



TEST REPORT

Report Number. : 13583138-E3V1

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

Model : SM-A526B/DS, SM-A526B

FCC ID : A3LSMA526B

EUT Description : GSM/WCDMA/LTE/5G Phablet with BT/BLE,DTS/UNII a/b/g/n/ac
and NFC

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C

Date Of Issue:

January 26, 2021

Prepared by:

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NVLAP Lab code: 200065-0

REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	1/26/2021	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

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

EUT DESCRIPTION: GSM/WCDMA/LTE/5G Phablet with BT/BLE,DTS/UNII a/b/g/n/ac
and NFC

MODEL: SM-A526B/DS, SM-A526B

SERIAL NUMBER: (Conducted Sample): R3CN90Q16EZ
(Radiated Sample): 49a9c185151d7ece

DATE TESTED: NOVEMBER 16, 2020 – DECEMBER 17, 2020

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	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 For
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2. TEST RESULTS SUMMARY

FCC Clause	Requirement	Result	Comment
See Comment	Duty Cycle	Reporting purposes only	ANSI C63.10 Section 11.6.
-	99% OBW	Reporting purposes only	ANSI C63.10 Section 6.9.3.
15.247 (a) (2)	6dB BW	Complies	None.
15.247 (b) (3)	Output Power	Complies	None.
See Comment	Average power	Reporting purposes only	Per ANSI C63.10, Section 11.9.2.3.2.
15.247 (e)	PSD	Complies	None.
15.247 (d)	Conducted Spurious Emissions	Complies	None.
15.209, 15.205	Radiated Emissions	Complies	None.
15.207	AC Mains Conducted Emissions	Complies	None.

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2013, KDB 558074 D01 15.247 Meas Guidance v05r02 and KDB 414788 D01 Radiated Test Site v01r01.

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
<input type="checkbox"/>	Building 1: 47173 Benicia Street, Fremont, California 94538, USA	US0104	2324A	208313
<input type="checkbox"/>	Building 2: 47266 Benicia Street, Fremont, California 94538, USA	US0104	22541	208313
<input checked="" type="checkbox"/>	Building 4: 47658 Kato Rd, Fremont, California 94538, USA	US0104	2324B	208313

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	U _{Lab}
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.84 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	4.84 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

$$\text{Field Strength (dBuV/m)} = \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Preamp Gain (dB)}$$

$$36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

$$\text{Final Voltage (dBuV)} = \text{Measured Voltage (dBuV)} + \text{Cable Loss (dB)} + \text{Limiter Factor (dB)} + \text{LISN Insertion Loss}$$

$$36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$$

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a GSM/WCDMA/LTE/5G Phablet with BT/BLE,DTS/UNII a/b/g/n/ac and NFC. The model SM-A526B/DS was used for final testing and is representative of the test results in this report.

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum peak conducted output power as follows:

Frequency Range	Mode	Output Power (dBm)	Output Power (mW)
2402 - 2480	BLE (1Mbps)	6.05	4.03
2402 - 2480	BLE (2Mbps)	6.22	4.19

6.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FIPA antenna, with a maximum gain of -2.56 dBi.

6.4. SOFTWARE AND FIRMWARE

The test utility software used during testing was A526B.001.

6.5. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz, above 18GHz, and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

Band edge and radiated emissions between 1GHz and 18GHz were performed with the EUT set to transmit at the highest power on low, middle and high channels.

The fundamental of the EUT was investigated in three orthogonal orientations X, Y, Z, it was determined that X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X orientation.

Worst-case data rates as provided by the client were:

BLE (1Mbps): 1 Mbps
BLE (2Mbps): 2 Mbps

6.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	Samsung	EP-TA800	R37M8PH3JN2SE3	N/A
Earphone	Samsung	N/A	N/A	N/A

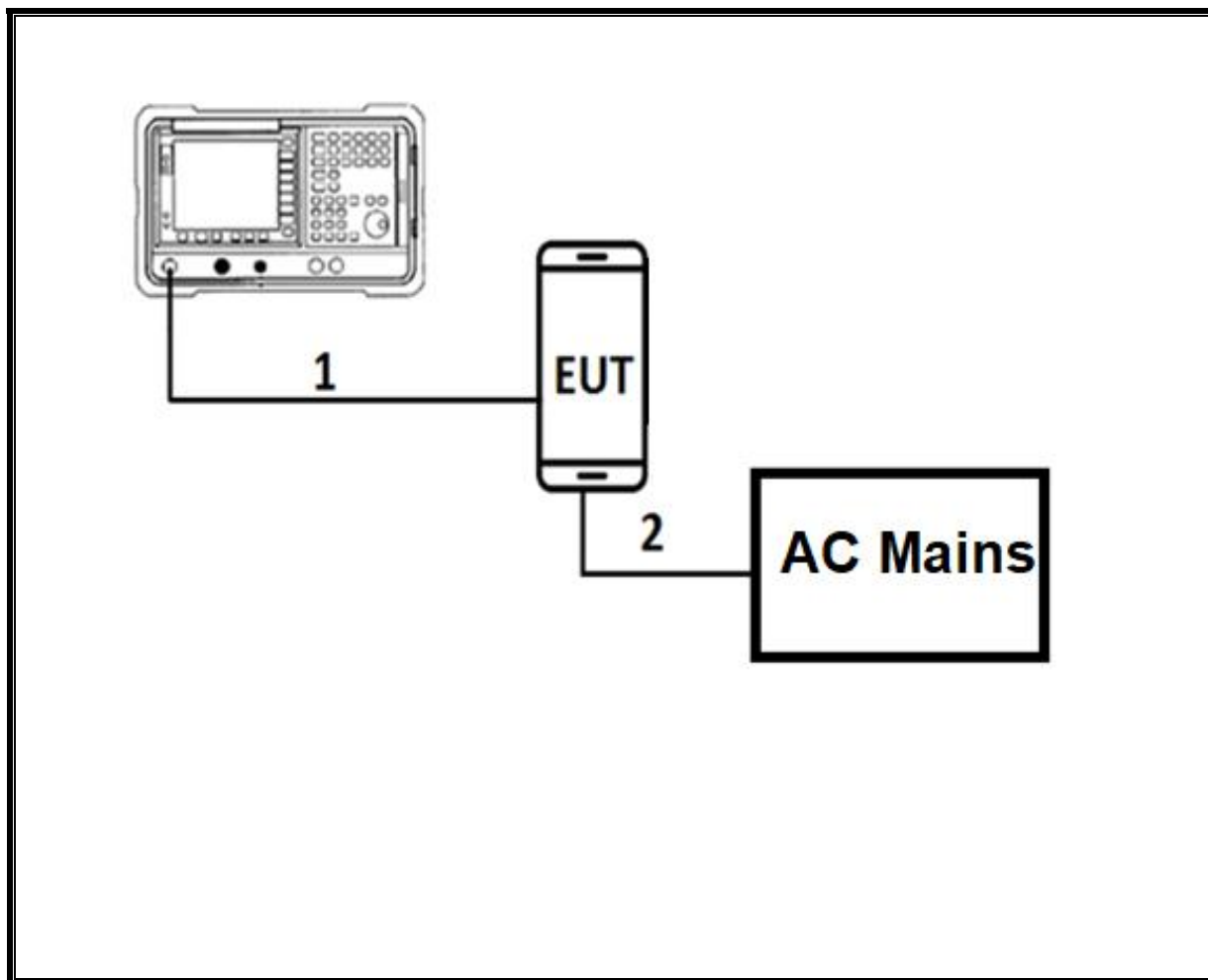
I/O CABLES (CONDUCTED TEST)

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	Antenna	1	RF	Shielded	0.2	To spectrum Analyzer
2	USB	1	USB	Un-shielded	1	EUT to AC Mains

I/O CABLES (RADIATED AND CONDUCTED EMISSIONS)

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB	1	USB	Shielded	1	N/A
2	Earphone	1	3.5mm	Un-shielded	1	N/A

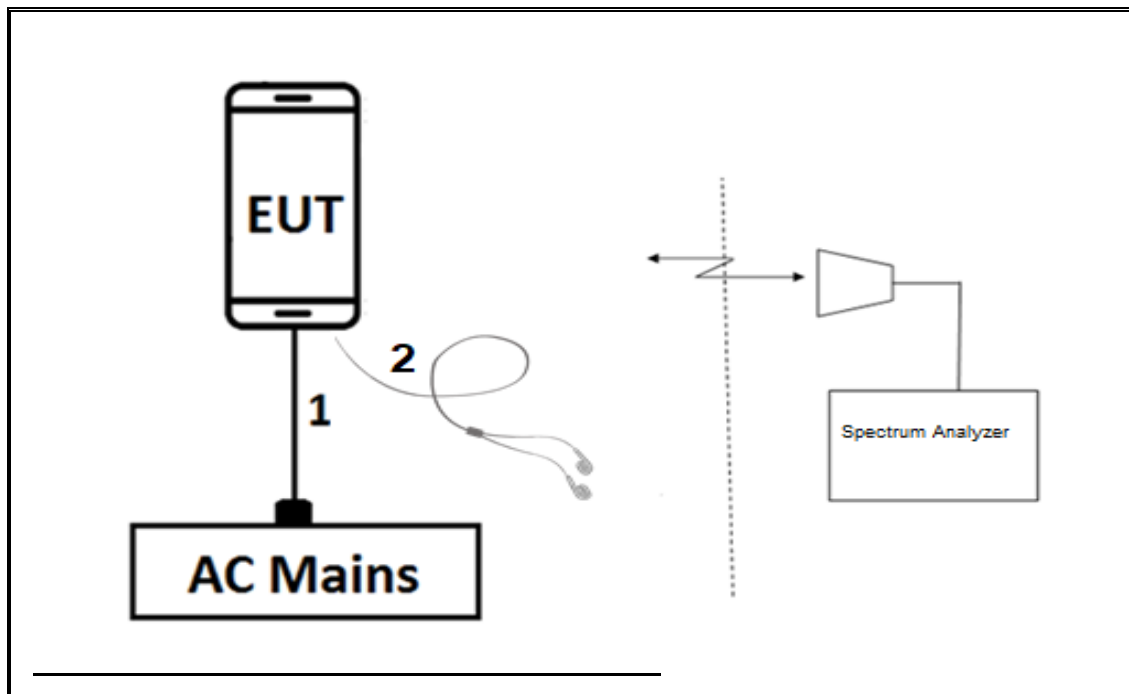
CONDUCTED TEST SETUP DIAGRAM



TEST SETUP

For conducted tests: the EUT was stand alone. The test software exercises the radio.

RADIATED AND AC LINE CONDUCTED EMISSIONS SETUP DIAGRAM



TEST SETUP

For radiated tests: EUT is connected to earphone. The test software exercises the radio.

7. MEASUREMENT METHOD

On Time and Duty Cycle: ANSI C63.10 Section -11.6.

6 dB BW: ANSI C63.10 Section -11.8.1 RBW \geq DTS BW

Occupied BW (99%): ANSI C63.10-2013 Section 6.9.3

Output Power: ANSI C63.10 Section -11.9.1.3 Method PKPM1 Peak-reading power meter

Output Power: ANSI C63.10 Section -11.9.2.3.2 Method AVGPM-G (Measurement using a gated RF average-reading power meter)

PSD: ANSI C63.10 Section -11.10.2 Method PKPSD (peak PSD)

Radiated emissions non-restricted frequency bands: ANSI C63.10 Section -11.11

Radiated emissions restricted frequency bands: ANSI C63.10 Section -11.12.1

Conducted emissions in restricted frequency bands: ANSI C63.10 Section -11.12.2

Band-edge: ANSI C63.10 Section - 6.10

AC Power Line Conducted Emissions: ANSI C63.10-2013, Section 6.2.

Radiated Spurious Emissions Below 30MHz: ANSI C63.10-2013 Section 6.4

8. 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	Asset	Cal Due
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO METRICS	EM-6871	PRE0179465	07/27/2021
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO METRICS	EM-6872	PRE0179467	07/27/2021
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	T863	08/31/2021
Amplifier, 100MHz-18GHz	APLICAL	AMP0.1G-18-47-20	PRE0197319	05/04/2021
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp	JB3	PRE0184971	02/05/2021
Amplifier, 9KHz to 1GHz, 32dB	SONOMA INSTRUMENT	310N	T300	01/23/2021
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179376	04/03/2021
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179367	02/26/2021
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179372	02/25/2021
Antenna Horn, 18 to 26GHz	ARA	SWH-28	T447	09/24/2021
High Frequency Amplifier Switch Box	Agilent Technology	8449B	PRE0183142	04/08/2021
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	T1268	01/22/2021
Power Sensor, P-series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	T413	02/26/2021
AC Line Conducted				
Description	Manufacturer	Model	ID Num	Cal Due
LISN	Fischer Custom Communications, Inc	FCC-LISN-50/250-25-2-01-480V	PRE0186446	01/21/2021
L.I.S.N	FCC INC.	FCC LISN 50/250	24	01/21/2021
EMI TEST RECEIVER	Rohde & Schwarz	ESR	T1436	02/20/2021
Transient Limiter	COM-POWER	LIT-930A	PRE0129246	01/23/2021
UL AUTOMATION SOFTWARE				
Radiated Software	UL	UL EMC	Rev 9.5, 30 Apr, 2020	
Antenna Port Software	UL	UL RF	AP2020.9.1	
AC Line Conducted Software	UL	UL EMC	Rev 9.5, 07 Jul 2020	

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

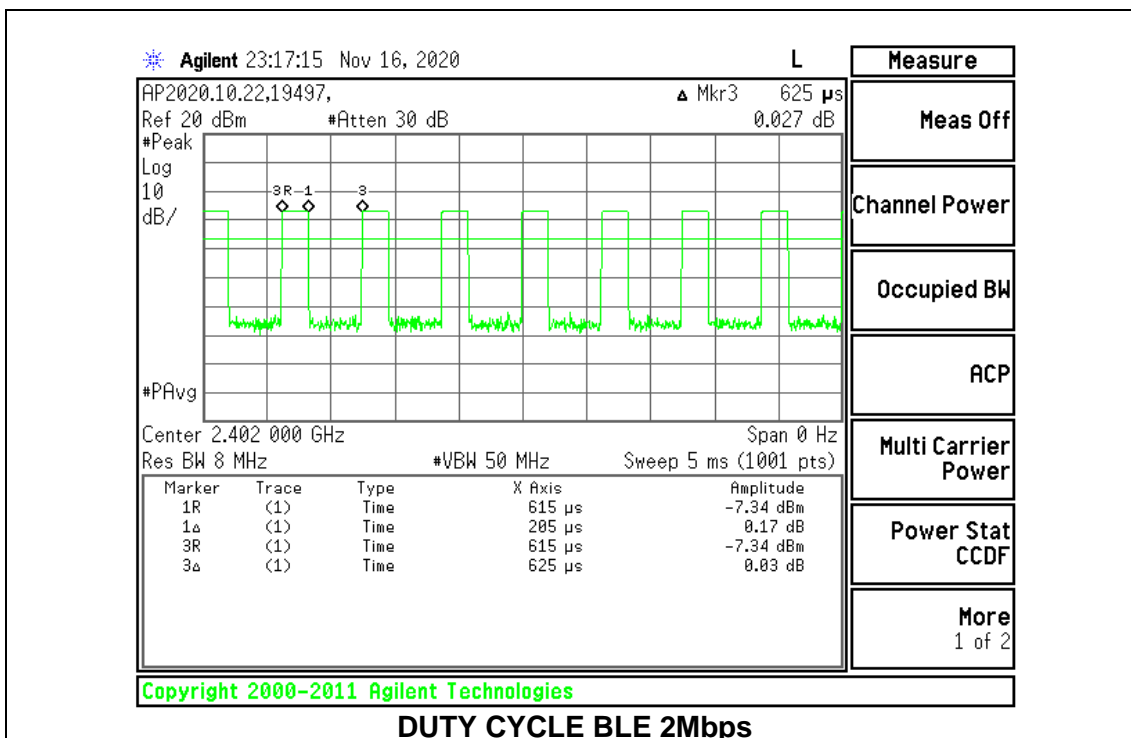
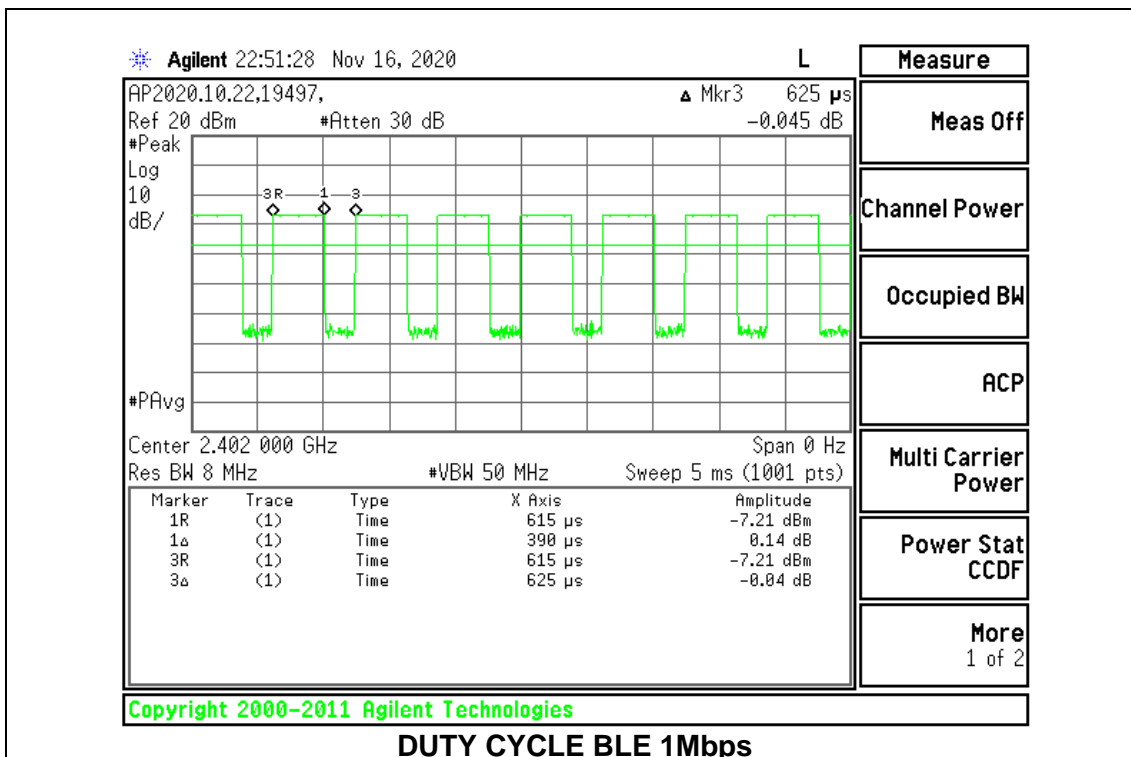
PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
2.4GHz Band						
BLE 1Mbps	0.390	0.625	0.624	62.40%	2.05	2.564
BLE 2Mbps	0.205	0.625	0.328	32.80%	4.84	4.878

DUTY CYCLE PLOTS



9.2. 99% BANDWIDTH

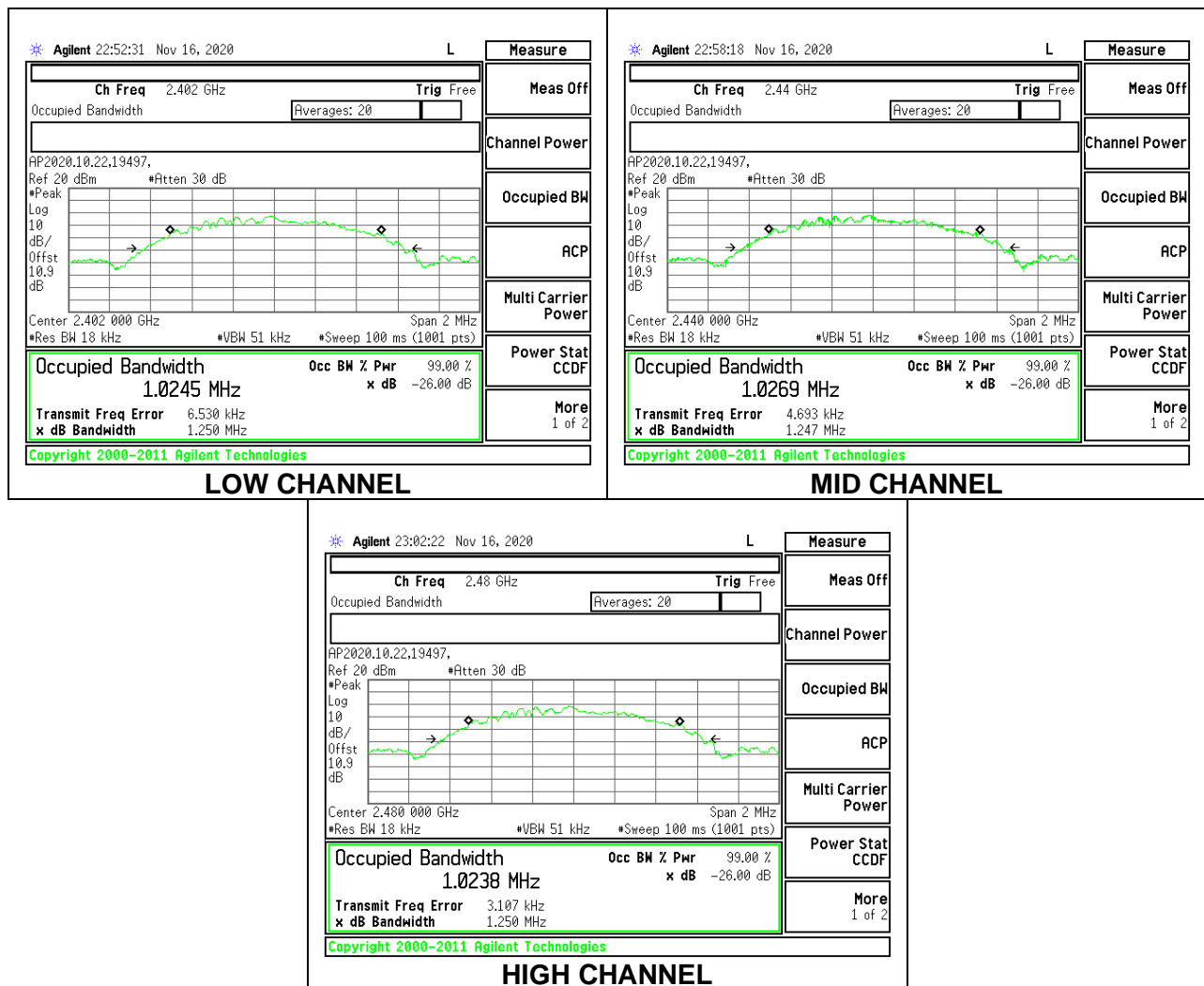
LIMITS

None; for reporting purposes only.

RESULTS

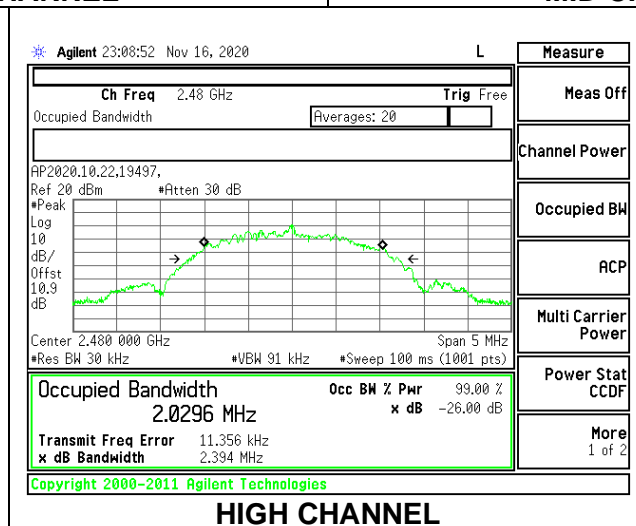
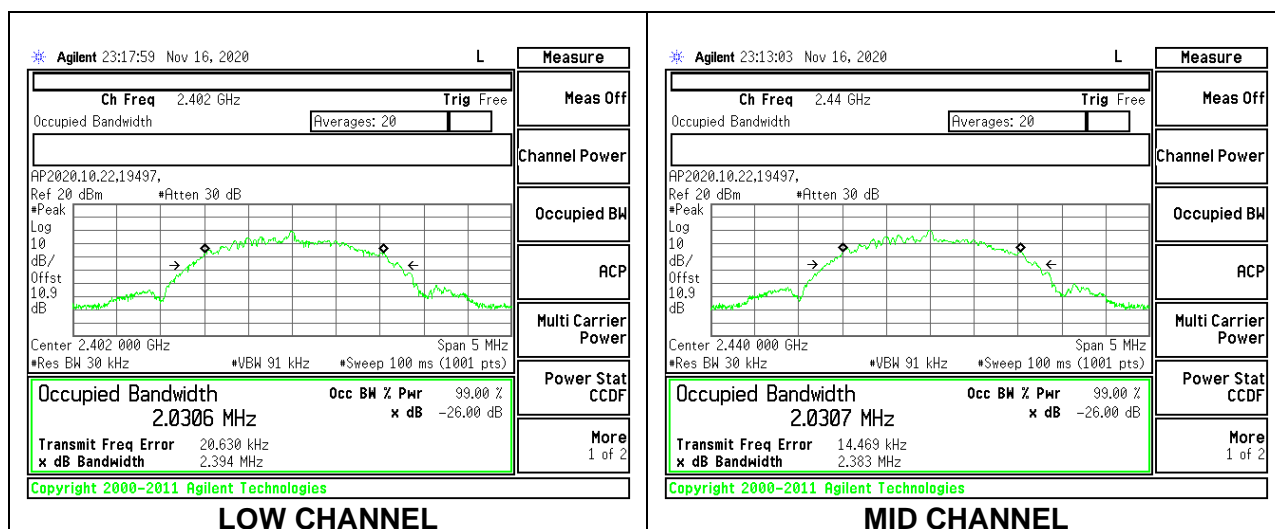
9.2.1. BLE (1Mbps)

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	2402	1.0245
Middle	2440	1.0269
High	2480	1.0238



9.2.2. BLE (2Mbps)

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	2402	2.0306
Middle	2440	2.0307
High	2480	2.0296



9.3. 6 dB BANDWIDTH

LIMITS

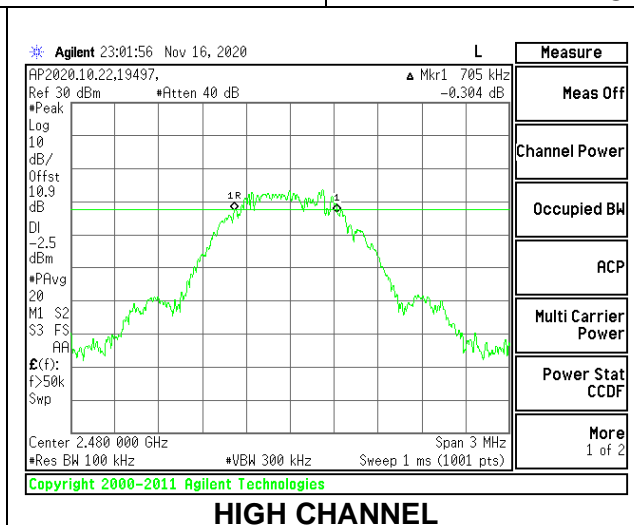
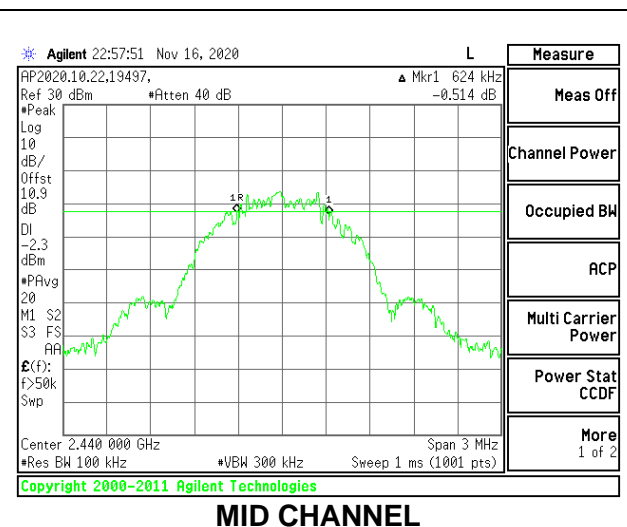
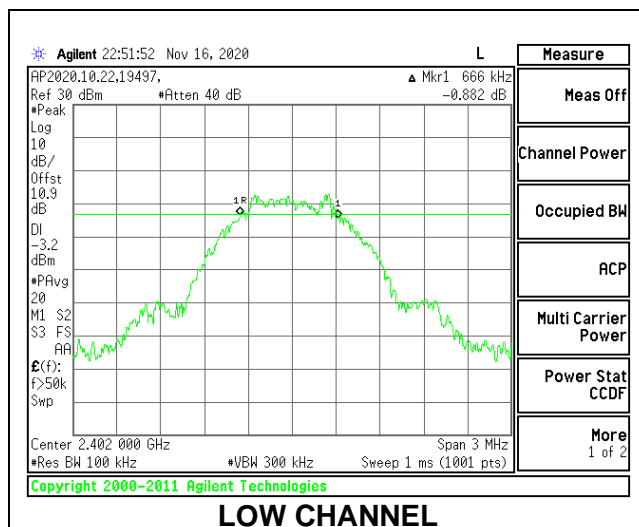
FCC §15.247 (a) (2)

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

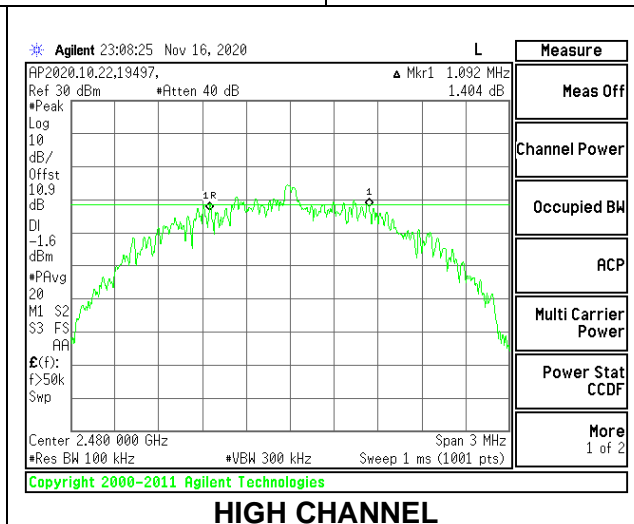
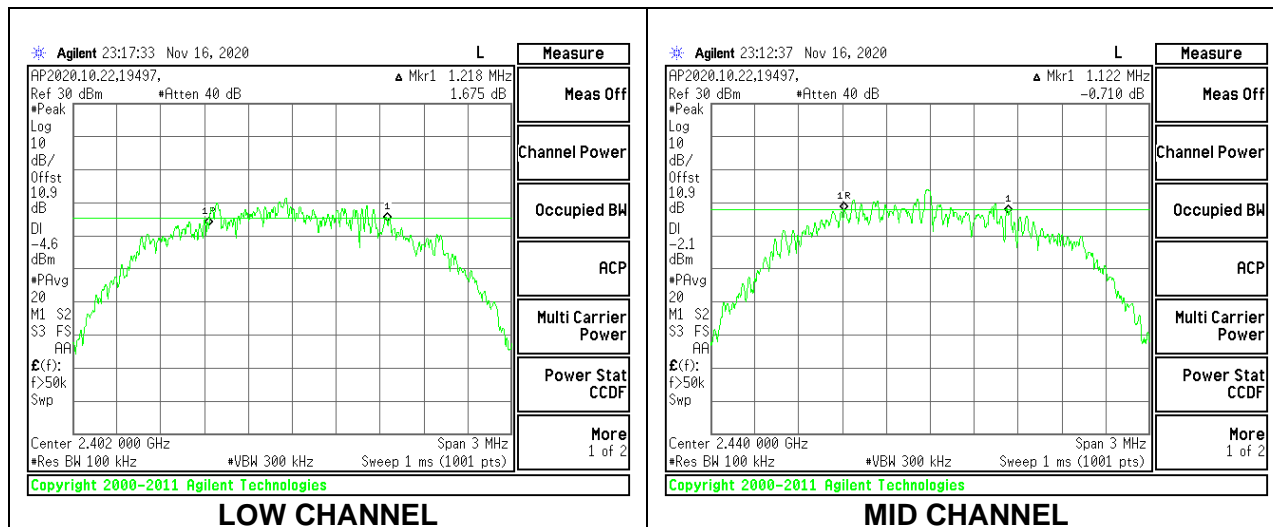
9.3.1. BLE (1Mbps)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2402	0.666	0.5
Middle	2440	0.624	0.5
High	2480	0.705	0.5



9.3.2. BLE (2Mbps)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2402	1.218	0.5
Middle	2440	1.122	0.5
High	2480	1.092	0.5



9.4. OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)

The maximum antenna gain is less than or equal to 6 dBi, therefore the limit is 30 dBm.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss was entered as an offset in the power meter to allow for a gated peak reading of power.

RESULTS

9.4.1. BLE (1Mbps)

Tested By:	19497 AF
Date:	11/16/2020

Channel	Frequency (MHz)	Peak Power Reading (dBm)	Limit (dBm)	Margin (dB)
Low	2402	5.18	30	-24.820
Middle	2440	6.05	30	-23.950
High	2480	5.64	30	-24.360

9.4.2. BLE (2Mbps)

Tested By:	19497 AF
Date:	11/16/2020

Channel	Frequency (MHz)	Peak Power Reading (dBm)	Limit (dBm)	Margin (dB)
Low	2402	5.21	30	-24.790
Middle	2440	6.22	30	-23.780
High	2480	5.92	30	-24.080

9.5. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss was entered as an offset in the power meter to allow for a gated average reading of power.

RESULTS

9.5.1. BLE (1Mbps)

Tested By:	19497 AF
Date:	11/16/2020

Channel	Frequency (MHz)	AV power (dBm)
Low	2402	4.93
Middle	2440	5.88
High	2480	5.43

9.5.2. BLE (2Mbps)

Tested By:	19497 AF
Date:	11/16/2020

Channel	Frequency (MHz)	AV power (dBm)
Low	2402	4.95
Middle	2440	5.80
High	2480	5.43

9.6. POWER SPECTRAL DENSITY

LIMITS

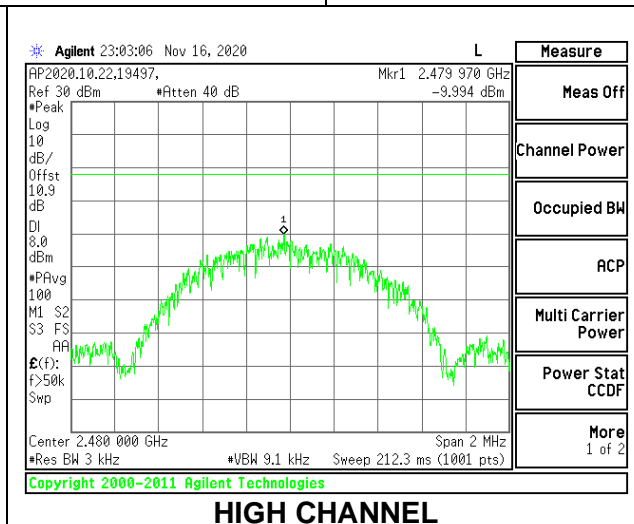
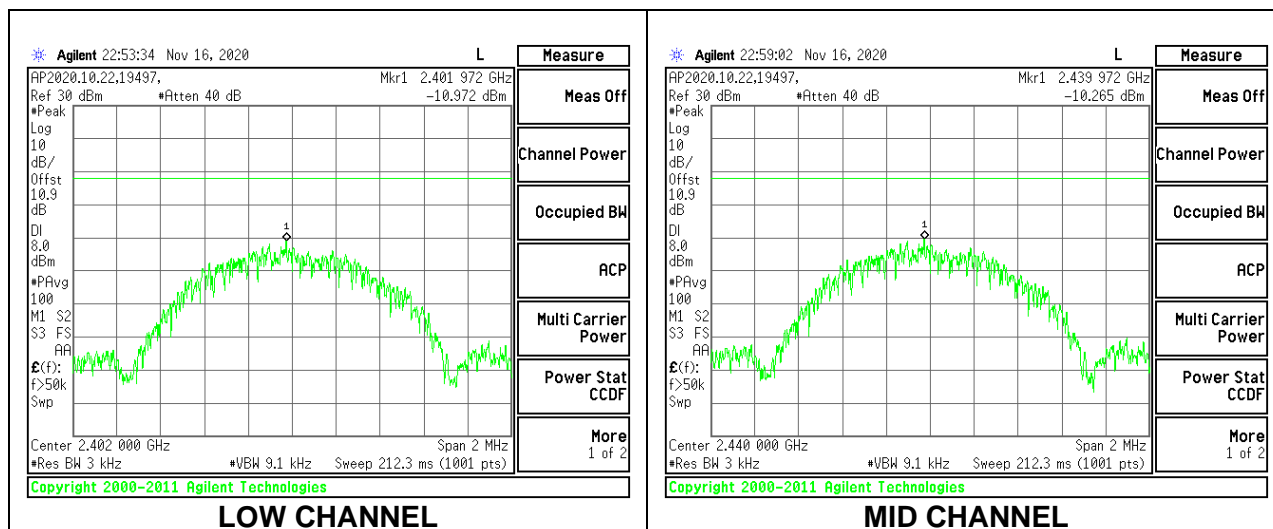
FCC §15.247 (e)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

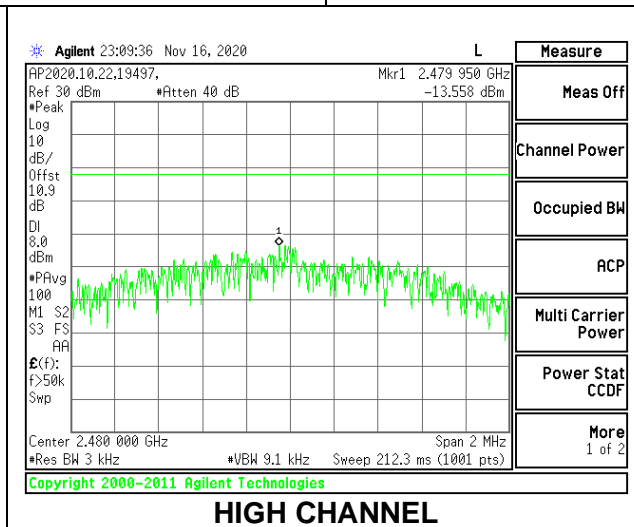
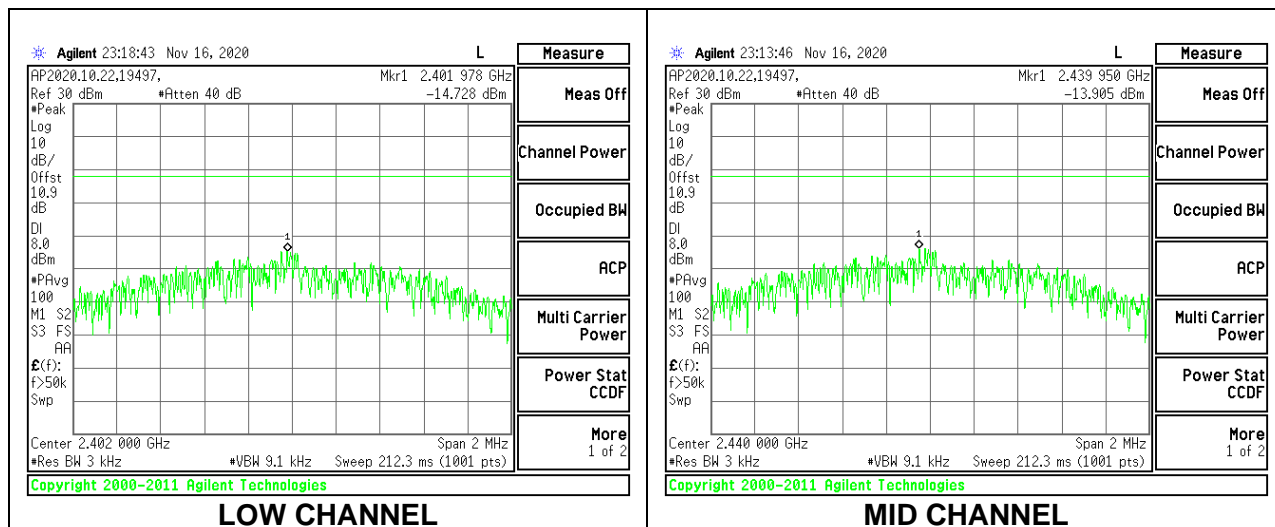
9.6.1. BLE (1Mbps)

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	-10.97	8	-18.97
Middle	2440	-10.27	8	-18.27
High	2480	-9.99	8	-17.99



9.6.2. BLE (2Mbps)

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	-14.73	8	-22.73
Middle	2440	-13.91	8	-21.91
High	2480	-13.56	8	-21.56



9.7. CONDUCTED SPURIOUS EMISSIONS

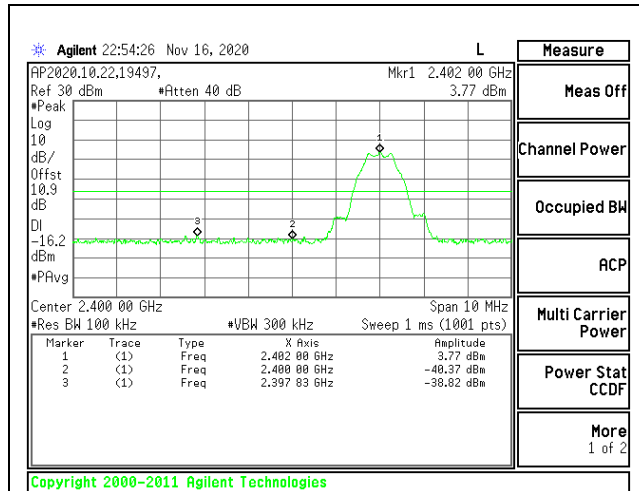
LIMITS

FCC §15.247 (d)

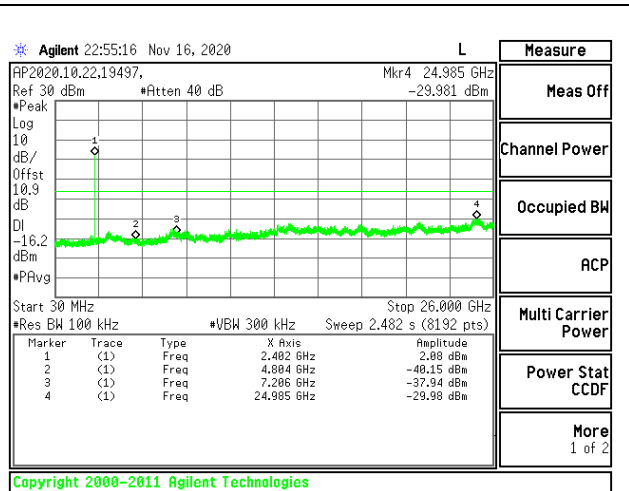
Output power was measured based on the use of a peak measurement, therefore the required attenuation is 20 dB.

RESULTS

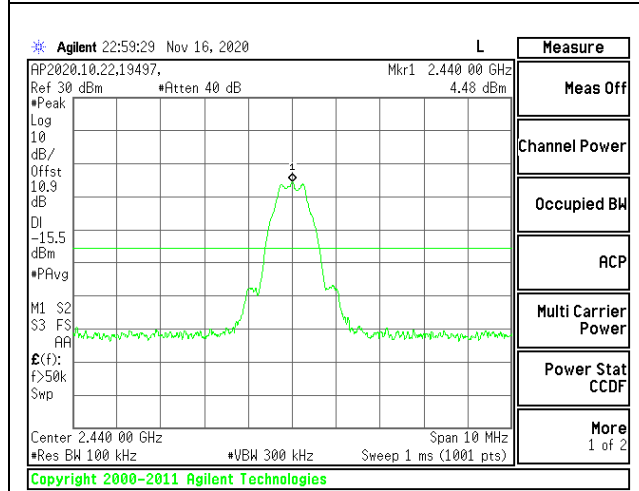
9.7.1. BLE (1Mbps)



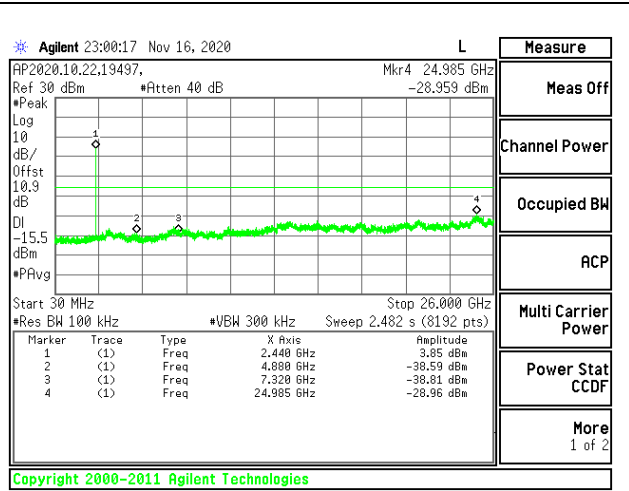
LOW CHANNEL BANDEGE



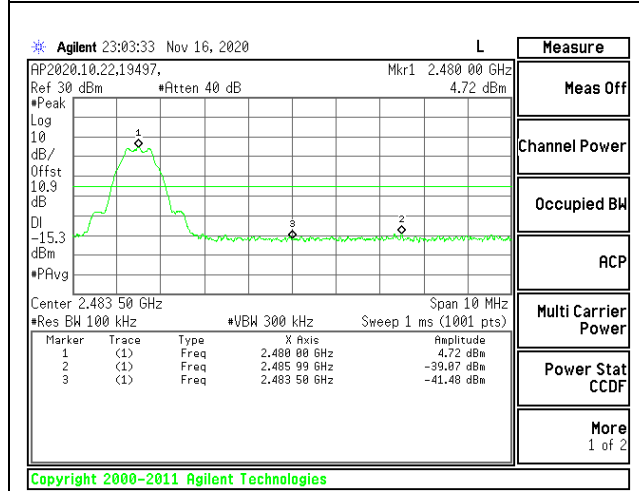
OUT-OF-BAND LOW CHANNEL



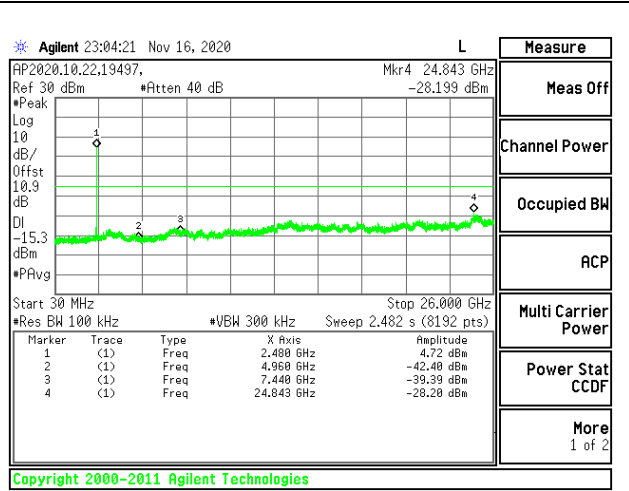
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

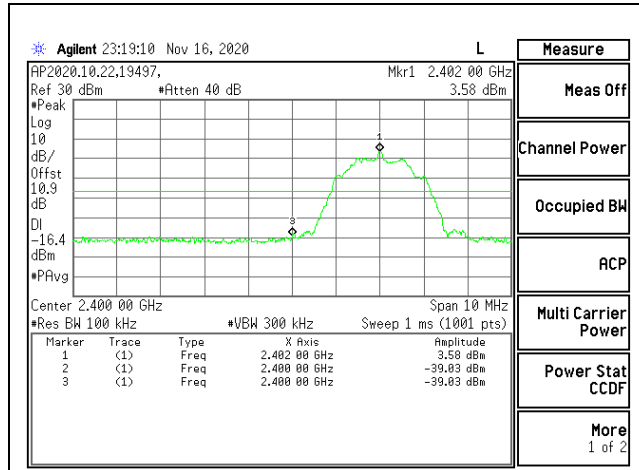


HIGH CHANNEL BANDEGE

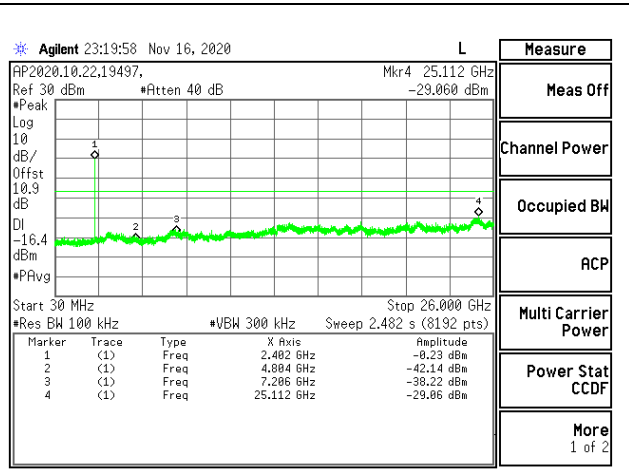


OUT-OF-BAND HIGH CHANNEL

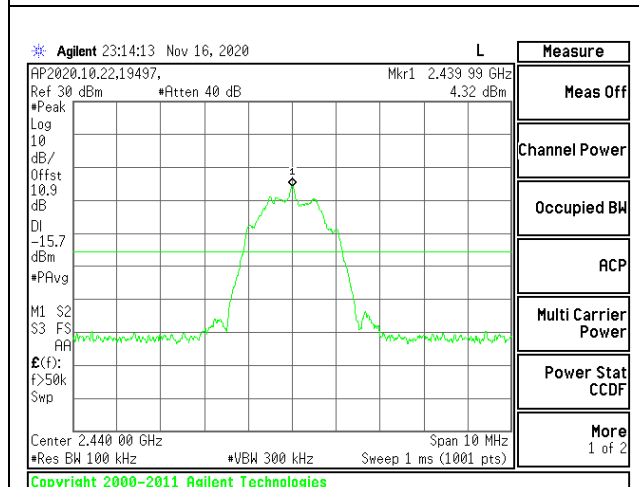
9.7.2. BLE (2Mbps)



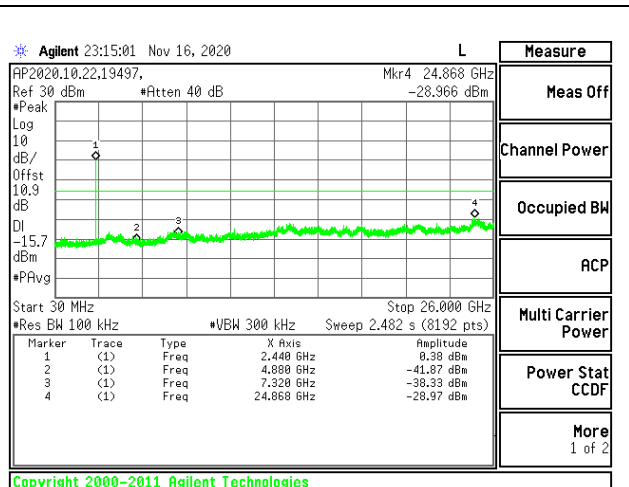
LOW CHANNEL BANDEDGE



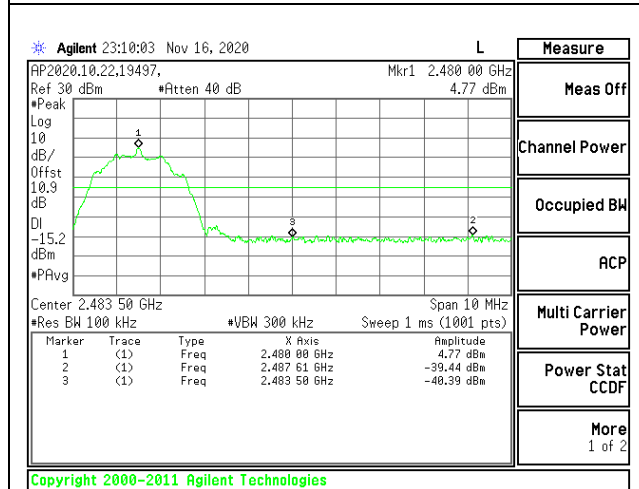
OUT-OF-BAND LOW CHANNEL



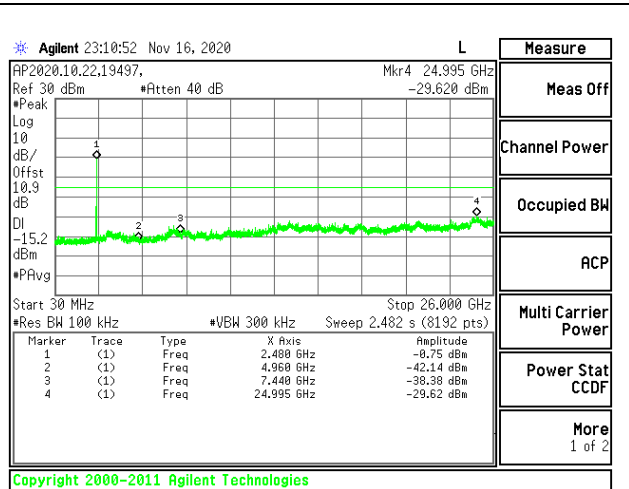
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement 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 pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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.

2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

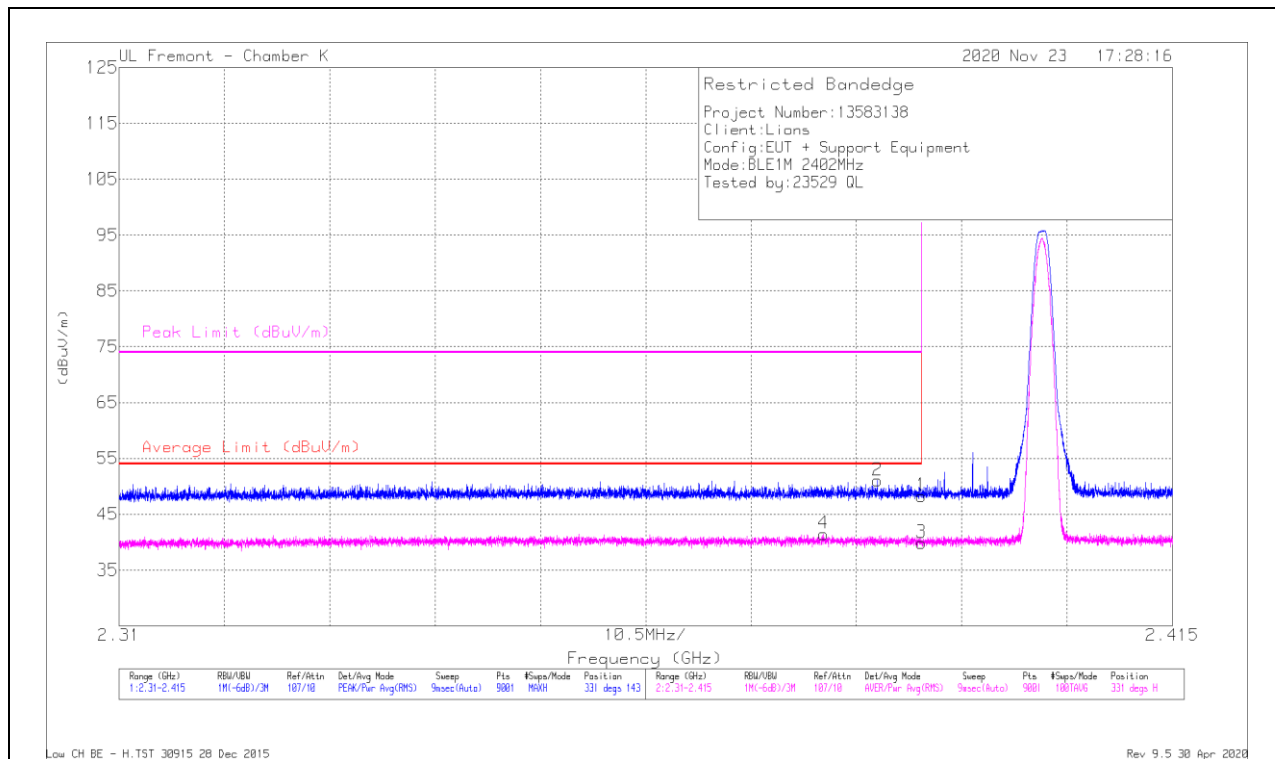
OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. BLE (1Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

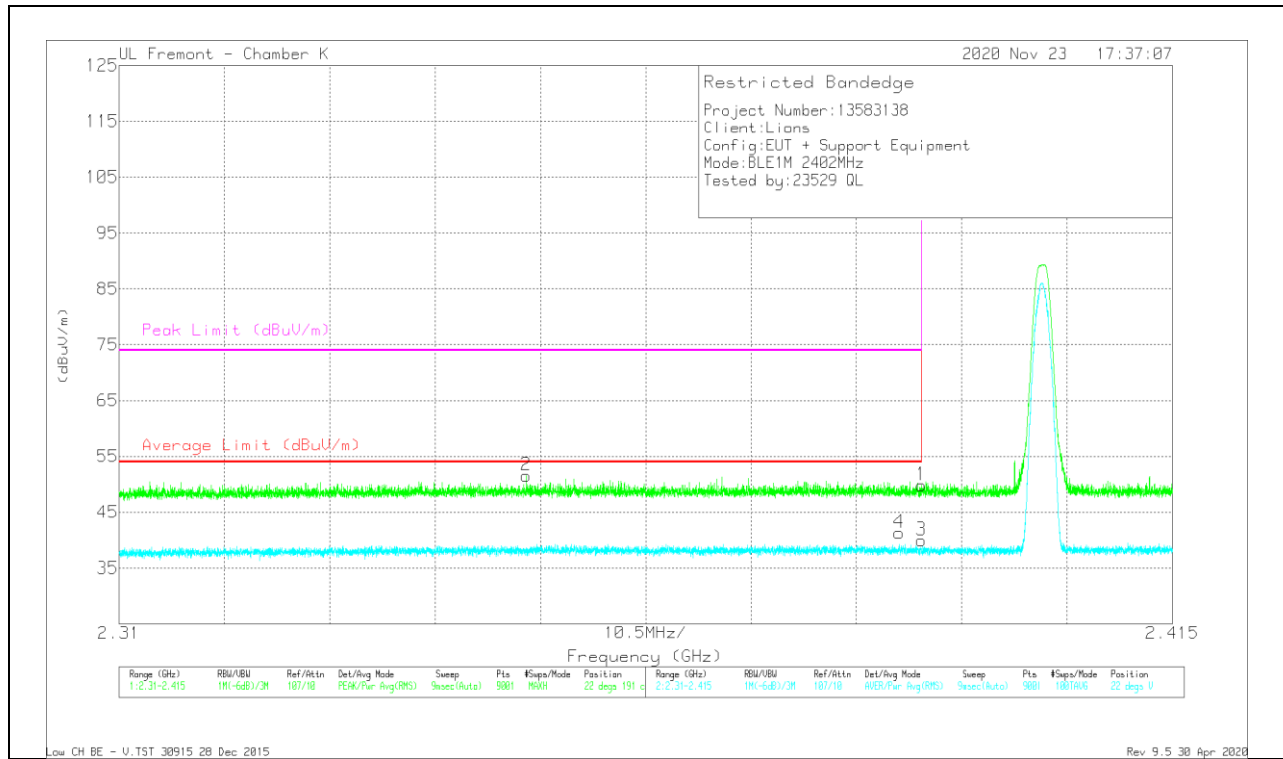
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	50.89	Pk	32.4	-35	0	48.29	-	-	74	-25.71	331	143	H
2	* 2.3856	53.63	Pk	32.4	-35	0	51.03	-	-	74	-22.97	331	143	H
3	* 2.38999	40.44	RMS	32.4	-35	2.05	39.89	54	-14.11	-	-	331	143	H
4	* 2.38024	42.13	RMS	32.4	-35.1	2.05	41.48	54	-12.52	-	-	331	143	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (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	* 2.38999	52.46	Pk	32.4	-35	0	49.86	-	-	74	-24.14	22	191	V
2	* 2.35059	54.5	Pk	32.3	-35.2	0	51.6	-	-	74	-22.4	22	191	V
3	* 2.38999	40.55	RMS	32.4	-35	2.05	40	54	-14	-	-	22	191	V
4	* 2.38776	41.9	RMS	32.4	-35	2.05	41.35	54	-12.65	-	-	22	191	V

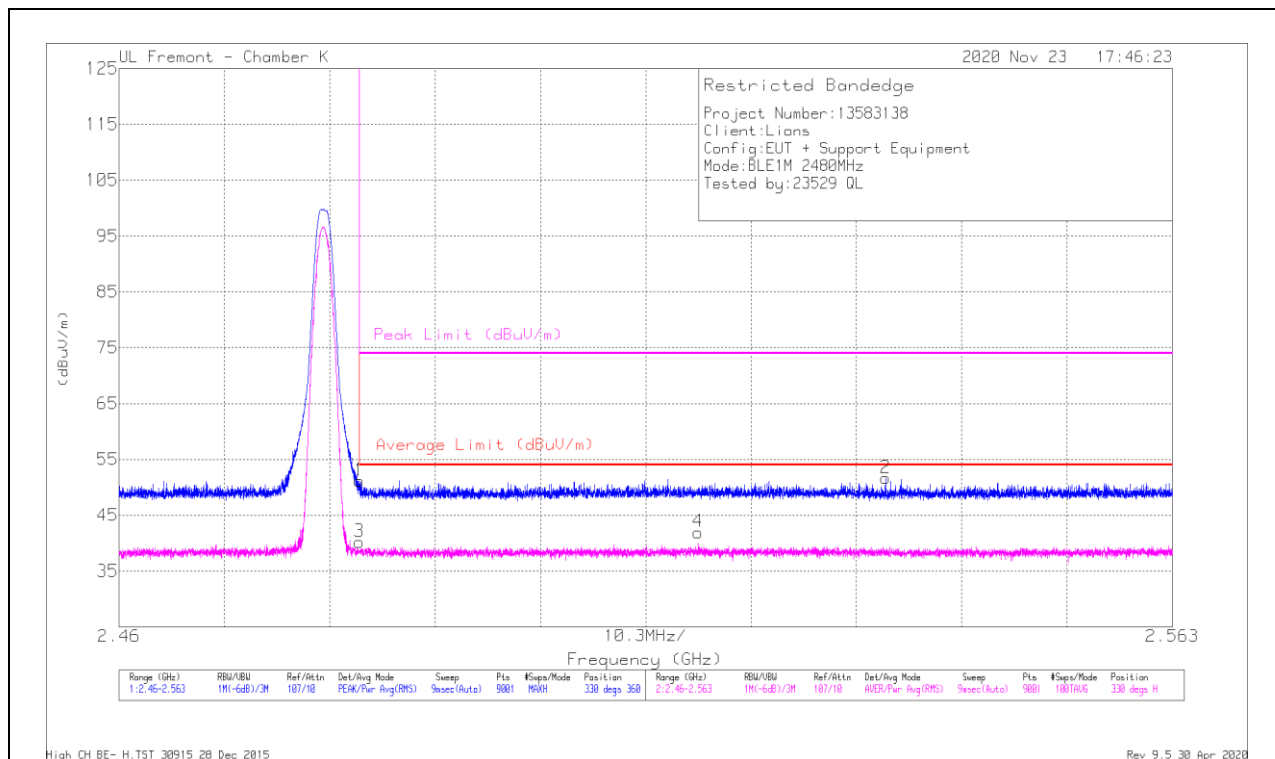
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

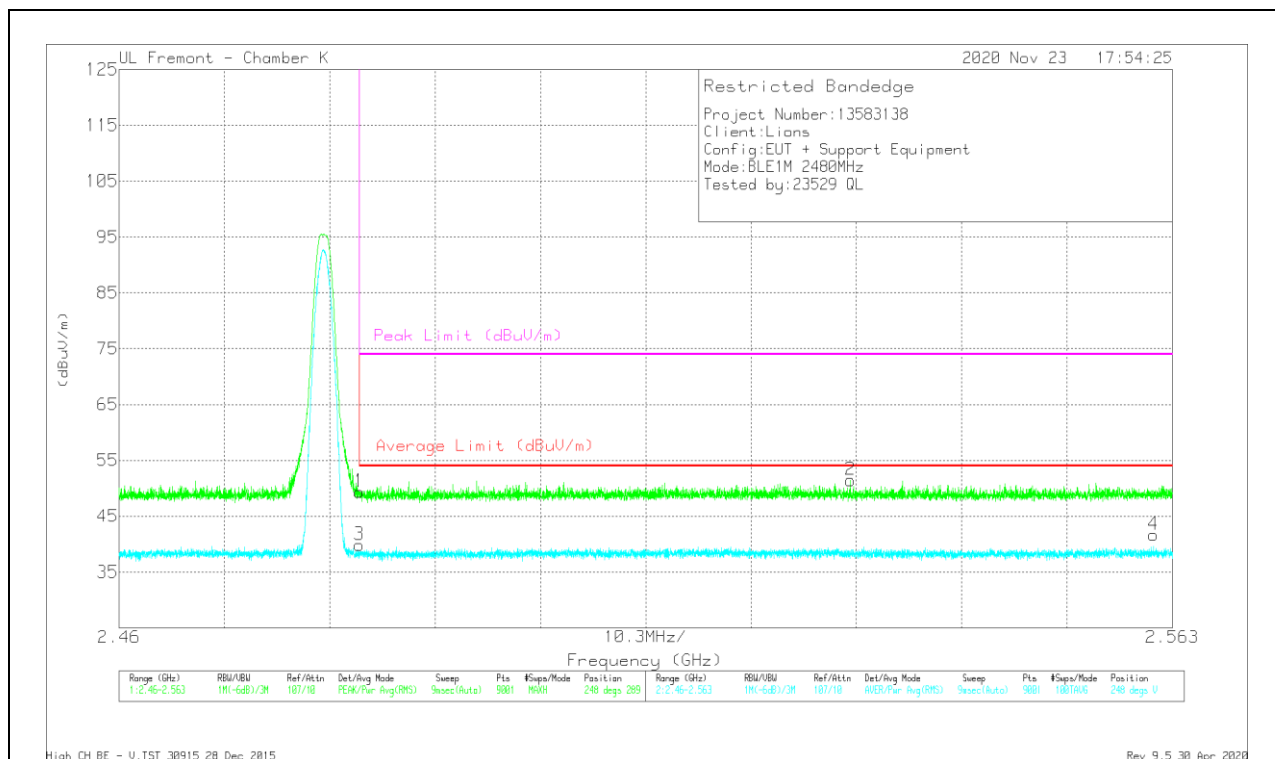
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	53.25	Pk	32.5	-34.6	0	51.15	-	-	74	-22.85	330	360	H
2	2.53494	53.43	Pk	32.7	-34.5	0	51.63	-	-	74	-22.37	330	360	H
3	* 2.48351	40.28	RMS	32.5	-34.6	2.05	40.23	54	-13.77	-	-	330	360	H
4	2.51664	41.72	RMS	32.7	-34.5	2.05	41.97	54	-12.03	-	-	330	360	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (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	* 2.48351	51.47	Pk	32.5	-34.6	0	49.37	-	-	74	-24.63	248	289	V
2	2.53154	53.28	Pk	32.7	-34.5	0	51.48	-	-	74	-22.52	248	289	V
3	* 2.48351	39.93	RMS	32.5	-34.6	2.05	39.88	54	-14.12	-	-	248	289	V
4	2.56118	41.24	RMS	32.8	-34.4	2.05	41.69	54	-12.31	-	-	248	289	V

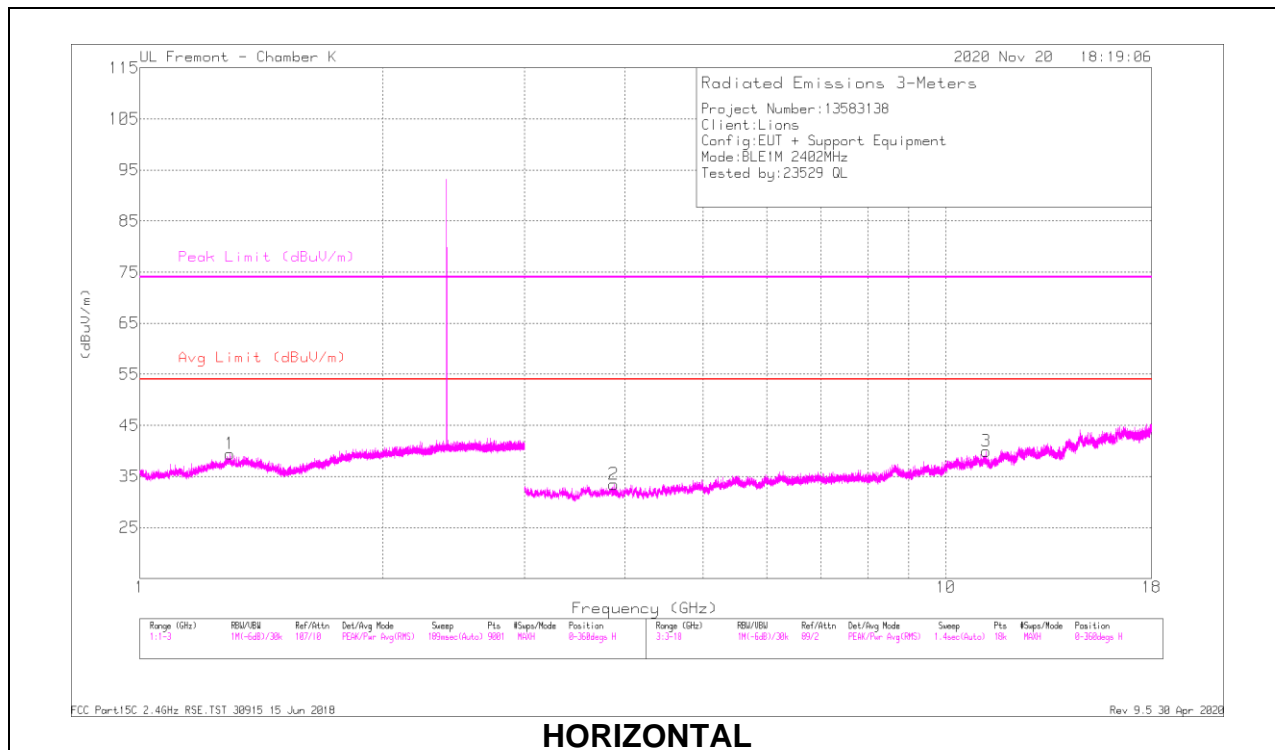
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

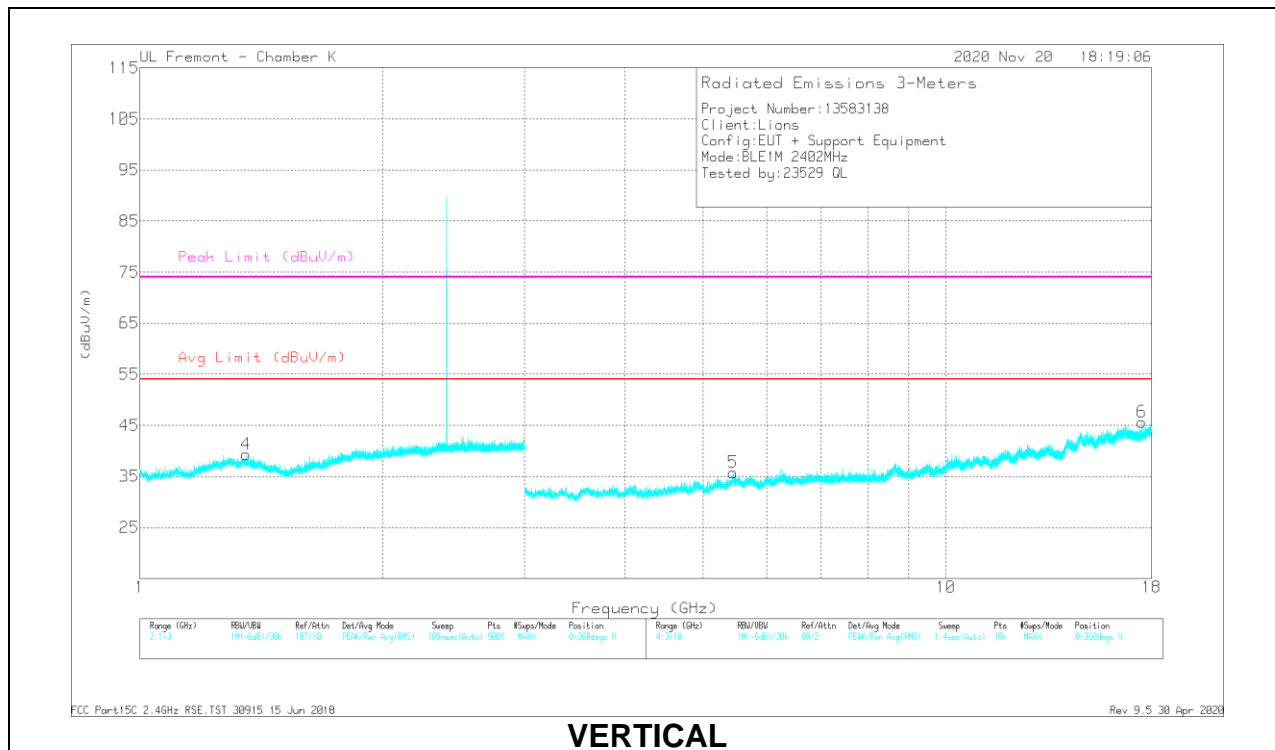
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



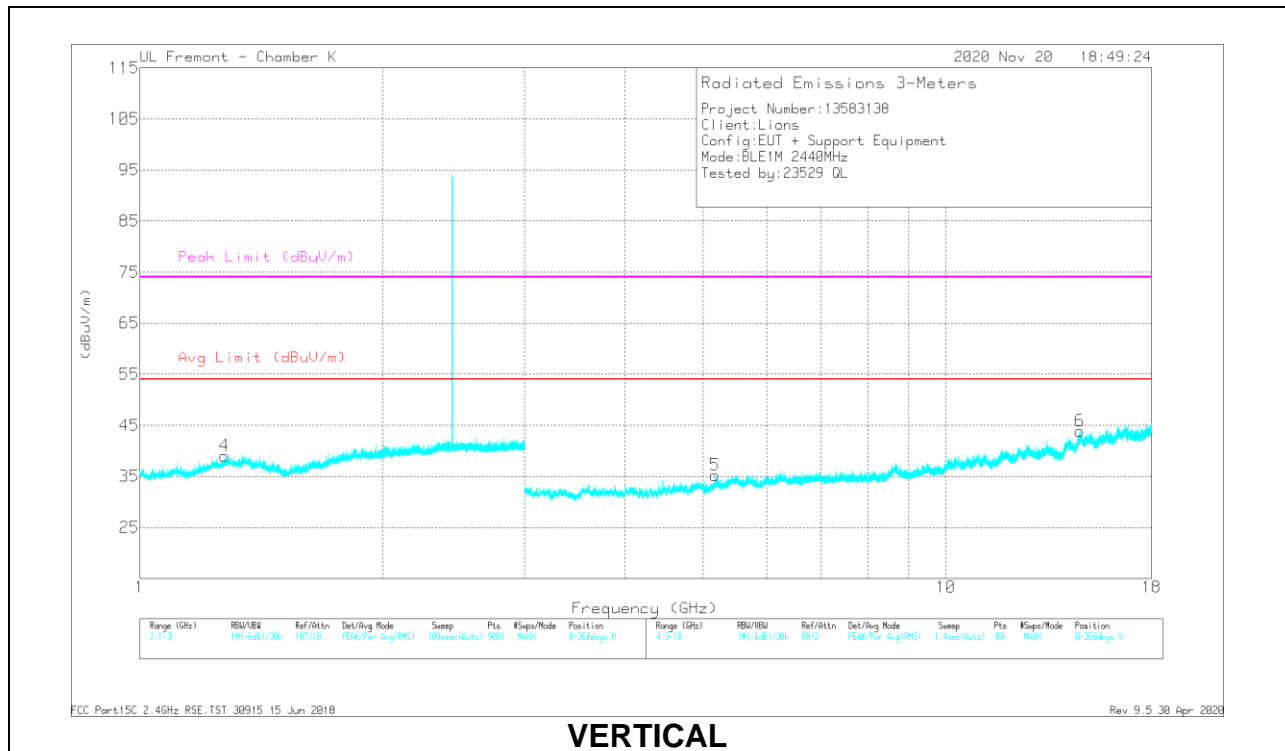
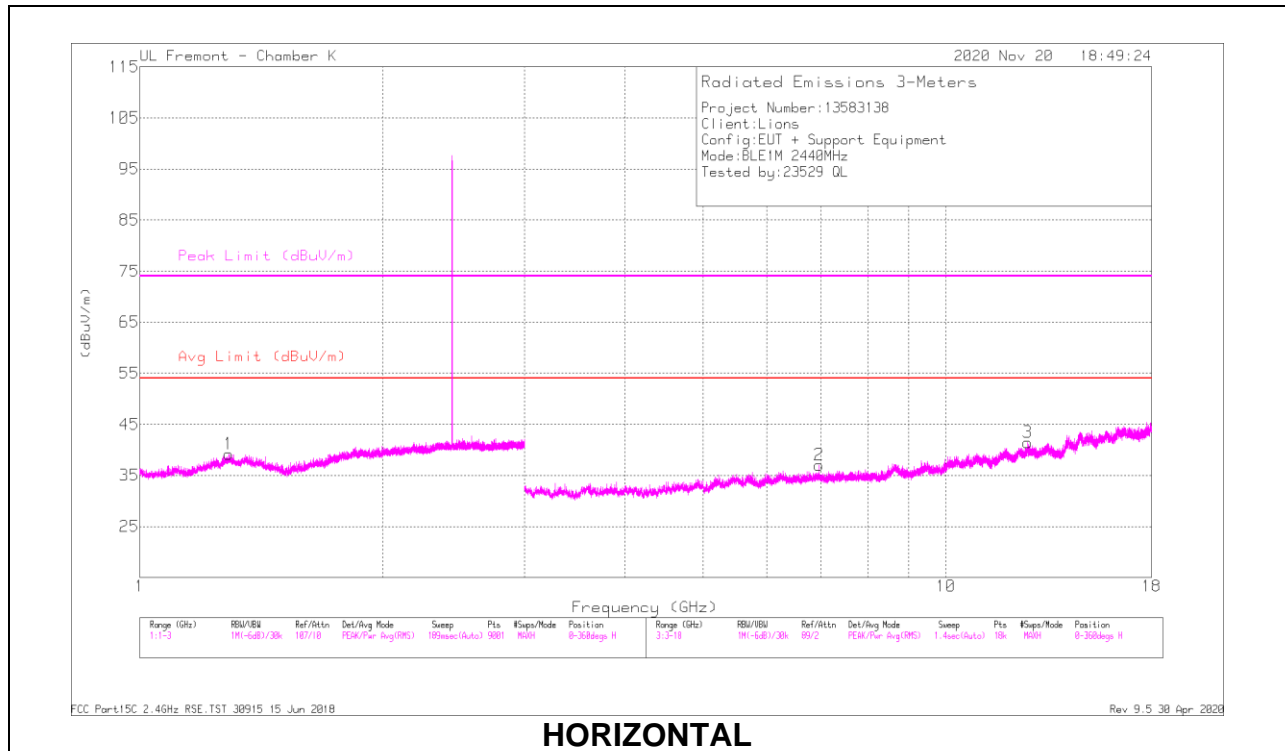
VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.29469	54.07	PK2	29.5	-36.7	0	46.87	-	-	74	-27.13	99	113	H
	1.2928	42.61	MAv1	29.5	-36.8	2.05	37.36	54	-16.64	-	-	99	113	H
4	1.35431	54.09	PK2	29.5	-36.5	0	47.09	-	-	74	-26.91	135	179	V
	1.3527	41.72	MAv1	29.5	-36.5	2.05	36.77	54	-17.23	-	-	135	179	V
2	3.87527	48.31	PK2	33.6	-41.8	0	40.11	-	-	74	-33.89	163	95	H
	3.87458	37.46	MAv1	33.6	-41.8	2.05	31.31	54	-22.69	-	-	163	95	H
3	11.22507	44.55	PK2	37.9	-35.9	0	46.55	-	-	74	-27.45	318	366	H
	11.22439	34.15	MAv1	37.9	-35.9	2.05	38.2	54	-15.8	-	-	318	366	H
5	5.4472	46.83	PK2	35.5	-40.2	0	42.13	-	-	74	-31.87	282	285	V
	5.44803	36.42	MAv1	35.5	-40.2	2.05	33.77	54	-20.23	-	-	282	285	V
6	17.5213	41.42	PK2	42.1	-31.7	0	51.82	-	-	-	-	311	221	V
	17.51801	30.28	MAv1	42.1	-31.7	2.05	42.73	-	-	-	-	311	221	V

PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS

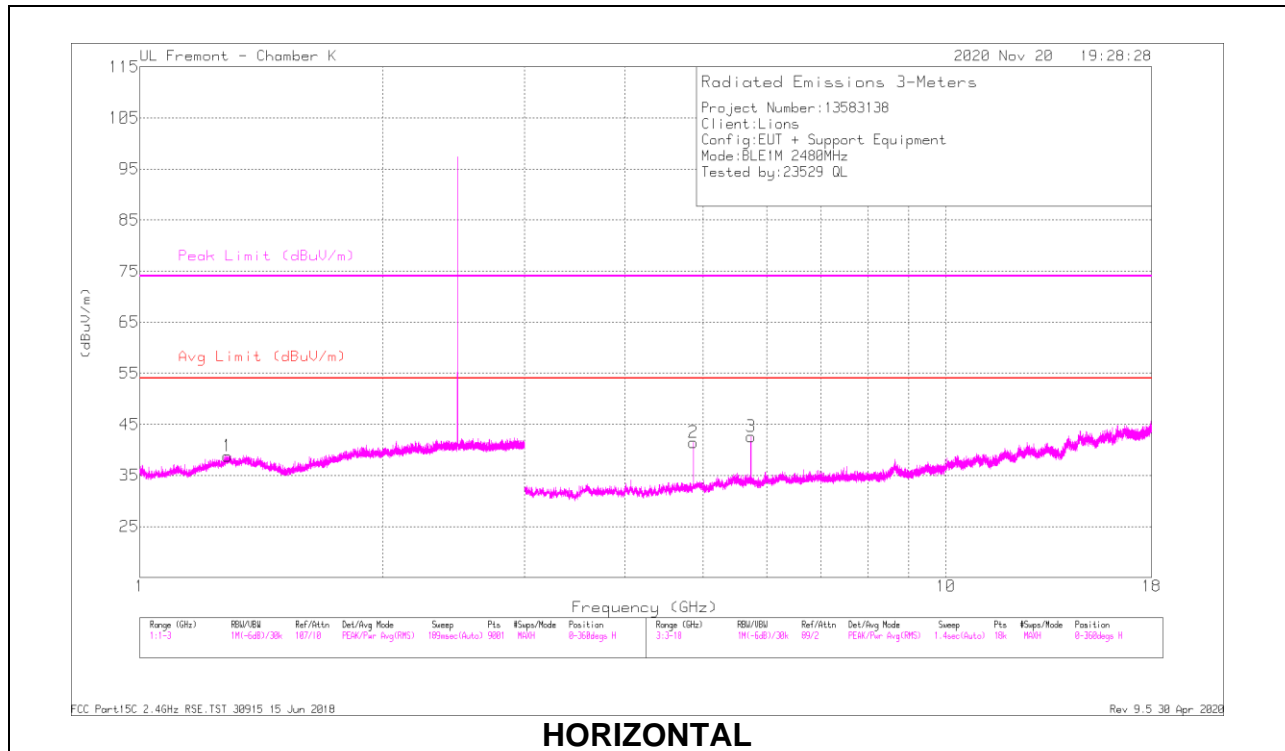


RADIATED EMISSIONS

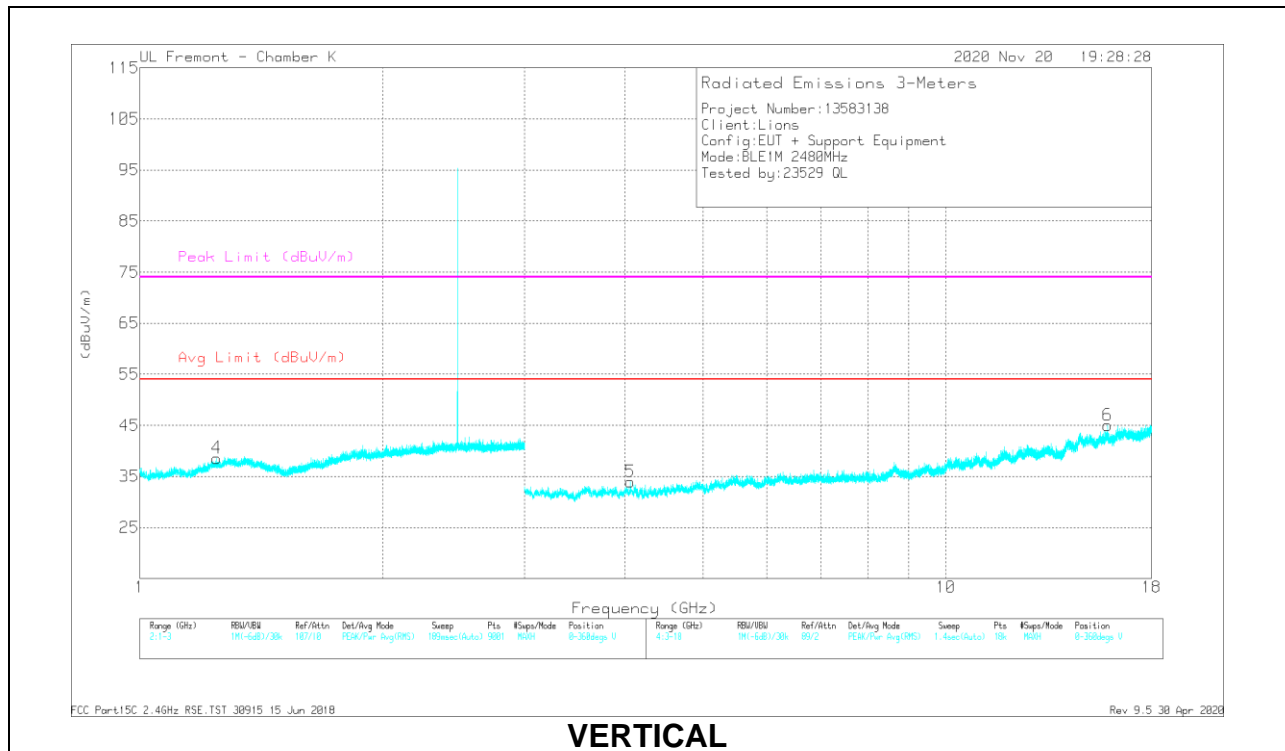
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.28974	54.38	PK2	29.5	-36.7	0	47.18	-	-	74	-26.82	172	269	H
	1.28831	42.84	MAv1	29.5	-36.8	2.05	37.59	54	-16.41	-	-	172	269	H
4	1.27261	52.95	PK2	29.4	-36.8	0	45.55	-	-	74	-28.45	190	302	V
	1.27375	42.47	MAv1	29.4	-36.8	2.05	37.12	54	-16.88	-	-	190	302	V
2	6.96052	46.37	PK2	36	-38.3	0	44.07	-	-	-	-	190	393	H
	6.95953	34.62	MAv1	36	-38.3	2.05	34.37	-	-	-	-	190	393	H
3	12.64687	42.99	PK2	39.4	-34.3	0	48.09	-	-	74	-25.91	230	282	H
	12.64554	32.29	MAv1	39.4	-34.3	2.05	39.44	54	-14.56	-	-	230	282	H
5	5.17445	48.67	PK2	34.6	-40.4	0	42.87	-	-	-	-	191	100	V
	5.17364	36.5	MAv1	34.6	-40.5	2.05	32.65	-	-	-	-	191	100	V
6	14.67618	43.11	PK2	40.6	-32.5	0	51.21	-	-	-	-	231	206	V
	14.67557	32.46	MAv1	40.6	-32.5	2.05	42.61	-	-	-	-	231	206	V

PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

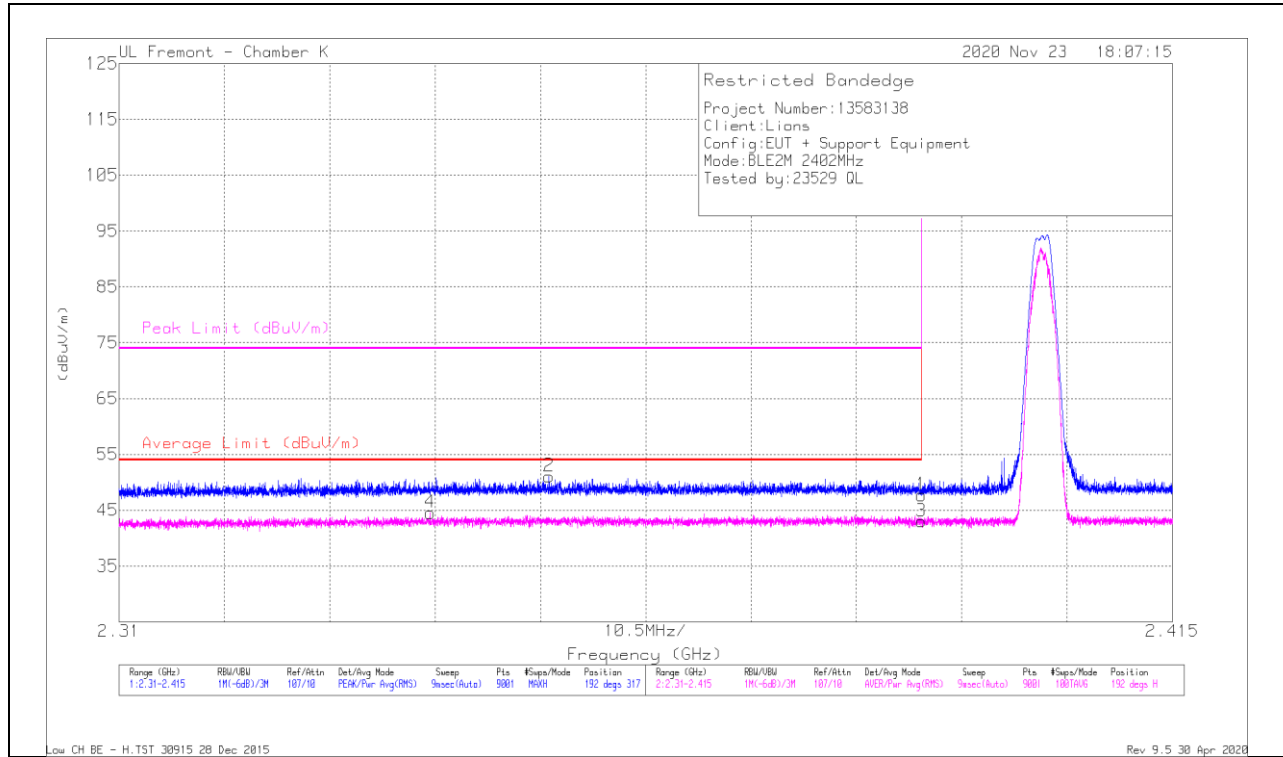
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/FI tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.28449	53.96	PK2	29.4	-36.8	0	46.56	-	-	74	-27.44	151	161	H
	1.28442	42.18	MAv1	29.4	-36.8	2.05	36.83	54	-17.17	-	-	151	161	H
	1.2483	54.12	PK2	28.9	-36.9	0	46.12	-	-	74	-27.88	326	116	V
2	1.24562	42.37	MAv1	28.8	-36.9	2.05	36.32	54	-17.68	-	-	326	116	V
	4.86426	47.81	PK2	34.4	-40.6	0	41.61	-	-	74	-32.39	169	199	H
	4.86261	35.93	MAv1	34.4	-40.6	2.05	31.78	54	-22.22	-	-	169	199	H
3	5.72894	46.66	PK2	35.1	-39.5	0	42.26	-	-	-	-	204	100	H
	5.73096	35.44	MAv1	35.1	-39.5	2.05	33.09	-	-	-	-	204	100	H
5	4.06398	49.47	PK2	33.5	-41.9	0	41.07	-	-	74	-32.93	63	307	V
	4.06348	38.03	MAv1	33.5	-41.9	2.05	31.68	54	-22.32	-	-	63	307	V
6	15.86718	43.4	PK2	40.9	-32.5	0	51.8	-	-	74	-22.2	99	100	V
	15.86733	32.24	MAv1	40.9	-32.5	2.05	42.69	54	-11.31	-	-	99	100	V

PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.2. BLE (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

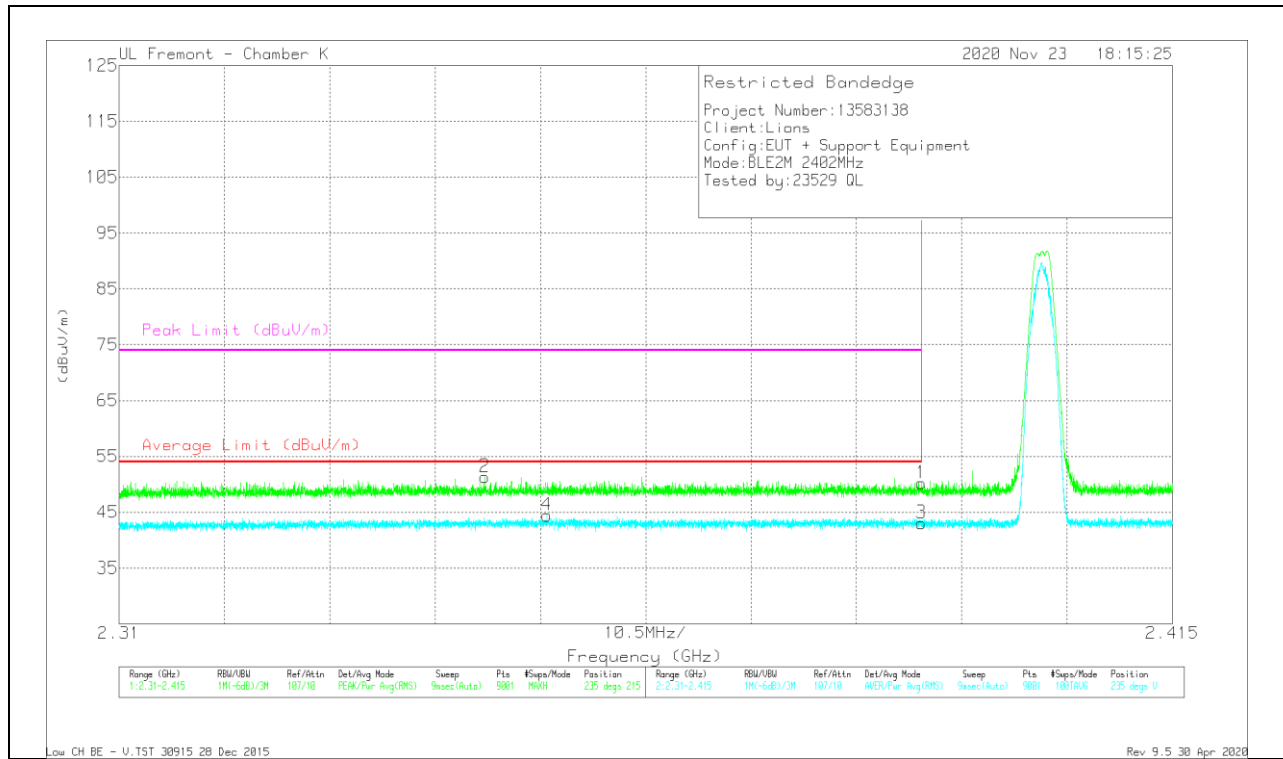
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38999	50.31	Pk	32.4	-35	0	47.71	-	-	74	-26.29	192	317	H
2	* 2.35285	53.87	Pk	32.4	-35.2	0	51.07	-	-	74	-22.93	192	317	H
3	* 2.38999	40.76	RMS	32.4	-35	4.84	43	54	-11	-	-	192	317	H
4	* 2.34102	42.71	RMS	32.2	-35.2	4.84	44.55	54	-9.45	-	-	192	317	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



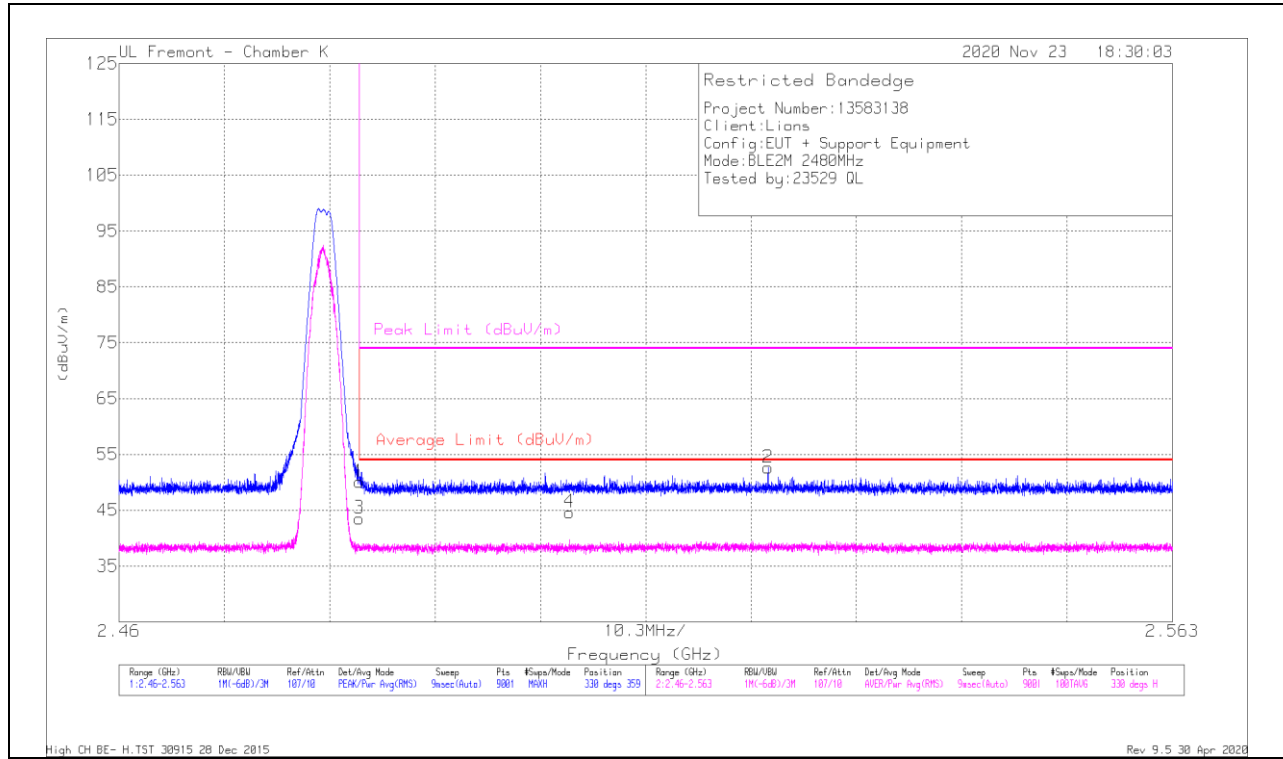
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (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	* 2.38999	52.79	Pk	32.4	-35	0	50.19	-	-	74	-23.81	235	215	V
2	* 2.34644	54.21	Pk	32.3	-35.2	0	51.31	-	-	74	-22.69	235	215	V
3	* 2.38999	40.8	RMS	32.4	-35	4.84	43.04	54	-10.96	-	-	235	215	V
4	* 2.35264	42.4	RMS	32.4	-35.2	4.84	44.44	54	-9.56	-	-	235	215	V

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

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

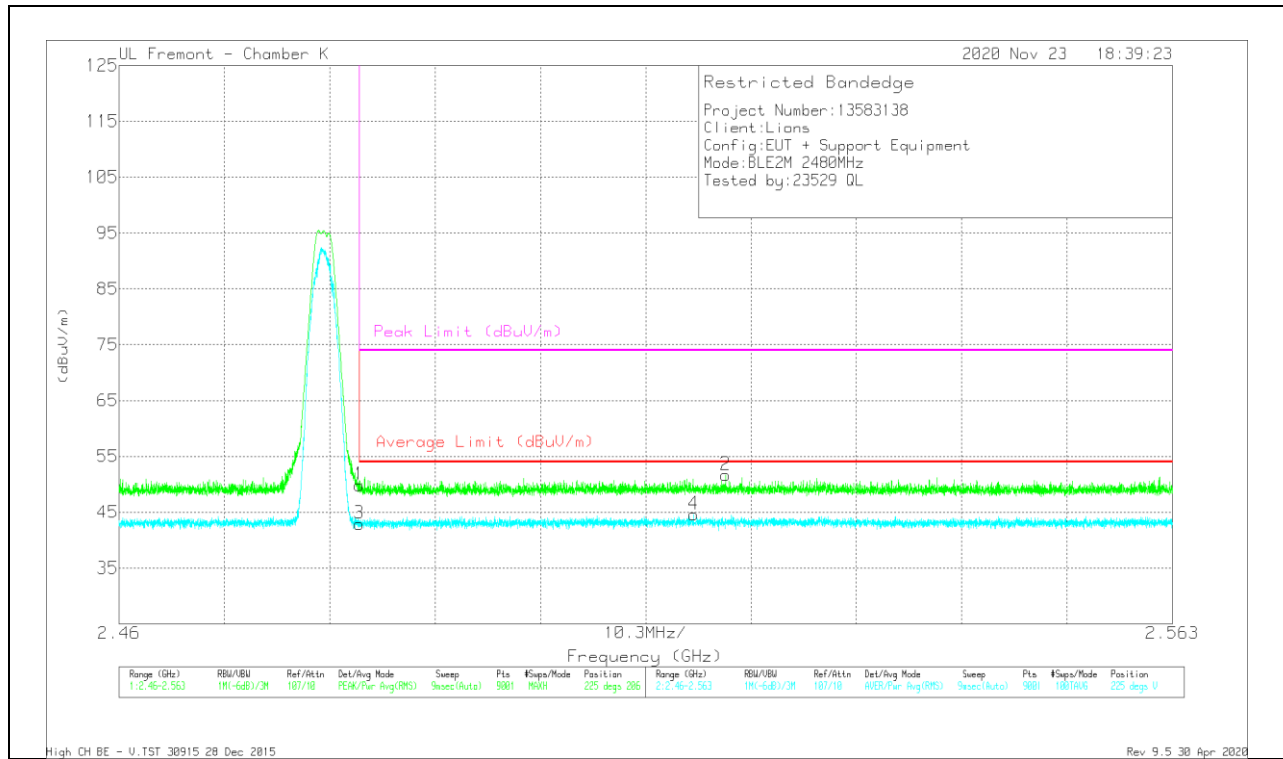
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48351	52.17	Pk	32.5	-34.6	0	50.07	-	-	74	-23.93	330	359	H
2	2.52346	54.41	PK	32.8	-34.6	0	52.61	-	-	74	-21.39	330	359	H
3	* 2.48351	40.79	RMS	32.5	-34.6	4.84	43.53	54	-10.47	-	-	330	359	H
4	2.50403	41.79	RMS	32.6	-34.6	4.84	44.63	54	-9.37	-	-	330	359	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



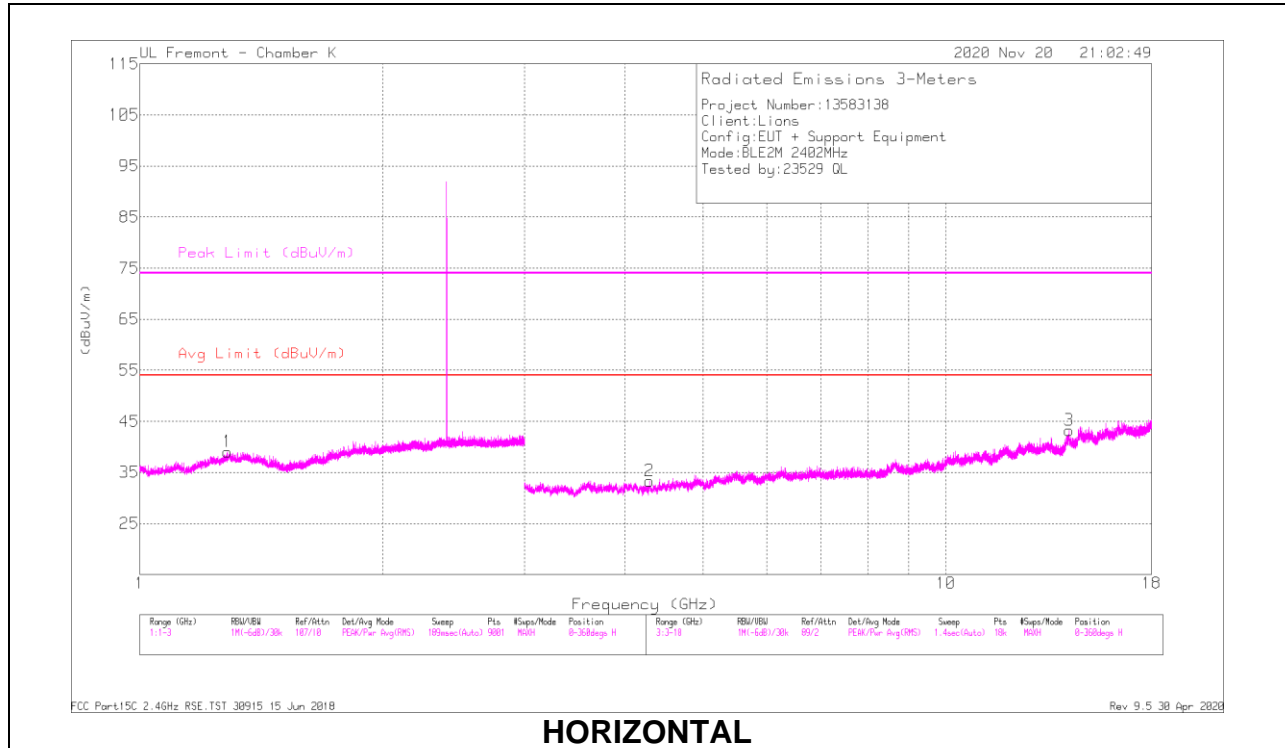
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtr/Pad (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	* 2.48351	51.99	Pk	32.5	-34.6	0	49.89	-	-	74	-24.11	225	206	V
2	2.51929	53.47	Pk	32.8	-34.6	0	51.67	-	-	74	-22.33	225	206	V
3	* 2.48351	40.2	RMS	32.5	-34.6	4.84	42.94	54	-11.06	-	-	225	206	V
4	2.51617	41.58	RMS	32.7	-34.5	4.84	44.62	54	-9.38	-	-	225	206	V

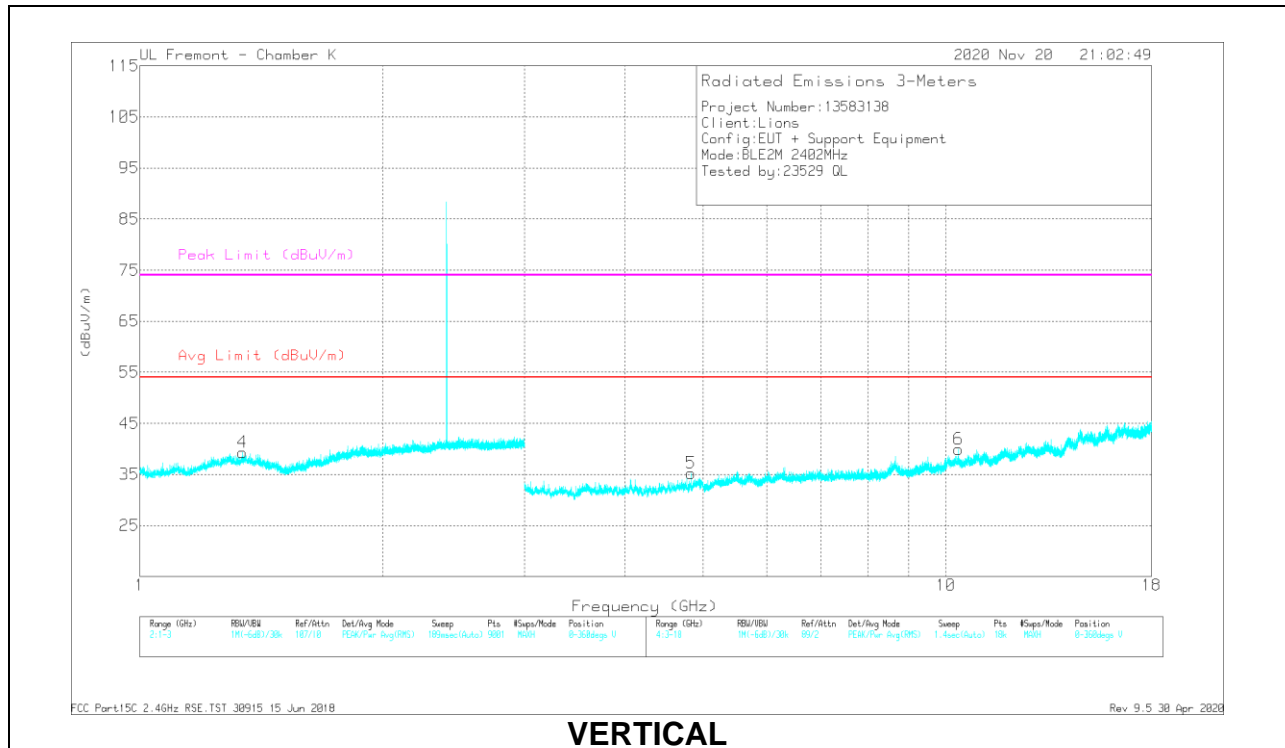
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



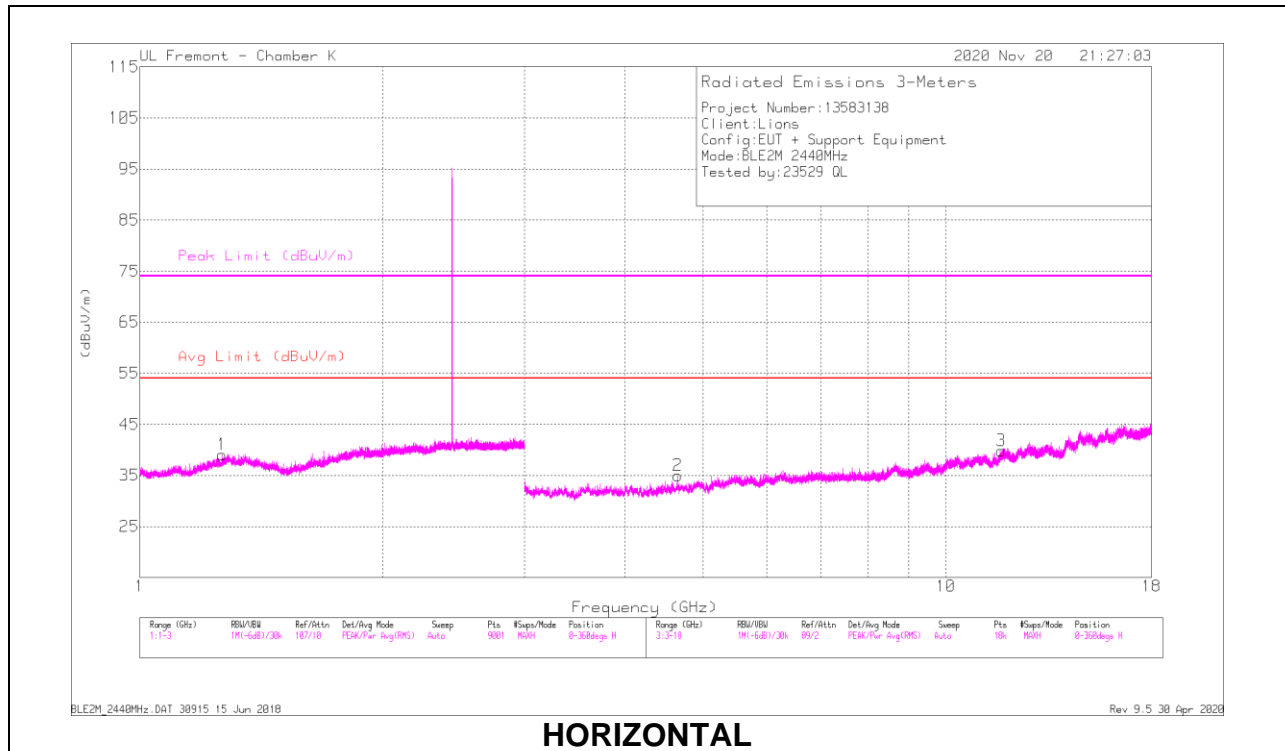
VERTICAL

RADIATED EMISSIONS

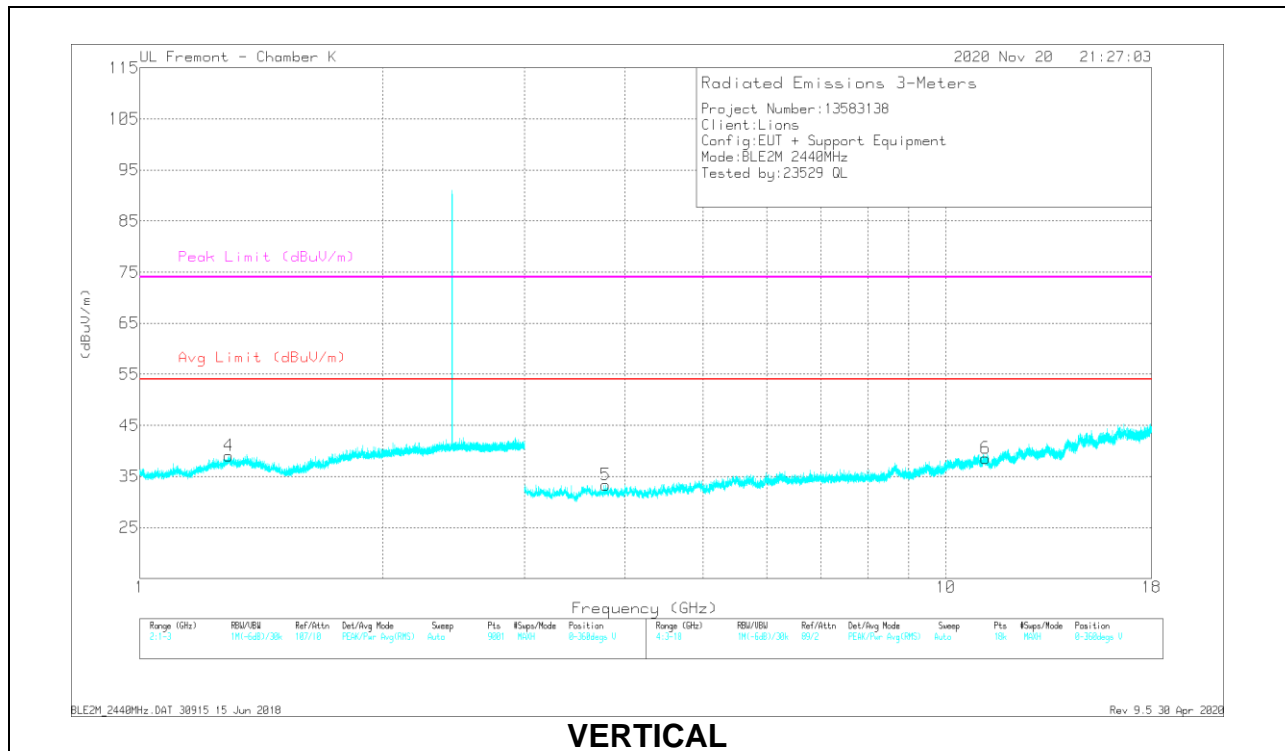
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fltr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.28448	54.01	PK2	29.4	-36.8	0	46.61	-	-	74	-27.39	166	241	H
* 1.28585	43	MAv1	29.4	-36.7	4.84	40.54	54	-13.46	-	-	166	241	H
* 1.34378	53.22	PK2	29.3	-36.6	0	45.82	-	-	74	-28.08	298	178	V
* 1.34144	41.77	MAv1	29.3	-36.6	4.84	39.31	54	-14.69	-	-	298	178	V
* 4.28989	49.04	PK2	33.6	-41.8	0	40.84	-	-	74	-33.16	70	227	H
* 4.28805	37.99	MAv1	33.6	-41.8	4.84	34.63	54	-19.37	-	-	70	227	H
14.21336	44.32	PK2	39.6	-34	0	49.92	-	-	-	-	202	191	H
14.21421	33.19	MAv1	39.6	-34	4.84	43.63	-	-	-	-	202	191	H
* 4.8273	46.57	PK2	34.4	-40.6	0	40.37	-	-	74	-33.63	321	308	V
* 4.82769	36.35	MAv1	34.4	-40.6	4.84	34.99	54	-19.01	-	-	321	308	V
10.36522	44.85	PK2	37.6	-36.3	0	46.15	-	-	-	-	197	114	V
10.36219	33.81	MAv1	37.6	-36.4	4.84	39.85	-	-	-	-	197	114	V

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

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

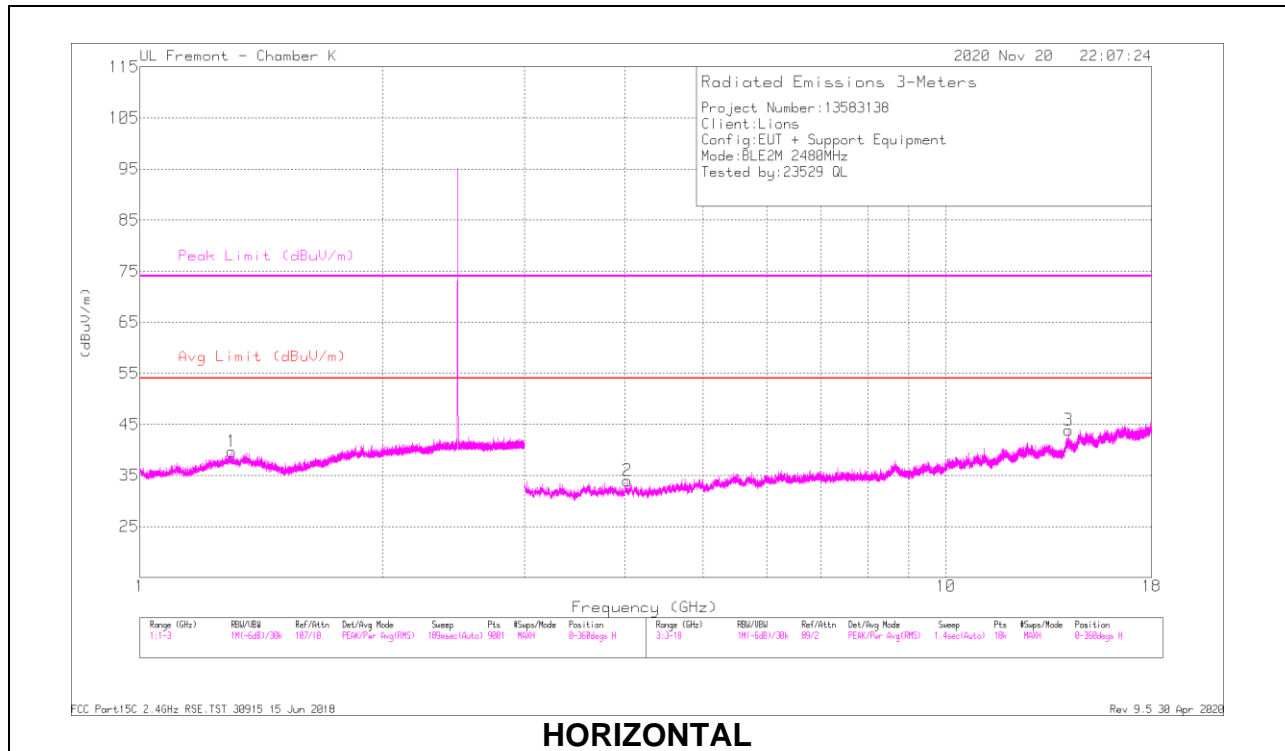
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.26334	53.45	PK2	29.1	-36.9	0	45.65	-	-	74	-28.35	104	121	H
* 1.26701	42.11	MAv1	29.2	-36.9	4.84	39.25	54	-14.75	-	-	104	121	H
* 1.28796	53.45	PK2	29.4	-36.8	0	46.05	-	-	74	-27.95	226	210	V
* 1.29015	42.72	MAv1	29.5	-36.7	4.84	40.36	54	-13.64	-	-	226	210	V
* 4.64921	48.54	PK2	34.4	-41.5	0	41.44	-	-	74	-32.56	209	320	H
* 4.64845	37.65	MAv1	34.4	-41.5	4.84	35.39	54	-18.61	-	-	209	320	H
* 11.71165	43.54	PK2	38.5	-35.4	0	46.64	-	-	74	-27.36	325	126	H
* 11.71015	33.01	MAv1	38.5	-35.4	4.84	40.95	54	-13.05	-	-	325	126	H
* 11.70889	43.71	PK2	38.5	-35.4	0	46.81	-	-	74	-27.19	152	234	H
* 11.71034	33.24	MAv1	38.5	-35.4	4.84	41.18	54	-12.82	-	-	152	234	H
* 3.78312	48.79	PK2	33.6	-41.9	0	40.49	-	-	74	-33.51	202	185	V
* 3.78345	38	MAv1	33.6	-41.9	4.84	34.54	54	-19.46	-	-	202	185	V
* 11.20643	45.04	PK2	37.9	-36	0	46.94	-	-	74	-27.06	56	331	V
* 11.2087	33.51	MAv1	37.9	-35.9	4.84	40.35	54	-13.65	-	-	56	331	V

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

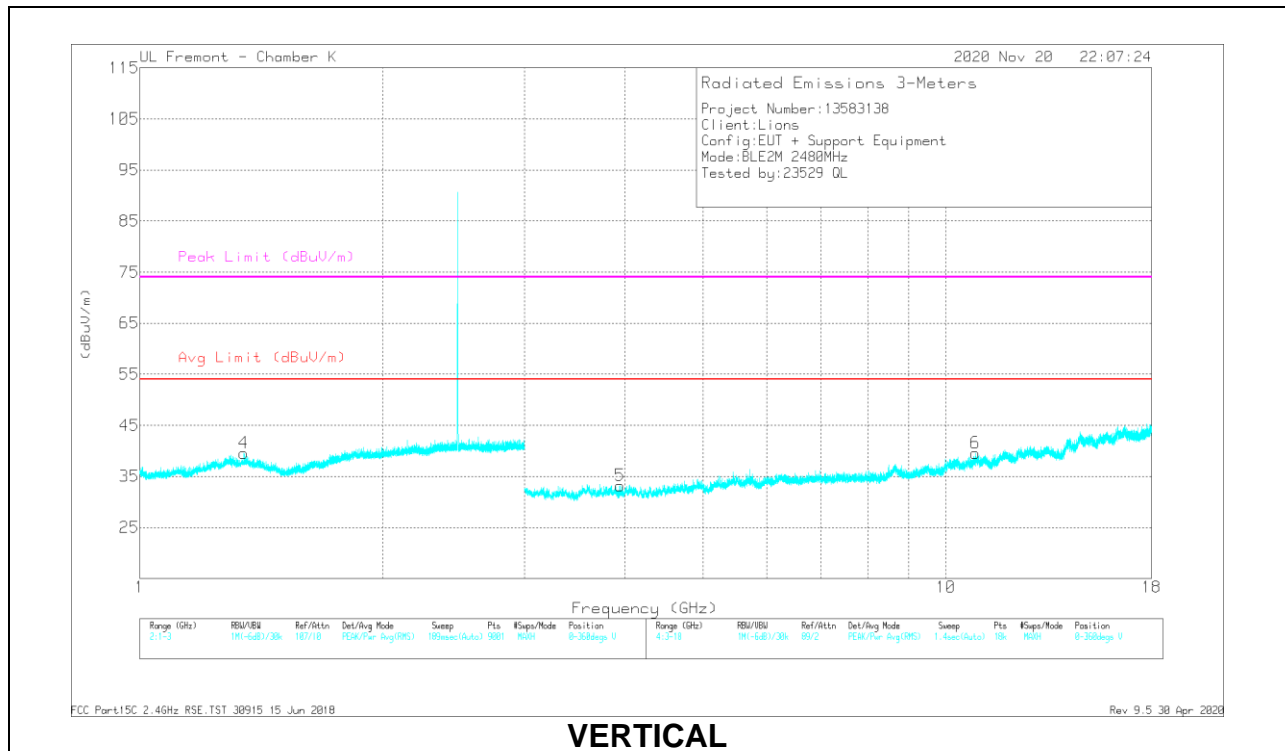
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

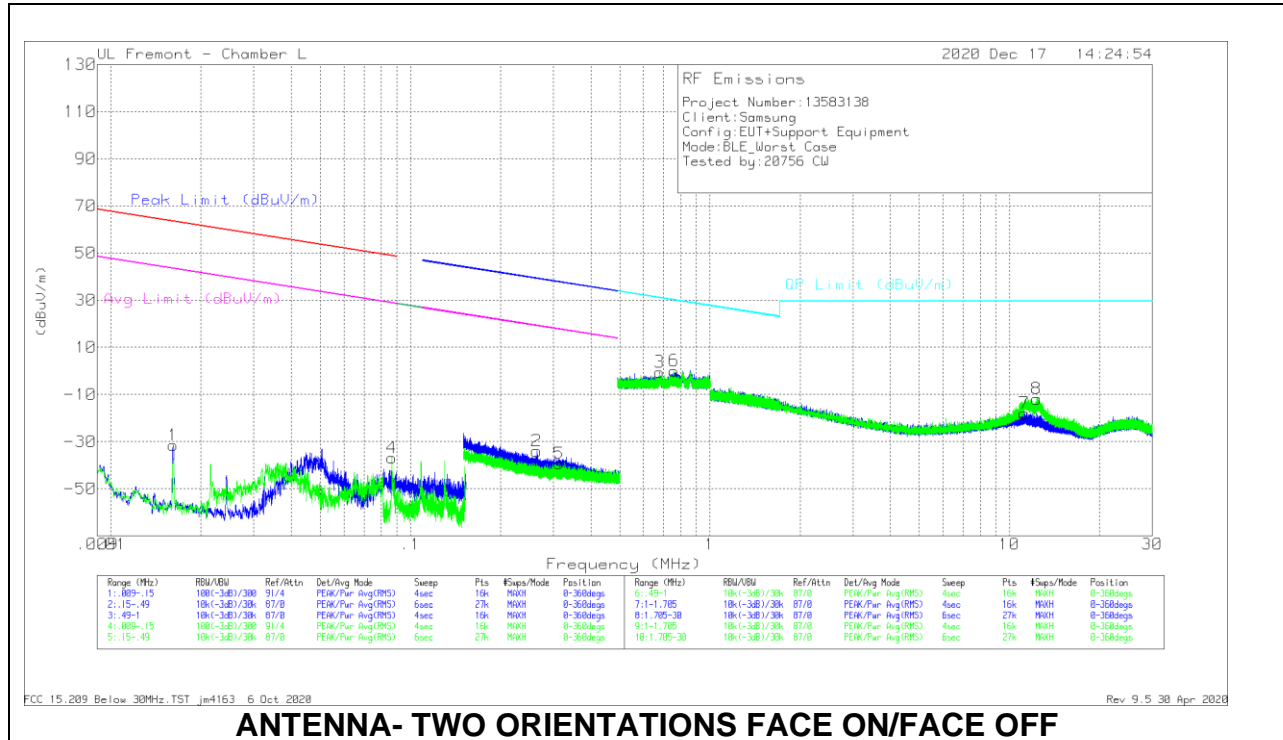
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.30277	53.73	PK2	29.2	-36.7	0	46.23	-	-	74	-27.77	225	330	H
* 1.30089	43.18	MAv1	29.2	-36.7	4.84	40.52	54	-13.48	-	-	225	330	H
* 1.34704	53.99	PK2	29.3	-36.5	0	46.79	-	-	74	-27.21	173	328	V
* 1.34621	42.53	MAv1	29.3	-36.5	4.84	40.17	54	-13.83	-	-	173	328	V
* 4.02821	48.02	PK2	33.6	-42	0	39.62	-	-	74	-34.38	263	204	H
* 4.02832	37.38	MAv1	33.6	-42	4.84	33.82	54	-20.18	-	-	263	204	H
14.2084	44.57	PK2	39.6	-33.8	0	50.37	-	-	-	-	318	139	H
14.21045	33.51	MAv1	39.6	-33.9	4.84	44.05	-	-	-	-	318	139	H
* 3.94541	48.78	PK2	33.6	-41.7	0	40.68	-	-	74	-33.32	91	192	V
* 3.94653	37.32	MAv1	33.6	-41.7	4.84	34.06	54	-19.94	-	-	91	192	V
* 10.88216	45.18	PK2	37.9	-36.9	0	46.18	-	-	74	-27.82	233	285	V
* 10.87963	34.4	MAv1	37.8	-36.9	4.84	40.14	54	-13.86	-	-	233	285	V

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

10.3. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01613	21.56	Pk	59.3	-32.4	-80	-31.54	63.43	-94.97	43.43	-74.97	-	-	-	-	0-360
2	.26406	22.15	Pk	56.1	-32.3	-80	-34.05	-	-	39.18	-73.23	19.18	-53.23	-	-	0-360
4	.08678	19.75	Pk	55.6	-32.3	-80	-36.95	48.82	-85.77	28.82	-65.77	-	-	-	-	0-360
5	.3132	16.89	Pk	56.1	-32.3	-80	-39.31	-	-	-	-	37.69	-77	17.69	-57	0-360

Pk - Peak detector

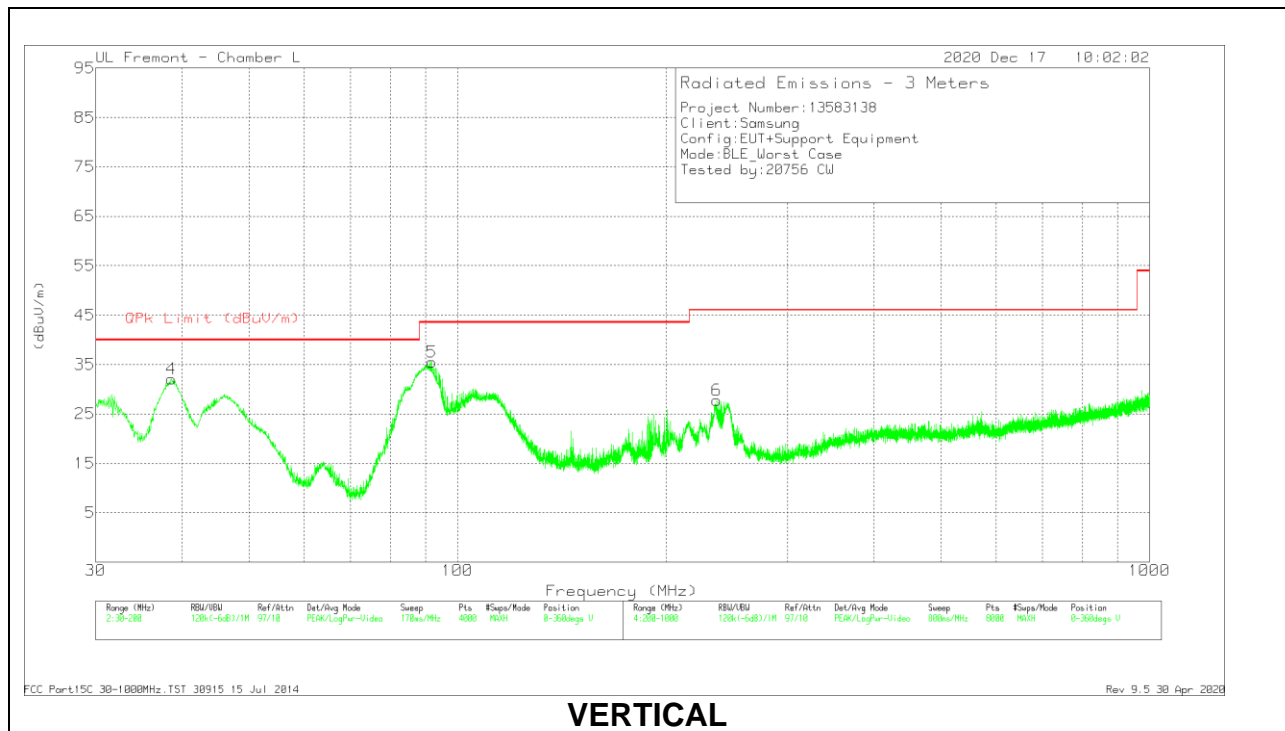
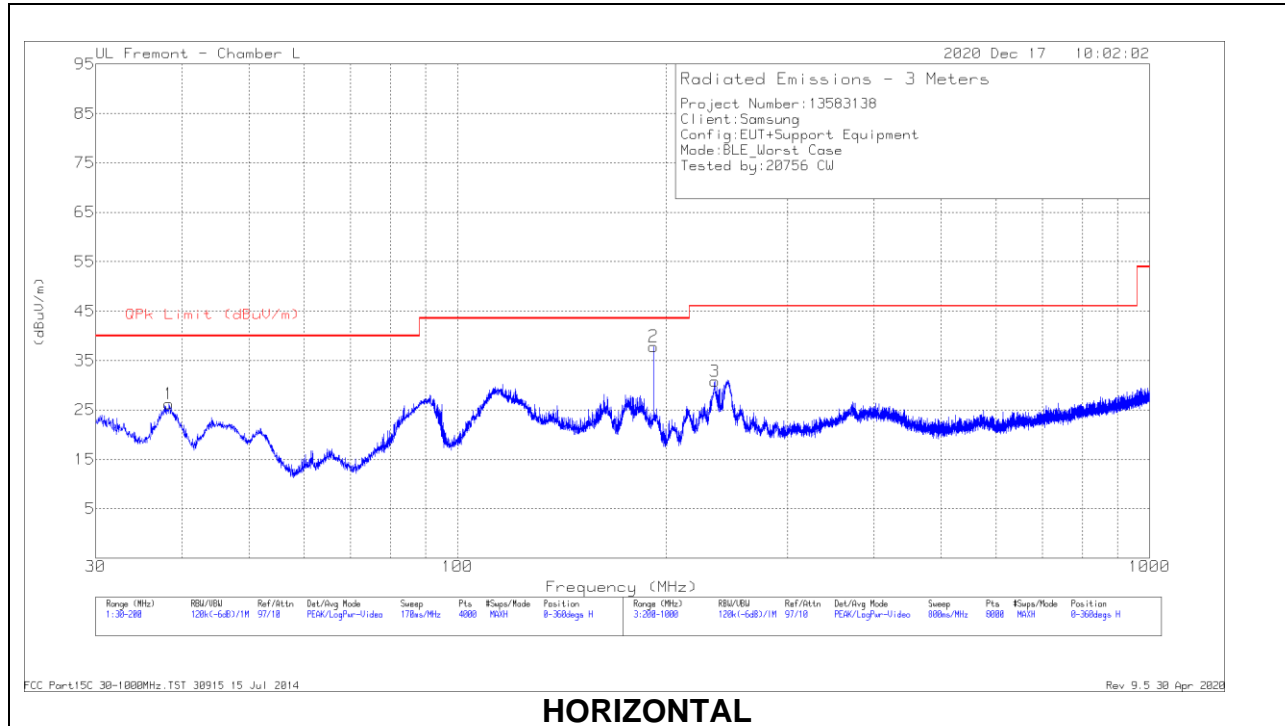
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.67867	15.56	Pk	56.1	-32.2	-40	-54	30.98	-31.52	0-360
6	.75864	16.16	Pk	56.1	-32.2	-40	.06	30.01	-29.95	0-360
7	11.22503	19.46	Pk	34.4	-31.9	-40	-18.04	29.5	-47.54	0-360
8	12.3401	25.73	Pk	34.3	-31.9	-40	-11.87	29.5	-41.37	0-360

Pk - Peak detector

NOTE: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

10.4. WORST CASE BELOW 1 GHZ

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184971 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	38.2896	36.58	Pk	21	-31.3	26.28	40	-13.72	0-360	399	H
2	192.0519	51.05	Pk	17	-30.2	37.85	43.52	-5.67	0-360	101	H
4	38.5872	42.53	Pk	20.8	-31.3	32.03	40	-7.97	0-360	101	V
5	91.8535	52.38	Pk	13.9	-30.8	35.48	43.52	-8.04	0-360	101	V
3	235.3046	43.56	Pk	17.2	-29.9	30.86	46.02	-15.16	0-360	101	H
6	236.9048	40.51	Pk	17.3	-30	27.81	46.02	-18.21	0-360	101	V

Pk - Peak detector

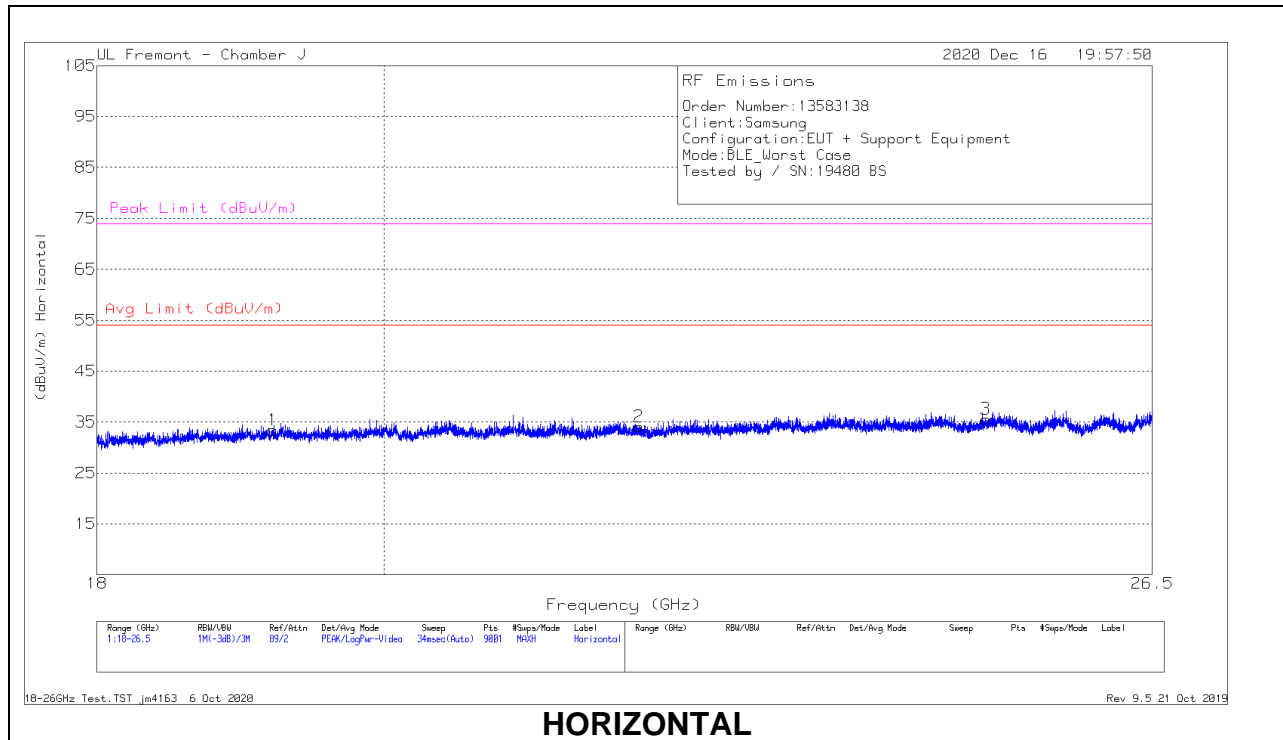
Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184971 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
191.8898	42.95	Qp	17	-30.2	29.75	43.52	-13.77	349	118	H

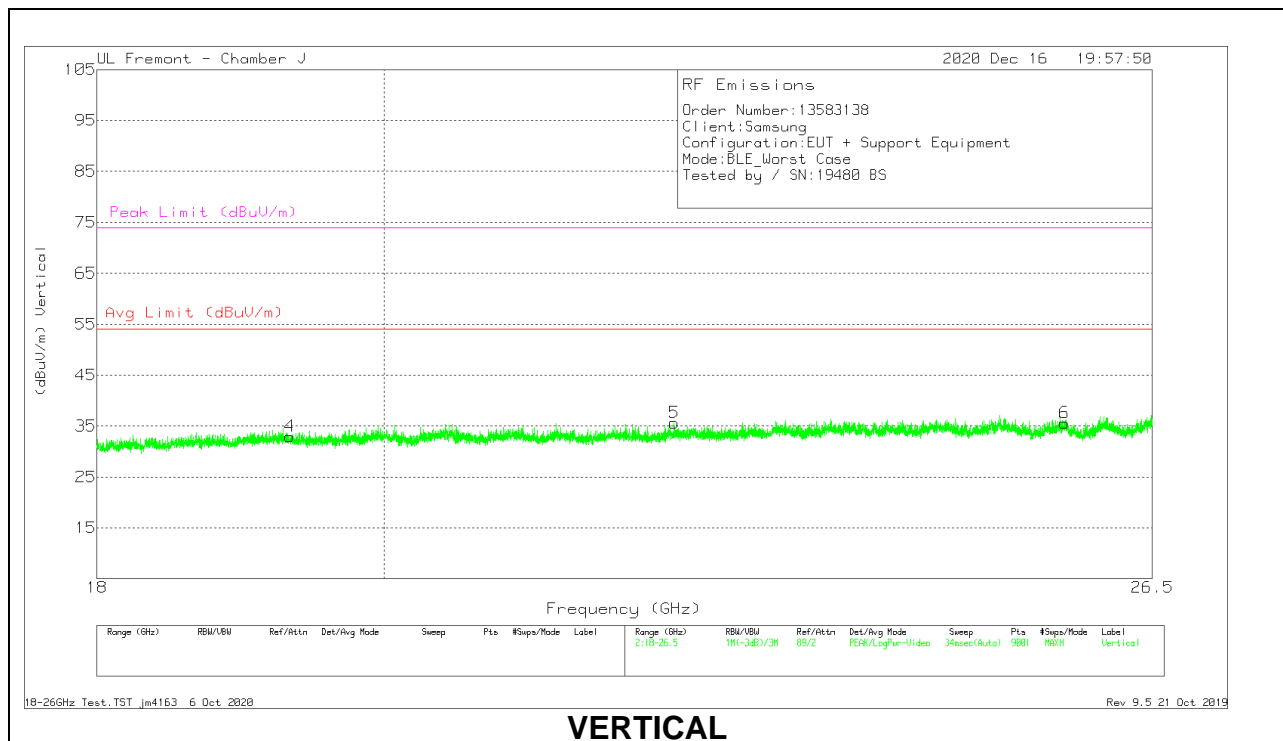
Qp - Quasi-Peak detector

10.5. WORST CASE 18-26 GHZ

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



HORIZONTAL



VERTICAL

18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.19661	67.64	Pk	32.7	-57.4	-9.5	33.44	54	-20.56	74	-40.56
2	21.95344	67.69	Pk	33.4	-57.5	-9.5	34.09	54	-19.91	74	-39.91
3	24.92939	66.08	Pk	34.6	-55.6	-9.5	35.58	54	-18.42	74	-38.42
4	19.31844	66.73	Pk	32.7	-57	-9.5	32.93	54	-21.07	74	-41.07
5	22.23961	69.16	Pk	33.6	-57.6	-9.5	35.66	54	-18.34	74	-38.34
6	25.66133	65.6	Pk	34.4	-54.9	-9.5	35.6	54	-18.4	74	-38.4

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

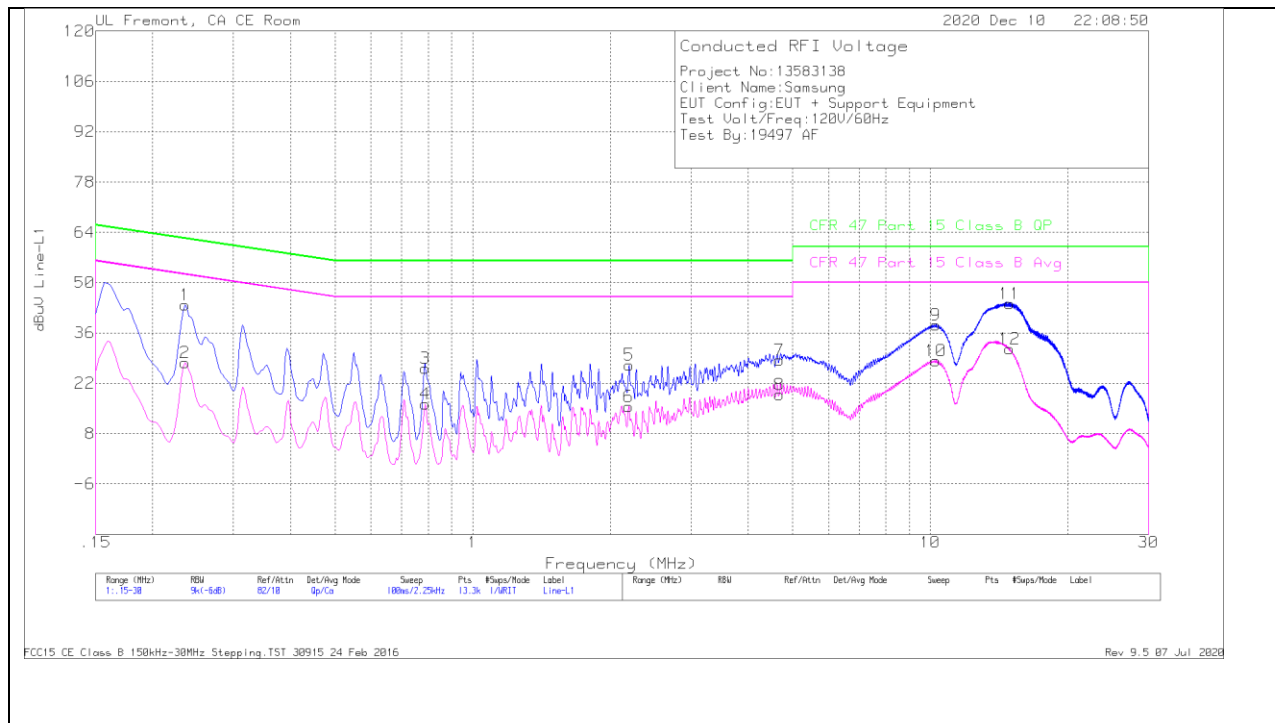
Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

RESULTS

11.1.1. AC Power Line Norm

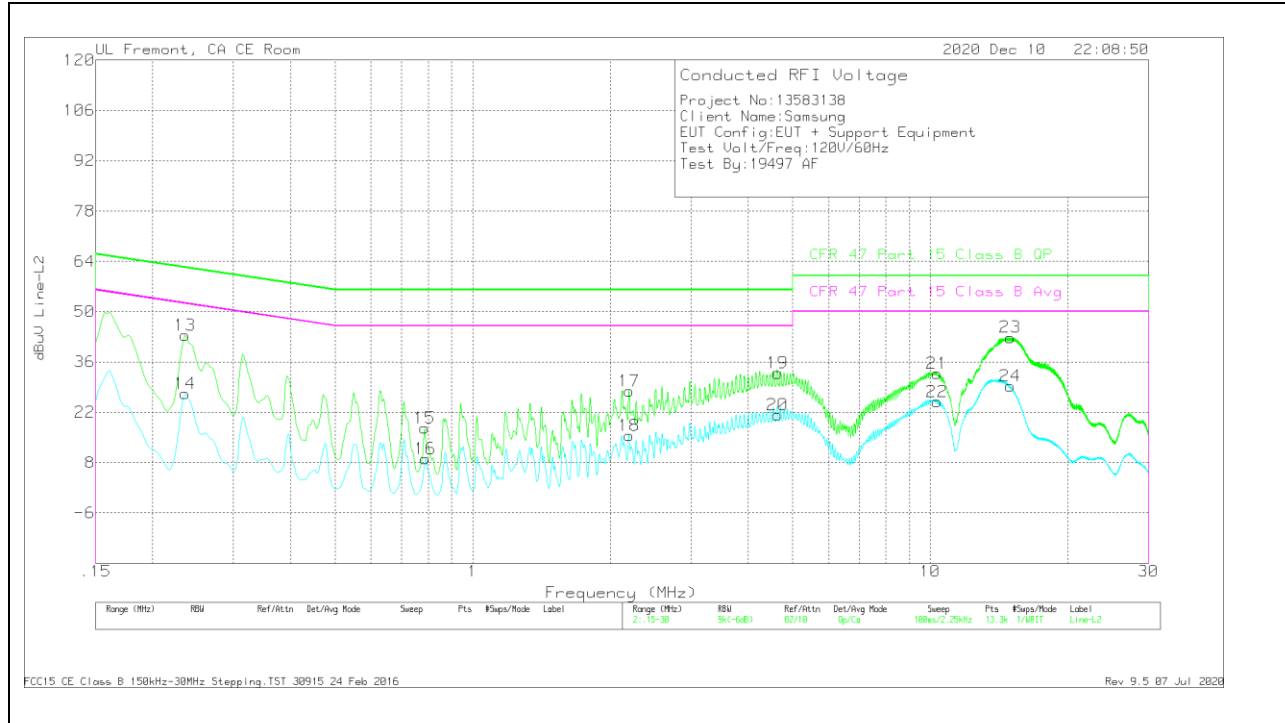
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L1	LC Cables C1&C3 dB	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.2355	33.73	Qp	0	0	10.1	43.83	62.25	-18.42	-	-
2	.2355	17.66	Ca	0	0	10.1	27.76	-	-	52.25	-24.49
3	.789	16.04	Qp	0	.1	10.1	26.24	56	-29.76	-	-
4	.789	5.97	Ca	0	.1	10.1	16.17	-	-	46	-29.83
5	2.19975	16.93	Qp	0	.1	10.1	27.13	56	-28.87	-	-
6	2.19525	5.41	Ca	0	.1	10.1	15.61	-	-	46	-30.39
7	4.67475	18.15	Qp	0	.1	10.2	28.45	56	-27.55	-	-
8	4.67475	8.48	Ca	0	.1	10.2	18.78	-	-	46	-27.22
9	10.293	27.77	Qp	0	.2	10.2	38.17	60	-21.83	-	-
10	10.293	17.82	Ca	0	.2	10.2	28.22	-	-	50	-21.78
11	14.919	33.71	Qp	0	.2	10.3	44.21	60	-15.79	-	-
12	14.91675	21.02	Ca	0	.2	10.3	31.52	-	-	50	-18.48

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 LISN L2	LC Cables C2&C3 dB	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.2355	33.39	Qp	0	0	10.1	43.49	62.25	-18.76	-	-
14	.2355	17.19	Ca	0	0	10.1	27.29	-	-	52.25	-24.96
15	.7845	7.52	Qp	0	0	10.1	17.62	56	-38.38	-	-
16	.789	-1	Ca	0	0	10.1	9.1	-	-	46	-36.9
17	2.1975	17.66	Qp	0	.1	10.1	27.86	56	-28.14	-	-
18	2.1975	5.41	Ca	0	.1	10.1	15.61	-	-	46	-30.39
19	4.64325	22.6	Qp	0	.1	10.2	32.9	56	-23.1	-	-
20	4.64325	10.97	Ca	0	.1	10.2	21.27	-	-	46	-24.73
21	10.35713	22.38	Qp	0	.2	10.2	32.78	60	-27.22	-	-
22	10.34025	14.63	Ca	0	.2	10.2	25.03	-	-	50	-24.97
23	14.9505	32.24	Qp	.1	.2	10.3	42.84	60	-17.16	-	-
24	14.955	18.79	Ca	.1	.2	10.3	29.39	-	-	50	-20.61

Qp - Quasi-Peak detector
 Ca - CISPR average detection