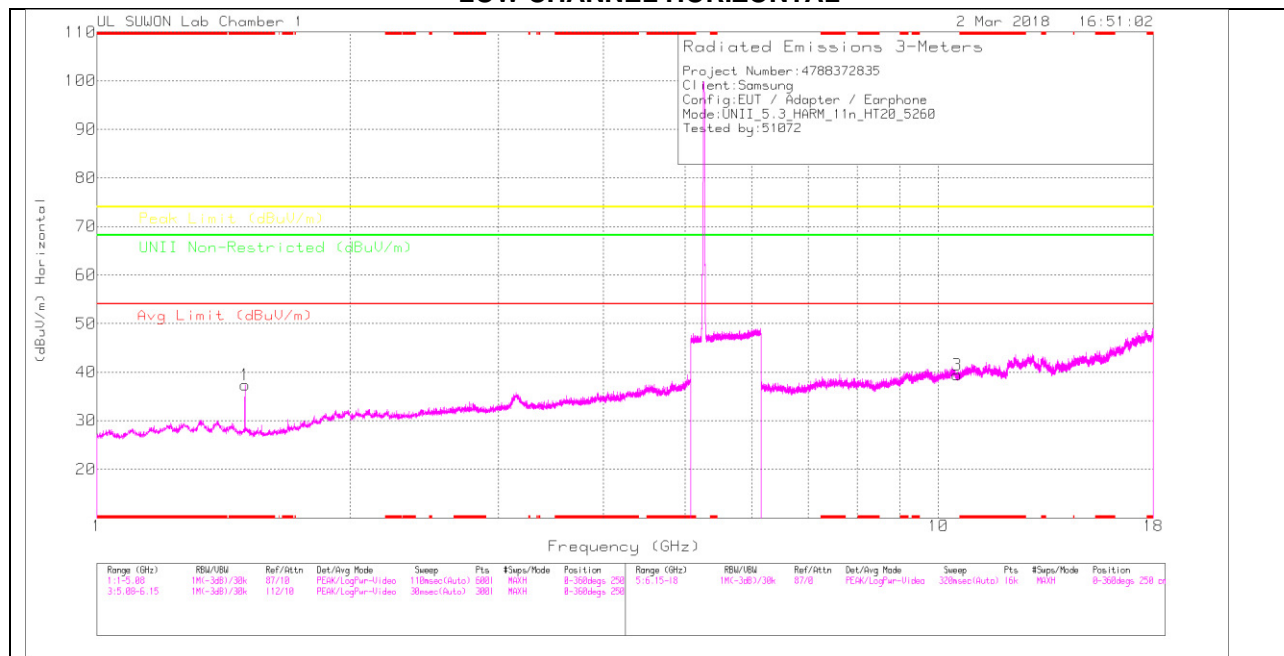
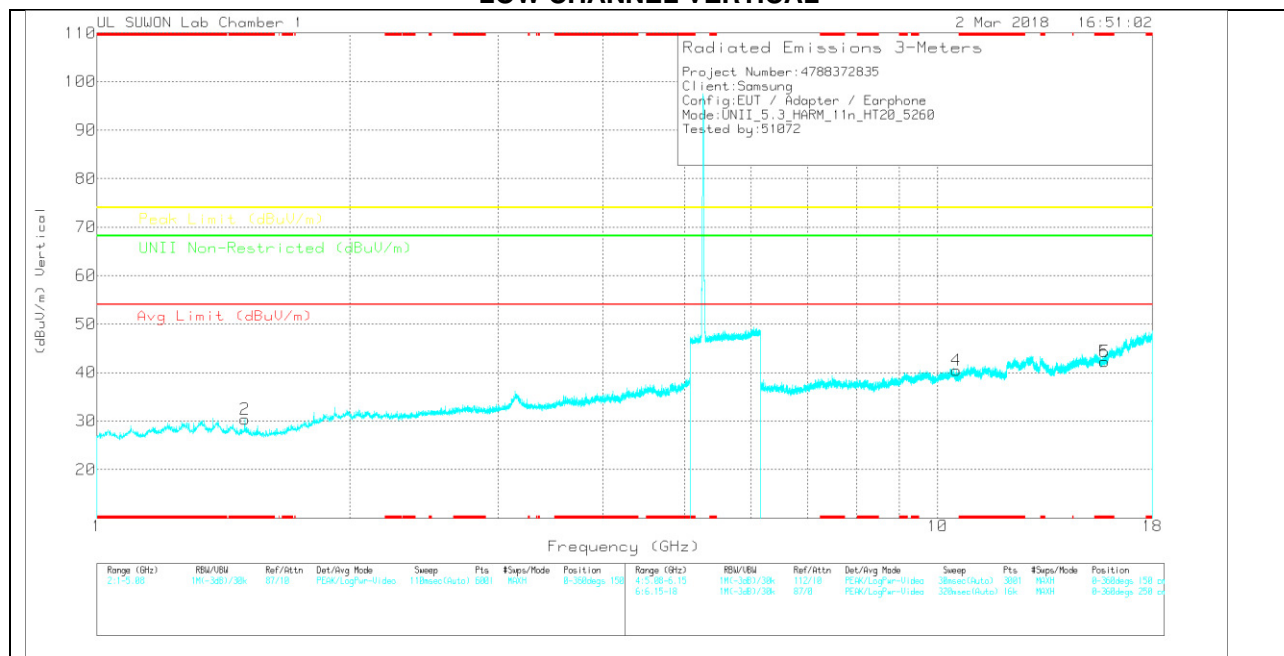


HARMONICS AND SPURIOUS EMISSIONS

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	20170531_3117_001 68717	5GHz_LF(8B)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 1.5	45.67	Avg	28.3	-36.6	0	37.37	-	-	74	-36.63	-	-	0-360	150	H
2	* 1.499	38.67	Avg	28.3	-36.6	0	30.37	-	-	74	-43.63	-	-	0-360	250	V
3	10.521	24.87	Avg	37.5	-23	0	39.37	-	-	-	-	68.2	-28.83	0-360	250	H
4	10.521	25.95	Avg	37.5	-23	0	40.45	-	-	-	-	68.2	-27.75	0-360	250	V
5	* 15.78	23.45	Avg	40.1	-21.3	0	42.25	-	-	74	-31.75	-	-	0-360	250	V
6	* 15.78	23.45	Avg	40.1	-21.3	0	42.25	-	-	74	-31.75	-	-	0-360	250	V

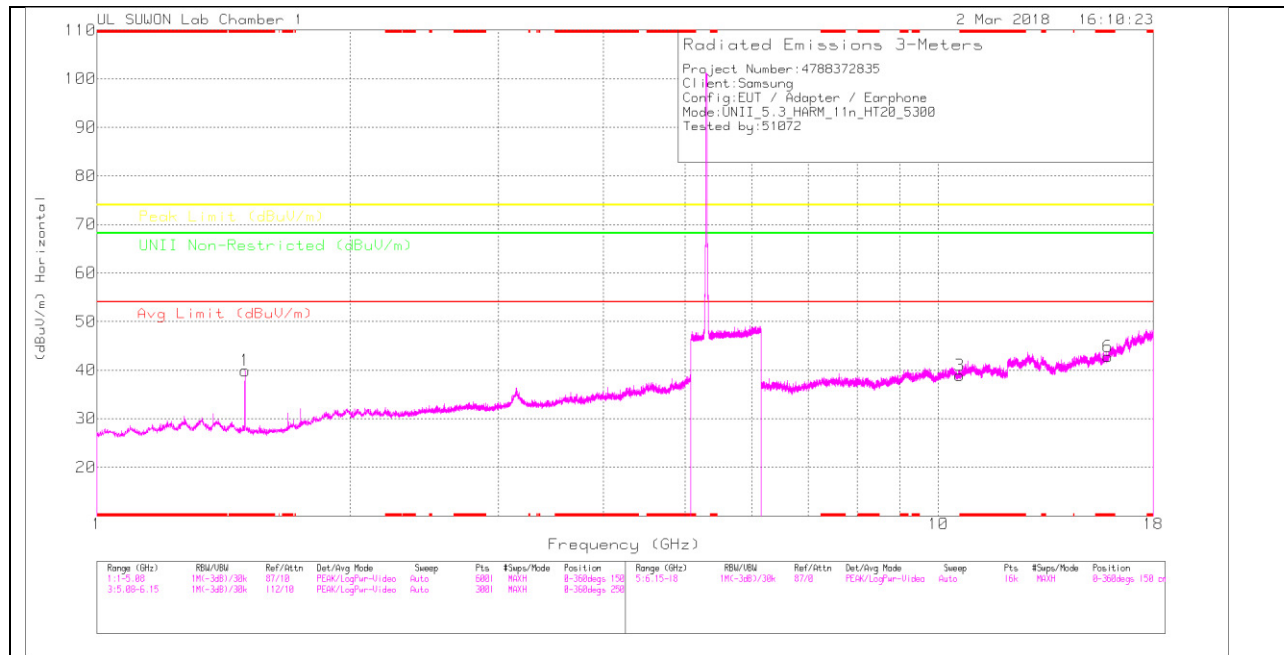
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK - Detector

Radiated Emissions

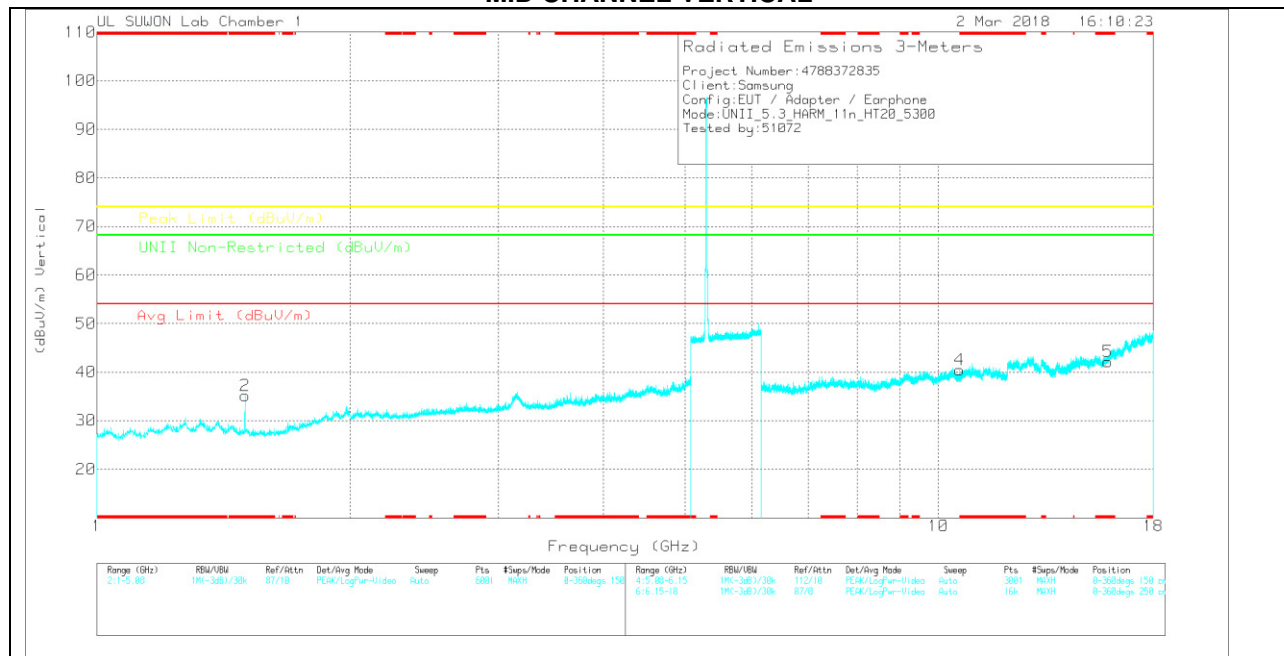
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LF(8B)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 1.5	52.47	PK-U	28.3	-36.6	0	44.17	-	-	74	-29.83	-	-	302	100	H
* 1.5	35.54	ADR	28.3	-36.6	0	27.24	54	-26.76	-	-	-	-	302	100	H
* 1.5	49.24	PK-U	28.3	-36.6	0	40.94	-	-	74	-33.06	-	-	53	295	V
* 1.5	35.75	ADR	28.3	-36.6	0	27.45	54	-26.55	-	-	-	-	53	295	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-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	20170531_3117_001 68717	5GHz_LF(dB) 170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U-NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 1.499	48.18	PK	28.3	-36.6	0	39.88	-	-	74	-34.12	-	-	0-360	150	H
2	* 1.5	43.47	PK	28.3	-36.6	0	35.17	-	-	74	-38.83	-	-	0-360	250	V
3	* 10.6	24.06	PK	37.6	-22.8	0	38.86	-	-	74	-35.14	-	-	0-360	250	H
6	* 15.9	23.99	PK	40.3	-21.5	0	42.79	-	-	74	-31.21	-	-	0-360	250	H
4	10.599	25.63	PK	37.6	-22.8	0	40.43	-	-	-	-	68.2	-27.77	0-360	150	V
5	* 15.9	23.39	PK	40.3	-21.5	0	42.19	-	-	74	-31.81	-	-	0-360	150	V

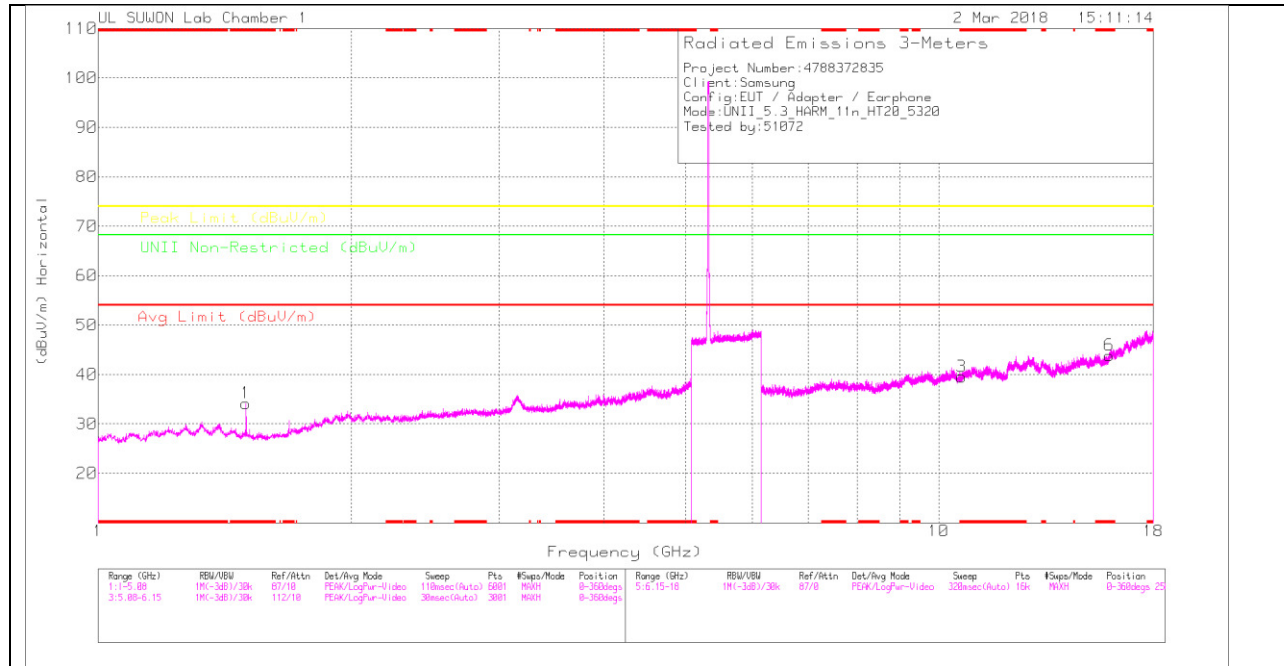
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

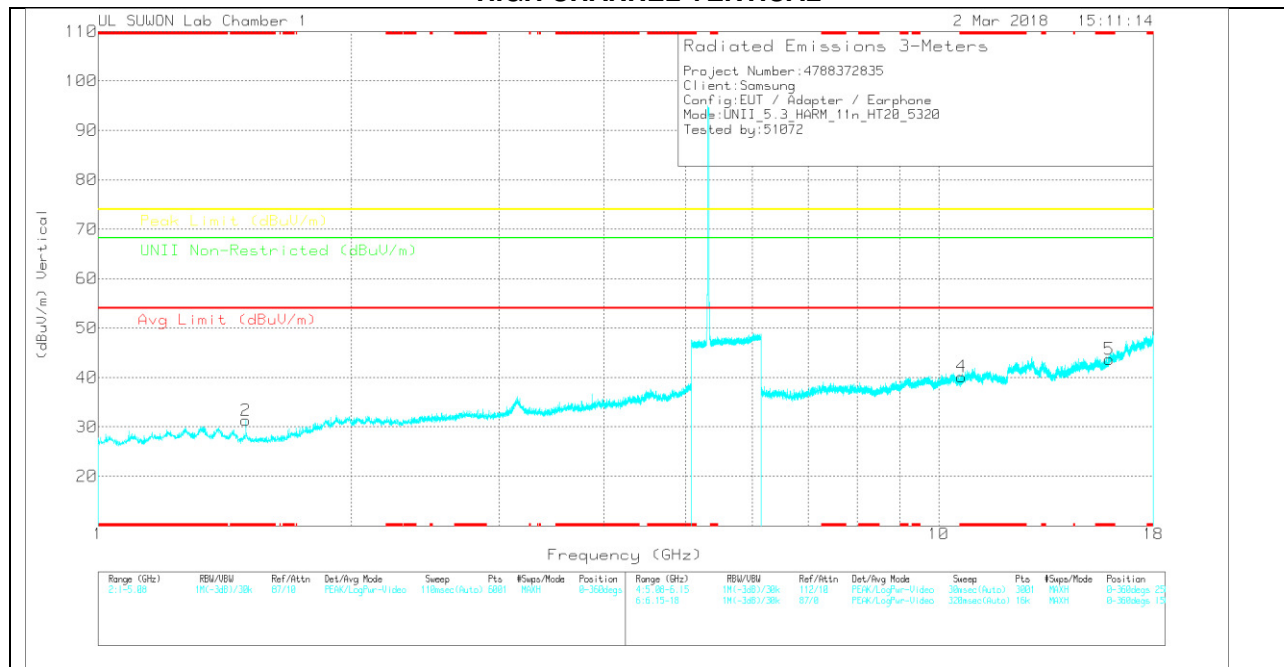
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LF(dB) 170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U-NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 1.499	50.47	PK-U	28.3	-36.6	0	42.17	-	-	74	-31.83	-	-	208	185	H
* 1.503	35.23	ADR	28.3	-36.6	0	26.93	54	-27.07	-	-	-	-	208	185	H
* 1.499	49.03	PK-U	28.3	-36.6	0	40.73	-	-	74	-33.27	-	-	50	300	V
* 1.5	35.68	ADR	28.3	-36.6	0	27.38	54	-26.62	-	-	-	-	50	300	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-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	20170531_3117_001 68717	5GHz_LF(00)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	ULN Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 1.499	42.49	Avg	28.3	-36.6	0	34.19	-	-	74	-39.81	-	-	0-360	250	H
2	* 1.499	39.61	Avg	28.3	-36.6	0	31.31	-	-	74	-42.69	-	-	0-360	150	V
3	* 10.64	24.35	Avg	37.7	-22.5	0	39.55	-	-	74	-34.45	-	-	0-360	150	H
6	* 15.961	24.46	Avg	40.4	-21	0	43.86	-	-	74	-30.14	-	-	0-360	150	H
4	* 10.64	24.95	Avg	37.7	-22.5	0	40.15	-	-	74	-33.85	-	-	0-360	250	V
5	* 15.961	24.29	Avg	40.4	-21	0	43.69	-	-	74	-30.31	-	-	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LF(00)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	ULN Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 1.5	47.57	PK-U	28.3	-36.6	0	39.27	-	-	74	-34.73	-	-	139	348	H
* 1.505	35.24	ADR	28.2	-36.6	0	26.84	54	-27.16	-	-	-	-	139	348	H
* 1.501	49.05	PK-U	28.3	-36.6	0	40.75	-	-	74	-33.25	-	-	28	299	V
* 1.5	35.54	ADR	28.3	-36.6	0	27.24	54	-26.76	-	-	-	-	28	299	V

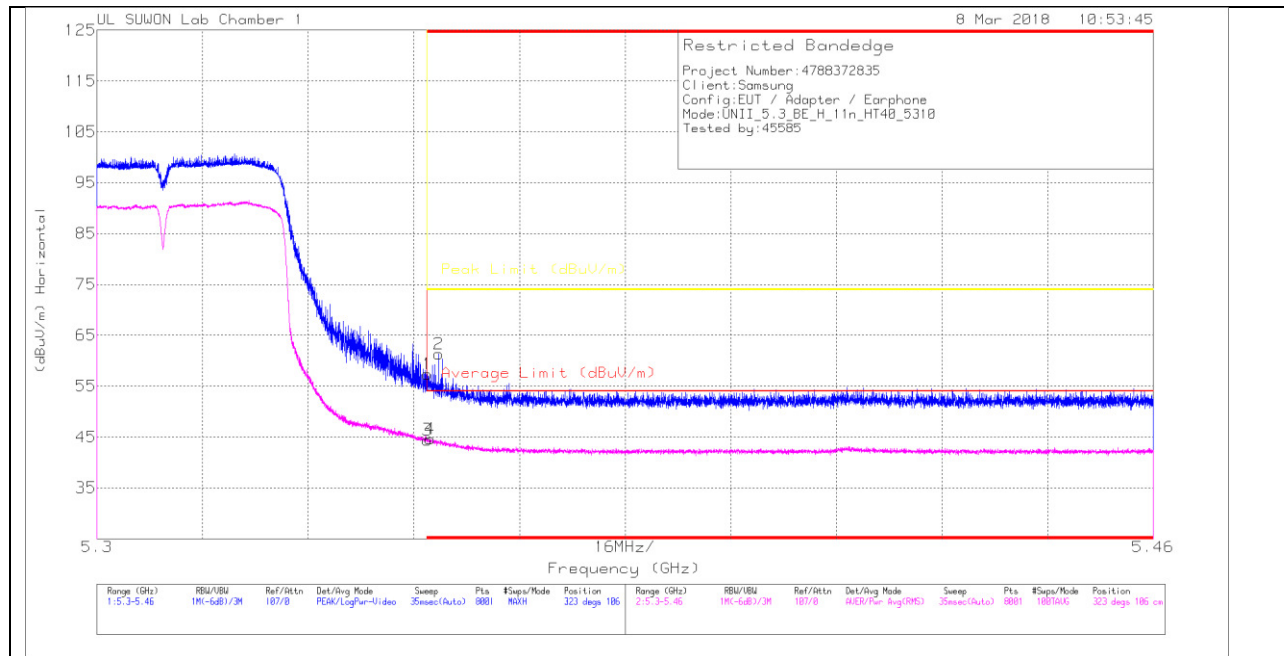
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

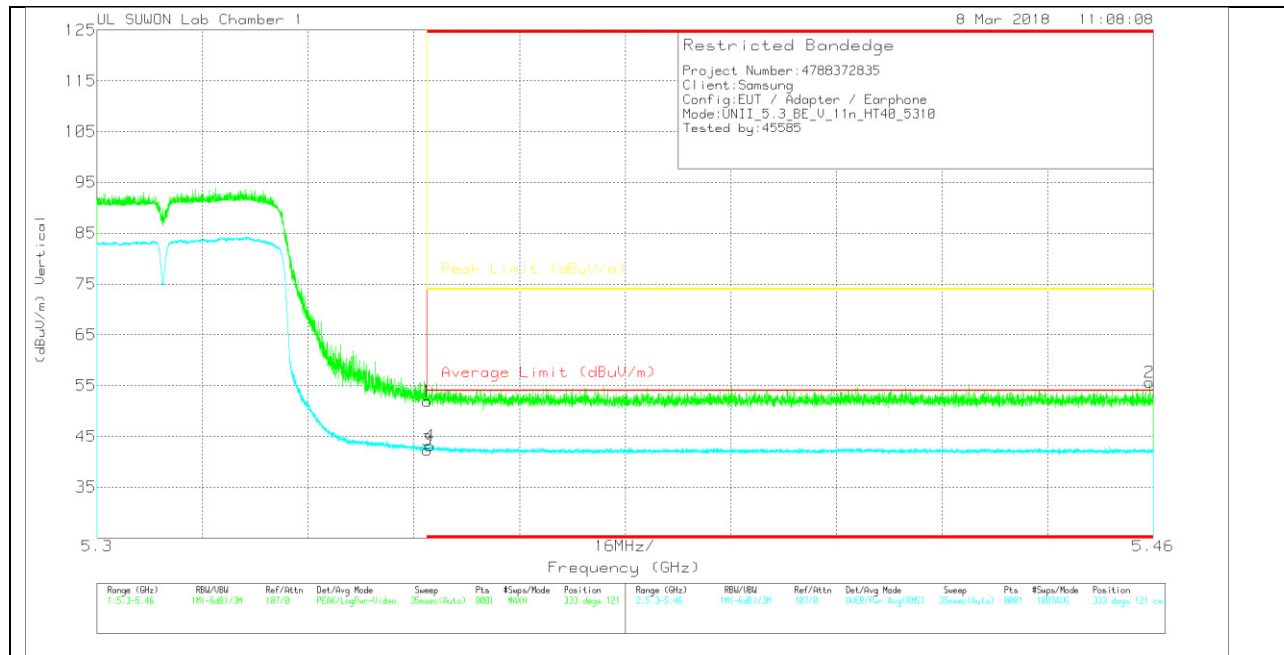
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	44.88	PK	34.2	-21.7	0	57.38	-	-	74	-16.62	323	106	H
2	* 5.352	48.86	PK	34.2	-21.7	0	61.36	-	-	74	-12.64	323	106	H
3	* 5.35	31.77	RMS	34.2	-21.7	.18	44.45	54	-9.55	-	-	323	106	H
4	* 5.35	31.97	RMS	34.2	-21.7	.18	44.65	54	-9.35	-	-	323	106	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	39.43	Pk	34.2	-21.7	0	51.93	-	-	74	-22.07	333	121	V
2	* 5.459	42.82	Pk	34.3	-21.5	0	55.62	-	-	74	-18.38	333	121	V
3	* 5.35	29.64	RMS	34.2	-21.7	.18	42.32	54	-11.68	-	-	333	121	V
4	* 5.35	30.48	RMS	34.2	-21.7	.18	43.16	54	-10.84	-	-	333	121	V

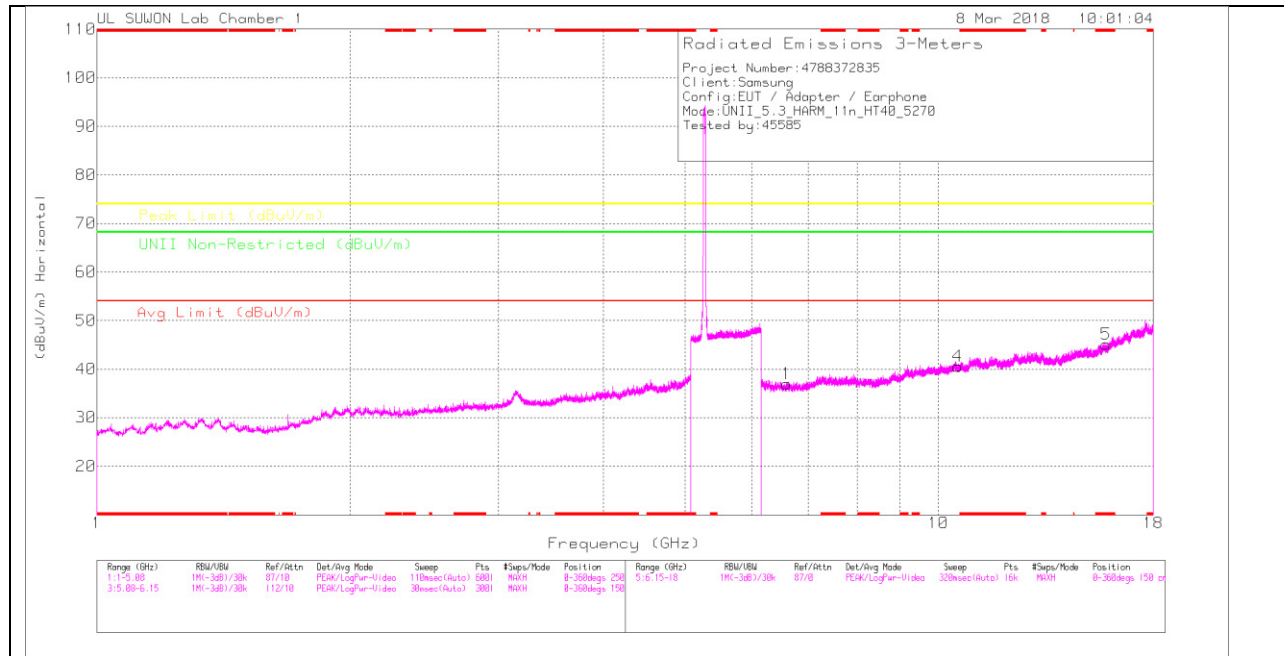
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

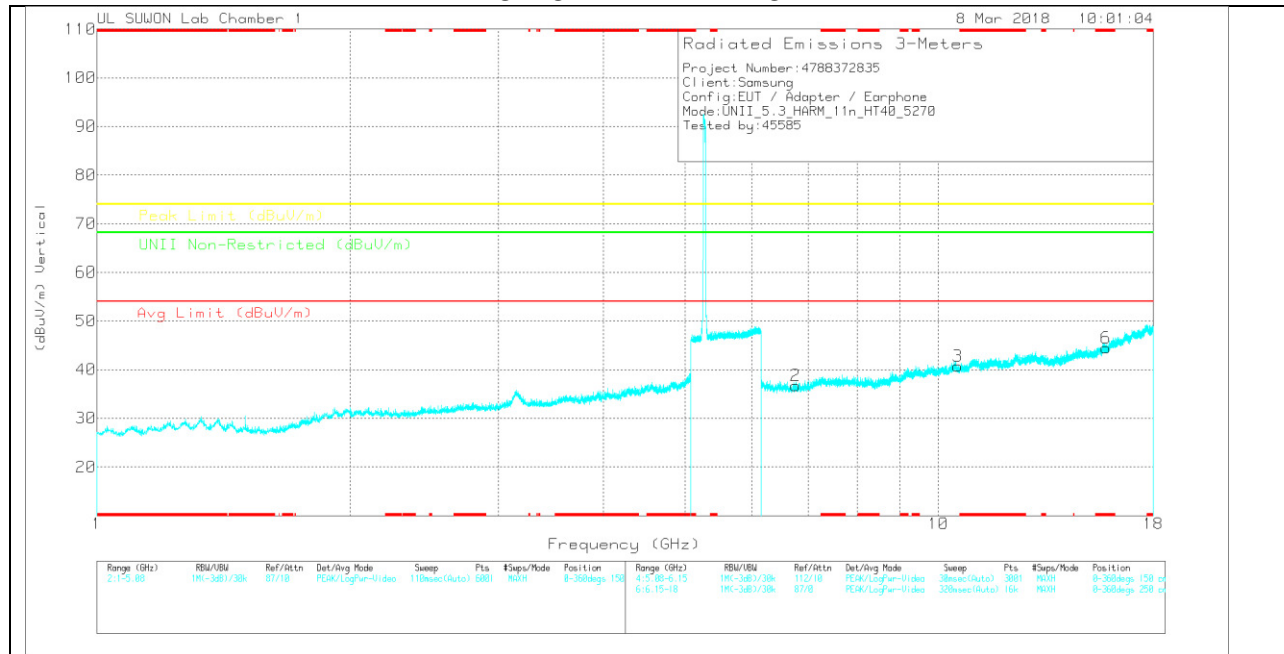
RMS - RMS detection

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

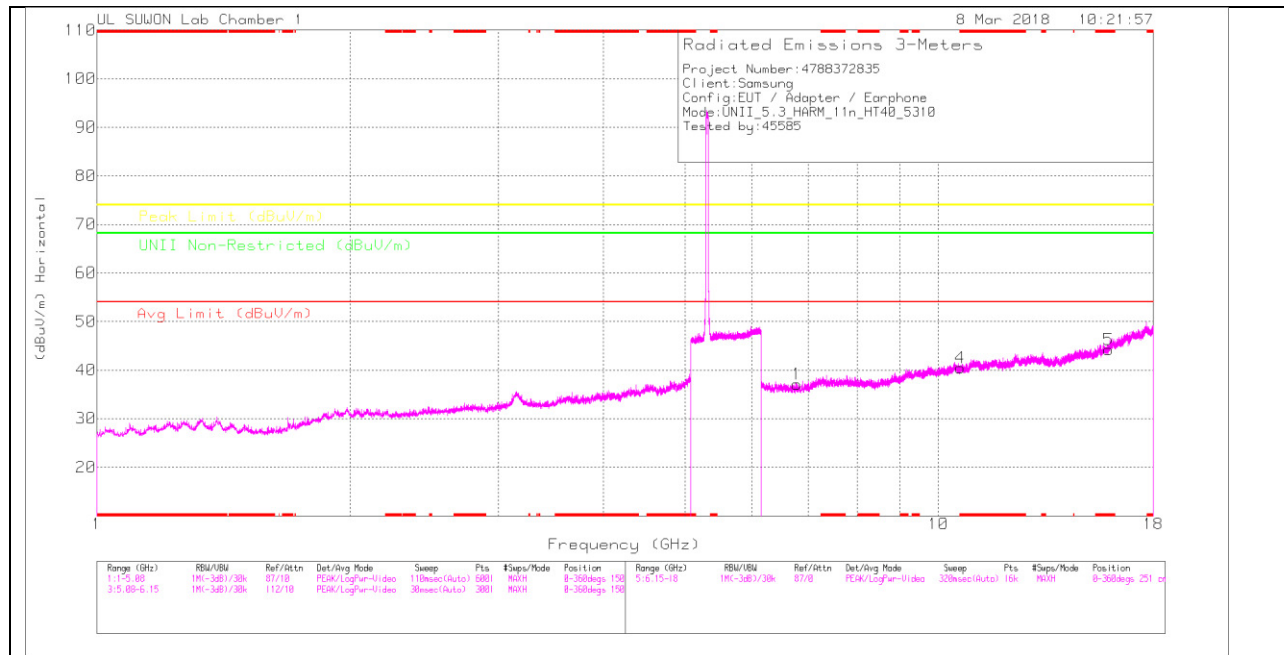
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_001 68717	6GHz_HP(dB)_17080 9	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unl Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	6.601	30.35	PK	35.1	-28.5	0	36.95	-	-	-	-	68.2	-31.25	0-360	250	H
4	10.541	26.03	PK	37.6	-23.1	0	40.53	-	-	-	-	68.2	-27.67	0-360	150	H
5	* 15.811	26.32	PK	40.1	-21.3	0	45.12	-	-	74	-28.88	-	-	0-360	250	H
2	6.766	30.03	PK	35.3	-28.6	0	36.73	-	-	-	-	68.2	-31.47	0-360	150	V
3	10.541	26.27	PK	37.6	-23.1	0	40.77	-	-	-	-	68.2	-27.43	0-360	250	V
6	* 15.811	25.64	PK	40.1	-21.3	0	44.44	-	-	74	-29.56	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

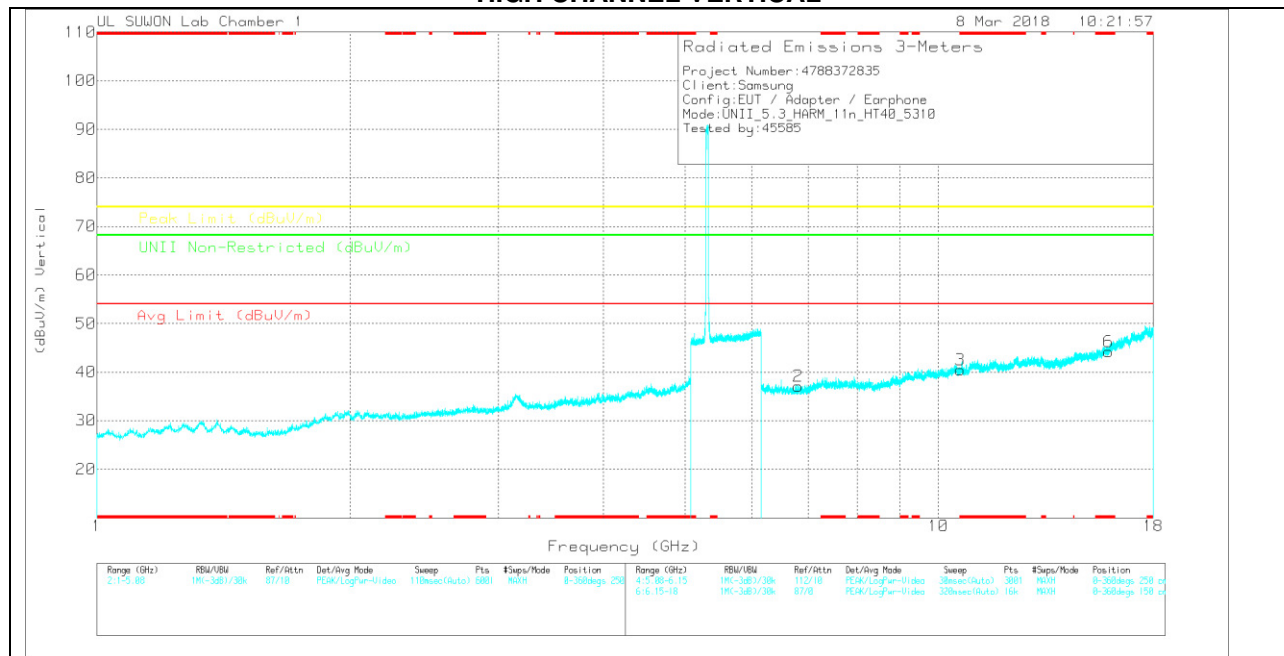
PK – Peak Detector

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)	Marker Reading (dBuV)	Det	20170511_5117_001 88717	90Hz_HP(dB)_17080 9	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	6.788	30.05	PK	35.3	-28.3	0	37.05	-	-	-	-	68.2	-31.15	0-360	251	H
4	* 10.621	25.5	PK	37.6	-22.6	0	40.5	-	-	74	-33.5	-	-	0-360	251	H
5	* 15.93	25.1	PK	40.4	-21.3	0	44.2	-	-	74	-29.8	-	-	0-360	251	H
2	6.813	29.97	PK	35.3	-28.2	0	37.07	-	-	-	-	68.2	-31.13	0-360	150	V
3	* 10.621	25.44	PK	37.6	-22.6	0	40.44	-	-	74	-33.56	-	-	0-360	150	V
6	* 15.93	25.13	PK	40.4	-21.3	0	44.23	-	-	74	-29.77	-	-	0-360	251	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

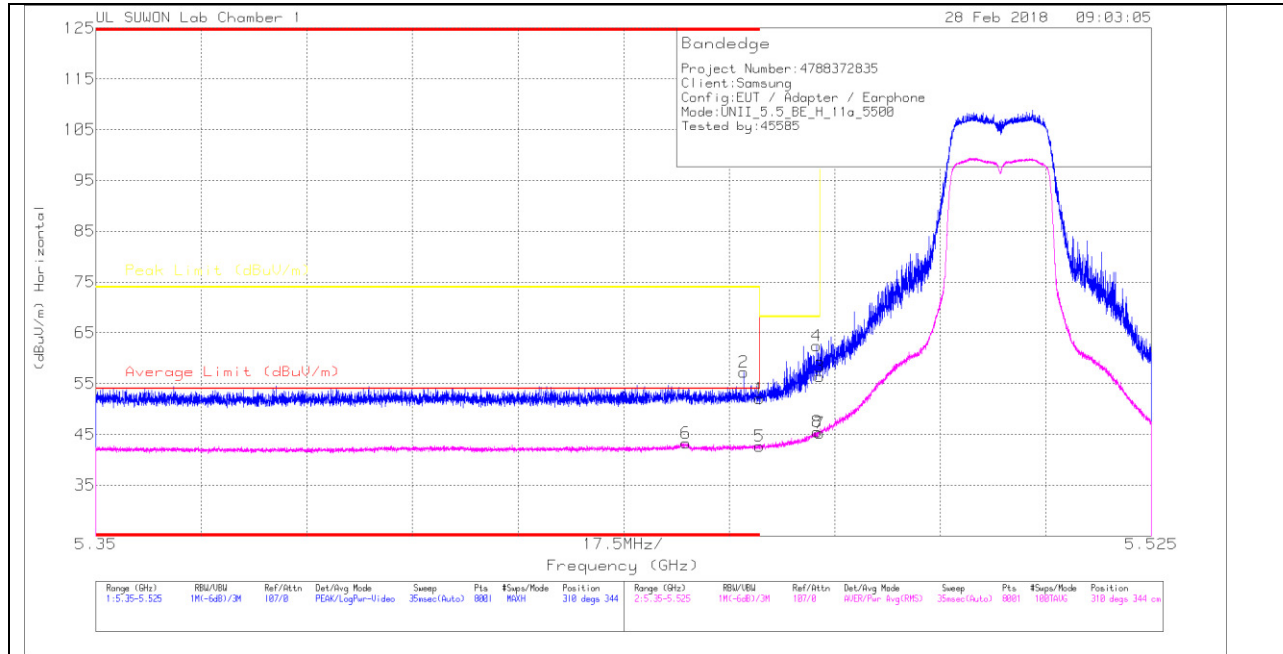
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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

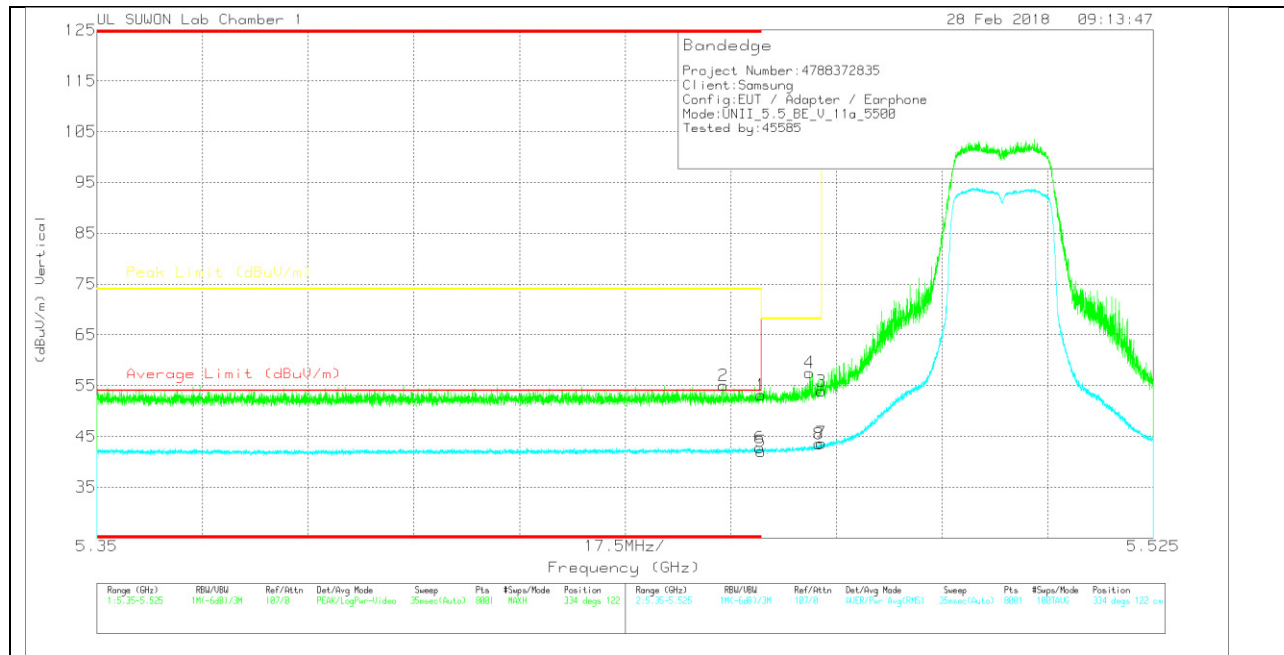
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.46	39.22	Pk	34.3	-21.5	0	52.02	-	-	74	-21.98	310	344	H
2	* 5.457	44.51	Pk	34.3	-21.6	0	57.21	-	-	74	-16.79	310	344	H
3	5.47	43.54	Pk	34.3	-21.5	0	56.34	-	-	68.2	-11.86	310	344	H
4	5.469	49.72	Pk	34.3	-21.6	0	62.42	-	-	68.2	-5.78	310	344	H
5	* 5.46	29.91	RMS	34.3	-21.5	0	42.71	54	-11.29	-	-	310	344	H
6	* 5.448	30.44	RMS	34.3	-21.5	0	43.24	54	-10.76	-	-	310	344	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.46	40.4	Pk	34.3	-21.5	0	53.2	-	-	74	-20.8	334	122	V
2	* 5.454	42.38	Pk	34.3	-21.6	0	55.08	-	-	74	-18.92	334	122	V
3	5.47	41.14	Pk	34.3	-21.5	0	53.94	-	-	68.2	-14.26	334	122	V
4	5.468	44.86	Pk	34.3	-21.6	0	57.56	-	-	68.2	-10.64	334	122	V
5	* 5.46	29.25	RMS	34.3	-21.5	0	42.05	54	-11.95	-	-	334	122	V
6	* 5.46	30.01	RMS	34.3	-21.5	0	42.81	54	-11.19	-	-	334	122	V

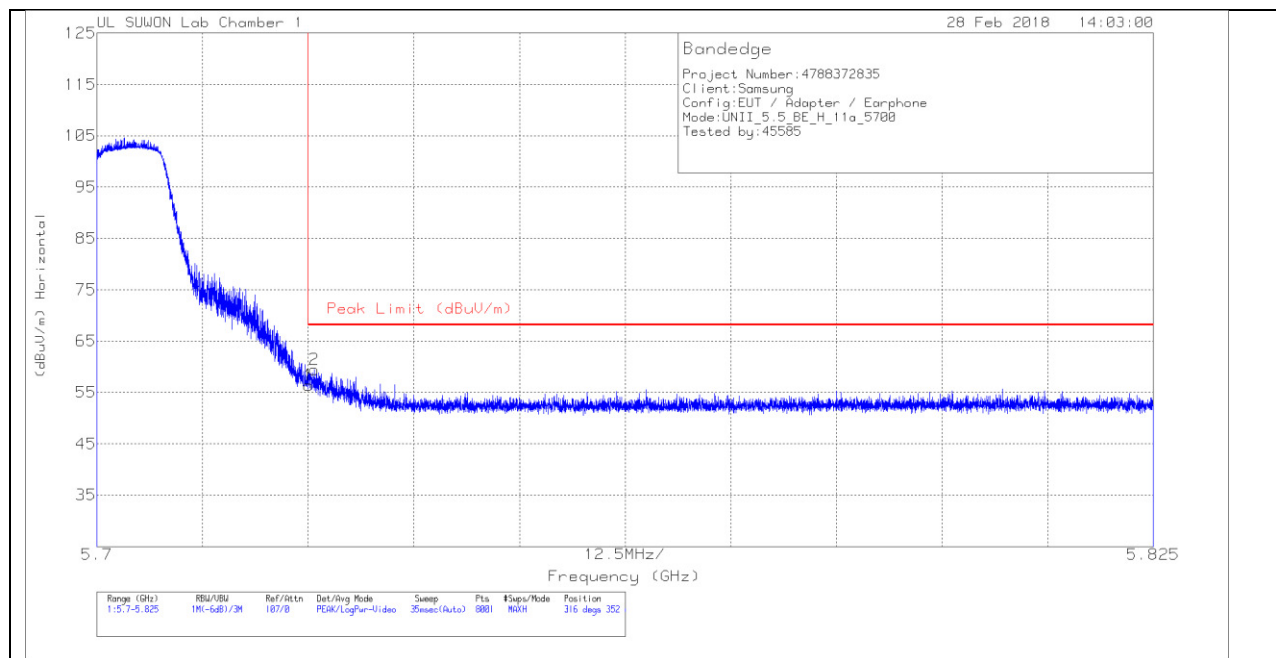
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



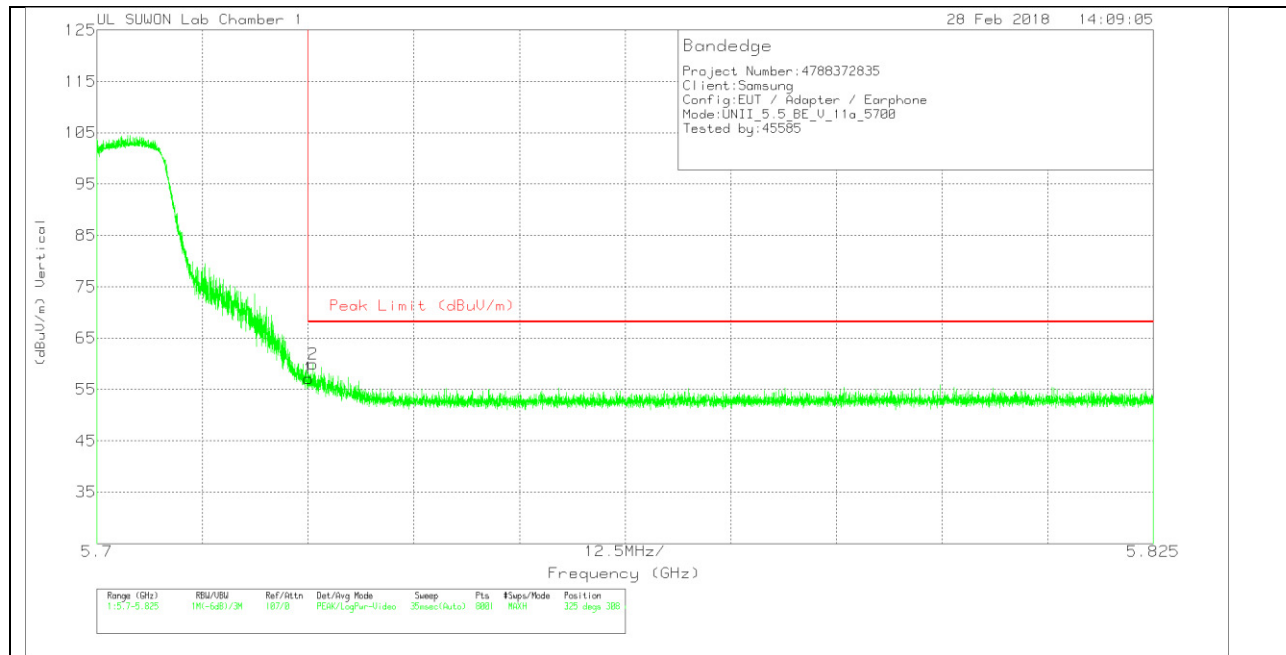
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_0 0168717	10dB_ATT(dB)_17 0809	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	34.4	-21.2	0	56.34	68.2	-11.86	316	352	H
2	5.726	46.25	Pk	34.4	-21.2	0	59.45	68.2	-8.75	316	352	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

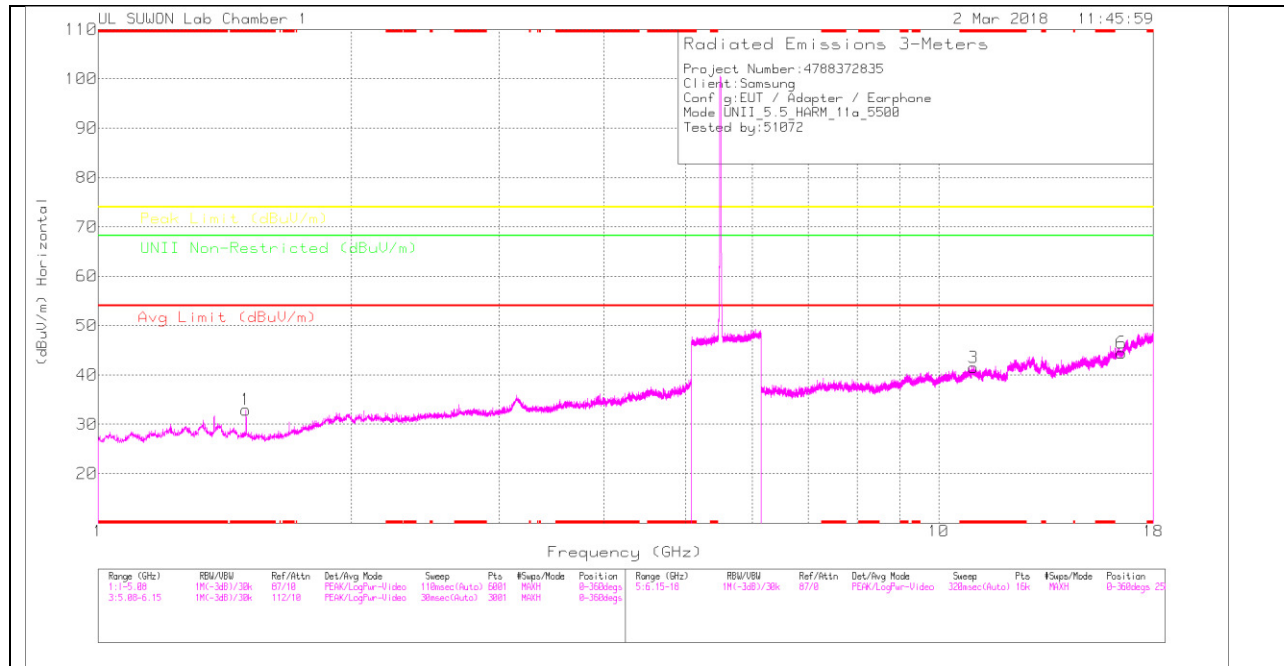
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_0 0168717	10dB_ATT(dB)_17 0809	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	43.95	Pk	34.4	-21.2	0	57.15	68.2	-11.05	325	308	V
2	5.726	46.73	Pk	34.4	-21.2	0	59.93	68.2	-8.27	325	308	V

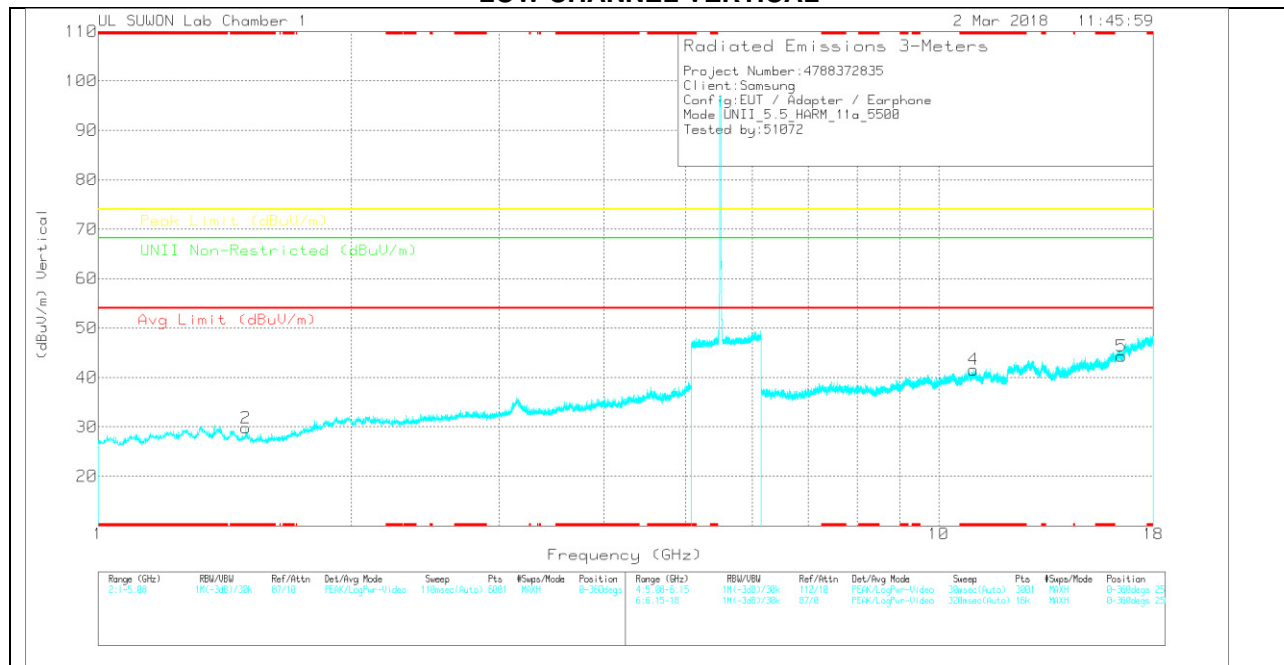
Pk - Peak detector

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	20170531_3117_001 68717	5GHz_LP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 1.5	41.22	PK	28.3	-36.6	0	32.92	-	-	74	-41.08	-	-	0-360	250	H
2	* 1.499	38.07	PK	28.3	-36.6	0	29.77	-	-	74	-44.23	-	-	0-360	150	V
3	* 11.002	25.49	PK	38	-22	0	41.49	-	-	74	-32.51	-	-	0-360	250	H
6	16.5	23.75	PK	40.7	-20	0	44.45	-	-	-	-	68.2	-23.75	0-360	150	H
4	* 11.001	25.59	PK	38	-22	0	41.59	-	-	74	-32.41	-	-	0-360	250	V
5	16.5	23.57	PK	40.7	-20	0	44.27	-	-	-	-	68.2	-23.93	0-360	250	V

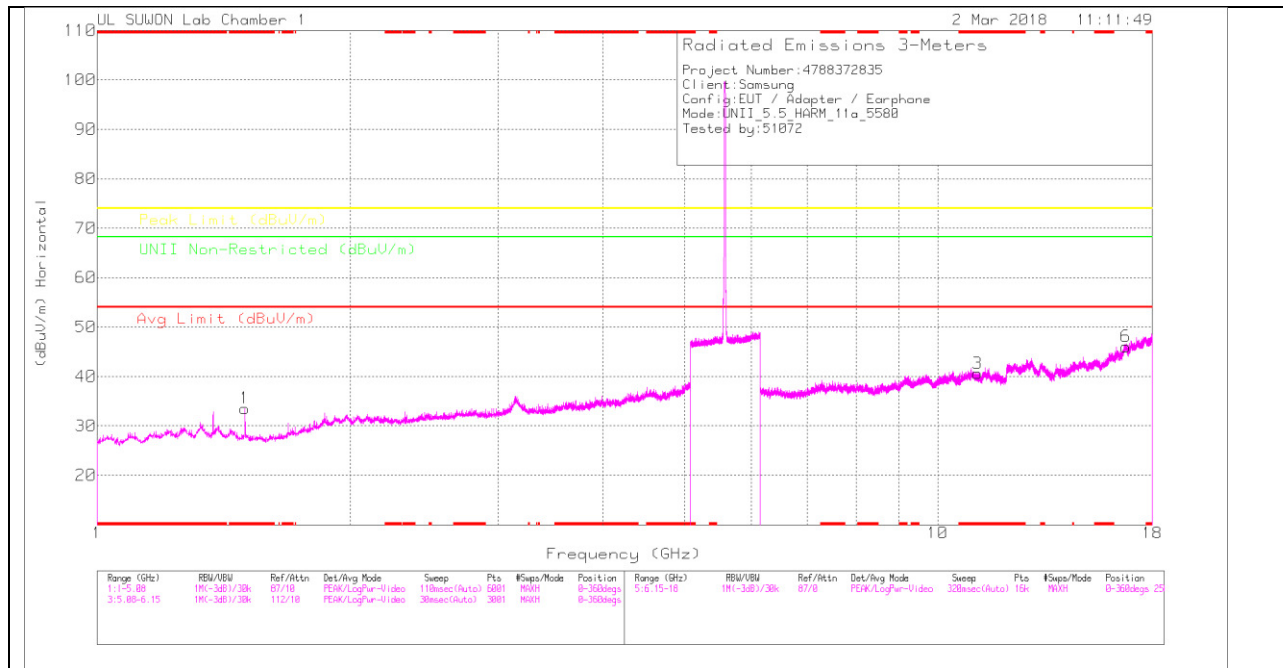
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Peak - Detector

Radiated Emissions

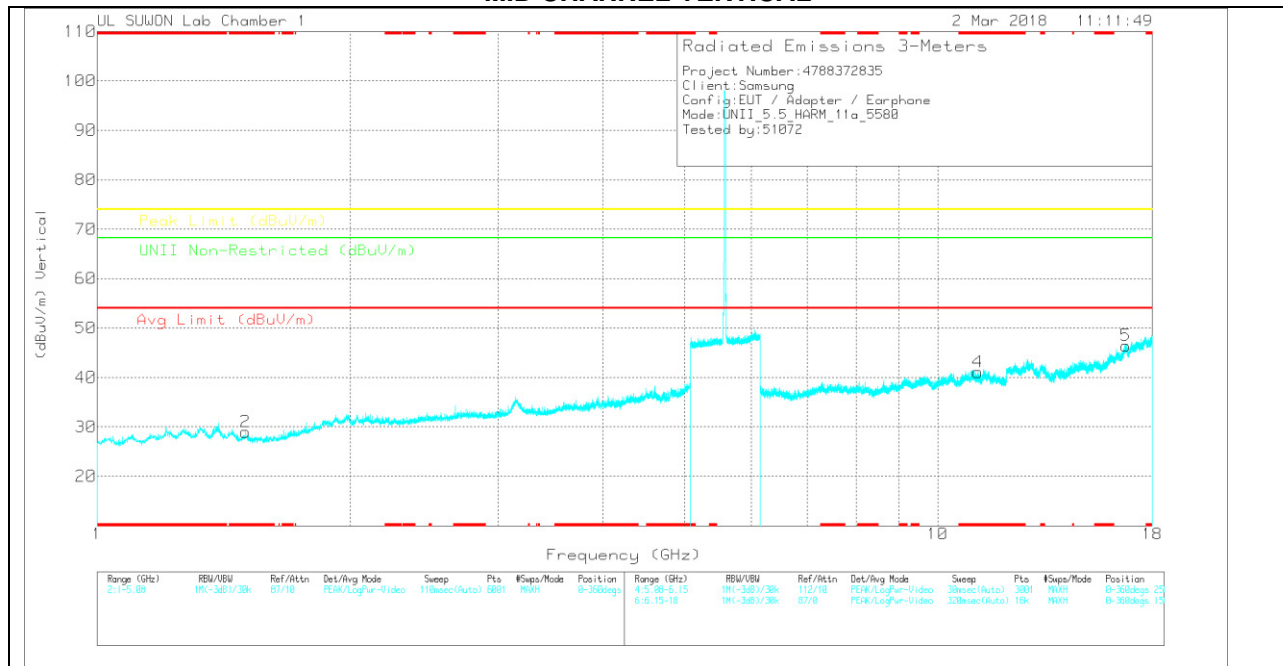
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 1.499	49.98	PK-U	28.3	-36.6	0	41.68	-	-	74	-32.32	-	-	358	294	H
* 1.5	35.68	ADR	28.3	-36.6	0	27.38	54	-26.62	-	-	-	-	358	294	H
* 1.5	52.39	PK-U	28.3	-36.6	0	44.09	-	-	74	-29.91	-	-	8	301	V
* 1.5	37.14	ADR	28.3	-36.6	0	28.84	54	-25.16	-	-	-	-	8	301	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-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	20170531_3117_001 68717	5GHz_LP(BB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 1.499	41.85	Avg	28.3	-36.6	0	33.55	-	-	74	-40.45	-	-	0-360	150	H
2	* 1.502	37.29	Avg	28.3	-36.6	0	28.99	-	-	74	-45.01	-	-	0-360	149	V
3	* 11.159	25.38	Avg	37.9	-22.7	0	40.58	-	-	74	-33.42	-	-	0-360	250	H
6	16.742	23.33	Avg	40.9	-18.2	0	46.03	-	-	-	-	68.2	-22.17	0-360	250	H
4	* 11.162	25.87	Avg	37.9	-22.7	0	41.07	-	-	74	-32.93	-	-	0-360	250	V
5	16.742	23.71	Avg	40.9	-18.2	0	46.41	-	-	-	-	68.2	-21.79	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

Radiated Emissions

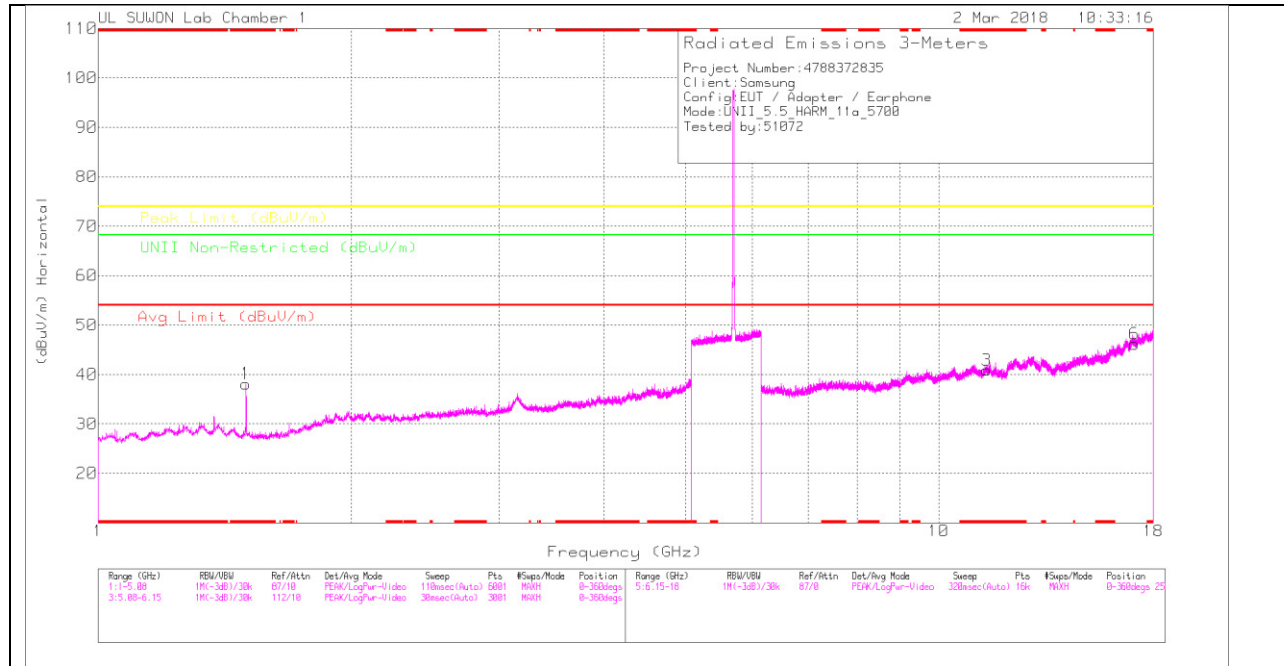
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00148 717	5GHz_LP(BB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U/NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 1.5	51.69	PK-U	28.3	-36.6	0	43.39	-	-	74	-30.61	-	-	307	132	H
* 1.503	35.17	ADR	28.3	-36.6	0	26.87	54	-27.13	-	-	-	-	307	132	H
* 1.5	49.38	PK-U	28.3	-36.6	0	41.08	-	-	74	-32.92	-	-	50	350	V
* 1.5	35.95	ADR	28.3	-36.6	0	27.65	54	-26.35	-	-	-	-	50	350	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

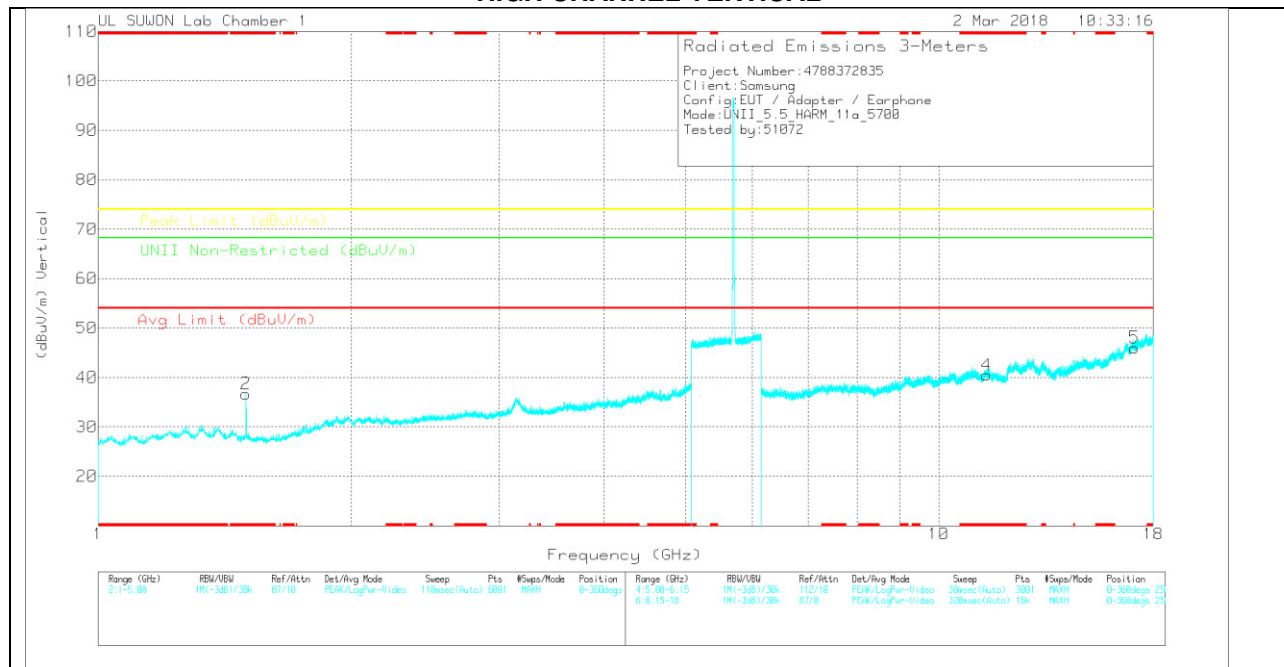
PK-U - U-NII: Maximum Peak

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	20170531_3117_001 68717	5GHz_LF(08)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U-NII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	*1.499	46.42	PK	28.3	-36.6	0	38.12	-	-	74	-35.88	-	-	0-360	150	H
2	*1.499	45	PK	28.3	-36.6	0	36.7	-	-	74	-37.3	-	-	0-360	250	V
3	*11.401	25.48	PK	38.1	-22.7	0	40.88	-	-	74	-33.12	-	-	0-360	150	H
6	17.099	22.96	PK	41.3	-18.1	0	46.16	-	-	-	-	68.2	-22.04	0-360	150	H
4	*11.401	25.1	PK	38.1	-22.7	0	40.5	-	-	74	-33.5	-	-	0-360	250	V
5	17.1	22.81	PK	41.3	-18.1	0	46.01	-	-	-	-	68.2	-22.19	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

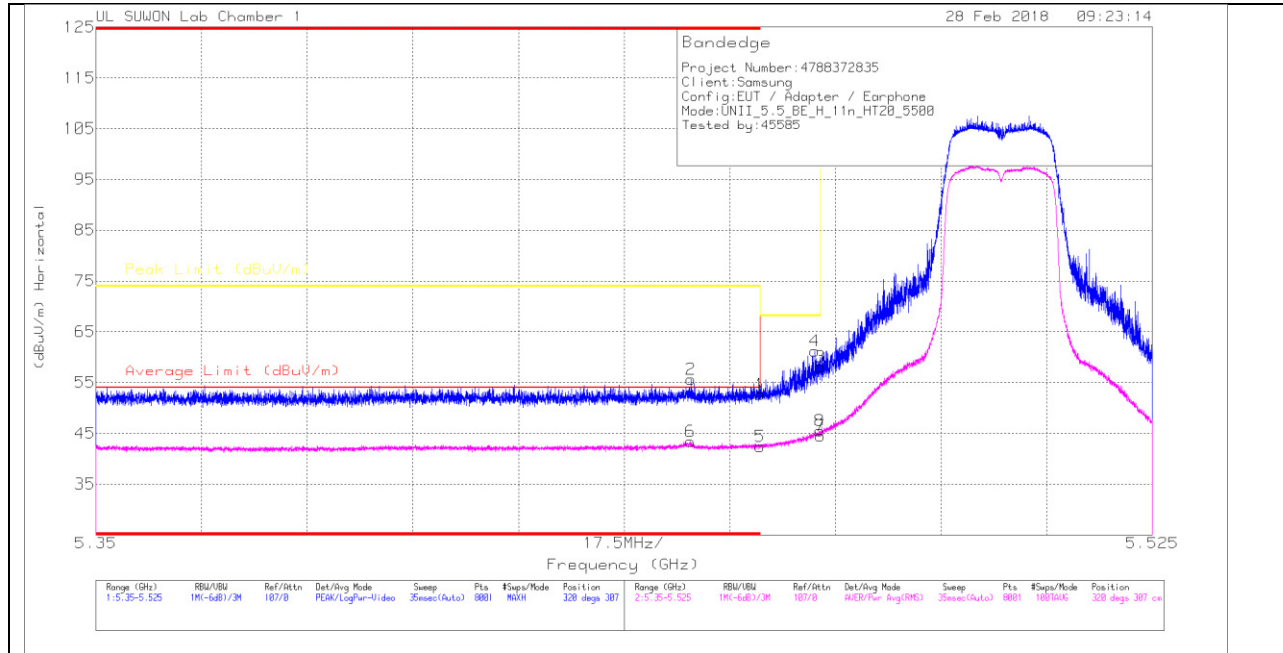
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LF(08)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U-NII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
*1.5	50.21	PK-U	28.3	-36.6	0	41.91	-	-	74	-32.09	-	-	3	142	H
*1.5	35.69	ADR	28.3	-36.6	0	27.39	54	-26.61	-	-	-	-	3	142	H
*1.499	47.45	PK-U	28.3	-36.6	0	39.15	-	-	74	-34.85	-	-	87	388	V
*1.503	35.13	ADR	28.3	-36.6	0	26.83	54	-27.17	-	-	-	-	87	388	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

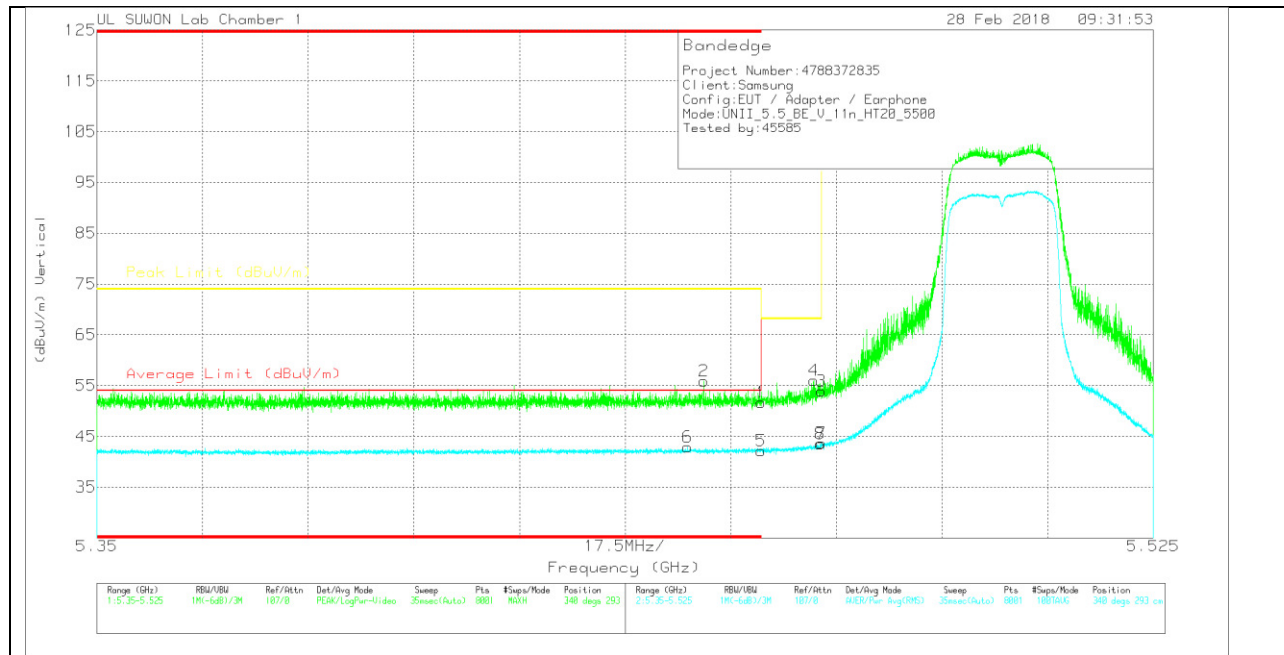
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.46	39.83	Pk		-21.5	0	52.63	-	-	74	-21.37	320	307	H
2	* 5.449	42.81	Pk		-21.5	0	55.61	-	-	74	-18.39	320	307	H
3	5.47	45.34	Pk		-21.5	0	58.14	-	-	68.2	-10.06	320	307	H
4	5.469	48.49	Pk		-21.6	0	61.19	-	-	68.2	-7.01	320	307	H
5	* 5.46	29.66	RMS		-21.5	0	42.46	54	-11.54	-	-	320	307	H
6	* 5.448	30.57	RMS		-21.5	0	43.37	54	-10.63	-	-	320	307	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.46	38.88	Pk	34.3	-21.5	0	51.68	-	-	74	-22.32	340	293	V
2	* 5.451	43.11	Pk	34.3	-21.5	0	55.91	-	-	74	-18.09	340	293	V
3	5.47	41.1	Pk	34.3	-21.5	0	53.9	-	-	68.2	-14.3	340	293	V
4	5.469	43.37	Pk	34.3	-21.6	0	56.07	-	-	68.2	-12.13	340	293	V
5	* 5.46	29.42	RMS	34.3	-21.5	0	42.22	54	-11.78	-	-	340	293	V
6	* 5.448	30.14	RMS	34.3	-21.5	0	42.94	54	-11.06	-	-	340	293	V

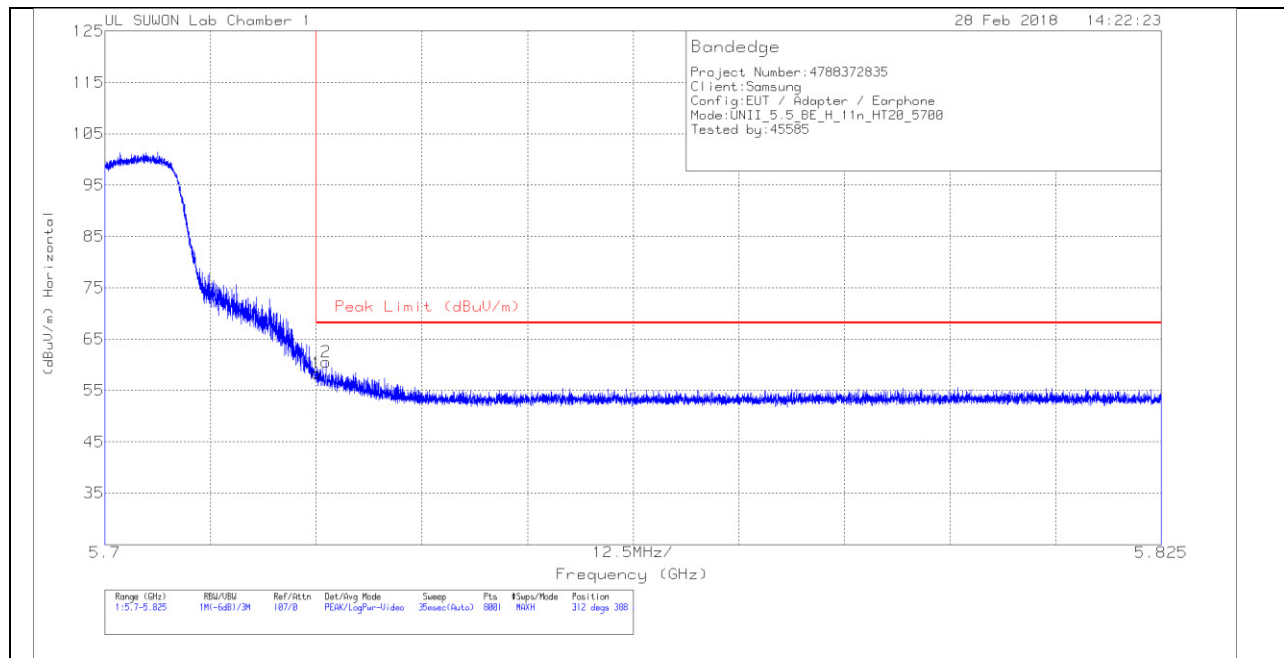
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



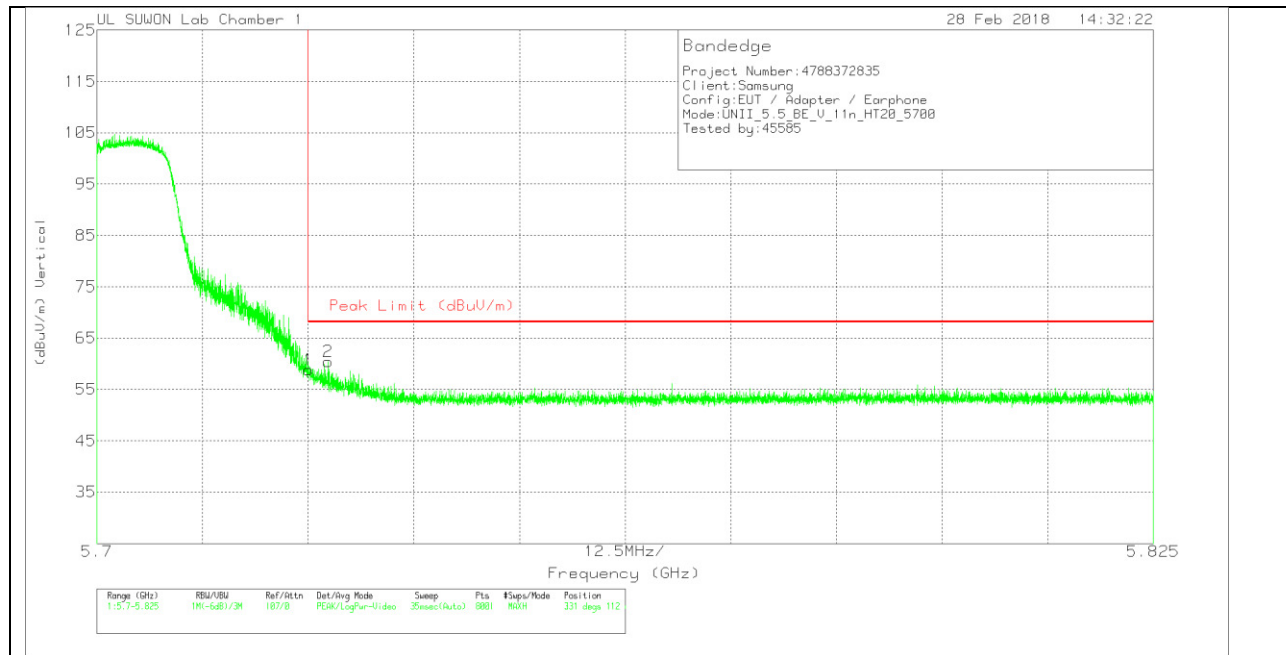
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_0 0168717	10dB_ATT(dB)_17 0809	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.15	Pk	34.4	-21.2	0	58.35	68.2	-9.85	312	388	H
2	5.726	47.4	Pk	34.4	-21.2	0	60.6	68.2	-7.6	312	388	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

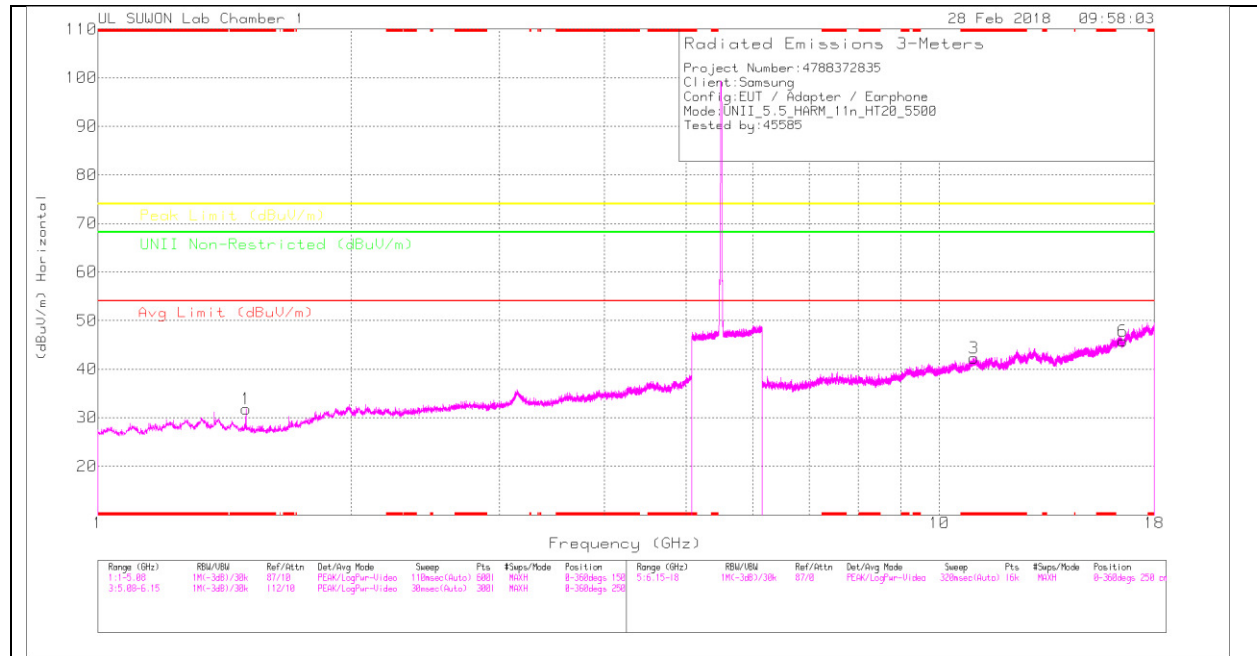
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_0 0168717	10dB_ATT(dB)_17 0809	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	45.68	Pk	34.4	-21.2	0	58.88	68.2	-9.32	331	112	V
2	5.727	47.22	Pk	34.4	-21.2	0	60.42	68.2	-7.78	331	112	V

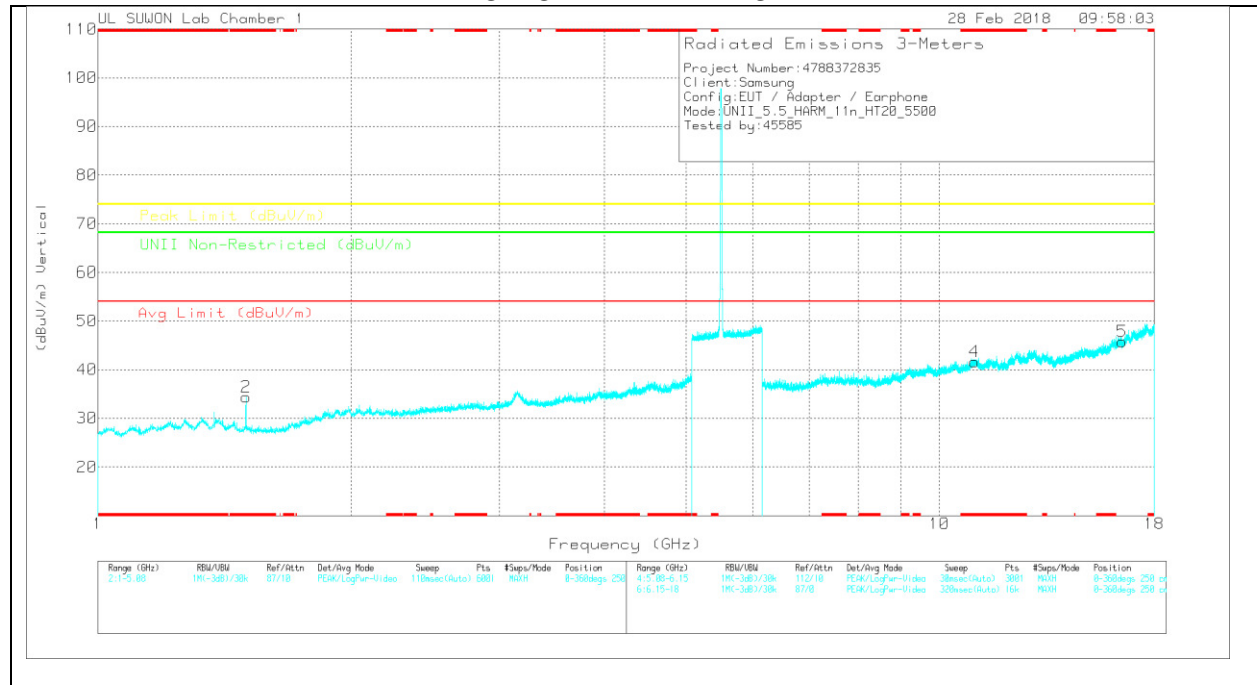
Pk - Peak detector

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	20170531_3117_001 68717	5GHz_LP(08)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U-NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 1.499	40.14	PK	28.3	-36.6	0	31.84	-	-	74	-42.16	-	-	0-360	250	H
2	* 1.499	42.67	PK	28.3	-36.6	0	34.37	-	-	74	-39.63	-	-	0-360	250	V
3	* 10.995	26.29	PK	38	-22	0	42.29	-	-	74	-31.71	-	-	0-360	250	H
6	16.5	25.07	PK	40.7	-20	0	45.77	-	-	-	-	68.2	-22.43	0-360	250	H
4	* 11	25.64	PK	38	-22	0	41.64	-	-	74	-32.36	-	-	0-360	150	V
5	16.497	25.07	PK	40.7	-20	0	45.77	-	-	-	-	68.2	-22.43	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

Radiated Emissions

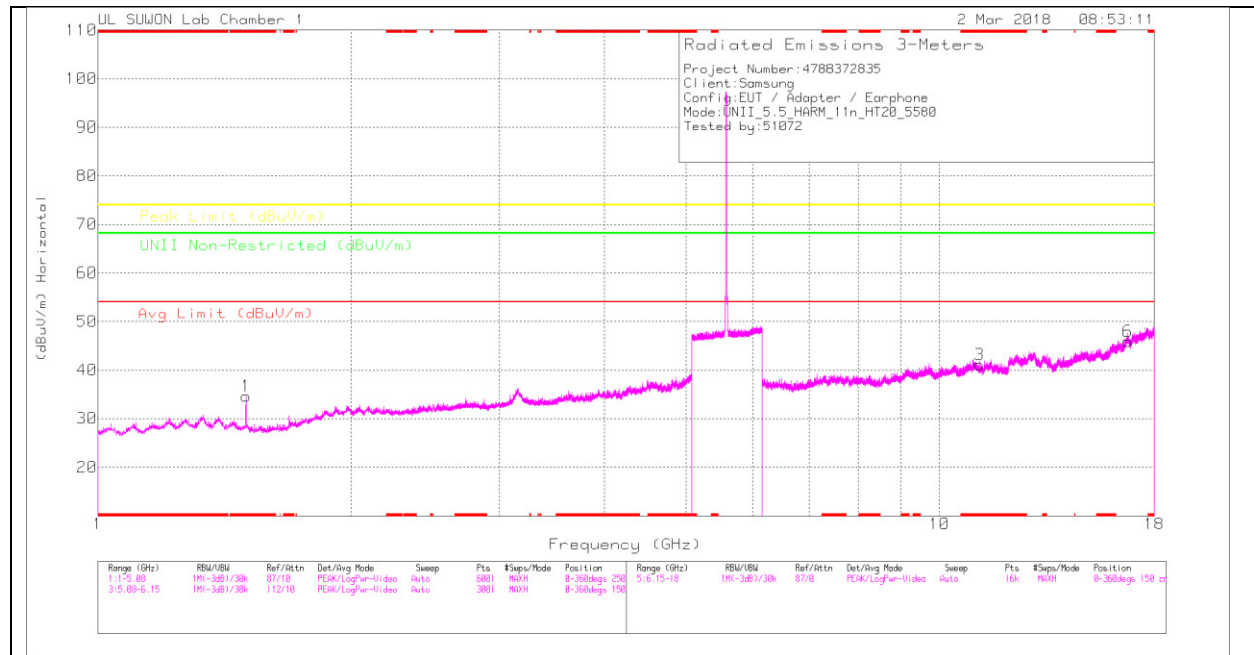
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LP(08)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U-NII Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 1.5	51.93	PK-U	28.3	-36.6	0	43.63	-	-	74	-30.37	-	-	169	106	H
* 1.5	36.39	ADR	28.3	-36.6	0	28.09	54	-25.91	-	-	-	-	169	106	H
* 1.5	50.4	PK-U	28.3	-36.6	0	42.1	-	-	74	-31.9	-	-	139	123	V
* 1.499	35.69	ADR	28.3	-36.6	0	27.39	54	-26.61	-	-	-	-	139	123	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

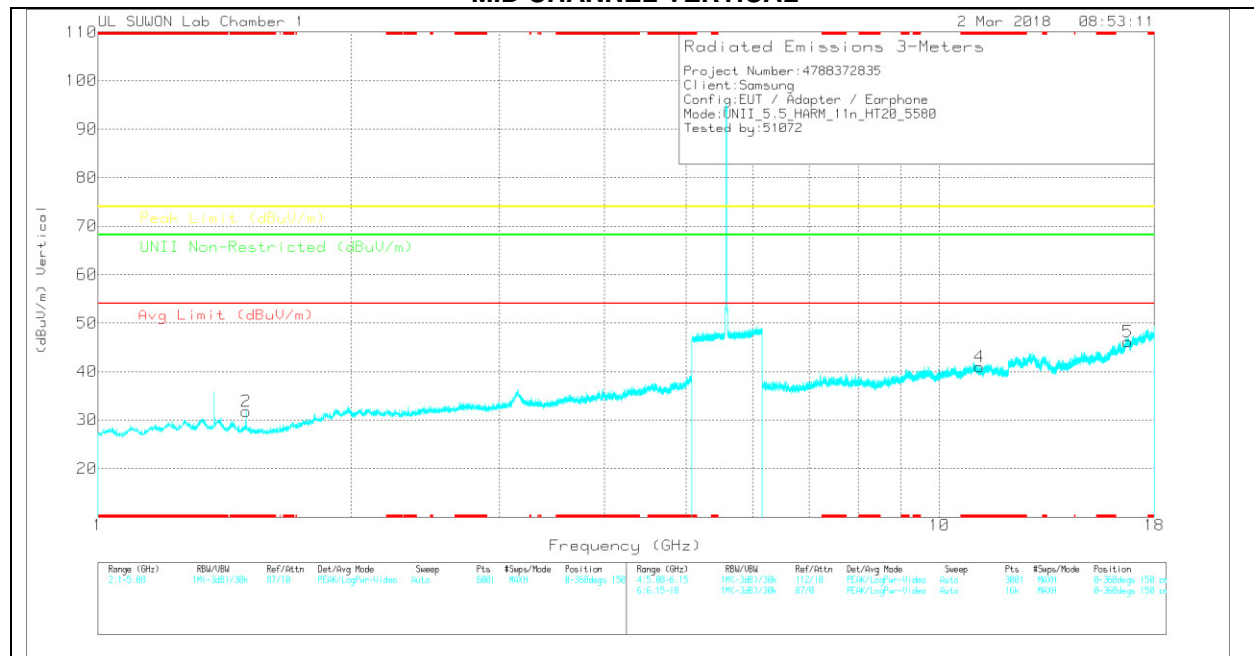
PK-U - U-NII: Maximum Peak

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	20170531_3117_001 (dB)	5GHz_LP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	ULN Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 1.499	42.9	PK	28.3	-36.6	0	34.6	-	-	74	-39.4	-	-	0-360	150	H
2	* 1.5	40.1	PK	28.3	-36.6	0	31.8	-	-	74	-42.2	-	-	0-360	150	V
3	* 11.159	25.87	PK	37.9	-22.7	0	41.07	-	-	74	-32.93	-	-	0-360	250	H
6	16.74	23.03	PK	40.9	-18.1	0	45.83	-	-	-	-	68.2	-22.37	0-360	250	H
4	* 11.16	25.76	PK	37.9	-22.7	0	40.96	-	-	74	-33.04	-	-	0-360	250	V
5	16.74	23.29	PK	40.9	-18.1	0	46.09	-	-	-	-	68.2	-22.11	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

Radiated Emissions

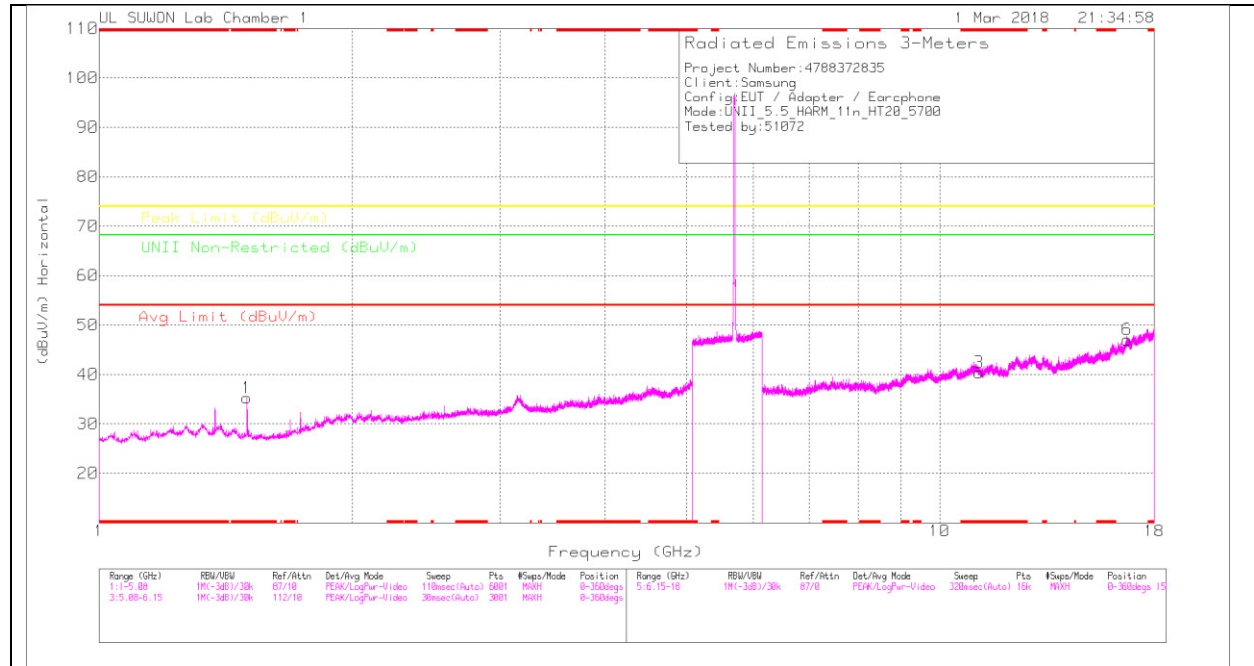
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00165 717	5GHz_LP(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	ULN Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 1.5	51.61	PK-U	28.3	-36.6	0	43.31	-	-	74	-30.69	-	-	20	203	H
* 1.5	35.75	ADR	28.3	-36.6	0	27.45	54	-26.55	-	-	-	-	20	203	H
* 1.5	51.53	PK-U	28.3	-36.6	0	43.23	-	-	74	-30.77	-	-	16	357	V
* 1.5	36.53	ADR	28.3	-36.6	0	28.23	54	-25.77	-	-	-	-	16	357	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

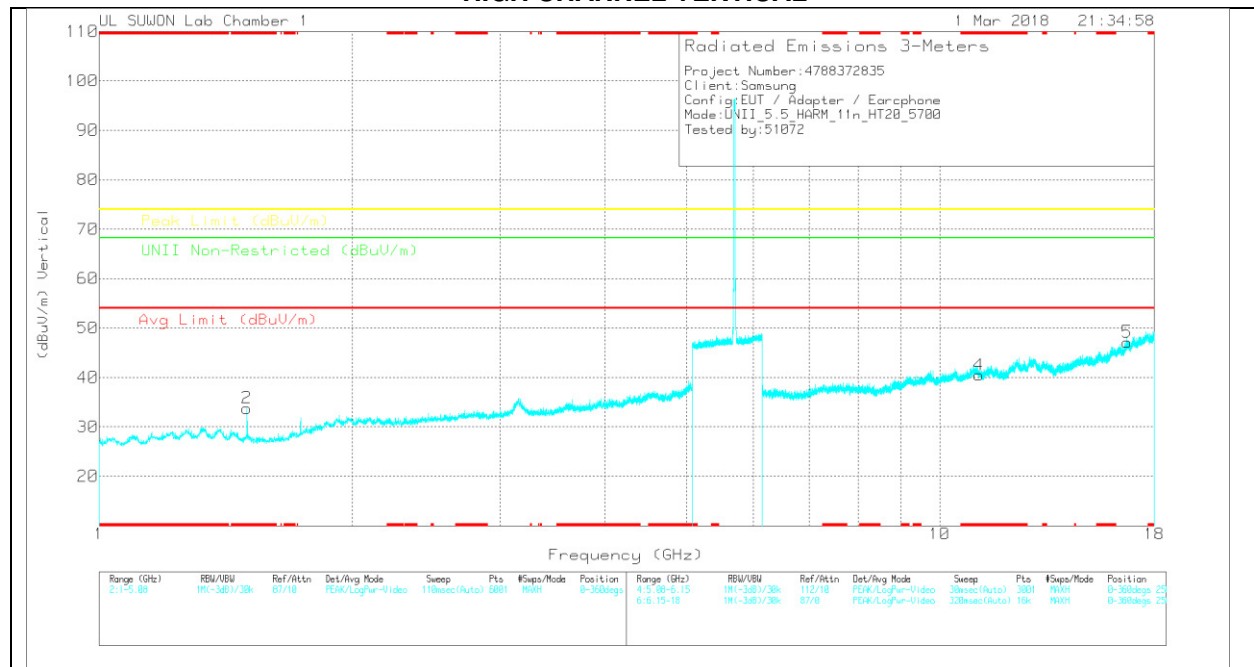
PK-U - U-NII: Maximum Peak

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	20170531_3117_001 68717	5GHz_LF(08)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 1.5	43.57	PK	28.3	-36.6	0	35.27	-	-	74	-38.73	-	-	0-360	250	H
2	* 1.5	42.11	PK	28.3	-36.6	0	33.81	-	-	74	-40.19	-	-	0-360	250	V
3	* 11.141	25.18	PK	37.9	-22.7	0	40.38	-	-	74	-33.62	-	-	0-360	150	H
6	16.71	24.45	PK	41	-18.4	0	47.05	-	-	-	-	68.2	-21.15	0-360	150	H
4	* 11.141	25.26	PK	37.9	-22.7	0	40.46	-	-	74	-33.54	-	-	0-360	250	V
5	16.71	24.53	PK	41	-18.4	0	47.13	-	-	-	-	68.2	-21.07	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

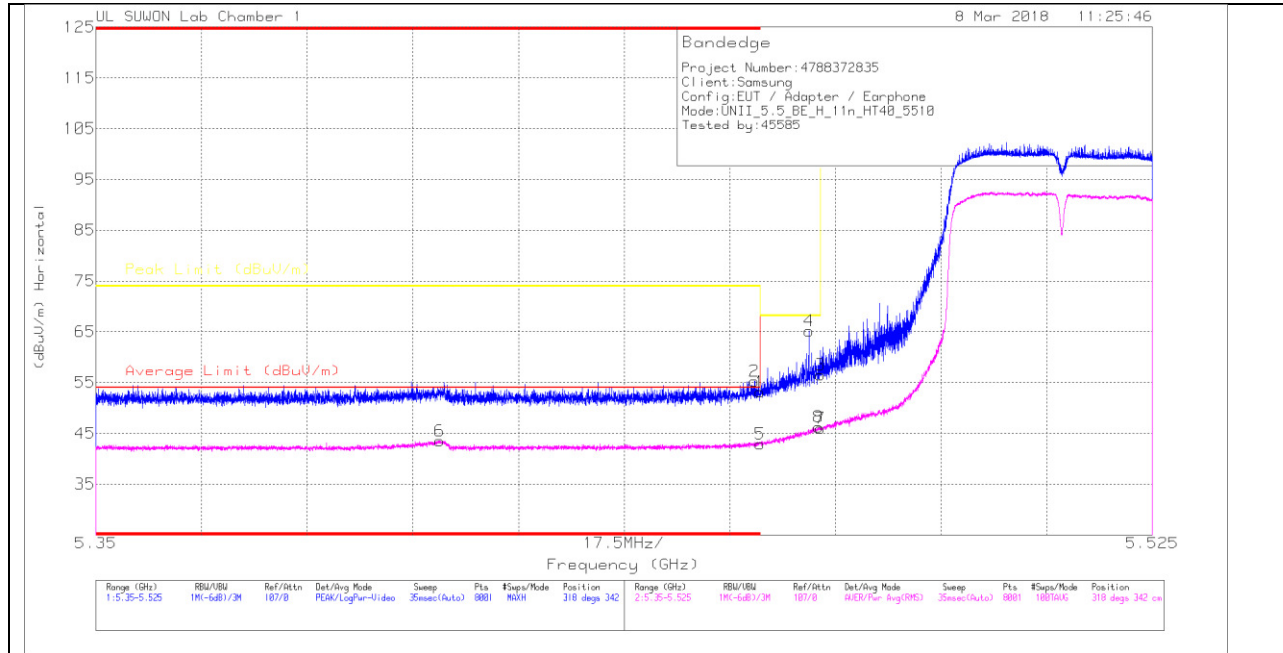
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LF(08)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 1.5	48.98	PK-U	28.3	-36.6	0	40.68	-	-	74	-33.32	-	-	199	117	H
* 1.5	35.54	ADR	28.3	-36.6	0	27.24	54	-26.76	-	-	-	-	199	117	H
* 1.5	49.94	PK-U	28.3	-36.6	0	41.64	-	-	74	-32.36	-	-	110	247	V
* 1.503	35.16	ADR	28.3	-36.6	0	26.86	54	-27.14	-	-	-	-	110	247	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

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

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

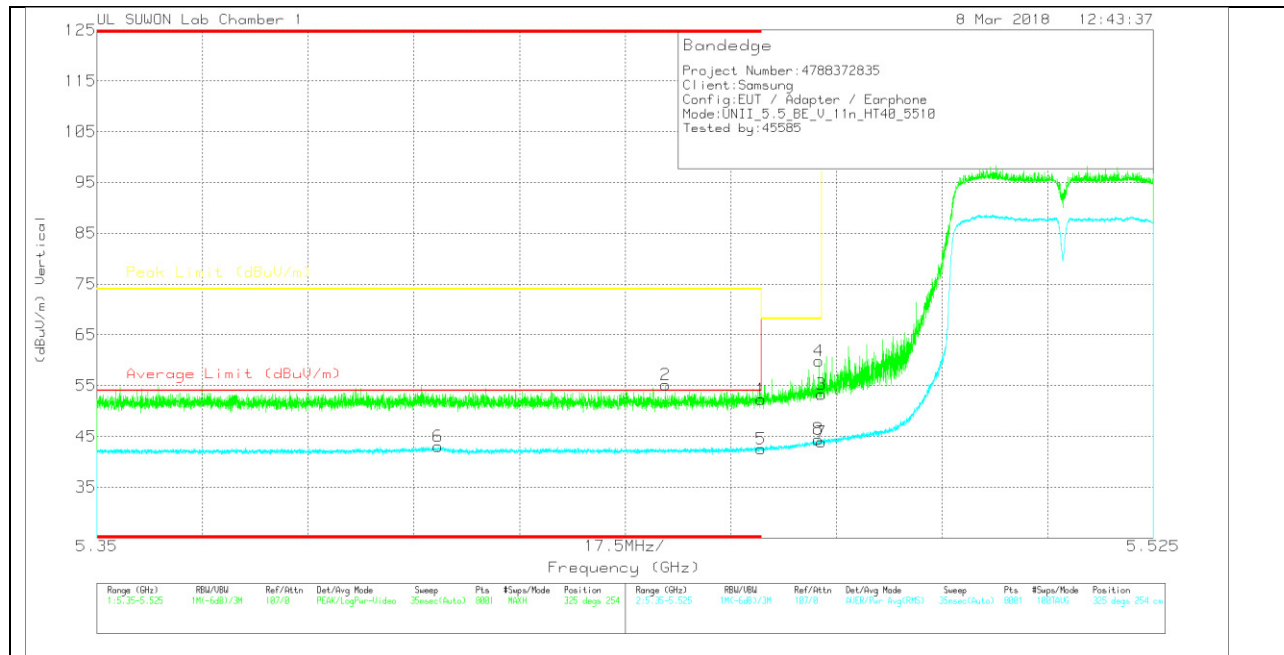
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.46	40.35	Pk		-21.5	0	53.15	-	-	74	-20.85	318	342	H
2	* 5.459	42.58	Pk		-21.6	0	55.28	-	-	74	-18.72	318	342	H
3	5.47	43.66	Pk		-21.5	0	56.46	-	-	68.2	-11.74	318	342	H
4	5.468	52.44	Pk		-21.6	0	65.14	-	-	68.2	-3.06	318	342	H
5	* 5.46	29.98	RMS		-21.5	-18	42.96	54	-11.04	-	-	318	342	H
6	* 5.407	30.78	RMS		-21.6	-18	43.56	54	-10.44	-	-	318	342	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	10dB_ATT(dB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.46	39.45	Pk	34.3	-21.5	0	52.25	-	-	74	-21.75	325	254	V
2	* 5.444	42.47	Pk	34.3	-21.6	0	55.17	-	-	74	-18.83	325	254	V
3	5.47	40.51	Pk	34.3	-21.5	0	53.31	-	-	68.2	-14.89	325	254	V
4	5.47	47.02	Pk	34.3	-21.5	0	59.82	-	-	68.2	-8.38	325	254	V
5	* 5.46	29.59	RMS	34.3	-21.5	.18	42.57	54	-11.43	-	-	325	254	V
6	* 5.407	30.3	RMS	34.2	-21.6	.18	43.08	54	-10.92	-	-	325	254	V

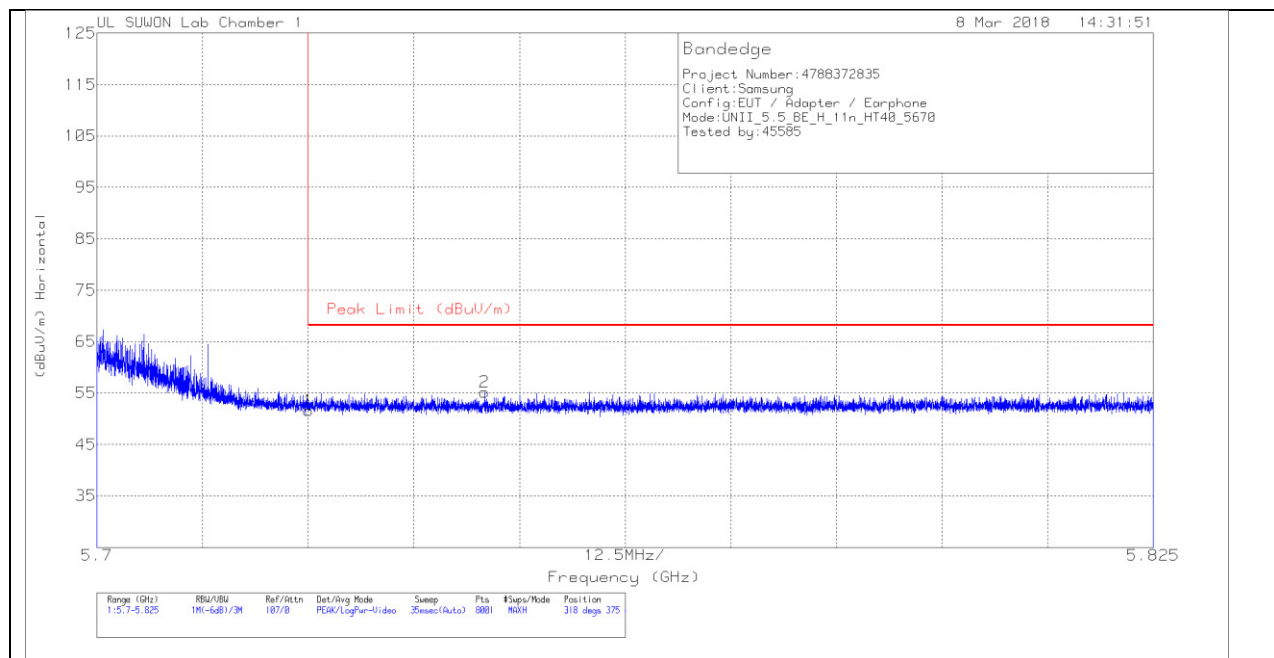
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



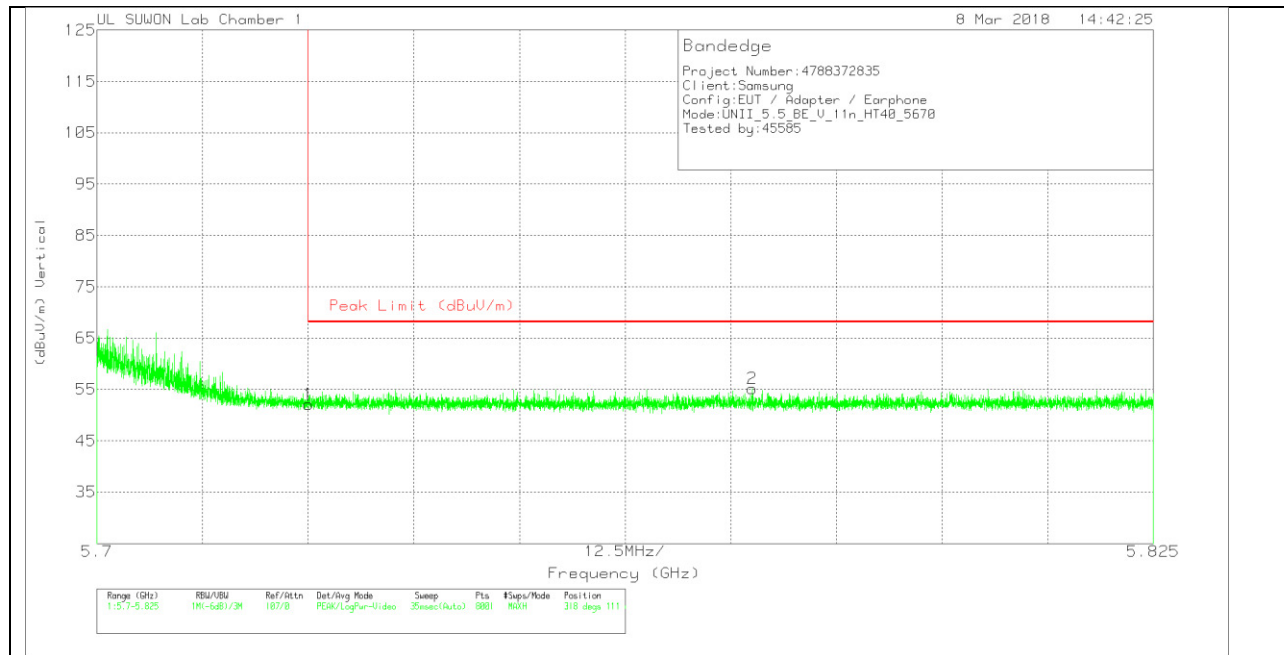
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_311 7_00168717	10dB_ATT(dB) _170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.41	Pk	34.4	-21.2	0	51.61	68.2	-16.59	318	375	H
2	5.746	42.02	Pk	34.4	-21.2	0	55.22	68.2	-12.98	318	375	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

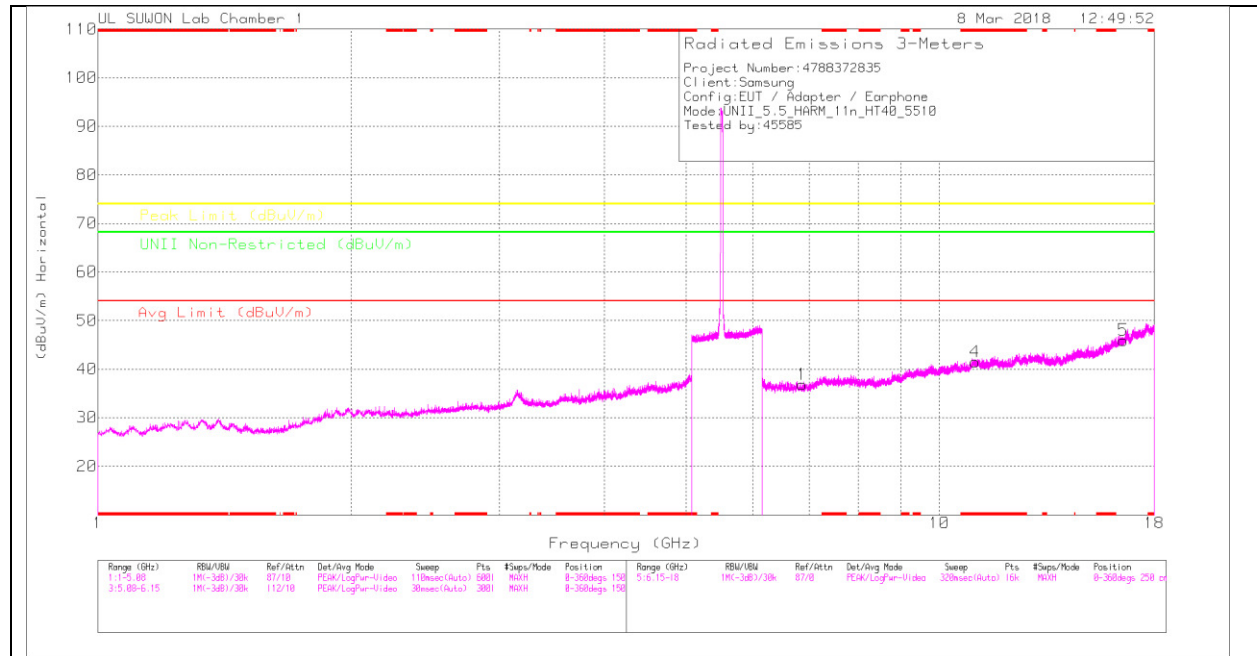
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_0 0168717	10dB_ATT(dB)_17 0809	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	38.89	Pk	34.4	-21.2	0	52.09	68.2	-16.11	318	111	V
2	5.778	41.86	Pk	34.5	-21.2	0	55.16	68.2	-13.04	318	111	V

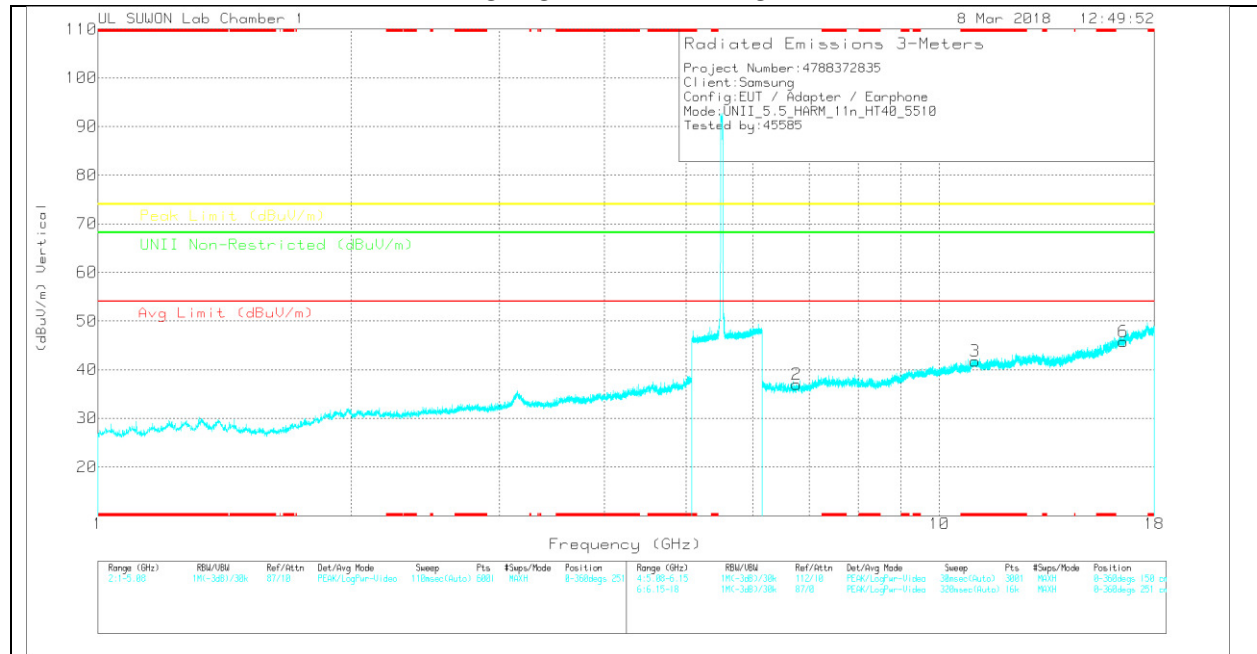
Pk - Peak detector

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

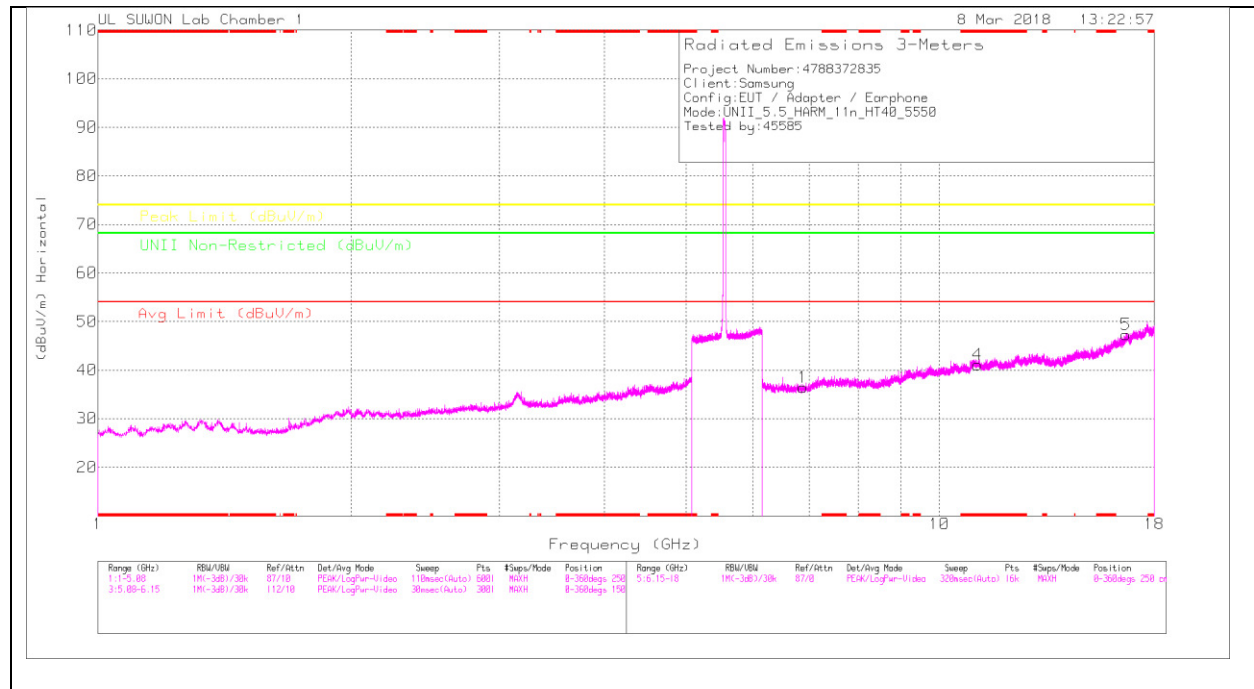
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170511_3117_001 68717	6GHz_HP(dB)_17080 9	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UL01 Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	6.869	29.9	PK	35.4	-28.5	0	36.8	-	-	-	-	68.2	-31.4	0-360	250	H
4	* 11.019	25.52	PK	38	-22	0	41.52	-	-	74	-32.48	-	-	0-360	150	H
5	16.531	25.15	PK	40.7	-19.9	0	45.95	-	-	-	-	68.2	-22.25	0-360	250	H
2	6.762	30.26	PK	35.3	-28.6	0	36.96	-	-	-	-	68.2	-31.24	0-360	251	V
3	* 11.021	25.7	PK	38	-22	0	41.7	-	-	74	-32.3	-	-	0-360	150	V
6	16.53	25.01	PK	40.7	-19.9	0	45.81	-	-	-	-	68.2	-22.39	0-360	251	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

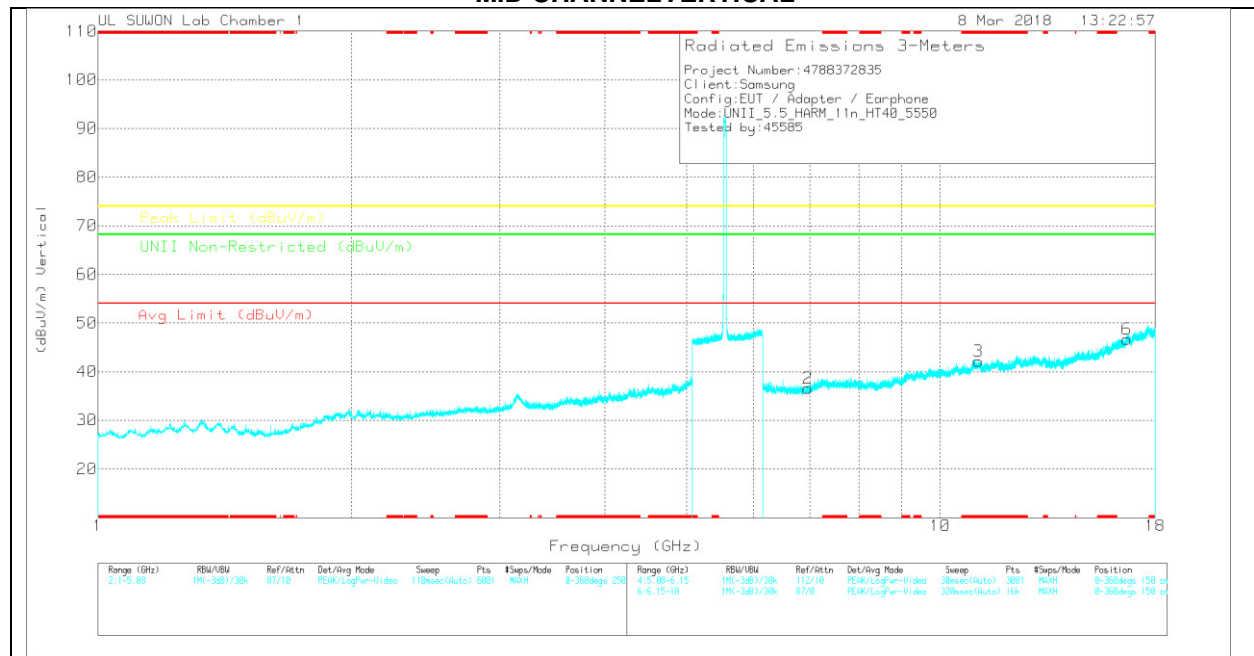
PK – Peak Detector

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

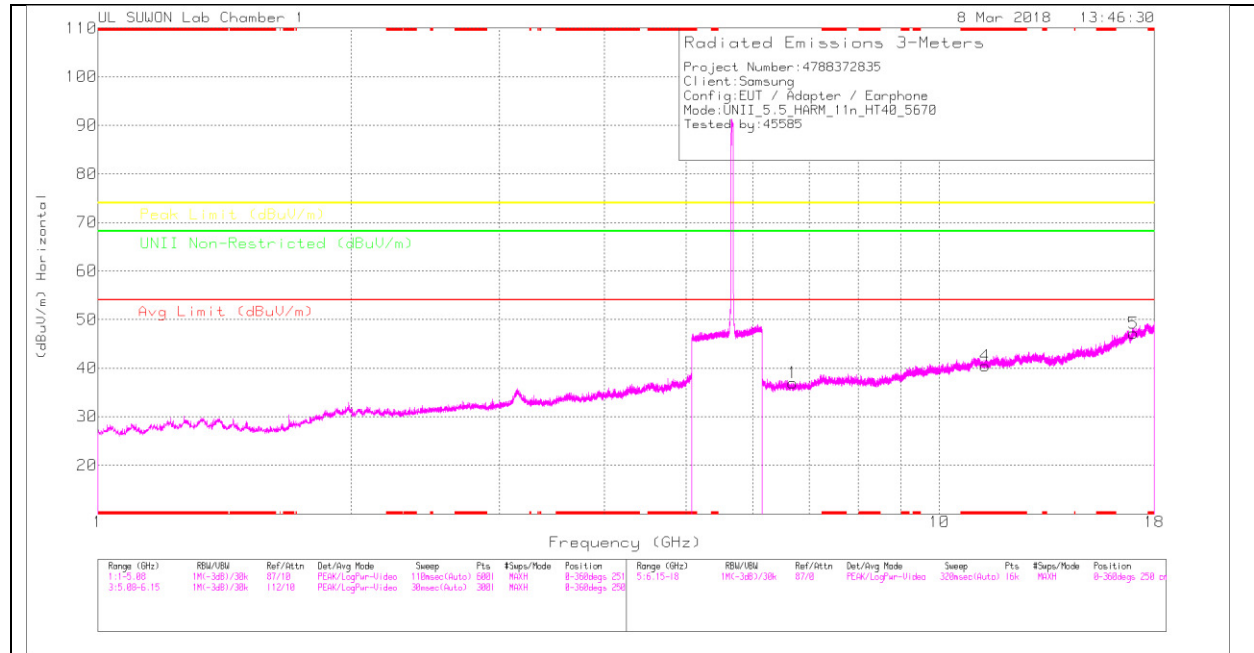
Marker	Frequency (GHz)	Marker Reading (dBuV)	Det	20170511_5117_001 88717	90Hz_HP(dB)_17080 9	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unli Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	6.879	29.49	PK	35.5	-28.6	0	36.39	-	-	-	-	68.2	-31.81	0-360	250	H
4	* 11.101	25.67	PK	38	-22.6	0	41.07	-	-	74	-32.93	-	-	0-360	150	H
5	16.65	25.26	PK	40.9	-18.9	0	47.26	-	-	-	-	68.2	-20.94	0-360	150	H
2	6.967	29.22	PK	35.5	-28.1	0	36.62	-	-	-	-	68.2	-31.58	0-360	250	V
3	* 11.101	26.75	PK	38	-22.6	0	42.15	-	-	74	-31.85	-	-	0-360	250	V
6	16.65	24.68	PK	40.9	-18.9	0	46.68	-	-	-	-	68.2	-21.52	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

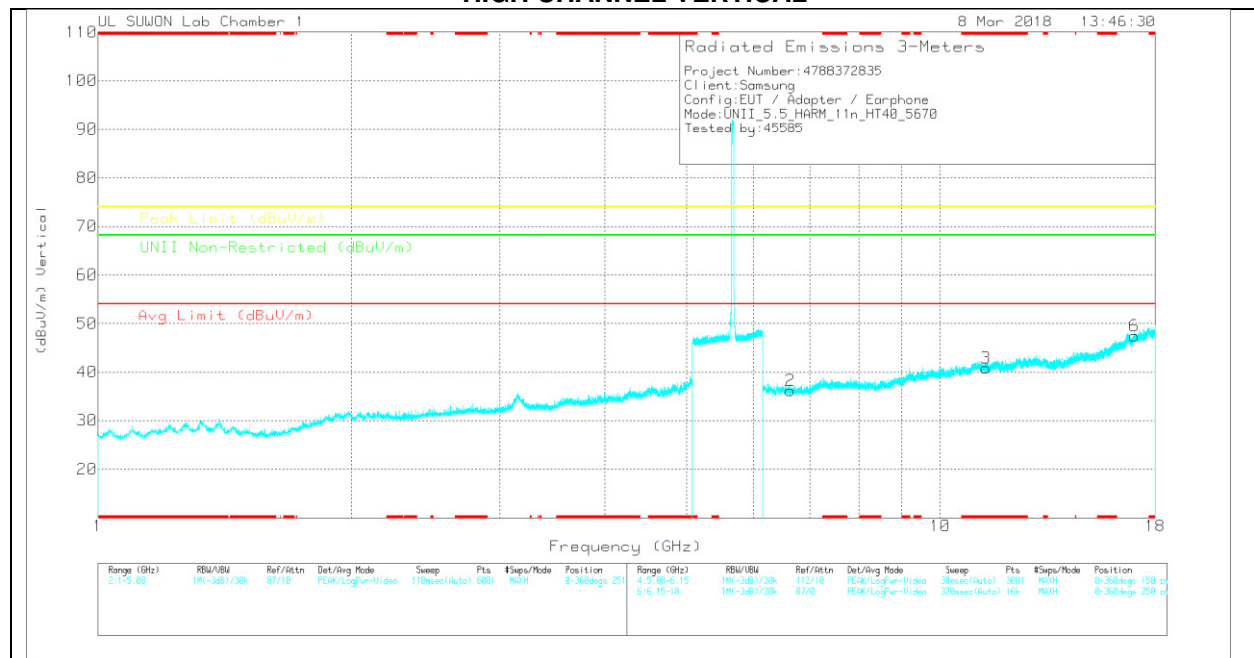
PK – Peak Detector

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	20170531_3117_001 68717	6GHz_HF(dB) 17080 9	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UL01 Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	6.694	30.67	PK	35.2	-28.9	0	36.97	-	-	-	-	68.2	-31.23	0-360	250	H
4	* 11.341	25.03	PK	38	-22.6	0	40.43	-	-	74	-33.57	-	-	0-360	150	H
5	17.011	23.79	PK	41.2	-17.8	0	47.19	-	-	-	-	68.2	-21.01	0-360	150	H
2	6.637	29.61	PK	35.2	-28.6	0	36.21	-	-	-	-	68.2	-31.99	0-360	150	V
3	* 11.341	25.45	PK	38	-22.6	0	40.85	-	-	74	-33.15	-	-	0-360	150	V
6	17.011	24.02	PK	41.2	-17.8	0	47.42	-	-	-	-	68.2	-20.78	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

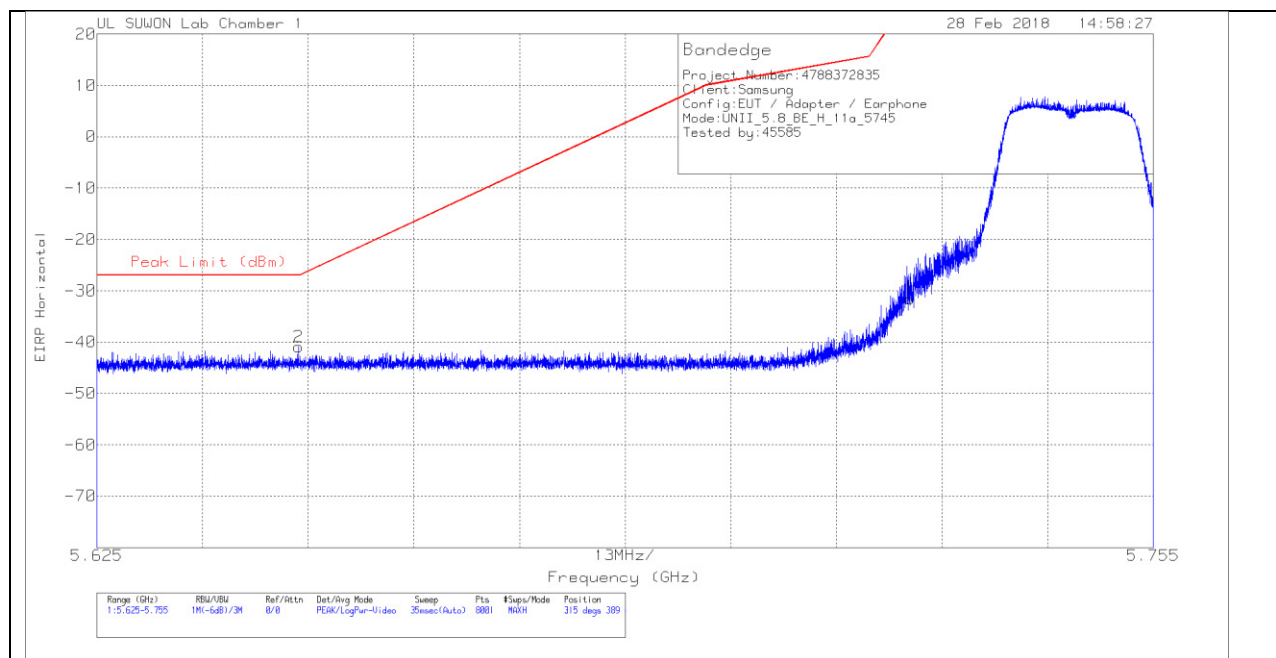
PK – Peak Detector

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 1GHz 802.11a MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT



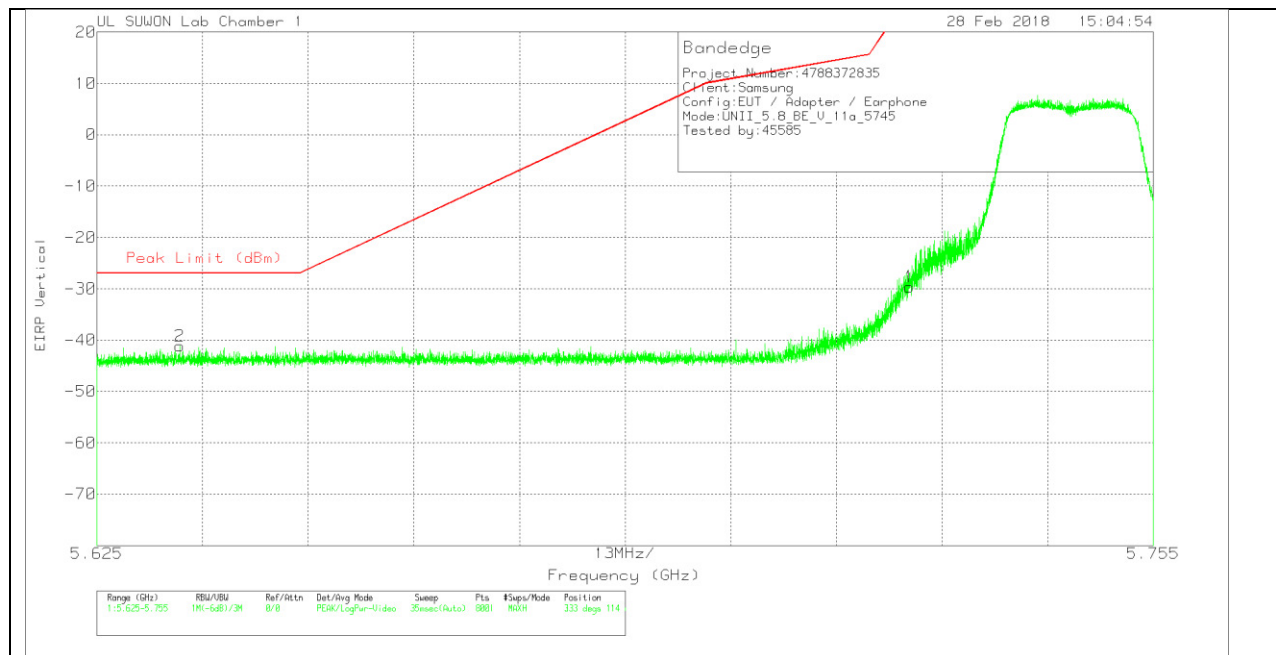
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(00168717)_150619	10dB_Att(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-55.34	Pk	34.8	-22.9	11.8	0	-31.64	26.97	-58.61	315	389	H
2	5.65	-64.48	Pk	34.8	-23	11.8	0	-40.88	-27	-13.88	315	389	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

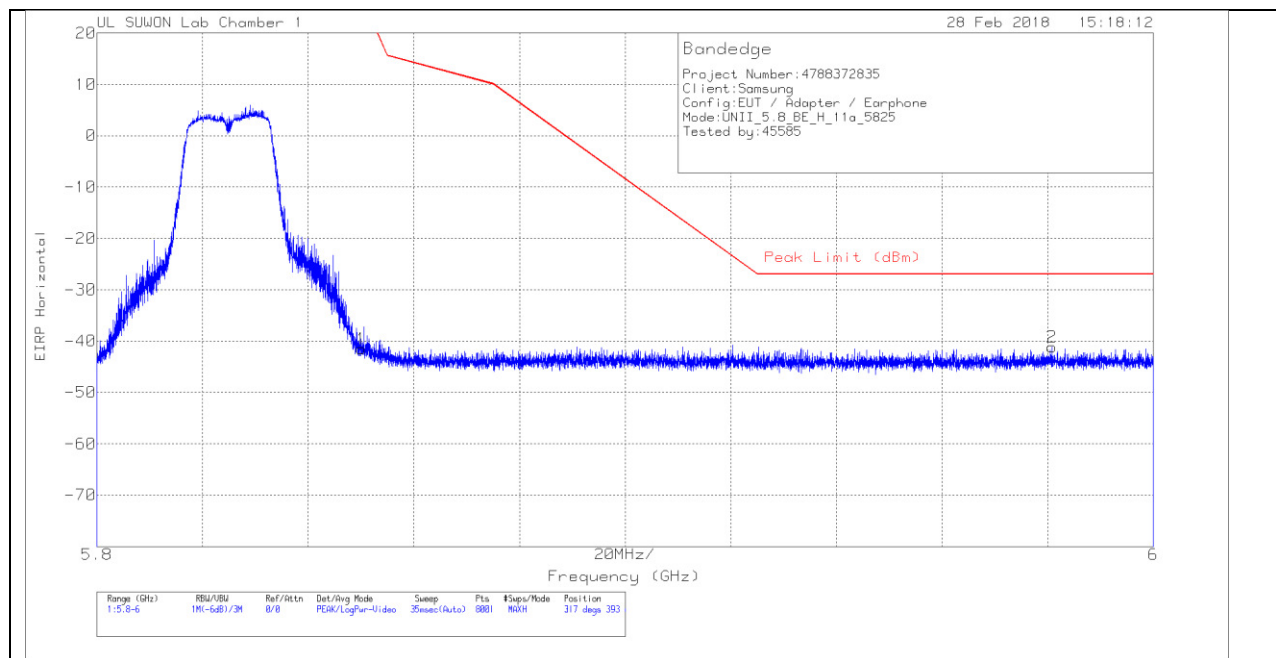
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(00168717)_150619	10dB_Att(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-53.33	Pk	34.8	-22.9	11.8	0	-29.63	26.97	-56.6	333	114	V
2	5.635	-64.73	Pk	34.8	-23	11.8	0	-41.13	-27	-14.13	333	114	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT



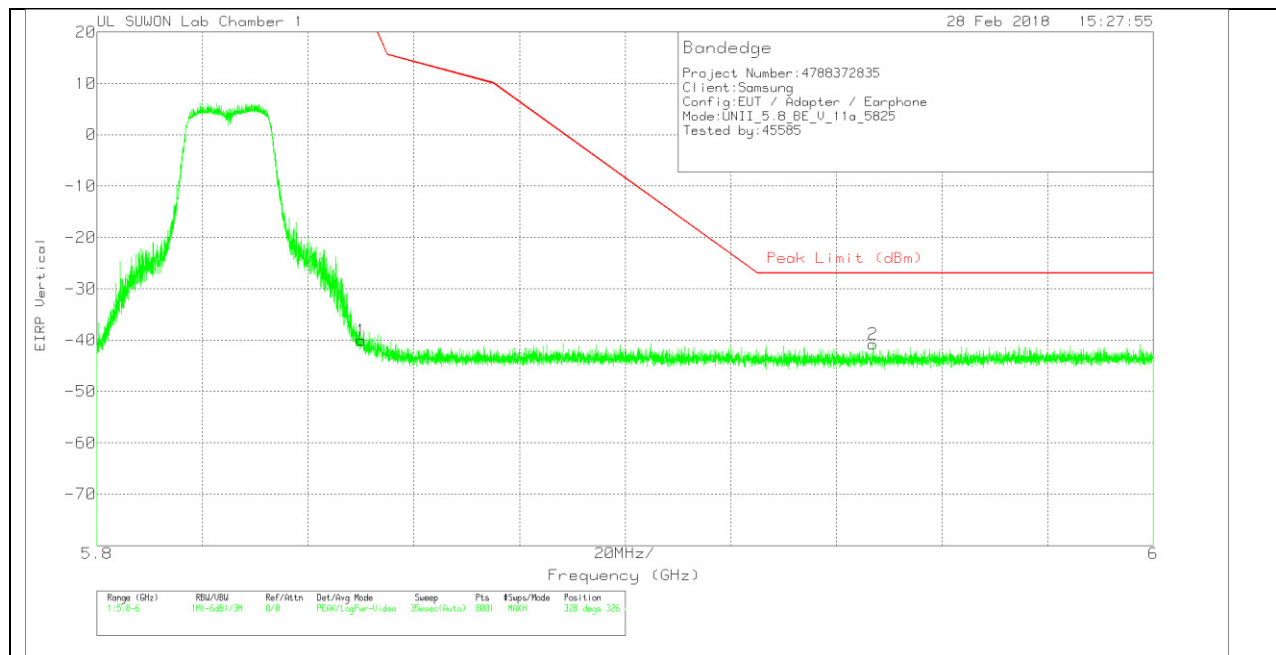
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(00168717)_150619	10dB_Att(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-65.96	Pk	34.9	-22.3	11.8	0	-41.56	26.94	-68.5	317	393	H
2	5.981	-65.61	Pk	34.9	-22.2	11.8	0	-41.11	-27	-14.11	317	393	H

Pk - Peak detector

VERTICAL PEAK PLOT



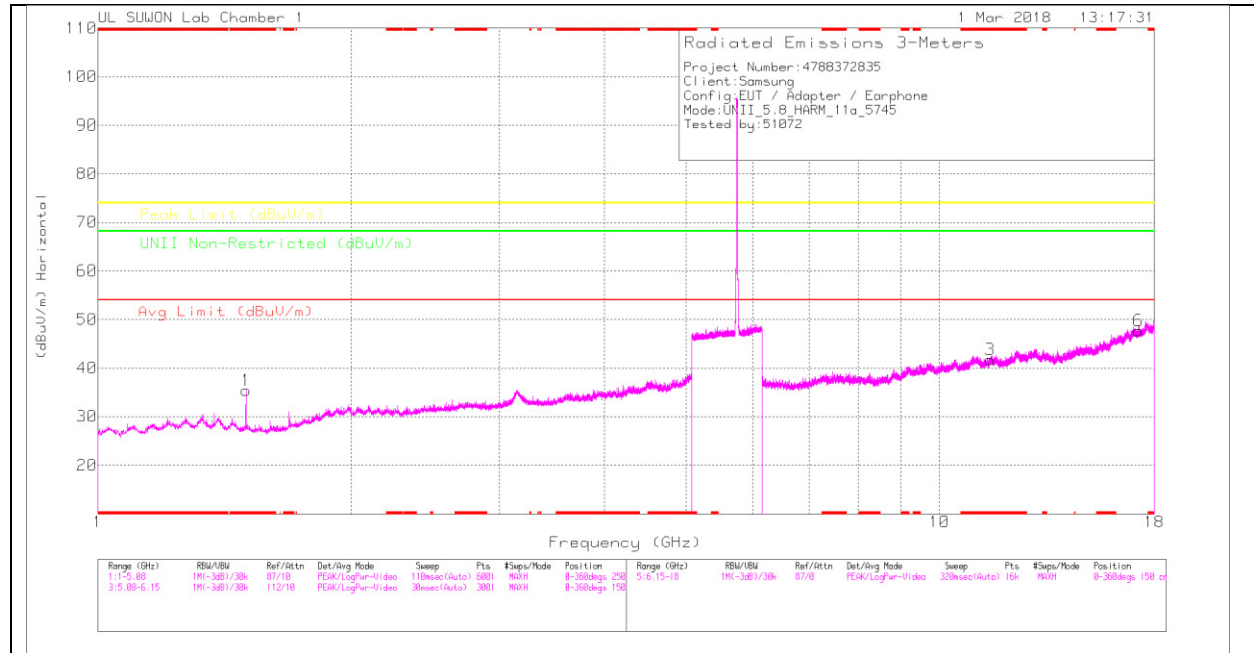
VERTICAL DATA

Trace Markers

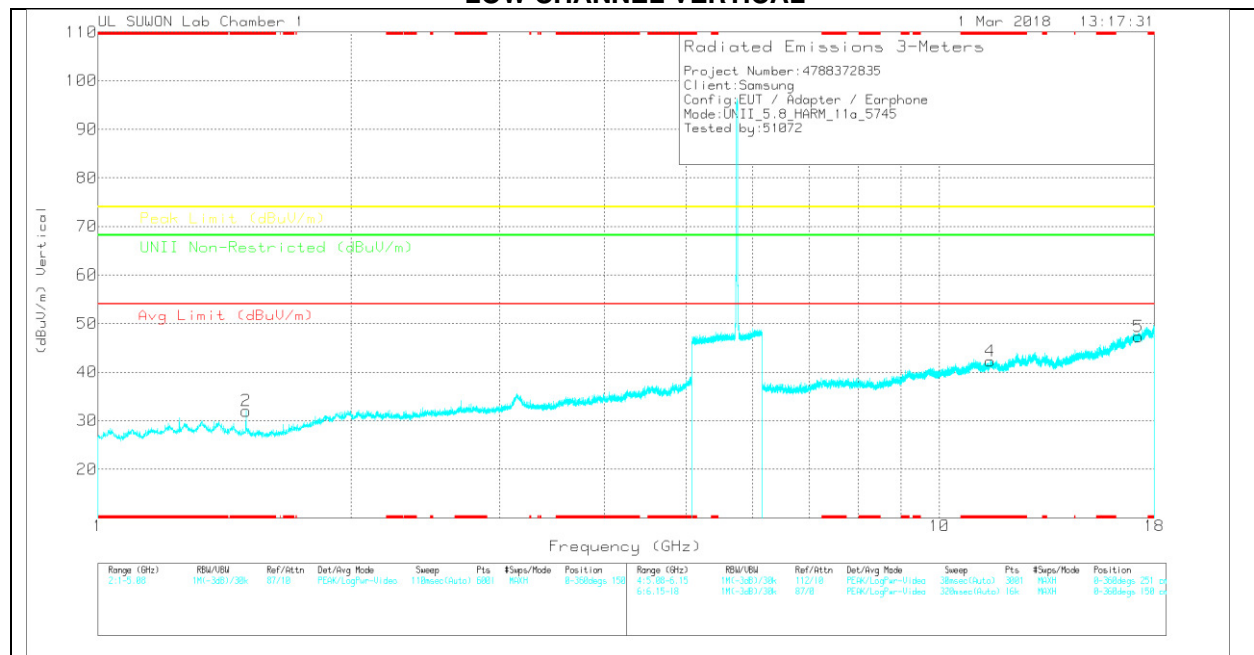
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(00168717)_150619	10dB_Att(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-64.4	Pk	34.9	-22.3	11.8	0	-40	26.94	-66.94	328	326	V
2	5.947	-64.85	Pk	34.9	-22.6	11.8	0	-40.75	-27	-13.75	328	326	V

Pk - Peak detector

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	20170531_3117_001 68717	5GHz_LP(08)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U-NII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 1.5	43.72	PK	28.3	-36.6	0	35.42	-	-	74	-38.58	-	-	0-360	250	H
2	* 1.5	40.29	PK	28.3	-36.6	0	31.99	-	-	74	-42.01	-	-	0-360	250	V
3	* 11.491	26.31	PK	38.2	-22.8	0	41.71	-	-	74	-32.29	-	-	0-360	250	H
6	17.237	24.23	PK	41.6	-18.1	0	47.73	-	-	-	-	68.2	-20.47	0-360	250	H
4	* 11.491	26.89	PK	38.2	-22.8	0	42.29	-	-	74	-31.71	-	-	0-360	150	V
5	17.236	23.77	PK	41.6	-18.1	0	47.27	-	-	-	-	68.2	-20.93	0-360	250	V

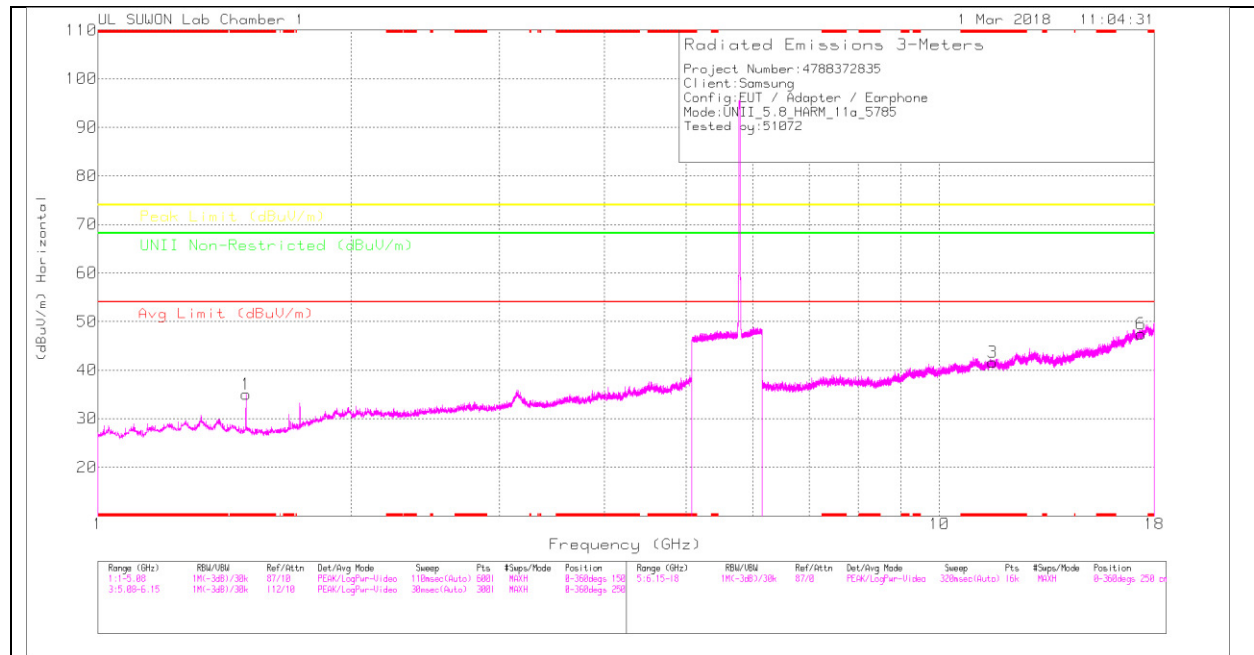
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

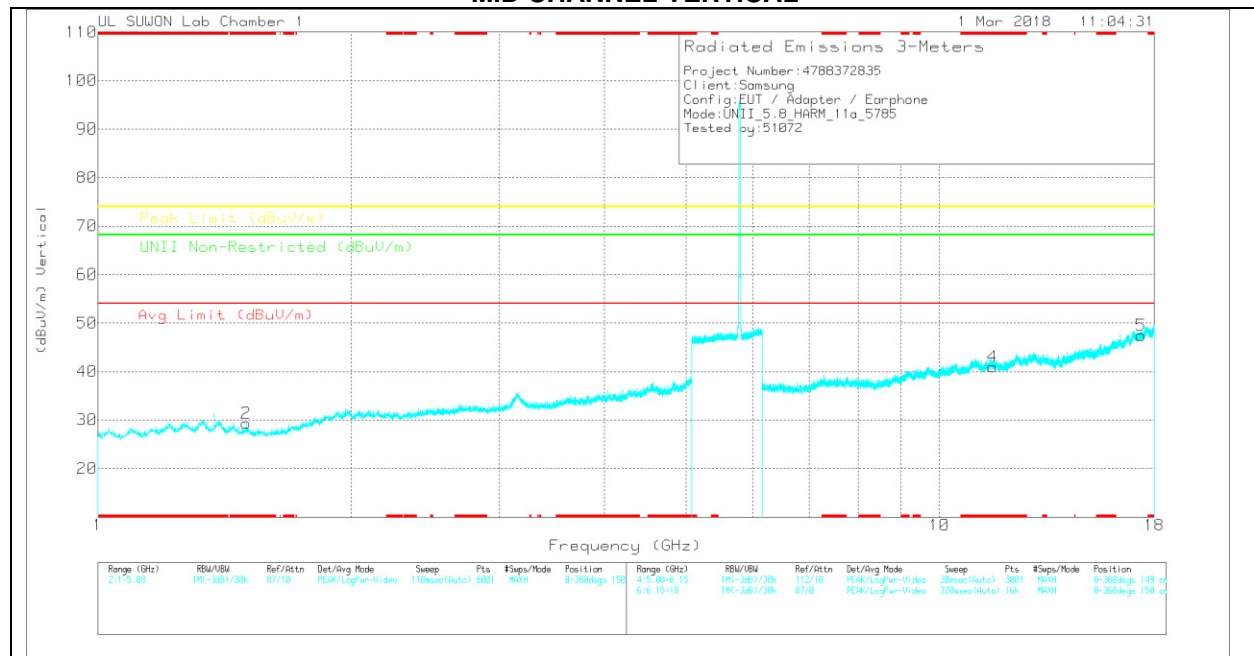
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LP(08)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	U-NII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
* 1.5	38.1	PK-U	28.3	-36.6	0	29.8	-	-	74	-44.2	-	-	346	327	H
* 1.499	35.17	ADR	28.3	-36.6	0	26.87	54	-27.13	-	-	-	-	346	327	H
* 1.5	47.25	PK-U	28.3	-36.6	0	38.95	-	-	74	-35.05	-	-	53	202	V
* 1.5	34.96	ADR	28.3	-36.6	0	26.66	54	-27.34	-	-	-	-	53	202	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-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	20170531_3117_001 68717	5GHz_LP(BB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	ULRI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 1.5	43.3	PK	28.3	-36.6	0	35	-	-	74	-39	-	-	0-360	250	H
2	* 1.499	37.63	PK	28.3	-36.6	0	29.33	-	-	74	-44.67	-	-	0-360	150	V
3	* 11.57	26.27	PK	38.2	-22.9	0	41.57	-	-	74	-32.43	-	-	0-360	250	H
6	17.356	24.06	PK	41.4	-18	0	47.46	-	-	-	-	68.2	-20.74	0-360	250	H
4	* 11.57	25.73	PK	38.2	-22.9	0	41.03	-	-	74	-32.97	-	-	0-360	250	V
5	17.356	24.02	PK	41.4	-18	0	47.42	-	-	-	-	68.2	-20.78	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

Radiated Emissions

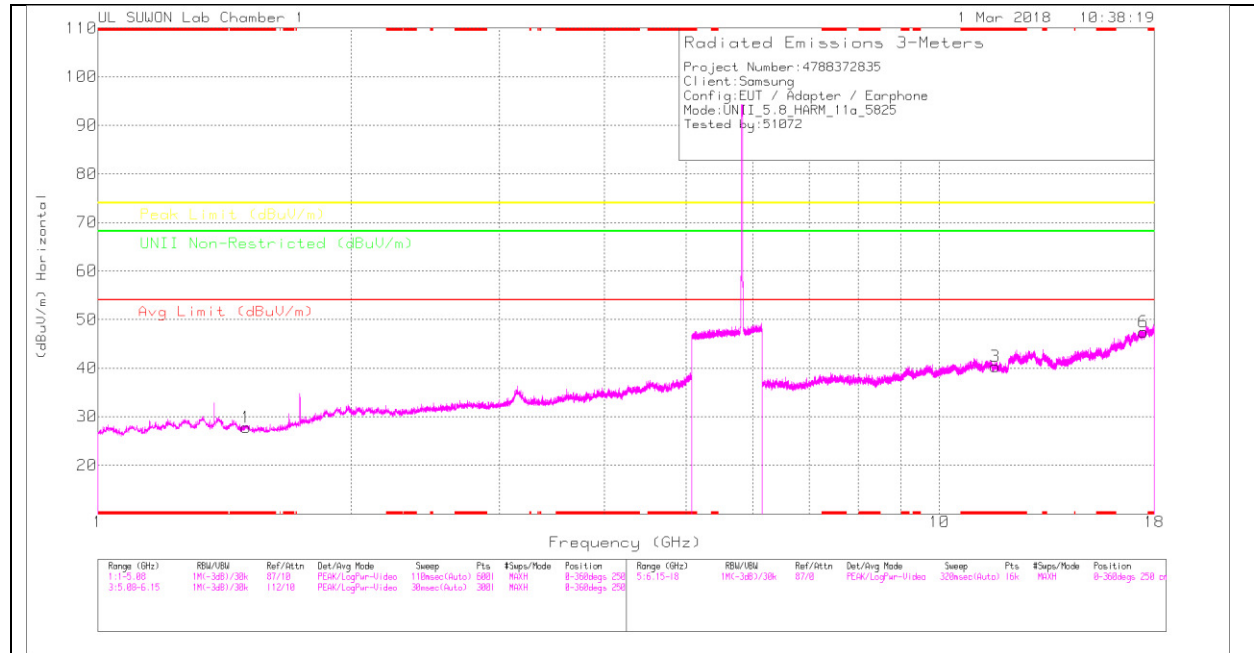
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00148 717	5GHz_LP(BB)_170809	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	ULRI Non-Restricted (dBuV/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 1.5	50.2	PK-U	28.3	-36.6	0	41.9	-	-	74	-32.1	-	-	31	392	H
* 1.5	35.49	ADR	28.3	-36.6	0	27.19	54	-26.81	-	-	-	-	31	392	H
* 1.5	49.49	PK-U	28.3	-36.6	0	41.19	-	-	74	-32.81	-	-	284	224	V
* 1.5	35.18	ADR	28.3	-36.6	0	26.88	54	-27.12	-	-	-	-	284	224	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

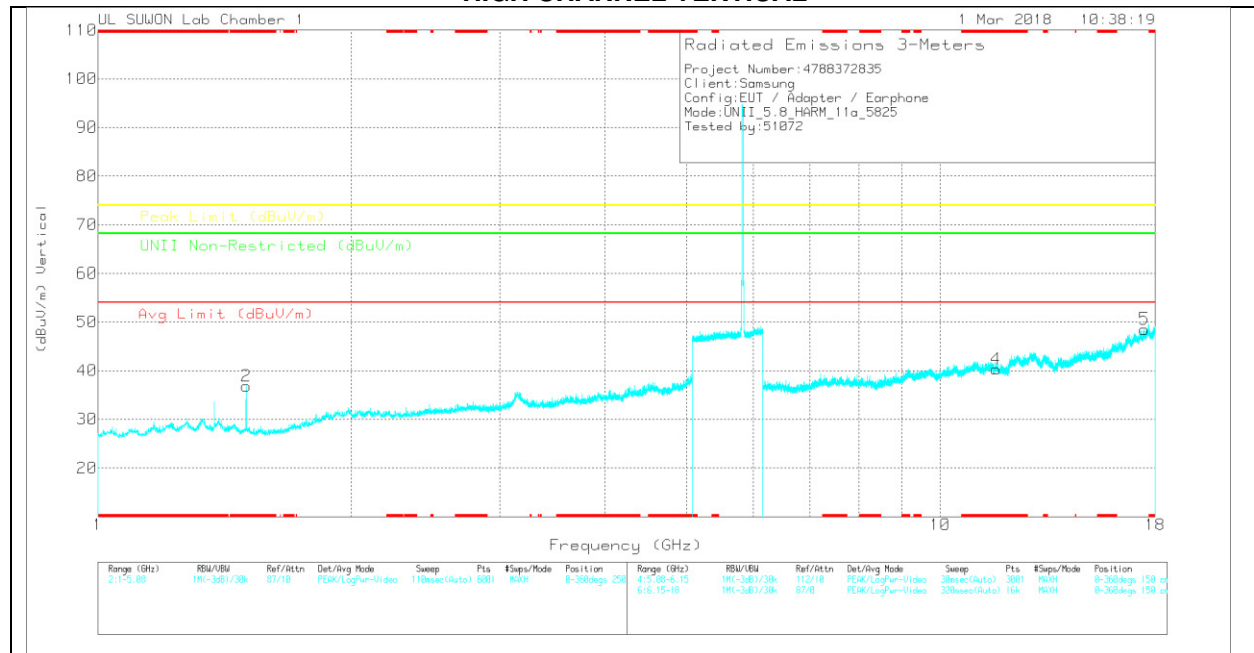
PK-U - U-NII: Maximum Peak

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	20170531_3117_001 68717	5GHz_LF(dB)_170809	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)	Asimuth (Degs)	Height (cm)	Polarity
1	* 1.5	36.06	PK	28.3	-36.6	0	27.76	-	-	74	-46.24	-	-	0-360	150	H
2	* 1.499	45.18	PK	28.3	-36.6	0	36.88	-	-	74	-37.12	-	-	0-360	250	V
3	* 11.651	24.35	PK	38.1	-22.1	0	40.35	-	-	74	-33.65	-	-	0-360	150	H
6	17.476	23.98	PK	41.2	-17.7	0	47.48	-	-	-	-	68.2	-20.72	0-360	150	H
4	* 11.651	24.29	PK	38.1	-22.1	0	40.29	-	-	74	-33.71	-	-	0-360	250	V
5	17.476	25.04	PK	41.2	-17.7	0	48.54	-	-	-	-	68.2	-19.66	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

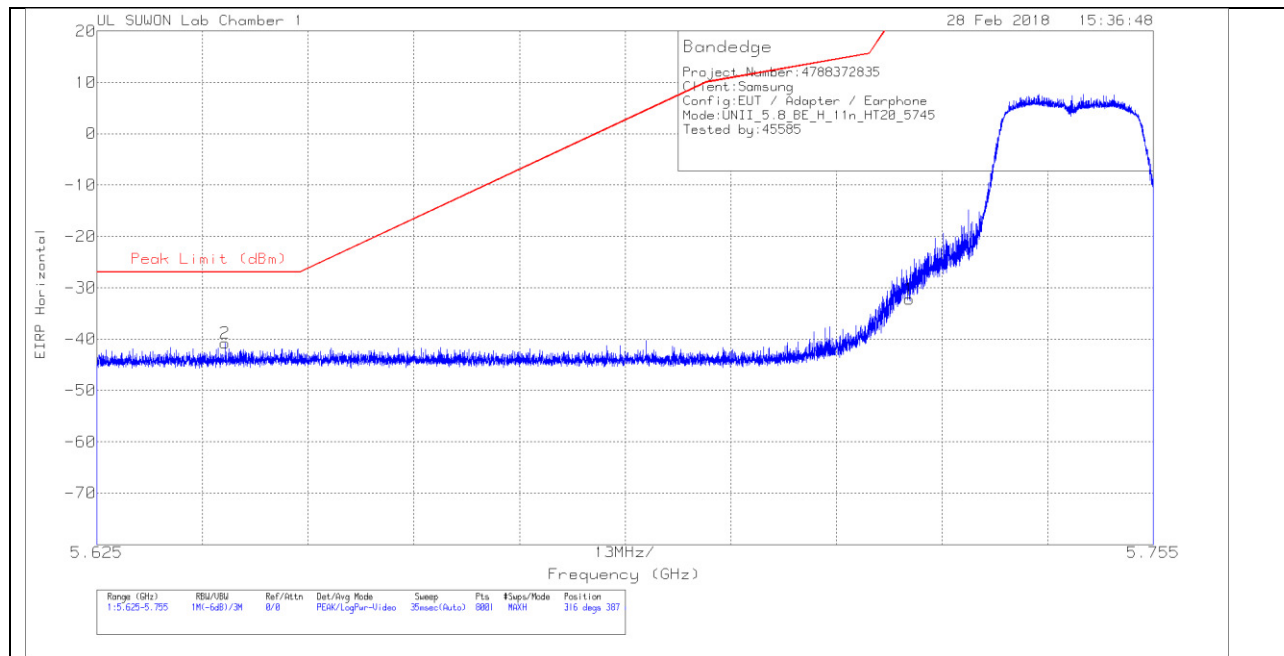
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LF(dB)_170809	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)	Asimuth (Degs)	Height (cm)	Polarity
* 1.5	53.59	PK-U	28.3	-36.6	0	45.29	-	-	74	-28.71	-	-	276	193	H
* 1.5	37.85	ADR	28.3	-36.6	0	29.55	54	-24.45	-	-	-	-	276	193	H
* 1.499	47.91	PK-U	28.3	-36.6	0	39.61	-	-	74	-34.39	-	-	304	389	V
* 1.5	35.05	ADR	28.3	-36.6	0	26.75	54	-27.25	-	-	-	-	304	389	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

11.4.2. TX ABOVE 1GHz 802.11n HT20 MODE IN THE 5.8GHz BAND BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK PLOT



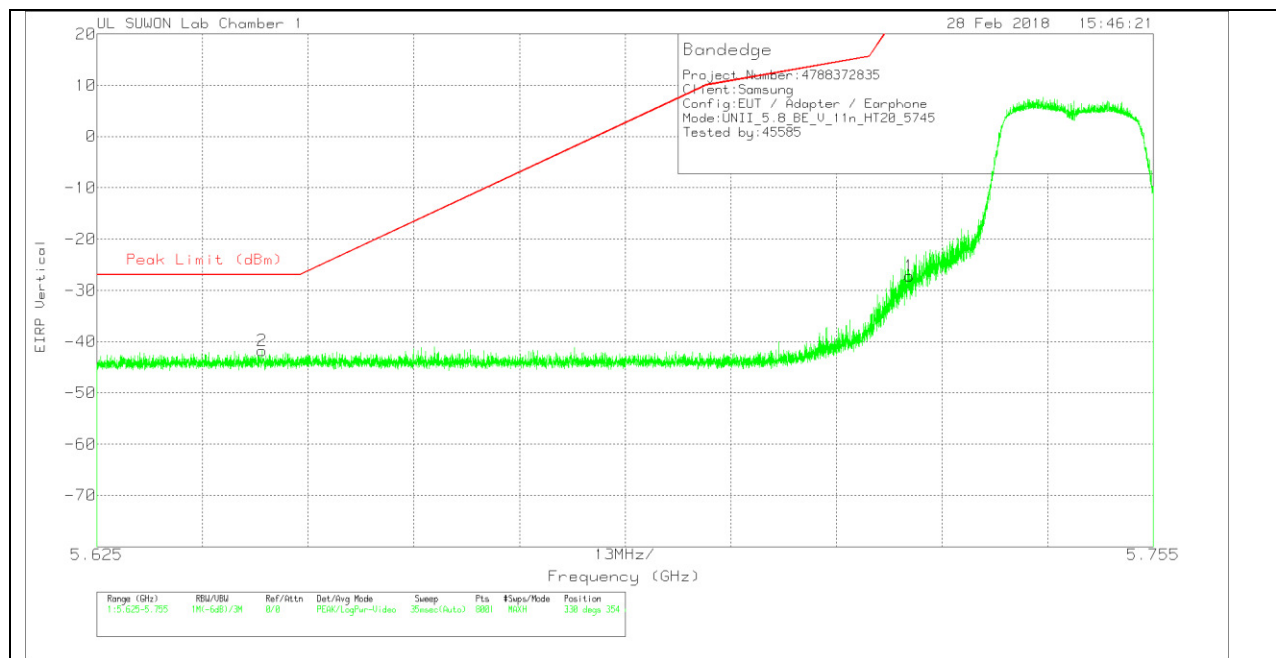
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(00168717)_150619	10dB_Att(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-55.94	Pk	34.8	-22.9	11.8	0	-32.24	26.97	-59.21	316	387	H
2	5.641	-64.33	Pk	34.8	-23.1	11.8	0	-40.83	-27	-13.83	316	387	H

Pk - Peak detector

VERTICAL PEAK PLOT



VERTICAL DATA

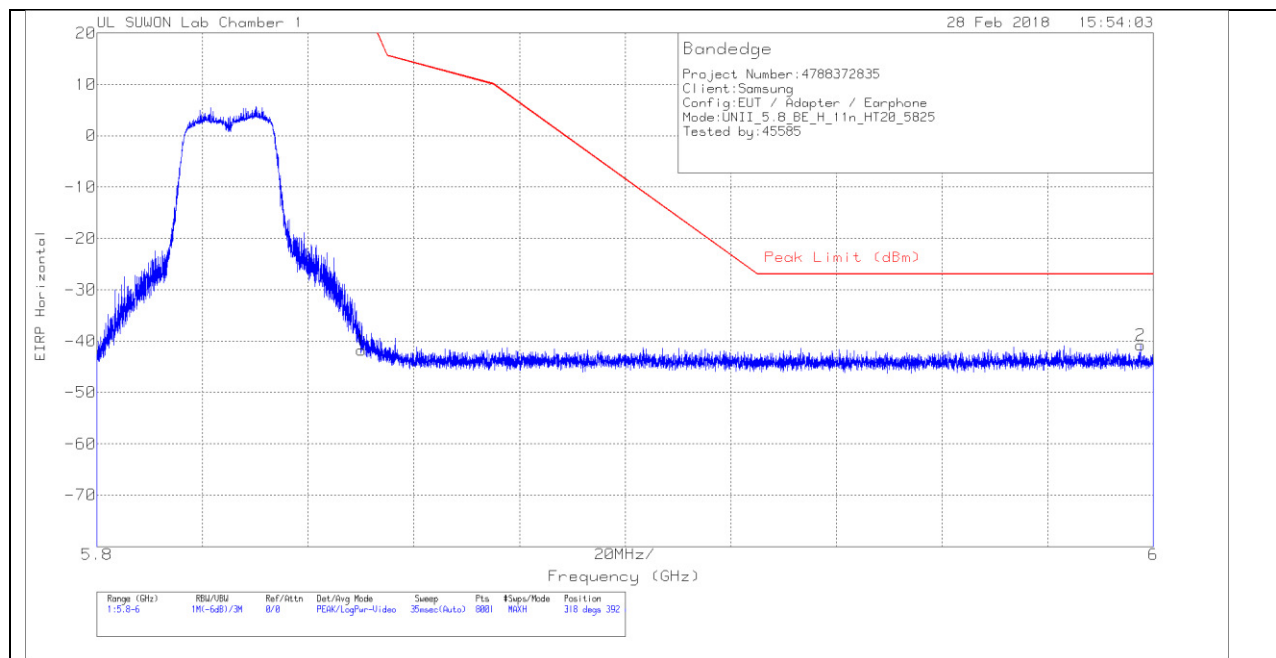
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(00168717)_150619	10dB_Att(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-50.9	Pk	34.8	-22.9	11.8	0	-27.2	26.97	-54.17	330	354	V
2	5.645	-65.27	Pk	34.8	-23.1	11.8	0	-41.77	-27	-14.77	330	354	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



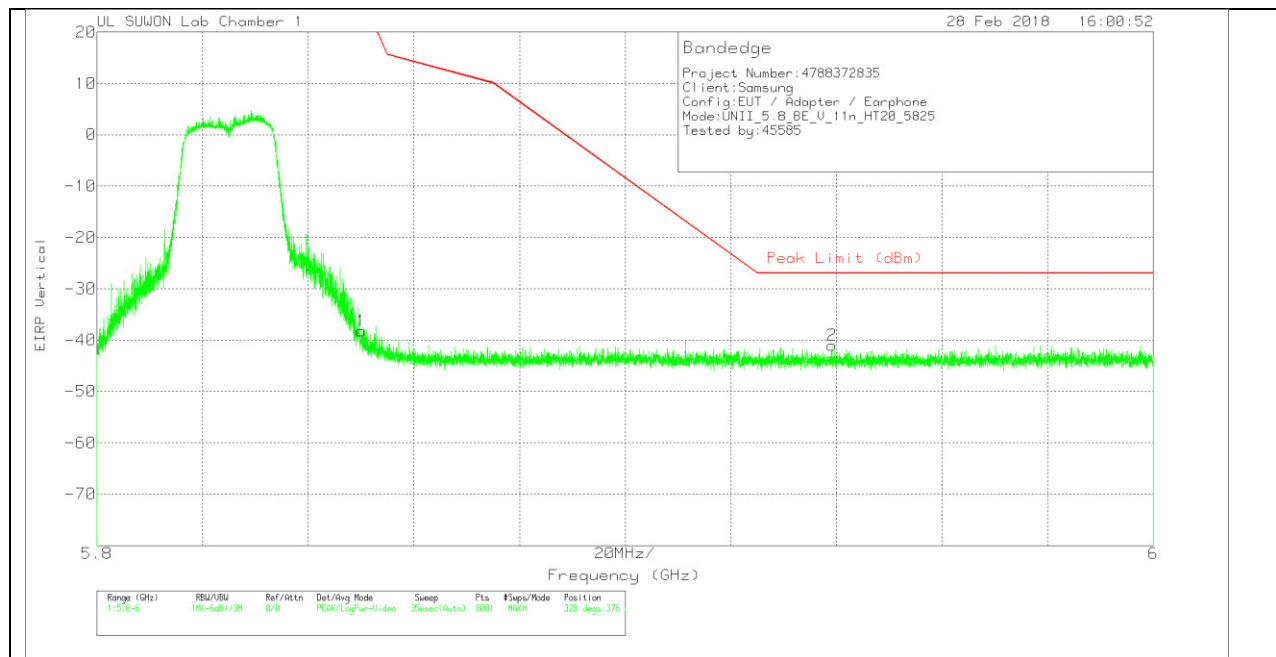
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(00168717)_150619	10dB_Att(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.12	Pk	34.9	-22.3	11.8	0	-41.72	26.94	-68.66	318	392	H
2	5.998	-65.06	Pk	34.9	-22.4	11.8	0	-40.76	-27	-13.76	318	392	H

Pk - Peak detector

VERTICAL PEAK PLOT



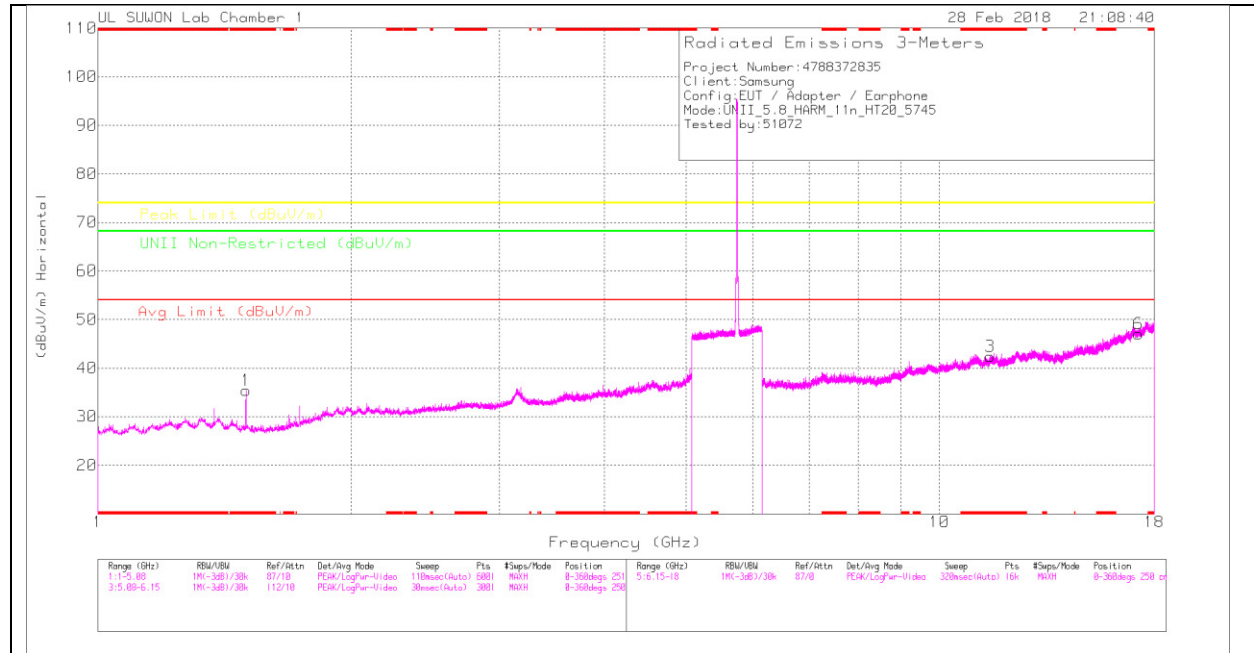
VERTICAL DATA

Trace Markers

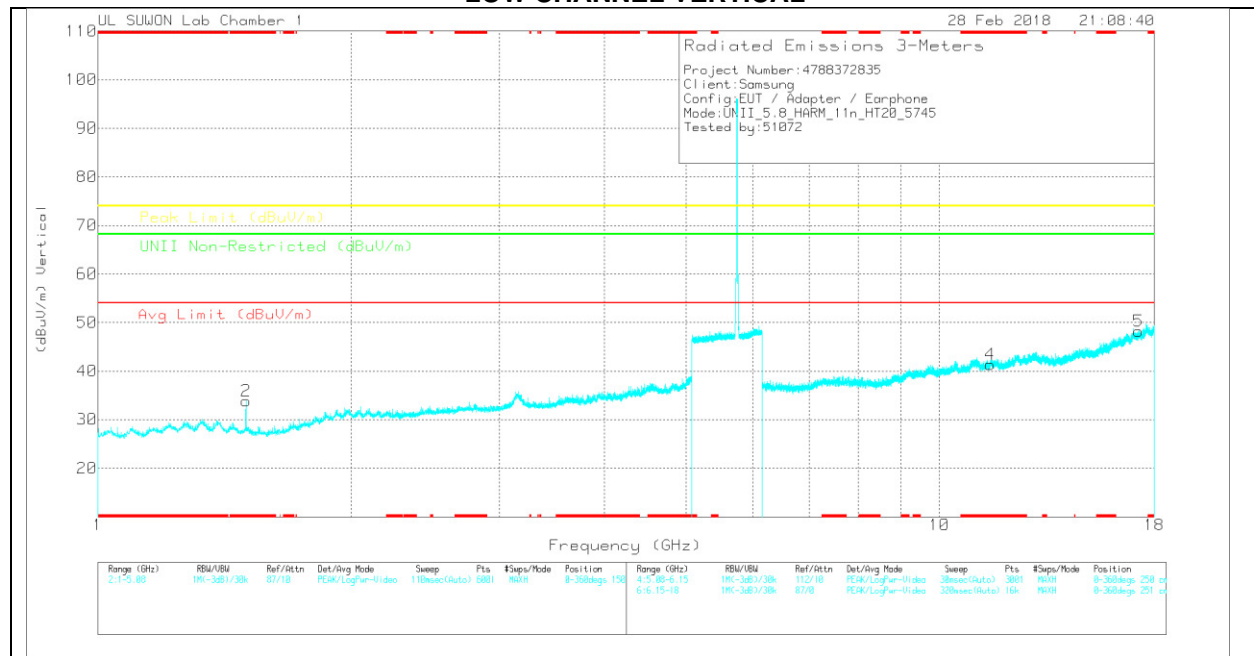
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117(00168717)_150619	10dB_Att(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-62.58	Pk	34.9	-22.3	11.8	0	-38.18	26.94	-65.12	328	376	V
2	5.939	-65.08	Pk	34.9	-22.6	11.8	0	-40.98	-27	-13.98	328	376	V

Pk - Peak detector

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	20170531_3117_001 68717	5GHz_LP(08)_170809	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)	Asimuth (Degs)	Height (cm)	Polarity
1	*1.499	43.75	PK	28.3	-36.6	0	35.45	-	-	74	-38.55	-	-	0-360	251	H
2	*1.499	42.15	PK	28.3	-36.6	0	33.85	-	-	74	-40.15	-	-	0-360	251	V
3	*11.49	27.02	PK	38.2	-22.8	0	42.42	-	-	74	-31.58	-	-	0-360	150	H
6	17.236	23.53	PK	41.6	-18.1	0	47.03	-	-	-	-	68.2	-21.17	0-360	150	H
4	*11.49	25.99	PK	38.2	-22.8	0	41.39	-	-	74	-32.61	-	-	0-360	150	V
5	17.236	24.76	PK	41.6	-18.1	0	48.26	-	-	-	-	68.2	-19.94	0-360	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168 717	5GHz_LP(08)_170809	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)	Asimuth (Degs)	Height (cm)	Polarity
*1.503	47.85	PK-U	28.3	-36.6	0	39.55	-	-	74	-34.45	-	-	306	309	H
*1.5	35.01	ADR	28.3	-36.6	0	26.71	54	-27.29	-	-	-	-	306	309	H
*1.5	47.92	PK-U	28.3	-36.6	0	39.62	-	-	74	-34.38	-	-	177	319	V
*1.5	35.14	ADR	28.3	-36.6	0	26.84	54	-27.16	-	-	-	-	177	319	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average