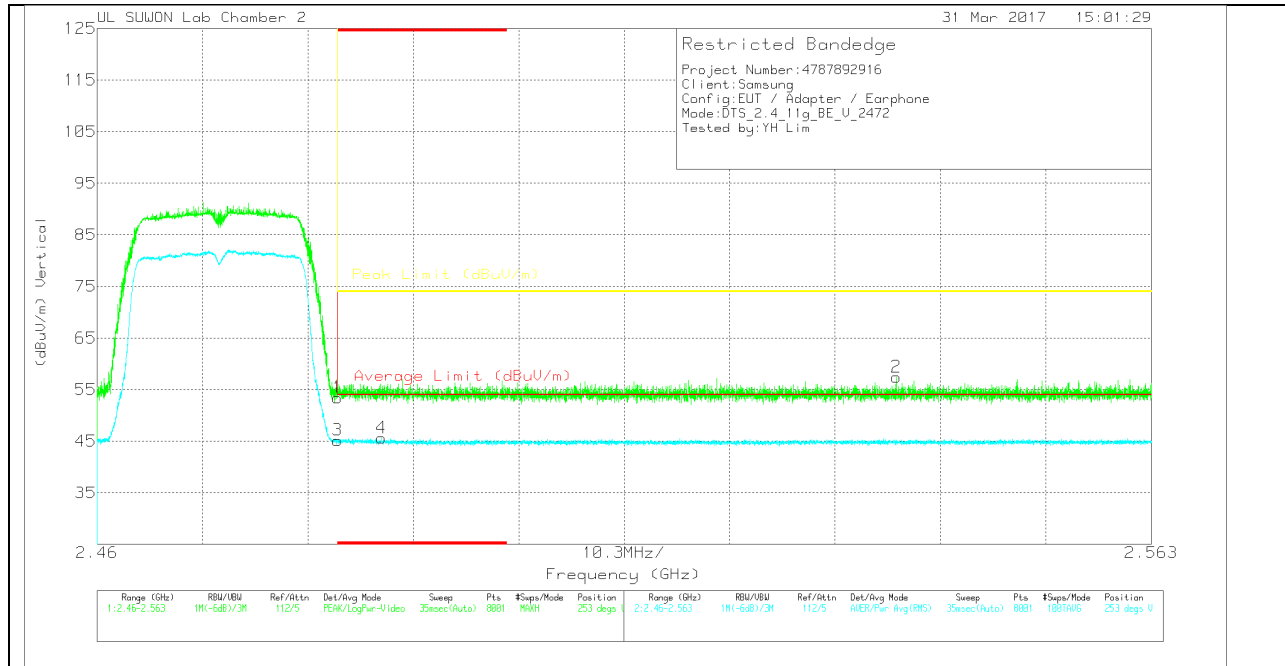


VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	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	39.66	Pk	31.8	-18	0	53.46	-	-	74	-20.54	253	400	V
2	2.538	43.56	Pk	31.9	-18	0	57.46	-	-	74	-16.54	253	400	V
3	* 2.484	31.06	RMS	31.8	-18	.33	45.19	54	-8.81	-	-	253	400	V
4	* 2.488	31.52	RMS	31.8	-18	.33	45.65	54	-8.35	-	-	253	400	V

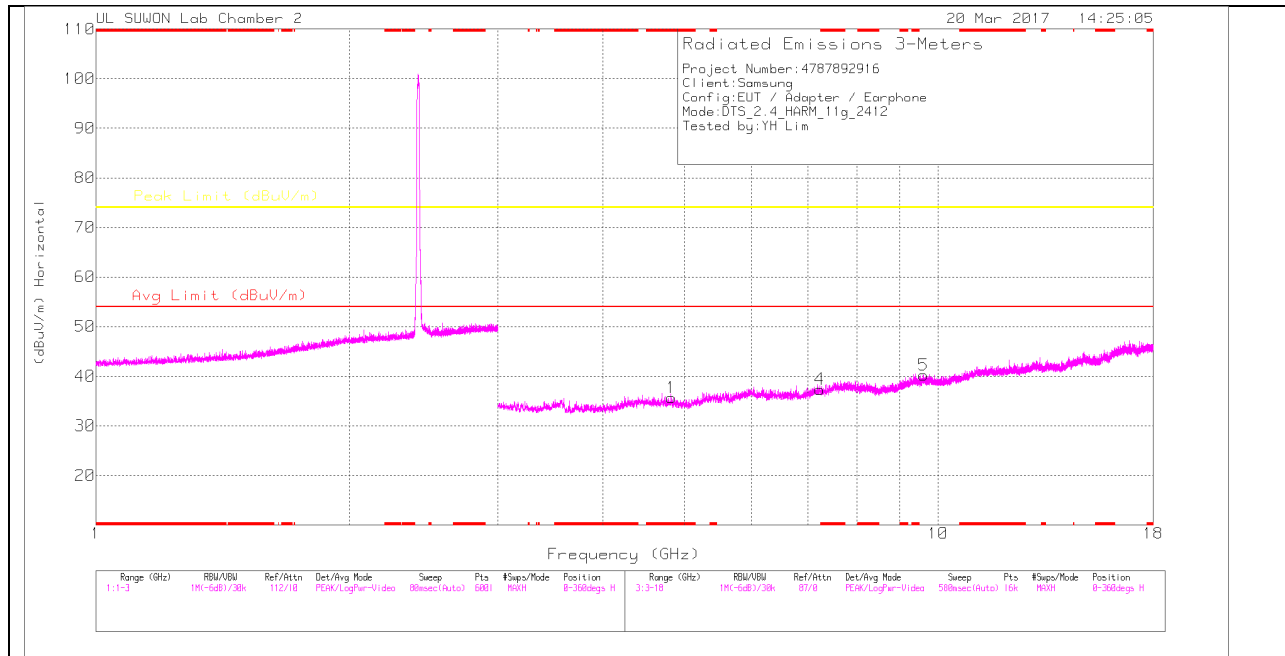
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

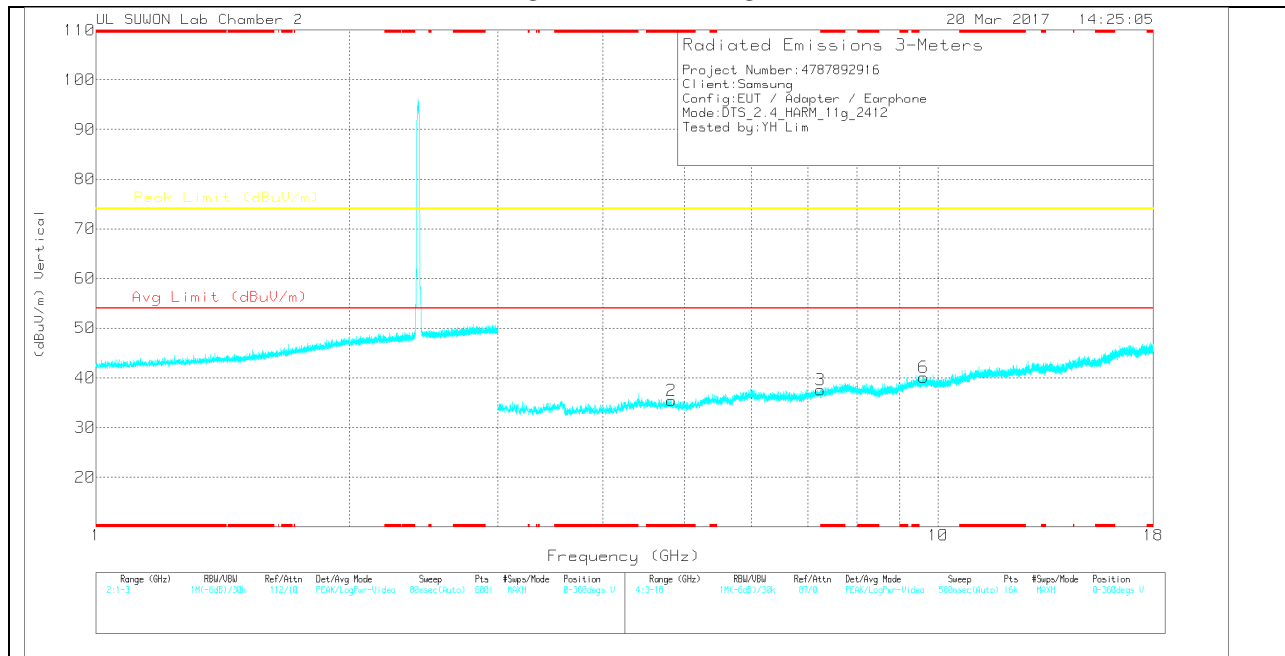
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

1 CHANNEL HORIZONTAL



1 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.

1 CHANNEL DATA

Trace Markers

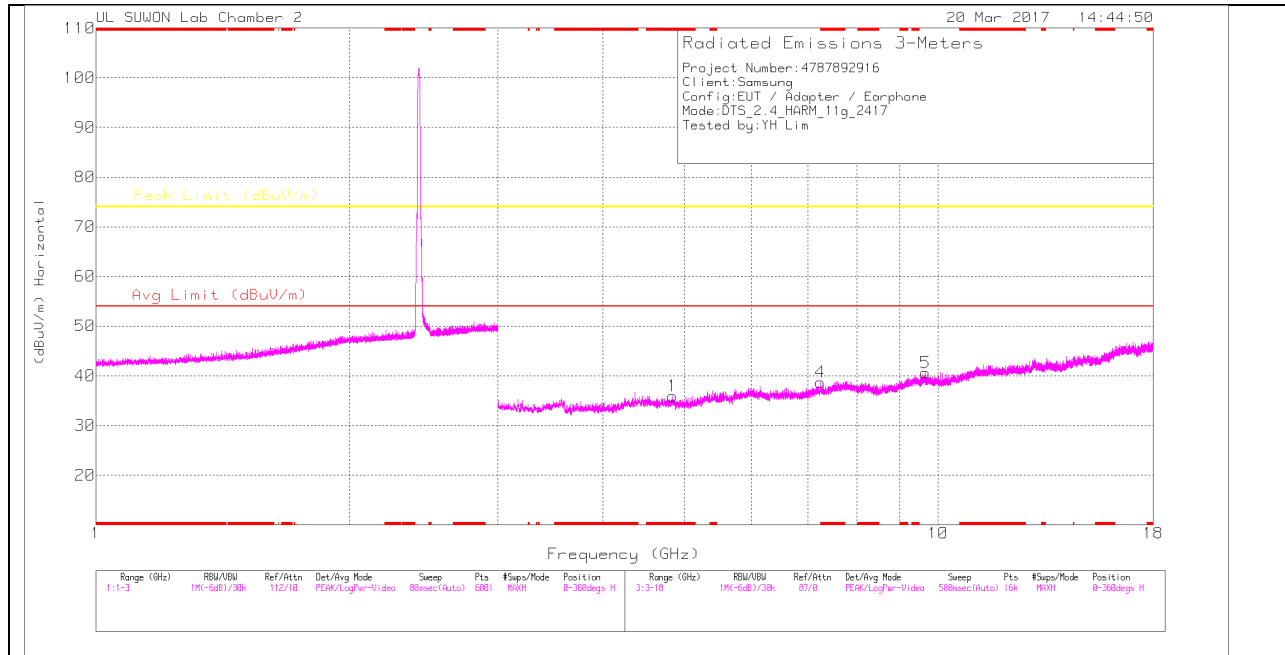
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.819	26.04	PK	33.9	-24.3	0	35.64	-	-	74	-38.36	0-360	250	H
4	7.229	23.49	PK	35.8	-21.9	0	37.39	-	-	74	-36.61	0-360	250	H
5	9.608	21.72	PK	36.9	-18.4	0	40.22	-	-	74	-33.78	0-360	150	H
2	* 4.82	25.81	PK	33.9	-24.3	0	35.41	-	-	74	-38.59	0-360	150	V
3	7.246	23.75	PK	35.8	-22	0	37.55	-	-	74	-36.45	0-360	150	V
6	9.6	21.66	PK	36.9	-18.4	0	40.16	-	-	74	-33.84	0-360	250	V

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

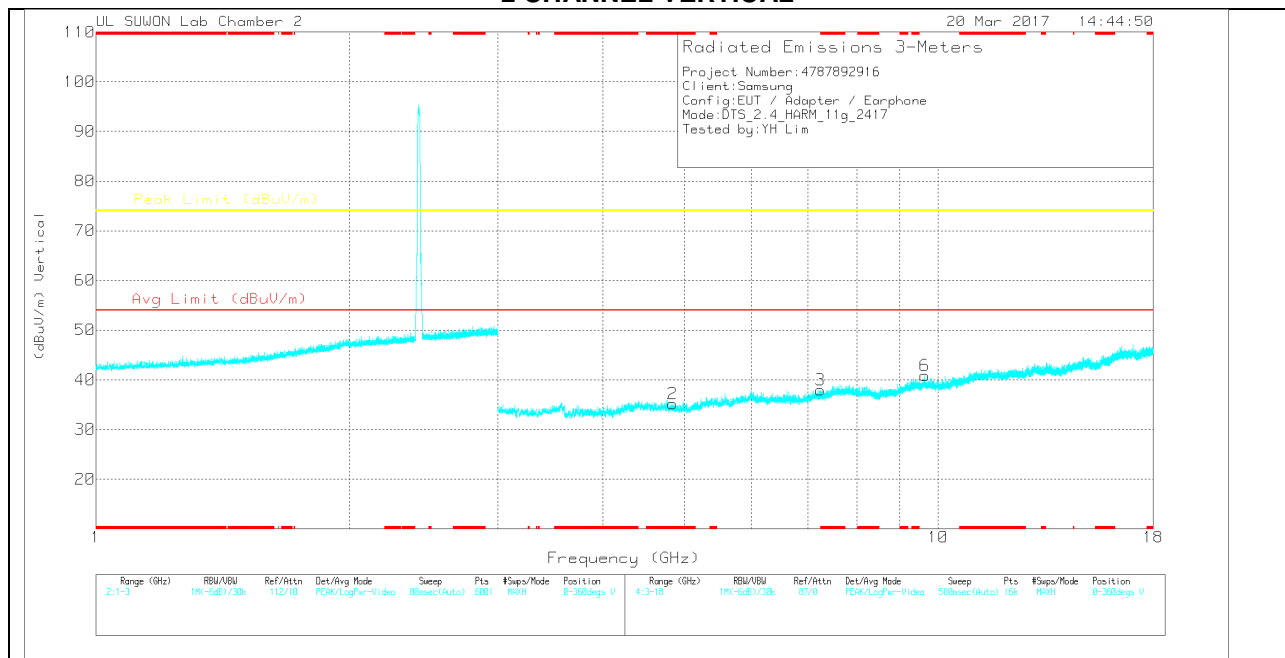
PK – Peak detector

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

2 CHANNEL HORIZONTAL



2 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.

2 CHANNEL DATA

Trace Markers

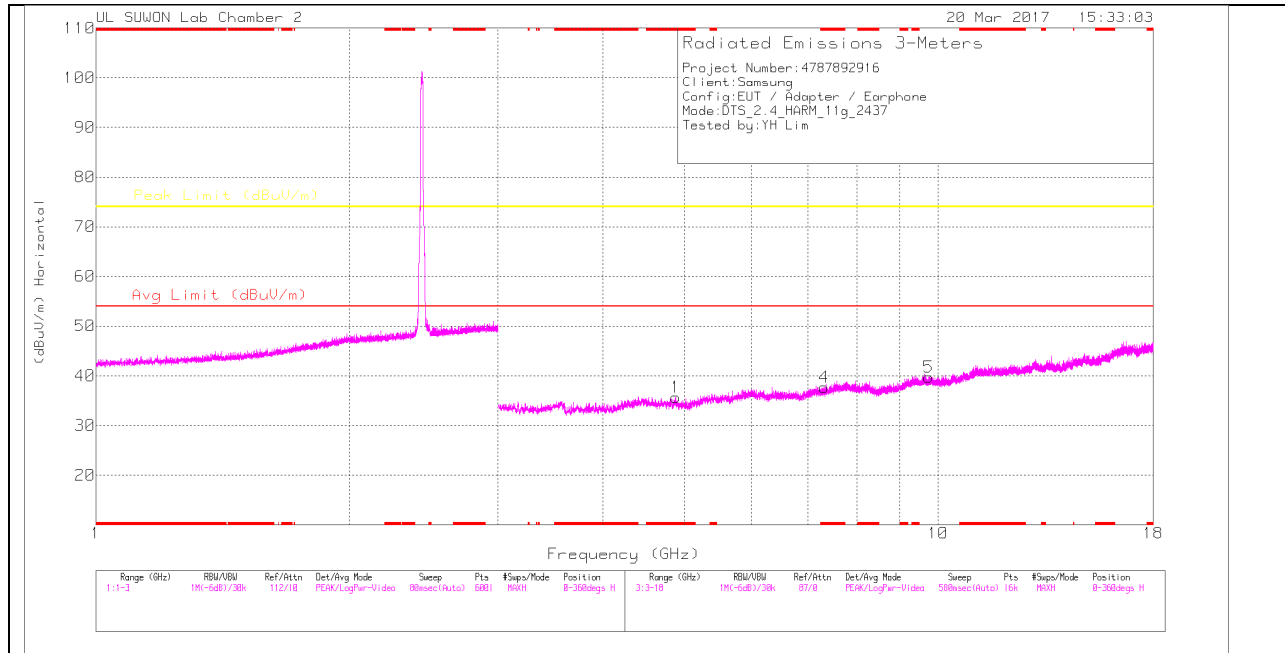
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.836	26.35	PK	33.9	-24.3	0	35.95	-	-	74	-38.05	0-360	150	H
4	7.245	24.93	PK	35.8	-22	0	38.73	-	-	74	-35.27	0-360	150	H
5	9.65	22	PK	36.9	-18.3	0	40.6	-	-	74	-33.4	0-360	150	H
2	* 4.841	25.58	PK	33.9	-24.3	0	35.18	-	-	74	-38.82	0-360	250	V
3	7.241	24.19	PK	35.8	-22	0	37.99	-	-	74	-36.01	0-360	150	V
6	9.646	22.25	PK	36.9	-18.3	0	40.85	-	-	74	-33.15	0-360	250	V

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

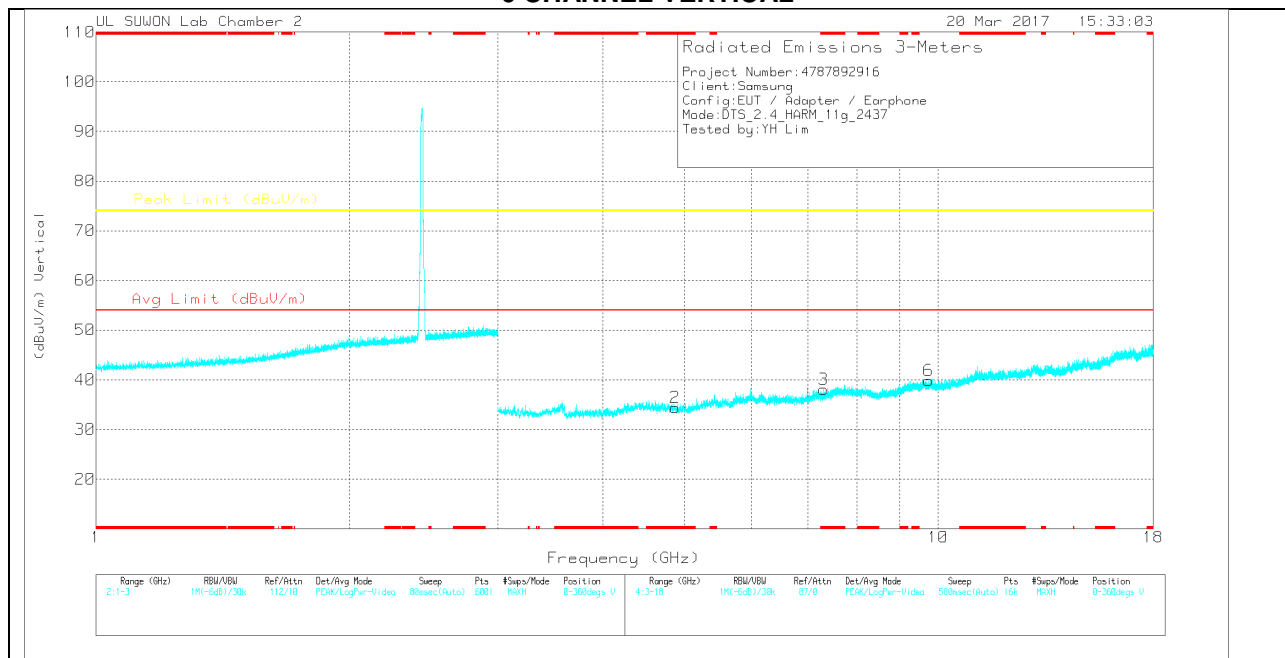
PK – Peak detector

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

6 CHANNEL HORIZONTAL



6 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.

6 CHANNEL DATA

Trace Markers

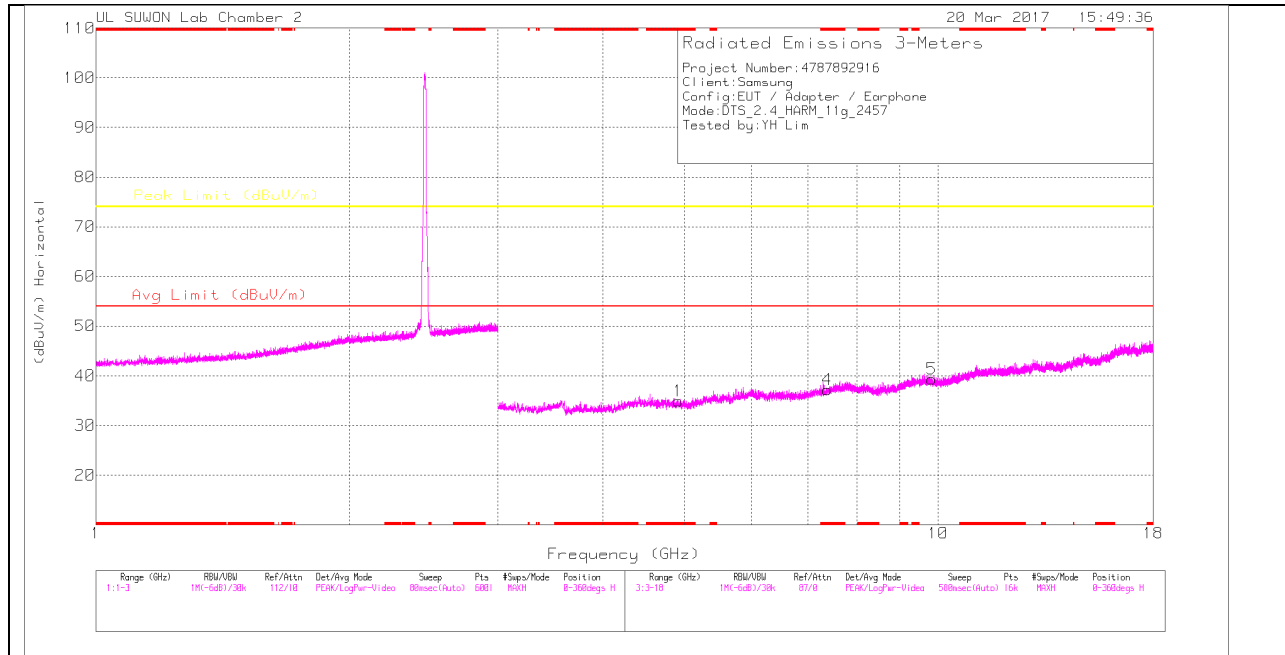
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.876	26.31	PK	33.9	-24.5	0	35.71	-	-	74	-38.29	0-360	150	H
4	* 7.316	23.8	PK	35.9	-22	0	37.7	-	-	74	-36.3	0-360	250	H
5	9.74	20.79	PK	37	-18.1	0	39.69	-	-	74	-34.31	0-360	150	H
2	* 4.875	24.99	PK	33.9	-24.5	0	34.39	-	-	74	-39.61	0-360	250	V
3	* 7.307	24.14	PK	35.9	-22	0	38.04	-	-	74	-35.96	0-360	150	V
6	9.746	21	PK	37	-18.1	0	39.9	-	-	74	-34.1	0-360	150	V

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

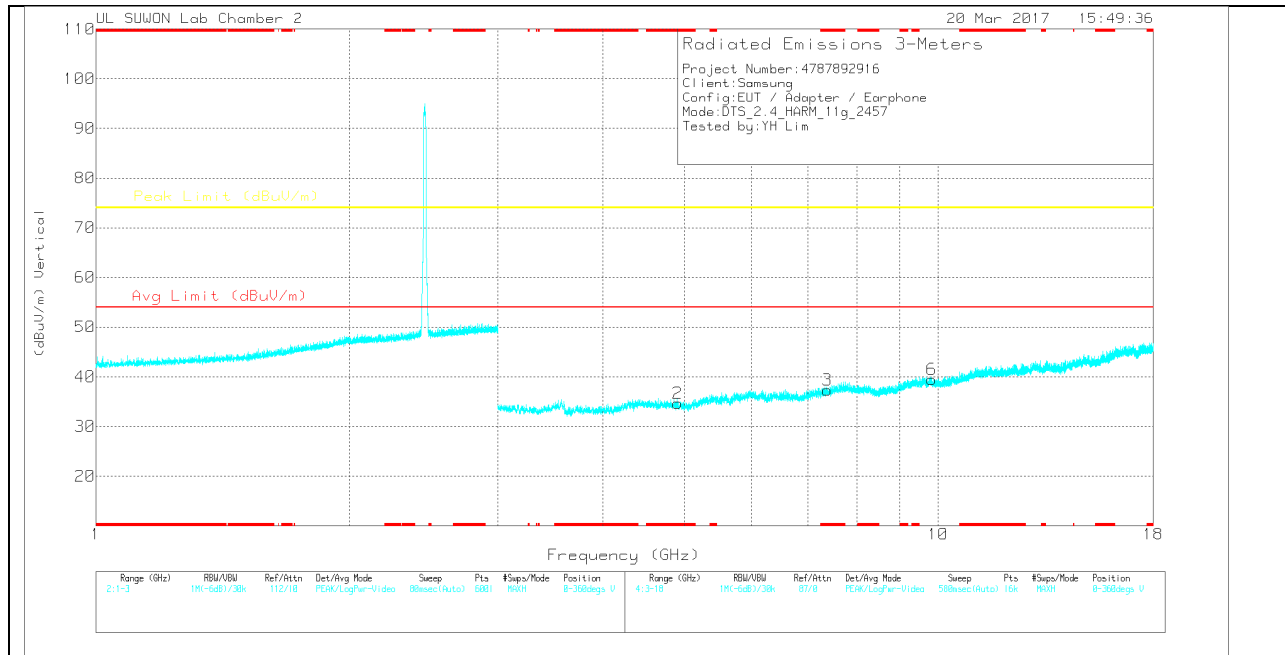
PK – Peak detector

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

10 CHANNEL HORIZONTAL



10 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.

10 CHANNEL DATA

Trace Markers

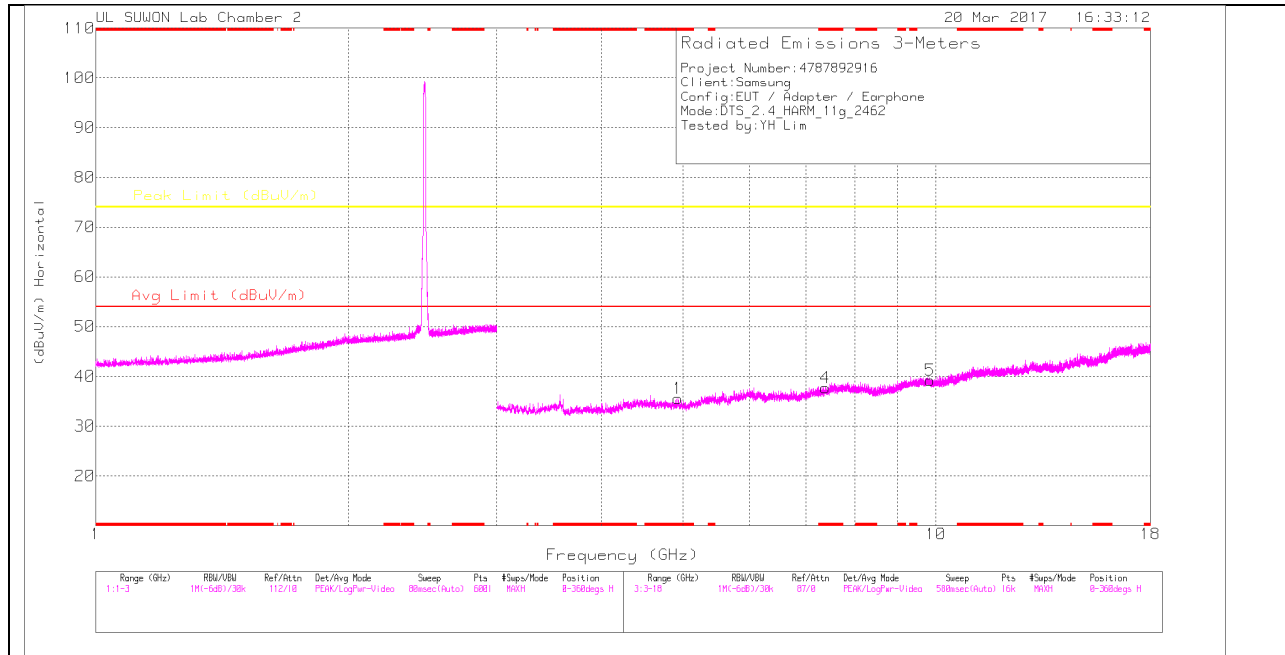
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.914	25.61	PK	33.9	-24.6	0	34.91	-	-	74	-39.09	0-360	150	H
4	* 7.383	22.71	PK	35.9	-21.4	0	37.21	-	-	74	-36.79	0-360	250	H
5	9.827	20.17	PK	37.1	-17.9	0	39.37	-	-	74	-34.63	0-360	250	H
2	* 4.907	25.42	PK	33.9	-24.6	0	34.72	-	-	74	-39.28	0-360	150	V
3	* 7.383	22.82	PK	35.9	-21.4	0	37.32	-	-	74	-36.68	0-360	250	V
6	9.831	20.24	PK	37.1	-17.9	0	39.44	-	-	74	-34.56	0-360	250	V

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

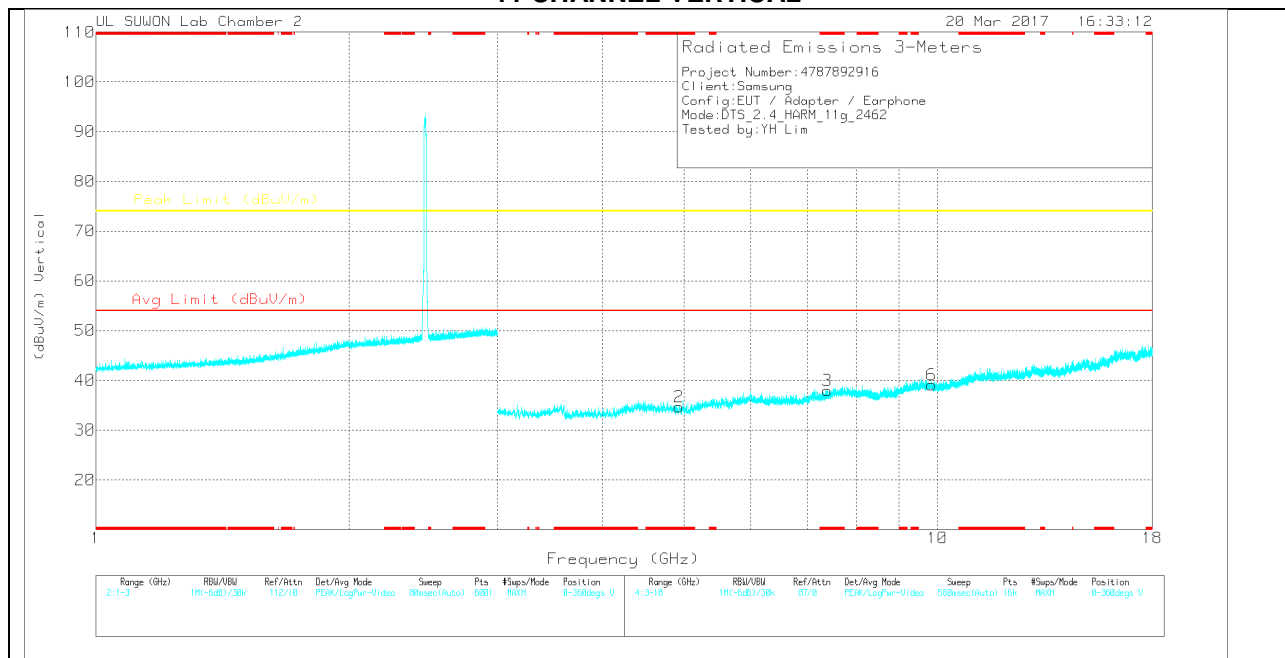
PK – Peak detector

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

11 CHANNEL HORIZONTAL



11 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

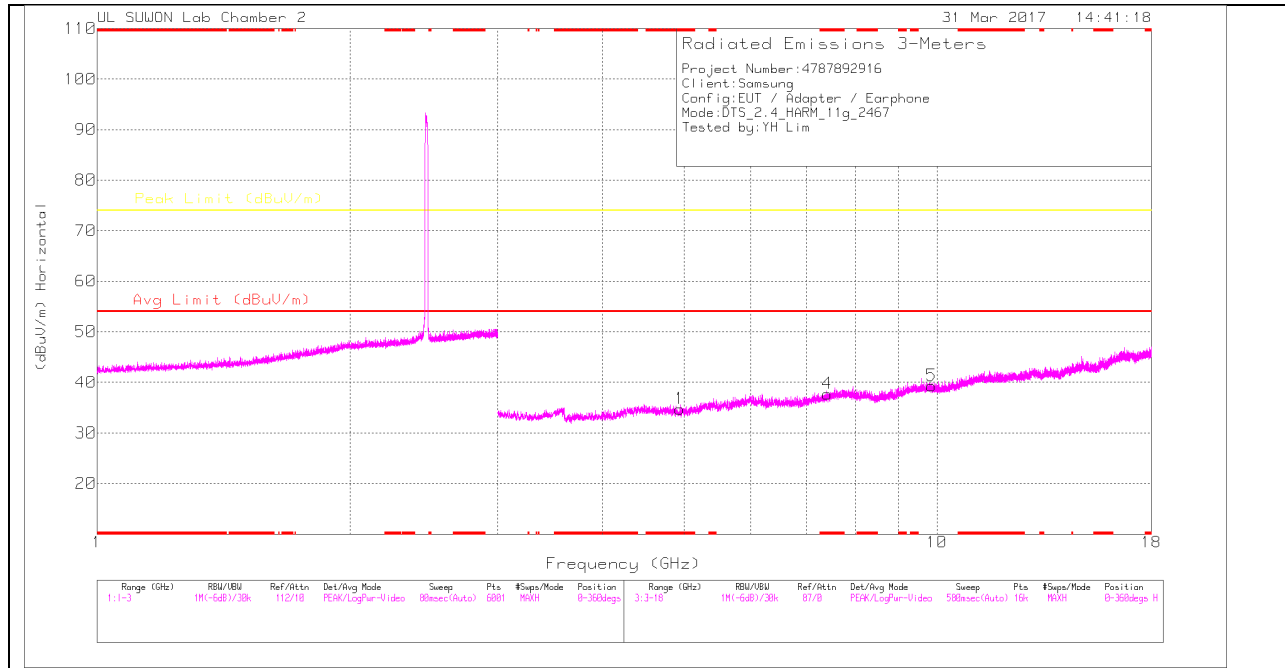
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.929	26.41	PK	33.9	-24.7	0	35.61	-	-	74	-38.39	0-360	250	H
4	* 7.391	23.06	PK	35.9	-21.3	0	37.66	-	-	74	-36.34	0-360	250	H
5	9.847	20.05	PK	37.1	-17.9	0	39.25	-	-	74	-34.75	0-360	150	H
2	* 4.927	25.53	PK	33.9	-24.7	0	34.73	-	-	74	-39.27	0-360	250	V
3	* 7.394	23.33	PK	35.9	-21.3	0	37.93	-	-	74	-36.07	0-360	250	V
6	9.849	19.88	PK	37.1	-17.9	0	39.08	-	-	74	-34.92	0-360	250	V

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

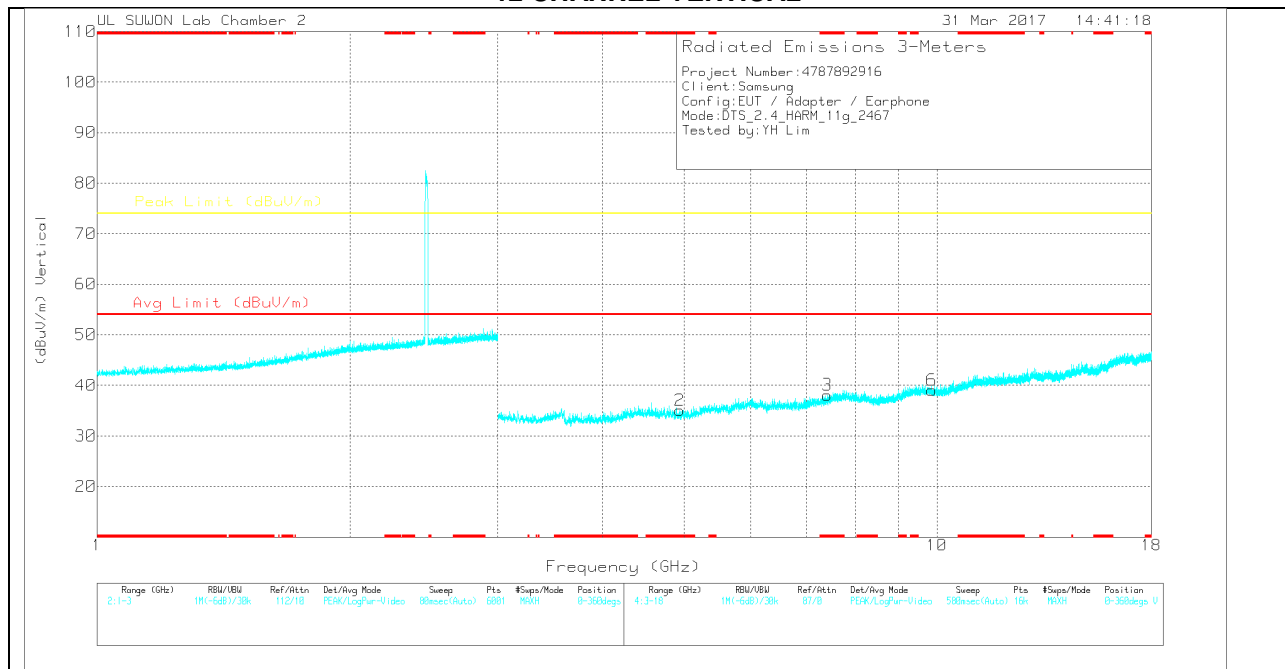
PK – Peak detector

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

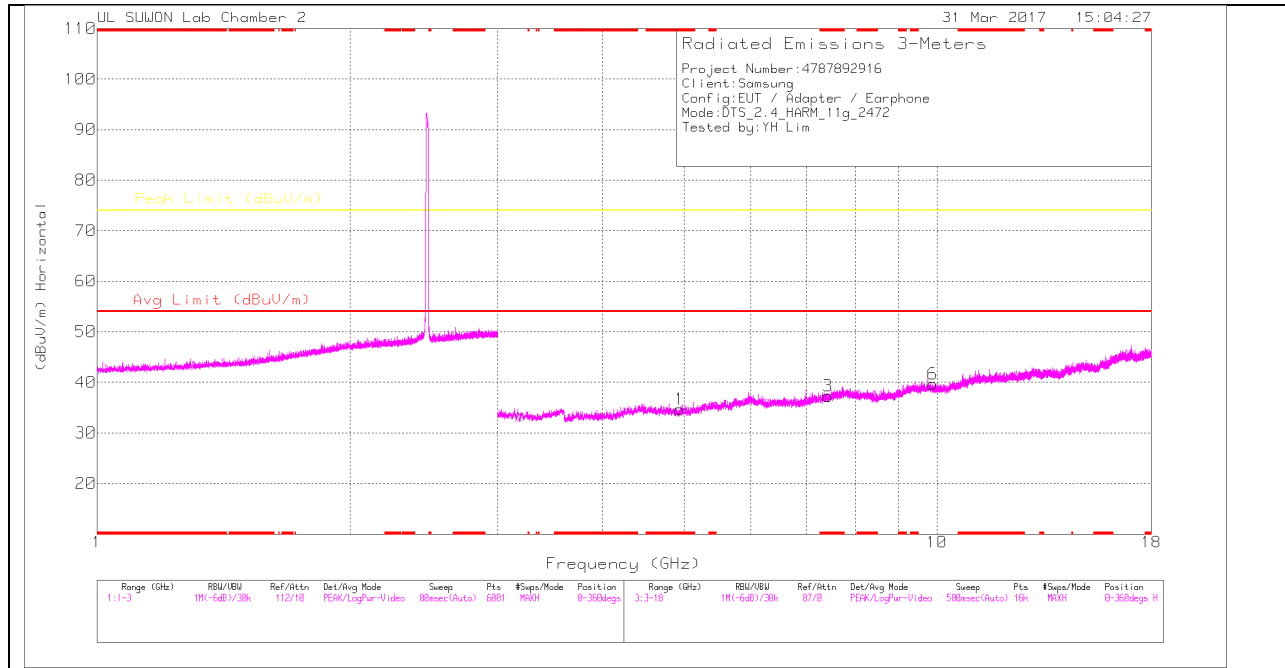
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.938	25.66	PK	33.9	-24.8	0	34.76	-	-	74	-39.24	0-360	150	H
4	* 7.405	23.04	PK	36	-21.3	0	37.74	-	-	74	-36.26	0-360	150	H
5	9.859	20.25	PK	37.1	-18	0	39.35	-	-	74	-34.65	0-360	250	H
2	* 4.941	25.98	PK	33.9	-24.8	0	35.08	-	-	74	-38.92	0-360	150	V
3	* 7.409	23.38	PK	36	-21.3	0	38.08	-	-	74	-35.92	0-360	250	V
6	9.861	19.95	PK	37.1	-18	0	39.05	-	-	74	-34.95	0-360	250	V

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

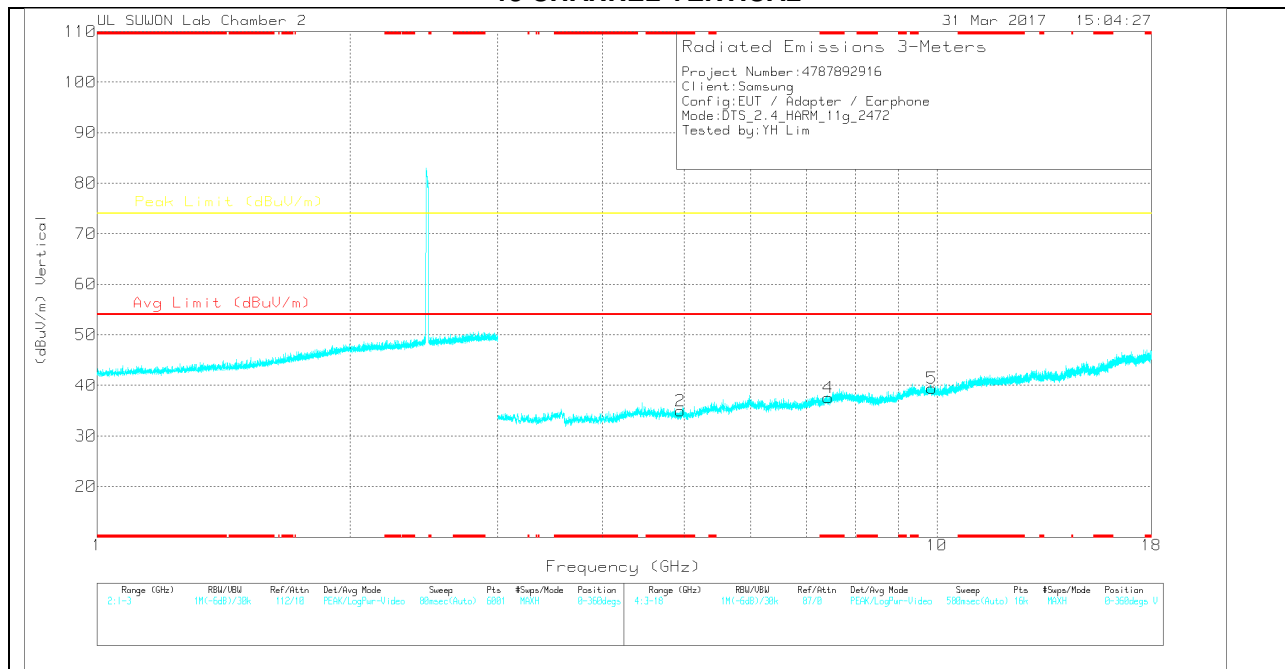
PK – Peak detector

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 24)_150619	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	* 4.942	25.54	PK	33.9	-24.8	0	34.64	-	-	74	-39.36	0-360	150	H
3	* 7.42	22.46	PK	36	-21.2	0	37.26	-	-	74	-36.74	0-360	150	H
6	9.882	20.55	PK	37.1	-18	0	39.65	-	-	74	-34.35	0-360	250	H
2	* 4.947	25.71	PK	33.9	-24.7	0	34.91	-	-	74	-39.09	0-360	150	V
4	* 7.424	22.65	PK	36	-21.1	0	37.55	-	-	74	-36.45	0-360	250	V
5	9.863	20.3	PK	37.1	-18	0	39.4	-	-	74	-34.6	0-360	150	V

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

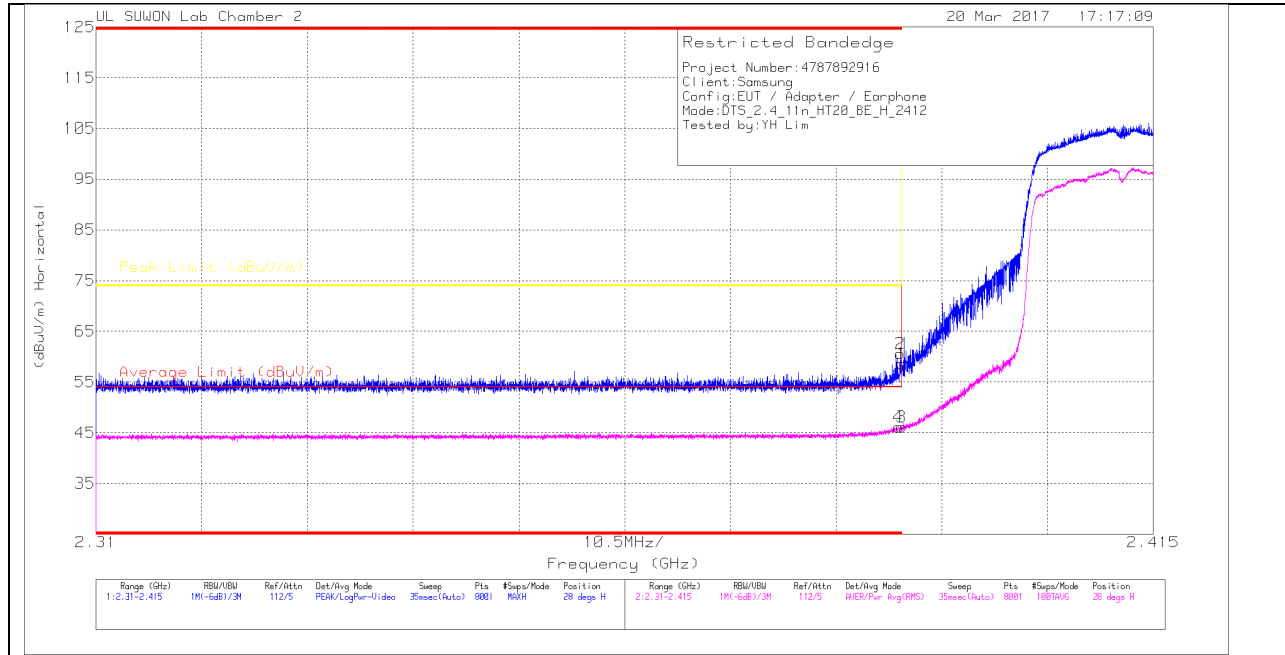
PK – Peak detector

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

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

BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

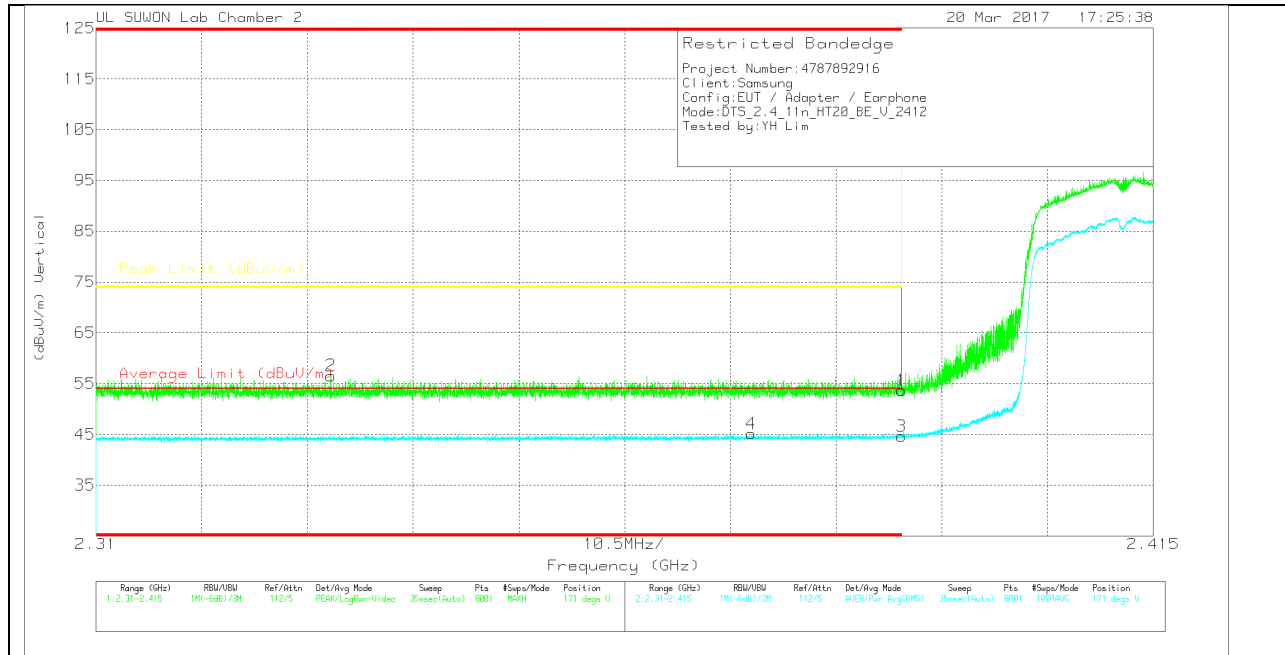
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.14	PK	31.7	-18.2	0	58.64	-	-	74	-15.36	28	119	H
2	* 2.39	47.07	PK	31.7	-18.2	0	60.57	-	-	74	-13.43	28	119	H
3	* 2.39	32.23	RMS	31.7	-18.2	.35	46.08	54	-7.92	-	-	28	119	H
4	* 2.39	32.3	RMS	31.7	-18.2	.35	46.15	54	-7.85	-	-	28	119	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	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	40.18	PK	31.7	-18.2	0	53.68	-	-	74	-20.32	171	122	V
2	* 2.333	43.37	PK	31.6	-18.4	0	56.57	-	-	74	-17.43	171	122	V
3	* 2.39	30.77	RMS	31.7	-18.2	.35	44.62	54	-9.38	-	-	171	122	V
4	* 2.375	31.37	RMS	31.7	-18.3	.35	45.12	54	-8.88	-	-	171	122	V

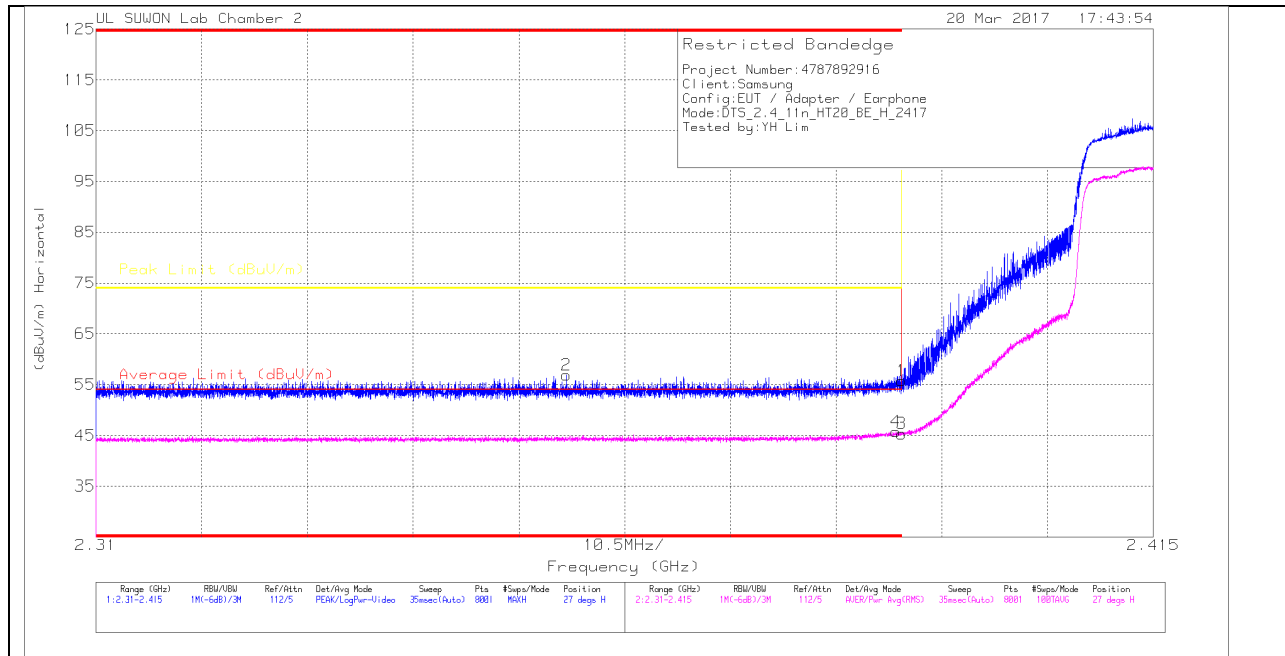
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (2 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

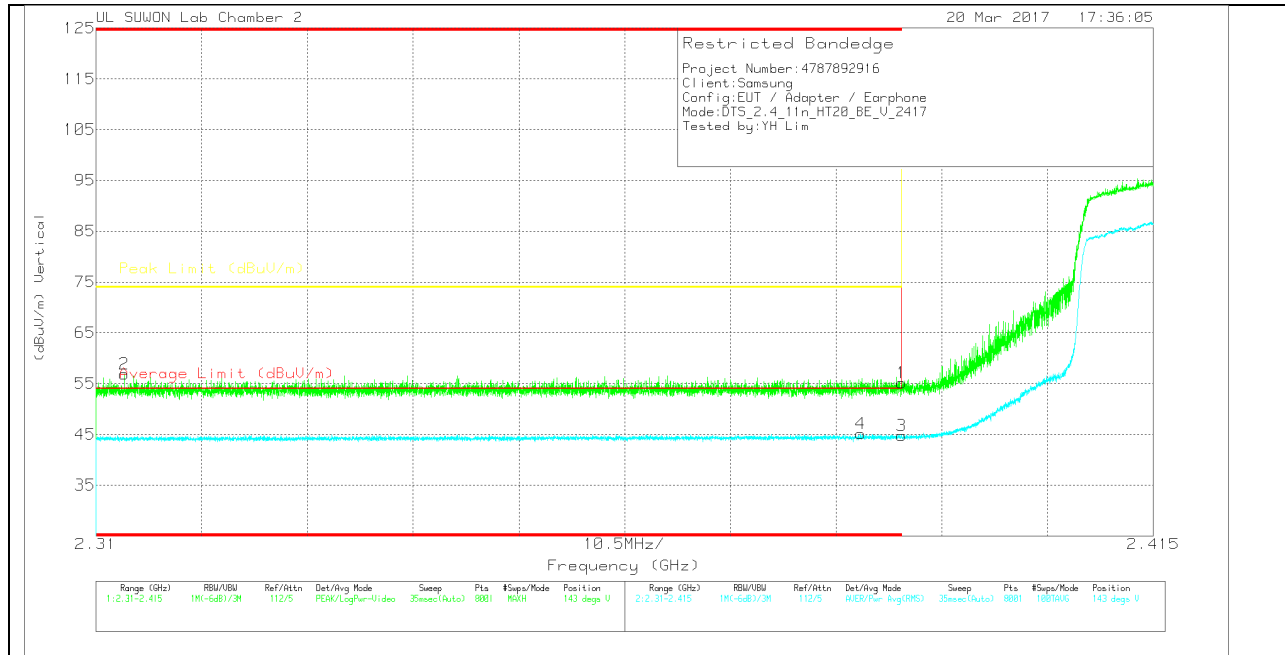
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 24_150619	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.27	PK	31.7	-18.2	0	55.77	-	-	74	-18.23	27	119	H
2	* 2.357	43.49	PK	31.7	-18.3	0	56.89	-	-	74	-17.11	27	119	H
3	* 2.39	31.47	RMS	31.7	-18.2	.35	45.32	54	-8.68	-	-	27	119	H
4	* 2.389	31.87	RMS	31.7	-18.2	.35	45.72	54	-8.28	-	-	27	119	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	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	41.69	PK	31.7	-18.2	0	55.19	-	-	74	-18.81	143	196	V
2	* 2.313	43.66	PK	31.6	-18.4	0	56.86	-	-	74	-17.14	143	196	V
3	* 2.39	30.9	RMS	31.7	-18.2	.35	44.75	54	-9.25	-	-	143	196	V
4	* 2.386	31.31	RMS	31.7	-18.2	.35	45.16	54	-8.84	-	-	143	196	V

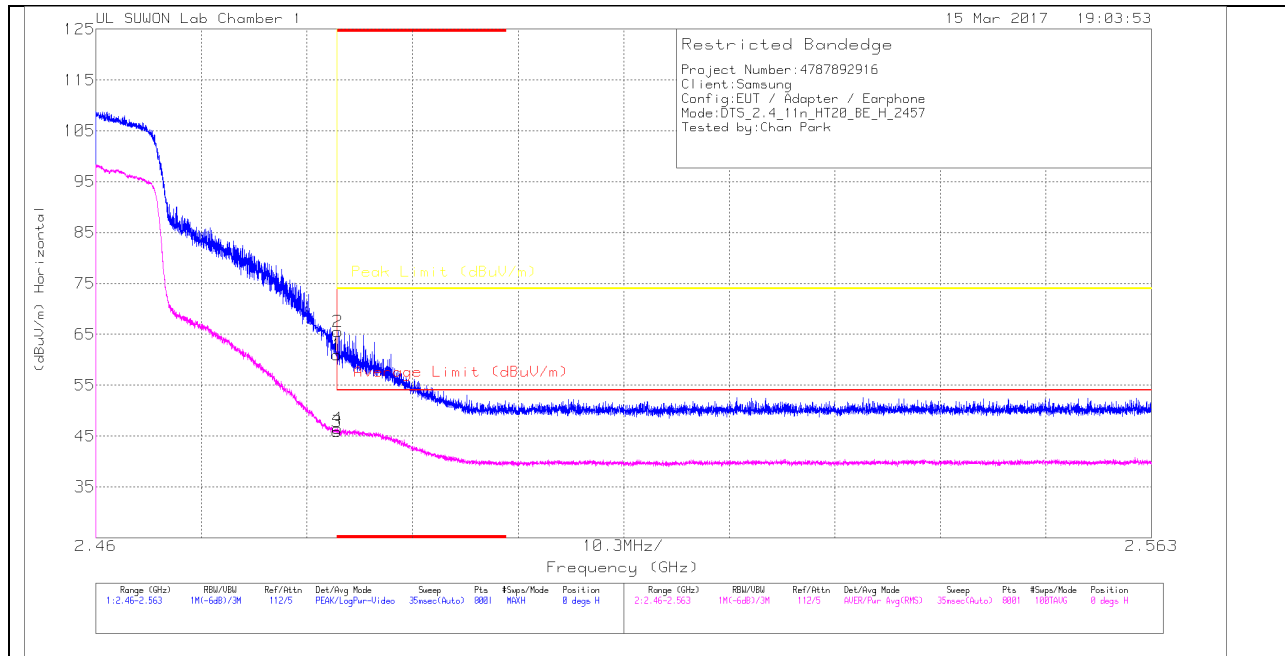
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

BANEDGE (10 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

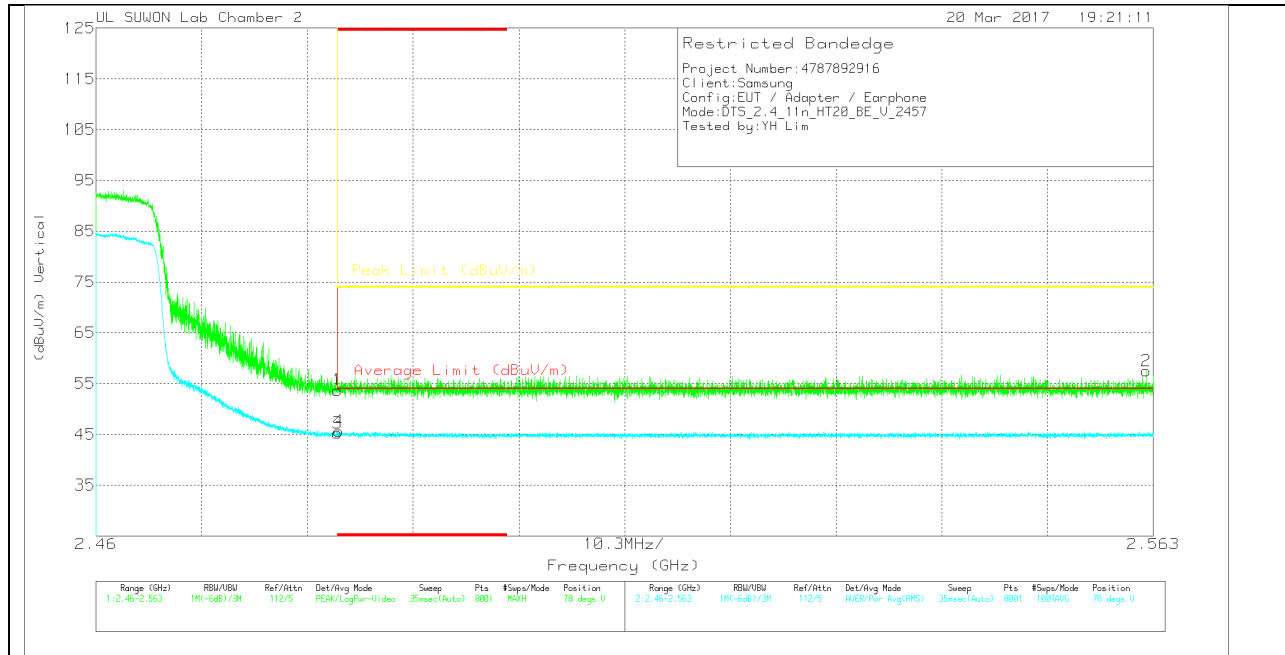
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.71	Pk	32	-28.7	0	61.01	-	-	74	-12.99	0	147	H
2	* 2.484	62.19	Pk	32	-28.7	0	65.49	-	-	74	-8.51	0	147	H
3	* 2.484	42.23	RMS	32	-28.7	.35	45.88	54	-8.12	-	-	0	147	H
4	* 2.484	42.8	RMS	32	-28.7	.35	46.45	54	-7.55	-	-	0	147	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	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	31.8	-18	0	53.73	-	-	74	-20.27	78	356	V
2	2.562	43.59	PK	31.9	-18	0	57.49	-	-	74	-16.51	78	356	V
3	* 2.484	31.07	RMS	31.8	-18	.35	45.22	54	-8.78	-	-	78	356	V
4	* 2.484	31.42	RMS	31.8	-18	.35	45.57	54	-8.43	-	-	78	356	V

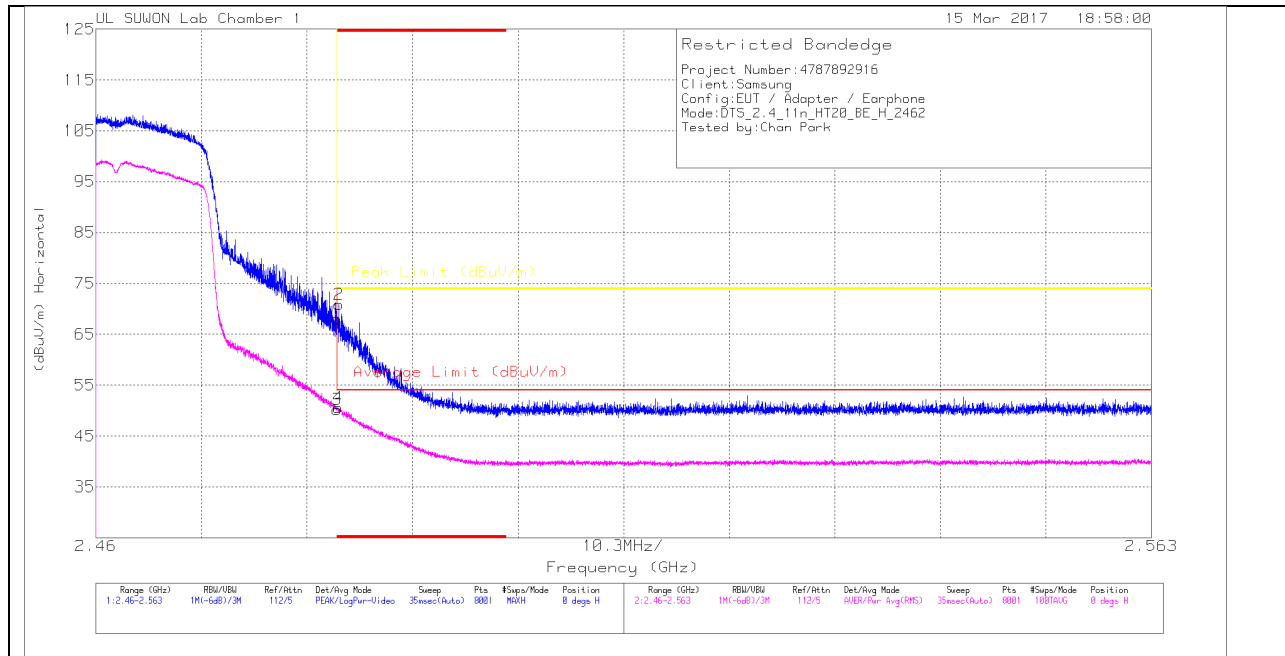
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

BANEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

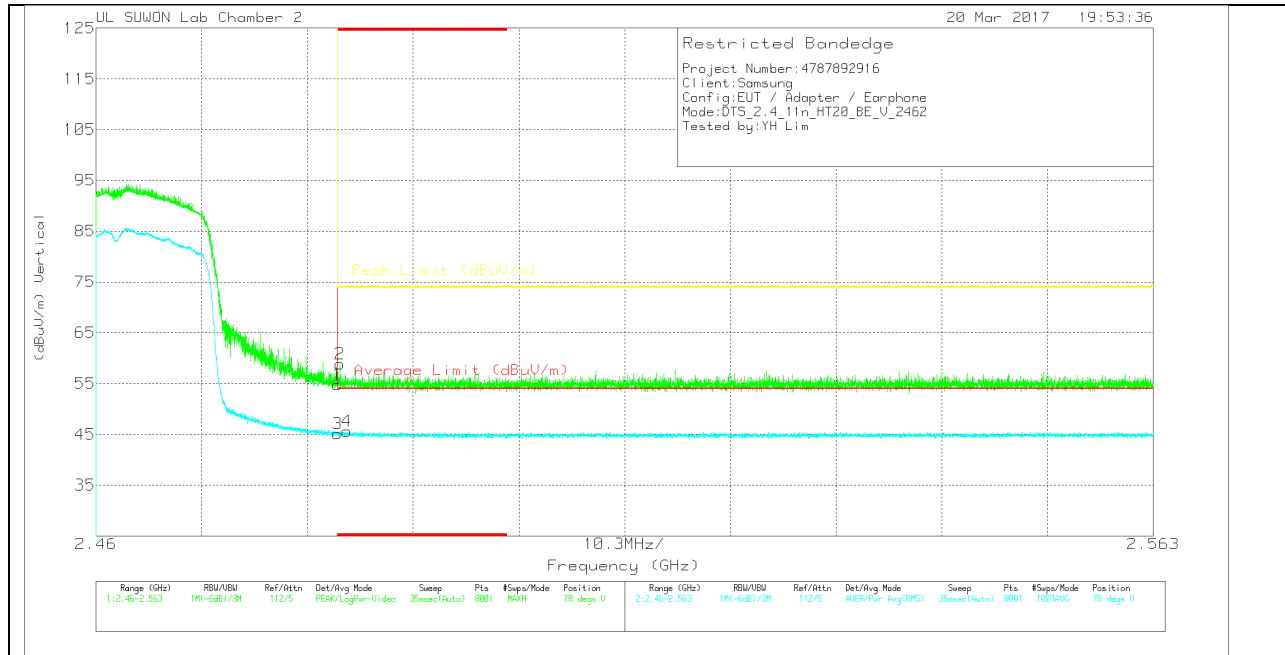
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168717)_150619	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	64.75	Pk	32	-28.7	0	68.05	-	-	74	-5.95	0	147	H
2	* 2.484	67.55	Pk	32	-28.7	0	70.85	-	-	74	-3.15	0	147	H
3	* 2.484	46.5	RMS	32	-28.7	.35	50.15	54	-3.85	-	-	0	147	H
4	* 2.484	46.96	RMS	32	-28.7	.35	50.61	54	-3.39	-	-	0	147	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	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	41.04	PK	31.8	-18	0	54.84	-	-	74	-19.16	78	357	V
2	* 2.484	45.09	PK	31.8	-18	0	58.89	-	-	74	-15.11	78	357	V
3	* 2.484	31.01	RMS	31.8	-18	.35	45.16	54	-8.84	-	-	78	357	V
4	* 2.484	31.46	RMS	31.8	-18	.35	45.61	54	-8.39	-	-	78	357	V

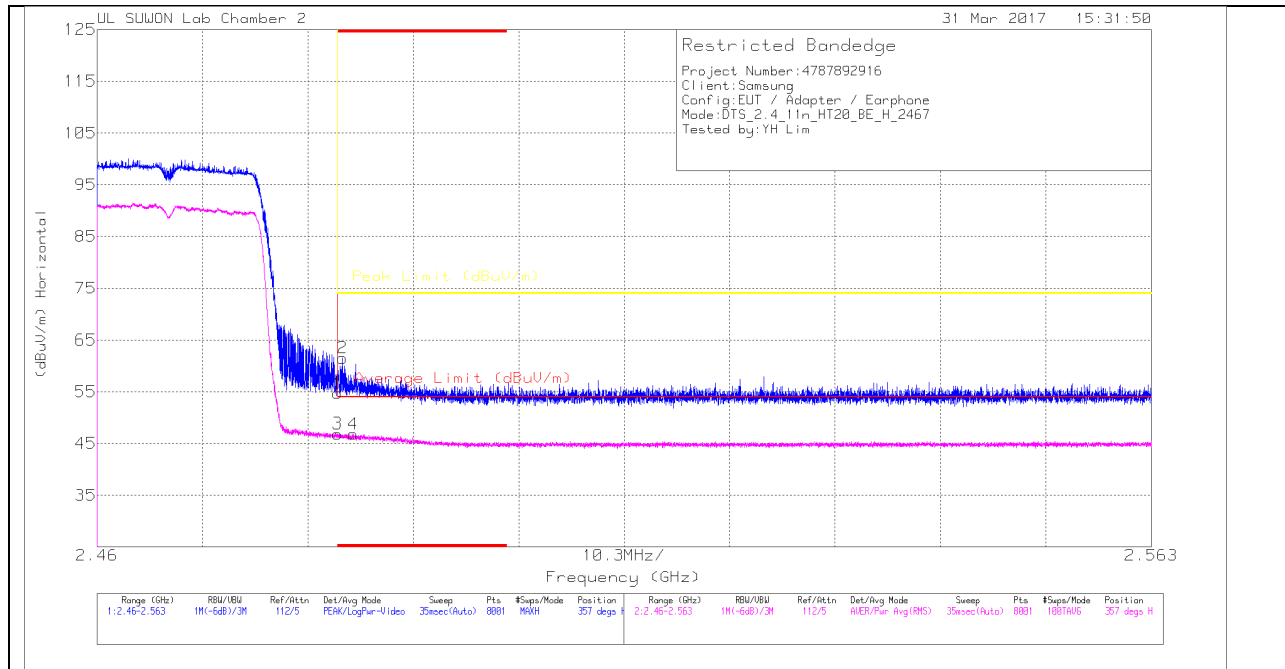
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

BANEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

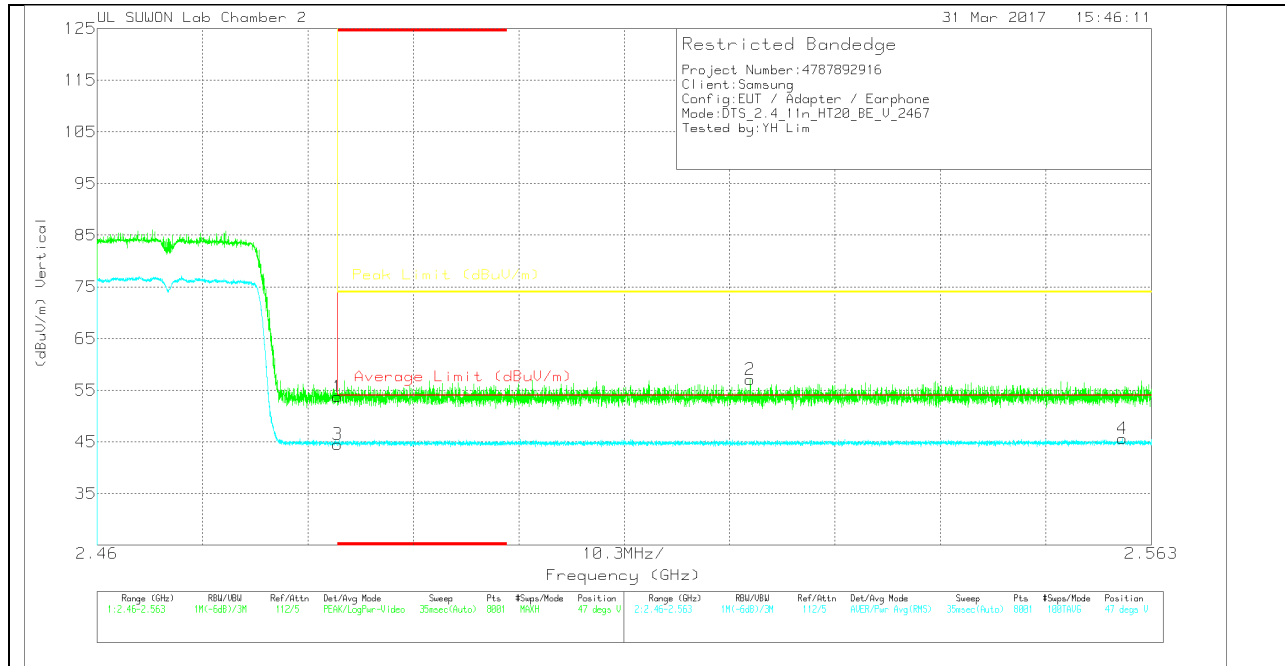
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.96	Pk	31.8	-18	0	54.76	-	-	74	-19.24	357	240	H
2	* 2.484	47.72	Pk	31.8	-18	0	61.52	-	-	74	-12.48	357	240	H
3	* 2.484	32.73	RMS	31.8	-18	.35	46.88	54	-7.12	-	-	357	240	H
4	* 2.485	32.68	RMS	31.8	-18	.35	46.83	54	-7.17	-	-	357	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	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	39.95	PK	31.8	-18	0	53.75	-	-	74	-20.25	47	123	V
2	2.524	43.17	PK	31.9	-18	0	57.07	-	-	74	-16.93	47	123	V
3	* 2.484	30.39	RMS	31.8	-18	.35	44.54	54	-9.46	-	-	47	123	V
4	2.56	31.4	RMS	31.9	-18	.35	45.65	54	-8.35	-	-	47	123	V

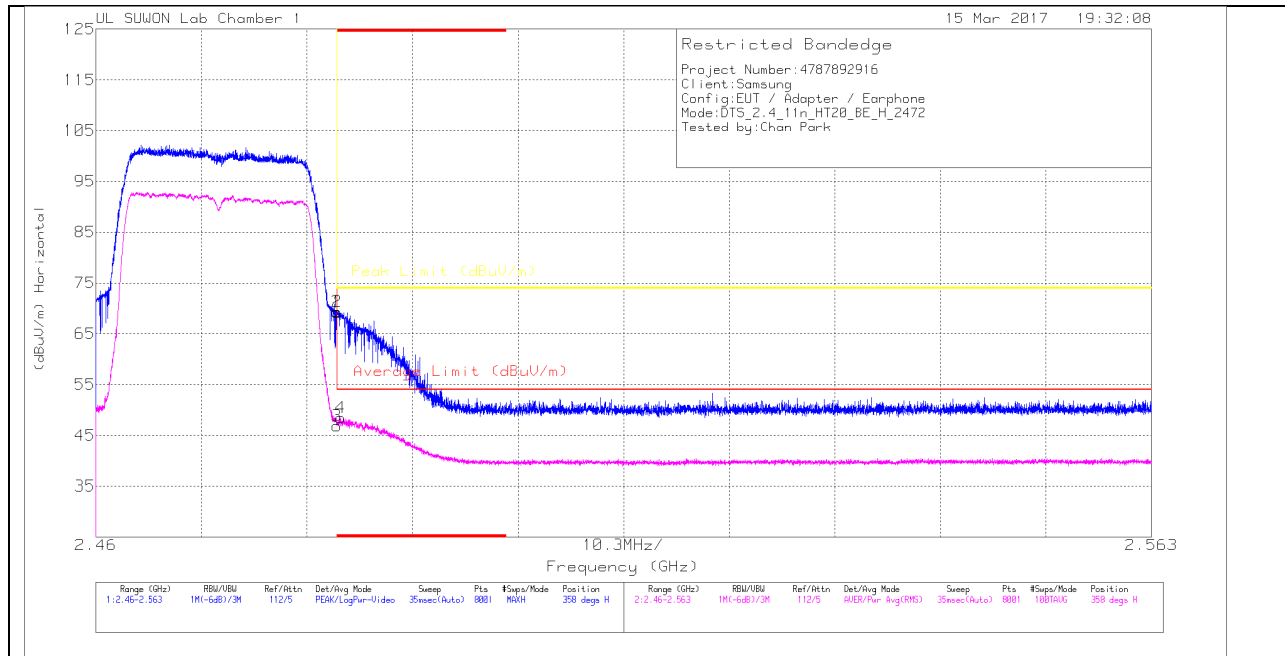
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

BANEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

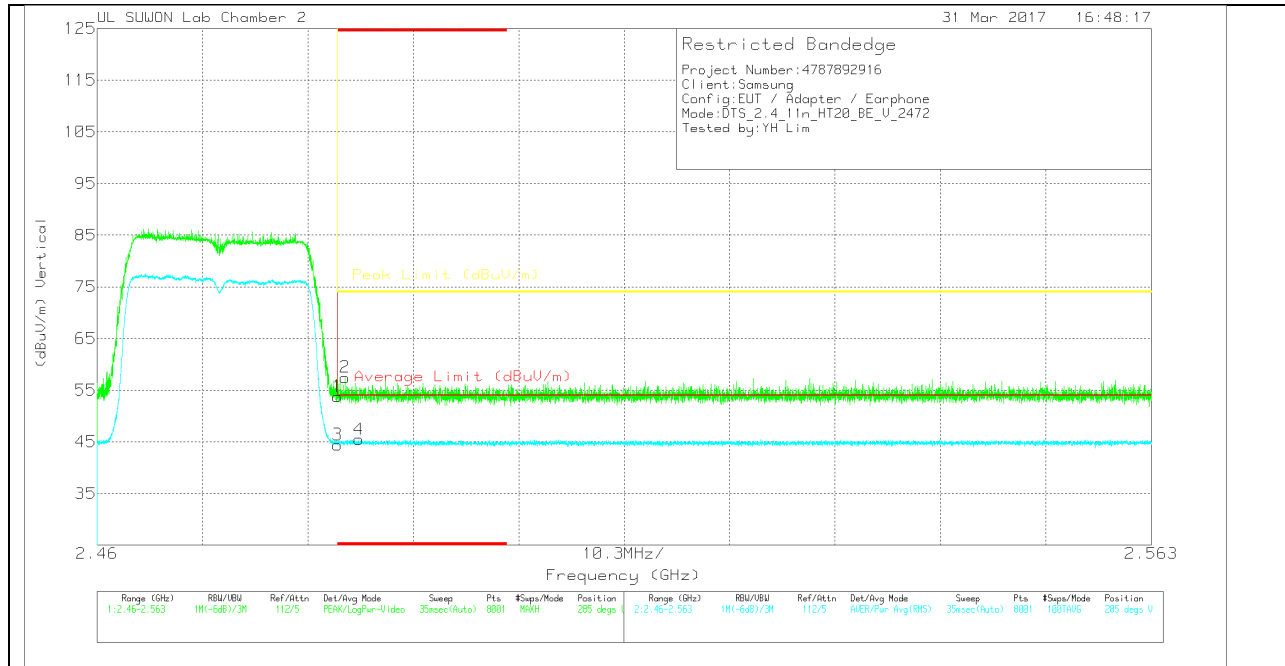
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 17)_150619	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	65.91	Pk	32	-28.7	0	69.21	-	-	74	-4.79	358	192	H
2	* 2.484	66.05	Pk	32	-28.7	0	69.35	-	-	74	-4.65	358	192	H
3	* 2.484	43.2	RMS	32	-28.7	.35	46.85	54	-7.15	-	-	358	192	H
4	* 2.484	44.79	RMS	32	-28.7	.35	48.44	54	-5.56	-	-	358	192	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	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	40.02	PK		-18	0	53.82	-	-	74	-20.18	285	383	V
2	* 2.484	43.68	PK		-18	0	57.48	-	-	74	-16.52	285	383	V
3	* 2.484	30.28	RMS		-18	.35	44.43	54	-9.57	-	-	285	383	V
4	* 2.486	31.35	RMS		-18	.35	45.5	54	-8.5	-	-	285	383	V

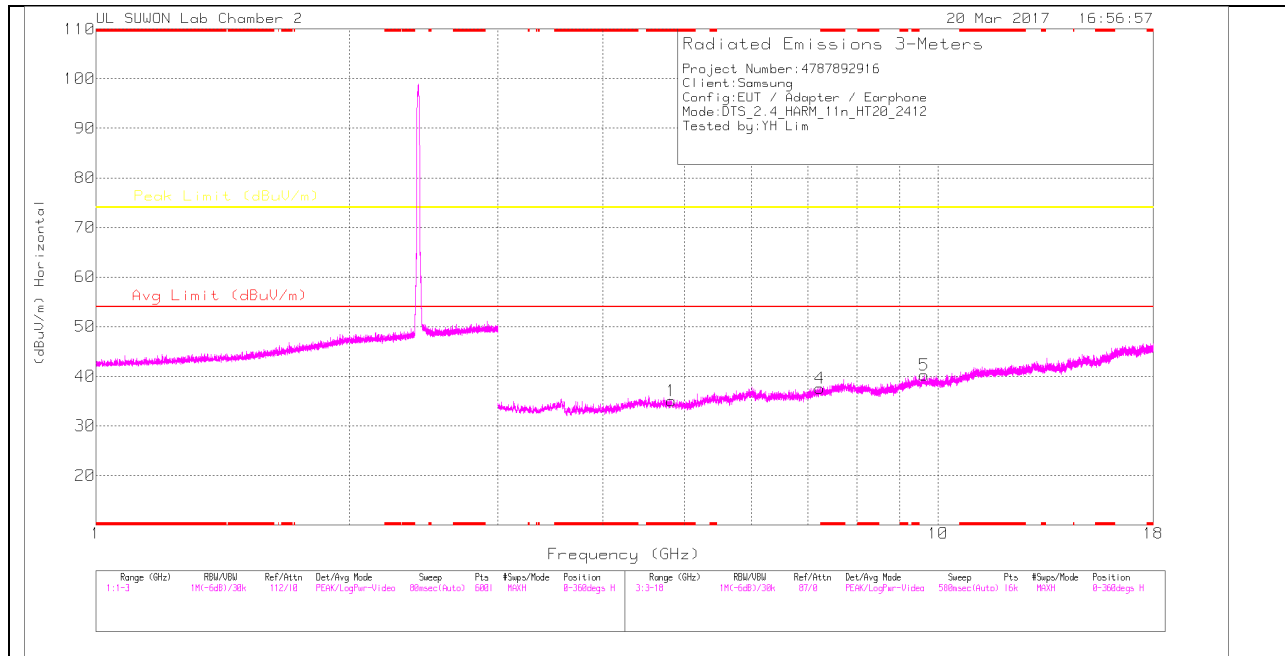
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

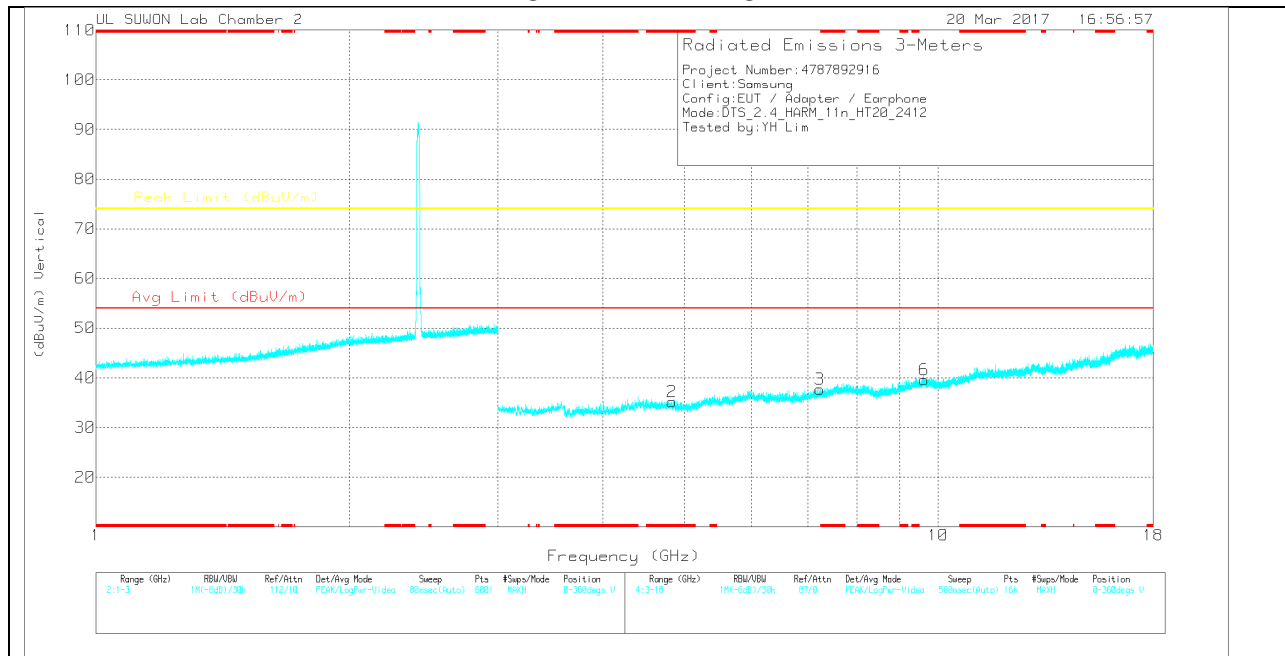
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

1 CHANNEL HORIZONTAL



1 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.

1 CHANNEL DATA

Trace Markers

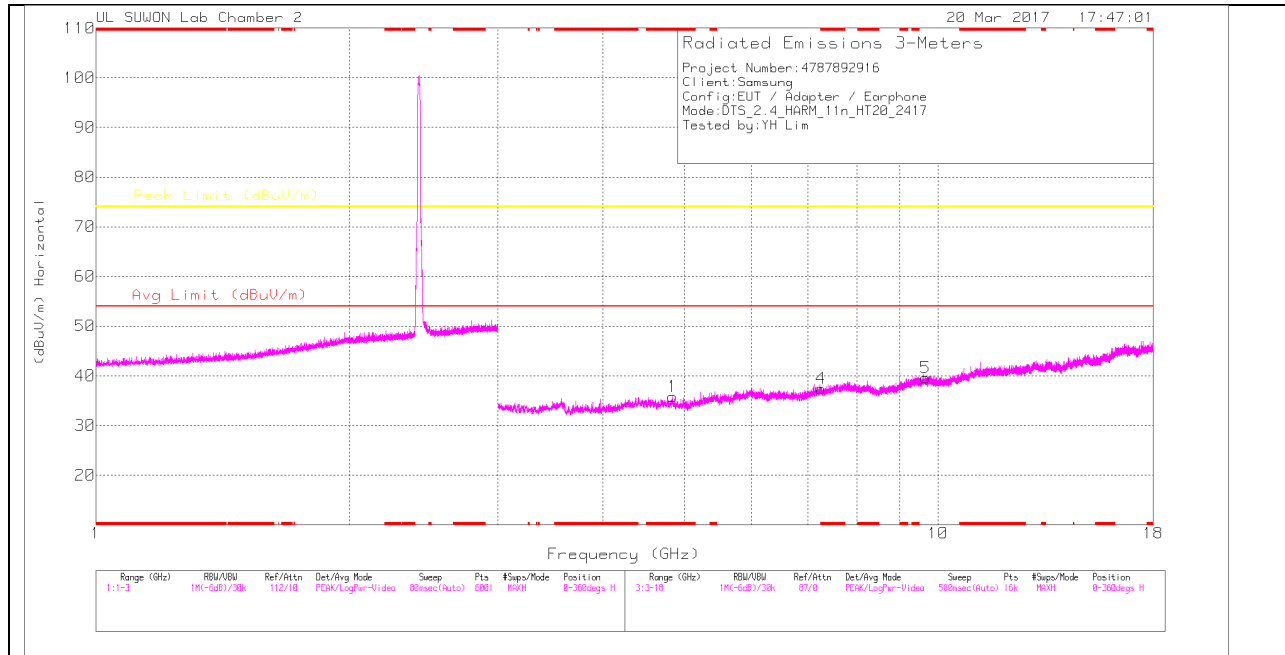
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	25.51	PK	33.9	-24.3	0	35.11	-	-	74	-38.89	0-360	250	H
4	7.234	23.7	PK	35.8	-21.9	0	37.6	-	-	74	-36.4	0-360	250	H
5	9.631	21.61	PK	36.9	-18.3	0	40.21	-	-	74	-33.79	0-360	250	H
2	* 4.832	25.61	PK	33.9	-24.3	0	35.21	-	-	74	-38.79	0-360	150	V
3	7.233	23.85	PK	35.8	-21.9	0	37.75	-	-	74	-36.25	0-360	150	V
6	9.631	20.95	PK	36.9	-18.3	0	39.55	-	-	74	-34.45	0-360	250	V

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

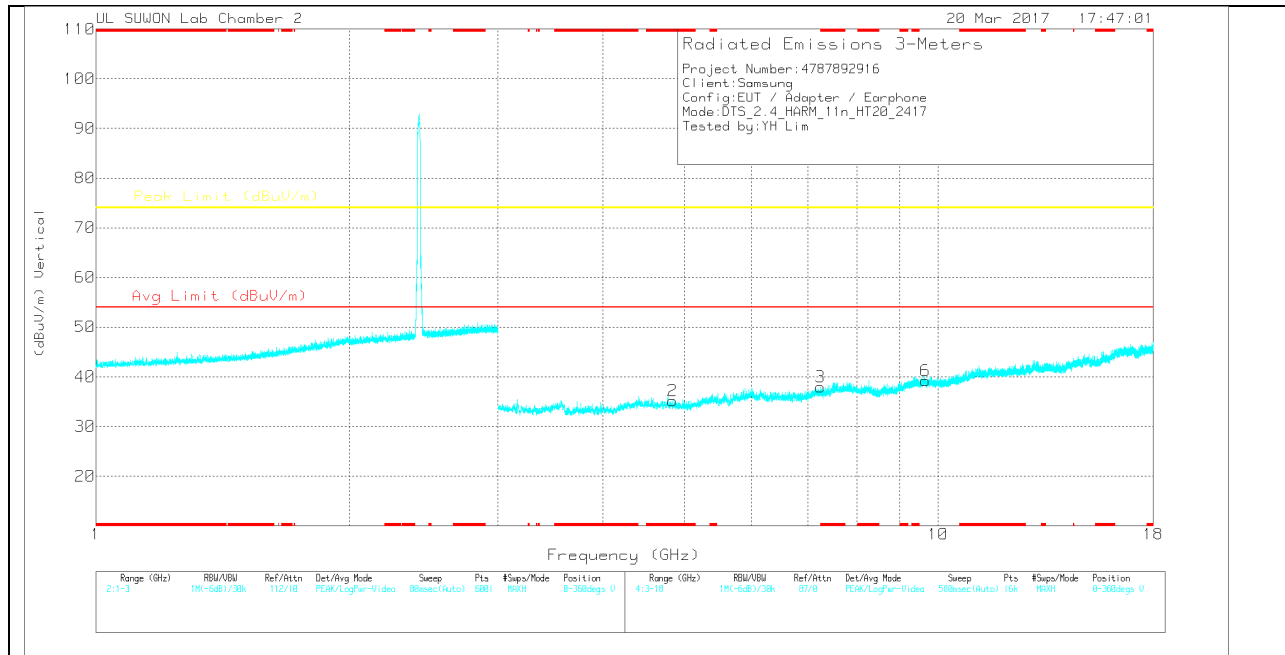
PK – Peak detector

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

2 CHANNEL HORIZONTAL



2 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.

2 CHANNEL DATA

Trace Markers

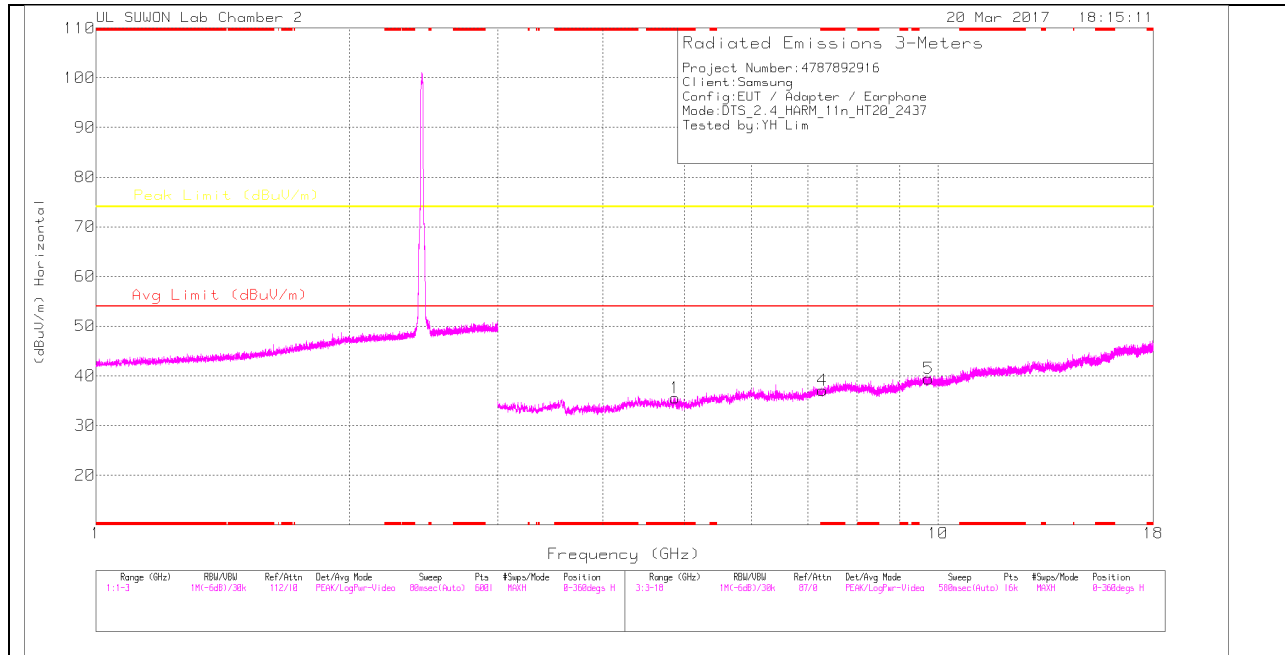
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.835	26.2	PK	33.9	-24.3	0	35.8	-	-	74	-38.2	0-360	150	H
4	* 7.256	23.64	PK	35.8	-22	0	37.44	-	-	74	-36.56	0-360	250	H
5	9.661	20.88	PK	36.9	-18.2	0	39.58	-	-	74	-34.42	0-360	150	H
2	* 4.835	25.53	PK	33.9	-24.3	0	35.13	-	-	74	-38.87	0-360	150	V
3	* 7.251	24.25	PK	35.8	-22.1	0	37.95	-	-	74	-36.05	0-360	150	V
6	9.658	20.53	PK	36.9	-18.2	0	39.23	-	-	74	-34.77	0-360	250	V

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

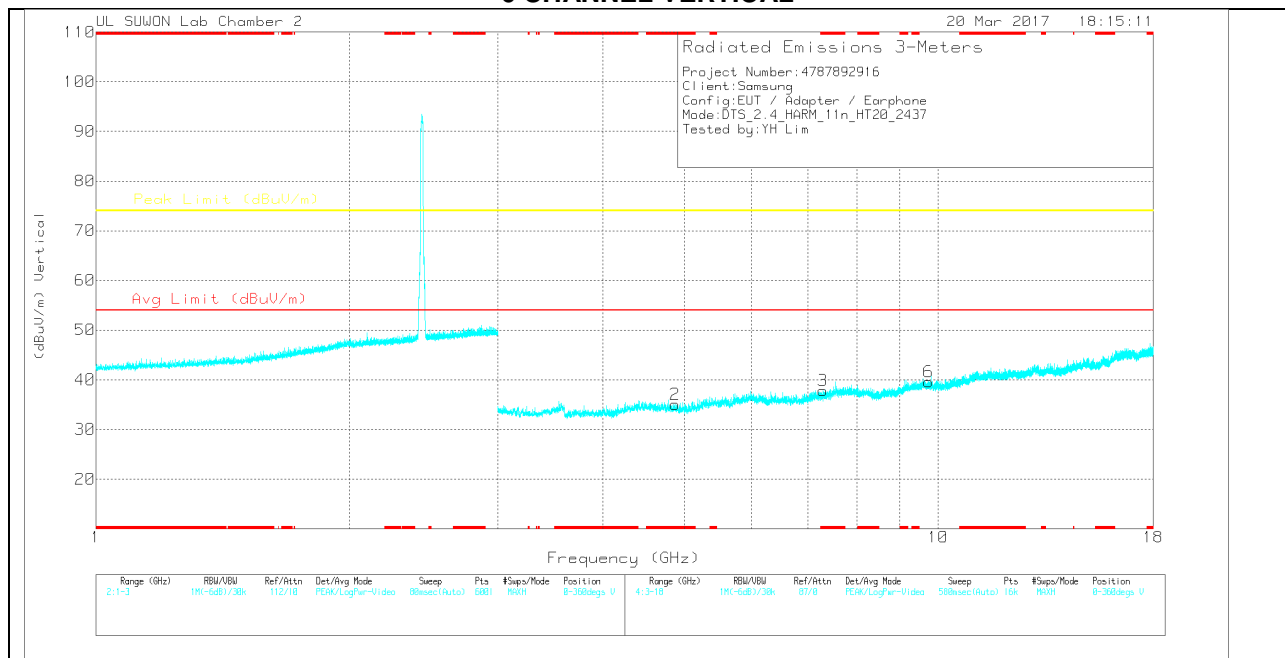
PK – Peak detector

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

6 CHANNEL HORIZONTAL



6 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.

6 CHANNEL DATA

Trace Markers

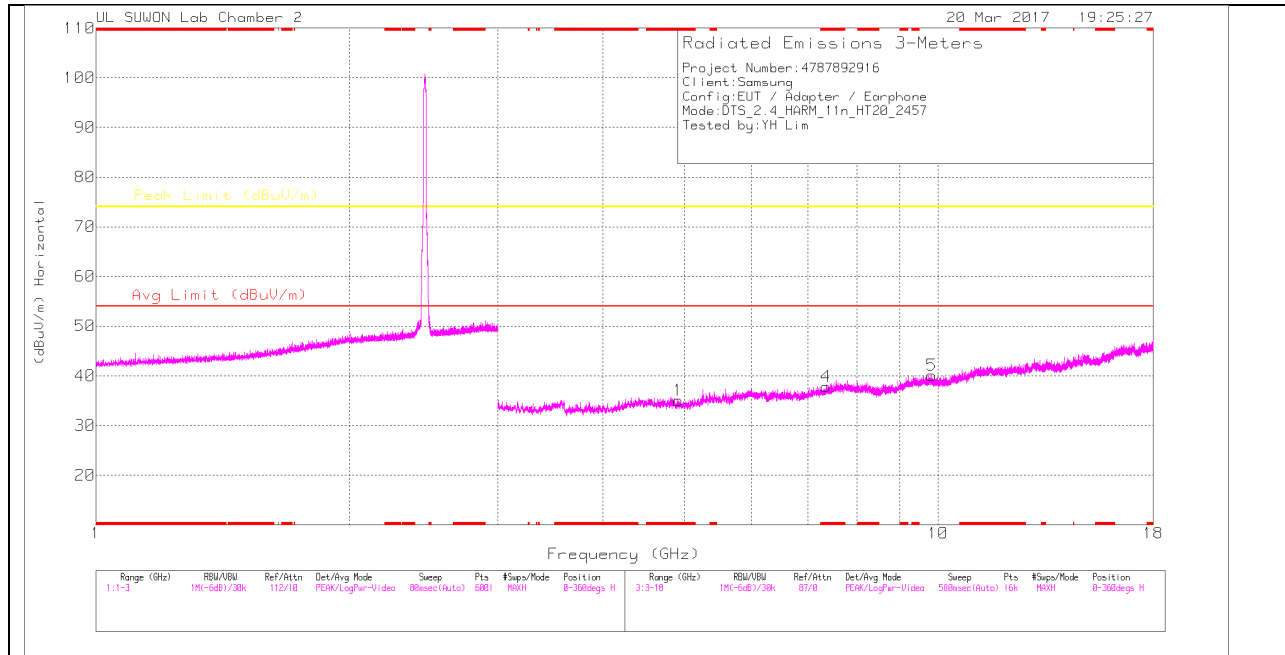
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875	26.11	PK	33.9	-24.5	0	35.51	-	-	74	-38.49	0-360	250	H
4	* 7.29	23.3	PK	35.8	-22	0	37.1	-	-	74	-36.9	0-360	150	H
5	9.742	20.52	PK	37	-18.1	0	39.42	-	-	74	-34.58	0-360	150	H
2	* 4.872	25.68	PK	33.9	-24.5	0	35.08	-	-	74	-38.92	0-360	250	V
3	* 7.296	24.09	PK	35.8	-22	0	37.89	-	-	74	-36.11	0-360	150	V
6	9.743	20.69	PK	37	-18.1	0	39.59	-	-	74	-34.41	0-360	250	V

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

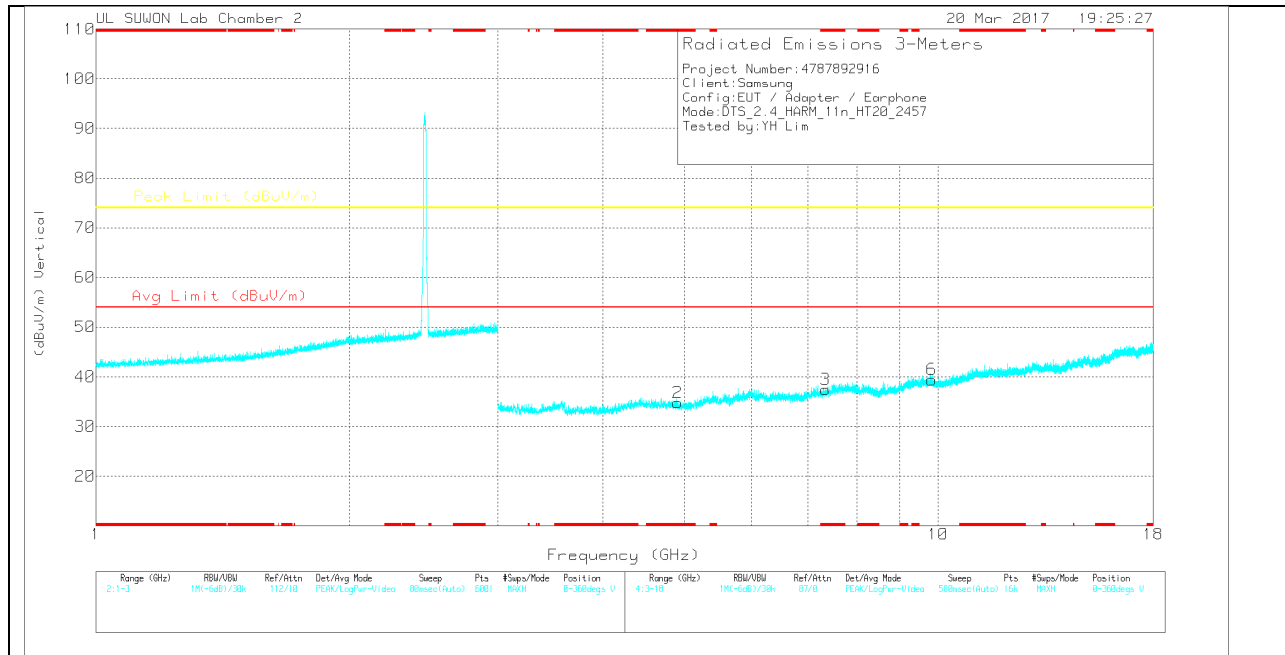
PK – Peak detector

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

10 CHANNEL HORIZONTAL



10 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.

10 CHANNEL DATA

Trace Markers

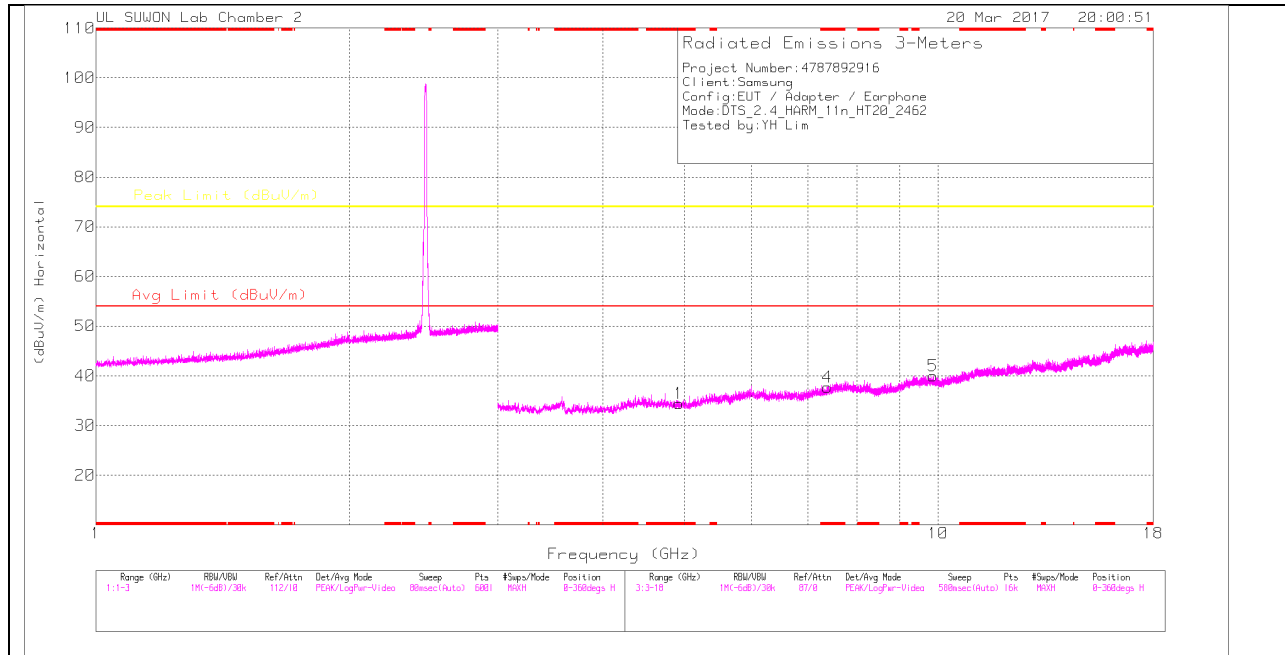
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.91	25.7	PK	33.9	-24.6	0	35	-	-	74	-39	0-360	250	H
4	* 7.362	23.62	PK	35.9	-21.7	0	37.82	-	-	74	-36.18	0-360	250	H
5	9.818	20.92	PK	37.1	-17.9	0	40.12	-	-	74	-33.88	0-360	150	H
2	* 4.906	25.52	PK	33.9	-24.6	0	34.82	-	-	74	-39.18	0-360	150	V
3	* 7.353	23.23	PK	35.9	-21.7	0	37.43	-	-	74	-36.57	0-360	250	V
6	9.821	20.22	PK	37.1	-17.9	0	39.42	-	-	74	-34.58	0-360	250	V

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

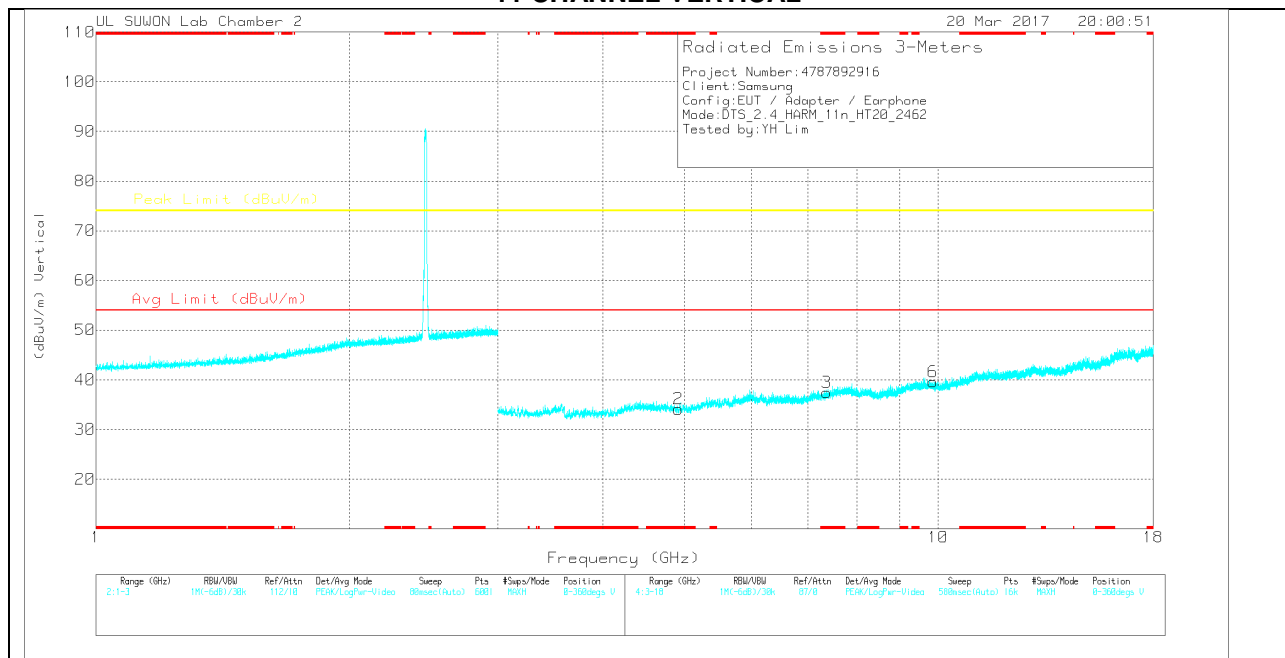
PK – Peak detector

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

11 CHANNEL HORIZONTAL



11 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

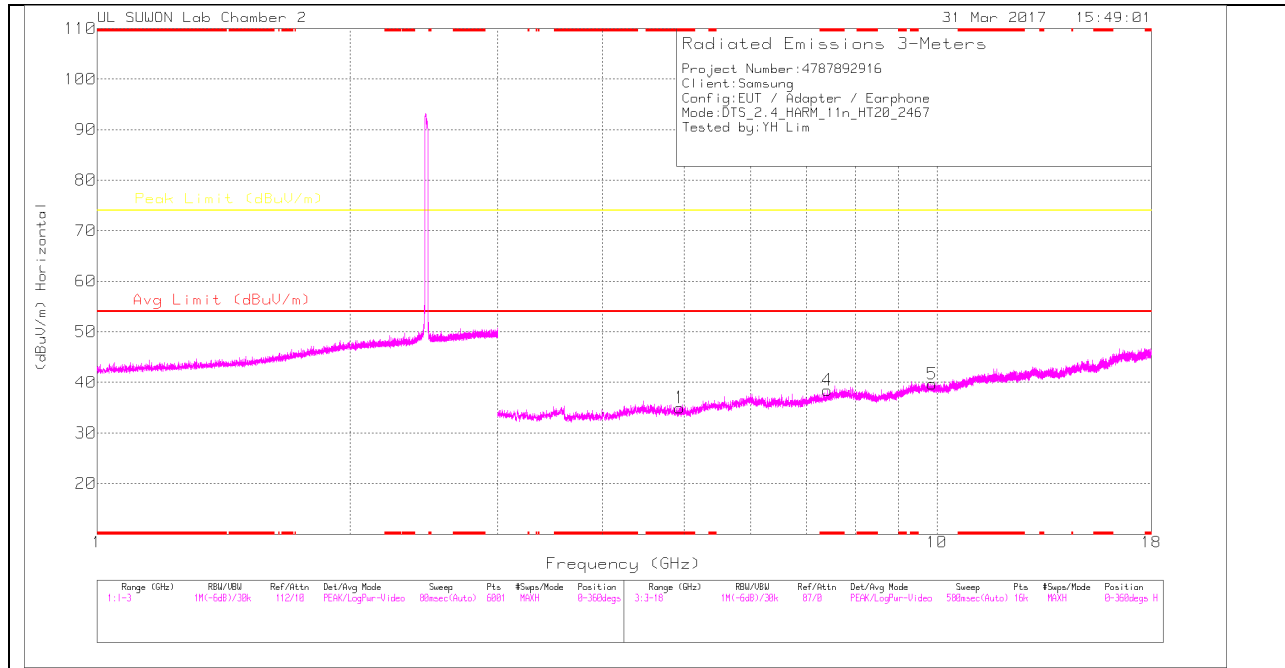
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.924	25.2	PK	33.9	-24.7	0	34.4	-	-	74	-39.6	0-360	250	H
4	* 7.383	23.2	PK	35.9	-21.4	0	37.7	-	-	74	-36.3	0-360	150	H
5	9.855	20.84	PK	37.1	-17.9	0	40.04	-	-	74	-33.96	0-360	250	H
2	* 4.915	24.81	PK	33.9	-24.6	0	34.11	-	-	74	-39.89	0-360	150	V
3	* 7.378	23.01	PK	35.9	-21.5	0	37.41	-	-	74	-36.59	0-360	250	V
6	9.853	20.42	PK	37.1	-17.9	0	39.62	-	-	74	-34.38	0-360	150	V

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

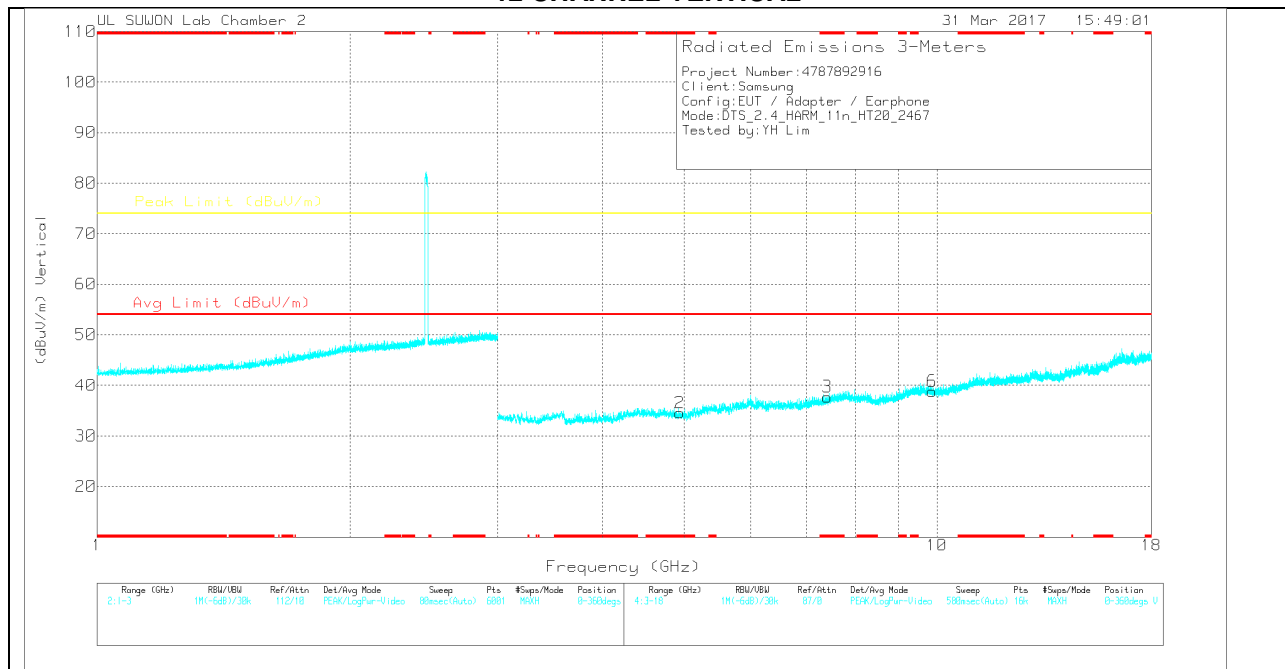
PK – Peak detector

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

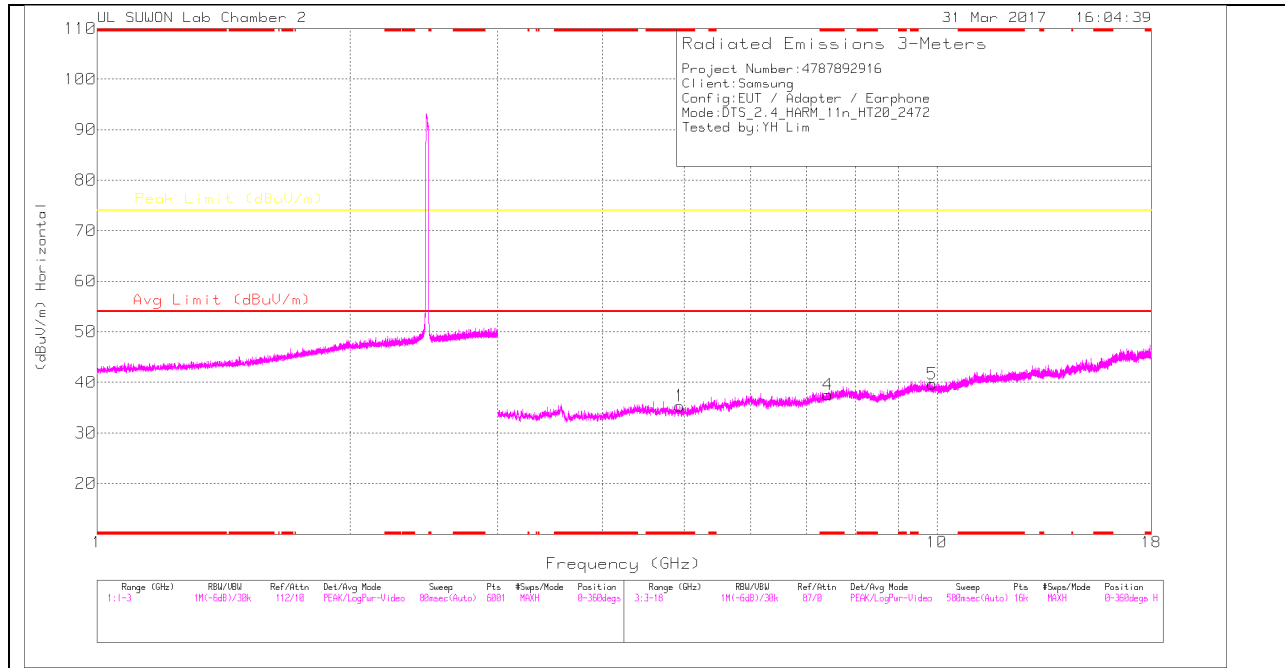
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.941	25.87	PK	33.9	-24.8	0	34.97	-	-	74	-39.03	0-360	250	H
4	* 7.406	23.76	PK	36	-21.3	0	38.46	-	-	74	-35.54	0-360	150	H
5	9.868	20.55	PK	37.1	-18	0	39.65	-	-	74	-34.35	0-360	150	H
2	* 4.938	25.45	PK	33.9	-24.8	0	34.55	-	-	74	-39.45	0-360	150	V
3	* 7.401	23	PK	36	-21.3	0	37.7	-	-	74	-36.3	0-360	250	V
6	9.872	19.72	PK	37.1	-18	0	38.82	-	-	74	-35.18	0-360	250	V

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

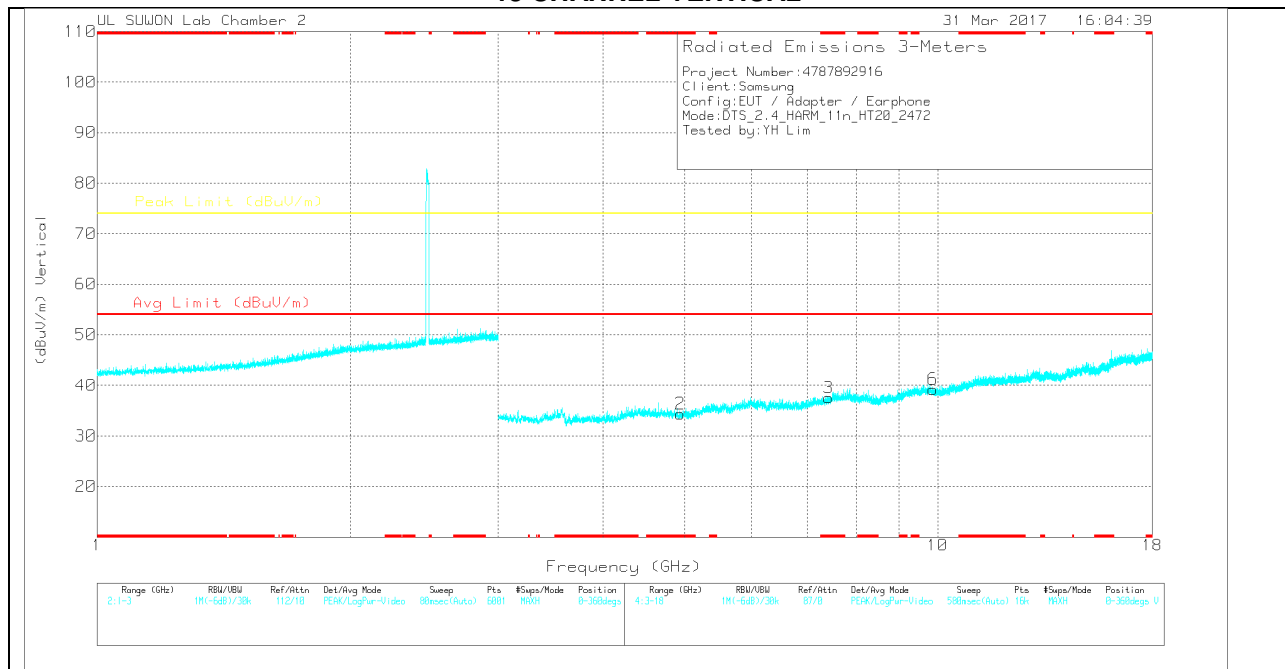
PK – Peak detector

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 24)_150619	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	* 4.941	26.23	PK	33.9	-24.8	0	35.33	-	-	74	-38.67	0-360	250	H
4	* 7.42	22.75	PK	36	-21.2	0	37.55	-	-	74	-36.45	0-360	150	H
5	9.867	20.58	PK	37.1	-18	0	39.68	-	-	74	-34.32	0-360	150	H
2	* 4.94	25.26	PK	33.9	-24.8	0	34.36	-	-	74	-39.64	0-360	150	V
3	* 7.421	22.75	PK	36	-21.2	0	37.55	-	-	74	-36.45	0-360	150	V
6	9.868	20.11	PK	37.1	-18	0	39.21	-	-	74	-34.79	0-360	250	V

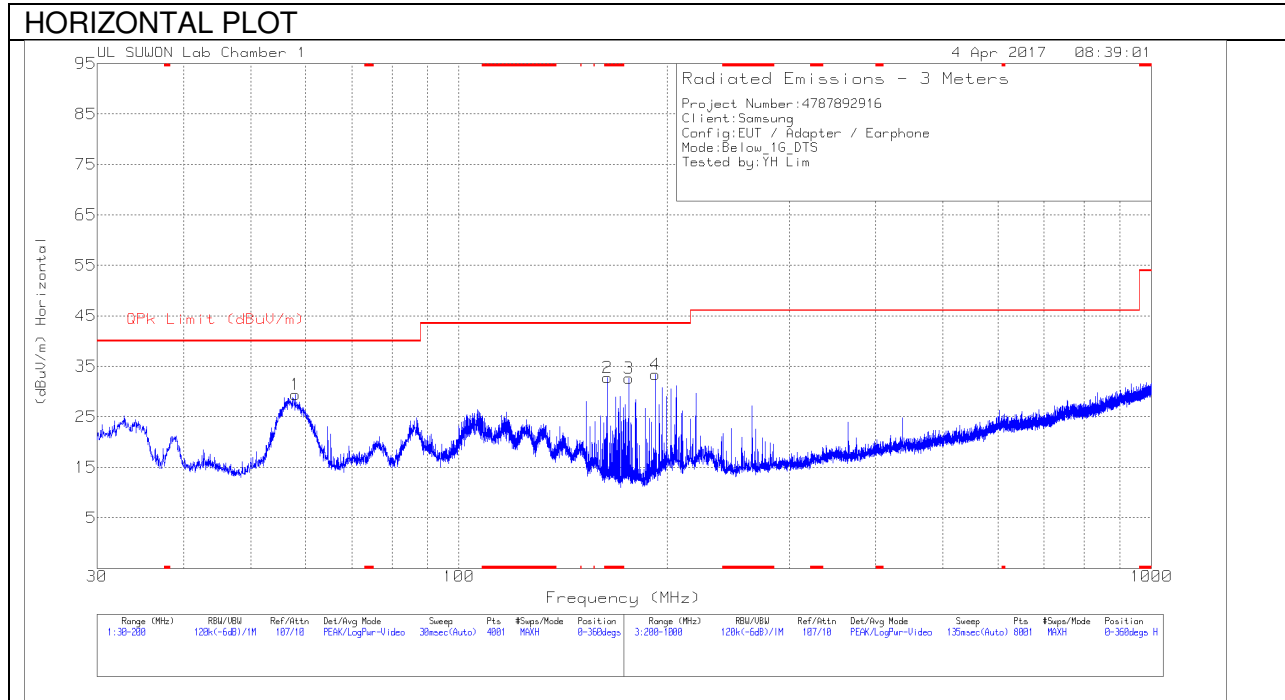
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK – Peak detector

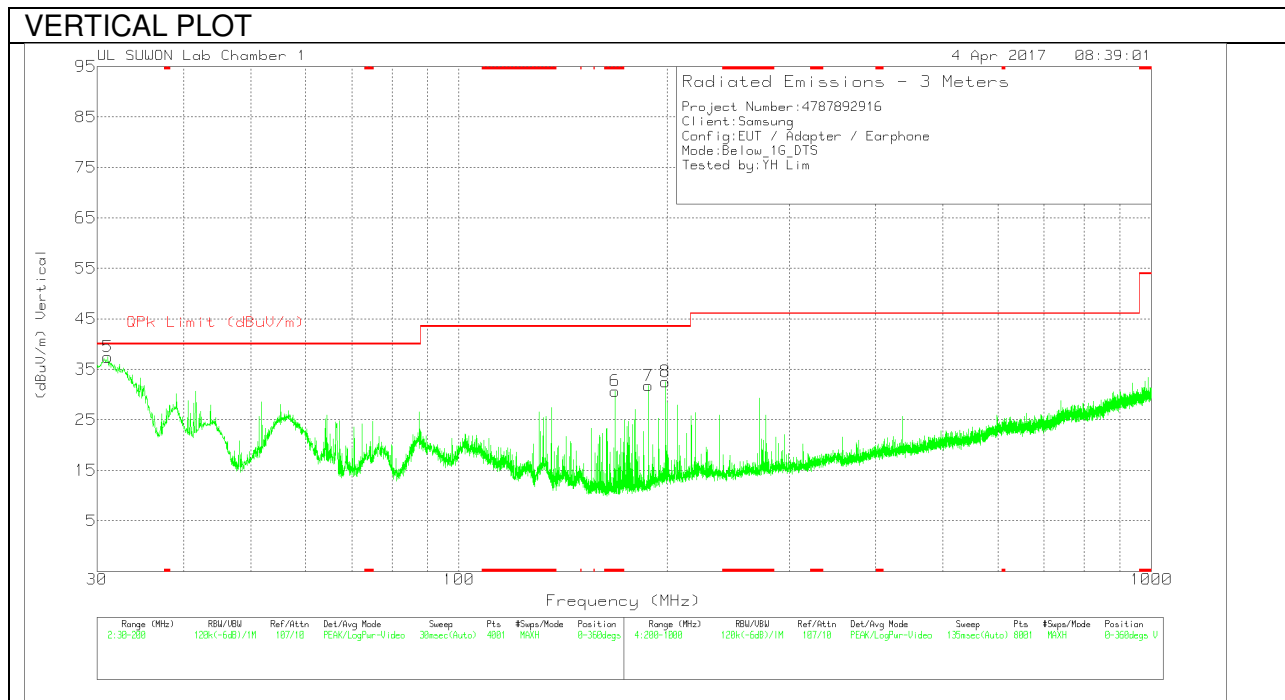
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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_7 50(dB)	30-1000MHz(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	58.0075	44.19	Pk	13	-27.8	29.39	40	-10.61	0-360	400	H
2	* 163.79	50.95	Pk	8.6	-26.8	32.75	43.52	-10.77	0-360	100	H
3	175.945	49.92	Pk	9.2	-26.5	32.62	43.52	-10.9	0-360	100	H
4	192.18	49.47	Pk	10.6	-26.7	33.37	43.52	-10.15	0-360	200	H
5	31.105	55.24	Pk	10.4	-28.2	37.44	40	-2.56	0-360	100	V
6	* 168.1675	48.81	Pk	8.8	-26.9	30.71	43.52	-12.81	0-360	100	V
7	187.8025	48.33	Pk	10.1	-26.7	31.73	43.52	-11.79	0-360	100	V
8	198.47	48.15	Pk	11.1	-26.7	32.55	43.52	-10.97	0-360	100	V

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

Pk - Peak detector

11. 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.

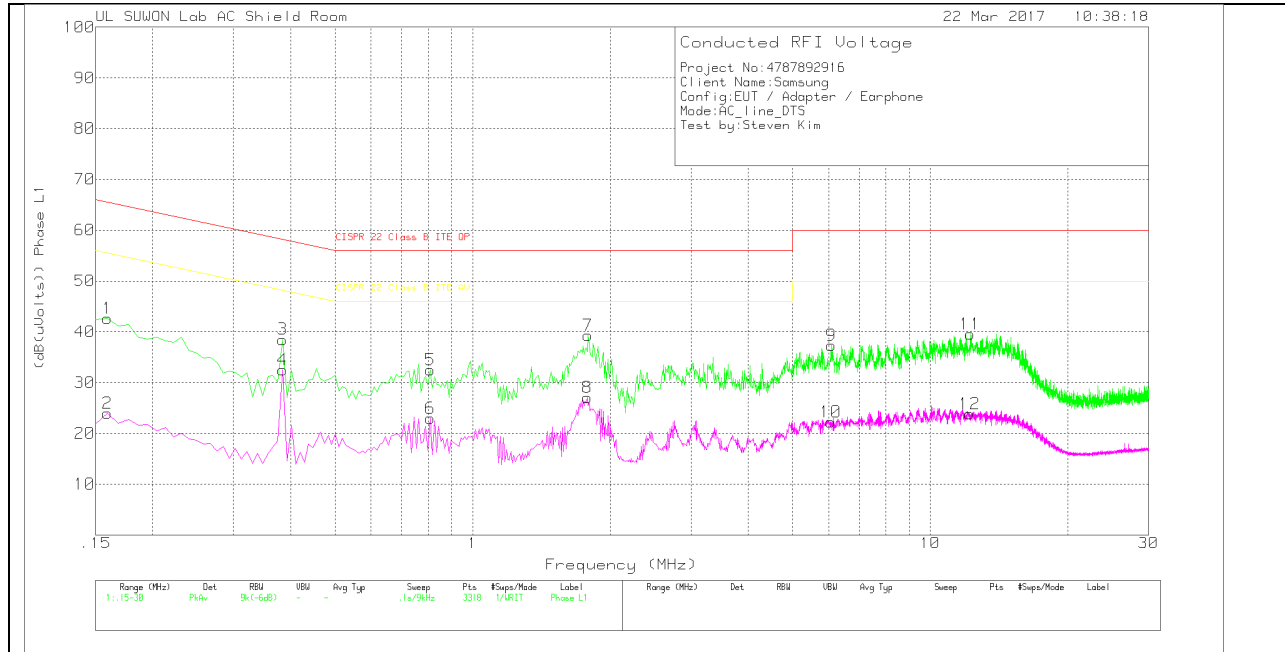
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Trace Markers

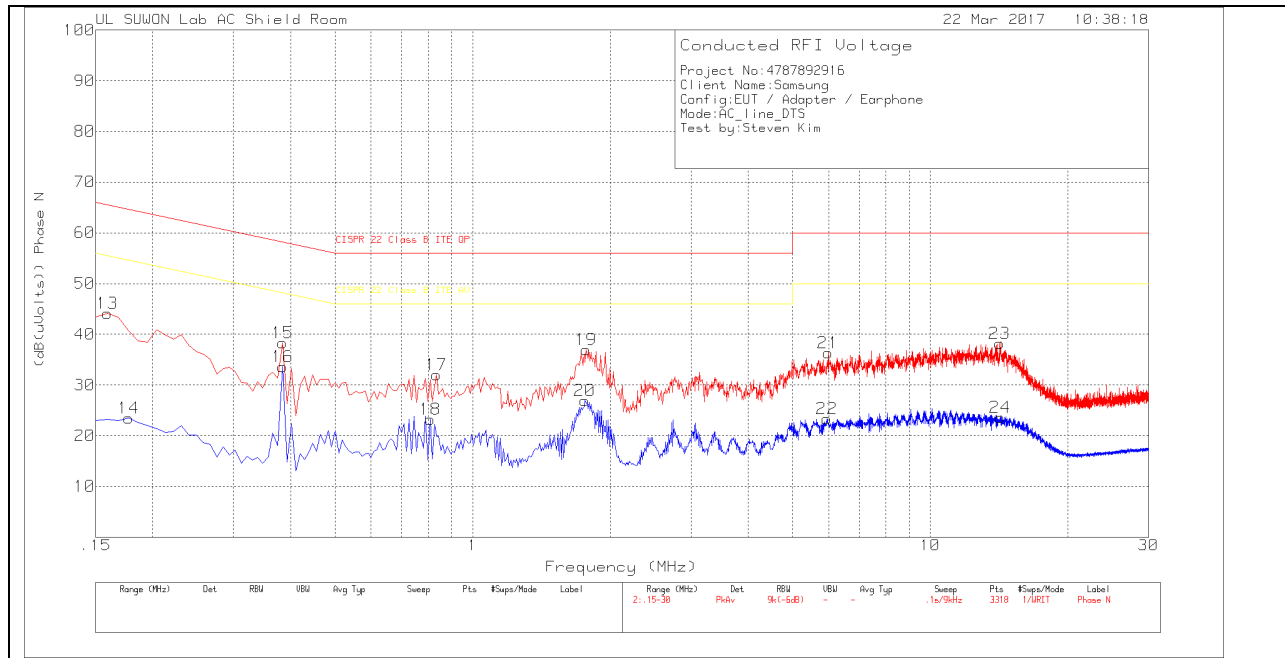
Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex-cord_L1	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
1	.159	32.64	Pk	9.9	.1	42.64	65.52	-22.88	-	-
2	.159	14.02	Av	9.9	.1	24.02	-	-	55.52	-31.5
3	.384	28.4	Pk	9.9	.2	38.5	58.19	-19.69	-	-
4	.384	22.45	Av	9.9	.2	32.55	-	-	48.19	-15.64
5	.807	22.43	Pk	9.9	.2	32.53	56	-23.47	-	-
6	.807	12.84	Av	9.9	.2	22.94	-	-	46	-23.06
7	1.788	29.29	Pk	9.7	.3	39.29	56	-16.71	-	-
8	1.779	17.05	Av	9.7	.3	27.05	-	-	46	-18.95
9	6.072	27.26	Pk	9.8	.3	37.36	60	-22.64	-	-
10	6.063	12.19	Av	9.8	.3	22.29	-	-	50	-27.71
11	12.237	29.12	Pk	10.1	.3	39.52	60	-20.48	-	-
12	12.183	13.46	Av	10.1	.3	23.86	-	-	50	-26.14

Pk - Peak detector

Av - Average detection

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101837_w ith ex-cord_N	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CISPR 22 Class B ITE QP	Margin (dB)	CISPR 22 Class B ITE AV	Margin (dB)
13	.159	34.08	Pk	9.9	.1	44.08	65.52	-21.44	-	-
14	.177	13.28	Av	10	.2	23.48	-	-	54.63	-31.15
15	.384	28.18	Pk	9.9	.2	38.28	58.19	-19.91	-	-
16	.384	23.53	Av	9.9	.2	33.63	-	-	48.19	-14.56
17	.834	21.92	Pk	9.8	.3	32.02	56	-23.98	-	-
18	.807	13.18	Av	9.9	.2	23.28	-	-	46	-22.72
19	1.77	26.91	Pk	9.7	.3	36.91	56	-19.09	-	-
20	1.761	16.91	Av	9.7	.3	26.91	-	-	46	-19.09
21	5.991	26.1	Pk	9.9	.3	36.3	60	-23.7	-	-
22	5.946	13.17	Av	9.9	.3	23.37	-	-	50	-26.63
23	14.172	27.51	Pk	10.3	.4	38.21	60	-21.79	-	-
24	14.208	12.85	Av	10.3	.4	23.55	-	-	50	-26.45

Pk - Peak detector

Av - Average detection