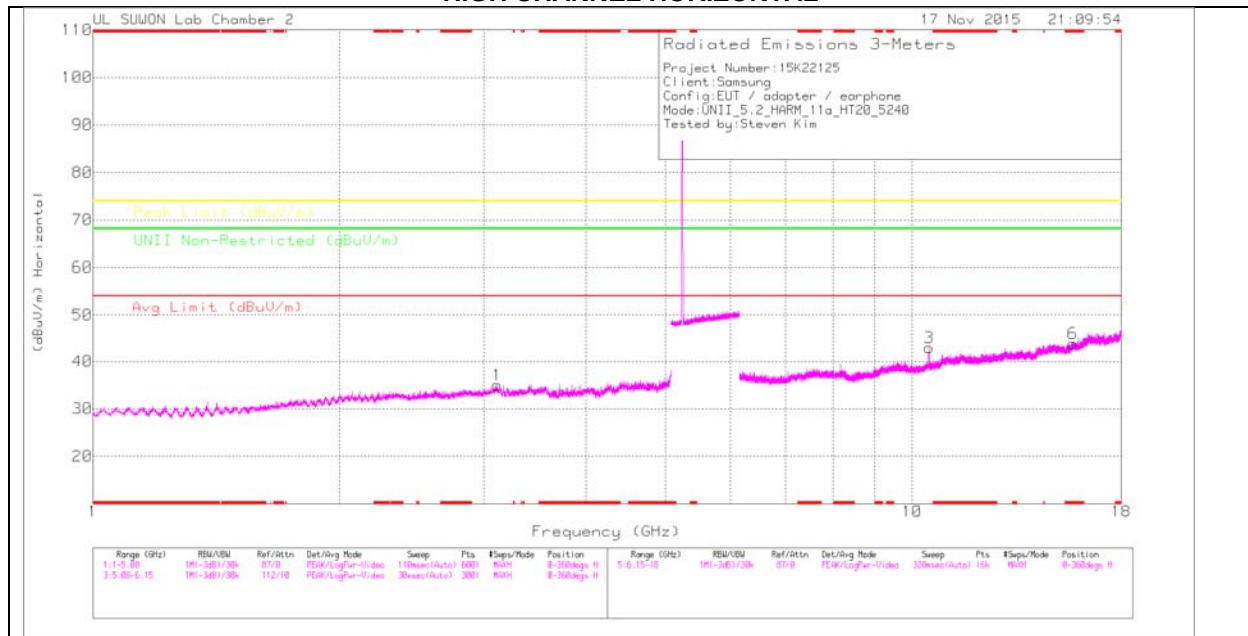
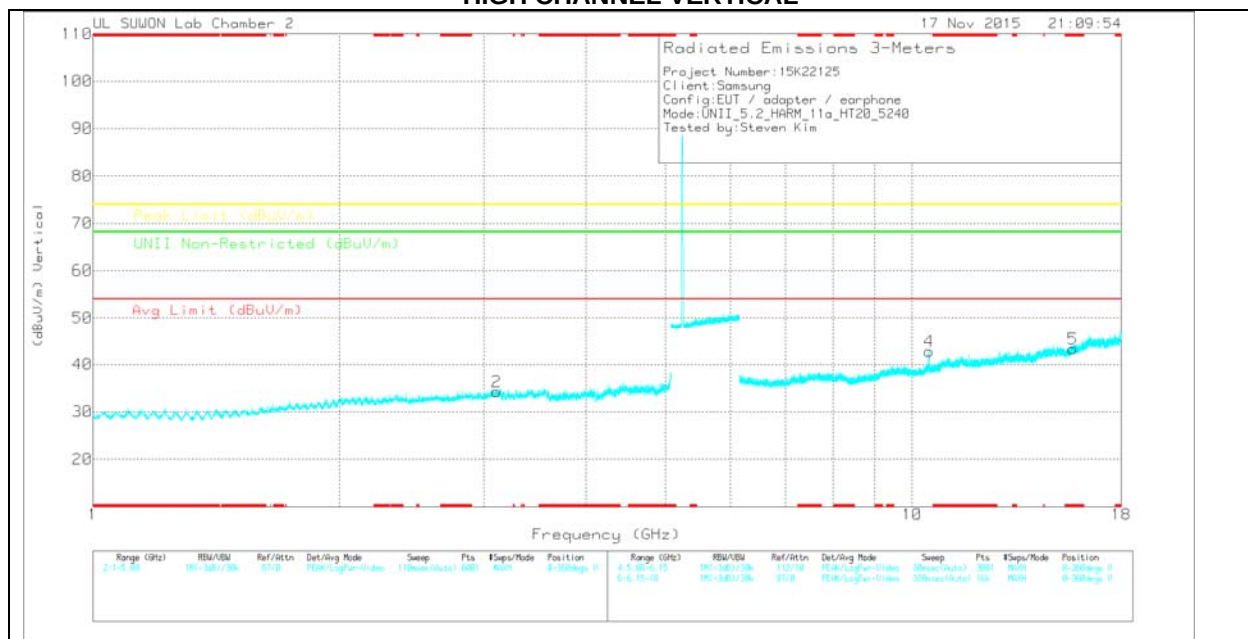


HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168724)_150619	Path_4	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	3.113	28.9	PK	32.5	-26.4	0	35	-	-	-	-	68.2	-33.2	0-360	100	H
2	3.109	28.1	PK	32.5	-26.4	0	34.2	-	-	-	-	68.2	-34	0-360	200	V
3	10.482	23.06	PK	37.7	-17.9	0	42.86	-	-	-	-	68.2	-25.34	0-360	200	H
6	* 15.718	20.26	PK	40.1	-16.6	0	43.76	-	-	74	-30.24	-	-	0-360	200	H
4	10.482	22.97	PK	37.7	-17.9	0	42.77	-	-	-	-	68.2	-25.43	0-360	200	V
5	* 15.721	19.76	PK	40.1	-16.6	0	43.26	-	-	74	-30.74	-	-	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	3117(00168724)_150619	Path_5	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
10.479	31.95	PK-U	37.7	-17.9	0	51.75	-	-	-	-	68.2	-16.45	341	158	H
10.479	35.65	PK-U	37.7	-17.9	0	55.45	-	-	-	-	68.2	-12.75	214	207	V

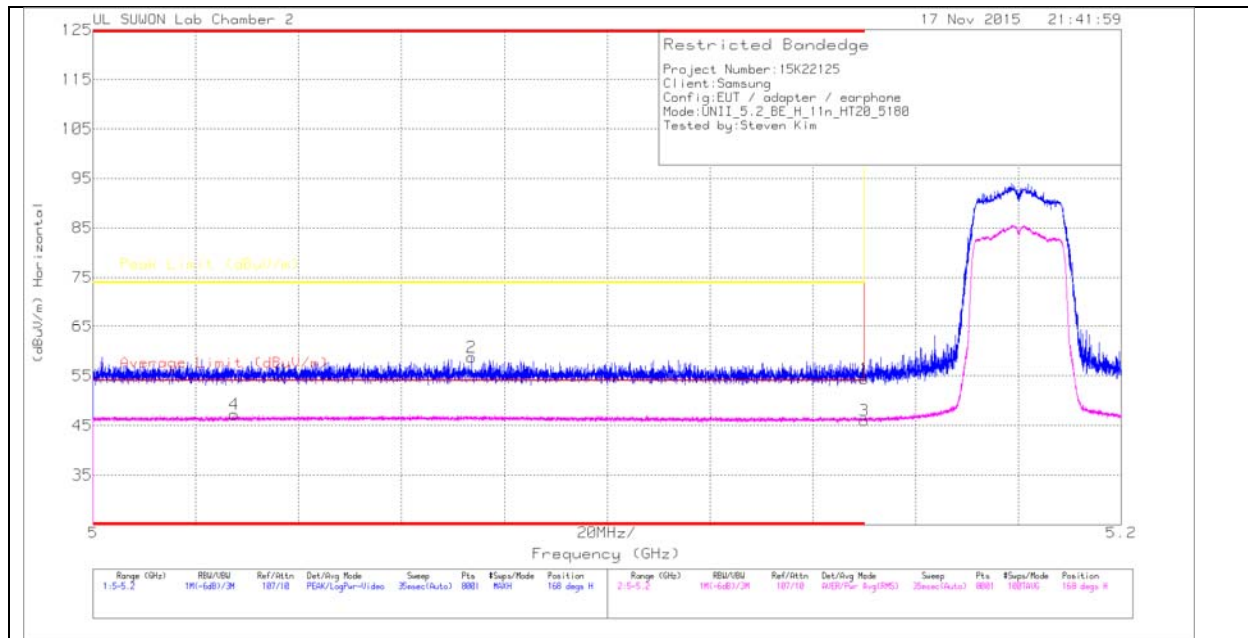
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	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	36.72	Pk	34.1	-16.4	0	54.42	-	-	74	-19.58	168	131	H
2	* 5.074	41.07	Pk	34	-16.3	0	58.77	-	-	74	-15.23	168	131	H
3	* 5.15	27.99	RMS	34.1	-16.4	.32	46.01	54	-7.99	-	-	168	131	H
4	* 5.027	29.21	RMS	34	-16.3	.32	47.23	54	-6.77	-	-	168	131	H

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

Pk - Peak detector

RMS - RMS detection

UL SUMON Lab Chamber 2

17 Nov 2015 21:58:10

Restricted Bandedge

Project Number: 15K22125

Client: Samsung

Config: EUT / adapter / earphone

Mode: UNII_5.2_BE_V_11n_HT20_5188

Tested by: Steven Kim

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

dBuV/m

Frequency (GHz)

20MHz/

Range (GHz)	RBW/GBW	Ref/Att	Det/Avg Mode	Sweep	Pls	ESupr/Mode	Position	Range (GHz)	RBW/GBW	Ref/Att	Det/Avg Mode	Sweep	Pls	ESupr/Mode	Position
1.0-5.2	100kHz/20	107dB	Peak/Avg	Steven Kim	100	None	100	2.0-5.2	100kHz/20	107dB	Peak/Avg	Steven Kim	100	None	100

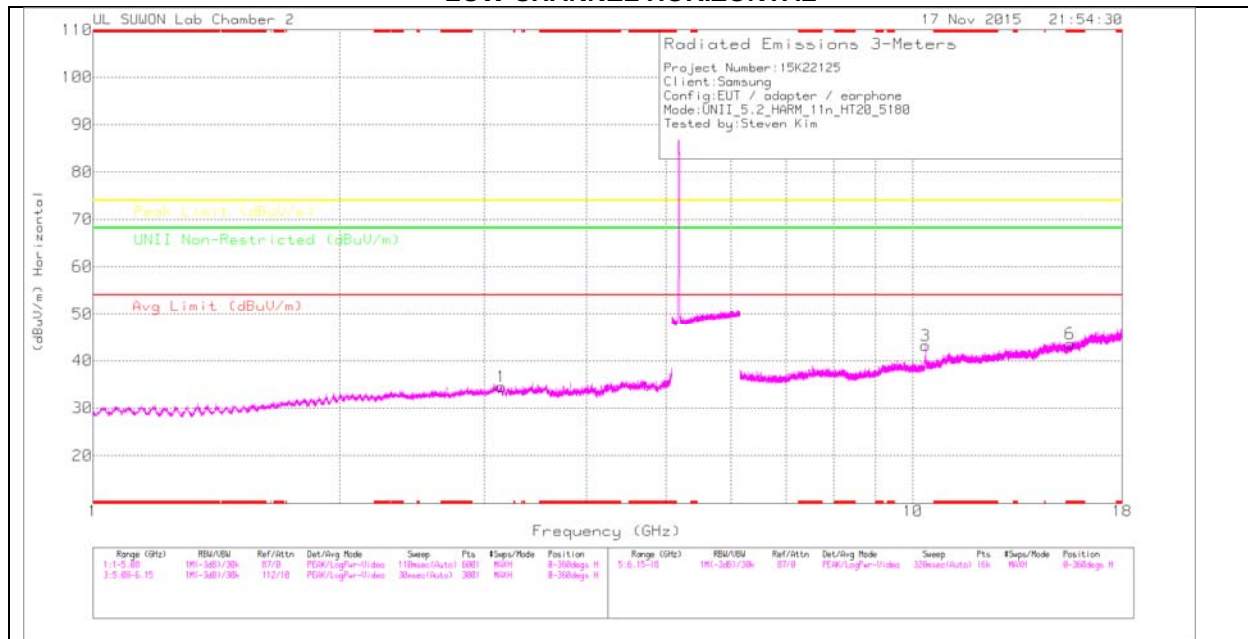
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117001687 24_150619	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	35.77	Pk	34.1	-16.4	0	53.47	-	-	74	-20.53	194	101	V
2	* 5.085	39.73	Pk	34	-16.3	0	57.43	-	-	74	-16.57	194	101	V
3	* 5.15	26.56	RMS	34.1	-16.4	.32	44.58	54	-9.42	-	-	194	101	V
4	* 5.149	27.28	RMS	34.1	-16.4	.32	45.3	54	-8.7	-	-	194	101	V

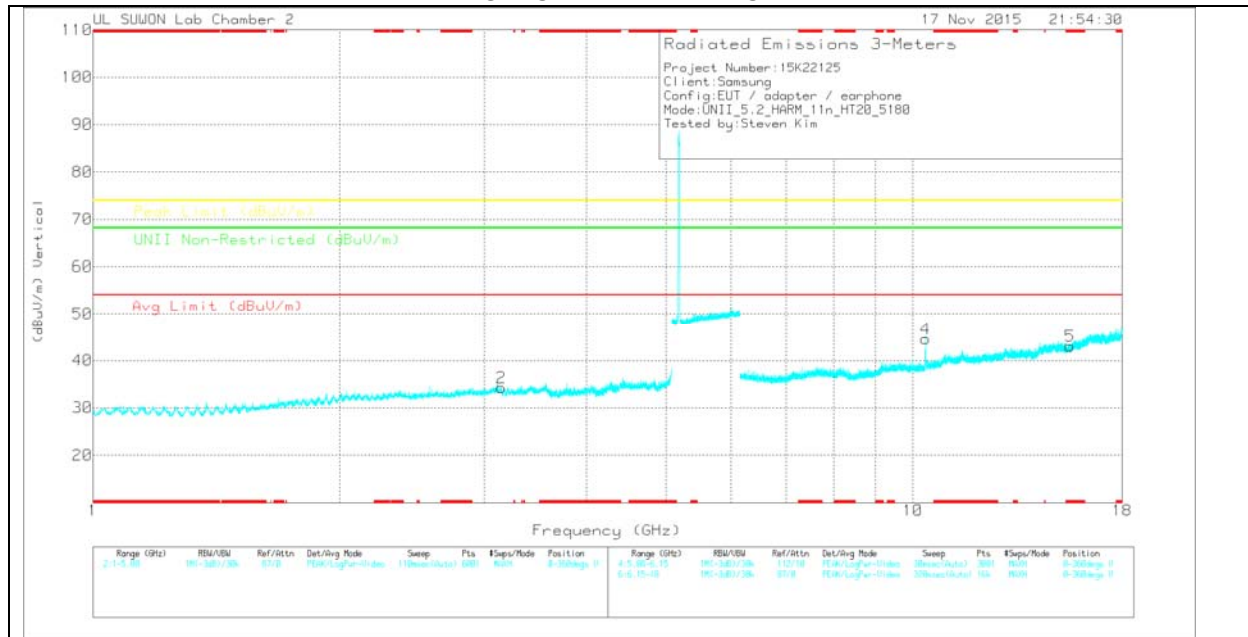
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_4	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	3.147	28.24	PK	32.5	-26.2	0	34.54	-	-	-	-	68.2	-33.66	0-360	200	H
2	3.148	27.96	PK	32.5	-26.2	0	34.26	-	-	-	-	68.2	-33.94	0-360	100	V
3	10.359	23.74	PK	37.6	-18.2	0	43.14	-	-	-	-	68.2	-25.06	0-360	200	H
6	* 15.541	19.78	PK	39.9	-16.1	0	43.58	-	-	74	-30.42	-	-	0-360	200	H
4	10.359	25.2	PK	37.6	-18.2	0	44.6	-	-	-	-	68.2	-23.6	0-360	200	V
5	* 15.542	19.21	PK	39.9	-16.1	0	43.01	-	-	74	-30.99	-	-	0-360	200	V

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

PK –Peak detector

Radiated Emissions

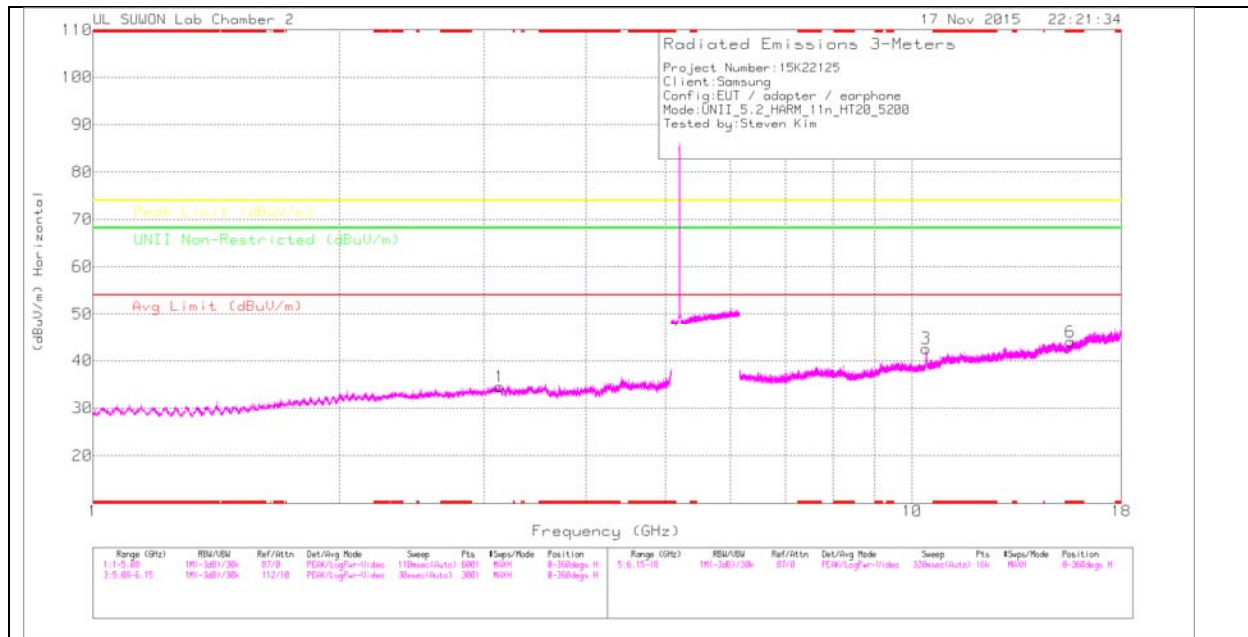
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.362	34.06	PK-U	37.6	-18.1	0	53.56	-	-	-	-	68.2	-14.64	332	267	H
10.358	38.51	PK-U	37.6	-18.2	0	57.91	-	-	-	-	68.2	-10.29	214	217	V

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

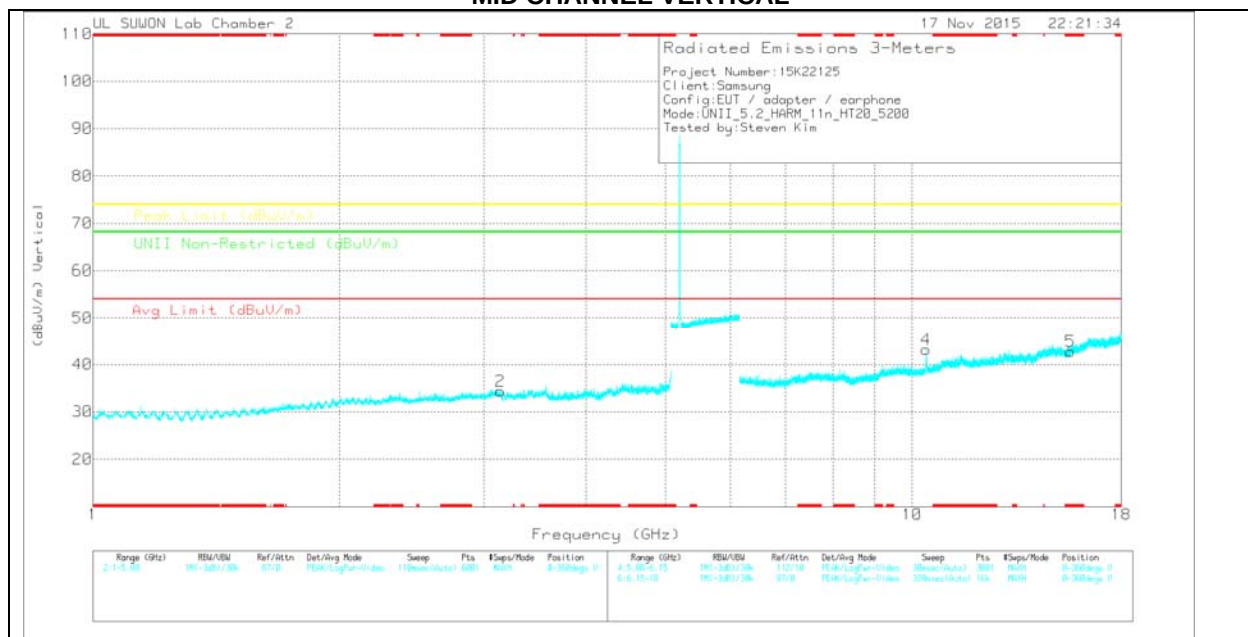
PK-U - U-NII: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724_150 619	Path_4	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	3.137	28.29	PK	32.5	-26.3	0	34.49	-	-	-	-	68.2	-33.71	0-360	100	H
2	3.144	28.13	PK	32.5	-26.3	0	34.33	-	-	-	-	68.2	-33.87	0-360	100	V
3	10.401	22.89	PK	37.6	-17.9	0	42.59	-	-	-	-	68.2	-25.61	0-360	200	H
6	* 15.596	20.26	PK	40	-16.3	0	43.96	-	-	74	-30.04	-	-	0-360	200	H
4	10.398	23.44	PK	37.6	-17.9	0	43.14	-	-	-	-	68.2	-25.06	0-360	200	V
5	* 15.602	19.11	PK	40	-16.3	0	42.81	-	-	74	-31.19	-	-	0-360	100	V

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

PK – Peak detector

Radiated Emissions

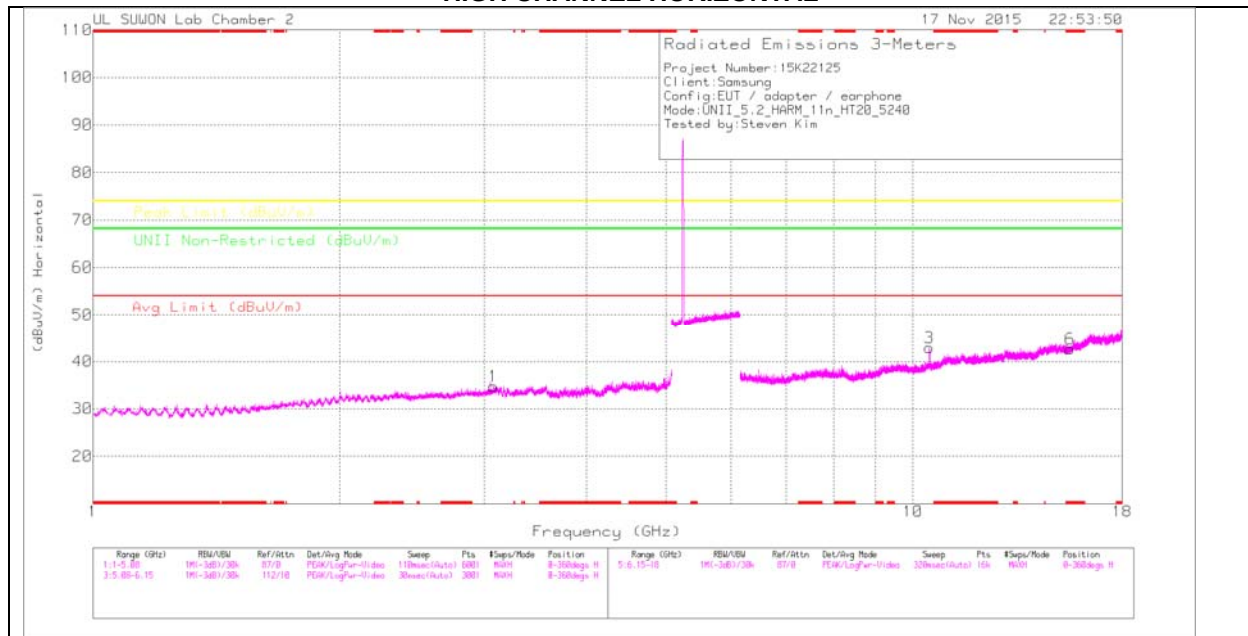
Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016872 4_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.407	34.38	PK-U	37.6	-17.8	0	54.18	-	-	-	-	68.2	-14.02	332	179	H
10.399	37.67	PK-U	37.6	-17.9	0	57.37	-	-	-	-	68.2	-10.83	220	199	V

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

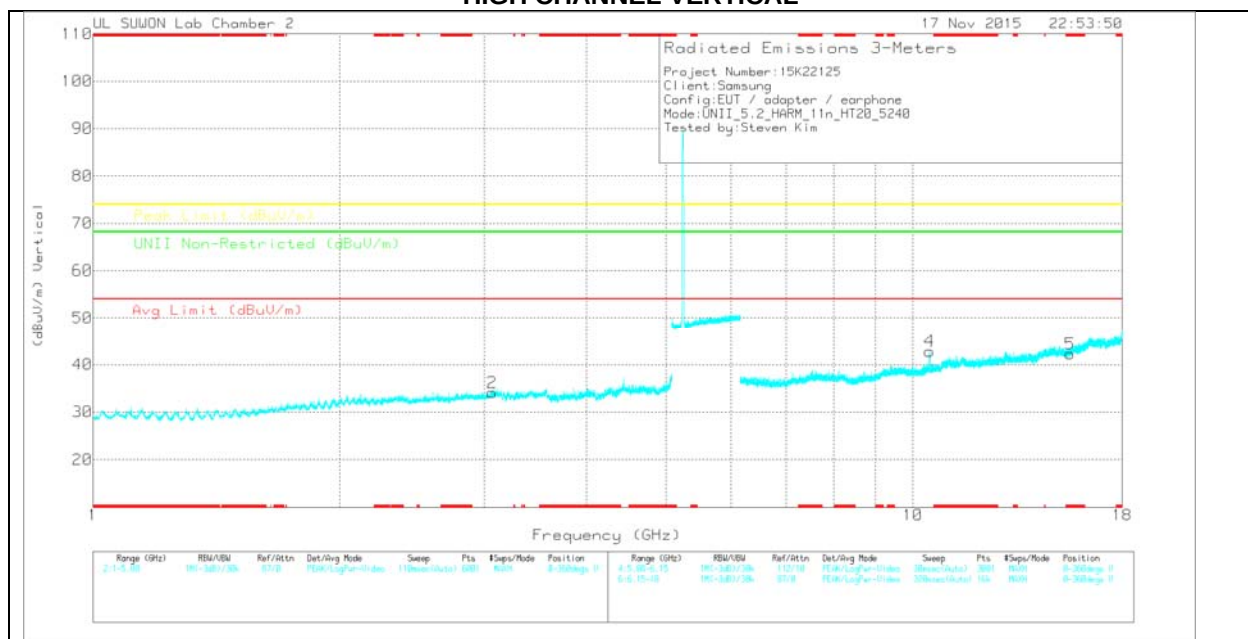
PK-U - U-NII: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_4	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	3.079	28.65	PK	32.5	-26.4	0	34.75	-	-	-	-	68.2	-33.45	0-360	200	H
2	3.066	28	PK	32.5	-26.4	0	34.1	-	-	-	-	68.2	-34.1	0-360	200	V
3	10.475	23.09	PK	37.7	-17.9	0	42.89	-	-	-	-	68.2	-25.31	0-360	200	H
6	* 15.543	18.87	PK	39.9	-16.1	0	42.67	-	-	74	-31.33	-	-	0-360	100	H
4	10.479	23.05	PK	37.7	-17.9	0	42.85	-	-	-	-	68.2	-25.35	0-360	200	V
5	* 15.541	18.5	PK	39.9	-16.1	0	42.3	-	-	74	-31.7	-	-	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	3117(0016872 4)_150619	Path_5	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
10.483	31.96	PK-U	37.7	-17.9	0	51.76	-	-	-	-	68.2	-16.44	341	237	H
10.48	36.86	PK-U	37.7	-17.9	0	56.66	-	-	-	-	68.2	-11.54	214	242	V

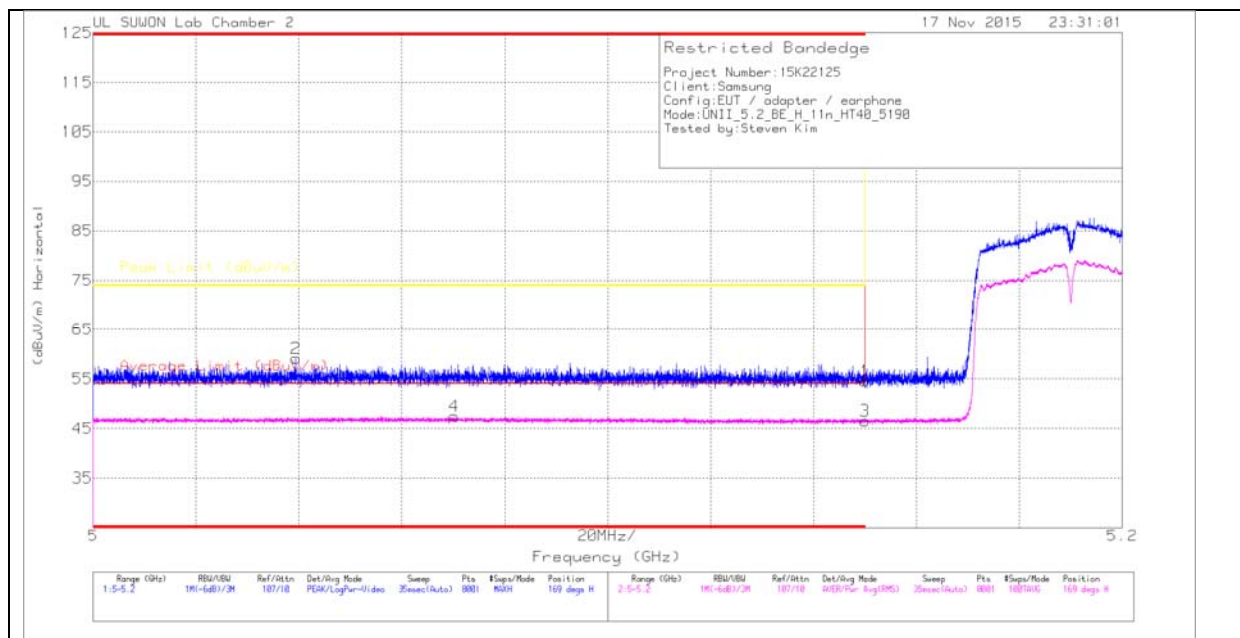
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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

Trace Markers

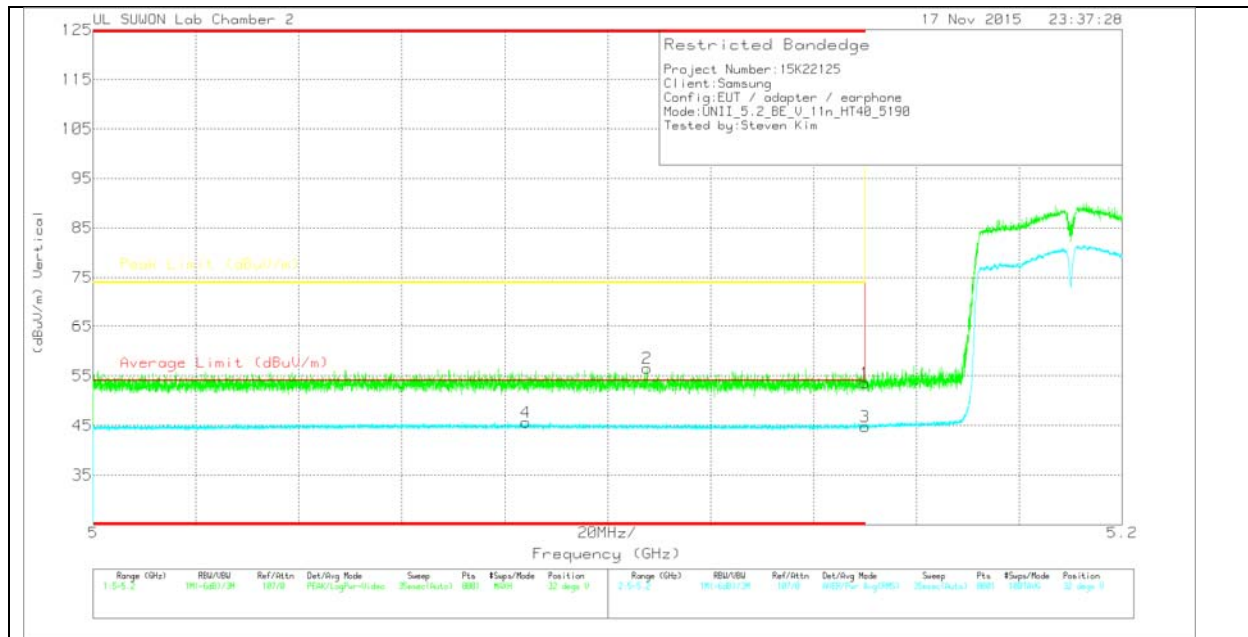
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.89	Pk	34.1	-16.4	0	54.59	-	-	74	-19.41	169	266	H
2	* 5.039	41.41	Pk	34	-16.3	0	59.11	-	-	74	-14.89	169	266	H
3	* 5.15	28.23	RMS	34.1	-16.4	.62	46.55	54	-7.45	-	-	169	266	H
4	* 5.07	29.14	RMS	34	-16.3	.62	47.46	54	-6.54	-	-	169	266	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	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	35.8	Pk	34.1	-16.4	0	53.5	-	-	74	-20.5	32	283	V
2	* 5.108	38.8	Pk	34.1	-16.4	0	56.5	-	-	74	-17.5	32	283	V
3	* 5.15	26.39	RMS	34.1	-16.4	.62	44.71	54	-9.29	-	-	32	283	V
4	* 5.084	27.36	RMS	34	-16.3	.62	45.68	54	-8.32	-	-	32	283	V

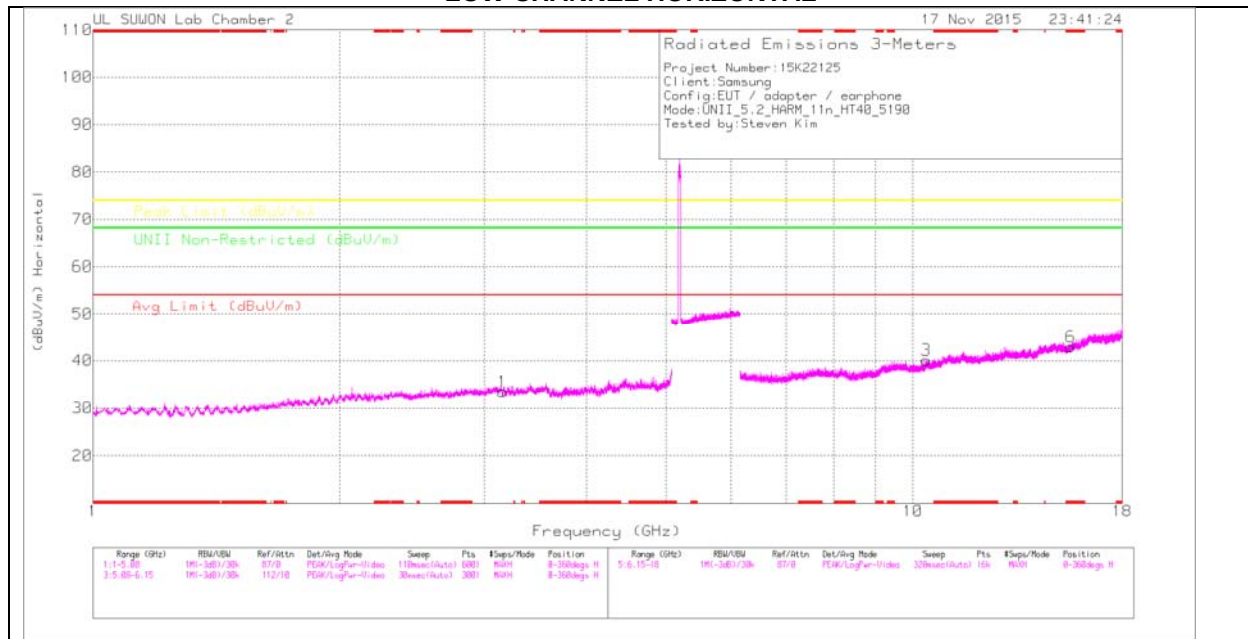
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

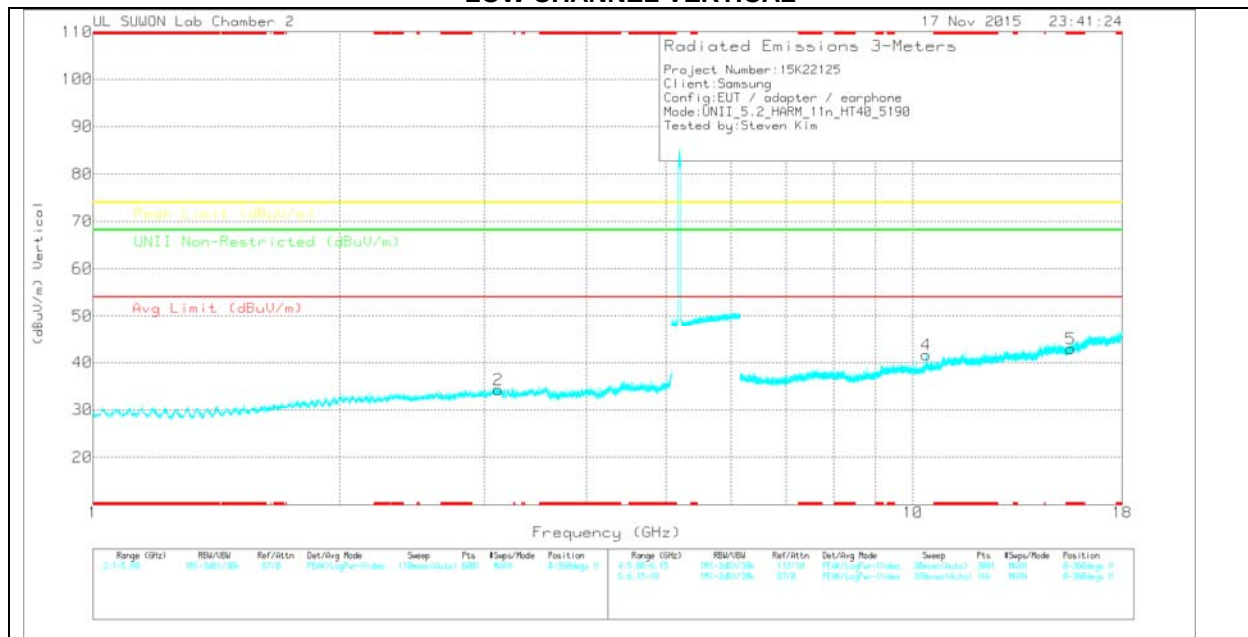
RMS - RMS detection

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

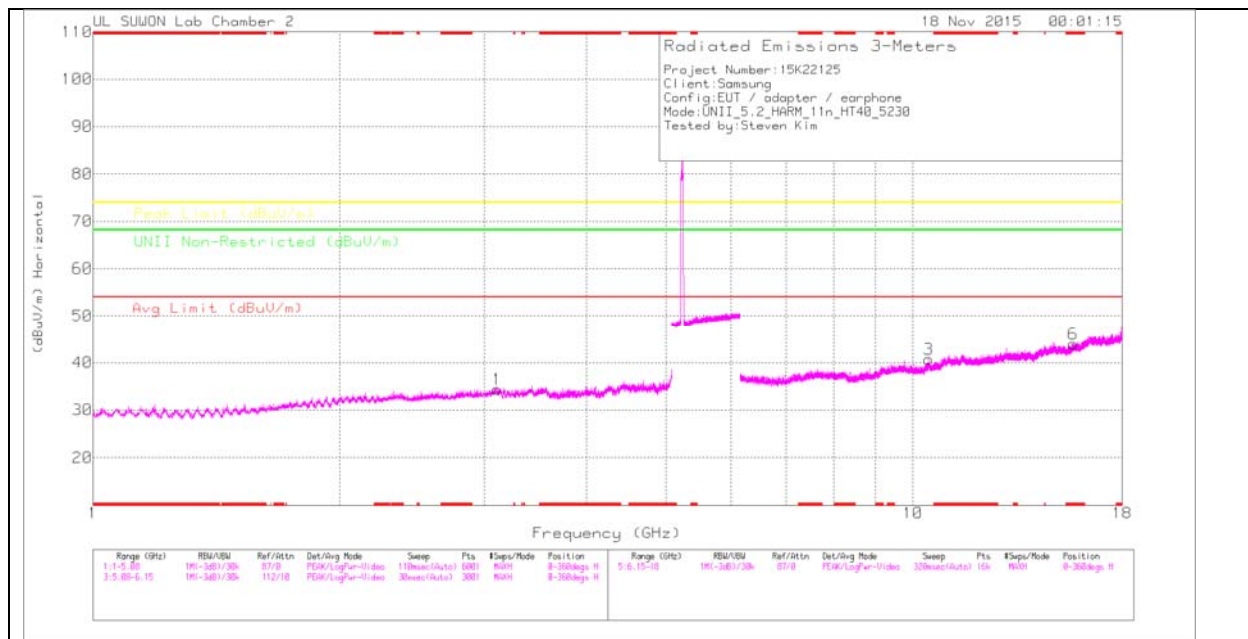
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724/150 619	Path_4	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	3.157	27.17	PK	32.5	-26.2	0	33.47	-	-	-	-	68.2	-34.73	0-360	200	H
2	3.118	28.1	PK	32.5	-26.4	0	34.2	-	-	-	-	68.2	-34	0-360	100	V
3	10.379	20.53	PK	37.6	-18	0	40.13	-	-	-	-	68.2	-28.07	0-360	200	H
6	* 15.574	19.13	PK	40	-16.2	0	42.93	-	-	74	-31.07	-	-	0-360	200	H
4	10.379	21.97	PK	37.6	-18	0	41.57	-	-	-	-	68.2	-26.63	0-360	200	V
5	* 15.569	19.15	PK	40	-16.2	0	42.95	-	-	74	-31.05	-	-	0-360	100	V

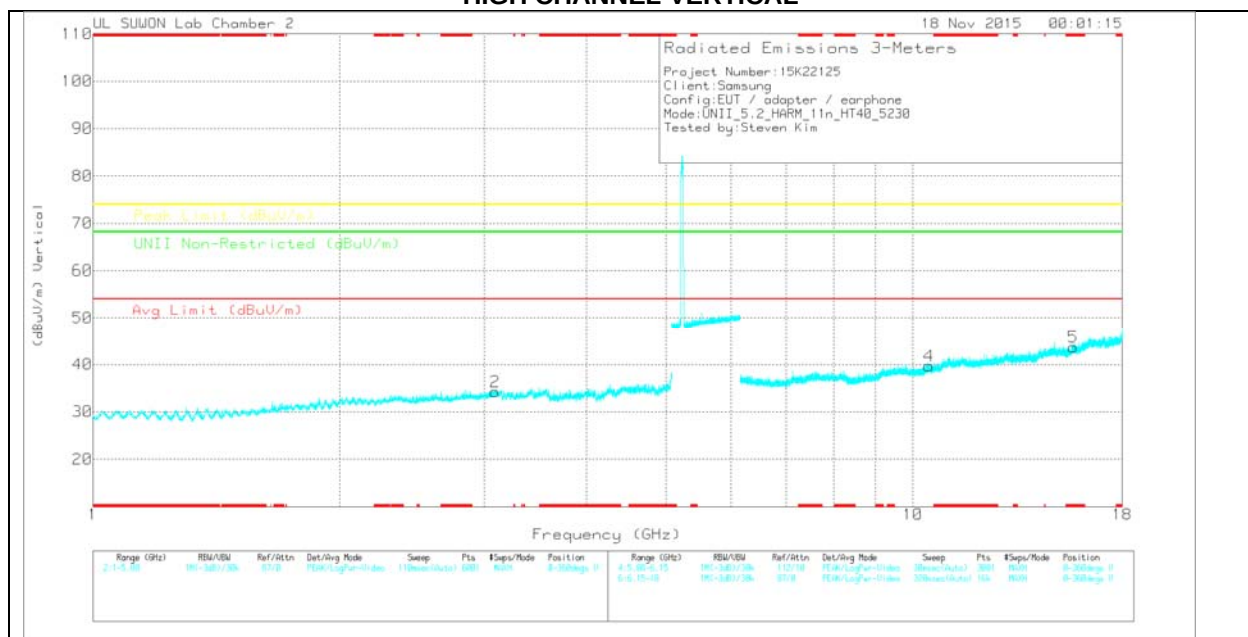
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_4	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	3.112	28.24	PK	32.5	-26.4	0	34.34	-	-	-	-	68.2	-33.86	0-360	100	H
2	3.092	28.21	PK	32.5	-26.5	0	34.21	-	-	-	-	68.2	-33.99	0-360	200	V
3	10.459	20.81	PK	37.7	-17.8	0	40.71	-	-	-	-	68.2	-27.49	0-360	200	H
6	* 15.686	20.35	PK	40.1	-16.5	0	43.95	-	-	74	-30.05	-	-	0-360	100	H
4	10.461	19.77	PK	37.7	-17.8	0	39.67	-	-	-	-	68.2	-28.53	0-360	200	V
5	* 15.689	20.07	PK	40.1	-16.5	0	43.67	-	-	74	-30.33	-	-	0-360	200	V

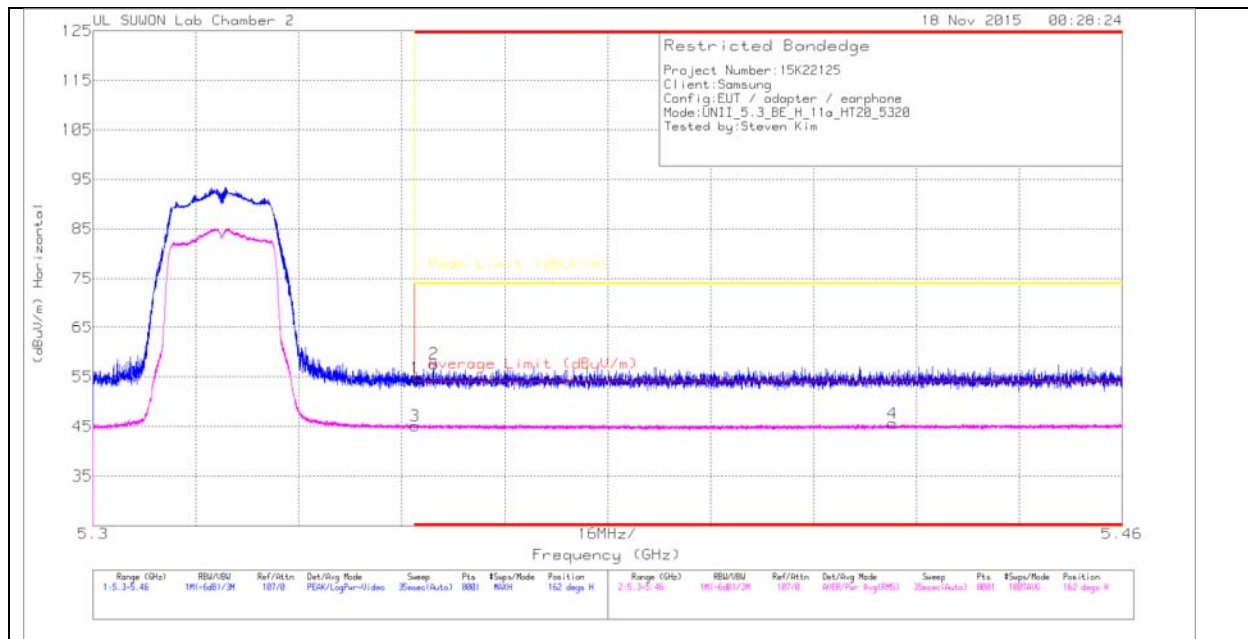
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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

Trace Markers

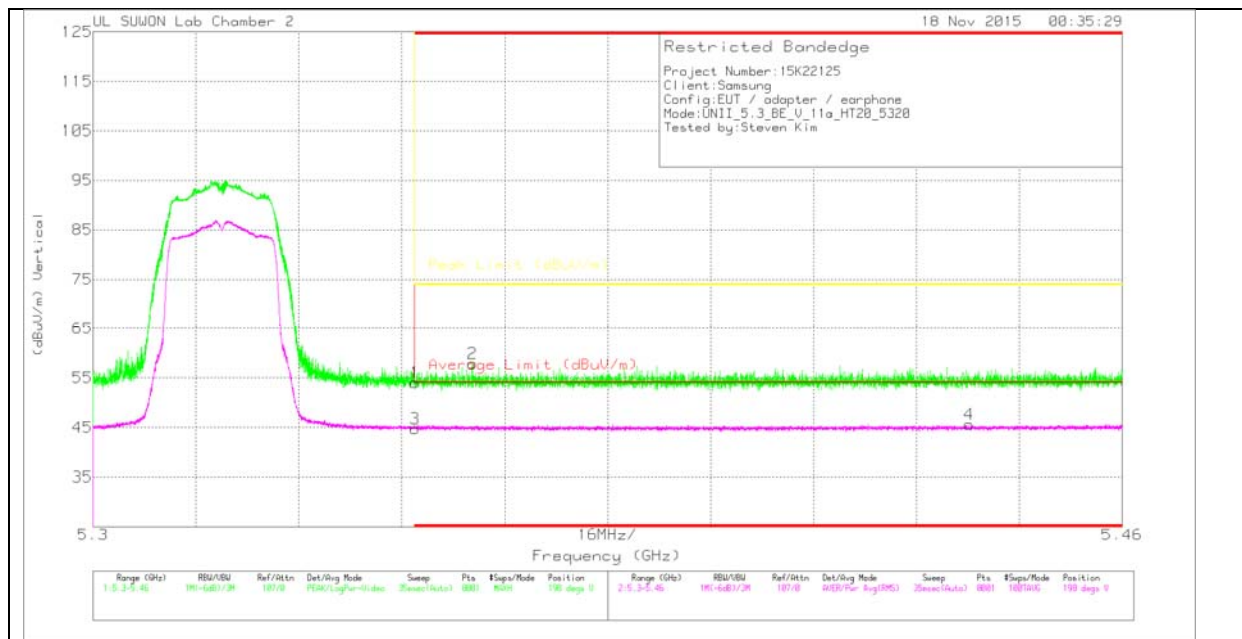
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.73	Pk	34.4	-16.3	0	54.83	-	-	74	-19.17	162	282	H
2	* 5.353	39.52	Pk	34.4	-16.3	0	57.62	-	-	74	-16.38	162	282	H
3	* 5.35	26.78	RMS	34.4	-16.3	.3	45.18	54	-8.82	-	-	162	282	H
4	* 5.424	27.2	RMS	34.4	-16.3	.3	45.6	54	-8.4	-	-	162	282	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 24_150619	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	35.97	Pk	34.4	-16.3	0	54.07	-	-	74	-19.93	198	100	V
2	* 5.359	39.74	Pk	34.4	-16.3	0	57.84	-	-	74	-16.16	198	100	V
3	* 5.35	26.31	RMS	34.4	-16.3	.3	44.71	54	-9.29	-	-	198	100	V
4	* 5.436	27.15	RMS	34.5	-16.3	.3	45.65	54	-8.35	-	-	198	100	V

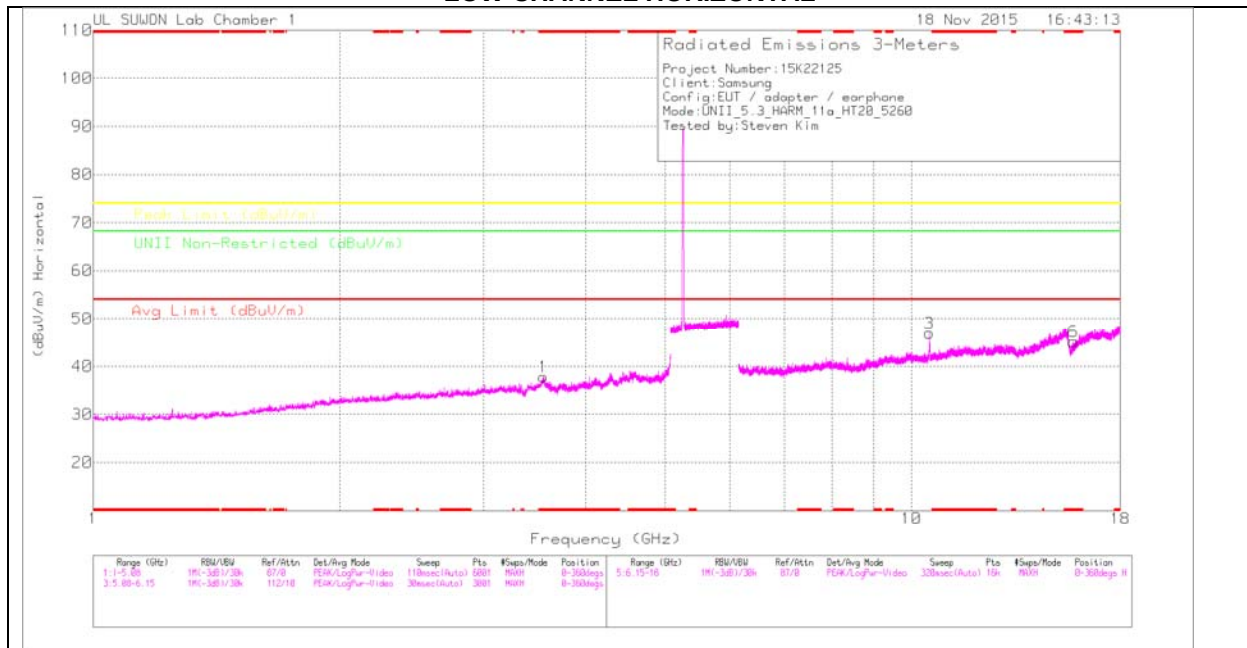
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

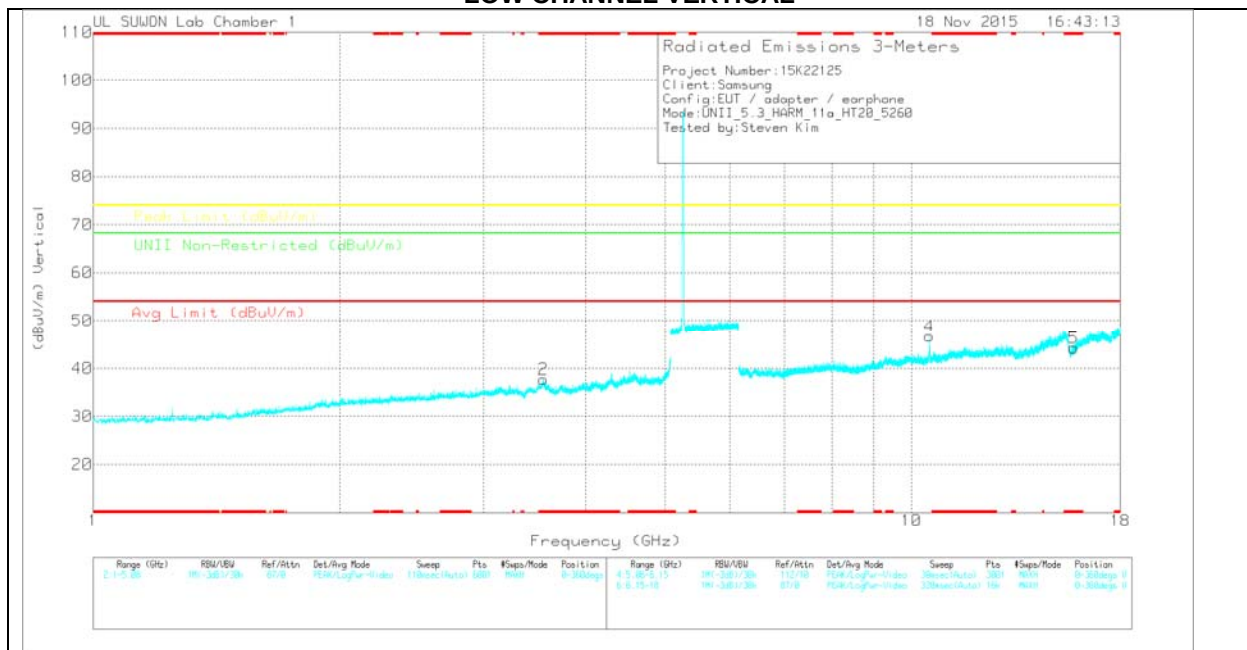
RMS - RMS detection

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	3117(0016 8717)_150 619	Path_4	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	* 3.549	39.51	Pk	32.8	-34.5	0	37.81	-	-	74	-36.19	-	-	0-360	100	H
2	* 3.549	39.44	Pk	32.8	-34.5	0	37.74	-	-	74	-36.26	-	-	0-360	200	V
3	10.522	35.74	Pk	37.9	-26.7	0	46.94	-	-	-	-	68.2	-21.26	0-360	200	H
6	* 15.775	23.44	Pk	40.4	-18.7	0	45.14	-	-	74	-28.86	-	-	0-360	200	H
4	10.521	35.51	Pk	37.9	-26.7	0	46.71	-	-	-	-	68.2	-21.49	0-360	100	V
5	* 15.791	22.86	Pk	40.4	-19	0	44.26	-	-	74	-29.74	-	-	0-360	100	V

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

Pk – Peak Detector

Radiated Emissions

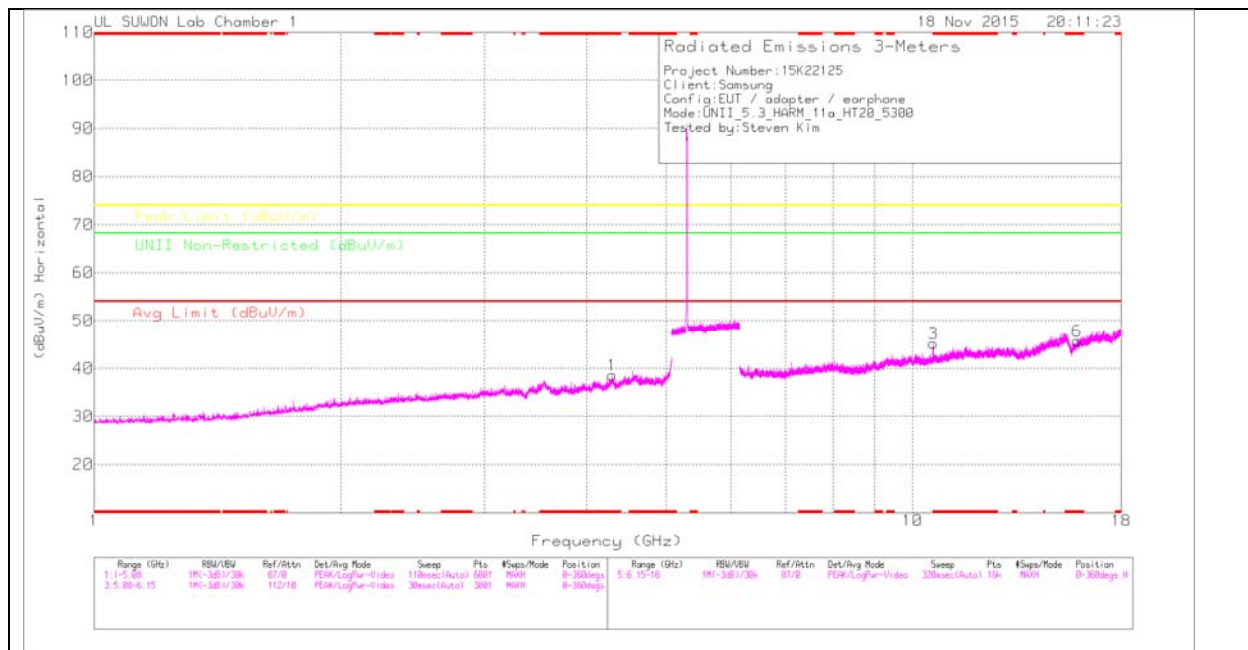
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.523	47.35	PK-U	37.9	-26.7	0	58.55	-	-	-	-	68.2	-9.65	284	218	H
10.523	45.81	PK-U	37.9	-26.7	0	57.01	-	-	-	-	68.2	-11.19	193	261	V

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

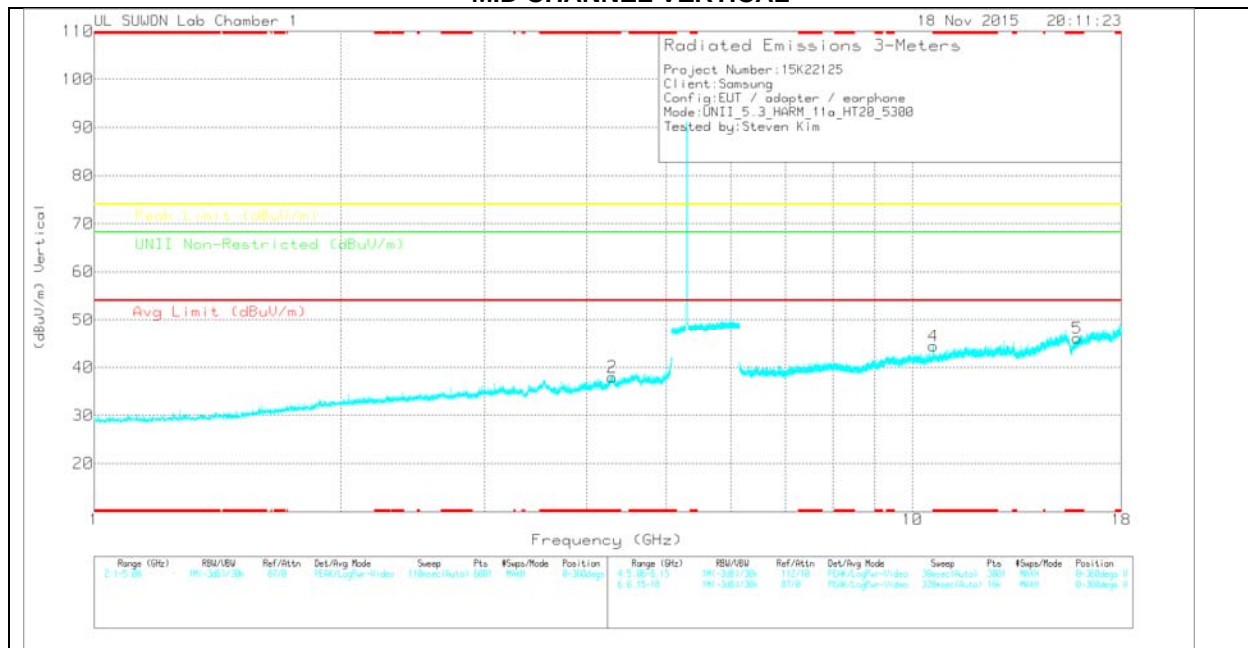
PK-U - U-NII: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 4.296	37.38	PK	33.7	-32.5	0	38.58	-	-	74	-35.42	-	-	0-360	200	H
2	* 4.298	36.77	PK	33.7	-32.5	0	37.97	-	-	74	-36.03	-	-	0-360	200	V
3	* 10.603	33.57	PK	37.9	-26.3	0	45.17	-	-	74	-28.83	-	-	0-360	200	H
6	* 15.894	25.59	PK	40.5	-20.4	0	45.69	-	-	74	-28.31	-	-	0-360	100	H
4	* 10.604	32.82	PK	37.9	-26.3	0	44.42	-	-	74	-29.58	-	-	0-360	200	V
5	* 15.899	26.03	PK	40.5	-20.4	0	46.13	-	-	74	-27.87	-	-	0-360	100	V

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

PK - Peak Detector

Radiated Emissions

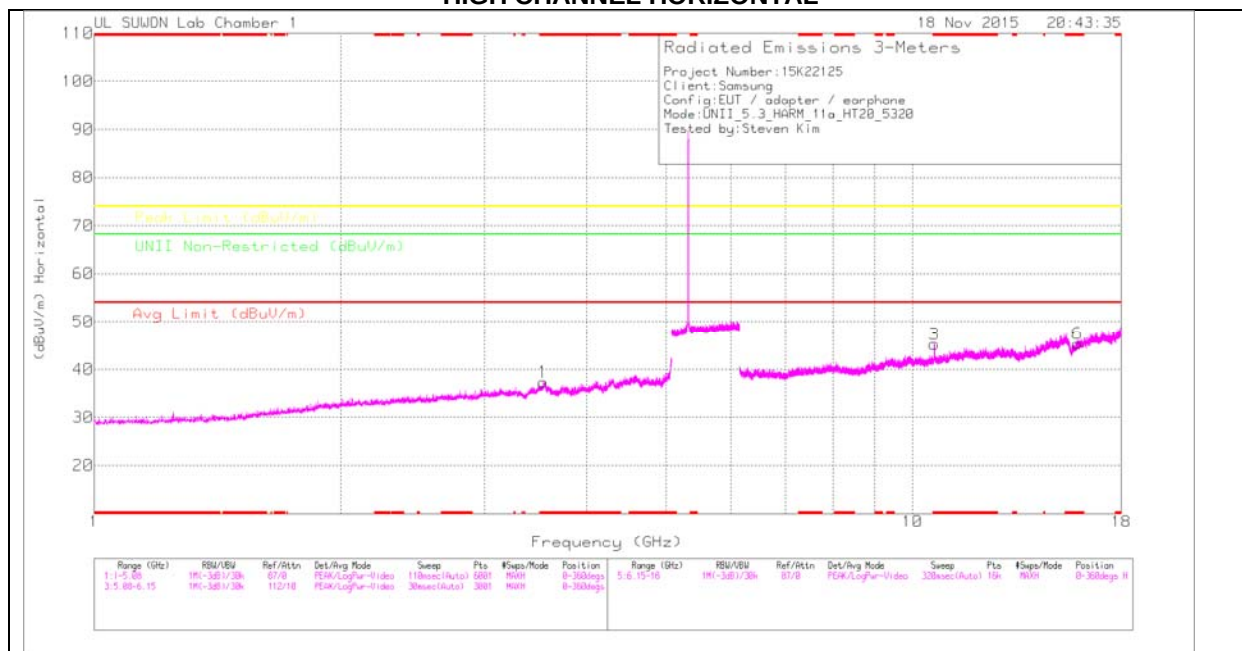
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.601	45.35	PK2	37.9	-26.3	0	56.95	-	-	74	-17.05	-	-	230	180	H
* 10.602	31.24	MAV1	37.9	-26.3	.3	43.14	54	-10.86	-	-	-	-	230	180	H
* 10.601	45.96	PK2	37.9	-26.3	0	57.56	-	-	74	-16.44	-	-	213	236	V
* 10.602	32.58	MAV1	37.9	-26.3	.3	44.48	54	-9.52	-	-	-	-	213	236	V

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

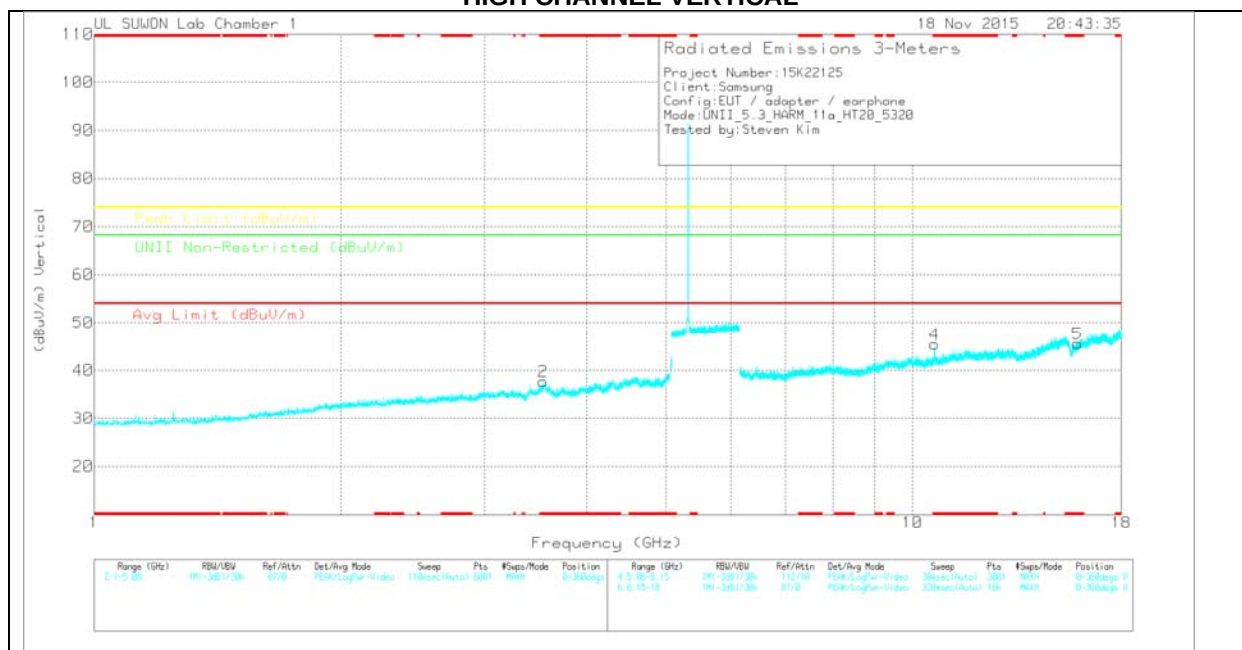
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.54	39.04	PK	32.8	-34.5	0	37.34	-	-	74	-36.66	-	-	0-360	100	H
2	* 3.536	39.4	PK	32.8	-34.5	0	37.7	-	-	74	-36.3	-	-	0-360	200	V
3	* 10.636	34.28	PK	37.9	-26.9	0	45.28	-	-	74	-28.72	-	-	0-360	200	H
6	* 15.915	25.19	PK	40.5	-20.3	0	45.39	-	-	74	-28.61	-	-	0-360	200	H
4	* 10.643	34.56	PK	38	-27.1	0	45.46	-	-	74	-28.54	-	-	0-360	100	V
5	* 15.911	25.46	PK	40.5	-20.4	0	45.56	-	-	74	-28.44	-	-	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	3117(001687 17)_150619	Path_5	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
* 10.641	46.88	PK2	38	-27	0	57.88	-	-	74	-16.12	-	-	233	184	H
* 10.643	32.93	MAV1	38	-27	.3	44.23	54	-9.77	-	-	-	-	233	184	H
* 10.644	45.12	PK2	38	-27.1	0	56.02	-	-	74	-17.98	-	-	203	245	V
* 10.642	30.88	MAV1	38	-27	.3	42.18	54	-11.82	-	-	-	-	203	245	V

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

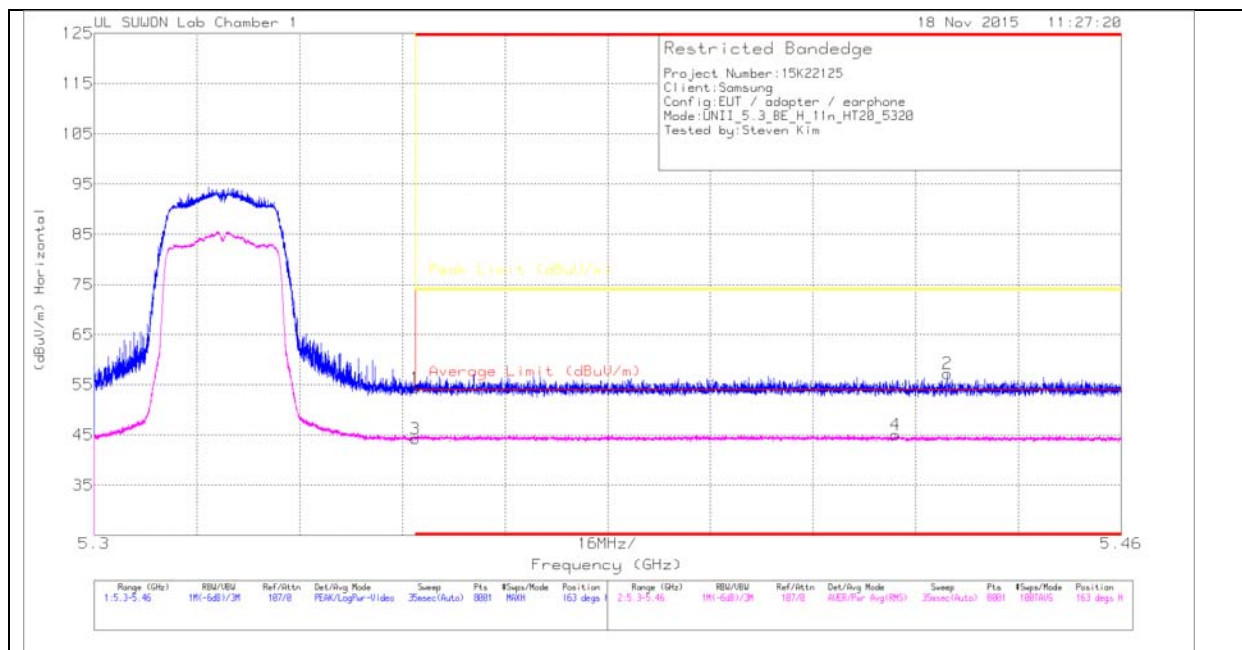
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS 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

Trace Markers

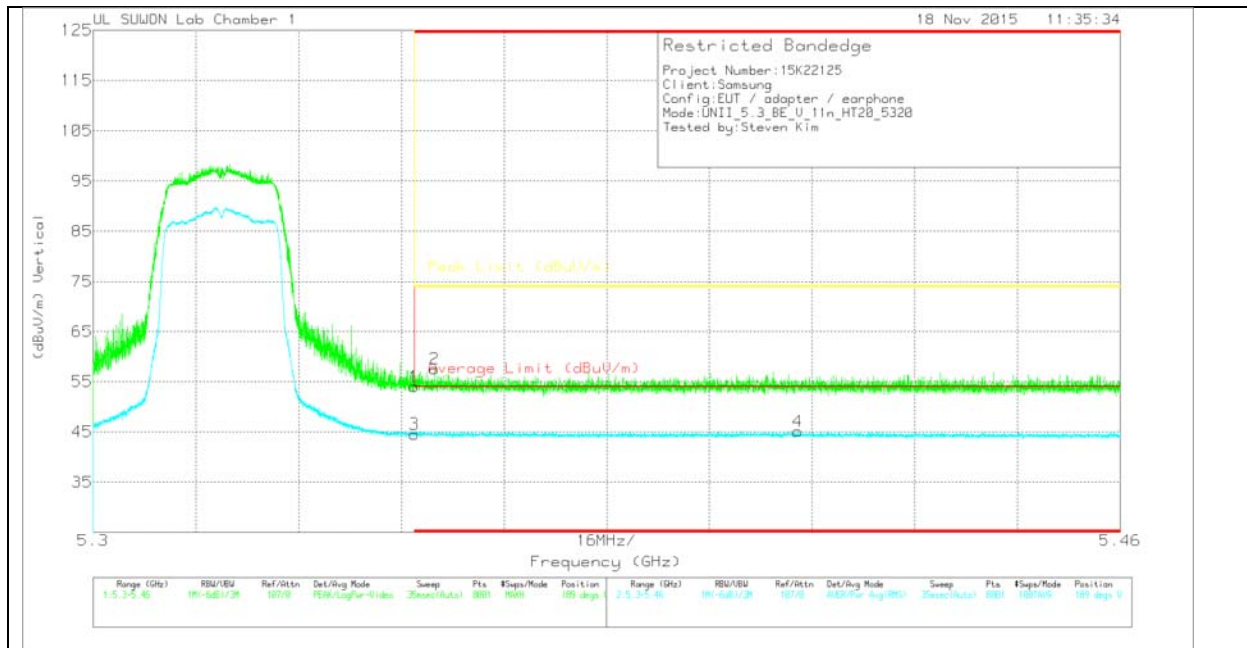
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.75	Pk	34.5	-22.9	0	54.35	-	-	74	-19.65	163	166	H
2	* 5.433	45.22	Pk	34.6	-22.6	0	57.22	-	-	74	-16.78	163	166	H
3	* 5.35	32.33	RMS	34.5	-22.9	.32	44.25	54	-9.75	-	-	163	166	H
4	* 5.425	32.83	RMS	34.6	-22.7	.32	45.05	54	-8.95	-	-	163	166	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	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	42.43	Pk	34.5	-22.9	0	54.03	-	-	74	-19.97	189	103	V
2	* 5.353	45.92	Pk	34.5	-22.9	0	57.52	-	-	74	-16.48	189	103	V
3	* 5.35	32.64	RMS	34.5	-22.9	.32	44.56	54	-9.44	-	-	189	103	V
4	* 5.41	32.91	RMS	34.6	-22.7	.32	45.13	54	-8.87	-	-	189	103	V

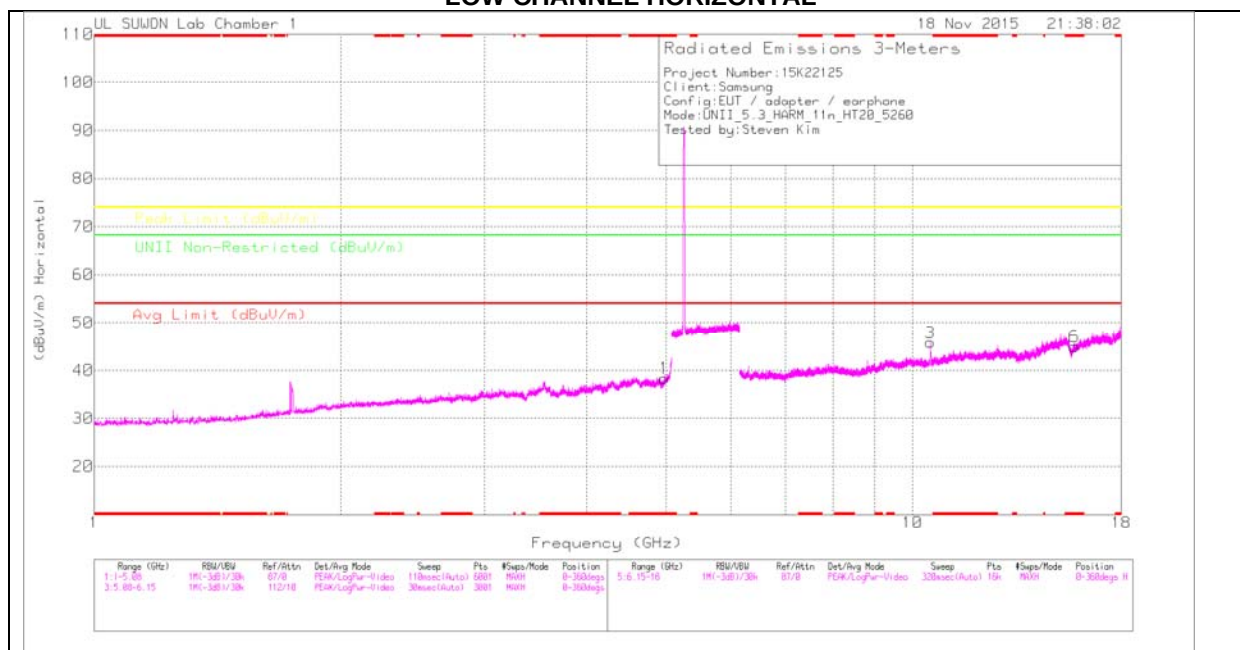
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

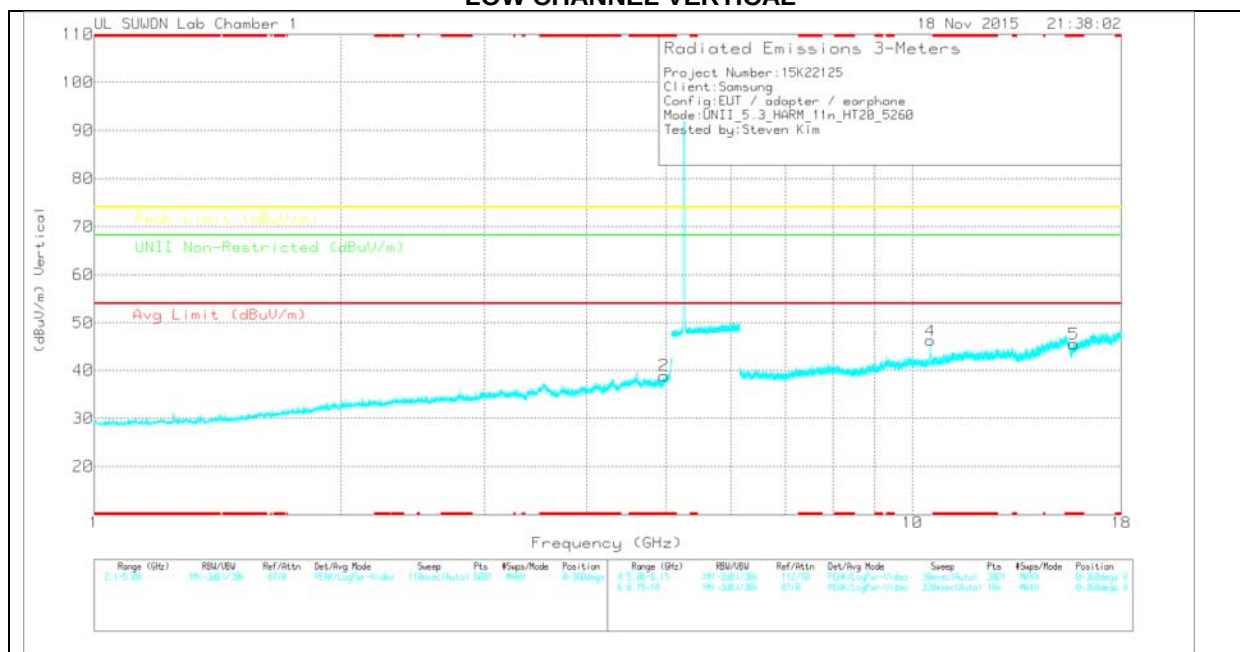
RMS - RMS detection

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	3117(0016 8717)_150 619	Path_4	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	* 4.972	36.07	Pk	34.1	-31.8	0	38.37	-	-	74	-35.63	-	-	0-360	100	H
2	* 4.971	36.59	Pk	34.1	-31.8	0	38.89	-	-	74	-35.11	-	-	0-360	100	V
3	10.518	34.73	Pk	37.9	-26.8	0	45.83	-	-	-	-	68.2	-22.37	0-360	200	H
6	* 15.775	23.29	Pk	40.4	-18.7	0	44.99	-	-	74	-29.01	-	-	0-360	200	H
4	10.517	35.11	Pk	37.9	-26.8	0	46.21	-	-	-	-	68.2	-21.99	0-360	200	V
5	* 15.749	23.4	Pk	40.4	-18.3	0	45.5	-	-	74	-28.5	-	-	0-360	200	V

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

Pk – Peak Detector

Radiated Emissions

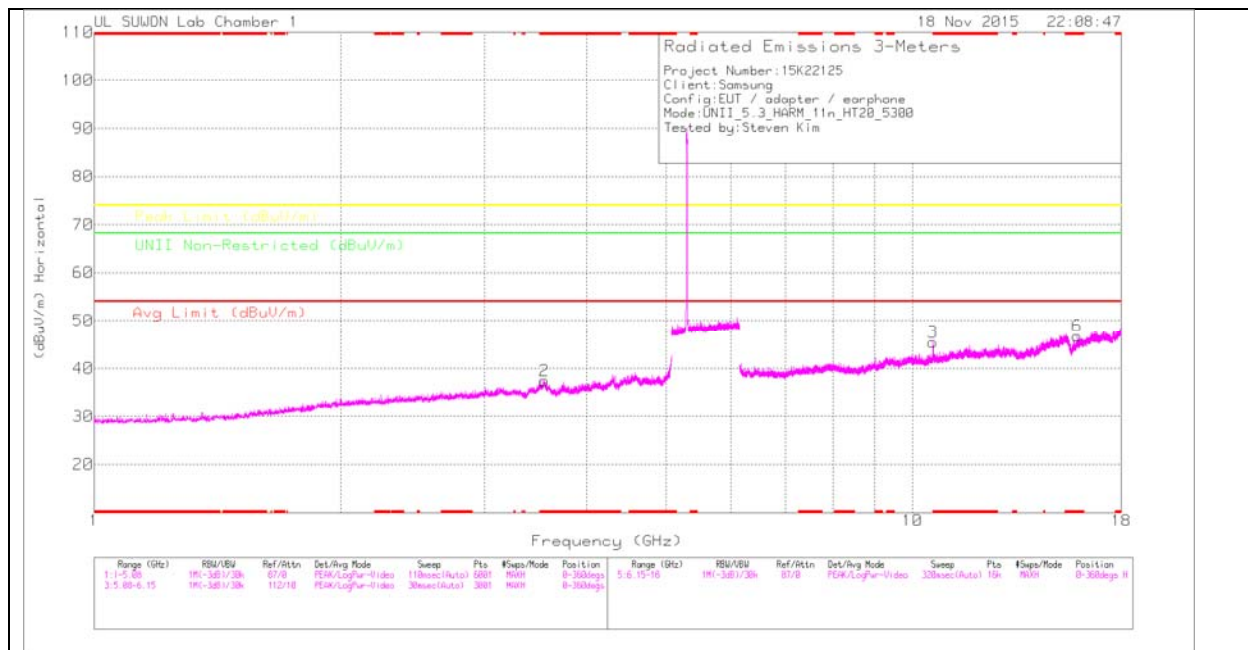
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.522	46.75	PK2	37.9	-26.7	0	57.95	-	-	-	-	68.2	-10.25	286	251	H
10.522	49.55	PK2	37.9	-26.7	0	60.75	-	-	-	-	68.2	-7.45	223	229	V

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

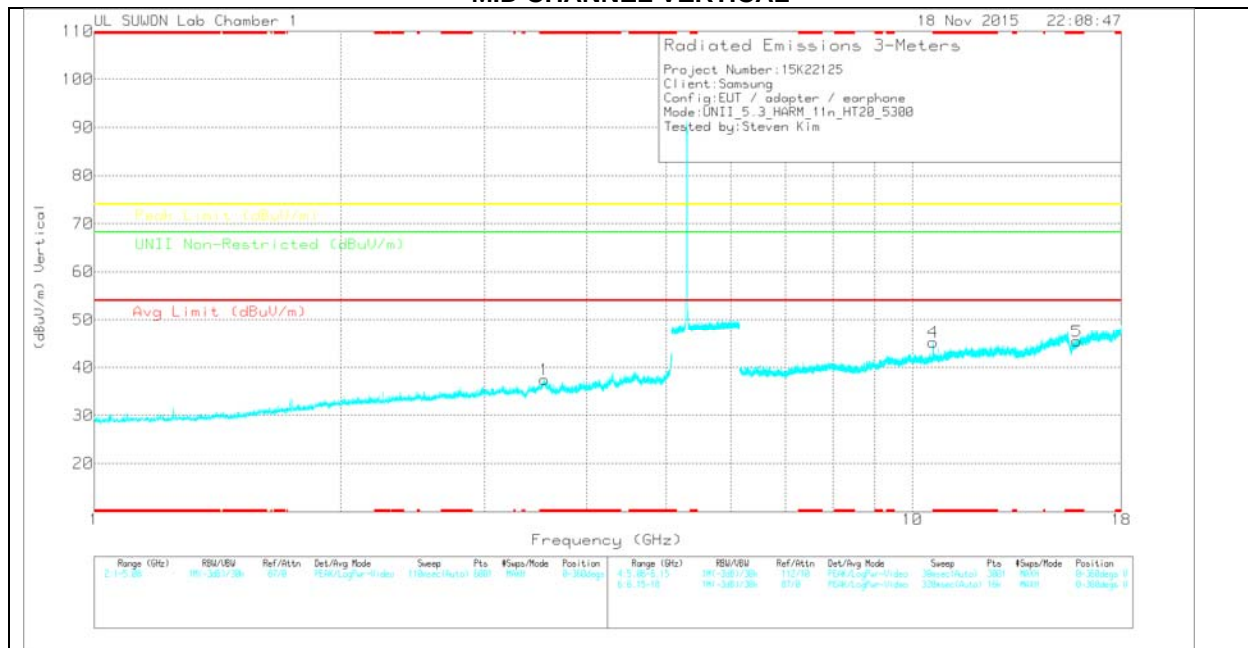
PK2 - KDB558074 Method: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.549	39.09	Pk	32.8	-34.5	0	37.39	-	-	74	-36.61	-	-	0-360	200	H
1	* 3.553	39.11	Pk	32.8	-34.5	0	37.41	-	-	74	-36.59	-	-	0-360	100	V
3	10.594	33.89	Pk	37.9	-26.3	0	45.49	-	-	-	-	68.2	-22.71	0-360	200	H
6	* 15.899	26.69	Pk	40.5	-20.4	0	46.79	-	-	74	-27.21	-	-	0-360	200	H
4	* 10.601	33.65	Pk	37.9	-26.3	0	45.25	-	-	74	-28.75	-	-	0-360	100	V
5	* 15.886	25.44	Pk	40.5	-20.5	0	45.44	-	-	74	-28.56	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

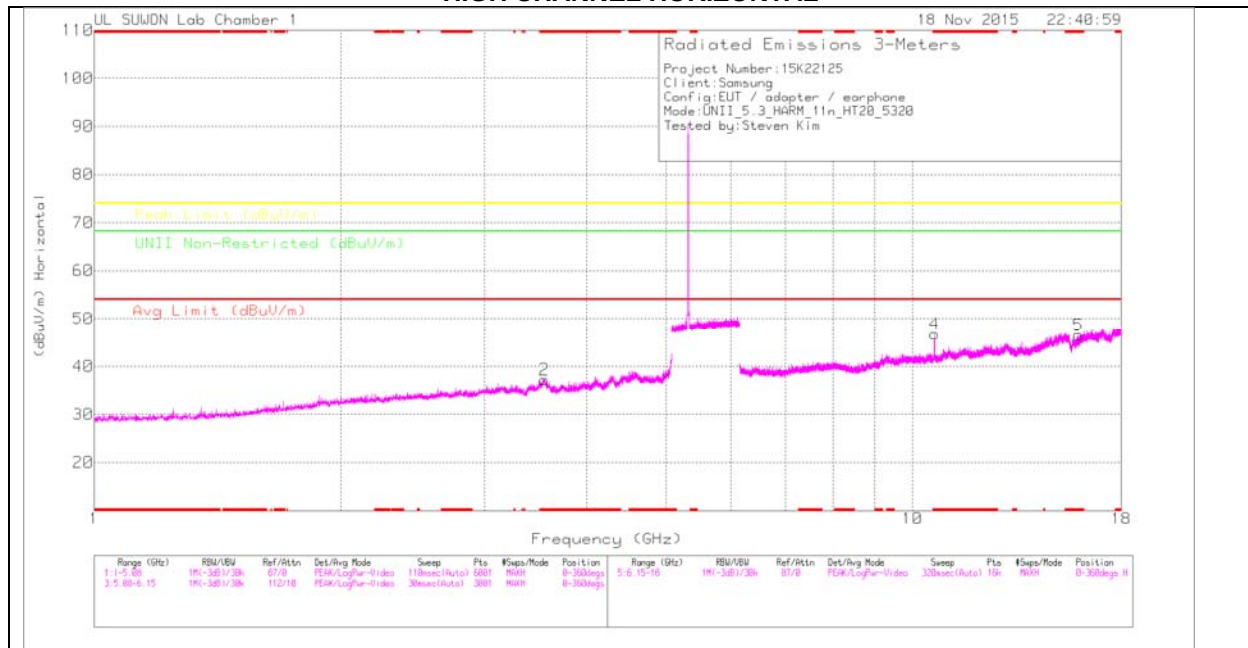
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.602	48.36	PK2	37.9	-26.3	0	59.96	-	-	74	-14.04	-	-	286	182	H
* 10.601	32.65	MAv1	37.9	-26.3	.32	44.57	54	-9.43	-	-	-	-	286	182	H
* 10.601	45.7	PK2	37.9	-26.3	0	57.3	-	-	74	-16.7	-	-	199	257	V
* 10.601	31.71	MAv1	37.9	-26.3	.32	43.63	54	-10.37	-	-	-	-	199	257	V

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

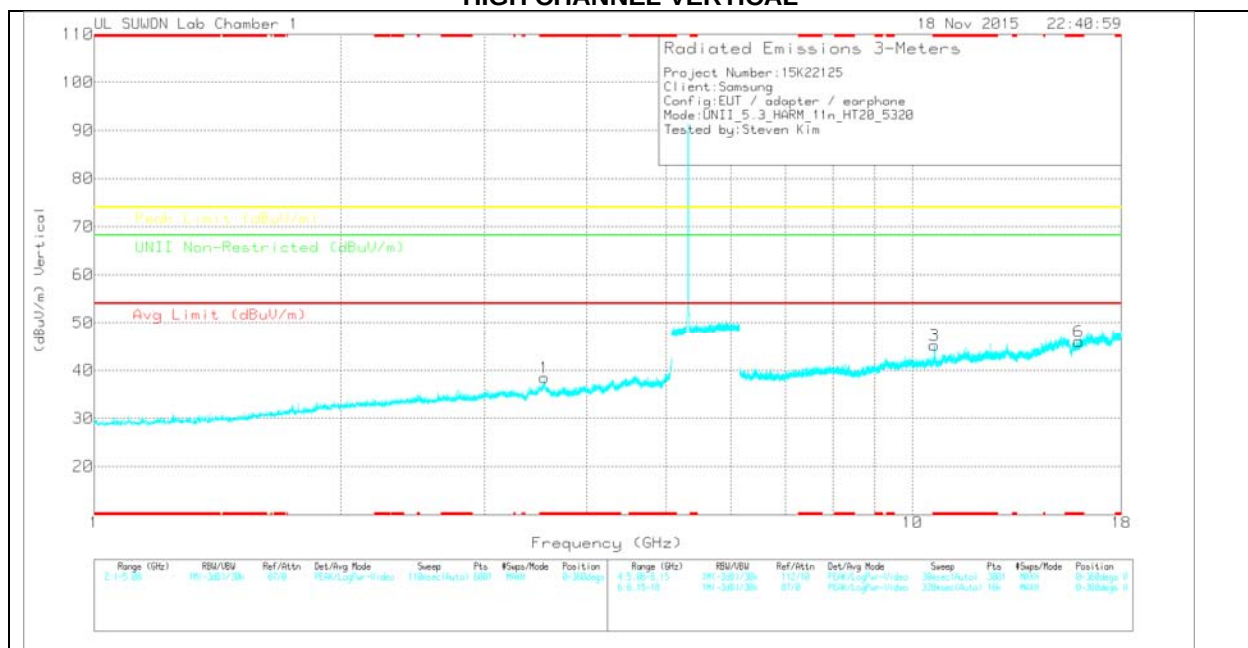
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.549	38.9	Pk	32.8	-34.5	0	37.2	-	-	74	-36.8	-	-	0-360	200	H
1	* 3.552	40.16	Pk	32.8	-34.5	0	38.46	-	-	74	-35.54	-	-	0-360	200	V
4	* 10.64	35.88	Pk	37.9	-27	0	46.78	-	-	74	-27.22	-	-	0-360	200	H
5	* 15.958	26.34	Pk	40.6	-20.4	0	46.54	-	-	74	-27.46	-	-	0-360	200	H
3	* 10.639	34.33	Pk	37.9	-27	0	45.23	-	-	74	-28.77	-	-	0-360	200	V
6	* 15.969	25.93	Pk	40.6	-20.5	0	46.03	-	-	74	-27.97	-	-	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	3117(001687 17)_150619	Path_5	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
* 10.642	46.94	PK2	38	-27	0	57.94	-	-	74	-16.06	-	-	283	269	H
* 10.642	32	MAV1	38	-27	32	43.32	54	-10.68	-	-	-	-	283	269	H
* 10.643	48.46	PK2	38	-27	0	59.46	-	-	74	-14.54	-	-	200	387	V
* 10.641	32.91	MAV1	38	-27	32	44.23	54	-9.77	-	-	-	-	200	387	V

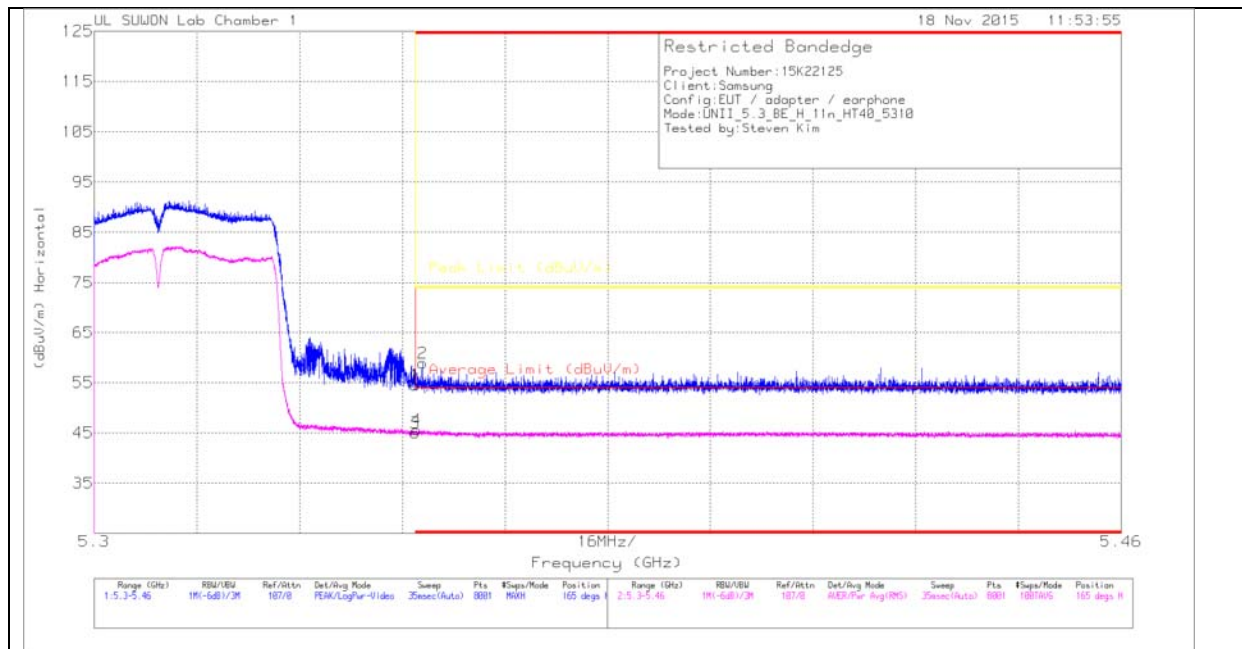
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS 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

Trace Markers

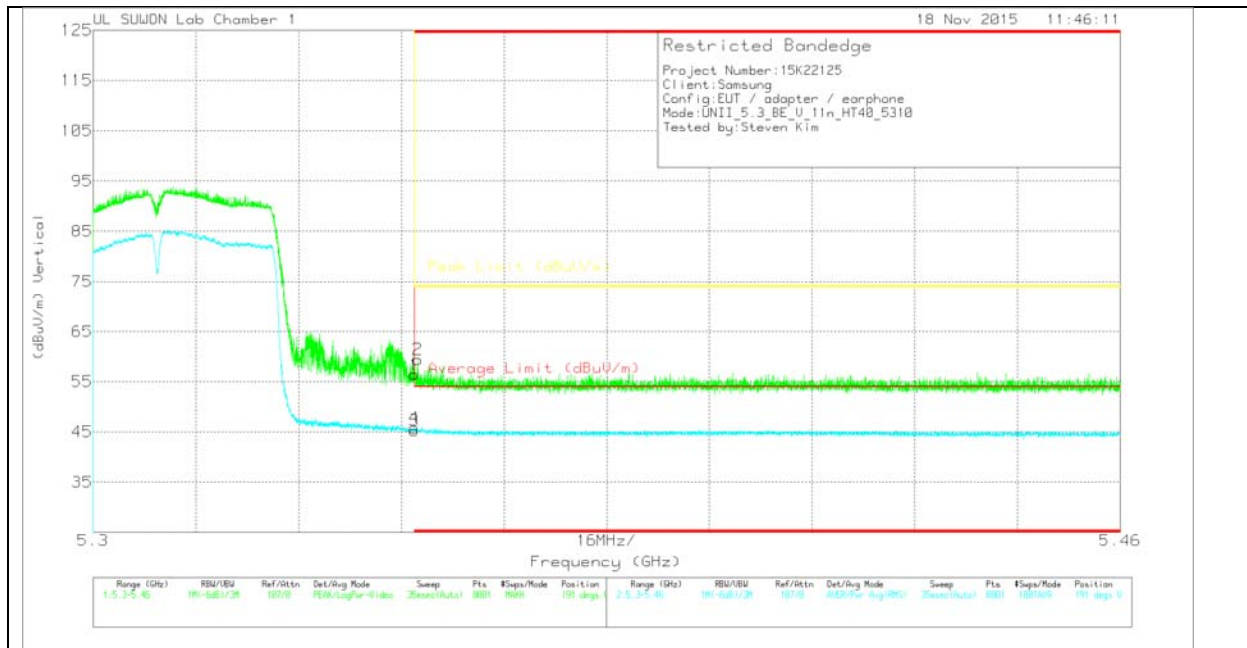
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17_150619)	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.98	Pk	34.5	-22.9	0	54.58	-	-	74	-19.42	165	164	H
2	* 5.351	47.28	Pk	34.5	-22.9	0	58.88	-	-	74	-15.12	165	164	H
3	* 5.35	32.76	RMS	34.5	-22.9	.62	44.98	54	-9.02	-	-	165	164	H
4	* 5.35	33.39	RMS	34.5	-22.9	.62	45.61	54	-8.39	-	-	165	164	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	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	44.86	PK	34.5	-22.9	0	56.46	-	-	74	-17.54	191	245	V
2	* 5.351	47.81	PK	34.5	-22.9	0	59.41	-	-	74	-14.59	191	245	V
3	* 5.35	33.09	RMS	34.5	-22.9	.62	45.31	54	-8.69	-	-	191	245	V
4	* 5.35	33.6	RMS	34.5	-22.9	.62	45.82	54	-8.18	-	-	191	245	V

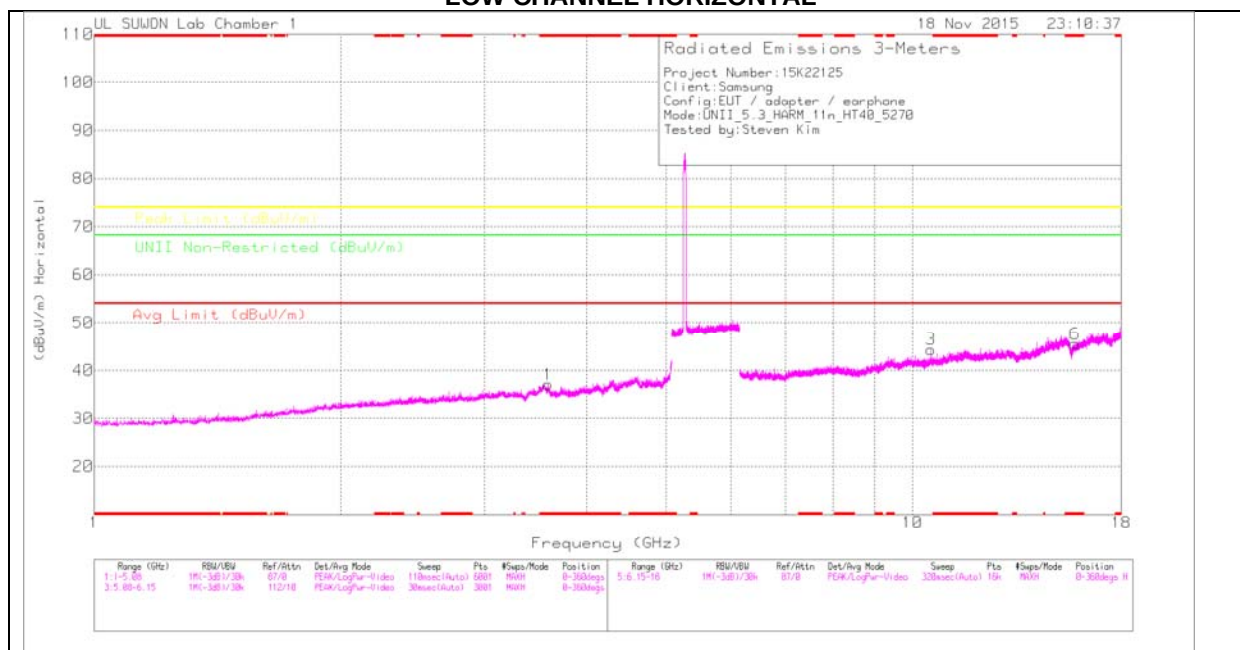
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

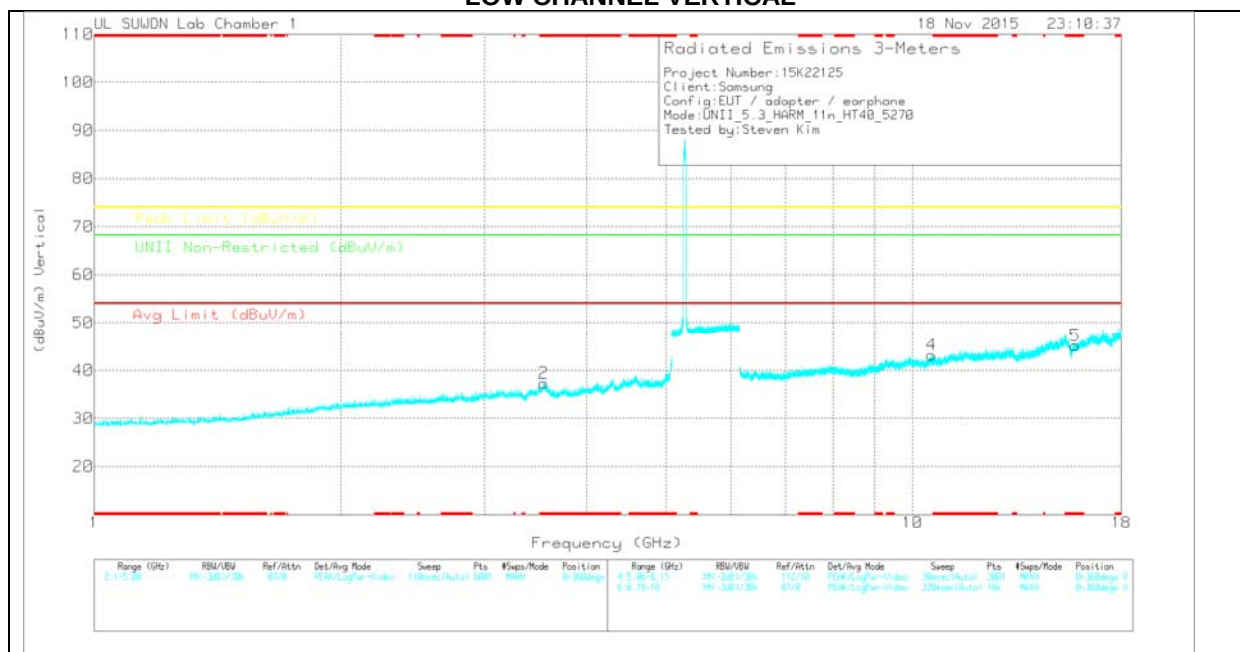
RMS - RMS detection

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

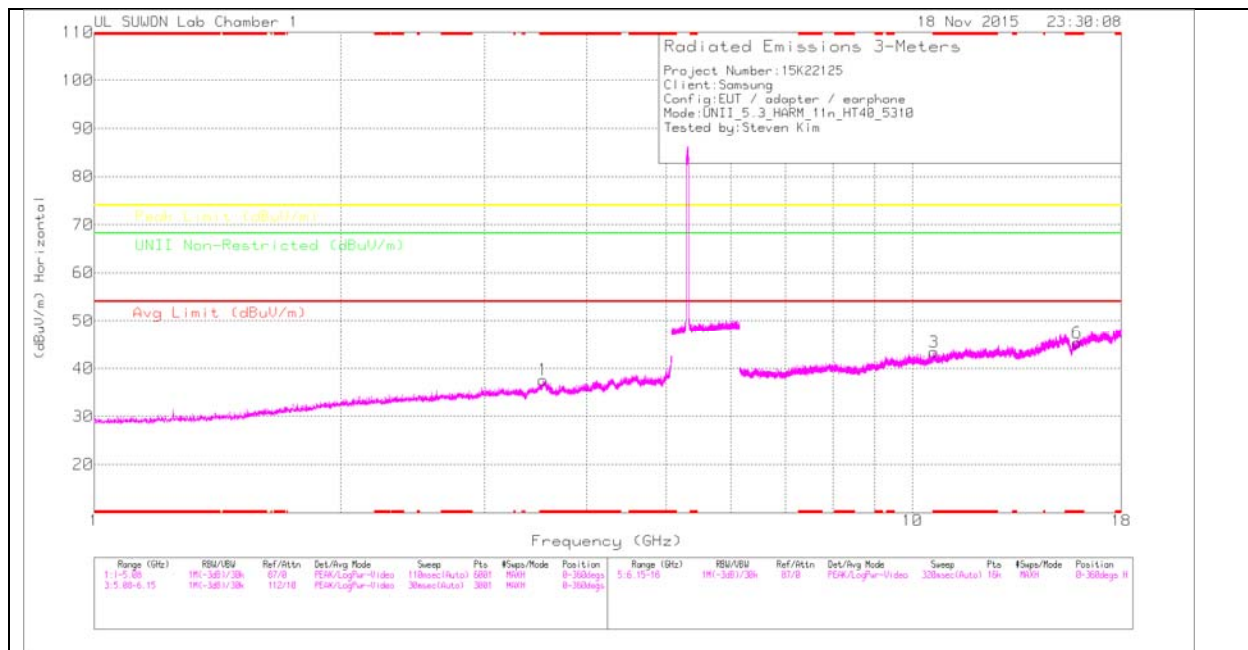
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.587	38.34	Pk	32.9	-34.2	0	37.04	-	-	74	-36.96	-	-	0-360	100	H
2	* 3.543	39.05	Pk	32.8	-34.5	0	37.35	-	-	74	-36.65	-	-	0-360	100	V
3	10.533	33.07	Pk	37.9	-26.6	0	44.37	-	-	-	-	68.2	-23.83	0-360	200	H
6	* 15.806	24.47	Pk	40.5	-19.4	0	45.57	-	-	74	-28.43	-	-	0-360	200	H
4	10.553	31.62	Pk	37.9	-26.3	0	43.22	-	-	-	-	68.2	-24.98	0-360	200	V
5	* 15.809	24.21	Pk	40.5	-19.5	0	45.21	-	-	74	-28.79	-	-	0-360	200	V

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

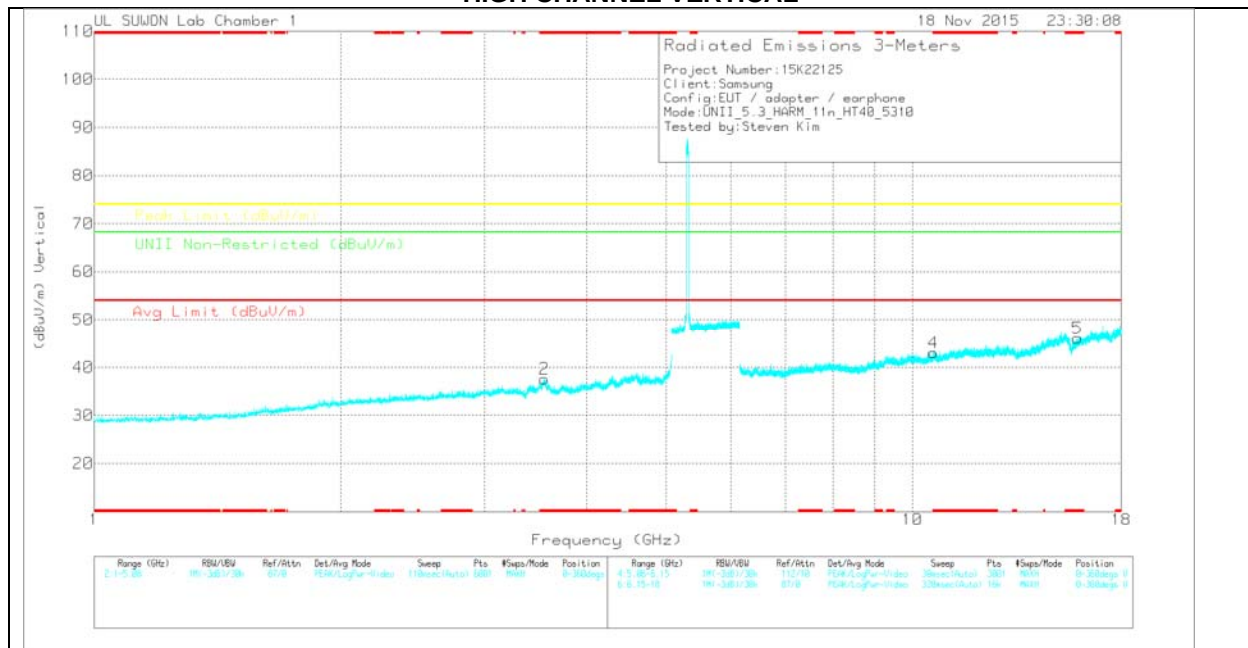
Pk – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.538	39.31	PK	32.8	-34.5	0	37.61	-	-	74	-36.39	-	-	0-360	200	H
2	* 3.551	39.29	PK	32.8	-34.5	0	37.59	-	-	74	-36.41	-	-	0-360	100	V
3	* 10.632	32.3	PK	37.9	-26.8	0	43.4	-	-	74	-30.6	-	-	0-360	200	H
6	* 15.907	25.26	PK	40.5	-20.4	0	45.36	-	-	74	-28.64	-	-	0-360	200	H
4	* 10.613	31.63	PK	37.9	-26.5	0	43.03	-	-	74	-30.97	-	-	0-360	200	V
5	* 15.91	26.02	PK	40.5	-20.4	0	46.12	-	-	74	-27.88	-	-	0-360	100	V

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

Pk – Peak Detector

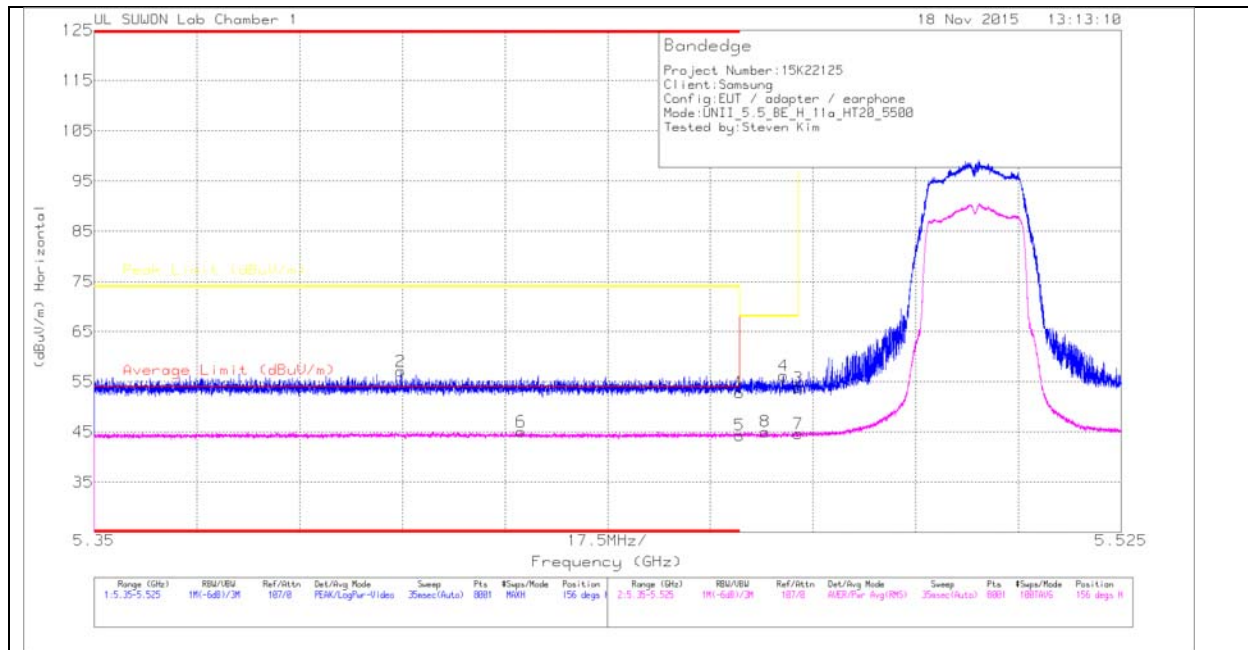
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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

Trace Markers

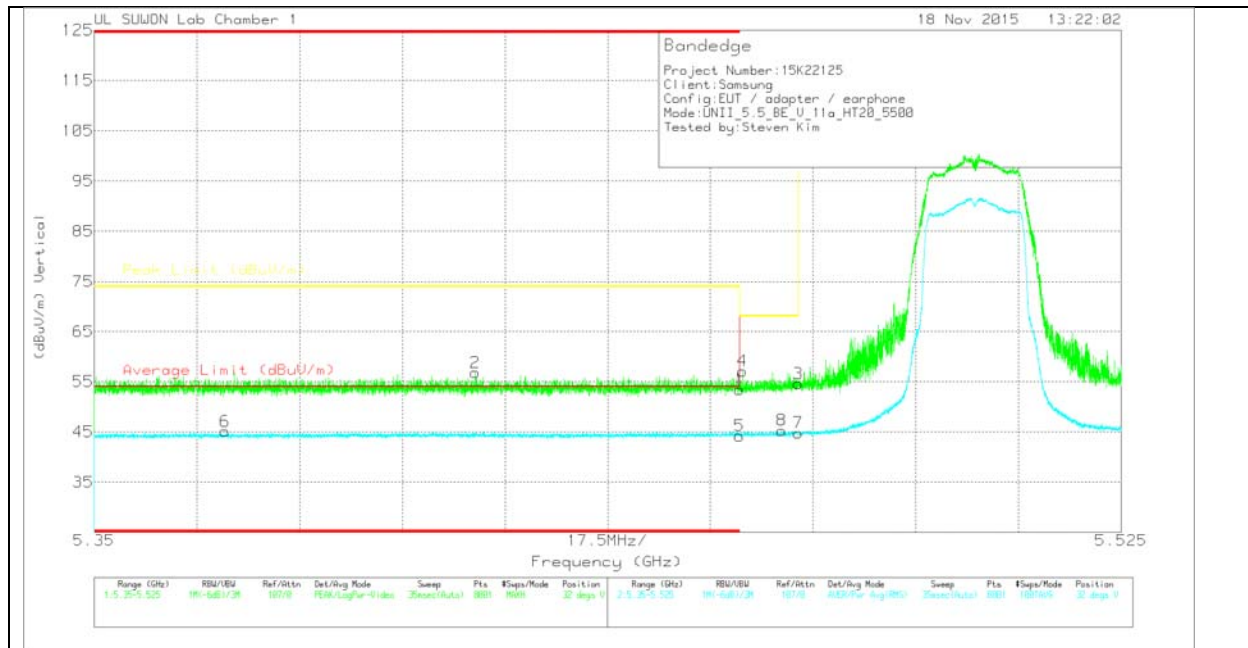
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	40.86	Pk	34.6	-22.6	0	52.86	-	-	74	-21.14	156	267	H
2	* 5.402	45.13	Pk	34.6	-22.7	0	57.03	-	-	74	-16.97	156	267	H
3	5.47	41.78	Pk	34.6	-22.6	0	53.78	-	-	68.2	-14.42	156	267	H
4	5.467	44.21	Pk	34.6	-22.6	0	56.21	-	-	68.2	-11.99	156	267	H
5	* 5.46	32.03	RMS	34.6	-22.6	.3	44.33	54	-9.67	-	-	156	267	H
6	* 5.423	32.85	RMS	34.6	-22.7	.3	45.05	54	-8.95	-	-	156	267	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	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	41.4	Pk	34.6	-22.6	0	53.4	-	-	74	-20.6	32	283	V
2	* 5.415	44.91	Pk	34.6	-22.7	0	56.81	-	-	74	-17.19	32	283	V
3	5.47	42.62	Pk	34.6	-22.6	0	54.62	-	-	68.2	-13.58	32	283	V
4	5.46	45.11	Pk	34.6	-22.6	0	57.11	-	-	68.2	-11.09	32	283	V
5	* 5.46	31.92	RMS	34.6	-22.6	.3	44.22	54	-9.78	-	-	32	283	V
6	* 5.372	33.14	RMS	34.5	-22.8	.3	45.14	54	-8.86	-	-	32	283	V

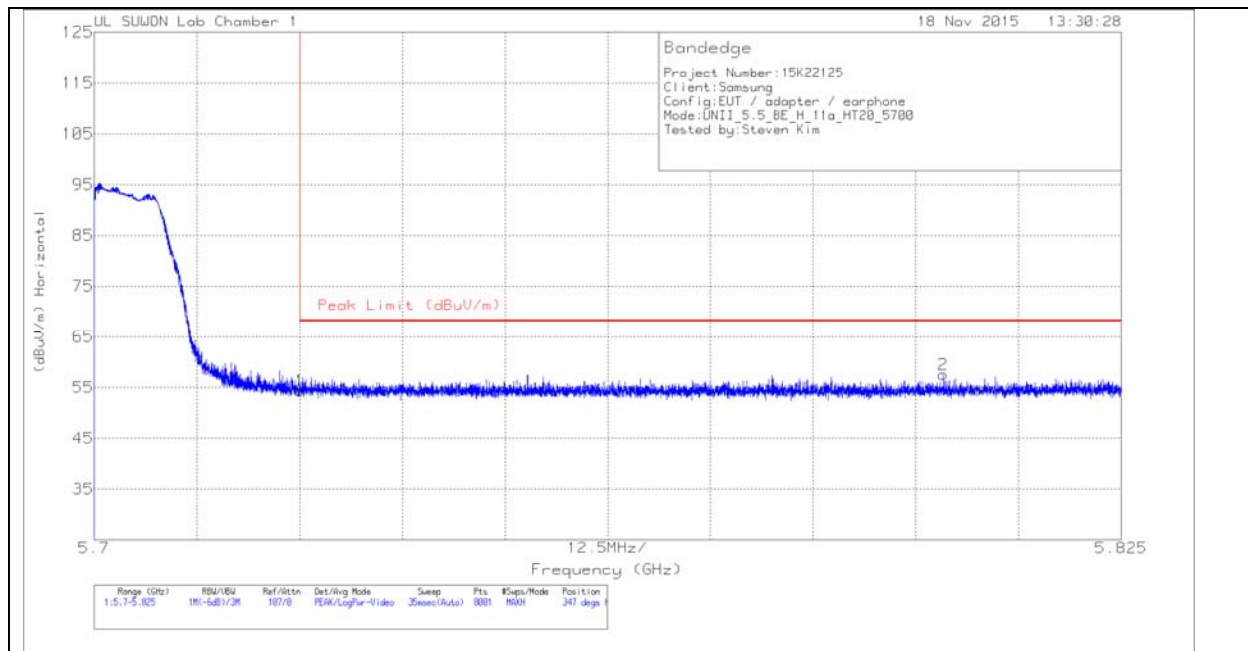
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



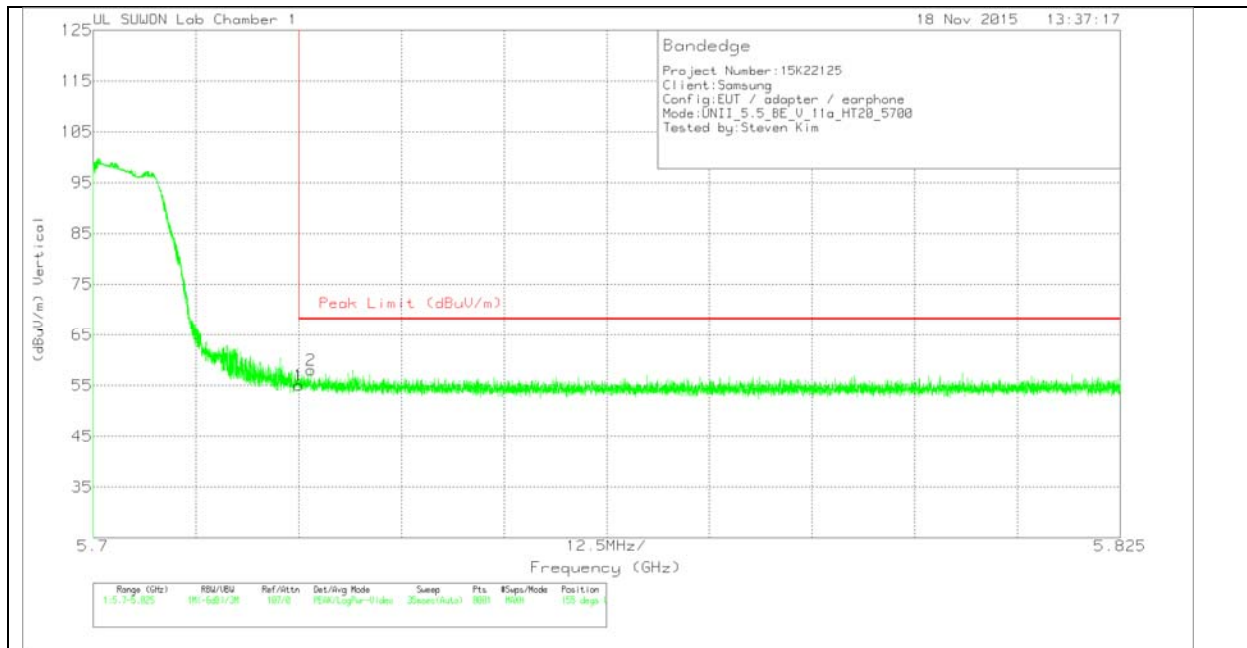
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.92	Pk	34.8	-22.3	0	54.42	68.2	-13.78	347	109	H
2	5.803	44.84	Pk	34.8	-22.1	0	57.54	68.2	-10.66	347	109	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

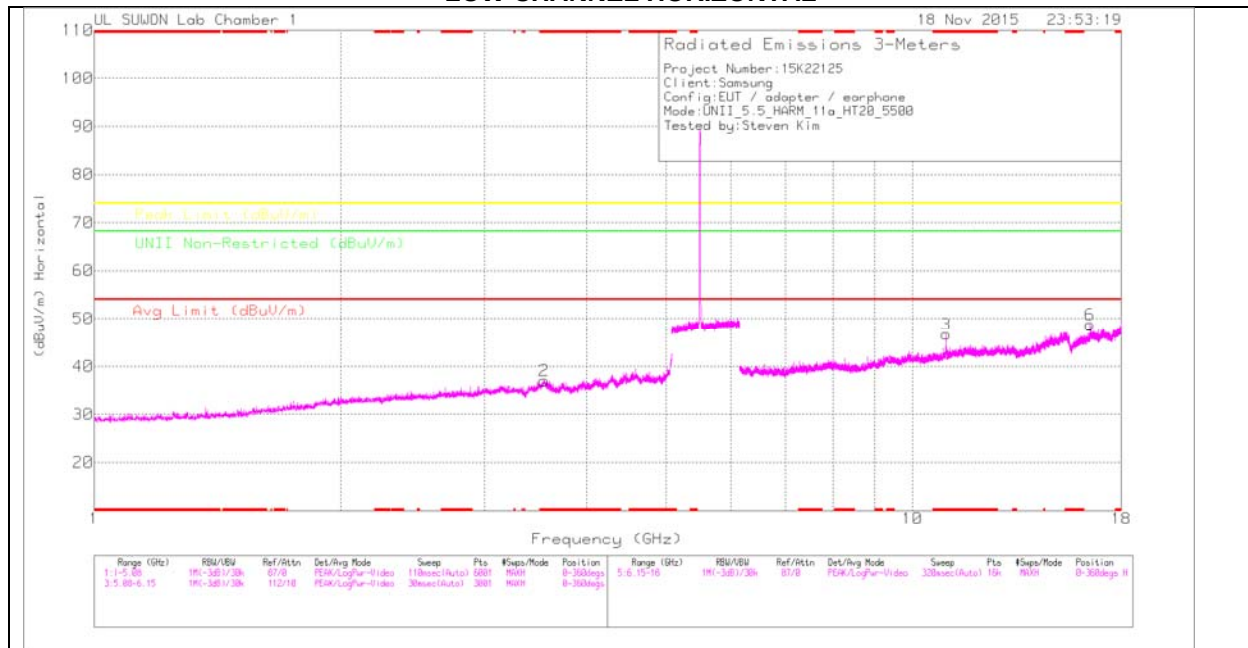
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	42.49	Pk	34.8	-22.3	0	54.99	68.2	-13.21	155	103	V
2	5.727	45.51	Pk	34.8	-22.3	0	58.01	68.2	-10.19	155	103	V

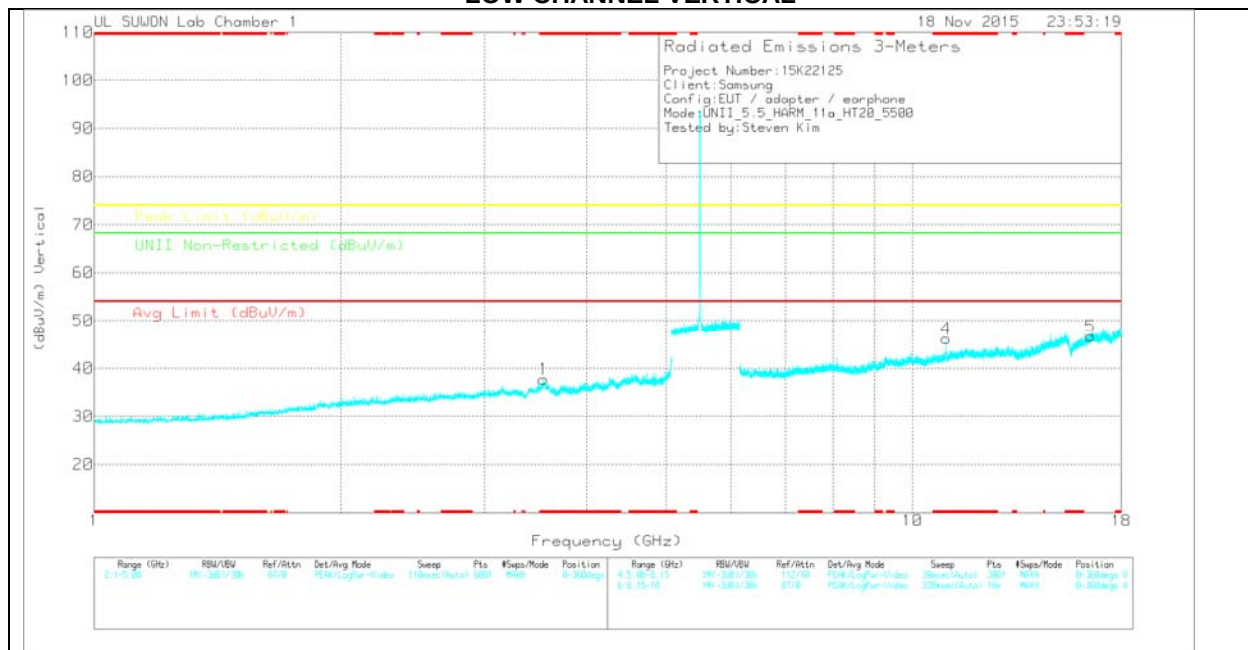
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.548	38.7	Pk	32.8	-34.5	0	37	-	-	74	-37	-	-	0-360	100	H
1	* 3.542	39.43	Pk	32.8	-34.5	0	37.73	-	-	74	-36.27	-	-	0-360	200	V
3	* 10.996	35.33	Pk	38.2	-26.8	0	46.73	-	-	74	-27.27	-	-	0-360	200	H
6	16.494	29.42	Pk	41.1	-21.8	0	48.72	-	-	-	-	68.2	-19.48	0-360	200	H
4	* 10.996	34.83	Pk	38.2	-26.8	0	46.23	-	-	74	-27.77	-	-	0-360	100	V
5	16.506	27.33	Pk	41.1	-21.7	0	46.73	-	-	-	-	68.2	-21.47	0-360	100	V

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

Pk – Peak Detector

Radiated Emissions

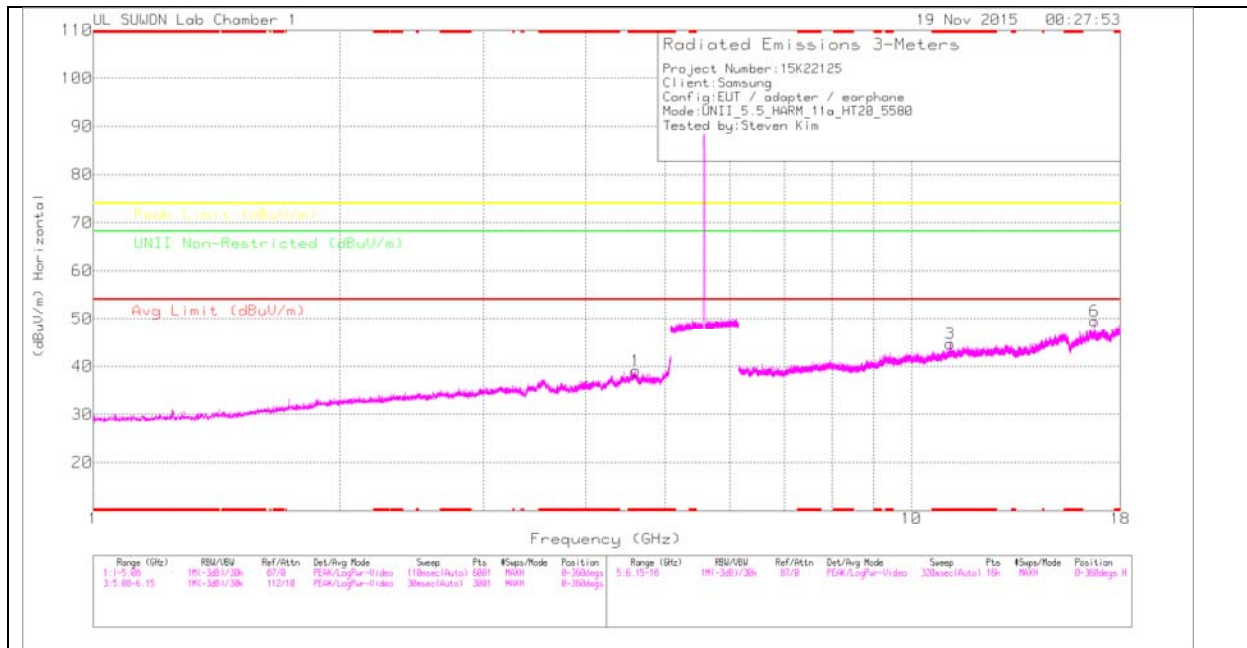
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.999	46.23	PK-U	38.2	-26.8	0	57.63	-	-	74	-16.37	-	-	230	188	H
* 11.001	31.55	ADR	38.2	-26.8	.3	43.25	54	-10.75	-	-	-	-	230	188	H
16.501	42.69	PK-U	41.1	-21.8	0	61.99	-	-	-	-	68.2	-6.21	201	210	H
* 11.006	48.55	PK-U	38.2	-26.8	0	59.95	-	-	74	-14.05	-	-	193	296	V
* 11.002	34.63	ADR	38.2	-26.8	.3	46.33	54	-7.67	-	-	-	-	193	296	V

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

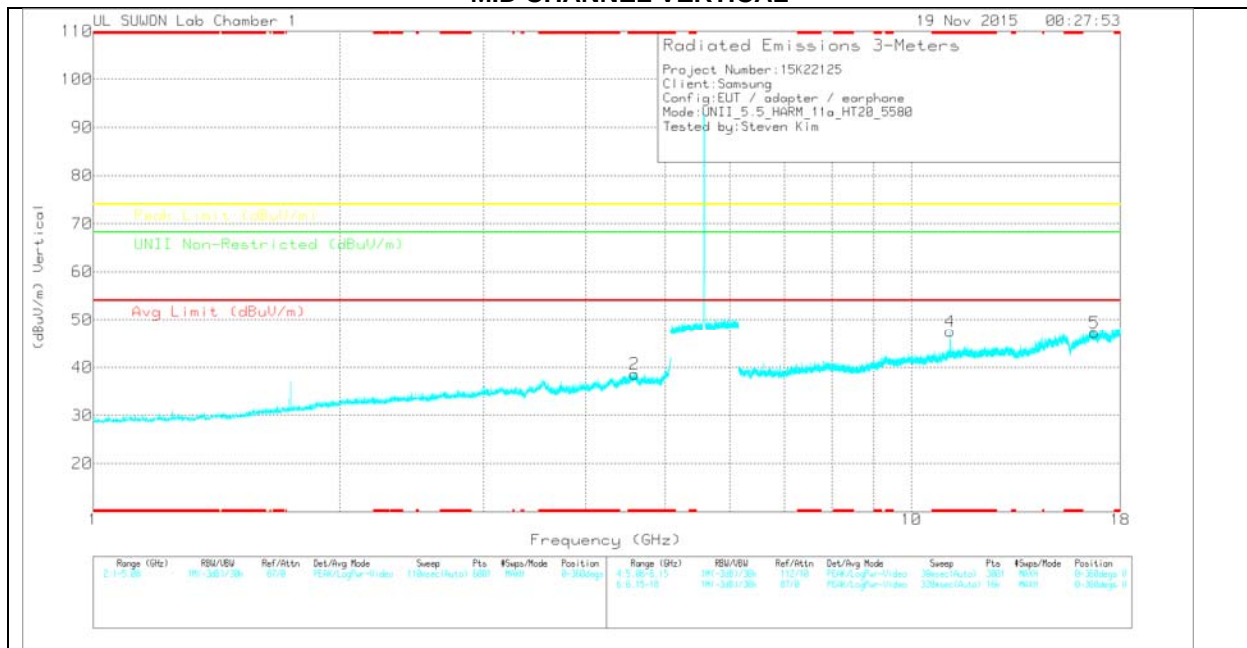
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 4.603	37.94	Pk	33.9	-32.8	0	39.04	-	-	74	-34.96	-	-	0-360	200	H
2	* 4.588	37.5	Pk	33.9	-32.8	0	38.6	-	-	74	-35.4	-	-	0-360	200	V
3	* 11.156	32.85	Pk	38.3	-26.4	0	44.75	-	-	74	-29.25	-	-	0-360	200	H
6	16.743	29.62	Pk	41.3	-21.4	0	49.52	-	-	-	-	68.2	-18.68	0-360	200	H
4	* 11.158	35.65	Pk	38.3	-26.4	0	47.55	-	-	74	-26.45	-	-	0-360	100	V
5	16.738	27.58	Pk	41.2	-21.5	0	47.28	-	-	-	-	68.2	-20.92	0-360	200	V

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

Pk – Peak Detector

Radiated Emissions

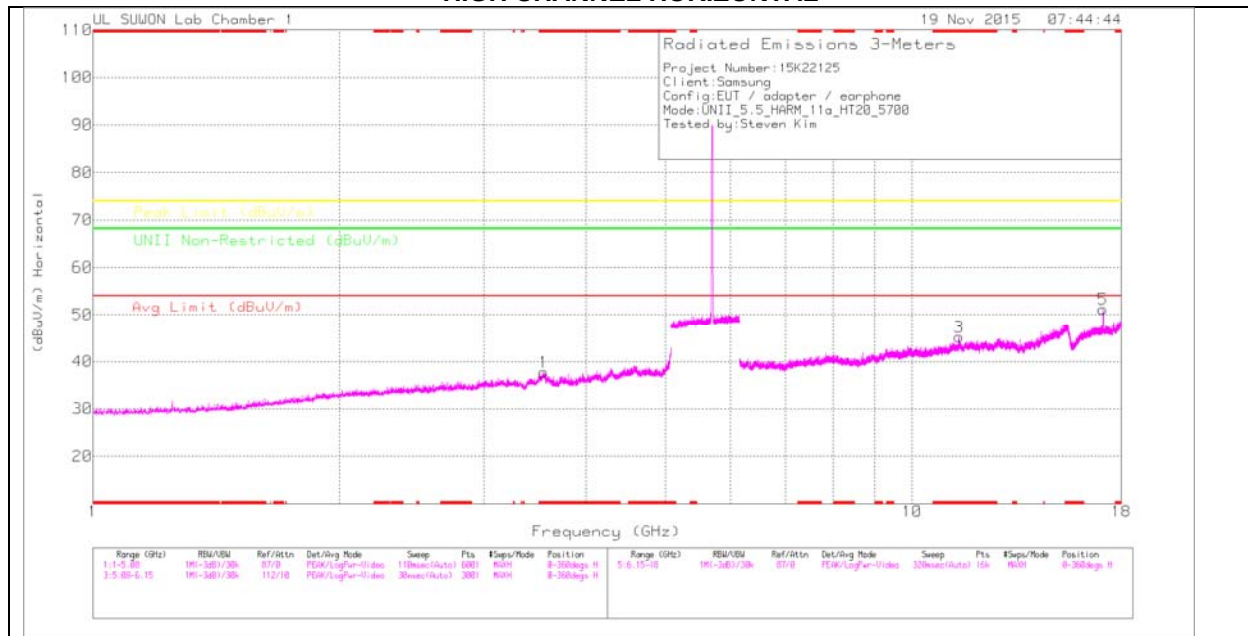
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.159	44.83	PK-U	38.3	-26.4	0	56.73	-	-	74	-17.27	-	-	243	177	H
* 11.162	31.54	ADR	38.3	-26.5	.3	43.64	54	-10.36	-	-	-	-	243	177	H
16.741	44.28	PK-U	41.3	-21.4	0	64.18	-	-	-	-	68.2	-4.02	203	204	H
* 11.159	36.26	ADR	38.3	-26.4	.3	48.46	54	-5.54	-	-	-	-	199	286	V

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

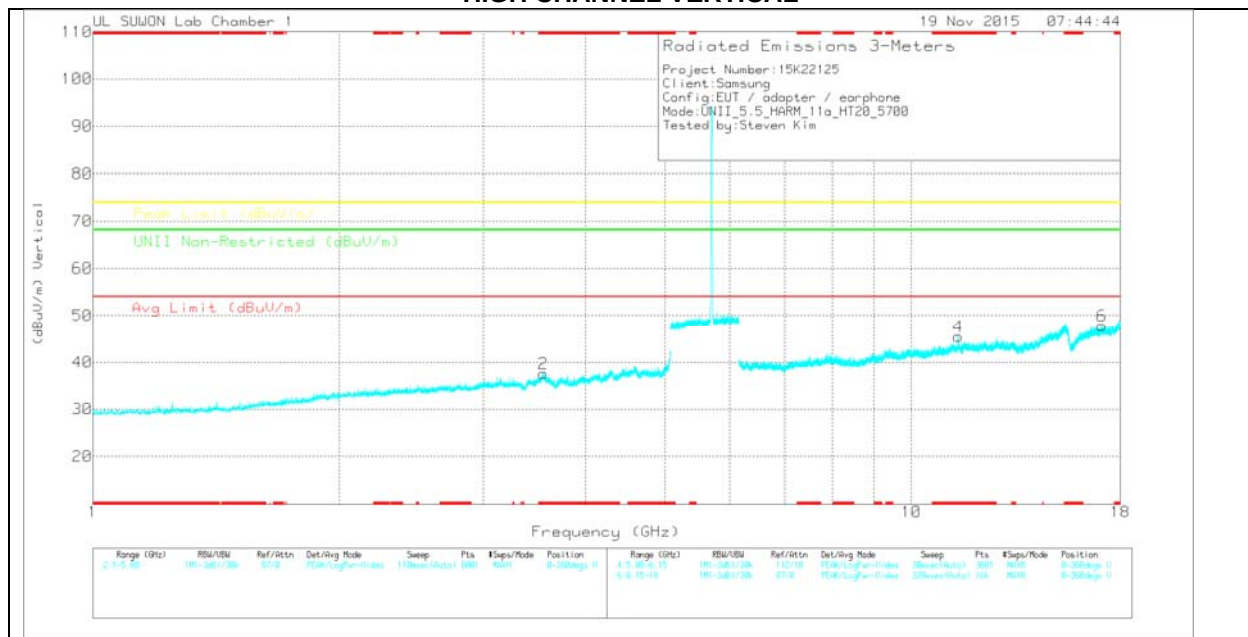
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.551	39.4	PK	32.8	-34.5	0	37.7	-	-	74	-36.3	-	-	0-360	200	H
2	* 3.549	39.33	PK	32.8	-34.5	0	37.63	-	-	74	-36.37	-	-	0-360	200	V
3	* 11.404	33.4	PK	38.5	-26.7	0	45.2	-	-	74	-28.8	-	-	0-360	200	H
5	17.096	30.57	PK	41.3	-20.7	0	51.17	-	-	-	-	68.2	-17.03	0-360	200	H
4	* 11.403	33.76	PK	38.5	-26.7	0	45.56	-	-	74	-28.44	-	-	0-360	200	V
6	17.103	27.33	PK	41.3	-20.8	0	47.83	-	-	-	-	68.2	-20.37	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	3117(001587 17)_150619	Path_5	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
* 11.399	44.84	PK-U	38.5	-26.7	0	56.64	-	-	74	-17.36	-	-	96	200	H
* 11.402	31.34	ADR	38.5	-26.7	.3	43.44	54	-10.56	-	-	-	-	96	200	H
17.101	42.87	PK-U	41.3	-20.8	0	63.37	-	-	-	-	68.2	-4.83	160	170	H
* 11.399	43.24	PK-U	38.5	-26.7	0	55.04	-	-	74	-18.96	-	-	207	250	V
* 11.402	29.51	ADR	38.5	-26.7	.3	41.61	54	-12.39	-	-	-	-	207	250	V

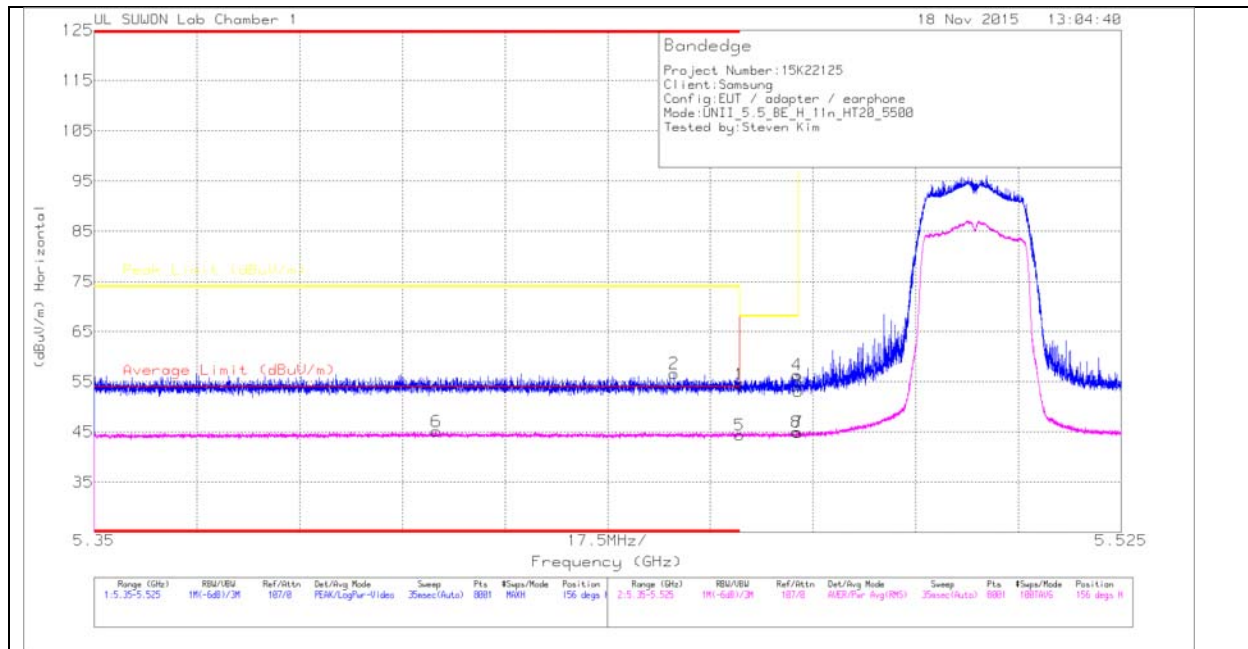
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS 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

Trace Markers

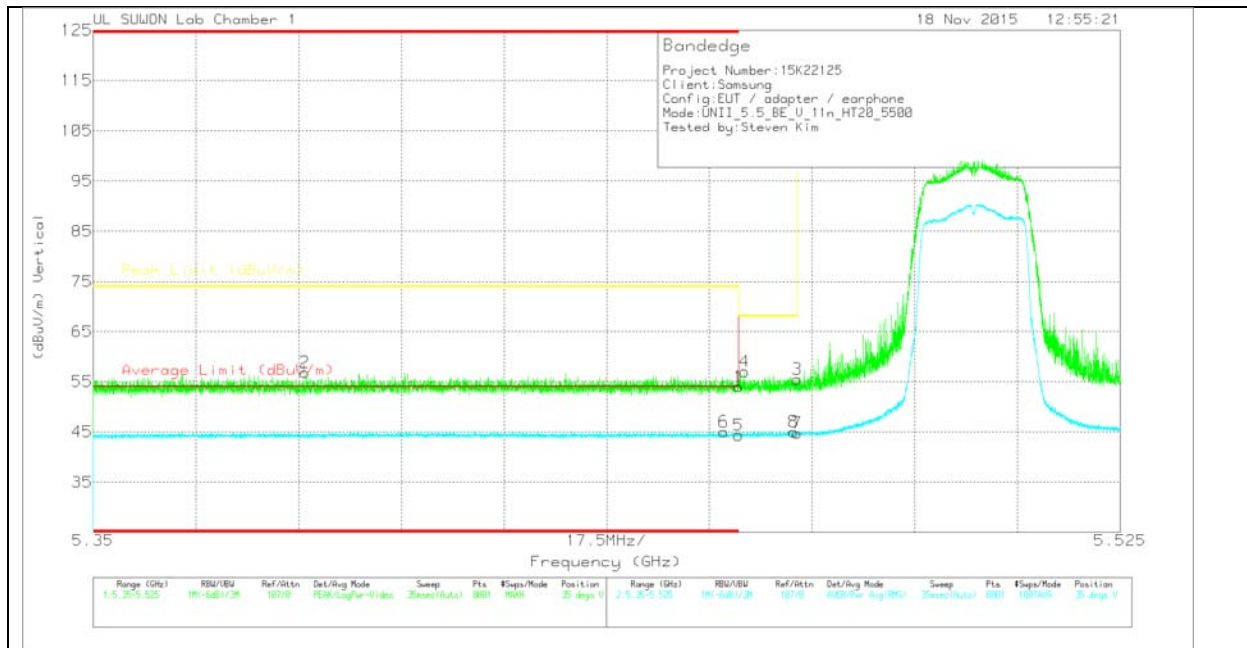
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17_150619)	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	42.51	Pk	34.6	-22.6	0	54.51	-	-	74	-19.49	156	354	H
2	* 5.449	44.6	Pk	34.6	-22.6	0	56.6	-	-	74	-17.4	156	354	H
3	5.47	41.06	Pk	34.6	-22.6	0	53.06	-	-	68.2	-15.14	156	354	H
4	5.47	44.34	Pk	34.6	-22.6	0	56.34	-	-	68.2	-11.86	156	354	H
5	* 5.46	32.09	RMS	34.6	-22.6	.32	44.41	54	-9.59	-	-	156	354	H
6	* 5.408	32.9	RMS	34.6	-22.7	.32	45.12	54	-8.88	-	-	156	354	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	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	41.99	Pk	34.6	-22.6	0	53.99	-	-	74	-20.01	35	281	V
2	* 5.386	45.13	Pk	34.5	-22.8	0	56.83	-	-	74	-17.17	35	281	V
3	5.47	43.5	Pk	34.6	-22.6	0	55.5	-	-	68.2	-12.7	35	281	V
4	5.461	45	Pk	34.6	-22.6	0	57	-	-	68.2	-11.2	35	281	V
5	* 5.46	32.03	RMS	34.6	-22.6	.32	44.35	54	-9.65	-	-	35	281	V
6	* 5.457	32.72	RMS	34.6	-22.6	.32	45.04	54	-8.96	-	-	35	281	V

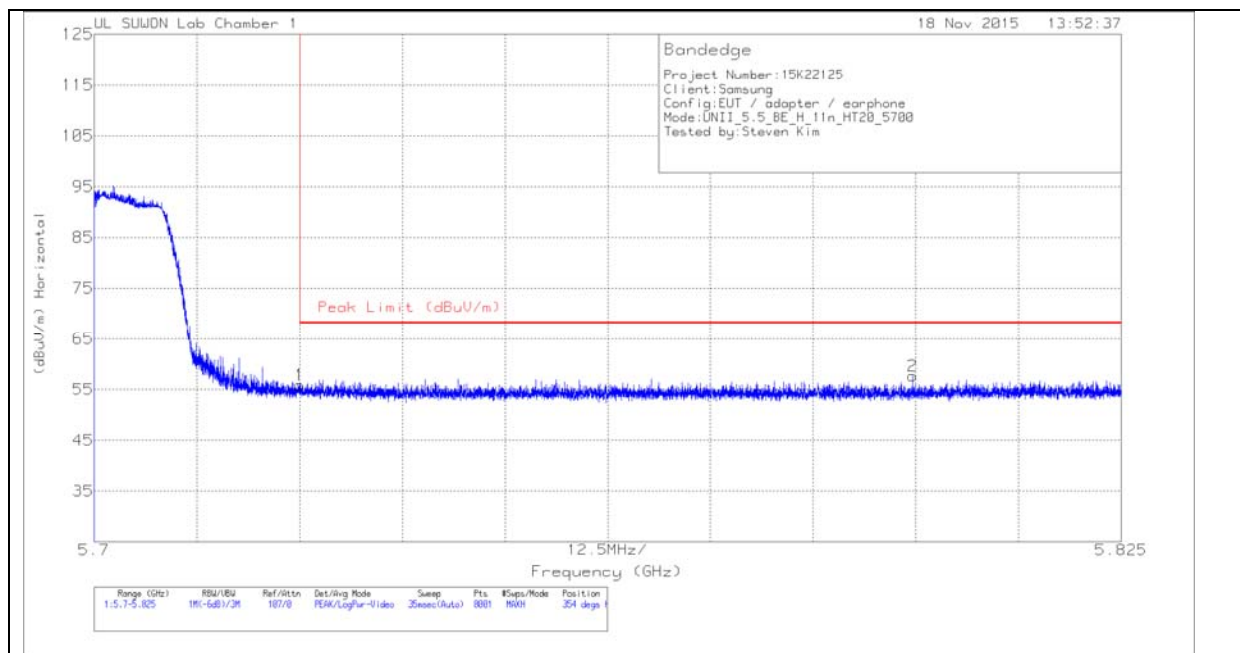
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



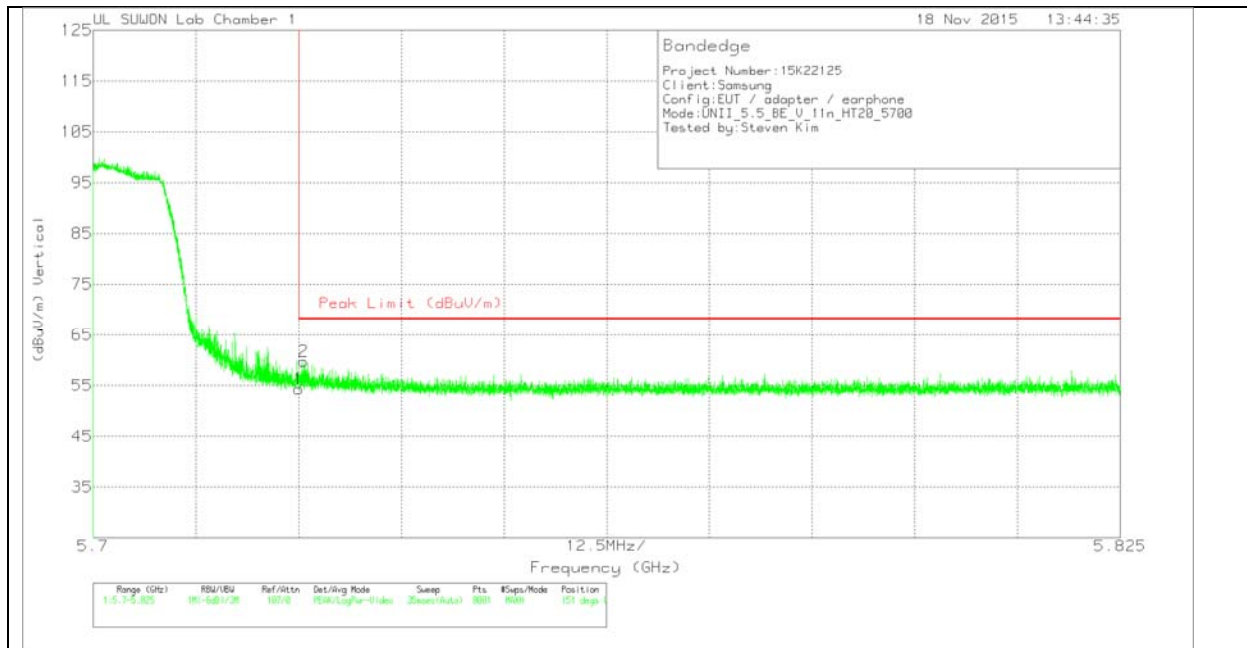
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.38	Pk	34.8	-22.3	0	55.88	68.2	-12.32	354	101	H
2	5.8	44.94	Pk	34.8	-22.1	0	57.64	68.2	-10.56	354	101	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

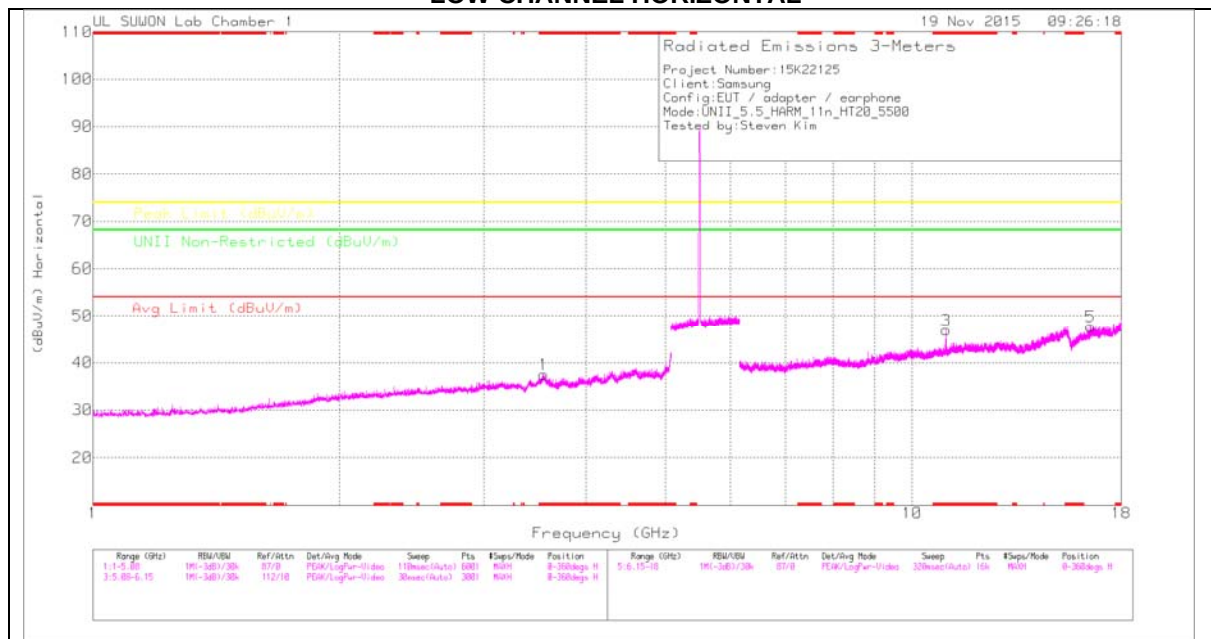
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.81	Pk	34.8	-22.3	0	54.31	68.2	-13.89	151	100	V
2	5.726	47.25	Pk	34.8	-22.3	0	59.75	68.2	-8.45	151	100	V

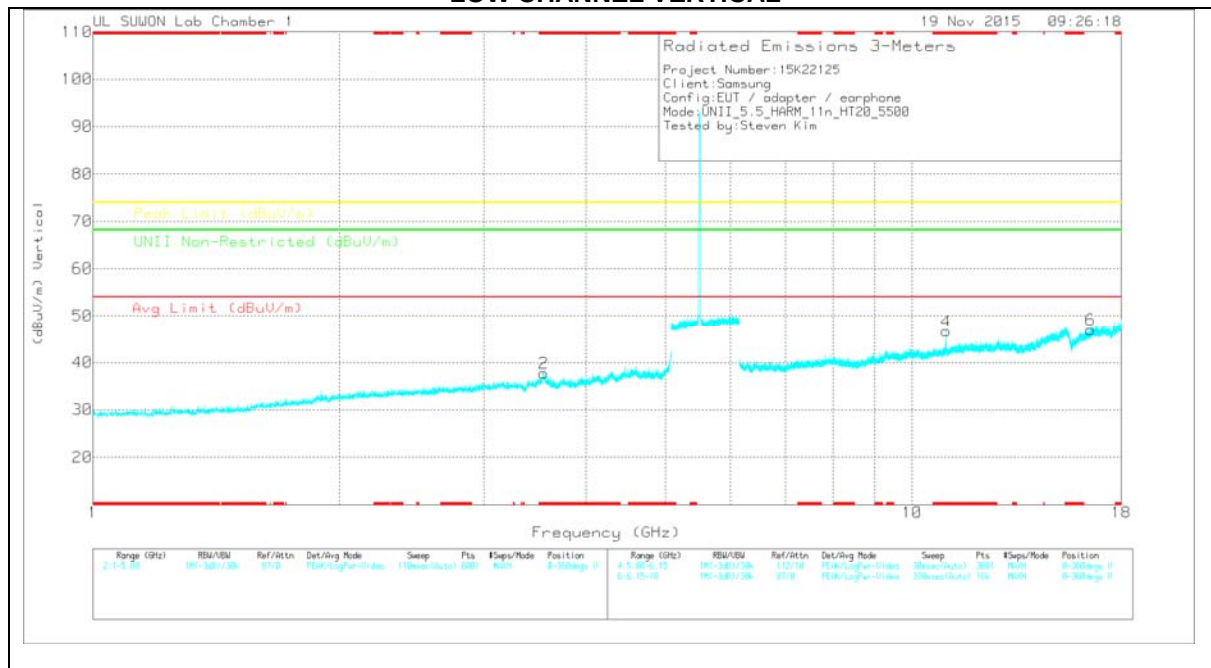
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.549	39.23	PK	32.8	-34.5	0	37.53	-	-	74	-36.47	-	-	0-360	100	H
2	* 3.552	39.4	PK	32.8	-34.5	0	37.7	-	-	74	-36.3	-	-	0-360	100	V
3	* 11	35.56	PK	38.2	-26.8	0	46.96	-	-	74	-27.04	-	-	0-360	200	H
5	16.503	28.35	PK	41.1	-21.8	0	47.65	-	-	-	-	68.2	-20.55	0-360	200	H
4	* 11.002	35.21	PK	38.2	-26.8	0	46.61	-	-	74	-27.39	-	-	0-360	100	V
6	16.503	27.69	PK	41.1	-21.8	0	46.99	-	-	-	-	68.2	-21.21	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

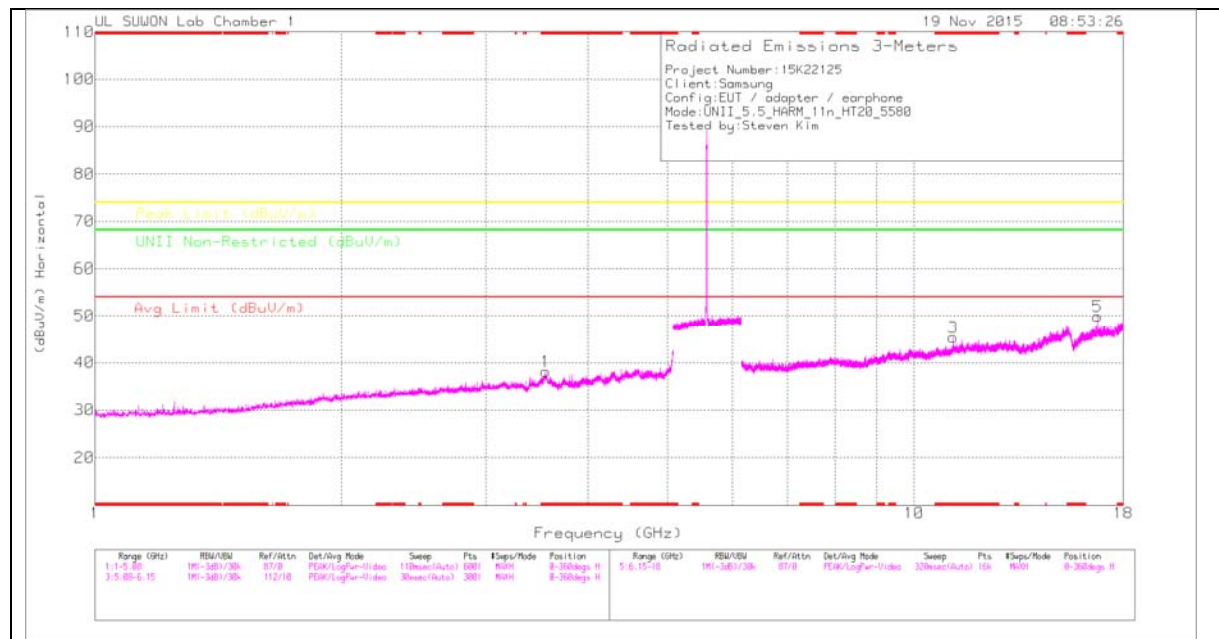
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.996	43.78	PK-U	38.2	-26.8	0	55.18	-	-	74	-18.82	-	-	197	301	H
* 11.001	29.82	ADR	38.2	-26.8	.32	41.54	54	-12.46	-	-	-	-	197	301	H
* 11.001	46.35	PK-U	38.2	-26.8	0	57.75	-	-	74	-16.25	-	-	202	282	V
* 11.001	32.63	ADR	38.2	-26.8	.32	44.35	54	-9.65	-	-	-	-	202	282	V

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

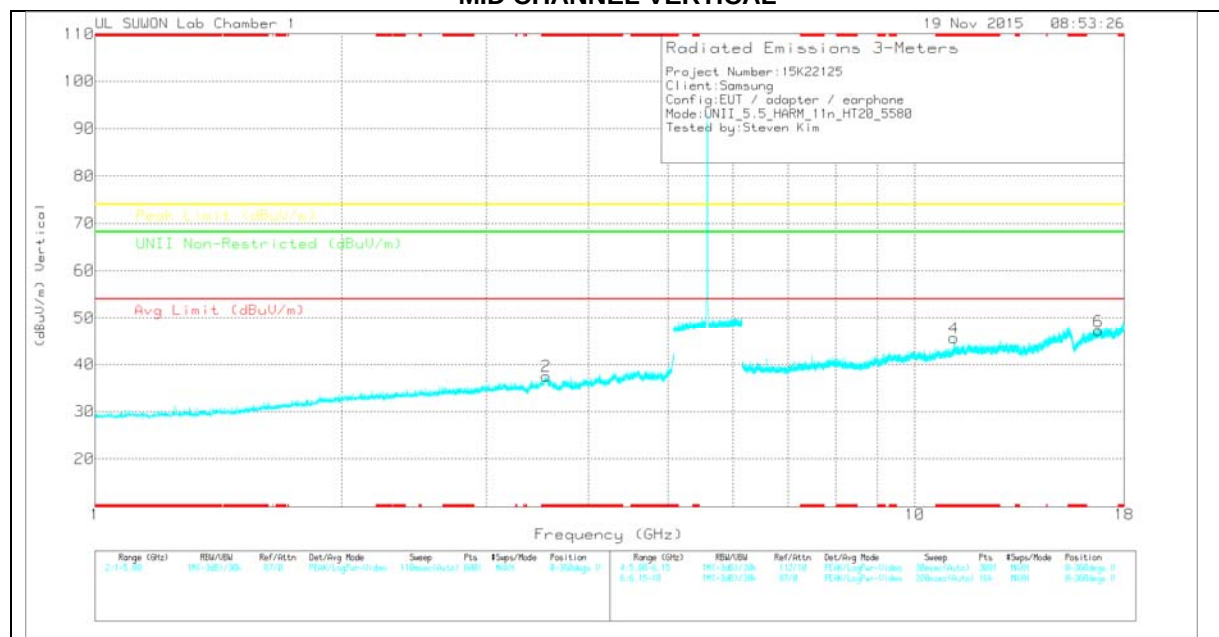
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.549	39.81	PK	32.8	-34.5	0	38.11	-	-	74	-35.89	-	-	0-360	200	H
2	* 3.553	39.13	PK	32.8	-34.5	0	37.43	-	-	74	-36.57	-	-	0-360	200	V
3	* 11.162	33.52	PK	38.3	-26.5	0	45.32	-	-	74	-28.68	-	-	0-360	200	H
5	16.741	30.05	PK	41.3	-21.4	0	49.95	-	-	-	-	68.2	-18.25	0-360	200	H
4	* 11.159	33.72	PK	38.3	-26.4	0	45.62	-	-	74	-28.38	-	-	0-360	100	V
6	16.743	27.26	PK	41.3	-21.4	0	47.16	-	-	-	-	68.2	-21.04	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

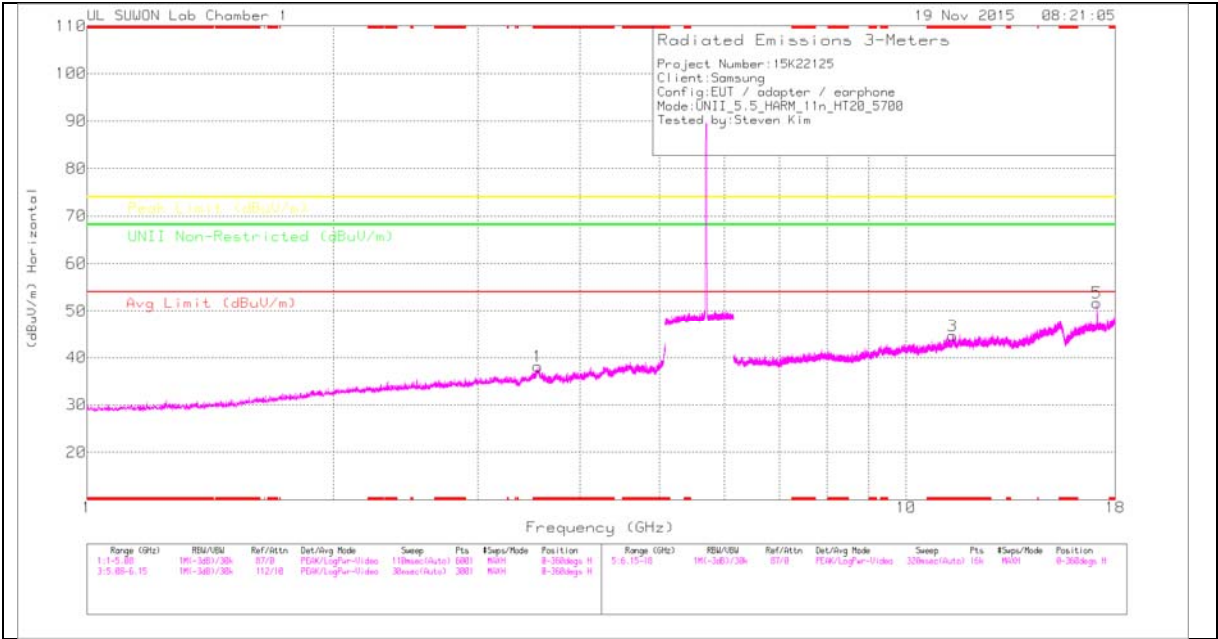
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.16	42.56	PK-U	38.3	-26.4	0	54.46	-	-	74	-19.54	-	-	209	150	H
* 11.16	28.63	ADR	38.3	-26.4	.32	40.85	54	-13.15	-	-	-	-	209	150	H
16.74	41.21	PK-U	41.3	-21.4	0	61.11	-	-	-	-	68.2	-7.09	150	144	H
* 11.159	44.47	PK-U	38.3	-26.4	0	56.37	-	-	74	-17.63	-	-	202	287	V
* 11.16	31	ADR	38.3	-26.4	.32	43.22	54	-10.78	-	-	-	-	202	287	V

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

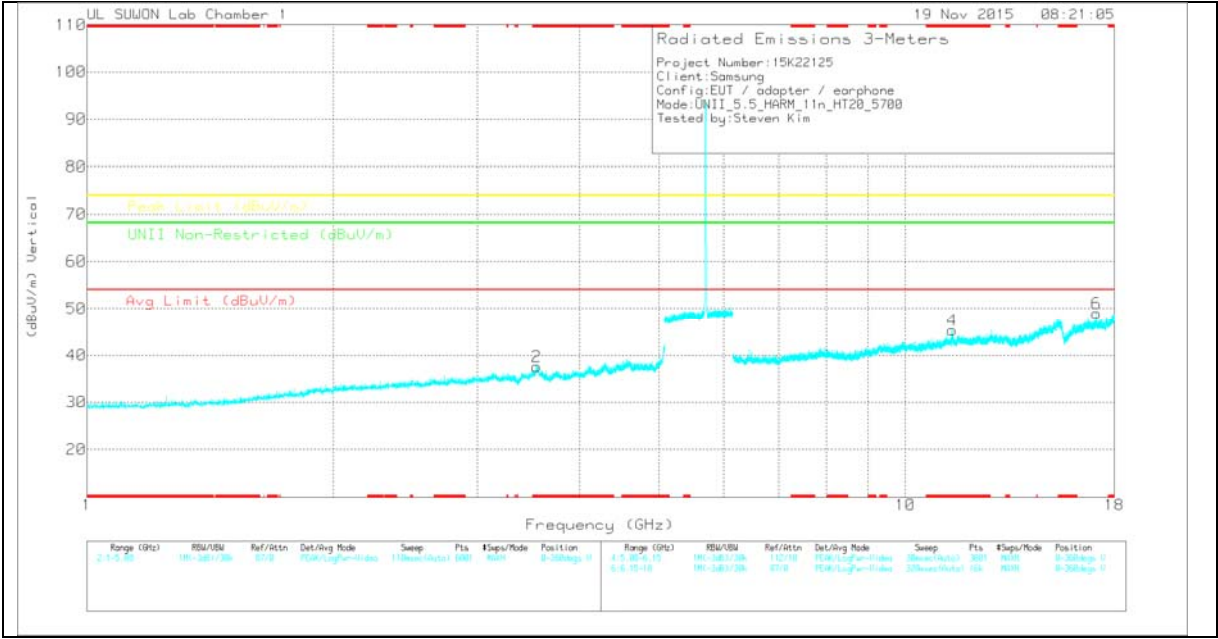
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.552	39.83	PK	32.8	-34.5	0	38.13	-	-	74	-35.87	-	-	0-360	100	H
2	* 3.543	39.3	PK	32.8	-34.5	0	37.6	-	-	74	-36.4	-	-	0-360	200	V
3	* 11.399	32.78	PK	38.5	-26.7	0	44.58	-	-	74	-29.42	-	-	0-360	200	H
5	17.102	31.21	PK	41.3	-20.8	0	51.71	-	-	-	-	68.2	-16.49	0-360	200	H
4	* 11.401	33.54	PK	38.5	-26.7	0	45.34	-	-	74	-28.66	-	-	0-360	100	V
6	17.107	28.48	PK	41.3	-20.8	0	48.98	-	-	-	-	68.2	-19.22	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	3117(001687 17)_150619	Path_5	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	42.51	PK-U	38.5	-26.7	0	54.31	-	-	74	-19.69	-	-	141	348	H
* 11.405	29.41	ADR	38.5	-26.7	.32	41.53	54	-12.47	-	-	-	-	141	348	H
17.101	41.15	PK-U	41.3	-20.7	0	61.75	-	-	-	-	68.2	-6.45	150	206	H
* 11.4	46	PK-U	38.5	-26.7	0	57.8	-	-	74	-16.2	-	-	207	105	V
* 11.4	31.8	ADR	38.5	-26.7	.32	43.92	54	-10.08	-	-	-	-	207	105	V

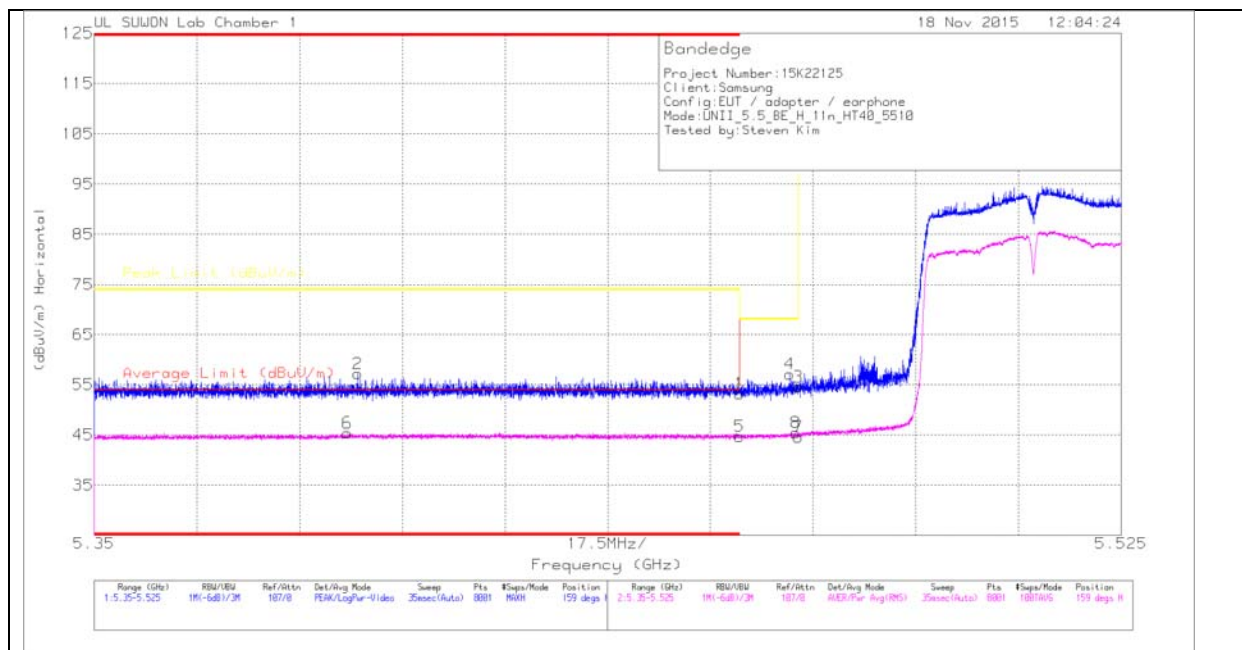
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS 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

Trace Markers

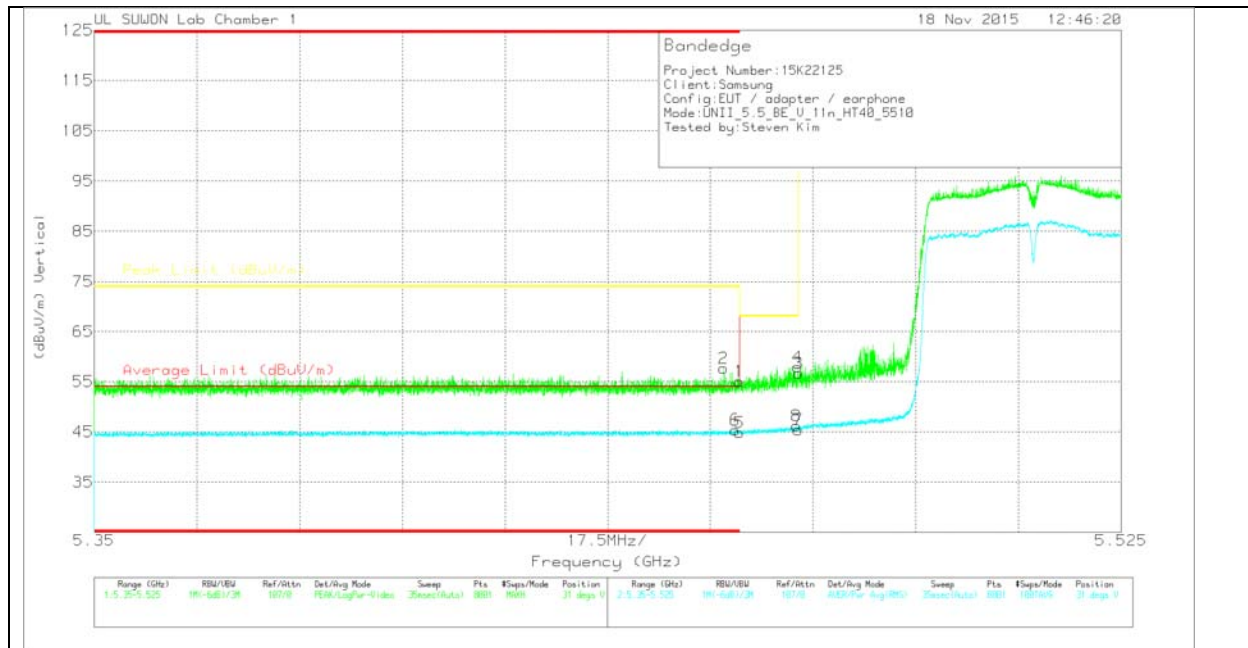
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17_150619)	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	41.2	Pk	34.6	-22.6	0	53.2	-	-	74	-20.8	159	264	H
2	* 5.395	45.39	Pk	34.5	-22.7	0	57.19	-	-	74	-16.81	159	264	H
3	5.47	42.53	Pk	34.6	-22.6	0	54.53	-	-	68.2	-13.67	159	264	H
4	5.469	45.11	Pk	34.6	-22.6	0	57.11	-	-	68.2	-11.09	159	264	H
5	* 5.46	32.09	RMS	34.6	-22.6	.62	44.71	54	-9.29	-	-	159	264	H
6	* 5.393	33.08	RMS	34.5	-22.8	.62	45.4	54	-8.6	-	-	159	264	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17_150619)	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	43.03	Pk	34.6	-22.6	0	55.03	-	-	74	-18.97	31	260	V
2	* 5.457	45.65	Pk	34.6	-22.6	0	57.65	-	-	74	-16.35	31	260	V
3	5.47	44.66	Pk	34.6	-22.6	0	56.66	-	-	68.2	-11.54	31	260	V
4	5.47	45.92	Pk	34.6	-22.6	0	57.92	-	-	68.2	-10.28	31	260	V
5	* 5.46	32.26	RMS	34.6	-22.6	.62	44.88	54	-9.12	-	-	31	260	V
6	* 5.459	32.77	RMS	34.6	-22.6	.62	45.39	54	-8.61	-	-	31	260	V

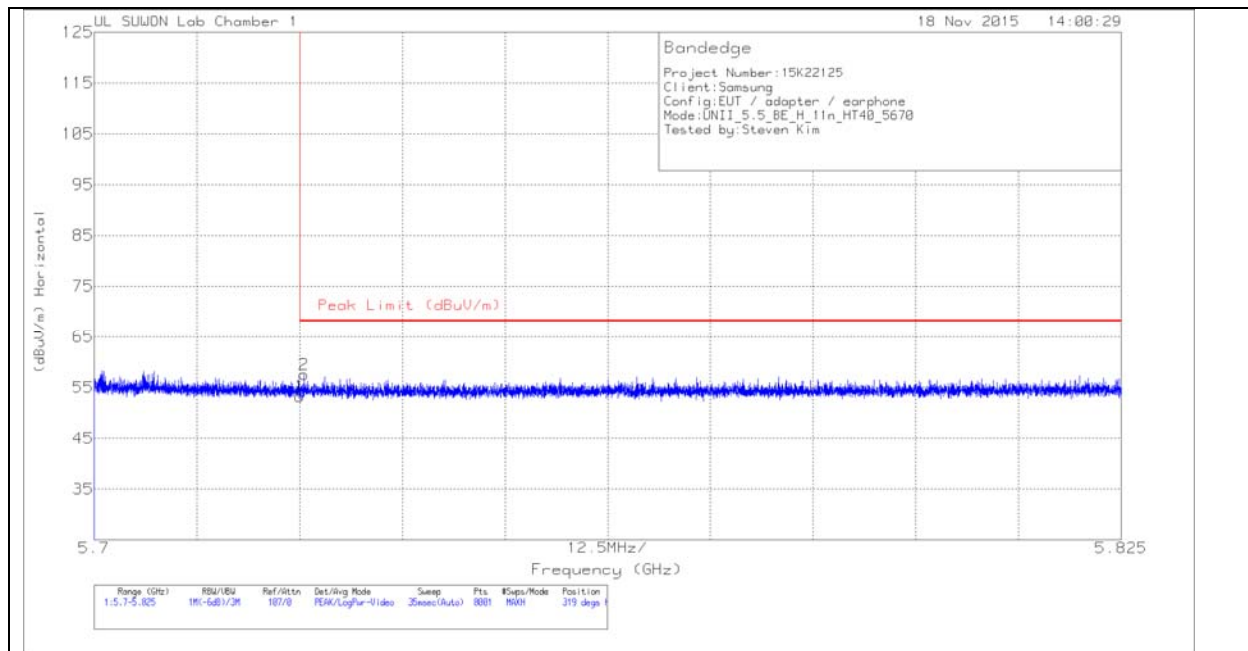
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



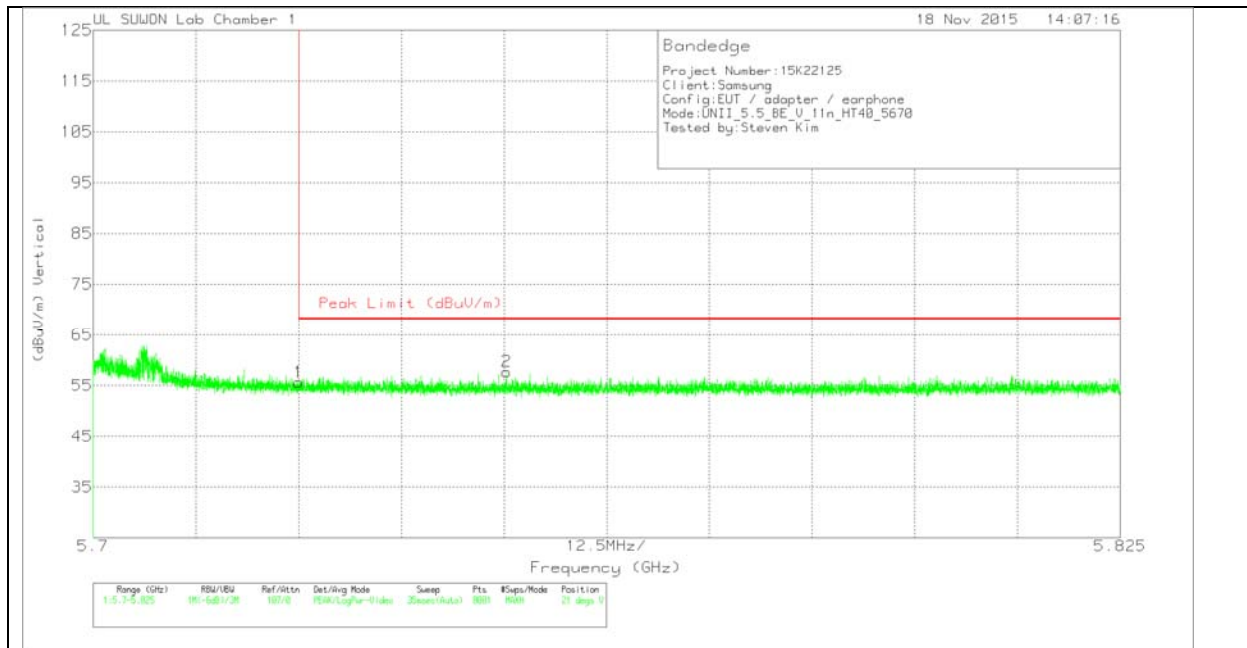
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.78	Pk	34.8	-22.3	0	53.28	68.2	-14.92	319	114	H
2	5.726	45.03	Pk	34.8	-22.3	0	57.53	68.2	-10.67	319	114	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

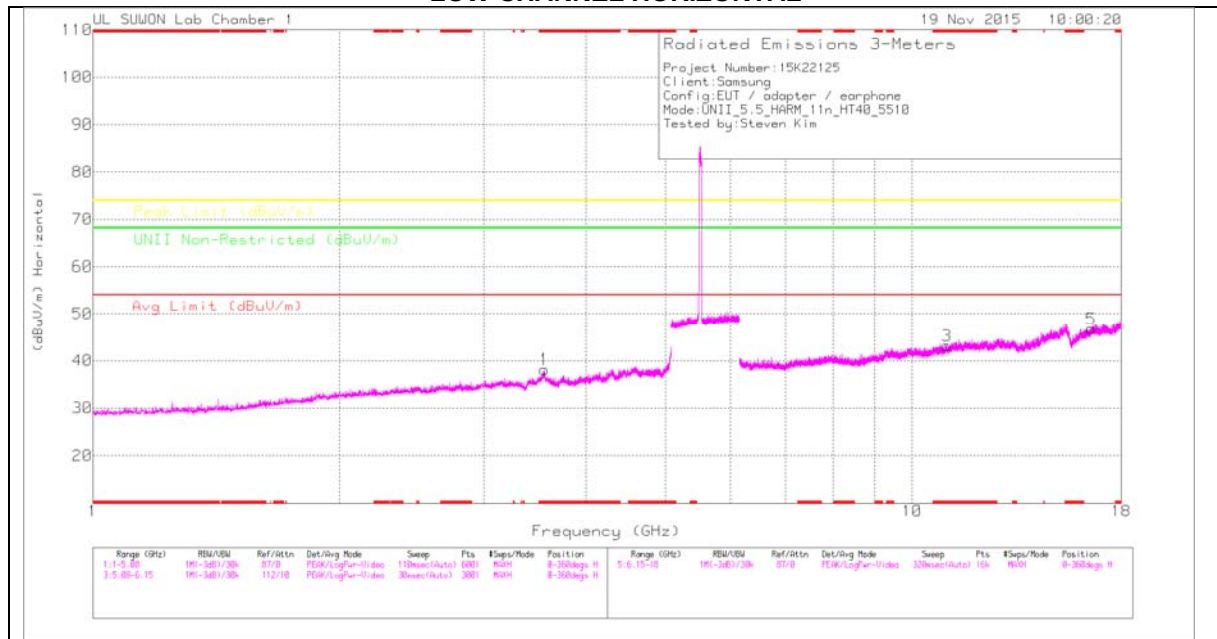
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.14	Pk	34.8	-22.3	0	55.64	68.2	-12.56	21	291	V
2	5.75	45.23	Pk	34.8	-22.3	0	57.73	68.2	-10.47	21	291	V

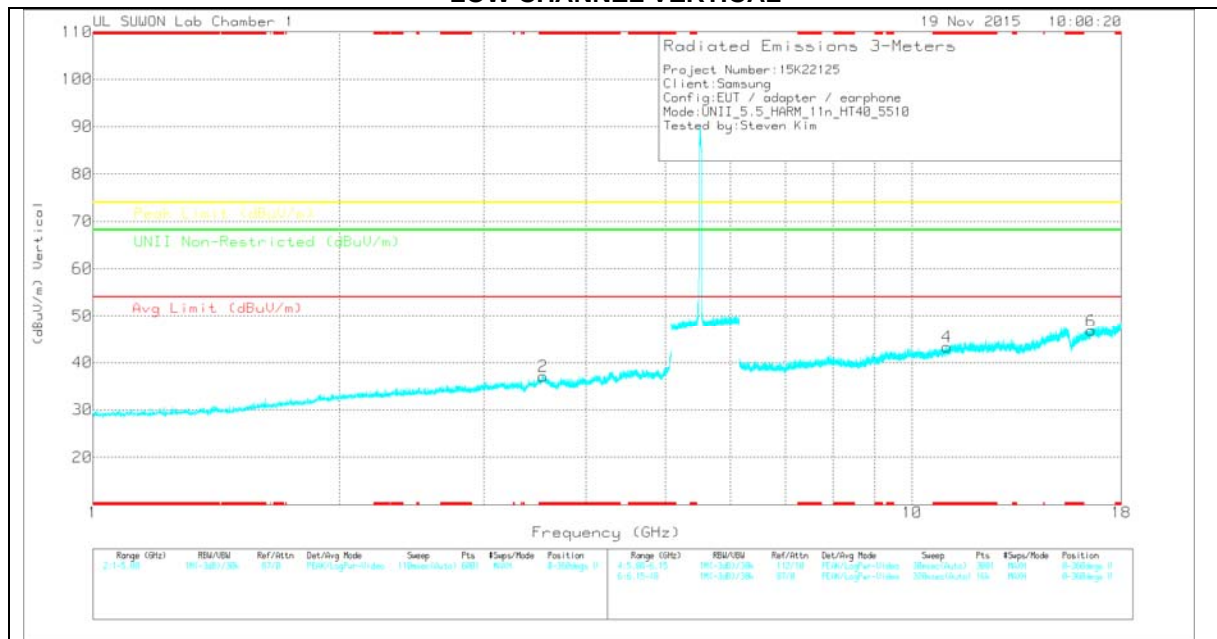
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

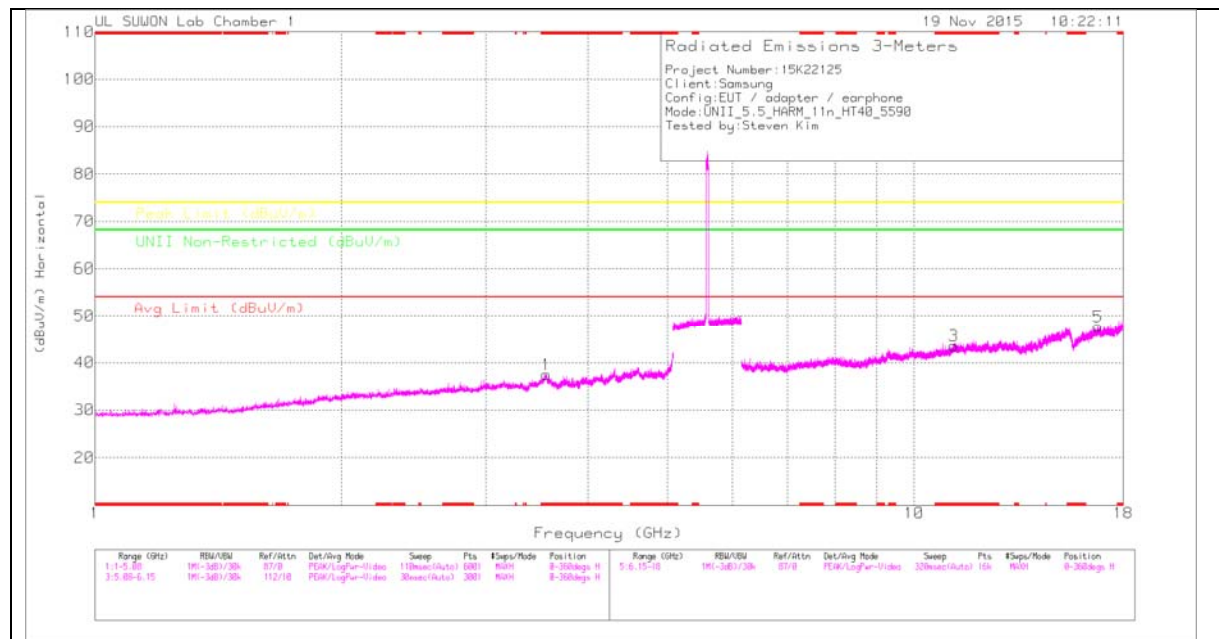
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.559	39.69	PK	32.9	-34.4	0	38.19	-	-	74	-35.81	-	-	0-360	100	H
2	* 3.543	38.85	PK	32.8	-34.5	0	37.15	-	-	74	-36.85	-	-	0-360	100	V
3	* 11.021	31.76	PK	38.2	-26.8	0	43.16	-	-	74	-30.84	-	-	0-360	200	H
5	16.533	26.94	PK	41.2	-21.4	0	46.74	-	-	-	-	68.2	-21.46	0-360	200	H
4	* 11.019	31.94	PK	38.2	-26.8	0	43.34	-	-	74	-30.66	-	-	0-360	100	V
6	16.531	26.94	PK	41.2	-21.4	0	46.74	-	-	-	-	68.2	-21.46	0-360	100	V

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

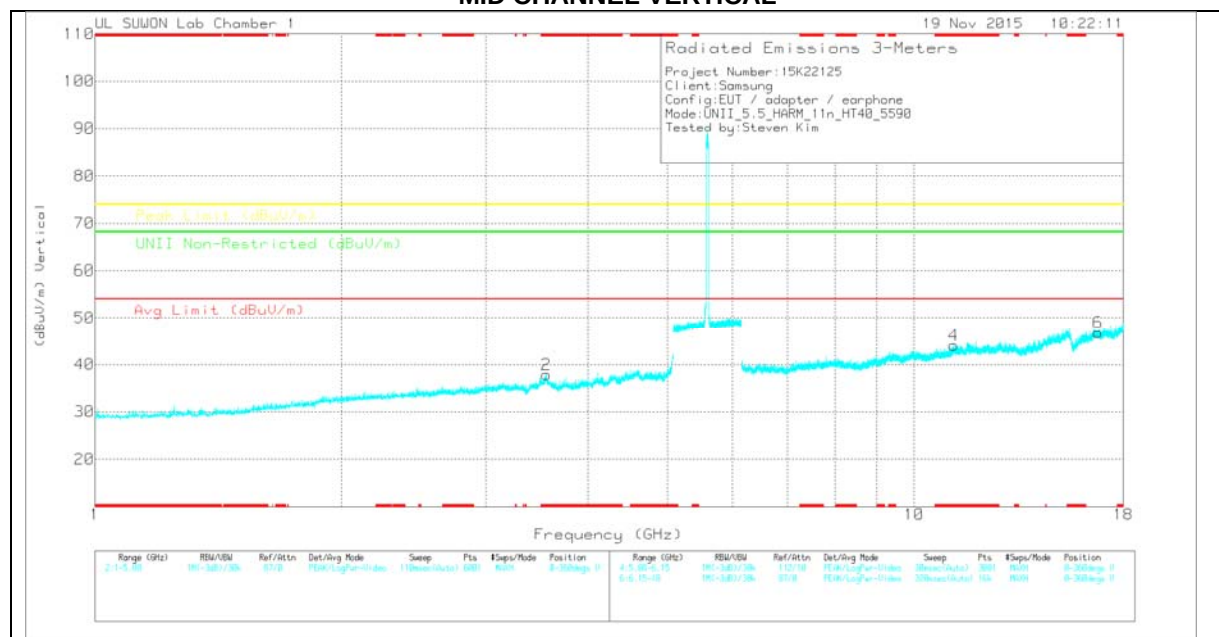
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

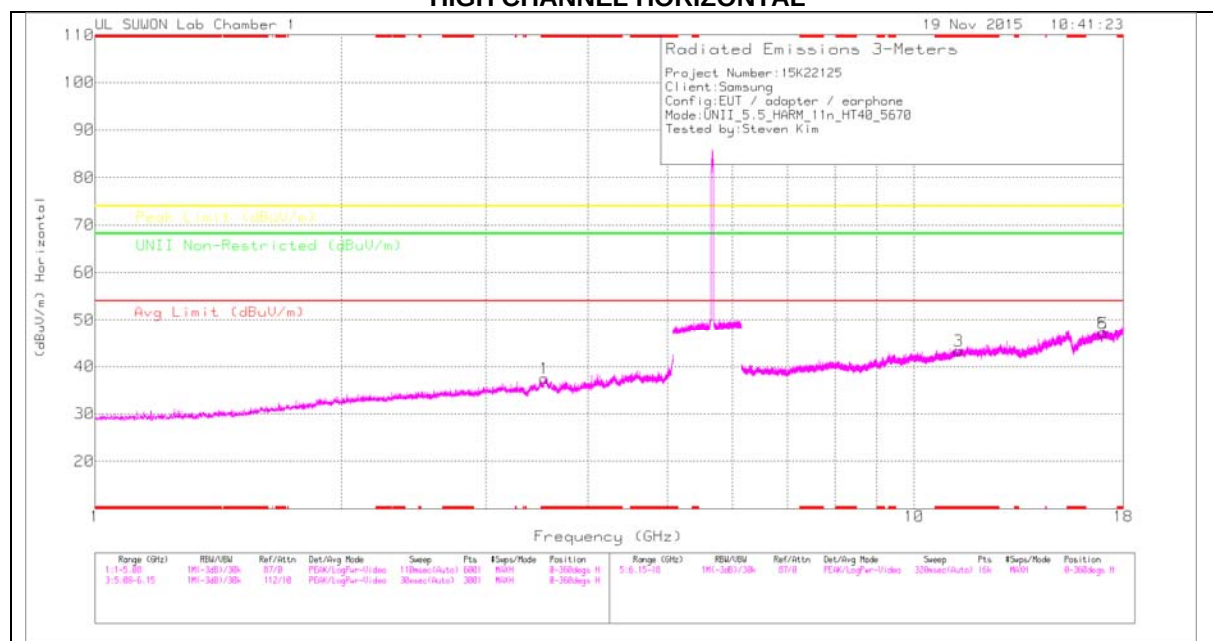
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.555	39.04	PK	32.8	-34.4	0	37.44	-	-	74	-36.56	-	-	0-360	100	H
2	* 3.555	39.46	PK	32.8	-34.4	0	37.86	-	-	74	-36.14	-	-	0-360	100	V
3	* 11.176	31.75	PK	38.3	-26.5	0	43.55	-	-	74	-30.45	-	-	0-360	200	H
5	16.768	27.88	PK	41.3	-21.5	0	47.68	-	-	-	-	68.2	-20.52	0-360	200	H
4	* 11.179	32.31	PK	38.3	-26.5	0	44.11	-	-	74	-29.89	-	-	0-360	100	V
6	16.769	27.06	PK	41.3	-21.5	0	46.86	-	-	-	-	68.2	-21.34	0-360	100	V

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

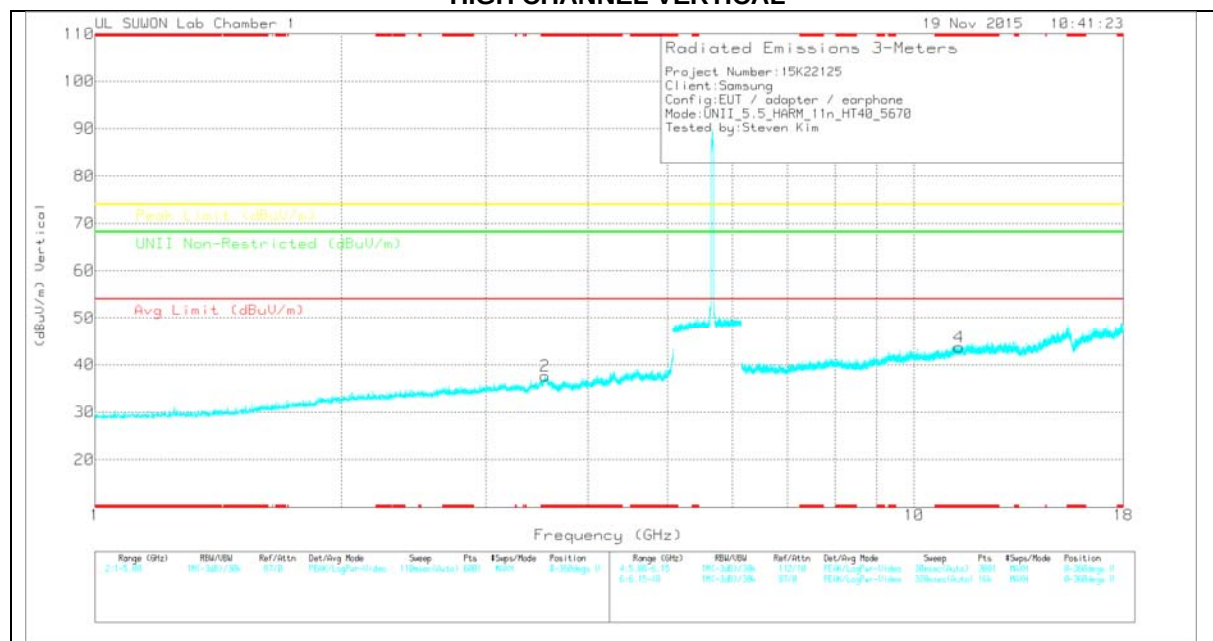
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.54	39.17	PK	32.8	-34.5	0	37.47	-	-	74	-36.53	-	-	0-360	100	H
2	* 3.543	39.31	PK	32.8	-34.5	0	37.61	-	-	74	-36.39	-	-	0-360	100	V
3	* 11.338	30.99	PK	38.5	-26.2	0	43.29	-	-	74	-30.71	-	-	0-360	200	H
5	17.01	27.43	PK	41.4	-21.6	0	47.23	-	-	-	-	68.2	-20.97	0-360	200	H
6	17.01	27.43	PK	41.4	-21.6	0	47.23	-	-	-	-	68.2	-20.97	0-360	200	H
4	* 11.341	31.36	PK	38.5	-26.2	0	43.66	-	-	74	-30.34	-	-	0-360	200	V

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

PK – Peak Detector

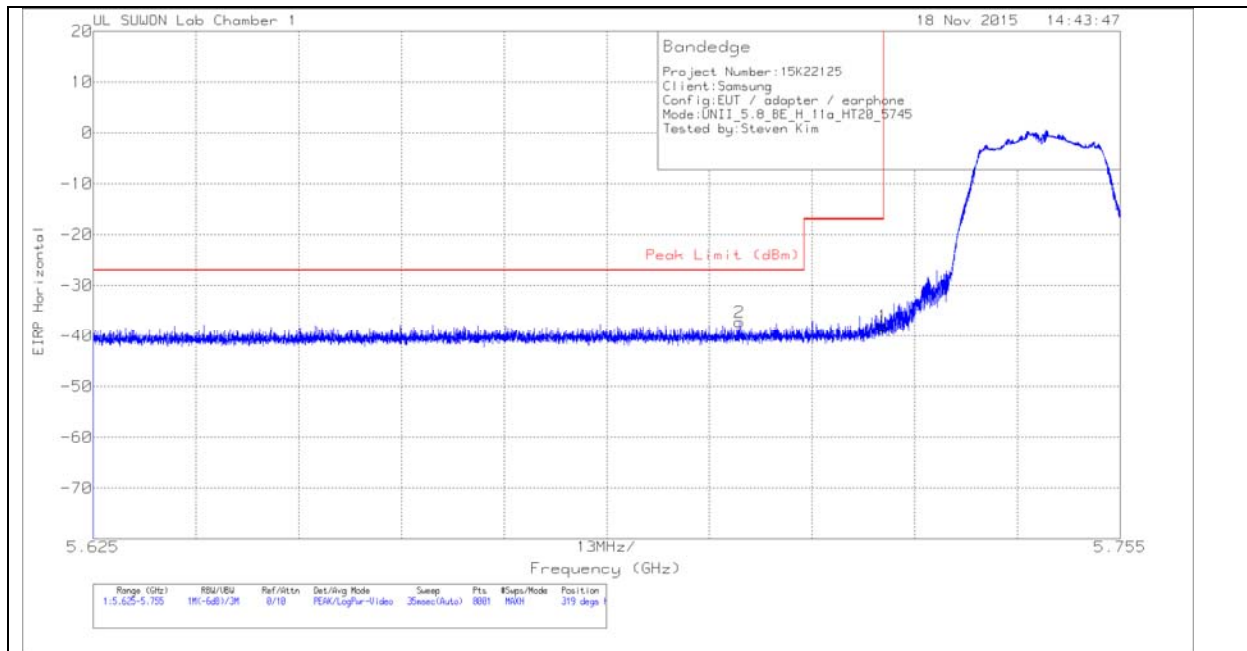
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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

BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT



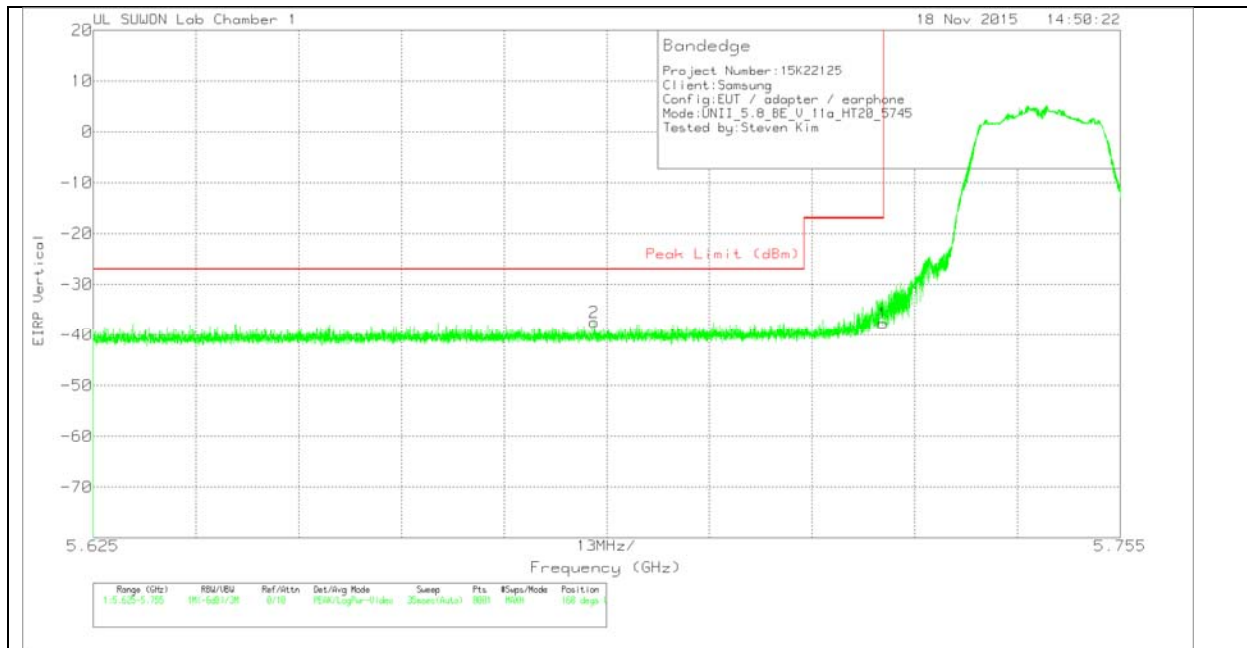
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-62.21	Pk	34.8	-22.4	11.8	0	-38.01	-17	-21.01	319	113	H
2	5.707	-61.45	Pk	34.8	-22.4	11.8	0	-37.25	-27	-10.25	319	113	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

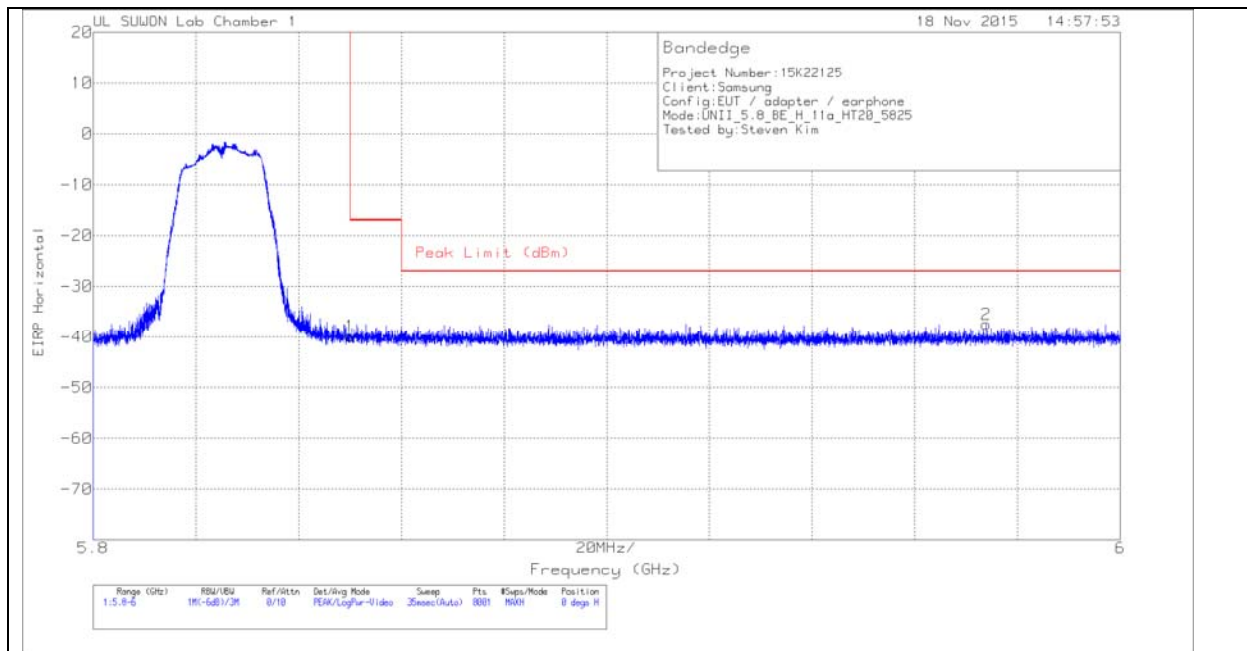
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-61.92	Pk	34.8	-22.4	11.8	0	-37.72	-17	-20.72	168	100	V
2	5.688	-61.65	Pk	34.8	-22.4	11.8	0	-37.45	-27	-10.45	168	100	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



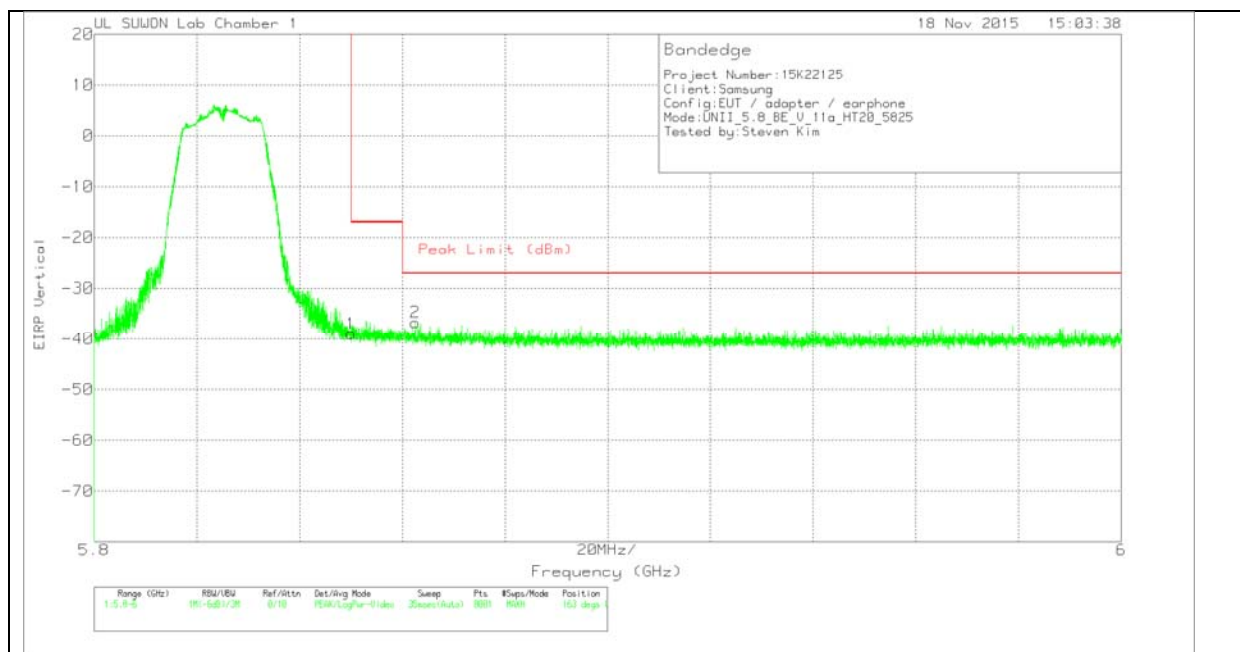
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.72	Pk	34.9	-21.8	11.8	0	-39.82	-17	-22.82	0	241	H
2	5.974	-62.25	Pk	34.9	-21.9	11.8	0	-37.45	-27	-10.45	0	241	H

Pk - Peak detector

VERTICAL PEAK PLOT



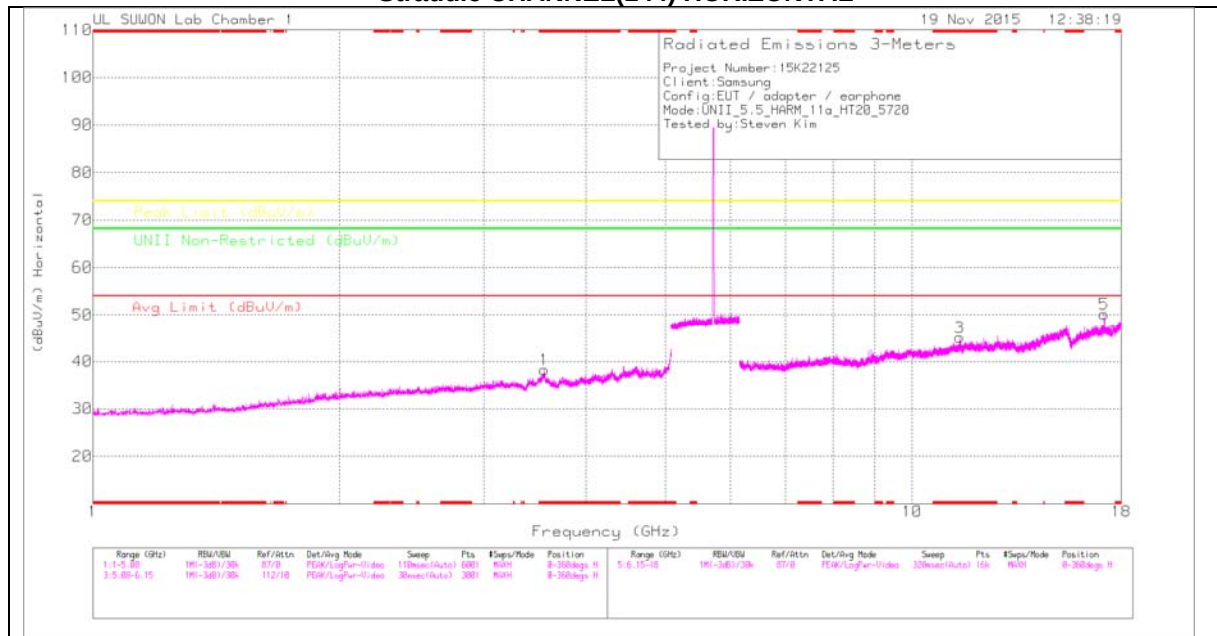
VERTICAL DATA

Trace Markers

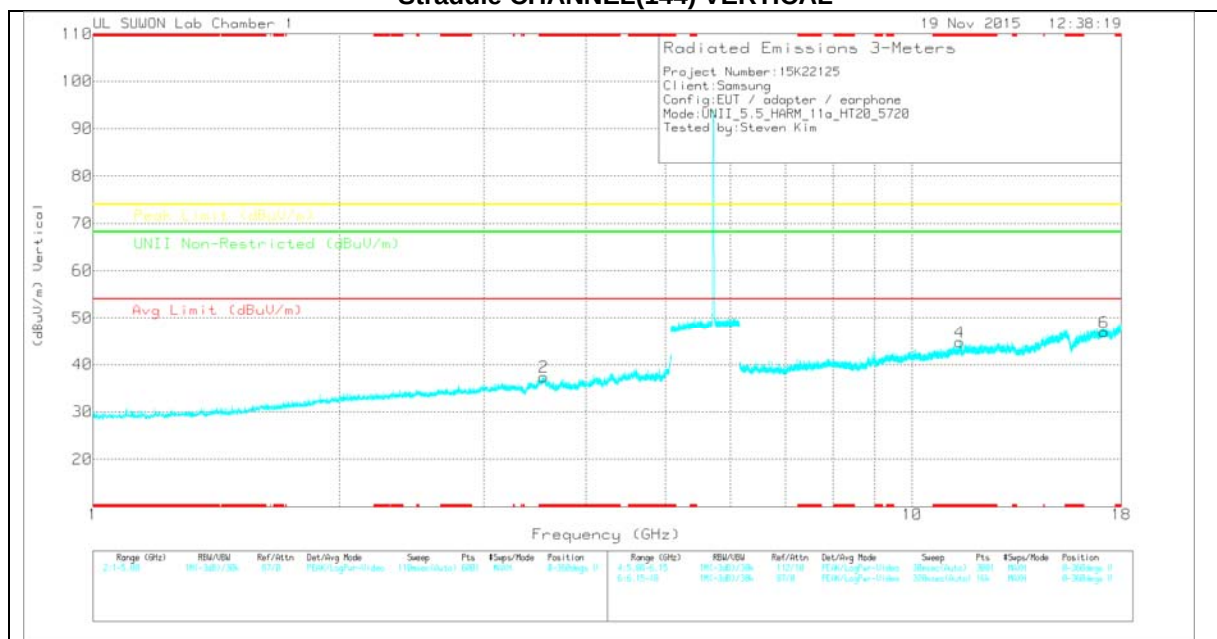
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-63.86	Pk	34.9	-21.8	11.8	0	-38.96	-17	-21.96	163	280	V
2	5.863	-61.58	Pk	34.9	-21.8	11.8	0	-36.68	-27	-9.68	163	280	V

Pk - Peak detector

Straddle CHANNEL(144) HORIZONTAL



Straddle CHANNEL(144) 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.

Straddle CHANNEL(144) DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.553	39.98	PK	32.8	-34.5	0	38.28	-	-	74	-35.72	-	-	0-360	200	H
2	* 3.551	39.07	PK	32.8	-34.5	0	37.37	-	-	74	-36.63	-	-	0-360	100	V
3	* 11.433	33.43	PK	38.6	-26.9	0	45.13	-	-	74	-28.87	-	-	0-360	200	H
5	17.16	30.26	PK	41.3	-21.4	0	50.16	-	-	-	-	68.2	-18.04	0-360	200	H
4	* 11.438	32.99	PK	38.6	-26.9	0	44.69	-	-	74	-29.31	-	-	0-360	100	V
6	17.155	27.17	PK	41.3	-21.5	0	46.97	-	-	-	-	68.2	-21.23	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

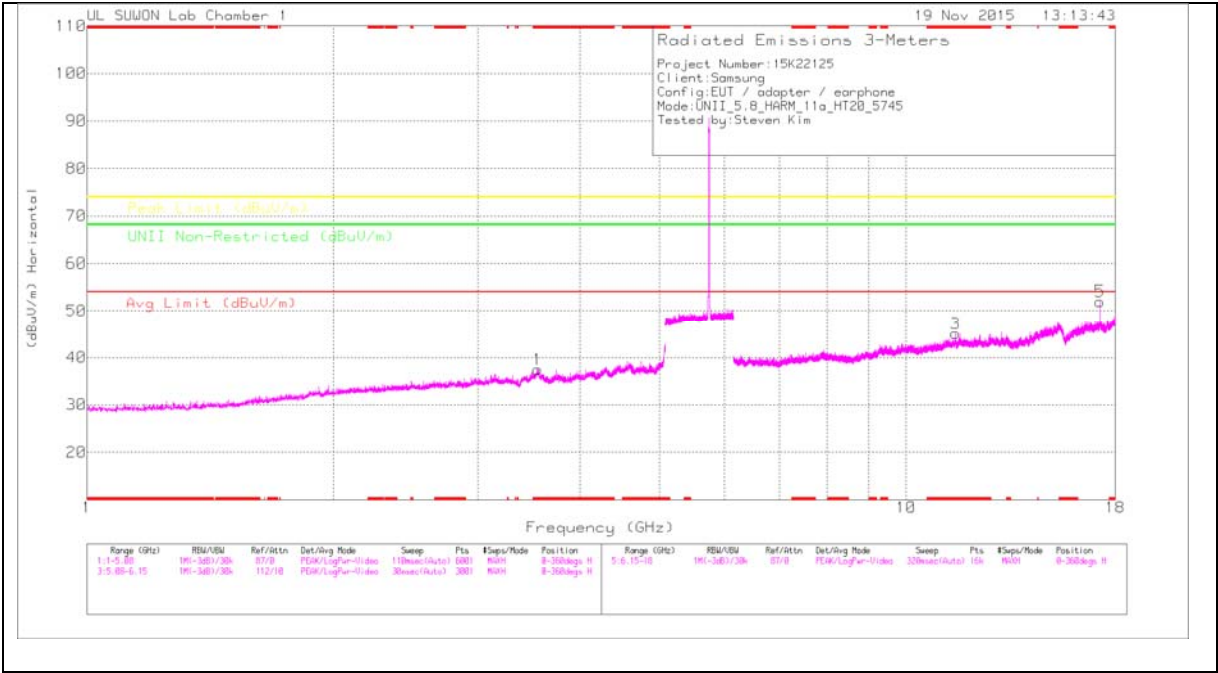
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.438	42.41	PK-U	38.6	-26.9	0	54.11	-	-	74	-19.89	-	-	144	327	H
* 11.437	30.04	ADR	38.6	-26.9	.3	42.04	54	-11.96	-	-	-	-	144	327	H
17.164	43.41	PK-U	41.3	-21.4	0	63.31	-	-	-	-	68.2	-4.89	169	191	H
* 11.438	43.43	PK-U	38.6	-26.9	0	55.13	-	-	74	-18.87	-	-	204	286	V
* 11.444	31.17	ADR	38.6	-26.9	.3	43.17	54	-10.83	-	-	-	-	204	286	V

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

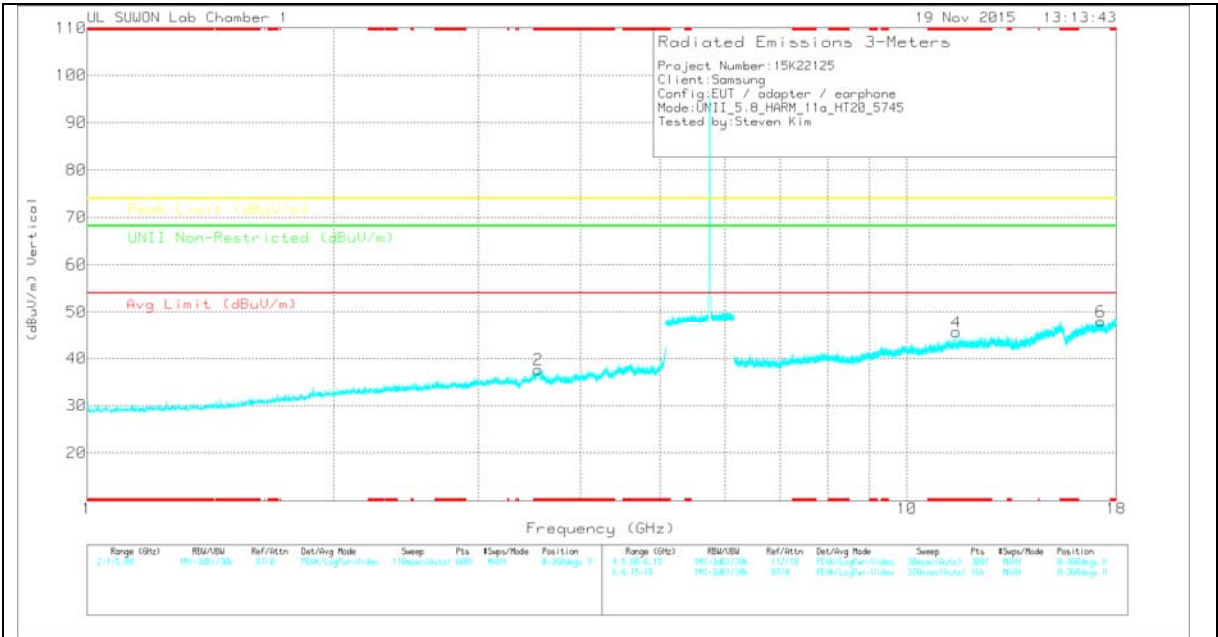
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.549	39.24	PK	32.8	-34.5	0	37.54	-	-	74	-36.46	-	-	0-360	100	H
2	* 3.55	39.33	PK	32.8	-34.5	0	37.63	-	-	74	-36.37	-	-	0-360	200	V
3	* 11.493	33.13	PK	38.6	-26.6	0	45.13	-	-	74	-28.87	-	-	0-360	200	H
5	17.24	31.53	PK	41.2	-20.7	0	52.03	-	-	-	-	68.2	-16.17	0-360	200	H
4	* 11.492	33.68	PK	38.6	-26.6	0	45.68	-	-	74	-28.32	-	-	0-360	100	V
6	17.236	27.6	PK	41.2	-20.8	0	48	-	-	-	-	68.2	-20.2	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

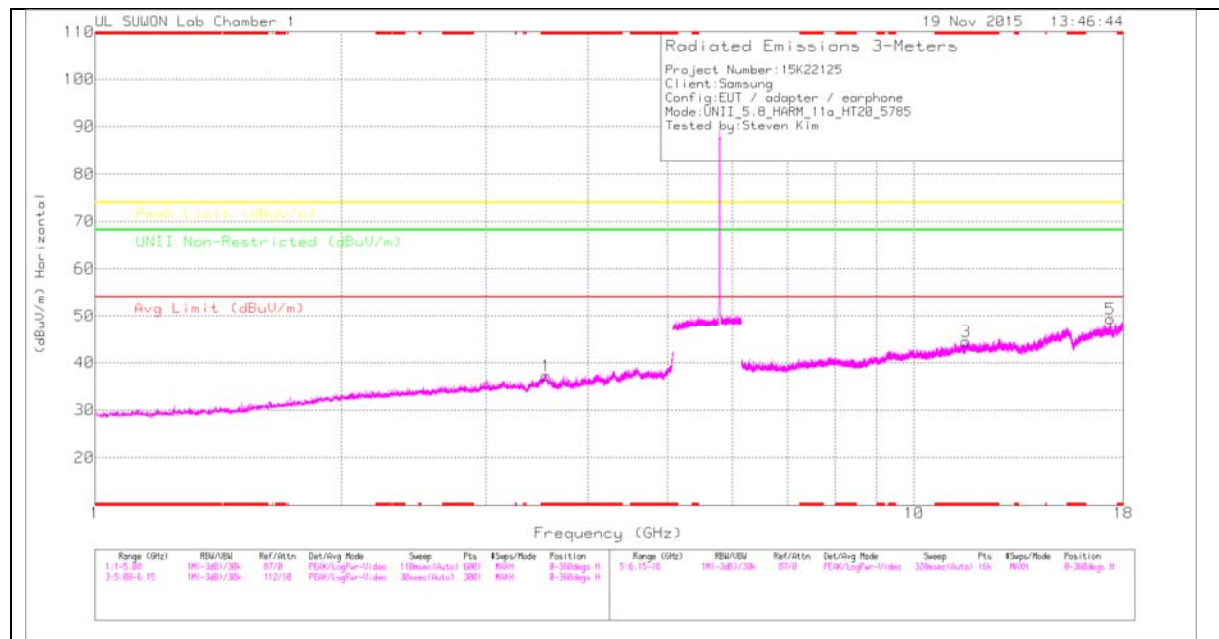
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.49	46.45	PK-U	38.6	-26.7	0	58.35	-	-	74	-15.65	-	-	7	229	H
* 11.492	32.14	ADR	38.6	-26.6	.3	44.44	54	-9.56	-	-	-	-	7	229	H
17.237	42.65	PK-U	41.2	-20.8	0	63.05	-	-	-	-	68.2	-5.15	157	152	H
* 11.493	45.23	PK-U	38.6	-26.6	0	57.23	-	-	74	-16.77	-	-	292	368	H
* 11.492	30.94	ADR	38.6	-26.6	.3	43.24	54	-10.76	-	-	-	-	292	368	H

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

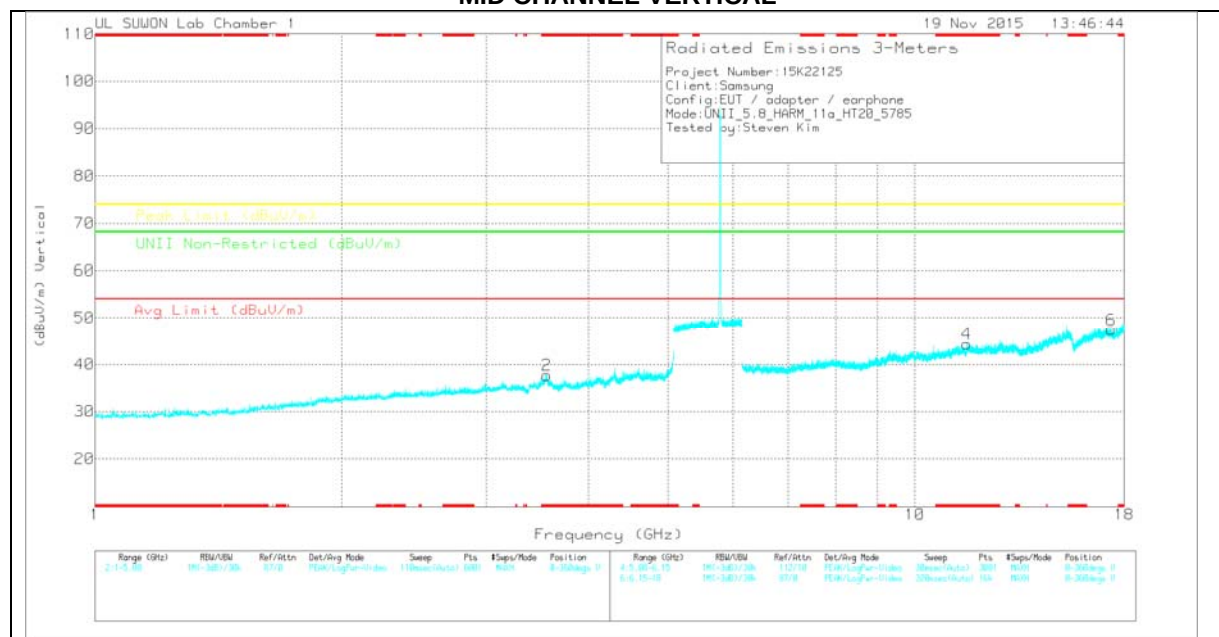
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.553	38.96	PK	32.8	-34.5	0	37.26	-	-	74	-36.74	-	-	0-360	200	H
2	* 3.557	39.18	PK	32.9	-34.4	0	37.68	-	-	74	-36.32	-	-	0-360	100	V
3	* 11.567	32.31	PK	38.7	-26.6	0	44.41	-	-	74	-29.59	-	-	0-360	200	H
5	17.355	29.26	PK	41.2	-21.1	0	49.36	-	-	-	-	68.2	-18.84	0-360	200	H
4	* 11.573	32.3	PK	38.7	-26.6	0	44.4	-	-	74	-29.6	-	-	0-360	100	V
6	17.353	27.39	PK	41.2	-21.1	0	47.49	-	-	-	-	68.2	-20.71	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

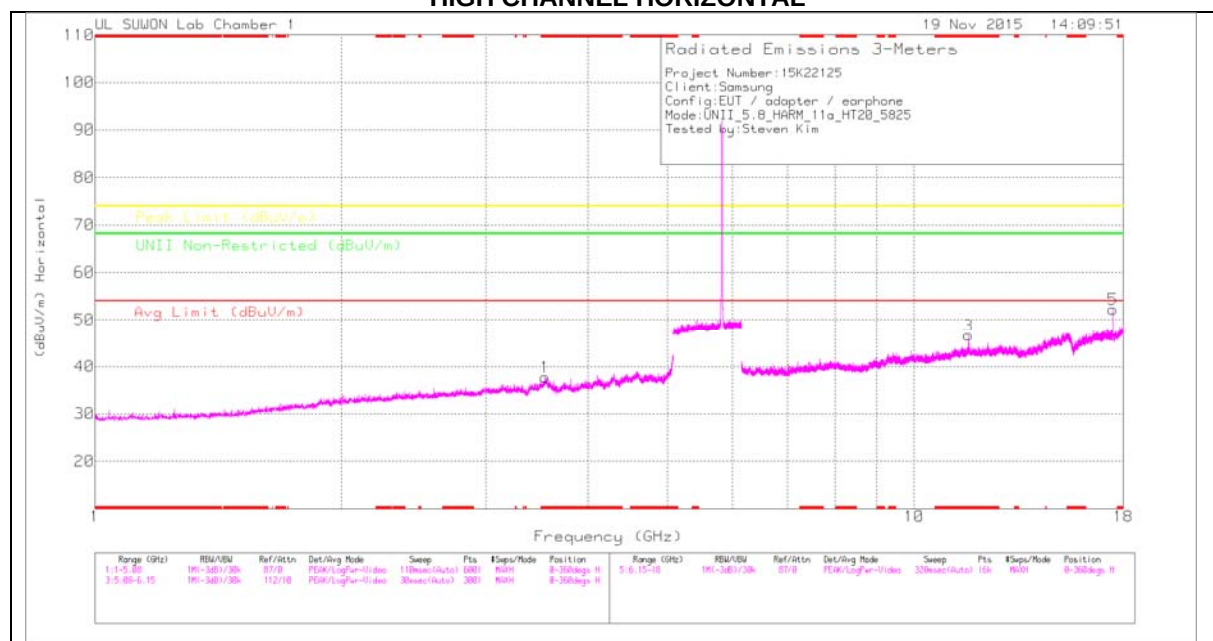
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016871 7)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
17.356	43.93	PK-U	41.2	-21.1	0	64.03	-	-	-	-	68.2	-4.17	169	194	H

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

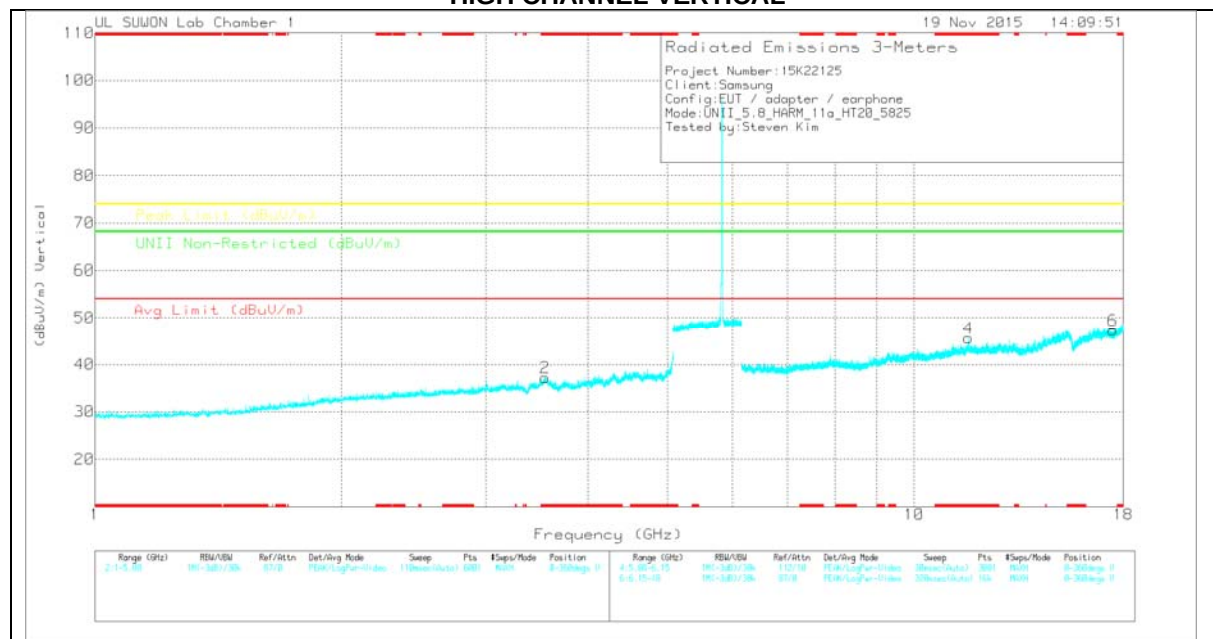
PK-U - U-NII: Maximum Peak

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8717)_150 619	Path_4	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	* 3.546	39.44	PK	32.8	-34.5	0	37.74	-	-	74	-36.26	-	-	0-360	100	H
2	* 3.546	38.91	PK	32.8	-34.5	0	37.21	-	-	74	-36.79	-	-	0-360	100	V
3	* 11.65	34.87	PK	38.7	-26.9	0	46.67	-	-	74	-27.33	-	-	0-360	200	H
5	17.473	32.04	PK	41.1	-20.9	0	52.24	-	-	-	-	68.2	-15.96	0-360	200	H
4	* 11.652	33.84	PK	38.7	-26.9	0	45.64	-	-	74	-28.36	-	-	0-360	100	V
6	17.477	27.11	PK	41.1	-20.9	0	47.31	-	-	-	-	68.2	-20.89	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	3117(001687 17)_150619	Path_5	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
* 11.649	46.69	PK-U	38.7	-26.9	0	58.49	-	-	74	-15.51	-	-	2	222	H
* 11.65	32.93	ADR	38.7	-26.9	.3	45.03	54	-8.97	-	-	-	-	2	222	H
17.476	41.78	PK-U	41.1	-20.9	0	61.98	-	-	-	-	68.2	-6.22	157	241	H
* 11.649	46.5	PK-U	38.7	-26.9	0	58.3	-	-	74	-15.7	-	-	204	118	V
* 11.652	31.62	ADR	38.7	-26.9	.3	43.72	54	-10.28	-	-	-	-	204	118	V

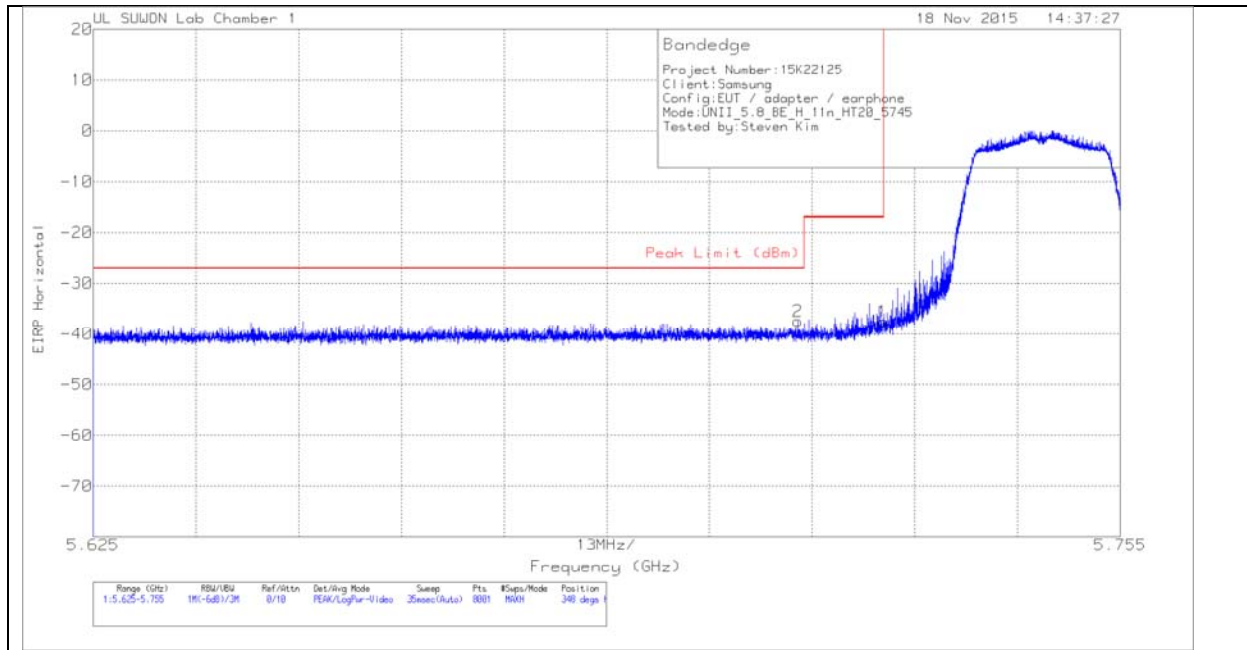
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS 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



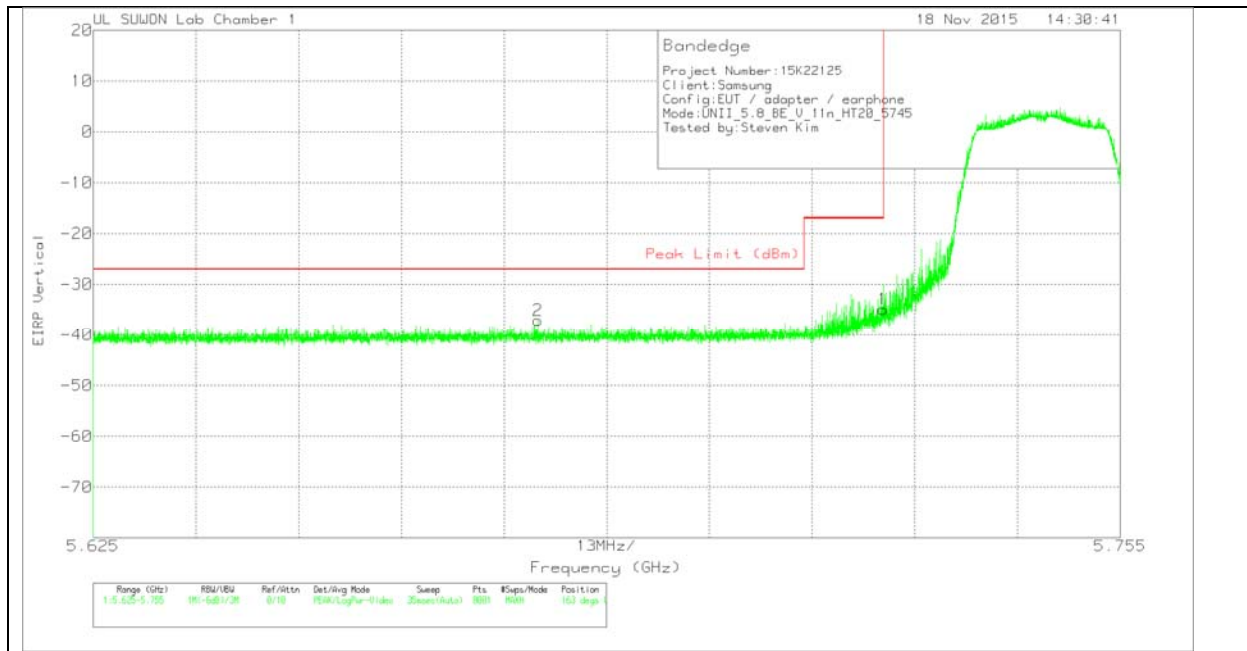
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-61.75	Pk		-22.4	11.8	0	-37.55	-17	-20.55	348	132	H
2	5.714	-61.63	Pk		-22.4	11.8	0	-37.43	-27	-10.43	348	132	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

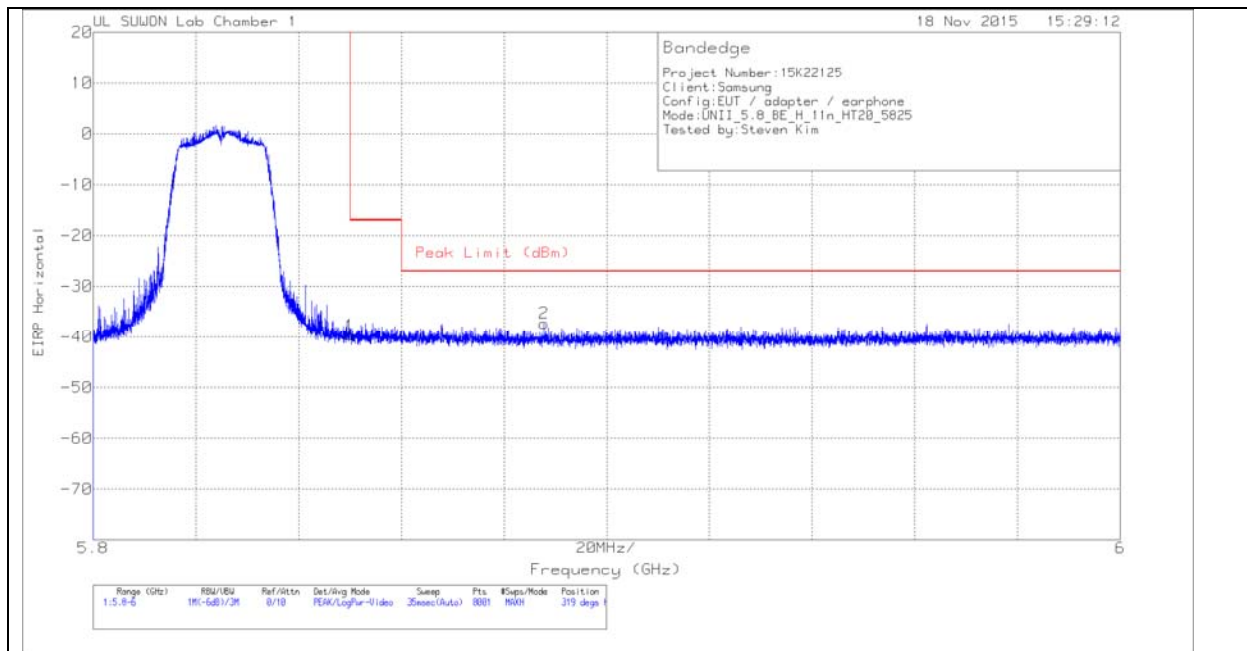
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-59.07	Pk	34.8	-22.4	11.8	0	-34.87	-17	-17.87	163	263	V
2	5.681	-61.27	Pk	34.8	-22.4	11.8	0	-37.07	-27	-10.07	163	263	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



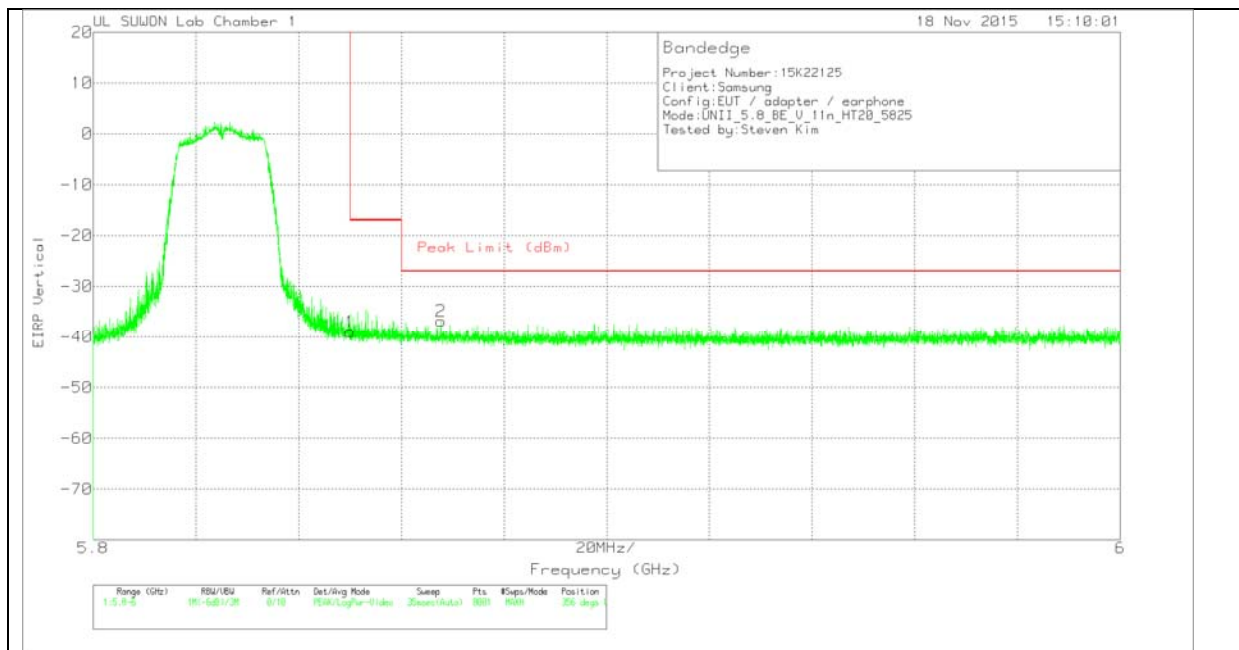
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.53	Pk	34.9	-21.8	11.8	0	-39.63	-17	-22.63	319	226	H
2	5.888	-62.08	Pk	34.9	-21.9	11.8	0	-37.28	-27	-10.28	319	226	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(0016 8717)_150 619	Path_2	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-63.86	Pk	34.9	-21.8	11.8	0	-38.96	-17	-21.96	356	301	V
2	5.868	-61.74	Pk	34.9	-21.8	11.8	0	-36.84	-27	-9.84	356	301	V

Pk - Peak detector