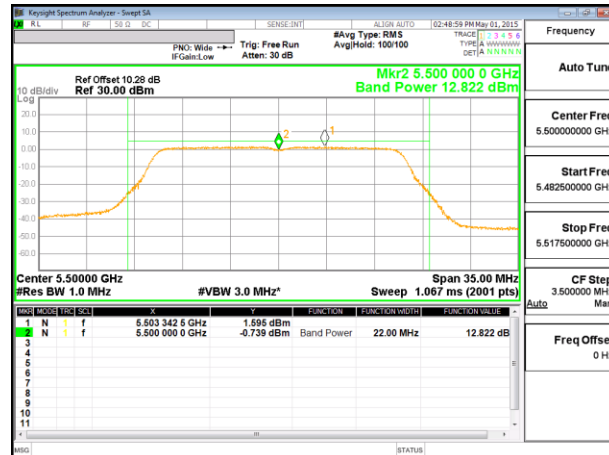


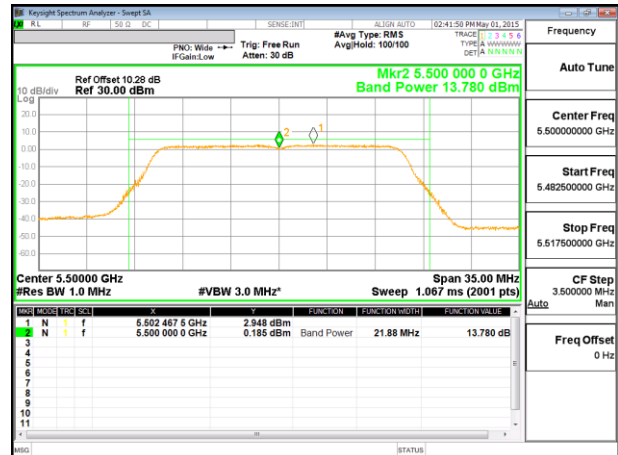
UNII 5.5 GHz



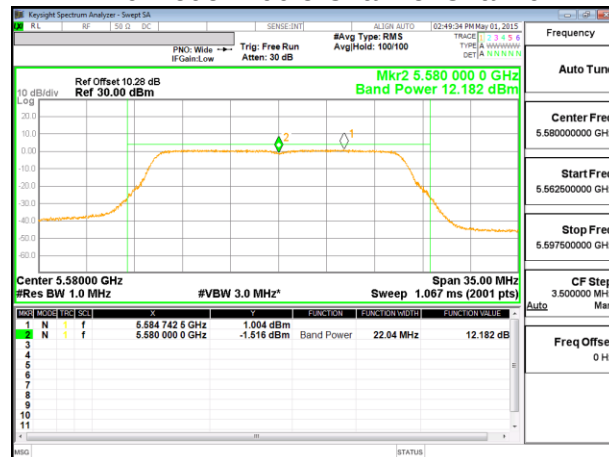
11n HT20 Mode Low Channel Chain 0



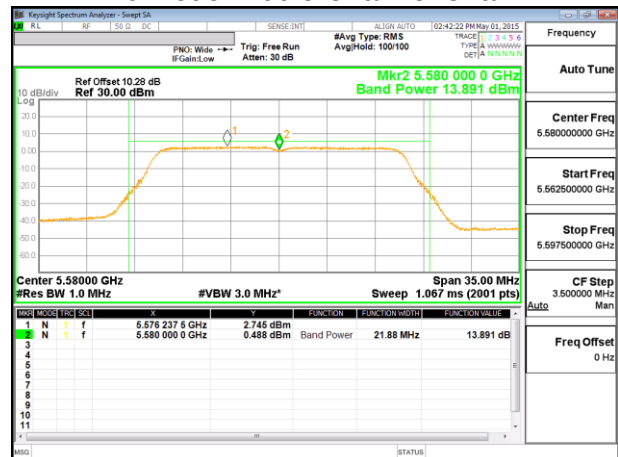
11n HT20 Mode Low Channel Chain 1



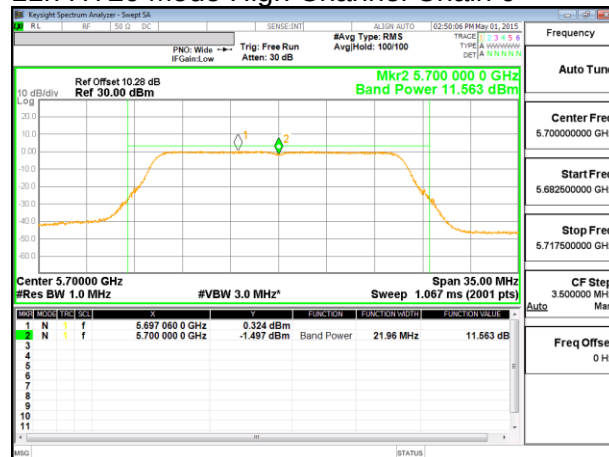
11n HT20 Mode Middle Channel Chain 0



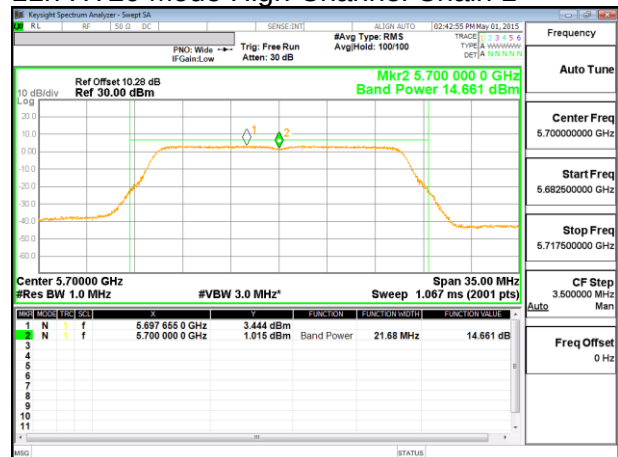
11n HT20 Mode Middle Channel Chain 1

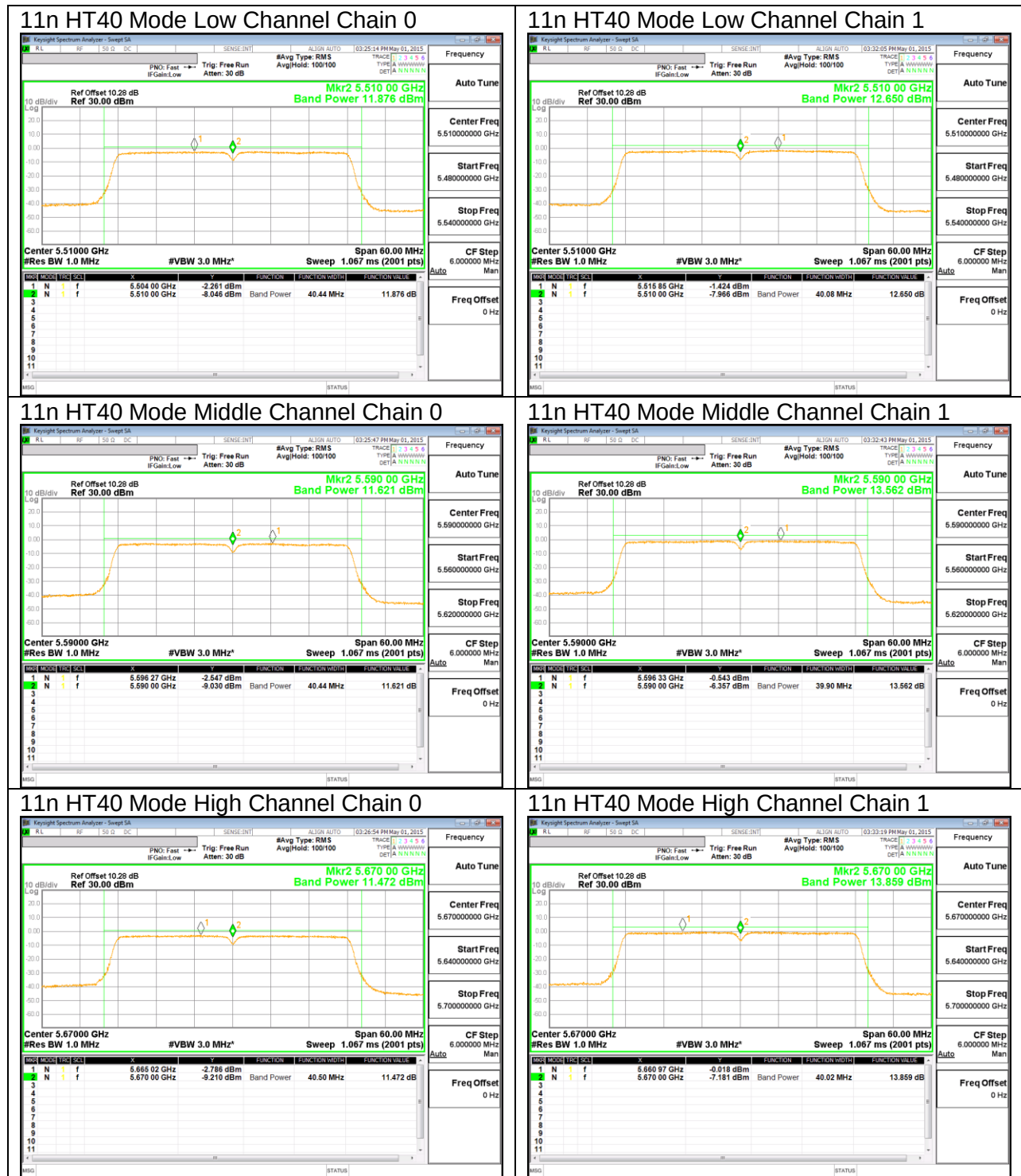


11n HT20 Mode High Channel Chain 0

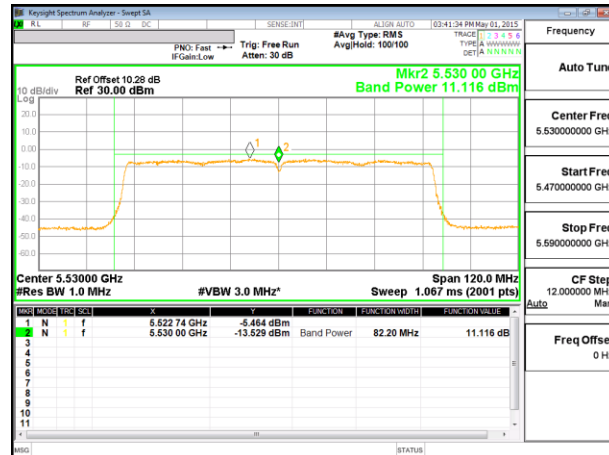


11n HT20 Mode High Channel Chain 1

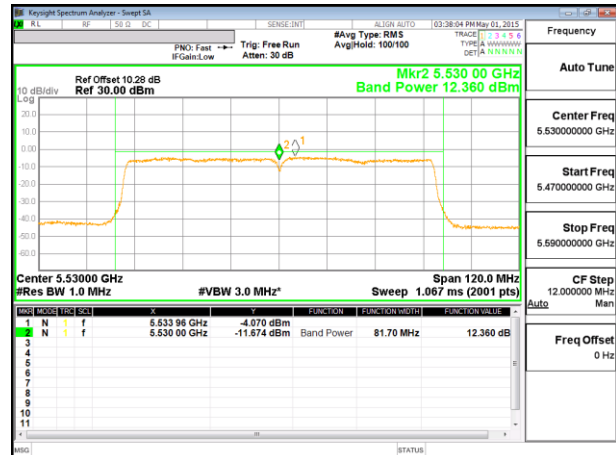




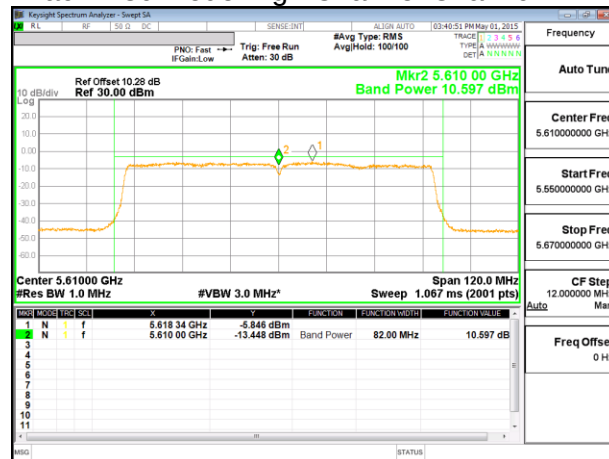
11ac HT80 Mode Low Channel Chain 0



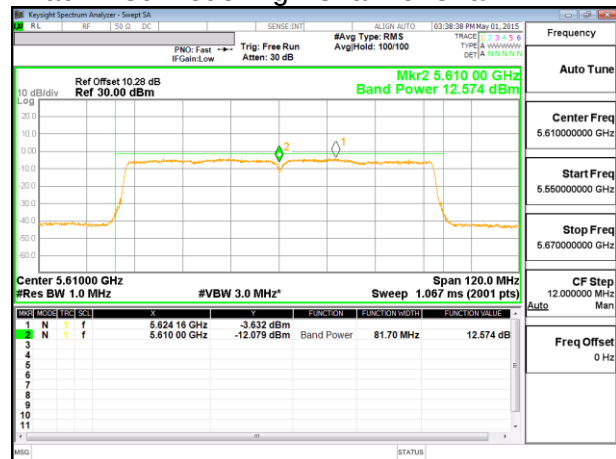
11ac HT80 Mode Low Channel Chain 1



11ac HT80 Mode High Channel Chain 0



11ac HT80 Mode High Channel Chain 1

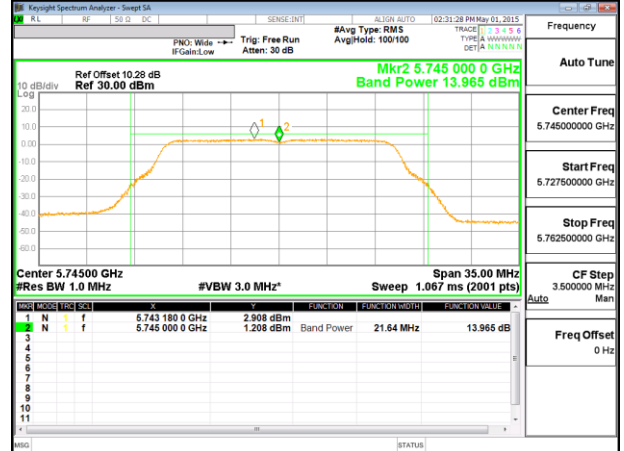


UNII 5.8 GHz

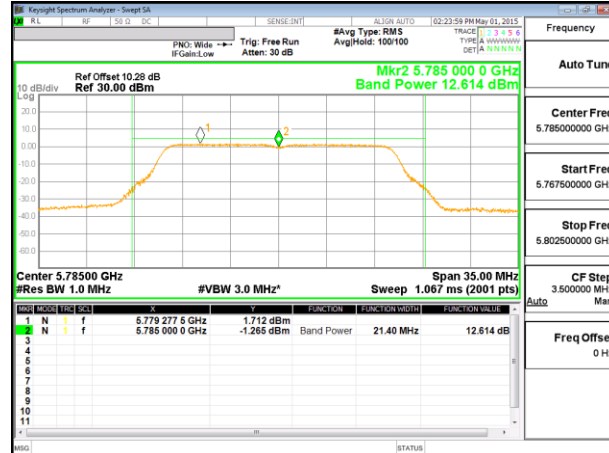
11a Mode Low Channel Chain 0



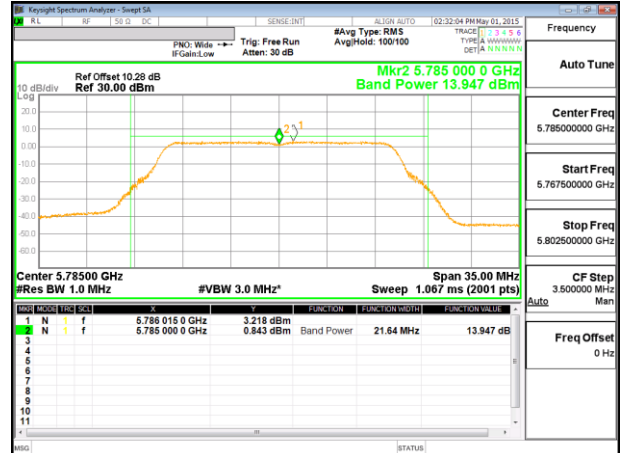
11a Mode Low Channel Chain 1



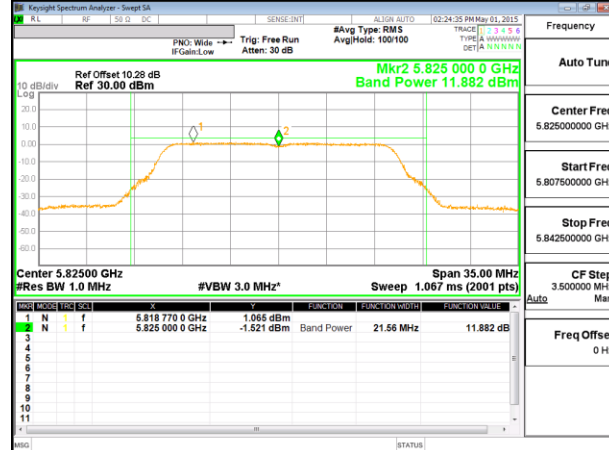
11a Mode Middle Channel Chain 0



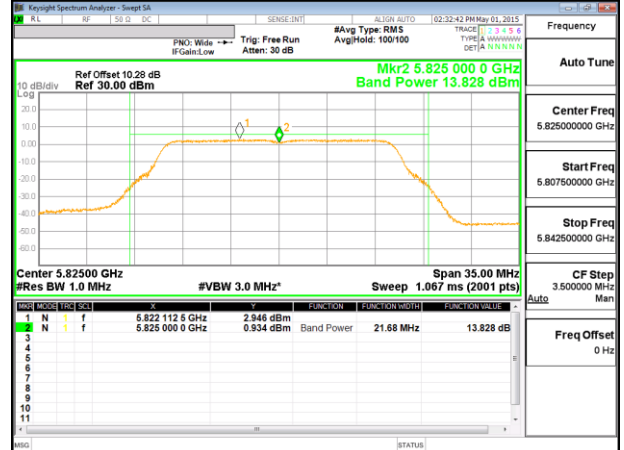
11a Mode Middle Channel Chain 1



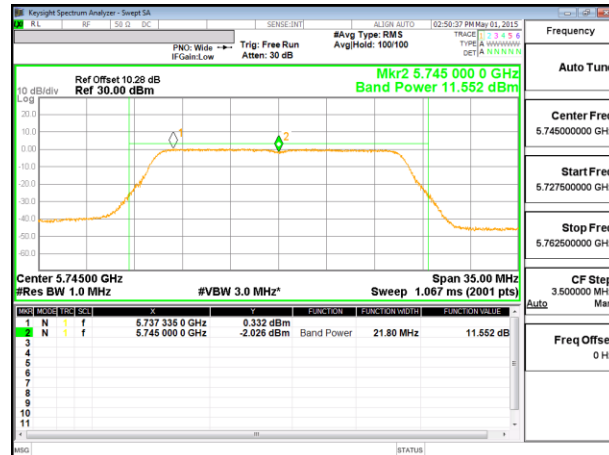
11a Mode High Channel Chain 0



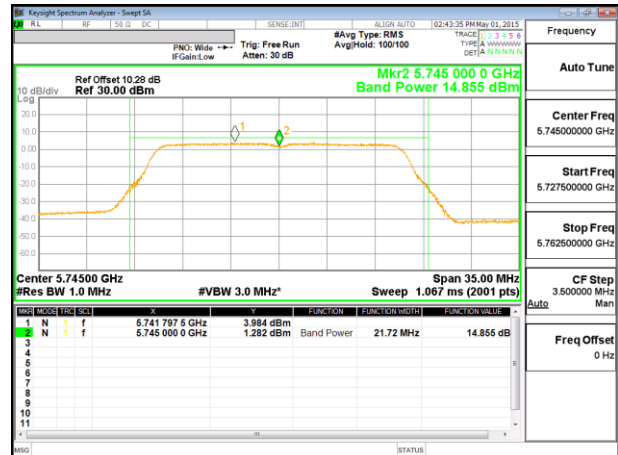
11a Mode High Channel Chain 1



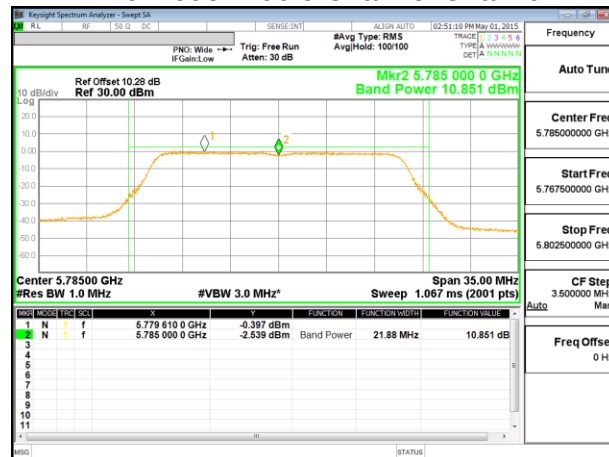
11n HT20 Mode Low Channel Chain 0



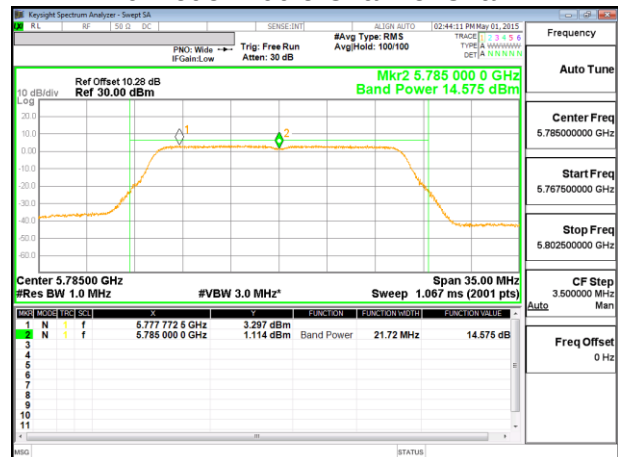
11n HT20 Mode Low Channel Chain 1



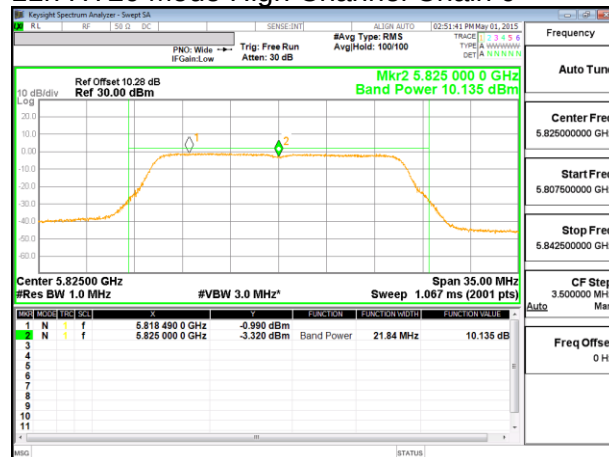
11n HT20 Mode Middle Channel Chain 0



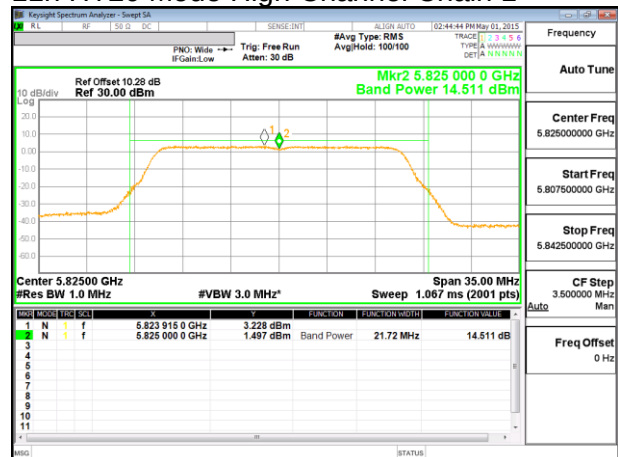
11n HT20 Mode Middle Channel Chain 1

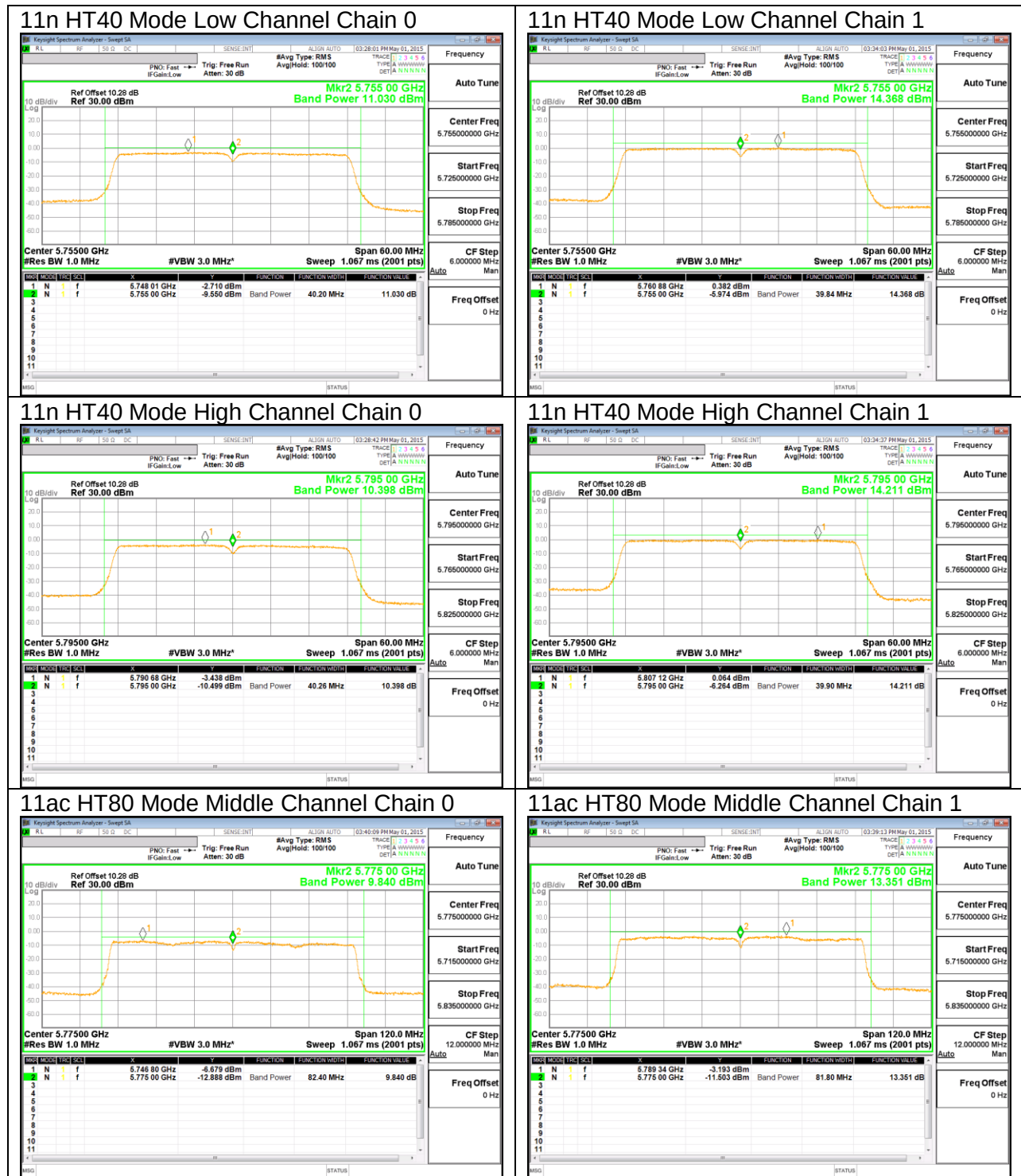


11n HT20 Mode High Channel Chain 0



11n HT20 Mode High Channel Chain 1





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.

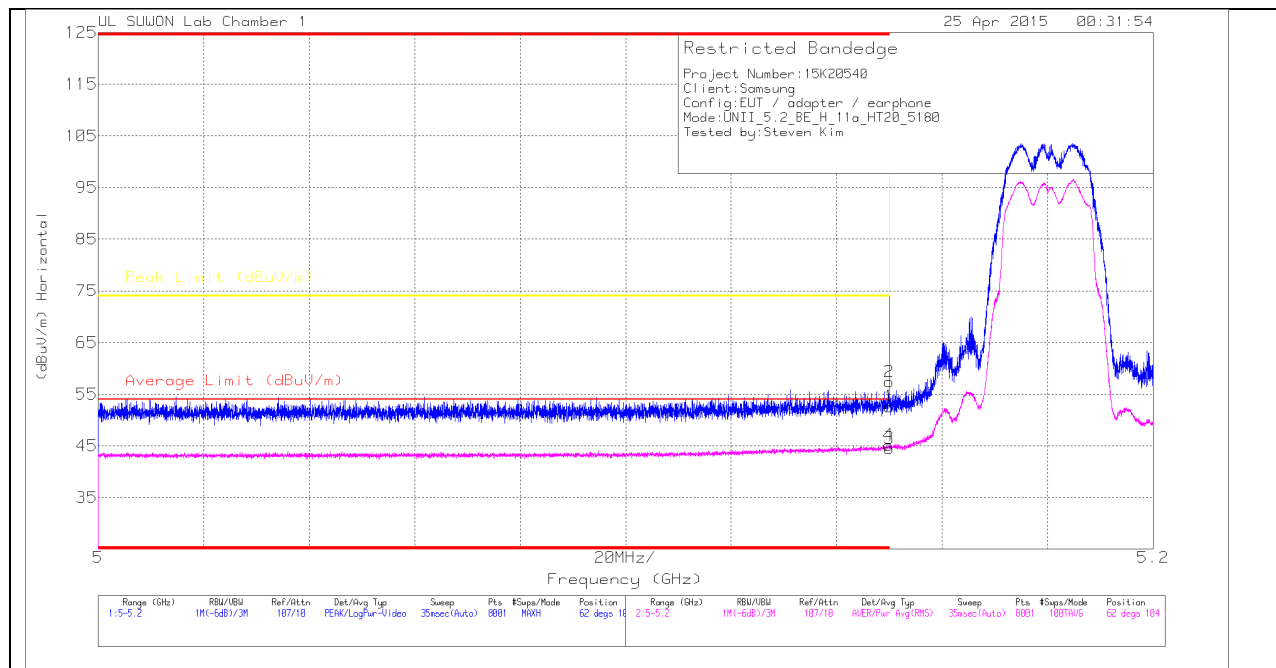
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

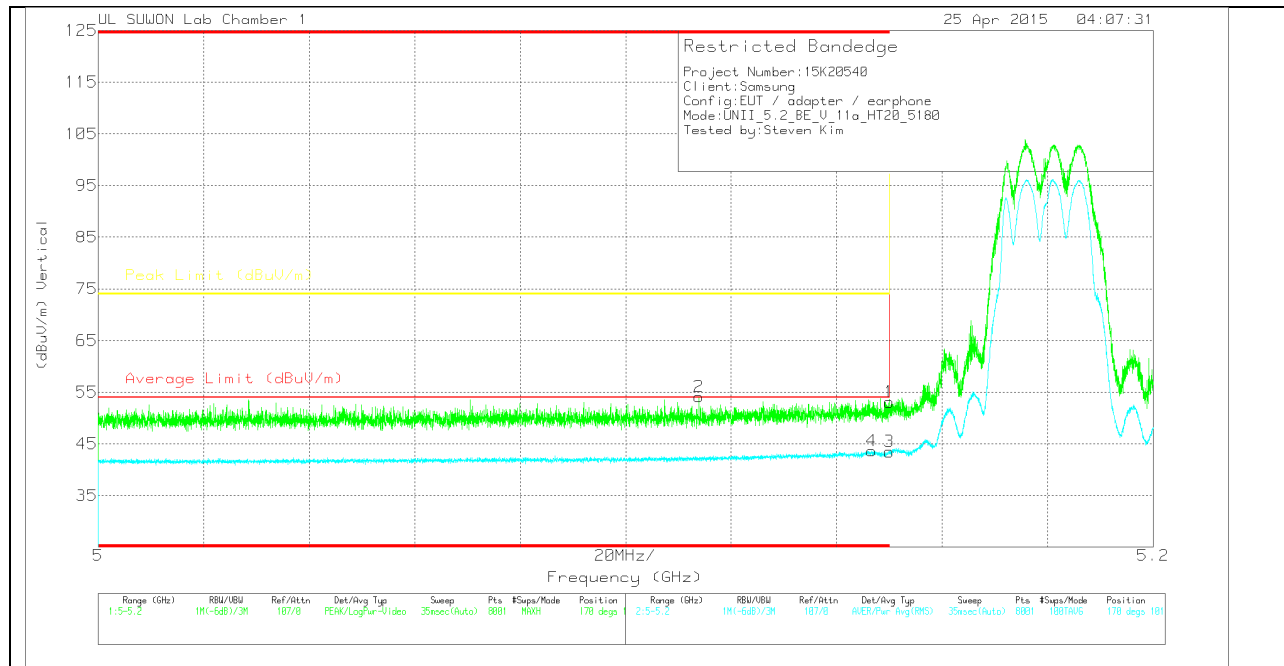
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10 dB	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.31	Pk	32.7	-19.4	52.61	-	-	74	-21.39	62	104	H
2	* 5.15	44.12	Pk	32.7	-19.4	57.42	-	-	74	-16.58	62	104	H
3	* 5.15	31.25	RMS	32.7	-19.4	44.55	54	-9.45	-	-	62	104	H
4	* 5.15	31.85	RMS	32.7	-19.4	45.15	54	-8.85	-	-	62	104	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	39.82	Pk	32.7	-19.4	0	53.12	-	-	74	-20.88	170	101	V
2	* 5.114	41	Pk	32.6	-19.5	0	54.1	-	-	74	-19.9	170	101	V
3	* 5.15	29.89	RMS	32.7	-19.4	.31	43.5	54	-10.5	-	-	170	101	V
4	* 5.147	30.04	RMS	32.7	-19.4	.31	43.65	54	-10.35	-	-	170	101	V

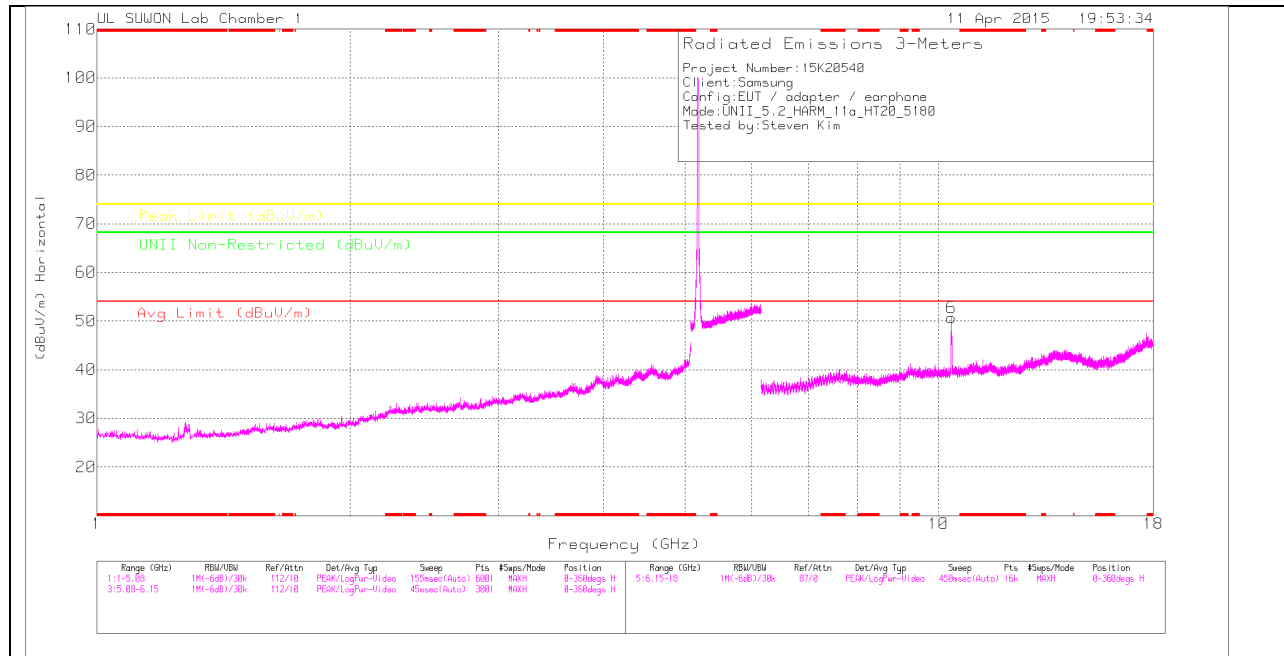
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

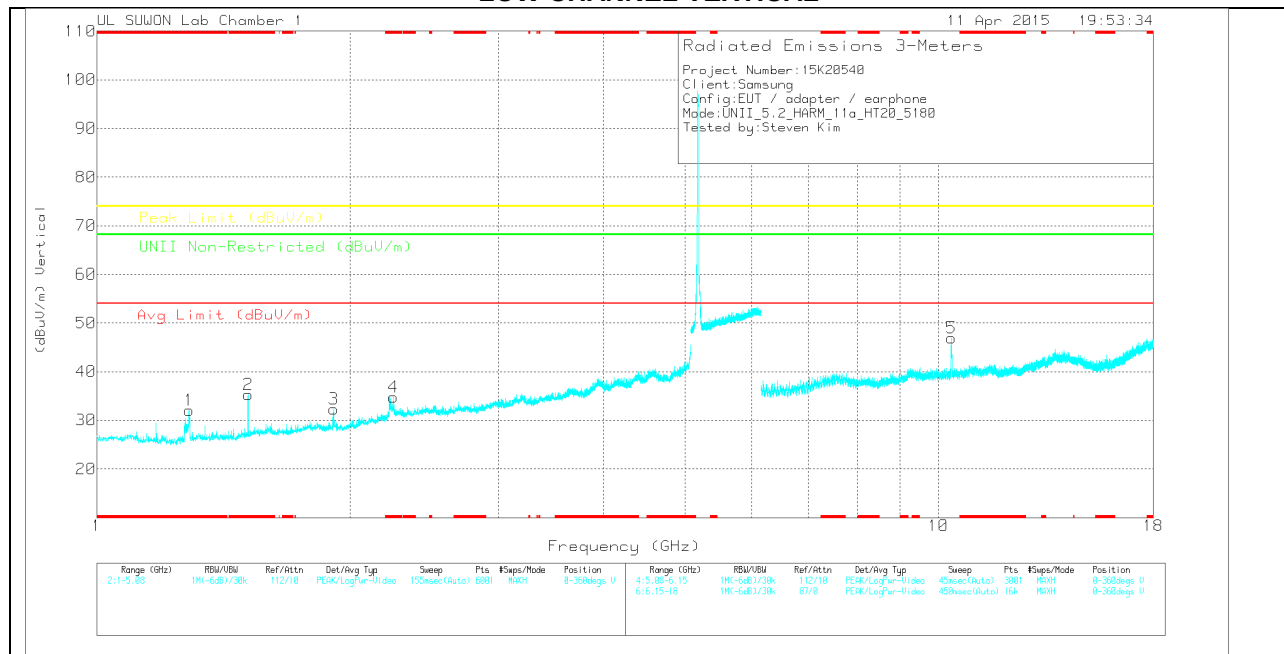
RMS - RMS detection

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	41.89	PK	23.8	-33.6	0	32.09	-	-	74	-41.91	-	-	0-360	100	V
2	* 1.512	44.21	PK	24.6	-33.5	0	35.31	-	-	74	-38.69	-	-	0-360	100	V
3	1.911	39.93	PK	25.4	-33	0	32.33	-	-	-	-	68.2	-35.87	0-360	100	V
4	* 2.251	39.01	PK	27.8	-32	0	34.81	-	-	74	-39.19	-	-	0-360	100	V
6	10.358	33.33	PK	38.3	-21	0	50.63	-	-	-	-	68.2	-17.57	0-360	100	H
5	10.361	29.55	PK	38.3	-20.9	0	46.95	-	-	-	-	68.2	-21.25	0-360	200	V

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

PK – Peak detector

Radiated Emissions

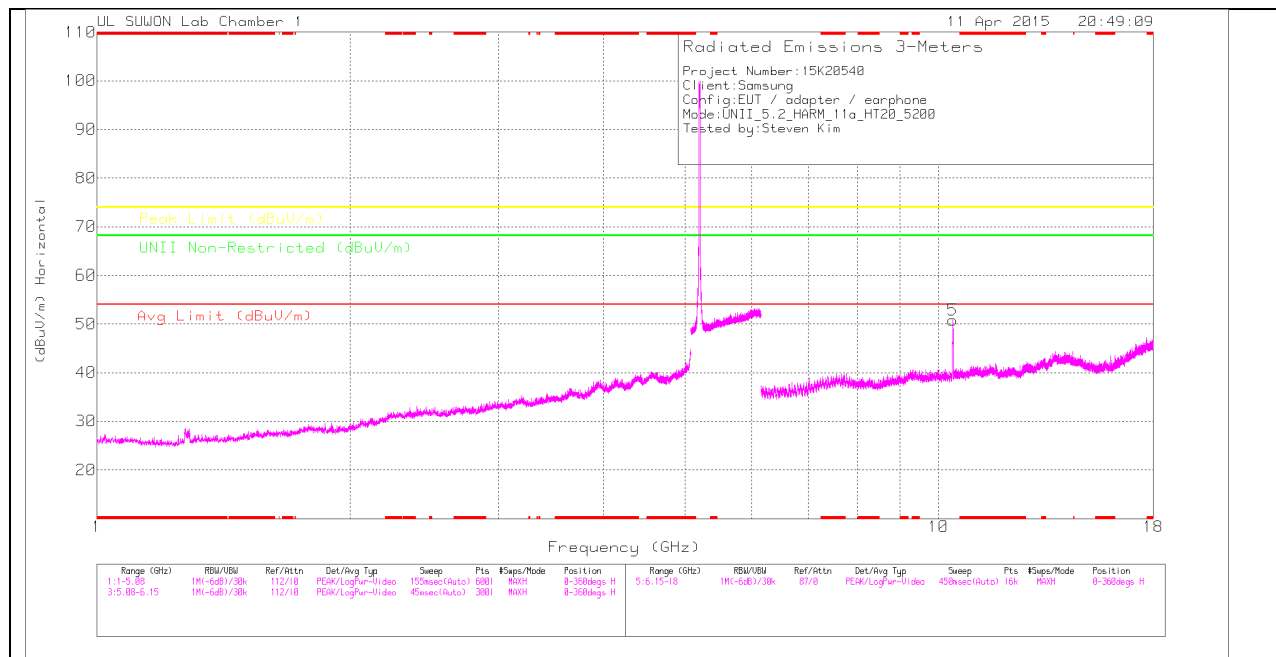
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.359	43.6	PK1	38.3	-21	0	60.9	-	-	-	-	68.2	-7.3	72	180	H
10.357	29.44	AD1	38.3	-21	.31	47.05	-	-	-	-	-	-	72	180	H

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

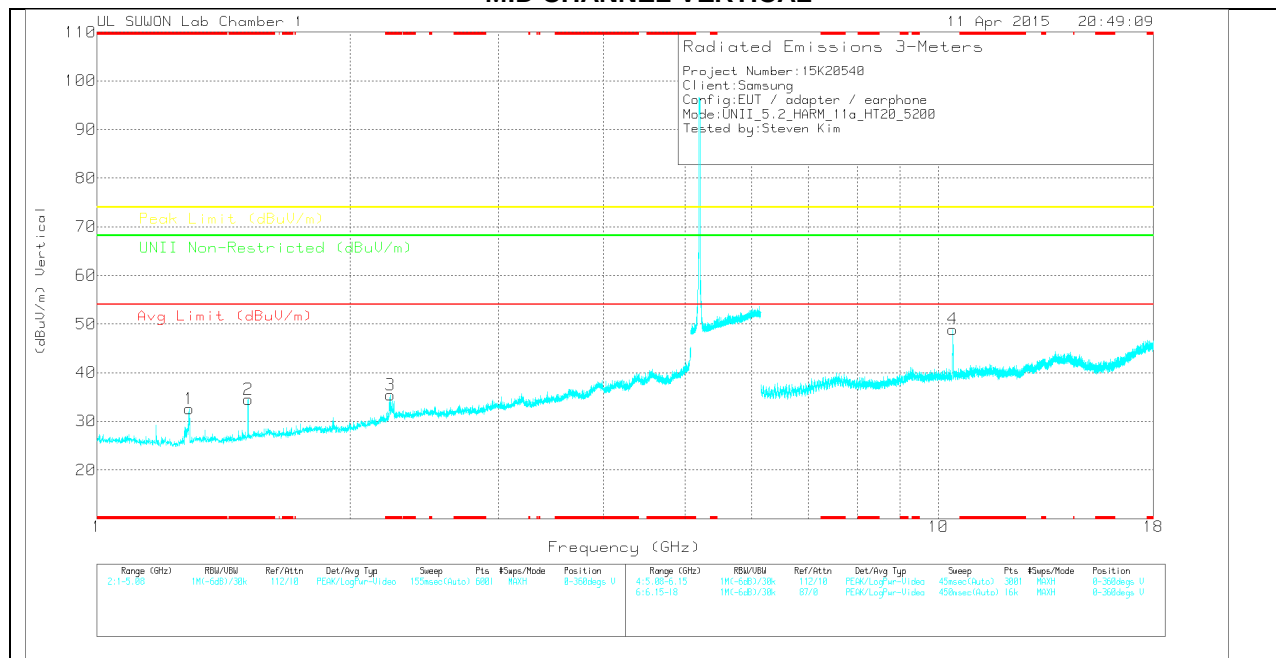
PK1 - KDB789033 Method: Peak

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_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	42.32	PK	23.8	-33.6	0	32.52	-	-	74	-41.48	-	-	0-360	100	V
2	* 1.512	43.42	PK	24.6	-33.5	0	34.52	-	-	74	-39.48	-	-	0-360	100	V
3	* 2.23	39.88	PK	27.6	-32.1	0	35.38	-	-	74	-38.62	-	-	0-360	100	V
5	10.402	33.16	PK	38.3	-20.6	0	50.86	-	-	-	-	68.2	-17.34	0-360	100	H
4	10.402	31.23	PK	38.3	-20.6	0	48.93	-	-	-	-	68.2	-19.27	0-360	100	V

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

PK – Peak detector

Radiated Emissions

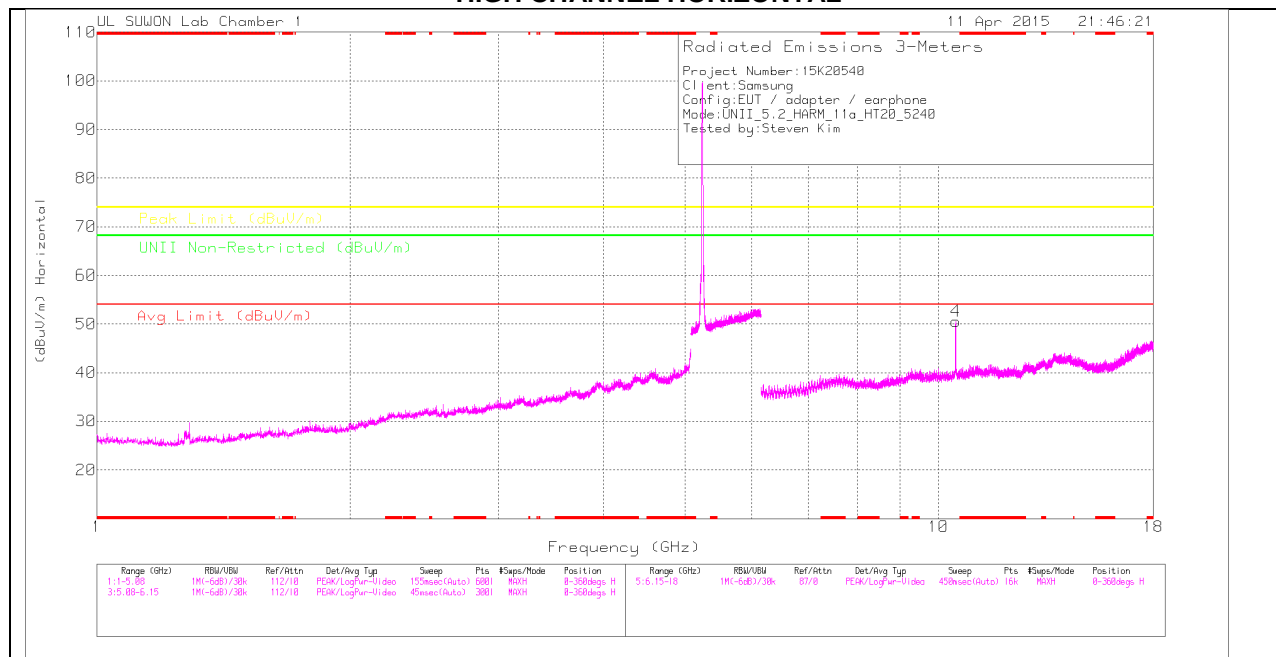
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.398	46.1	PK1	38.3	-20.6	0	63.8	-	-	-	-	68.2	-4.4	71	162	H
10.402	34.38	AD1	38.3	-20.6	.31	52.39	-	-	-	-	-	-	71	162	H

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

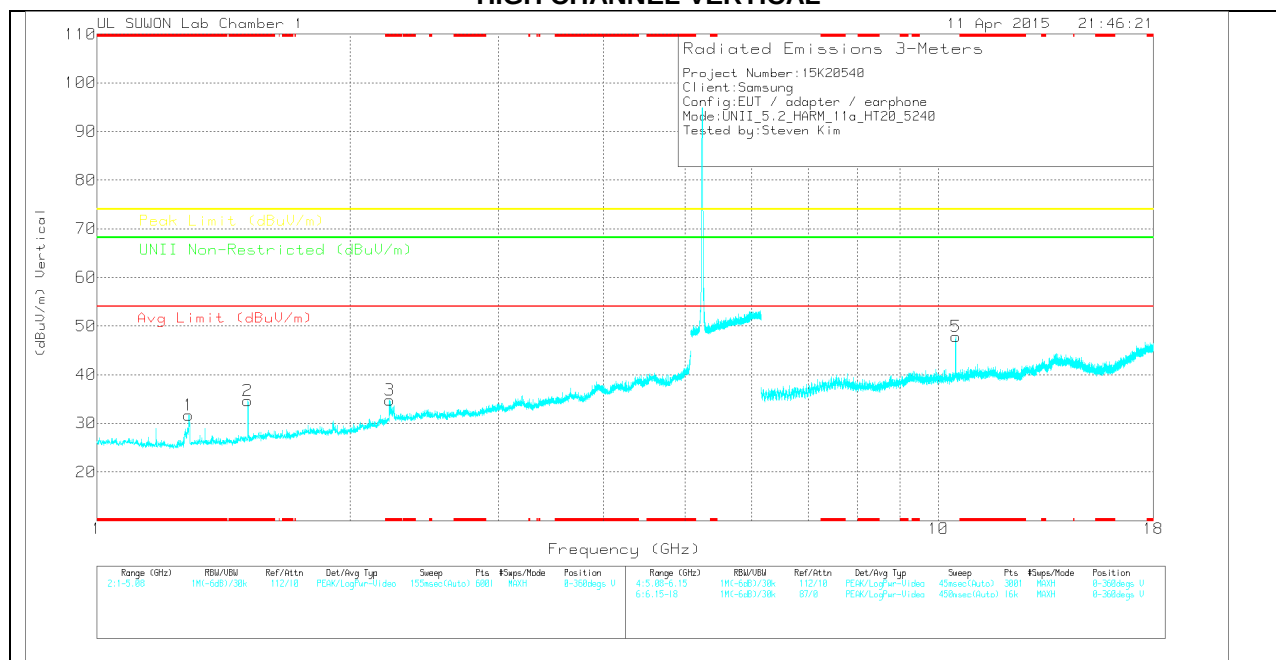
PK1 - KDB789033 Method: Peak

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_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	* 1.286	41.59	PK	23.7	-33.6	0	31.69	-	-	74	-42.31	-	-	0-360	100	V
2	* 1.511	43.55	PK	24.6	-33.5	0	34.65	-	-	74	-39.35	-	-	0-360	100	V
3	* 2.226	39.33	PK	27.6	-32.2	0	34.73	-	-	74	-39.27	-	-	0-360	100	V
4	10.482	33.43	PK	38.4	-21.3	0	50.53	-	-	-	-	68.2	-17.67	0-360	100	H
5	10.482	30.77	PK	38.4	-21.3	0	47.87	-	-	-	-	68.2	-20.33	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
10.478	45.28	PK1	38.4	-21.3	0	62.38	-	-	-	-	68.2	-5.82	71	214	H
10.482	32.86	AD1	38.4	-21.3	.31	50.27	-	-	-	-	-	-	71	214	H

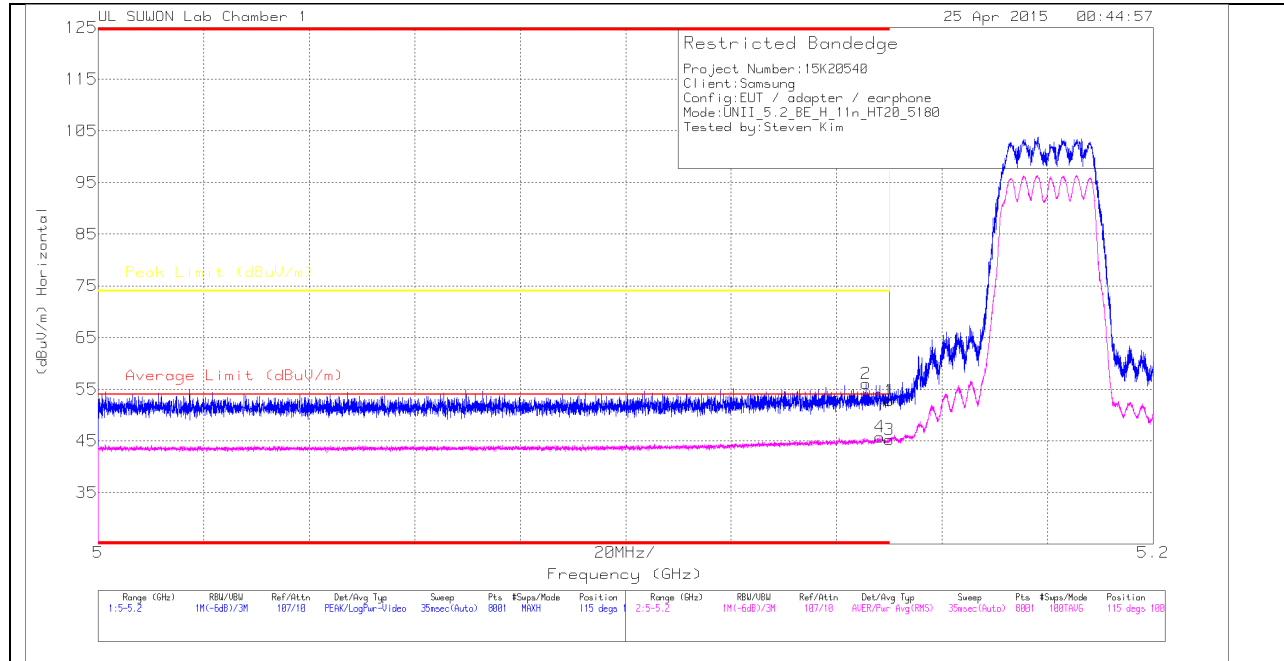
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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

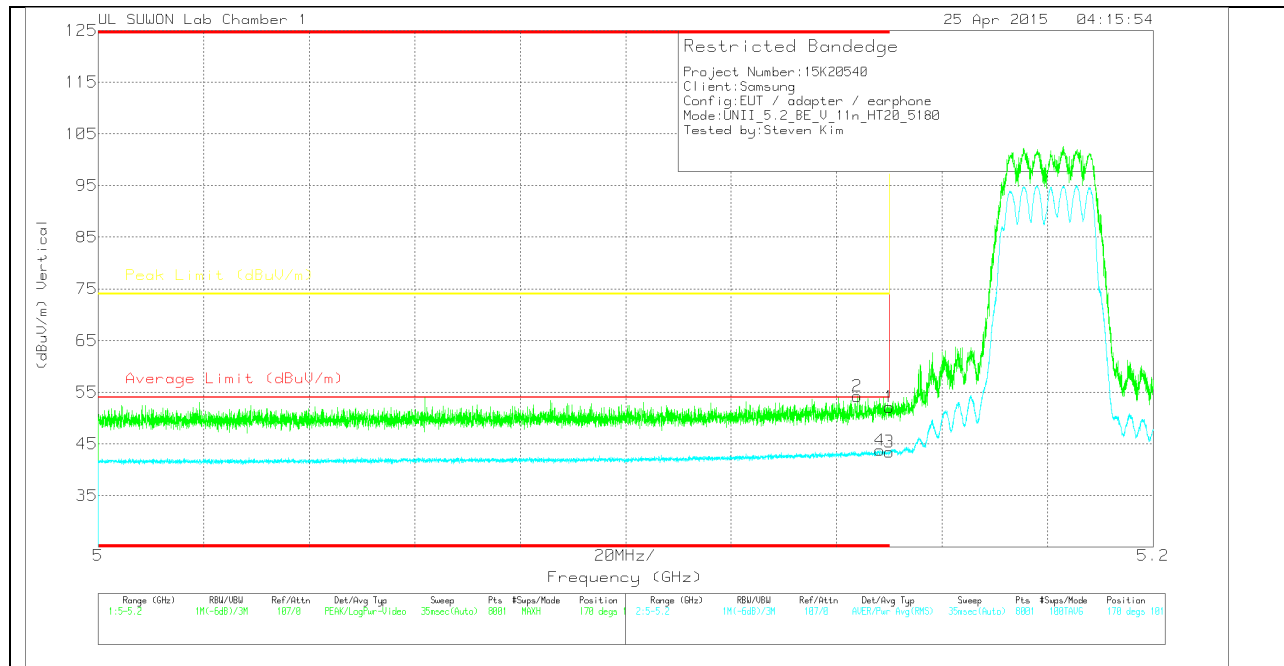
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.47	PK	32.7	-19.4	0	52.77	-	-	74	-21.23	115	100	H
2	* 5.146	42.78	PK	32.7	-19.4	0	56.08	-	-	74	-17.92	115	100	H
3	* 5.15	31.62	RMS	32.7	-19.4	.33	45.25	54	-8.75	-	-	115	100	H
4	* 5.148	32.12	RMS	32.7	-19.4	.33	45.75	54	-8.25	-	-	115	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	* 5.15	38.84	PK	32.7	-19.4	0	52.14	-	-	74	-21.86	170	101	V
2	* 5.144	40.92	PK	32.7	-19.4	0	54.22	-	-	74	-19.78	170	101	V
3	* 5.15	29.81	RMS	32.7	-19.4	.33	43.44	54	-10.56	-	-	170	101	V
4	* 5.148	30.14	RMS	32.7	-19.4	.33	43.77	54	-10.23	-	-	170	101	V

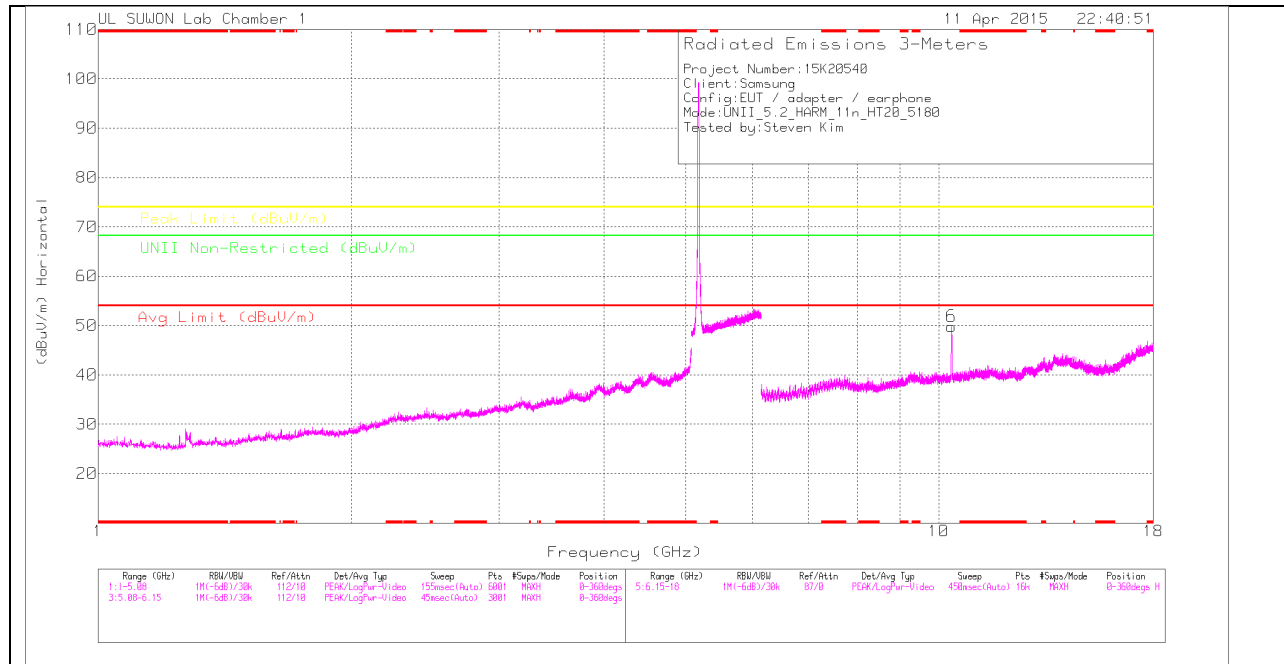
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

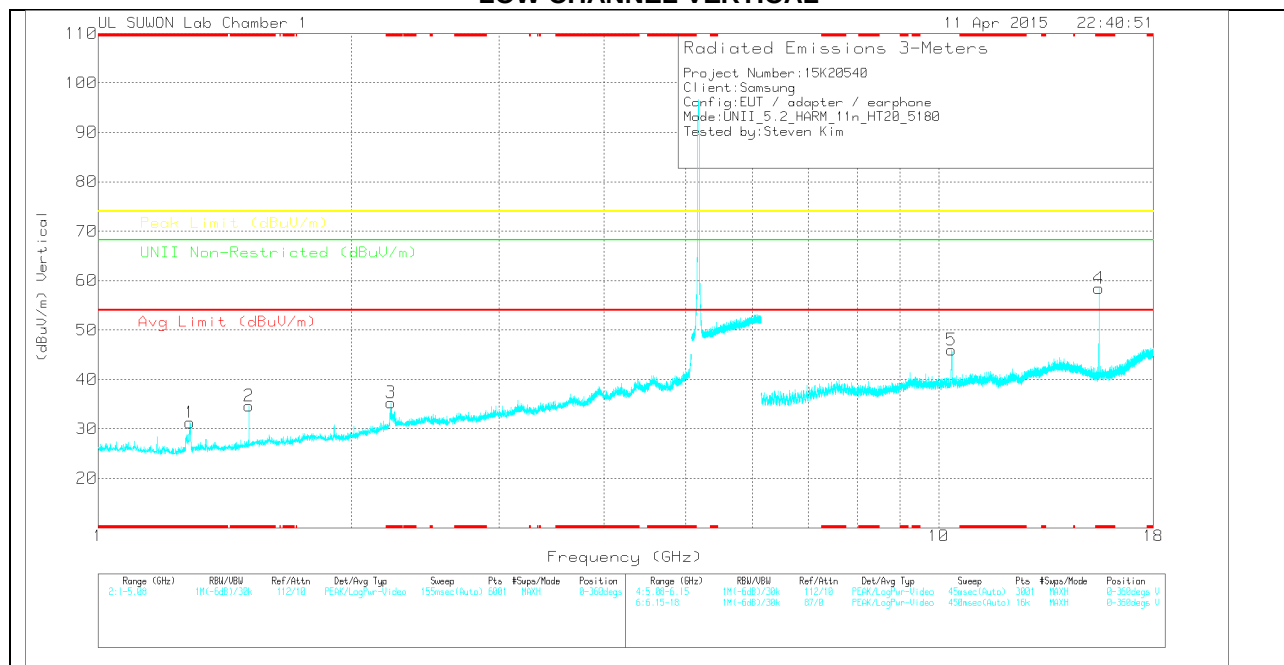
RMS - RMS detection

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	* 1.286	41.18	PK	23.7	-33.6	0	31.28	-	-	74	-42.72	-	-	0-360	100	V
2	* 1.512	43.55	PK	24.6	-33.5	0	34.65	-	-	74	-39.35	-	-	0-360	100	V
3	* 2.23	39.82	PK	27.6	-32.1	0	35.32	-	-	74	-38.68	-	-	0-360	100	V
6	10.36	32.41	PK	38.3	-20.9	0	49.81	-	-	-	-	68.2	-18.39	0-360	100	H
4	* 15.507	39.57	PK	38.6	-19.7	0	58.47	-	-	74	-15.53	-	-	0-360	100	V
5	10.361	28.59	PK	38.3	-20.9	0	45.99	-	-	-	-	68.2	-22.21	0-360	200	V

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

PK – Peak detector

Radiated Emissions

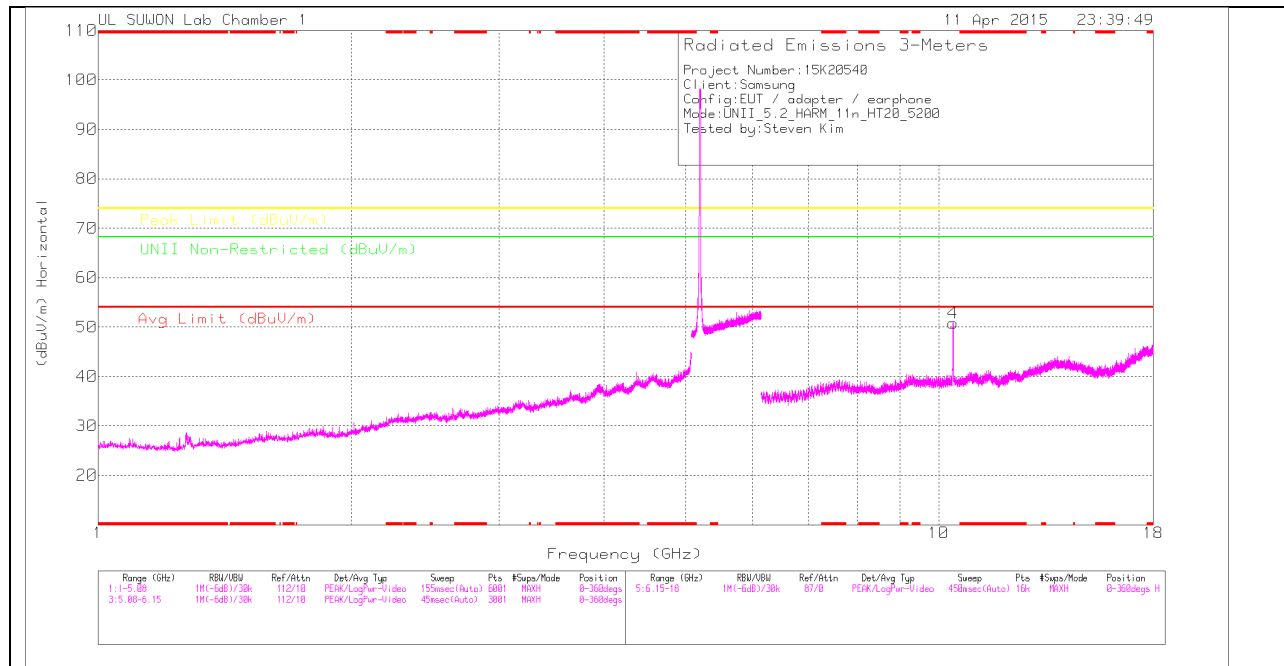
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.369	44.86	PK1	38.3	-20.9	0	62.26	-	-	-	-	68.2	-5.94	65	189	H
10.361	32.24	AD1	38.3	-20.9	.33	49.97	-	-	-	-	-	-	65	189	H
* 15.55	33.86	PK1	38.6	-19.8	0	52.66	-	-	74	-21.34	-	-	45	374	V
* 15.556	20.91	AD1	38.6	-19.8	0	39.71	54	-14.29	-	-	-	-	45	374	V

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

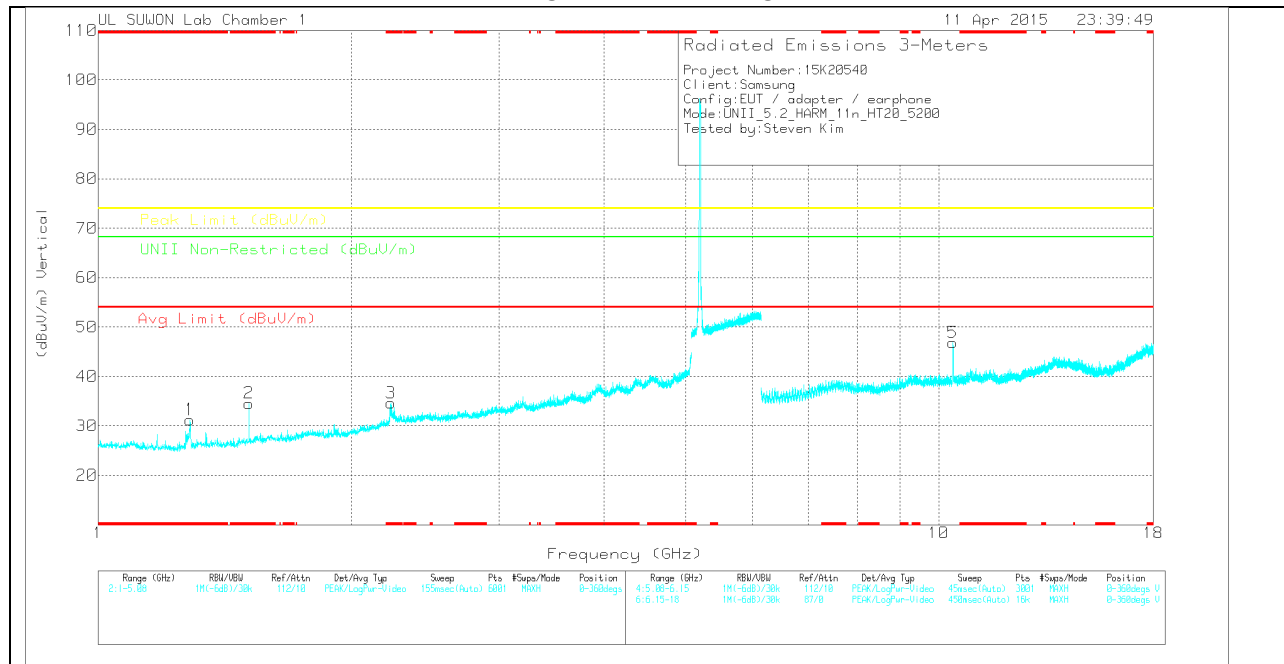
PK1 - KDB789033 Method: Peak

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	* 1.286	41.14	PK	23.7	-33.6	0	31.24	-	-	74	-42.76	-	-	0-360	100	V
2	* 1.512	43.47	PK	24.6	-33.5	0	34.57	-	-	74	-39.43	-	-	0-360	100	V
3	* 2.229	39.2	PK	27.6	-32.2	0	34.6	-	-	74	-39.4	-	-	0-360	100	V
4	10.403	33.08	PK	38.3	-20.6	0	50.78	-	-	-	-	68.2	-17.42	0-360	100	H
5	10.399	29.16	PK	38.3	-20.6	0	46.86	-	-	-	-	68.2	-21.34	0-360	100	V

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

PK – Peak detector

Radiated Emissions

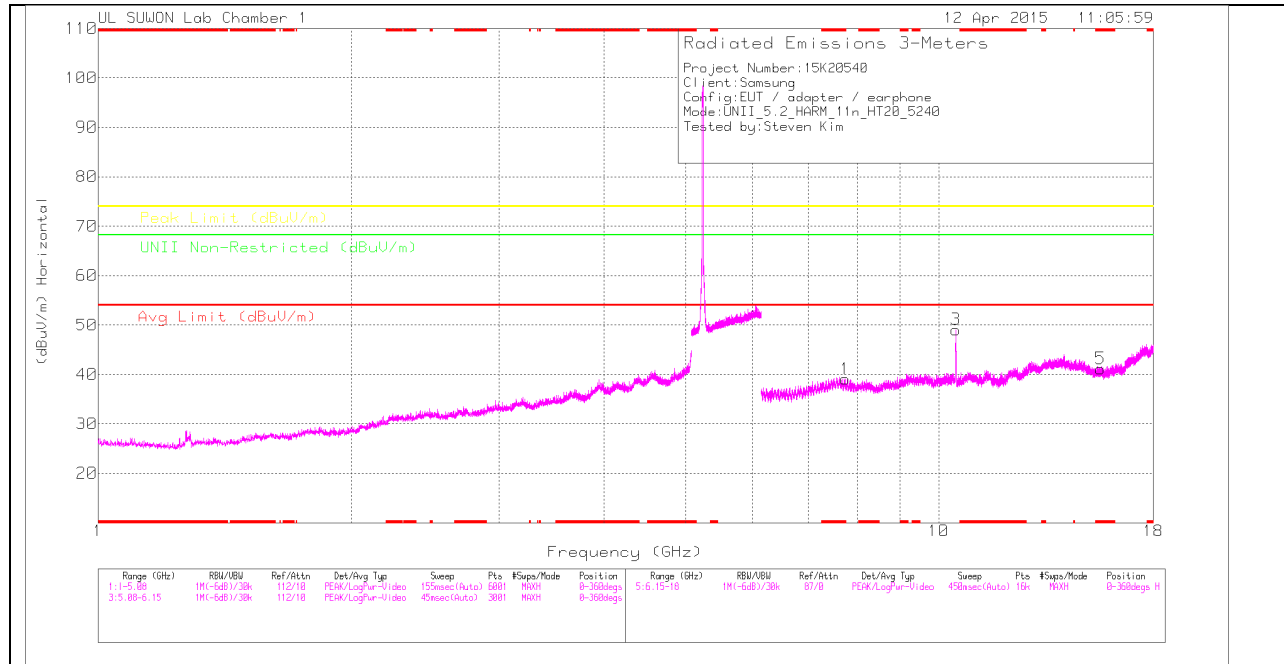
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.403	45.93	PK1	38.3	-20.6	0	63.63	-	-	-	-	68.2	-4.57	68	158	H
10.399	32.63	AD1	38.3	-20.6	.33	50.66	-	-	-	-	-	-	68	158	H

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

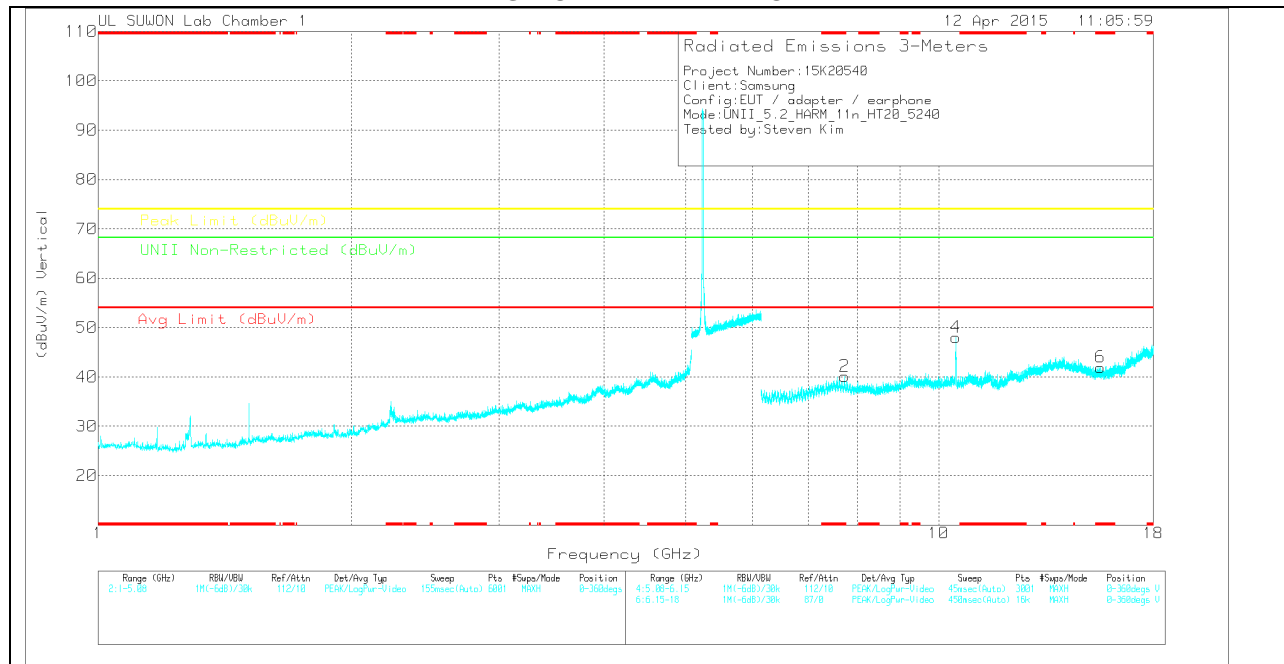
PK1 - KDB789033 Method: Peak

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	* 7.746	25.88	PK	37.2	-24	0	39.08	-	-	74	-34.92	-	-	0-360	200	H
3	10.481	31.98	PK	38.4	-21.3	0	49.08	-	-	-	-	68.2	-19.12	0-360	100	H
5	* 15.573	22.36	PK	38.6	-19.8	0	41.16	-	-	74	-32.84	-	-	0-360	200	H
2	* 7.733	27.03	PK	37.2	-24.1	0	40.13	-	-	74	-33.87	-	-	0-360	100	V
4	10.479	30.93	PK	38.4	-21.3	0	48.03	-	-	-	-	68.2	-20.17	0-360	100	V
6	* 15.573	23.15	PK	38.6	-19.8	0	41.95	-	-	74	-32.05	-	-	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
10.484	42.8	PK1	38.4	-21.3	0	59.9	-	-	-	-	68.2	-8.3	68	157	H
10.481	32.04	AD1	38.4	-21.3	.33	49.47	-	-	-	-	-	-	68	157	H
10.473	38.64	PK1	38.4	-21.3	0	55.74	-	-	-	-	68.2	-12.46	335	194	V
10.481	28.2	AD1	38.4	-21.3	.33	45.63	-	-	-	-	-	-	335	194	V

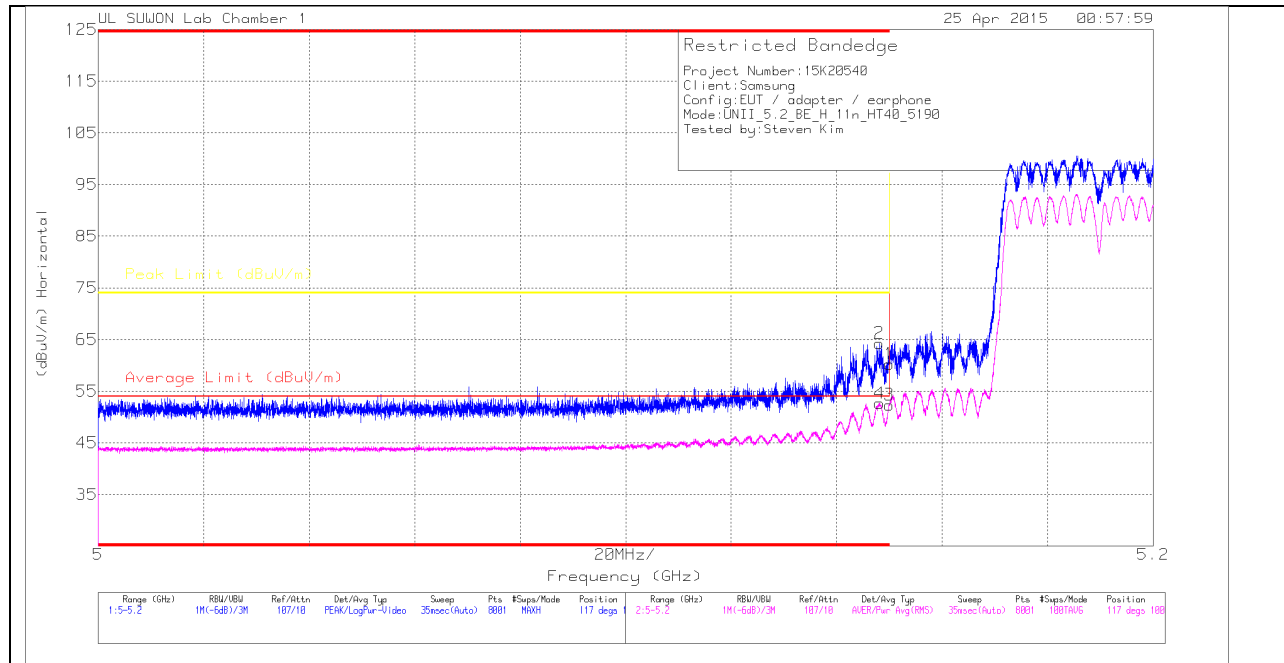
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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

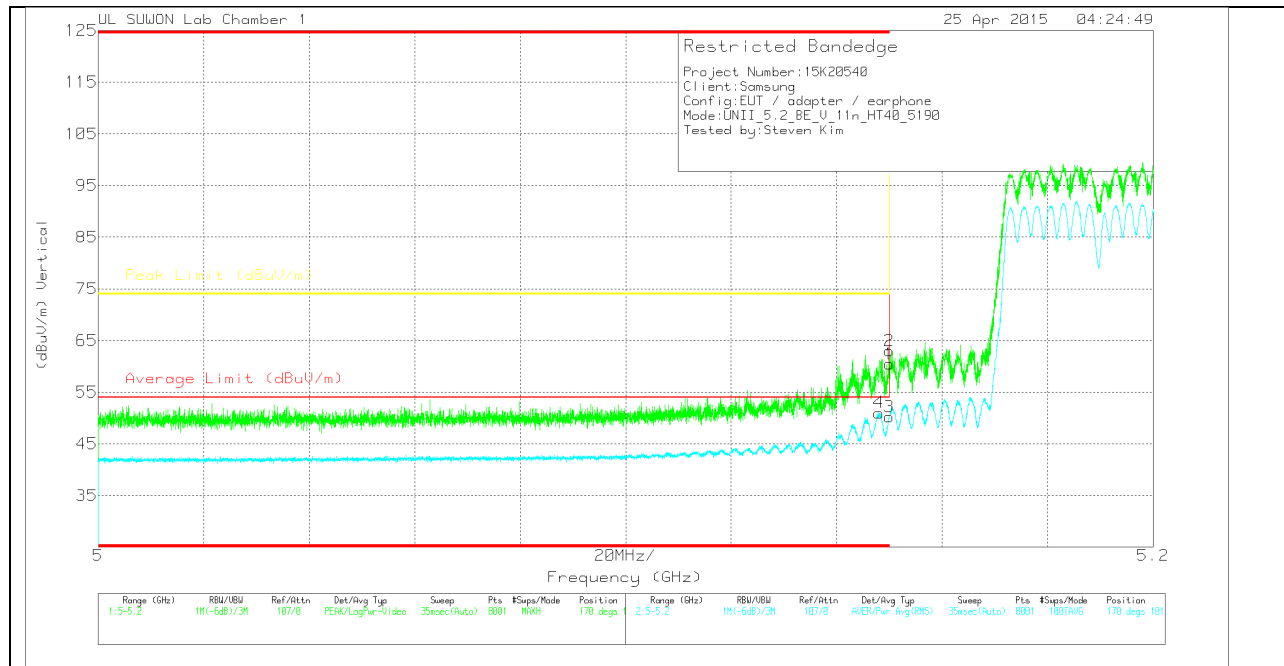
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.95	PK	32.7	-19.4	0	60.25	-	-	74	-13.75	117	100	H
2	* 5.148	50.98	PK	32.7	-19.4	0	64.28	-	-	74	-9.72	117	100	H
3	* 5.15	38.44	RMS	32.7	-19.4	.62	52.36	54	-1.64	-	-	117	100	H
4	* 5.148	38.76	RMS	32.7	-19.4	.62	52.68	54	-1.32	-	-	117	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	* 5.15	47.18	PK	32.7	-19.4	0	60.48	-	-	74	-13.52	170	101	V
2	* 5.15	49.73	PK	32.7	-19.4	0	63.03	-	-	74	-10.97	170	101	V
3	* 5.15	36.3	RMS	32.7	-19.4	.62	50.22	54	-3.78	-	-	170	101	V
4	* 5.148	37.11	RMS	32.7	-19.4	.62	51.03	54	-2.97	-	-	170	101	V

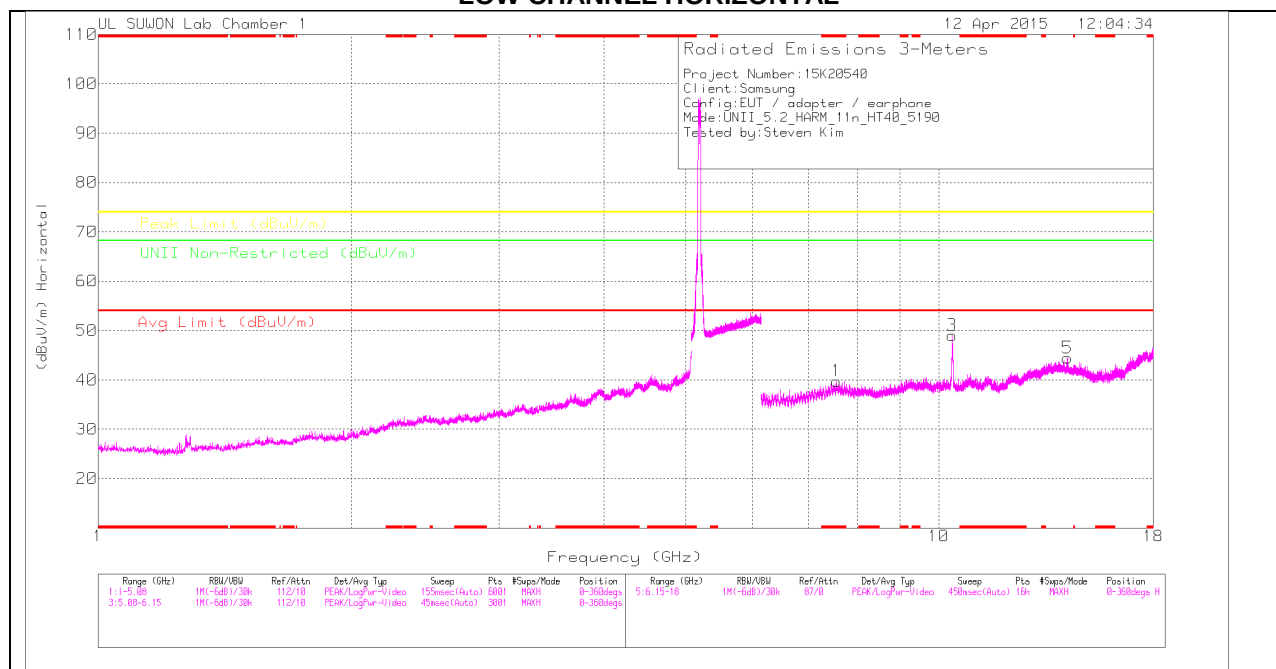
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

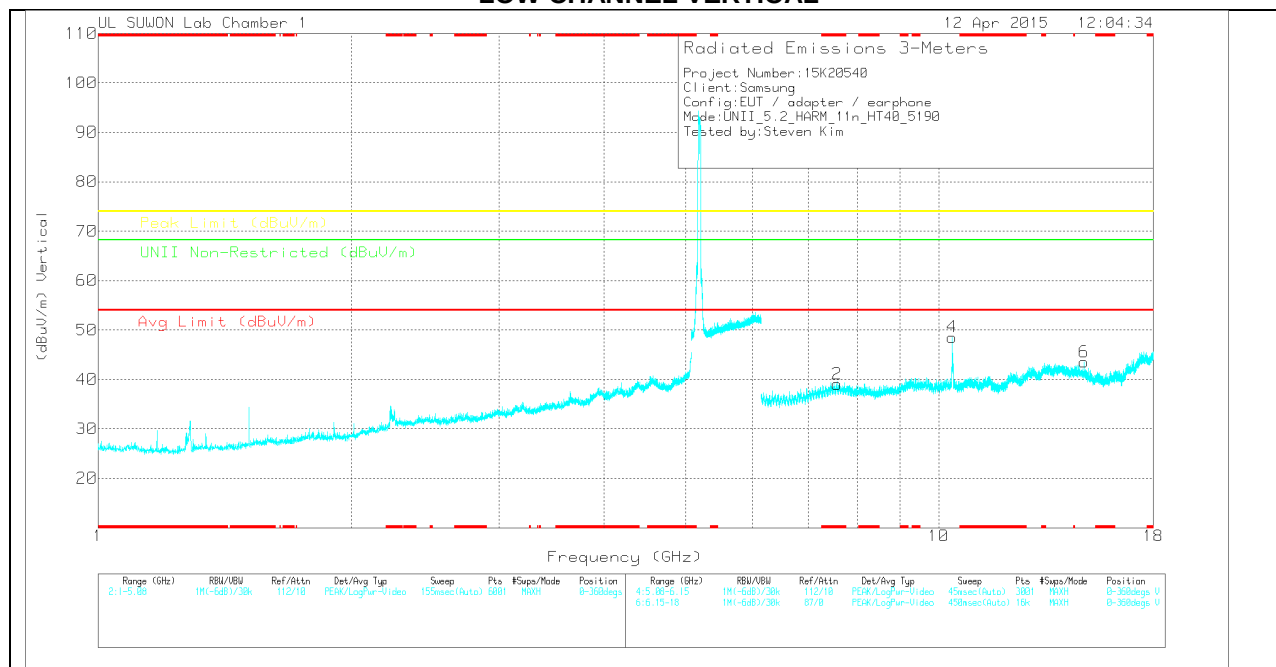
RMS - RMS detection

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	26.68	PK	37.4	-24.3	0	39.78	-	-	74	-34.22	-	-	0-360	100	H
3	10.382	31.54	PK	38.3	-20.8	0	49.04	-	-	-	-	68.2	-19.16	0-360	100	H
5	14.228	24.75	PK	40.5	-20.8	0	44.45	-	-	-	-	68.2	-23.75	0-360	200	H
2	* 7.569	26.04	PK	37.3	-24.3	0	39.04	-	-	74	-34.96	-	-	0-360	200	V
4	10.381	31.07	PK	38.3	-20.8	0	48.57	-	-	-	-	68.2	-19.63	0-360	200	V
6	14.889	24.43	PK	39.3	-20.2	0	43.53	-	-	-	-	68.2	-24.67	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

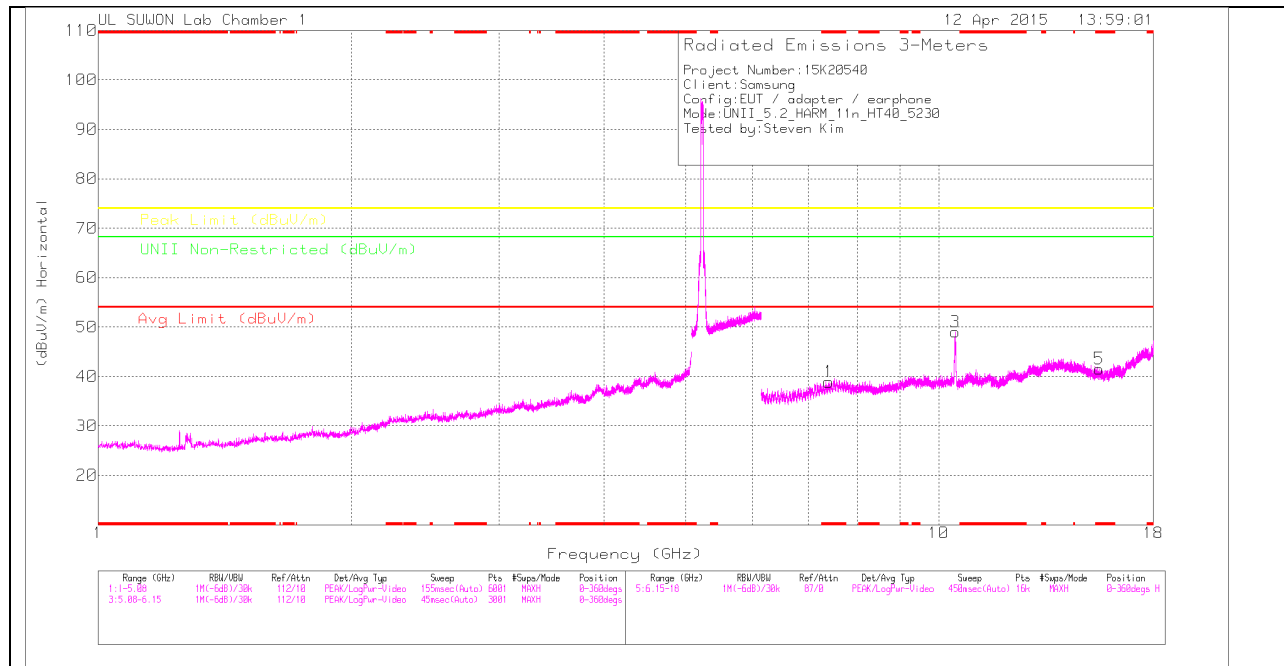
Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_5_6GHP	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.381	44.27	PK1	38.3	-20.8	0	61.77	-	-	-	-	68.2	-6.43	64	213	H
10.381	31.05	AD1	38.3	-20.8	.62	49.17	-	-	-	-	-	-	64	213	H
10.388	37.25	PK1	38.3	-20.7	0	54.85	-	-	-	-	68.2	-13.35	339	299	V
10.379	24.68	AD1	38.3	-20.8	.62	42.8	-	-	-	-	-	-	339	299	V

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

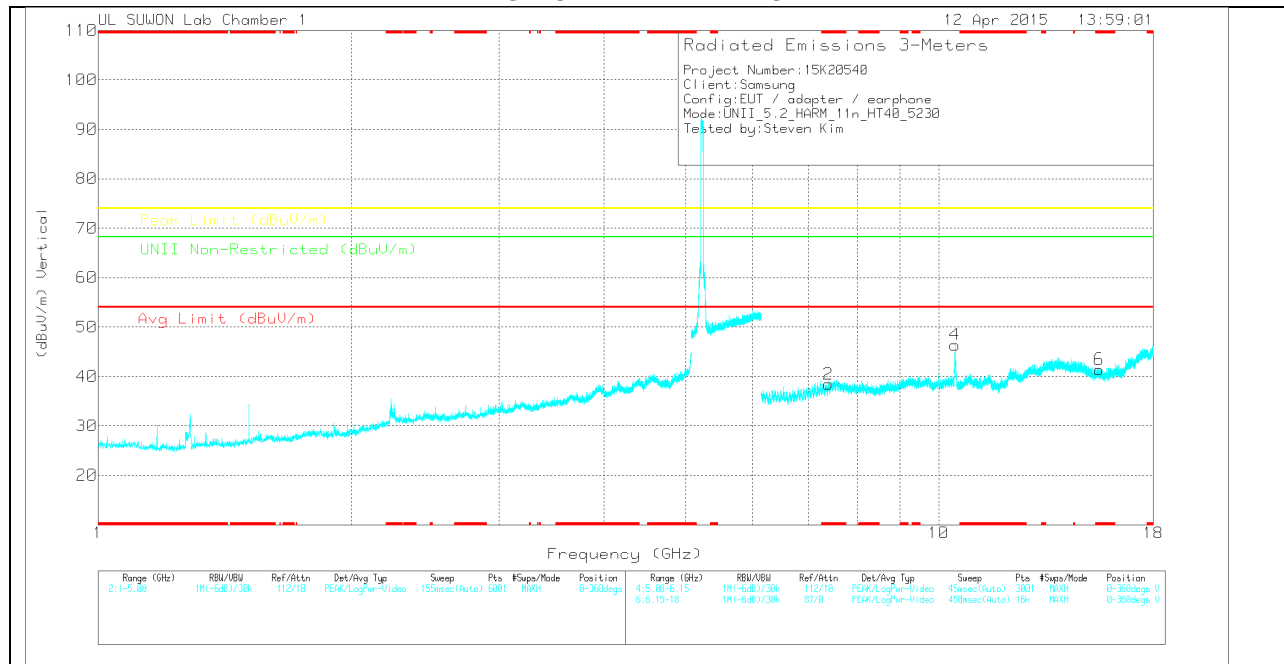
PK1 - KDB789033 Method: Peak

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	* 7.399	26.52	PK	37.3	-24.9	0	38.92	-	-	74	-35.08	-	-	0-360	100	H
3	10.461	31.89	PK	38.4	-21.3	0	48.99	-	-	-	-	68.2	-19.21	0-360	100	H
5	* 15.525	22.62	PK	38.6	-19.7	0	41.52	-	-	74	-32.48	-	-	0-360	100	H
2	* 7.388	25.96	PK	37.3	-24.8	0	38.46	-	-	74	-35.54	-	-	0-360	200	V
4	10.456	29.2	PK	38.4	-21.2	0	46.4	-	-	-	-	68.2	-21.8	0-360	200	V
6	* 15.519	22.5	PK	38.6	-19.7	0	41.4	-	-	74	-32.6	-	-	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
10.461	41.75	PK1	38.4	-21.3	0	58.85	-	-	-	-	68.2	-9.35	67	160	H
10.461	30.53	AD1	38.4	-21.3	.62	48.25	-	-	-	-	-	-	67	160	H
10.468	38.02	PK1	38.4	-21.3	0	55.12	-	-	-	-	68.2	-13.08	334	158	V
10.461	28.24	AD1	38.4	-21.3	.62	45.96	-	-	-	-	-	-	334	158	V

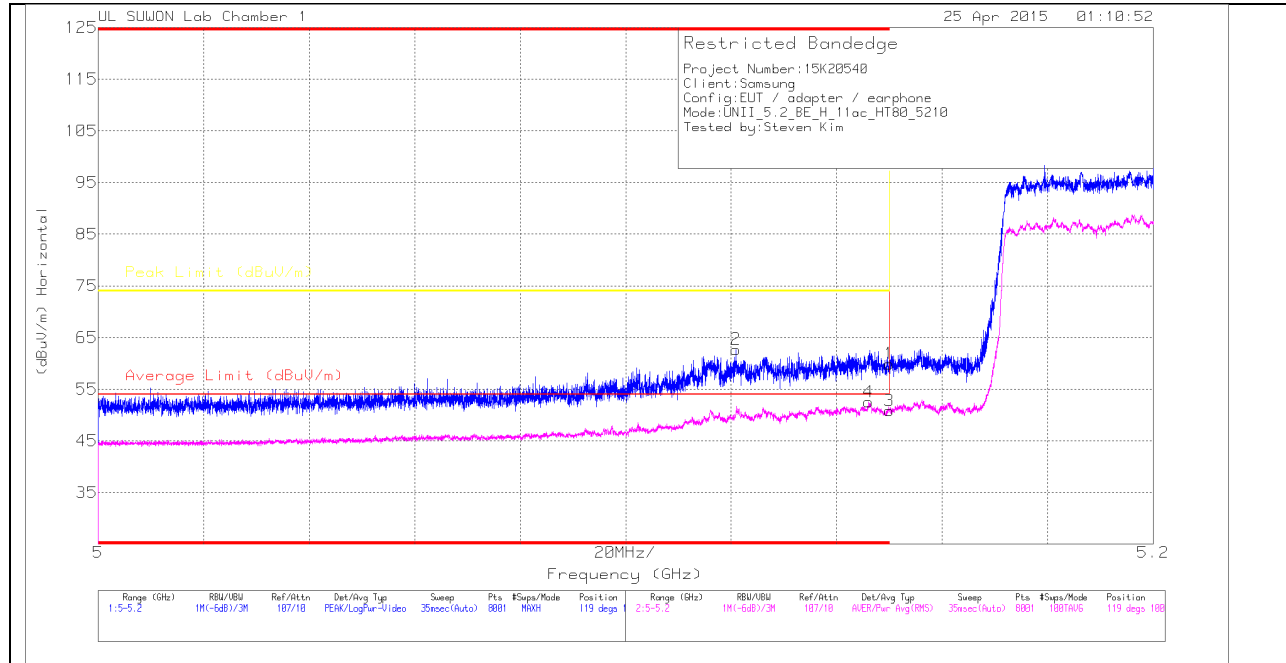
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

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

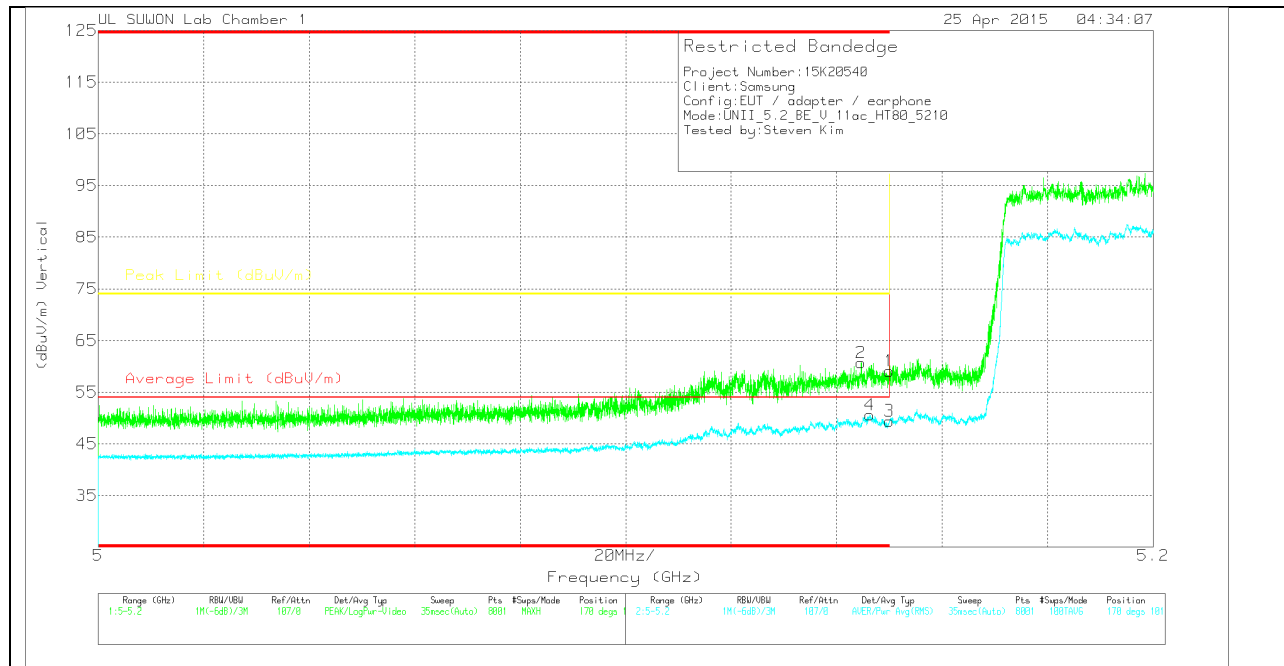
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3115D Factor	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.62	PK	32.7	-19.4	0	59.92	-	-	74	-14.08	119	100	H
2	* 5.121	49.6	PK	32.6	-19.5	0	62.7	-	-	74	-11.3	119	100	H
3	* 5.15	36.38	RMS	32.7	-19.4	1.15	50.83	54	-3.17	-	-	119	100	H
4	* 5.146	38.08	RMS	32.7	-19.4	1.15	52.53	54	-1.47	-	-	119	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	* 5.15	45.79	PK	32.7	-19.4	0	59.09	-	-	74	-14.91	170	101	V
2	* 5.145	47.42	PK	32.7	-19.4	0	60.72	-	-	74	-13.28	170	101	V
3	* 5.15	34.96	RMS	32.7	-19.4	1.15	49.41	54	-4.59	-	-	170	101	V
4	* 5.146	36.12	RMS	32.7	-19.4	1.15	50.57	54	-3.43	-	-	170	101	V

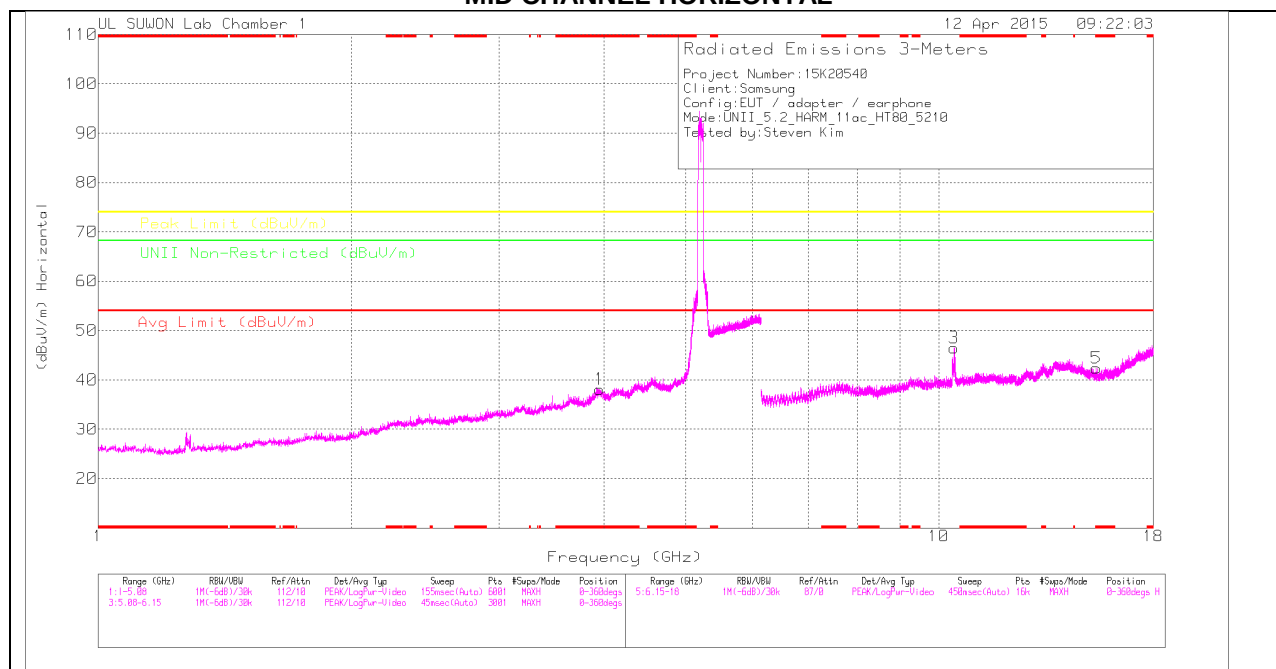
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

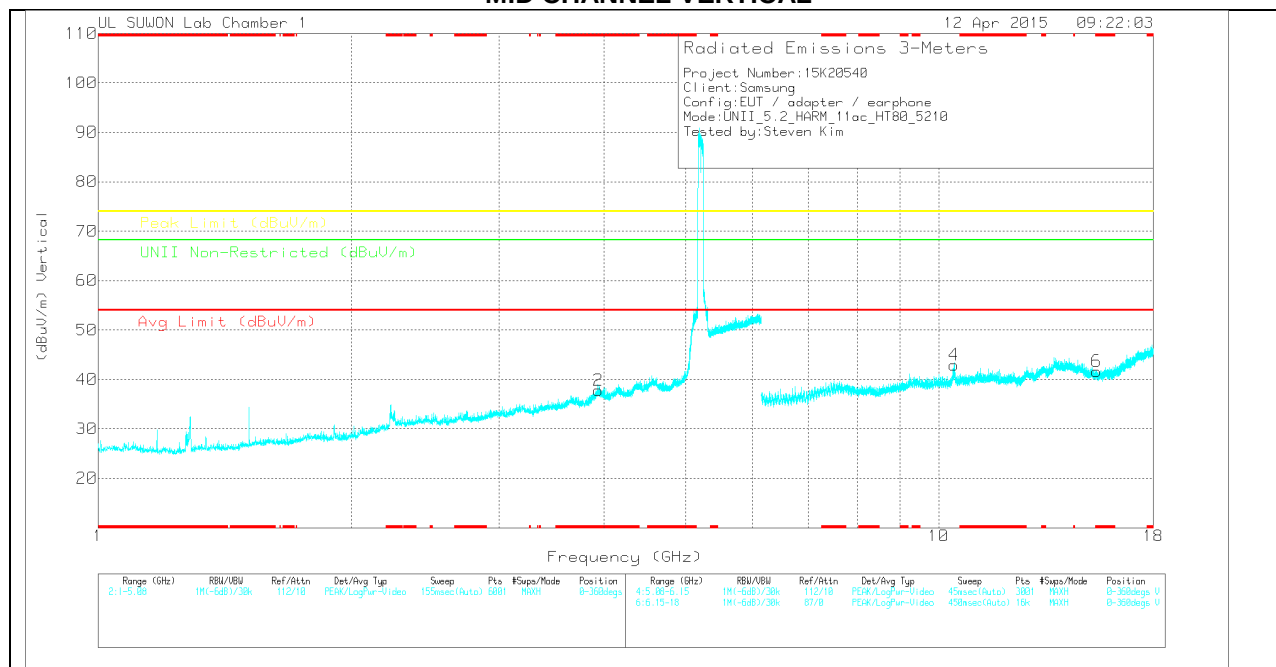
RMS - RMS detection

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
1	* 3.953	35.9	PK	30.6	-28.4	0	38.1	-	-	74	-35.9	-	-	0-360	100	H
2	* 3.939	35.69	PK	30.6	-28.5	0	37.79	-	-	74	-36.21	-	-	0-360	200	V
3	10.431	29.19	PK	38.3	-21	0	46.49	-	-	-	-	68.2	-21.71	0-360	100	H
5	* 15.398	23.57	PK	38.6	-19.8	0	42.37	-	-	74	-31.63	-	-	0-360	100	H
4	10.432	25.63	PK	38.3	-21	0	42.93	-	-	-	-	68.2	-25.27	0-360	100	V
6	* 15.406	22.85	PK	38.6	-19.8	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
10.437	37.09	PK1	38.3	-21.1	0	54.29	-	-	-	-	68.2	-13.91	60	107	H
10.441	26.09	AD1	38.4	-21.1	1.15	44.54	-	-	-	-	-	-	60	107	H

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

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average