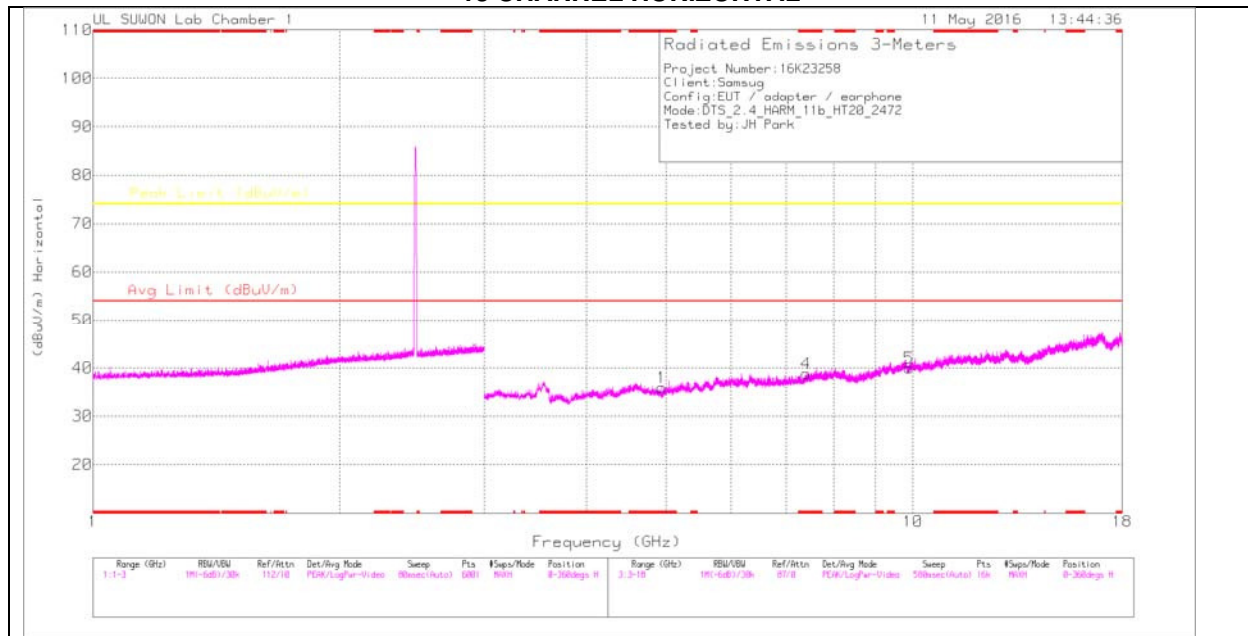
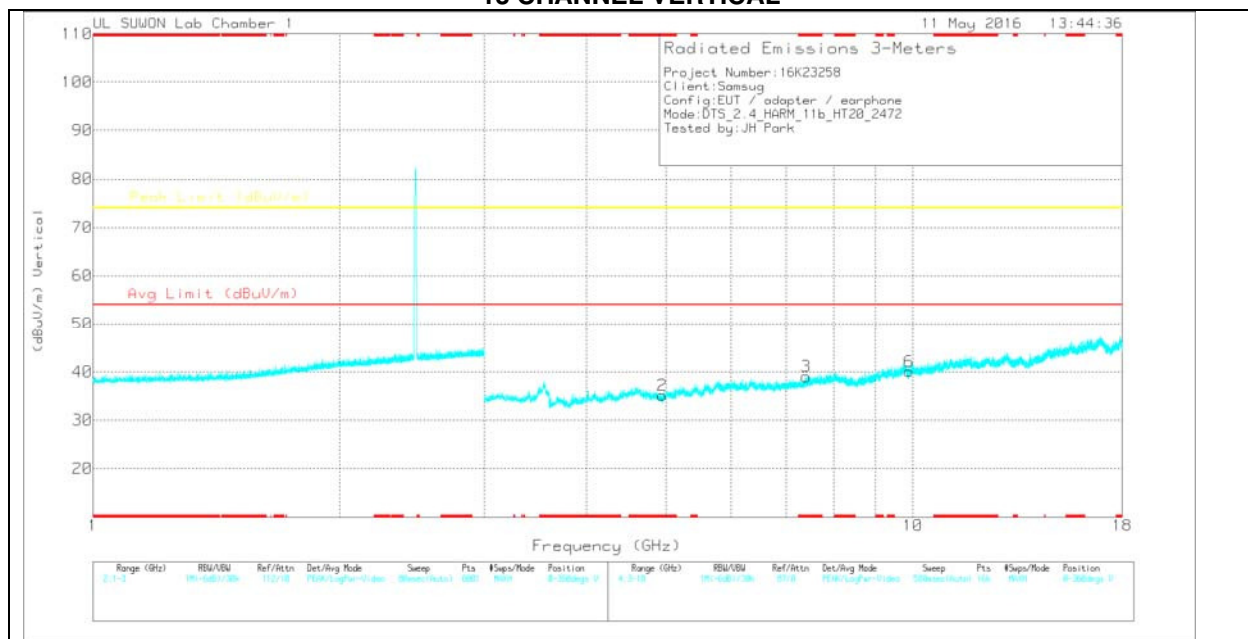


13 CHANNEL HORIZONTAL



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(001687 17)_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	* 4.941	35.99	PK	34	-34	0	35.99	-	-	74	-38.01	0-360	200	H
4	* 7.416	33.79	PK	35.8	-30.7	0	38.89	-	-	74	-35.11	0-360	200	H
5	9.888	30.54	PK	37.3	-27.8	0	40.04	-	-	74	-33.96	0-360	100	H
2	* 4.946	35.2	PK	34	-34	0	35.2	-	-	74	-38.8	0-360	200	V
3	* 7.415	33.94	PK	35.8	-30.7	0	39.04	-	-	74	-34.96	0-360	100	V
6	9.893	30.56	PK	37.4	-27.8	0	40.16	-	-	74	-33.84	0-360	200	V

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

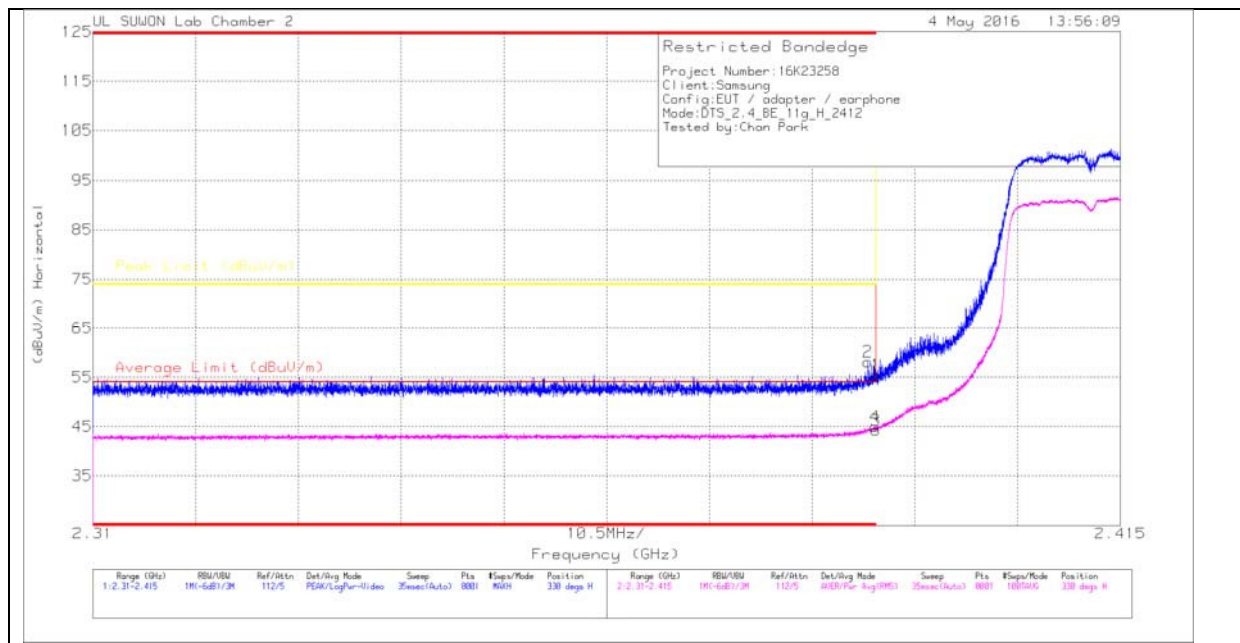
PK – Peak Detector

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 2TX CDD MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

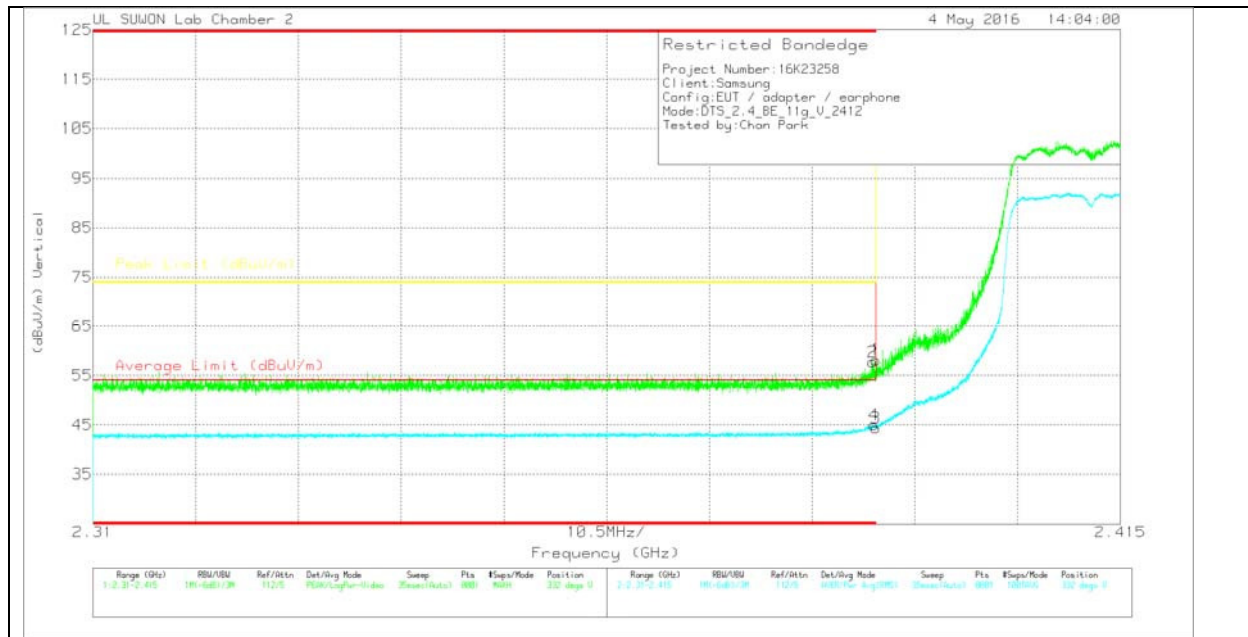
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24_150619)	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.3	PK	31.7	-19.5	0	55.5	-	-	74	-18.5	330	240	H
2	* 2.389	45.98	PK	31.7	-19.5	0	58.18	-	-	74	-15.82	330	240	H
3	* 2.39	31.73	RMS	31.7	-19.5	.31	44.24	54	-9.76	-	-	330	240	H
4	* 2.39	32.48	RMS	31.7	-19.5	.31	44.99	54	-9.01	-	-	330	240	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_10d B	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	45.98	Pk	31.7	-19.5	0	58.18	-	-	74	-15.82	332	385	V
2	* 2.39	45.56	Pk	31.7	-19.5	0	57.76	-	-	74	-16.24	332	385	V
3	* 2.39	31.89	RMS	31.7	-19.5	.31	44.4	54	-9.6	-	-	332	385	V
4	* 2.39	32.54	RMS	31.7	-19.5	.31	45.05	54	-8.95	-	-	332	385	V

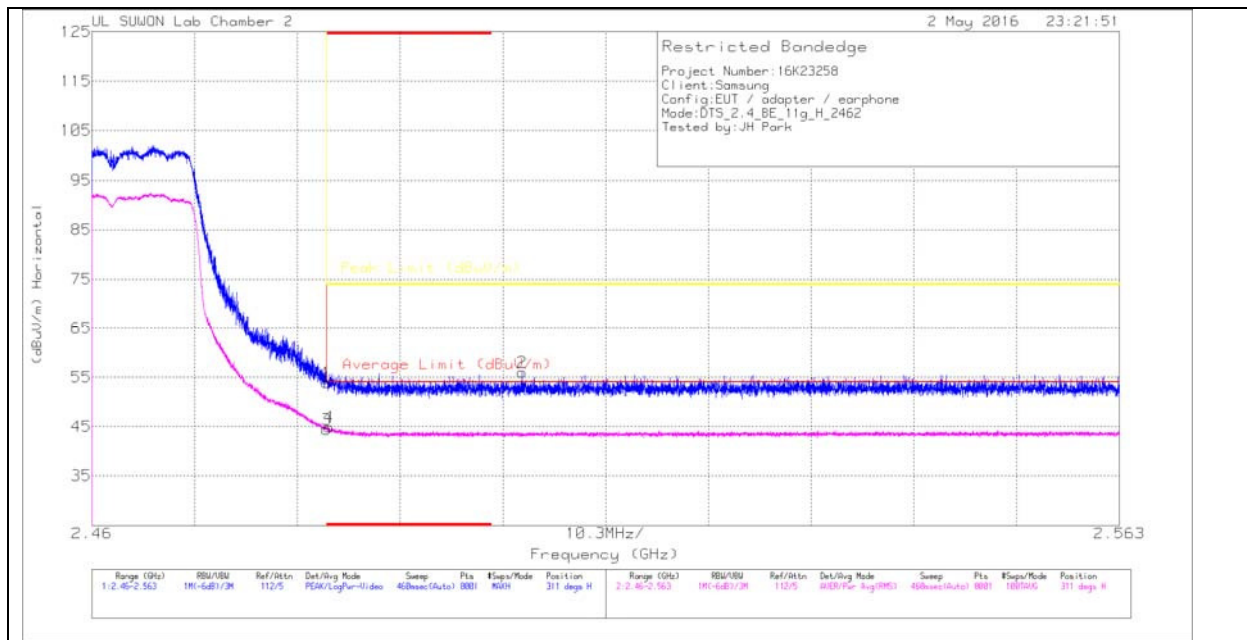
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

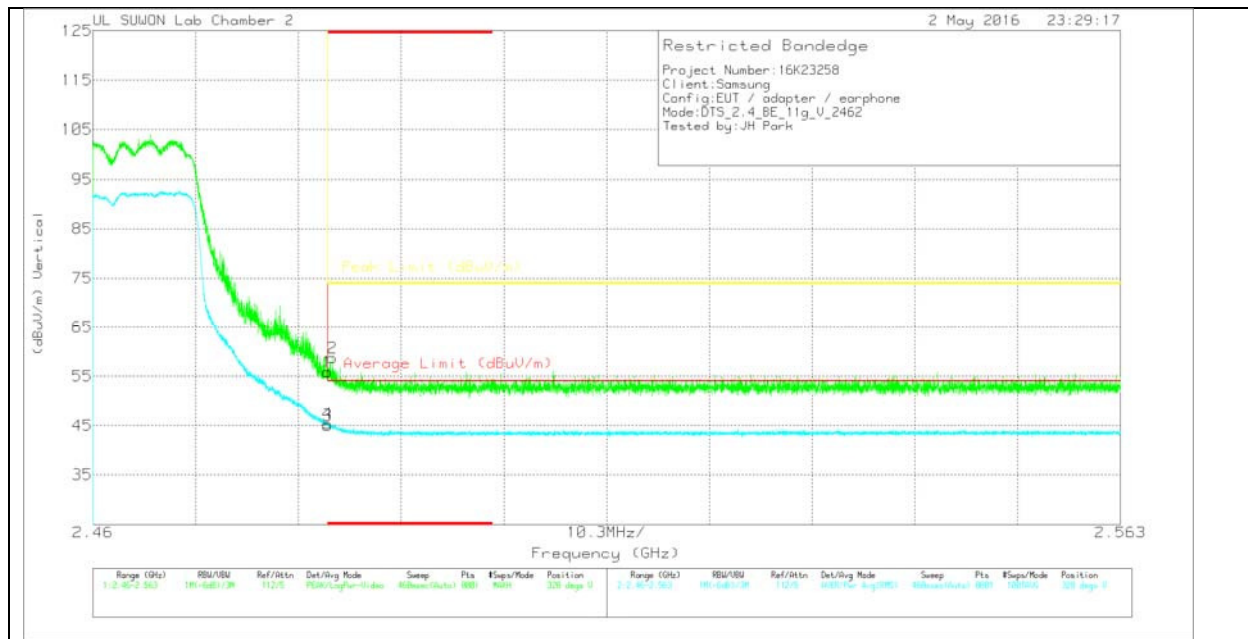
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.51	Pk	31.8	-19.4	0	53.91	-	-	74	-20.09	311	139	H
2	2.503	43.38	Pk	31.9	-19.3	0	55.98	-	-	74	-18.02	311	139	H
3	* 2.484	31.74	RMS	31.8	-19.4	.31	44.45	54	-9.55	-	-	311	139	H
4	* 2.484	32.2	RMS	31.8	-19.4	.31	44.91	54	-9.09	-	-	311	139	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_10d B	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	43.45	Pk	31.8	-19.4	0	55.85	-	-	74	-18.15	328	367	V
2	* 2.484	46.31	Pk	31.8	-19.4	0	58.71	-	-	74	-15.29	328	367	V
3	* 2.484	32.38	RMS	31.8	-19.4	.31	45.09	54	-8.91	-	-	328	367	V
4	* 2.484	32.71	RMS	31.8	-19.4	.31	45.42	54	-8.58	-	-	328	367	V

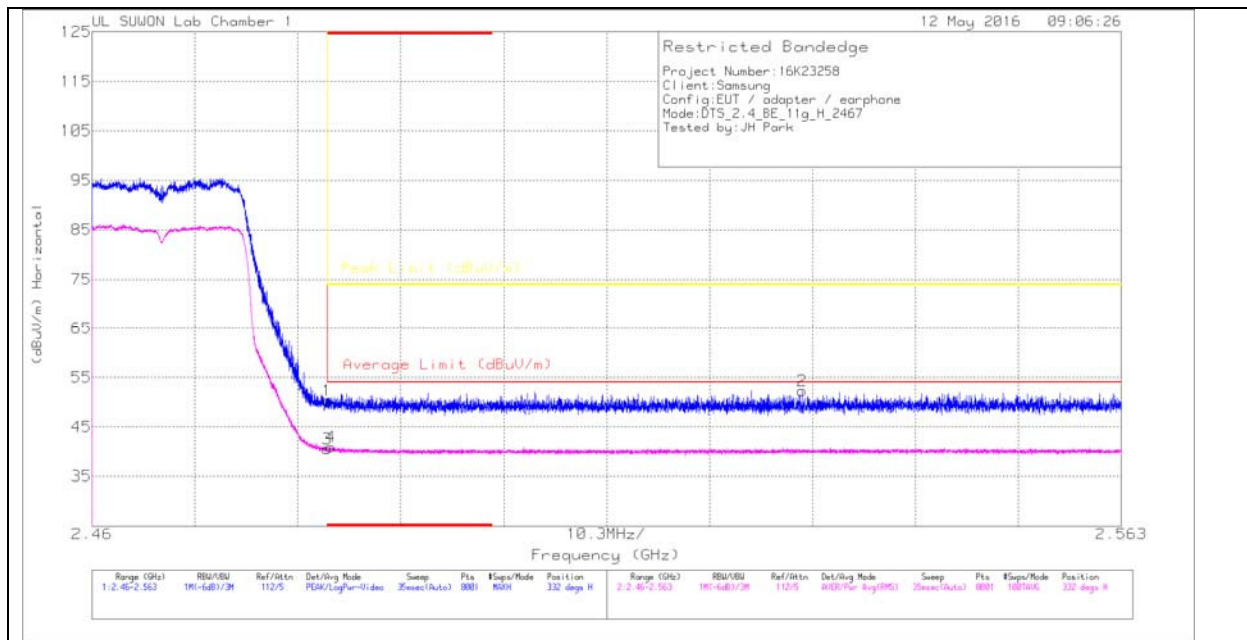
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

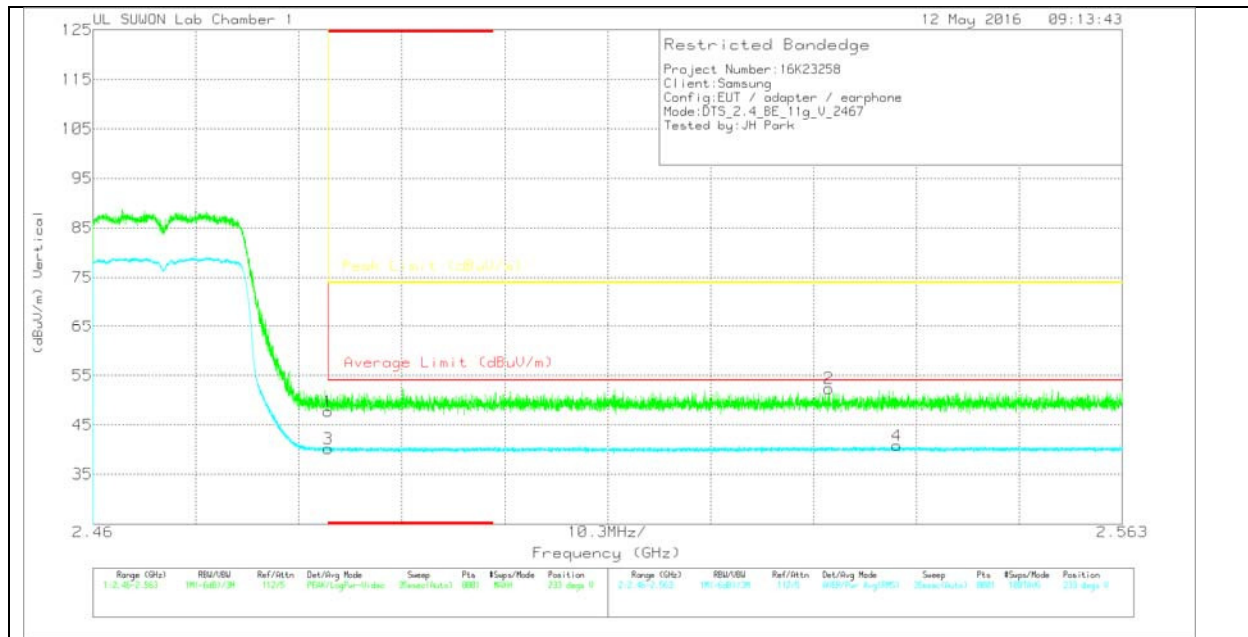
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 17_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.63	Pk	32	-28.3	0	50.33	-	-	74	-23.67	332	105	H
2	2.531	48.66	Pk	32	-28.3	0	52.36	-	-	74	-21.64	332	105	H
3	* 2.484	36.59	RMS	32	-28.3	.31	40.6	54	-13.4	-	-	332	105	H
4	* 2.484	36.88	RMS	32	-28.3	.31	40.89	54	-13.11	-	-	332	105	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	44.05	Pk	32	-28.3	0	47.75	-	-	74	-26.25	233	185	V
2	2.534	48.67	Pk	32	-28.3	0	52.37	-	-	74	-21.63	233	185	V
3	* 2.484	36.23	RMS	32	-28.3	.31	40.24	54	-13.76	-	-	233	185	V
4	2.54	36.73	RMS	32	-28.2	.31	40.84	54	-13.16	-	-	233	185	V

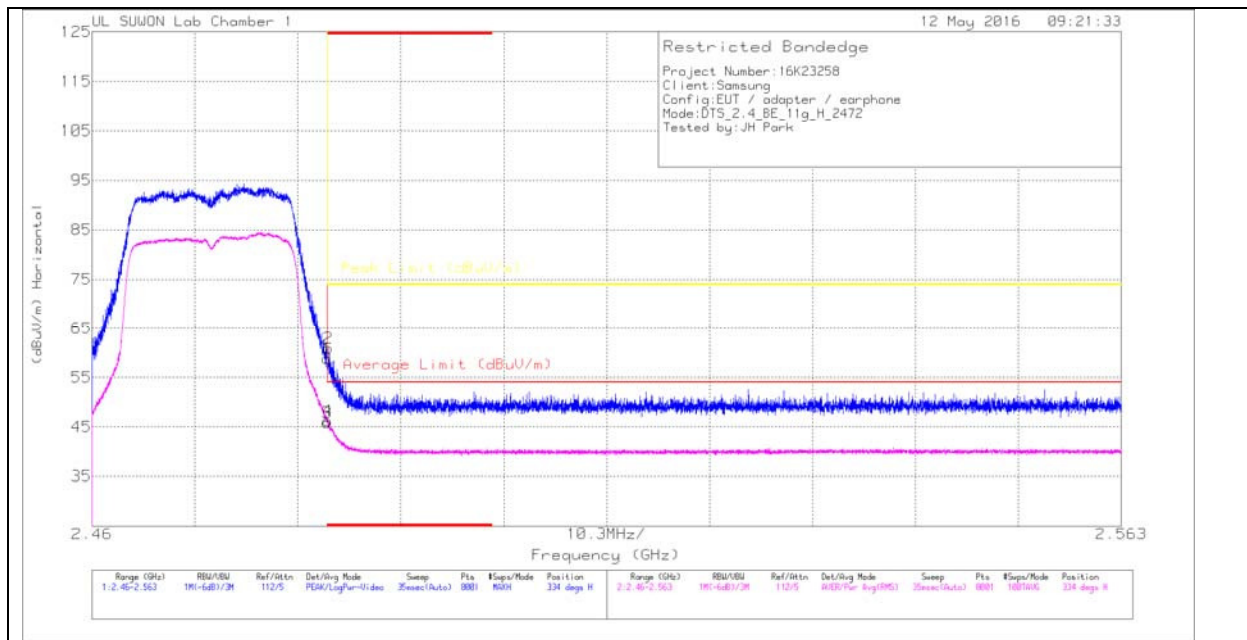
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

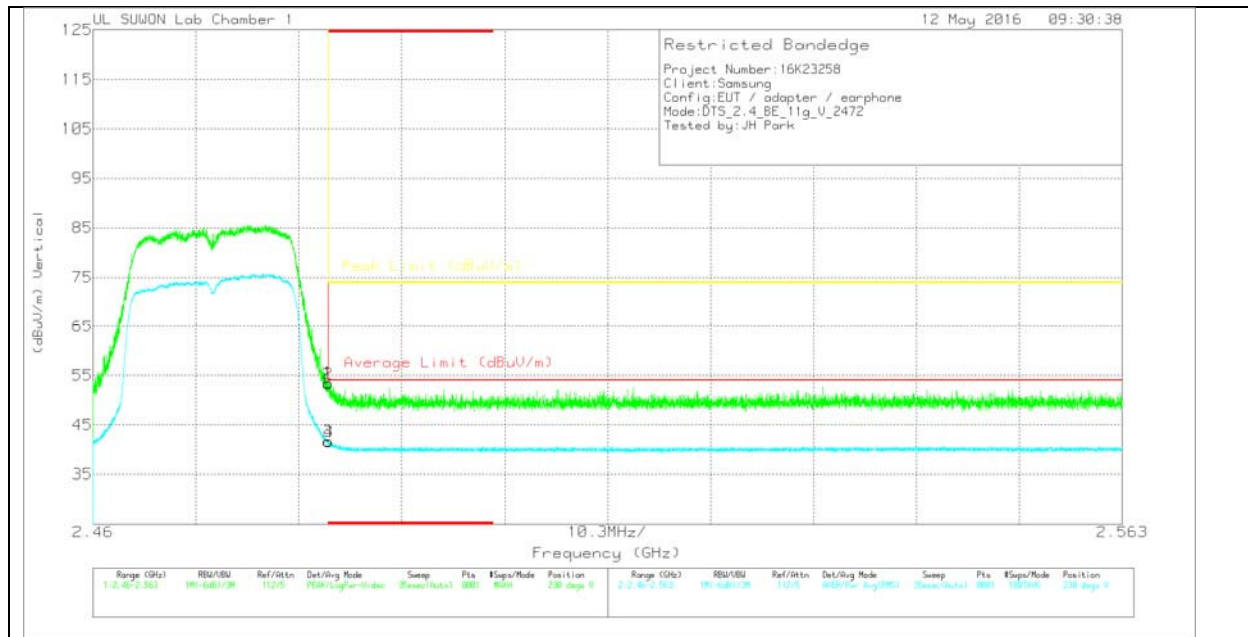
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17_150619)	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	55.12	Pk	32	-28.3	0	58.82	-	-	74	-15.18	334	104	H
2	* 2.484	57.32	Pk	32	-28.3	0	61.02	-	-	74	-12.98	334	104	H
3	* 2.484	41.85	RMS	32	-28.3	.31	45.86	54	-8.14	-	-	334	104	H
4	* 2.484	42.23	RMS	32	-28.3	.31	46.24	54	-7.76	-	-	334	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	49.87	Pk	32	-28.3	0	53.57	-	-	74	-20.43	230	102	V
2	* 2.484	49.58	Pk	32	-28.3	0	53.28	-	-	74	-20.72	230	102	V
3	* 2.484	37.67	RMS	32	-28.3	.31	41.68	54	-12.32	-	-	230	102	V
4	* 2.484	37.49	RMS	32	-28.3	.31	41.5	54	-12.5	-	-	230	102	V

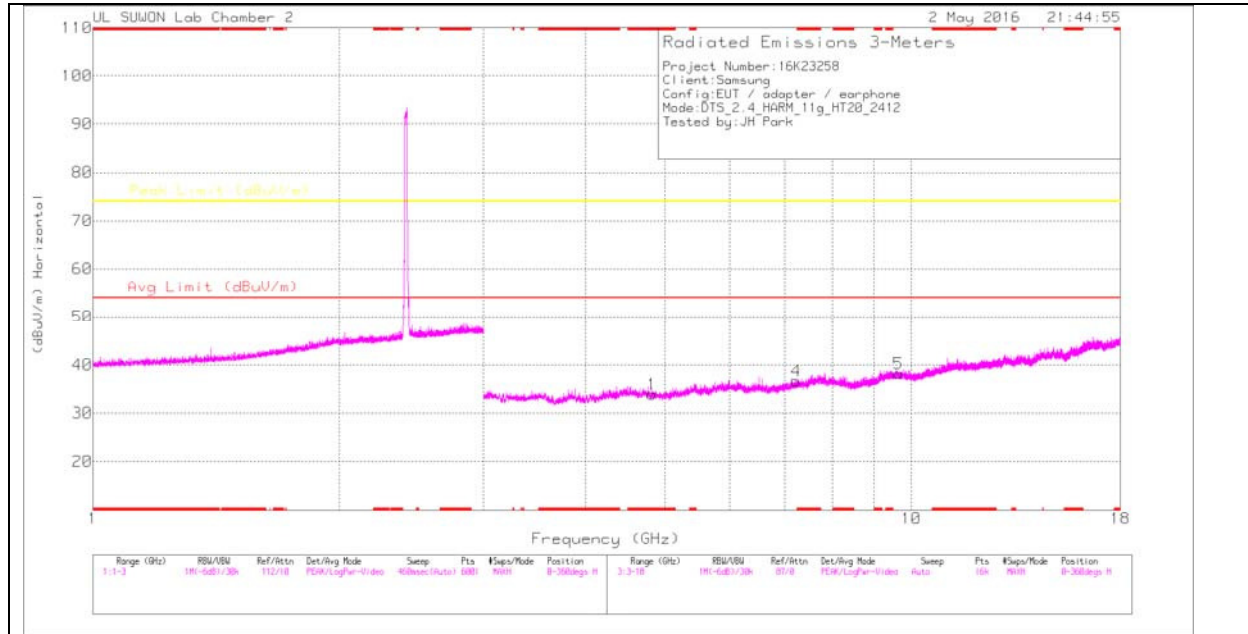
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

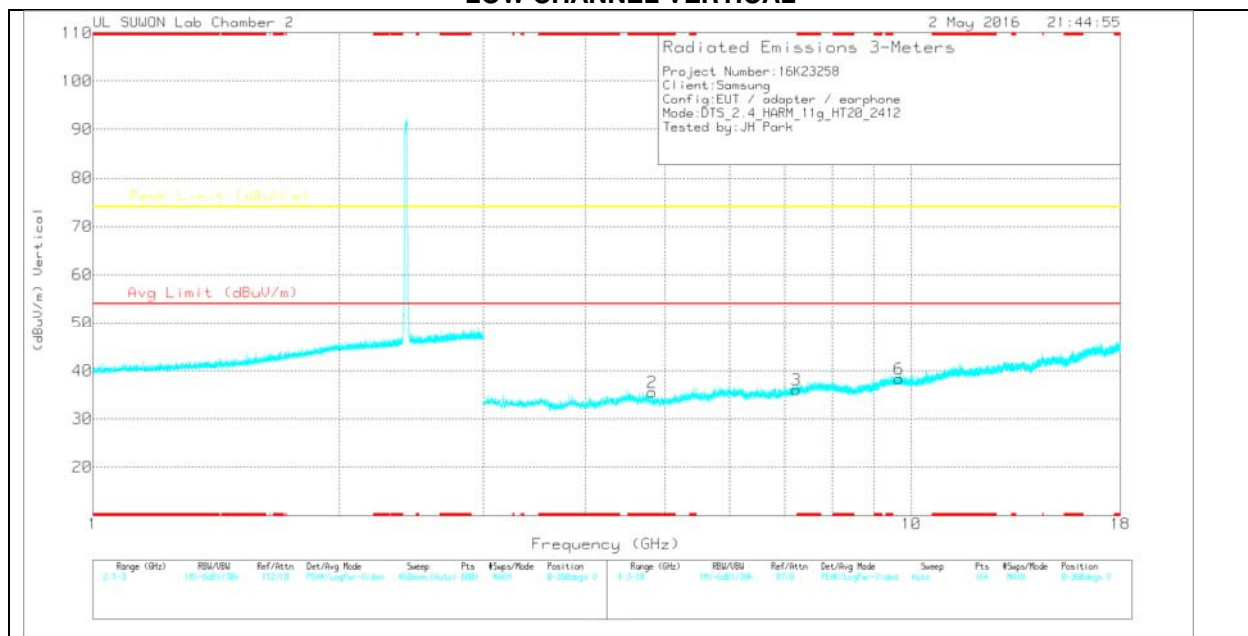
RMS - RMS detection

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

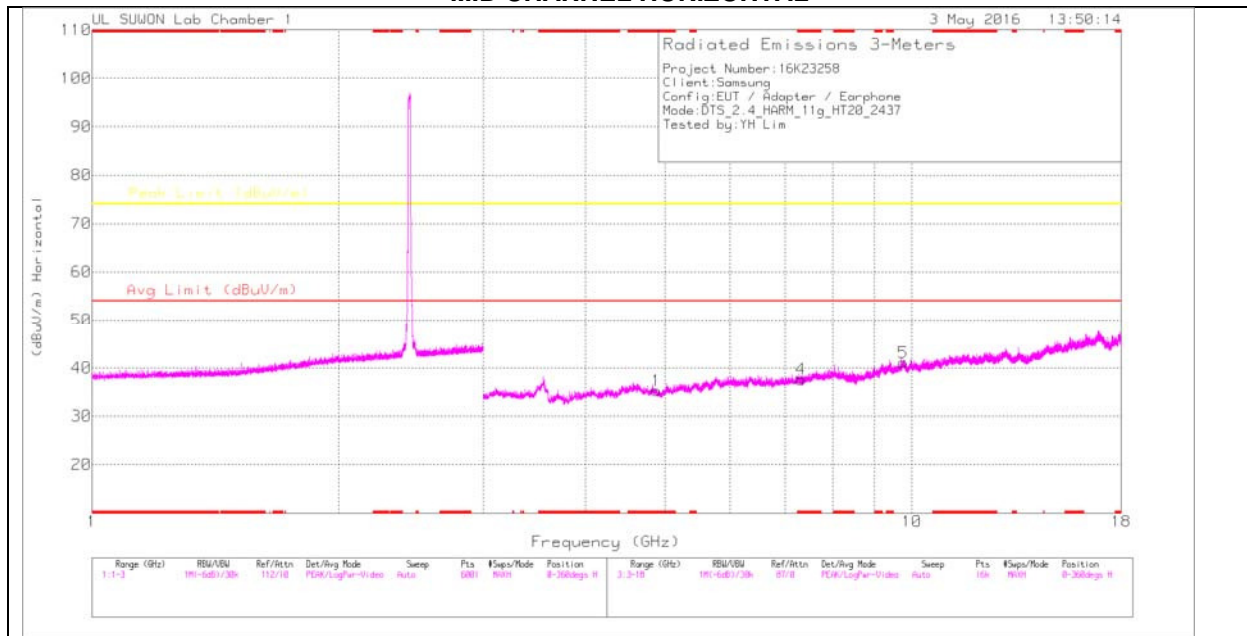
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	25.31	PK	33.9	-25.3	0	33.91	-	-	74	-40.09	0-360	200	H
4	7.233	23.94	PK	35.8	-23	0	36.74	-	-	74	-37.26	0-360	200	H
5	9.646	20.37	PK	36.9	-19	0	38.27	-	-	74	-35.73	0-360	200	H
2	* 4.825	26.96	PK	33.9	-25.3	0	35.56	-	-	74	-38.44	0-360	200	V
3	7.236	23.22	PK	35.8	-23	0	36.02	-	-	74	-37.98	0-360	200	V
6	9.649	20.48	PK	36.9	-19	0	38.38	-	-	74	-35.62	0-360	200	V

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

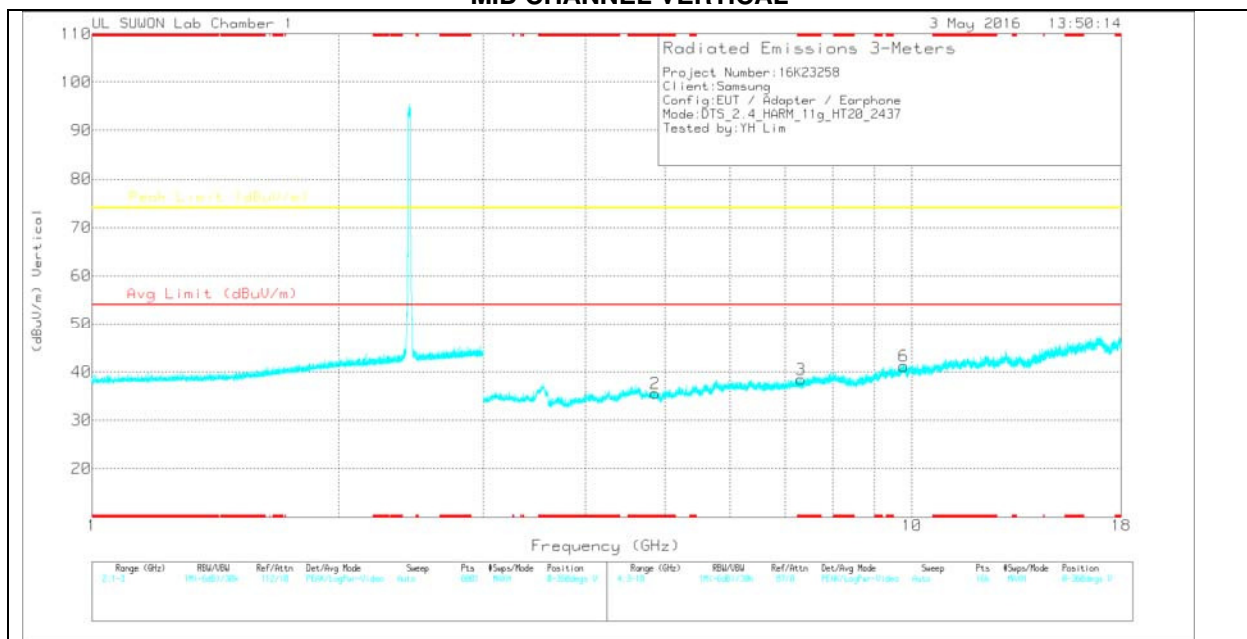
PK – Peak Detector

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

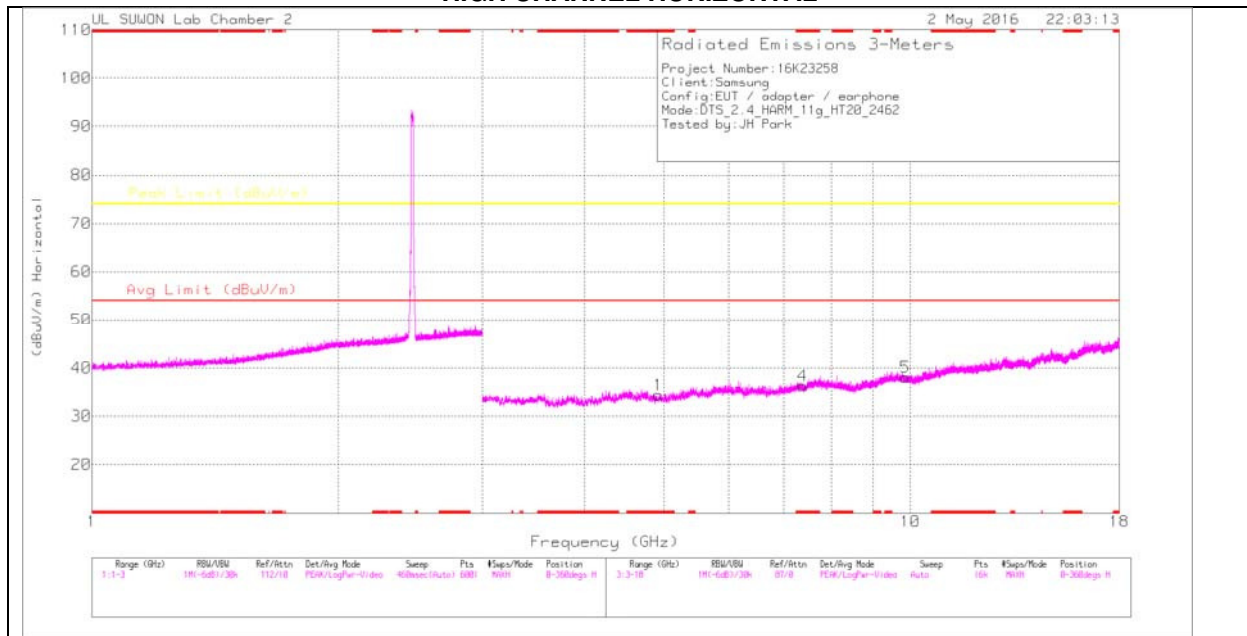
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.879	35.35	Pk	34	-34	0	35.35	-	-	74	-38.65	0-360	100	H
4	* 7.323	32.75	Pk	35.8	-30.9	0	37.65	-	-	74	-36.35	0-360	100	H
5	9.762	30.52	Pk	37.2	-26.6	0	41.12	-	-	74	-32.88	0-360	200	H
2	* 4.865	35.51	Pk	34	-34	0	35.51	-	-	74	-38.49	0-360	100	V
3	* 7.327	33.49	Pk	35.8	-30.8	0	38.49	-	-	74	-35.51	0-360	200	V
6	9.767	30.49	Pk	37.2	-26.5	0	41.19	-	-	74	-32.81	0-360	100	V

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

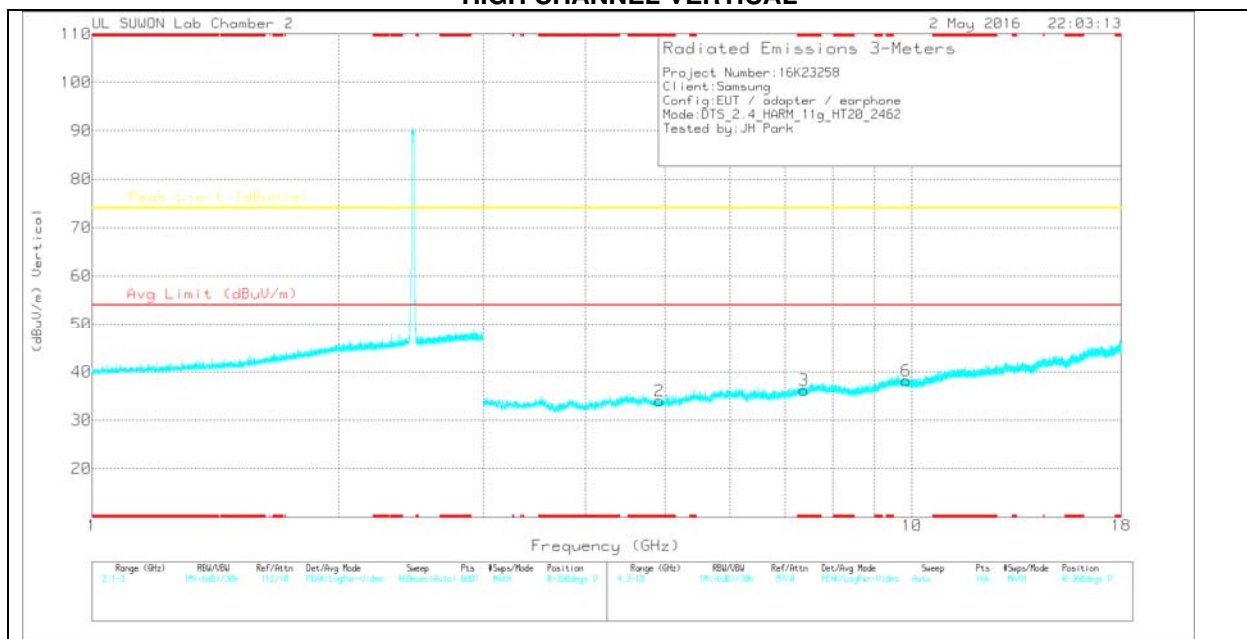
PK – Peak Detector

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

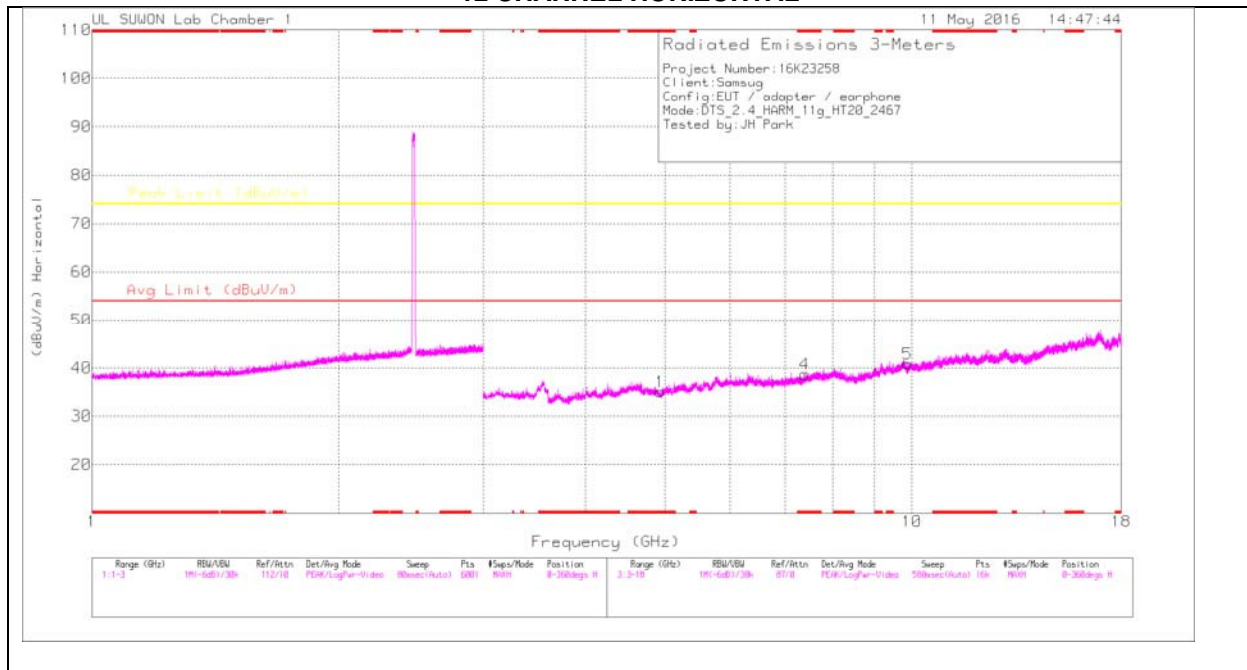
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.924	25.57	PK	33.9	-25.1	0	34.37	-	-	74	-39.63	0-360	100	H
4	* 7.388	22.64	PK	35.9	-22.2	0	36.34	-	-	74	-37.66	0-360	100	H
5	9.851	20.19	PK	37.1	-19.2	0	38.09	-	-	74	-35.91	0-360	200	H
2	* 4.923	25.22	PK	33.9	-25.1	0	34.02	-	-	74	-39.98	0-360	200	V
3	* 7.388	22.55	PK	35.9	-22.2	0	36.25	-	-	74	-37.75	0-360	100	V
6	9.849	20.32	PK	37.1	-19.2	0	38.22	-	-	74	-35.78	0-360	200	V

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

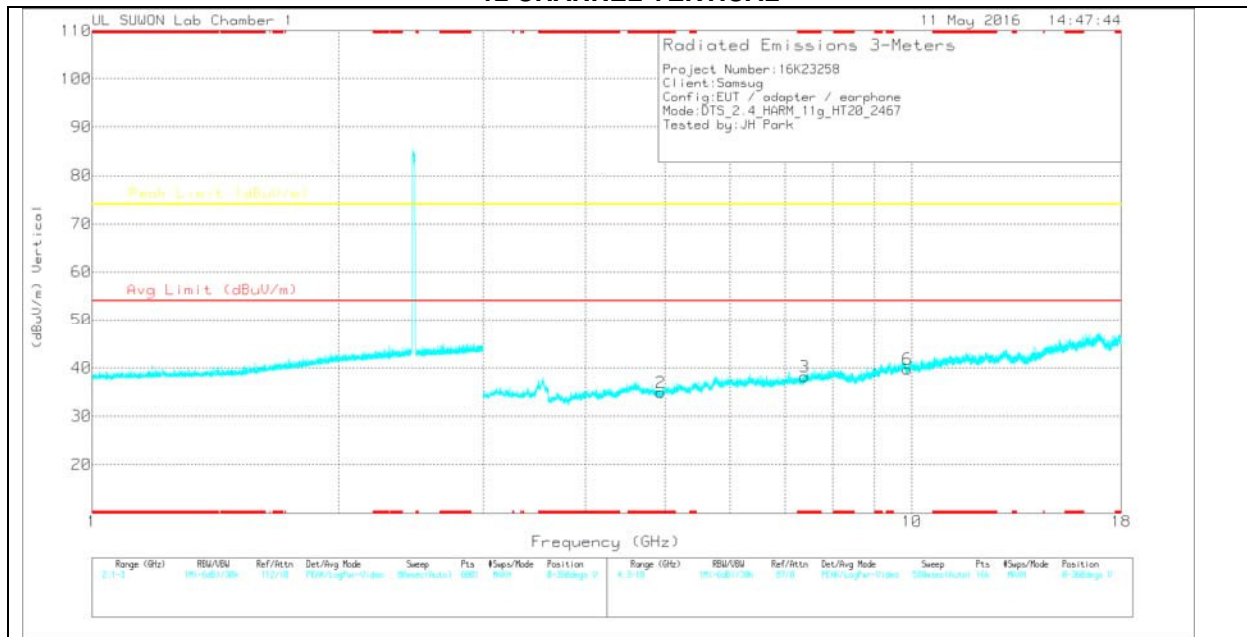
PK – Peak Detector

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

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

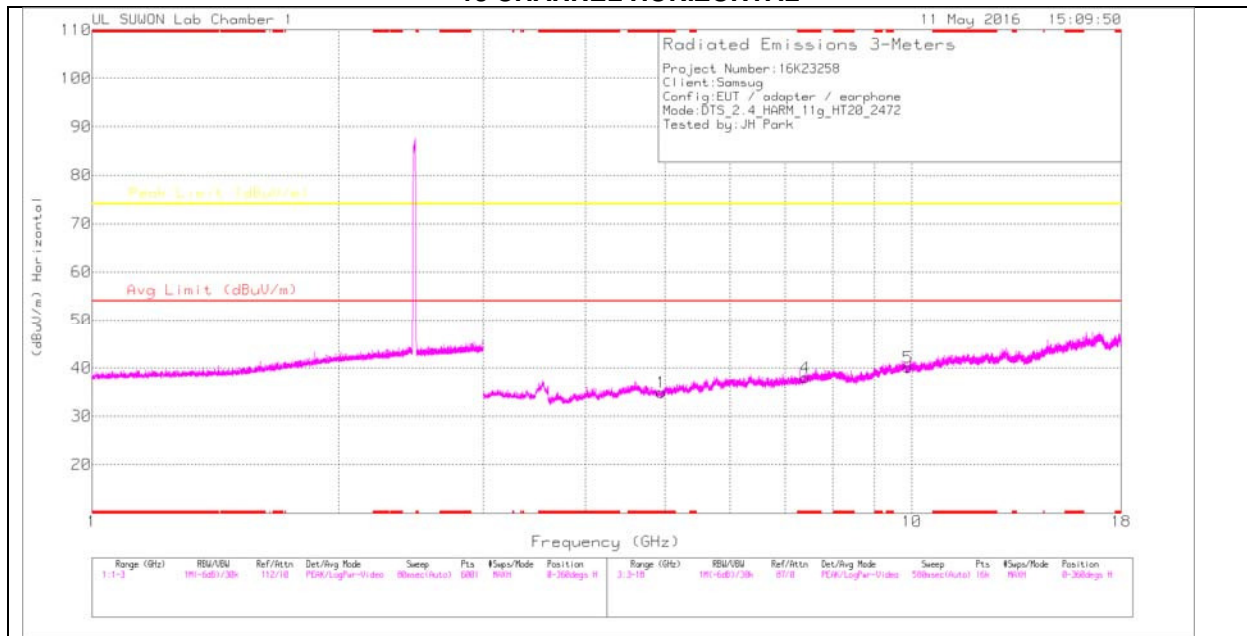
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.931	35.07	PK	34	-34	0	35.07	-	-	74	-38.93	0-360	100	H
4	* 7.397	33.46	PK	35.8	-30.6	0	38.66	-	-	74	-35.34	0-360	100	H
5	9.871	31.59	PK	37.3	-28	0	40.89	-	-	74	-33.11	0-360	200	H
2	* 4.937	34.97	PK	34	-34	0	34.97	-	-	74	-39.03	0-360	200	V
3	* 7.4	33.02	PK	35.8	-30.6	0	38.22	-	-	74	-35.78	0-360	100	V
6	9.868	30.39	PK	37.3	-27.9	0	39.79	-	-	74	-34.21	0-360	100	V

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

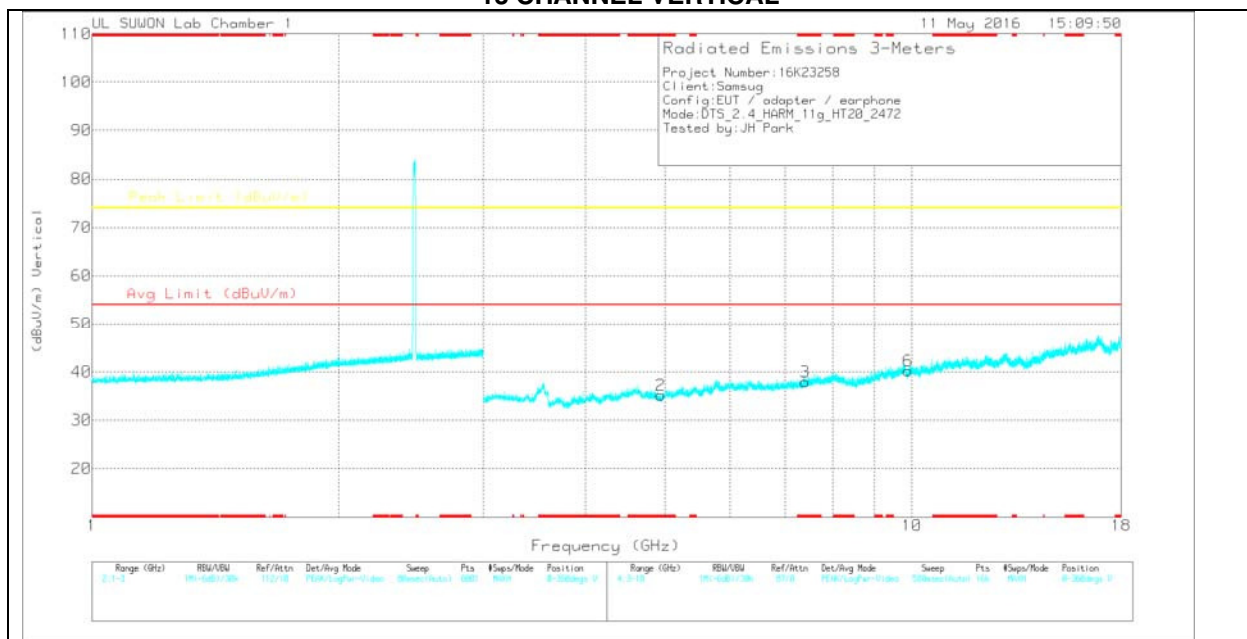
PK – Peak Detector

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

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(001687 17)_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	34.97	PK	34	-34	0	34.97	-	-	74	-39.03	0-360	100	H
4	* 7.416	32.85	PK	35.8	-30.7	0	37.95	-	-	74	-36.05	0-360	100	H
5	9.891	30.56	PK	37.3	-27.8	0	40.06	-	-	74	-33.94	0-360	200	H
2	* 4.942	35.13	PK	34	-34	0	35.13	-	-	74	-38.87	0-360	200	V
3	* 7.413	32.81	PK	35.8	-30.7	0	37.91	-	-	74	-36.09	0-360	200	V
6	9.893	30.67	PK	37.4	-27.8	0	40.27	-	-	74	-33.73	0-360	200	V

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

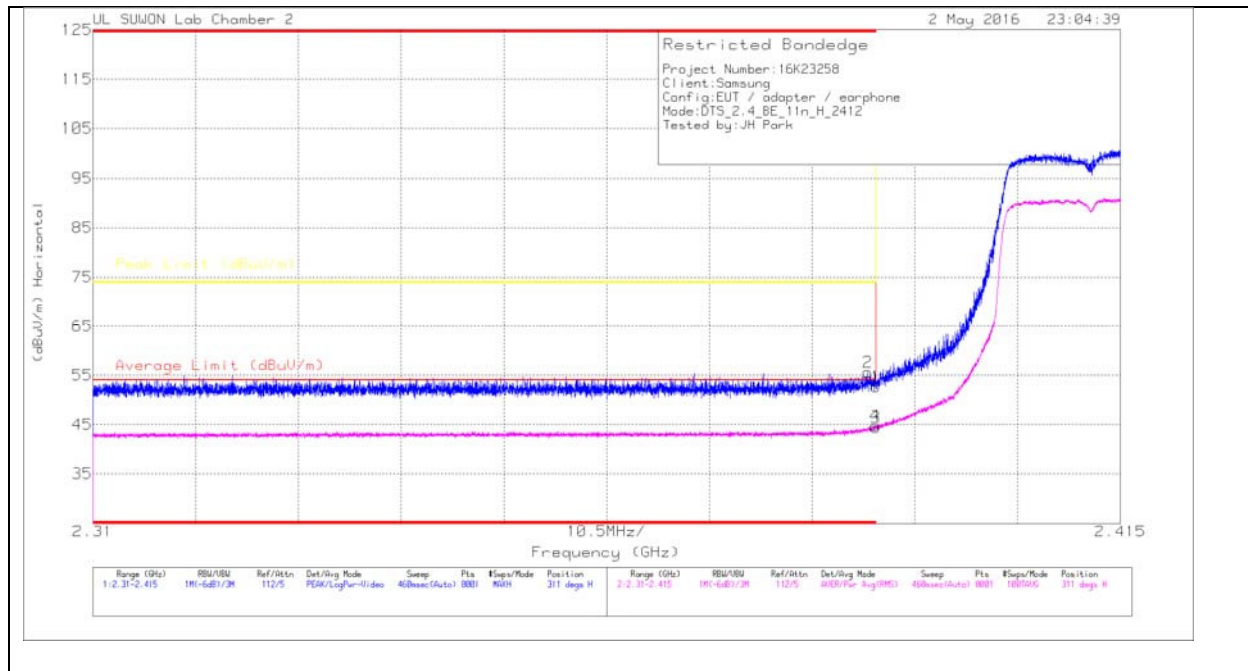
PK – Peak Detector

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 2TX CDD MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

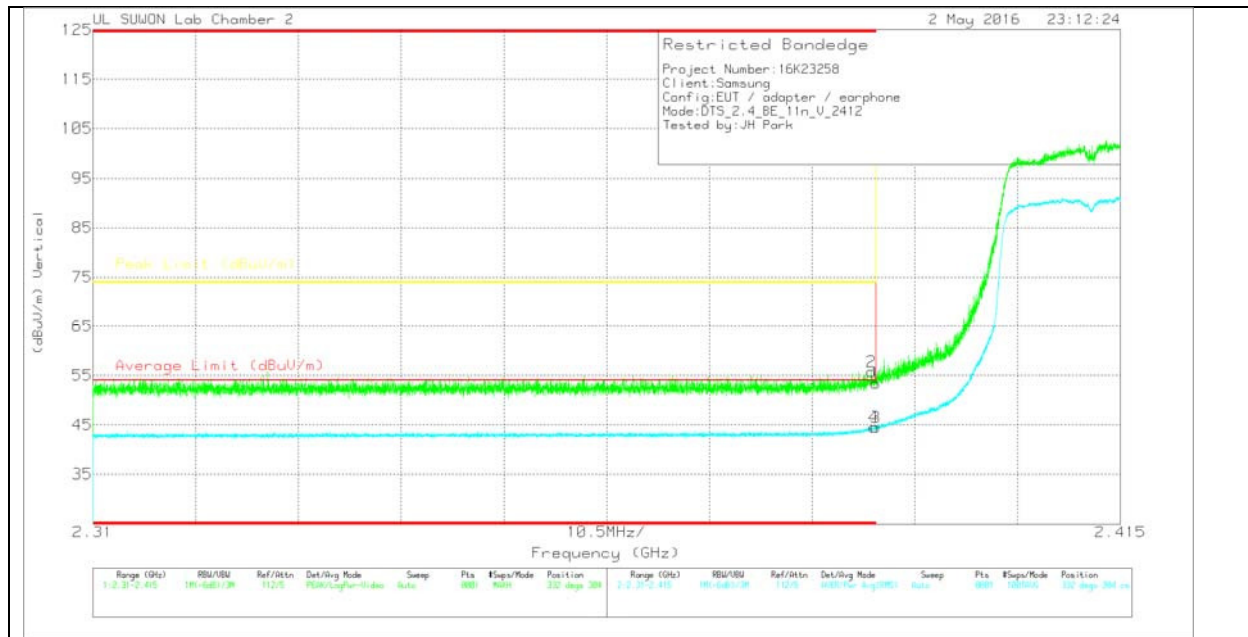
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24_150619)	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.47	Pk	31.7	-19.5	0	52.67	-	-	74	-21.33	311	241	H
2	* 2.389	43.43	Pk	31.7	-19.5	0	55.63	-	-	74	-18.37	311	241	H
3	* 2.39	31.94	RMS	31.7	-19.5	.33	44.47	54	-9.53	-	-	311	241	H
4	* 2.39	32.21	RMS	31.7	-19.5	.33	44.74	54	-9.26	-	-	311	241	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_10d B	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	41.27	Pk	31.7	-19.5	0	53.47	-	-	74	-20.53	332	304	V
2	* 2.39	43.62	Pk	31.7	-19.5	0	55.82	-	-	74	-18.18	332	304	V
3	* 2.39	31.95	RMS	31.7	-19.5	.33	44.48	54	-9.52	-	-	332	304	V
4	* 2.39	32.03	RMS	31.7	-19.5	.33	44.56	54	-9.44	-	-	332	304	V

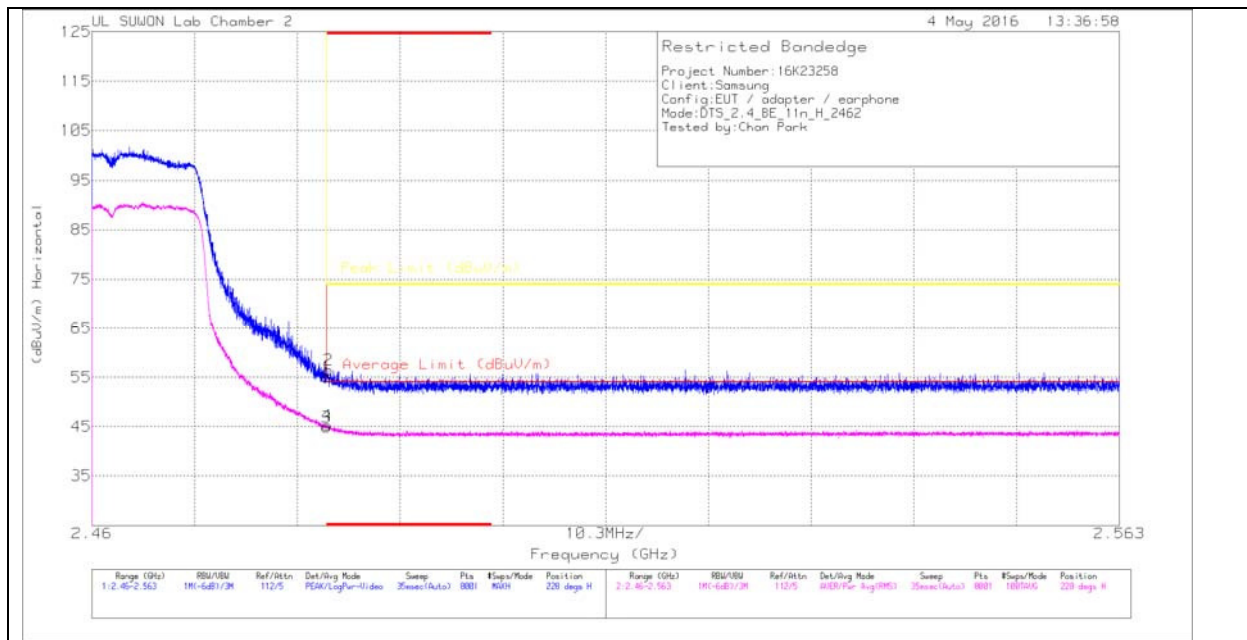
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

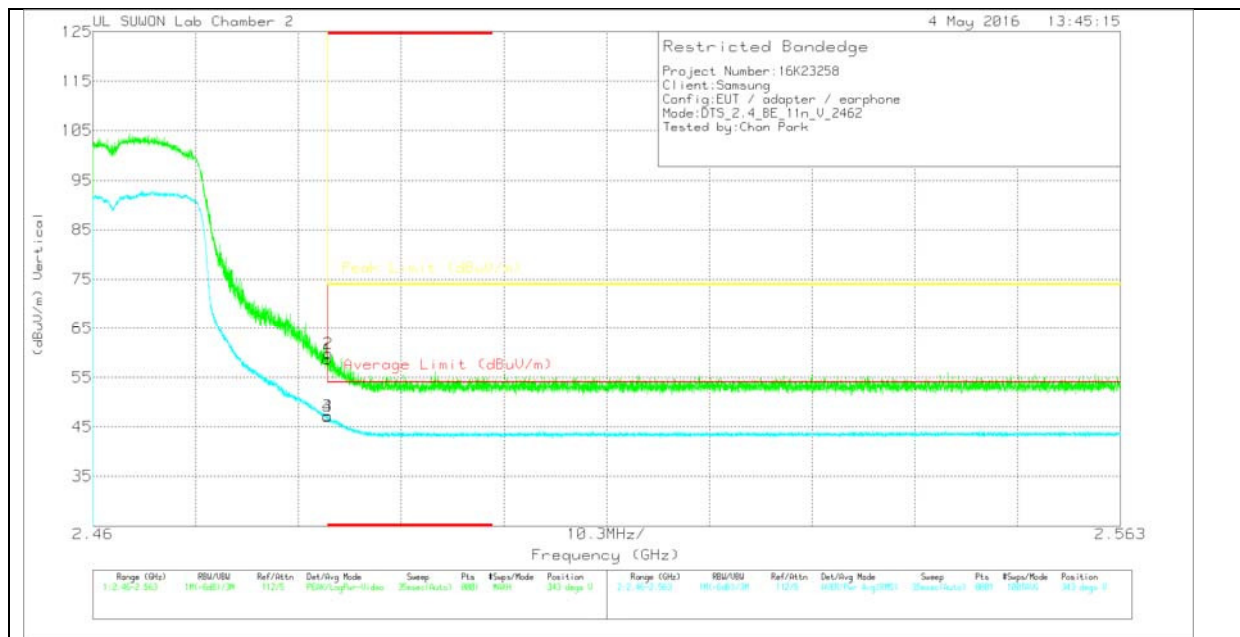
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.61	Pk	31.8	-19.4	0	55.01	-	-	74	-18.99	228	137	H
2	* 2.484	44.09	Pk	31.8	-19.4	0	56.49	-	-	74	-17.51	228	137	H
3	* 2.484	32.19	RMS	31.8	-19.4	.33	44.92	54	-9.08	-	-	228	137	H
4	* 2.484	32.51	RMS	31.8	-19.4	.33	45.24	54	-8.76	-	-	228	137	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_10d B	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	46.29	Pk	31.8	-19.4	0	58.69	-	-	74	-15.31	343	360	V
2	* 2.484	47.41	Pk	31.8	-19.4	0	59.81	-	-	74	-14.19	343	360	V
3	* 2.484	34.47	RMS	31.8	-19.4	.33	47.2	54	-6.8	-	-	343	360	V
4	* 2.484	34.36	RMS	31.8	-19.4	.33	47.09	54	-6.91	-	-	343	360	V

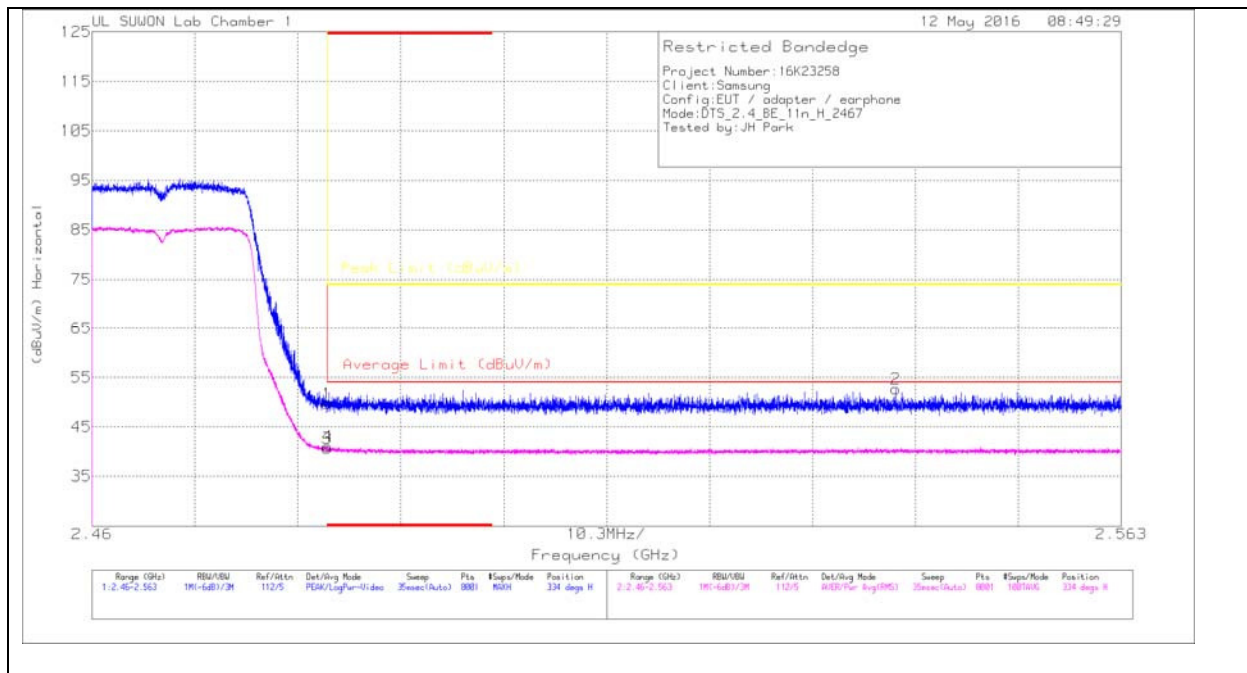
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

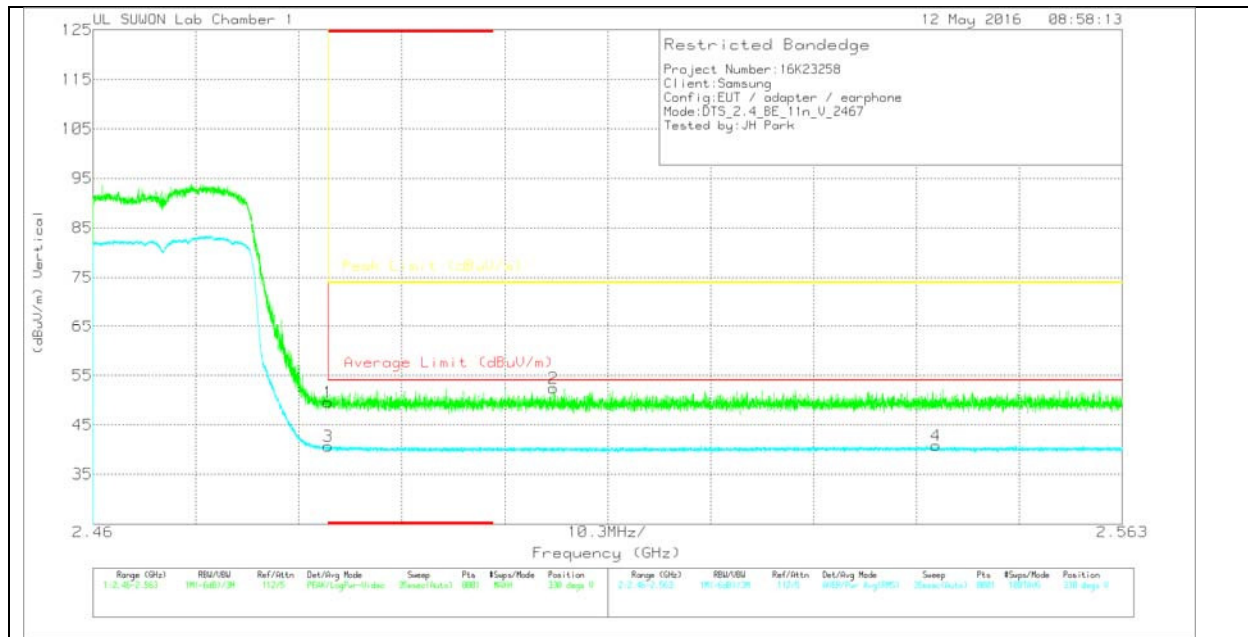
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	45.96	Pk	32	-28.3	0	49.66	-	-	74	-24.34	334	104	H
2	2.54	48.86	Pk	32	-28.2	0	52.66	-	-	74	-21.34	334	104	H
3	* 2.484	36.65	RMS	32	-28.3	.33	40.68	54	-13.32	-	-	334	104	H
4	* 2.484	36.97	RMS	32	-28.3	.33	41	54	-13	-	-	334	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	45.88	Pk	32	-28.3	0	49.58	-	-	74	-24.42	330	236	V
2	2.506	48.78	Pk	32	-28.3	0	52.48	-	-	74	-21.52	330	236	V
3	* 2.484	36.6	RMS	32	-28.3	.33	40.63	54	-13.37	-	-	330	236	V
4	2.544	36.7	RMS	32	-28.2	.33	40.83	54	-13.17	-	-	330	236	V

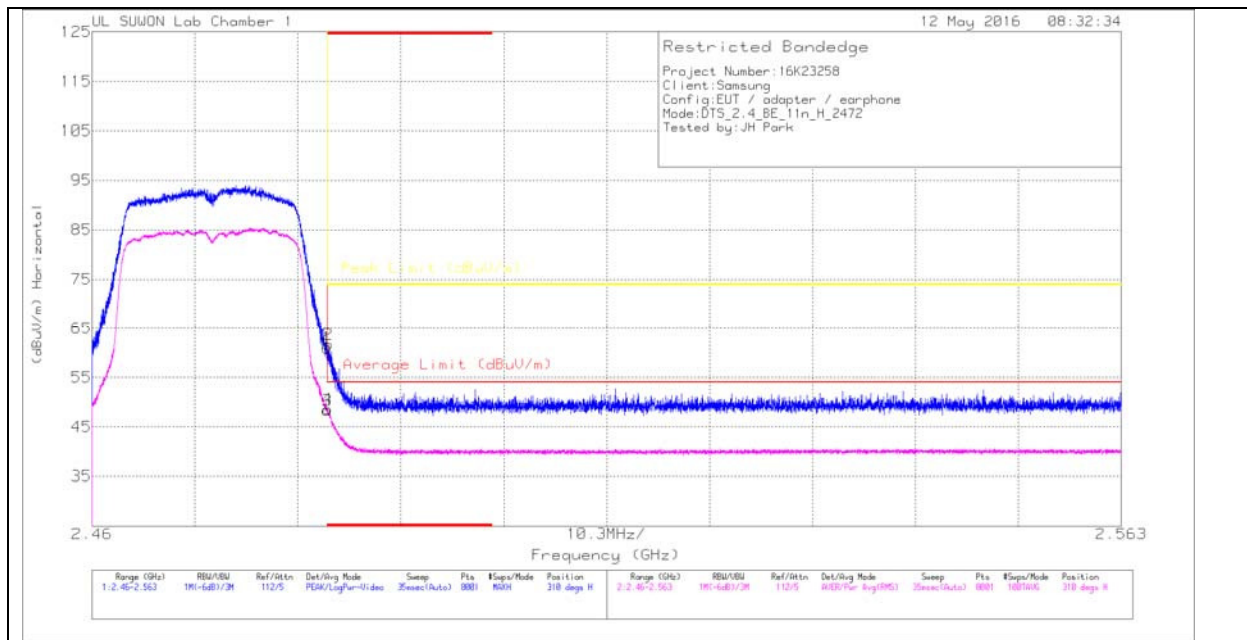
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

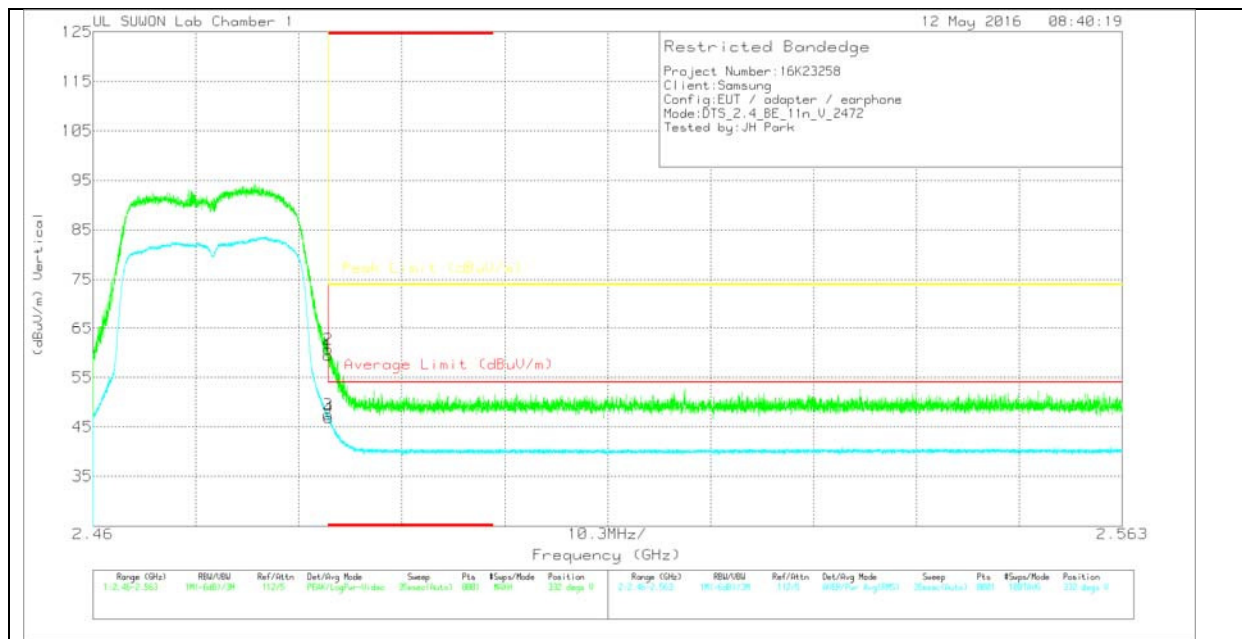
Trace Markers

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)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	57.33	Pk	32	-28.3	0	61.03	-	-	74	-12.97	310	106	H
2	* 2.484	58.05	Pk	32	-28.3	0	61.75	-	-	74	-12.25	310	106	H
3	* 2.484	44.31	RMS	32	-28.3	.33	48.34	54	-5.66	-	-	310	106	H
4	* 2.484	44.59	RMS	32	-28.3	.33	48.62	54	-5.38	-	-	310	106	H

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

Pk - Peak detector

RMS - RMS detection

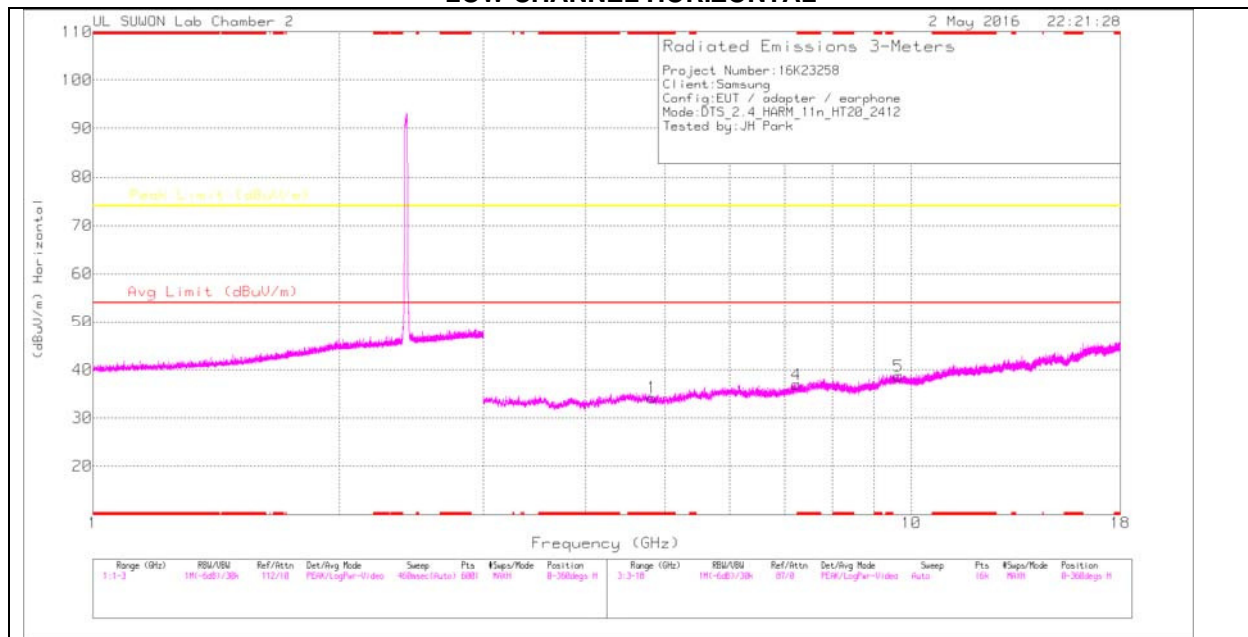


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	55.77	PK	32	-28.3	0	59.47	-	-	74	-14.53	332	236	V
2	* 2.484	57.01	PK	32	-28.3	0	60.71	-	-	74	-13.29	332	236	V
3	* 2.484	43.44	RMS	32	-28.3	.33	47.47	54	-6.53	-	-	332	236	V
4	* 2.484	42.83	RMS	32	-28.3	.33	46.86	54	-7.14	-	-	332	236	V

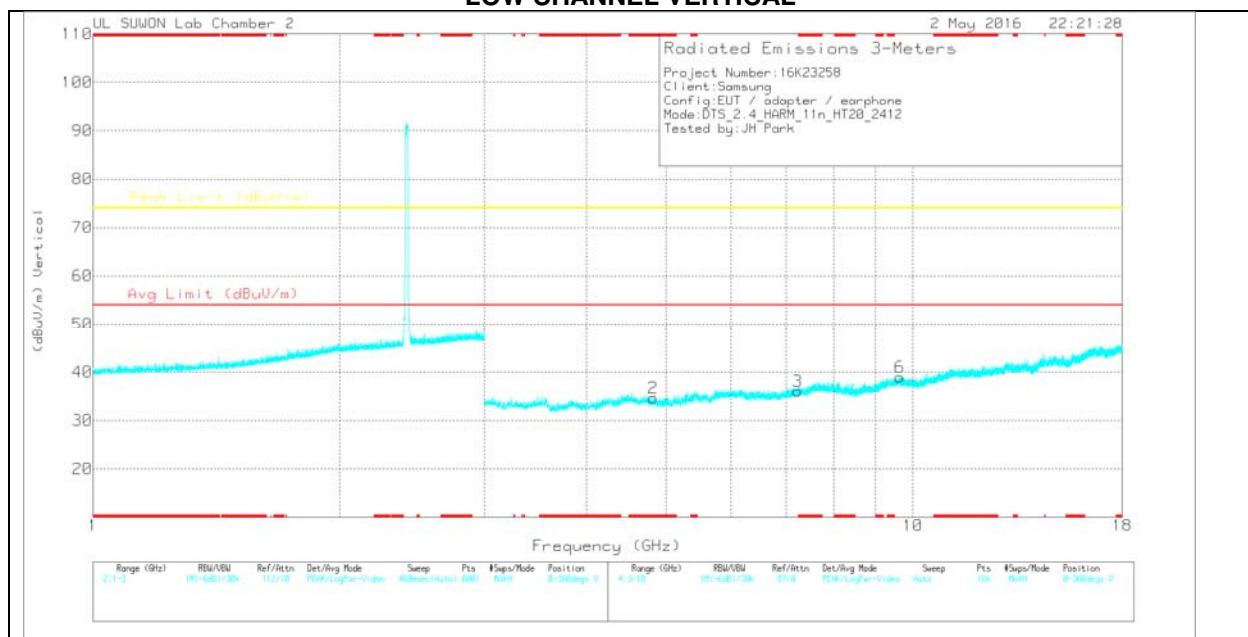
RMS - RMS detection

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

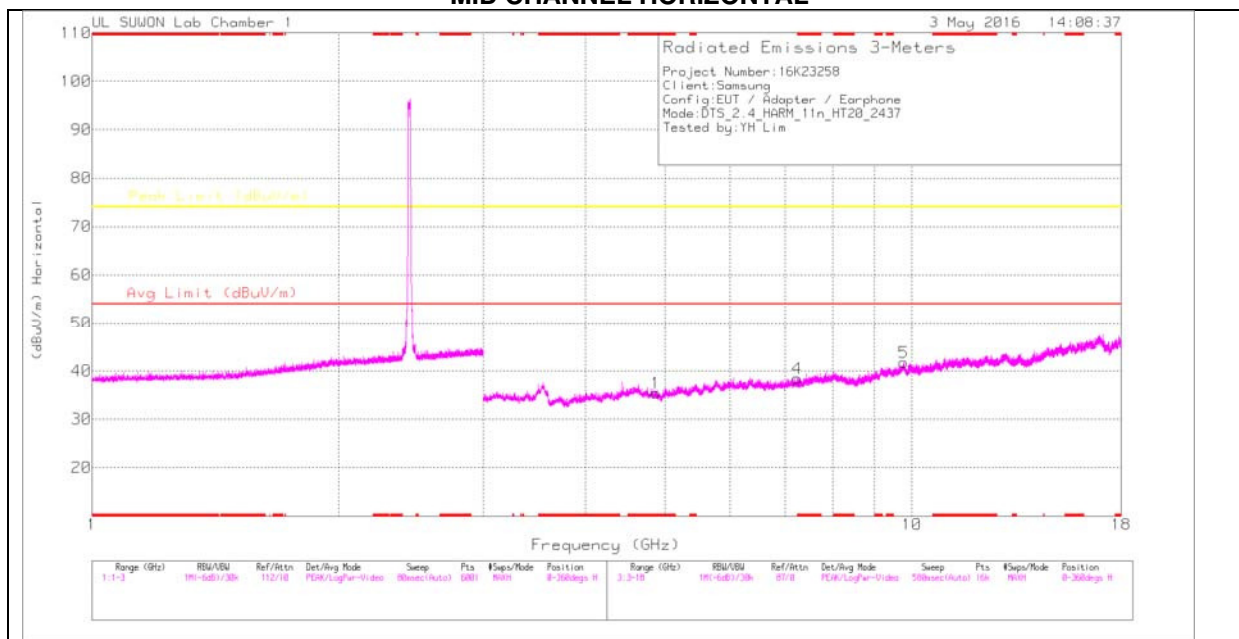
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.822	25.63	PK	33.9	-25.3	0	34.23	-	-	74	-39.77	0-360	200	H
4	7.239	24.14	PK	35.8	-23	0	36.94	-	-	74	-37.06	0-360	100	H
5	9.646	20.87	PK	36.9	-19	0	38.77	-	-	74	-35.23	0-360	100	H
2	* 4.822	26.08	PK	33.9	-25.3	0	34.68	-	-	74	-39.32	0-360	200	V
3	7.238	23.23	PK	35.8	-23	0	36.03	-	-	74	-37.97	0-360	200	V
6	9.648	21.06	PK	36.9	-19	0	38.96	-	-	74	-35.04	0-360	200	V

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

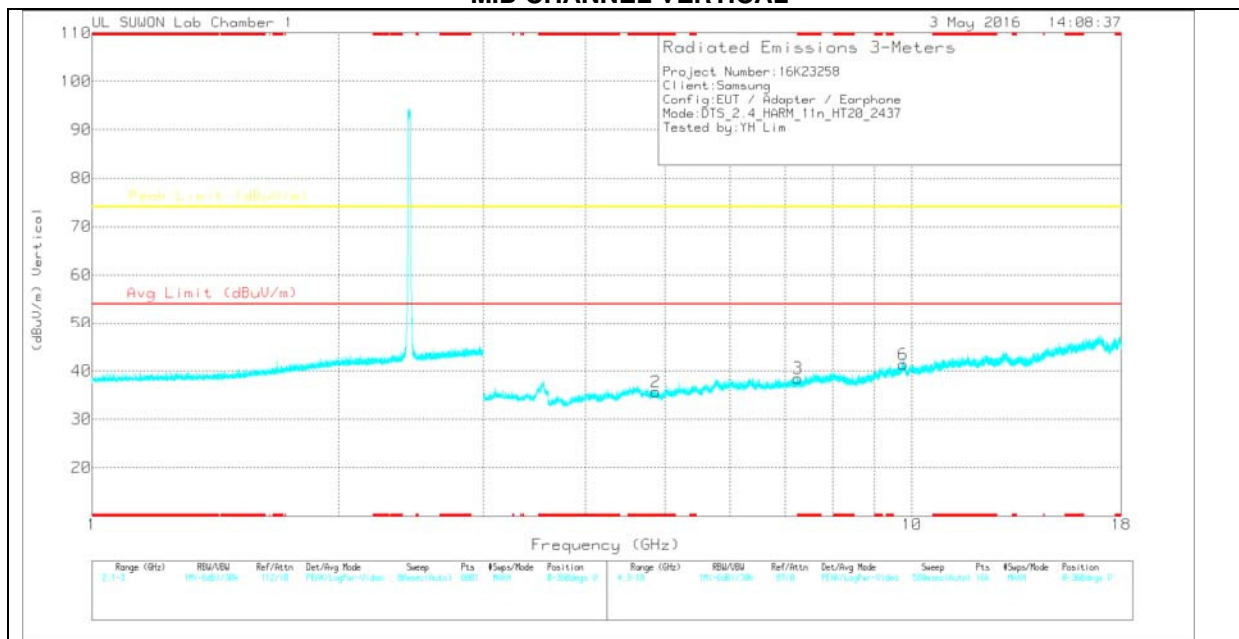
PK – Peak Detector

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

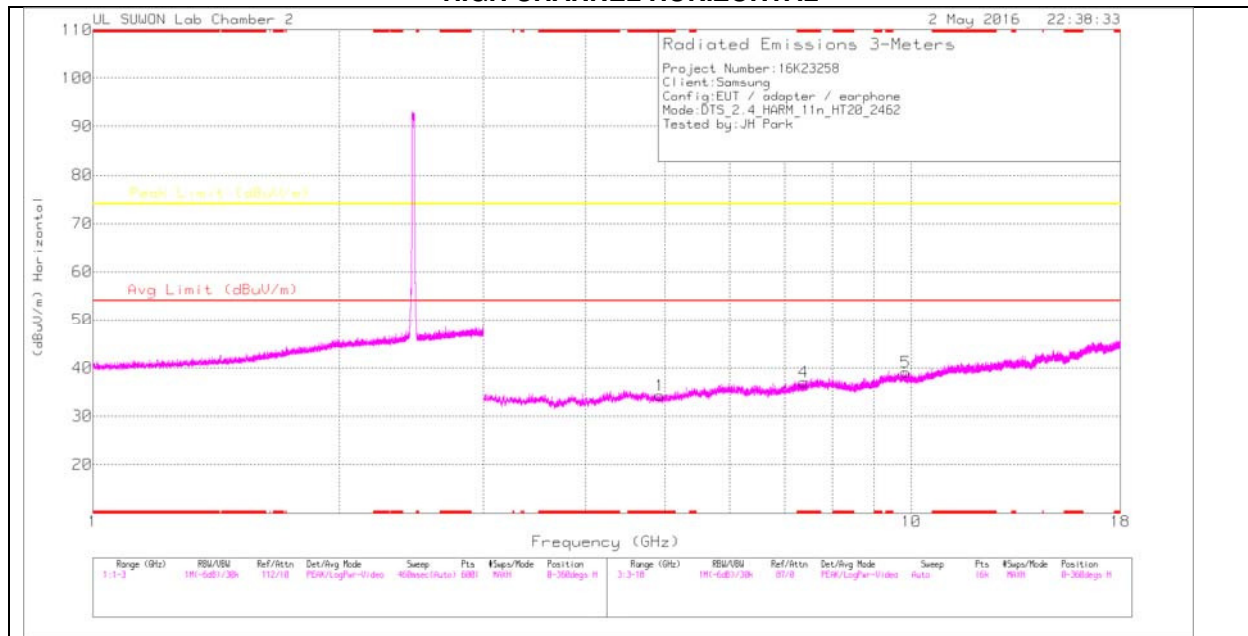
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.874	35.43	Pk	34	-34	0	35.43	-	-	74	-38.57	0-360	100	H
4	7.245	33.61	Pk	35.7	-30.9	0	38.41	-	-	74	-35.59	0-360	100	H
5	9.772	31.01	Pk	37.2	-26.5	0	41.71	-	-	74	-32.29	0-360	100	H
2	* 4.874	35.69	Pk	34	-34	0	35.69	-	-	74	-38.31	0-360	100	V
3	* 7.261	33.73	Pk	35.7	-30.9	0	38.53	-	-	74	-35.47	0-360	200	V
6	9.751	30.97	Pk	37.2	-26.8	0	41.37	-	-	74	-32.63	0-360	100	V

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

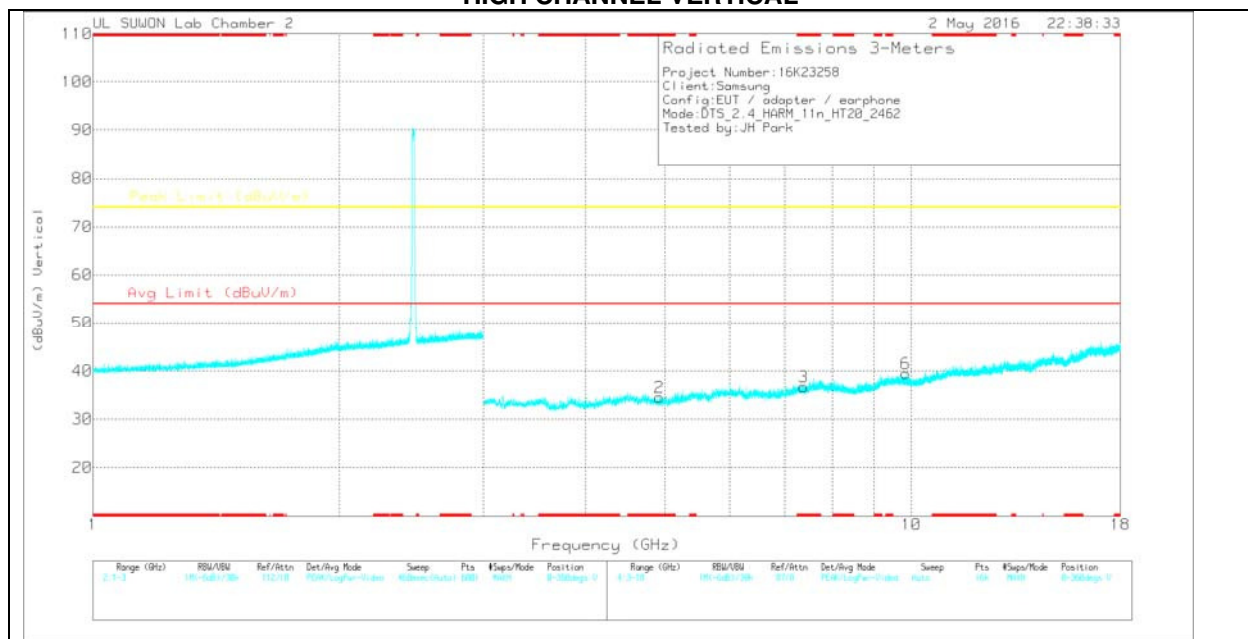
PK – Peak Detector

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

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

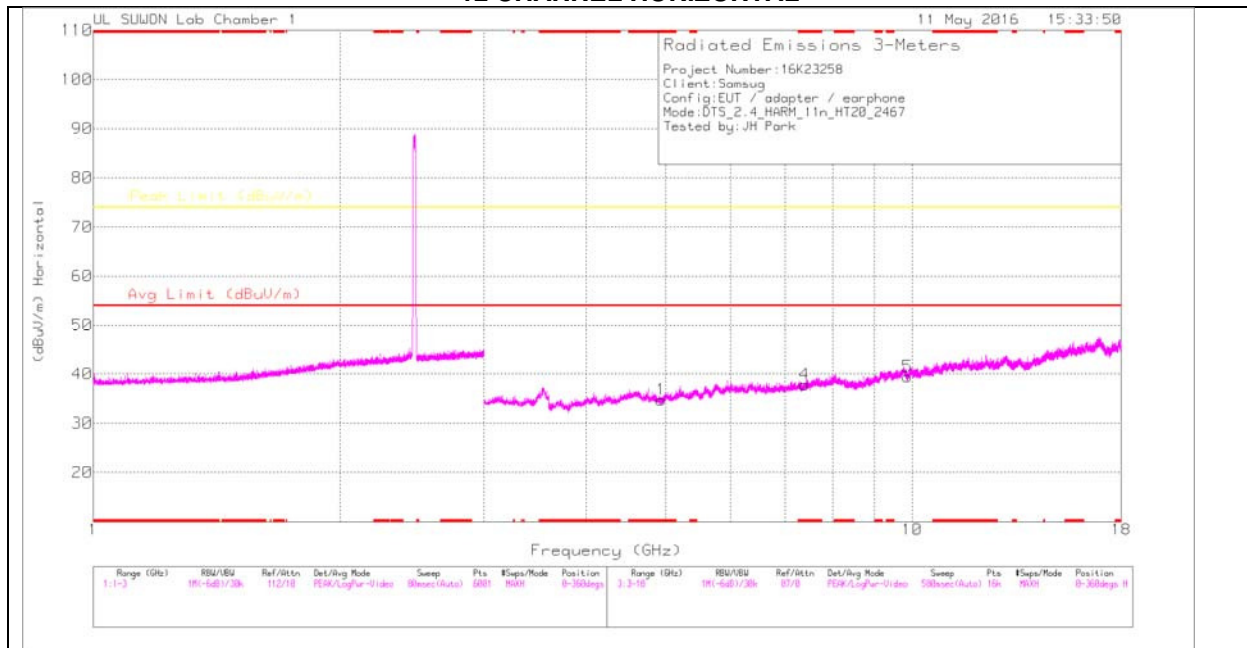
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.928	25.48	PK	33.9	-25.1	0	34.28	-	-	74	-39.72	0-360	200	H
4	* 7.389	23.33	PK	35.9	-22.2	0	37.03	-	-	74	-36.97	0-360	100	H
5	9.848	21.17	PK	37.1	-19.2	0	39.07	-	-	74	-34.93	0-360	200	H
2	* 4.921	25.78	PK	33.9	-25.1	0	34.58	-	-	74	-39.42	0-360	200	V
3	* 7.388	22.95	PK	35.9	-22.2	0	36.65	-	-	74	-37.35	0-360	200	V
6	9.848	21.58	PK	37.1	-19.2	0	39.48	-	-	74	-34.52	0-360	100	V

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

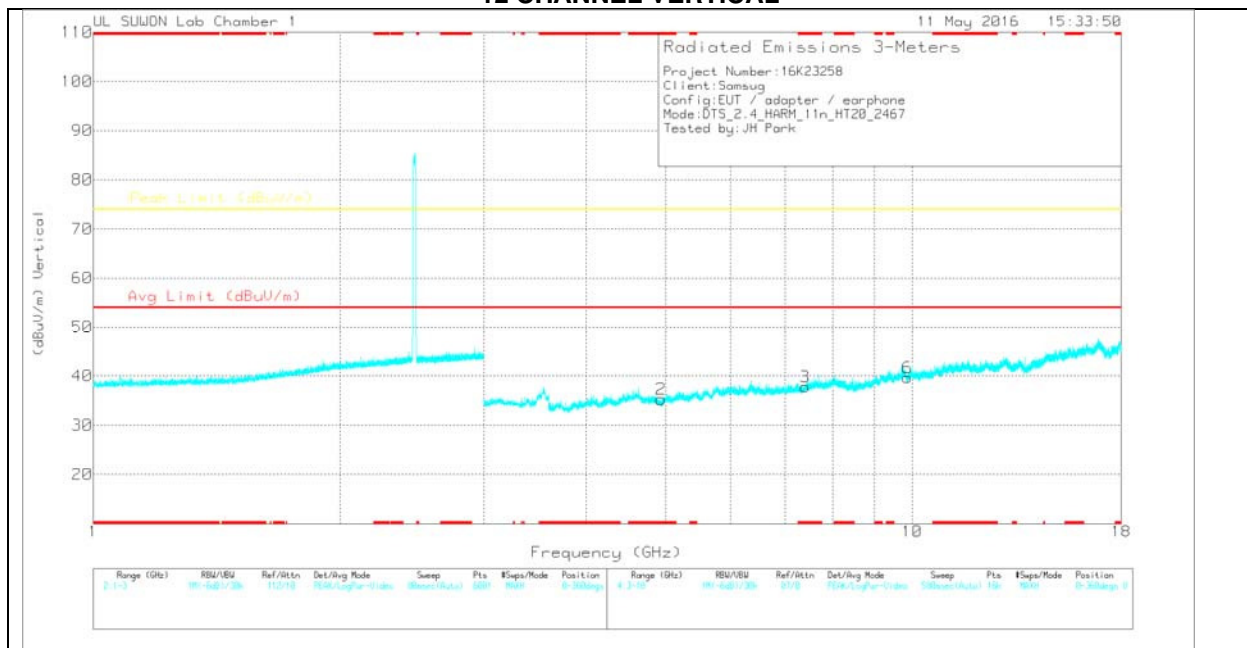
PK – Peak Detector

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

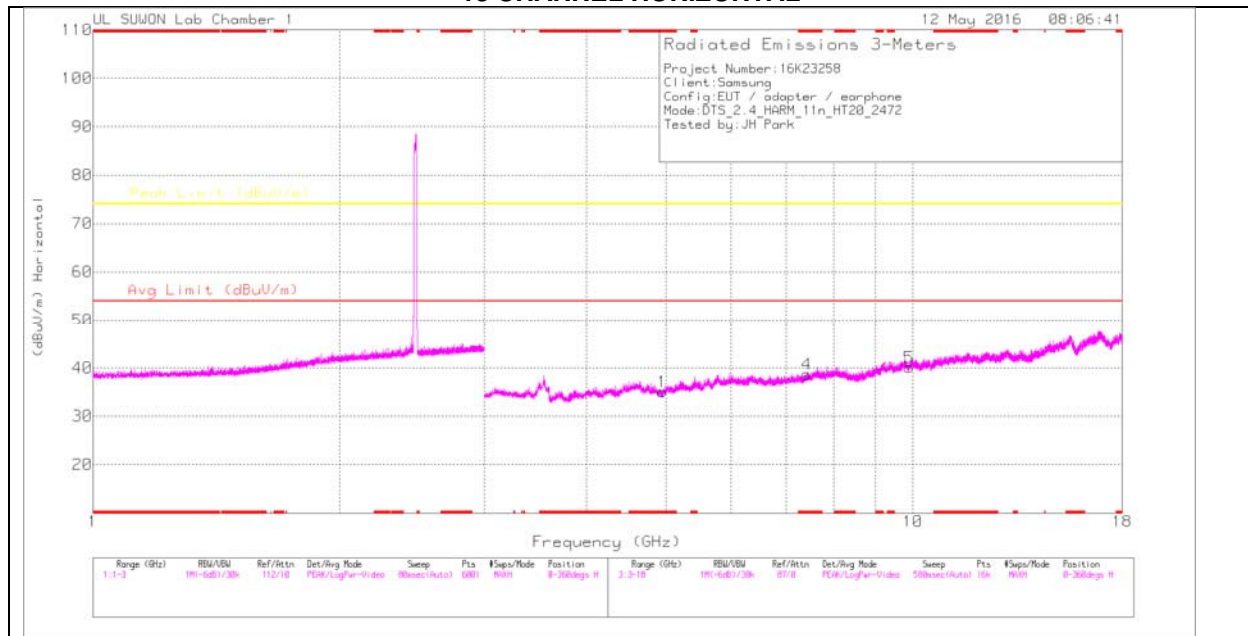
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_3	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.937	34.75	PK	34	-34	0	34.75	-	-	74	-39.25	0-360	100	H
4	* 7.396	32.66	PK	35.8	-30.6	0	37.86	-	-	74	-36.14	0-360	200	H
5	9.872	30.17	PK	37.3	-28	0	39.47	-	-	74	-34.53	0-360	200	H
2	* 4.937	35.28	PK	34	-34	0	35.28	-	-	74	-38.72	0-360	100	V
3	* 7.404	32.57	PK	35.8	-30.6	0	37.77	-	-	74	-36.23	0-360	200	V
6	9.871	30.37	PK	37.3	-28	0	39.67	-	-	74	-34.33	0-360	100	V

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

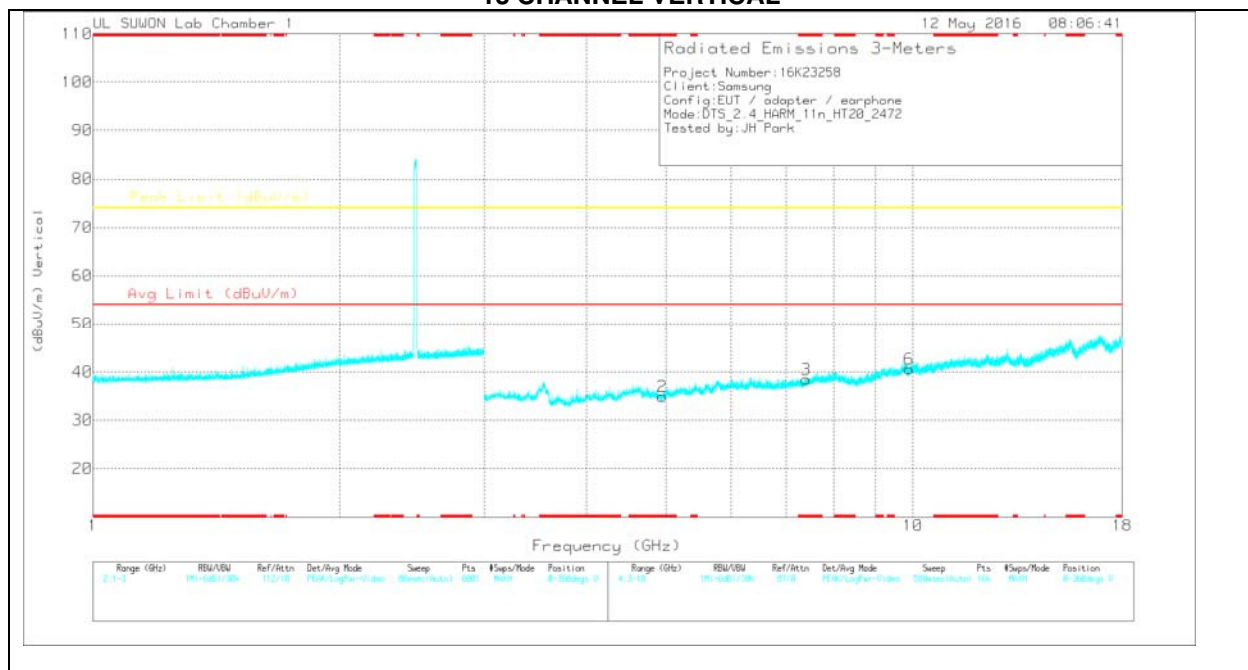
PK – Peak Detector

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

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(001687 17)_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	35.08	PK	34	-34	0	35.08	-	-	74	-38.92	0-360	200	H
4	* 7.417	33.56	PK	35.8	-30.7	0	38.66	-	-	74	-35.34	0-360	200	H
5	9.886	30.66	PK	37.3	-27.9	0	40.06	-	-	74	-33.94	0-360	200	H
2	* 4.95	34.98	PK	34	-34	0	34.98	-	-	74	-39.02	0-360	100	V
3	* 7.415	33.32	PK	35.8	-30.7	0	38.42	-	-	74	-35.58	0-360	100	V
6	9.886	31.16	PK	37.3	-27.9	0	40.56	-	-	74	-33.44	0-360	100	V

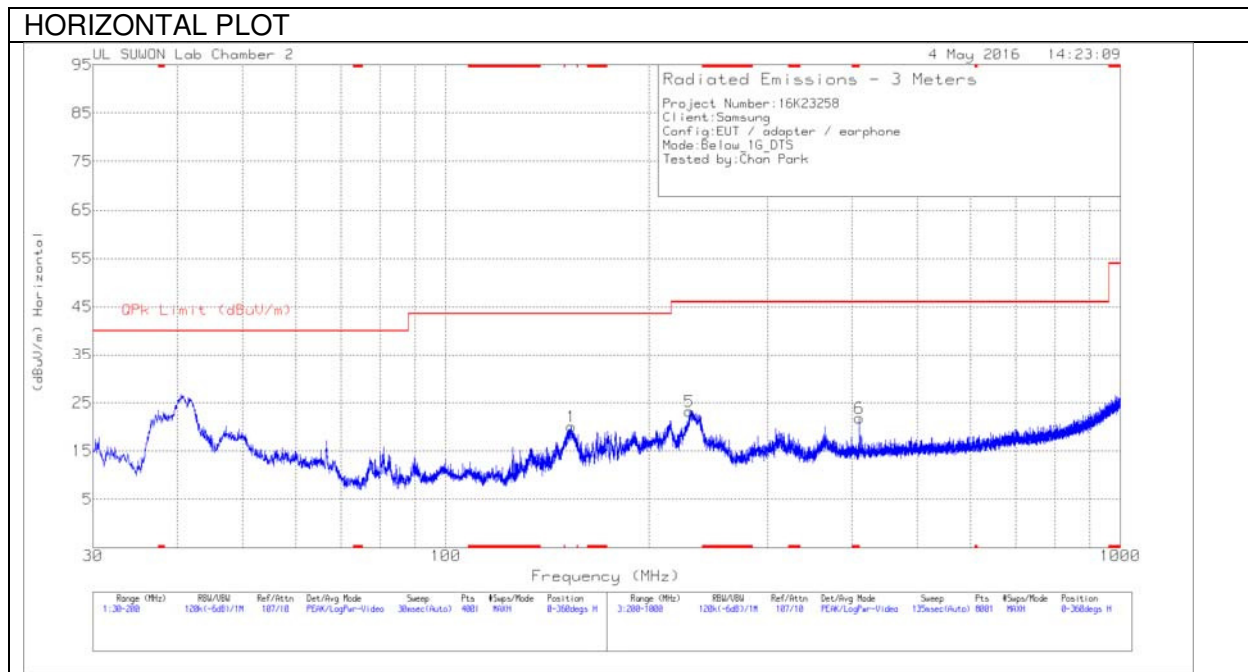
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak Detector

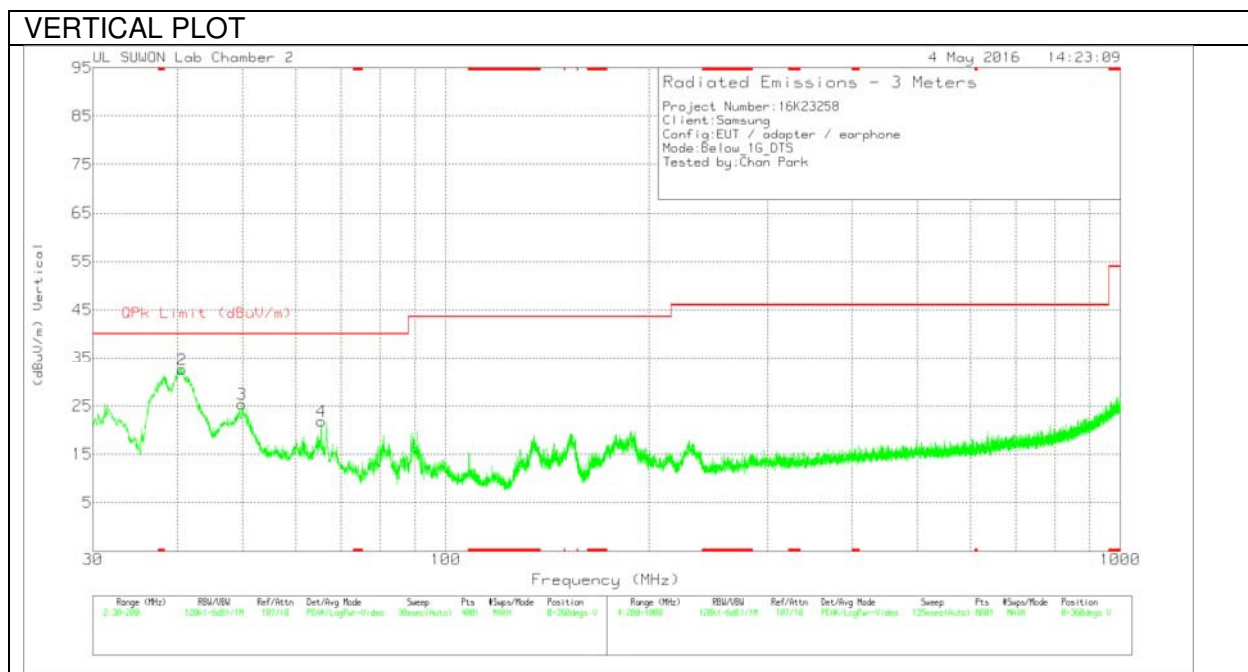
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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

Trace Markers

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
1	153.6325	42.08	Pk	8.4	-30.4	20.08	43.52	-23.44	0-360	200	H
2	40.6675	50.49	Pk	12.9	-30.8	32.59	40	-7.41	0-360	100	V
3	49.9325	41.91	Pk	14.1	-30.7	25.31	40	-14.69	0-360	100	V
4	65.4025	41.42	Pk	11.1	-30.7	21.82	40	-18.18	0-360	100	V
5	229.5	41.46	Pk	12	-30.2	23.26	46.02	-22.76	0-360	100	H
6	410.5	36.28	Pk	15.3	-29.7	21.88	46.02	-24.14	0-360	200	H

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

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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.

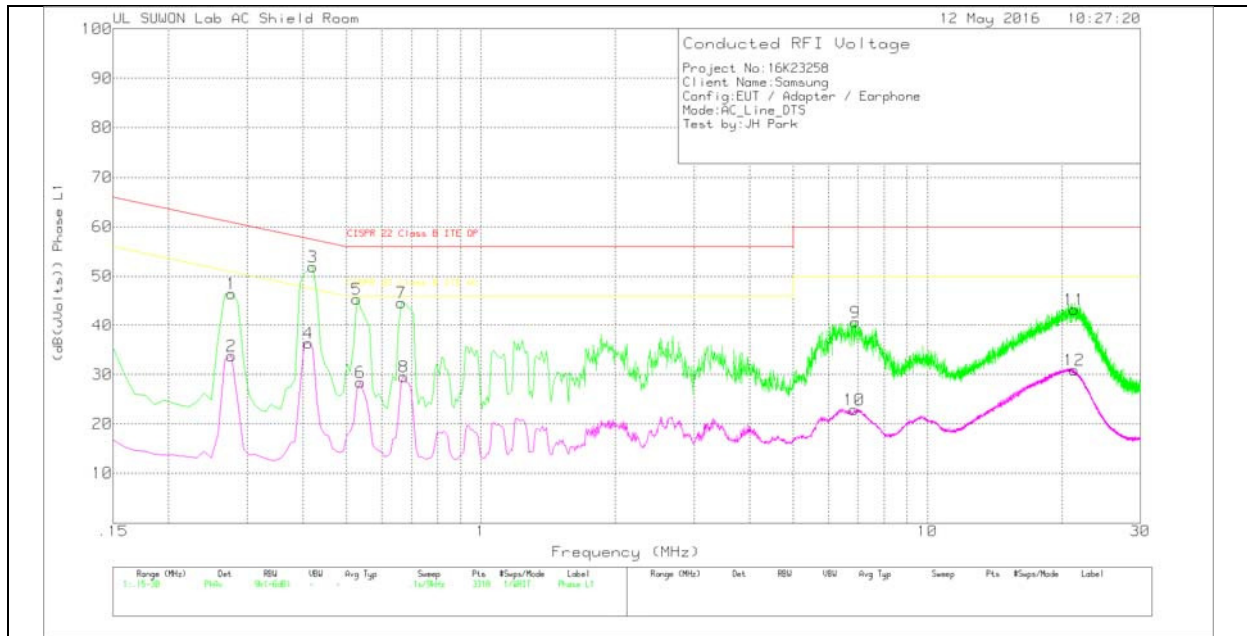
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

6 WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex- cord_L1	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.276	36.71	Pk	9.8	0	46.51	60.94	-14.43	-	-
2	.276	23.98	Av	9.8	0	33.78	-	-	50.94	-17.16
3	.42	41.86	Pk	10.1	0	51.96	57.45	-5.49	-	-
4	.411	26.24	Av	10.1	0	36.34	-	-	47.63	-11.29
5	.528	35.3	Pk	10.1	0	45.4	56	-10.6	-	-
6	.537	18.31	Av	10.1	0	28.41	-	-	46	-17.59
7	.663	34.55	Pk	10.1	0	44.65	56	-11.35	-	-
8	.672	19.39	Av	10.1	0	29.49	-	-	46	-16.51
9	6.909	30.64	Pk	9.9	.1	40.64	60	-19.36	-	-
10	6.864	12.84	Av	9.9	.1	22.84	-	-	50	-27.16
11	21.345	32.61	Pk	10.5	.2	43.31	60	-16.69	-	-
12	21.318	20.23	Av	10.5	.2	30.93	-	-	50	-19.07

Pk - Peak detector

Av - Average detection

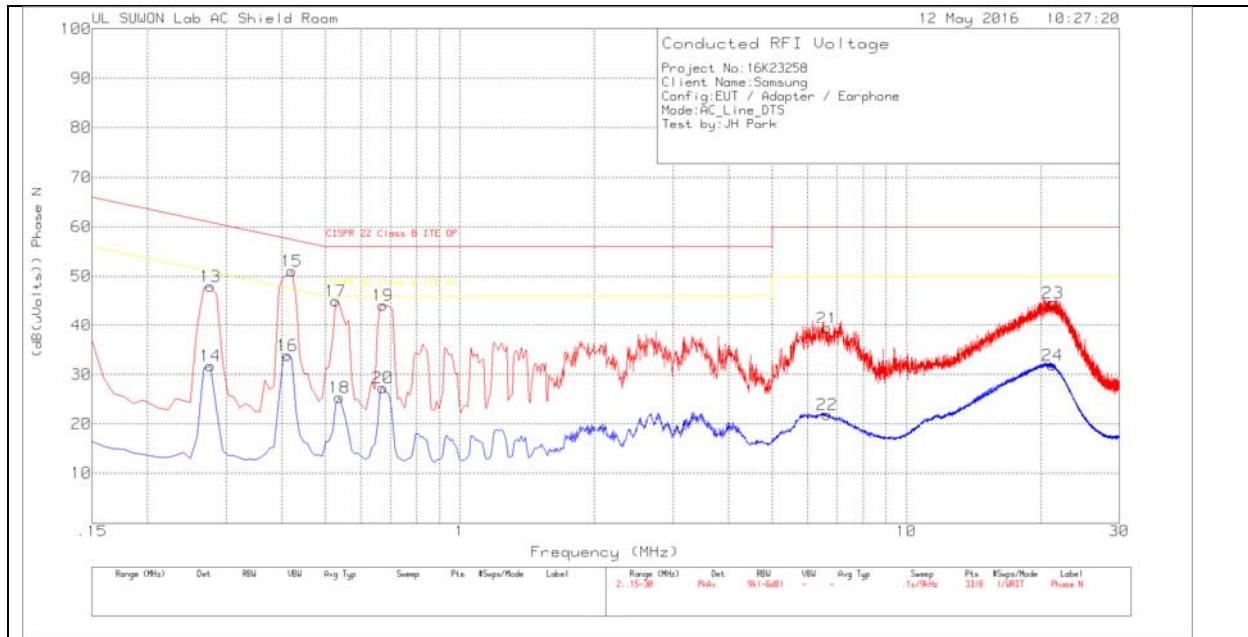
Quasi-Peak Emissions

Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101837_wit h ex-cord_L1	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
.4218	39.23	Qp	10.1	0	49.33	57.41	-8.08	-	-
.4146	38.68	Qp	10.1	0	48.78	57.56	-8.78	-	-

Qp – Quasi-Peak detector

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_wi th ex- cord_N	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.276	38.16	Pk	9.8	0	47.96	60.94	-12.98	-	-
14	.276	21.92	Av	9.8	0	31.72	-	-	50.94	-19.22
15	.42	40.98	Pk	10.1	0	51.08	57.45	-6.37	-	-
16	.411	23.76	Av	10.1	0	33.86	-	-	47.63	-13.77
17	.528	34.89	Pk	10.1	0	44.99	56	-11.01	-	-
18	.537	15.25	Av	10.1	0	25.35	-	-	46	-20.65
19	.672	34.09	Pk	10	0	44.09	56	-11.91	-	-
20	.672	17.27	Av	10	0	27.27	-	-	46	-18.73
21	6.648	29.47	Pk	9.9	.1	39.47	60	-20.53	-	-
22	6.648	11.87	Av	9.9	.1	21.87	-	-	50	-28.13
23	21.3	33.77	Pk	10.7	.2	44.67	60	-15.33	-	-
24	21.246	20.98	Av	10.7	.2	31.88	-	-	50	-18.12

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101837_wi h ex-cord_N	CE Shield Room	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
.4218	38.02	Qp	10.1	0	48.12	57.41	-9.29	-	-
.4155	37.76	Qp	10.1	0	47.86	57.54	-9.68	-	-

Qp – Quasi-Peak detector