



TEST REPORT

Report Number. : 13211873-E15V1

Applicant : Samsung Electronics Co., Ltd.
129 Samsung-Ro, Yeongtong-Gu,
Suwon-Si, Gyeonggi-Do, 16677, Korea

Model : SM-A715W

FCC ID : A3LSMA715W

IC : 649E-SMA715W

EUT Description : GSM/WCDMA/LTE PHABLET WITH BT/BLE,DTS/UNII
A/B/G/N/AC, NFC AND ANT+

Test Standard(s) : FCC CFR47 PART 15 SUBPART B,
ICES-003 ISSUE 6
RSS-GEN ISSUE

Date Of Issue:
FEBRUARY 26, 2020

Prepared by:
UL Verification Services Inc.
47173 Benicia Street
Fremont, CA 94538, U.S.A.
TEL: (510) 319-4000
FAX: (510) 661-0888



NVLAP Lab code: 200065-0

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	2/26/2020	Initial Review	--

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	4
2. TEST METHODOLOGY	5
3. FACILITIES AND ACCREDITATION	5
4. CALIBRATION AND UNCERTAINTY	6
4.1. MEASURING INSTRUMENT CALIBRATION.....	6
4.2. SAMPLE CALCULATION.....	6
4.3. MEASUREMENT UNCERTAINTY.....	6
4.4. DECISION RULE.....	6
5. EQUIPMENT UNDER TEST	7
5.1. DESCRIPTION OF EUT.....	7
5.2. TEST MODE.....	7
5.3. WORST-CASE CONFIGURATION AND MODE.....	8
5.4. DESCRIPTION OF TEST SETUP.....	9
6. TEST AND MEASUREMENT EQUIPMENT	11
7. RADIATED TEST RESULTS	12
7.1. APPLICABLE LIMITS AND TEST RESULTS.....	12
8. DATA FOR 15B RECEIVER MODE	13
8.1. LTE Band 5.....	13
8.2. LTE Band 12.....	25
8.3. LTE Band 13.....	37
8.4. LTE Band 71.....	49
9. SETUP PHOTOS	61

1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	SAMSUNG ELECTRONICS CO., LTD. 129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 16677, KOREA
Model	SM-A715W
FCC ID	A3LSMA715W
IC	649E-SMA715W
EUT Description	GSM/WCDMA/LTE PHABLET WITH BT/BLE,DTS/UNII A/B/G/N/AC, NFC AND ANT+
Serial Number	RADIATED: R38N108PG2D, R38N108PFHB, R38N108PGNH
Date Tested	FEBRUARY 17, 2020 to FEBRUARY 20, 2020
Applicable Standards	PART 15 SUBPART B, ICES-003 ISSUE 6 and RSS-GEN ISSUE 5
Test Results	COMPLIES

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of the U.S. government.

Approved & Released By: 	Reviewed By: 	Prepared By: 
Dan Corona Operations Leader UL Verification Services Inc.	Steven Tran Project Engineer UL Verification Services Inc.	Rolly Alegre Test Engineer UL Verification Services Inc.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the following:

- FCC CFR 47 Part 2,
- FCC CFR 47 Part 15B
- ICES-003 ISSUE 6
- RSS-GEN ISSUE 5
- ANSI C63.4:2014

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, and 47658 Kato Road, Fremont, California, USA. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street	47658 Kato Road
<input type="checkbox"/> Chamber A	<input type="checkbox"/> Chamber D	<input type="checkbox"/> Chamber I
<input type="checkbox"/> Chamber B	<input type="checkbox"/> Chamber E	<input checked="" type="checkbox"/> Chamber J
<input type="checkbox"/> Chamber C	<input type="checkbox"/> Chamber F	<input type="checkbox"/> Chamber K
	<input type="checkbox"/> Chamber G	<input type="checkbox"/> Chamber L
	<input type="checkbox"/> Chamber H	<input type="checkbox"/> Chamber M

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. Chambers above are covered under Industry Canada company address and respective code: 2324A.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 9KHz to 0.15 MHz	3.39 dB
Conducted Disturbance, 0.15 to 30 MHz	3.07 dB
Radiated Disturbance, 9KHz to 30 MHz	2.52 dB
Radiated Disturbance, 30 to 1000 MHz	4.88 dB
Radiated Disturbance, 1000 to 18000 MHz	4.24 dB
Radiated Disturbance, 18000 to 26000 MHz	4.37 dB
Radiated Disturbance, 26000 to 40000 MHz	5.17 dB
Occupied Channel Bandwidth	±0.39 %
Temperature	±0.9 °C
Supply voltages	±0.45 %
Time	±0.02 %

Uncertainty figures are valid to a confidence level of 95%.

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Procedure 1, Clause 4.4.2 in IEC Guide 115:2007.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE Phablet with BT/BLE,DTS/UNII a/b/g/n/ac, NFC and ANT+. The model SM-A715W was used for final testing and is representative of the test results in this report.

5.2. TEST MODE

Mode	Description
LTE Band 5	Communicating with Callbox Simulator (CMW500)
LTE Band 12	Communicating with Callbox Simulator (CMW500)
LTE Band 13	Communicating with Callbox Simulator (CMW500)
LTE Band 71	Communicating with Callbox Simulator (CMW500)

5.3. WORST-CASE CONFIGURATION AND MODE

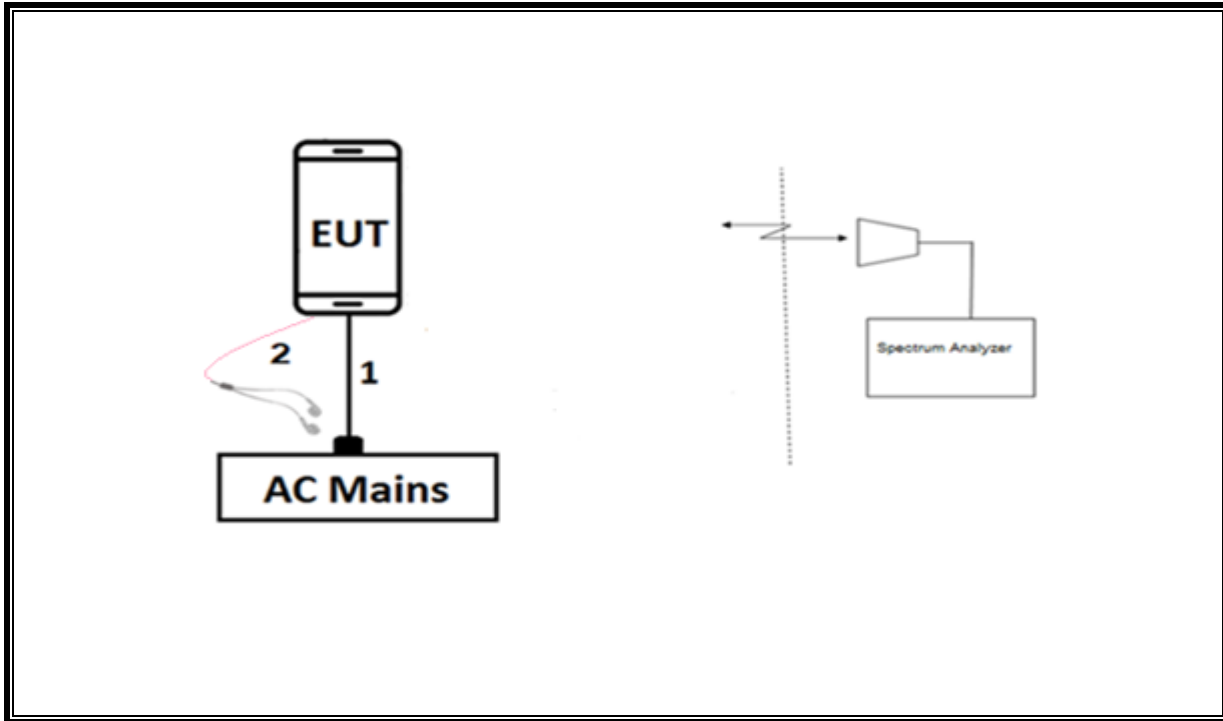
For LTE B5, LTE B12, LTE B13 and LTE B71, the spurious emissions were investigated in three orthogonal orientations X, Y and Z. It was determined that X orientation was worst-case orientation.

Note: The EUT is continuously communicated with the call box during the test. Also attached with travel adapter for the worst case condition.

5.4. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number	FCC ID/ DoC	
AC Adapter		Samsung	EP-TA800	R37N16T8DH7DK3	N/A	
Earphone		Samsung	N/A	N/A	N/A	
I/O CABLES (RF RADIATED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB	1	AC Adapter	Shielded	1	No
2	Earphone	1	USB	Un-shielded	1	No
3	RF In/out	1	Communication Test Set	Un-shielded	2	No

RADIATED SETUP



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

TEST EQUIPMENT LIST					
Description	Manufacturer	Model	ID Num	Cal Due	Last Cal
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	T862	06/05/2020	06/05/2019
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	T344	05/07/2020	05/07/2019
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	EMC4294	06/14/2020	06/14/2019
Hybrid Antenna	SunAR rf motion	JB3	T899	08/23/2020	08/23/2019
Hybrid Antenna	SunAR rf motion	JB3	PRE0181574	10/14/2020	10/14/2019
RF Amplifier	MITEQ	AFS42-00101800-25-S-42	171460	08/24/2020	08/24/2019
RF Amplifier	AMPLICAL	AMP1G18-35	T1569	01/30/2021	01/30/2020
RF Amplifier	AMPLICAL	AMP1G18-35	T1571	05/28/2020	05/28/2019
RF Amplifier	SONOMA INSTR	310	PRE0186650	01/23/2021	01/23/2020
Wideband Communication Test Set, Call Box	R&S	CMW500	T376	02/21/2020	02/21/2019
Wideband Communication Test Set, Call Box	R&S	CMW500	T260	02/20/2021	02/20/2020
Wideband Communication Test Set, Call Box	R&S	CMW500	T1871	02/18/2020	02/18/2019
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179372	02/16/2020	02/16/2019
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179367	05/16/2020	05/16/2019
UL AUTOMATION SOFTWARE					
Radiated test software	UL	UL RF	Ver 9.5 June 15, 2019		

NOTES:

- * Testing is completed before equipment expiration date.
- Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

7. RADIATED TEST RESULTS

7.1. APPLICABLE LIMITS AND TEST RESULTS

TEST PROCEDURE

ANSI C63.4: 2014

LIMIT

§ 15.109 (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Limit for radiated disturbance of Class B ITE at measuring distance of 3 meter	
Frequency Range (MHz)	Quasi-Peak limit (dBuV/m)
30 to 88	40
88 to 216	43.5
216 to 960	46
Above 960 MHz	54

Note: The lower limit shall apply at the transition frequency.

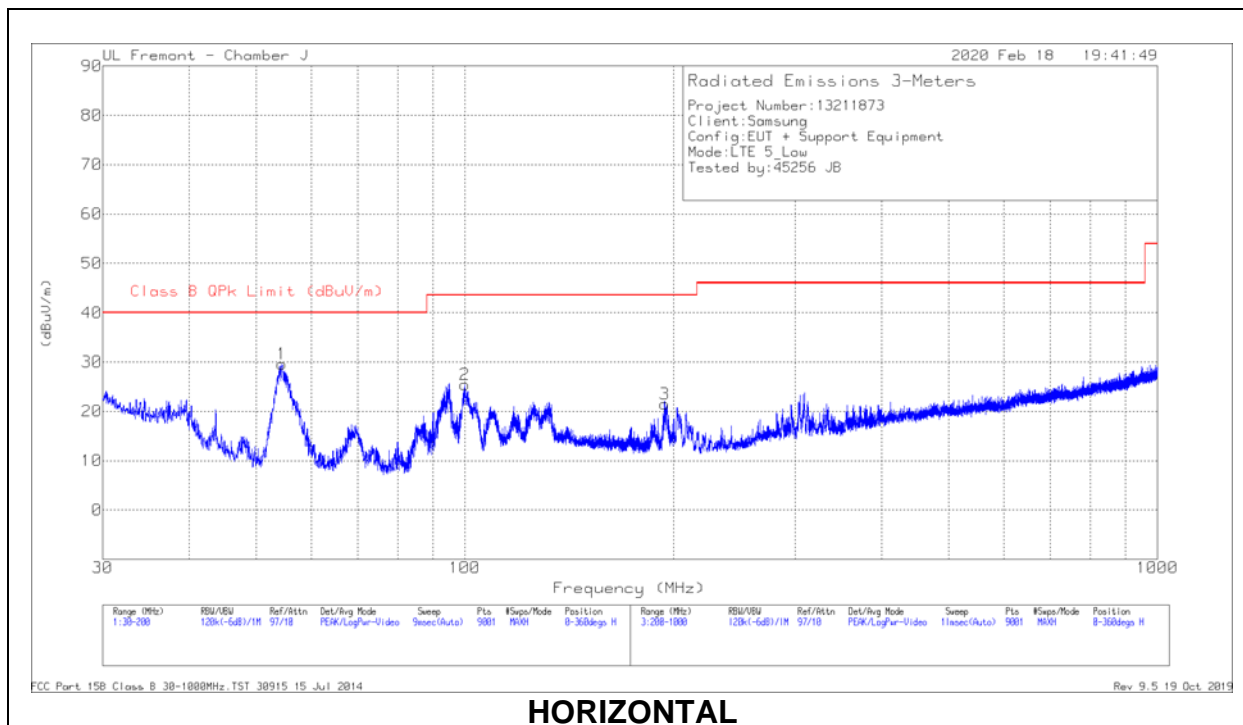
RESULTS

8. DATA FOR 15B RECEIVER MODE

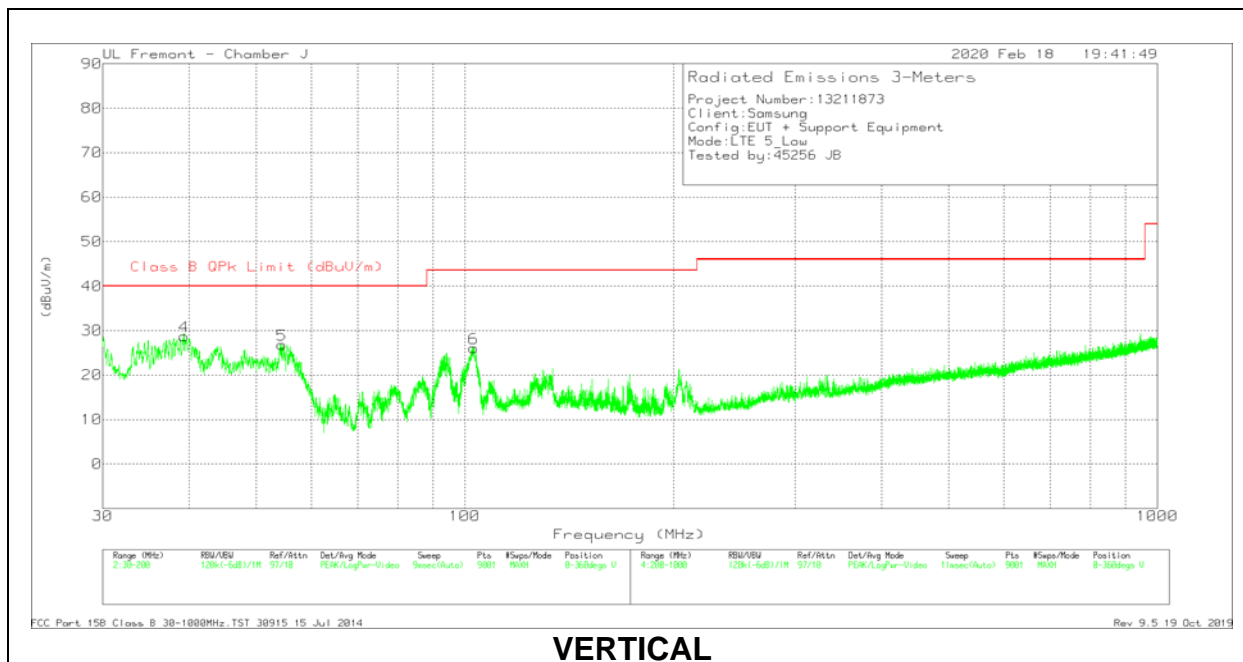
8.1. LTE Band 5

8.1.1. BELOW 1GHz

LOW CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.4613	48.12	Pk	12.9	-31.4	29.62	40	-10.38	0-360	388	H
2	99.9649	40.25	Pk	16.2	-31	25.45	43.52	-18.07	0-360	196	H
3	194.4854	34.16	Pk	17.8	-30.5	21.46	43.52	-22.06	0-360	196	H
4	39.3123	39.45	Pk	20.8	-31.5	28.75	40	-11.25	0-360	101	V
5	54.4613	45.34	Pk	12.9	-31.4	26.84	40	-13.16	0-360	101	V
6	103.0627	40.02	Pk	17	-31	26.02	43.52	-17.5	0-360	101	V

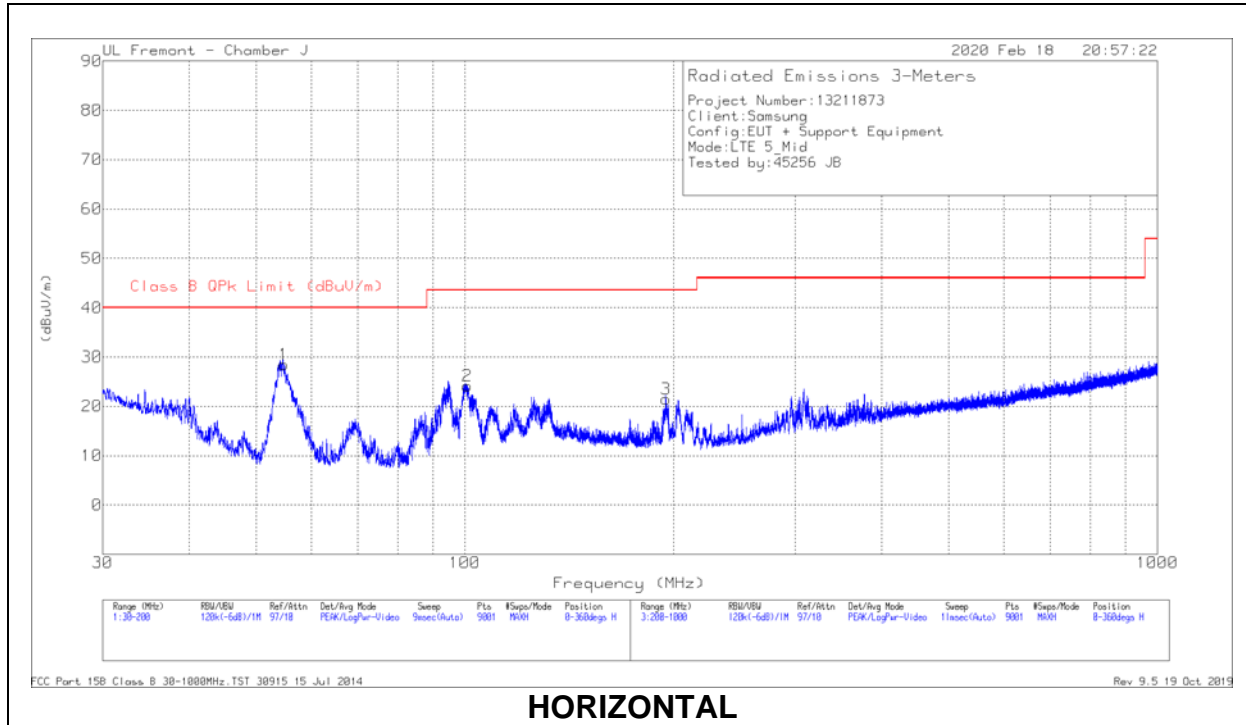
Pk - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
54.293	48.92	Pk	12.9	-31.4	30.42	40	-9.58	45	369	H
54.293	45.06	Qp	12.9	-31.4	26.56	40	-13.44	45	369	H

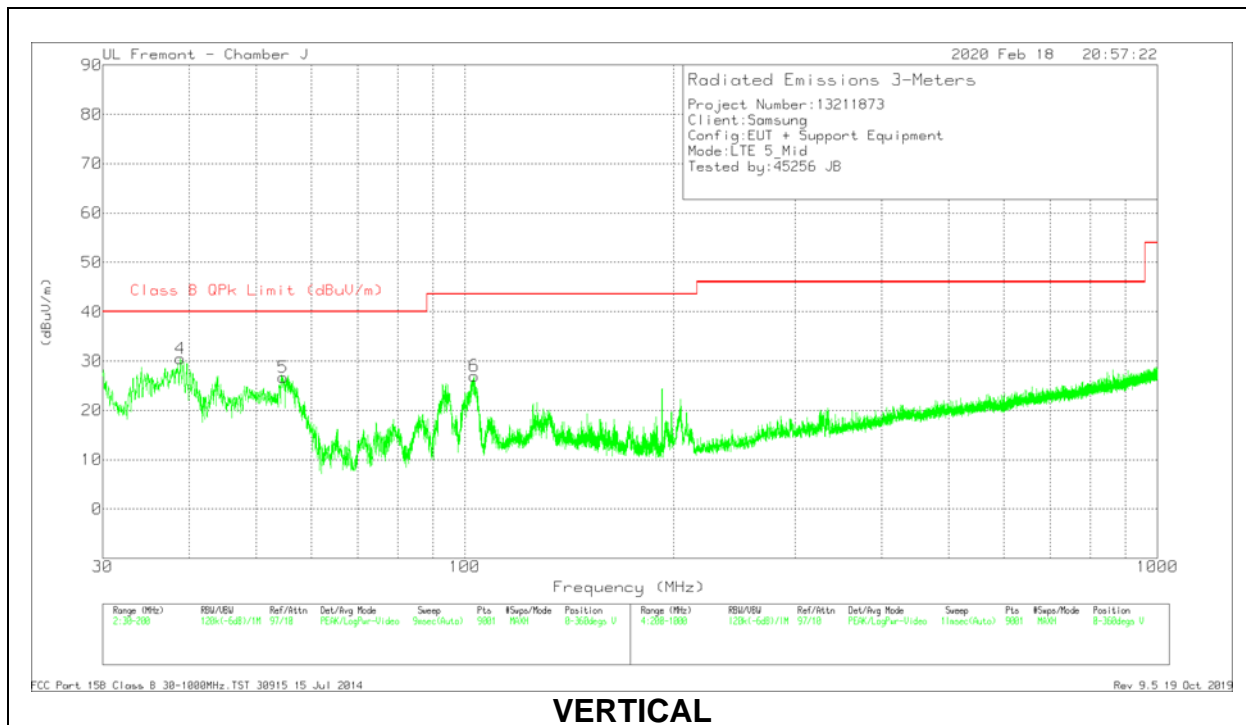
Pk - Peak detector

Qp - Quasi-Peak detector

MID CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.7824	46.84	Pk	13	-31.4	28.44	40	-11.56	0-360	388	H
2	100.7582	38.76	Pk	16.4	-31	24.16	43.52	-19.36	0-360	195	H
3	195.3071	34.07	Pk	17.9	-30.5	21.47	43.52	-22.05	0-360	101	H
4	38.8589	40.86	Pk	21.1	-31.5	30.46	40	-9.54	0-360	101	V
5	54.6313	45.11	Pk	13	-31.4	26.71	40	-13.29	0-360	101	V
6	103.2138	40.91	Pk	17.1	-31	27.01	43.52	-16.51	0-360	101	V

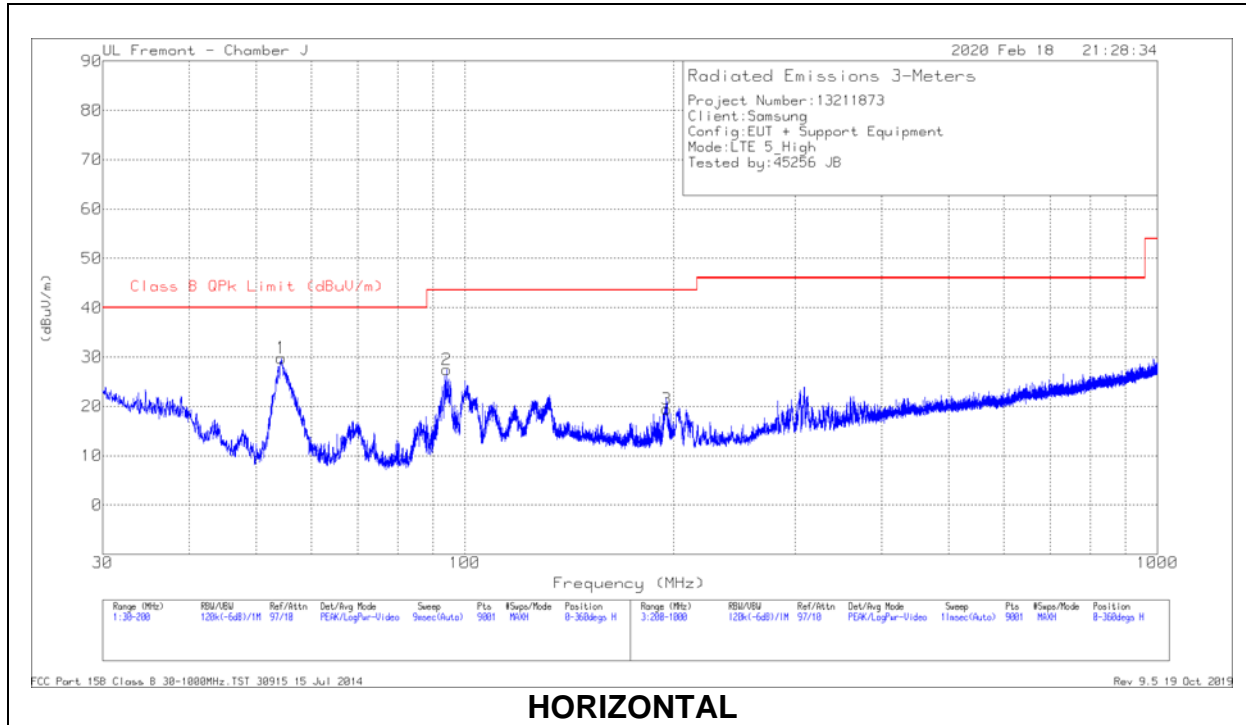
Pk - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
39.0397	39.68	Pk	21	-31.5	29.18	40	-10.82	120	116	V
39.0397	33.08	Qp	21	-31.5	22.58	40	-17.42	120	116	V

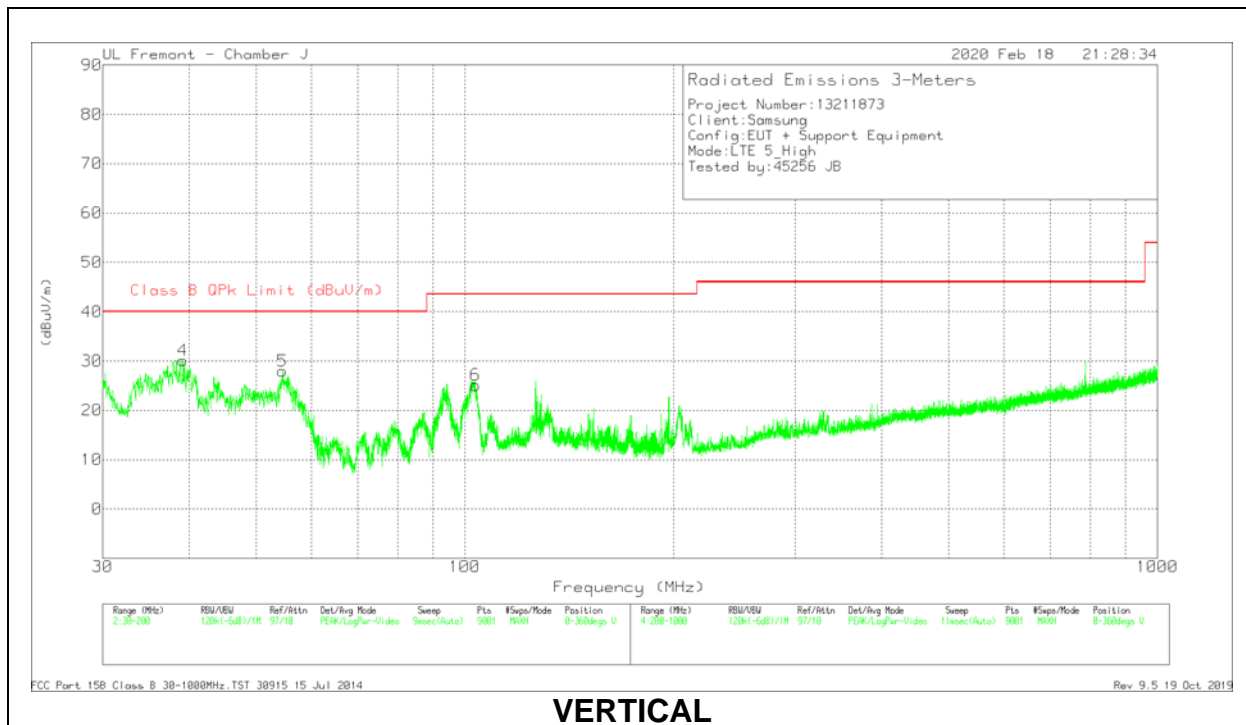
Pk - Peak detector

Qp - Quasi-Peak detector

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.329	48.3	Pk	12.9	-31.4	29.8	40	-10.2	0-360	388	H
2	94.147	43.98	Pk	14.5	-31	27.48	43.52	-16.04	0-360	195	H
3	195.581	31.95	Pk	18	-30.5	19.45	43.52	-24.07	0-360	195	H
4	39.1801	40.67	Pk	20.9	-31.5	30.07	40	-9.93	0-360	101	V
5	54.5557	46.42	Pk	13	-31.4	28.02	40	-11.98	0-360	101	V
6	103.6482	38.91	Pk	17.2	-31	25.11	43.52	-18.41	0-360	101	V

Pk - Peak detector

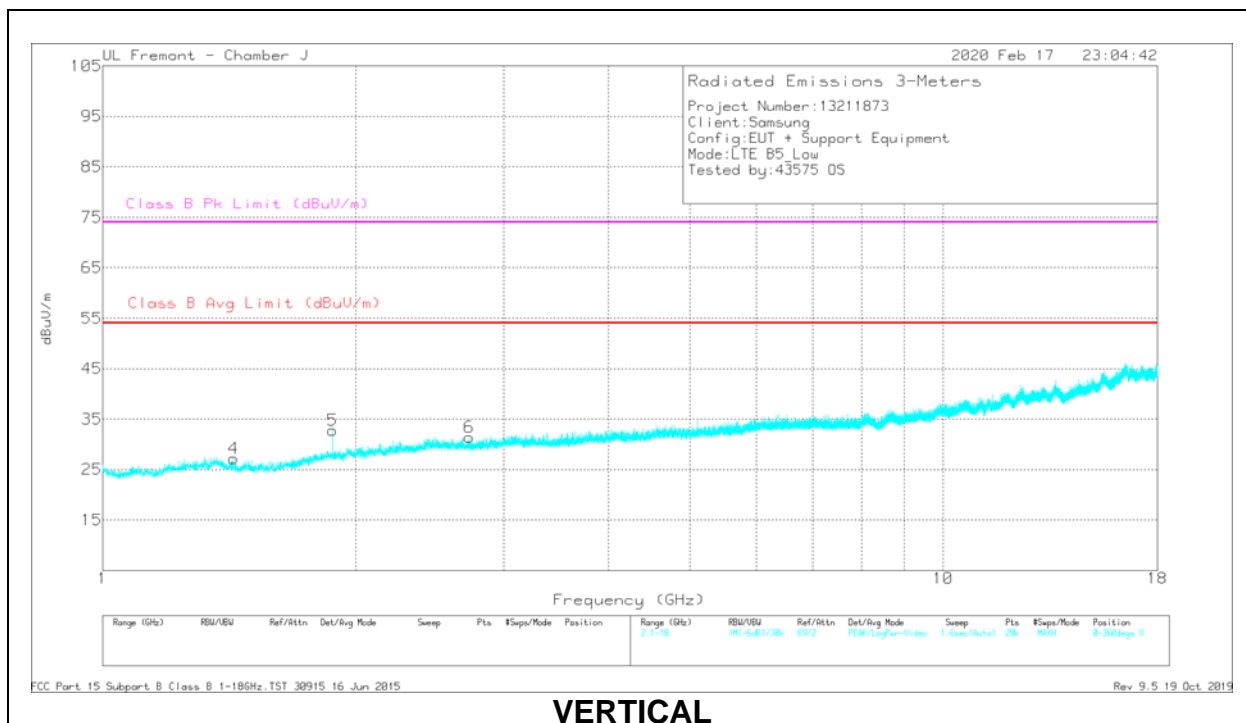
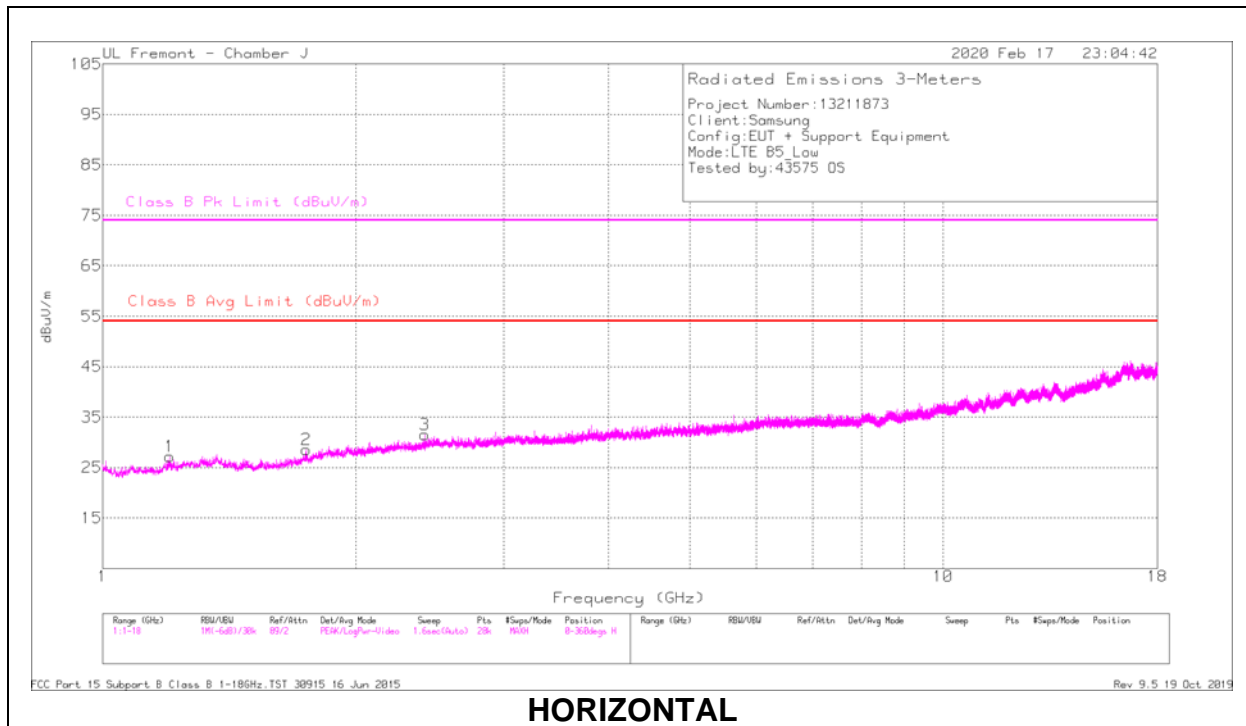
Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
39.2319	40.61	Pk	20.8	-31.5	29.91	40	-10.09	130	104	V
39.2319	35.65	Qp	20.8	-31.5	24.95	40	-15.05	130	104	V

Pk - Peak detector

Qp - Quasi-Peak detector

8.1.2. ABOVE 1GHz

LOW CHANNEL

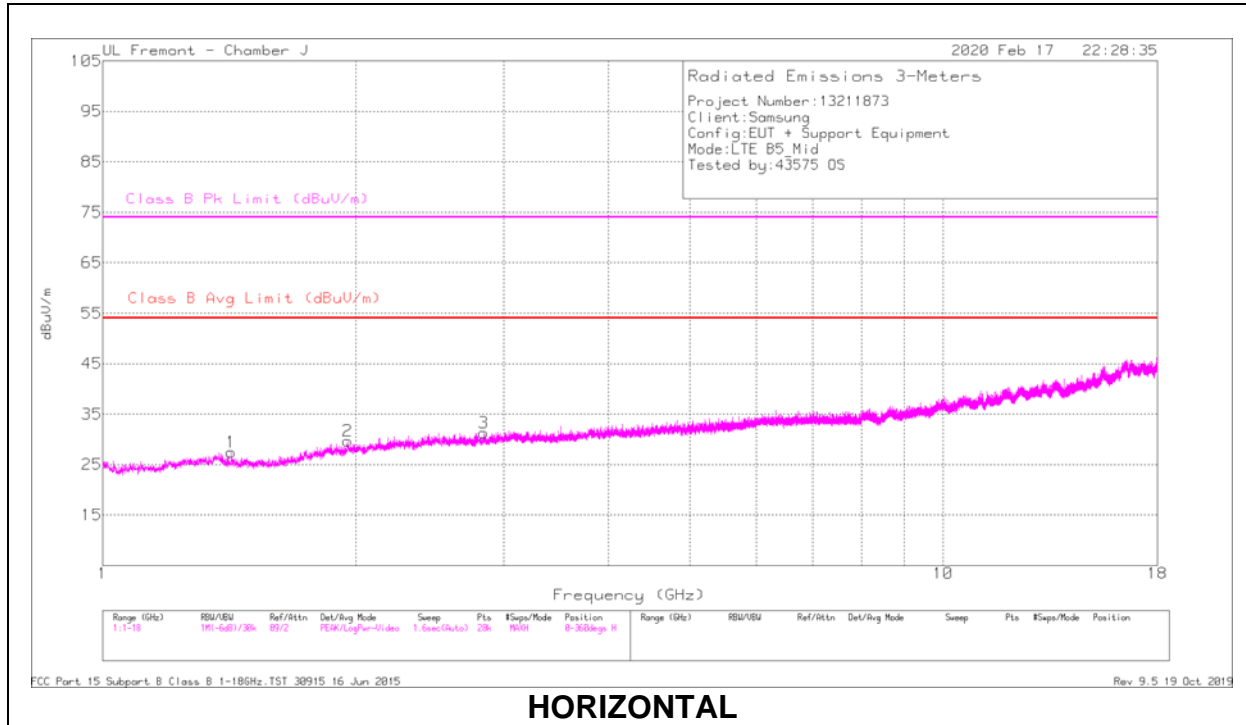


RADIATED EMISSIONS

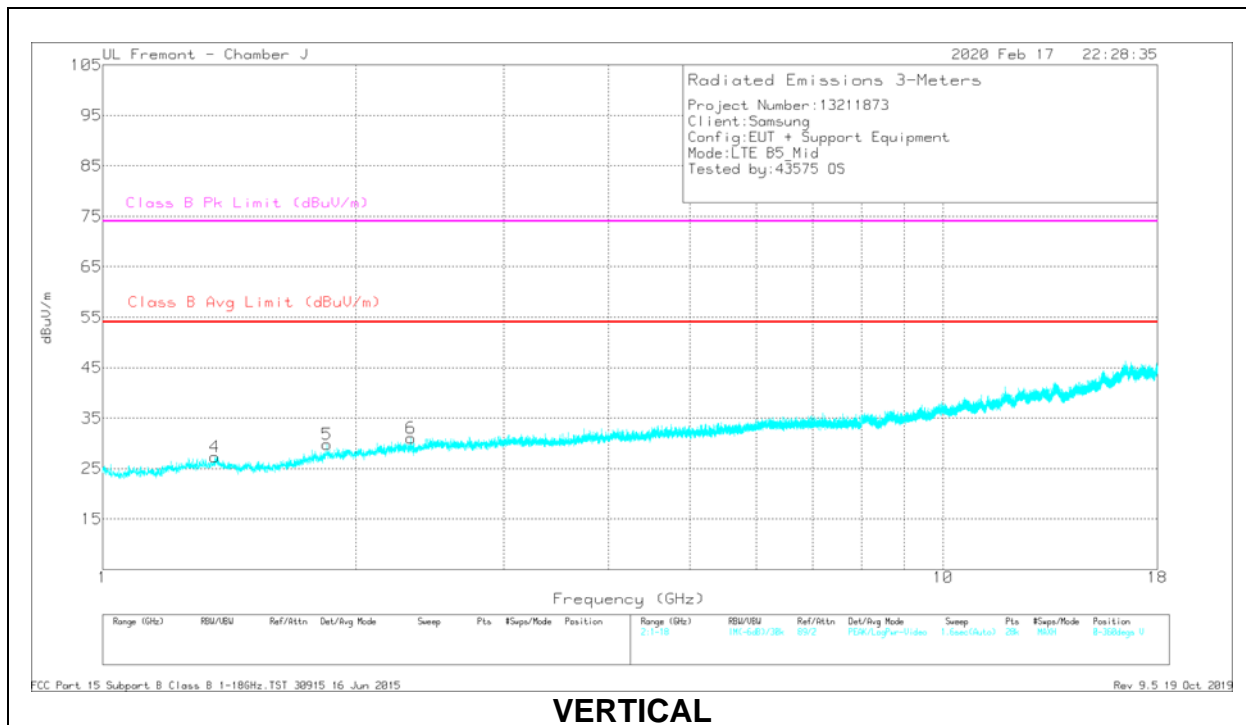
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.20217	34.01	Pk	28.3	-35.8	26.51	-	-	74	-47.49	39	119	H
	1.20217	20.77	Av	28.3	-35.8	13.27	54	-40.73	-	-	39	119	H
2	1.7461	34.31	Pk	29.6	-35.8	28.11	-	-	74	-45.89	360	121	H
	1.7461	20.93	Av	29.6	-35.8	14.73	54	-39.27	-	-	360	121	H
3	2.41651	33.78	Pk	32.1	-35.5	30.38	-	-	74	-43.62	32	105	H
	2.41627	20.81	Av	32.1	-35.5	17.41	54	-36.59	-	-	32	105	H
4	1.43248	43.4	Pk	28.2	-35.9	35.7	-	-	74	-38.3	120	113	V
	1.43248	30.29	Av	28.2	-35.9	22.59	54	-31.41	-	-	120	113	V
5	1.87737	43.03	Pk	30.7	-35.8	37.93	-	-	74	-36.07	115	117	V
	1.87737	29.73	Av	30.7	-35.8	24.63	54	-29.37	-	-	115	117	V
6	2.73079	43.36	Pk	32.2	-35.2	40.36	-	-	74	-33.64	34	135	V
	2.73079	29.92	Av	32.2	-35.2	26.92	54	-27.08	-	-	34	135	V

Pk - Peak detector
 Av - Average detection

MID CHANNEL



HORIZONTAL



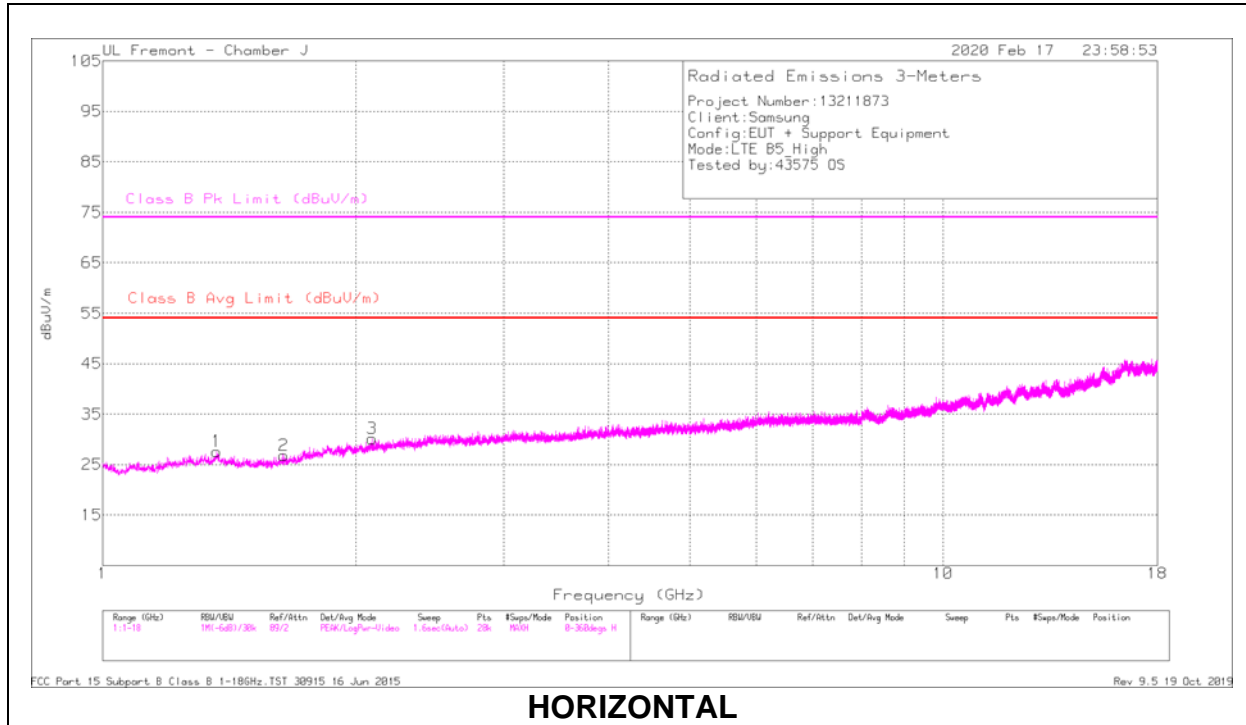
VERTICAL

RADIATED EMISSIONS

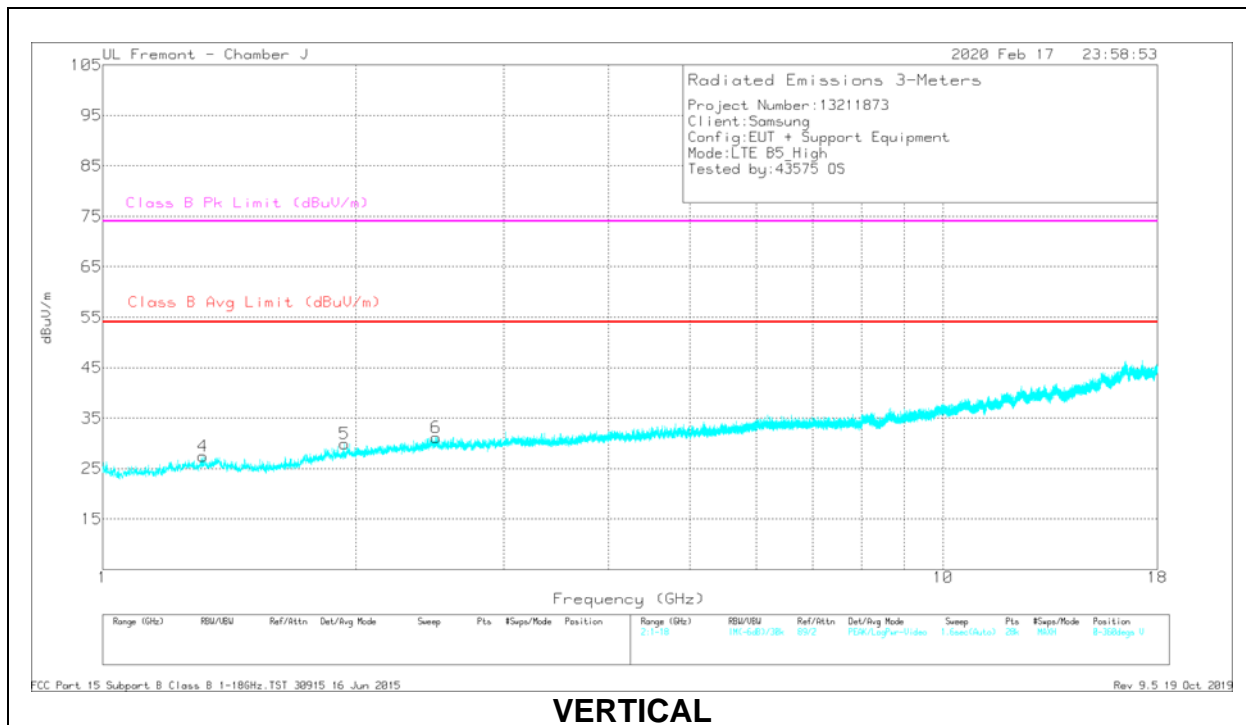
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.42271	33.53	Pk	28.3	-35.8	26.03	-	-	74	-47.97	79	315	H
	1.42271	21.01	Av	28.3	-35.8	13.51	54	-40.49	-	-	79	315	H
2	1.95552	33.74	Pk	31	-35.7	29.04	-	-	74	-44.96	233	125	H
	1.95552	20.93	Av	31	-35.7	16.23	54	-37.77	-	-	233	125	H
3	2.84039	33.97	Pk	32.2	-35.2	30.97	-	-	74	-43.03	123	337	H
	2.84039	20.8	Av	32.2	-35.2	17.8	54	-36.2	-	-	123	337	H
4	1.35894	43.16	Pk	29.3	-35.9	36.56	-	-	74	-37.44	284	115	V
	1.35894	29.87	Av	29.3	-35.9	23.27	54	-30.73	-	-	284	115	V
5	1.84821	44.33	Pk	30.5	-35.8	39.03	-	-	74	-34.97	193	140	V
	1.84821	30.24	Av	30.5	-35.8	24.94	54	-29.06	-	-	193	140	V
6	2.32734	44.08	Pk	31.6	-35.6	40.08	-	-	74	-33.92	102	156	V
	2.32734	30.08	Av	31.6	-35.6	26.08	54	-27.92	-	-	102	156	V

Pk - Peak detector
 Av - Average detection

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

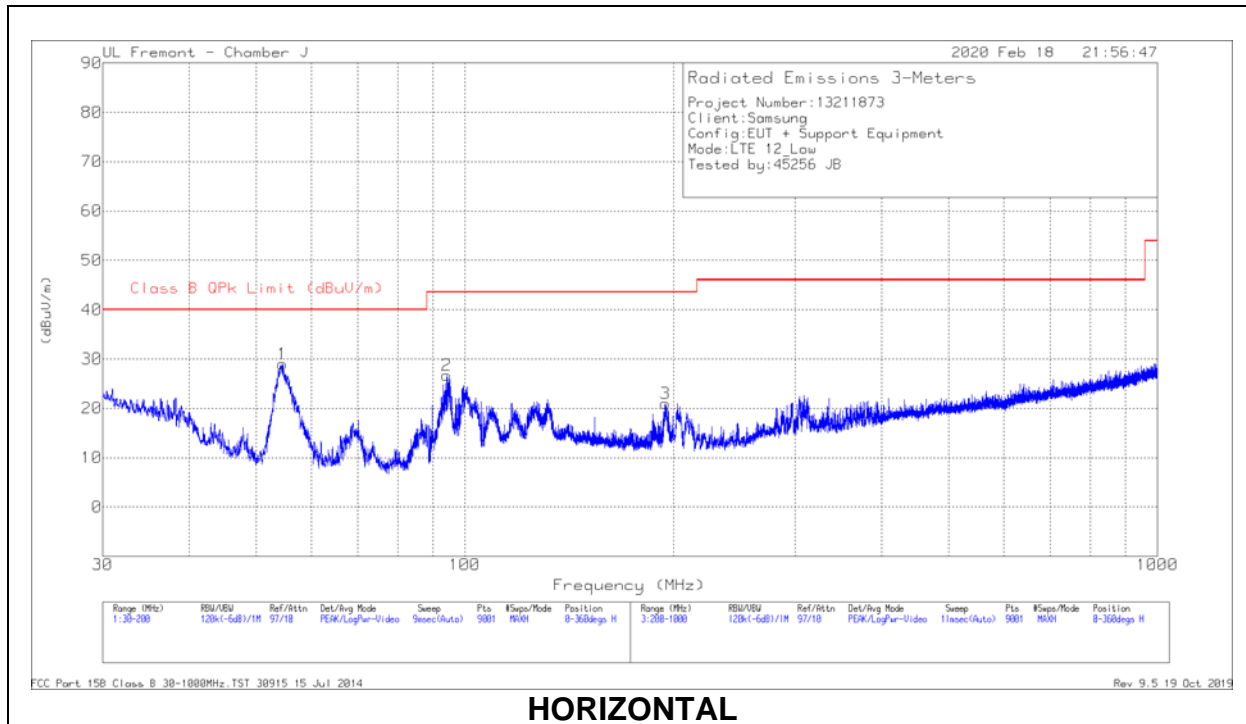
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.36686	33.2	Pk	29.4	-35.8	26.8	-	-	74	-47.2	281	103	H
	1.36686	20.76	Av	29.4	-35.8	14.36	54	-39.64	-	-	281	103	H
2	1.64349	33.45	Pk	28.5	-35.8	26.15	-	-	74	-47.85	52	228	H
	1.64349	20.8	Av	28.5	-35.8	13.5	54	-40.5	-	-	52	228	H
3	2.09113	33.08	Pk	31.1	-35.6	28.58	-	-	74	-45.42	338	341	H
	2.09113	20.6	Av	31.1	-35.6	16.1	54	-37.9	-	-	338	341	H
4	1.31881	43.66	Pk	28.7	-35.8	36.56	-	-	74	-37.44	24	117	V
	1.31881	30.11	Av	28.7	-35.8	23.01	54	-30.99	-	-	24	117	V
5	1.94076	42.89	Pk	30.8	-35.7	37.99	-	-	74	-36.01	290	113	V
	1.94076	29.75	Av	30.8	-35.7	24.85	54	-29.15	-	-	290	113	V
6	2.49318	43.41	Pk	32.3	-35.5	40.21	-	-	74	-33.79	86	303	V
	2.49318	30.06	Av	32.3	-35.5	26.86	54	-27.14	-	-	86	303	V

Pk - Peak detector
 Av - Average detection

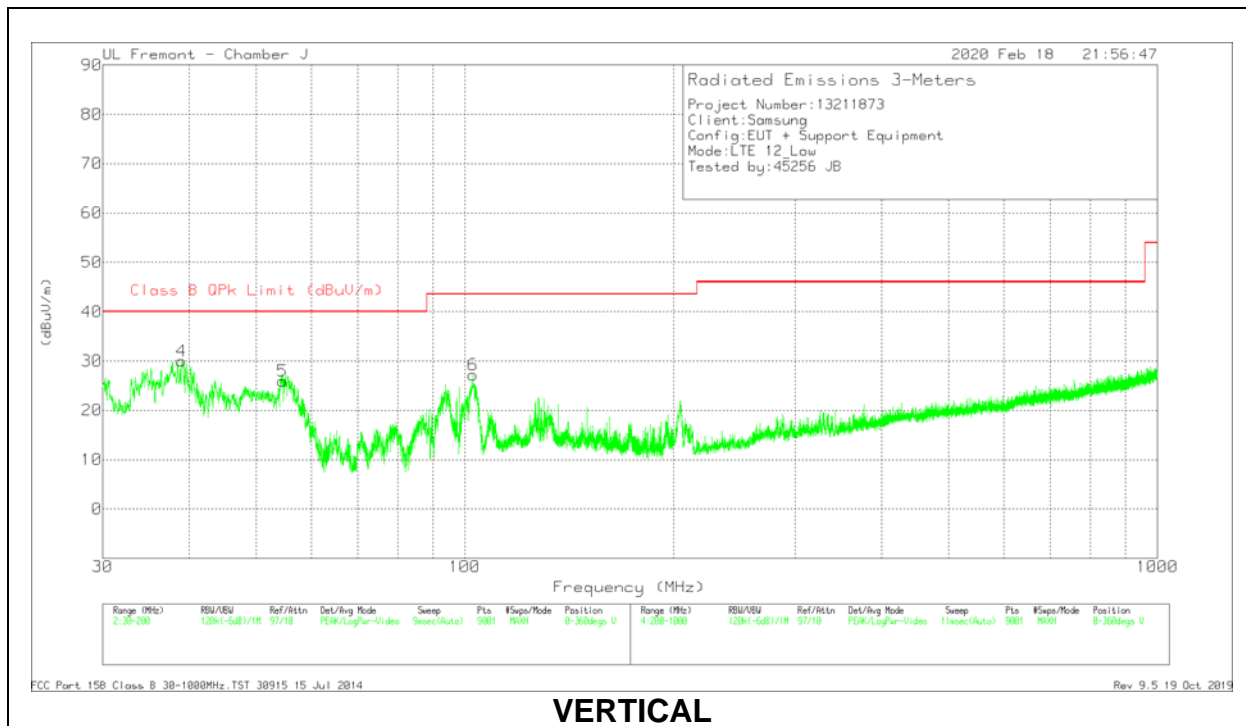
8.2. LTE Band 12

8.2.1. BELOW 1GHz

LOW CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.5085	47.39	Pk	13	-31.4	28.99	40	-11.01	0-360	292	H
2	94.2415	43.1	Pk	14.6	-31	26.7	43.52	-16.82	0-360	195	H
3	194.7499	33.7	Pk	17.8	-30.5	21	43.52	-22.52	0-360	292	H
4	39.0101	40.54	Pk	21	-31.5	30.04	40	-9.96	0-360	101	V
5	54.5935	44.33	Pk	13	-31.4	25.93	40	-14.07	0-360	101	V
6	102.7604	41.26	Pk	16.9	-31	27.16	43.52	-16.36	0-360	101	V

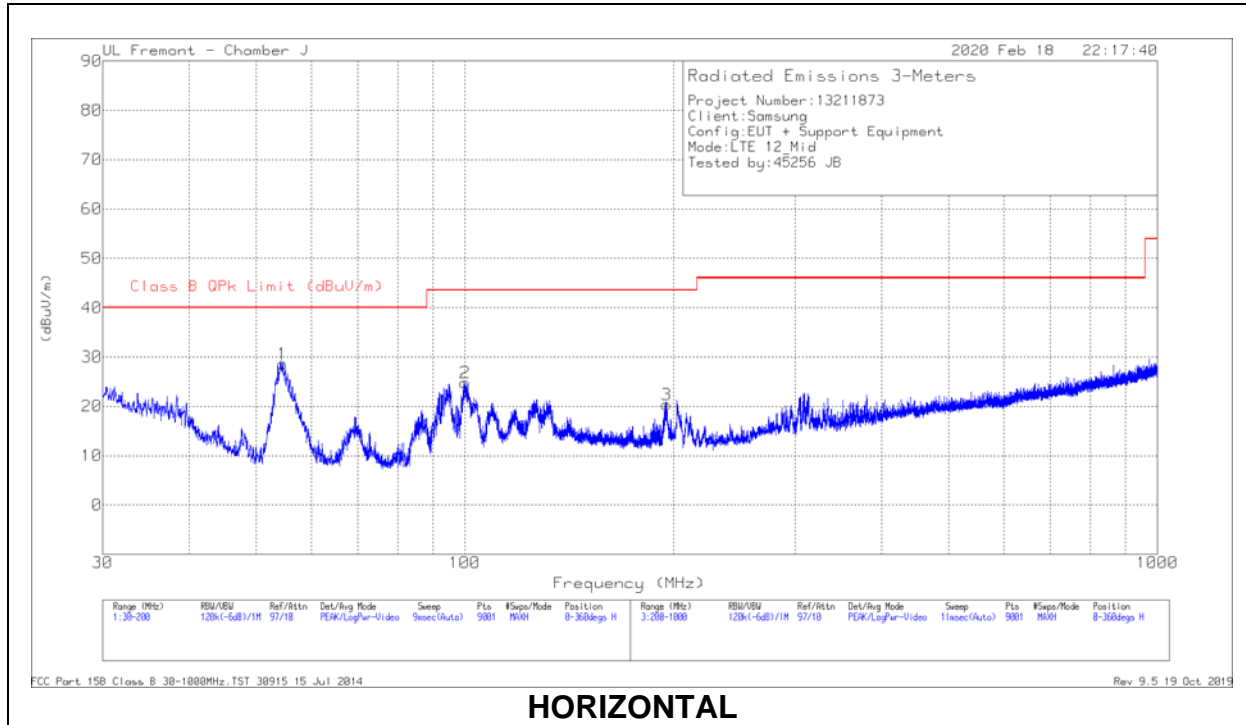
Pk - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
39.0734	39.64	Pk	20.9	-31.5	29.04	40	-10.96	70	115	V
39.0734	33.22	Qp	20.9	-31.5	22.62	40	-17.38	70	115	V

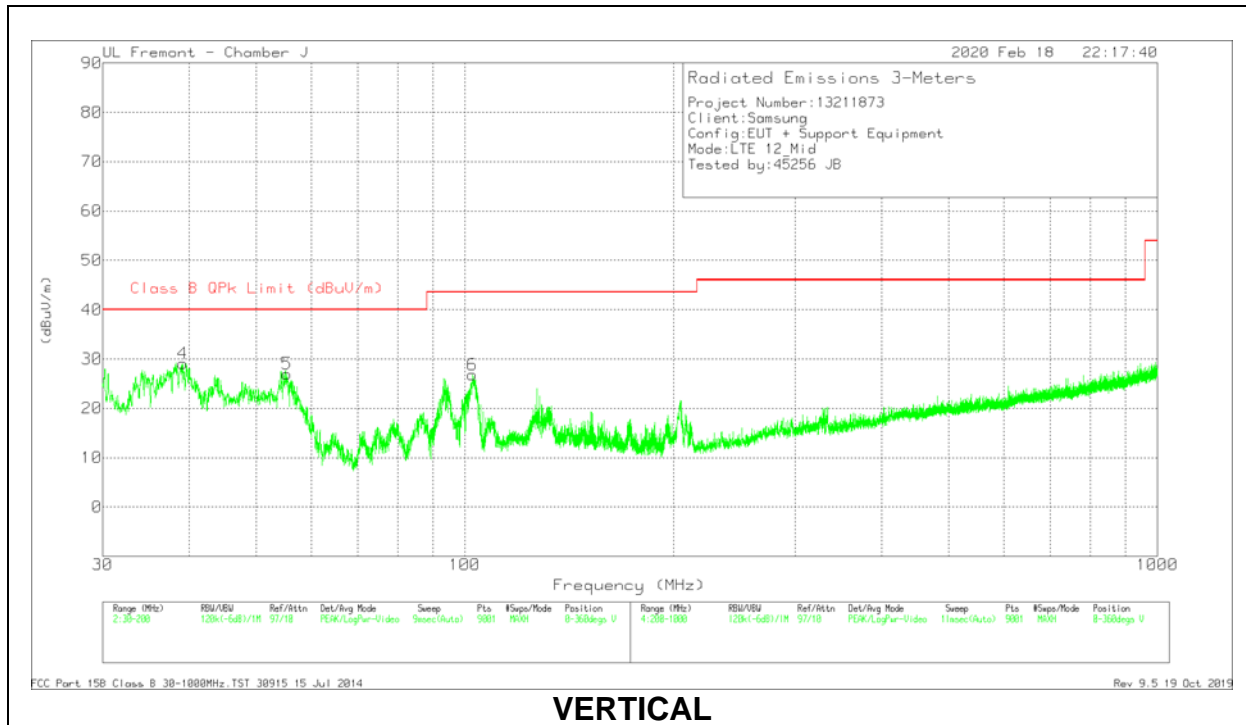
Pk - Peak detector

Qp - Quasi-Peak detector

MID CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.5557	46.94	Pk	13	-31.4	28.54	40	-11.46	0-360	292	H
2	100.116	39.54	Pk	16.2	-31	24.74	43.52	-18.78	0-360	195	H
3	195.5432	32.87	Pk	18	-30.5	20.37	43.52	-23.15	0-360	195	H
4	39.1423	39.71	Pk	20.9	-31.5	29.11	40	-10.89	0-360	101	V
5	55.349	45.31	Pk	13.1	-31.4	27.01	40	-12.99	0-360	101	V
6	102.6093	40.9	Pk	16.9	-31	26.8	43.52	-16.72	0-360	101	V

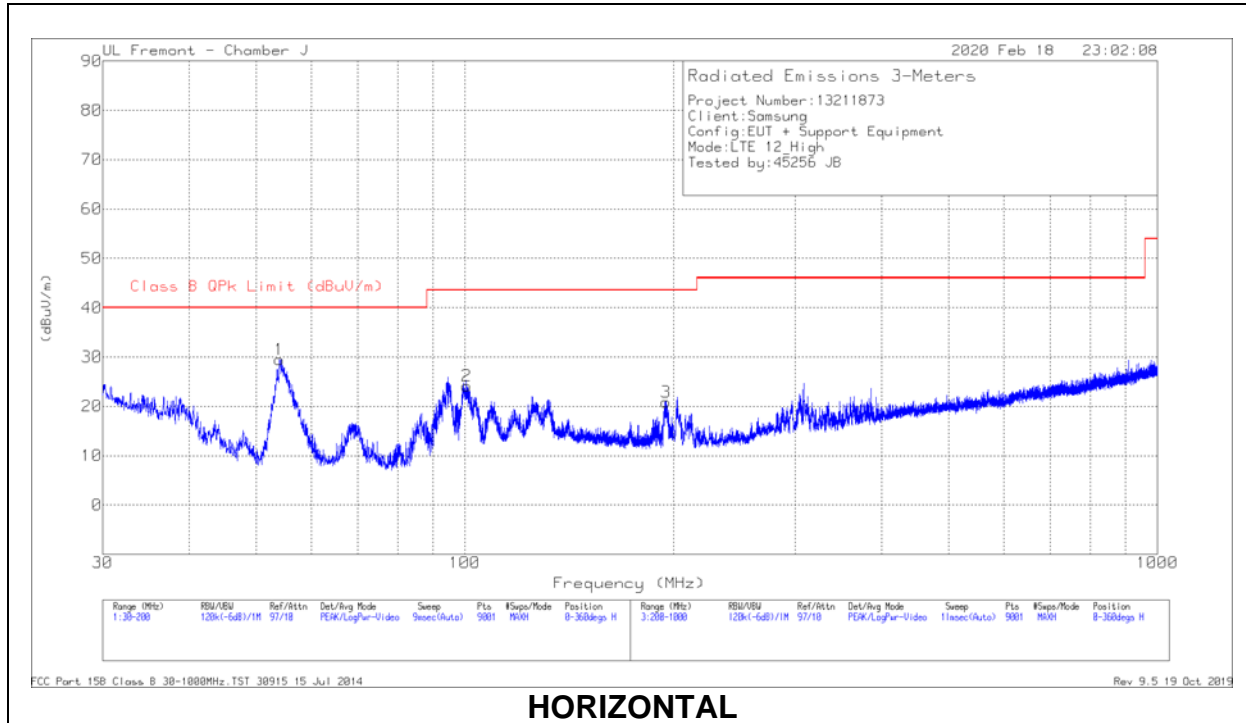
Pk - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
38.9682	40.41	Pk	21	-31.5	29.91	40	-10.09	127	117	V
38.9682	37.17	Qp	21	-31.5	26.67	40	-13.33	127	117	V

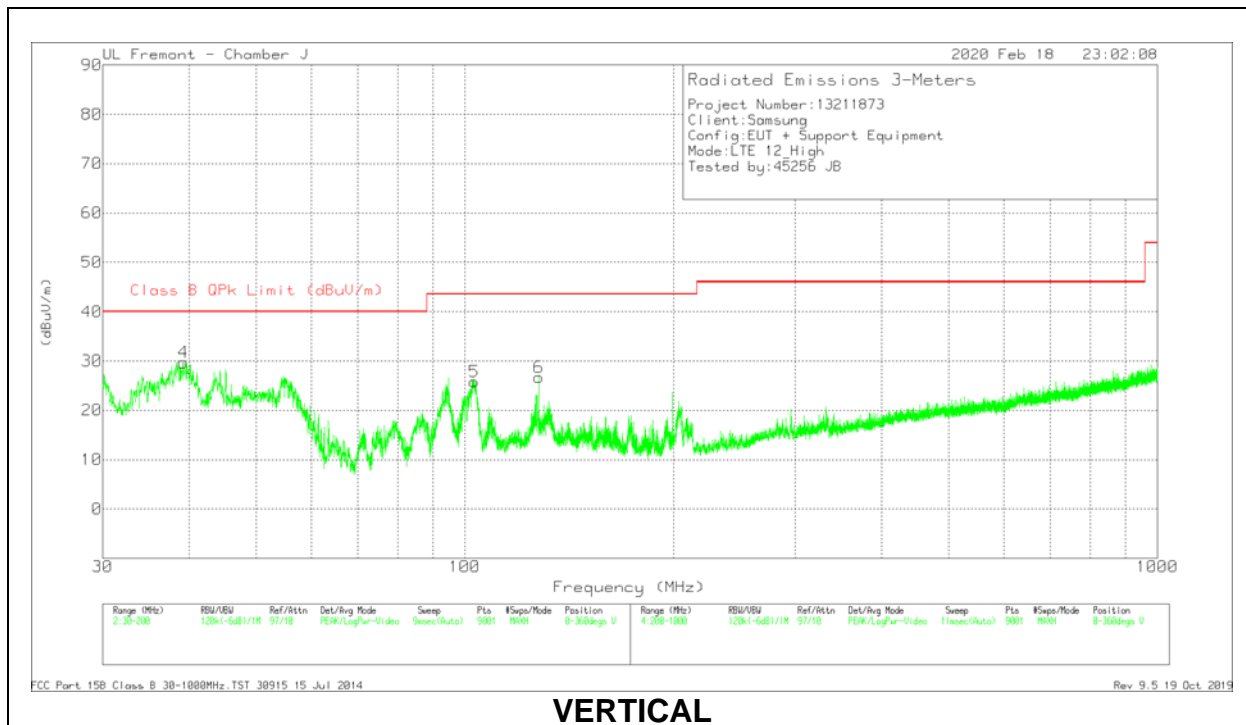
Pk - Peak detector

Qp - Quasi-Peak detector

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.0079	48.04	Pk	12.9	-31.4	29.54	40	-10.46	0-360	388	H
2	100.5882	38.81	Pk	16.4	-31	24.21	43.52	-19.31	0-360	195	H
3	195.241	33.46	Pk	17.9	-30.5	20.86	43.52	-22.66	0-360	101	H
4	39.2178	40.38	Pk	20.8	-31.5	29.68	40	-10.32	0-360	101	V
5	103.2515	39.66	Pk	17.1	-31	25.76	43.52	-17.76	0-360	101	V
6	127.8639	38.01	Pk	19.6	-30.9	26.71	43.52	-16.81	0-360	101	V

Pk - Peak detector

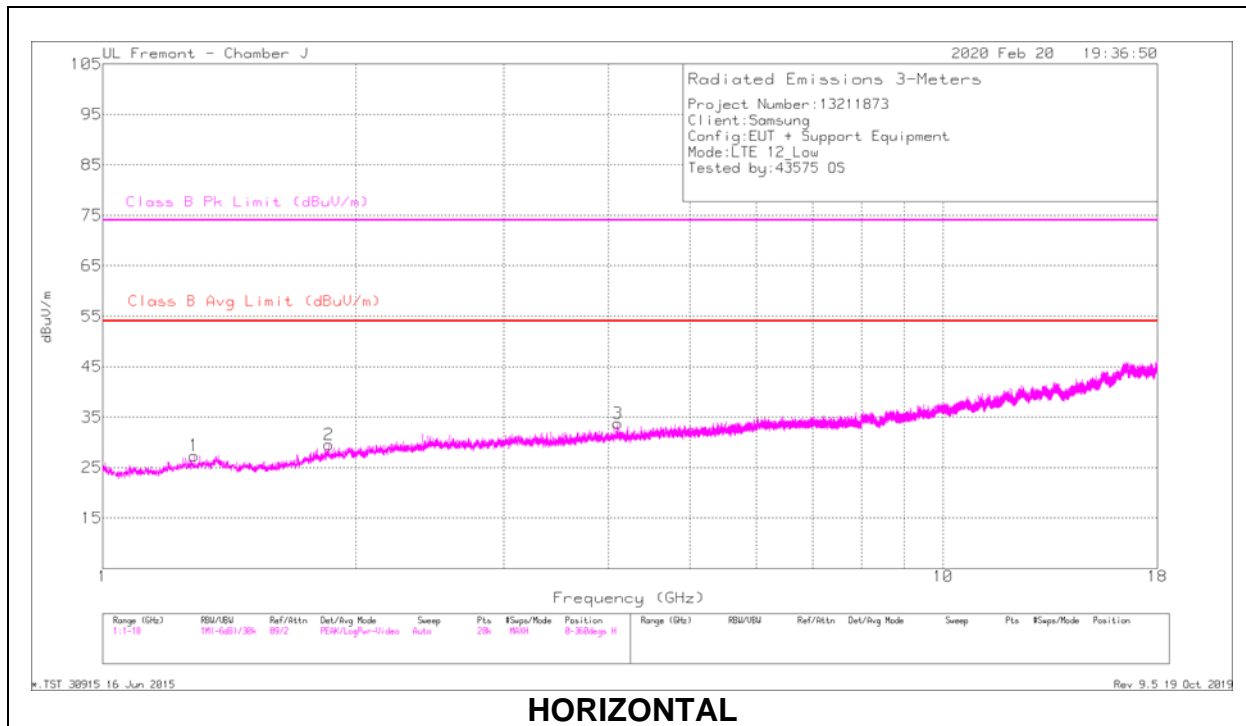
Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
39.0011	39.12	Pk	21	-31.5	28.62	40	-11.38	58	138	V
39.0011	31.72	Qp	21	-31.5	21.22	40	-18.78	58	138	V

Pk - Peak detector

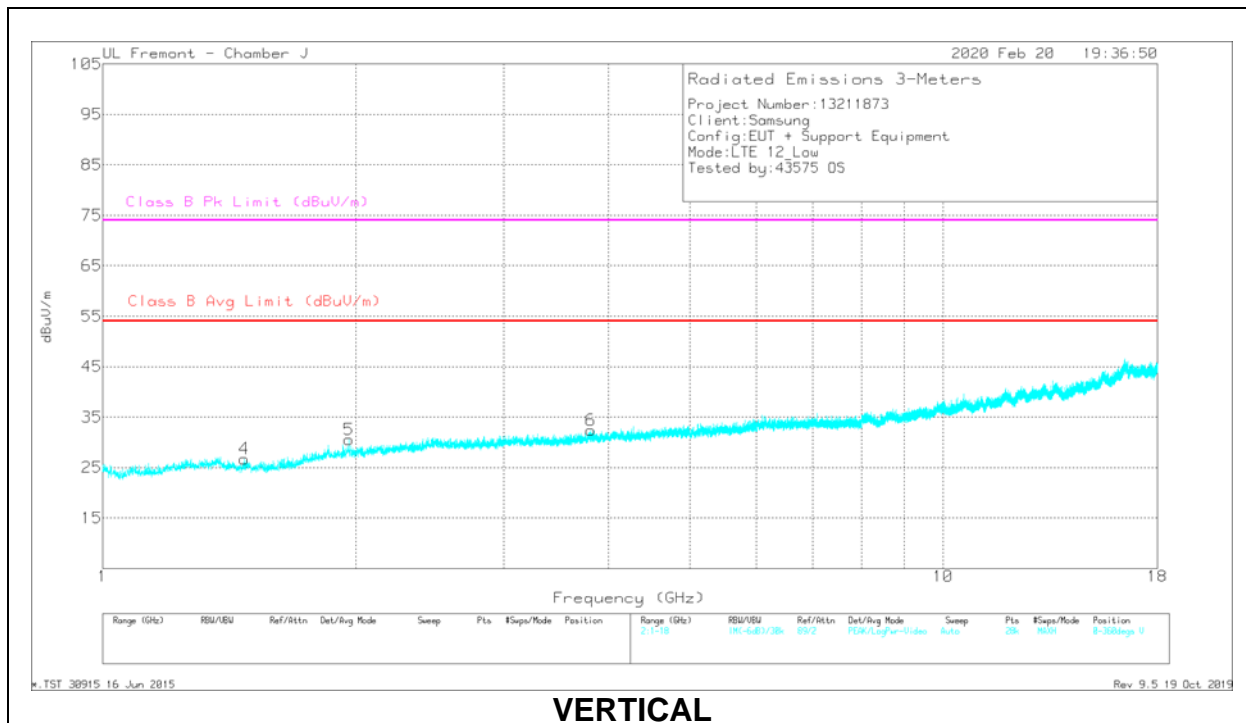
Qp - Quasi-Peak detector

8.2.2. ABOVE 1GHz

LOW CHANNEL



HORIZONTAL



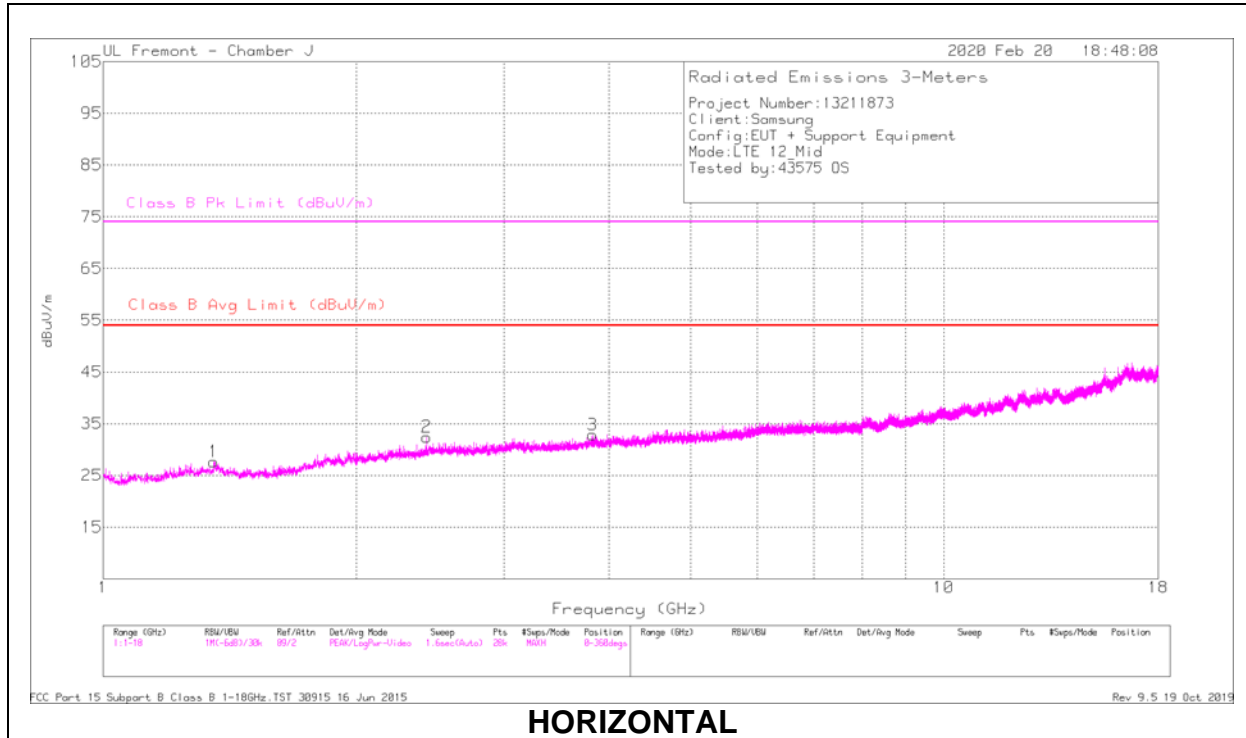
VERTICAL

RADIATED EMISSIONS

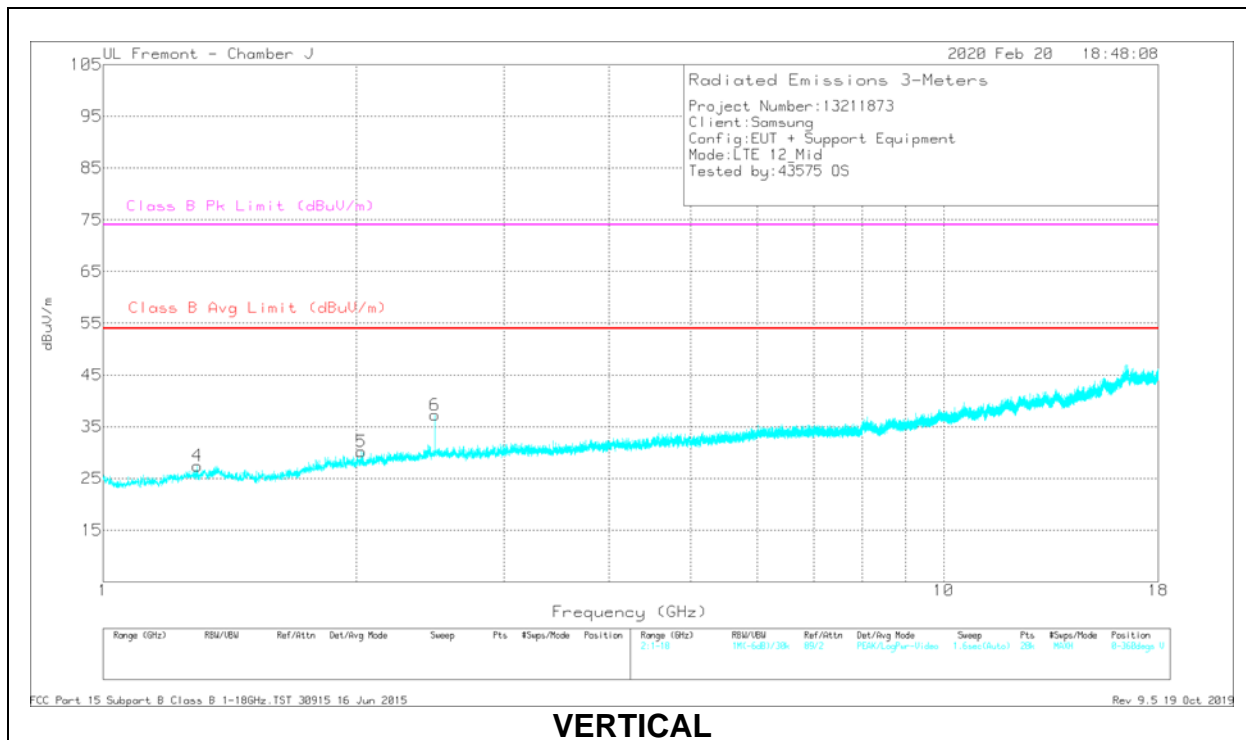
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.28484	33.53	Pk	28.8	-35.8	26.53	-	-	74	-47.47	24	122	H
	1.28484	20.28	Av	28.8	-35.8	13.28	54	-40.72	-	-	24	122	H
2	1.85848	34.88	Pk	30.5	-35.8	29.58	-	-	74	-44.42	215	198	H
	1.85848	20.61	Av	30.5	-35.8	15.31	54	-38.69	-	-	215	198	H
3	4.10354	30.28	Pk	33.7	-32.3	31.68	-	-	74	-42.32	209	157	H
	4.10354	17.92	Av	33.7	-32.3	19.32	54	-34.68	-	-	209	157	H
4	1.47371	43.62	Pk	28.2	-35.9	35.92	-	-	74	-38.08	132	195	V
	1.47371	30.01	Av	28.2	-35.9	22.31	54	-31.69	-	-	132	195	V
5	1.96342	43.42	Pk	31	-35.7	38.72	-	-	74	-35.28	166	211	V
	1.96342	30.08	Av	31	-35.7	25.38	54	-28.62	-	-	166	211	V
6	3.81016	41.41	Pk	33.5	-33.1	41.81	-	-	74	-32.19	81	112	V
	3.81016	28.91	Pk	33.5	-33.1	29.31	54	-24.69	-	-	81	112	V

Pk - Peak detector
 Av - Average detection

MID CHANNEL



HORIZONTAL



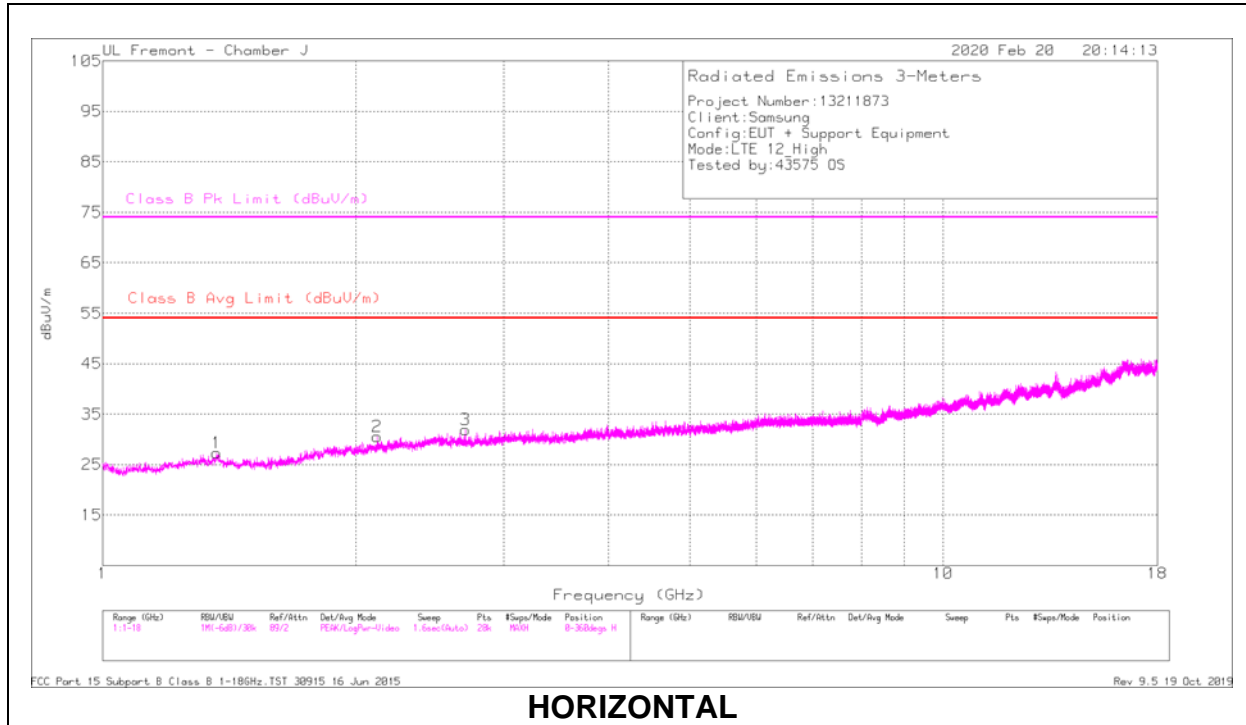
VERTICAL

RADIATED EMISSIONS

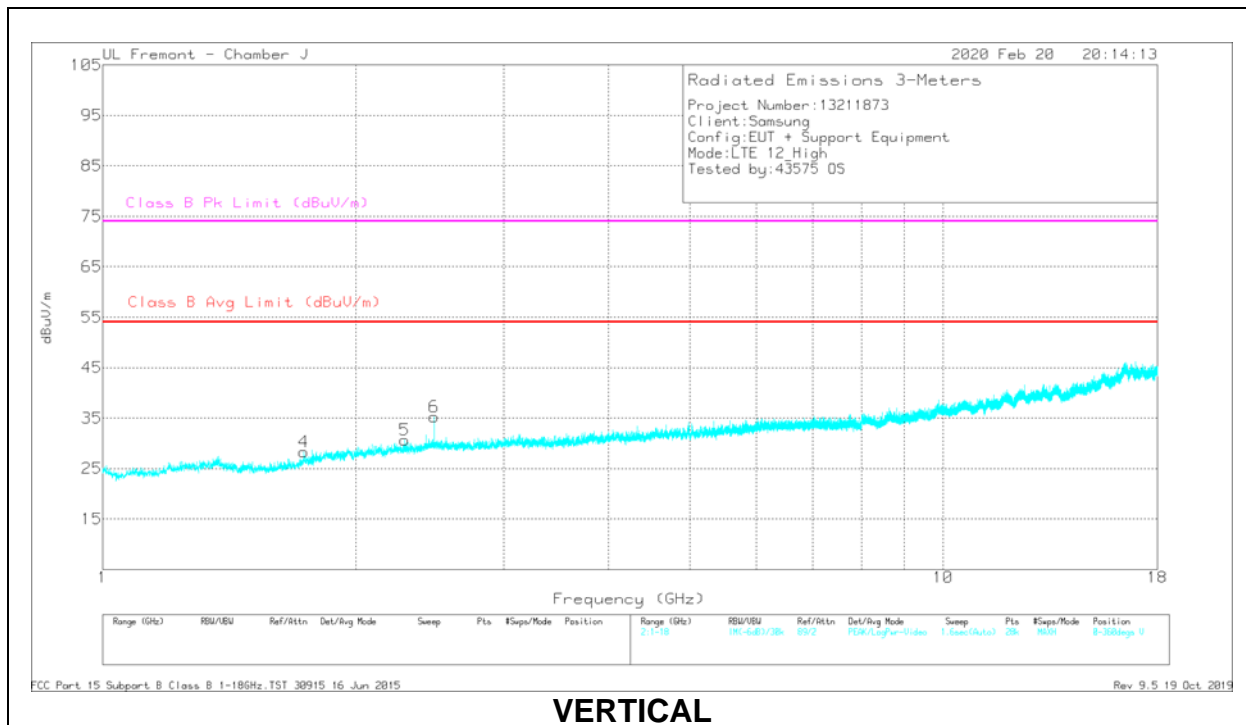
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.35341	33.44	Pk	29.3	-35.8	26.94	-	-	74	-47.06	122	383	H
	1.35341	20.44	Av	29.3	-35.8	13.94	54	-40.06	-	-	122	383	H
2	2.42577	34.64	Pk	32.2	-35.5	31.34	-	-	74	-42.66	257	103	H
	2.42577	20.84	Av	32.2	-35.5	17.54	54	-36.46	-	-	257	103	H
3	3.82156	29.28	Pk	33.5	-33	29.78	-	-	74	-44.22	220	115	H
	3.82156	18.42	Av	33.5	-33	18.92	54	-35.08	-	-	220	115	H
4	1.29653	43.53	Pk	28.7	-35.8	36.43	-	-	74	-37.57	128	353	V
	1.29653	29.52	Av	28.7	-35.8	22.42	54	-31.58	-	-	128	353	V
5	2.02655	43.95	Pk	30.9	-35.7	39.15	-	-	74	-34.85	323	251	V
	2.02655	29.88	Av	30.9	-35.7	25.08	54	-28.92	-	-	323	251	V
6	2.48006	44.65	Pk	32.4	-35.5	41.55	-	-	74	-32.45	131	213	V
	2.48006	30.01	Av	32.4	-35.5	26.91	54	-27.09	-	-	131	213	V

Pk - Peak detector
 Av - Average detection

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

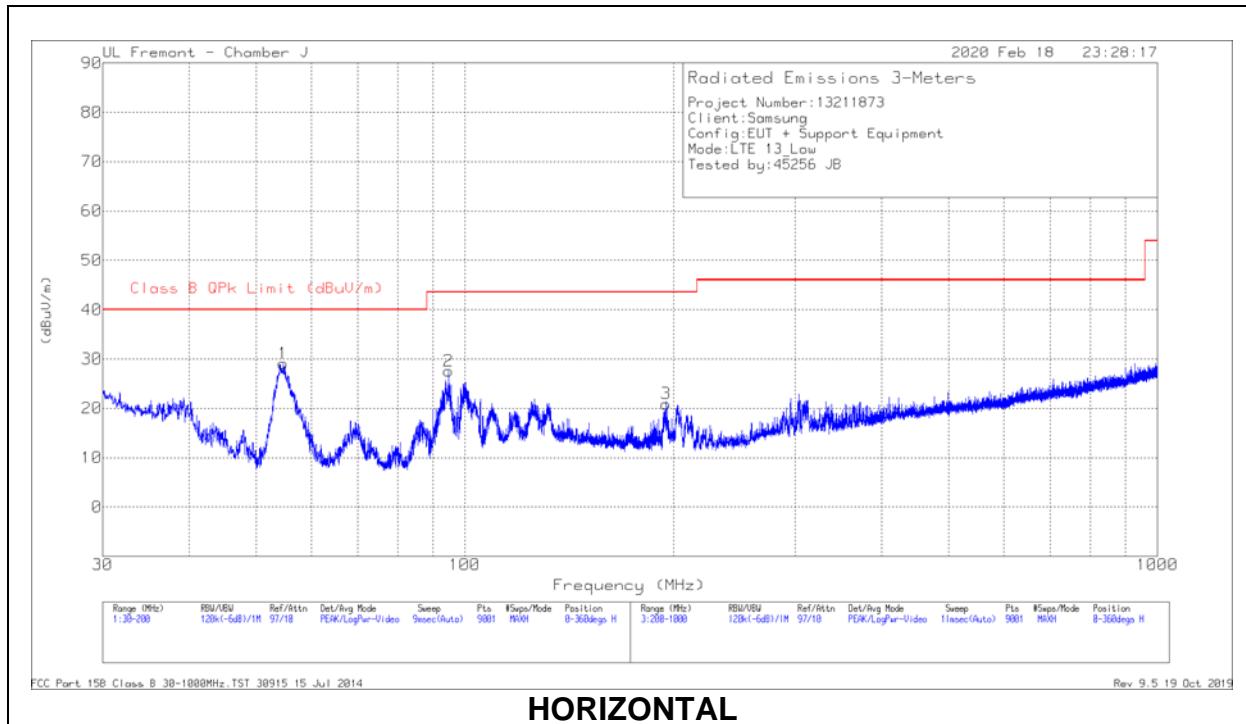
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.36736	33.27	Pk	29.4	-35.8	26.87	-	-	74	-47.13	75	103	H
	1.36736	20.65	Av	29.4	-35.8	14.25	54	-39.75	-	-	75	103	H
2	2.12253	33.58	Pk	31.3	-35.6	29.28	-	-	74	-44.72	154	104	H
	2.12253	20.65	Av	31.3	-35.6	16.35	54	-37.65	-	-	154	104	H
3	2.70075	32.42	Pk	32.2	-35.2	29.42	-	-	74	-44.58	347	171	H
	2.70075	20.16	Av	32.2	-35.2	17.16	54	-36.84	-	-	347	171	H
4	1.73691	43.85	Pk	29.5	-35.7	37.65	-	-	74	-36.35	109	113	V
	1.73691	30.01	Av	29.5	-35.7	23.81	54	-30.19	-	-	109	113	V
5	2.29006	43	Pk	31.8	-35.6	39.2	-	-	74	-34.8	243	322	V
	2.29006	29.82	Av	31.8	-35.6	26.02	54	-27.98	-	-	243	322	V
6	2.48039	45.56	Pk	32.4	-35.5	42.46	-	-	74	-31.54	77	198	V
	2.48039	29.98	Av	32.4	-35.5	26.88	54	-27.12	-	-	77	198	V

Pk - Peak detector
 Av - Average detection

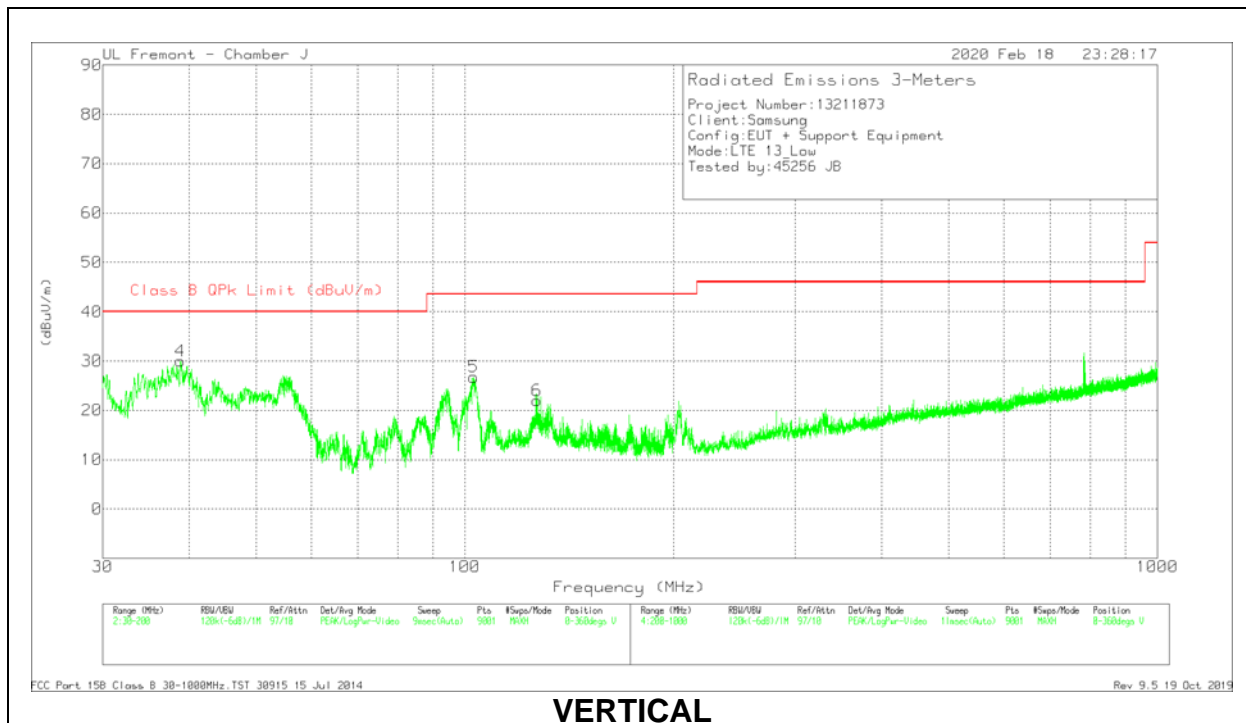
8.3. LTE Band 13

8.3.1. BELOW 1GHz

LOW CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.6879	47.53	Pk	13	-31.4	29.13	40	-10.87	0-360	388	H
2	94.6948	43.92	Pk	14.7	-31	27.62	43.52	-15.9	0-360	292	H
3	195.1276	33.52	Pk	17.9	-30.5	20.92	43.52	-22.6	0-360	101	H
4	38.8589	40.39	Pk	21.1	-31.5	29.99	40	-10.01	0-360	101	V
5	103.006	40.76	Pk	17	-31	26.76	43.52	-16.76	0-360	101	V
6	127.1461	33.32	Pk	19.6	-30.9	22.02	43.52	-21.5	0-360	101	V

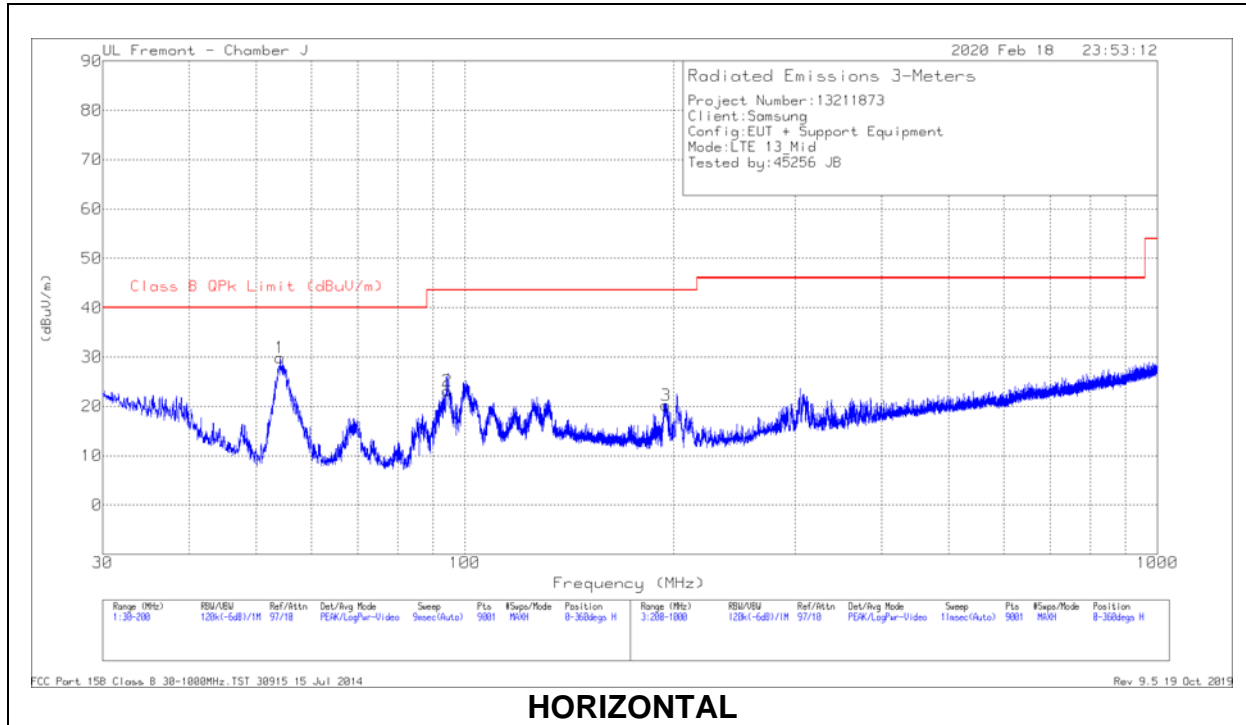
Pk - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
38.9495	41.52	Pk	21	-31.5	31.02	40	-8.98	125	120	V
38.9495	34.77	Qp	21	-31.5	24.27	40	-15.73	125	120	V

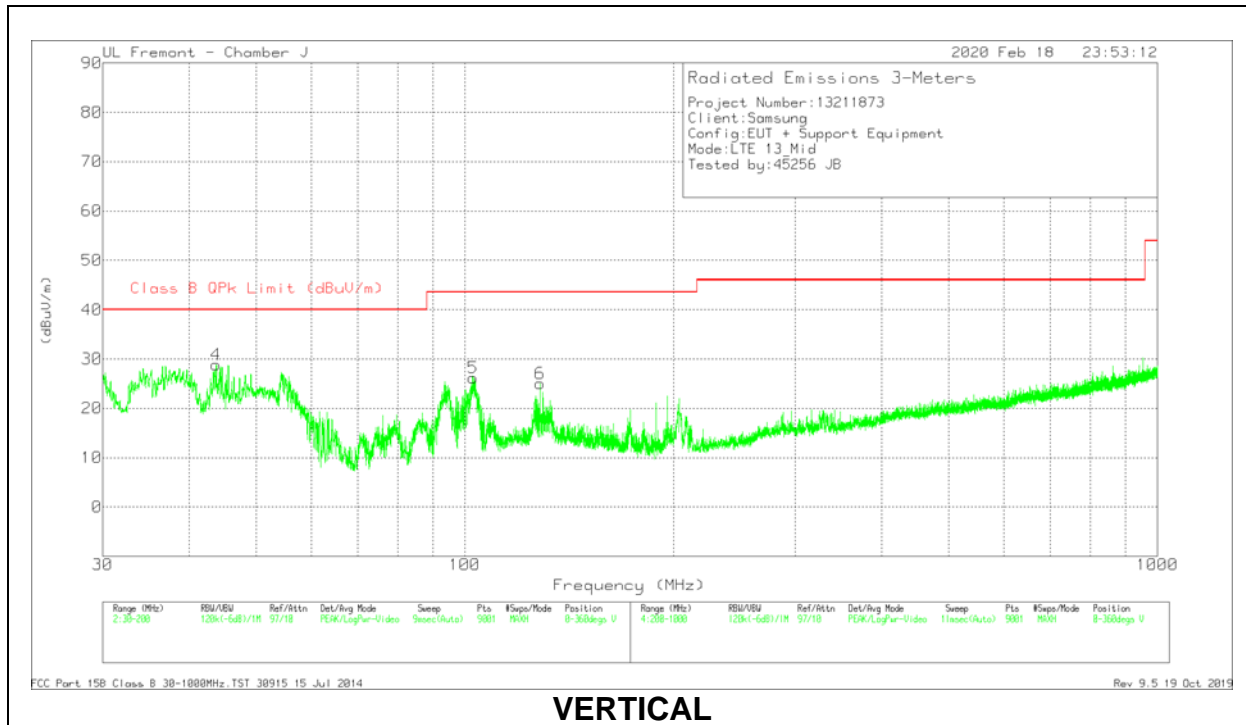
Pk - Peak detector

Qp - Quasi-Peak detector

MID CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.1213	48.4	Pk	12.9	-31.4	29.9	40	-10.1	0-360	389	H
2	94.3737	39.49	Pk	14.6	-31	23.09	43.52	-20.43	0-360	389	H
3	195.3165	32.78	Pk	17.9	-30.5	20.18	43.52	-23.34	0-360	195	H
4	43.7701	43.01	Pk	17.3	-31.5	28.81	40	-11.19	0-360	101	V
5	102.666	40.27	Pk	16.9	-31	26.17	43.52	-17.35	0-360	101	V
6	128.4117	36.35	Pk	19.6	-30.9	25.05	43.52	-18.47	0-360	101	V

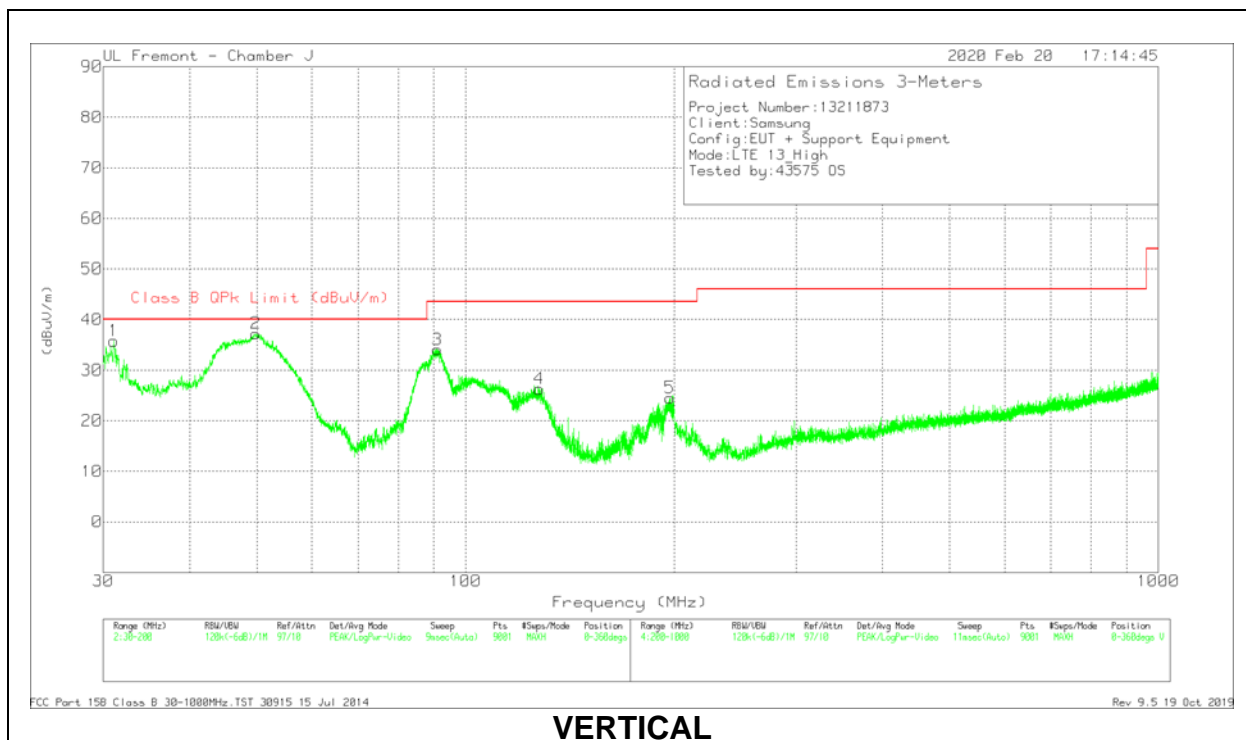
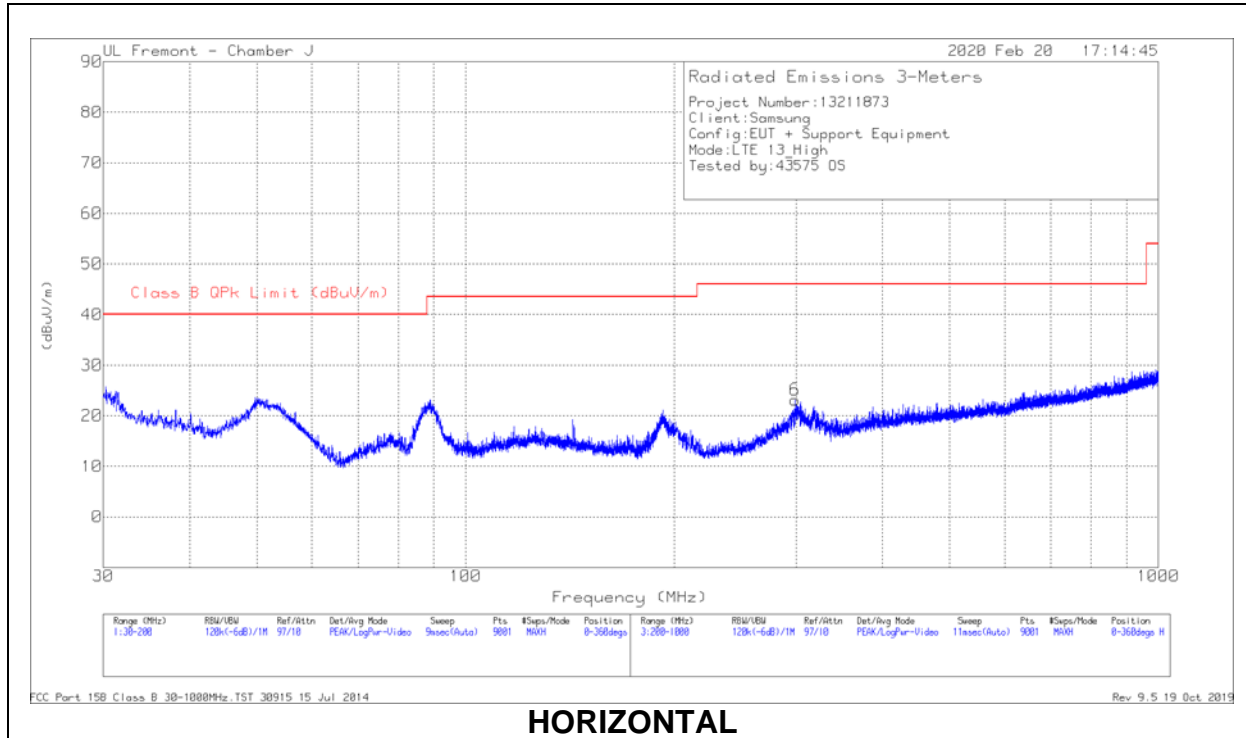
Pk - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
54.3174	48.77	Pk	12.9	-31.4	30.27	40	-9.73	52	376	H
54.3174	44.23	Qp	12.9	-31.4	25.73	40	-14.27	52	376	H

Pk - Peak detector

Qp - Quasi-Peak detector

HIGH CHANNEL



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	31.0578	40.88	Pk	26.5	-31.6	35.78	40	-4.22	0-360	101	V
2	49.8146	55.05	Pk	13.6	-31.4	37.25	40	-2.75	0-360	101	V
3	91.0681	51.37	Pk	13.8	-31.1	34.07	43.52	-9.45	0-360	101	V
4	127.7222	37.6	Pk	19.6	-30.9	26.3	43.52	-17.22	0-360	101	V
5	197.2054	36.71	Pk	18.2	-30.4	24.51	43.52	-19.01	0-360	101	V
6	299.1112	33.94	Pk	19.2	-30	23.14	46.02	-22.88	0-360	101	H

Pk - Peak detector

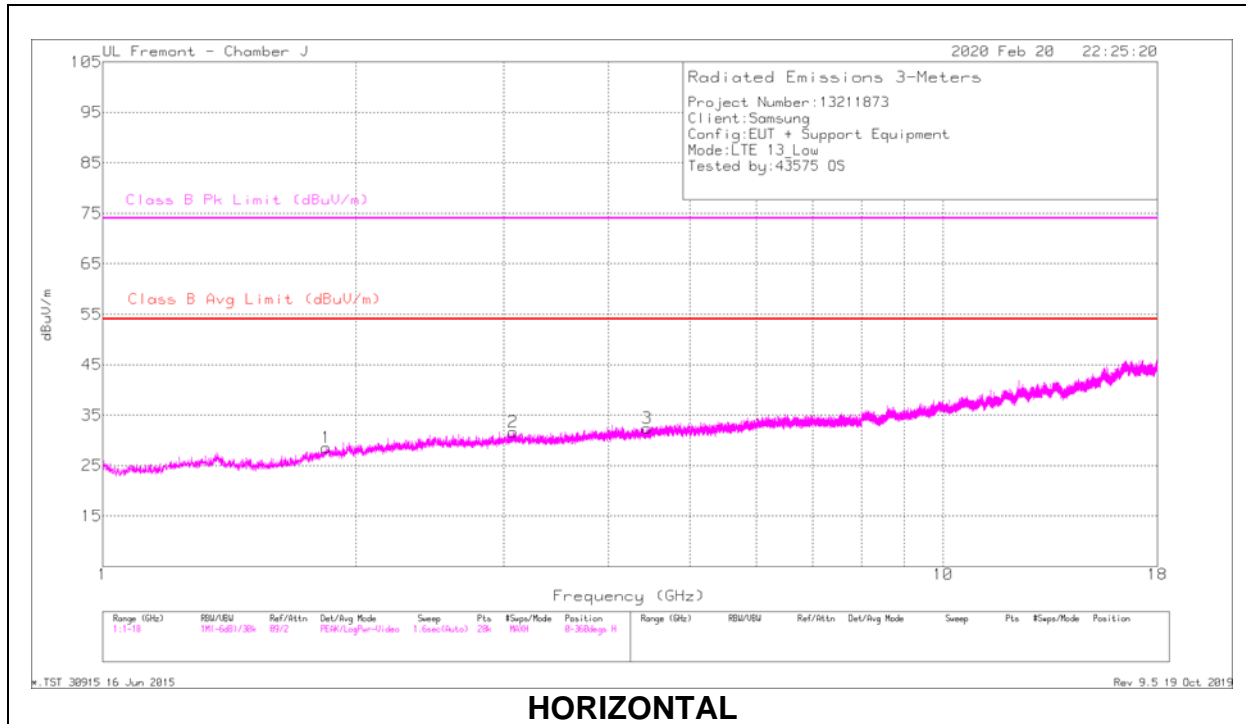
Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
31.2482	39.51	Pk	26.4	-31.6	34.31	40	-5.69	286	101	V
31.2482	29.14	Qp	26.4	-31.6	23.94	40	-16.06	286	101	V
50.0515	42.45	Pk	13.5	-31.4	24.55	40	-15.45	2	286	V
50.0515	43.34	Qp	13.5	-31.4	25.44	40	-14.56	2	286	V

Pk - Peak detector

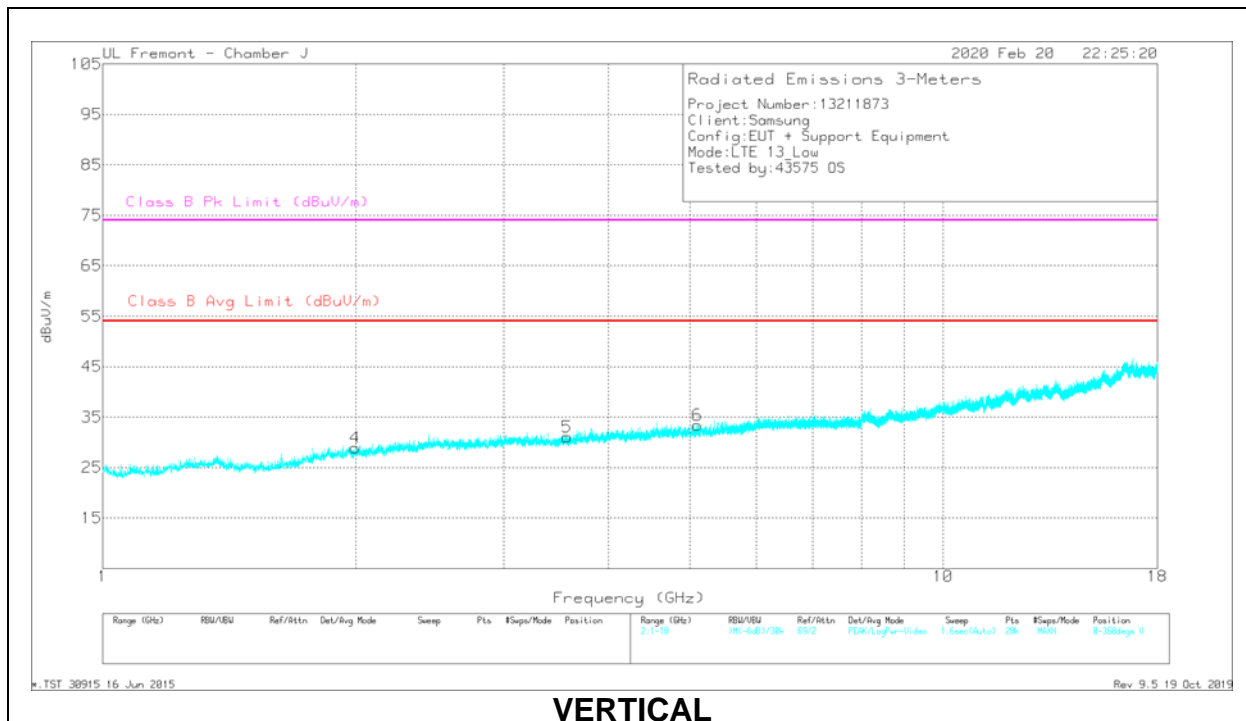
Qp - Quasi-Peak detector

8.3.2. ABOVE 1GHz

LOW CHANNEL



HORIZONTAL



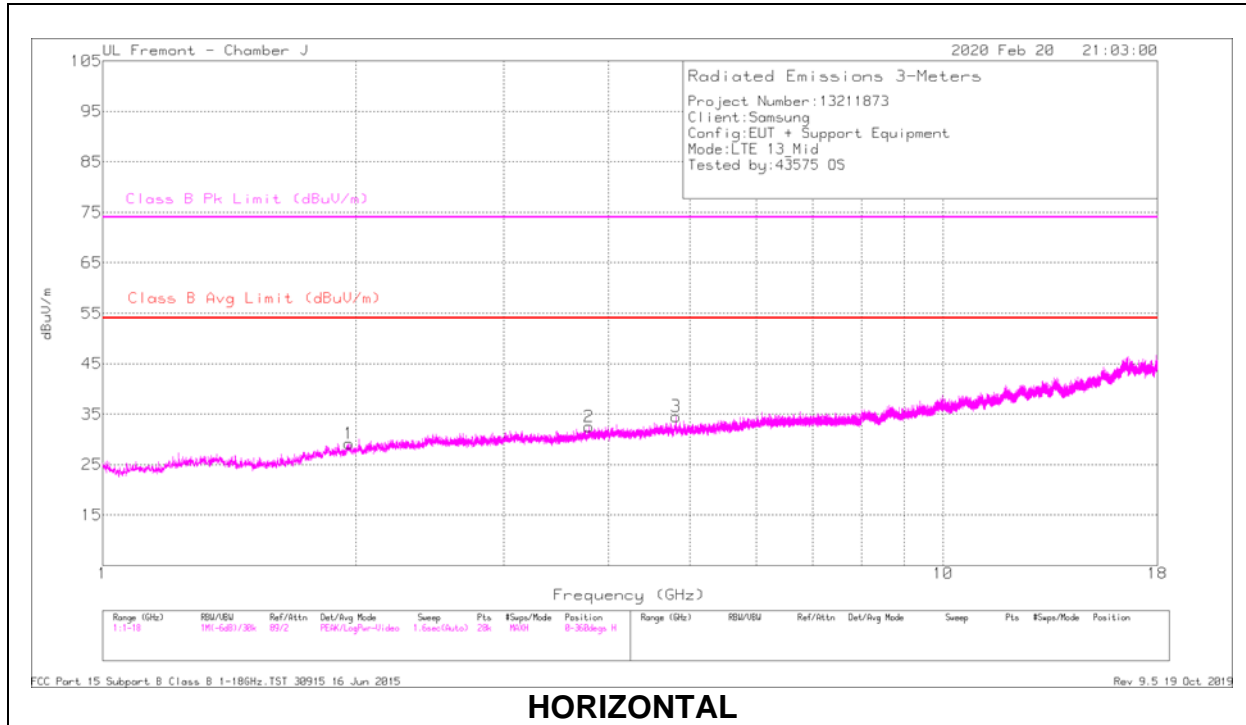
VERTICAL

RADIATED EMISSIONS

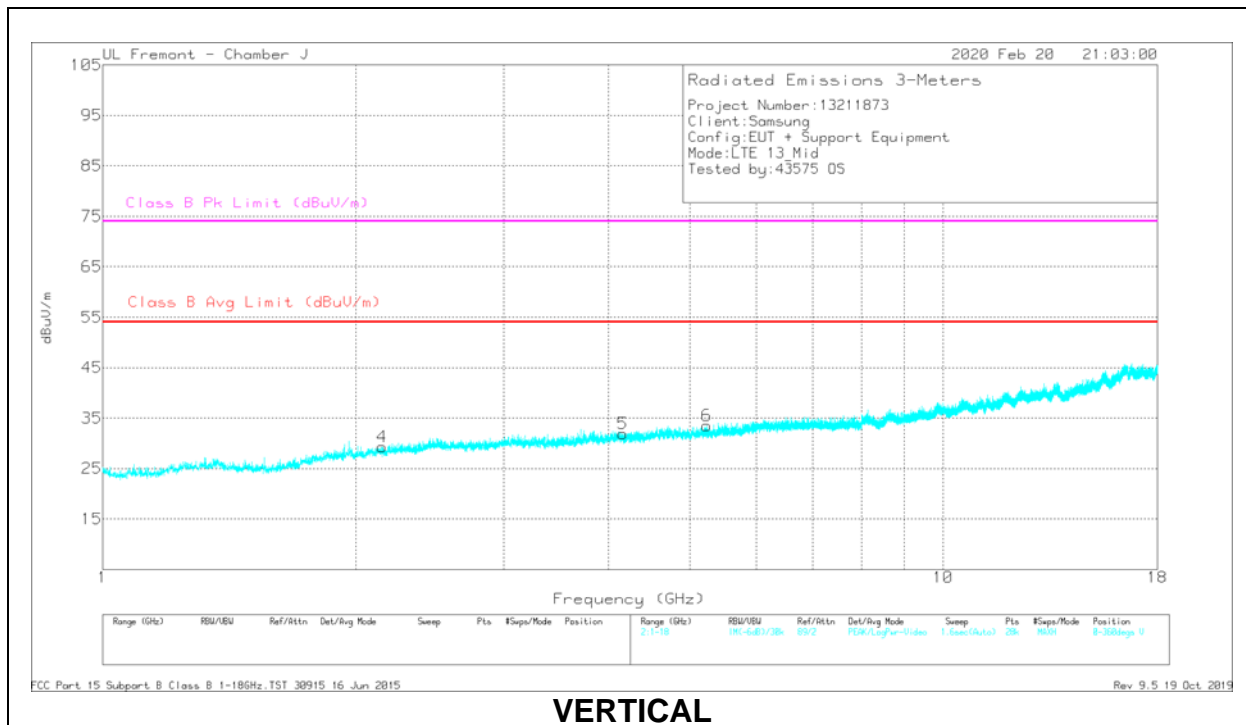
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.84564	34.2	Pk	30.5	-35.8	28.9	-	-	74	-45.1	30	331	H
	1.84564	20.88	Av	30.5	-35.8	15.58	54	-38.42	-	-	30	331	H
2	3.07956	32.5	Pk	33	-34.9	30.6	-	-	74	-43.4	215	140	H
	3.07956	20.38	Av	33	-34.9	18.48	54	-35.52	-	-	215	140	H
3	4.44812	29.87	Pk	33.6	-31.6	31.87	-	-	74	-42.13	161	198	H
	4.44812	17.35	Av	33.6	-31.6	19.35	54	-34.65	-	-	161	198	H
4	1.99975	43.62	Pk	30.9	-35.7	38.82	-	-	74	-35.18	222	115	V
	1.99975	29.54	Av	30.9	-35.7	24.74	54	-29.26	-	-	222	115	V
5	3.56503	42.15	Pk	32.9	-33.9	41.15	-	-	74	-32.85	322	334	V
	3.56503	28.51	Av	32.9	-33.9	27.51	54	-26.49	-	-	322	334	V
6	5.10396	39.34	Pk	34.2	-31	42.54	-	-	74	-31.46	356	171	V
	5.10396	26.06	Av	34.2	-31	29.26	54	-24.74	-	-	356	171	V

Pk - Peak detector
 Av - Average detection

MID CHANNEL



HORIZONTAL



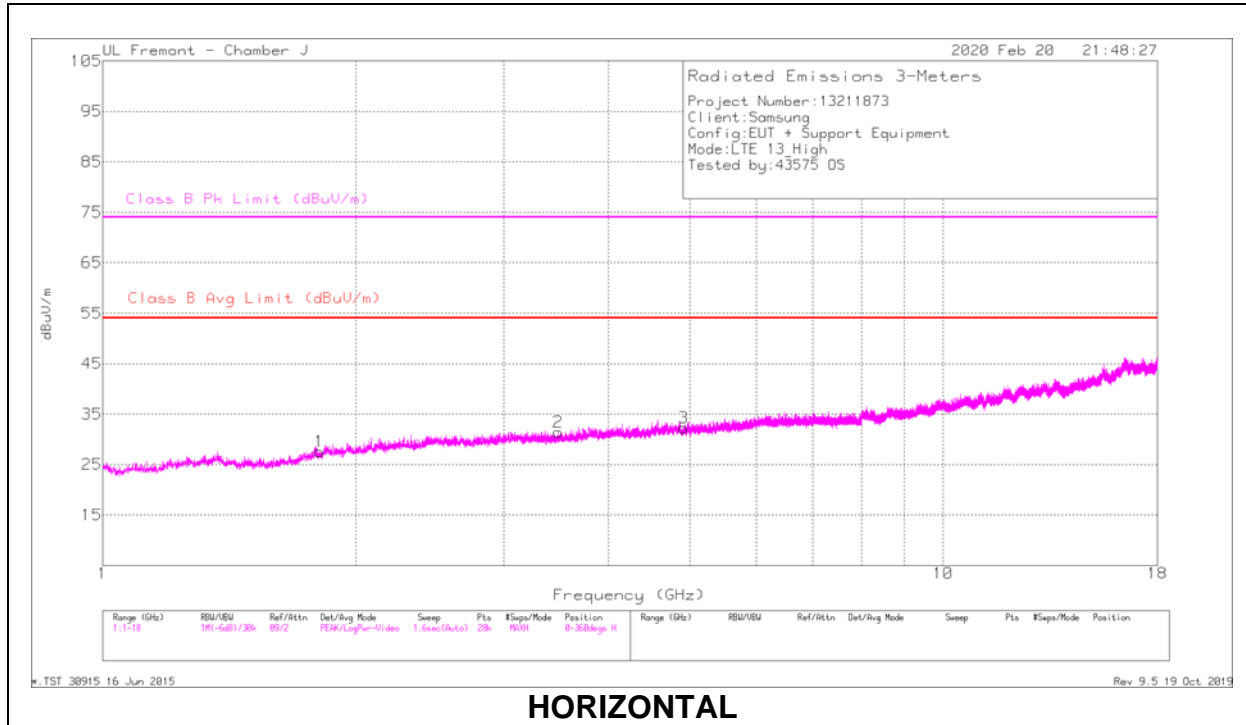
VERTICAL

RADIATED EMISSIONS

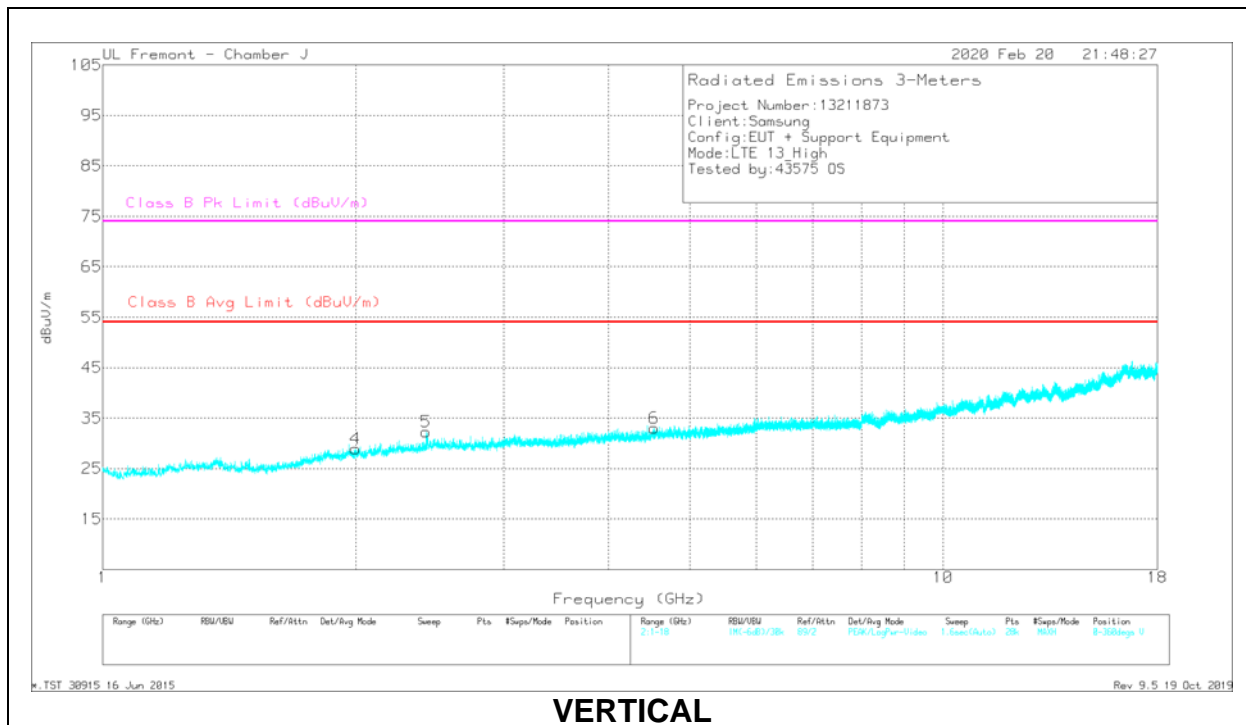
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.96372	33.11	Pk	31	-35.7	28.41	-	-	74	-45.59	327	347	H
	1.96372	20.78	Av	31	-35.7	16.08	54	-37.92	-	-	327	347	H
2	3.78884	30.66	Pk	33.5	-33.1	31.06	-	-	74	-42.94	156	250	H
	3.78884	18.54	Av	33.5	-33.1	18.94	54	-35.06	-	-	156	250	H
3	4.80967	29.42	Pk	34.2	-31.2	32.42	-	-	74	-41.58	4	114	H
	4.80967	17.06	Av	34.2	-31.2	20.06	54	-33.94	-	-	4	114	H
4	2.14869	43.21	Pk	31.4	-35.6	39.01	-	-	74	-34.99	32	327	V
	2.14869	29.76	Av	31.4	-35.6	25.56	54	-28.44	-	-	32	327	V
5	4.15621	39.85	Pk	33.6	-32.1	41.35	-	-	74	-32.65	181	190	V
	4.15621	26.96	Av	33.6	-32.1	28.46	54	-25.54	-	-	181	190	V
6	5.23356	38.85	Pk	34.3	-30.8	42.35	-	-	74	-31.65	346	140	V
	5.23356	25.72	Av	34.3	-30.8	29.22	54	-24.78	-	-	346	140	V

Pk - Peak detector
 Av - Average detection

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

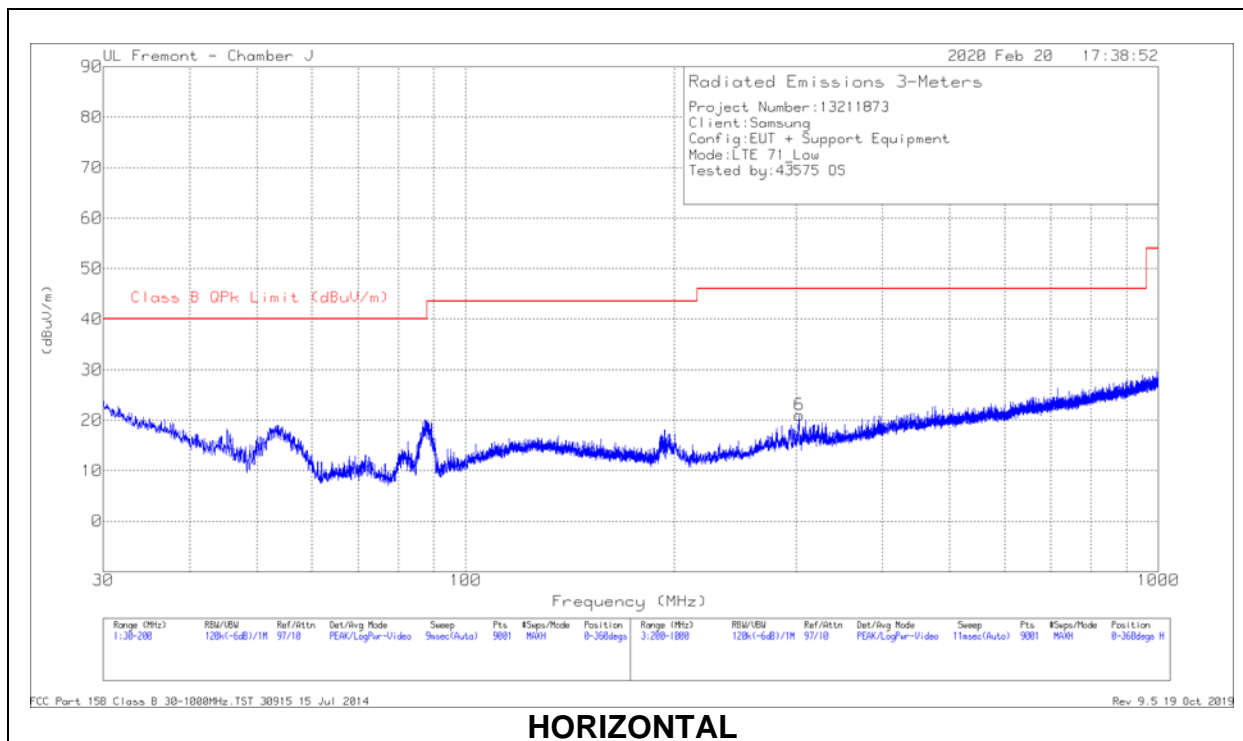
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.81225	33.36	Pk	30.1	-35.8	27.66	-	-	74	-46.34	165	331	H
	1.81225	20.58	Av	30.1	-35.8	14.88	54	-39.12	-	-	165	331	H
2	3.48493	31.87	Pk	32.6	-34	30.47	-	-	74	-43.53	170	344	H
	3.48493	19.31	Av	32.6	-34	17.91	54	-36.09	-	-	170	344	H
3	4.91024	29.92	Pk	34.1	-31.4	32.62	-	-	74	-41.38	44	128	H
	4.91024	17.19	Av	34.1	-31.4	19.89	54	-34.11	-	-	44	128	H
4	1.99804	42.64	Pk	30.9	-35.7	37.84	-	-	74	-36.16	249	262	V
	1.99804	29.46	Av	30.9	-35.7	24.66	54	-29.34	-	-	249	262	V
5	2.42544	44.06	Pk	32.2	-35.5	40.76	-	-	74	-33.24	119	147	V
	2.42544	29.91	Av	32.2	-35.5	26.61	54	-27.39	-	-	119	147	V
6	4.52866	39.17	Pk	34.1	-31.6	41.67	-	-	74	-32.33	26	277	V
	4.52866	26.15	Av	34.1	-31.6	28.65	54	-25.35	-	-	26	277	V

Pk - Peak detector
 Av - Average detection

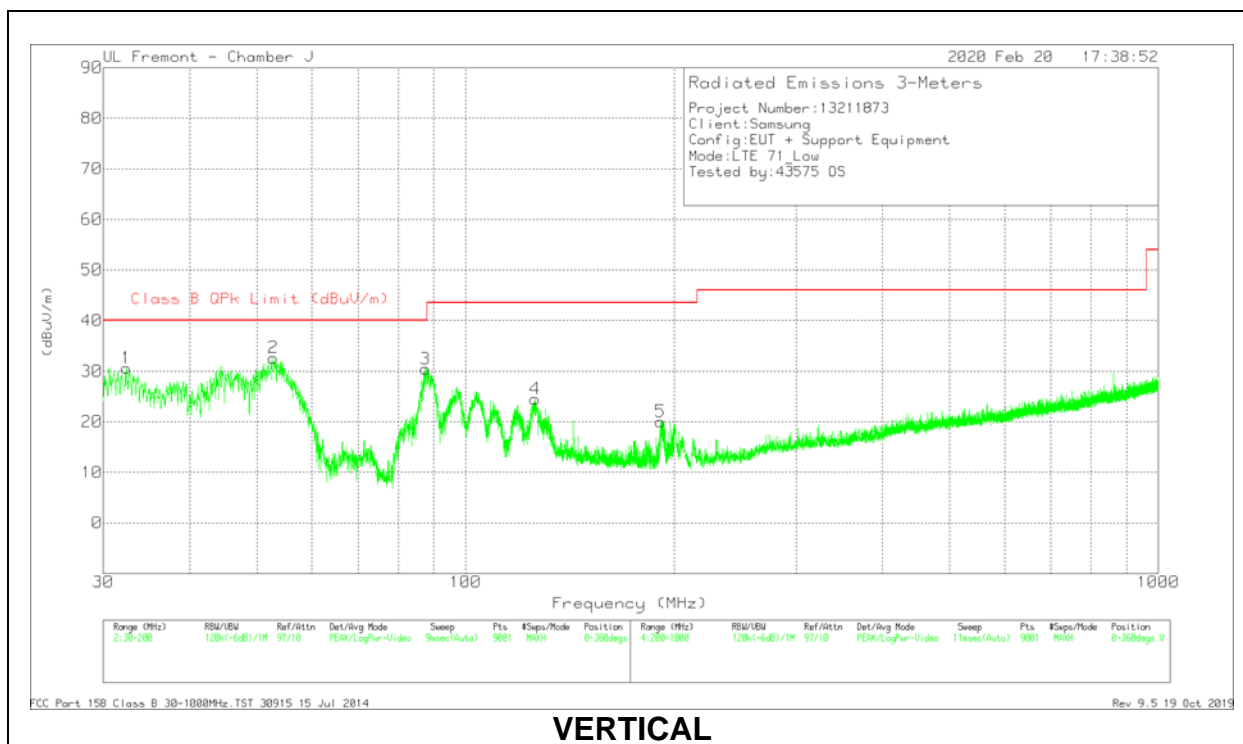
8.4. LTE Band 71

8.4.1. BELOW 1GHz

LOW CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	32.3989	36.59	Pk	25.6	-31.6	30.59	40	-9.41	0-360	101	V
2	52.7896	51.14	Pk	12.9	-31.4	32.64	40	-7.36	0-360	101	V
3	87.5548	48.25	Pk	13.3	-31.1	30.45	40	-9.55	0-360	101	V
4	126.0695	35.8	Pk	19.6	-30.9	24.5	43.52	-19.02	0-360	101	V
5	191.2365	33.13	Pk	17.4	-30.5	20.03	43.52	-23.49	0-360	101	V
6	303.289	31.86	Pk	19.3	-30.1	21.06	46.02	-24.96	0-360	101	H

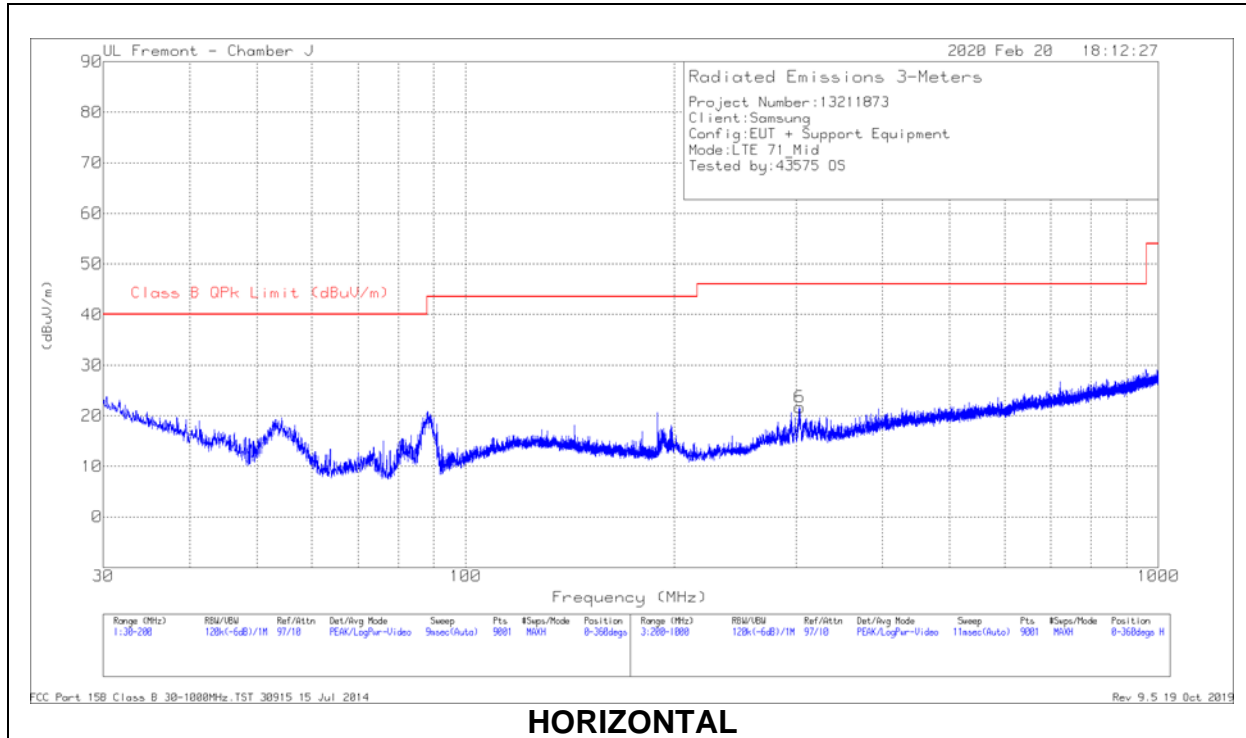
Pk - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
52.7158	50.61	Pk	12.9	-31.4	32.11	40	-7.89	82	140	V
52.7158	46.77	Qp	12.9	-31.4	28.27	40	-11.73	82	140	V

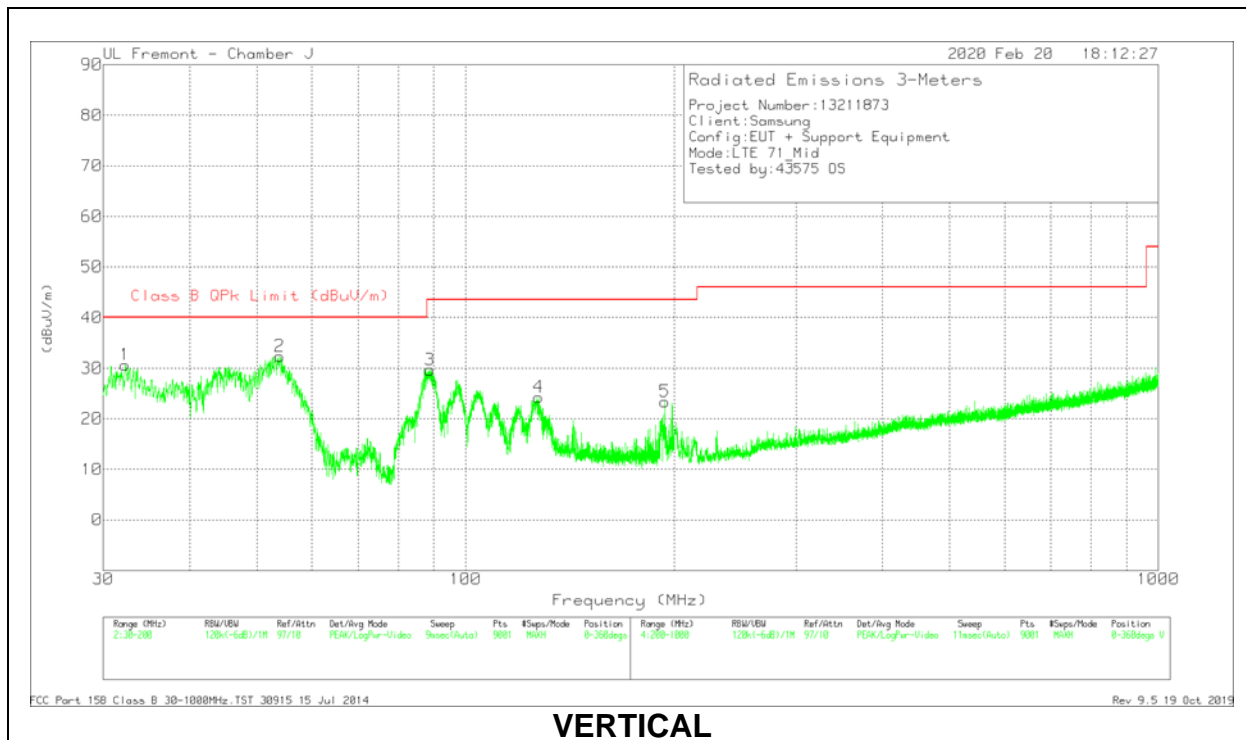
Pk - Peak detector

Qp - Quasi-Peak detector

MID CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	32.2478	36.55	Pk	25.7	-31.6	30.65	40	-9.35	0-360	101	V
2	53.9701	50.85	Pk	12.9	-31.4	32.35	40	-7.65	0-360	101	V
3	88.7826	47.37	Pk	13.4	-31.1	29.67	43.52	-13.85	0-360	101	V
4	127.5995	35.58	Pk	19.6	-30.9	24.28	43.52	-19.24	0-360	101	V
5	194.0132	36.21	Pk	17.7	-30.5	23.41	43.52	-20.11	0-360	101	V
6	303.6446	32.4	Pk	19.4	-30.1	21.7	46.02	-24.32	0-360	98	H

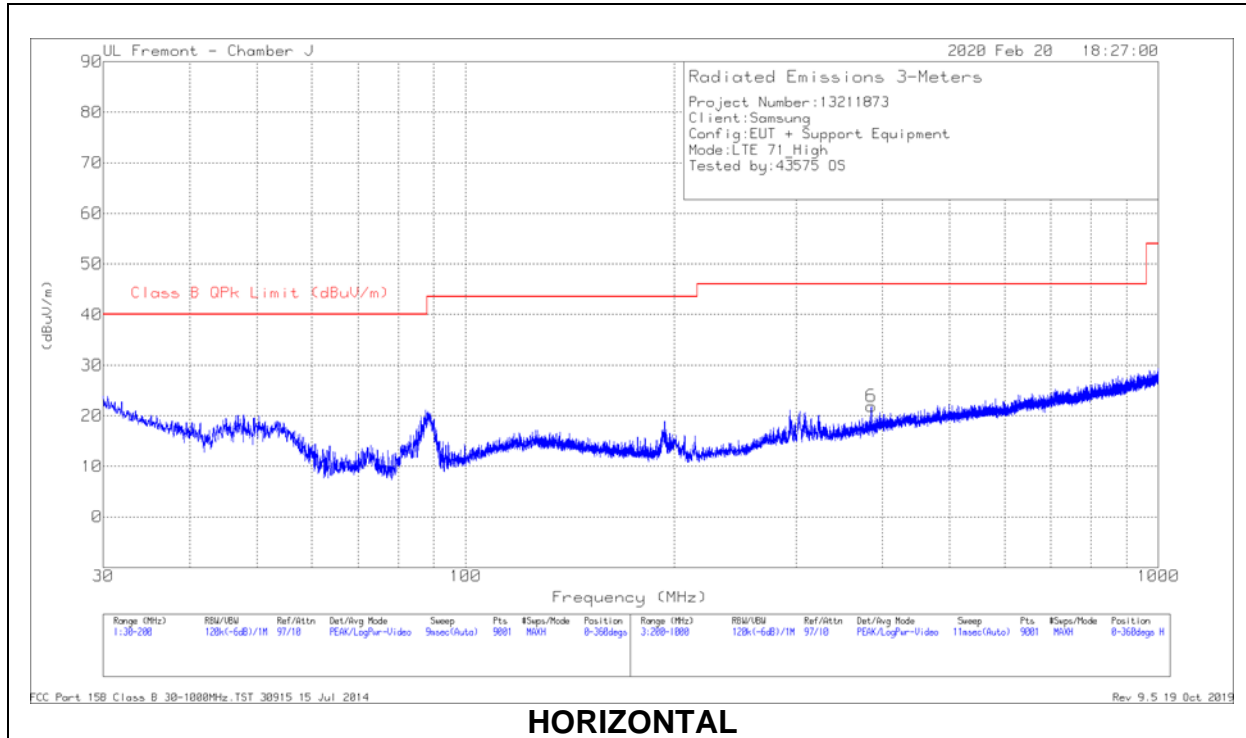
Pk - Peak detector

Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
53.9169	51.27	Pk	12.9	-31.4	32.77	40	-7.23	76	101	V
53.9169	47.17	Qp	12.9	-31.4	28.67	40	-11.33	76	101	V

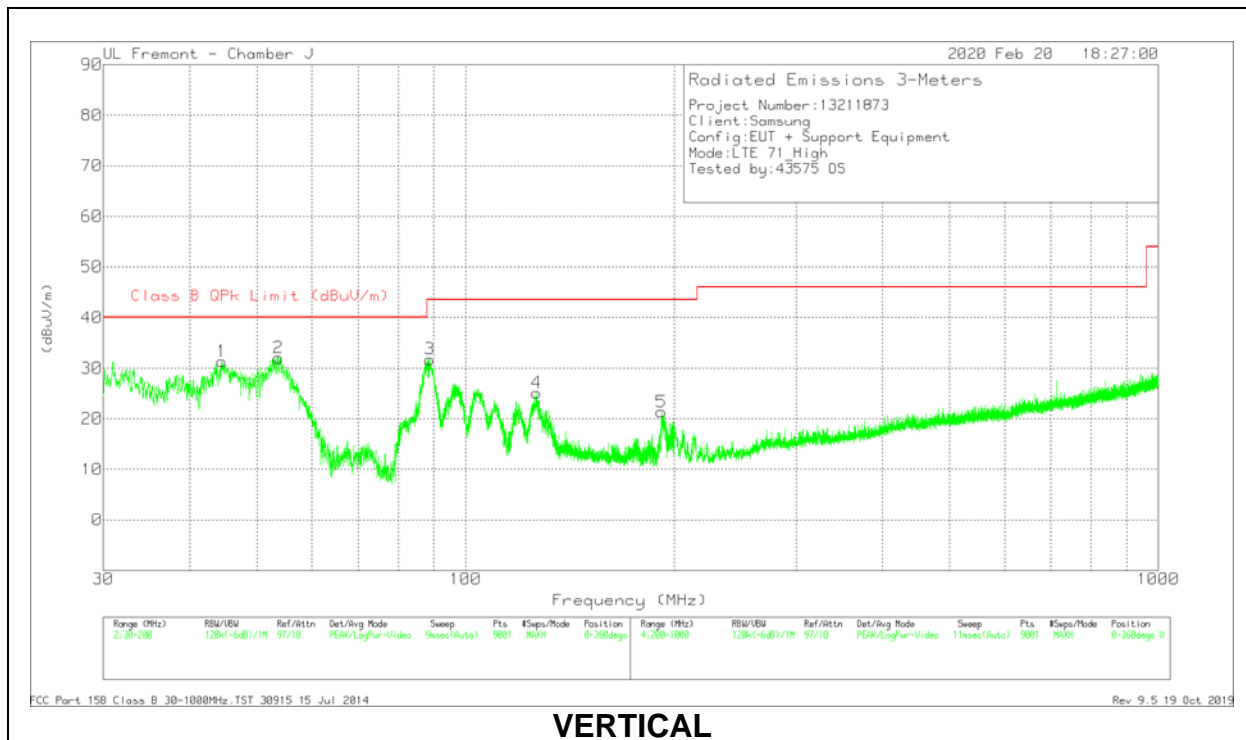
Pk - Peak detector

Qp - Quasi-Peak detector

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	44.4784	46.04	Pk	16.8	-31.5	31.34	40	-8.66	0-360	101	V
2	53.6679	50.53	Pk	12.9	-31.4	32.03	40	-7.97	0-360	101	V
3	88.8392	49.46	Pk	13.4	-31.1	31.76	43.52	-11.76	0-360	101	V
4	126.7872	36.43	Pk	19.6	-30.9	25.13	43.52	-18.39	0-360	101	V
5	191.8221	34.45	Pk	17.4	-30.5	21.35	43.52	-22.17	0-360	101	V
6	385.3336	30.81	Pk	20.9	-29.8	21.91	46.02	-24.11	0-360	101	H

Pk - Peak detector

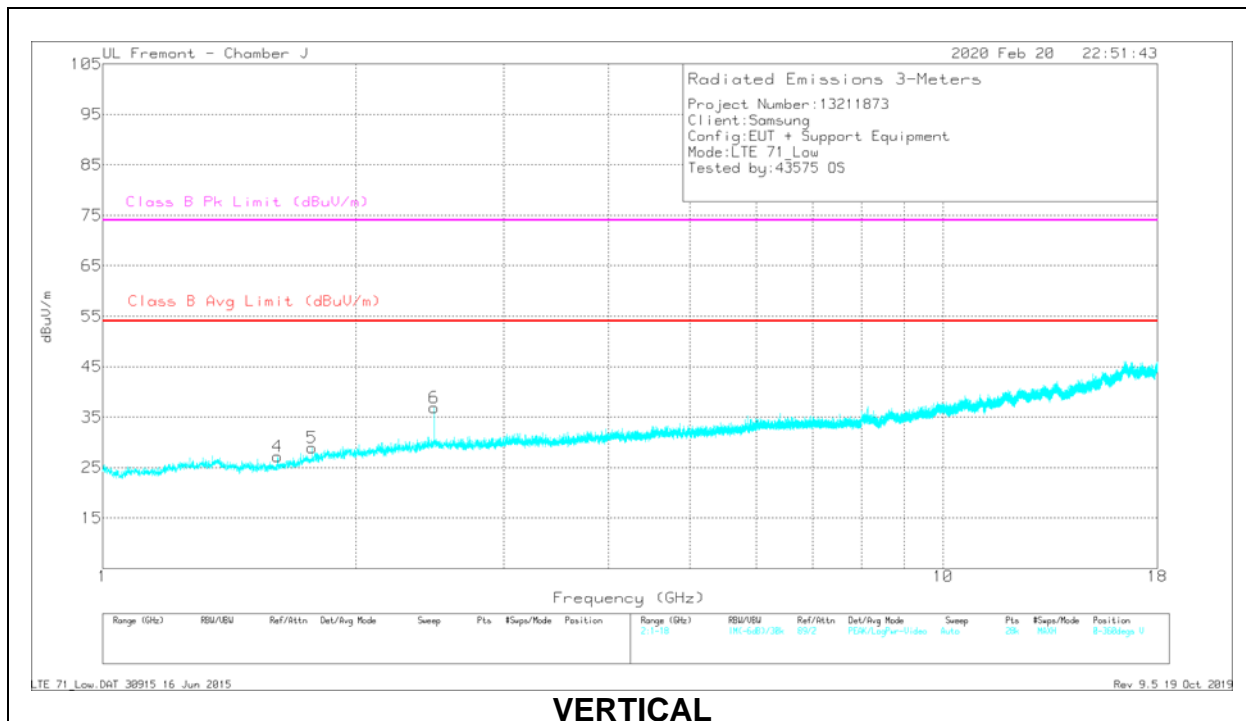
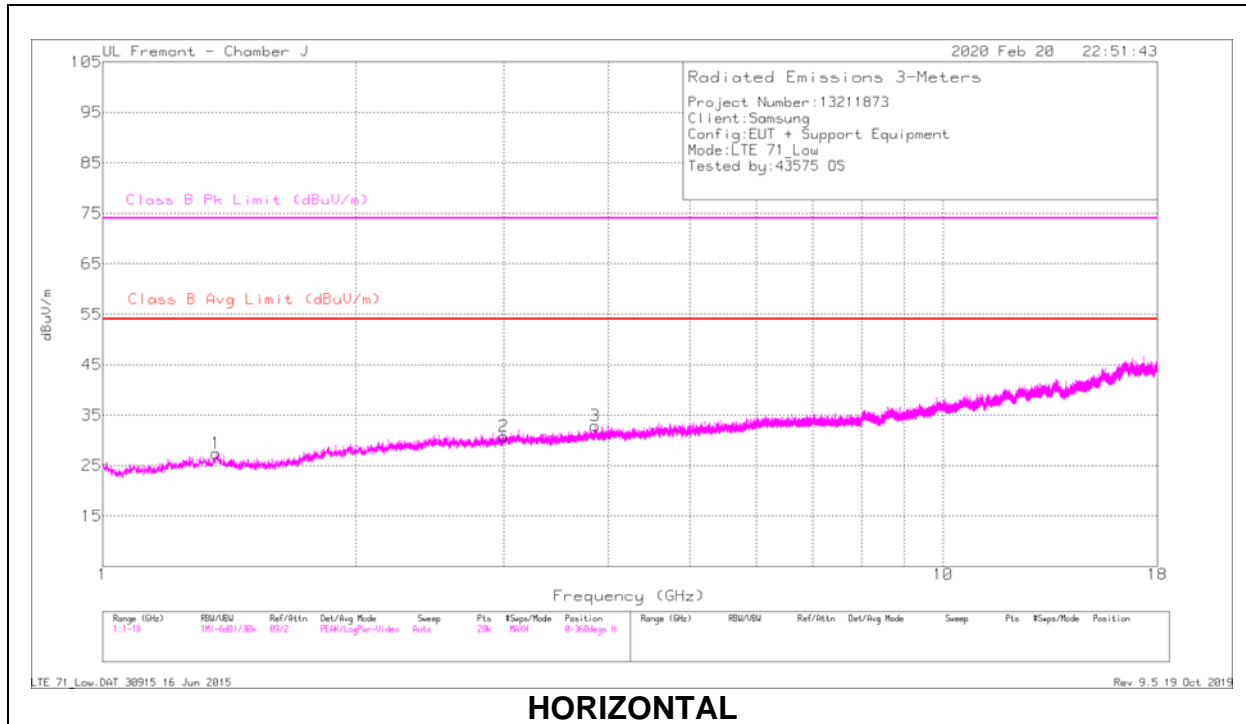
Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	Class B QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
53.4444	51.65	Pk	12.9	-31.4	33.15	40	-6.85	94	102	V
53.4444	47.53	Qp	12.9	-31.4	29.03	40	-10.97	94	102	V

Pk - Peak detector

Qp - Quasi-Peak detector

8.4.2. ABOVE 1GHz

LOW CHANNEL



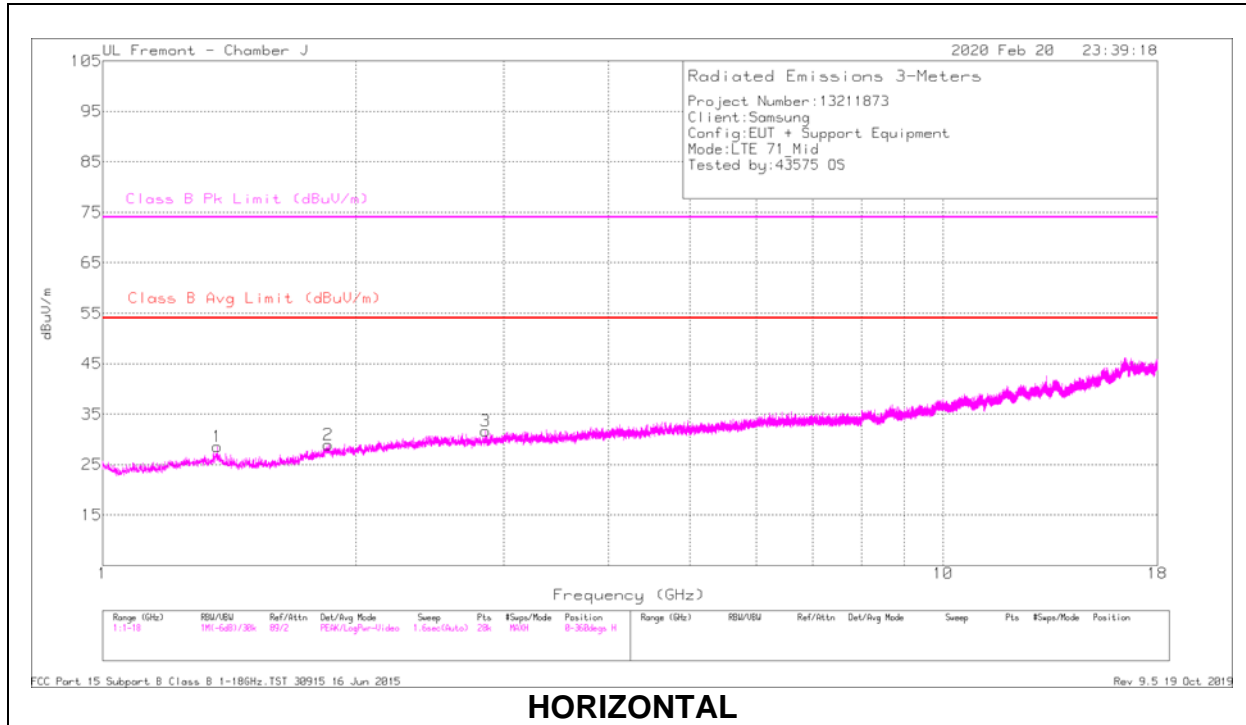
RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.36387	33.27	Pk	29.4	-35.8	26.87	-	-	74	-47.13	83	245	H
	1.36387	20.48	Av	29.4	-35.8	14.08	54	-39.92	-	-	83	245	H
2	2.99892	32.3	Pk	32.8	-35	30.1	-	-	74	-43.9	133	252	H
	2.99892	19.93	Av	32.8	-35	17.73	54	-36.27	-	-	133	252	H
3	3.85781	30.84	Pk	33.6	-33.1	31.34	-	-	74	-42.66	333	341	H
	3.85781	18.28	Av	33.6	-33.1	18.78	54	-35.22	-	-	333	341	H
4	1.61596	43.88	Pk	28.2	-35.8	36.28	-	-	74	-37.72	111	127	V
	1.61596	29.93	Av	28.2	-35.8	22.33	54	-31.67	-	-	111	127	V
5	1.77266	43.2	Pk	29.7	-35.8	37.1	-	-	74	-36.9	279	127	V
	1.77266	29.63	Av	29.7	-35.8	23.53	54	-30.47	-	-	279	127	V
6	2.47982	44.16	Pk	32.4	-35.5	41.06	-	-	74	-32.94	115	152	V
	2.47782	29.78	Av	32.3	-35.5	26.58	54	-27.42	-	-	115	152	V

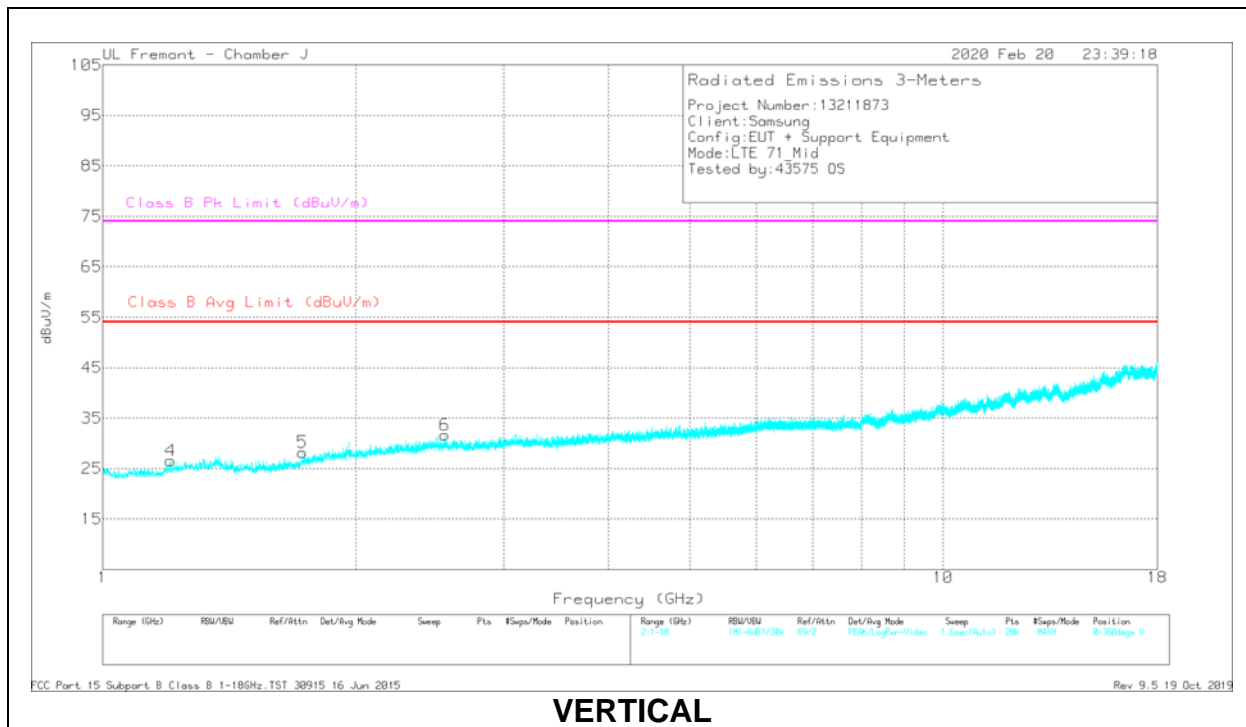
Pk - Peak detector

Avg - Video bandwidth < Resolution bandwidth

MID CHANNEL



HORIZONTAL



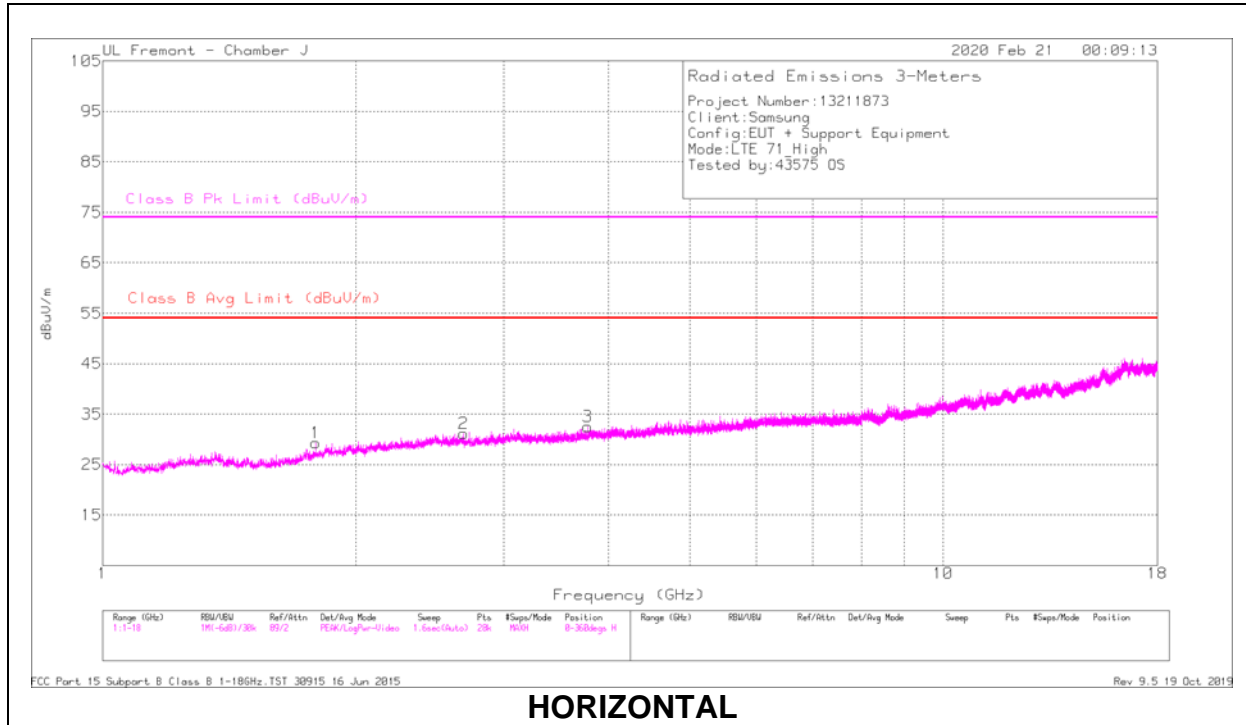
VERTICAL

RADIATED EMISSIONS

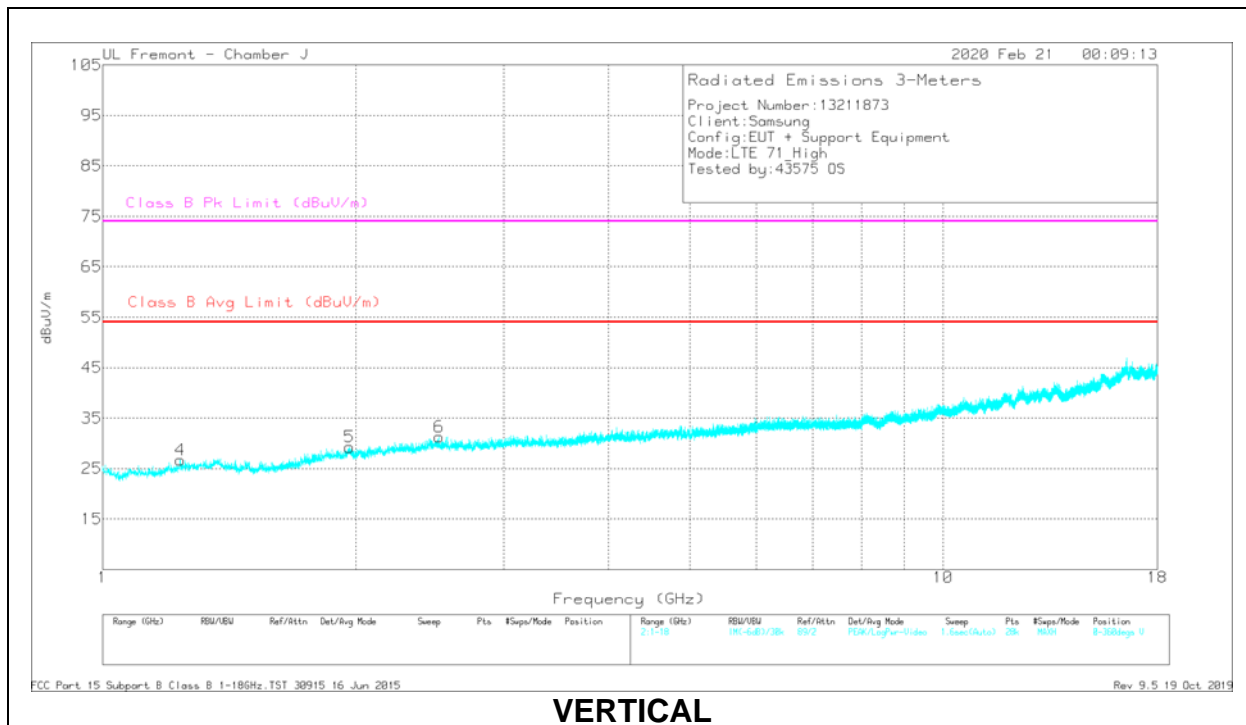
Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.36926	33.11	Pk	29.4	-35.9	26.61	-	-	74	-47.39	99	309	H
	1.36926	20.62	Av	29.4	-35.9	14.12	54	-39.88	-	-	99	309	H
2	1.85506	34.15	Pk	30.6	-35.8	28.95	-	-	74	-45.05	29	248	H
	1.85506	20.73	Av	30.6	-35.8	15.53	54	-38.47	-	-	29	248	H
3	2.85462	32.79	Pk	32.3	-35.2	29.89	-	-	74	-44.11	17	145	H
	2.85462	20.45	Av	32.3	-35.2	17.55	54	-36.45	-	-	17	145	H
4	1.20451	43.31	Pk	28.2	-35.8	35.71	-	-	74	-38.29	89	321	V
	1.20451	29.75	Av	28.2	-35.8	22.15	54	-31.85	-	-	89	321	V
5	1.7273	43.36	Pk	29.2	-35.8	36.76	-	-	74	-37.24	93	115	V
	1.7273	29.94	Av	29.2	-35.8	23.34	54	-30.66	-	-	93	115	V
6	2.55167	43.23	Pk	32.3	-35.3	40.23	-	-	74	-33.77	17	156	V
	2.55167	29.76	Av	32.3	-35.3	26.76	54	-27.24	-	-	17	156	V

Pk - Peak detector
 Av - Average detection

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.7921	33.51	Pk	29.9	-35.8	27.61	-	-	74	-46.39	310	339	H
	1.7921	20.87	Av	29.9	-35.8	14.97	54	-39.03	-	-	310	339	H
2	2.68852	33.56	Pk	32.3	-35.2	30.66	-	-	74	-43.34	230	257	H
	2.68852	20.25	Av	32.3	-35.2	17.35	54	-36.65	-	-	230	257	H
3	3.77815	30.74	Pk	33.4	-33.2	30.94	-	-	74	-43.06	287	204	H
	3.77815	18.43	Av	33.4	-33.2	18.63	54	-35.37	-	-	287	204	H
4	1.23583	42.73	Pk	28.6	-35.8	35.53	-	-	74	-38.47	138	340	V
	1.23583	29.41	Av	28.6	-35.8	22.21	54	-31.79	-	-	138	340	V
5	1.96761	43.64	Pk	31	-35.7	38.94	-	-	74	-35.06	42	114	V
	1.96761	29.94	Av	31	-35.7	25.24	54	-28.76	-	-	42	114	V
6	2.51204	43.57	Pk	32.4	-35.5	40.47	-	-	74	-33.53	271	342	V
	2.51204	29.7	Av	32.4	-35.5	26.6	54	-27.4	-	-	271	342	V

Pk - Peak detector
 Av - Average detection