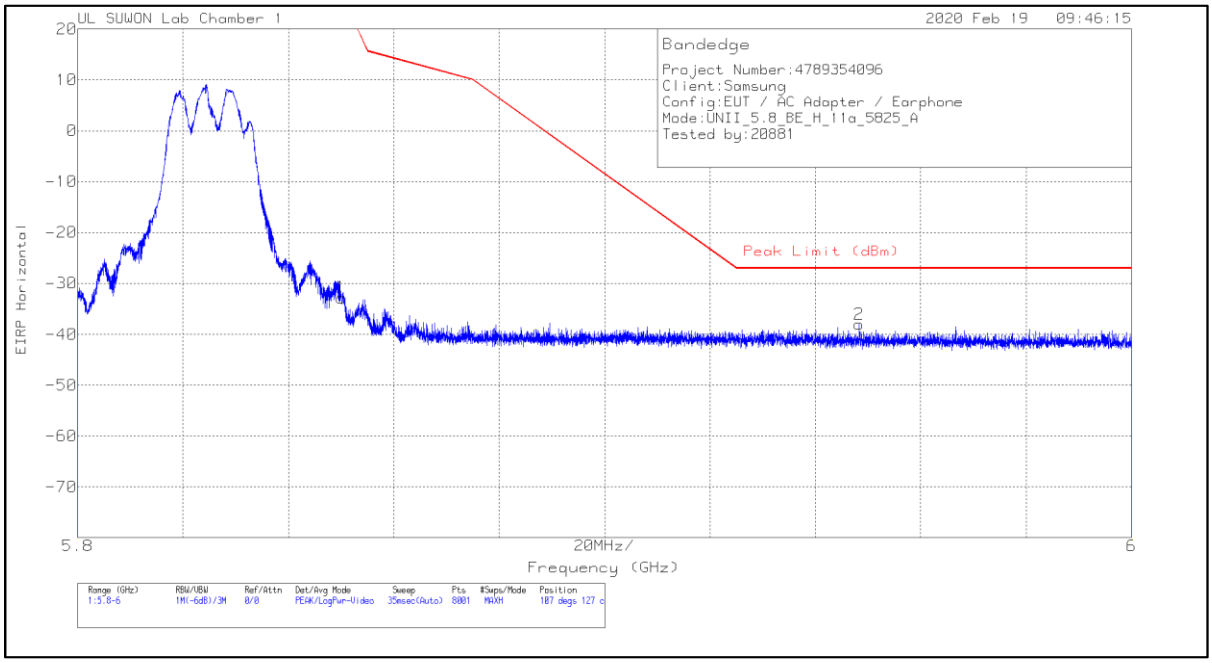
BANDEDGE (High CHANNEL_ANT ALL)

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	5.85003	-58.59	Pk	35	-21	11.8	0	-32.79	26.94	-59.73	107	127	H
2	5.94833	-64.2	Pk	35.1	-20.7	11.8	0	-38	-27	-11	107	127	H

Pk - Peak detector

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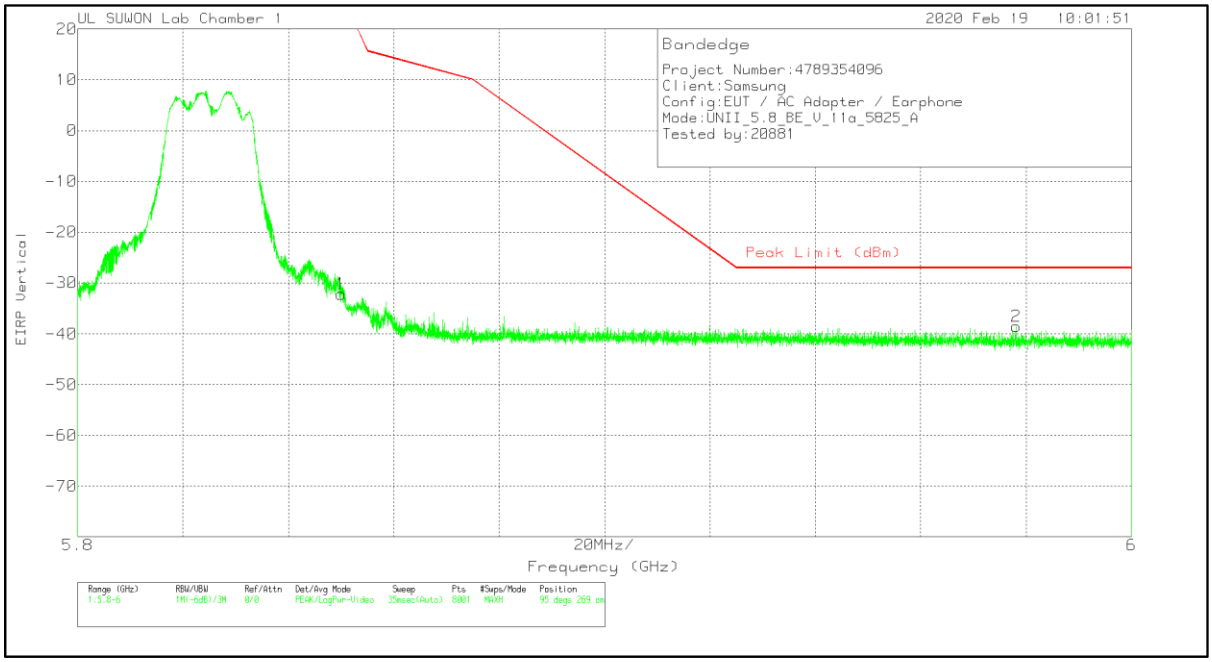
VERTICAL PEAK DATA



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	5.85003	-57.97	Pk	35	-21	11.8	0	-32.17	26.94	-59.11	95	269	V
2	5.97808	-64.69	Pk	35.1	-20.7	11.8	0	-38.49	-27	-11.49	95	269	V

Pk - Peak detector

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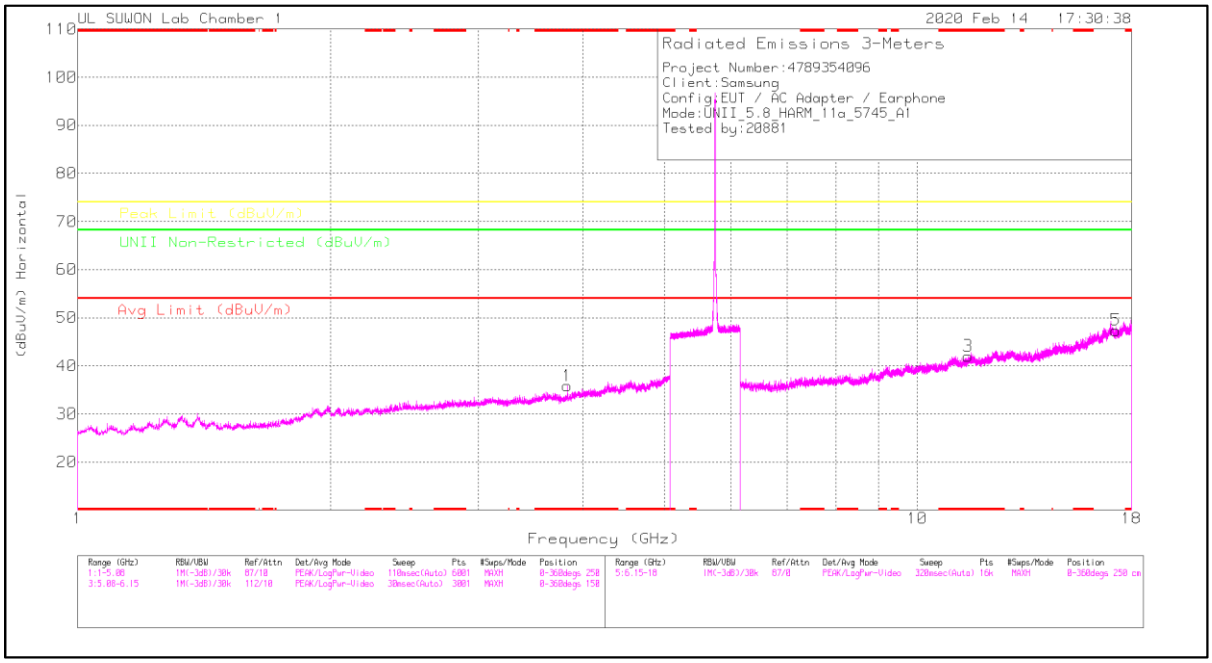
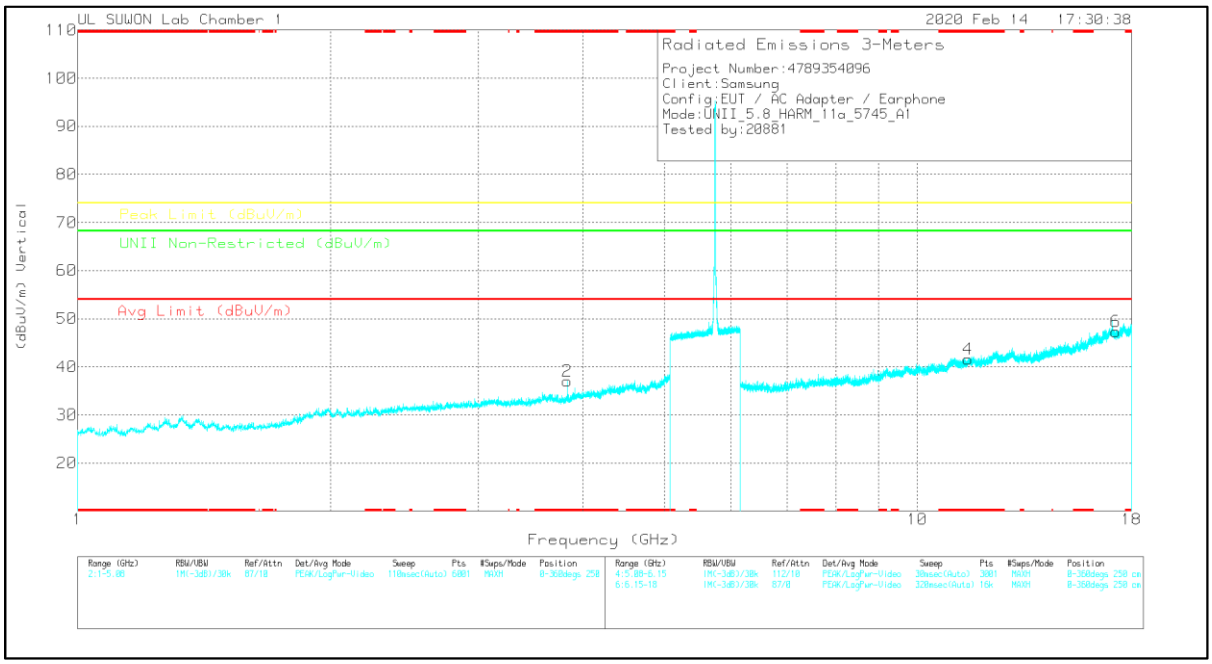
HARMONICS AND SPURIOUS EMISSIONS

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	5GHz_LP[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
* 3.83014	45.97	PK-U	33.3	-33.1	0	46.17	-	-	74	-27.83	-	-	179	100	H
* 3.83006	36.48	ADR	33.3	-33.1	.17	36.85	54	-17.15	-	-	-	-	179	100	H
* 3.83	46.42	PK-U	33.3	-33.1	0	46.62	-	-	74	-27.38	-	-	192	330	V
* 3.82992	38.67	ADR	33.3	-33.1	.17	39.04	54	-14.96	-	-	-	-	192	330	V
* 11.49424	35.21	PK-U	38.5	-22.5	0	51.21	-	-	74	-22.79	-	-	0	100	H
* 11.49544	35.25	PK-U	38.5	-22.4	0	51.35	-	-	74	-22.65	-	-	0	100	V
17.22856	33.86	PK-U	41.3	-17.6	0	57.56	-	-	-	-	68.2	-10.64	0	100	H
17.2288	33.67	PK-U	41.3	-17.6	0	57.37	-	-	-	-	68.2	-10.83	0	100	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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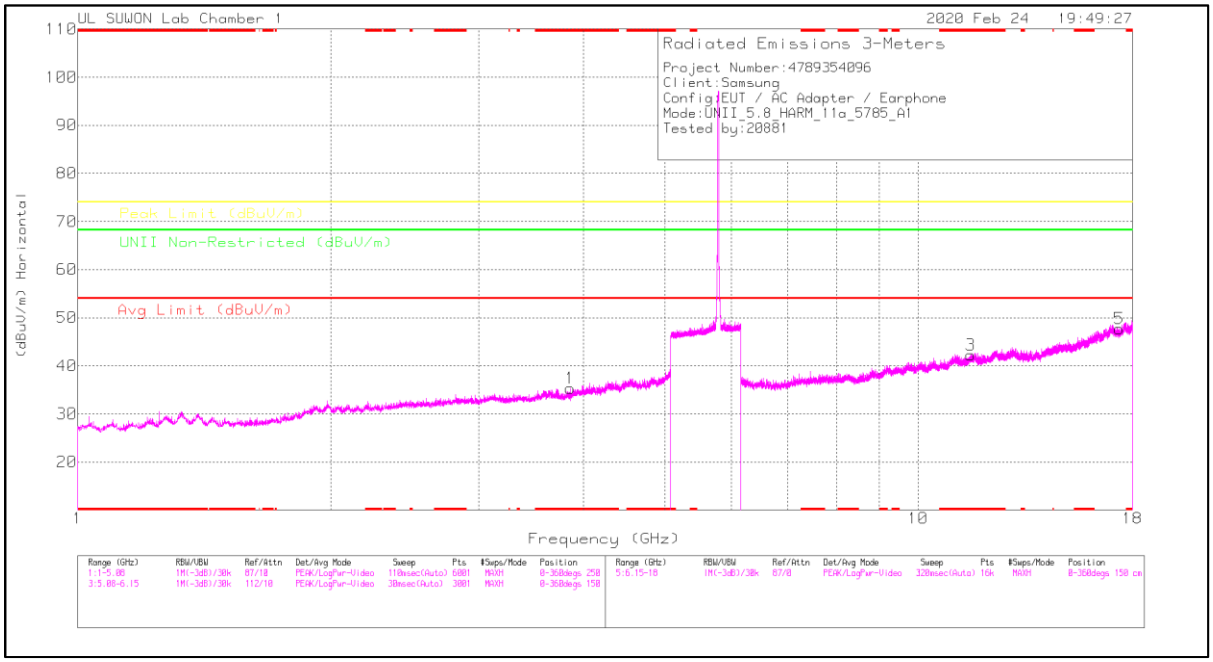
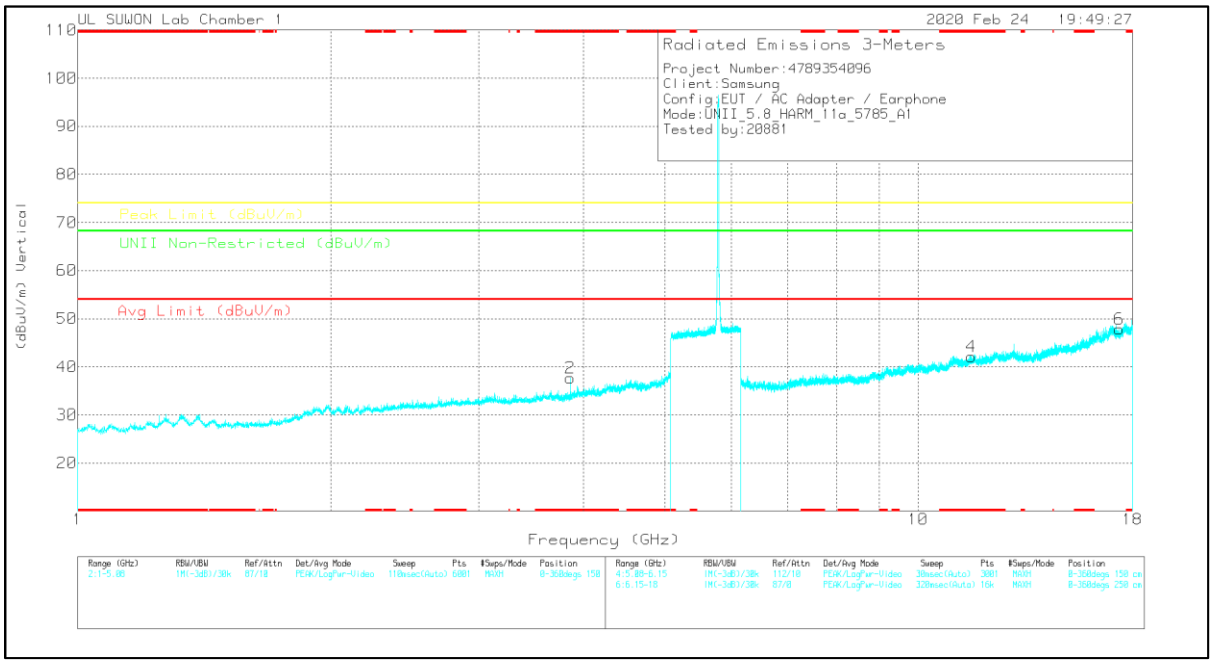
MID CHANNEL HORIZONTAL



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	5GHz_LP[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
* 3.85674	46.68	PK-U	33.4	-32.9	0	47.18	-	-	74	-26.82	-	-	181	100	H
* 3.85672	35.45	ADR	33.4	-32.9	.17	36.12	54	-17.88	-	-	-	-	181	100	H
* 3.8569	44.91	PK-U	33.4	-32.9	0	45.41	-	-	74	-28.59	-	-	129	104	V
* 3.8566	34.25	ADR	33.4	-32.9	.17	34.92	54	-19.08	-	-	-	-	129	104	V
* 11.56652	35.32	PK-U	38.6	-22.3	0	51.62	-	-	74	-22.38	-	-	0	100	H
* 11.56677	35.62	PK-U	38.6	-22.3	0	51.92	-	-	74	-22.08	-	-	0	100	V
17.36301	34.29	PK-U	41.2	-17.8	0	57.69	-	-	-	-	68.2	-10.51	0	100	H
17.36158	34.14	PK-U	41.2	-17.7	0	57.64	-	-	-	-	68.2	-10.56	0	100	V

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

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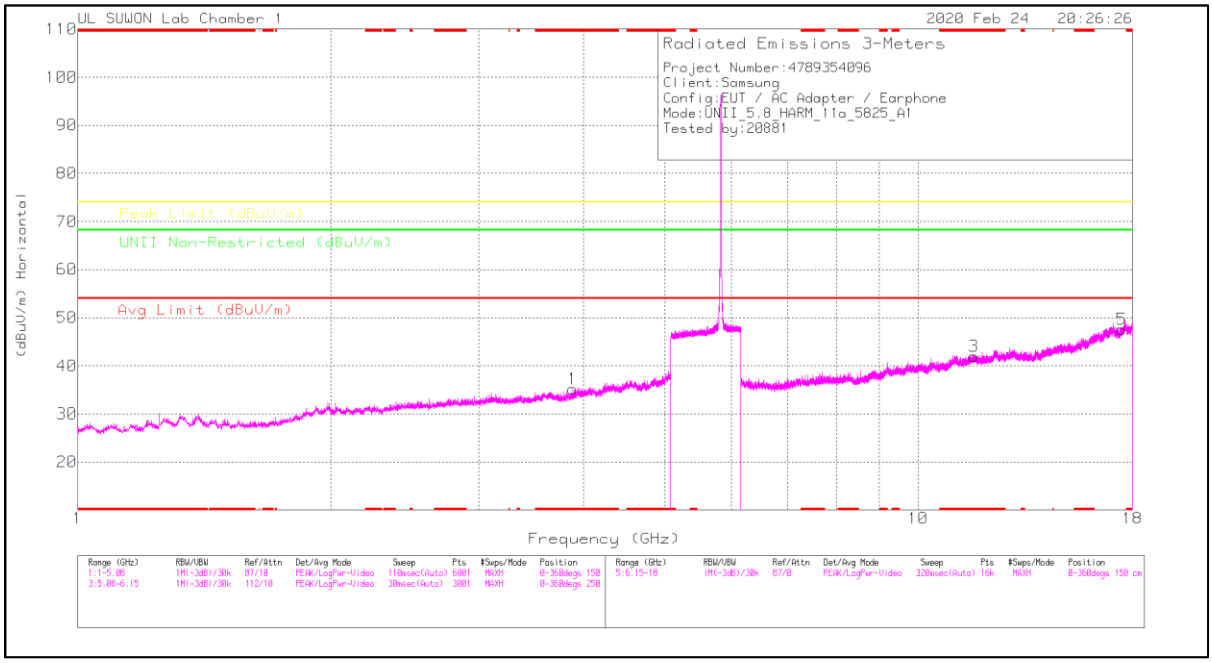
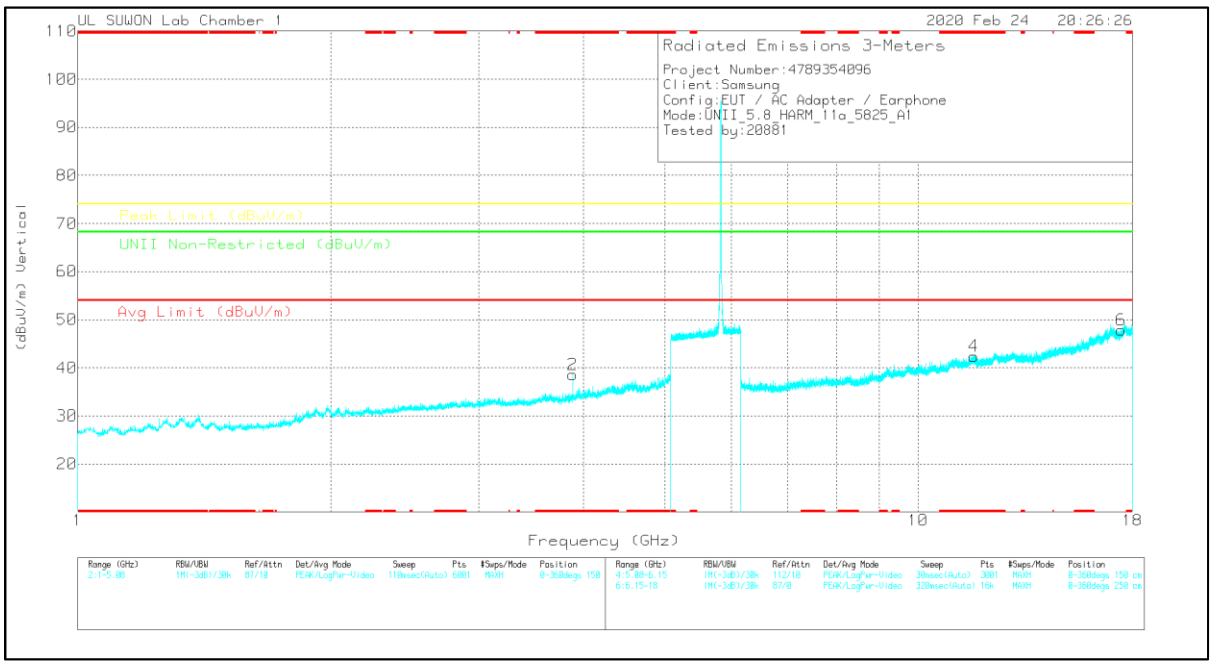
High CHANNEL HORIZONTAL



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	5GHz_LP[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
* 3.88718	44.7	PK-U	33.4	-32.7	0	45.4	-	-	74	-28.6	-	-	178	100	H
* 3.88324	35.48	ADR	33.4	-32.7	.17	36.35	54	-17.65	-	-	-	-	178	100	H
* 3.88314	44.74	PK-U	33.4	-32.7	0	45.44	-	-	74	-28.56	-	-	129	102	V
* 3.88326	33.96	ADR	33.4	-32.7	.17	34.83	54	-19.17	-	-	-	-	129	102	V
* 11.65655	35.28	PK-U	38.7	-21.8	0	52.18	-	-	74	-21.82	-	-	0	100	H
* 11.65539	35.12	PK-U	38.7	-21.8	0	52.02	-	-	74	-21.98	-	-	0	100	V
17.47272	34.37	PK-U	41.2	-17.6	0	57.97	-	-	-	-	68.2	-10.23	0	100	H
17.47247	33.95	PK-U	41.2	-17.6	0	57.55	-	-	-	-	68.2	-10.65	0	100	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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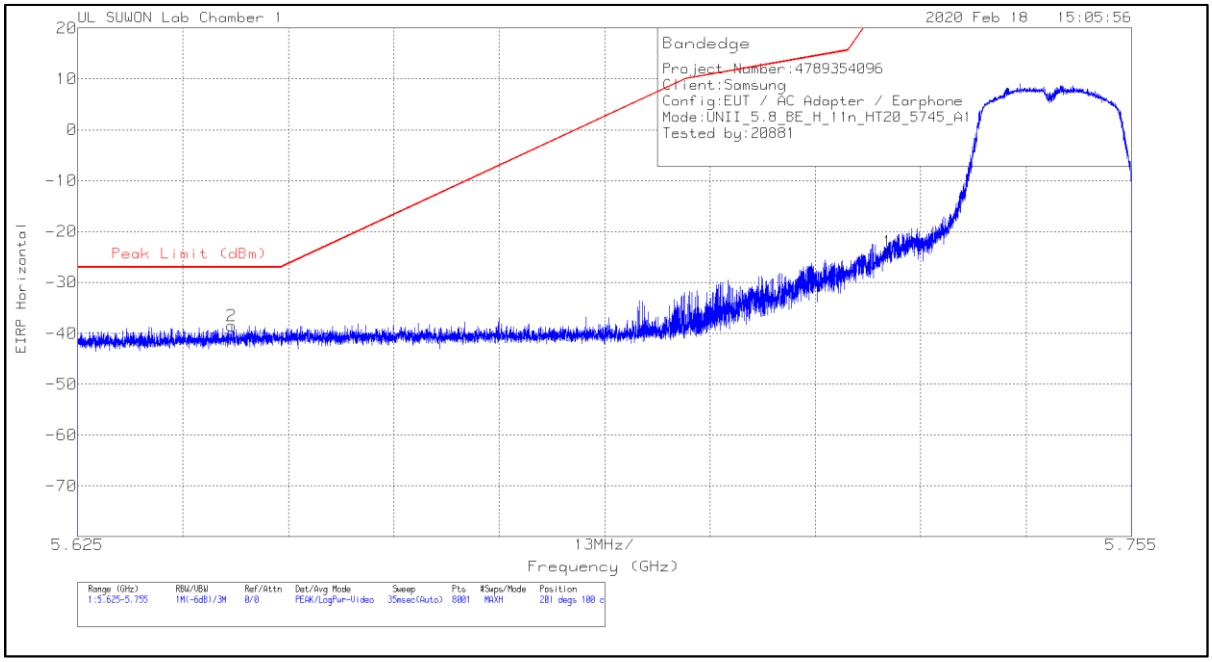
11.4.2. TX ABOVE 1GHz 802.11n HT20 2Tx MODE IN THE 5.8GHz BAND

BANDEDGE (Low CHANNEL_ANT1)

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	5.72499	-49.47	Pk	34.8	-21.1	11.8	0	-23.97	26.97	-50.94	201	100	H
2	5.644	-63.97	Pk	34.7	-21	11.8	0	-38.47	-27	-11.47	201	100	H

Pk - Peak detector

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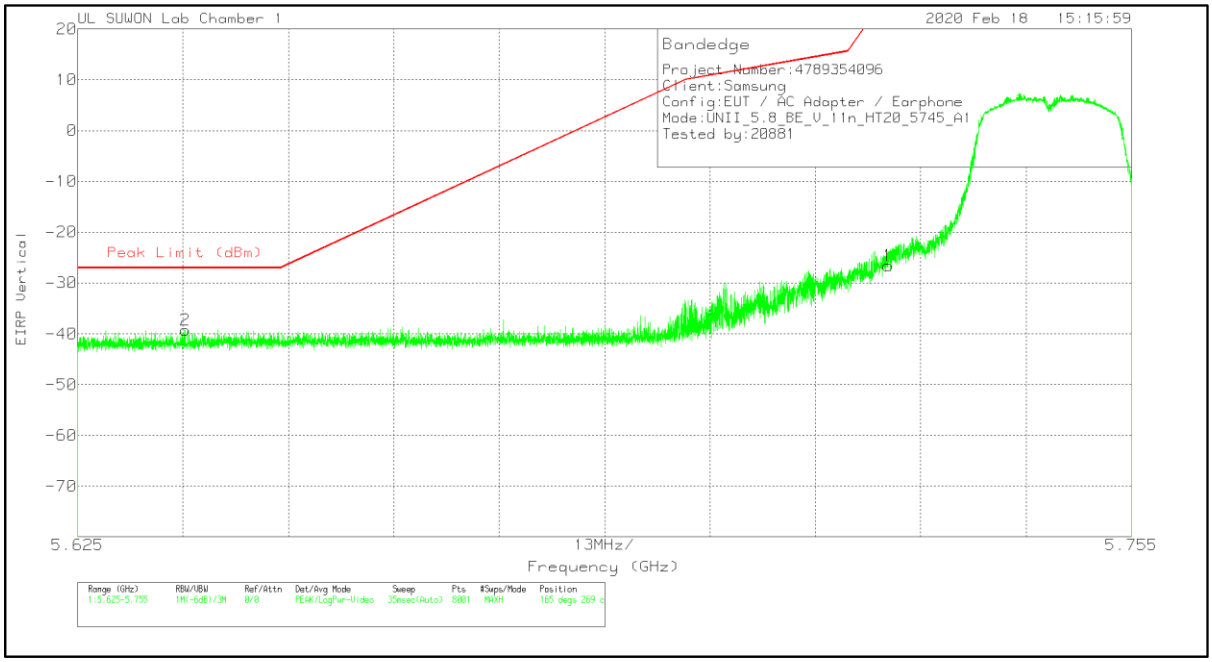
VERTICAL PEAK DATA



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	5.72499	-52.12	Pk	34.8	-21.1	11.8	0	-26.62	26.97	-53.59	165	269	V
2	5.63829	-64.62	Pk	34.7	-21.1	11.8	0	-39.22	-27	-12.22	165	269	V

Pk - Peak detector

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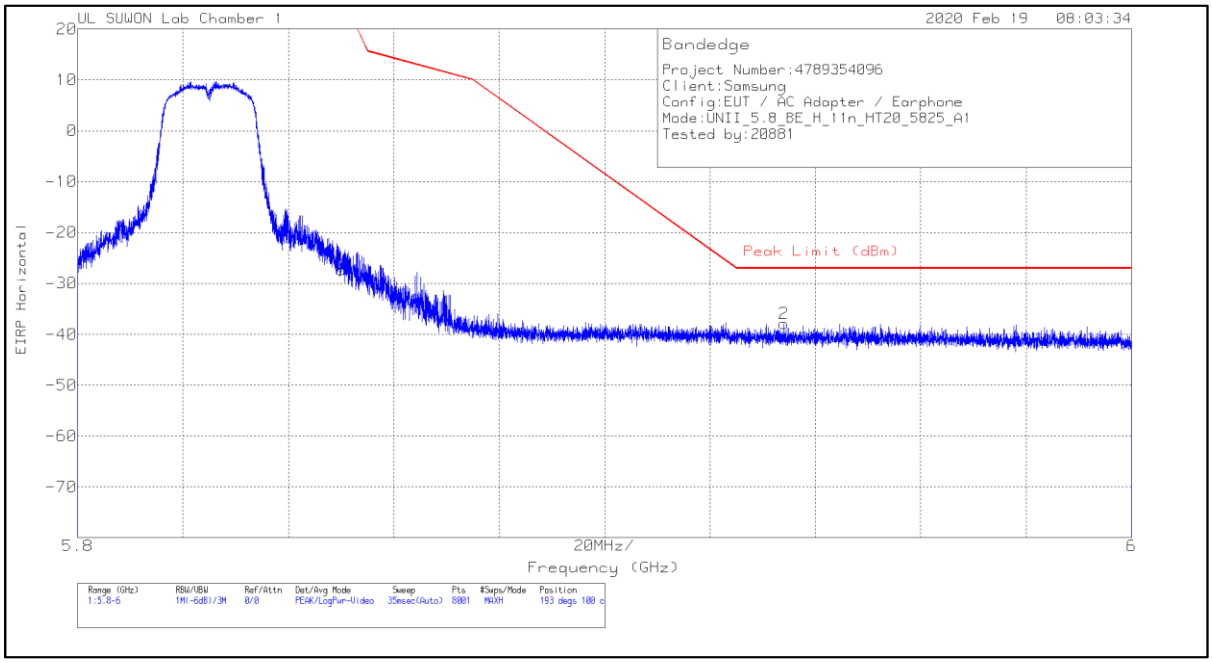
BANDEDGE (High CHANNEL_ANT1)

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	5.85003	-53.1	Pk	35	-21	11.8	0	-27.3	26.94	-54.24	193	100	H
2	5.93403	-63.9	Pk	35.1	-20.9	11.8	0	-37.9	-27	-10.9	193	100	H

Pk - Peak detector

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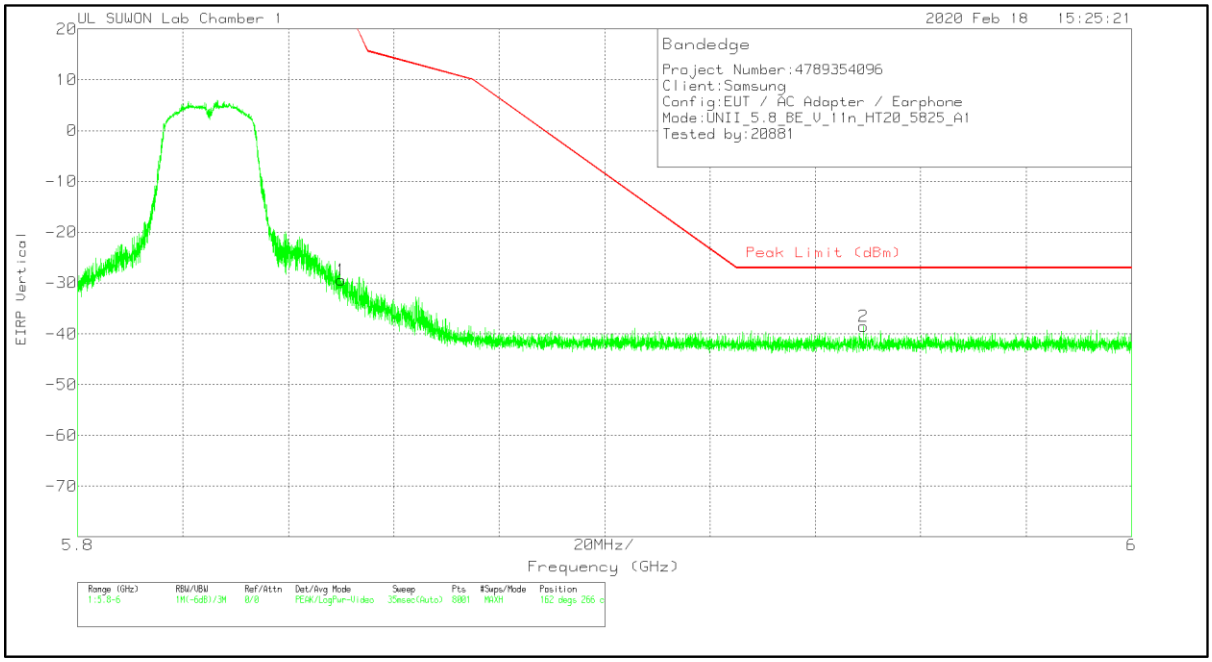
VERTICAL PEAK DATA



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	5.85003	-55.2	Pk	35	-21	11.8	0	-29.4	26.94	-56.34	162	266	V
2	5.9491	-64.76	Pk	35.1	-20.7	11.8	0	-38.56	-27	-11.56	162	266	V

Pk - Peak detector

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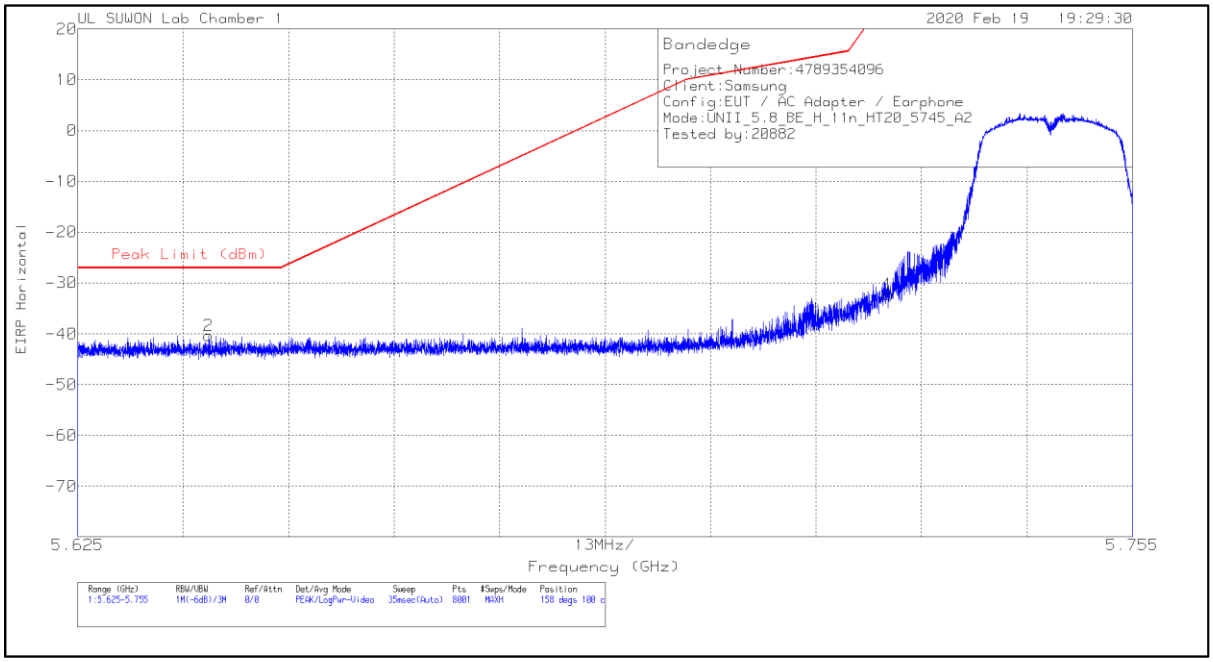
BANDEDGE (Low CHANNEL_ANT2)

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	5.72499	-57.79	Pk	34.8	-21.1	11.8	0	-32.29	26.97	-59.26	158	100	H
2	5.64114	-65.79	Pk	34.7	-21.1	11.8	0	-40.39	-27	-13.39	158	100	H

Pk - Peak detector

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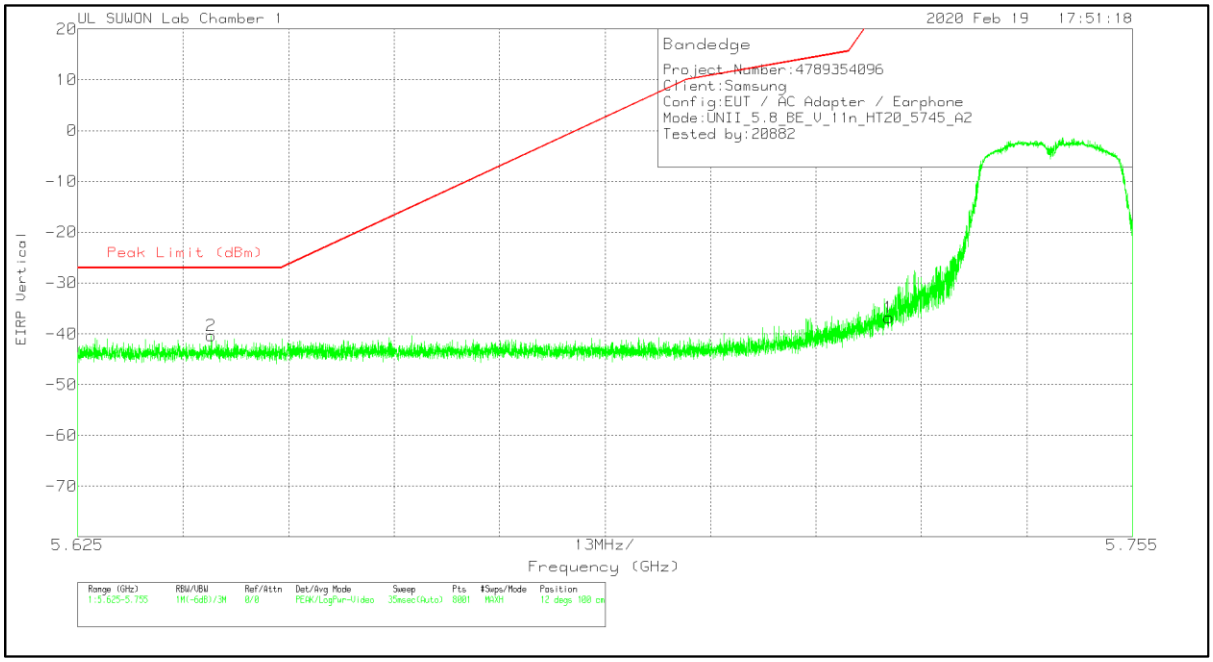
VERTICAL PEAK DATA



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	5.72499	-62.29	Pk	34.8	-21.1	11.8	0	-36.79	26.97	-63.76	12	100	V
2	5.64148	-65.76	Pk	34.7	-21.1	11.8	0	-40.36	-27	-13.36	12	100	V

Pk - Peak detector

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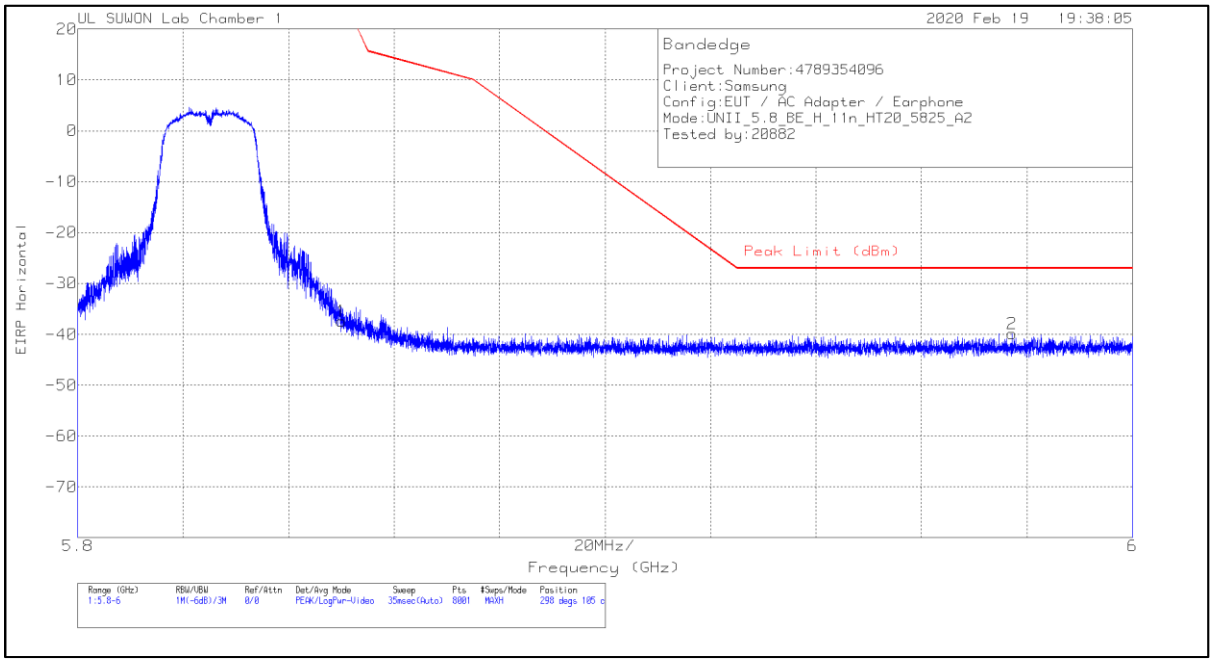
BANDEDGE (High CHANNEL_ANT2)

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	5.85003	-63.17	Pk	35	-21	11.8	0	-37.37	26.94	-64.31	298	105	H
2	5.97723	-66.07	Pk	35.1	-20.7	11.8	0	-39.87	-27	-12.87	298	105	H

Pk - Peak detector

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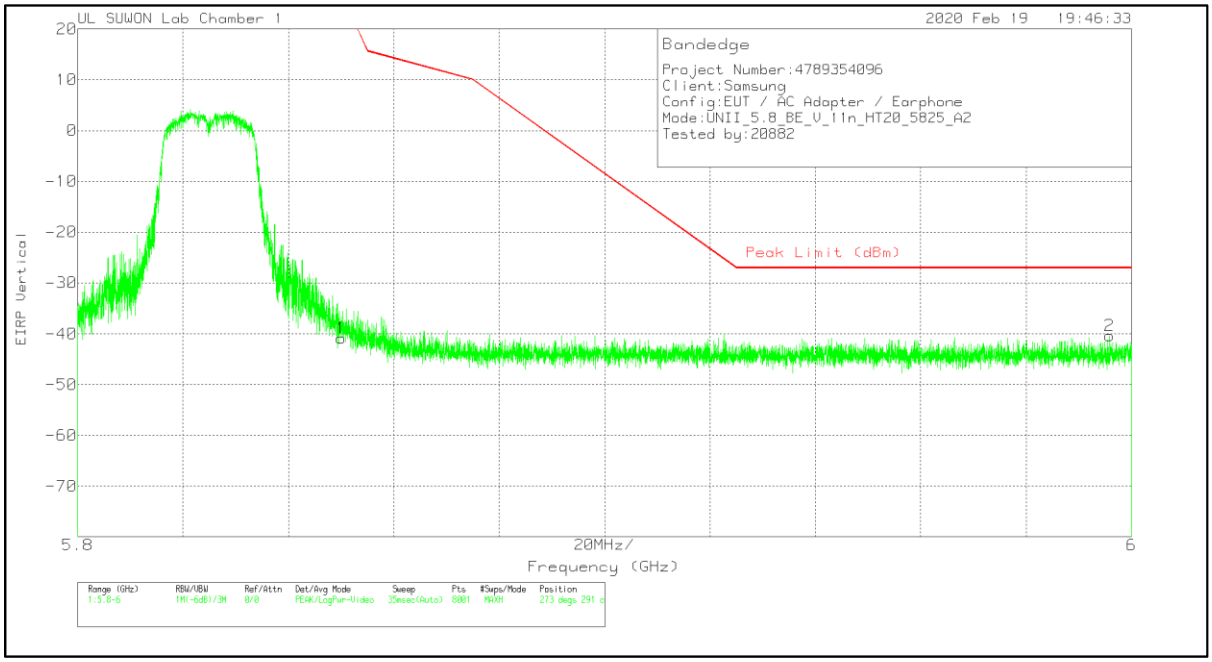
VERTICAL PEAK DATA



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	5.85003	-66.68	Pk	35	-21	11.8	0	-40.88	26.94	-67.82	273	291	V
2	5.99588	-66.66	Pk	35.1	-20.6	11.8	0	-40.36	-27	-13.36	273	291	V

Pk - Peak detector

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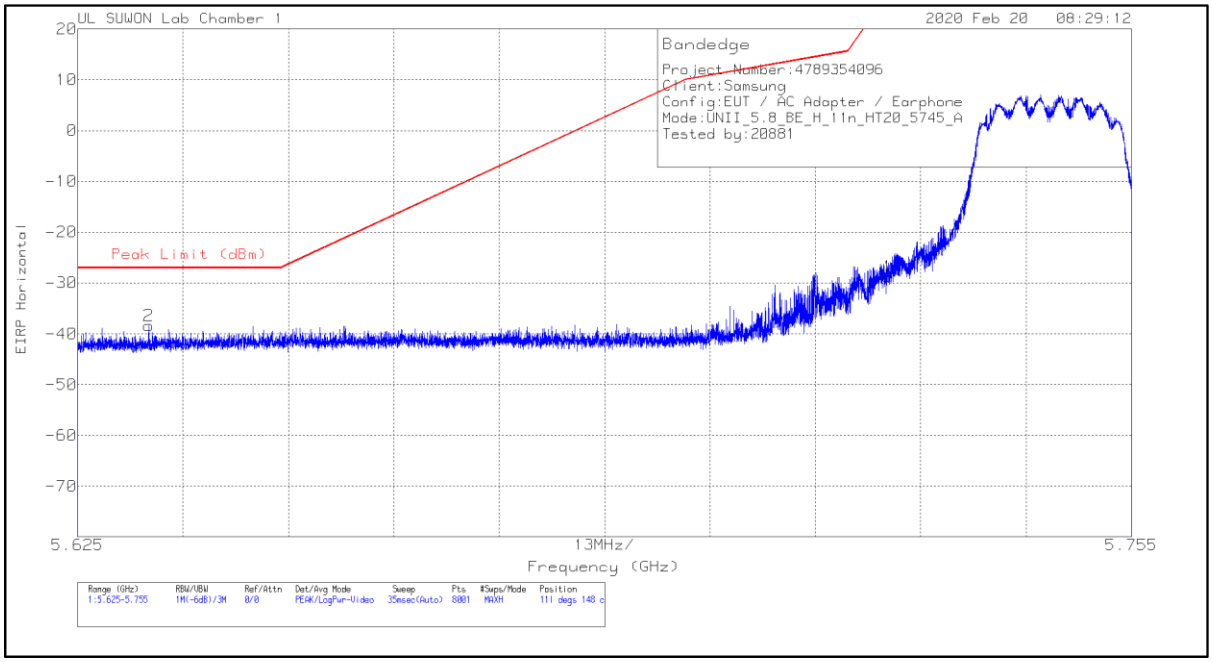
BANDEDGE (Low CHANNEL_ANT ALL)

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	5.72499	-54.3	Pk	34.8	-21.1	11.8	0	-28.8	26.97	-55.77	111	148	H
2	5.63376	-63.84	Pk	34.7	-21.1	11.8	0	-38.44	-27	-11.44	111	148	H

Pk - Peak detector

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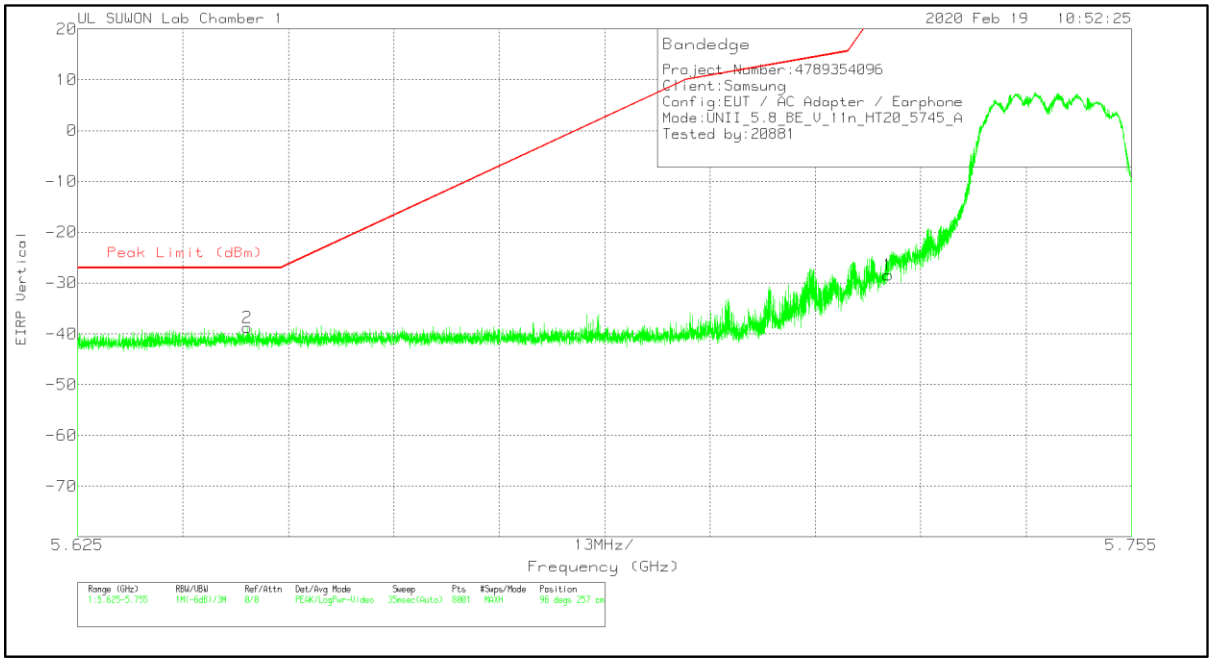
VERTICAL PEAK DATA



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	5.72499	-53.92	Pk	34.8	-21.1	11.8	0	-28.42	26.97	-55.39	96	257	V
2	5.6459	-64.24	Pk	34.7	-21	11.8	0	-38.74	-27	-11.74	96	257	V

Pk - Peak detector

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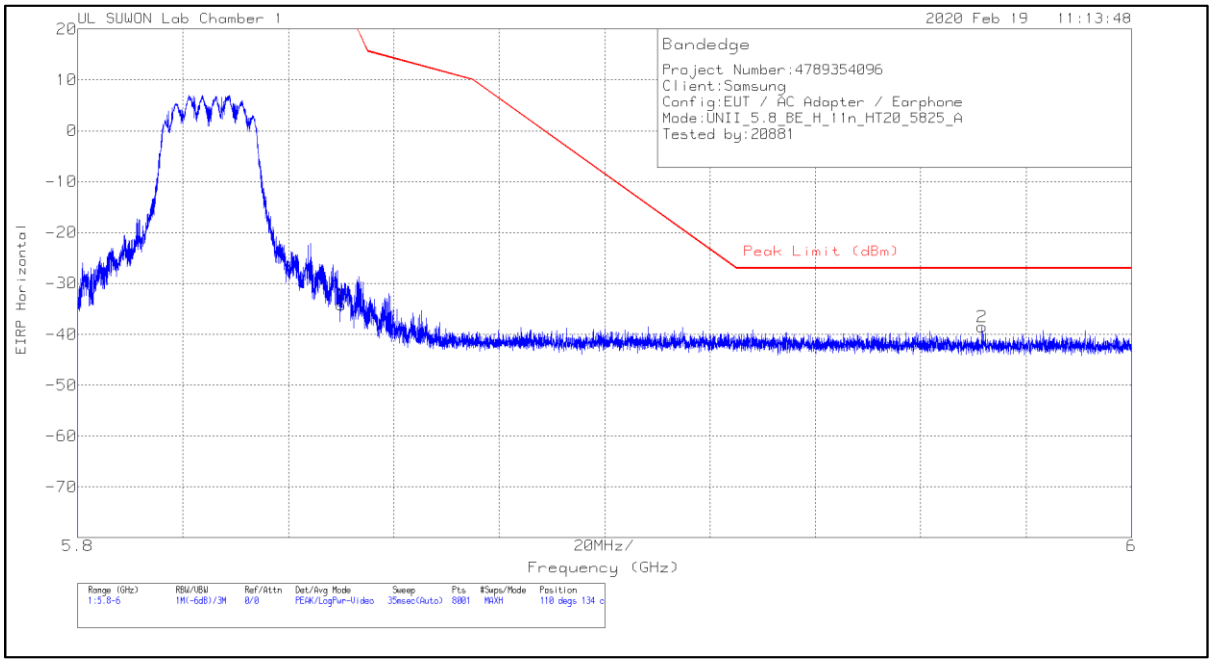
BANDEDGE (High CHANNEL_ANT ALL)

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	5.85003	-60.01	Pk	35	-21	11.8	0	-34.21	26.94	-61.15	110	134	H
2	5.97165	-64.77	Pk	35.1	-20.7	11.8	0	-38.57	-27	-11.57	110	134	H

Pk - Peak detector

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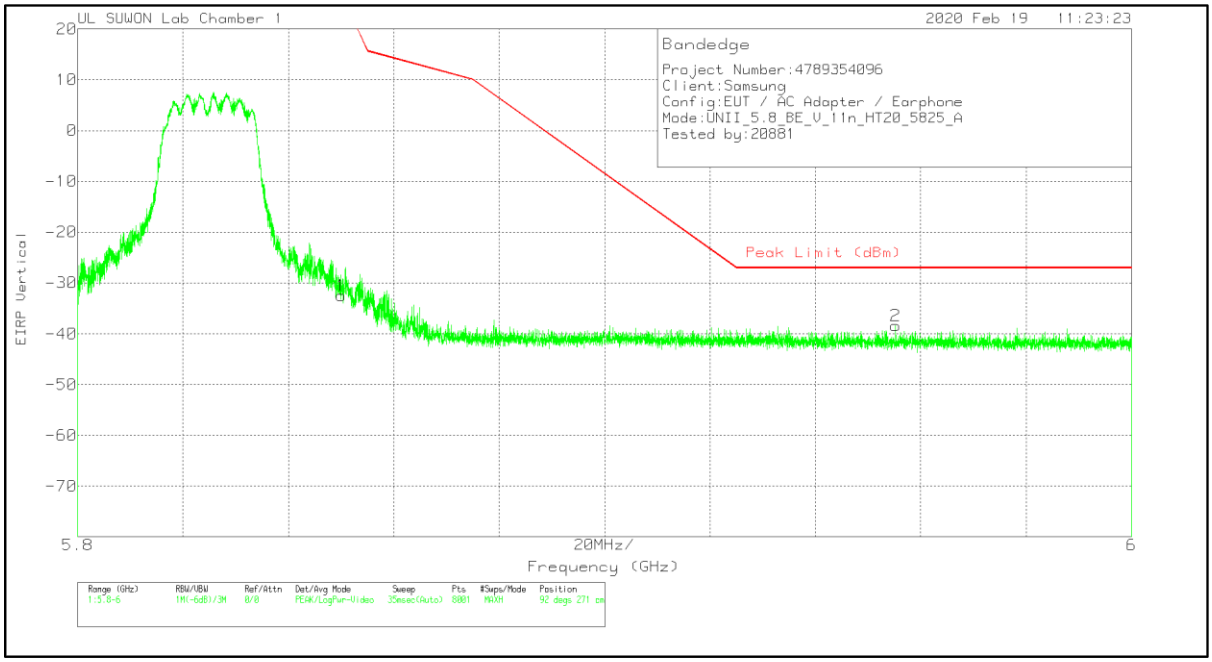
VERTICAL PEAK DATA



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	5.85003	-58.23	Pk	35	-21	11.8	0	-32.43	26.94	-59.37	92	271	V
2	5.95525	-64.52	Pk	35.1	-20.8	11.8	0	-38.42	-27	-11.42	92	271	V

Pk - Peak detector

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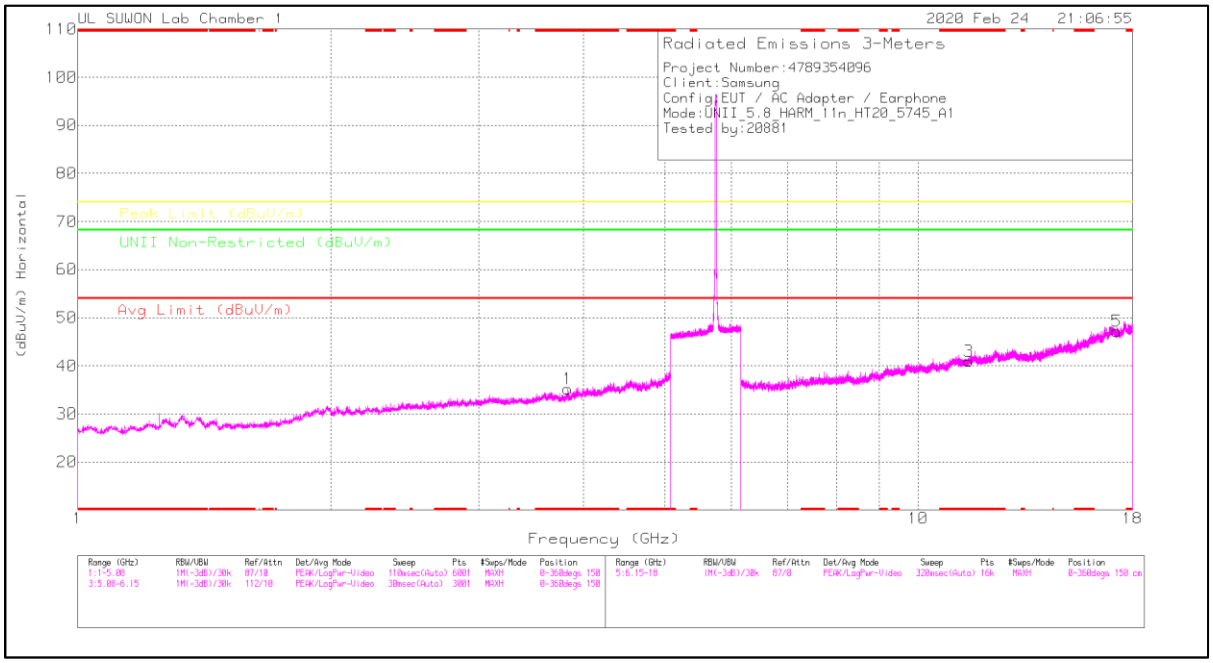
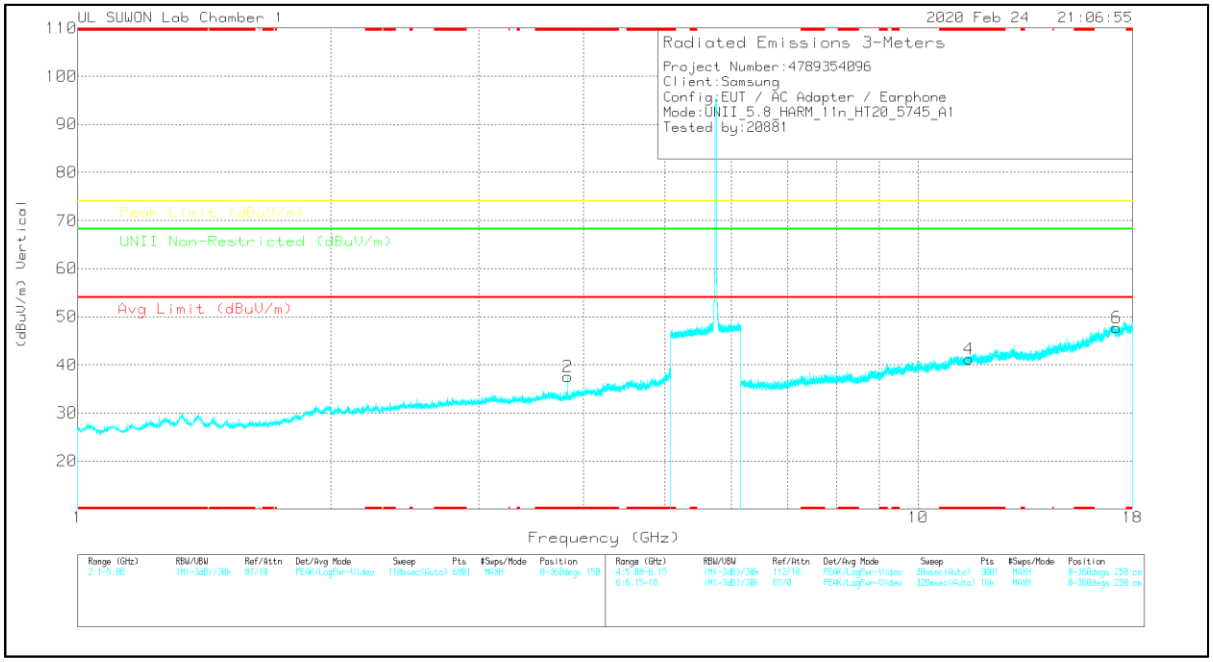
HARMONICS AND SPURIOUS EMISSIONS

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	5GHz_LP[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
* 3.82988	45.68	PK-U	33.3	-33.1	0	45.88	-	-	74	-28.12	-	-	176	100	H
* 3.83006	36.08	ADR	33.3	-33.1	.1	36.38	54	-17.62	-	-	-	-	176	100	H
* 3.82998	45.54	PK-U	33.3	-33.1	0	45.74	-	-	74	-28.26	-	-	127	100	V
* 3.83004	34.35	ADR	33.3	-33.1	.1	34.65	54	-19.35	-	-	-	-	127	100	V
* 11.49083	35.32	PK-U	38.5	-22.4	0	51.42	-	-	74	-22.58	-	-	0	100	H
* 11.49135	35.97	PK-U	38.5	-22.4	0	52.07	-	-	74	-21.93	-	-	0	100	V
17.23467	34.3	PK-U	41.3	-17.5	0	58.1	-	-	-	-	68.2	-10.1	0	100	H
17.23327	34	PK-U	41.3	-17.5	0	57.8	-	-	-	-	68.2	-10.4	0	100	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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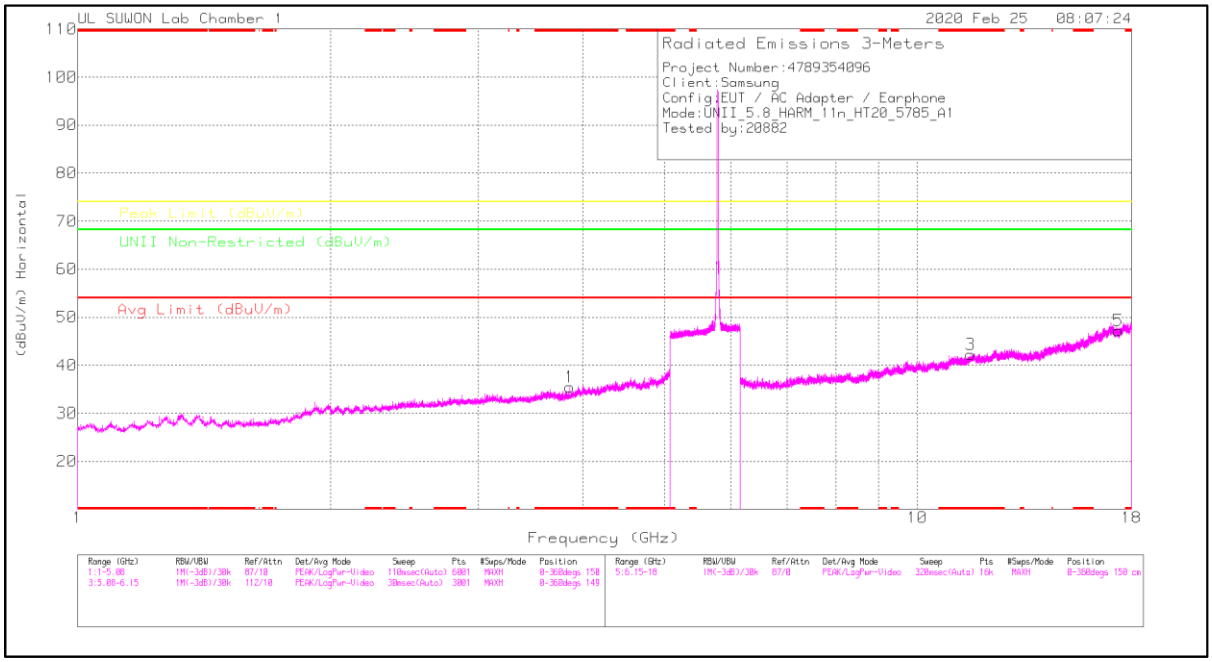
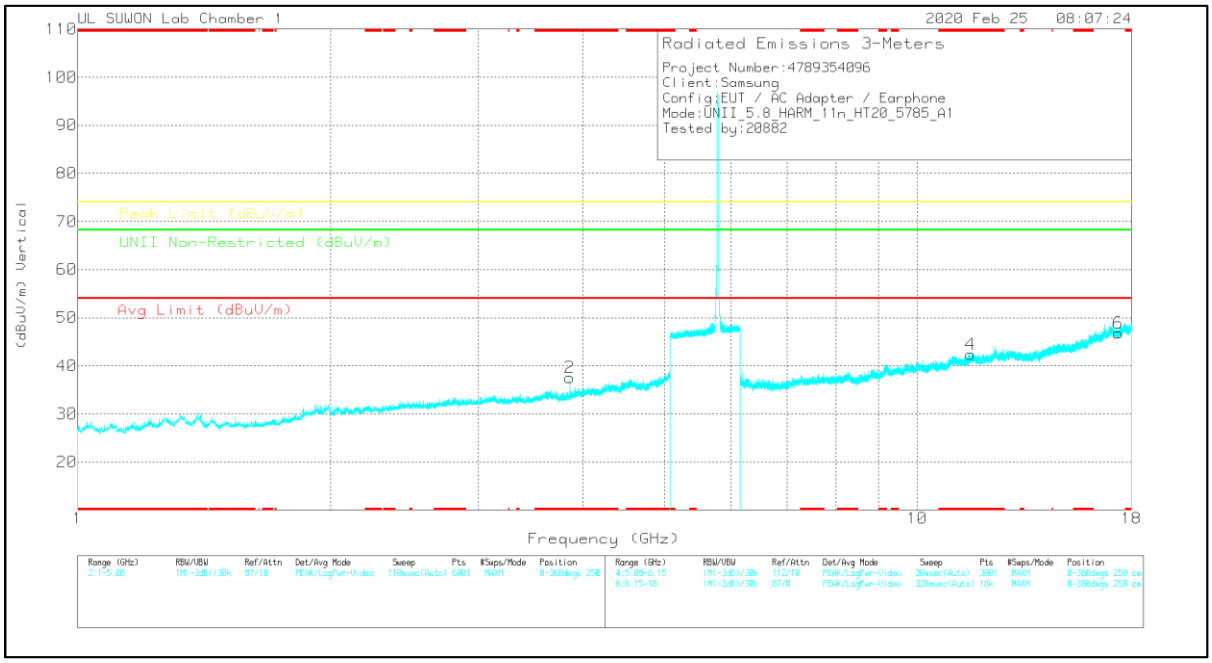
MID CHANNEL HORIZONTAL



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	5GHz_LP[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
* 3.85652	46.05	PK-U	33.4	-32.9	0	46.55	-	-	74	-27.45	-	-	177	101	H
* 3.8566	35.67	ADR	33.4	-32.9	.1	36.27	54	-17.73	-	-	-	-	177	101	H
* 3.85002	45.11	PK-U	33.4	-32.9	0	45.61	-	-	74	-28.39	-	-	128	102	V
* 3.85678	33.95	ADR	33.4	-32.9	.1	34.55	54	-19.45	-	-	-	-	128	102	V
* 11.57123	34.97	PK-U	38.6	-22.3	0	51.27	-	-	74	-22.73	-	-	0	100	H
* 11.5694	35.56	PK-U	38.6	-22.3	0	51.86	-	-	74	-22.14	-	-	0	100	V
17.354	34.54	PK-U	41.2	-17.8	0	57.94	-	-	-	-	68.2	-10.26	0	100	H
17.35533	34.54	PK-U	41.2	-17.7	0	58.04	-	-	-	-	68.2	-10.16	0	100	V

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

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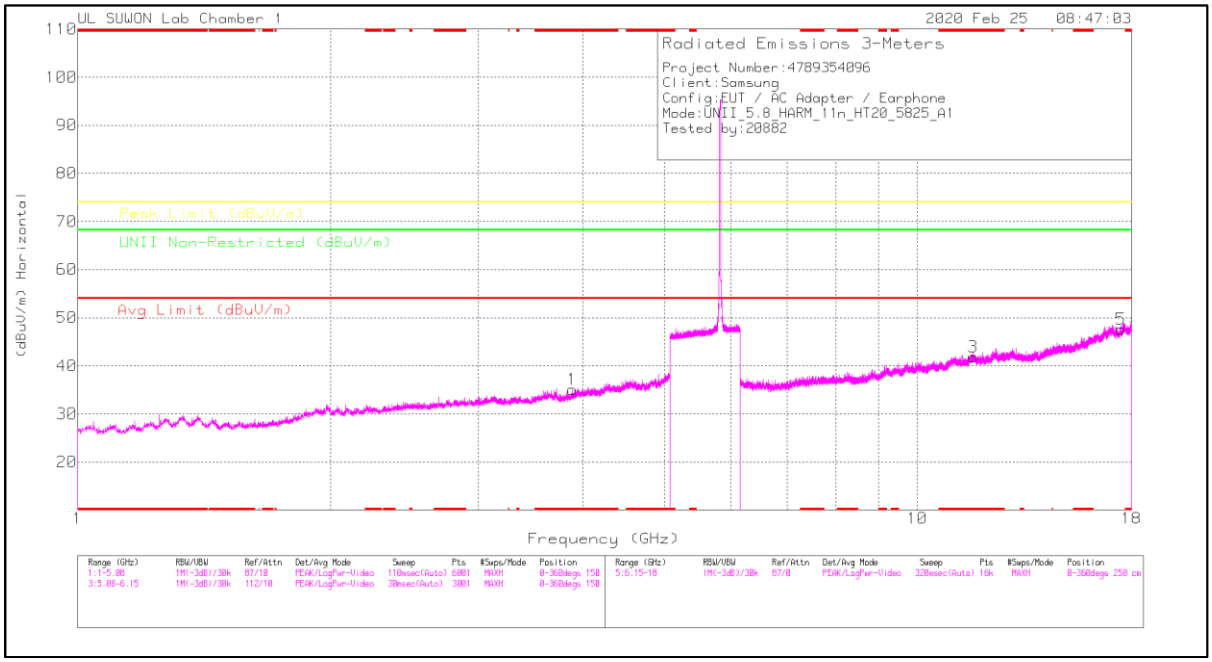
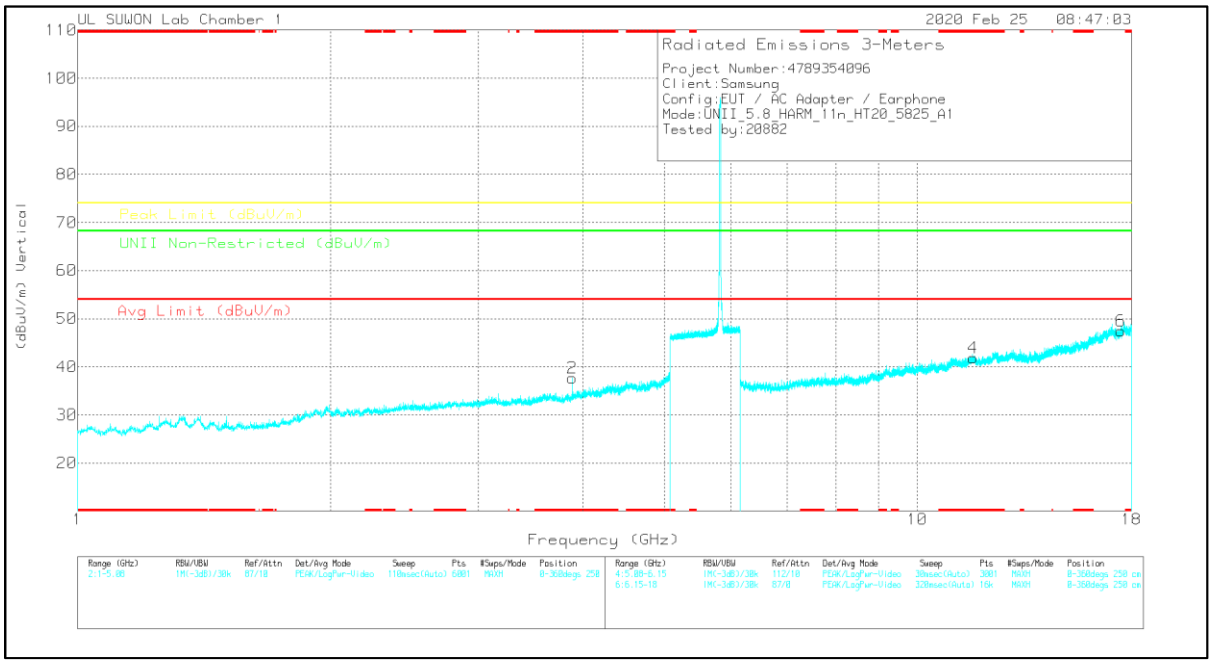
High CHANNEL HORIZONTAL



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	5GHz_LP[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
* 3.88308	44.88	PK-U	33.4	-32.7	0	45.58	-	-	74	-28.42	-	-	177	113	H
* 3.88334	35.12	ADR	33.4	-32.7	.1	35.92	54	-18.08	-	-	-	-	177	113	H
* 3.87562	44.47	PK-U	33.4	-32.8	0	45.07	-	-	74	-28.93	-	-	128	101	V
* 3.88336	33.93	ADR	33.4	-32.7	.1	34.73	54	-19.27	-	-	-	-	128	101	V
* 11.65757	35.64	PK-U	38.7	-21.7	0	52.64	-	-	74	-21.36	-	-	0	101	V
* 11.6558	35.37	PK-U	38.7	-21.8	0	52.27	-	-	74	-21.73	-	-	0	101	H
17.47197	34.51	PK-U	41.2	-17.6	0	58.11	-	-	-	-	68.2	-10.09	0	101	H
17.47026	33.92	PK-U	41.2	-17.6	0	57.52	-	-	-	-	68.2	-10.68	0	101	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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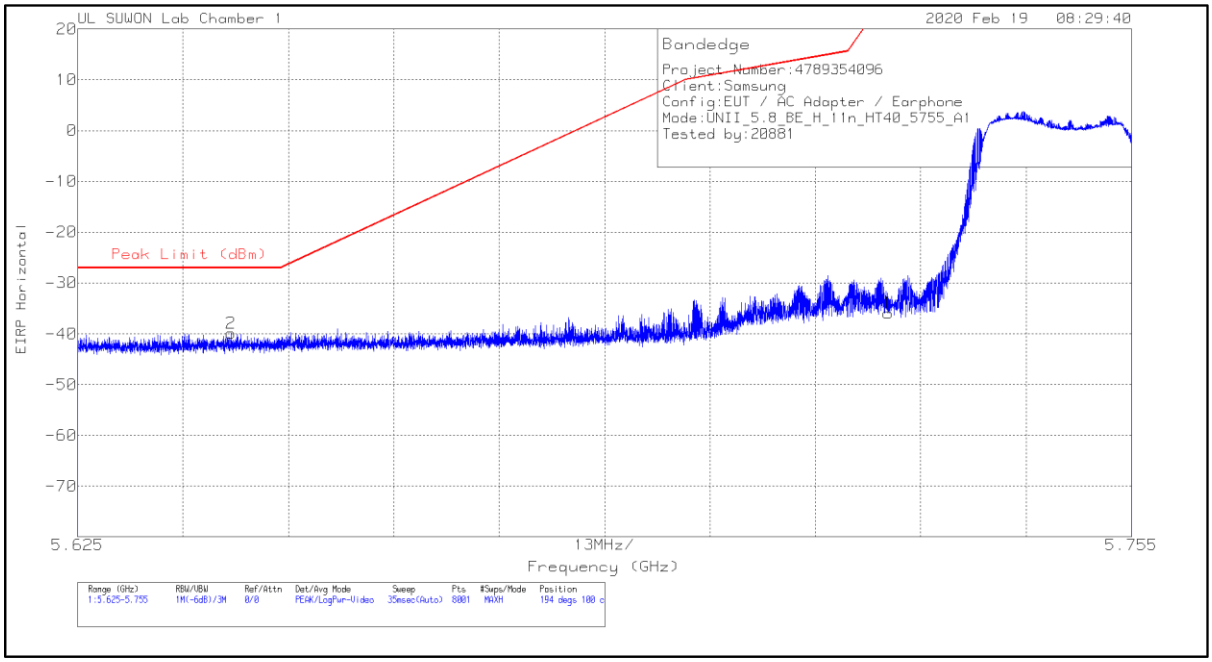
11.4.3. TX ABOVE 1GHz 802.11n HT40 2Tx MODE IN THE 5.8GHz BAND

BANDEDGE (Low CHANNEL_ANT1)

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	5.72499	-61.48	Pk	34.8	-21.1	11.8	0	-35.98	26.97	-62.95	194	100	H
2	5.64388	-65.42	Pk	34.7	-21	11.8	0	-39.92	-27	-12.92	194	100	H

Pk - Peak detector

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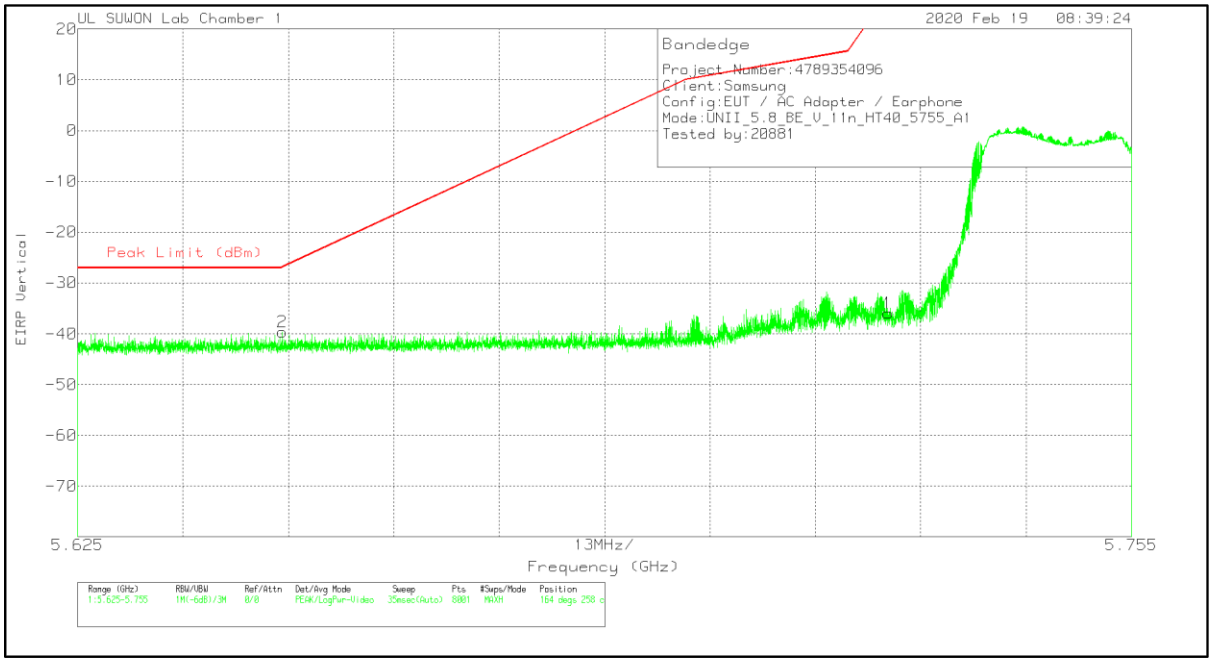
VERTICAL PEAK DATA



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	5.72499	-61.41	Pk	34.8	-21.1	11.8	0	-35.91	26.97	-62.88	164	258	V
2	5.65022	-65	Pk	34.7	-21.1	11.8	0	-39.6	-26.84	-12.76	164	258	V

Pk - Peak detector

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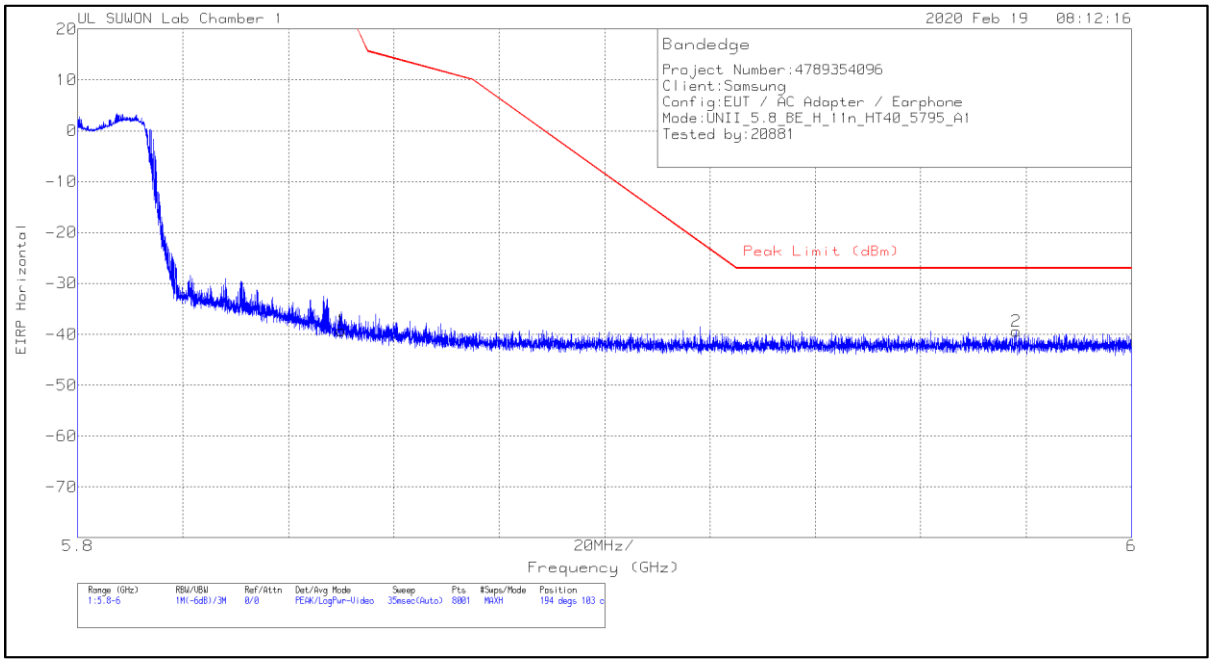
BANDEDGE (High CHANNEL_ANT1)

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	5.85003	-65.03	Pk	35	-21	11.8	0	-39.23	26.94	-66.17	194	103	H
2	5.97815	-65.53	Pk	35.1	-20.7	11.8	0	-39.33	-27	-12.33	194	103	H

Pk - Peak detector

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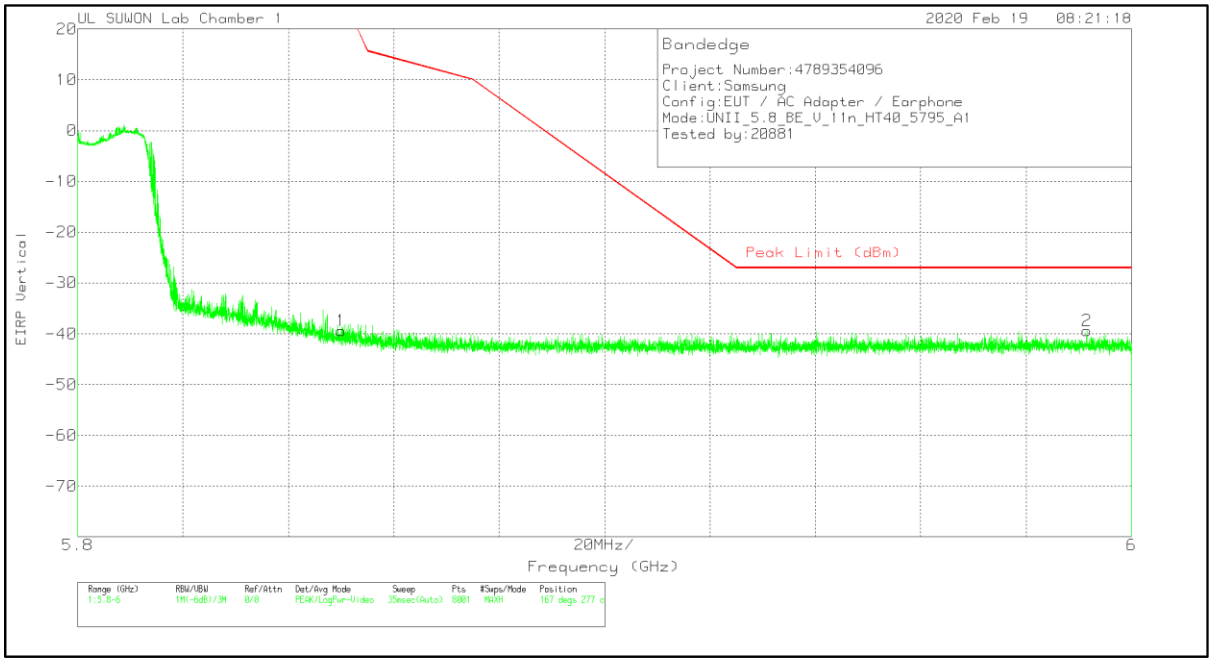
VERTICAL PEAK DATA



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	5.85003	-65.24	Pk	35	-21	11.8	0	-39.44	26.94	-66.38	167	277	V
2	5.99158	-65.55	Pk	35.1	-20.7	11.8	0	-39.35	-27	-12.35	167	277	V

Pk - Peak detector

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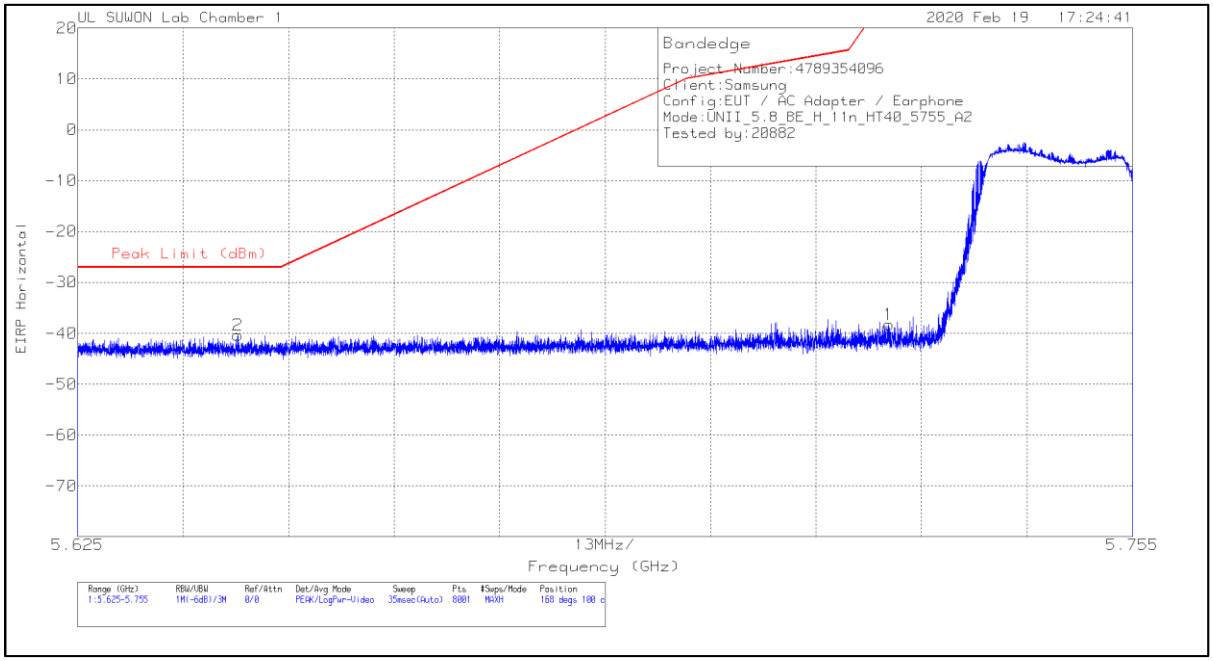
BANDEDGE (Low CHANNEL_ANT2)

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	5.72499	-63.75	Pk	34.8	-21.1	11.8	0	-38.25	26.97	-65.22	168	100	H
2	5.64473	-65.83	Pk	34.7	-21	11.8	0	-40.33	-27	-13.33	168	100	H

Pk - Peak detector

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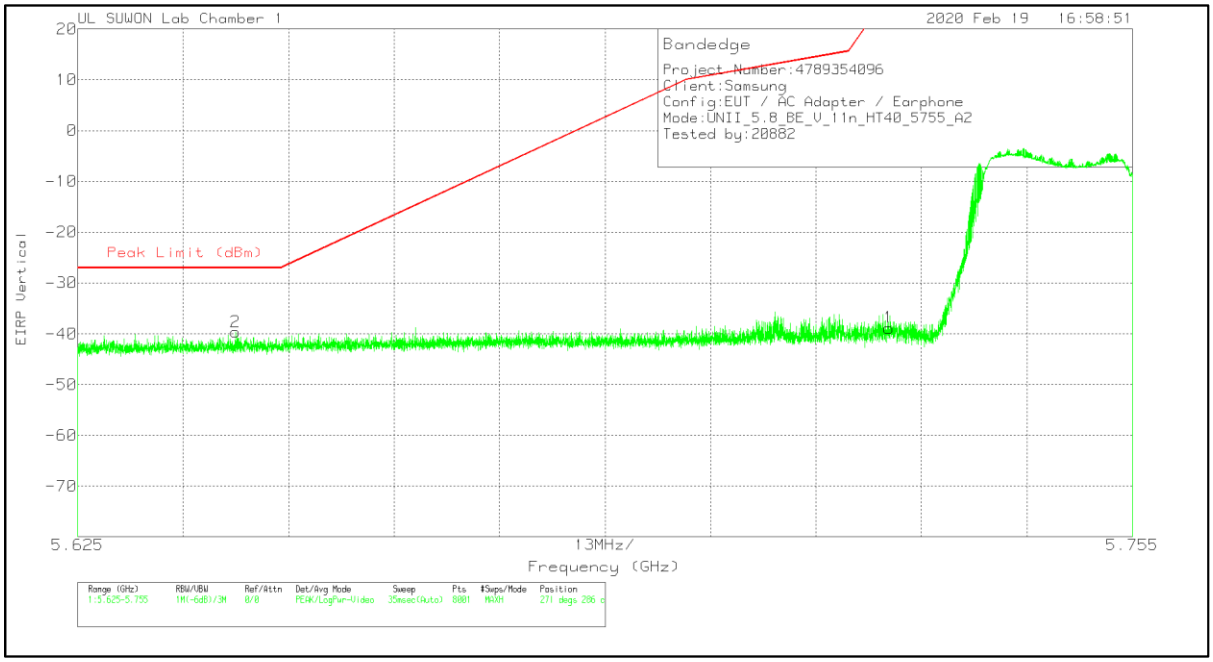

Trace Markers

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	5.72499	-64.33	Pk	34.8	-21.1	11.8	0	-38.83	26.97	-65.8	271	286	V
2	5.64445	-65.18	Pk	34.7	-21	11.8	0	-39.68	-27	-12.68	271	286	V

Pk - Peak detector

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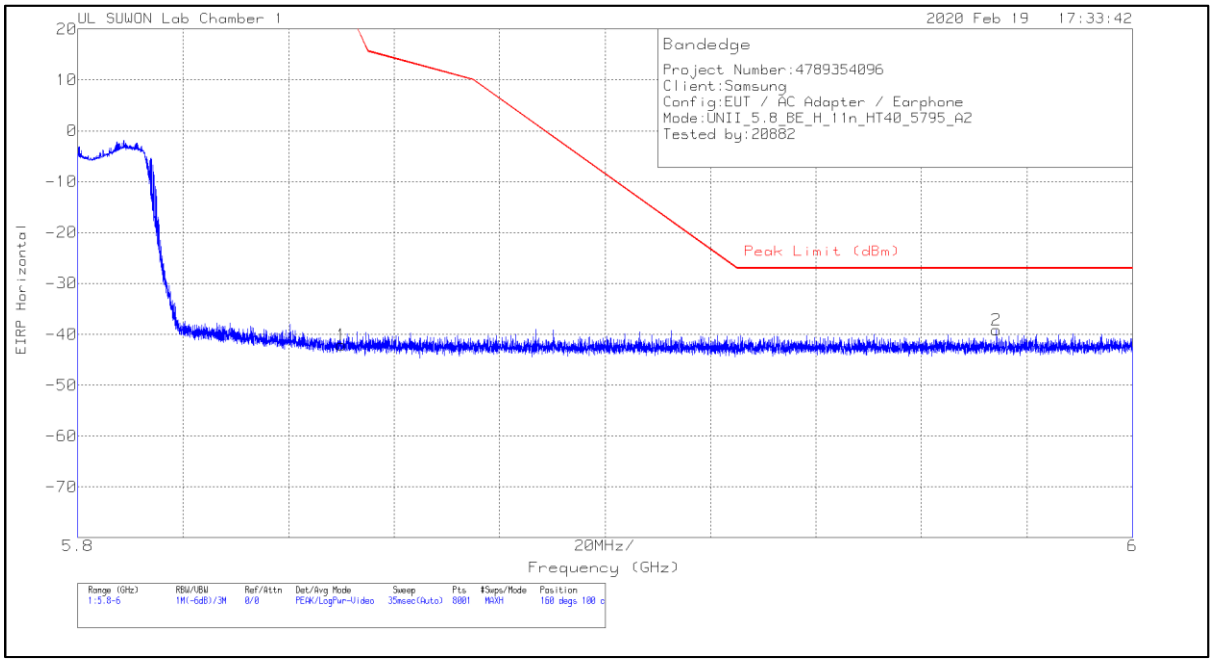
BANDEDGE (High CHANNEL_ANT2)

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	5.85003	-67.86	Pk	35	-21	11.8	0	-42.06	26.94	-69	160	100	H
2	5.97425	-65.39	Pk	35.1	-20.7	11.8	0	-39.19	-27	-12.19	160	100	H

Pk - Peak detector

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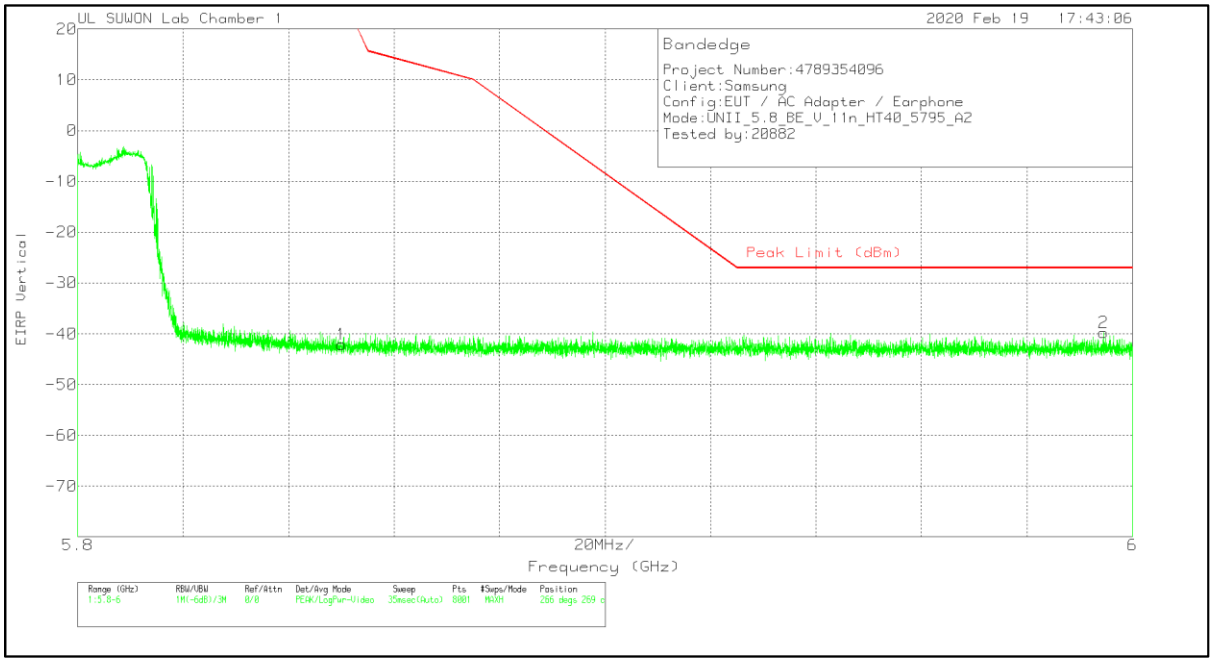
VERTICAL PEAK DATA



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	5.85003	-67.91	Pk	35	-21	11.8	0	-42.11	26.94	-69.05	266	269	V
2	5.99458	-66.08	Pk	35.1	-20.6	11.8	0	-39.78	-27	-12.78	266	269	V

Pk - Peak detector

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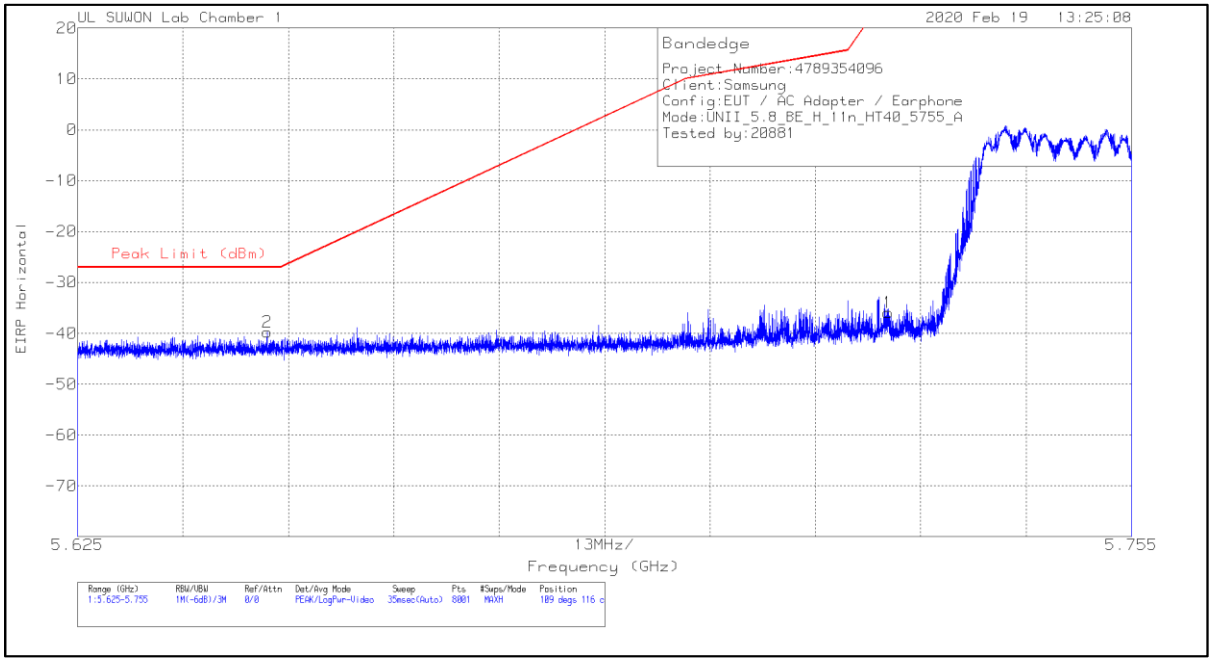
BANDEDGE (Low CHANNEL_ANT ALL)

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	5.72499	-61.43	Pk	34.8	-21.1	11.8	0	-35.93	26.97	-62.9	109	116	H
2	5.64837	-65.12	Pk	34.7	-21.1	11.8	0	-39.72	-27	-12.72	109	116	H

Pk - Peak detector

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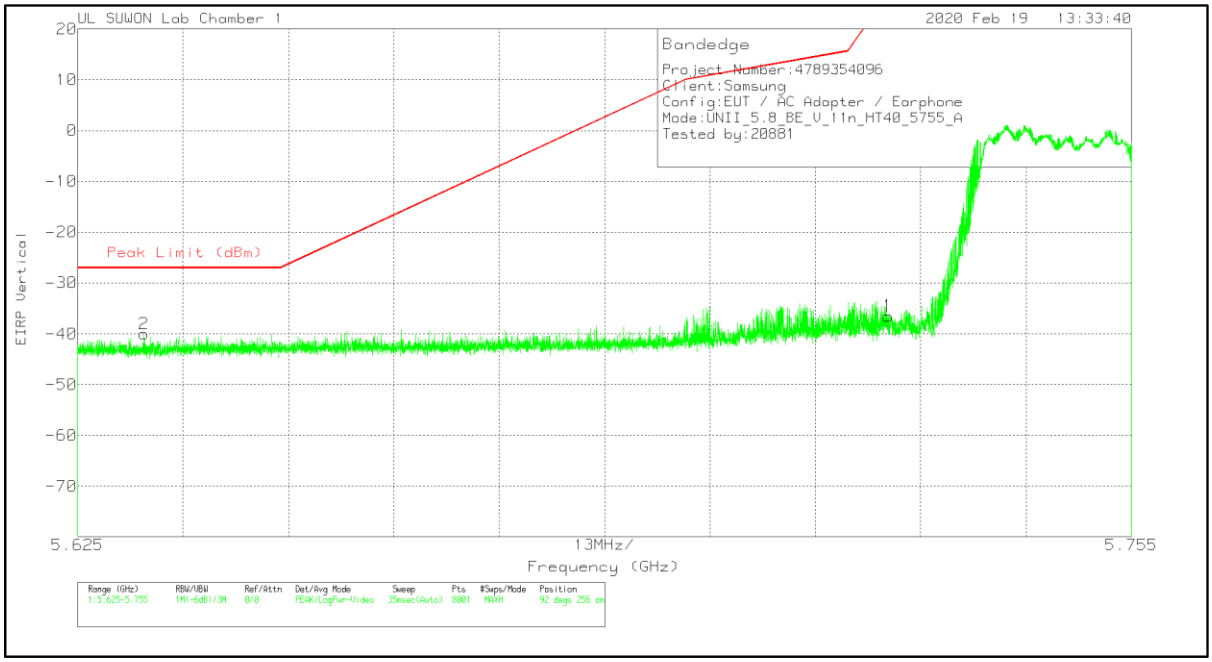
VERTICAL PEAK DATA



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	5.72499	-61.99	Pk	34.8	-21.1	11.8	0	-36.49	26.97	-63.46	92	256	V
2	5.63317	-65.42	Pk	34.7	-21.1	11.8	0	-40.02	-27	-13.02	92	256	V

Pk - Peak detector

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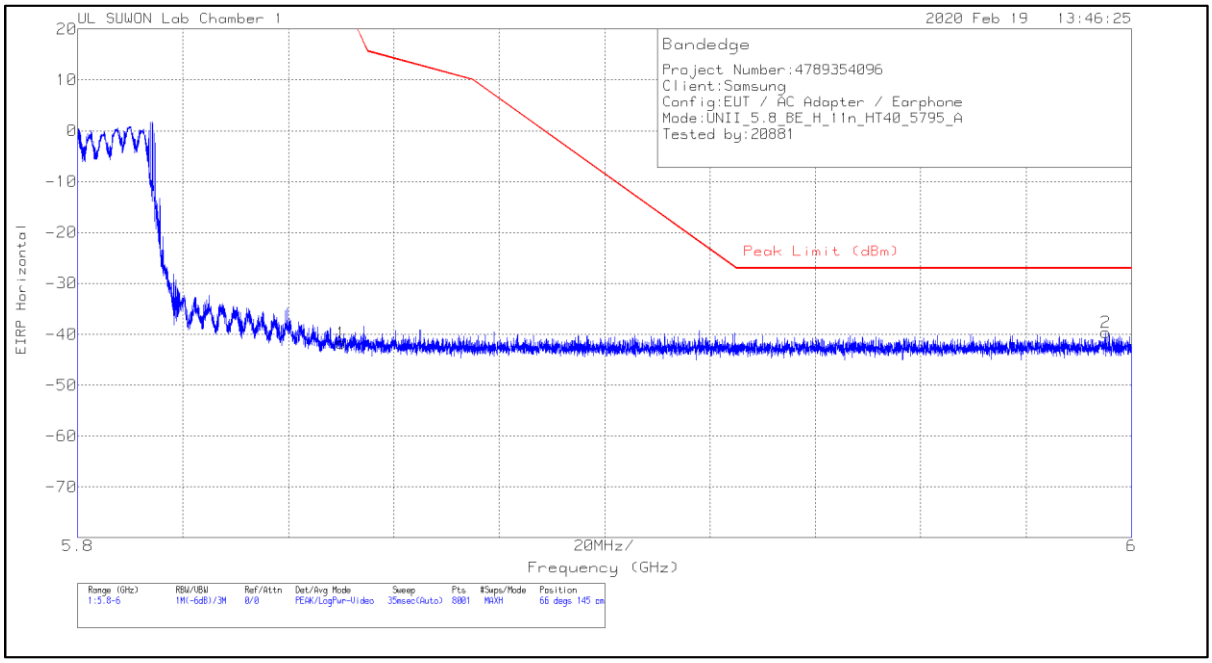
BANDEDGE (High CHANNEL_ANT ALL)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-67.57	Pk	35	-21	11.8	-41.77	26.94	-68.71	66	145	H
2	5.9951	-65.89	Pk	35.1	-20.6	11.8	-39.59	-27	-12.59	66	145	H

Pk - Peak detector

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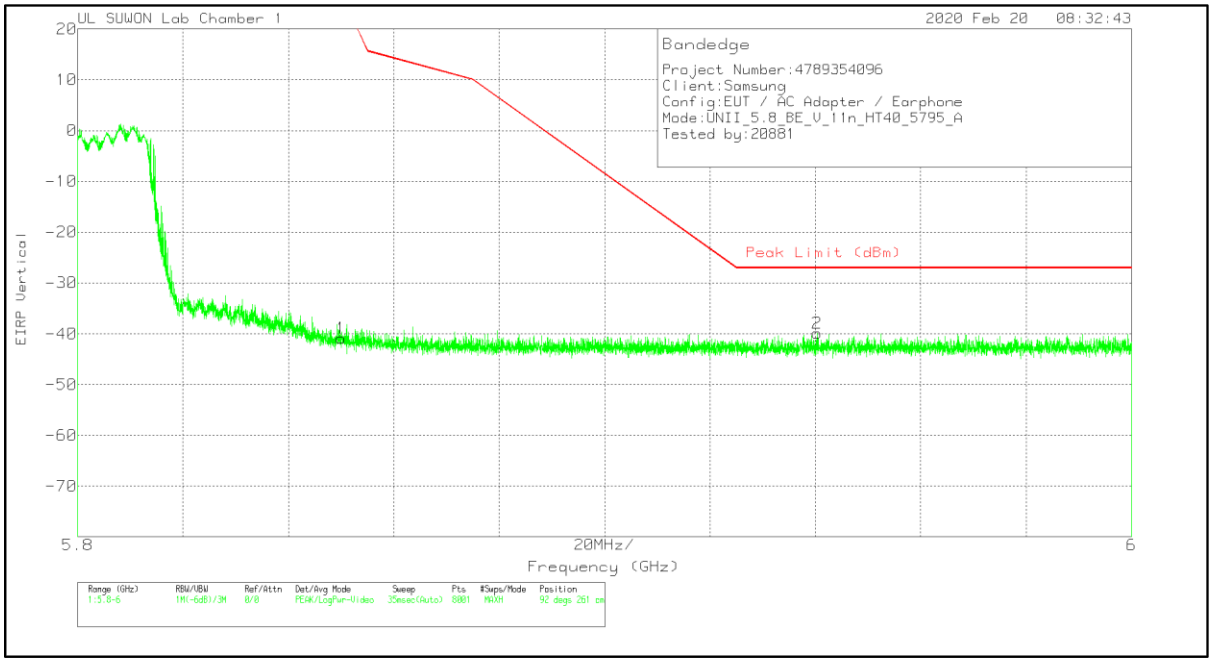
VERTICAL PEAK DATA



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	5.85003	-66.65	Pk	35	-21	11.8	0	-40.85	26.94	-67.79	92	261	V
2	5.9403	-65.96	Pk	35.1	-20.8	11.8	0	-39.86	-27	-12.86	92	261	V

Pk - Peak detector

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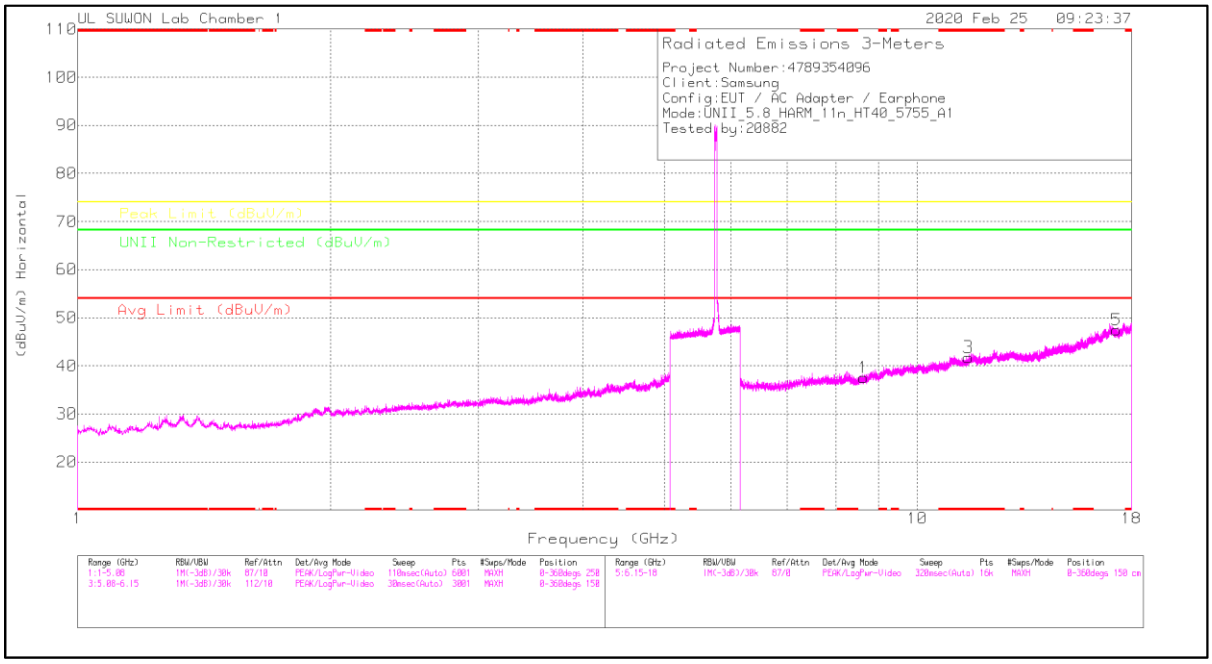
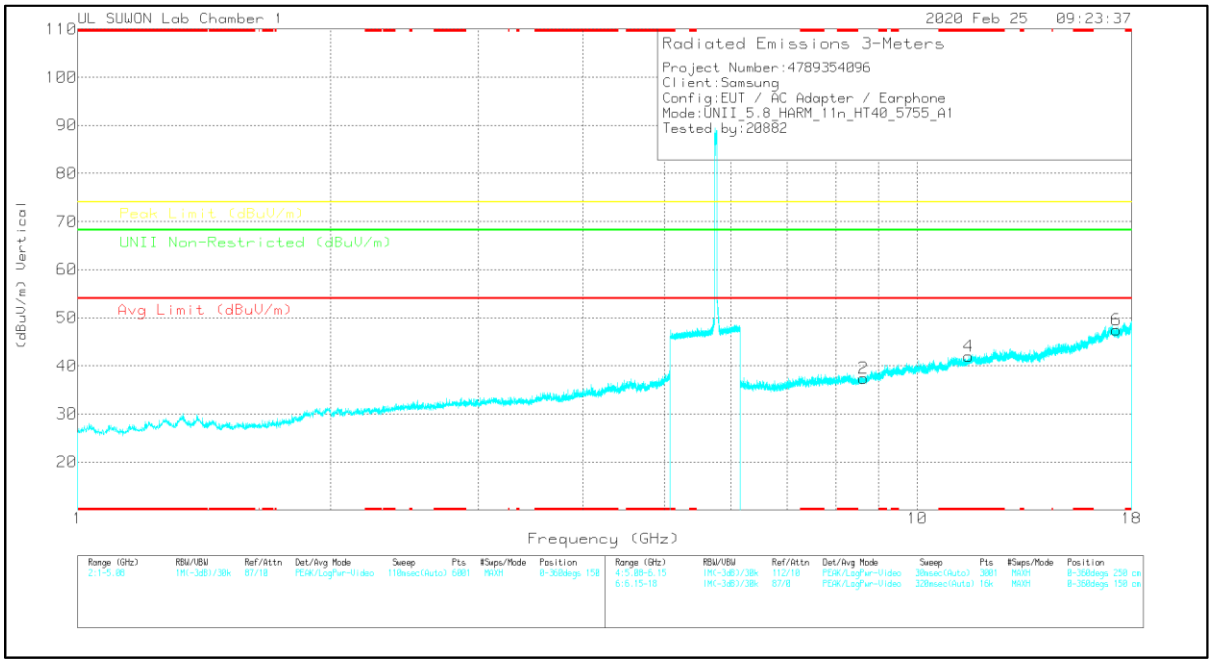
HARMONICS AND SPURIOUS EMISSIONS

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
8.63423	36.46	PK-U	36.3	-25	0	47.76	-	-	-	-	68.2	-20.44	0	100	H
8.63612	36.18	PK-U	36.3	-25	0	47.48	-	-	-	-	68.2	-20.72	0	100	V
* 11.50737	35.38	PK-U	38.5	-22.4	0	51.48	-	-	74	-22.52	-	-	0	100	H
* 11.50587	35.63	PK-U	38.5	-22.4	0	51.73	-	-	74	-22.27	-	-	0	100	V
17.2652	33.86	PK-U	41.3	-17.6	0	57.56	-	-	-	-	68.2	-10.64	0	100	H
17.26575	33.96	PK-U	41.3	-17.6	0	57.66	-	-	-	-	68.2	-10.54	0	100	V

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

PK-U - U-NII: Maximum Peak

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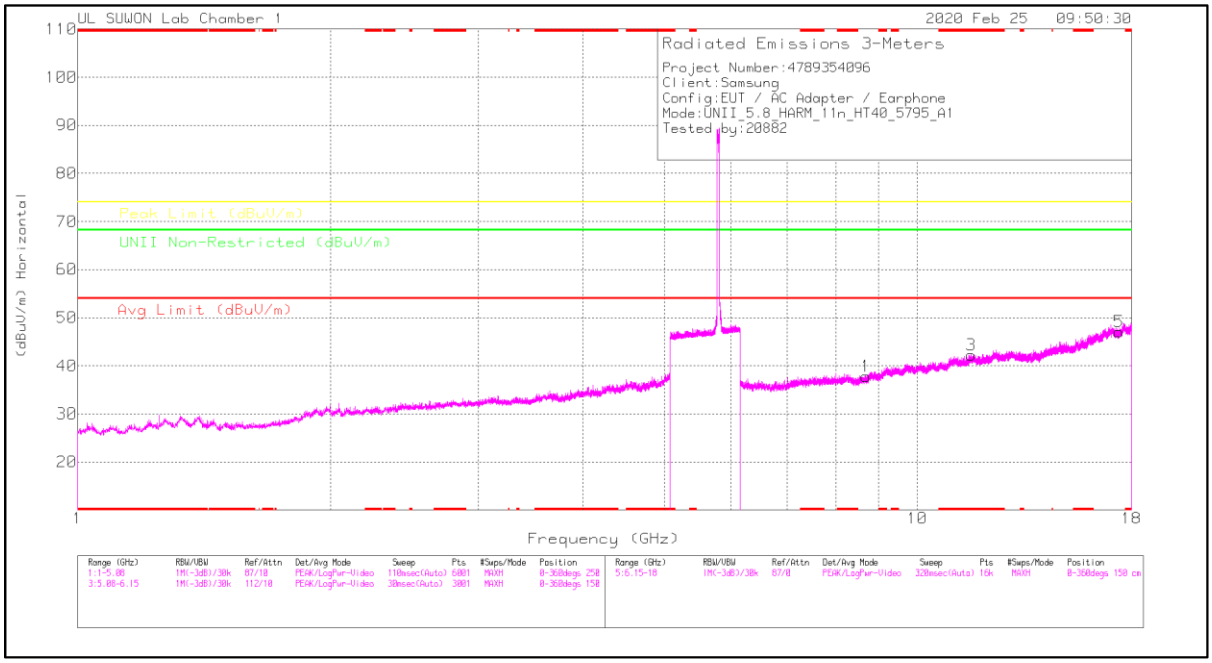
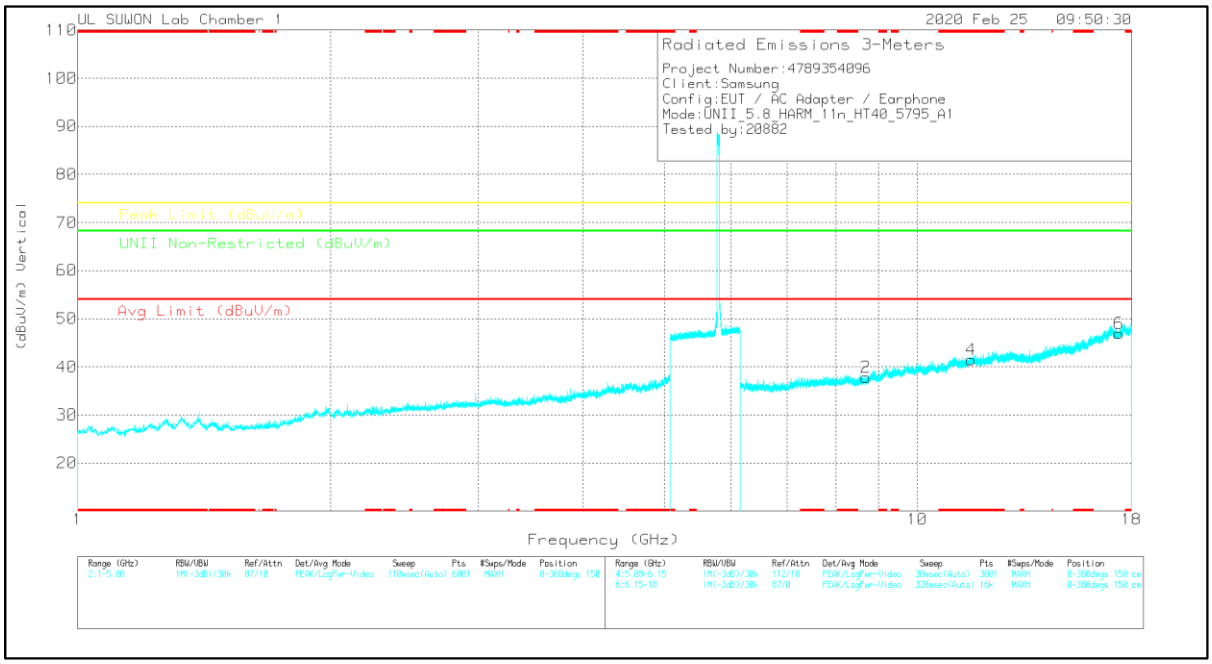
High CHANNEL HORIZONTAL



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
8.69376	37.02	PK-U	36.4	-25.5	0	47.92	-	-	-	-	68.2	-20.28	0	100	H
8.69184	36.97	PK-U	36.4	-25.6	0	47.77	-	-	-	-	68.2	-20.43	0	100	V
* 11.59175	34.96	PK-U	38.6	-22.1	0	51.46	-	-	74	-22.54	-	-	0	100	H
* 11.59265	35.02	PK-U	38.6	-22.1	0	51.52	-	-	74	-22.48	-	-	0	100	V
17.38429	34.09	PK-U	41.2	-17.7	0	57.59	-	-	-	-	68.2	-10.61	0	100	H
17.38266	34.12	PK-U	41.2	-17.7	0	57.62	-	-	-	-	68.2	-10.58	0	100	V

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

PK-U - U-NII: Maximum Peak

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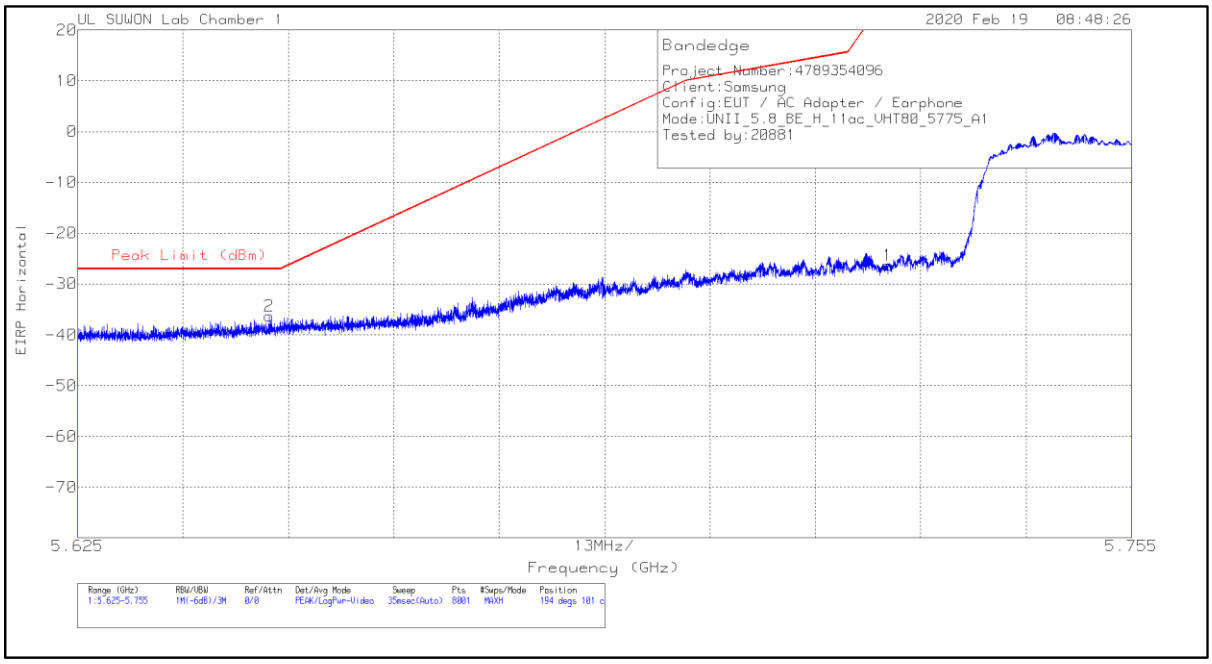
11.4.4. TX ABOVE 1GHz 802.11ac VHT80 2Tx MODE IN THE 5.8GHz BAND

BANDEDGE (Lower side_ANT1)

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	5.72499	-51.81	Pk	34.8	-21.1	11.8	0	-26.31	26.97	-53.28	194	101	H
2	5.6486	-61.76	Pk	34.7	-21.1	11.8	0	-36.36	-27	-9.36	194	101	H

Pk - Peak detector

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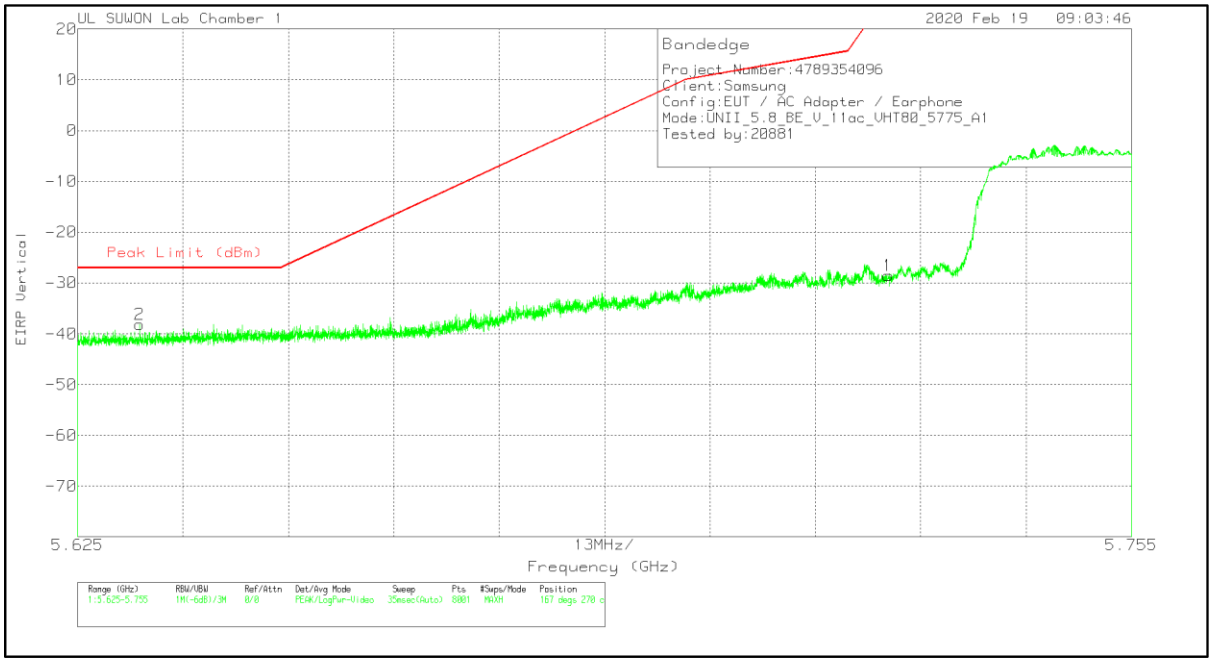
VERTICAL PEAK DATA



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	5.72499	-54.04	Pk	34.8	-21.1	11.8	0	-28.54	26.97	-55.51	167	270	V
2	5.63262	-63.52	Pk	34.7	-21.1	11.8	0	-38.12	-27	-11.12	167	270	V

Pk - Peak detector

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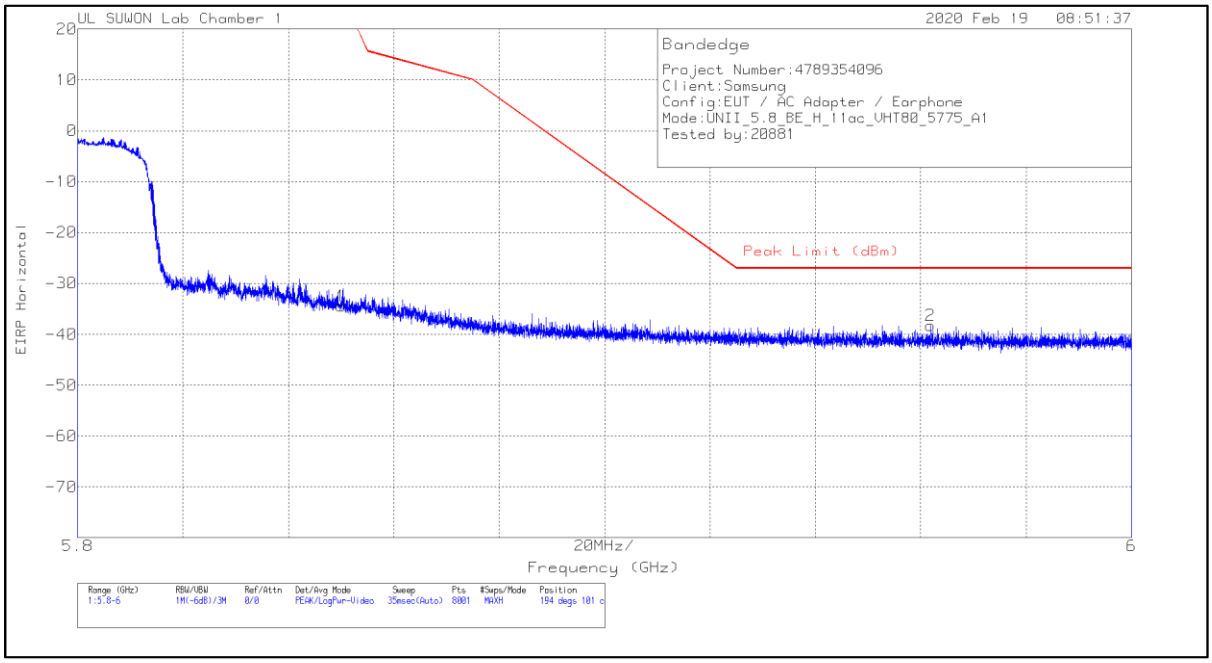
BANDEDGE (Upper side_ANT1)

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	5.85003	-60.29	Pk	35	-21	11.8	0	-34.49	26.94	-61.43	194	101	H
2	5.9618	-64.44	Pk	35.1	-20.7	11.8	0	-38.24	-27	-11.24	194	101	H

Pk - Peak detector

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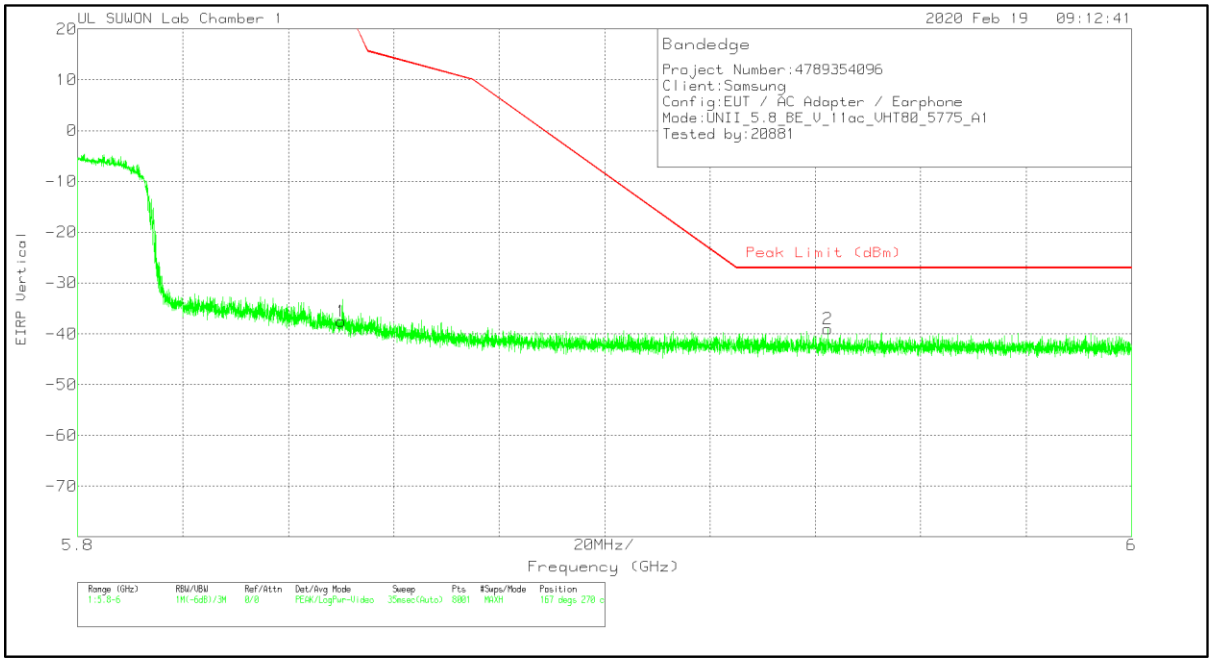
VERTICAL PEAK DATA



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	5.85003	-63.29	Pk	35	-21	11.8	0	-37.49	26.94	-64.43	167	270	V
2	5.94238	-65.17	Pk	35.1	-20.8	11.8	0	-39.07	-27	-12.07	167	270	V

Pk - Peak detector

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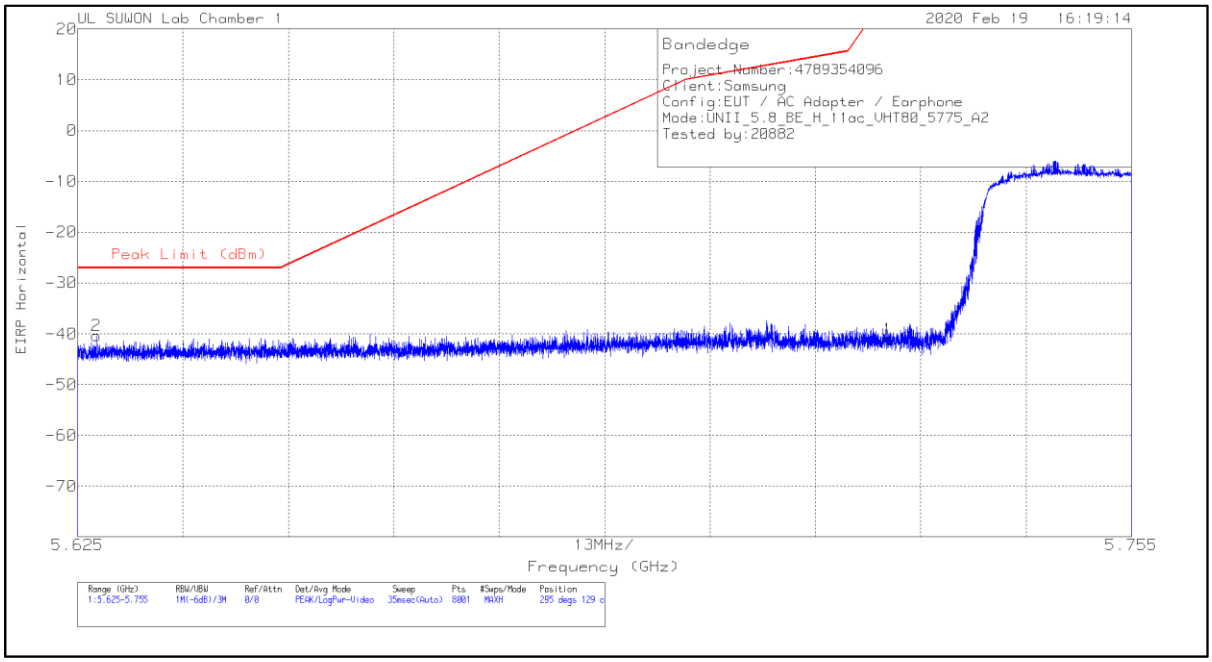
BANDEDGE (Lower side_ANT2)

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	5.72499	-66.63	Pk	34.8	-21.1	11.8	0	-41.13	26.97	-68.1	295	129	H
2	5.62732	-65.74	Pk	34.7	-21.1	11.8	0	-40.34	-27	-13.34	295	129	H

Pk - Peak detector

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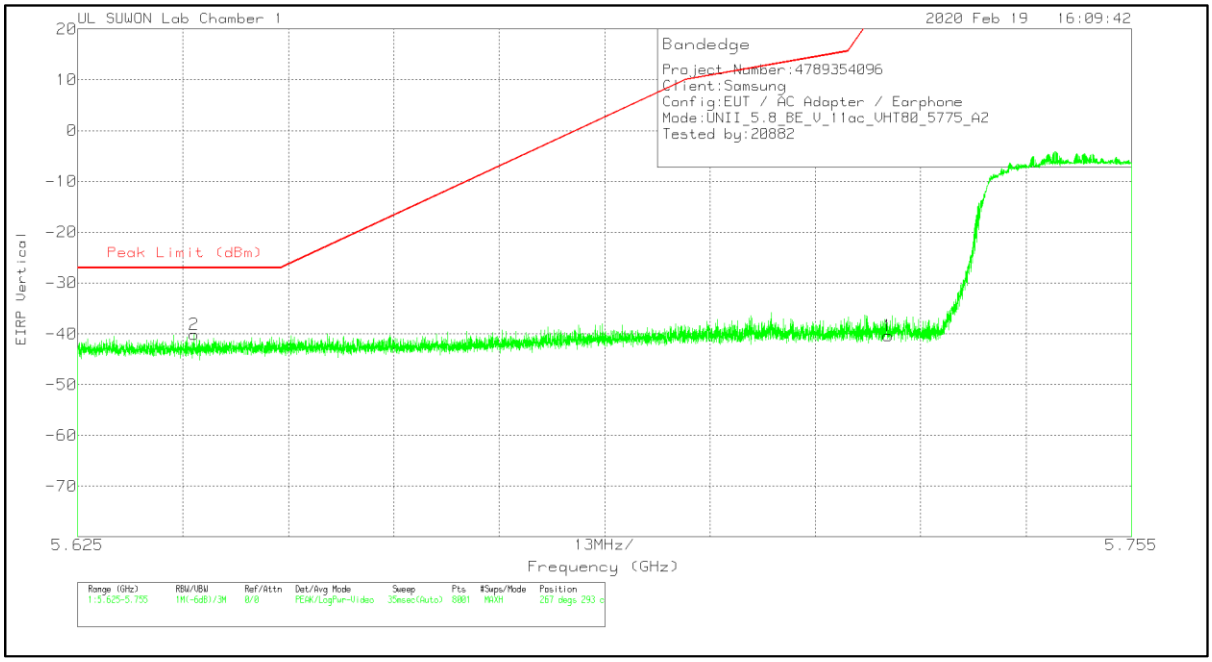
VERTICAL PEAK DATA



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	5.72499	-65.88	Pk	34.8	-21.1	11.8	0	-40.38	26.97	-67.35	267	293	V
2	5.63933	-65.46	Pk	34.7	-21.2	11.8	0	-40.16	-27	-13.16	267	293	V

Pk - Peak detector

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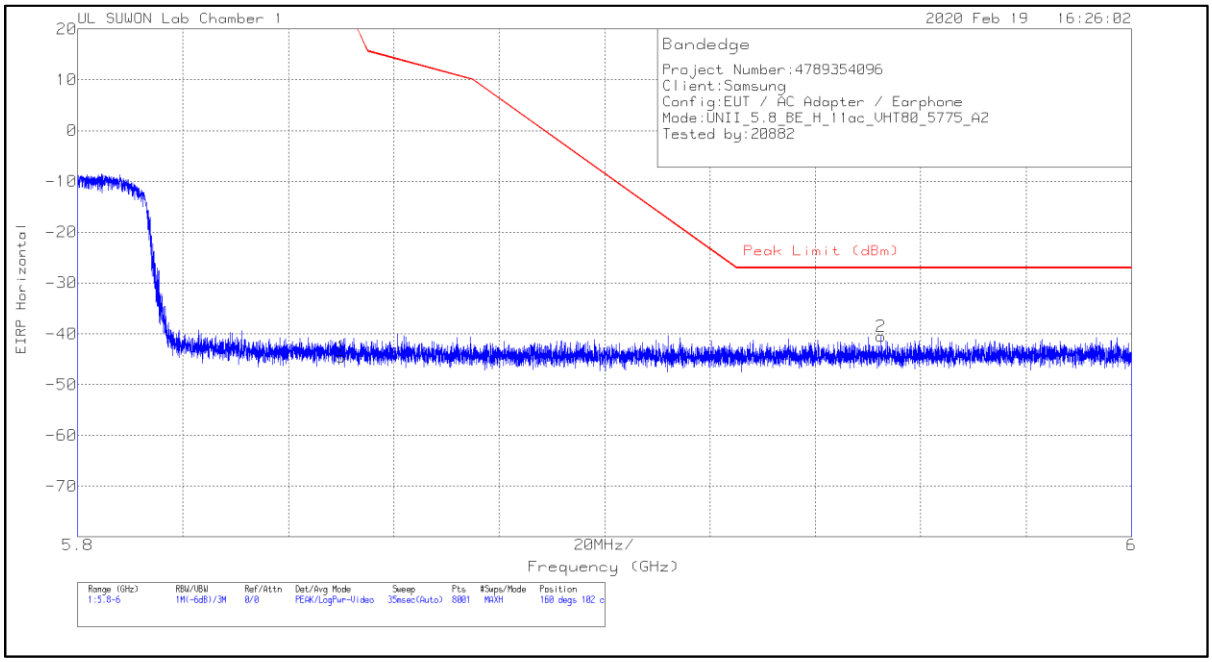
BANDEDGE (Upper side_ANT2)

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	5.85003	-70.33	Pk	35	-21	11.8	0	-44.53	26.94	-71.47	160	102	H
2	5.95248	-66.55	Pk	35.1	-20.8	11.8	0	-40.45	-27	-13.45	160	102	H

Pk - Peak detector

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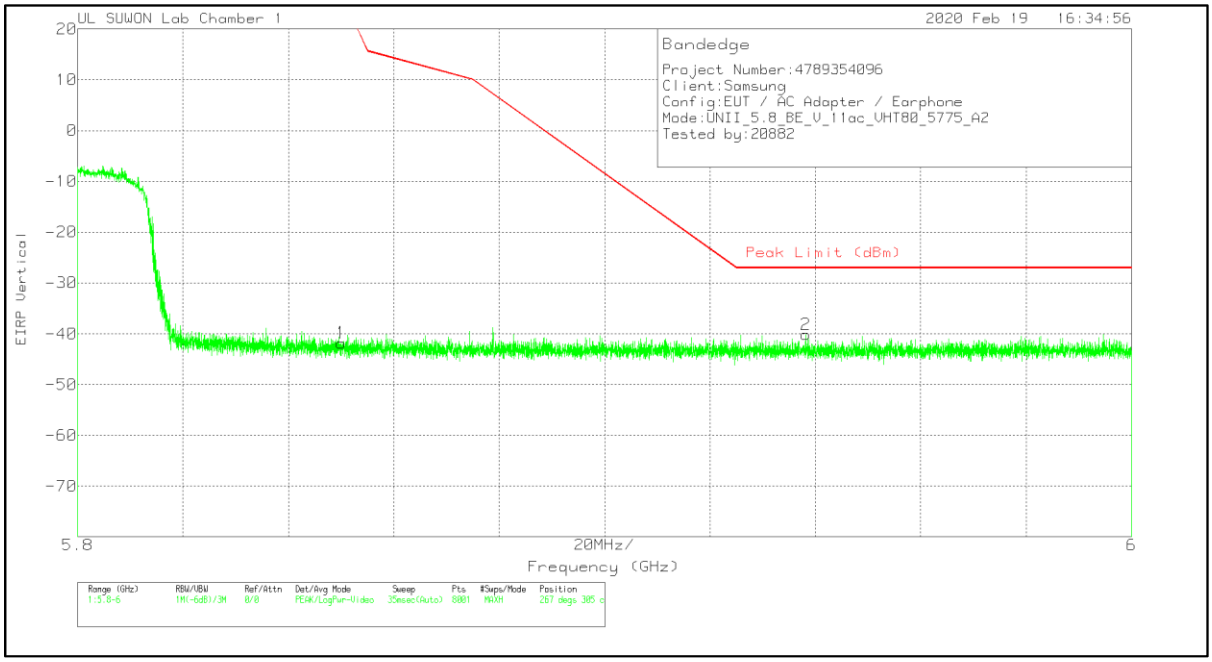
VERTICAL PEAK DATA



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	5.85003	-67.59	Pk	35	-21	11.8	0	-41.79	26.94	-68.73	267	305	V
2	5.9382	-66.19	Pk	35.1	-20.8	11.8	0	-40.09	-27	-13.09	267	305	V

Pk - Peak detector

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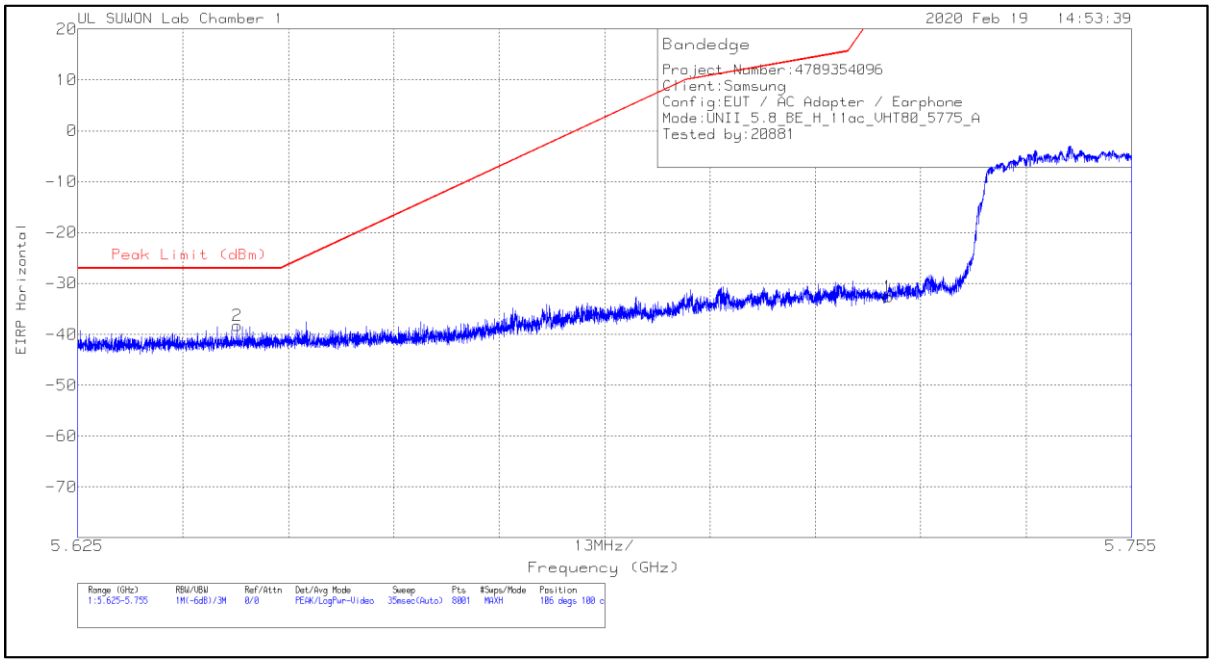
BANDEDGE (Lower side_ANT ALL)

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	5.72499	-58.08	Pk	34.8	-21.1	11.8	0	-32.58	26.97	-59.55	106	100	H
2	5.6447	-63.77	Pk	34.7	-21	11.8	0	-38.27	-27	-11.27	106	100	H

Pk - Peak detector

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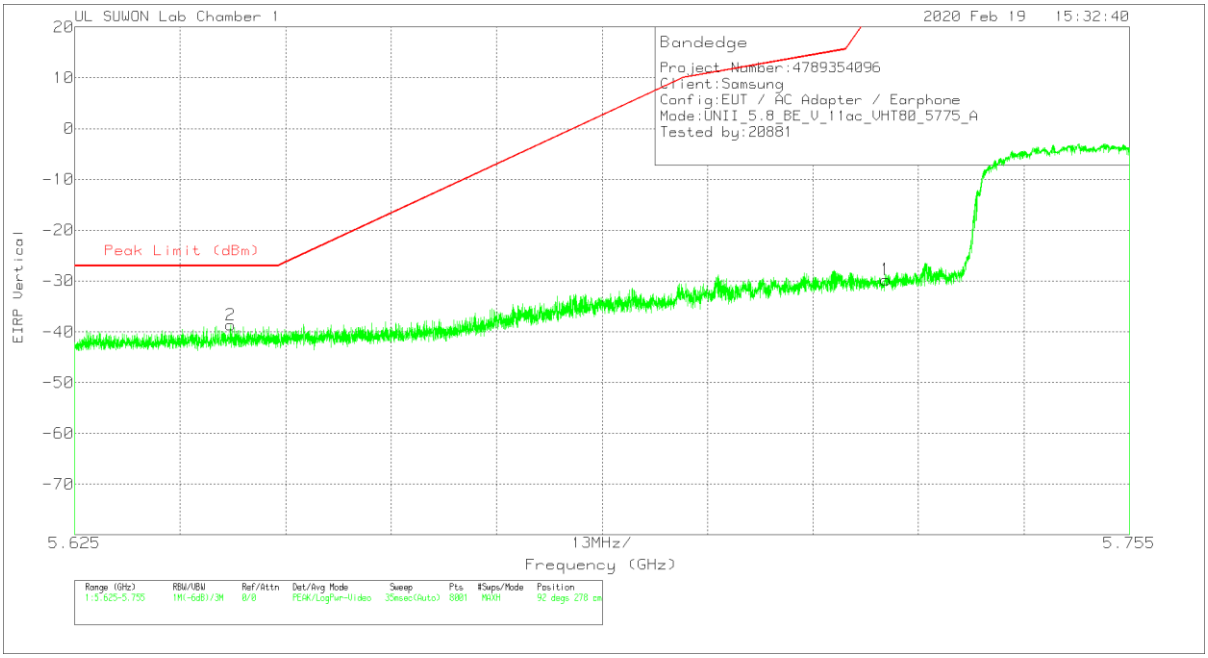
VERTICAL PEAK DATA



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	5.72499	-55.21	Pk	34.8	-21.1	11.8	0	-29.71	26.97	-56.68	92	278	V
2	5.64421	-64.14	Pk	34.7	-21	11.8	0	-38.64	-27	-11.64	92	278	V

Pk - Peak detector

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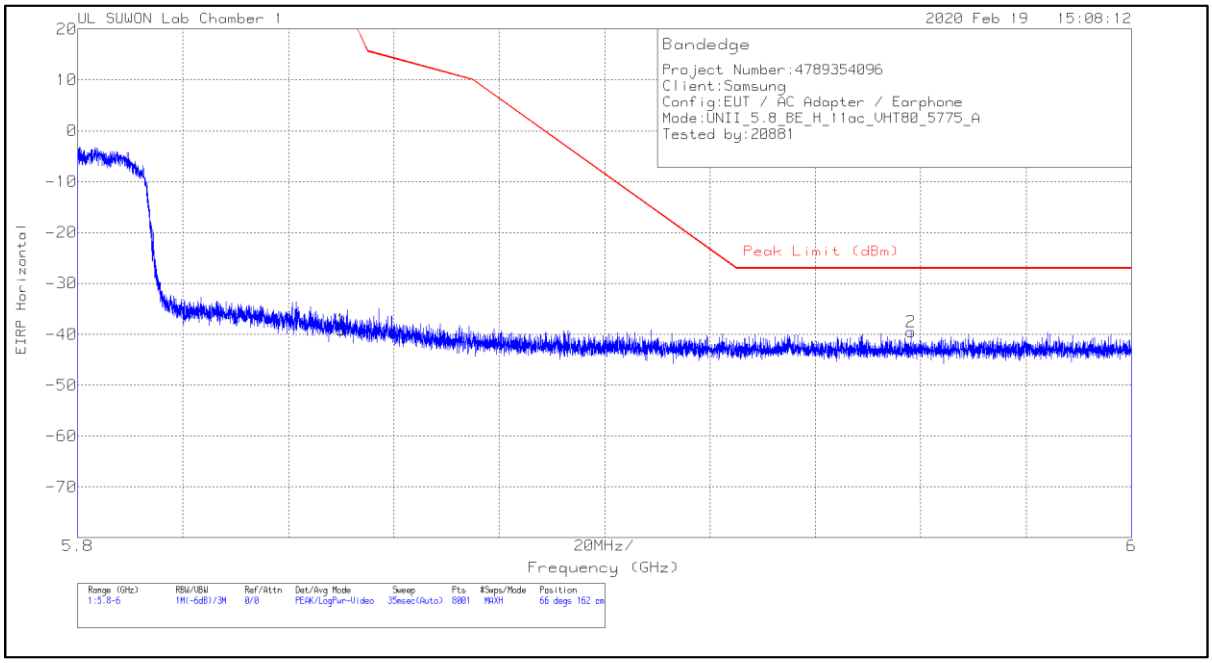
BANDEDGE (Upper side_ANT ALL)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB_ATT[dB]	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85003	-64.95	Pk	35	-21	11.8	-39.15	26.94	-66.09	66	162	H
2	5.95815	-65.56	Pk	35.1	-20.8	11.8	-39.46	-27	-12.46	66	162	H

Pk - Peak detector

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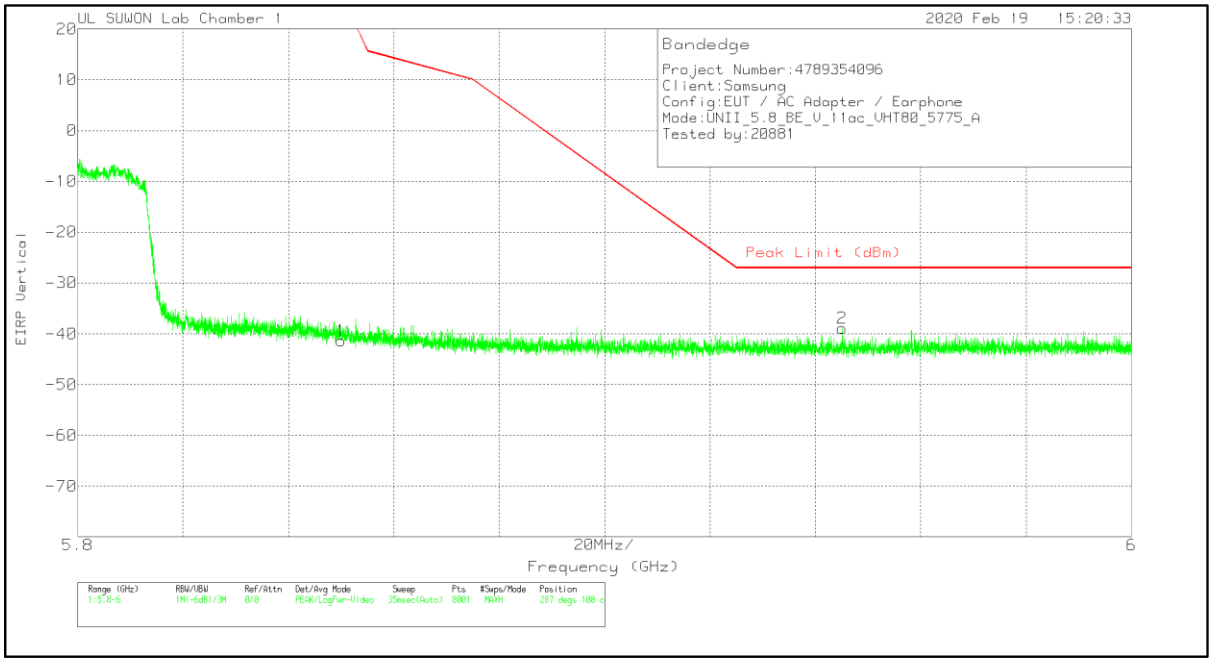
VERTICAL PEAK DATA



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	5.85003	-67.12	Pk	35	-21	11.8	0	-41.32	26.94	-68.26	287	100	V
2	5.94513	-65.02	Pk	35.1	-20.8	11.8	0	-38.92	-27	-11.92	287	100	V

Pk - Peak detector

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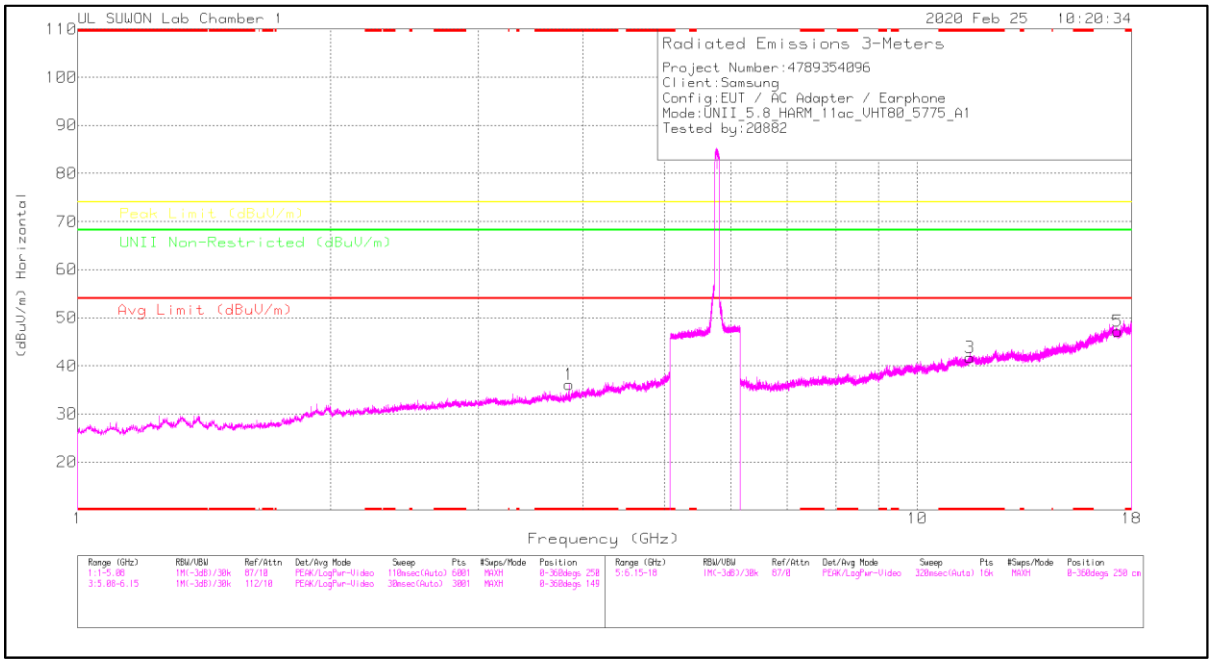
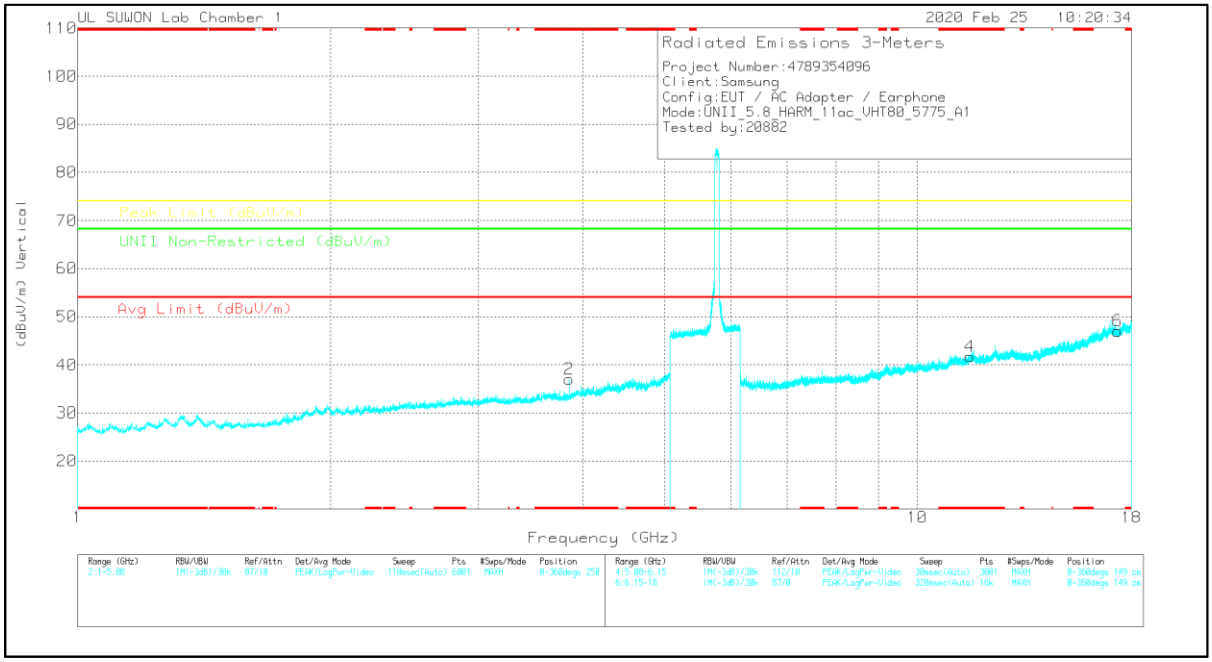
HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

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MID CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	5GHz_LP[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
* 3.85014	45.54	PK-U	33.4	-32.9	0	46.04	-	-	74	-27.96	-	-	201	122	H
* 3.84998	35.65	ADR	33.4	-32.9	.34	36.49	54	-17.51	-	-	-	-	201	122	H
* 3.84962	44.37	PK-U	33.4	-32.9	0	44.87	-	-	74	-29.13	-	-	129	100	V
* 3.8501	33.88	ADR	33.4	-32.9	.34	34.72	54	-19.28	-	-	-	-	129	100	V
* 11.55054	35.1	PK-U	38.6	-22.4	0	51.3	-	-	74	-22.7	-	-	0	100	H
* 11.5524	34.84	PK-U	38.6	-22.4	0	51.04	-	-	74	-22.96	-	-	0	100	V
17.32687	34.21	PK-U	41.2	-17.5	0	57.91	-	-	-	-	68.2	-10.29	0	100	H
17.32745	34.1	PK-U	41.2	-17.6	0	57.7	-	-	-	-	68.2	-10.5	0	100	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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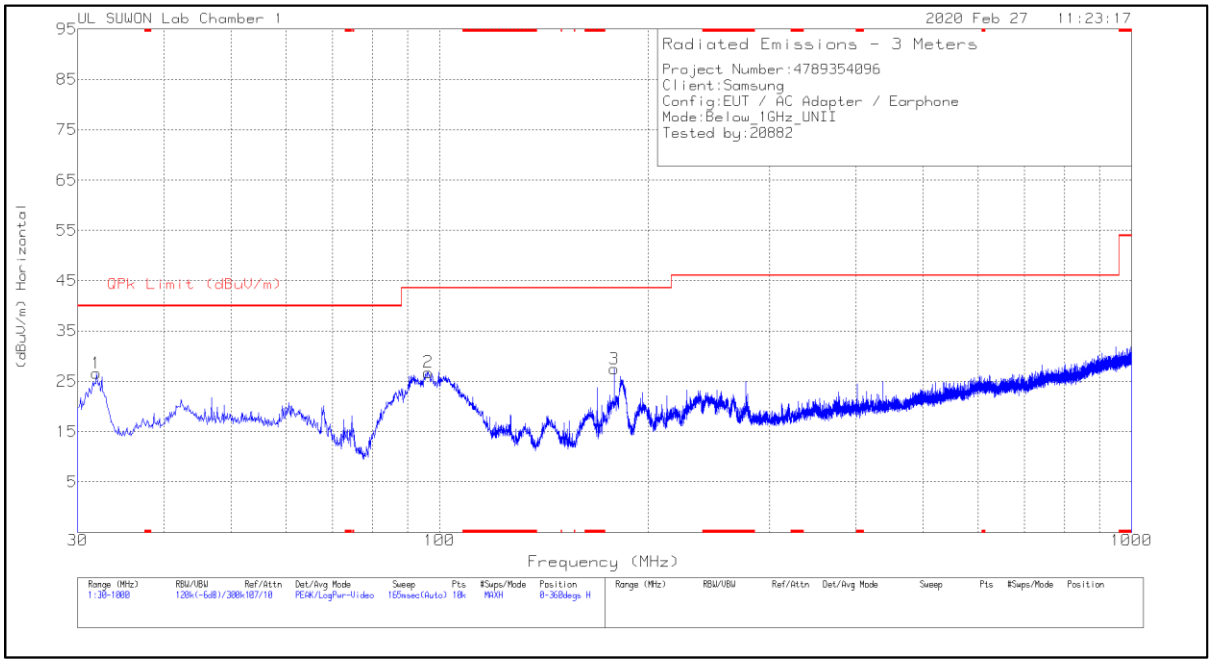
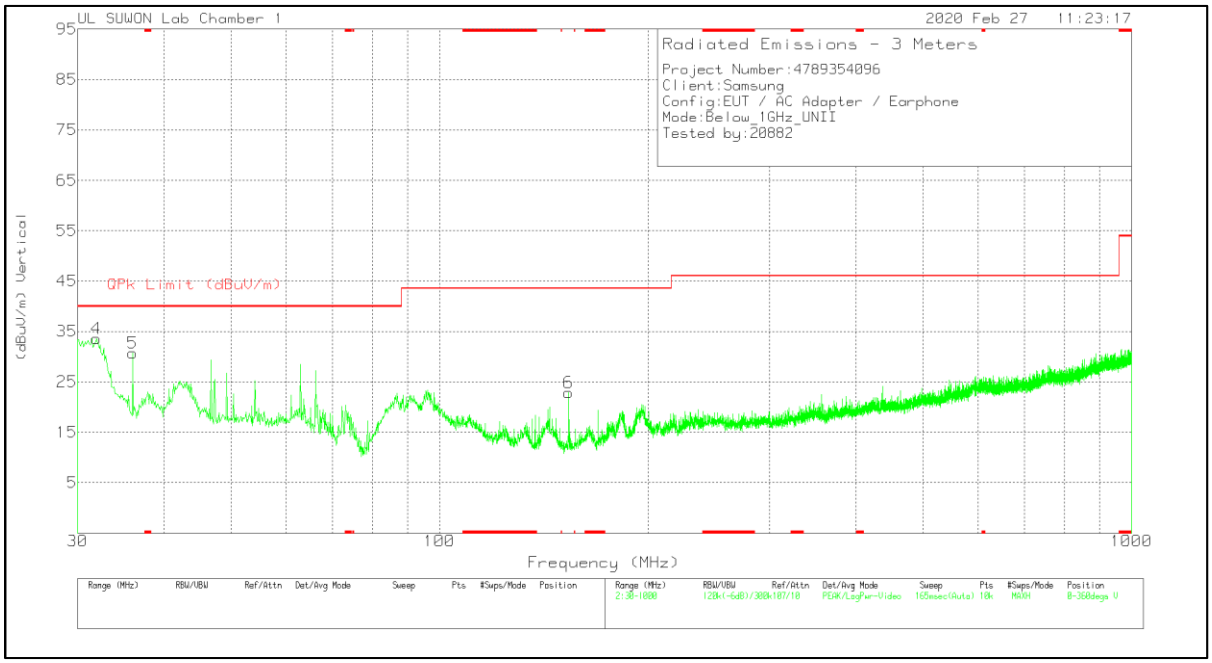
12. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



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BeLow 1G Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.94	42.98	Pk	15.5	-31.9	0	26.58	40	-13.42	0-360	300	H
2	96.348	40.8	Pk	17.4	-31.4	0	26.8	43.52	-16.72	0-360	200	H
3	178.798	42.82	Pk	15.6	-30.9	0	27.52	43.52	-16	0-360	200	H
4	31.94	49.98	Pk	15.5	-31.9	0	33.58	40	-6.42	0-360	100	V
5	36.014	45.55	Pk	17.1	-31.9	0	30.75	40	-9.25	0-360	100	V
6	153.772	39.76	Pk	14.2	-31.1	0	22.86	43.52	-20.66	0-360	100	V

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

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13. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
IC RSS-GEN Clause 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

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

RESULTS

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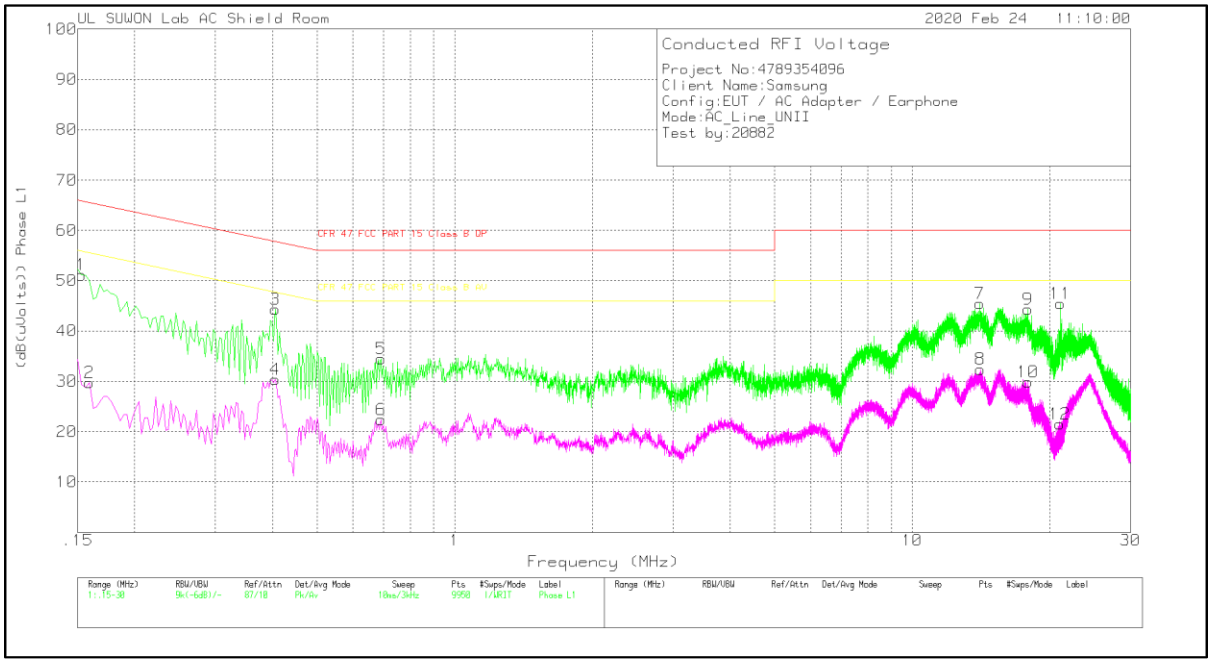
WORST EMISSIONS

LINE 1 DATA



Trace Markers

Range 1: Phase L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_101836_With ex-cord_L1	CABLELOSS(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.153	41.22	Pk	9.8	.1	51.12	65.84	-14.72	-	-
2	.159	19.73	Av	9.9	.1	29.73	-	-	55.52	-25.79
3	.405	34.17	Pk	9.9	.2	44.27	57.75	-13.48	-	-
4	.405	20.32	Av	9.9	.2	30.42	-	-	47.75	-17.33
5	.69	24.39	Pk	9.9	.2	34.49	56	-21.51	-	-
6	.69	12.33	Av	9.9	.2	22.43	-	-	46	-23.57
7	14.061	34.91	Pk	10.1	.4	45.41	60	-14.59	-	-
8	14.085	21.92	Av	10.1	.4	32.42	-	-	50	-17.58
9	17.883	33.69	Pk	10.2	.4	44.29	60	-15.71	-	-
10	17.88	19.26	Av	10.2	.4	29.86	-	-	50	-20.14
11	21.057	34.7	Pk	10.3	.4	45.4	60	-14.6	-	-
12	21.03	10.81	Av	10.3	.4	21.51	-	-	50	-28.49

Pk - Peak detector
Av - Average detection

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