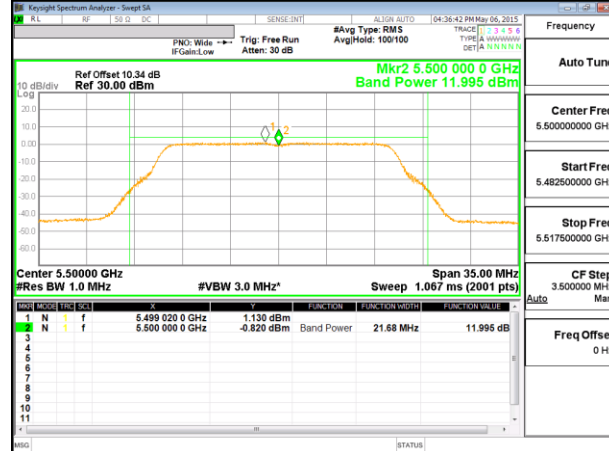
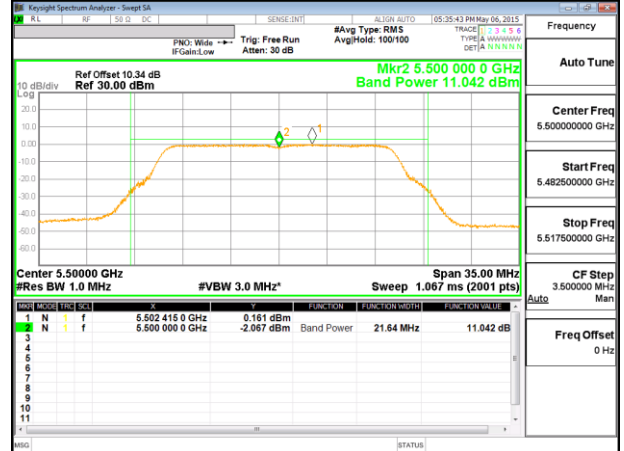


UNII 5.5 GHz

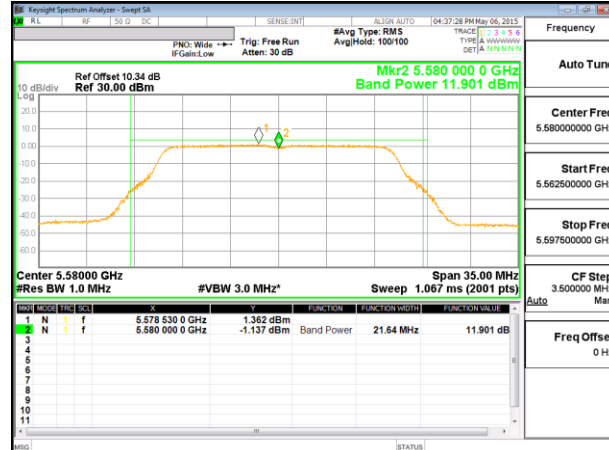
11a Mode Low Channel Chain 0



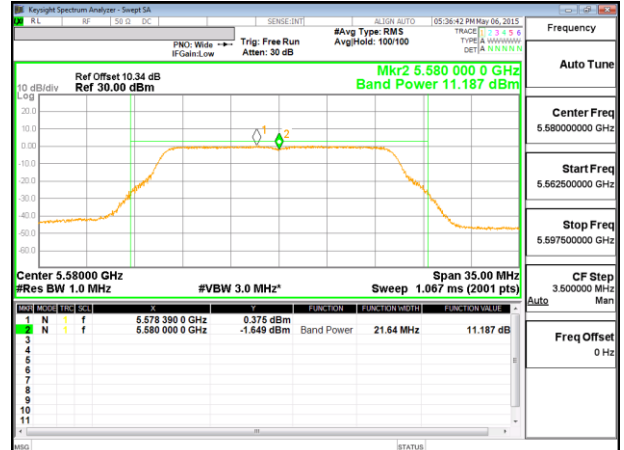
11a Mode Low Channel Chain 1



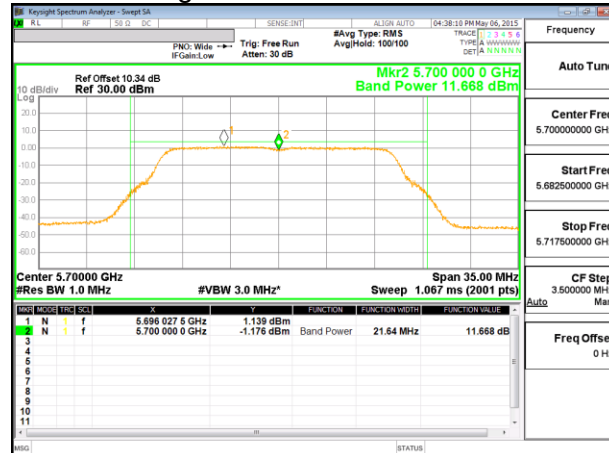
11a Mode Middle Channel Chain 0



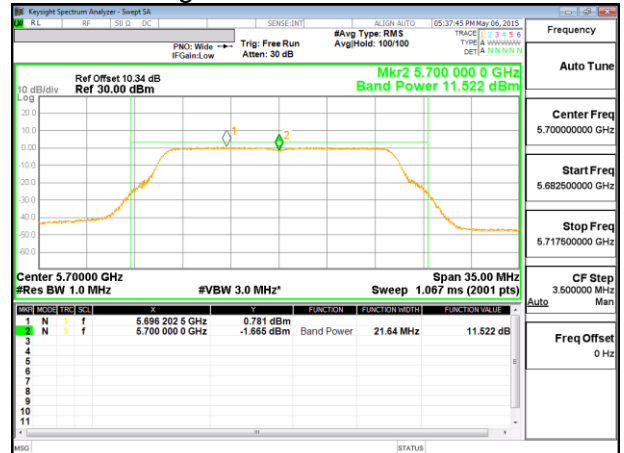
11a Mode Middle Channel Chain 1



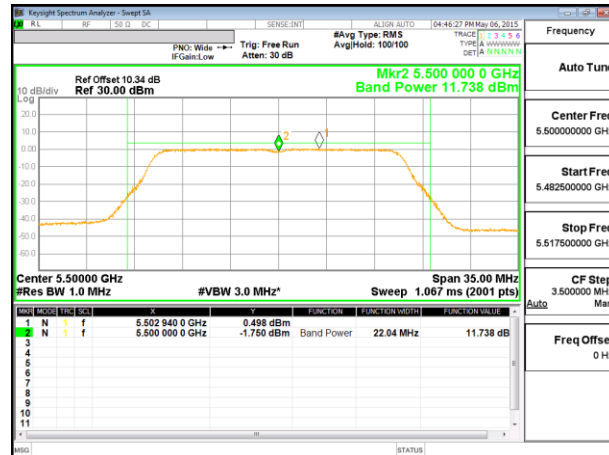
11a Mode High Channel Chain 0



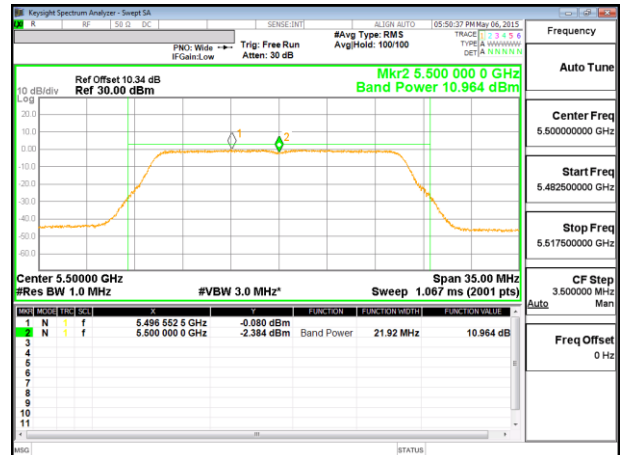
11a Mode High Channel Chain 1



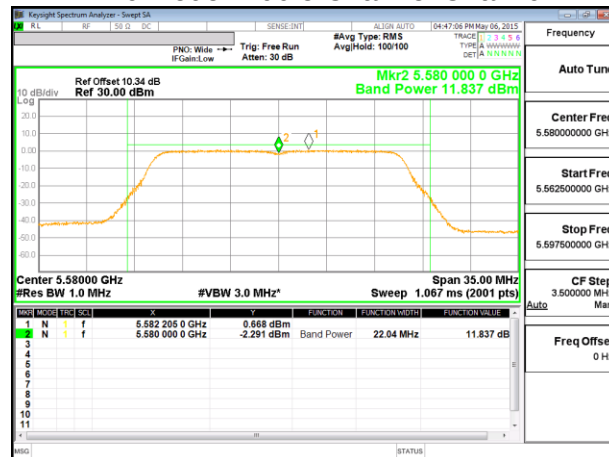
11n HT20 Mode Low Channel Chain 0



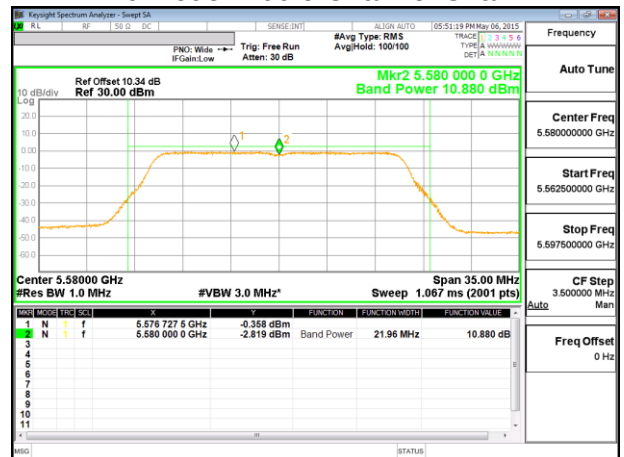
11n HT20 Mode Low Channel Chain 1



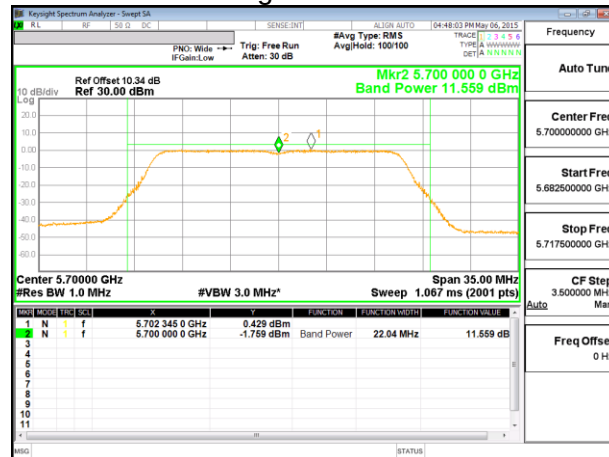
11n HT20 Mode Middle Channel Chain 0



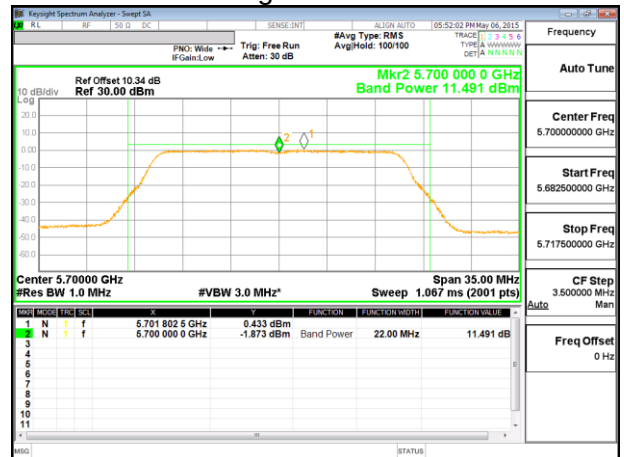
11n HT20 Mode Middle Channel Chain 1

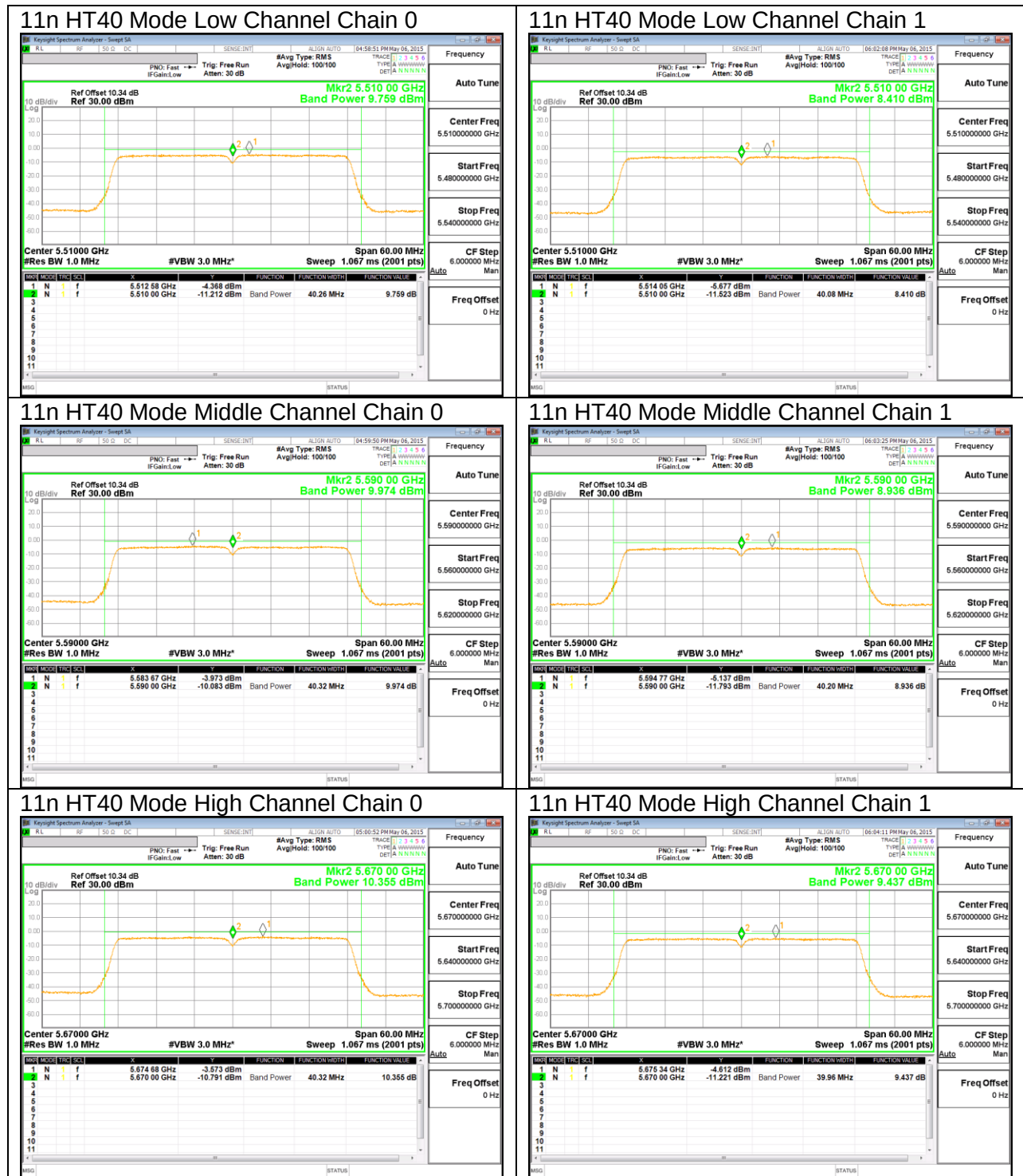


11n HT20 Mode High Channel Chain 0

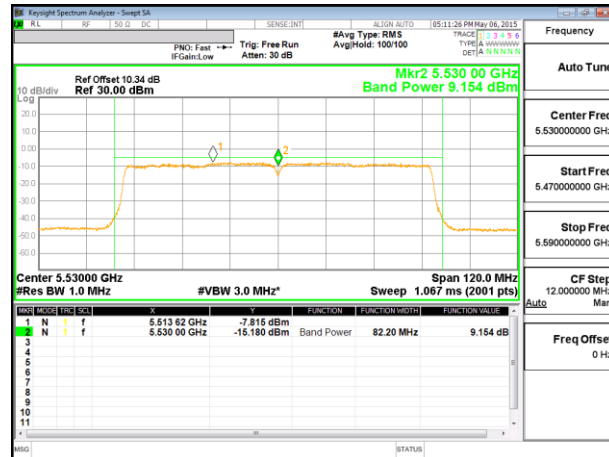


11n HT20 Mode High Channel Chain 1

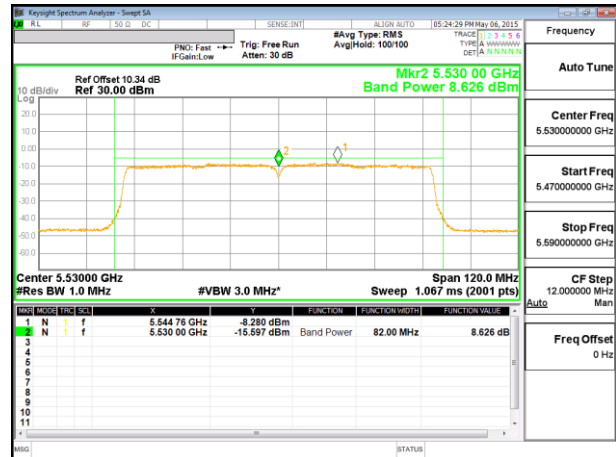




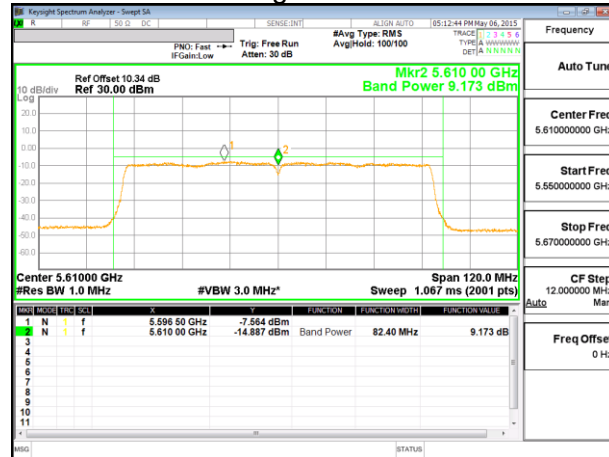
11ac HT80 Mode Low Channel Chain 0



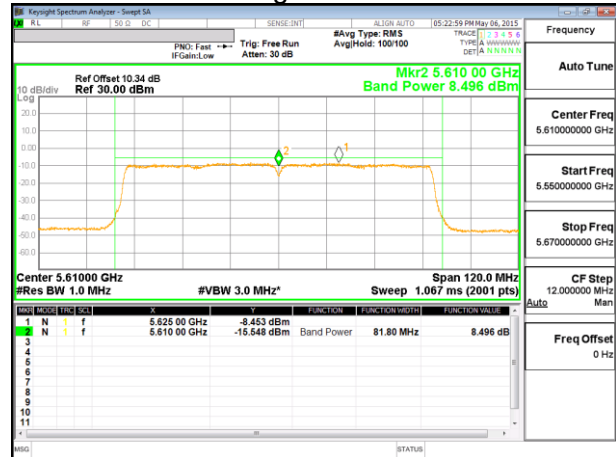
11ac HT80 Mode Low Channel Chain 1



11ac HT80 Mode High Channel Chain 0



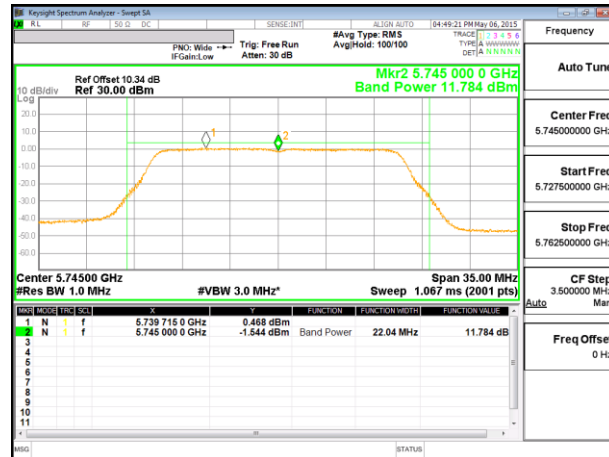
11ac HT80 Mode High Channel Chain 1



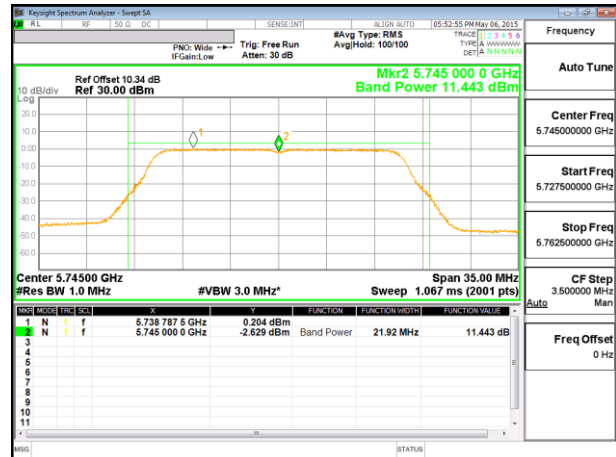
UNII 5.8 GHz



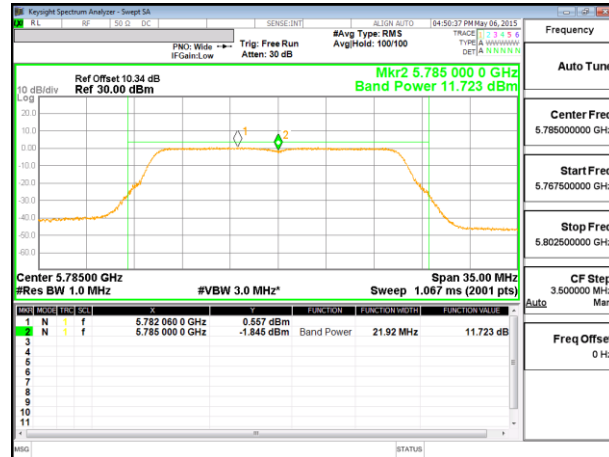
11n HT20 Mode Low Channel Chain 0



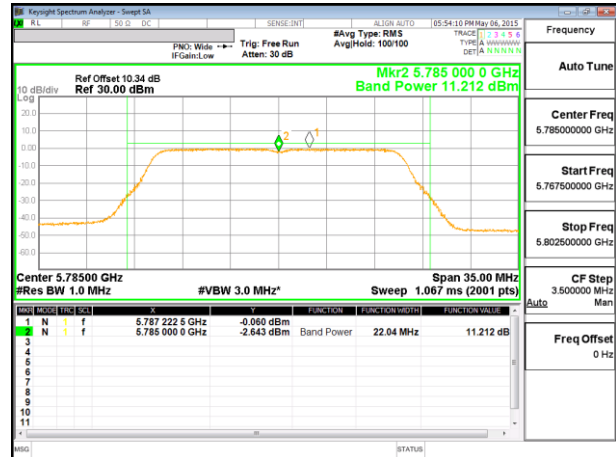
11n HT20 Mode Low Channel Chain 1



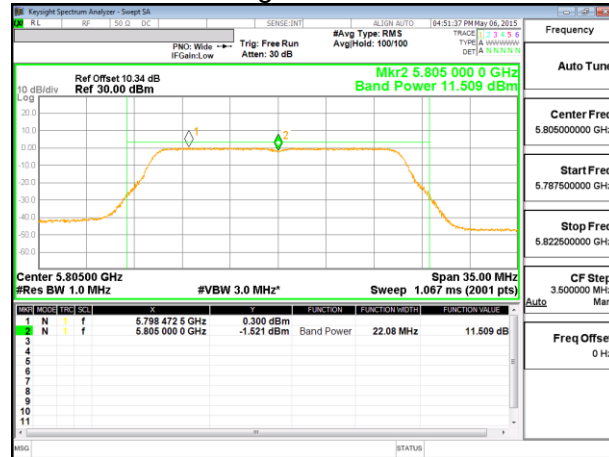
11n HT20 Mode Middle Channel Chain 0



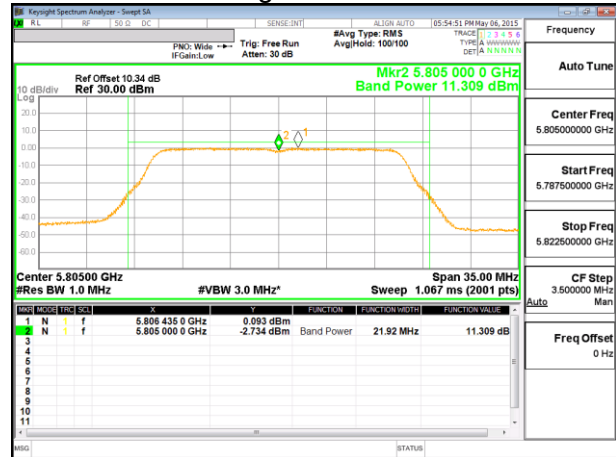
11n HT20 Mode Middle Channel Chain 1

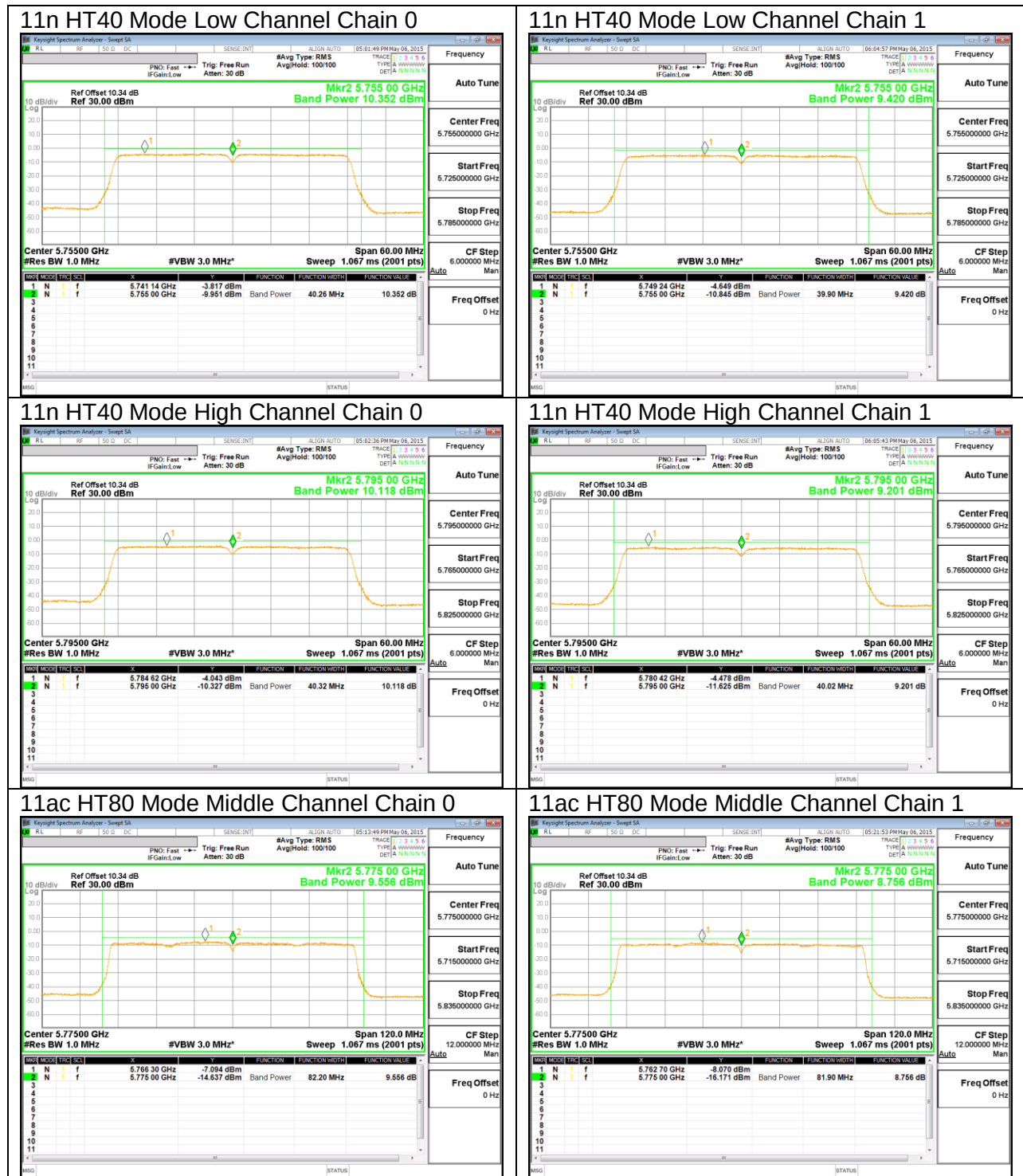


11n HT20 Mode High Channel Chain 0



11n HT20 Mode High Channel Chain 1





11. TRANSMITTER ABOVE 1 GHz

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

Reference to KDB 789033 UNII part H) 6) d) Method AD:

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor to the reading offset for average measurements.

The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

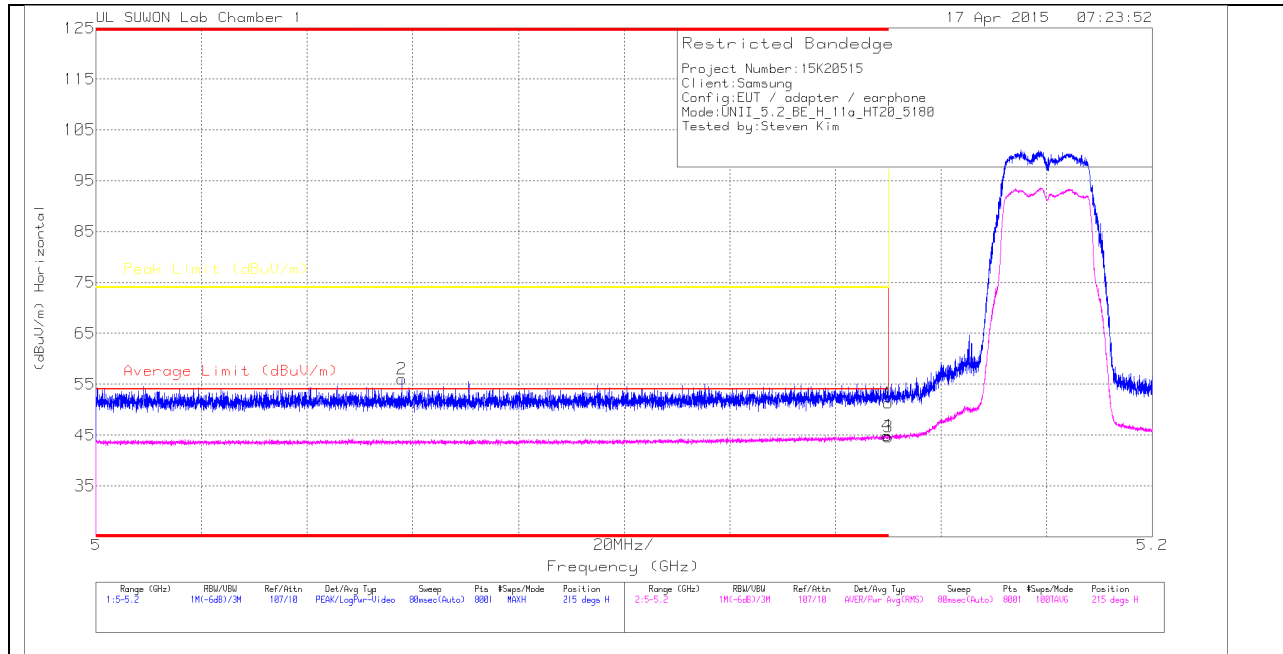
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

11.1. 5.2 GHz

11.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

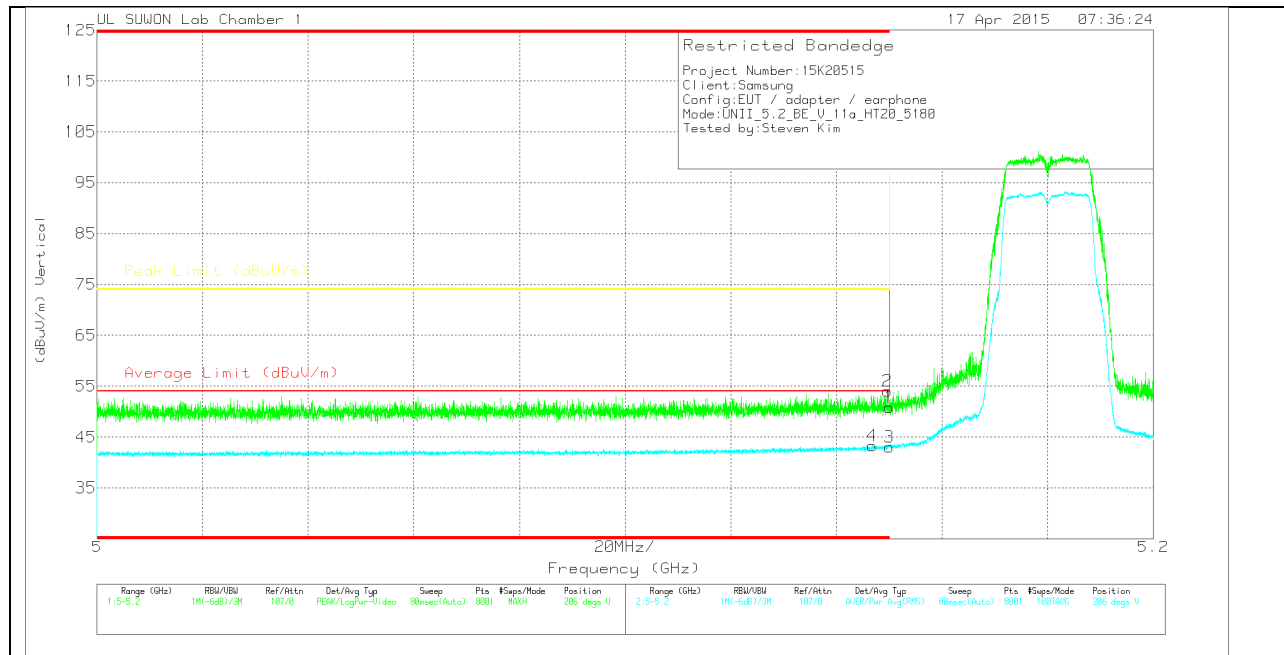
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.02	Pk	32.7	-19.4	0	51.32	-	-	74	-22.68	215	105	H
2	* 5.058	43.12	Pk	32.4	-19.5	0	56.02	-	-	74	-17.98	215	105	H
3	* 5.15	31.32	RMS	32.7	-19.4	.3	44.92	54	-9.08	-	-	215	105	H
4	* 5.15	31.53	RMS	32.7	-19.4	.3	45.13	54	-8.87	-	-	215	105	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	* 5.15	37.58	PK	32.7	-19.4	0	50.88	-	-	74	-23.12	206	385	V
2	* 5.15	40.72	PK	32.7	-19.4	0	54.02	-	-	74	-19.98	206	385	V
3	* 5.15	29.76	RMS	32.7	-19.4	.3	43.36	54	-10.64	-	-	206	385	V
4	* 5.147	29.93	RMS	32.7	-19.4	.3	43.53	54	-10.47	-	-	206	385	V

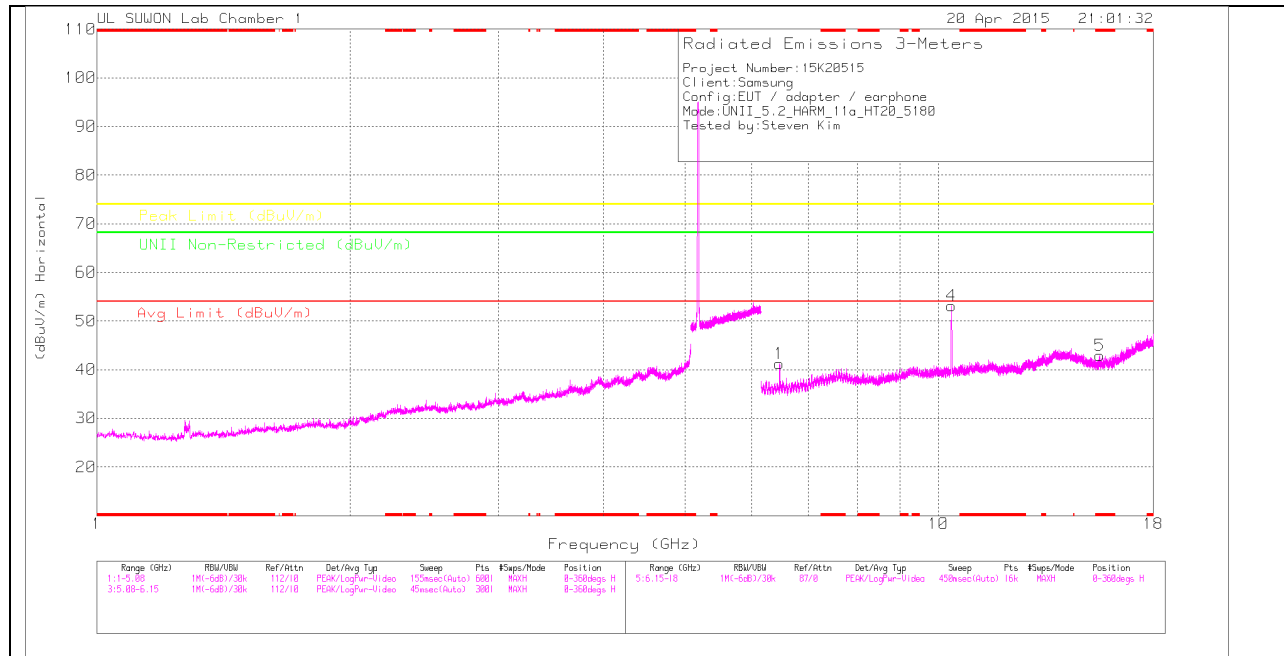
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

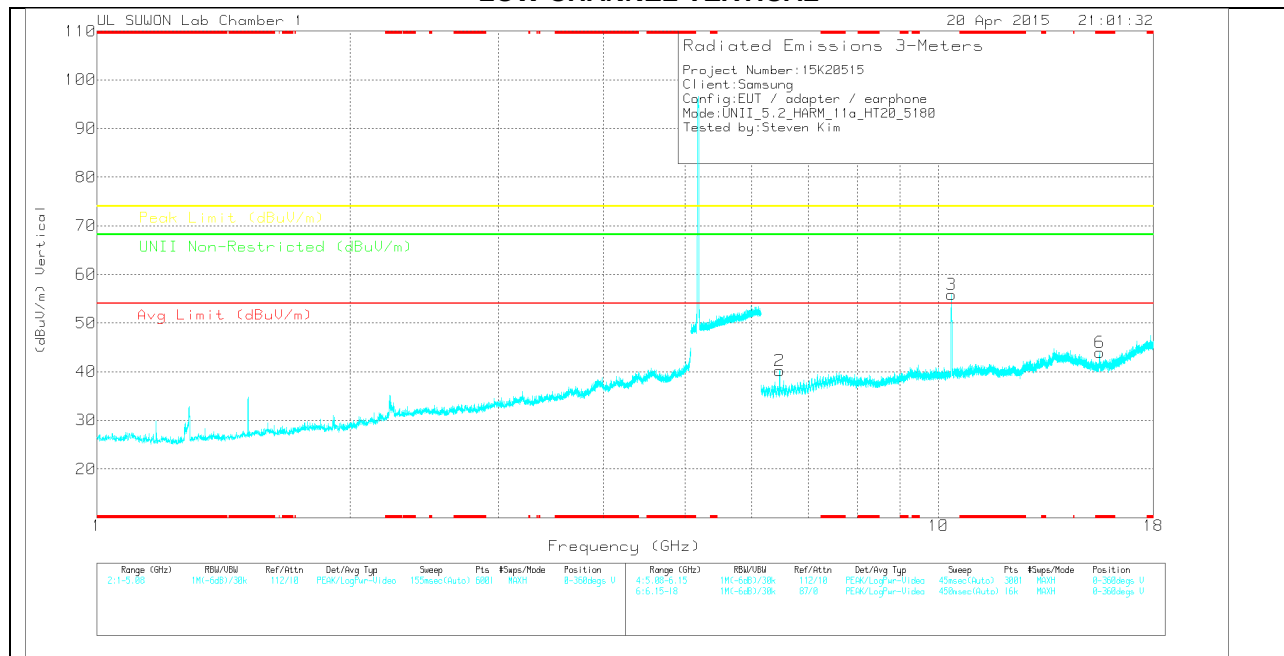
RMS - RMS detection

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	6.474	31.69	PK	35.6	-26.1	0	41.19	-	-	-	-	68.2	-27.01	0-360	100	H
4	10.358	35.81	PK	38.3	-21	0	53.11	-	-	-	-	68.2	-15.09	0-360	200	H
5	* 15.546	24.17	PK	38.6	-19.8	0	42.97	-	-	74	-31.03	-	-	0-360	100	H
2	6.475	30.69	PK	35.6	-26.1	0	40.19	-	-	-	-	68.2	-28.01	0-360	100	V
3	10.356	38.53	PK	38.3	-21	0	55.83	-	-	-	-	68.2	-12.37	0-360	100	V
6	* 15.545	25.17	PK	38.6	-19.8	0	43.97	-	-	74	-30.03	-	-	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

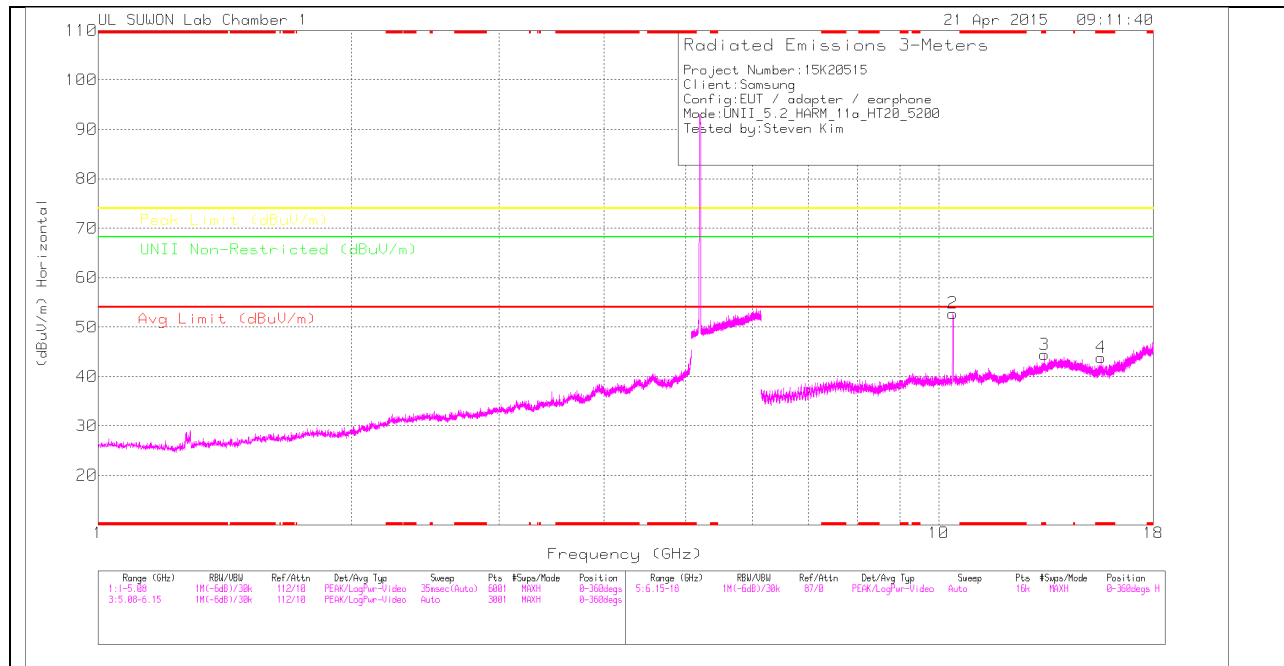
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.361	45.97	PK1	38.3	-20.9	0	63.37	-	-	-	-	68.2	-4.83	148	104	V
10.361	34.39	AD1	38.3	-20.9	.3	52.09	-	-	-	-	-	-	148	104	V
10.481	46.03	PK1	38.4	-21.3	0	63.13	-	-	-	-	68.2	-5.07	202	177	V
10.481	34.36	AD1	38.4	-21.3	0	51.46	-	-	-	-	-	-	202	177	V

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

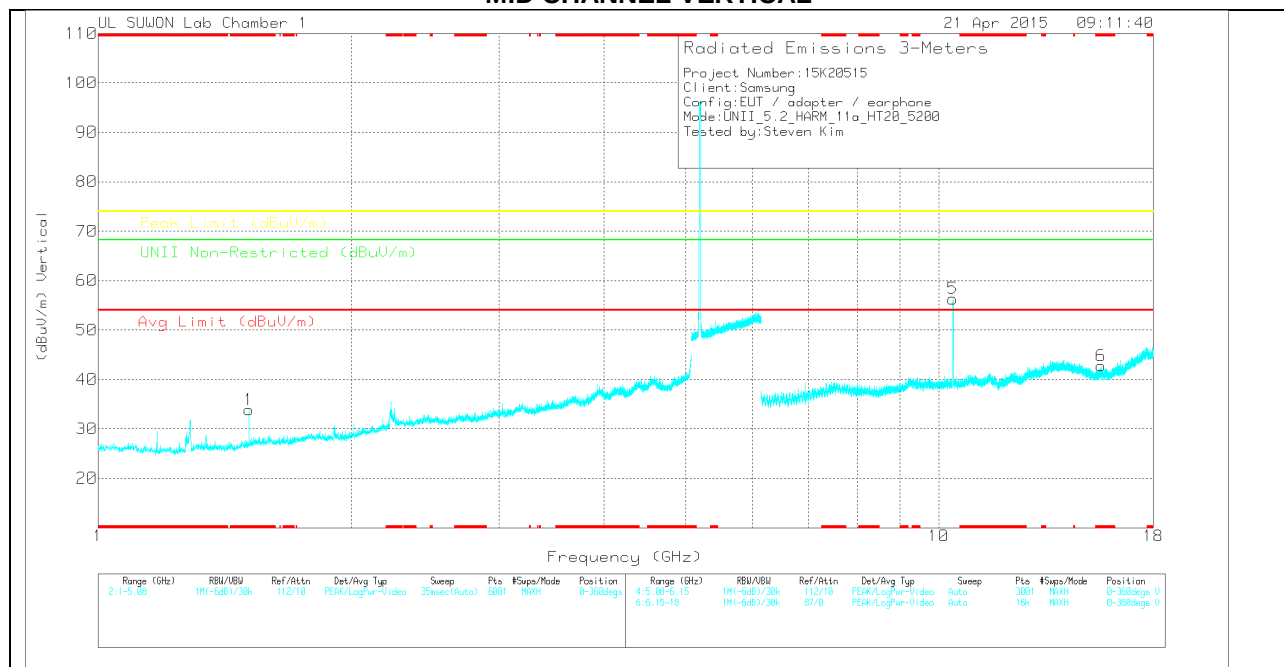
PK1 - KDB789033 Method: Peak

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_4_5G LP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.511	42.77	PK	24.6	-33.5	0	33.87	-	-	74	-40.13	-	-	0-360	100	V
2	10.399	35.06	PK	38.3	-20.6	0	52.76	-	-	-	-	68.2	-15.44	0-360	200	H
3	* 13.36	25.1	PK	39.9	-20.6	0	44.4	-	-	74	-29.6	-	-	0-360	200	H
4	* 15.606	25.05	PK	38.6	-19.8	0	43.85	-	-	74	-30.15	-	-	0-360	100	H
5	10.399	38.64	PK	38.3	-20.6	0	56.34	-	-	-	-	68.2	-11.86	0-360	100	V
6	* 15.593	23.96	PK	38.6	-19.8	0	42.76	-	-	74	-31.24	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

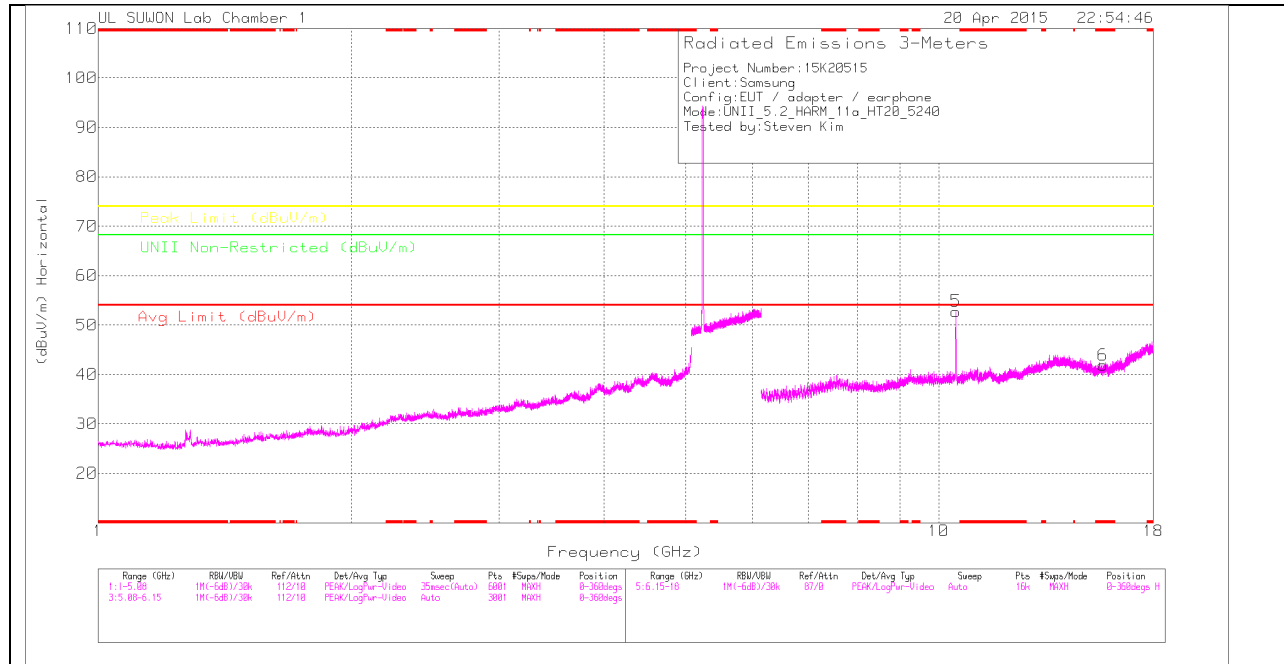
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.401	44.8	PK1	38.3	-20.6	0	62.5	-	-	-	-	68.2	-5.7	170	256	H
10.401	35.64	AD1	38.3	-20.6	.31	53.65	-	-	-	-	-	-	170	256	H
10.397	41.86	PK1	38.3	-20.6	0	59.56	-	-	-	-	68.2	-8.64	195	251	V
10.402	33.23	AD1	38.3	-20.6	.31	51.24	-	-	-	-	-	-	195	251	V

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

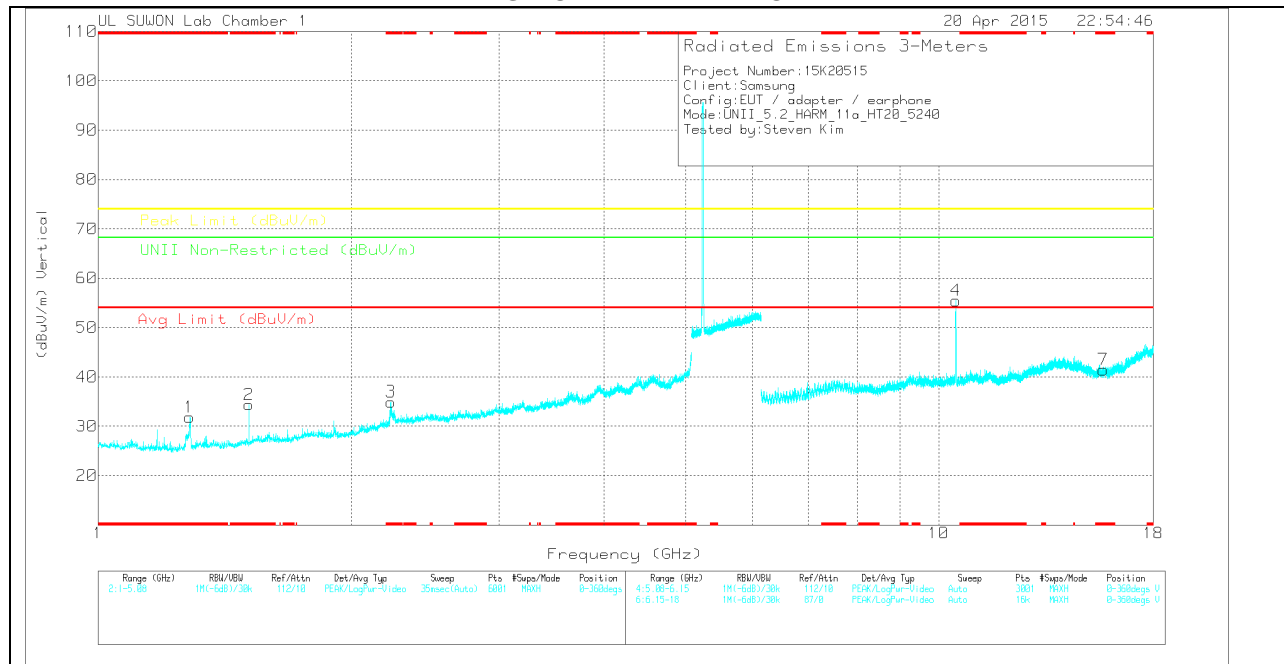
PK1 - KDB789033 Method: Peak

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_4_5G LP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.285	41.74	PK	23.7	-33.6	0	31.84	-	-	74	-42.16	-	-	0-360	100	V
2	* 1.512	43.27	PK	24.6	-33.5	0	34.37	-	-	74	-39.63	-	-	0-360	100	V
3	* 2.229	39.54	PK	27.6	-32.2	0	34.94	-	-	74	-39.06	-	-	0-360	100	V
5	10.482	35.65	PK	38.4	-21.3	0	52.75	-	-	-	-	68.2	-15.45	0-360	200	H
6	* 15.681	23.1	PK	38.6	-19.8	0	41.9	-	-	74	-32.1	-	-	0-360	200	H
4	10.483	38.36	PK	38.4	-21.3	0	55.46	-	-	-	-	68.2	-12.74	0-360	100	V
7	* 15.697	22.66	PK	38.6	-19.8	0	41.46	-	-	74	-32.54	-	-	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_5GHP	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
10.478	47.73	PK1	38.4	-21.3	0	64.83	-	-	-	-	68.2	-3.37	156	216	H
10.483	36.03	AD1	38.4	-21.3	.3	53.43	-	-	-	-	-	-	156	216	H
10.478	44.52	PK1	38.4	-21.3	0	61.62	-	-	-	-	68.2	-6.58	199	256	V
10.477	32.08	AD1	38.4	-21.3	.3	49.48	-	-	-	-	-	-	199	256	V

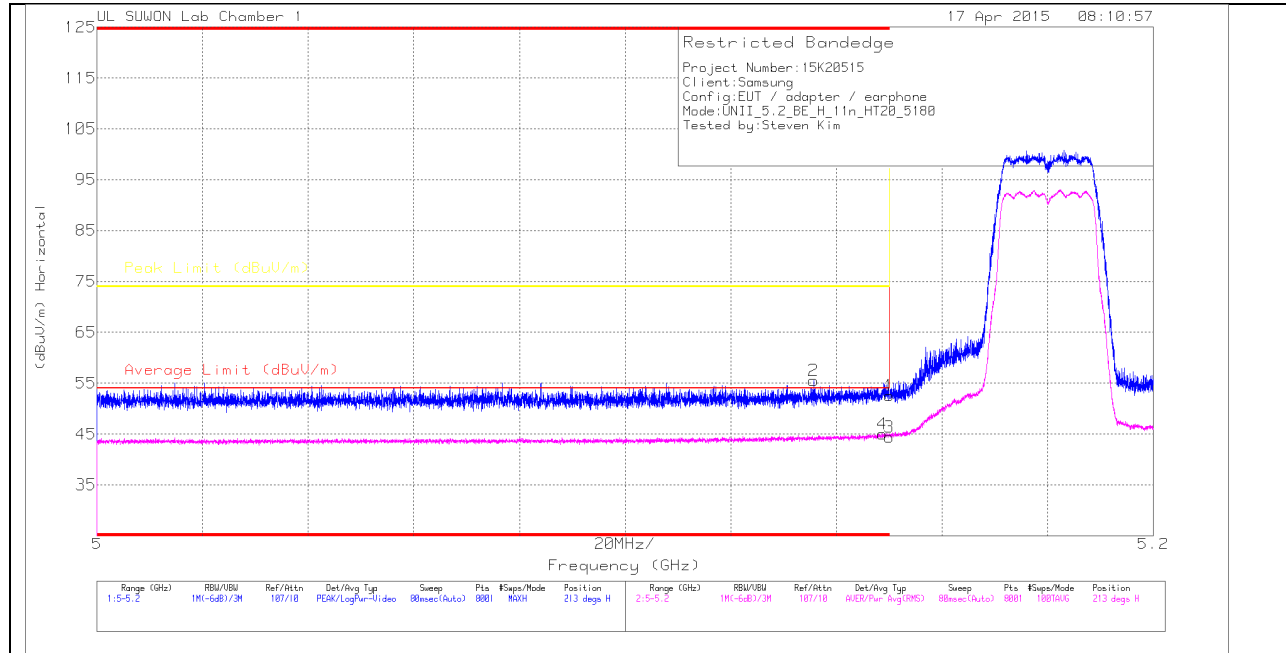
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

11.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

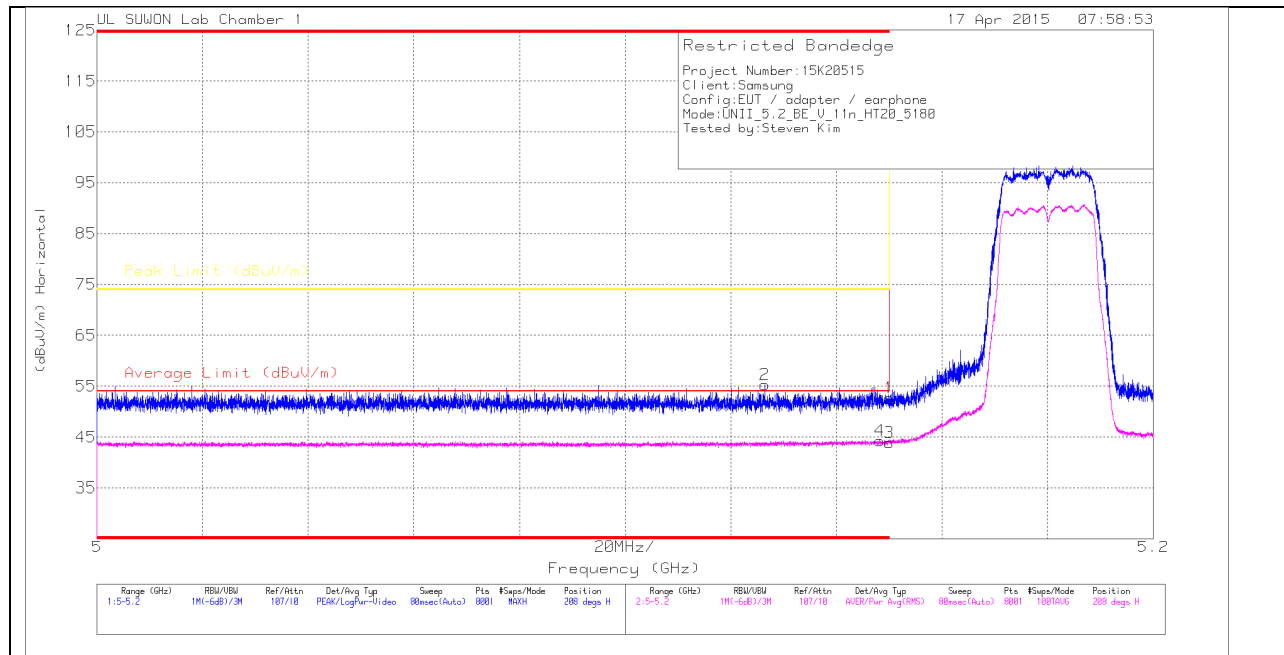
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.27	Pk	32.7	-19.4	0	52.57	-	-	74	-21.43	213	125	H
2	* 5.136	42.4	Pk	32.6	-19.5	0	55.5	-	-	74	-18.5	213	125	H
3	* 5.15	31.13	RMS	32.7	-19.4	.31	44.74	54	-9.26	-	-	213	125	H
4	* 5.149	31.67	RMS	32.7	-19.4	.31	45.28	54	-8.72	-	-	213	125	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	* 5.15	39.32	PK	32.7	-19.4	0	52.62	-	-	74	-21.38	208	383	H
2	* 5.126	42.18	PK	32.6	-19.5	0	55.28	-	-	74	-18.72	208	383	H
3	* 5.15	30.57	RMS	32.7	-19.4	.31	44.18	54	-9.82	-	-	208	383	H
4	* 5.148	31	RMS	32.7	-19.4	.31	44.61	54	-9.39	-	-	208	383	H

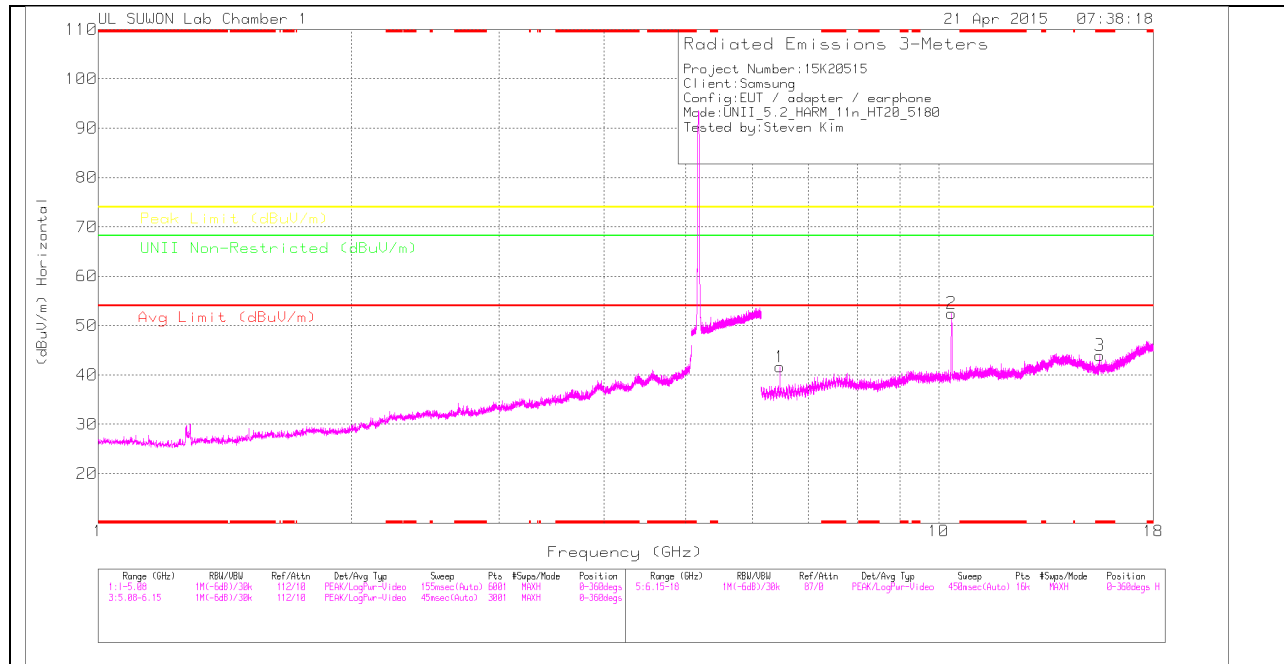
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

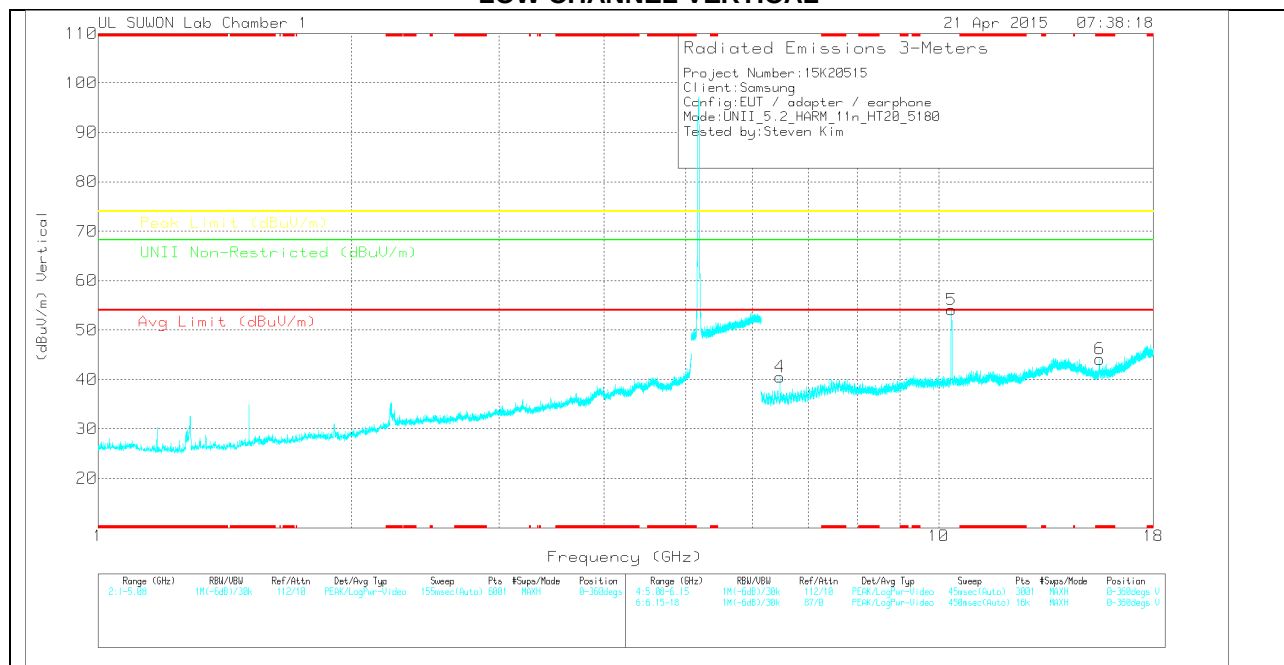
RMS - RMS detection

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	6.474	32.11	PK	35.6	-26.1	0	41.61	-	-	-	-	68.2	-26.59	0-360	100	H
2	10.361	35.09	PK	38.3	-20.9	0	52.49	-	-	-	-	68.2	-15.71	0-360	200	H
3	* 15.544	25.14	PK	38.6	-19.8	0	43.94	-	-	74	-30.06	-	-	0-360	100	H
4	6.475	31.01	PK	35.6	-26.1	0	40.51	-	-	-	-	68.2	-27.69	0-360	100	V
5	10.357	36.79	PK	38.3	-21	0	54.09	-	-	-	-	68.2	-14.11	0-360	100	V
6	* 15.539	25.32	PK	38.6	-19.8	0	44.12	-	-	74	-29.88	-	-	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

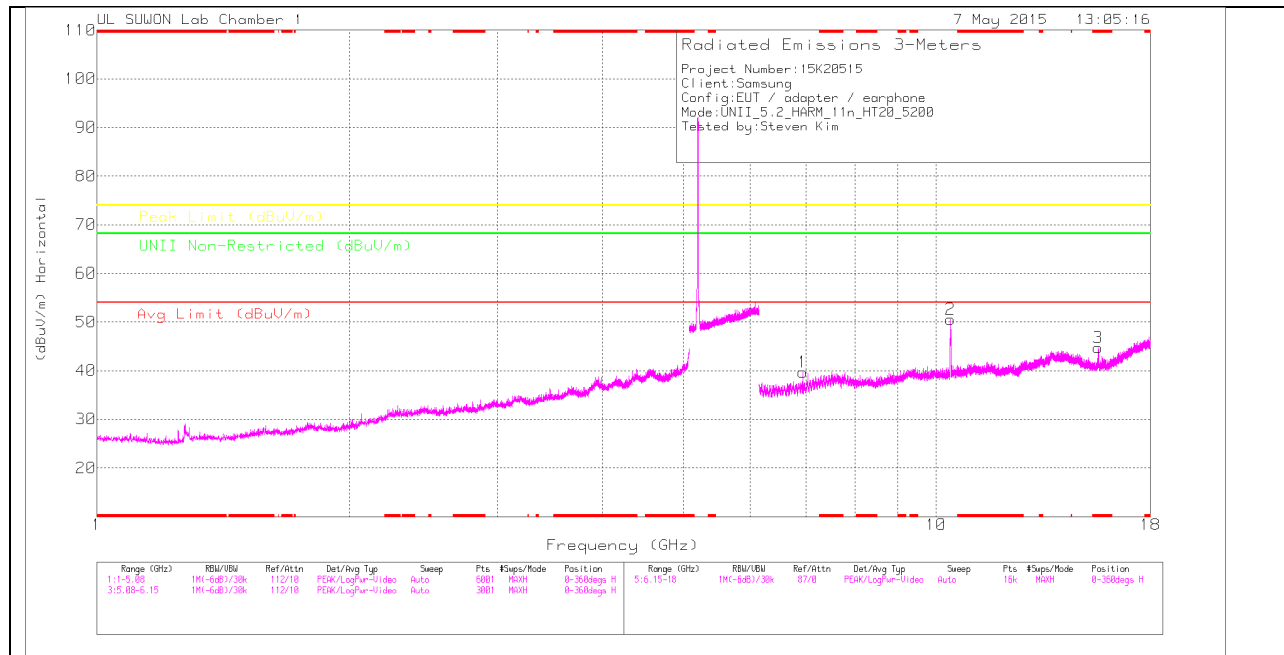
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.357	47.78	PK1	38.3	-21	0	65.08	-	-	-	-	68.2	-3.12	162	116	V
10.359	34.87	AD1	38.3	-21	.31	52.48	-	-	-	-	-	-	162	116	V

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

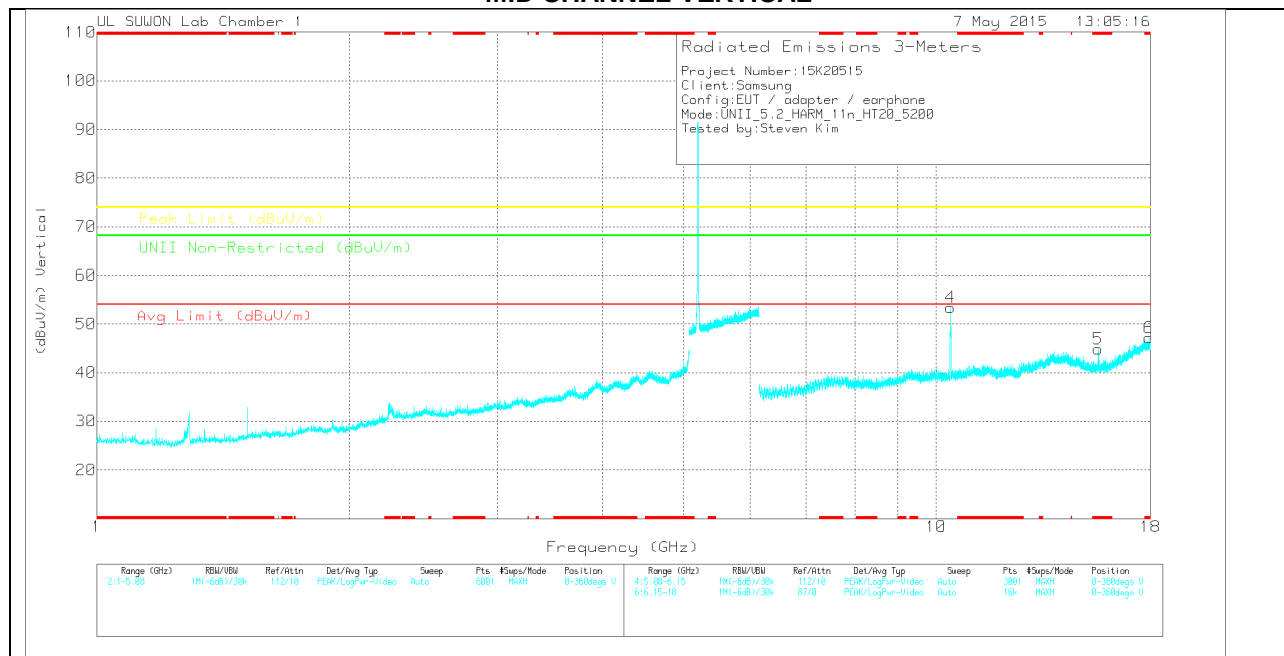
PK1 - KDB789033 Method: Peak

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_5G 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	6.933	28.81	Pk	36.5	-25.6	0	39.71	-	-	-	-	68.2	-28.49	0-360	200	H
2	10.394	32.85	Pk	38.3	-20.6	0	50.55	-	-	-	-	68.2	-17.65	0-360	200	H
3	* 15.603	25.92	Pk	38.6	-19.8	0	44.72	-	-	74	-29.28	-	-	0-360	200	H
4	10.401	35.68	Pk	38.3	-20.6	0	53.38	-	-	-	-	68.2	-14.82	0-360	100	V
5	* 15.601	26.08	Pk	38.6	-19.8	0	44.88	-	-	74	-29.12	-	-	0-360	100	V
6	* 17.931	19.83	Pk	42.1	-14.7	0	47.23	-	-	74	-26.77	-	-	0-360	100	V

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

Pk – Peak Detector

Radiated Emissions

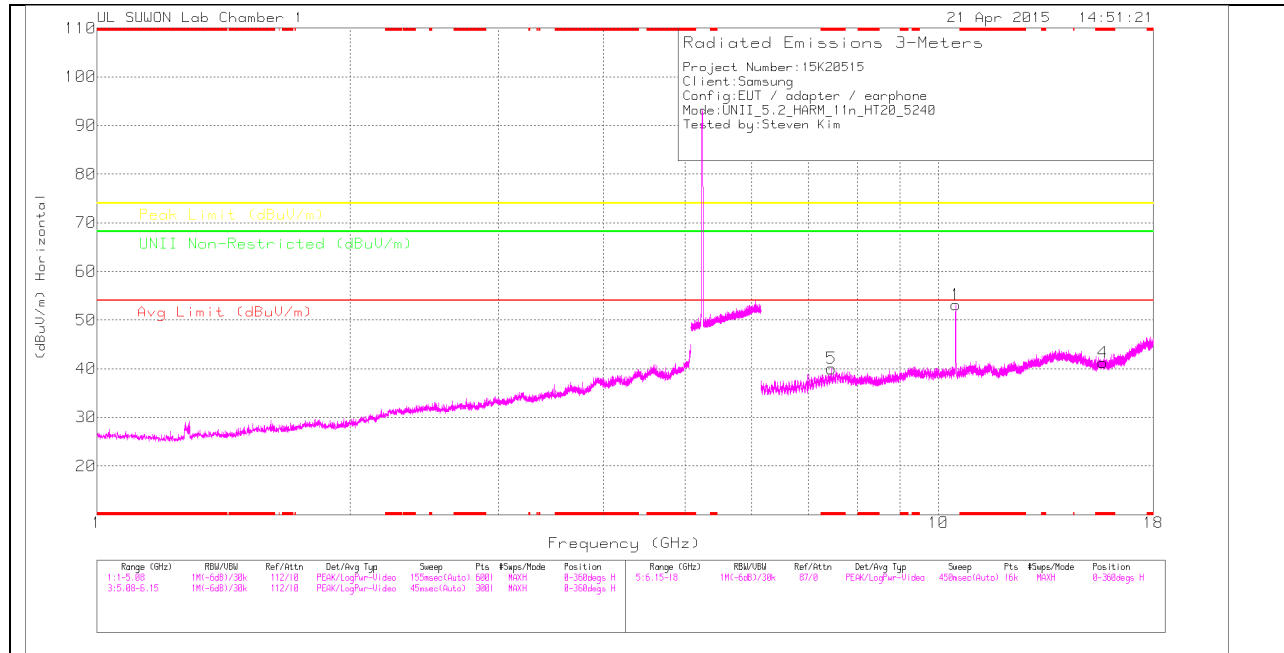
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_5GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.396	44.79	PK1	38.3	-20.6	0	62.49	-	-	-	-	68.2	-5.71	226	130	H
10.396	30.17	AD1	38.3	-20.6	.31	48.18	-	-	-	-	-	-	226	130	H
10.394	44.68	PK1	38.3	-20.6	0	62.38	-	-	-	-	68.2	-5.82	154	106	V
10.401	32.75	AD1	38.3	-20.6	.31	50.76	-	-	-	-	-	-	154	106	V

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

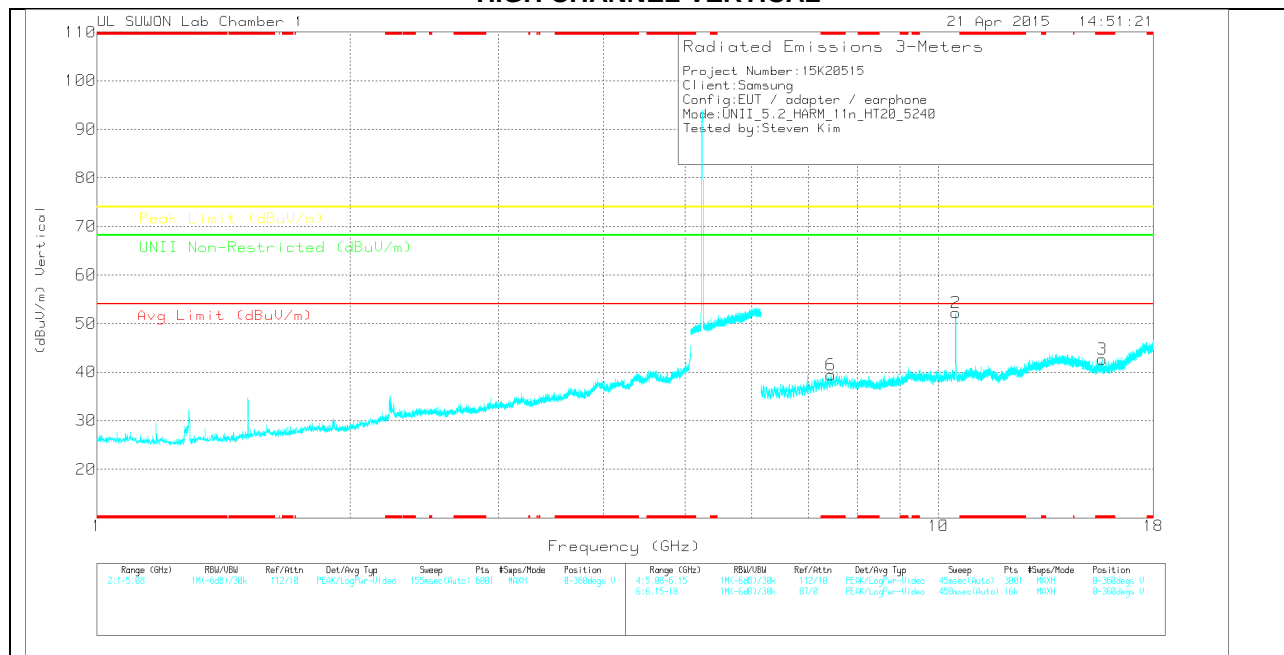
PK1 - KDB789033 Method: Peak

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	10.48	36.07	PK	38.4	-21.3	0	53.17	-	-	-	-	68.2	-15.03	0-360	100	H
4	* 15.675	22.48	PK	38.6	-19.8	0	41.28	-	-	74	-32.72	-	-	0-360	100	H
5	* 7.456	27.51	PK	37.3	-24.8	0	40.01	-	-	74	-33.99	-	-	0-360	100	H
2	10.482	35.13	PK	38.4	-21.3	0	52.23	-	-	-	-	68.2	-15.97	0-360	100	V
3	* 15.668	23.71	PK	38.6	-19.7	0	42.61	-	-	74	-31.39	-	-	0-360	200	V
6	* 7.447	27.08	PK	37.3	-24.9	0	39.48	-	-	74	-34.52	-	-	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
10.473	46.31	PK1	38.4	-21.3	0	63.41	-	-	-	-	68.2	-4.79	146	102	H
10.481	33.53	AD1	38.4	-21.3	.61	51.24	-	-	-	-	-	-	146	102	H
10.481	46.03	PK1	38.4	-21.3	0	63.13	-	-	-	-	68.2	-5.07	202	177	V
10.481	34.36	AD1	38.4	-21.3	.61	52.07	-	-	-	-	-	-	202	177	V

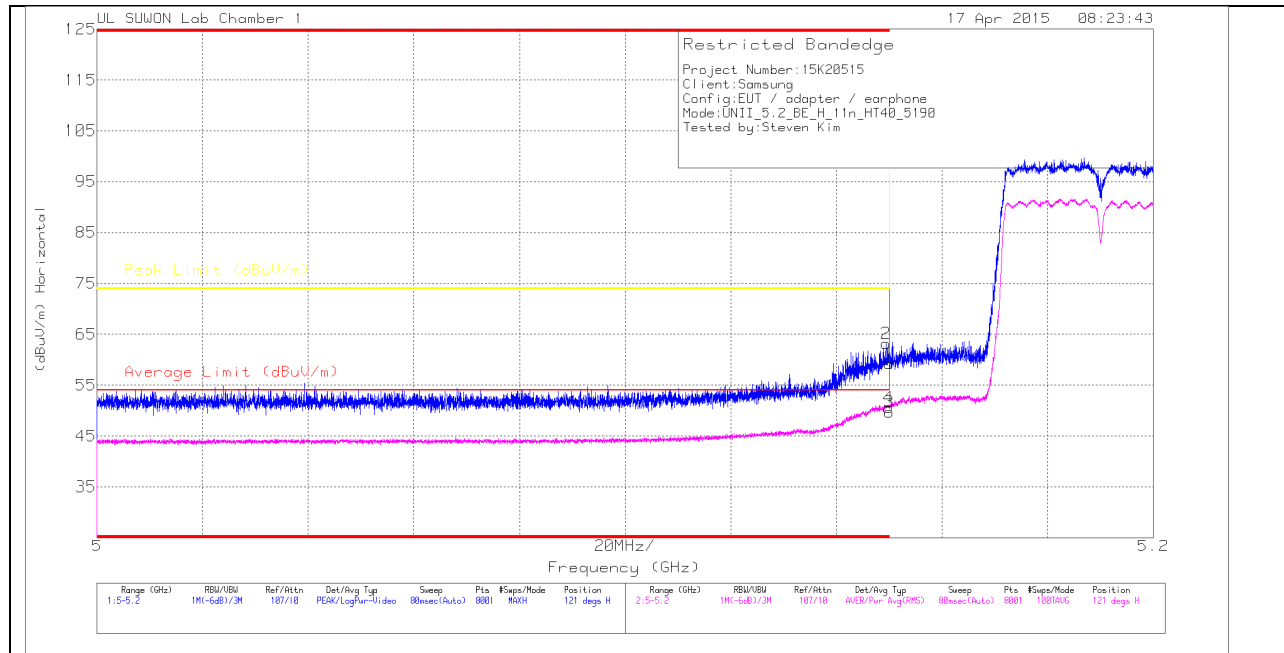
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

11.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

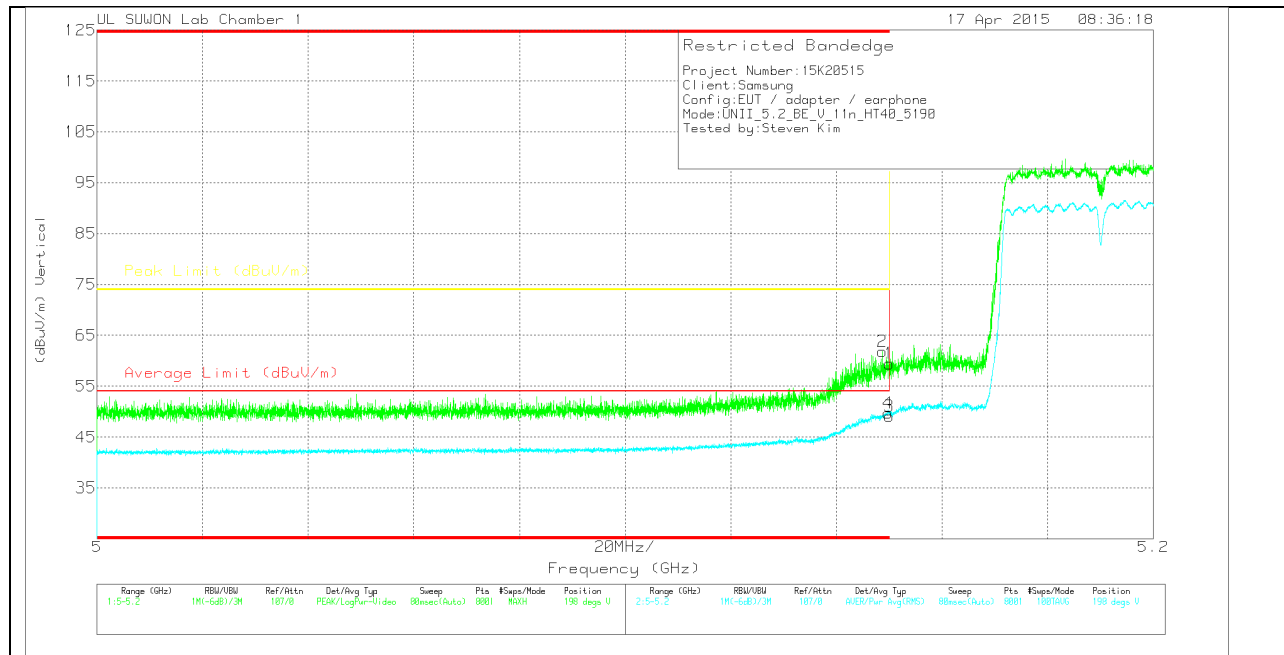
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.89	Pk	32.7	-19.4	0	59.19	-	-	74	-14.81	121	148	H
2	* 5.149	49.91	Pk	32.7	-19.4	0	63.21	-	-	74	-10.79	121	148	H
3	* 5.15	36.41	RMS	32.7	-19.4	.61	50.32	54	-3.68	-	-	121	148	H
4	* 5.15	37.22	RMS	32.7	-19.4	.61	51.13	54	-2.87	-	-	121	148	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	* 5.15	46.12	PK	32.7	-19.4	0	59.42	-	-	74	-14.58	198	151	V
2	* 5.149	48.52	PK	32.7	-19.4	0	61.82	-	-	74	-12.18	198	151	V
3	* 5.15	35.84	RMS	32.7	-19.4	.61	49.75	54	-4.25	-	-	198	151	V
4	* 5.15	36.4	RMS	32.7	-19.4	.61	50.31	54	-3.69	-	-	198	151	V

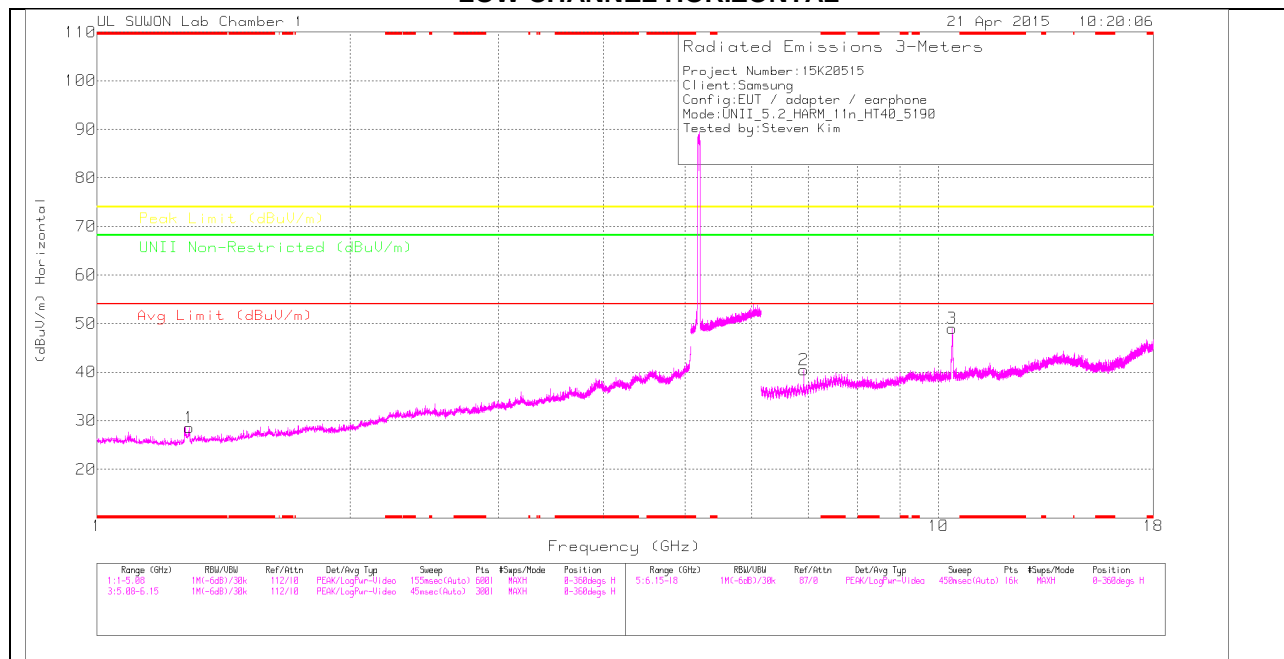
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

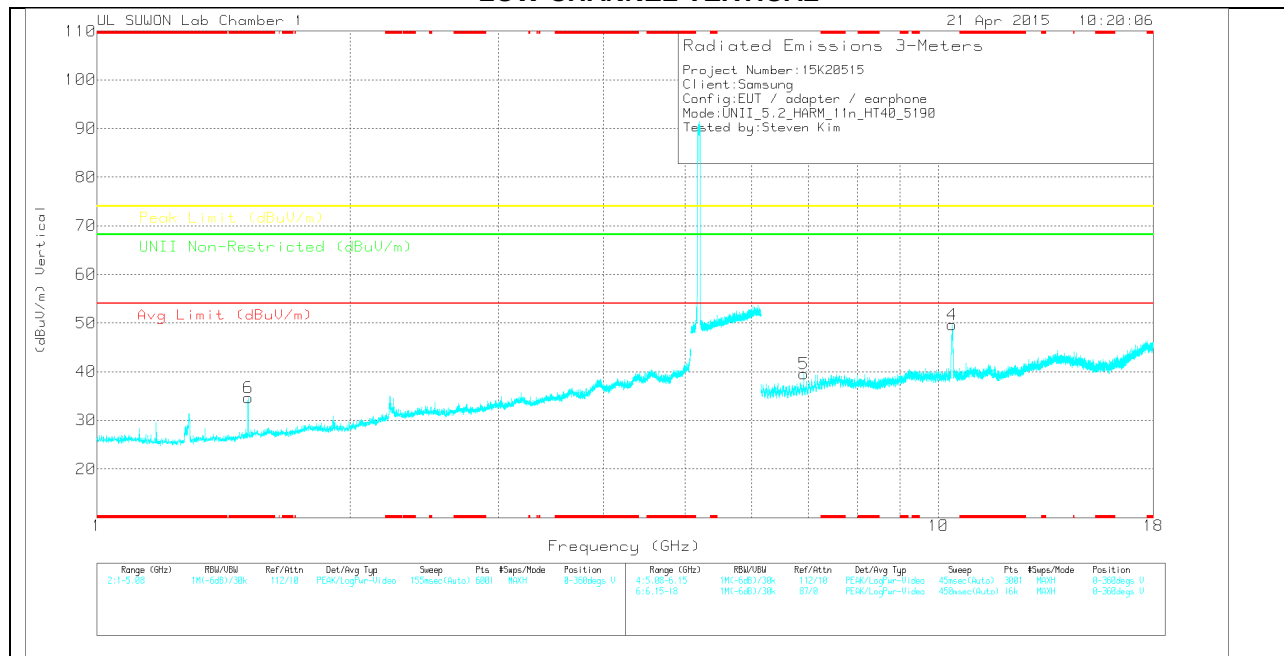
RMS - RMS detection

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_4_5G LP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.288	38.39	PK	23.8	-33.6	0	28.59	-	-	74	-45.41	-	-	0-360	200	H
6	* 1.512	43.58	PK	24.6	-33.5	0	34.68	-	-	74	-39.32	-	-	0-360	100	V
2	6.919	29.6	PK	36.5	-25.6	0	40.5	-	-	-	-	68.2	-27.7	0-360	200	H
3	10.376	31.53	PK	38.3	-20.8	0	49.03	-	-	-	-	68.2	-19.17	0-360	200	H
4	10.383	32.05	PK	38.3	-20.7	0	49.65	-	-	-	-	68.2	-18.55	0-360	100	V
5	6.919	28.62	PK	36.5	-25.6	0	39.52	-	-	-	-	68.2	-28.68	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

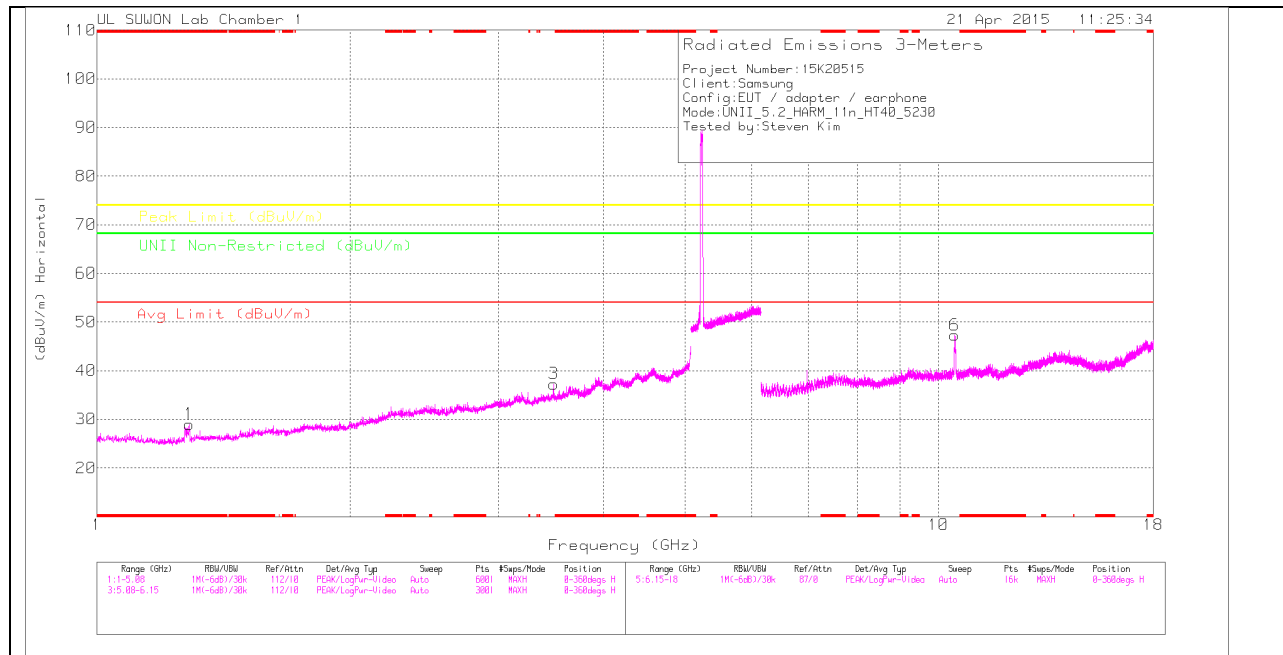
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.377	42.08	PK1	38.3	-20.8	0	59.58	-	-	-	-	68.2	-8.62	228	186	H
10.378	29.61	AD1	38.3	-20.8	.61	47.72	-	-	-	-	-	-	228	186	H
10.381	30.05	AD1	38.3	-20.8	.61	48.16	-	-	-	-	-	-	156	100	V
10.383	43.41	PK1	38.3	-20.7	0	61.01	-	-	-	-	68.2	-7.19	156	100	V

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

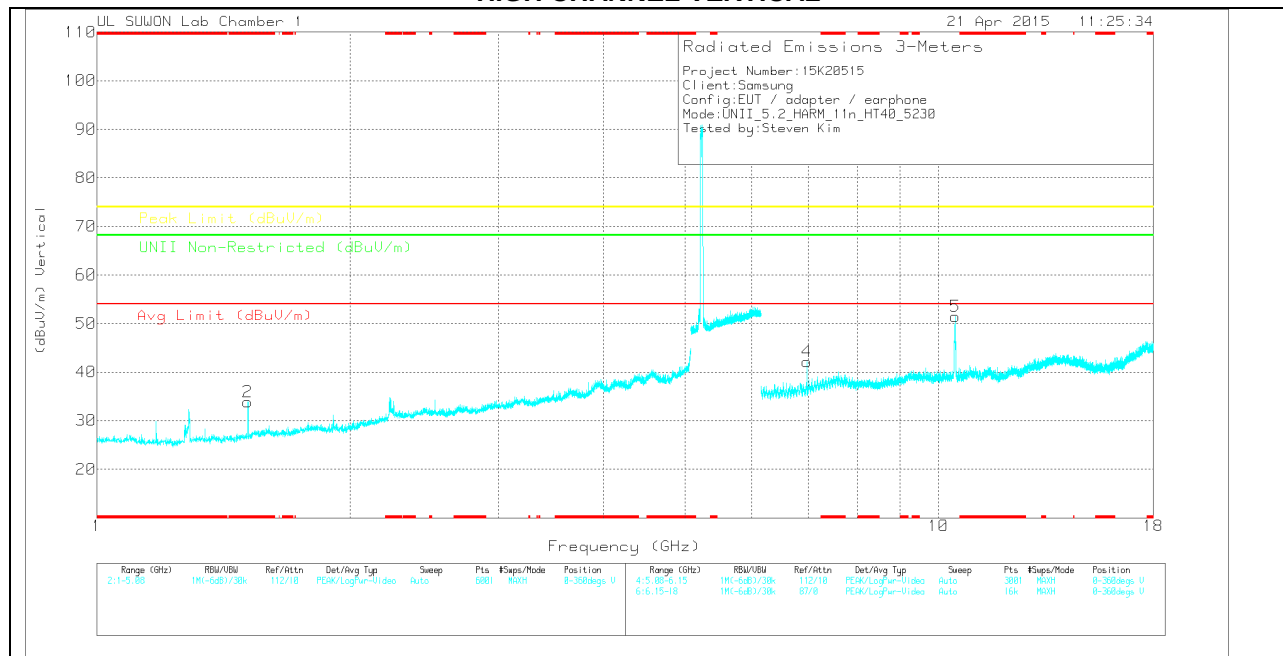
PK1 - KDB789033 Method: Peak

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_4_5G LP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.288	38.81	PK	23.8	-33.6	0	29.01	-	-	74	-44.99	-	-	0-360	200	H
3	3.487	38.09	PK	29.6	-30.4	0	37.29	-	-	-	-	68.2	-30.91	0-360	200	H
2	* 1.511	42.81	PK	24.6	-33.5	0	33.91	-	-	74	-40.09	-	-	0-360	100	V
6	10.459	30.21	PK	38.4	-21.3	0	47.31	-	-	-	-	68.2	-20.89	0-360	100	H
4	6.973	31.13	PK	36.6	-25.6	0	42.13	-	-	-	-	68.2	-26.07	0-360	200	V
5	10.462	34.3	PK	38.4	-21.3	0	51.4	-	-	-	-	68.2	-16.8	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
10.461	42.35	PK1	38.4	-21.3	0	59.45	-	-	-	-	68.2	-8.75	136	104	H
10.46	29.41	AD1	38.4	-21.3	.61	47.12	-	-	-	-	-	-	136	104	H
10.461	43.48	PK1	38.4	-21.3	0	60.58	-	-	-	-	68.2	-7.62	152	100	V
10.461	31.54	AD1	38.4	-21.3	.61	49.25	-	-	-	-	-	-	152	100	V

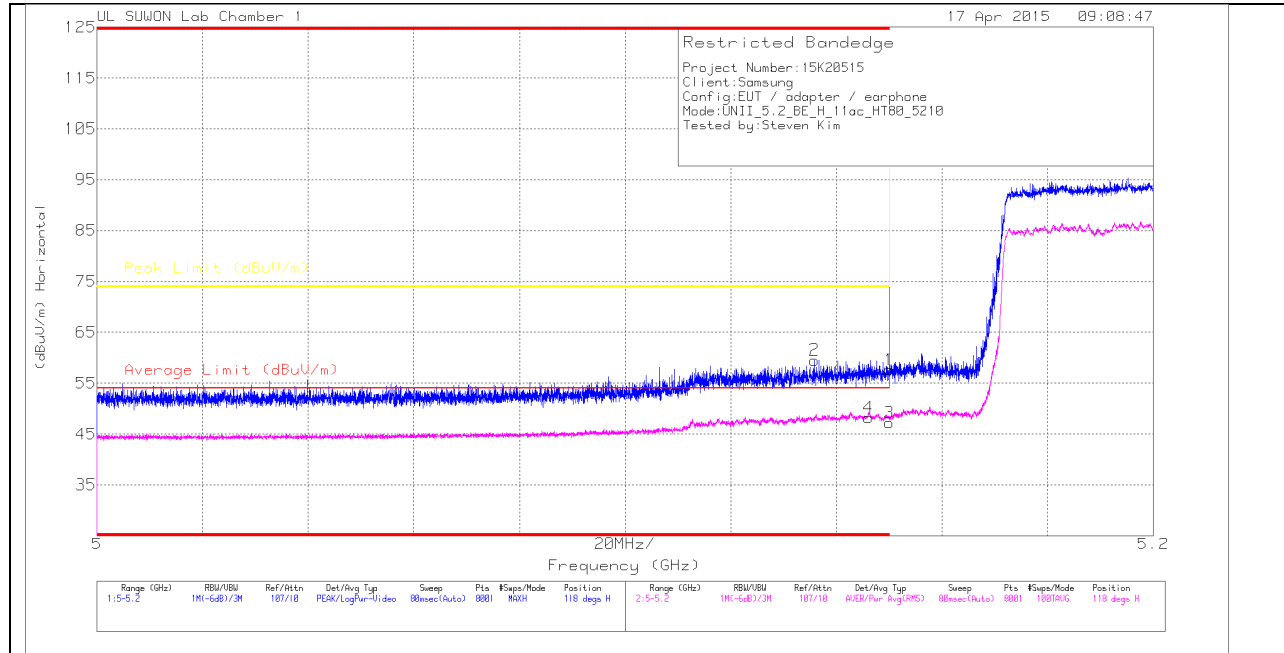
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

11.1.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

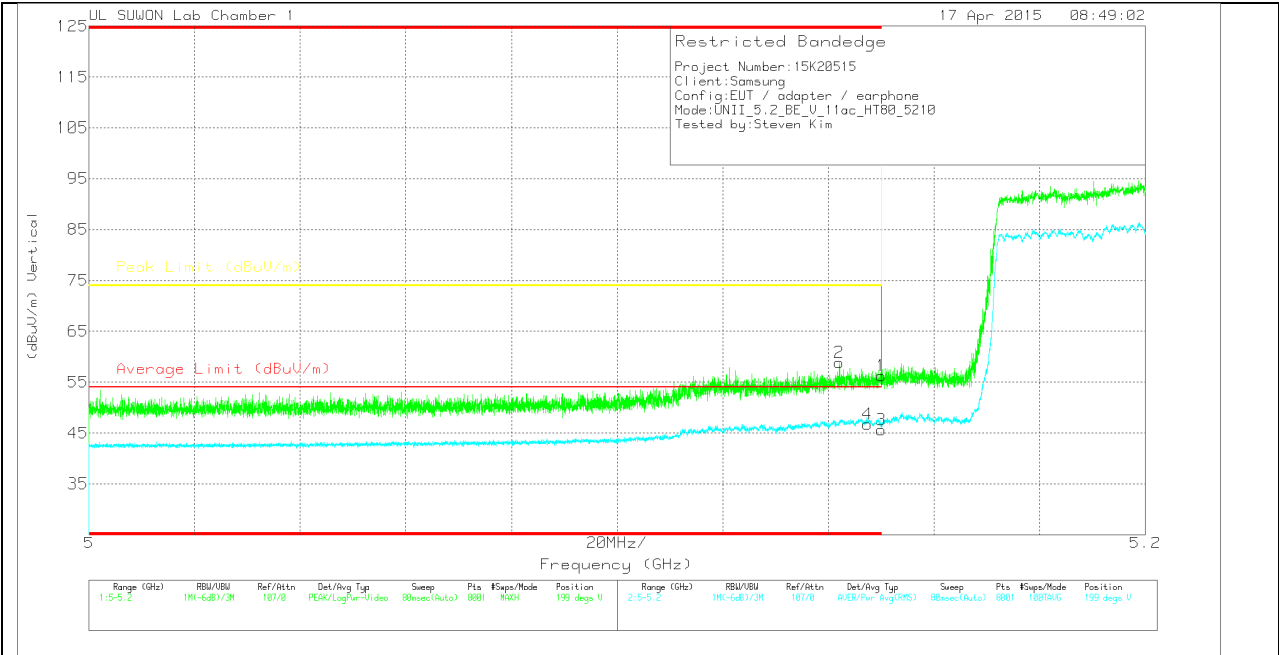
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.28	PK	32.7	-19.4	0	57.58	-	-	74	-16.42	118	150	H
2	* 5.136	46.44	PK	32.6	-19.5	0	59.54	-	-	74	-14.46	118	150	H
3	* 5.15	33.88	RMS	32.7	-19.4	1.14	48.32	54	-5.68	-	-	118	150	H
4	* 5.146	34.91	RMS	32.7	-19.4	1.14	49.35	54	-4.65	-	-	118	150	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	* 5.15	42.93	PK	32.7	-19.4	0	56.23	-	-	74	-17.77	199	152	V
2	* 5.142	45.61	PK	32.7	-19.4	0	58.91	-	-	74	-15.09	199	152	V
3	* 5.15	32.31	RMS	32.7	-19.4	1.14	46.75	54	-7.25	-	-	199	152	V
4	* 5.147	33.49	RMS	32.7	-19.4	1.14	47.93	54	-6.07	-	-	199	152	V

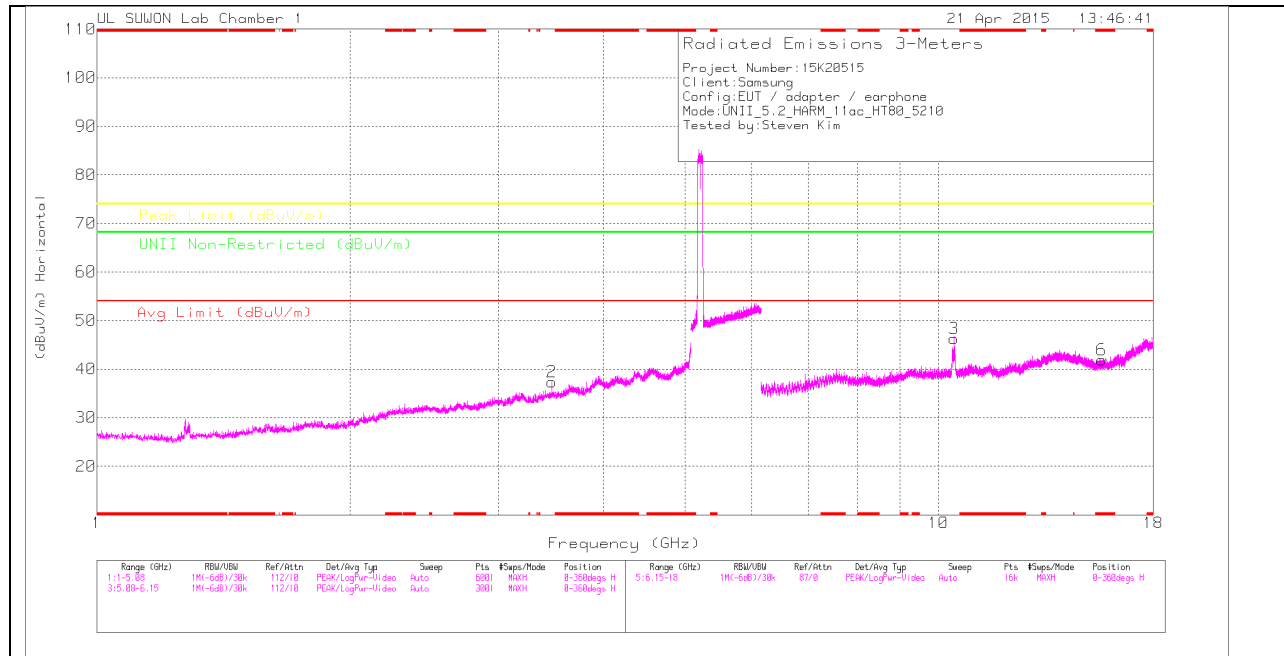
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

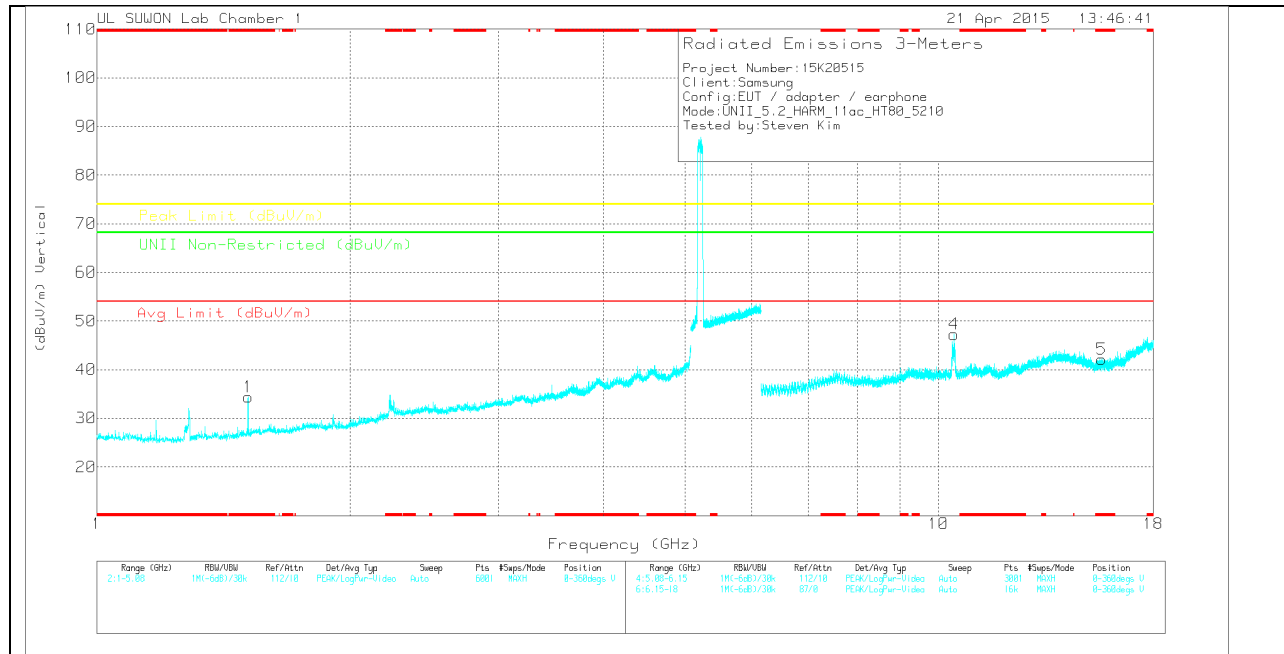
RMS - RMS detection

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_4_5G LP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	3.473	38.15	Avg	29.5	-30.3	0	37.35	-	-	-	-	68.2	-30.85	0-360	100	H
1	* 1.512	43.33	Avg	24.6	-33.5	0	34.43	-	-	74	-39.57	-	-	0-360	100	V
3	10.429	28.98	Avg	38.3	-21	0	46.28	-	-	-	-	68.2	-21.92	0-360	100	H
6	* 15.629	22.94	Avg	38.6	-19.7	0	41.84	-	-	74	-32.16	-	-	0-360	100	H
4	10.441	29.95	Avg	38.4	-21.1	0	47.25	-	-	-	-	68.2	-20.95	0-360	100	V
5	* 15.626	23.26	Avg	38.6	-19.7	0	42.16	-	-	74	-31.84	-	-	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
10.427	36.07	PK1	38.3	-20.9	0	53.47	-	-	-	-	68.2	-14.73	104	170	H
10.429	22.73	AD1	38.3	-21	1.14	41.17	-	-	-	-	-	-	104	170	H
10.441	37.97	PK1	38.4	-21.1	0	55.27	-	-	-	-	68.2	-12.93	204	106	V
10.441	26.46	AD1	38.4	-21.1	1.14	44.9	-	-	-	-	-	-	204	106	V

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

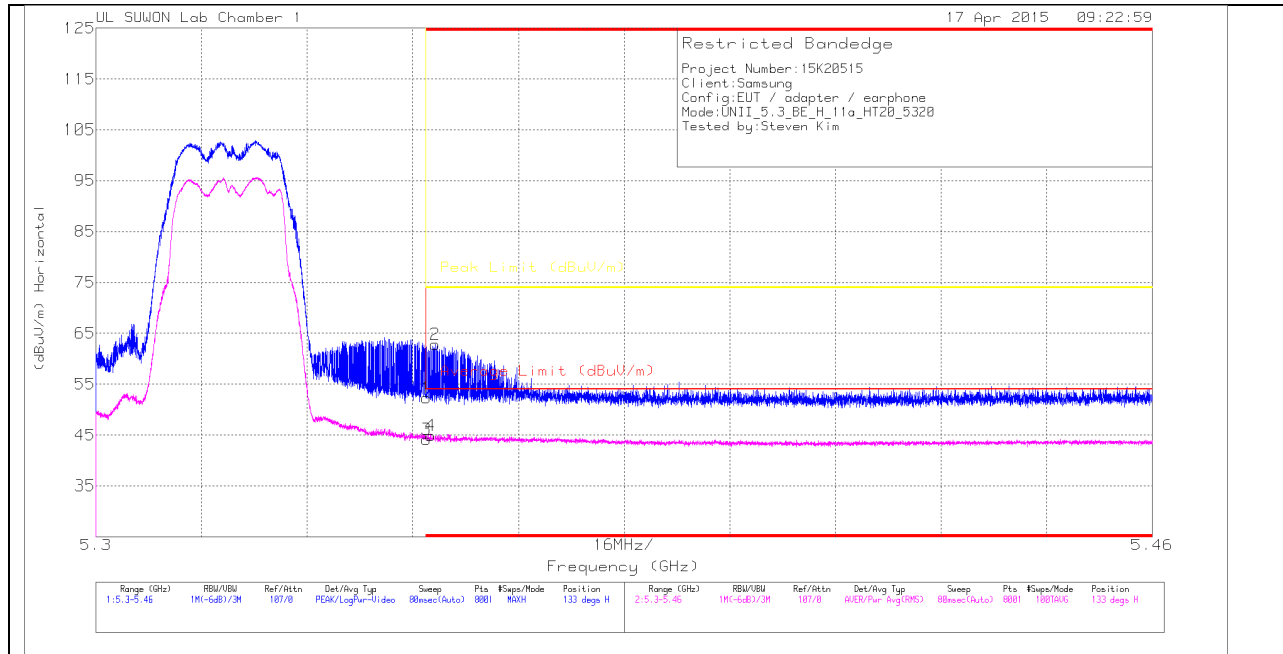
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

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

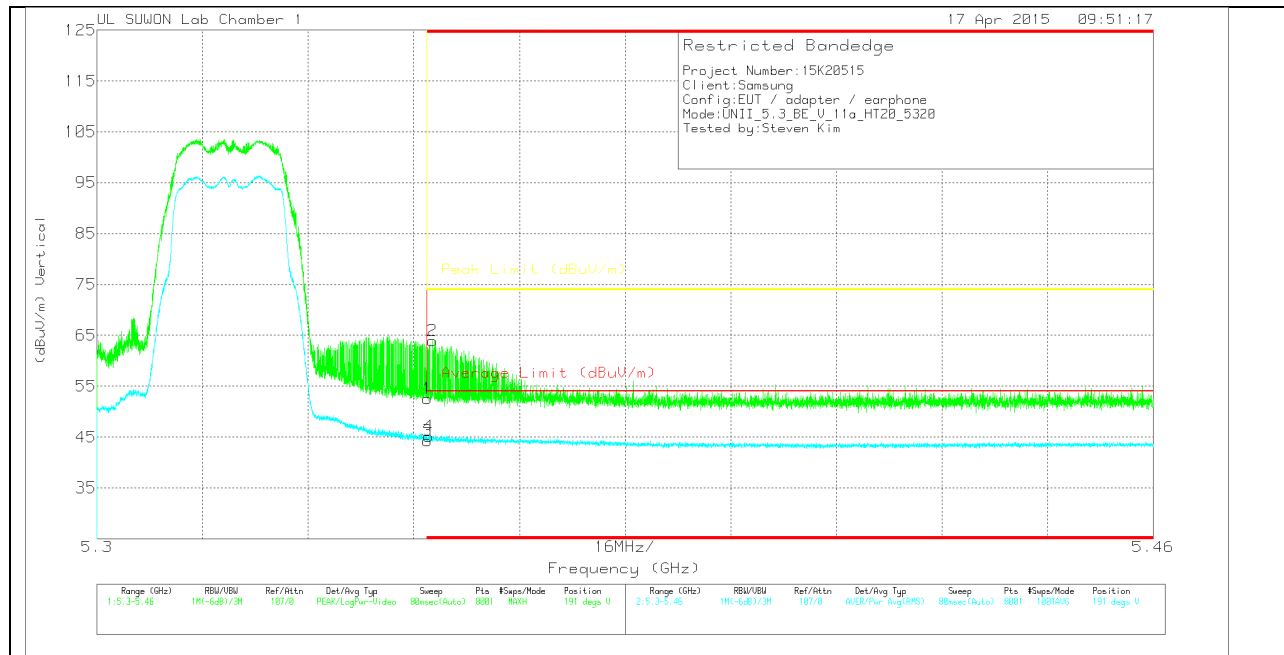
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.63	Pk	33.3	-19.6	0	52.33	-	-	74	-21.67	133	163	H
2	* 5.351	49.12	PK	33.3	-19.6	0	62.82	-	-	74	-11.18	133	163	H
3	* 5.35	30.41	RMS	33.3	-19.6	.3	44.41	54	-9.59	-	-	133	163	H
4	* 5.351	31.22	RMS	33.3	-19.6	.3	45.22	54	-8.78	-	-	133	163	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	38.8	PK	33.3	-19.6	0	52.5	-	-	74	-21.5	191	161	V
2	* 5.351	50.22	PK	33.3	-19.6	0	63.92	-	-	74	-10.08	191	161	V
3	* 5.35	30.55	RMS	33.3	-19.6	.3	44.55	54	-9.45	-	-	191	161	V
4	* 5.35	31.44	RMS	33.3	-19.6	.3	45.44	54	-8.56	-	-	191	161	V

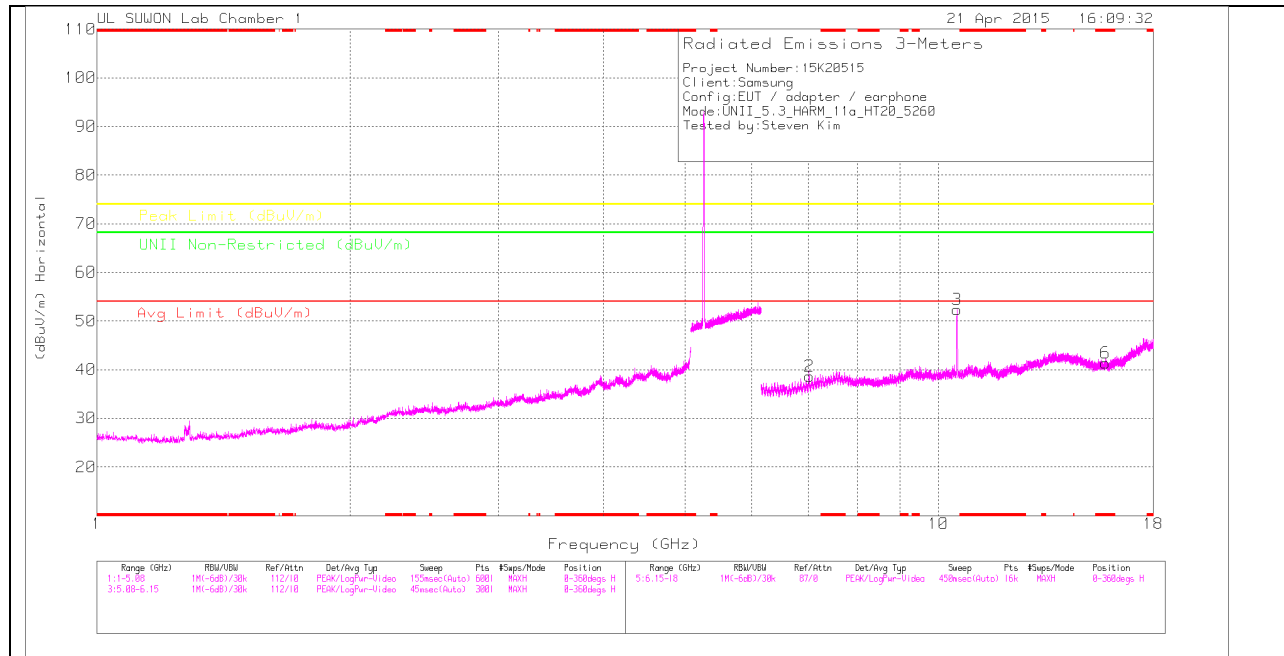
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

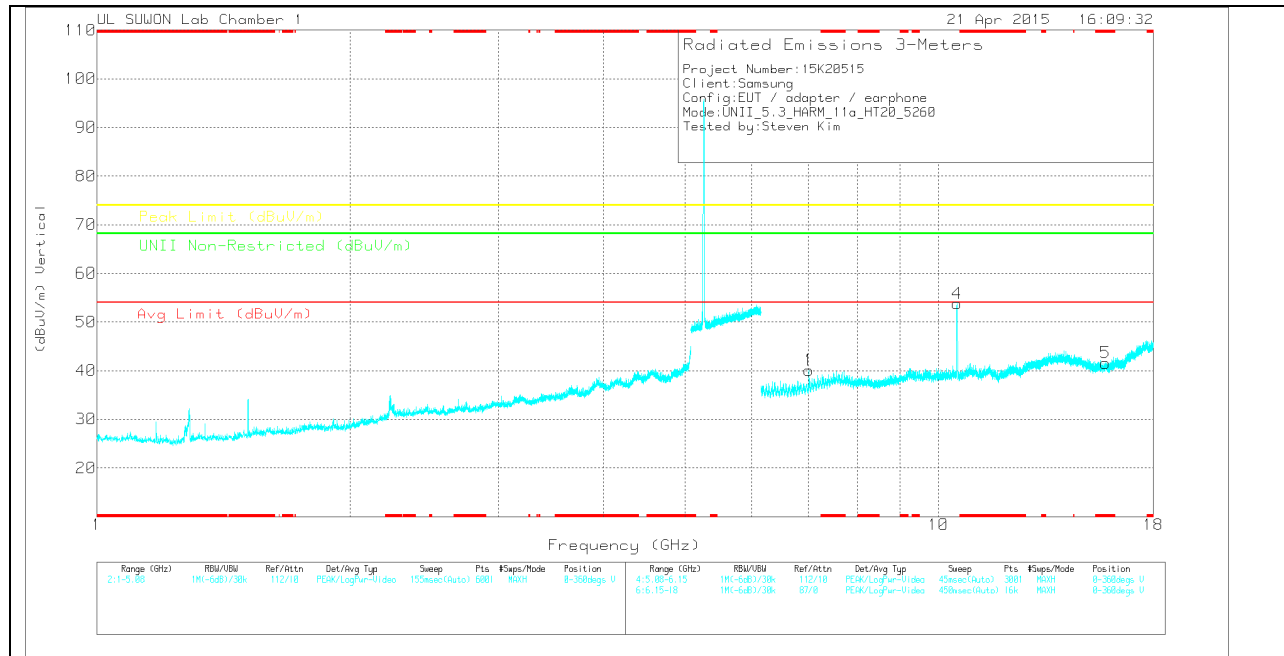
RMS - RMS detection

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
2	7.028	27.62	PK	36.6	-25.6	0	38.62	-	-	-	-	68.2	-29.58	0-360	200	H
3	10.516	35.25	PK	38.4	-21.3	0	52.35	-	-	-	-	68.2	-15.85	0-360	100	H
6	* 15.8	21.58	PK	38.6	-18.8	0	41.38	-	-	74	-32.62	-	-	0-360	100	H
1	7.014	29.05	PK	36.6	-25.6	0	40.05	-	-	-	-	68.2	-28.15	0-360	200	V
4	10.519	36.65	PK	38.4	-21.3	0	53.75	-	-	-	-	68.2	-14.45	0-360	100	V
5	* 15.8	21.76	PK	38.6	-18.8	0	41.56	-	-	74	-32.44	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

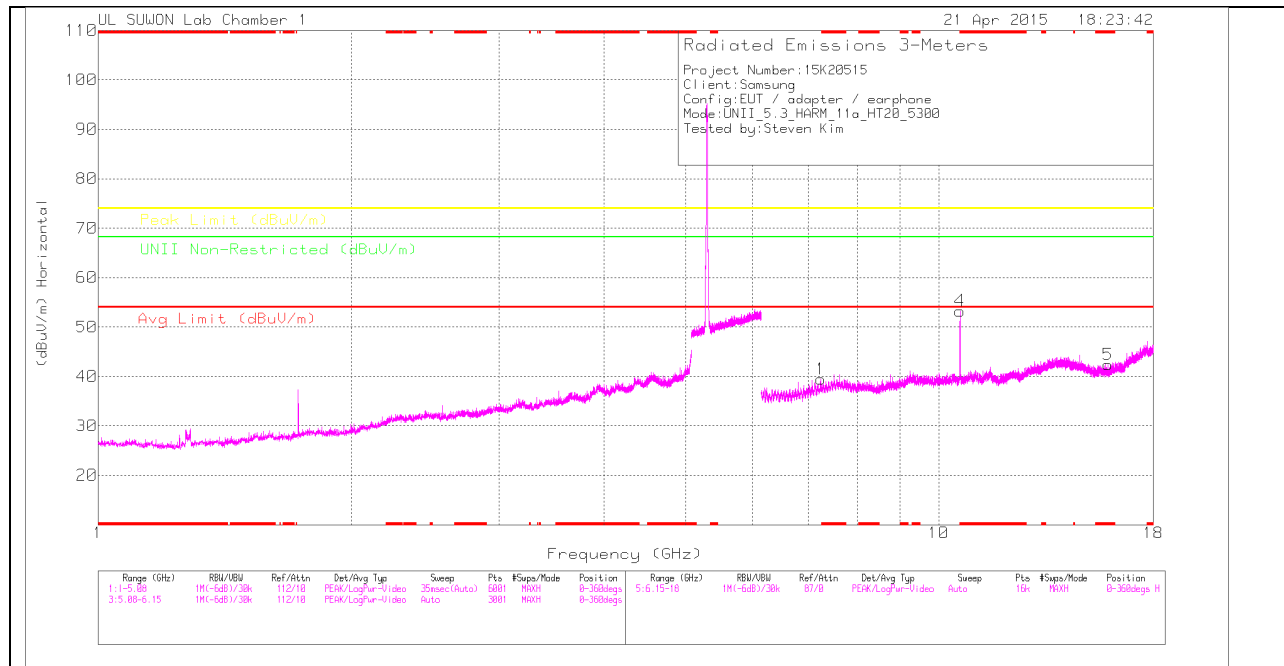
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.519	47.7	PK1	38.4	-21.3	0	64.8	-	-	-	-	68.2	-3.4	124	156	H
10.519	34.82	AD1	38.4	-21.3	.3	52.22	-	-	-	-	-	-	124	156	H
10.519	47.4	PK1	38.4	-21.3	0	64.5	-	-	-	-	68.2	-3.7	179	103	V
10.519	34.14	AD1	38.4	-21.3	.3	51.54	-	-	-	-	-	-	179	103	V

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

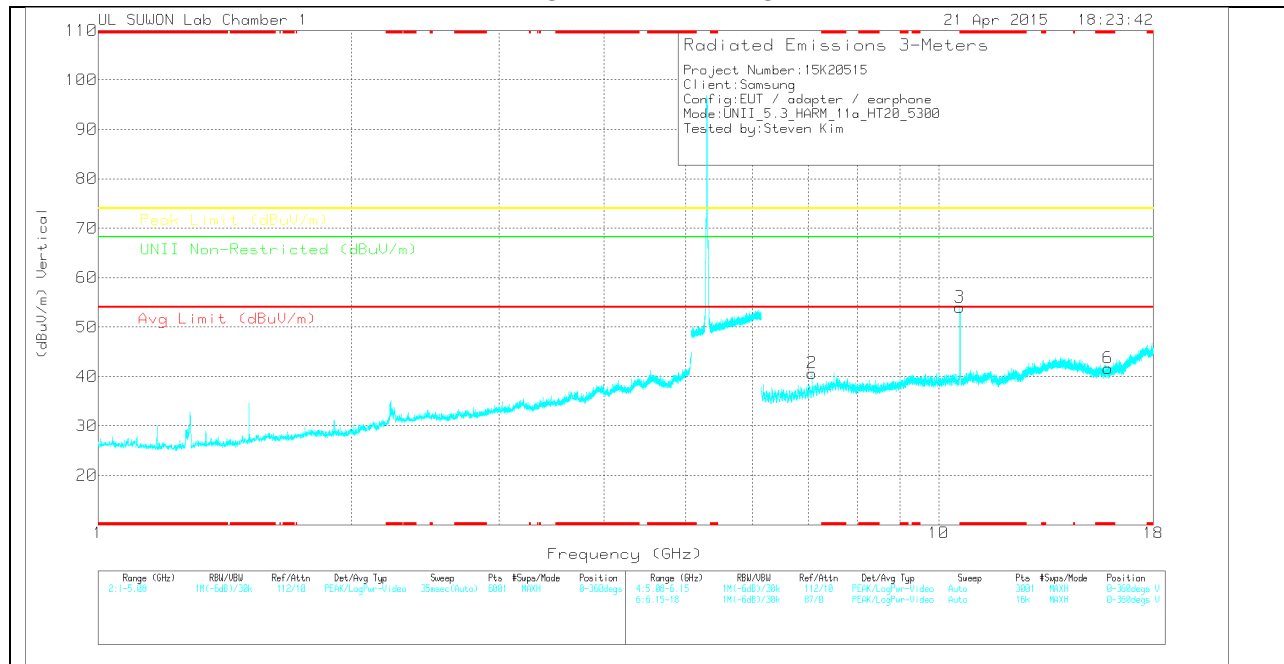
PK1 - KDB789033 Method: Peak

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	7.239	27.87	PK	37	-25.4	0	39.47	-	-	-	-	68.2	-28.73	0-360	200	H
4	* 10.601	35.73	PK	38.4	-20.9	0	53.23	-	-	74	-20.77	-	-	0-360	100	H
5	* 15.901	21.97	PK	38.7	-18.3	0	42.37	-	-	74	-31.63	-	-	0-360	200	H
2	7.067	29.28	PK	36.7	-25.3	0	40.68	-	-	-	-	68.2	-27.52	0-360	200	V
3	10.599	36.53	PK	38.4	-20.9	0	54.03	-	-	-	-	68.2	-14.17	0-360	100	V
6	* 15.904	21.29	PK	38.7	-18.3	0	41.69	-	-	74	-32.31	-	-	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

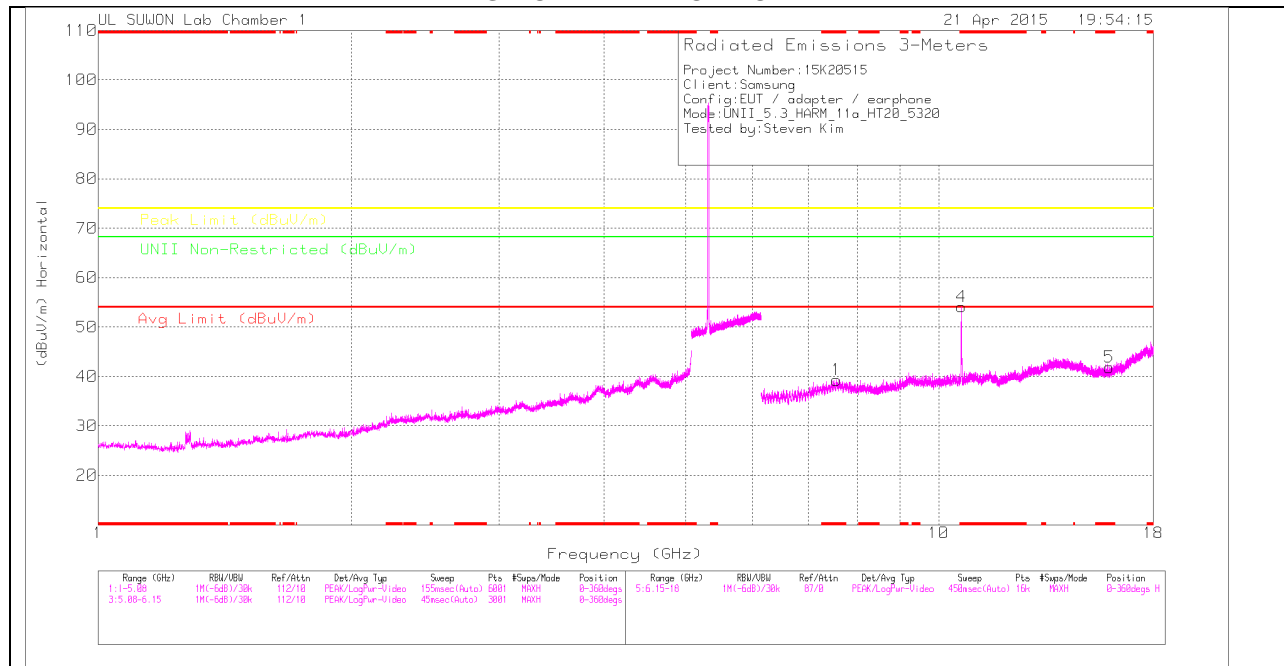
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.599	45.64	PK1	38.4	-20.9	0	63.14	-	-	-	-	68.2	-5.06	108	162	H
10.599	32.82	AD1	38.4	-20.9	0	50.32	-	-	-	-	-	-	108	162	H
* 10.603	44.15	PK1	38.4	-20.8	0	61.75	-	-	74	-12.25	-	-	108	162	H
* 10.604	30.62	AD1	38.4	-20.8	0	48.22	54	-5.78	-	-	-	-	108	162	H
10.598	46.79	PK1	38.4	-20.9	0	64.29	-	-	-	-	68.2	-3.91	224	103	V
10.598	32.69	AD1	38.4	-20.9	0	50.19	-	-	-	-	-	-	224	103	V
* 10.603	40.3	PK1	38.4	-20.8	0	57.9	-	-	74	-16.1	-	-	198	286	V
* 10.603	30.04	AD1	38.4	-20.8	0	47.64	54	-6.36	-	-	-	-	198	286	V

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

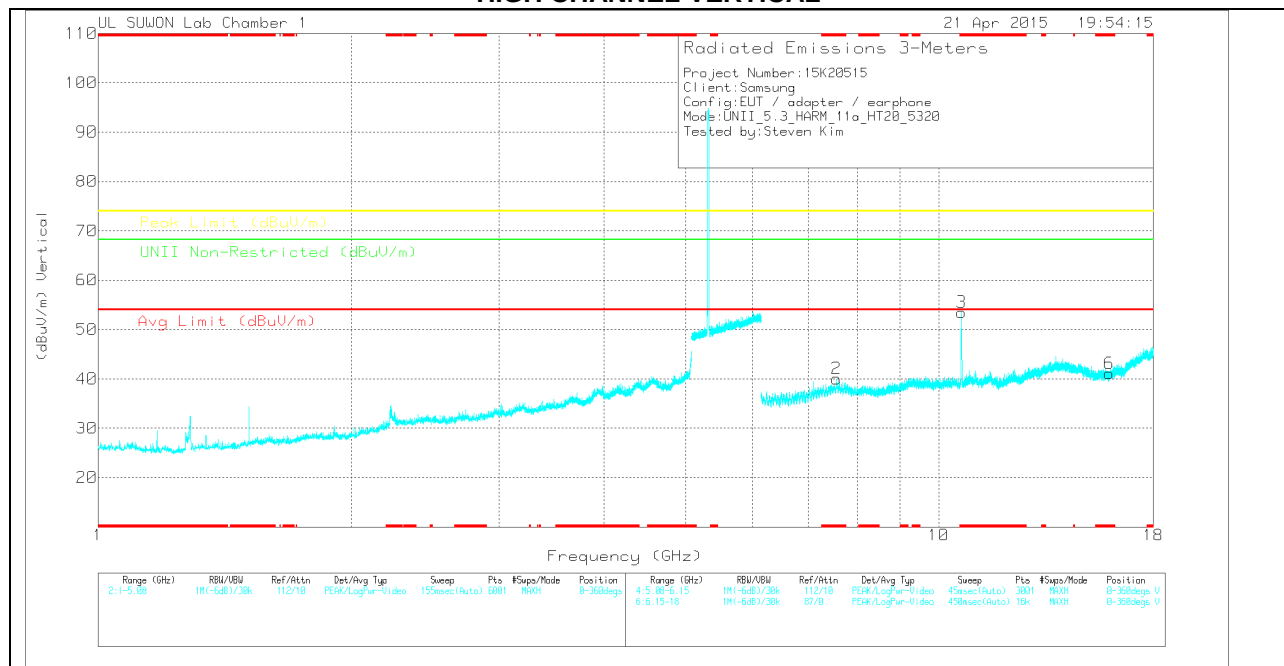
PK1 - KDB789033 Method: Peak

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	* 7.556	26.09	PK	37.4	-24.2	0	39.29	-	-	74	-34.71	-	-	0-360	100	H
4	* 10.642	35.78	PK	38.5	-20.2	0	54.08	-	-	74	-19.92	-	-	0-360	100	H
5	* 15.95	21.95	PK	38.7	-18.8	0	41.85	-	-	74	-32.15	-	-	0-360	100	H
2	* 7.563	27.05	PK	37.3	-24.3	0	40.05	-	-	74	-33.95	-	-	0-360	100	V
3	* 10.639	35.19	PK	38.5	-20.2	0	53.49	-	-	74	-20.51	-	-	0-360	100	V
6	* 15.964	21.12	PK	38.7	-18.7	0	41.12	-	-	74	-32.88	-	-	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
* 10.639	46.33	PK1	38.5	-20.3	0	64.53	-	-	74	-9.47	-	-	126	155	H
* 10.64	31.28	AD1	38.5	-20.2	.3	49.88	54	-4.12	-	-	-	-	126	155	H

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

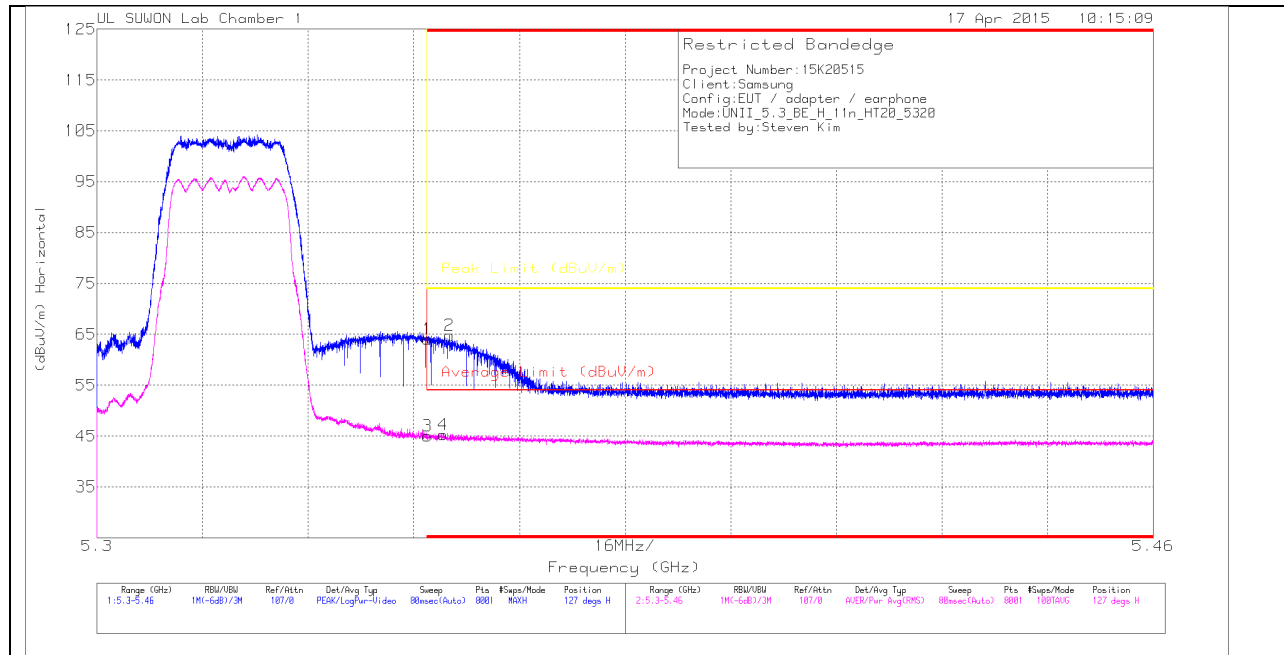
PK1 - KDB789033 Method: Peak

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

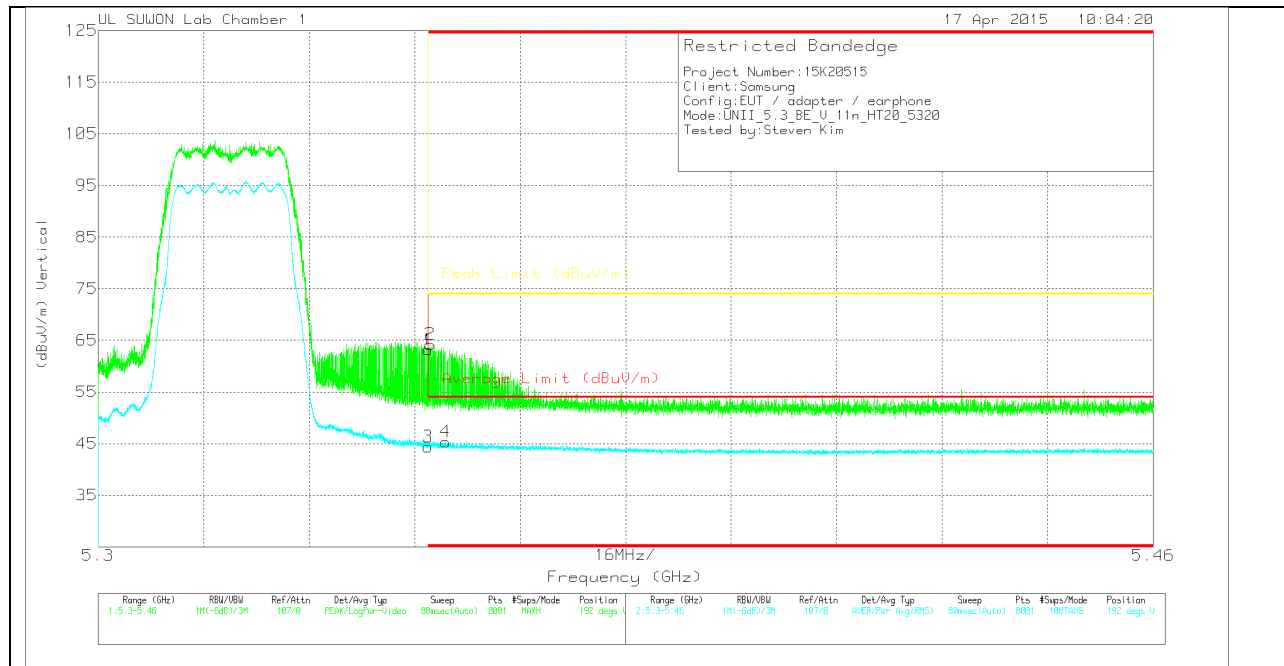
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	50.37	PK	33.3	-19.6	0	64.07	-	-	74	-9.93	127	192	H
2	* 5.353	51.04	PK	33.3	-19.6	0	64.74	-	-	74	-9.26	127	192	H
3	* 5.35	31.3	RMS	33.3	-19.6	.31	45.31	54	-8.69	-	-	127	192	H
4	* 5.352	31.52	RMS	33.3	-19.6	.31	45.53	54	-8.47	-	-	127	192	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	49.53	PK	33.3	-19.6	0	63.23	-	-	74	-10.77	192	157	V
2	* 5.35	50.54	PK	33.3	-19.6	0	64.24	-	-	74	-9.76	192	157	V
3	* 5.35	30.67	RMS	33.3	-19.6	.31	44.68	54	-9.32	-	-	192	157	V
4	* 5.353	31.66	RMS	33.3	-19.6	.31	45.67	54	-8.33	-	-	192	157	V

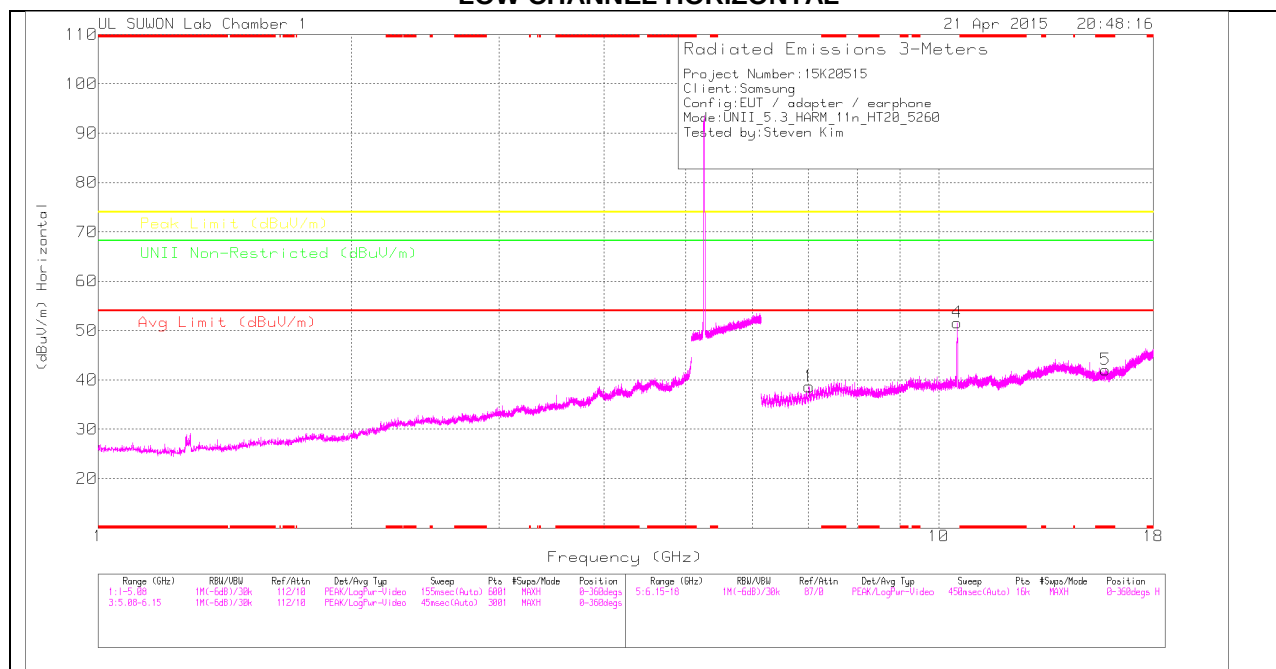
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

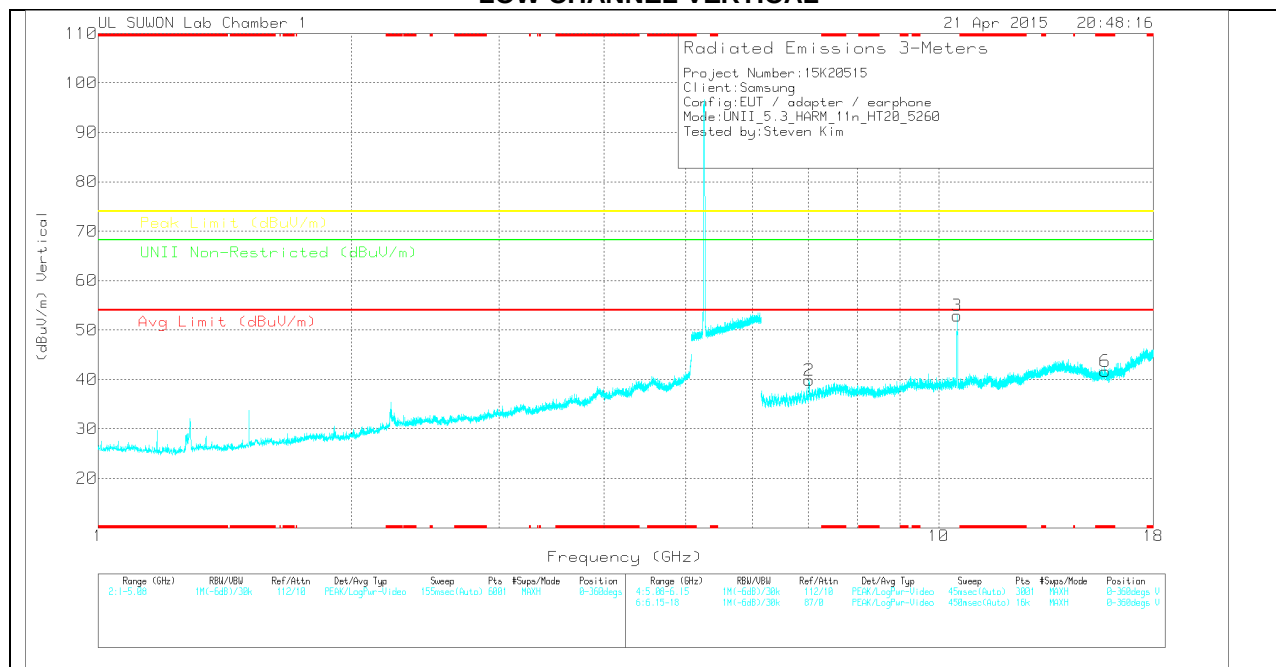
RMS - RMS detection

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	7.013	27.66	PK	36.6	-25.6	0	38.66	-	-	-	-	68.2	-29.54	0-360	200	H
4	10.518	34.52	PK	38.4	-21.3	0	51.62	-	-	-	-	68.2	-16.58	0-360	100	H
5	* 15.782	22.67	PK	38.6	-19.2	0	42.07	-	-	74	-31.93	-	-	0-360	200	H
2	7.013	28.82	PK	36.6	-25.6	0	39.82	-	-	-	-	68.2	-28.38	0-360	200	V
3	10.522	35.82	PK	38.4	-21.3	0	52.92	-	-	-	-	68.2	-15.28	0-360	100	V
6	* 15.779	22.25	PK	38.6	-19.2	0	41.65	-	-	74	-32.35	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

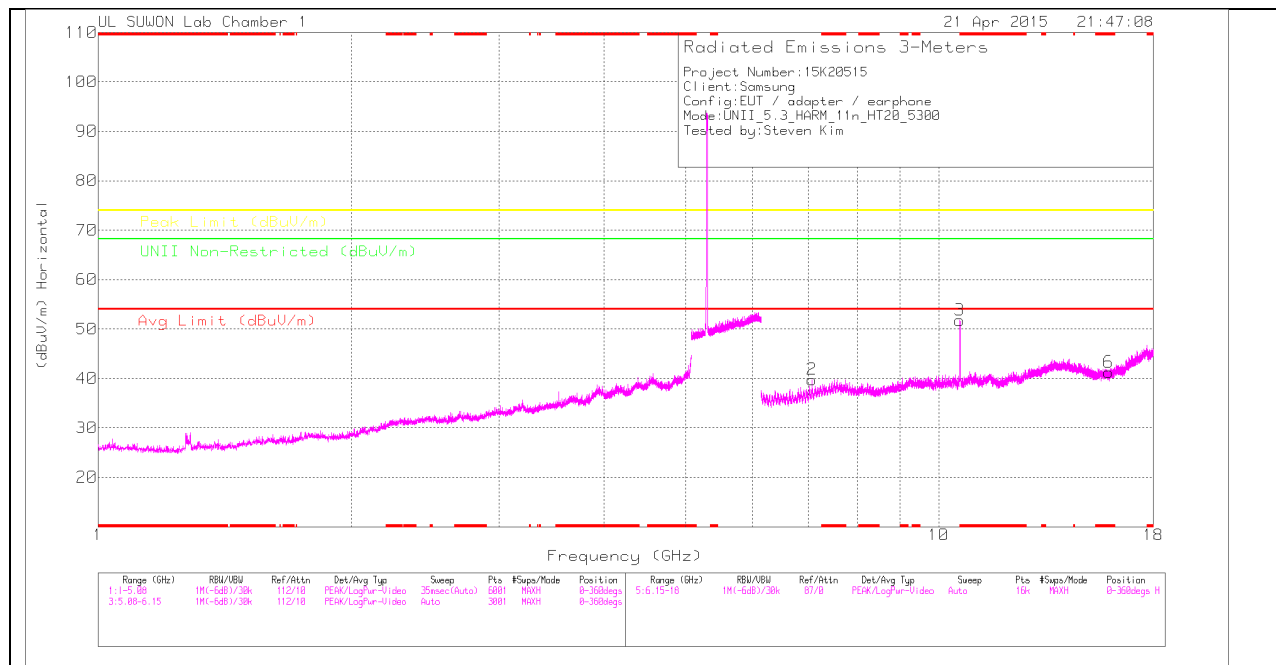
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.522	45	PK1	38.4	-21.3	0	62.1	-	-	-	-	68.2	-6.1	123	148	H
10.519	32.76	AD1	38.4	-21.3	.31	50.17	-	-	-	-	-	-	123	148	H
10.517	47.53	PK1	38.4	-21.3	0	64.63	-	-	-	-	68.2	-3.57	167	103	V
10.519	34.32	AD1	38.4	-21.3	.31	51.73	-	-	-	-	-	-	167	103	V

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

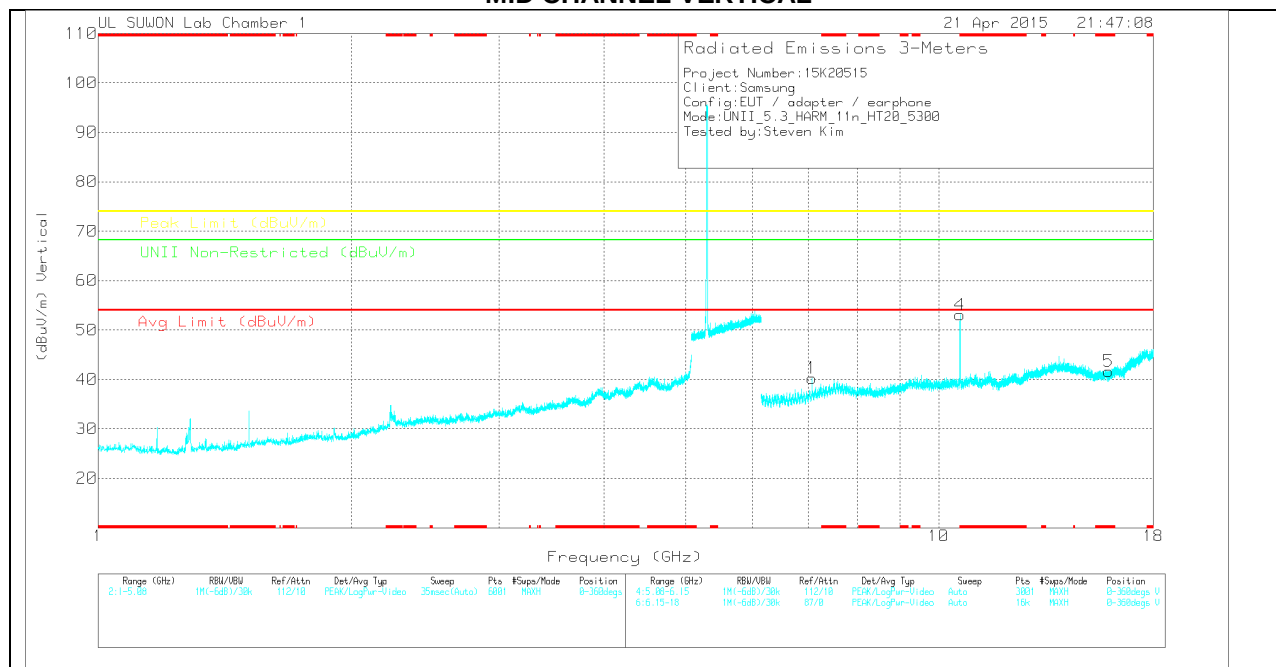
PK1 - KDB789033 Method: Peak

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_5G 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	7.066	28.39	PK	36.7	-25.3	0	39.79	-	-	-	-	68.2	-28.41	0-360	200	H
3	10.598	34.27	PK	38.4	-20.9	0	51.77	-	-	-	-	68.2	-16.43	0-360	100	H
6	* 15.919	20.97	PK	38.7	-18.4	0	41.27	-	-	74	-32.73	-	-	0-360	100	H
1	7.066	28.87	PK	36.7	-25.3	0	40.27	-	-	-	-	68.2	-27.93	0-360	200	V
4	* 10.602	35.45	PK	38.4	-20.8	0	53.05	-	-	74	-20.95	-	-	0-360	100	V
5	* 15.916	21.35	PK	38.7	-18.4	0	41.65	-	-	74	-32.35	-	-	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

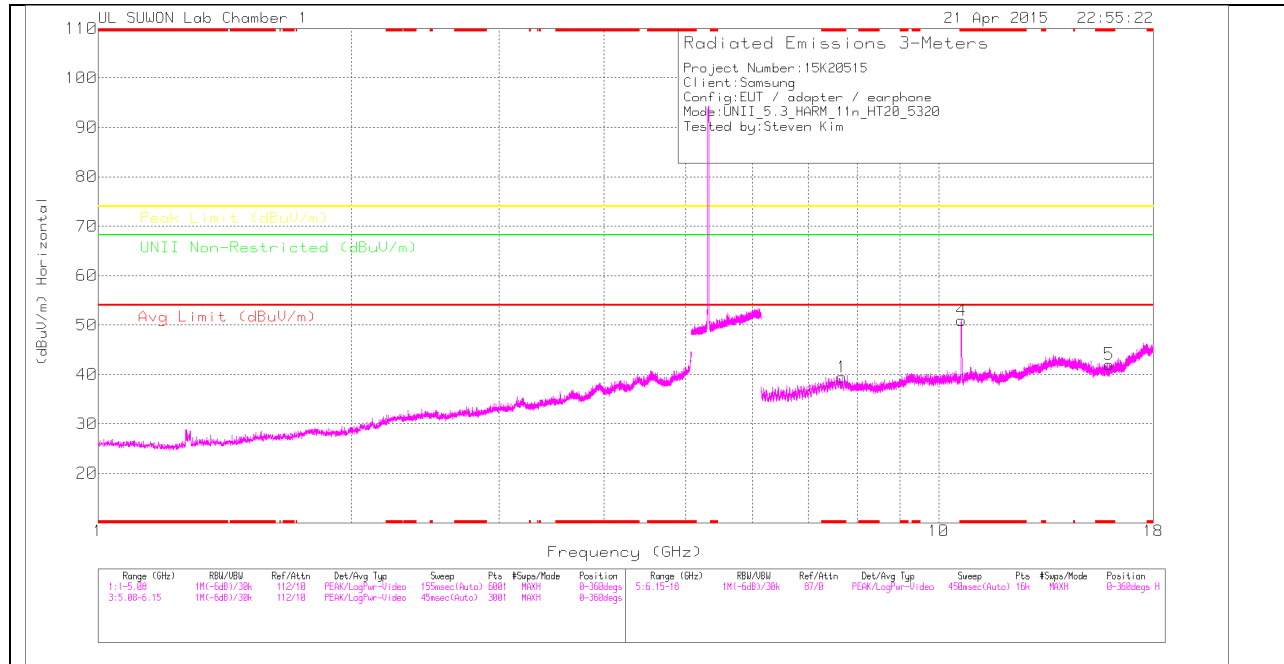
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_5GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.599	46.27	PK1	38.4	-20.9	0	63.77	-	-	-	-	68.2	-4.43	160	232	H
10.599	33.06	AD1	38.4	-20.9	.31	50.87	-	-	-	-	-	-	160	232	H
* 10.602	45.86	PK1	38.4	-20.8	0	63.46	-	-	74	-10.54	-	-	160	232	H
* 10.602	29.64	AD1	38.4	-20.8	.31	47.55	54	-6.45	-	-	-	-	160	232	H
* 10.602	36.63	PK1	38.4	-20.8	0	54.23	-	-	74	-19.77	-	-	198	286	V
* 10.602	27.78	AD1	38.4	-20.8	.31	45.69	54	-8.31	-	-	-	-	198	286	V
10.599	46.94	PK1	38.4	-20.9	0	64.44	-	-	-	-	68.2	-3.76	161	101	V
10.599	33.49	AD1	38.4	-20.9	.31	51.3	-	-	-	-	-	-	161	101	V

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

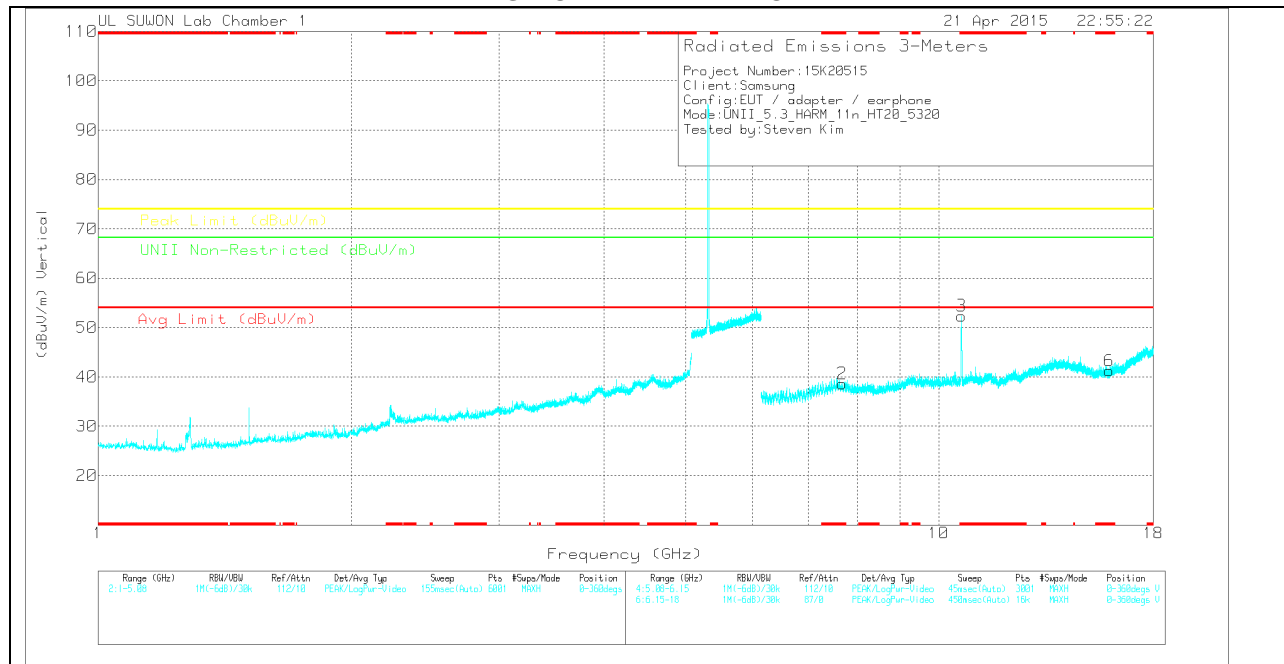
PK1 - KDB789033 Method: Peak

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	* 7.682	26.64	PK	37.3	-24.5	0	39.44	-	-	74	-34.56	-	-	0-360	200	H
4	* 10.639	32.59	PK	38.5	-20.2	0	50.89	-	-	74	-23.11	-	-	0-360	100	H
5	* 15.962	22.04	PK	38.7	-18.7	0	42.04	-	-	74	-31.96	-	-	0-360	200	H
2	* 7.679	25.81	PK	37.3	-24.5	0	38.61	-	-	74	-35.39	-	-	0-360	200	V
3	* 10.639	34.05	PK	38.5	-20.2	0	52.35	-	-	74	-21.65	-	-	0-360	100	V
6	* 15.957	21.34	PK	38.7	-18.8	0	41.24	-	-	74	-32.76	-	-	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
* 10.637	43.84	PK1	38.5	-20.3	0	62.04	-	-	74	-11.96	-	-	130	153	H
* 10.64	32.25	AD1	38.5	-20.2	.31	50.86	54	-3.14	-	-	-	-	130	153	H
* 10.635	43.98	PK1	38.5	-20.3	0	62.18	-	-	74	-11.82	-	-	194	101	V
* 10.64	29.64	AD1	38.5	-20.2	.31	48.25	54	-5.75	-	-	-	-	194	101	V

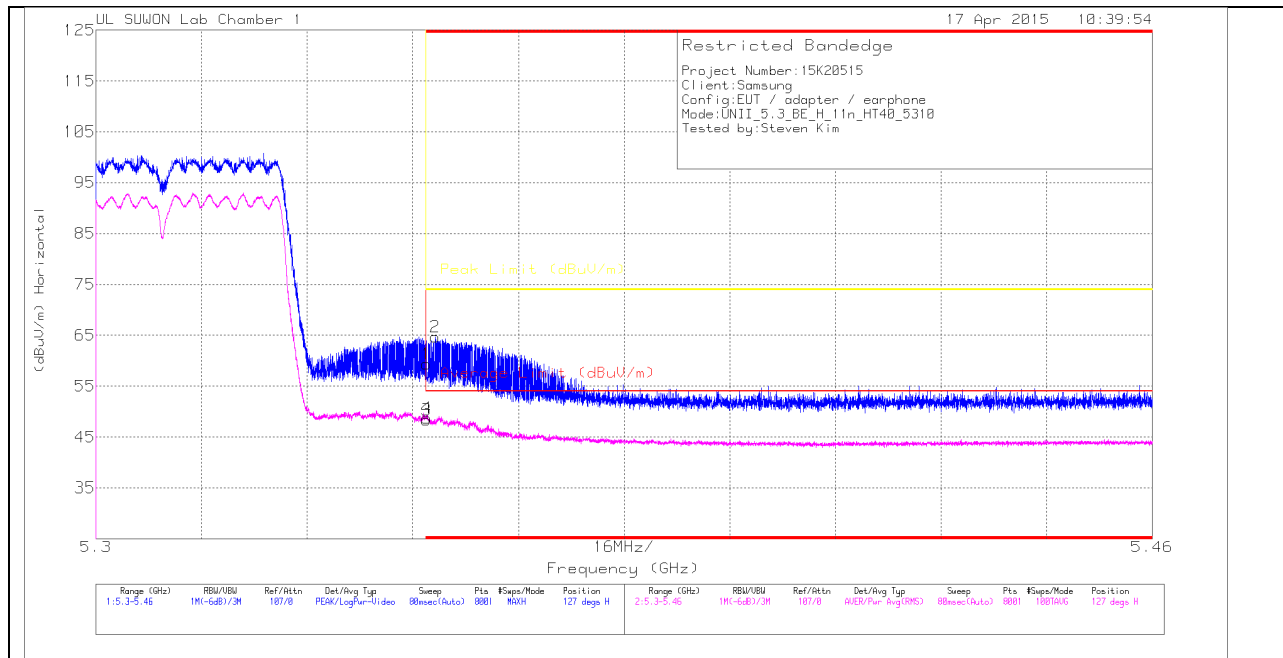
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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

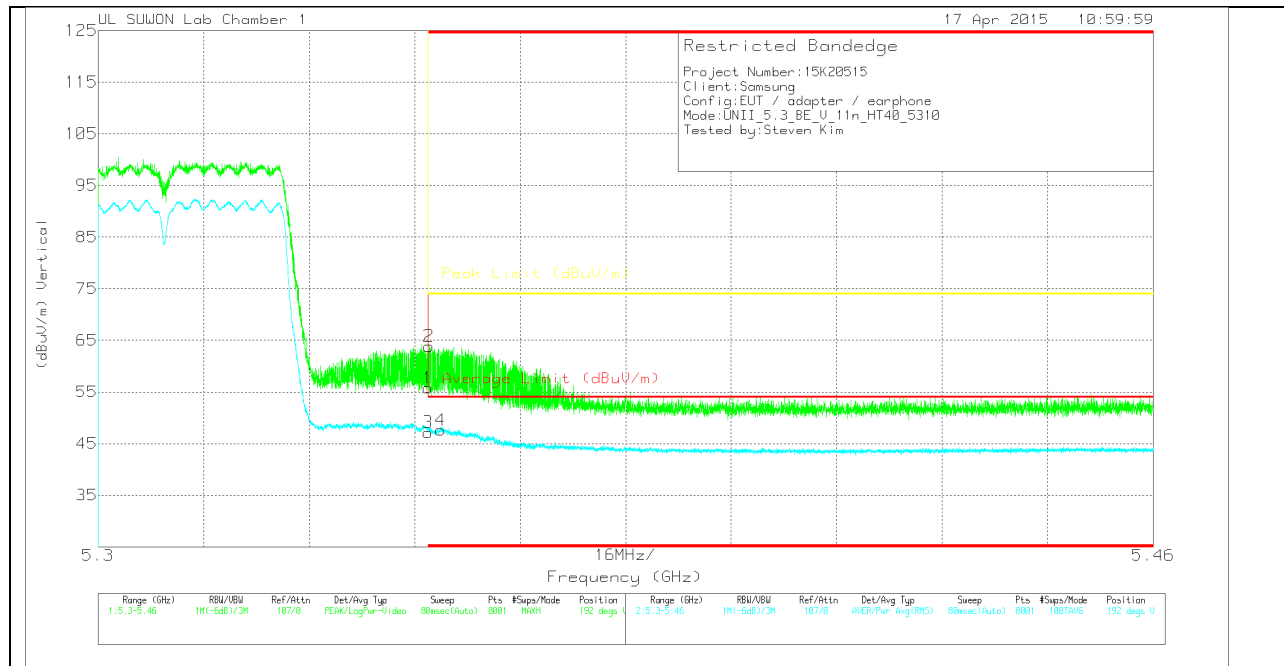
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	45.7	PK	33.3	-19.6	0	59.4	-	-	74	-14.6	127	181	H
2	* 5.351	50.99	PK	33.3	-19.6	0	64.69	-	-	74	-9.31	127	181	H
3	* 5.35	34.69	RMS	33.3	-19.6	.61	49	54	-5	-	-	127	181	H
4	* 5.35	35.04	RMS	33.3	-19.6	.61	49.35	54	-4.65	-	-	127	181	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	42.09	PK	33.3	-19.6	0	55.79	-	-	74	-18.21	192	163	V
2	* 5.35	50.16	PK	33.3	-19.6	0	63.86	-	-	74	-10.14	192	163	V
3	* 5.35	33.46	RMS	33.3	-19.6	.61	47.77	54	-6.23	-	-	192	163	V
4	* 5.352	33.92	RMS	33.3	-19.6	.61	48.23	54	-5.77	-	-	192	163	V

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

PK - Peak detector

RMS - RMS detection