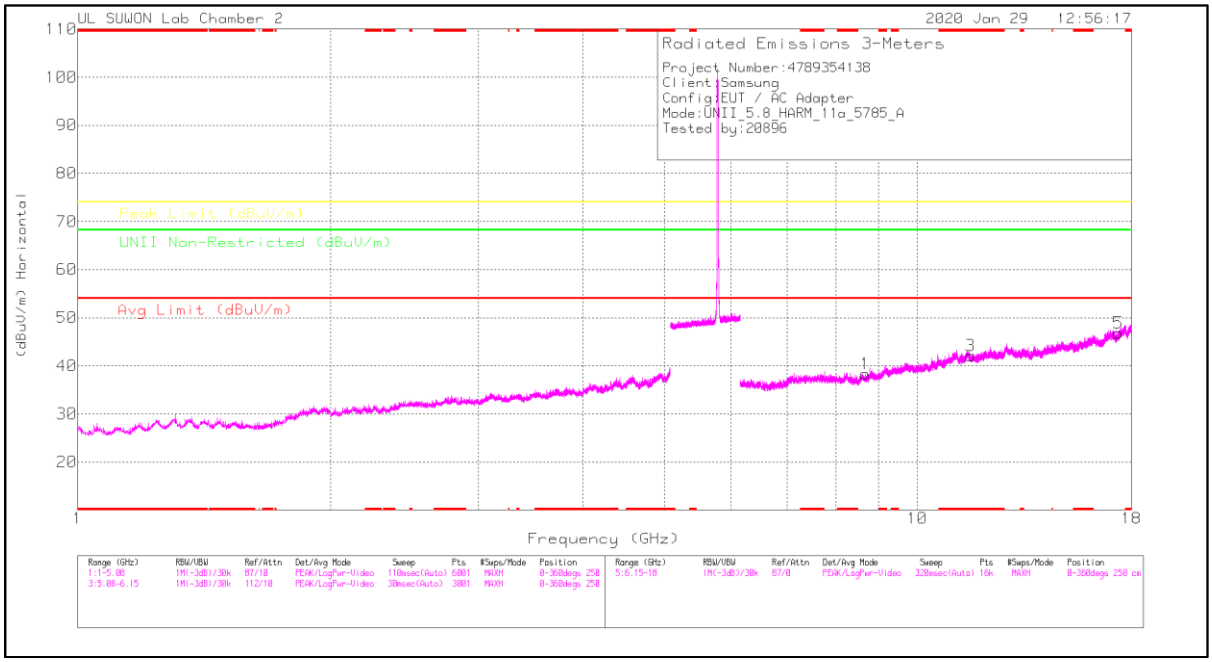
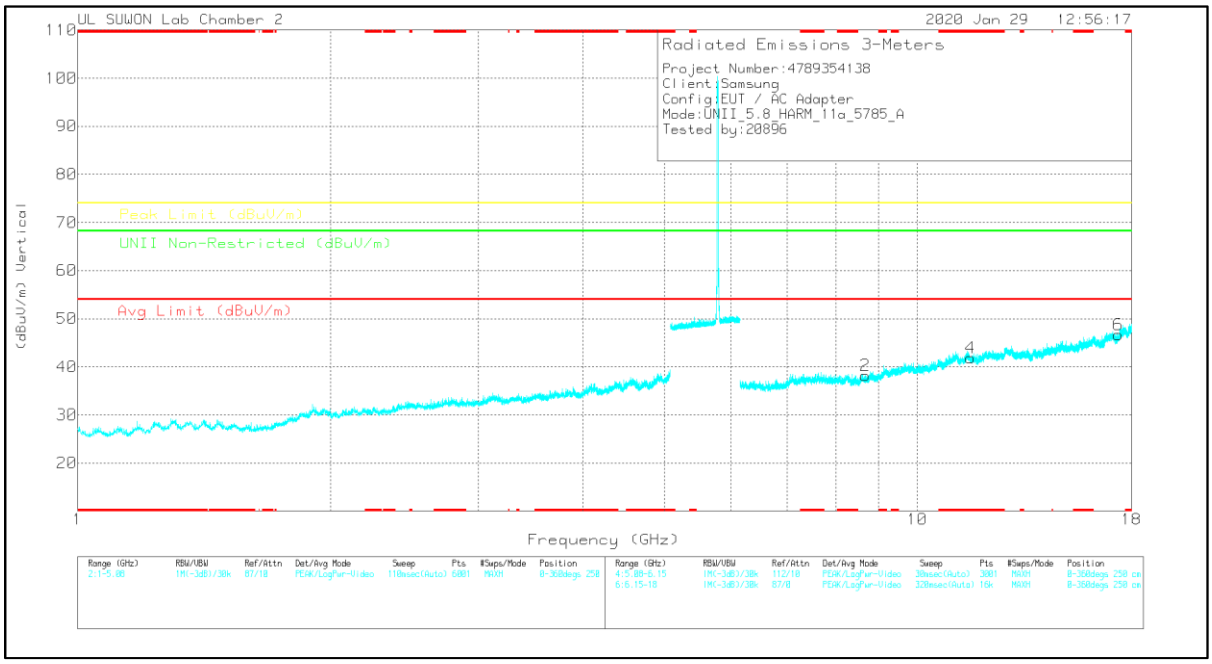
MID CHANNEL HORIZONTAL



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.

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MID CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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)	Azimuth (Degs)	Height (cm)	Polarity
8.67855	34.79	PK-U	36.2	-22.8	0	48.19	-	-	-	-	68.2	-20.01	0	100	H
8.67161	34.49	PK-U	36.2	-22.7	0	47.99	-	-	-	-	68.2	-20.21	0	100	V
* 11.57282	33.31	PK-U	38.4	-19.7	0	52.01	-	-	74	-21.99	-	-	0	100	H
* 11.57054	33.82	PK-U	38.4	-19.7	0	52.52	-	-	74	-21.48	-	-	0	100	V
17.35613	34.38	PK-U	41.3	-18.6	0	57.08	-	-	-	-	68.2	-11.12	0	100	H
17.35538	34.12	PK-U	41.3	-18.6	0	56.82	-	-	-	-	68.2	-11.38	0	100	V

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

PK-U - U-NII: Maximum Peak

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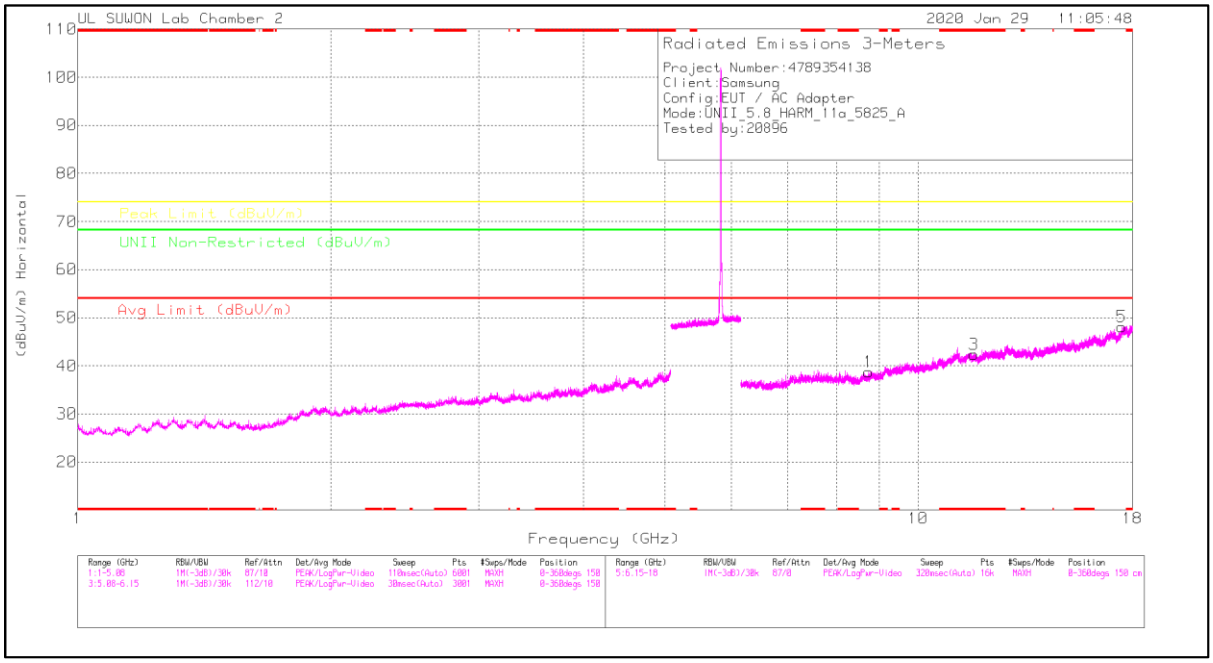
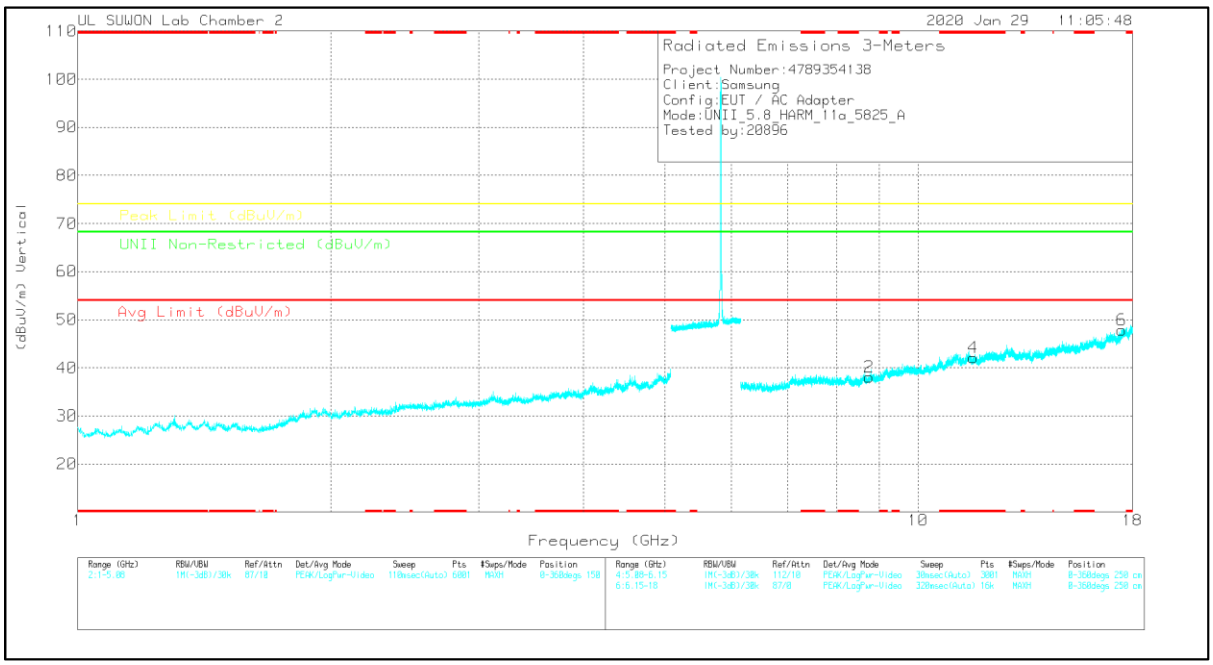
HIGH CHANNEL HORIZONTAL



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.

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HIGH CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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)	Azimuth (Degs)	Height (cm)	Polarity
8.73444	36.04	PK-U	36.3	-23.3	0	49.04	-	-	-	-	68.2	-19.16	0	100	H
8.73729	34.89	PK-U	36.3	-23.3	0	47.89	-	-	-	-	68.2	-20.31	0	100	V
* 11.65743	33.56	PK-U	38.4	-19.7	0	52.26	-	-	74	-21.74	-	-	0	100	H
* 11.65626	34.24	PK-U	38.4	-19.7	0	52.94	-	-	74	-21.06	-	-	0	100	V
17.47062	34.23	PK-U	41.4	-18	0	57.63	-	-	-	-	68.2	-10.57	0	100	H
17.46876	33.81	PK-U	41.4	-18.1	0	57.11	-	-	-	-	68.2	-11.09	0	100	V

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

PK-U - U-NII: Maximum Peak

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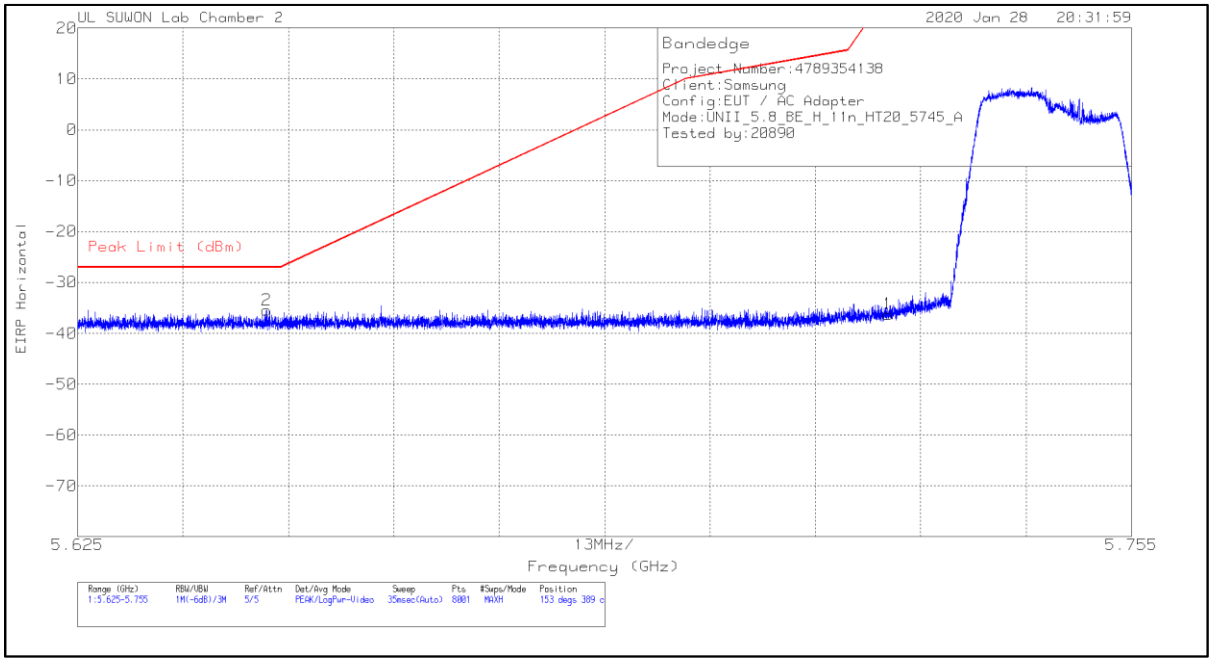
11.4.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.8GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-65.04	Pk	34.5	-17.5	11.8	0	-36.24	26.97	-63.21	153	389	H
2	5.64829	-63.94	Pk	34.4	-17.7	11.8	0	-35.44	-27	-8.44	153	389	H

Pk - Peak detector

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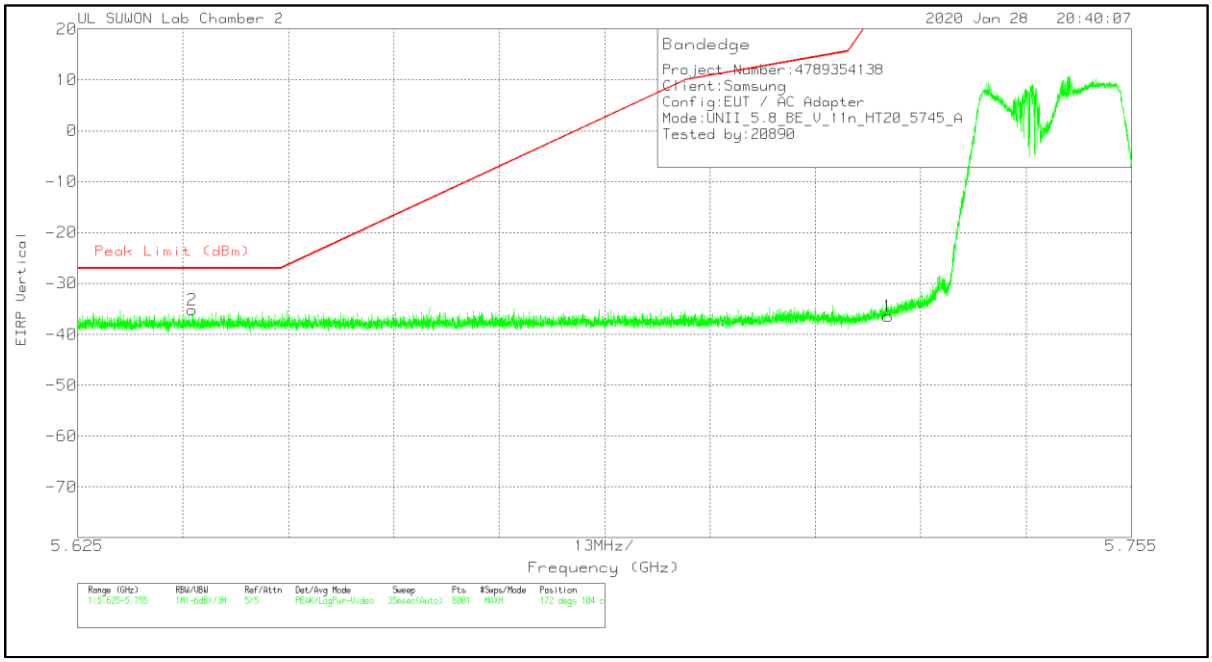
VERTICAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-65.24	Pk	34.5	-17.5	11.8	0	-36.44	26.97	-63.41	172	104	V
2	5.63915	-63.74	Pk	34.4	-17.7	11.8	0	-35.24	-27	-8.24	172	104	V

Pk - Peak detector

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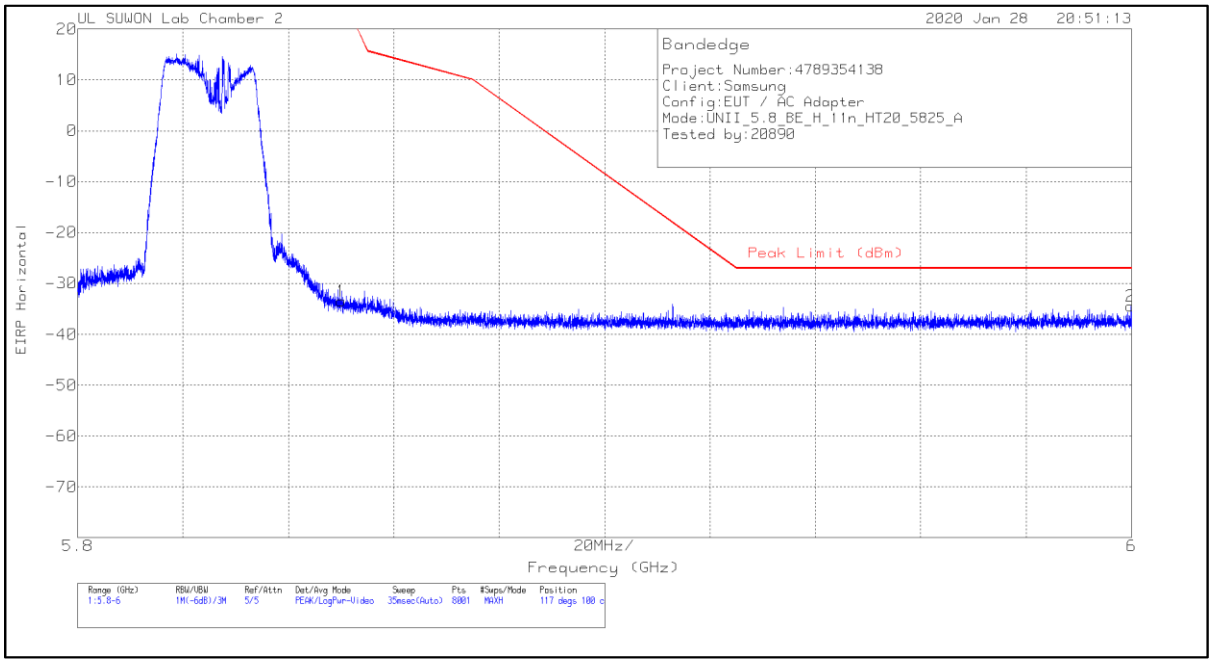
BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-62.52	Pk	34.5	-17.3	11.8	0	-33.52	26.94	-60.46	117	100	H
2	5.99993	-63.73	Pk	34.8	-17.3	11.8	0	-34.43	-27	-7.43	117	100	H

Pk - Peak detector

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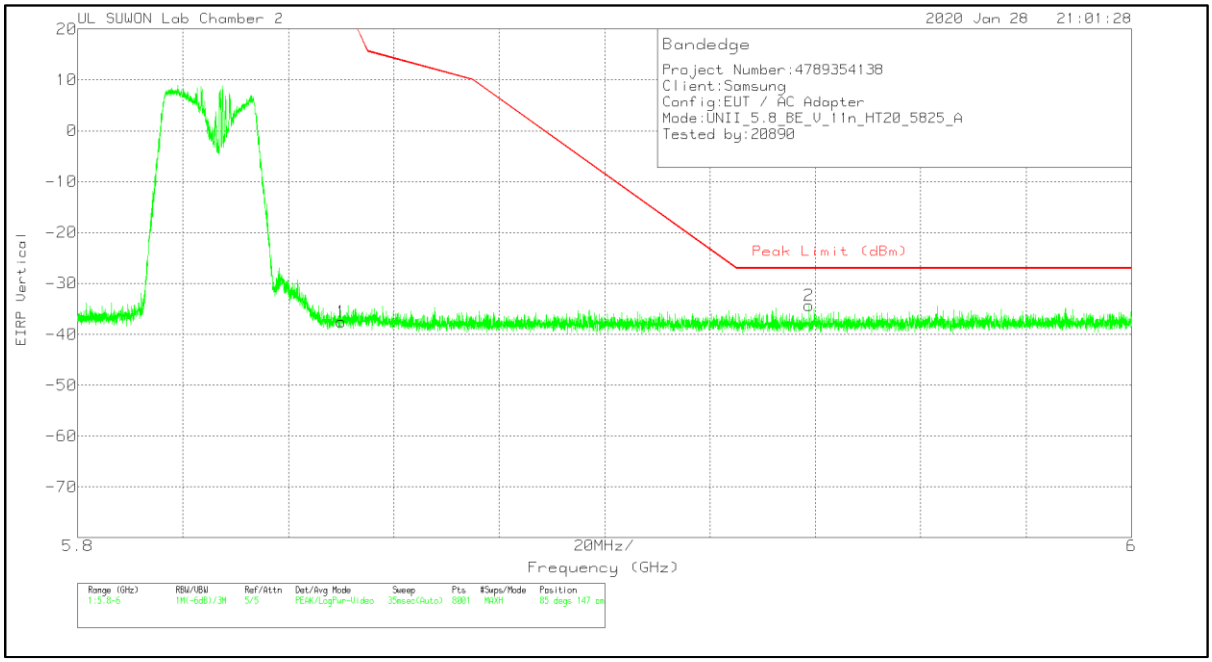
VERTICAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-66.48	Pk	34.5	-17.3	11.8	0	-37.48	26.94	-64.42	85	147	V
2	5.93878	-63.47	Pk	34.6	-17.3	11.8	0	-34.37	-27	-7.37	85	147	V

Pk - Peak detector

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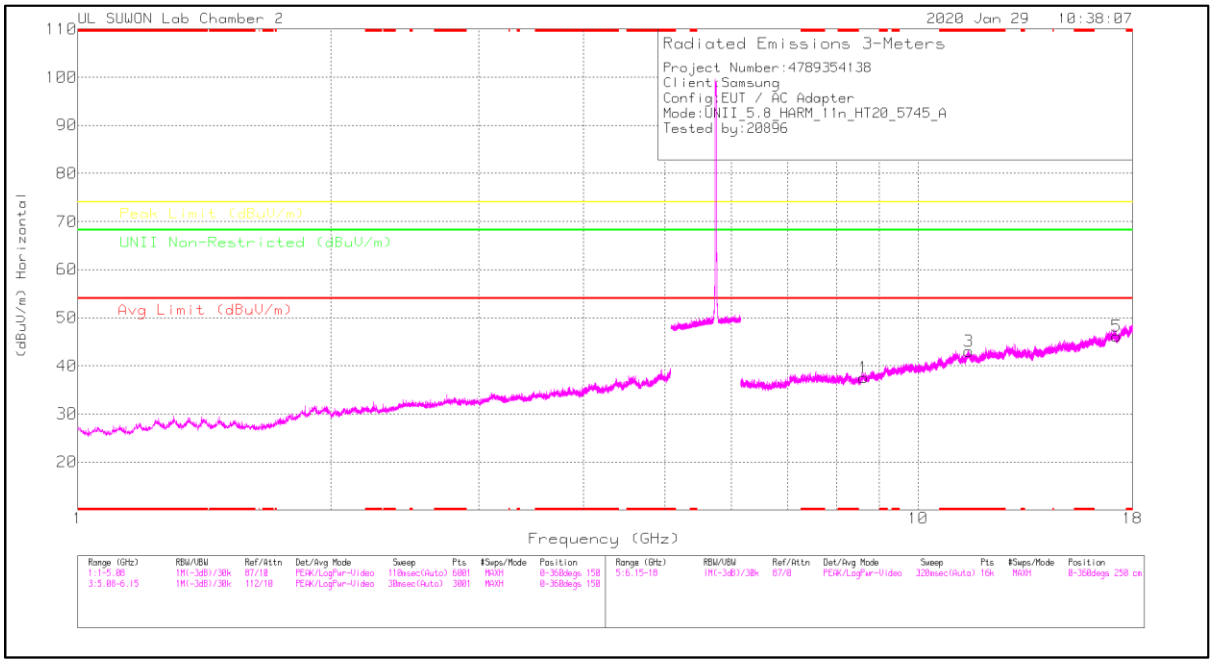
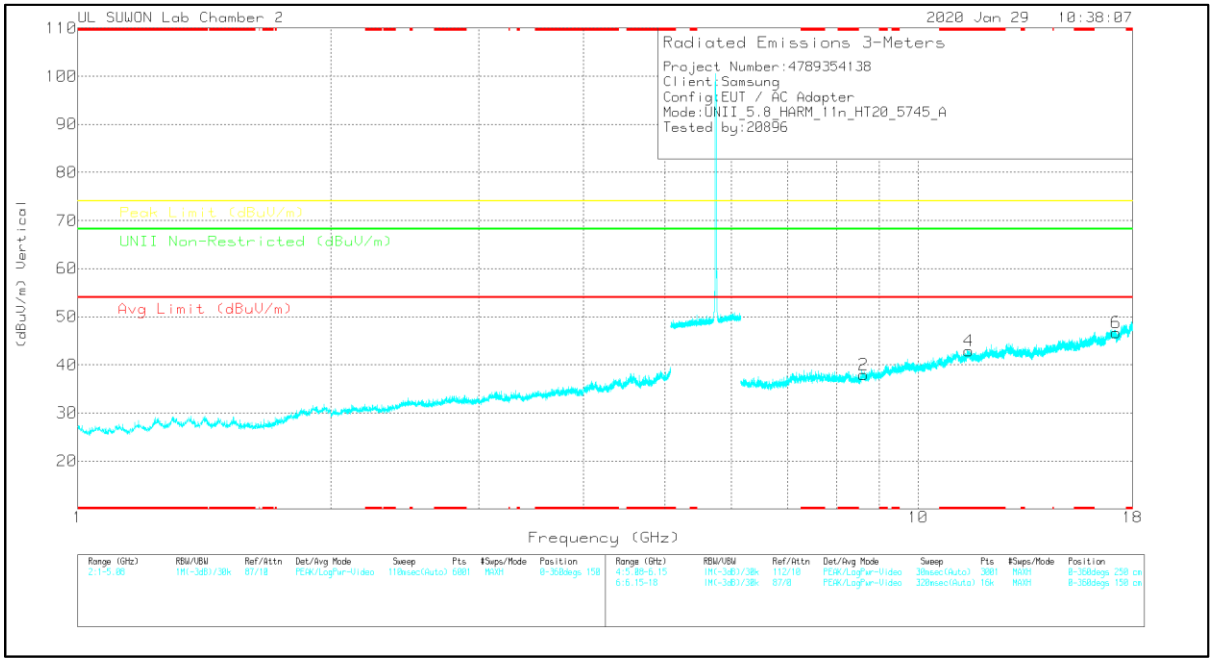
HARMONICS AND SPURIOUS EMISSIONS

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.

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LOW CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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)	Azimuth (Degs)	Height (cm)	Polarity
8.621	33.96	PK-U	36.2	-21.8	0	48.36	-	-	-	-	68.2	-19.84	0	100	H
8.62123	34.49	PK-U	36.2	-21.8	0	48.89	-	-	-	-	68.2	-19.31	0	100	V
* 11.49103	33.51	PK-U	38.3	-19.7	0	52.11	-	-	74	-21.89	-	-	0	100	H
* 11.4876	33.37	PK-U	38.3	-19.7	0	51.97	-	-	74	-22.03	-	-	0	100	V
17.23389	33.36	PK-U	41.3	-18.5	0	56.16	-	-	-	-	68.2	-12.04	0	100	H
17.23681	33.74	PK-U	41.3	-18.5	0	56.54	-	-	-	-	68.2	-11.66	0	100	V

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

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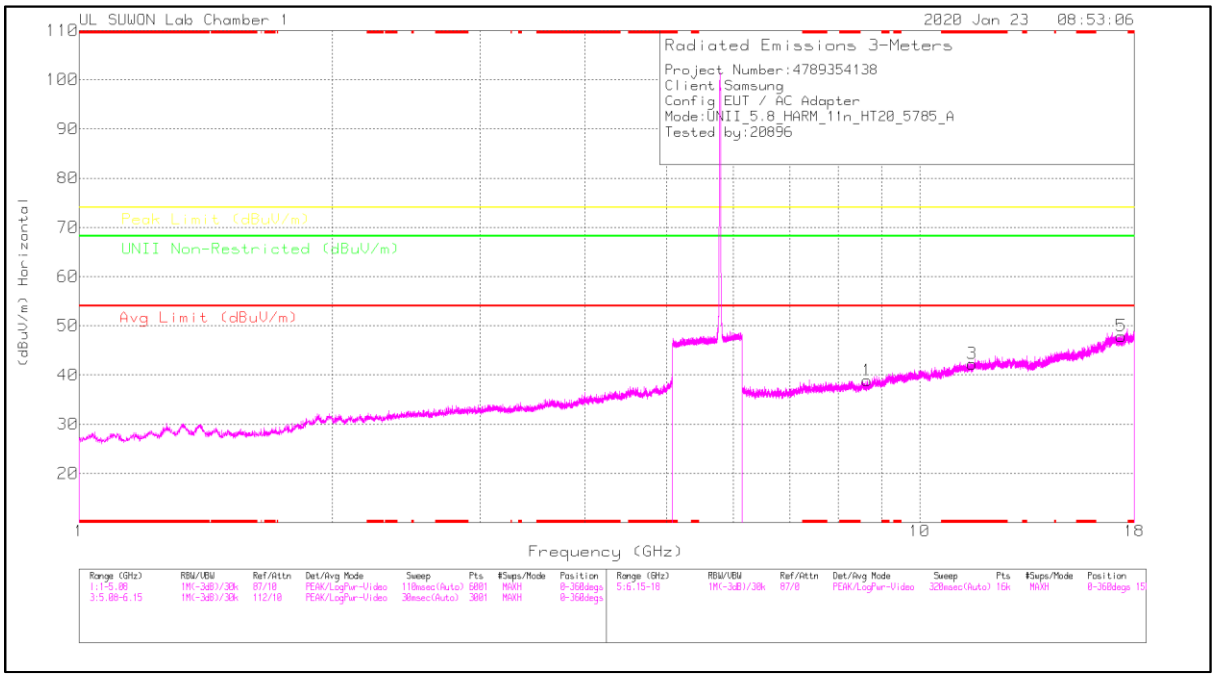
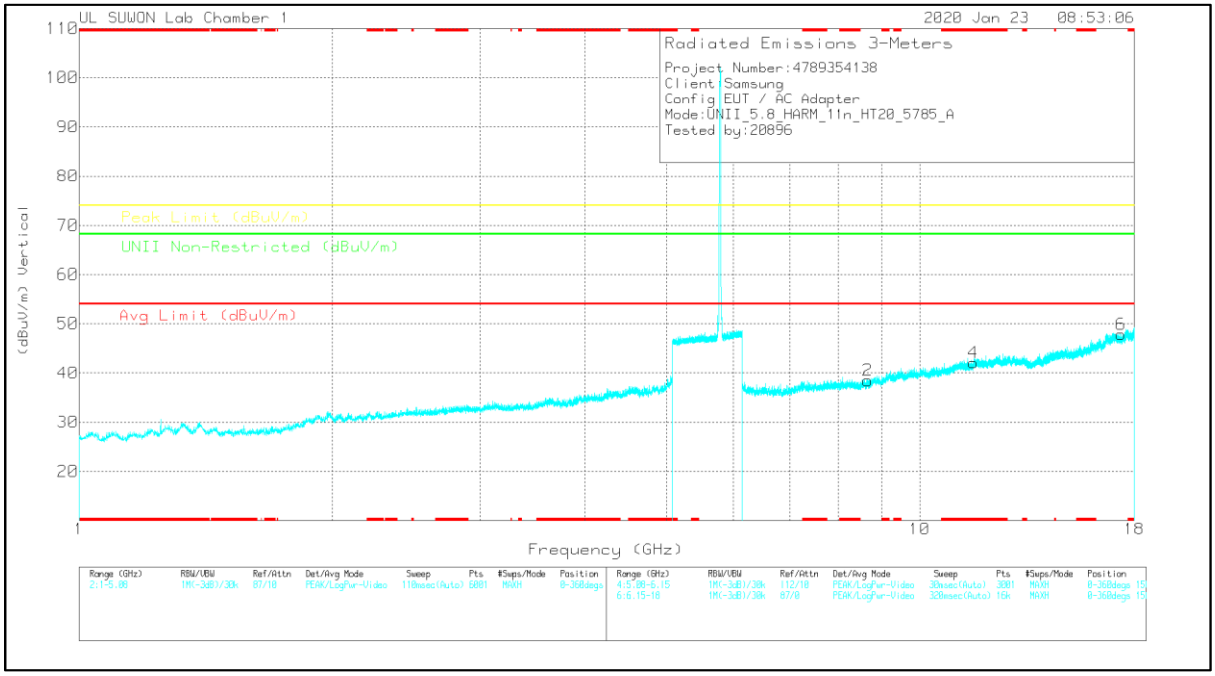
MID CHANNEL HORIZONTAL



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.

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MID CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter 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)	Azimuth (Degs)	Height (cm)	Polarity
8.65755	37.38	PK-U	36.4	-25	0	48.78	-	-	-	-	68.2	-19.42	0	100	H
8.65708	36.92	PK-U	36.4	-25	0	48.32	-	-	-	-	68.2	-19.88	0	100	V
* 11.54685	36.43	PK-U	38.5	-22.3	0	52.63	-	-	74	-21.37	-	-	0	100	H
* 11.54931	35.89	PK-U	38.5	-22.3	0	52.09	-	-	74	-21.91	-	-	0	100	V
17.37358	34.28	PK-U	41.2	-17.6	0	57.88	-	-	-	-	68.2	-10.32	0	100	H
17.37466	34.19	PK-U	41.2	-17.6	0	57.79	-	-	-	-	68.2	-10.41	0	100	V

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

PK-U - U-NII: Maximum Peak

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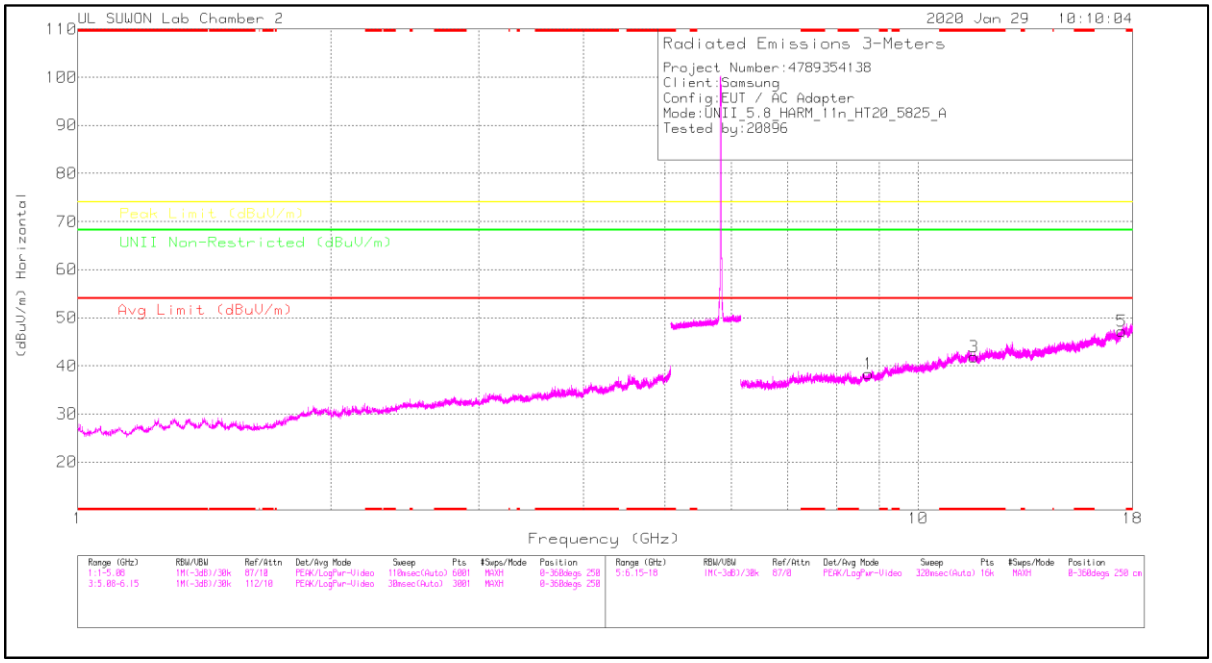
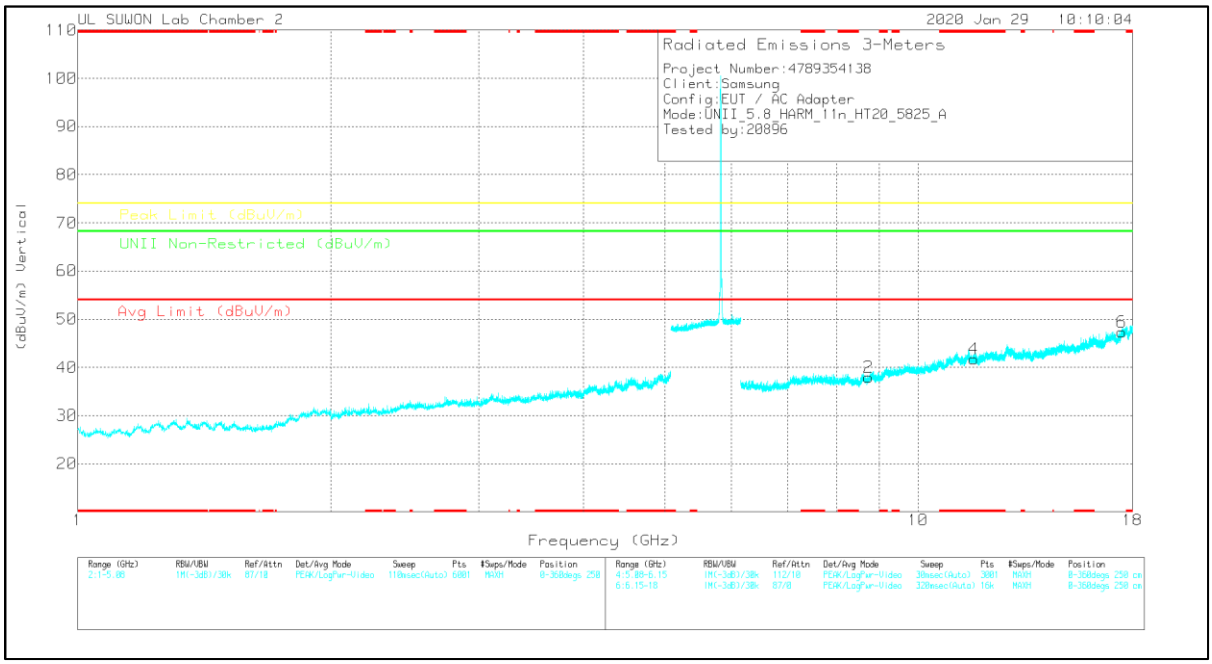
HIGH CHANNEL HORIZONTAL



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.

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HIGH CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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)	Azimuth (Degs)	Height (cm)	Polarity
8.73576	35.32	PK-U	36.3	-23.3	0	48.32	-	-	-	-	68.2	-19.88	0	100	H
8.73902	35.29	PK-U	36.3	-23.3	0	48.29	-	-	-	-	68.2	-19.91	0	100	V
* 11.65222	33.67	PK-U	38.4	-19.8	0	52.27	-	-	74	-21.73	-	-	0	100	H
* 11.64807	33.34	PK-U	38.4	-19.8	0	51.94	-	-	74	-22.06	-	-	0	100	V
17.47421	34.28	PK-U	41.4	-18	0	57.68	-	-	-	-	68.2	-10.52	0	100	H
17.47561	33.89	PK-U	41.4	-18	0	57.29	-	-	-	-	68.2	-10.91	0	100	V

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

PK-U - U-NII: Maximum Peak

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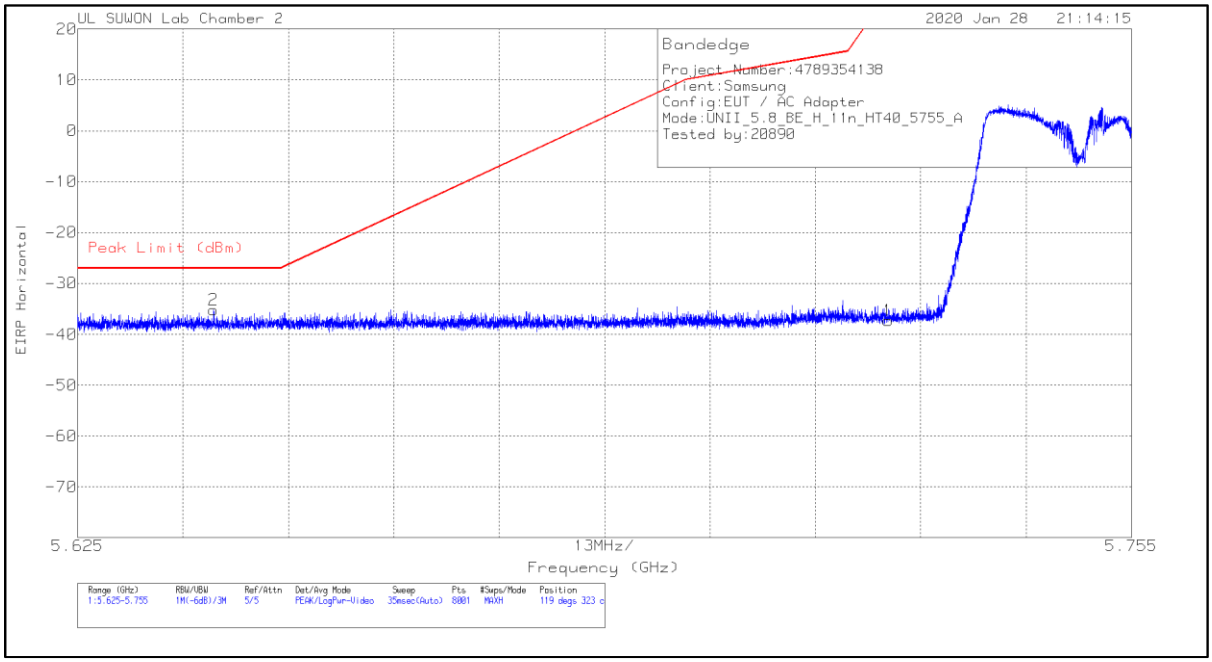
11.4.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.8GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-66.13	Pk	34.5	-17.5	11.8	0	-37.33	26.97	-64.3	119	323	H
2	5.64179	-63.75	Pk	34.4	-17.7	11.8	0	-35.25	-27	-8.25	119	323	H

Pk - Peak detector

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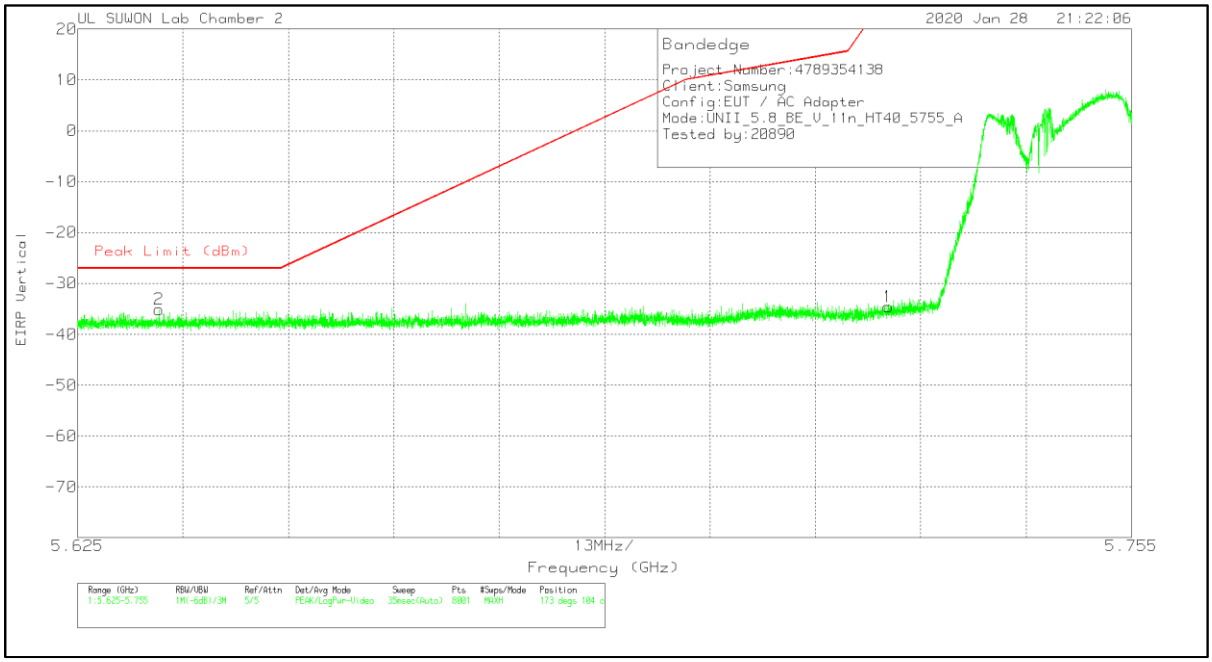
VERTICAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-63.35	Pk	34.5	-17.5	11.8	0	-34.55	26.97	-61.52	173	104	V
2	5.63503	-63.63	Pk	34.4	-17.7	11.8	0	-35.13	-27	-8.13	173	104	V

Pk - Peak detector

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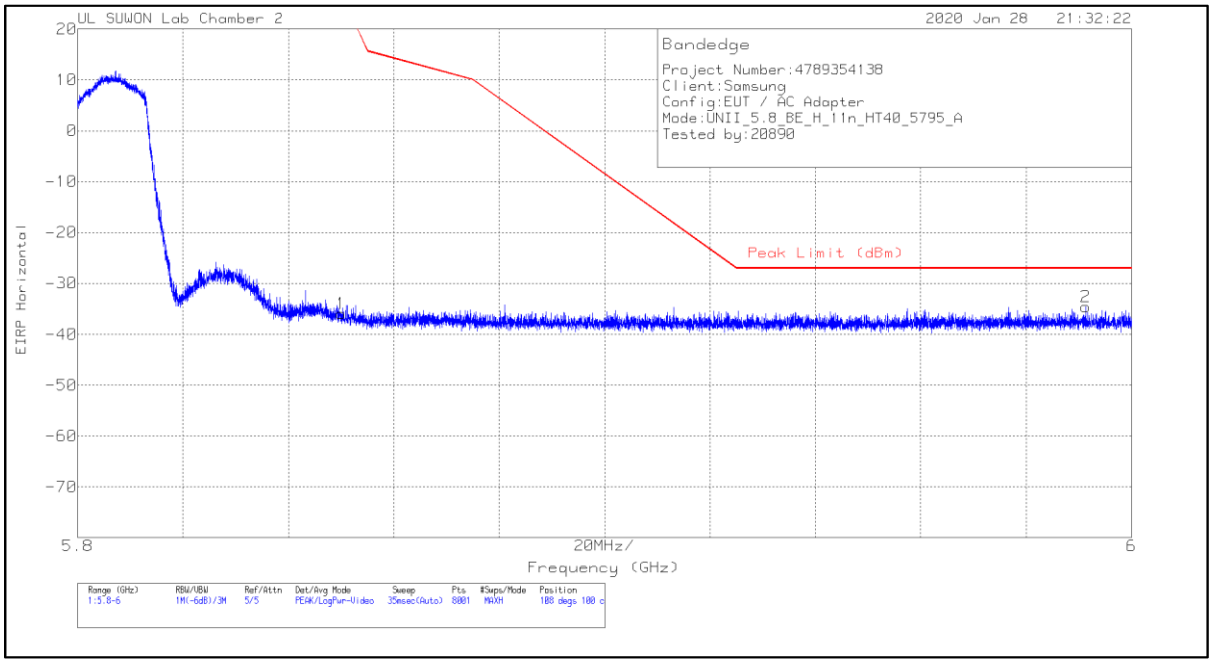
BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-64.89	Pk	34.5	-17.3	11.8	0	-35.89	26.94	-62.83	108	100	H
2	5.9913	-63.91	Pk	34.8	-17.3	11.8	0	-34.61	-27	-7.61	108	100	H

Pk - Peak detector

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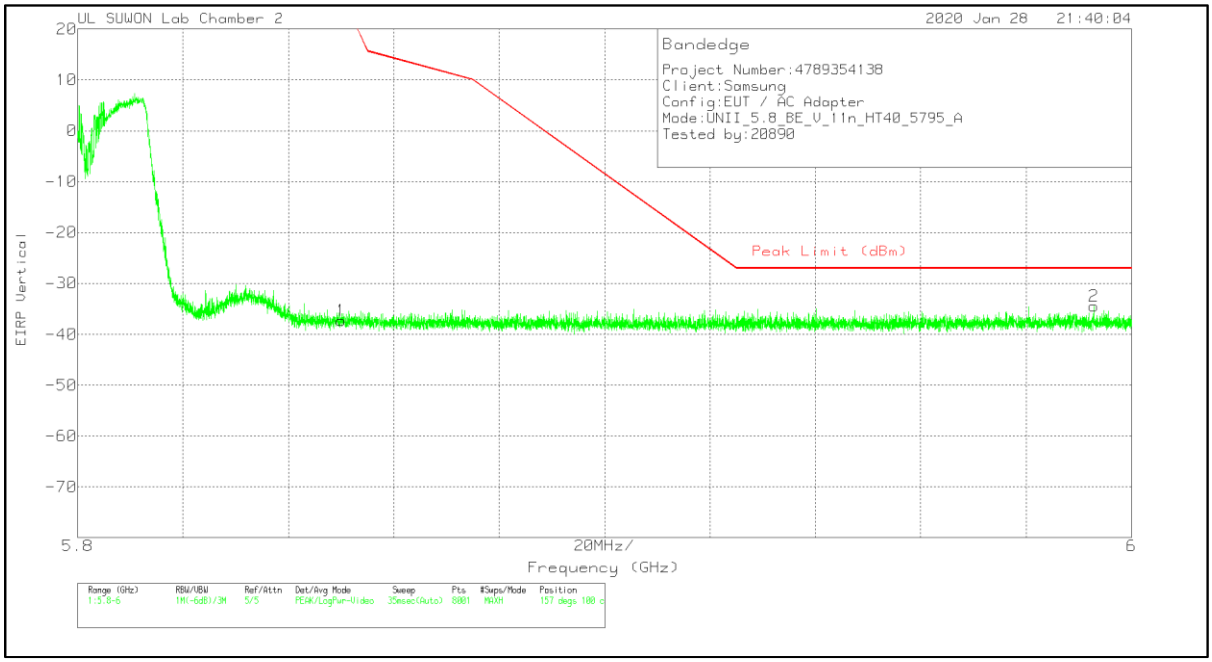
VERTICAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	170531_3117[00168724]	10dB_ATT[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-66.27	Pk	34.5	-17.3	11.8	0	-37.27	26.94	-64.21	157	100	V
2	5.99288	-63.72	Pk	34.8	-17.3	11.8	0	-34.42	-27	-7.42	157	100	V

Pk - Peak detector

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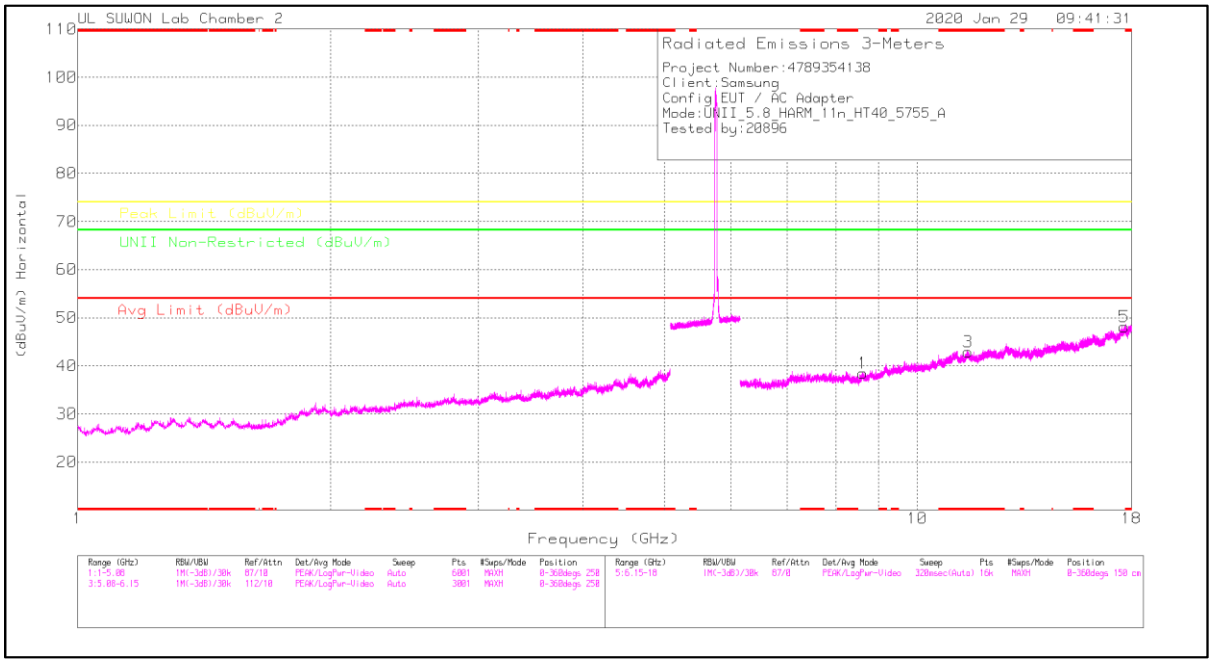
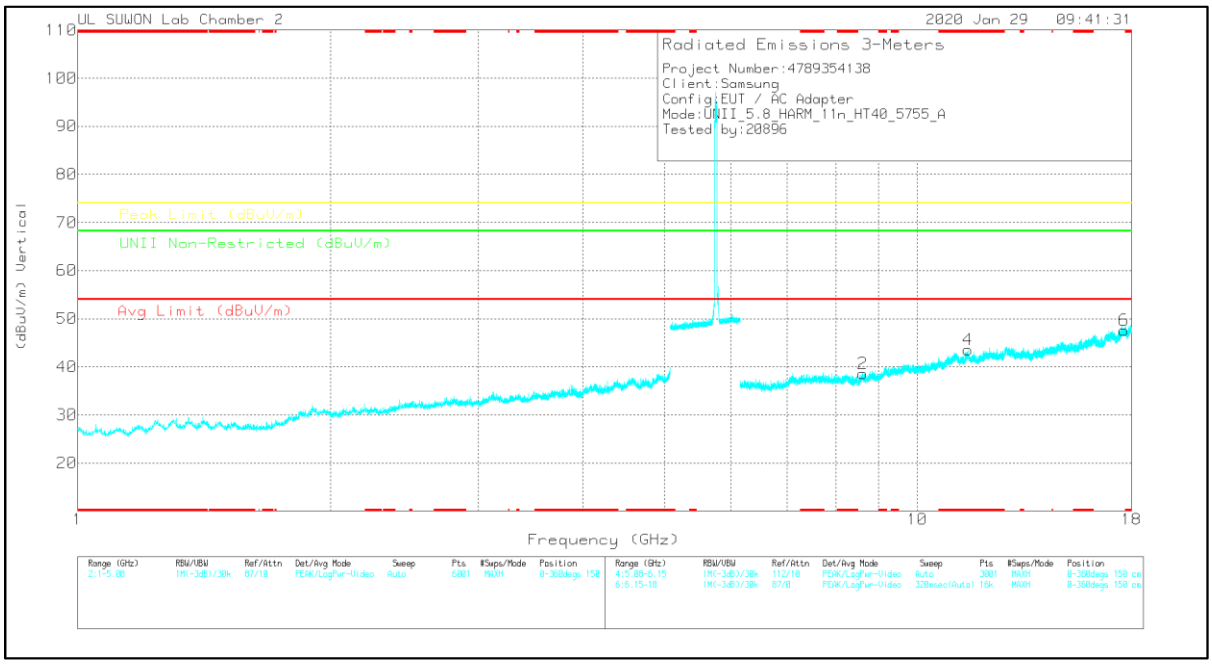
HARMONICS AND SPURIOUS EMISSIONS

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.

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LOW CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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)	Azimuth (Degs)	Height (cm)	Polarity
8.60961	34.06	PK-U	36.1	-21.8	0	48.36	-	-	-	-	68.2	-19.84	0	100	H
8.61011	33.87	PK-U	36.1	-21.8	0	48.17	-	-	-	-	68.2	-20.03	0	100	V
* 11.49991	33.71	PK-U	38.3	-19.6	0	52.41	-	-	74	-21.59	-	-	0	100	H
* 11.49918	34.09	PK-U	38.3	-19.6	0	52.79	-	-	74	-21.21	-	-	0	100	V
17.64481	34.02	PK-U	41.5	-17.2	0	58.32	-	-	-	-	68.2	-9.88	0	100	H
17.64516	33.88	PK-U	41.5	-17.3	0	58.08	-	-	-	-	68.2	-10.12	0	100	V

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

PK-U - U-NII: Maximum Peak

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