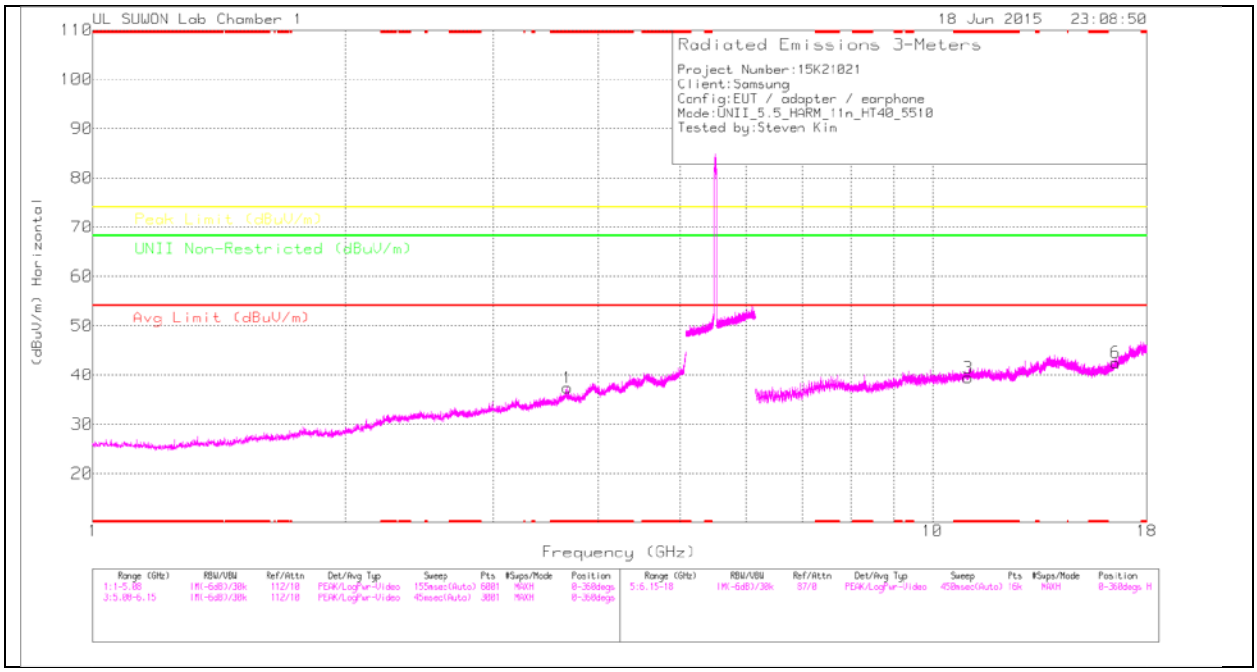
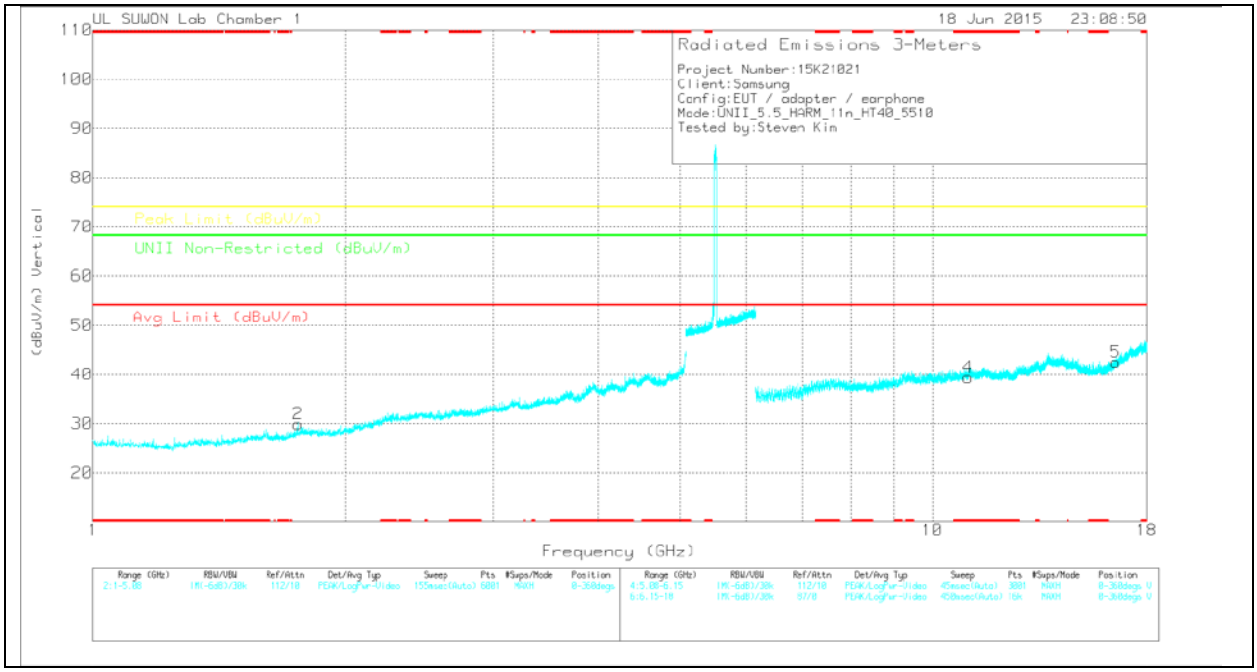
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

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TEL: (031) 337-9902 FAX: (031) 213-5433

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.674	36.98	PK	30.1	-29.7	0	37.38	-	-	74	-36.62	-	-	0-360	100	H
2	1.752	37.51	PK	25.2	-32.8	0	29.91	-	-	-	-	68.2	-38.29	0-360	100	V
3	* 11.021	21.91	PK	38.4	-20.9	0	39.41	-	-	74	-34.59	-	-	0-360	200	H
6	16.531	20.21	PK	39.6	-17.3	0	42.51	-	-	-	-	68.2	-25.69	0-360	200	H
4	* 11.021	21.88	PK	38.4	-20.9	0	39.38	-	-	74	-34.62	-	-	0-360	200	V
5	16.531	20.21	PK	39.6	-17.3	0	42.51	-	-	-	-	68.2	-25.69	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.673	43.96	PK1	30.1	-29.7	0	44.36	-	-	74	-29.64	-	-	358	100	H
* 3.673	32.24	AD1	30.1	-29.7	0	32.64	54	-21.36	-	-	-	-	358	100	H
1.752	42.66	PK1	25.2	-32.8	0	35.06	-	-	-	-	68.2	-33.14	280	212	V
1.752	31.26	AD1	25.2	-32.8	0	23.66	-	-	-	-	-	-	280	212	V
* 11.019	21.53	AD1	38.4	-20.9	.63	39.66	54	-14.34	-	-	-	-	311	225	H
16.53	16.89	AD1	39.6	-17.3	.63	39.82	-	-	-	-	-	-	221	199	H
* 11.019	20.62	AD1	38.4	-20.9	.63	38.75	54	-15.25	-	-	-	-	201	272	V
16.53	19.41	AD1	39.6	-17.3	.63	42.34	-	-	-	-	-	-	279	139	V
* 11.022	32.57	PK1	38.4	-20.9	0	50.07	-	-	74	-23.93	-	-	311	225	H
16.53	30.37	PK1	39.6	-17.3	0	52.67	-	-	-	-	68.2	-15.53	221	199	H
* 11.022	32.9	PK1	38.4	-20.9	0	50.4	-	-	74	-23.6	-	-	201	272	V
16.532	30.89	PK1	39.6	-17.3	0	53.19	-	-	-	-	68.2	-15.01	279	139	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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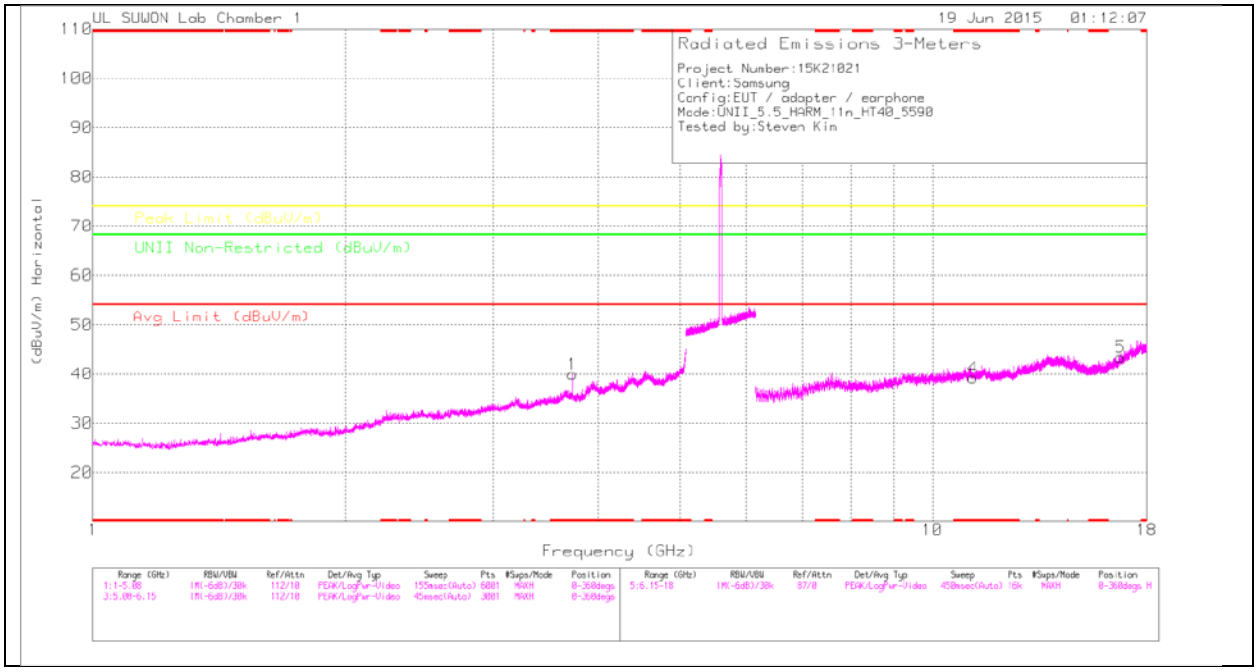
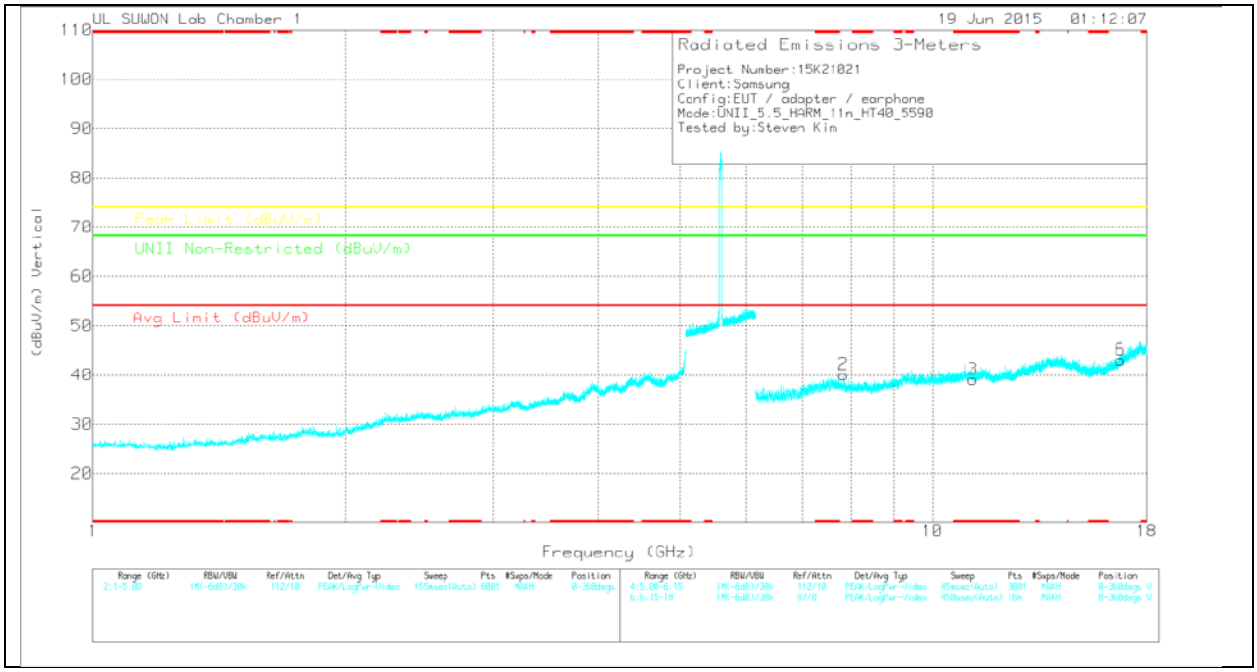
MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.727	40.04	PK	30.2	-30.3	0	39.94	-	-	74	-34.06	-	-	0-360	100	H
4	* 11.18	21.54	PK	38.5	-20.9	0	39.14	-	-	74	-34.86	-	-	0-360	200	H
5	16.77	20.18	PK	40.1	-16.9	0	43.38	-	-	-	-	68.2	-24.82	0-360	100	H
2	7.839	26.92	PK	37.1	-23.9	0	40.12	-	-	-	-	68.2	-28.08	0-360	200	V
3	* 11.18	21.5	PK	38.5	-20.9	0	39.1	-	-	74	-34.9	-	-	0-360	100	V
6	16.769	19.85	PK	40.1	-16.9	0	43.05	-	-	-	-	68.2	-25.15	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.727	46.42	PK1	30.2	-30.3	0	46.32	-	-	74	-27.68	-	-	303	112	H
* 3.727	36.99	AD1	30.2	-30.3	0	36.89	54	-17.11	-	-	-	-	303	112	H
16.77	18.39	AD1	40.1	-16.9	.63	42.22	-	-	-	-	-	-	321	100	H
* 11.182	17.48	AD1	38.5	-20.9	.63	35.71	54	-18.29	-	-	-	-	299	317	H
16.77	18.89	AD1	40.1	-16.9	.63	42.72	-	-	-	-	-	-	357	200	V
* 11.179	22.22	AD1	38.5	-20.9	.63	40.45	54	-13.55	-	-	-	-	266	112	V
7.84	23.31	AD1	37.1	-23.9	0	36.51	-	-	-	-	-	-	273	231	V
16.772	30.82	PK1	40.2	-16.9	0	54.12	-	-	-	-	68.2	-14.08	321	100	H
* 11.179	33.49	PK1	38.5	-20.9	0	51.09	-	-	74	-22.91	-	-	299	317	H
16.768	30.95	PK1	40.1	-16.9	0	54.15	-	-	-	-	68.2	-14.05	357	200	V
* 11.181	33.07	PK1	38.5	-20.9	0	50.67	-	-	74	-23.33	-	-	266	112	V
7.841	35.85	PK1	37.1	-23.9	0	49.05	-	-	-	-	68.2	-19.15	273	231	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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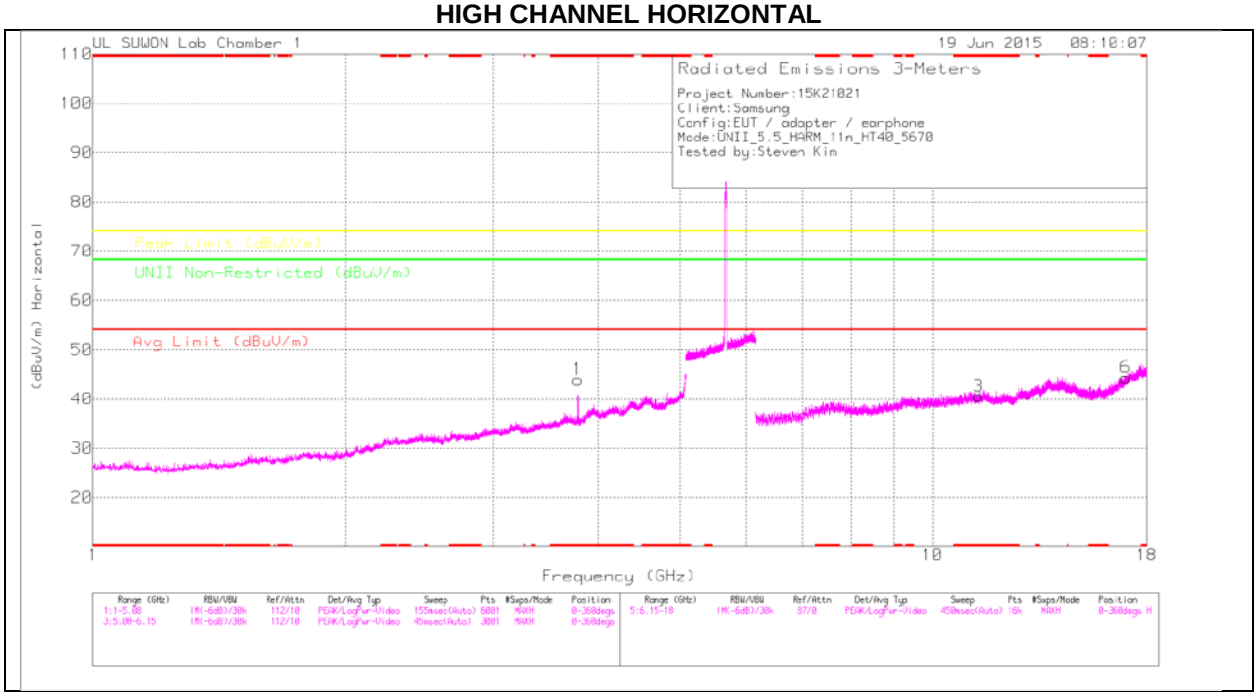
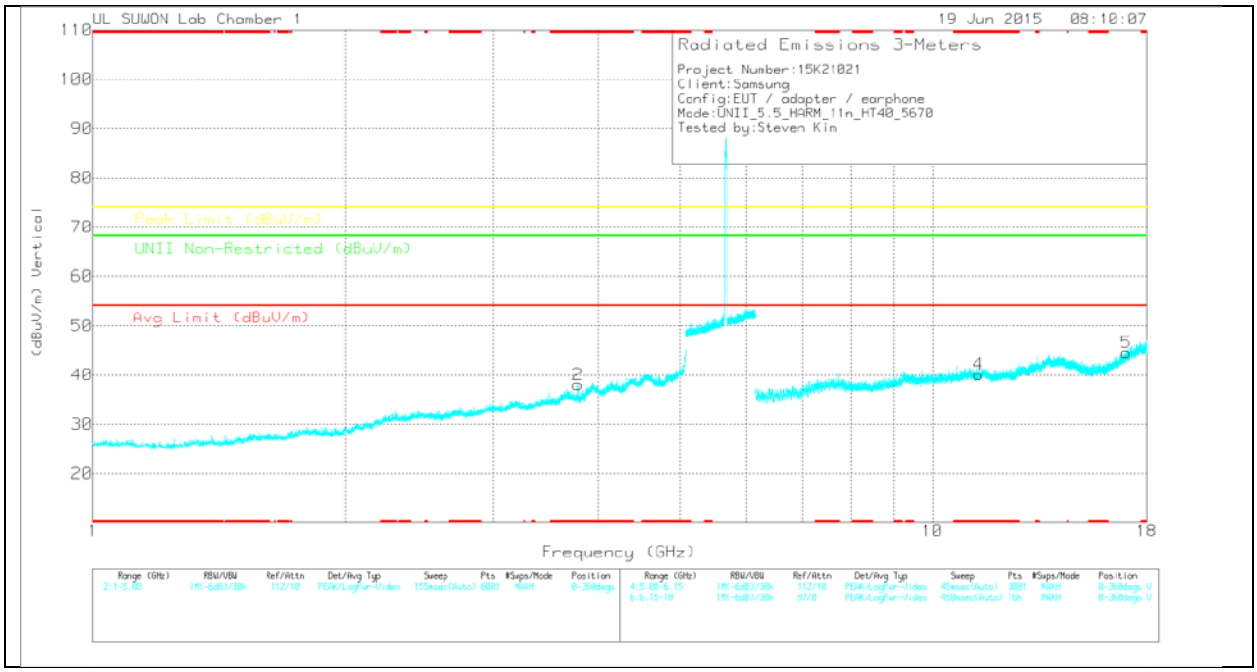
TEL: (031) 337-9902 FAX: (031) 213-5433

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

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HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.78	41.14	PK	30.3	-30.6	0	40.84	-	-	74	-33.16	-	-	0-360	100	H
2	* 3.78	38.34	PK	30.3	-30.6	0	38.04	-	-	74	-35.96	-	-	0-360	200	V
3	* 11.353	22.58	PK	38.5	-20.5	0	40.58	-	-	74	-33.42	-	-	0-360	200	H
6	17.009	19.74	PK	40.7	-16.1	0	44.34	-	-	-	-	68.2	-23.86	0-360	200	H
4	* 11.347	22.01	PK	38.5	-20.4	0	40.11	-	-	74	-33.89	-	-	0-360	200	V
5	17.015	19.9	PK	40.7	-16.1	0	44.5	-	-	-	-	68.2	-23.7	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.78	47.23	PK1	30.3	-30.6	0	46.93	-	-	74	-27.07	-	-	336	100	H
* 3.78	39.55	AD1	30.3	-30.6	0	39.25	54	-14.75	-	-	-	-	336	100	H
* 3.78	46.33	PK1	30.3	-30.6	0	46.03	-	-	74	-27.97	-	-	283	356	V
* 3.78	38.79	AD1	30.3	-30.6	0	38.49	54	-15.51	-	-	-	-	283	356	V
* 11.351	20.6	AD1	38.5	-20.4	.63	39.33	54	-14.67	-	-	-	-	38	293	H
17.008	17.16	AD1	40.7	-16.1	.63	42.39	-	-	-	-	-	-	85	362	H
* 11.348	20.02	AD1	38.5	-20.4	.63	38.75	54	-15.25	-	-	-	-	56	252	V
17.014	17.05	AD1	40.7	-16.1	.63	42.28	-	-	-	-	-	-	151	271	V
* 11.353	33.07	PK1	38.5	-20.5	0	51.07	-	-	74	-22.93	-	-	38	293	H
17.009	29.51	PK1	40.7	-16.1	0	54.11	-	-	-	-	68.2	-14.09	85	362	H
* 11.347	32.79	PK1	38.5	-20.4	0	50.89	-	-	74	-23.11	-	-	56	252	V
17.014	30.03	PK1	40.7	-16.1	0	54.63	-	-	-	-	68.2	-13.57	151	271	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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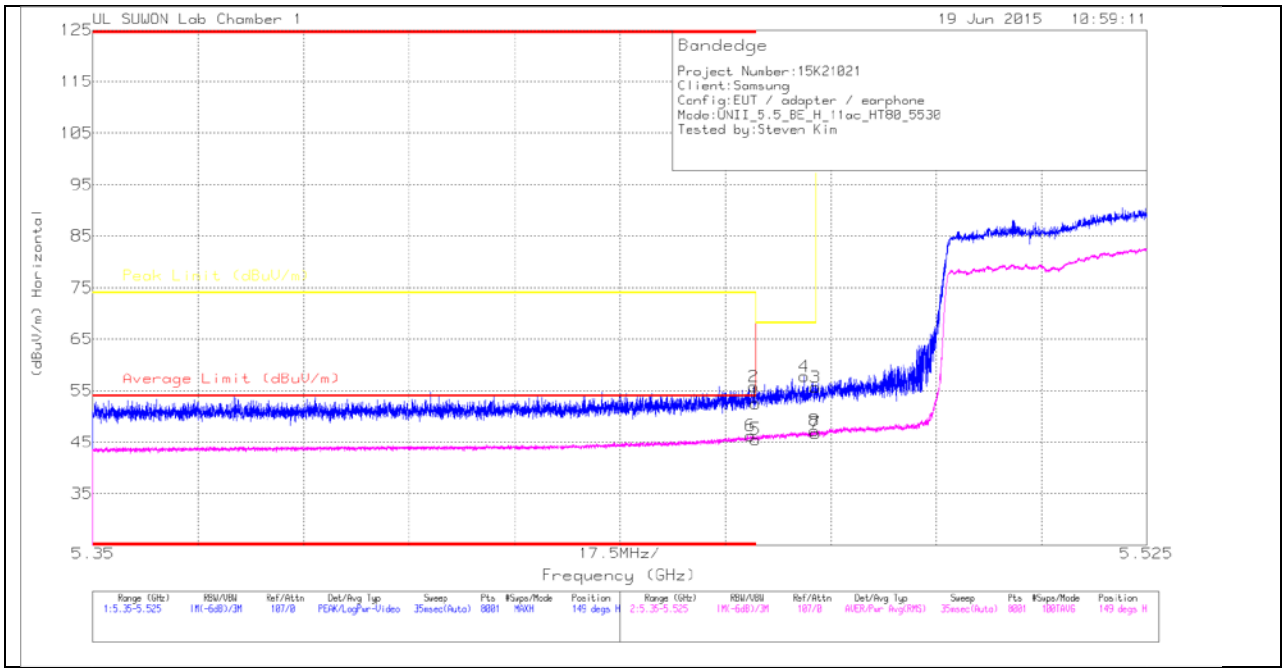
11.3.4. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	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	38.06	Pk	33.7	-19.2	0	52.56	-	-	74	-21.44	149	313	H
2	* 5.46	41.3	Pk	33.7	-19.2	0	55.8	-	-	74	-18.2	149	313	H
3	5.47	41.16	Pk	33.7	-19.2	0	55.66	-	-	68.2	-12.54	149	313	H
4	5.468	43.23	Pk	33.7	-19.2	0	57.73	-	-	68.2	-10.47	149	313	H
5	* 5.46	29.87	RMS	33.7	-19.2	1.18	45.55	54	-8.45	-	-	149	313	H
6	* 5.459	30.59	RMS	33.7	-19.2	1.18	46.27	54	-7.73	-	-	149	313	H
7	5.47	31.06	RMS	33.7	-19.2	1.18	46.74	-	-	-	-	149	313	H
8	5.47	31.52	RMS	33.7	-19.2	1.18	47.2	-	-	-	-	149	313	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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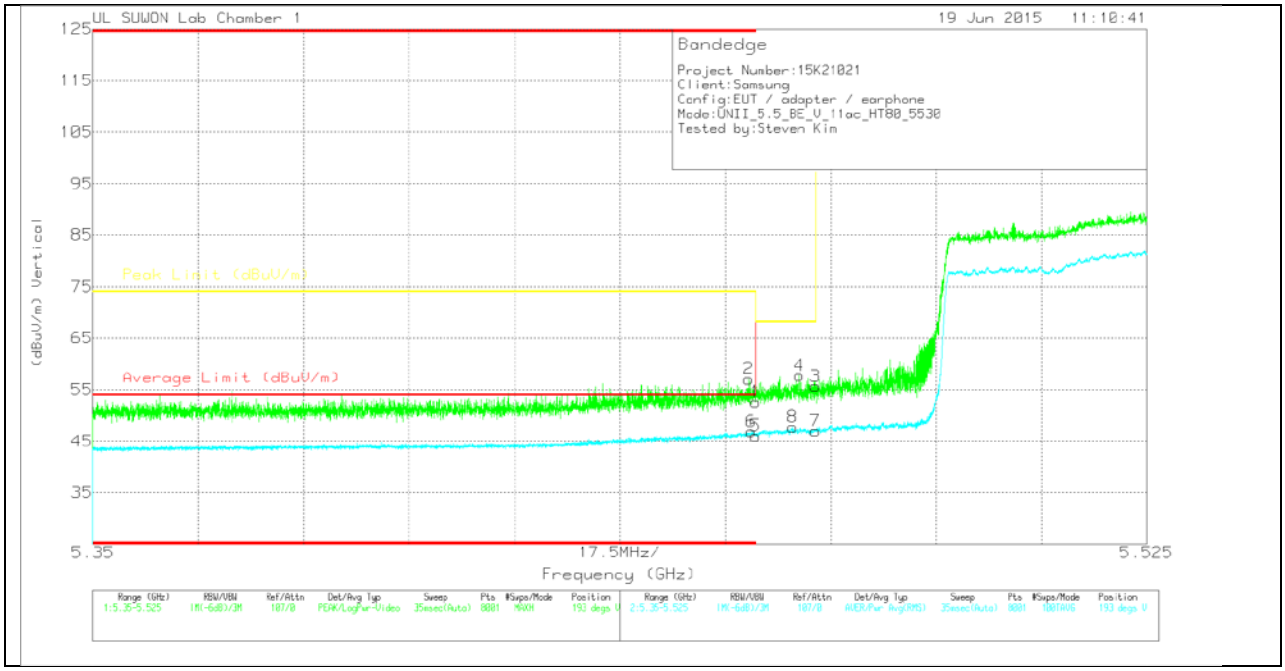
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	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	38.14	Pk	33.7	-19.2	0	52.64	-	-	74	-21.36	193	104	V
2	* 5.459	42.57	Pk	33.7	-19.2	0	57.07	-	-	74	-16.93	193	104	V
3	5.47	41.14	Pk	33.7	-19.2	0	55.64	-	-	68.2	-12.56	193	104	V
4	5.467	43.24	Pk	33.7	-19.2	0	57.74	-	-	68.2	-10.46	193	104	V
5	* 5.46	30.37	RMS	33.7	-19.2	1.18	46.05	54	-7.95	-	-	193	104	V
6	* 5.459	31.15	RMS	33.7	-19.2	1.18	46.83	54	-7.17	-	-	193	104	V
7	5.47	31.33	RMS	33.7	-19.2	1.18	47.01	-	-	-	-	193	104	V
8	5.466	32.07	RMS	33.7	-19.2	1.18	47.75	-	-	-	-	193	104	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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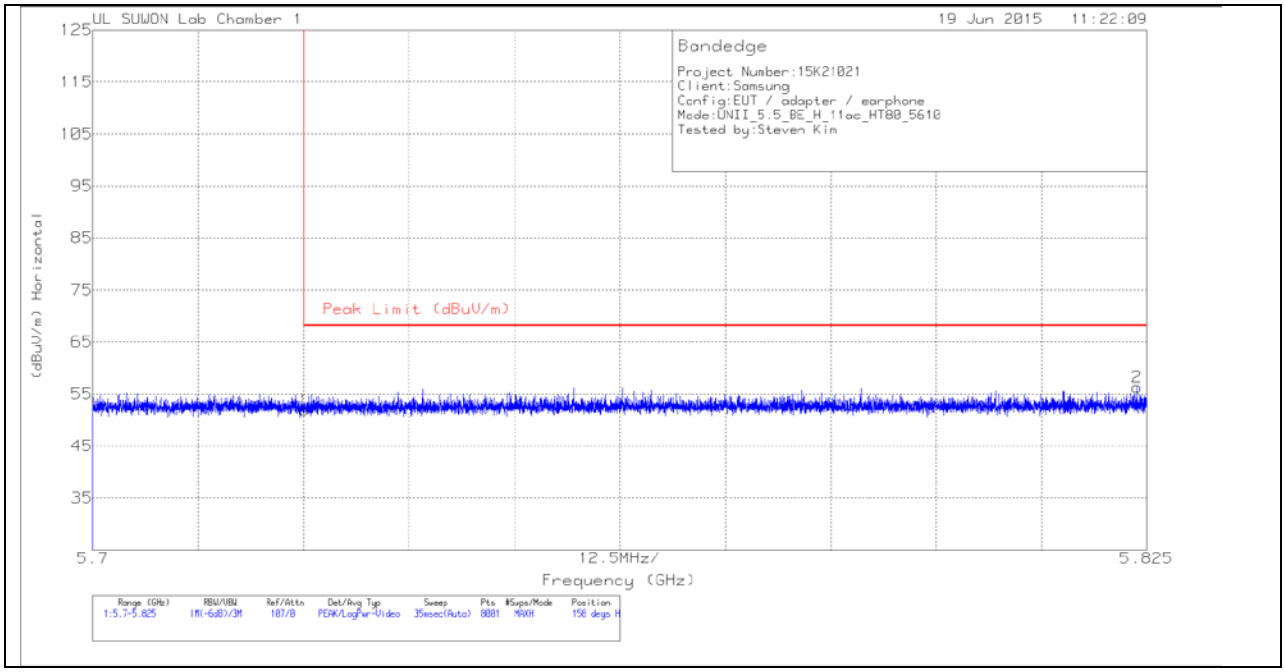
AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.34	Pk	34.3	-18.8	0	51.84	68.2	-16.36	158	336	H
2	5.824	40.59	Pk	34.6	-18.9	0	56.29	68.2	-11.91	158	336	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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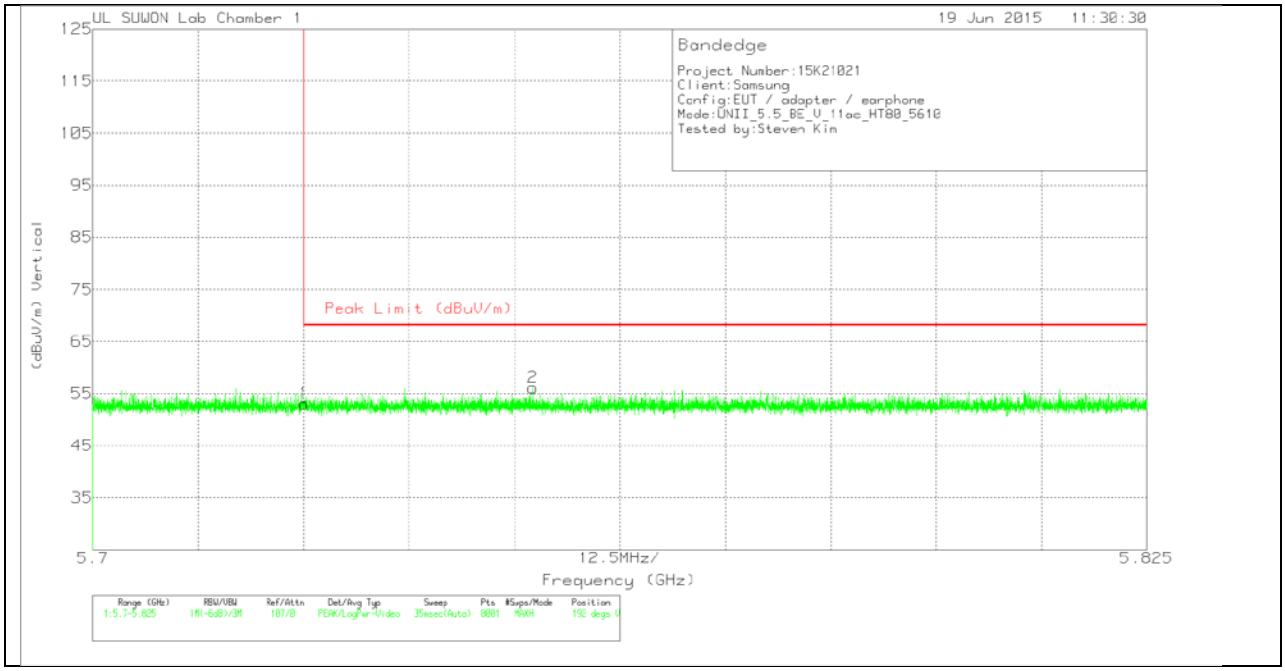
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.61	Pk	34.3	-18.8	0	53.11	68.2	-15.09	192	233	V
2	5.752	40.43	Pk	34.4	-18.7	0	56.13	68.2	-12.07	192	233	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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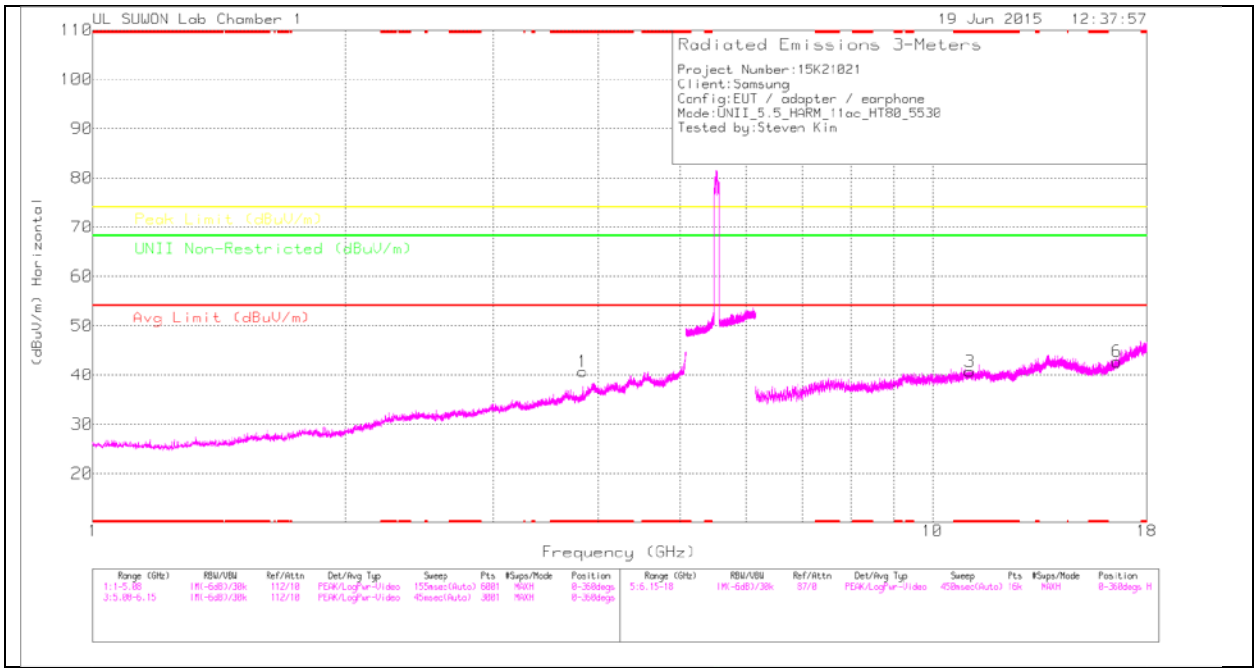
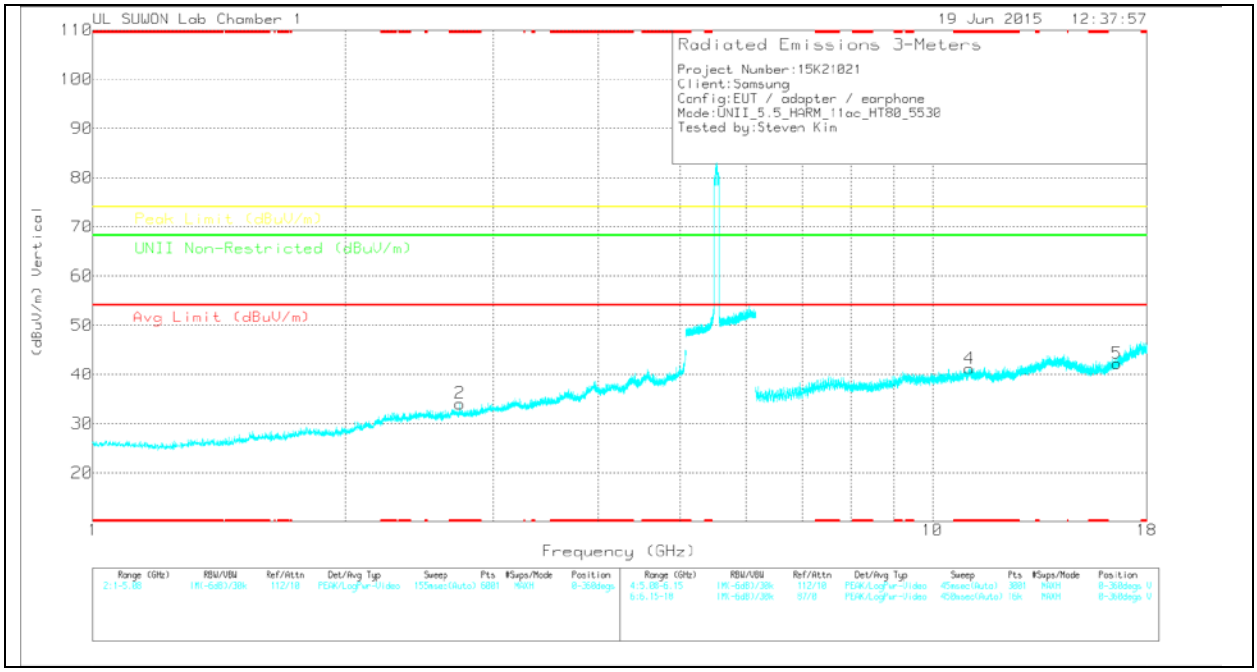
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

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LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.832	37.48	Pk	30.4	-30.3	0	37.58	-	-	74	-36.42	-	-	0-360	100	H
2	* 2.735	37.22	Pk	27.9	-31	0	34.12	-	-	74	-39.88	-	-	0-360	200	V
3	* 11.072	23	Pk	38.4	-20.7	0	40.7	-	-	74	-33.3	-	-	0-360	200	H
6	16.591	20.4	Pk	39.7	-17.4	0	42.7	-	-	-	-	68.2	-25.5	0-360	100	H
4	* 11.067	23.5	Pk	38.4	-20.7	0	41.2	-	-	74	-32.8	-	-	0-360	100	V
5	16.593	19.92	Pk	39.7	-17.4	0	42.22	-	-	-	-	68.2	-25.98	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

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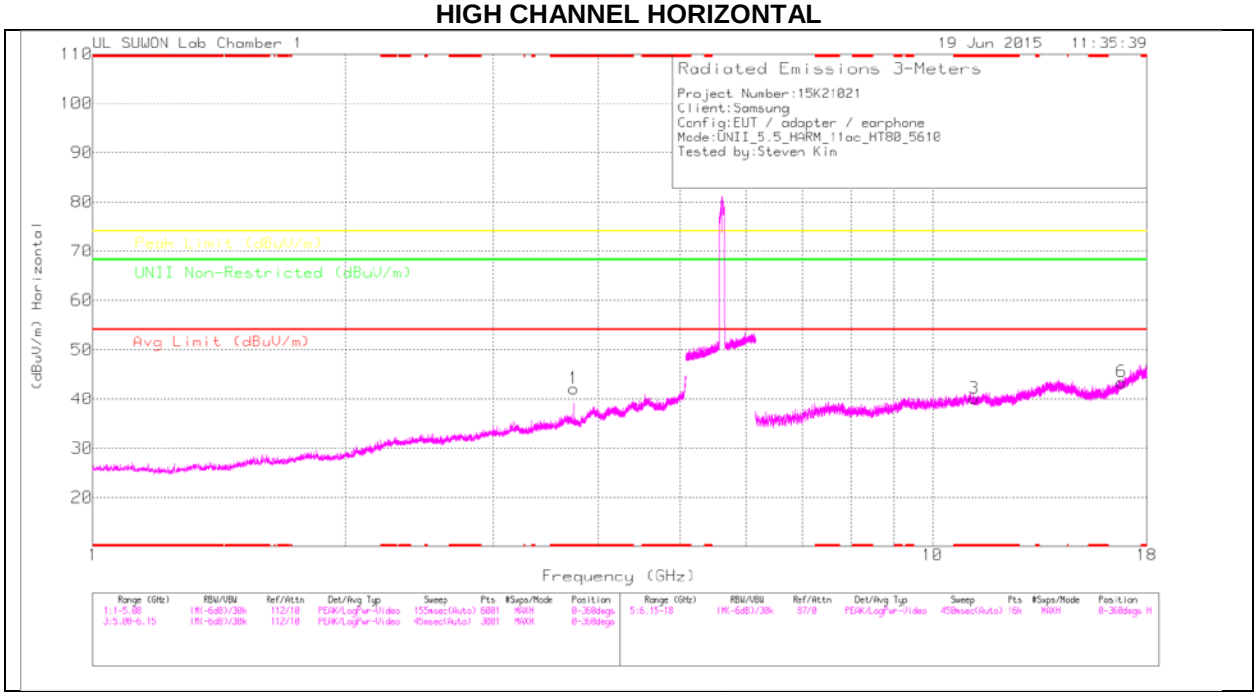
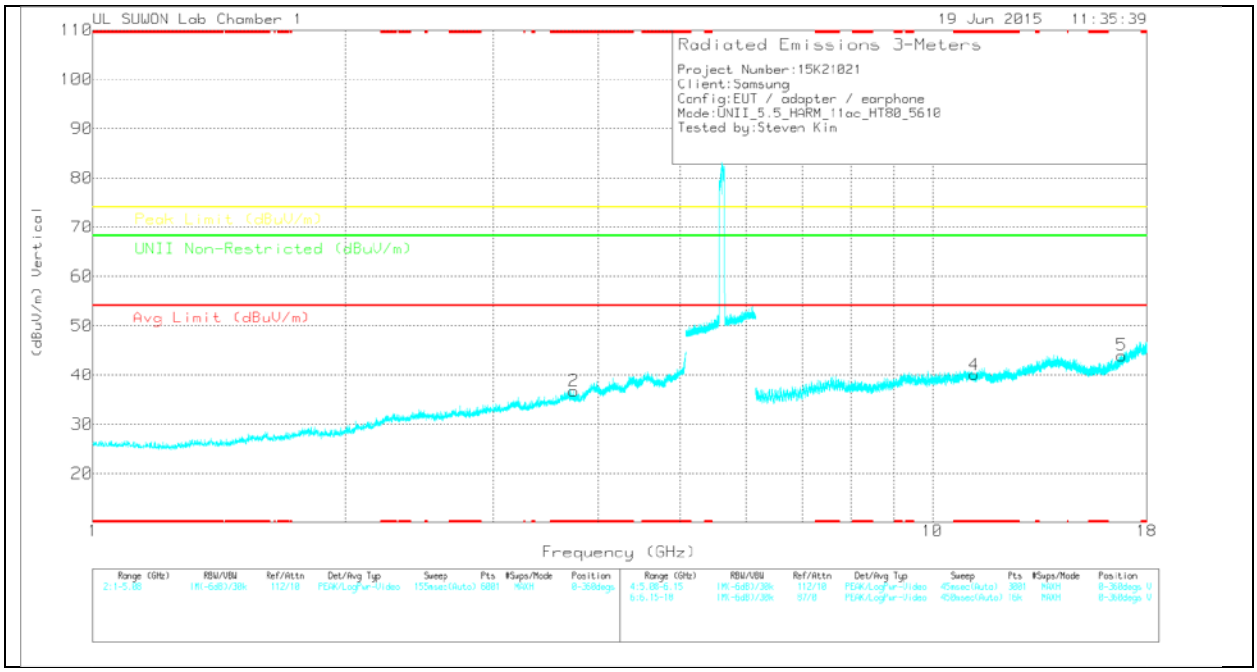
TEL: (031) 337-9902 FAX: (031) 213-5433

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

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TEL: (031) 337-9902 FAX: (031) 213-5433

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.74	39.24	PK	30.3	-30.5	0	39.04	-	-	74	-34.96	-	-	0-360	100	H
2	* 3.74	36.92	PK	30.3	-30.5	0	36.72	-	-	74	-37.28	-	-	0-360	200	V
3	* 11.208	22.43	PK	38.5	-20.8	0	40.13	-	-	74	-33.87	-	-	0-360	100	H
6	16.828	20.05	PK	40.3	-16.9	0	43.45	-	-	-	-	68.2	-24.75	0-360	100	H
4	* 11.212	22.33	PK	38.5	-20.8	0	40.03	-	-	74	-33.97	-	-	0-360	200	V
5	16.822	20.56	PK	40.3	-16.9	0	43.96	-	-	-	-	68.2	-24.24	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.74	45.5	PK1	30.3	-30.5	0	45.3	-	-	74	-28.7	-	-	300	204	H
* 3.74	36.85	AD1	30.3	-30.5	0	36.65	54	-17.35	-	-	-	-	300	204	H
* 3.78	46.33	PK1	30.3	-30.6	0	46.03	-	-	74	-27.97	-	-	283	356	V
* 3.78	38.79	AD1	30.3	-30.6	0	38.49	54	-15.51	-	-	-	-	283	356	V
* 11.351	20.6	AD1	38.5	-20.4	0	38.7	54	-15.3	-	-	-	-	38	293	H
17.008	17.16	AD1	40.7	-16.1	0	41.76	-	-	-	-	-	-	85	362	H
* 11.348	20.02	AD1	38.5	-20.4	0	38.12	54	-15.88	-	-	-	-	56	252	V
17.014	17.05	AD1	40.7	-16.1	0	41.65	-	-	-	-	-	-	151	271	V
* 11.353	33.07	PK1	38.5	-20.5	0	51.07	-	-	74	-22.93	-	-	38	293	H
17.009	29.51	PK1	40.7	-16.1	0	54.11	-	-	-	-	68.2	-14.09	85	362	H
* 11.347	32.79	PK1	38.5	-20.4	0	50.89	-	-	74	-23.11	-	-	56	252	V
17.014	30.03	PK1	40.7	-16.1	0	54.63	-	-	-	-	68.2	-13.57	151	271	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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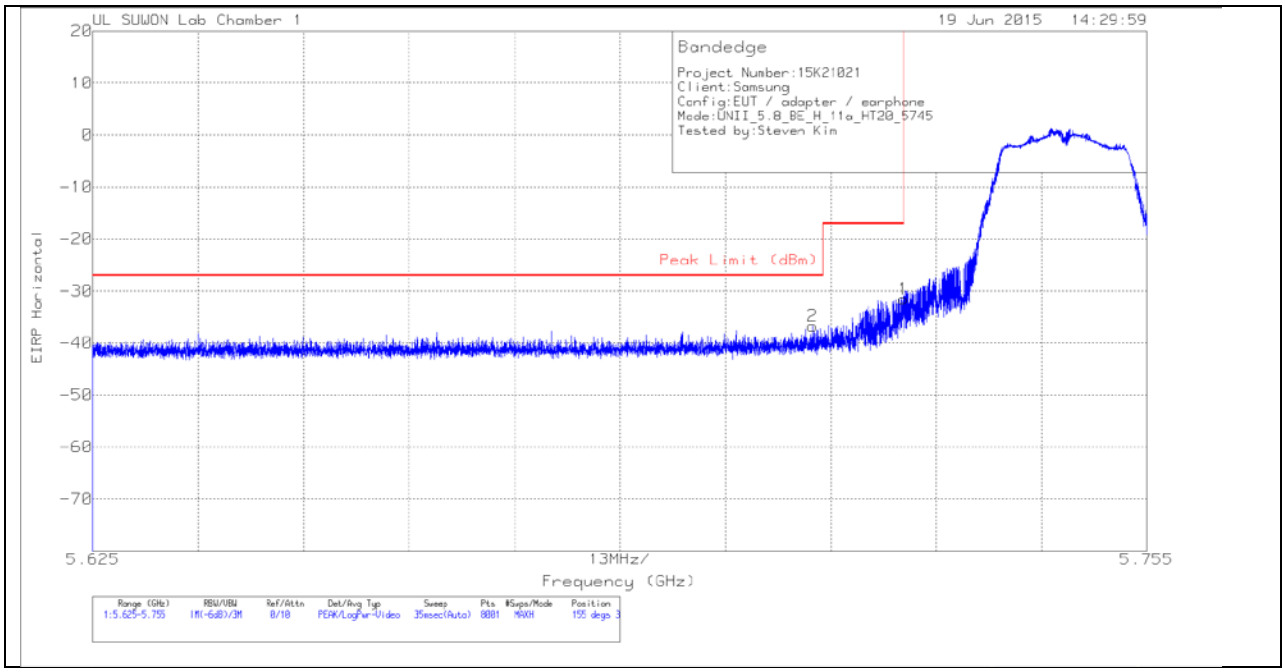
11.4. 5.8 GHz

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

HARMONICS AND SPURIOUS EMISSIONS

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-58.87	Pk	34.3	-18.8	11.8	0	-31.57	-17	-14.57	155	326	H
2	5.714	-64.03	Pk	34.3	-18.8	11.8	0	-36.73	-27	-9.73	155	326	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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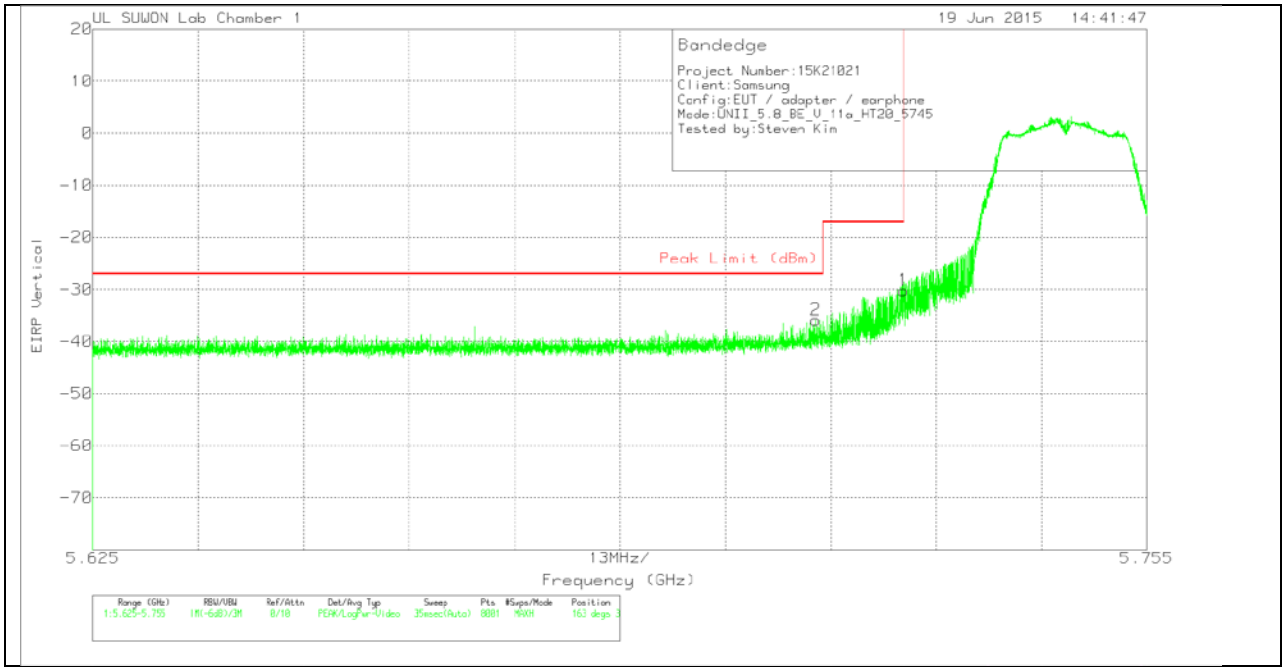
VERTICAL PEAK PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-57.47	Pk	34.3	-18.8	11.8	0	-30.17	-17	-13.17	163	326	V
2	5.714	-63.16	Pk	34.3	-18.8	11.8	0	-35.86	-27	-8.86	163	326	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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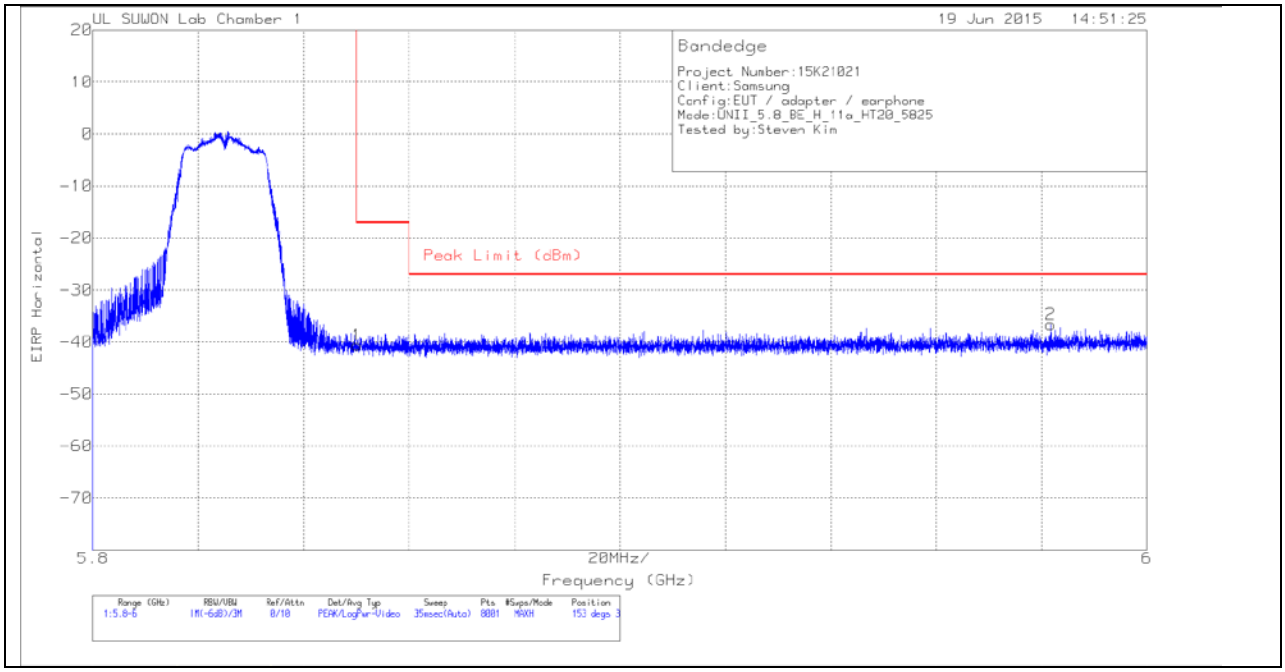
AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.21	Pk	34.7	-18.9	11.8	0	-40.61	-17	-23.61	153	316	H
2	5.982	-64.93	Pk	35.1	-18.6	11.8	0	-36.63	-27	-9.63	153	316	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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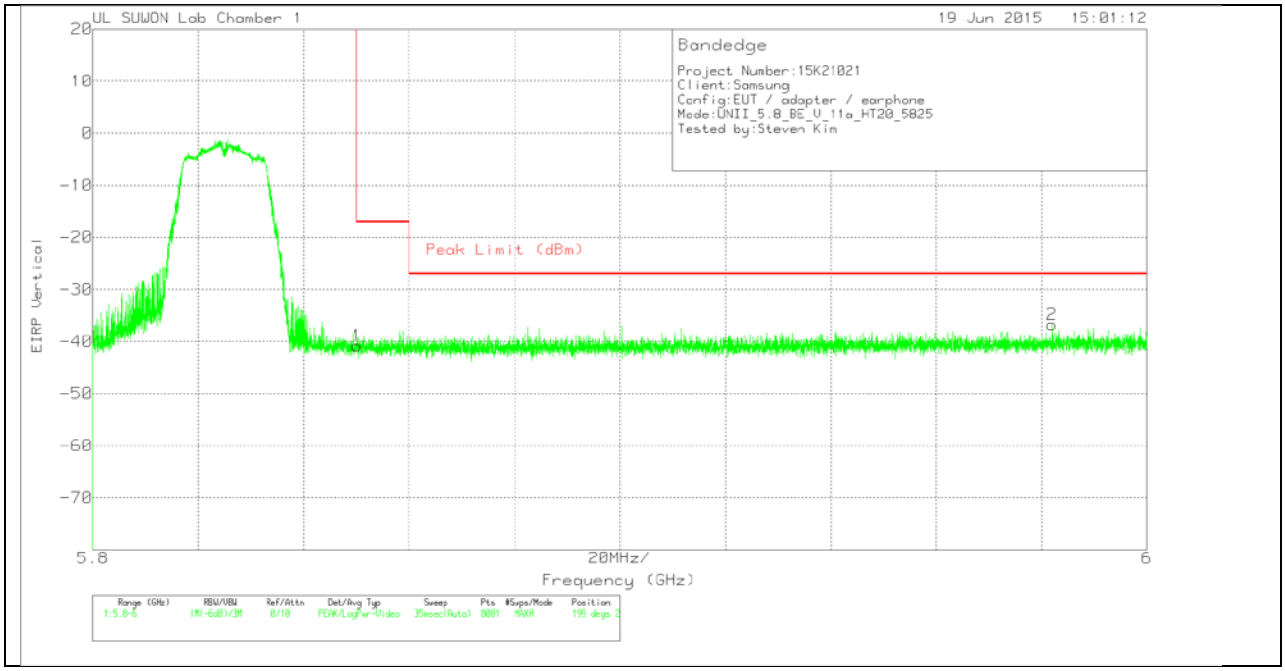
VERTICAL PEAK PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.42	Pk	34.7	-18.9	11.8	0	-40.82	-17	-23.82	199	273	V
2	5.982	-65.03	Pk	35.1	-18.6	11.8	0	-36.73	-27	-9.73	199	273	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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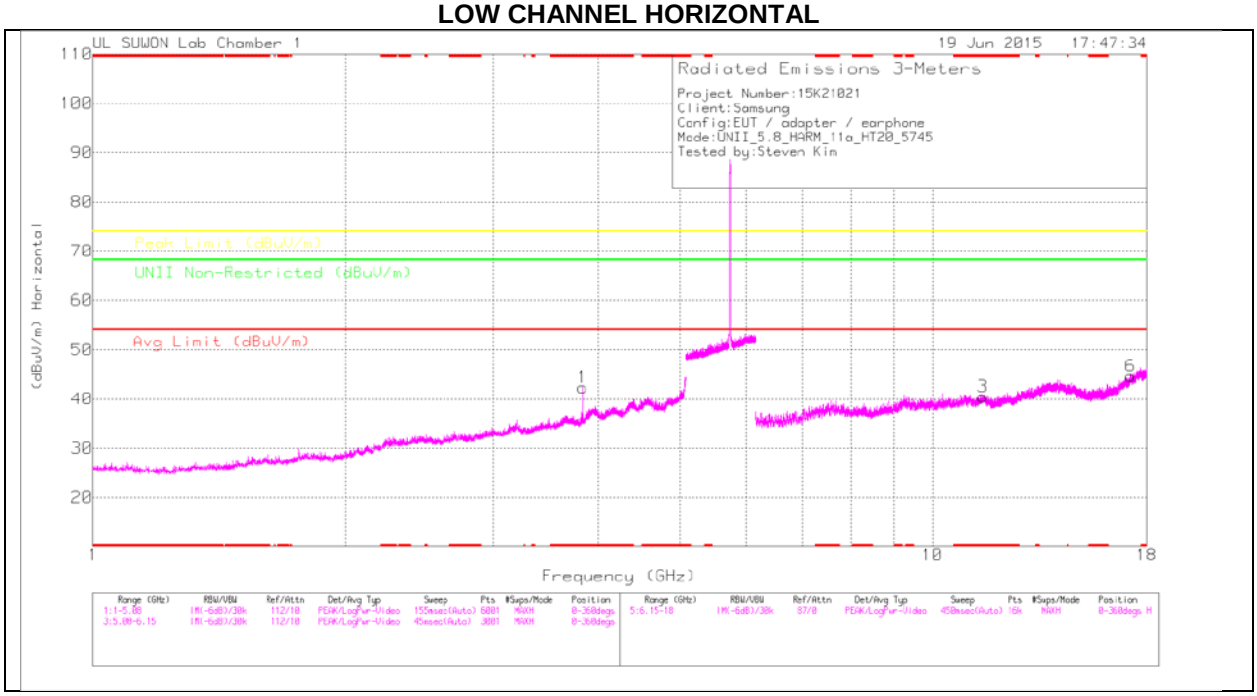
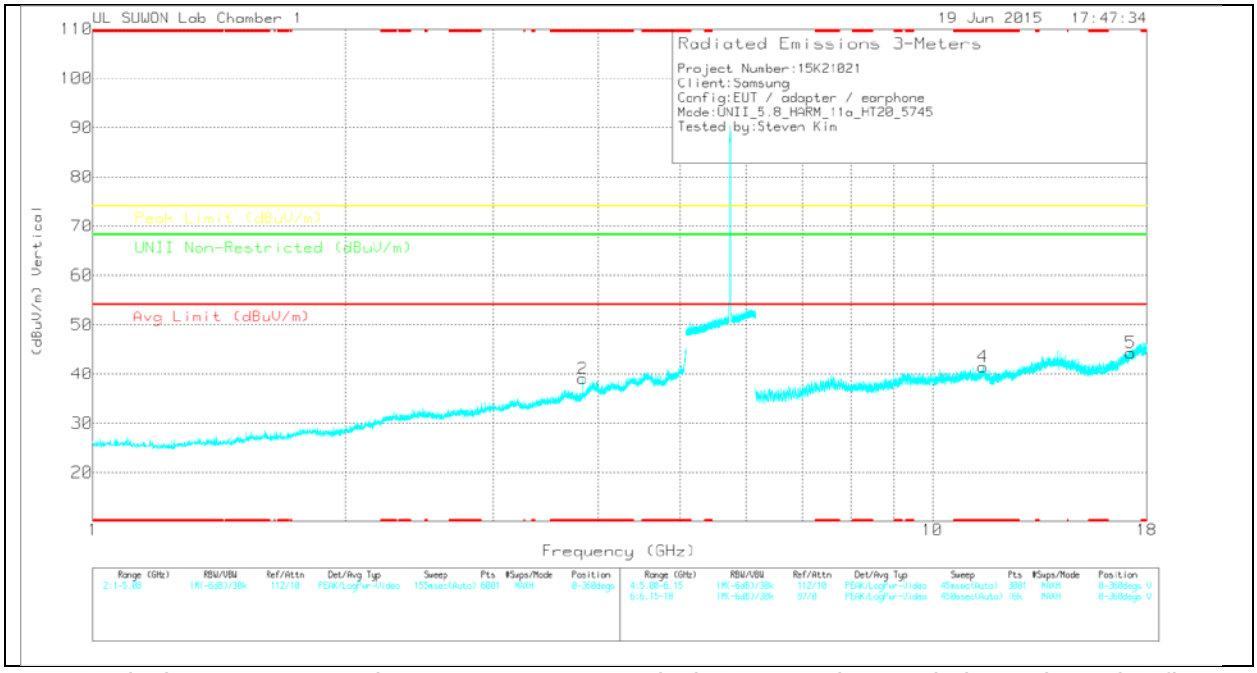
LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

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LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.83	42.32	PK	30.4	-30.4	0	42.32	-	-	74	-31.68	-	-	0-360	100	H
2	* 3.83	39.06	PK	30.4	-30.4	0	39.06	-	-	74	-34.94	-	-	0-360	200	V
3	* 11.49	22.59	PK	38.6	-20.7	0	40.49	-	-	74	-33.51	-	-	0-360	100	H
6	17.231	18.86	PK	41.4	-15.6	0	44.66	-	-	-	-	68.2	-23.54	0-360	100	H
4	* 11.487	23.55	PK	38.6	-20.7	0	41.45	-	-	74	-32.55	-	-	0-360	200	V
5	17.235	18.34	PK	41.5	-15.6	0	44.24	-	-	-	-	68.2	-23.96	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.83	47.92	PK1	30.4	-30.4	0	47.92	-	-	74	-26.08	-	-	320	108	H
* 3.83	41.48	AD1	30.4	-30.4	0	41.48	54	-12.52	-	-	-	-	320	108	H
* 3.83	47.1	PK1	30.4	-30.4	0	47.1	-	-	74	-26.9	-	-	250	349	V
* 3.83	40.39	AD1	30.4	-30.4	0	40.39	54	-13.61	-	-	-	-	250	349	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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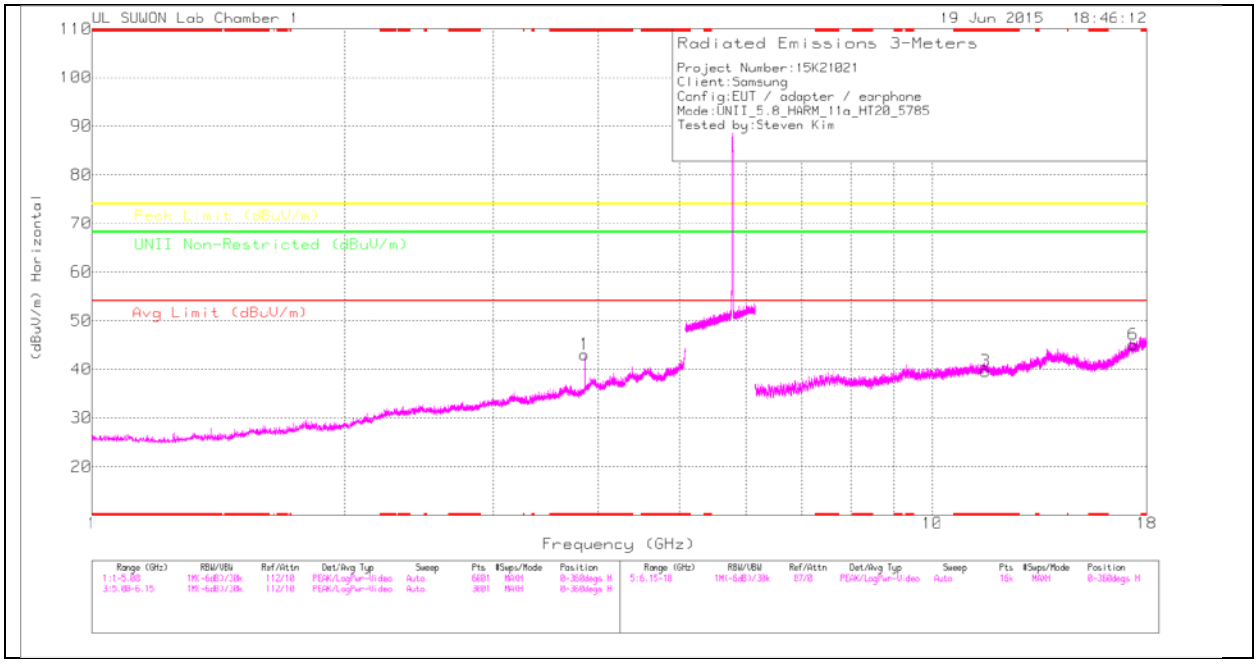
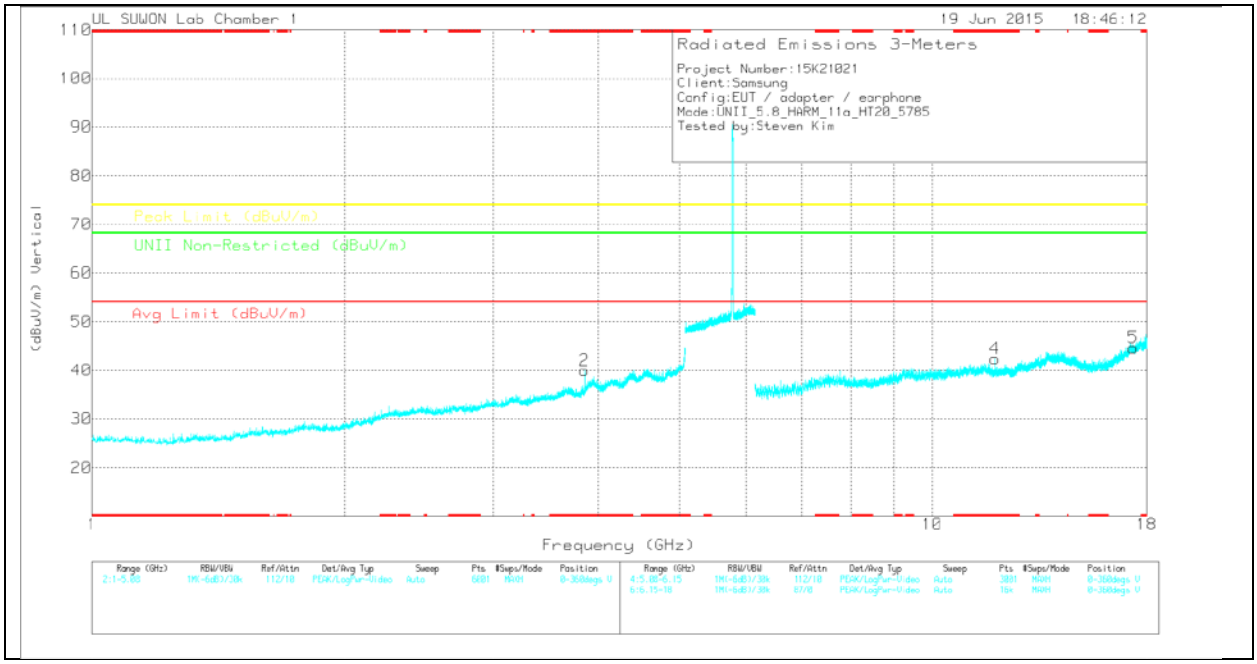
MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.857	42.58	PK	30.5	-30	0	43.08	-	-	74	-30.92	-	-	0-360	100	H
2	* 3.857	39.5	PK	30.5	-30	0	40	-	-	74	-34	-	-	0-360	200	V
3	* 11.57	21.52	PK	38.6	-20.5	0	39.62	-	-	74	-34.38	-	-	0-360	200	H
6	17.356	19.11	PK	41.7	-15.7	0	45.11	-	-	-	-	68.2	-23.09	0-360	100	H
4	* 11.881	24.44	PK	38.6	-20.7	0	42.34	-	-	74	-31.66	-	-	0-360	200	V
5	17.356	18.66	PK	41.7	-15.7	0	44.66	-	-	-	-	68.2	-23.54	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.856	48.31	PK1	30.5	-30	0	48.81	-	-	74	-25.19	-	-	323	101	H
* 3.857	42.38	AD1	30.5	-30	0	42.88	54	-11.12	-	-	-	-	323	101	H
* 3.857	47.53	PK1	30.5	-30	0	48.03	-	-	74	-25.97	-	-	248	342	V
* 3.857	41.38	AD1	30.5	-30	0	41.88	54	-12.12	-	-	-	-	248	342	V
* 11.882	21.15	AD1	38.6	-20.7	0	39.05	54	-14.95	-	-	-	-	114	128	V
* 11.881	33.26	PK1	38.6	-20.7	0	51.16	-	-	74	-22.84	-	-	114	128	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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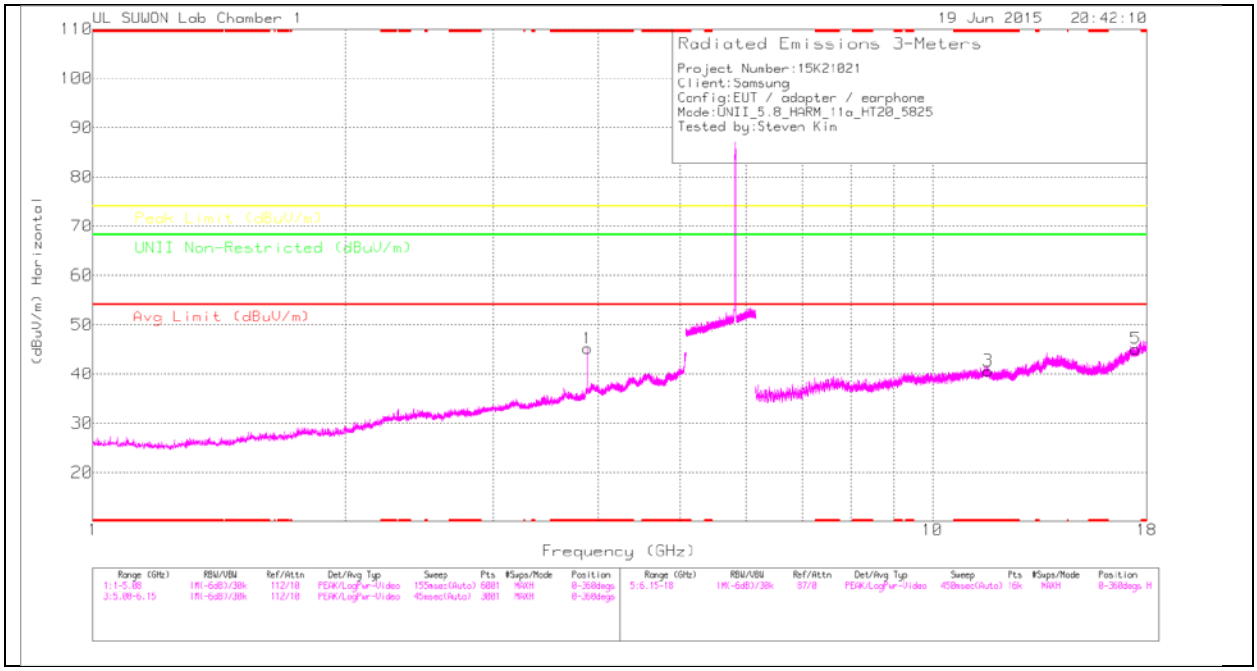
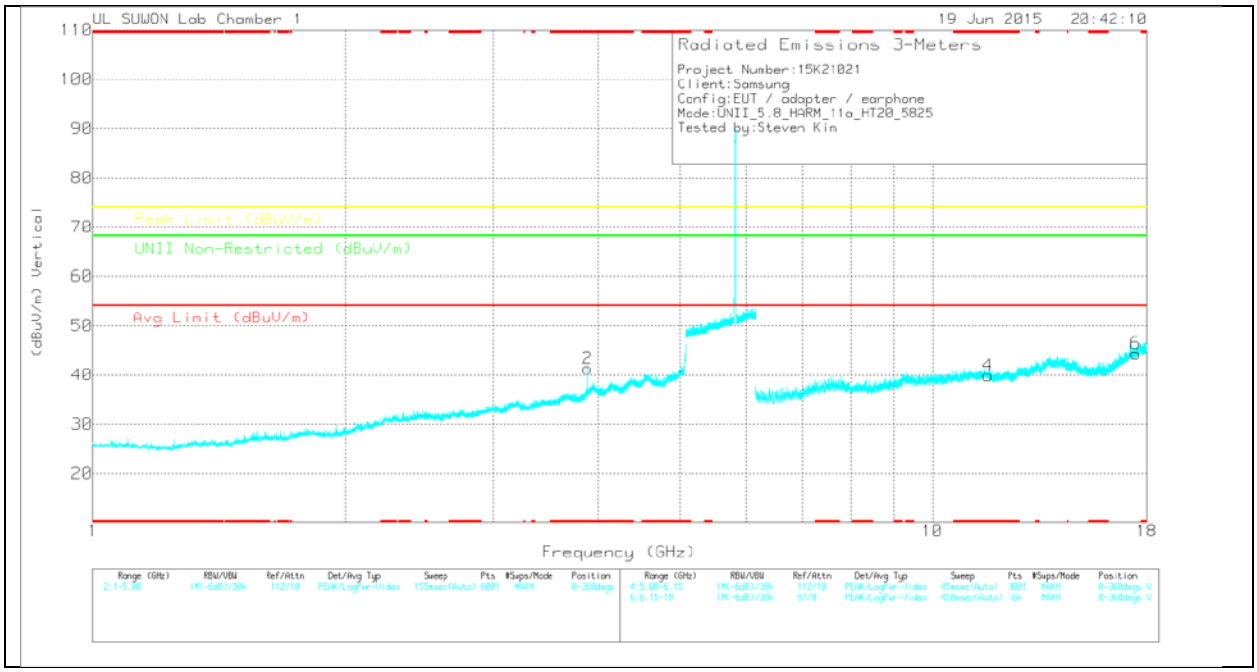
HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

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HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.884	44.2	PK	30.5	-29.5	0	45.2	-	-	74	-28.8	-	-	0-360	100	H
2	* 3.883	40.35	PK	30.5	-29.5	0	41.35	-	-	74	-32.65	-	-	0-360	200	V
3	* 11.652	22.73	PK	38.5	-20.6	0	40.63	-	-	74	-33.37	-	-	0-360	200	H
5	17.475	18.71	PK	41.9	-15.5	0	45.11	-	-	-	-	68.2	-23.09	0-360	200	H
4	* 11.65	21.99	PK	38.5	-20.6	0	39.89	-	-	74	-34.11	-	-	0-360	200	V
6	17.475	17.93	PK	41.9	-15.5	0	44.33	-	-	-	-	68.2	-23.87	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.883	49.02	PK1	30.5	-29.5	0	50.02	-	-	74	-23.98	-	-	321	113	H
* 3.883	42.89	AD1	30.5	-29.5	0	43.89	54	-10.11	-	-	-	-	321	113	H
* 3.883	48.39	PK1	30.5	-29.5	0	49.39	-	-	74	-24.61	-	-	248	379	V
* 3.883	42.25	AD1	30.5	-29.5	0	43.25	54	-10.75	-	-	-	-	248	379	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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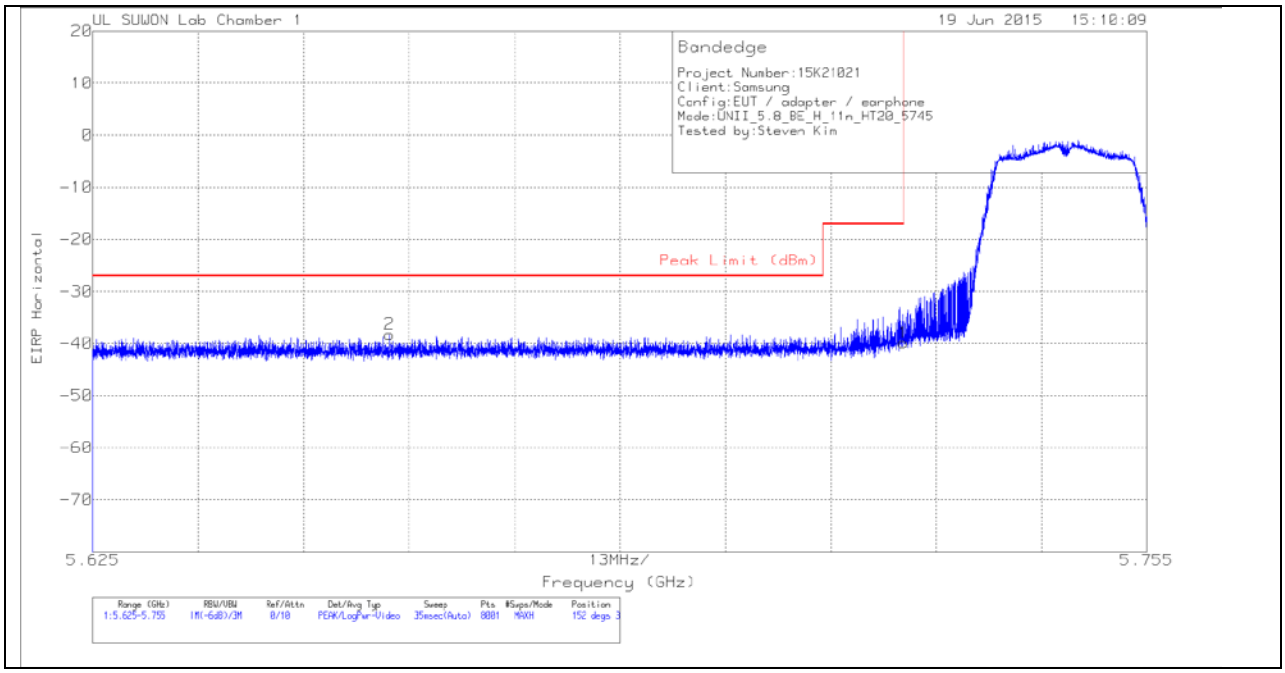
11.4.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-67.21	Pk	34.3	-18.8	11.8	0	-39.91	-17	-22.91	152	323	H
2	5.662	-65.35	Pk	34.2	-18.9	11.8	0	-38.25	-27	-11.25	152	323	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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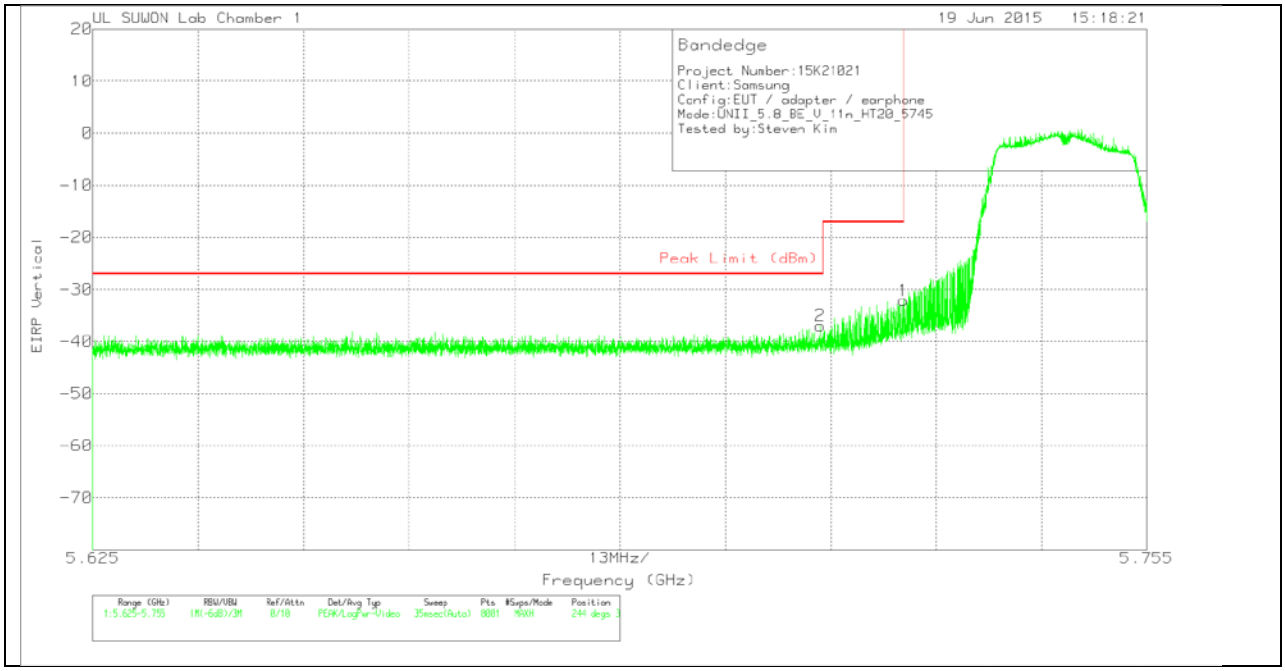
TEL: (031) 337-9902 FAX: (031) 213-5433

VERTICAL PEAK PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-59.44	Pk	34.3	-18.8	11.8	0	-32.14	-17	-15.14	244	320	V
2	5.715	-64.31	Pk	34.3	-18.8	11.8	0	-37.01	-27	-10.01	244	320	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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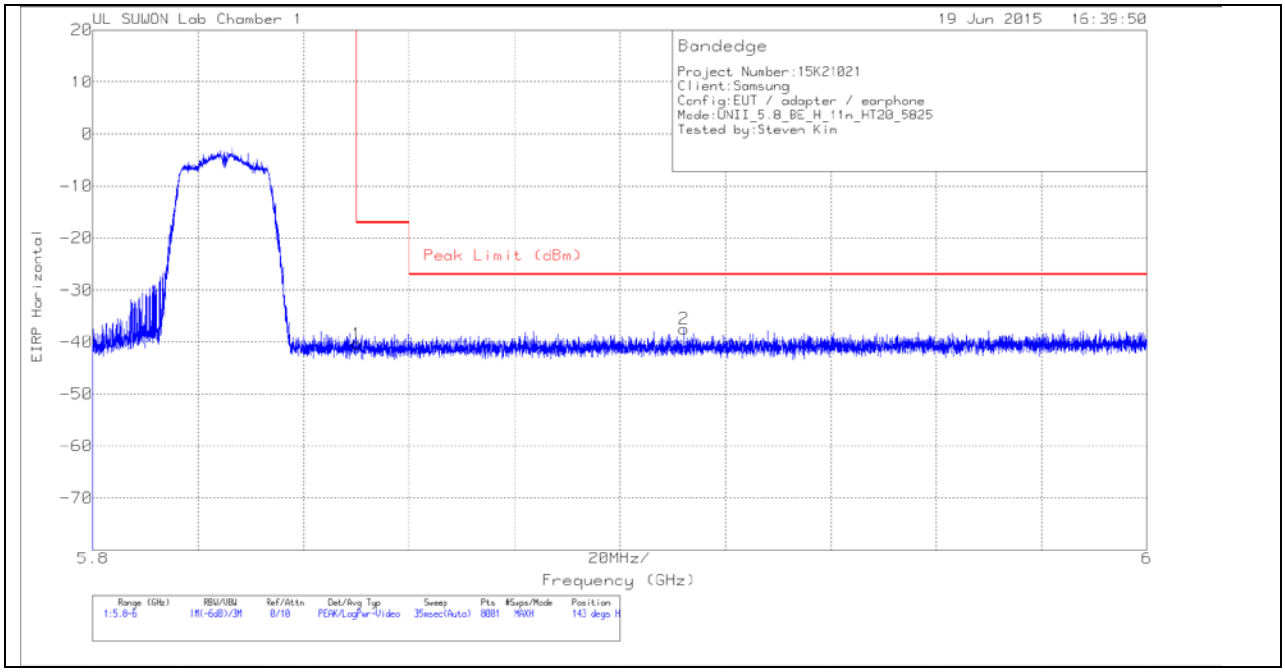
AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.99	Pk	34.7	-18.9	11.8	0	-40.39	-17	-23.39	143	340	H
2	5.912	-65.39	Pk	34.9	-18.8	11.8	0	-37.49	-27	-10.49	143	340	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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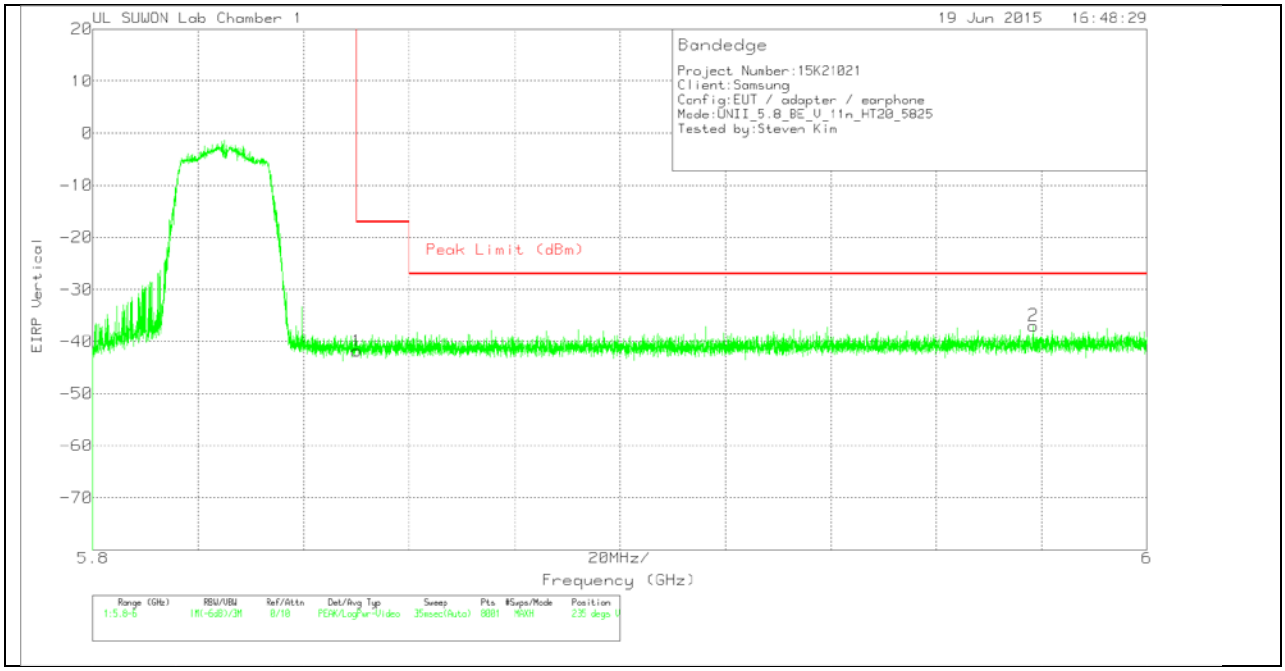
VERTICAL PEAK PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.44	Pk	34.7	-18.9	11.8	0	-41.84	-17	-24.84	235	308	V
2	5.978	-65.25	Pk	35.1	-18.6	11.8	0	-36.95	-27	-9.95	235	308	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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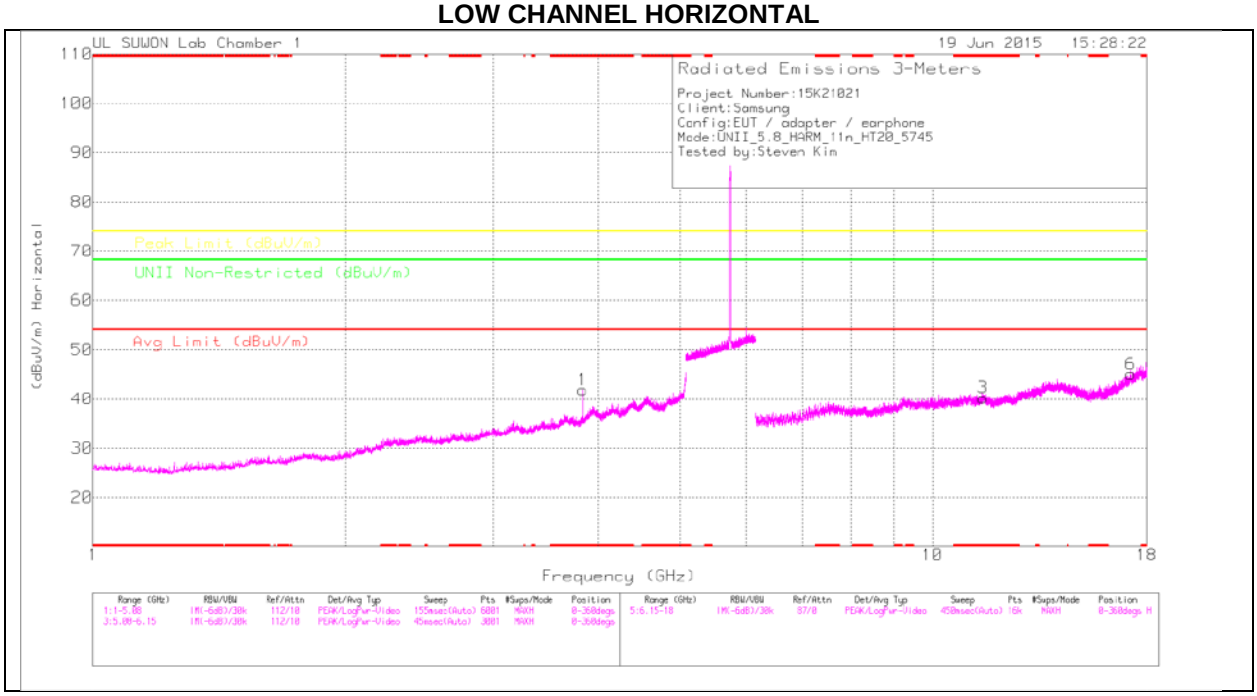
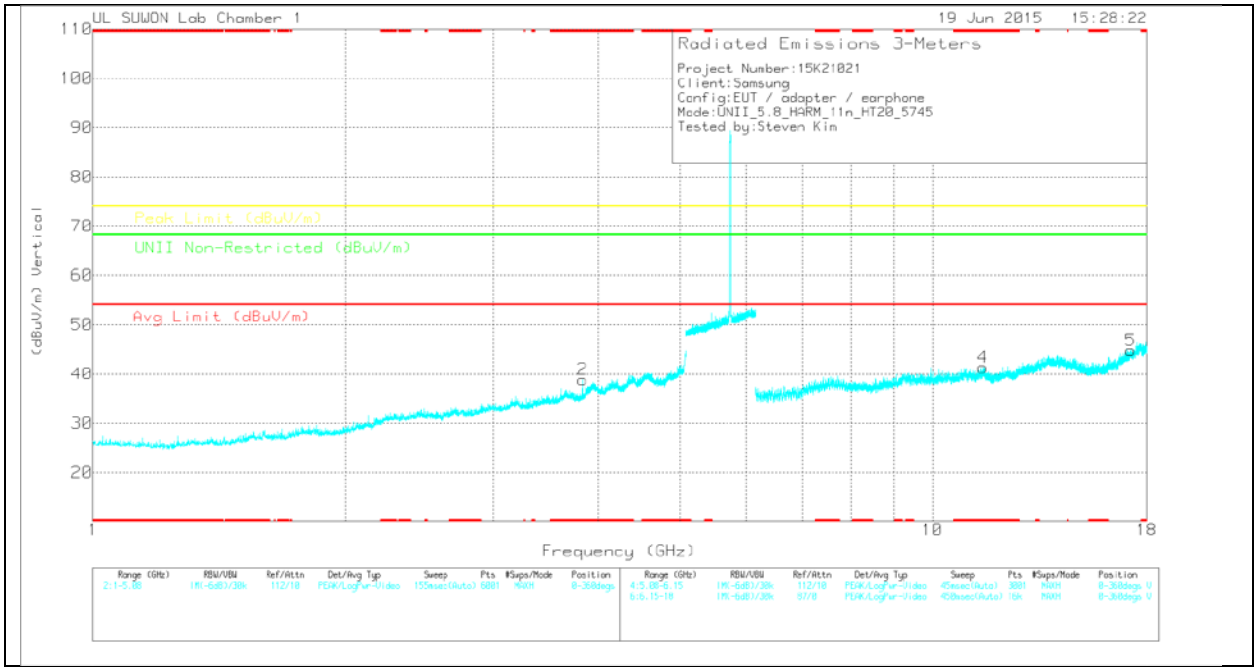
LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

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LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.83	41.84	PK	30.4	-30.4	0	41.84	-	-	74	-32.16	-	-	0-360	100	H
2	* 3.83	38.85	PK	30.4	-30.4	0	38.85	-	-	74	-35.15	-	-	0-360	200	V
3	* 11.49	22.35	PK	38.6	-20.7	0	40.25	-	-	74	-33.75	-	-	0-360	200	H
6	17.238	19.16	PK	41.5	-15.6	0	45.06	-	-	-	-	68.2	-23.14	0-360	100	H
4	* 11.493	23.42	PK	38.6	-20.7	0	41.32	-	-	74	-32.68	-	-	0-360	100	V
5	17.234	18.97	PK	41.4	-15.6	0	44.77	-	-	-	-	68.2	-23.43	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.83	47.82	PK1	30.4	-30.4	0	47.82	-	-	74	-26.18	-	-	323	103	H
* 3.83	41.02	AD1	30.4	-30.4	0	41.02	54	-12.98	-	-	-	-	323	103	H
* 3.83	47.37	PK1	30.4	-30.4	0	47.37	-	-	74	-26.63	-	-	273	393	V
* 3.83	39.84	AD1	30.4	-30.4	0	39.84	54	-14.16	-	-	-	-	273	393	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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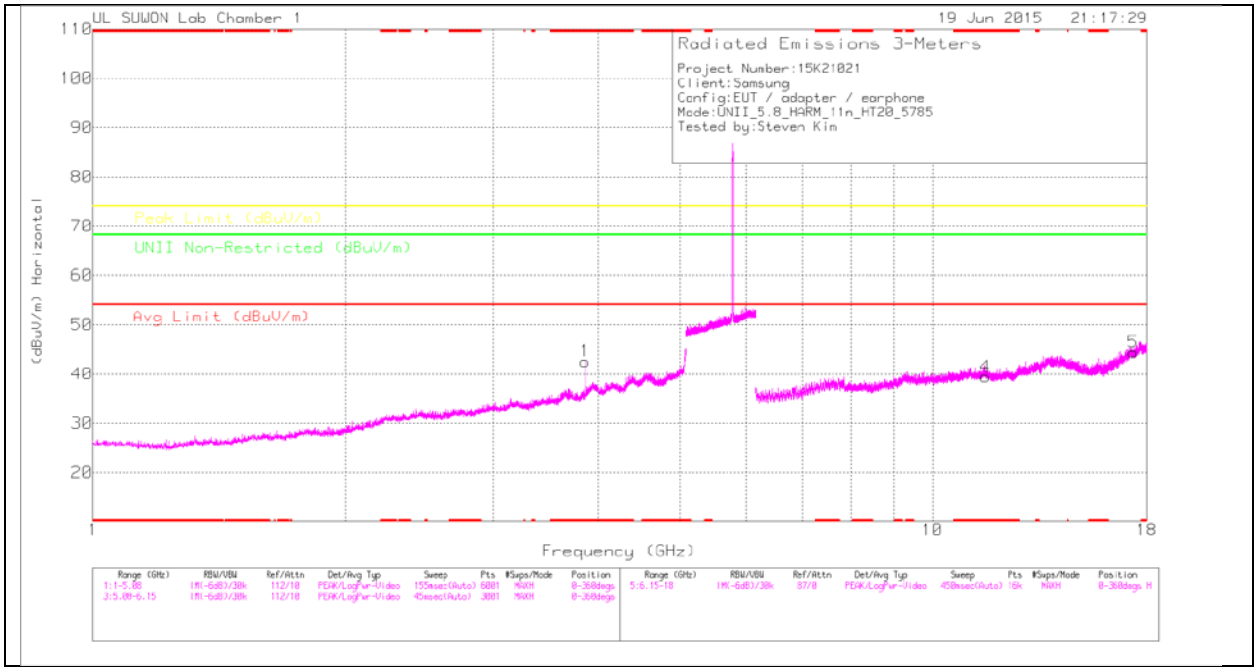
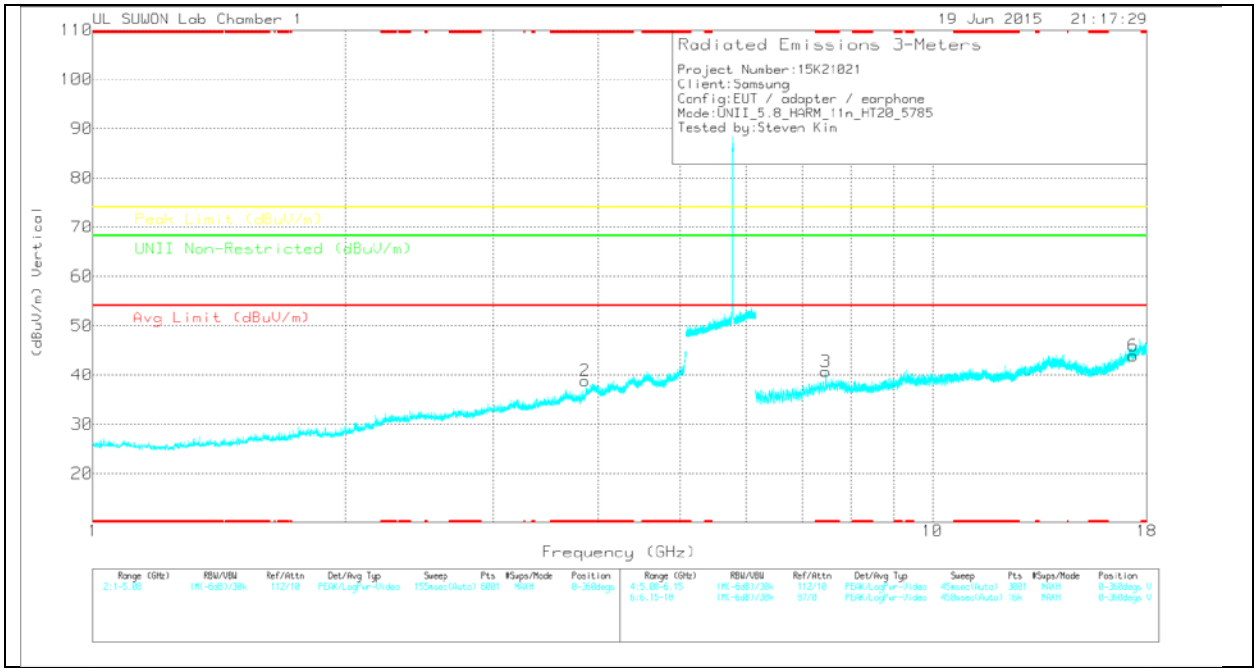
MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

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MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.857	42.06	PK	30.5	-30	0	42.56	-	-	74	-31.44	-	-	0-360	100	H
2	* 3.857	38.33	PK	30.5	-30	0	38.83	-	-	74	-35.17	-	-	0-360	200	V
4	* 11.57	21.31	PK	38.6	-20.5	0	39.41	-	-	74	-34.59	-	-	0-360	100	H
5	17.355	18.42	PK	41.7	-15.7	0	44.42	-	-	-	-	68.2	-23.78	0-360	100	H
3	* 7.458	28.2	PK	37.3	-24.8	0	40.7	-	-	74	-33.3	-	-	0-360	100	V
6	17.355	17.92	PK	41.7	-15.7	0	43.92	-	-	-	-	68.2	-24.28	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.857	47.83	PK1	30.5	-30	0	48.33	-	-	74	-25.67	-	-	299	103	H
* 3.857	41.54	AD1	30.5	-30	0	42.04	54	-11.96	-	-	-	-	299	103	H
* 3.857	47.16	PK1	30.5	-30	0	47.66	-	-	74	-26.34	-	-	249	342	V
* 3.857	40.17	AD1	30.5	-30	0	40.67	54	-13.33	-	-	-	-	249	342	V
* 7.458	24.21	AD1	37.3	-24.8	0	36.71	54	-17.29	-	-	-	-	227	123	V
* 7.46	37.13	PK1	37.3	-24.8	0	49.63	-	-	74	-24.37	-	-	227	123	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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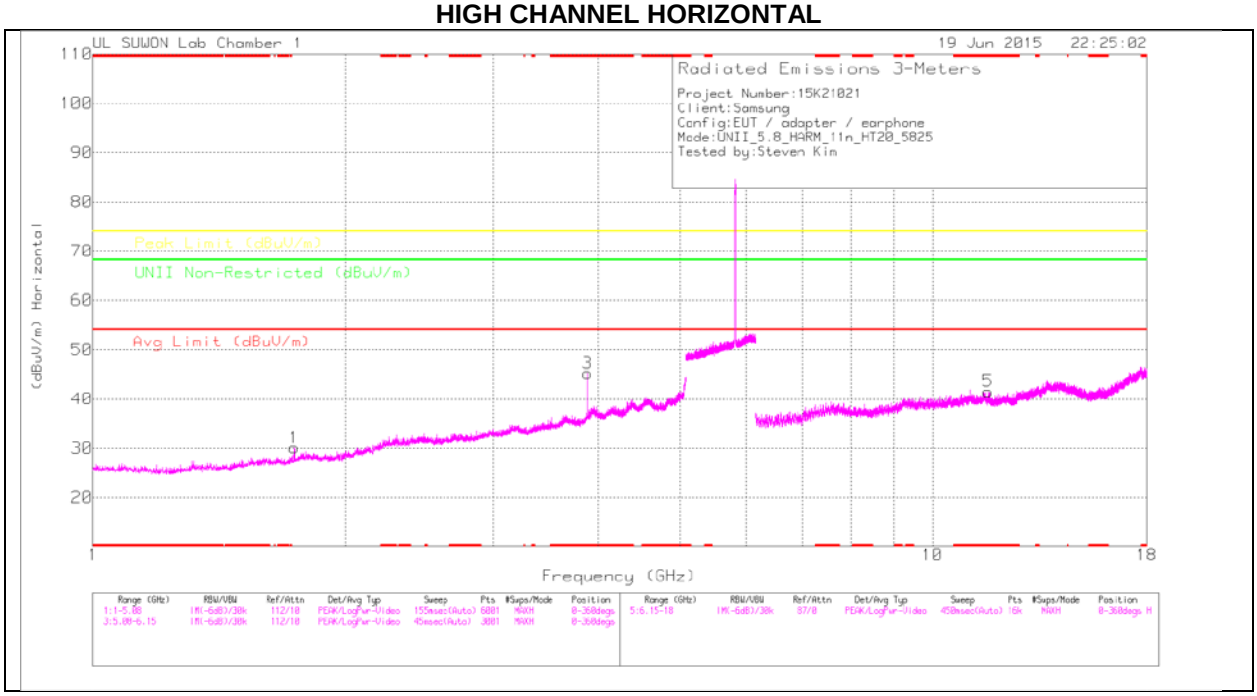
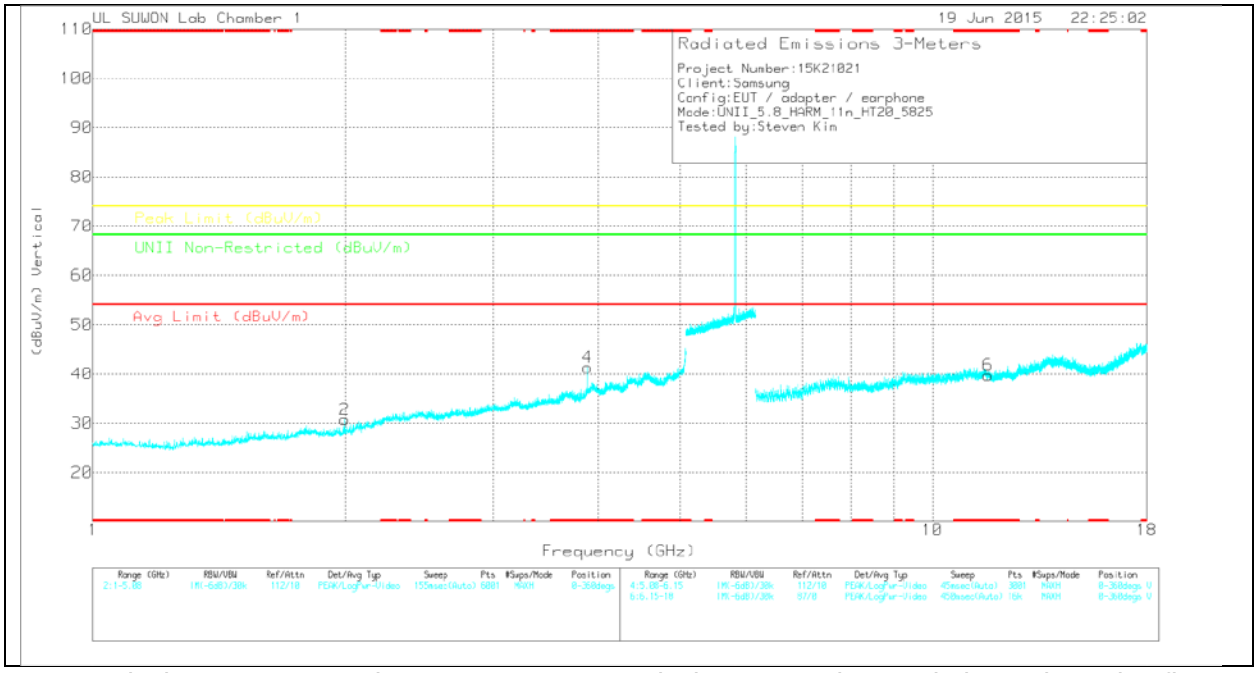
HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

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HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	1.736	37.87	PK	25.2	-33	0	30.07	-	-	-	-	68.2	-38.13	0-360	200	H
3	* 3.883	44.21	PK	30.5	-29.5	0	45.21	-	-	74	-28.79	-	-	0-360	100	H
2	1.996	37.71	PK	25.5	-32.5	0	30.71	-	-	-	-	68.2	-37.49	0-360	100	V
4	* 3.883	40.31	PK	30.5	-29.5	0	41.31	-	-	74	-32.69	-	-	0-360	200	V
5	* 11.65	23.63	PK	38.5	-20.6	0	41.53	-	-	74	-32.47	-	-	0-360	200	H
6	* 11.65	21.84	PK	38.5	-20.6	0	39.74	-	-	74	-34.26	-	-	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
1.736	43.34	PK1	25.2	-33	0	35.54	-	-	-	-	68.2	-32.66	80	279	H
1.737	30.22	AD1	25.2	-33	0	22.42	-	-	-	-	-	-	80	279	H
* 3.884	44.61	PK1	30.5	-29.5	0	45.61	-	-	74	-28.39	-	-	151	249	H
* 3.883	32.58	AD1	30.5	-29.5	0	33.58	54	-20.42	-	-	-	-	151	249	H
1.998	43.19	PK1	25.5	-32.5	0	36.19	-	-	-	-	68.2	-32.01	256	157	V
1.996	30.6	AD1	25.5	-32.5	0	23.6	-	-	-	-	-	-	256	157	V
* 3.883	44.11	PK1	30.5	-29.5	0	45.11	-	-	74	-28.89	-	-	113	277	V
* 3.883	31.92	AD1	30.5	-29.5	0	32.92	54	-21.08	-	-	-	-	113	277	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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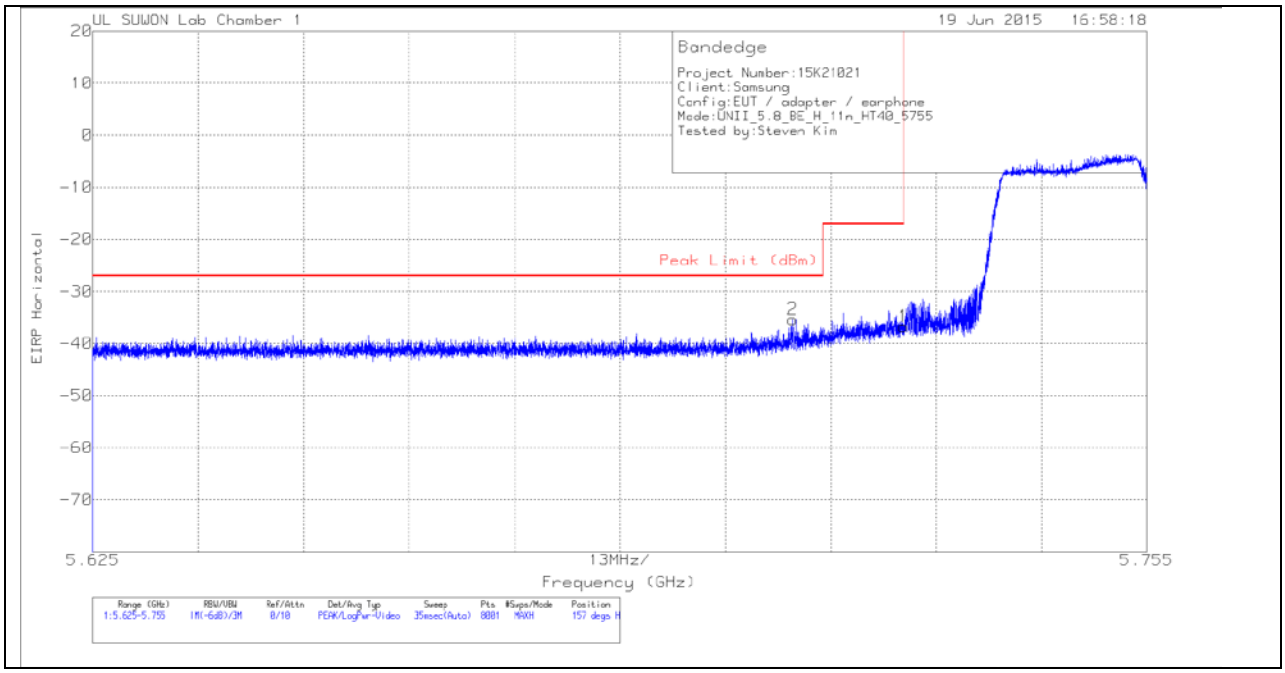
11.4.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-64.01	Pk	34.3	-18.8	11.8	0	-36.71	-17	-19.71	157	144	H
2	5.711	-62.68	Pk	34.3	-18.8	11.8	0	-35.38	-27	-8.38	157	144	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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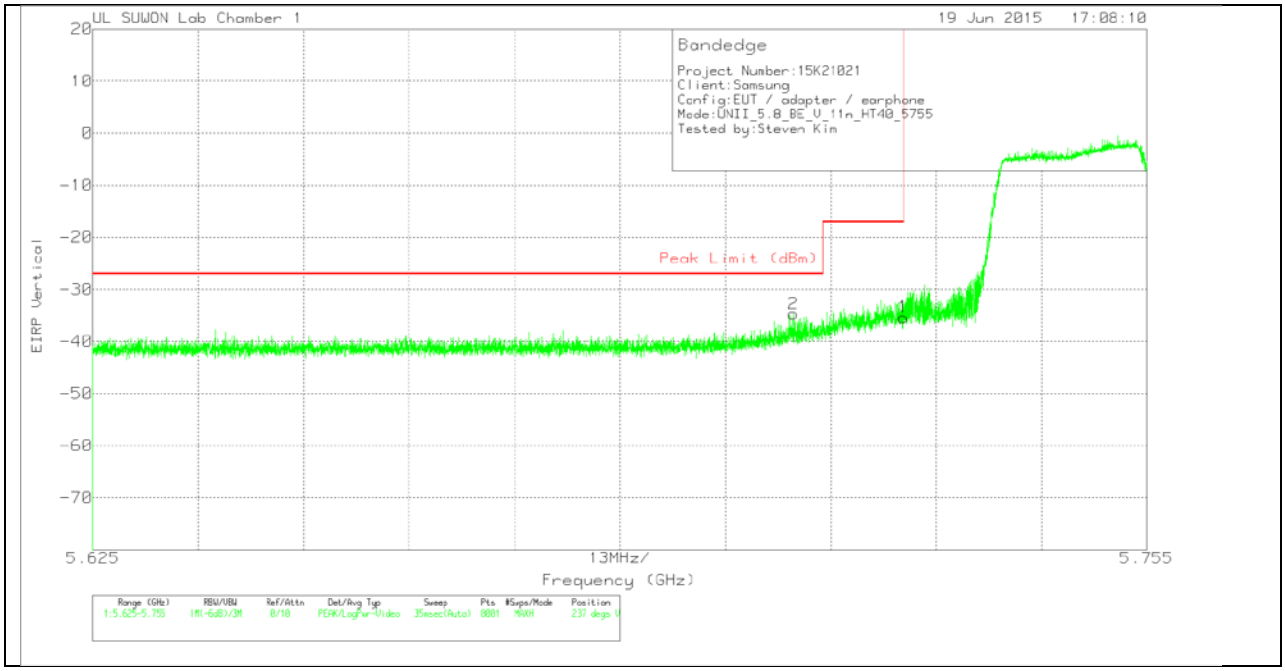
VERTICAL PEAK PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.21	Pk	34.7	-18.9	11.8	0	-40.61	-17	-23.61	344	190	H
2	5.982	-65.08	Pk	35.1	-18.6	11.8	0	-36.78	-27	-9.78	344	190	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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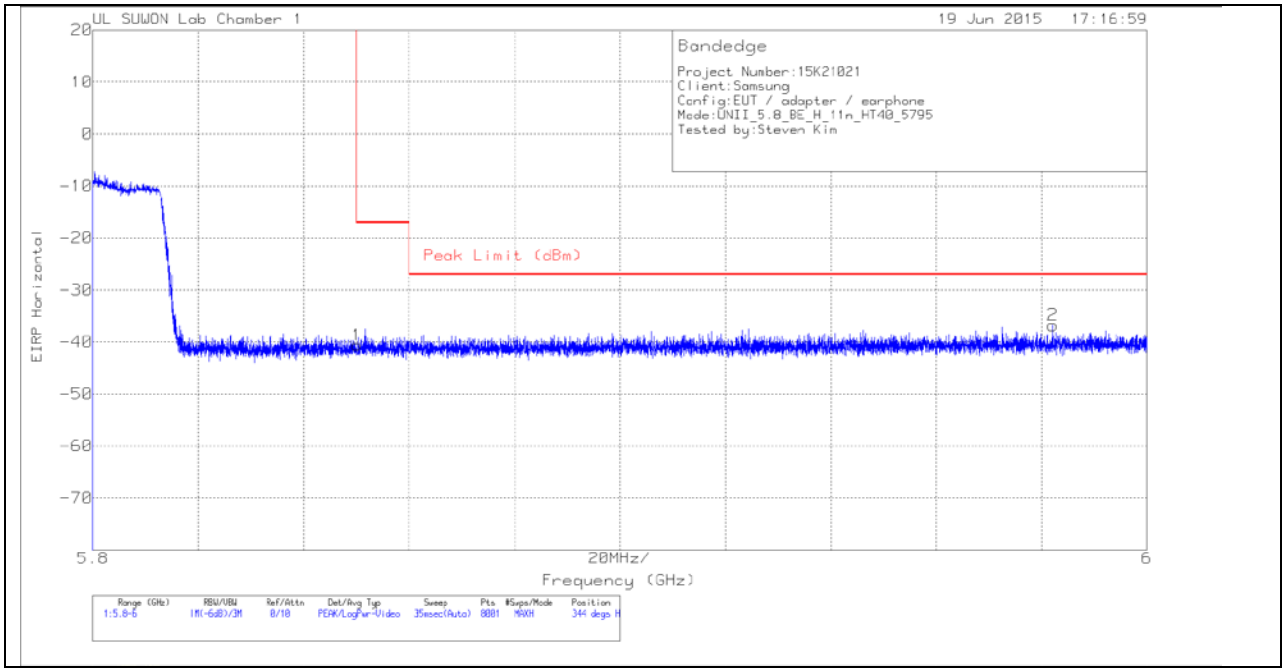
AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

arker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.21	Pk	34.7	-18.9	11.8	0	-40.61	-17	-23.61	344	190	H
2	5.982	-65.08	Pk	35.1	-18.6	11.8	0	-36.78	-27	-9.78	344	190	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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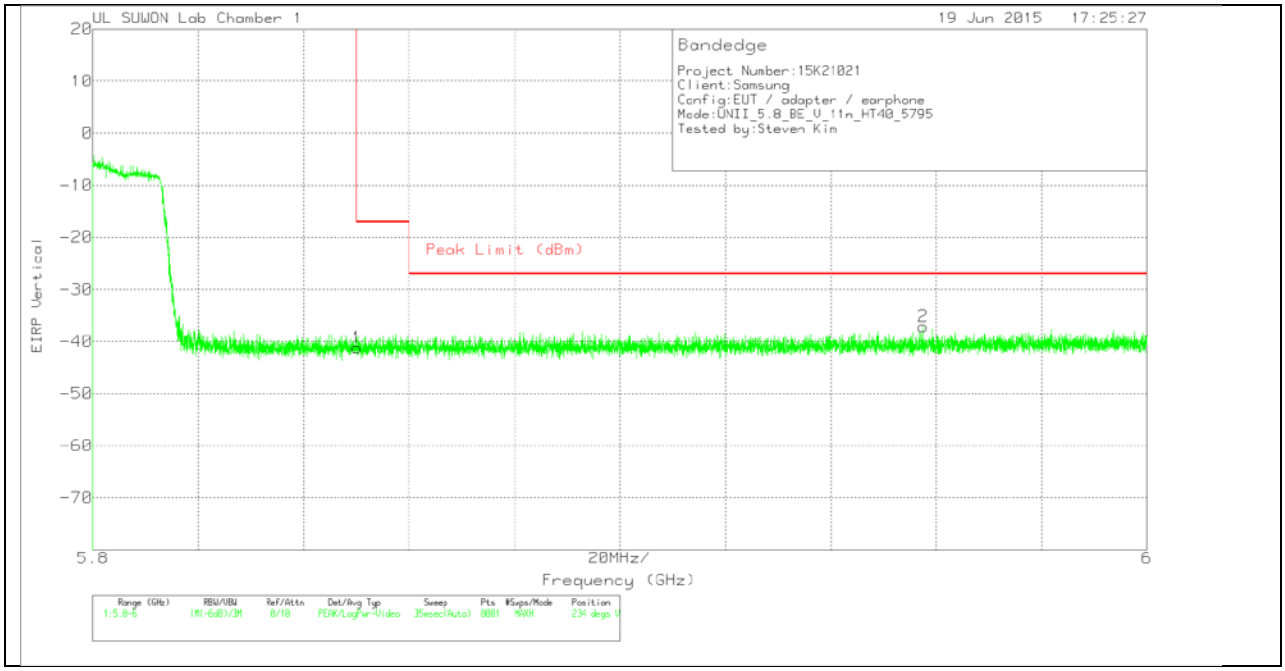
VERTICAL PEAK PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.78	Pk	34.7	-18.9	11.8	0	-41.18	-17	-24.18	234	241	V
2	5.958	-65.28	Pk	35.1	-18.7	11.8	0	-37.08	-27	-10.08	234	241	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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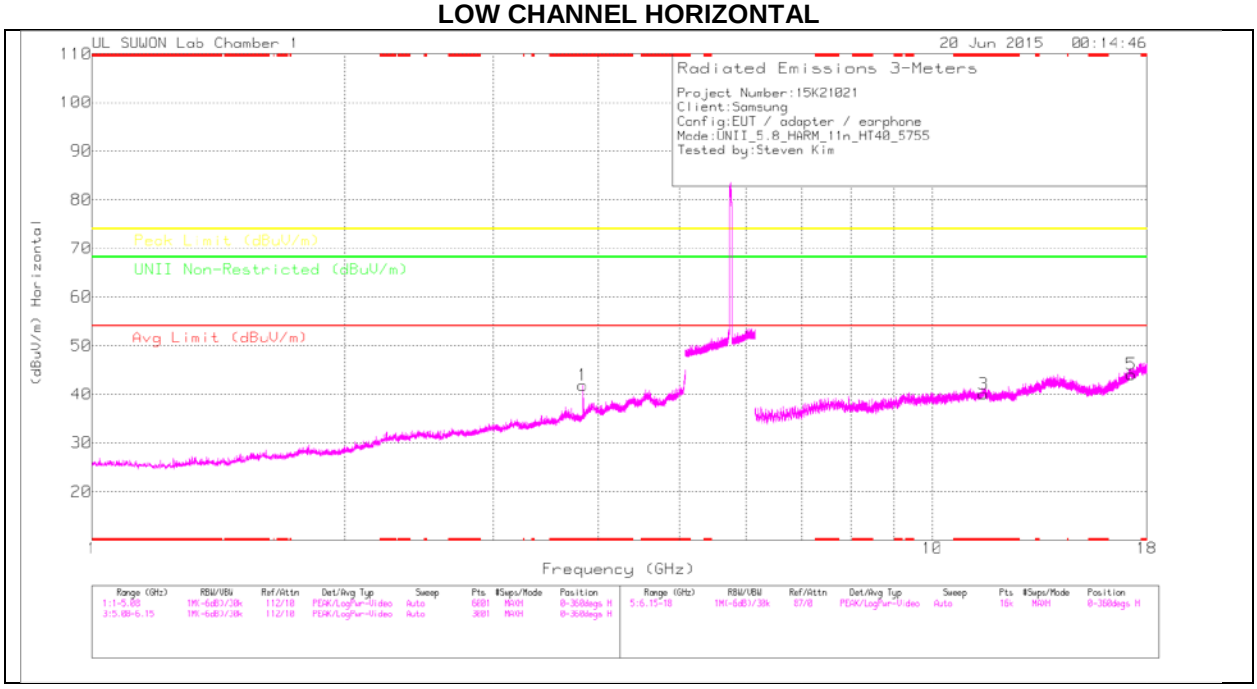
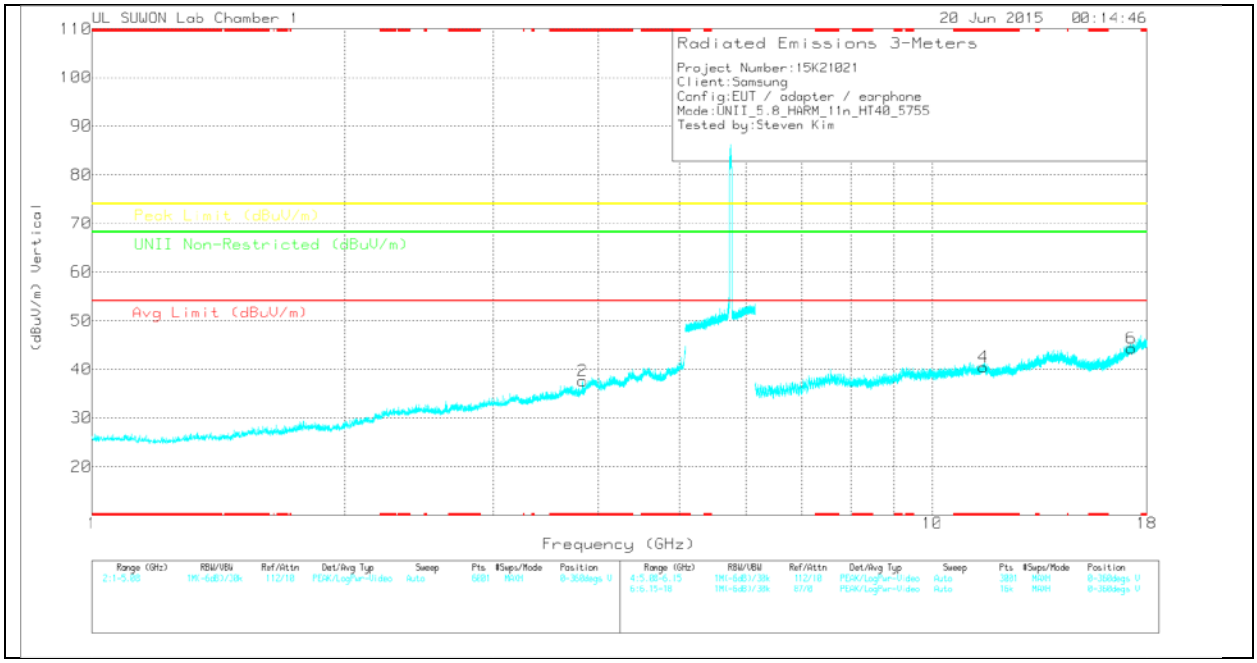
LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

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LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.837	41.8	PK	30.4	-30.3	0	41.9	-	-	74	-32.1	-	-	0-360	100	H
2	* 3.837	37.56	PK	30.4	-30.3	0	37.66	-	-	74	-36.34	-	-	0-360	200	V
3	* 11.51	22.22	PK	38.6	-20.7	0	40.12	-	-	74	-33.88	-	-	0-360	200	H
5	17.265	18.15	PK	41.5	-15.6	0	44.05	-	-	-	-	68.2	-24.15	0-360	100	H
4	* 11.51	22.52	PK	38.6	-20.7	0	40.42	-	-	74	-33.58	-	-	0-360	200	V
6	17.265	18.45	PK	41.5	-15.6	0	44.35	-	-	-	-	68.2	-23.85	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.837	48.33	PK1	30.4	-30.3	0	48.43	-	-	74	-25.57	-	-	320	105	H
* 3.837	41.11	AD1	30.4	-30.3	0	41.21	54	-12.79	-	-	-	-	320	105	H
* 3.837	38.84	AD1	30.4	-30.3	0	38.94	54	-15.06	-	-	-	-	276	396	V
* 3.837	39.71	Pk	30.4	-30.3	0	39.81	-	-	74	-34.19	-	-	276	396	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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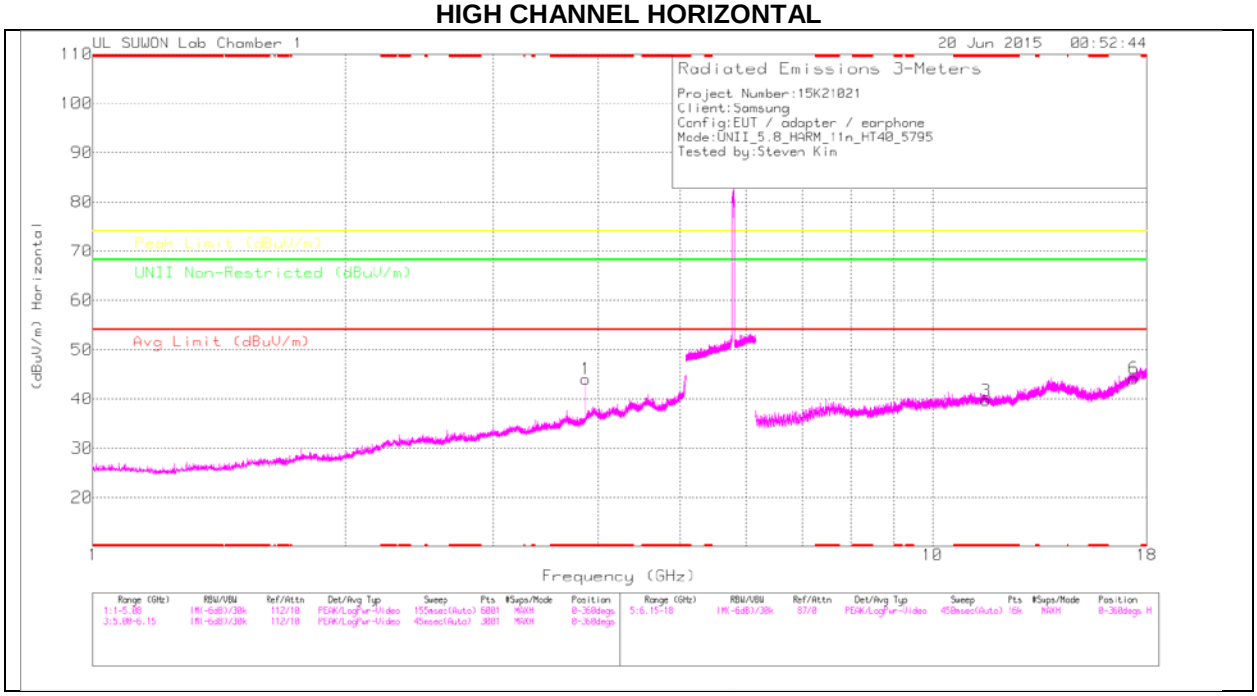
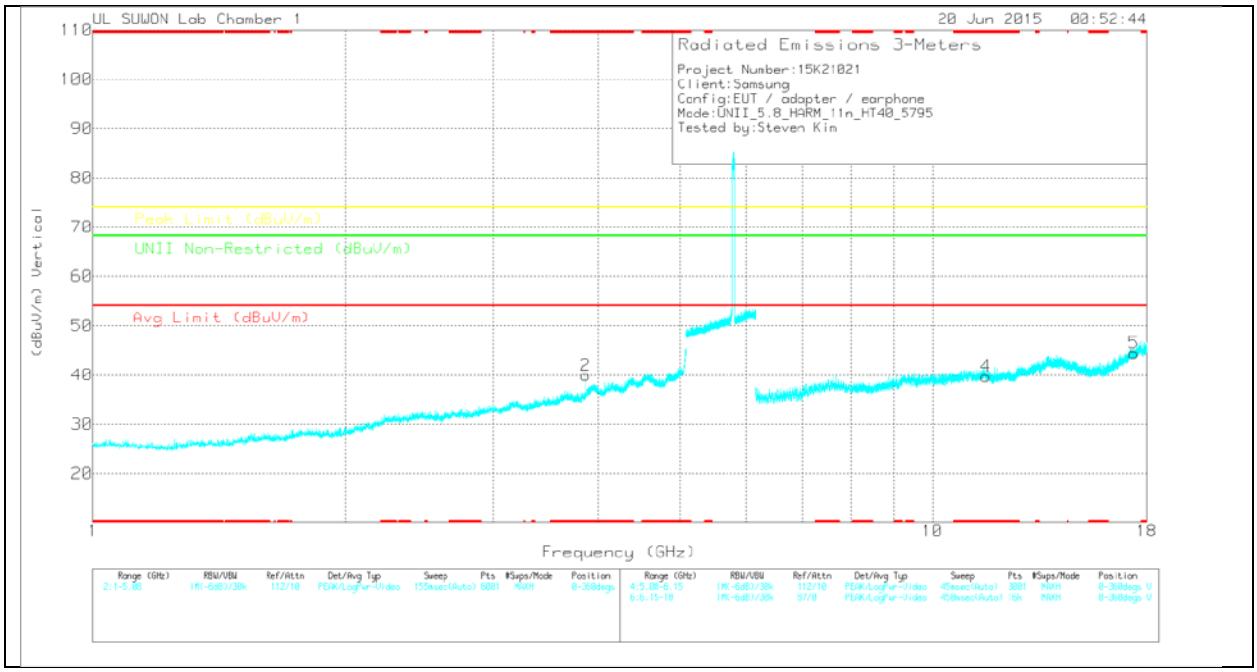
HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

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HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.863	43.4	PK	30.5	-29.9	0	44	-	-	74	-30	-	-	0-360	100	H
2	* 3.863	39.34	PK	30.5	-29.9	0	39.94	-	-	74	-34.06	-	-	0-360	200	V
3	* 11.59	21.57	PK	38.6	-20.5	0	39.67	-	-	74	-34.33	-	-	0-360	100	H
6	17.386	17.92	PK	41.8	-15.6	0	44.12	-	-	-	-	68.2	-24.08	0-360	100	H
4	* 11.587	21.62	PK	38.6	-20.5	0	39.72	-	-	74	-34.28	-	-	0-360	200	V
5	17.385	18.25	PK	41.8	-15.6	0	44.45	-	-	-	-	68.2	-23.75	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.863	47.91	PK1	30.5	-29.9	0	48.51	-	-	74	-25.49	-	-	300	102	H
* 3.863	42.56	AD1	30.5	-29.9	0	43.16	54	-10.84	-	-	-	-	300	102	H
* 3.863	47.57	PK1	30.5	-29.9	0	48.17	-	-	74	-25.83	-	-	250	340	V
* 3.863	40.74	AD1	30.5	-29.9	0	41.34	54	-12.66	-	-	-	-	250	340	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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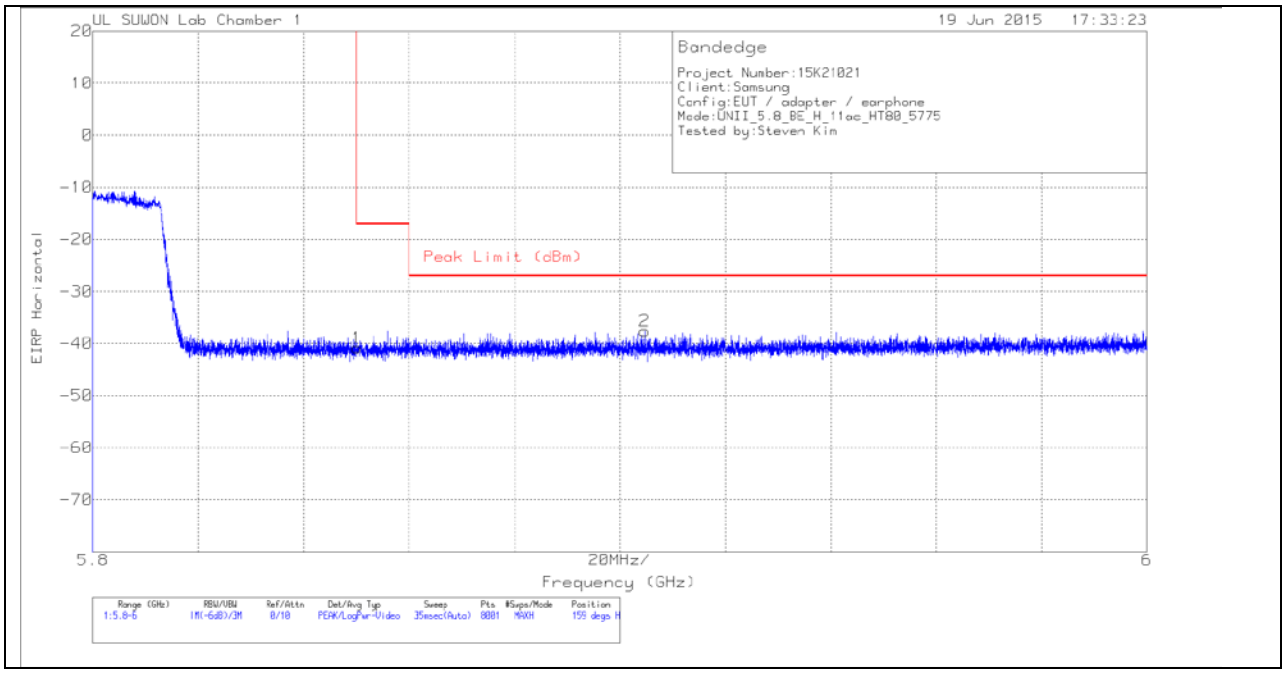
11.4.4. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

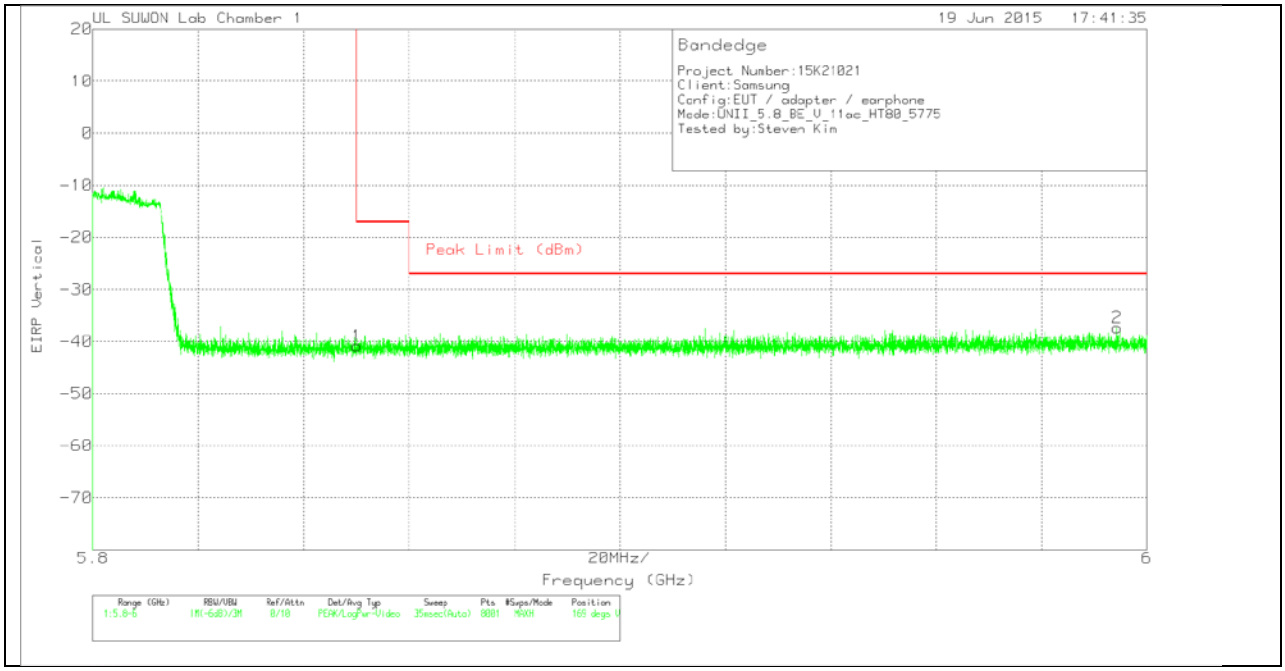
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.44	Pk	34.7	-18.9	11.8	0	-40.84	-17	-23.84	159	247	H
2	5.905	-65.48	Pk	34.9	-18.8	11.8	0	-37.58	-27	-10.58	159	247	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.47	Pk	34.7	-18.9	11.8	0	-40.87	-17	-23.87	169	327	V
2	5.994	-65.76	Pk	35.2	-18.6	11.8	0	-37.36	-27	-10.36	169	327	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

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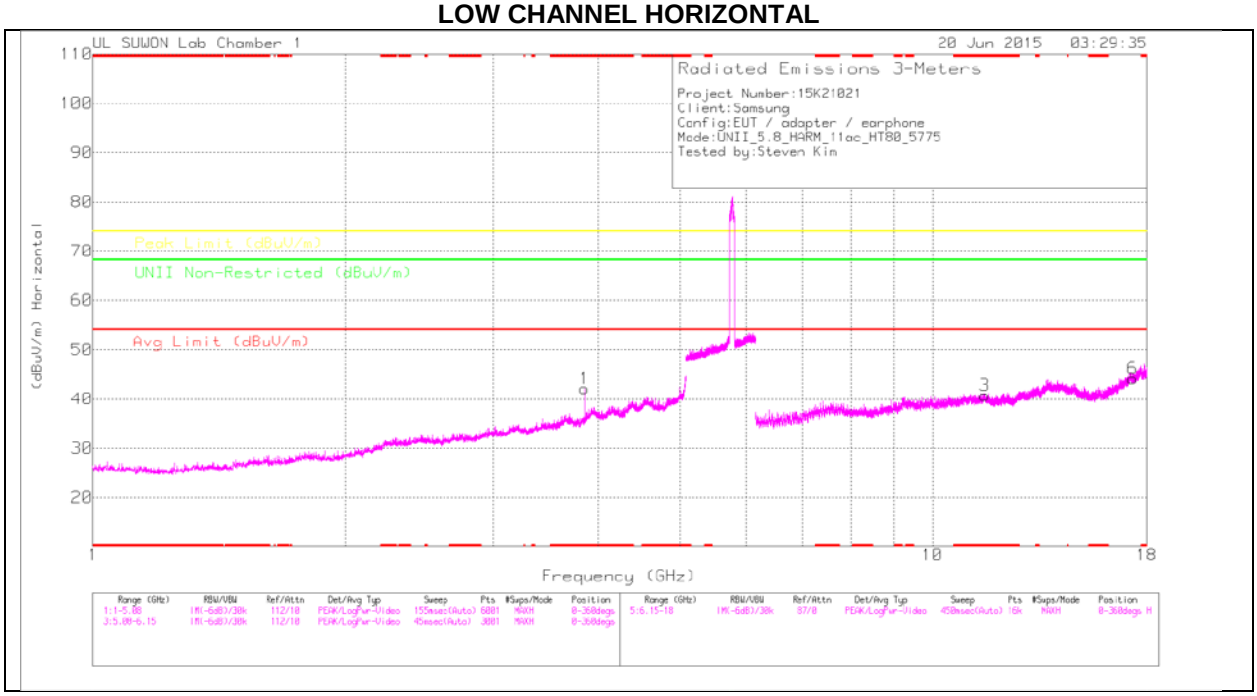
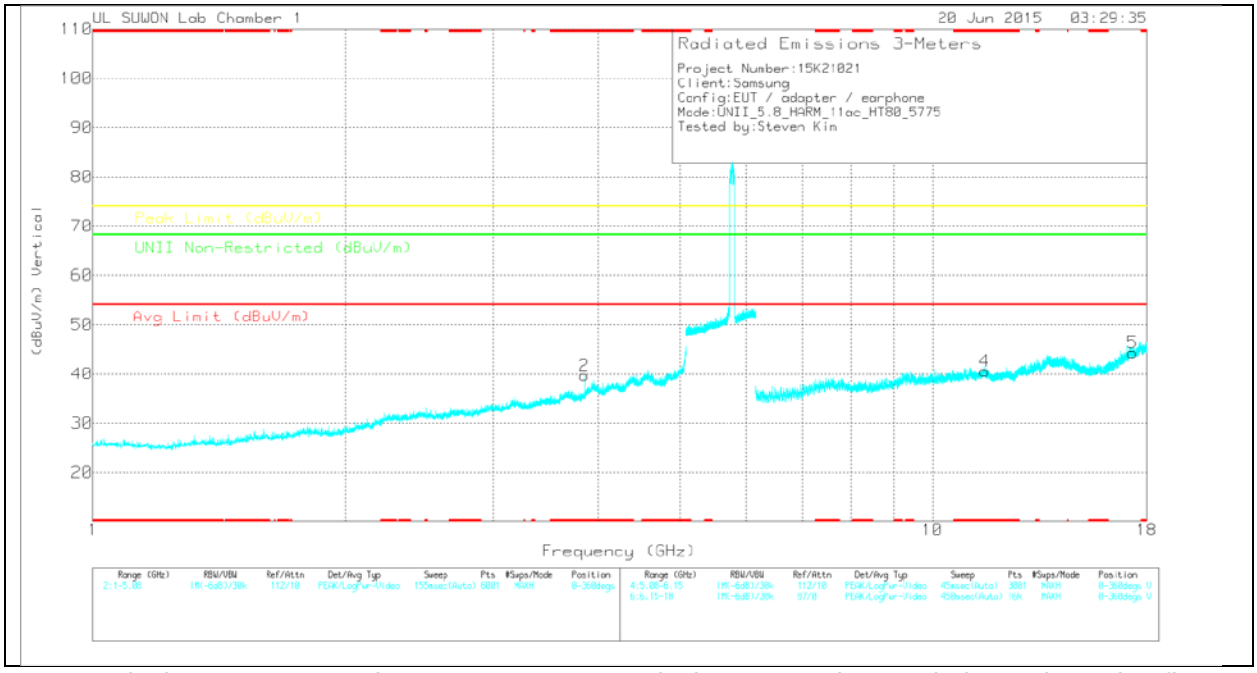
LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

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LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5G LP	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	* 3.851	41.71	PK	30.5	-30.1	0	42.11	-	-	74	-31.89	-	-	0-360	100	H
2	* 3.85	39.4	PK	30.5	-30.2	0	39.7	-	-	74	-34.3	-	-	0-360	200	V
3	* 11.55	22.74	PK	38.6	-20.6	0	40.74	-	-	74	-33.26	-	-	0-360	100	H
6	17.325	18.16	PK	41.7	-15.7	0	44.16	-	-	-	-	68.2	-24.04	0-360	200	H
4	* 11.55	22.54	PK	38.6	-20.6	0	40.54	-	-	74	-33.46	-	-	0-360	100	V
5	17.325	18.25	PK	41.7	-15.7	0	44.25	-	-	-	-	68.2	-23.95	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_4_5GLP	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
* 3.85	47.96	PK1	30.5	-30.2	0	48.26	-	-	74	-25.74	-	-	323	112	H
* 3.85	38.34	AD1	30.5	-30.2	0	38.64	54	-15.36	-	-	-	-	323	112	H
* 3.85	47.16	PK1	30.5	-30.2	0	47.46	-	-	74	-26.54	-	-	248	392	V
* 3.85	40.51	AD1	30.5	-30.2	0	40.81	54	-13.19	-	-	-	-	248	392	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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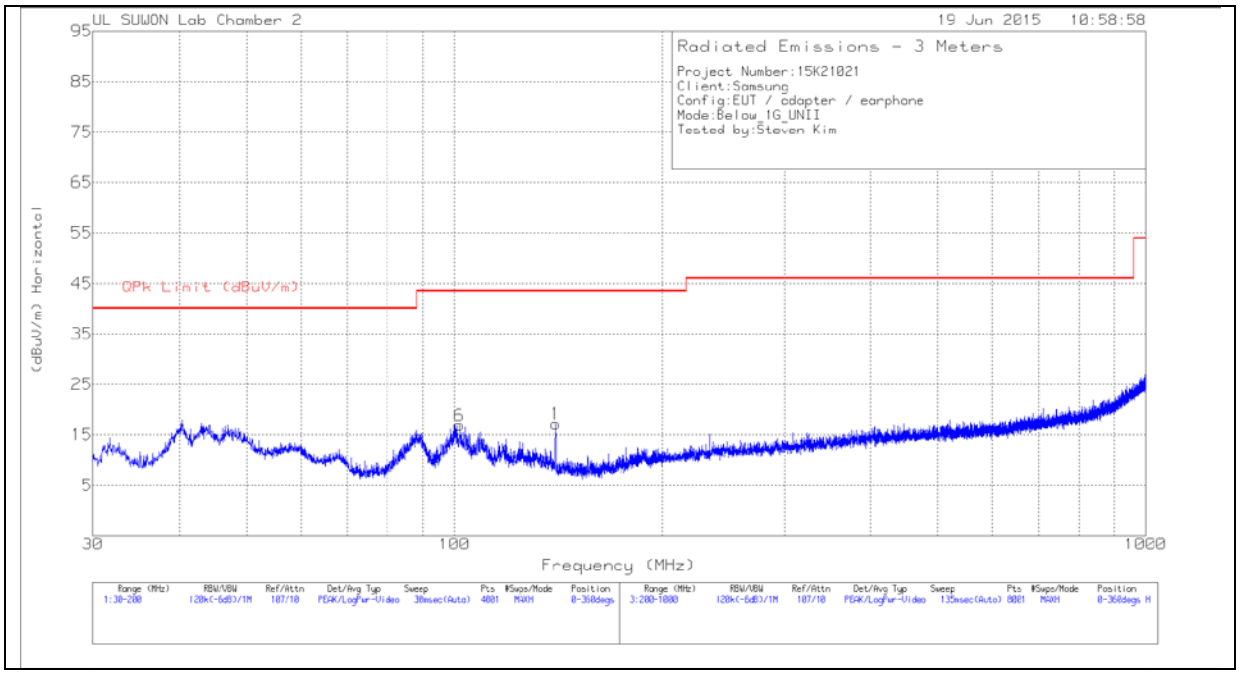
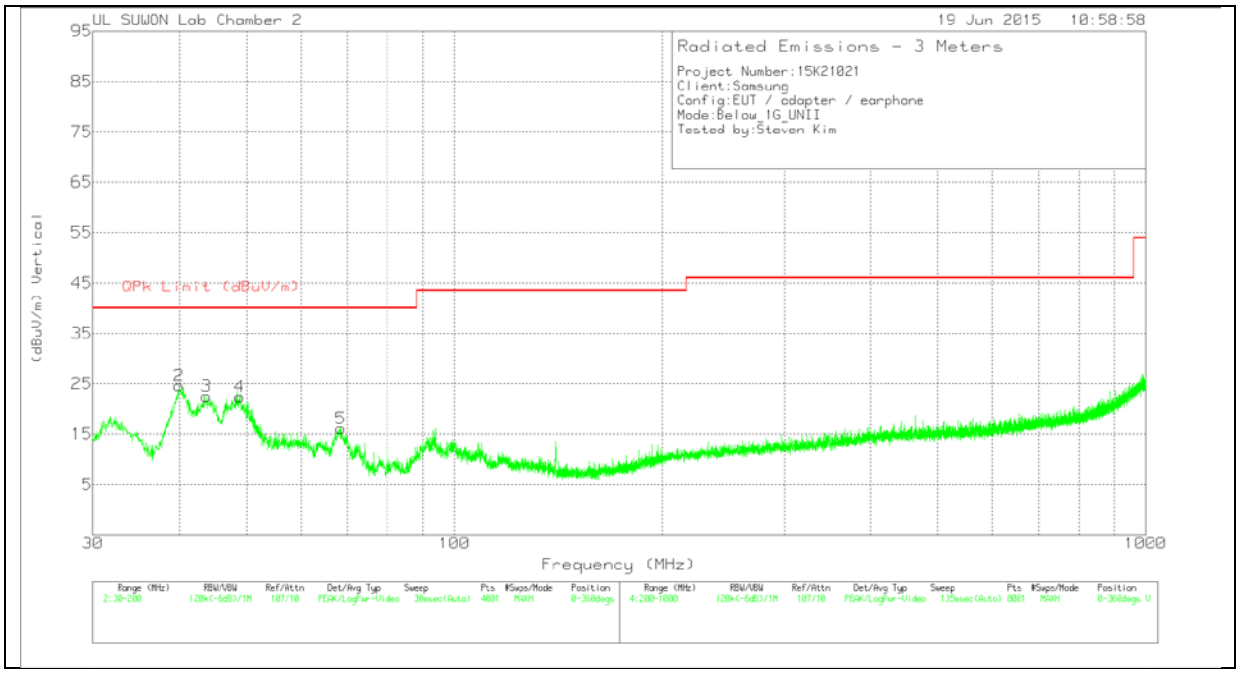
12. WORST-CASE BELOW 1 GHz (in the 5.3 GHz Band)

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



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



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Below 1G Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-749	Below_1G	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	139.99	39.56	Pk	8	-30.4	17.16	43.52	-26.36	0-360	200	H
6	101.655	35.97	Pk	11.4	-30.5	16.87	43.52	-26.65	0-360	300	H
2	39.9025	42.72	Pk	12.7	-30.8	24.62	40	-15.38	0-360	100	V
3	43.77	39.56	Pk	13.6	-30.7	22.46	40	-17.54	0-360	100	V
4	48.87	38.97	Pk	14.1	-30.7	22.37	40	-17.63	0-360	100	V
5	68.505	36.62	Pk	10.1	-30.6	16.12	40	-23.88	0-360	100	V

Pk - Peak detector

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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 C63.4.

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

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

RESULTS

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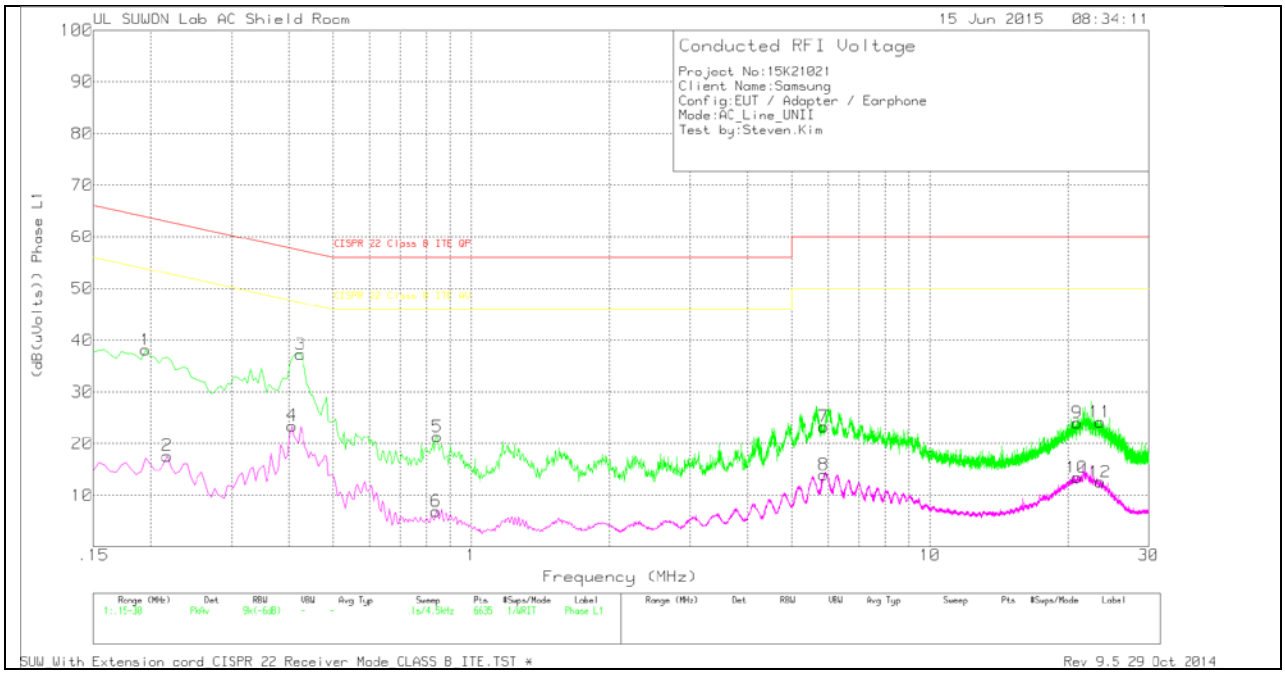
6 WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_with ex-cord_L1	CE Shield Room	Corrected Reading (dBuV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.195	28.12	Pk	10	0	38.12	63.82	-25.7	-	-
2	.2175	7.83	Av	9.8	0	17.63	-	-	52.91	-35.28
3	.4245	27.19	Pk	10.1	0	37.29	57.36	-20.07	-	-
4	.4065	13.36	Av	10.1	0	23.46	-	-	47.72	-24.26
5	.843	11.42	Pk	9.9	0	21.32	56	-34.68	-	-
6	.8385	-2.99	Av	9.9	0	6.91	-	-	46	-39.09
7	5.8695	13.37	Pk	9.8	.1	23.27	60	-36.73	-	-
8	5.8695	4.07	Av	9.8	.1	13.97	-	-	50	-36.03
9	20.9265	13.41	Pk	10.4	.2	24.01	60	-35.99	-	-
10	20.9175	2.81	Av	10.4	.2	13.41	-	-	50	-36.59
11	23.5275	13.43	Pk	10.5	.2	24.13	60	-35.87	-	-
12	23.5275	1.87	Av	10.5	.2	12.57	-	-	50	-37.43

Pk - Peak detector
Av - Average detection

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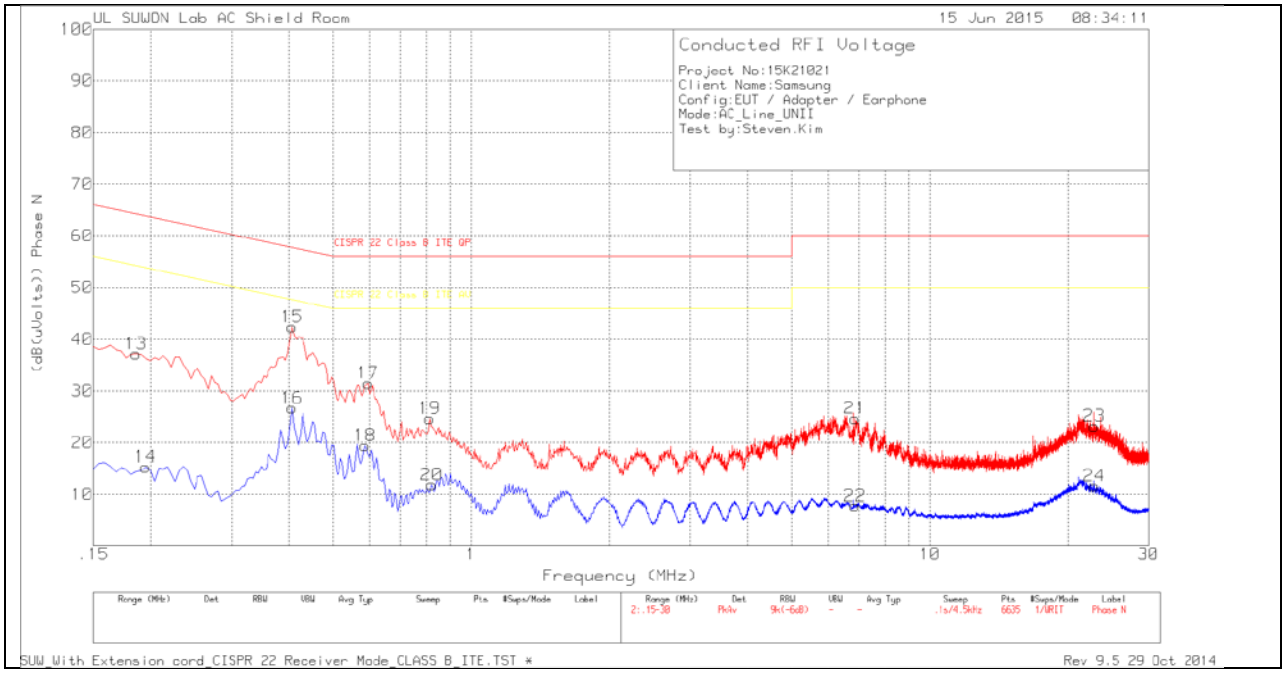
LINE 2 PLOT



LINE 2 RESULTS

Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_with ex-cord_N	CE Shield Room	Corrected Reading (dBuV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.186	27.17	Pk	10	0	37.17	64.21	-27.04	-	-
14	.195	5.3	Av	10	0	15.3	-	-	53.82	-38.52
15	.4065	32.31	Pk	10.1	0	42.41	57.72	-15.31	-	-
16	.4065	16.57	Av	10.1	0	26.67	-	-	47.72	-21.05
17	.5955	21.4	Pk	10.1	0	31.5	56	-24.5	-	-
18	.5865	9.32	Av	10.1	0	19.42	-	-	46	-26.58
19	.8115	14.77	Pk	9.9	0	24.67	56	-31.33	-	-
20	.8205	1.92	Av	9.9	0	11.82	-	-	46	-34.18
21	6.8685	14.69	Pk	9.9	.1	24.69	60	-35.31	-	-
22	6.8685	-2.26	Av	9.9	.1	7.74	-	-	50	-42.26
23	22.8525	12.3	Pk	10.7	.2	23.2	60	-36.8	-	-
24	22.848	.71	Av	10.7	.2	11.61	-	-	50	-38.39

Pk - Peak detector
Av - Average detection

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14. DYNAMIC FREQUENCY SELECTION

14.1. OVERVIEW

14.1.1. LIMITS

INDUSTRY CANADA

IC RSS-247 is closely harmonized with FCC Part 15 DFS rules. The deviations are as follows:

RSS-247 Issue 1

Note: For the band 5600–5650 MHz, no operation is permitted.

Until further notice, devices subject to this annex shall not be capable of transmitting in the band 5600–5650 MHz. This restriction is for the protection of Environment Canada weather radars operating in this band.

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”.

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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.		

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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.	

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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

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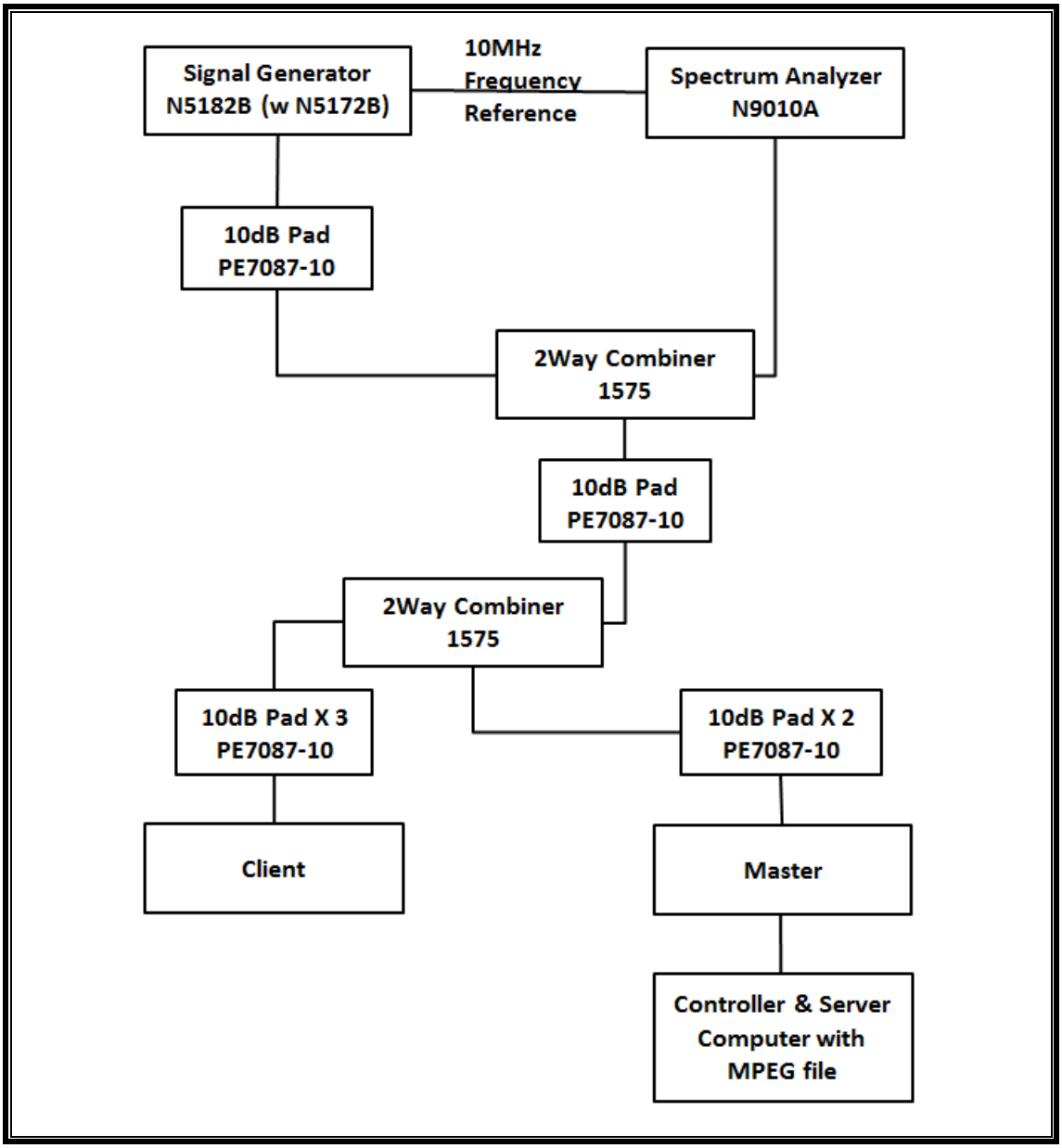
14.1.1. TEST AND MEASUREMENT SYSTEM

CONDUCTED METHOD SYSTEM BLOCK DIAGRAM



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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.

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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	09-23-15
Vector Signal Generator, 6GHz	Agilent / HP	N5182B	MY53051241	09-23-15

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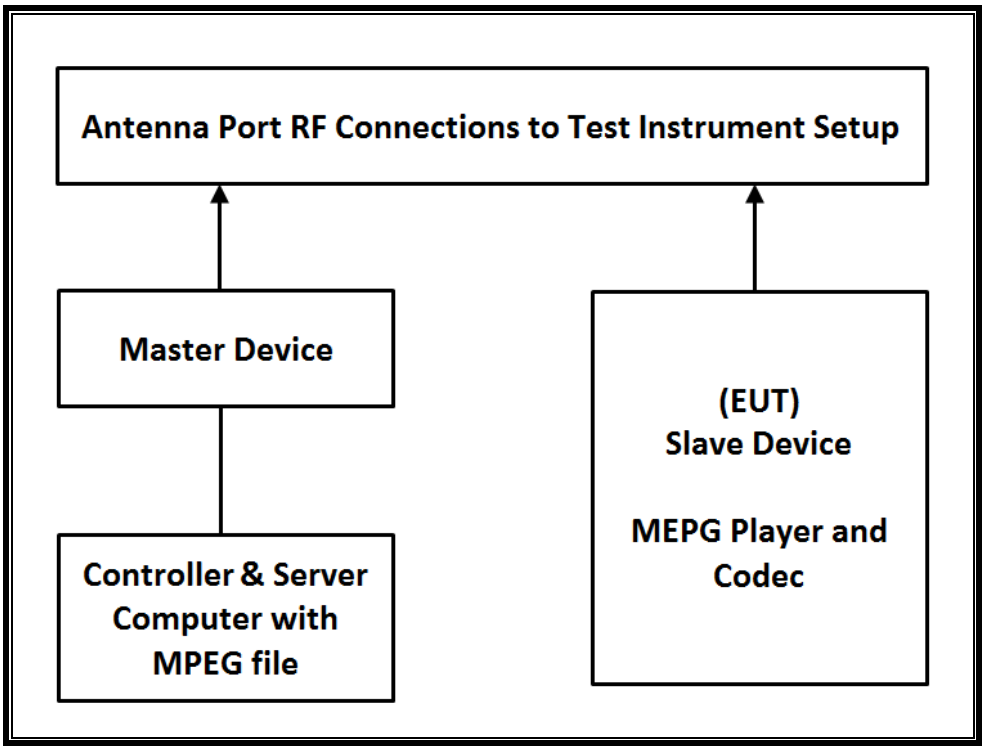
14.1.2. SETUP OF EUT

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
Notebook PC (Controller/Server)	HP	HP EliteDesk 800 G1 TWR	CZC4125J25	DoC

14.1.3. DESCRIPTION OF EUT

The EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges excluding the 5600-5650 MHz range.

The EUT is a Slave Device without Radar Detection.

The highest power level within these bands is 14.37 dBm EIRP in the 5250-5350 MHz band and 14.37 dBm EIRP in the 5470-5725 MHz band.

The antenna assembly utilized two antenna with the EUT one is -1.27 dBi, and the other is -1.95 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 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 802.11ac architecture. Three nominal channel bandwidths are implemented: 20 MHz, 40 MHz and 80 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.

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14.2. RESULTS FOR 20 MHz BANDWIDTH

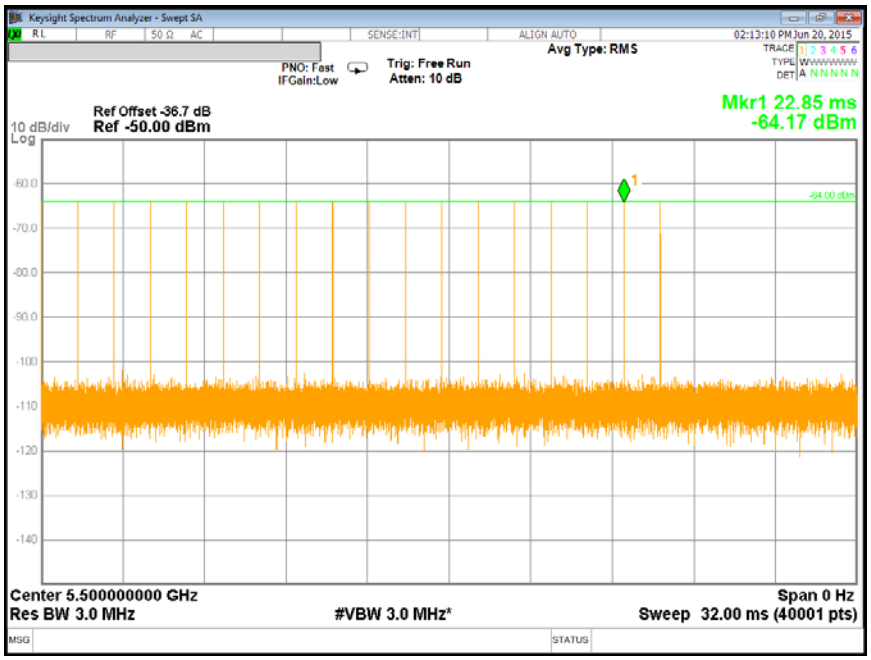
14.2.1. TEST CHANNEL

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

14.2.2. RADAR WAVEFORM AND TRAFFIC

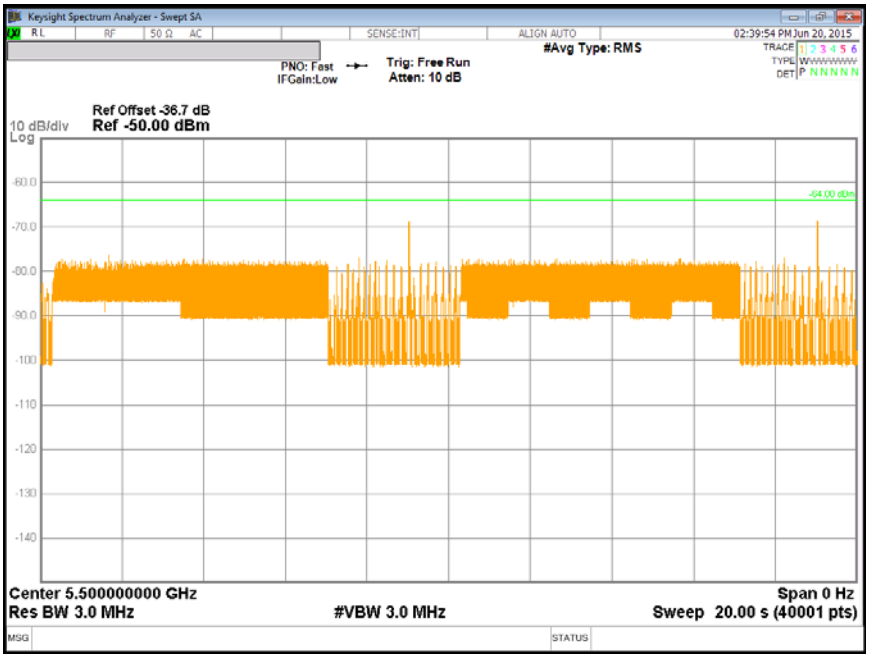
RADAR WAVEFORM

SHORT PULSE RADAR TYPE 0 AT MASTER



TRAFFIC

SLAVE TRAFFIC



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14.2.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

14.2.4. 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)
0.619	10

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

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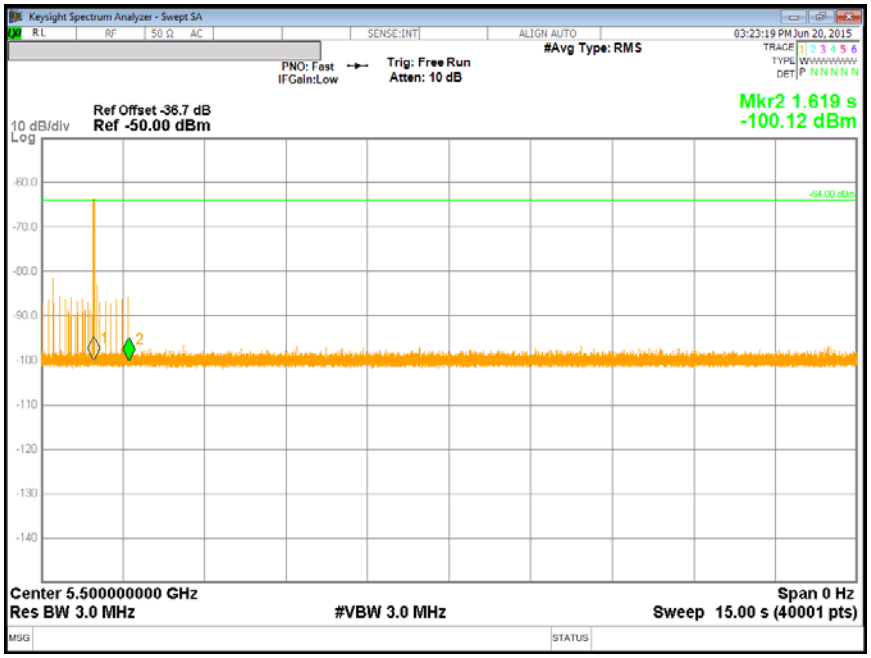
MOVE TIME & CHANNEL CLOSING TIME

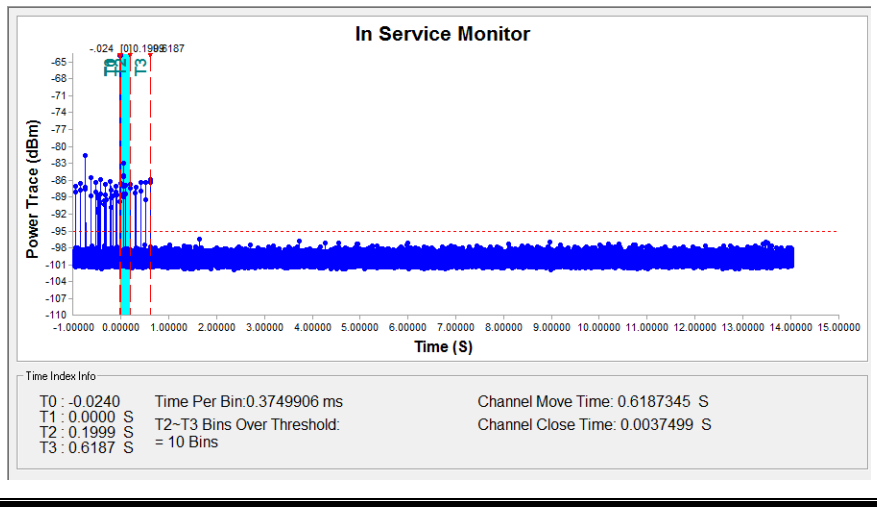
AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.

MOVE TIME & AGGREGATE CHANNEL CLOSING TRANSMISSION TIME



MOVE TIME & CLOSING TIME AT IN SERVISE MONITER



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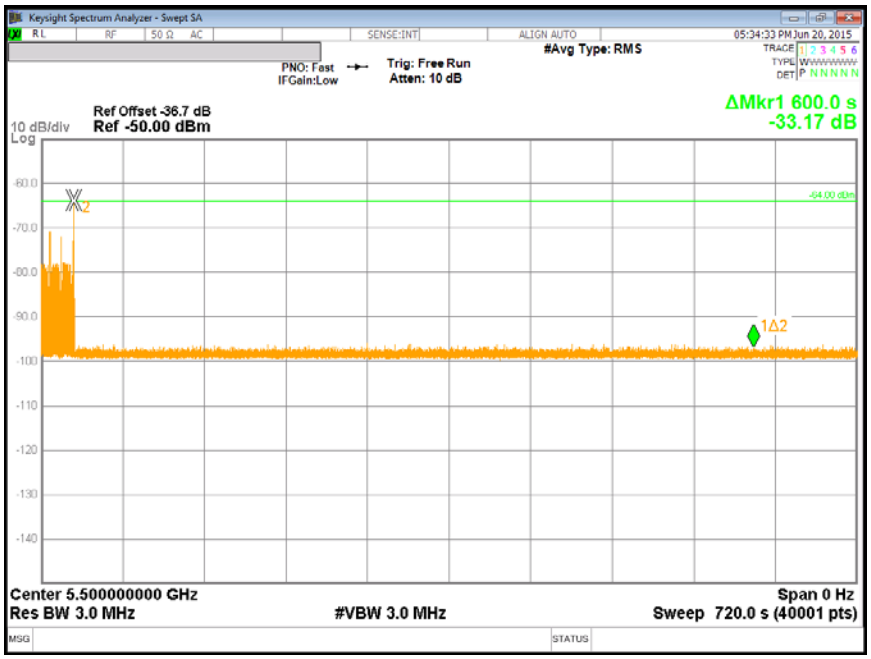
NON-OCCUPANCY PERIOD

RESULTS

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

10-MINUTE BEACON MONITORING PERIOD



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14.3. RESULTS FOR 40 MHz BANDWIDTH

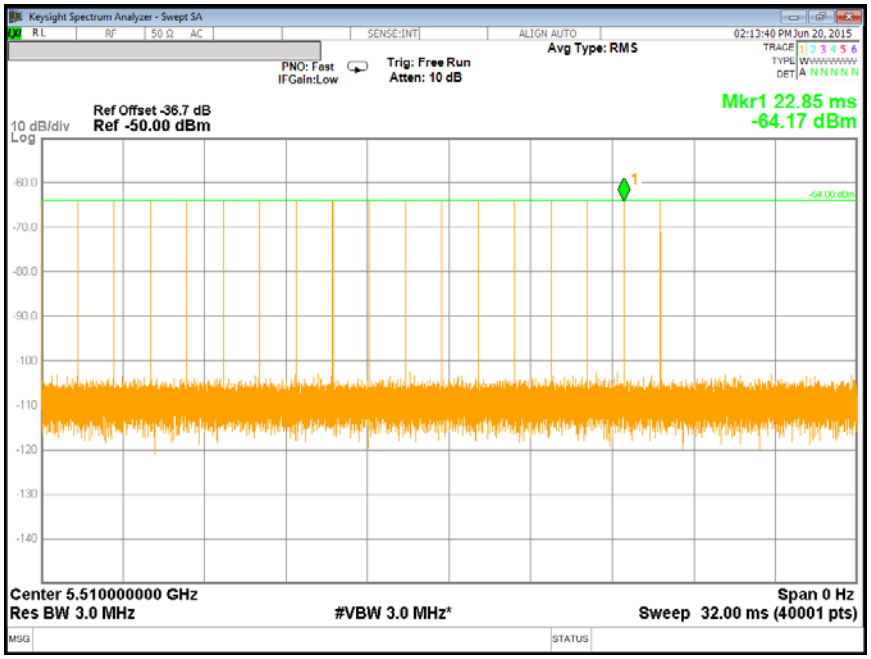
14.3.1. TEST CHANNEL

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

14.3.2. RADAR WAVEFORM AND TRAFFIC

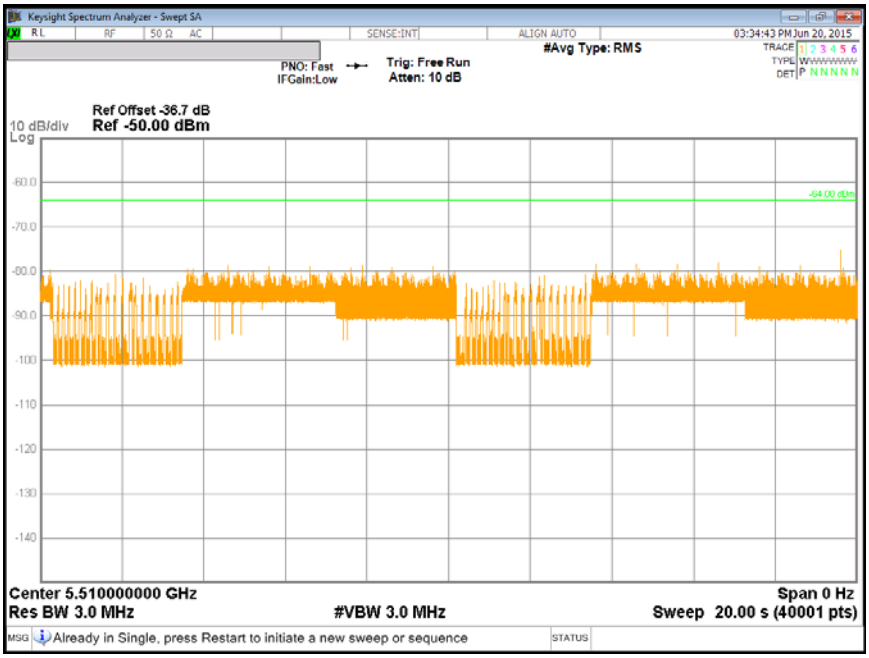
RADAR WAVEFORM

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)
0.614	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
2.625	60

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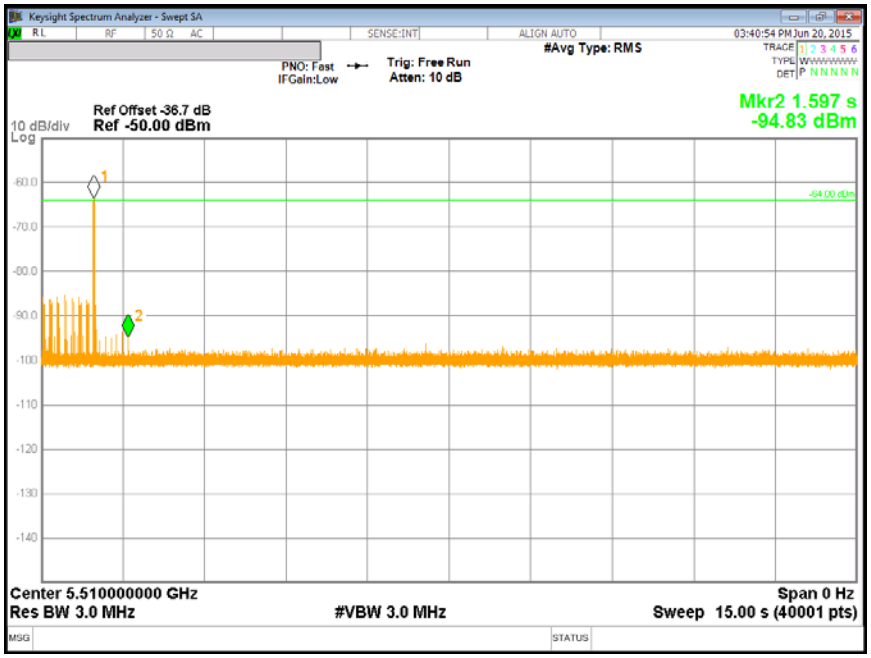
MOVE TIME & CHANNEL CLOSING TIME

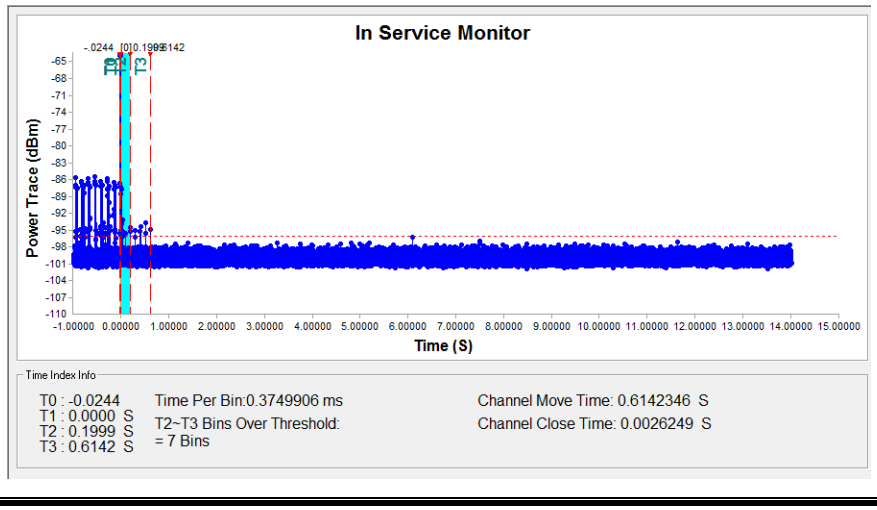
AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.

MOVE TIME & AGGREGATE CHANNEL CLOSING TRANSMISSION TIME



MOVE TIME & CLOSING TIME AT IN SERVISE MONITER



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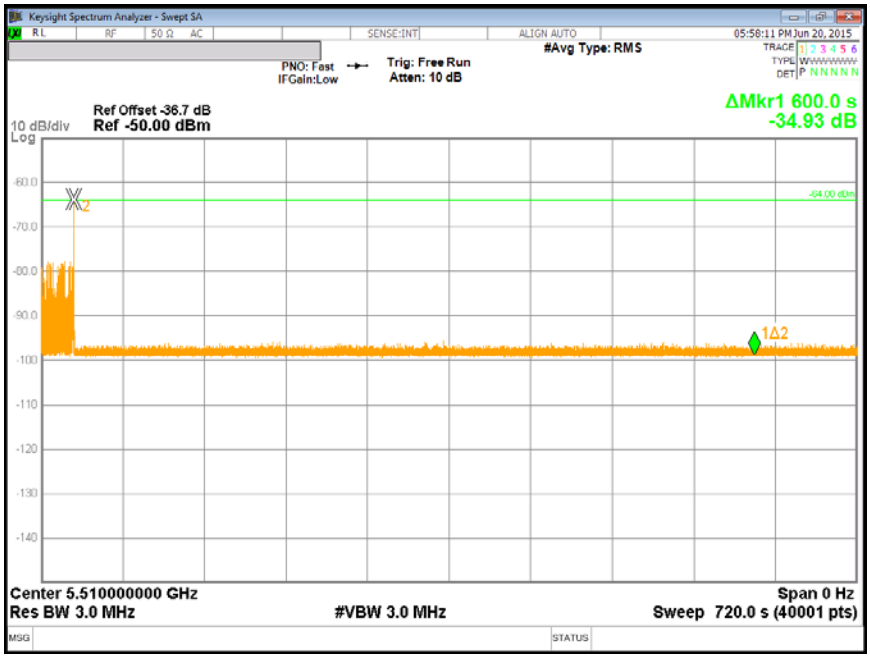
NON-OCCUPANCY PERIOD

RESULTS

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

10-MINUTE BEACON MONITORING PERIOD



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14.4. RESULTS FOR 80 MHz BANDWIDTH

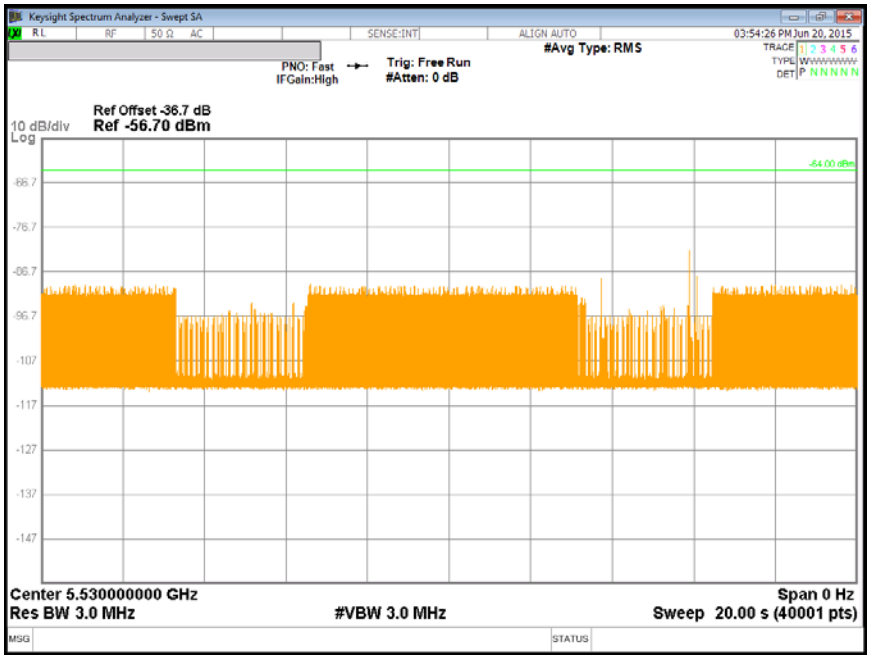
14.4.1. TEST CHANNEL

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



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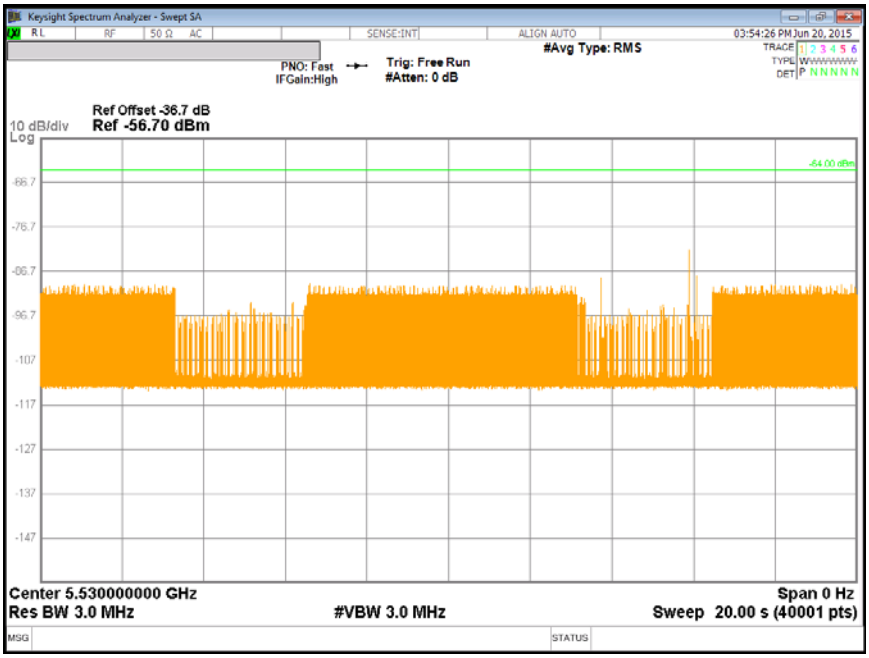
TRAFFIC

SLAVE TRAFFIC



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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)
0.608	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
3.000	60

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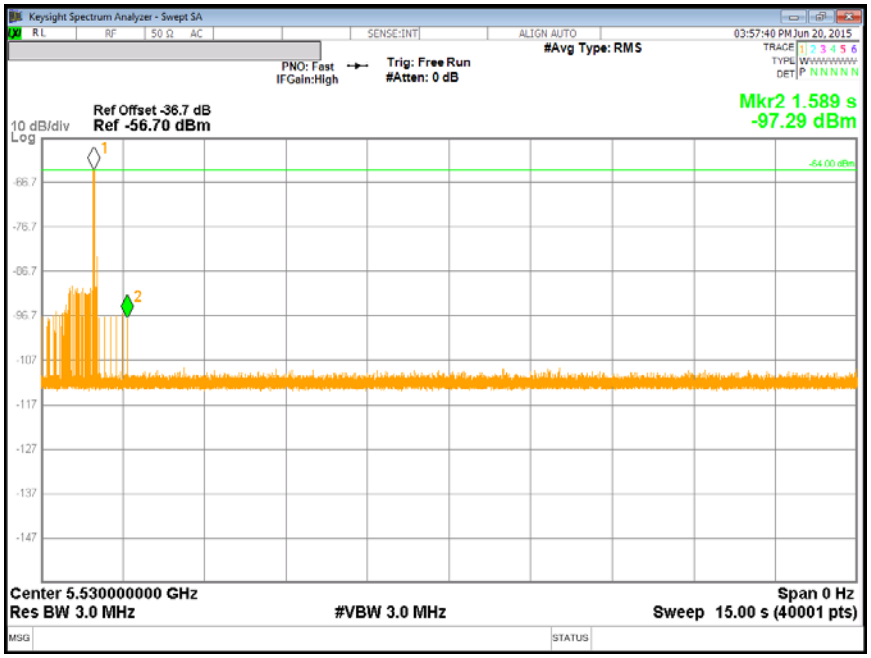
MOVE TIME & CHANNEL CLOSING TIME

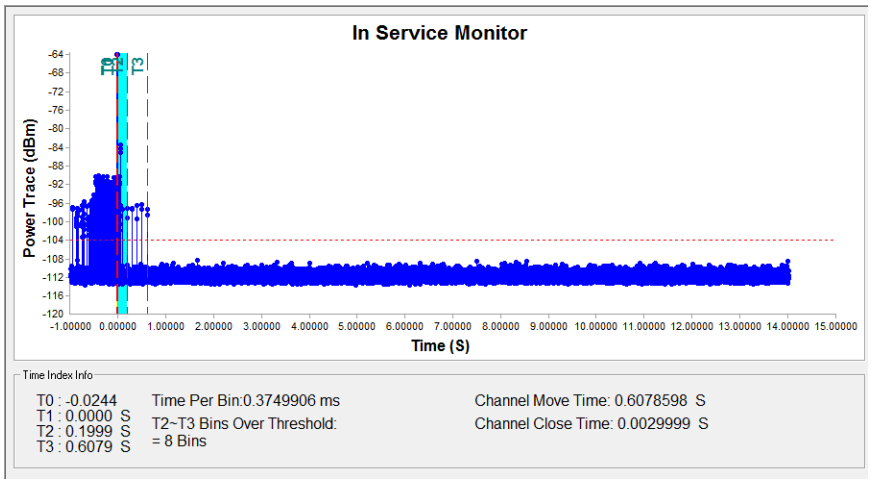
AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.

MOVE TIME & AGGREGATE CHANNEL CLOSING TRANSMISSION TIME



MOVE TIME & CLOSING TIME AT IN SERVISE MONITER



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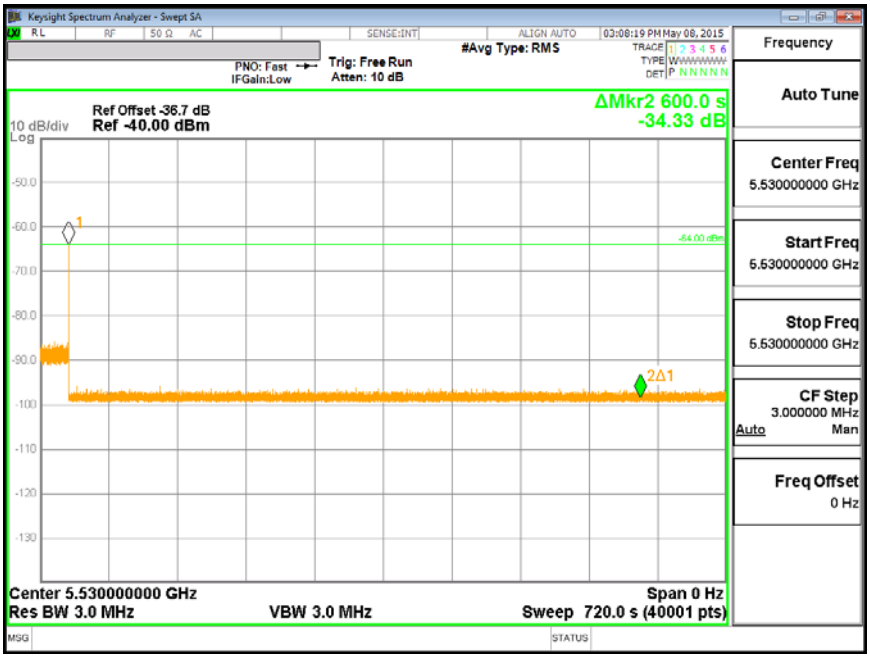
NON-OCCUPANCY PERIOD

RESULTS

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

10-MINUTE BEACON MONITORING PERIOD



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