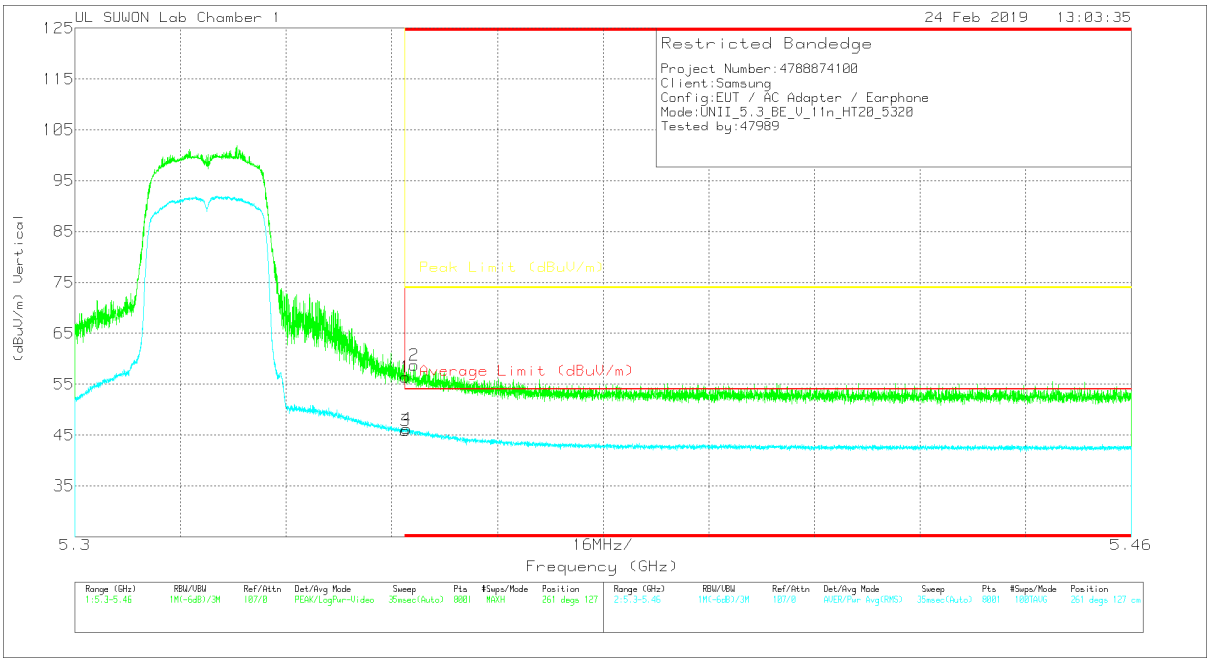
VERTICAL PEAK AND AVERAGE PLOT



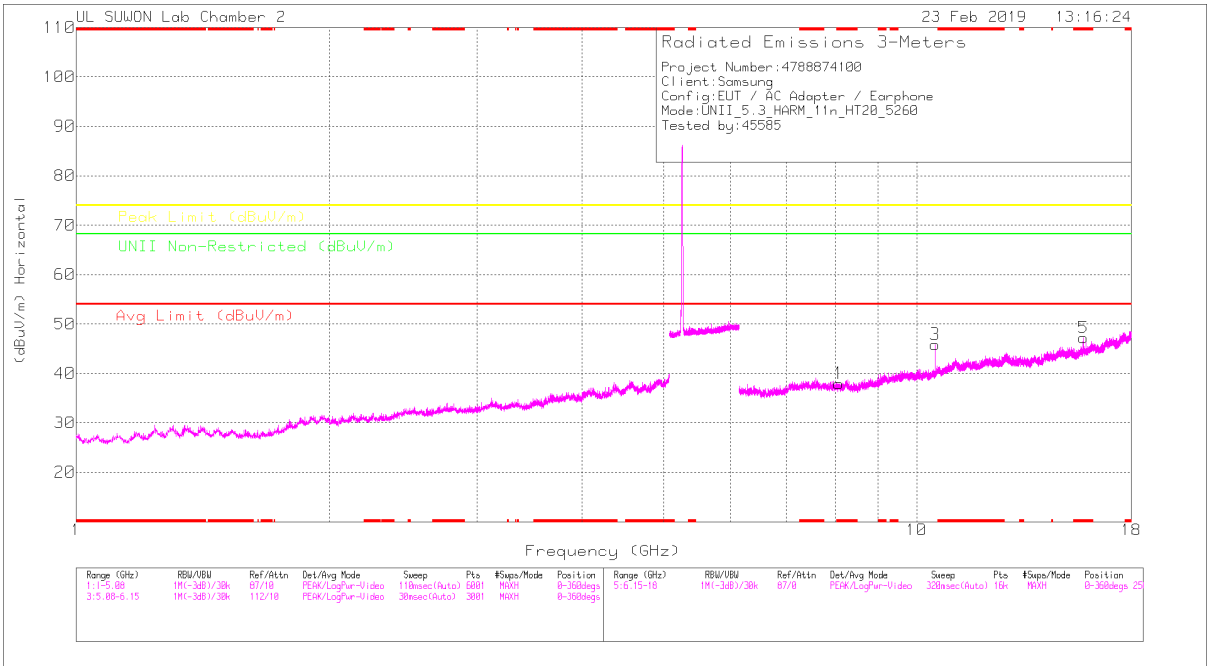
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.35	43.31	Pk	34.7	-21.6	0	56.41	-	-	74	-17.59	261	127	V
2	* 5.351	45.61	Pk	34.7	-21.6	0	58.71	-	-	74	-15.29	261	127	V
3	* 5.35	32.74	RMS	34.7	-21.7	.13	45.87	54	-8.13	-	-	261	127	V
4	* 5.35	33.1	RMS	34.7	-21.7	.13	46.23	54	-7.77	-	-	261	127	V

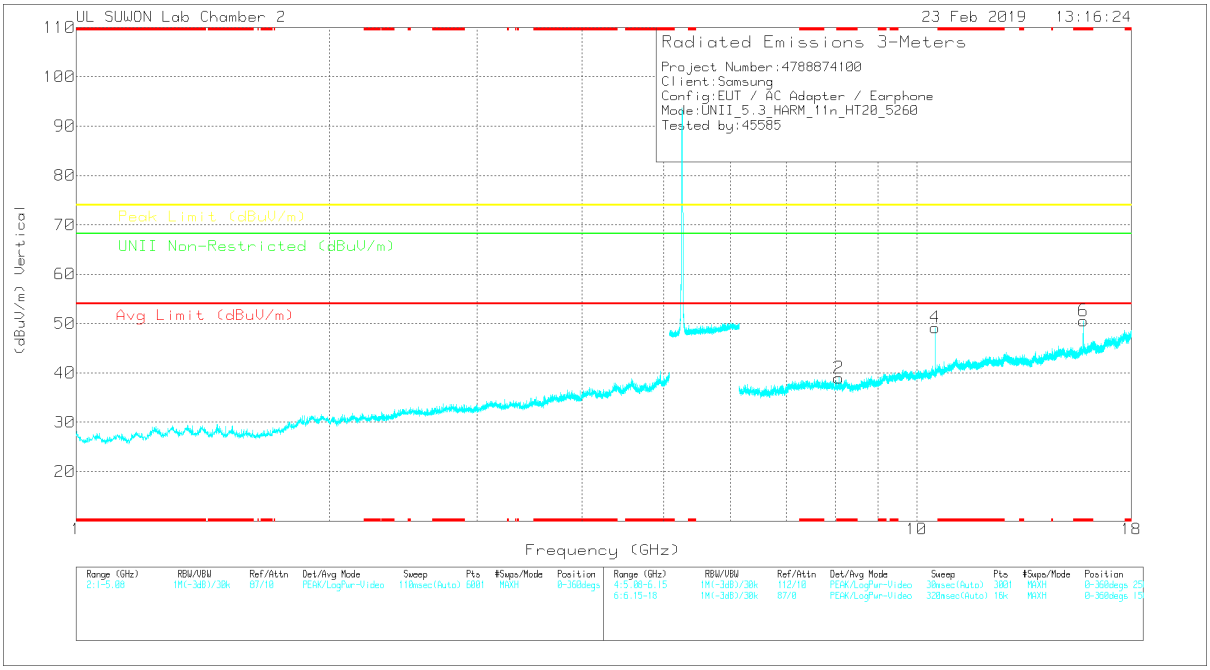
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	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
1	* 8.078	25.67	PK	35.9	-23.6	0	37.97	-	-	74	-36.03	-	-	0-360	150	H
3	10.519	28.86	PK	37.7	-20.7	0	45.86	-	-	-	-	68.2	-22.34	0-360	250	H
5	* 15.785	26.81	PK	40.3	-19.9	0	47.21	-	-	74	-26.79	-	-	0-360	150	H
2	* 8.078	26.68	PK	35.9	-23.6	0	38.98	-	-	74	-35.02	-	-	0-360	150	V
4	10.519	32.2	PK	37.7	-20.7	0	49.2	-	-	-	-	68.2	-19	0-360	150	V
6	* 15.781	30.16	PK	40.3	-19.9	0	50.56	-	-	74	-23.44	-	-	0-360	150	V

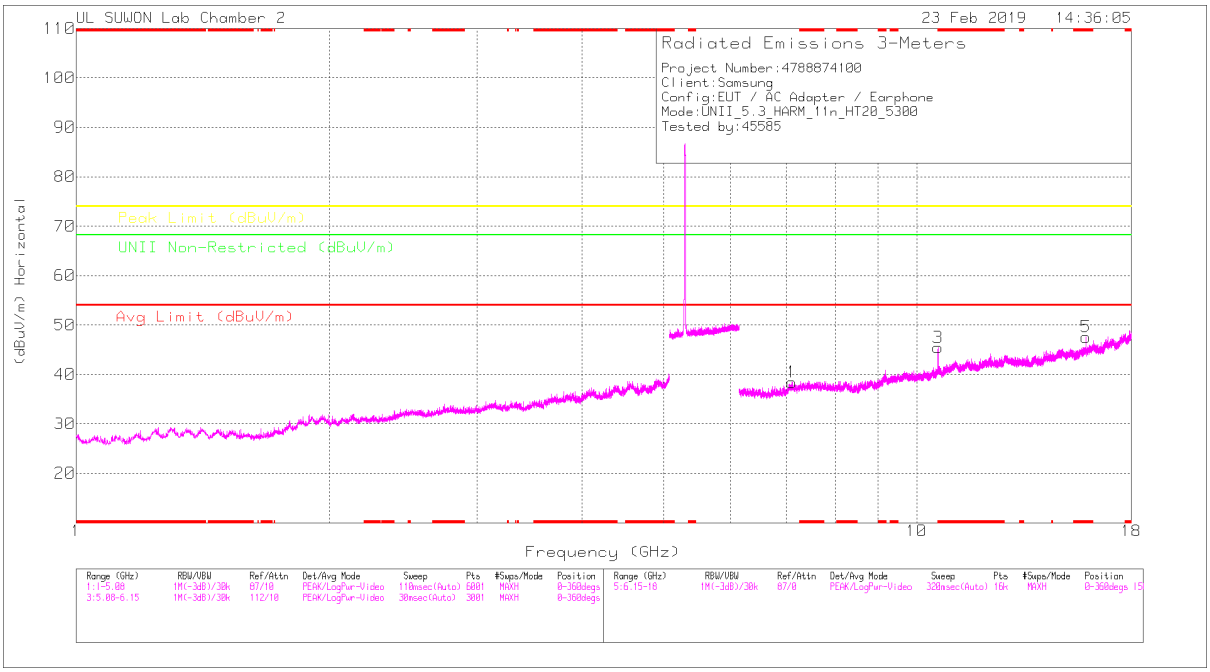
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

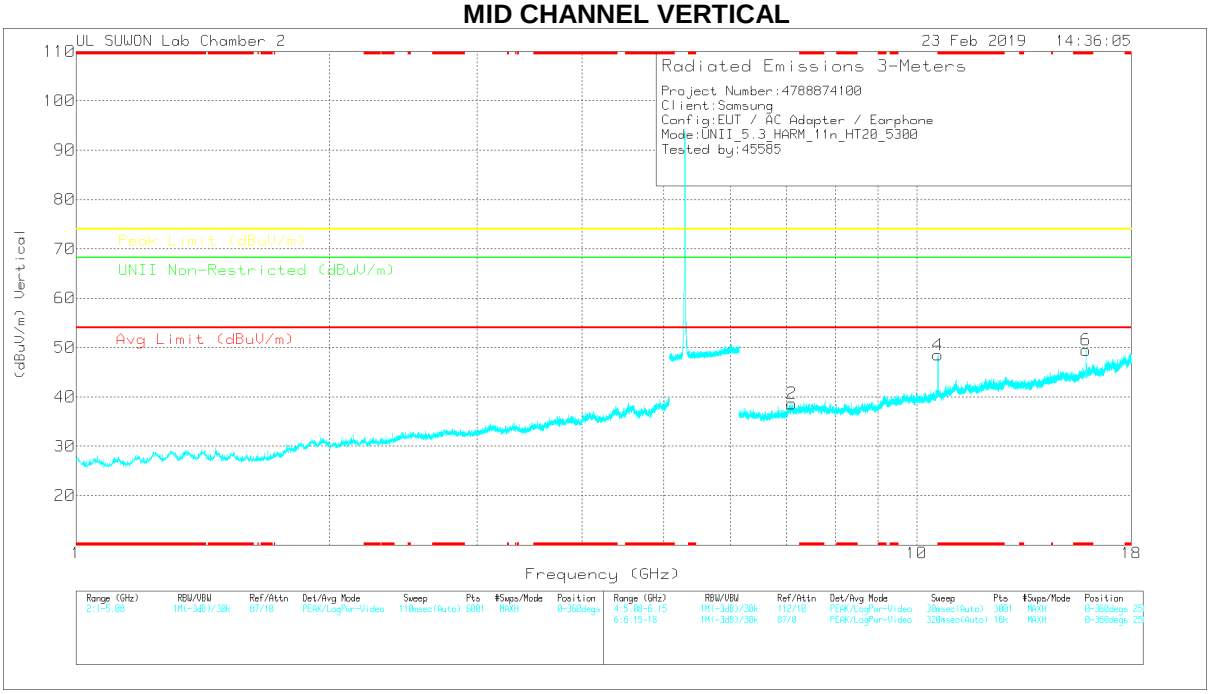
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.52	32.51	PK-U	37.7	-20.7	0	49.51	-	-	-	-	68.2	-18.69	220	145	H
10.52	37.54	PK-U	37.7	-20.7	0	54.54	-	-	-	-	68.2	-13.66	222	158	V
* 15.782	43.16	PK-U	40.3	-19.9	0	63.56	-	-	74	-10.44	-	-	170	151	V
* 15.781	28.74	ADR	40.3	-19.9	.13	49.27	54	-4.73	-	-	-	-	170	151	V
* 15.783	40.72	PK-U	40.3	-19.9	0	61.12	-	-	74	-12.88	-	-	85	125	H
* 15.781	26.34	ADR	40.3	-19.9	.13	46.87	54	-7.13	-	-	-	-	85	125	H

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	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
1	7.105	26.1	PK	36	-23.7	0	38.4	-	-	-	-	68.2	-29.8	0-360	150	H
3	* 10.6	27.33	PK	37.8	-19.7	0	45.43	-	-	74	-28.57	-	-	0-360	250	H
5	* 15.895	26.57	PK	40.5	-19.5	0	47.57	-	-	74	-26.43	-	-	0-360	250	H
2	7.108	26.36	PK	36	-23.7	0	38.66	-	-	-	-	68.2	-29.54	0-360	150	V
4	* 10.6	30.38	PK	37.8	-19.7	0	48.48	-	-	74	-25.52	-	-	0-360	150	V
6	* 15.902	28.48	PK	40.5	-19.5	0	49.48	-	-	74	-24.52	-	-	0-360	150	V

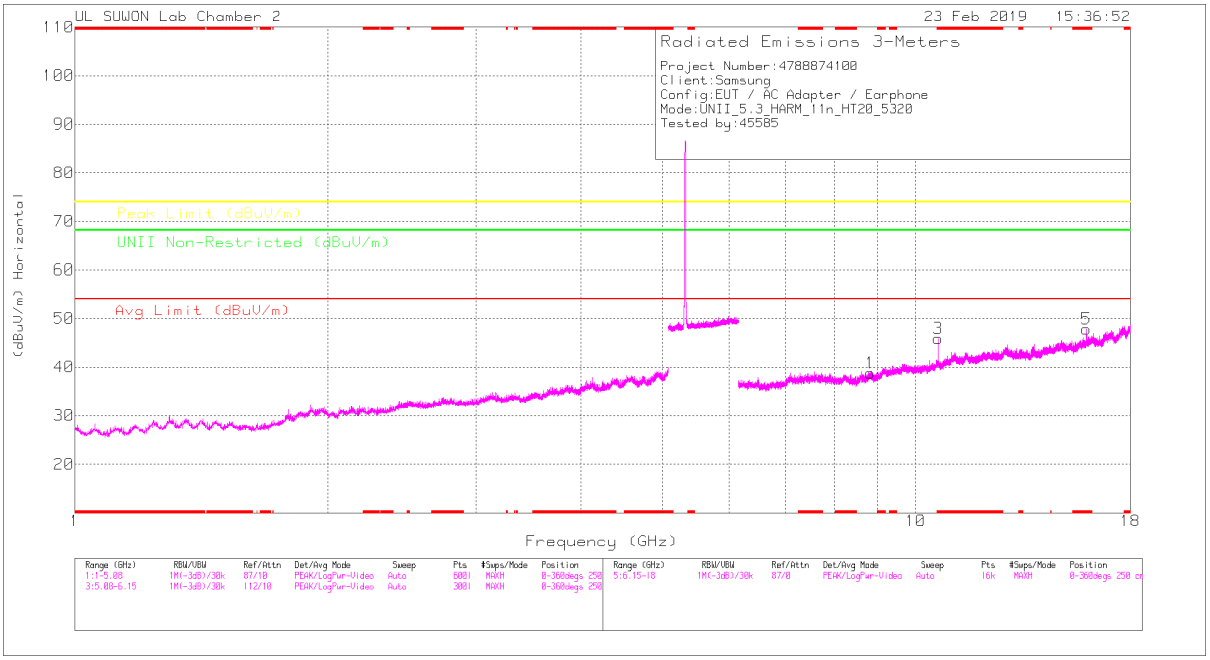
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

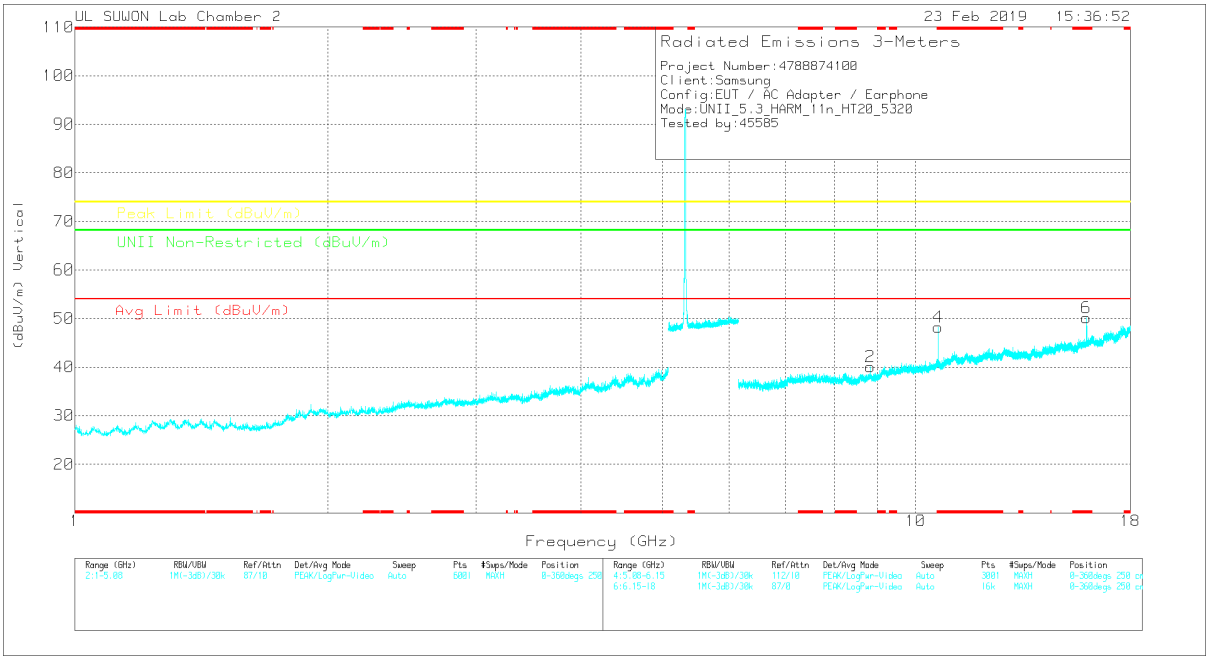
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.6	35.22	PK-U	37.8	-19.7	0	53.32	-	-	-	-	68.2	-14.88	125	101	H
* 10.6	25.37	ADR	37.8	-19.7	.13	43.6	54	-10.4	-	-	-	-	125	101	H
* 10.6	36.18	PK-U	37.8	-19.7	0	54.28	-	-	74	-19.72	-	-	218	153	V
10.6	29.67	ADR	37.8	-19.7	.13	47.9	-	-	-	-	-	-	218	153	V
* 15.894	43.3	PK-U	40.5	-19.5	0	64.3	-	-	74	-9.7	-	-	161	103	V
* 15.898	28.73	ADR	40.5	-19.5	.13	49.86	54	-4.14	-	-	-	-	161	103	V
* 15.894	39.27	PK-U	40.5	-19.5	0	60.27	-	-	74	-13.73	-	-	85	130	H
* 15.897	25.35	ADR	40.5	-19.5	.13	46.48	54	-7.52	-	-	-	-	85	130	H

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	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
1	8.827	24.52	PK	36.4	-22.2	0	38.72	-	-	-	-	68.2	-29.48	0-360	250	H
3	* 10.64	27.67	PK	37.8	-19.6	0	45.87	-	-	74	-28.13	-	-	0-360	150	H
5	* 15.958	27.04	PK	40.5	-19.7	0	47.84	-	-	74	-26.16	-	-	0-360	250	H
2	8.827	25.82	PK	36.4	-22.2	0	40.02	-	-	-	-	68.2	-28.18	0-360	250	V
4	* 10.64	30.03	PK	37.8	-19.6	0	48.23	-	-	74	-25.77	-	-	0-360	150	V
6	* 15.961	29.29	PK	40.5	-19.6	0	50.19	-	-	74	-23.81	-	-	0-360	150	V

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

Radiated Emissions

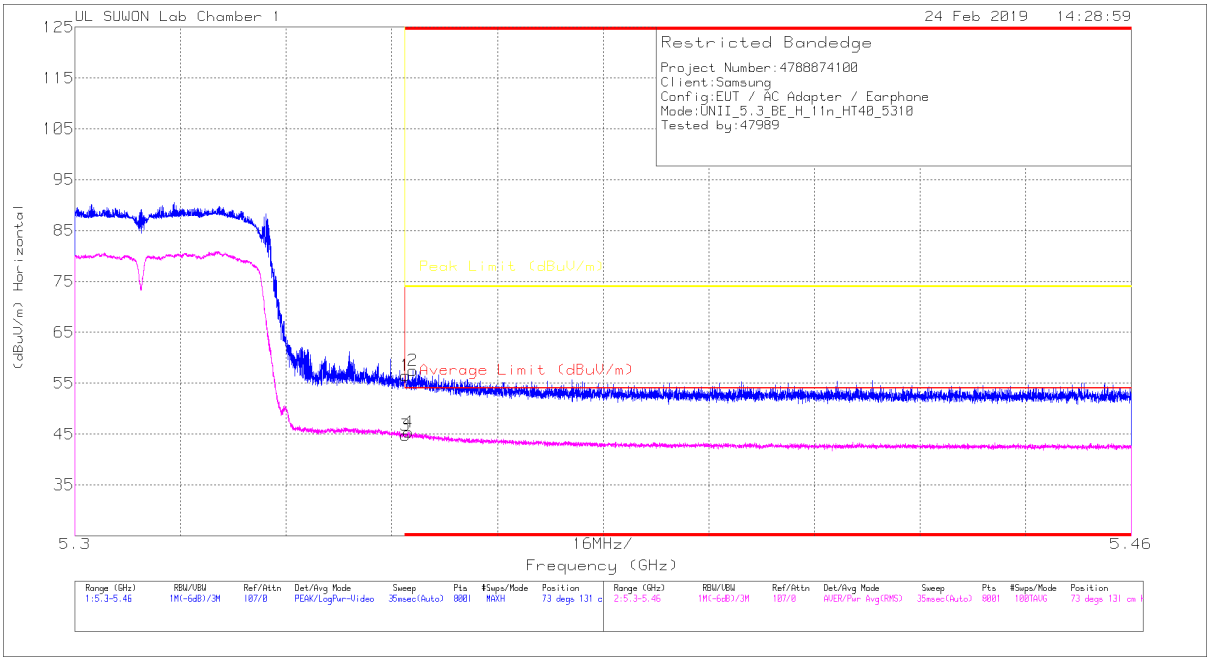
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.64	34.83	PK-U	37.8	-19.6	0	53.03	-	-	74	-20.97	-	-	126	111	H
* 10.64	26.34	ADR	37.8	-19.6	.13	44.67	54	-9.33	-	-	-	-	126	111	H
* 10.64	36.58	PK-U	37.8	-19.6	0	54.78	-	-	74	-19.22	-	-	222	154	V
* 10.64	30.24	ADR	37.8	-19.6	.13	48.57	54	-5.43	-	-	-	-	222	154	V
* 15.963	42.62	PK-U	40.6	-19.6	0	63.62	-	-	74	-10.38	-	-	162	140	V
* 15.959	28.25	ADR	40.5	-19.7	.13	49.18	54	-4.82	-	-	-	-	162	140	V
* 15.962	40.85	PK-U	40.5	-19.6	0	61.75	-	-	74	-12.25	-	-	157	110	H
* 15.959	26.52	ADR	40.5	-19.7	.13	47.45	54	-6.55	-	-	-	-	157	110	H

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

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

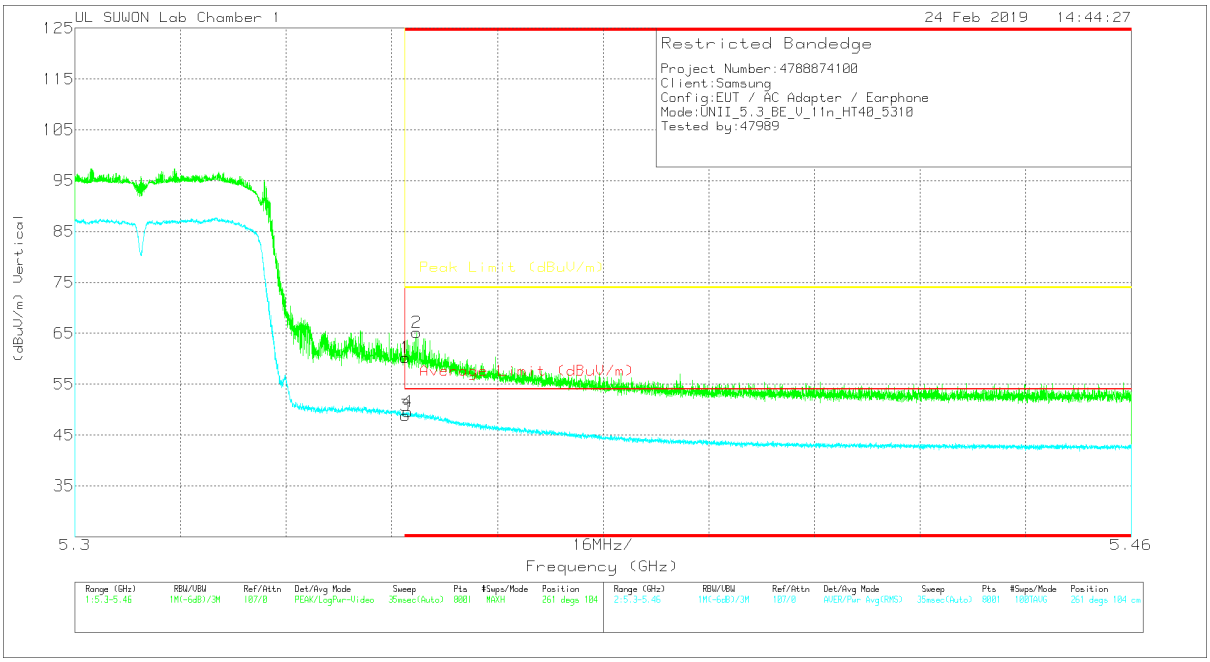


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.35	43.42	Pk	34.7	-21.6	0	56.52	-	-	74	-17.48	73	131	H
2	* 5.351	44.38	Pk	34.7	-21.6	0	57.48	-	-	74	-16.52	73	131	H
3	* 5.35	31.36	RMS	34.7	-21.7	.36	44.72	54	-9.28	-	-	73	131	H
4	* 5.351	32.07	RMS	34.7	-21.7	.36	45.43	54	-8.57	-	-	73	131	H

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

VERTICAL PEAK AND AVERAGE PLOT



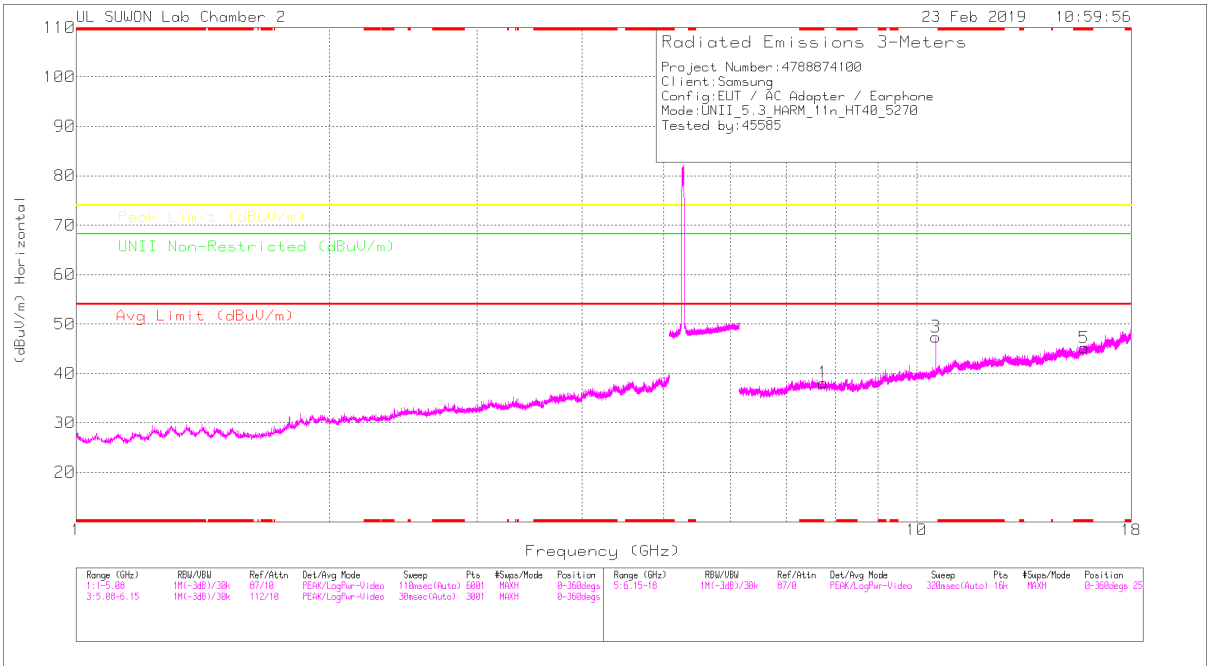
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.35	47.14	Pk	34.7	-21.6	0	60.24	-	-	74	-13.76	261	104	V
2	* 5.352	52.11	Pk	34.7	-21.6	0	65.21	-	-	74	-8.79	261	104	V
3	* 5.35	35.47	RMS	34.7	-21.7	.36	48.83	54	-5.17	-	-	261	104	V
4	* 5.35	36.27	RMS	34.7	-21.7	.36	49.63	54	-4.37	-	-	261	104	V

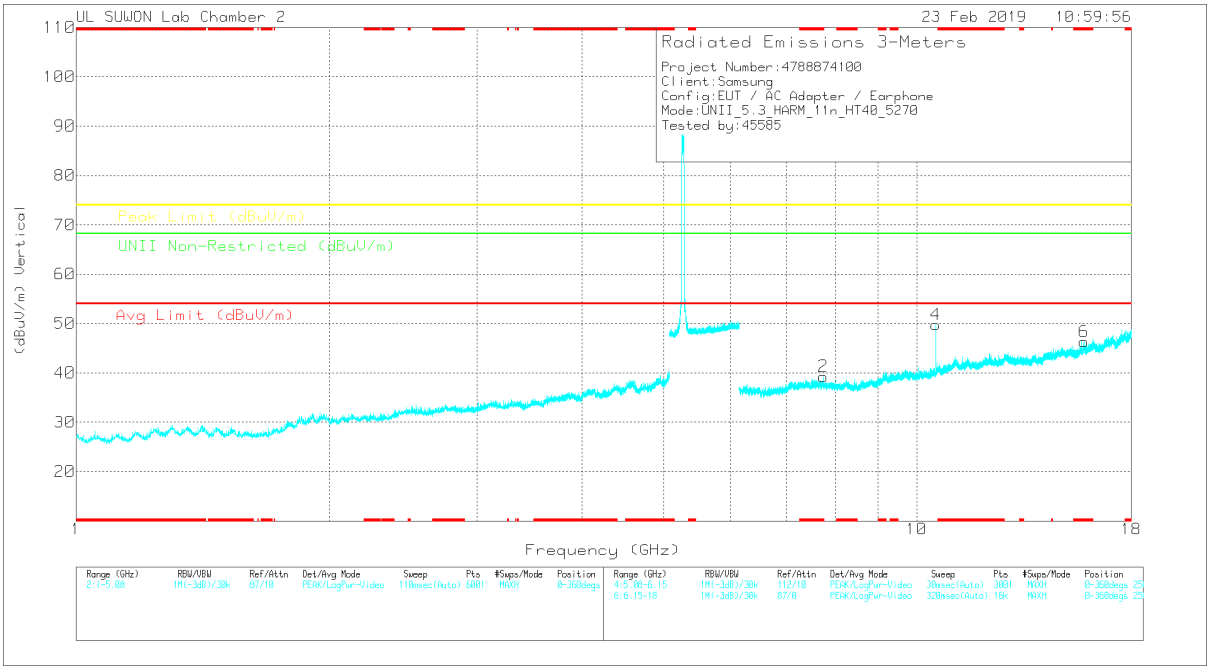
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	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
1	* 7.745	25.83	PK	36	-23.7	0	38.13	-	-	74	-35.87	-	-	0-360	250	H
3	10.54	30.28	PK	37.7	-20.6	0	47.38	-	-	-	-	68.2	-20.82	0-360	250	H
5	* 15.812	24.7	PK	40.4	-19.9	0	45.2	-	-	74	-28.8	-	-	0-360	250	H
2	* 7.739	26.95	PK	36	-23.7	0	39.25	-	-	74	-34.75	-	-	0-360	250	V
4	10.54	32.69	PK	37.7	-20.6	0	49.79	-	-	-	-	68.2	-18.41	0-360	150	V
6	* 15.809	25.83	PK	40.4	-19.9	0	46.33	-	-	74	-27.67	-	-	0-360	150	V

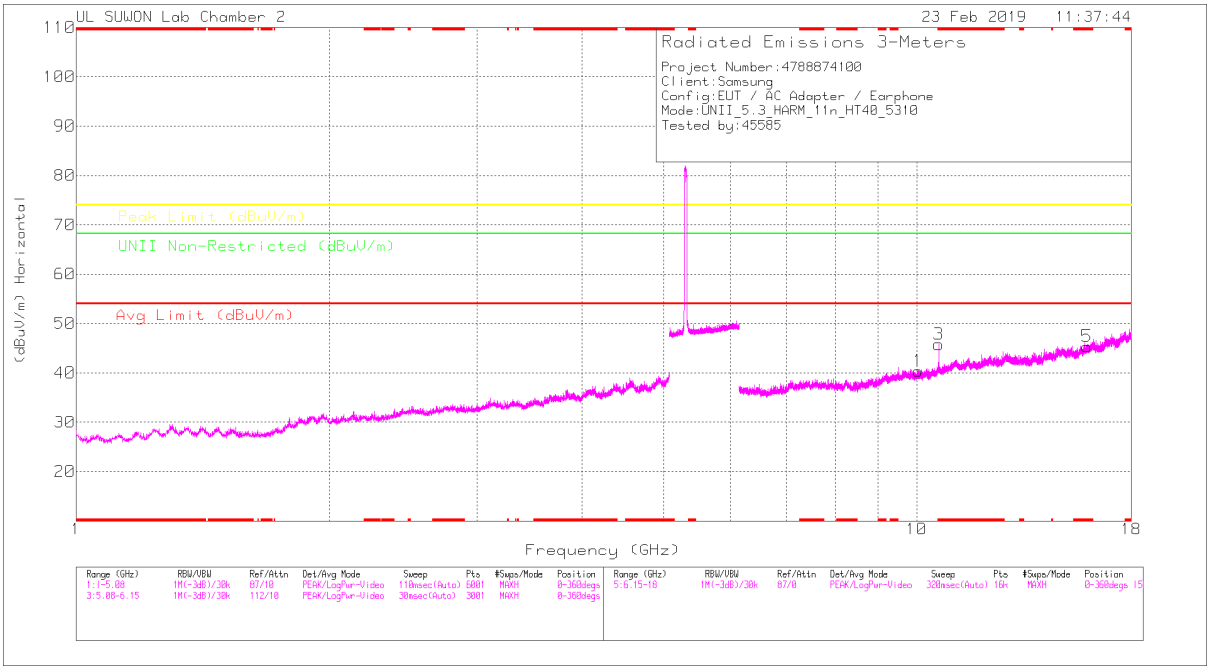
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

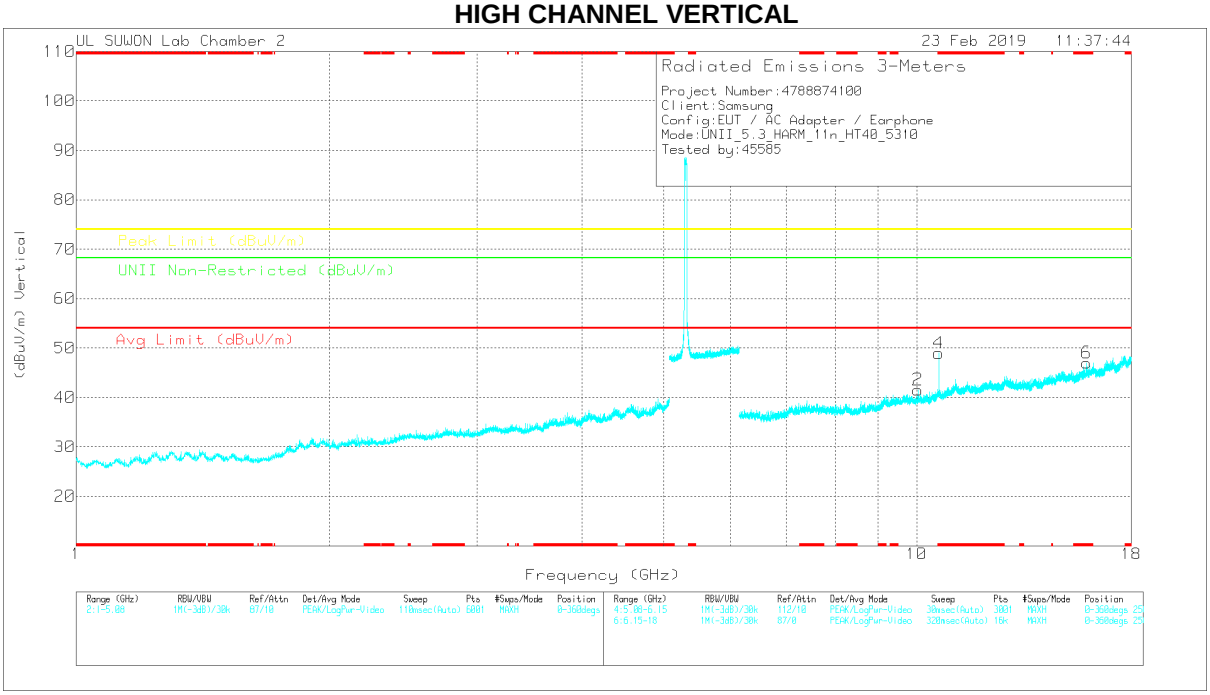
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.54	35.95	PK-U	37.7	-20.6	0	53.05	-	-	-	-	68.2	-15.15	226	172	H
10.54	36.96	PK-U	37.7	-20.6	0	54.06	-	-	-	-	68.2	-14.14	225	164	V

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	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
1	10.037	23.6	PK	37.5	-20.7	0	40.4	-	-	-	-	68.2	-27.8	0-360	150	H
3	* 10.619	27.58	PK	37.8	-19.6	0	45.78	-	-	74	-28.22	-	-	0-360	250	H
5	* 15.943	24.44	PK	40.5	-19.6	0	45.34	-	-	74	-28.66	-	-	0-360	150	H
2	10.032	24.95	PK	37.5	-20.9	0	41.55	-	-	-	-	68.2	-26.65	0-360	250	V
4	* 10.62	30.76	PK	37.8	-19.6	0	48.96	-	-	74	-25.04	-	-	0-360	150	V
6	* 15.937	26.1	PK	40.5	-19.6	0	47	-	-	74	-27	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

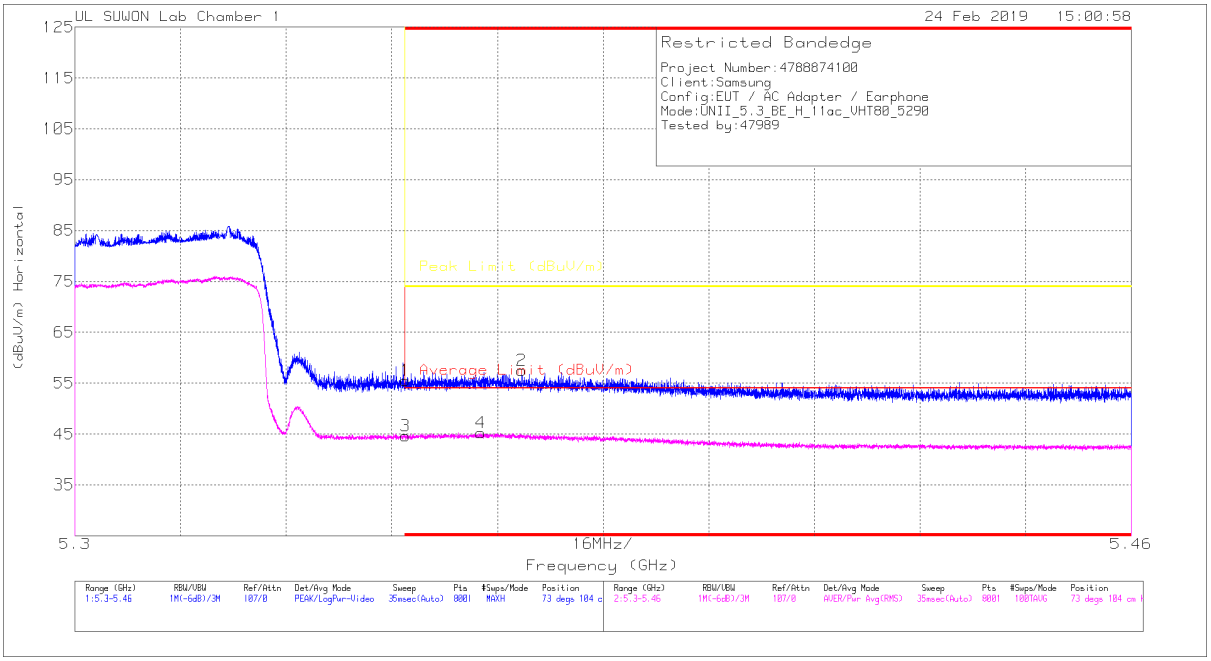
Radiated Emissions

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
* 10.62	34.96	PK-U	37.8	-19.6	0	53.16	-	-	74	-20.84	-	-	130	138	H
* 10.62	27.03	ADR	37.8	-19.6	.36	45.59	54	-8.41	-	-	-	-	130	138	H
* 10.62	37.22	PK-U	37.8	-19.6	0	55.42	-	-	74	-18.58	-	-	224	154	V
* 10.62	29.99	ADR	37.8	-19.6	.36	48.55	54	-5.45	-	-	-	-	224	154	V
* 15.944	37.53	PK-U	40.5	-19.6	0	58.43	-	-	74	-15.57	-	-	162	141	V
* 15.934	24.32	ADR	40.5	-19.6	.36	45.58	54	-8.42	-	-	-	-	162	141	V
* 15.946	35.43	PK-U	40.5	-19.7	0	56.23	-	-	74	-17.77	-	-	161	129	H
* 15.94	23.15	ADR	40.5	-19.5	.36	44.51	54	-9.49	-	-	-	-	161	129	H

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

11.2.4.TX Above 1GHz 802.11ac VHT80 MODE IN THE 5.3GHz BAND RESTRICTED BANDEDGE (MID CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

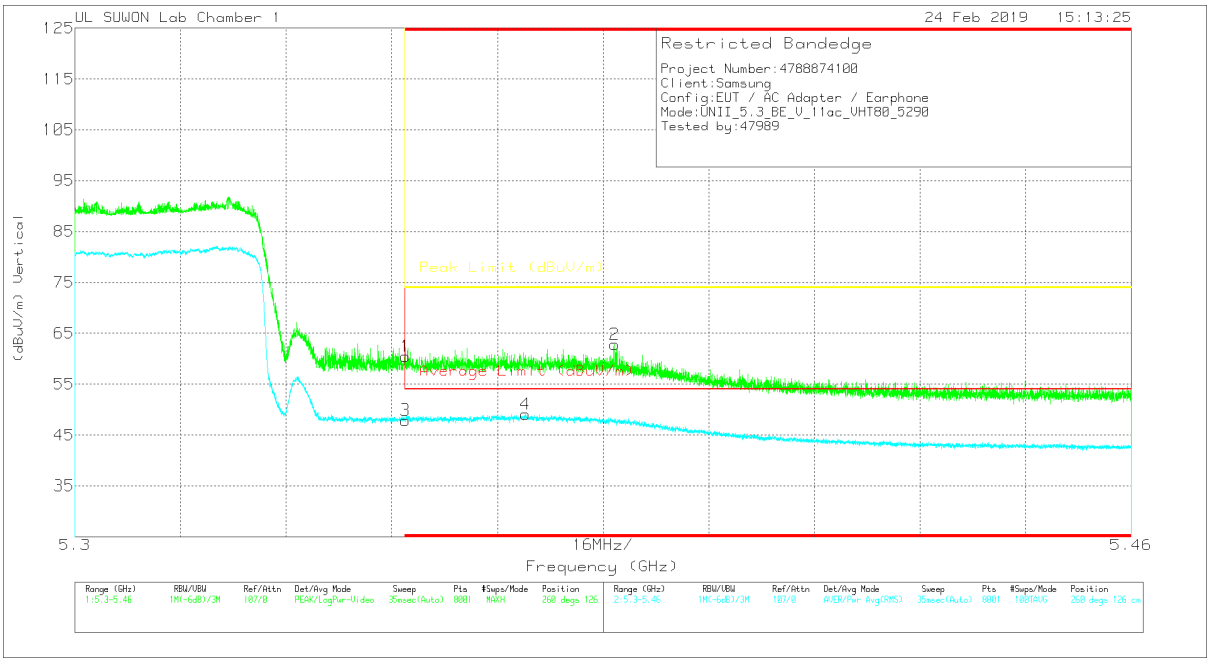


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.35	42.44	Pk	34.7	-21.6	0	55.54	-	-	74	-18.46	73	104	H
2	* 5.368	44.41	Pk	34.7	-21.6	0	57.51	-	-	74	-16.49	73	104	H
3	* 5.35	31.38	RMS	34.7	-21.7	.24	44.62	54	-9.38	-	-	73	104	H
4	* 5.362	32.04	RMS	34.7	-21.7	.24	45.28	54	-8.72	-	-	73	104	H

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

VERTICAL PEAK AND AVERAGE PLOT



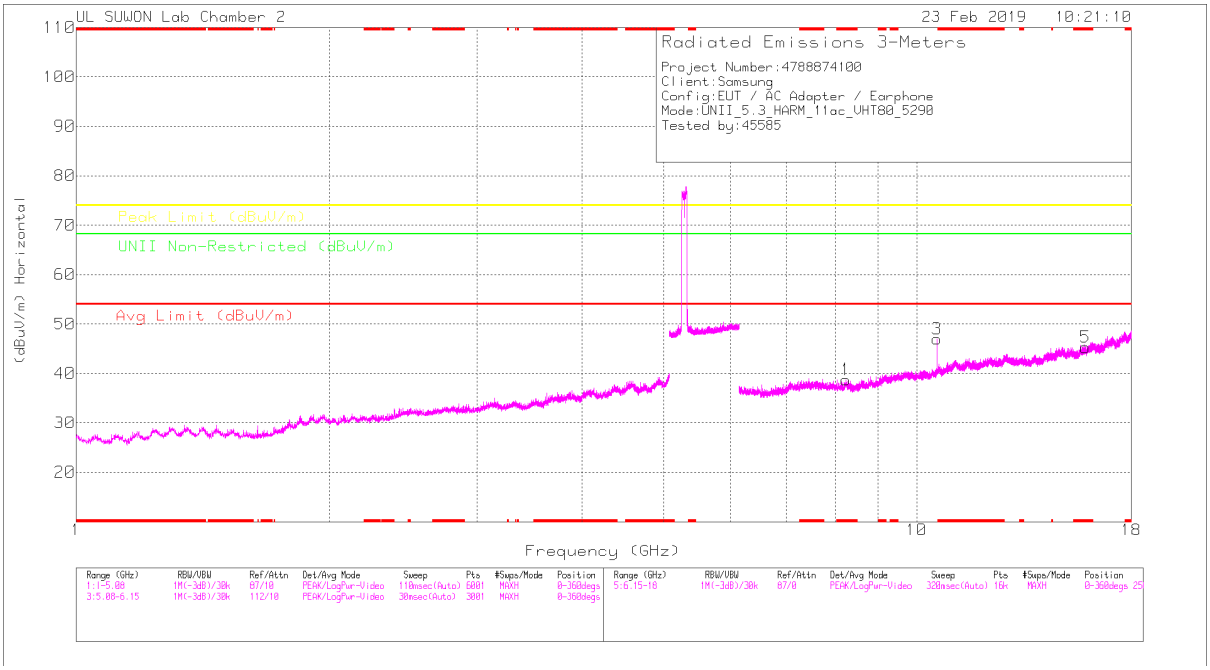
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.35	47.41	Pk	34.7	-21.6	0	60.51	-	-	74	-13.49	260	126	V
2	* 5.382	49.61	Pk	34.7	-21.5	0	62.81	-	-	74	-11.19	260	126	V
3	* 5.35	34.67	RMS	34.7	-21.7	.24	47.91	54	-6.09	-	-	260	126	V
4	* 5.368	35.89	RMS	34.7	-21.7	.24	49.13	54	-4.87	-	-	260	126	V

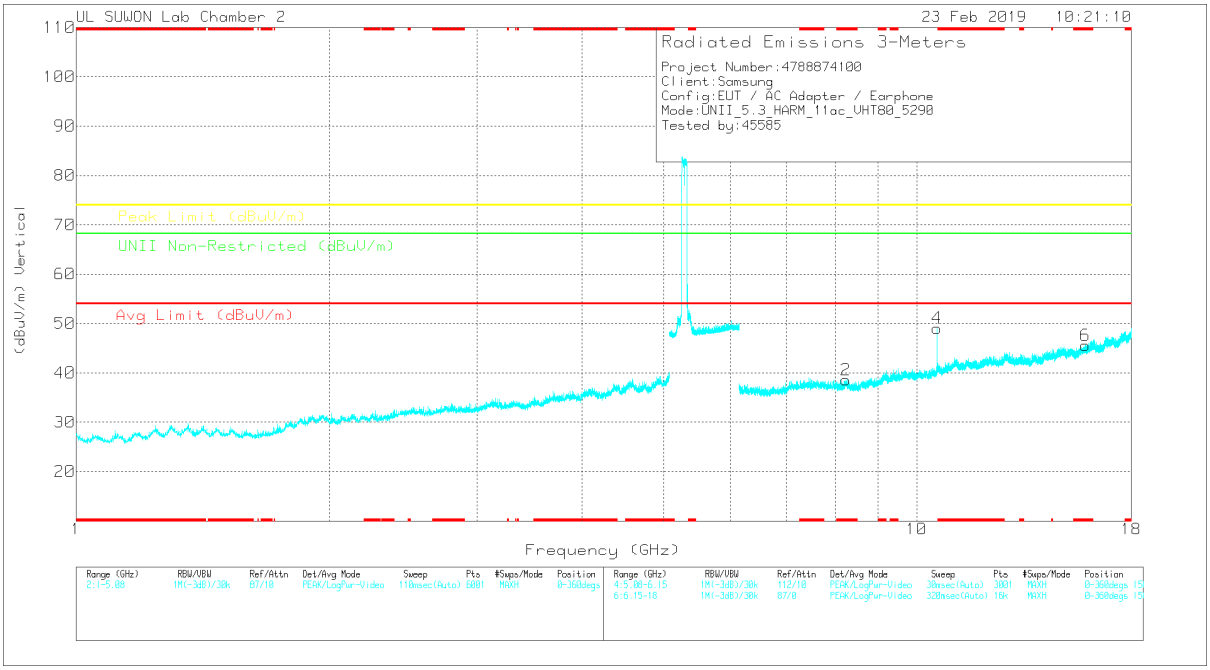
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	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
1	* 8.241	25.92	PK	36	-23.2	0	38.72	-	-	74	-35.28	-	-	0-360	250	H
3	10.58	28.99	PK	37.8	-19.8	0	46.99	-	-	-	-	68.2	-21.21	0-360	250	H
5	* 15.875	24.57	PK	40.5	-19.8	0	45.27	-	-	74	-28.73	-	-	0-360	150	H
2	* 8.241	25.79	PK	36	-23.2	0	38.59	-	-	74	-35.41	-	-	0-360	150	V
4	10.58	31.03	PK	37.8	-19.8	0	49.03	-	-	-	-	68.2	-19.17	0-360	150	V
6	* 15.876	24.77	PK	40.5	-19.7	0	45.57	-	-	74	-28.43	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

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
10.58	35.17	PK-U	37.8	-19.8	0	53.17	-	-	-	-	68.2	-15.03	128	103	H
10.58	36.73	PK-U	37.8	-19.8	0	54.73	-	-	-	-	68.2	-13.47	224	148	V

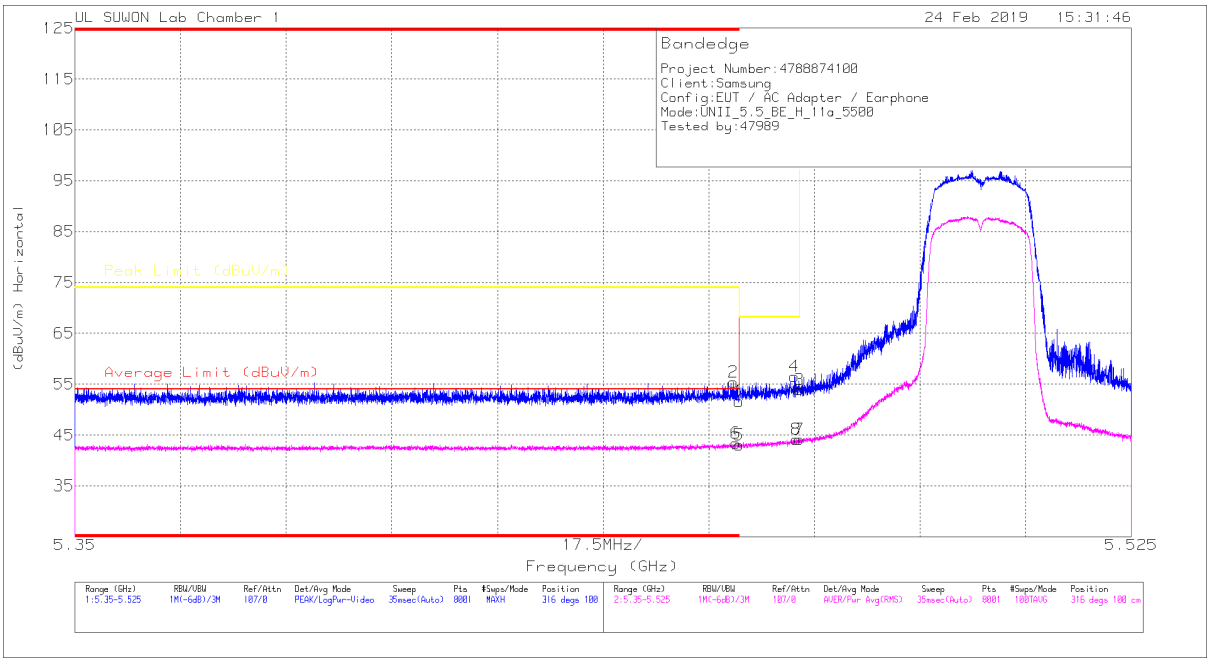
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak

11.3. 5.5-5.6 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

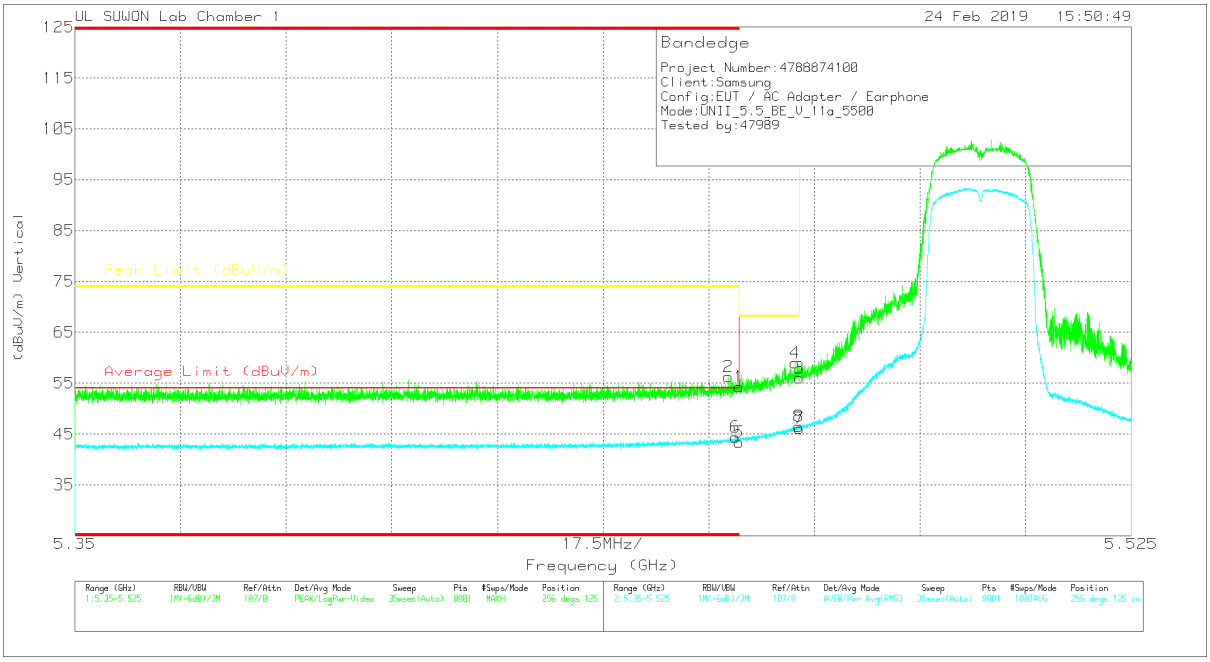


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.46	38.33	Pk	34.7	-21.4	0	51.63	-	-	74	-22.37	316	100	H
2	* 5.459	42.09	Pk	34.7	-21.4	0	55.39	-	-	74	-18.61	316	100	H
3	5.47	40.64	Pk	34.7	-21.4	0	53.94	-	-	68.2	-14.26	316	100	H
4	5.469	43.26	Pk	34.7	-21.4	0	56.56	-	-	68.2	-11.64	316	100	H
5	* 5.46	29.7	RMS	34.7	-21.5	.12	43.02	54	-10.98	-	-	316	100	H
6	* 5.459	30.05	RMS	34.7	-21.5	.12	43.37	54	-10.63	-	-	316	100	H
7	5.47	30.78	RMS	34.7	-21.5	.12	44.1	-	-	-	-	316	100	H
8	5.47	30.87	RMS	34.7	-21.6	.12	44.09	-	-	-	-	316	100	H

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

VERTICAL PEAK AND AVERAGE PLOT



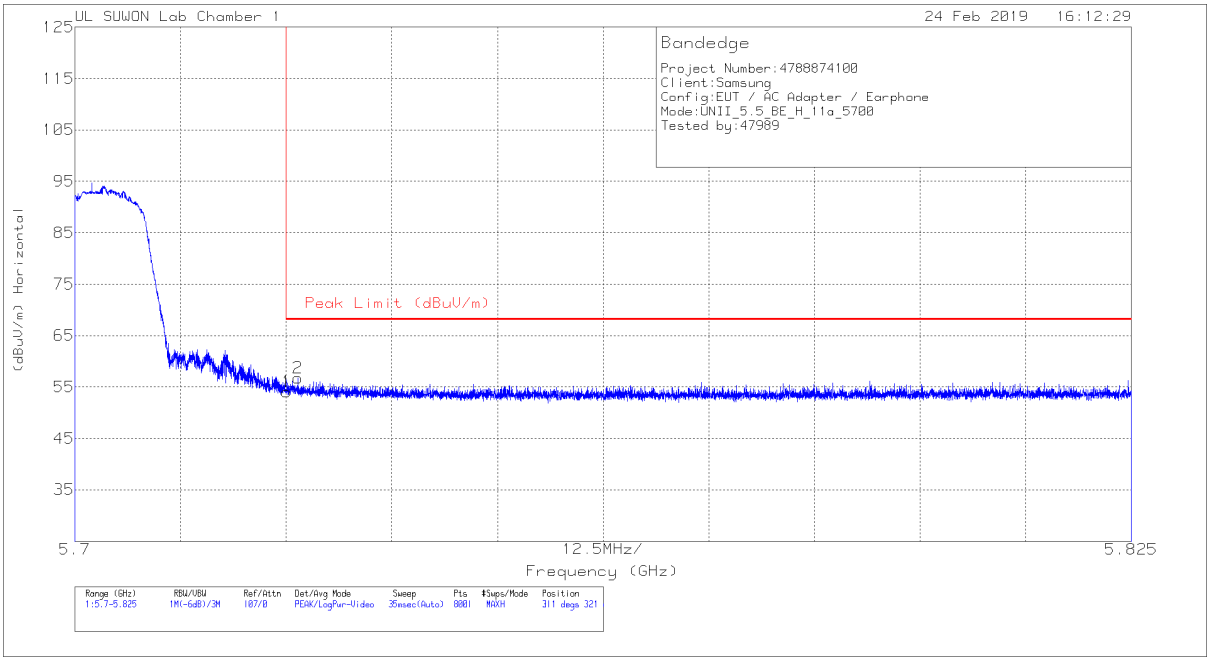
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.46	40.99	Pk	34.7	-21.4	0	54.29	-	-	74	-19.71	256	125	V
2	* 5.458	43.11	Pk	34.7	-21.5	0	56.31	-	-	74	-17.69	256	125	V
3	5.47	42.73	Pk	34.7	-21.4	0	56.03	-	-	68.2	-12.17	256	125	V
4	5.469	45.63	Pk	34.7	-21.4	0	58.93	-	-	68.2	-9.27	256	125	V
5	* 5.46	30.08	RMS	34.7	-21.5	.12	43.4	54	-10.6	-	-	256	125	V
6	* 5.459	31.1	RMS	34.7	-21.5	.12	44.42	54	-9.58	-	-	256	125	V
7	5.47	32.8	RMS	34.7	-21.5	.12	46.12	-	-	-	-	256	125	V
8	5.47	33.22	RMS	34.7	-21.5	.12	46.54	-	-	-	-	256	125	V

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

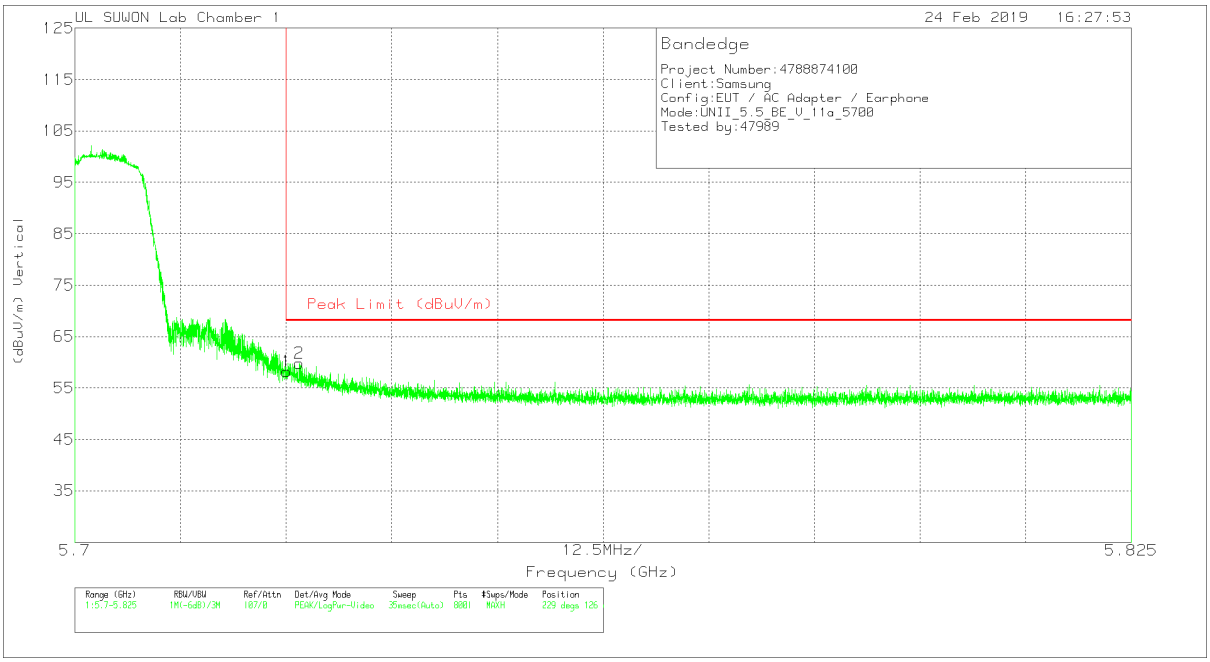


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.32	Pk	34.8	-21.1	0	54.02	68.2	-14.18	311	321	H
2	5.726	43.09	Pk	34.8	-21.1	0	56.79	68.2	-11.41	311	321	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



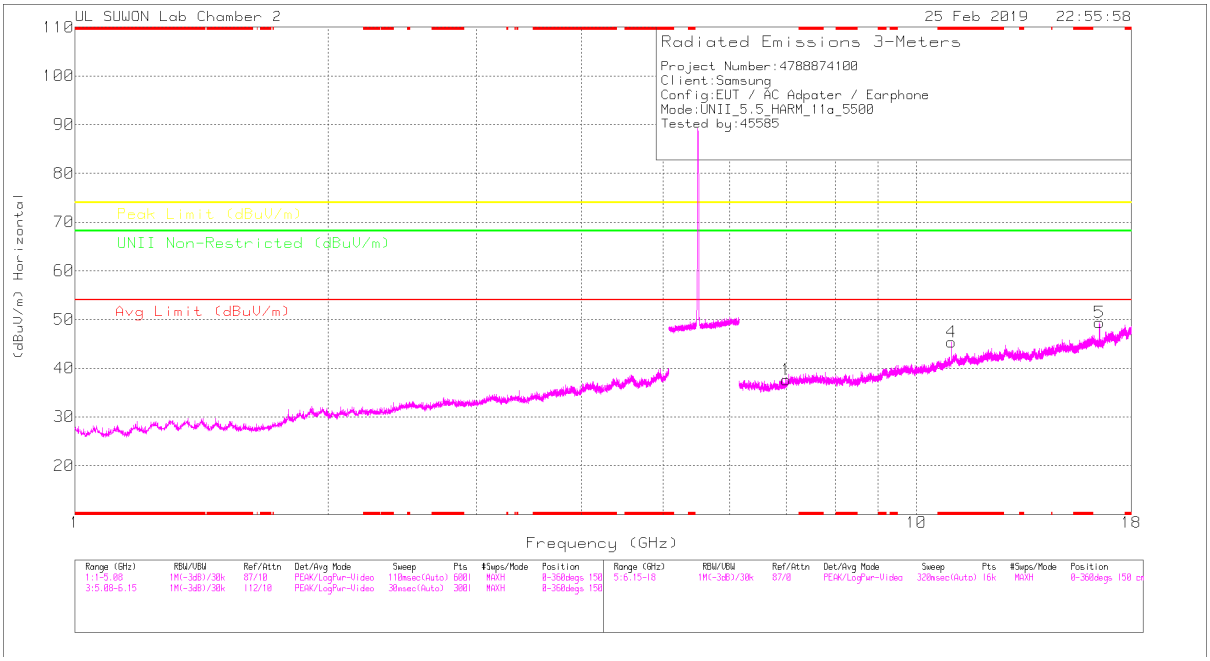
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.5	Pk	34.8	-21.1	0	58.2	68.2	-10	229	126	V
2	5.727	46.14	Pk	34.8	-21.1	0	59.84	68.2	-8.36	229	126	V

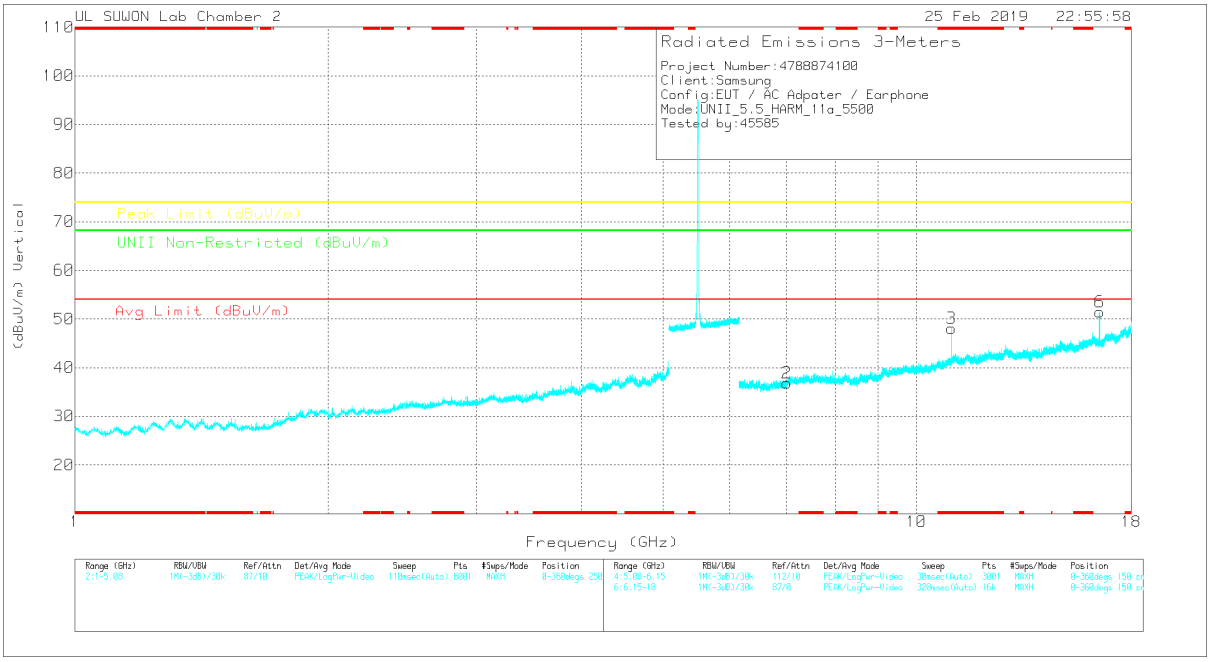
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	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
1	6.999	27.46	PK	35.8	-25.7	0	37.56	-	-	-	-	68.2	-30.64	0-360	250	H
4	* 11	27.84	PK	38.1	-20.6	0	45.34	-	-	74	-28.66	-	-	0-360	150	H
5	16.498	28.77	PK	40.5	-19.9	0	49.37	-	-	-	-	68.2	-18.83	0-360	250	H
2	7.017	26.47	PK	35.8	-25.4	0	36.87	-	-	-	-	68.2	-31.33	0-360	150	V
3	* 11	30.6	PK	38.1	-20.6	0	48.1	-	-	74	-25.9	-	-	0-360	150	V
6	16.501	30.75	PK	40.5	-19.8	0	51.45	-	-	-	-	68.2	-16.75	0-360	150	V

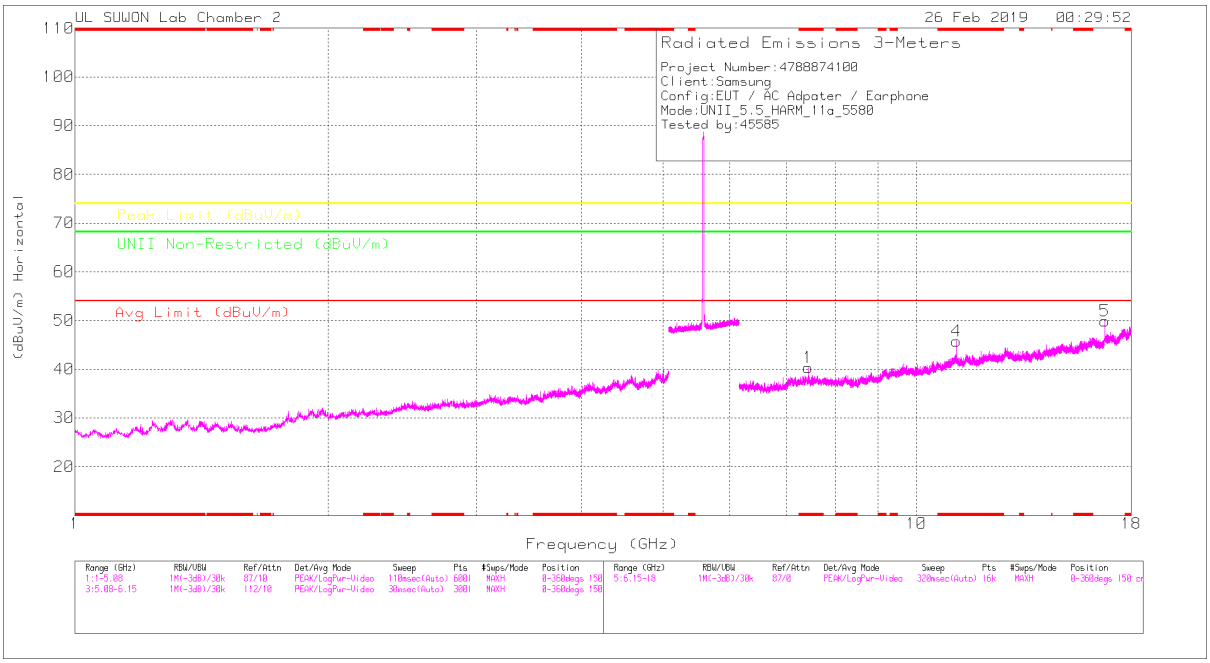
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

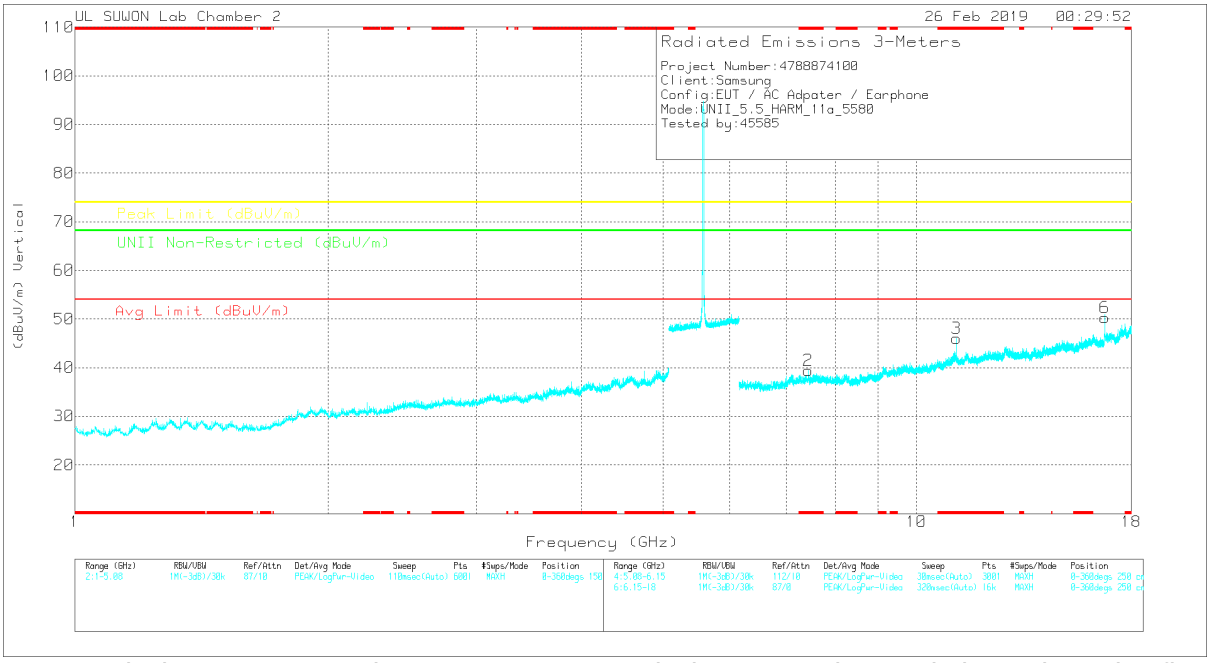
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11	37.48	PK-U	38.1	-20.6	0	54.98	-	-	74	-19.02	-	-	148	100	H
* 11	29.61	ADR	38.1	-20.6	.12	47.23	54	-6.77	-	-	-	-	148	100	H
* 11	37.27	PK-U	38.1	-20.6	0	54.77	-	-	74	-19.23	-	-	195	100	V
* 11	30.25	ADR	38.1	-20.6	.12	47.87	54	-6.13	-	-	-	-	195	100	V
16.504	41.58	PK-U	40.5	-19.9	0	62.18	-	-	-	-	68.2	-6.02	148	103	V
16.505	42.36	PK-U	40.5	-19.9	0	62.96	-	-	-	-	68.2	-5.24	163	110	H

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	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
1	* 7.44	28.37	PK	36.2	-24.3	0	40.27	-	-	74	-33.73	-	-	0-360	150	H
4	* 11.16	27.21	PK	38.2	-19.6	0	45.81	-	-	74	-28.19	-	-	0-360	150	H
5	16.743	28.12	PK	40.9	-19.1	0	49.92	-	-	-	-	68.2	-18.28	0-360	250	H
2	* 7.439	27.56	PK	36.2	-24.3	0	39.46	-	-	74	-34.54	-	-	0-360	150	V
3	* 11.16	27.42	PK	38.2	-19.6	0	46.02	-	-	74	-27.98	-	-	0-360	150	V
6	16.742	28.61	PK	40.9	-19.2	0	50.31	-	-	-	-	68.2	-17.89	0-360	150	V

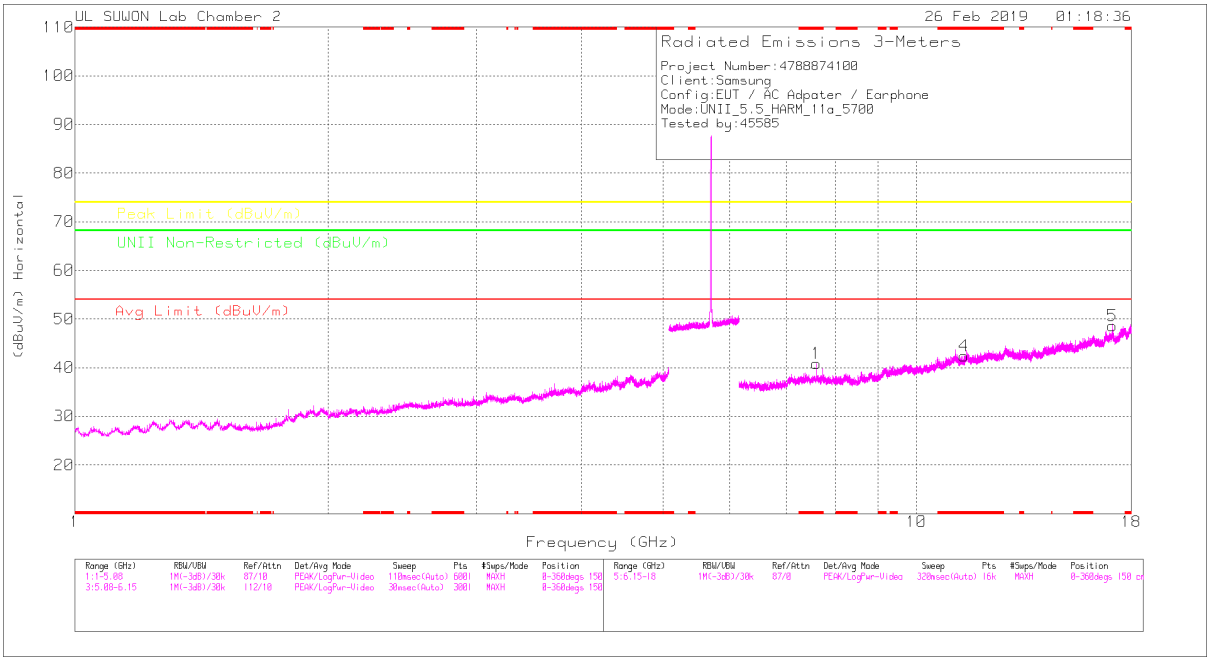
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

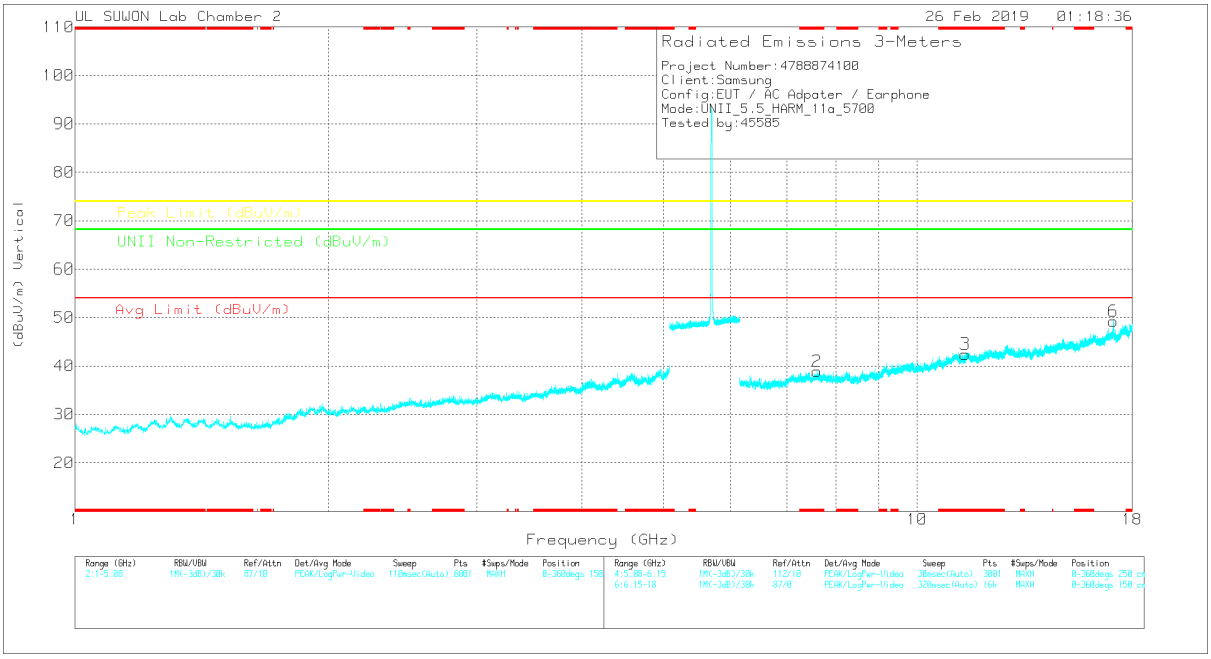
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.16	35.85	PK-U	38.2	-19.6	0	54.45	-	-	74	-19.55	-	-	147	100	H
* 11.16	27.37	ADR	38.2	-19.6	.12	46.09	54	-7.91	-	-	-	-	147	100	H
* 11.16	35.85	PK-U	38.2	-19.6	0	54.45	-	-	74	-19.55	-	-	165	106	V
* 11.16	27.12	ADR	38.2	-19.6	.12	45.84	54	-8.16	-	-	-	-	165	106	V
16.744	40.56	PK-U	40.9	-19.1	0	62.36	-	-	-	-	68.2	-5.84	150	113	V
16.745	42.06	PK-U	40.9	-19.2	0	63.76	-	-	-	-	68.2	-4.44	167	100	H

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	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
1	* 7.599	28.74	PK	36.1	-24	0	40.84	-	-	74	-33.16	-	-	0-360	250	H
4	* 11.399	24.27	PK	38.3	-20.2	0	42.37	-	-	74	-31.63	-	-	0-360	250	H
5	17.1	25.99	PK	41.3	-18.7	0	48.59	-	-	-	-	68.2	-19.61	0-360	250	H
2	* 7.599	26.85	PK	36.1	-24	0	38.95	-	-	74	-35.05	-	-	0-360	250	V
3	* 11.4	24.36	PK	38.3	-20.2	0	42.46	-	-	74	-31.54	-	-	0-360	250	V
6	17.102	26.68	PK	41.3	-18.7	0	49.28	-	-	-	-	68.2	-18.92	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

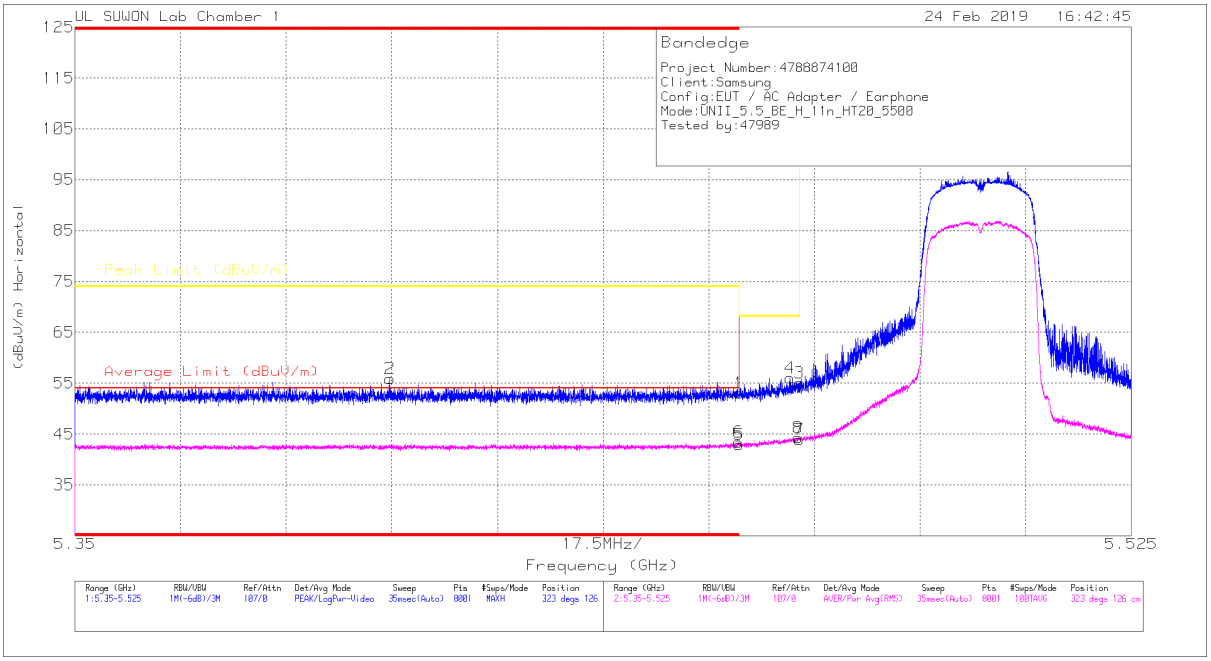
Radiated Emissions

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
* 7.6	37.96	PK-U	36.1	-24	0	50.06	-	-	74	-23.94	-	-	205	143	H
* 7.6	28.42	ADR	36.1	-24	.12	40.64	54	-13.36	-	-	-	-	205	143	H
* 7.6	37.25	PK-U	36.1	-24	0	49.35	-	-	74	-24.65	-	-	226	161	V
* 7.6	26.05	ADR	36.1	-24	.12	38.27	54	-15.73	-	-	-	-	226	161	V
17.105	38.46	PK-U	41.3	-18.7	0	61.06	-	-	-	-	68.2	-7.14	148	140	V
17.104	38.71	PK-U	41.3	-18.7	0	61.31	-	-	-	-	68.2	-6.89	165	100	H

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

11.3.2.TX ABOVE 1GHz 802.11n HT20 MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

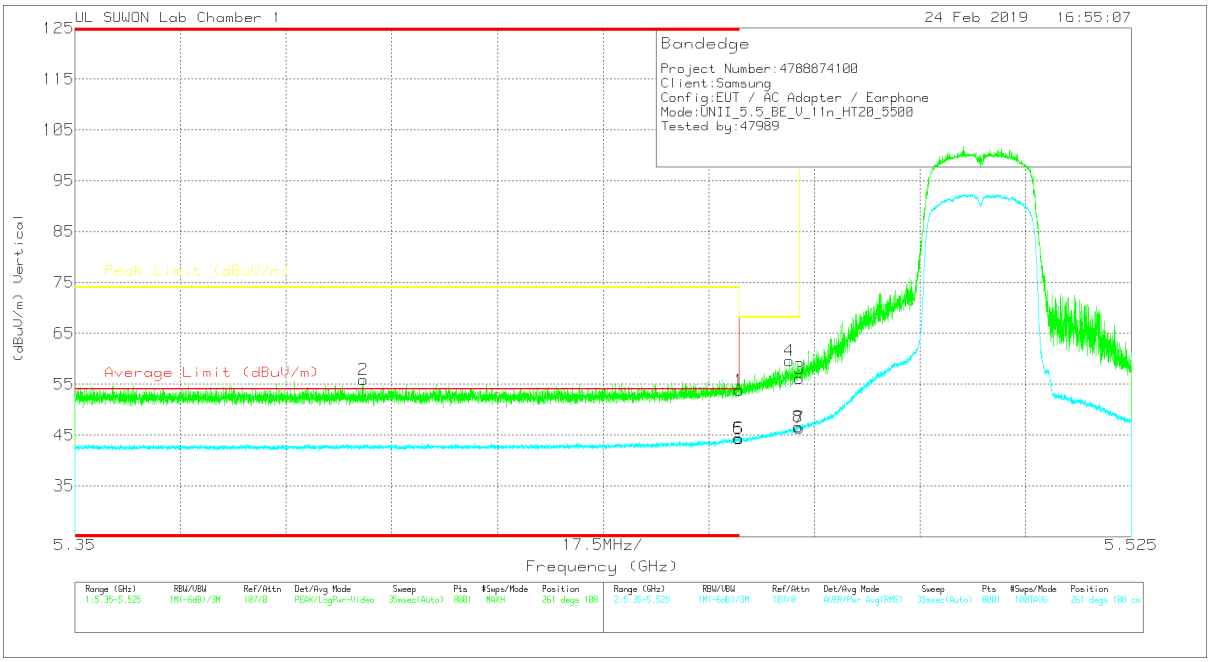


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.46	39.74	Pk	34.7	-21.4	0	53.04	-	-	74	-20.96	323	126	H
2	* 5.402	42.67	Pk	34.7	-21.5	0	55.87	-	-	74	-18.13	323	126	H
3	5.47	41.69	Pk	34.7	-21.4	0	54.99	-	-	68.2	-13.21	323	126	H
4	5.468	42.76	Pk	34.7	-21.4	0	56.06	-	-	68.2	-12.14	323	126	H
5	* 5.46	29.61	RMS	34.7	-21.5	.13	42.94	54	-11.06	-	-	323	126	H
6	* 5.46	30.12	RMS	34.7	-21.5	.13	43.45	54	-10.55	-	-	323	126	H
7	5.47	30.56	RMS	34.7	-21.5	.13	43.89	-	-	-	-	323	126	H
8	5.47	30.99	RMS	34.7	-21.5	.13	44.32	-	-	-	-	323	126	H

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

VERTICAL PEAK AND AVERAGE PLOT



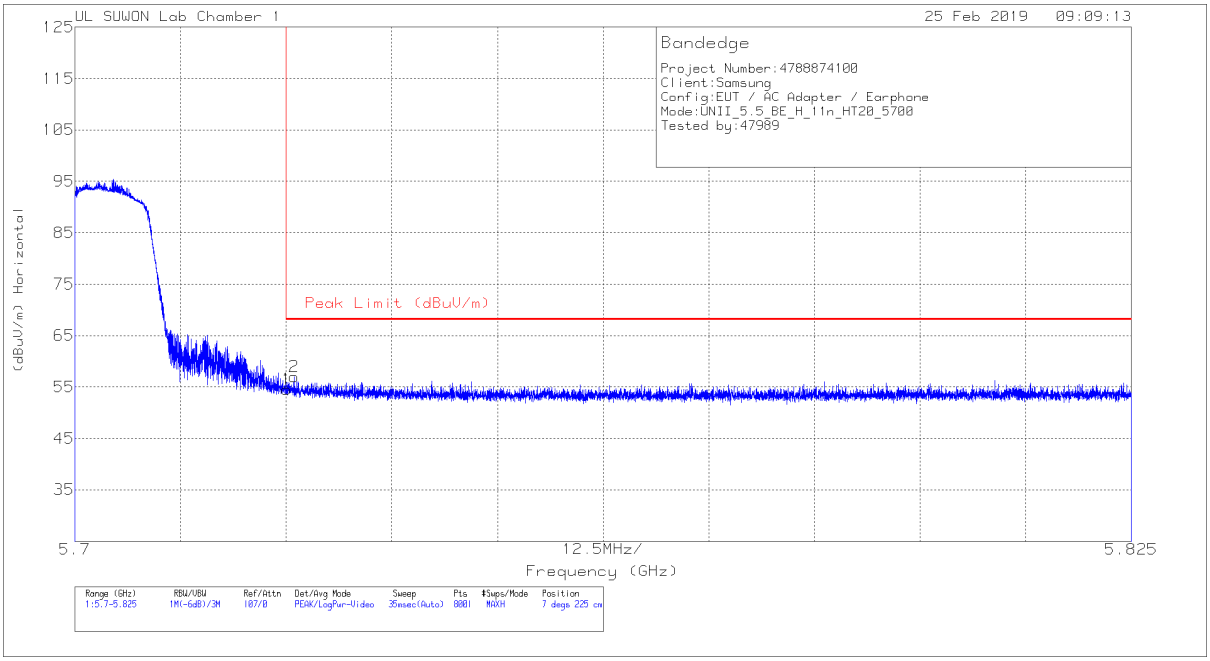
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.46	40.54	Pk	34.7	-21.4	0	53.84	-	-	74	-20.16	261	108	V
2	* 5.398	42.67	Pk	34.7	-21.5	0	55.87	-	-	74	-18.13	261	108	V
3	5.47	42.9	Pk	34.7	-21.4	0	56.2	-	-	68.2	-12	261	108	V
4	5.468	46.31	Pk	34.7	-21.4	0	59.61	-	-	68.2	-8.59	261	108	V
5	* 5.46	30.95	RMS	34.7	-21.5	.13	44.28	54	-9.72	-	-	261	108	V
6	* 5.46	31.08	RMS	34.7	-21.5	.13	44.41	54	-9.59	-	-	261	108	V
7	5.47	33.03	RMS	34.7	-21.5	.13	46.36	-	-	-	-	261	108	V
8	5.47	33.27	RMS	34.7	-21.5	.13	46.6	-	-	-	-	261	108	V

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

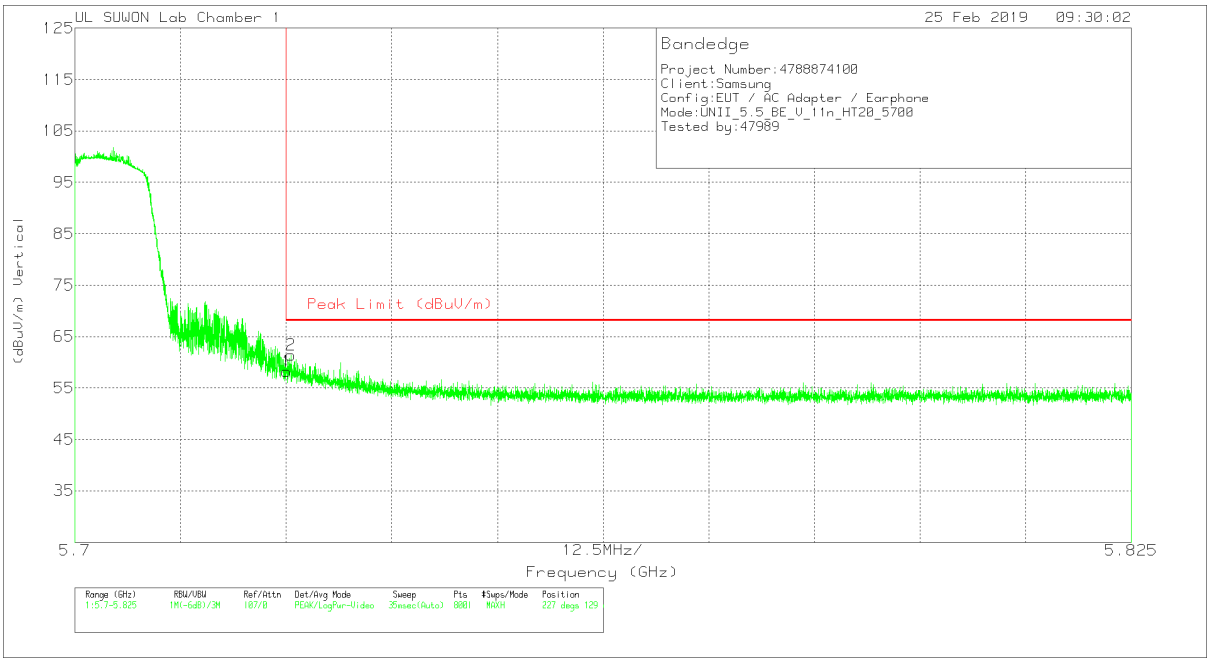


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.87	Pk	34.8	-21.1	0	54.57	68.2	-13.63	7	225	H
2	5.726	43.34	Pk	34.8	-21.1	0	57.04	68.2	-11.16	7	225	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



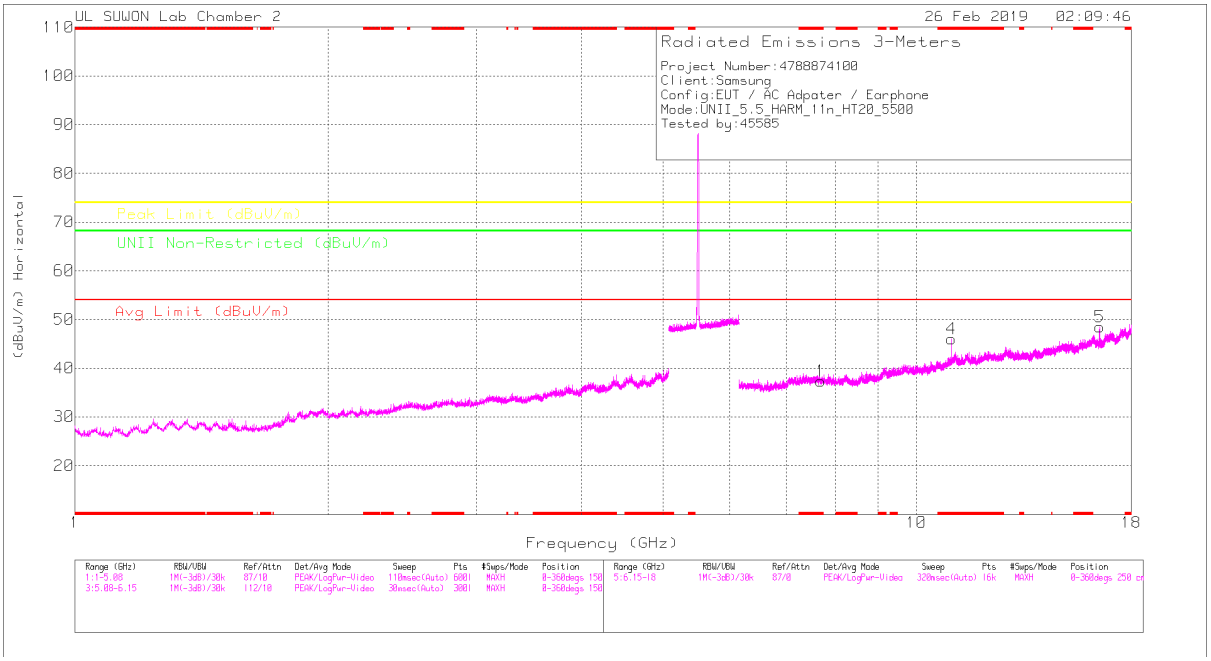
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.54	Pk	34.8	-21.1	0	58.24	68.2	-9.96	227	129	V
2	5.726	47.7	Pk	34.8	-21.1	0	61.4	68.2	-6.8	227	129	V

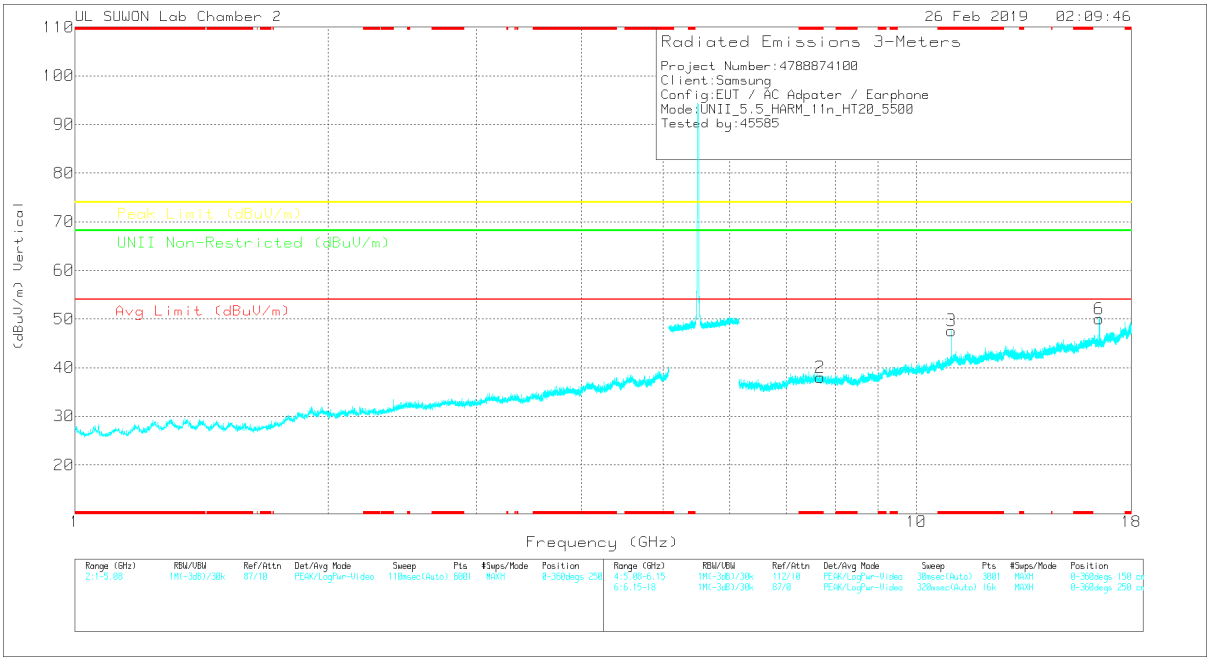
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	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
1	* 7.696	25.36	PK	36	-24	0	37.36	-	-	74	-36.64	-	-	0-360	250	H
4	* 11	28.55	PK	38.1	-20.6	0	46.05	-	-	74	-27.95	-	-	0-360	150	H
5	16.506	27.79	PK	40.5	-19.8	0	48.49	-	-	-	-	68.2	-19.71	0-360	250	H
2	* 7.681	26.25	PK	36	-24.2	0	38.05	-	-	74	-35.95	-	-	0-360	250	V
3	* 11	30.13	PK	38.1	-20.6	0	47.63	-	-	74	-26.37	-	-	0-360	150	V
6	16.496	29.27	PK	40.5	-19.8	0	49.97	-	-	-	-	68.2	-18.23	0-360	150	V

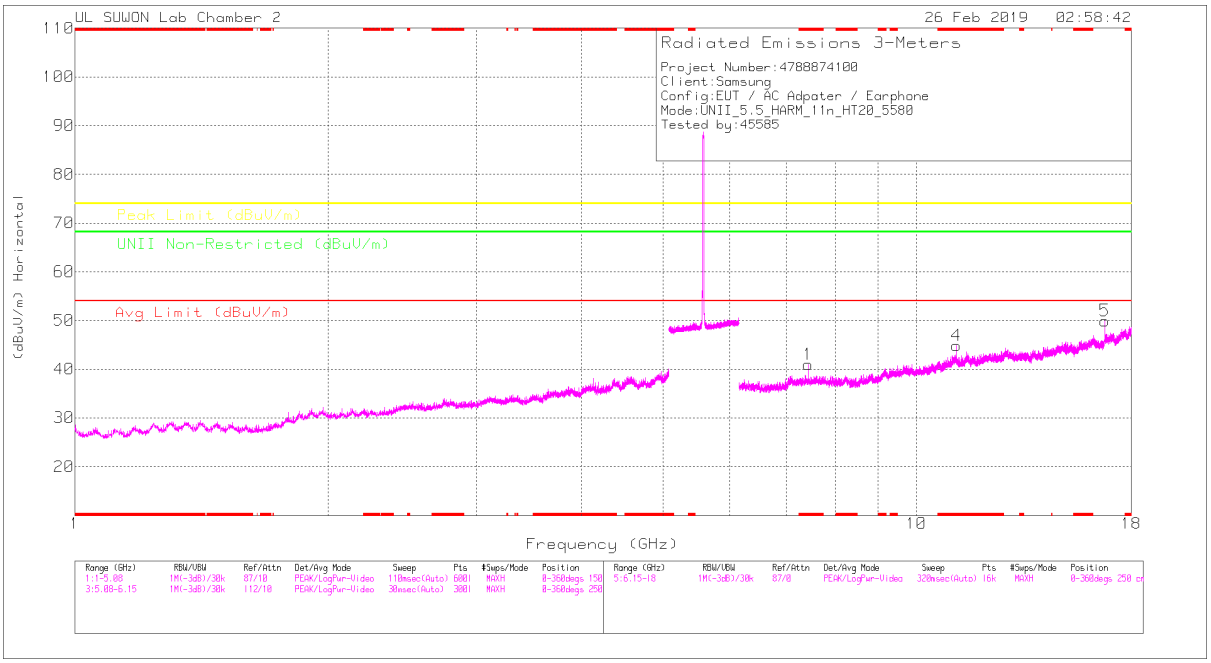
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

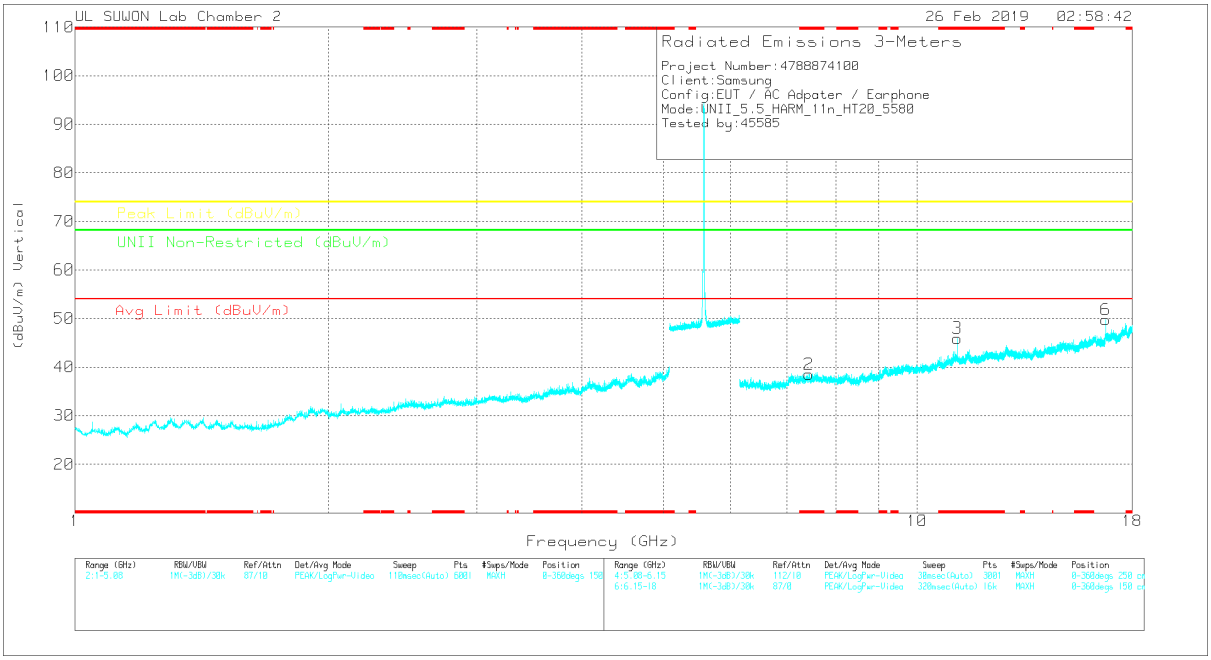
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11	36.67	PK-U	38.1	-20.6	0	54.17	-	-	74	-19.83	-	-	145	100	H
* 11	28.81	ADR	38.1	-20.6	.13	46.44	54	-7.56	-	-	-	-	145	100	H
* 11	37.16	PK-U	38.1	-20.6	0	54.66	-	-	74	-19.34	-	-	212	300	V
* 11	28.48	ADR	38.1	-20.6	.13	46.11	54	-7.89	-	-	-	-	212	300	V
16.502	43.76	PK-U	40.5	-19.8	0	64.46	-	-	-	-	68.2	-3.74	150	109	V
16.502	42.36	PK-U	40.5	-19.8	0	63.06	-	-	-	-	68.2	-5.14	157	210	H

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	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
1	* 7.439	29.13	PK	36.2	-24.3	0	41.03	-	-	74	-32.97	-	-	0-360	150	H
4	* 11.16	26.21	PK	38.2	-19.6	0	44.81	-	-	74	-29.19	-	-	0-360	250	H
5	16.745	28.26	PK	40.9	-19.2	0	49.96	-	-	-	-	68.2	-18.24	0-360	250	H
2	* 7.439	26.64	PK	36.2	-24.3	0	38.54	-	-	74	-35.46	-	-	0-360	150	V
3	* 11.16	27.35	PK	38.2	-19.6	0	45.95	-	-	74	-28.05	-	-	0-360	150	V
6	16.738	28	PK	40.9	-19.1	0	49.8	-	-	-	-	68.2	-18.4	0-360	150	V

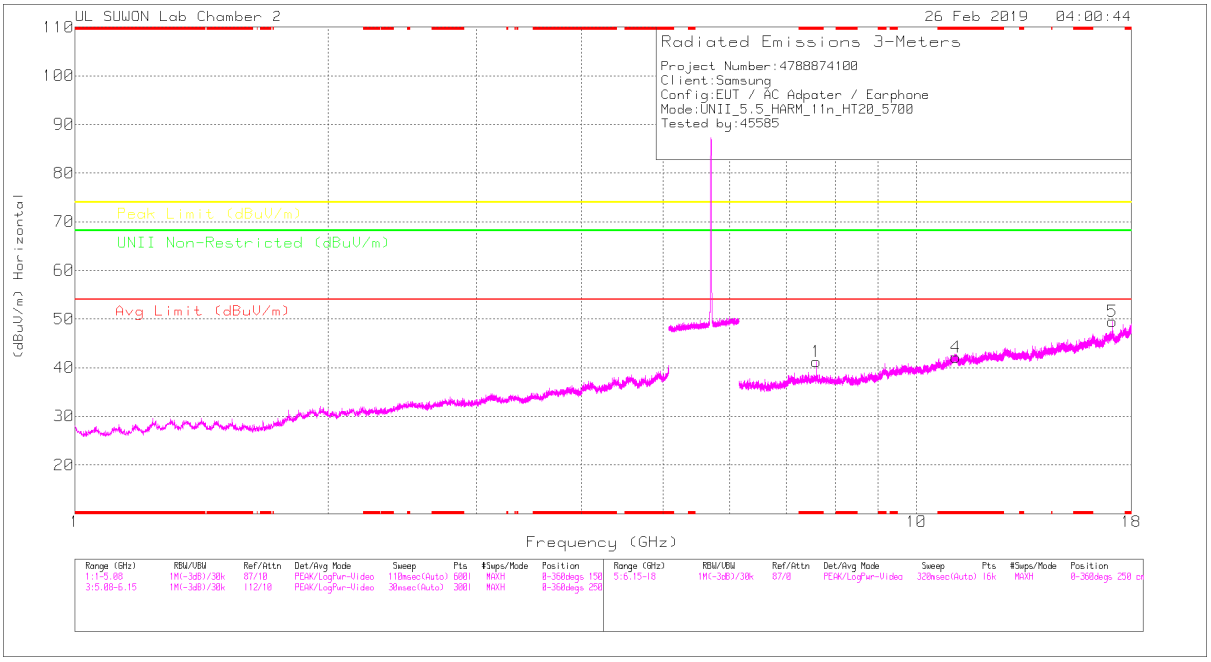
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

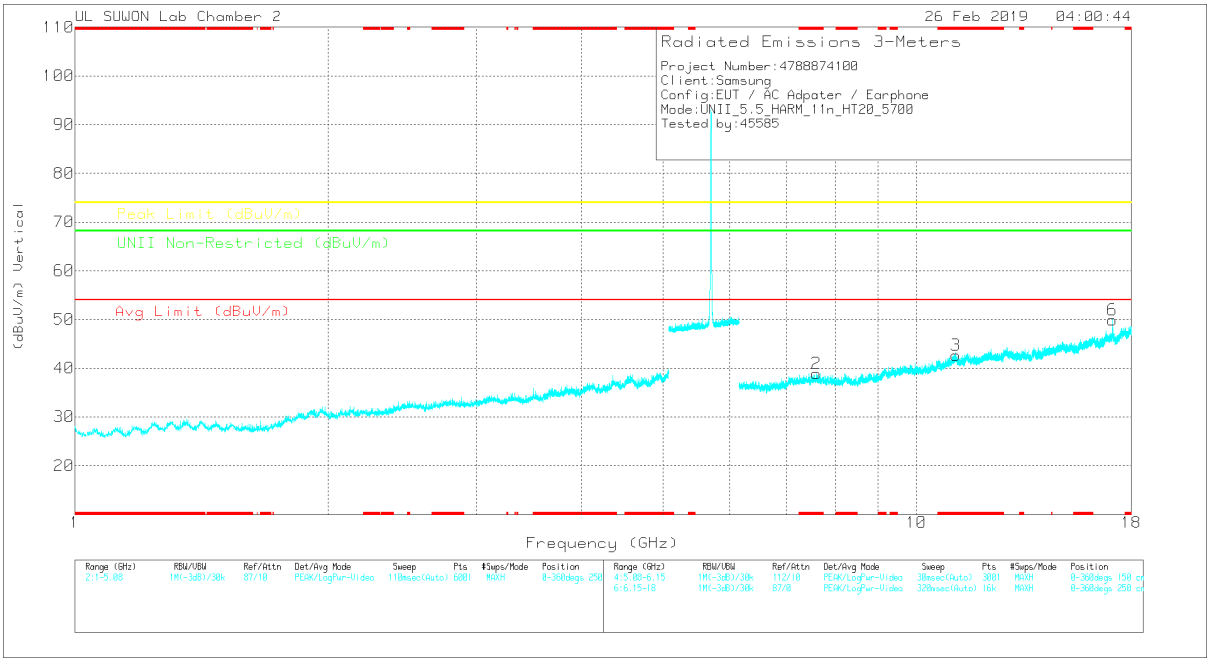
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.44	37.81	PK-U	36.2	-24.3	0	49.71	-	-	74	-24.29	-	-	230	143	H
* 7.44	27.55	ADR	36.2	-24.3	.13	39.58	54	-14.42	-	-	-	-	230	143	H
* 7.44	33.39	PK-U	36.2	-24.3	0	45.29	-	-	74	-28.71	-	-	228	161	V
* 7.44	27	ADR	36.2	-24.3	.13	39.03	54	-14.97	-	-	-	-	228	161	V
* 11.16	36.28	PK-U	38.2	-19.6	0	54.88	-	-	74	-19.12	-	-	139	102	V
* 11.16	28.35	ADR	38.2	-19.6	.13	47.08	54	-6.92	-	-	-	-	139	102	V
* 11.16	36.27	PK-U	38.2	-19.6	0	54.87	-	-	74	-19.13	-	-	148	100	H
* 11.16	27.32	ADR	38.2	-19.6	.13	46.05	54	-7.95	-	-	-	-	148	100	H
16.743	42.02	PK-U	40.9	-19.1	0	63.82	-	-	-	-	68.2	-4.38	167	100	H
16.741	41.79	PK-U	40.9	-19.2	0	63.49	-	-	-	-	68.2	-4.71	151	129	V

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	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
1	* 7.599	29.19	PK	36.1	-24	0	41.29	-	-	74	-32.71	-	-	0-360	250	H
4	* 11.142	23.43	PK	38.2	-19.5	0	42.13	-	-	74	-31.87	-	-	0-360	150	H
5	17.099	26.94	PK	41.3	-18.7	0	49.54	-	-	-	-	68.2	-18.66	0-360	250	H
2	* 7.599	26.79	PK	36.1	-24	0	38.89	-	-	74	-35.11	-	-	0-360	150	V
3	* 11.143	24.09	PK	38.2	-19.6	0	42.69	-	-	74	-31.31	-	-	0-360	250	V
6	17.099	27.32	PK	41.3	-18.7	0	49.92	-	-	-	-	68.2	-18.28	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

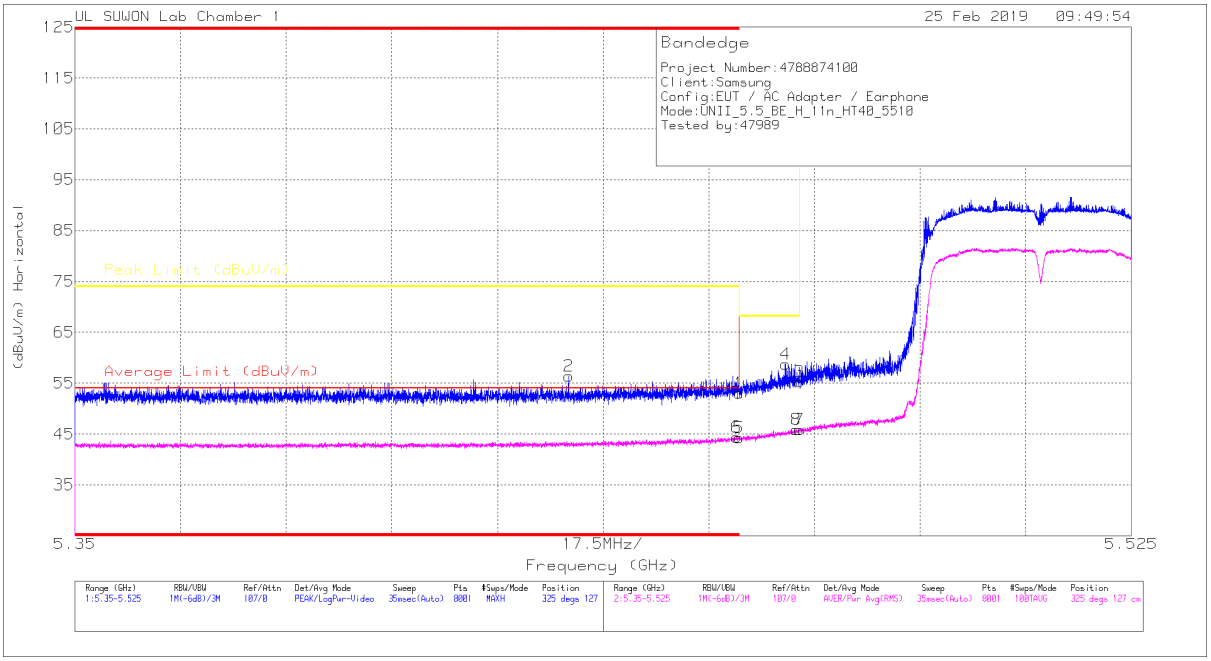
Radiated Emissions

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
* 7.6	37.42	PK-U	36.1	-24	0	49.52	-	-	74	-24.48	-	-	207	143	H
* 7.6	27.64	ADR	36.1	-24	.13	39.87	54	-14.13	-	-	-	-	207	143	H
* 7.6	36.82	PK-U	36.1	-24	0	48.92	-	-	74	-25.08	-	-	176	221	V
* 7.6	25.55	ADR	36.1	-24	.13	37.78	54	-16.22	-	-	-	-	176	221	V
17.107	38.53	PK-U	41.3	-18.6	0	61.23	-	-	-	-	68.2	-6.97	163	155	V
17.103	39.57	PK-U	41.3	-18.7	0	62.17	-	-	-	-	68.2	-6.03	141	119	H

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

11.3.3.TX ABOVE 1GHz 802.11n HT40 MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

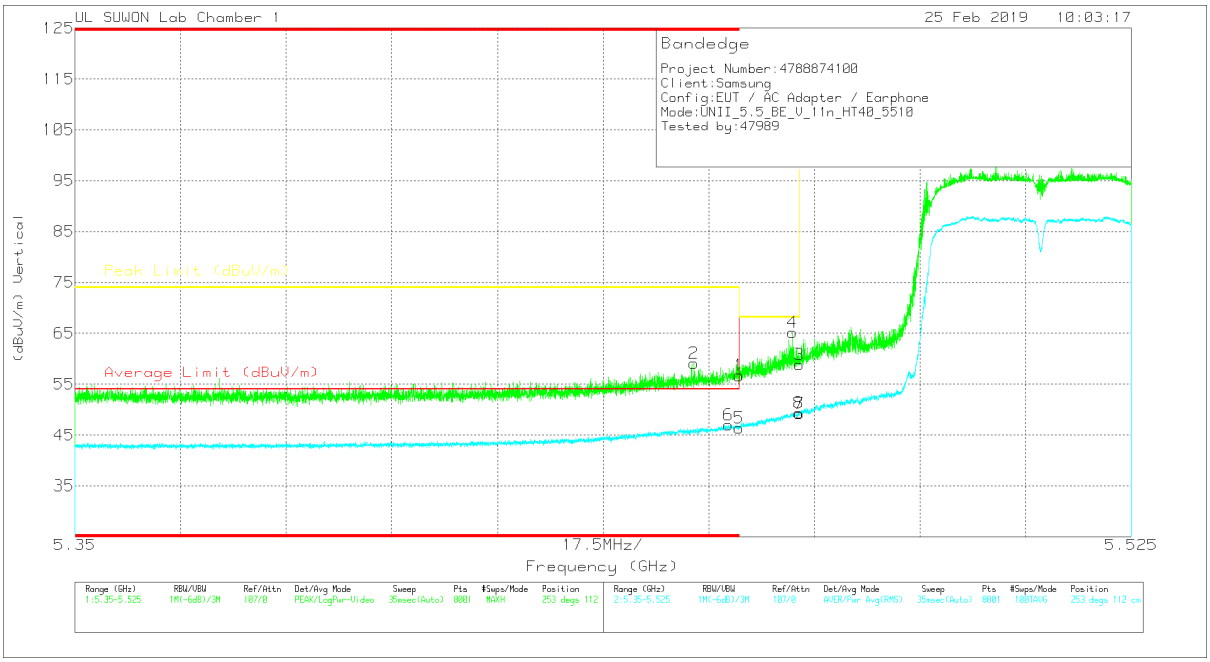


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.46	39.76	Pk	34.7	-21.4	0	53.06	-	-	74	-20.94	325	127	H
2	* 5.432	43.19	Pk	34.7	-21.5	0	56.39	-	-	74	-17.61	325	127	H
3	5.47	42	Pk	34.7	-21.4	0	55.3	-	-	68.2	-12.9	325	127	H
4	5.468	45.47	Pk	34.7	-21.4	0	58.77	-	-	68.2	-9.43	325	127	H
5	* 5.46	30.66	RMS	34.7	-21.5	.36	44.22	54	-9.78	-	-	325	127	H
6	* 5.46	30.87	RMS	34.7	-21.5	.36	44.43	54	-9.57	-	-	325	127	H
7	5.47	32.36	RMS	34.7	-21.5	.36	45.92	-	-	-	-	325	127	H
8	5.47	32.4	RMS	34.7	-21.6	.36	45.86	-	-	-	-	325	127	H

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

VERTICAL PEAK AND AVERAGE PLOT



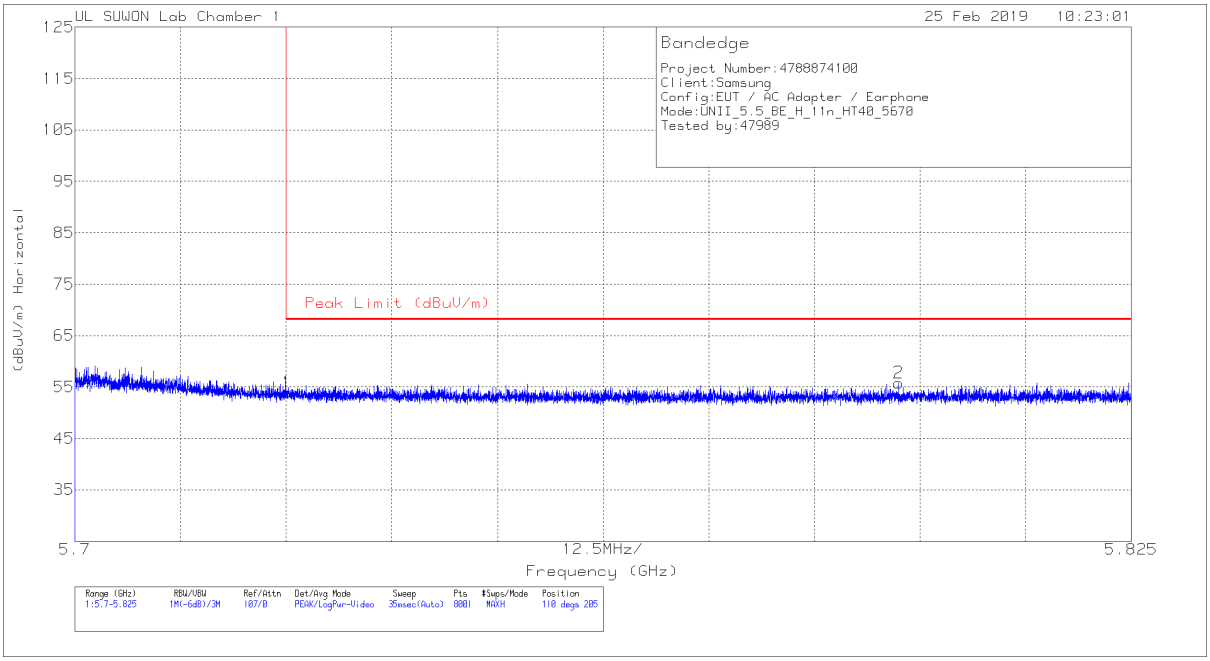
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.46	43.4	Pk	34.7	-21.4	0	56.7	-	-	74	-17.3	253	112	V
2	* 5.453	45.81	Pk	34.7	-21.4	0	59.11	-	-	74	-14.89	253	112	V
3	5.47	45.56	Pk	34.7	-21.4	0	58.86	-	-	68.2	-9.34	253	112	V
4	5.469	51.85	Pk	34.7	-21.4	0	65.15	-	-	68.2	-3.05	253	112	V
5	* 5.46	32.8	RMS	34.7	-21.5	.36	46.36	54	-7.64	-	-	253	112	V
6	* 5.458	33.52	RMS	34.7	-21.6	.36	46.98	54	-7.02	-	-	253	112	V
7	5.47	35.62	RMS	34.7	-21.5	.36	49.18	-	-	-	-	253	112	V
8	5.47	35.77	RMS	34.7	-21.5	.36	49.33	-	-	-	-	253	112	V

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

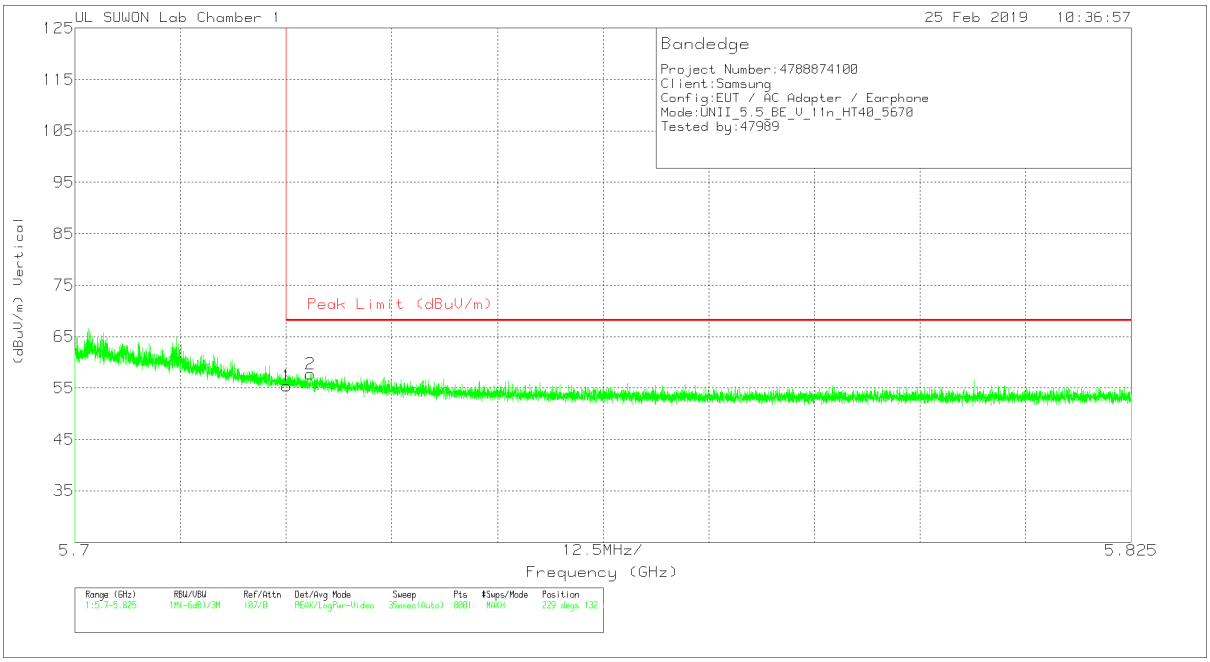


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.29	Pk	34.8	-21.1	0	53.99	68.2	-14.21	110	205	H
2	5.797	42.04	Pk	34.9	-21.1	0	55.84	68.2	-12.36	110	205	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



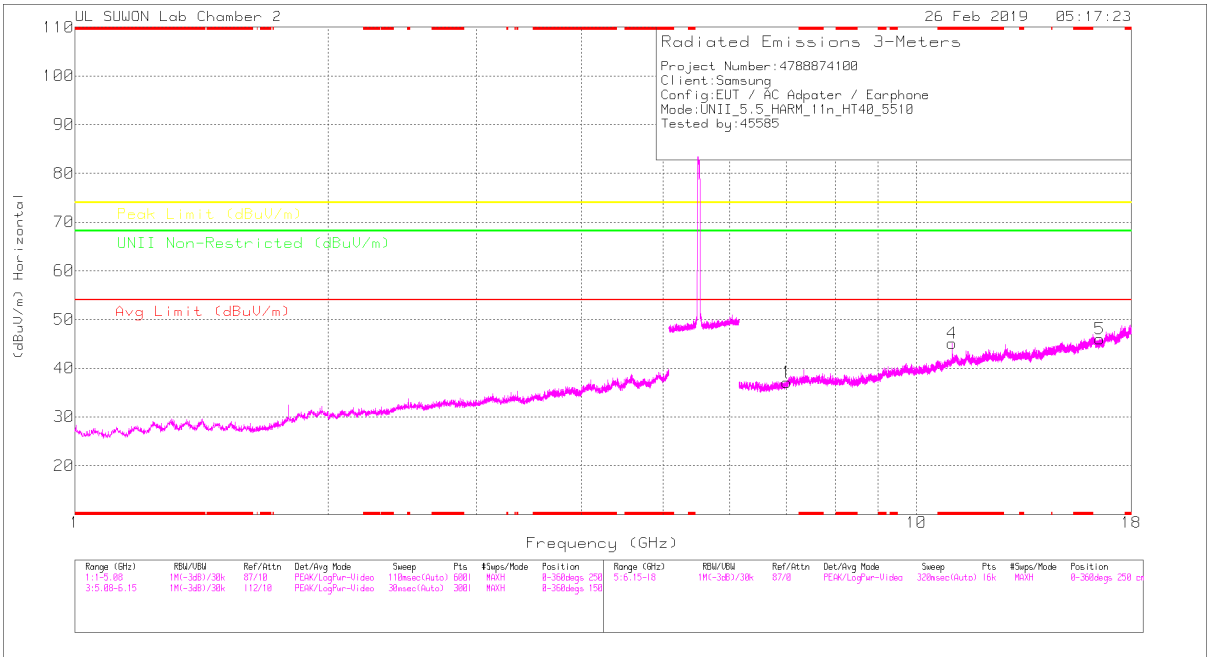
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.77	Pk	34.8	-21.1	0	55.47	68.2	-12.73	229	132	V
2	5.728	44.09	Pk	34.8	-21.1	0	57.79	68.2	-10.41	229	132	V

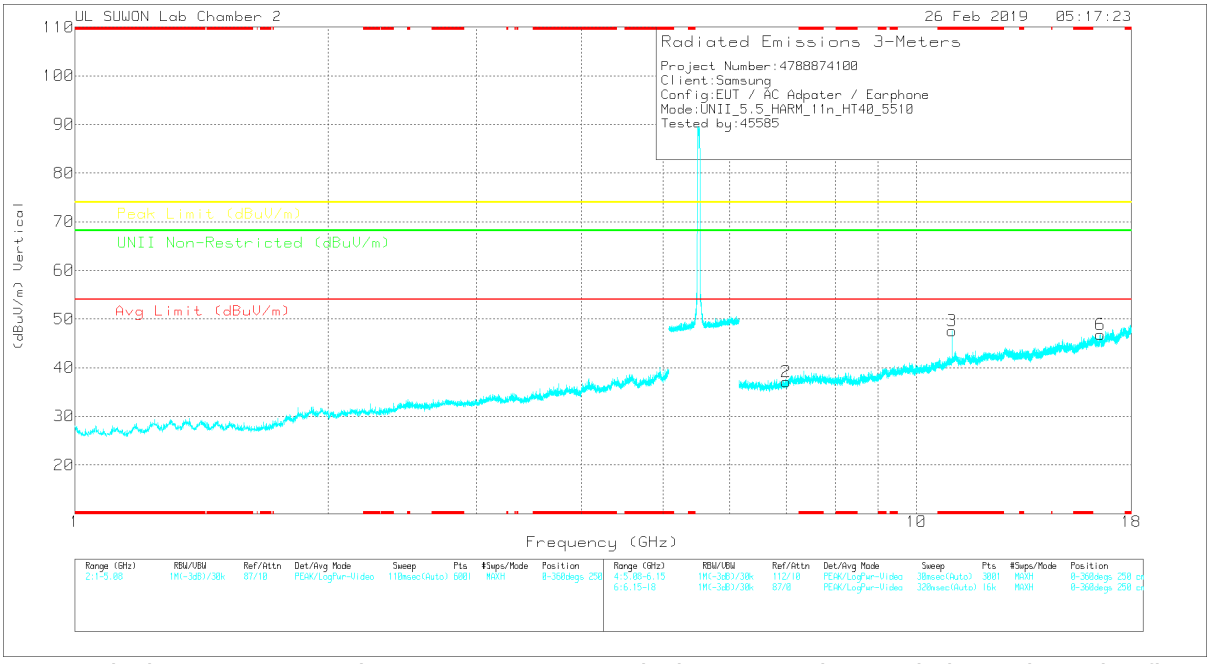
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	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
1	7.011	26.89	PK	35.8	-25.6	0	37.09	-	-	-	-	68.2	-31.11	0-360	150	H
4	* 11.02	27.59	PK	38.1	-20.6	0	45.09	-	-	74	-28.91	-	-	0-360	250	H
5	16.525	25.32	PK	40.5	-19.8	0	46.02	-	-	-	-	68.2	-22.18	0-360	250	H
2	7.002	26.85	PK	35.8	-25.6	0	37.05	-	-	-	-	68.2	-31.15	0-360	250	V
3	* 11.02	30.05	PK	38.1	-20.6	0	47.55	-	-	74	-26.45	-	-	0-360	250	V
6	16.53	26.14	PK	40.5	-19.8	0	46.84	-	-	-	-	68.2	-21.36	0-360	150	V

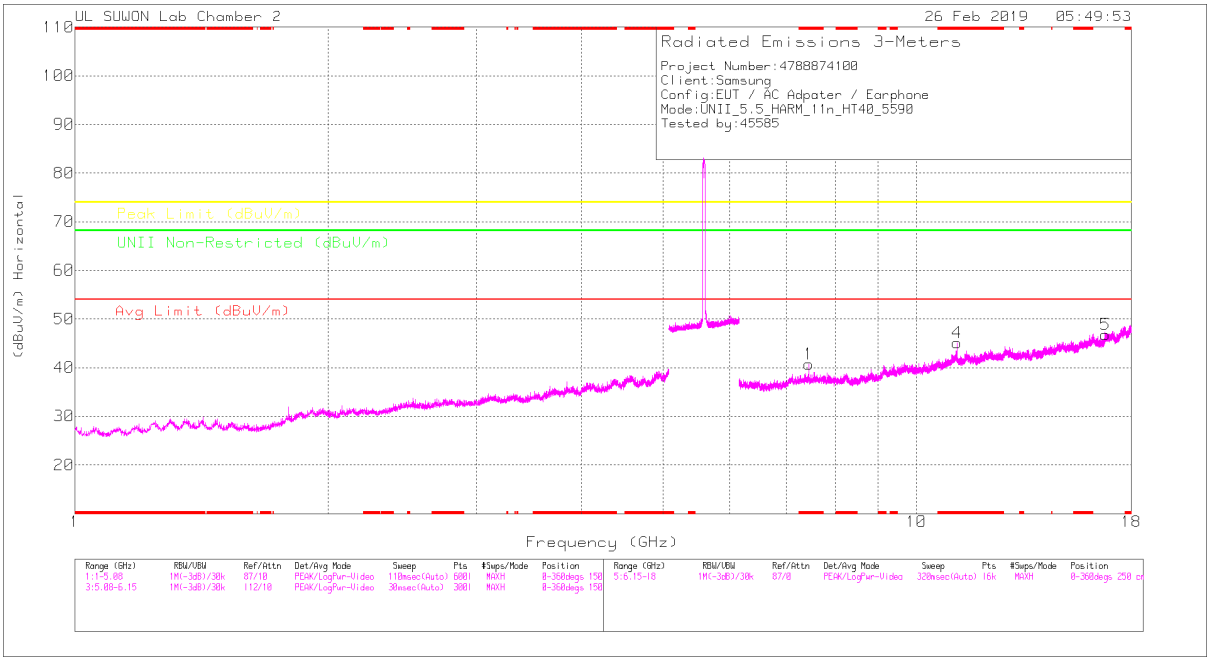
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

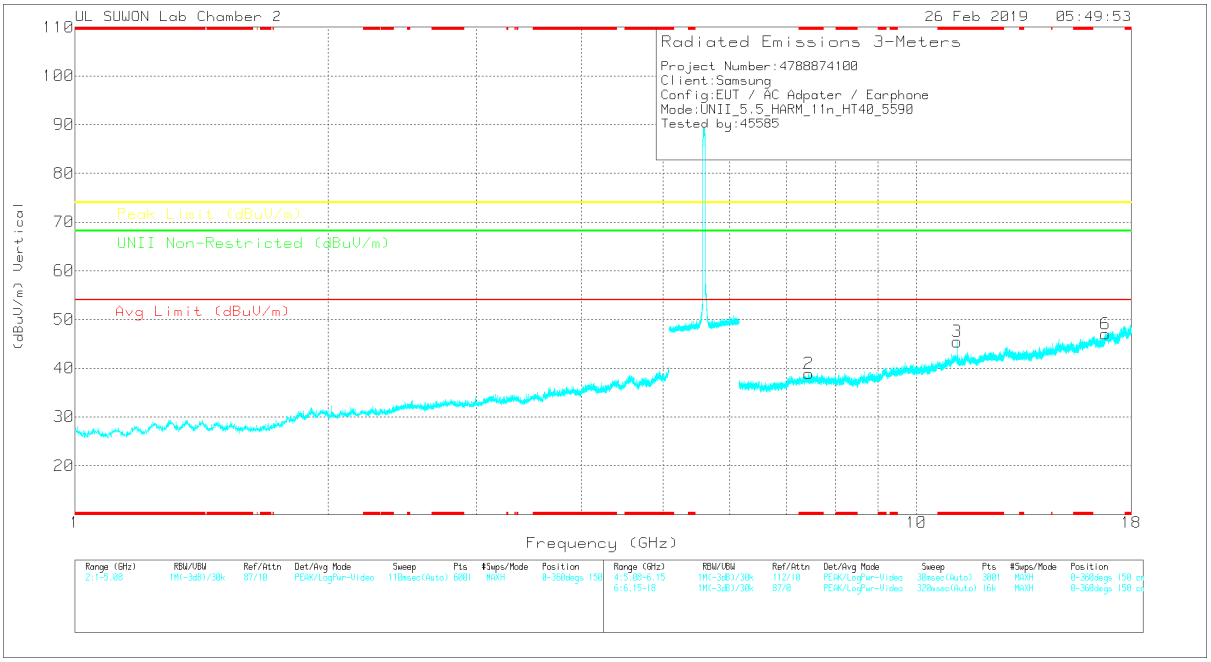
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.02	37.01	PK-U	38.1	-20.6	0	54.51	-	-	74	-19.49	-	-	149	106	H
* 11.02	29.1	ADR	38.1	-20.6	.36	46.96	54	-7.04	-	-	-	-	149	106	H
* 11.02	37.07	PK-U	38.1	-20.6	0	54.57	-	-	74	-19.43	-	-	190	104	V
* 11.02	29.13	ADR	38.1	-20.6	.36	46.99	54	-7.01	-	-	-	-	190	104	V

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	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
1	* 7.453	28.96	PK	36.2	-24.4	0	40.76	-	-	74	-33.24	-	-	0-360	250	H
4	* 11.18	26.57	PK	38.2	-19.6	0	45.17	-	-	74	-28.83	-	-	0-360	250	H
5	16.769	24.63	PK	41	-18.8	0	46.83	-	-	-	-	68.2	-21.37	0-360	250	H
2	* 7.451	27.12	PK	36.2	-24.4	0	38.92	-	-	74	-35.08	-	-	0-360	150	V
3	* 11.18	26.84	PK	38.2	-19.6	0	45.44	-	-	74	-28.56	-	-	0-360	150	V
6	16.769	24.84	PK	41	-18.8	0	47.04	-	-	-	-	68.2	-21.16	0-360	150	V

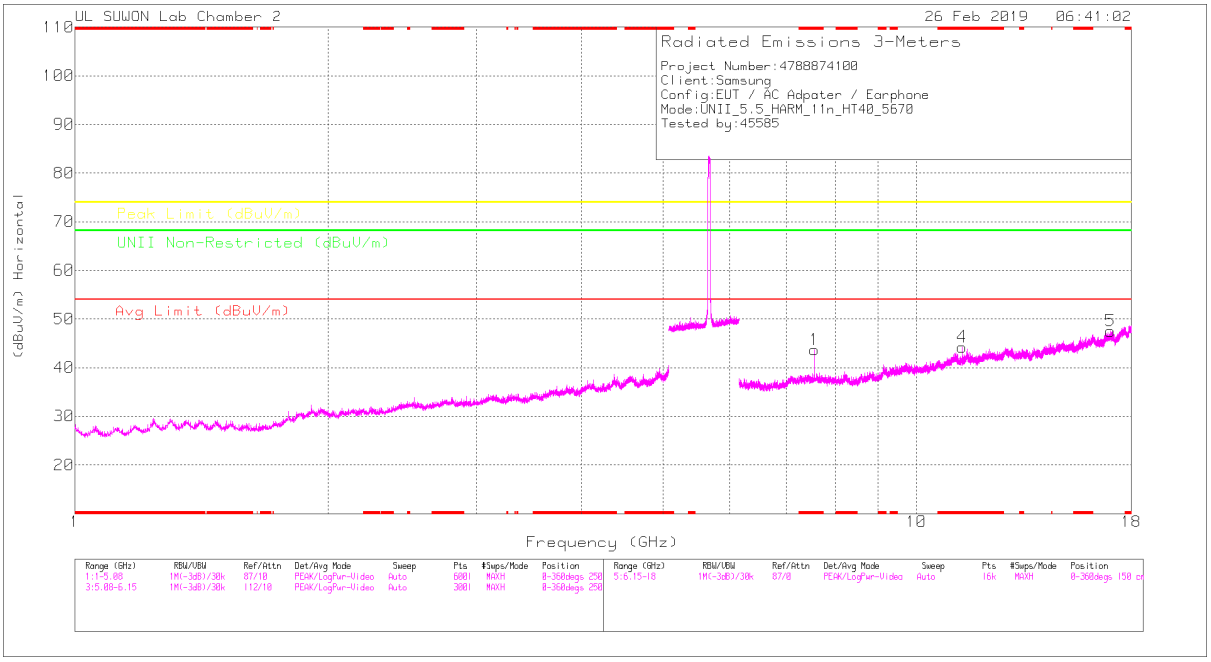
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

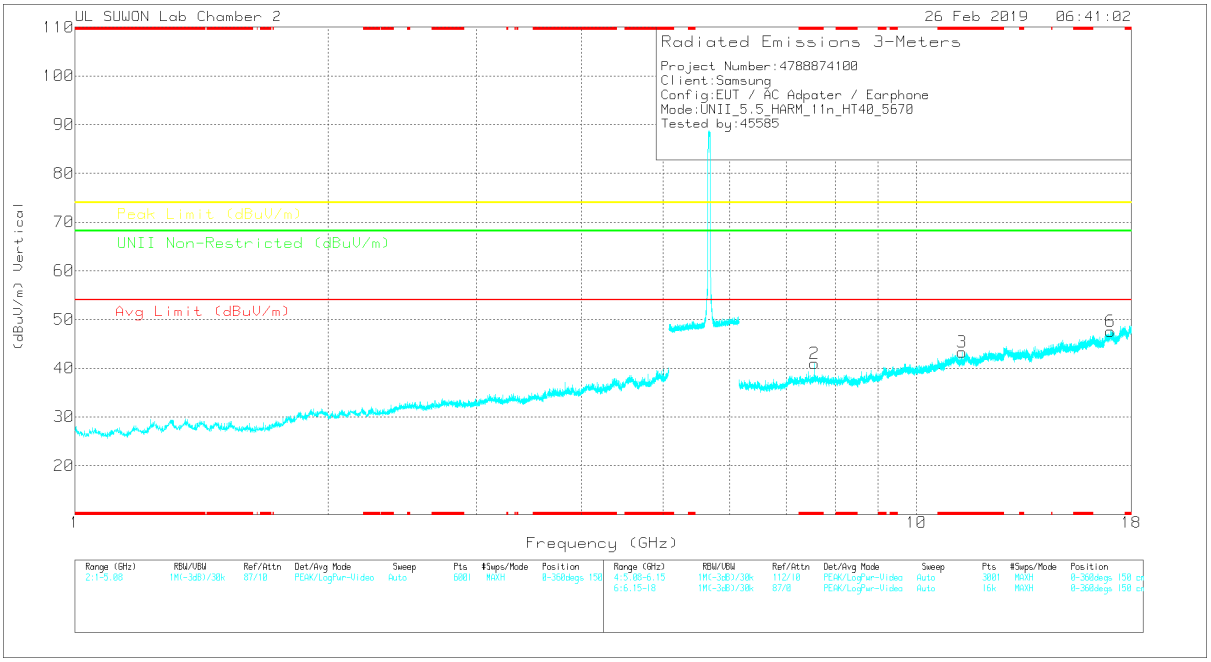
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.453	38.26	PK-U	36.2	-24.5	0	49.96	-	-	74	-24.04	-	-	229	151	H
* 7.453	27.88	ADR	36.2	-24.5	.36	39.94	54	-14.06	-	-	-	-	229	151	H
* 7.454	37.86	PK-U	36.2	-24.5	0	49.56	-	-	74	-24.44	-	-	228	160	V
* 7.453	27.22	ADR	36.2	-24.5	.36	39.28	54	-14.72	-	-	-	-	228	160	V
* 11.18	35.35	PK-U	38.2	-19.6	0	53.95	-	-	74	-20.05	-	-	162	108	V
* 11.18	26.76	ADR	38.2	-19.6	.36	45.72	54	-8.28	-	-	-	-	162	108	V
* 11.179	35.25	PK-U	38.2	-19.7	0	53.75	-	-	74	-20.25	-	-	130	100	H
* 11.18	25.34	ADR	38.2	-19.7	.36	44.2	54	-9.8	-	-	-	-	130	100	H

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	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
1	* 7.559	31.78	PK	36.1	-24.2	0	43.68	-	-	74	-30.32	-	-	0-360	250	H
4	* 11.34	26.27	PK	38.3	-20.3	0	44.27	-	-	74	-29.73	-	-	0-360	250	H
5	17.004	24.81	PK	41.3	-18.6	0	47.51	-	-	-	-	68.2	-20.69	0-360	150	H
2	* 7.56	29.11	PK	36.1	-24.2	0	41.01	-	-	74	-32.99	-	-	0-360	150	V
3	* 11.34	25.25	PK	38.3	-20.3	0	43.25	-	-	74	-30.75	-	-	0-360	250	V
6	17.01	24.88	PK	41.3	-18.6	0	47.58	-	-	-	-	68.2	-20.62	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

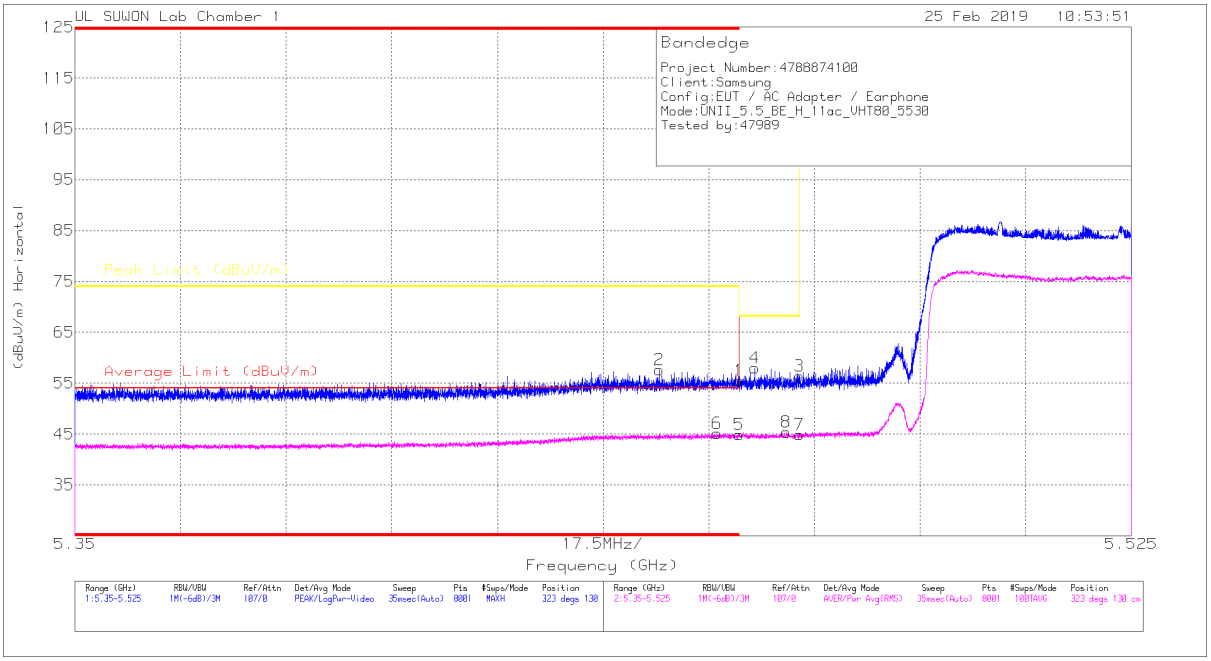
Radiated Emissions

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
* 7.56	39.09	PK-U	36.1	-24.2	0	50.99	-	-	74	-23.01	-	-	204	143	H
* 7.56	30.13	ADR	36.1	-24.2	.36	42.39	54	-11.61	-	-	-	-	204	143	H
* 7.56	38.53	PK-U	36.1	-24.2	0	50.43	-	-	74	-23.57	-	-	225	155	V
* 7.56	29.04	ADR	36.1	-24.2	.36	41.3	54	-12.7	-	-	-	-	225	155	V
* 11.34	35.9	PK-U	38.3	-20.3	0	53.9	-	-	74	-20.1	-	-	139	100	V
* 11.34	26.18	ADR	38.3	-20.3	.36	44.54	54	-9.46	-	-	-	-	139	100	V
* 11.34	35.82	PK-U	38.3	-20.3	0	53.82	-	-	74	-20.18	-	-	248	252	H
* 11.34	25.85	ADR	38.3	-20.3	.36	44.21	54	-9.79	-	-	-	-	248	252	H

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

11.3.4.TX ABOVE 1GHz 802.11ac VHT80 MODE IN THE 5.5GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

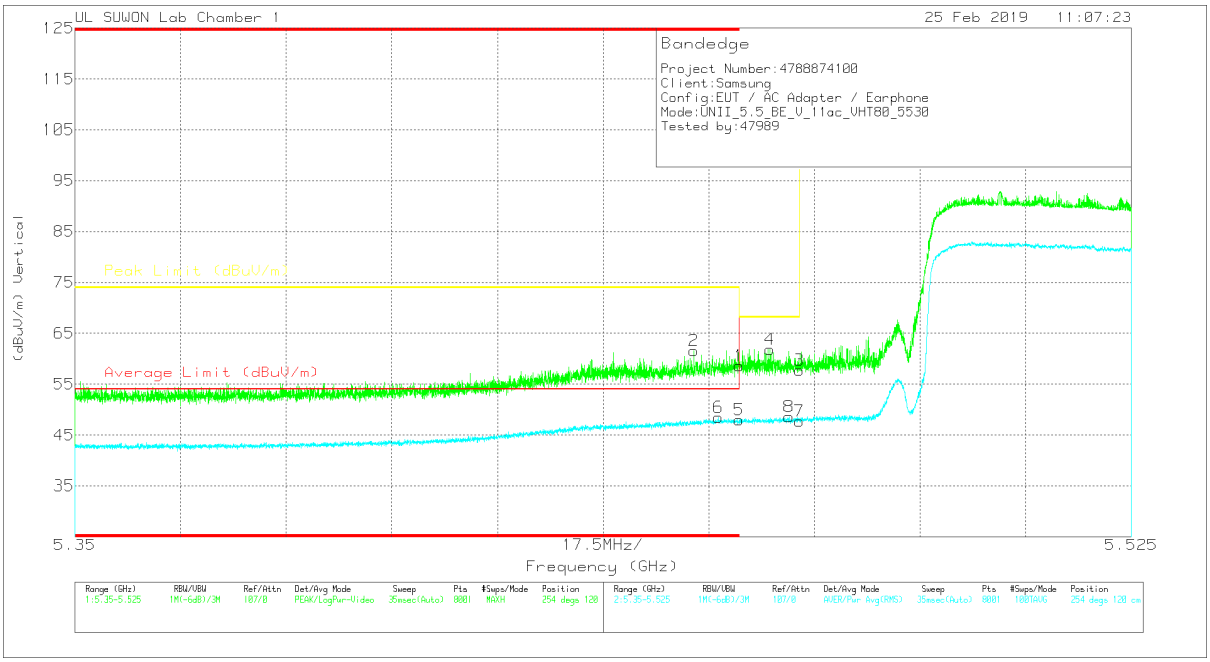


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.46	42.22	Pk	34.7	-21.4	0	55.52	-	-	74	-18.48	323	130	H
2	* 5.447	44.37	Pk	34.7	-21.5	0	57.57	-	-	74	-16.43	323	130	H
3	5.47	43.06	Pk	34.7	-21.4	0	56.36	-	-	68.2	-11.84	323	130	H
4	5.463	44.73	Pk	34.7	-21.4	0	58.03	-	-	68.2	-10.17	323	130	H
5	* 5.46	31.4	RMS	34.7	-21.5	.24	44.84	54	-9.16	-	-	323	130	H
6	* 5.456	31.79	RMS	34.7	-21.6	.24	45.13	54	-8.87	-	-	323	130	H
7	5.47	31.47	RMS	34.7	-21.5	.24	44.91	-	-	-	-	323	130	H
8	5.468	31.98	RMS	34.7	-21.6	.24	45.32	-	-	-	-	323	130	H

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

VERTICAL PEAK AND AVERAGE PLOT



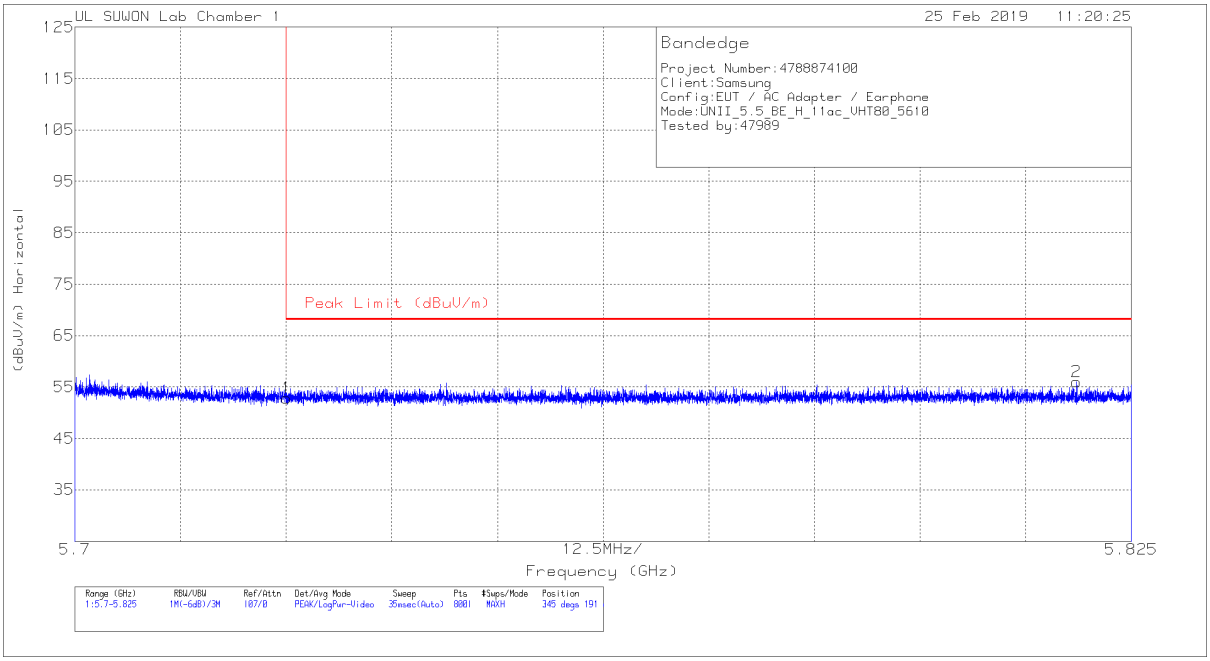
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[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	* 5.46	45.34	Pk	34.7	-21.4	0	58.64	-	-	74	-15.36	254	120	V
2	* 5.453	48.33	Pk	34.7	-21.4	0	61.63	-	-	74	-12.37	254	120	V
3	5.47	44.46	Pk	34.7	-21.4	0	57.76	-	-	68.2	-10.44	254	120	V
4	5.465	48.56	Pk	34.7	-21.4	0	61.86	-	-	68.2	-6.34	254	120	V
5	* 5.46	34.48	RMS	34.7	-21.5	.24	47.92	54	-6.08	-	-	254	120	V
6	* 5.457	35.12	RMS	34.7	-21.6	.24	48.46	54	-5.54	-	-	254	120	V
7	5.47	34.3	RMS	34.7	-21.5	.24	47.74	-	-	-	-	254	120	V
8	5.468	35.21	RMS	34.7	-21.6	.24	48.55	-	-	-	-	254	120	V

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

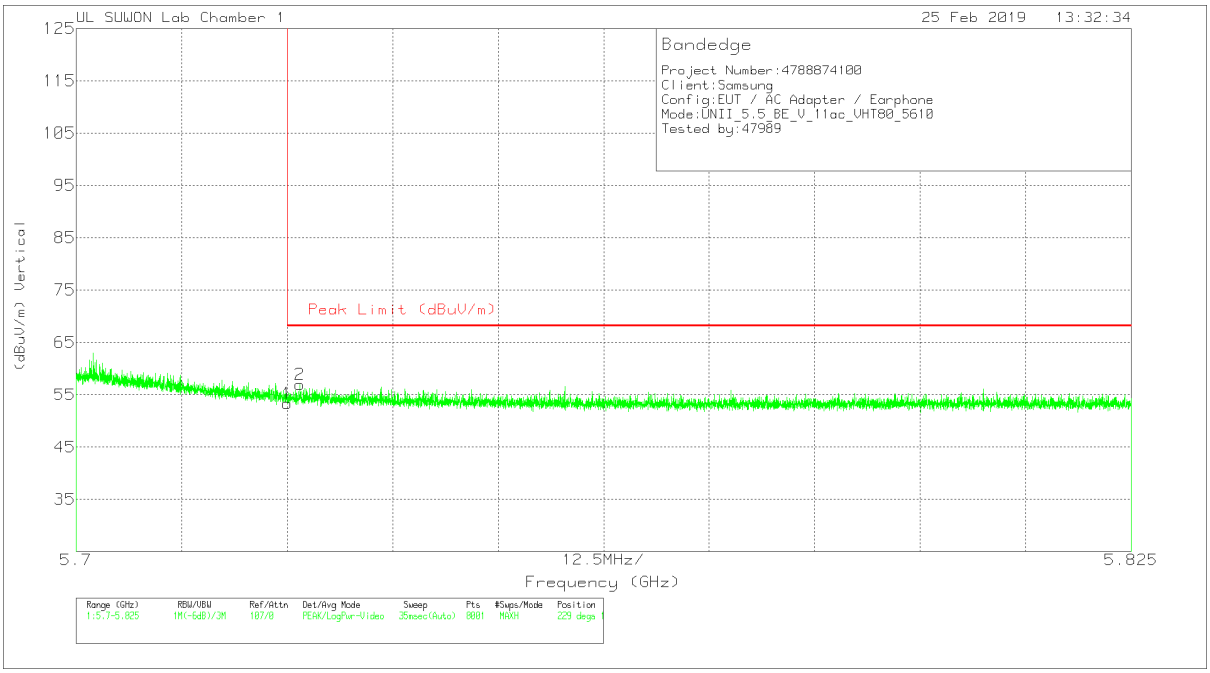


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.2	Pk	34.8	-21.1	0	52.9	68.2	-15.3	345	191	H
2	5.819	42.09	Pk	34.9	-21	0	55.99	68.2	-12.21	345	191	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



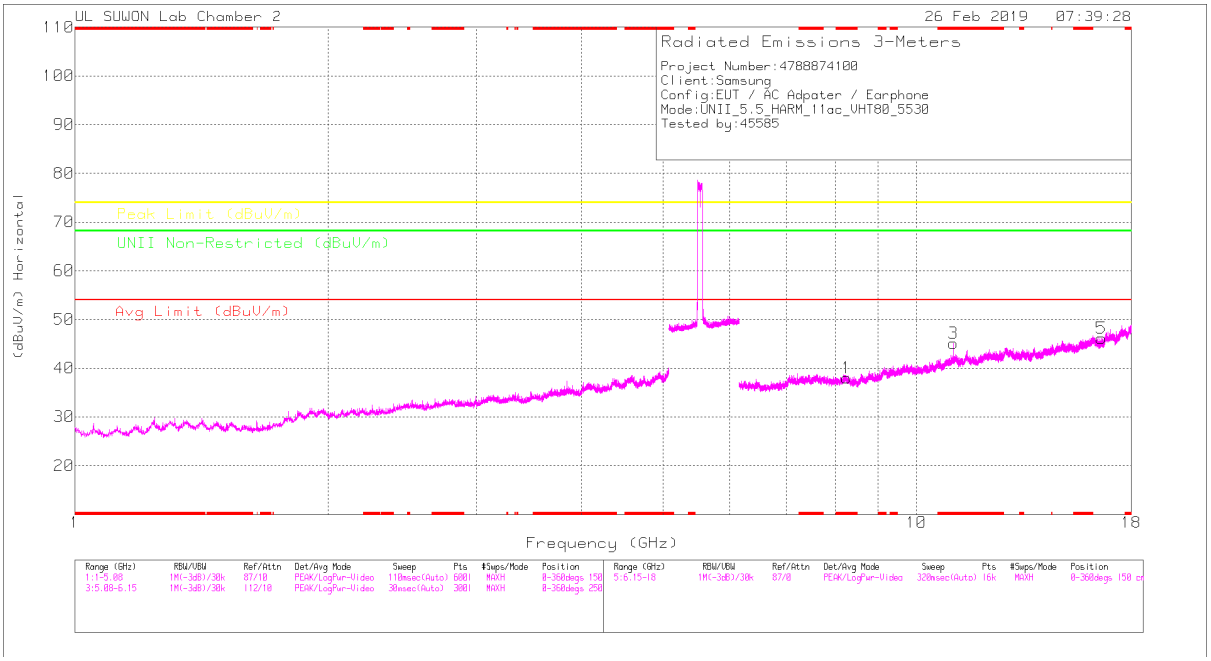
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.64	Pk	34.8	-21.1	0	53.34	68.2	-14.86	229	133	V
2	5.727	43.22	Pk	34.8	-21.1	0	56.92	68.2	-11.28	229	133	V

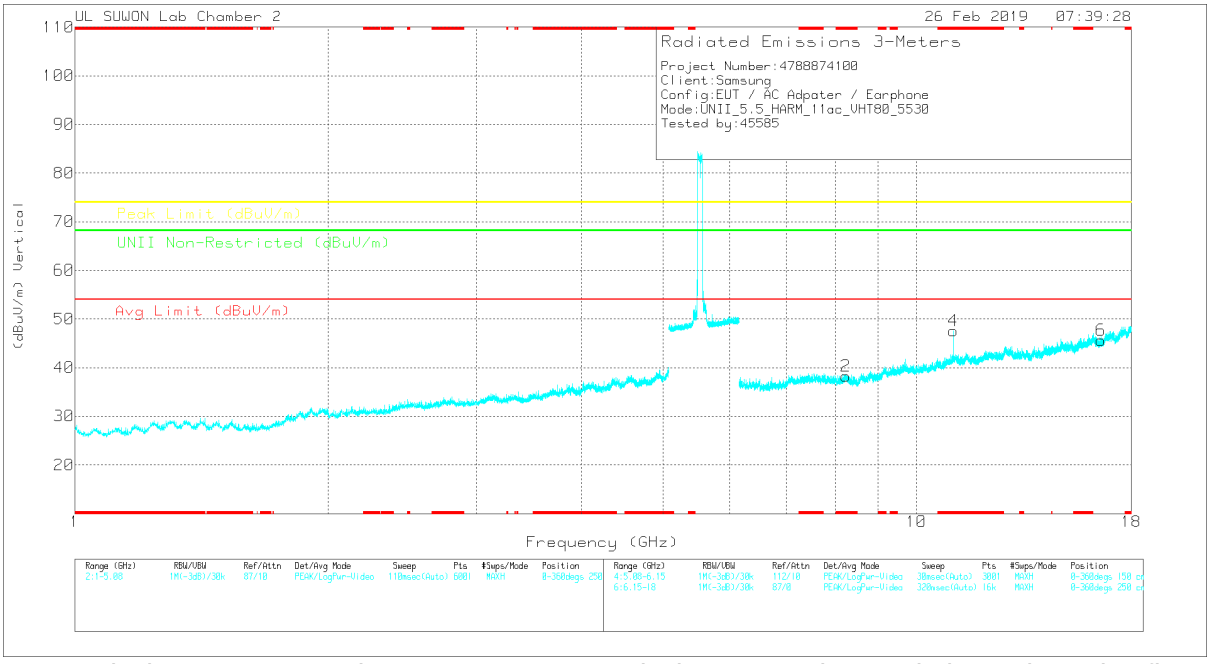
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	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
1	* 8.252	25.05	PK	36	-23	0	38.05	-	-	74	-35.95	-	-	0-360	150	H
3	* 11.06	27.47	PK	38.2	-20.5	0	45.17	-	-	74	-28.83	-	-	0-360	250	H
5	16.584	25.36	PK	40.6	-19.8	0	46.16	-	-	-	-	68.2	-22.04	0-360	150	H
2	* 8.25	25.35	PK	36	-23.1	0	38.25	-	-	74	-35.75	-	-	0-360	150	V
4	* 11.06	29.9	PK	38.2	-20.5	0	47.6	-	-	74	-26.4	-	-	0-360	250	V
6	16.582	24.84	PK	40.6	-19.8	0	45.64	-	-	-	-	68.2	-22.56	0-360	150	V

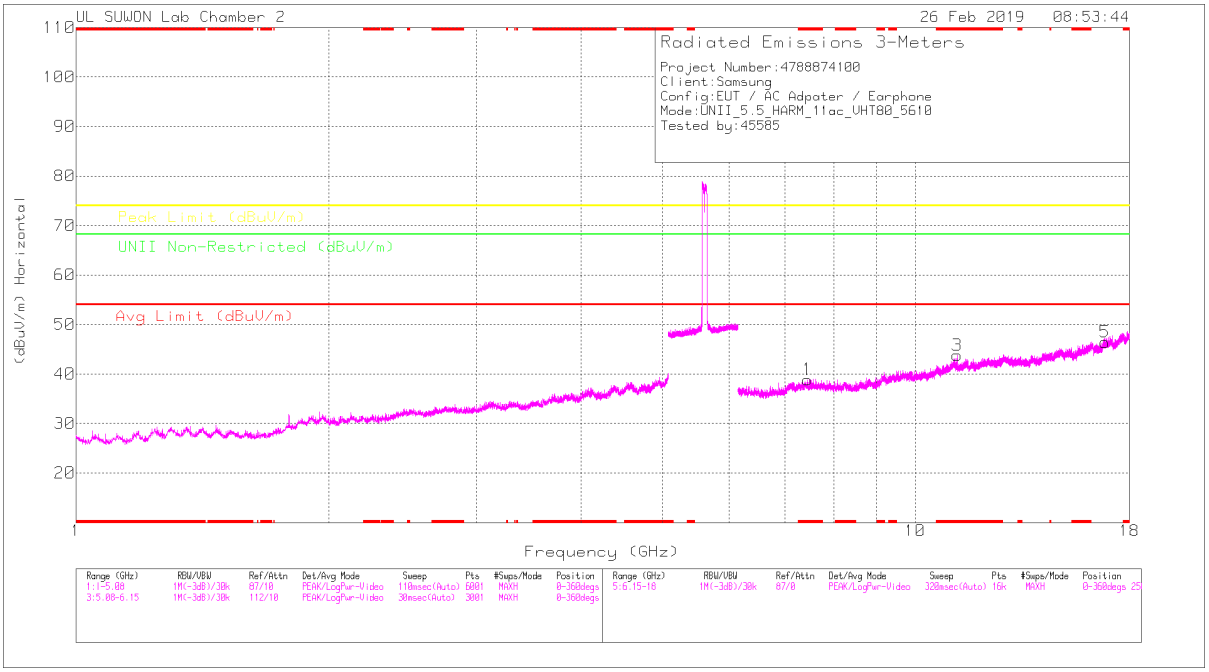
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK - Peak Detector

Radiated Emissions

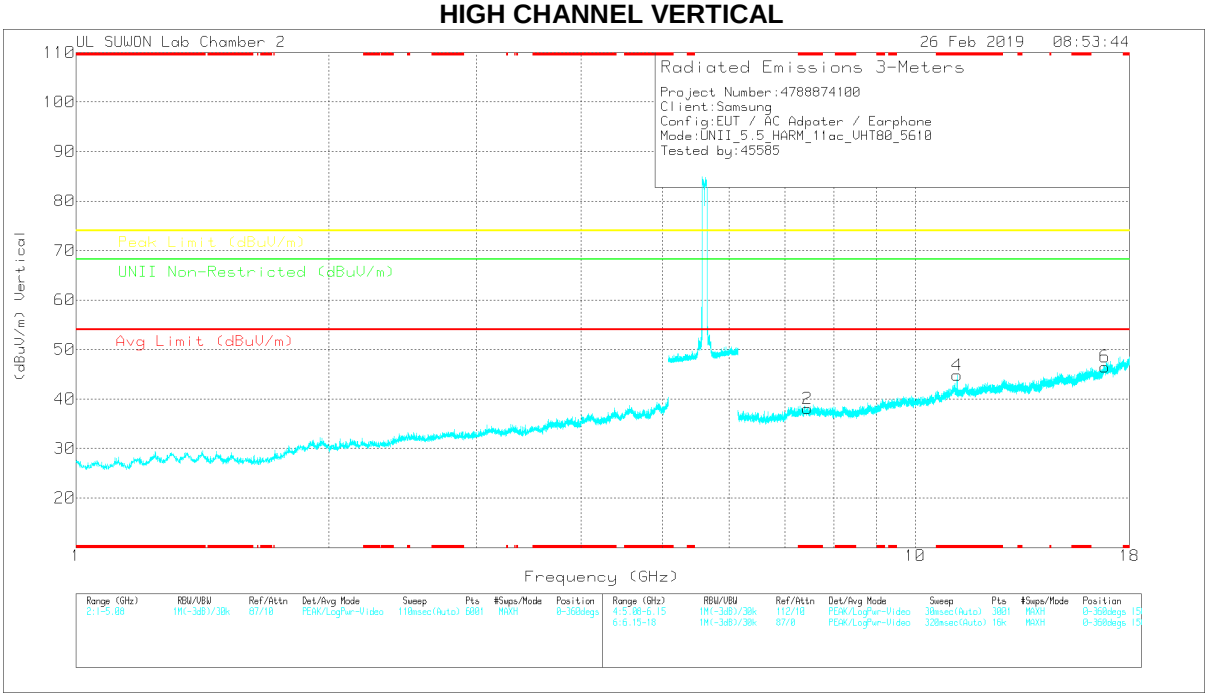
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.06	36.45	PK-U	38.2	-20.5	0	54.15	-	-	74	-19.85	-	-	145	108	H
* 11.06	28.69	ADR	38.2	-20.5	.24	46.63	54	-7.37	-	-	-	-	145	108	H
* 11.06	36.03	PK-U	38.2	-20.5	0	53.73	-	-	74	-20.27	-	-	171	156	V
* 11.06	28.58	ADR	38.2	-20.5	.24	46.52	54	-7.48	-	-	-	-	171	156	V

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	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
1	* 7.439	26.97	PK	36.2	-24.3	0	38.87	-	-	74	-35.13	-	-	0-360	250	H
3	* 11.22	25.68	PK	38.3	-20.2	0	43.78	-	-	74	-30.22	-	-	0-360	150	H
5	16.823	23.81	PK	41.1	-18.5	0	46.41	-	-	-	-	68.2	-21.79	0-360	250	H
2	* 7.442	26.24	PK	36.2	-24.4	0	38.04	-	-	74	-35.96	-	-	0-360	250	V
4	* 11.22	26.69	PK	38.3	-20.2	0	44.79	-	-	74	-29.21	-	-	0-360	250	V
6	16.825	23.91	PK	41.1	-18.5	0	46.51	-	-	-	-	68.2	-21.69	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

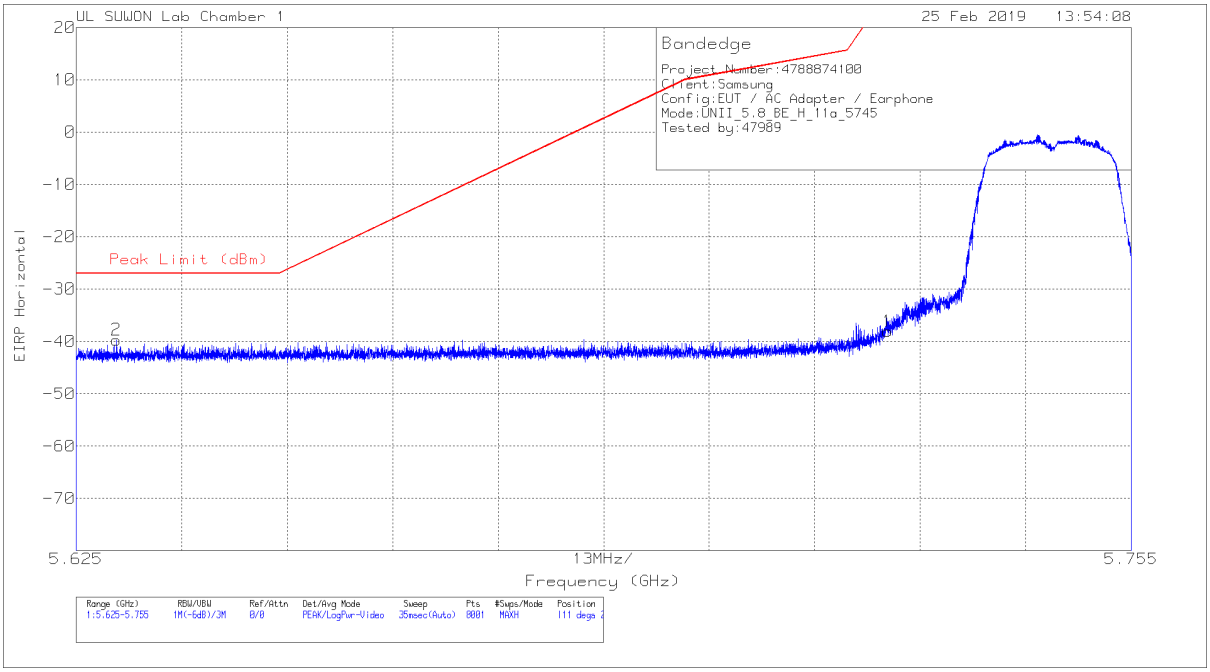
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.22	35.54	PK-U	38.3	-20.2	0	53.64	-	-	74	-20.36	-	-	145	100	H
* 11.22	27.06	ADR	38.3	-20.2	.24	45.4	54	-8.6	-	-	-	-	145	100	H
* 11.219	36.4	PK-U	38.3	-20.2	0	54.5	-	-	74	-19.5	-	-	139	103	V
* 11.22	27.93	ADR	38.3	-20.2	.24	46.27	54	-7.73	-	-	-	-	139	103	V

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

11.4. 5.8 GHz

11.4.1. TX ABOVE 1GHz 802.11a MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT

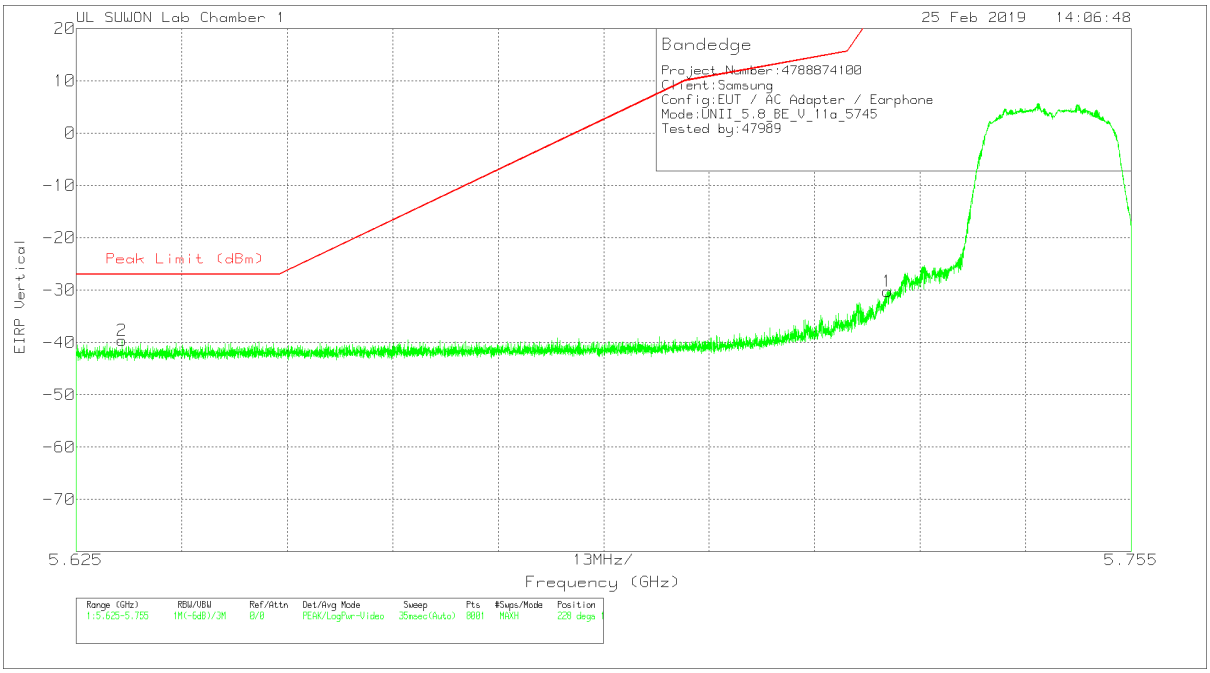


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-63.57	Pk	34.8	-21.1	11.8	0	-38.07	26.97	-65.04	111	224	H
2	5.63	-65.1	Pk	34.7	-21.1	11.8	0	-39.7	-27	-12.7	111	224	H

Pk - Peak detector

VERTICAL PEAK PLOT



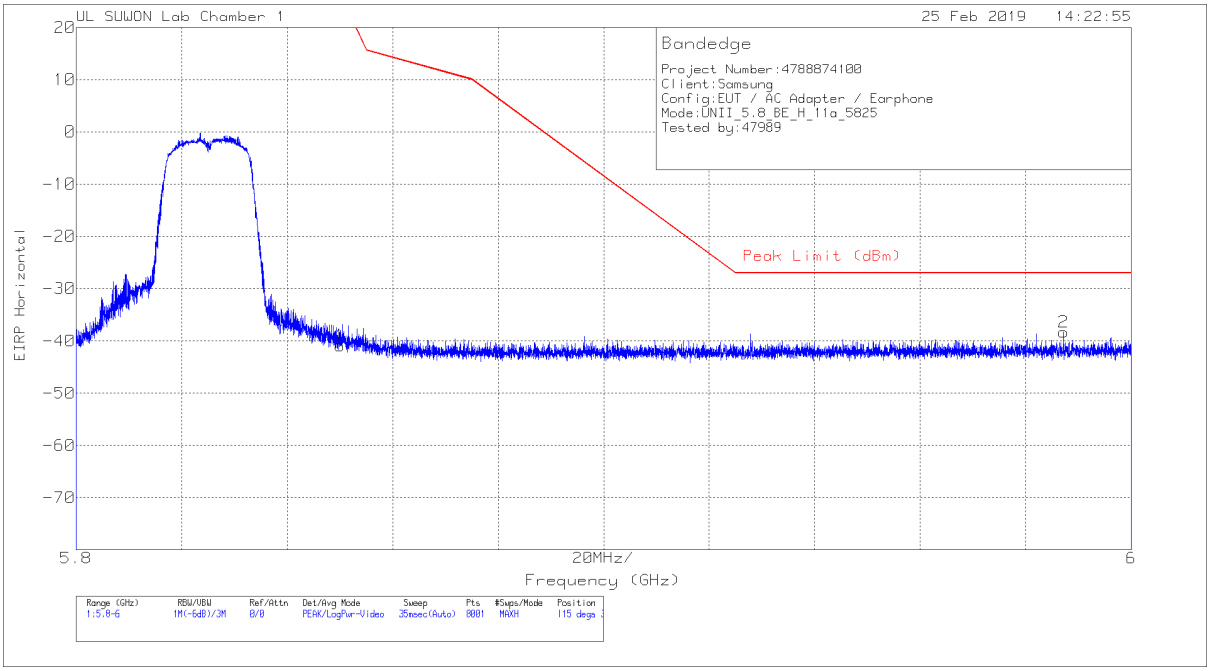
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-55.74	Pk	34.8	-21.1	11.8	0	-30.24	26.97	-57.21	228	126	V
2	5.631	-65.02	Pk	34.7	-21.1	11.8	0	-39.62	-27	-12.62	228	126	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT

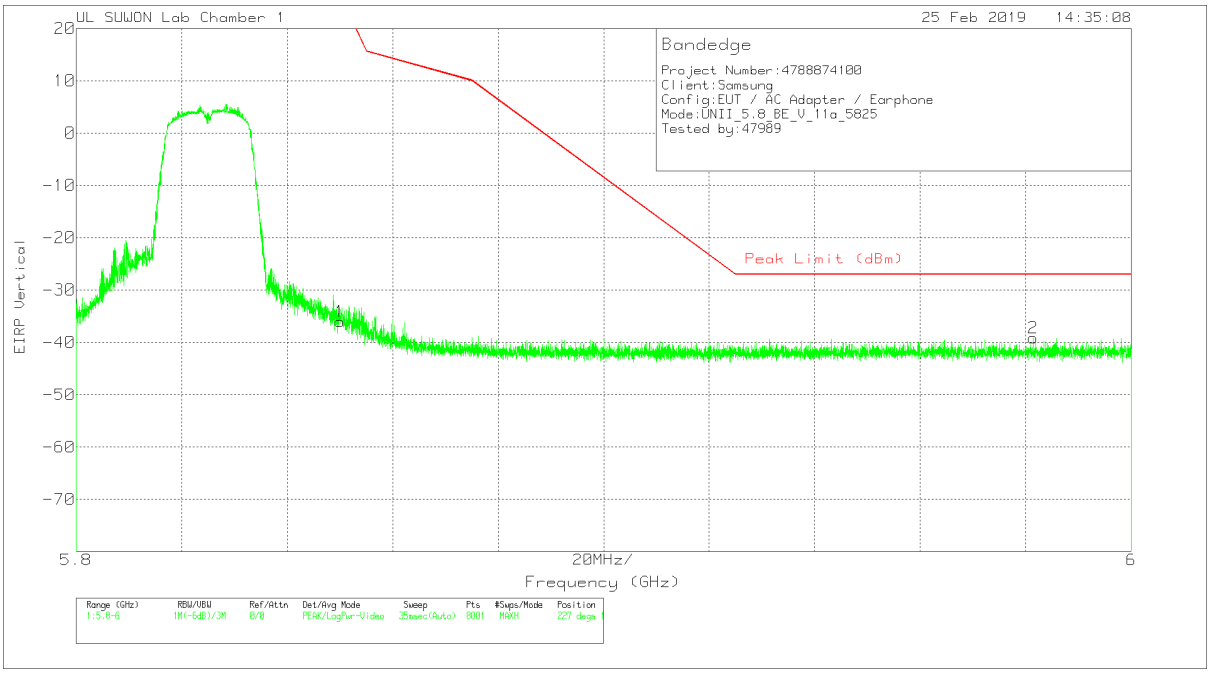


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.67	Pk	35	-21	11.8	0	-40.87	26.94	-67.81	115	301	H
2	5.987	-64.53	Pk	35.1	-20.7	11.8	0	-38.33	-27	-11.33	115	301	H

Pk - Peak detector

VERTICAL PEAK PLOT



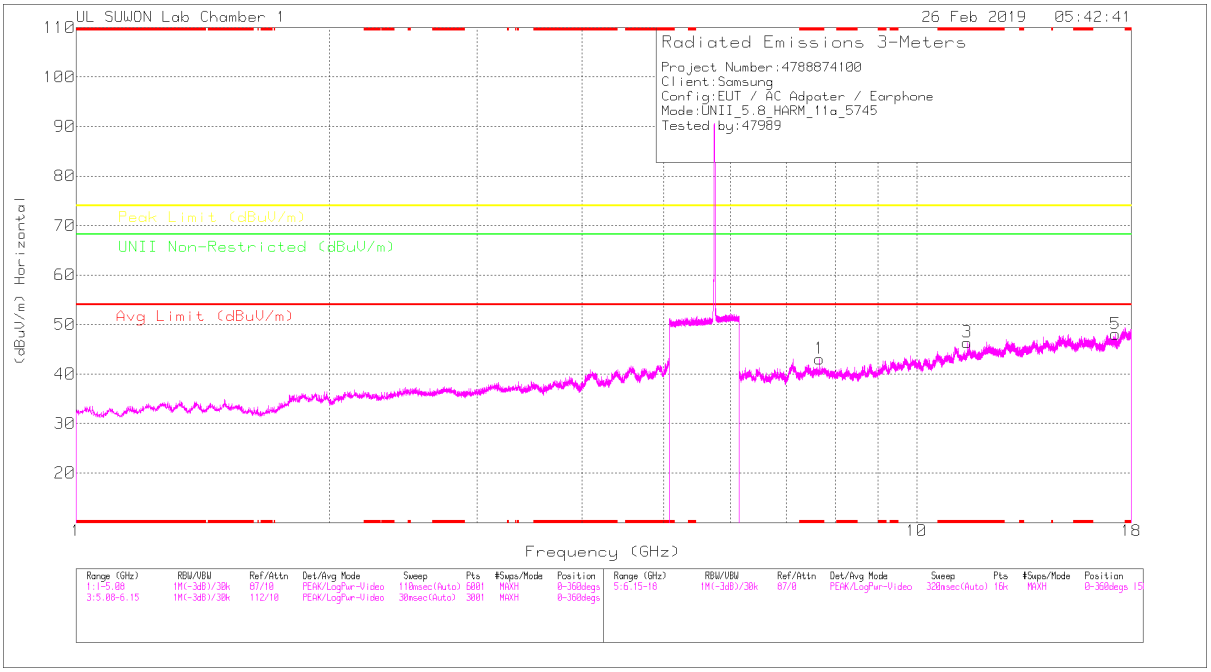
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-61.81	Pk	35	-21	11.8	0	-36.01	26.94	-62.95	227	121	V
2	5.981	-65.36	Pk	35.1	-20.7	11.8	0	-39.16	-27	-12.16	227	121	V

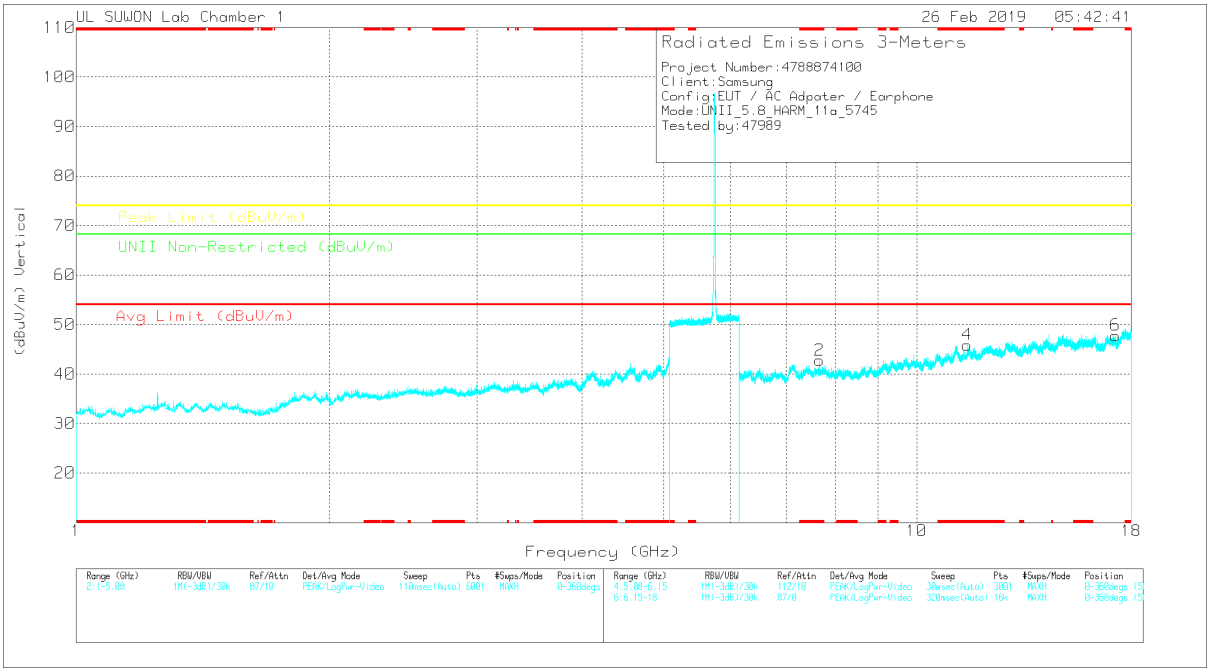
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	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
1	* 7.66	31.49	PK	36	-24.4	0	43.09	-	-	74	-30.91	-	-	0-360	250	H
3	* 11.49	28	PK	38.3	-19.9	0	46.4	-	-	74	-27.6	-	-	0-360	250	H
5	17.235	25.48	PK	41.3	-18.7	0	48.08	-	-	-	-	68.2	-20.12	0-360	150	H
2	* 7.659	31.15	PK	36	-24.4	0	42.75	-	-	74	-31.25	-	-	0-360	250	V
4	* 11.49	27.49	PK	38.3	-19.9	0	45.89	-	-	74	-28.11	-	-	0-360	250	V
6	17.234	25.2	PK	41.3	-18.7	0	47.8	-	-	-	-	68.2	-20.4	0-360	150	V

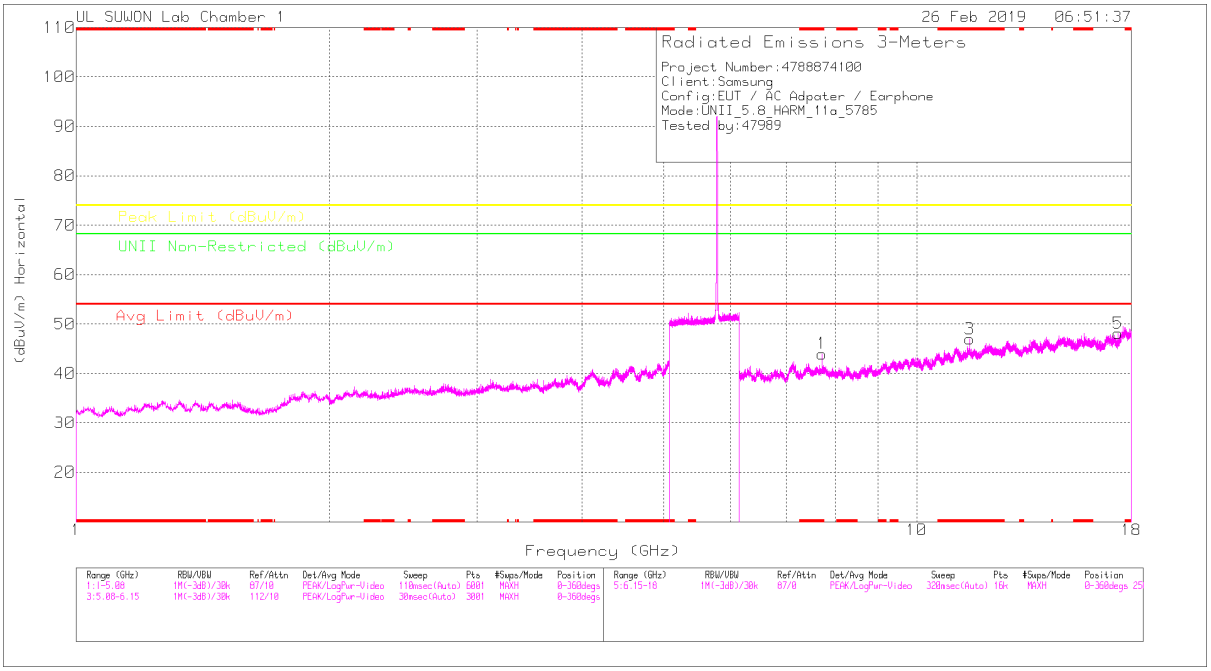
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

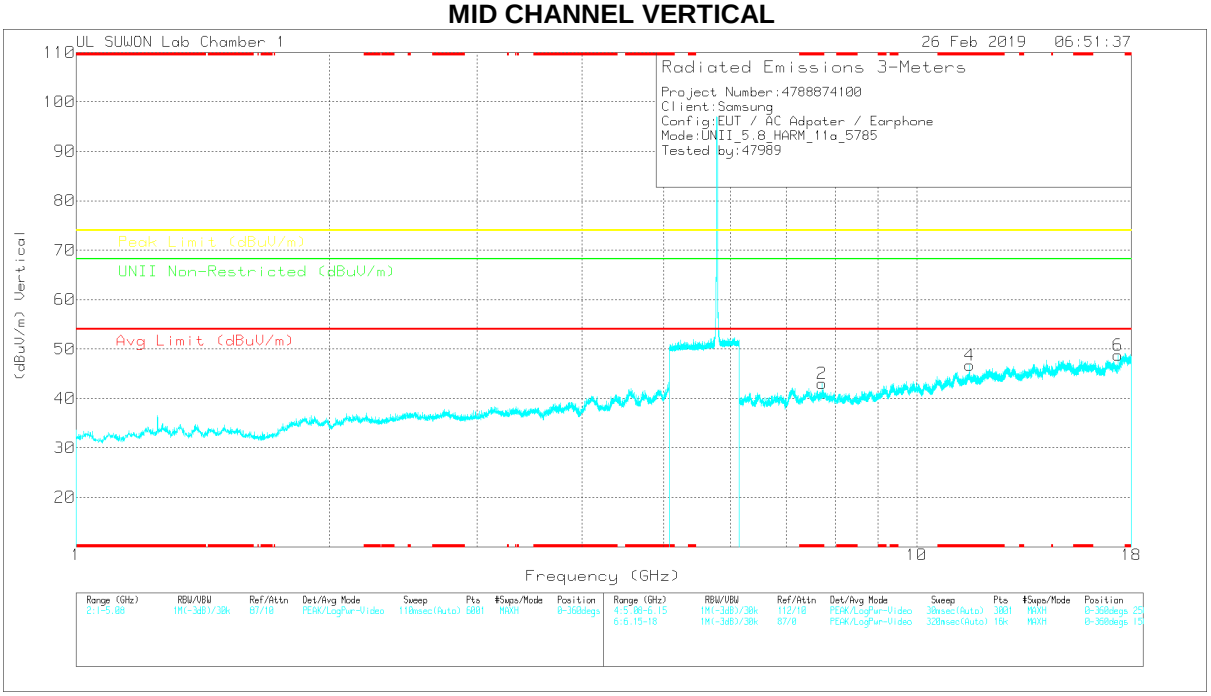
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.66	39.97	PK-U	36	-24.4	0	51.57	-	-	74	-22.43	-	-	174	234	H
* 7.66	30.59	ADR	36	-24.4	.12	42.31	54	-11.69	-	-	-	-	174	234	H
* 7.66	39.92	PK-U	36	-24.4	0	51.52	-	-	74	-22.48	-	-	198	112	V
* 7.66	29.73	ADR	36	-24.4	.12	41.45	54	-12.55	-	-	-	-	198	112	V
* 11.49	38.09	PK-U	38.3	-19.9	0	56.49	-	-	74	-17.51	-	-	142	101	H
* 11.49	27.75	ADR	38.3	-19.9	.12	46.27	54	-7.73	-	-	-	-	142	101	H
* 11.49	38.34	PK-U	38.3	-19.9	0	56.74	-	-	74	-17.26	-	-	171	103	V
* 11.49	28.75	ADR	38.3	-19.9	.12	47.27	54	-6.73	-	-	-	-	171	103	V

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	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
1	* 7.713	31.88	PK	36	-23.9	0	43.98	-	-	74	-30.02	-	-	0-360	250	H
3	* 11.57	28.69	PK	38.4	-20.1	0	46.99	-	-	74	-27.01	-	-	0-360	250	H
5	17.357	25.59	PK	41.3	-18.8	0	48.09	-	-	-	-	68.2	-20.11	0-360	250	H
2	* 7.713	30.94	PK	36	-23.9	0	43.04	-	-	74	-30.96	-	-	0-360	250	V
4	* 11.57	28.3	PK	38.4	-20	0	46.7	-	-	74	-27.3	-	-	0-360	150	V
6	17.356	26.35	PK	41.3	-18.9	0	48.75	-	-	-	-	68.2	-19.45	0-360	250	V

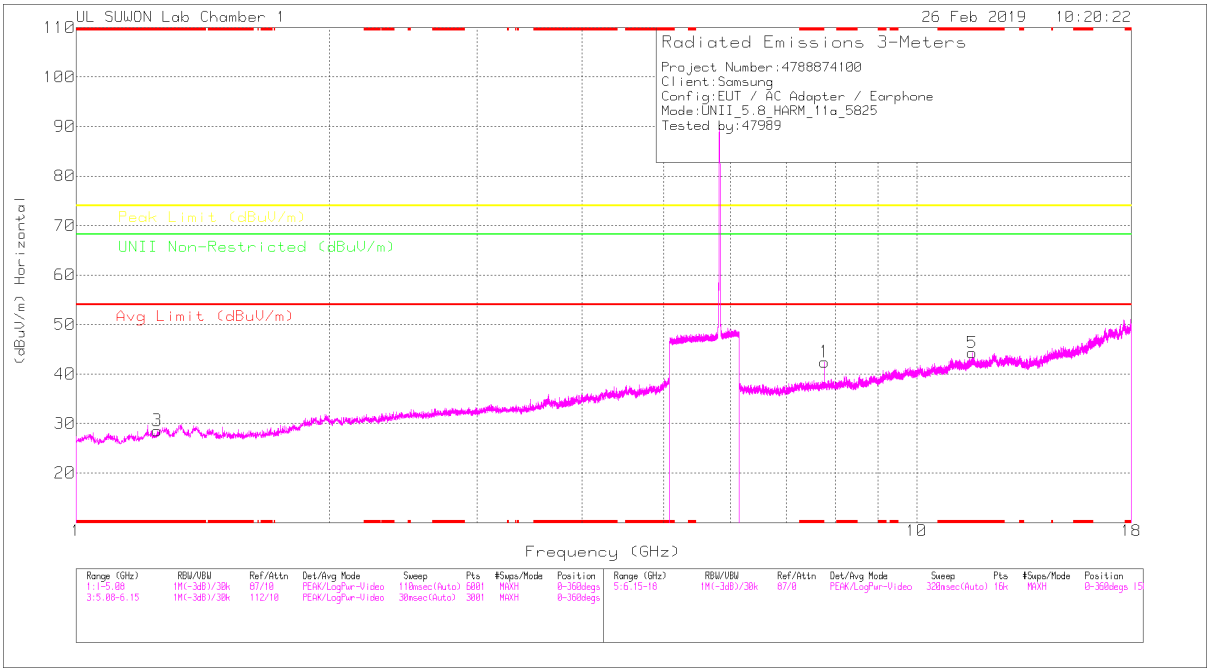
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

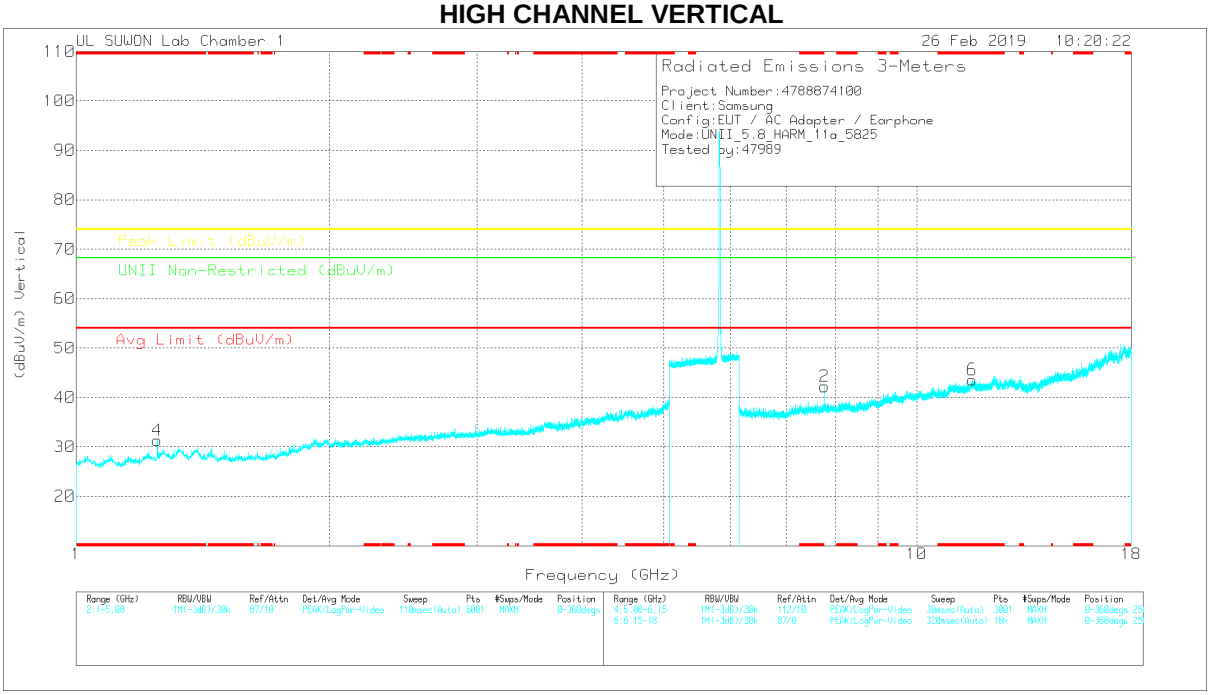
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.57	37.3	PK-U	38.4	-20	0	55.7	-	-	74	-18.3	-	-	140	101	H
* 11.57	26.41	ADR	38.4	-20	.12	44.93	54	-9.07	-	-	-	-	140	101	H
* 11.57	37.54	PK-U	38.4	-20	0	55.94	-	-	74	-18.06	-	-	172	108	V
* 11.57	27.91	ADR	38.4	-20	.12	46.43	54	-7.57	-	-	-	-	172	108	V
17.361	39.15	PK-U	41.3	-18.8	0	61.65	-	-	-	-	68.2	-6.55	130	109	H
17.359	38.8	PK-U	41.3	-18.8	0	61.3	-	-	-	-	68.2	-6.9	148	186	V
* 7.713	40.25	PK-U	36	-23.9	0	52.35	-	-	74	-21.65	-	-	171	236	H
* 7.713	31.72	ADR	36	-23.9	.12	43.94	54	-10.06	-	-	-	-	171	236	H
* 7.714	39.94	PK-U	36	-23.9	0	52.04	-	-	74	-21.96	-	-	199	112	V
* 7.713	30.56	ADR	36	-23.9	.12	42.78	54	-11.22	-	-	-	-	199	112	V

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	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	* 1.25	36.27	PK	29.2	-36.9	0	28.57	-	-	74	-45.43	-	-	0-360	250	H
4	* 1.25	39	PK	29.2	-36.9	0	31.3	-	-	74	-42.7	-	-	0-360	250	V
1	7.767	32.92	PK	35.9	-26.4	0	42.42	-	-	-	-	68.2	-25.78	0-360	250	H
5	* 11.65	27.27	PK	38.7	-21.7	0	44.27	-	-	74	-29.73	-	-	0-360	250	H
2	7.766	32.73	PK	35.9	-26.4	0	42.23	-	-	-	-	68.2	-25.97	0-360	250	V
6	* 11.65	26.56	PK	38.7	-21.7	0	43.56	-	-	74	-30.44	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

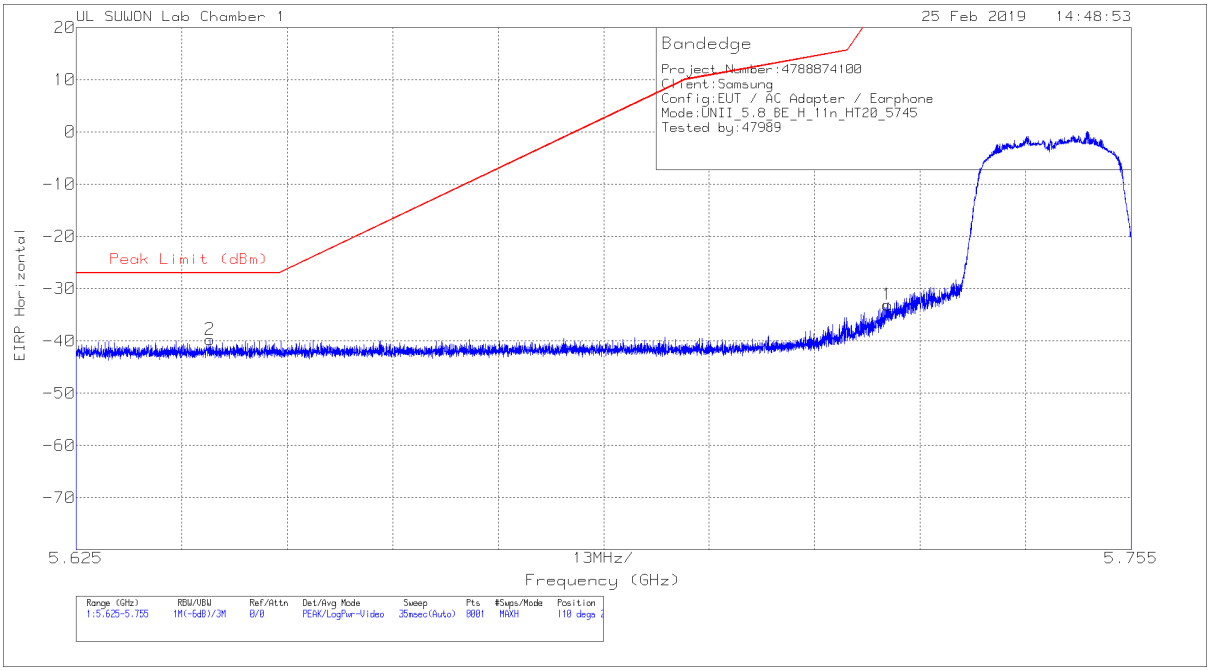
Radiated Emissions

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
7.767	40.62	PK-U	35.9	-26.4	0	50.12	-	-	-	-	68.2	-18.08	172	242	H
7.767	40.48	PK-U	35.9	-26.4	0	49.98	-	-	-	-	68.2	-18.22	197	112	V

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

11.4.2.TX ABOVE 1GHz 802.11n HT20 MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT

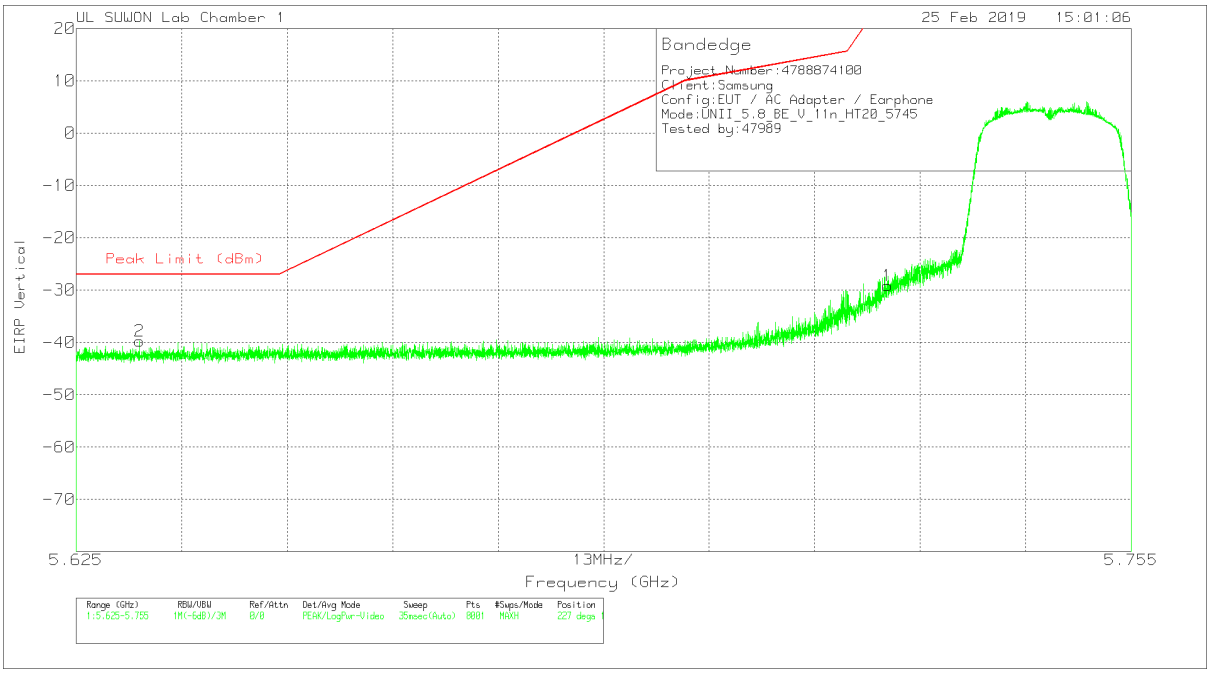


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-58.57	Pk	34.8	-21.1	11.8	0	-33.07	26.97	-60.04	110	259	H
2	5.642	-65.11	Pk	34.7	-21.1	11.8	0	-39.71	-27	-12.71	110	259	H

Pk - Peak detector

VERTICAL PEAK PLOT



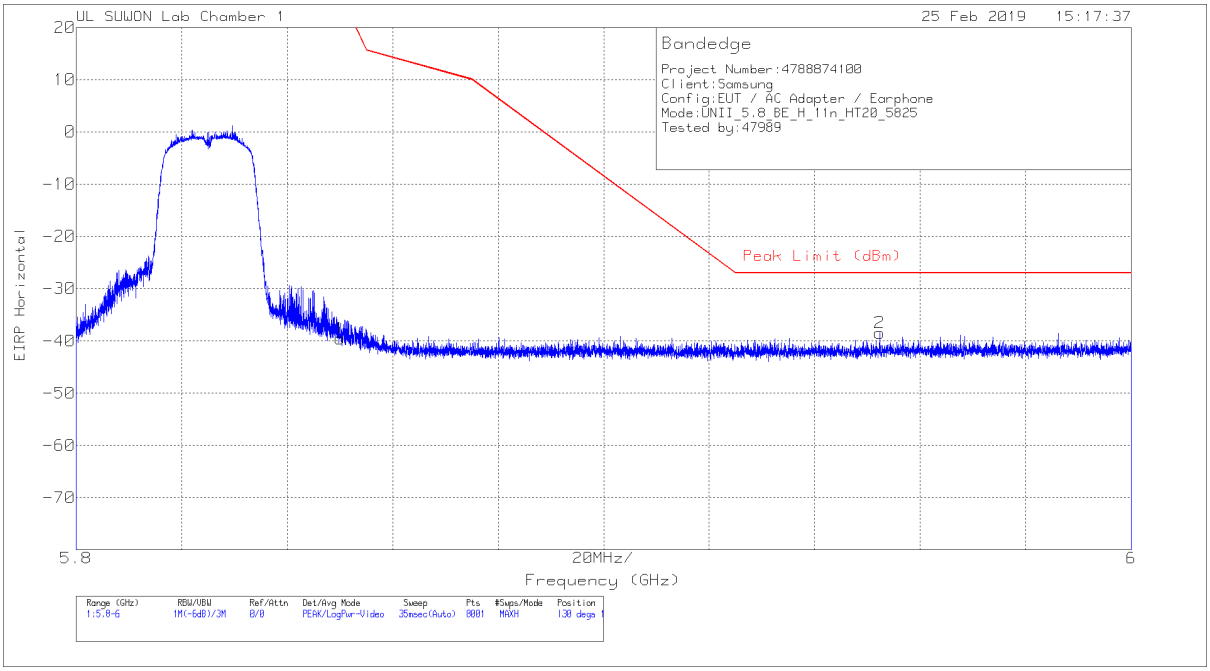
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-54.68	Pk	34.8	-21.1	11.8	0	-29.18	26.97	-56.15	227	126	V
2	5.633	-65.18	Pk	34.7	-21.1	11.8	0	-39.78	-27	-12.78	227	126	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE DATA

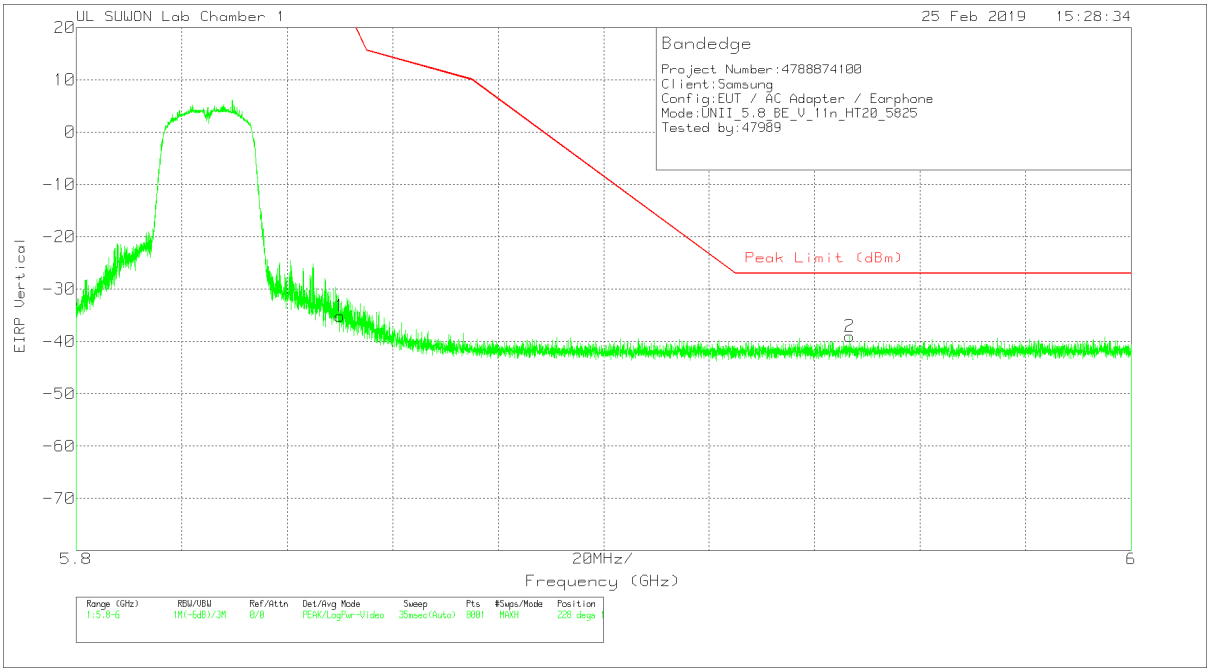


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.35	Pk	35	-21	11.8	0	-39.55	26.94	-66.49	130	112	H
2	5.952	-64.57	Pk	35.1	-20.8	11.8	0	-38.47	-27	-11.47	130	112	H

Pk - Peak detector

VERTICAL PEAK PLOT



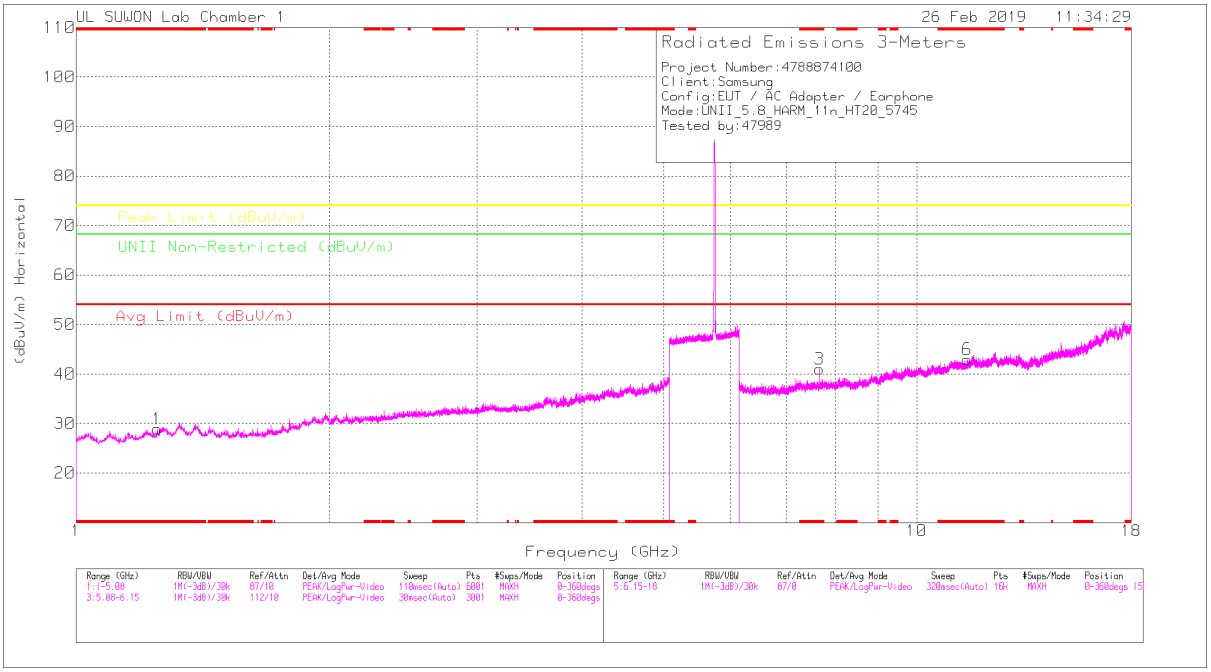
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-60.94	Pk	35	-21	11.8	0	-35.14	26.94	-62.08	228	127	V
2	5.947	-65.18	Pk	35.1	-20.7	11.8	0	-38.98	-27	-11.98	228	127	V

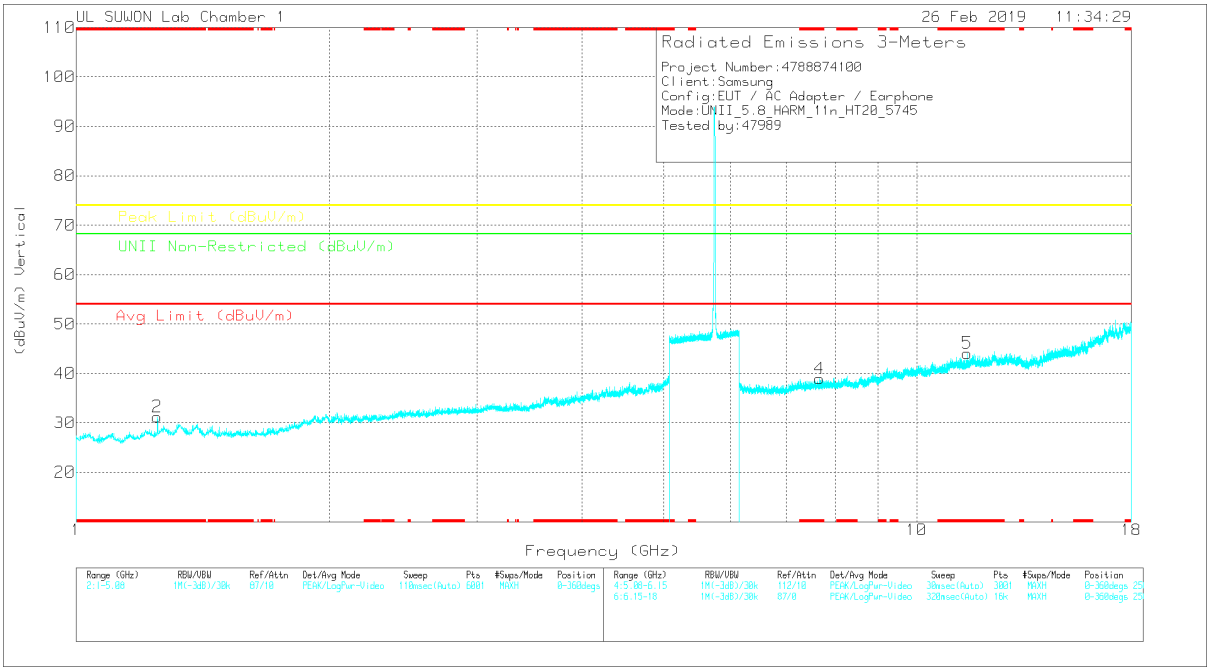
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	SGHz_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
1	* 1.25	36.61	PK	29.2	-36.9	0	28.91	-	-	74	-45.09	-	-	0-360	150	H
2	* 1.25	38.92	PK	29.2	-36.9	0	31.22	-	-	74	-42.78	-	-	0-360	250	V
3	* 7.659	32.09	PK	35.8	-26.9	0	40.99	-	-	74	-33.01	-	-	0-360	250	H
6	* 11.49	26.72	PK	38.5	-22.3	0	42.92	-	-	74	-31.08	-	-	0-360	250	H
4	* 7.659	30.05	PK	35.8	-26.9	0	38.95	-	-	74	-35.05	-	-	0-360	150	V
5	* 11.49	27.89	PK	38.5	-22.3	0	44.09	-	-	74	-29.91	-	-	0-360	150	V

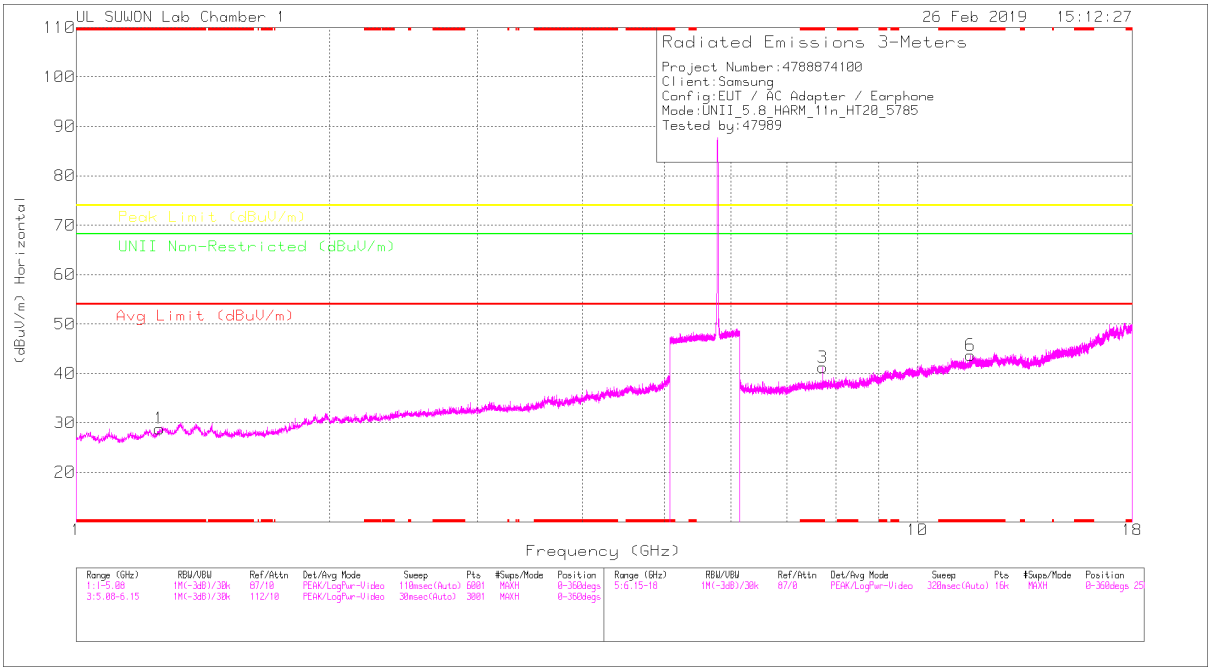
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

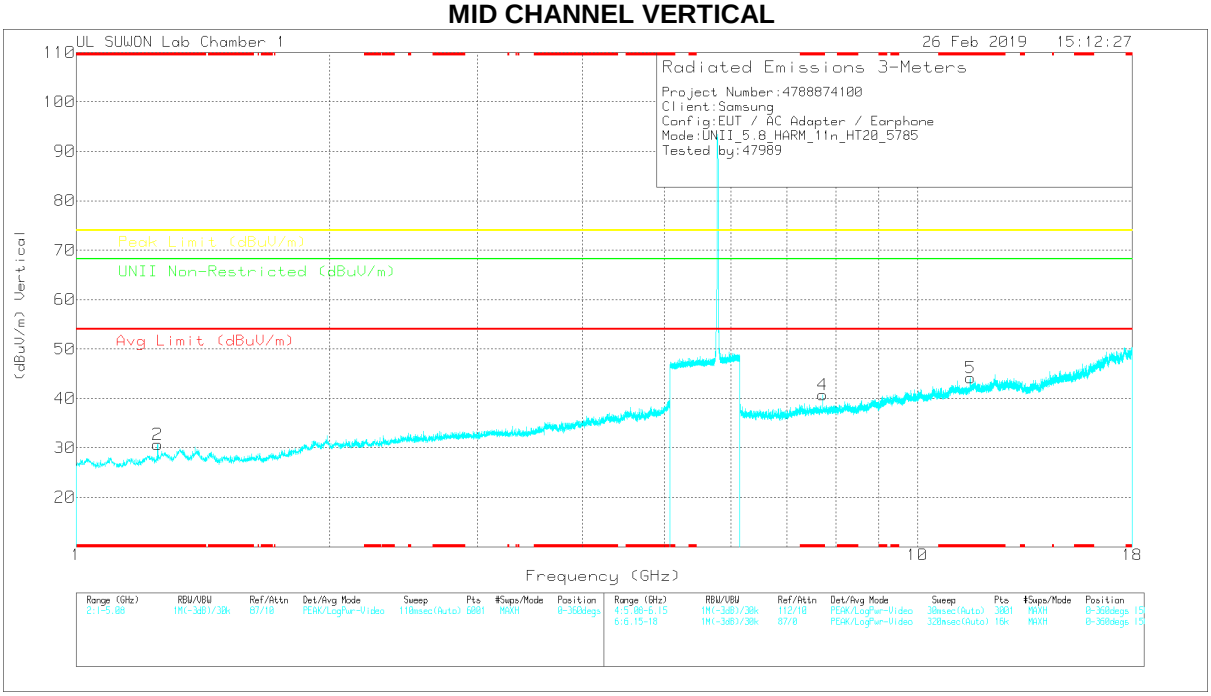
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.66	40.11	PK-U	35.8	-26.9	0	49.01	-	-	74	-24.99	-	-	189	247	H
* 7.66	30.38	ADR	35.8	-26.9	.13	39.41	54	-14.59	-	-	-	-	189	247	H
* 7.66	39.76	PK-U	35.8	-26.9	0	48.66	-	-	74	-25.34	-	-	199	143	V
* 7.66	29.32	ADR	35.8	-26.9	.13	38.35	54	-15.65	-	-	-	-	199	143	V

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	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
1	* 1.256	36.44	PK	29.2	-36.8	0	28.84	-	-	74	-45.16	-	-	0-360	250	H
2	* 1.25	38.4	PK	29.2	-36.9	0	30.7	-	-	74	-43.3	-	-	0-360	250	V
3	* 7.713	31.94	PK	35.9	-26.6	0	41.24	-	-	74	-32.76	-	-	0-360	250	H
6	* 11.57	27.6	PK	38.6	-22.5	0	43.7	-	-	74	-30.3	-	-	0-360	250	H
4	* 7.713	31.44	PK	35.9	-26.6	0	40.74	-	-	74	-33.26	-	-	0-360	250	V
5	* 11.57	28.07	PK	38.6	-22.5	0	44.17	-	-	74	-29.83	-	-	0-360	250	V

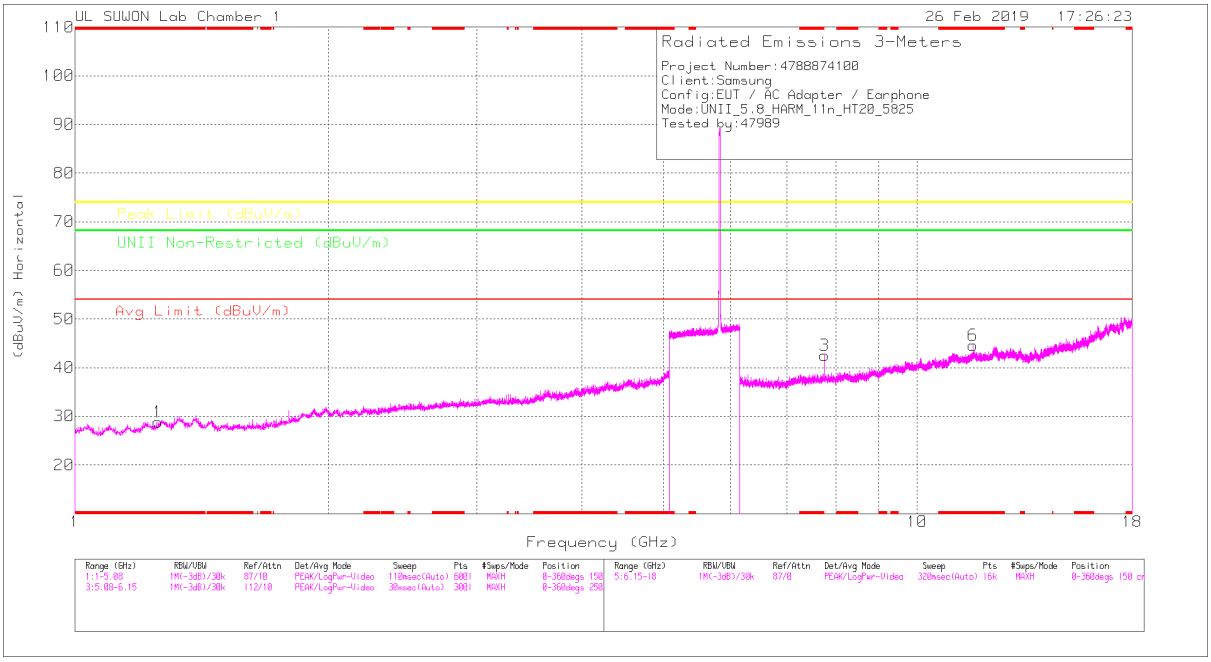
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

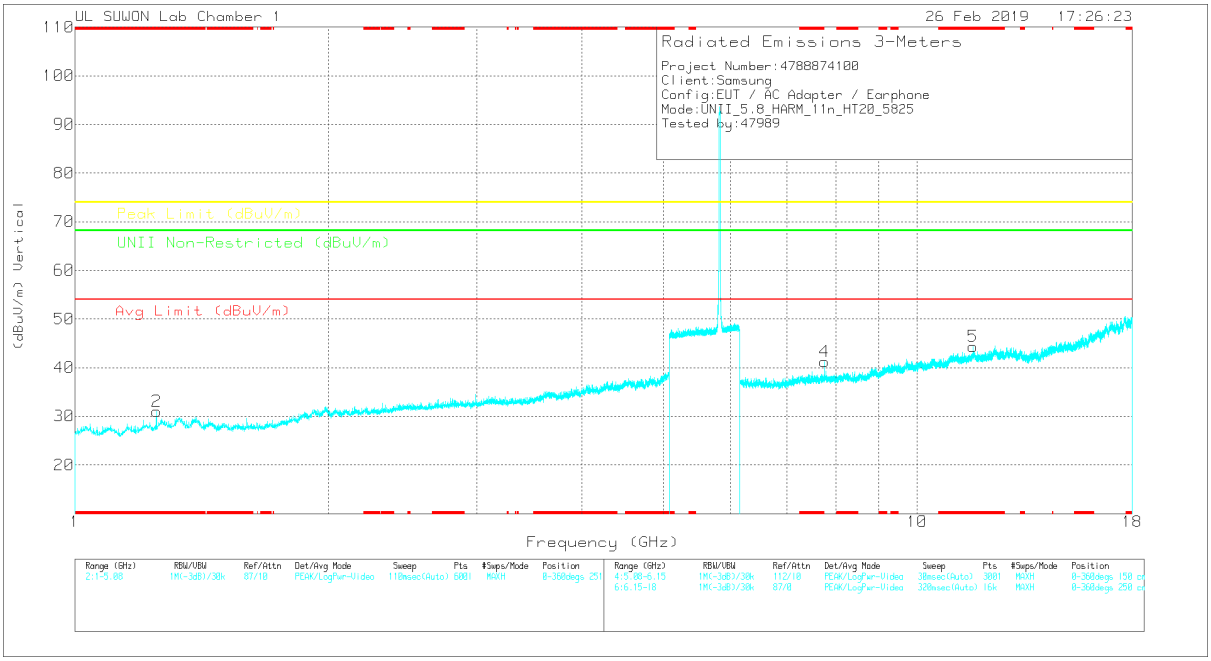
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.713	40.56	PK-U	35.9	-26.6	0	49.86	-	-	74	-24.14	-	-	172	251	H
* 7.713	31.24	ADR	35.9	-26.6	.13	40.67	54	-13.33	-	-	-	-	172	251	H
* 7.713	40.76	PK-U	35.9	-26.6	0	50.06	-	-	74	-23.94	-	-	197	100	V
* 7.713	30.88	ADR	35.9	-26.6	.13	40.31	54	-13.69	-	-	-	-	197	100	V

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	SGHz_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
1	* 1.255	36.41	PK	29.2	-36.8	0	28.81	-	-	74	-45.19	-	-	0-360	250	H
2	* 1.25	38.74	PK	29.2	-36.9	0	31.04	-	-	74	-42.96	-	-	0-360	251	V
3	7.767	32.97	PK	35.9	-26.4	0	42.47	-	-	-	-	68.2	-25.73	0-360	250	H
6	* 11.65	27.63	PK	38.7	-21.7	0	44.63	-	-	74	-29.37	-	-	0-360	250	H
4	7.766	31.72	PK	35.9	-26.4	0	41.22	-	-	-	-	68.2	-26.98	0-360	250	V
5	* 11.65	27.29	PK	38.7	-21.7	0	44.29	-	-	74	-29.71	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

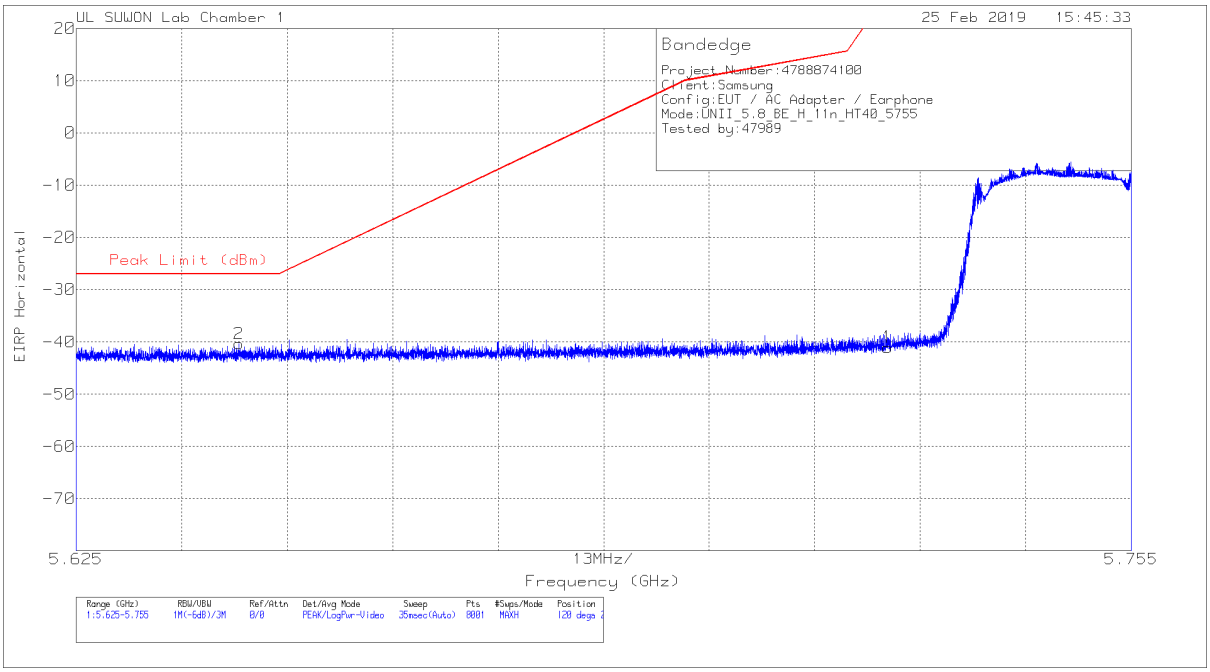
Radiated Emissions

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
7.766	41.08	PK-U	35.9	-26.4	0	50.58	-	-	-	-	68.2	-17.62	172	242	H
7.767	40.88	PK-U	35.9	-26.4	0	50.38	-	-	-	-	68.2	-17.82	197	124	V

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

11.4.3.TX ABOVE 1GHz 802.11n HT40 MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT

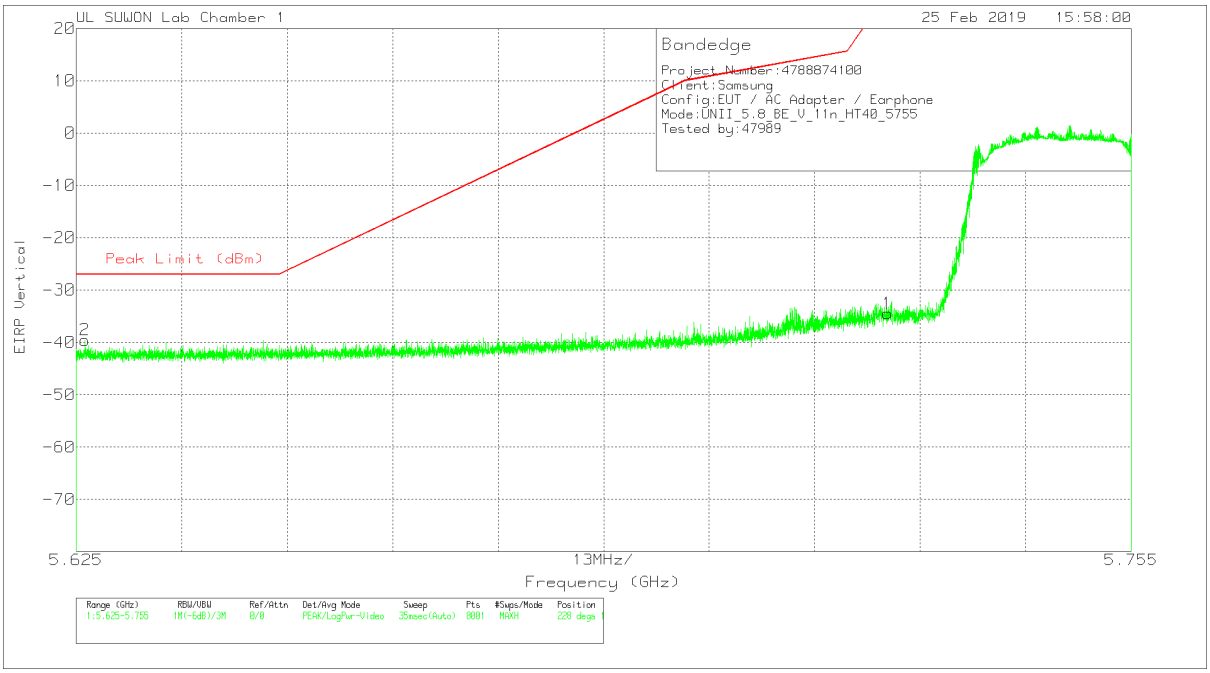


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.53	Pk	34.8	-21.1	11.8	0	-41.03	26.97	-68	120	219	H
2	5.645	-65.75	Pk	34.7	-21.1	11.8	0	-40.35	-27	-13.35	120	219	H

Pk - Peak detector

VERTICAL PEAK PLOT



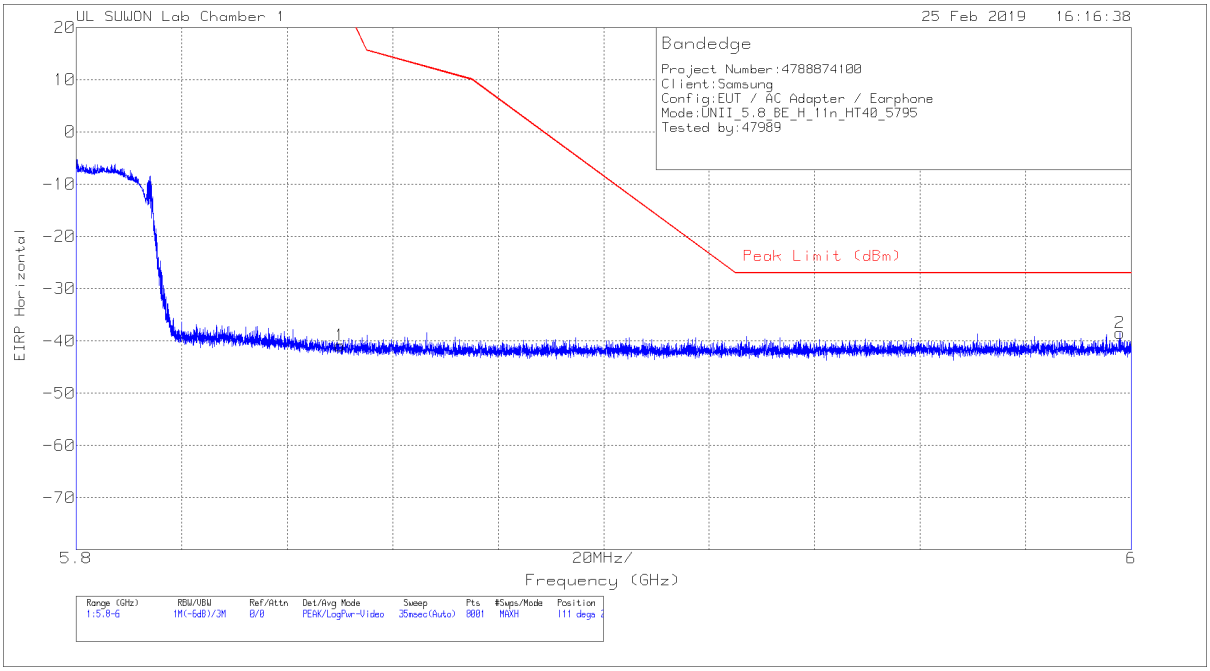
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-59.95	Pk	34.8	-21.1	11.8	0	-34.45	26.97	-61.42	228	125	V
2	5.626	-64.86	Pk	34.7	-21.2	11.8	0	-39.56	-27	-12.56	228	125	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT

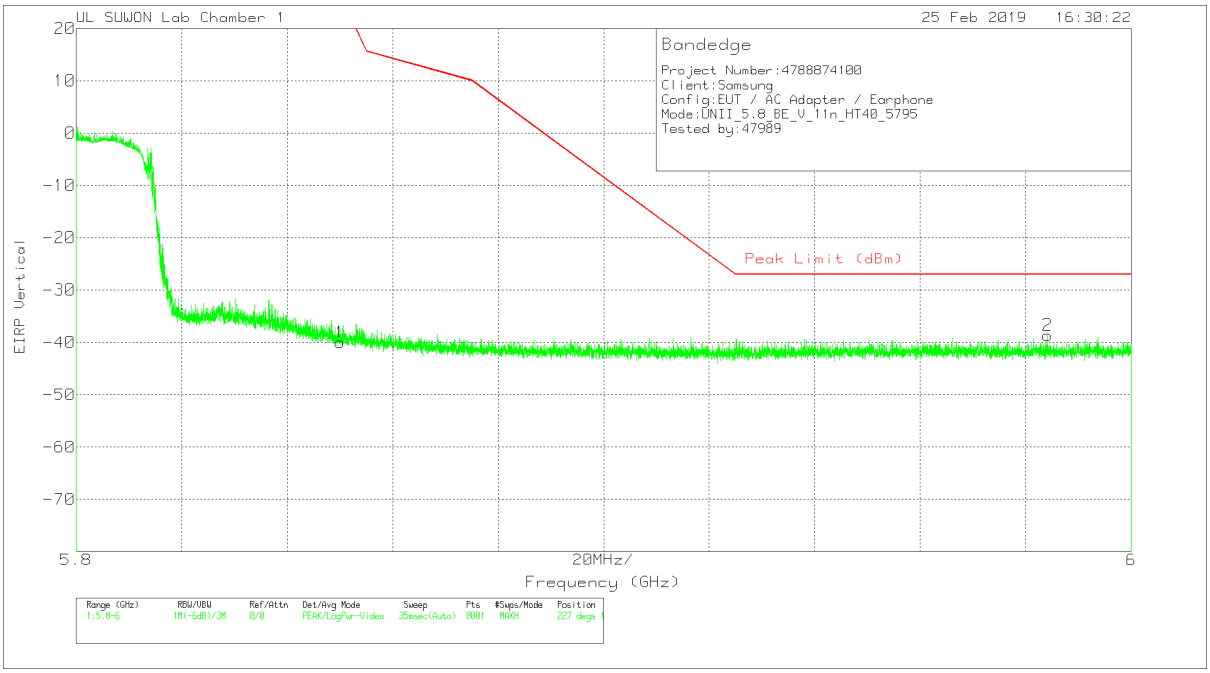


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.68	Pk	35	-21	11.8	0	-40.88	26.94	-67.82	111	271	H
2	5.998	-64.67	Pk	35.1	-20.7	11.8	0	-38.47	-27	-11.47	111	271	H

Pk - Peak detector

VERTICAL PEAK PLOT



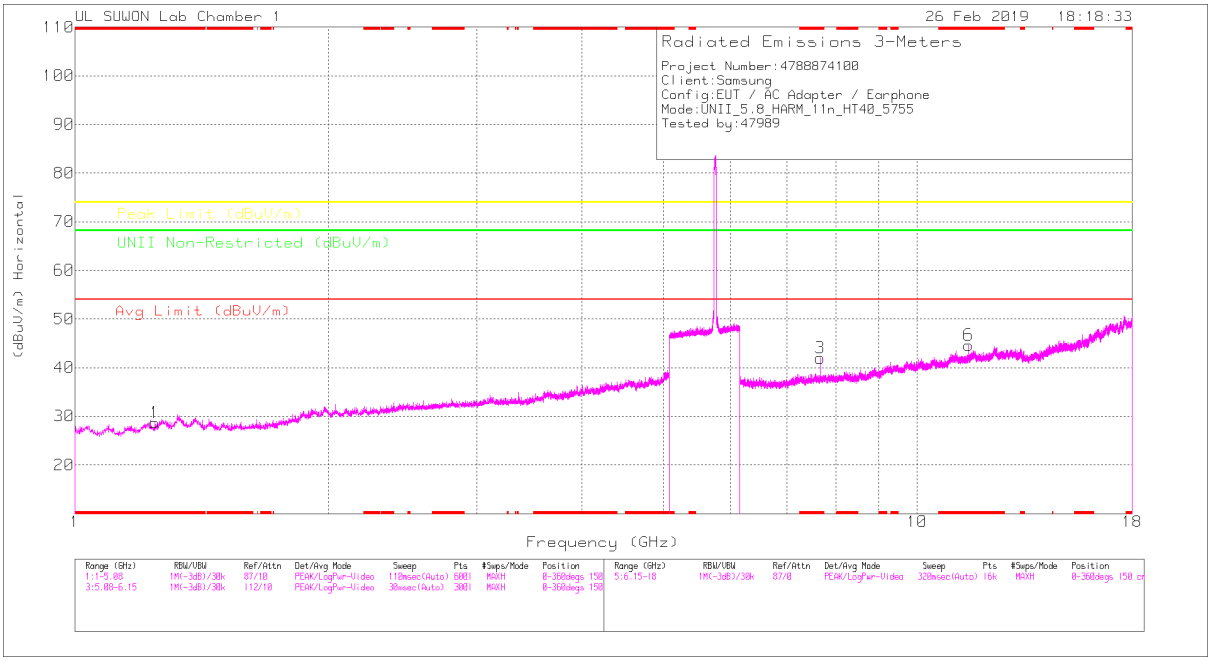
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.8	Pk	35	-21	11.8	0	-40	26.94	-66.94	227	121	V
2	5.984	-64.84	Pk	35.1	-20.7	11.8	0	-38.64	-27	-11.64	227	121	V

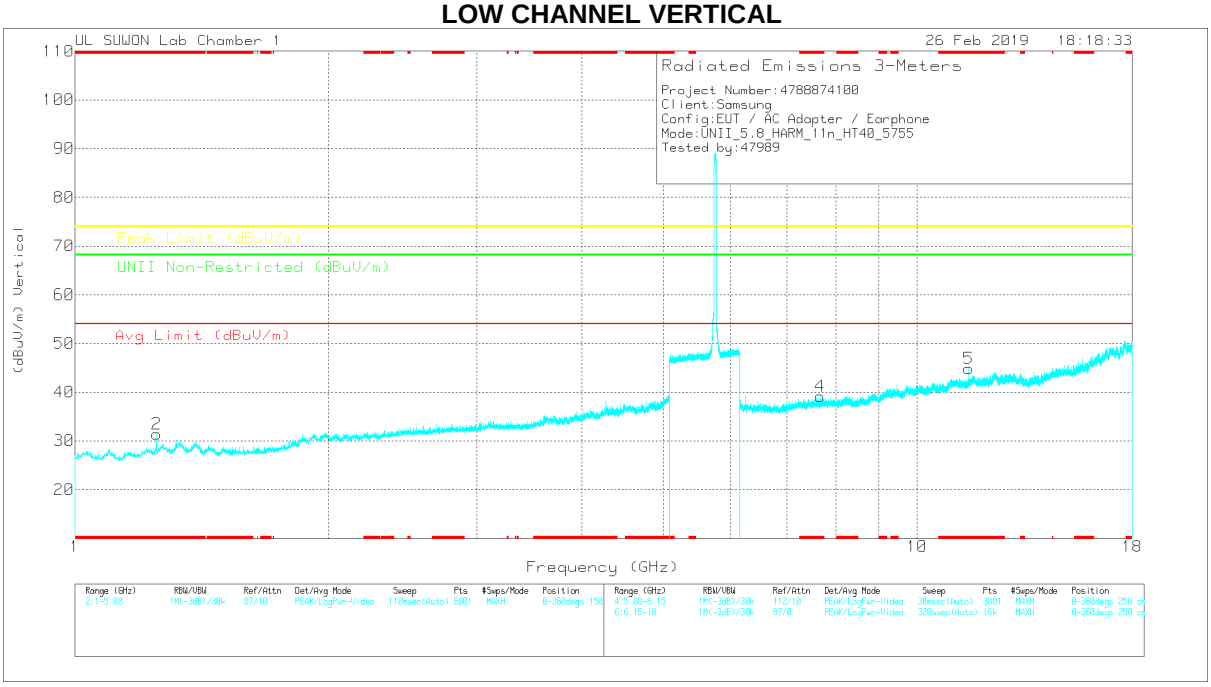
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	5GHz_LPF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.245	36.43	PK	29.1	-36.9	0	28.63	-	-	74	-45.37	-	-	0-360	150	H
2	* 1.25	39.13	PK	29.2	-36.9	0	31.43	-	-	74	-42.57	-	-	0-360	250	V
3	* 7.673	32.95	PK	35.9	-26.9	0	41.95	-	-	74	-32.05	-	-	0-360	250	H
6	* 11.51	28.46	PK	38.5	-22.3	0	44.66	-	-	74	-29.34	-	-	0-360	250	H
4	* 7.673	30.17	PK	35.9	-26.9	0	39.17	-	-	74	-34.83	-	-	0-360	250	V
5	* 11.51	28.7	PK	38.5	-22.3	0	44.9	-	-	74	-29.1	-	-	0-360	150	V

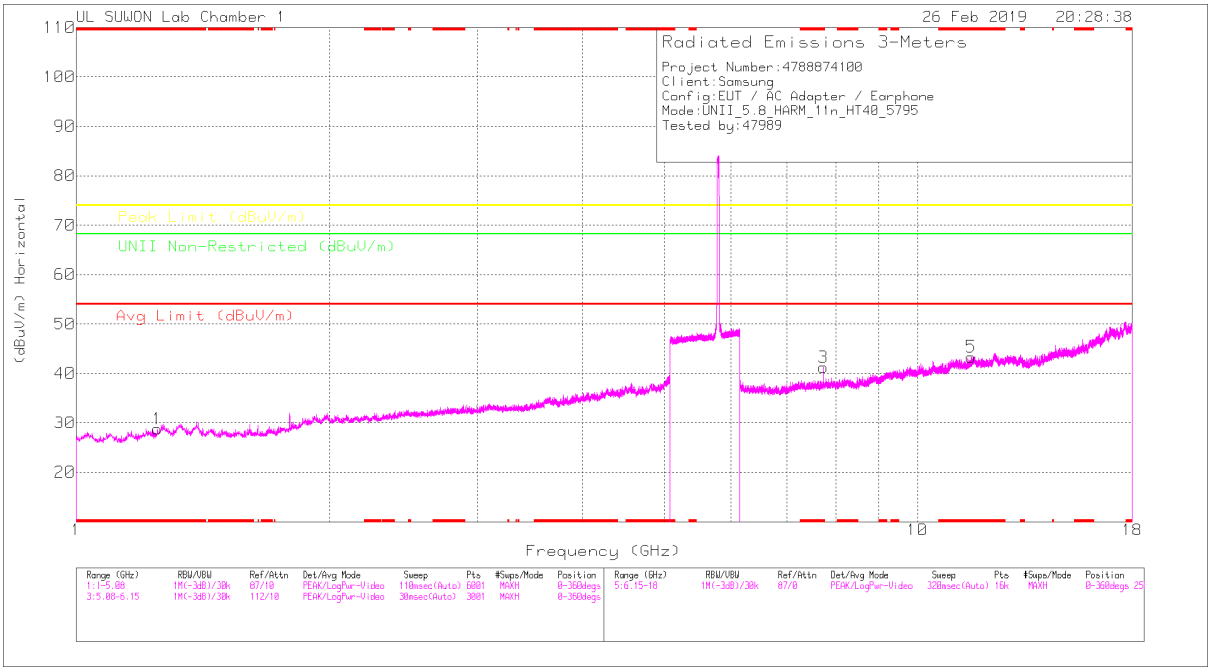
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

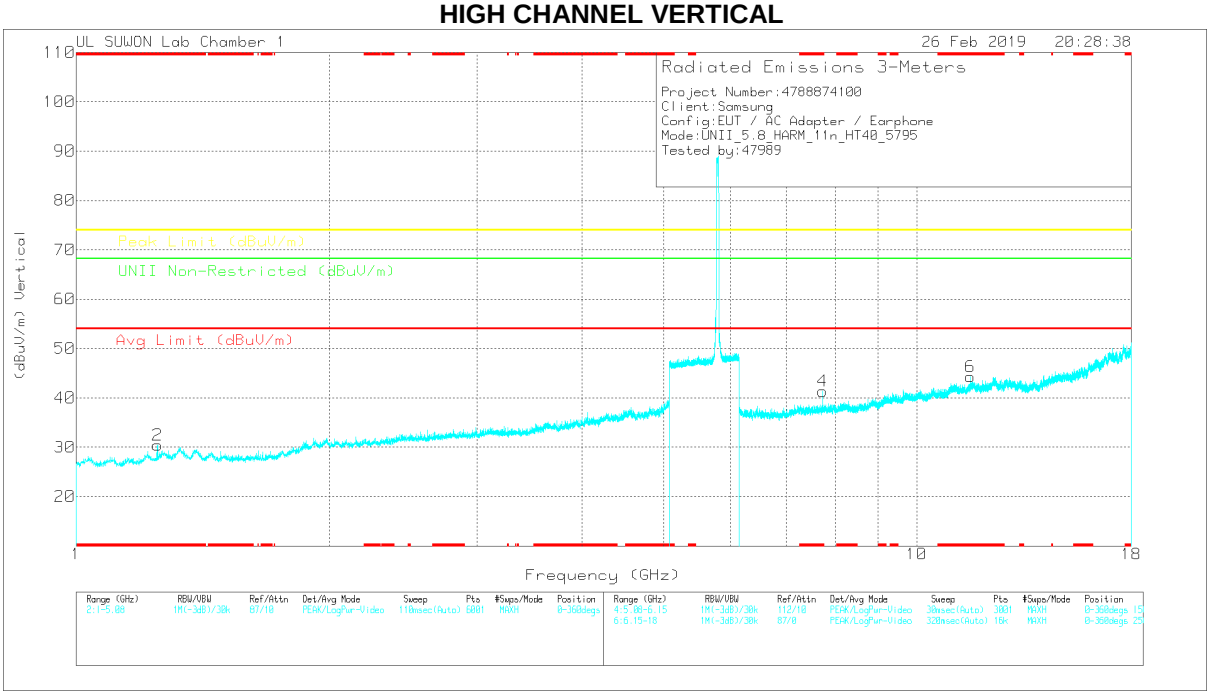
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HPF[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.673	39.73	PK-U	35.9	-26.9	0	48.73	-	-	74	-25.27	-	-	214	226	H
* 7.673	30.32	ADR	35.9	-26.9	.36	39.68	54	-14.32	-	-	-	-	214	226	H
* 7.673	39.89	PK-U	35.9	-26.9	0	48.89	-	-	74	-25.11	-	-	218	244	V
* 7.673	29.86	ADR	35.9	-26.9	.36	39.22	54	-14.78	-	-	-	-	218	244	V
* 11.51	37.85	PK-U	38.5	-22.3	0	54.05	-	-	74	-19.95	-	-	249	366	H
* 11.51	27.52	ADR	38.5	-22.3	.36	44.08	54	-9.92	-	-	-	-	249	366	H
* 11.51	38.52	PK-U	38.5	-22.3	0	54.72	-	-	74	-19.28	-	-	167	100	V
* 11.51	28.91	ADR	38.5	-22.3	.36	45.47	54	-8.53	-	-	-	-	167	100	V

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	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
1	* 1.25	36.49	PK	29.2	-36.9	0	28.79	-	-	74	-45.21	-	-	0-360	250	H
2	* 1.25	38.12	PK	29.2	-36.9	0	30.42	-	-	74	-43.58	-	-	0-360	250	V
3	* 7.727	31.82	PK	35.9	-26.5	0	41.22	-	-	74	-32.78	-	-	0-360	250	H
5	* 11.59	27.13	PK	38.6	-22.4	0	43.33	-	-	74	-30.67	-	-	0-360	250	H
4	* 7.727	31.94	PK	35.9	-26.5	0	41.34	-	-	74	-32.66	-	-	0-360	250	V
6	* 11.59	28.1	PK	38.6	-22.4	0	44.3	-	-	74	-29.7	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

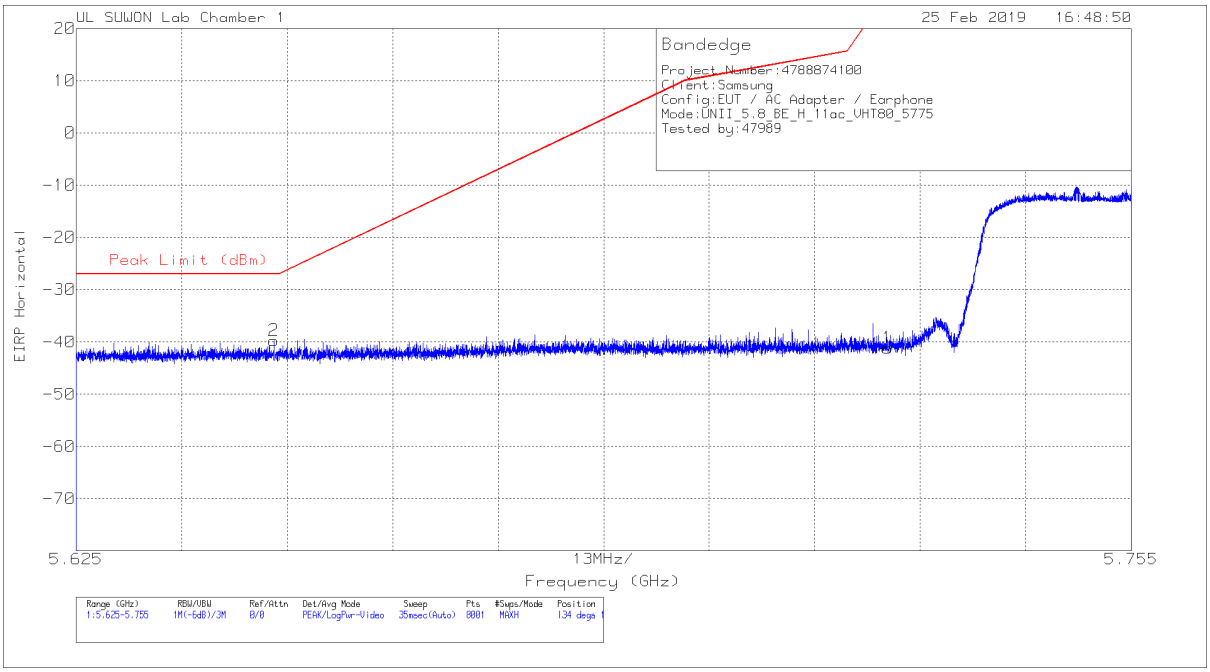
Radiated Emissions

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
* 7.727	40.85	PK-U	35.9	-26.5	0	50.25	-	-	74	-23.75	-	-	170	247	H
* 7.727	32.02	ADR	35.9	-26.5	.36	41.78	54	-12.22	-	-	-	-	170	247	H
* 7.727	40.43	PK-U	35.9	-26.5	0	49.83	-	-	74	-24.17	-	-	199	115	V
* 7.727	31.27	ADR	35.9	-26.5	.36	41.03	54	-12.97	-	-	-	-	199	115	V
* 11.59	37.21	PK-U	38.6	-22.4	0	53.41	-	-	74	-20.59	-	-	138	214	H
* 11.59	26.31	ADR	38.6	-22.4	.36	42.87	54	-11.13	-	-	-	-	138	214	H
* 11.59	36.97	PK-U	38.6	-22.4	0	53.17	-	-	74	-20.83	-	-	167	238	V
* 11.59	26.8	ADR	38.6	-22.4	.36	43.36	54	-10.64	-	-	-	-	167	238	V

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

11.4.1.TX ABOVE 1GHz 802.11ac VHT80 MODE IN THE 5.8GHz BAND LOWER BANDEDGE (MID CHANNEL)

HORIZONTAL PEAK PLOT

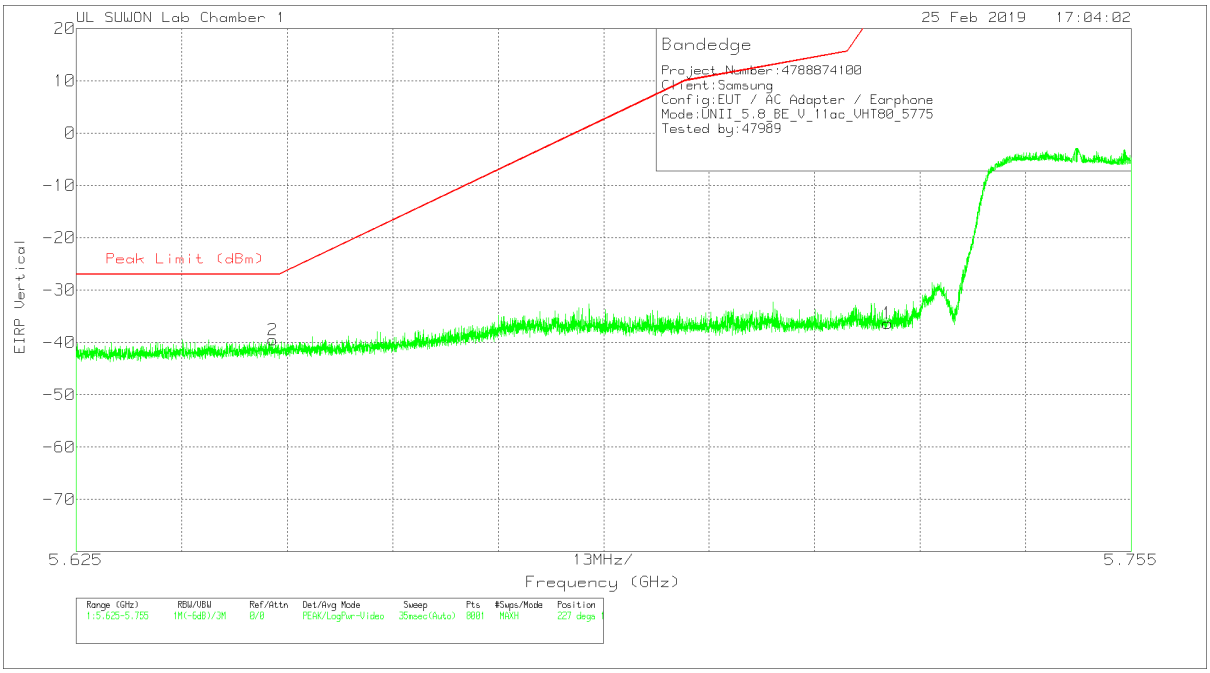


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-66.64	Pk	34.8	-21.1	11.8	0	-41.14	26.97	-68.11	134	117	H
2	5.649	-65.13	Pk	34.7	-21.1	11.8	0	-39.73	-27	-12.73	134	117	H

Pk - Peak detector

VERTICAL PEAK PLOT



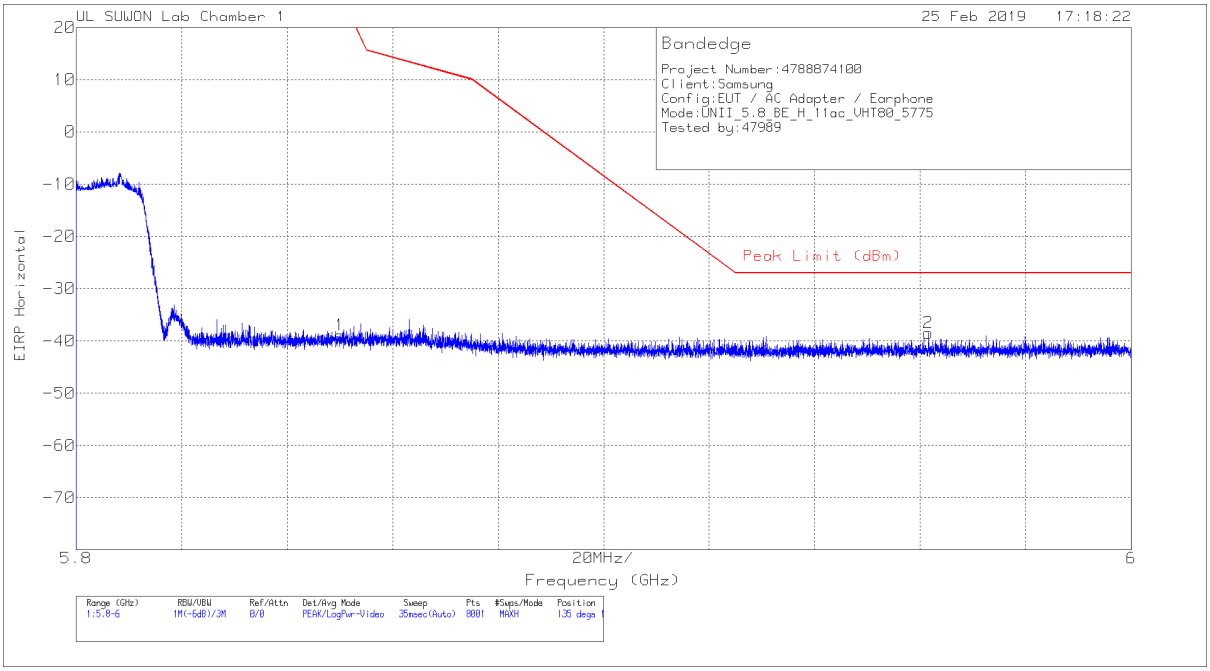
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-61.86	Pk	34.8	-21.1	11.8	0	-36.36	26.97	-63.33	227	125	V
2	5.649	-64.92	Pk	34.7	-21.1	11.8	0	-39.52	-27	-12.52	227	125	V

Pk - Peak detector

UPPER BANDEDGE (MID CHANNEL)

HORIZONTAL PEAK PLOT

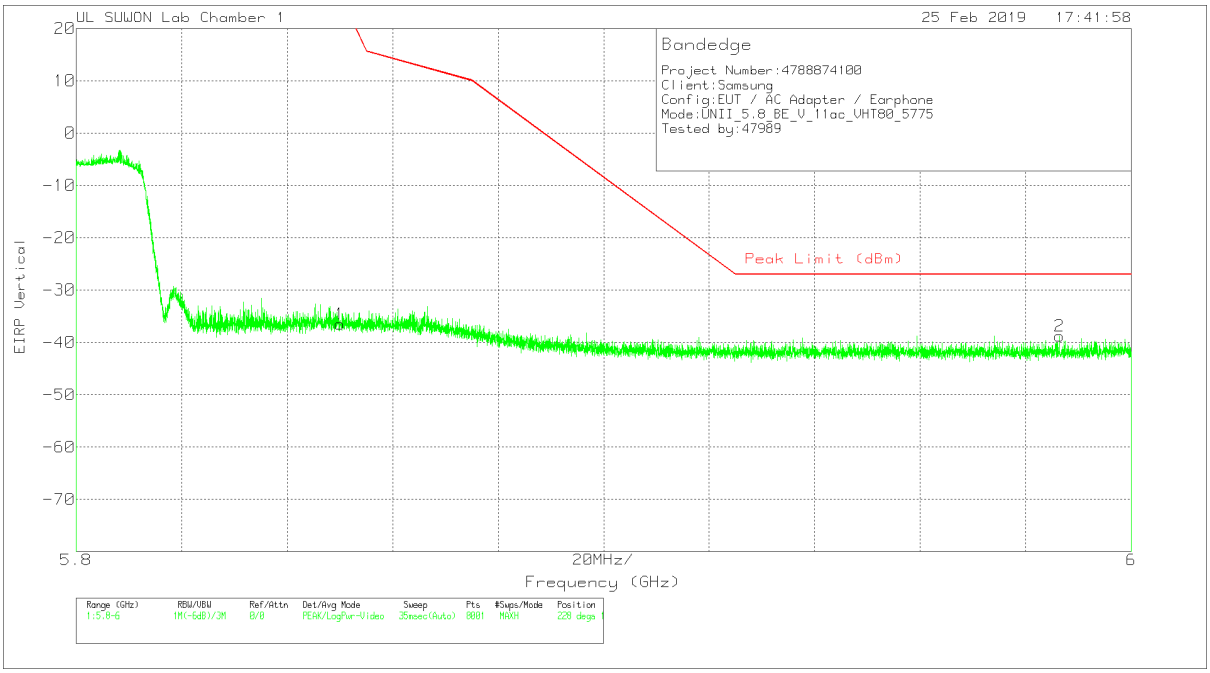


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.75	Pk	35	-21	11.8	0	-38.95	26.94	-65.89	135	104	H
2	5.962	-64.66	Pk	35.1	-20.7	11.8	0	-38.46	-27	-11.46	135	104	H

Pk - Peak detector

VERTICAL PEAK PLOT



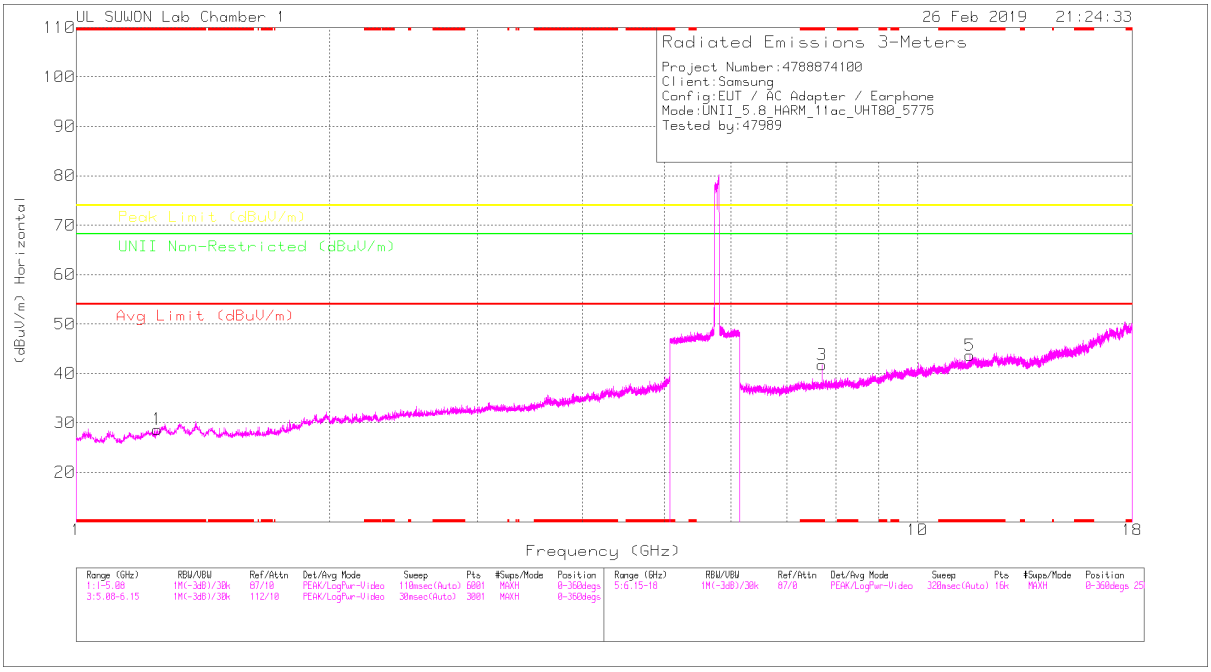
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168717	10dB[dB]	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.33	Pk	35	-21	11.8	0	-36.53	26.94	-63.47	228	121	V
2	5.986	-64.99	Pk	35.1	-20.7	11.8	0	-38.79	-27	-11.79	228	121	V

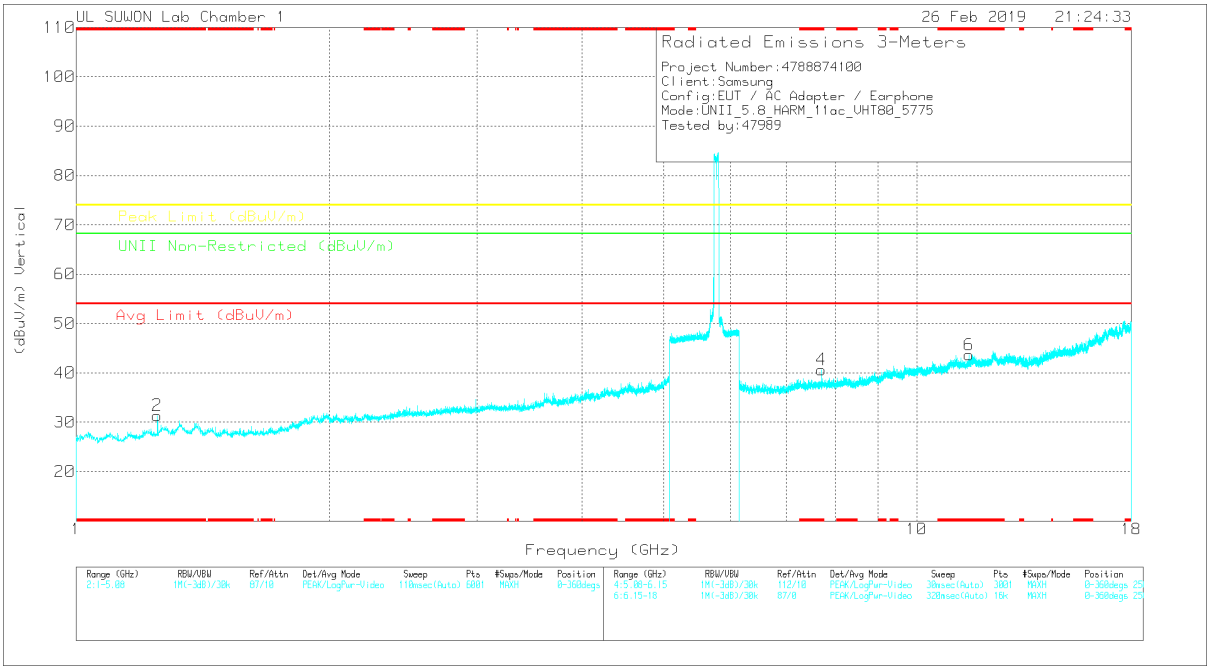
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	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
1	* 1.25	36.39	PK	29.2	-36.9	0	28.69	-	-	74	-45.31	-	-	0-360	250	H
2	* 1.25	39.06	PK	29.2	-36.9	0	31.36	-	-	74	-42.64	-	-	0-360	250	V
3	* 7.699	32.64	PK	35.9	-26.8	0	41.74	-	-	74	-32.26	-	-	0-360	250	H
5	* 11.55	27.67	PK	38.5	-22.5	0	43.67	-	-	74	-30.33	-	-	0-360	250	H
4	* 7.699	31.55	PK	35.9	-26.8	0	40.65	-	-	74	-33.35	-	-	0-360	150	V
6	* 11.55	27.64	PK	38.5	-22.5	0	43.64	-	-	74	-30.36	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

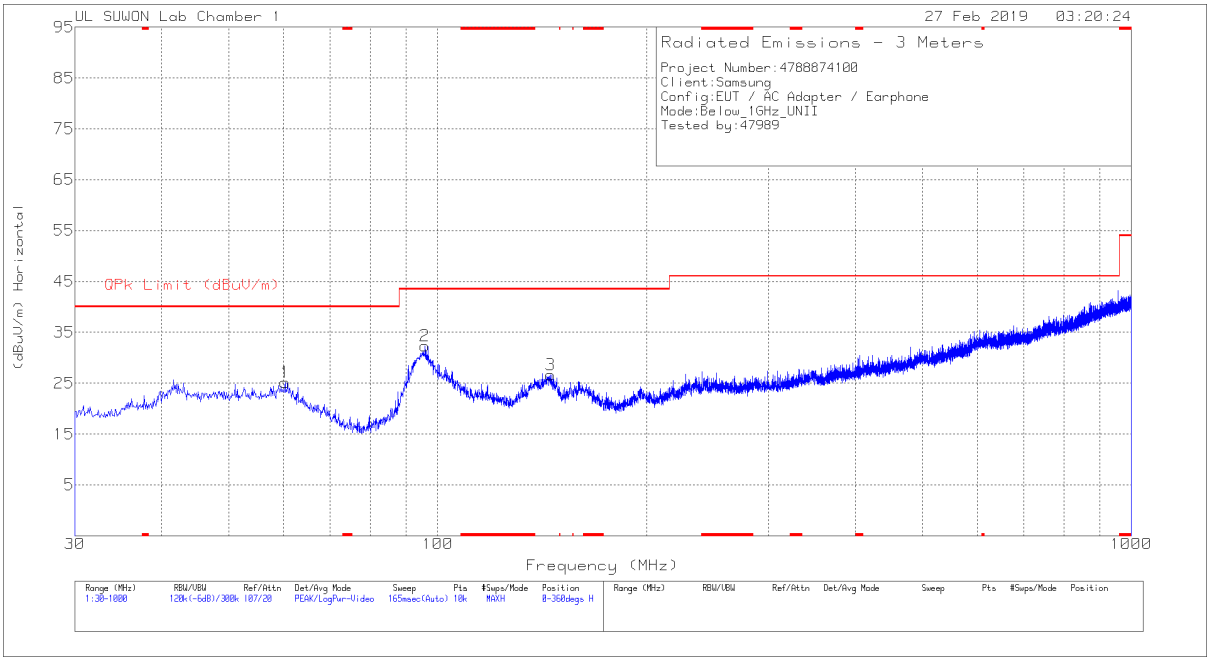
Radiated Emissions

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
* 7.7	40.16	PK-U	35.9	-26.8	0	49.26	-	-	74	-24.74	-	-	155	223	H
* 7.7	31.25	ADR	35.9	-26.8	.24	40.59	54	-13.41	-	-	-	-	155	223	H
* 7.7	41.04	PK-U	35.9	-26.8	0	50.14	-	-	74	-23.86	-	-	197	115	V
* 7.7	30.5	ADR	35.9	-26.8	.24	39.84	54	-14.16	-	-	-	-	197	115	V

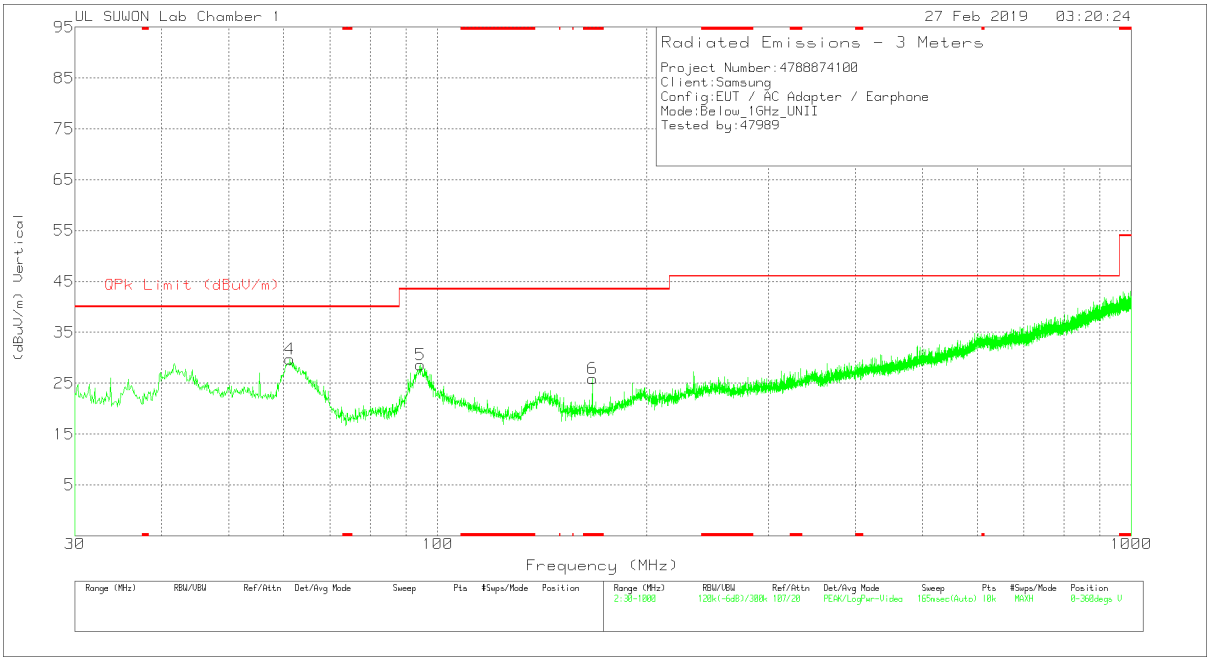
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

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)



Below 1G Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	60.264	36.96	Pk	18.5	-30.3	0	25.16	40	-14.84	0-360	400	H
2	95.863	44.66	Pk	17.4	-29.7	0	32.36	43.52	-11.16	0-360	300	H
3	145.43	41.62	Pk	14.1	-29.1	0	26.62	43.52	-16.9	0-360	200	H
4	61.234	41.77	Pk	18.3	-30.3	0	29.77	40	-10.23	0-360	100	V
5	94.505	41.18	Pk	17.2	-29.8	0	28.58	43.52	-14.94	0-360	100	V
6	* 167.158	39.87	Pk	14.8	-28.8	0	25.87	43.52	-17.65	0-360	100	V

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

13. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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.

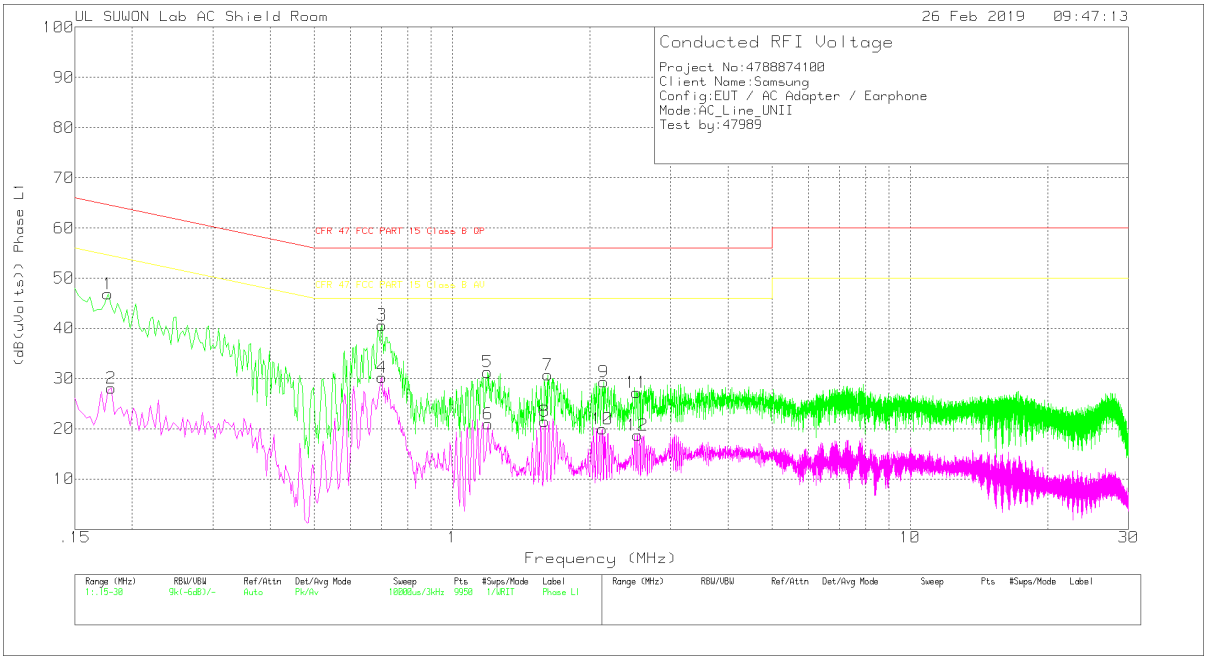
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 RESULTS



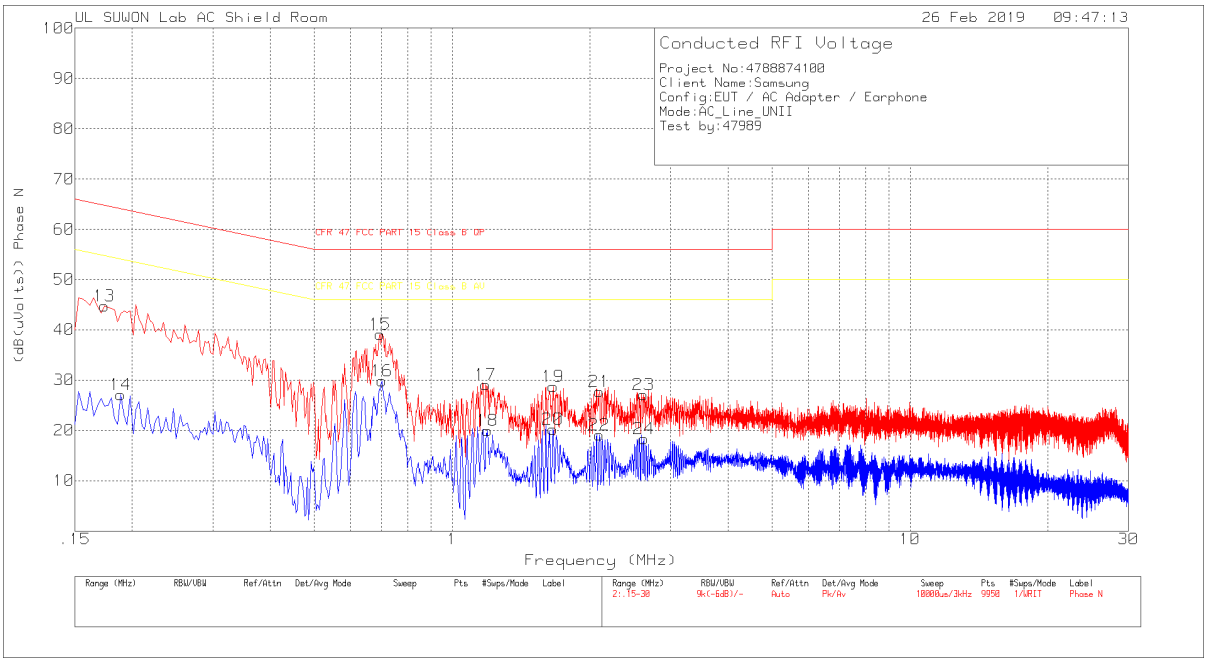
Trace Markers

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	.177	36.69	Pk	10	.2	46.89	64.63	-17.74	-	-
2	.18	17.87	Av	10	.2	28.07	-	-	54.49	-26.42
3	.702	30.57	Pk	9.9	.2	40.67	56	-15.33	-	-
4	.702	20.1	Av	9.9	.2	30.2	-	-	46	-15.8
5	1.194	21.19	Pk	9.8	.3	31.29	56	-24.71	-	-
6	1.197	10.86	Av	9.8	.3	20.96	-	-	46	-25.04
7	1.62	20.65	Pk	9.8	.3	30.75	56	-25.25	-	-
8	1.593	11.31	Av	9.8	.3	21.41	-	-	46	-24.59
9	2.145	19.22	Pk	9.8	.3	29.32	56	-26.68	-	-
10	2.127	9.84	Av	9.8	.3	19.94	-	-	46	-26.06
11	2.529	16.93	Pk	10	.3	27.23	56	-28.77	-	-
12	2.538	8.4	Av	10	.3	18.7	-	-	46	-27.3

Pk - Peak detector
Av - Average detection

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ENV216_101836_With ex-cord_N	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)
13	.174	34.52	Pk	10	.2	44.72	64.77	-20.05	-	-
14	.189	17.01	Av	9.9	.2	27.11	-	-	54.08	-26.97
15	.696	29.04	Pk	9.9	.2	39.14	56	-16.86	-	-
16	.702	19.74	Av	9.9	.2	29.84	-	-	46	-16.16
17	1.185	18.98	Pk	9.8	.3	29.08	56	-26.92	-	-
18	1.194	9.85	Av	9.8	.3	19.95	-	-	46	-26.05
19	1.662	18.72	Pk	9.7	.3	28.72	56	-27.28	-	-
20	1.659	10.22	Av	9.7	.3	20.22	-	-	46	-25.78
21	2.094	17.75	Pk	9.7	.3	27.75	56	-28.25	-	-
22	2.097	9.04	Av	9.7	.3	19.04	-	-	46	-26.96
23	2.619	17.04	Pk	9.7	.3	27.04	56	-28.96	-	-
24	2.622	8.39	Av	9.7	.3	18.39	-	-	46	-27.61

Pk - Peak detector
Av - Average detection

14. DYNAMIC FREQUENCY SELECTION

14.1. OVERVIEW

14.1.1. LIMITS

FCC

§15.407 (h), FCC KDB 905462 D02 “Compliance measurement procedures for unlicensed-national information infrastructure devices operating in the 5250-5350 MHz and 5470-5725 MHz bands incorporating dynamic frequency selection” and KDB 905462 D03 “U-NII client devices without radar detection capability”.

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode		
	Master	Client (without radar detection)	Client (with radar detection)
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client **(without DFS)**	Client **(with DFS)**
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required	Yes

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar DFS	Client (without DFS)
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in all 20 MHz channel blocks and a null frequency between the bonded 20 MHz channel blocks.		

Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (see notes)
E.I.R.P. ≥ 200 mill watt	-64 dBm
E.I.R.P. < 200 mill watt and power spectral density < 10 dBm/MHz	-62 dBm
E.I.R.P. < 200 mill watt that do not meet power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna **Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. **Note 3:** E.I.R.P. is based on the highest antenna gain. For MIMO devices refer to KDB publication 662911 D01.	

Table 4: DFS Response requirement values

Parameter	Value
Non-occupancy period	30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds (See Note 1)
Channel Closing Transmission Time	200 milliseconds + approx. 60 milliseconds over remaining 10 second period. (See Notes 1 and 2)
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. (See Note 3)
Note 1: *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. **Note 2:** The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. **Note 3:** During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (usec)	PRI (usec)	Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in table 5a	Roundup: {(1/360) x (19 x 10^6 PRI_{usec})}	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 usec. With a minimum increment of 1 usec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Note 1: Short Pulse Radar Type 0 should be used for the *Detection Bandwidth* test, *Channel Move Time*, and *Channel Closing Time* tests.

Table 6 – Long Pulse Radar Test Signal

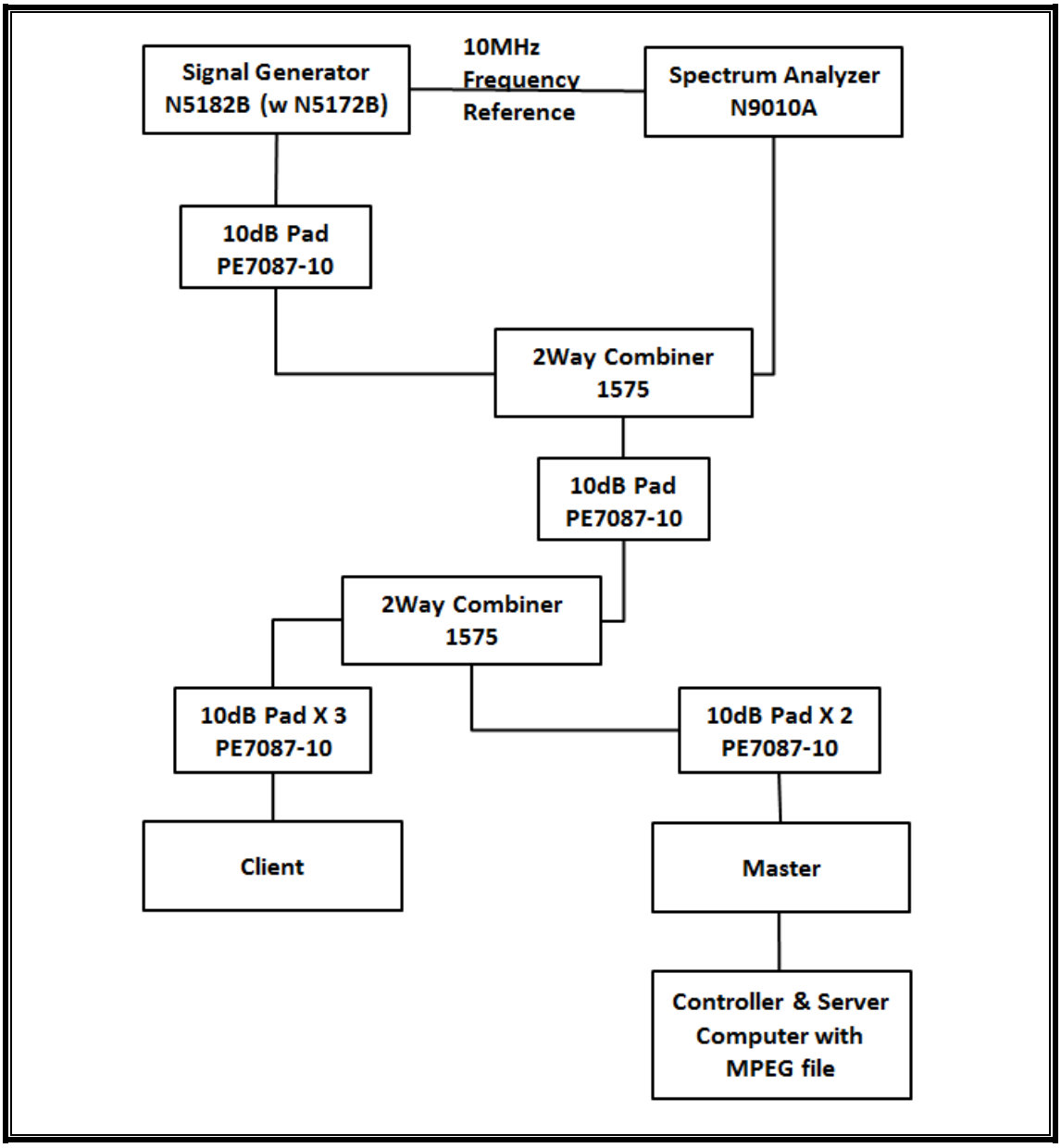
Radar Waveform Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 7 – Frequency Hopping Radar Test Signal

Radar Waveform Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	0.333	300	70%	30

14.1.1. TEST AND MEASUREMENT SYSTEM

CONDUCTED METHOD SYSTEM BLOCK DIAGRAM



SYSTEM OVERVIEW

The short pulse and long pulse signal generating system utilizes the Keysite Signal Studio for Pulse Building as N5172B. The Vector Signal Generator has been validated by the NTIA. The hopping signal generating system utilizes the CCS simulated hopping method and system, which has been validated by the DoD, FCC and NTIA. The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution.

The short pulse types 1, 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time.

The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of KDB 905462 D02. The frequency of the signal generator is incremented in 1 MHz steps from F_L to F_H for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold.

SYSTEM CALIBRATION

A 50-ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to a horn antenna via a coaxial cable, with the reference level offset set to (horn antenna gain – coaxial cable loss). The signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of –64 dBm as measured on the spectrum analyzer.

Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. The Reference Level Offset of the spectrum analyzer is adjusted so that the displayed amplitude of the signal is –64 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of –64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

ADJUSTMENT OF DISPLAYED TRAFFIC LEVEL

A link is established between the Master and Slave and the distance between the units is adjusted as needed to provide a suitable received level at the Master and Slave devices. The video test file is streamed to generate WLAN traffic. The monitoring antenna is adjusted so that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold.

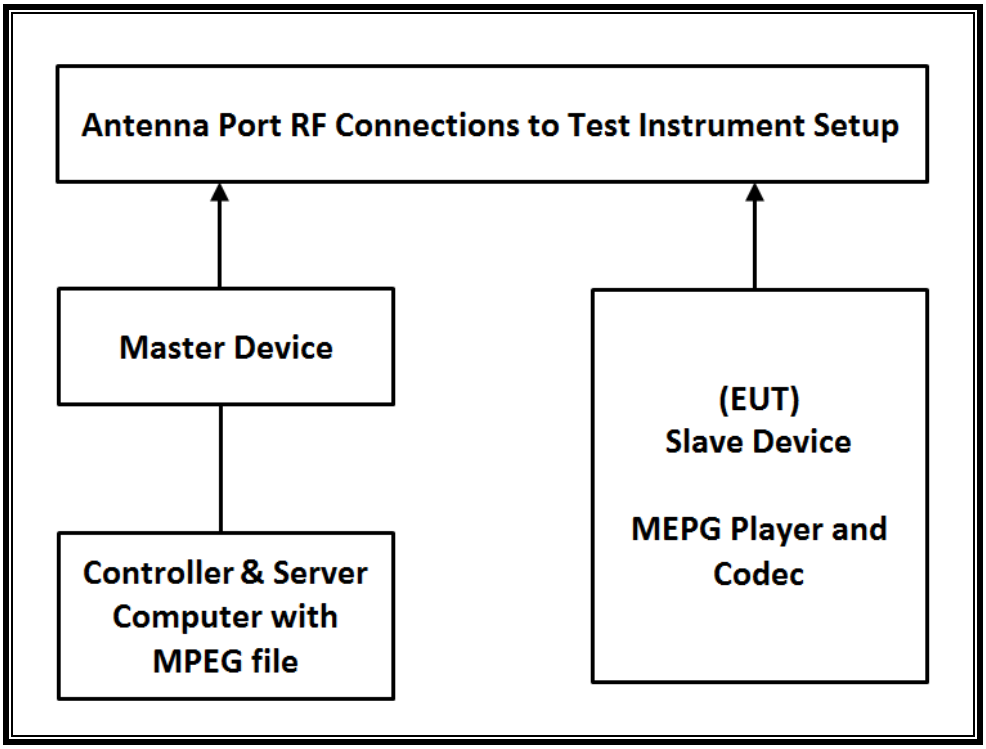
TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the DFS tests documented in this report:

TEST EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**S/N**	**Cal Due**
Spectrum Analyzer, 7 GHz	Agilent / HP	N9010A	MY54200580	08-07-18
Vector Signal Generator, 6GHz	Agilent / HP	N5182B	MY53051241	08-07-18

SETUP OF EUT

CONDUCTED METHOD EUT TEST SETUP



SUPPORT EQUIPMENT

The following support equipment was utilized for the DFS tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
Wireless Access Point	Cisco	AIR-CAP3702E-A-K9	FTX182276QX	LDK102087
PC (Controller/Server)	HP	HP EliteDesk 800 G1 TWR	CZC4125J25	DoC

14.1.2. DESCRIPTION OF EUT

The EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges.

The EUT is a Slave Device without Radar Detection.

The highest power level within these bands is 10.01 dBm in the 5250-5350 MHz band and 13.15 dBm in the 5470-5725 MHz band.

The antenna gain assembly utilized with the EUT are -2.01 dBi in the 5250-5350 MHz band and -1.41 dBi in the 5470-5725 MHz band.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is –64 dBm. After correction for procedural adjustments, the required conducted threshold at the antenna port is –64 + 1 = -63 dBm.

The calibrated radiated DFS Detection Threshold level is set to –64 dBm. The tested level is lower than the required level hence it provides a margin to the limit.

The EUT uses one transmitter/receiver chain connected to an antenna to perform radiated tests.

WLAN traffic that meets or exceeds the minimum required loading was generated by transferring a data stream from the controller/server PC to the EUT using iPerf version 2.0.5 software package.

TPC is not required since the maximum EIRP is less than 500 mW (27 dBm).

The EUT utilizes the 802.11a/n architecture. Three nominal channel bandwidths are implemented: 20 MHz, 40 MHz.

The software installed in the access point is 12.4(25d)JA1.

UNIFORM CHANNEL SPREADING

This requirement is not applicable to Slave radio devices.

OVERVIEW OF MASTER DEVICE WITH RESPECT TO §15.407 (h) REQUIREMENTS

The Master Device is a Cisco Access Point, FCC ID: LDK102087. The minimum antenna gain for the Master Device is 6 dBi.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is –64 dBm. After correction for procedural adjustments, the required radiated threshold at the antenna port is –64 + 1 = -63 dBm.

The calibrated radiated DFS Detection Threshold level is set to –64 dBm. The tested level is lower than the required level hence it provides a margin to the limit.

14.2. RESULTS FOR 20 MHz BANDWIDTH

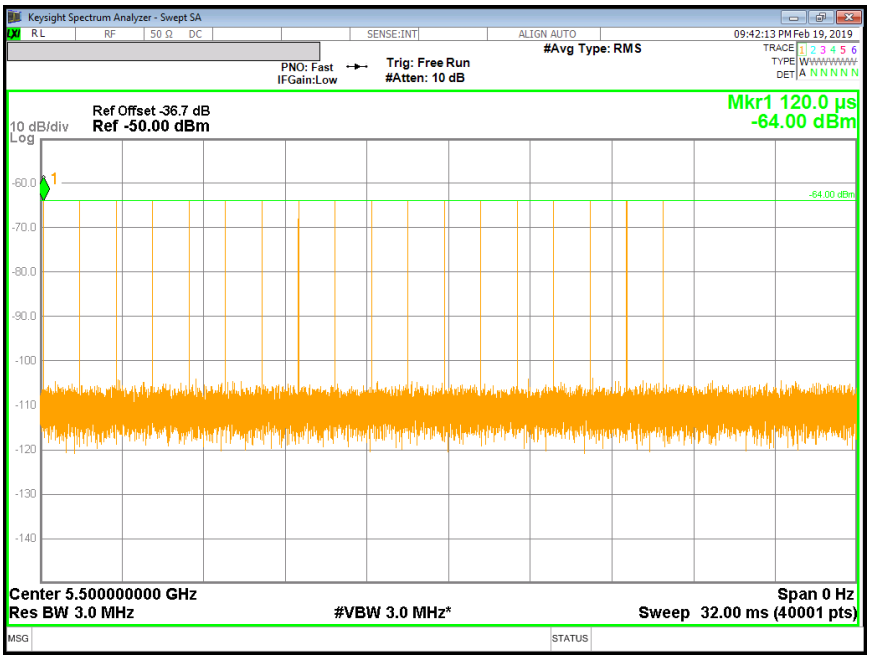
14.2.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5500 MHz.

14.2.2. RADAR WAVEFORM AND TRAFFIC

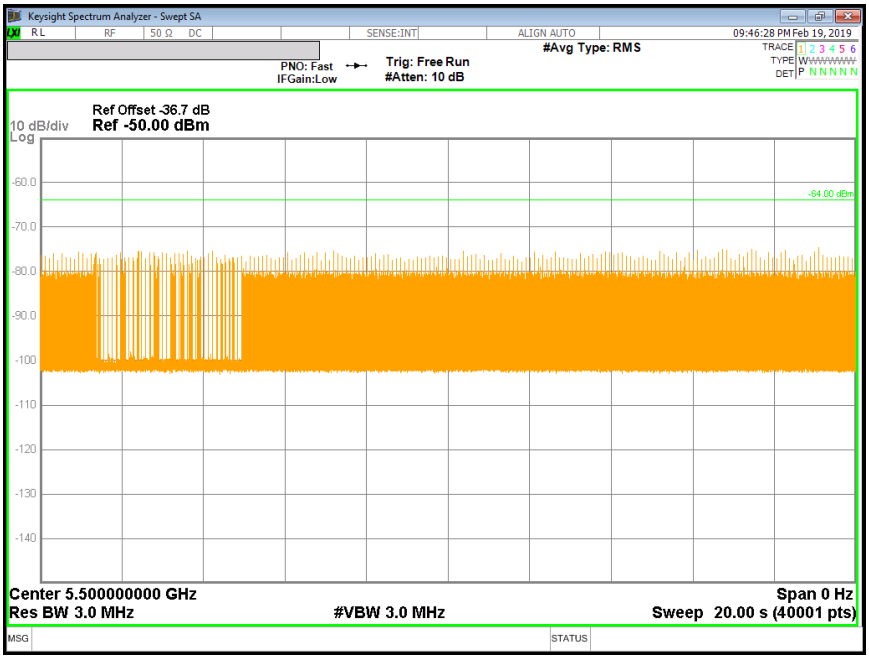
RADAR WAVEFORM

SHORT PULSE RADAR TYPE 0 AT MASTER



TRAFFIC

SLAVE TRAFFIC



OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

14.2.3. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time (sec)	Limit (sec)
0.719	10

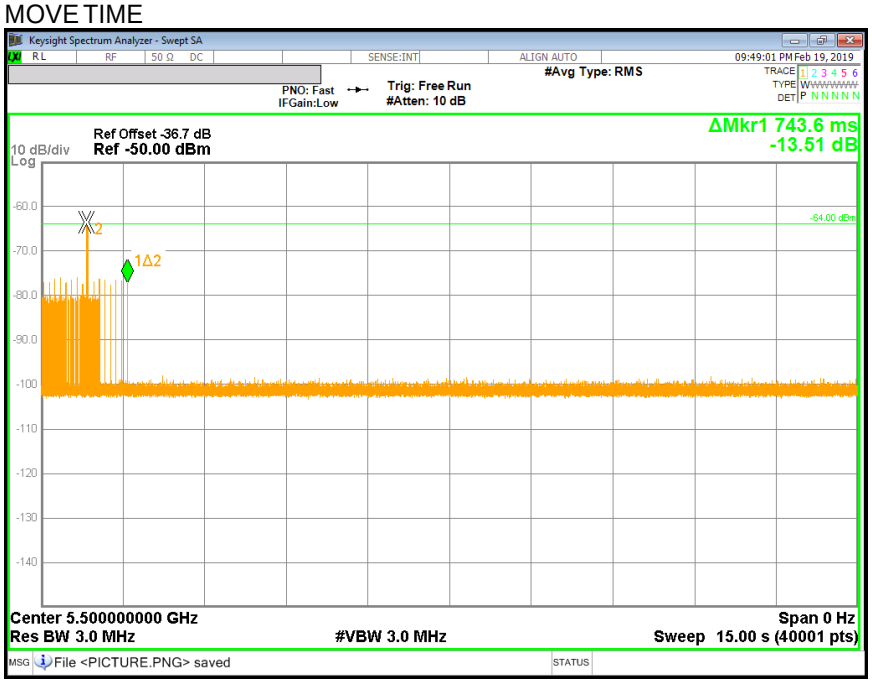
Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
2.250	60

MOVE TIME & CHANNEL CLOSING TIME

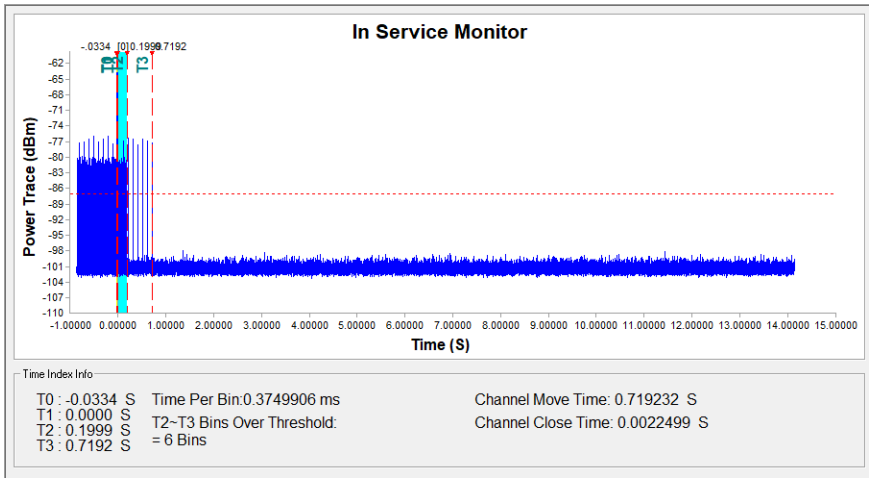
AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.

MOVE TIME



MOVE TIME & AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

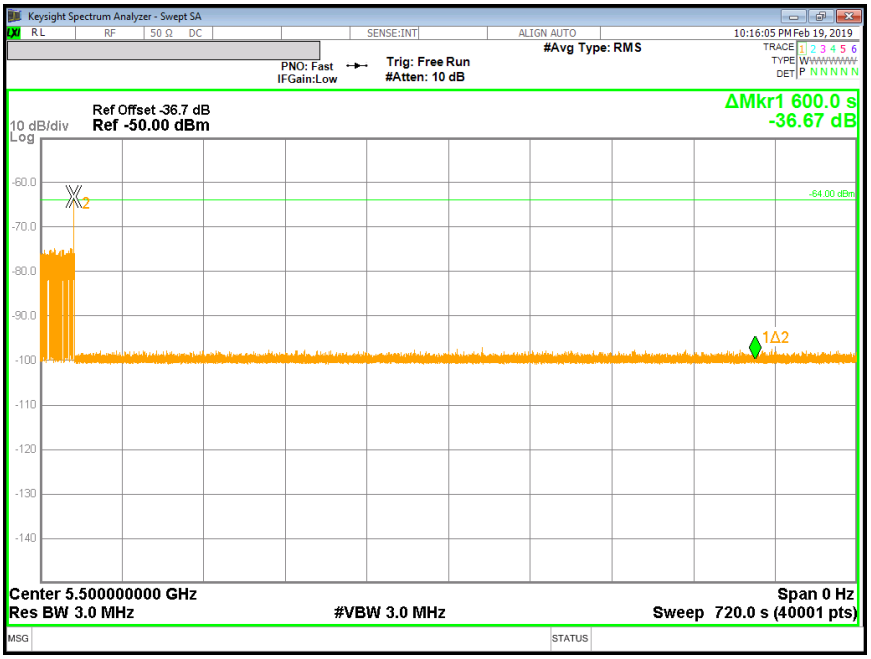


NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 10-minute observation time.

10-MINUTE BEACON MONITORING PERIOD



14.3. RESULTS FOR 40 MHz BANDWIDTH

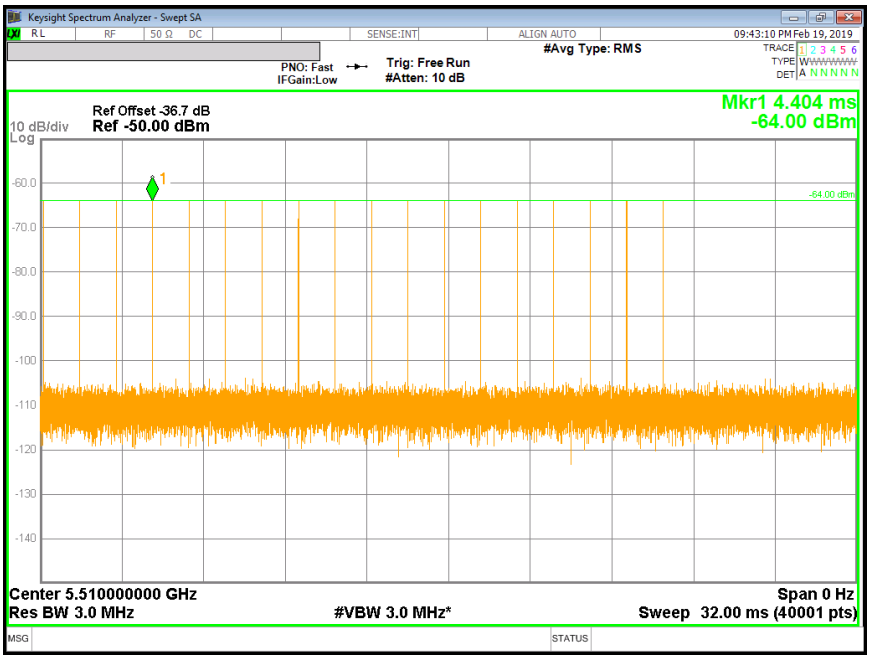
14.3.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5510 MHz.

14.3.2. RADAR WAVEFORM AND TRAFFIC

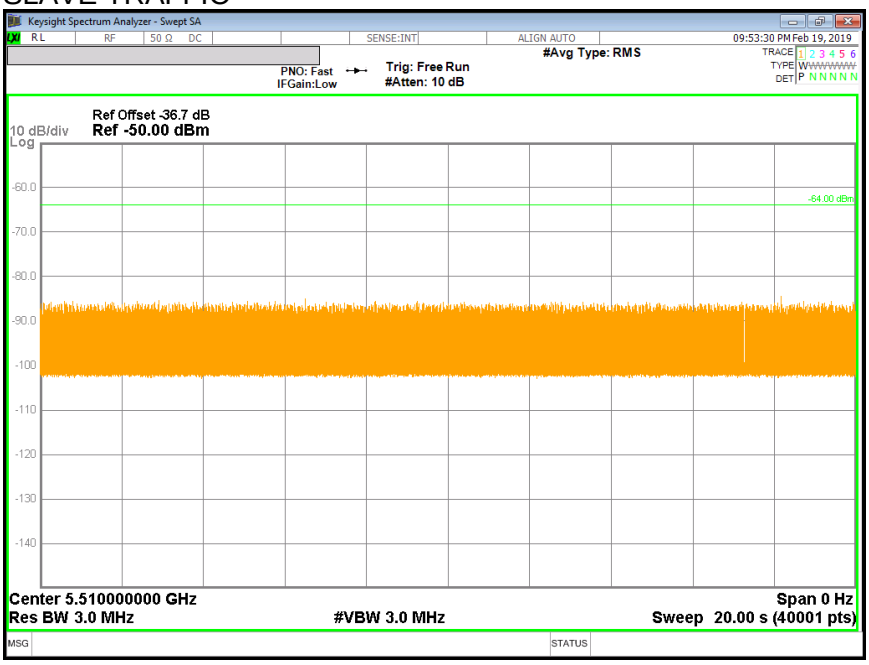
RADAR WAVEFORM

SHORT PULSE RADAR TYPE 0 AT MASTER



TRAFFIC

SLAVE TRAFFIC



14.3.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

14.3.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time (sec)	Limit (sec)
0.762	10

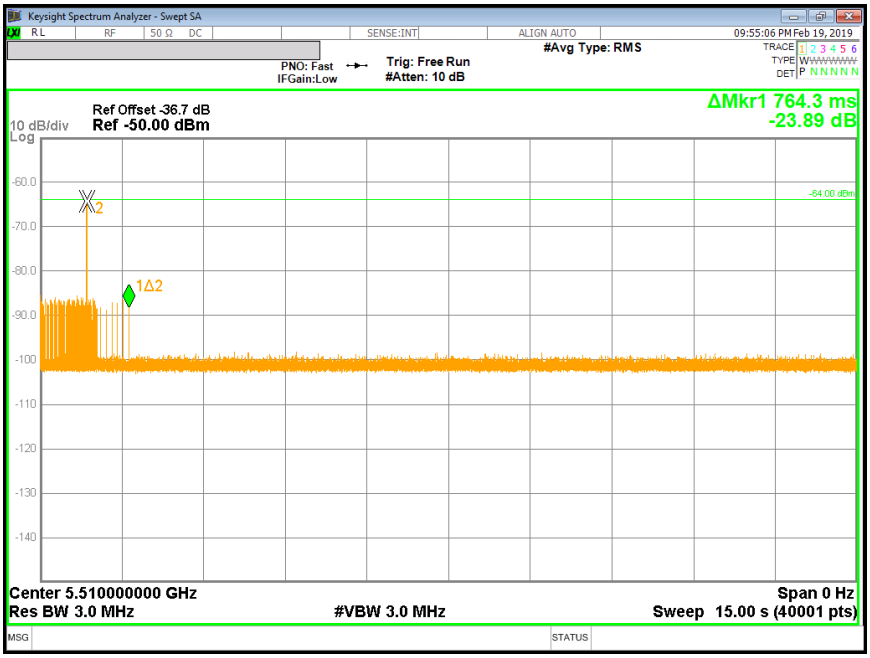
Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
3.750	60

MOVE TIME & CHANNEL CLOSING TIME

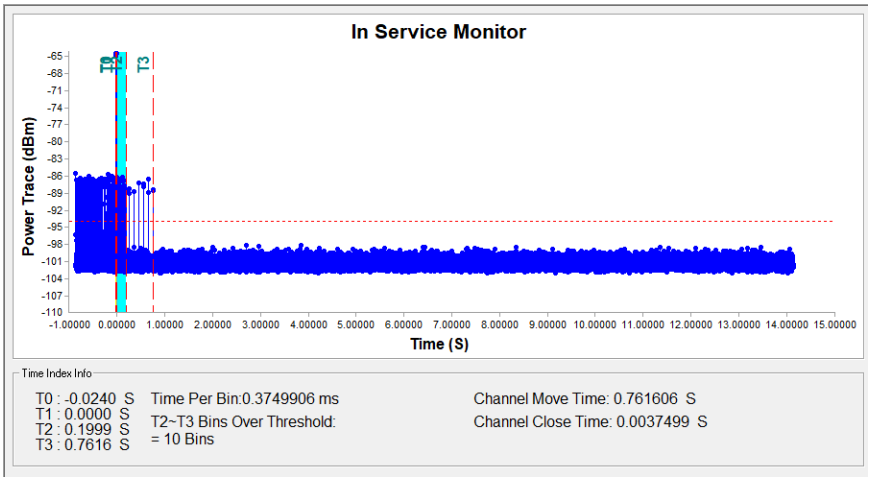
AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.

MOVE TIME



MOVE TIME & AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

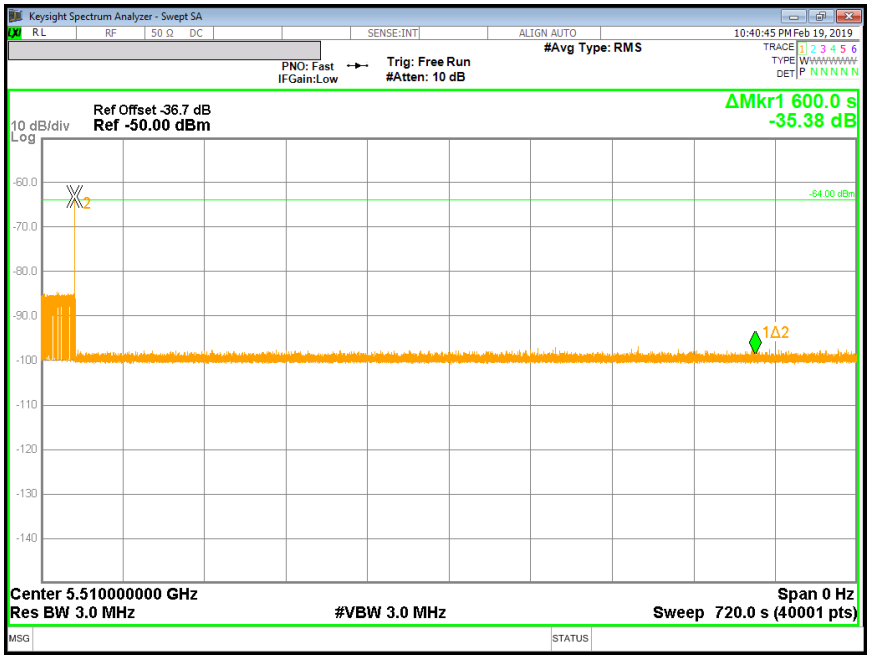


NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 10-minute observation time.

10-MINUTE BEACON MONITORING PERIOD



14.4. RESULTS FOR 80 MHz BANDWIDTH

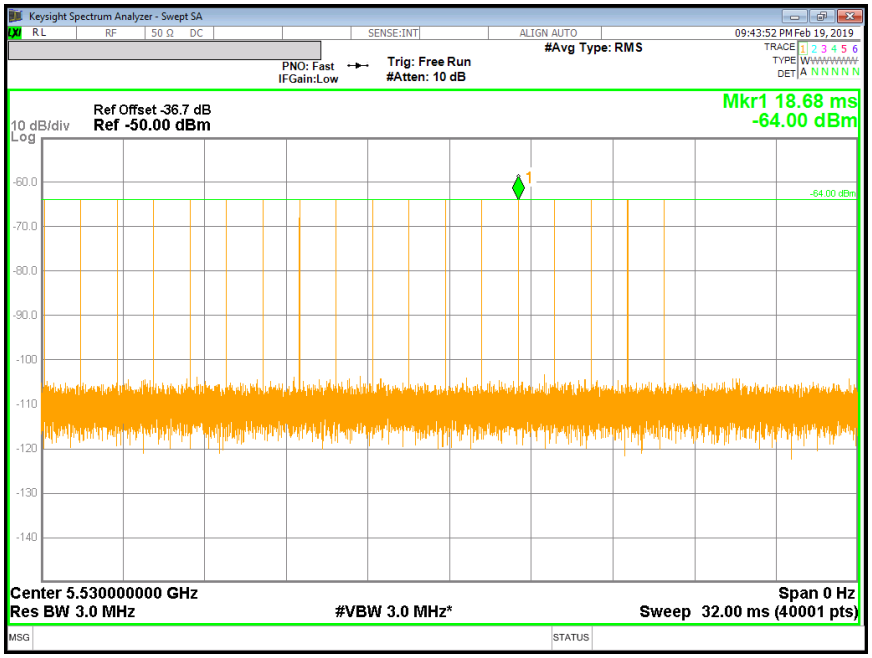
14.4.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5530 MHz.

14.4.2. RADAR WAVEFORM AND TRAFFIC

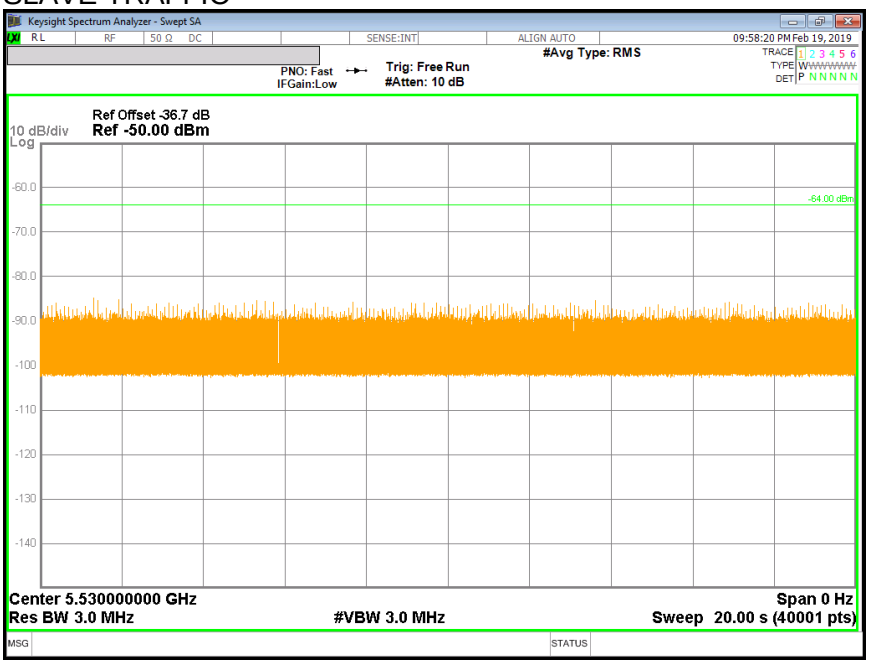
RADAR WAVEFORM

SHORT PULSE RADAR TYPE 0 AT MASTER



TRAFFIC

SLAVE TRAFFIC



14.4.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

14.4.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time (sec)	Limit (sec)
0.799	10

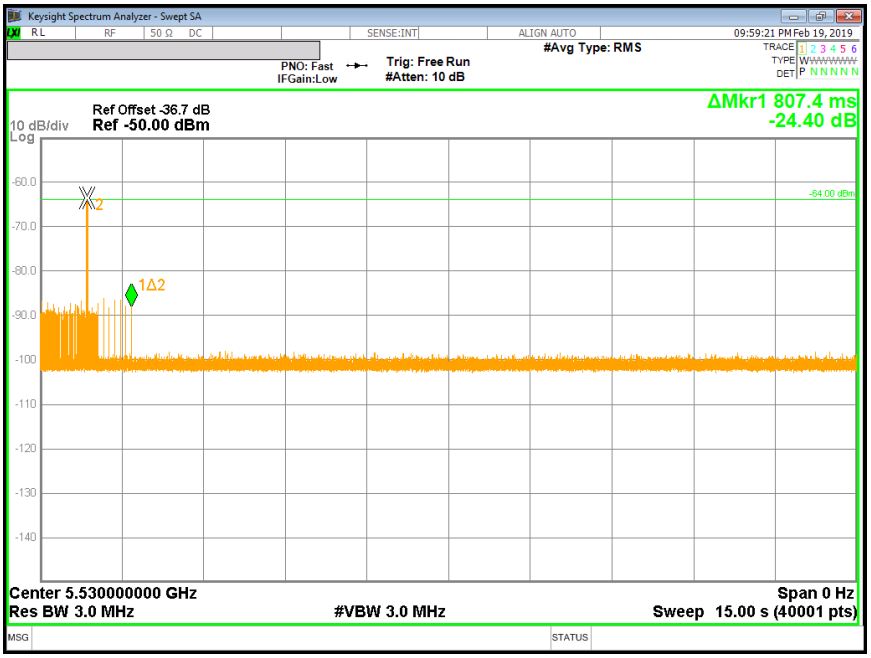
Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
4.500	60

MOVE TIME & CHANNEL CLOSING TIME

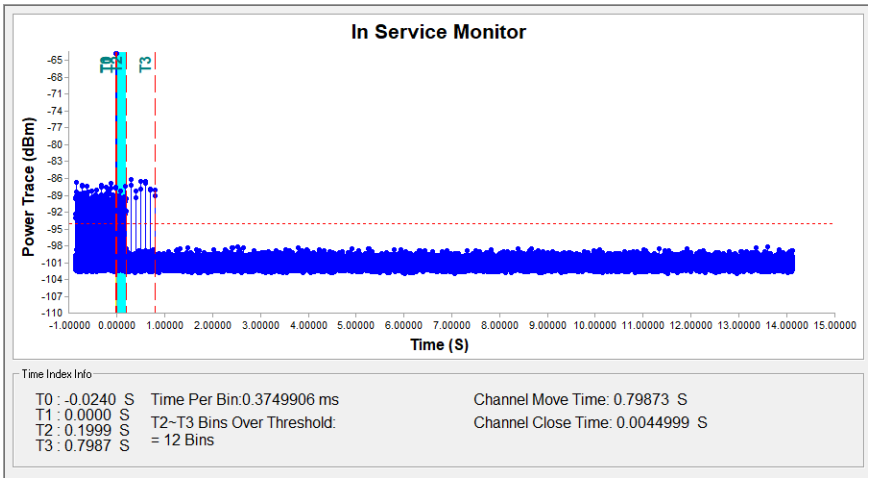
AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.

MOVE TIME



MOVE TIME & AGGREGATE CHANNEL CLOSING TRANSMISSION TIME



NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 10-minute observation time.

10-MINUTE BEACON MONITORING PERIOD