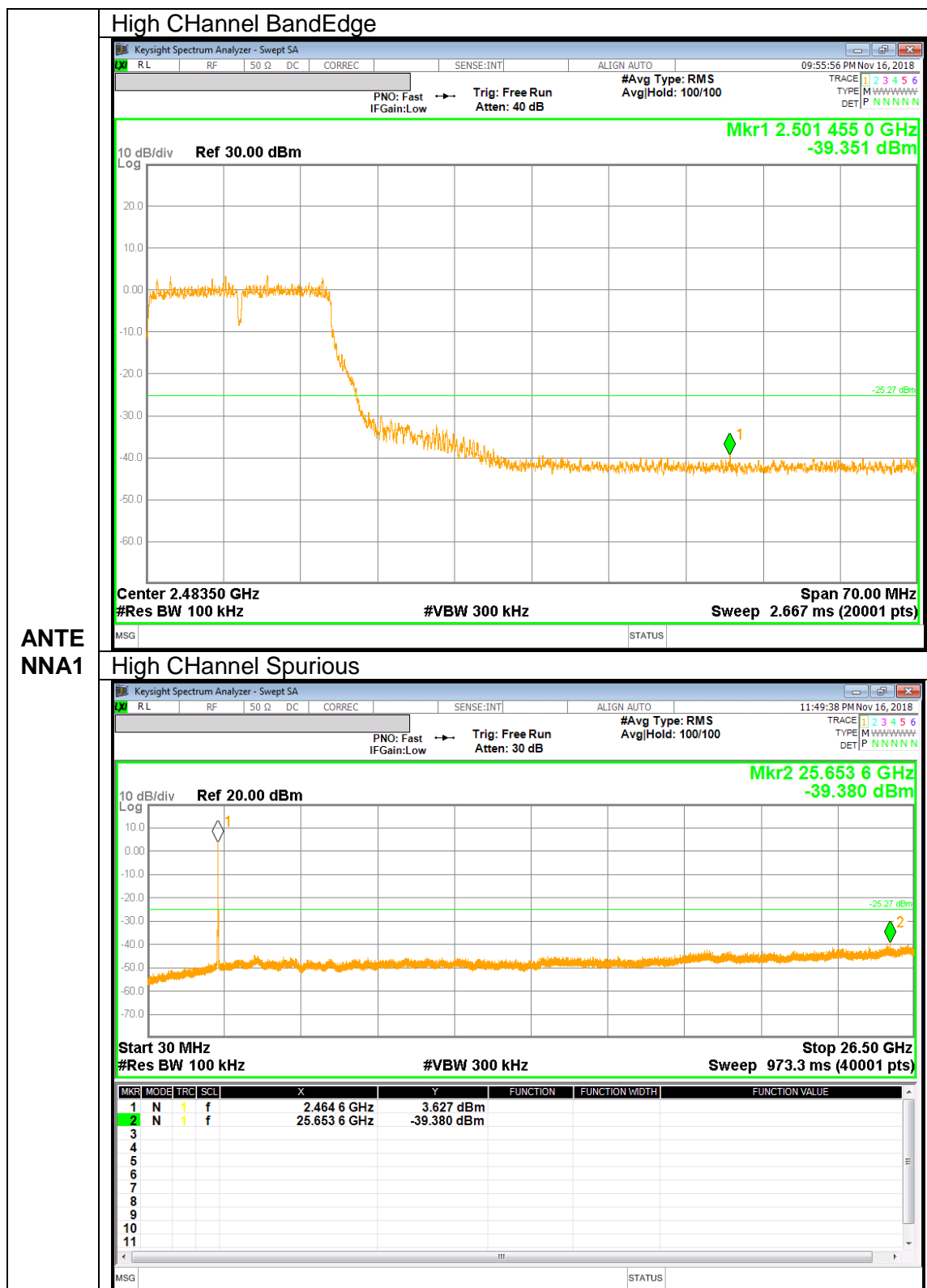
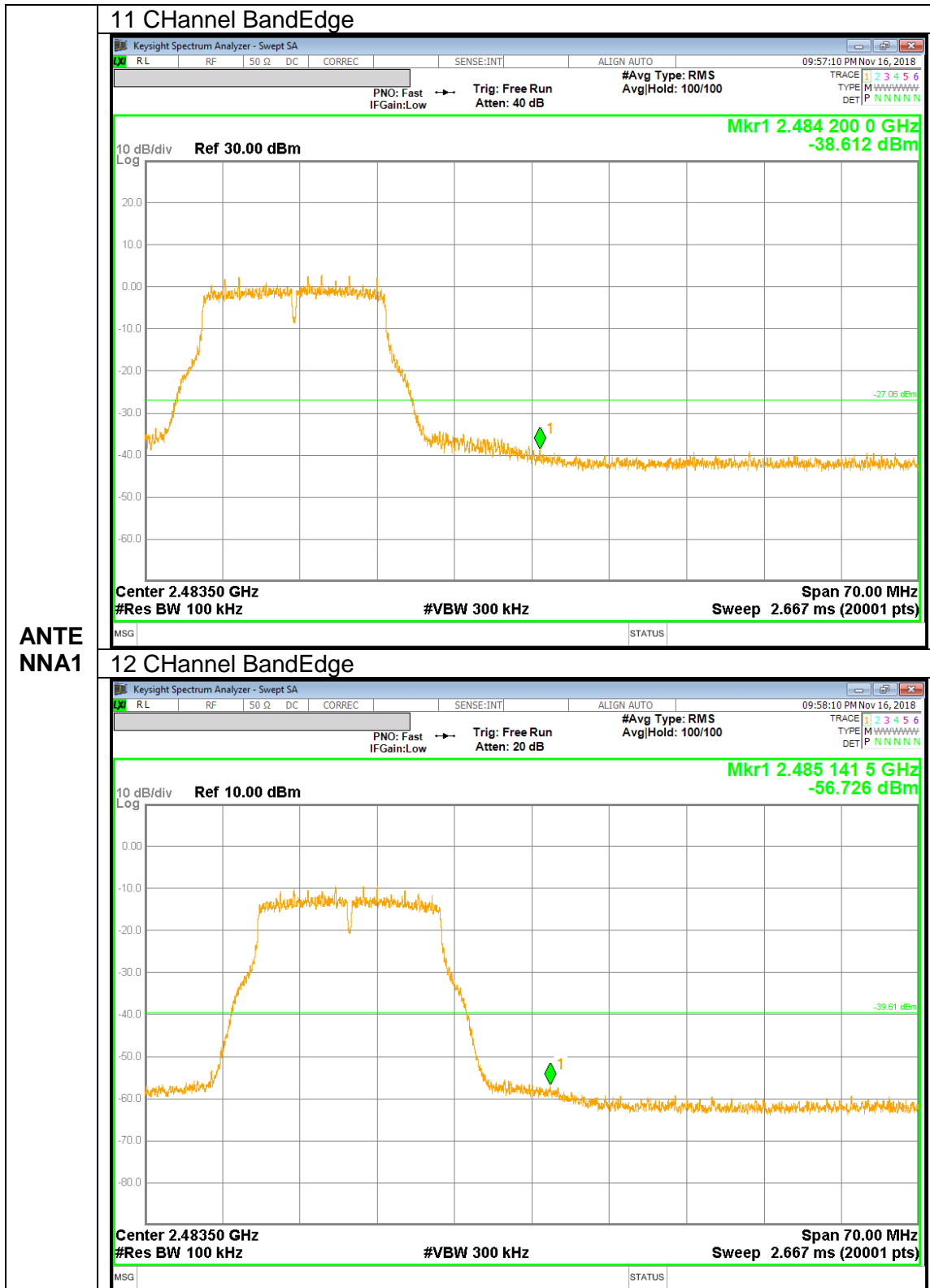


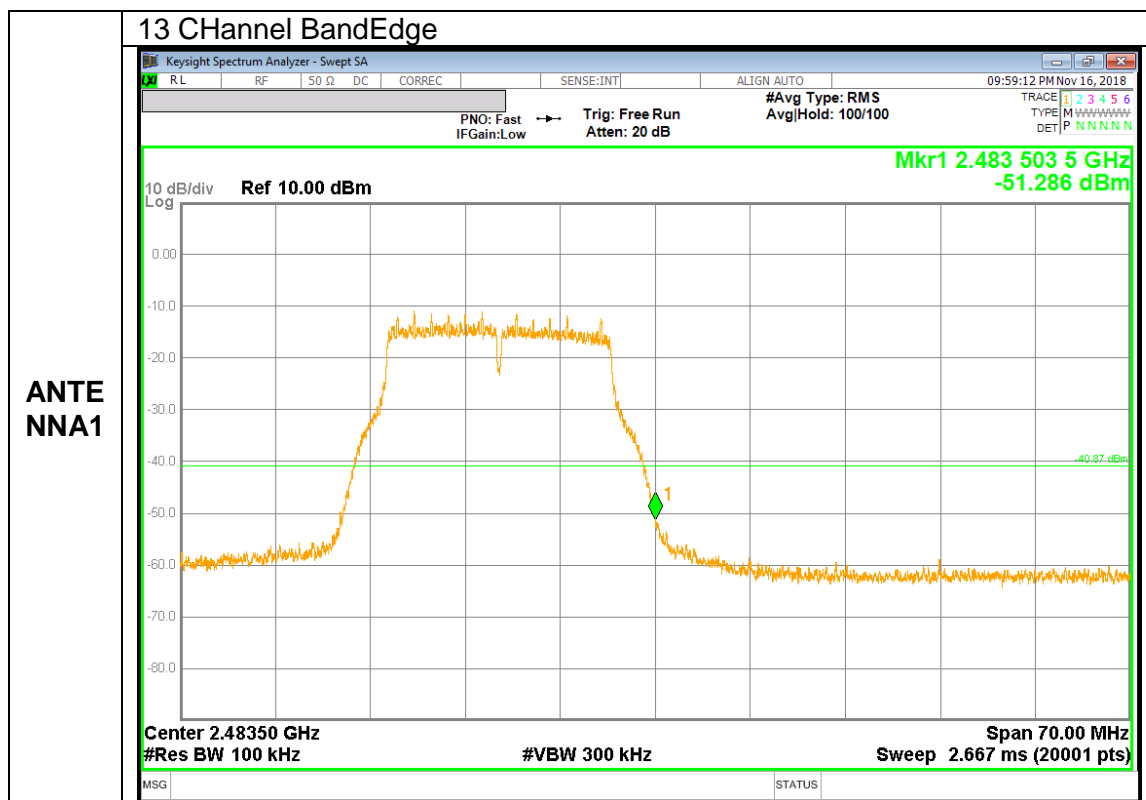
ANTE  
 NNA1

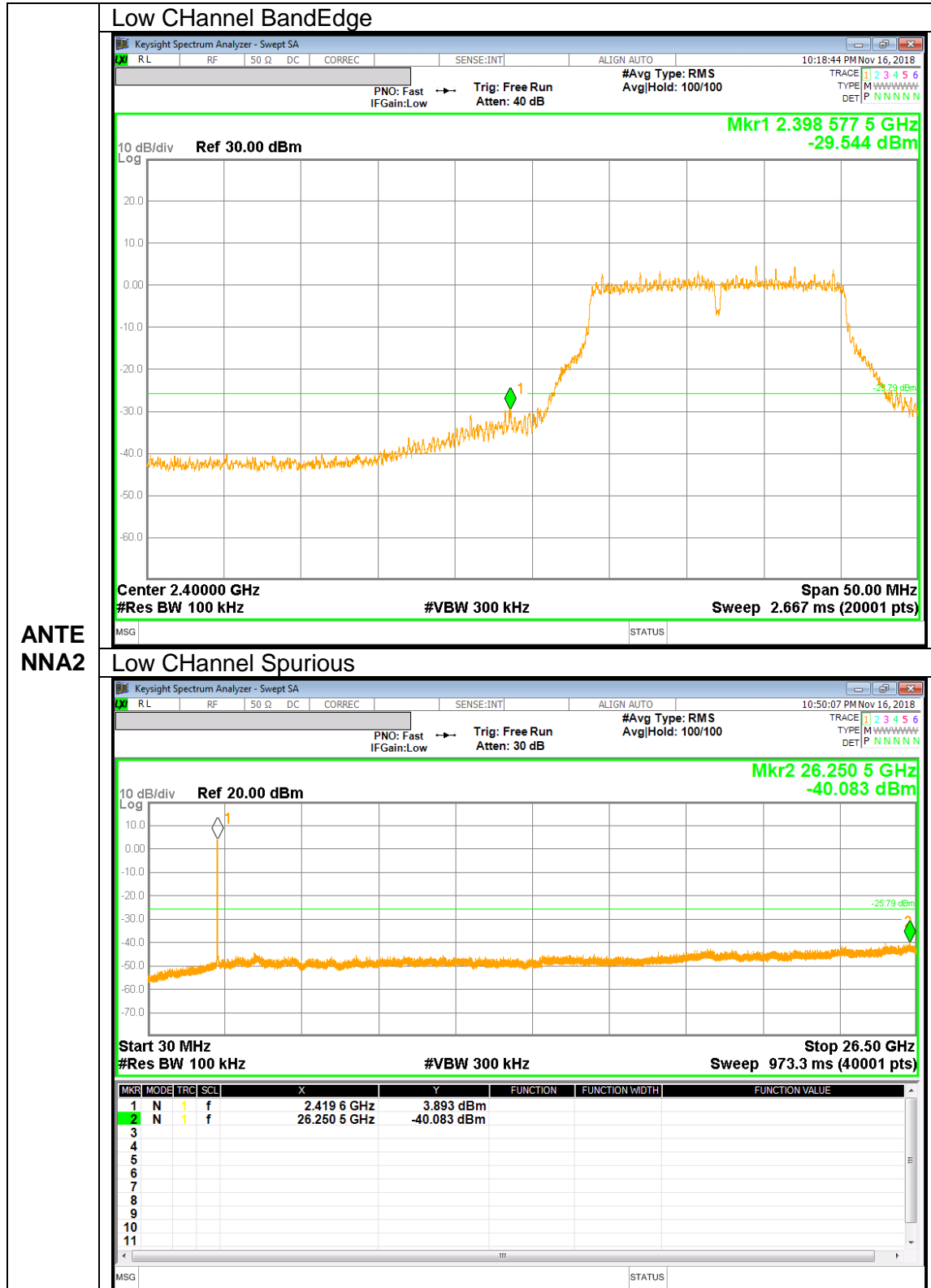


ANTE  
 NNA1

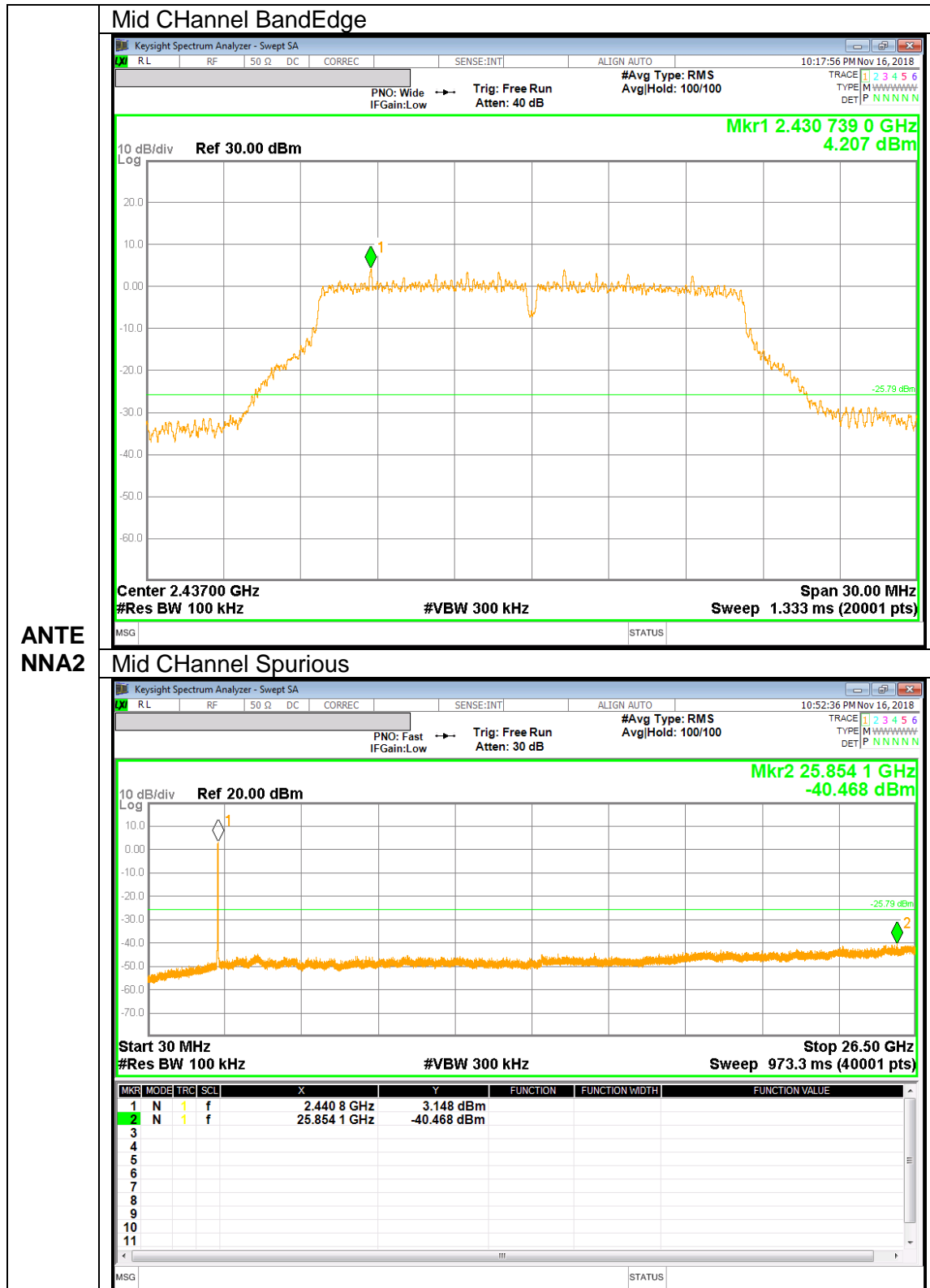


ANTE  
NNA1

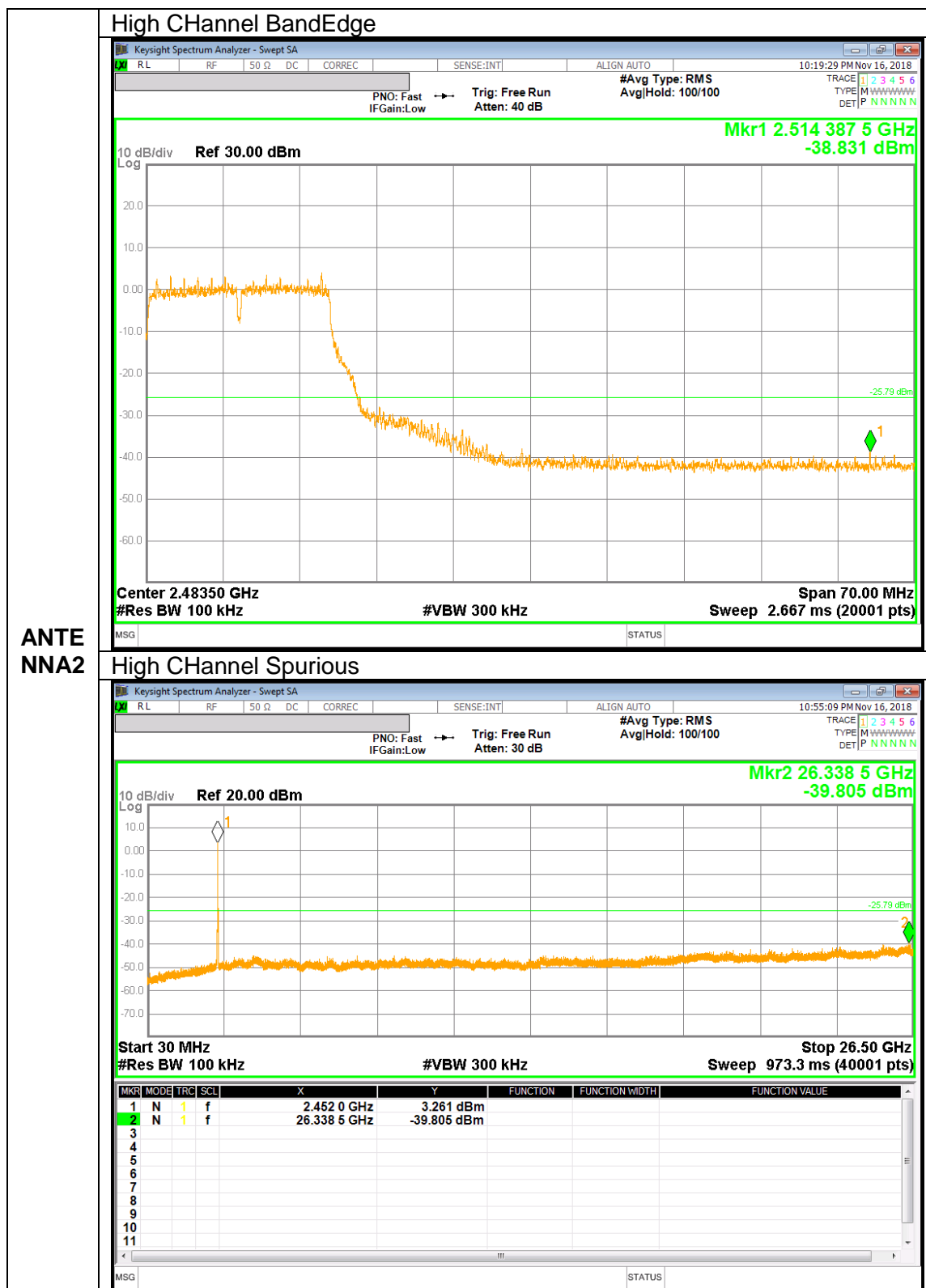




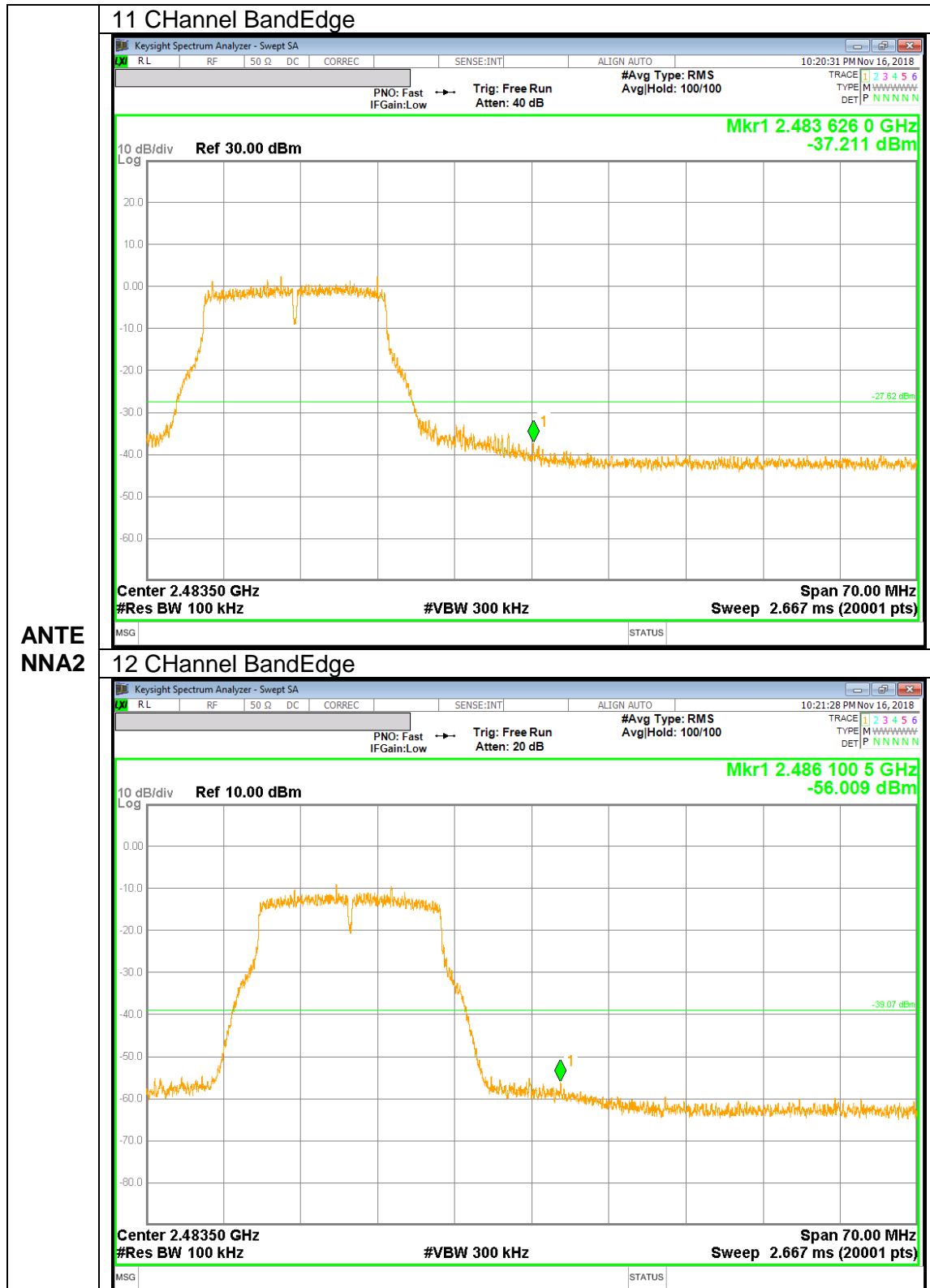
ANTE  
 NNA2



ANTE  
 NNA2

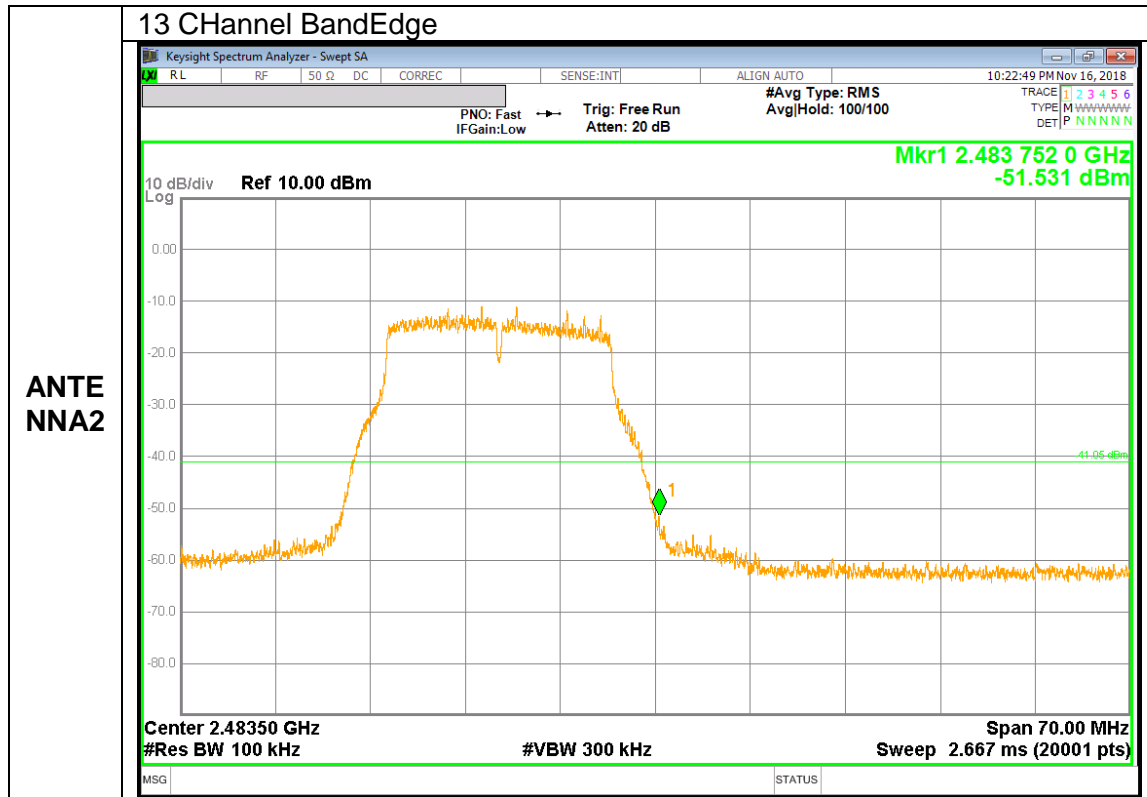


ANTE  
 NNA2



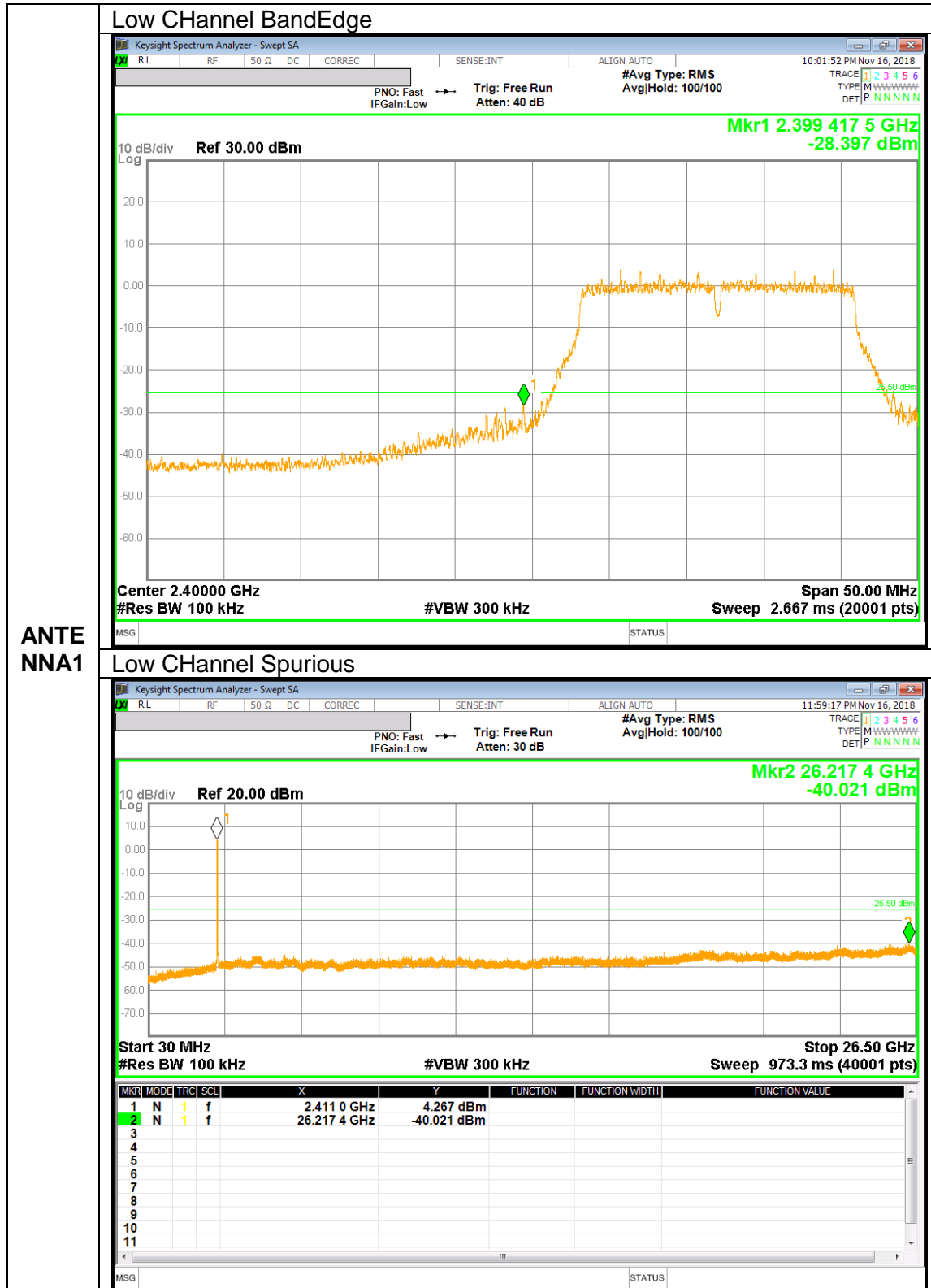
ANTE  
NNA2



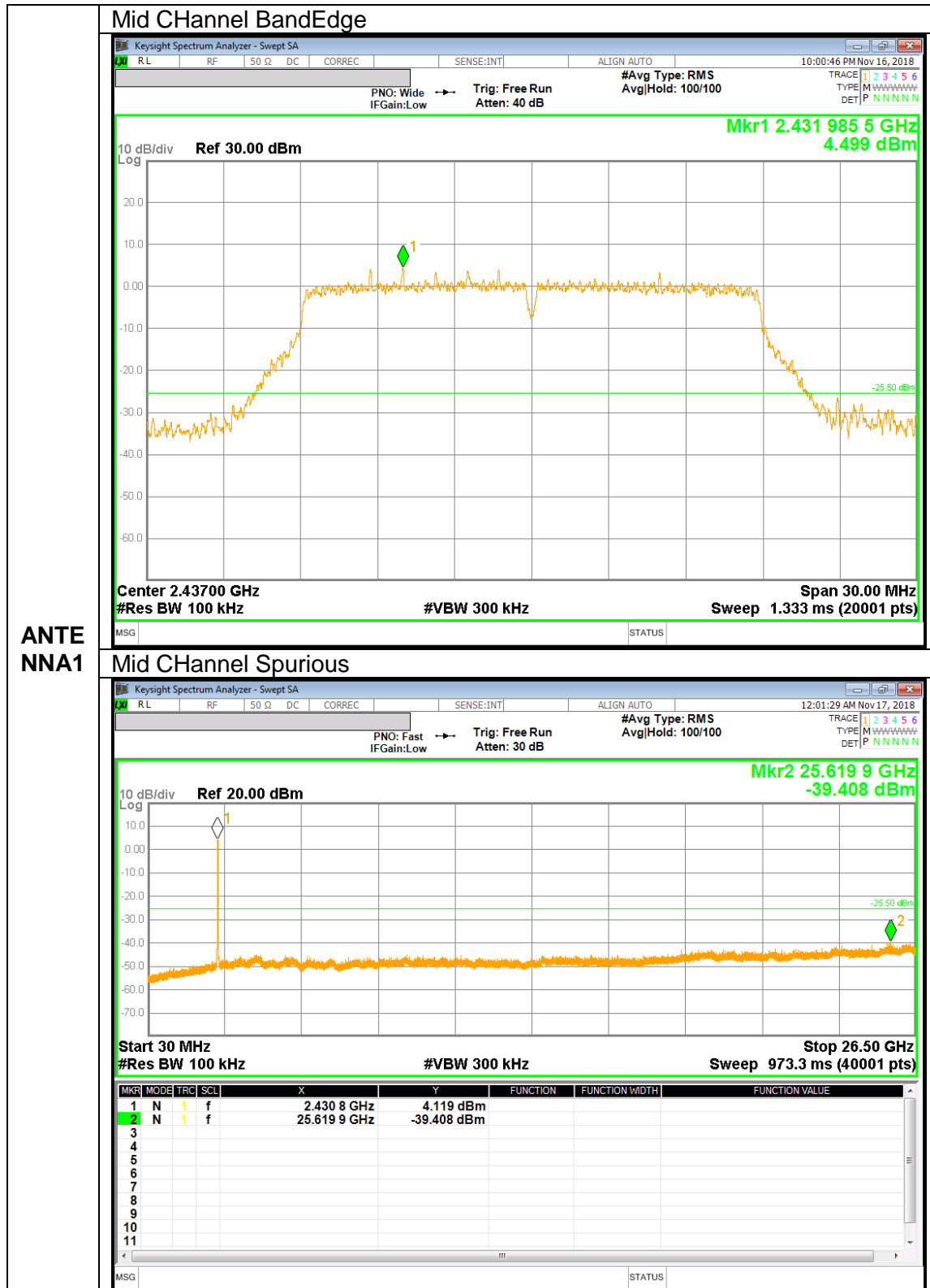


ANTE  
NNA2

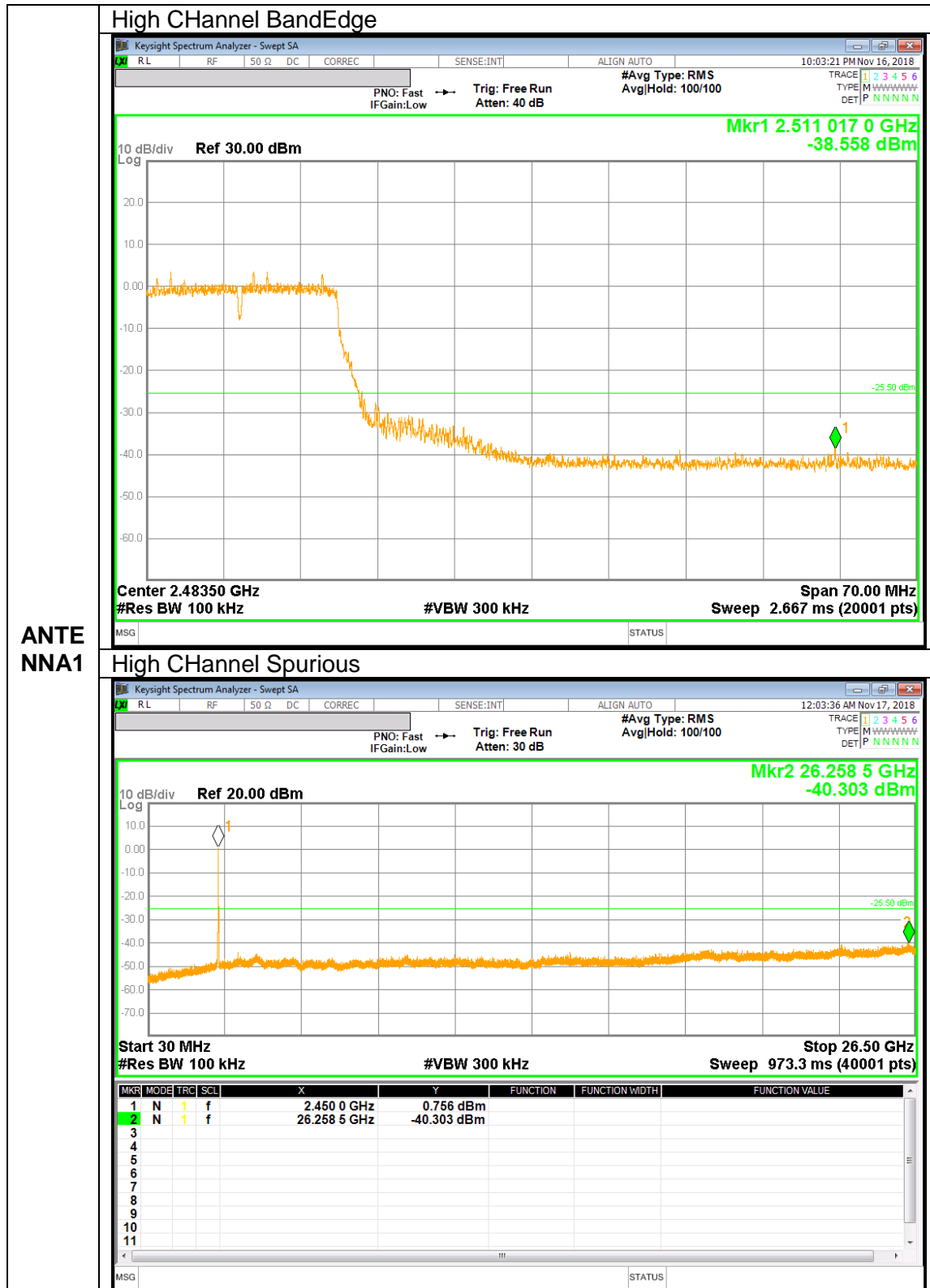
10.4.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND



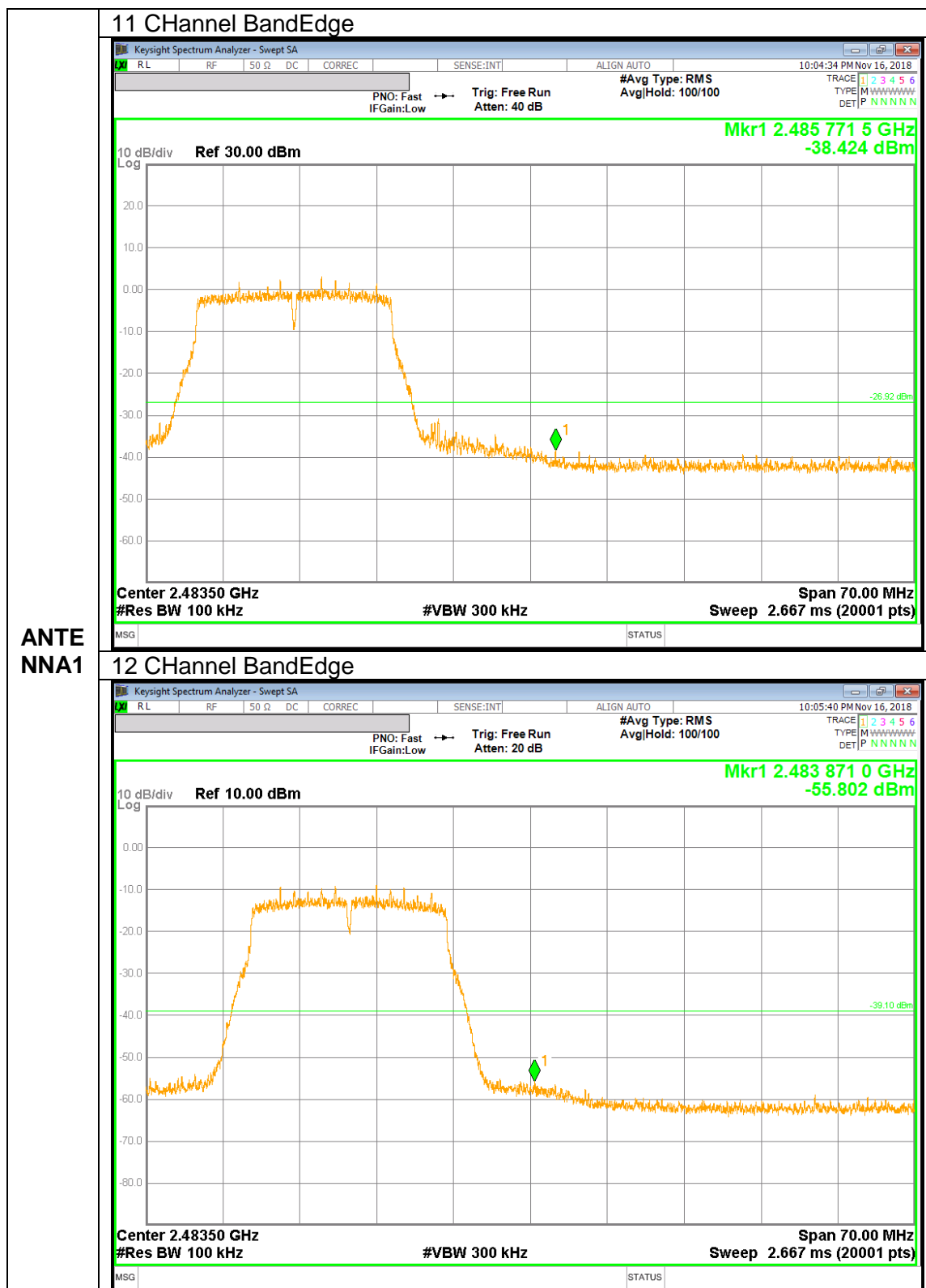
ANTE  
 NNA1



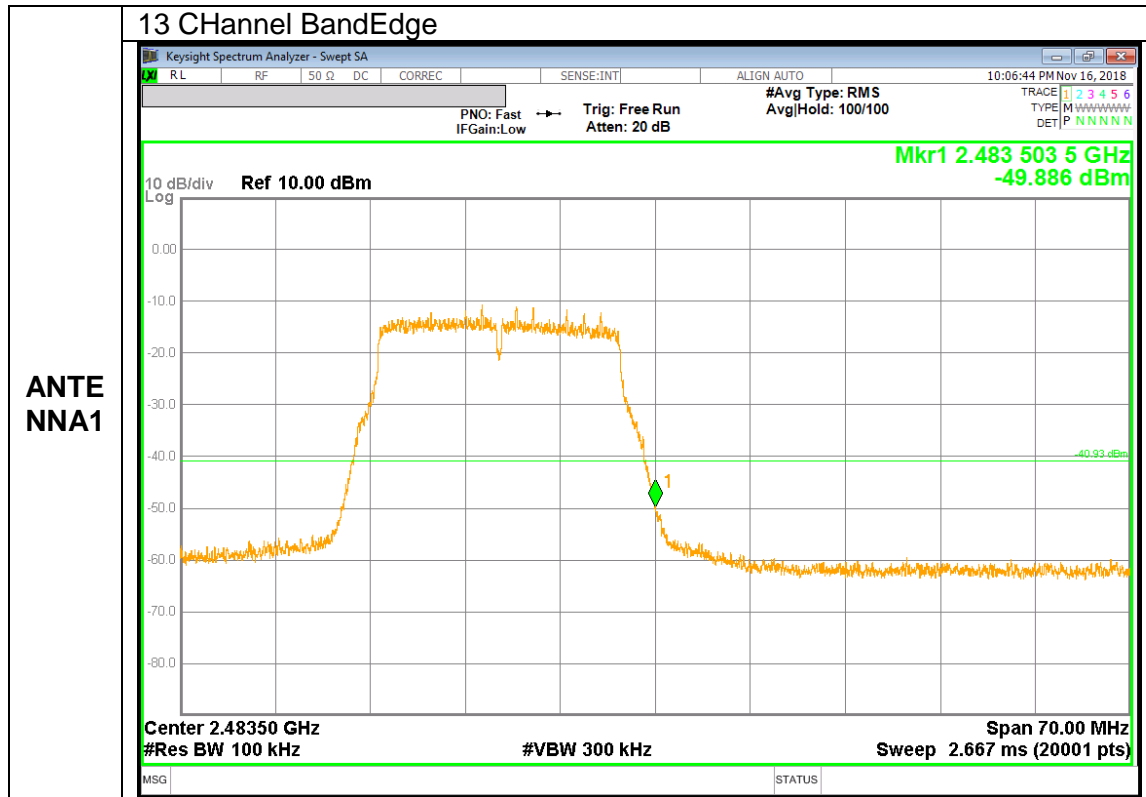
ANTE  
 NNA1

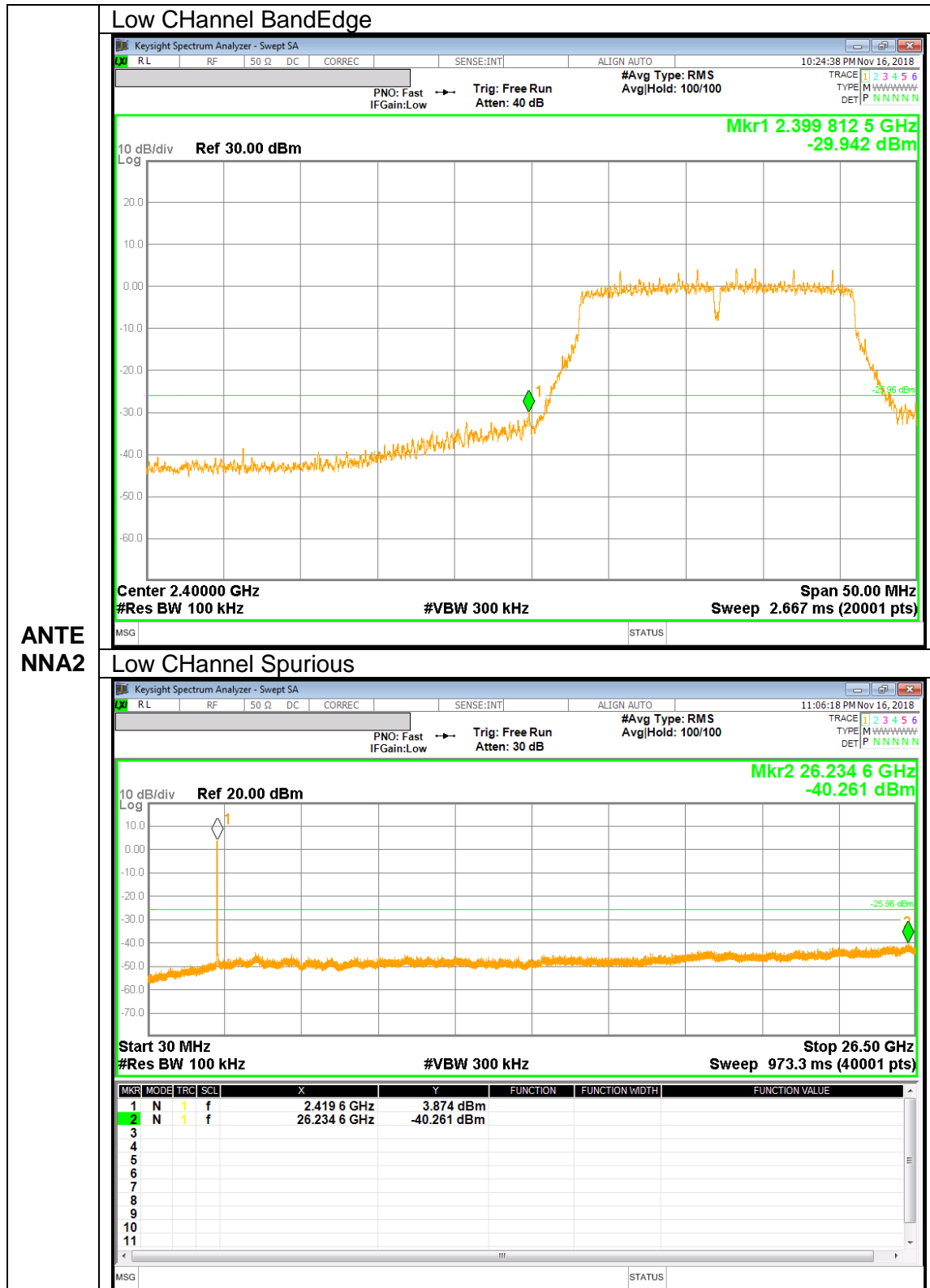


ANTE  
 NNA1

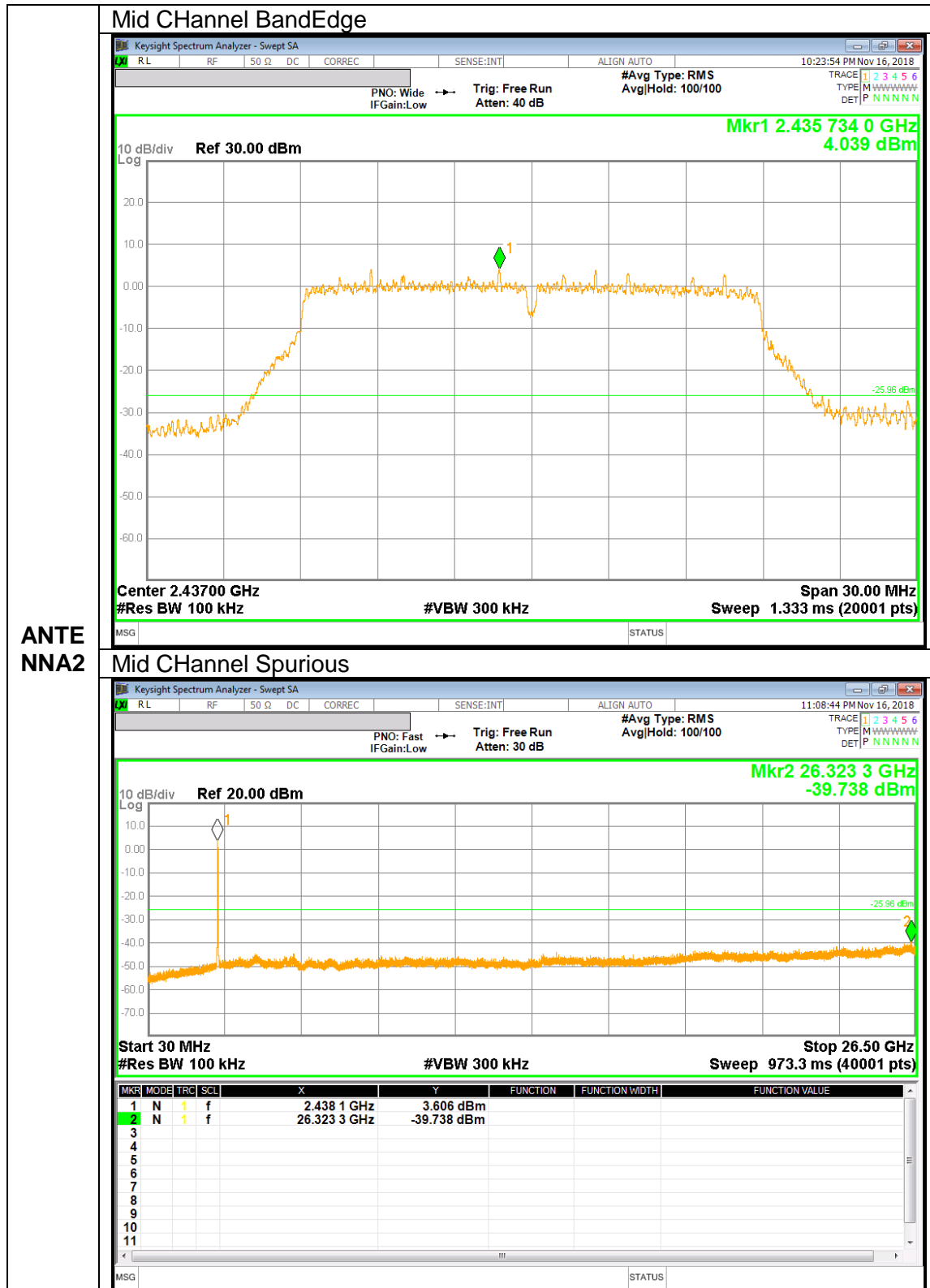


ANTE  
 NNA1



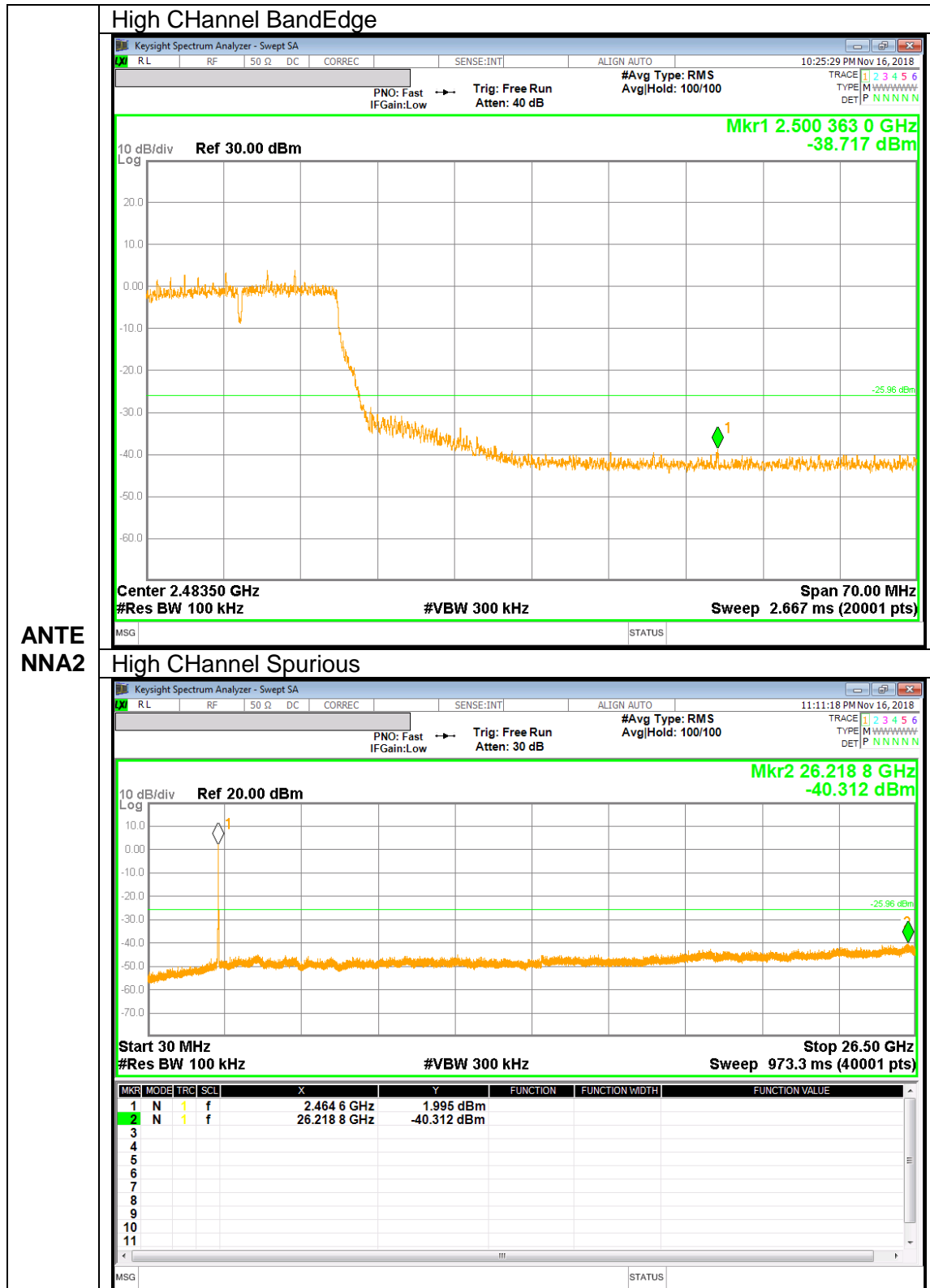


ANTE  
 NNA2

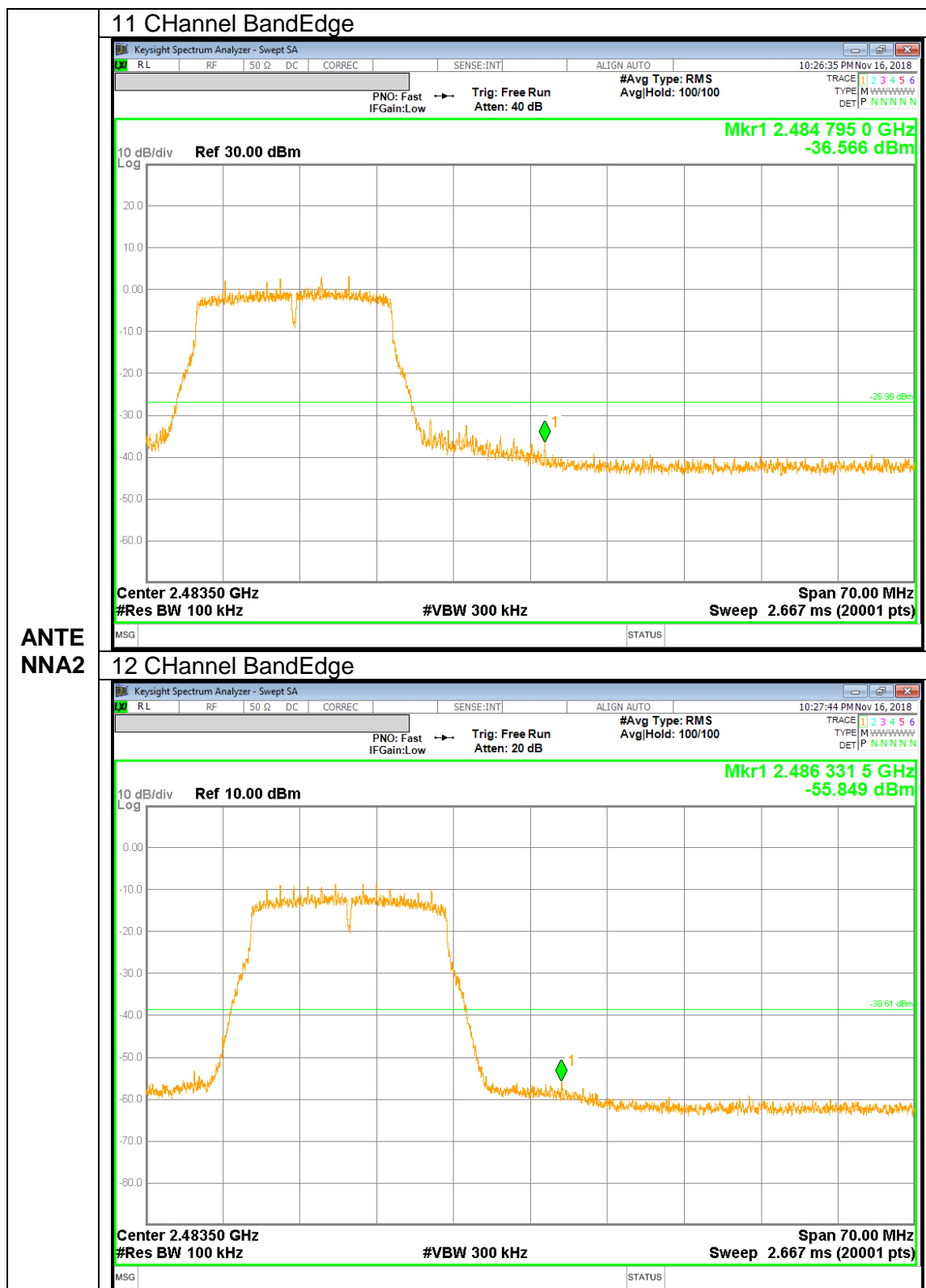


ANTE  
 NNA2

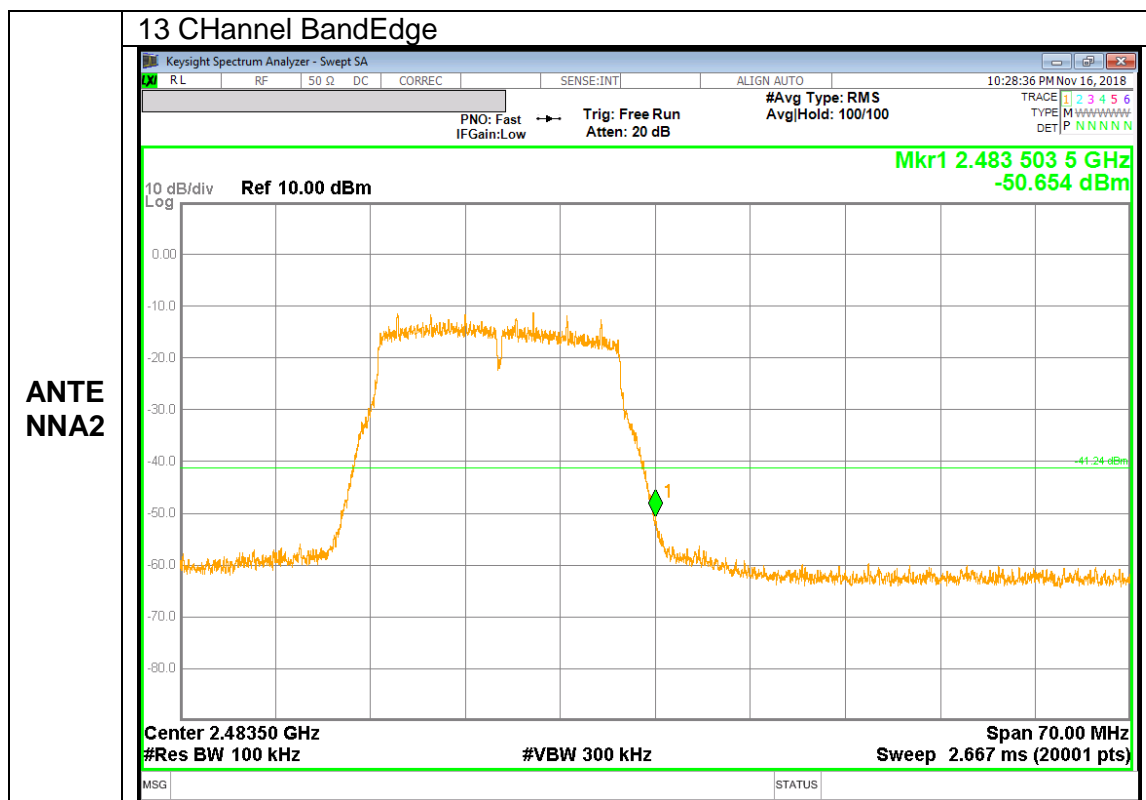




ANTE  
 NNA2



ANTE  
 NNA2



## 11. RADIATED TEST RESULTS

### 11.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209

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

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

## **TEST PROCEDURE**

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

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

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. (Restricted bandedge, Final detection of spurious harmonic emissions)  
Duty cycle factor=  $10\log(1/x)$  For this sample B mode = 0dB (duty cycle >98%); G mode = 0dB (duty cycle >98%); N mode = 0dB (duty cycle >98%).

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

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

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

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

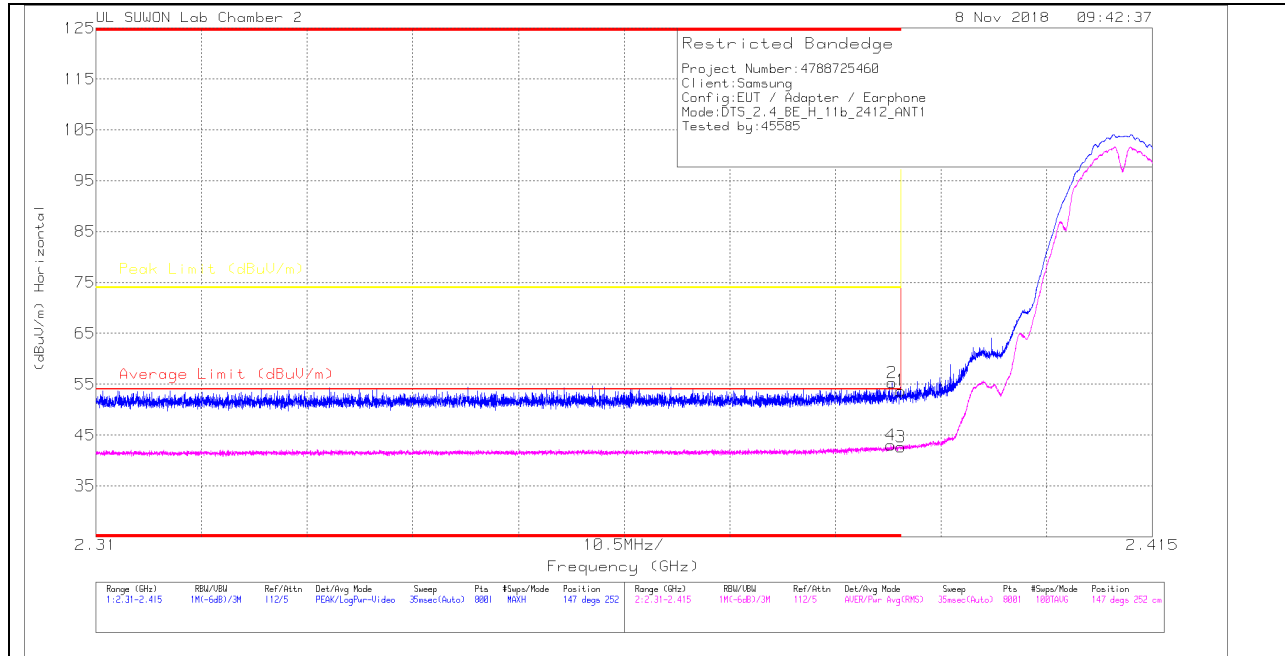
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.  
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field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

## 11.2. TRANSMITTER ABOVE 1 GHz

### 11.2.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND ANTENNA1

#### RESTRICTED BANDEDGE (LOW CHANNEL)

##### HORIZONTAL PEAK AND AVERAGE PLOT



##### HORIZONTAL DATA

###### Trace Markers

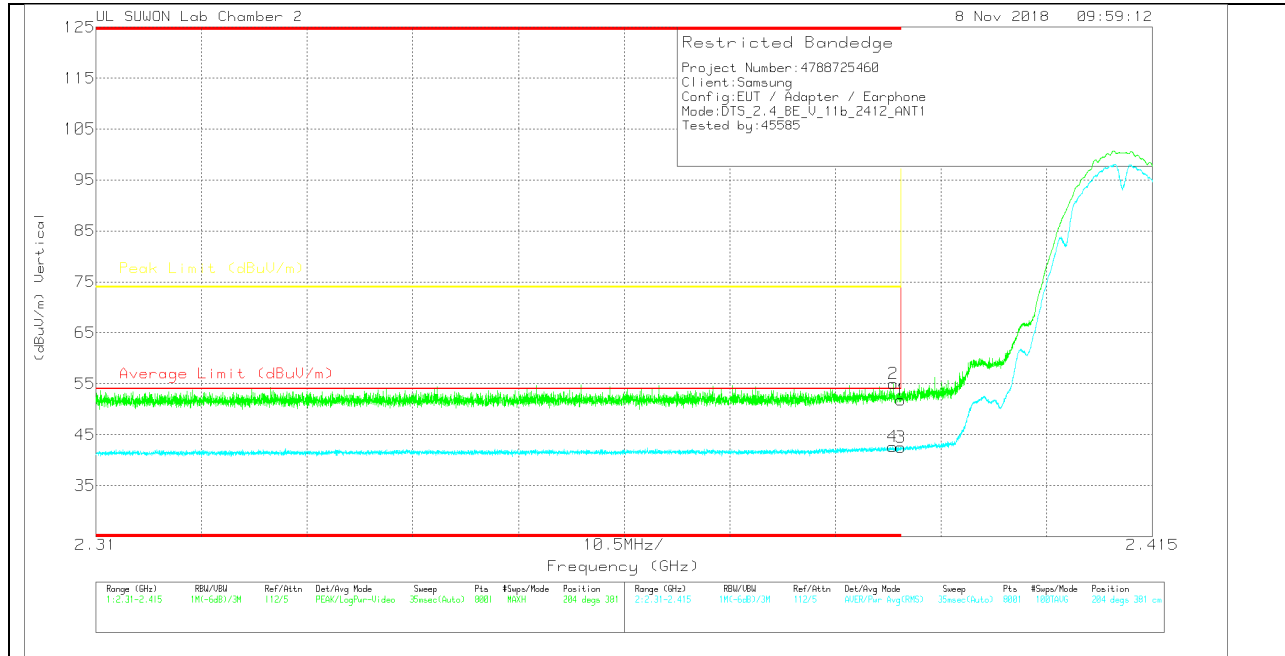
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.93	Pk	31.6	-20.8	0	53.73	-	-	74	-20.27	147	252	H
2	* 2.389	44.5	Pk	31.6	-20.8	0	55.3	-	-	74	-18.7	147	252	H
3	* 2.39	31.81	RMS	31.6	-20.8	0	42.61	54	-11.39	-	-	147	252	H
4	* 2.389	32.23	RMS	31.6	-20.8	0	43.03	54	-10.97	-	-	147	252	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.01	Pk	31.6	-20.8	0	51.81	-	-	74	-22.19	204	381	V
2	* 2.389	44.23	Pk	31.6	-20.8	0	55.03	-	-	74	-18.97	204	381	V
3	* 2.39	31.79	RMS	31.6	-20.8	0	42.59	54	-11.41	-	-	204	381	V
4	* 2.389	31.9	RMS	31.6	-20.8	0	42.7	54	-11.3	-	-	204	381	V

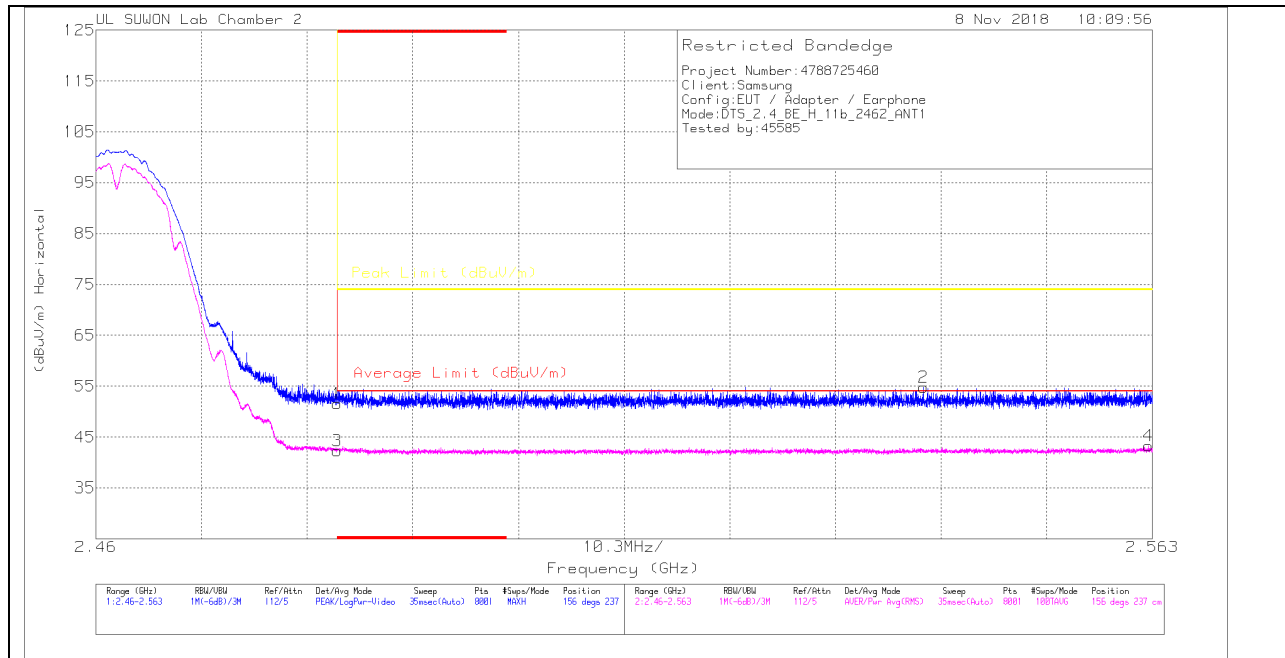
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.25	PK	31.9	-20.6	0	51.55	-	-	74	-22.45	156	237	H
2	2.541	43.29	PK	32	-20.5	0	54.79	-	-	74	-19.21	156	237	H
3	* 2.484	31.02	RMS	31.9	-20.6	0	42.32	54	-11.68	-	-	156	237	H
4	2.563	31.56	RMS	32	-20.3	0	43.26	54	-10.74	-	-	156	237	H

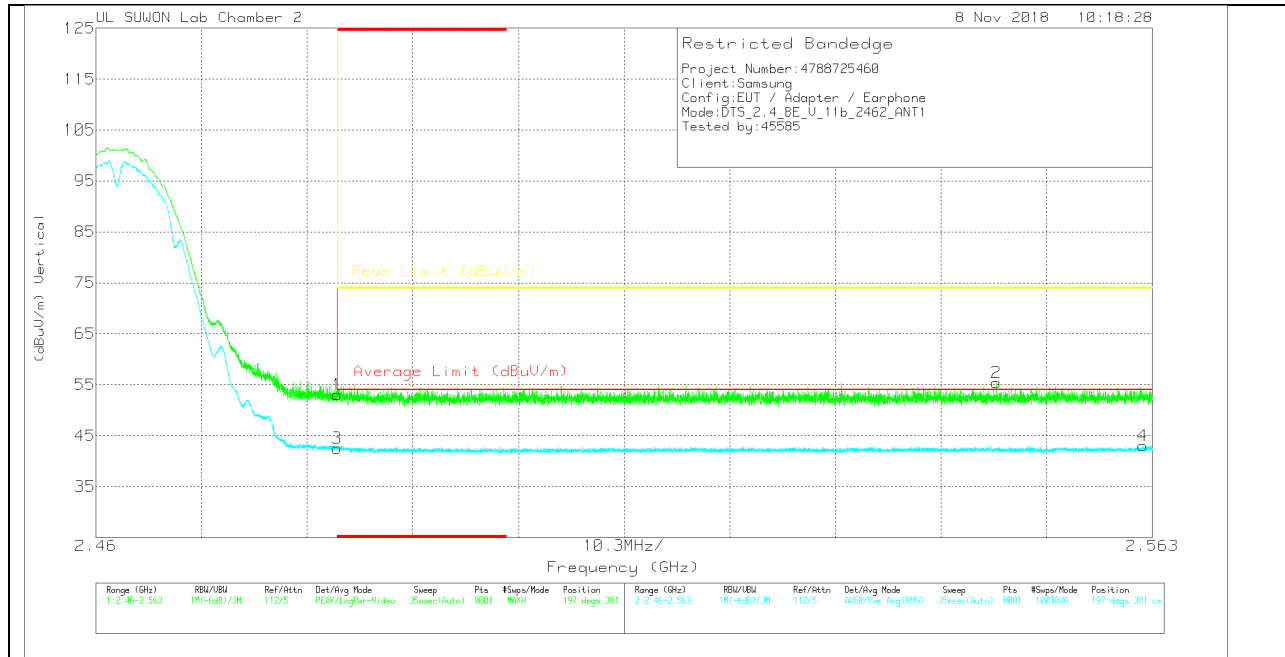
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.73	Pk	31.9	-20.6	0	53.03	-	-	74	-20.97	197	381	V
2	2.548	43.85	Pk	32	-20.5	0	55.35	-	-	74	-18.65	197	381	V
3	* 2.484	31.25	RMS	31.9	-20.6	0	42.55	54	-11.45	-	-	197	381	V
4	2.562	31.32	RMS	32	-20.3	0	43.02	54	-10.98	-	-	197	381	V

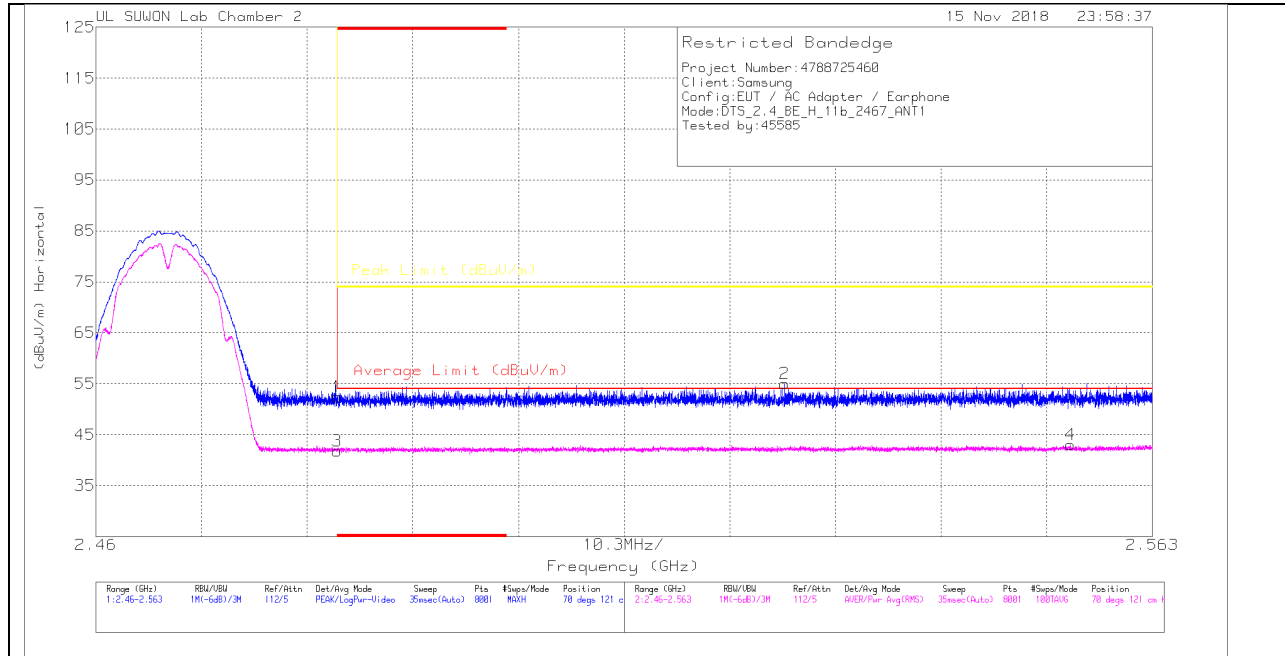
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.09	Pk	31.9	-20.6	0	52.39	-	-	74	-21.61	70	121	H
2	2.527	43.69	Pk	31.9	-20.6	0	54.99	-	-	74	-19.01	70	121	H
3	* 2.484	30.47	RMS	31.9	-20.6	0	41.77	54	-12.23	-	-	70	121	H
4	2.555	31.55	RMS	32	-20.5	0	43.05	54	-10.95	-	-	70	121	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[0]	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	40.76	Pk	31.9	-20.6	0	52.06	-	-	74	-21.94	198	343	V
2	* 2.489	44.06	Pk	31.9	-20.6	0	55.36	-	-	74	-18.64	198	343	V
3	* 2.484	30.98	RMS	31.9	-20.6	0	42.28	54	-11.72	-	-	198	343	V
4	2.542	31.37	RMS	32	-20.5	0	42.87	54	-11.13	-	-	198	343	V

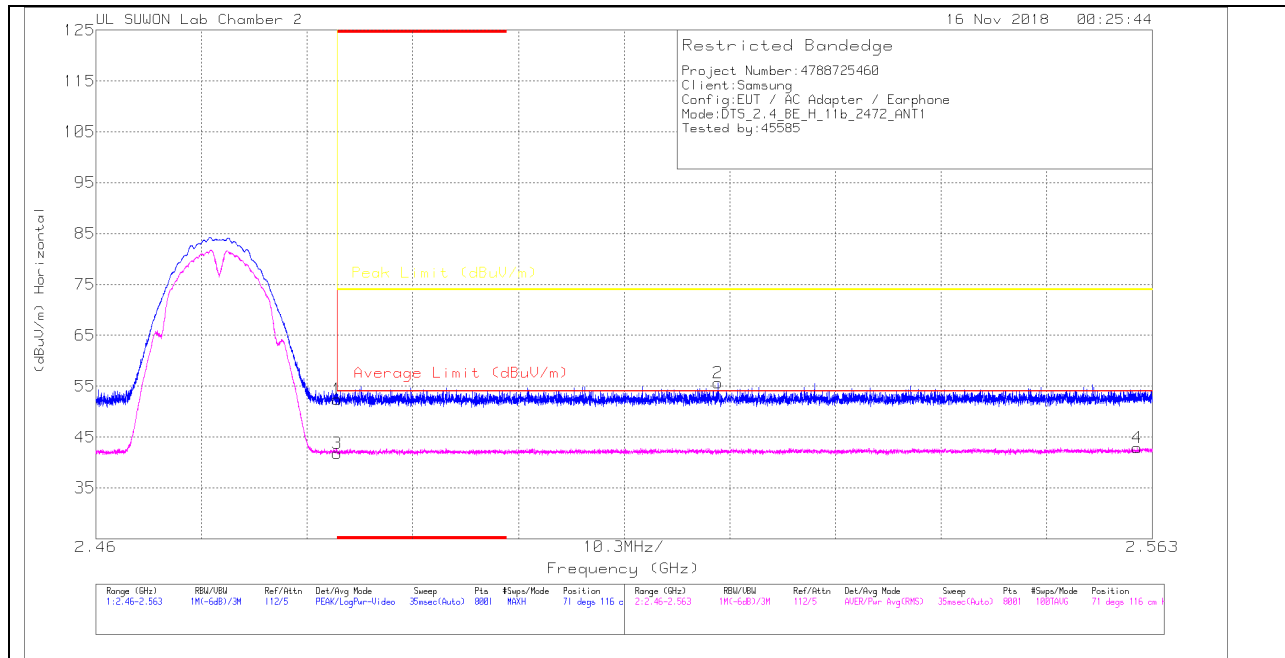
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.11	Pk	31.9	-20.6	0	52.41	-	-	74	-21.59	71	116	H
2	2.521	44.35	Pk	31.9	-20.6	0	55.65	-	-	74	-18.35	71	116	H
3	* 2.484	30.51	RMS	31.9	-20.6	0	41.81	54	-12.19	-	-	71	116	H
4	2.562	31.36	RMS	32	-20.4	0	42.96	54	-11.04	-	-	71	116	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.93	Pk	31.9	-20.6	0	52.23	-	-	74	-21.77	189	275	V
2	2.557	44.05	Pk	32	-20.6	0	55.45	-	-	74	-18.55	189	275	V
3	* 2.484	30.9	RMS	31.9	-20.6	0	42.2	54	-11.8	-	-	189	275	V
4	2.554	31.43	RMS	32	-20.4	0	43.03	54	-10.97	-	-	189	275	V

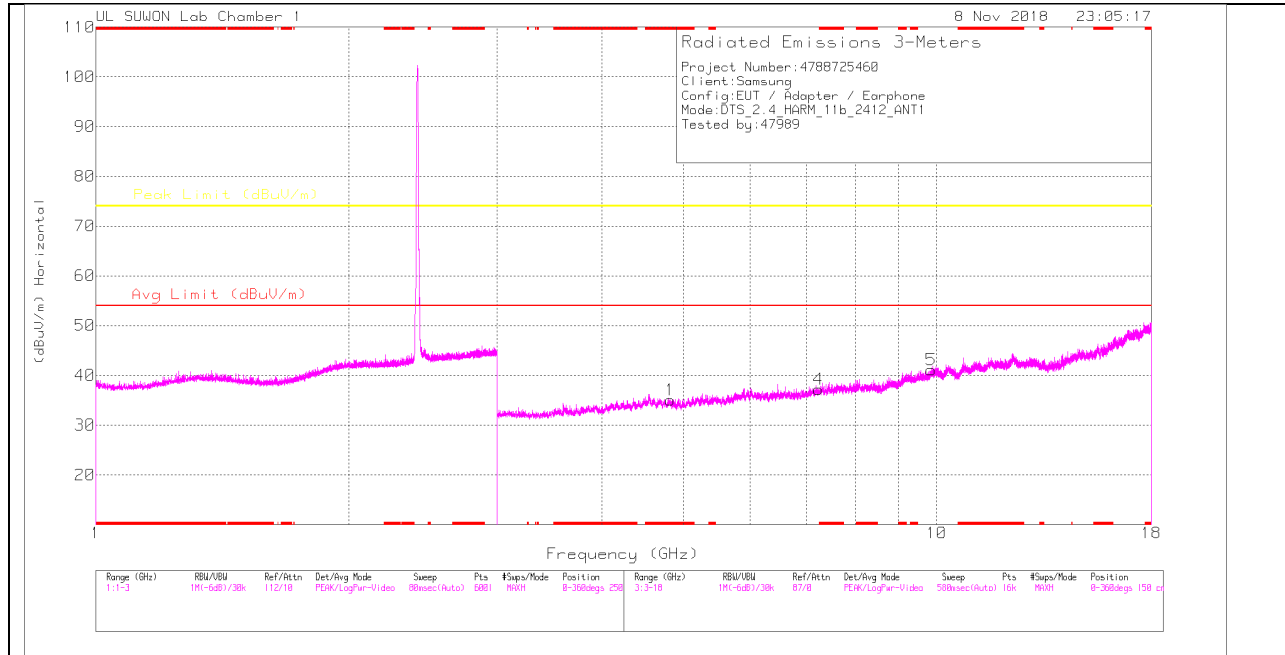
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

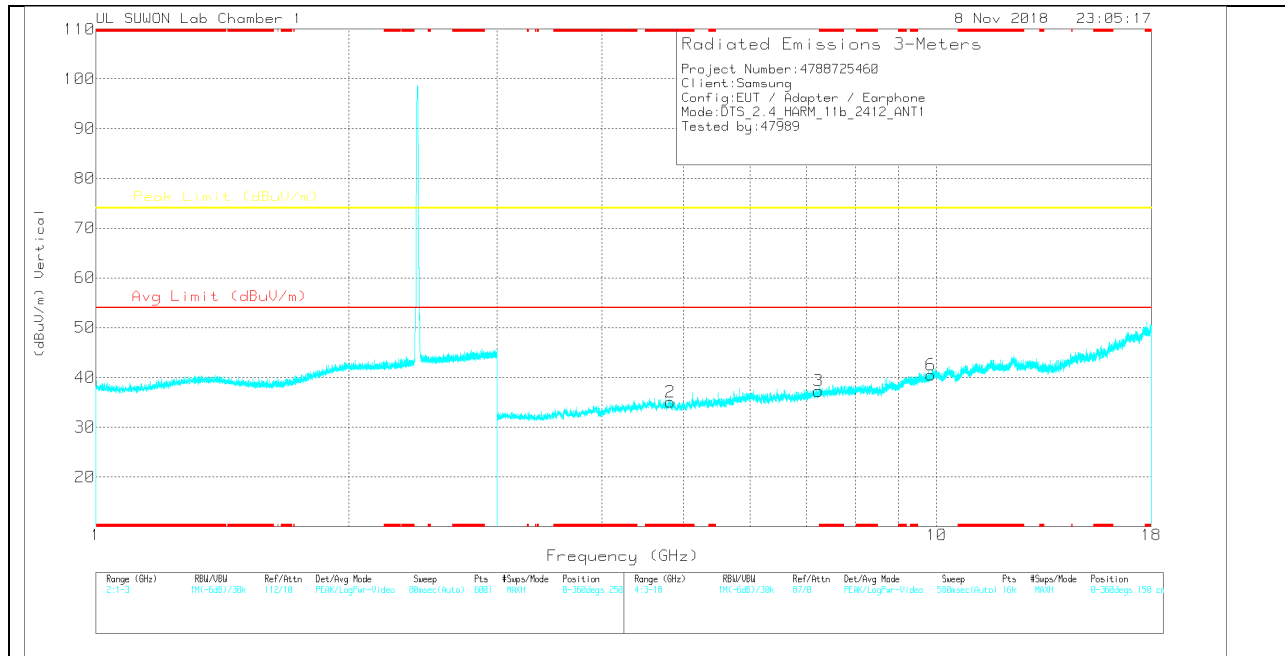
RMS - RMS detection

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



#### LOW CHANNEL VERTICAL



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

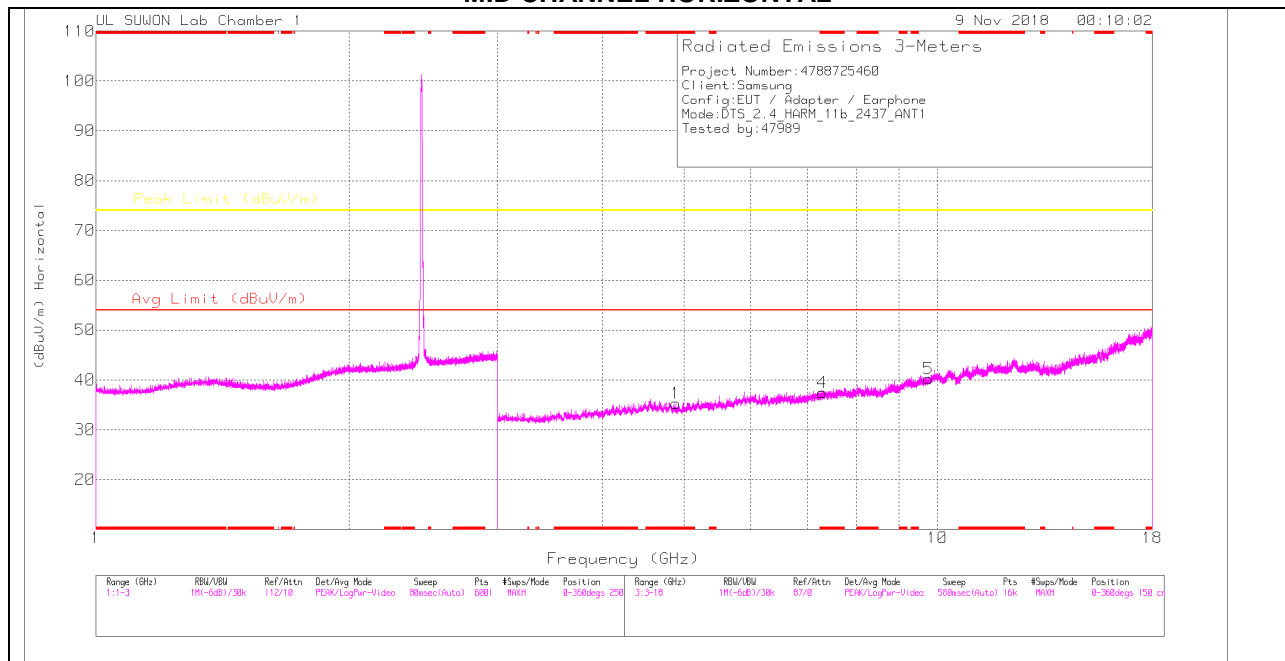
**LOW CHANNEL DATA**

Trace Markers

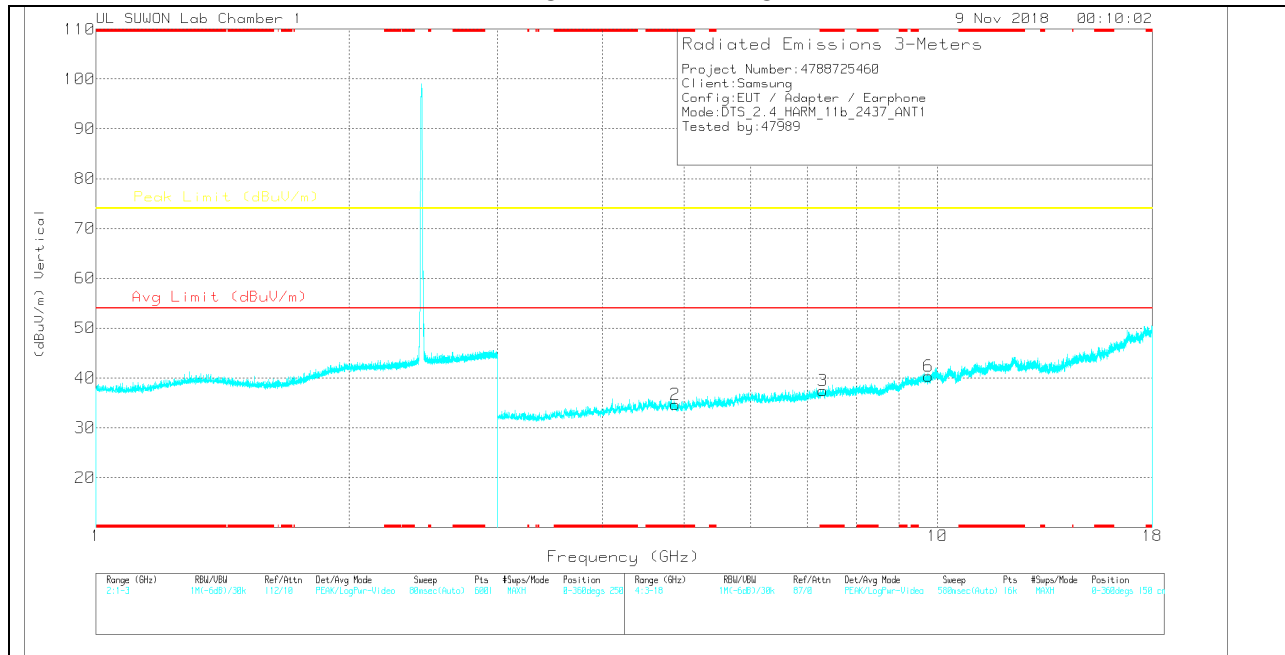
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	32.21	PK	34.2	-31.4	0	35.01	-	-	74	-38.99	0-360	150	H
4	7.24	29.24	PK	35.8	-27.8	0	37.24	-	-	74	-36.76	0-360	150	H
5	9.85	26.95	PK	37.4	-23.2	0	41.15	-	-	74	-32.85	0-360	150	H
2	* 4.824	32.31	PK	34.2	-31.4	0	35.11	-	-	74	-38.89	0-360	150	V
3	7.233	29.37	PK	35.8	-27.9	0	37.27	-	-	74	-36.73	0-360	150	V
6	9.849	26.31	PK	37.4	-23.2	0	40.51	-	-	74	-33.49	0-360	250	V

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

**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.



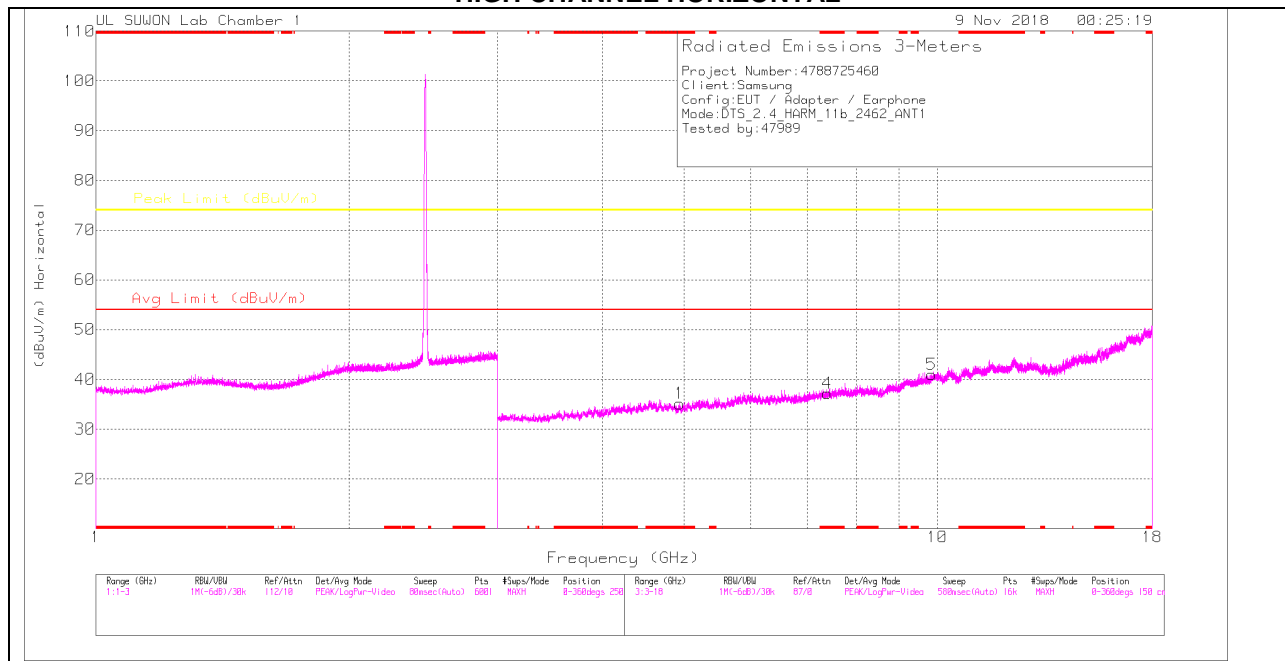
**MID CHANNEL DATA**

Trace Markers

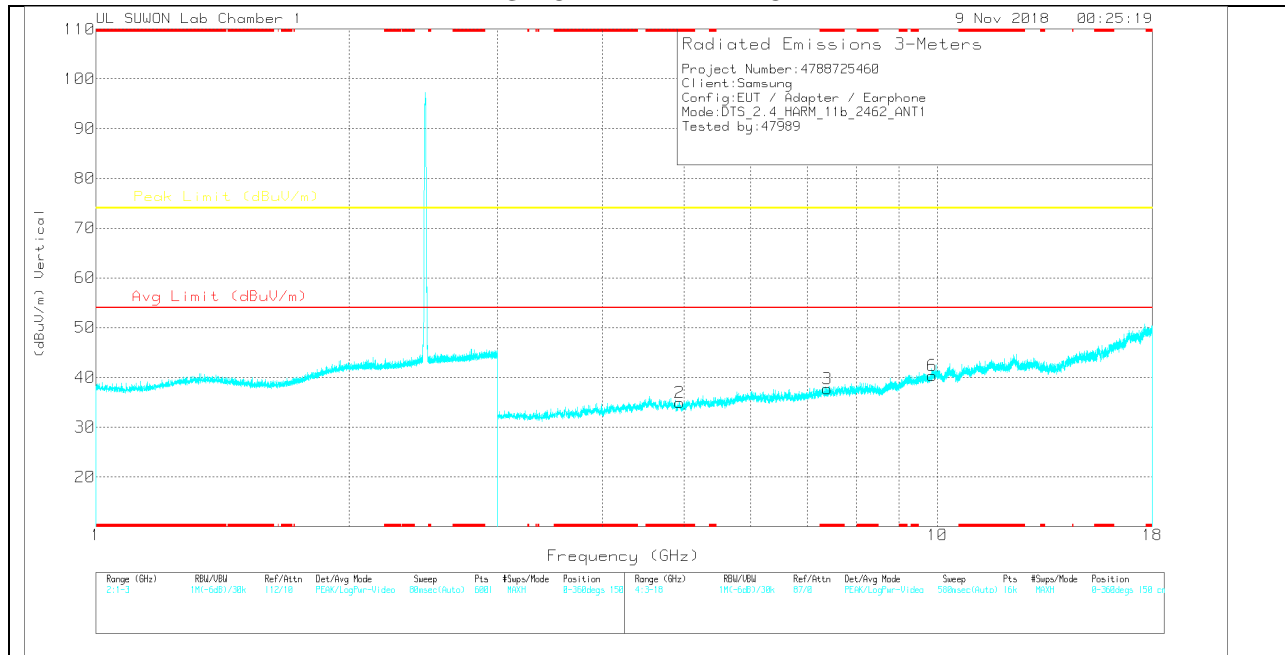
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.886	32.61	PK	34.2	-31.5	0	35.31	-	-	74	-38.69	0-360	150	H
4	* 7.302	29.21	PK	35.8	-27.5	0	37.51	-	-	74	-36.49	0-360	150	H
5	9.751	26.98	PK	37.2	-23.9	0	40.28	-	-	74	-33.72	0-360	150	H
2	* 4.881	31.92	PK	34.2	-31.5	0	34.62	-	-	74	-39.38	0-360	250	V
3	* 7.305	29.16	PK	35.8	-27.5	0	37.46	-	-	74	-36.54	0-360	250	V
6	9.754	27.01	PK	37.2	-23.9	0	40.31	-	-	74	-33.69	0-360	150	V

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

**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

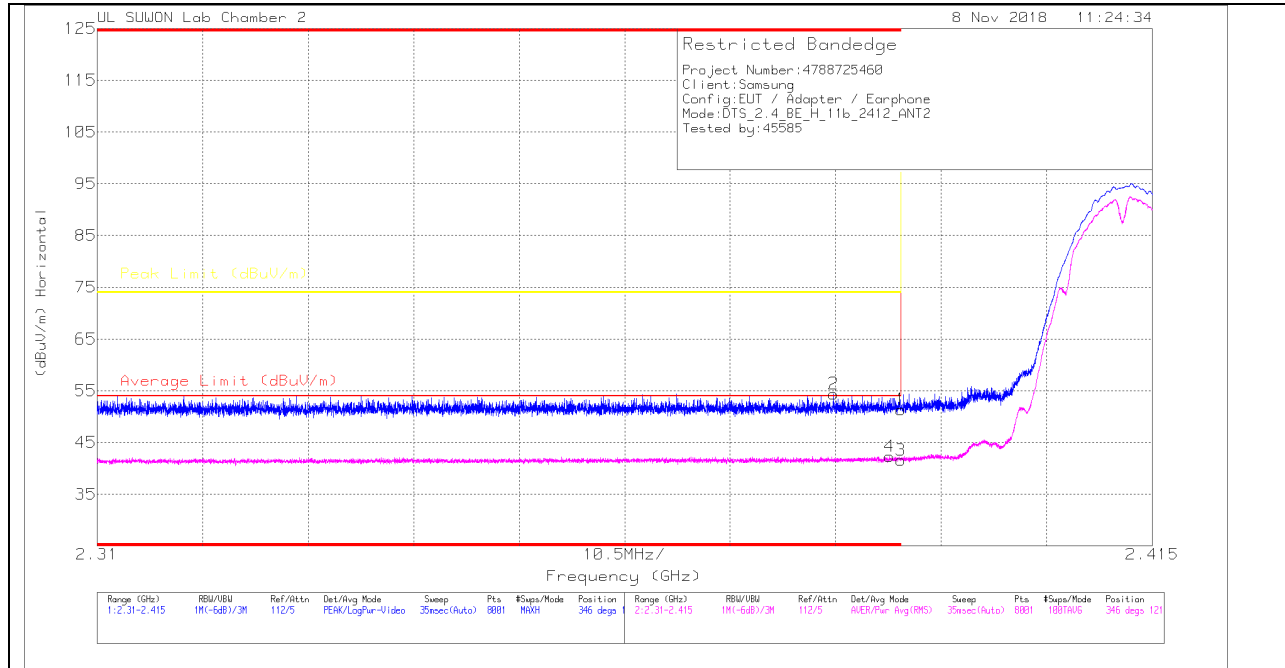
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.936	32.42	PK	34.2	-31.5	0	35.12	-	-	74	-38.88	0-360	150	H
4	* 7.402	28.35	PK	35.8	-26.9	0	37.25	-	-	74	-36.75	0-360	150	H
5	9.845	26.87	PK	37.4	-23.3	0	40.97	-	-	74	-33.03	0-360	150	H
2	* 4.936	32.17	PK	34.2	-31.5	0	34.87	-	-	74	-39.13	0-360	250	V
3	* 7.397	28.81	PK	35.8	-26.9	0	37.71	-	-	74	-36.29	0-360	250	V
6	9.851	26.18	PK	37.4	-23.2	0	40.38	-	-	74	-33.62	0-360	150	V

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

11.2.2. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND ANTENNA2

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

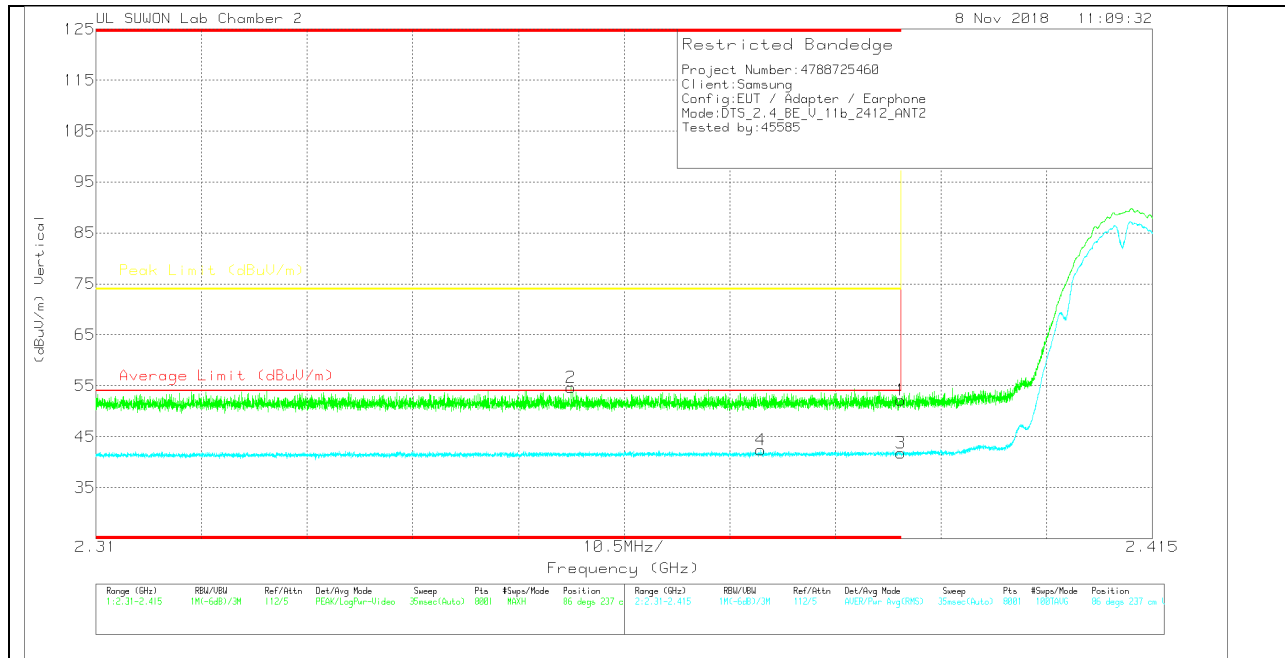
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	40.57	Pk	31.6	-20.8	0	51.37	-	-	74	-22.63	346	121	H
2	* 2.383	43.6	Pk	31.6	-20.8	0	54.4	-	-	74	-19.6	346	121	H
3	* 2.39	30.8	RMS	31.6	-20.8	0	41.6	54	-12.4	-	-	346	121	H
4	* 2.389	31.53	RMS	31.6	-20.8	0	42.33	54	-11.67	-	-	346	121	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.34	Pk	31.6	-20.8	0	52.14	-	-	74	-21.86	86	237	V
2	* 2.357	43.81	Pk	31.6	-20.8	0	54.61	-	-	74	-19.39	86	237	V
3	* 2.39	30.99	RMS	31.6	-20.8	0	41.79	54	-12.21	-	-	86	237	V
4	* 2.376	31.58	RMS	31.6	-20.8	0	42.38	54	-11.62	-	-	86	237	V

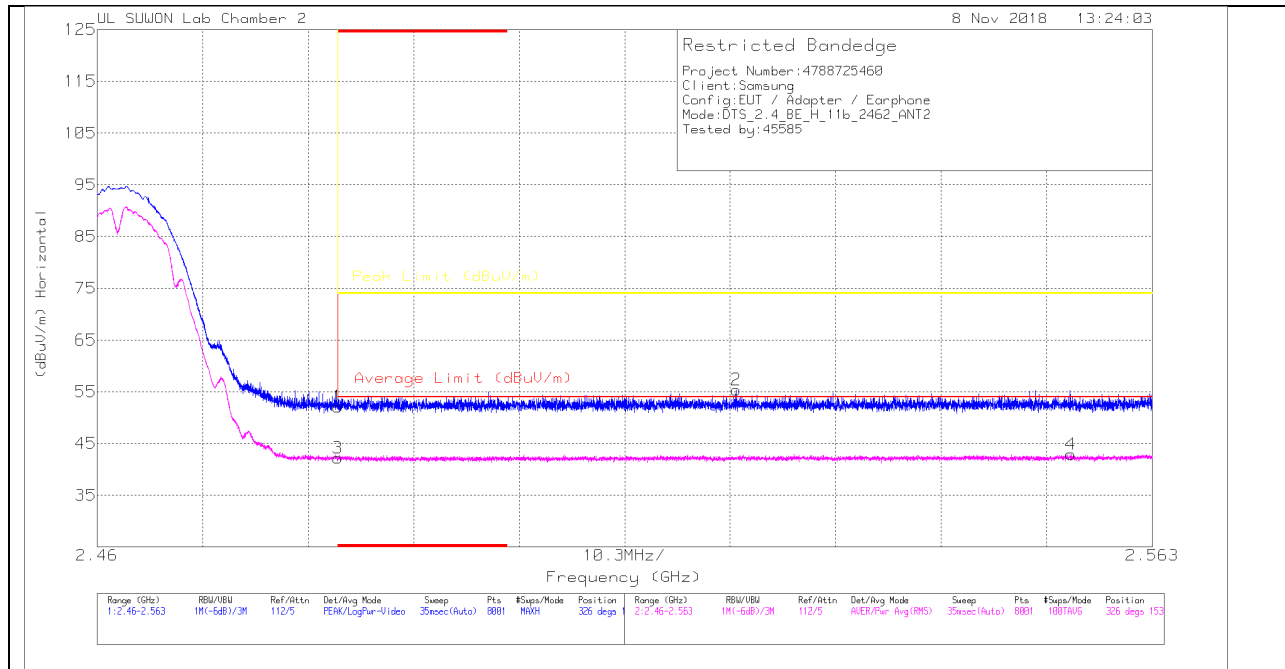
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

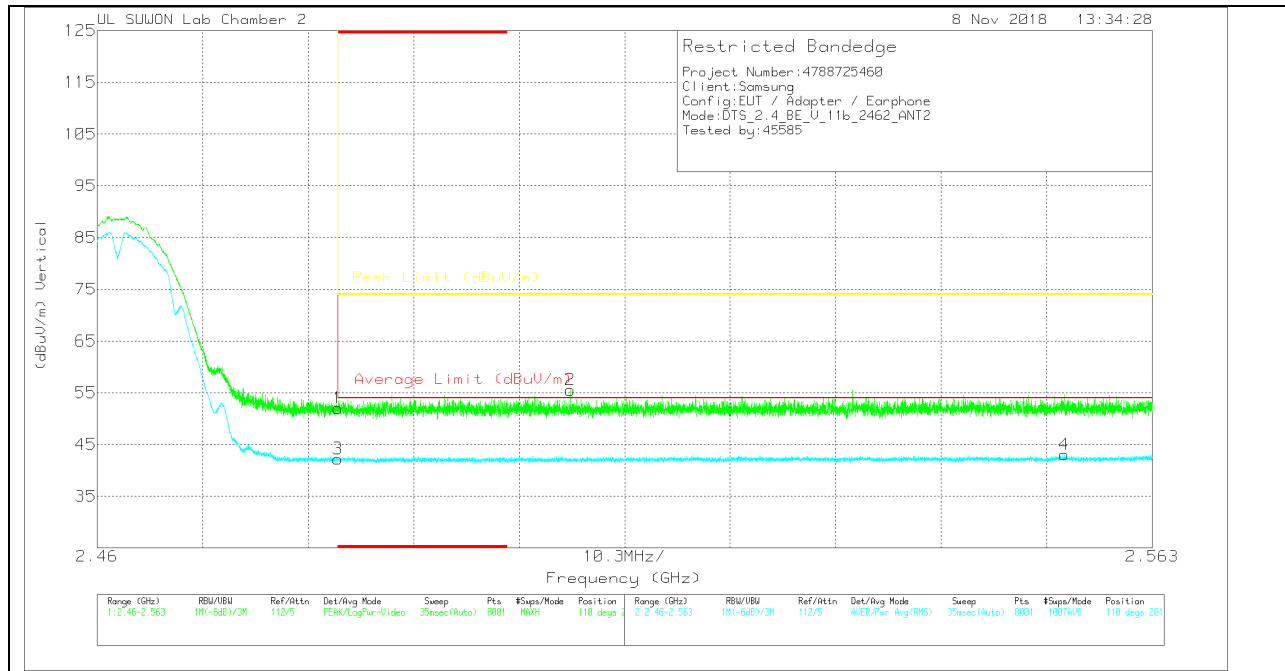
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(OB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.79	Pk	31.9	-20.6	0	52.09	-	-	74	-21.91	326	153	H
2	2.522	43.98	Pk	31.9	-20.5	0	55.38	-	-	74	-18.62	326	153	H
3	* 2.484	30.88	RMS	31.9	-20.6	0	42.18	54	-11.82	-	-	326	153	H
4	2.555	31.44	RMS	32	-20.5	0	42.94	54	-11.06	-	-	326	153	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.71	Pk	31.9	-20.6	0	52.01	-	-	74	-21.99	110	201	V
2	2.506	44.25	Pk	31.9	-20.6	0	55.55	-	-	74	-18.45	110	201	V
3	* 2.484	30.92	RMS	31.9	-20.6	0	42.22	54	-11.78	-	-	110	201	V
4	2.554	31.46	RMS	32	-20.4	0	43.06	54	-10.94	-	-	110	201	V

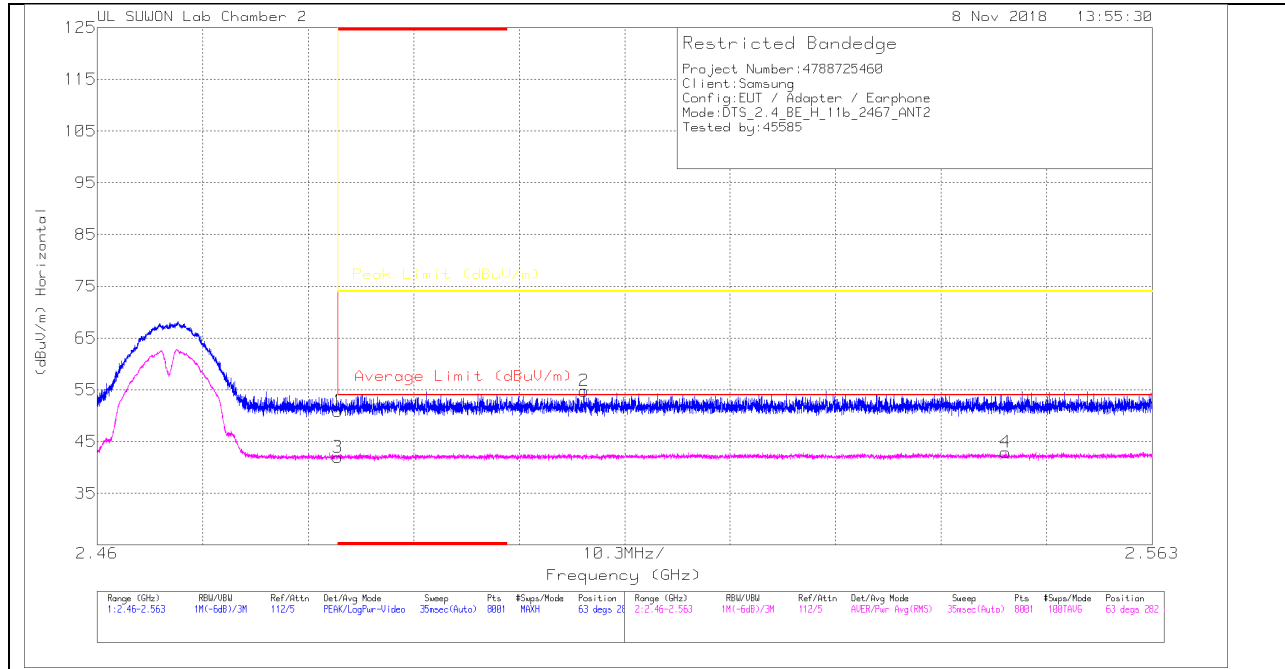
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	10dB(OB)	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	39.61	Pk	31.9	-20.6	0	50.91	-	-	74	-23.09	63	282	H
2	2.508	43.53	Pk	31.9	-20.6	0	54.83	-	-	74	-19.17	63	282	H
3	* 2.484	30.69	RMS	31.9	-20.6	0	41.99	54	-12.01	-	-	63	282	H
4	2.549	31.58	RMS	32	-20.6	0	42.98	54	-11.02	-	-	63	282	H

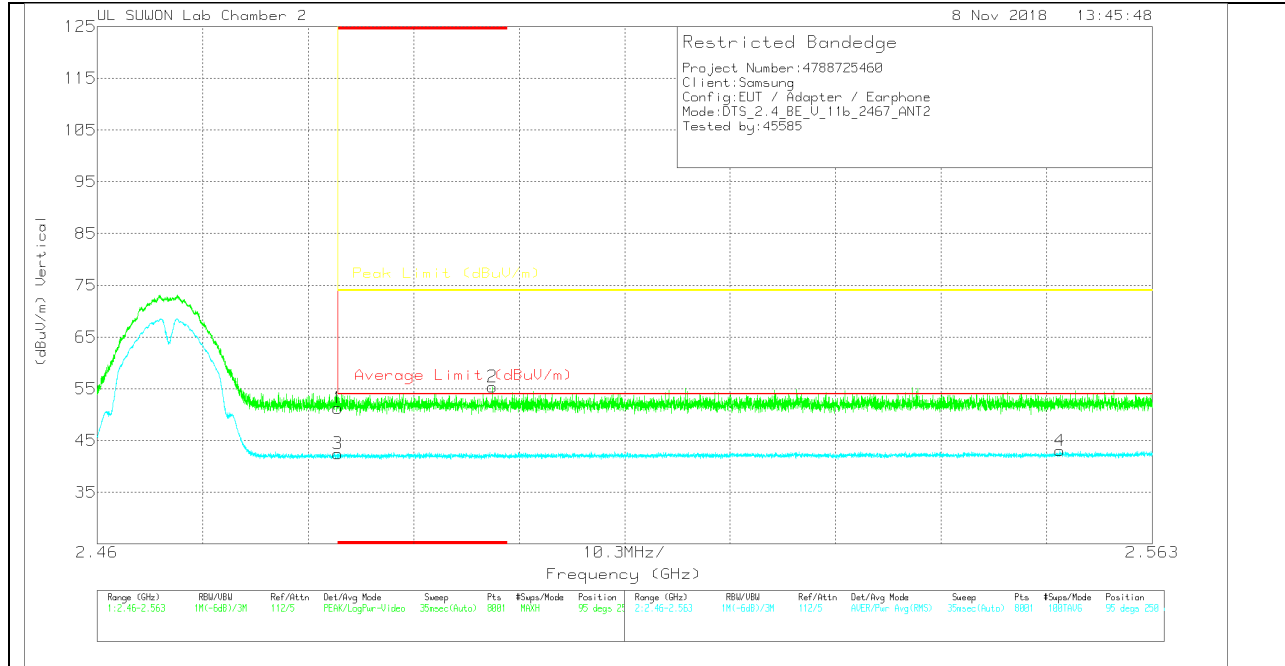
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asmuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.99	Pk	31.9	-20.6	0	51.29	-	-	74	-22.71	95	250	V
2	* 2.499	44.07	Pk	31.9	-20.6	0	55.37	-	-	74	-18.63	95	250	V
3	* 2.484	31.17	RMS	31.9	-20.6	0	42.47	54	-11.53	-	-	95	250	V
4	2.554	31.44	RMS	32	-20.4	0	43.04	54	-10.96	-	-	95	250	V

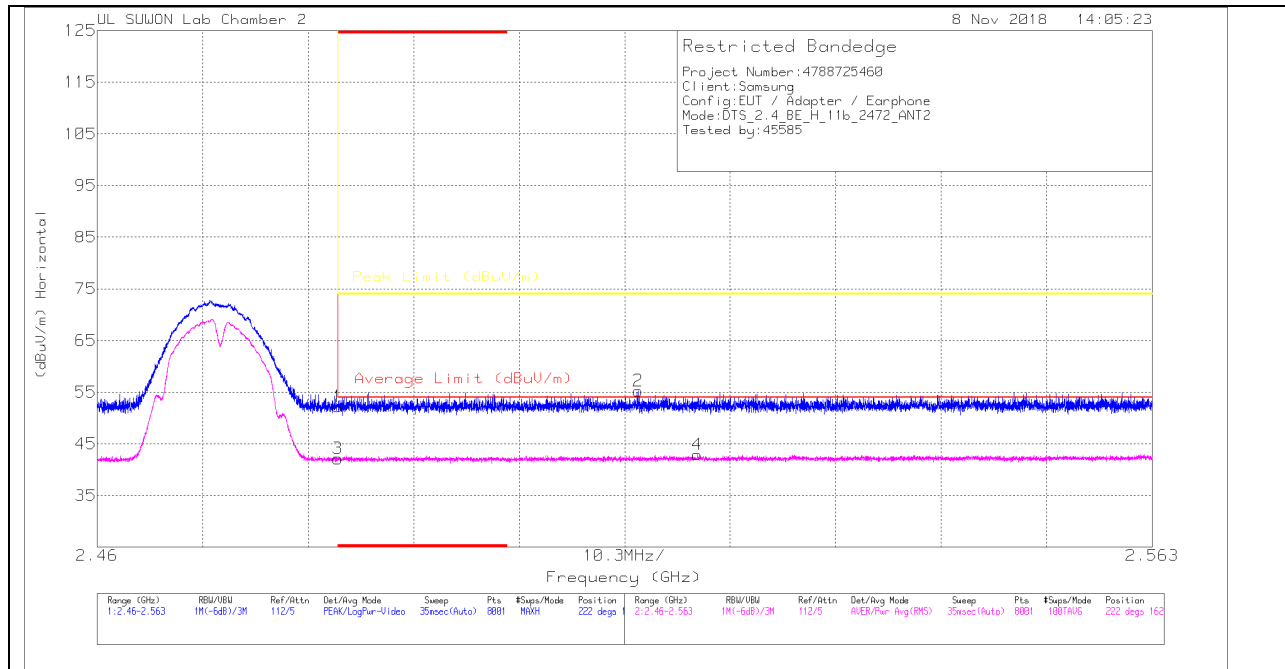
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (13 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

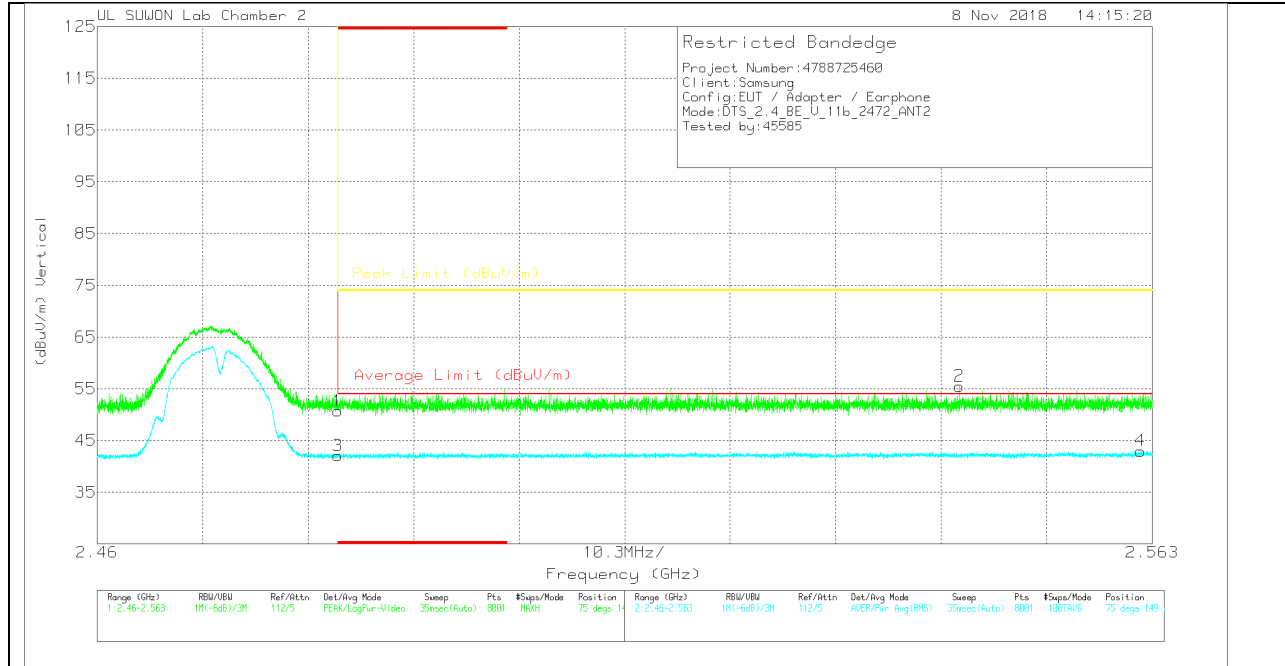
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.9	Pk	31.9	-20.6	0	52.2	-	-	74	-21.8	222	162	H
2	2.513	43.96	Pk	31.9	-20.6	0	55.26	-	-	74	-18.74	222	162	H
3	* 2.484	30.86	RMS	31.9	-20.6	0	42.16	54	-11.84	-	-	222	162	H
4	2.519	31.54	RMS	31.9	-20.5	0	42.94	54	-11.06	-	-	222	162	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.4	Pk	31.9	-20.6	0	50.7	-	-	74	-23.3	75	149	V
2	2.544	44.12	Pk	32	-20.6	0	55.52	-	-	74	-18.48	75	149	V
3	* 2.484	30.75	RMS	31.9	-20.6	0	42.05	54	-11.95	-	-	75	149	V
4	2.562	31.4	RMS	32	-20.4	0	43	54	-11	-	-	75	149	V

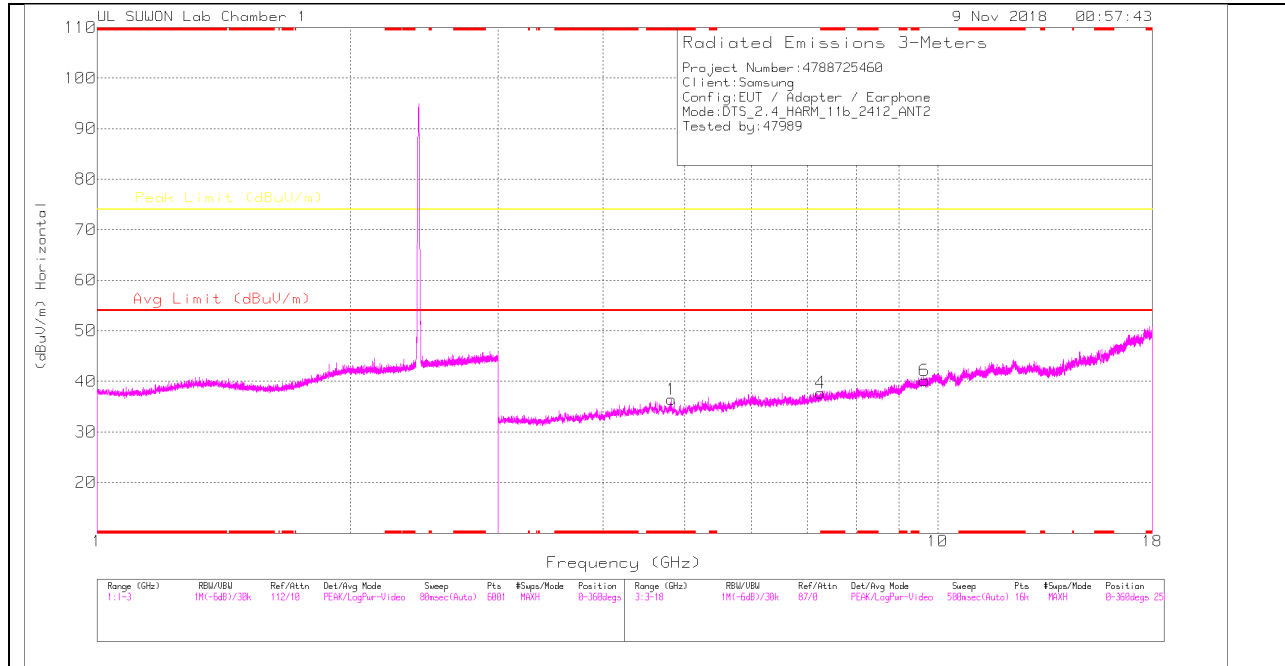
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

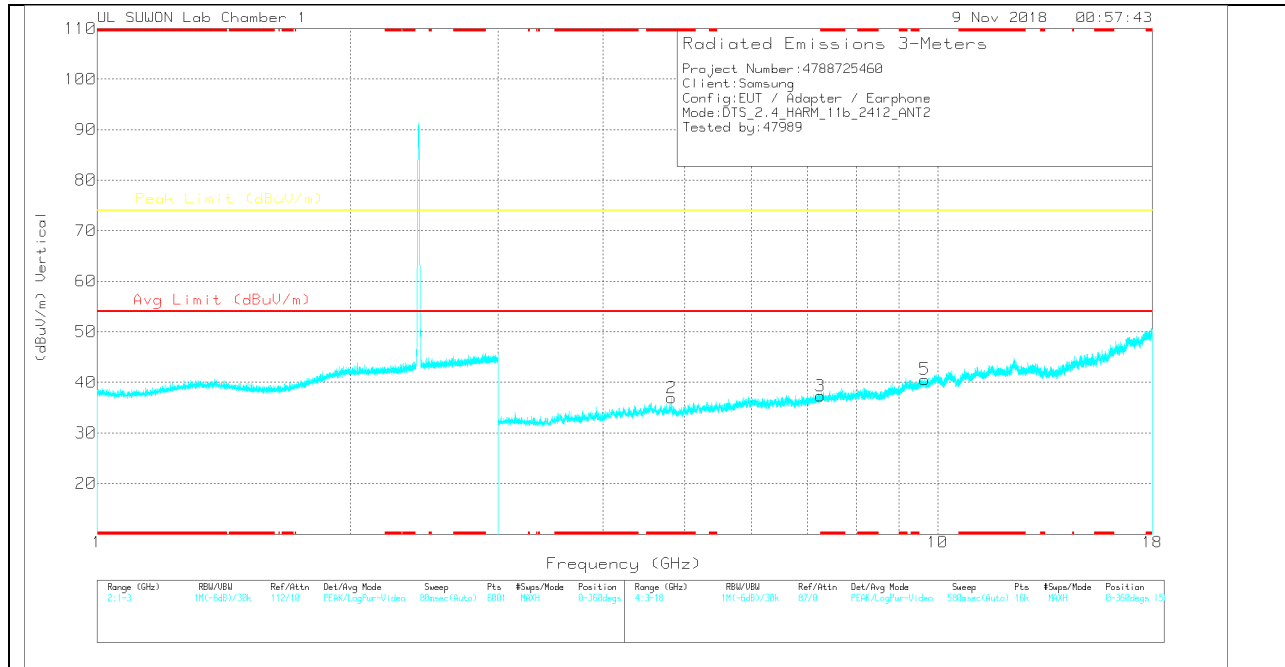
RMS - RMS detection

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



#### LOW CHANNEL VERTICAL



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

**LOW CHANNEL DATA**

Trace Markers

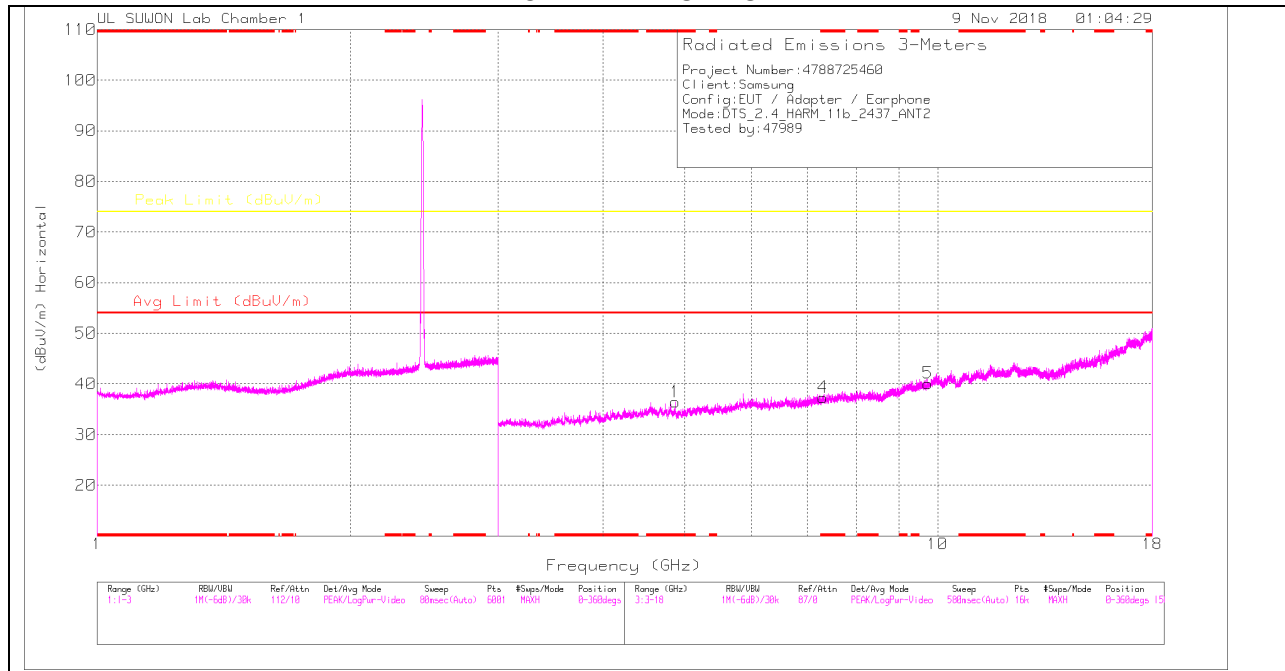
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.823	33.62	PK	34.2	-31.4	0	36.42	-	-	74	-37.58	0-360	150	H
4	* 7.25	29.6	PK	35.8	-27.7	0	37.7	-	-	74	-36.3	0-360	250	H
6	9.643	26.34	PK	37	-23.2	0	40.14	-	-	74	-33.86	0-360	150	H
2	* 4.824	34.13	PK	34.2	-31.4	0	36.93	-	-	74	-37.07	0-360	150	V
3	* 7.25	29.2	PK	35.8	-27.7	0	37.3	-	-	74	-36.7	0-360	250	V
5	9.646	26.68	PK	37.1	-23.2	0	40.58	-	-	74	-33.42	0-360	250	V

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

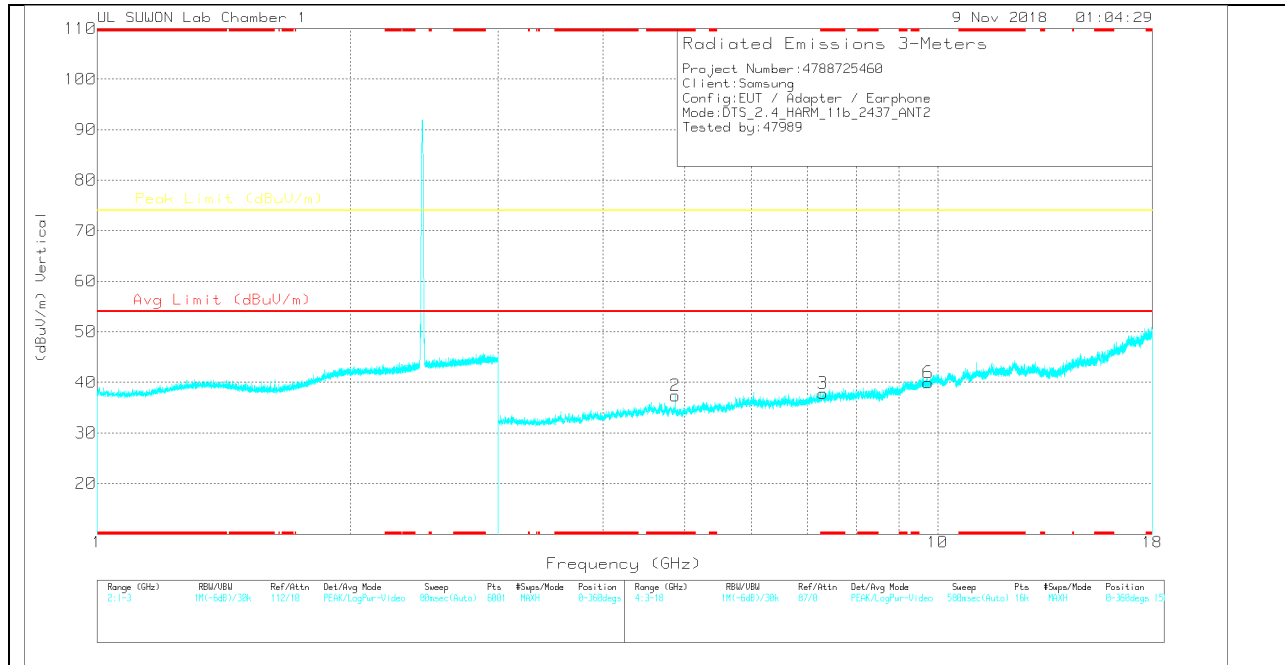
PK – Peak Detector

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

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_00168717	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	* 4.874	33.75	PK	34.2	-31.5	0	36.45	-	-	74	-37.55	0-360	250	H
4	* 7.302	29.03	PK	35.8	-27.5	0	37.33	-	-	74	-36.67	0-360	250	H
5	9.736	26.8	PK	37.2	-23.9	0	40.1	-	-	74	-33.9	0-360	250	H
2	* 4.874	34.69	PK	34.2	-31.5	0	37.39	-	-	74	-36.61	0-360	150	V
3	* 7.302	29.54	PK	35.8	-27.5	0	37.84	-	-	74	-36.16	0-360	150	V
6	9.744	26.64	PK	37.2	-23.9	0	39.94	-	-	74	-34.06	0-360	150	V

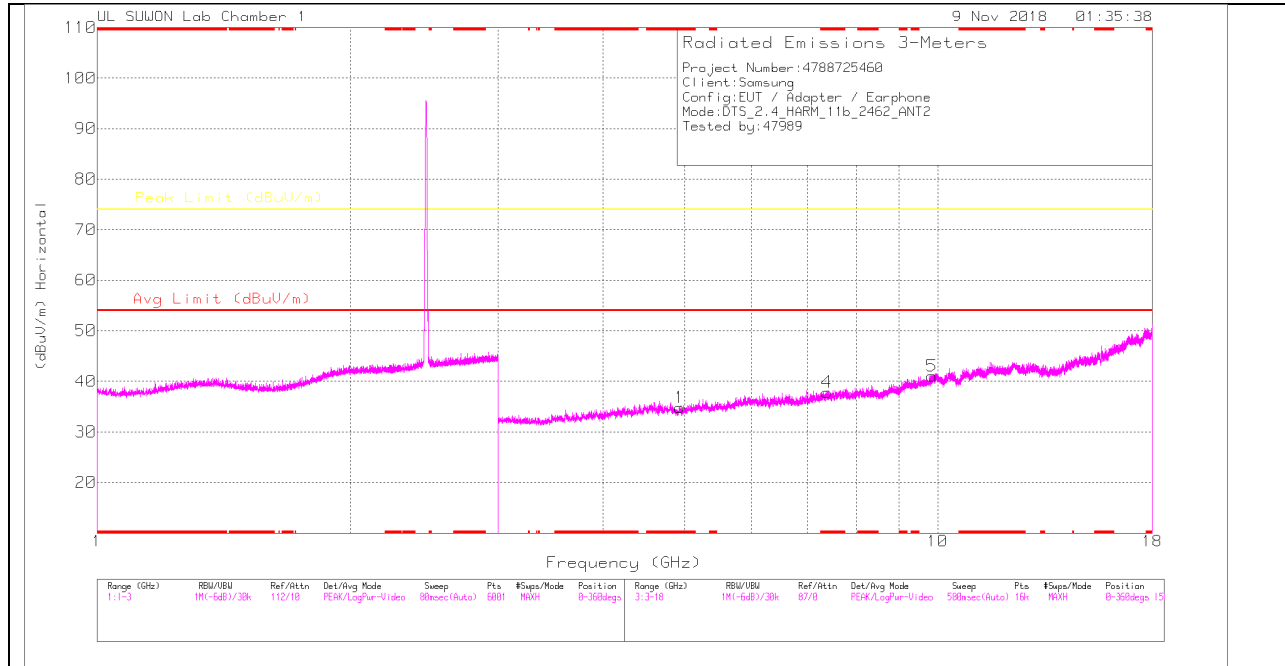
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

Radiated Emissions

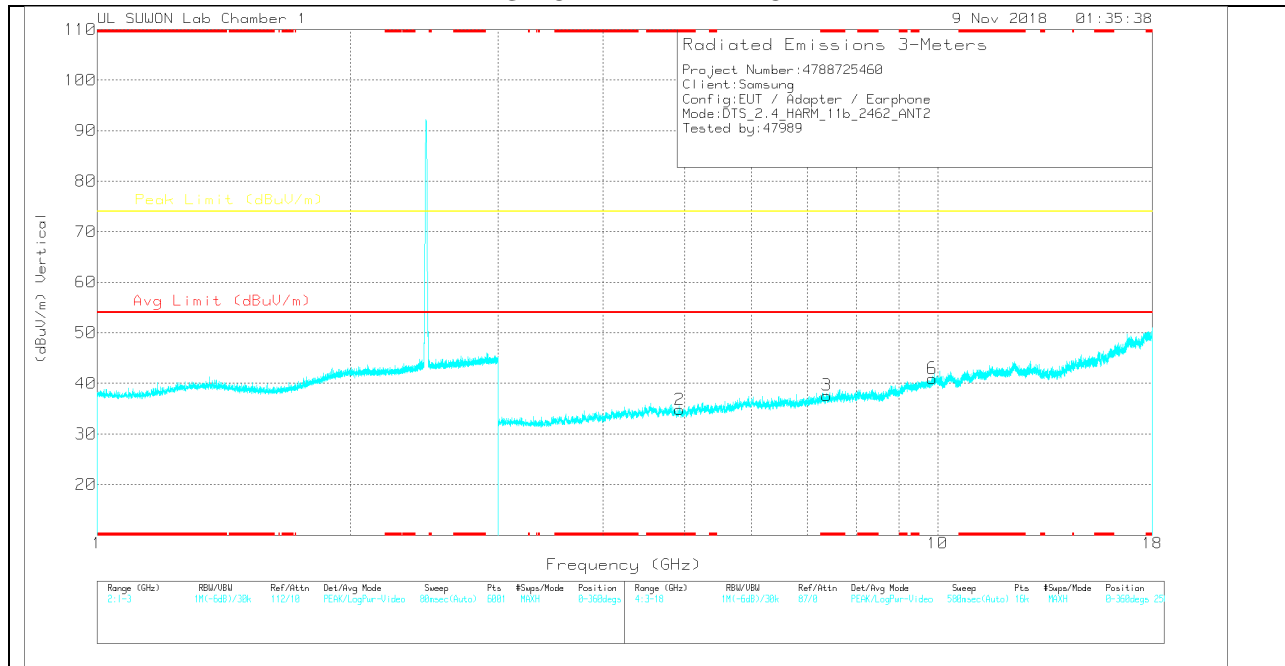
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.874	43.91	PK2	34.2	-31.5	0	46.61	-	-	74	-27.39	86	349	H
* 4.874	36.07	MAv1	34.2	-31.5	0	38.77	54	-15.23	-	-	86	349	H
* 4.874	42.68	PK2	34.2	-31.5	0	45.38	-	-	74	-28.62	225	112	V
* 4.874	33.3	MAv1	34.2	-31.5	0	36	54	-18	-	-	225	112	V

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

### HIGH CHANNEL HORIZONTAL



### 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_00168717	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	* 4.932	32.11	PK	34.2	-31.5	0	34.81	-	-	74	-39.19	0-360	250	H
4	* 7.386	29.04	PK	35.8	-27	0	37.84	-	-	74	-36.16	0-360	150	H
5	9.843	26.84	PK	37.4	-23.2	0	41.04	-	-	74	-32.96	0-360	250	H
2	* 4.929	32.2	PK	34.2	-31.6	0	34.8	-	-	74	-39.2	0-360	250	V
3	* 7.383	28.82	PK	35.8	-27	0	37.62	-	-	74	-36.38	0-360	150	V
6	9.849	26.74	PK	37.4	-23.2	0	40.94	-	-	74	-33.06	0-360	150	V

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

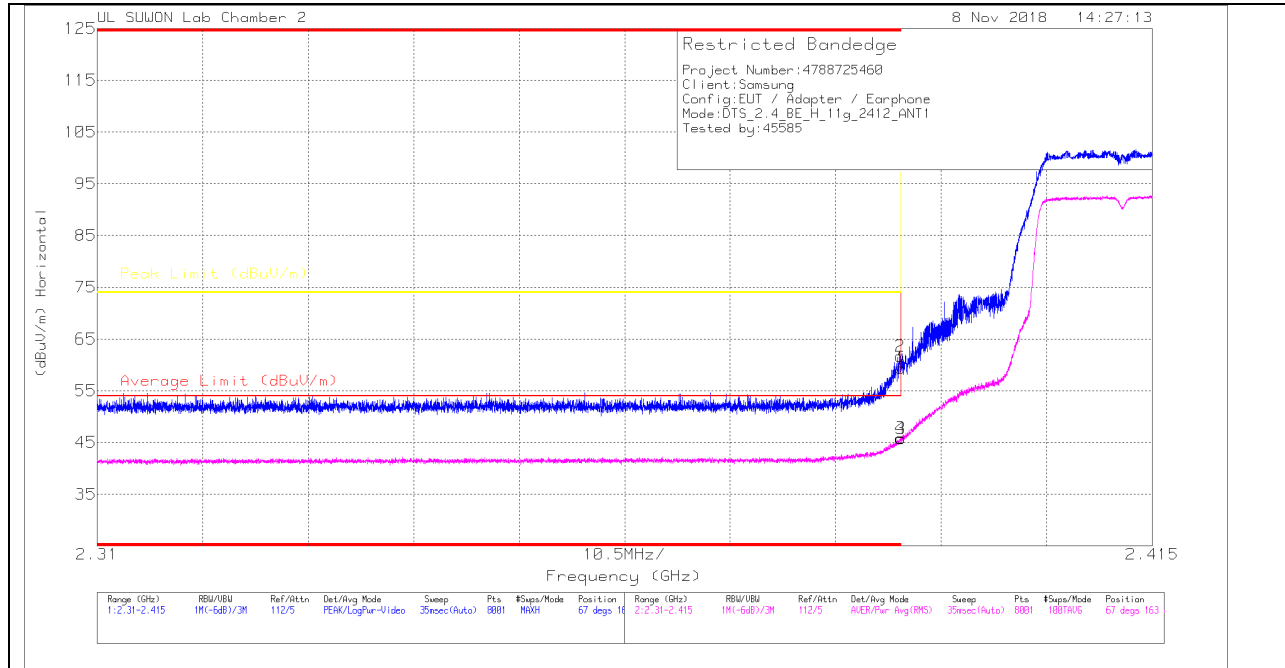
PK – Peak detector

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

11.2.3. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND ANTENNA1

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

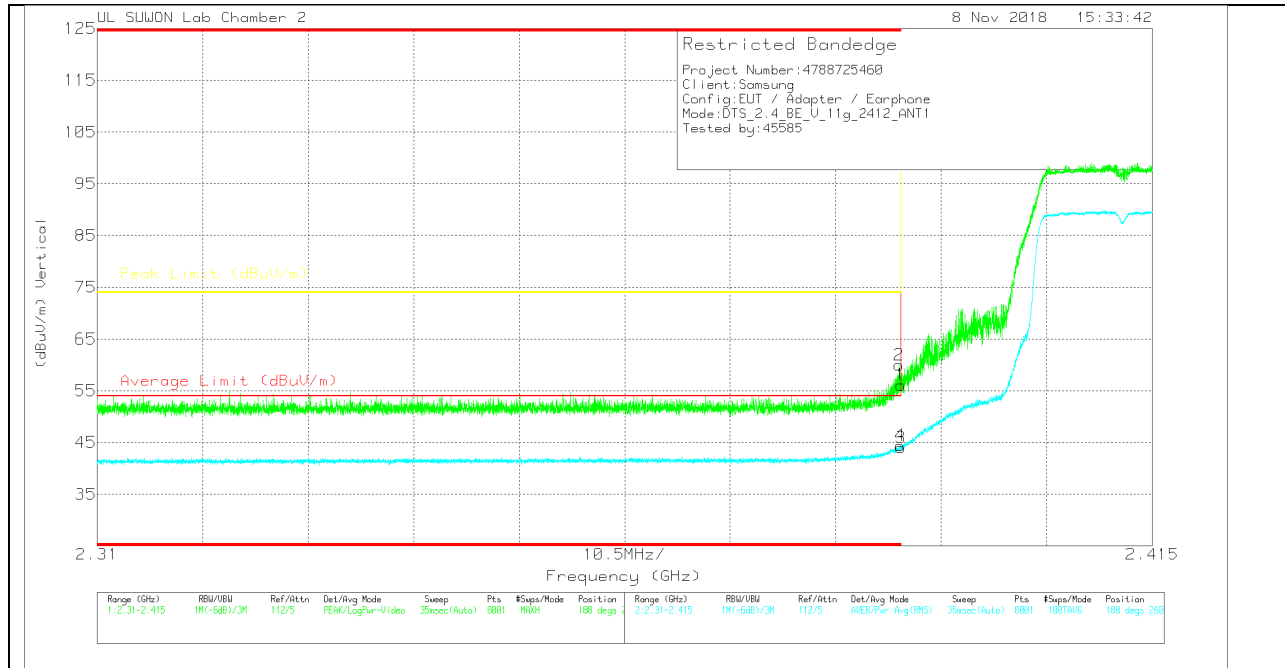
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Deg)	Height (cm)	Polarity
1	* 2.39	48.55	Pk	31.6	-20.8	0	59.35	-	-	74	-14.65	67	163	H
2	* 2.39	50.89	Pk	31.6	-20.8	0	61.69	-	-	74	-12.31	67	163	H
3	* 2.39	34.96	RMS	31.6	-20.8	0	45.76	54	-8.24	-	-	67	163	H
4	* 2.39	35.07	RMS	31.6	-20.8	0	45.87	54	-8.13	-	-	67	163	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.34	Pk	31.6	-20.8	0	56.14	-	-	74	-17.86	188	260	V
2	* 2.39	49.18	Pk	31.6	-20.8	0	59.98	-	-	74	-14.02	188	260	V
3	* 2.39	33.22	RMS	31.6	-20.8	0	44.02	54	-9.98	-	-	188	260	V
4	* 2.39	33.63	RMS	31.6	-20.8	0	44.43	54	-9.57	-	-	188	260	V

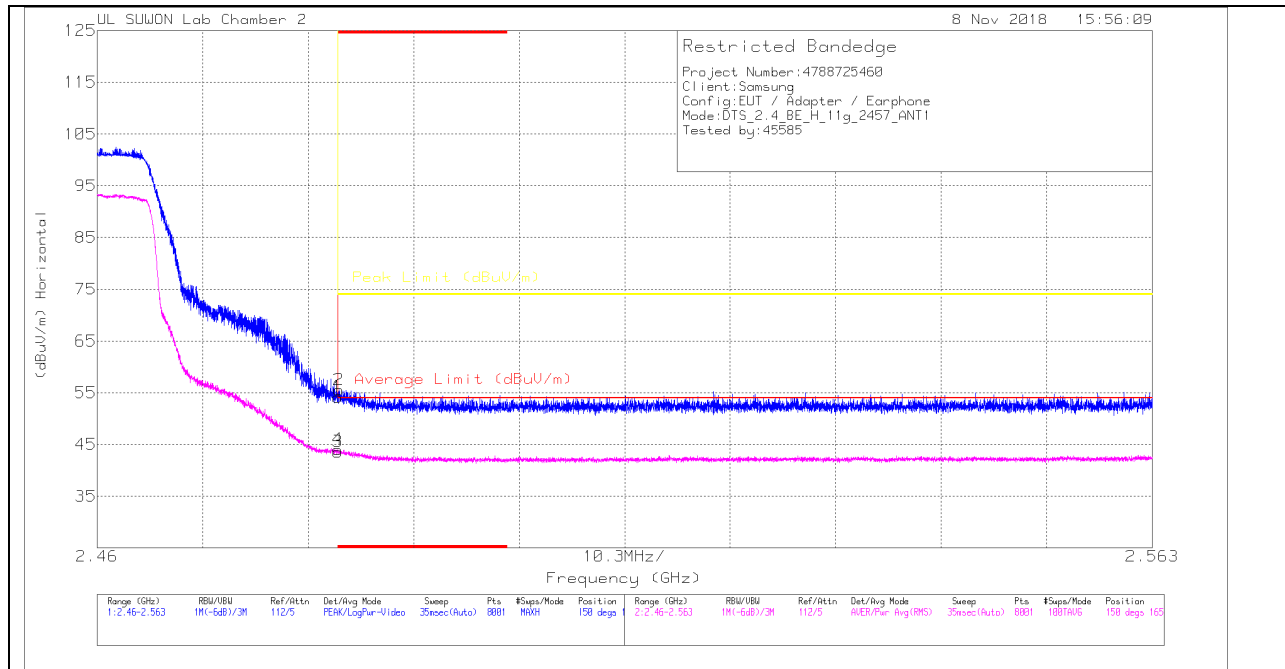
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Trace Markers

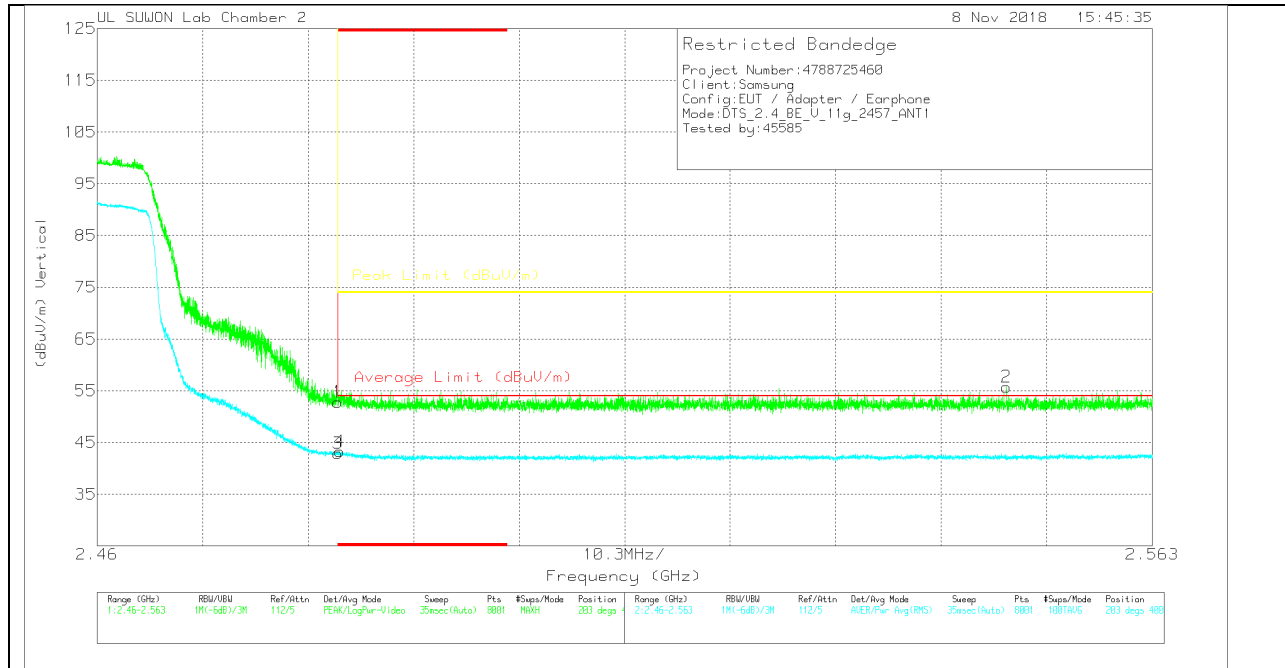
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.89	Pk	31.9	-20.6	0	54.19	-	-	74	-19.81	150	165	H
2	* 2.484	44.28	Pk	31.9	-20.6	0	55.58	-	-	74	-18.42	150	165	H
3	* 2.484	32.3	RMS	31.9	-20.6	0	43.6	54	-10.4	-	-	150	165	H
4	* 2.484	32.76	RMS	31.9	-20.6	0	44.06	54	-9.94	-	-	150	165	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.53	Pk	31.9	-20.6	0	52.83	-	-	74	-21.17	203	400	V
2	2.549	44.34	Pk	32	-20.6	0	55.74	-	-	74	-18.26	203	400	V
3	* 2.484	31.64	RMS	31.9	-20.6	0	42.94	54	-11.06	-	-	203	400	V
4	* 2.484	32	RMS	31.9	-20.6	0	43.3	54	-10.7	-	-	203	400	V

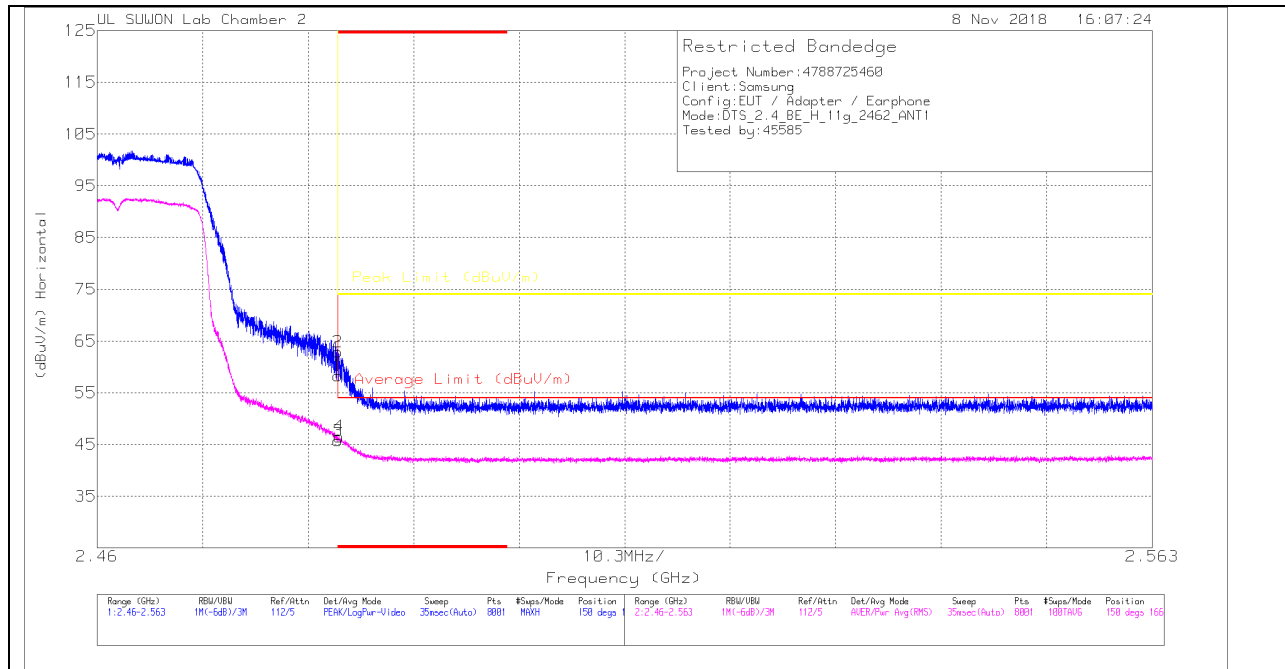
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (11 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

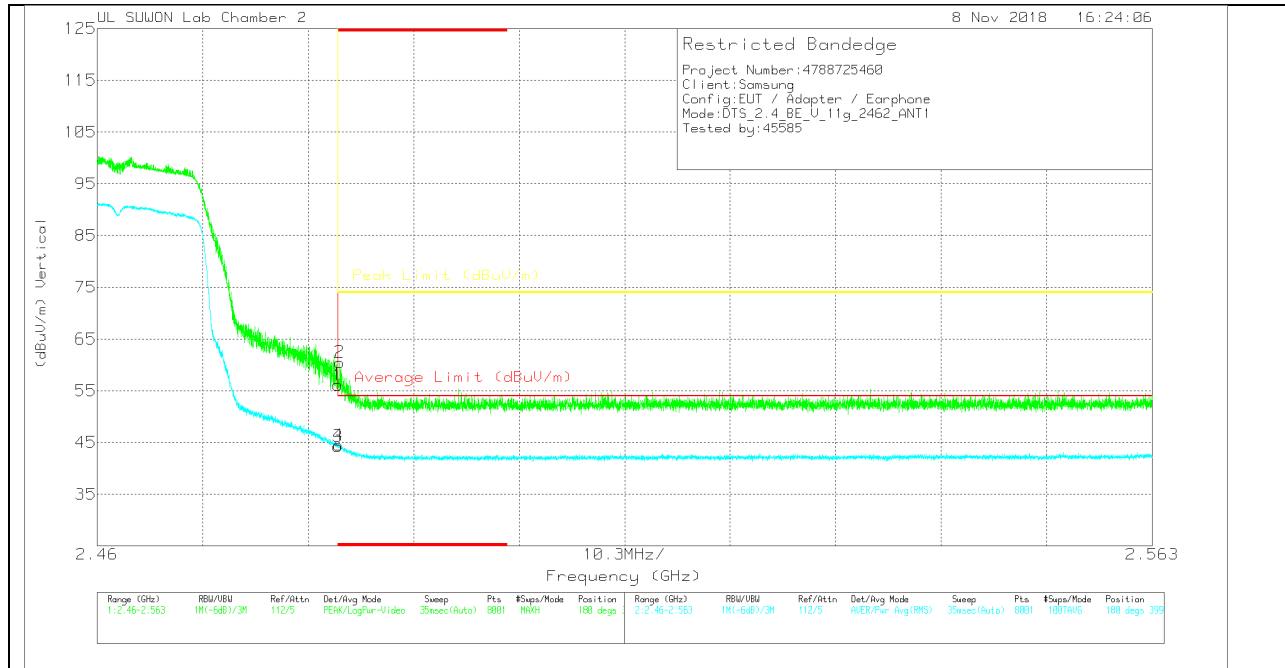
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Deg)	Height (cm)	Polarity
1	* 2.484	47	Pk	31.9	-20.6	0	58.3	-	-	74	-15.7	150	166	H
2	* 2.484	51.58	Pk	31.9	-20.6	0	62.88	-	-	74	-11.12	150	166	H
3	* 2.484	34.41	RMS	31.9	-20.6	0	45.71	54	-8.29	-	-	150	166	H
4	* 2.484	35.24	RMS	31.9	-20.6	0	46.54	54	-7.46	-	-	150	166	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.86	Pk	31.9	-20.6	0	56.16	-	-	74	-17.84	180	399	V
2	* 2.484	49.21	Pk	31.9	-20.6	0	60.51	-	-	74	-13.49	180	399	V
3	* 2.484	32.99	RMS	31.9	-20.6	0	44.29	54	-9.71	-	-	180	399	V
4	* 2.484	33.22	RMS	31.9	-20.6	0	44.52	54	-9.48	-	-	180	399	V

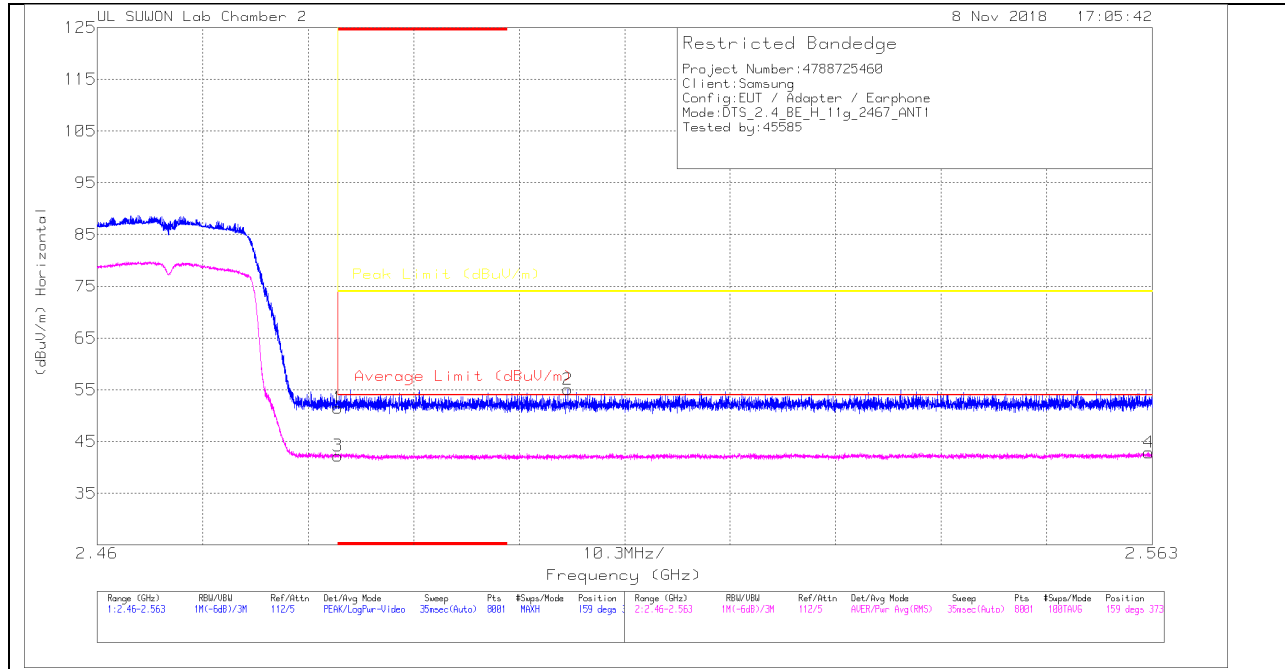
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	10dB(OB)	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	40.22	Pk	31.9	-20.6	0	51.52	-	-	74	-22.48	159	373	H
2	2.506	43.81	Pk	31.9	-20.6	0	55.11	-	-	74	-18.89	159	373	H
3	* 2.484	30.95	RMS	31.9	-20.6	0	42.25	54	-11.75	-	-	159	373	H
4	2.563	31.19	RMS	32	-20.3	0	42.89	54	-11.11	-	-	159	373	H

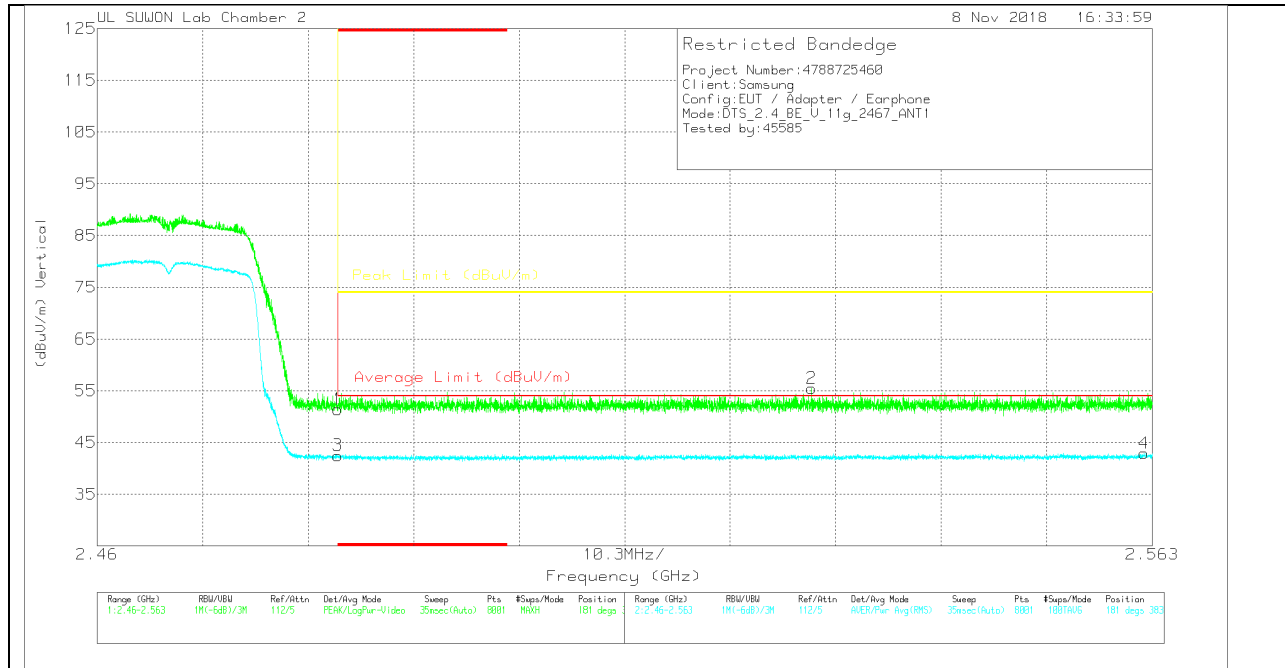
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.12	Pk	31.9	-20.6	0	51.42	-	-	74	-22.58	181	383	V
2	2.53	44.09	Pk	32	-20.6	0	55.49	-	-	74	-18.51	181	383	V
3	* 2.484	31.2	RMS	31.9	-20.6	0	42.5	54	-11.5	-	-	181	383	V
4	2.562	31.23	RMS	32	-20.3	0	42.93	54	-11.07	-	-	181	383	V

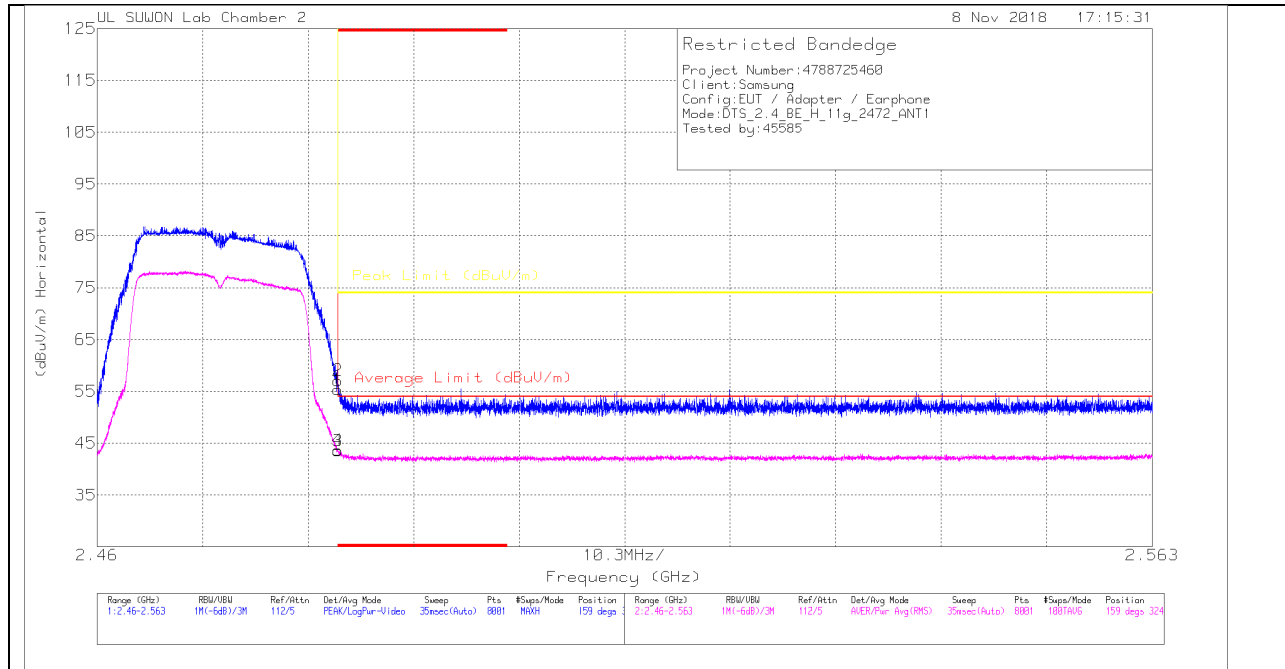
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (13 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



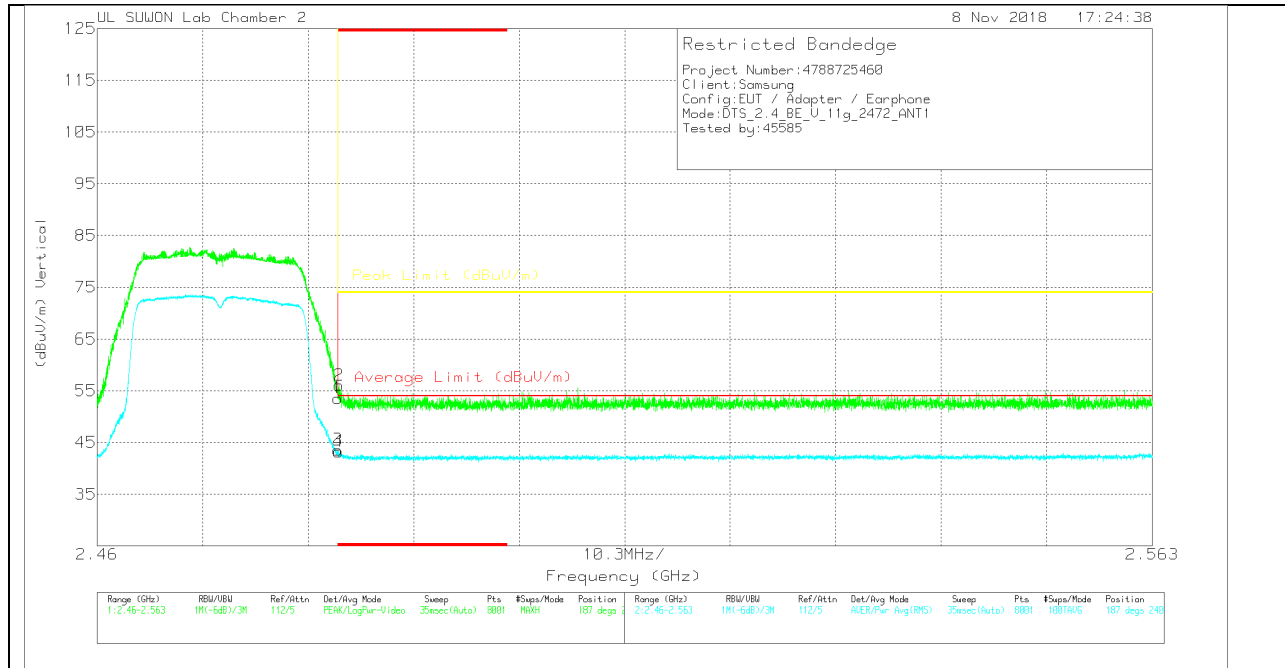
**HORIZONTAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.05	PK	31.9	-20.6	0	55.35	-	-	74	-18.65	159	324	H
2	* 2.484	45.77	PK	31.9	-20.6	0	57.07	-	-	74	-16.93	159	324	H
3	* 2.484	32.25	RMS	31.9	-20.6	0	43.55	54	-10.45	-	-	159	324	H
4	* 2.484	32.34	RMS	31.9	-20.6	0	43.64	54	-10.36	-	-	159	324	H

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

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.29	Pk	31.9	-20.6	0	53.59	-	-	74	-20.41	187	240	V
2	* 2.484	44.78	Pk	31.9	-20.6	0	56.08	-	-	74	-17.92	187	240	V
3	* 2.484	32.27	RMS	31.9	-20.6	0	43.57	54	-10.43	-	-	187	240	V
4	* 2.484	31.96	RMS	31.9	-20.6	0	43.26	54	-10.74	-	-	187	240	V

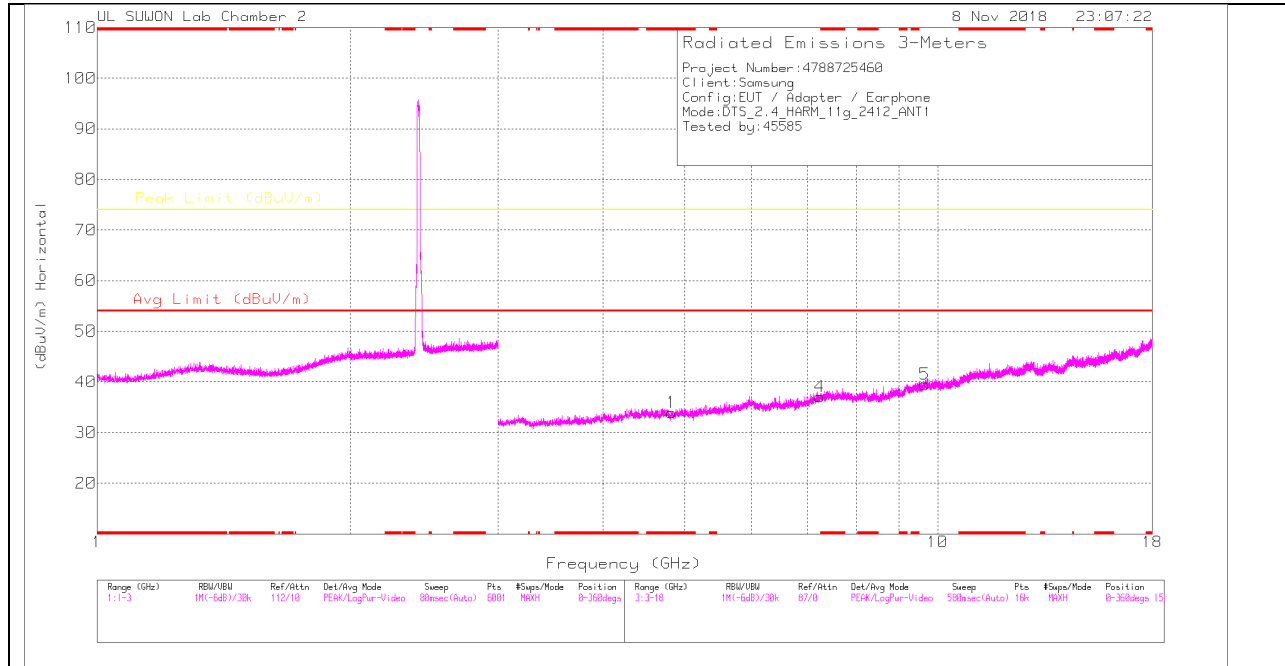
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

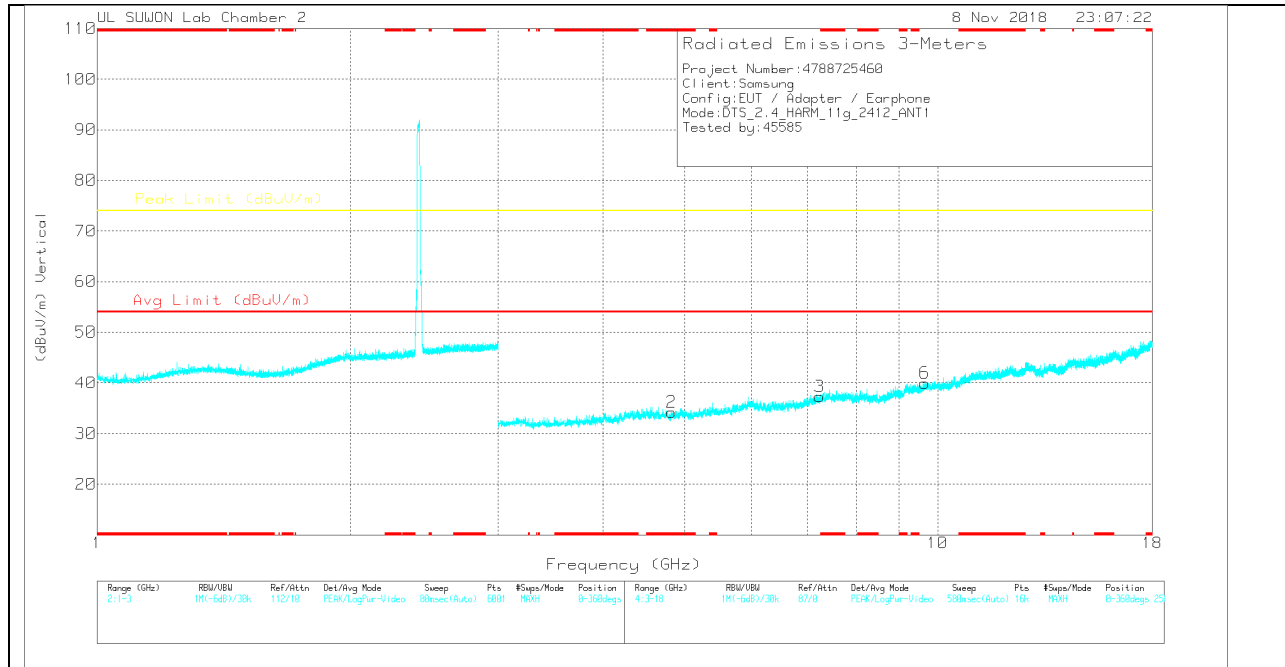
RMS - RMS detection

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



#### LOW CHANNEL VERTICAL



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

**LOW CHANNEL DATA**

Trace Markers

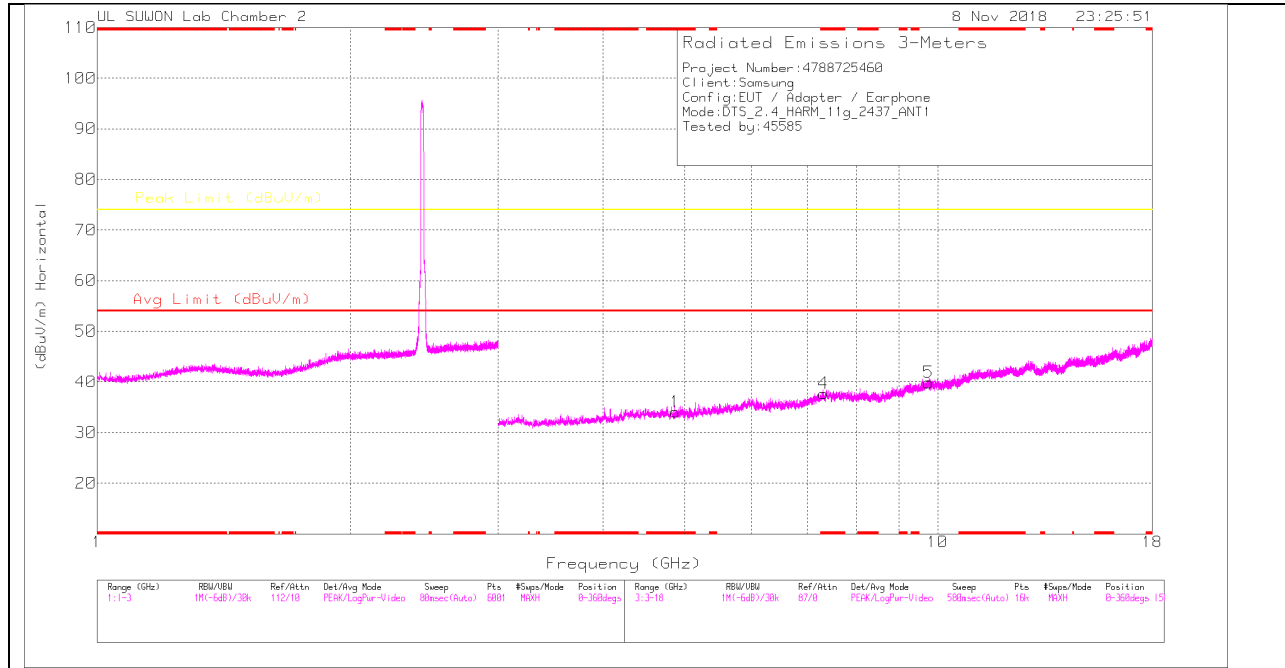
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.825	28.12	PK	34	-28.2	0	33.92	-	-	74	-40.08	0-360	150	H
4	7.236	26.47	PK	36.1	-25.5	0	37.07	-	-	74	-36.93	0-360	250	H
5	9.649	24.11	PK	37	-21.6	0	39.51	-	-	74	-34.49	0-360	150	H
2	* 4.822	28.41	PK	34	-28.2	0	34.21	-	-	74	-39.79	0-360	250	V
3	7.235	26.7	PK	36.1	-25.5	0	37.3	-	-	74	-36.7	0-360	250	V
6	9.647	24.67	PK	37	-21.7	0	39.97	-	-	74	-34.03	0-360	250	V

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

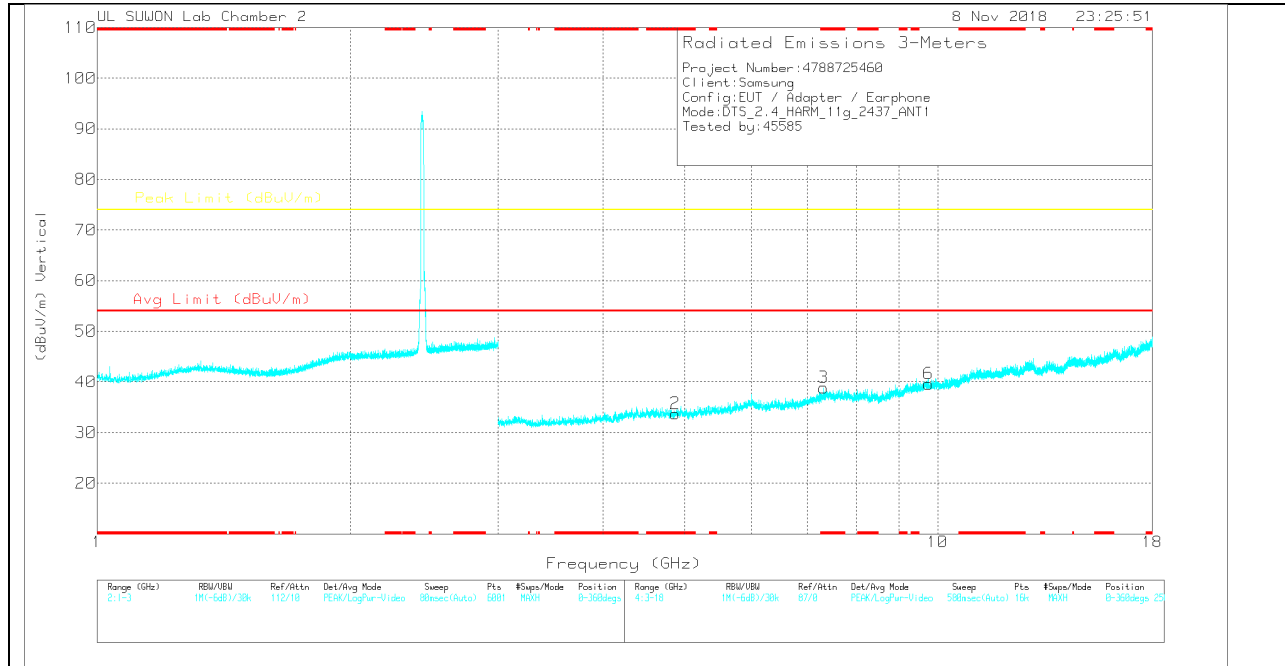
PK – Peak Detector

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

**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**

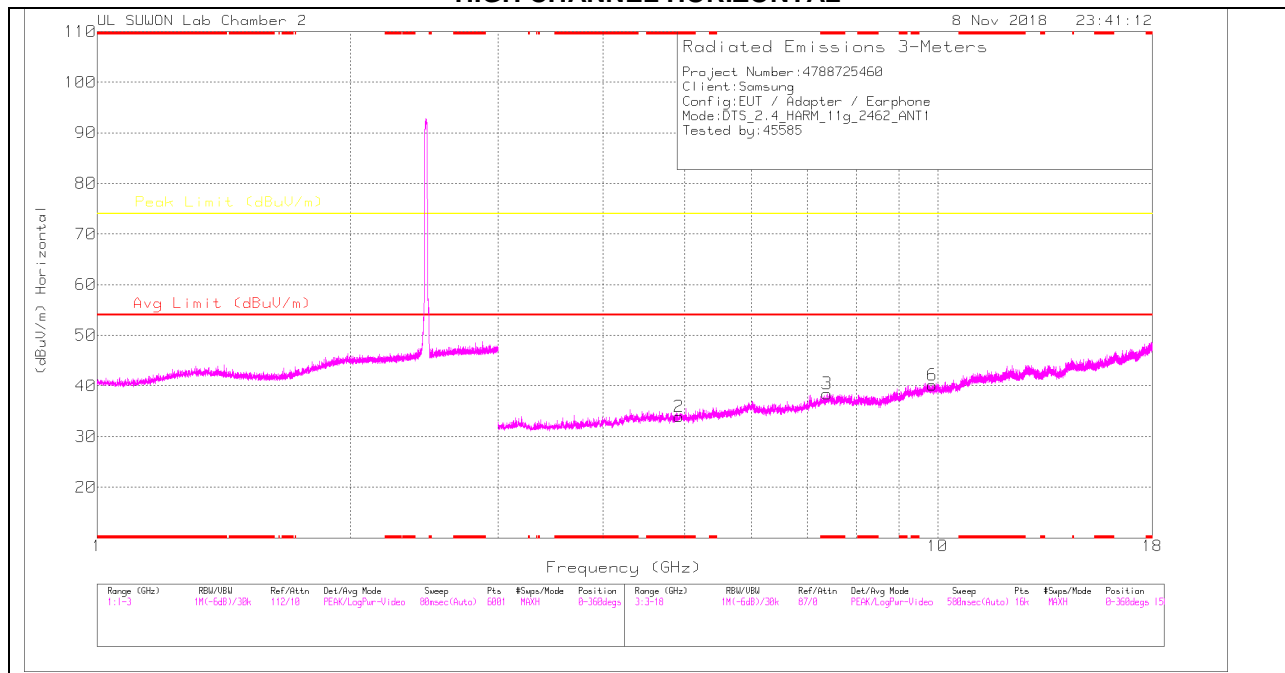
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875	28.04	PK	34	-28	0	34.04	-	-	74	-39.96	0-360	250	H
4	* 7.311	26.52	PK	36.2	-25	0	37.72	-	-	74	-36.28	0-360	250	H
5	9.75	24.17	PK	37.2	-21.5	0	39.87	-	-	74	-34.13	0-360	250	H
2	* 4.873	27.75	PK	34	-28	0	33.75	-	-	74	-40.25	0-360	250	V
3	* 7.311	27.67	PK	36.2	-25	0	38.87	-	-	74	-35.13	0-360	250	V
6	9.749	23.82	PK	37.2	-21.4	0	39.62	-	-	74	-34.38	0-360	150	V

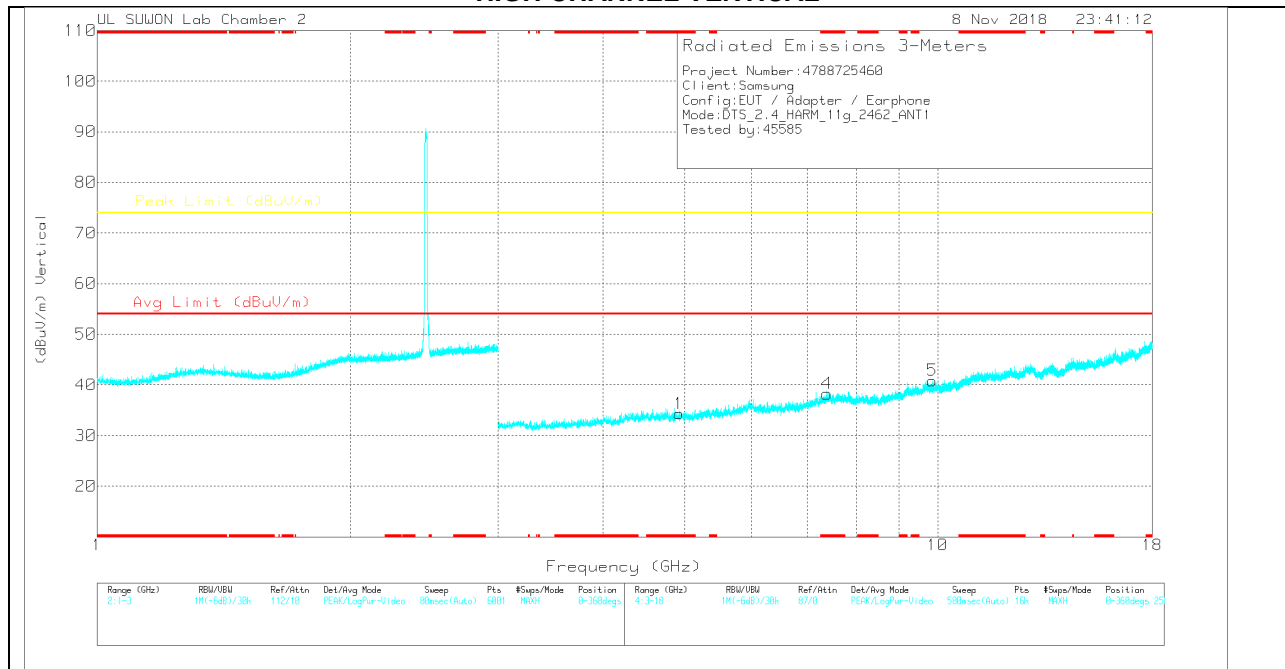
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

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

**HIGH CHANNEL HORIZONTAL**



**HIGH CHANNEL VERTICAL**



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



**HIGH CHANNEL DATA**

Trace Markers

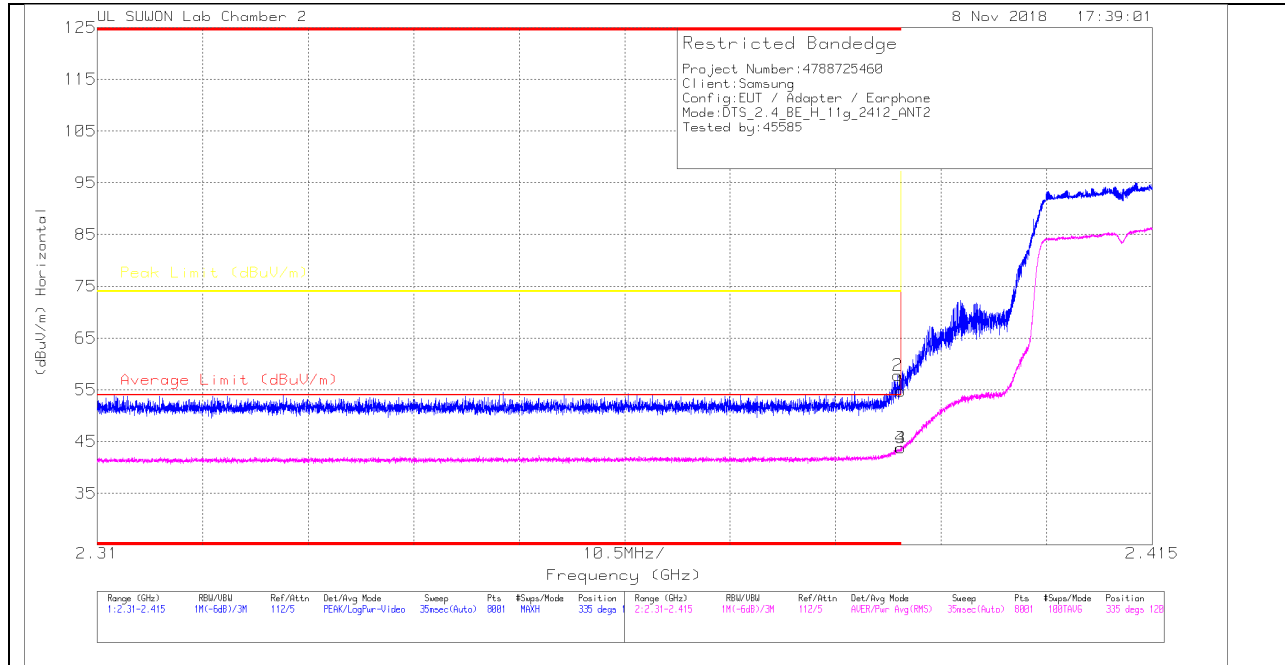
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.924	27.23	PK	34	-27.3	0	33.93	-	-	74	-40.07	0-360	250	H
3	* 7.385	26.56	PK	36.2	-24.3	0	38.46	-	-	74	-35.54	0-360	250	H
6	9.849	24.67	PK	37.3	-21.8	0	40.17	-	-	74	-33.83	0-360	250	H
1	* 4.926	27.49	PK	34	-27.2	0	34.29	-	-	74	-39.71	0-360	150	V
4	* 7.385	26.35	PK	36.2	-24.3	0	38.25	-	-	74	-35.75	0-360	150	V
5	9.849	25.35	PK	37.3	-21.8	0	40.85	-	-	74	-33.15	0-360	250	V

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

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

**RESTRICTED BANDEDGE (LOW CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Trace Markers

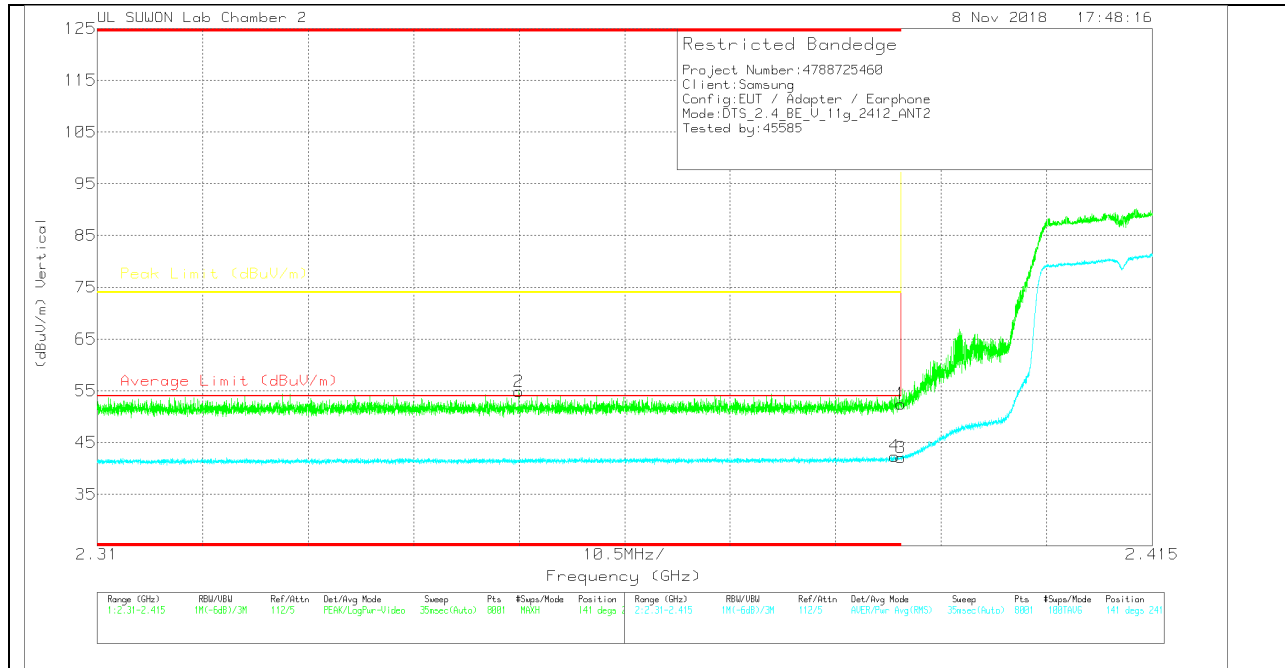
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[db]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.93	Pk	31.6	-20.8	0	54.73	-	-	74	-19.27	335	120	H
2	* 2.39	47	Pk	31.6	-20.8	0	57.8	-	-	74	-16.2	335	120	H
3	* 2.39	33	RMS	31.6	-20.8	0	43.8	54	-10.2	-	-	335	120	H
4	* 2.39	32.96	RMS	31.6	-20.8	0	43.76	54	-10.24	-	-	335	120	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.68	Pk	31.6	-20.8	0	52.48	-	-	74	-21.52	141	241	V
2	* 2.352	44.15	Pk	31.6	-20.9	0	54.85	-	-	74	-19.15	141	241	V
3	* 2.39	31.29	RMS	31.6	-20.8	0	42.09	54	-11.91	-	-	141	241	V
4	* 2.389	31.59	RMS	31.6	-20.8	0	42.39	54	-11.61	-	-	141	241	V

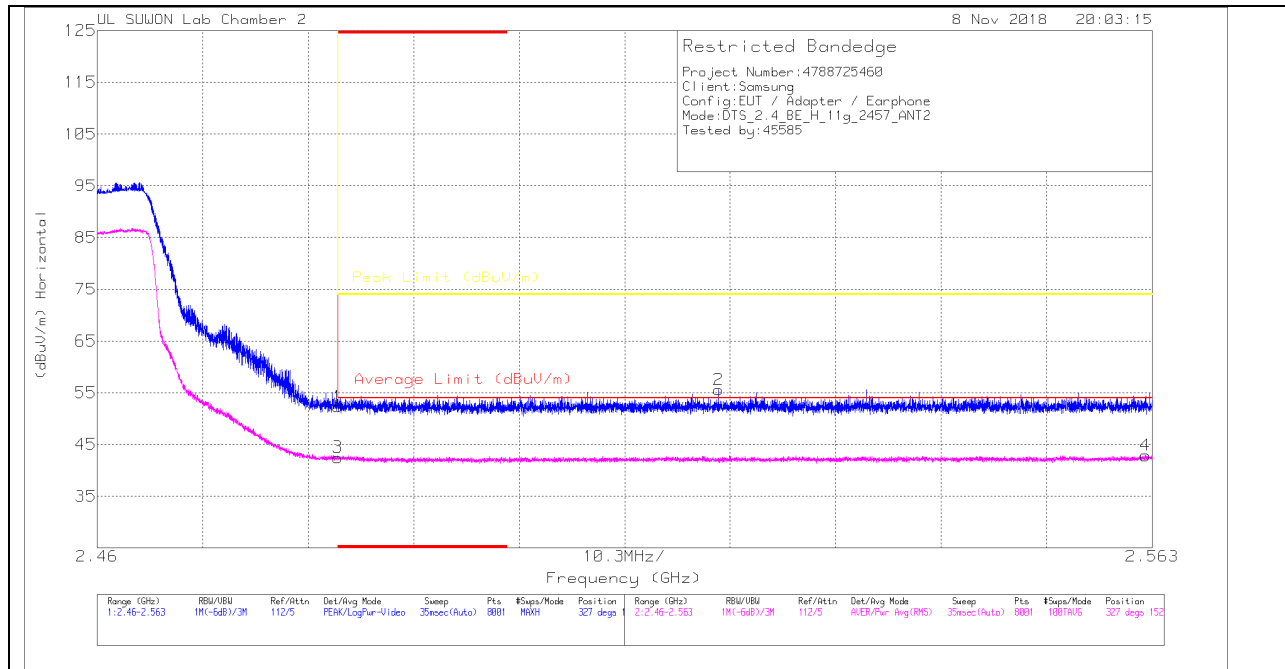
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41	PK	31.9	-20.6	0	52.3	-	-	74	-21.7	327	152	H
2	2.521	44.3	PK	31.9	-20.6	0	55.6	-	-	74	-18.4	327	152	H
3	* 2.484	31.2	RMS	31.9	-20.6	0	42.5	54	-11.5	-	-	327	152	H
4	2.562	31.2	RMS	32	-20.3	0	42.9	54	-11.1	-	-	327	152	H

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

PK - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asmuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.67	Pk	31.9	-20.6	0	52.97	-	-	74	-21.03	93	151	V
2	2.504	44	Pk	31.9	-20.6	0	55.3	-	-	74	-18.7	93	151	V
3	* 2.484	30.82	RMS	31.9	-20.6	0	42.12	54	-11.88	-	-	93	151	V
4	2.555	31.56	RMS	32	-20.5	0	43.06	54	-10.94	-	-	93	151	V

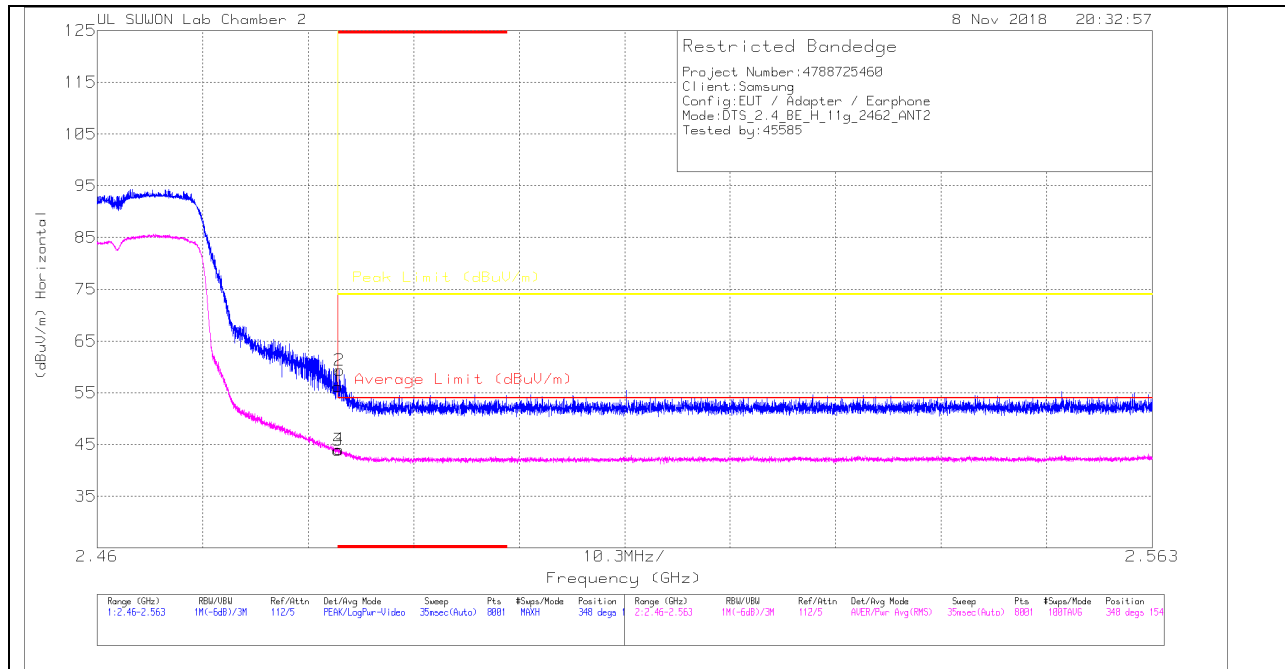
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (11 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

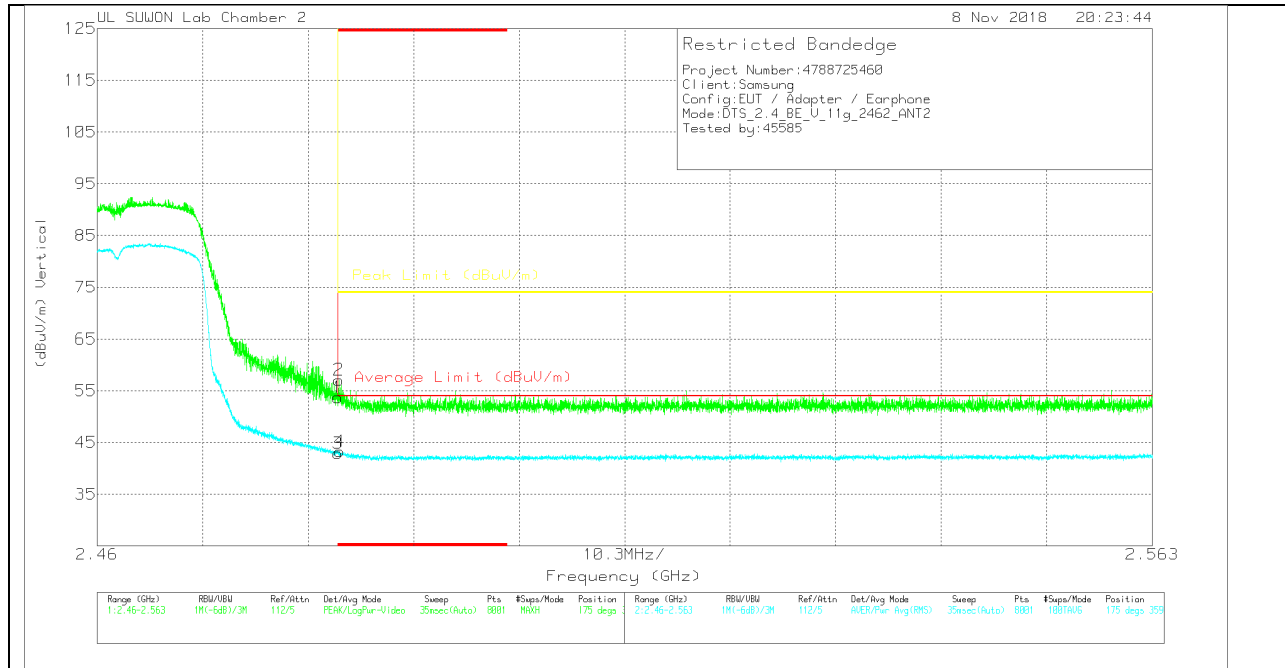
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.95	Pk	31.9	-20.6	0	56.25	-	-	74	-17.75	348	154	H
2	* 2.484	48.06	Pk	31.9	-20.6	0	59.36	-	-	74	-14.64	348	154	H
3	* 2.484	32.64	RMS	31.9	-20.6	0	43.94	54	-10.06	-	-	348	154	H
4	* 2.484	32.75	RMS	31.9	-20.6	0	44.05	54	-9.95	-	-	348	154	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.43	Pk	31.9	-20.6	0	53.73	-	-	74	-20.27	175	359	V
2	* 2.484	45.79	Pk	31.9	-20.6	0	57.09	-	-	74	-16.91	175	359	V
3	* 2.484	31.62	RMS	31.9	-20.6	0	42.92	54	-11.08	-	-	175	359	V
4	* 2.484	31.98	RMS	31.9	-20.6	0	43.28	54	-10.72	-	-	175	359	V

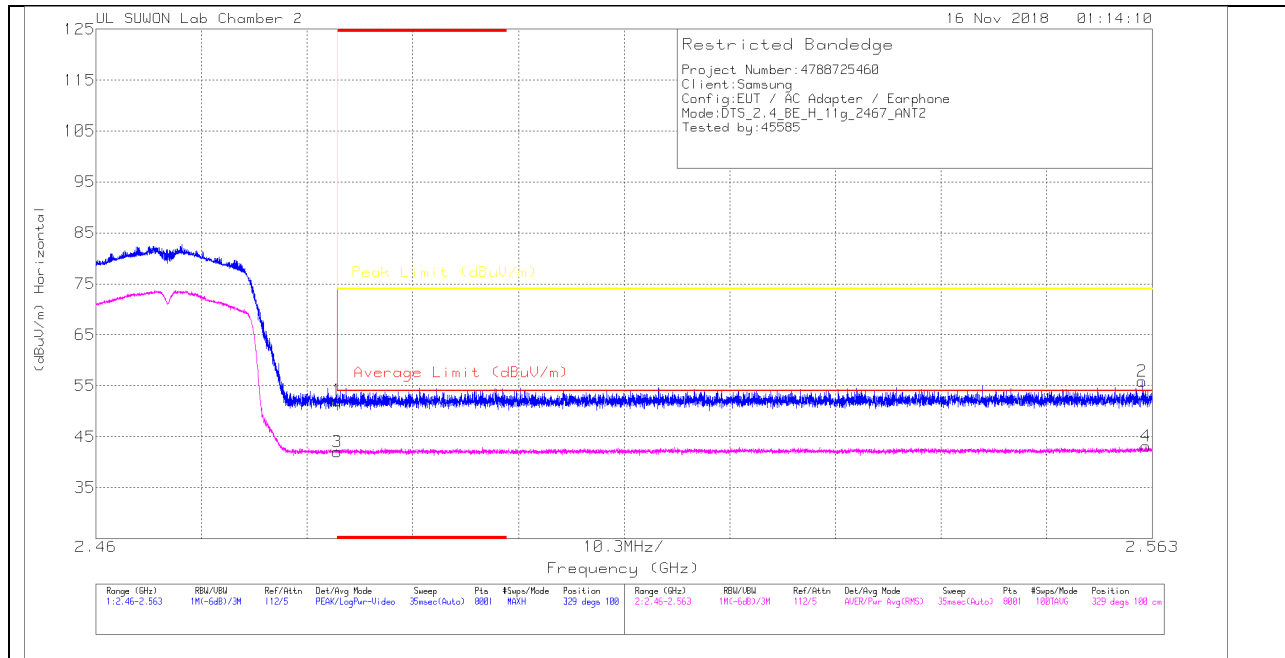
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.82	Pk	31.9	-20.6	0	52.12	-	-	74	-21.88	329	100	H
2	2.562	44.18	Pk	32	-20.3	0	55.88	-	-	74	-18.12	329	100	H
3	* 2.484	30.7	RMS	31.9	-20.6	0	42	54	-12	-	-	329	100	H
4	2.562	31.48	RMS	32	-20.3	0	43.18	54	-10.82	-	-	329	100	H

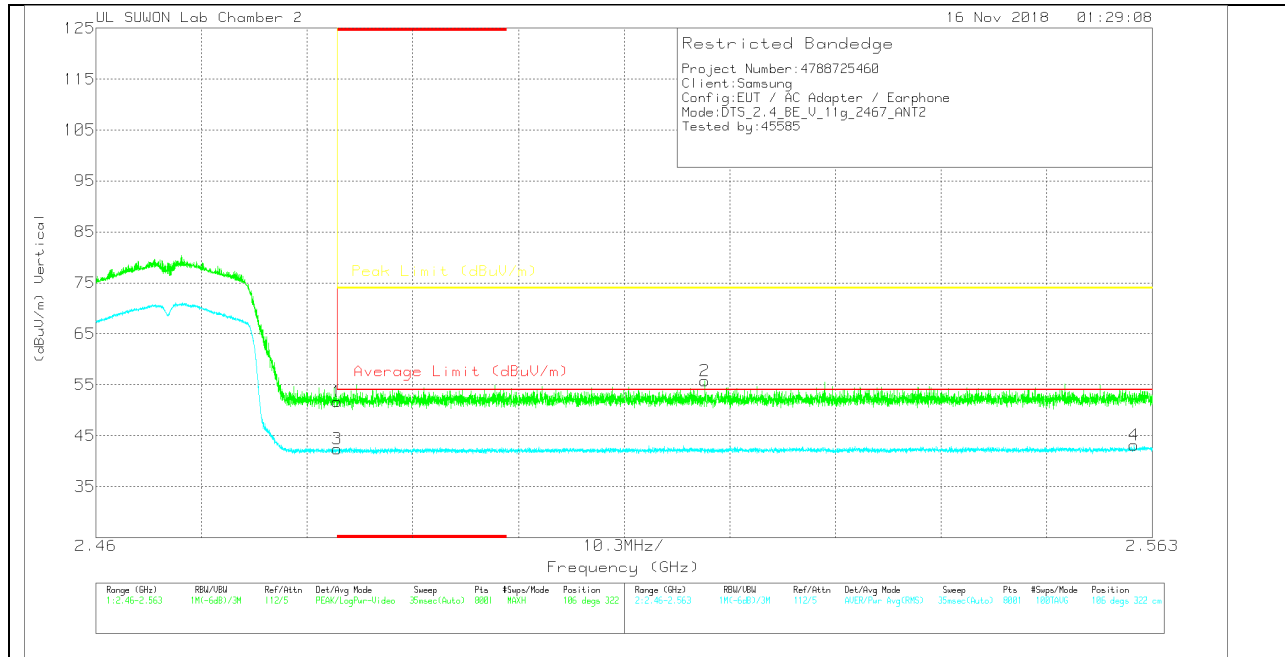
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.42	Pk	31.9	-20.6	0	51.72	-	-	74	-22.28	106	322	V
2	2.519	44.36	Pk	31.9	-20.5	0	55.76	-	-	74	-18.24	106	322	V
3	* 2.484	31.09	RMS	31.9	-20.6	0	42.39	54	-11.61	-	-	106	322	V
4	2.561	31.62	RMS	32	-20.5	0	43.12	54	-10.88	-	-	106	322	V

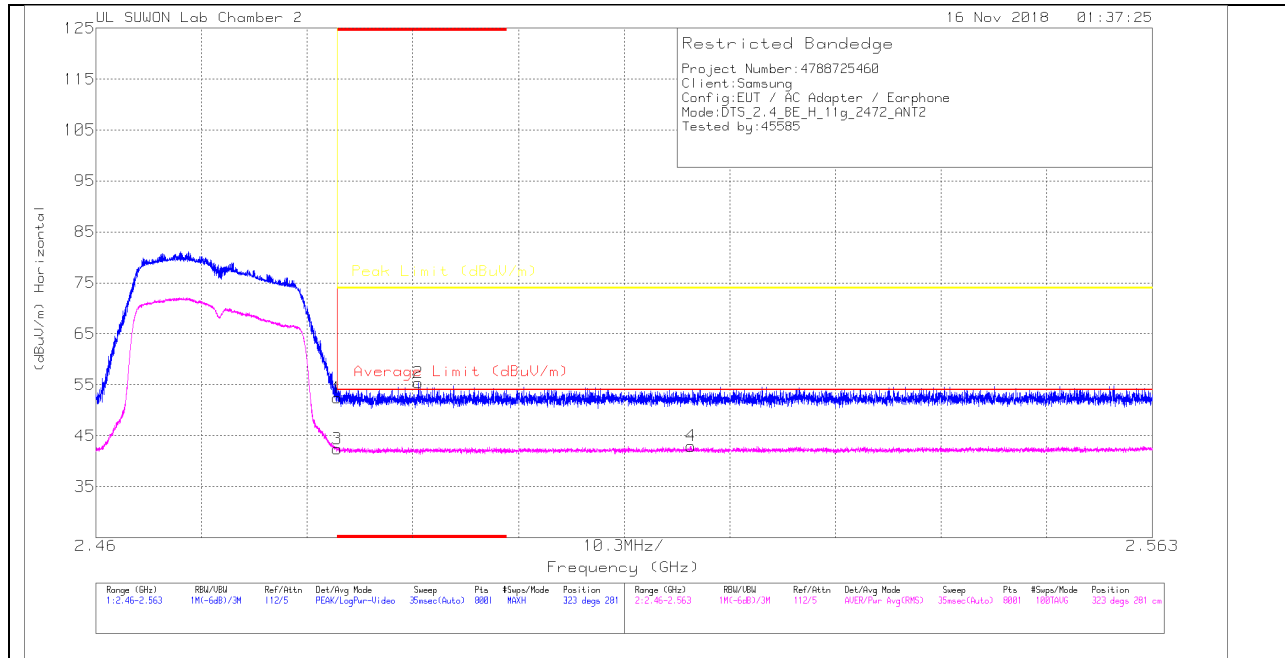
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (13 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

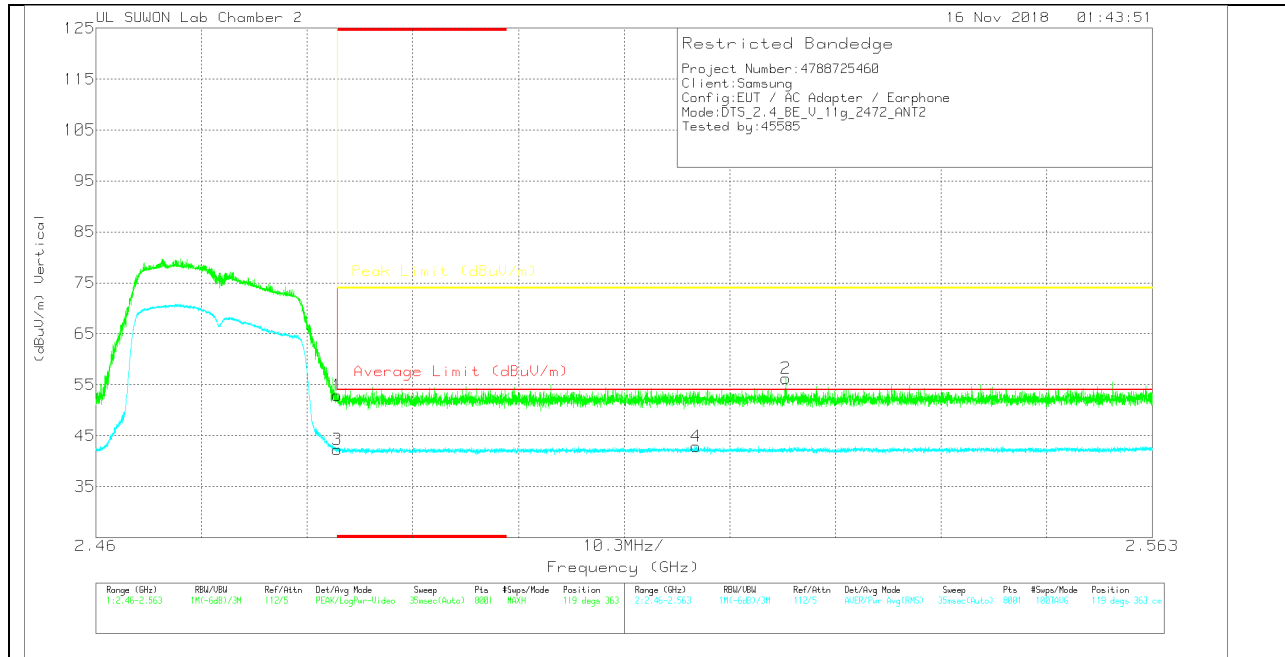
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.17	PK	31.9	-20.6	0	52.47	-	-	74	-21.53	323	281	H
2	* 2.491	44.06	PK	31.9	-20.6	0	55.36	-	-	74	-18.64	323	281	H
3	* 2.484	31.13	RMS	31.9	-20.6	0	42.43	54	-11.57	-	-	323	281	H
4	2.518	31.57	RMS	31.9	-20.5	0	42.97	54	-11.03	-	-	323	281	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.61	Pk	31.9	-20.6	0	52.91	-	-	74	-21.09	119	363	V
2	2.527	45	Pk	31.9	-20.6	0	56.3	-	-	74	-17.7	119	363	V
3	* 2.484	30.98	RMS	31.9	-20.6	0	42.28	54	-11.72	-	-	119	363	V
4	2.518	31.53	RMS	31.9	-20.5	0	42.93	54	-11.07	-	-	119	363	V

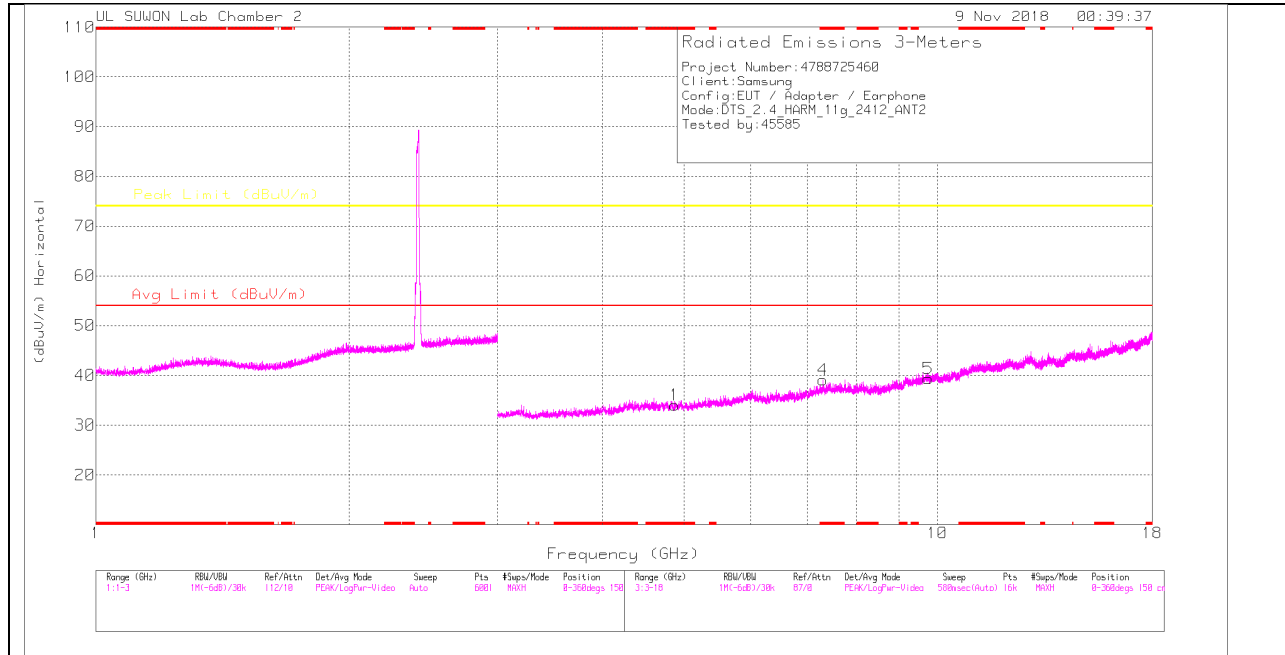
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

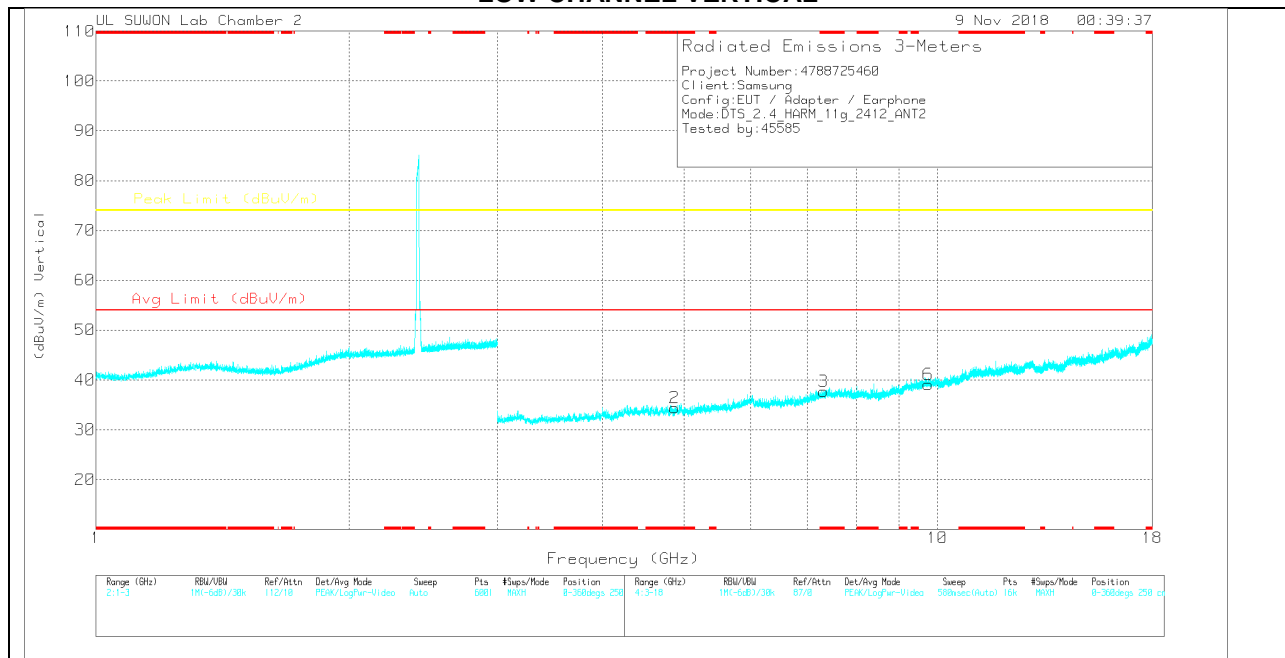
RMS - RMS detection

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



#### LOW CHANNEL VERTICAL



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

**LOW CHANNEL DATA**

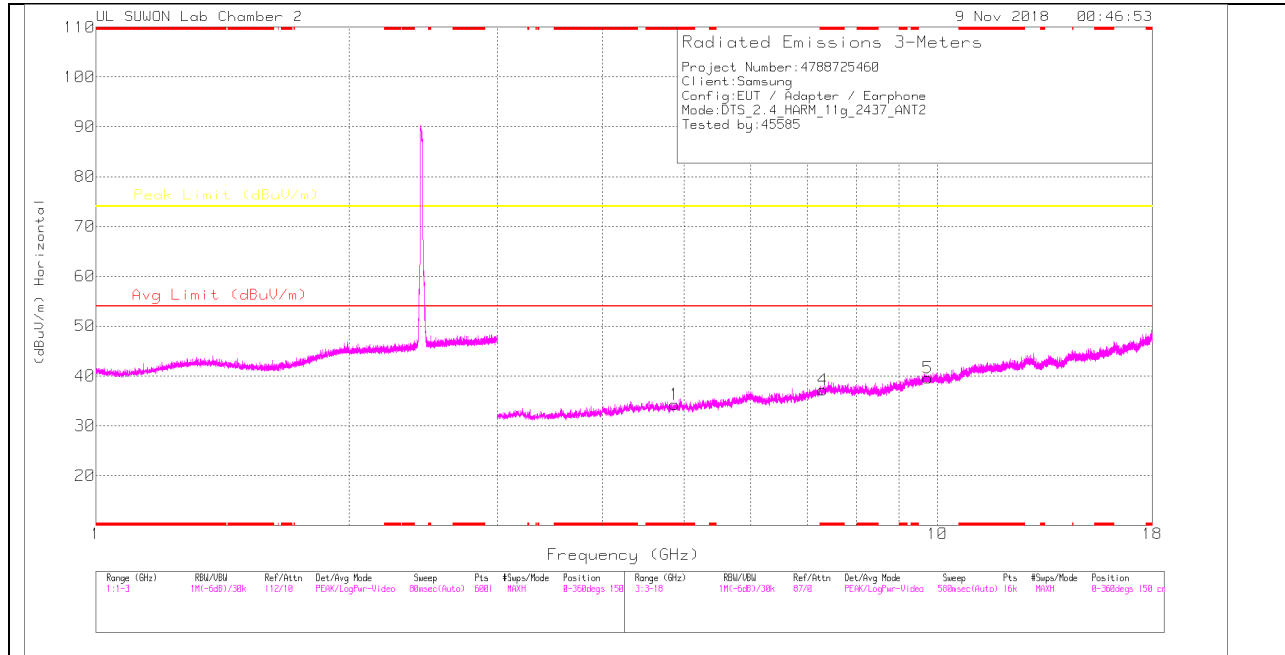
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875	28.09	PK	34	-28	0	34.09	-	-	74	-39.91	0-360	250	H
4	* 7.312	27.86	PK	36.2	-25	0	39.06	-	-	74	-34.94	0-360	150	H
5	9.749	23.56	PK	37.2	-21.4	0	39.36	-	-	74	-34.64	0-360	250	H
2	* 4.874	28.41	PK	34	-28	0	34.41	-	-	74	-39.59	0-360	150	V
3	* 7.318	26.39	PK	36.2	-24.9	0	37.69	-	-	74	-36.31	0-360	150	V
6	9.749	23.35	PK	37.2	-21.4	0	39.15	-	-	74	-34.85	0-360	250	V

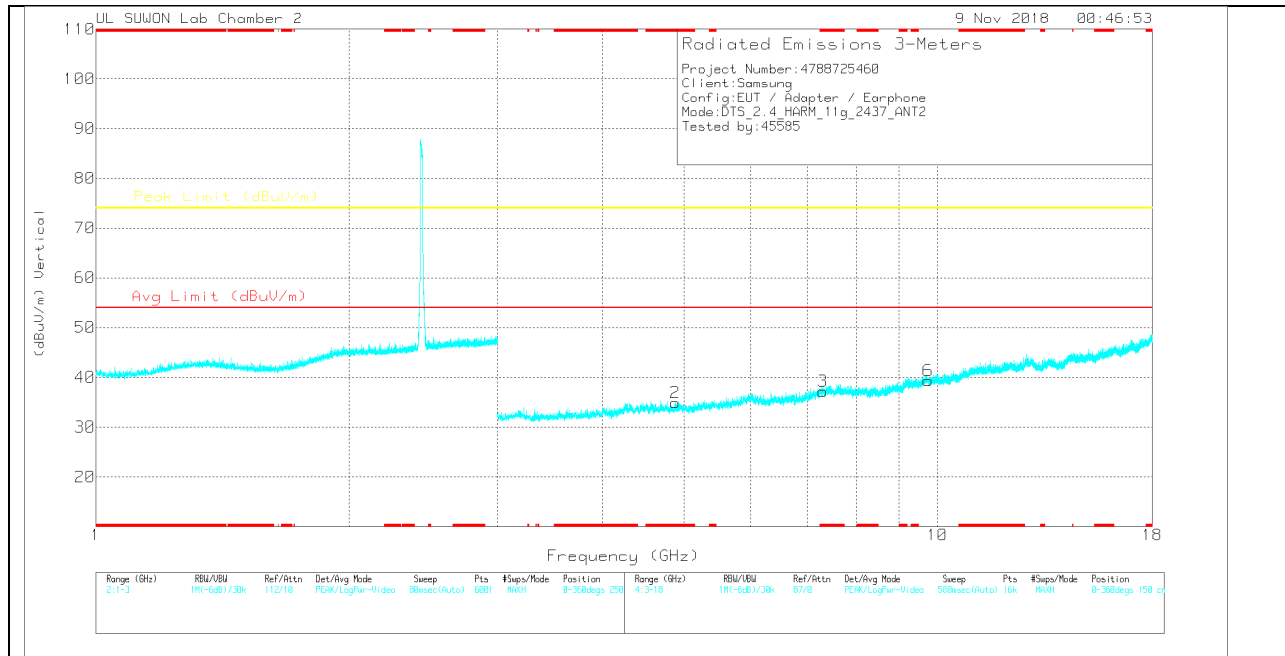
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

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

**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**

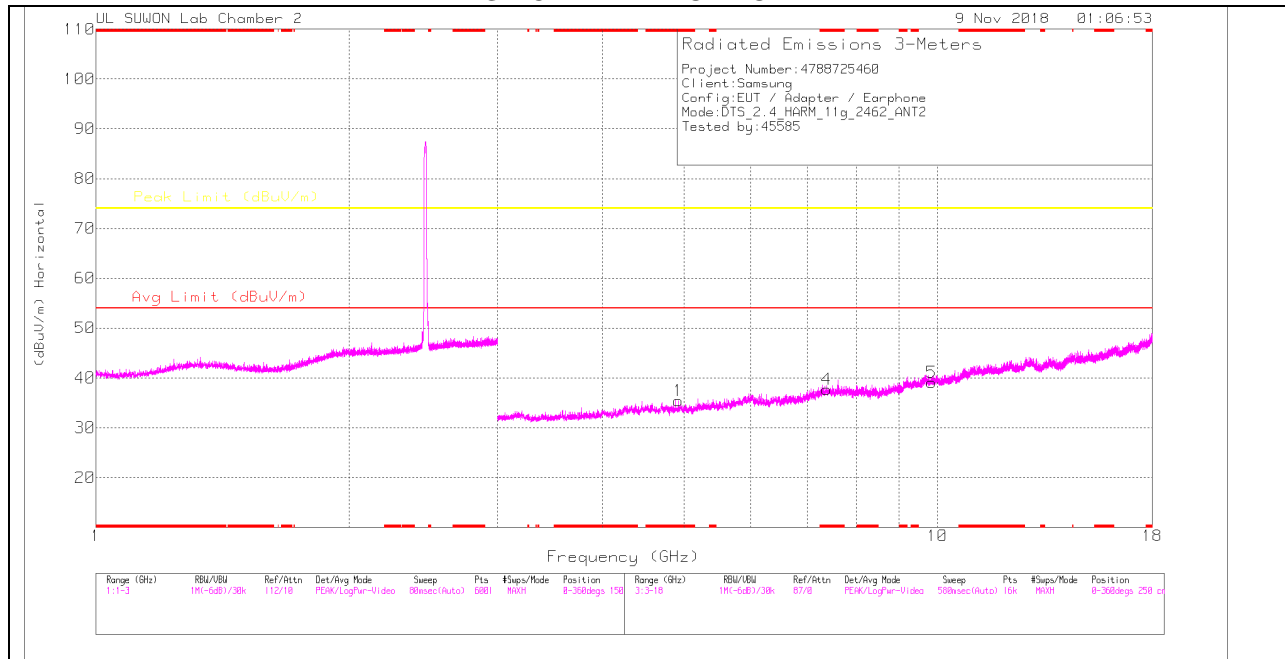
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.871	28.27	PK	34	-28	0	34.27	-	-	74	-39.73	0-360	250	H
4	* 7.312	25.99	PK	36.2	-25	0	37.19	-	-	74	-36.81	0-360	250	H
5	9.748	23.76	PK	37.2	-21.4	0	39.56	-	-	74	-34.44	0-360	150	H
2	* 4.876	28.78	PK	34	-27.9	0	34.88	-	-	74	-39.12	0-360	150	V
3	* 7.311	26.04	PK	36.2	-25	0	37.24	-	-	74	-36.76	0-360	150	V
6	9.749	23.55	PK	37.2	-21.4	0	39.35	-	-	74	-34.65	0-360	250	V

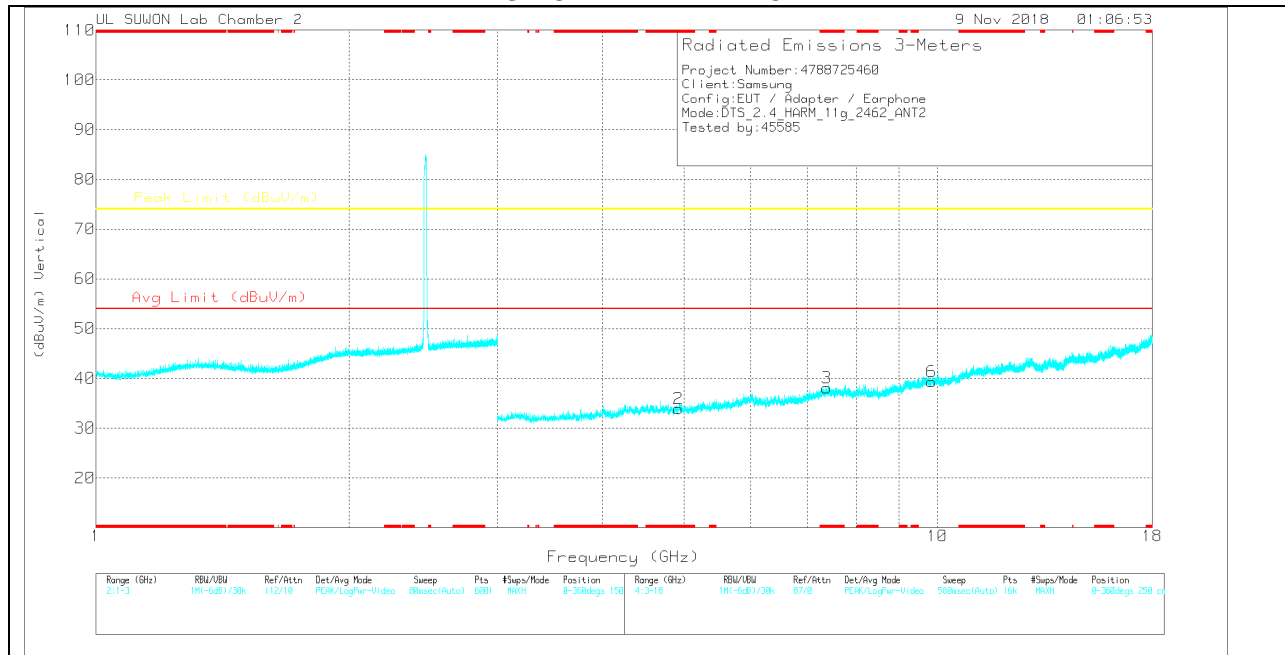
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

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

**HIGH CHANNEL HORIZONTAL**



**HIGH CHANNEL VERTICAL**



Note: Emission was scanned up to 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_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.926	28.66	PK	34	-27.2	0	35.46	-	-	74	-38.54	0-360	250	H
4	* 7.386	25.68	PK	36.2	-24.2	0	37.68	-	-	74	-36.32	0-360	150	H
5	9.848	23.55	PK	37.3	-21.8	0	39.05	-	-	74	-34.95	0-360	150	H
2	* 4.924	27.26	PK	34	-27.3	0	33.96	-	-	74	-40.04	0-360	250	V
3	* 7.385	26.15	PK	36.2	-24.3	0	38.05	-	-	74	-35.95	0-360	250	V
6	9.848	23.84	PK	37.3	-21.8	0	39.34	-	-	74	-34.66	0-360	150	V

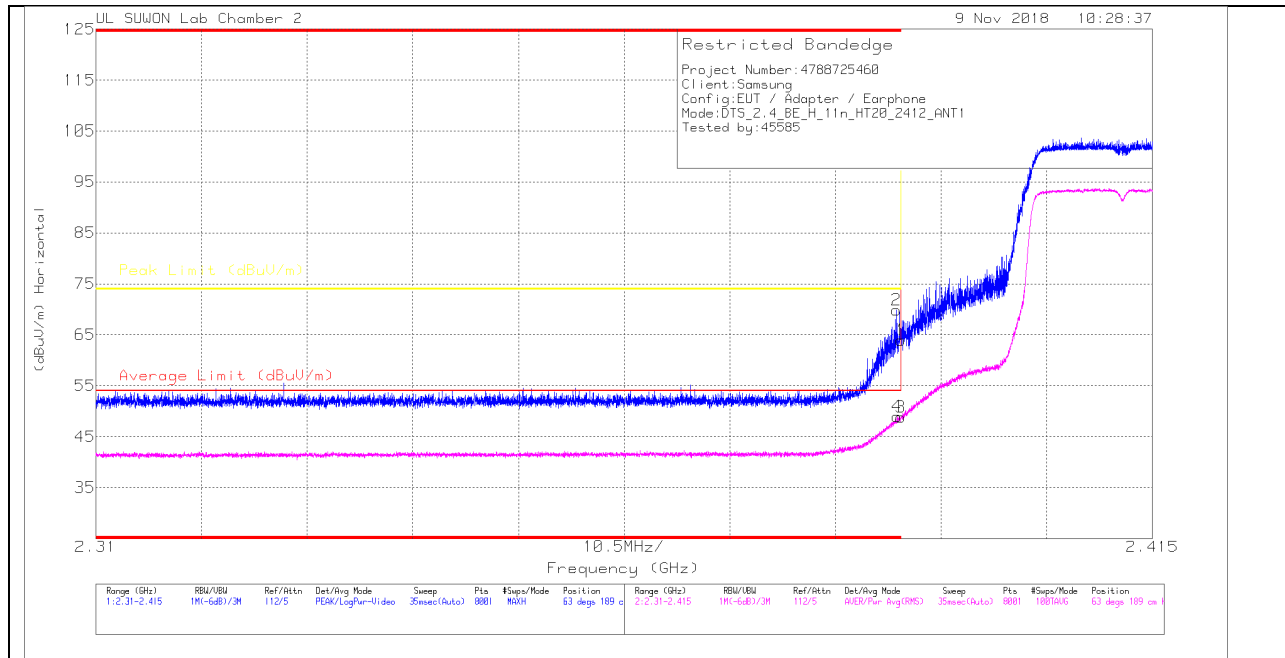
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

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

11.2.5. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND  
ANTENNA1

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

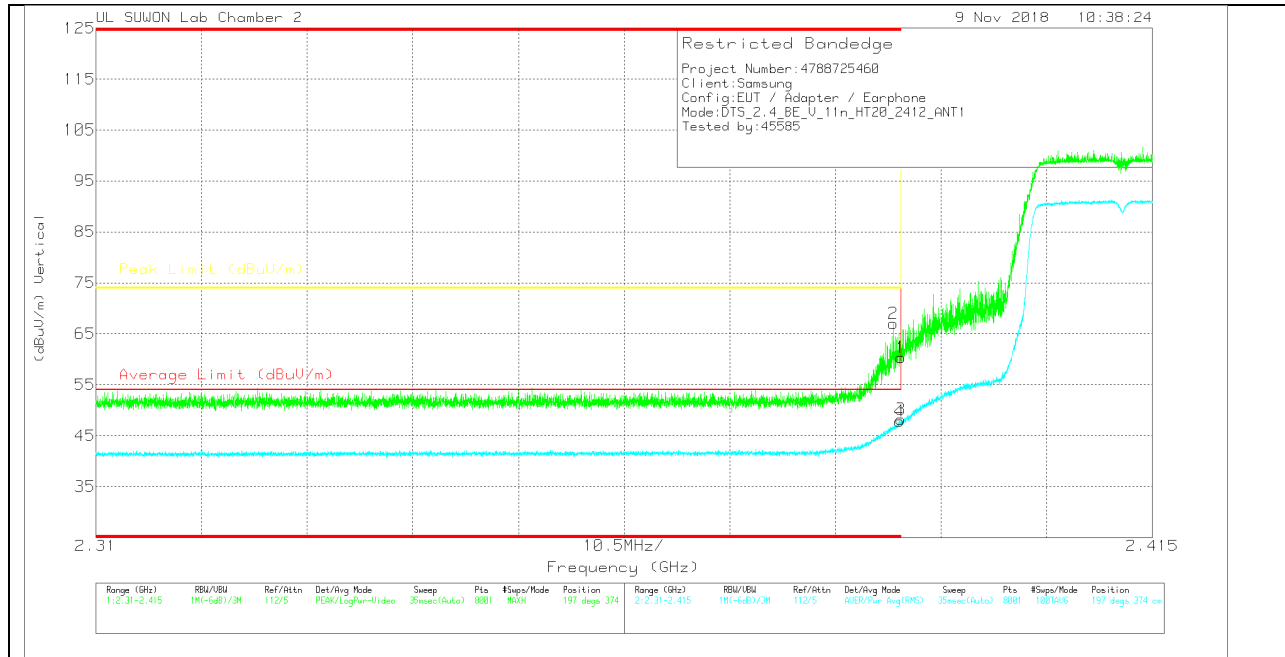
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Aimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.19	Pk	31.6	-20.8	0	63.99	-	-	74	-10.01	63	189	H
2	* 2.39	59.09	Pk	31.6	-20.8	0	69.89	-	-	74	-4.11	63	189	H
3	* 2.39	38.06	RMS	31.6	-20.8	0	48.86	54	-5.14	-	-	63	189	H
4	* 2.39	38.12	RMS	31.6	-20.8	0	48.92	54	-5.08	-	-	63	189	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	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	* 2.39	49.52	Pk	31.6	-20.8	0	60.32	-	-	74	-13.68	197	374	V
2	* 2.389	56.2	Pk	31.6	-20.8	0	67	-	-	74	-7	197	374	V
3	* 2.39	37.44	RMS	31.6	-20.8	0	48.24	54	-5.76	-	-	197	374	V
4	* 2.39	37.07	RMS	31.6	-20.8	0	47.87	54	-6.13	-	-	197	374	V

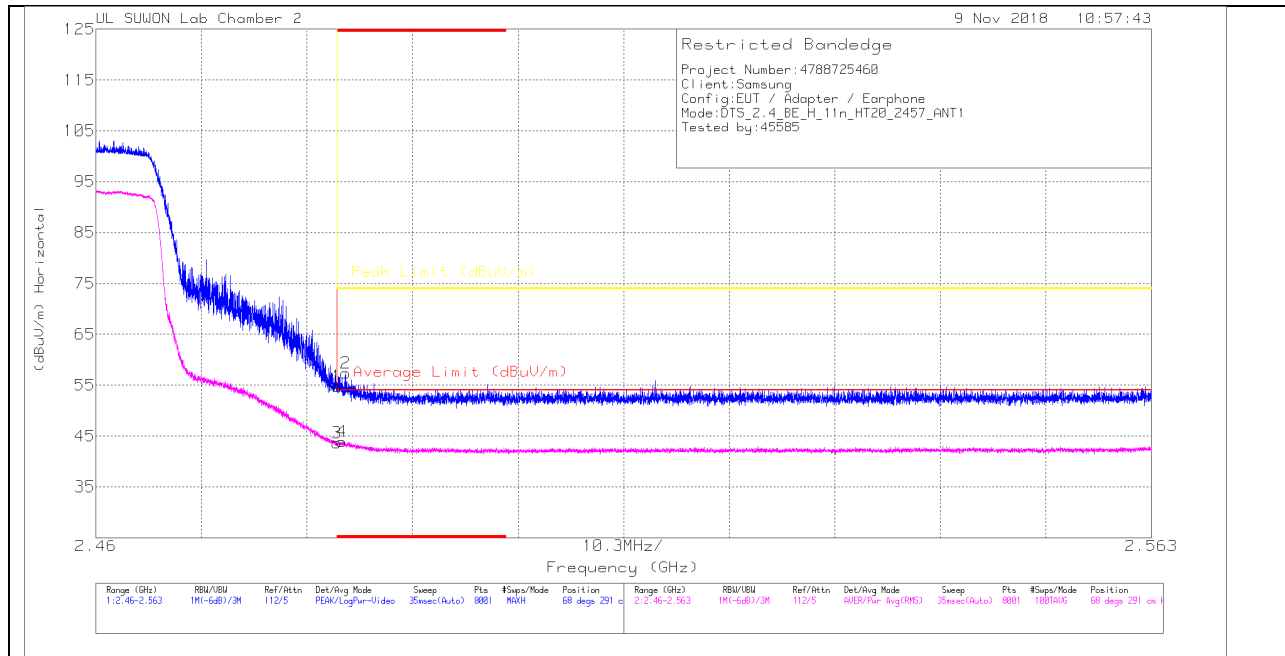
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

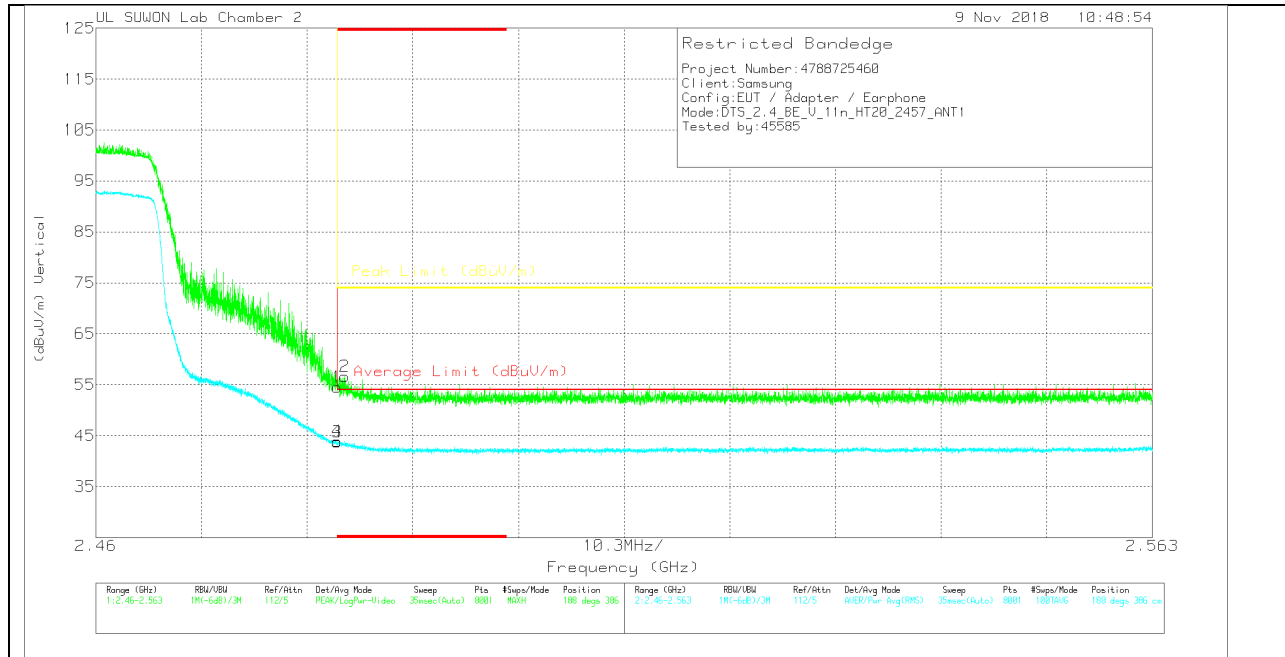
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.48	PK	31.9	-20.6	0	54.78	-	-	74	-19.22	68	291	H
2	* 2.484	46.09	PK	31.9	-20.6	0	57.39	-	-	74	-16.61	68	291	H
3	* 2.484	32.34	RMS	31.9	-20.6	0	43.64	54	-10.36	-	-	68	291	H
4	* 2.484	32.56	RMS	31.9	-20.6	0	43.86	54	-10.14	-	-	68	291	H

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

PK - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.21	Pk	31.9	-20.6	0	54.51	-	-	74	-19.49	188	386	V
2	* 2.484	45.35	Pk	31.9	-20.6	0	56.65	-	-	74	-17.35	188	386	V
3	* 2.484	32.46	RMS	31.9	-20.6	0	43.76	54	-10.24	-	-	188	386	V
4	* 2.484	32.57	RMS	31.9	-20.6	0	43.87	54	-10.13	-	-	188	386	V

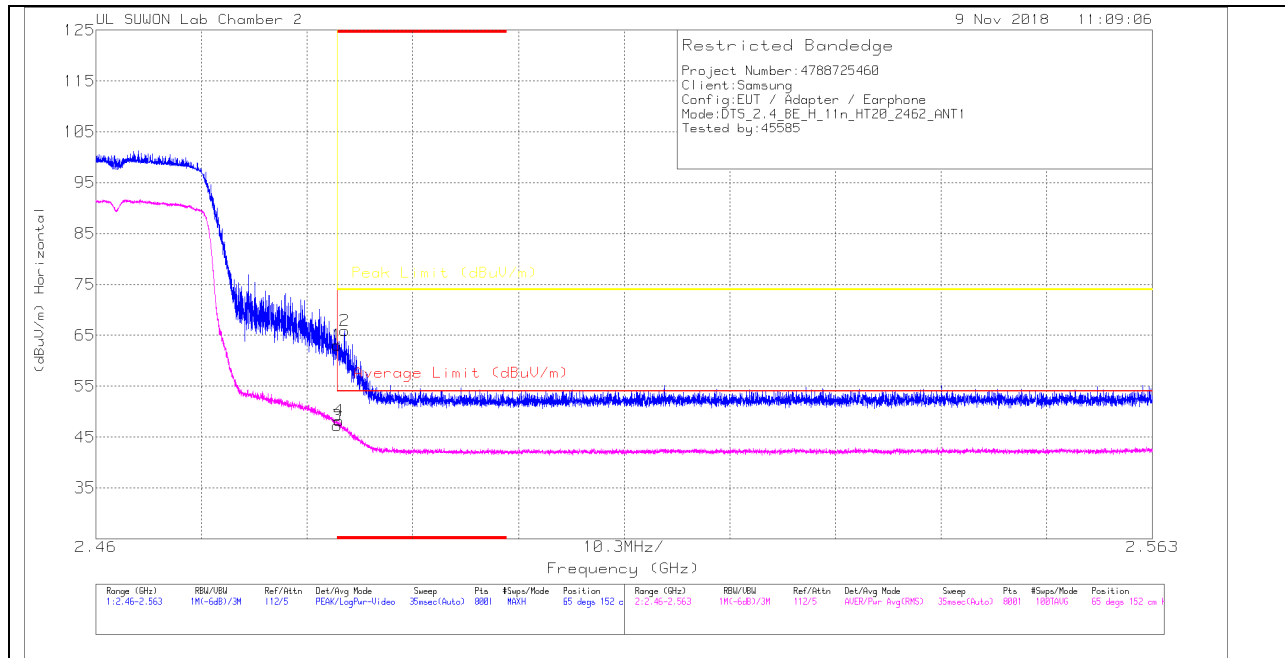
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (11 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Trace Markers

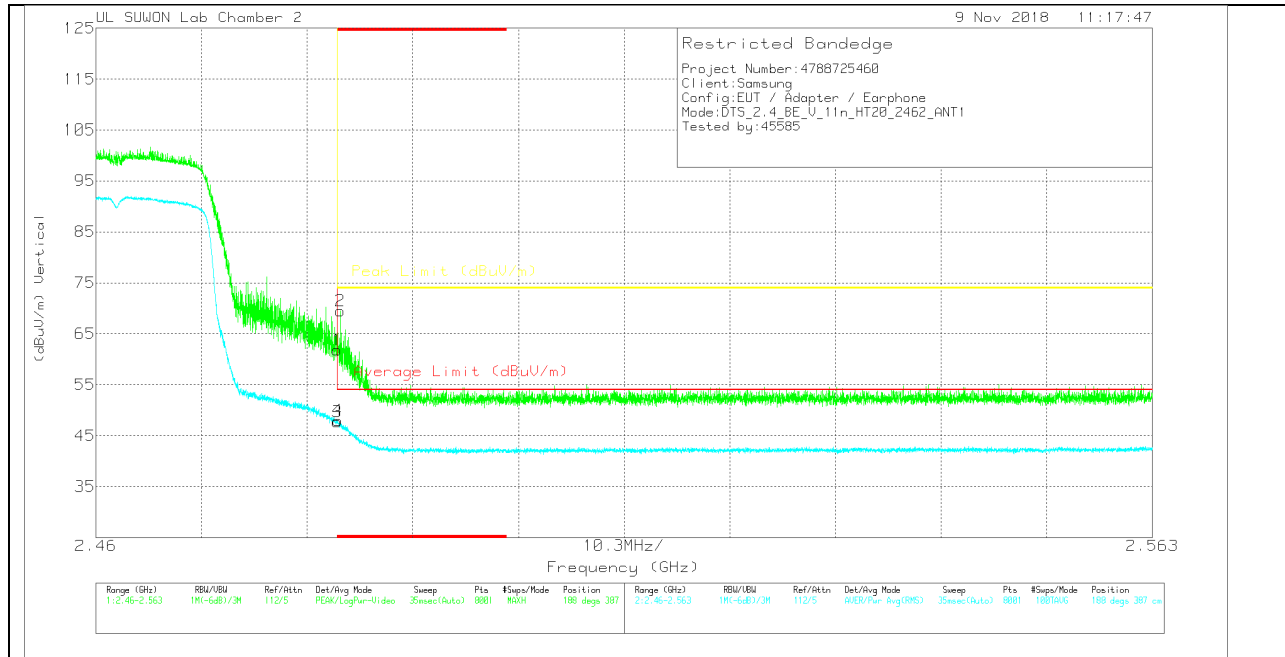
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	* 2.484	51.81	Pk	31.9	-20.6	0	63.11	-	-	74	-10.89	65	152	H
2	* 2.484	54.57	Pk	31.9	-20.6	0	65.87	-	-	74	-8.13	65	152	H
3	* 2.484	35.88	RMS	31.9	-20.6	0	47.18	54	-6.82	-	-	65	152	H
4	* 2.484	36.89	RMS	31.9	-20.6	0	48.19	54	-5.81	-	-	65	152	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	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	50.52	Pk	31.9	-20.6	0	61.82	-	-	74	-12.18	188	387	V
2	* 2.484	58.24	Pk	31.9	-20.6	0	69.54	-	-	74	-4.46	188	387	V
3	* 2.484	36.4	RMS	31.9	-20.6	0	47.7	54	-6.3	-	-	188	387	V
4	* 2.484	36.69	RMS	31.9	-20.6	0	47.99	54	-6.01	-	-	188	387	V

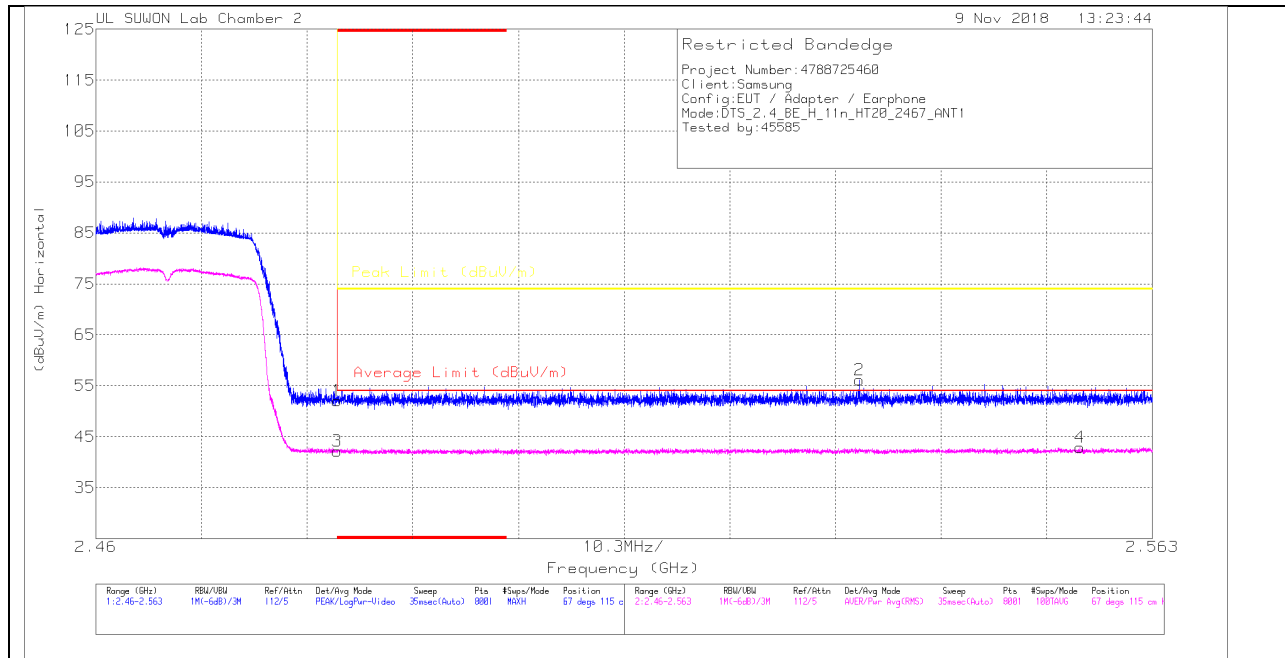
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.74	Pk	31.9	-20.6	0	52.04	-	-	74	-21.96	67	115	H
2	2.534	44.59	Pk	32	-20.5	0	56.09	-	-	74	-17.91	67	115	H
3	* 2.484	30.87	RMS	31.9	-20.6	0	42.17	54	-11.83	-	-	67	115	H
4	2.556	31.48	RMS	32	-20.6	0	42.88	54	-11.12	-	-	67	115	H

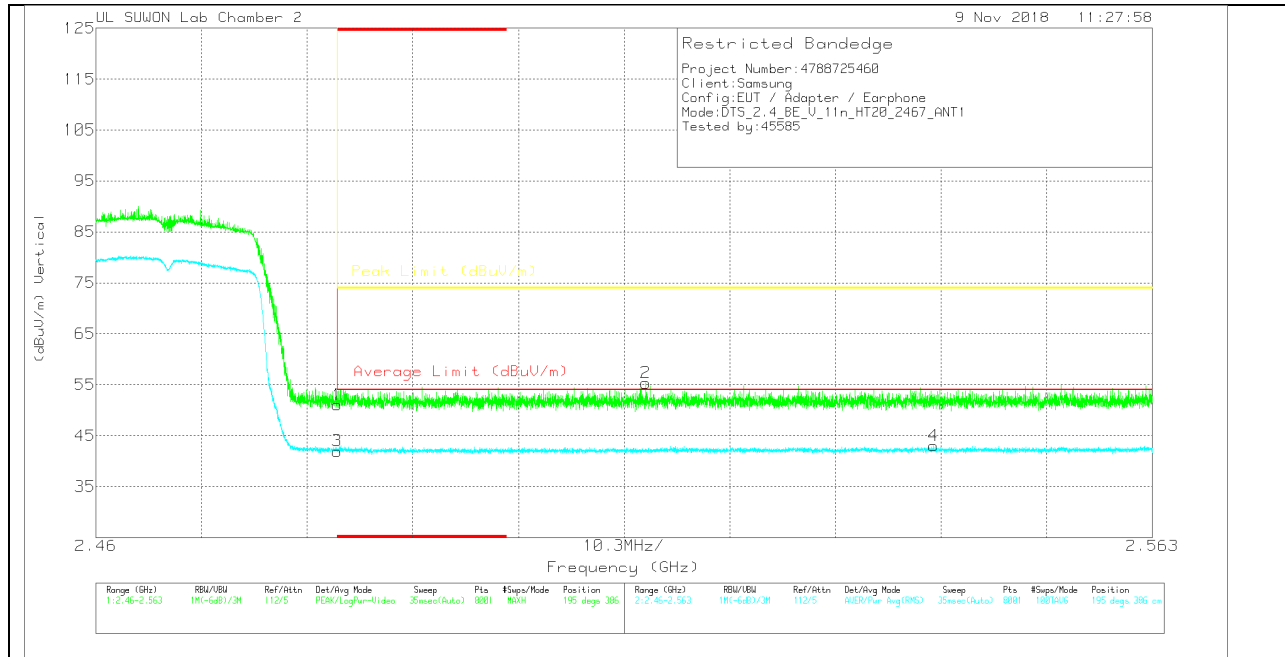
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.77	Pk	31.9	-20.6	0	51.07	-	-	74	-22.93	195	386	V
2	2.514	44.04	Pk	31.9	-20.6	0	55.34	-	-	74	-18.66	195	386	V
3	* 2.484	30.68	RMS	31.9	-20.6	0	41.98	54	-12.02	-	-	195	386	V
4	2.542	31.53	RMS	32	-20.5	0	43.03	54	-10.97	-	-	195	386	V

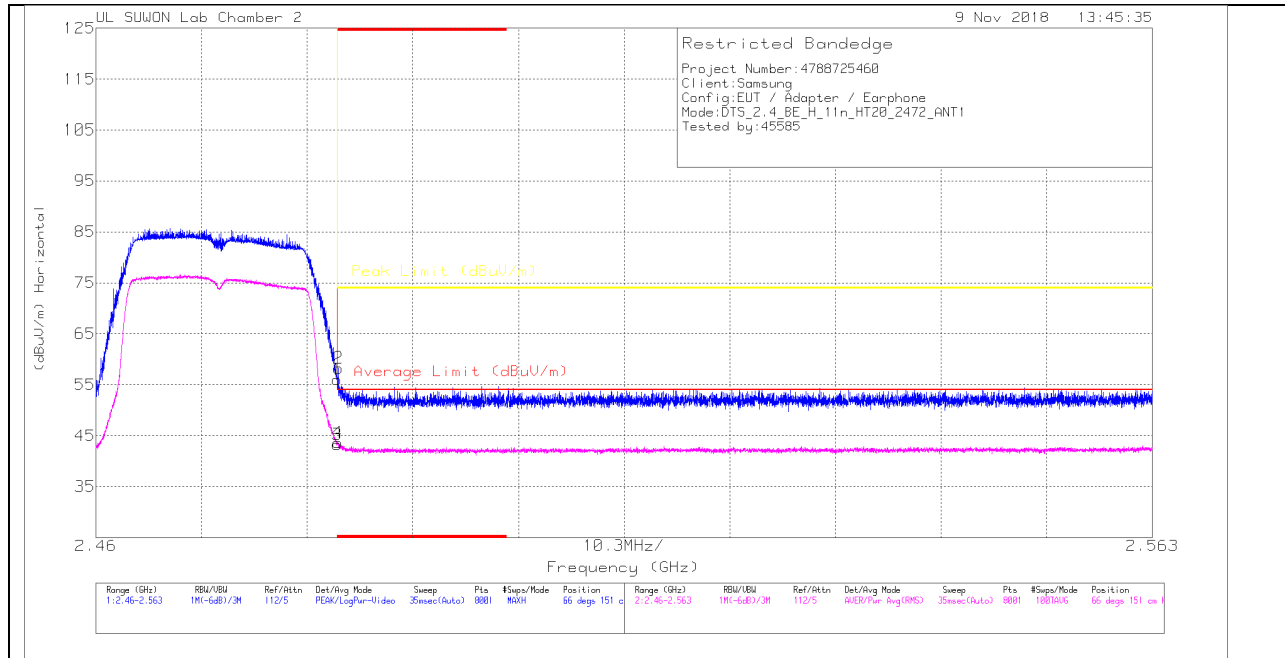
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (13 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

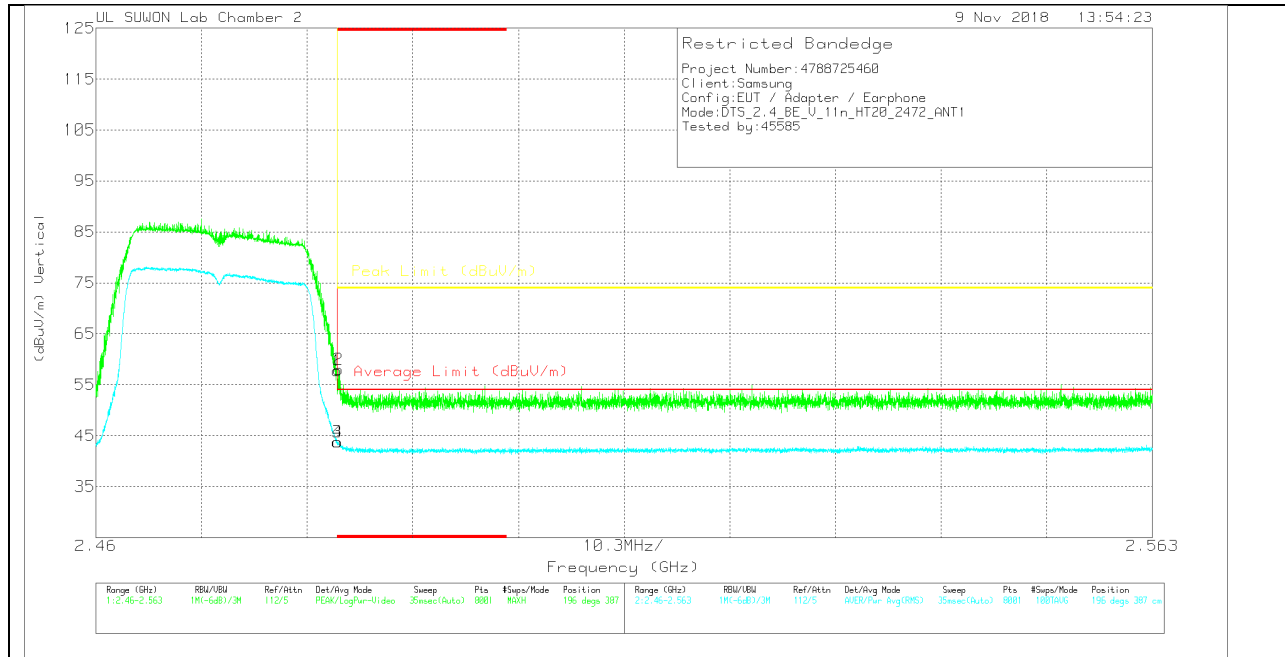
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.76	Pk	31.9	-20.6	0	56.06	-	-	74	-17.94	66	151	H
2	* 2.484	47	Pk	31.9	-20.6	0	58.3	-	-	74	-15.7	66	151	H
3	* 2.484	32.03	RMS	31.9	-20.6	0	43.33	54	-10.67	-	-	66	151	H
4	* 2.484	32.34	RMS	31.9	-20.6	0	43.64	54	-10.36	-	-	66	151	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.43	Pk	31.9	-20.6	0	57.73	-	-	74	-16.27	196	387	V
2	* 2.484	46.72	Pk	31.9	-20.6	0	58.02	-	-	74	-15.98	196	387	V
3	* 2.484	32.48	RMS	31.9	-20.6	0	43.78	54	-10.22	-	-	196	387	V
4	* 2.484	32.49	RMS	31.9	-20.6	0	43.79	54	-10.21	-	-	196	387	V

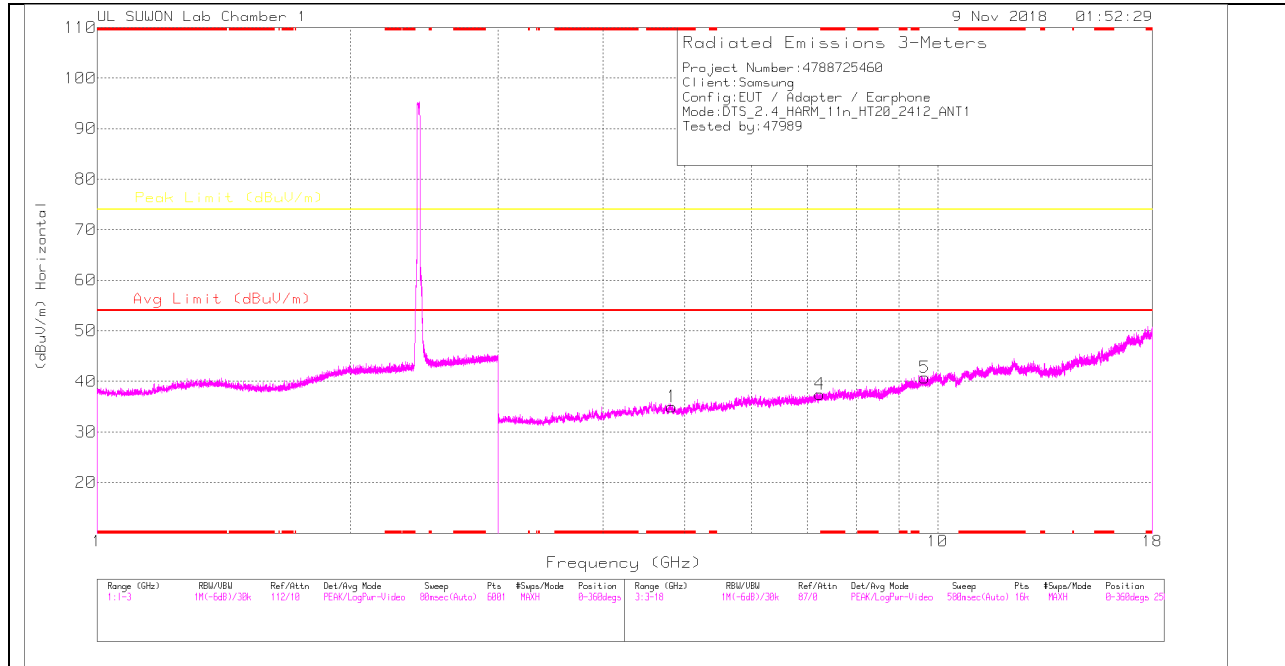
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

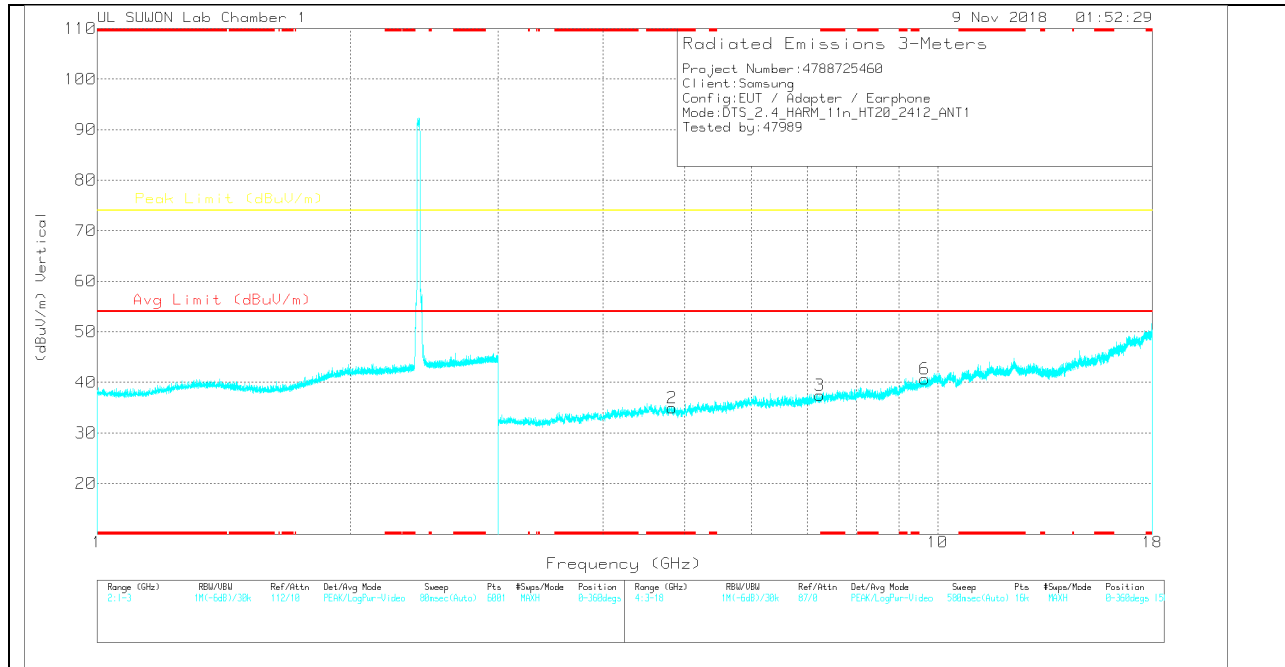
RMS - RMS detection

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



#### LOW CHANNEL VERTICAL



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

**LOW CHANNEL DATA**

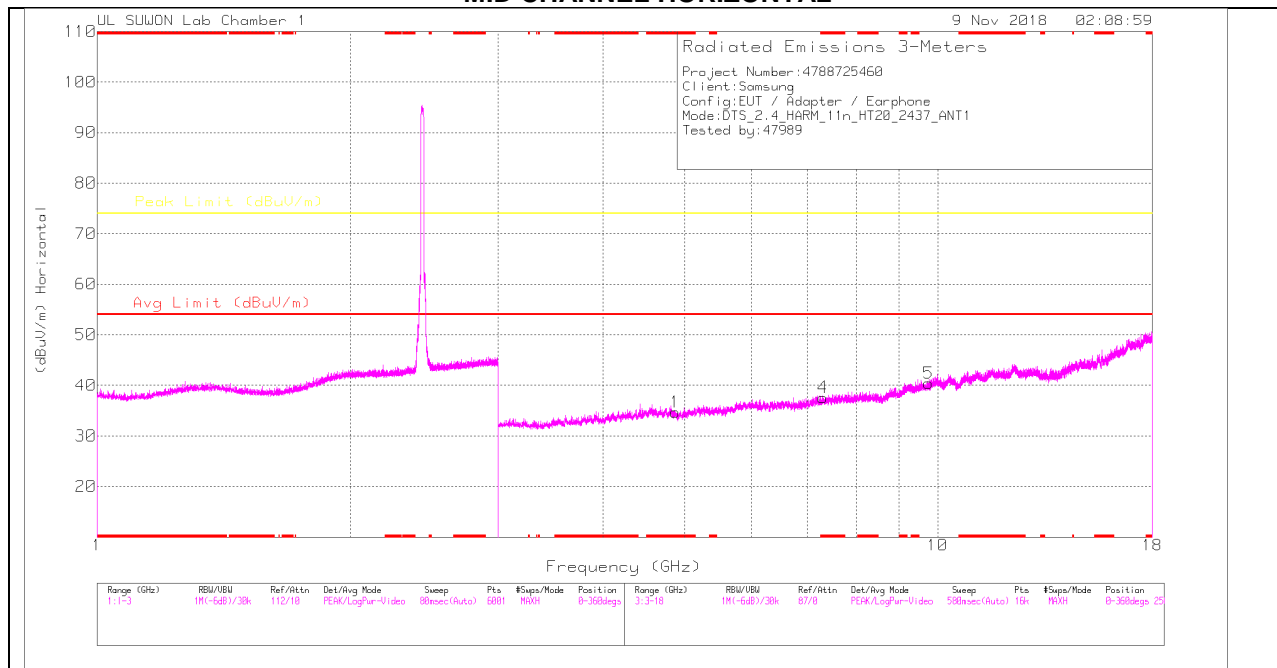
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	* 4.828	32.18	PK	34.2	-31.4	0	34.98	-	-	74	-39.02	0-360	150	H
4	7.236	29.48	PK	35.8	-27.8	0	37.48	-	-	74	-36.52	0-360	250	H
5	9.656	26.94	PK	37.1	-23.3	0	40.74	-	-	74	-33.26	0-360	250	H
2	* 4.829	32.11	PK	34.2	-31.4	0	34.91	-	-	74	-39.09	0-360	150	V
3	7.24	29.41	PK	35.8	-27.8	0	37.41	-	-	74	-36.59	0-360	250	V
6	9.653	26.86	PK	37.1	-23.3	0	40.66	-	-	74	-33.34	0-360	150	V

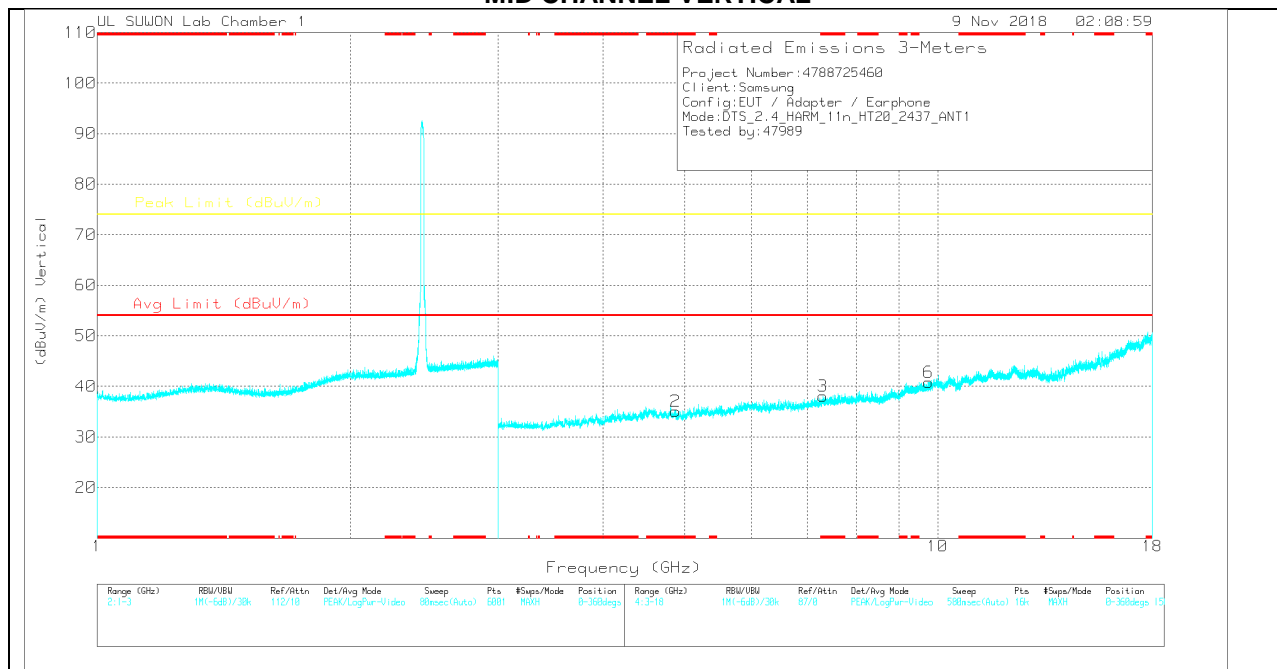
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak detector

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

**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

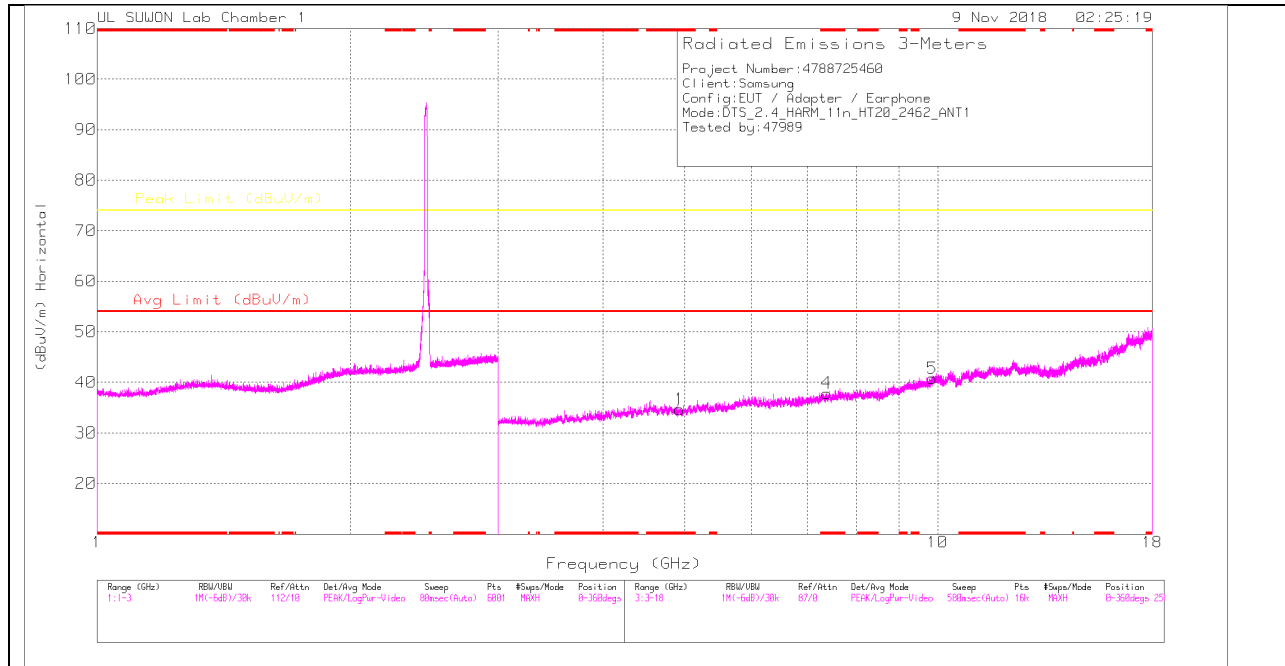
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.872	31.96	PK	34.2	-31.5	0	34.66	-	-	74	-39.34	0-360	250	H
4	* 7.304	29.28	PK	35.8	-27.5	0	37.58	-	-	74	-36.42	0-360	250	H
5	9.751	27.11	PK	37.2	-23.9	0	40.41	-	-	74	-33.59	0-360	150	H
2	* 4.877	32.34	PK	34.2	-31.5	0	35.04	-	-	74	-38.96	0-360	250	V
3	* 7.306	29.62	PK	35.8	-27.4	0	38.02	-	-	74	-35.98	0-360	250	V
6	9.751	27.47	PK	37.2	-23.9	0	40.77	-	-	74	-33.23	0-360	150	V

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

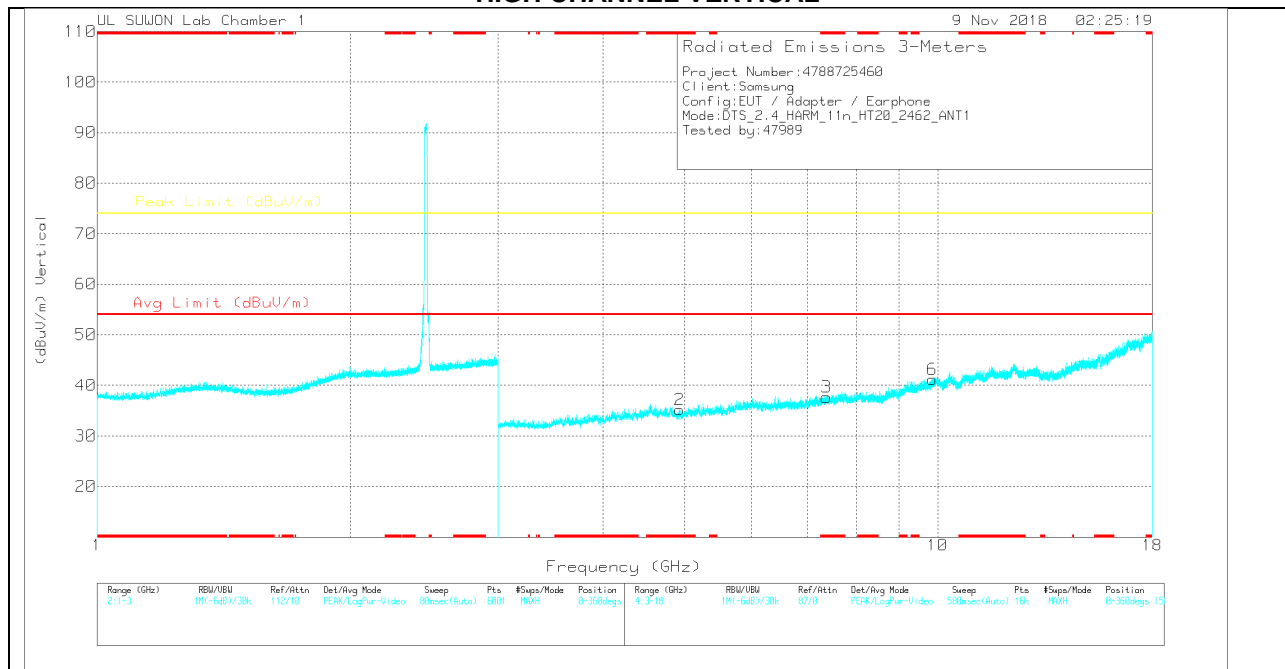
PK – Peak detector

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

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 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_00168717	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	* 4.93	32.05	PK	34.2	-31.6	0	34.65	-	-	74	-39.35	0-360	150	H
4	* 7.383	29.05	PK	35.8	-27	0	37.85	-	-	74	-36.15	0-360	250	H
5	9.852	26.59	PK	37.4	-23.2	0	40.79	-	-	74	-33.21	0-360	150	H
2	* 4.932	32.46	PK	34.2	-31.5	0	35.16	-	-	74	-38.84	0-360	150	V
3	* 7.373	28.84	PK	35.8	-27	0	37.64	-	-	74	-36.36	0-360	250	V
6	9.857	26.86	PK	37.4	-23.1	0	41.16	-	-	74	-32.84	0-360	150	V

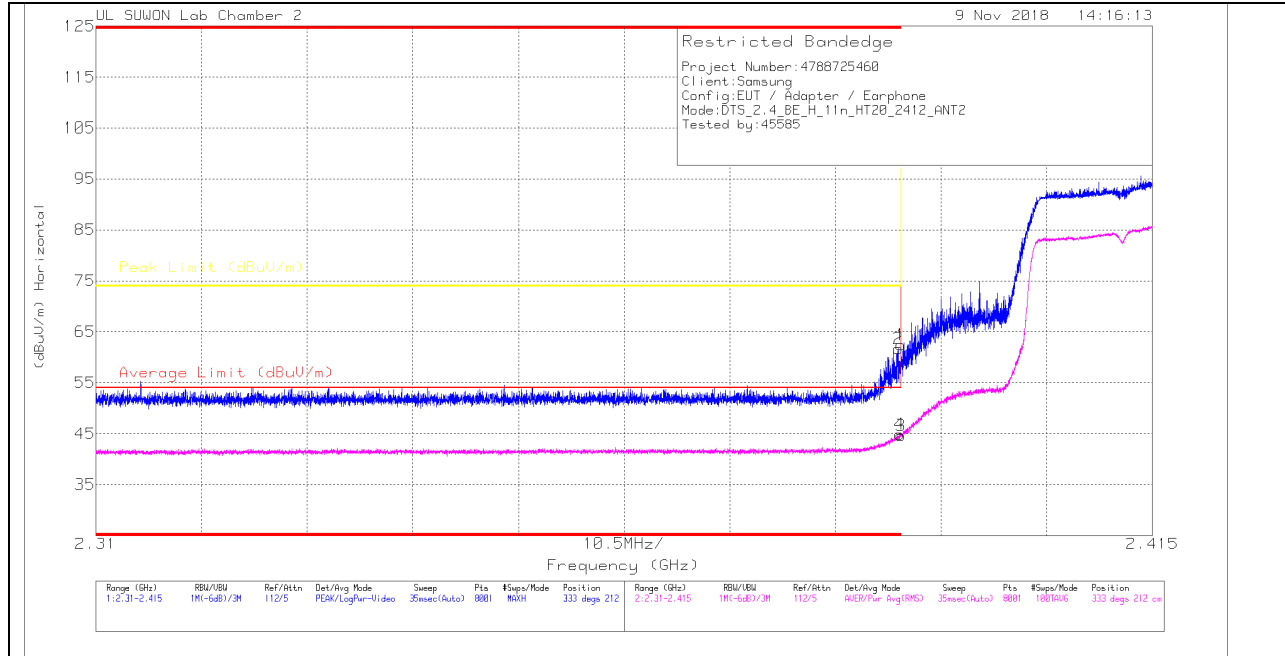
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak detector

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

11.2.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND  
 ANTENNA2

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

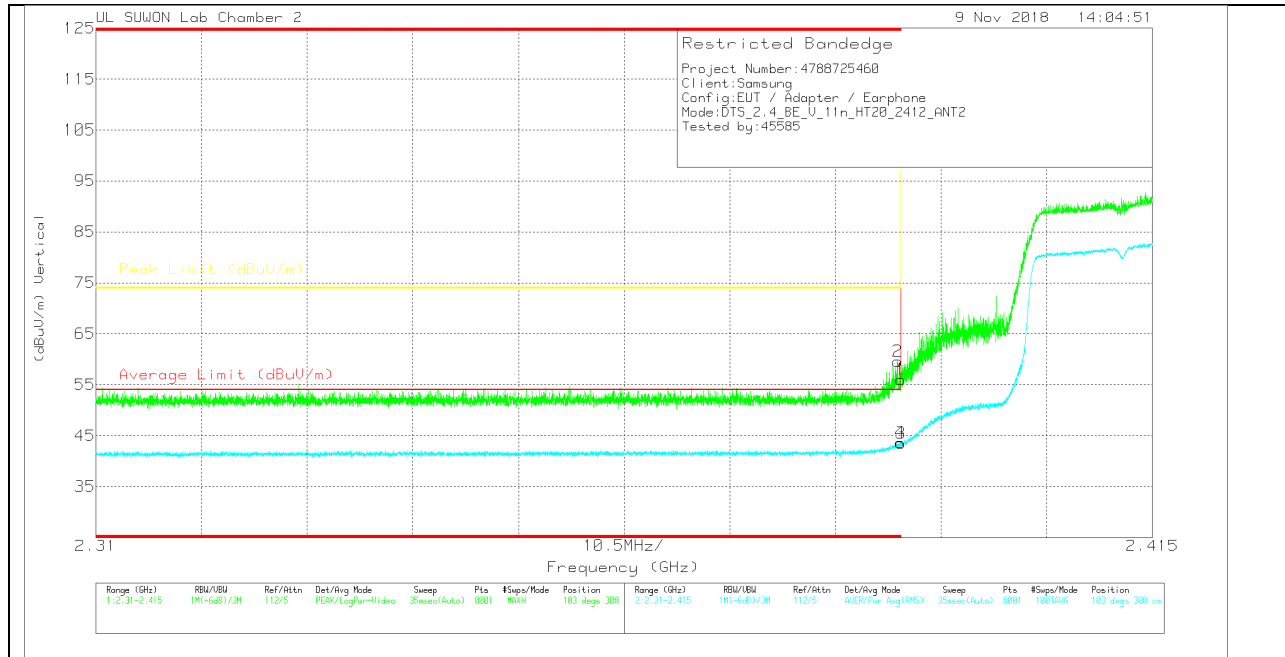
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.65	Pk	31.6	-20.8	0	62.45	-	-	74	-11.55	333	212	H
2	* 2.39	50.96	Pk	31.6	-20.8	0	61.76	-	-	74	-12.24	333	212	H
3	* 2.39	33.83	RMS	31.6	-20.8	0	44.63	54	-9.37	-	-	333	212	H
4	* 2.39	34.08	RMS	31.6	-20.8	0	44.88	54	-9.12	-	-	333	212	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	45.17	Pk	31.6	-20.8	0	55.97	-	-	74	-18.03	103	308	V
2	* 2.39	48.76	Pk	31.6	-20.8	0	59.56	-	-	74	-14.44	103	308	V
3	* 2.39	32.68	RMS	31.6	-20.8	0	43.48	54	-10.52	-	-	103	308	V
4	* 2.39	32.89	RMS	31.6	-20.8	0	43.69	54	-10.31	-	-	103	308	V

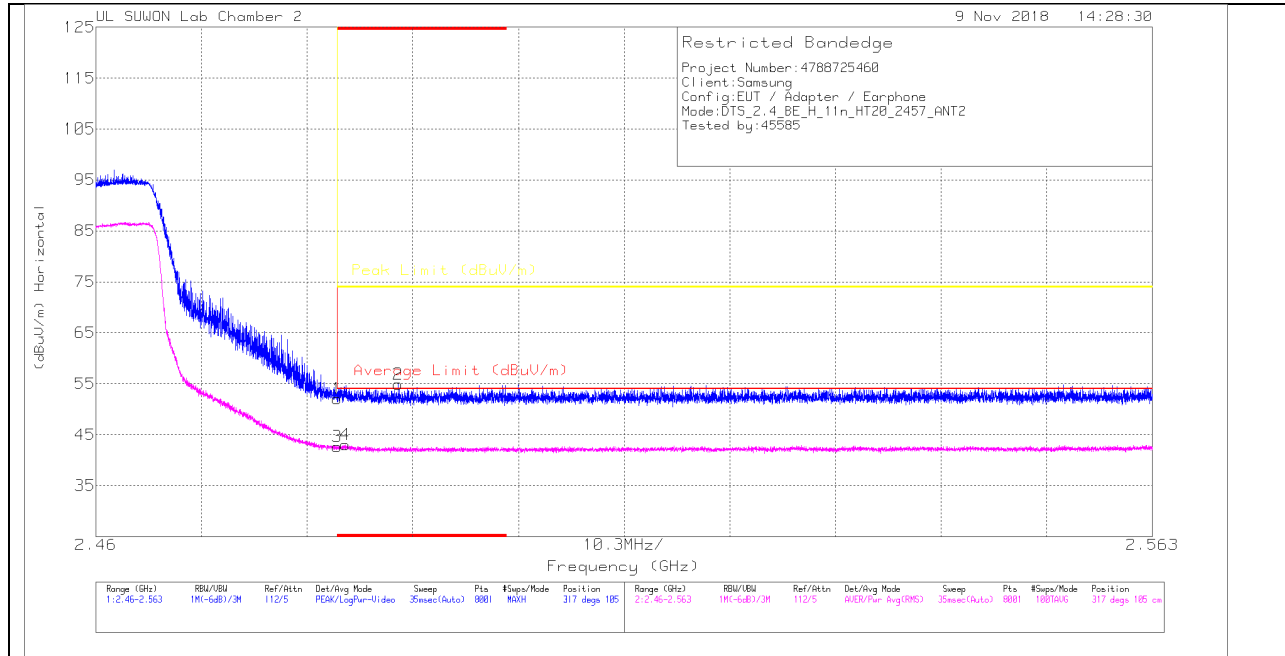
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (HIGH CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

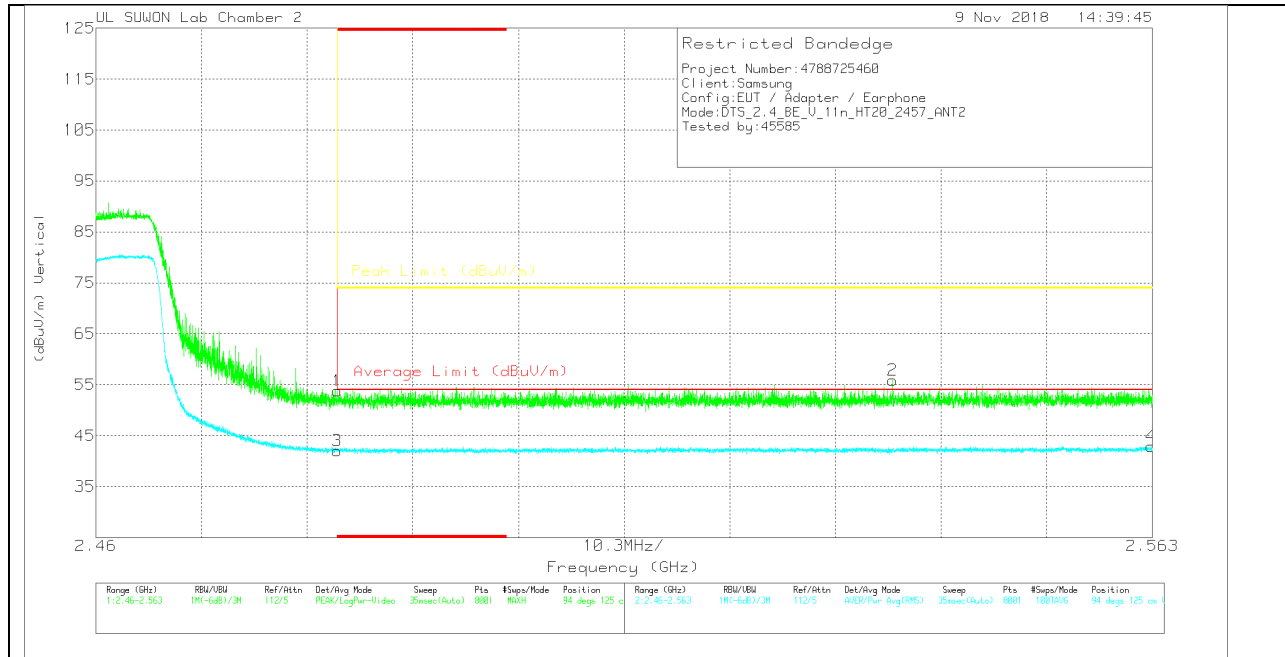
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.78	Pk	31.9	-20.6	0	52.08	-	-	74	-21.92	317	105	H
2	* 2.489	43.6	Pk	31.9	-20.6	0	54.9	-	-	74	-19.1	317	105	H
3	* 2.484	31.38	RMS	31.9	-20.6	0	42.68	54	-11.32	-	-	317	105	H
4	* 2.484	31.73	RMS	31.9	-20.6	0	43.03	54	-10.97	-	-	317	105	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.52	Pk	31.9	-20.6	0	53.82	-	-	74	-20.18	94	125	V
2	2.538	44.45	Pk	32	-20.6	0	55.85	-	-	74	-18.15	94	125	V
3	* 2.484	30.79	RMS	31.9	-20.6	0	42.09	54	-11.91	-	-	94	125	V
4	2.563	31.28	RMS	32	-20.4	0	42.88	54	-11.12	-	-	94	125	V

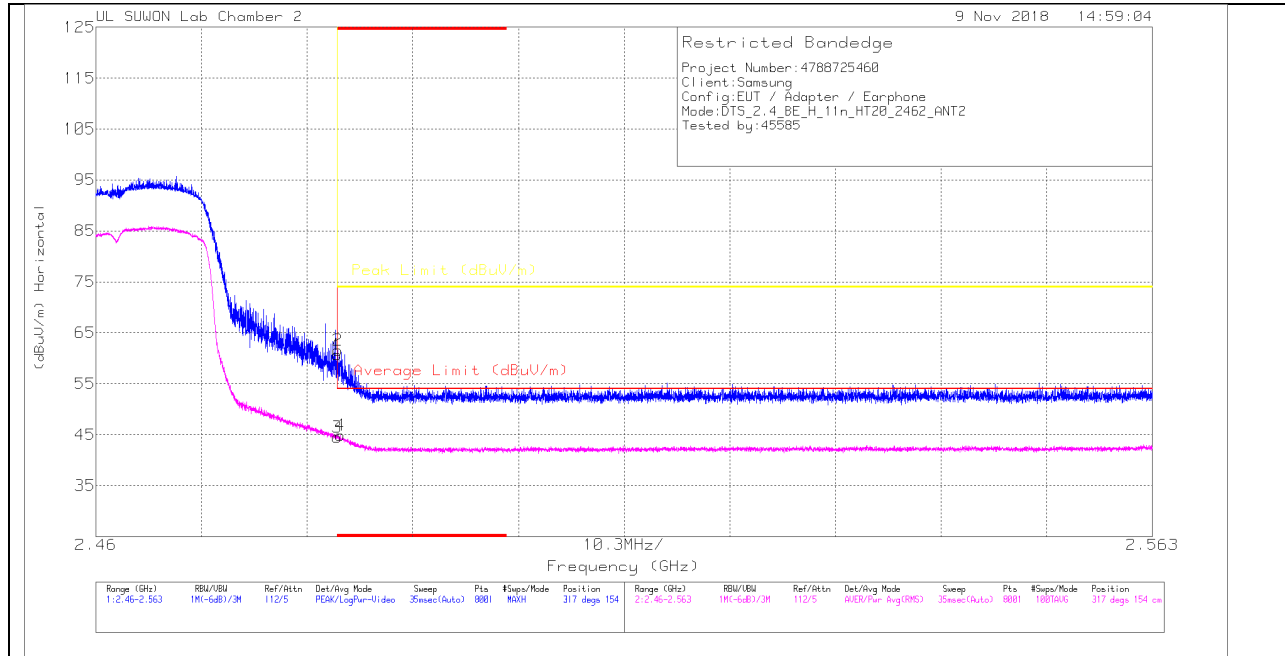
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (11 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

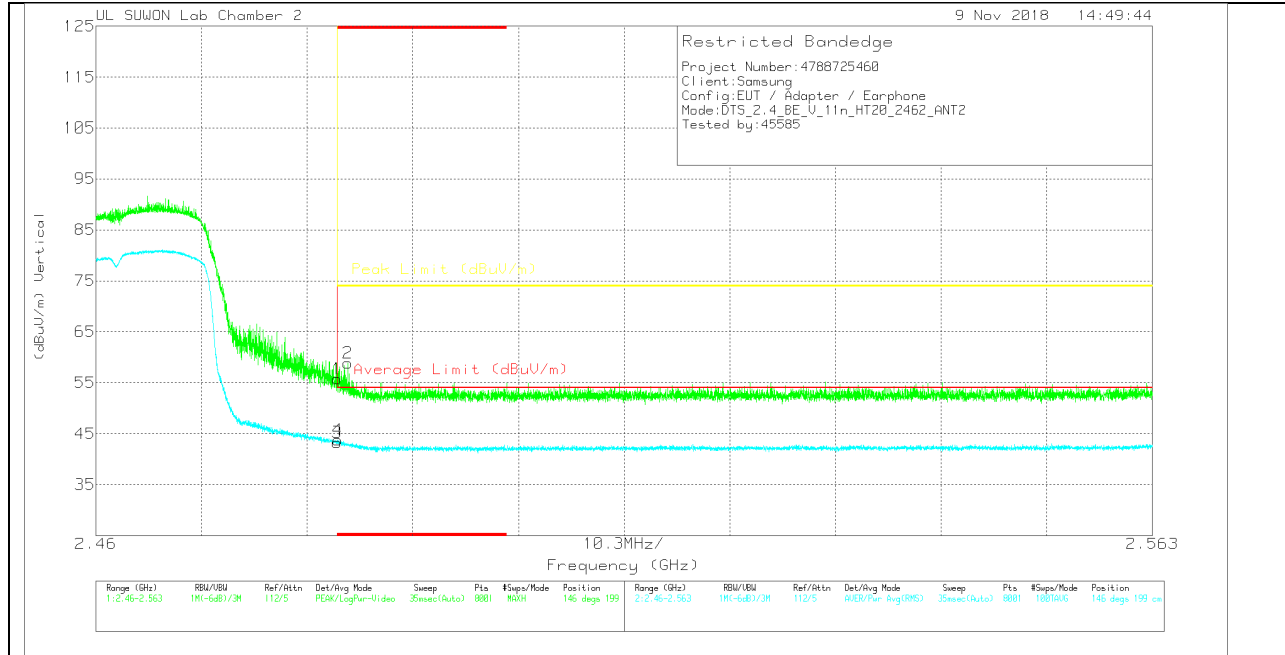
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.42	Pk	31.9	-20.6	0	60.72	-	-	74	-13.28	317	154	H
2	* 2.484	50.32	Pk	31.9	-20.6	0	61.62	-	-	74	-12.38	317	154	H
3	* 2.484	33.16	RMS	31.9	-20.6	0	44.46	54	-9.54	-	-	317	154	H
4	* 2.484	33.54	RMS	31.9	-20.6	0	44.84	54	-9.16	-	-	317	154	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	44.43	Pk	31.9	-20.6	0	55.73	-	-	74	-18.27	146	199	V
2	* 2.485	47.55	Pk	31.9	-20.6	0	58.85	-	-	74	-15.15	146	199	V
3	* 2.484	31.92	RMS	31.9	-20.6	0	43.22	54	-10.78	-	-	146	199	V
4	* 2.484	32.44	RMS	31.9	-20.6	0	43.74	54	-10.26	-	-	146	199	V

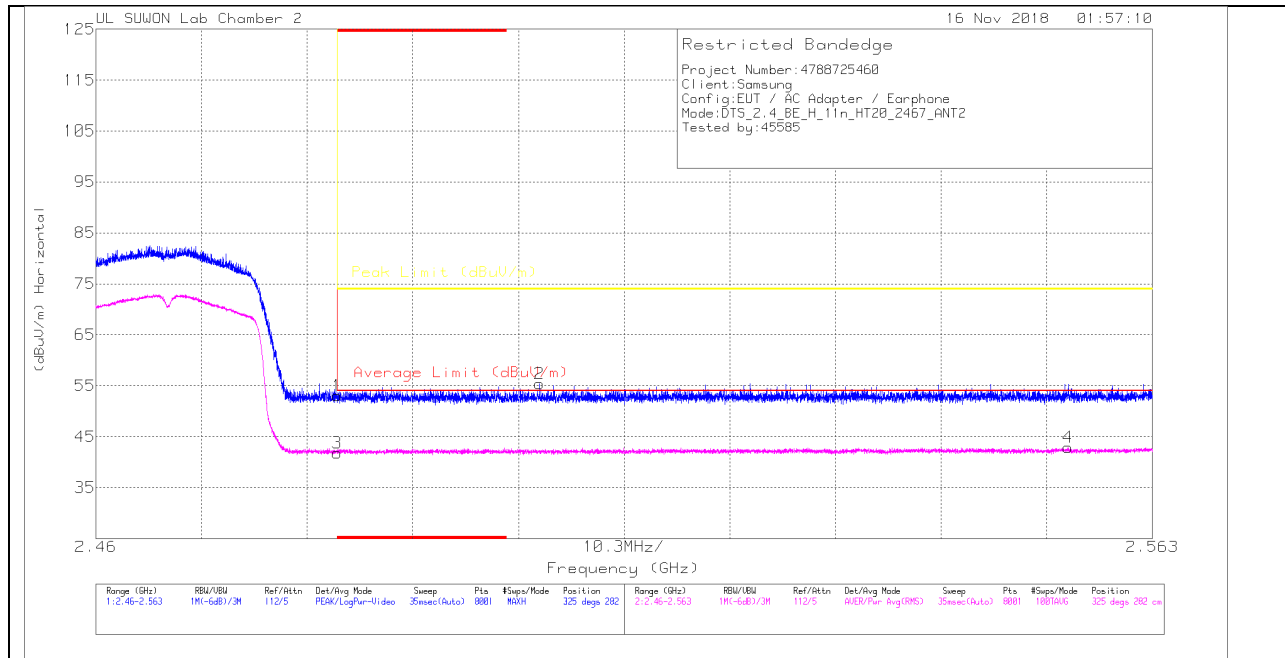
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.77	Pk	31.9	-20.6	0	53.07	-	-	74	-20.93	325	282	H
2	2.503	44.11	Pk	31.9	-20.6	0	55.41	-	-	74	-18.59	325	282	H
3	* 2.484	30.48	RMS	31.9	-20.6	0	41.78	54	-12.22	-	-	325	282	H
4	2.555	31.46	RMS	32	-20.5	0	42.96	54	-11.04	-	-	325	282	H

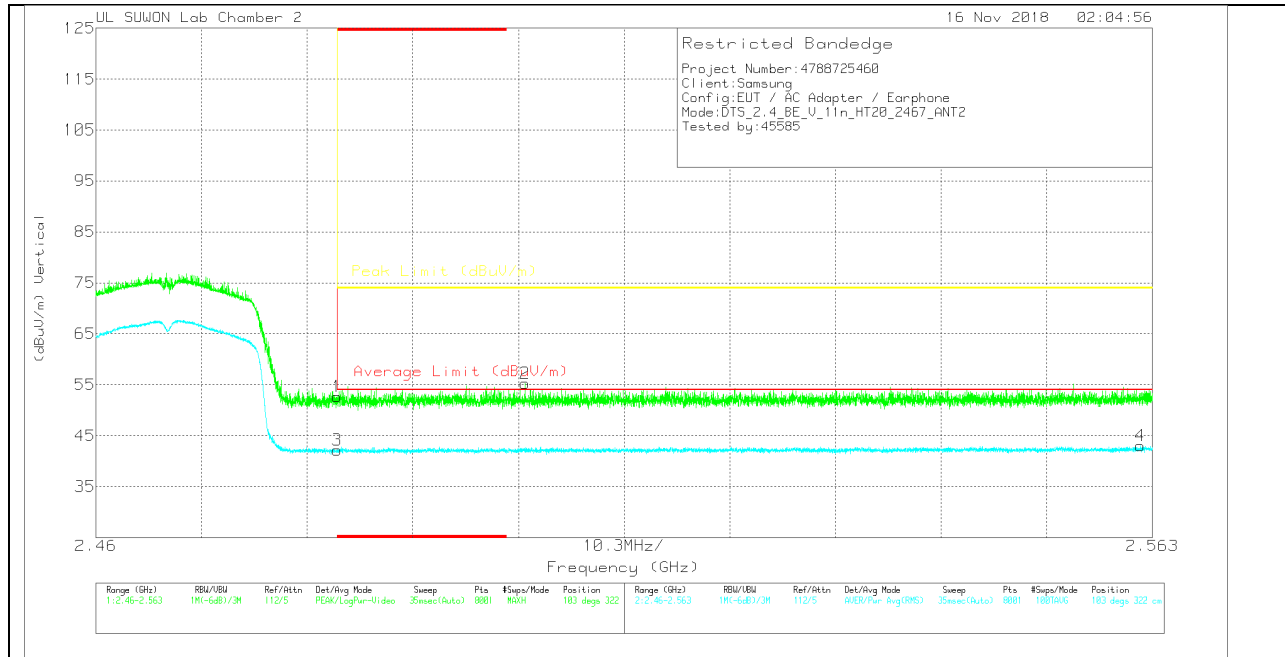
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	41.34	Pk	31.9	-20.6	0	52.64	-	-	74	-21.36	103	322	V
2	2.502	43.93	Pk	31.9	-20.6	0	55.23	-	-	74	-18.77	103	322	V
3	* 2.484	30.85	RMS	31.9	-20.6	0	42.15	54	-11.85	-	-	103	322	V
4	2.562	31.41	RMS	32	-20.4	0	43.01	54	-10.99	-	-	103	322	V

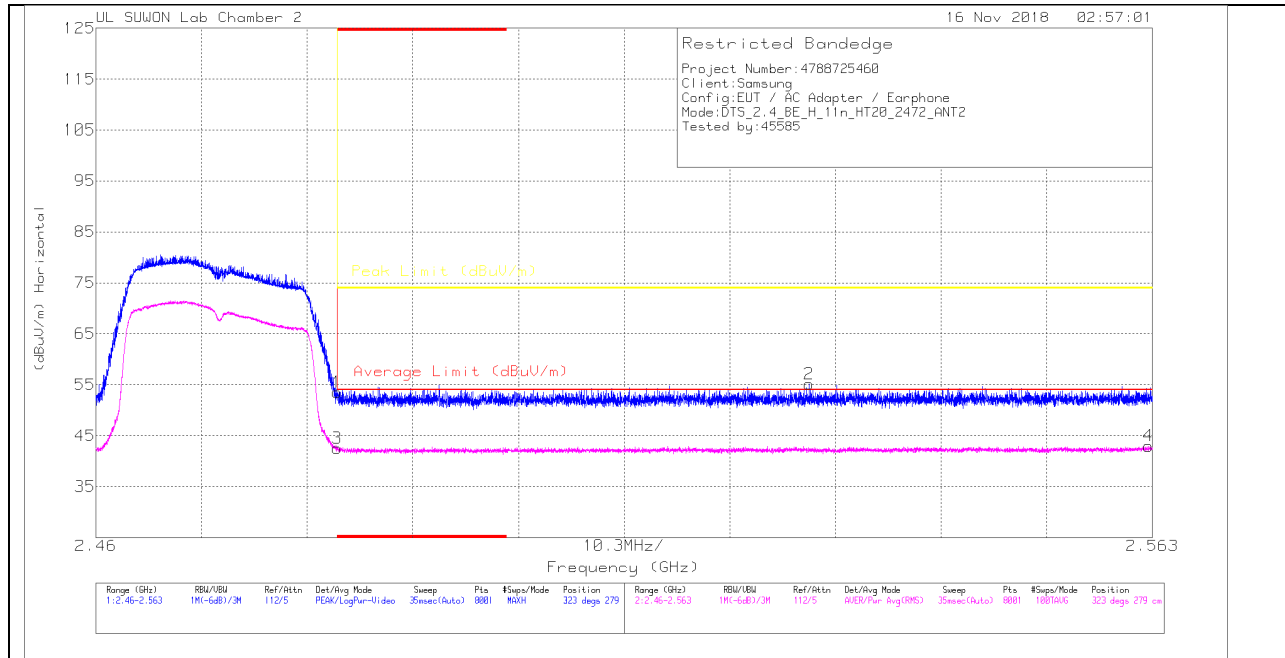
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (13 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

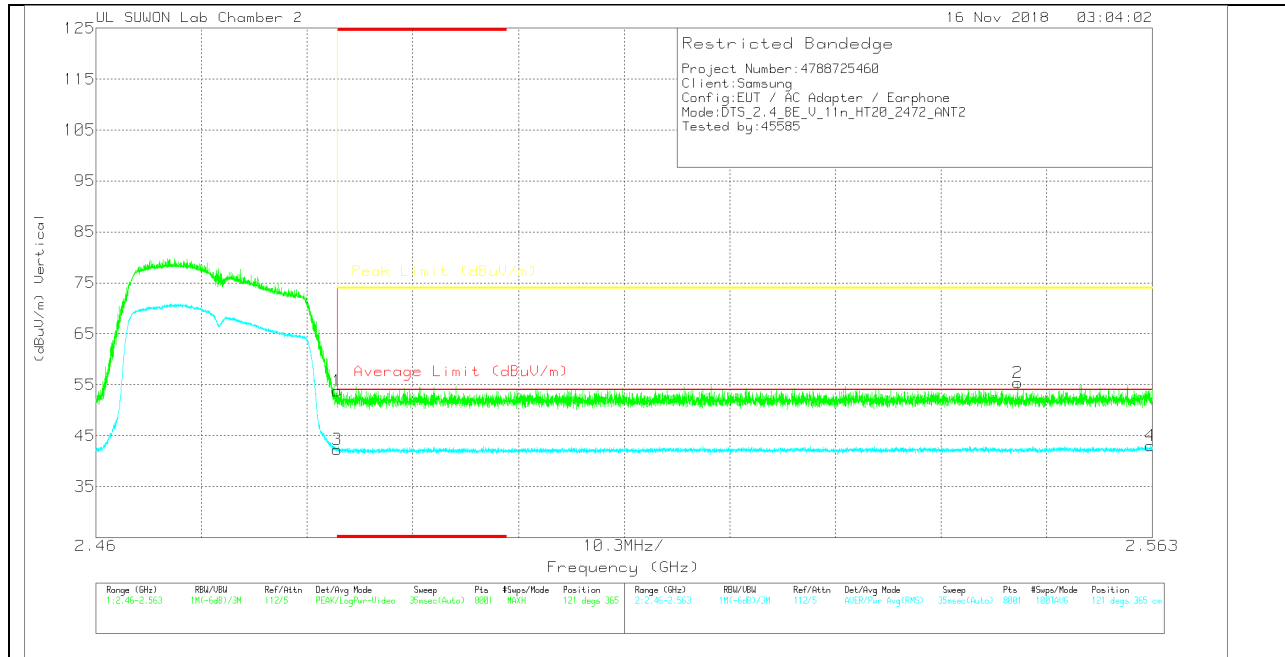
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.28	Pk	31.9	-20.6	0	53.58	-	-	74	-20.42	323	279	H
2	2.53	43.78	Pk	32	-20.6	0	55.18	-	-	74	-18.82	323	279	H
3	* 2.484	31.23	RMS	31.9	-20.6	0	42.53	54	-11.47	-	-	323	279	H
4	2.563	31.27	RMS	32	-20.3	0	42.97	54	-11.03	-	-	323	279	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.44	Pk	31.9	-20.6	0	53.74	-	-	74	-20.26	121	365	V
2	2.55	44	Pk	32	-20.6	0	55.4	-	-	74	-18.6	121	365	V
3	* 2.484	30.99	RMS	31.9	-20.6	0	42.29	54	-11.71	-	-	121	365	V
4	2.563	31.45	RMS	32	-20.4	0	43.05	54	-10.95	-	-	121	365	V

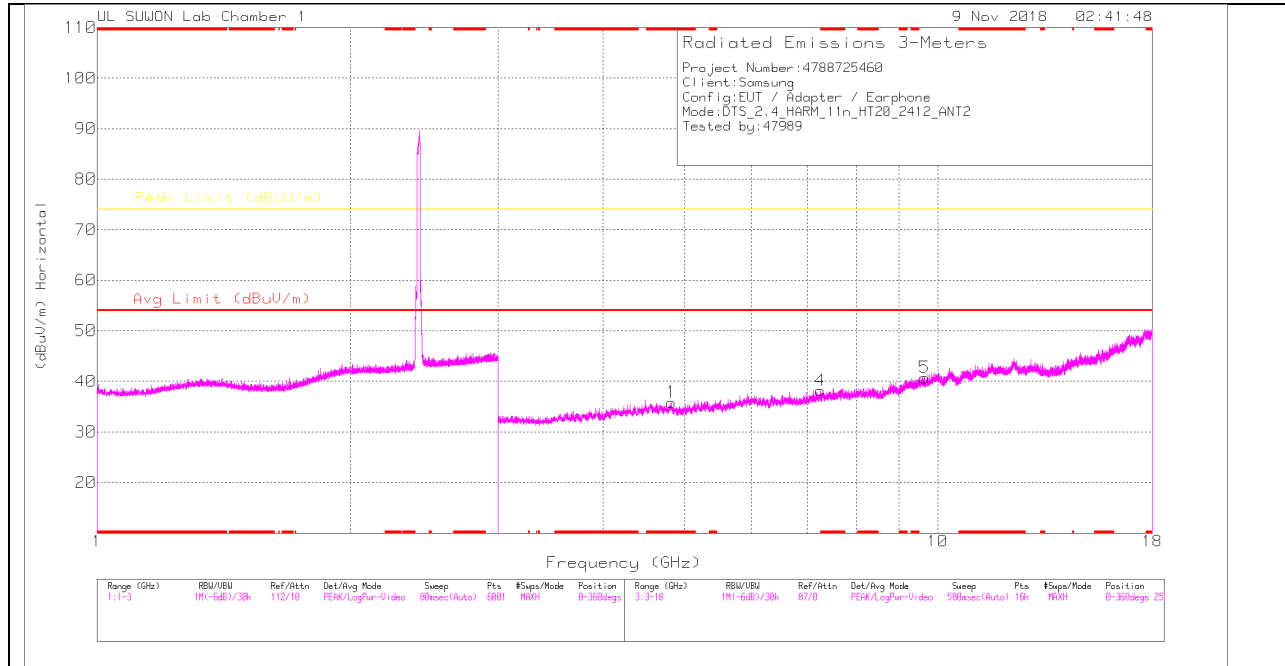
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

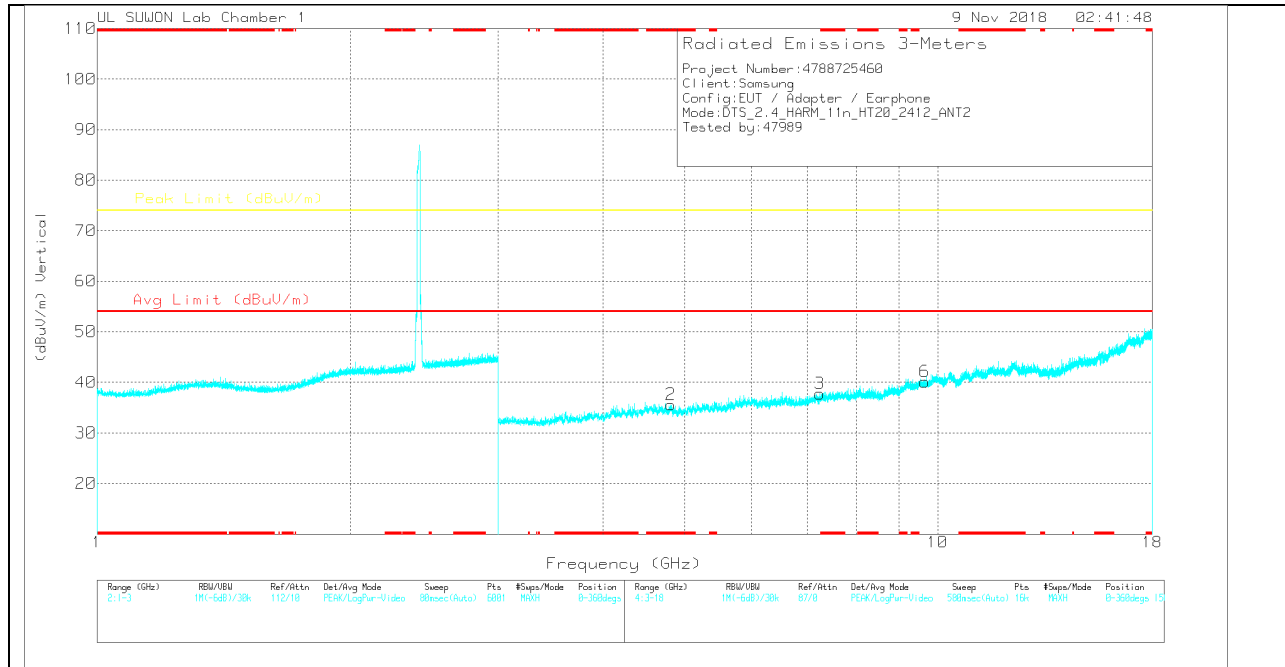
RMS - RMS detection

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



#### LOW CHANNEL VERTICAL



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

**LOW CHANNEL DATA**

Trace Markers

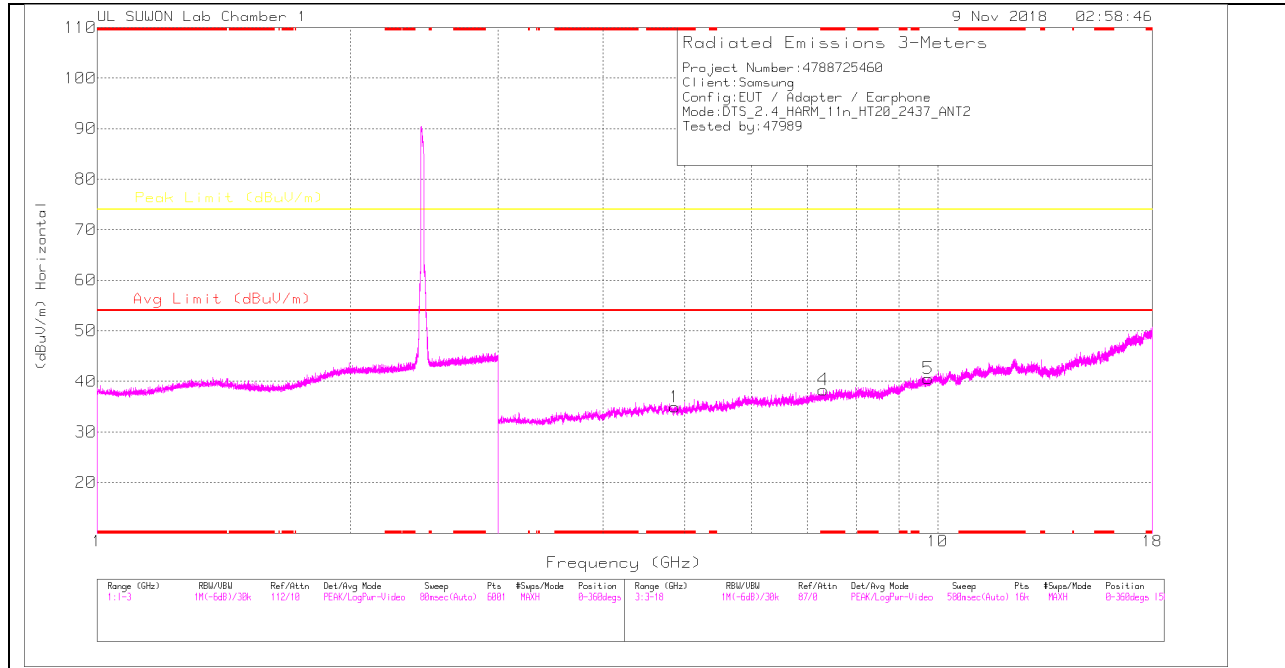
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.821	33.04	PK	34.2	-31.4	0	35.84	-	-	74	-38.16	0-360	150	H
4	7.248	30.19	PK	35.8	-27.8	0	38.19	-	-	74	-35.81	0-360	150	H
5	9.645	26.83	PK	37.1	-23.2	0	40.73	-	-	74	-33.27	0-360	250	H
2	* 4.818	32.69	PK	34.2	-31.3	0	35.59	-	-	74	-38.41	0-360	250	V
3	7.241	29.76	PK	35.8	-27.8	0	37.76	-	-	74	-36.24	0-360	150	V
6	9.649	26.32	PK	37.1	-23.3	0	40.12	-	-	74	-33.88	0-360	150	V

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

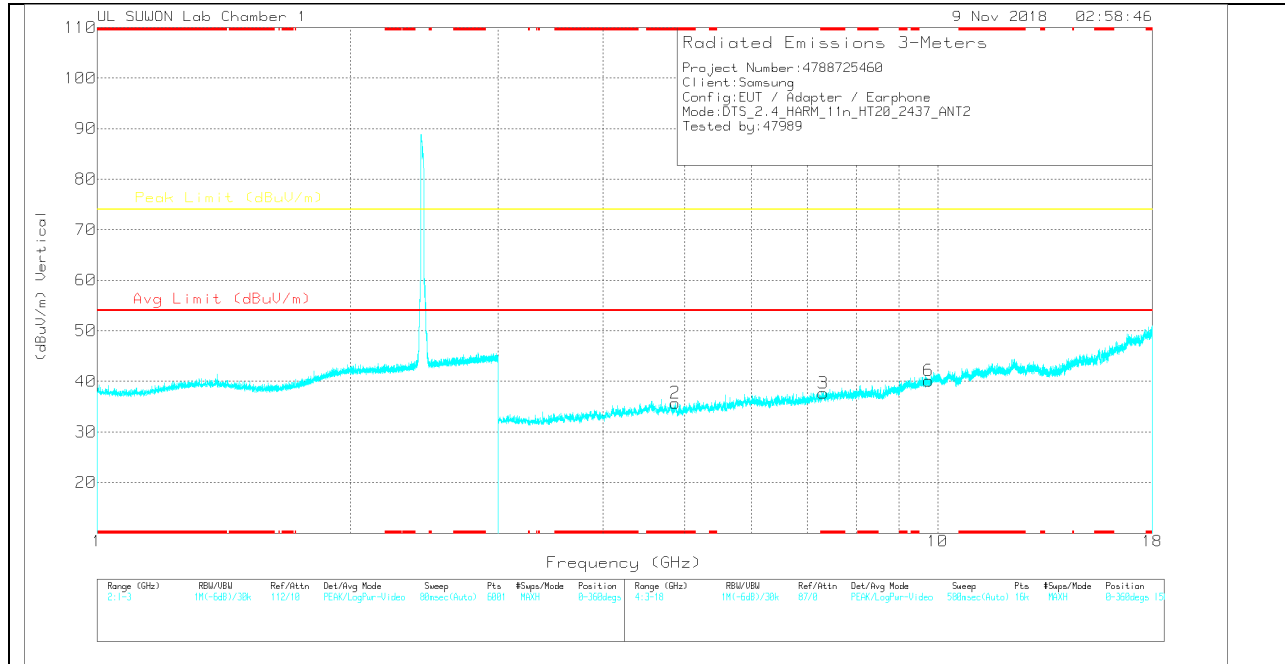
PK – Peak detector

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

**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**

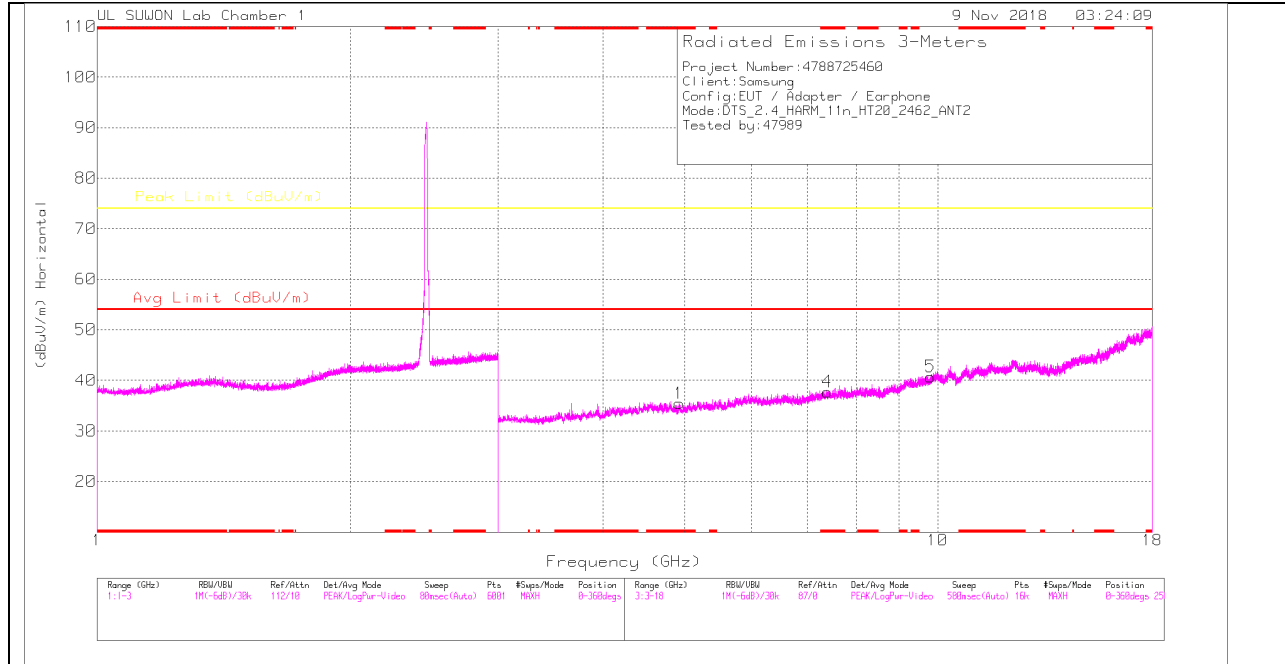
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	* 4.868	32.22	PK	34.2	-31.5	0	34.92	-	-	74	-39.08	0-360	250	H
4	* 7.31	30.04	PK	35.8	-27.5	0	38.34	-	-	74	-35.66	0-360	250	H
5	9.743	27.26	PK	37.2	-23.9	0	40.56	-	-	74	-33.44	0-360	250	H
2	* 4.875	33.02	PK	34.2	-31.5	0	35.72	-	-	74	-38.28	0-360	250	V
3	* 7.308	29.28	PK	35.8	-27.4	0	37.68	-	-	74	-36.32	0-360	150	V
6	9.75	26.82	PK	37.2	-23.9	0	40.12	-	-	74	-33.88	0-360	150	V

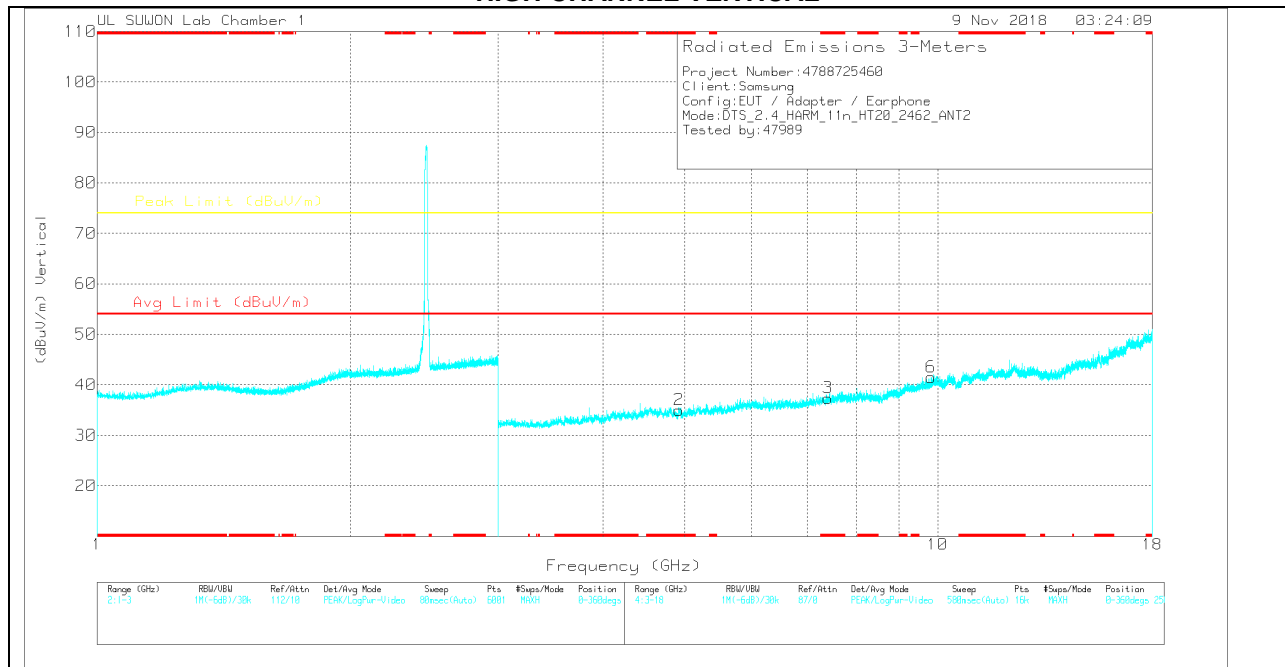
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak detector

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

**HIGH CHANNEL HORIZONTAL**



**HIGH CHANNEL VERTICAL**



Note: Emission was scanned up to 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_00168717	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	* 4.927	32.84	PK	34.2	-31.6	0	35.44	-	-	74	-38.56	0-360	250	H
4	* 7.392	28.83	PK	35.8	-26.9	0	37.73	-	-	74	-36.27	0-360	150	H
5	9.805	27.12	PK	37.3	-23.7	0	40.72	-	-	74	-33.28	0-360	150	H
2	* 4.926	32.3	PK	34.2	-31.5	0	35	-	-	74	-39	0-360	150	V
3	* 7.399	28.47	PK	35.8	-26.9	0	37.37	-	-	74	-36.63	0-360	150	V
6	9.813	27.78	PK	37.3	-23.6	0	41.48	-	-	74	-32.52	0-360	250	V

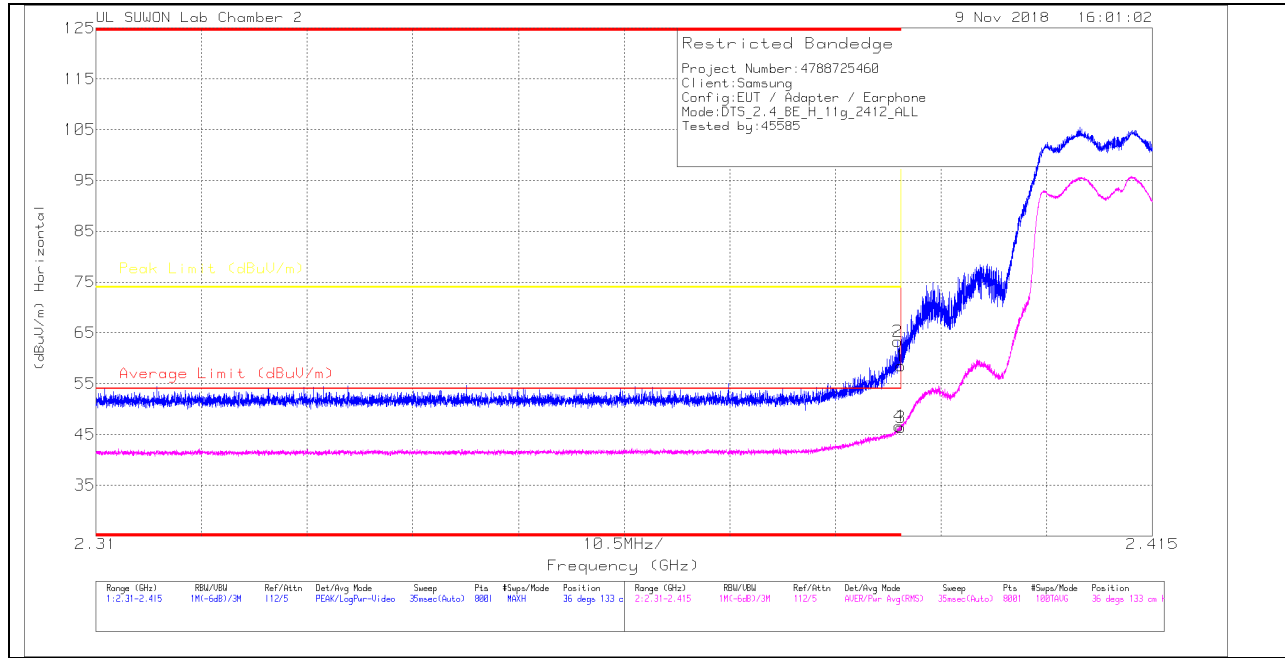
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak detector

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

11.2.7. 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

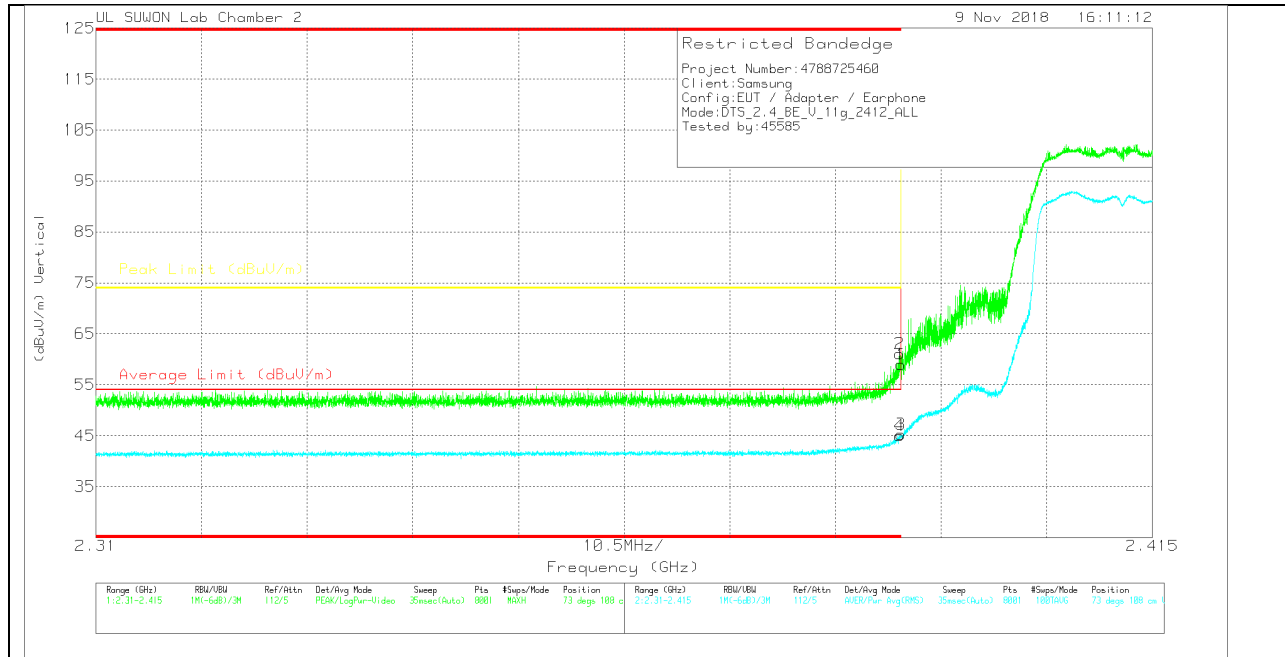
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	* 2.39	47.67	Pk	31.6	-20.8	0	58.47	-	-	74	-15.53	36	133	H
2	* 2.39	52.56	Pk	31.6	-20.8	0	63.36	-	-	74	-10.64	36	133	H
3	* 2.39	35.61	RMS	31.6	-20.8	0	46.41	54	-7.59	-	-	36	133	H
4	* 2.39	35.76	RMS	31.6	-20.8	0	46.56	54	-7.44	-	-	36	133	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	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	* 2.39	48.16	Pk	31.6	-20.8	0	58.96	-	-	74	-15.04	73	108	V
2	* 2.39	50.24	Pk	31.6	-20.8	0	61.04	-	-	74	-12.96	73	108	V
3	* 2.39	34.44	RMS	31.6	-20.8	0	45.24	54	-8.76	-	-	73	108	V
4	* 2.39	34.22	RMS	31.6	-20.8	0	45.02	54	-8.98	-	-	73	108	V

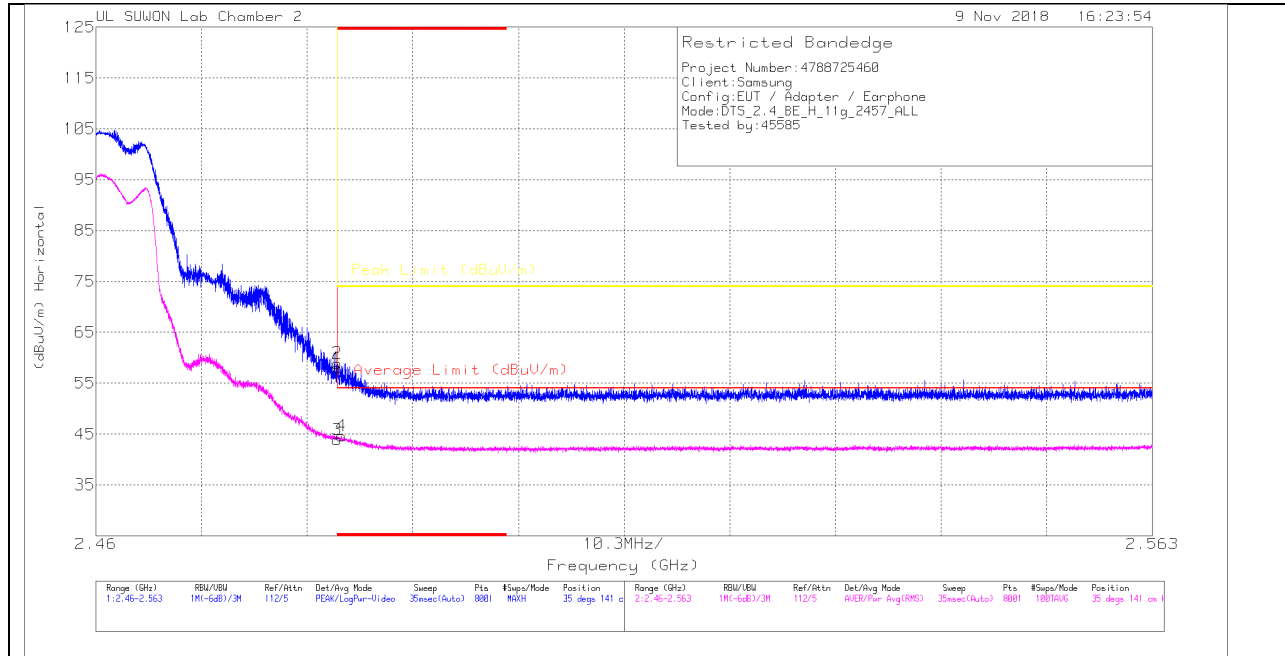
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

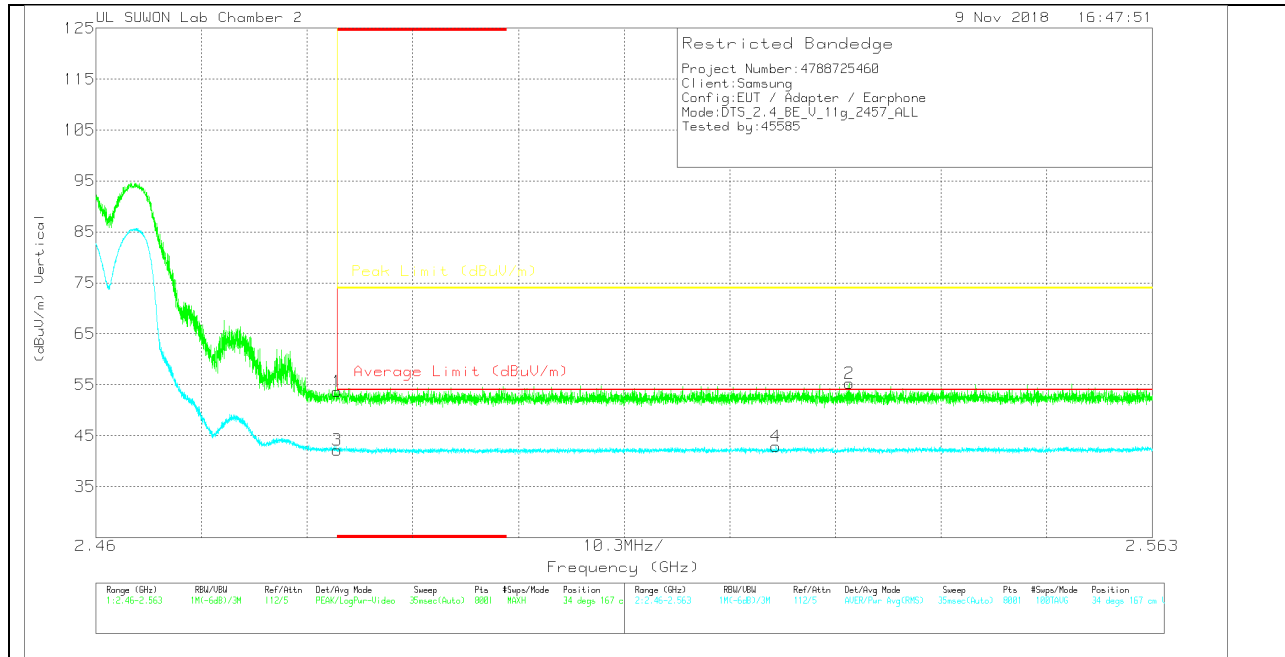
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.69	PK	31.9	-20.6	0	57.99	-	-	74	-16.01	35	141	H
2	* 2.484	47.62	PK	31.9	-20.6	0	58.92	-	-	74	-15.08	35	141	H
3	* 2.484	32.65	RMS	31.9	-20.6	0	43.95	54	-10.05	-	-	35	141	H
4	* 2.484	33.33	RMS	31.9	-20.6	0	44.63	54	-9.37	-	-	35	141	H

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

PK - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.32	Pk	31.9	-20.6	0	53.62	-	-	74	-20.38	34	167	V
2	2.533	43.78	Pk	32	-20.5	0	55.28	-	-	74	-18.72	34	167	V
3	* 2.484	30.88	RMS	31.9	-20.6	0	42.18	54	-11.82	-	-	34	167	V
4	2.526	31.59	RMS	31.9	-20.6	0	42.89	54	-11.11	-	-	34	167	V

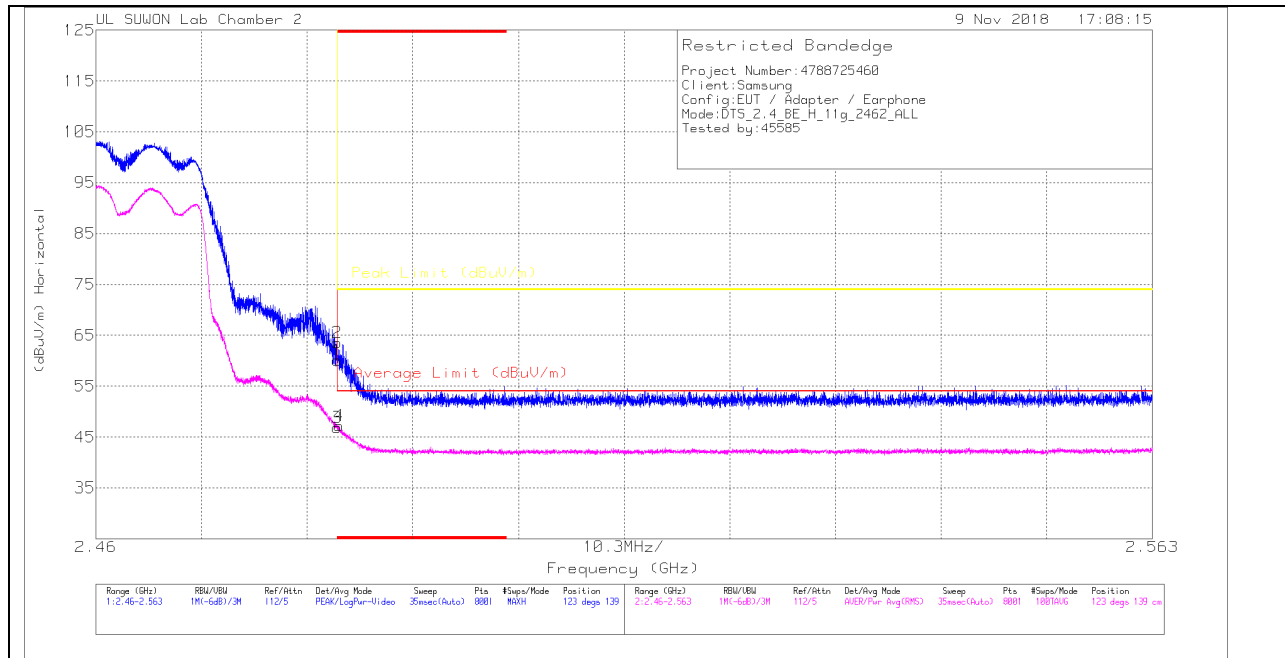
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (11 CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

**Trace Markers**

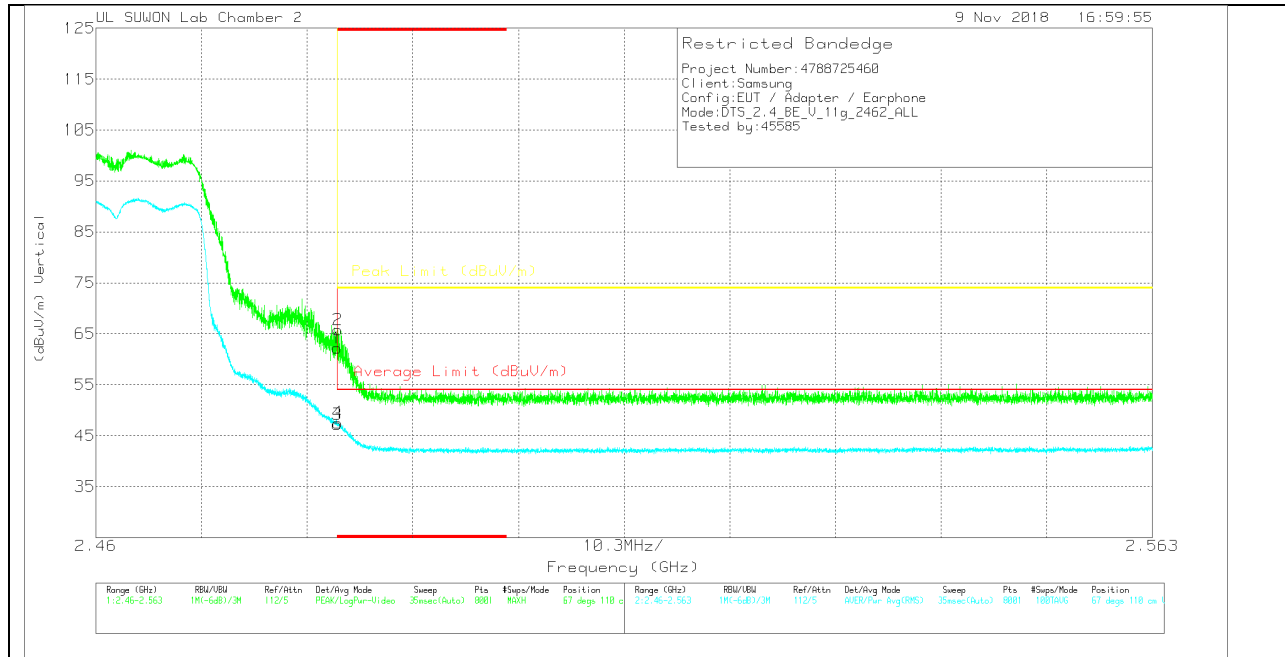
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	48.78	Pk	31.9	-20.6	0	60.08	-	-	74	-13.92	123	139	H
2	* 2.484	52.21	Pk	31.9	-20.6	0	63.51	-	-	74	-10.49	123	139	H
3	* 2.484	35.51	RMS	31.9	-20.6	0	46.81	54	-7.19	-	-	123	139	H
4	* 2.484	35.92	RMS	31.9	-20.6	0	47.22	54	-6.78	-	-	123	139	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.91	Pk	31.9	-20.6	0	62.21	-	-	74	-11.79	67	110	V
2	* 2.484	54.5	Pk	31.9	-20.6	0	65.8	-	-	74	-8.2	67	110	V
3	* 2.484	35.95	RMS	31.9	-20.6	0	47.25	54	-6.75	-	-	67	110	V
4	* 2.484	36.24	RMS	31.9	-20.6	0	47.54	54	-6.46	-	-	67	110	V

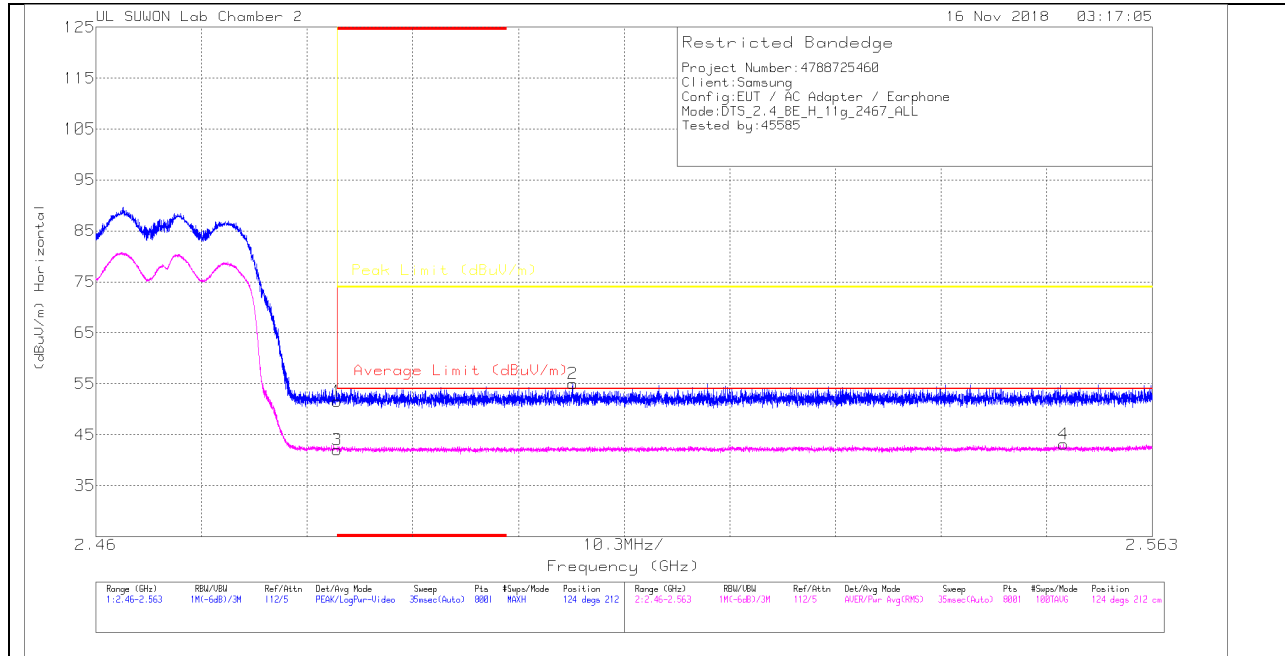
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.25	Pk	31.9	-20.6	0	51.55	-	-	74	-22.45	124	212	H
2	2.506	43.71	Pk	31.9	-20.6	0	55.01	-	-	74	-18.99	124	212	H
3	* 2.484	30.75	RMS	31.9	-20.6	0	42.05	54	-11.95	-	-	124	212	H
4	2.554	31.5	RMS	32	-20.4	0	43.1	54	-10.9	-	-	124	212	H

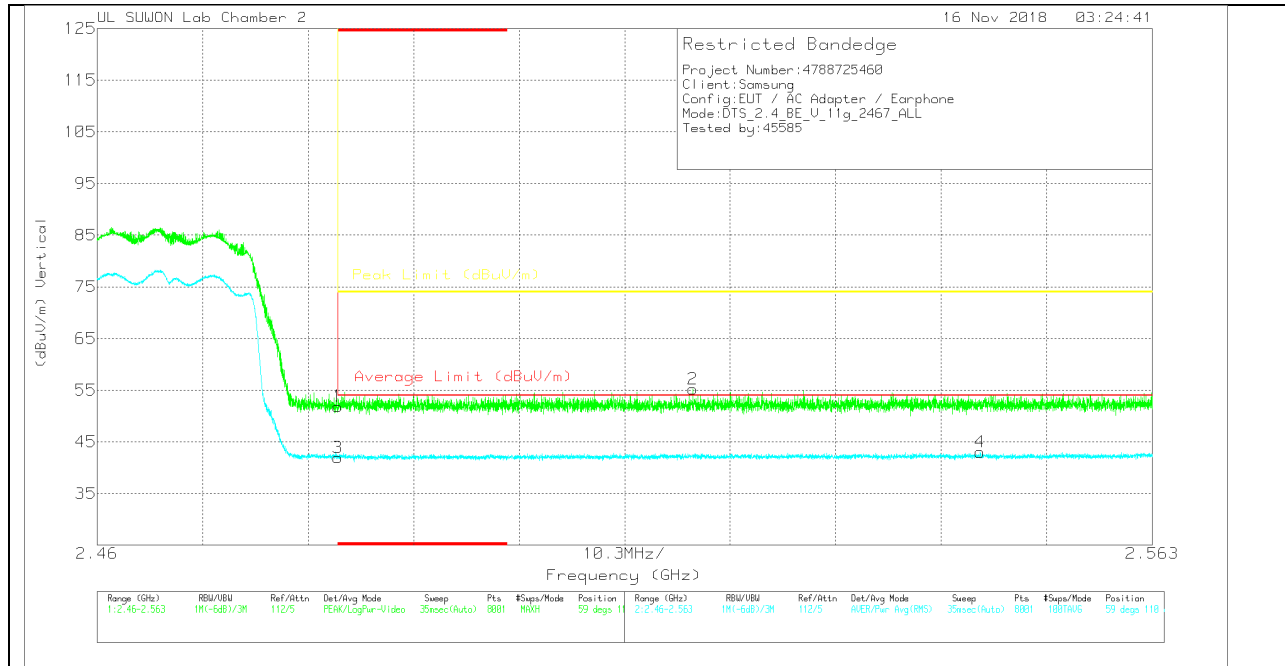
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.484	40.56	Pk	31.9	-20.6	0	51.86	-	-	74	-22.14	59	110	V
2	2.518	43.82	Pk	31.9	-20.5	0	55.22	-	-	74	-18.78	59	110	V
3	* 2.484	30.64	RMS	31.9	-20.6	0	41.94	54	-12.06	-	-	59	110	V
4	2.546	31.52	RMS	32	-20.5	0	43.02	54	-10.98	-	-	59	110	V

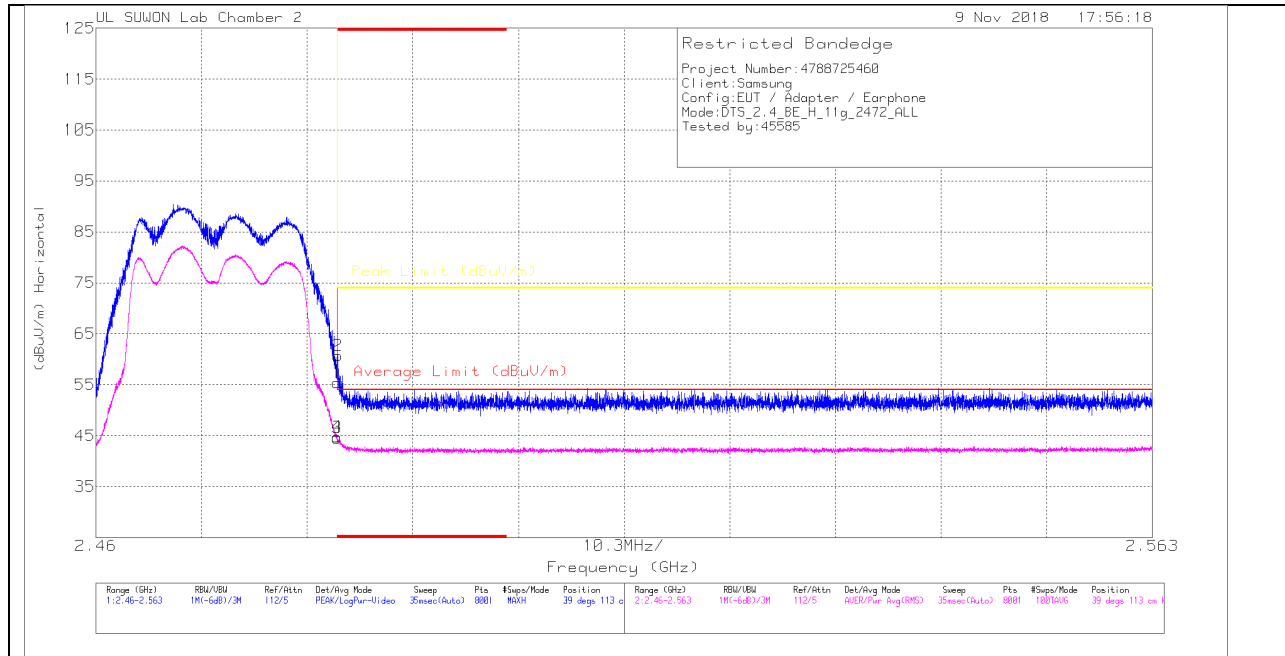
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

### AUTHORIZED BANDEDGE (13 CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

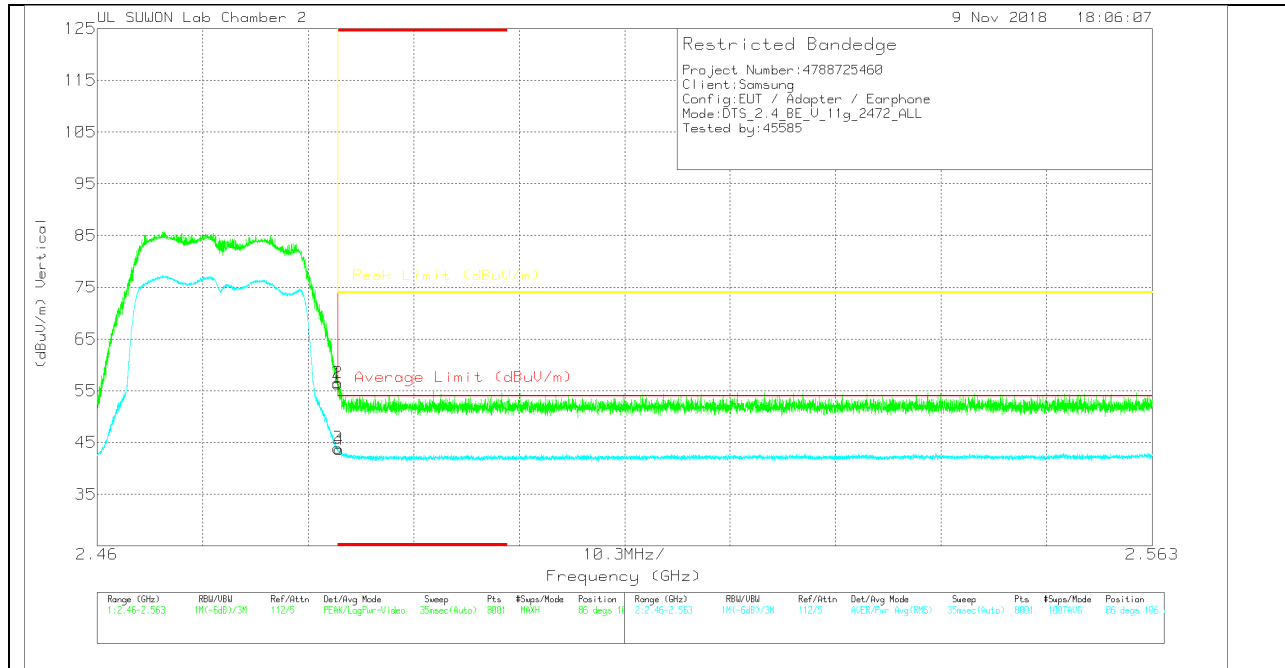
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	* 2.484	44.16	PK	31.9	-20.6	0	55.46	-	-	74	-18.54	39	113	H
2	* 2.484	49.36	PK	31.9	-20.6	0	60.66	-	-	74	-13.34	39	113	H
3	* 2.484	33.28	RMS	31.9	-20.6	0	44.58	54	-9.42	-	-	39	113	H
4	* 2.484	33.49	RMS	31.9	-20.6	0	44.79	54	-9.21	-	-	39	113	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB[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	45.02	Pk	31.9	-20.6	56.32	-	-	74	-17.68	86	106	V
2	* 2.484	45.28	PK	31.9	-20.6	56.58	-	-	74	-17.42	86	106	V
3	* 2.484	32.64	RMS	31.9	-20.6	43.94	54	-10.06	-	-	86	106	V
4	* 2.484	32.35	RMS	31.9	-20.6	43.65	54	-10.35	-	-	86	106	V

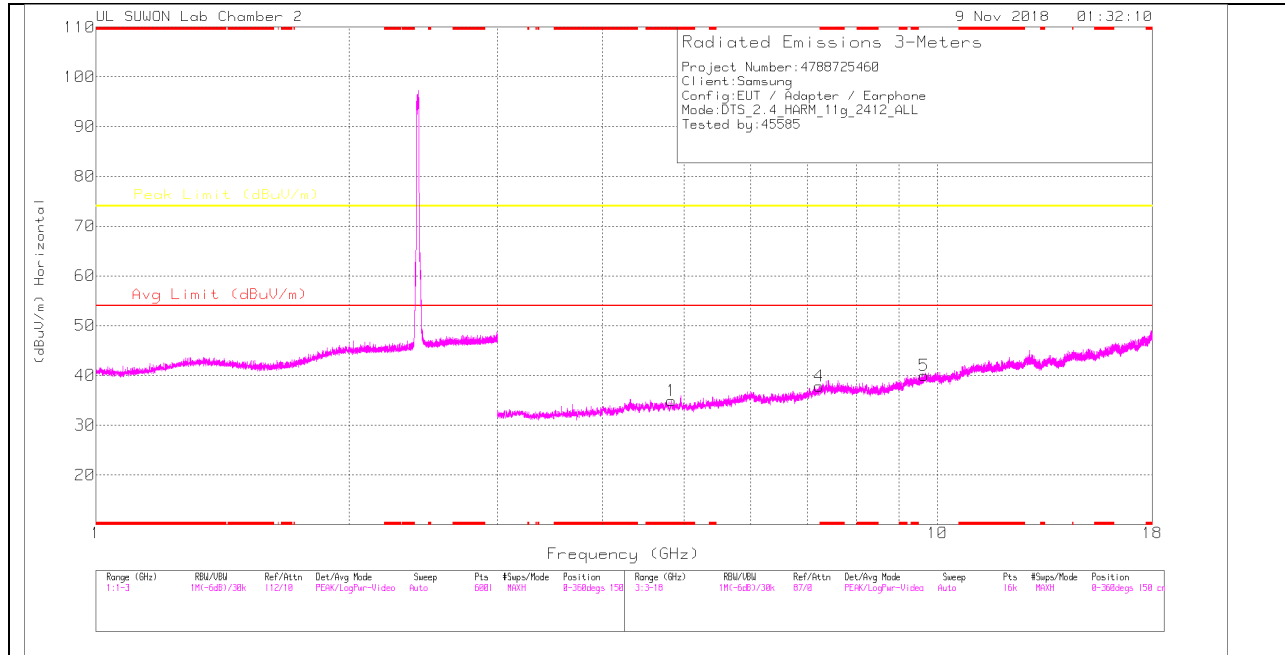
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

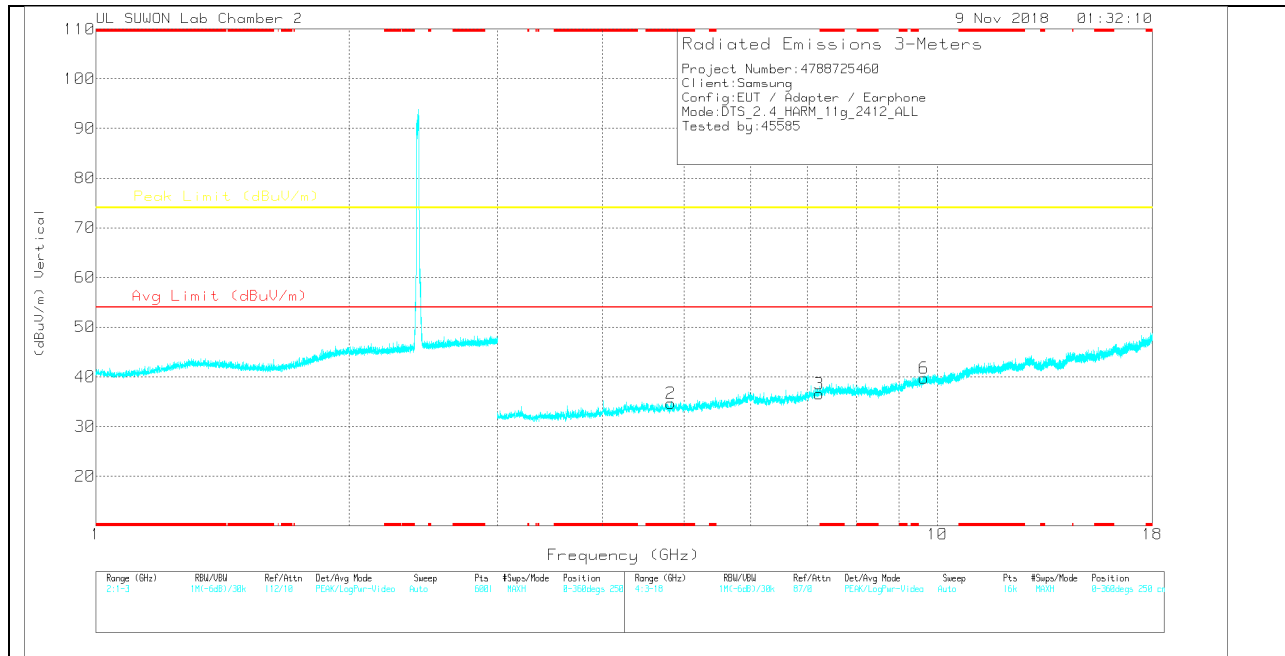
RMS - RMS detection

### HARMONICS AND SPURIOUS EMISSIONS

#### LOW CHANNEL HORIZONTAL



#### LOW CHANNEL VERTICAL



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

**LOW CHANNEL DATA**

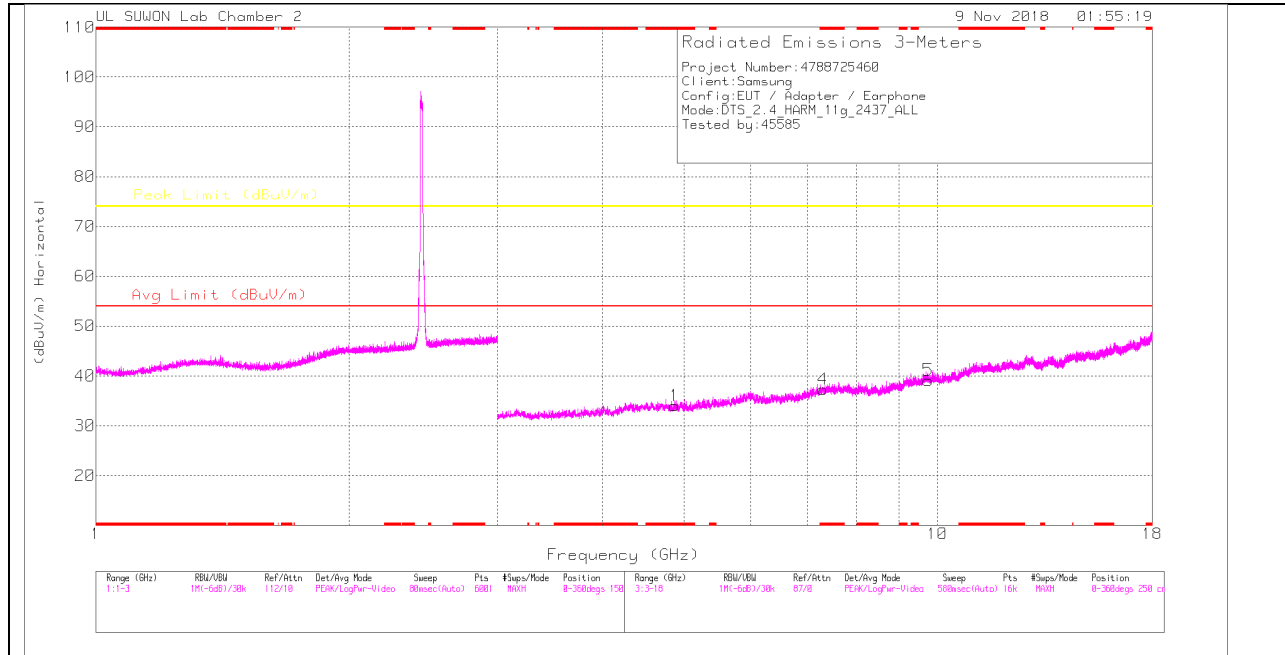
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.828	29.01	PK	34	-28.1	0	34.91	-	-	74	-39.09	0-360	250	H
4	7.234	27.28	PK	36.1	-25.5	0	37.88	-	-	74	-36.12	0-360	250	H
5	9.646	24.73	PK	37	-21.7	0	40.03	-	-	74	-33.97	0-360	250	H
2	* 4.82	28.72	PK	34	-28.1	0	34.62	-	-	74	-39.38	0-360	150	V
3	7.236	25.99	PK	36.1	-25.5	0	36.59	-	-	74	-37.41	0-360	250	V
6	9.648	24.3	PK	37	-21.6	0	39.7	-	-	74	-34.3	0-360	150	V

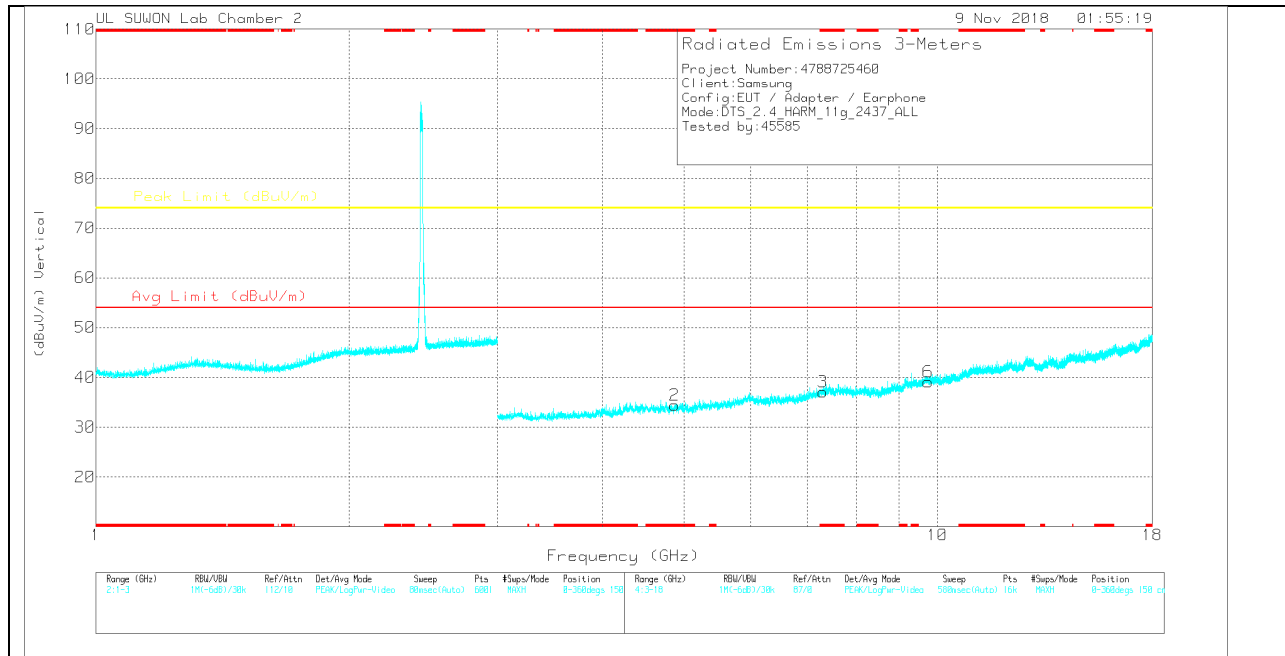
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

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

**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

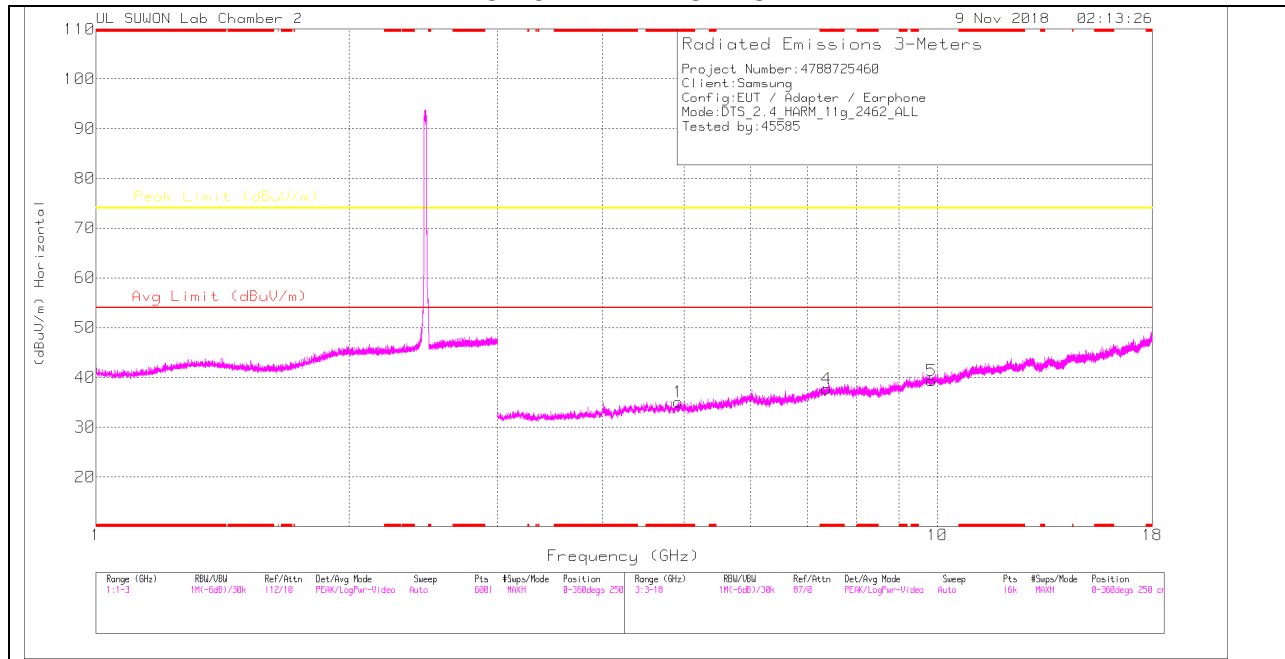
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	3GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875	28.02	PK	34	-28	0	34.02	-	-	74	-39.98	0-360	250	H
4	* 7.311	26.1	PK	36.2	-25	0	37.3	-	-	74	-36.7	0-360	150	H
5	9.749	23.36	PK	37.2	-21.4	0	39.16	-	-	74	-34.84	0-360	150	H
2	* 4.873	28.38	PK	34	-28	0	34.38	-	-	74	-39.62	0-360	150	V
3	* 7.311	25.92	PK	36.2	-25	0	37.12	-	-	74	-36.88	0-360	150	V
6	9.749	23.3	PK	37.2	-21.4	0	39.1	-	-	74	-34.9	0-360	250	V

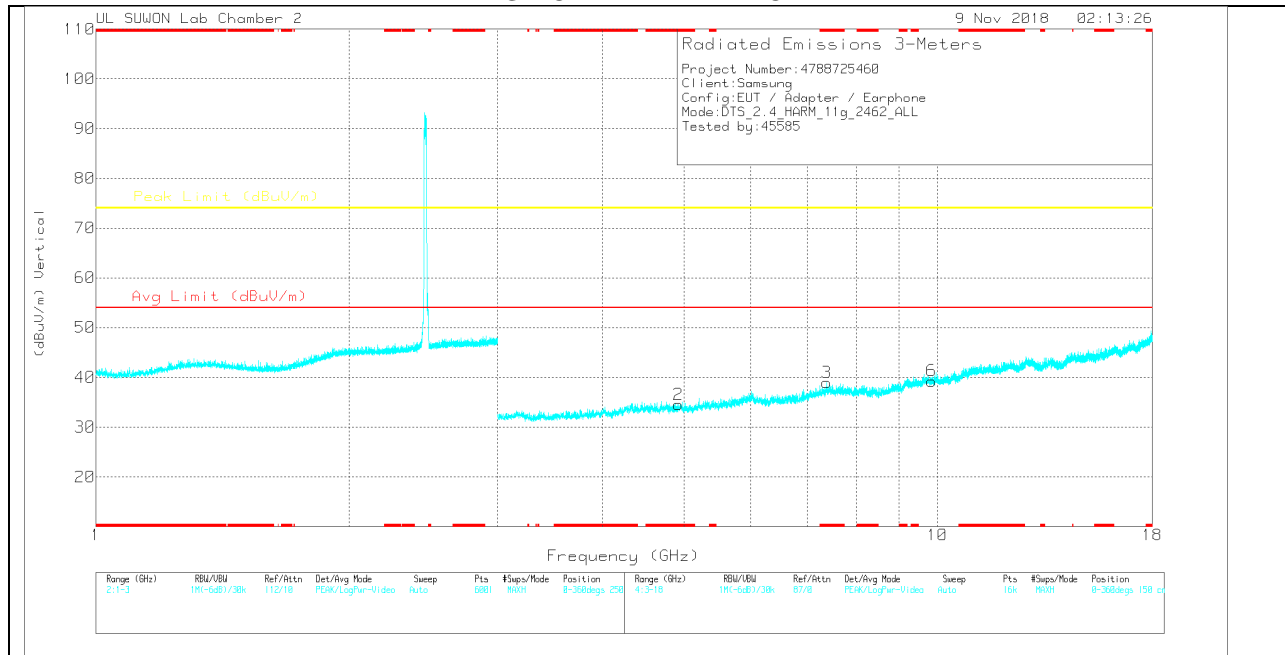
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK – Peak Detector

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

**HIGH CHANNEL HORIZONTAL**



**HIGH CHANNEL VERTICAL**



Note: Emission was scanned up to 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_00168724	3GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.919	28.35	PK	34	-27.3	0	35.05	-	-	74	-38.95	0-360	250	H
4	* 7.387	25.75	PK	36.2	-24.2	0	37.75	-	-	74	-36.25	0-360	250	H
5	9.848	23.84	PK	37.3	-21.8	0	39.34	-	-	74	-34.66	0-360	250	H
2	* 4.923	27.85	PK	34	-27.3	0	34.55	-	-	74	-39.45	0-360	150	V
3	* 7.385	27.08	PK	36.2	-24.3	0	38.98	-	-	74	-35.02	0-360	250	V
6	9.848	23.79	PK	37.3	-21.8	0	39.29	-	-	74	-34.71	0-360	250	V

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

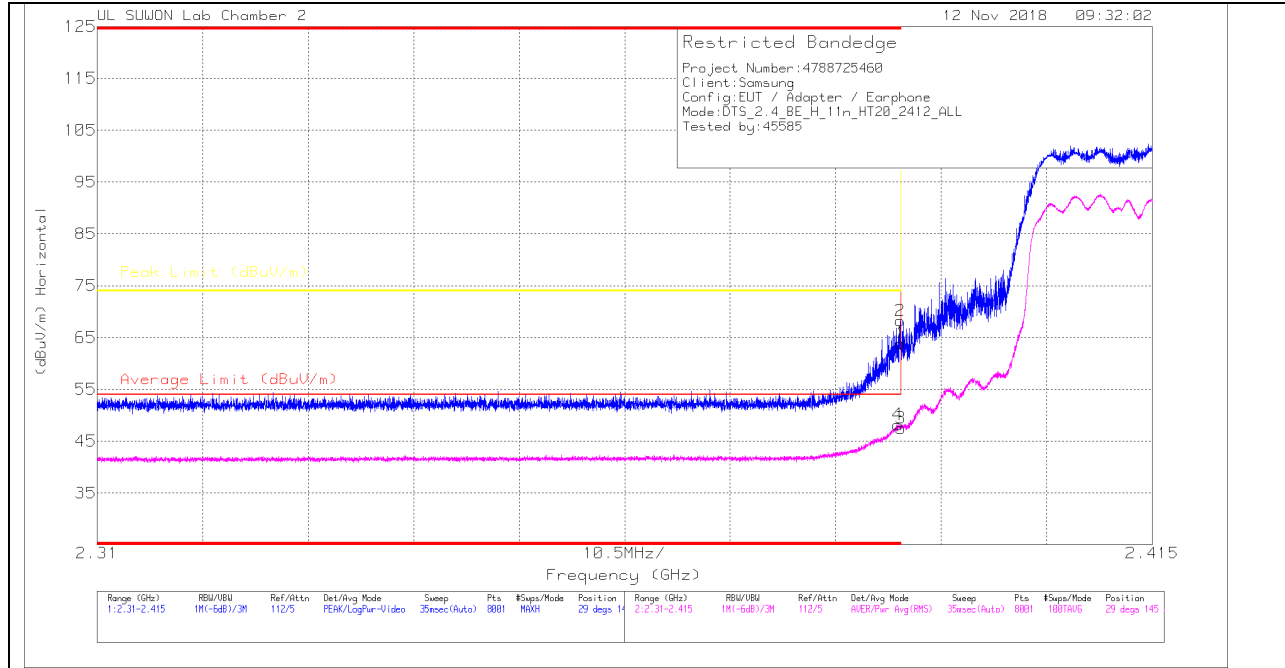
PK – Peak Detector

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

11.2.8. 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

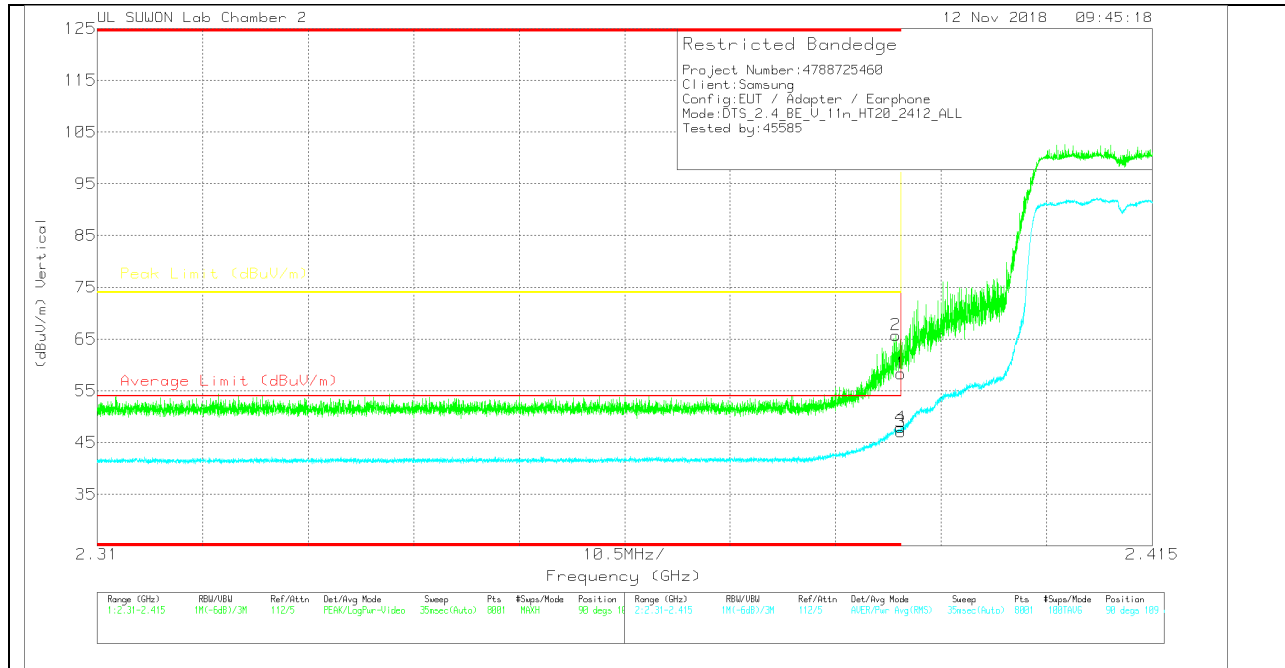
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.13	Pk	31.6	-20.8	0	63.93	-	-	74	-10.07	29	145	H
2	* 2.39	57.45	Pk	31.6	-20.8	0	68.25	-	-	74	-5.75	29	145	H
3	* 2.39	36.72	RMS	31.6	-20.8	0	47.52	54	-6.48	-	-	29	145	H
4	* 2.39	37.4	RMS	31.6	-20.8	0	48.2	54	-5.8	-	-	29	145	H

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

Pk - Peak detector

RMS - RMS detection

**VERTICAL PEAK AND AVERAGE PLOT**



**VERTICAL DATA**

**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	47.54	Pk	31.6	-20.8	0	58.34	-	-	74	-15.66	90	109	V
2	* 2.389	54.96	Pk	31.6	-20.8	0	65.76	-	-	74	-8.24	90	109	V
3	* 2.39	36.3	RMS	31.6	-20.8	0	47.1	54	-6.9	-	-	90	109	V
4	* 2.39	37.12	RMS	31.6	-20.8	0	47.92	54	-6.08	-	-	90	109	V

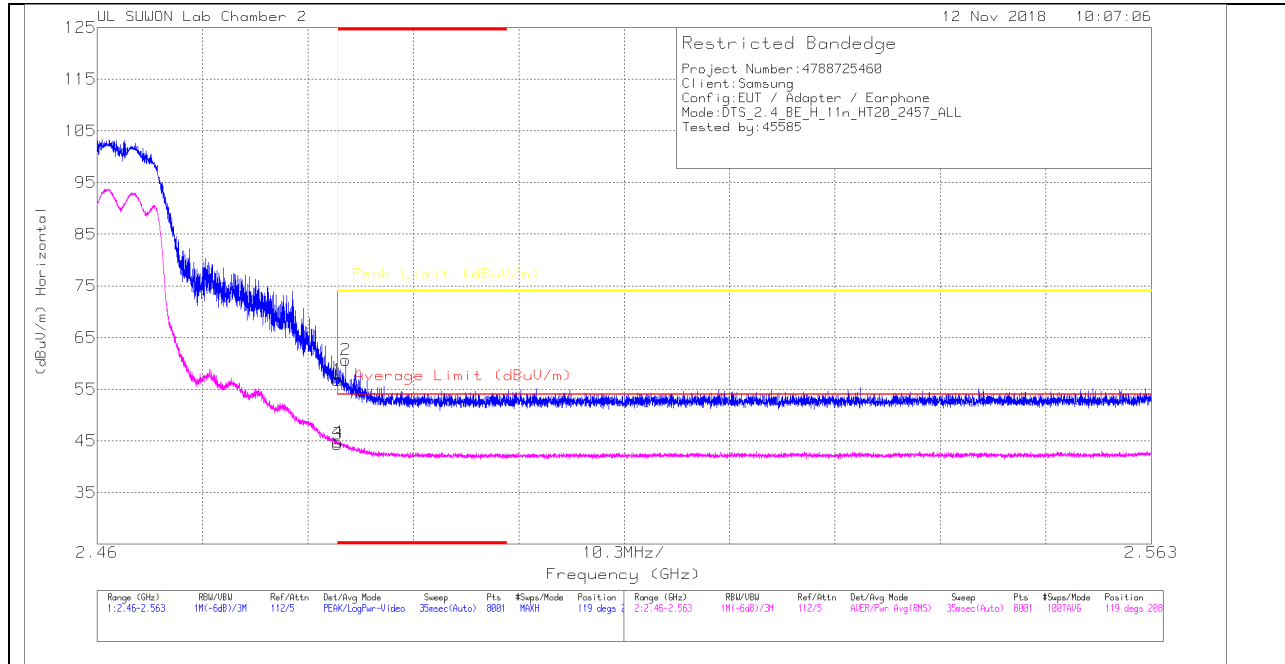
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HORIZONTAL PEAK AND AVERAGE PLOT**



**HORIZONTAL DATA**

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB(dB)	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	45.46	Pk	31.9	-20.6	0	56.76	-	-	74	-17.24	119	208	H
2	* 2.484	49.37	Pk	31.9	-20.6	0	60.67	-	-	74	-13.33	119	208	H
3	* 2.484	33.04	RMS	31.9	-20.6	0	44.34	54	-9.66	-	-	119	208	H
4	* 2.484	33.47	RMS	31.9	-20.6	0	44.77	54	-9.23	-	-	119	208	H

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

Pk - Peak detector

RMS - RMS detection