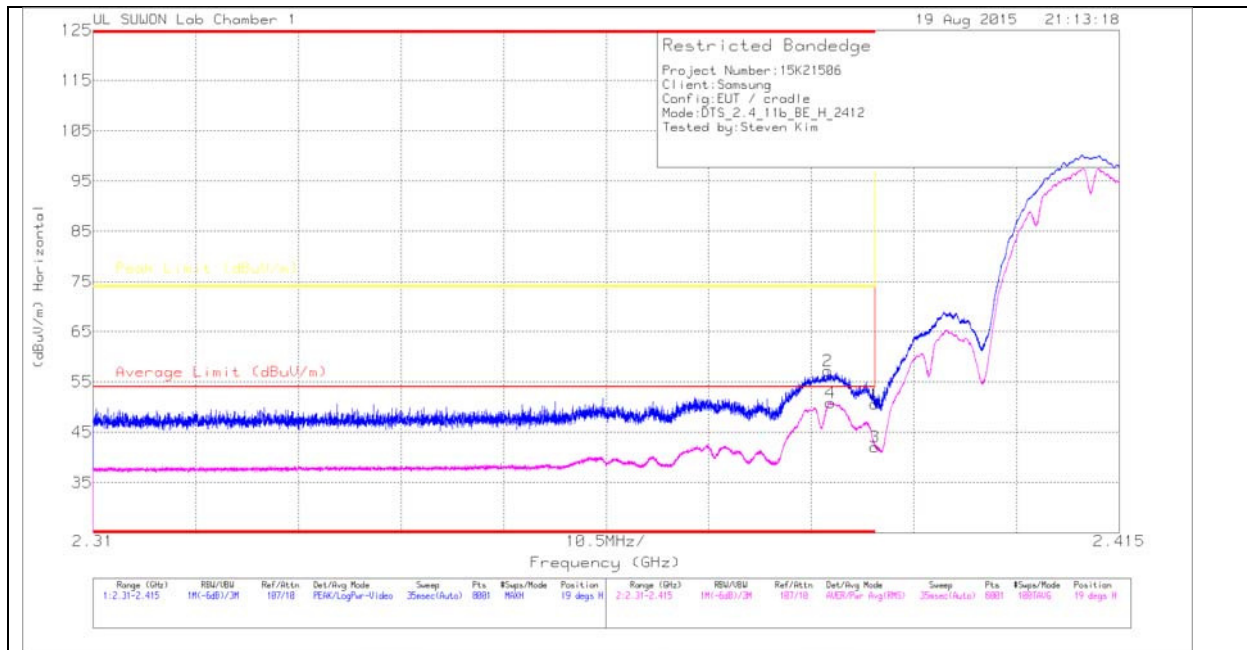


11.2. TRANSMITTER ABOVE 1 GHz

11.2.1. 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

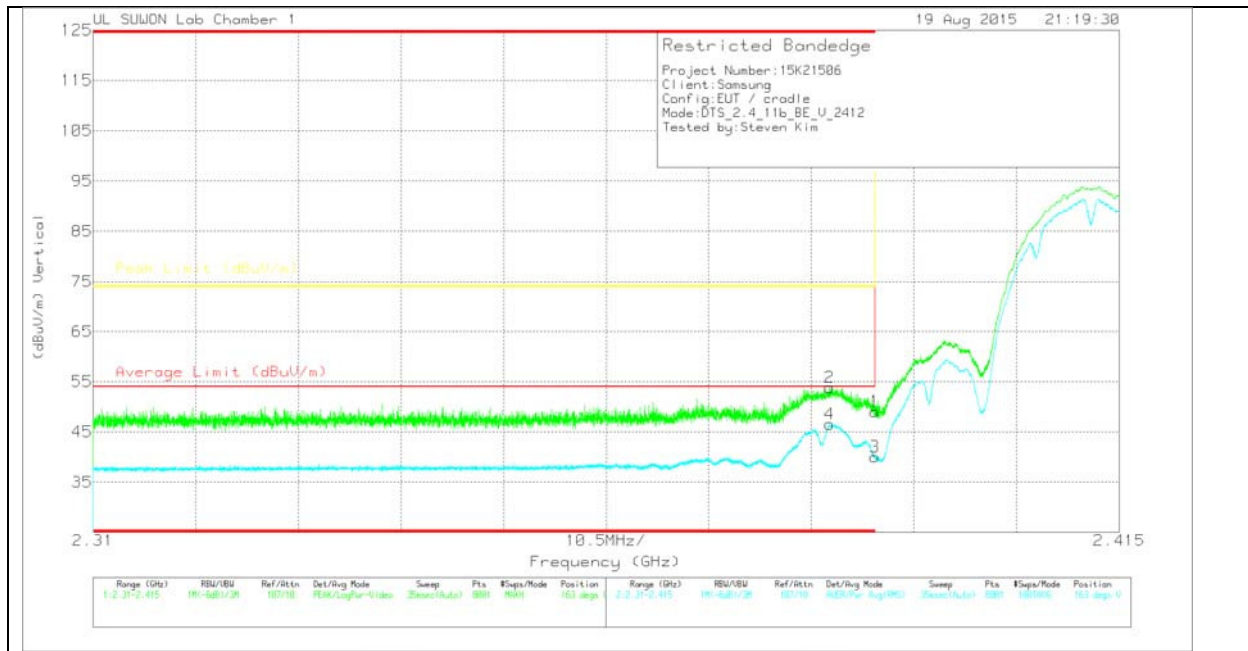
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.59	Pk	31.8	-22.8	0	50.59	-	-	74	-23.41	19	100	H
2	* 2.385	48.18	Pk	31.8	-22.8	0	57.18	-	-	74	-16.82	19	100	H
3	* 2.39	33.05	RMS	31.8	-22.8	0	42.05	54	-11.95	-	-	19	100	H
4	* 2.385	41.82	RMS	31.8	-22.8	0	50.82	54	-3.18	-	-	19	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.05	Pk	31.8	-22.8	0	49.05	-	-	74	-24.95	163	100	V
2	* 2.385	44.85	Pk	31.8	-22.8	0	53.85	-	-	74	-20.15	163	100	V
3	* 2.39	31.04	RMS	31.8	-22.8	0	40.04	54	-13.96	-	-	163	100	V
4	* 2.385	37.55	RMS	31.8	-22.8	0	46.55	54	-7.45	-	-	163	100	V

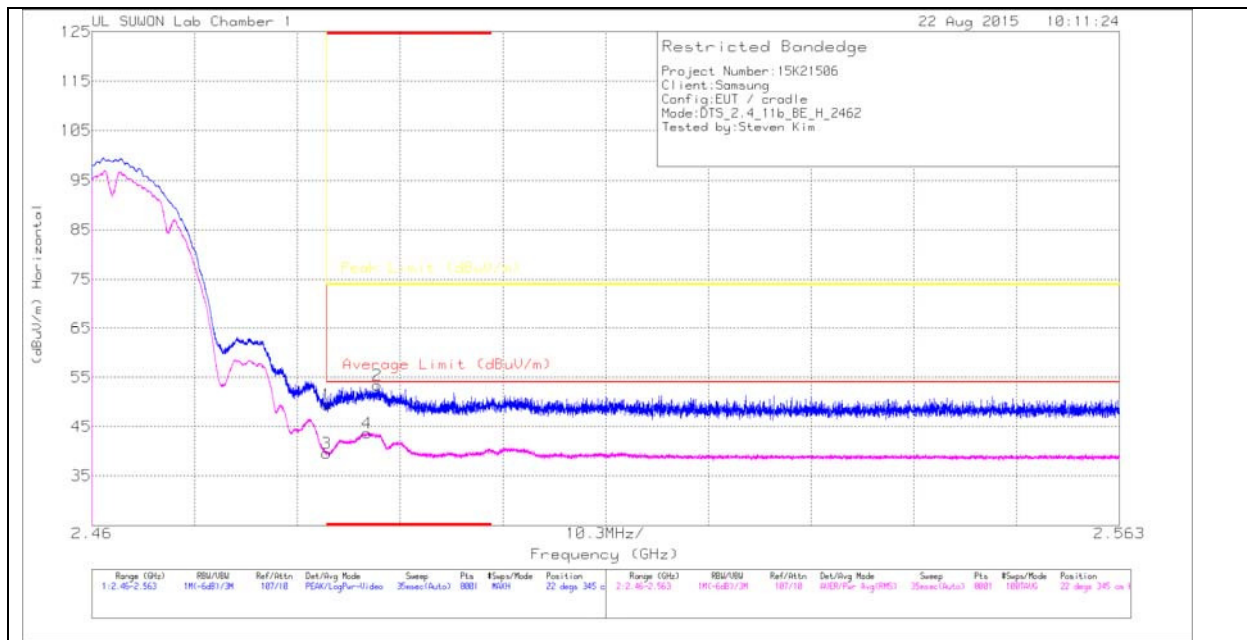
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

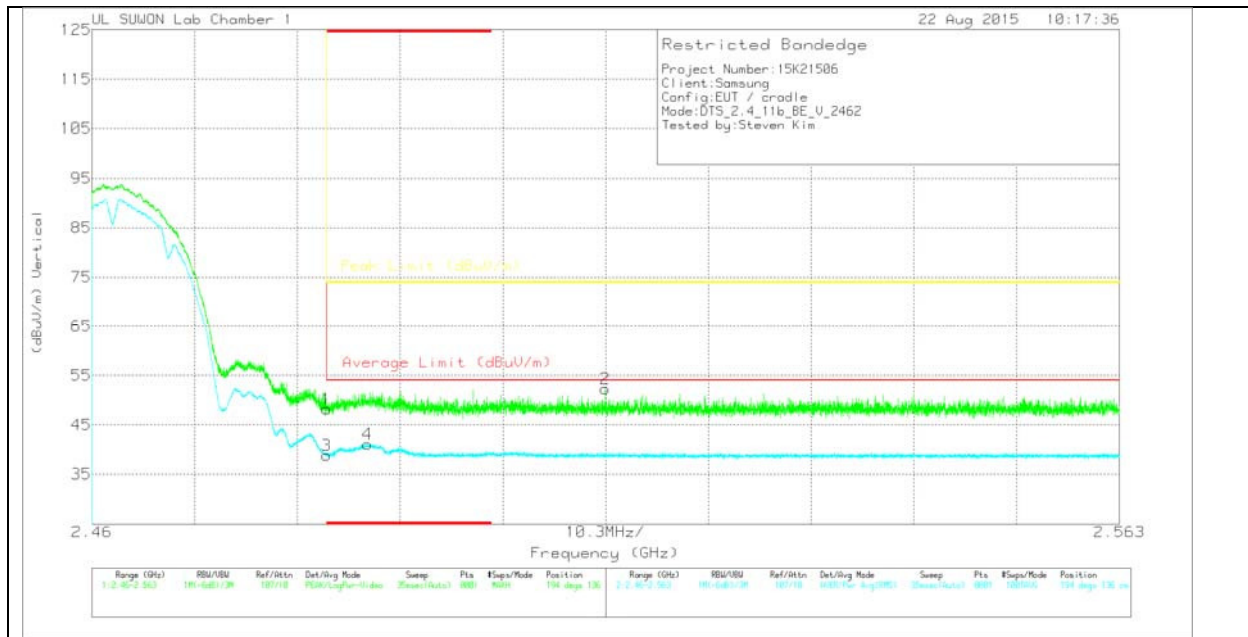
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.07	Pk	32	-22.6	0	49.47	-	-	74	-24.53	22	345	H
2	* 2.489	44.01	Pk	32	-22.6	0	53.41	-	-	74	-20.59	22	345	H
3	* 2.484	30.21	RMS	32	-22.6	0	39.61	54	-14.39	-	-	22	345	H
4	* 2.488	34.22	RMS	32	-22.6	0	43.62	54	-10.38	-	-	22	345	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.82	Pk	32	-22.6	0	48.22	-	-	74	-25.78	194	136	V
2	2.511	42.95	Pk	32	-22.6	0	52.35	-	-	74	-21.65	194	136	V
3	* 2.484	29.43	RMS	32	-22.6	0	38.83	54	-15.17	-	-	194	136	V
4	* 2.488	31.71	RMS	32	-22.6	0	41.11	54	-12.89	-	-	194	136	V

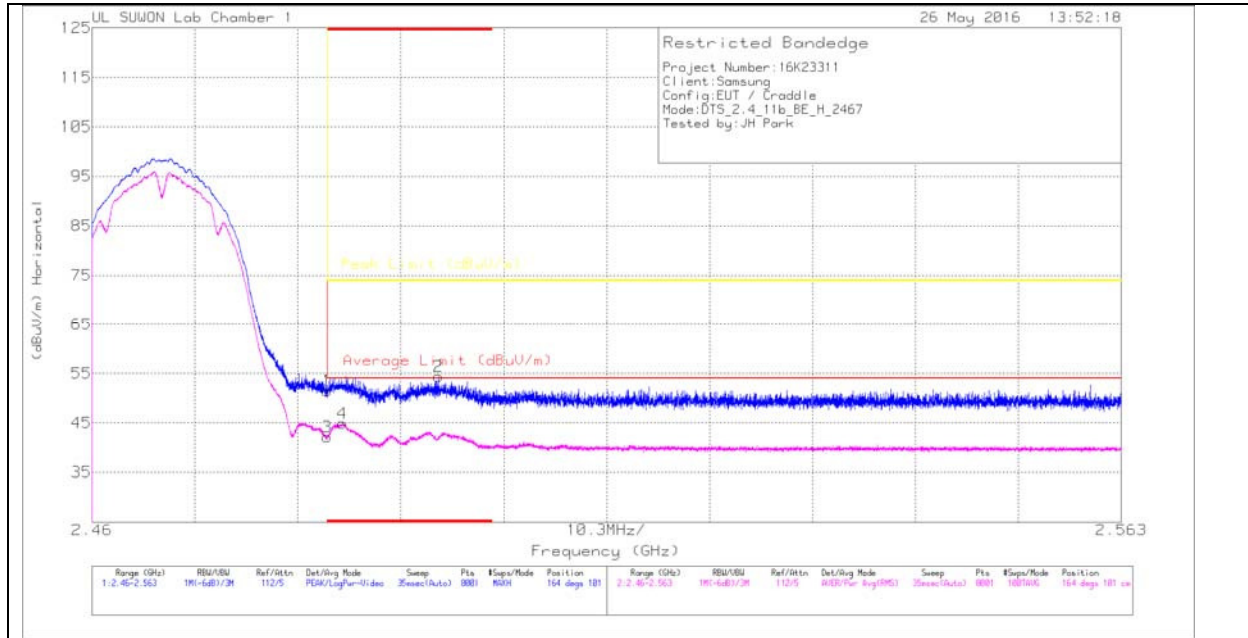
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

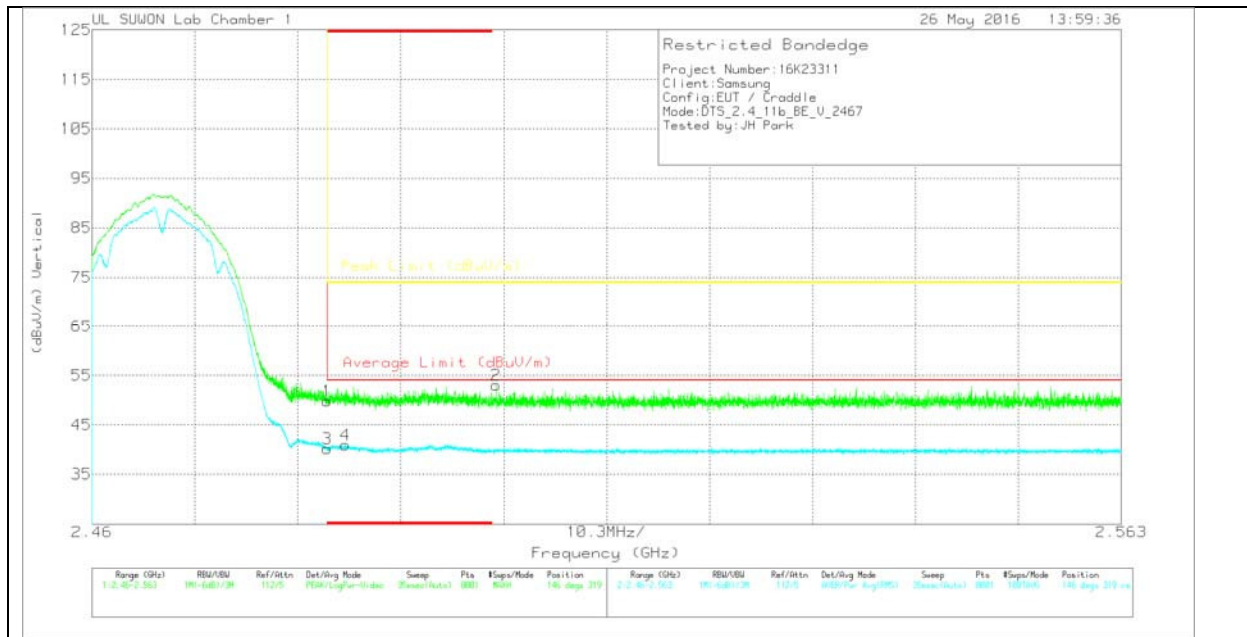
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.8	Pk	32	-28.3	0	51.5	-	-	74	-22.5	164	101	H
2	* 2.495	50.7	Pk	32	-28.3	0	54.4	-	-	74	-19.6	164	101	H
3	* 2.484	38.47	RMS	32	-28.3	0	42.17	54	-11.83	-	-	164	101	H
4	* 2.485	41.2	RMS	32	-28.3	0	44.9	54	-9.1	-	-	164	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.11	Pk	32	-28.3	0	49.81	-	-	74	-24.19	146	319	V
2	2.5	49.33	Pk	32	-28.3	0	53.03	-	-	74	-20.97	146	319	V
3	* 2.484	36.53	RMS	32	-28.3	0	40.23	54	-13.77	-	-	146	319	V
4	* 2.485	37.26	RMS	32	-28.3	0	40.96	54	-13.04	-	-	146	319	V

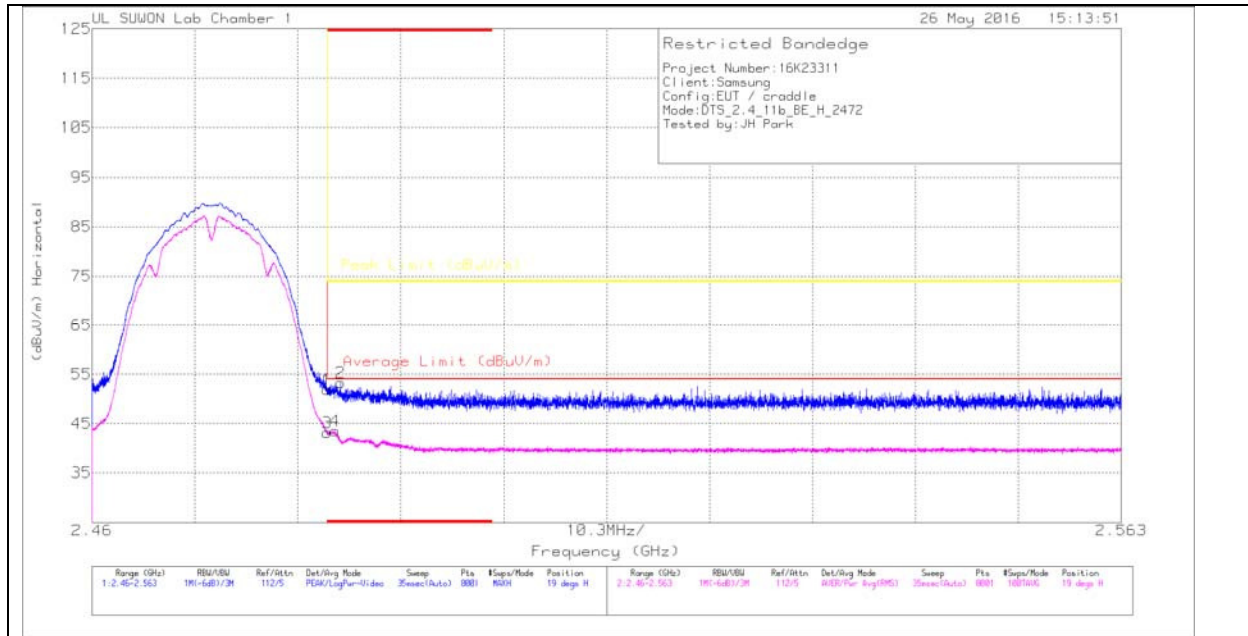
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

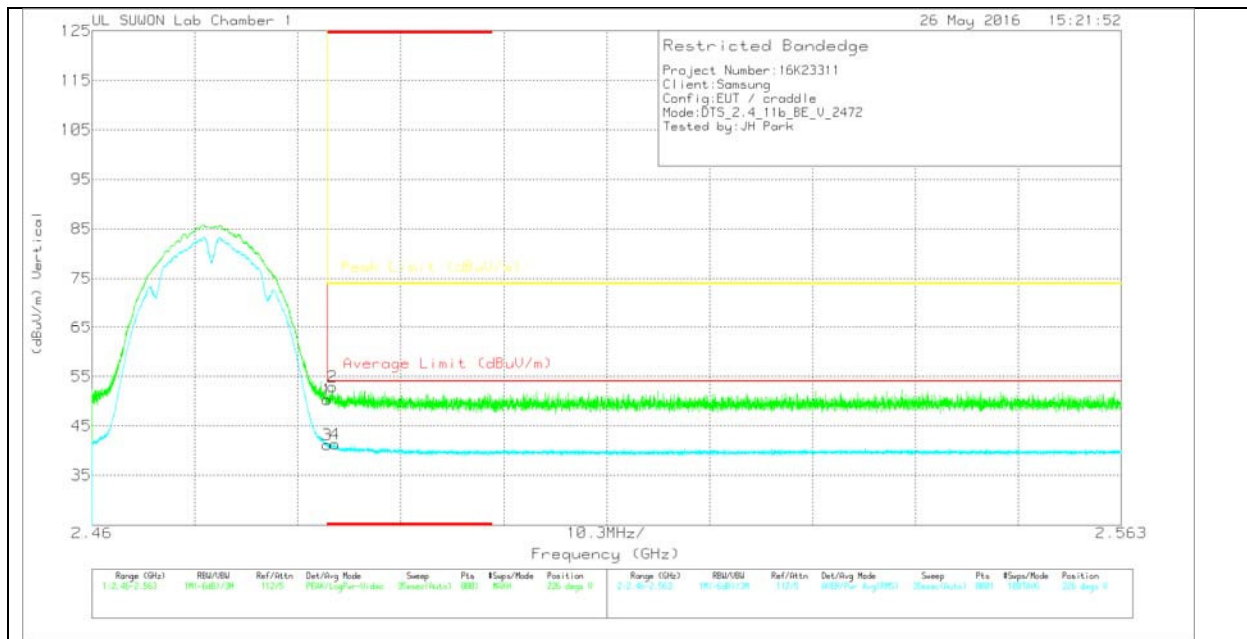
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.28	Pk	32	-28.3	0	51.98	-	-	74	-22.02	19	267	H
2	* 2.485	49.55	Pk	32	-28.3	0	53.25	-	-	74	-20.75	19	267	H
3	* 2.484	39.41	RMS	32	-28.3	0	43.11	54	-10.89	-	-	19	267	H
4	* 2.484	39.84	RMS	32	-28.3	0	43.54	54	-10.46	-	-	19	267	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.63	Pk	32	-28.3	0	50.33	-	-	74	-23.67	226	125	V
2	* 2.484	49.23	Pk	32	-28.3	0	52.93	-	-	74	-21.07	226	125	V
3	* 2.484	37.47	RMS	32	-28.3	0	41.17	54	-12.83	-	-	226	125	V
4	* 2.484	37.57	RMS	32	-28.3	0	41.27	54	-12.73	-	-	226	125	V

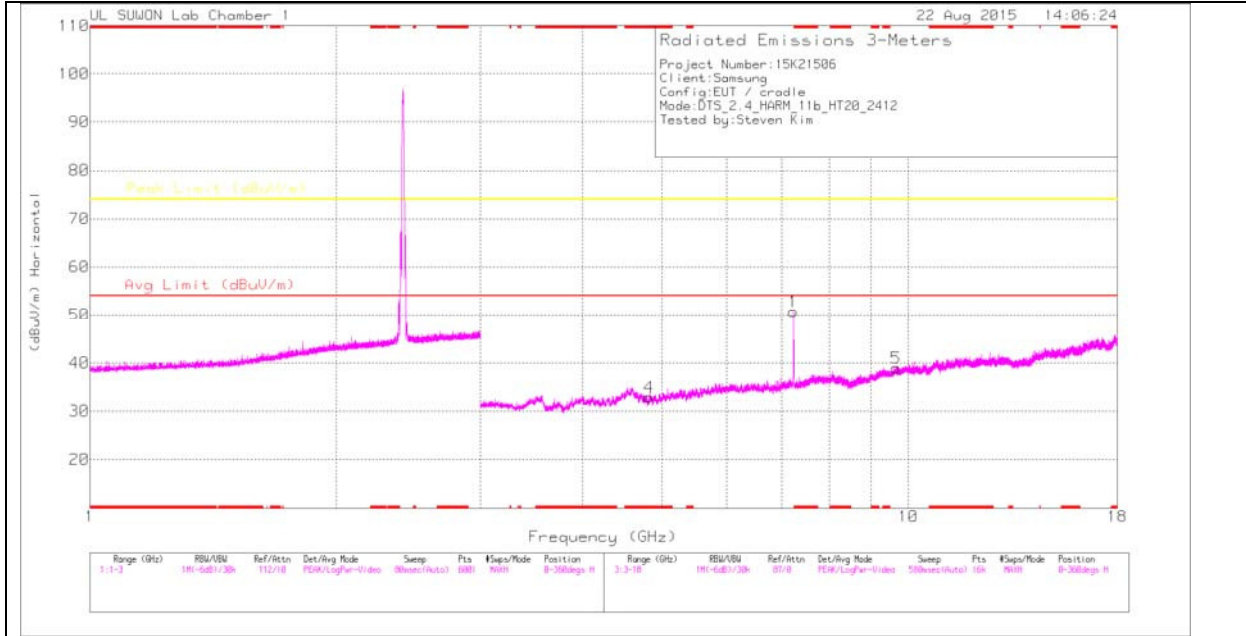
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

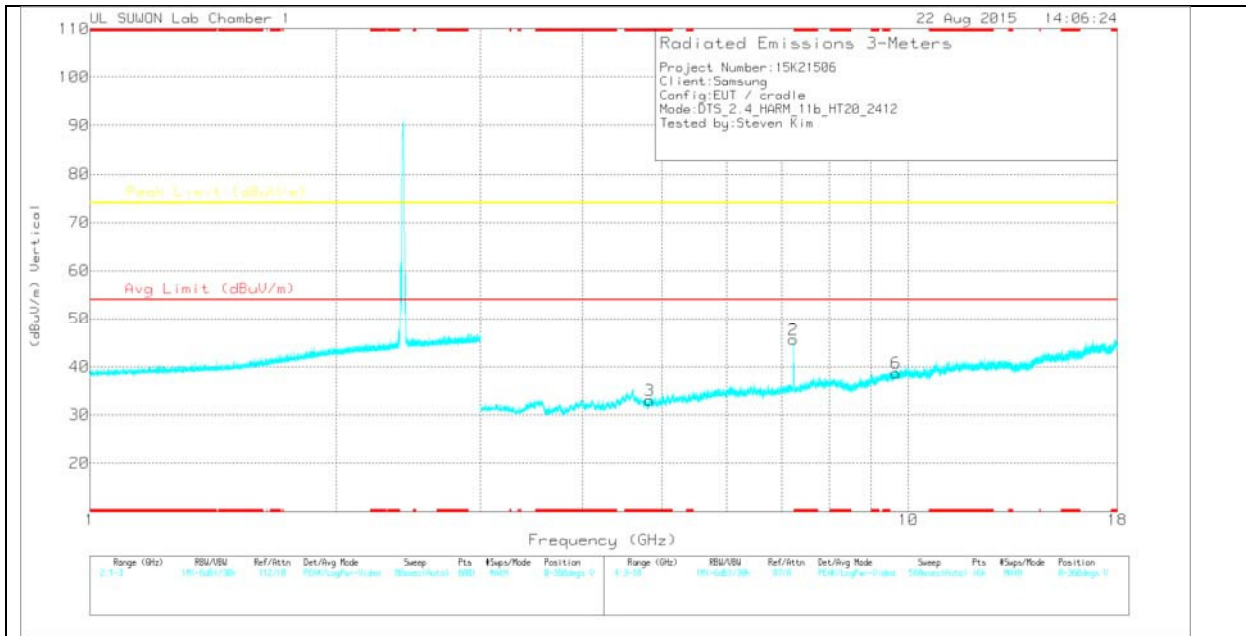
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 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	3117(0016872 4)_150619	Path_3	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	7.235	40.52	PK	35.7	-25.5	0	50.72	-	-	74	-23.28	0-360	200	H
4	* 4.824	28.54	PK	34	-29.6	0	32.94	-	-	74	-41.06	0-360	100	H
5	9.65	22.68	PK	37.1	-20.8	0	38.98	-	-	74	-35.02	0-360	200	H
2	7.233	35.52	PK	35.7	-25.5	0	45.72	-	-	74	-28.28	0-360	200	V
3	* 4.826	28.5	PK	34	-29.5	0	33	-	-	74	-41	0-360	200	V
6	9.649	22.44	PK	37.1	-20.8	0	38.74	-	-	74	-35.26	0-360	100	V

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

PK – Peak detector

Radiated Emissions

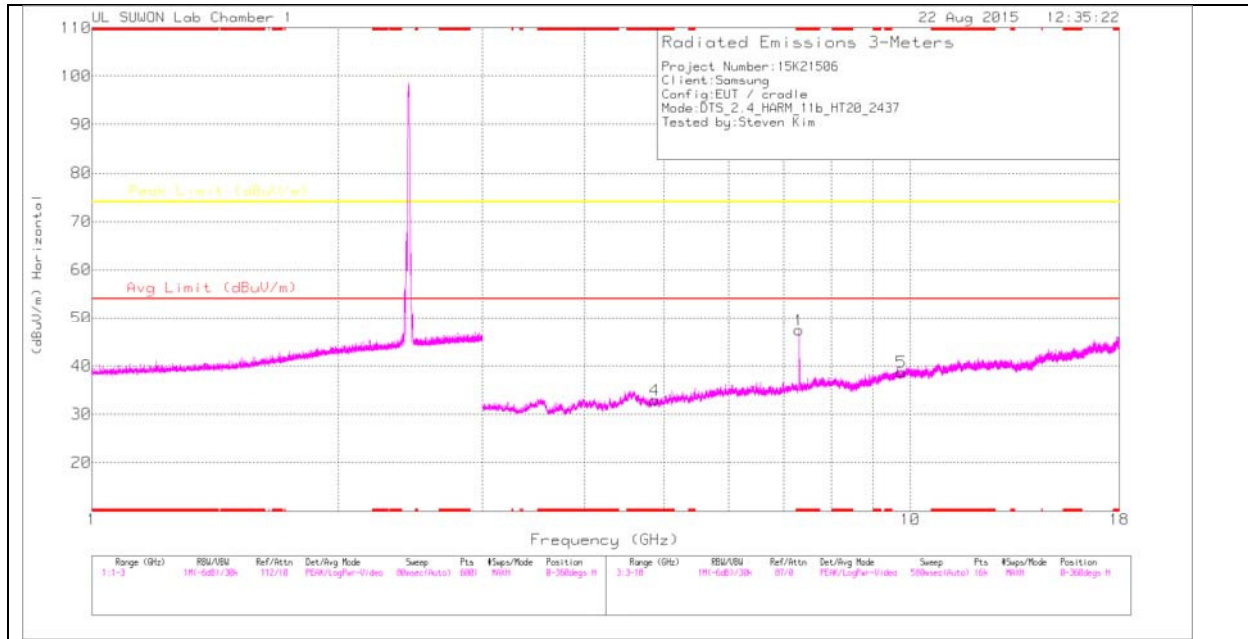
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.237	43.86	PK2	35.7	-25.5	0	54.06	-	-	74	-19.94	160	180	H
7.235	40.47	PK2	35.7	-25.5	0	50.67	-	-	74	-23.33	32	246	V

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

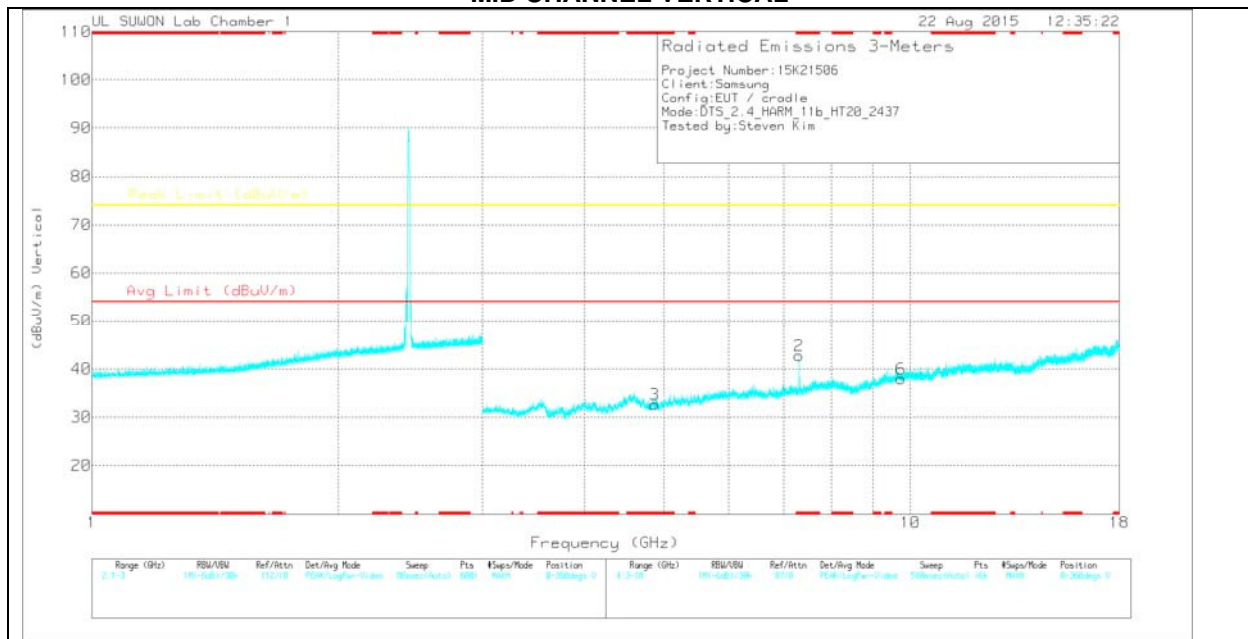
PK2 - KDB558074 Method: Maximum Peak

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 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	3117(0016872 4)_150619	Path_3	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	* 7.31	37.39	PK	35.7	-25.7	0	47.39	-	-	74	-26.61	0-360	200	H
4	* 4.872	28.06	PK	34	-29.2	0	32.86	-	-	74	-41.14	0-360	100	H
5	9.749	23.37	PK	37.2	-21.9	0	38.67	-	-	74	-35.33	0-360	200	H
2	* 7.31	32.82	PK	35.7	-25.7	0	42.82	-	-	74	-31.18	0-360	200	V
3	* 4.873	27.89	PK	34	-29.2	0	32.69	-	-	74	-41.31	0-360	100	V
6	9.748	22.67	PK	37.2	-21.9	0	37.97	-	-	74	-36.03	0-360	100	V

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

PK – Peak detector

Radiated Emissions

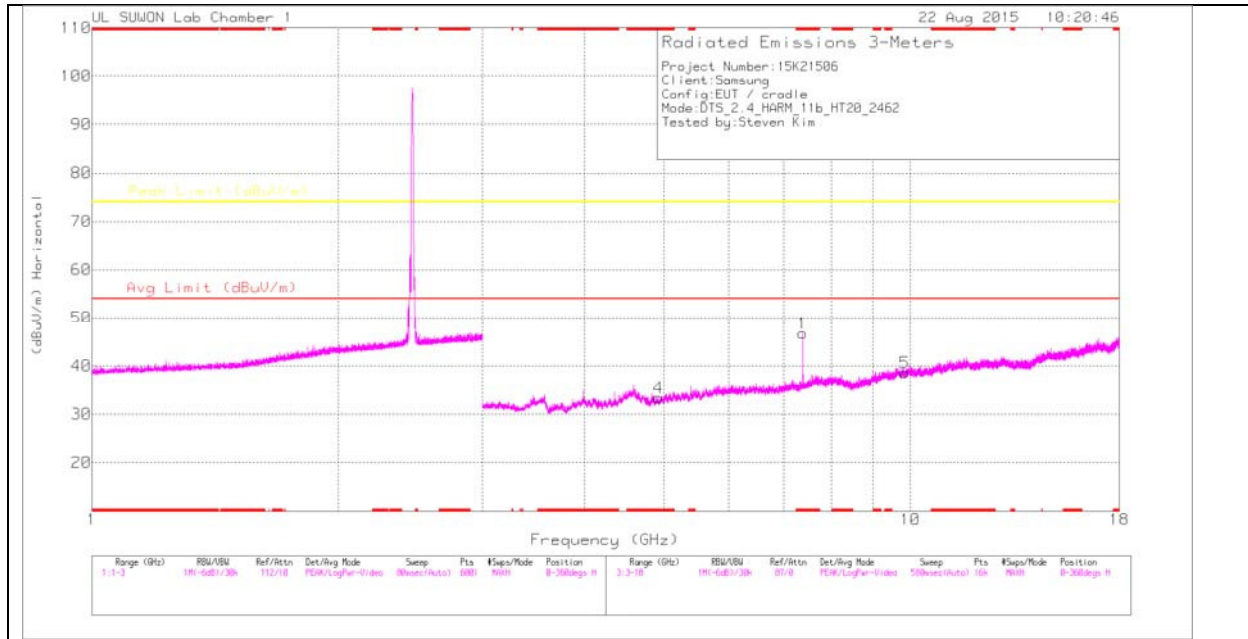
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.312	46.89	PK2	35.7	-25.7	0	56.89	-	-	74	-17.11	160	171	H
* 7.312	39.67	MAv1	35.7	-25.7	0	49.67	54	-4.33	-	-	160	171	H
* 7.312	43.33	PK2	35.7	-25.7	0	53.33	-	-	74	-20.67	9	197	V
* 7.312	35.72	MAv1	35.7	-25.7	0	45.72	54	-8.28	-	-	9	197	V

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

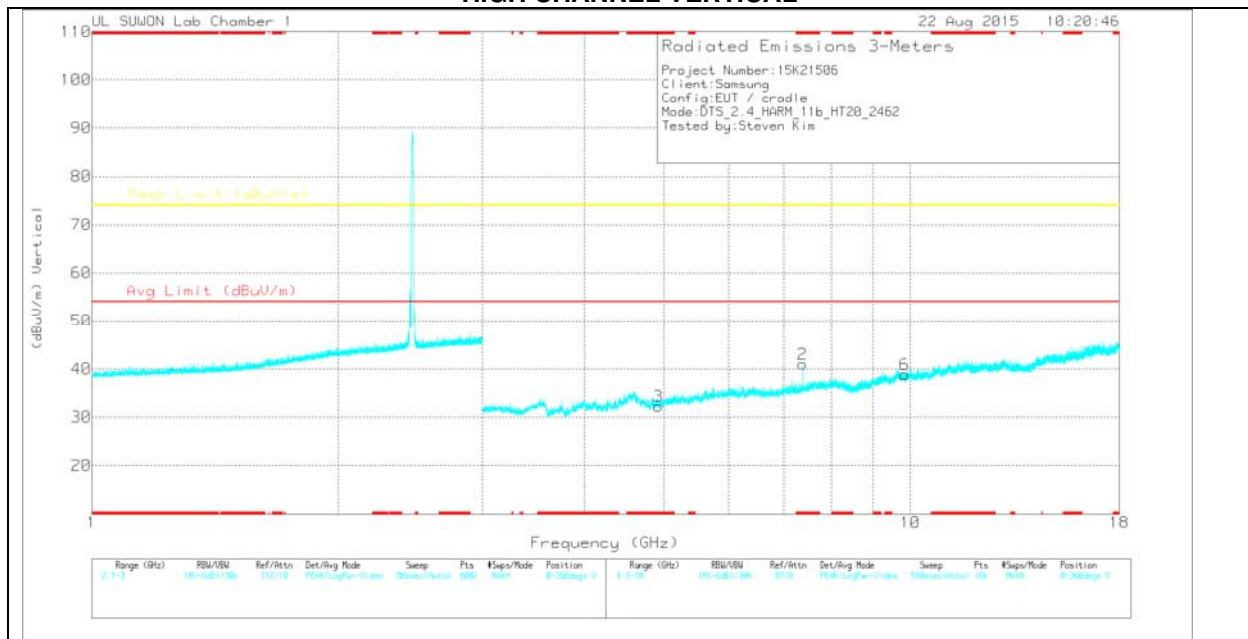
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_3	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	* 7.387	36.17	PK	35.8	-25.1	0	46.87	-	-	74	-27.13	0-360	200	H
4	* 4.924	28.39	PK	34	-29	0	33.39	-	-	74	-40.61	0-360	100	H
5	9.846	22.91	PK	37.3	-21.6	0	38.61	-	-	74	-35.39	0-360	200	H
2	* 7.385	30.33	PK	35.8	-25.1	0	41.03	-	-	74	-32.97	0-360	200	V
3	* 4.925	27.23	PK	34	-29	0	32.23	-	-	74	-41.77	0-360	200	V
6	9.846	23.17	PK	37.3	-21.6	0	38.87	-	-	74	-35.13	0-360	100	V

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

PK – Peak detector

Radiated Emissions

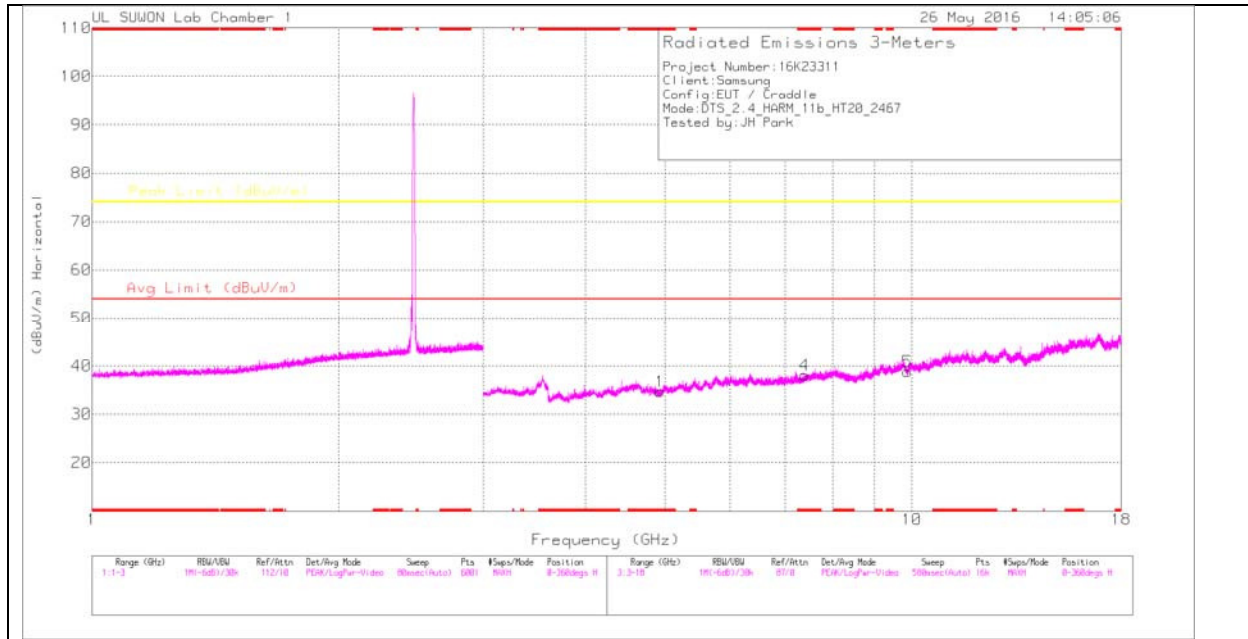
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.387	44.16	PK2	35.8	-25.1	0	54.86	-	-	74	-19.14	172	200	H
* 7.387	37.47	MAv1	35.8	-25.1	0	48.17	54	-5.83	-	-	172	200	H
* 7.384	38.27	PK2	35.8	-25.1	0	48.97	-	-	74	-25.03	238	145	V
* 7.385	27.19	MAv1	35.8	-25.1	0	37.89	54	-16.11	-	-	238	145	V

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

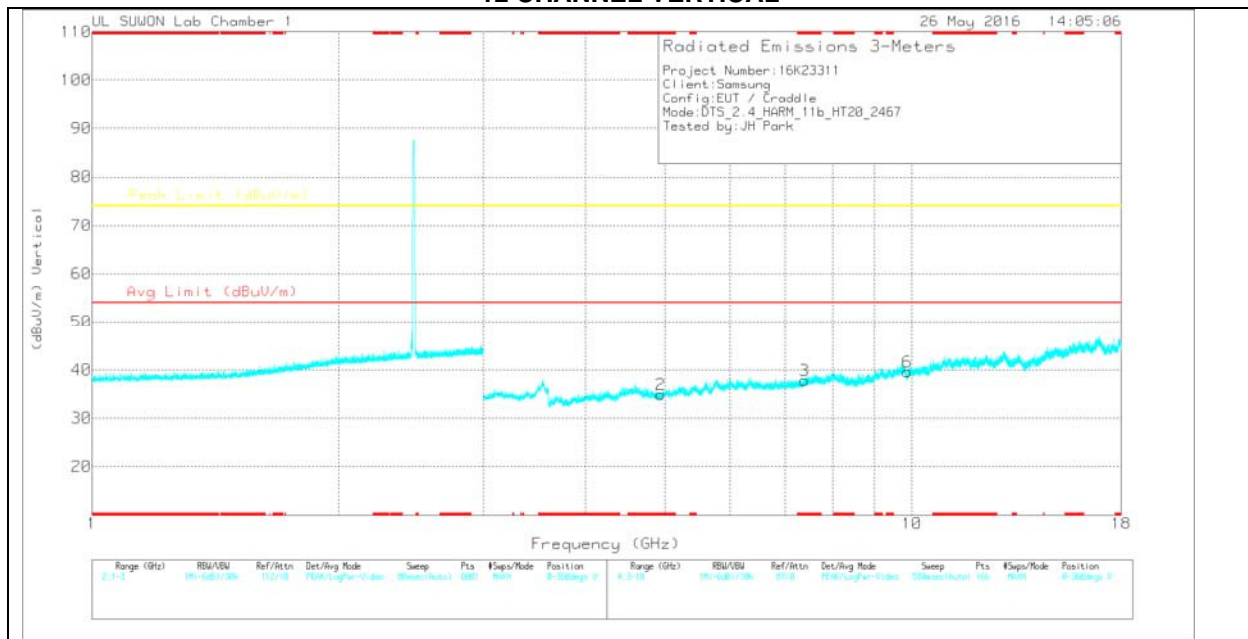
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

12 CHANNEL HORIZONTAL



12 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.

12 CHANNEL DATA

Trace Markers

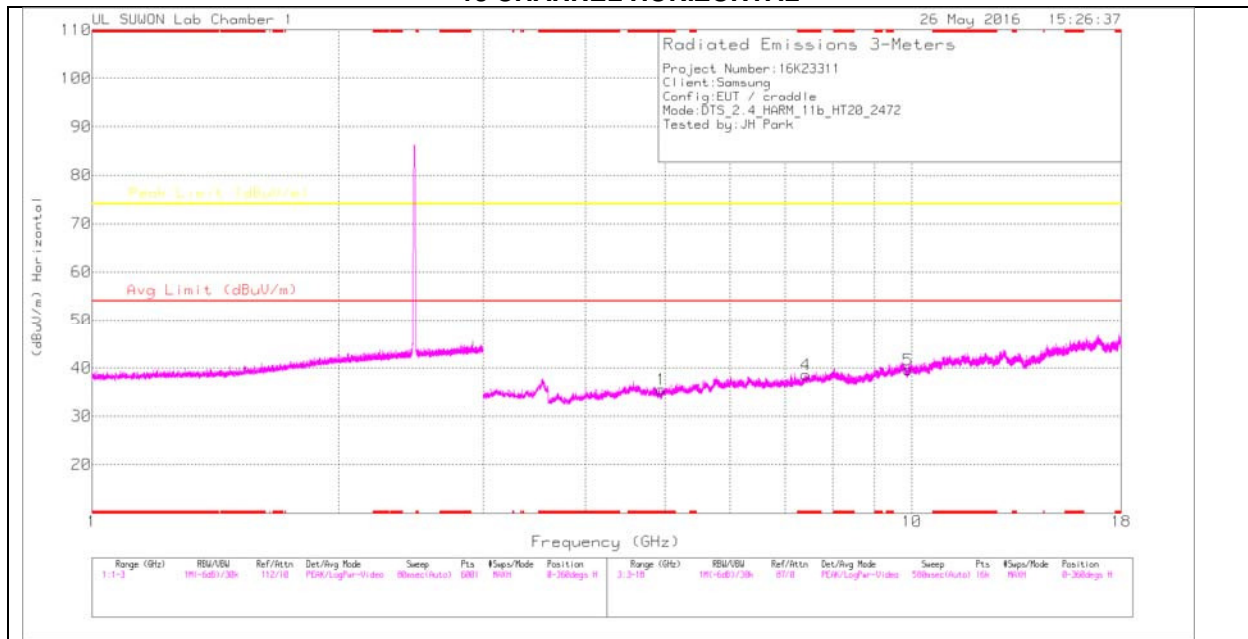
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016871 7)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.934	34.63	PK	34	-34	0	34.63	-	-	74	-39.37	0-360	200	H
4	* 7.398	32.88	PK	35.8	-30.6	0	38.08	-	-	74	-35.92	0-360	100	H
5	9.869	29.48	PK	37.3	-27.9	0	38.88	-	-	74	-35.12	0-360	100	H
2	* 4.935	34.91	PK	34	-34	0	34.91	-	-	74	-39.09	0-360	100	V
3	* 7.401	32.6	PK	35.8	-30.6	0	37.8	-	-	74	-36.2	0-360	200	V
6	9.869	30.2	PK	37.3	-27.9	0	39.6	-	-	74	-34.4	0-360	200	V

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

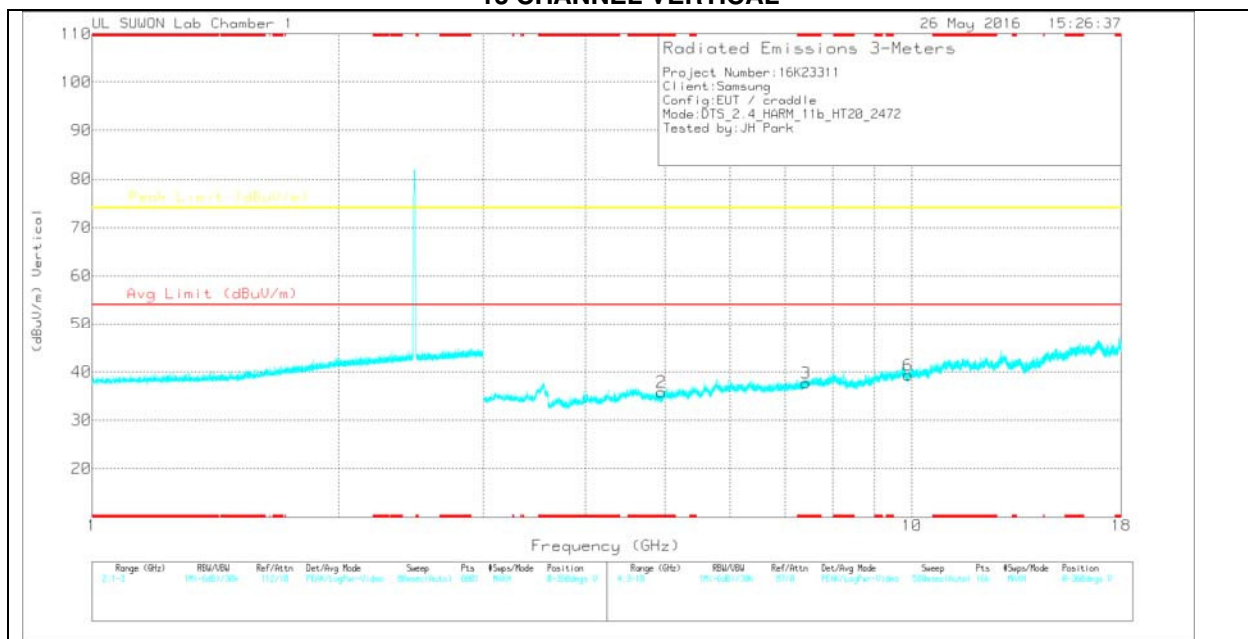
PK – Peak detector

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

13 CHANNEL HORIZONTAL



13 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.

13 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016871 7)_150619	Path_3	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	* 4.946	35.56	PK	34	-34	0	35.56	-	-	74	-38.44	0-360	100	H
4	* 7.42	33.49	PK	35.8	-30.7	0	38.59	-	-	74	-35.41	0-360	100	H
5	9.894	29.98	PK	37.4	-27.8	0	39.58	-	-	74	-34.42	0-360	200	H
2	* 4.949	35.87	PK	34	-34	0	35.87	-	-	74	-38.13	0-360	200	V
3	* 7.417	32.62	PK	35.8	-30.7	0	37.72	-	-	74	-36.28	0-360	100	V
6	9.889	29.84	PK	37.3	-27.8	0	39.34	-	-	74	-34.66	0-360	200	V

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

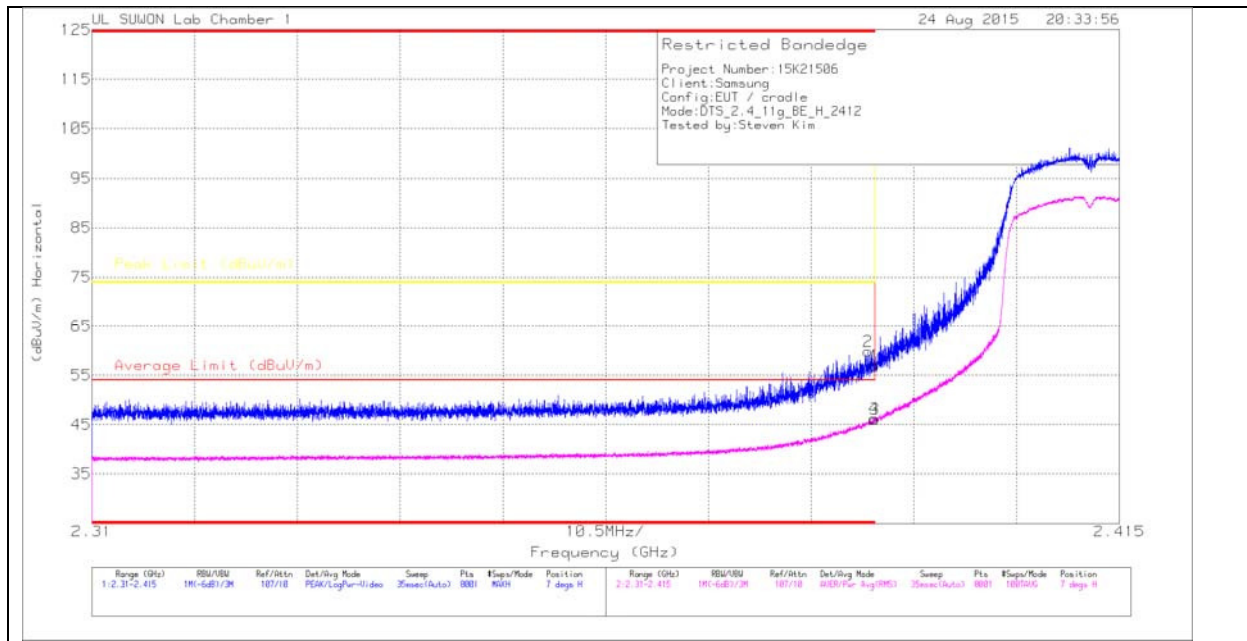
PK – Peak detector

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

11.2.2. 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

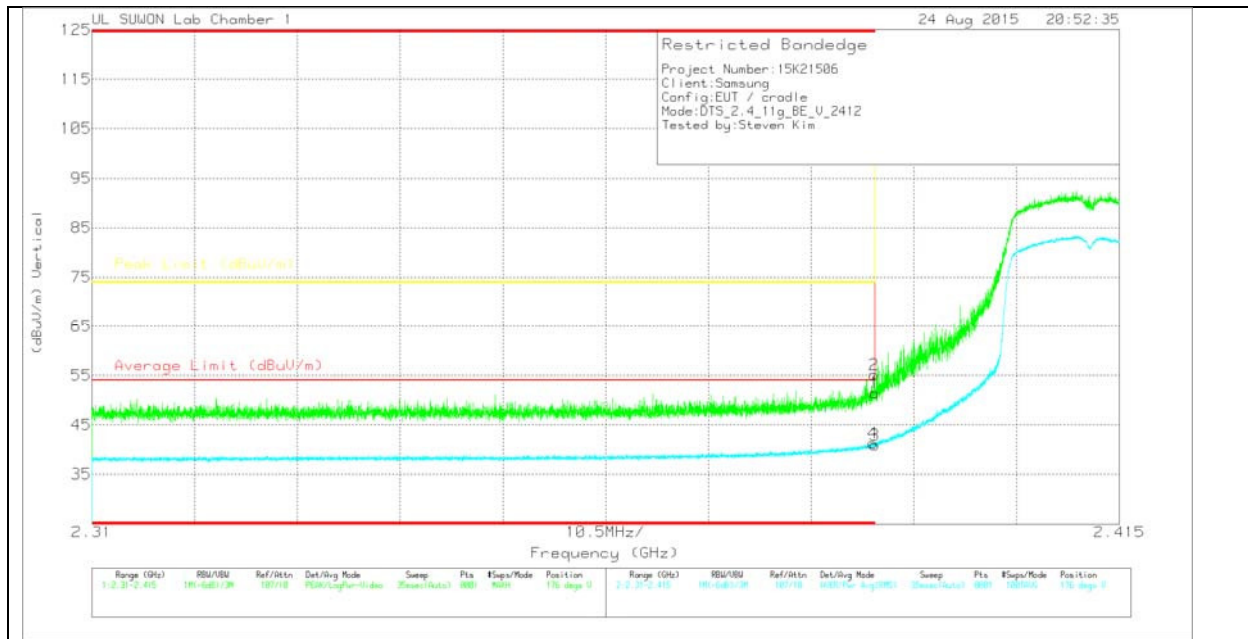
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	48.01	Pk			0	57.01	-	-	74	-16.99	7	100	H
2	* 2.389	50.85	Pk			0	59.85	-	-	74	-14.15	7	100	H
3	* 2.39	36.77	RMS			.29	46.06	54	-7.94	-	-	7	100	H
4	* 2.39	36.97	RMS			.29	46.26	54	-7.74	-	-	7	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.5	Pk	31.8	-22.8	0	51.5	-	-	74	-22.5	176	135	V
2	* 2.39	46.11	Pk	31.8	-22.8	0	55.11	-	-	74	-18.89	176	135	V
3	* 2.39	31.6	RMS	31.8	-22.8	.29	40.89	54	-13.11	-	-	176	135	V
4	* 2.39	31.98	RMS	31.8	-22.8	.29	41.27	54	-12.73	-	-	176	135	V

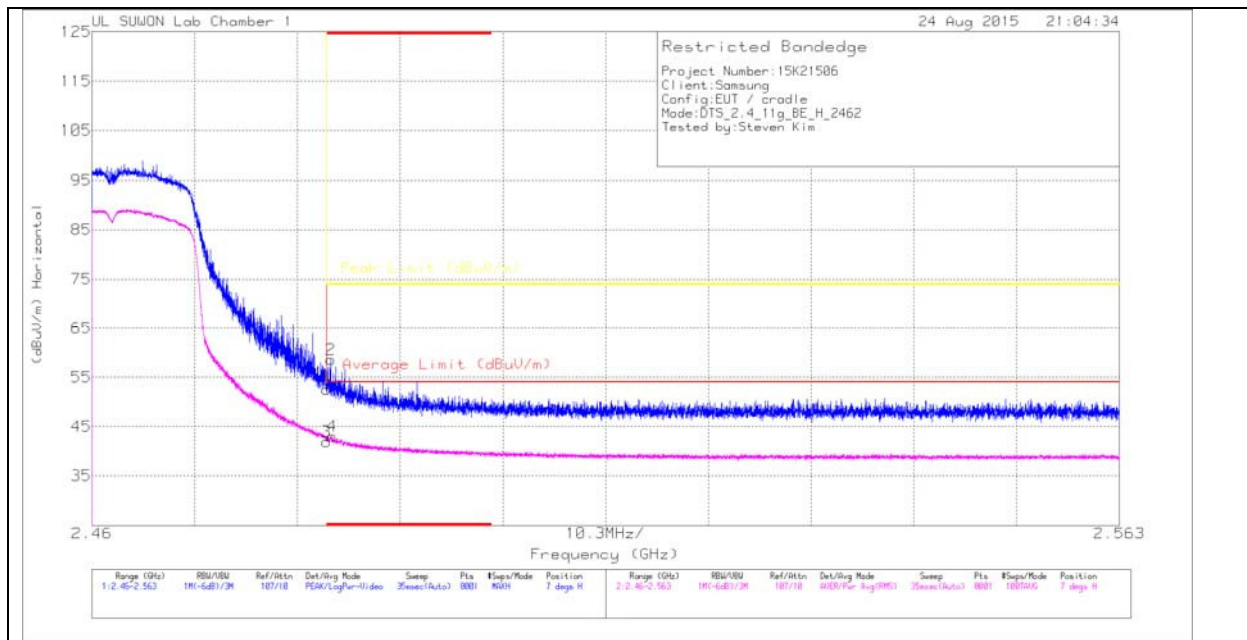
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

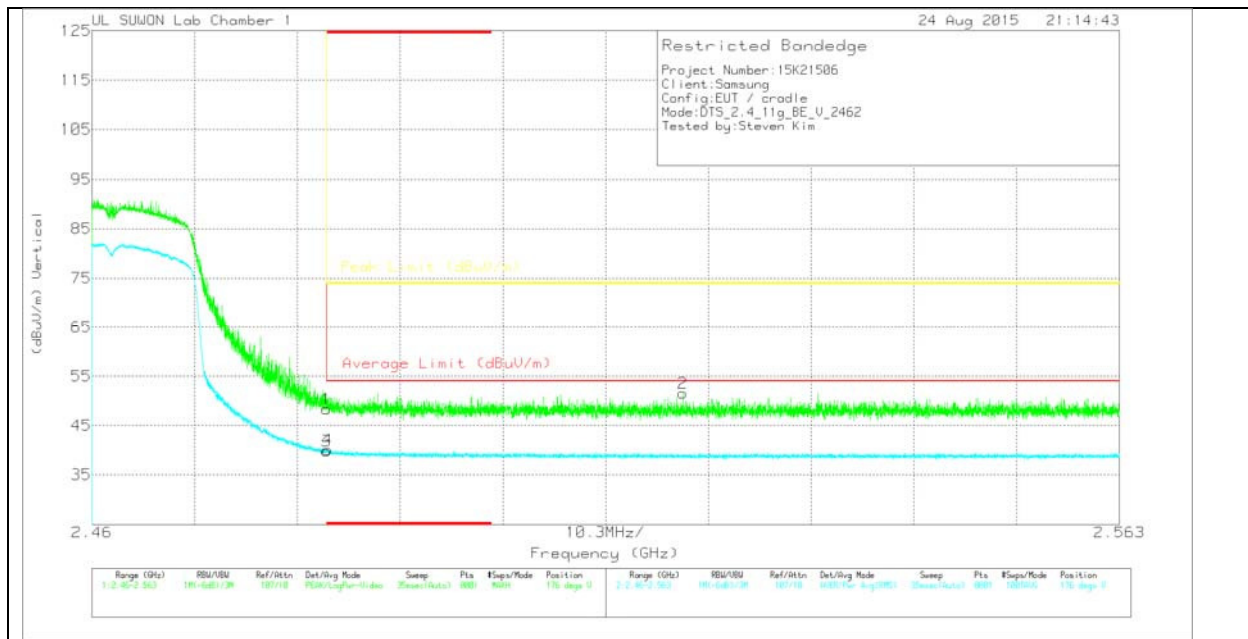
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.18	Pk	32	-22.6	0	52.58	-	-	74	-21.42	7	269	H
2	* 2.484	49.23	Pk	32	-22.6	0	58.63	-	-	74	-15.37	7	269	H
3	* 2.484	32.27	RMS	32	-22.6	.29	41.96	54	-12.04	-	-	7	269	H
4	* 2.484	33.3	RMS	32	-22.6	.29	42.99	54	-11.01	-	-	7	269	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	38.99	Pk	32	-22.6	0	48.39	-	-	74	-25.61	176	138	V
2	2.519	42.2	Pk	32	-22.6	0	51.6	-	-	74	-22.4	176	138	V
3	* 2.484	30.13	RMS	32	-22.6	.29	39.82	54	-14.18	-	-	176	138	V
4	* 2.484	30.33	RMS	32	-22.6	.29	40.02	54	-13.98	-	-	176	138	V

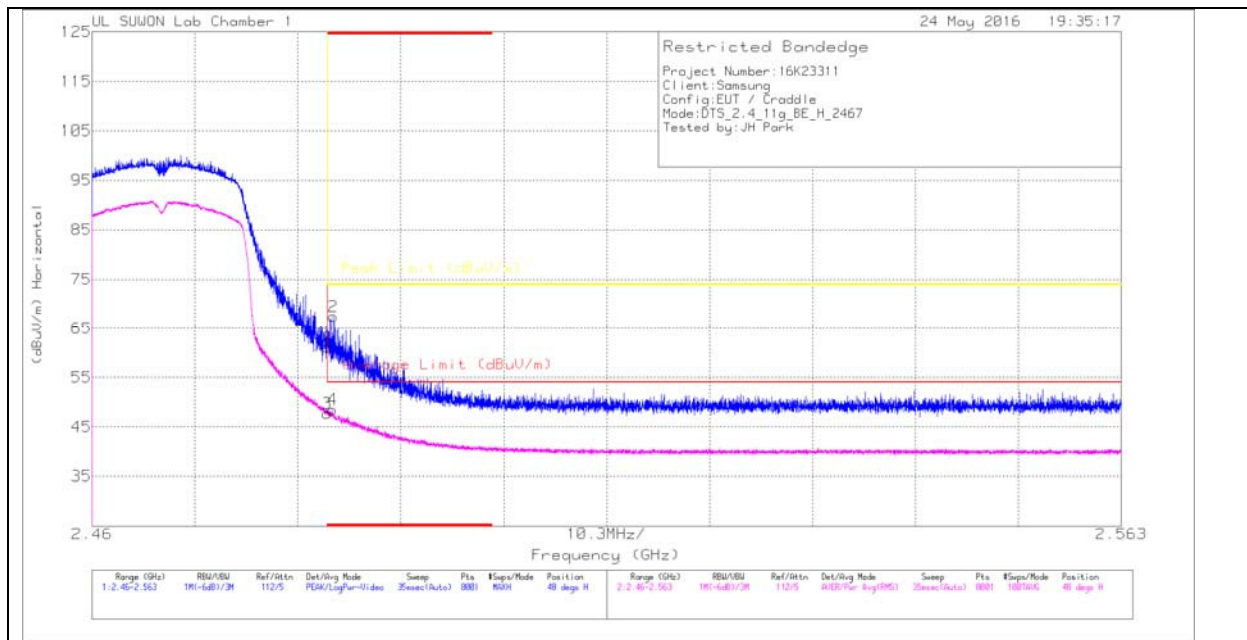
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

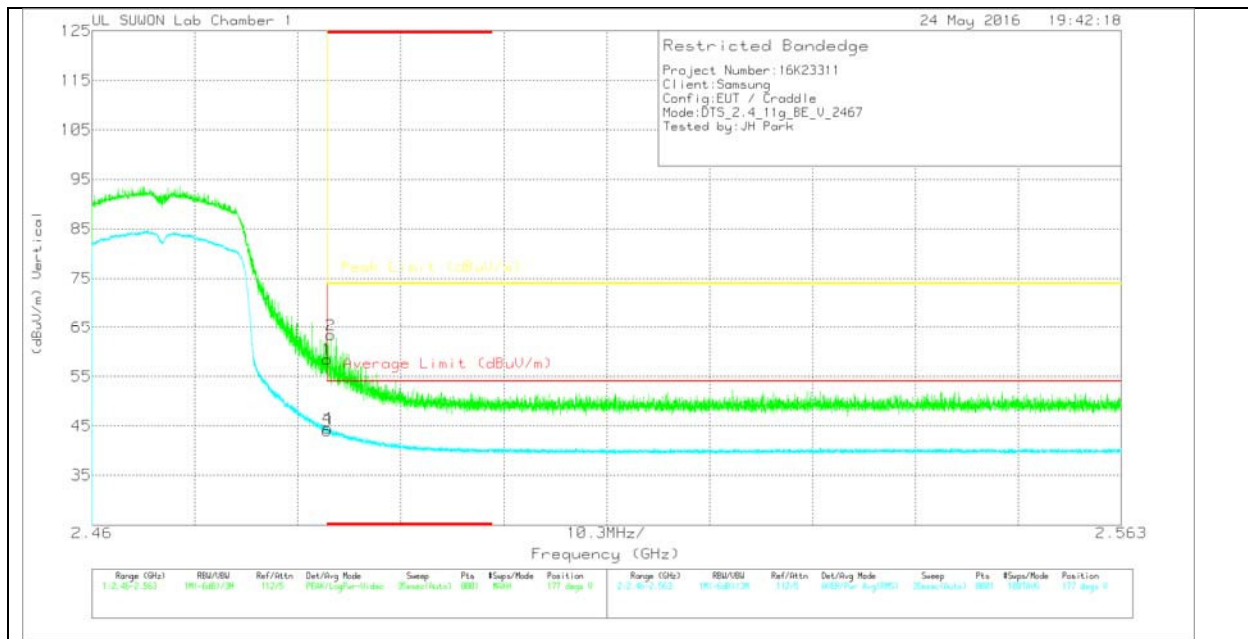
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.48	Pk	32	-28.3	0	61.18	-	-	74	-12.82	48	104	H
2	* 2.484	63.87	Pk	32	-28.3	0	67.57	-	-	74	-6.43	48	104	H
3	* 2.484	43.71	RMS	32	-28.3	.3	47.71	54	-6.29	-	-	48	104	H
4	* 2.484	44.53	RMS	32	-28.3	.3	48.53	54	-5.47	-	-	48	104	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.81	Pk	32	-28.3	0	58.51	-	-	74	-15.49	177	335	V
2	* 2.484	59.7	Pk	32	-28.3	0	63.4	-	-	74	-10.6	177	335	V
3	* 2.484	39.98	RMS	32	-28.3	.3	43.98	54	-10.02	-	-	177	335	V
4	* 2.484	40.47	RMS	32	-28.3	.3	44.47	54	-9.53	-	-	177	335	V

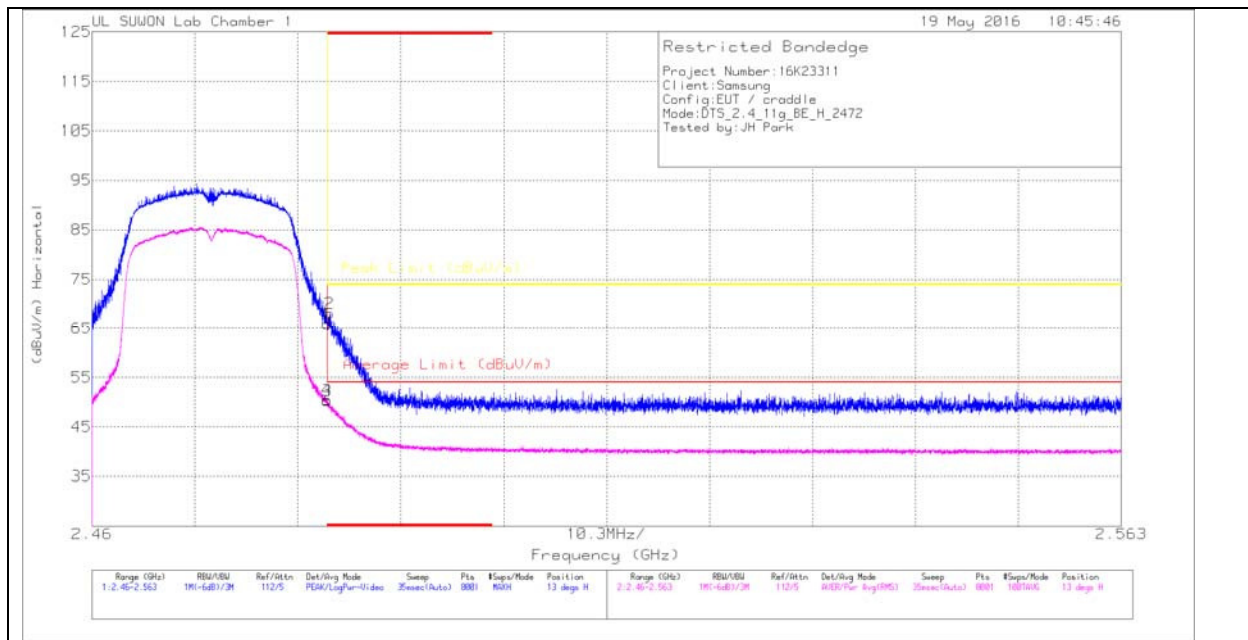
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

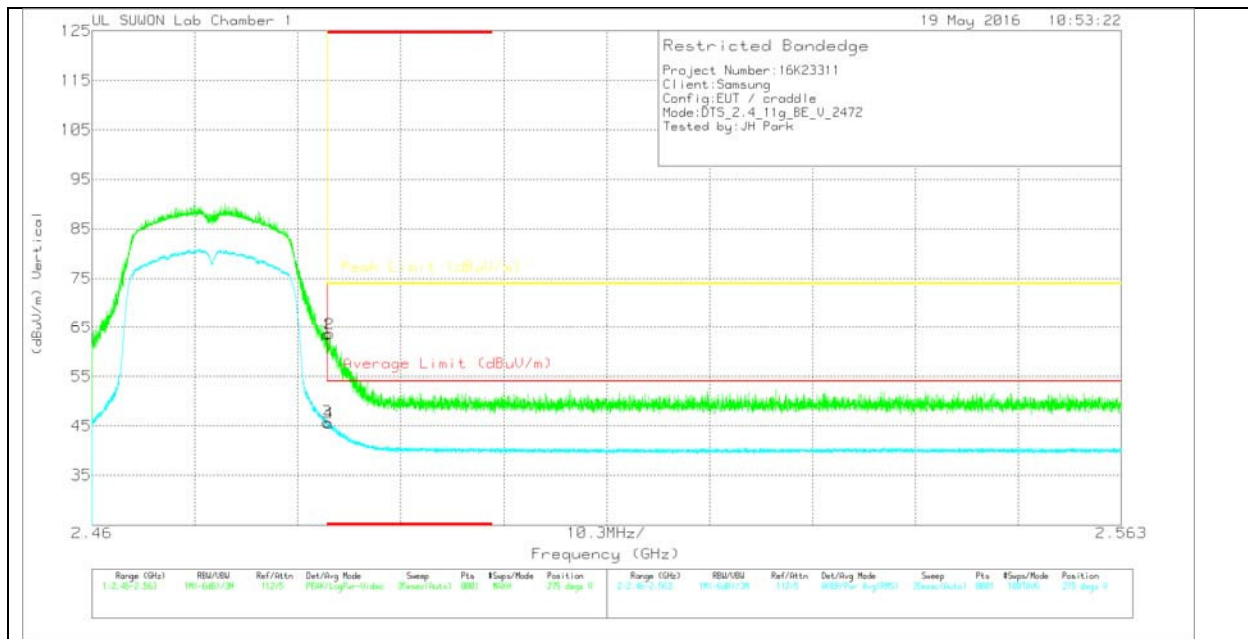
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	62.22	Pk	32	-28.3	0	65.92	-	-	74	-8.08	13	101	H
2	* 2.484	64.46	Pk	32	-28.3	0	68.16	-	-	74	-5.84	13	101	H
3	* 2.484	46.34	RMS	32	-28.3	.29	50.33	54	-3.67	-	-	13	101	H
4	* 2.484	46.48	RMS	32	-28.3	.29	50.47	54	-3.53	-	-	13	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	59.87	Pk	32	-28.3	0	63.57	-	-	74	-10.43	275	336	V
2	* 2.484	60.04	Pk	32	-28.3	0	63.74	-	-	74	-10.26	275	336	V
3	* 2.484	41.82	RMS	32	-28.3	.29	45.81	54	-8.19	-	-	275	336	V
4	* 2.484	41.46	RMS	32	-28.3	.29	45.45	54	-8.55	-	-	275	336	V

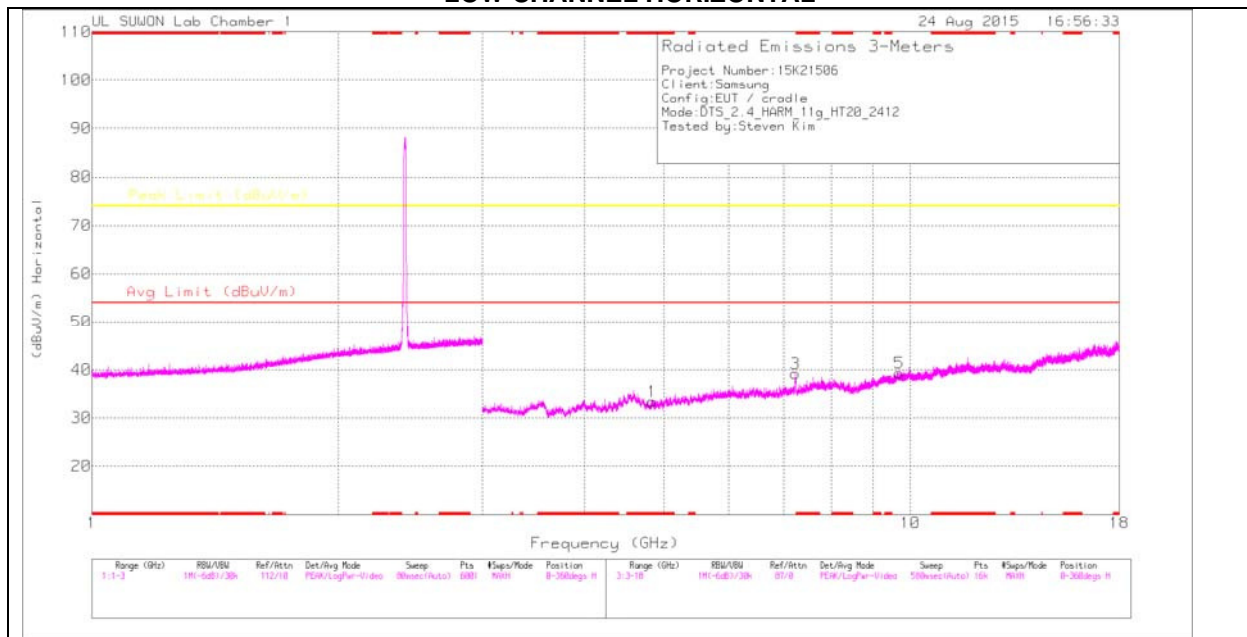
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

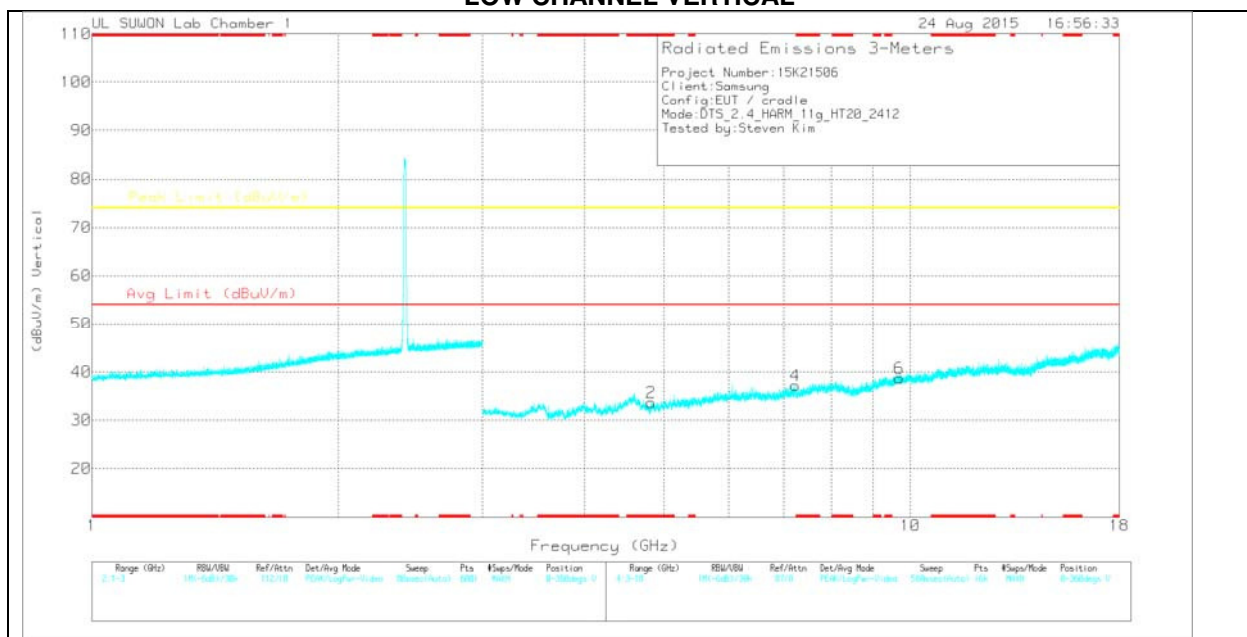
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 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	3117(0016872 4)_150619	Path_3	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	* 4.836	28.82	PK	34	-29.4	0	33.42	-	-	74	-40.58	0-360	100	H
3	7.233	29.08	PK	35.7	-25.5	0	39.28	-	-	74	-34.72	0-360	200	H
5	9.694	23.33	PK	37.1	-21.1	0	39.33	-	-	74	-34.67	0-360	100	H
2	* 4.825	29.21	PK	34	-29.5	0	33.71	-	-	74	-40.29	0-360	200	V
4	7.234	27.05	PK	35.7	-25.5	0	37.25	-	-	74	-36.75	0-360	200	V
6	9.687	22.72	PK	37.1	-21.1	0	38.72	-	-	74	-35.28	0-360	200	V

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

PK – Peak detector

Radiated Emissions

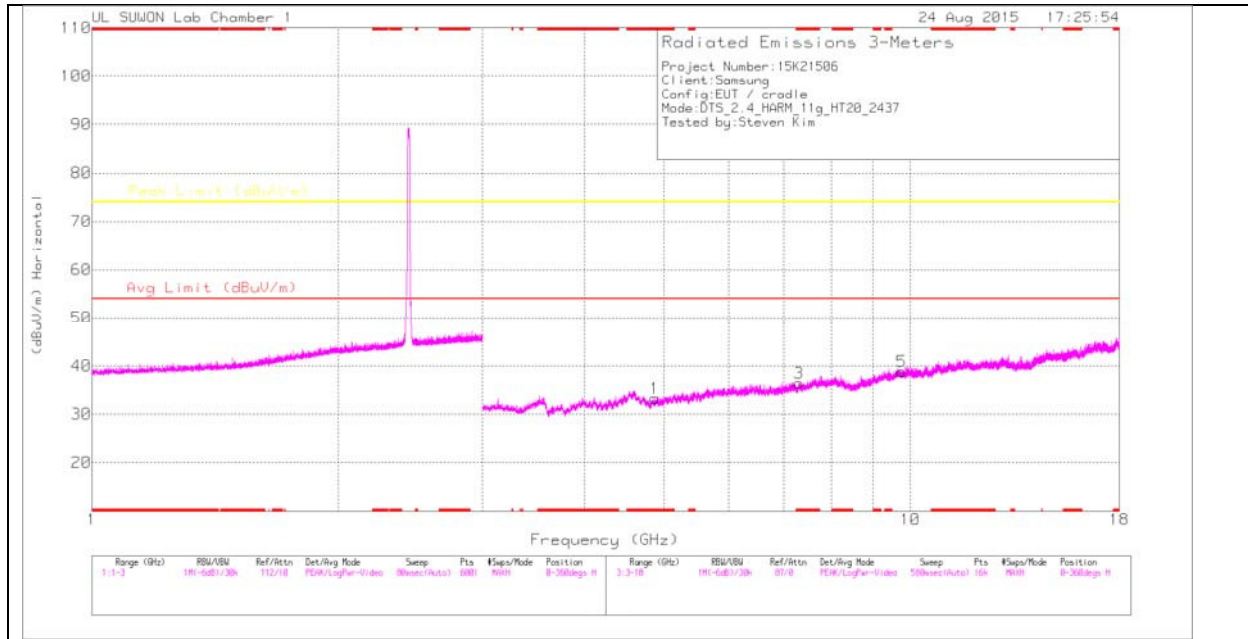
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.233	42.12	PK2	35.7	-25.5	0	52.32	-	-	74	-21.68	134	173	H

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

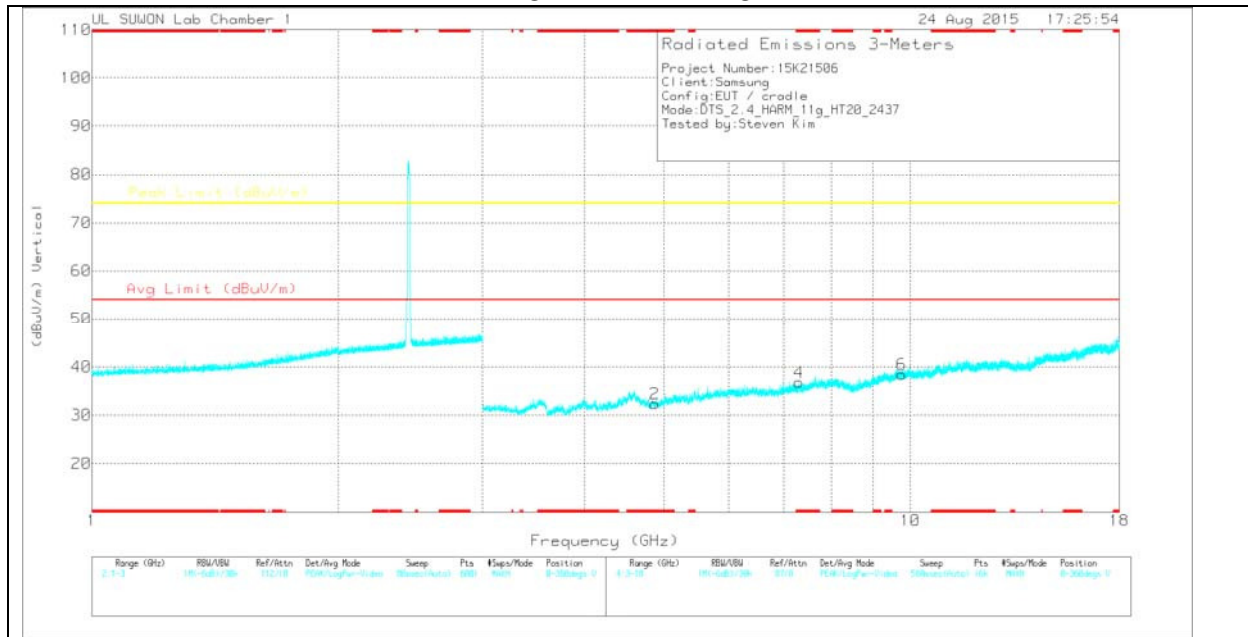
PK2 - KDB558074 Method: Maximum Peak

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

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

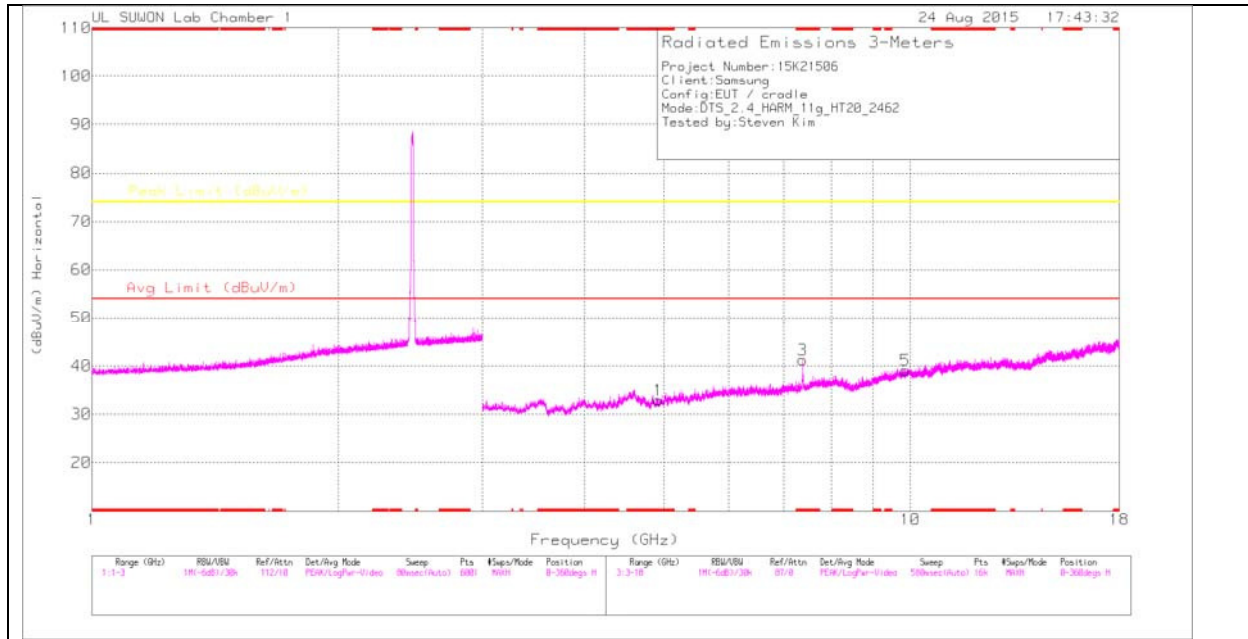
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.872	28.43	PK	34	-29.2	0	33.23	-	-	74	-40.77	0-360	200	H
3	* 7.311	26.5	PK	35.7	-25.7	0	36.5	-	-	74	-37.5	0-360	200	H
5	9.754	23.68	PK	37.2	-22	0	38.88	-	-	74	-35.12	0-360	100	H
2	* 4.869	27.55	PK	34	-29.2	0	32.35	-	-	74	-41.65	0-360	200	V
4	* 7.31	26.79	PK	35.7	-25.7	0	36.79	-	-	74	-37.21	0-360	200	V
6	9.753	23.23	PK	37.2	-22	0	38.43	-	-	74	-35.57	0-360	200	V

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

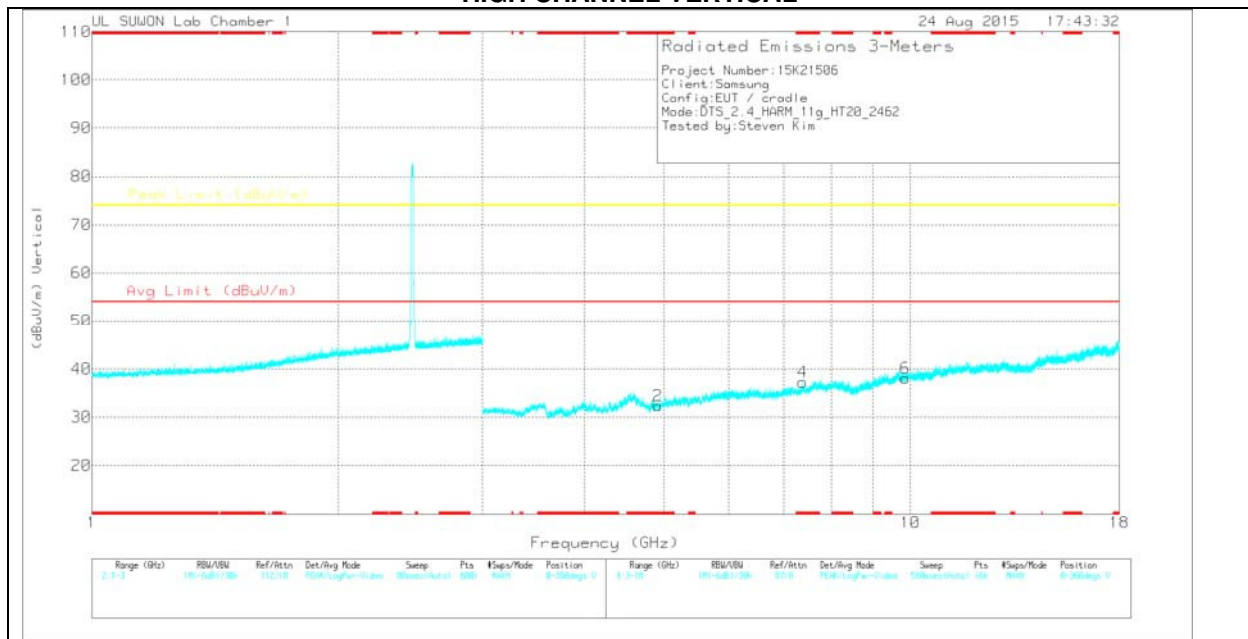
PK – Peak detector

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_3	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	* 4.919	28.01	PK	34	-29.1	0	32.91	-	-	74	-41.09	0-360	200	H
3	* 7.39	30.55	PK	35.8	-25.1	0	41.25	-	-	74	-32.75	0-360	200	H
5	9.862	23.2	PK	37.3	-21.4	0	39.1	-	-	74	-34.9	0-360	200	H
2	* 4.914	27.48	PK	34	-29.1	0	32.38	-	-	74	-41.62	0-360	200	V
4	* 7.389	26.57	PK	35.8	-25.1	0	37.27	-	-	74	-36.73	0-360	100	V
6	9.861	22.22	PK	37.3	-21.4	0	38.12	-	-	74	-35.88	0-360	100	V

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

PK – Peak detector

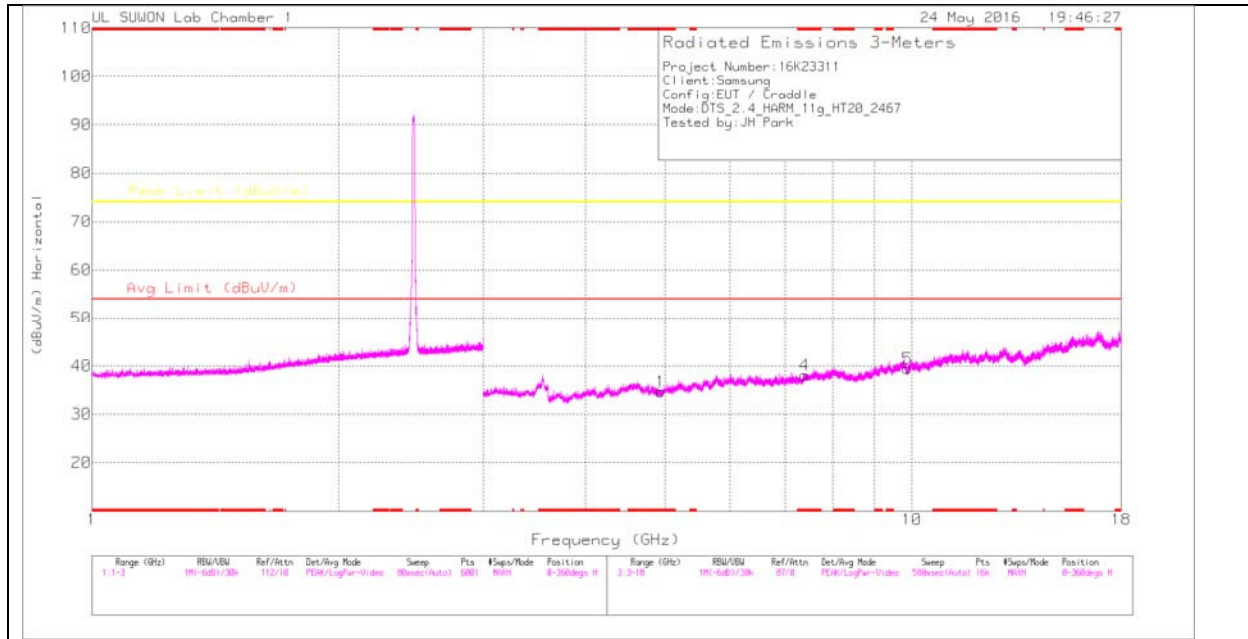
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.382	40.32	PK2	35.8	-25.1	0	51.02	-	-	74	-22.98	176	171	H
* 7.386	26.36	MAv1	35.8	-25.1	.29	37.35	54	-16.65	-	-	176	171	H
* 7.382	39.84	PK2	35.8	-25.1	0	50.54	-	-	74	-23.46	16	192	V
* 7.386	23.74	MAv1	35.8	-25.1	.29	34.73	54	-19.27	-	-	16	192	V

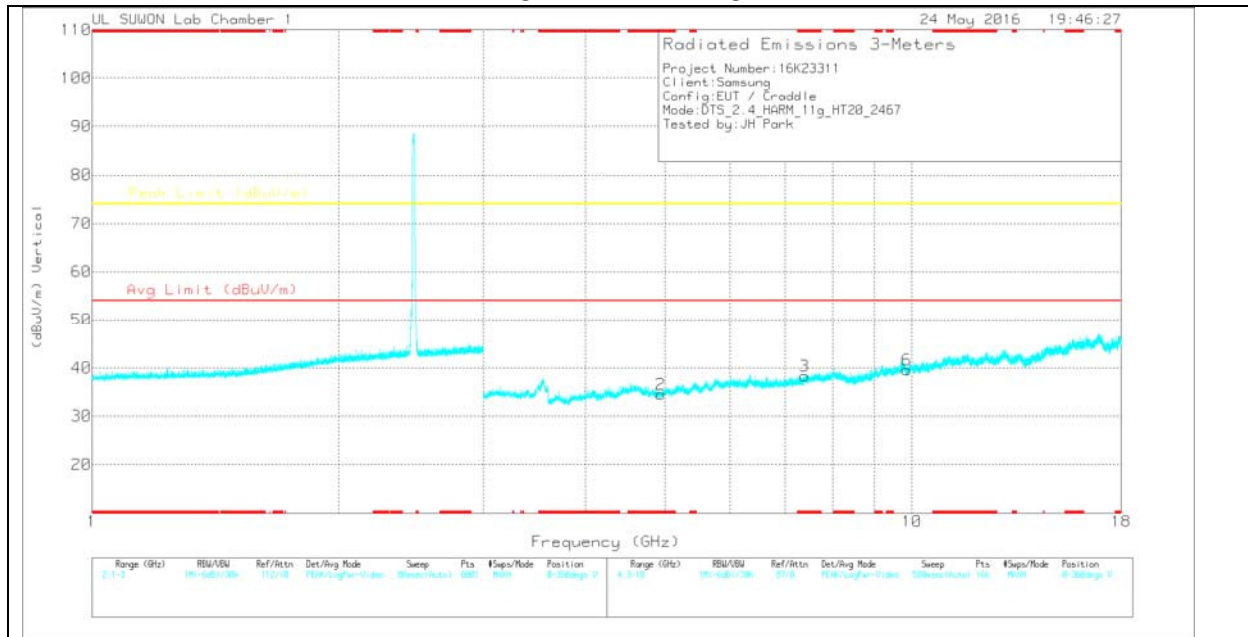
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK2 - KDB558074 Method: Maximum Peak

12 CHANNEL HORIZONTAL



12 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.

12 CHANNEL DATA

Trace Markers

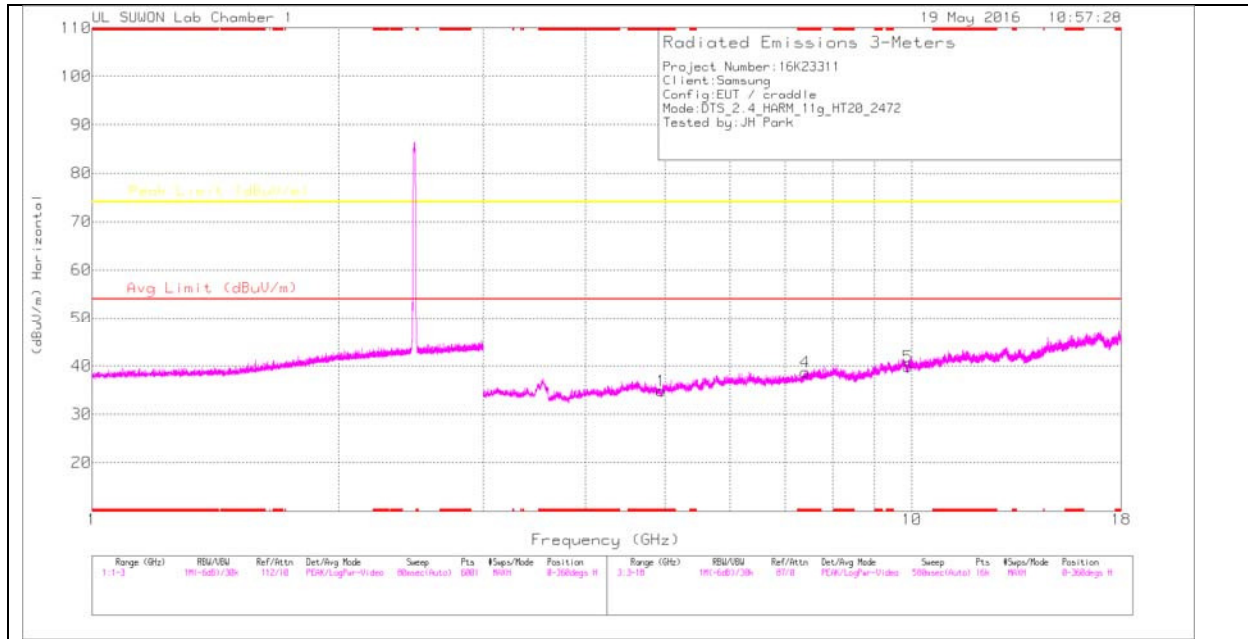
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016871 7)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.938	34.68	PK	34	-34	0	34.68	-	-	74	-39.32	0-360	200	H
4	* 7.401	32.92	PK	35.8	-30.6	0	38.12	-	-	74	-35.88	0-360	100	H
5	9.87	30.07	PK	37.3	-27.9	0	39.47	-	-	74	-34.53	0-360	100	H
2	* 4.935	34.6	PK	34	-34	0	34.6	-	-	74	-39.4	0-360	200	V
3	* 7.403	33.16	PK	35.8	-30.6	0	38.36	-	-	74	-35.64	0-360	100	V
6	9.866	30.26	PK	37.3	-27.9	0	39.66	-	-	74	-34.34	0-360	200	V

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

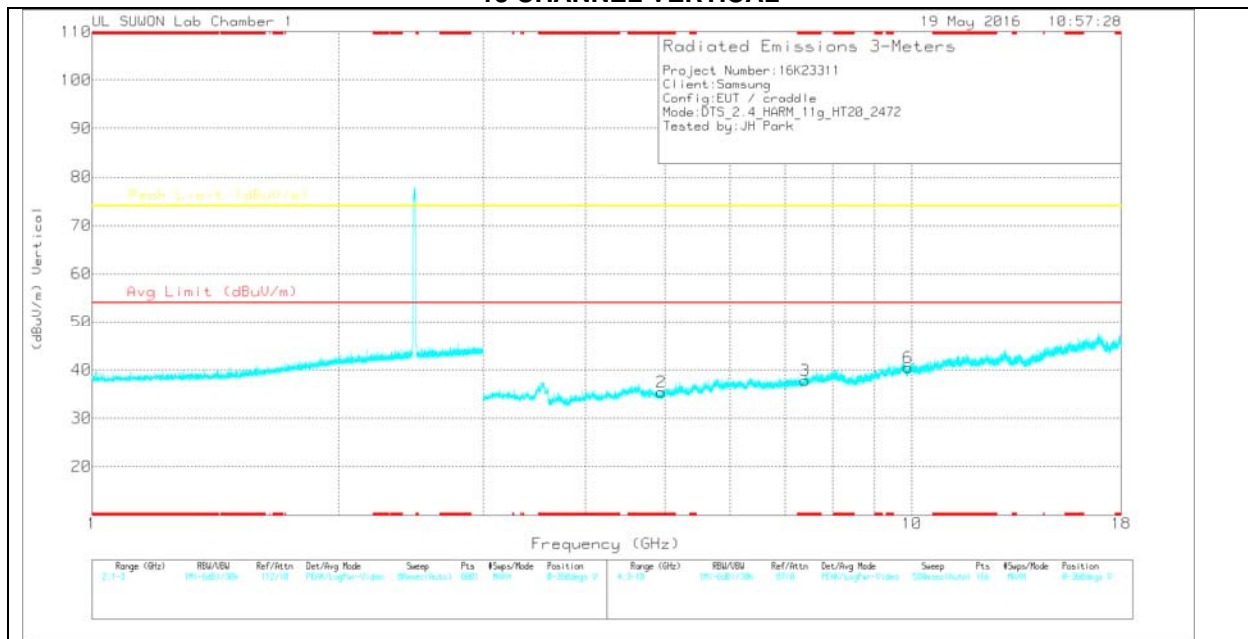
PK – Peak detector

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

13 CHANNEL HORIZONTAL



13 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.

13 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016871 7)_150619	Path_3	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	* 4.944	34.77	PK	34	-34	0	34.77	-	-	74	-39.23	0-360	200	H
4	* 7.415	33.67	PK	35.8	-30.7	0	38.77	-	-	74	-35.23	0-360	200	H
5	9.887	30.49	PK	37.3	-27.9	0	39.89	-	-	74	-34.11	0-360	200	H
2	* 4.944	35.49	PK	34	-34	0	35.49	-	-	74	-38.51	0-360	100	V
3	* 7.415	32.75	PK	35.8	-30.7	0	37.85	-	-	74	-36.15	0-360	200	V
6	9.89	30.94	PK	37.3	-27.8	0	40.44	-	-	74	-33.56	0-360	200	V

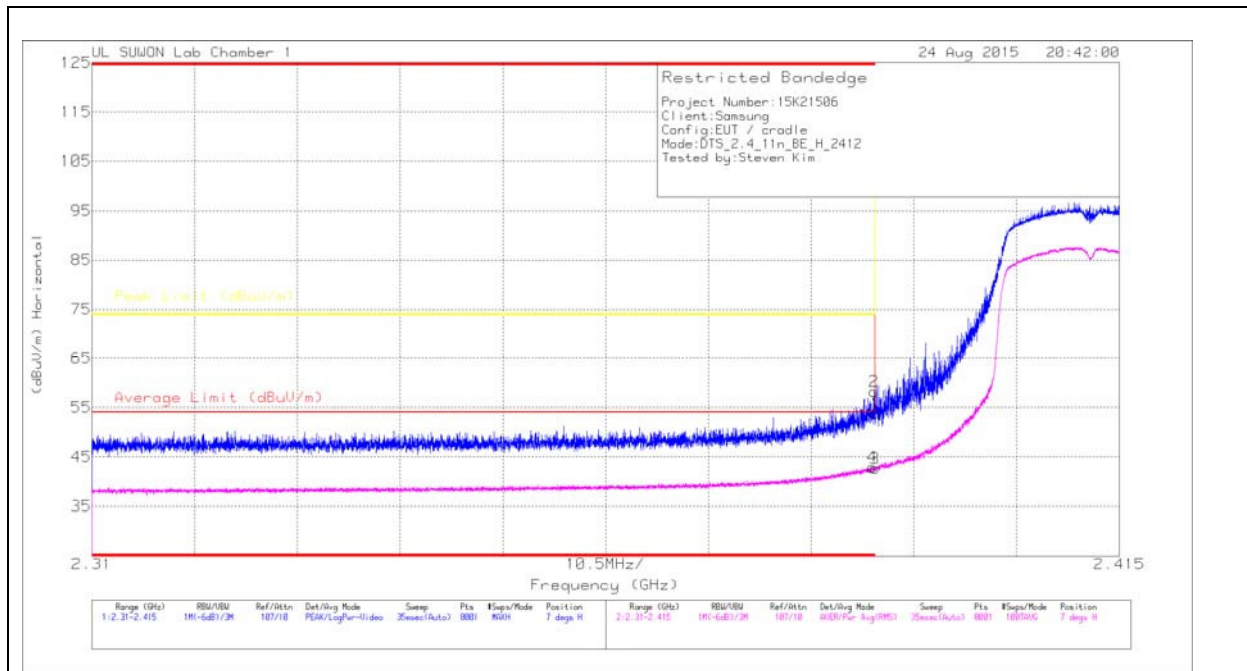
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

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

11.2.3. 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

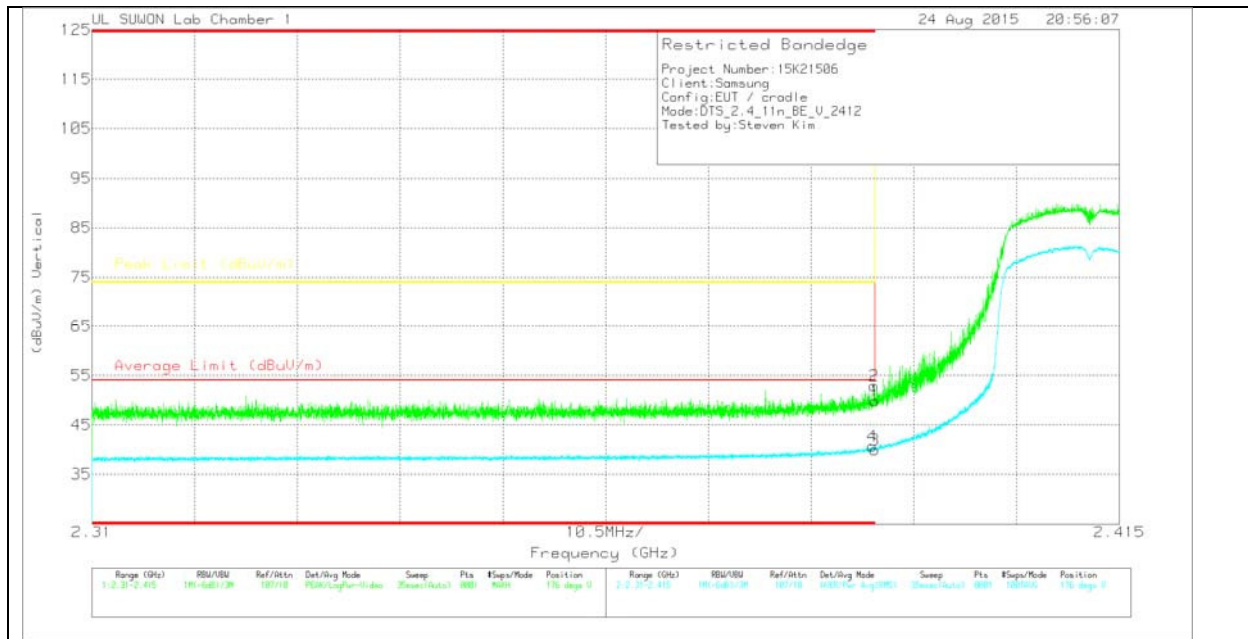
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	44.8	Pk			0	53.8	-	-	74	-20.2	7	100	H
2	* 2.39	49.21	Pk			0	58.21	-	-	74	-15.79	7	100	H
3	* 2.39	33.38	RMS			.32	42.7	54	-11.3	-	-	7	100	H
4	* 2.39	33.62	RMS			.32	42.94	54	-11.06	-	-	7	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.88	Pk	31.8	-22.8	0	49.88	-	-	74	-24.12	176	135	V
2	* 2.39	43.9	Pk	31.8	-22.8	0	52.9	-	-	74	-21.1	176	135	V
3	* 2.39	30.66	RMS	31.8	-22.8	.32	39.98	54	-14.02	-	-	176	135	V
4	* 2.39	31.41	RMS	31.8	-22.8	.32	40.73	54	-13.27	-	-	176	135	V

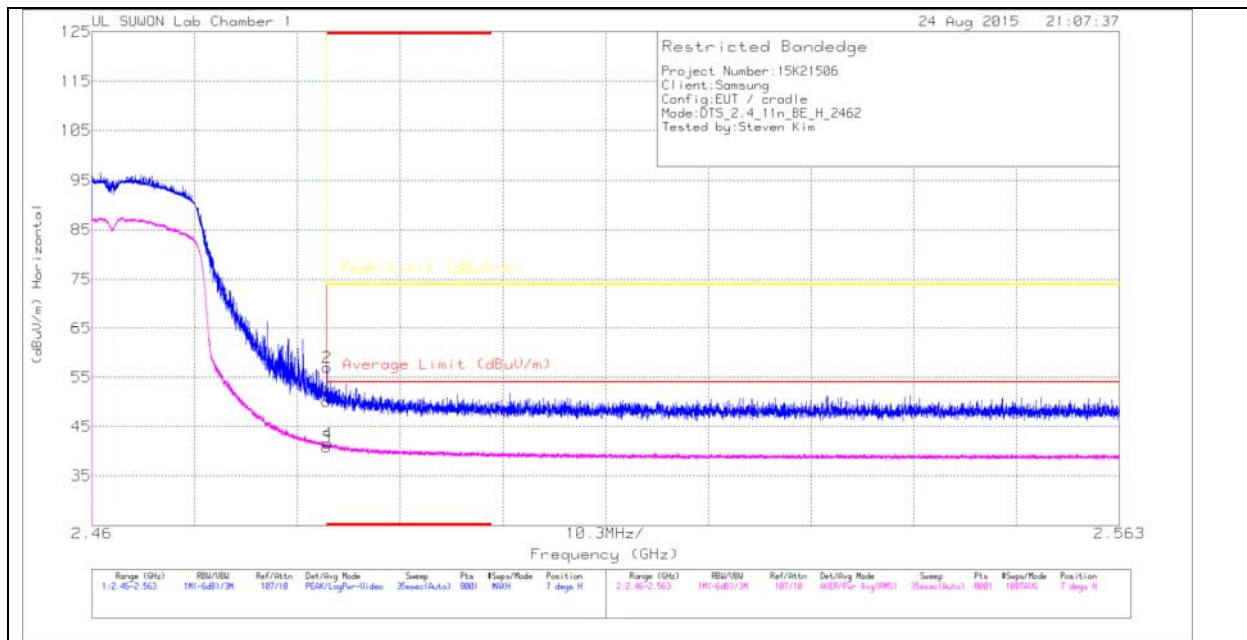
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

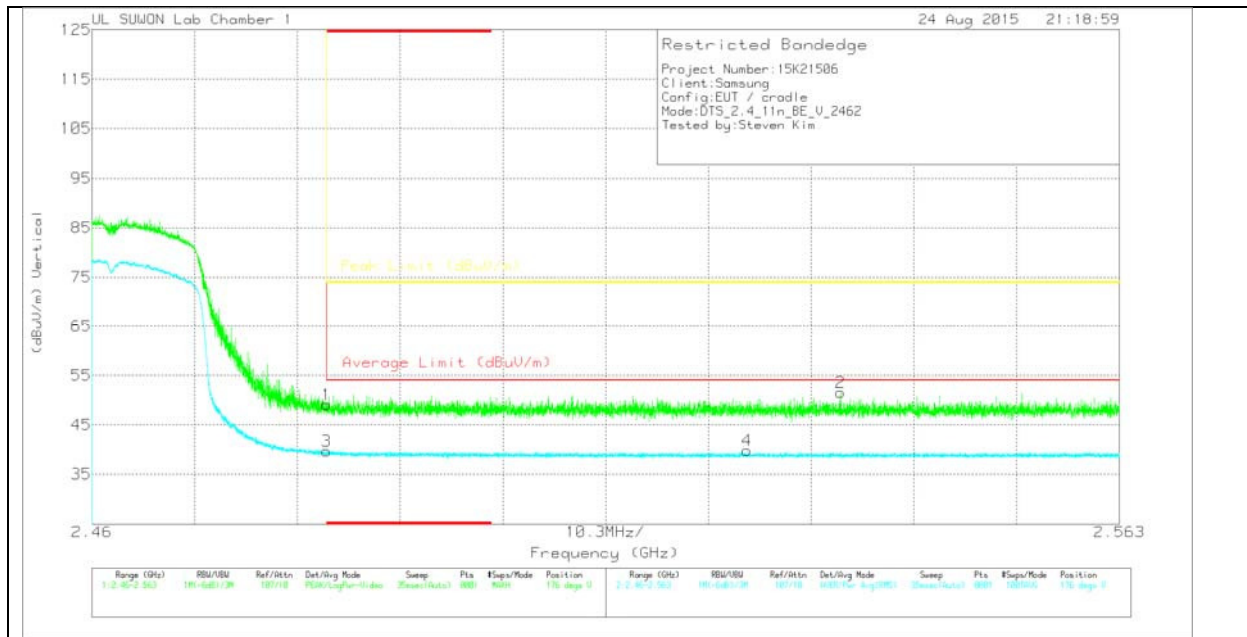
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.63	Pk	32	-22.6	0	50.03	-	-	74	-23.97	7	269	H
2	* 2.484	47.58	Pk	32	-22.6	0	56.98	-	-	74	-17.02	7	269	H
3	* 2.484	31.1	RMS	32	-22.6	.32	40.82	54	-13.18	-	-	7	269	H
4	* 2.484	31.8	RMS	32	-22.6	.32	41.52	54	-12.48	-	-	7	269	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.71	Pk	32	-22.6	0	49.11	-	-	74	-24.89	176	138	V
2	2.535	42.12	Pk	32	-22.6	0	51.52	-	-	74	-22.48	176	138	V
3	* 2.484	29.93	RMS	32	-22.6	.32	39.65	54	-14.35	-	-	176	138	V
4	2.526	30.07	RMS	32	-22.6	.32	39.79	54	-14.21	-	-	176	138	V

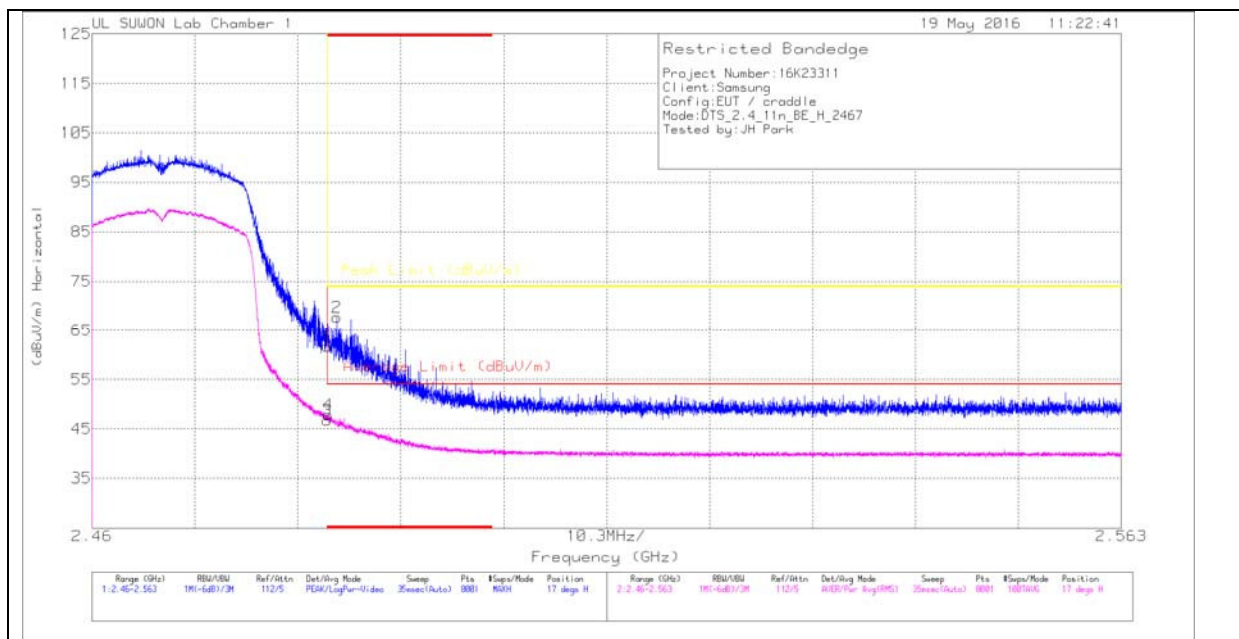
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

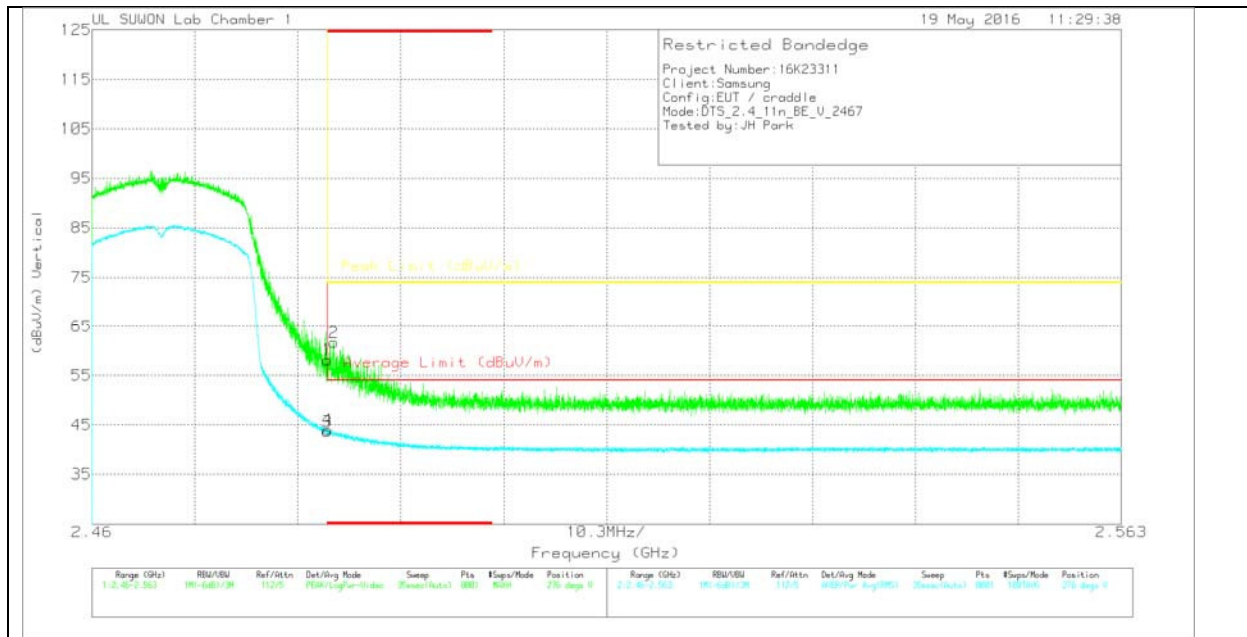
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.98	Pk	32	-28.3	0	61.68	-	-	74	-12.32	17	102	H
2	* 2.484	64.03	Pk	32	-28.3	0	67.73	-	-	74	-6.27	17	102	H
3	* 2.484	42.77	RMS	32	-28.3	.32	46.79	54	-7.21	-	-	17	102	H
4	* 2.484	43.84	RMS	32	-28.3	.32	47.86	54	-6.14	-	-	17	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	54.48	Pk	32	-28.3	0	58.18	-	-	74	-15.82	276	337	V
2	* 2.484	58.04	Pk	32	-28.3	0	61.74	-	-	74	-12.26	276	337	V
3	* 2.484	39.58	RMS	32	-28.3	.32	43.6	54	-10.4	-	-	276	337	V
4	* 2.484	39.96	RMS	32	-28.3	.32	43.98	54	-10.02	-	-	276	337	V

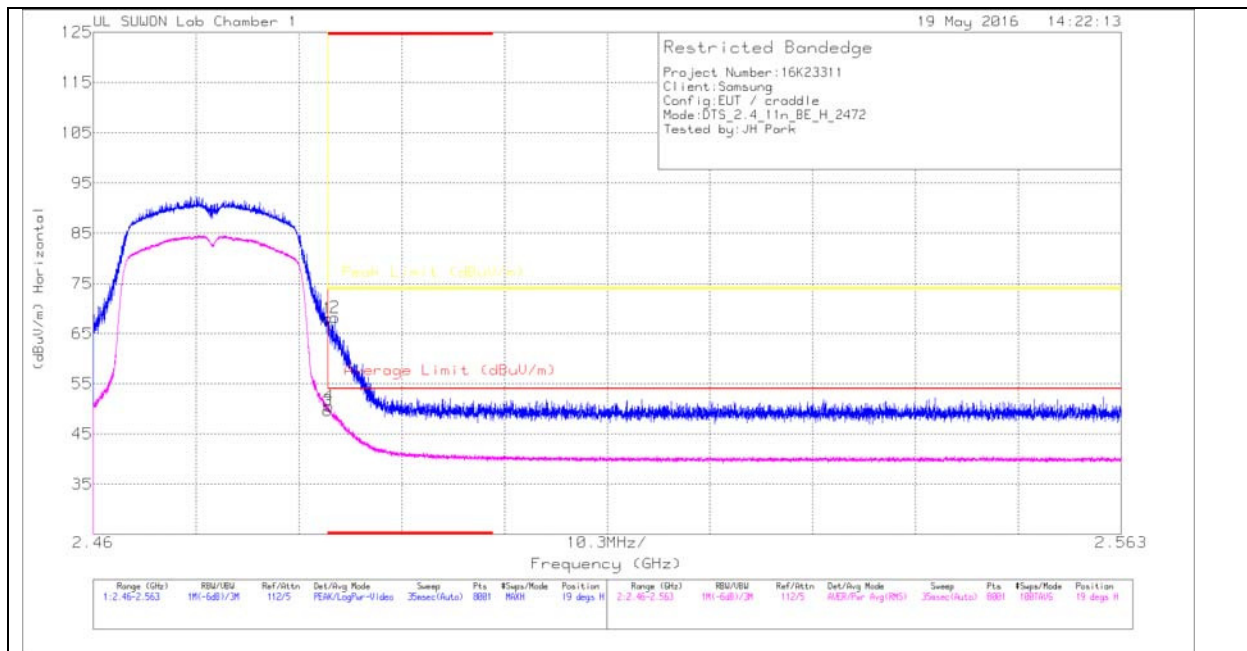
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

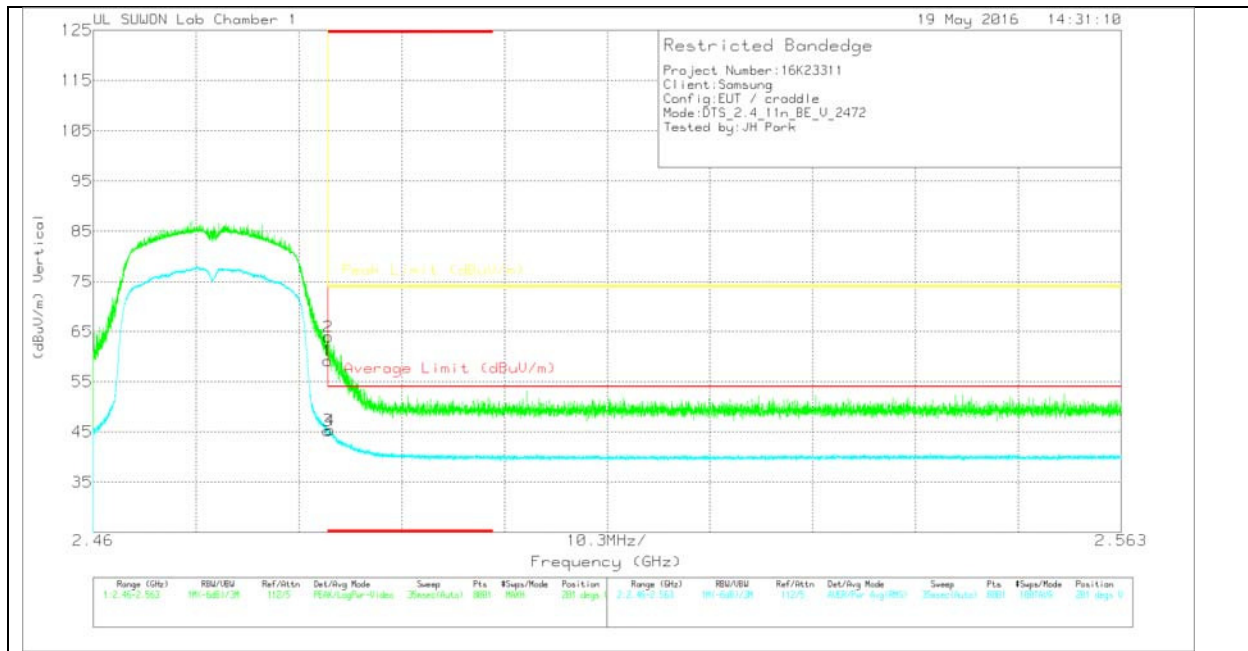
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	64.4	Pk	32	-28.3	0	68.1	-	-	74	-5.9	19	100	H
2	* 2.484	64.6	Pk	32	-28.3	0	68.3	-	-	74	-5.7	19	100	H
3	* 2.484	45.62	RMS	32	-28.3	.32	49.64	54	-4.36	-	-	19	100	H
4	* 2.484	46.54	RMS	32	-28.3	.32	50.56	54	-3.44	-	-	19	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.44	Pk	32	-28.3	0	59.14	-	-	74	-14.86	201	167	V
2	* 2.484	60.24	Pk	32	-28.3	0	63.94	-	-	74	-10.06	201	167	V
3	* 2.484	41.26	RMS	32	-28.3	.32	45.28	54	-8.72	-	-	201	167	V
4	* 2.484	41.35	RMS	32	-28.3	.32	45.37	54	-8.63	-	-	201	167	V

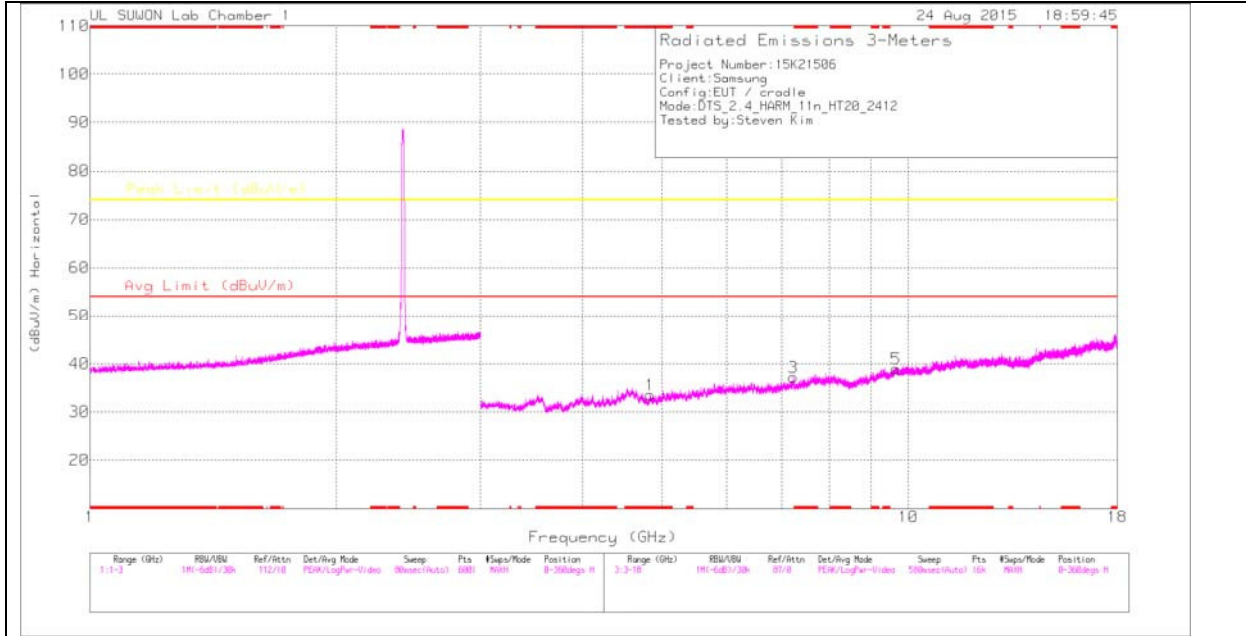
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

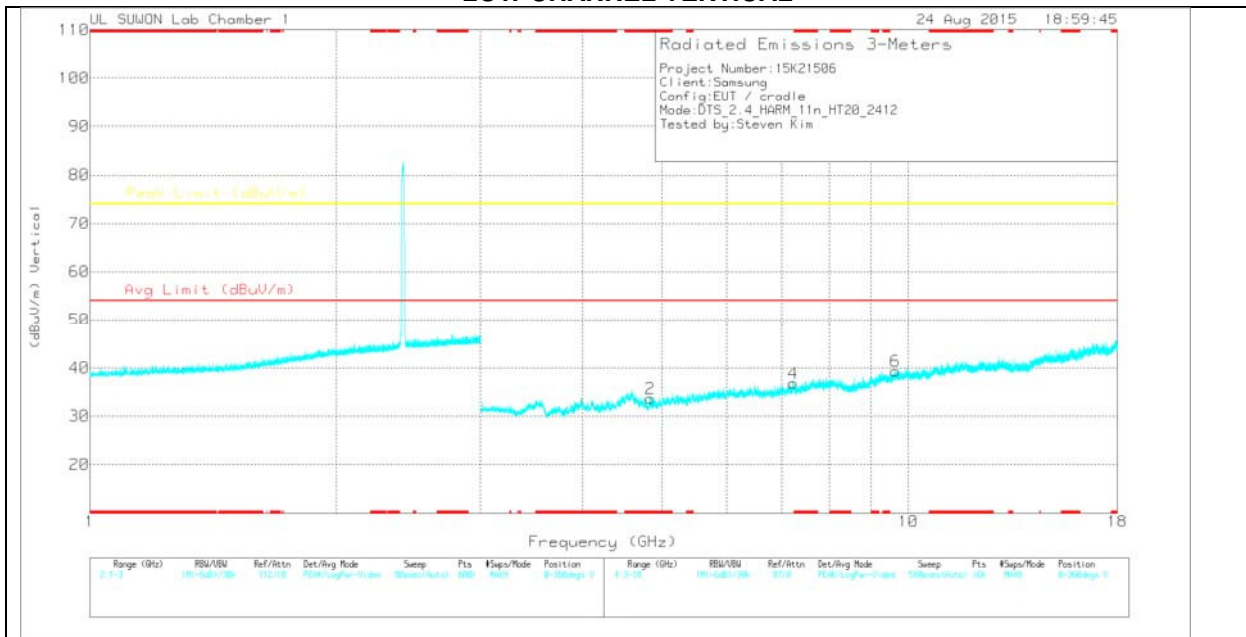
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

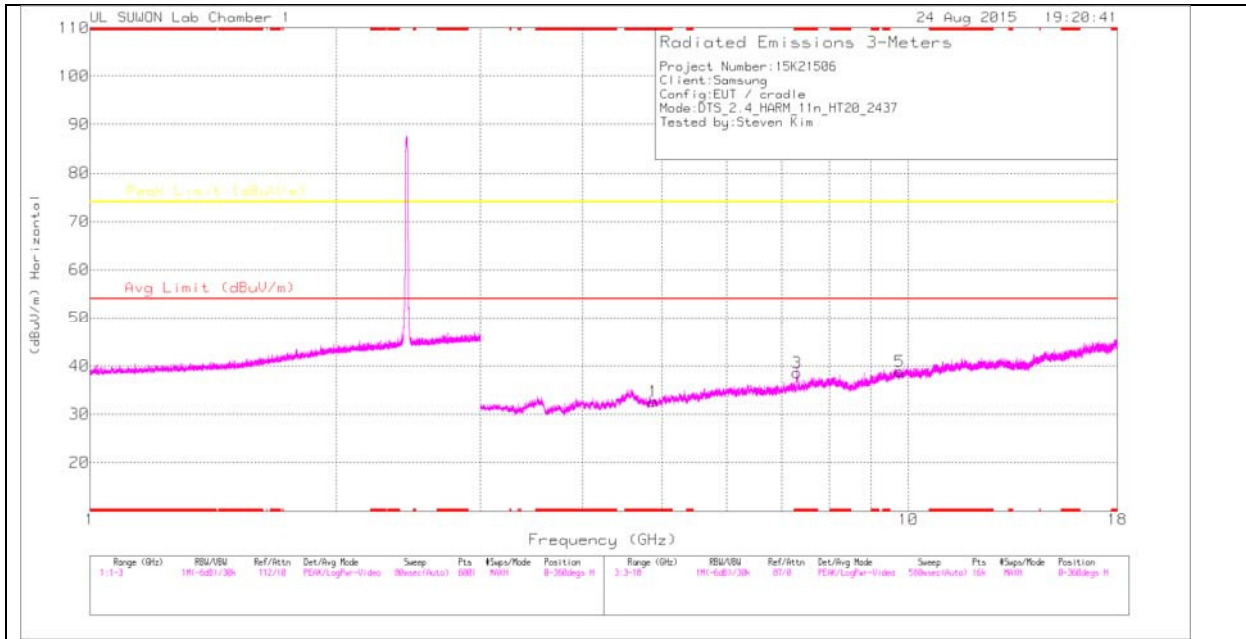
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.835	28.91	PK	34	-29.4	0	33.51	-	-	74	-40.49	0-360	200	H
3	7.235	26.97	PK	35.7	-25.5	0	37.17	-	-	74	-36.83	0-360	200	H
5	9.65	22.64	PK	37.1	-20.8	0	38.94	-	-	74	-35.06	0-360	100	H
2	* 4.836	29.06	PK	34	-29.4	0	33.66	-	-	74	-40.34	0-360	100	V
4	7.237	26.62	PK	35.7	-25.5	0	36.82	-	-	74	-37.18	0-360	200	V
6	9.647	23.1	PK	37.1	-20.8	0	39.4	-	-	74	-34.6	0-360	200	V

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

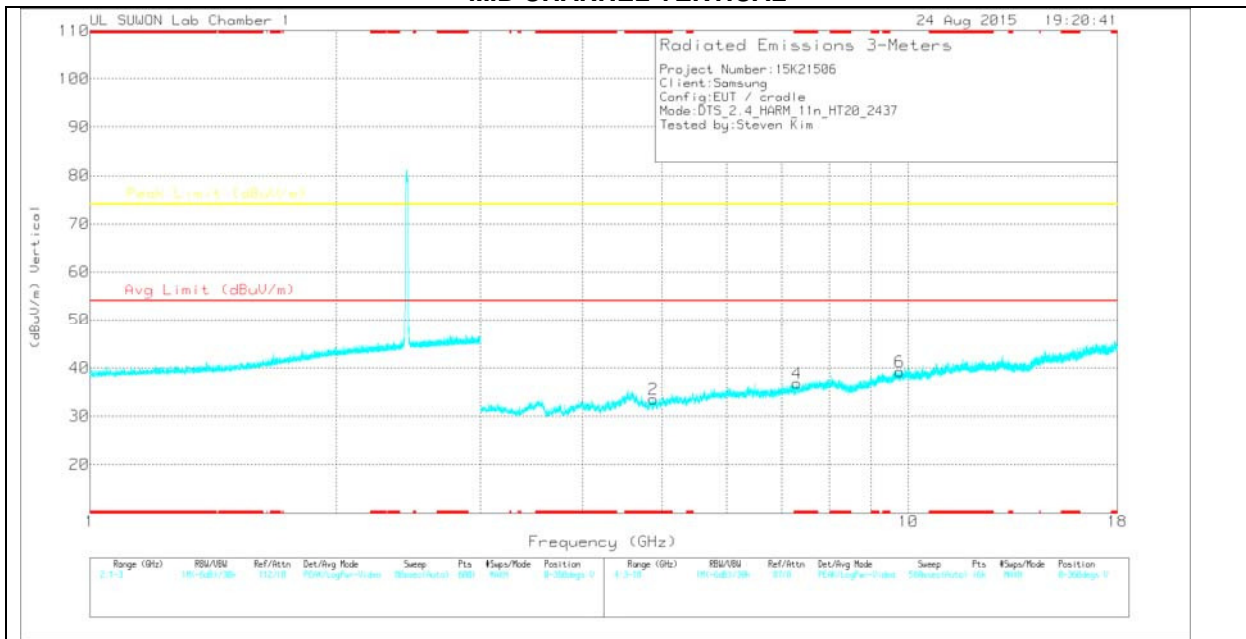
PK – Peak detector

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

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	3117(0016872 4)_150619	Path_3	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	* 4.88	27.72	PK	34	-29.1	0	32.62	-	-	74	-41.38	0-360	100	H
3	* 7.31	28.62	PK	35.7	-25.7	0	38.62	-	-	74	-35.38	0-360	200	H
5	9.757	23.61	PK	37.2	-22	0	38.81	-	-	74	-35.19	0-360	200	H
2	* 4.876	28.69	PK	34	-29.2	0	33.49	-	-	74	-40.51	0-360	100	V
4	* 7.308	26.8	PK	35.7	-25.7	0	36.8	-	-	74	-37.2	0-360	200	V
6	9.758	23.98	PK	37.2	-22	0	39.18	-	-	74	-34.82	0-360	200	V

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

PK – Peak detector

Radiated Emissions

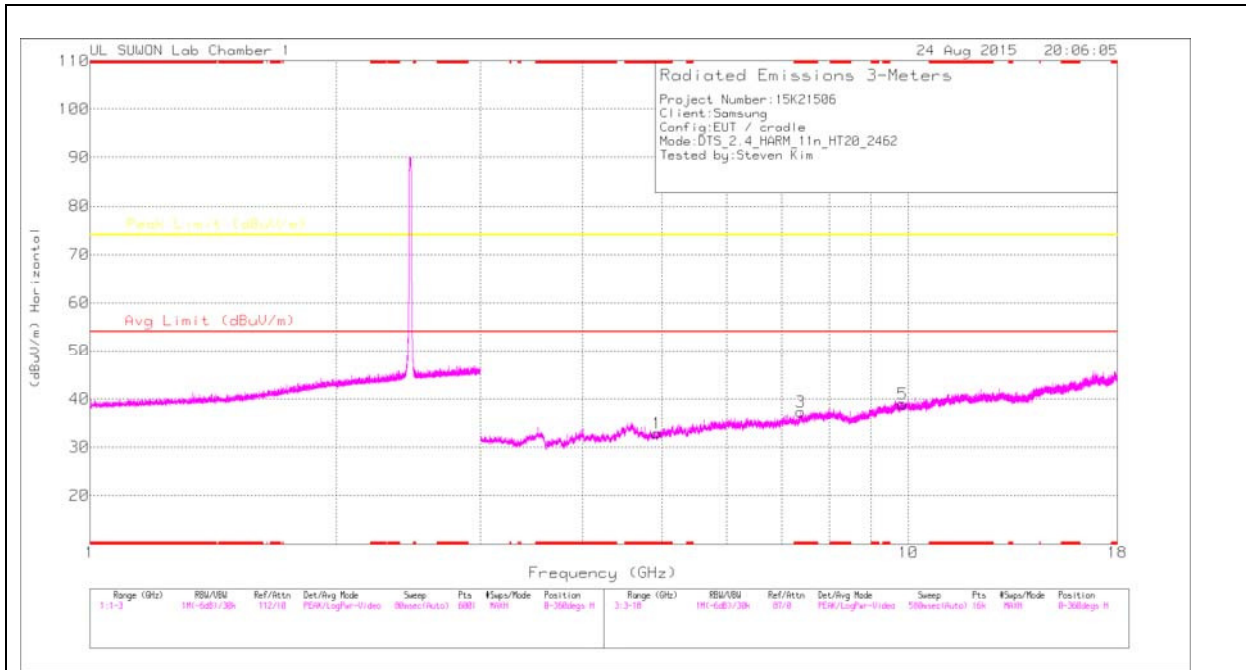
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.311	37.96	PK2	35.7	-25.7	0	47.96	-	-	74	-26.04	250	163	H
* 7.311	24.75	MAv1	35.7	-25.7	.32	35.07	54	-18.93	-	-	250	163	H

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

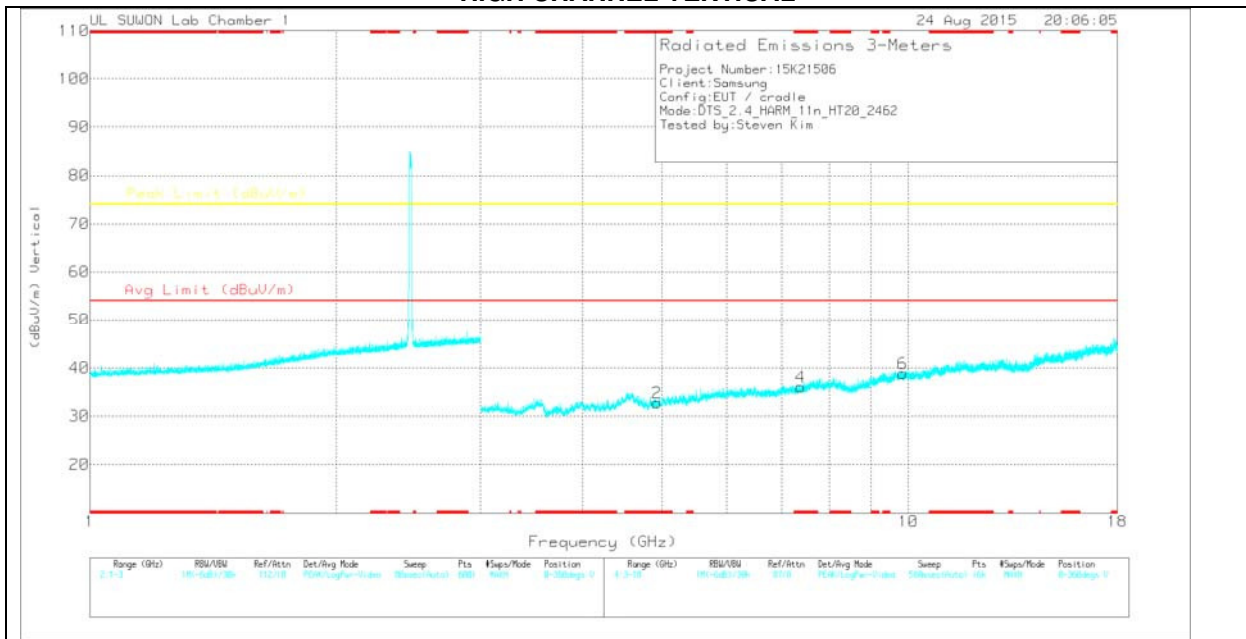
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

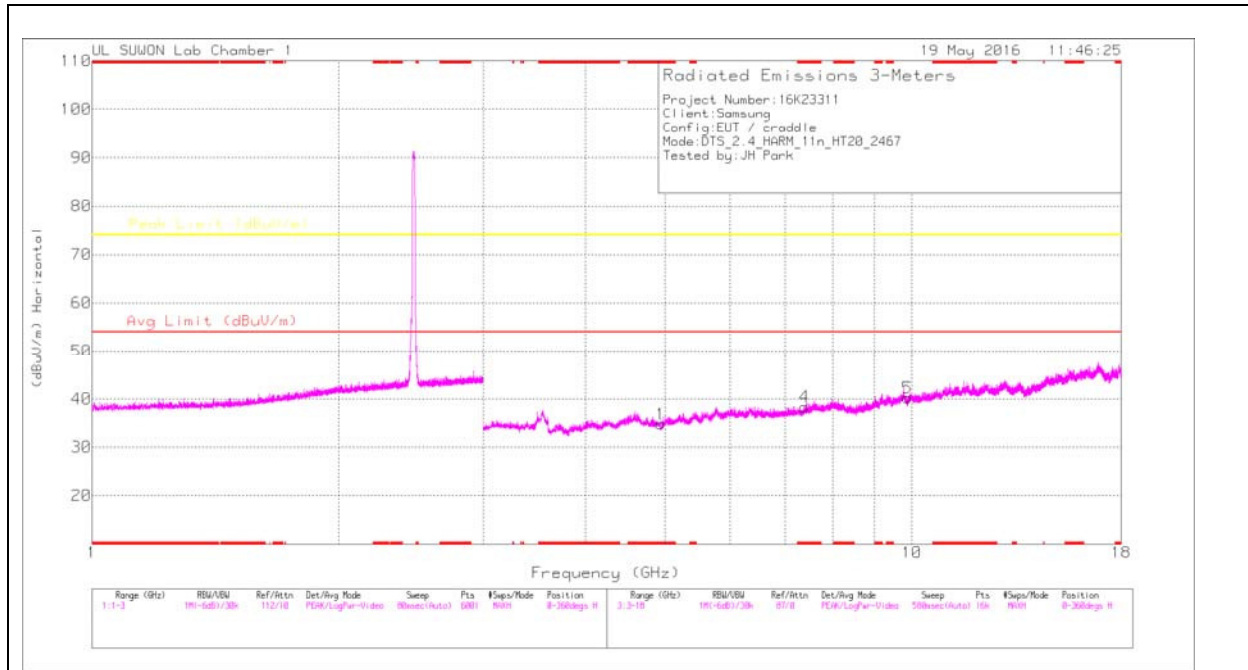
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.934	27.92	PK	34	-29	0	32.92	-	-	74	-41.08	0-360	100	H
3	* 7.386	26.65	PK	35.8	-25.1	0	37.35	-	-	74	-36.65	0-360	200	H
5	9.849	23.27	PK	37.3	-21.6	0	38.97	-	-	74	-35.03	0-360	100	H
2	* 4.931	27.73	PK	34	-29	0	32.73	-	-	74	-41.27	0-360	100	V
4	* 7.385	25.33	PK	35.8	-25.1	0	36.03	-	-	74	-37.97	0-360	100	V
6	9.846	23.09	PK	37.3	-21.6	0	38.79	-	-	74	-35.21	0-360	100	V

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

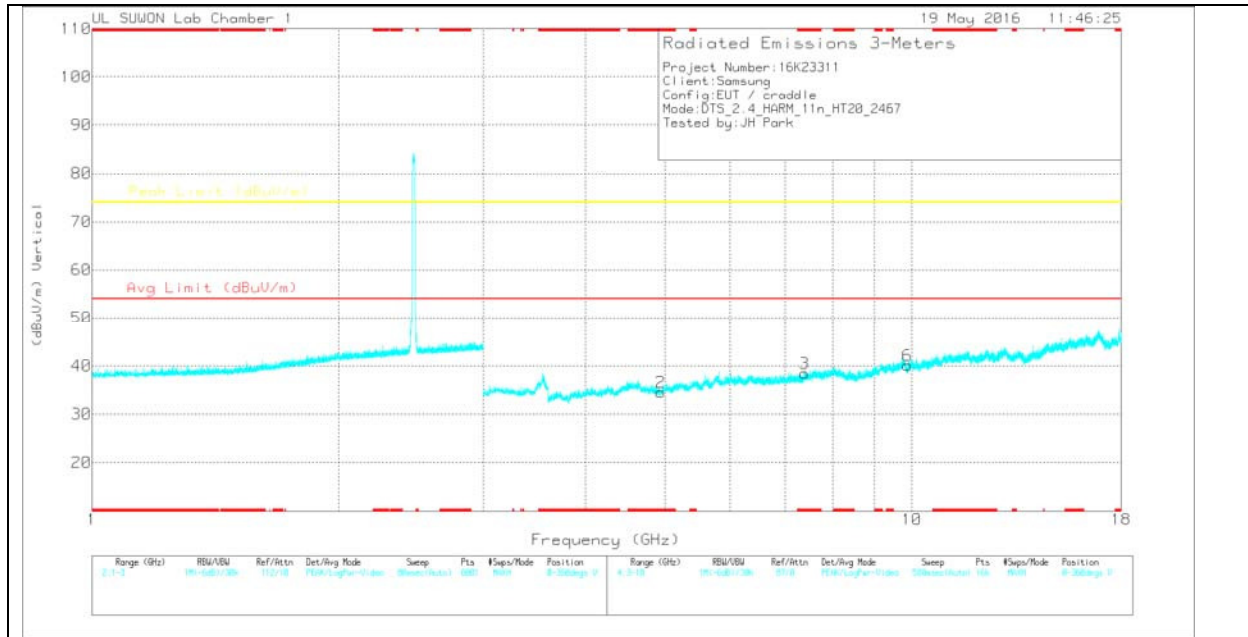
PK – Peak detector

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

12 CHANNEL HORIZONTAL



12 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.

12 CHANNEL DATA

Trace Markers

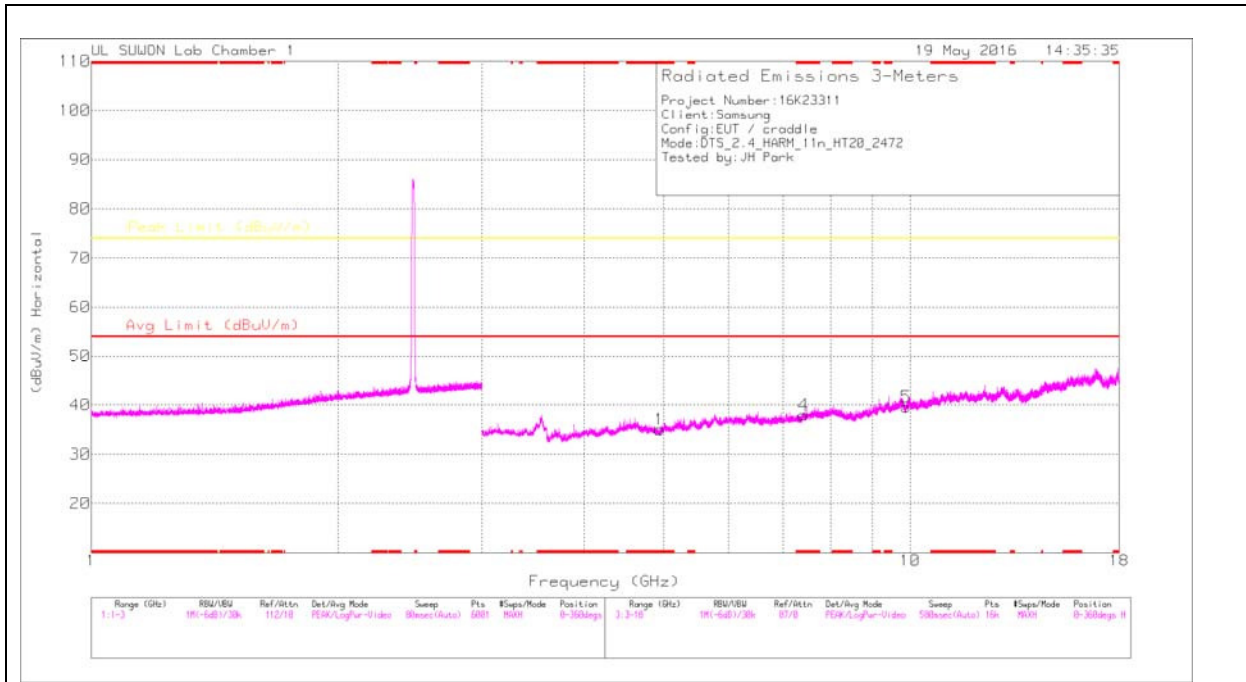
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016871 7)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.936	34.82	PK	34	-34	0	34.82	-	-	74	-39.18	0-360	200	H
4	* 7.395	33.2	PK	35.8	-30.6	0	38.4	-	-	74	-35.6	0-360	100	H
5	9.877	30.94	PK	37.3	-28	0	40.24	-	-	74	-33.76	0-360	100	H
2	* 4.94	34.49	PK	34	-34	0	34.49	-	-	74	-39.51	0-360	200	V
3	* 7.4	33.25	PK	35.8	-30.6	0	38.45	-	-	74	-35.55	0-360	100	V
6	9.882	30.74	PK	37.3	-27.9	0	40.14	-	-	74	-33.86	0-360	200	V

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

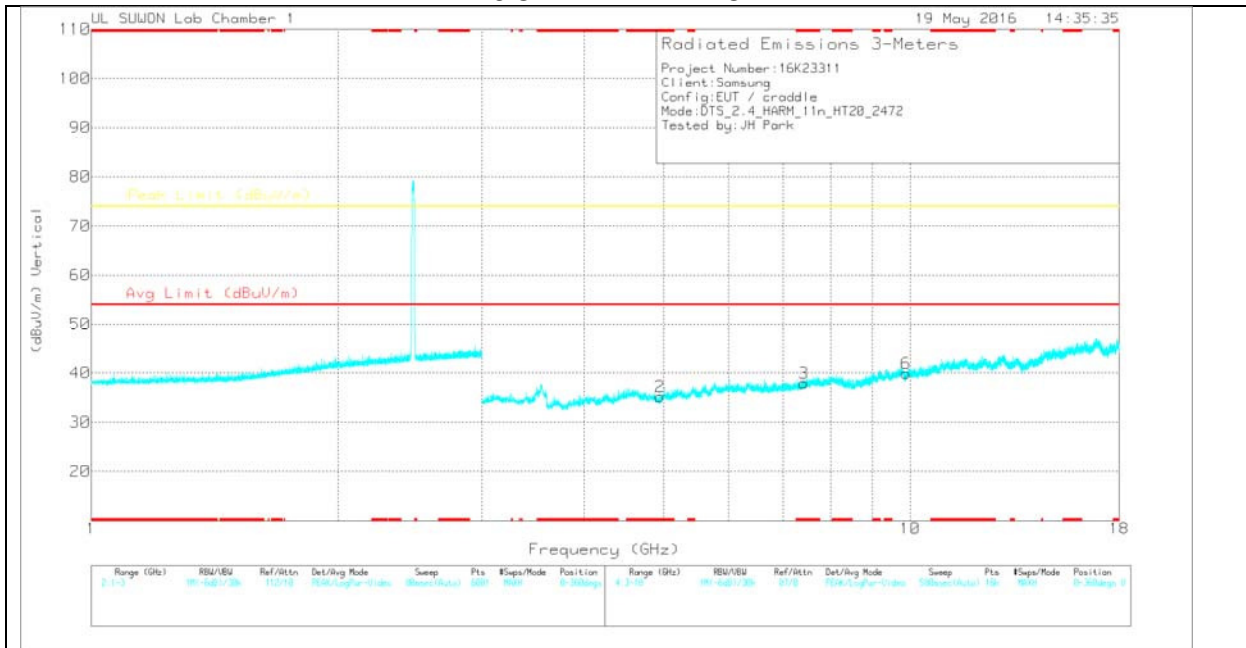
PK – Peak detector

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

13 CHANNEL HORIZONTAL



13 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.

13 CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016871 7)_150619	Path_3	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	* 4.945	35.03	PK	34	-34	0	35.03	-	-	74	-38.97	0-360	200	H
4	* 7.411	32.76	PK	35.8	-30.6	0	37.96	-	-	74	-36.04	0-360	100	H
5	9.887	30.19	PK	37.3	-27.9	0	39.59	-	-	74	-34.41	0-360	200	H
2	* 4.947	35.17	PK	34	-34	0	35.17	-	-	74	-38.83	0-360	100	V
3	* 7.413	32.8	PK	35.8	-30.7	0	37.9	-	-	74	-36.1	0-360	100	V
6	9.886	30.51	PK	37.3	-27.9	0	39.91	-	-	74	-34.09	0-360	100	V

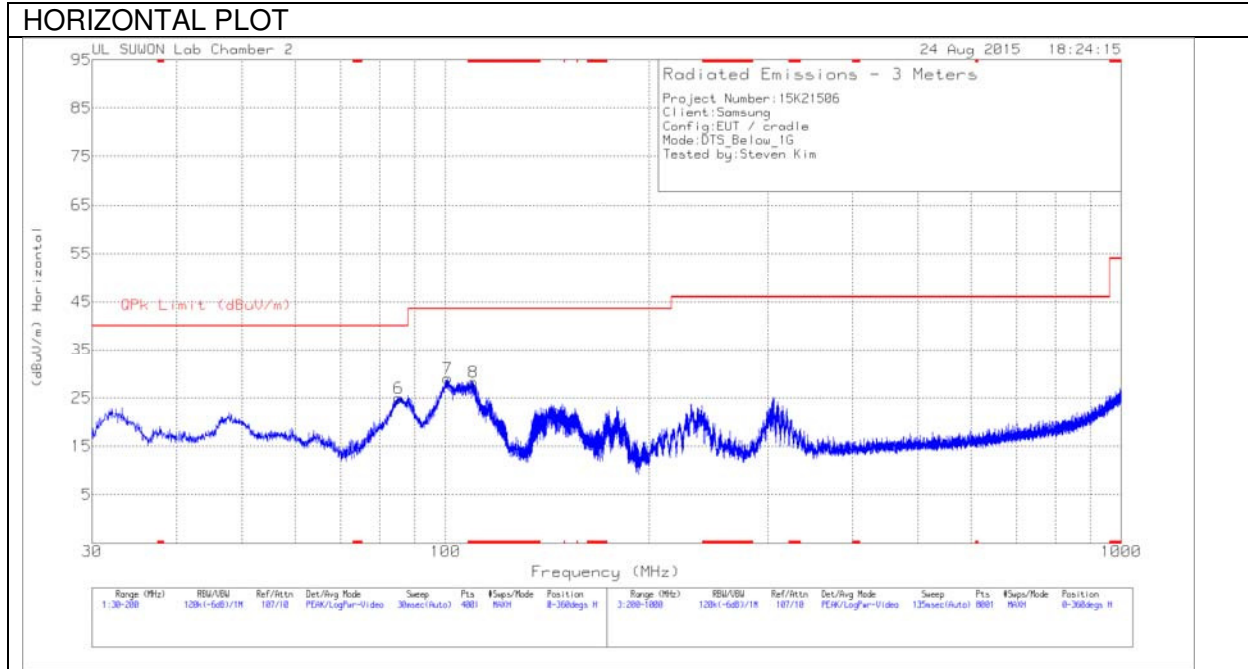
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

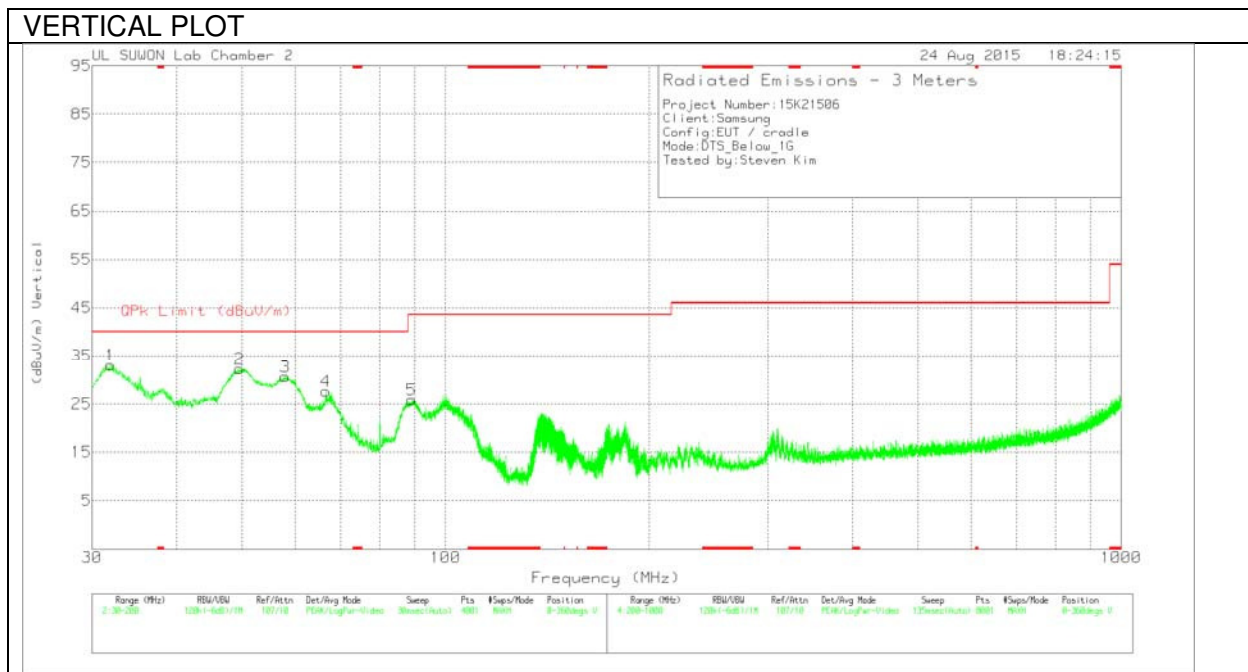
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

11.3. 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

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163-749	Below_1G	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	85.2075	47.2	Pk	8.4	-30.6	25	40	-15	0-360	200	H
7	100.7625	47.98	Pk	11.5	-30.5	28.98	43.52	-14.54	0-360	300	H
8	* 109.9	47.93	Pk	10.8	-30.5	28.23	43.52	-15.29	0-360	300	H
1	31.955	53.53	Pk	10.4	-30.8	33.13	40	-6.87	0-360	100	V
2	49.55	48.92	Pk	14.1	-30.7	32.32	40	-7.68	0-360	100	V
3	57.9225	48.33	Pk	13.1	-30.7	30.73	40	-9.27	0-360	100	V
4	66.55	47.64	Pk	10.7	-30.7	27.64	40	-12.36	0-360	100	V
5	89.1175	47.08	Pk	9.4	-30.6	25.88	43.52	-17.64	0-360	100	V

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
 RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10 2009.

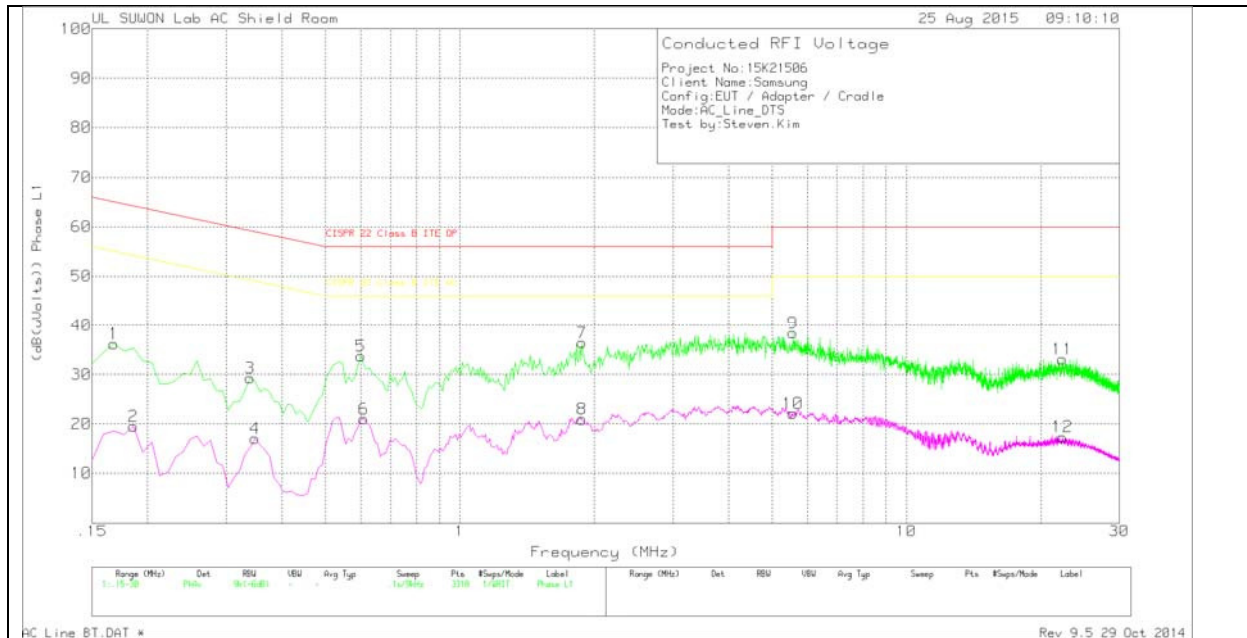
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

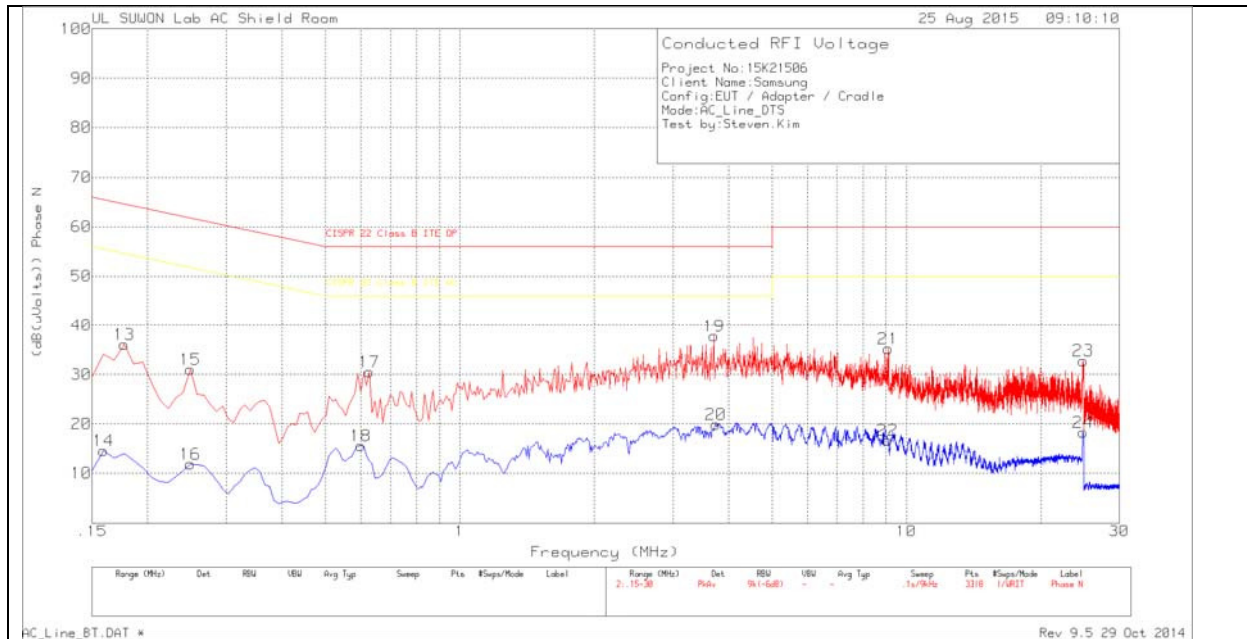
Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex-cord_L1	CE Shield Room	Corrected Reading (dBuV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.168	26.07	Pk	10.2	0	36.27	65.06	-28.79	-	-
2	.186	9.44	Av	10.1	0	19.54	-	-	54.21	-34.67
3	.339	19.33	Pk	10	0	29.33	59.23	-29.9	-	-
4	.348	7.05	Av	10	0	17.05	-	-	49.01	-31.96
5	.6	23.64	Pk	10.1	0	33.74	56	-22.26	-	-
6	.609	10.93	Av	10.1	0	21.03	-	-	46	-24.97
7	1.878	26.54	Pk	9.8	.1	36.44	56	-19.56	-	-
8	1.878	11.04	Av	9.8	.1	20.94	-	-	46	-25.06
9	5.577	28.59	Pk	9.8	.1	38.49	60	-21.51	-	-
10	5.568	12.2	Av	9.8	.1	22.1	-	-	50	-27.9
11	22.362	22.4	Pk	10.5	.2	33.1	60	-26.9	-	-
12	22.398	6.65	Av	10.5	.2	17.35	-	-	50	-32.65

Pk - Peak detector

Av - Average detection

LINE 2 PLOT



LINE 2 RESULTS

Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex-cord_N	CE Shield Room	Corrected Reading (dBuV)	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.177	25.96	Pk	10.1	0	36.06	64.63	-28.57	-	-
14	.159	4.61	Av	10	0	14.61	-	-	55.52	-40.91
15	.249	21.3	Pk	9.7	0	31	61.79	-30.79	-	-
16	.249	2.2	Av	9.7	0	11.9	-	-	51.79	-39.89
17	.627	20.51	Pk	10	0	30.51	56	-25.49	-	-
18	.6	5.46	Av	10.1	0	15.56	-	-	46	-30.44
19	3.705	27.95	Pk	9.8	.1	37.85	56	-18.15	-	-
20	3.75	10	Av	9.8	.1	19.9	-	-	46	-26.1
21	9.123	25.04	Pk	10	.2	35.24	60	-24.76	-	-
22	9.069	6.43	Av	10	.2	16.63	-	-	50	-33.37
23	24.927	21.81	Pk	10.7	.3	32.81	60	-27.19	-	-
24	24.9	7.23	Av	10.7	.3	18.23	-	-	50	-31.77

Pk - Peak detector

Av - Average detection