



CERTIFICATION TEST REPORT

Report Number. : 12810732-E4V1

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

Model : SM-G398FN/DS and SM-G398FN

FCC ID : A3LSMG398FN

EUT Description : GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac and
NFC

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

Date Of Issue:

May 14, 2019

Prepared by:

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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	5/14/2019	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 Phone with BT, DTS/UNII a/b/g/n/ac and NFC

MODEL: SM-G398FN/DS and SM-G398FN

SERIAL NUMBER: Radiated: R38M4044FGF, R38M4044QSK
Conducted: R38M4044PNW

DATE TESTED: April 22 – May 06, 2019

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.

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2. 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, and KDB 558074 D01 15.247 Meas Guidance v05r02.

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. Line conducted emissions are measured only at the 47173 address. 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 Rd
☐ Chamber A	☐ Chamber D	☒ Chamber I
☐ Chamber B	☐ Chamber E	☒ Chamber J
☐ Chamber C	☐ Chamber F	☐ Chamber K
	☐ Chamber G	☐ Chamber L
	☐ Chamber H	☐ 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

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:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \text{Cable} \\ &\text{Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Final Voltage (dBuV)} &= \text{Measured Voltage (dBuV)} + \text{Cable Loss (dB)} + \text{Limiter Factor (dB)} + \\ &\text{LISN Insertion Loss.} \\ 36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} &= 46.6 \text{ dBuV} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.84 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.65 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.52 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	4.88 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.24 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.37 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.17 dB

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

5. EQUIPMENT UNDER TEST

5.1. EUT DESCRIPTION

The EUT is a GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac and NFC.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2412 - 2472	802.11b	14.77	29.99
2412 - 2472	802.11g	14.92	31.05
2412 - 2472	802.11n HT20	14.98	31.48

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antenna, with a maximum gain of -1.13dBi.

5.4. 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:

802.11b mode: 1 Mbps
802.11g mode: 6 Mbps
802.11n HT20mode: MCS0

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	Samsung	EP-TA200	R37M14P3GY1SE3	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

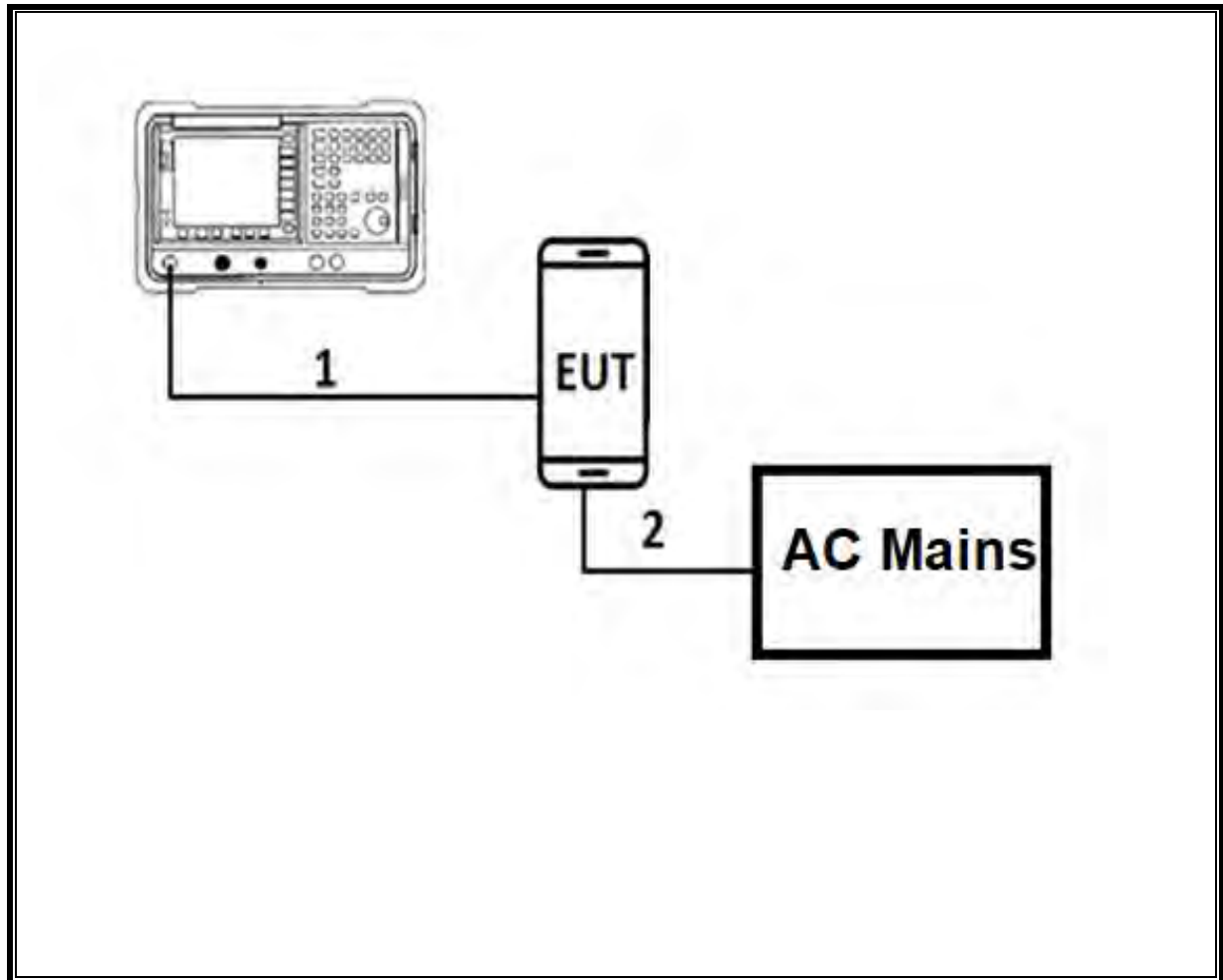
I/O CABLES (RADIATED AND CONDUCTED EMISSIONS)

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

TEST SETUP

The EUT is a stand alone unit. Test software exercised the radio card.

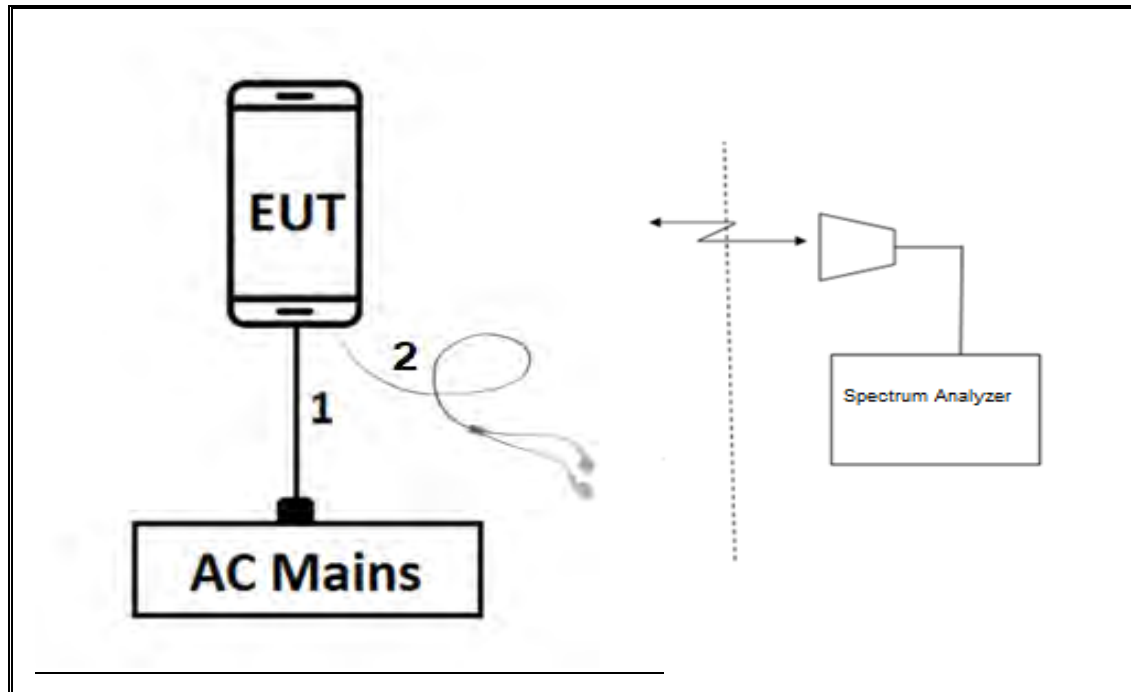
CONDUCTED TEST SETUP DIAGRAM



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, the EUT is stand alone unit and the test software exercises the radio.

6. MEASUREMENT METHOD

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

6 dB BW: ANSI C63.10 Section 11.8.1

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)

Band-edge: ANSI C63.10 Section 11.13.3.4 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction factor

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

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

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

Conducted emissions in restricted frequency bands: ANSI C63.10 Section 11.12.

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

7. 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
6 port rf switch, 1-18GHz	Pasternack	PE7159	171455	08/01/2019	08/01/2018
Power Meter, P-series single channel	Agilent (Keysight) Technologies	N1911A	T1271	07/26/2019	07/26/2018
Power Sensor, P-series, 50MHz to 18GHz, Wideband	Agilent (Keysight) Technologies	N1921A	T1224	10/09/2019	10/09/2018
Antenna, Passive Loop 30Hz – 1MHz	Electro-Metrics	EM-6871	PRE0179465	05/22/2019	05/22/2018
Antenna, Passive Loop 100kHz – 30MHz	Electro-Metrics	EM-6872	PRE0179467	05/23/2019	05/23/2018
Antenna, Horn 1-18GHz	AR	AMPL-ATH1G18	PRE0189055	04/20/2020	04/20/2019
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179377	02/15/2020	02/15/2019
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179376	02/14/2020	02/14/2019
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	T908	01/23/2020	01/23/2019
Amplifier, 1-18GHz, 35 dB	AMPLICAL	AMP1G18-35	T1571	07/30/2019	07/30/2018
Amplifier, 100kHz to 1GHz, 32 dB	Sonoma Instrument	310	PRE0180175	07/09/2019	07/09/2018
Hybrid Antenna, 30MHz to 3GHz	SunAR rf motion	JB3	PRE0181571	11/13/2019	11/13/2018
Antenna, Horn 18 to 26.5GHz	ARA	MWH-1826/B	PRE0182188	08/29/2019	08/29/2018
Pre-Amp, 18-26.5GHz	AMPLICAL	AMP18G26.5-60	PRE0181238	05/01/2020	05/01/2019
AC Line Conducted					
EMI Receiver	Rohde & Schwarz	ESR	T1436	02/14/2020	02/14/2019
LISN for Conducted Emissions CISPR-16	FCC INC.	FCC LISN 50/250	T1310	06/15/2019	06/15/2018
Test Software List					
Radiated Software	UL	UL EMC	Ver 9.5, June 22, 2018		
Antenna Port Software	UL	UL RF	Ver 9.6, April 18, 2019		
AC Line Conducted Software	UL	UL EMC	Ver 9.5, May 26, 2015		

NOTES:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

8. ANTENNA PORT TEST RESULTS

8.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

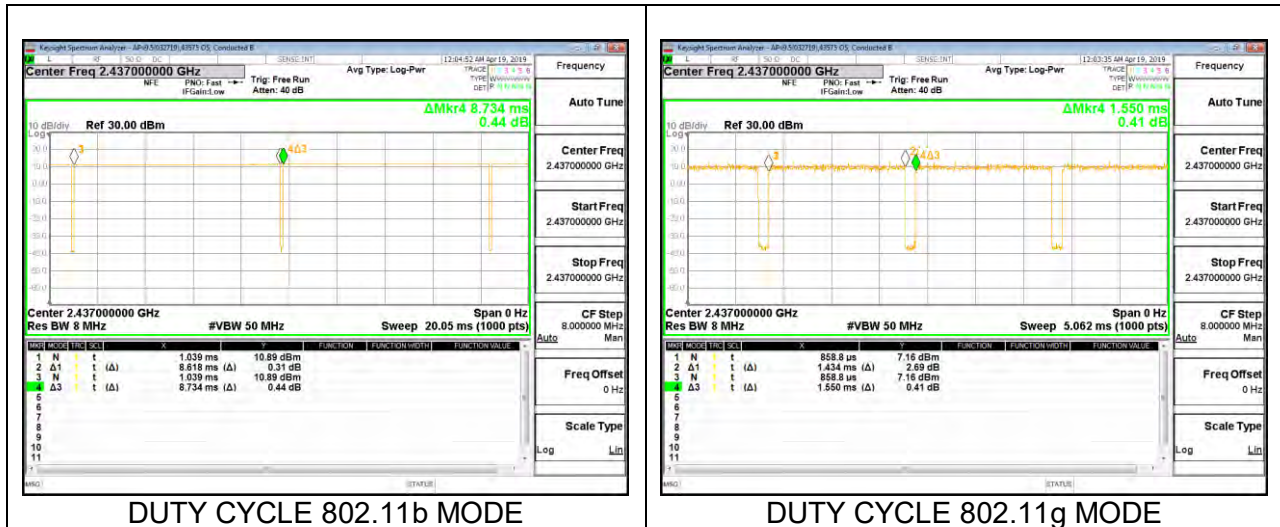
PROCEDURE

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						
802.11b 1TX	8.618	8.734	0.987	98.67%	0.00	0.010
802.11g 1TX	1.434	1.550	0.925	92.52%	0.34	0.697
802.11n HT20 1TX	1.338	1.479	0.905	90.47%	0.44	0.747

DUTY CYCLE PLOTS



DUTY CYCLE 802.11n HT20 MODE

8.2. 6 dB BANDWIDTH

LIMITS

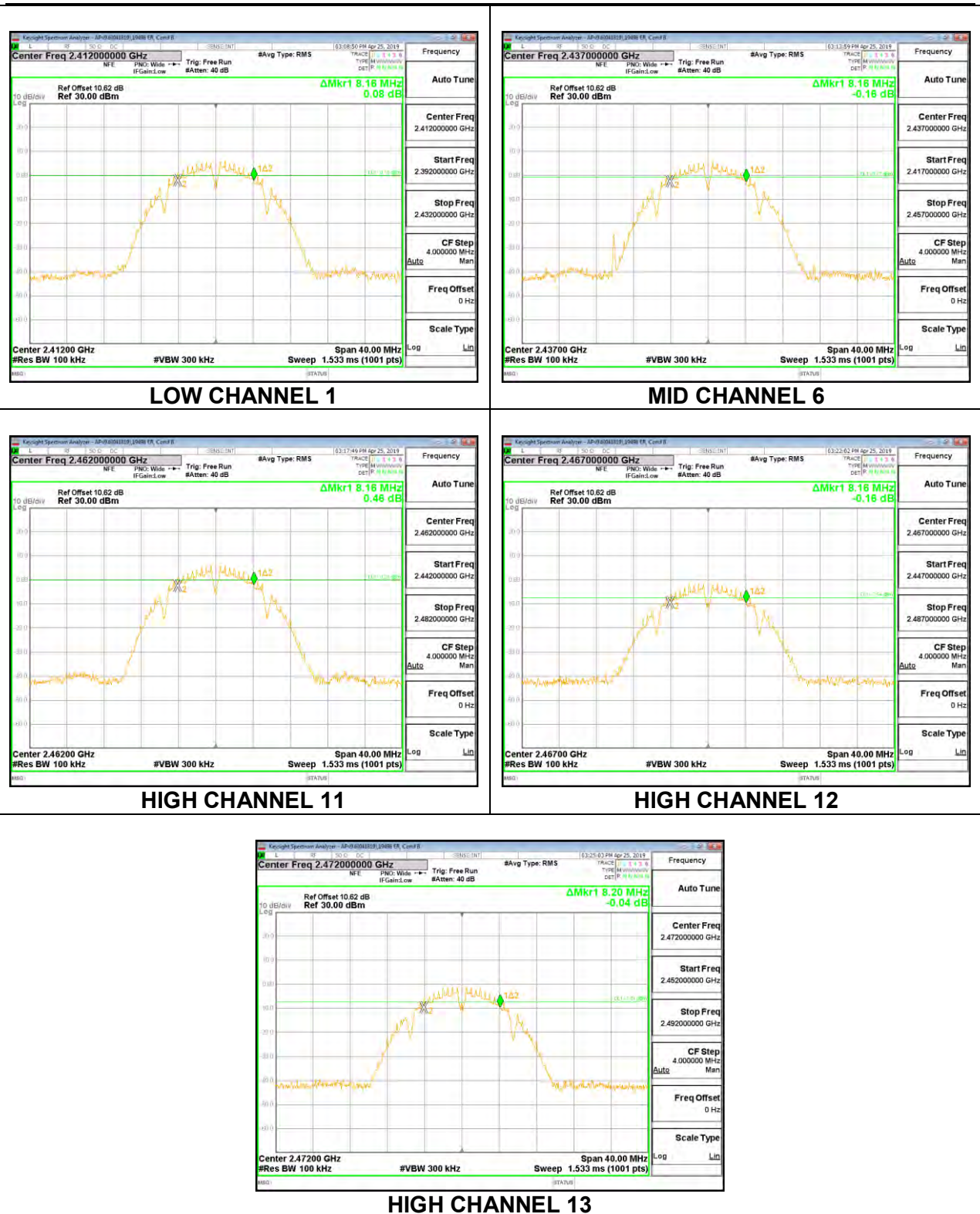
FCC §15.247 (a) (2)

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

RESULTS

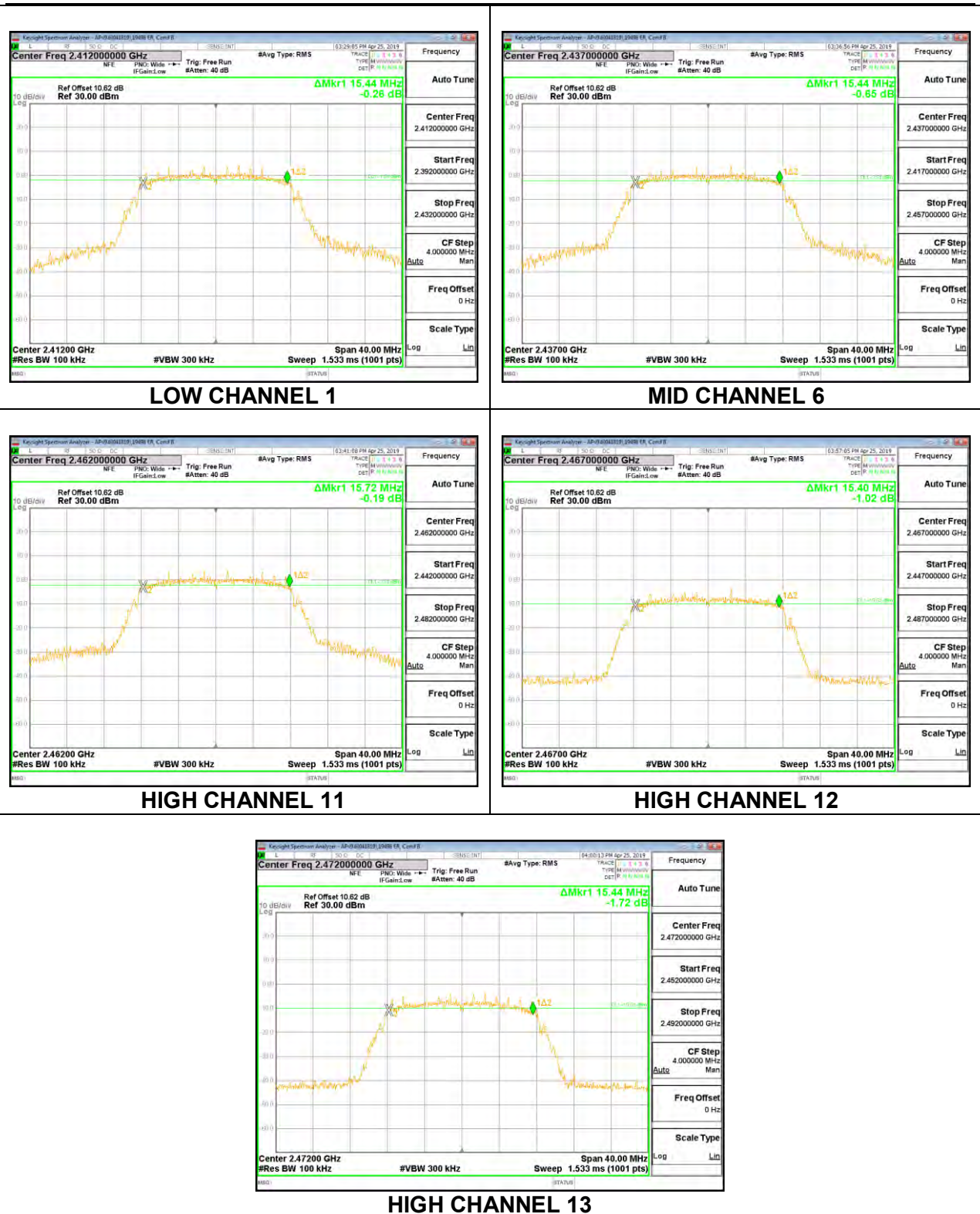
8.2.1. 802.11b MODE

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low 1	2412	8.16	0.5
Mid 6	2437	8.16	0.5
High 11	2462	8.16	0.5
High 12	2467	8.16	0.5
High 13	2472	8.20	0.5



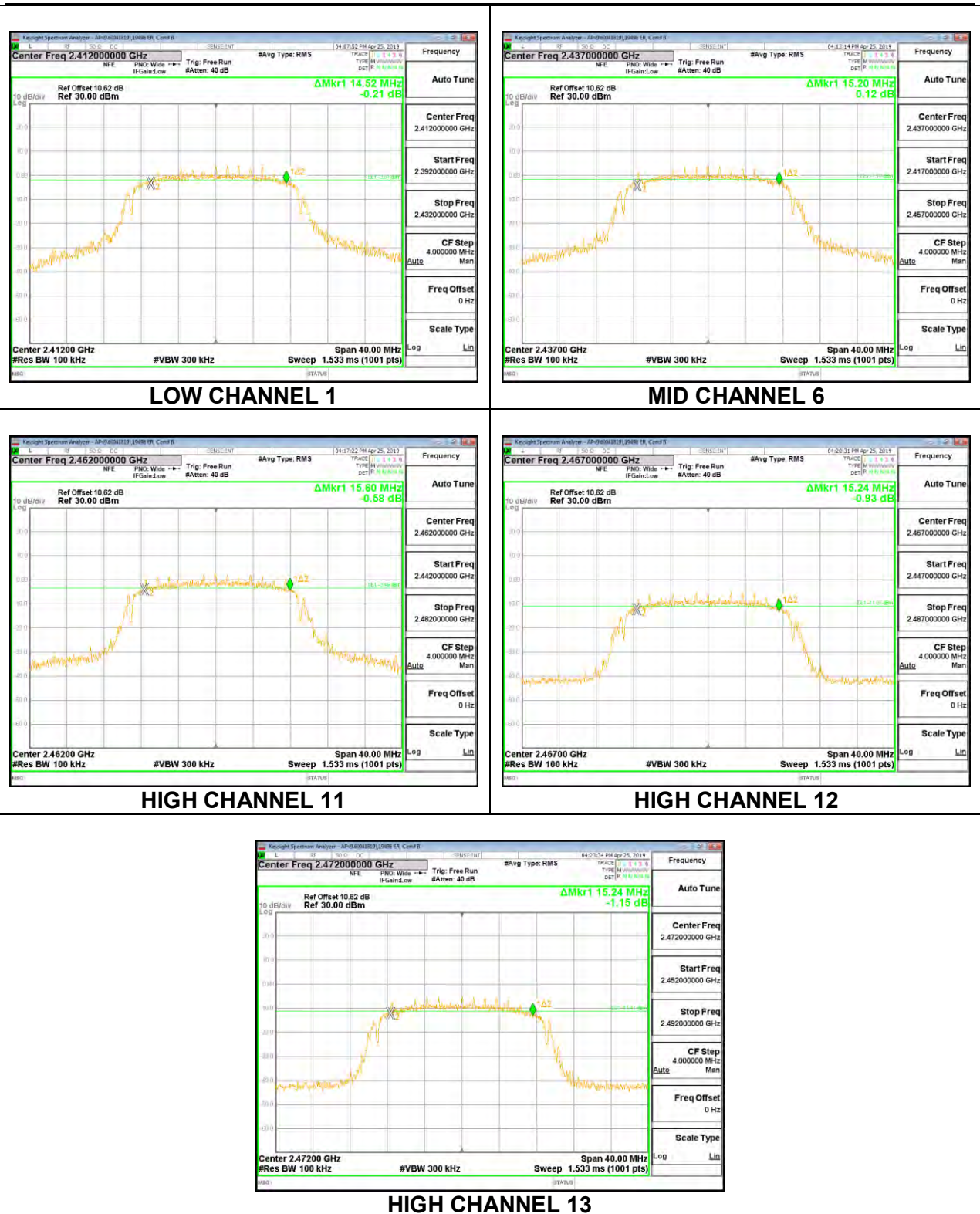
8.2.2. 802.11g MODE

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low 1	2412	15.44	0.5
Mid 6	2437	15.44	0.5
High 11	2462	15.72	0.5
High 12	2467	15.40	0.5
High 13	2472	15.44	0.5



8.2.3. 802.11n HT20 MODE

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low 1	2412	14.52	0.5
Mid 6	2437	15.20	0.5
High 11	2462	15.60	0.5
High 12	2467	15.24	0.5
High 13	2472	15.24	0.5



8.3. OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

8.3.1. 802.11b MODE

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-1.13	30.00	30	36	30.00
Mid 6	2437	-1.13	30.00	30	36	30.00
High 11	2462	-1.13	30.00	30	36	30.00
High 12	2467	-1.13	30.00	30	36	30.00
High 13	2472	-1.13	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	14.77	14.77	30.00	-15.23
Mid 6	2437	14.29	14.29	30.00	-15.71
High 11	2462	14.16	14.16	30.00	-15.84
High 12	2467	7.27	7.27	30.00	-22.73
High 13	2472	7.63	7.63	30.00	-22.37

8.3.2. 802.11g MODE

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-1.13	30.00	30	36	30.00
Mid 6	2437	-1.13	30.00	30	36	30.00
High 11	2462	-1.13	30.00	30	36	30.00
High 12	2467	-1.13	30.00	30	36	30.00
High 13	2472	-1.13	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	14.88	14.88	30.00	-15.12
Mid 6	2437	14.92	14.92	30.00	-15.08
High 11	2462	14.78	14.78	30.00	-15.22
High 12	2467	7.10	7.10	30.00	-22.90
High 13	2472	7.07	7.07	30.00	-22.93

8.3.3. 802.11n HT20 MODE

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-1.13	30.00	30	36	30.00
Mid 6	2437	-1.13	30.00	30	36	30.00
High 11	2462	-1.13	30.00	30	36	30.00
High 12	2467	-1.13	30.00	30	36	30.00
High 13	2472	-1.13	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	14.98	14.98	30.00	-15.02
Mid 6	2437	14.89	14.89	30.00	-15.11
High 11	2462	14.17	14.17	30.00	-15.83
High 12	2467	5.06	5.06	30.00	-24.94
High 13	2472	5.75	5.75	30.00	-24.25

8.4. 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.

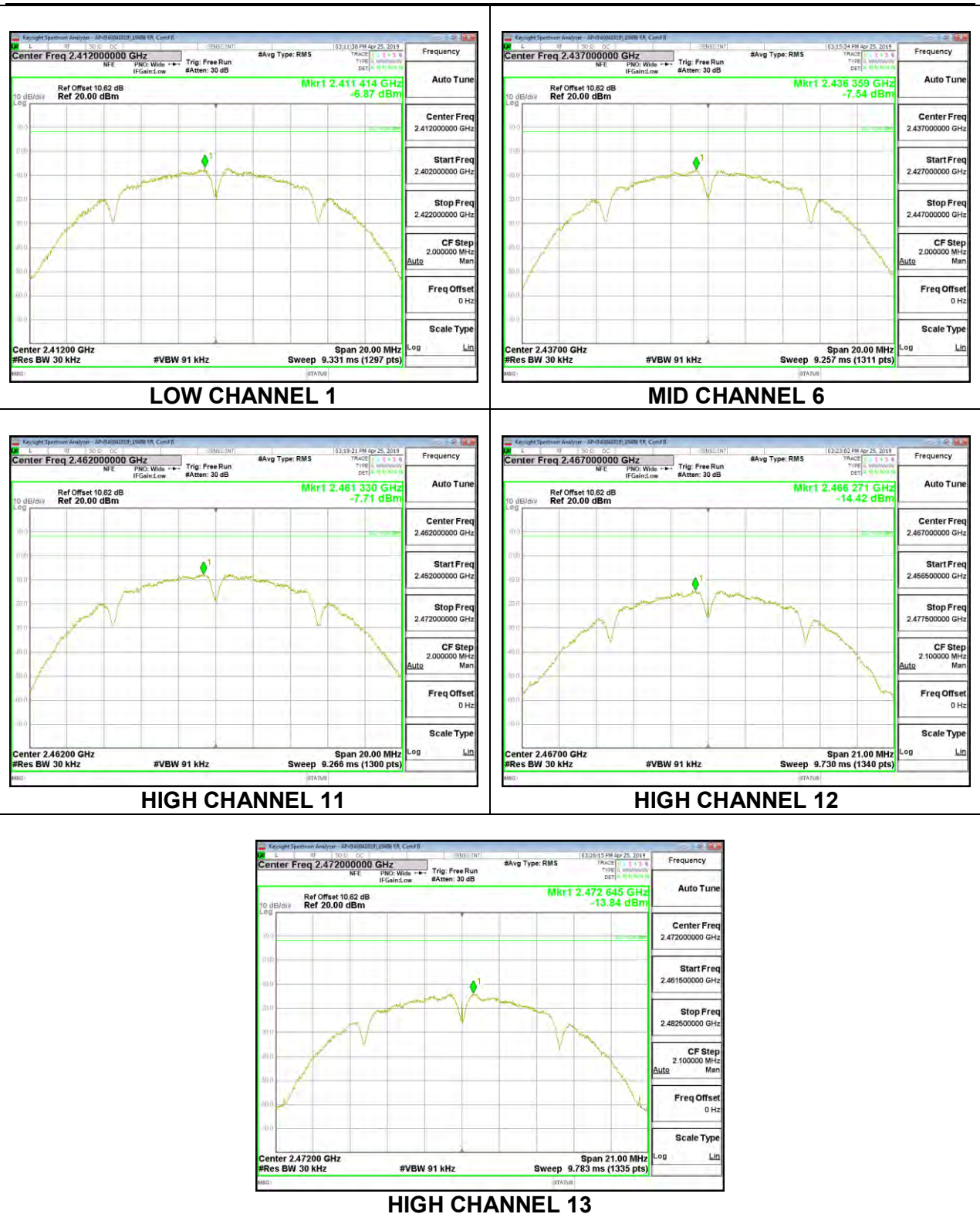
RESULTS

8.4.1. 802.11b MODE

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm/ 30kHz)	Total Corr'd PSD (dBm/ 30kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-6.87	-6.87	8.0	-14.9
Mid 6	2437	-7.54	-7.54	8.0	-15.5
High 11	2462	-7.71	-7.71	8.0	-15.7
High 12	2467	-14.42	-14.42	8.0	-22.4
High 13	2472	-13.84	-13.84	8.0	-21.8

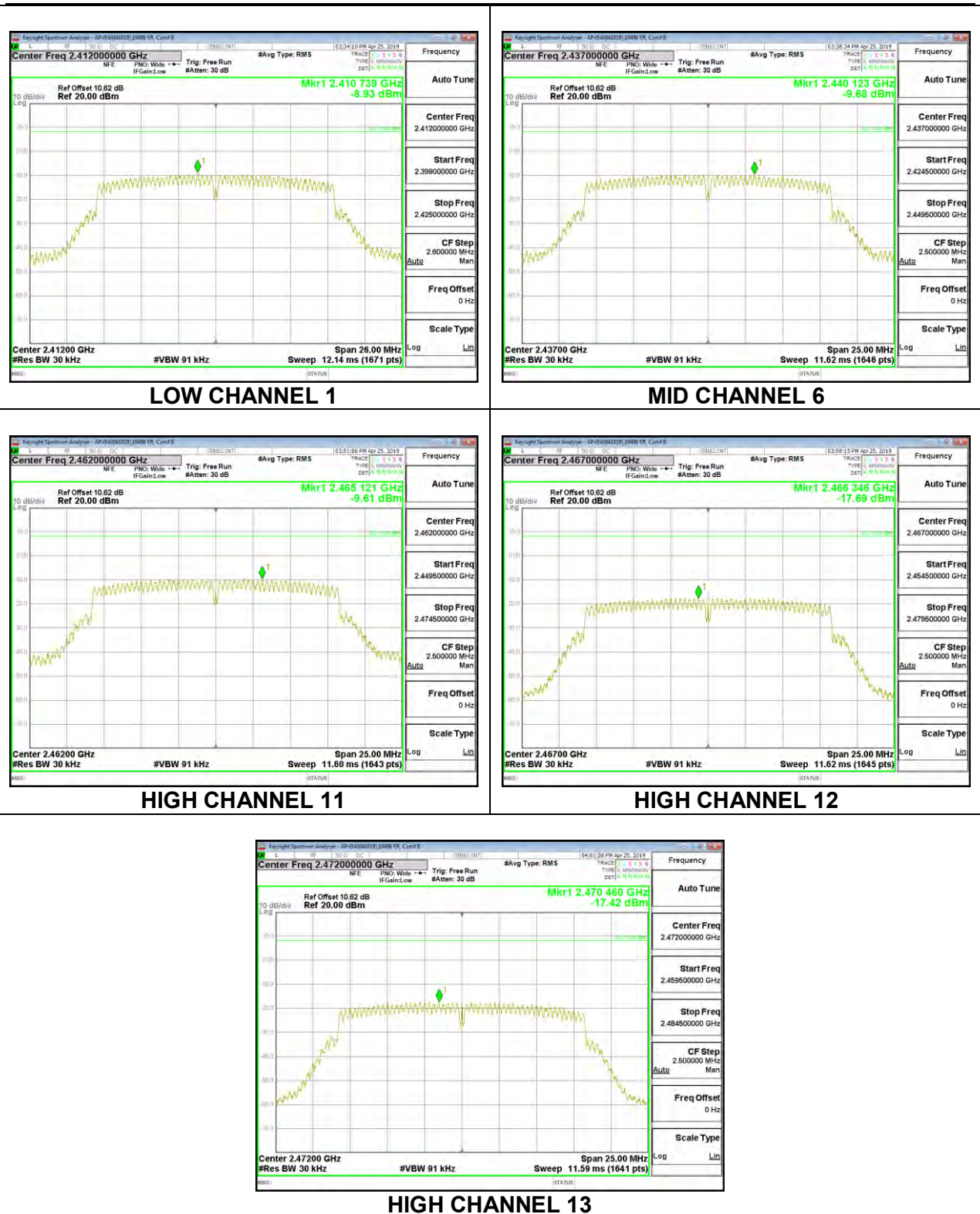


8.4.2. 802.11g MODE

Duty Cycle CF (dB)	0.34	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm/ 30kHz)	Total Corr'd PSD (dBm/ 30kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-8.93	-8.59	8.0	-16.6
Mid 6	2437	-9.68	-9.34	8.0	-17.3
High 11	2462	-9.61	-9.27	8.0	-17.3
High 12	2467	-17.69	-17.35	8.0	-25.4
High 13	2472	-17.42	-17.08	8.0	-25.1

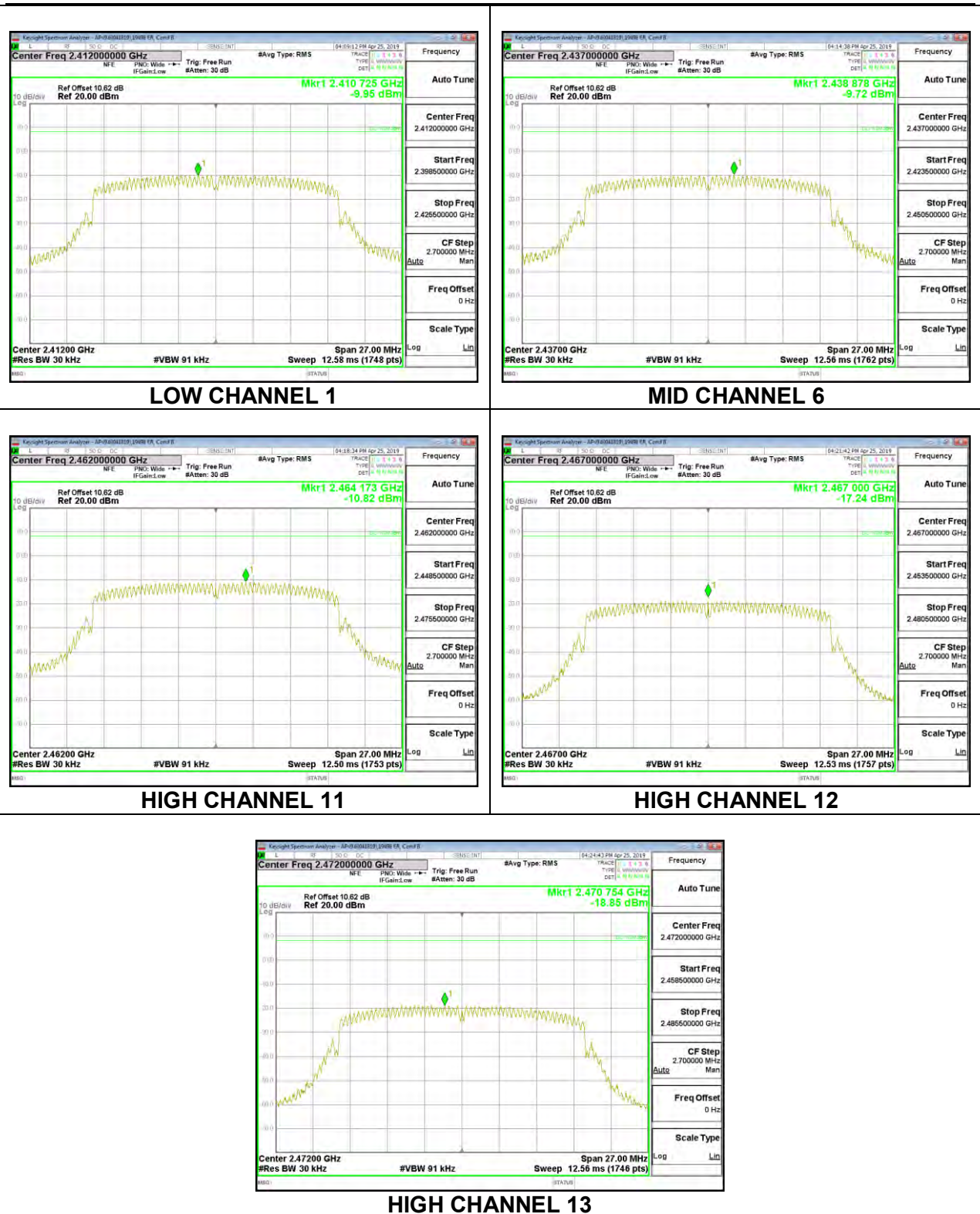


8.4.3. 802.11n HT20 MODE

Duty Cycle CF (dB)	0.44	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Chain 0 Meas (dBm/ 30kHz)	Total Corr'd PSD (dBm/ 30kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-9.95	-9.51	8.0	-17.5
Mid 6	2437	-9.72	-9.28	8.0	-17.3
High 11	2462	-10.81	-10.37	8.0	-18.4
High 12	2467	-17.24	-16.80	8.0	-24.8
High 13	2472	-18.84	-18.40	8.0	-26.4



8.5. CONDUCTED SPURIOUS EMISSIONS

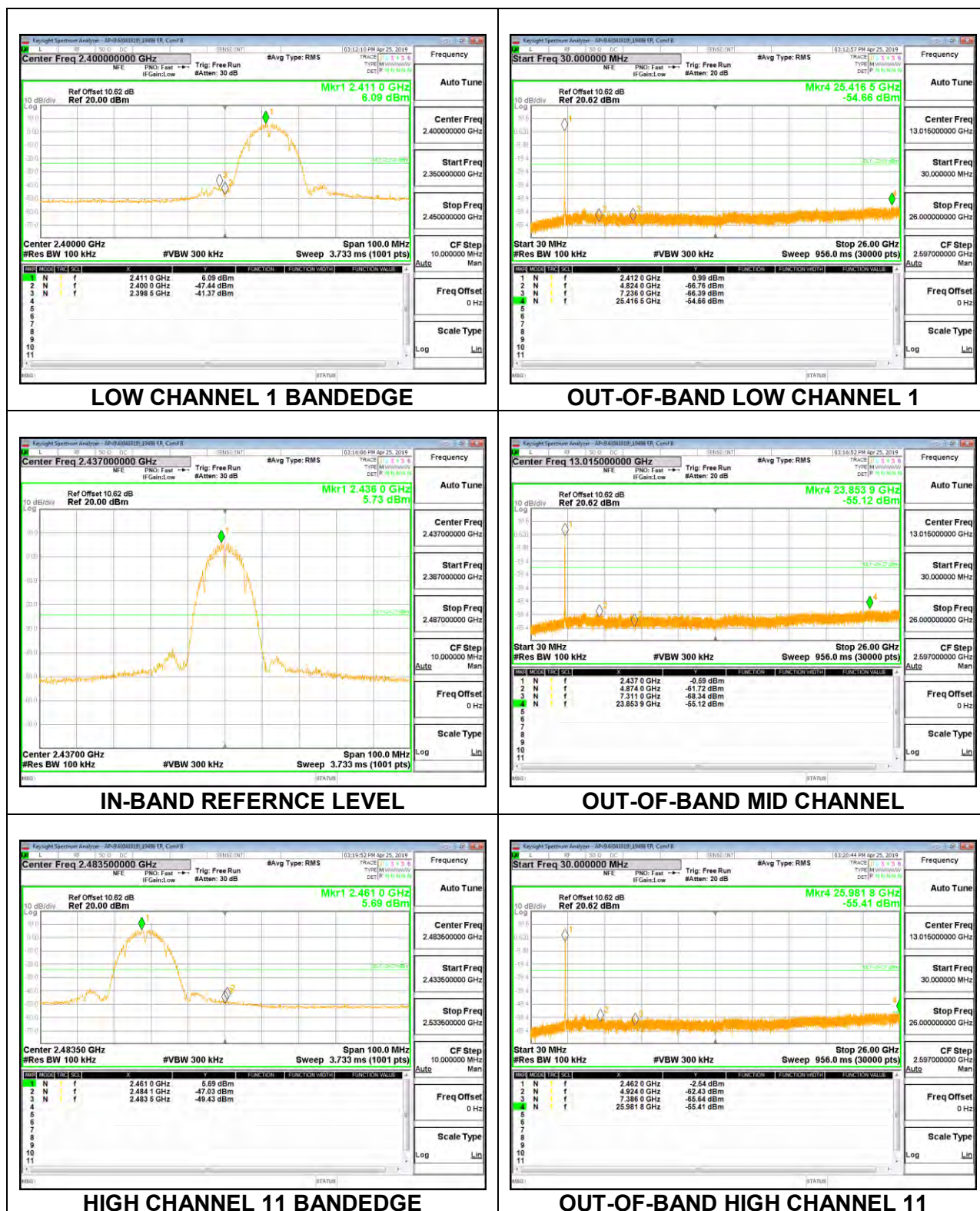
LIMITS

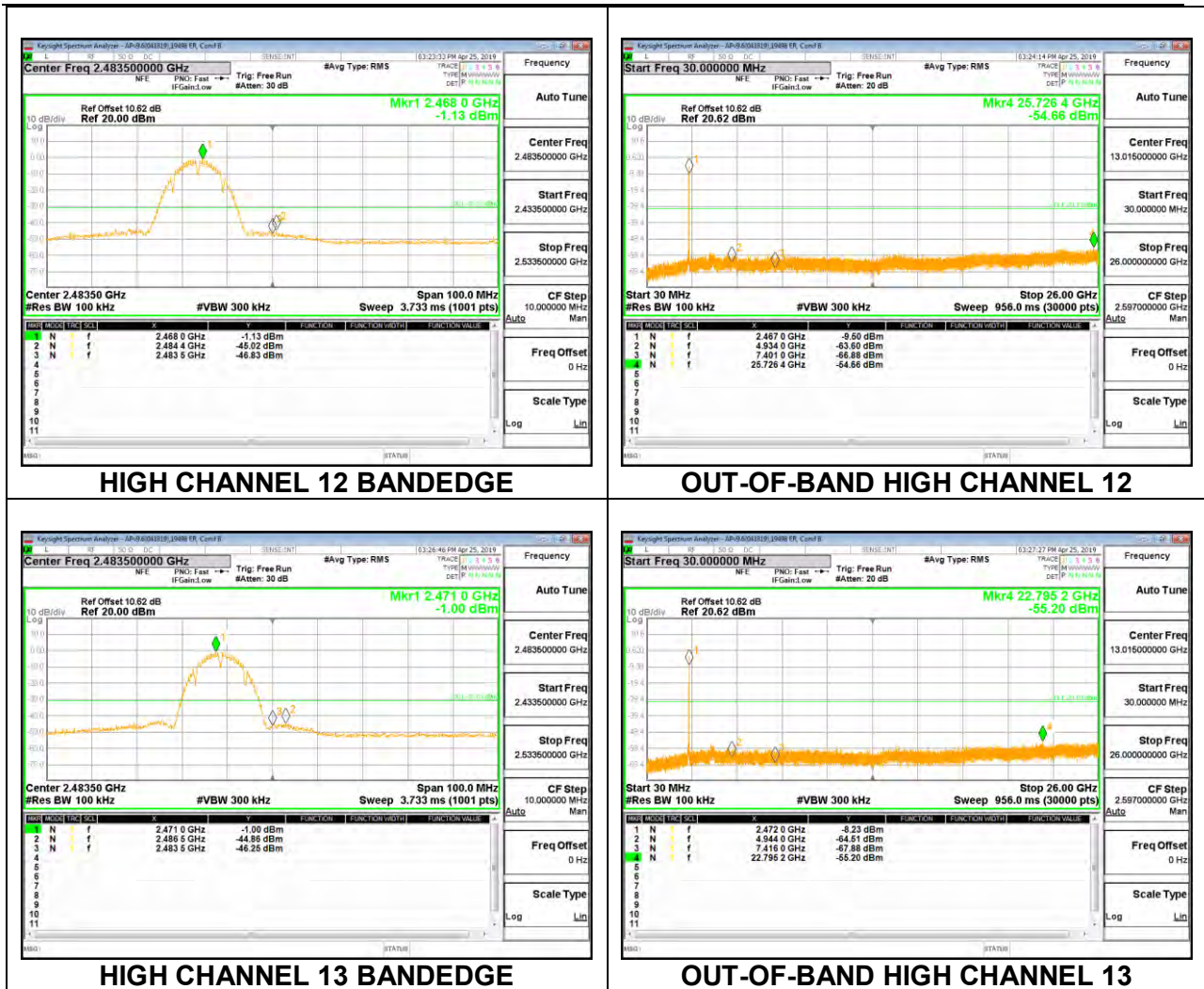
FCC §15.247 (d)

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

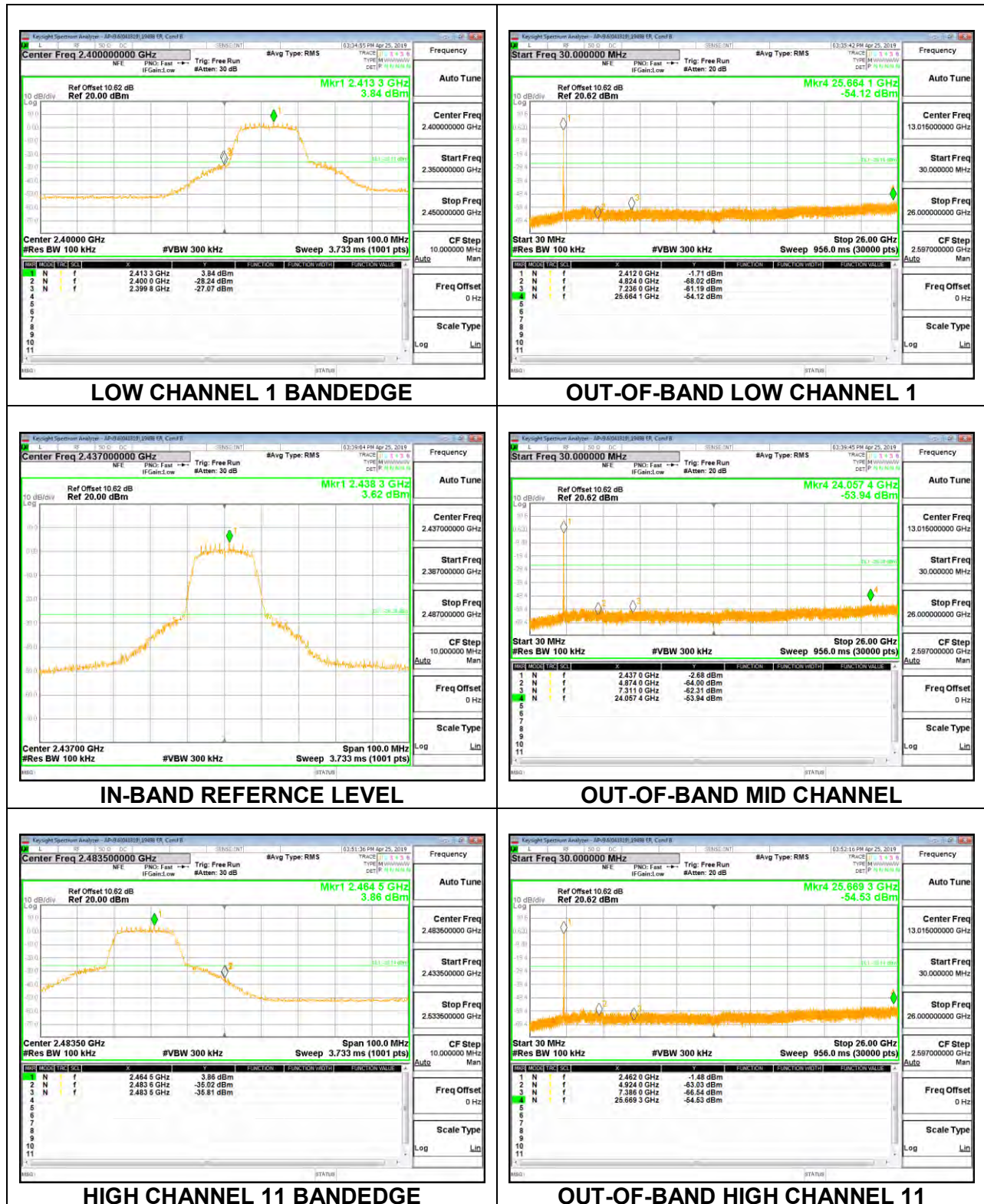
RESULTS

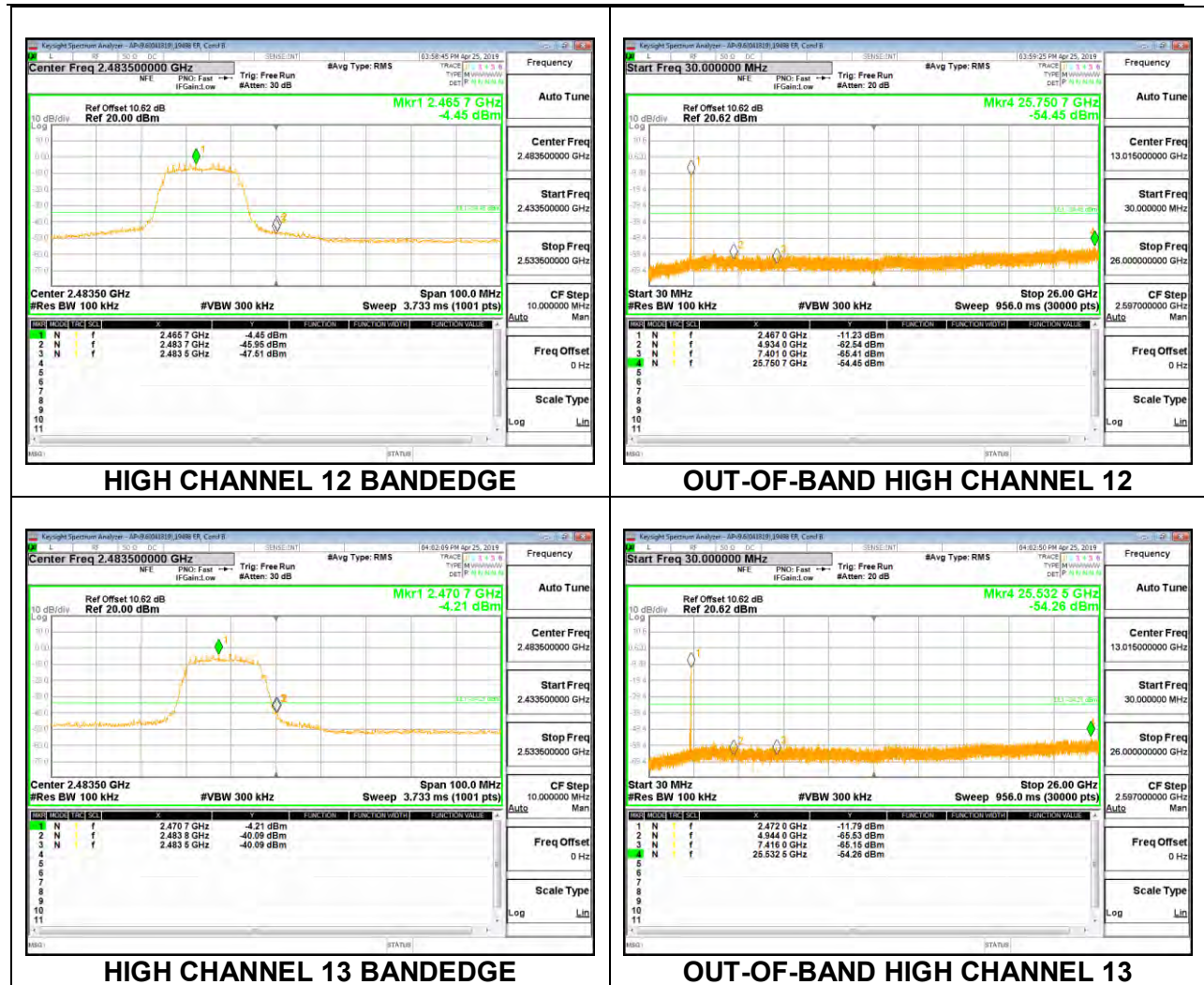
8.5.1. 802.11b MODE



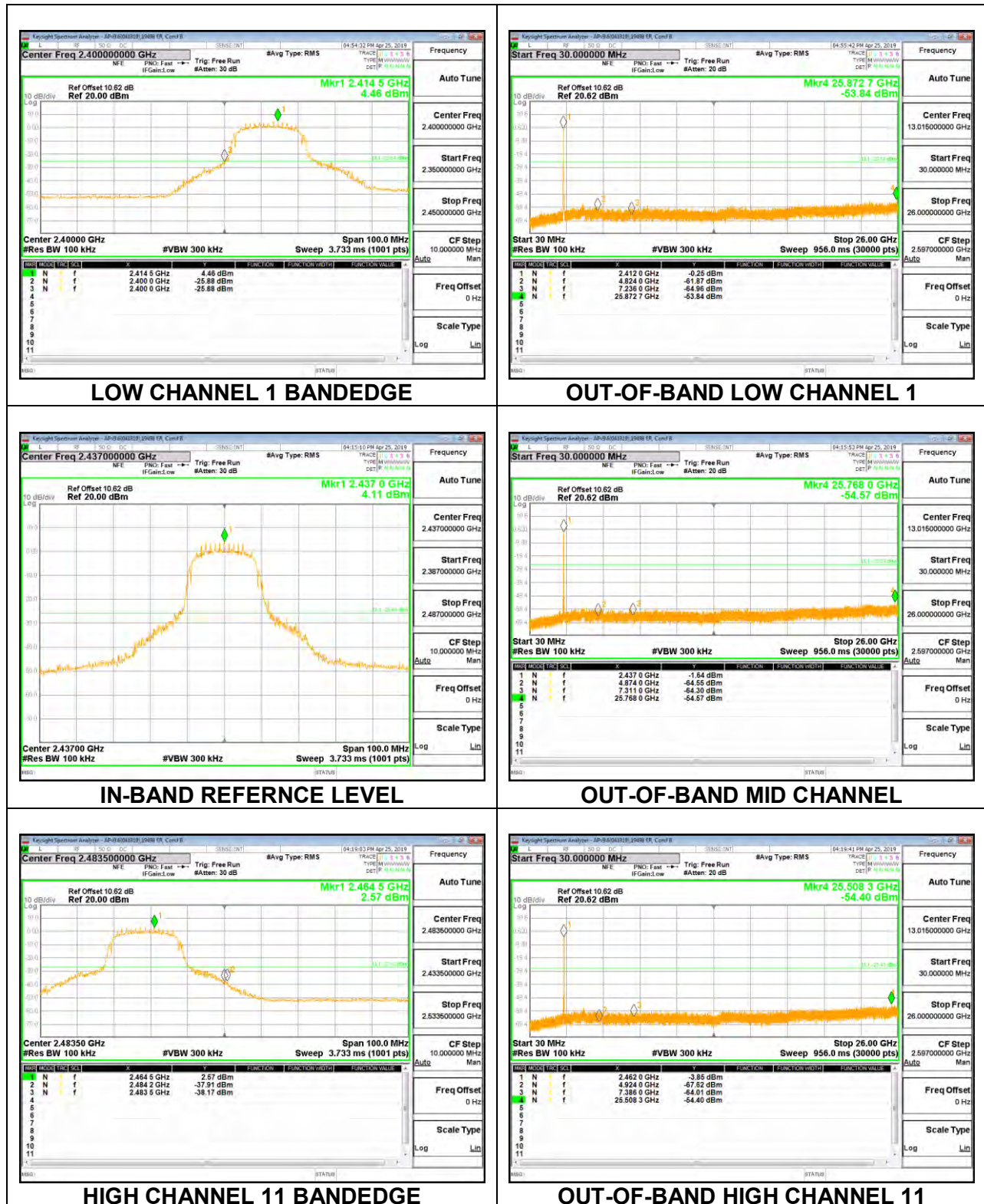


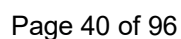
8.5.2. 802.11g MODE





8.5.3. 802.11n HT20 MODE





9. RADIATED TEST RESULTS

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.

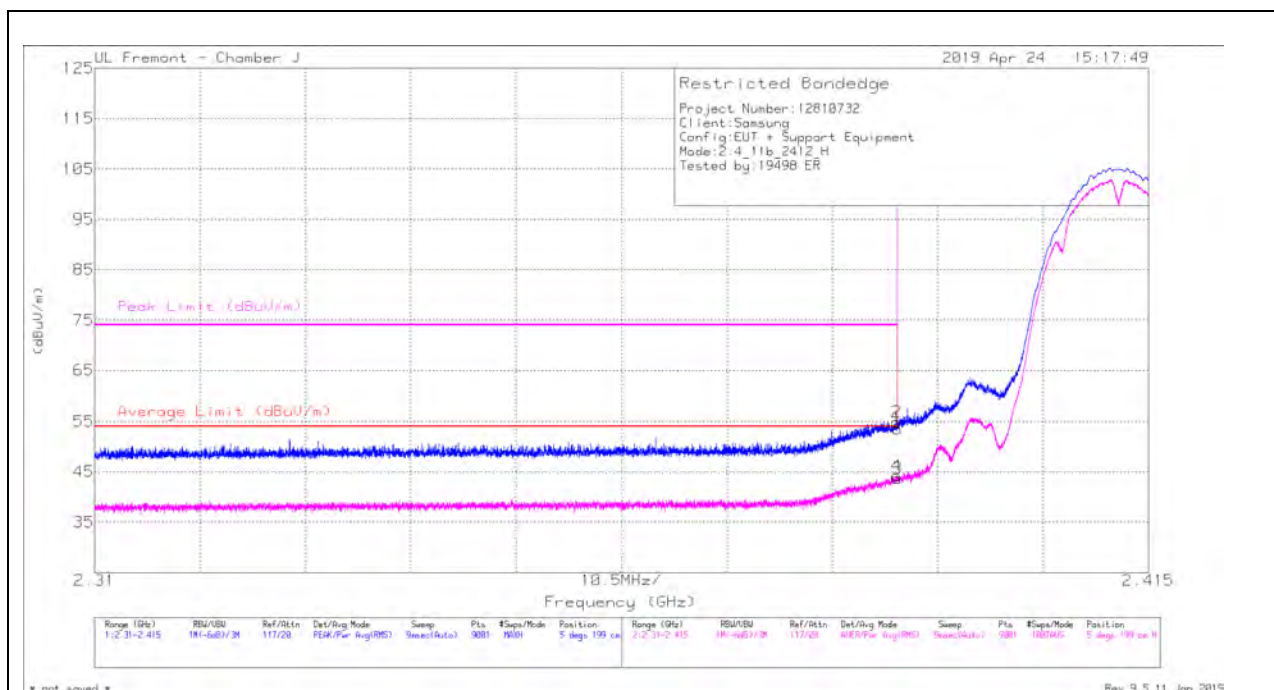
OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

9.1. TRANSMITTER ABOVE 1 GHz

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

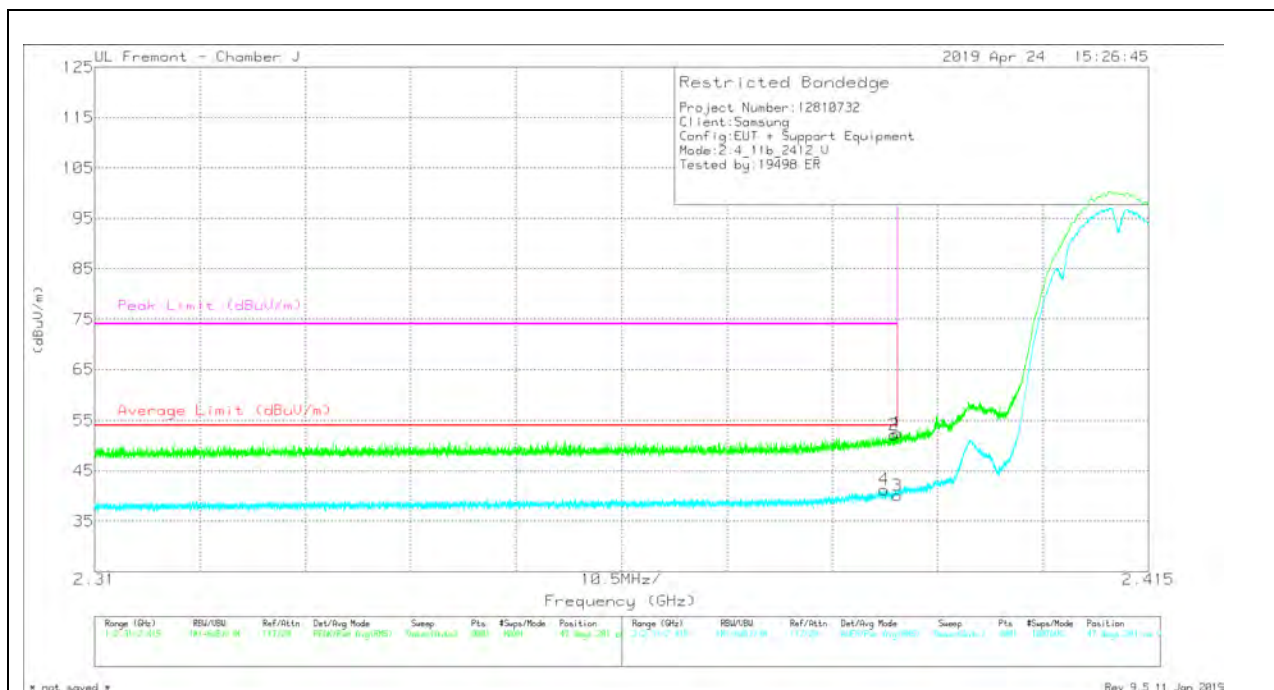
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.78	Pk	29.5	-25.8	53.48	-	-	74	-20.52	5	199	H
2	* 2.39	51.2	Pk	29.5	-25.8	54.9	-	-	74	-19.1	5	199	H
3	* 2.39	40.02	RMS	29.5	-25.8	43.72	54	-10.28	-	-	5	199	H
4	* 2.39	40.55	RMS	29.5	-25.8	44.25	54	-9.75	-	-	5	199	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 PRE0189055 (dB/m)	Amp/Cbl/Ftr/Pad (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	48.77	Pk	29.5	-25.8	52.47	-	-	74	-21.53	47	281	V
2	*2.39	48.45	Pk	29.5	-25.8	52.15	-	-	74	-21.85	47	281	V
3	*2.39	36.43	RMS	29.5	-25.8	40.13	54	-13.87	-	-	47	281	V
4	*2.389	37.59	RMS	29.5	-25.8	41.29	54	-12.71	-	-	47	281	V

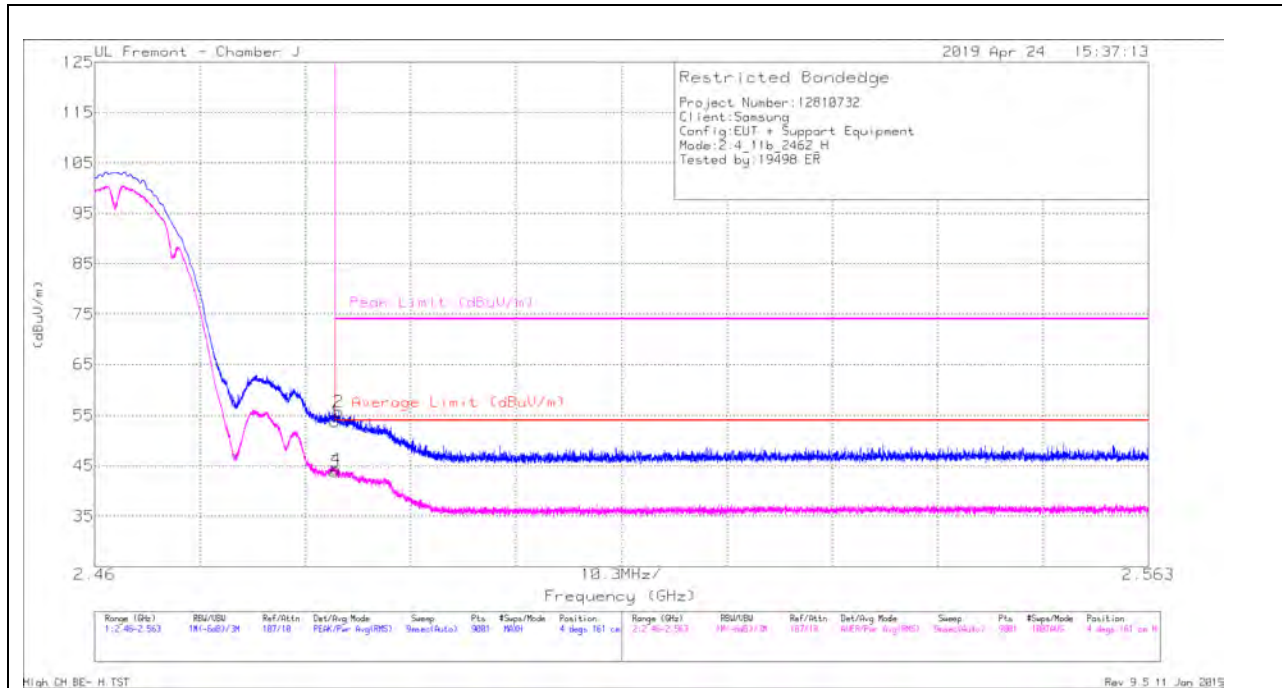
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

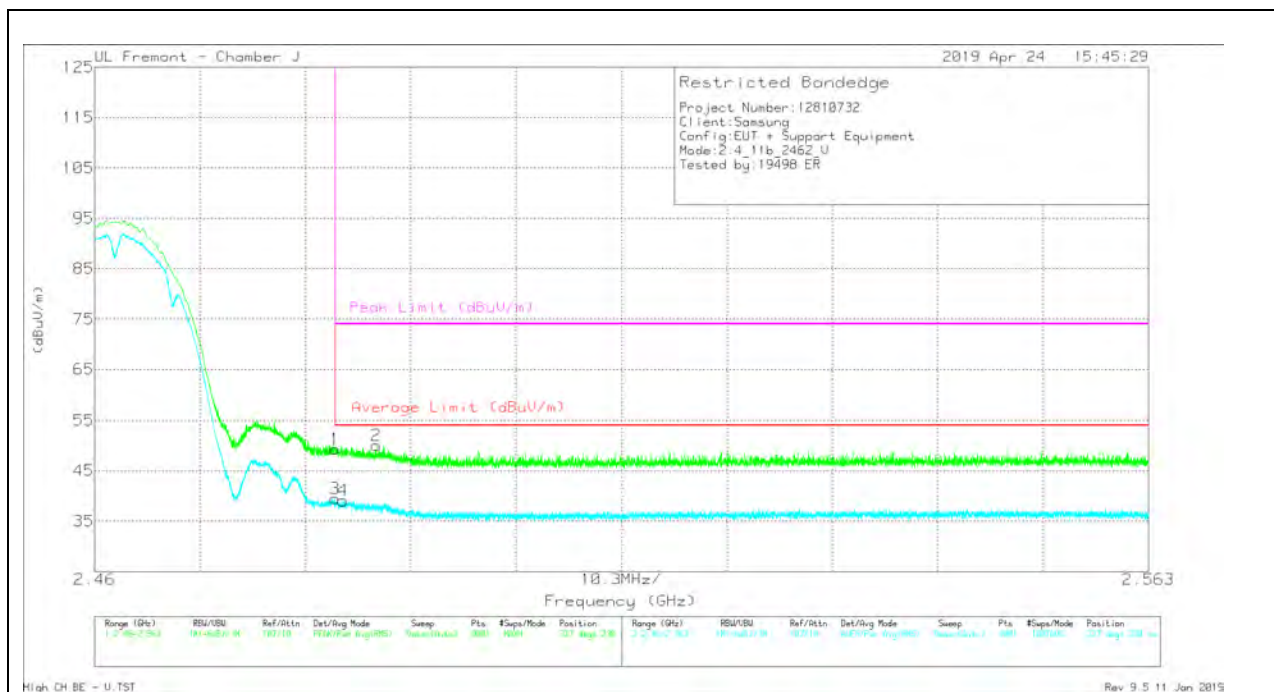
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.72	Pk	29.9	-25.8	53.82	-	-	74	-20.18	4	161	H
2	* 2.484	51.6	Pk	29.9	-25.8	55.7	-	-	74	-18.3	4	161	H
3	* 2.484	39.76	RMS	29.9	-25.8	43.86	54	-10.14	-	-	4	161	H
4	* 2.484	40.23	RMS	29.9	-25.8	44.33	54	-9.67	-	-	4	161	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 PRE0189055 (dB/m)	Amp/Cbl/Filt/Pad (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	45.18	Pk	29.9	-25.8	49.28	-	-	74	-24.72	327	230	V
2	* 2.488	45.89	Pk	29.9	-25.7	50.09	-	-	74	-23.91	327	230	V
3	* 2.484	35.43	RMS	29.9	-25.8	39.53	54	-14.47	-	-	327	230	V
4	* 2.484	34.96	RMS	29.9	-25.8	39.06	54	-14.94	-	-	327	230	V

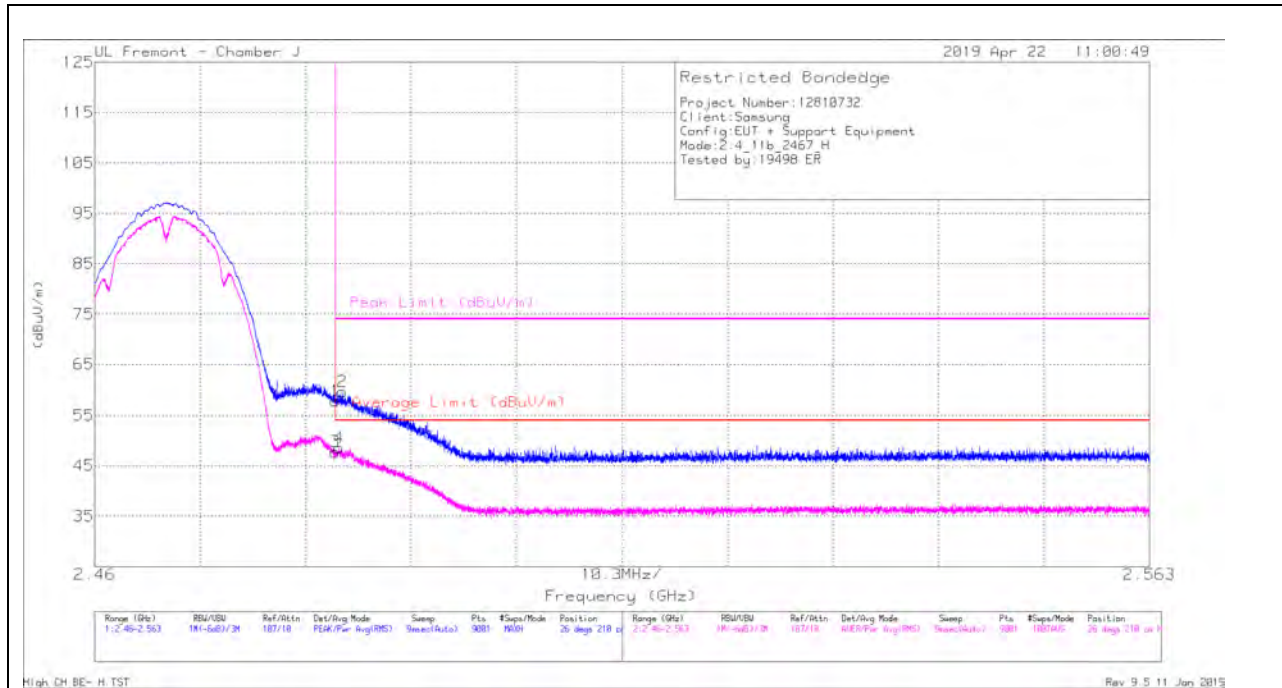
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Trace Markers

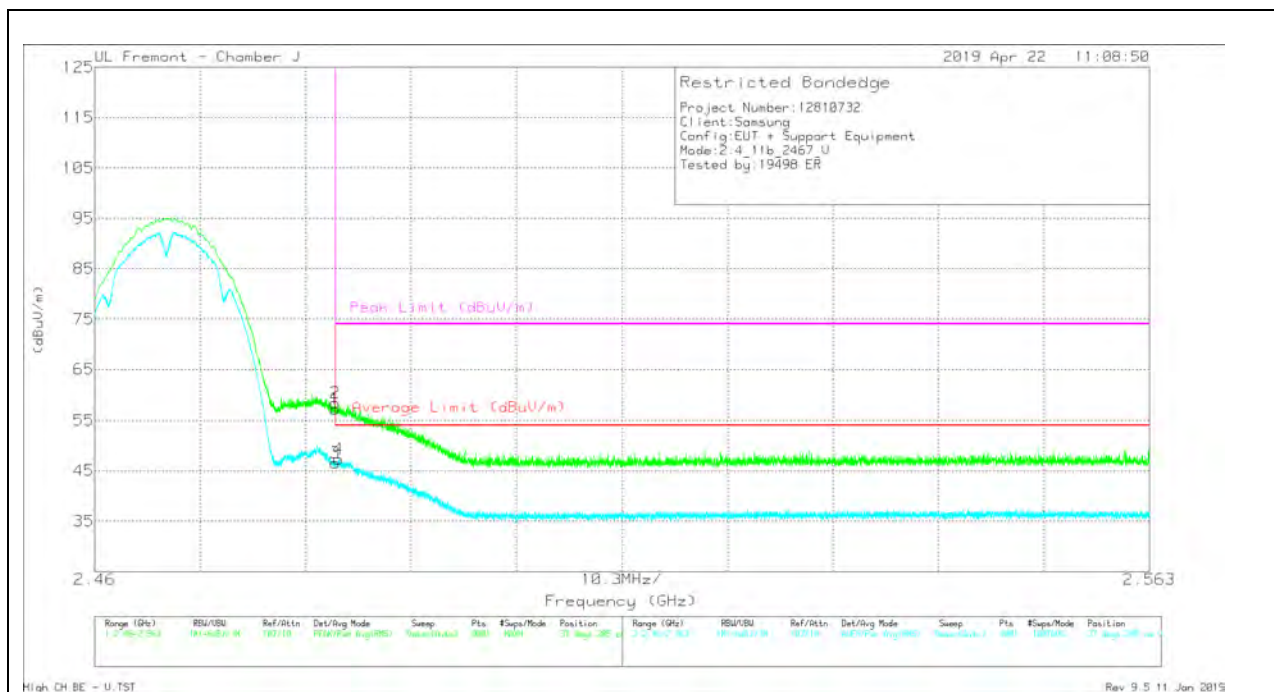
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.75	Pk	29.9	-25.8	57.85	-	-	74	-16.15	26	210	H
2	* 2.484	55.65	Pk	29.9	-25.8	59.75	-	-	74	-14.25	26	210	H
3	* 2.484	43.65	RMS	29.9	-25.8	47.75	54	-6.25	-	-	26	210	H
4	* 2.484	44.45	RMS	29.9	-25.8	48.55	54	-5.45	-	-	26	210	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 PRE0189055 (dB/m)	Amp/Cbl/Filt/Pad (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	53.19	Pk	29.9	-25.8	57.29	-	-	74	-16.71	37	285	V
2	* 2.484	54.36	Pk	29.9	-25.8	58.46	-	-	74	-15.54	37	285	V
3	* 2.484	42.48	RMS	29.9	-25.8	46.58	54	-7.42	-	-	37	285	V
4	* 2.484	43.2	RMS	29.9	-25.8	47.3	54	-6.7	-	-	37	285	V

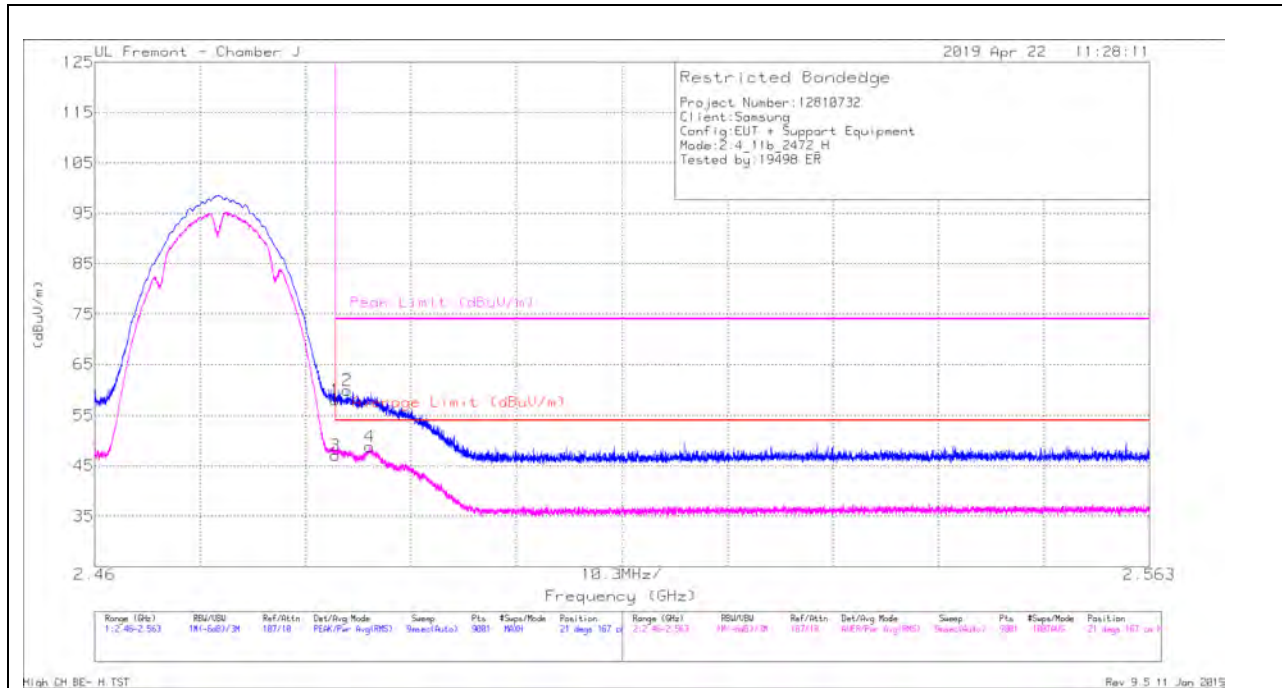
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Trace Markers

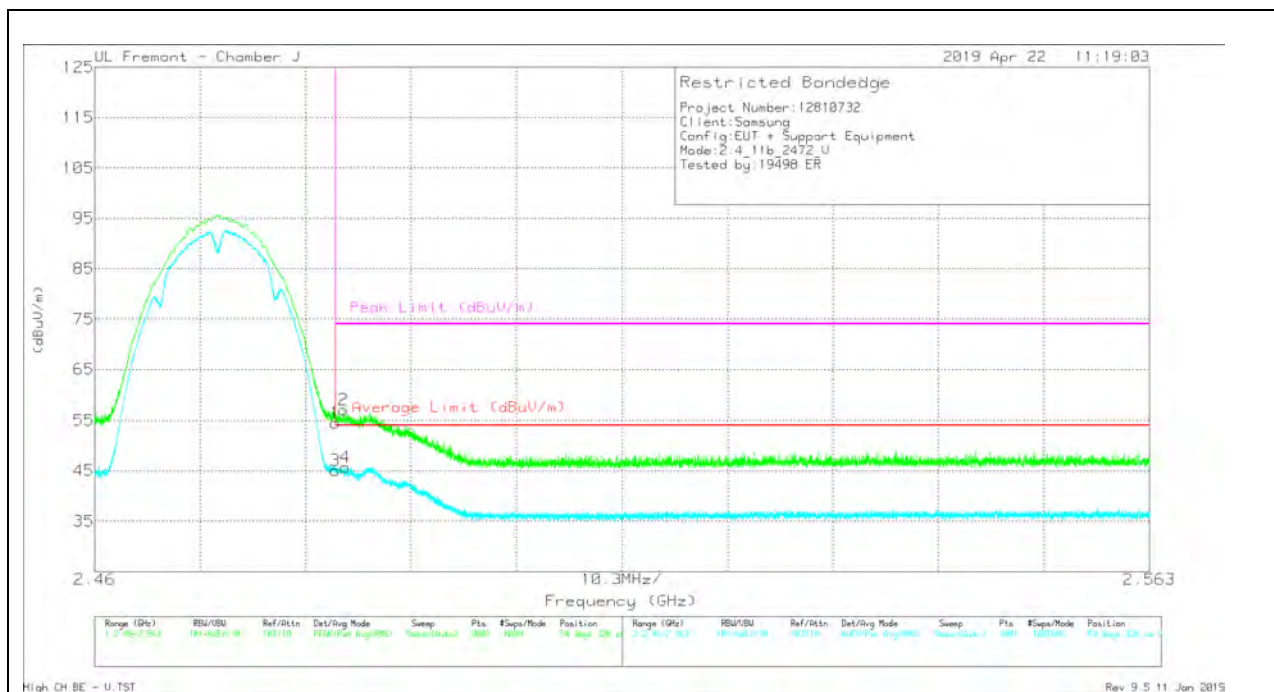
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	53.96	Pk	29.9	-25.8	58.06	-	-	74	-15.94	21	167	H
2	* 2.485	55.89	Pk	29.9	-25.8	59.99	-	-	74	-14.01	21	167	H
3	* 2.484	43	RMS	29.9	-25.8	47.1	54	-6.9	-	-	21	167	H
4	* 2.487	44.62	RMS	29.9	-25.7	48.82	54	-5.18	-	-	21	167	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 PRE0189055 (dB/m)	Amp/Cbl/Filt/Pad (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	50.47	Pk	29.9	-25.8	54.57	-	-	74	-19.43	54	326	V
2	* 2.484	53	Pk	29.9	-25.8	57.1	-	-	74	-16.9	54	326	V
3	* 2.484	41.03	RMS	29.9	-25.8	45.13	54	-8.87	-	-	54	326	V
4	* 2.485	41.65	RMS	29.9	-25.8	45.75	54	-8.25	-	-	54	326	V

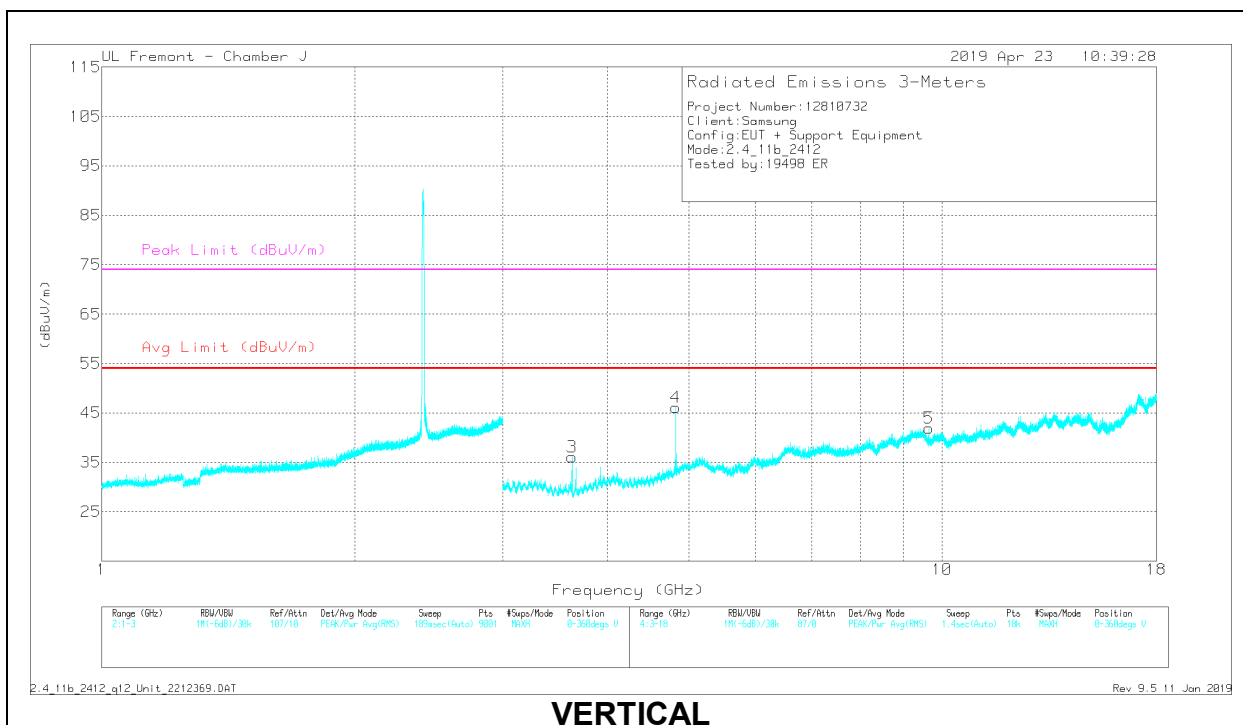
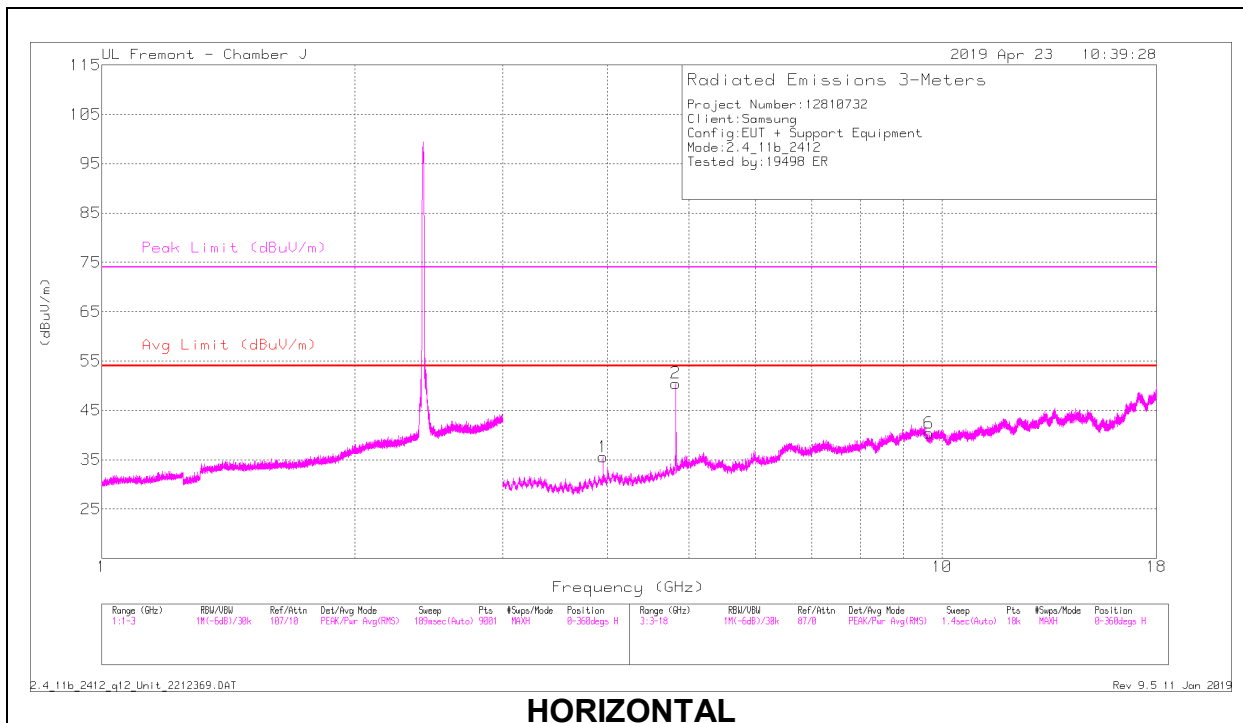
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

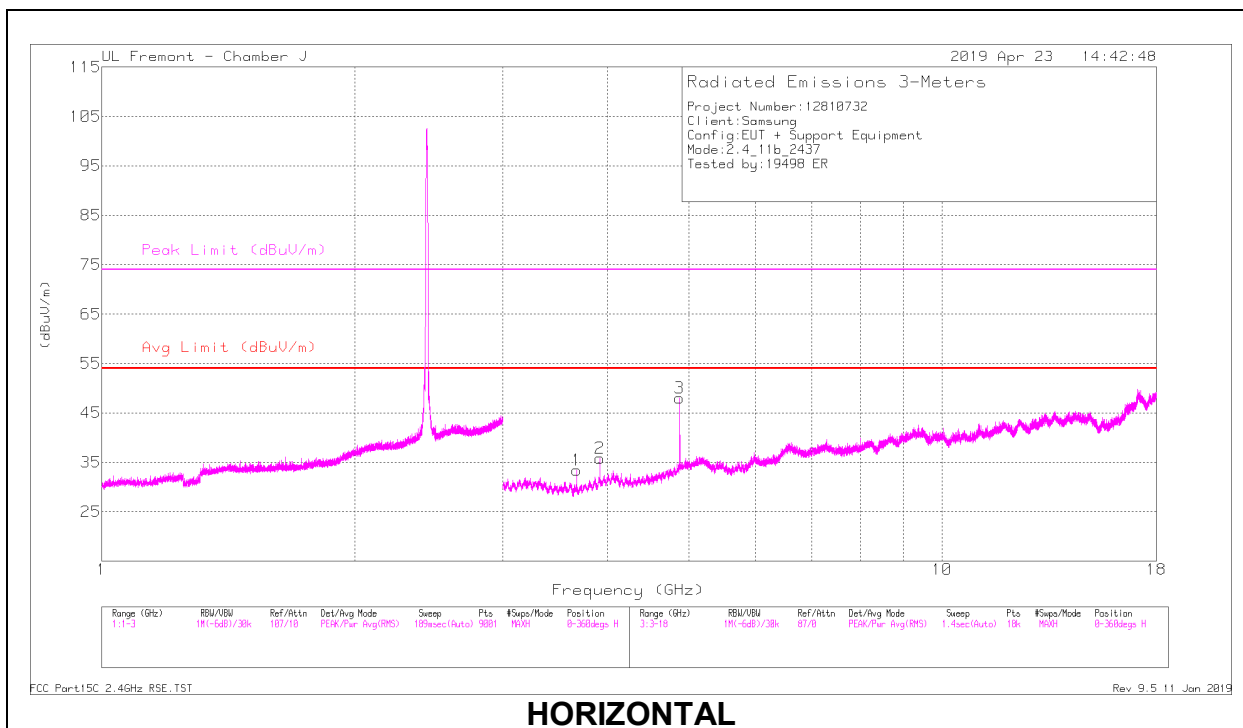
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	49.53	PK2	34.1	-31.5	52.13	-	-	74	-21.87	350	106	H
	* 4.824	47.36	MAv1	34.1	-31.5	49.96	54	-4.04	-	-	350	106	H
2	* 3.913	41.25	PK2	32.1	-32.5	40.85	-	-	74	-33.15	228	120	H
	* 3.907	30.35	MAv1	32.1	-32.5	29.95	54	-24.05	-	-	228	120	H
6	9.648	33.67	PK2	39	-25	47.67	-	-	-	-	28	148	H
3	* 4.824	50.44	PK2	34.1	-31.5	53.04	-	-	74	-20.96	32	103	H
	* 4.824	48.72	MAv1	34.1	-31.5	51.32	54	-2.68	-	-	32	103	H
4	* 4.824	47.05	PK2	34.1	-31.5	49.65	-	-	74	-24.35	155	103	V
	* 4.824	44.14	MAv1	34.1	-31.5	46.74	54	-7.26	-	-	155	103	V
5	* 3.629	39.94	PK2	30.3	-32.6	37.64	-	-	74	-36.36	176	154	V

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

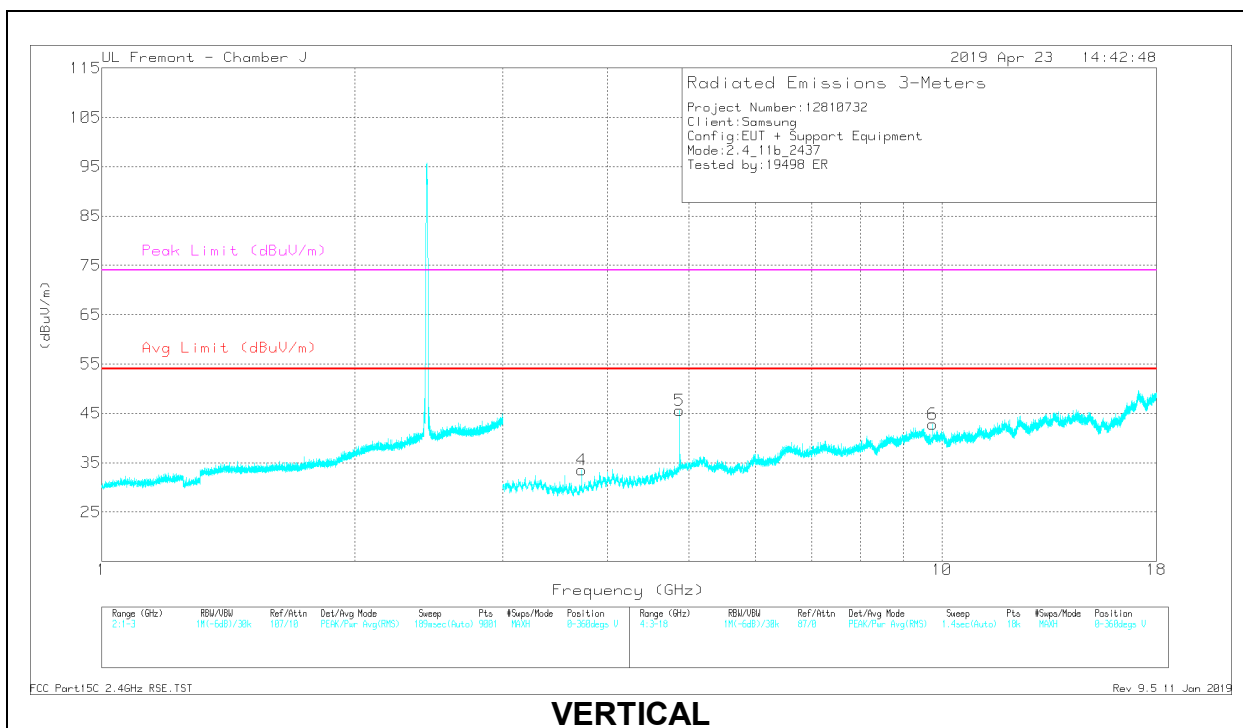
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

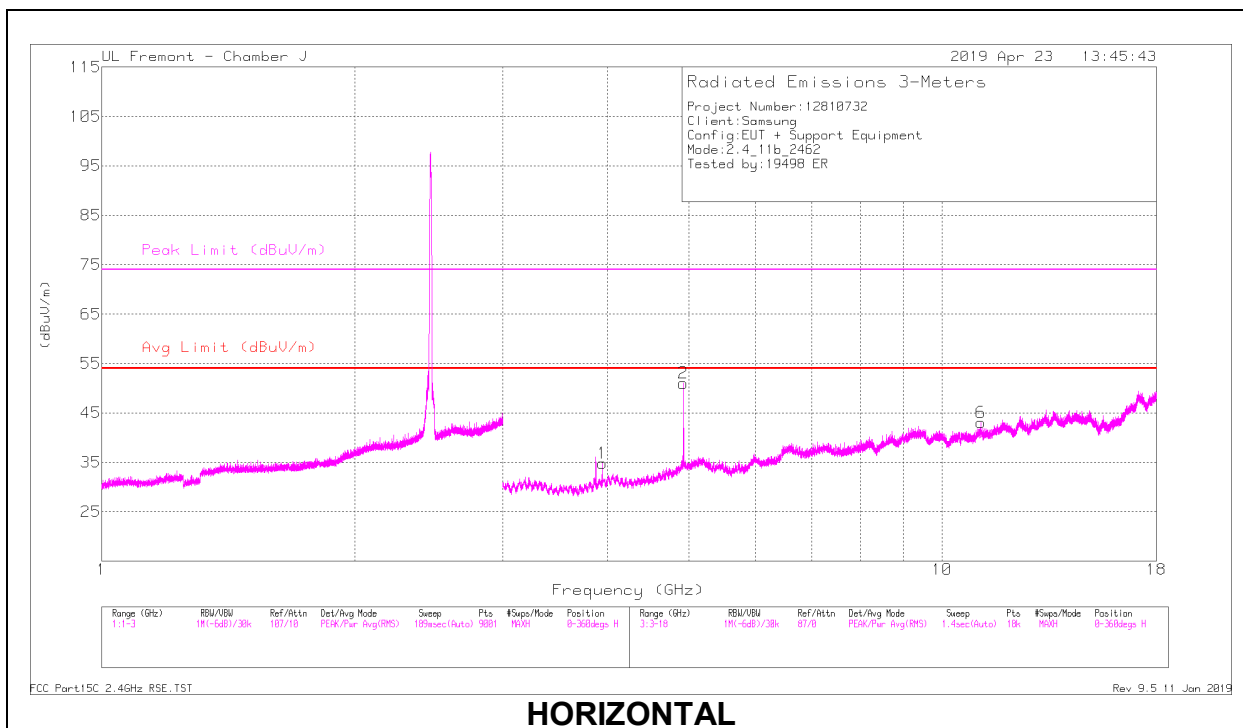
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.874	48.84	PK2	34.4	-31.4	51.84	-	-	74	-22.16	225	113	H
	* 4.874	46.16	MAv1	34.4	-31.4	49.16	54	-4.84	-	-	225	113	H
2	* 3.677	39.45	PK2	30.4	-32.7	37.15	-	-	74	-36.85	116	143	H
	* 3.676	29.58	MAv1	30.4	-32.7	27.28	54	-26.72	-	-	116	143	H
3	* 3.919	39.72	PK2	32.2	-32.5	39.42	-	-	74	-34.58	32	115	H
	* 3.918	29.89	MAv1	32.1	-32.5	29.49	54	-24.51	-	-	32	115	H
4	* 4.874	45.36	PK2	34.4	-31.4	48.36	-	-	74	-25.64	217	103	V
	* 4.874	41.88	MAv1	34.4	-31.4	44.88	54	-9.12	-	-	217	103	V
5	* 3.729	41.58	PK2	30.6	-33.1	39.08	-	-	74	-34.92	262	207	V
	* 3.726	30.57	MAv1	30.6	-33.1	28.07	54	-25.93	-	-	262	207	V
6	9.746	34.85	PK2	38.8	-24.3	49.35	-	-	-	-	280	113	V

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

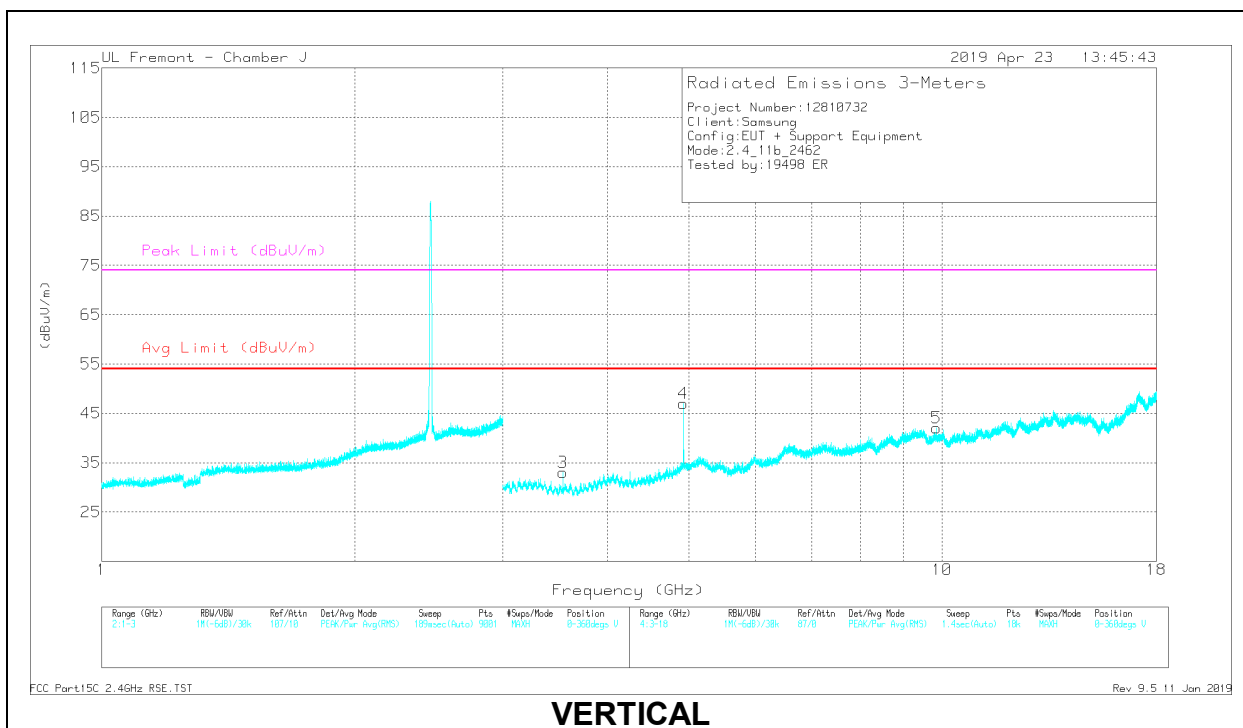
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.924	49.43	PK2	34.6	-30.9	53.13	-	-	74	-20.87	356	131	H
	* 4.924	47.27	MAv1	34.6	-30.9	50.97	54	-3.03	-	-	356	131	H
2	* 3.942	39.48	PK2	32.3	-32.5	39.28	-	-	74	-34.72	269	183	H
	* 3.94	29.2	MAv1	32.3	-32.5	29	54	-25	-	-	269	183	H
6	* 11.129	33.27	PK2	39.1	-23.3	49.07	-	-	74	-24.93	344	238	H
	* 11.127	24.15	MAv1	39.1	-23.3	39.95	54	-14.05	-	-	344	238	H
3	* 4.924	45.41	PK2	34.6	-30.9	49.11	-	-	74	-24.89	150	104	V
	* 4.924	41.69	MAv1	34.6	-30.9	45.39	54	-8.61	-	-	150	104	V
4	* 3.538	41.25	PK2	30.4	-33.5	38.15	-	-	74	-35.85	133	222	V
	* 3.539	31.02	MAv1	30.4	-33.5	27.92	54	-26.08	-	-	133	222	V
5	9.848	35.57	PK2	38.3	-24.5	49.37	-	-	-	-	286	116	V

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

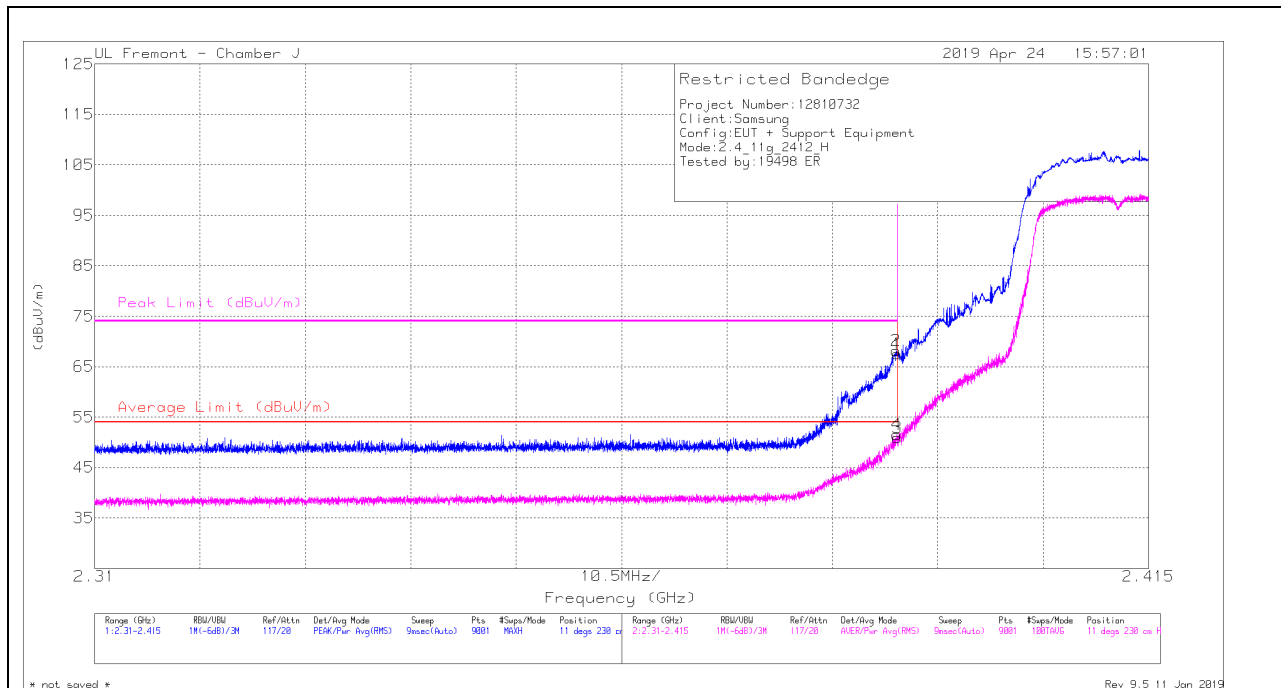
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

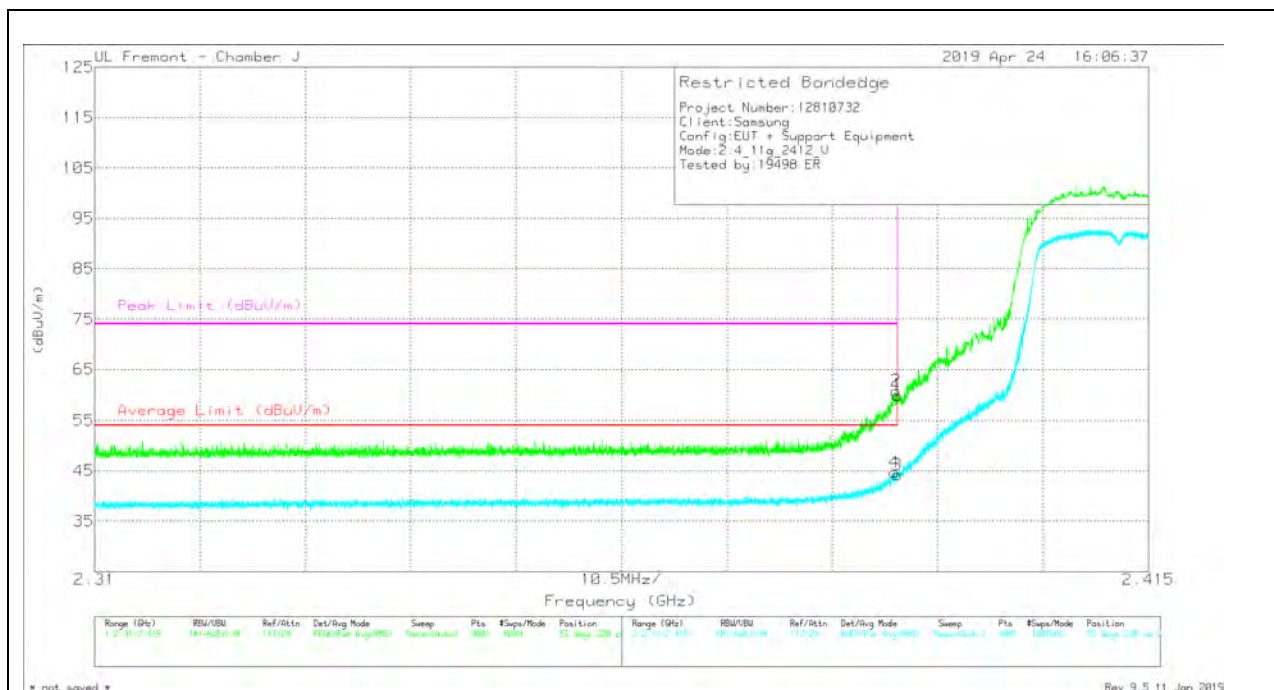
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/CbI/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	63.81	Pk	29.5	-25.8	0	67.51	-	-	74	-6.49	11	230	H
2	*2.39	64.48	Pk	29.5	-25.8	0	68.18	-	-	74	-5.82	11	230	H
3	*2.39	46.85	RMS	29.5	-25.8	.34	50.89	54	-3.11	-	-	11	230	H
4	*2.39	47.47	RMS	29.5	-25.8	.34	51.51	54	-2.49	-	-	11	230	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 PRE0189055 (dB/m)	Amp/CbI/Filt/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	*2.39	56.26	Pk	29.5	-25.8	0	59.96	-	-	74	-14.04	52	220	V
2	*2.39	57.13	Pk	29.5	-25.8	0	60.83	-	-	74	-13.17	52	220	V
3	*2.39	40.16	RMS	29.5	-25.8	.34	44.2	54	-9.8	-	-	52	220	V
4	*2.39	40.72	RMS	29.5	-25.8	.34	44.76	54	-9.24	-	-	52	220	V

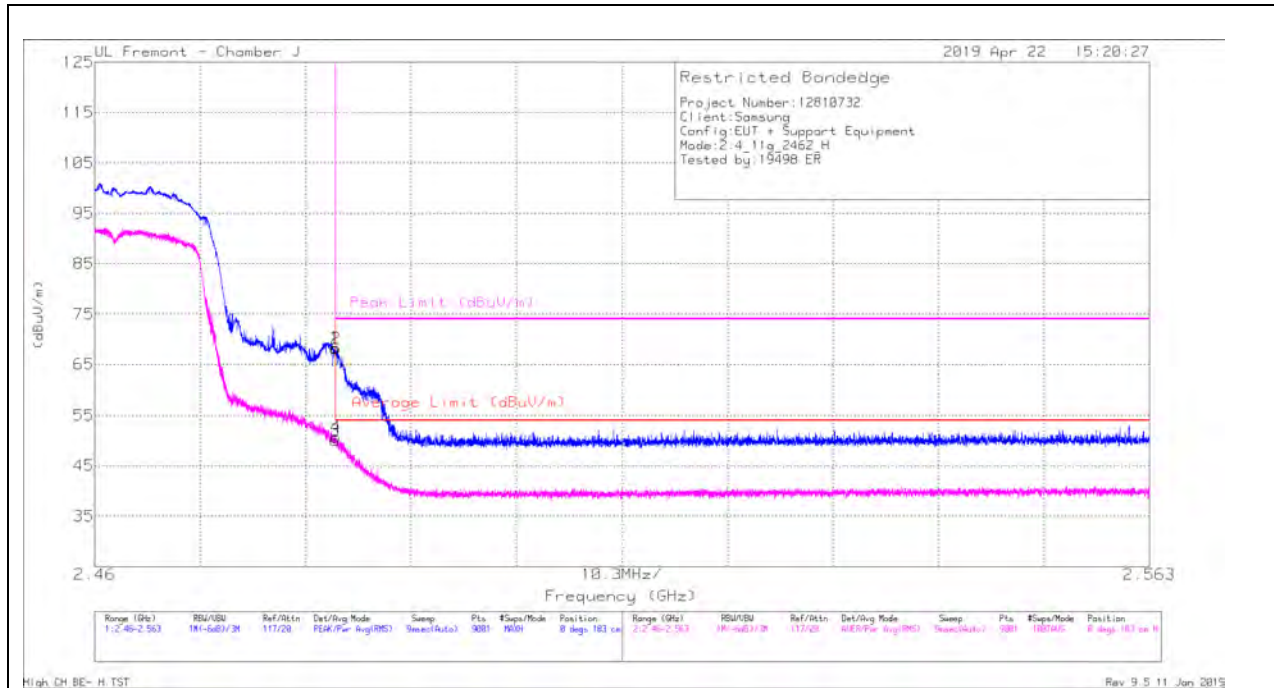
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

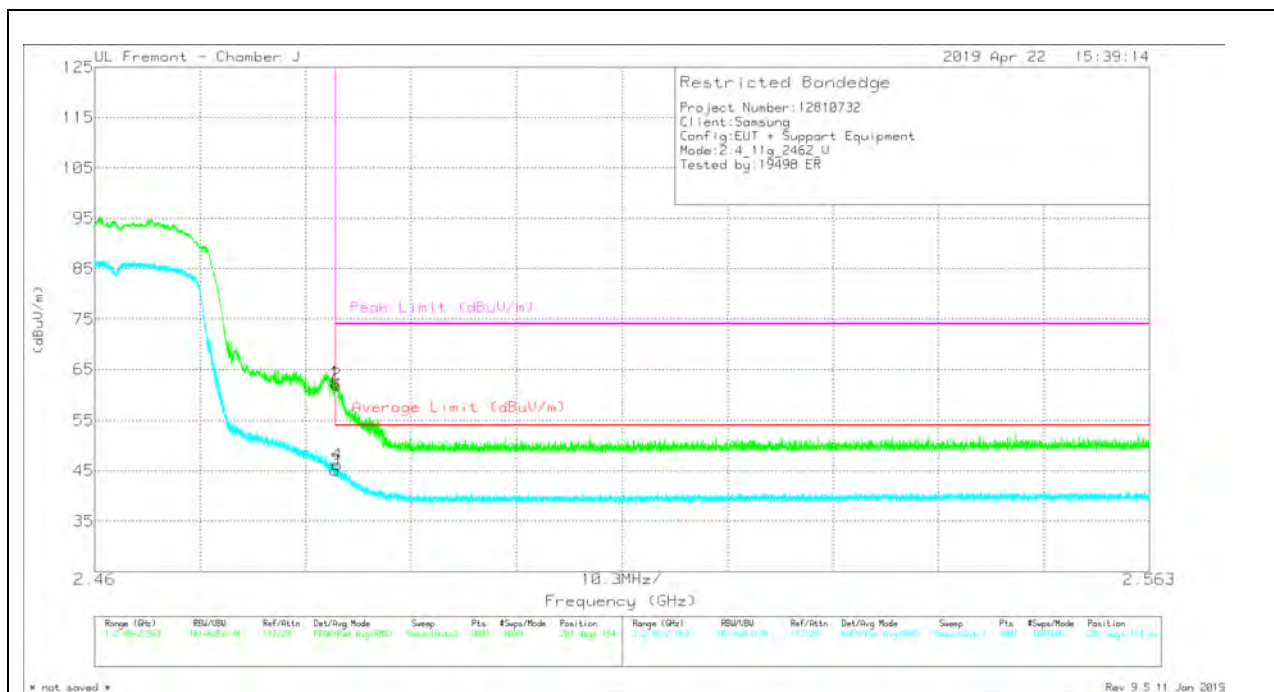
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	64.15	Pk	29.9	-25.8	0	68.25	-	-	74	-5.75	0	183	H
2	* 2.484	64.07	Pk	29.9	-25.8	0	68.17	-	-	74	-5.83	0	183	H
3	* 2.484	45.56	RMS	29.9	-25.8	.34	50	54	-4	-	-	0	183	H
4	* 2.484	46.18	RMS	29.9	-25.8	.34	50.62	54	-3.38	-	-	0	183	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 PRE0189055 (dB/m)	Amp/CbI/Ftr/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	* 2.484	58.36	Pk	29.9	-25.8	0	62.46	-	-	74	-11.54	201	154	V
2	* 2.484	58	Pk	29.9	-25.8	0	62.1	-	-	74	-11.9	201	154	V
3	* 2.484	40.63	RMS	29.9	-25.8	.34	45.07	54	-8.93	-	-	201	154	V
4	* 2.484	41.75	RMS	29.9	-25.8	.34	46.19	54	-7.81	-	-	201	154	V

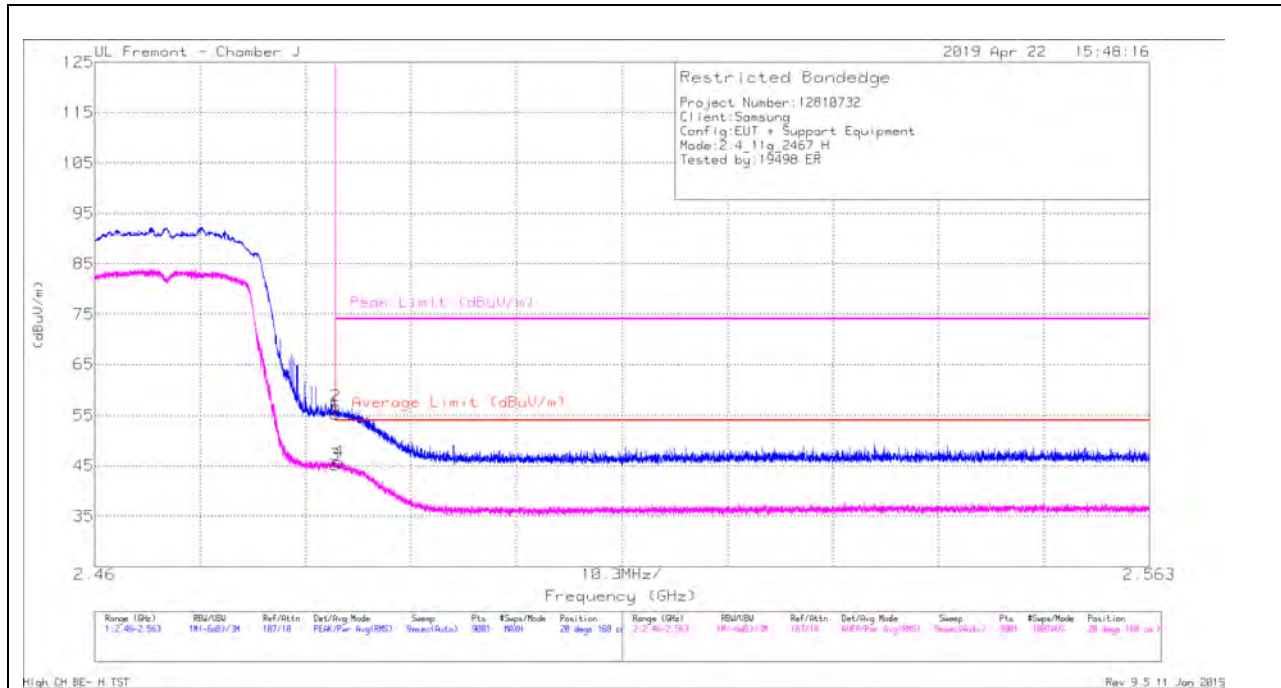
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Trace Markers

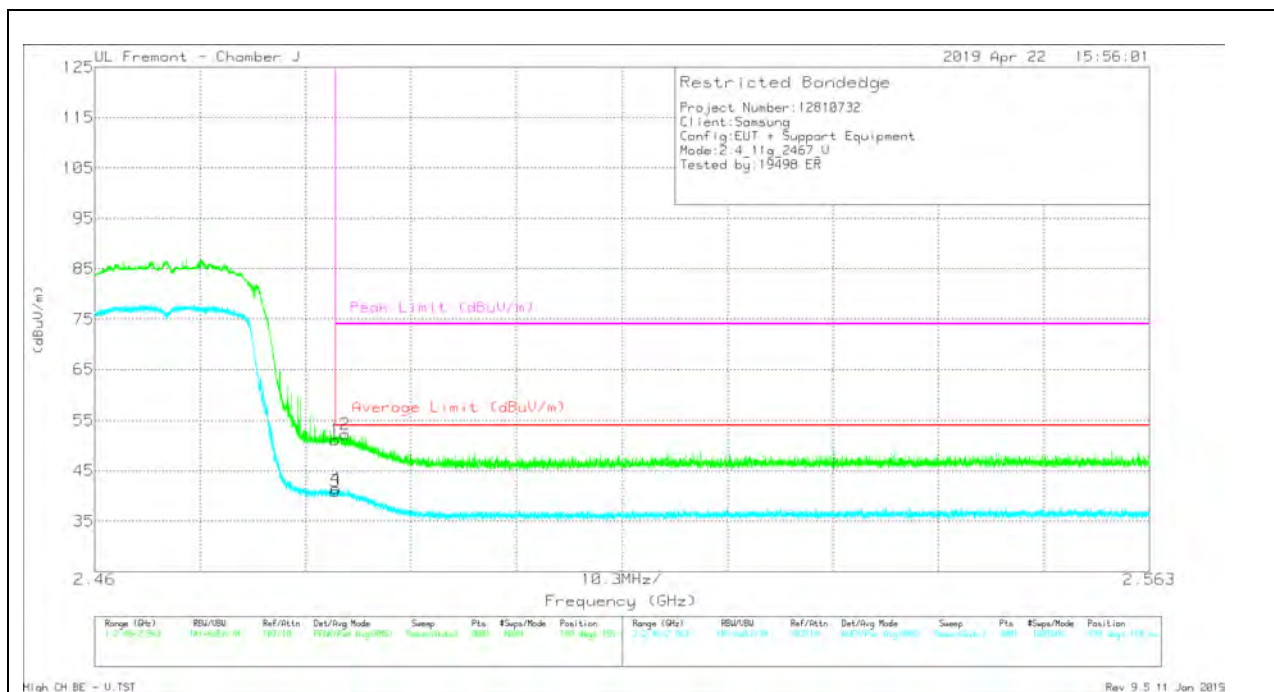
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/CbI/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	51.19	Pk	29.9	-25.8	0	55.29	-	-	74	-18.71	20	168	H
2	* 2.484	52.75	Pk	29.9	-25.8	0	56.85	-	-	74	-17.15	20	168	H
3	* 2.484	40.77	RMS	29.9	-25.8	.34	45.21	54	-8.79	-	-	20	168	H
4	* 2.484	41.34	RMS	29.9	-25.8	.34	45.78	54	-8.22	-	-	20	168	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 PRE0189055 (dB/m)	Amp/CbI/Ftr/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	* 2.484	47.03	Pk	29.9	-25.8	0	51.13	-	-	74	-22.87	199	159	V
2	* 2.484	48.17	Pk	29.9	-25.8	0	52.27	-	-	74	-21.73	199	159	V
3	* 2.484	36.5	RMS	29.9	-25.8	.34	40.94	54	-13.06	-	-	199	159	V
4	* 2.484	37.06	RMS	29.9	-25.8	.34	41.5	54	-12.5	-	-	199	159	V

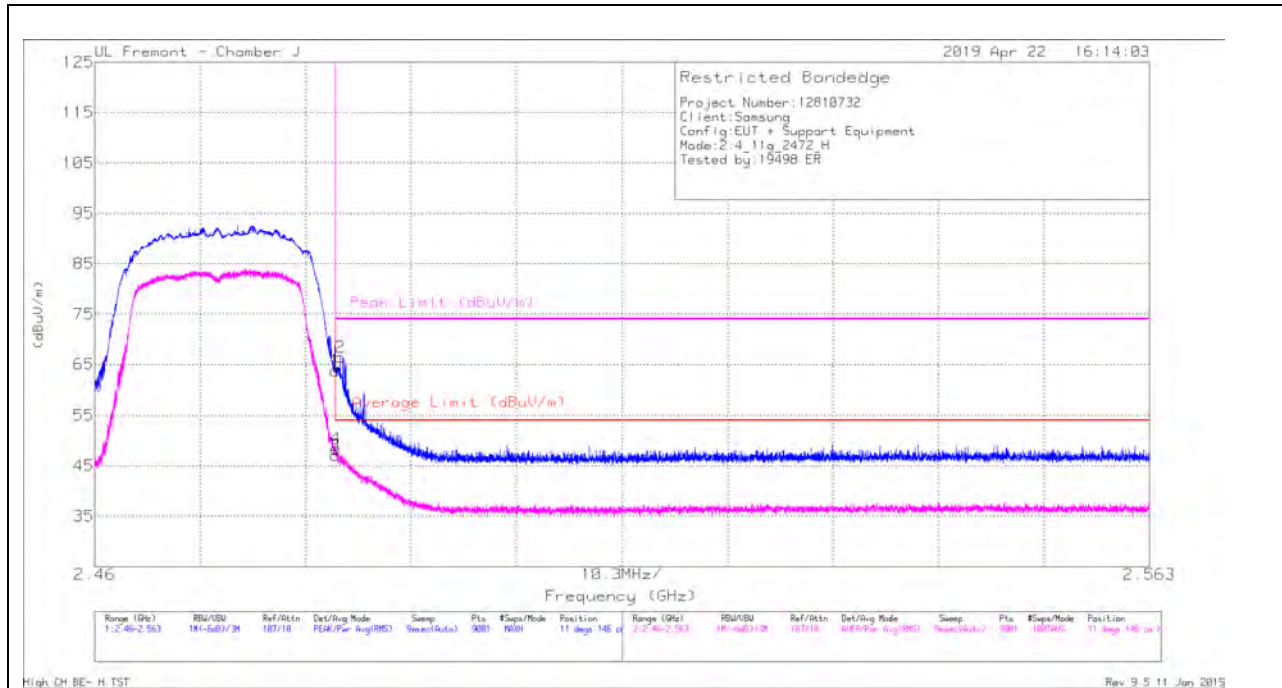
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Trace Markers

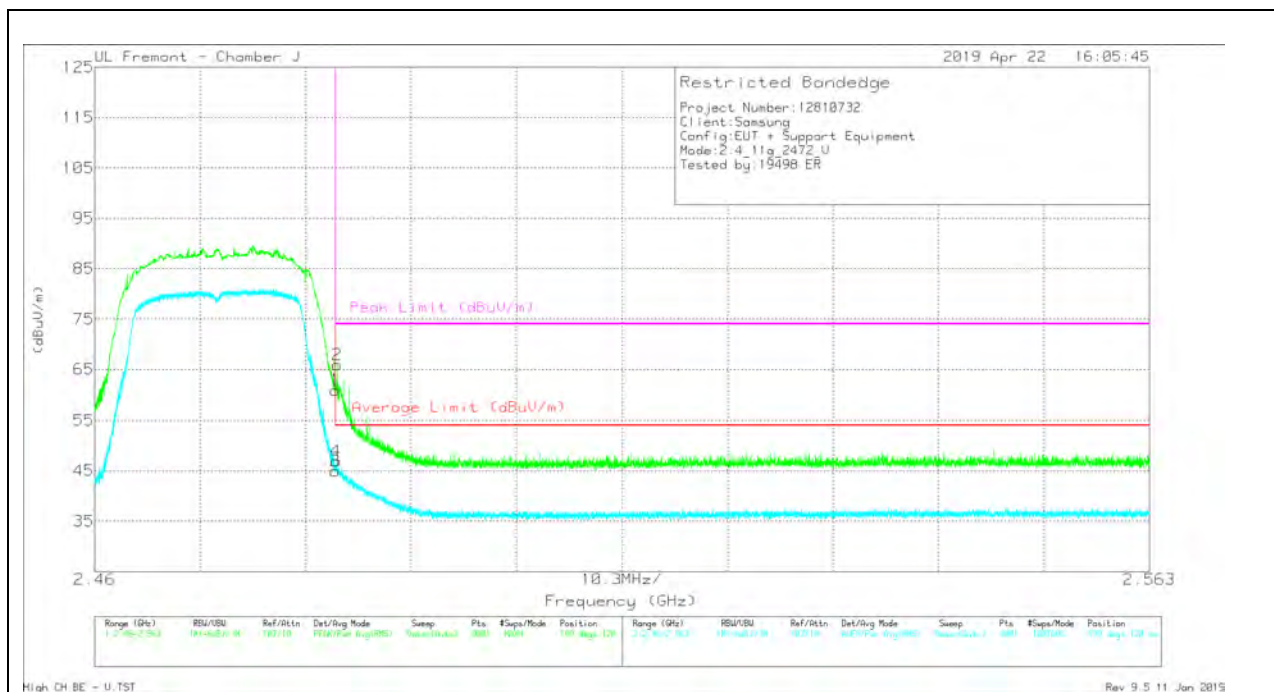
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/CbI/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	59.72	Pk	29.9	-25.8	0	63.82	-	-	74	-10.18	11	146	H
2	* 2.484	62.29	Pk	29.9	-25.8	0	66.39	-	-	74	-7.61	11	146	H
3	* 2.484	42.6	RMS	29.9	-25.8	.34	47.04	54	-6.96	-	-	11	146	H
4	* 2.484	43.98	RMS	29.9	-25.8	.34	48.42	54	-5.58	-	-	11	146	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 PRE0189055 (dB/m)	Amp/CbI/Filt/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	* 2.484	56.83	Pk	29.9	-25.8	0	60.93	-	-	74	-13.07	199	120	V
2	* 2.484	61.87	Pk	29.9	-25.8	0	65.97	-	-	74	-8.03	199	120	V
3	* 2.484	40.5	RMS	29.9	-25.8	.34	44.94	54	-9.06	-	-	199	120	V
4	* 2.484	42.53	RMS	29.9	-25.8	.34	46.97	54	-7.03	-	-	199	120	V

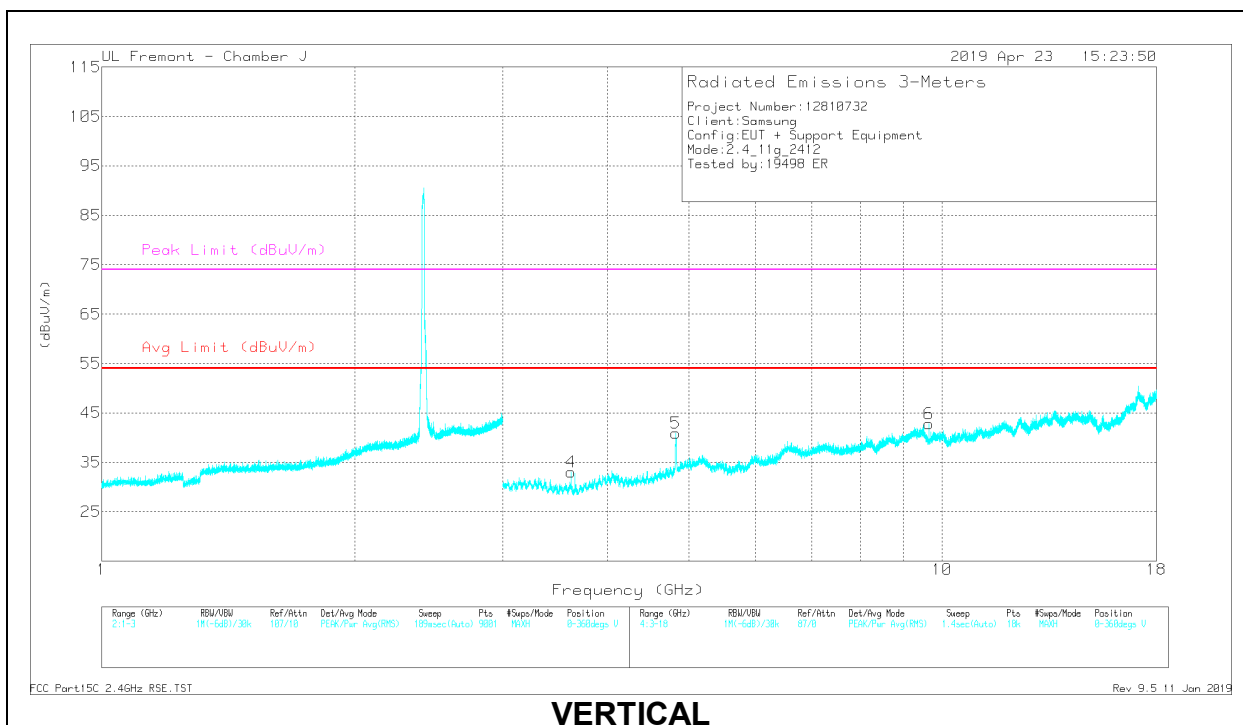
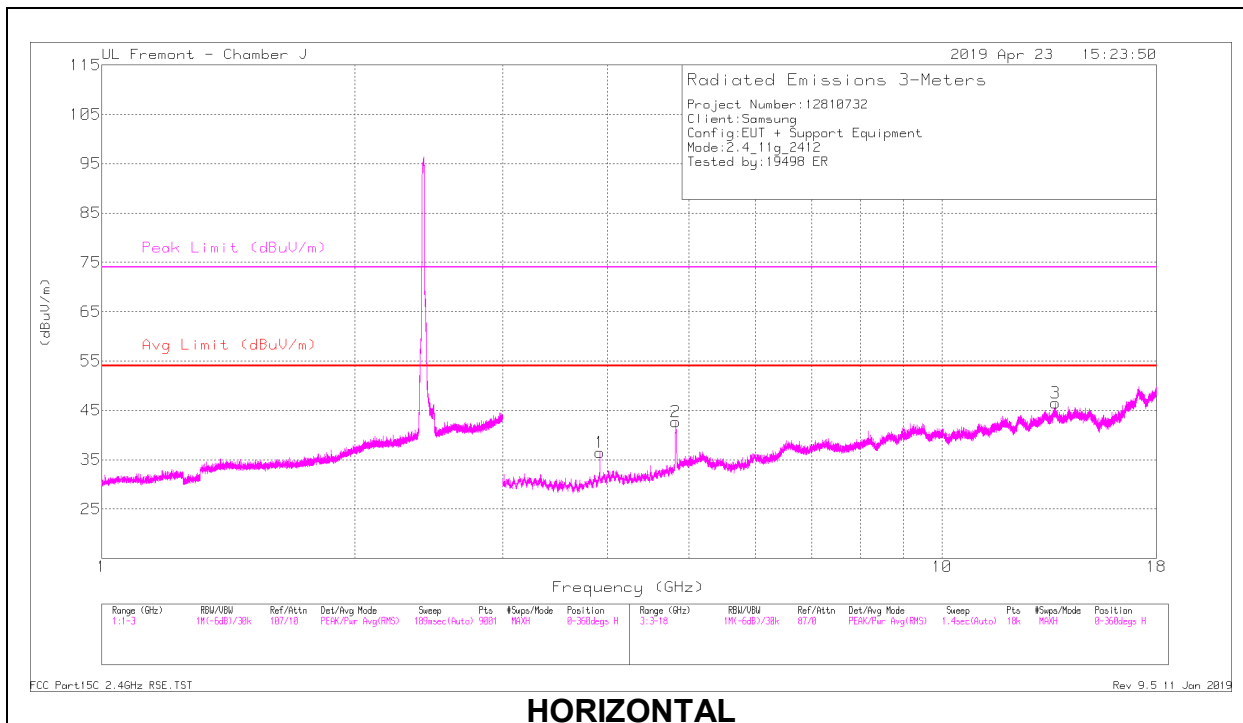
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

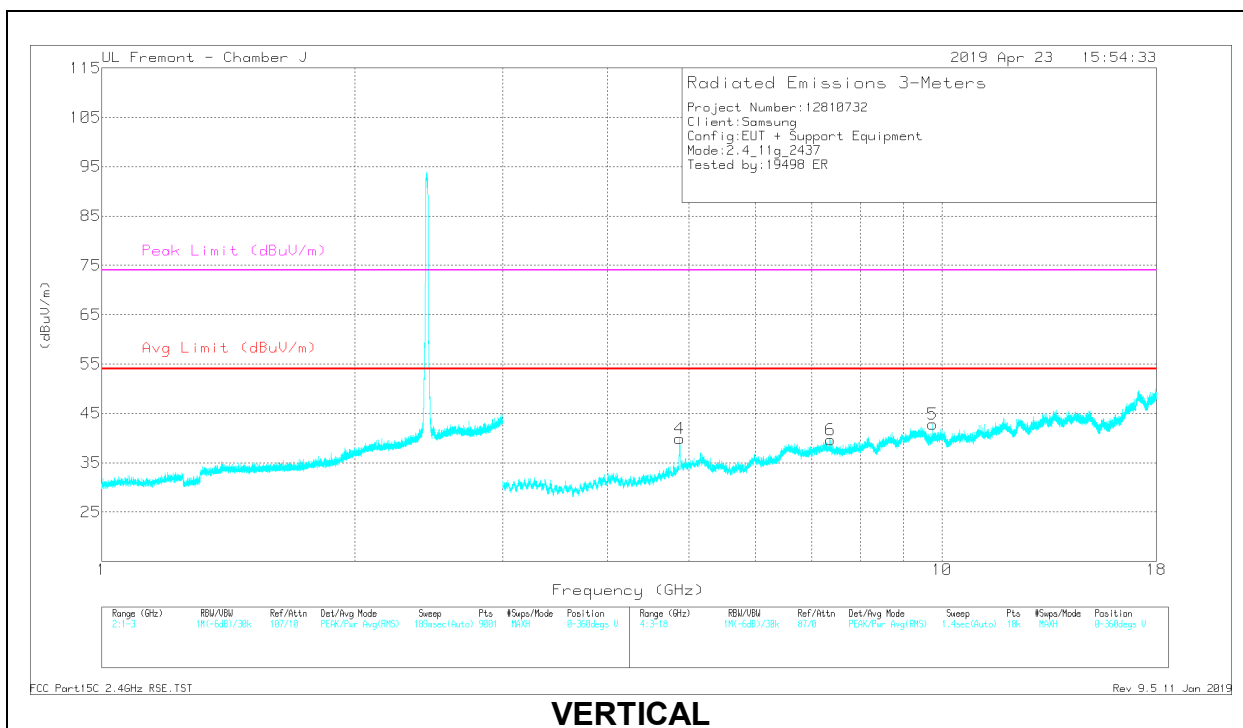
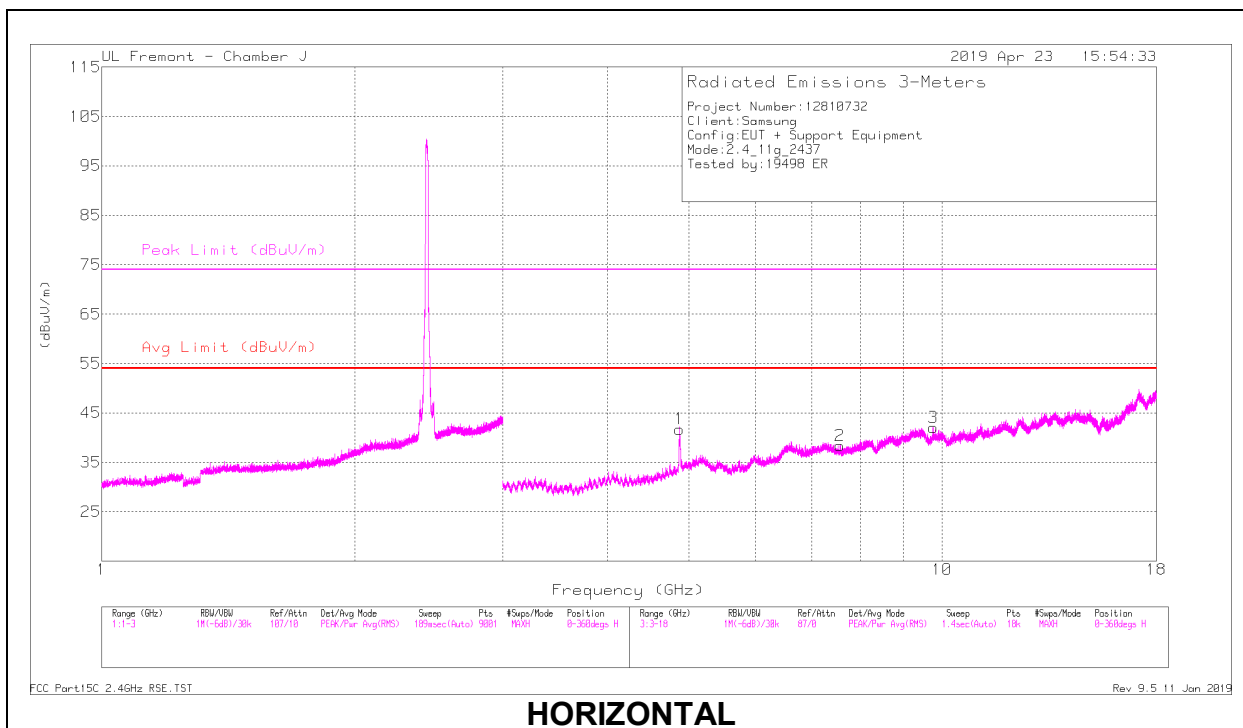
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.918	41.04	PK2	32.1	-32.5	0	40.64	-	-	74	-33.36	135	113	H
	* 3.918	30.12	MAv1	32.1	-32.5	.34	30.06	54	-23.94	-	-	135	113	H
2	* 4.82	51.35	PK2	34	-31.4	0	53.95	-	-	74	-20.05	356	147	H
	* 4.822	39.39	MAv1	34.1	-31.4	.34	42.43	54	-11.57	-	-	356	147	H
3	13.645	32.61	PK2	40.6	-20.9	0	52.31	-	-	-	-	268	104	H
4	* 3.62	40.14	PK2	30.3	-32.5	0	37.94	-	-	74	-36.06	243	181	V
	* 3.62	30.23	MAv1	30.3	-32.5	.34	28.37	54	-25.63	-	-	243	181	V
5	* 4.821	47.89	PK2	34	-31.4	0	50.49	-	-	74	-23.51	147	121	V
	* 4.823	37.14	MAv1	34.1	-31.4	.34	40.18	54	-13.82	-	-	147	121	V
6	9.648	35.37	PK2	39	-25	0	49.37	-	-	-	-	128	104	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, CH 6 RESULTS



RADIATED EMISSIONS

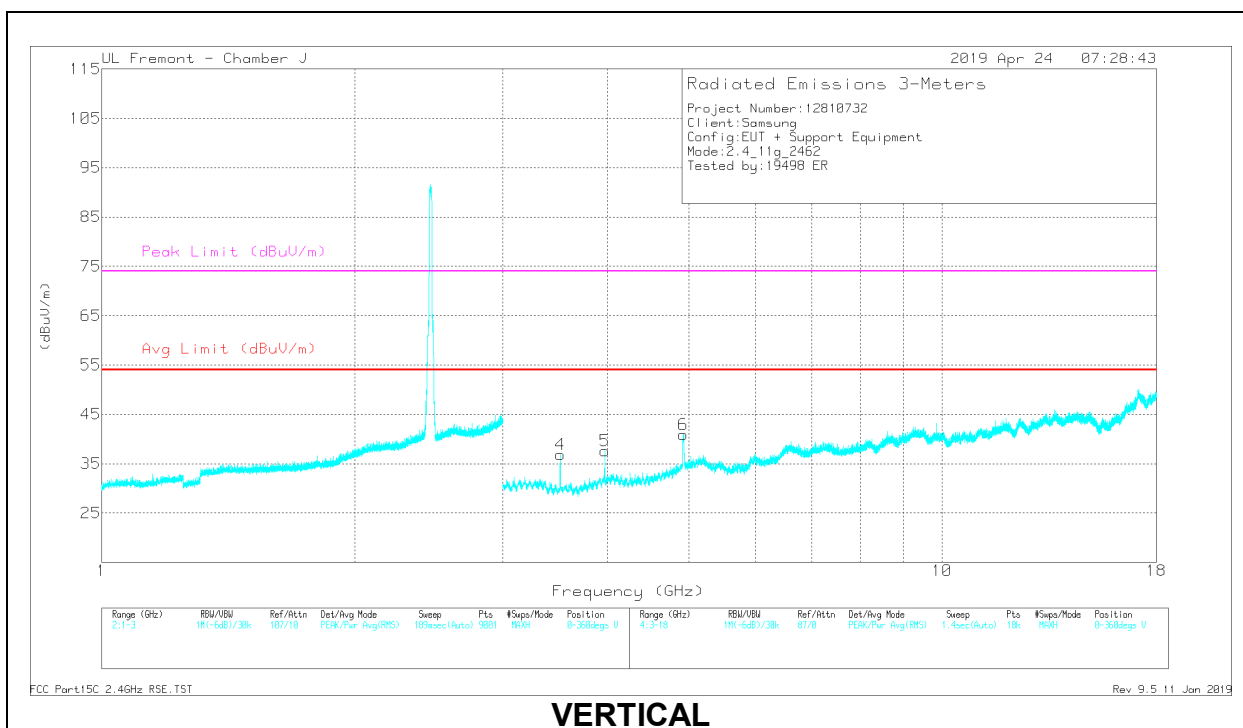
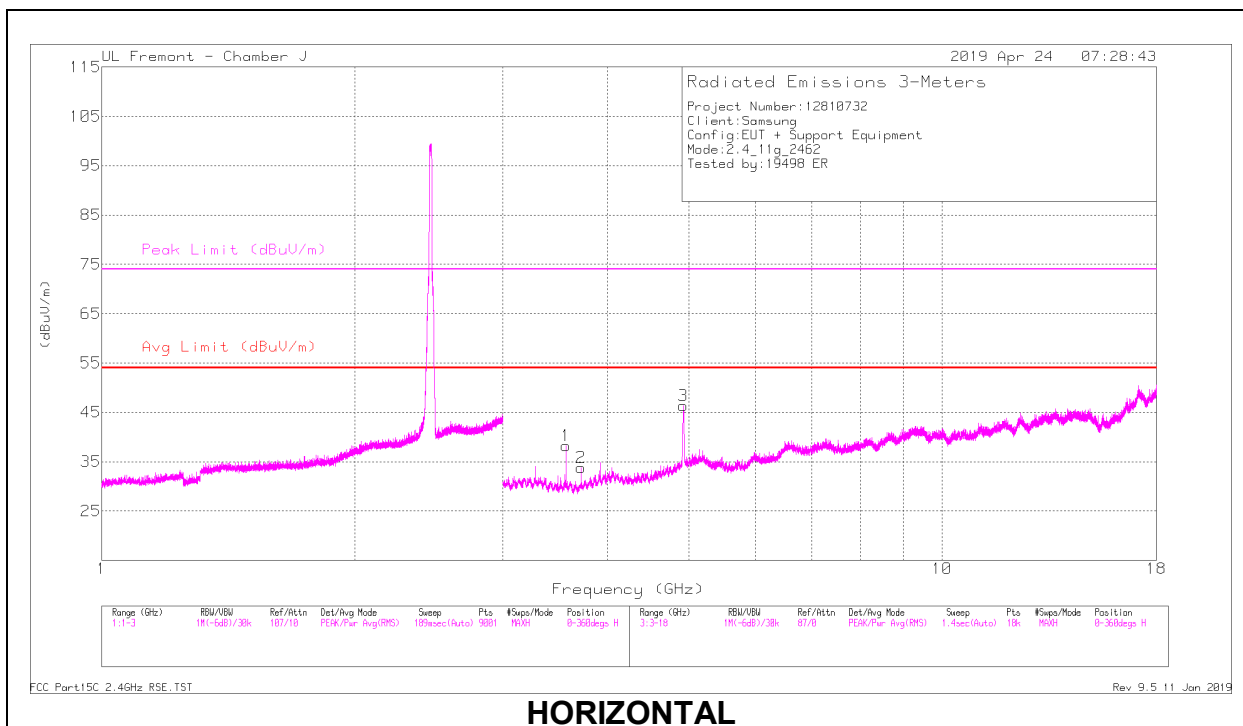
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.871	47.94	PK2	34.4	-31.5	0	50.84	-	-	74	-23.16	350	106	H
	* 4.871	36.24	MAv1	34.4	-31.5	.34	39.48	54	-14.52	-	-	350	106	H
2	* 7.563	35.24	PK2	37.4	-27.5	0	45.14	-	-	74	-28.86	229	167	H
	* 7.564	25.59	MAv1	37.4	-27.5	.34	35.83	54	-18.17	-	-	229	167	H
3	9.764	33.05	PK2	38.7	-24.1	0	47.65	-	-	-	-	264	164	H
4	* 4.876	45.68	PK2	34.4	-31.4	0	48.68	-	-	74	-25.32	234	104	V
	* 4.875	34.94	MAv1	34.4	-31.4	.34	38.28	54	-15.72	-	-	234	104	V
5	9.748	35.1	PK2	38.8	-24.3	0	49.6	-	-	-	-	132	110	V
6	* 7.374	35.65	PK2	37.9	-27.6	0	45.95	-	-	74	-28.05	105	120	V
	* 7.374	26.17	MAv1	37.9	-27.6	.34	36.81	54	-17.19	-	-	105	120	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, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filt/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	* 3.571	40.87	PK2	30.3	-33.2	0	37.97	-	-	74	-36.03	154	114	H
	* 3.573	31.08	MAv1	30.3	-33.2	.34	28.52	54	-25.48	-	-	154	114	H
2	* 3.722	40.15	PK2	30.6	-33.1	0	37.65	-	-	74	-36.35	31	103	H
	* 3.721	30.93	MAv1	30.6	-33.1	.34	28.77	54	-25.23	-	-	31	103	H
3	* 4.921	49.77	PK2	34.6	-30.9	0	53.47	-	-	74	-20.53	347	168	H
	* 4.921	39.33	MAv1	34.6	-30.9	.34	43.37	54	-10.63	-	-	347	168	H
4	* 3.514	40.88	PK2	30.4	-33.7	0	37.58	-	-	74	-36.42	178	145	V
	* 3.514	31.37	MAv1	30.4	-33.7	.34	28.41	54	-25.59	-	-	178	145	V
5	* 3.967	41.49	PK2	32.3	-32.5	0	41.29	-	-	74	-32.71	246	211	V
	* 3.968	30.24	MAv1	32.3	-32.5	.34	30.38	54	-23.62	-	-	246	211	V
6	* 4.925	48.7	PK2	34.6	-30.9	0	52.4	-	-	74	-21.6	153	108	V
	* 4.924	37.48	MAv1	34.6	-30.9	.34	41.52	54	-12.48	-	-	153	108	V

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

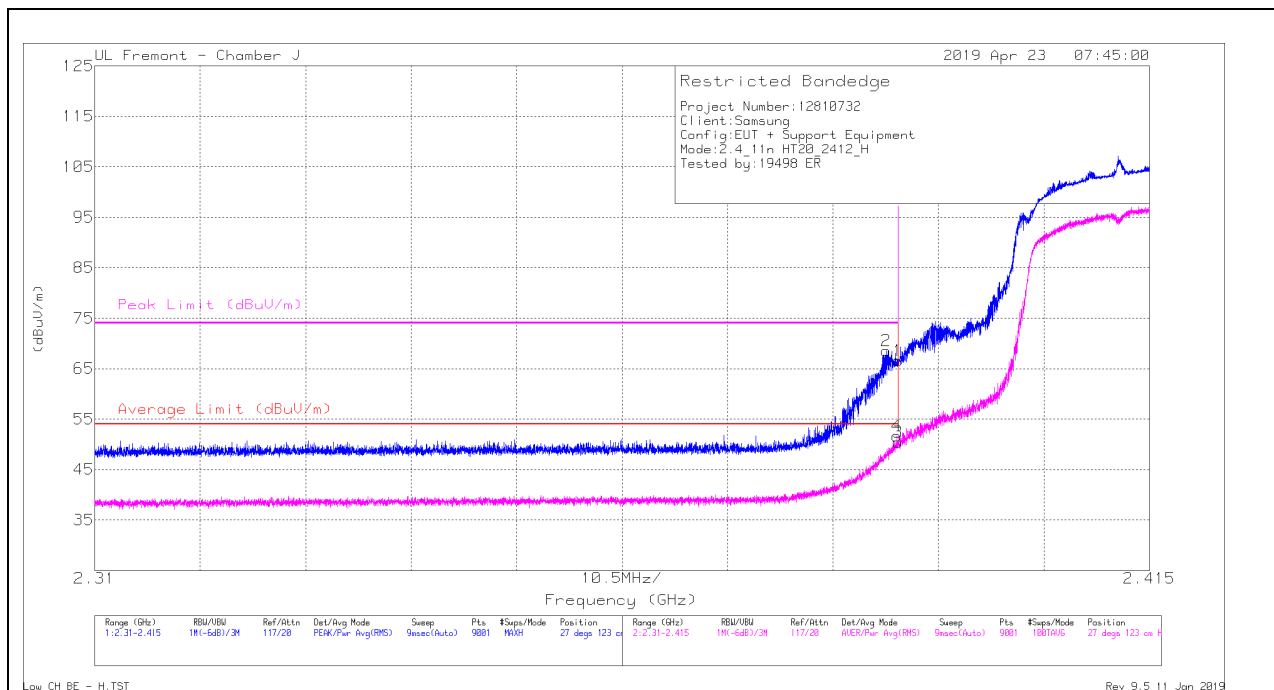
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



Trace Markers

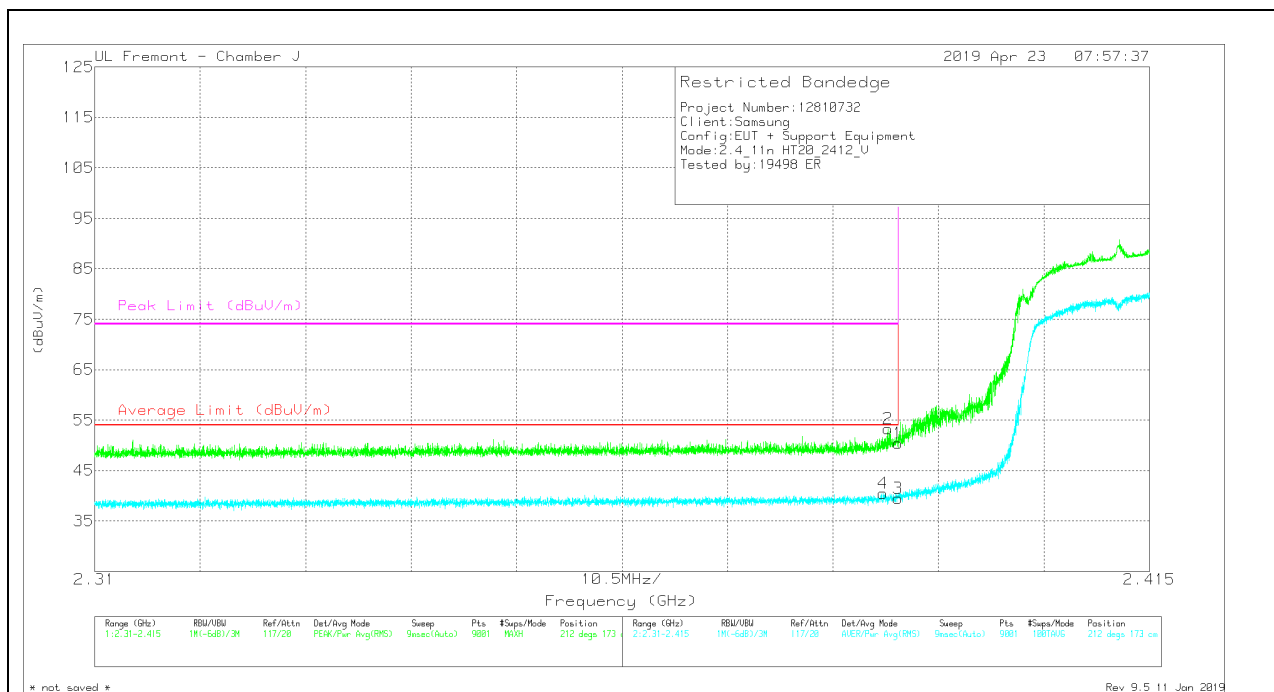
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/CbI/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.39	62.89	Pk	29.5	-25.8	0	66.59	-	-	74	-7.41	27	123	H
2	*2.389	64.87	Pk	29.5	-25.8	0	68.57	-	-	74	-5.43	27	123	H
3	*2.39	46.32	RMS	29.5	-25.8	.44	50.46	54	-3.54	-	-	27	123	H
4	*2.39	47.47	RMS	29.5	-25.8	.44	51.61	54	-2.39	-	-	27	123	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 PRE0189055 (dB/m)	Amp/CbI/Filt/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	* 2.39	46.75	Pk	29.5	-25.8	0	50.45	-	-	74	-23.55	212	173	V
2	* 2.389	49.62	Pk	29.5	-25.8	0	53.32	-	-	74	-20.68	212	173	V
3	* 2.39	35.39	RMS	29.5	-25.8	.44	39.53	54	-14.47	-	-	212	173	V
4	* 2.389	36.29	RMS	29.5	-25.8	.44	40.43	54	-13.57	-	-	212	173	V

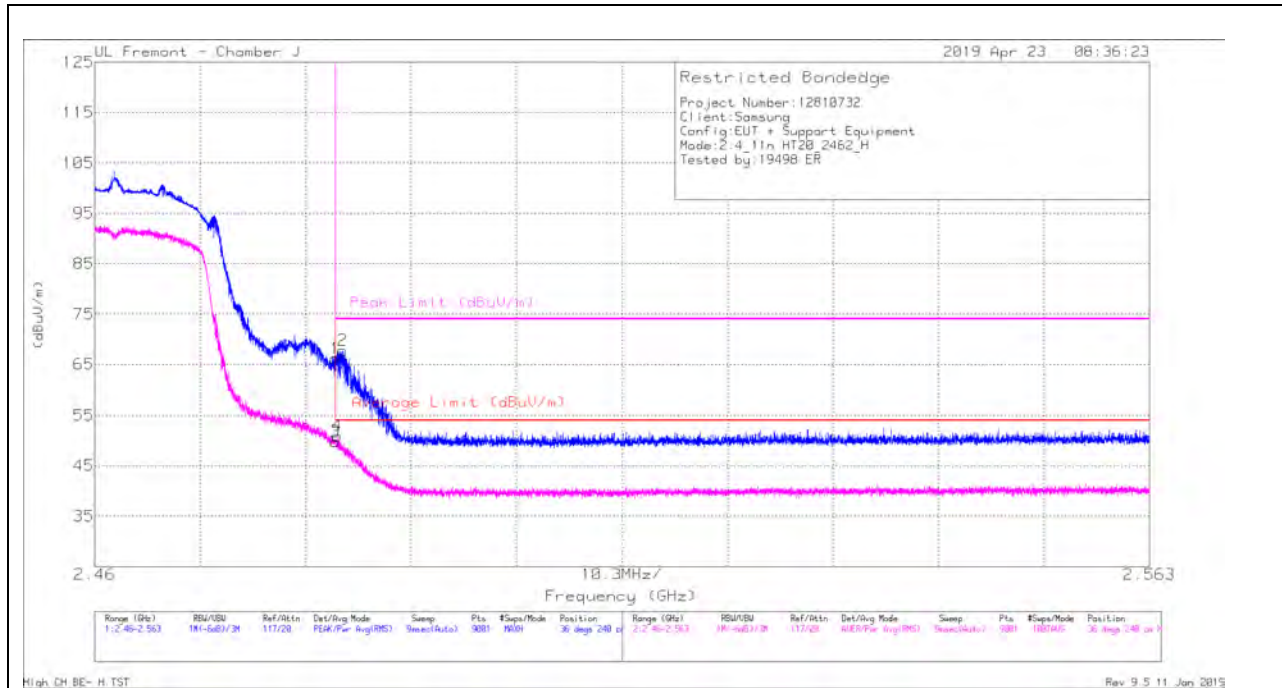
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

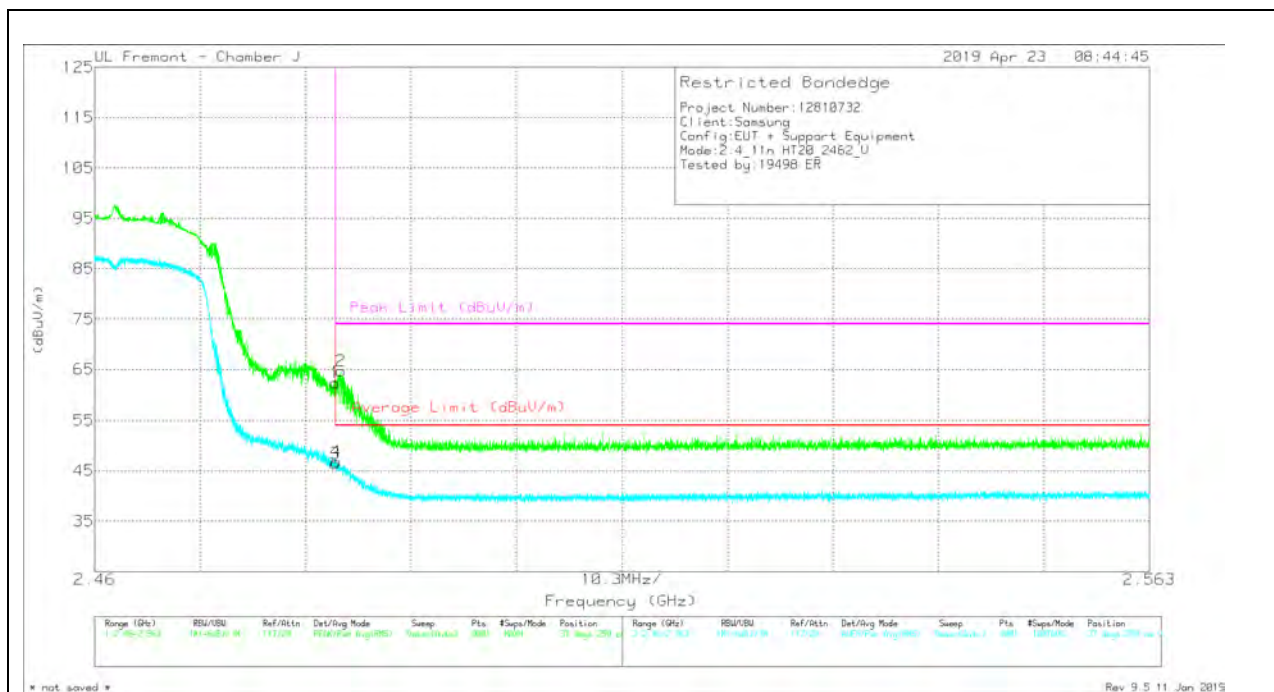
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/CbI/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	62.11	Pk	29.9	-25.8	0	66.21	-	-	74	-7.79	36	240	H
2	* 2.484	63.64	Pk	29.9	-25.8	0	67.74	-	-	74	-6.26	36	240	H
3	* 2.484	45.25	RMS	29.9	-25.8	.44	49.79	54	-4.21	-	-	36	240	H
4	* 2.484	46.4	RMS	29.9	-25.8	.44	50.94	54	-3.06	-	-	36	240	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 (dBμV)	Det	AF PRE0189055 (dB/m)	Amp/CbI/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Peak Limit (dBμV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	58.41	Pk	29.9	-25.8	0	62.51	-	-	74	-11.49	37	259	V
2	* 2.484	60.65	Pk	29.9	-25.8	0	64.75	-	-	74	-9.25	37	259	V
3	* 2.484	41.93	RMS	29.9	-25.8	.44	46.47	54	-7.53	-	-	37	259	V
4	* 2.484	42.32	RMS	29.9	-25.8	.44	46.86	54	-7.14	-	-	37	259	V

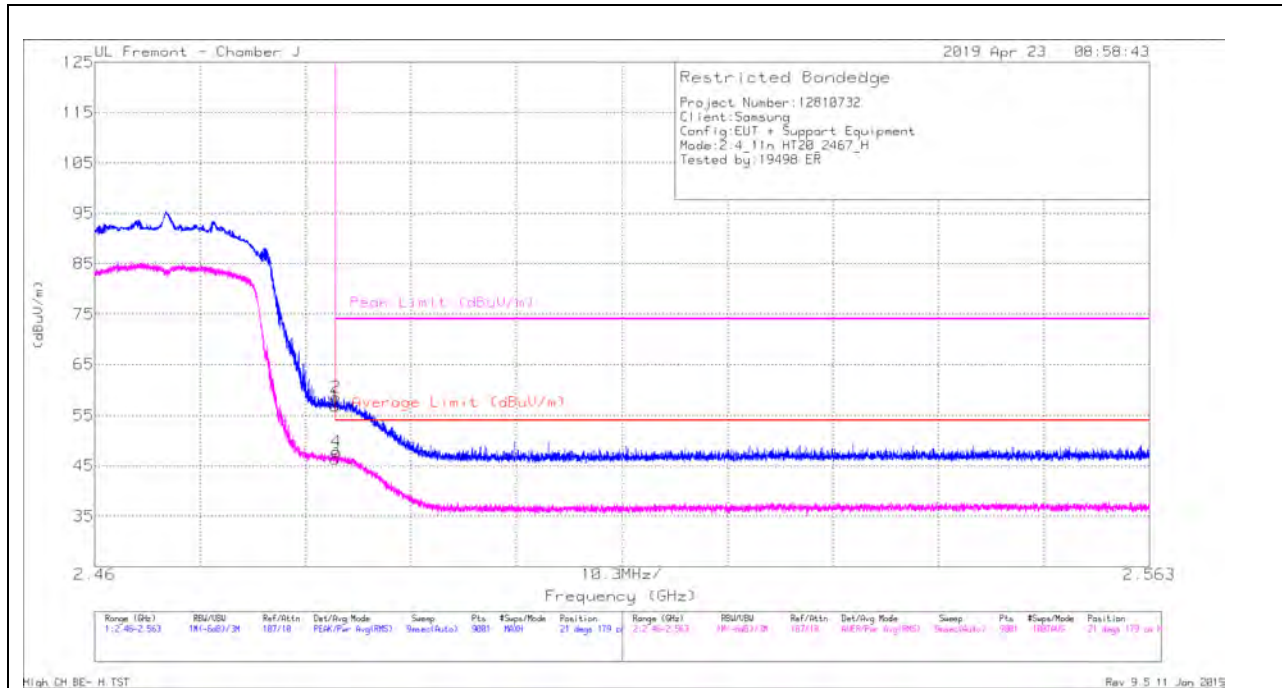
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Trace Markers

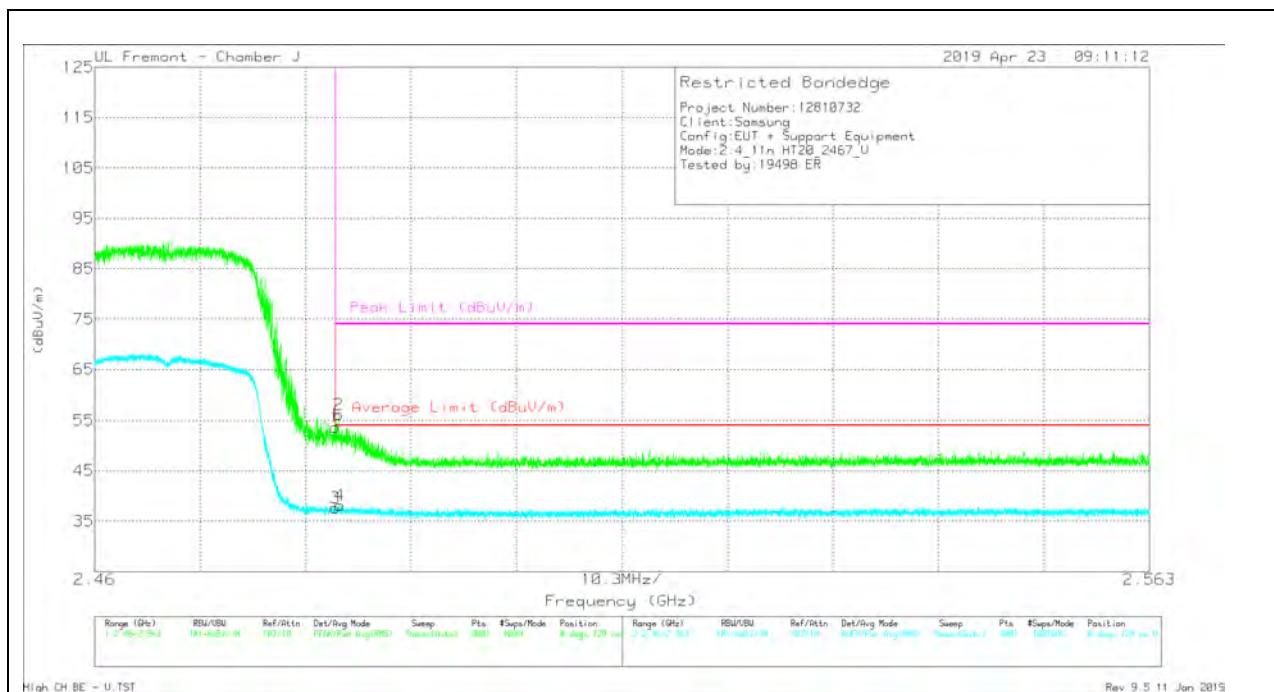
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/CbI/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	52.77	Pk	29.9	-25.8	0	56.87	-	-	74	-17.13	21	179	H
2	* 2.484	54.52	Pk	29.9	-25.8	0	58.62	-	-	74	-15.38	21	179	H
3	* 2.484	41.74	RMS	29.9	-25.8	.44	46.28	54	-7.72	-	-	21	179	H
4	* 2.484	43.26	RMS	29.9	-25.8	.44	47.8	54	-6.2	-	-	21	179	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 PRE0189055 (dB/m)	Amp/CbI/Ftr/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	* 2.484	49.6	Pk	29.9	-25.8	0	53.7	-	-	74	-20.3	0	129	V
2	* 2.484	52.03	Pk	29.9	-25.8	0	56.13	-	-	74	-17.87	0	129	V
3	* 2.484	33.1	RMS	29.9	-25.8	.44	37.64	54	-16.36	-	-	0	129	V
4	* 2.484	33.57	RMS	29.9	-25.8	.44	38.11	54	-15.89	-	-	0	129	V

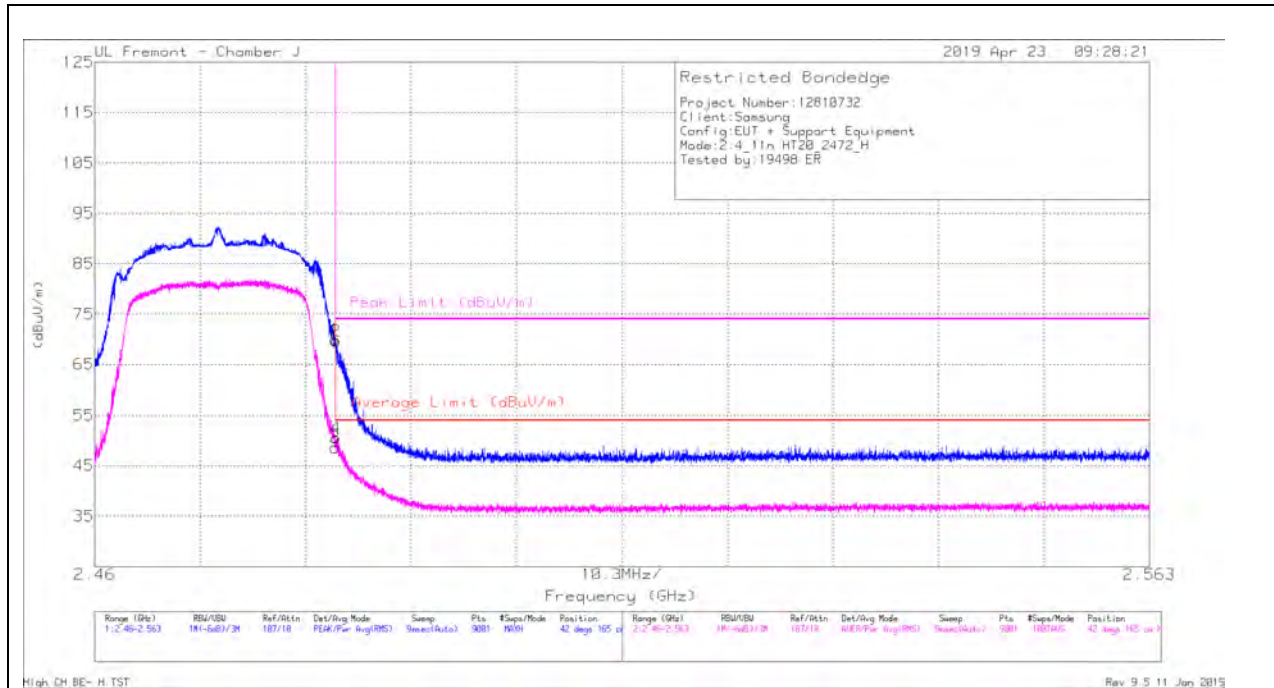
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



Trace Markers

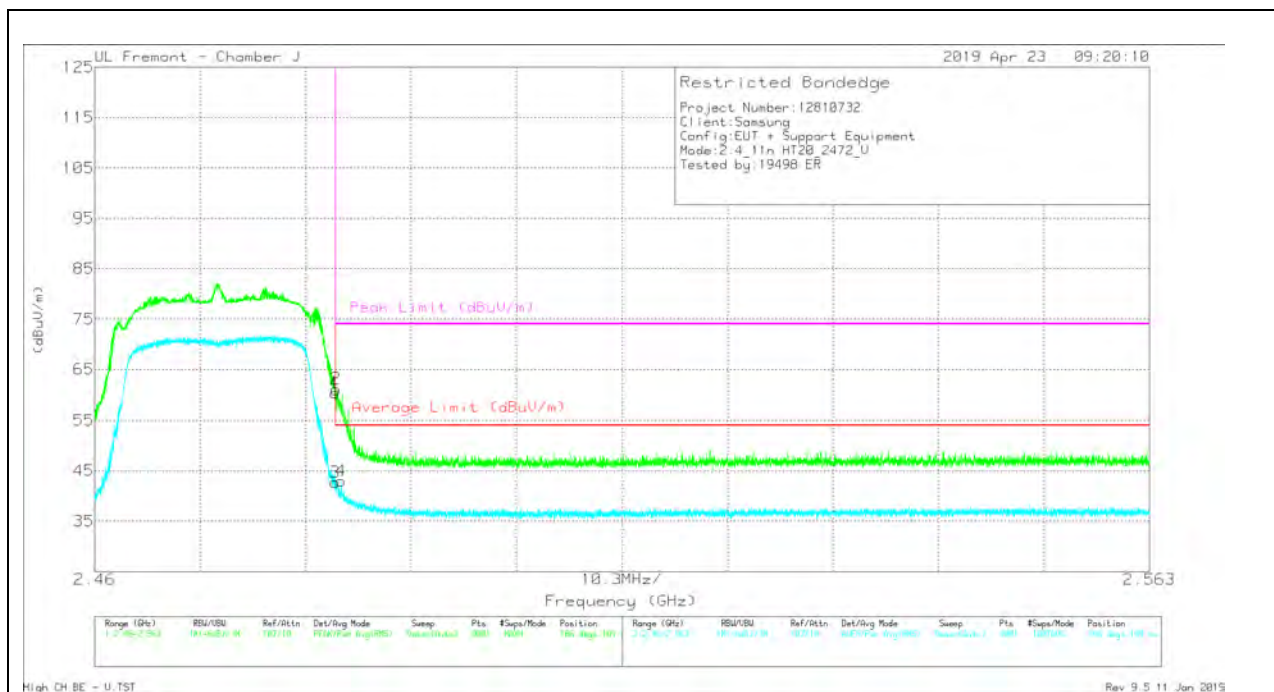
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	65.79	Pk	29.9	-25.8	0	69.89	-	-	74	-4.11	42	165	H
2	* 2.484	65.53	Pk	29.9	-25.8	0	69.63	-	-	74	-4.37	42	165	H
3	* 2.484	44.08	RMS	29.9	-25.8	.44	48.62	54	-5.38	-	-	42	165	H
4	* 2.484	45.97	RMS	29.9	-25.8	.44	50.51	54	-3.49	-	-	42	165	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 PRE0189055 (dB/m)	Amp/CbI/Ftr/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	* 2.484	56.32	Pk	29.9	-25.8	0	60.42	-	-	74	-13.58	186	109	V
2	* 2.484	57.06	Pk	29.9	-25.8	0	61.16	-	-	74	-12.84	186	109	V
3	* 2.484	38.21	RMS	29.9	-25.8	.44	42.75	54	-11.25	-	-	186	109	V
4	* 2.484	38.38	RMS	29.9	-25.8	.44	42.92	54	-11.08	-	-	186	109	V

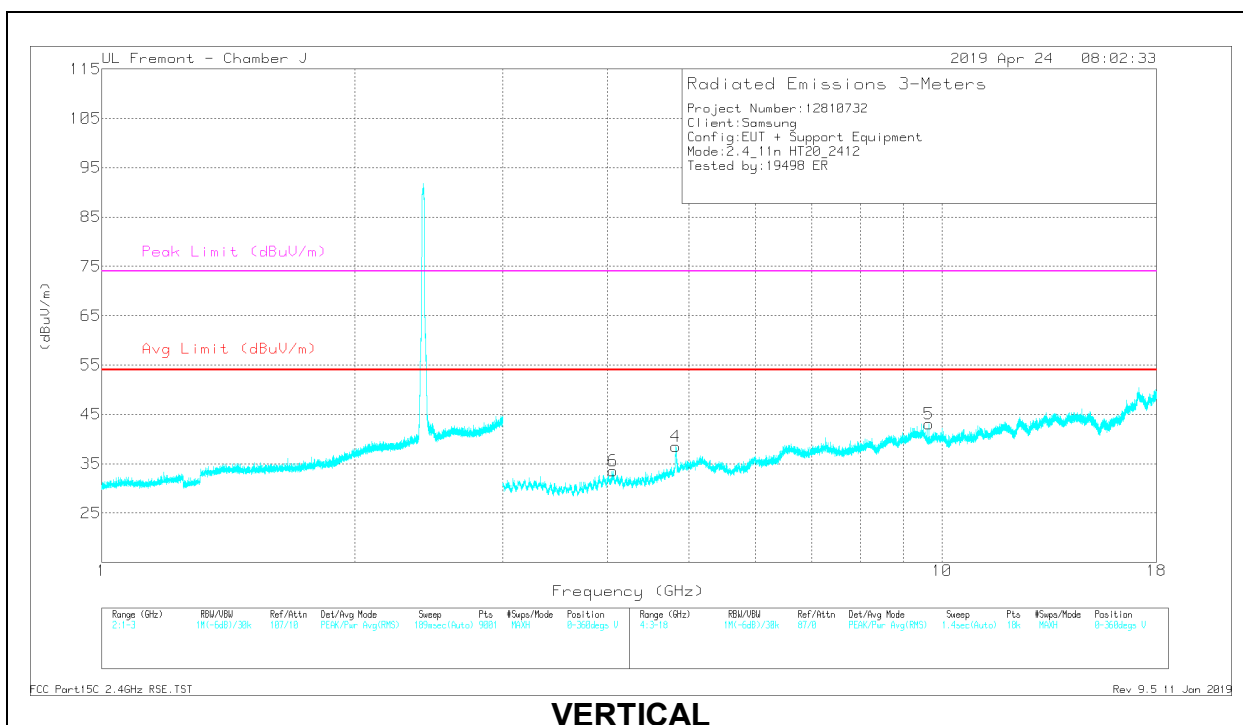
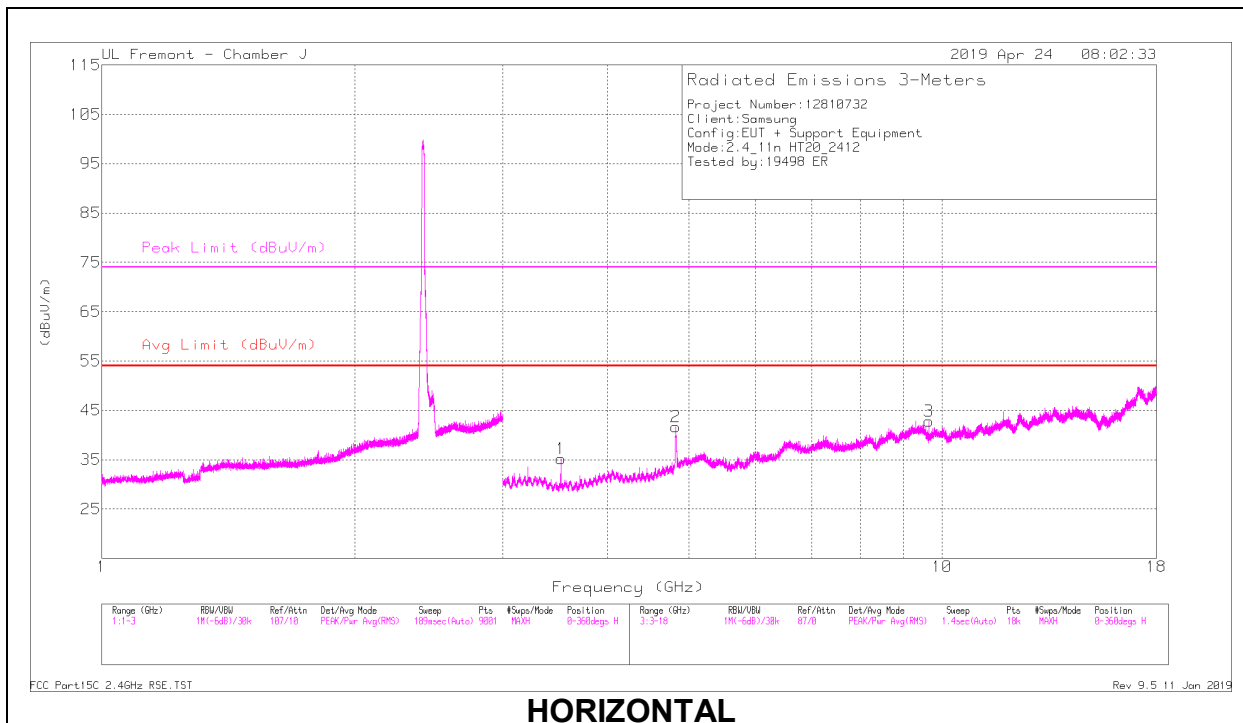
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

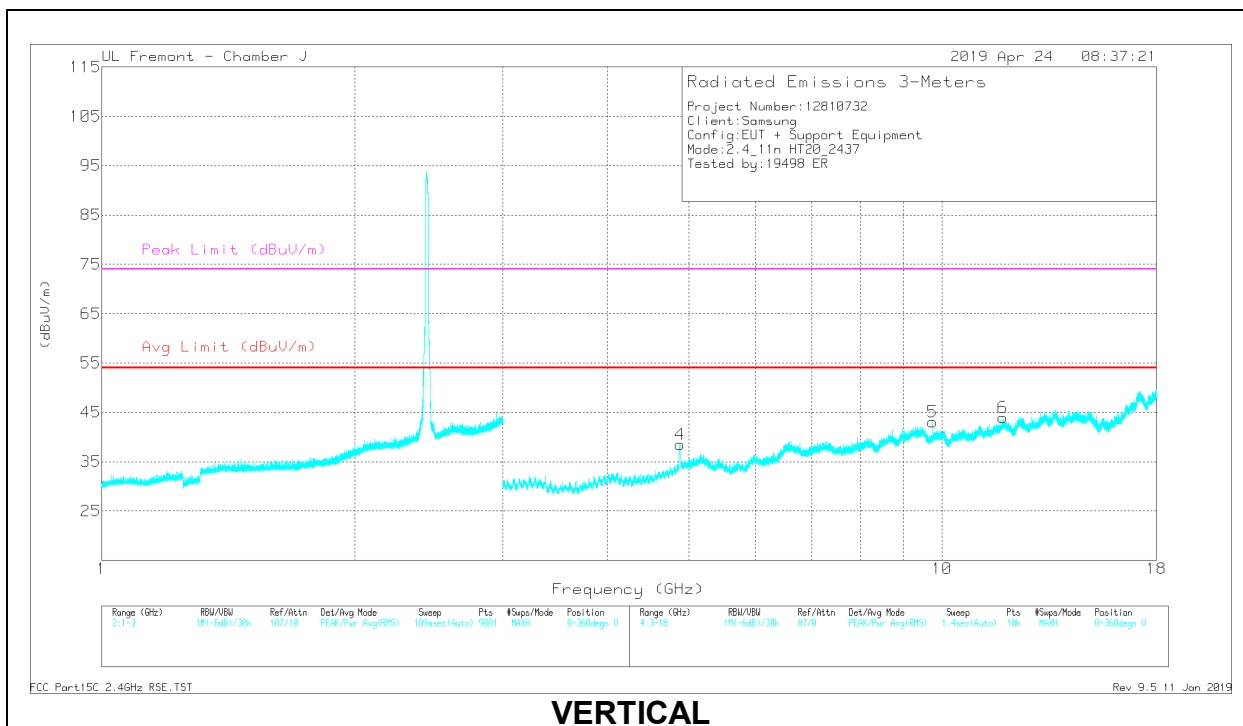
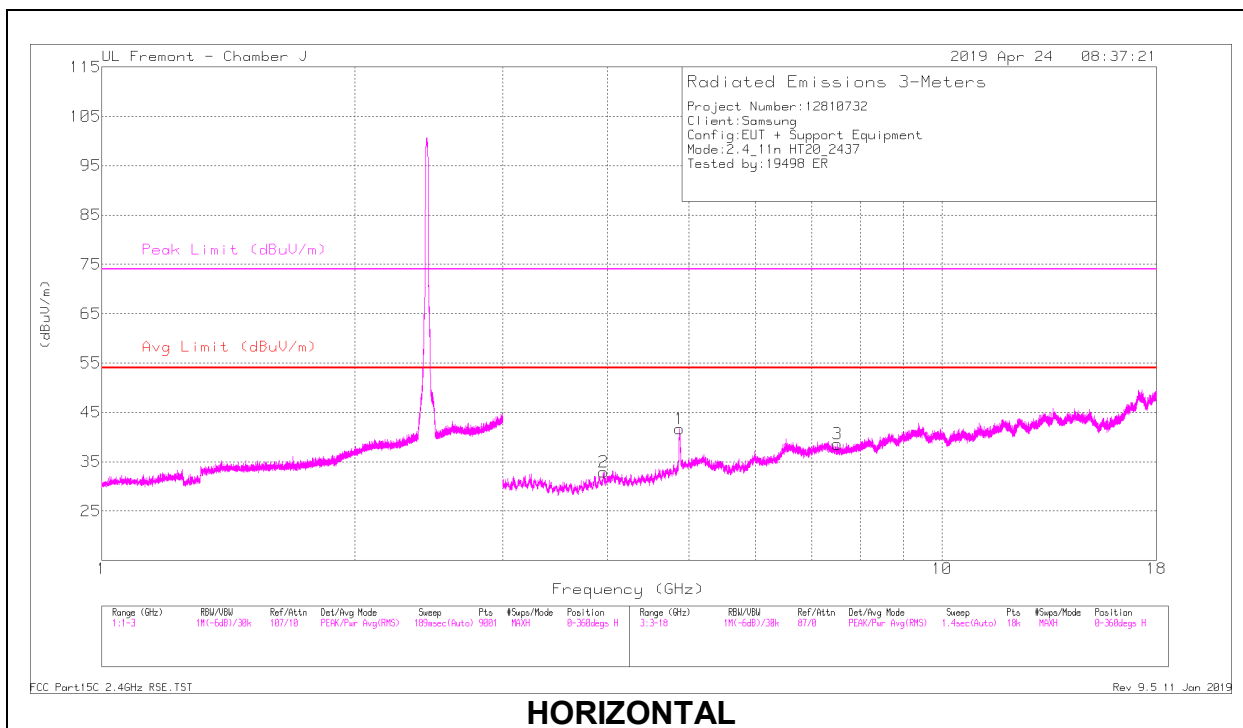
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.52	41.35	PK2	30.4	-33.7	0	38.05	-	-	74	-35.95	111	125	H
	* 3.517	31.9	MAv1	30.4	-33.7	.44	29.04	54	-24.96	-	-	111	125	H
2	* 4.822	47.89	PK2	34	-31.4	0	50.49	-	-	74	-23.51	353	117	H
	* 4.823	36.05	MAv1	34.1	-31.5	.44	39.09	54	-14.91	-	-	353	117	H
3	9.649	34.98	PK2	39	-25	0	48.98	-	-	-	-	11	128	H
4	* 4.822	45.32	PK2	34.1	-31.4	0	48.02	-	-	74	-25.98	154	103	V
	* 4.824	34.84	MAv1	34.1	-31.5	.44	37.88	54	-16.12	-	-	154	103	V
6	* 4.064	39.94	PK2	32.3	-31.9	0	40.34	-	-	74	-33.66	273	158	V
	* 4.065	30.08	MAv1	32.3	-31.8	.44	31.02	54	-22.98	-	-	273	158	V
5	9.648	35.88	PK2	39	-25	0	49.88	-	-	-	-	200	110	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, CH 6 RESULTS



RADIATED EMISSIONS

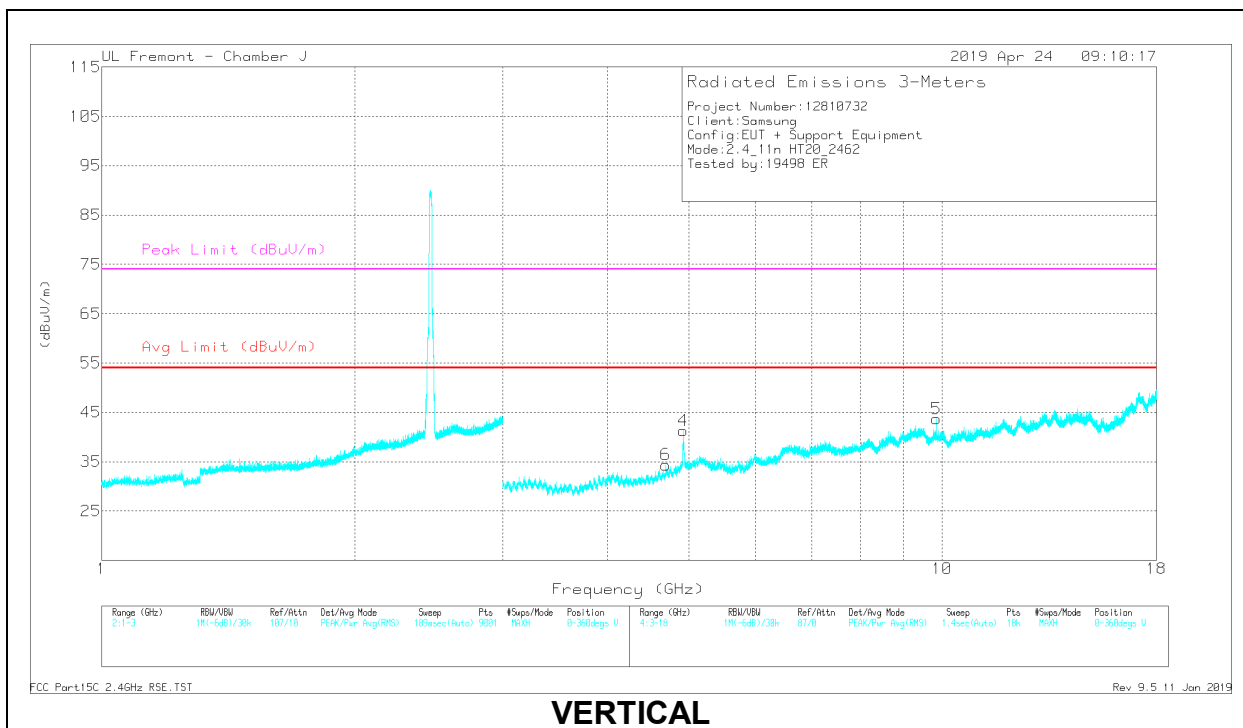
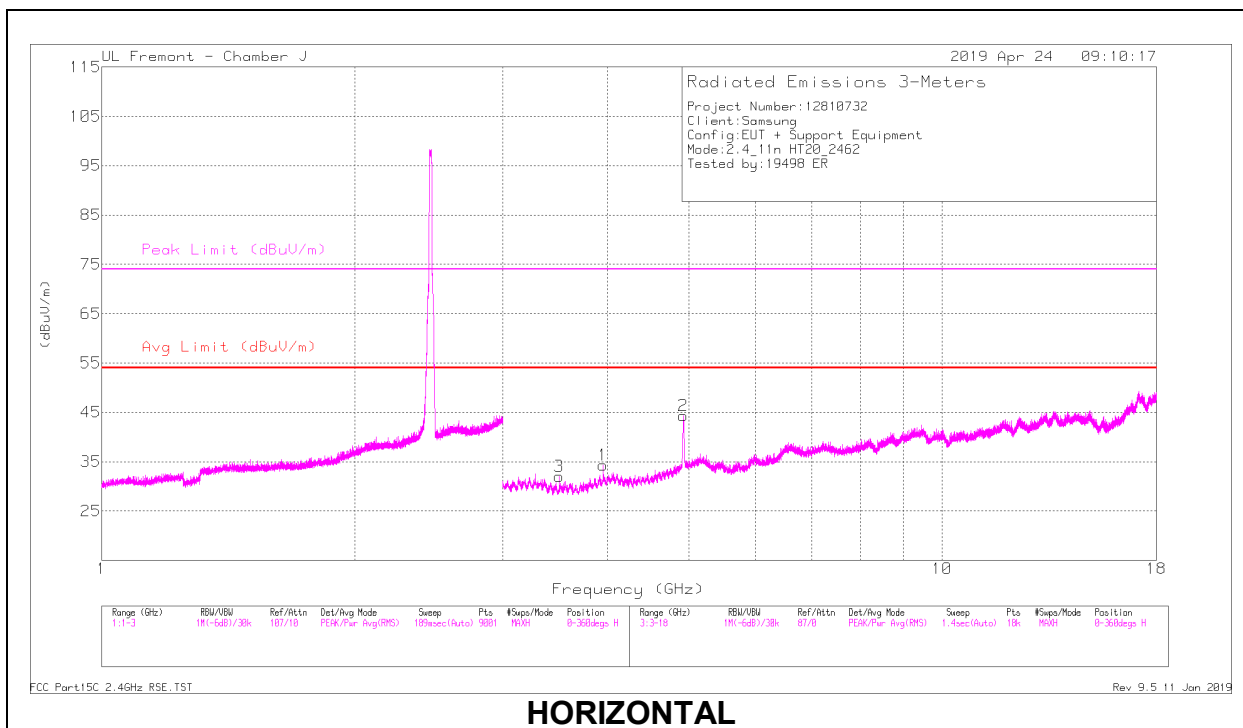
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.872	48.58	PK2	34.4	-31.4	0	51.58	-	-	74	-22.42	355	103	H
	* 4.872	37	MAv1	34.4	-31.4	.44	40.44	54	-13.56	-	-	355	103	H
2	* 3.959	39.72	PK2	32.3	-32.5	0	39.52	-	-	74	-34.48	55	119	H
	* 3.962	30.43	MAv1	32.3	-32.5	.44	30.67	54	-23.33	-	-	55	119	H
3	* 7.516	36.08	PK2	37.5	-27.6	0	45.98	-	-	74	-28.02	166	104	H
	* 7.515	26.4	MAv1	37.5	-27.6	.44	36.74	54	-17.26	-	-	166	104	H
4	* 4.874	45.28	PK2	34.4	-31.4	0	48.28	-	-	74	-25.72	150	111	V
	* 4.874	33.75	MAv1	34.4	-31.4	.44	37.19	54	-16.81	-	-	150	111	V
6	* 11.815	32.62	PK2	40	-22.2	0	50.42	-	-	74	-23.58	240	131	V
	* 11.814	22.86	MAv1	40	-22.2	.44	41.1	54	-12.9	-	-	240	131	V
5	9.748	34.81	PK2	38.8	-24.3	0	49.31	-	-	-	-	288	106	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, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0189055 (dB/m)	Amp/Cbl/Filt/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	* 3.949	39.15	PK2	32.3	-32.6	0	38.85	-	-	74	-35.15	9	163	H
	* 3.949	29.71	MAv1	32.3	-32.6	.44	29.85	54	-24.15	-	-	9	163	H
2	* 4.924	49.19	PK2	34.6	-30.9	0	52.89	-	-	74	-21.11	356	169	H
	* 4.922	38.45	MAv1	34.6	-30.9	.44	42.59	54	-11.41	-	-	356	169	H
3	* 3.506	40.4	PK2	30.4	-33.7	0	37.1	-	-	74	-36.9	283	196	H
	* 3.504	31.25	MAv1	30.4	-33.7	.44	28.39	54	-25.61	-	-	283	196	H
4	* 4.924	47.76	PK2	34.6	-30.9	0	51.46	-	-	74	-22.54	154	108	V
	* 4.924	36.63	MAv1	34.6	-30.9	.44	40.77	54	-13.23	-	-	154	108	V
6	* 4.693	38.37	PK2	33.4	-31.2	0	40.57	-	-	74	-33.43	82	121	V
	* 4.696	29.08	MAv1	33.4	-31.2	.44	31.72	54	-22.28	-	-	82	121	V
5	9.847	35.77	PK2	38.3	-24.5	0	49.57	-	-	-	-	193	122	V

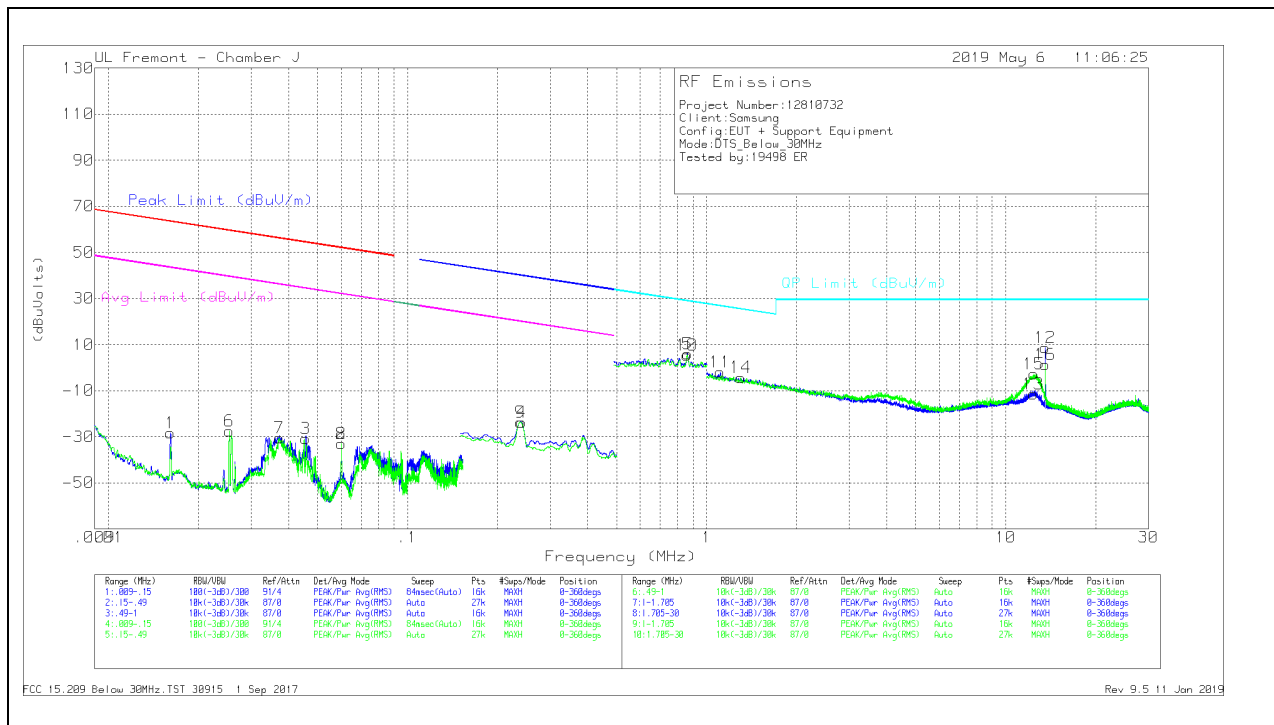
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2. WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

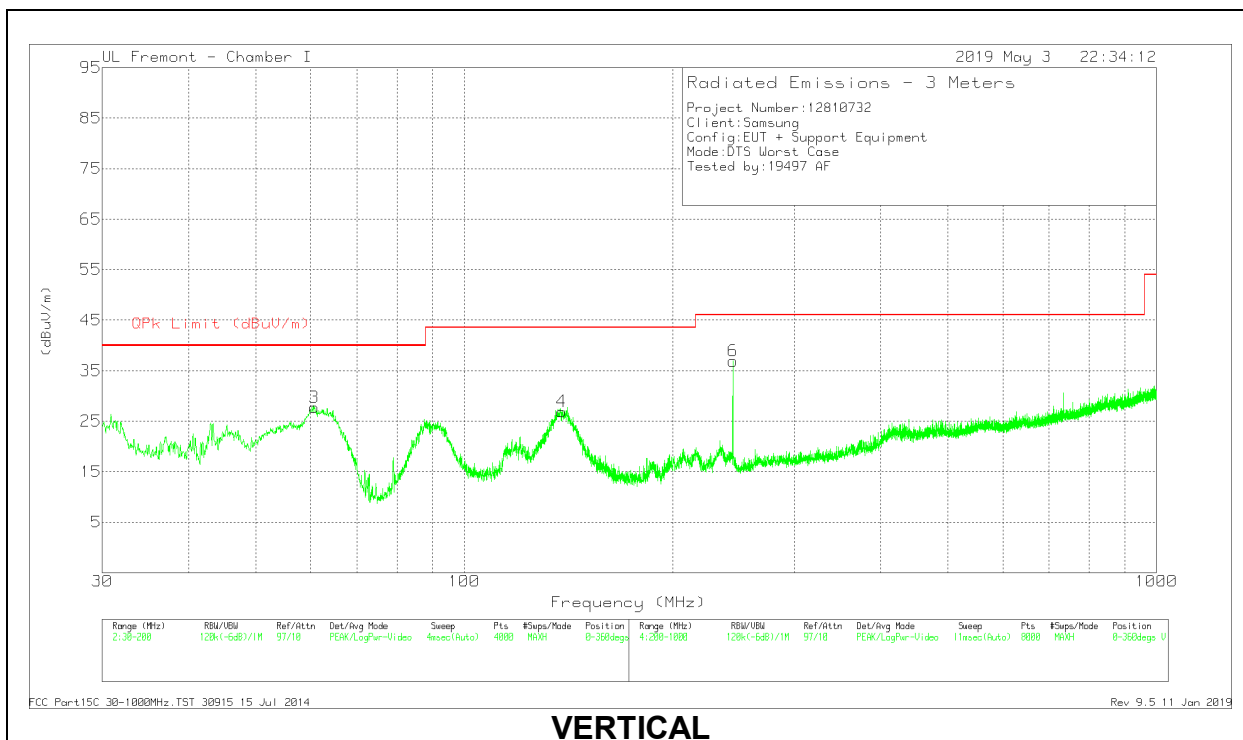
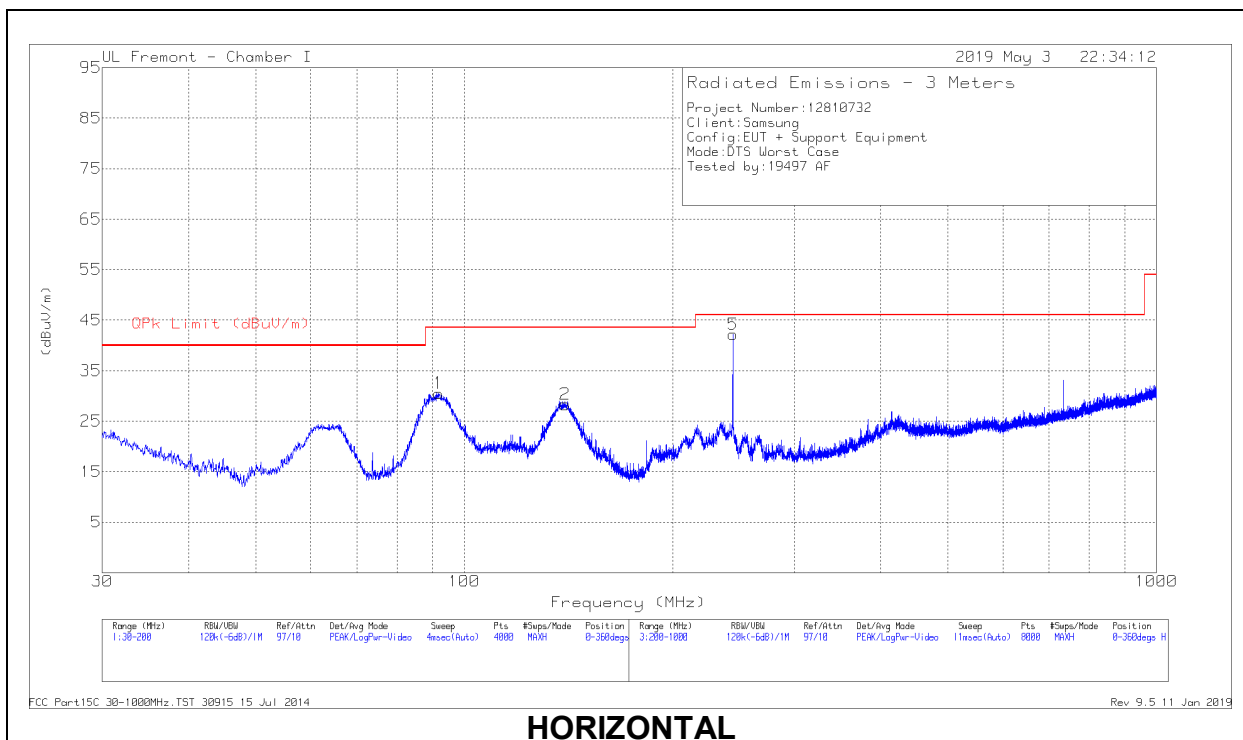
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01615	20.57	Pk	59.5	-28.5	-80	-28.43	63.42	-91.85	43.42	-71.85	-	-	-	-	0-360
2	.0601	19.43	Pk	56.2	-28.6	-80	-32.97	52.01	-84.98	32.01	-64.98	-	-	-	-	0-360
3	.04571	20.74	Pk	57.1	-28.5	-80	-30.66	54.38	-85.04	34.38	-65.04	-	-	-	-	0-360
4	.24067	28.42	Pk	56.3	-28.5	-80	-23.78	-	-	-	-	39.99	-63.77	19.99	-43.77	0-360
6	.02536	22.55	Pk	58.4	-28.5	-80	-27.55	59.5	-87.05	39.5	-67.05	-	-	-	-	0-360
7	.03721	20.59	Pk	57.4	-28.5	-80	-30.51	56.17	-86.68	36.17	-66.68	-	-	-	-	0-360
8	.06008	19.41	Pk	56.2	-28.6	-80	-32.99	52.01	-85	32.01	-65	-	-	-	-	0-360
9	.23864	28.56	Pk	56.3	-28.5	-80	-23.64	-	-	-	-	40.06	-63.7	20.06	-43.7	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 (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.8629	18.1	Pk	56.3	-28.4	-40	6	28.9	-22.9	0-360
10	.86035	17.42	Pk	56.3	-28.4	-40	5.32	28.92	-23.6	0-360
11	1.11073	20.61	Pk	45.8	-28.4	-40	-1.99	26.71	-28.7	0-360
12	13.55998	42.34	Pk	34.3	-27.9	-40	8.74	29.5	-20.76	0-360
13	12.34534	22.52	Pk	34.1	-28	-40	-11.38	29.5	-40.88	0-360
14	1.30032	19.37	Pk	44.8	-28.4	-40	-4.23	25.35	-29.58	0-360
15	12.42604	31.23	Pk	34.1	-28	-40	-2.67	29.5	-32.17	0-360
16	13.55998	34.92	Pk	34.3	-27.9	-40	1.32	29.5	-28.18	0-360

Pk - Peak detector

9.3. WORST CASE BELOW 1 GHz



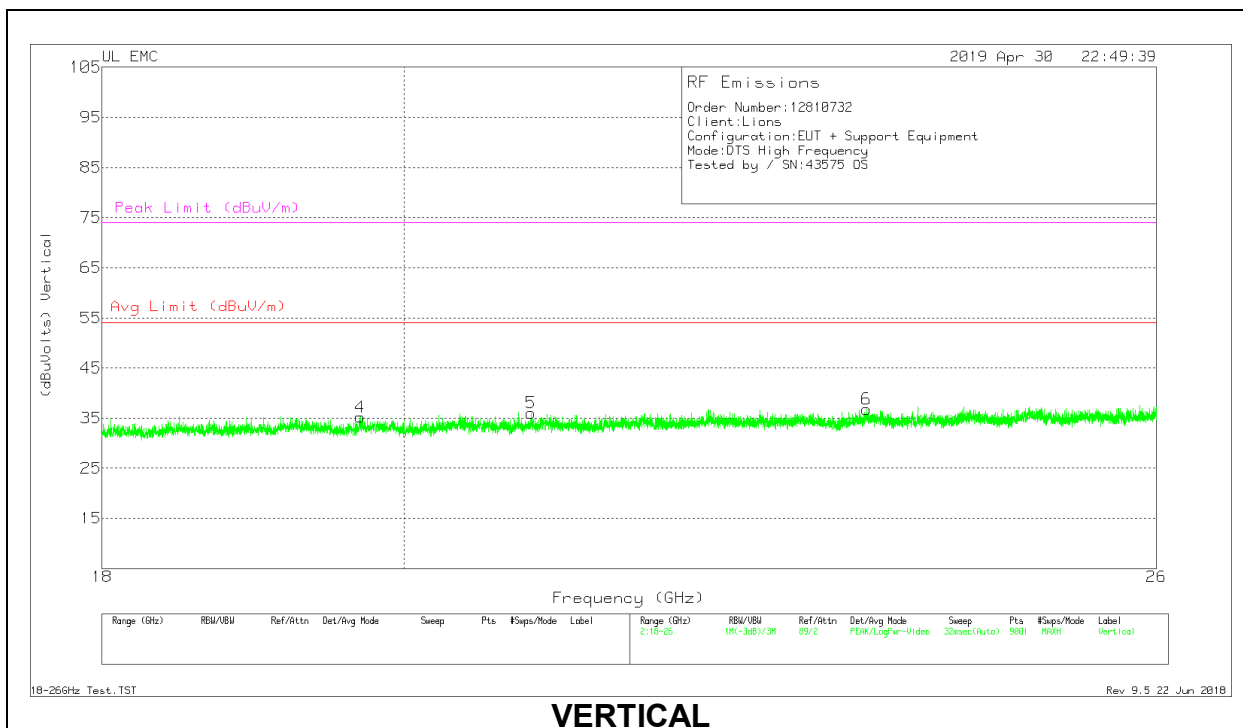
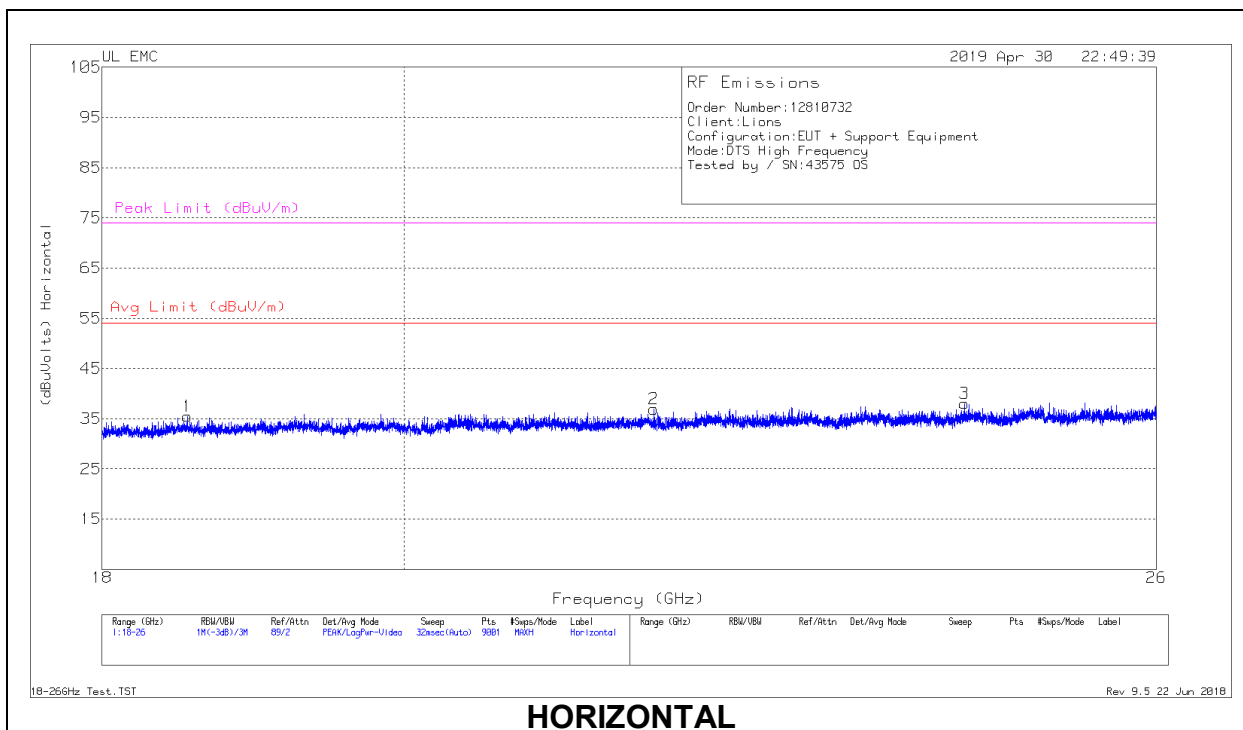
Below 1GHz DATA

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	91.896	47.4	Pk	13.9	-30.8	30.5	43.52	-13.02	0-360	199	H
2	139.9334	40.03	Pk	18.8	-30.5	28.33	43.52	-15.19	0-360	199	H
3	60.778	45.41	Pk	13.3	-31	27.71	40	-12.29	0-360	100	V
4	138.2755	38.39	Pk	19	-30.5	26.89	43.52	-16.63	0-360	100	V
5	244.5667	55.43	Pk	17.6	-30	43.03	46.02	-2.99	74	114	H
	244.5667	54.69	Qp	17.6	-30	42.29	46.02	-3.73	74	114	H
6	244.5058	49.32	Pk	17.6	-30	36.92	46.02	-9.1	0-360	200	V

Pk - Peak detector

Qp - Quasi-Peak detector

9.4. WORST CASE 18-26 GHz



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE0182188 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	18.545	70.99	Pk	33	-59	-9.5	35.49	54	-18.51	74	-38.51
2	21.82	70.02	Pk	33.9	-57.5	-9.5	36.92	54	-17.08	74	-37.08
3	24.316	69.44	Pk	34.6	-56.5	-9.5	38.04	54	-15.96	74	-35.96
4	19.696	67.92	Pk	33.4	-56.6	-9.5	35.22	54	-18.78	74	-38.78
5	20.904	68.83	Pk	33.7	-57	-9.5	36.03	54	-17.97	74	-37.97
6	23.5	68.77	Pk	34.6	-57.1	-9.5	36.77	54	-17.23	74	-37.23

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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

^{*} Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

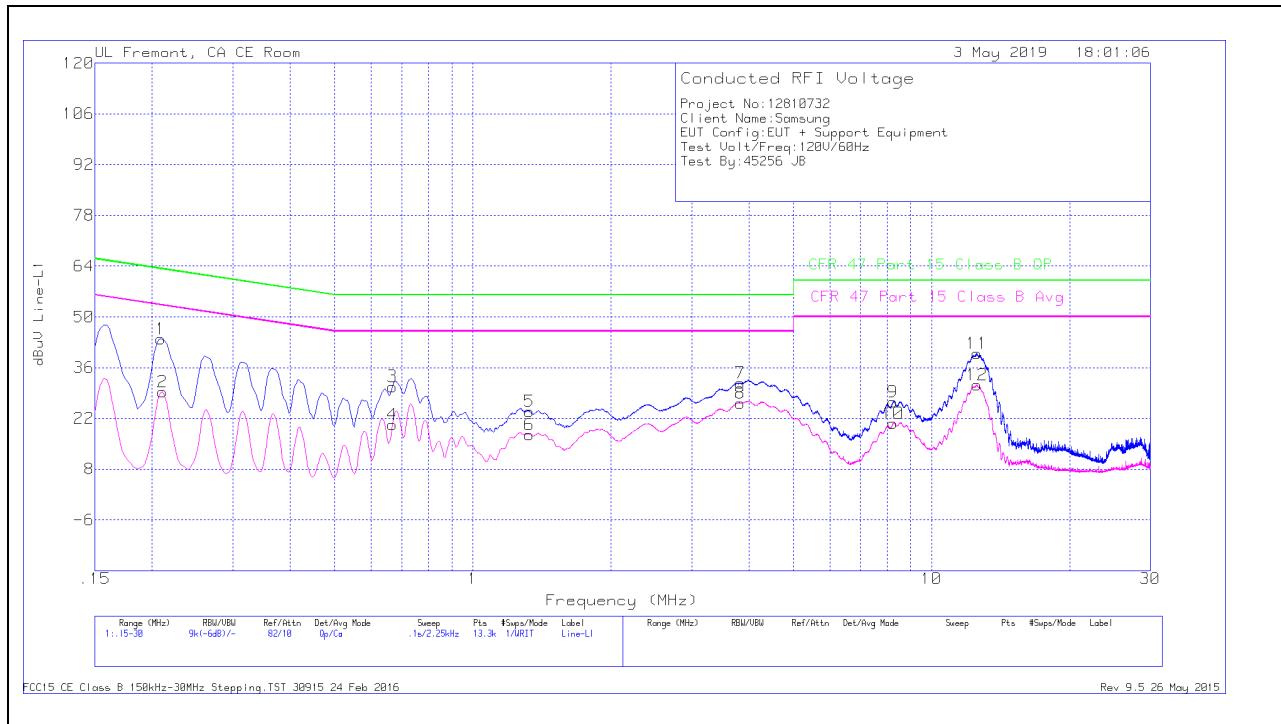
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

AC Power Line Norm

LINE 1 RESULTS



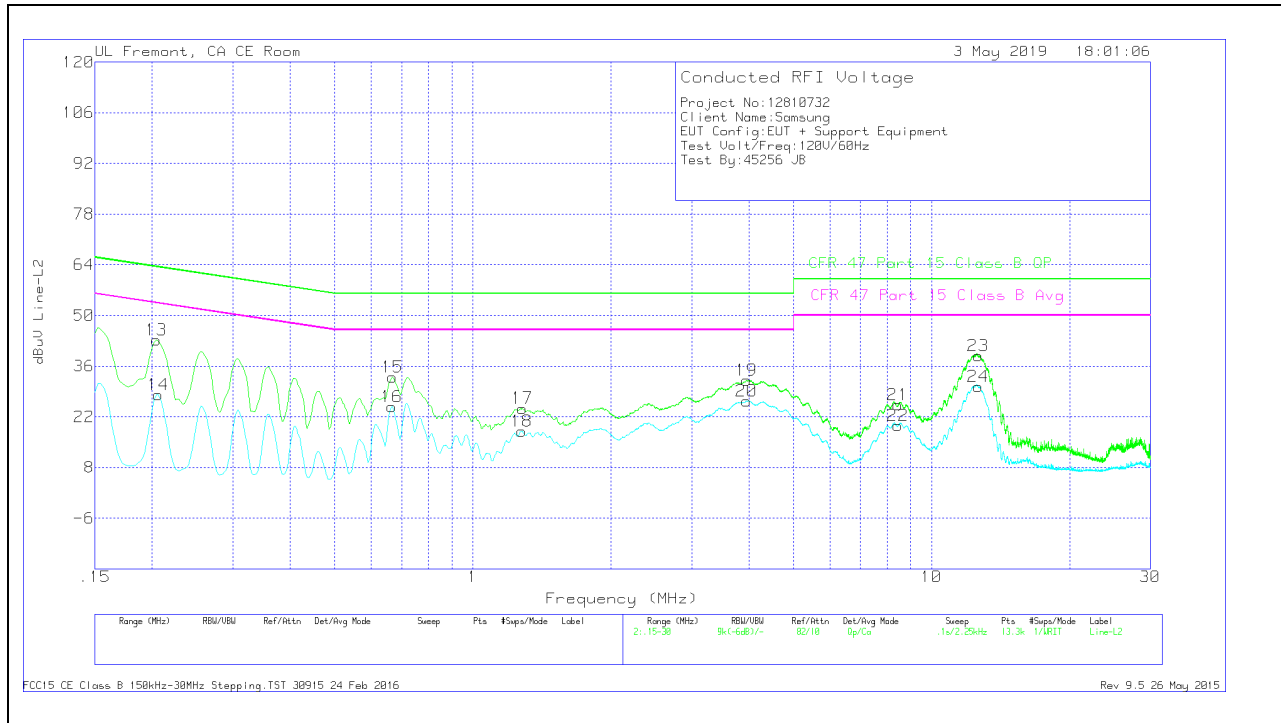
Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	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	.2085	33.84	Qp	0	0	10.1	43.94	63.26	-19.32	-	-
2	.21075	19.16	Ca	0	0	10.1	29.26	-	-	53.18	-23.92
3	.6675	20.69	Qp	0	0	10.1	30.79	56	-25.21	-	-
4	.6675	10.12	Ca	0	0	10.1	20.22	-	-	46	-25.78
5	1.329	13.71	Qp	0	.1	10.1	23.91	56	-32.09	-	-
6	1.329	7.35	Ca	0	.1	10.1	17.55	-	-	46	-28.45
7	3.83325	21.48	Qp	0	.1	10.1	31.68	56	-24.32	-	-
8	3.83213	16.02	Ca	0	.1	10.1	26.22	-	-	46	-19.78
9	8.24775	16.14	Qp	0	.2	10.2	26.54	60	-33.46	-	-
10	8.24775	10.23	Ca	0	.2	10.2	20.63	-	-	50	-29.37
11	12.56325	29.35	Qp	.1	.2	10.2	39.85	60	-20.15	-	-
12	12.552	20.67	Ca	.1	.2	10.2	31.17	-	-	50	-18.83

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Trace Markers

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	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	.204	33.05	Qp	0	0	10.1	43.15	63.45	-20.3	-	-
14	.20625	18.02	Ca	0	0	10.1	28.12	-	-	53.35	-25.23
15	.6675	22.85	Qp	0	0	10.1	32.95	56	-23.05	-	-
16	.66525	14.77	Ca	0	0	10.1	24.87	-	-	46	-21.13
17	1.28175	14.16	Qp	0	.1	10.1	24.36	56	-31.64	-	-
18	1.27725	7.81	Ca	0	.1	10.1	18.01	-	-	46	-27.99
19	3.9525	21.91	Qp	0	.1	10.1	32.11	56	-23.89	-	-
20	3.948	16.18	Ca	0	.1	10.1	26.38	-	-	46	-19.62
21	8.457	14.9	Qp	0	.2	10.2	25.3	60	-34.7	-	-
22	8.457	9.15	Ca	0	.2	10.2	19.55	-	-	50	-30.45
23	12.6375	28.36	Qp	.1	.2	10.2	38.86	60	-21.14	-	-
24	12.633	19.82	Ca	.1	.2	10.2	30.32	-	-	50	-19.68

Qp - Quasi-Peak detector

Ca - CISPR average detection