

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits (µV/m)	Measurement Distance (m)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 – 88	100**	3
88 - 216	150**	3
216 – 960	200**	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

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

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. (Restricted bandedge, Final detection of spurious harmonic emissions)
Duty cycle factor= $10\log(1/x)$ For this sample B mode = 0.51dB; G mode = 0.61dB; N mode = 0.63dB.

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

The spectrum from 1 GHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.
(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

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

Note : Emission was pre-scanned from 9 kHz to 30 MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

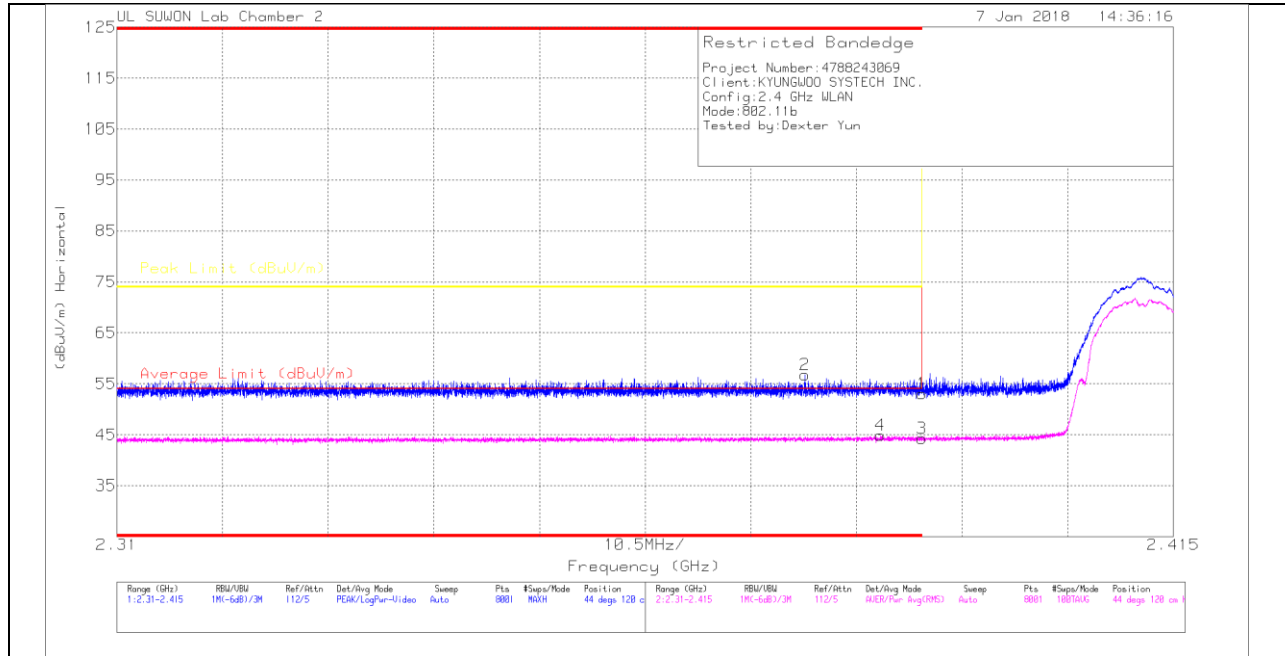
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1.TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

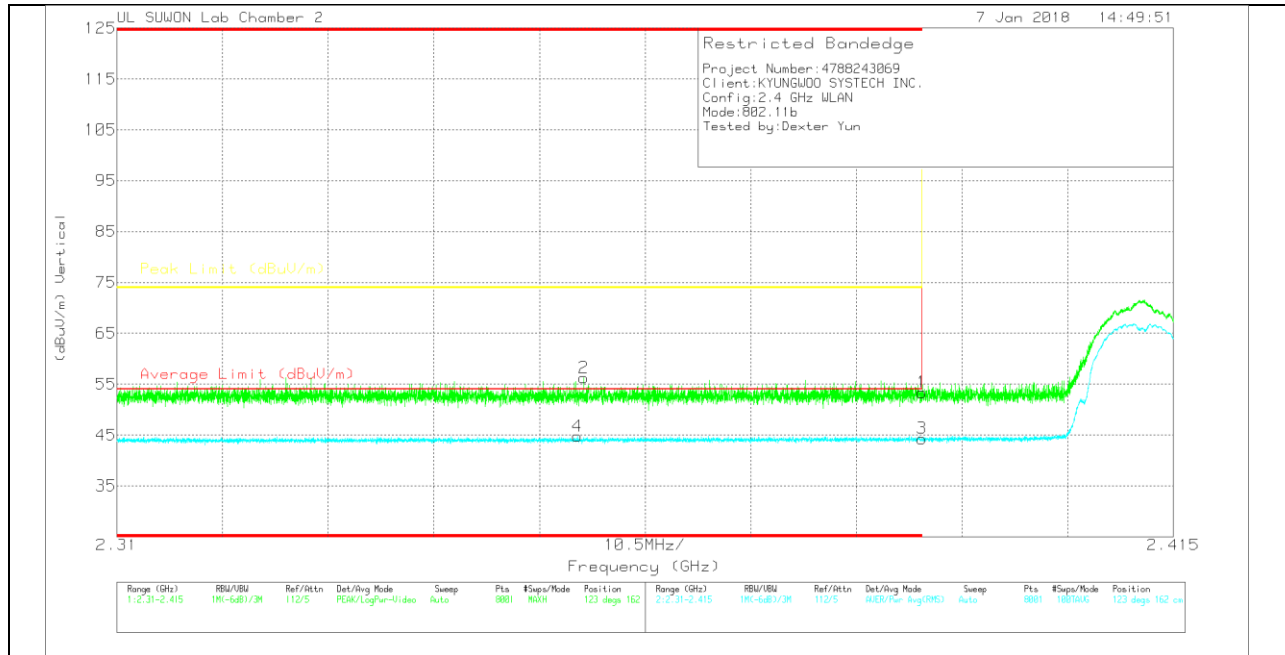
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.93	Pk	31.3	-18.2	0	53.03	-	-	74	-20.97	44	120	H
2	* 2.378	43.78	Pk	31.3	-18.3	0	56.78	-	-	74	-17.22	44	120	H
3	* 2.39	30.62	RMS	31.3	-18.2	.51	44.23	54	-9.77	-	-	44	120	H
4	* 2.386	31.26	RMS	31.3	-18.2	.51	44.87	54	-9.13	-	-	44	120	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

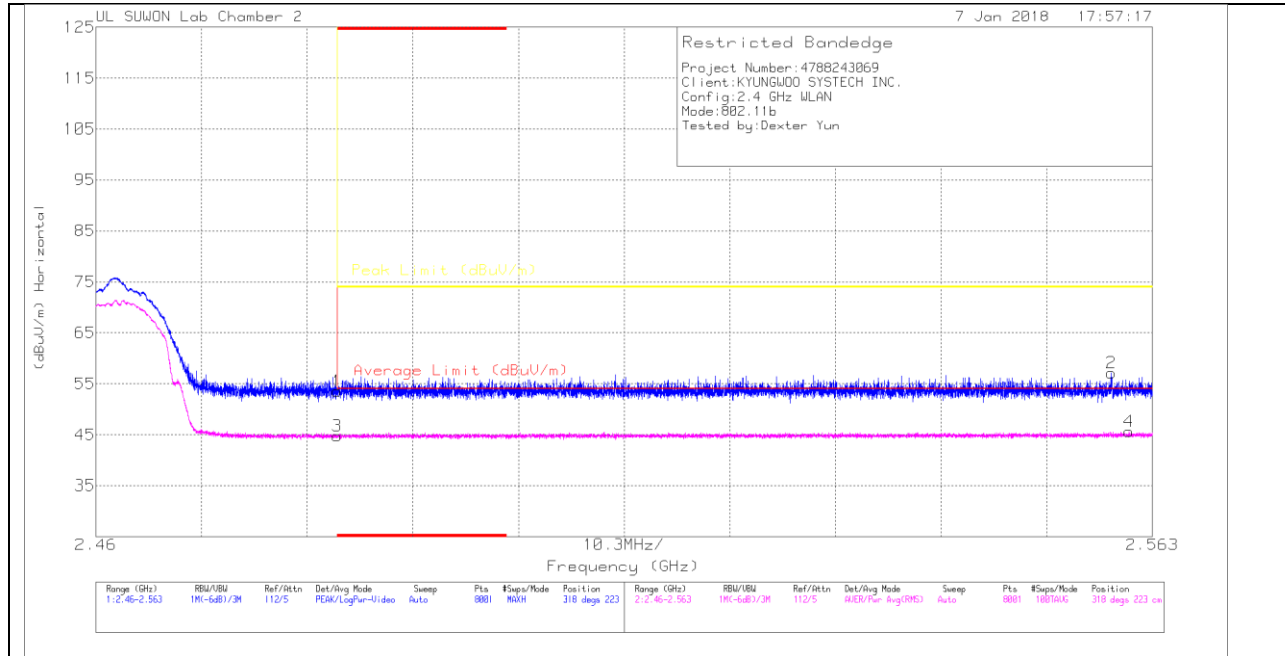
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	170531_3117[00168724]	10dB(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.26	Pk	31.3	-18.2	0	53.36	-	-	74	-20.64	123	162	V
2	* 2.356	43.42	Pk	31.2	-18.3	0	56.32	-	-	74	-17.68	123	162	V
3	* 2.39	30.7	RMS	31.3	-18.2	.51	44.31	54	-9.69	-	-	123	162	V
4	* 2.356	31.37	RMS	31.2	-18.3	.51	44.78	54	-9.22	-	-	123	162	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2462 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

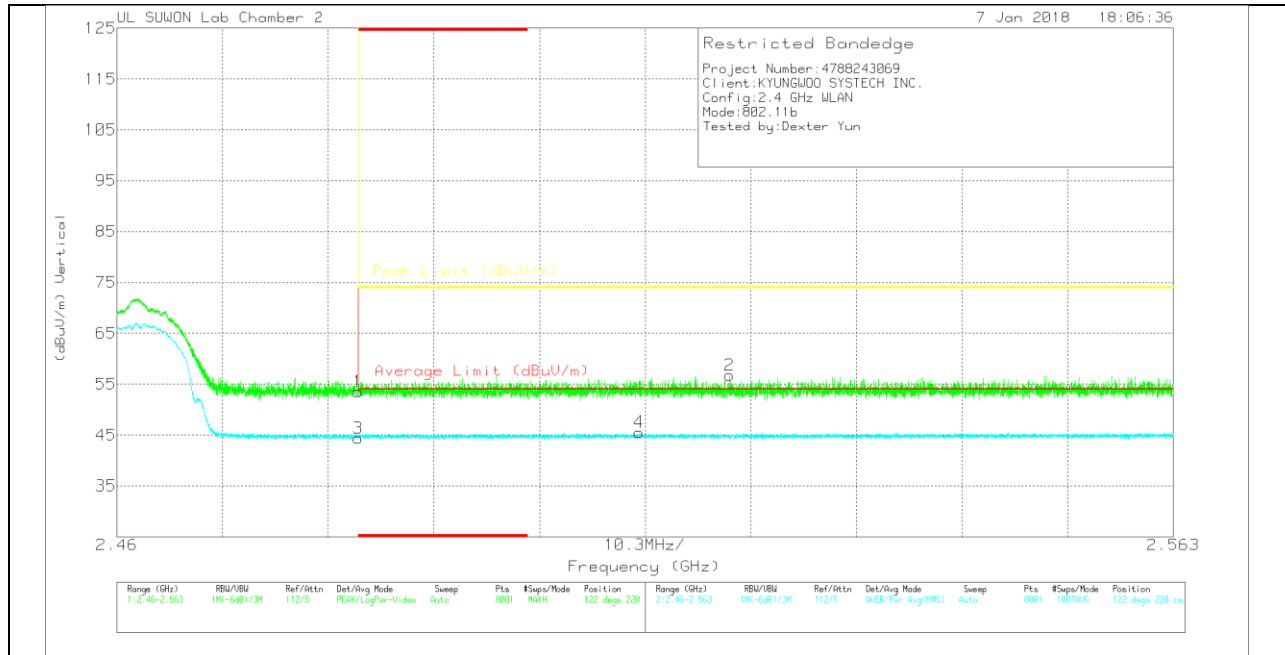
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.93	Pk		31.6	-18	0	53.53	-	74	-20.47	318	223	H
2	2.559	43.47	Pk		31.7	-18	0	57.17	-	74	-16.83	318	223	H
3	* 2.484	30.66	RMS		31.6	-18	.51	44.77	54	-9.23	-	318	223	H
4	2.561	31.34	RMS		31.7	-18	.51	45.55	54	-8.45	-	318	223	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 (dBu)	Det	170531_3117[D0168724]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.96	PK	31.6	-18	0	53.56	-	-	74	-20.44	122	220	V
2	2.52	43.21	PK	31.6	-18	0	56.81	-	-	74	-17.19	122	220	V
3	* 2.484	30.29	RMS	31.6	-18	.51	44.4	54	-9.6	-	-	122	220	V
4	2.511	31.43	RMS	31.6	-18	.51	45.54	54	-8.46	-	-	122	220	V

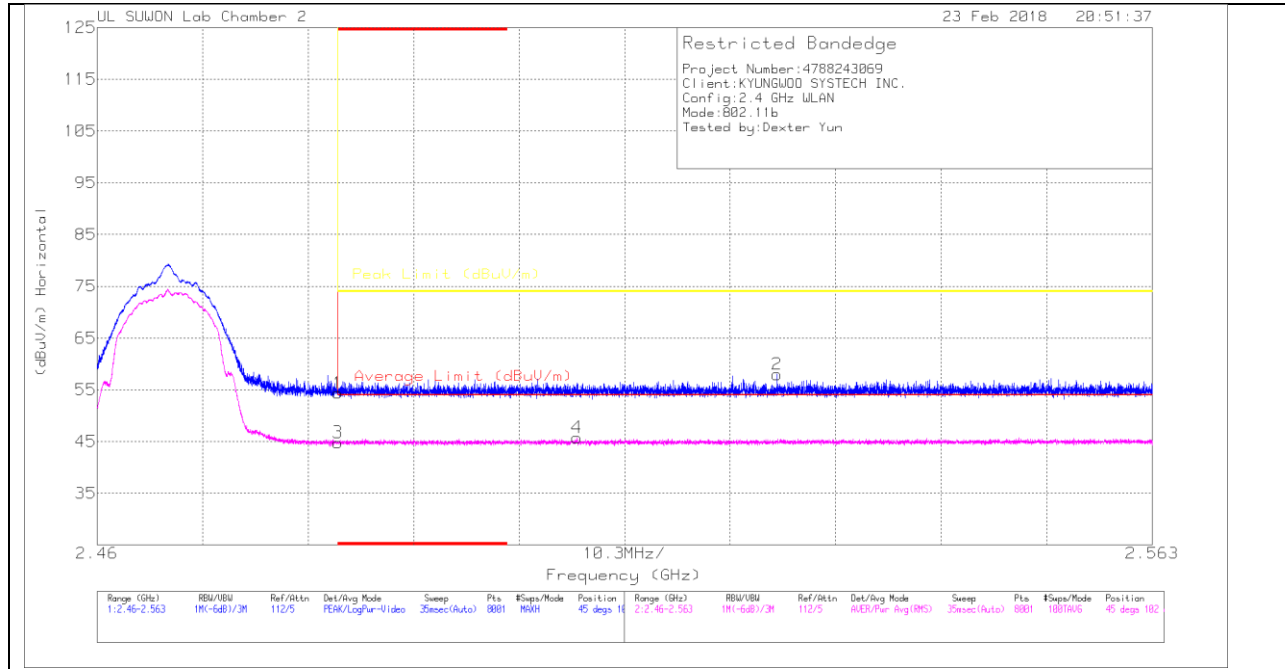
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2467 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

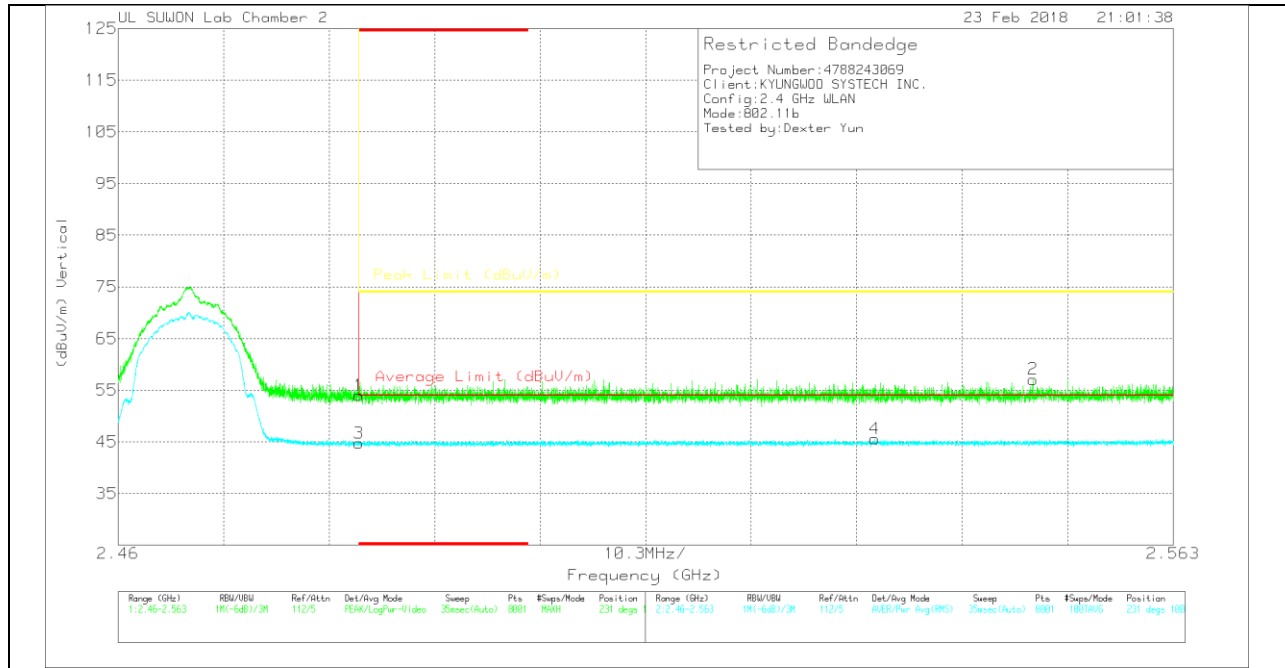
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.79	Pk	31.6	-18	0	54.39	-	-	74	-19.61	45	102	H
2	2.526	44.28	Pk	31.7	-18	0	57.98	-	-	74	-16.02	45	102	H
3	* 2.484	30.61	RMS	31.6	-18	.51	44.72	54	-9.28	-	-	45	102	H
4	2.507	31.55	RMS	31.6	-18	.51	45.66	54	-8.34	-	-	45	102	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	170531_3117[00168724]	10dB(dB)	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	* 2.484	40.38	Pk	31.6	-18	0	53.98	-	-	74	-20.02	231	100	V
2	2.549	43.42	Pk	31.7	-18	0	57.12	-	-	74	-16.88	231	100	V
3	* 2.484	30.63	RMS	31.6	-18	.51	44.74	54	-9.26	-	-	231	100	V
4	2.534	31.37	RMS	31.7	-18	.51	45.58	54	-8.42	-	-	231	100	V

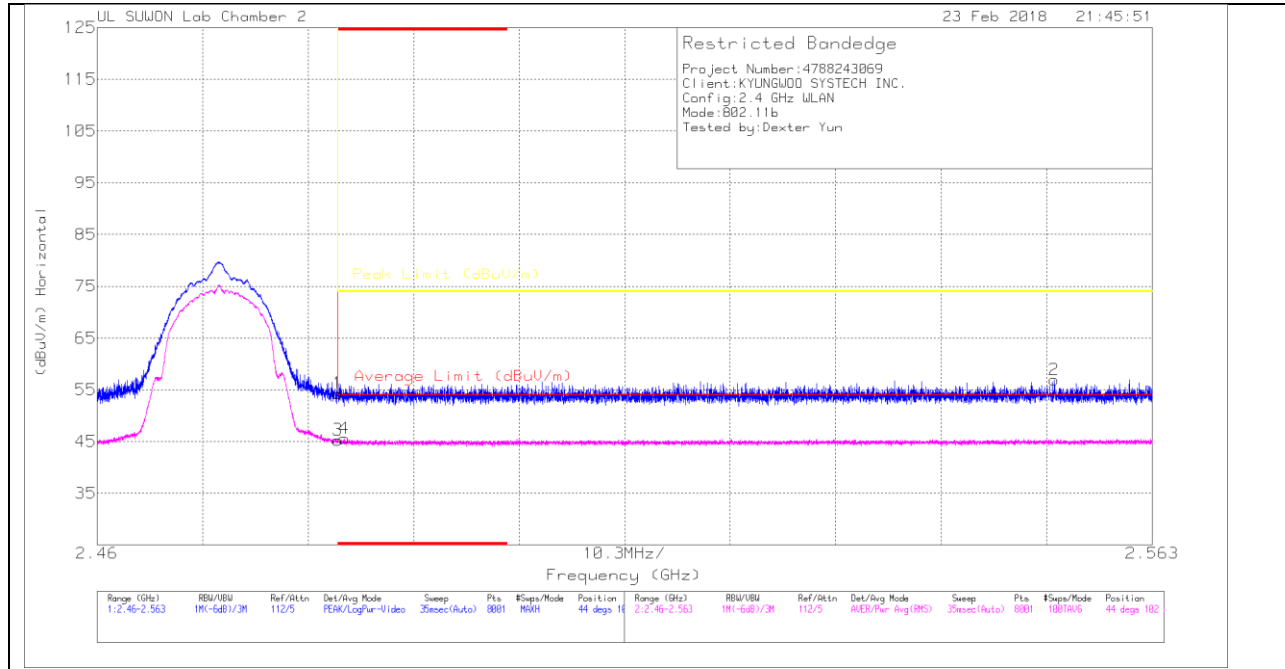
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2472 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

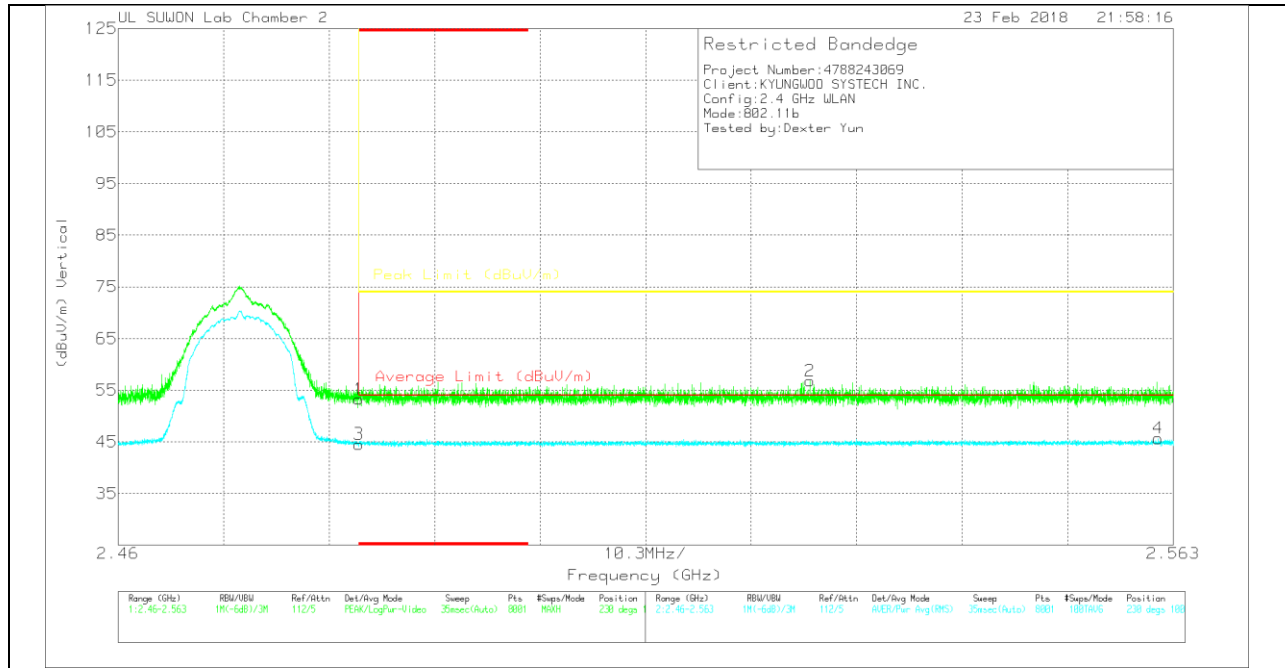
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.71	Pk	31.6	-18	0	54.31	-	-	74	-19.69	44	102	H
2	2.553	43.22	Pk	31.7	-18	0	56.92	-	-	74	-17.08	44	102	H
3	* 2.484	31.19	RMS	31.6	-18	.51	45.3	54	-8.7	-	-	44	102	H
4	* 2.484	31.48	RMS	31.6	-18	.51	45.59	54	-8.41	-	-	44	102	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	170531_3117[00168724]	10dB(dB)	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	* 2.484	39.69	Pk	31.6	-18	0	53.29	-	-	74	-20.71	230	100	V
2	2.528	43.09	Pk	31.7	-18	0	56.79	-	-	74	-17.21	230	100	V
3	* 2.484	30.44	RMS	31.6	-18	.51	44.55	54	-9.45	-	-	230	100	V
4	2.562	31.47	RMS	31.7	-18	.51	45.68	54	-8.32	-	-	230	100	V

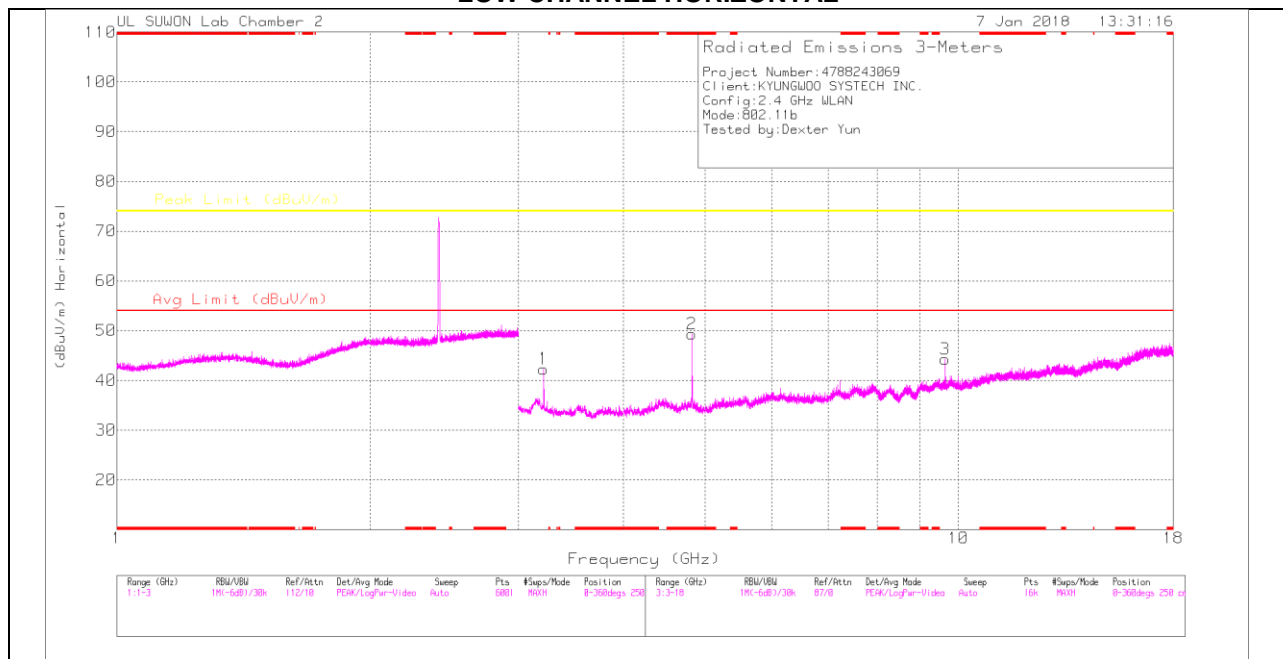
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

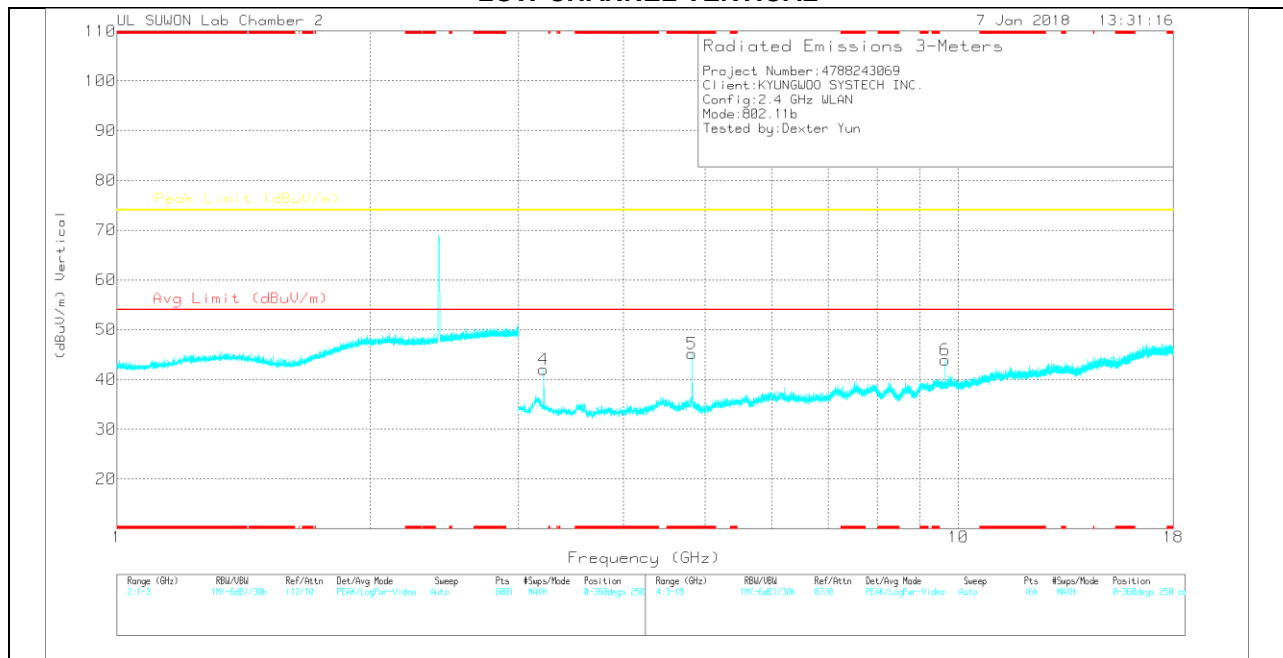
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; 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	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.216	34.92	Pk	33.2	-25.8	0	42.32	-	-	74	-31.68	0-360	250	H
2	* 4.823	39.85	Pk	33.8	-24.3	0	49.35	-	-	74	-24.65	0-360	250	H
3	9.647	25.74	Pk	36.8	-18.3	0	44.24	-	-	74	-29.76	0-360	150	H
4	3.216	34.58	Pk	33.2	-25.8	0	41.98	-	-	74	-32.02	0-360	250	V
5	* 4.823	35.69	Pk	33.8	-24.3	0	45.19	-	-	74	-28.81	0-360	150	V
6	9.647	25.46	Pk	36.8	-18.3	0	43.96	-	-	74	-30.04	0-360	250	V

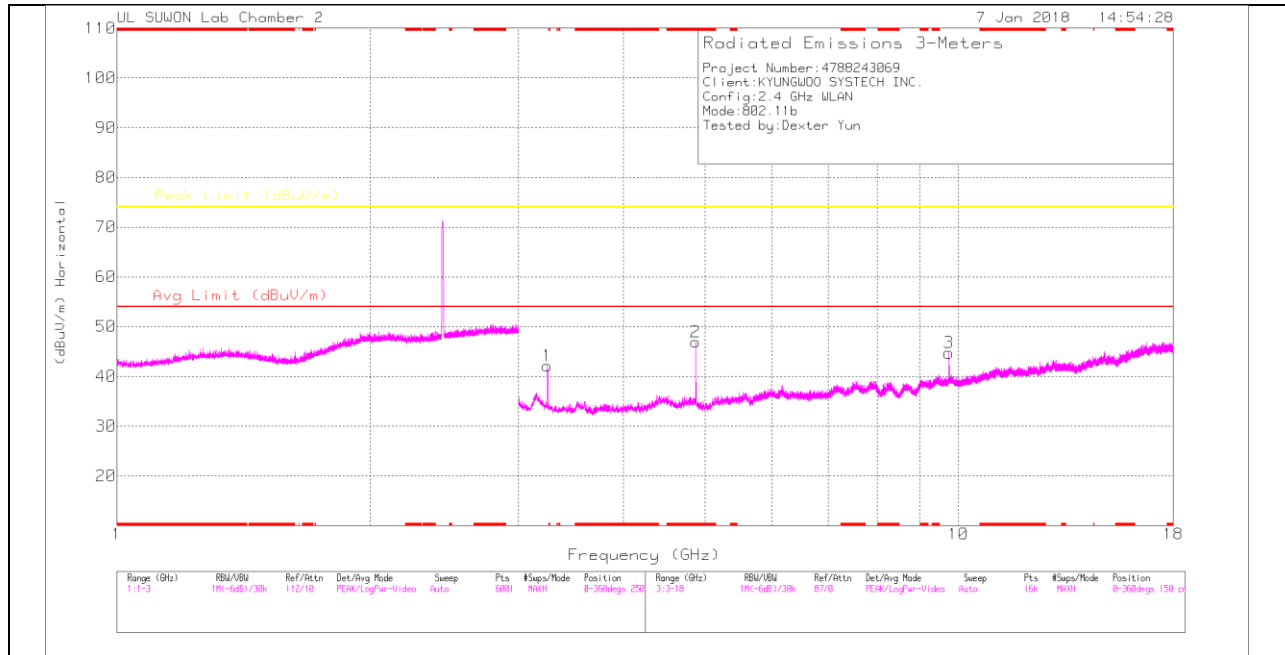
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

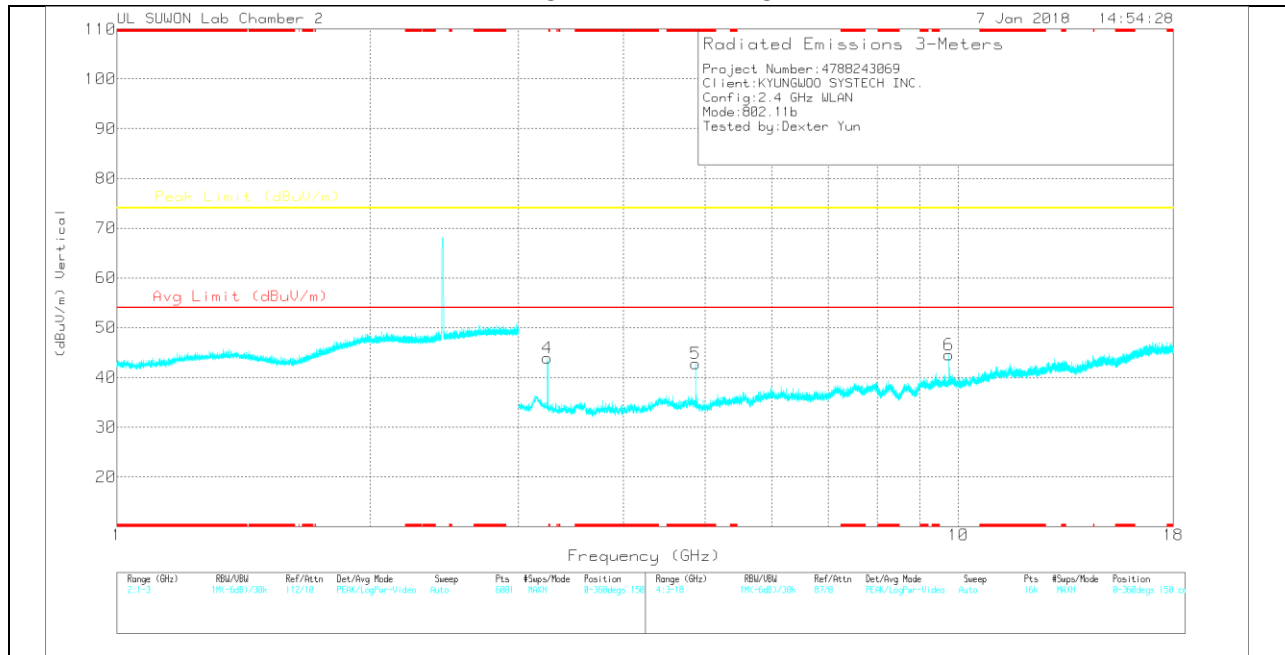
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.216	36.23	PK2	33.2	-25.8	0	43.63	-	-	74	-30.37	344	224	H
* 4.824	43.38	PK2	33.8	-24.3	0	52.88	-	-	74	-21.12	150	185	H
* 4.824	39.68	MAv1	33.8	-24.3	.51	49.69	54	-4.31	-	-	150	185	H
9.647	32.49	PK2	36.8	-18.3	0	50.99	-	-	74	-23.01	157	109	H
3.216	39.96	PK2	33.2	-25.8	0	47.36	-	-	74	-26.64	141	100	V
* 4.824	41.33	PK2	33.8	-24.3	0	50.83	-	-	74	-23.17	196	100	V
* 4.824	36.36	MAv1	33.8	-24.3	.51	46.37	54	-7.63	-	-	196	100	V
9.648	31.09	PK2	36.8	-18.3	0	49.59	-	-	74	-24.41	225	143	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; 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	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.248	35.3	Pk	32.7	-25.9	0	42.1	-	-	74	-31.9	0-360	150	H
2	* 4.873	37.63	Pk	33.8	-24.5	0	46.93	-	-	74	-27.07	0-360	250	H
3	9.748	25.93	Pk	36.9	-18.1	0	44.73	-	-	74	-29.27	0-360	150	H
4	3.248	37.08	Pk	32.7	-25.9	0	43.88	-	-	74	-30.12	0-360	150	V
5	* 4.873	33.49	Pk	33.8	-24.5	0	42.79	-	-	74	-31.21	0-360	250	V
6	9.748	25.71	Pk	36.9	-18.1	0	44.51	-	-	74	-29.49	0-360	150	V

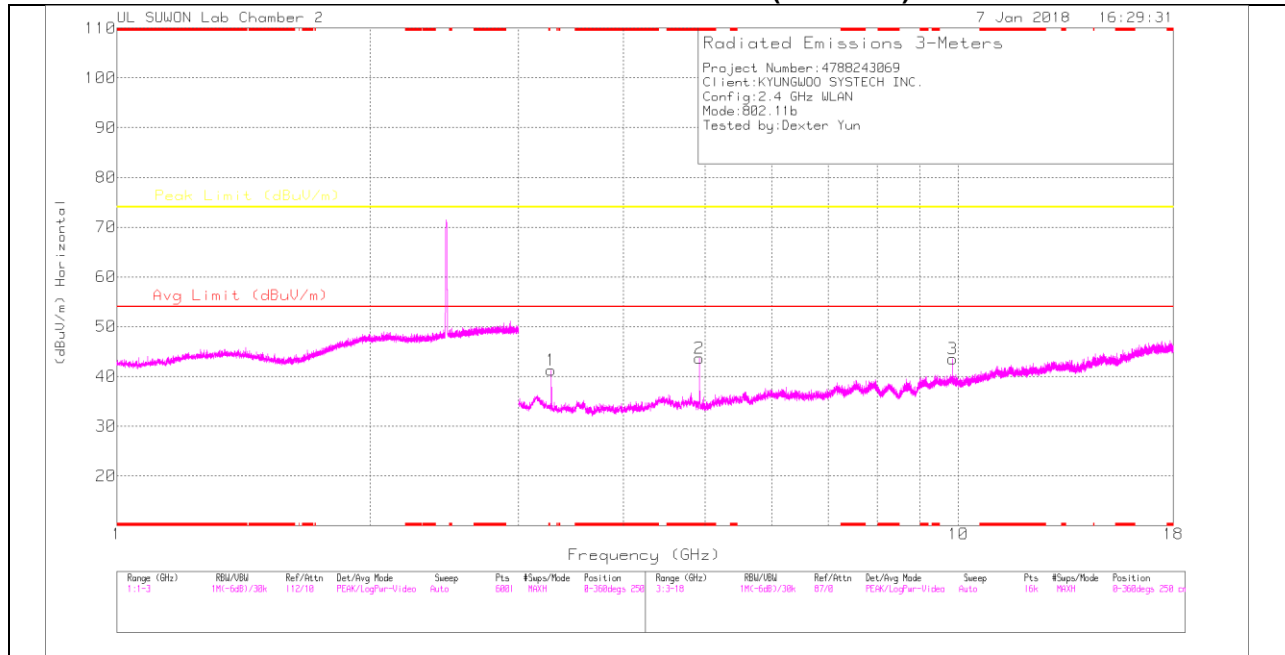
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

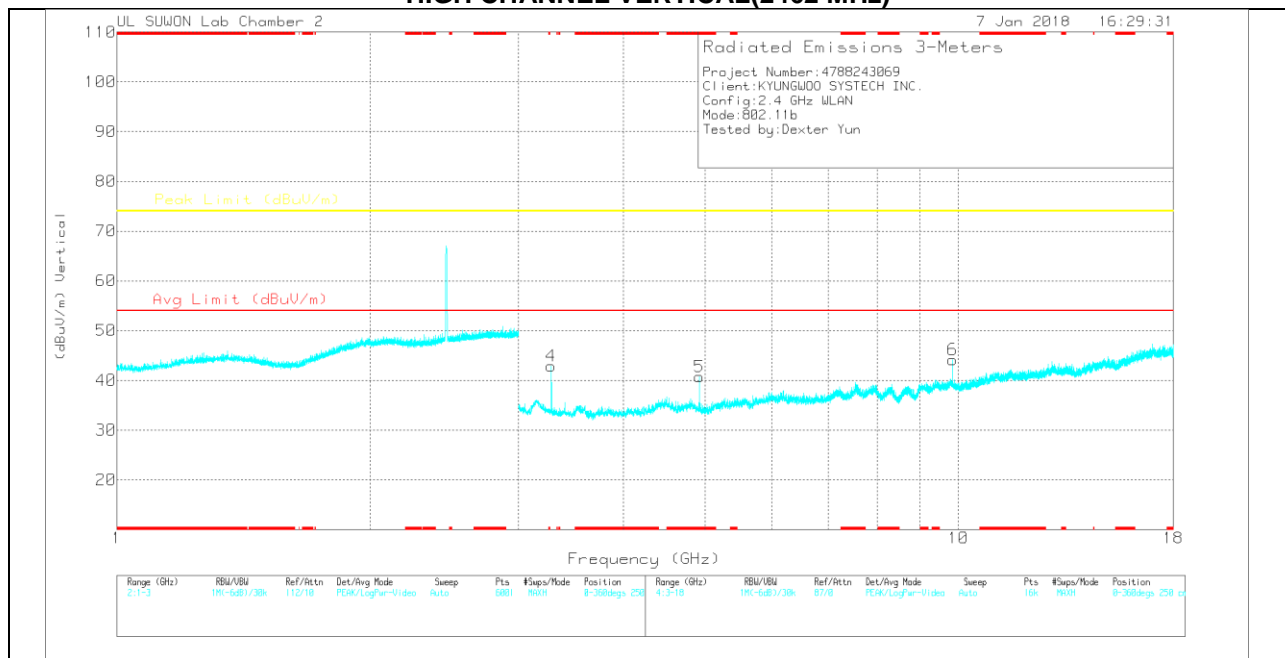
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.249	40.73	PK2	32.7	-25.9	0	47.53	-	-	74	-26.47	27	100	H
* 4.874	41.09	PK2	33.8	-24.5	0	50.39	-	-	74	-23.61	147	287	H
* 4.874	36.48	MAv1	33.8	-24.5	.51	46.29	54	-7.71	-	-	147	287	H
9.748	32.3	PK2	36.9	-18.1	0	51.1	-	-	74	-22.9	157	101	H
3.249	41.29	PK2	32.7	-25.9	0	48.09	-	-	74	-25.91	137	138	V
* 4.874	39.15	PK2	33.8	-24.5	0	48.45	-	-	74	-25.55	198	133	V
* 4.874	33.29	MAv1	33.8	-24.5	.51	43.1	54	-10.9	-	-	198	133	V
9.748	31.96	PK2	36.9	-18.1	0	50.76	-	-	74	-23.24	356	140	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2462 MHz)



HIGH CHANNEL VERTICAL(2462 MHz)



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA(2462 MHz)

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.282	34.55	PK	32.6	-25.9	0	41.25	-	-	74	-32.75	0-360	250	H
2	* 4.924	34.55	PK	33.8	-24.7	0	43.65	-	-	74	-30.35	0-360	250	H
3	9.848	24.43	PK	37	-17.9	0	43.53	-	-	74	-30.47	0-360	150	H
4	3.282	38.21	PK	32.6	-25.9	0	42.91	-	-	74	-31.09	0-360	250	V
5	* 4.924	31.64	PK	33.8	-24.7	0	40.74	-	-	74	-33.26	0-360	250	V
6	9.848	25.01	PK	37	-17.9	0	44.11	-	-	74	-29.89	0-360	250	V

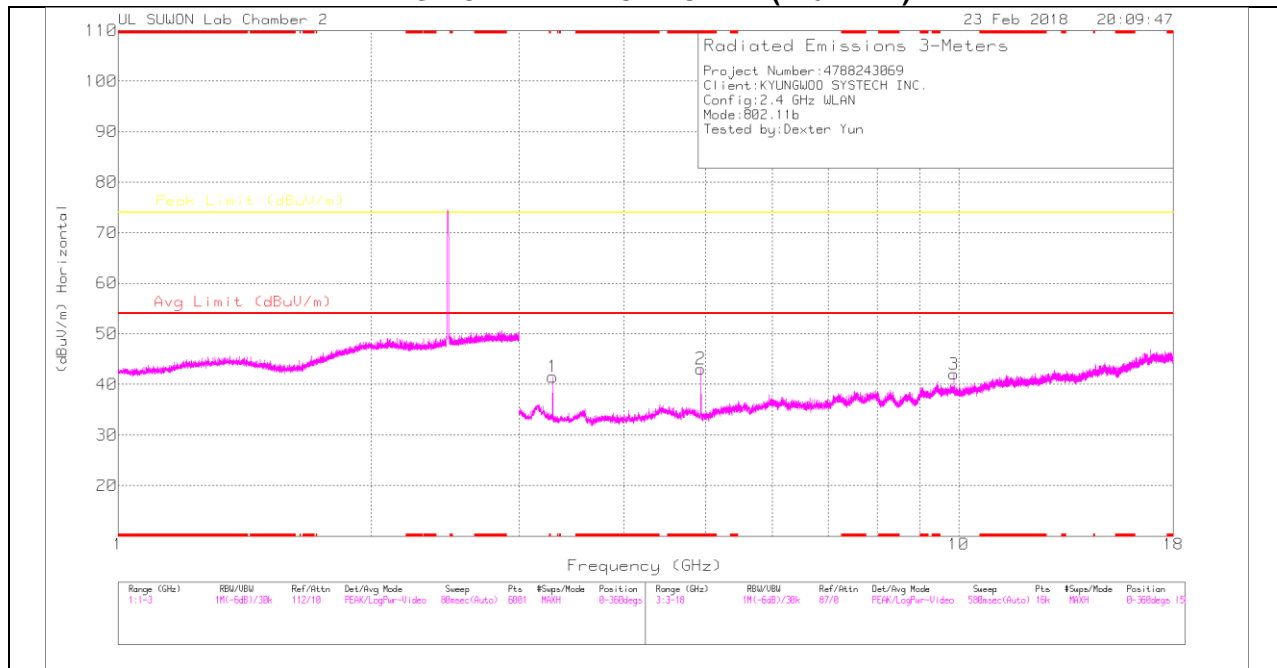
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

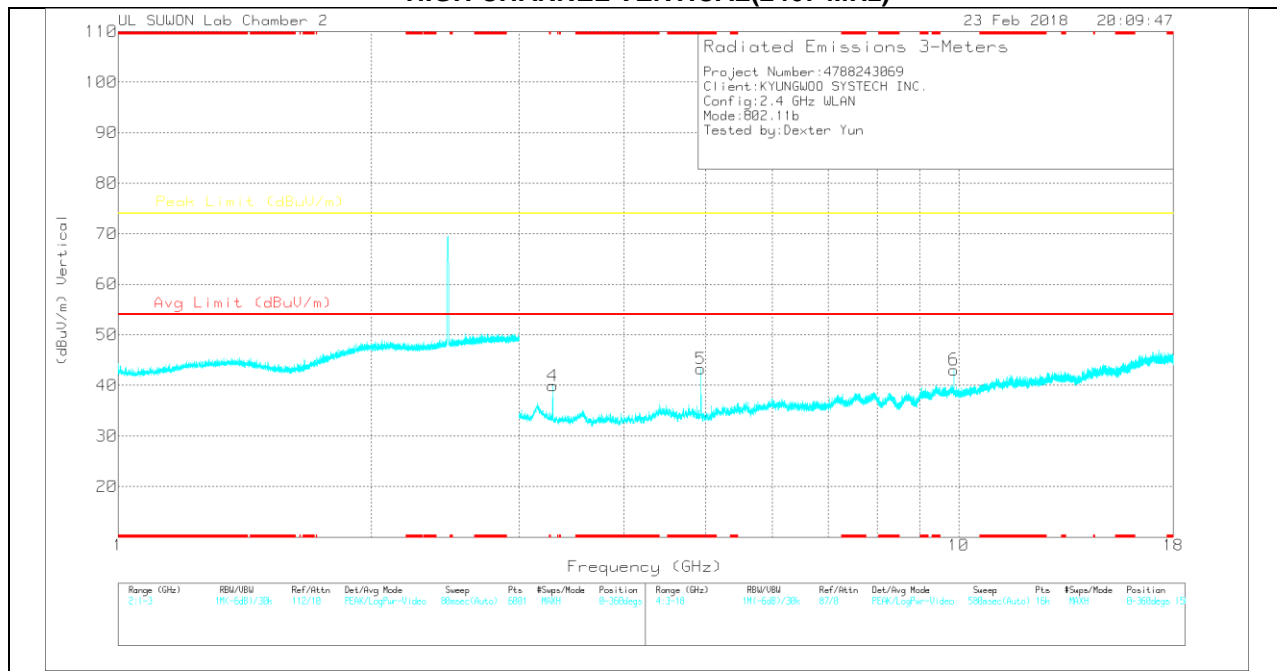
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.283	39.6	PK2	32.6	-25.9	0	46.3	-	-	74	-27.7	165	188	H
* 4.924	39.38	PK2	33.8	-24.7	0	48.48	-	-	74	-25.52	150	281	H
* 4.924	33.49	MAv1	33.8	-24.7	.51	43.1	54	-10.9	-	-	150	281	H
9.848	31.79	PK2	37	-17.9	0	50.89	-	-	74	-23.11	158	100	H
3.282	41.04	PK2	32.6	-25.9	0	47.74	-	-	74	-26.26	141	132	V
* 4.924	38.85	PK2	33.8	-24.7	0	47.95	-	-	74	-26.05	155	247	V
* 4.924	32.76	MAv1	33.8	-24.7	.51	42.37	54	-11.63	-	-	155	247	V
9.848	31.18	PK2	37	-17.9	0	50.28	-	-	74	-23.72	355	144	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2467 MHz)



HIGH CHANNEL VERTICAL(2467 MHz)



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA(2467 MHz)

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
1	3.289	34.88	Avg		32.5	-25.9	0	41.48	-	-	74	-32.52	0-360	150	H
2	* 4.934	33.95	Avg		33.8	-24.7	0	43.05	-	-	74	-30.95	0-360	150	H
3	9.868	23.03	Avg		37	-18	0	42.03	-	-	74	-31.97	0-360	150	H
4	3.289	33.3	Avg		32.5	-25.9	0	33.9	-	-	74	-34.1	0-360	250	V
5	* 4.933	34.15	Avg		33.8	-24.7	0	43.25	-	-	74	-30.75	0-360	150	V
6	9.868	24.08	Avg		37	-18	0	43.08	-	-	74	-30.92	0-360	150	V

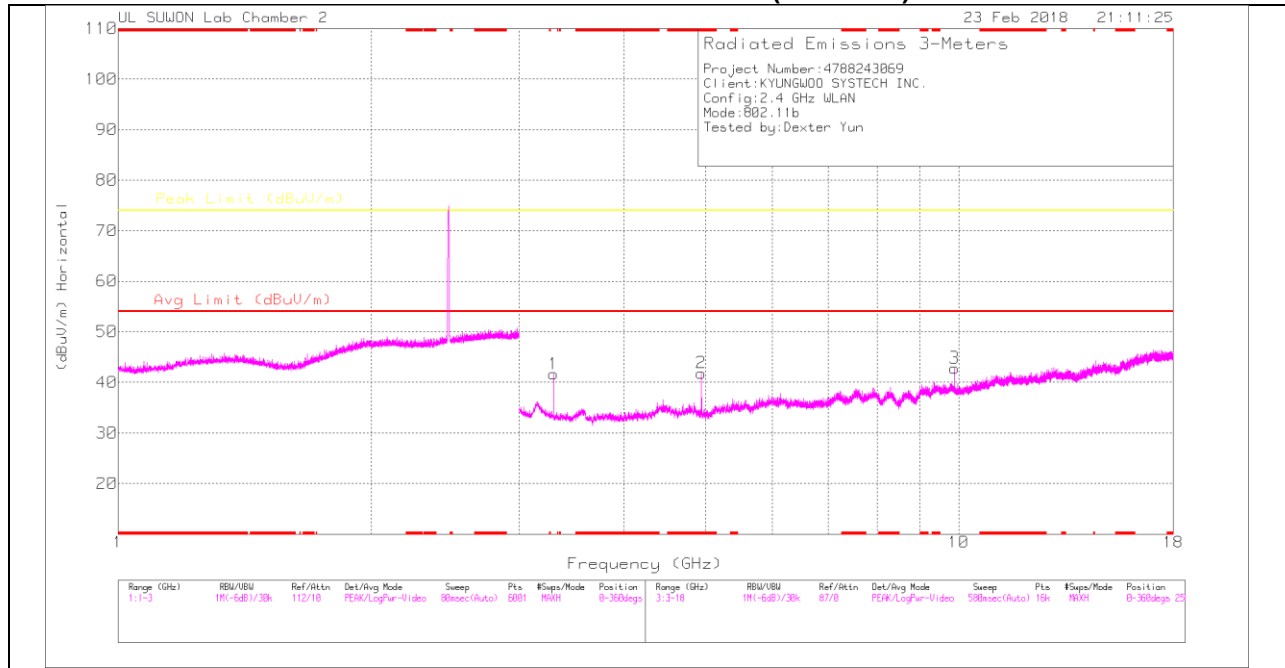
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

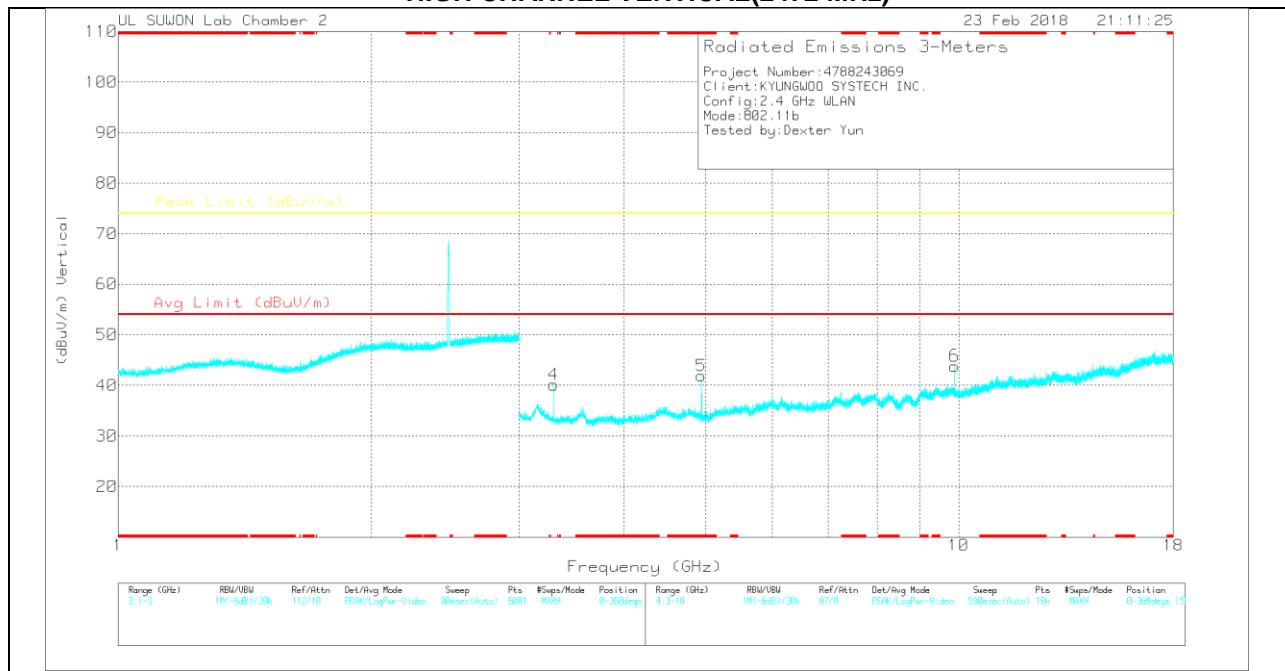
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.934	40.08	PK2	33.8	-24.7	0	49.18	-	-	74	-24.82	153	316	H
* 4.934	34.43	MAv1	33.8	-24.7	.51	44.04	54	-9.96	-	-	153	316	H
* 4.934	39.34	PK2	33.8	-24.7	0	48.44	-	-	74	-25.56	206	147	V
* 4.934	33.97	MAv1	33.8	-24.7	.51	43.58	54	-10.42	-	-	206	147	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2472 MHz)



HIGH CHANNEL VERTICAL(2472 MHz)



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA(2472 MHz)

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
1	3.295	35.04	Avg		32.5	-25.9	0	41.64	-	-	74	-32.36	0-360	150	H
2	*4.943	32.74	Avg		33.8	-24.7	0	41.84	-	-	74	-32.16	0-360	250	H
3	9.887	23.7	Avg		37.1	-18	0	42.8	-	-	74	-31.2	0-360	150	H
4	3.295	33.53	Avg		32.5	-25.9	0	40.13	-	-	74	-33.87	0-360	150	V
5	*4.943	32.8	Avg		33.8	-24.7	0	41.9	-	-	74	-32.1	0-360	250	V
6	9.887	24.72	Avg		37.1	-18	0	43.82	-	-	74	-30.18	0-360	150	V

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

Radiated Emissions

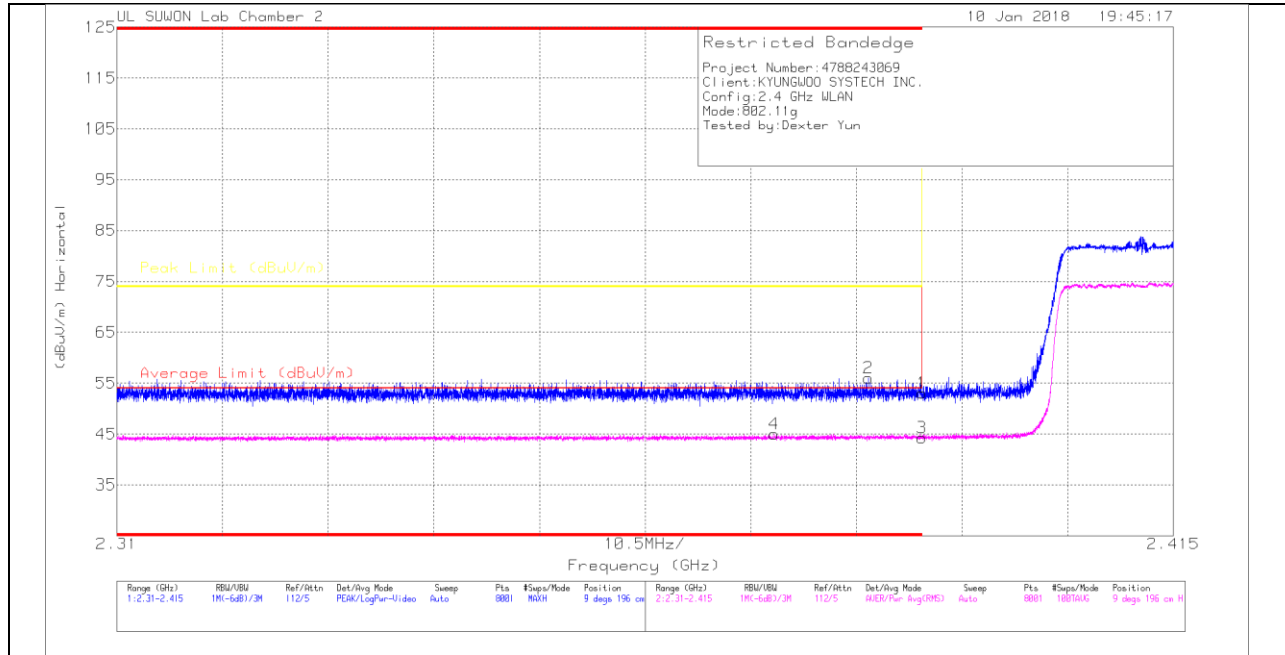
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
* 4.944	37.47	PK2		33.8	-24.7	0	46.57	-	-	74	-27.43	8	106	H
* 4.944	31.08	MAv1		33.8	-24.7	.51	40.69	54	-13.31	-	-	8	106	H
* 4.944	38.77	PK2		33.8	-24.7	0	47.87	-	-	74	-26.13	212	125	V
* 4.944	32.93	MAv1		33.8	-24.7	.51	42.54	54	-11.46	-	-	212	125	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.2.TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

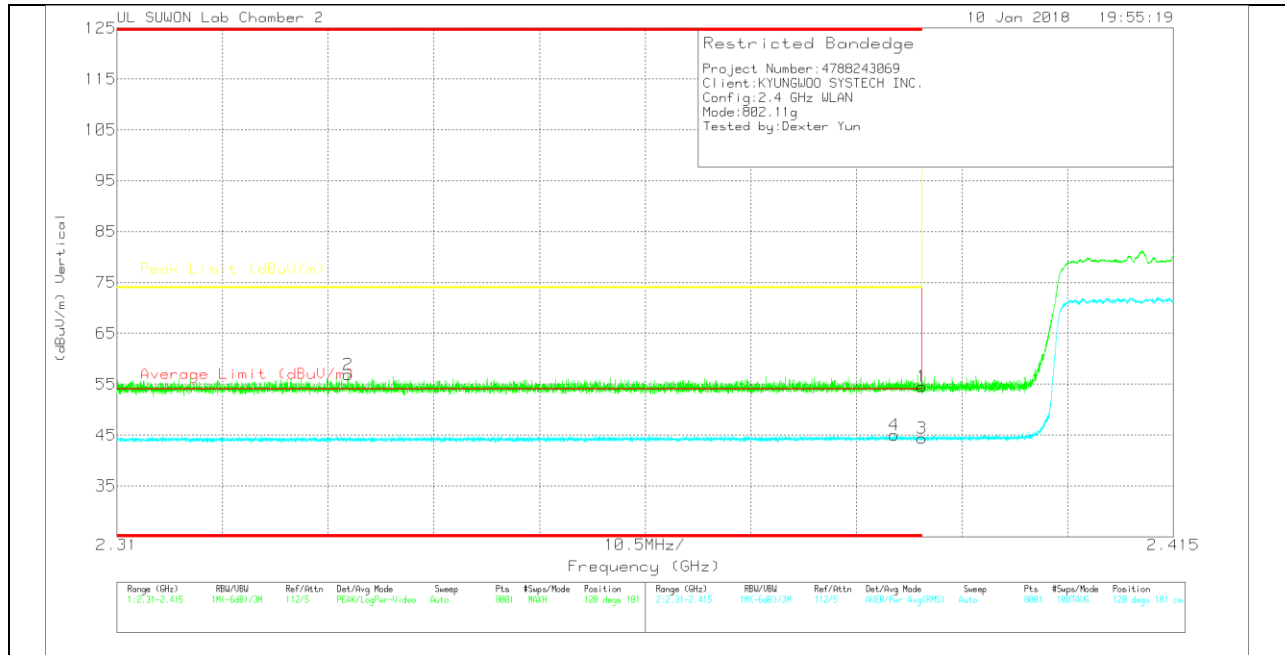
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170E31_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	39.58	Pk	31.3	-18.2	0	53.08	-	-	74	-20.92	9	196	H
2	* 2.385	42.53	Pk	31.3	-18.2	0	56.03	-	-	74	-17.97	9	196	H
3	* 2.39	30.47	RMS	31.3	-18.2	61	44.18	54	-9.82	-	-	9	196	H
4	* 2.375	31.36	RMS	31.3	-18.3	61	44.97	54	-9.03	-	-	9	196	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	170531_3117[00168724]	10dB(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.41	Pk		-18.2	0	54.51	-	-	74	-19.49	120	181	V
2	* 2.333	44.06	Pk		-18.4	0	56.86	-	-	74	-17.14	120	181	V
3	* 2.39	30.62	RMS		-18.2	.61	44.33	54	-9.67	-	-	120	181	V
4	* 2.387	31.18	RMS		-18.2	.61	44.89	54	-9.11	-	-	120	181	V

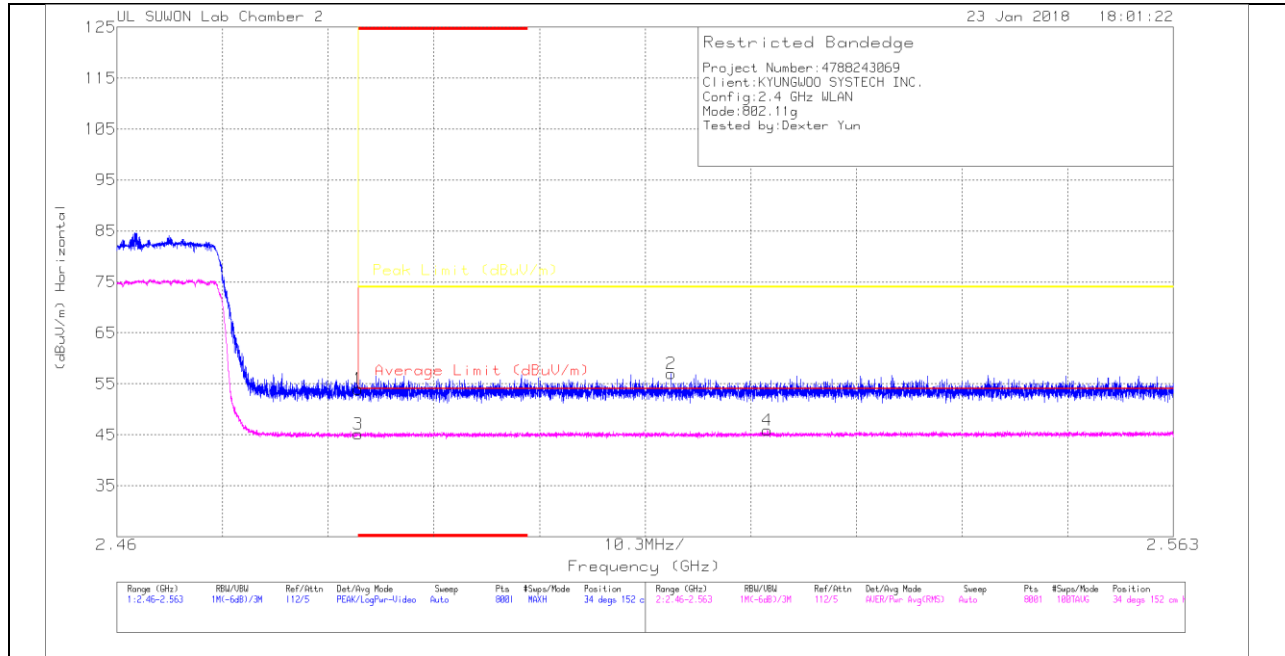
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2462 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

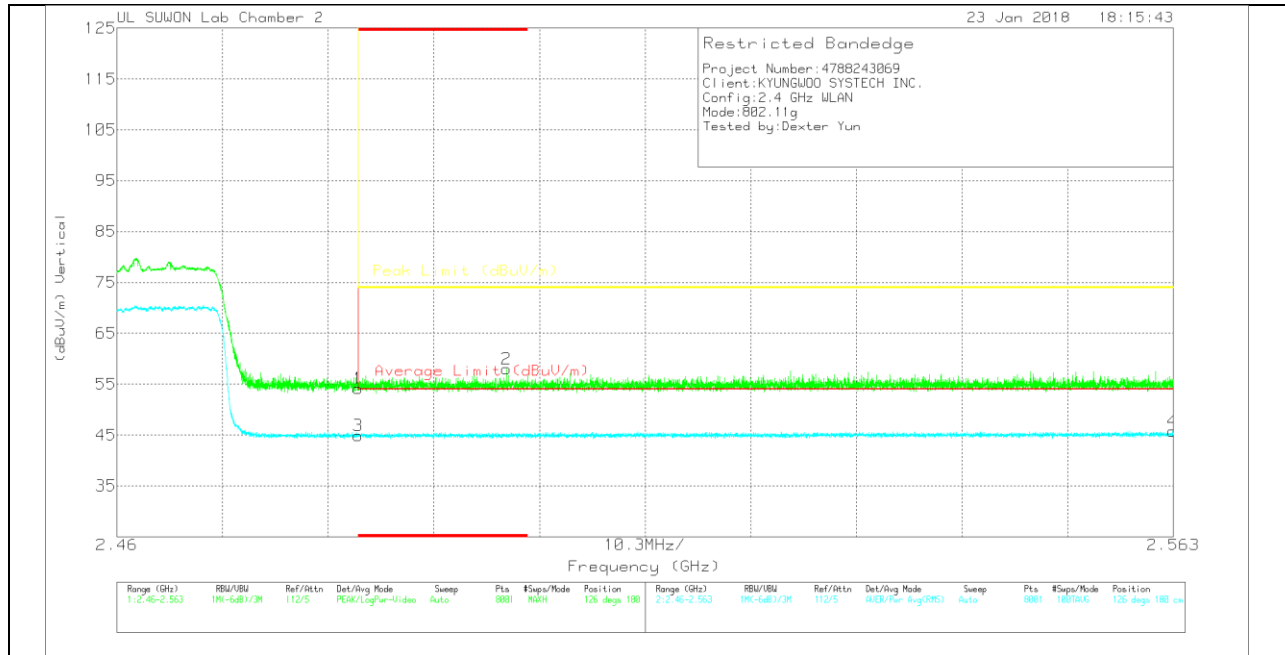
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.38	Pk	31.6	-18	0	53.98	-	-	74	-20.02	34	152	H
2	2.514	43.44	Pk	31.6	-18	0	57.04	-	-	74	-16.96	34	152	H
3	* 2.484	30.85	RMS	31.6	-18	61	45.06	54	-8.94	-	-	34	152	H
4	2.523	31.62	RMS	31.6	-18	61	45.83	54	-8.17	-	-	34	152	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 (dBu/m)	Det	170531_3117[00168724]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.51	Pk		31.6	-18	54.11	-	-	74	-19.89	126	180	V
2	* 2.498	44.38	Pk		31.6	-18	57.98	-	-	74	-16.02	126	180	V
3	* 2.484	30.63	RMS		31.6	-18	44.84	54	-9.16	-	-	126	180	V
4	2.563	31.22	RMS		31.8	-18	45.63	54	-8.37	-	-	126	180	V

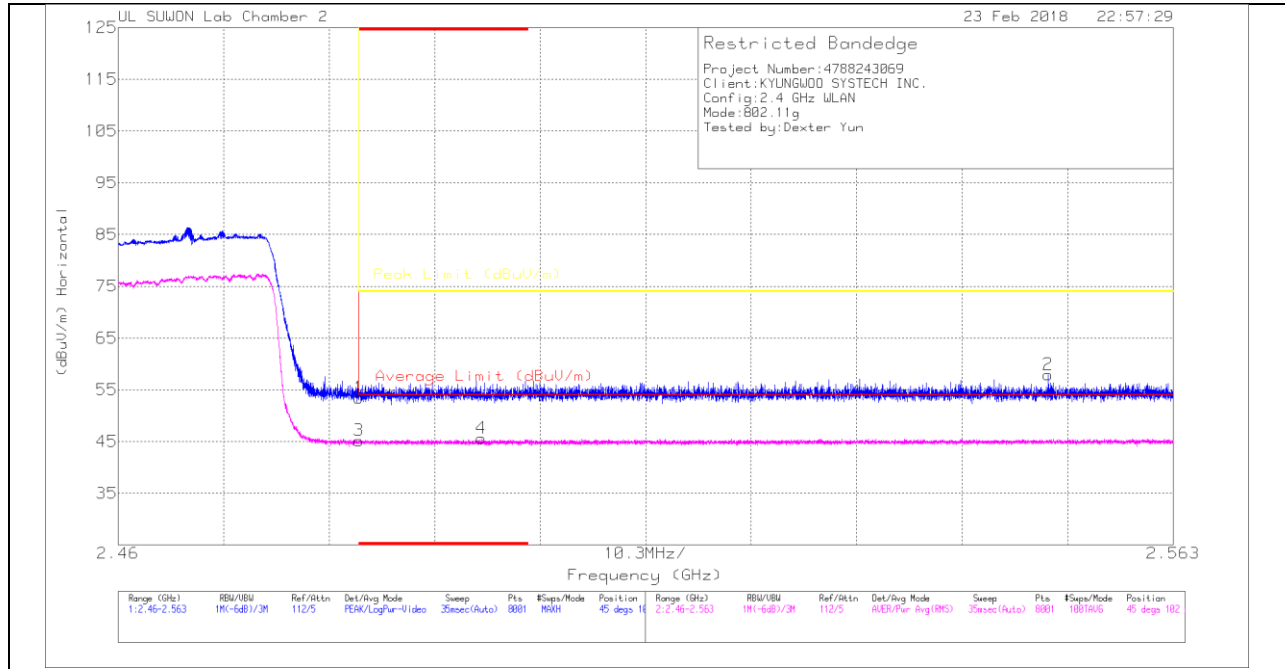
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2467 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

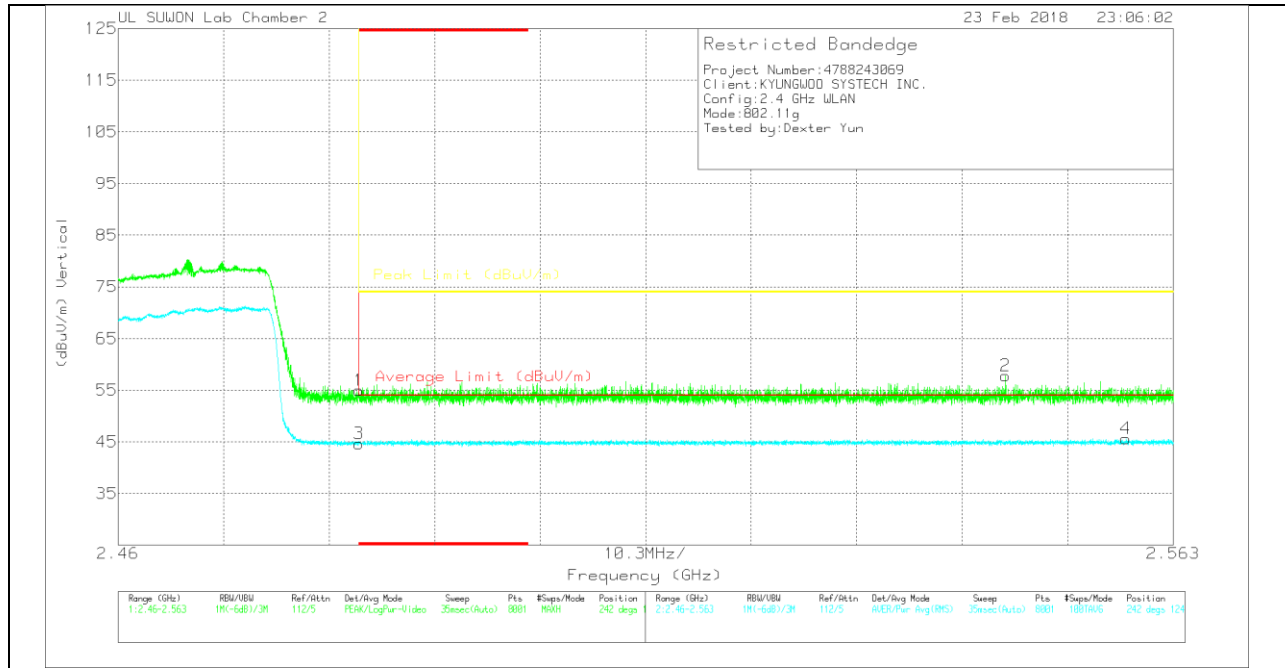
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.89	Pk	31.6	-18	0	53.49	-	-	74	-20.51	45	102	H
2	2.551	44.25	Pk	31.7	-18	0	57.95	-	-	74	-16.05	45	102	H
3	* 2.484	30.99	RMS	31.6	-18	.61	45.2	54	-8.8	-	-	45	102	H
4	* 2.495	31.45	RMS	31.6	-18	.61	45.66	54	-8.34	-	-	45	102	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	170531_3117[001687Z4]	10dB[dB]	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	* 2.484	41.37	Pk		-18	0	54.97	-	-	74	-19.03	242	124	V
2	2.547	44.11	Pk		-18	0	57.81	-	-	74	-16.19	242	124	V
3	* 2.484	30.48	RMS		-18	.61	44.69	54	-9.31	-	-	242	124	V
4	2.558	31.34	RMS		-18	.61	45.65	54	-8.35	-	-	242	124	V

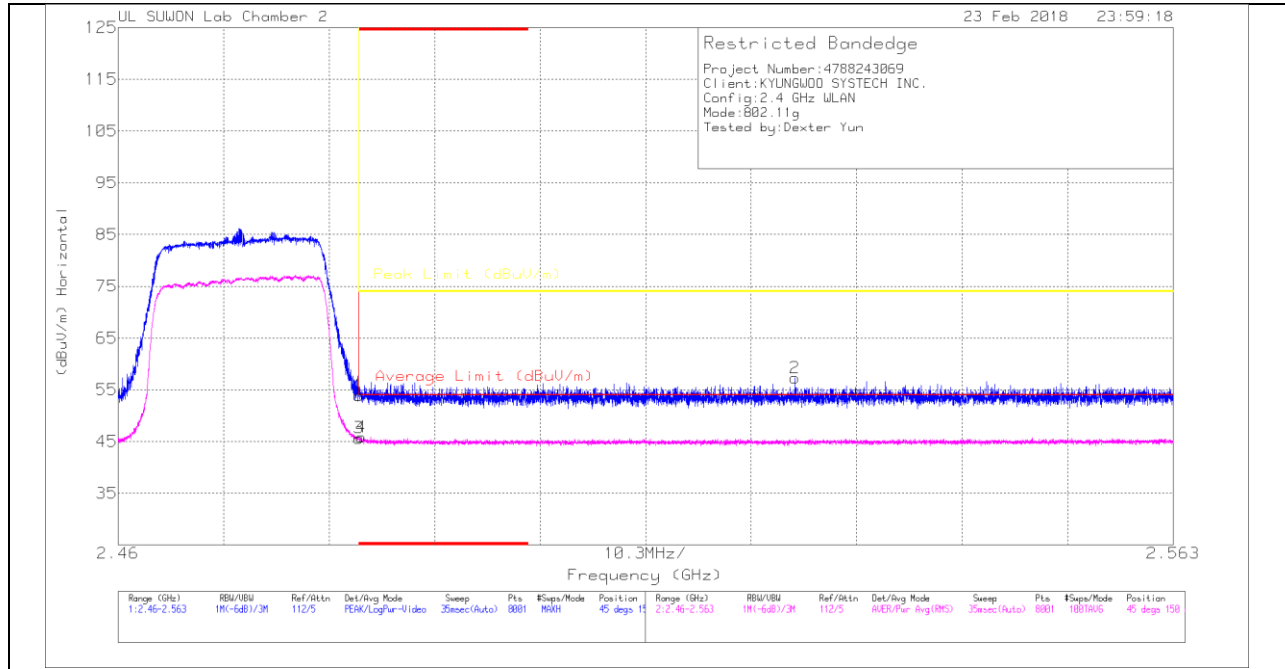
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2472 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

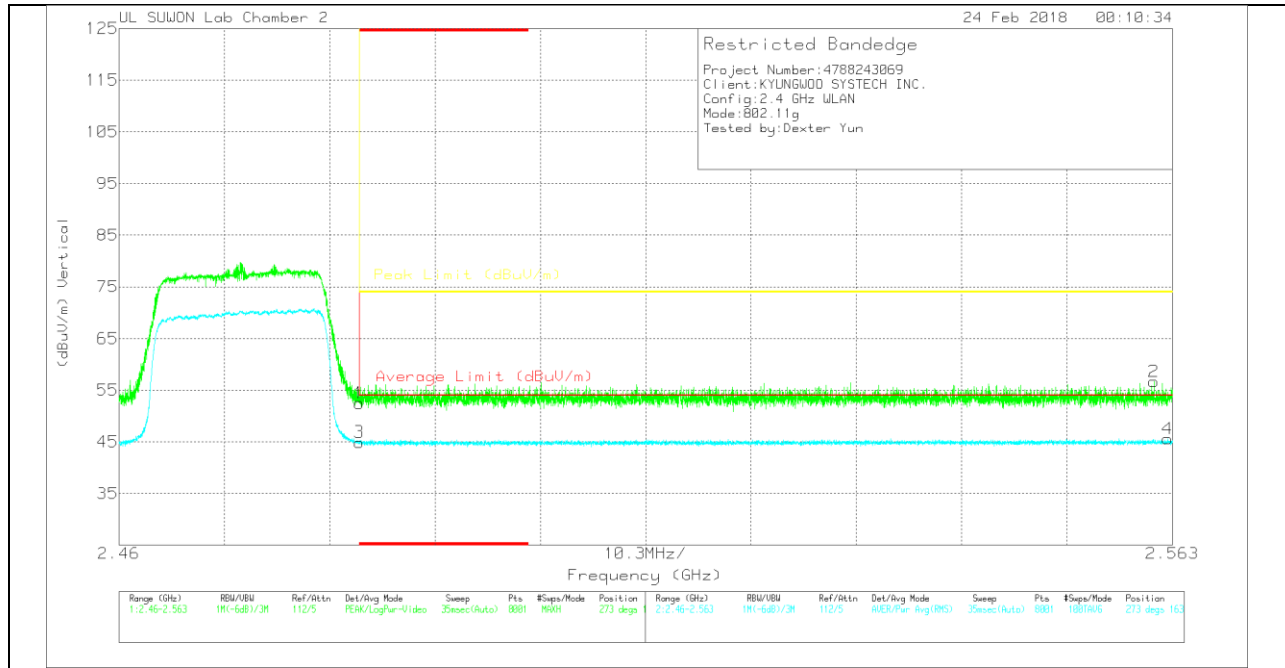
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.34	Pk	31.6	-18	0	53.94	-	-	74	-20.06	45	150	H
2	2.526	43.59	Pk	31.7	-18	0	57.29	-	-	74	-16.71	45	150	H
3	* 2.484	31.47	RMS	31.6	-18	.61	45.68	54	-8.32	-	-	45	150	H
4	* 2.484	31.65	RMS	31.6	-18	.61	45.86	54	-8.14	-	-	45	150	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	170531_3117[001687Z4]	10dB[dB]	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	* 2.484	38.9	Pk		-18	0	52.5	-	-	74	-21.5	273	163	V
2	2.561	42.96	Pk		-18	0	56.66	-	-	74	-17.34	273	163	V
3	* 2.484	30.73	RMS		-18	.61	44.94	54	-9.06	-	-	273	163	V
4	2.563	31.21	RMS		-18	.61	45.62	54	-8.38	-	-	273	163	V

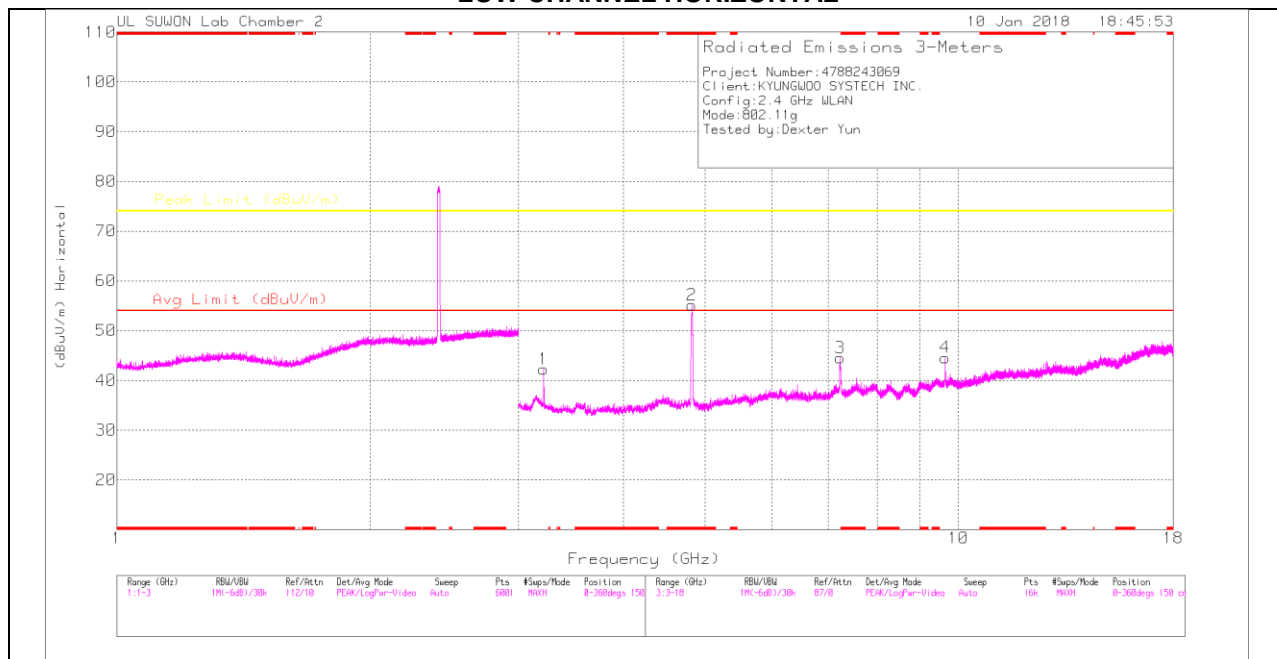
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

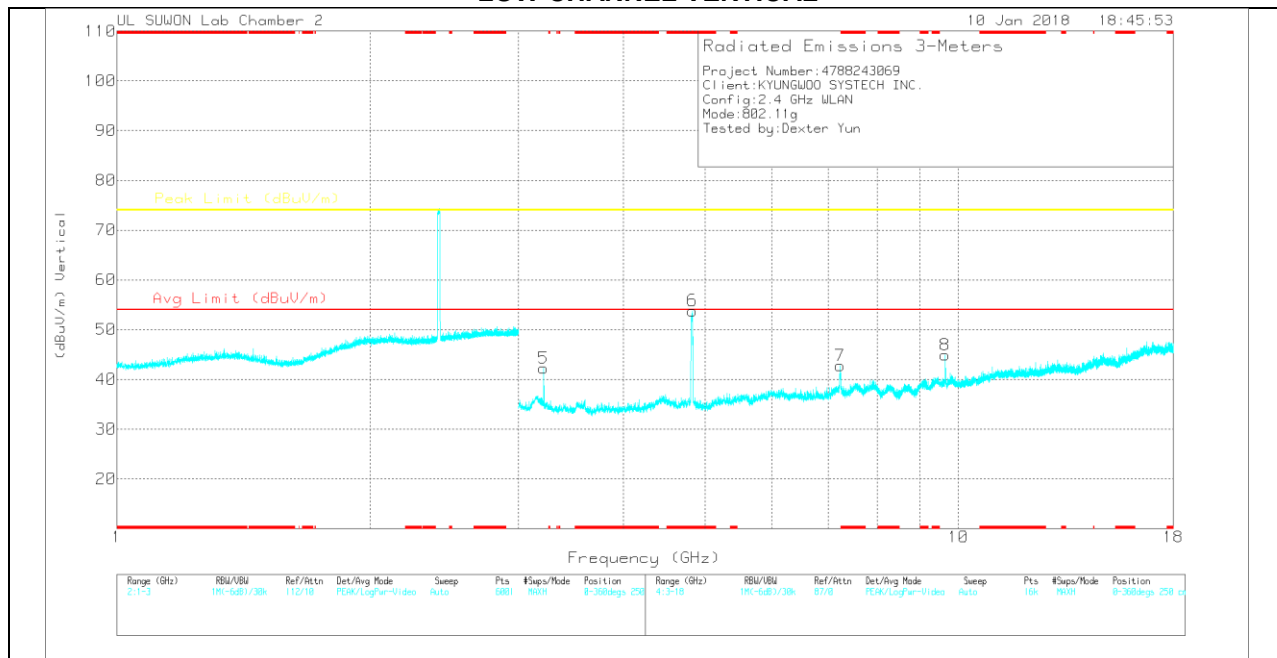
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; 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	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.216	34.87	Pk	33.2	-25.8	0	42.27	-	-	74	-31.73	0-360	150	H
2	* 4.823	45.61	Pk	33.8	-24.3	0	55.11	-	-	74	-18.89	0-360	250	H
3	7.234	30.59	Pk	35.9	-21.9	0	44.59	-	-	74	-29.41	0-360	150	H
4	9.647	26.1	Pk	36.8	-18.3	0	44.6	-	-	74	-29.4	0-360	150	H
5	3.216	34.82	Pk	33.2	-25.8	0	42.22	-	-	74	-31.78	0-360	150	V
6	* 4.826	44.33	Pk	33.8	-24.3	0	53.83	-	-	74	-20.17	0-360	250	V
7	7.235	28.8	Pk	35.9	-21.9	0	42.8	-	-	74	-31.2	0-360	250	V
8	9.647	26.47	Pk	36.8	-18.3	0	44.97	-	-	74	-29.03	0-360	150	V

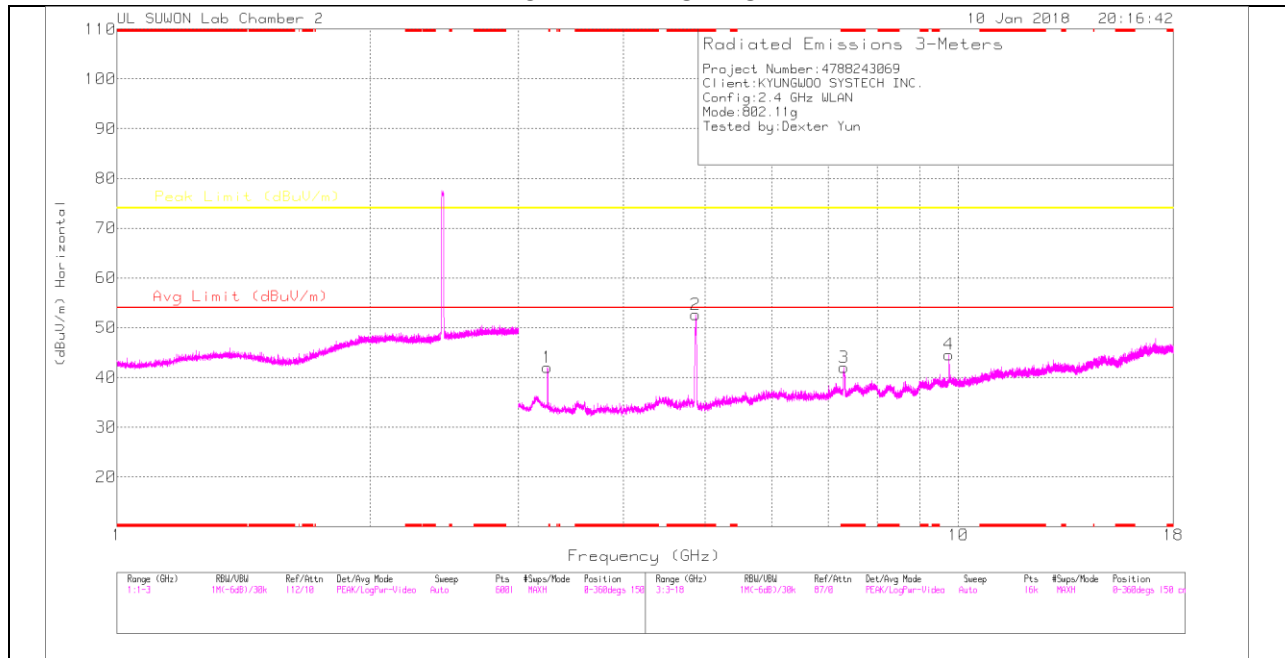
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

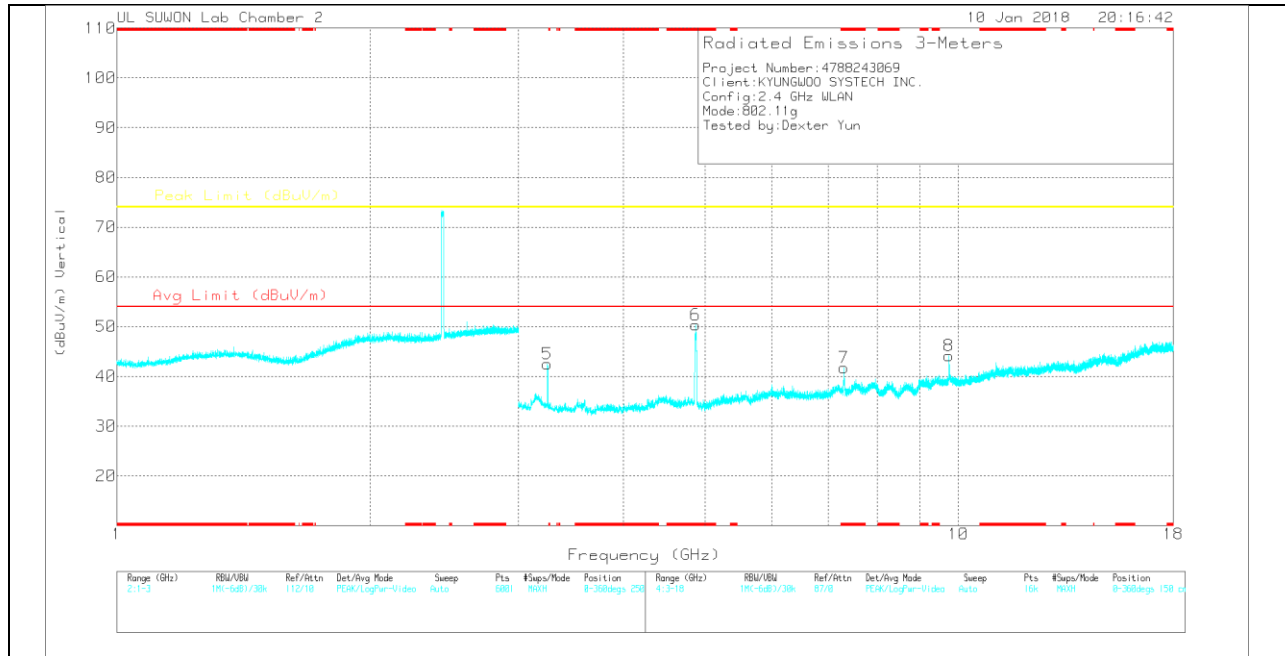
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.216	40.67	PK2	33.2	-25.8	0	48.07	-	-	74	-25.93	168	112	H
* 4.821	54.12	PK2	33.8	-24.3	0	63.62	-	-	74	-10.38	139	137	H
* 4.824	40.53	MAv1	33.8	-24.3	.61	50.64	54	-3.36	-	-	139	137	H
9.848	31.79	PK2	37	-17.9	0	50.89	-	-	74	-23.11	158	100	H
3.216	40.58	PK2	33.2	-25.8	0	47.98	-	-	74	-26.02	143	126	V
* 4.821	53.86	PK2	33.8	-24.3	0	63.36	-	-	74	-10.64	111	253	V
* 4.823	39.96	MAv1	33.8	-24.3	.61	50.07	54	-3.93	-	-	111	253	V
9.848	31.18	PK2	37	-17.9	0	50.28	-	-	74	-23.72	355	144	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; 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	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.248	35.17	Pk	32.7	-25.9	0	41.97	-	-	74	-32.03	0-360	250	H
2	* 4.869	43.38	Pk	33.8	-24.5	0	52.68	-	-	74	-21.32	0-360	250	H
3	* 7.309	28.15	Pk	35.9	-22	0	42.05	-	-	74	-31.95	0-360	250	H
4	9.748	25.8	Pk	36.9	-18.1	0	44.6	-	-	74	-29.4	0-360	150	H
5	3.248	35.66	Pk	32.7	-25.9	0	42.46	-	-	74	-31.54	0-360	150	V
6	* 4.872	41.07	Pk	33.8	-24.5	0	50.37	-	-	74	-23.63	0-360	250	V
7	* 7.311	27.84	Pk	35.9	-22	0	41.74	-	-	74	-32.26	0-360	250	V
8	9.748	25.37	Pk	36.9	-18.1	0	44.17	-	-	74	-29.83	0-360	250	V

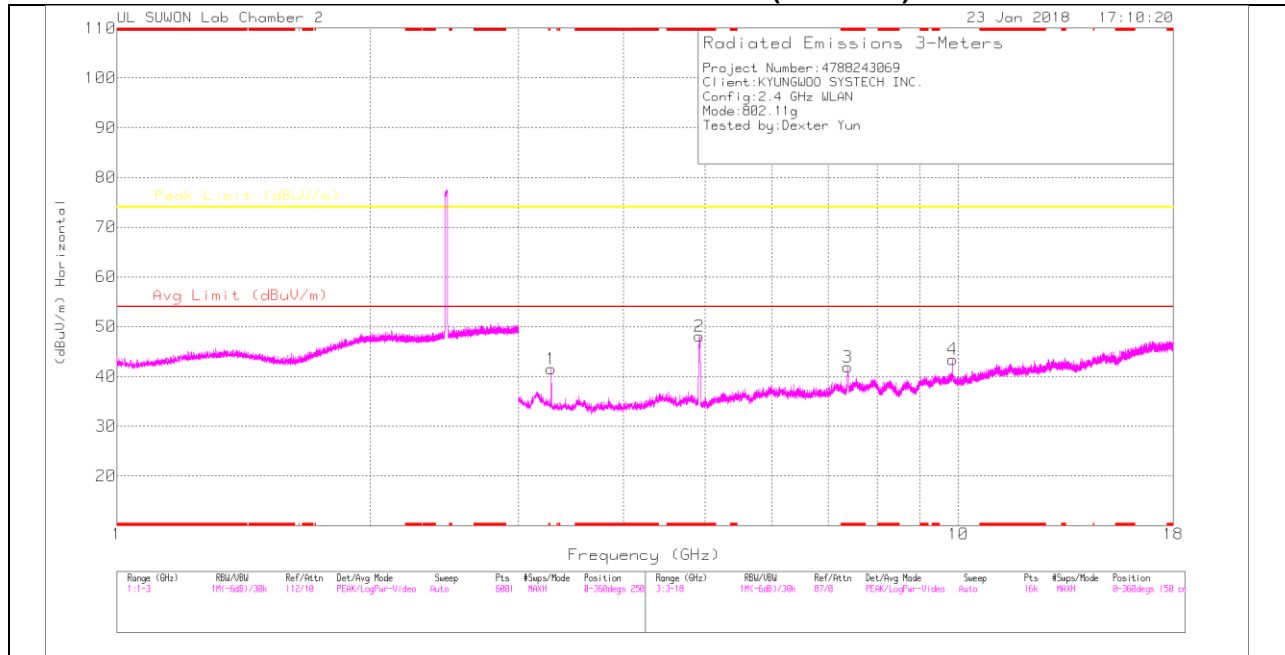
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

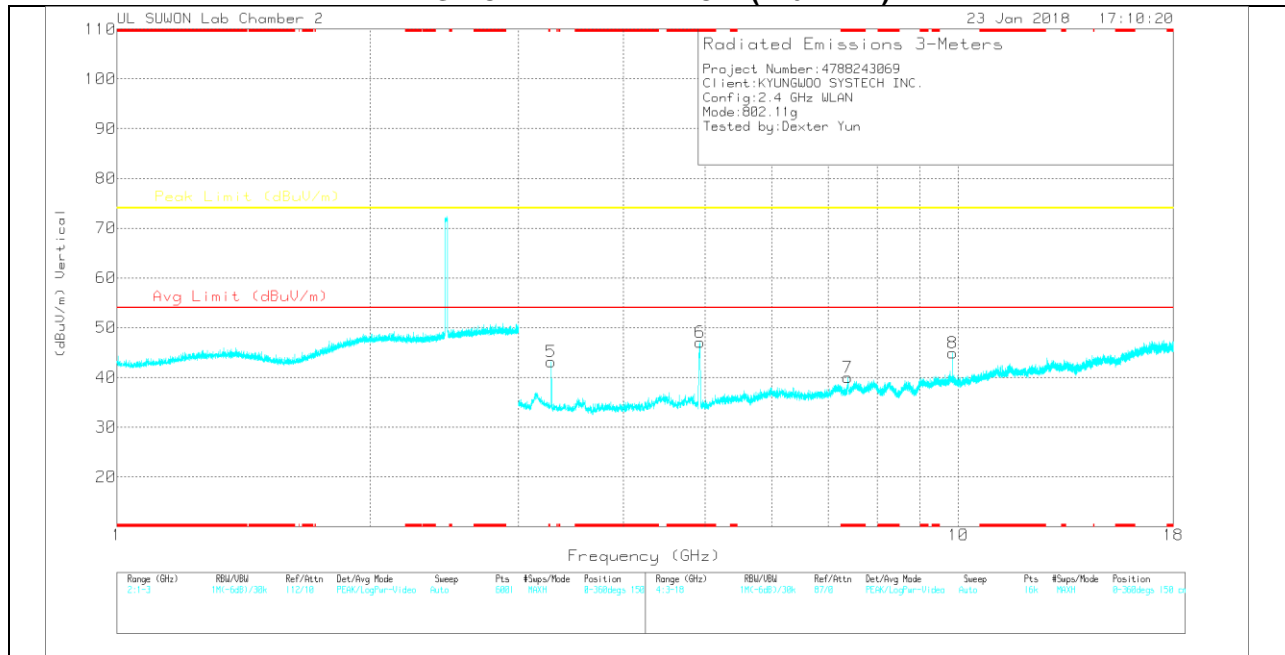
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87	53.9	PK2	33.8	-24.5	0	63.2	-	-	74	-10.8	145	100	H
* 4.873	40.05	MAv1	33.8	-24.5	.61	49.96	54	-4.04	-	-	145	100	H
* 7.301	37.31	PK2	35.9	-22	0	51.21	-	-	74	-22.79	157	103	H
* 7.311	24.95	MAv1	35.9	-22	.61	39.46	54	-14.54	-	-	157	103	H
* 4.87	50.13	PK2	33.8	-24.5	0	59.43	-	-	74	-14.57	109	262	V
* 4.873	36.34	MAv1	33.8	-24.5	.61	46.25	54	-7.75	-	-	109	262	V
* 7.309	36.58	PK2	35.9	-22	0	50.48	-	-	74	-23.52	239	150	V
* 7.31	24.19	MAv1	35.9	-22	.61	38.7	54	-15.3	-	-	239	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2462 MHz)



HIGH CHANNEL VERTICAL(2462 MHz)



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA(2462 MHz)

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.282	34.77	Pk	32.6	-25.9	0	41.47	-	-	74	-32.53	0-360	250	H
2	* 4.923	39.01	Pk	33.8	-24.7	0	48.11	-	-	74	-26.89	0-360	250	H
3	* 7.381	27.46	Pk	35.9	-21.5	0	41.86	-	-	74	-32.14	0-360	250	H
4	9.848	24.36	Pk	37	-17.9	0	43.46	-	-	74	-30.54	0-360	150	H
5	3.282	36.4	Pk	32.6	-25.9	0	43.1	-	-	74	-30.9	0-360	150	V
6	* 4.927	37.92	Pk	33.8	-24.7	0	47.02	-	-	74	-26.98	0-360	250	V
7	* 7.383	25.51	Pk	35.9	-21.4	0	40.01	-	-	74	-33.99	0-360	250	V
8	9.848	25.84	Pk	37	-17.9	0	44.94	-	-	74	-29.06	0-360	150	V

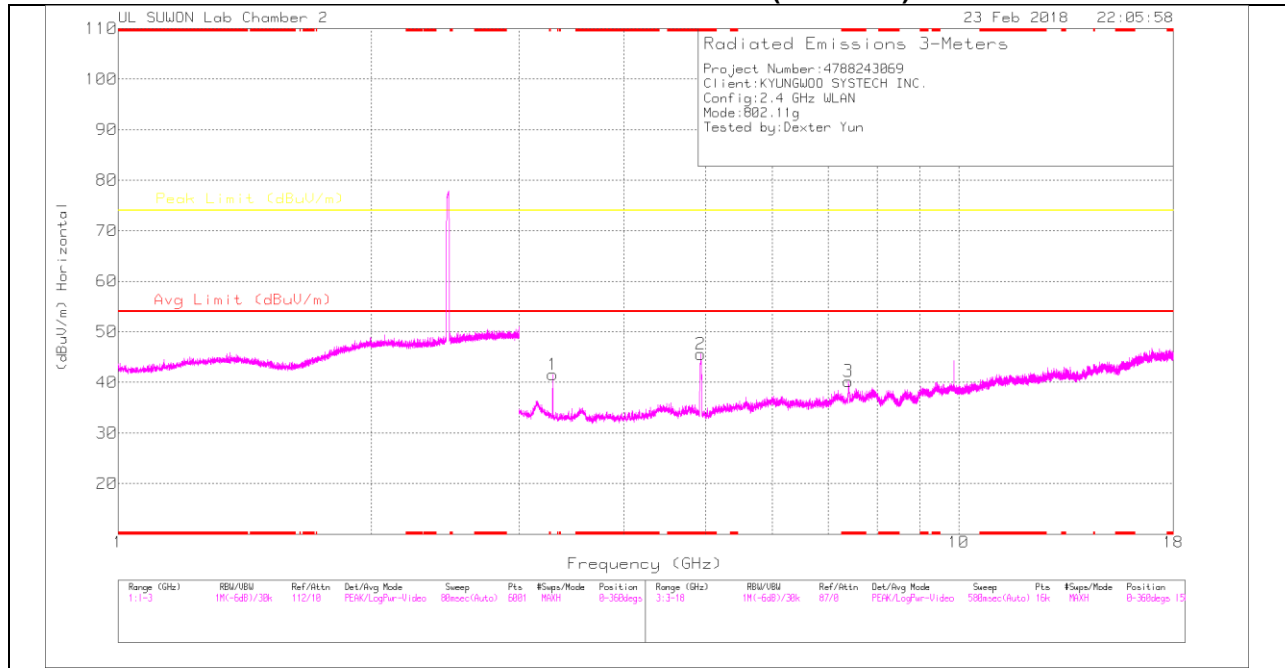
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

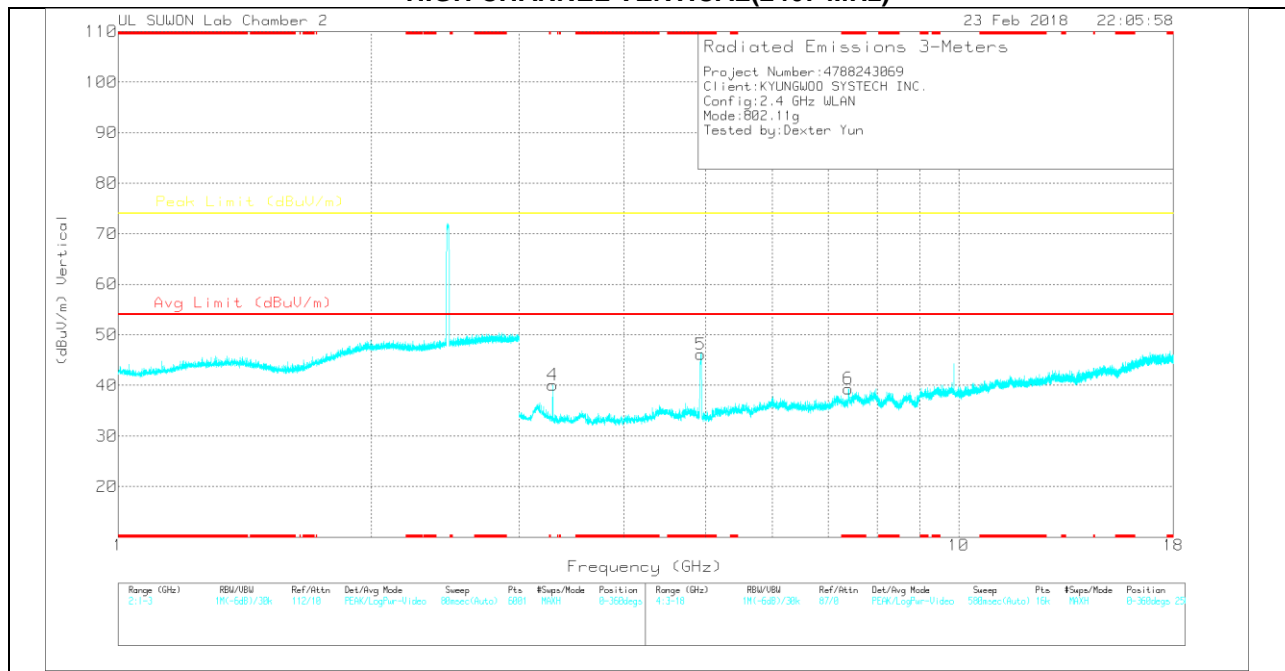
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.921	49.75	PK2	33.8	-24.7	0	58.85	-	-	74	-15.15	158	316	H
* 4.924	36.03	MAv1	33.8	-24.7	.61	45.74	54	-8.26	-	-	158	316	H
* 7.391	36.45	PK2	35.9	-21.3	0	51.05	-	-	74	-22.95	346	117	H
* 7.388	24.38	MAv1	35.9	-21.4	.61	39.49	54	-14.51	-	-	346	117	H
* 4.921	49.3	PK2	33.8	-24.7	0	58.4	-	-	74	-15.6	153	400	V
* 4.924	35.67	MAv1	33.8	-24.7	.61	45.38	54	-8.62	-	-	153	400	V
* 7.389	34.71	PK2	35.9	-21.4	0	49.21	-	-	74	-24.79	280	111	V
* 7.385	22.52	MAv1	35.9	-21.4	.61	37.63	54	-16.37	-	-	280	111	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2467 MHz)



HIGH CHANNEL VERTICAL(2467 MHz)



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA(2467 MHz)

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.289	34.95	Avg	32.5	-25.9	0	41.55	-	-	74	-32.45	0-360	150	H
2	* 4.932	36.5	Avg	33.8	-24.7	0	45.6	-	-	74	-28.4	0-360	250	H
3	* 7.394	25.61	Avg	35.9	-21.3	0	40.21	-	-	74	-33.79	0-360	250	H
4	3.289	33.48	Avg	32.5	-25.9	0	40.08	-	-	74	-33.92	0-360	250	V
5	* 4.93	37.02	Avg	33.8	-24.7	0	46.12	-	-	74	-27.88	0-360	250	V
6	* 7.396	24.75	Avg	35.9	-21.3	0	39.35	-	-	74	-34.65	0-360	150	V

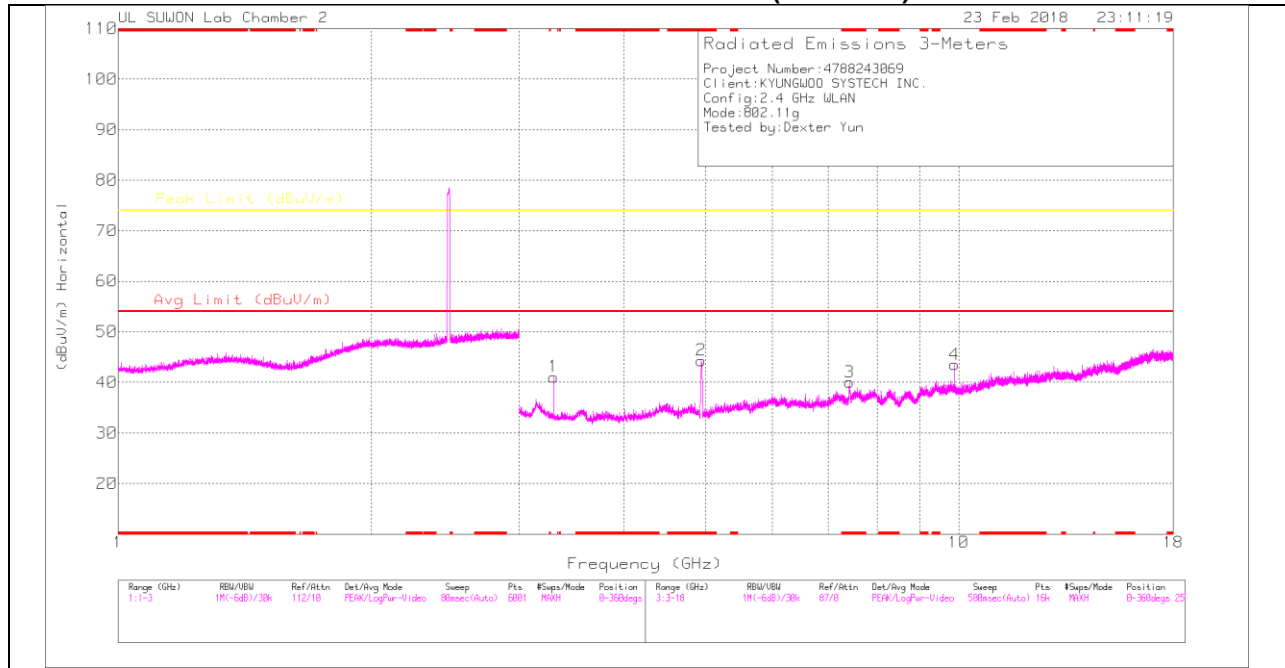
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

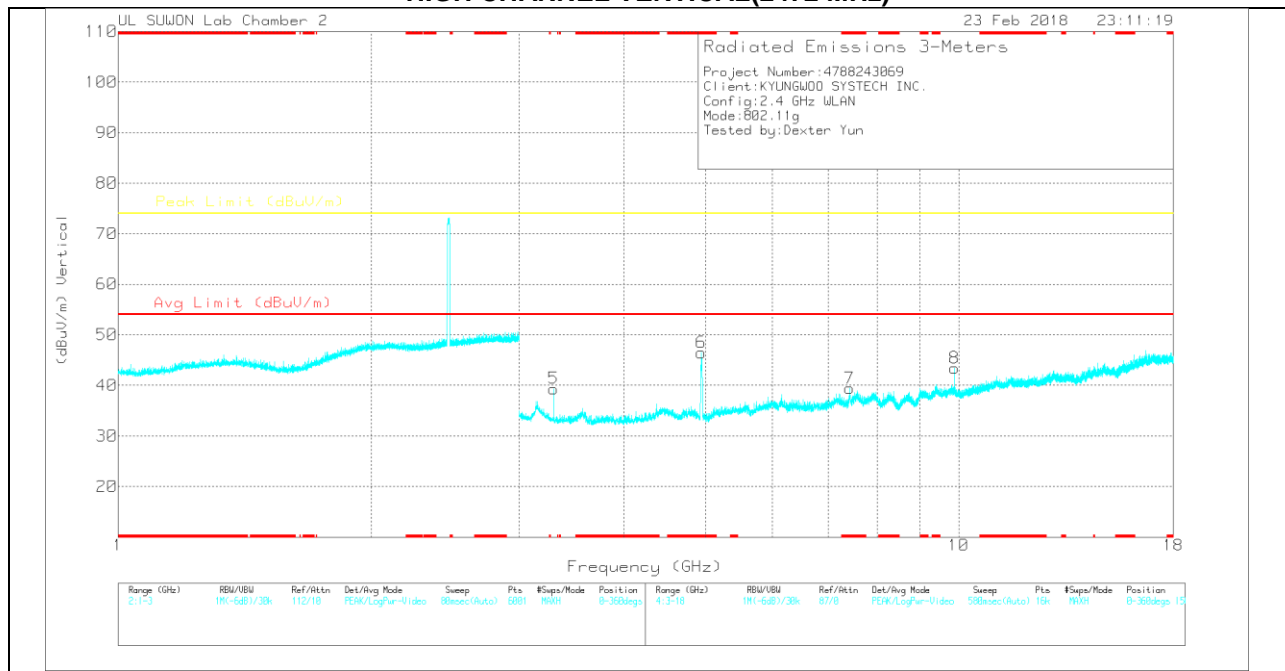
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.931	47.37	PK2	33.8	-24.7	0	56.47	-	-	74	-17.53	126	116	H
* 4.934	33.83	MAv1	33.8	-24.7	.61	43.54	54	-10.46	-	-	126	116	H
* 7.396	34.82	PK2	35.9	-21.3	0	49.42	-	-	74	-24.58	102	229	H
* 7.4	22.8	MAv1	35.9	-21.3	.61	38.01	54	-15.99	-	-	102	229	H
* 4.931	47.48	PK2	33.8	-24.7	0	56.58	-	-	74	-17.42	205	147	V
* 4.933	33.53	MAv1	33.8	-24.7	.61	43.24	54	-10.76	-	-	205	147	V
* 7.4	35.28	PK2	35.9	-21.3	0	49.88	-	-	74	-24.12	244	109	V
* 7.4	22.81	MAv1	35.9	-21.3	.61	38.02	54	-15.98	-	-	244	109	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2472 MHz)



HIGH CHANNEL VERTICAL(2472 MHz)



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA(2472 MHz)

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.295	34.5	Avg	32.5	-25.9	0	41.1	-	-	74	-32.9	0-360	150	H
2	* 4.941	35.33	Avg	33.8	-24.8	0	44.33	-	-	74	-29.67	0-360	150	H
3	* 7.416	25.31	Avg	35.9	-21.2	0	40.01	-	-	74	-33.99	0-360	250	H
4	9.887	24.43	Avg	37.1	-18	0	43.53	-	-	74	-30.47	0-360	150	H
5	3.295	32.76	Avg	32.5	-25.9	0	39.36	-	-	74	-34.64	0-360	250	V
6	* 4.94	37.47	Avg	33.8	-24.8	0	46.47	-	-	74	-27.53	0-360	250	V
7	* 7.417	24.71	Avg	35.9	-21.2	0	39.41	-	-	74	-34.59	0-360	150	V
8	9.887	24.32	Avg	37.1	-18	0	43.42	-	-	74	-30.58	0-360	150	V

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

Radiated Emissions

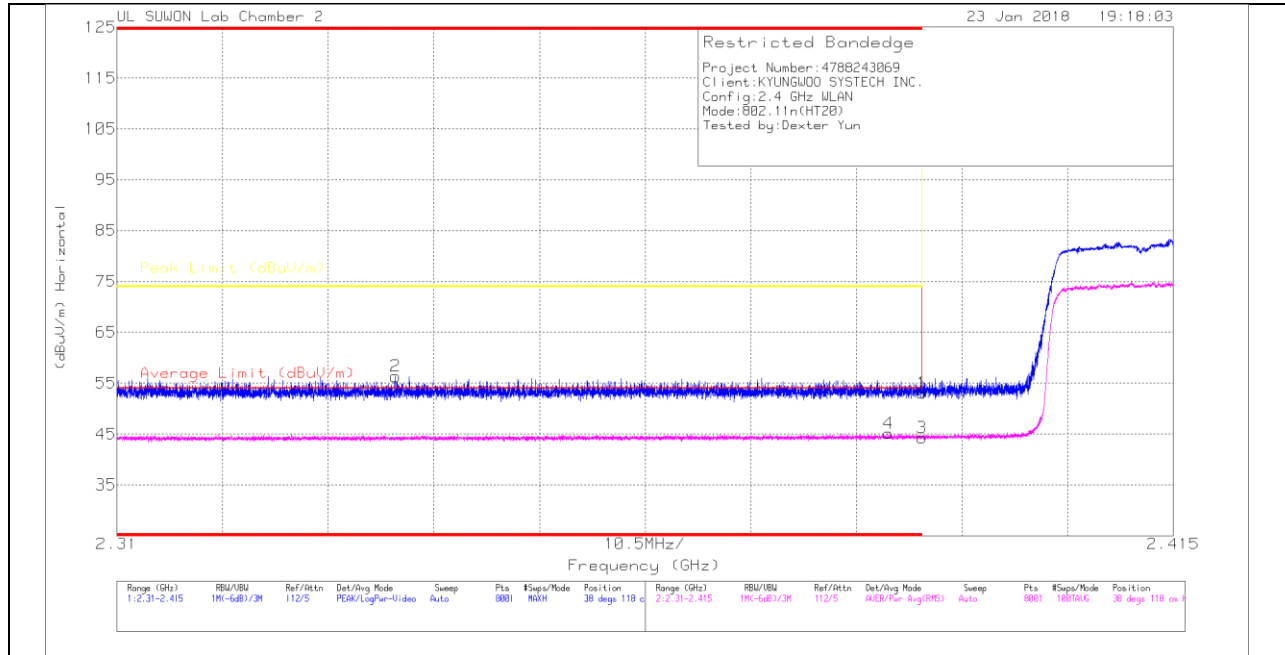
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.941	46.38	PK2	33.8	-24.8	0	55.38	-	-	74	-18.62	132	109	H
* 4.944	32.71	MAv1	33.8	-24.7	.61	42.42	54	-11.58	-	-	132	109	H
* 7.419	34.49	PK2	35.9	-21.2	0	49.19	-	-	74	-24.81	106	239	H
* 7.415	22.28	MAv1	35.9	-21.2	.61	37.59	54	-16.41	-	-	106	239	H
* 4.941	47.13	PK2	33.8	-24.8	0	56.13	-	-	74	-17.87	212	134	V
* 4.943	33.1	MAv1	33.8	-24.7	.61	42.81	54	-11.19	-	-	212	134	V
* 7.425	33.76	PK2	35.9	-21.1	0	48.56	-	-	74	-25.44	247	115	V
* 7.415	21.47	MAv1	35.9	-21.2	.61	36.78	54	-17.22	-	-	247	115	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.3.TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu)	Det	170E31_311700168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40	Pk	31.3	-18.2	0	55.1	-	-	74	-20.9	38	118	H
2	* 2.338	43.43	Pk	31.2	-18.3	0	56.33	-	-	74	-17.67	38	118	H
3	* 2.39	30.41	RMS	31.3	-18.2	63	44.14	54	-9.86	-	-	38	118	H
4	* 2.387	31.34	RMS	31.3	-18.2	63	45.07	54	-8.93	-	-	38	118	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	170531_3117[00168724]	10dB[dB]	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	* 2.39	38.17	Pk		31.3	-18.2	0	51.27	-	74	-22.73	128	171	V
2	* 2.333	43.83	Pk		31.2	-18.4	0	56.63	-	74	-17.37	128	171	V
3	* 2.39	30.51	RMS		31.3	-18.2	63	44.24	54	-9.76	-	128	171	V
4	* 2.388	31.15	RMS		31.3	-18.2	63	44.88	54	-9.12	-	128	171	V

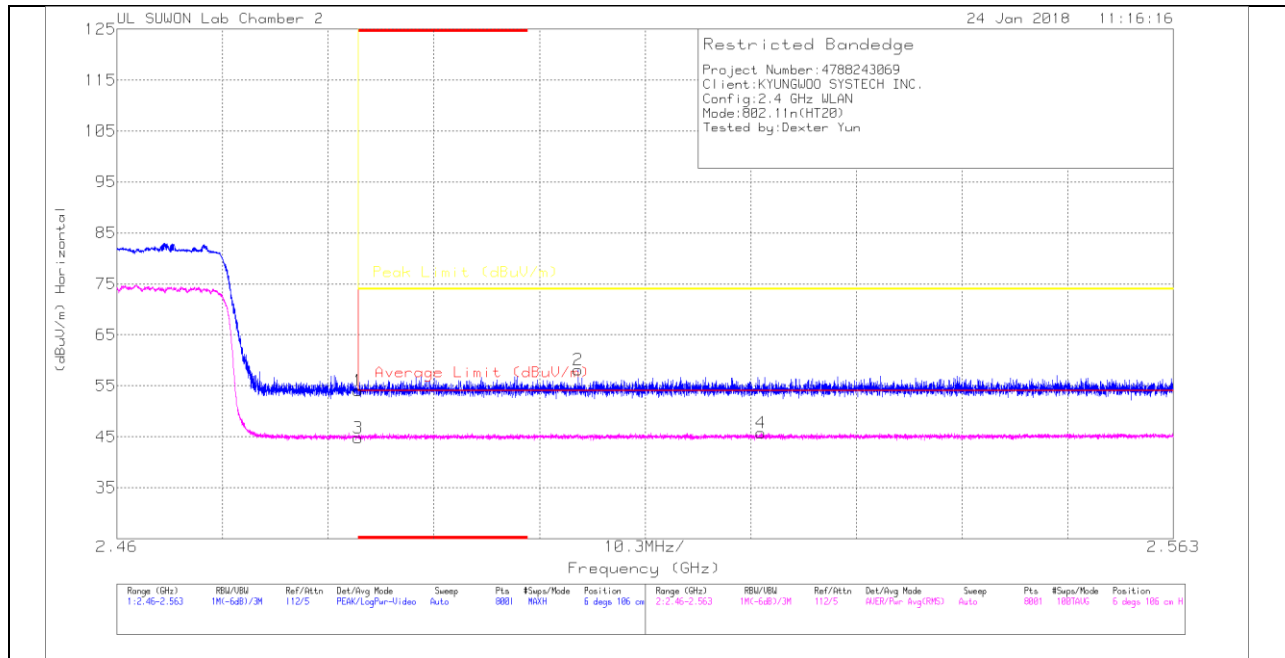
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2462 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

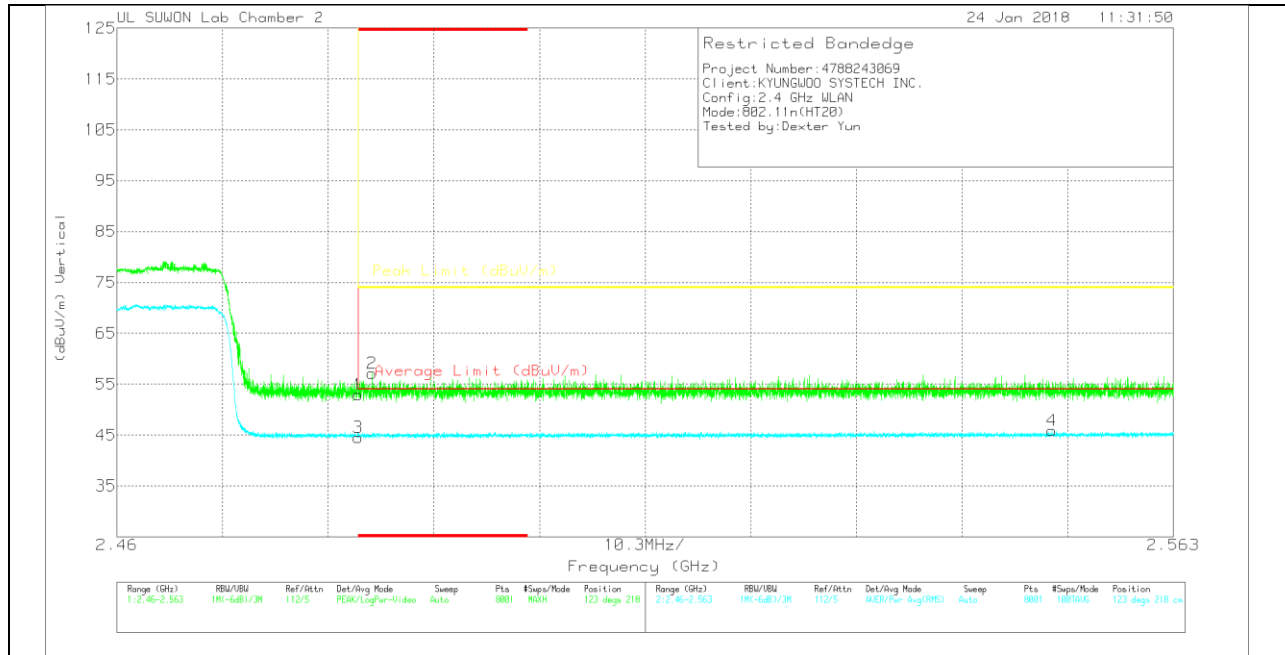
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170631_3117(00168724)	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.45	Pk	31.6	-18	0	54.05	-	-	74	-19.95	6	106	H
2	2.505	44.47	Pk	31.6	-18	0	58.07	-	-	74	-15.93	6	106	H
3	* 2.484	30.48	RMS	31.6	-18	63	44.71	54	-9.29	-	-	6	106	H
4	2.523	31.44	RMS	31.6	-18	63	45.67	54	-8.33	-	-	6	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 (dBu/m)	Det	170531_3117[00168724]	10dB[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.28	Pk		31.6	-18	52.88	-	-	74	-21.12	123	218	V
2	* 2.485	43.54	Pk		31.6	-18	57.14	-	-	74	-16.86	123	218	V
3	* 2.484	30.25	RMS		31.6	-18	44.48	54	-9.52	-	-	123	218	V
4	2.551	31.49	RMS		31.7	-18	45.82	54	-8.18	-	-	123	218	V

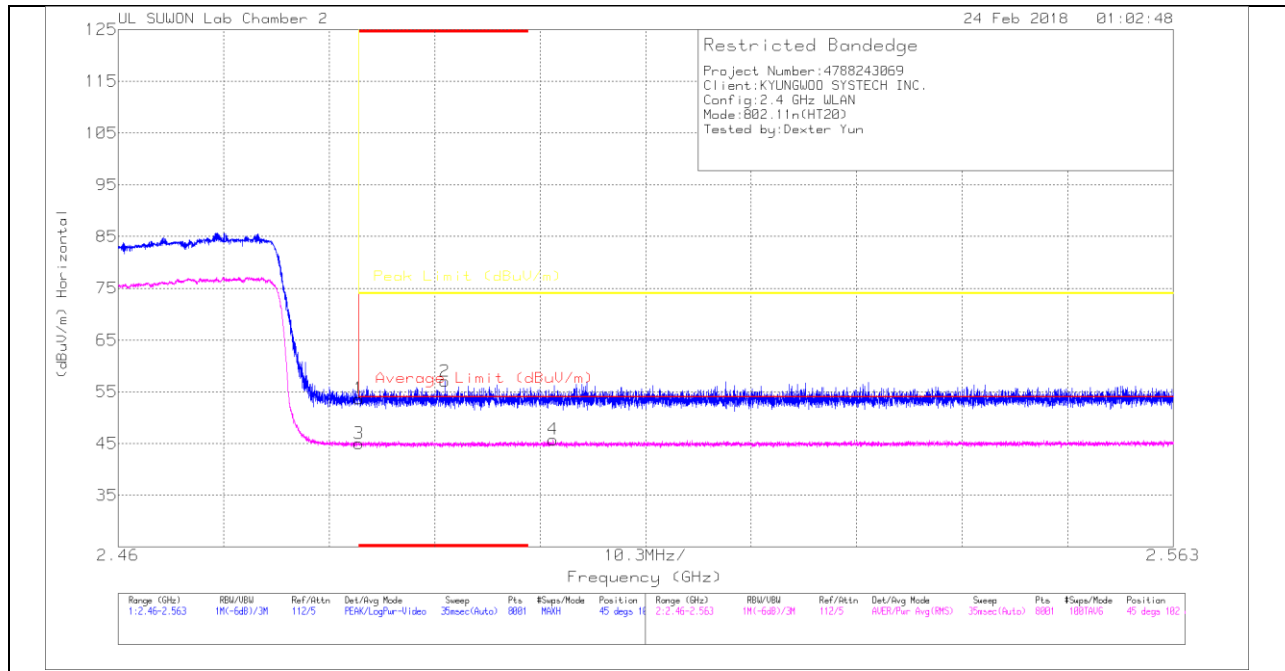
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2467 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



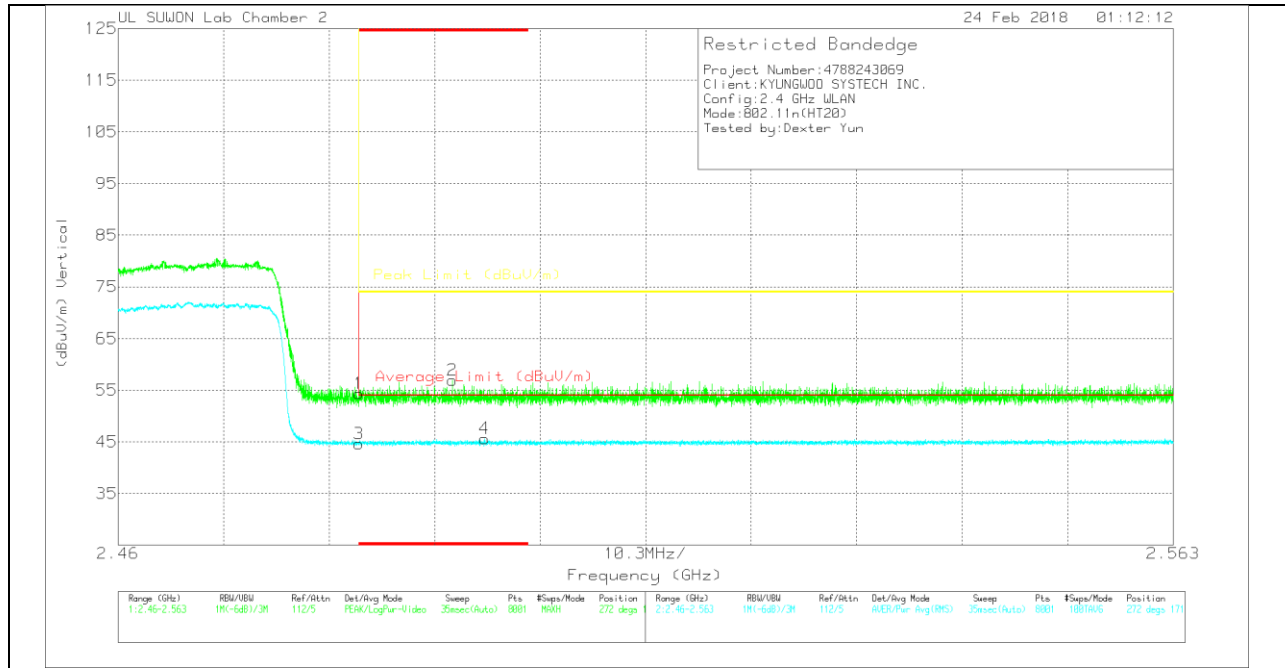
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	10dB(dB)	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	* 2.484	40.1	Pk	31.6	-18	0	53.7	-	-	74	-20.3	45	102	H
2	* 2.492	43.46	Pk	31.6	-18	0	57.06	-	-	74	-16.94	45	102	H
3	* 2.484	30.8	RMS	31.6	-18	.63	45.03	54	-8.97	-	-	45	102	H
4	2.502	31.56	RMS	31.6	-18	.63	45.79	54	-8.21	-	-	45	102	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	170531_3117[001687Z4]	10dB[dB]	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	* 2.484	40.79	Pk		-18	0	54.39	-	-	74	-19.61	272	171	V
2	* 2.493	43.3	Pk		-18	0	56.9	-	-	74	-17.1	272	171	V
3	* 2.484	30.4	RMS		-18	.63	44.63	54	-9.37	-	-	272	171	V
4	* 2.496	31.41	RMS		-18	.63	45.64	54	-8.36	-	-	272	171	V

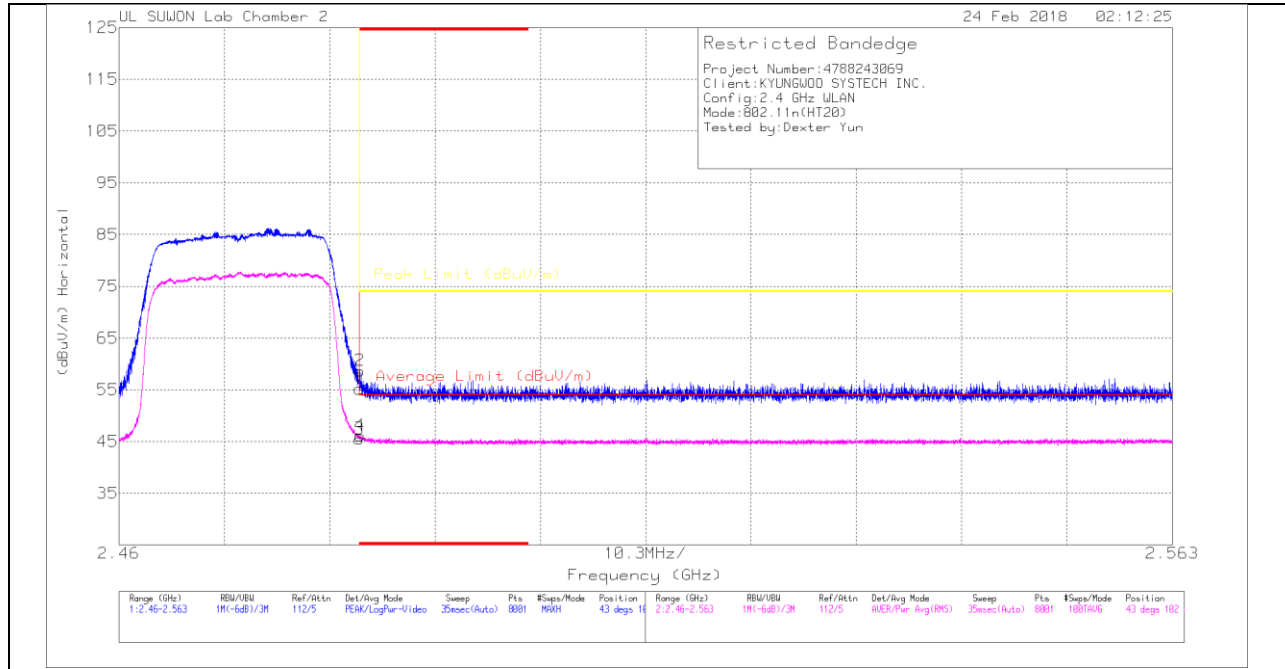
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2472 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



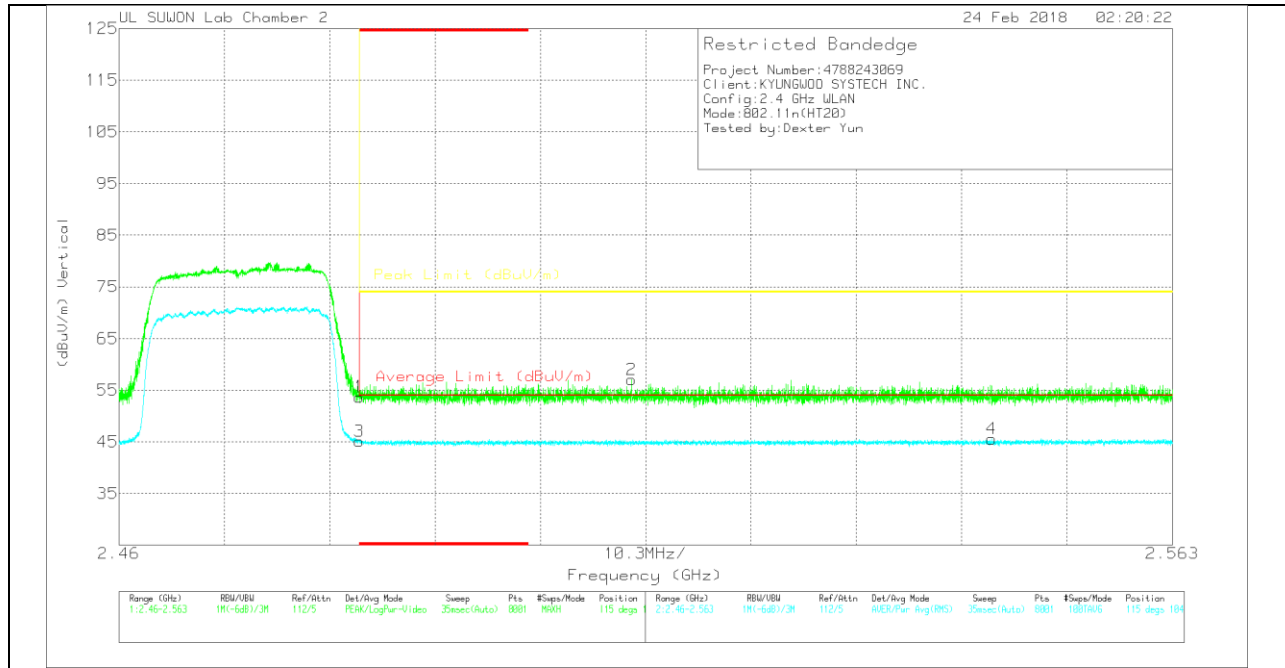
HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	10dB(dB)	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	* 2.484	41.59	Pk	31.6	-18	0	55.19	-	-	74	-18.81	43	102	H
2	* 2.484	45.1	Pk	31.6	-18	0	58.7	-	-	74	-15.3	43	102	H
3	* 2.484	31.3	RMS	31.6	-18	.63	45.53	54	-8.47	-	-	43	102	H
4	* 2.484	31.93	RMS	31.6	-18	.63	46.16	54	-7.84	-	-	43	102	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	170531_3117[001687Z4]	10dB[dB]	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	* 2.484	40.07	Pk		-18	0	53.67	-	-	74	-20.33	115	104	V
2	2.51	43.44	Pk		-18	0	57.04	-	-	74	-16.96	115	104	V
3	* 2.484	30.89	RMS		-18	.63	45.12	54	-8.88	-	-	115	104	V
4	2.545	31.24	RMS		-18	.63	45.57	54	-8.43	-	-	115	104	V

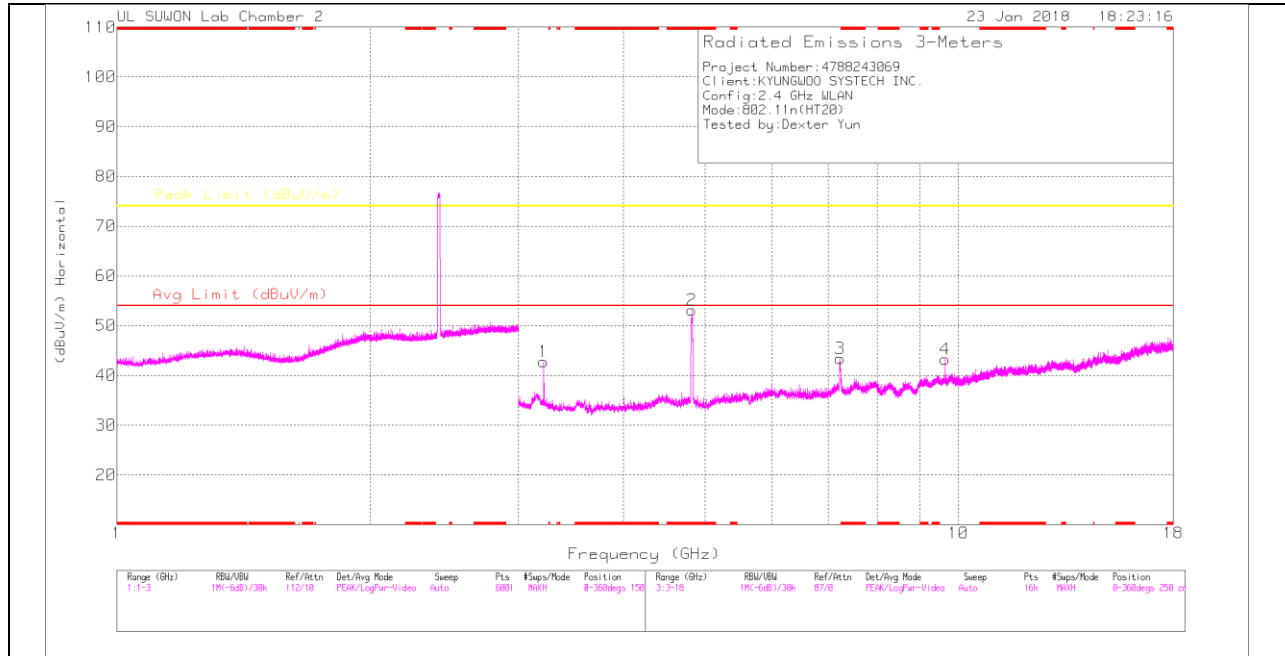
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

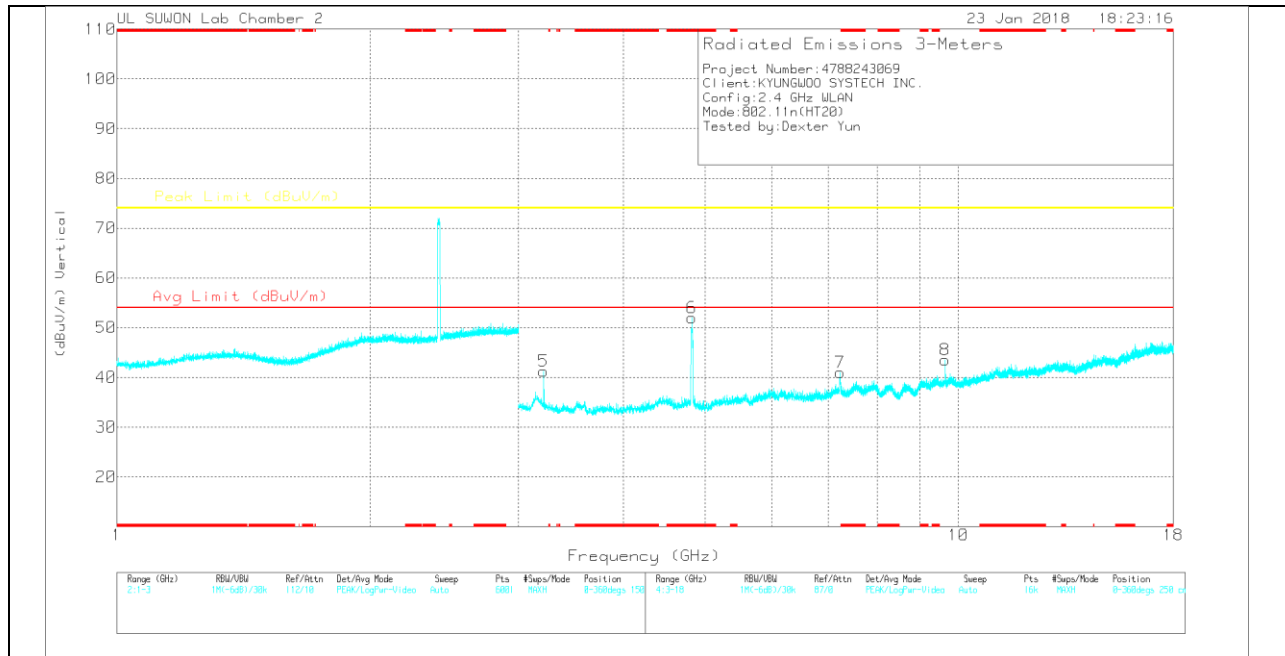
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; 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	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.216	35.35	PK	33.2	-25.8	0	42.75	-	-	74	-31.25	0-360	150	H
2	* 4.821	43.66	PK	33.8	-24.3	0	53.16	-	-	74	-20.84	0-360	250	H
3	7.237	29.55	PK	35.9	-22	0	43.45	-	-	74	-30.55	0-360	250	H
4	9.647	24.75	PK	36.8	-18.3	0	43.25	-	-	74	-30.75	0-360	150	H
5	3.216	33.8	PK	33.2	-25.8	0	41.2	-	-	74	-32.8	0-360	250	V
6	* 4.823	42.45	PK	33.8	-24.3	0	51.95	-	-	74	-22.05	0-360	250	V
7	7.239	27.15	PK	35.9	-22	0	41.05	-	-	74	-32.95	0-360	150	V
8	9.647	25.06	PK	36.8	-18.3	0	43.56	-	-	74	-30.44	0-360	150	V

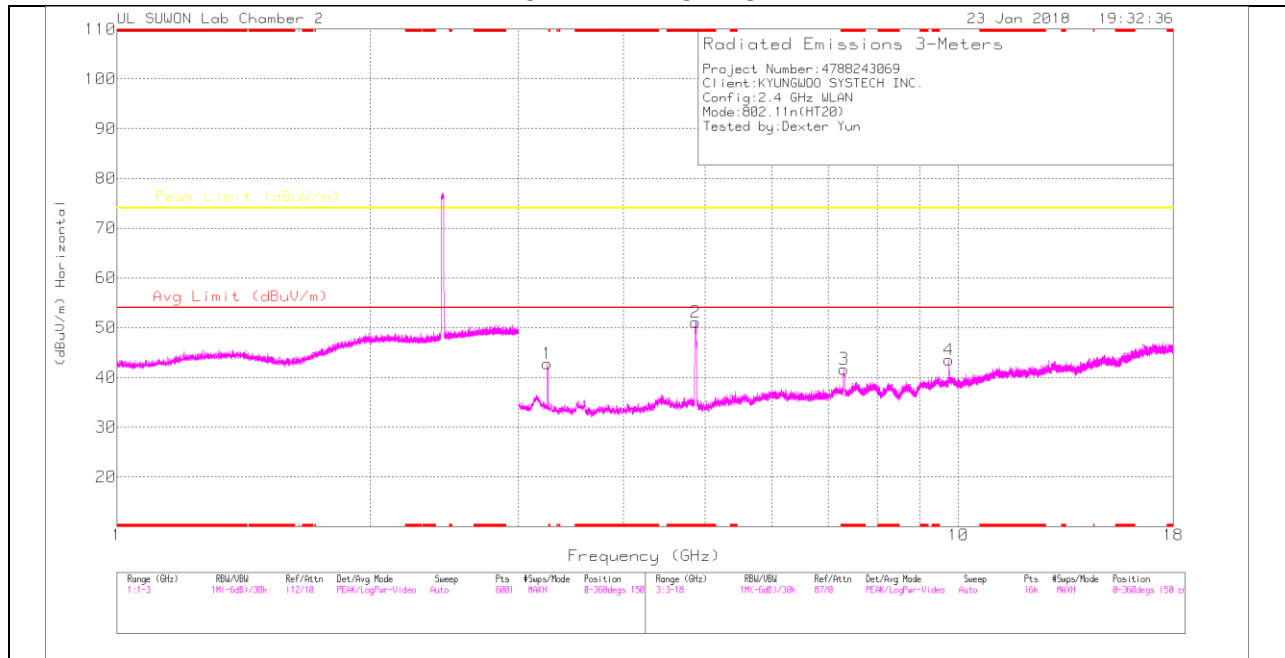
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

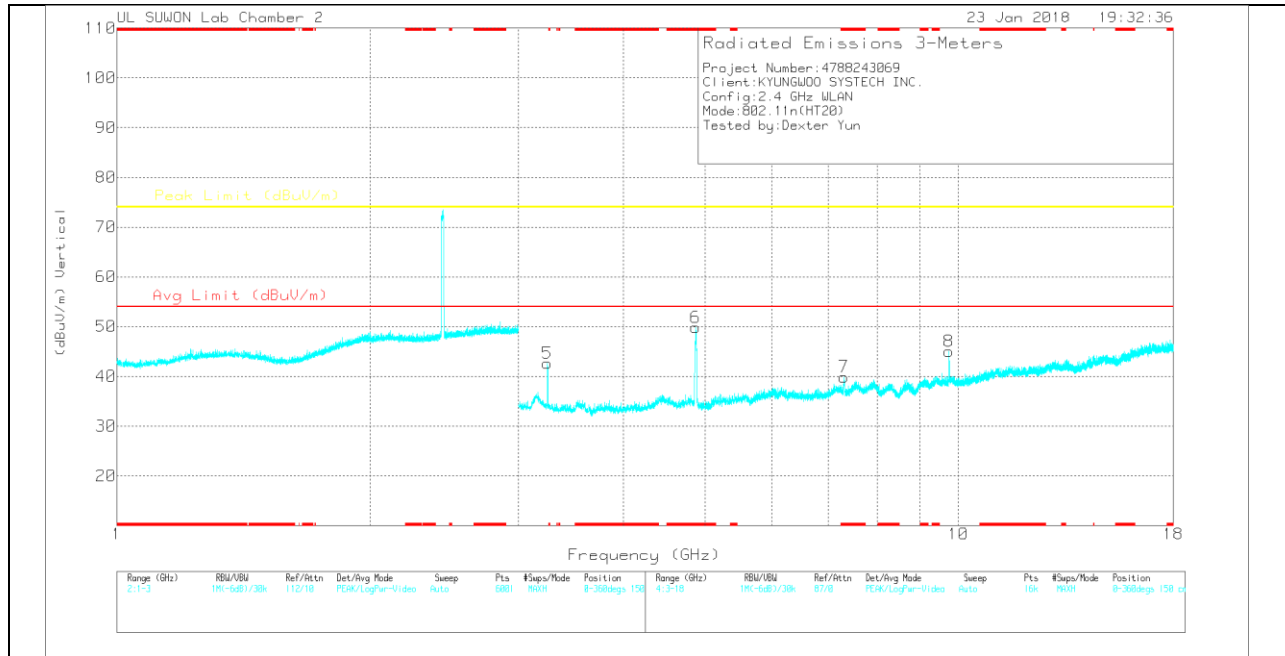
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.826	52.45	PK2	33.8	-24.3	0	61.95	-	-	74	-12.05	147	123	H
* 4.823	40.17	MAv1	33.8	-24.3	.63	50.3	54	-3.7	-	-	147	123	H
* 7.301	37.31	PK2	35.9	-22	0	51.21	-	-	74	-22.79	157	103	H
* 7.311	24.95	MAv1	35.9	-22	.63	39.48	54	-14.52	-	-	157	103	H
* 4.826	49.57	PK2	33.8	-24.3	0	59.07	-	-	74	-14.93	122	252	V
* 4.822	37.09	MAv1	33.8	-24.3	.63	47.22	54	-6.78	-	-	122	252	V
* 7.309	36.58	PK2	35.9	-22	0	50.48	-	-	74	-23.52	239	150	V
* 7.31	24.19	MAv1	35.9	-22	.63	38.72	54	-15.28	-	-	239	150	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; 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	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
1	3.248	35.93	PK		32.7	-25.9	0	42.73	-	-	74	-31.27	0-360	150	H
2	*4.869	41.85	PK		33.8	-24.5	0	51.15	-	-	74	-22.85	0-360	150	H
3	*7.313	27.79	PK		35.9	-22	0	41.69	-	-	74	-32.31	0-360	150	H
4	9.748	24.68	PK		36.9	-18.1	0	43.48	-	-	74	-30.52	0-360	150	H
5	3.248	35.87	PK		32.7	-25.9	0	42.67	-	-	74	-31.33	0-360	150	V
6	*4.872	40.51	PK		33.8	-24.5	0	49.81	-	-	74	-24.19	0-360	250	V
7	*7.307	26.02	PK		35.9	-22	0	39.92	-	-	74	-34.08	0-360	250	V
8	9.748	26.19	PK		36.9	-18.1	0	44.99	-	-	74	-29.01	0-360	150	V

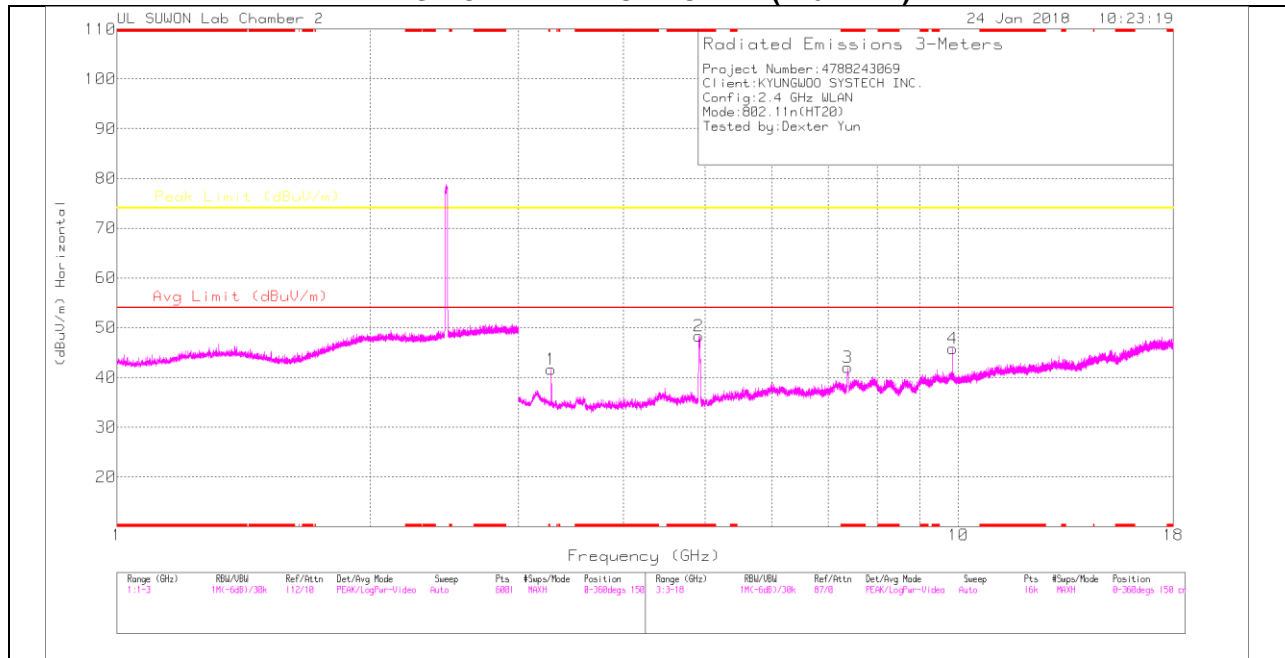
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

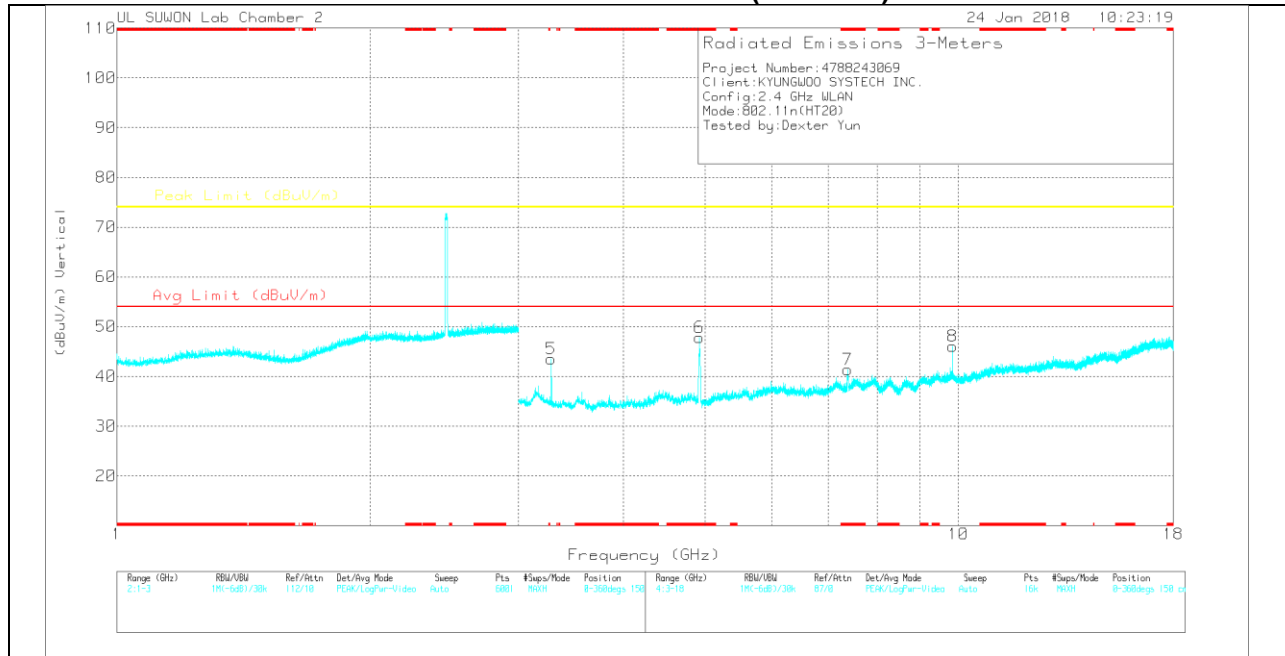
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.876	51.61	PK2		33.8	-24.5	0	60.91	-	-	-13.09	154	286	H
* 4.875	39.62	MAv1		33.8	-24.5	.63	49.55	54	-4.45	-	154	286	H
* 7.312	36.5	PK2		35.9	-22	0	50.4	-	-	-23.6	345	120	H
* 7.313	24.49	MAv1		35.9	-22	.63	39.02	54	-14.98	-	345	120	H
* 4.876	50.45	PK2		33.8	-24.5	0	59.75	-	-	-14.25	148	303	V
* 4.872	38.42	MAv1		33.8	-24.5	.63	48.35	54	-5.65	-	148	303	V
* 7.312	35.84	PK2		35.9	-22	0	49.74	-	-	-24.26	282	108	V
* 7.313	23.47	MAv1		35.9	-22	.63	38	54	-16	-	282	108	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2462 MHz)



HIGH CHANNEL VERTICAL(2462 MHz)



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA(2462 MHz)

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.282	34.96	PK	32.6	-25.9	0	41.66	-	-	74	-32.34	0-360	150	H
2	* 4.917	39.18	PK	33.8	-24.7	0	48.28	-	-	74	-25.72	0-360	150	H
3	* 7.388	27.48	PK	35.9	-21.4	0	41.98	-	-	74	-32.02	0-360	150	H
4	9.848	26.71	PK	37	-17.9	0	45.81	-	-	74	-28.19	0-360	250	H
5	3.282	36.85	PK	33.8	-25.9	0	43.55	-	-	74	-30.45	0-360	250	V
6	* 4.923	38.7	PK	33.8	-24.7	0	47.8	-	-	74	-26.2	0-360	250	V
7	* 7.388	26.82	PK	35.9	-21.4	0	41.32	-	-	74	-32.68	0-360	250	V
8	9.848	26.94	PK	37	-17.9	0	46.04	-	-	74	-27.96	0-360	150	V

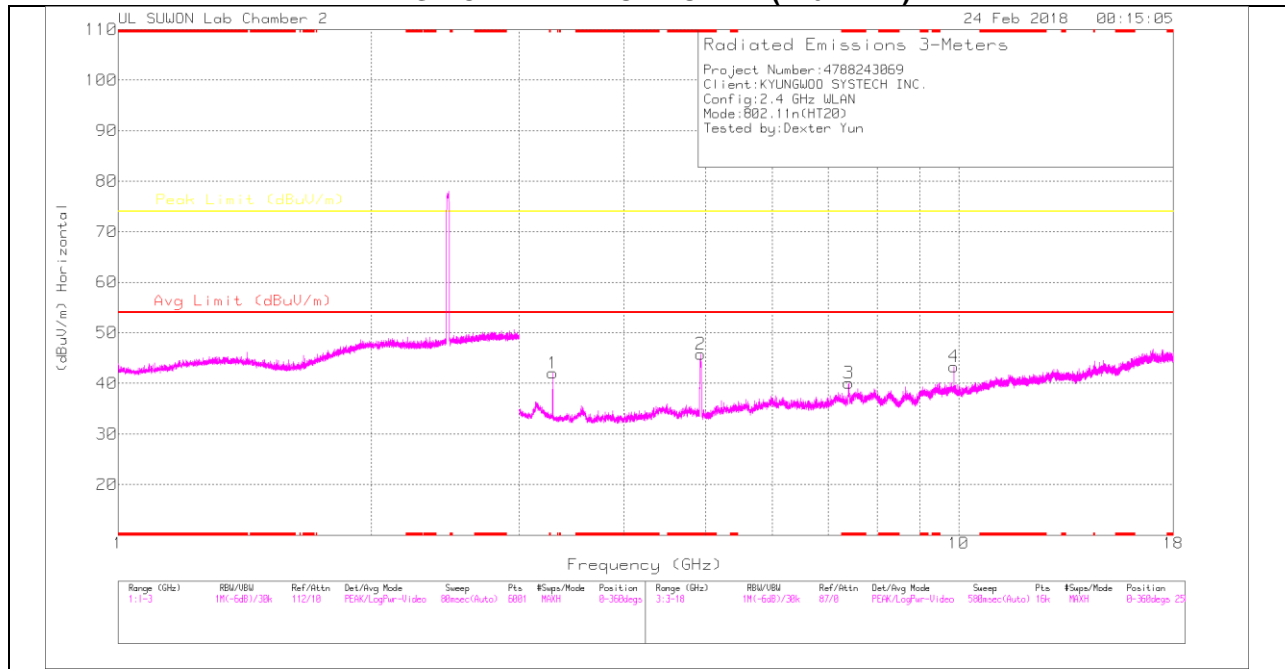
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

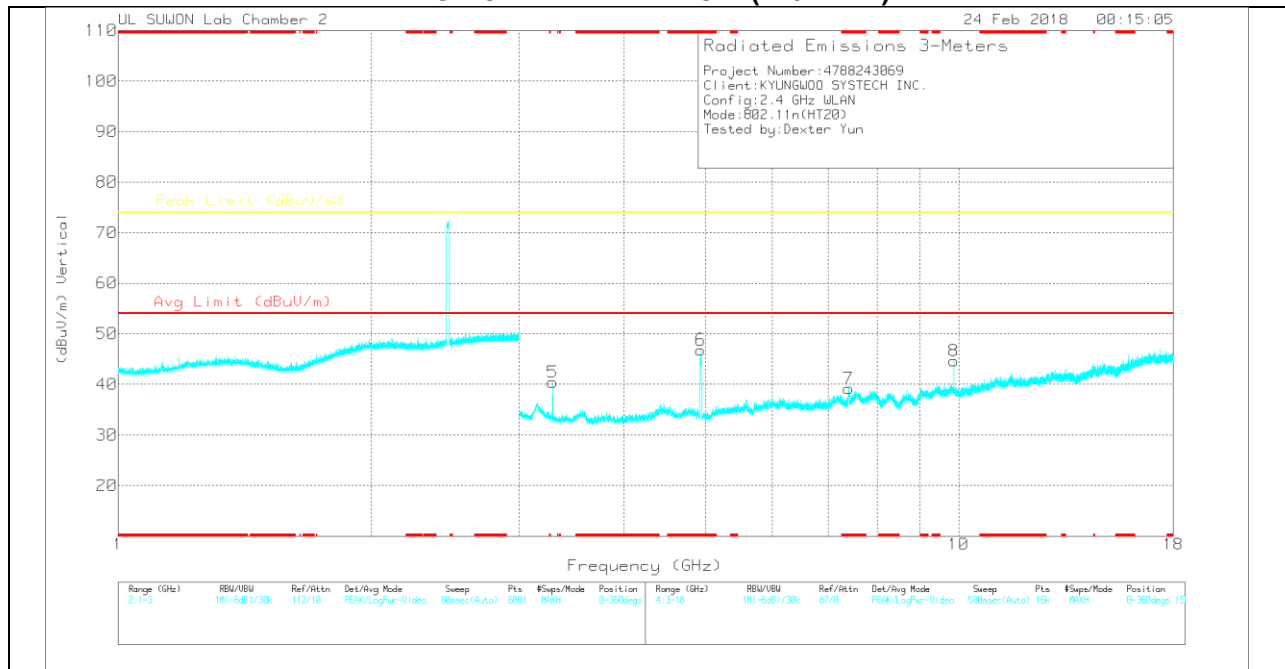
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.926	48.05	PK2	33.8	-24.7	0	57.15	-	-	74	-16.85	139	113	H
* 4.922	35.47	MAv1	33.8	-24.7	.63	45.2	54	-8.8	-	-	139	113	H
* 7.387	36.65	PK2	35.9	-21.4	0	51.15	-	-	74	-22.85	348	109	H
* 7.386	24.1	MAv1	35.9	-21.4	.63	39.23	54	-14.77	-	-	348	109	H
* 4.926	47.48	PK2	33.8	-24.7	0	56.58	-	-	74	-17.42	161	382	V
* 4.926	34.56	MAv1	33.8	-24.7	.63	44.29	54	-9.71	-	-	161	382	V
* 7.385	34.5	PK2	35.9	-21.4	0	49	-	-	74	-25	291	120	V
* 7.389	22.38	MAv1	35.9	-21.4	.63	37.51	54	-16.49	-	-	291	120	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2467 MHz)



HIGH CHANNEL VERTICAL(2467 MHz)



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA(2467 MHz)

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.289	35.44	Avg	32.5	-25.9	0	42.04	-	-	74	-31.96	0-360	150	H
2	* 4.932	36.69	Avg	33.8	-24.7	0	45.79	-	-	74	-28.21	0-360	150	H
3	* 7.398	25.49	Avg	35.9	-21.3	0	40.09	-	-	74	-33.91	0-360	250	H
4	9.868	24.33	Avg	37	-18	0	43.33	-	-	74	-30.67	0-360	250	H
5	3.289	33.82	Avg	32.5	-25.9	0	40.42	-	-	74	-33.58	0-360	150	V
6	* 4.932	37.68	Avg	33.8	-24.7	0	46.78	-	-	74	-27.22	0-360	250	V
7	* 7.398	24.56	Avg	35.9	-21.3	0	39.16	-	-	74	-34.84	0-360	150	V
8	9.868	25.66	Avg	37	-18	0	44.66	-	-	74	-29.34	0-360	150	V

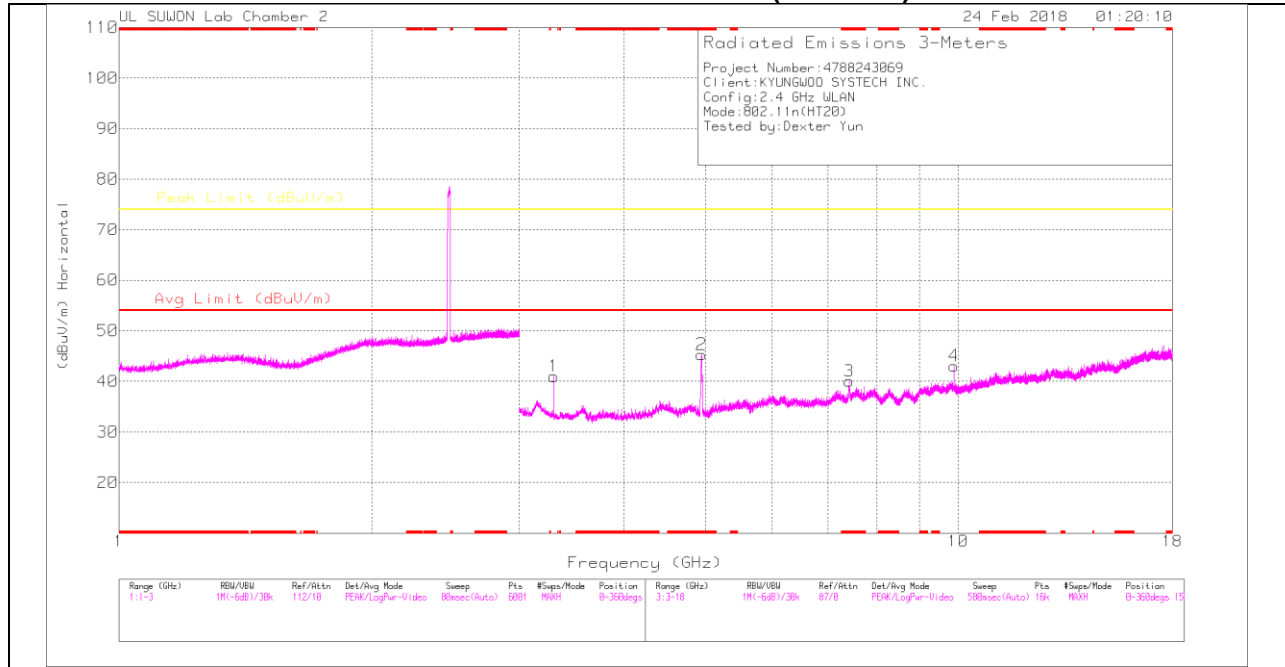
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

Radiated Emissions

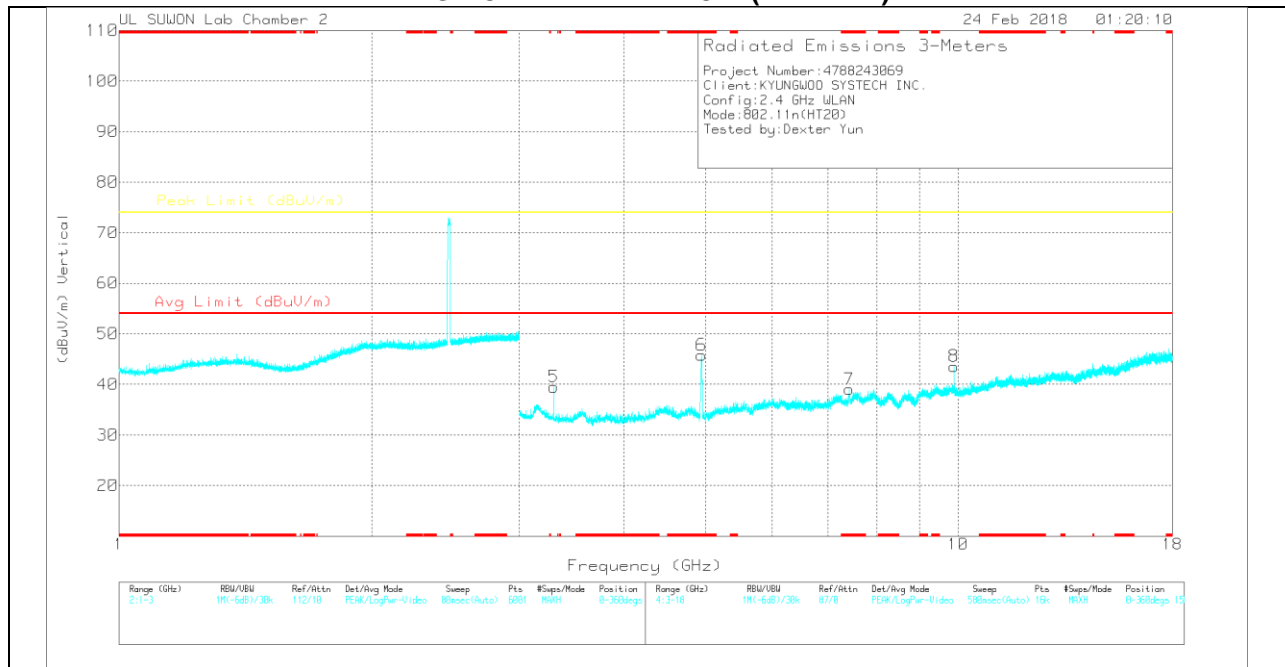
Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.936	45.53	PK2	33.8	-24.7	0	54.63	-	-	74	-19.37	133	279	H
* 4.932	33.11	MAv1	33.8	-24.7	.63	42.84	54	-11.16	-	-	133	279	H
* 7.398	35.18	PK2	35.9	-21.3	0	49.78	-	-	74	-24.22	104	252	H
* 7.399	22.95	MAv1	35.9	-21.3	.63	38.18	54	-15.82	-	-	104	252	H
* 4.936	45.88	PK2	33.8	-24.7	0	54.98	-	-	74	-19.02	211	146	V
* 4.932	33.61	MAv1	33.8	-24.7	.63	43.34	54	-10.66	-	-	211	146	V
* 7.402	34.67	PK2	35.9	-21.3	0	49.27	-	-	74	-24.73	246	105	V
* 7.399	22.15	MAv1	35.9	-21.3	.63	37.38	54	-16.62	-	-	246	105	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2472 MHz)



HIGH CHANNEL VERTICAL(2472 MHz)



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA(2472 MHz)

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
1	3.295	34.4	Avg		32.5	-25.9	0	41	-	-	74	-33	0-360	150	H
2	* 4.945	36.19	Avg		33.8	-24.7	0	45.29	-	-	74	-28.71	0-360	150	H
3	* 7.413	25.31	Avg		35.9	-21.2	0	40.01	-	-	74	-33.99	0-360	250	H
4	9.887	23.96	Avg		37.1	-18	0	43.06	-	-	74	-30.94	0-360	150	H
5	3.295	32.51	Avg		32.5	-25.9	0	39.51	-	-	74	-34.49	0-360	250	V
6	* 4.945	36.69	Avg		33.8	-24.7	0	45.79	-	-	74	-28.21	0-360	150	V
7	* 7.413	24.32	Avg		35.9	-21.2	0	39.02	-	-	74	-34.98	0-360	150	V
8	9.887	24.47	Avg		37.1	-18	0	43.57	-	-	74	-30.43	0-360	150	V

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

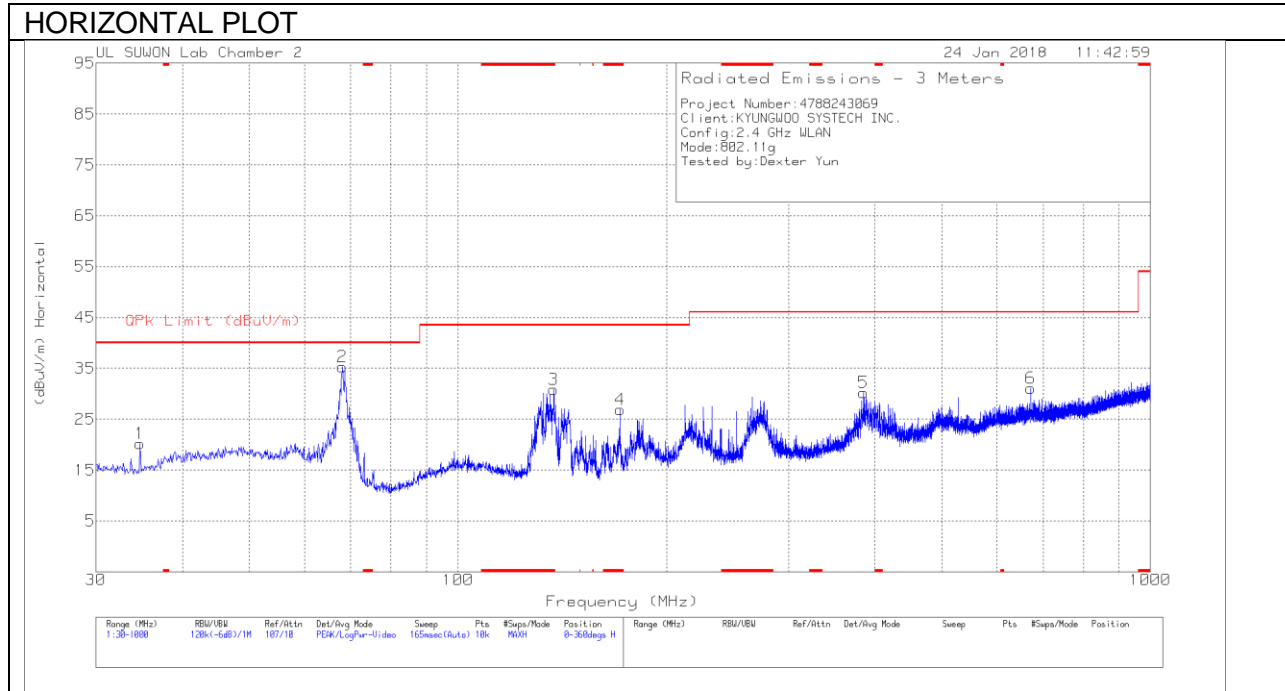
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	170531_3117[00168724]	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
* 4.946	44.76	PK2		33.8	-24.7	0	53.86	-	-	74	-20.14	152	279	H
* 4.942	32.23	MAv1		33.8	-24.8	.63	41.86	54	-12.14	-	-	152	279	H
* 7.412	35.22	PK2		35.9	-21.2	0	49.92	-	-	74	-24.08	103	229	H
* 7.418	22.76	MAv1		35.9	-21.2	.63	38.09	54	-15.91	-	-	103	229	H
* 4.946	44.06	PK2		33.8	-24.7	0	53.16	-	-	74	-20.84	213	134	V
* 4.94	31.9	MAv1		33.8	-24.8	.63	41.53	54	-12.47	-	-	213	134	V
* 7.417	34.26	PK2		35.9	-21.2	0	48.96	-	-	74	-25.04	245	121	V
* 7.419	22.06	MAv1		35.9	-21.2	.63	37.39	54	-16.61	-	-	245	121	V

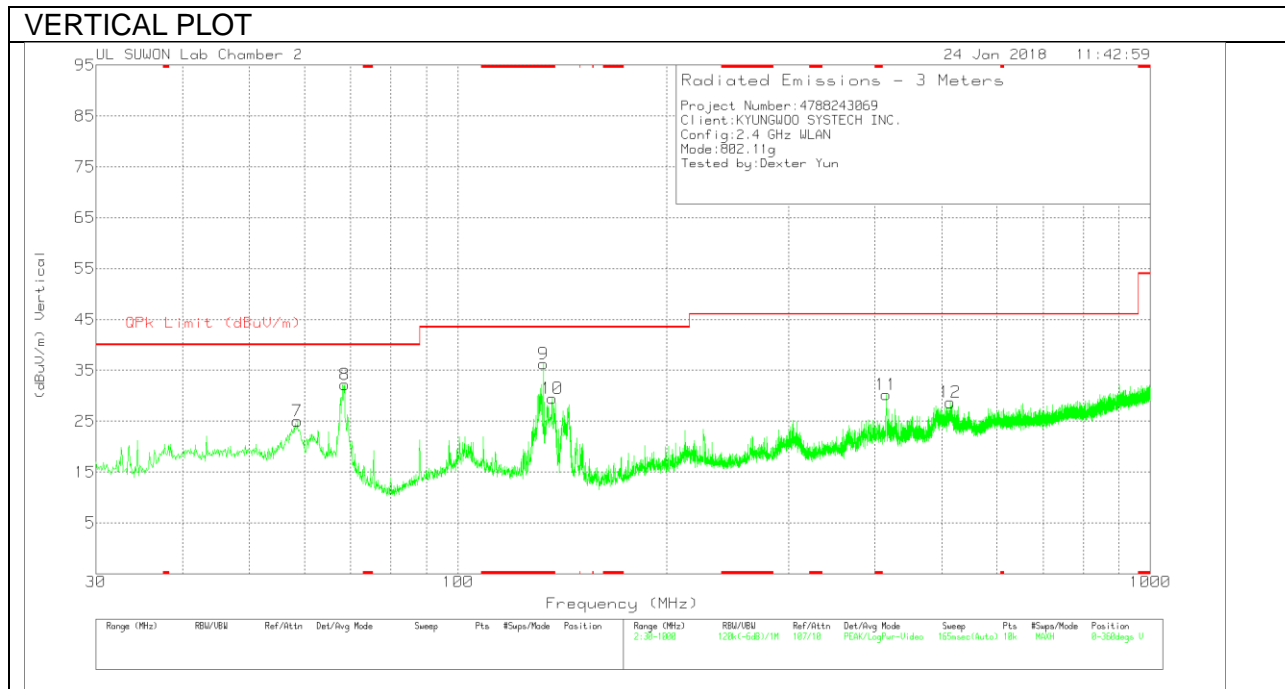
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



Below 1G Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-749	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	34.753	34.68	Pk	17.1	-31.6	20.18	40	-19.82	0-360	400	H
2	68.121	50.75	Pk	15.8	-31.3	35.25	40	-4.75	0-360	300	H
3	* 137.476	47.82	Pk	13.9	-30.9	30.82	43.52	-12.7	0-360	200	H
4	* 171.426	42.65	Pk	14.8	-30.6	26.85	43.52	-16.67	0-360	200	H
5	385.408	39.05	Pk	21	-29.8	30.25	46.02	-15.77	0-360	100	H
6	672.043	35.04	Pk	25.2	-29.2	31.04	46.02	-14.98	0-360	100	H
7	58.615	37.81	Pk	18.6	-31.4	25.01	40	-14.99	0-360	100	V
8	68.606	47.9	Pk	15.6	-31.3	32.2	40	-7.8	0-360	300	V
9	* 133.014	52.93	Pk	14.2	-30.9	36.23	43.52	-7.29	0-360	200	V
10	* 136.7	46.53	Pk	13.9	-30.9	29.53	43.52	-13.99	0-360	100	V
11	415.284	38.26	Pk	21.8	-29.8	30.26	46.02	-15.76	0-360	100	V
12	514.321	35.08	Pk	23.1	-29.5	28.68	46.02	-17.34	0-360	200	V

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

Pk - Peak detector

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-749	30-1000MHz[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
68.121	46.32	Qp	15.8	-31.3	30.82	40	-9.18	91	322	H
* 137.476	43.29	Qp	13.9	-30.9	26.29	43.52	-17.23	18	231	H
68.606	41.13	Qp	15.6	-31.3	25.43	40	-14.57	141	256	V
* 133.014	40.93	Qp	14.2	-30.9	24.23	43.52	-19.29	138	100	V

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

Qp - Quasi-Peak detector

END OF REPORT