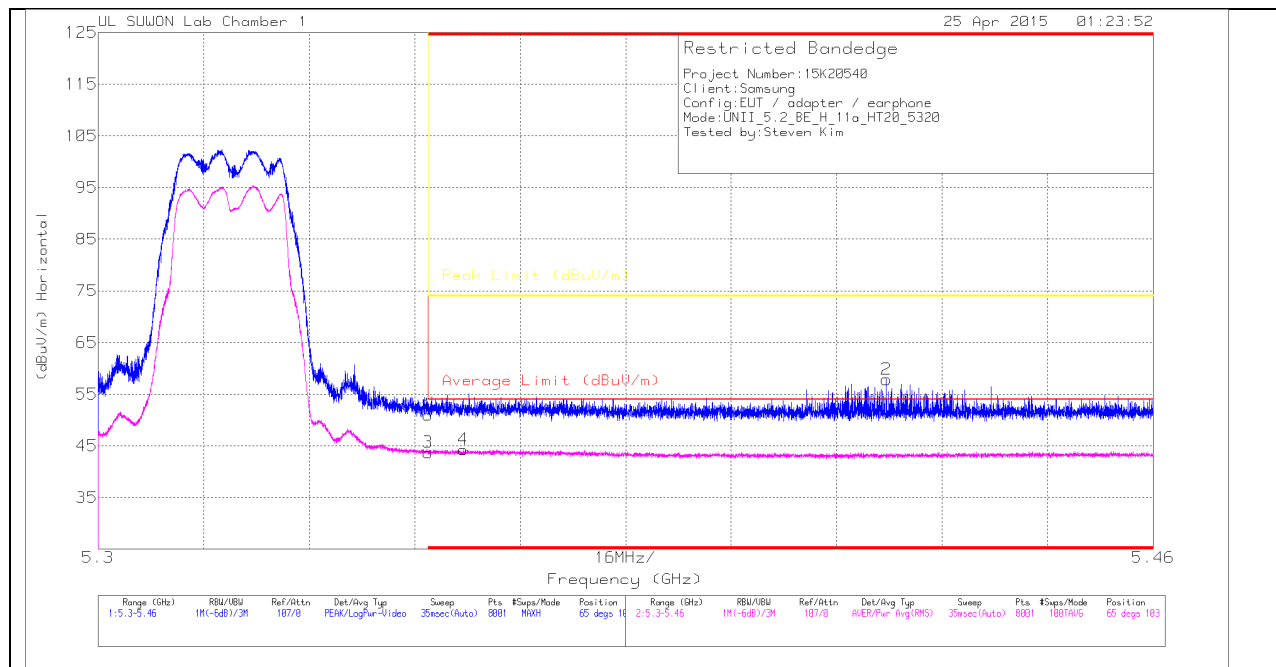


11.2. 5.3 GHz

11.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

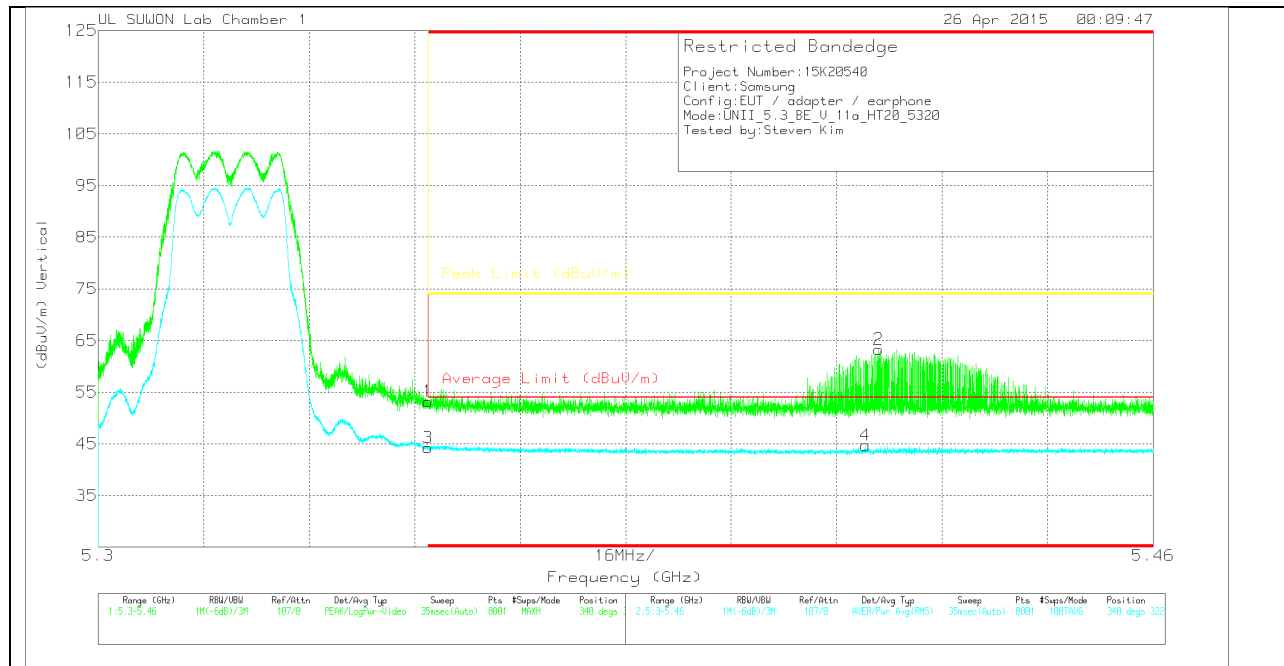
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.33	PK	33.3	-19.6	0	51.03	-	-	74	-22.97	65	103	H
2	* 5.42	43.67	PK	33.5	-19.3	0	57.87	-	-	74	-16.13	65	103	H
3	* 5.35	29.72	RMS	33.3	-19.6	.31	43.73	54	-10.27	-	-	65	103	H
4	* 5.355	30.29	RMS	33.3	-19.6	.31	44.3	54	-9.7	-	-	65	103	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	31150 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	* 5.35	39.49	PK	33.3	-19.6	0	53.19	-	-	74	-20.81	340	322	V
2	* 5.418	49.08	PK	33.5	-19.3	0	63.28	-	-	74	-10.72	340	322	V
3	* 5.35	30.24	RMS	33.3	-19.6	.31	44.25	54	-9.75	-	-	340	322	V
4	* 5.416	30.2	RMS	33.5	-19.3	.31	44.71	54	-9.29	-	-	340	322	V

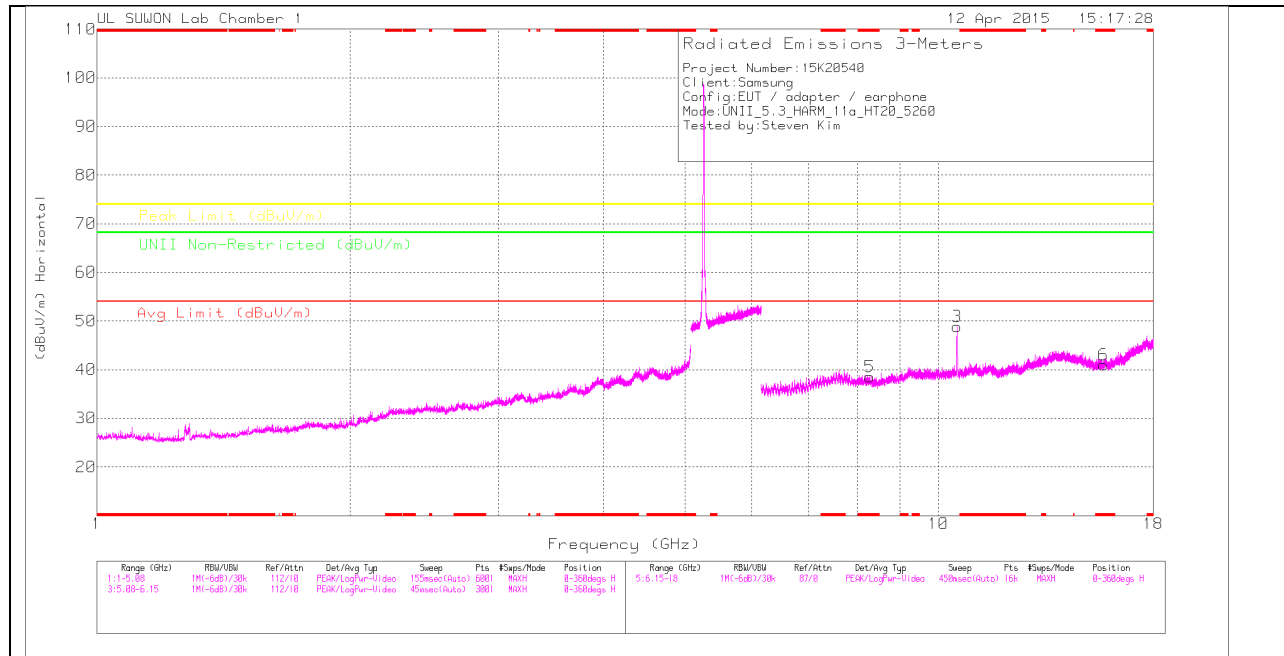
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

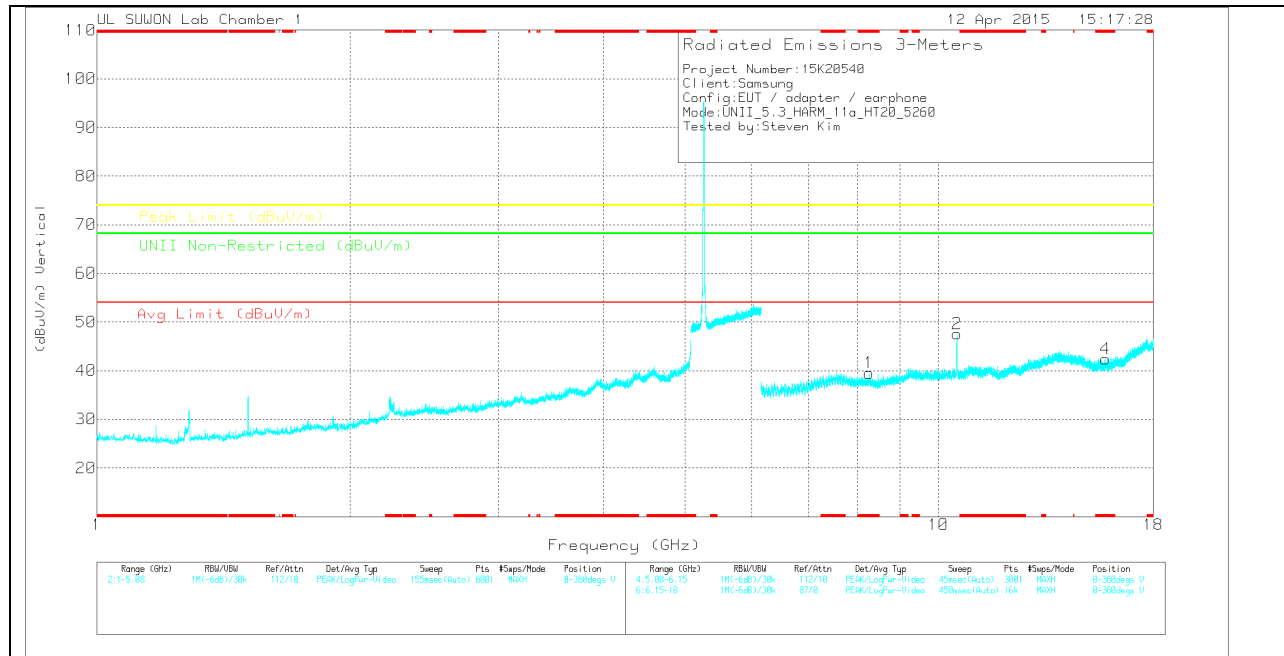
RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	10.517	31.77	PK	38.4	-21.3	0	48.87	-	-	-	-	68.2	-19.33	0-360	100	H
5	* 8.287	24.87	PK	37	-23.3	0	38.57	-	-	74	-35.43	-	-	0-360	200	H
6	* 15.71	22.17	PK	38.6	-19.8	0	40.97	-	-	74	-33.03	-	-	0-360	100	H
1	* 8.273	25.89	PK	37	-23.4	0	39.49	-	-	74	-34.51	-	-	0-360	100	V
2	10.521	30.45	PK	38.4	-21.3	0	47.55	-	-	-	-	68.2	-20.65	0-360	200	V
4	* 15.789	22.75	PK	38.6	-19	0	42.35	-	-	74	-31.65	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

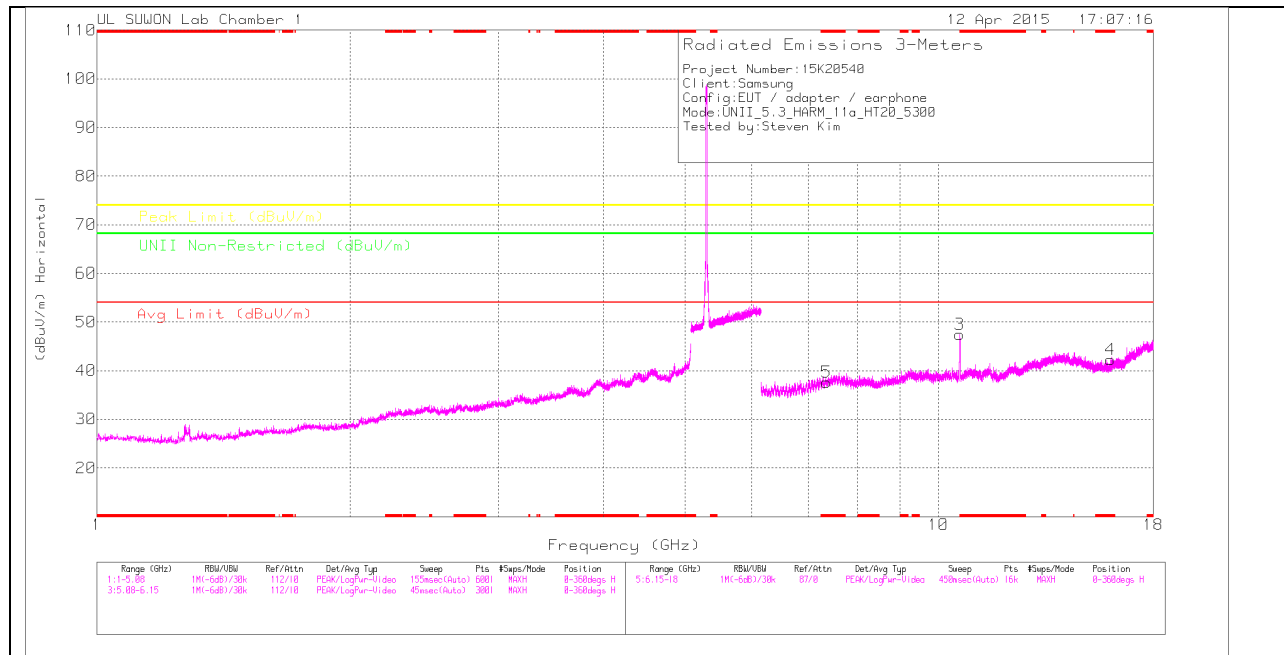
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.523	42.62	PK1	38.4	-21.3	0	59.72	-	-	-	-	68.2	-8.48	190	103	H
10.522	30.24	AD1	38.4	-21.3	0	47.34	-	-	-	-	-	-	190	103	H
* 10.6	39.57	PK1	38.4	-20.9	0	57.07	-	-	74	-16.93	-	-	189	119	V
* 10.6	26.25	AD1	38.4	-20.9	0	43.75	54	-10.25	-	-	-	-	189	119	V

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

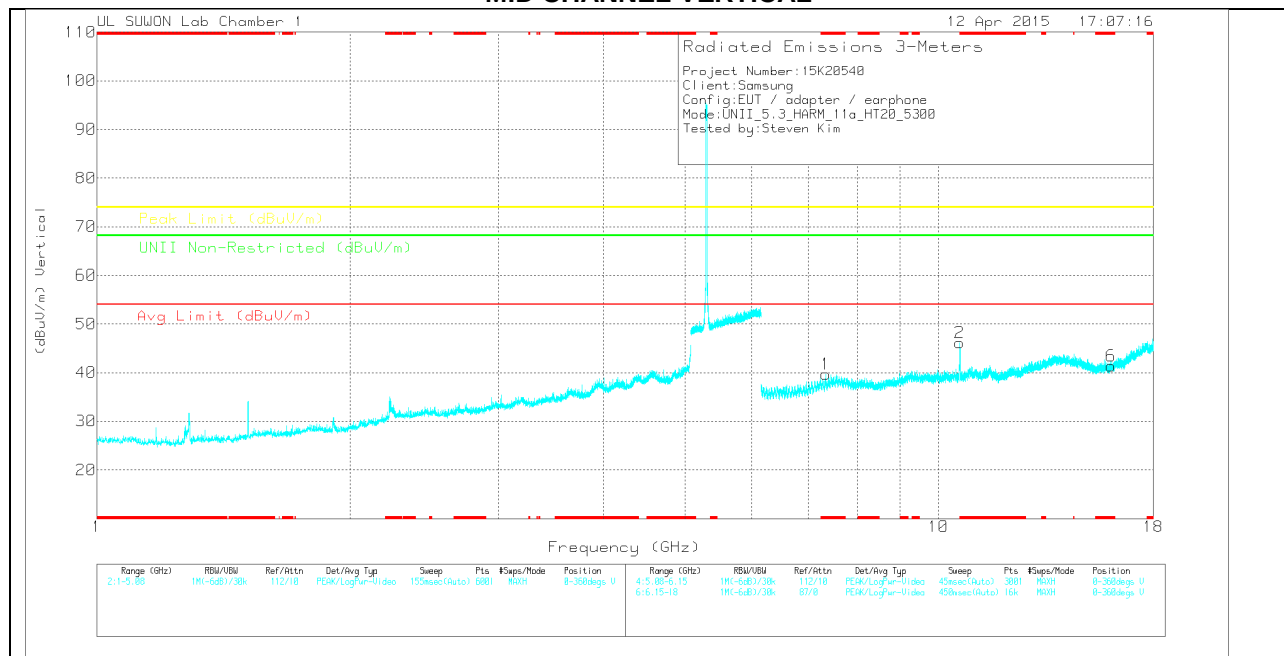
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	* 10.602	29.88	PK	38.4	-20.8	0	47.48	-	-	74	-26.52	-	-	0-360	100	H
4	* 16.008	22.22	PK	38.7	-18.7	0	42.22	-	-	74	-31.78	-	-	0-360	200	H
5	* 7.364	25.07	PK	37.2	-24.6	0	37.67	-	-	74	-36.33	-	-	0-360	200	H
1	* 7.346	27.03	PK	37.2	-24.5	0	39.73	-	-	74	-34.27	-	-	0-360	100	V
2	10.596	28.66	PK	38.4	-20.9	0	46.16	-	-	-	-	68.2	-22.04	0-360	100	V
6	* 16.035	21.19	PK	38.8	-18.6	0	41.39	-	-	74	-32.61	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

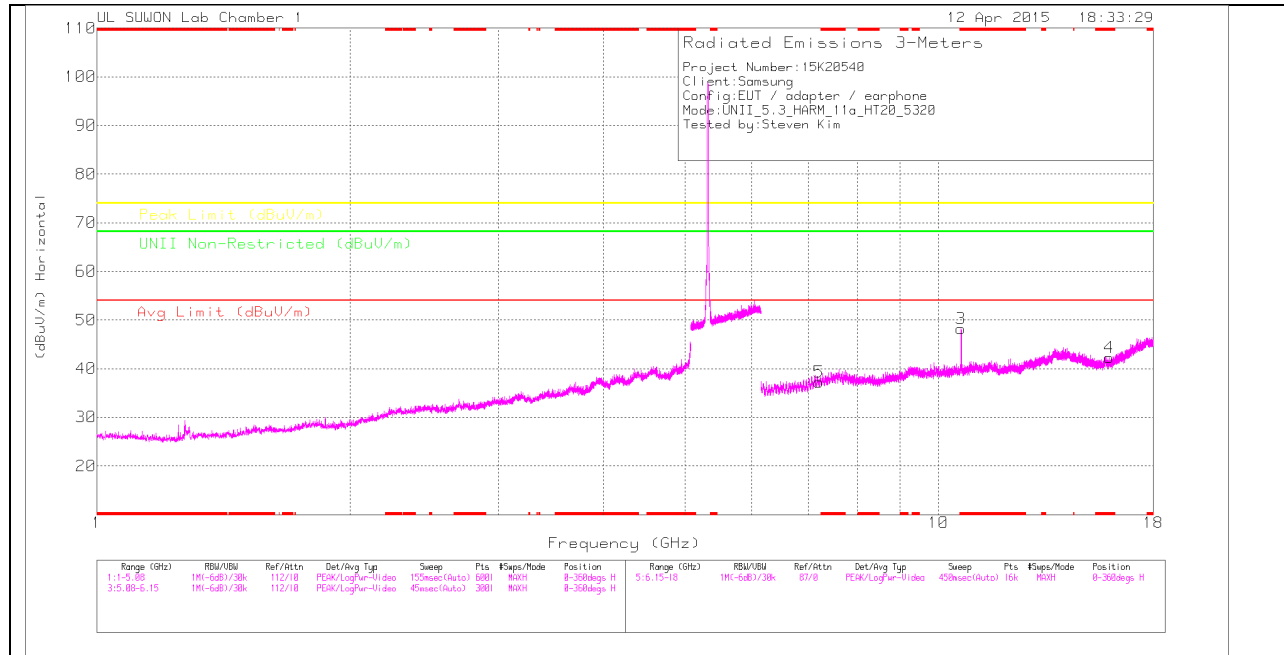
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.523	42.62	PK1	38.4	-21.3	0	59.72	-	-	-	-	68.2	-8.48	190	103	H
10.522	30.24	AD1	38.4	-21.3	0	47.34	-	-	-	-	-	-	190	103	H
* 10.6	39.57	PK1	38.4	-20.9	0	57.07	-	-	74	-16.93	-	-	189	119	V
* 10.6	26.25	AD1	38.4	-20.9	.31	44.06	54	-9.94	-	-	-	-	189	119	V

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

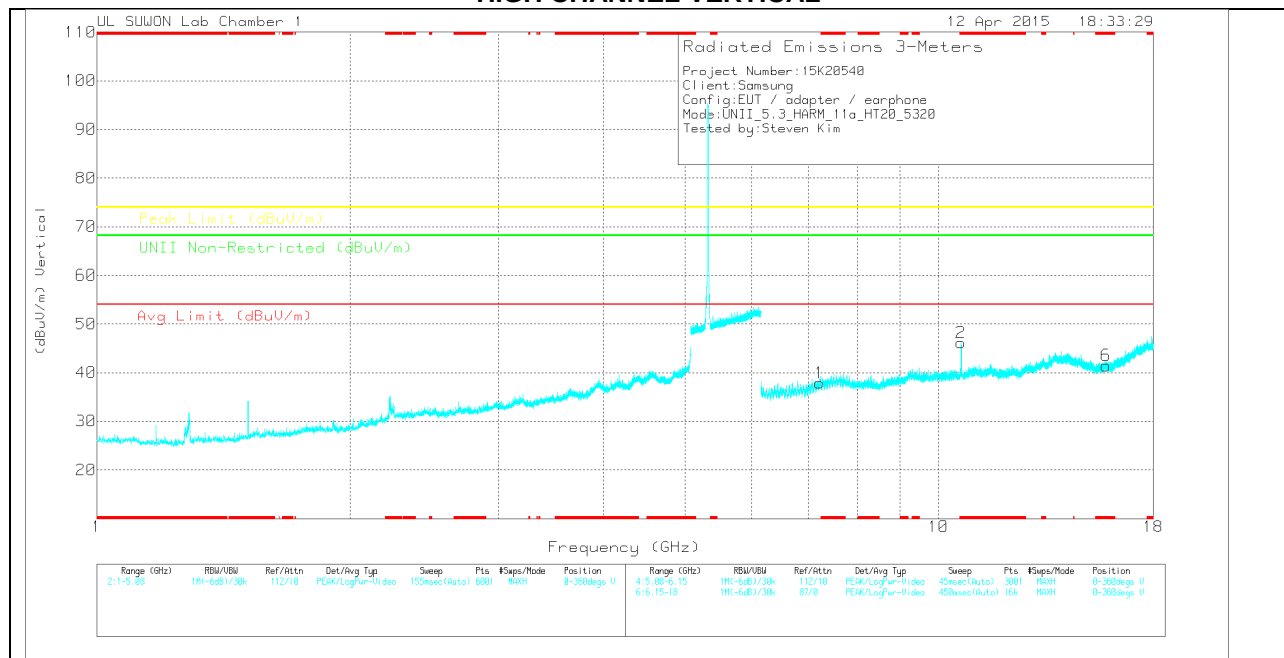
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	31150 Factor	Path_5_6G HP	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	* 10.642	29.91	PK	38.5	-20.2	0	48.21	-	-	74	-25.79	-	-	0-360	200	H
4	* 15.947	22.31	PK	38.7	-18.7	0	42.31	-	-	74	-31.69	-	-	0-360	100	H
5	7.21	25.62	PK	37	-25.4	0	37.22	-	-	-	-	68.2	-30.98	0-360	100	H
1	7.218	26.25	PK	37	-25.4	0	37.85	-	-	-	-	68.2	-30.35	0-360	200	V
2	* 10.642	27.82	PK	38.5	-20.2	0	46.12	-	-	74	-27.88	-	-	0-360	100	V
6	* 15.816	21.53	PK	38.6	-18.7	0	41.43	-	-	74	-32.57	-	-	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	31150 Factor	Path_5_6GHP	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
* 10.638	36.2	PK1	38.5	-20.3	0	54.4	-	-	74	-19.6	-	-	82	275	H
* 10.643	26.28	AD1	38.5	-20.2	.31	44.89	54	-9.11	-	-	-	-	82	275	H
* 10.6	39.57	PK1	38.4	-20.9	0	57.07	-	-	74	-16.93	-	-	189	119	V
* 10.6	26.25	AD1	38.4	-20.9	0	43.75	54	-10.25	-	-	-	-	189	119	V

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

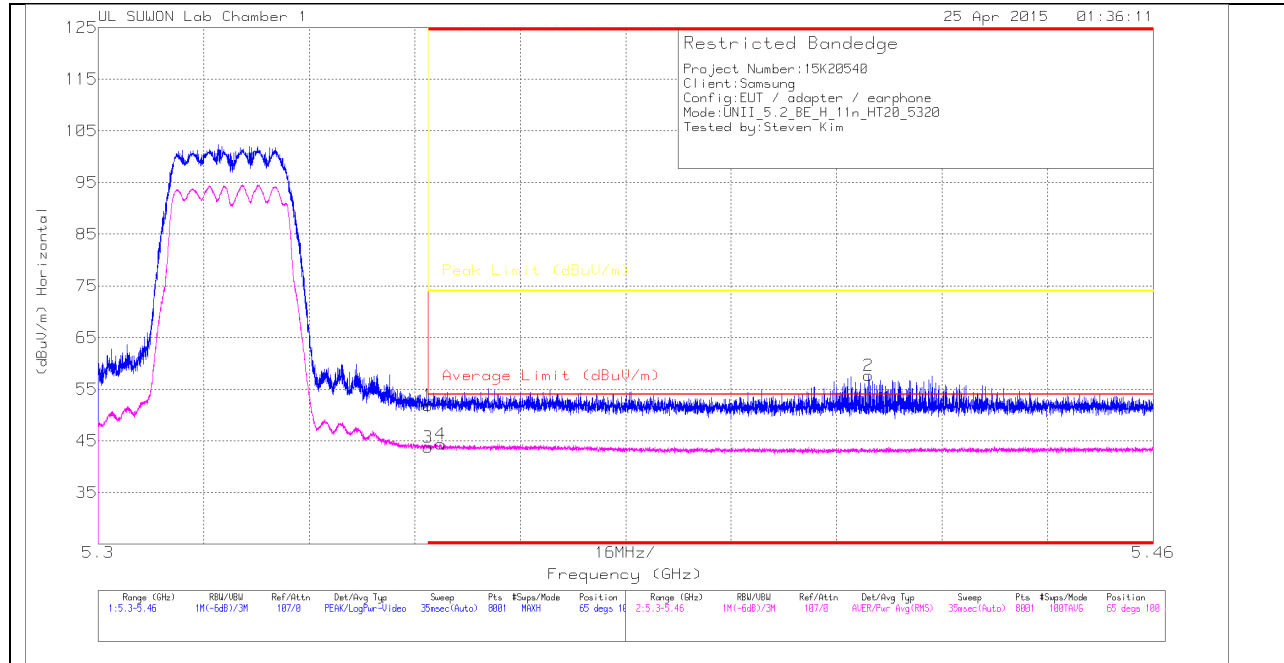
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

11.2.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

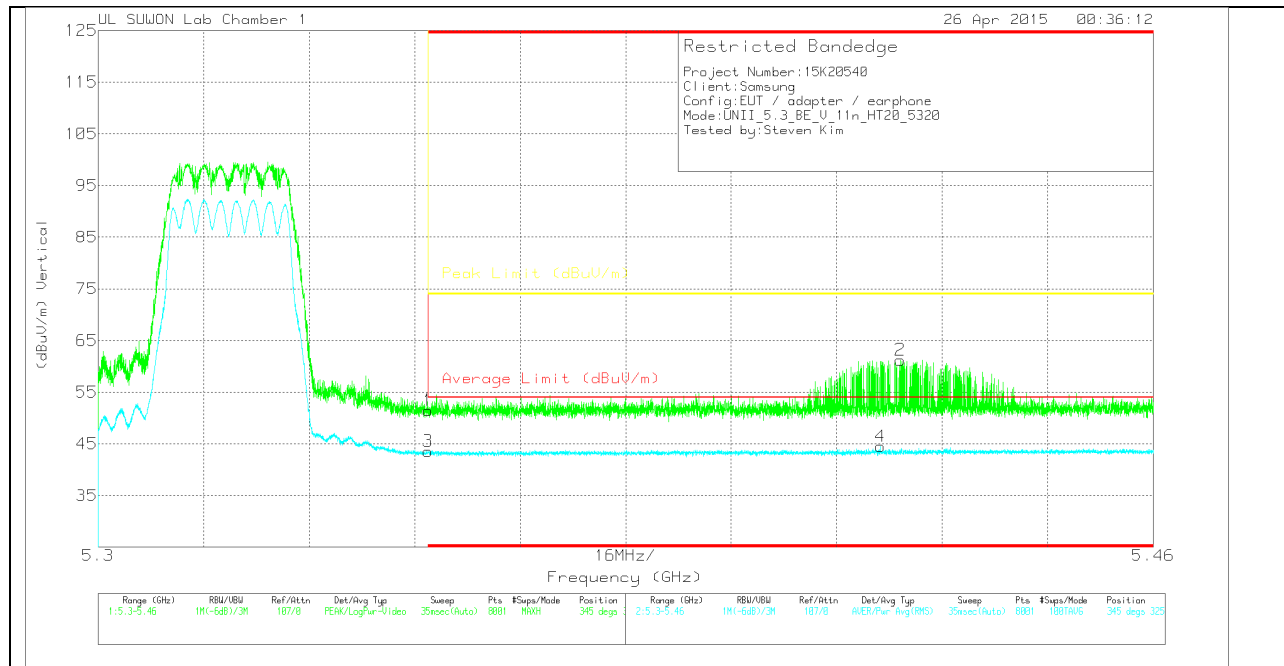
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.17	PK	33.3	-19.6	0	51.87	-	-	74	-22.13	65	100	H
2	* 5.417	43.43	PK	33.5	-19.3	0	57.63	-	-	74	-16.37	65	100	H
3	* 5.35	29.73	RMS	33.3	-19.6	.33	43.76	54	-10.24	-	-	65	100	H
4	* 5.352	30.38	RMS	33.3	-19.6	.33	44.41	54	-9.59	-	-	65	100	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	31150 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	* 5.35	37.77	PK	33.3	-19.6	0	51.47	-	-	74	-22.53	345	325	V
2	* 5.422	47.03	PK	33.5	-19.3	0	61.23	-	-	74	-12.77	345	325	V
3	* 5.35	29.55	RMS	33.3	-19.6	.33	43.58	54	-10.42	-	-	345	325	V
4	* 5.419	30	RMS	33.5	-19.3	.33	44.53	54	-9.47	-	-	345	325	V

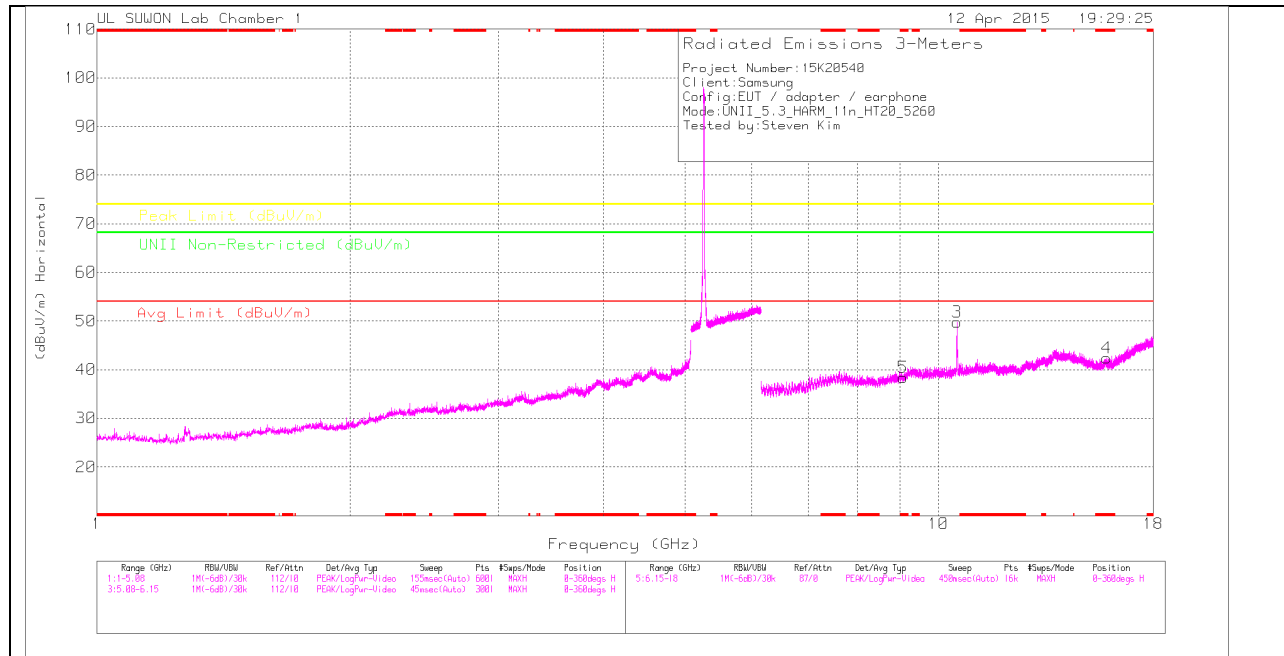
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

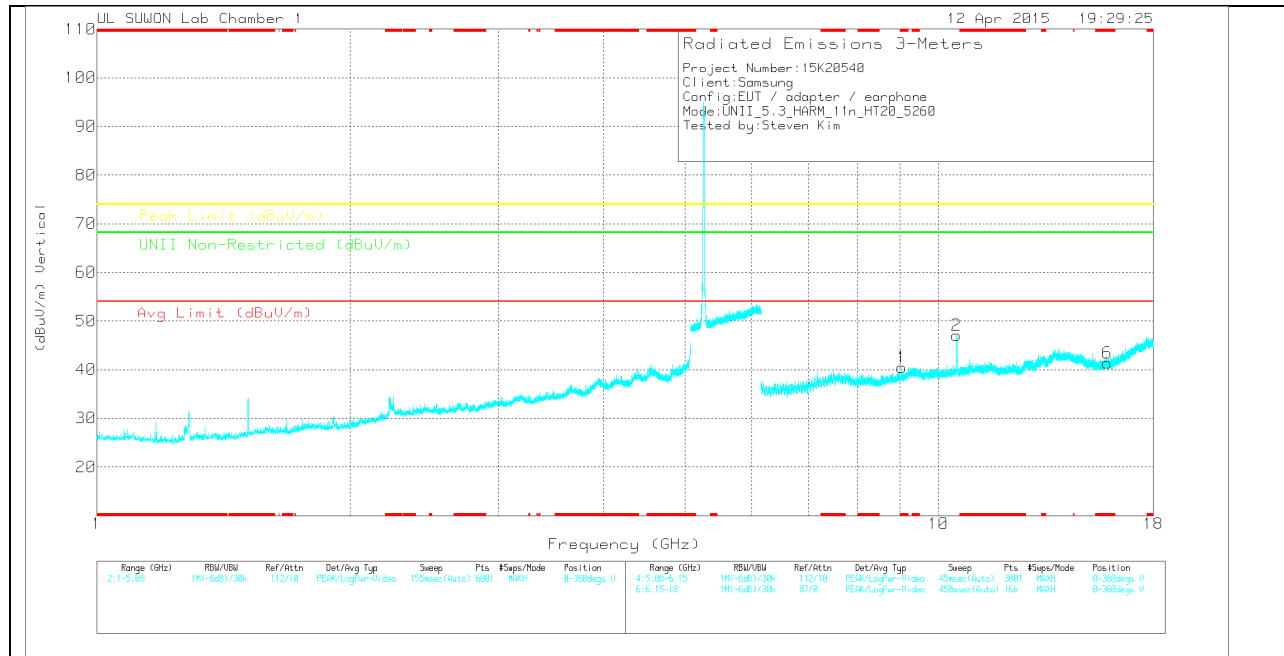
RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	10.516	32.64	PK	38.4	-21.3	0	49.74	-	-	-	-	68.2	-18.46	0-360	100	H
4	* 15.846	22.2	PK	38.6	-18.4	0	42.4	-	-	74	-31.6	-	-	0-360	100	H
5	* 9.08	23.42	PK	37.5	-22.5	0	38.42	-	-	74	-35.58	-	-	0-360	200	H
1	* 9.046	24.94	PK	37.5	-22	0	40.44	-	-	74	-33.56	-	-	0-360	200	V
2	10.513	29.94	PK	38.4	-21.3	0	47.04	-	-	-	-	68.2	-21.16	0-360	100	V
6	* 15.876	21.01	PK	38.7	-18.3	0	41.41	-	-	74	-32.59	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

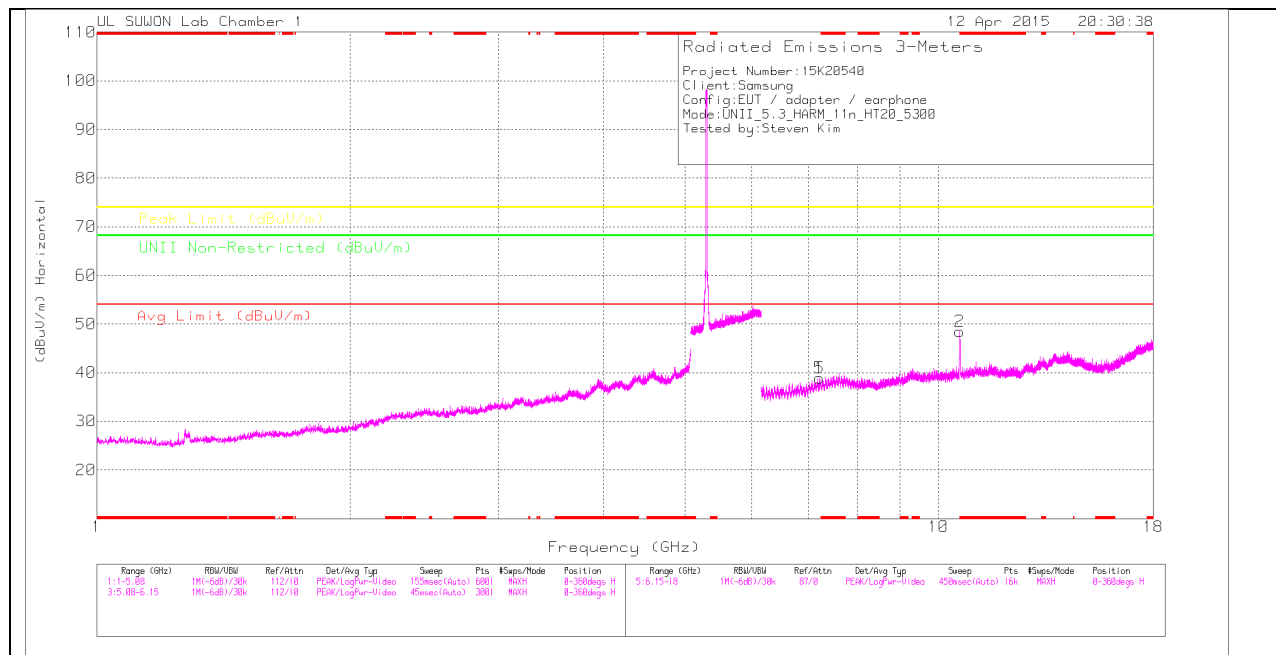
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.521	40.26	PK1	38.4	-21.3	0	57.36	-	-	-	-	68.2	-10.84	69	187	H
10.521	31.68	AD1	38.4	-21.3	.33	49.11	-	-	-	-	-	-	69	187	H
* 10.6	39.57	PK1	38.4	-20.9	0	57.07	-	-	74	-16.93	-	-	189	119	V
* 10.6	26.25	AD1	38.4	-20.9	0	43.75	54	-10.25	-	-	-	-	189	119	V

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

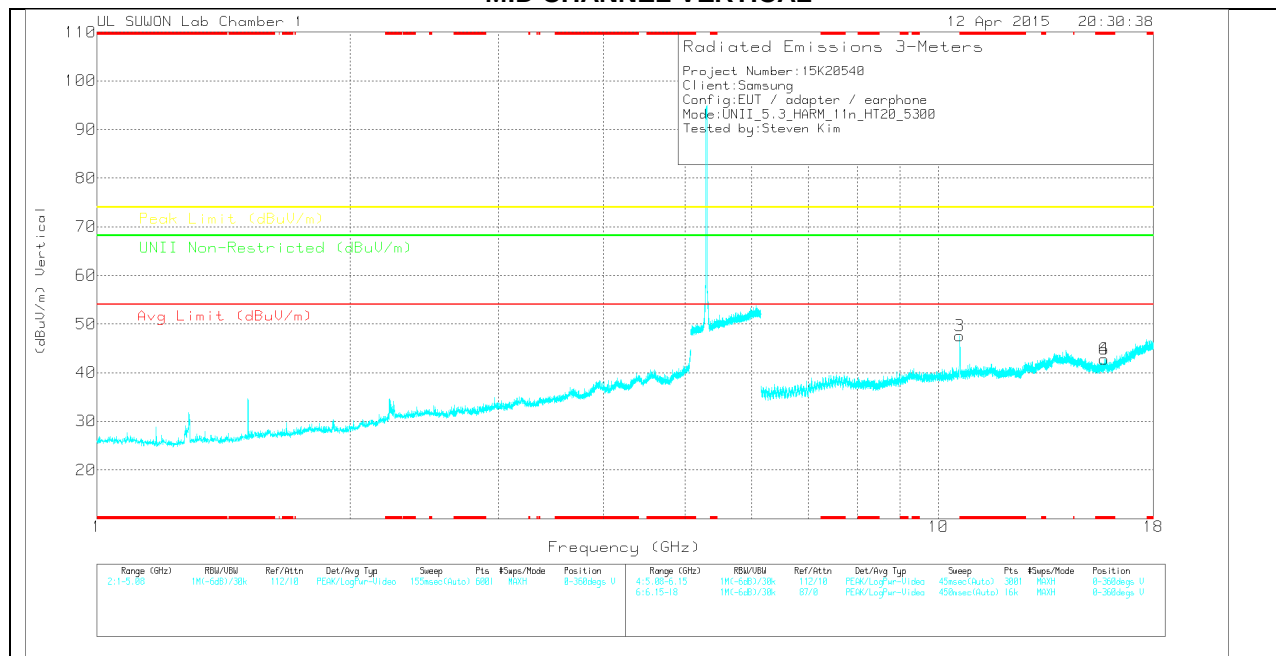
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	7.22	27.35	PK	37	-25.4	0	38.95	-	-	-	-	68.2	-29.25	0-360	100	H
2	10.598	31.01	PK	38.4	-20.9	0	48.51	-	-	-	-	68.2	-19.69	0-360	200	H
5	7.22	27.35	PK	37	-25.4	0	38.95	-	-	-	-	68.2	-29.25	0-360	100	H
3	* 10.6	30.11	PK	38.4	-20.9	0	47.61	-	-	74	-26.39	-	-	0-360	100	V
4	* 15.745	23.97	PK	38.6	-19.8	0	42.77	-	-	74	-31.23	-	-	0-360	200	V
6	* 15.745	23.97	PK	38.6	-19.8	0	42.77	-	-	74	-31.23	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

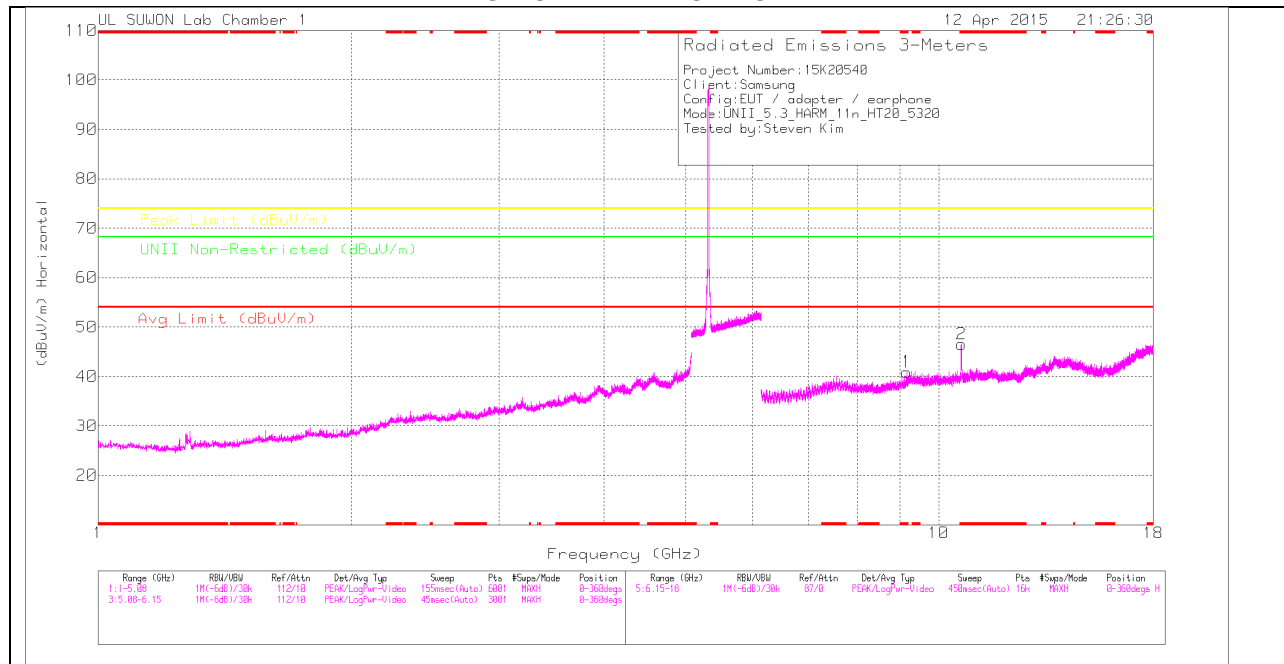
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.6	35.74	PK1	38.4	-20.9	0	53.24	-	-	74	-20.76	-	-	93	275	H
* 10.6	25.95	AD1	38.4	-20.9	.33	43.78	54	-10.22	-	-	-	-	93	275	H
* 10.6	39.57	PK1	38.4	-20.9	0	57.07	-	-	74	-16.93	-	-	189	119	V
* 10.6	26.25	AD1	38.4	-20.9	.33	44.08	54	-9.92	-	-	-	-	189	119	V

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

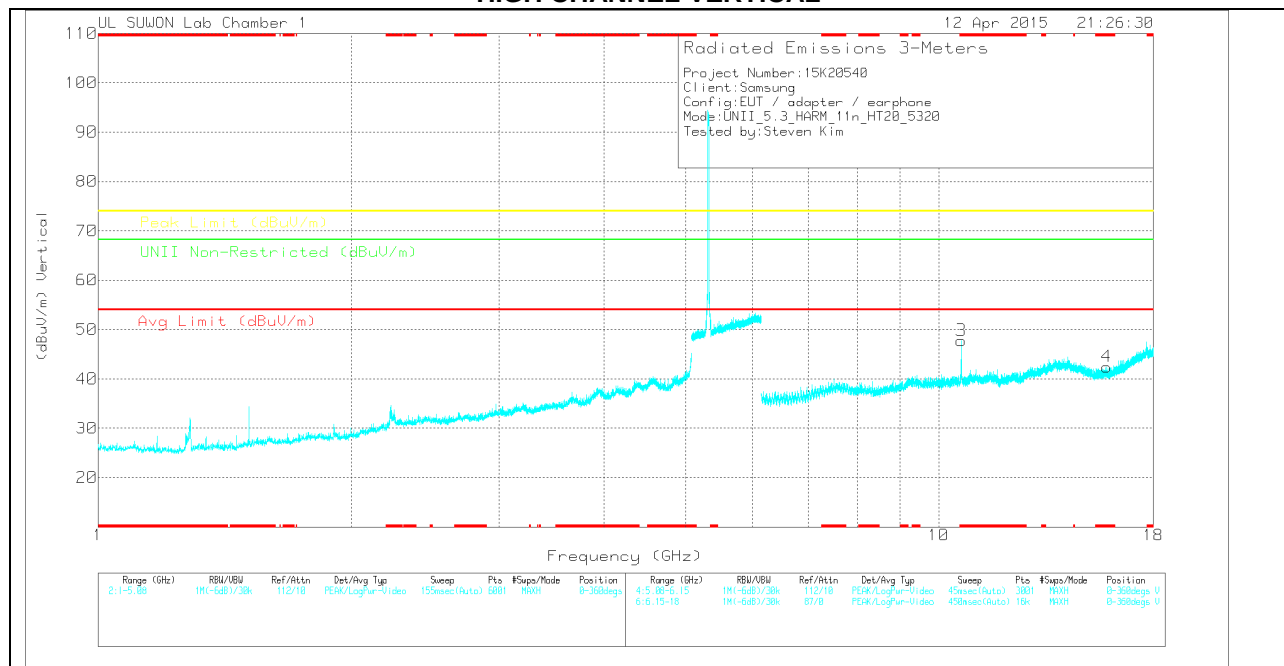
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_GG HP	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	* 9.159	25.9	PK	37.6	-22.6	0	40.9	-	-	74	-33.1	-	-	0-360	200	H
2	* 10.644	28.25	PK	38.5	-20.2	0	46.55	-	-	74	-27.45	-	-	0-360	200	H
3	* 10.638	29.56	PK	38.5	-20.3	0	47.76	-	-	74	-26.24	-	-	0-360	200	V
4	* 15.845	22.26	PK	38.6	-18.4	0	42.46	-	-	74	-31.54	-	-	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_5_GGHP	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	37.21	PK1	38.5	-20.2	0	55.51	-	-	74	-18.49	-	-	341	281	V
* 10.641	24.25	AD1	38.5	-20.2	.33	42.88	54	-11.12	-	-	-	-	341	281	V

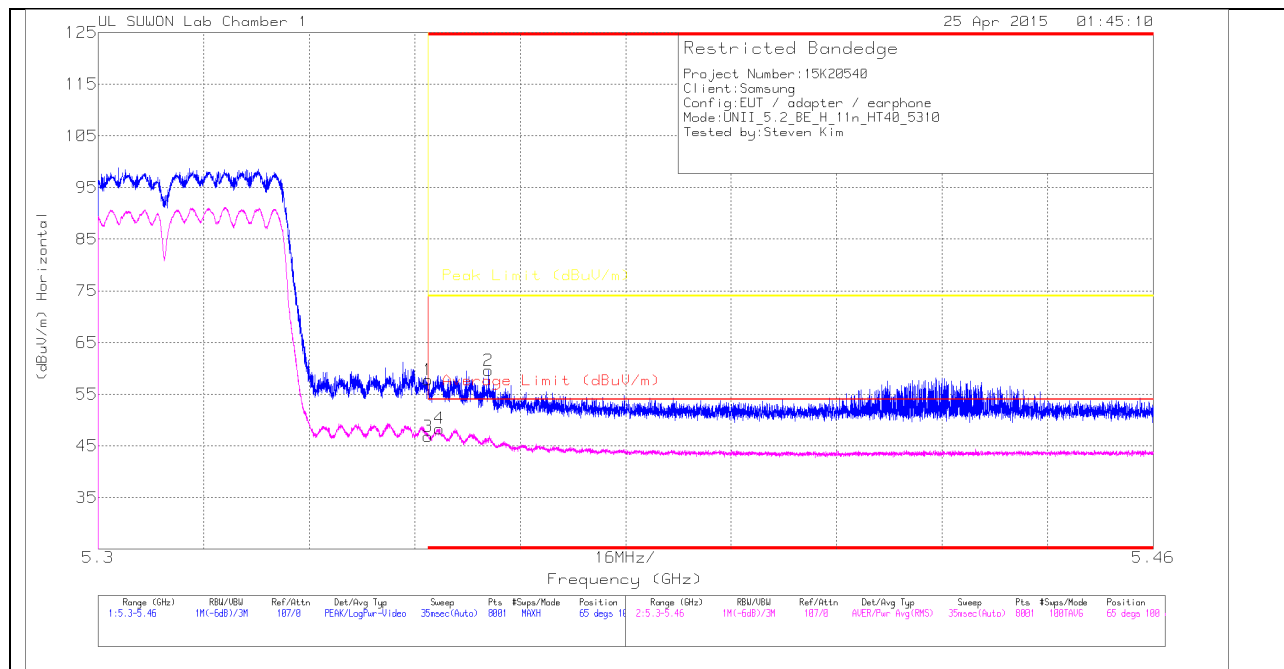
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

11.2.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

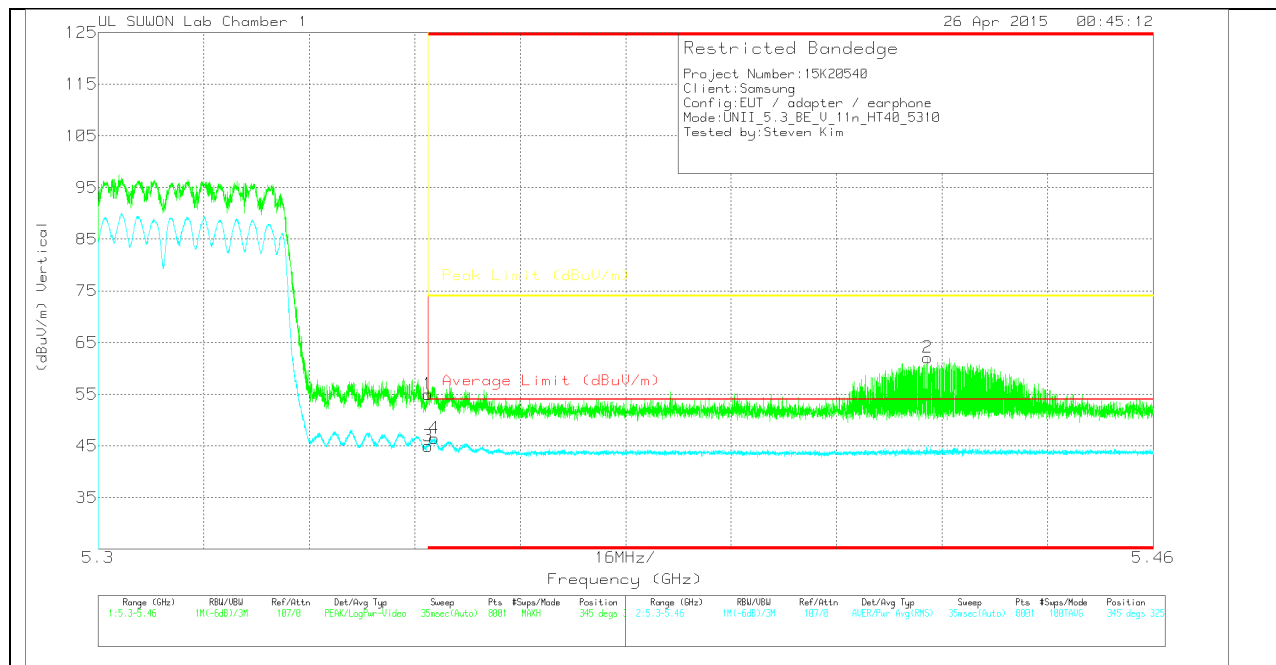
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	44.06	Pk	33.3	-19.6	0	57.76	-	-	74	-16.24	65	100	H
2	* 5.359	45.89	Pk	33.3	-19.6	0	59.59	-	-	74	-14.41	65	100	H
3	* 5.35	32.5	RMS	33.3	-19.6	.62	46.82	54	-7.18	-	-	65	100	H
4	* 5.352	34.03	RMS	33.3	-19.6	.62	48.35	54	-5.65	-	-	65	100	H

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

PK - Peak detector

RMS - RMS detection

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	* 5.35	41.35	PK	33.3	-19.6	0	55.05	-	-	74	-18.95	345	325	V
2	* 5.426	47.8	PK	33.6	-19.3	0	62.1	-	-	74	-11.9	345	325	V
3	* 5.35	30.63	RMS	33.3	-19.6	.62	44.95	54	-9.05	-	-	345	325	V
4	* 5.351	32.18	RMS	33.3	-19.6	.62	46.5	54	-7.5	-	-	345	325	V

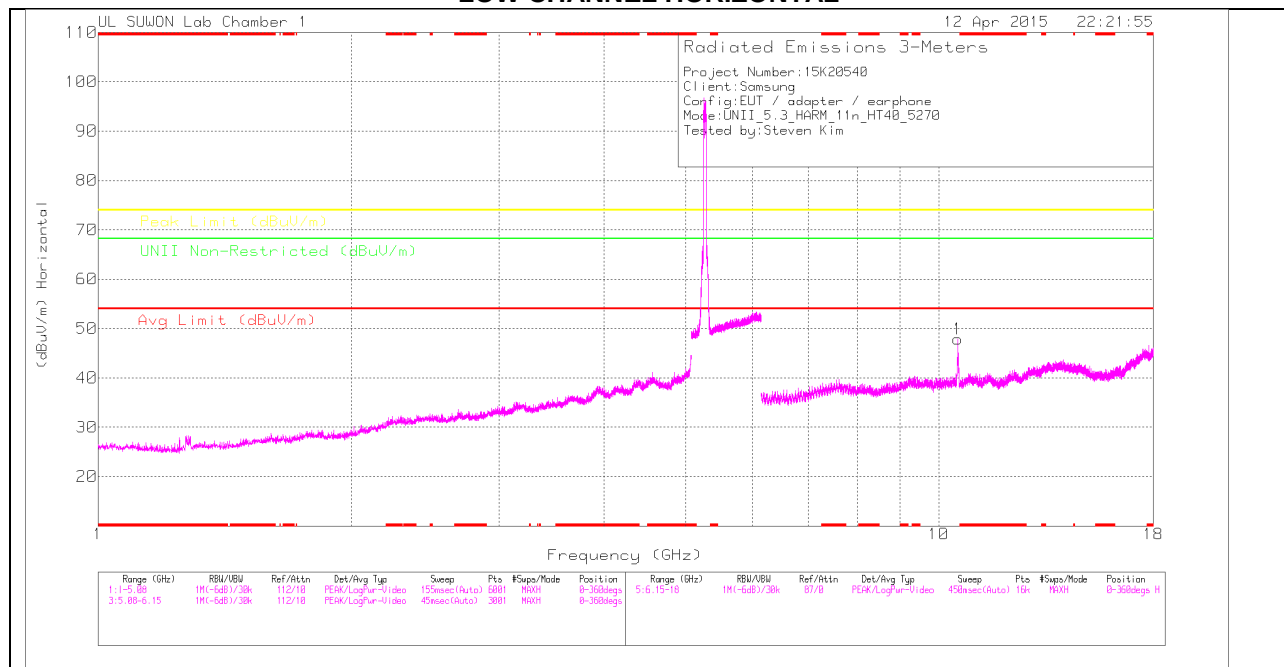
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

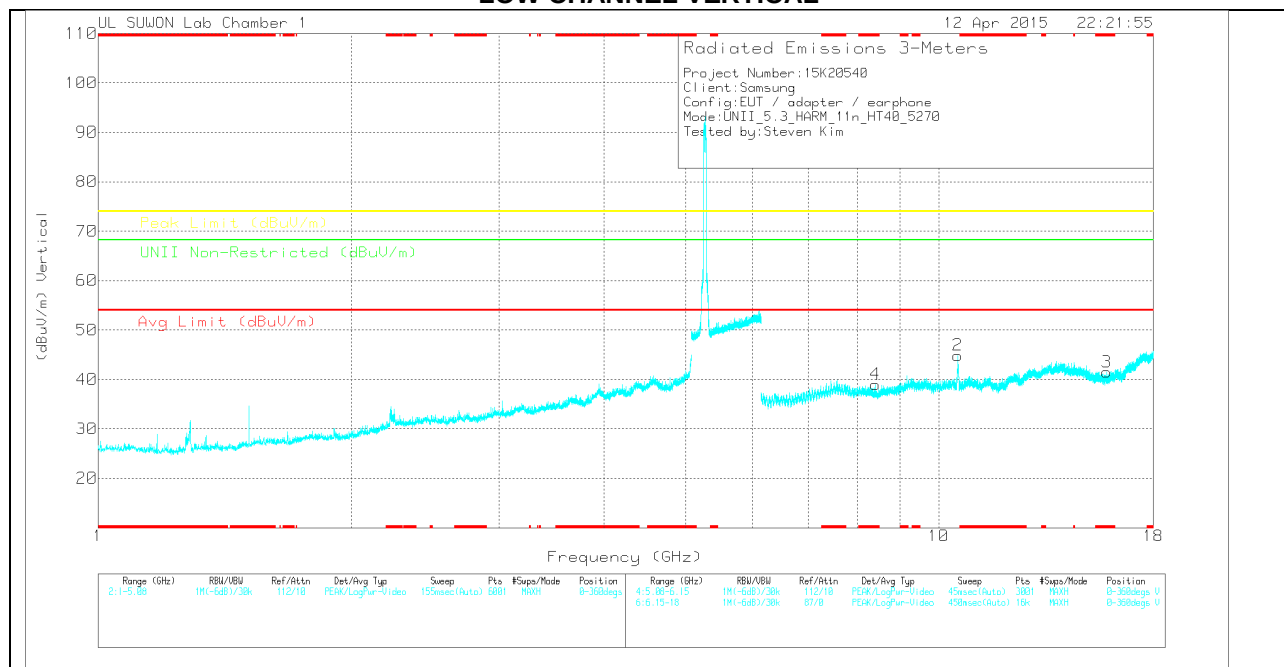
RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	10.539	30.68	PK	38.4	-21.2	0	47.88	-	-	-	-	68.2	-20.32	0-360	100	H
2	10.541	27.67	PK	38.4	-21.2	0	44.87	-	-	-	-	68.2	-23.33	0-360	200	V
3	* 15.848	21.31	PK	38.6	-18.4	0	41.51	-	-	74	-32.49	-	-	0-360	100	V
4	* 8.411	25.51	PK	37.1	-23.6	0	39.01	-	-	74	-34.99	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

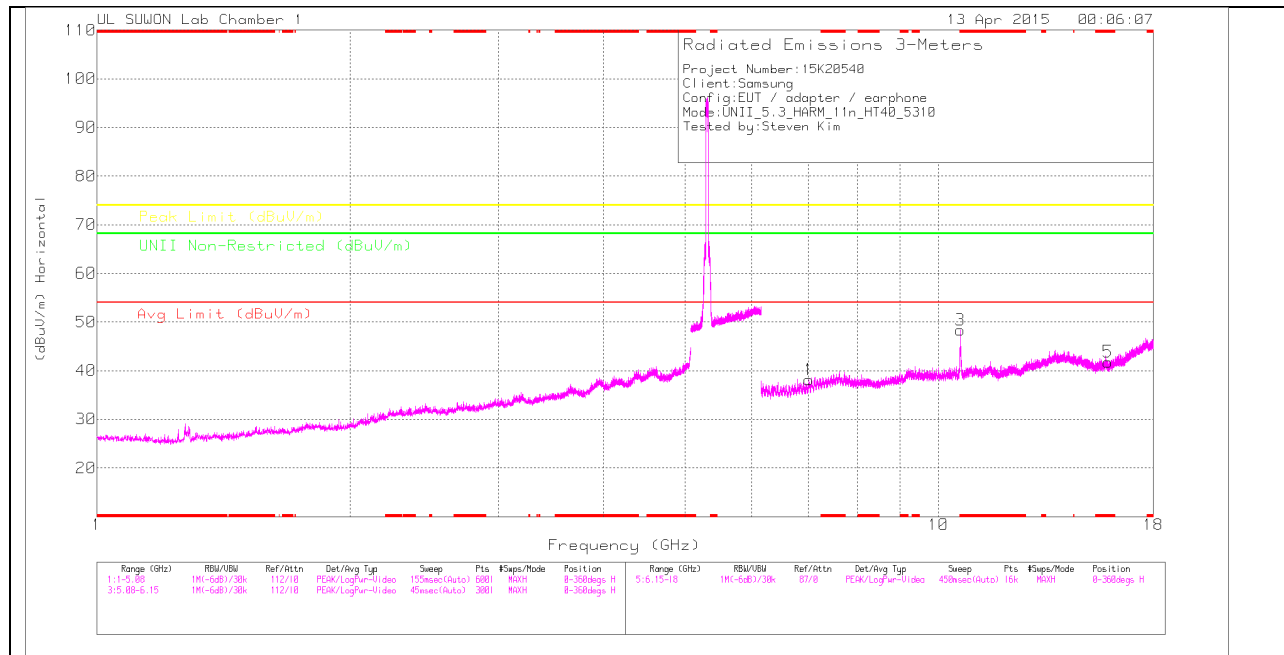
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.536	36.93	PK1	38.4	-21.2	0	54.13	-	-	-	-	68.2	-14.07	357	100	H
10.541	24.39	AD1	38.4	-21.2	.62	42.21	-	-	-	-	-	-	357	100	H

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

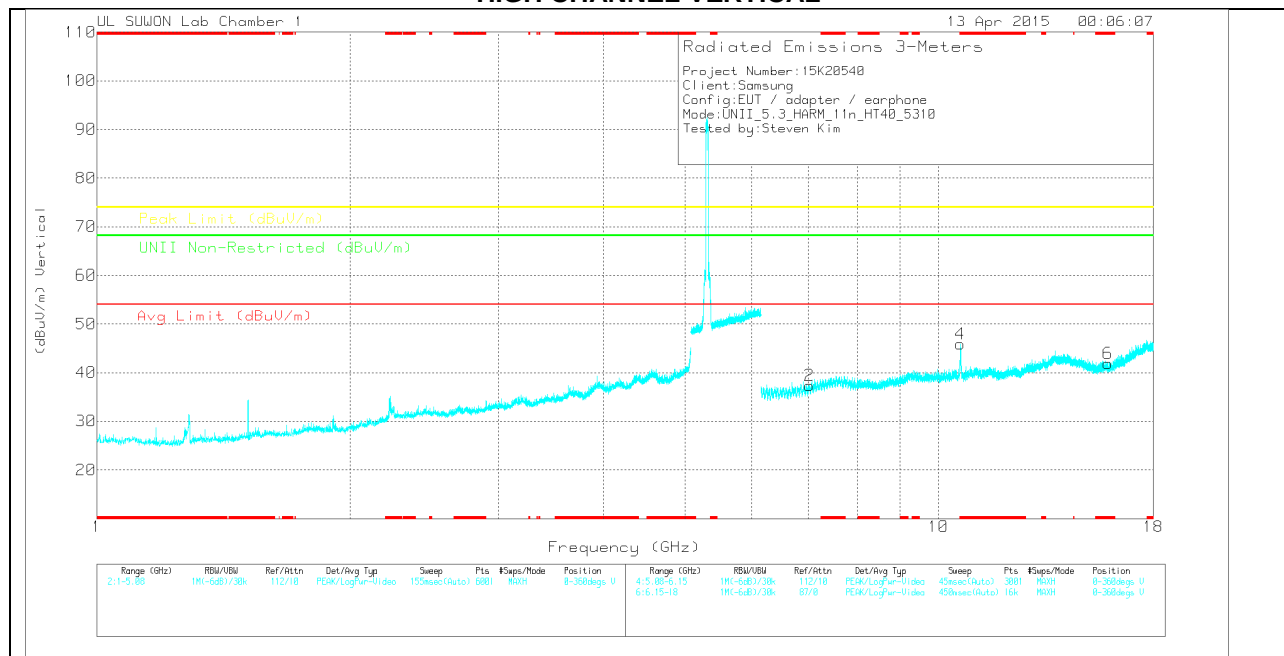
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	7.015	27.17	PK	36.6	-25.6	0	38.17	-	-	-	-	68.2	-30.03	0-360	200	H
3	* 10.621	30.44	PK	38.4	-20.5	0	48.34	-	-	74	-25.66	-	-	0-360	200	H
5	* 15.902	21.41	PK	38.7	-18.3	0	41.81	-	-	74	-32.19	-	-	0-360	100	H
2	7.023	26.4	PK	36.6	-25.6	0	37.4	-	-	-	-	68.2	-30.8	0-360	200	V
4	* 10.619	28.05	PK	38.4	-20.6	0	45.85	-	-	74	-28.15	-	-	0-360	100	V
6	* 15.9	21.49	PK	38.7	-18.3	0	41.89	-	-	74	-32.11	-	-	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_5_6GHP	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
* 10.619	38.41	PK1	38.4	-20.6	0	56.21	-	-	74	-17.79	-	-	89	208	H
* 10.619	26.18	AD1	38.4	-20.6	.62	44.6	54	-9.4	-	-	-	-	89	208	H
* 10.616	36.65	PK1	38.4	-20.6	0	54.45	-	-	74	-19.55	-	-	328	326	V
* 10.616	24.1	AD1	38.4	-20.6	.62	42.52	54	-11.48	-	-	-	-	328	326	V

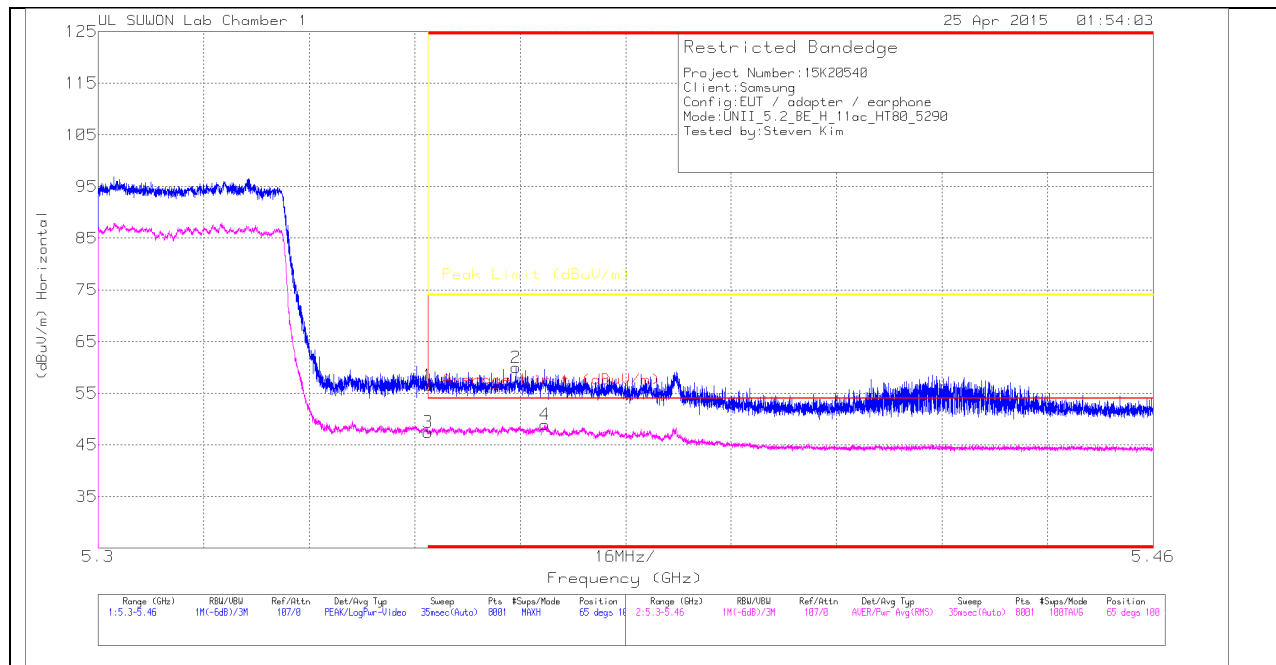
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

11.2.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.3 GHz BAND RESTRICTED BANDEDGE (High CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

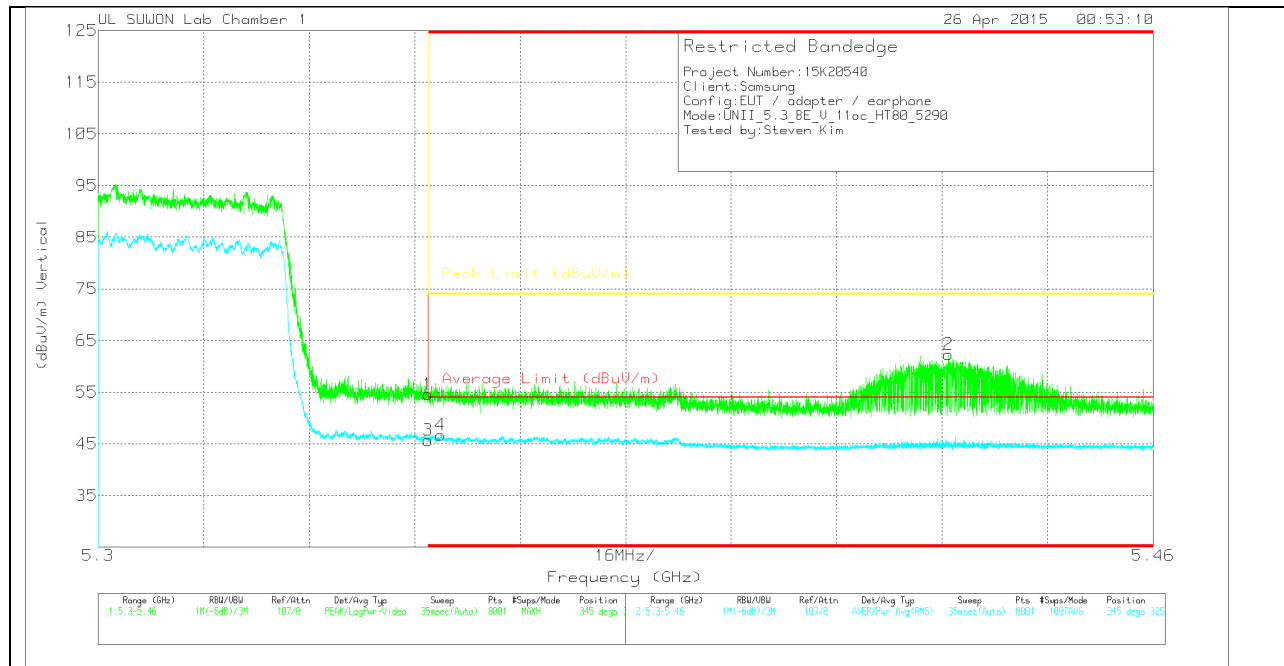
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.86	PK	33.3	-19.6	0	56.56	-	-	74	-17.44	65	100	H
2	* 5.363	46.18	PK	33.4	-19.6	0	59.98	-	-	74	-14.02	65	100	H
3	* 5.35	32.62	RMS	33.3	-19.6	1.15	47.47	54	-6.53	-	-	65	100	H
4	* 5.368	33.97	RMS	33.4	-19.6	1.15	48.92	54	-5.08	-	-	65	100	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	31150 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	* 5.35	40.93	PK	33.3	-19.6	0	54.63	-	-	74	-19.37	345	325	V
2	* 5.429	48.02	PK	33.6	-19.3	0	62.32	-	-	74	-11.68	345	325	V
3	* 5.35	30.84	RMS	33.3	-19.6	1.15	45.69	54	-8.31	-	-	345	325	V
4	* 5.352	31.89	RMS	33.3	-19.6	1.15	46.74	54	-7.26	-	-	345	325	V

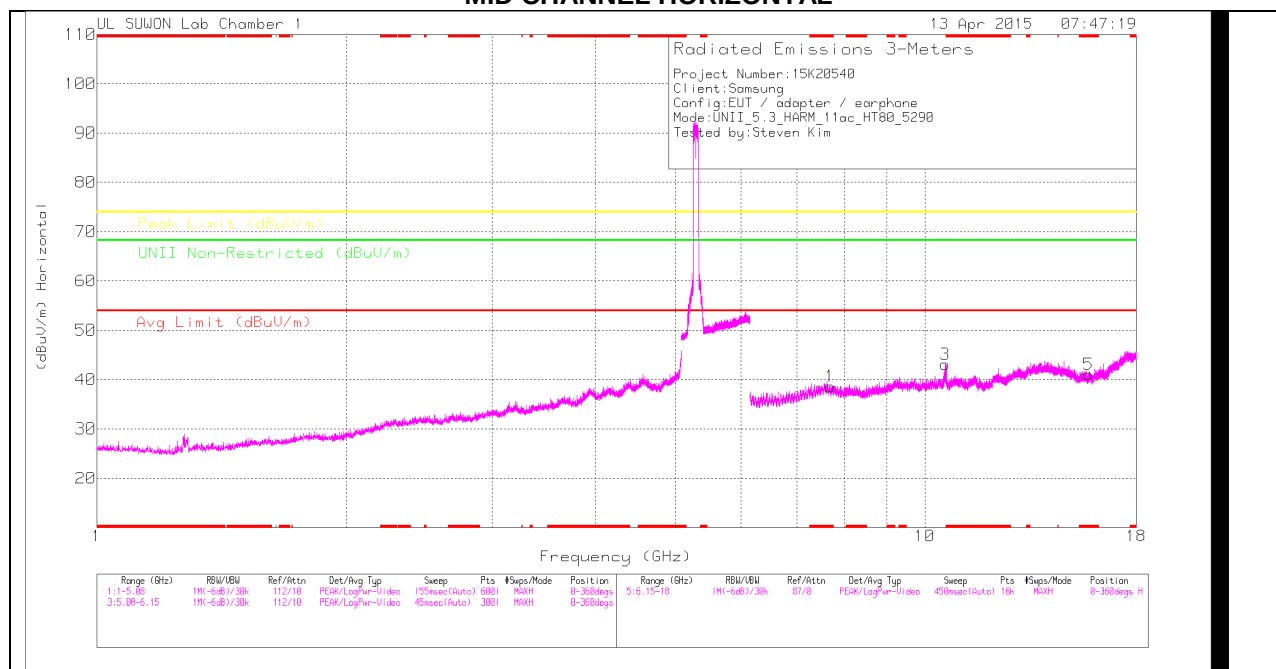
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

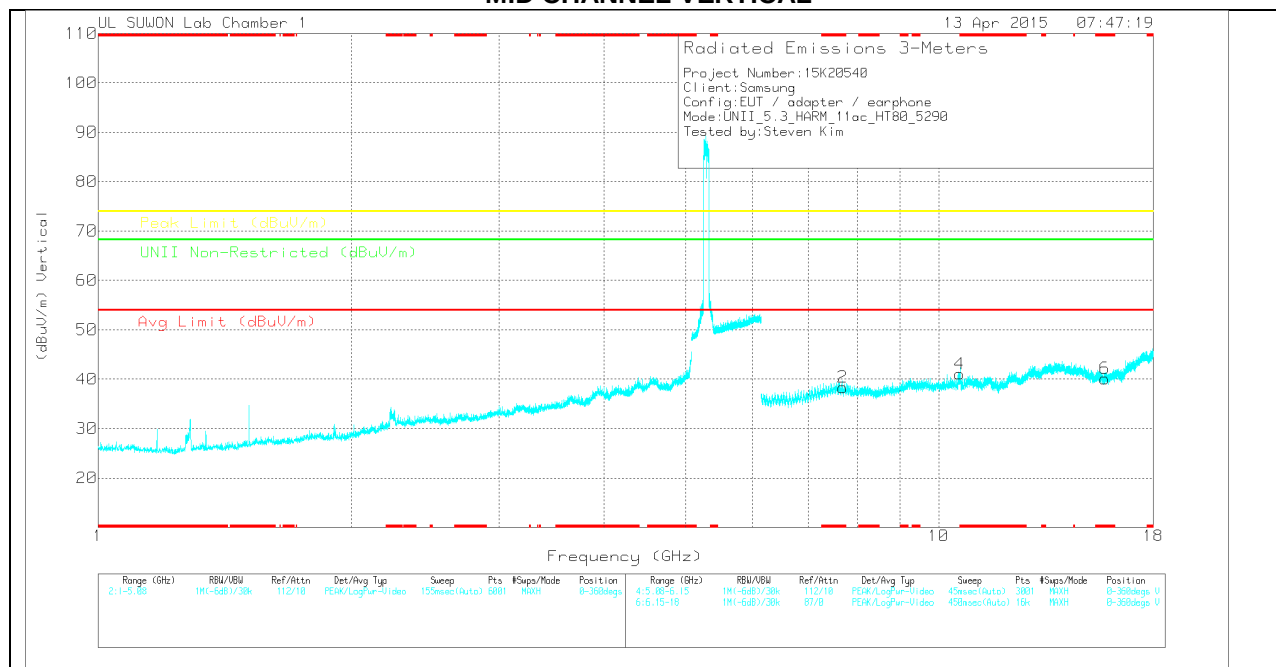
RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	* 7.693	25.91	PK	37.2	-24.5	0	38.61	-	-	74	-35.39	-	-	0-360	100	H
3	10.591	25.58	PK	38.4	-20.9	0	43.08	-	-	-	-	68.2	-25.12	0-360	100	H
5	* 15.764	21.94	PK	38.6	-19.5	0	41.04	-	-	74	-32.96	-	-	0-360	200	H
2	* 7.695	25.64	PK	37.2	-24.5	0	38.34	-	-	74	-35.66	-	-	0-360	200	V
4	10.596	23.57	PK	38.4	-20.9	0	41.07	-	-	-	-	68.2	-27.13	0-360	100	V
6	* 15.761	21.12	PK	38.6	-19.6	0	40.12	-	-	74	-33.88	-	-	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_5_6GHP	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
10.595	34.55	PK1	38.4	-20.9	0	52.05	-	-	-	-	68.2	-16.15	35	247	H
10.594	23	AD1	38.4	-20.9	1.15	41.65	-	-	-	-	-	-	35	247	H
10.557	32.04	PK1	38.4	-21.1	0	49.34	-	-	-	-	68.2	-18.86	335	328	V
10.549	21.71	AD1	38.4	-21.1	1.15	40.16	-	-	-	-	-	-	335	328	V

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

PK1 - KDB789033 Method: Peak

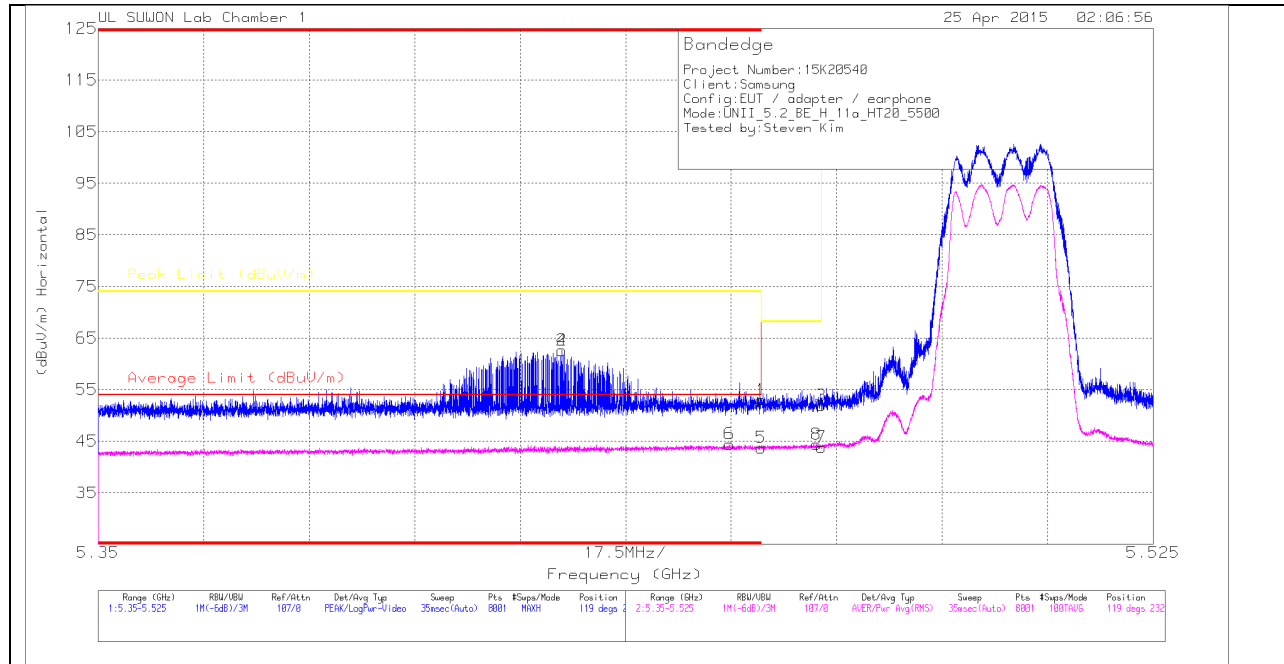
AD1 - KDB789033 Method: AD Primary Power Average

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 PLOT



HORIZONTAL DATA

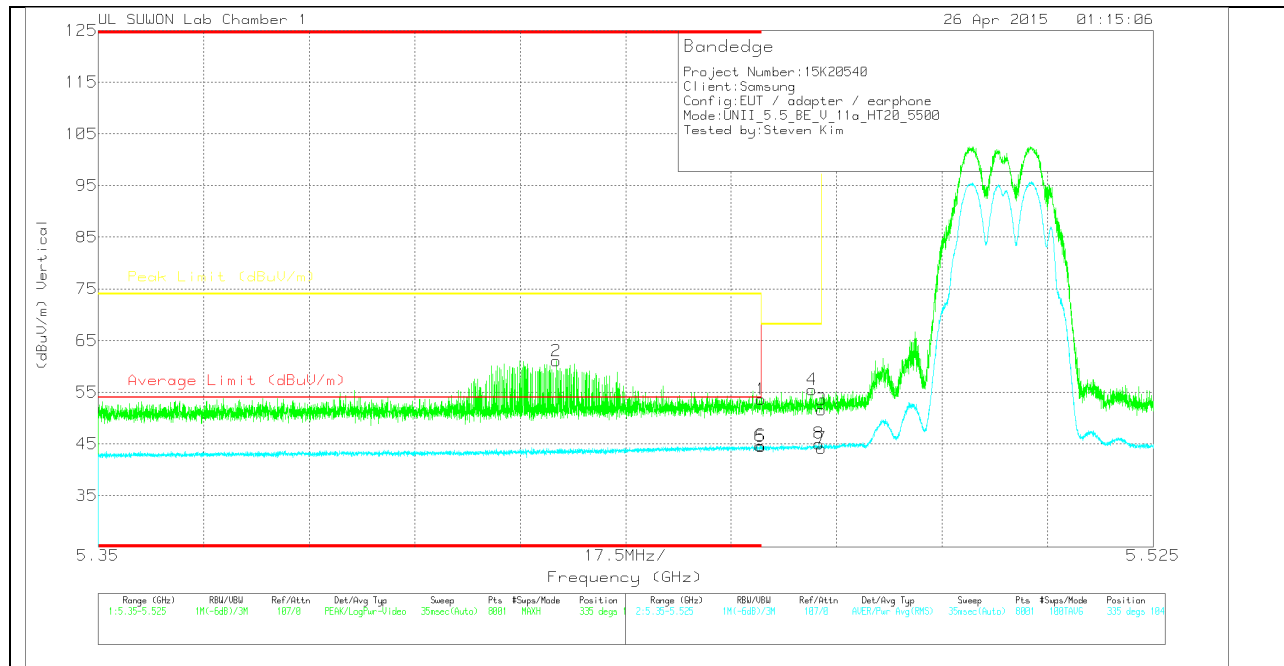
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.51	PK	33.7	-19.2	0	53.01	-	-	74	-20.99	119	232	H
2	* 5.427	48.31	PK	33.6	-19.3	0	62.61	-	-	74	-11.39	119	232	H
3	5.47	37.42	PK	33.7	-19.2	0	51.92	-	-	68.2	-16.28	119	232	H
4	* 5.427	48.31	PK	33.6	-19.3	0	62.61	-	-	74	-11.39	119	232	H
5	* 5.46	28.91	RMS	33.7	-19.2	.31	43.72	54	-10.28	-	-	119	232	H
6	* 5.455	29.65	RMS	33.7	-19.2	.31	44.46	54	-9.54	-	-	119	232	H
7	5.47	29	RMS	33.7	-19.2	.31	43.81	-	-	-	-	119	232	H
8	5.469	29.6	RMS	33.7	-19.2	.31	44.41	-	-	-	-	119	232	H

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

PK - Peak detector

RMS - RMS detection

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	39.14	PK	33.7	-19.2	0	53.64	-	-	74	-20.36	335	104	V
2	* 5.426	46.77	PK	33.6	-19.3	0	61.07	-	-	74	-12.93	335	104	V
3	5.47	37.11	PK	33.7	-19.2	0	51.61	-	-	68.2	-16.59	335	104	V
4	5.468	40.99	PK	33.7	-19.2	0	55.49	-	-	68.2	-12.71	335	104	V
5	* 5.46	29.68	RMS	33.7	-19.2	.31	44.49	54	-9.51	-	-	335	104	V
6	* 5.46	29.85	RMS	33.7	-19.2	.31	44.66	54	-9.34	-	-	335	104	V
7	5.47	29.37	RMS	33.7	-19.2	.31	44.18	-	-	-	-	335	104	V
8	5.47	30.25	RMS	33.7	-19.2	.31	45.06	-	-	-	-	335	104	V

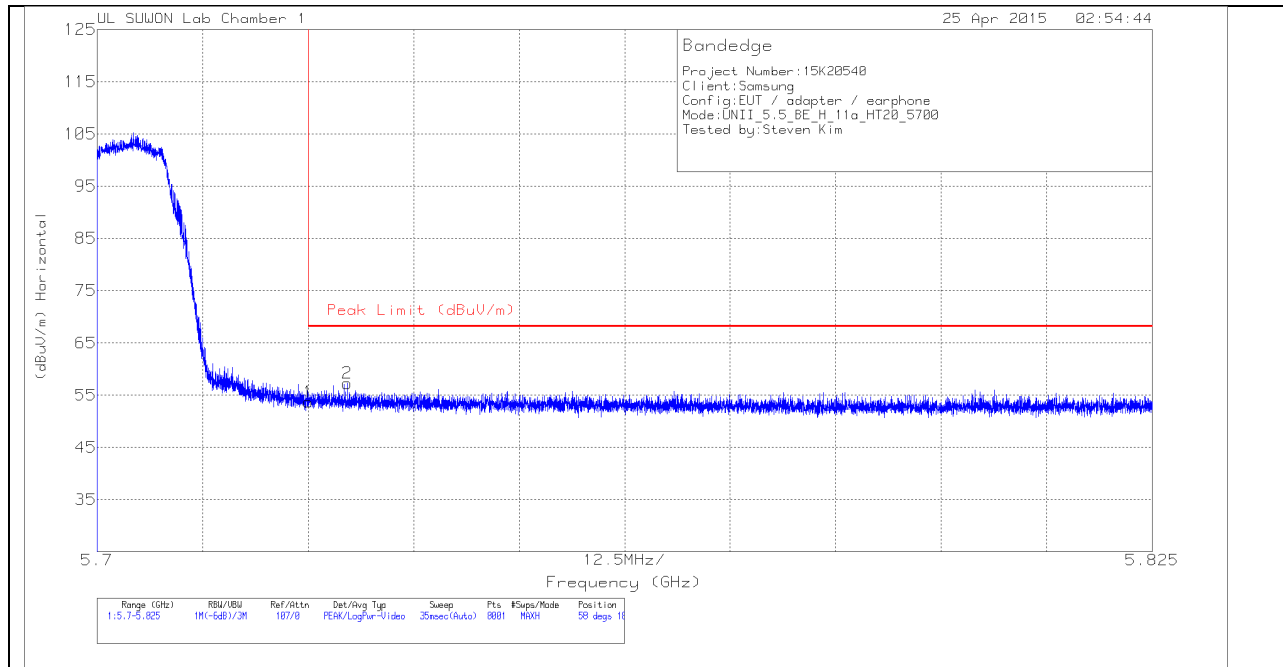
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

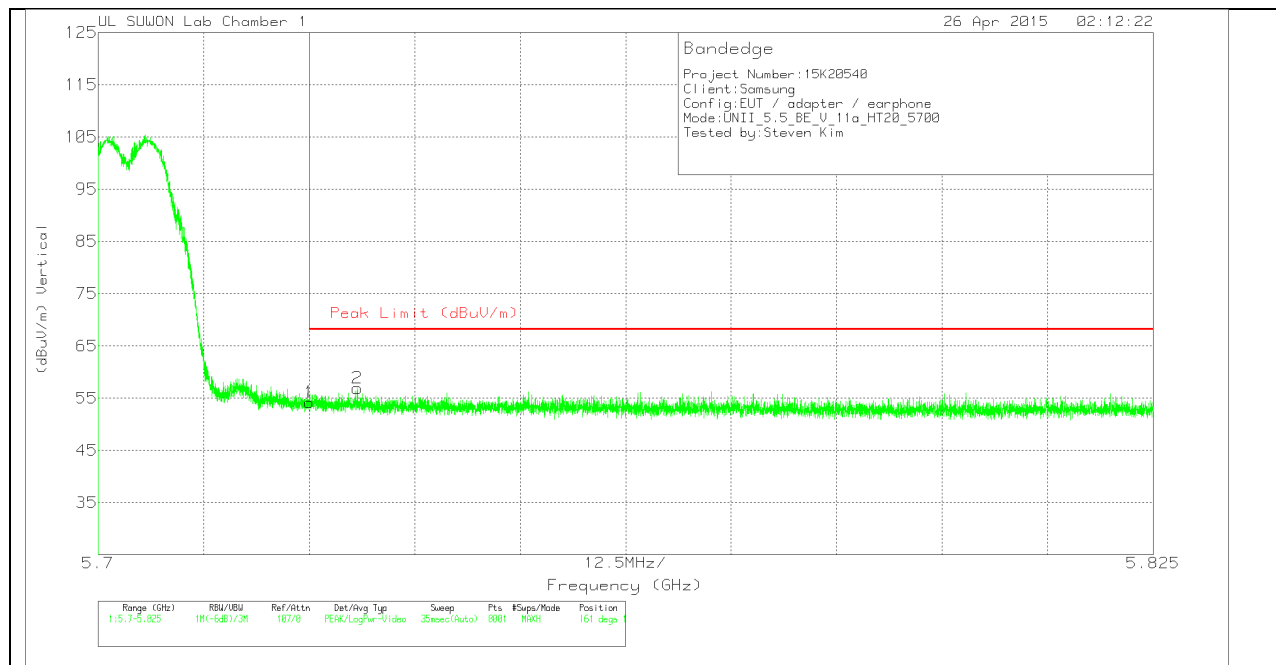
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.17	PK	34.3	-18.8	0	53.67	68.2	-14.53	58	186	H
2	5.73	41.67	PK	34.4	-18.8	0	57.27	68.2	-10.93	58	186	H

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

PK - Peak detector

RMS - RMS detection

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	38.69	Pk	34.3	-18.8	0	54.19	68.2	-14.01	161	102	V
2	5.731	41.3	Pk	34.4	-18.8	0	56.9	68.2	-11.3	161	102	V

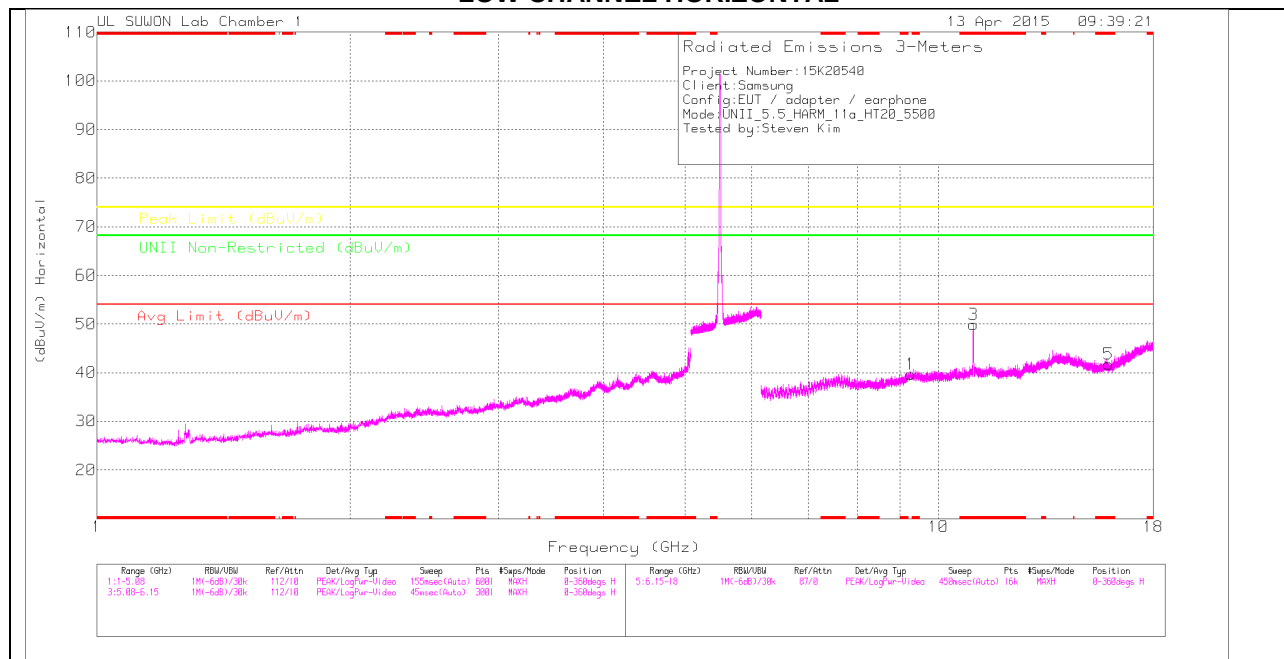
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

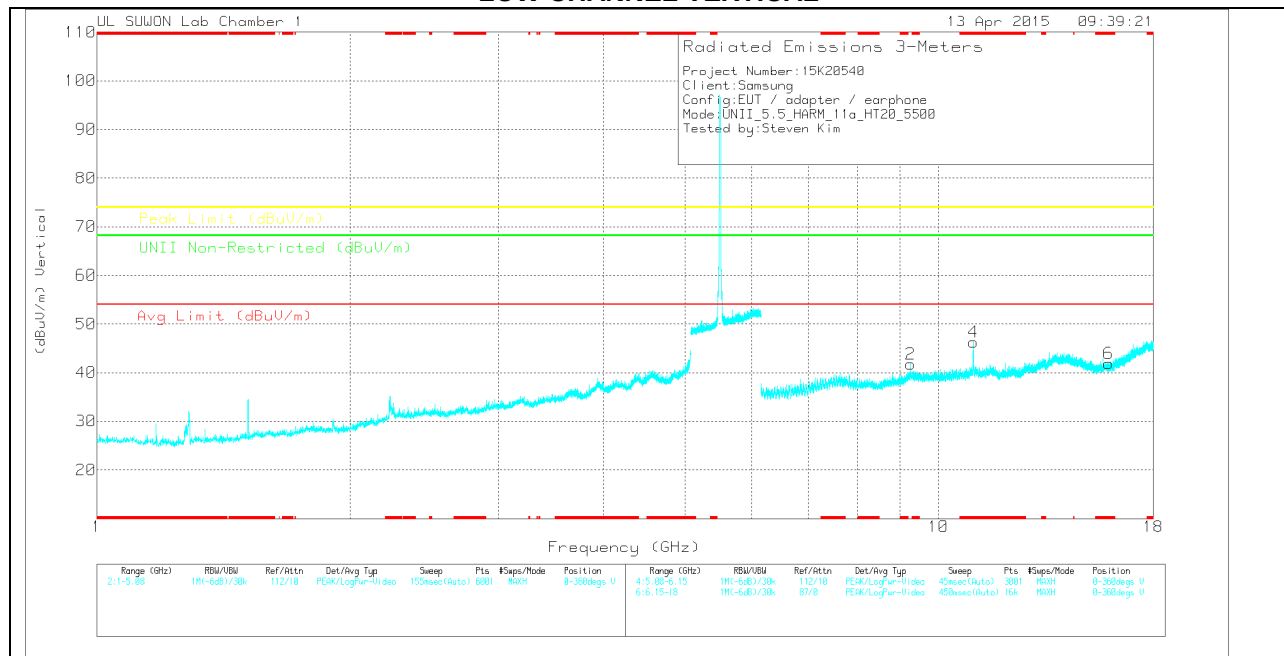
RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	9.269	23.54	PK	37.7	-21.5	0	39.74	-	-	-	-	68.2	-28.46	0-360	100	H
3	* 11.002	32.47	PK	38.4	-21	0	49.87	-	-	74	-24.13	-	-	0-360	200	H
5	* 15.917	21.4	PK	38.7	-18.4	0	41.7	-	-	74	-32.3	-	-	0-360	100	H
2	9.269	25.53	PK	37.7	-21.5	0	41.73	-	-	-	-	68.2	-26.47	0-360	200	V
4	* 10.998	28.91	PK	38.4	-21	0	46.31	-	-	74	-27.69	-	-	0-360	200	V
6	* 15.915	21.55	PK	38.7	-18.4	0	41.85	-	-	74	-32.15	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

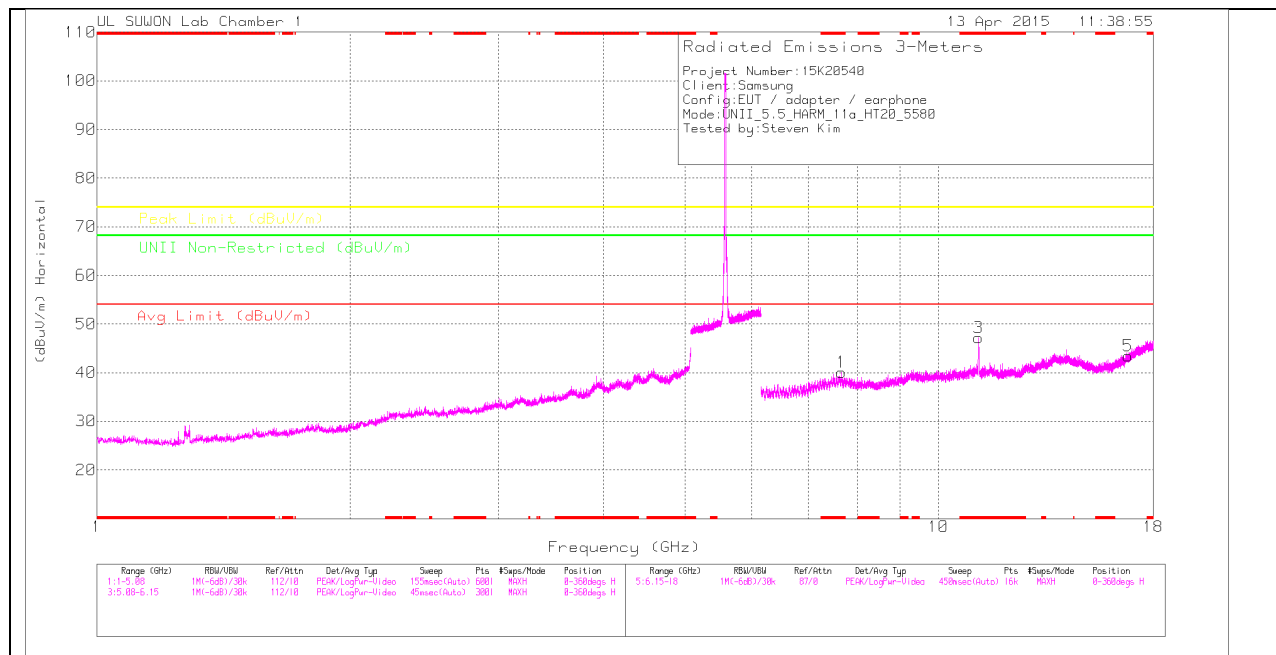
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.003	42.27	PK1	38.4	-21	0	59.67	-	-	74	-14.33	-	-	89	201	H
* 11.002	31.57	AD1	38.4	-21	.33	49.3	54	-4.7	-	-	-	-	89	201	H
* 10.999	36.14	PK1	38.4	-21	0	53.54	-	-	74	-20.46	-	-	166	282	V
* 11.003	25.53	AD1	38.4	-21	.33	43.26	54	-10.74	-	-	-	-	166	282	V

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

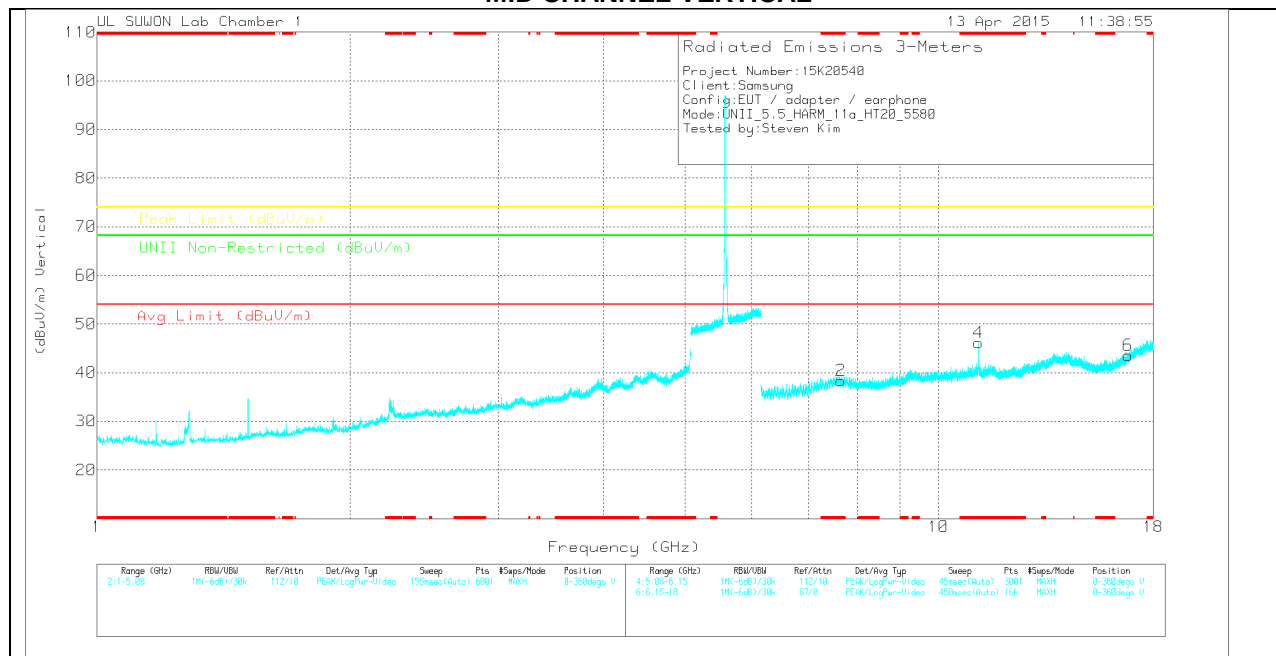
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	* 7.671	27.31	PK	37.3	-24.5	0	40.11	-	-	74	-33.89	-	-	0-360	200	H
3	* 11.162	29.66	PK	38.5	-21	0	47.16	-	-	74	-26.84	-	-	0-360	200	H
5	16.791	20.1	PK	40.2	-16.9	0	43.4	-	-	-	-	68.2	-24.8	0-360	100	H
2	* 7.653	25.53	PK	37.3	-24.5	0	38.33	-	-	74	-35.67	-	-	0-360	100	V
4	* 11.159	28.63	PK	38.5	-21	0	46.13	-	-	74	-27.87	-	-	0-360	200	V
6	16.788	20.26	PK	40.2	-16.9	0	43.56	-	-	-	-	68.2	-24.64	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

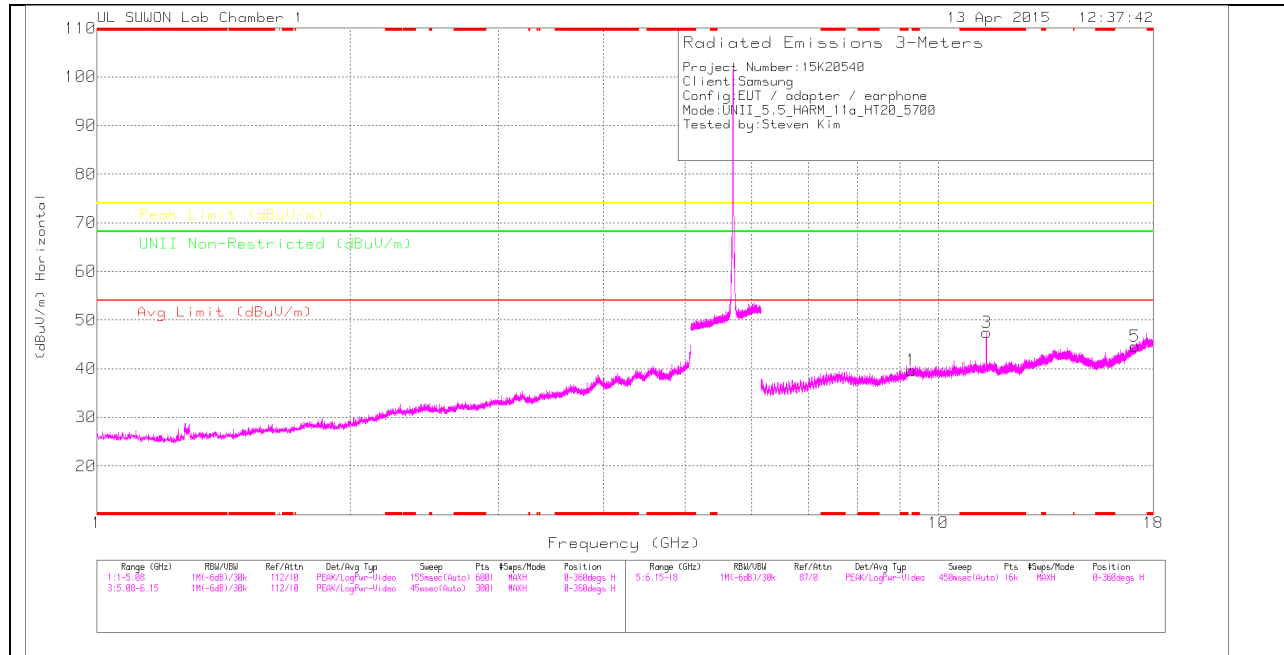
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.163	39.51	PK1	38.5	-21	0	57.01	-	-	74	-16.99	-	-	175	267	H
* 11.162	30	AD1	38.5	-21	.33	47.83	54	-6.17	-	-	-	-	175	267	H
* 11.166	35.26	PK1	38.5	-21	0	52.76	-	-	74	-21.24	-	-	347	282	V
* 11.161	26.36	AD1	38.5	-21	.33	44.19	54	-9.81	-	-	-	-	347	282	V

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

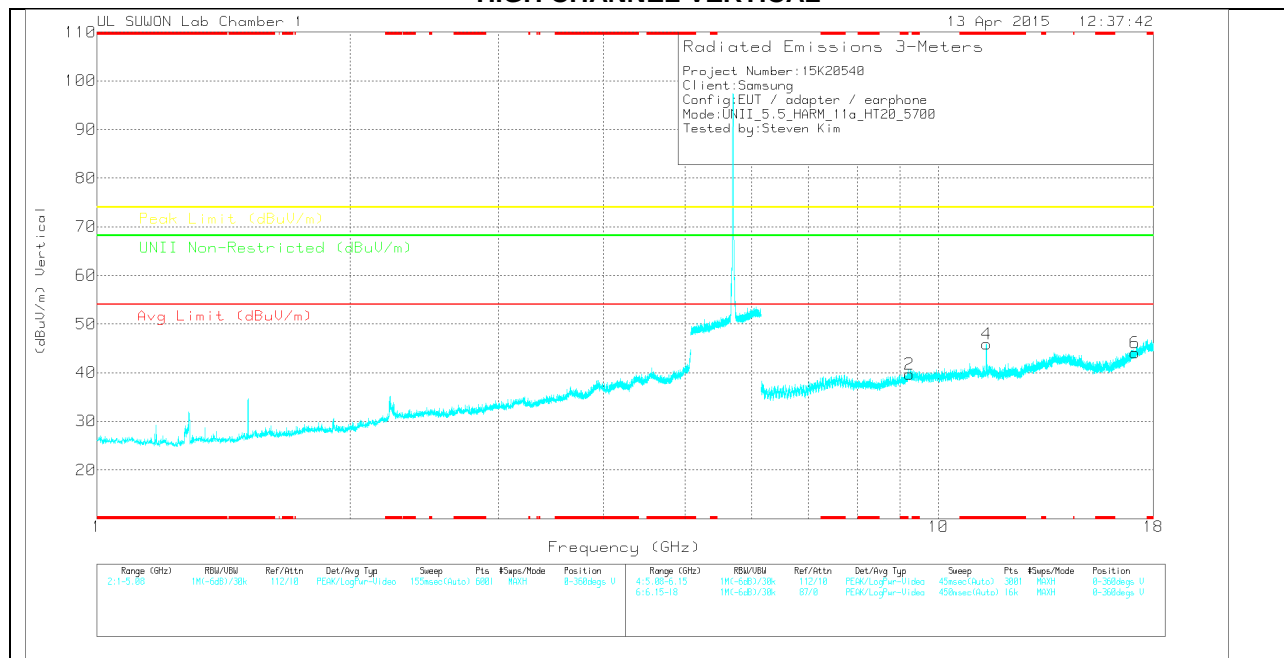
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	31150 Factor	Path_5_6G HP	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	9.28	23.42	PK	37.7	-21.5	0	39.62	-	-	-	-	68.2	-28.58	0-360	100	H
3	* 11.403	29.72	PK	38.6	-20.9	0	47.42	-	-	74	-26.58	-	-	0-360	200	H
5	17.119	20.15	PK	41.1	-16.6	0	44.65	-	-	-	-	68.2	-23.55	0-360	200	H
2	9.236	23.46	PK	37.7	-21.5	0	39.66	-	-	-	-	68.2	-28.54	0-360	100	V
4	* 11.401	28.24	PK	38.6	-20.9	0	45.94	-	-	74	-28.06	-	-	0-360	200	V
6	17.114	19.6	PK	41.1	-16.6	0	44.1	-	-	-	-	68.2	-24.1	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	31150 Factor	Path_5_6GHP	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
* 11.402	39.29	PK1	38.6	-20.9	0	56.99	-	-	74	-17.01	-	-	170	261	H
* 11.402	28.64	AD1	38.6	-20.9	.31	46.65	54	-7.35	-	-	-	-	170	261	H
* 11.41	35.23	PK1	38.6	-20.8	0	53.03	-	-	74	-20.97	-	-	347	312	V
* 11.401	25.34	AD1	38.6	-20.9	.31	43.35	54	-10.65	-	-	-	-	347	312	V

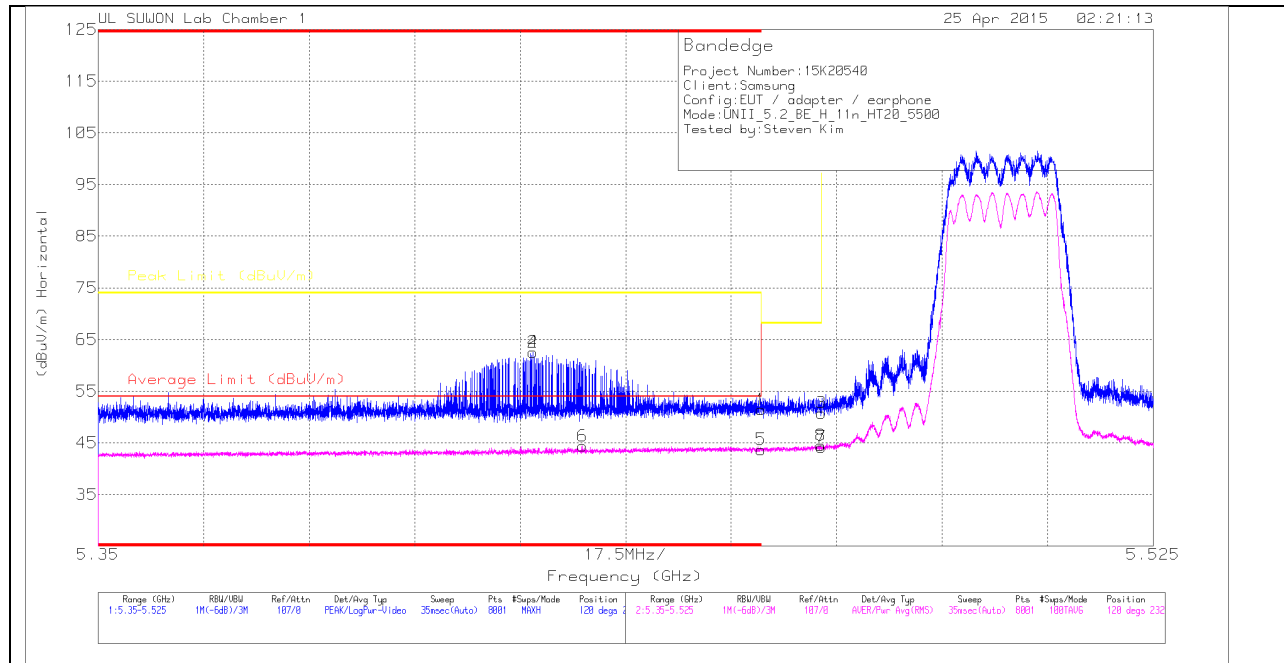
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

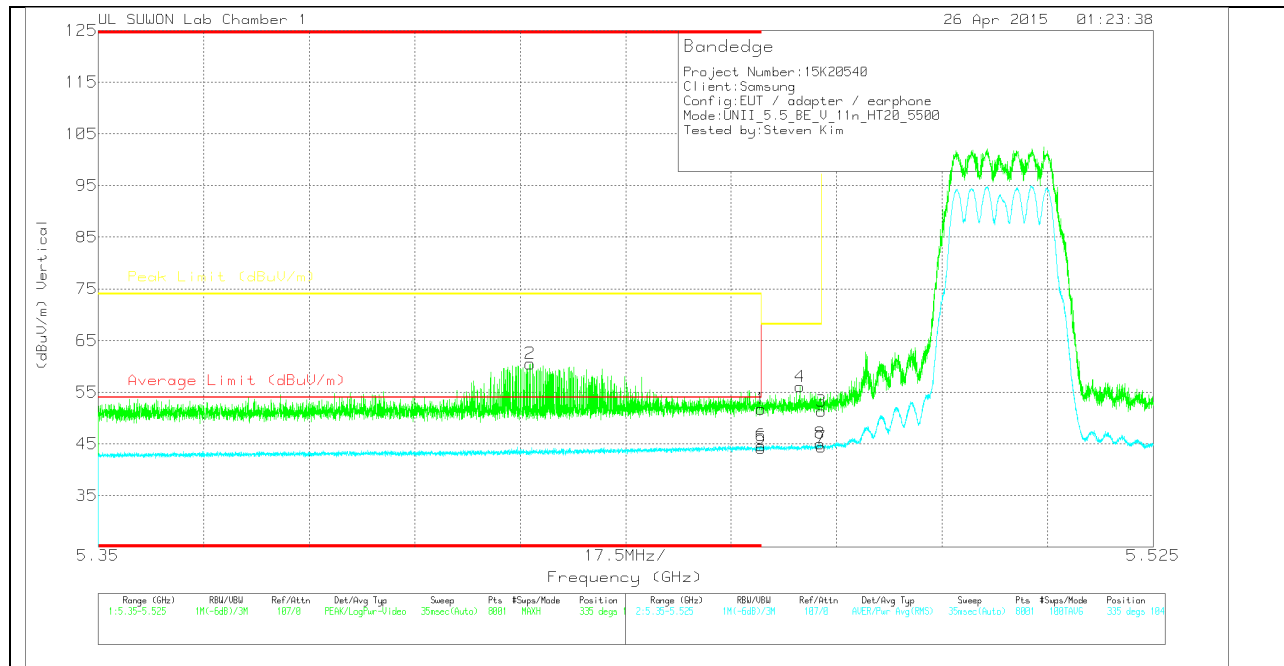
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	36.93	Pk	33.7	-19.2	0	51.43	-	-	74	-22.57	120	232	H
2	* 5.422	48.25	Pk	33.6	-19.3	0	62.55	-	-	74	-11.45	120	232	H
3	5.47	36.28	Pk	33.7	-19.2	0	50.78	-	-	68.2	-17.42	120	232	H
4	* 5.422	48.25	Pk	33.6	-19.3	0	62.55	-	-	74	-11.45	120	232	H
5	* 5.46	28.88	RMS	33.7	-19.2	.33	43.71	54	-10.29	-	-	120	232	H
6	* 5.43	29.75	RMS	33.6	-19.3	.33	44.38	54	-9.62	-	-	120	232	H
7	5.47	29.38	RMS	33.7	-19.2	.33	44.21	-	-	-	-	120	232	H
8	5.47	29.69	RMS	33.7	-19.2	.33	44.52	-	-	-	-	120	232	H

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

PK - Peak detector

RMS - RMS detection

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	37.28	PK	33.7	-19.2	0	51.78	-	-	74	-22.22	335	104	V
2	* 5.422	46.33	PK	33.5	-19.3	0	60.53	-	-	74	-13.47	335	104	V
3	5.47	36.83	PK	33.7	-19.2	0	51.33	-	-	68.2	-16.87	335	104	V
4	5.466	41.58	PK	33.7	-19.2	0	56.08	-	-	68.2	-12.12	335	104	V
5	* 5.46	29.35	RMS	33.7	-19.2	.33	44.18	54	-9.82	-	-	335	104	V
6	* 5.46	29.86	RMS	33.7	-19.2	.33	44.69	54	-9.31	-	-	335	104	V
7	5.47	29.54	RMS	33.7	-19.2	.33	44.37	-	-	-	-	335	104	V
8	5.47	30.24	RMS	33.7	-19.2	.33	45.07	-	-	-	-	335	104	V

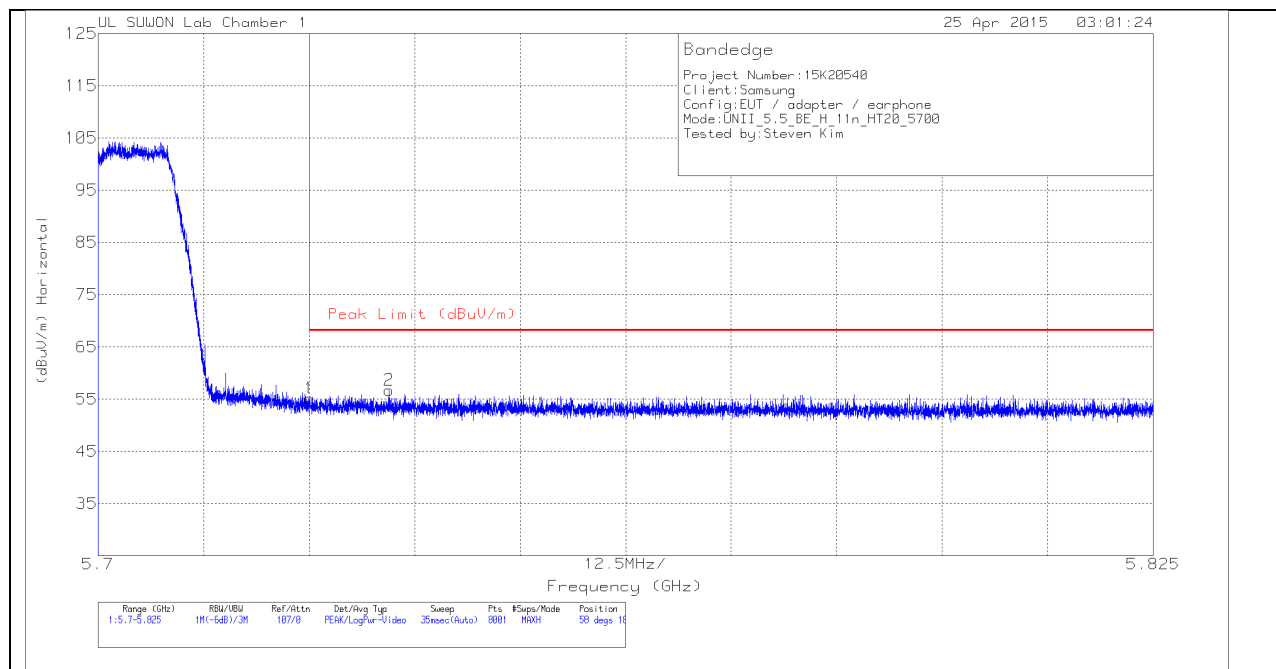
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

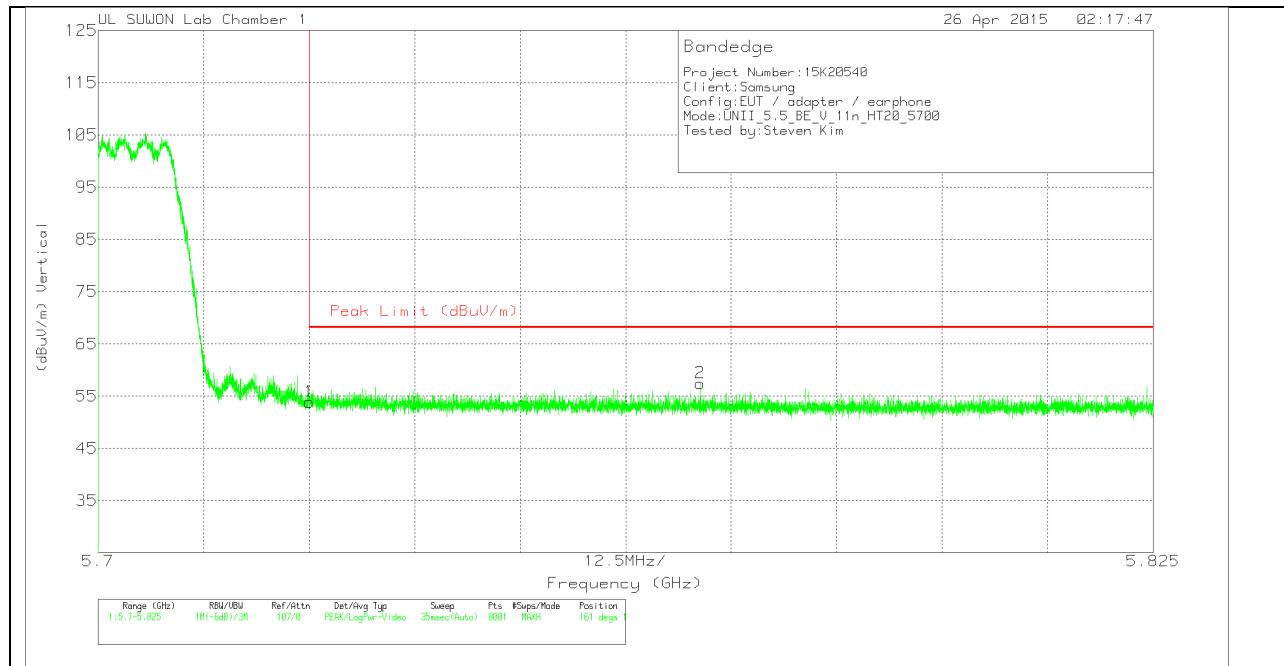
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.65	Pk	34.3	-18.8	0	55.15	68.2	-13.05	58	186	H
2	5.734	41.12	Pk	34.4	-18.8	0	56.72	68.2	-11.48	58	186	H

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

PK - Peak detector

RMS - RMS detection

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	38.39	Pk	34.3	-18.8	0	53.89	68.2	-14.31	161	102	V
2	5.771	41.78	Pk	34.5	-18.8	0	57.48	68.2	-10.72	161	102	V

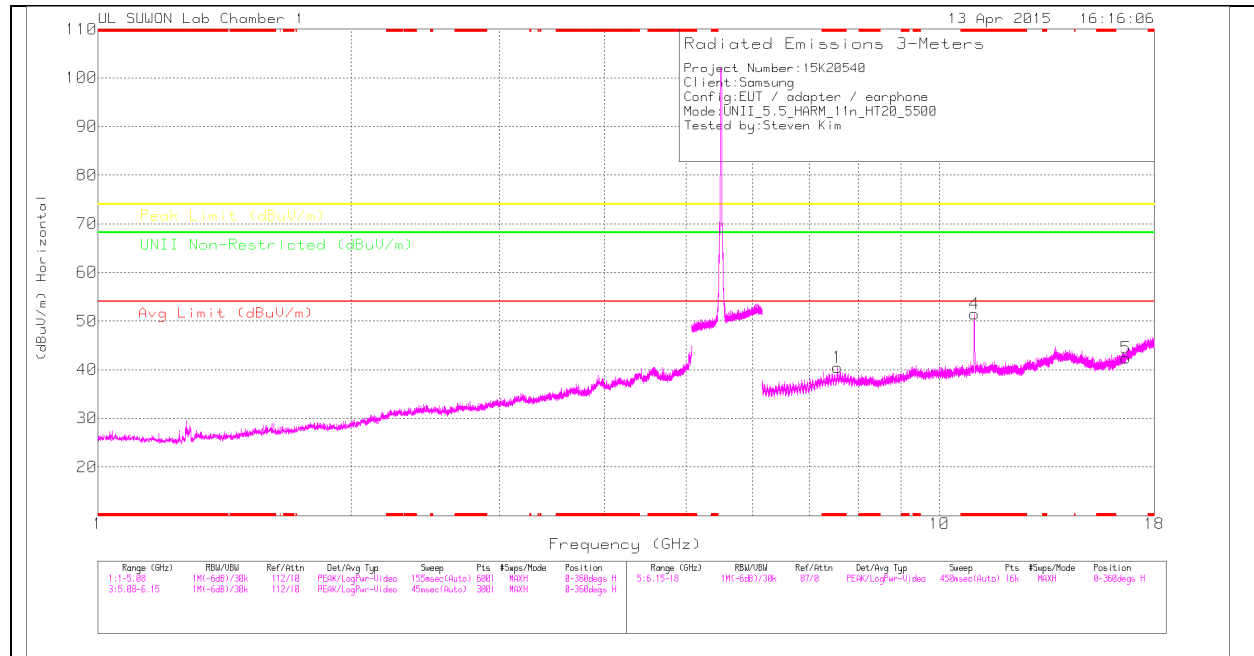
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

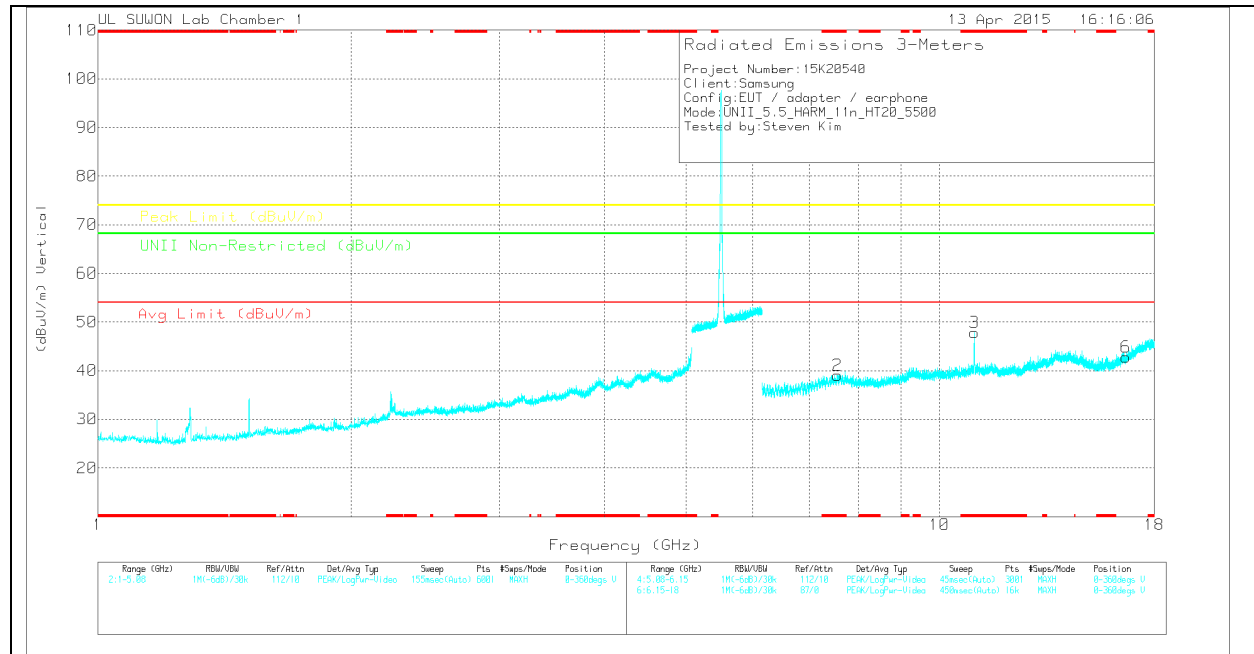
RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	* 7.562	27.31	PK	37.4	-24.3	0	40.41	-	-	74	-33.59	-	-	0-360	100	H
4	* 11.004	34.01	PK	38.4	-21	0	51.41	-	-	74	-22.59	-	-	0-360	200	H
5	16.654	20.14	PK	39.9	-17.6	0	42.44	-	-	-	-	68.2	-25.76	0-360	100	H
2	* 7.562	25.89	PK	37.4	-24.3	0	38.99	-	-	74	-35.01	-	-	0-360	100	V
3	* 11.001	30.38	PK	38.4	-21	0	47.78	-	-	74	-26.22	-	-	0-360	200	V
6	16.652	20.64	PK	39.9	-17.7	0	42.84	-	-	-	-	68.2	-25.36	0-360	200	V

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

PK – Peak detector

Radiated Emissions

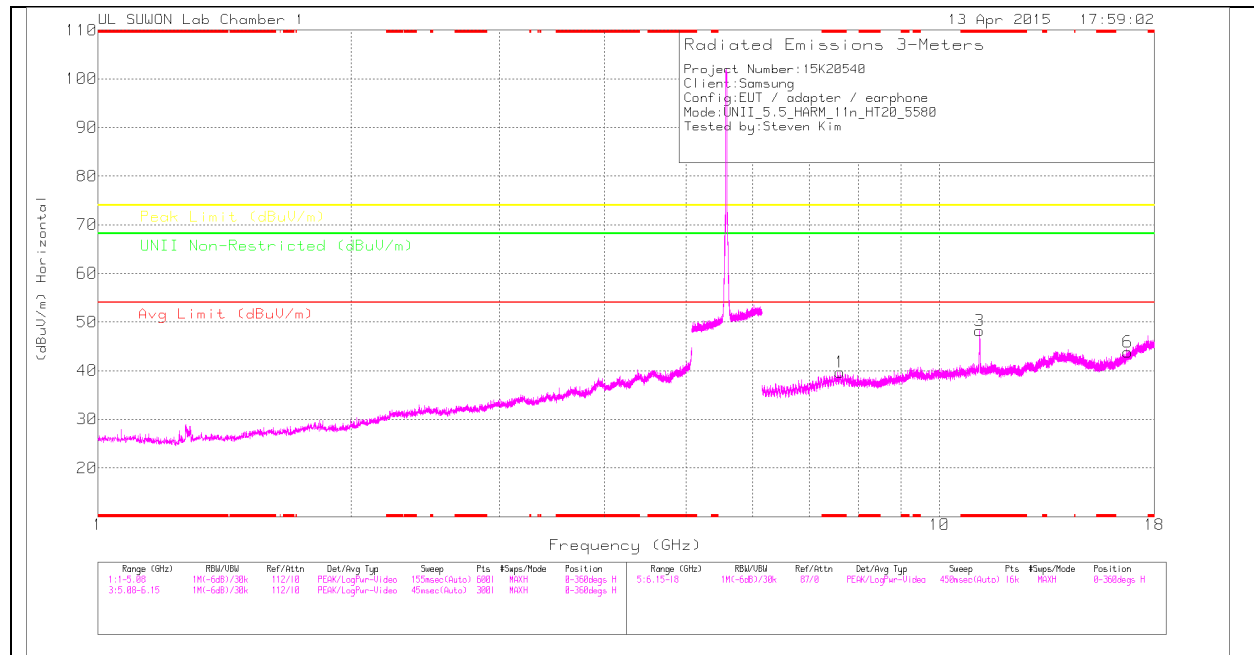
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.005	42.3	PK1	38.4	-21	0	59.7	-	-	74	-14.3	-	-	211	205	H
* 11	29.97	AD1	38.4	-21	.33	47.7	54	-6.3	-	-	-	-	211	205	H

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

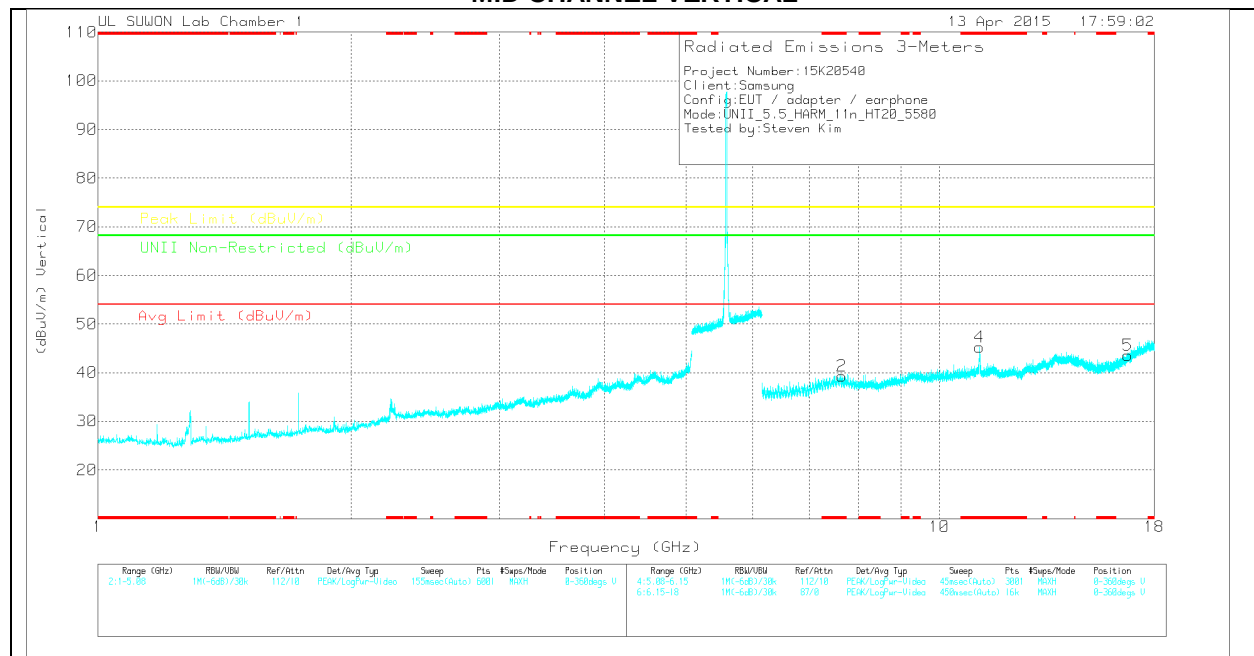
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	* 7.619	26.88	PK	37.3	-24.5	0	39.68	-	-	74	-34.32	-	-	0-360	100	H
3	* 11.163	30.77	PK	38.5	-21	0	48.27	-	-	74	-25.73	-	-	0-360	200	H
6	16.737	20.64	PK	40.1	-16.9	0	43.84	-	-	-	-	68.2	-24.36	0-360	200	H
2	* 7.65	26.48	PK	37.3	-24.5	0	39.28	-	-	74	-34.72	-	-	0-360	100	V
4	* 11.16	27.78	PK	38.5	-21	0	45.28	-	-	74	-28.72	-	-	0-360	200	V
5	16.739	20.4	PK	40.1	-16.9	0	43.6	-	-	-	-	68.2	-24.6	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

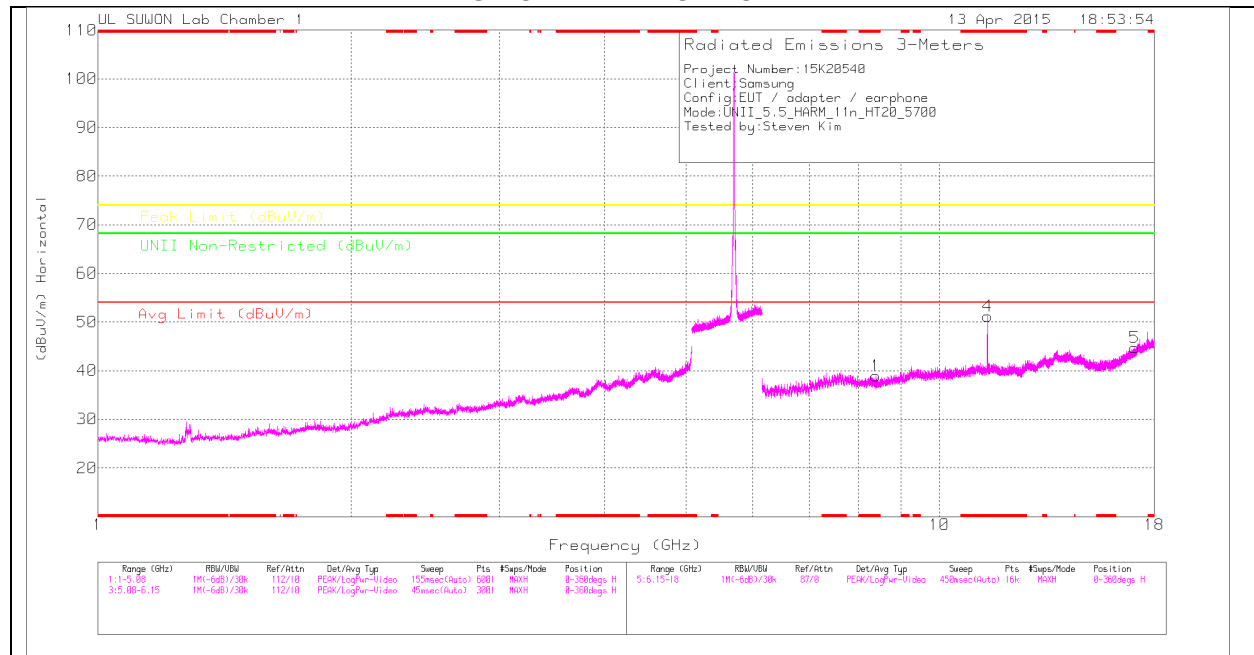
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.162	39.19	PK1	38.5	-21	0	56.69	-	-	74	-17.31	-	-	213	232	H
* 11.16	27.41	AD1	38.5	-21	.33	45.24	54	-8.76	-	-	-	-	213	232	H

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

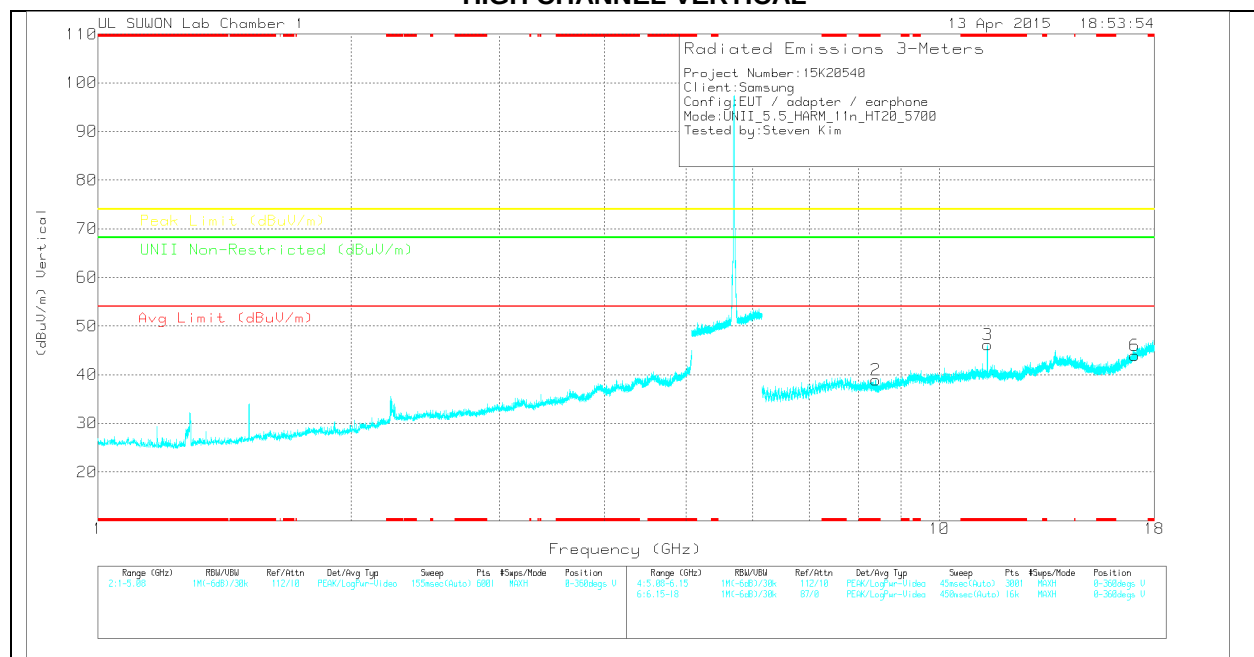
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	* 8.397	25.25	PK	37.1	-23.5	0	38.85	-	-	74	-35.15	-	-	0-360	100	H
4	* 11.401	33.53	PK	38.6	-20.9	0	51.23	-	-	74	-22.77	-	-	0-360	200	H
5	17.074	20.27	PK	40.9	-16.4	0	44.77	-	-	-	-	68.2	-23.43	0-360	100	H
2	* 8.407	25.28	PK	37.1	-23.5	0	38.88	-	-	74	-35.12	-	-	0-360	200	V
3	* 11.403	28.4	PK	38.6	-20.9	0	46.1	-	-	74	-27.9	-	-	0-360	100	V
6	17.071	19.39	PK	40.9	-16.4	0	43.89	-	-	-	-	68.2	-24.31	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_5_6GHP	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
* 11.395	39.41	PK1	38.6	-20.8	0	57.21	-	-	74	-16.79	-	-	63	255	H
* 11.4	26.58	AD1	38.6	-20.9	.33	44.61	54	-9.39	-	-	-	-	63	255	H

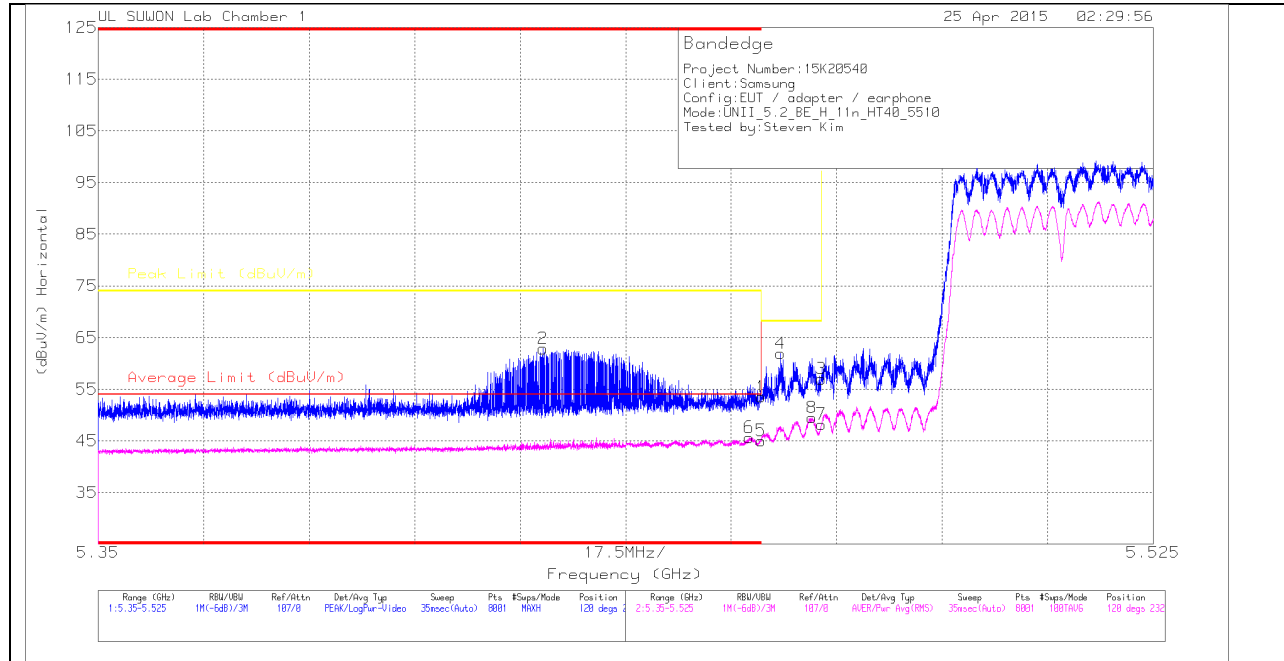
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

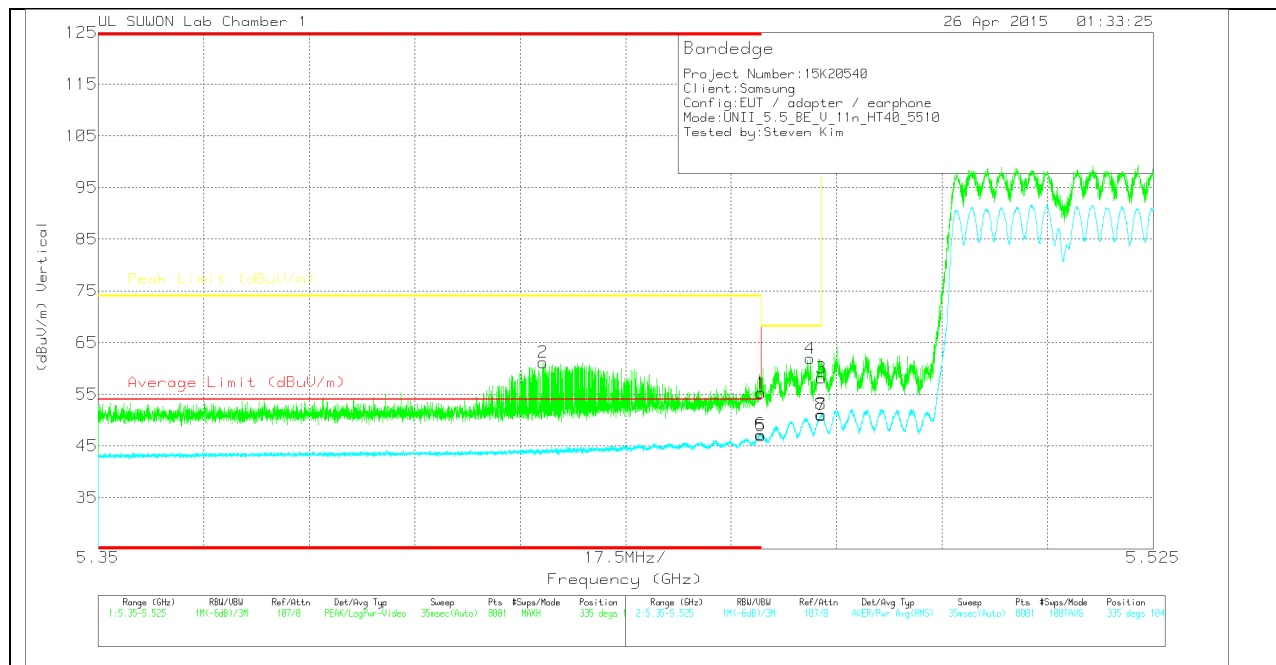
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	39.02	Pk	33.7	-19.2	0	53.52	-	-	74	-20.48	120	232	H
2	* 5.424	48.55	Pk	33.6	-19.3	0	62.85	-	-	74	-11.15	120	232	H
3	5.47	42.51	Pk	33.7	-19.2	0	57.01	-	-	68.2	-11.19	120	232	H
4	5.463	47.42	Pk	33.7	-19.2	0	61.92	-	-	68.2	-6.28	120	232	H
5	* 5.46	29.92	RMS	33.7	-19.2	.62	45.04	54	-8.96	-	-	120	232	H
6	* 5.458	30.54	RMS	33.7	-19.2	.62	45.66	54	-8.34	-	-	120	232	H
7	5.47	33.09	RMS	33.7	-19.2	.62	48.21	-	-	-	-	120	232	H
8	5.468	34.38	RMS	33.7	-19.2	.62	49.5	-	-	-	-	120	232	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	31150 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	40.7	PK	33.7	-19.2	0	55.2	-	-	74	-18.8	335	104	V
2	* 5.424	46.84	PK	33.6	-19.3	0	61.14	-	-	74	-12.86	335	104	V
3	5.47	43.65	PK	33.7	-19.2	0	58.15	-	-	68.2	-10.05	335	104	V
4	5.468	47.41	PK	33.7	-19.2	0	61.91	-	-	68.2	-6.29	335	104	V
5	* 5.46	31.84	RMS	33.7	-19.2	.62	46.96	54	-7.04	-	-	335	104	V
6	* 5.46	32.13	RMS	33.7	-19.2	.62	47.25	54	-6.75	-	-	335	104	V
7	5.47	35.81	RMS	33.7	-19.2	.62	50.93	-	-	-	-	335	104	V
8	5.47	36	RMS	33.7	-19.2	.62	51.12	-	-	-	-	335	104	V

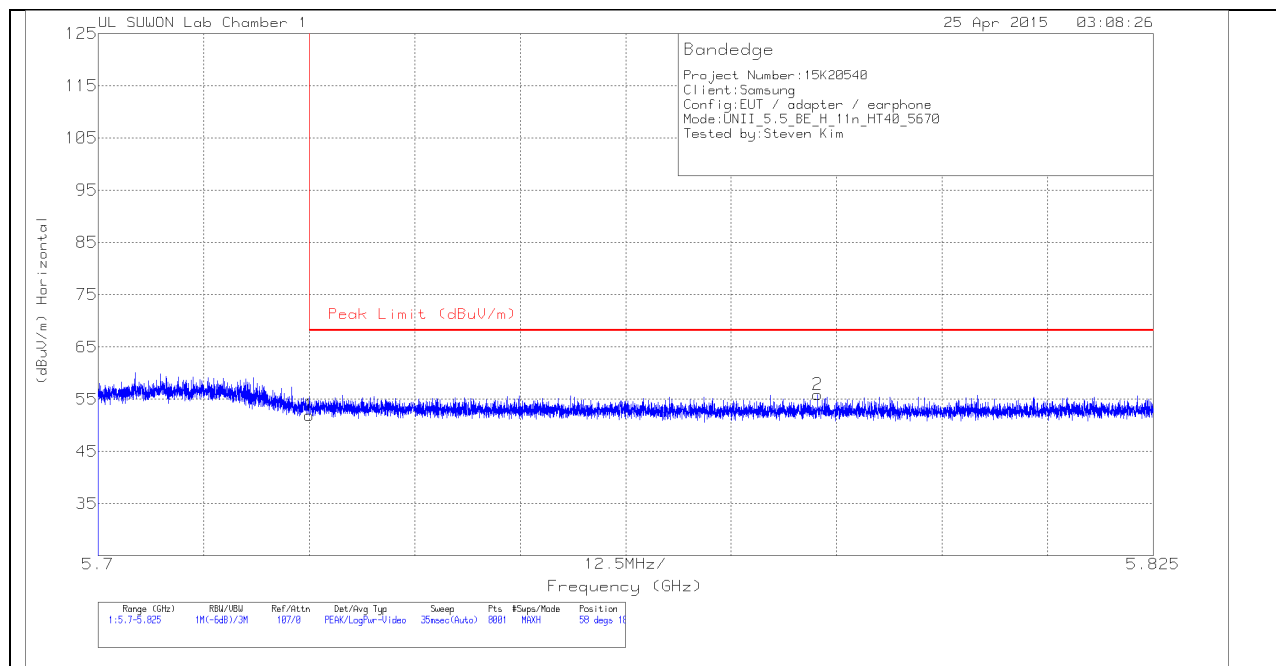
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

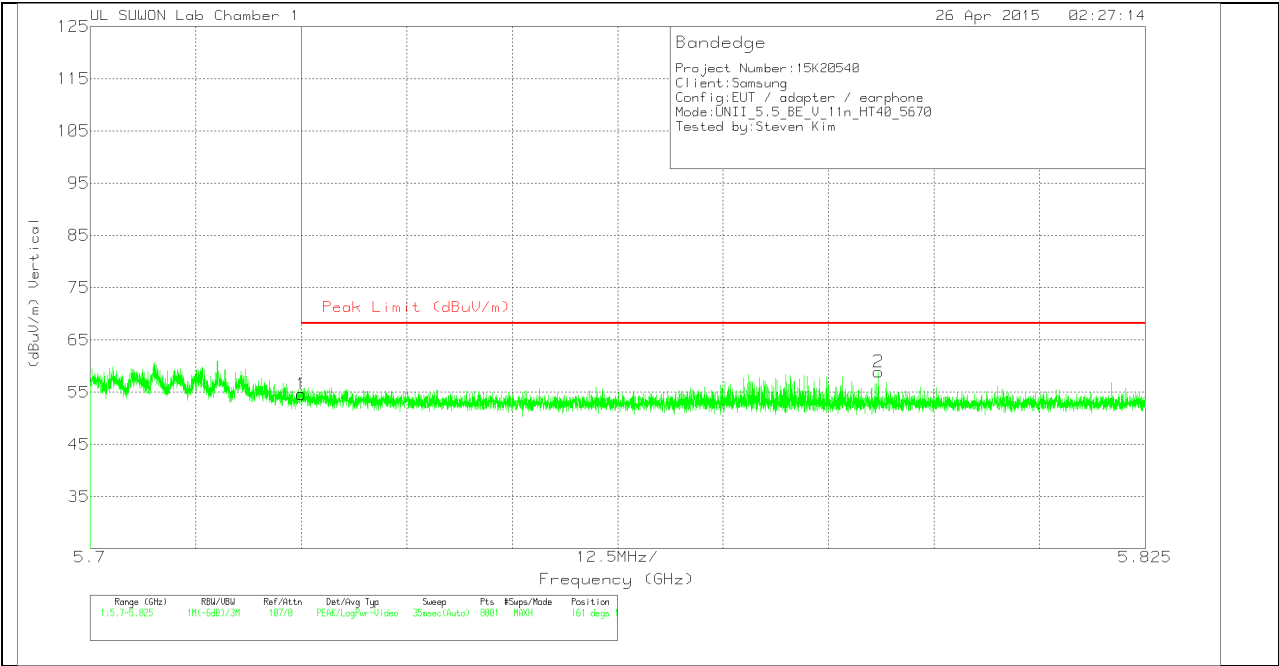
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10 dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.44	Pk	34.3	-18.8	0	51.94	68.2	-16.26	58	186	H
2	5.785	40.18	Pk	34.5	-18.8	0	55.88	68.2	-12.32	58	186	H

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

PK - Peak detector

RMS - RMS detection

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	39.11	Pk	34.3	-18.8	0	54.61	68.2	-13.59	161	102	V
2	5.793	43.29	Pk	34.5	-18.9	0	58.89	68.2	-9.31	161	102	V

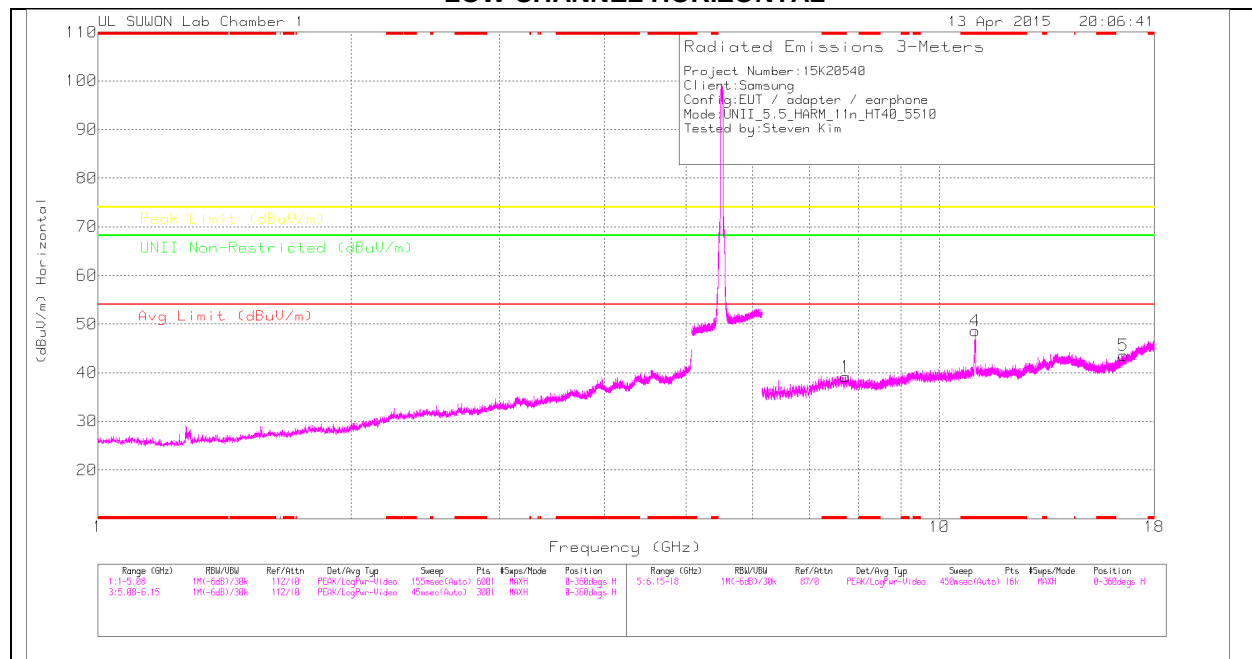
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

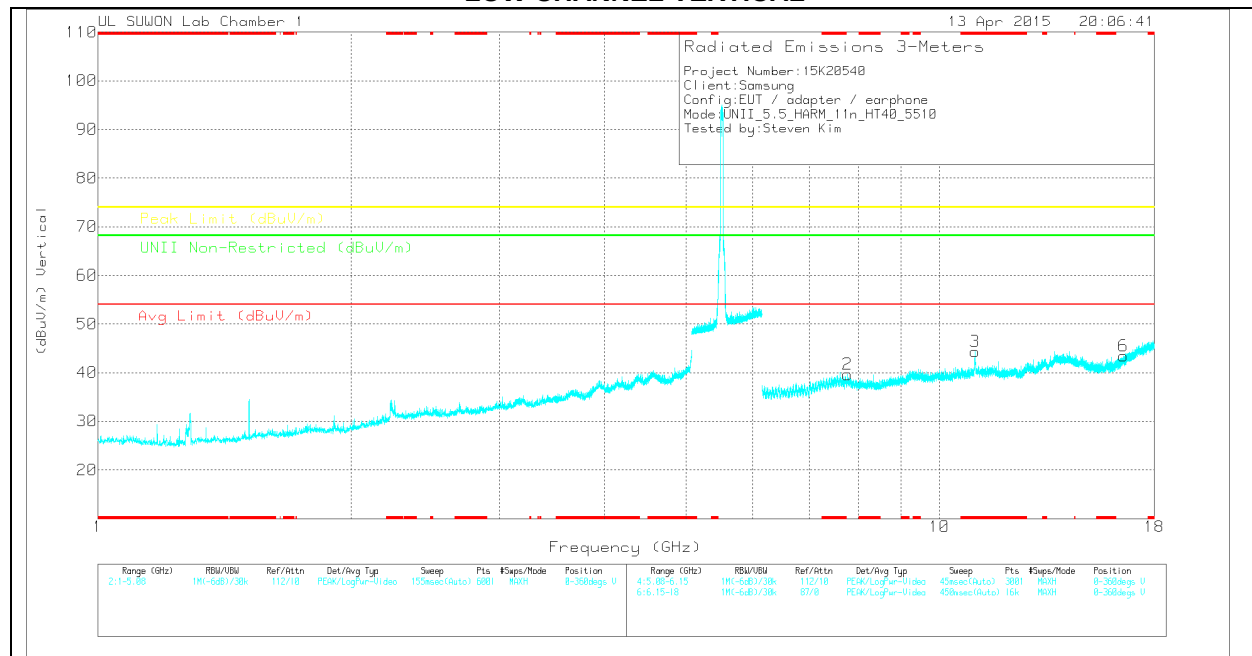
RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	* 7.733	26.1	PK	37.2	-24.1	0	39.2	-	-	74	-34.8	-	-	0-360	200	H
4	* 11.019	31.08	PK	38.4	-20.9	0	48.58	-	-	74	-25.42	-	-	0-360	200	H
5	16.529	21.32	PK	39.6	-17.4	0	43.52	-	-	-	-	68.2	-24.68	0-360	100	H
2	7.78	26.42	PK	37.2	-24	0	39.62	-	-	-	-	68.2	-28.58	0-360	100	V
3	* 11.02	26.88	PK	38.4	-20.9	0	44.38	-	-	74	-29.62	-	-	0-360	100	V
6	16.528	21.28	PK	39.6	-17.4	0	43.48	-	-	-	-	68.2	-24.72	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

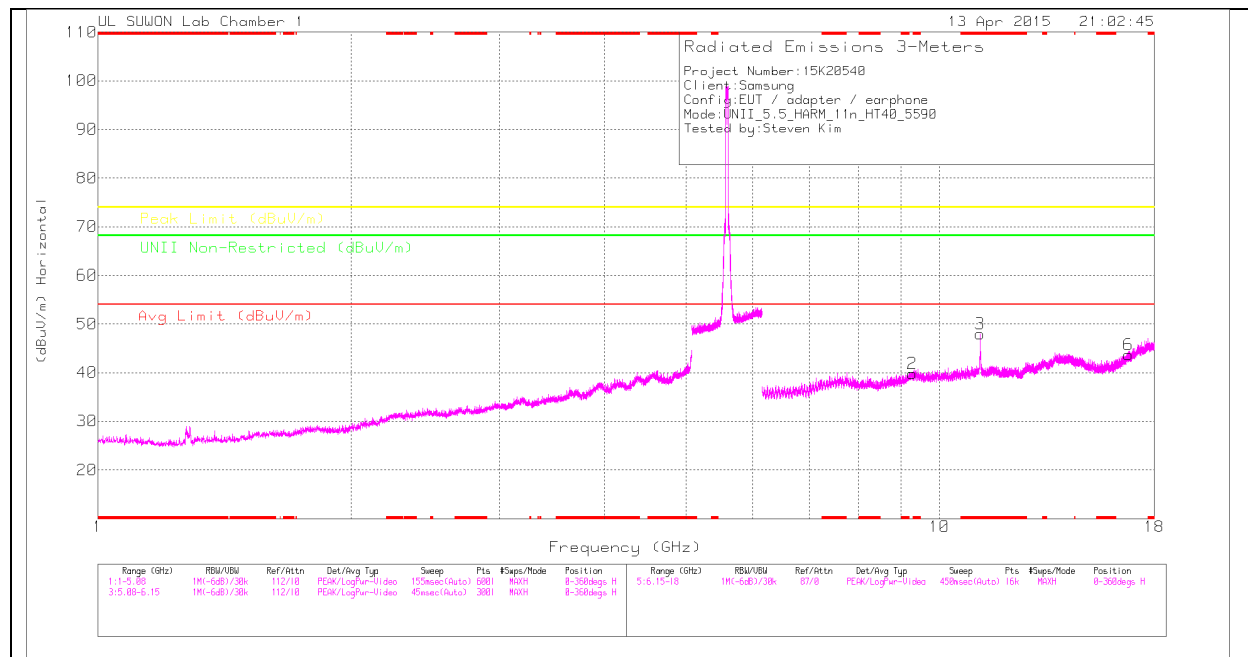
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.021	40.43	PK1	38.4	-20.9	0	57.93	-	-	74	-16.07	-	-	83	200	H
* 11.019	27.42	AD1	38.4	-20.9	.62	45.54	54	-8.46	-	-	-	-	83	200	H

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

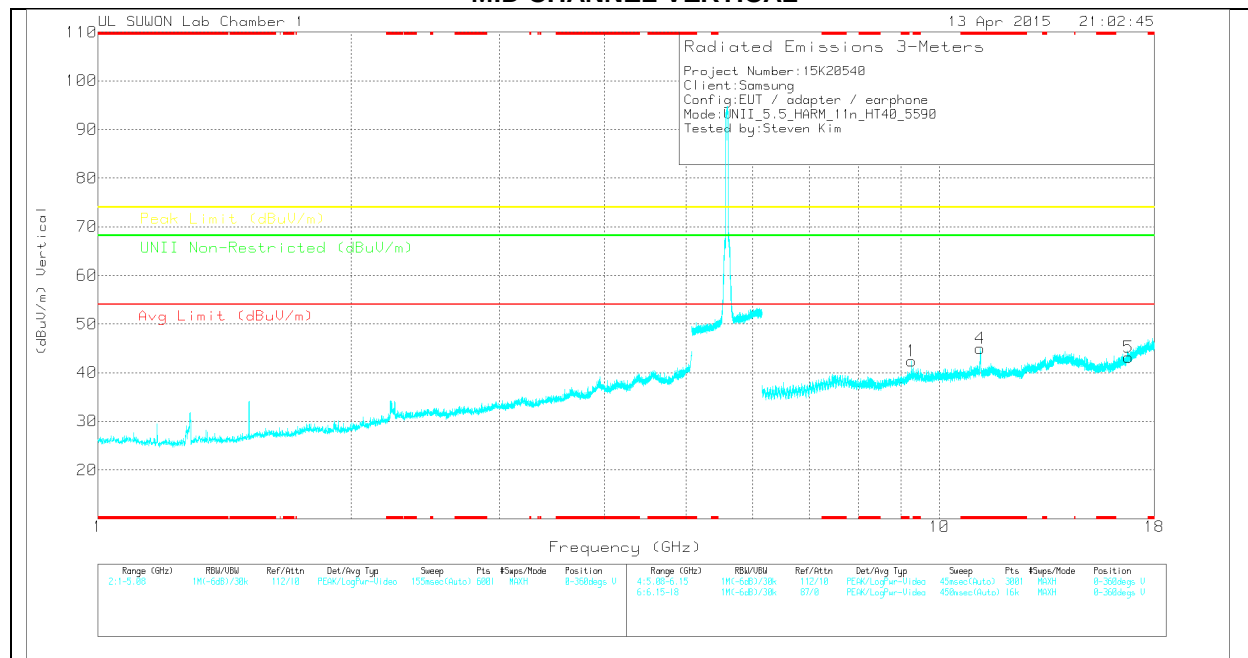
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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
2	9.28	23.66	PK	37.7	-21.5	0	39.86	-	-	-	-	68.2	-28.34	0-360	100	H
3	* 11.181	30.33	PK	38.5	-20.9	0	47.93	-	-	74	-26.07	-	-	0-360	200	H
6	16.772	20.34	PK	40.2	-16.9	0	43.64	-	-	-	-	68.2	-24.56	0-360	200	H
1	9.273	26.14	PK	37.7	-21.5	0	42.34	-	-	-	-	68.2	-25.86	0-360	100	V
4	* 11.176	27.34	PK	38.5	-20.9	0	44.94	-	-	74	-29.06	-	-	0-360	100	V
5	16.779	19.92	PK	40.2	-16.9	0	43.22	-	-	-	-	68.2	-24.98	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

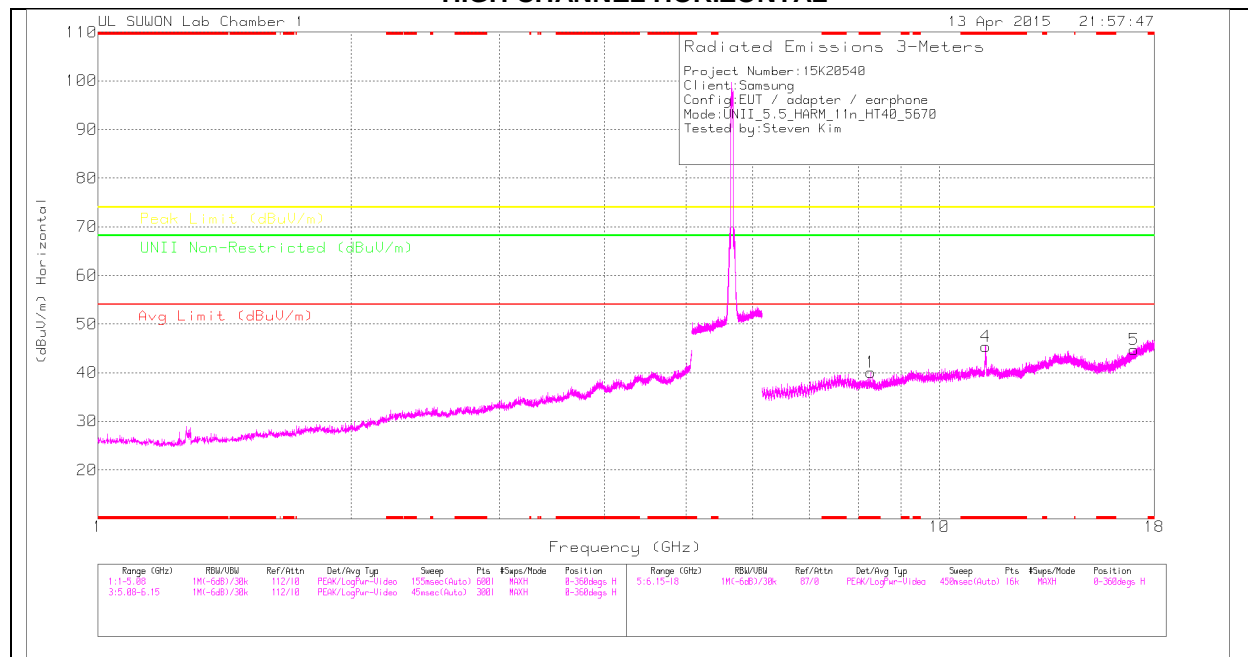
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.188	37.26	PK1	38.5	-20.9	0	54.86	-	-	74	-19.14	-	-	226	175	H
* 11.181	24.58	AD1	38.5	-20.9	.62	42.8	54	-11.2	-	-	-	-	226	175	H

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

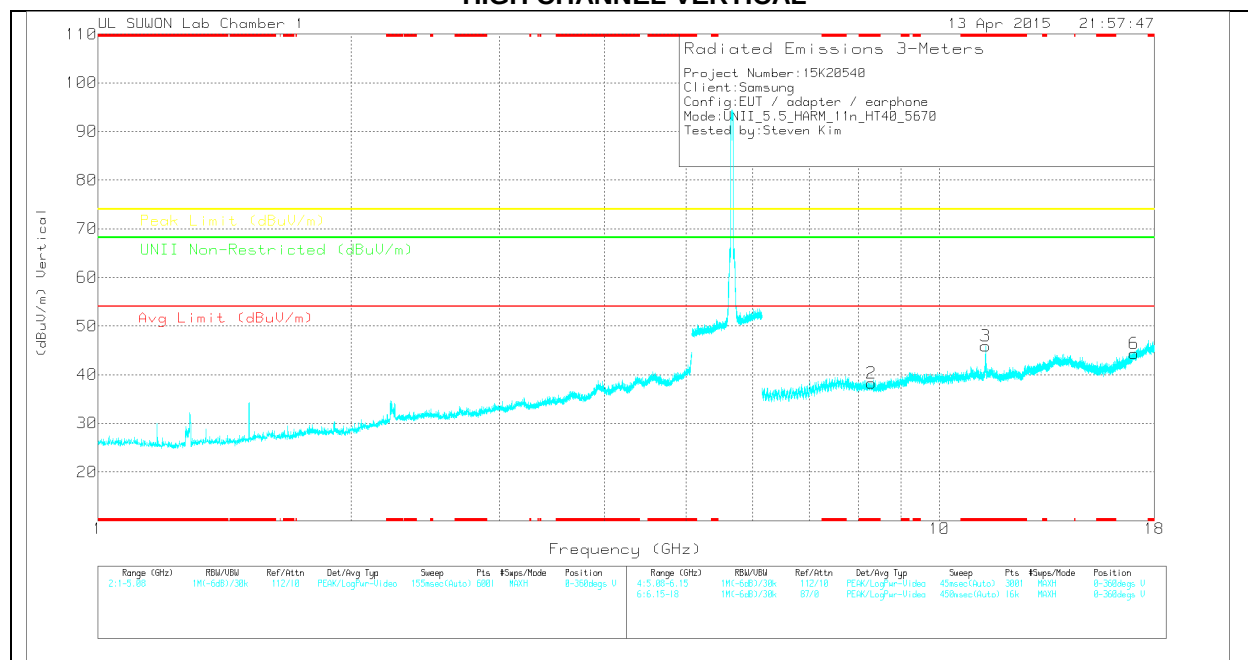
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	* 8.291	26.3	PK	37	-23.2	0	40.1	-	-	74	-33.9	-	-	0-360	200	H
4	* 11.353	27.35	PK	38.5	-20.5	0	45.35	-	-	74	-28.65	-	-	0-360	200	H
5	17.037	20.09	PK	40.8	-16.2	0	44.69	-	-	-	-	68.2	-23.51	0-360	200	H
2	* 8.298	24.36	PK	37	-23.1	0	38.26	-	-	74	-35.74	-	-	0-360	200	V
3	* 11.341	27.78	PK	38.5	-20.4	0	45.88	-	-	74	-28.12	-	-	0-360	100	V
6	17.028	19.71	PK	40.8	-16.2	0	44.31	-	-	-	-	68.2	-23.89	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_5_6GHP	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
* 11.341	37.51	PK1	38.5	-20.4	0	55.61	-	-	74	-18.39	-	-	350	195	V
* 11.341	23.69	AD1	38.5	-20.4	.62	42.41	54	-11.59	-	-	-	-	350	195	V

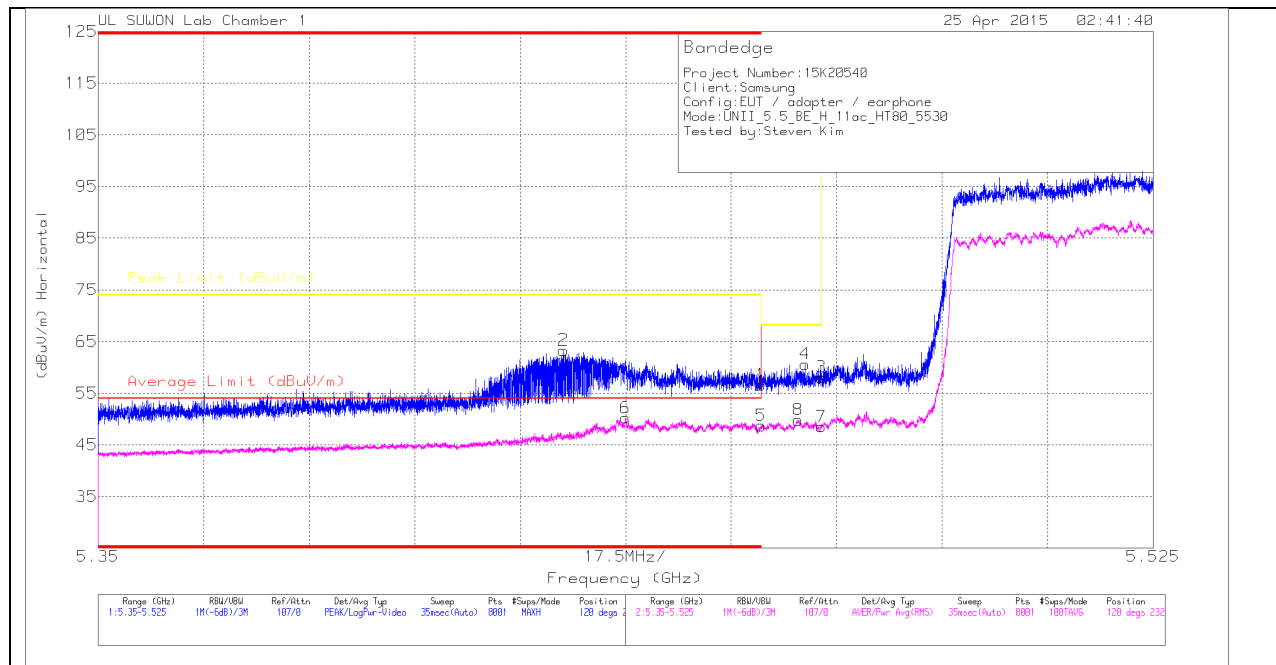
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

11.3.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

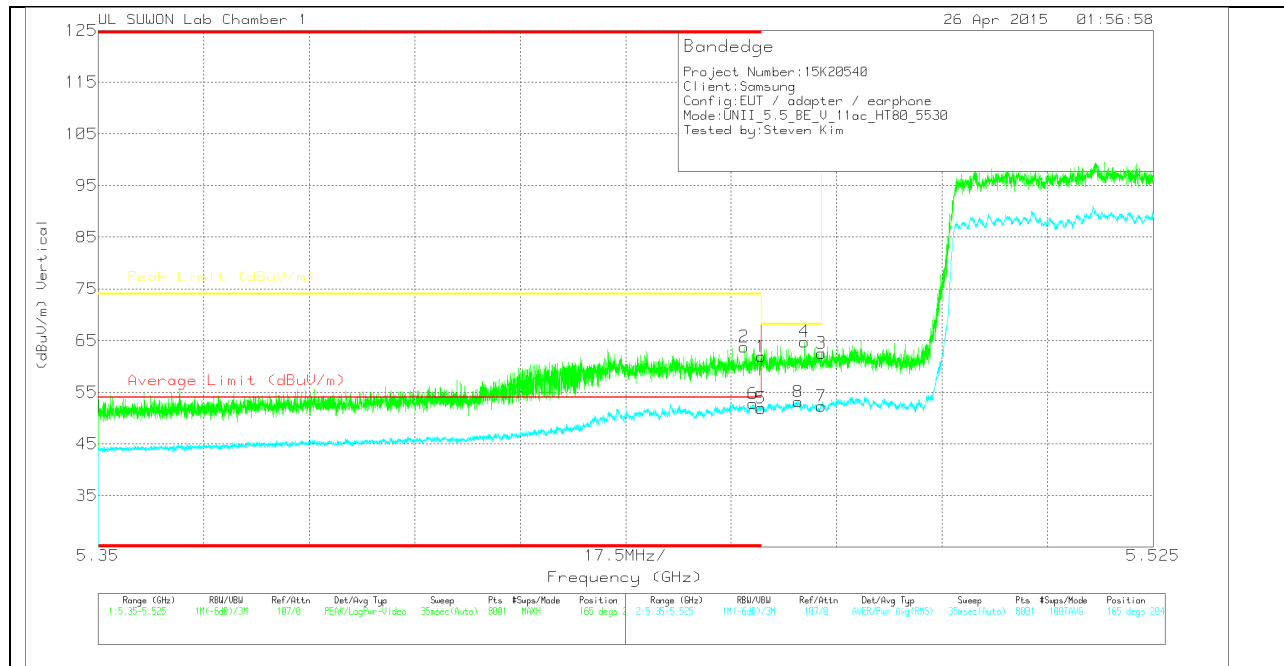
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	42.13	Pk	33.7	-19.2	0	56.63	-	-	74	-17.37	120	232	H
2	* 5.427	49	Pk	33.6	-19.3	0	63.3	-	-	74	-10.7	120	232	H
3	5.47	43.59	Pk	33.7	-19.2	0	58.09	-	-	68.2	-10.11	120	232	H
4	5.467	46.15	Pk	33.7	-19.2	0	60.65	-	-	68.2	-7.55	120	232	H
5	* 5.46	33.61	RMS	33.7	-19.2	.62	48.73	54	-5.27	-	-	120	232	H
6	* 5.437	35.2	RMS	33.6	-19.2	.62	50.22	54	-3.78	-	-	120	232	H
7	5.47	33.42	RMS	33.7	-19.2	.62	48.54	-	-	-	-	120	232	H
8	5.466	34.7	RMS	33.7	-19.2	.62	49.82	-	-	-	-	120	232	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	31150 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	47.41	PK	33.7	-19.2	0	61.91	-	-	74	-12.09	165	204	V
2	* 5.457	49.29	PK	33.7	-19.2	0	63.79	-	-	74	-10.21	165	204	V
3	5.47	48.05	PK	33.7	-19.2	0	62.55	-	-	68.2	-5.65	165	204	V
4	5.467	50.27	PK	33.7	-19.2	0	64.77	-	-	68.2	-3.43	165	204	V
5	* 5.46	36.24	RMS	33.7	-19.2	1.15	51.89	54	-2.11	-	-	165	204	V
6	* 5.459	37.14	RMS	33.7	-19.2	1.15	52.79	54	-1.21	-	-	165	204	V
7	5.47	36.65	RMS	33.7	-19.2	1.15	52.3	-	-	-	-	165	204	V
8	5.466	37.49	RMS	33.7	-19.2	1.15	53.14	-	-	-	-	165	204	V

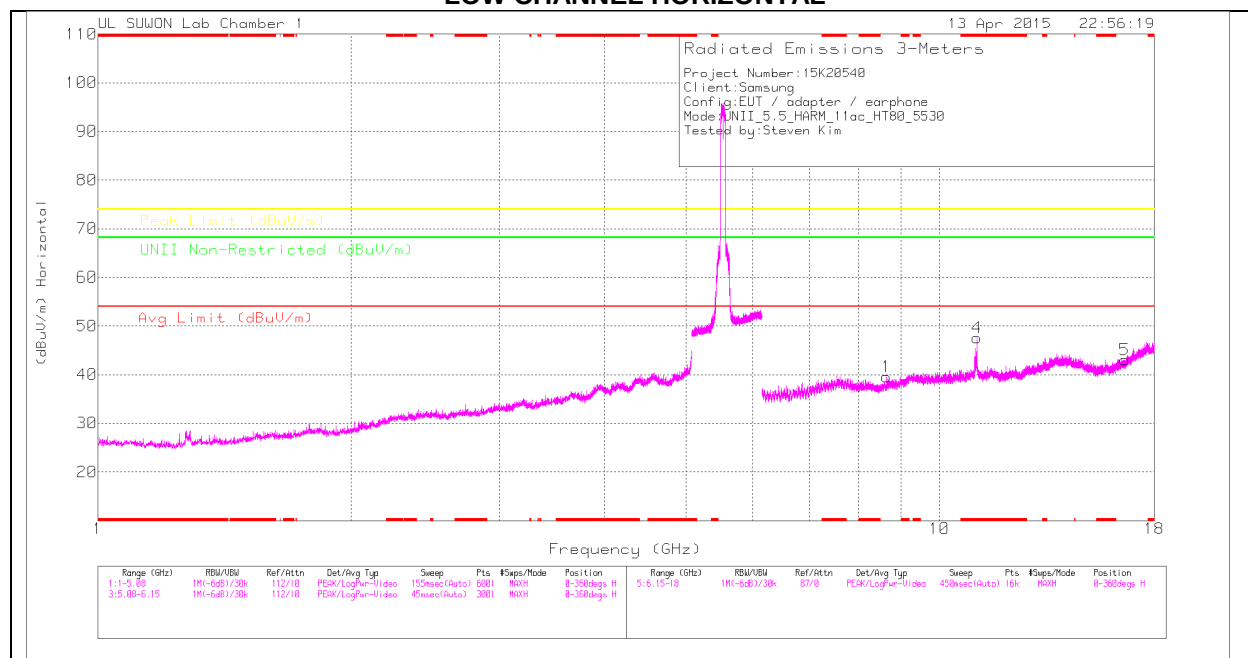
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

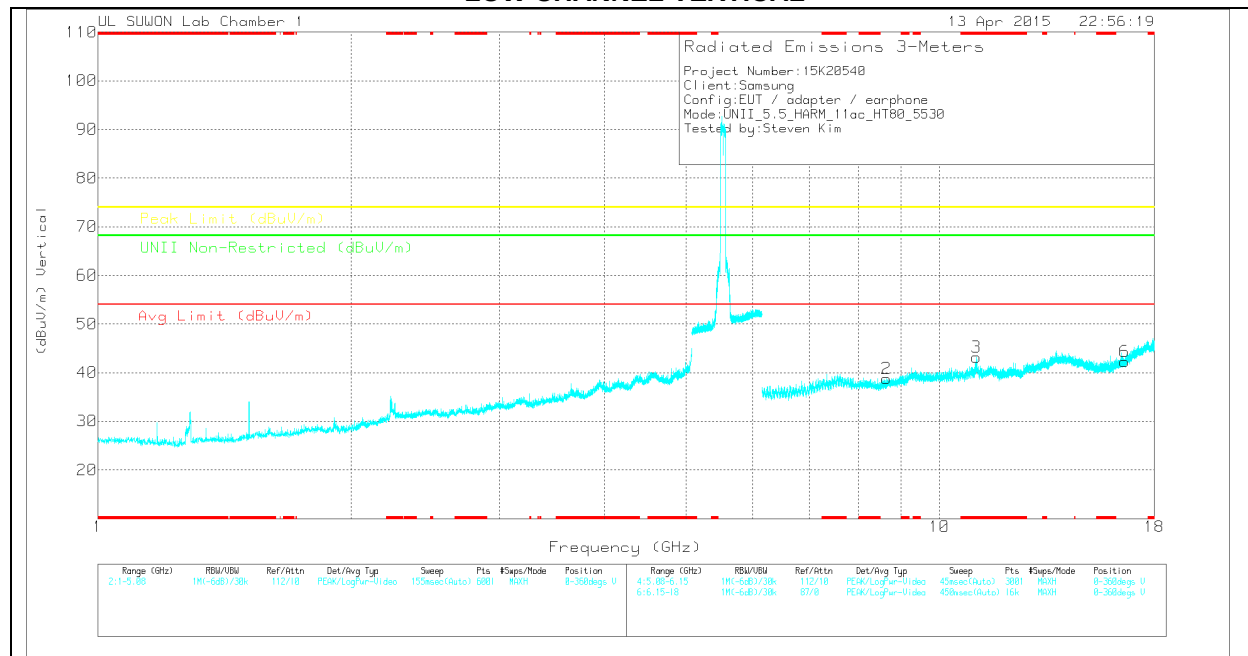
RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	8.652	25.66	PK	37.3	-23.4	0	39.56	-	-	-	-	68.2	-28.64	0-360	100	H
4	* 11.079	29.9	PK	38.4	-20.7	0	47.6	-	-	74	-26.4	-	-	0-360	200	H
5	16.596	20.71	PK	39.7	-17.4	0	43.01	-	-	-	-	68.2	-25.19	0-360	200	H
2	8.656	24.85	PK	37.3	-23.4	0	38.75	-	-	-	-	68.2	-29.45	0-360	200	V
3	* 11.068	25.51	PK	38.4	-20.7	0	43.21	-	-	74	-30.79	-	-	0-360	200	V
6	16.603	19.99	PK	39.7	-17.4	0	42.29	-	-	-	-	68.2	-25.91	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_5_6GHP	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
* 11.013	34.36	PK1	38.4	-21	0	51.76	-	-	74	-22.24	-	-	80	198	H
* 11.071	22.77	AD1	38.4	-20.7	1.15	41.62	54	-12.38	-	-	-	-	80	198	H

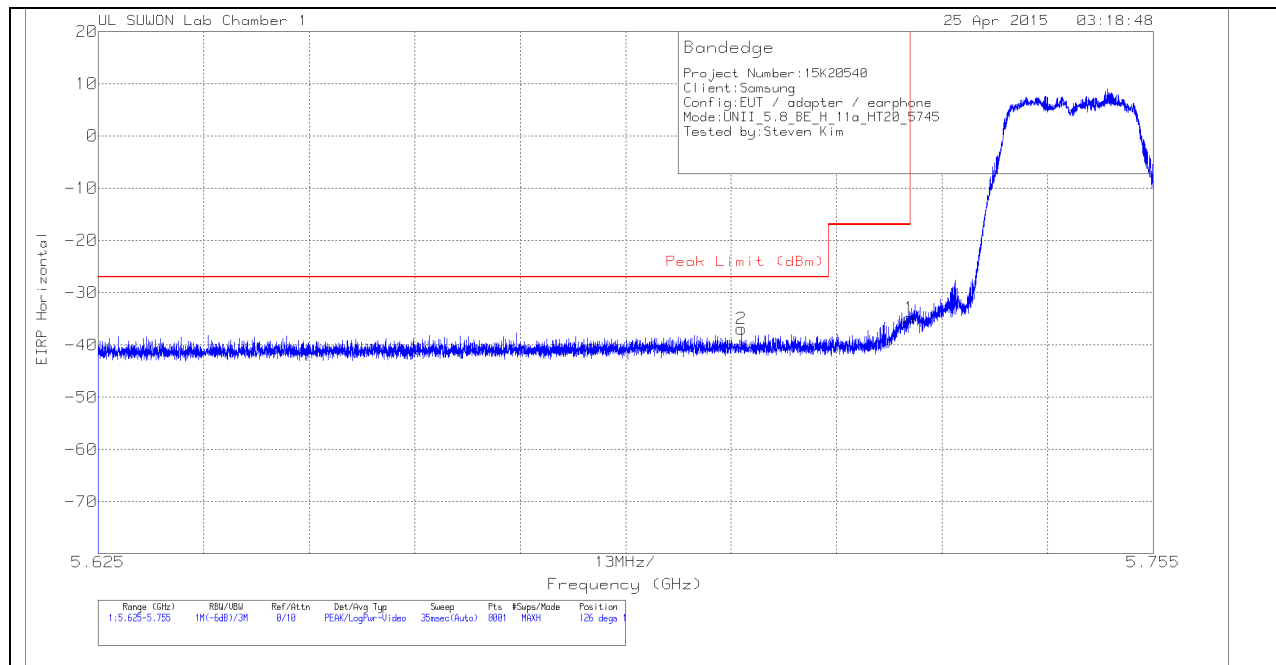
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

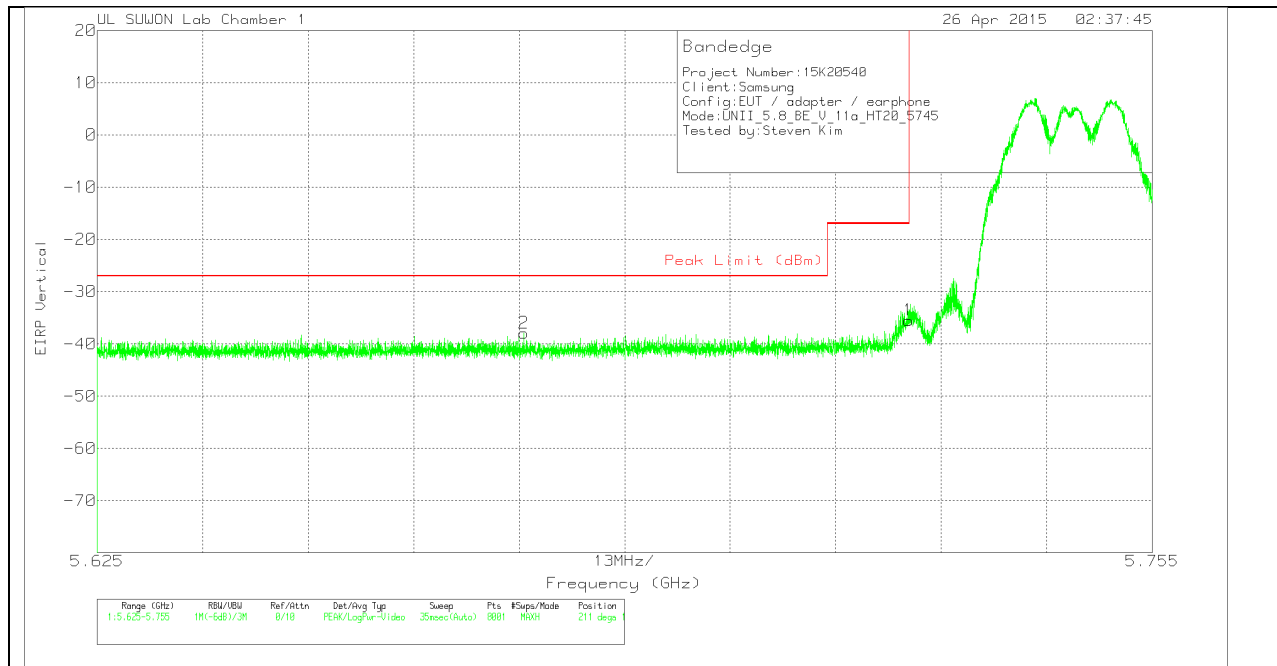
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-62.11	Pk	34.3	-18.8	11.8	0	-34.81	-17	-17.81	126	145	H
2	5.704	-64.1	Pk	34.3	-18.9	11.8	0	-36.9	-27	-9.9	126	145	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	5.725	-62.77	Pk	34.3	-18.8	11.8	0	-35.47	-17	-18.47	211	100	V
2	5.678	-65.02	Pk	34.2	-18.9	11.8	0	-37.92	-27	-10.92	211	100	V

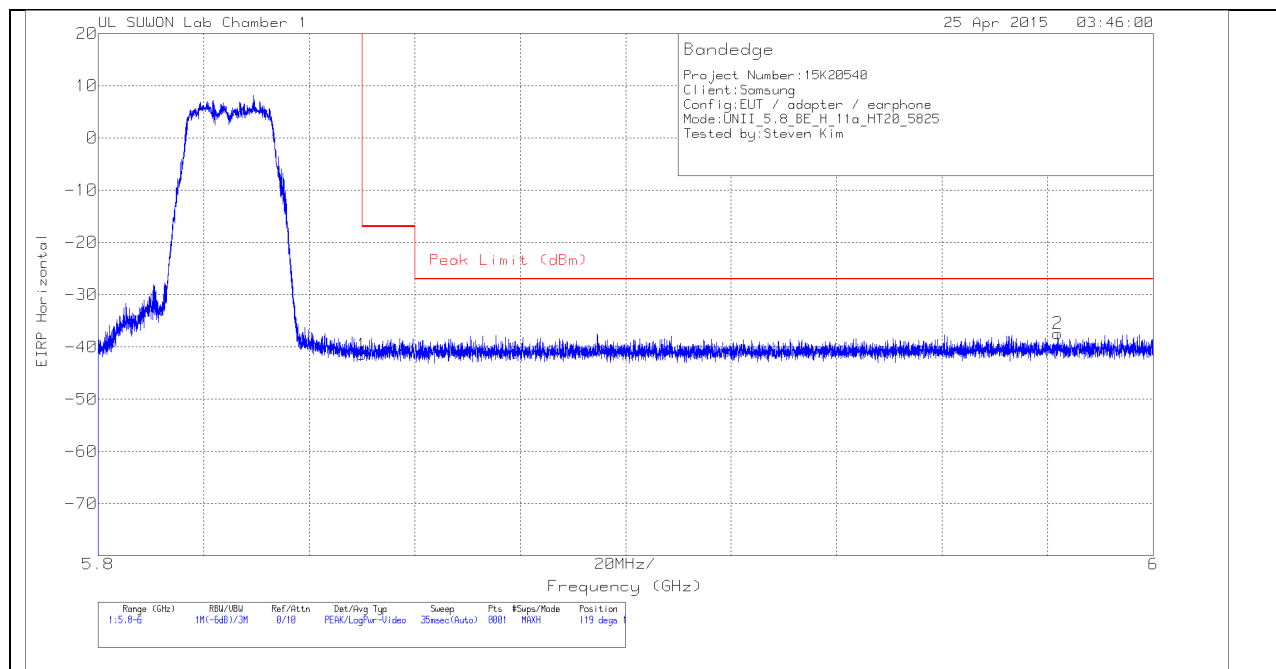
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

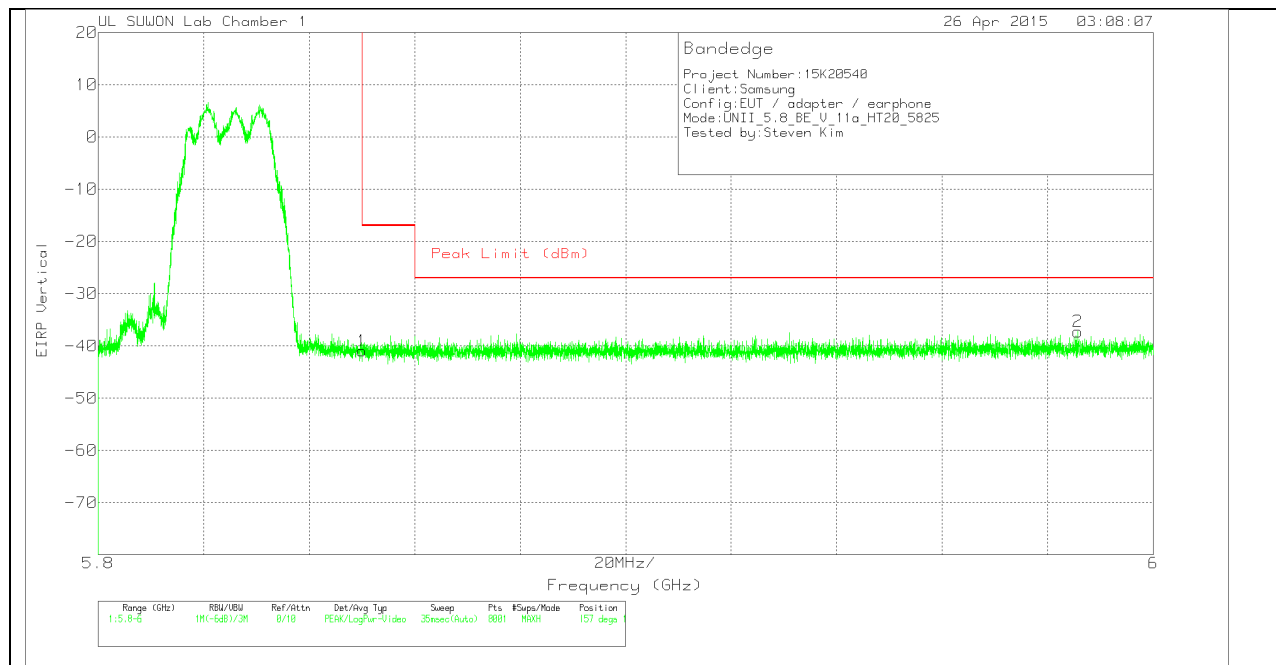
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.03	Pk	34.7	-18.9	11.8	0	-41.43	-17	-24.43	119	192	H
2	5.982	-65.73	Pk	35.1	-18.6	11.8	0	-37.43	-27	-10.43	119	192	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK PLOT



VERTICAL DATA

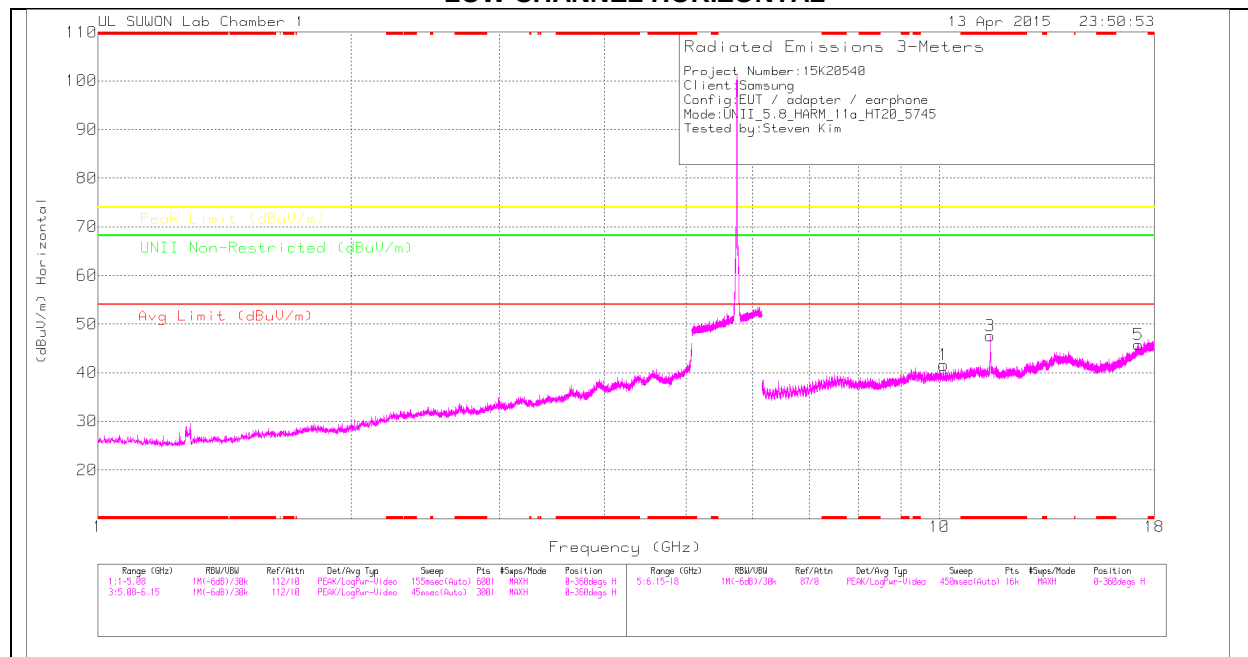
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.56	Pk	34.7	-18.9	11.8	0	-40.96	-17	-23.96	157	107	V
2	5.986	-65.67	Pk	35.2	-18.6	11.8	0	-37.27	-27	-10.27	157	107	V

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

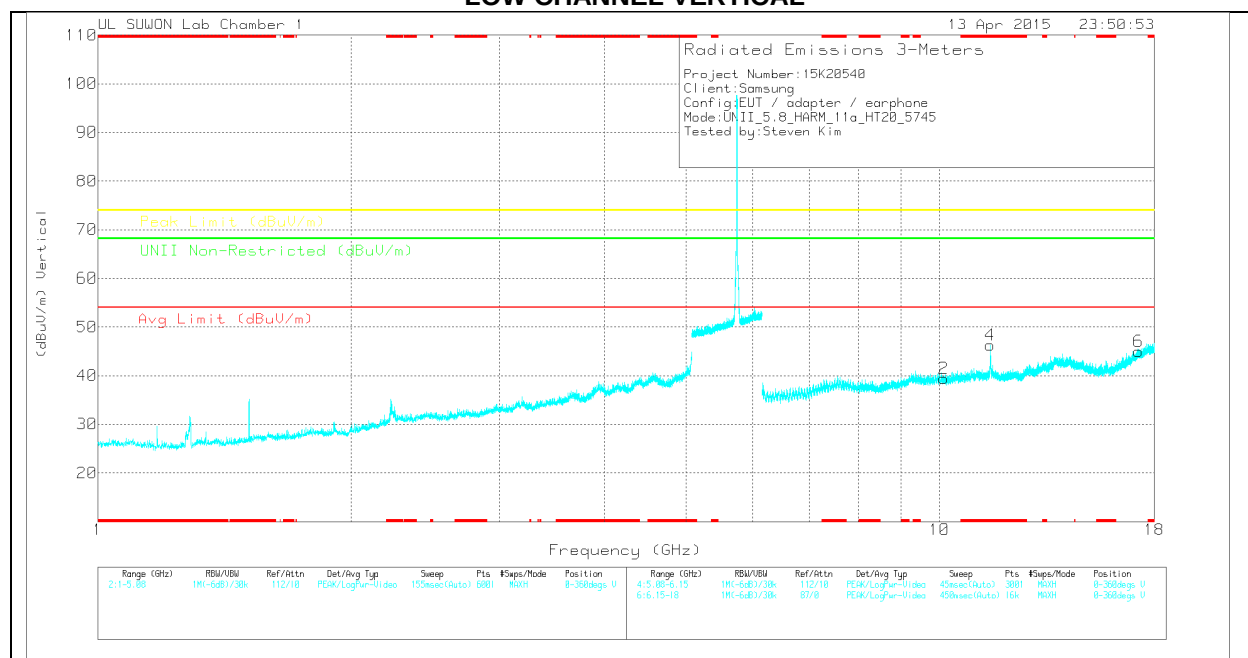
PK - Peak detector

RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	10.111	24.76	PK	38.1	-21.3	0	41.56	-	-	-	-	68.2	-26.64	0-360	100	H
3	* 11.492	29.66	PK	38.6	-20.7	0	47.56	-	-	74	-26.44	-	-	0-360	200	H
5	17.237	19.85	PK	41.5	-15.6	0	45.75	-	-	-	-	68.2	-22.45	0-360	100	H
2	10.117	22.49	PK	38.1	-21.2	0	39.39	-	-	-	-	68.2	-28.81	0-360	200	V
4	* 11.49	28.43	PK	38.6	-20.7	0	46.33	-	-	74	-27.67	-	-	0-360	200	V
6	17.237	19.09	PK	41.5	-15.6	0	44.99	-	-	-	-	68.2	-23.21	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

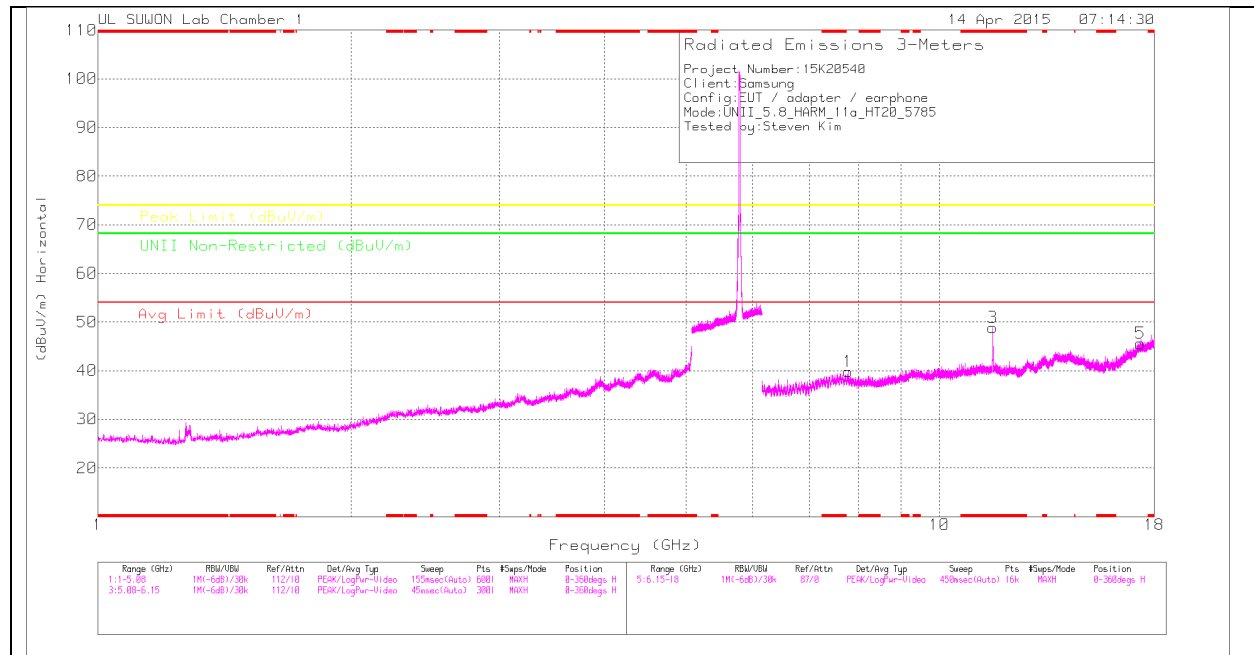
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.491	40.49	PK1	38.6	-20.7	0	58.39	-	-	74	-15.61	-	-	52	199	H
* 11.49	28	AD1	38.6	-20.7	.31	46.21	54	-7.79	-	-	-	-	52	199	H
* 11.491	36.31	PK1	38.6	-20.7	0	54.21	-	-	74	-19.79	-	-	351	297	V
* 11.491	26.87	AD1	38.6	-20.7	.31	45.08	54	-8.92	-	-	-	-	351	297	V

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

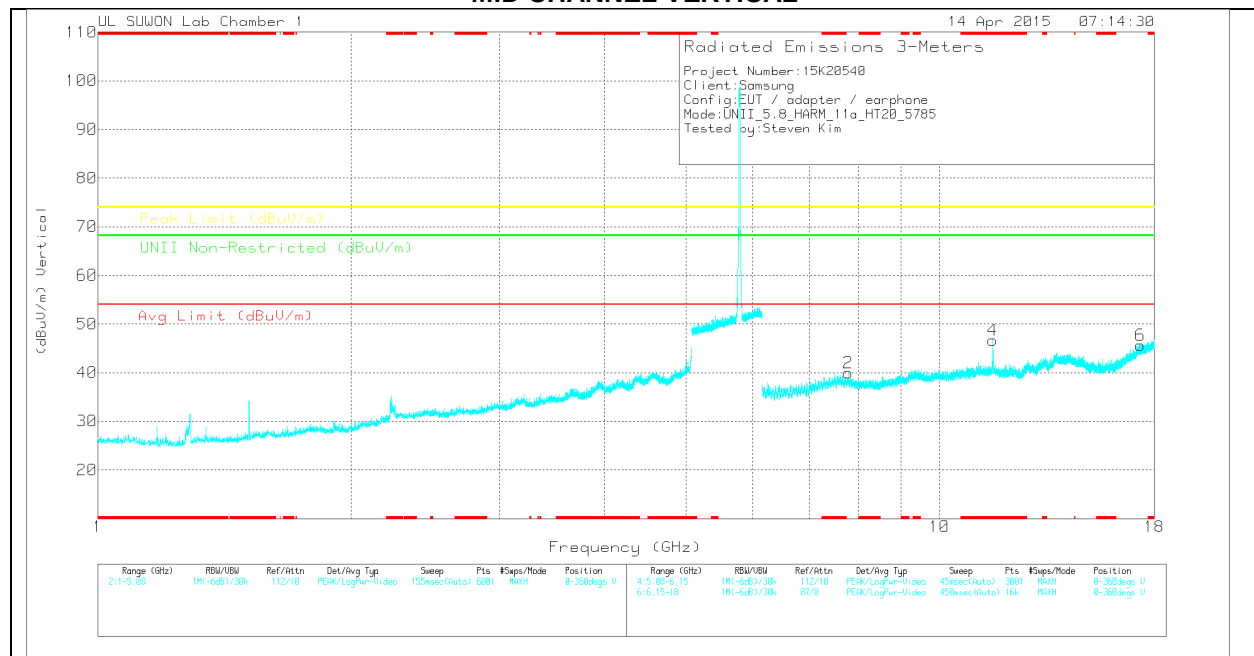
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	7.789	26.65	PK	37.2	-24	0	39.85	-	-	-	-	68.2	-28.35	0-360	200	H
3	* 11.571	30.73	PK	38.6	-20.5	0	48.83	-	-	74	-25.17	-	-	0-360	100	H
5	17.331	19.57	PK	41.7	-15.7	0	45.57	-	-	-	-	68.2	-22.63	0-360	100	H
2	7.786	26.72	PK	37.2	-24	0	39.92	-	-	-	-	68.2	-28.28	0-360	200	V
4	* 11.567	28.7	PK	38.6	-20.6	0	46.7	-	-	74	-27.3	-	-	0-360	200	V
6	17.328	19.62	PK	41.7	-15.7	0	45.62	-	-	-	-	68.2	-22.58	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

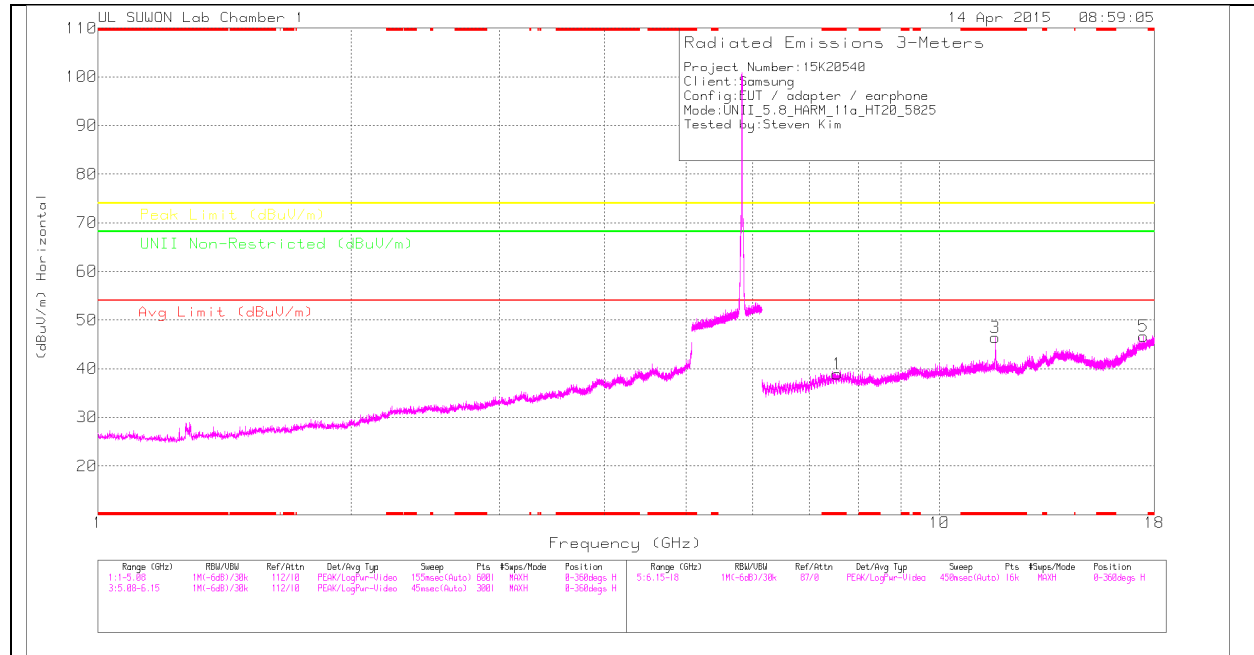
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.569	37.39	PK1	38.6	-20.6	0	55.39	-	-	74	-18.61	-	-	66	201	H
* 11.57	26.79	AD1	38.6	-20.5	.31	45.2	54	-8.8	-	-	-	-	66	201	H
* 11.571	38.23	PK1	38.6	-20.5	0	56.33	-	-	74	-17.67	-	-	353	187	V
* 11.57	27.86	AD1	38.6	-20.5	.31	46.27	54	-7.73	-	-	-	-	353	187	V

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

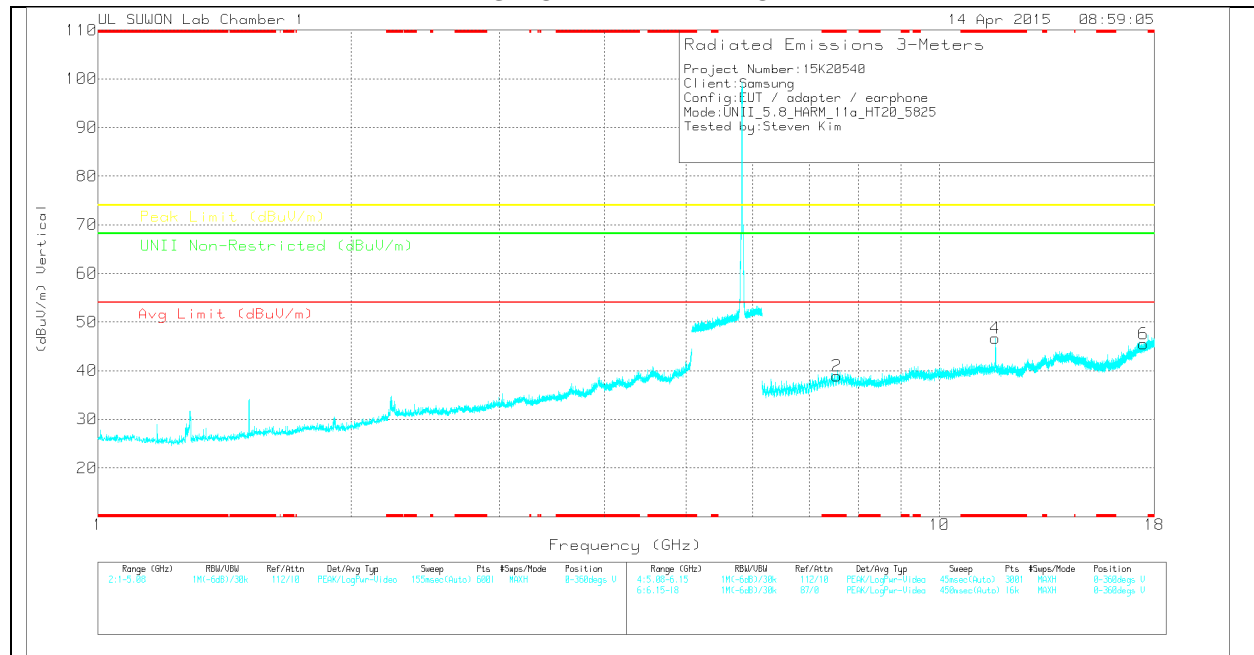
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	25.71	PK	37.4	-24.2	0	38.91	-	-	74	-35.09	-	-	0-360	100	H
3	* 11.65	28.47	PK	38.5	-20.6	0	46.37	-	-	74	-27.63	-	-	0-360	200	H
5	17.476	20.14	PK	42	-15.5	0	46.64	-	-	-	-	68.2	-21.56	0-360	200	H
2	* 7.553	25.67	PK	37.4	-24.2	0	38.87	-	-	74	-35.13	-	-	0-360	100	V
4	* 11.65	28.8	PK	38.5	-20.6	0	46.7	-	-	74	-27.3	-	-	0-360	200	V
6	17.471	19.25	PK	41.9	-15.6	0	45.55	-	-	-	-	68.2	-22.65	0-360	100	V

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

PK – Peak detector

Radiated Emissions

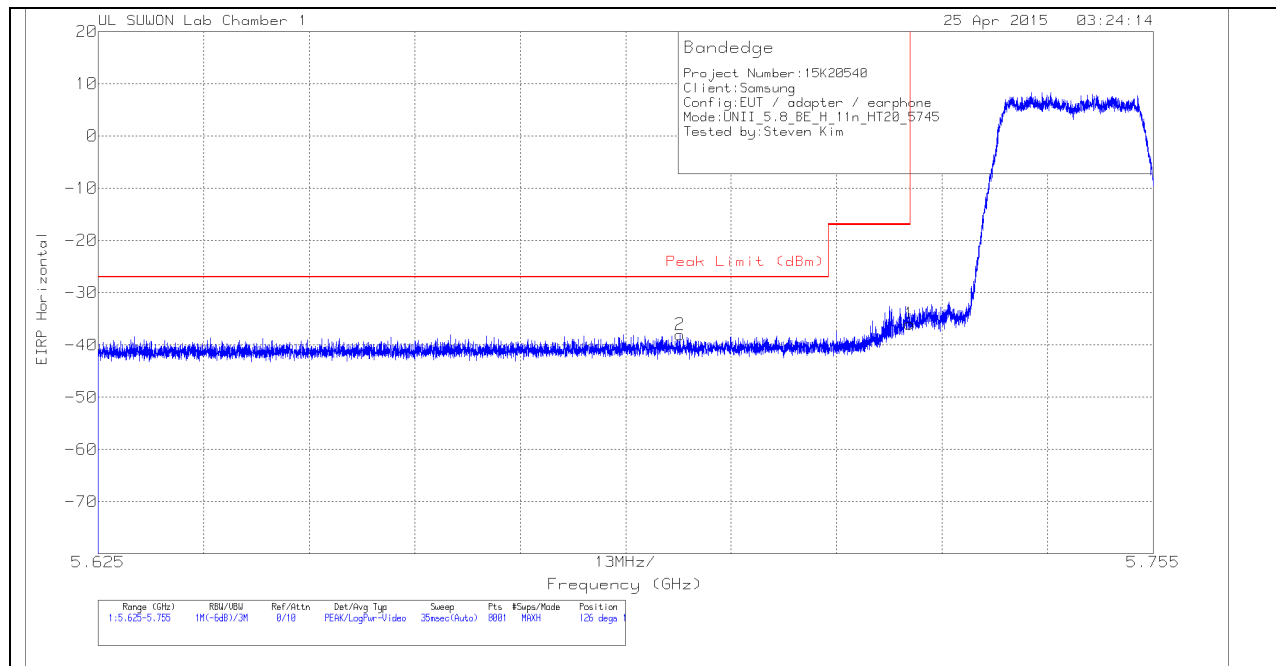
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.651	38.03	PK1	38.5	-20.6	0	55.93	-	-	74	-18.07	-	-	163	231	H
* 11.651	27.63	AD1	38.5	-20.6	.31	45.84	54	-8.16	-	-	-	-	163	231	H
* 11.649	32.31	PK1	38.5	-20.6	0	50.21	-	-	74	-23.79	-	-	348	330	V
* 11.65	23.51	AD1	38.5	-20.6	.31	41.72	54	-12.28	-	-	-	-	348	330	V

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

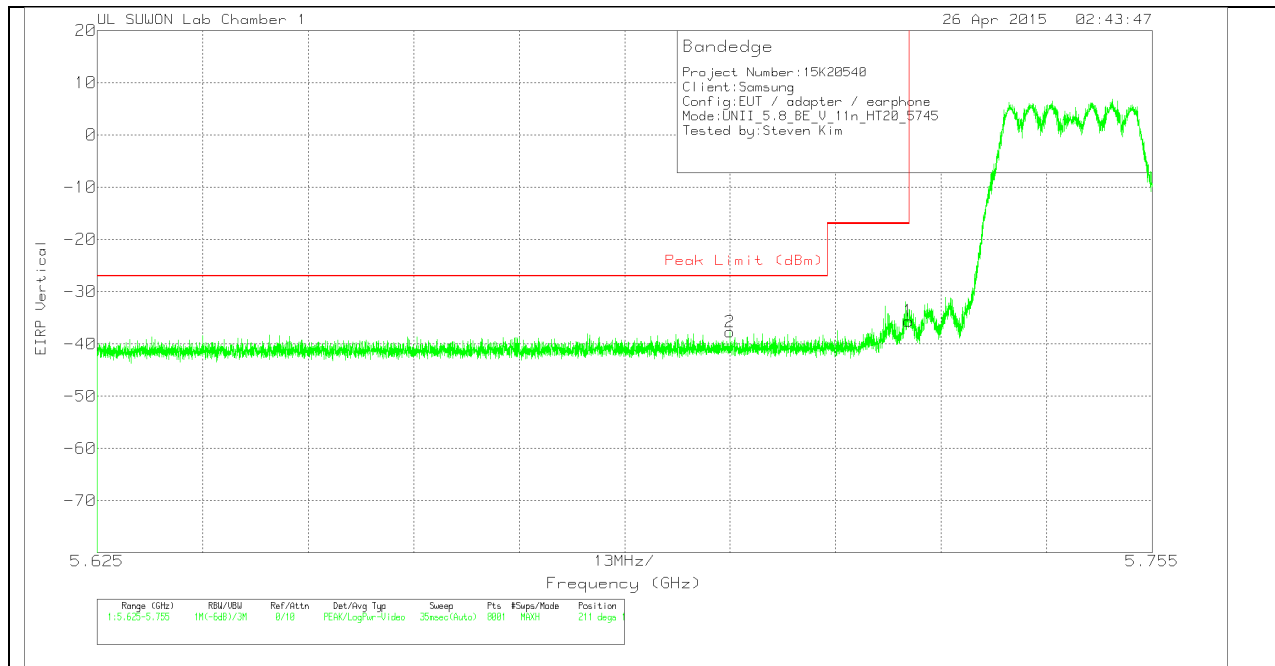
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-63.26	Pk	34.3	-18.8	11.8	0	-35.96	-17	-18.96	126	145	H
2	5.697	-65.22	Pk	34.3	-18.9	11.8	0	-38.02	-27	-11.02	126	145	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	5.725	-62.93	Pk	34.3	-18.8	11.8	0	-35.63	-17	-18.63	211	100	V
2	5.703	-64.93	Pk	34.3	-18.9	11.8	0	-37.73	-27	-10.73	211	100	V

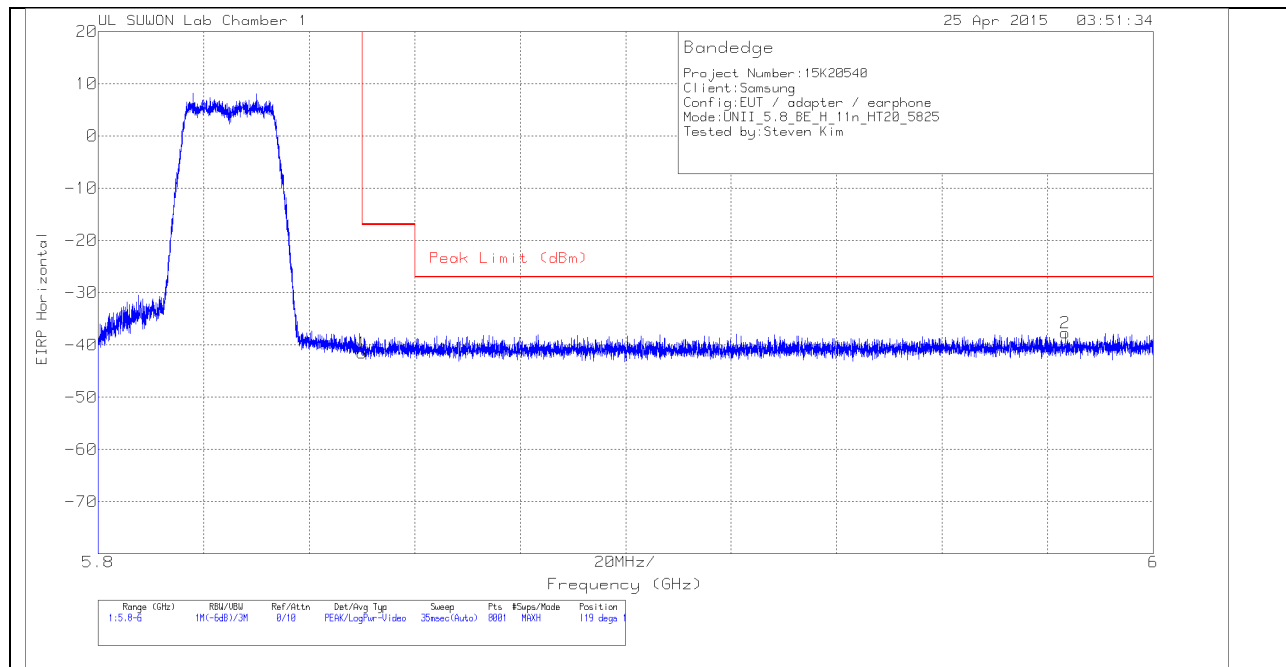
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

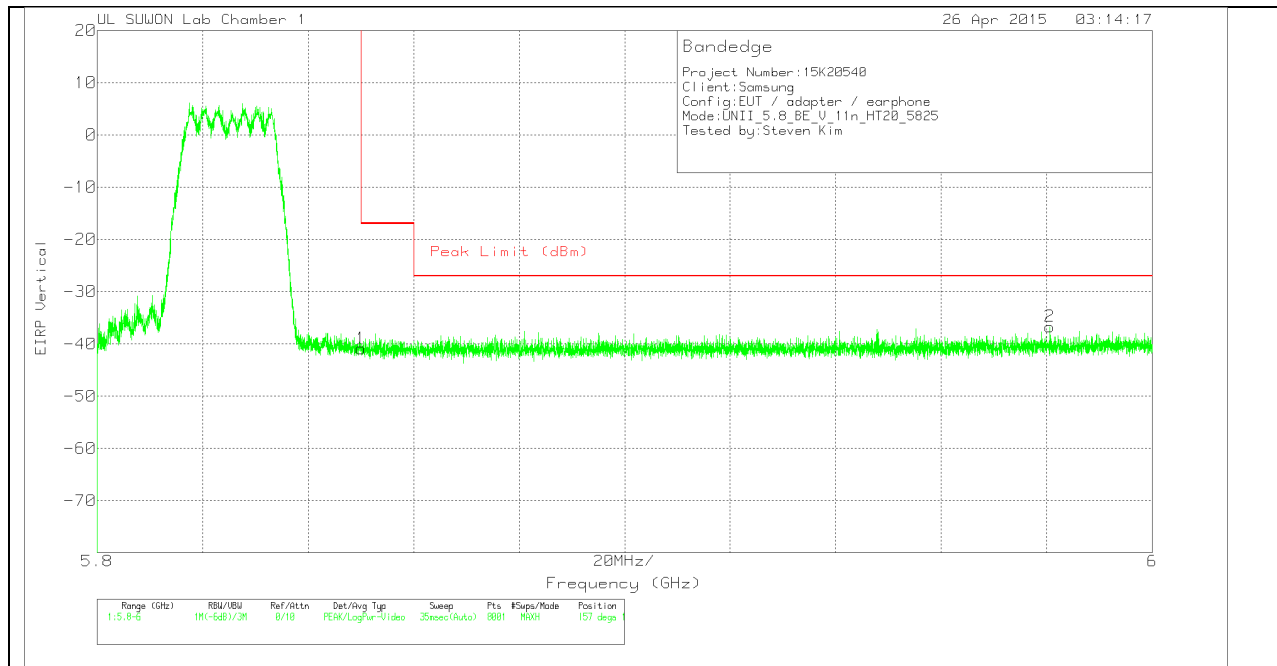
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.16	Pk	34.7	-18.9	11.8	0	-41.56	-17	-24.56	119	192	H
2	5.983	-66.01	Pk	35.1	-18.6	11.8	0	-37.71	-27	-10.71	119	192	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK PLOT



VERTICAL DATA

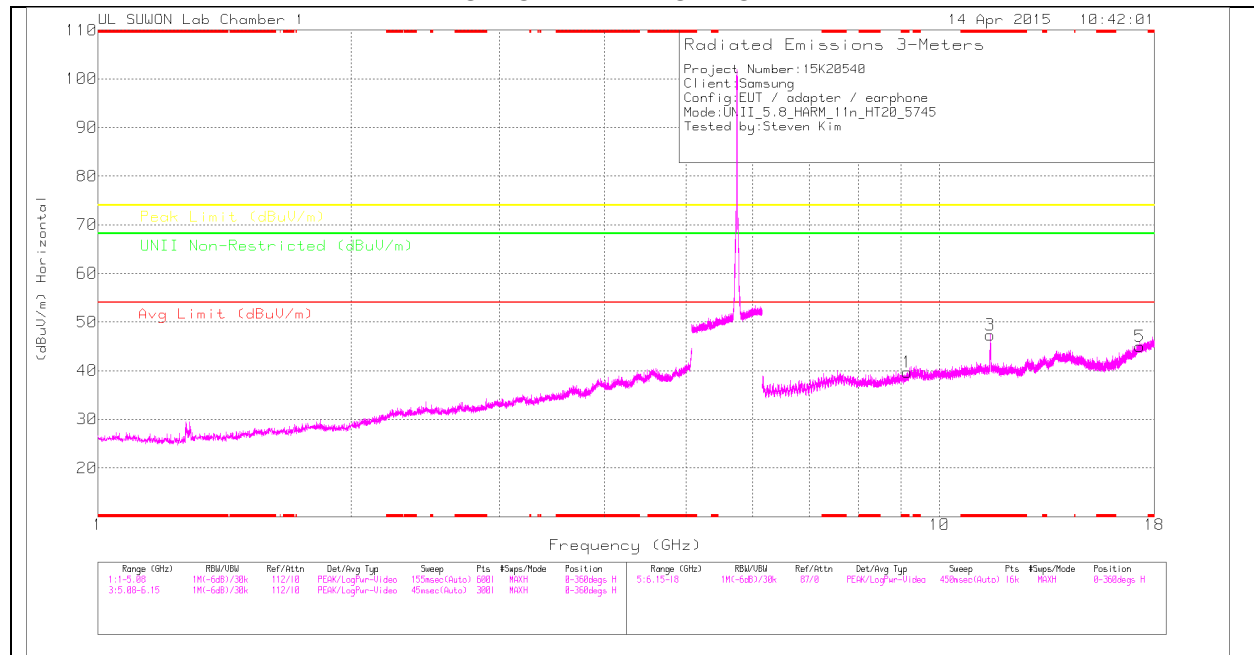
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.48	Pk	34.7	-18.9	11.8	0	-40.88	-17	-23.88	157	107	V
2	5.981	-64.98	Pk	35.1	-18.6	11.8	0	-36.68	-27	-9.68	157	107	V

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

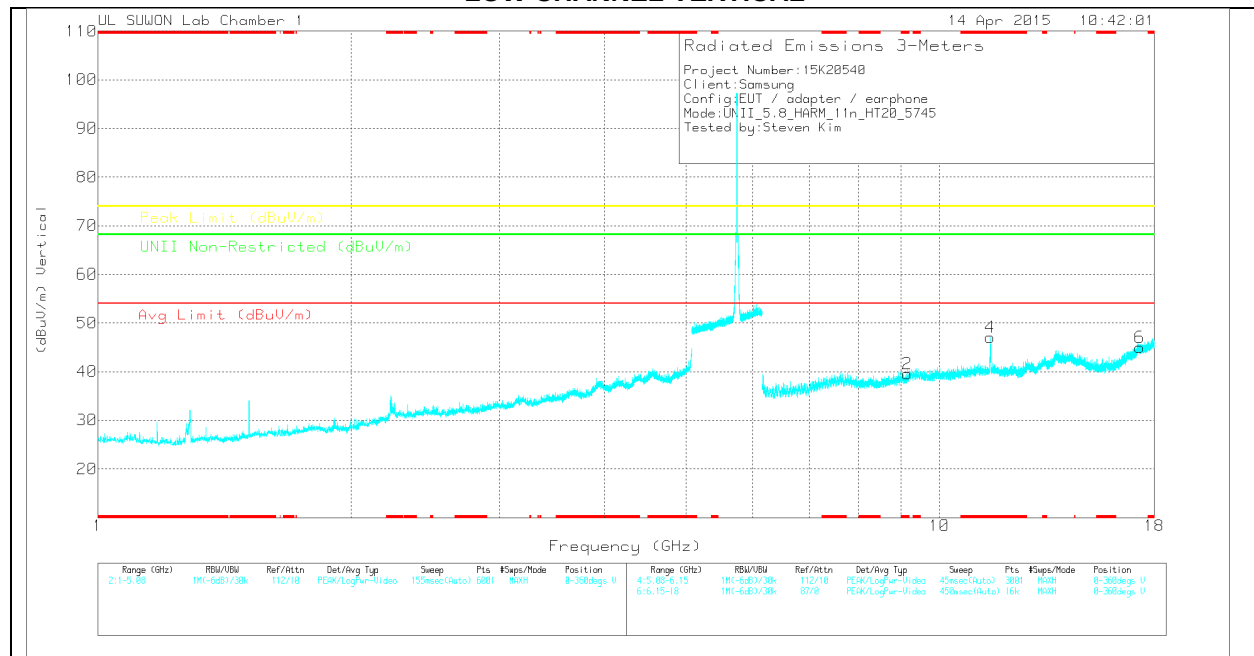
PK - Peak detector

RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	* 9.155	24.69	PK	37.6	-22.6	0	39.69	-	-	74	-34.31	-	-	0-360	200	H
3	* 11.495	29.46	PK	38.6	-20.7	0	47.36	-	-	74	-26.64	-	-	0-360	200	H
5	17.303	19.21	PK	41.6	-15.8	0	45.01	-	-	-	-	68.2	-23.19	0-360	200	H
2	* 9.16	24.52	PK	37.6	-22.6	0	39.52	-	-	74	-34.48	-	-	0-360	200	V
4	* 11.493	29.16	PK	38.6	-20.7	0	47.06	-	-	74	-26.94	-	-	0-360	100	V
6	17.29	19.14	PK	41.6	-15.7	0	45.04	-	-	-	-	68.2	-23.16	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

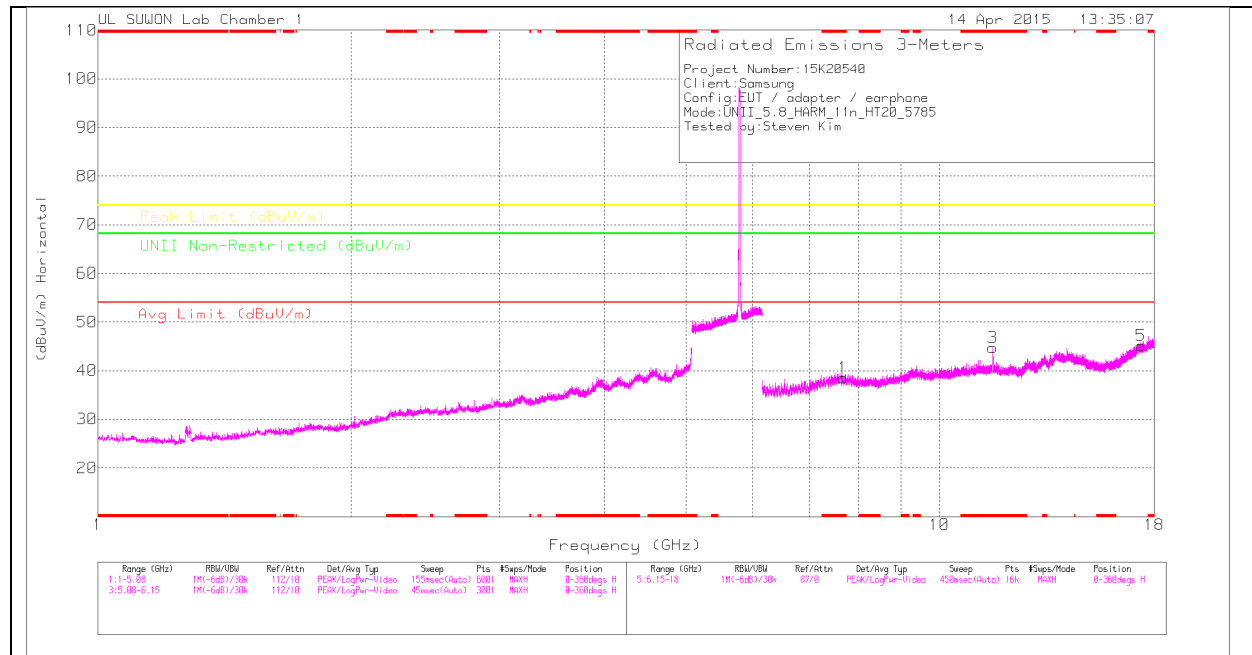
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.485	36.21	PK1	38.6	-20.7	0	54.11	-	-	74	-19.89	-	-	168	205	H
* 11.488	27.99	AD1	38.6	-20.7	.33	46.22	54	-7.78	-	-	-	-	168	205	H
* 11.48	39.52	PK1	38.6	-20.7	0	57.42	-	-	74	-16.58	-	-	354	143	V
* 11.49	27.44	AD1	38.6	-20.7	.33	45.67	54	-8.33	-	-	-	-	354	143	V

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

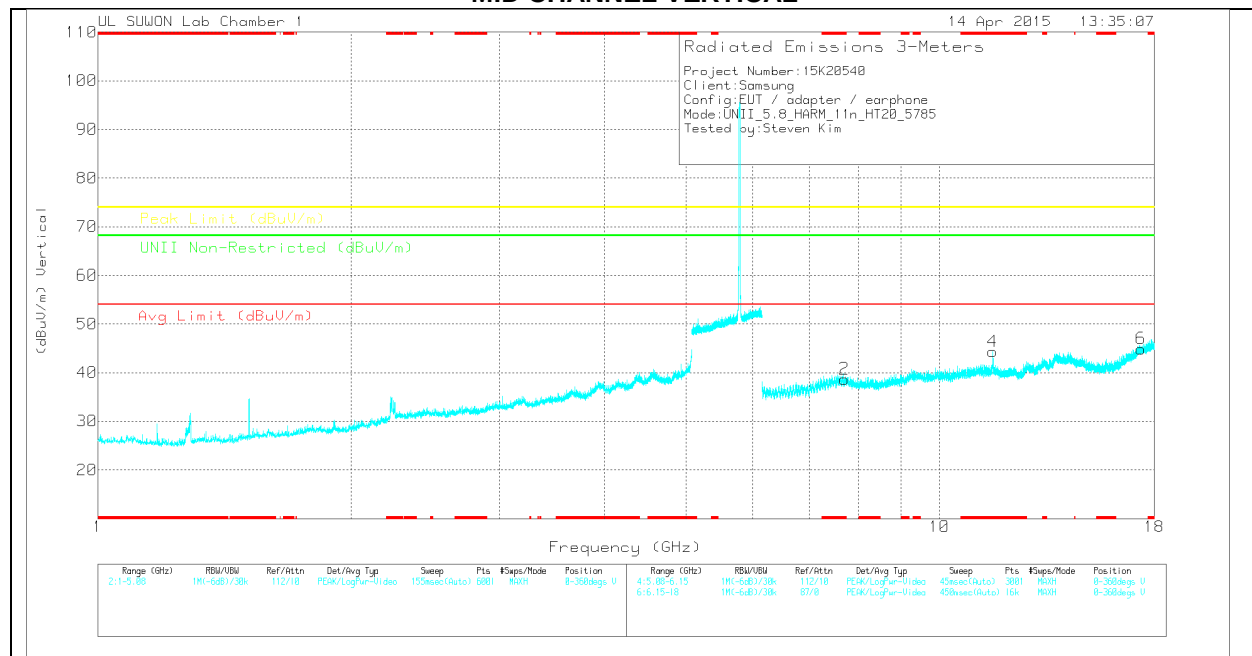
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	* 7.679	25.75	PK	37.3	-24.5	0	38.55	-	-	74	-35.45	-	-	0-360	200	H
3	* 11.57	26.63	PK	38.6	-20.5	0	44.73	-	-	74	-29.27	-	-	0-360	200	H
5	17.356	19.06	PK	41.7	-15.7	0	45.06	-	-	-	-	68.2	-23.14	0-360	200	H
2	* 7.71	25.91	PK	37.2	-24.4	0	38.71	-	-	74	-35.29	-	-	0-360	100	V
4	* 11.57	26.22	PK	38.6	-20.5	0	44.32	-	-	74	-29.68	-	-	0-360	200	V
6	17.354	18.92	PK	41.7	-15.7	0	44.92	-	-	-	-	68.2	-23.28	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

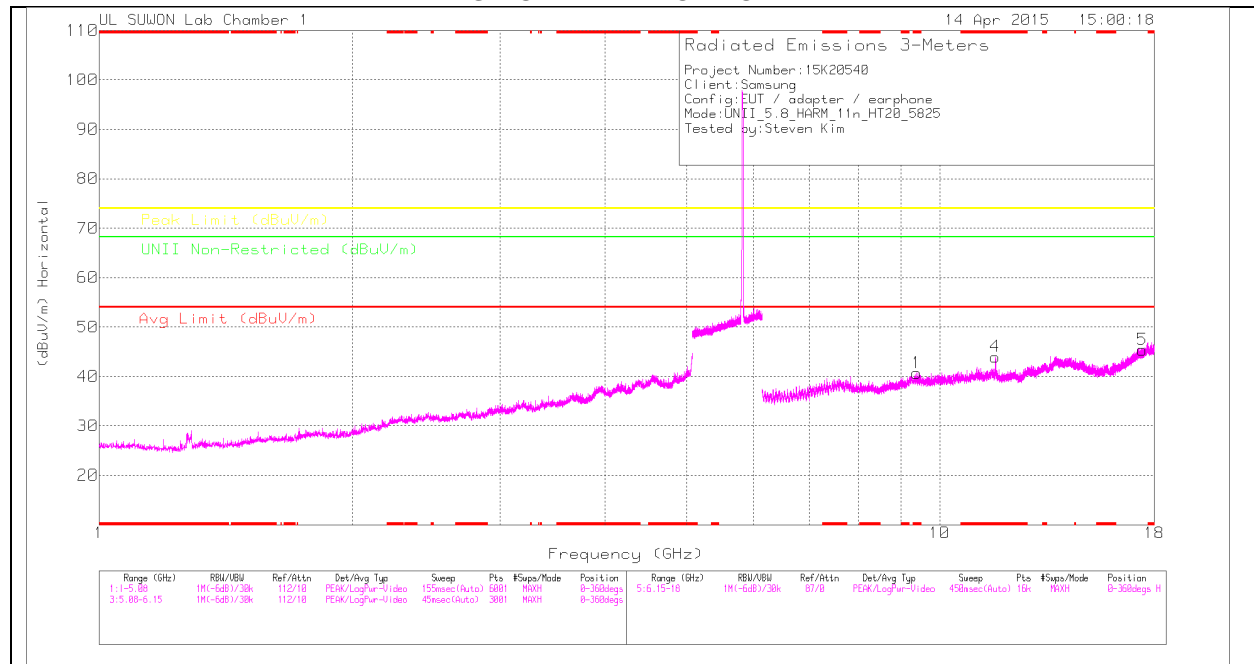
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.565	35.73	PK1	38.6	-20.6	0	53.73	-	-	74	-20.27	-	-	55	177	H
* 11.57	24.86	AD1	38.6	-20.5	.33	43.29	54	-10.71	-	-	-	-	55	177	H
* 11.575	33.08	PK1	38.6	-20.5	0	51.18	-	-	74	-22.82	-	-	351	332	V
* 11.57	24.41	AD1	38.6	-20.5	.33	42.84	54	-11.16	-	-	-	-	351	332	V

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

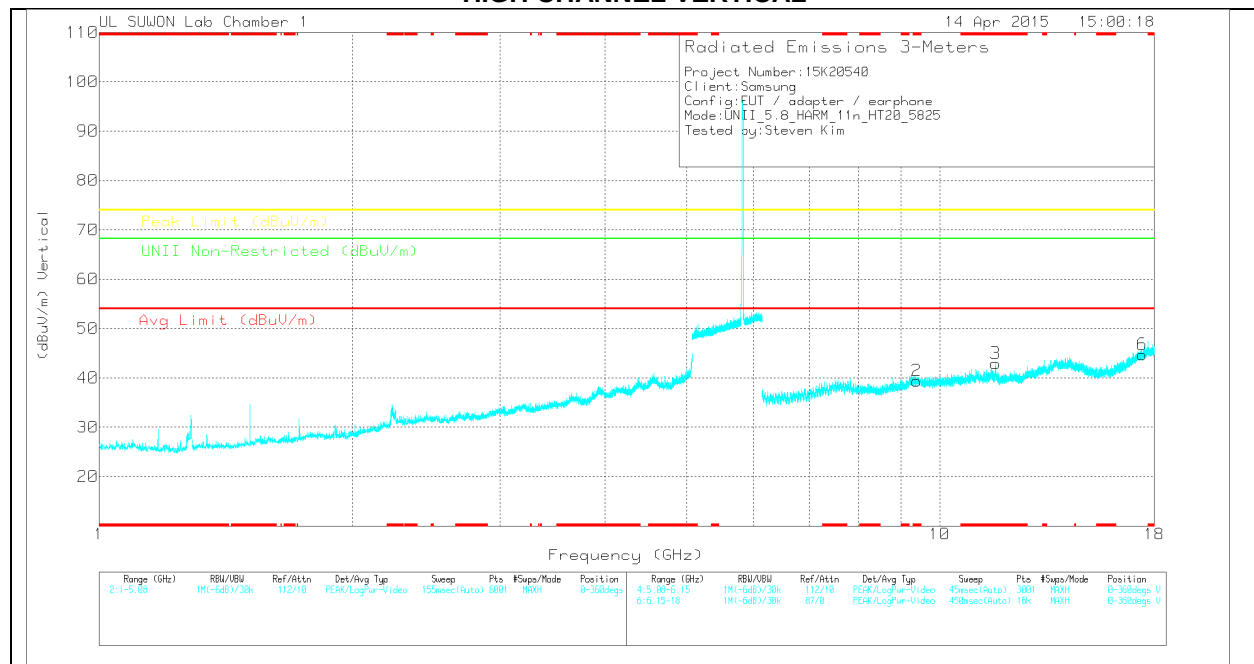
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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	3115D Factor	Path_5_6G HP	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	* 9.394	25.4	PK	37.7	-22.4	0	40.7	-	-	74	-33.3	-	-	0-360	100	H
4	* 11.647	26.09	PK	38.5	-20.6	0	43.99	-	-	74	-30.01	-	-	0-360	200	H
5	17.419	19.2	PK	41.8	-15.6	0	45.4	-	-	-	-	68.2	-22.8	0-360	100	H
2	* 9.389	24.11	PK	37.7	-22.4	0	39.41	-	-	74	-34.59	-	-	0-360	100	V
3	* 11.653	25.02	PK	38.5	-20.6	0	42.92	-	-	74	-31.08	-	-	0-360	200	V
6	17.418	18.53	PK	41.8	-15.6	0	44.73	-	-	-	-	68.2	-23.47	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

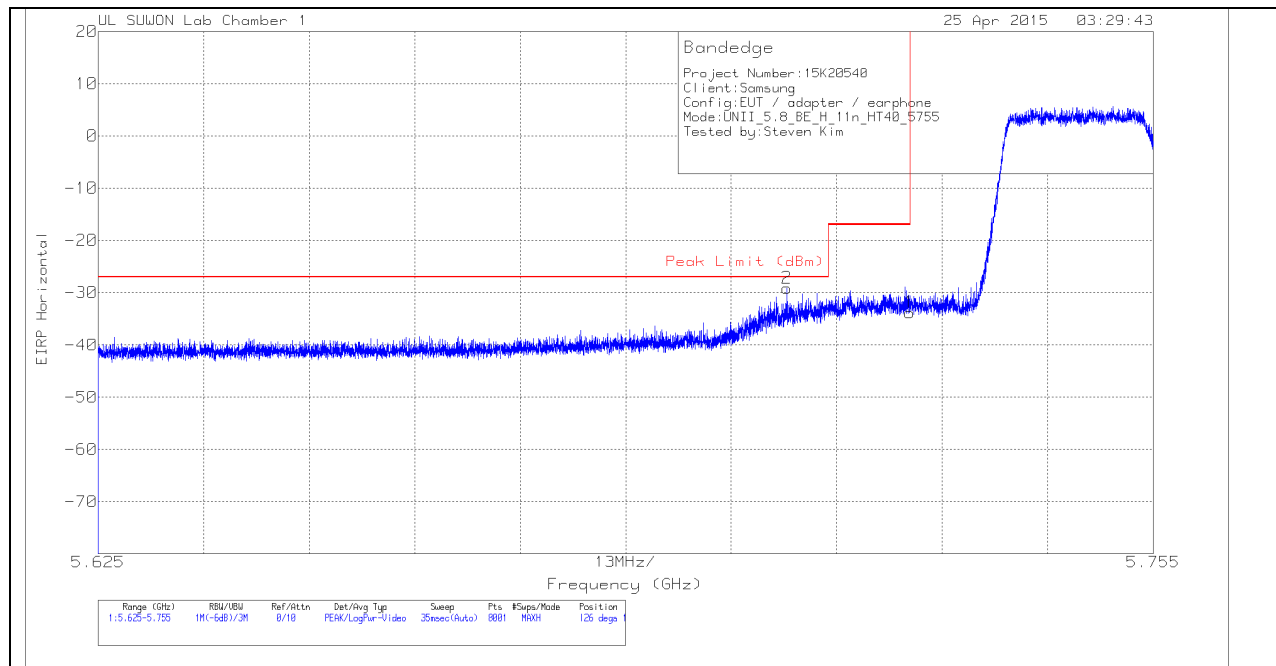
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.65	34.26	PK1	38.5	-20.6	0	52.16	-	-	74	-21.84	-	-	171	400	H
* 11.65	22.69	AD1	38.5	-20.6	.33	40.92	54	-13.08	-	-	-	-	171	400	H

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

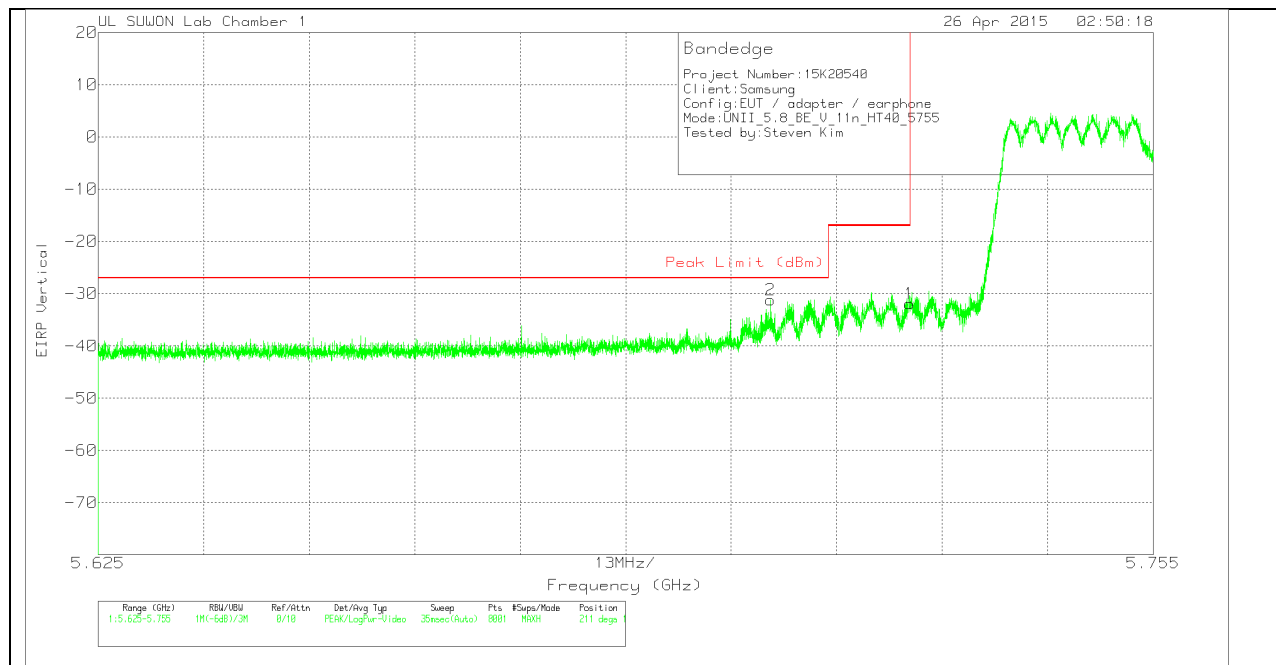
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-61.09	Pk	34.3	-18.8	11.8	0	-33.79	-17	-16.79	126	145	H
2	5.71	-56.4	Pk	34.3	-18.8	11.8	0	-29.1	-27	-2.1	126	145	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	5.725	-59.23	Pk	34.3	-18.8	11.8	0	-31.93	-17	-14.93	211	100	V
2	5.708	-58.39	Pk	34.3	-18.9	11.8	0	-31.19	-27	-4.19	211	100	V

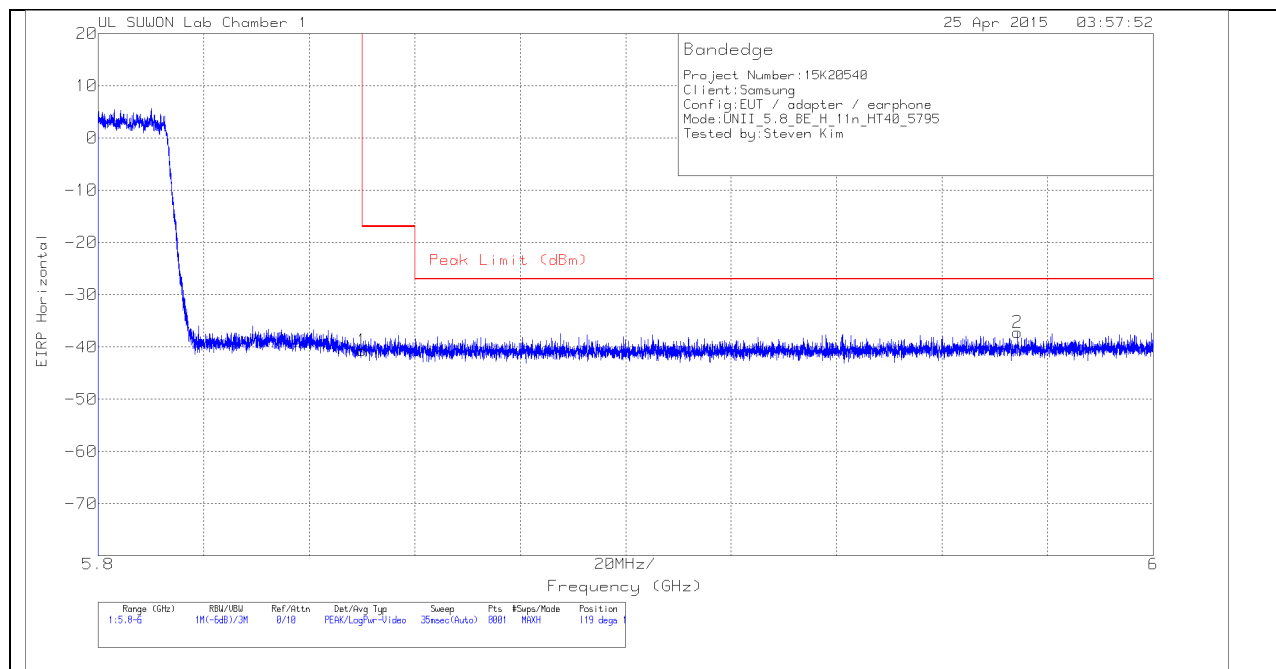
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

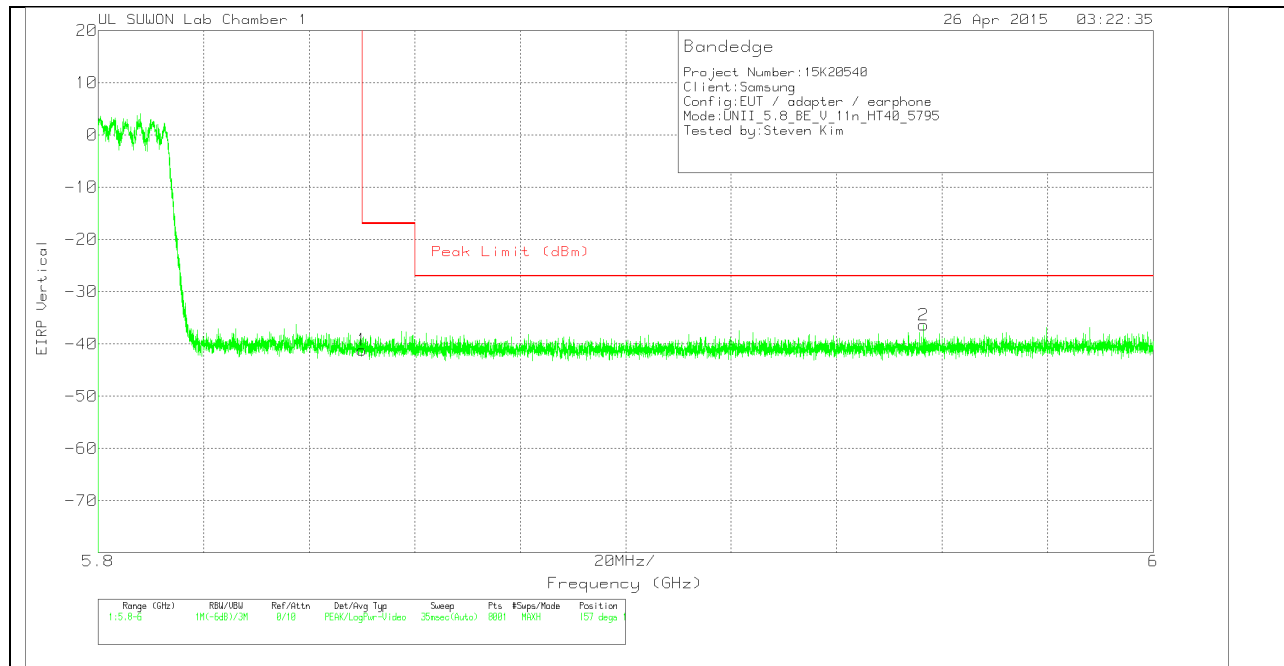
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.25	Pk	34.7	-18.9	11.8	0	-40.65	-17	-23.65	119	192	H
2	5.974	-65.49	Pk	35.1	-18.6	11.8	0	-37.19	-27	-10.19	119	192	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK PLOT



VERTICAL DATA

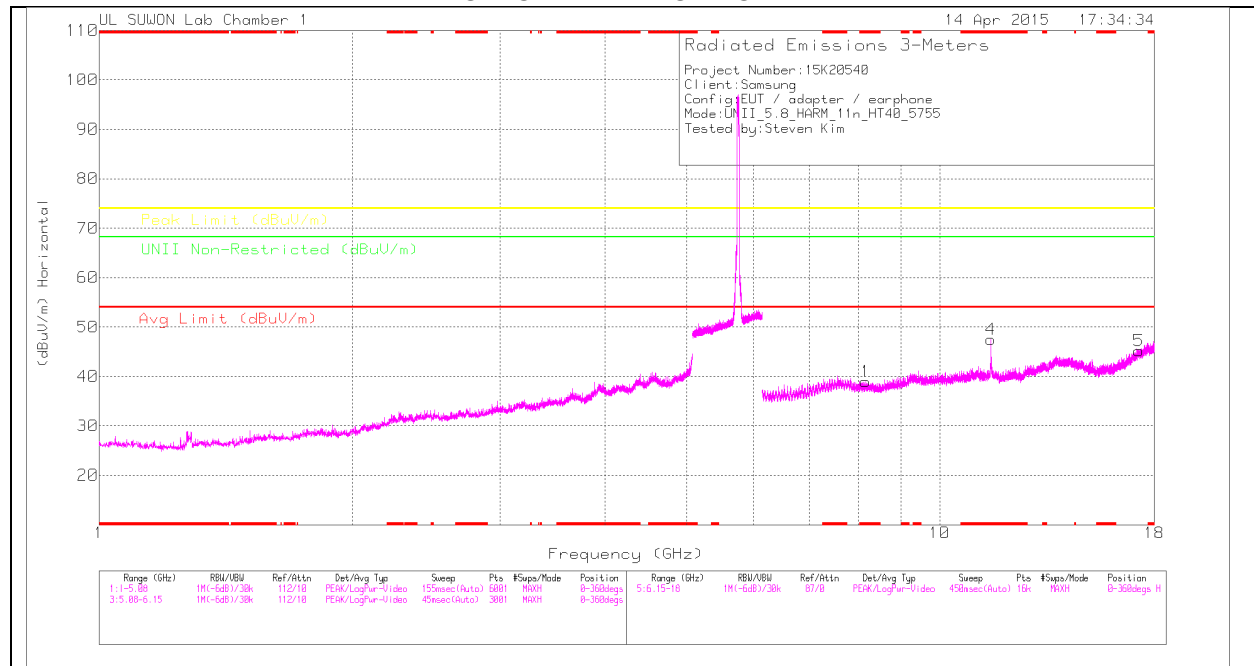
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.77	Pk	34.7	-18.9	11.8	0	-41.17	-17	-24.17	157	107	V
2	5.956	-64.6	Pk	35.1	-18.7	11.8	0	-36.4	-27	-9.4	157	107	V

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

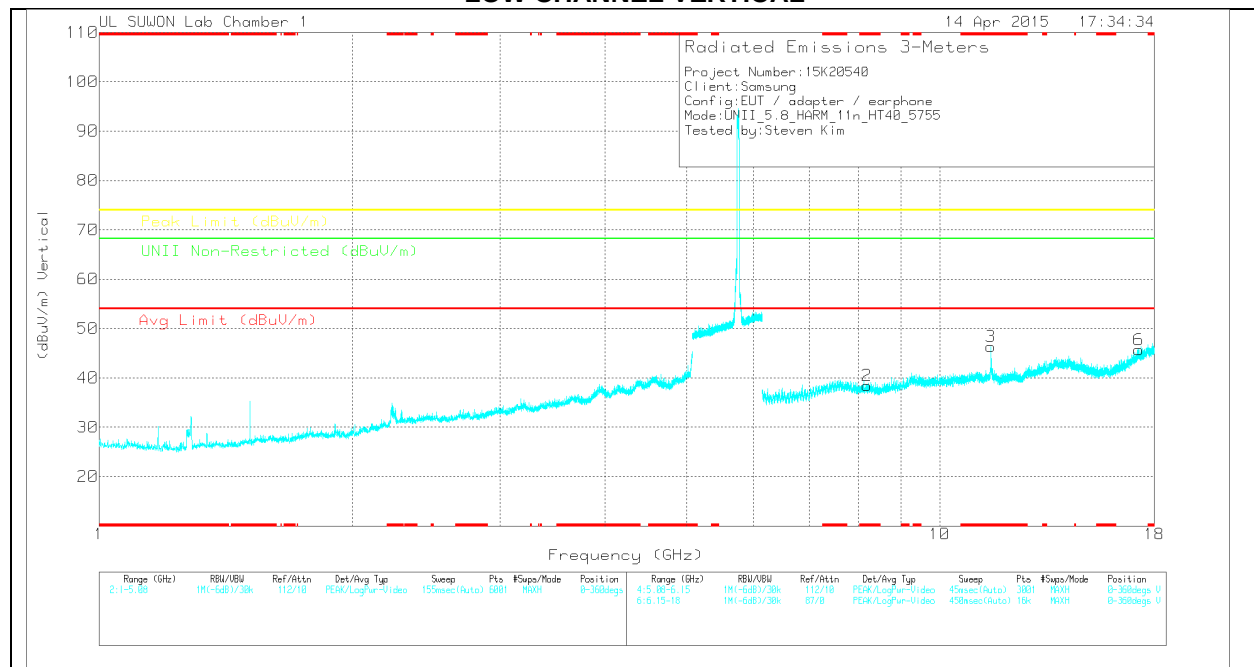
PK - Peak detector

RMS - RMS detection

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	3115D Factor	Path_5_6G HP	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	* 8.161	25.35	PK	37	-23.4	0	38.95	-	-	74	-35.05	-	-	0-360	200	H
4	* 11.511	29.58	PK	38.6	-20.7	0	47.48	-	-	74	-26.52	-	-	0-360	200	H
5	17.256	19.29	PK	41.5	-15.6	0	45.19	-	-	-	-	68.2	-23.01	0-360	200	H
2	* 8.194	25.25	PK	37	-23.8	0	38.45	-	-	74	-35.55	-	-	0-360	200	V
3	* 11.511	28.44	PK	38.6	-20.7	0	46.34	-	-	74	-27.66	-	-	0-360	200	V
6	17.255	19.68	PK	41.5	-15.5	0	45.68	-	-	-	-	68.2	-22.52	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

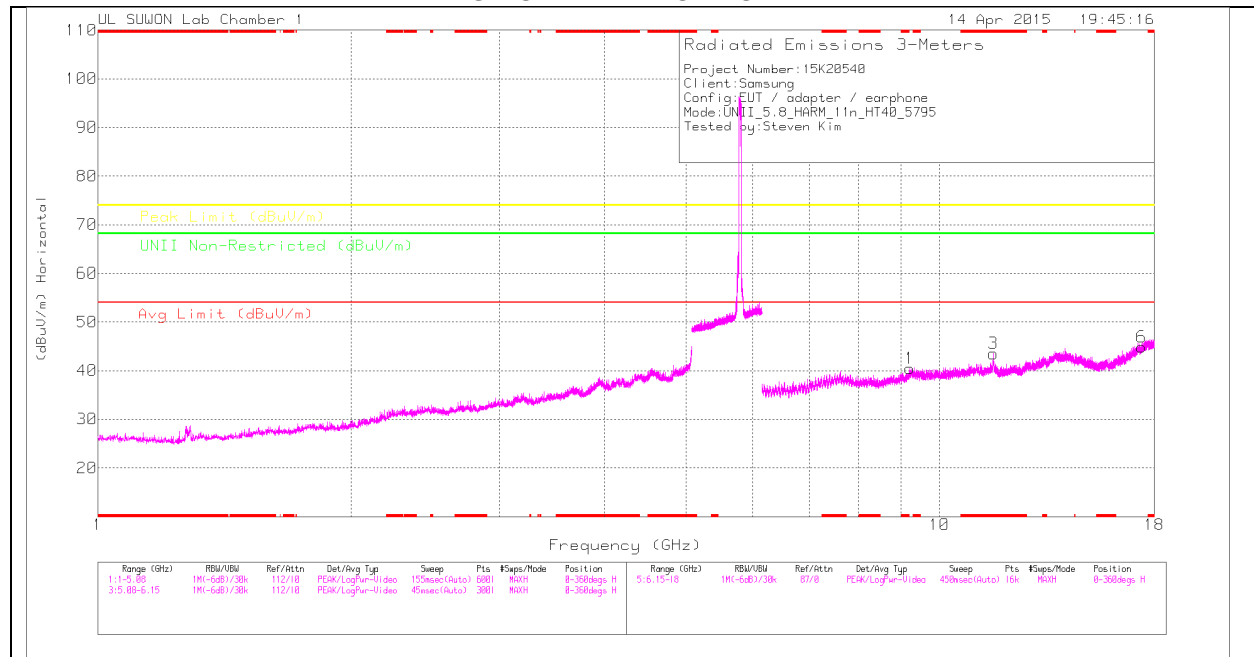
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.501	34.48	PK1	38.6	-20.7	0	52.38	-	-	74	-21.62	-	-	67	121	H
* 11.51	22.58	AD1	38.6	-20.7	.62	41.1	54	-12.9	-	-	-	-	67	121	H

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

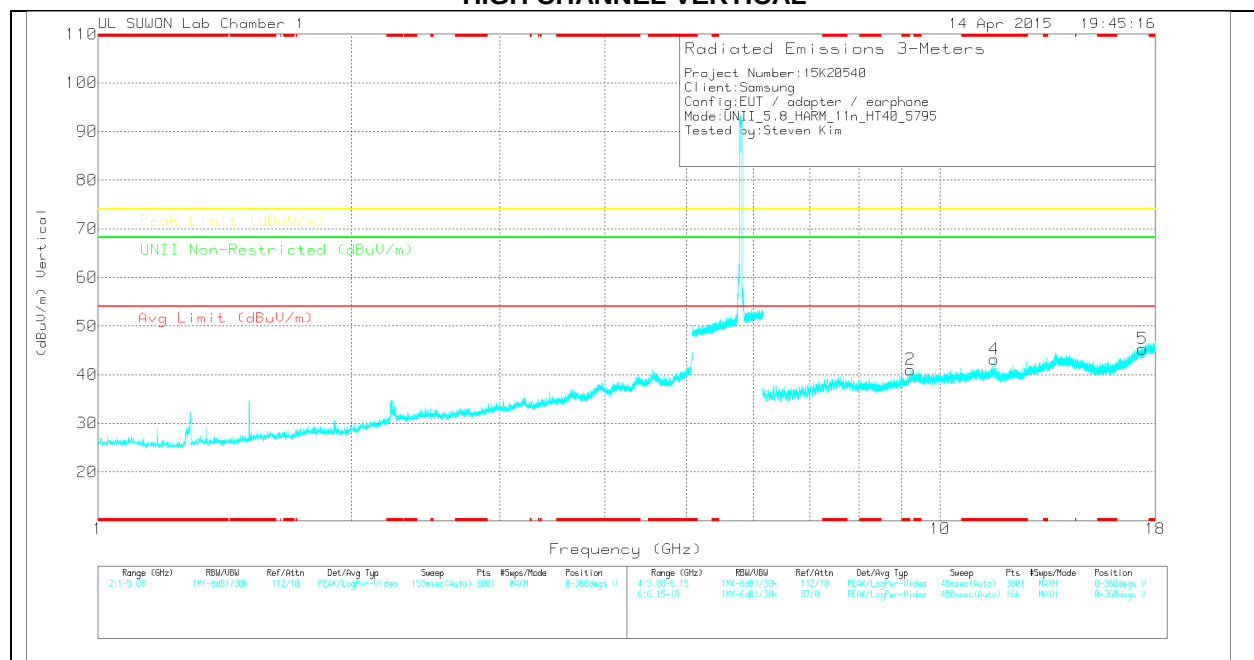
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power 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

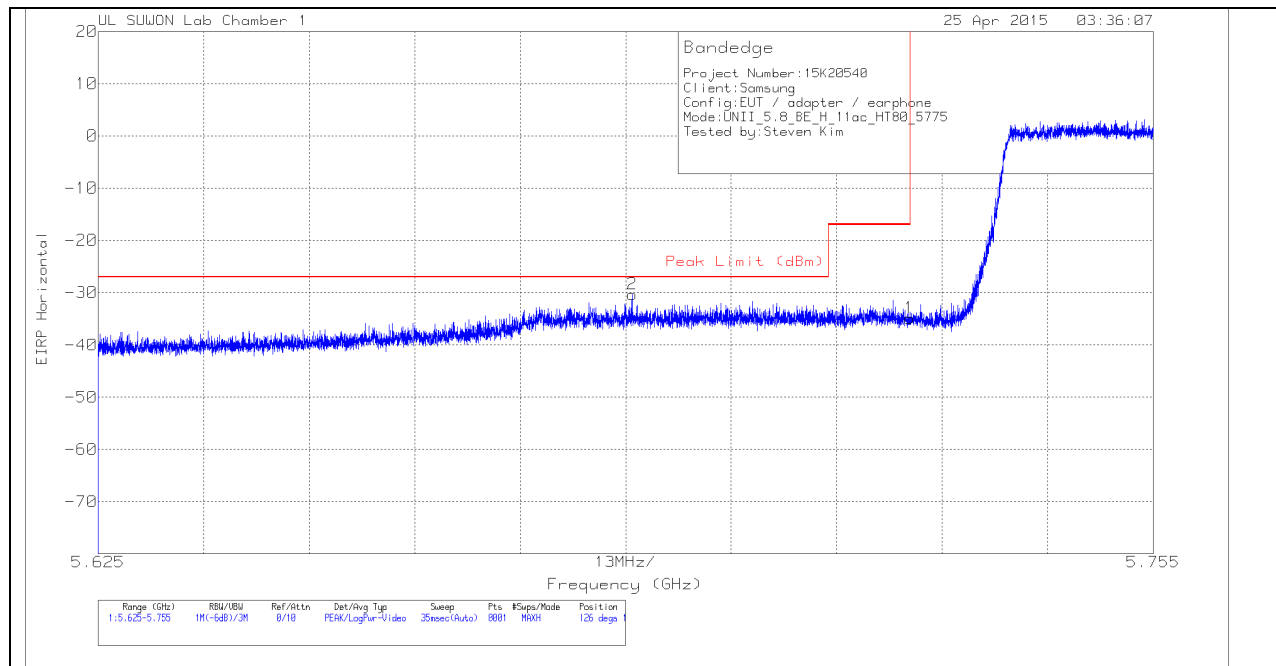
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6G HP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	9.212	24.52	PK	37.7	-21.8	0	40.42	-	-	-	-	68.2	-27.78	0-360	100	H
3	* 11.59	25.4	PK	38.6	-20.5	0	43.5	-	-	74	-30.5	-	-	0-360	200	H
6	17.388	18.59	PK	41.8	-15.5	0	44.89	-	-	-	-	68.2	-23.31	0-360	100	H
2	9.213	25.14	PK	37.7	-21.8	0	41.04	-	-	-	-	68.2	-27.16	0-360	100	V
4	* 11.591	25.09	PK	38.6	-20.5	0	43.19	-	-	74	-30.81	-	-	0-360	200	V
5	17.393	19.01	PK	41.8	-15.5	0	45.31	-	-	-	-	68.2	-22.89	0-360	100	V

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

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

11.4.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.8 GHz BAND **HARMONICS AND SPURIOUS EMISSIONS** **HORIZONTAL PEAK PLOT**



HORIZONTAL DATA

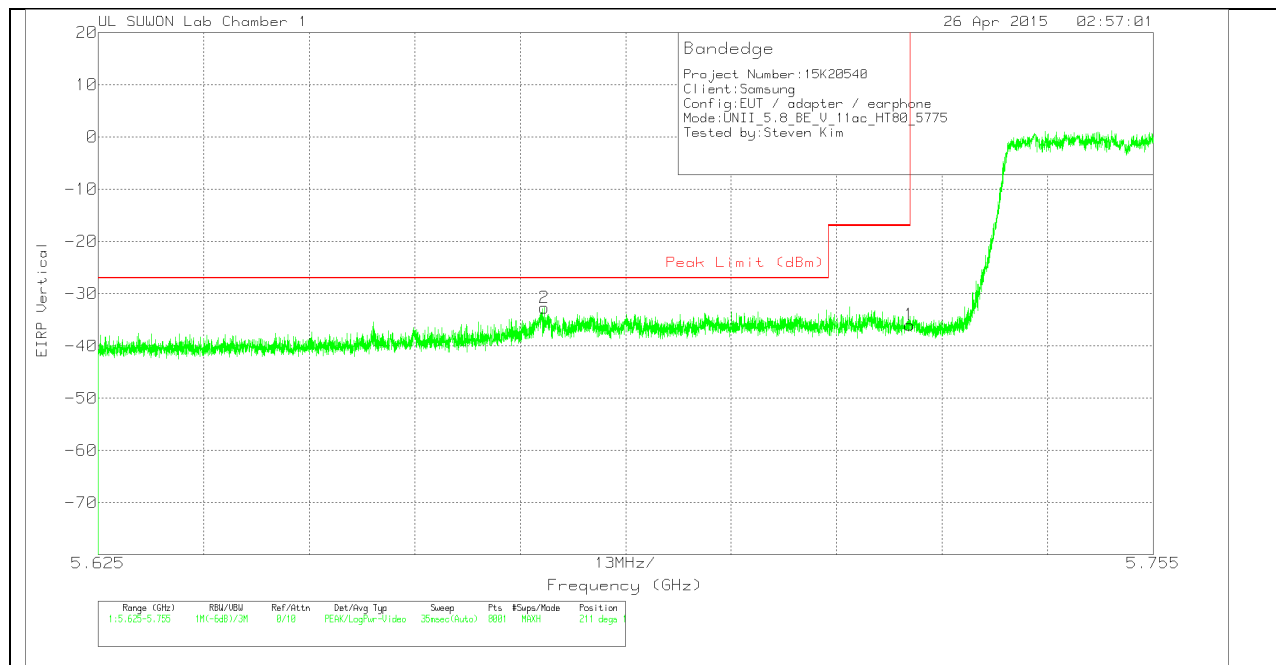
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-62.17	Pk	34.3	-18.8	11.8	0	-34.87	-17	-17.87	126	145	H
2	5.691	-57.5	Pk	34.3	-18.9	11.8	0	-30.3	-27	-3.3	126	145	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK PLOT



VERTICAL DATA

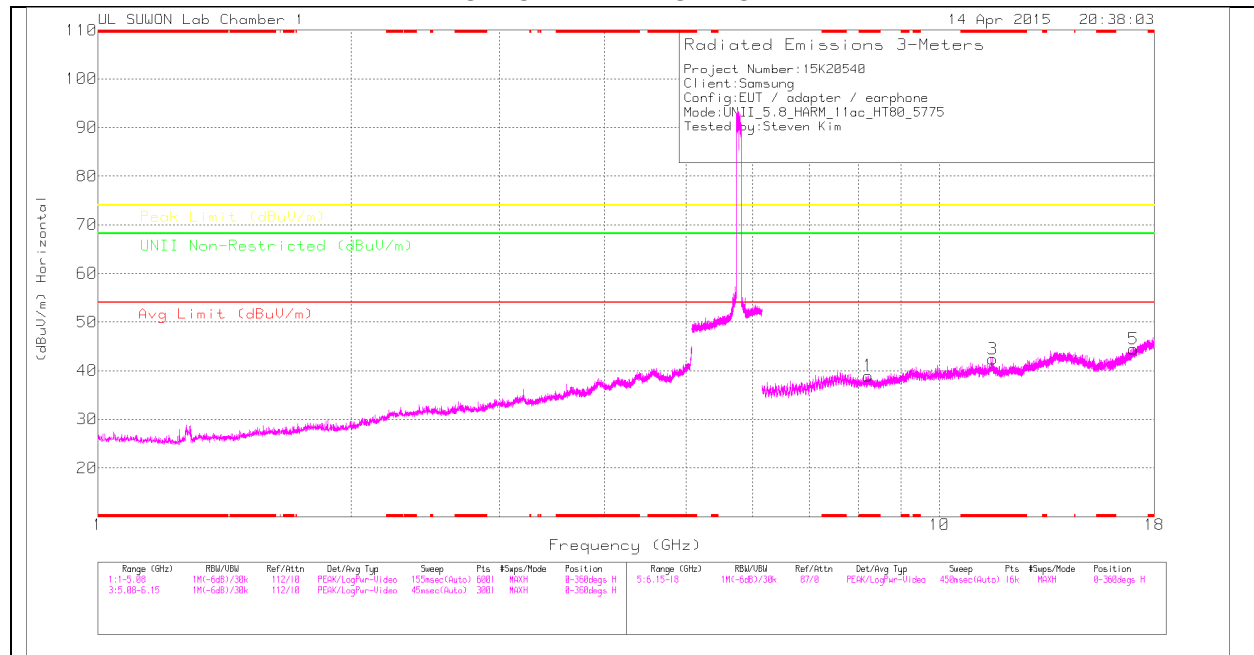
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3115D Factor	Path_2_10 dB	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-63.29	Pk	34.3	-18.8	11.8	0	-35.99	-17	-18.99	211	100	V
2	5.68	-59.78	Pk	34.2	-18.9	11.8	0	-32.68	-27	-5.68	211	100	V

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

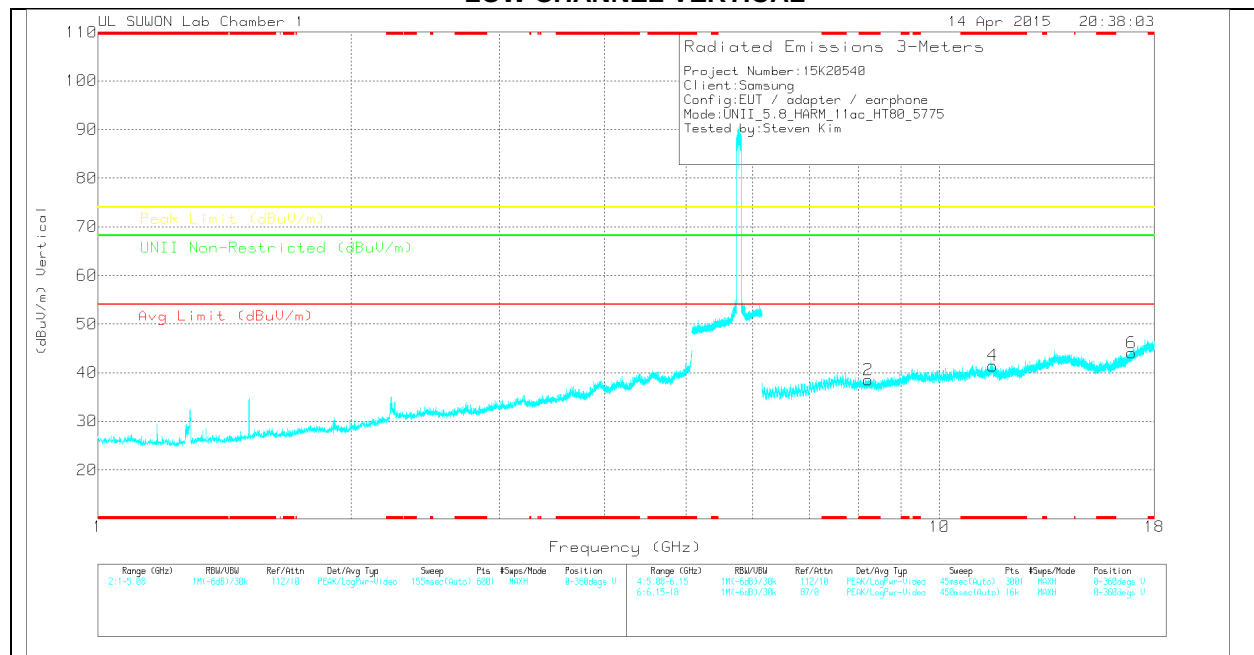
PK - Peak detector

RMS - RMS detection

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

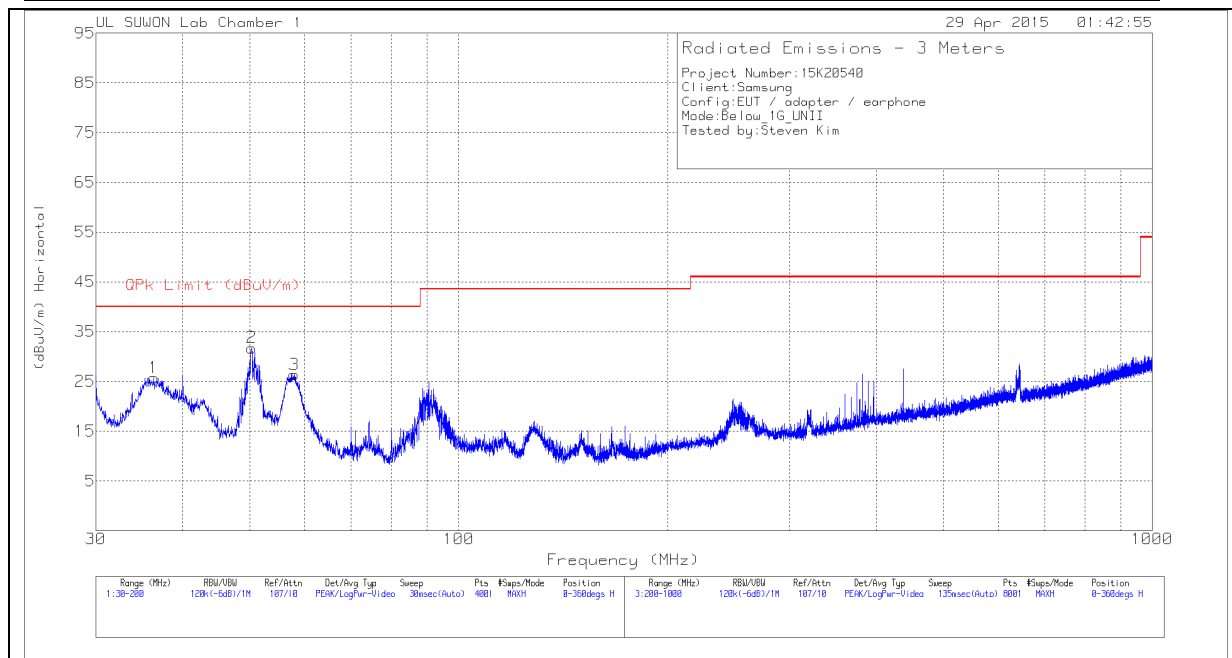
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6G HP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8.229	25.77	PK	37	-23.8	0	38.97	-	-	74	-35.03	-	-	0-360	100	H
3	* 11.561	24.45	PK	38.6	-20.6	0	42.45	-	-	74	-31.55	-	-	0-360	200	H
5	16.999	19.87	PK	40.7	-16.1	0	44.47	-	-	-	-	68.2	-23.73	0-360	200	H
2	* 8.227	25.34	PK	37	-23.8	0	38.54	-	-	74	-35.46	-	-	0-360	200	V
4	* 11.566	23.43	PK	38.6	-20.6	0	41.43	-	-	74	-32.57	-	-	0-360	100	V
6	16.917	20.24	PK	40.5	-16.7	0	44.04	-	-	-	-	68.2	-24.16	0-360	100	V

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

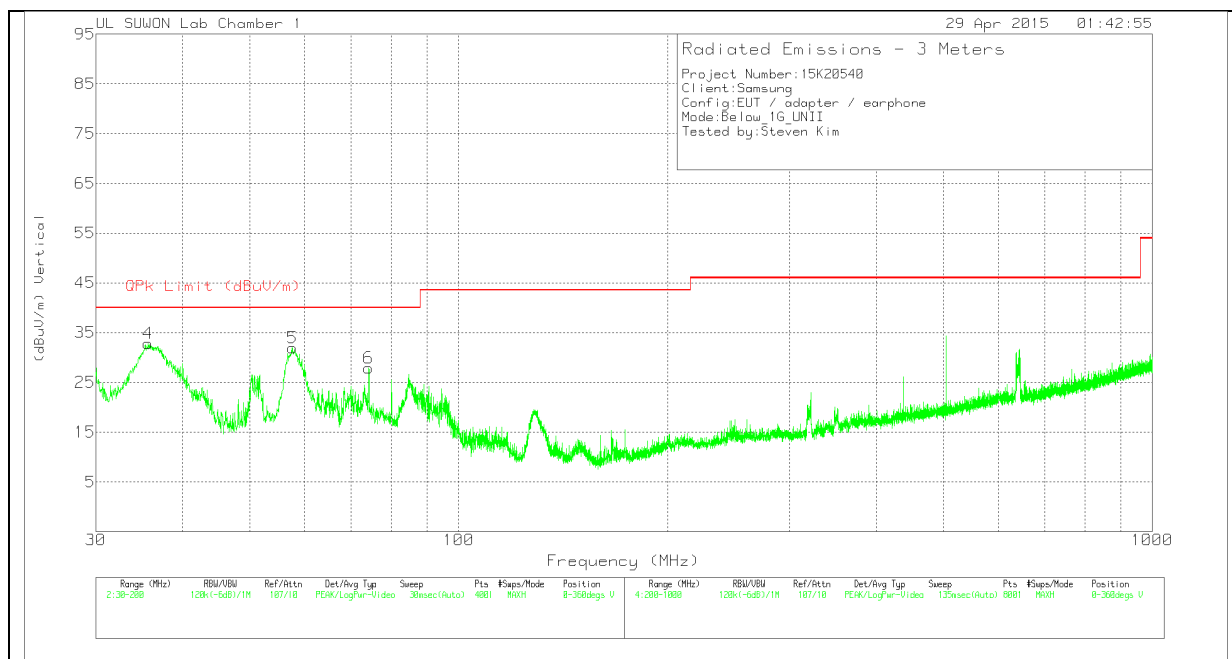
PK – Peak Detector

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)



Below 1G Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-750	Bi-Log	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	36.375	45.09	Pk	11	-30.4	25.69	40	-14.31	0-360	300	H
2	50.2725	48.05	Pk	13.8	-30.1	31.75	40	-8.25	0-360	400	H
3	57.9225	43.53	Pk	12.9	-30	26.43	40	-13.57	0-360	400	H
4	35.695	52.46	Pk	10.8	-30.4	32.86	40	-7.14	0-360	100	V
5	57.5825	49.04	Pk	12.9	-30	31.94	40	-8.06	0-360	100	V
6	74.2	49.15	Pk	8.5	-29.7	27.95	40	-12.05	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 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 C63.4.

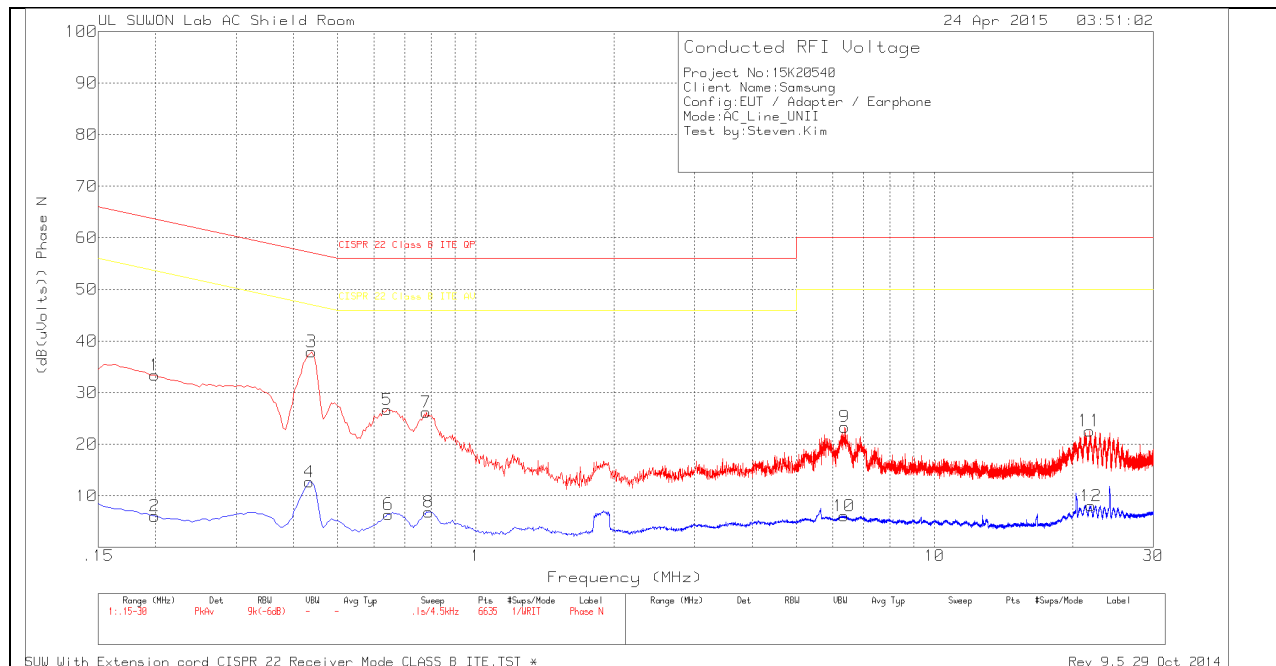
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

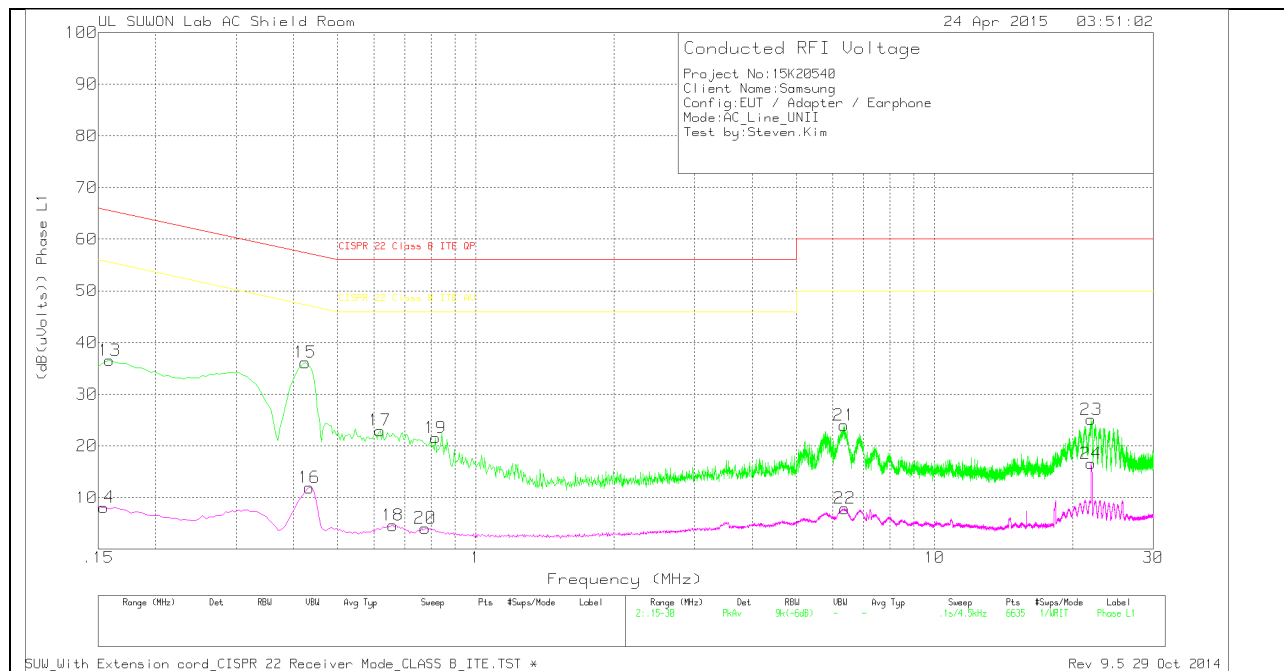
Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN HPF ON and Extension cord	CE Shield Room	Corrected Reading (dBuV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.1995	23.48	Pk	9.9	0	33.38	63.63	-30.25	-	-
2	.1995	-3.81	Av	9.9	0	6.09	-	-	53.63	-47.54
3	.438	27.83	Pk	10.1	0	37.93	57.1	-19.17	-	-
4	.4335	2.58	Av	10.1	0	12.68	-	-	47.19	-34.51
5	.6405	16.67	Pk	10	0	26.67	56	-29.33	-	-
6	.645	-3.58	Av	10	0	6.42	-	-	46	-39.58
7	.78	16.19	Pk	10	0	26.19	56	-29.81	-	-
8	.789	-3.06	Av	9.9	0	6.84	-	-	46	-39.16
9	6.3645	13.36	Pk	9.9	.1	23.36	60	-36.64	-	-
10	6.351	-3.86	Av	9.9	.1	6.14	-	-	50	-43.86
11	21.777	11.7	Pk	10.7	.2	22.6	60	-37.4	-	-
12	21.9345	-2.81	Av	10.7	.2	8.09	-	-	50	-41.91

Pk - Peak detector

Av - Average detection

LINE 2 PLOT



LINE 2 RESULTS

Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith extension cord_L1	CE Shield Room	Corrected Reading (dB(uV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.159	26.53	Pk	10	0	36.53	65.52	-28.99	-	-
14	.1545	-1.8	Av	9.9	0	8.1	-	-	55.75	-47.65
15	.4245	26.04	Pk	10.1	0	36.14	57.36	-21.22	-	-
16	.4335	1.83	Av	10.1	0	11.93	-	-	47.19	-35.26
17	.618	12.89	Pk	10.1	0	22.99	56	-33.01	-	-
18	.6585	-5.48	Av	10.1	0	4.62	-	-	46	-41.38
19	.816	11.58	Pk	10	0	21.58	56	-34.42	-	-
20	.7755	-5.9	Av	10	0	4.1	-	-	46	-41.9
21	6.351	14.07	Pk	9.8	.1	23.97	60	-36.03	-	-
22	6.369	-2	Av	9.8	.1	7.9	-	-	50	-42.1
23	21.9705	14.52	Pk	10.4	.2	25.12	60	-34.88	-	-
24	21.9525	5.99	Av	10.4	.2	16.59	-	-	50	-33.41

Pk - Peak detector

Av - Average detection

14. DYNAMIC FREQUENCY SELECTION

14.1. OVERVIEW

14.1.1. LIMITS

INDUSTRY CANADA

IC RSS-210 is closely harmonized with FCC Part 15 DFS rules. The deviations are as follows:

RSS-210 Issue 8 A9.3

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”.

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. $\geq$ 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
<i>Non-occupancy period</i>	30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds (See Note 1)
<i>Channel Closing Transmission Time</i>	200 milliseconds + approx. 60 milliseconds over remaining 10 second period. (See Notes 1 and 2)
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U- NII 99% transmission power bandwidth. (See Note 3)
Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> 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 <i>U-NII Detection Bandwidth</i> 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: $\{(1/360) \times (19 \times 10^6 \text{ PRI}_{\text{usec}})\}$	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 <i>Detection Bandwidth</i> test, <i>Channel Move Time</i> , and <i>Channel Closing Time</i> tests.					

Table 6 – Long Pulse Radar Test Signal

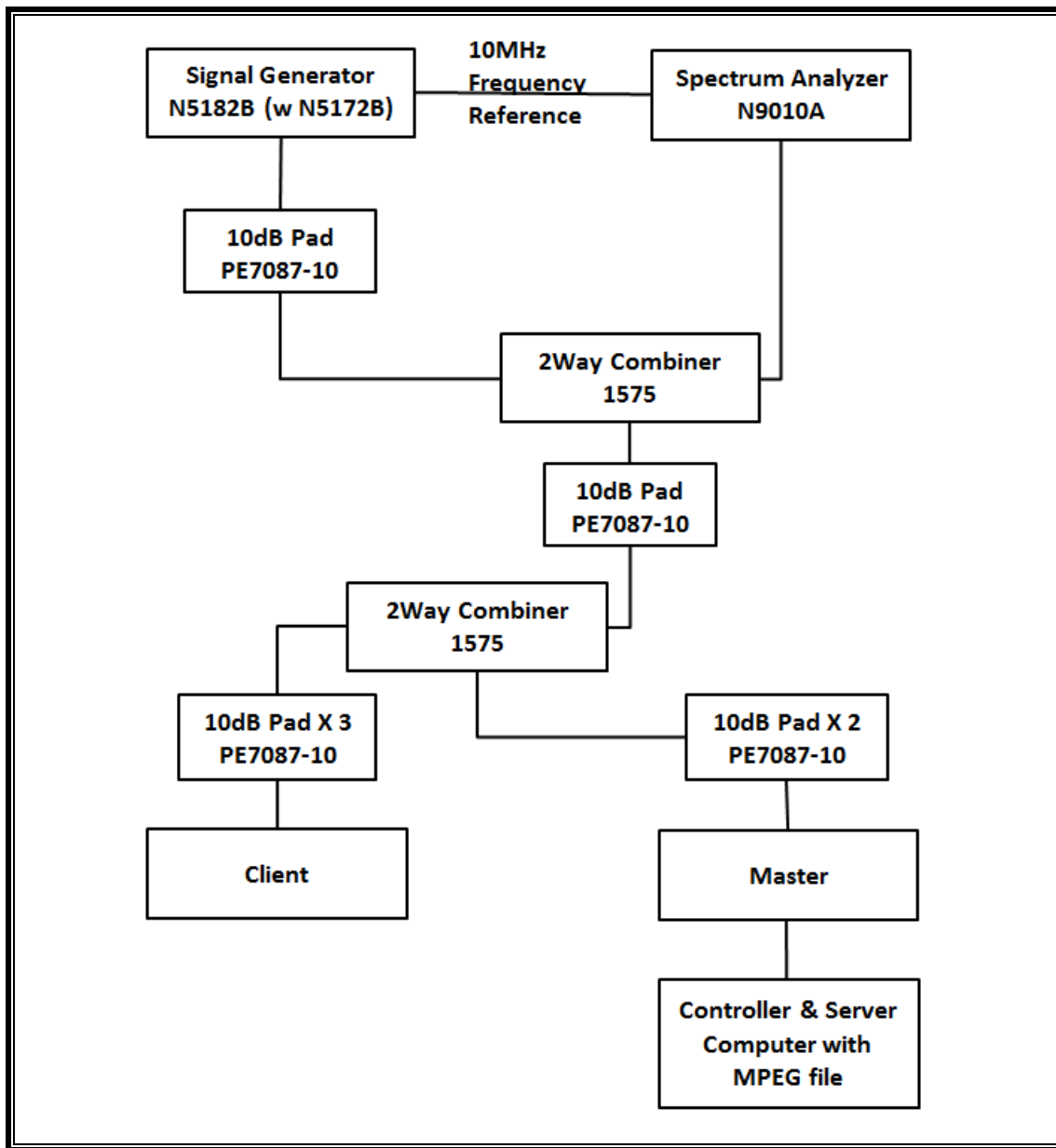
Radar Waveform Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

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.

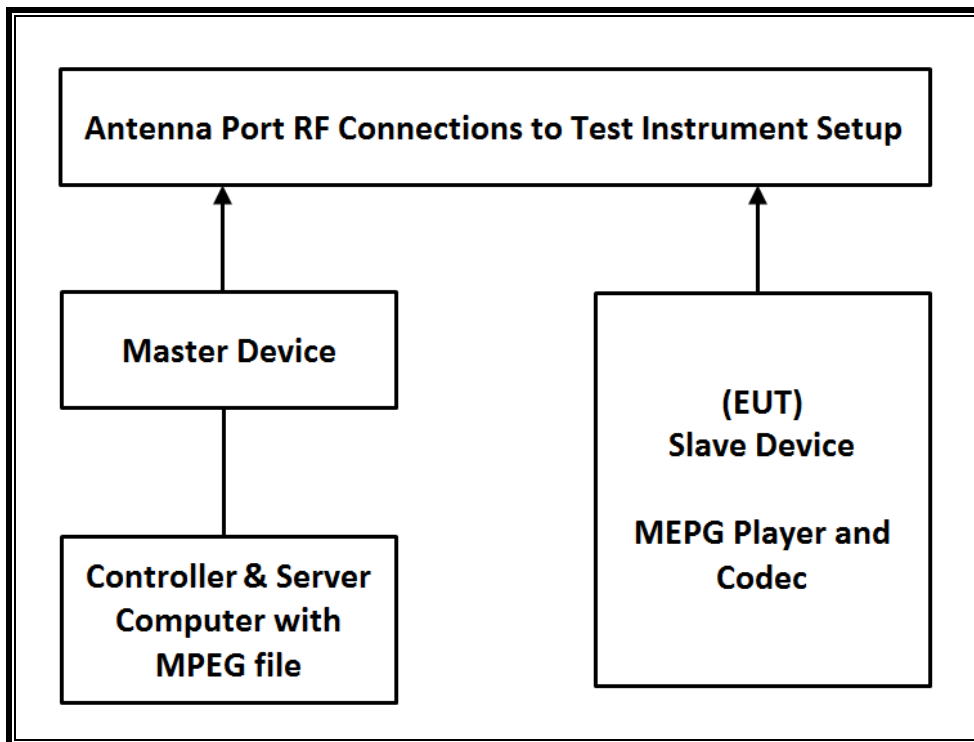
TEST AND MEASUREMENT EQUIPMENT

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

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.

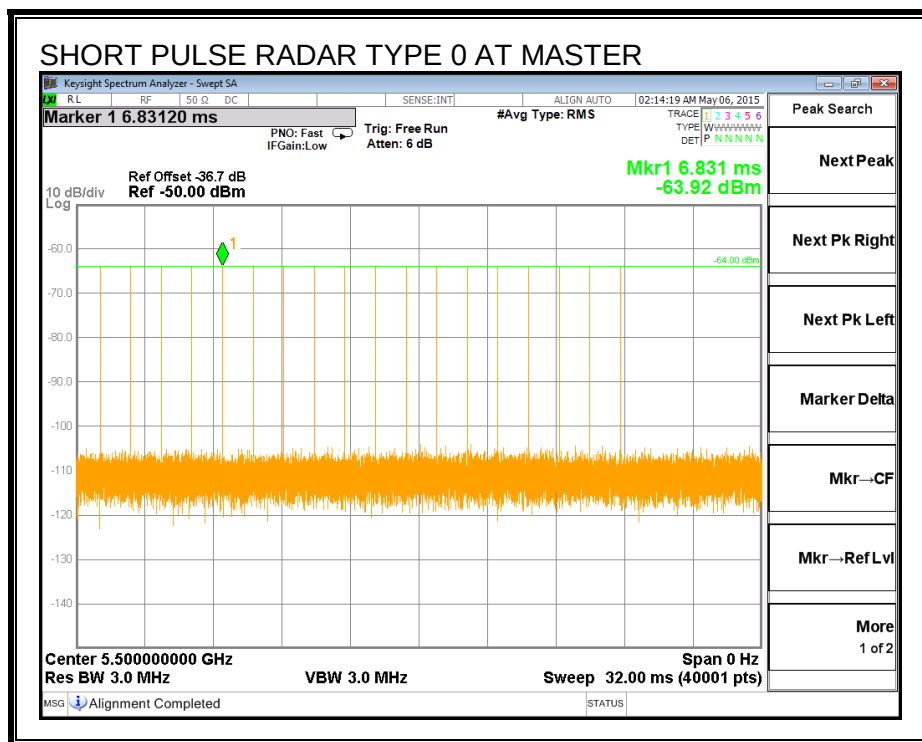
14.2. RESULTS FOR 20 MHz BANDWIDTH

14.2.1. TEST CHANNEL

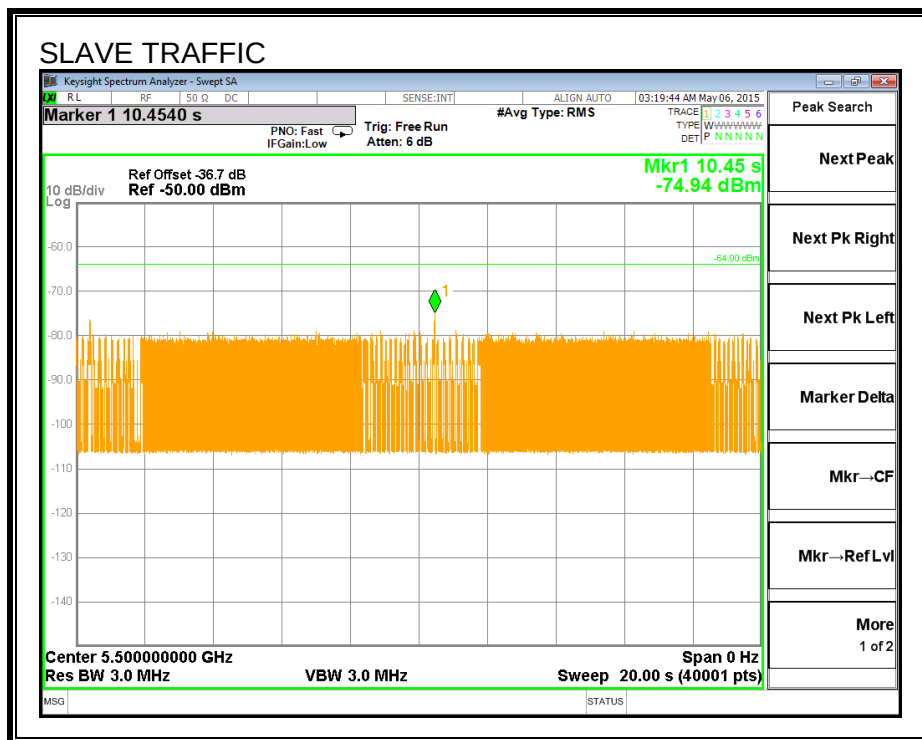
All tests were performed at a channel center frequency of 5500 MHz.

14.2.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



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

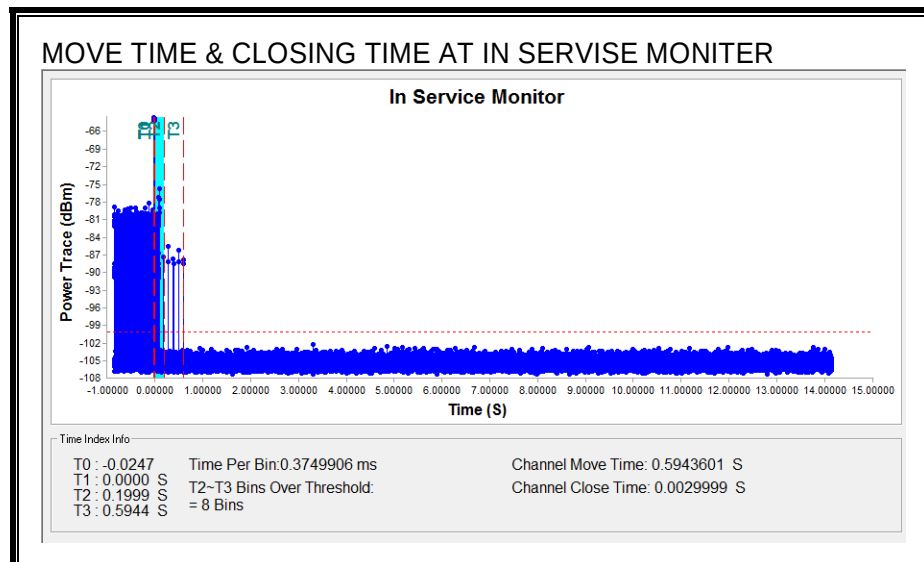
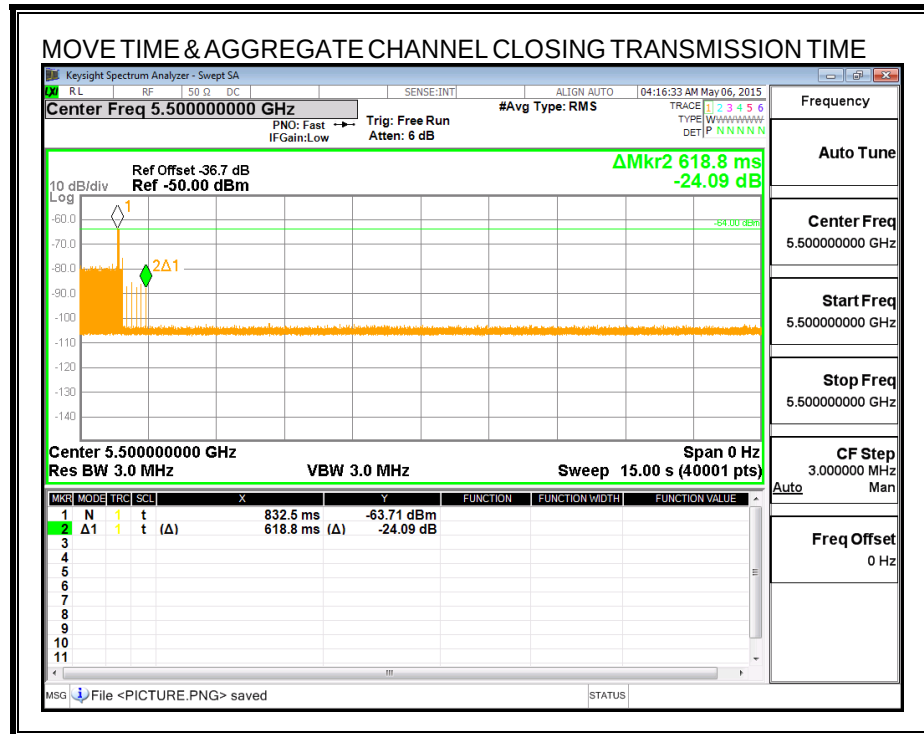
Channel Move Time (sec)	Limit (sec)
0.594	10

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

MOVE TIME & CHANNEL CLOSING TIME

AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

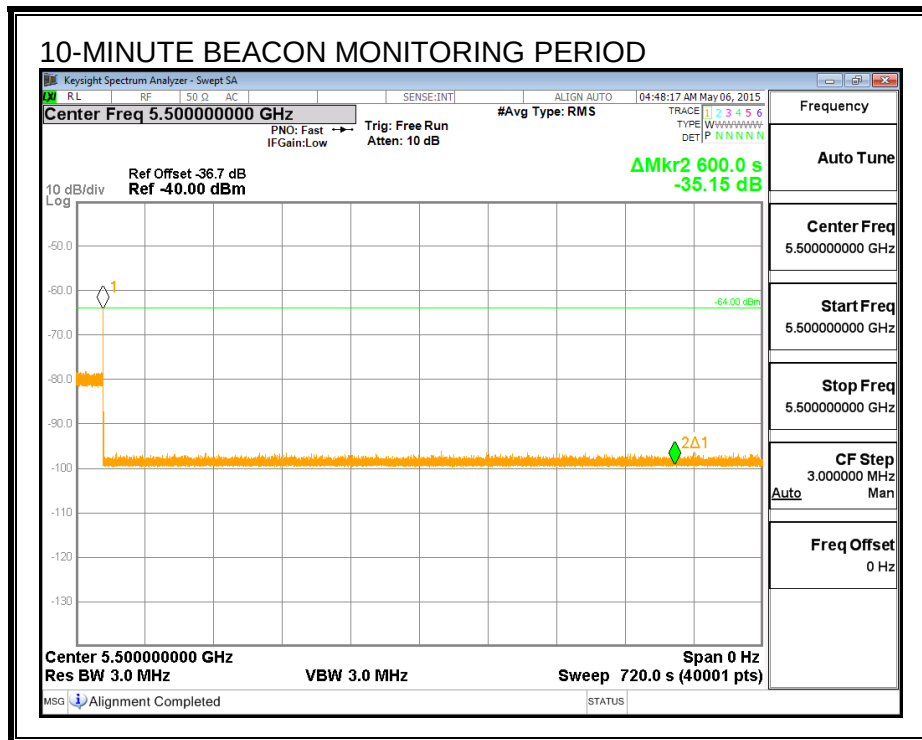
No transmissions are observed during the aggregate monitoring period.



NON-OCCUPANCY PERIOD

RESULTS

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



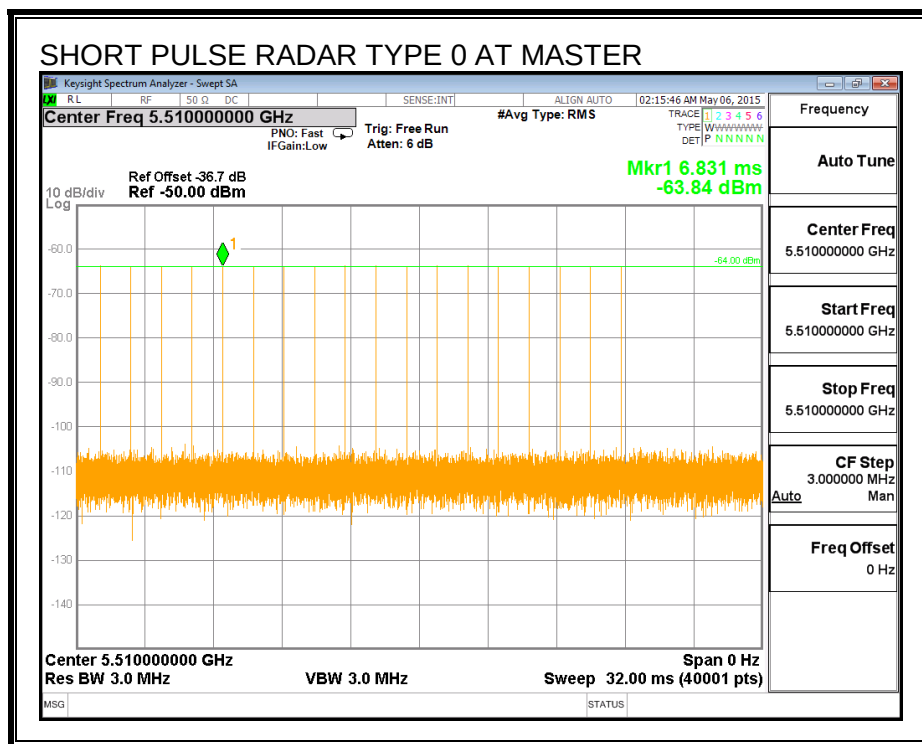
14.3. RESULTS FOR 40 MHz BANDWIDTH

14.3.1. TEST CHANNEL

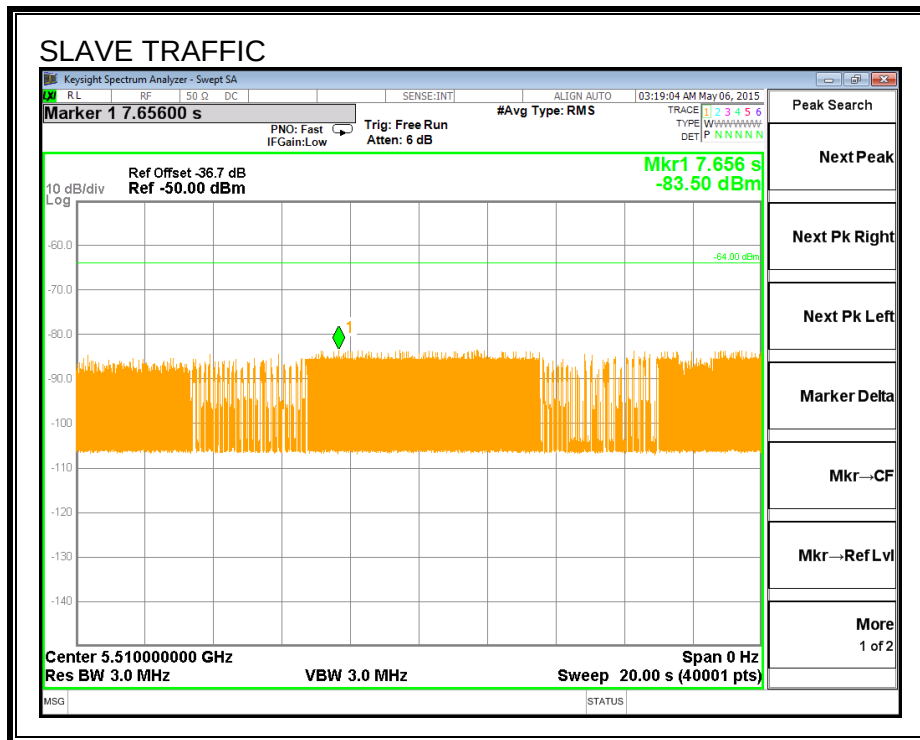
All tests were performed at a channel center frequency of 5510 MHz.

14.3.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



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

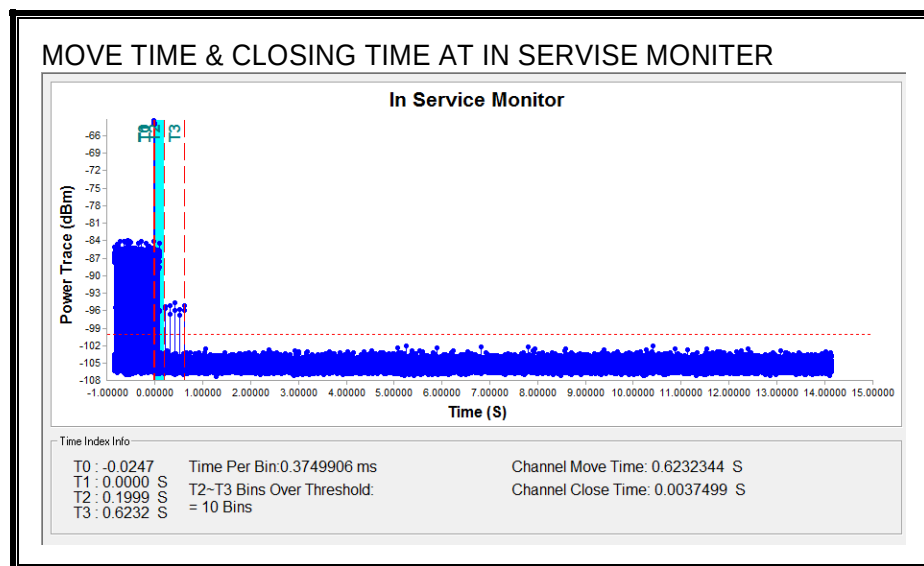
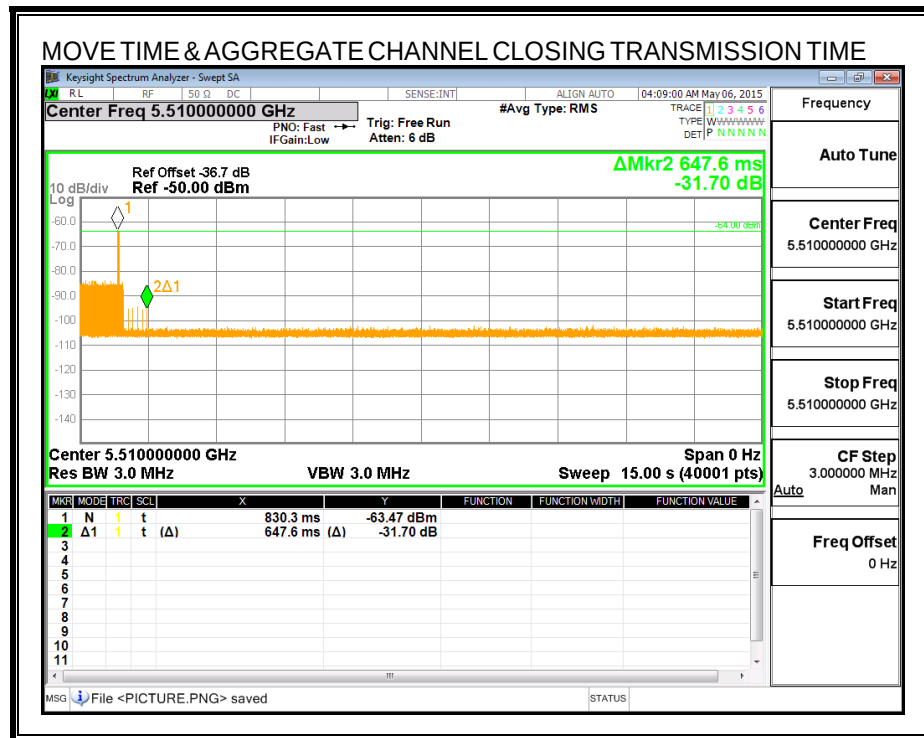
Channel Move Time (sec)	Limit (sec)
0.623	10

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

MOVE TIME & CHANNEL CLOSING TIME

AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

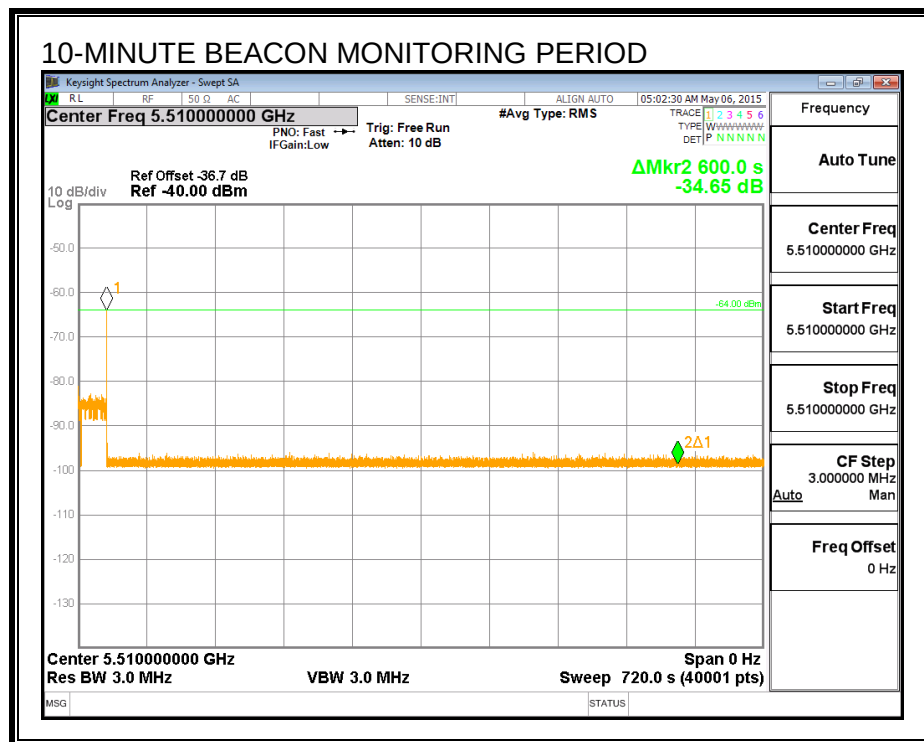
No transmissions are observed during the aggregate monitoring period.



NON-OCCUPANCY PERIOD

RESULTS

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



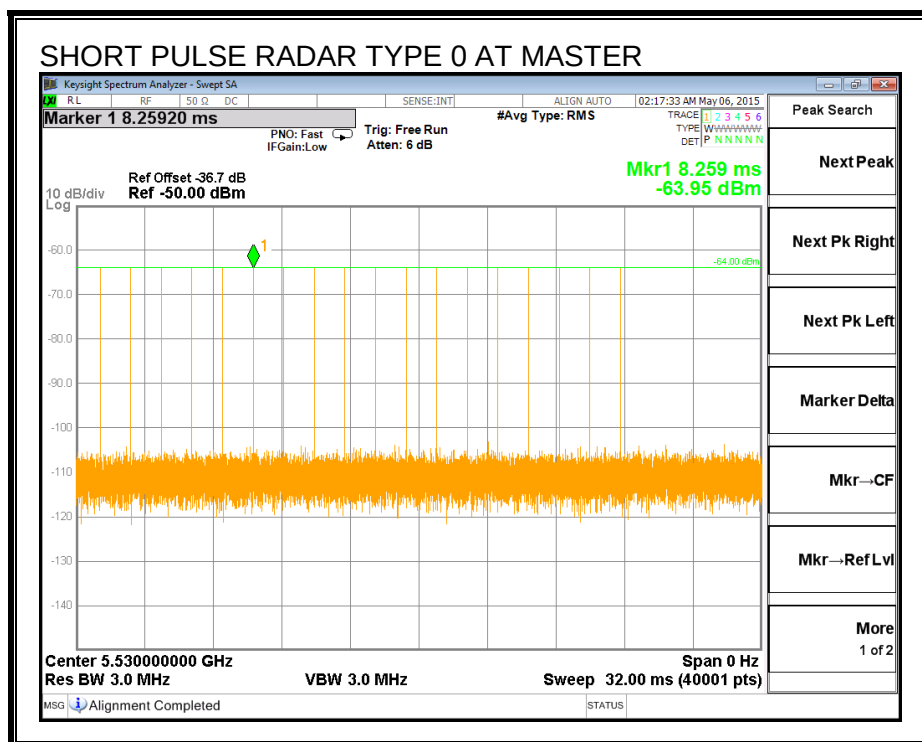
14.4. RESULTS FOR 80 MHz BANDWIDTH

14.4.1. TEST CHANNEL

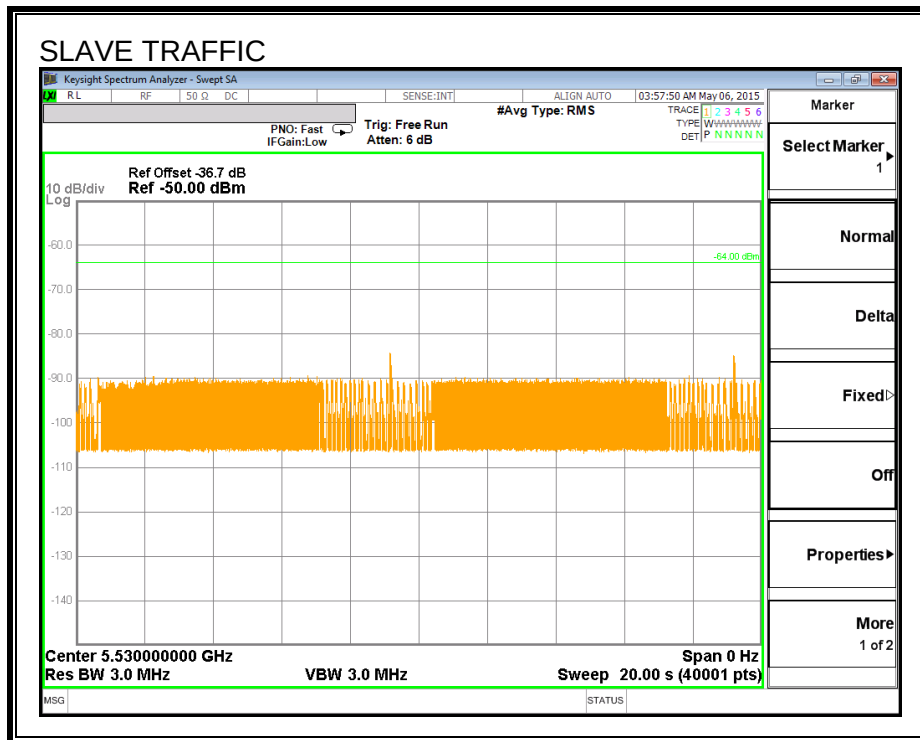
All tests were performed at a channel center frequency of 5530 MHz.

14.4.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



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

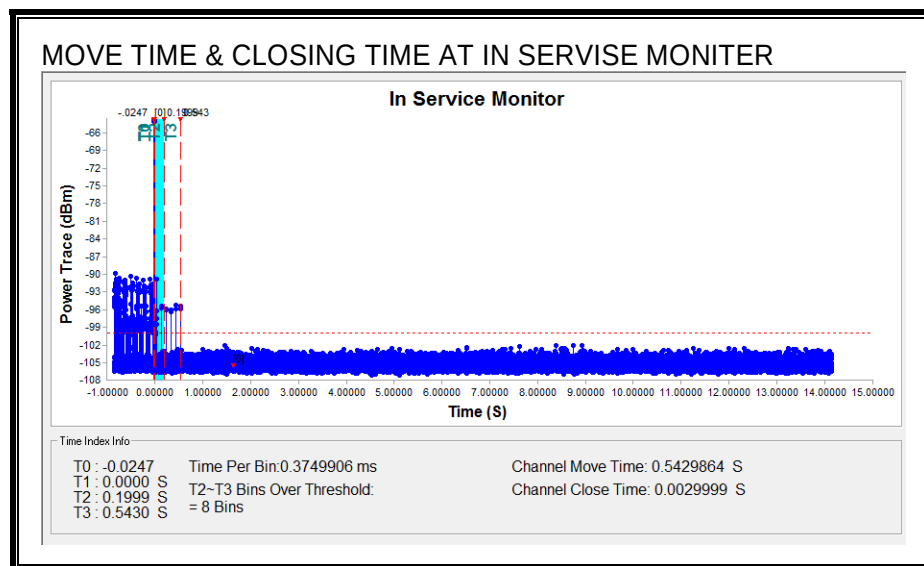
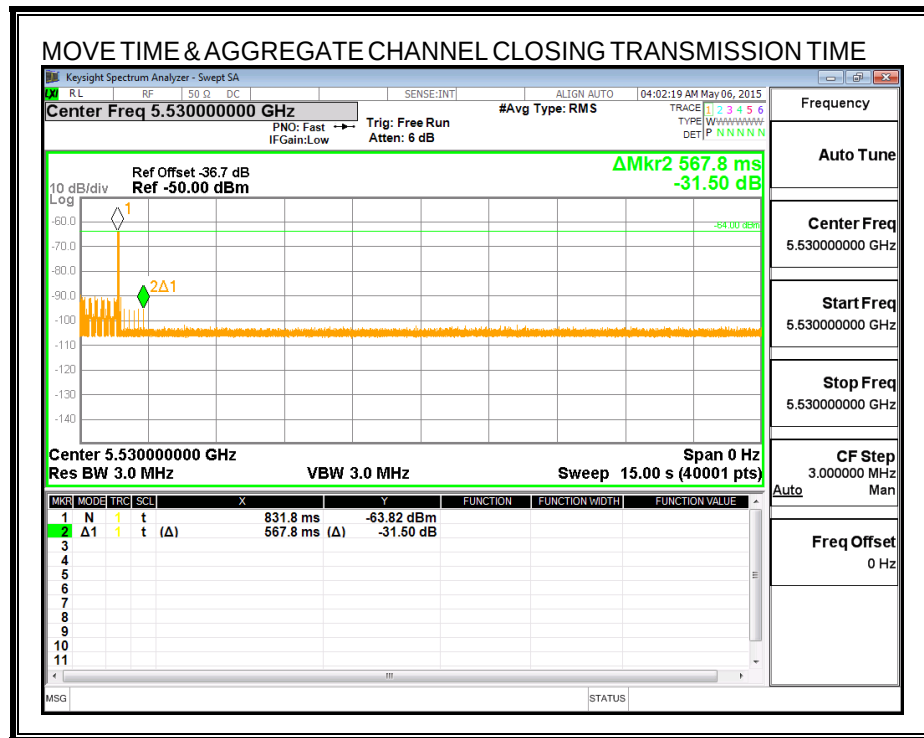
Channel Move Time (sec)	Limit (sec)
0.543	10

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

MOVE TIME & CHANNEL CLOSING TIME

AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



NON-OCCUPANCY PERIOD

RESULTS

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

