



FCC CFR47 PART 15 SUBPART C

DTS Wireless LAN

CERTIFICATION TEST REPORT

FOR

GSM/WCDMA/LTE Tablet + BT/BLE, DTS/UNII a/b/g/n/ac, ANT+ and NFC

MODEL NUMBER : SM-T395C

FCC ID: A3LSMT395C

REPORT NUMBER: 4788148881-E1V1

ISSUE DATE: OCT 13, 2017

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	10/13/17	Initial issue	Junwhan Lee

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	5
1.1. INTRODUCTION OF TEST DATA REUSE.....	6
1.2. DIFFERENCE.....	6
1.3. SPOT CHECK VERIFICATION DATA	6
1.4. REFERENCE DETAIL	7
2. TEST METHODOLOGY	8
3. FACILITIES AND ACCREDITATION	8
4. CALIBRATION AND UNCERTAINTY	8
4.1. MEASURING INSTRUMENT CALIBRATION	8
4.2. SAMPLE CALCULATION	8
4.3. MEASUREMENT UNCERTAINTY.....	9
5. EQUIPMENT UNDER TEST	10
5.1. DESCRIPTION OF EUT	10
5.2. MAXIMUM OUTPUT POWER.....	10
5.3. DESCRIPTION OF AVAILABLE ANTENNAS	10
5.4. WORST-CASE CONFIGURATION AND MODE.....	10
5.5. DESCRIPTION OF TEST SETUP.....	11
6. TEST AND MEASUREMENT EQUIPMENT	13
7. REFERENCE MEASUREMENT RESULTS.....	14
7.1. ON TIME AND DUTY CYCLE RESULTS.....	14
8. SUMMARY TABLE	16
9. ANTENNA PORT TEST RESULTS	17
9.1. 6 dB BANDWIDTH.....	17
9.1.1. 802.11b MODE IN THE 2.4 GHz BAND.....	18
9.1.2. 802.11g MODE IN THE 2.4 GHz BAND.....	18
9.1.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND	18
9.1.4. 6 dB BANDWIDTH PLOTS	19
9.2. OUTPUT POWER.....	22
9.2.1. 802.11b MODE IN THE 2.4 GHz BAND.....	23
9.2.2. 802.11g MODE IN THE 2.4 GHz BAND.....	24
9.2.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND	25
9.3. PSD.....	26
9.3.1. 802.11b MODE IN THE 2.4 GHz BAND.....	27
9.3.2. 802.11g MODE IN THE 2.4 GHz BAND.....	27

9.3.3.	802.11n HT20 MODE IN THE 2.4 GHz BAND	27
9.3.4.	PSD PLOTS	28
9.4.	<i>OUT-OF-BAND EMISSIONS</i>	31
9.4.1.	802.11b MODE IN THE 2.4 GHz BAND	32
9.4.2.	802.11g MODE IN THE 2.4 GHz BAND	37
9.4.3.	802.11n HT20 MODE IN THE 2.4 GHz BAND	42
10.	RADIATED TEST RESULTS	47
10.1.	<i>LIMITS AND PROCEDURE</i>	47
10.2.	<i>TRANSMITTER ABOVE 1 GHz</i>	49
10.2.1.	TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND	49
10.2.2.	TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND	63
10.2.3.	TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND	77
10.3.	<i>BANDEDGE (on Worst case) equipped with protective case</i>	91
10.4.	<i>HARMONICS AND SPURIOUS EMISSIONS (on Worst case) equipped with protective case</i>	92
10.5.	<i>WORST-CASE BELOW 1 GHz</i>	94
11.	AC POWER LINE CONDUCTED EMISSIONS	96
12.	SETUP PHOTOS	101

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

EUT DESCRIPTION: GSM/WCDMA/LTE Tablet + BT/BLE, DTS/UNII a/b/g/n/ac, ANT+ and NFC

MODEL NUMBER: SM-T395C

SERIAL NUMBER: R32J500ANHD, R32J500B9LL (RADIATED, Original model);
R32J500B6RB (CONDUCTED, Original model)
R22J9005ZNF, R22J9008P2V (RADIATED, Spot check model);

DATE TESTED: AUG 02, 2017 - AUG 25, 2017 (Original Test)
OCT 10 – OCT 12, 2017 (Spot check and Additional Test)

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	Pass

UL Korea, Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Korea, Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Korea, Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Korea, Ltd. 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 IAS, any agency of the Federal Government, or any agency of any government.

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1.1. INTRODUCTION OF TEST DATA REUSE

This report referenced from the FCC ID: A3LSMT395, DTS WLAN(FCC CFR 47 Part 15C). And the applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID.

1.2. DIFFERENCE

The FCC ID: A3LSMT395C shares the same enclosure and circuit board as FCC ID: A3LSMT395. The WLAN circuitry and layout are identical between these two units. The WLAN antennas and surrounding circuitry are the same between these two units.

After confirming through preliminary radiated emissions that the performance of the FCC ID: A3LSMT395 remains representative of FCC ID: A3LSMT395C. The test data of FCC ID: A3LSMT395 being submitted for this application to cover WLAN features.

Due to difference of charger, radiated emission under 1GHz and AC line conducted test were performed newly.

1.3. SPOT CHECK VERIFICATION DATA

Band	Test Item	Mode	Frequency	Bandwidth	Test Limit	Original model	Spot check model	Deviation	Remark
						SM-T395 Results	SM-T395C Results		
						FCC ID : A3LSMT395	FCC ID : A3LSMT395C		
DTS WLAN (2.4GHz)	Band Edge	802.11b	2412 MHz	20MHz	54 dBuV/m	41.08 dBuV/m	40.61 dBuV/m	-0.47 dB	
	RSE	802.11b	2412 MHz	20MHz	54 dBuV/m	43.77 dBuV/m	44.64 dBuV/m	0.87 dB	
	Band Edge	802.11g	2472 MHz	20MHz	54 dBuV/m	44.26 dBuV/m	44.7 dBuV/m	0.44 dB	
	RSE	802.11g	2437 MHz	20MHz	74 dBuV/m	38.69 dBuV/m	39.59 dBuV/m	0.9 dB	Noise floor level
	Band Edge	802.11n	2472 MHz	20MHz	54 dBuV/m	44.14 dBuV/m	43.99 dBuV/m	-0.15 dB	
	RSE	802.11n	2437 MHz	20MHz	74 dBuV/m	38.88 dBuV/m	39.49 dBuV/m	0.61 dB	Noise floor level

Comparison of two models, deviation is within 3dB range and all test results are under FCC Technical Limits.

1.4. REFERENCE DETAIL

Reference application that contains the reused reference data.

Equipment Class	Reference FCC ID	Type Grant/Permissive Change	Reference Application	Folder Test/RF Exposure	Report Title / Section
DTS	A3LSMT395	Grant	4788060215-E2V2	Test	FCC Report BLE / All sections (Except Section 10.5, 11)
			4788060215-E1V2	Test	FCC Report DTS / All sections (Except Section 10.5, 11)
DSS	A3LSMT395	Grant	4788060215-E3V2	Test	FCC Report BT / All sections (Except Section 10.5, 11)
DXX	A3LSMT395	Grant	4788060215-E5V1	Test	FCC Report ANT+ / All sections (Except Section 7.2.4, 8)
			4788060215-E6V2	Test	FCC Report NFC / All sections (Except Section 8.1.2, 9)
NII	A3LSMT395	Grant	4788060215-E4V3	Test	FCC Report UNII / All sections (Except Section 11, 12)

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC CFR 47 Part 2
2. FCC CFR 47 Part 15
3. KDB 558074 D01 DTS Meas Guidance v04.
4. ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 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.

218 Maeyeong-ro
<input checked="" type="checkbox"/> Chamber 1
<input checked="" type="checkbox"/> Chamber 2

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <http://www.iasonline.org/PDF/TL/TL-637.pdf>.

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

Where relevant, the following sample calculation is provided:

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

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	2.32 dB
Radiated Disturbance, Below 1GHz	4.14 dB
Radiated Disturbance, Above 1 GHz	5.97 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE Tablet + BT/BLE, DTS/UNII a/b/g/n/ac, ANT+ and NFC Tablet. This test report addresses the DTS (WLAN) operational mode.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum total conducted average output power as follows:

Frequency Range [MHz]	Mode	Output Power [dBm]	Output Power [mW]
2412 - 2472	802.11b	17.08	51.05
	802.11g	16.13	41.02
	802.11n HT20	16.40	43.65

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an internal antennas, with a antenna's maximum gain of -1.3 dBi.

5.4. WORST-CASE CONFIGURATION AND MODE

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

Radiated emission above 1GHz was performed with the EUT set to transmit low/mid/high channels.

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

Based on the baseline scan, the worst-case data rates were:

802.11b mode: 1 Mbps
802.11g mode: 6 Mbps
802.11n HT20 mode: MCS0

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA12CBC	DK2J606HS/B- E	N/A
Data Cable	SAMSUNG	EP-DN930CWE	N/A	N/A
Earphone	SAMSUNG	EO-EG920BW	N/A	N/A

I/O CABLES

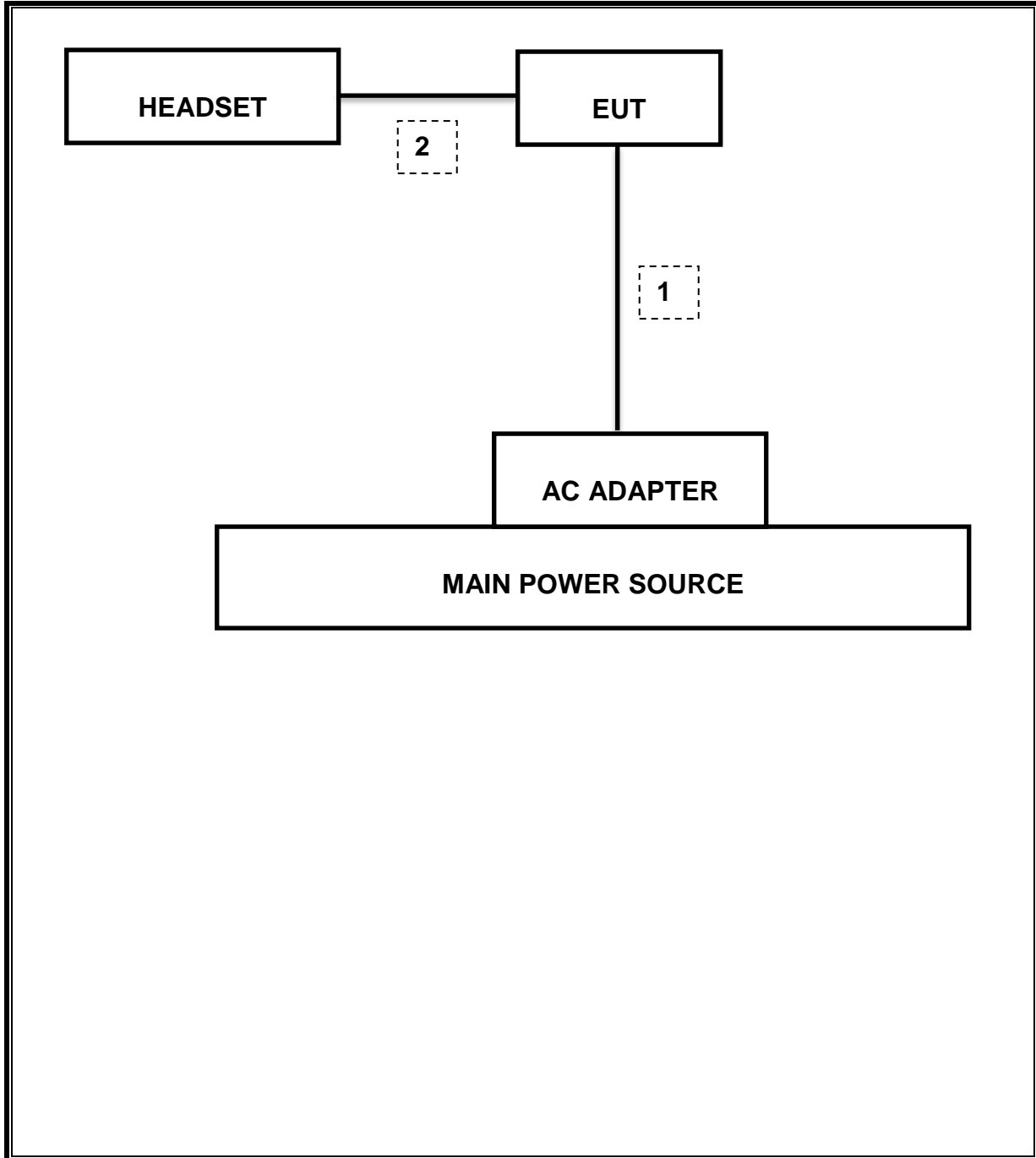
I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	C-type	Shielded	1.2m	N/A
2	Audio	2	Mini-Jack	Unshielded	1.2m	N/A

NOTE : Protective cover (with S-pen) is in-box item. So additional radiated spurious emission measurements were performed on worst case equipped with protective case.

TEST SETUP

The EUT is a stand-alone unit during the tests.
 Test software in hidden menu exercised the EUT to enable DTS mode.

SETUP DIAGRAM FOR TESTS



6. TEST AND MEASUREMENT EQUIPMENT

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

Test Equipment List				
Description	Manufacturer	Model	S/N	Cal Due
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	08-31-19
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	04-14-19
Antenna, Horn, 18 GHz	ETS	3115	00167211	10-14-18
Antenna, Horn, 18 GHz	ETS	3115	00161451	03-10-19
Antenna, Horn, 18 GHz	ETS	3117	00168724	05-31-19
Antenna, Horn, 18 GHz	ETS	3117	00168717	05-31-19
Antenna, Horn, 40 GHz	ETS	3116C	00166155	11-30-17
Antenna, Horn, 40 GHz	ETS	3116C-PA	00168841	12-15-17
Attenuator / Switch driver	HP	11713A	3748A04272	N/A
Preamplifier, 1000 MHz	Sonoma	310N	341282	08-09-18
Preamplifier, 1000 MHz	Sonoma	310N	351741	08-07-18
Preamplifier	ETS	3115-PA	00167475	08-09-18
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	08-08-18
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	08-08-18
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	08-08-18
Average Power Sensor	Agilent / HP	U2000	MY54270007	08-08-18
Attenuator	PASTERNAK	PE7087-10	A009	08-08-18
EMI Test Receive, 40 GHz	R&S	ESU40	100439	08-08-18
EMI Test Receive, 40 GHz	R&S	ESU40	100457	08-08-18
EMI Test Receive, 3 GHz	R&S	ESR3	101832	08-07-18
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	009	08-08-18
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	015	08-08-18
High Pass Filter 3GHz	Micro-Tronics	HPM17543	010	08-08-18
High Pass Filter 3GHz	Micro-Tronics	HPM17543	015	08-08-18
High Pass Filter 6GHz	Micro-Tronics	HPM17542	009	08-08-18
High Pass Filter 6GHz	Micro-Tronics	HPM17542	016	08-08-18
LISN	R&S	ENV-216	101837	08-09-18
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	11-25-17
UL Software				
Description	Manufacturer	Model	Version	
Radiated software	UL	UL EMC	Ver 9.5	
AC Line Conducted software	UL	UL EMC	Ver 9.5	

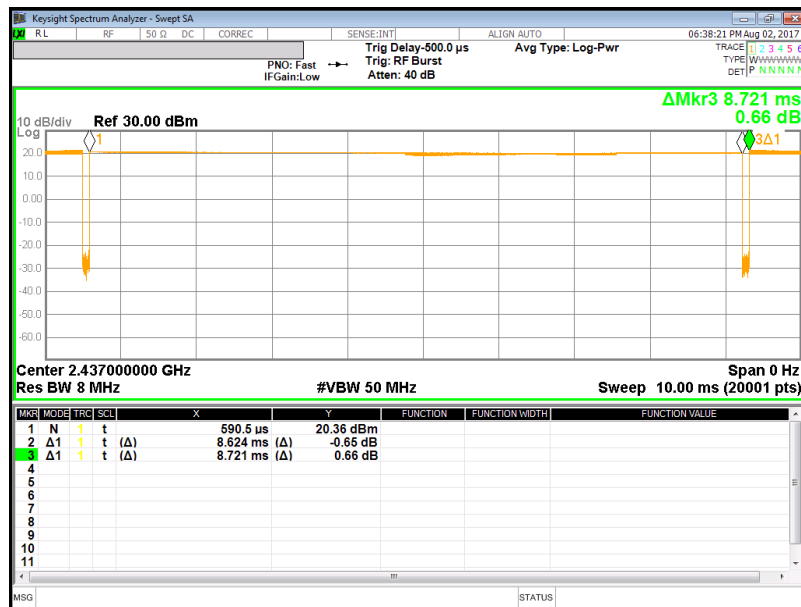
7. REFERENCE MEASUREMENT RESULTS

7.1. ON TIME AND DUTY CYCLE RESULTS

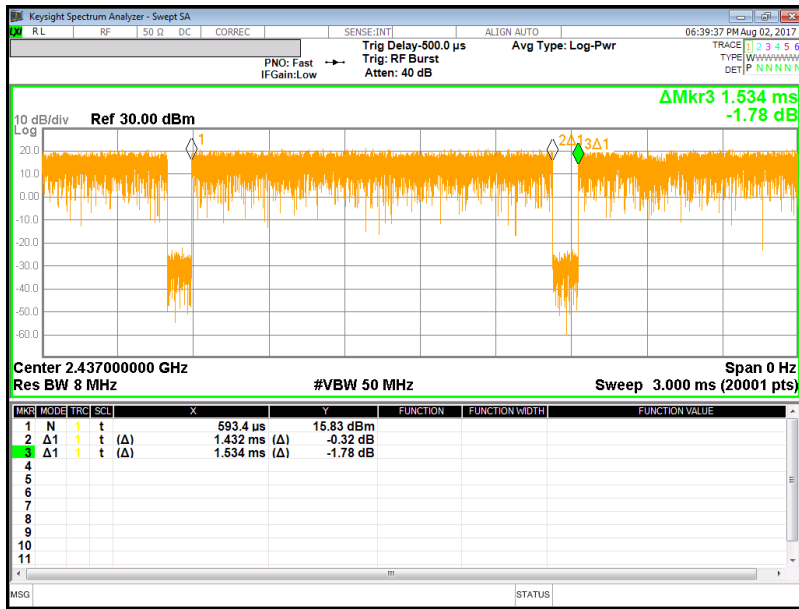
LIMITS

None; for reporting purposes only.

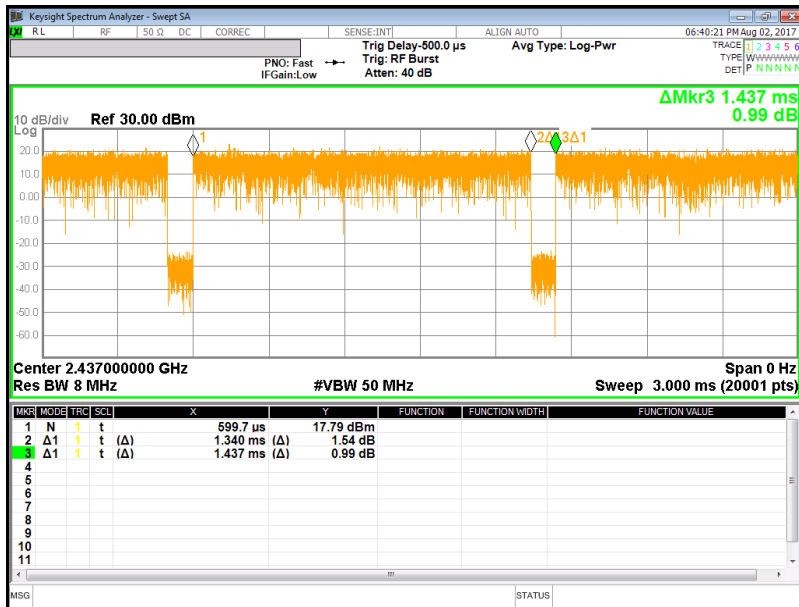
Mode	ON Time B [msec]	Period [msec]	Duty Cycle x [linear]	Duty Cycle [%]	Duty Cycle Correction Factor [dB]	1/T Minimum VBW [kHz]
2400MHz Bands						
802.11b	8.624	8.721	0.989	98.9%	0.00	0.010
802.11g	1.432	1.534	0.934	93.4%	0.30	0.698
802.11n HT20	1.34	1.437	0.932	93.2%	0.30	0.746



[802.11b]



[802.11g]



[802.11n]

8. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result	Worst Case
15.247 (a)(2)	Occupied Band width (6dB)	>500KHz	Conducted	Pass	7.552 MHz
2.1051, 15.247 (d)	Band Edge / Conducted Spurious Emission	-30dBc		Pass	-30.685 dBm
15.247 (b)(3)	TX conducted output power	<30dBm		Pass	17.08 dBm
15.247 (e)	PSD	<8dBm		Pass	-13.962 dBm
15.207 (a)	AC Power Line conducted emissions	Section 10	Power Line conducted	Pass	50.26 dBuV (Pk)
15.205, 15.209	Radiated Spurious Emission	< 54dBuV/m	Radiated	Pass	44.26 dBuV/m (Av)

9. ANTENNA PORT TEST RESULTS

9.1. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

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

TEST PROCEDURE

Reference to KDB 558074 D01 DTS Meas Guidance v04: The transmitter output is connected to a spectrum analyzer with the RBW set to 100KHz, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

RESULTS

9.1.1. 802.11b MODE IN THE 2.4 GHz BAND

Channel	Frequency [MHz]	6 dB Bandwidth [MHz]	Minimum Limit [MHz]
Low	2412	7.583	0.5
Mid	2437	8.033	0.5
High	2462	9.003	0.5
12	2467	7.552	0.5
13	2472	8.515	0.5
Worst		7.552	0.5

9.1.2. 802.11g MODE IN THE 2.4 GHz BAND

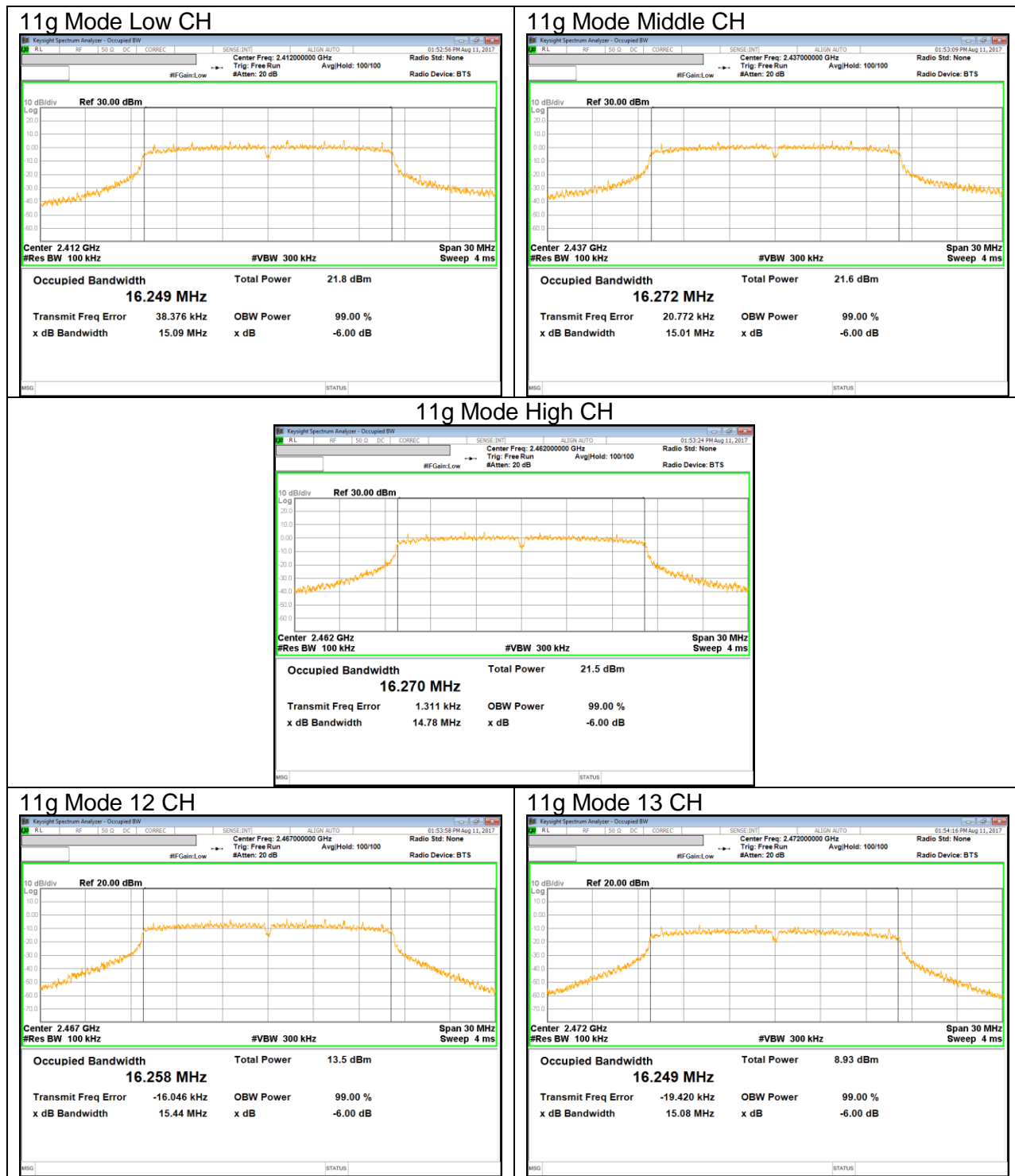
Channel	Frequency [MHz]	6 dB Bandwidth [MHz]	Minimum Limit [MHz]
Low	2412	15.090	0.5
Mid	2437	15.010	0.5
High	2462	14.780	0.5
12	2467	15.440	0.5
13	2472	15.080	0.5
Worst		14.780	0.5

9.1.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

Channel	Frequency [MHz]	6 dB Bandwidth [MHz]	Minimum Limit [MHz]
Low	2412	15.060	0.5
Mid	2437	15.060	0.5
High	2462	15.070	0.5
12	2467	15.330	0.5
13	2472	15.040	0.5
Worst		15.040	0.5

9.1.4. 6 dB BANDWIDTH PLOTS







9.2. OUTPUT POWER

LIMITS

FCC §15.247

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.

DIRECTIONAL ANTENNA GAIN

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

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 direct reading of power.

Output power measurement was performed utilizing the “§9.2.3.1 AVGPM” under KDB558074 D01 DTS Meas Guidance v04.

Duty cycle correction factor is already added to the average output power results for duty cycle factor < 98%. (802.11g, 802.11n mode)

RESULTS

9.2.1. 802.11b MODE IN THE 2.4 GHz BAND

Limits

Channel	Frequency [MHz]	Directional Gain Primary [dBi]	FCC Power Limit [dBm]	Max Power [dBm]
Low	2412	-1.30	30.00	30.00
Mid	2437	-1.30	30.00	30.00
High	2462	-1.30	30.00	30.00
12	2467	-1.30	30.00	30.00
13	2472	-1.30	30.00	30.00

Results

Channel	Frequency [MHz]	Meas Power [dBm]	Total Power [dBm]	Power Limit [dBm]	Margin [dB]
Low	2412	17.05	17.05	30.00	-12.95
Mid	2437	17.08	17.08	30.00	-12.92
High	2462	16.88	16.88	30.00	-13.12
12	2467	7.87	7.87	30.00	-22.13
13	2472	7.83	7.83	30.00	-22.17
Worst			17.08	30.00	-12.92

9.2.2. 802.11g MODE IN THE 2.4 GHz BAND

Limits

Channel	Frequency [MHz]	Directional Gain Primary [dBi]	FCC Power Limit [dBm]	Max Power [dBm]
Low	2412	-1.30	30.00	30.00
Mid	2437	-1.30	30.00	30.00
High	2462	-1.30	30.00	30.00
12	2467	-1.30	30.00	30.00
13	2472	-1.30	30.00	30.00

Results

Channel	Frequency [MHz]	Meas Power [dBm]	Total Power [dBm]	Power Limit [dBm]	Margin [dB]
Low	2412	16.13	16.13	30.00	-13.87
Mid	2437	16.11	16.11	30.00	-13.89
High	2462	15.99	15.99	30.00	-14.01
12	2467	8.13	8.13	30.00	-21.87
13	2472	3.39	3.39	30.00	-26.61
Worst			16.13	30.00	-13.87

9.2.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

Limits

Channel	Frequency [MHz]	Directional Gain Primary [dBi]	FCC Power Limit [dBm]	Max Power [dBm]
Low	2412	-1.30	30.00	30.00
Mid	2437	-1.30	30.00	30.00
High	2462	-1.30	30.00	30.00
12	2467	-1.30	30.00	30.00
13	2472	-1.30	30.00	30.00

Results

Channel	Frequency [MHz]	Meas Power [dBm]	Total Power [dBm]	Power Limit [dBm]	Margin [dB]
Low	2412	16.40	16.40	30.00	-13.60
Mid	2437	16.39	16.39	30.00	-13.61
High	2462	16.30	16.30	30.00	-13.70
12	2467	8.21	8.21	30.00	-21.79
13	2472	2.45	2.45	30.00	-27.55
Worst			16.40	30.00	-13.60

9.3. PSD

LIMITS

FCC §15.247

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.

TEST PROCEDURE

Power Spectral Density was performed utilizing the “Method §10.3 AVGPS-1 (802.11 b mode) and §10.5 AVGPS-2(802.11 g/n mode)” under KDB558074 D01 DTS Meas Guidance v04.

RESULTS

9.3.1. 802.11b MODE IN THE 2.4 GHz BAND

PSD Results

Channel	Frequency [MHz]	PSD Meas [dBm]	Duty Factor [dB]	Final PSD [dBm]	Limit [dBm]	Margin [dB]
Low	2412	-13.962	0.00	-13.962	8.00	-21.962
Mid	2437	-14.051	0.00	-14.051	8.00	-22.051
High	2462	-14.138	0.00	-14.138	8.00	-22.138
12	2467	-22.139	0.00	-22.139	8.00	-30.139
13	2472	-22.229	0.00	-22.229	8.00	-30.229

9.3.2. 802.11g MODE IN THE 2.4 GHz BAND

PSD Results

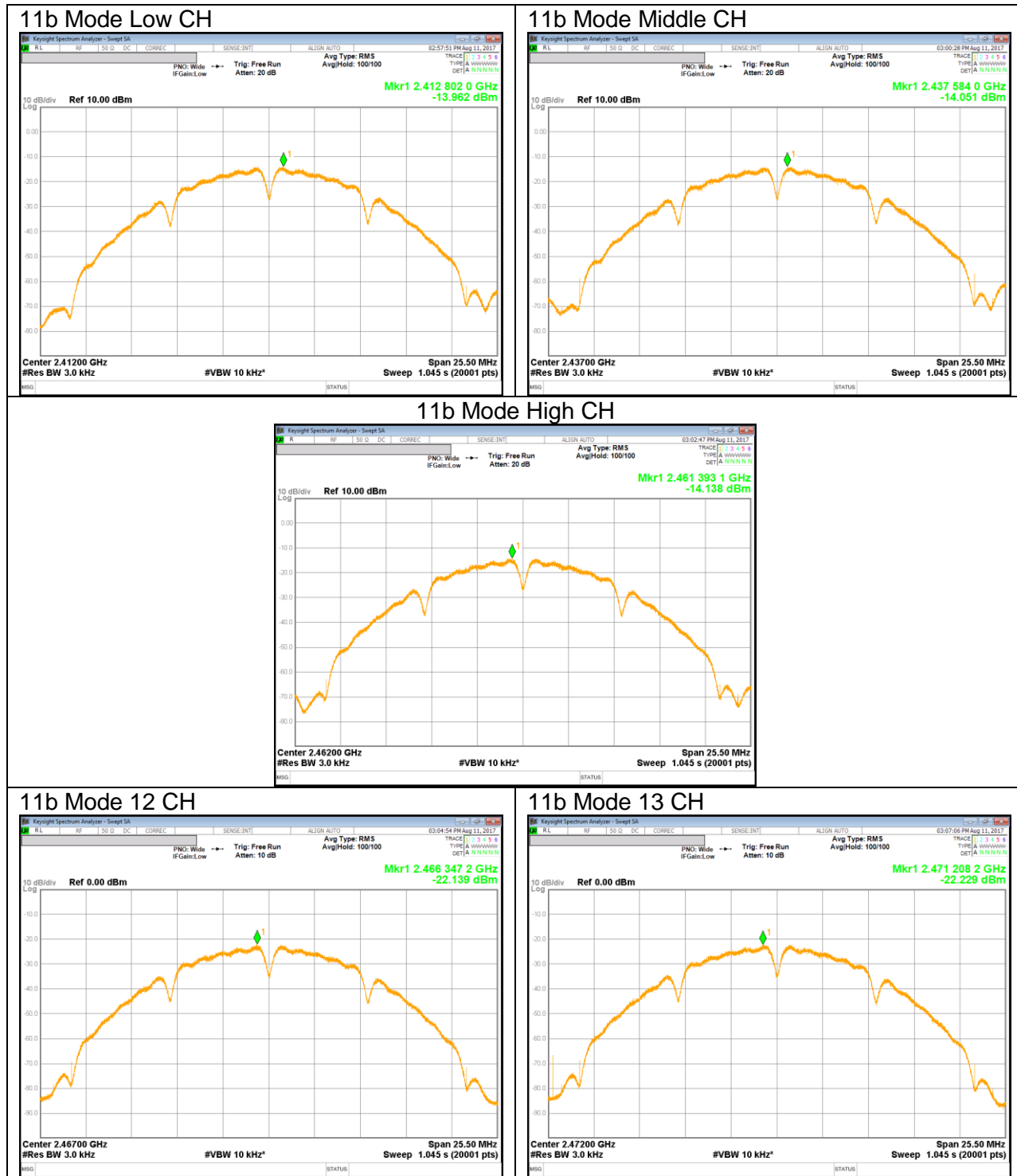
Channel	Frequency [MHz]	PSD Meas [dBm]	Duty Factor [dB]	Final PSD [dBm]	Limit [dBm]	Margin [dB]
Low	2412	-17.707	0.30	-17.407	8.00	-25.707
Mid	2437	-17.478	0.30	-17.178	8.00	-25.478
High	2462	-17.899	0.30	-17.599	8.00	-25.899
12	2467	-25.607	0.30	-25.307	8.00	-33.607
13	2472	-30.353	0.30	-30.053	8.00	-38.353

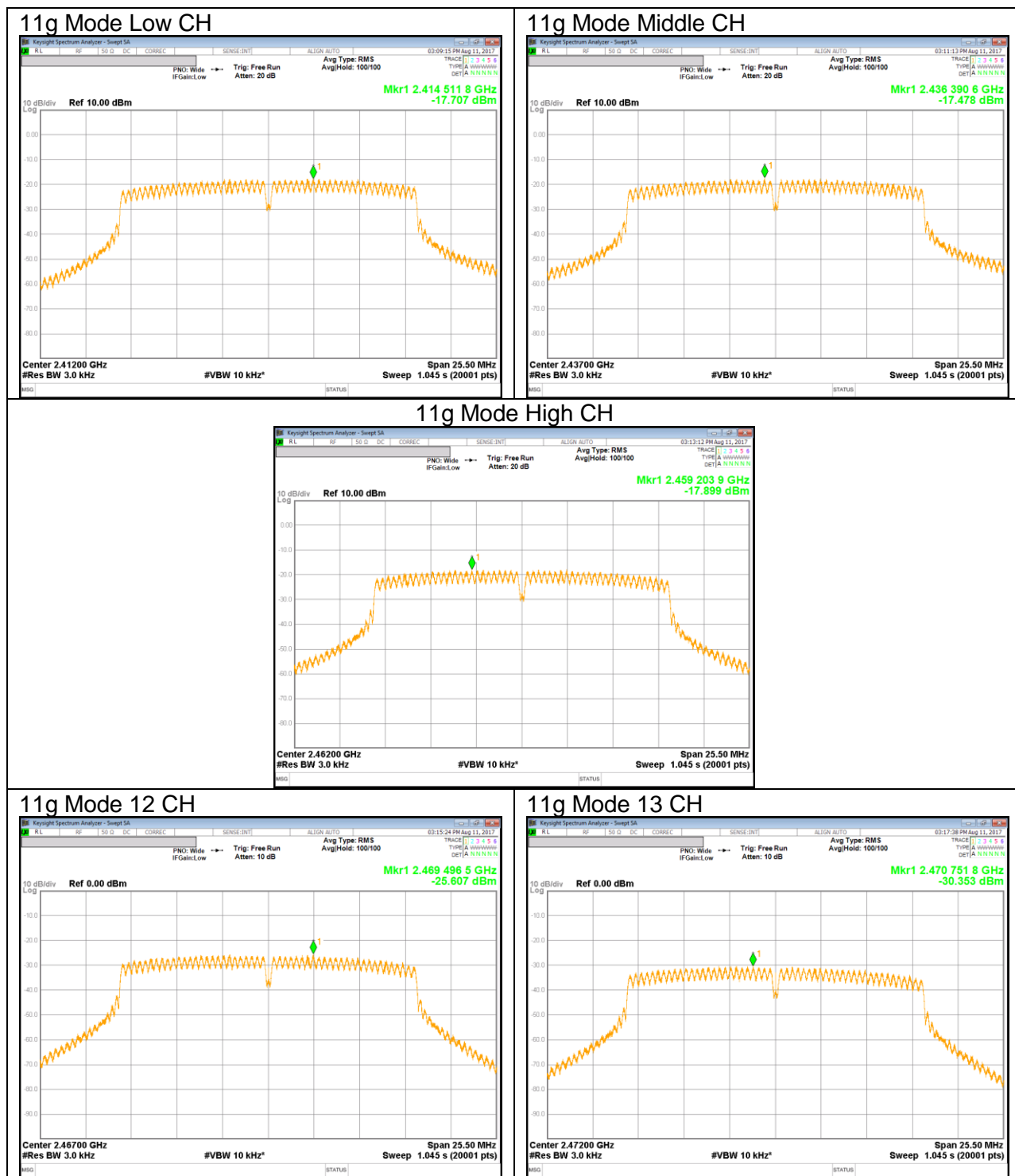
9.3.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND

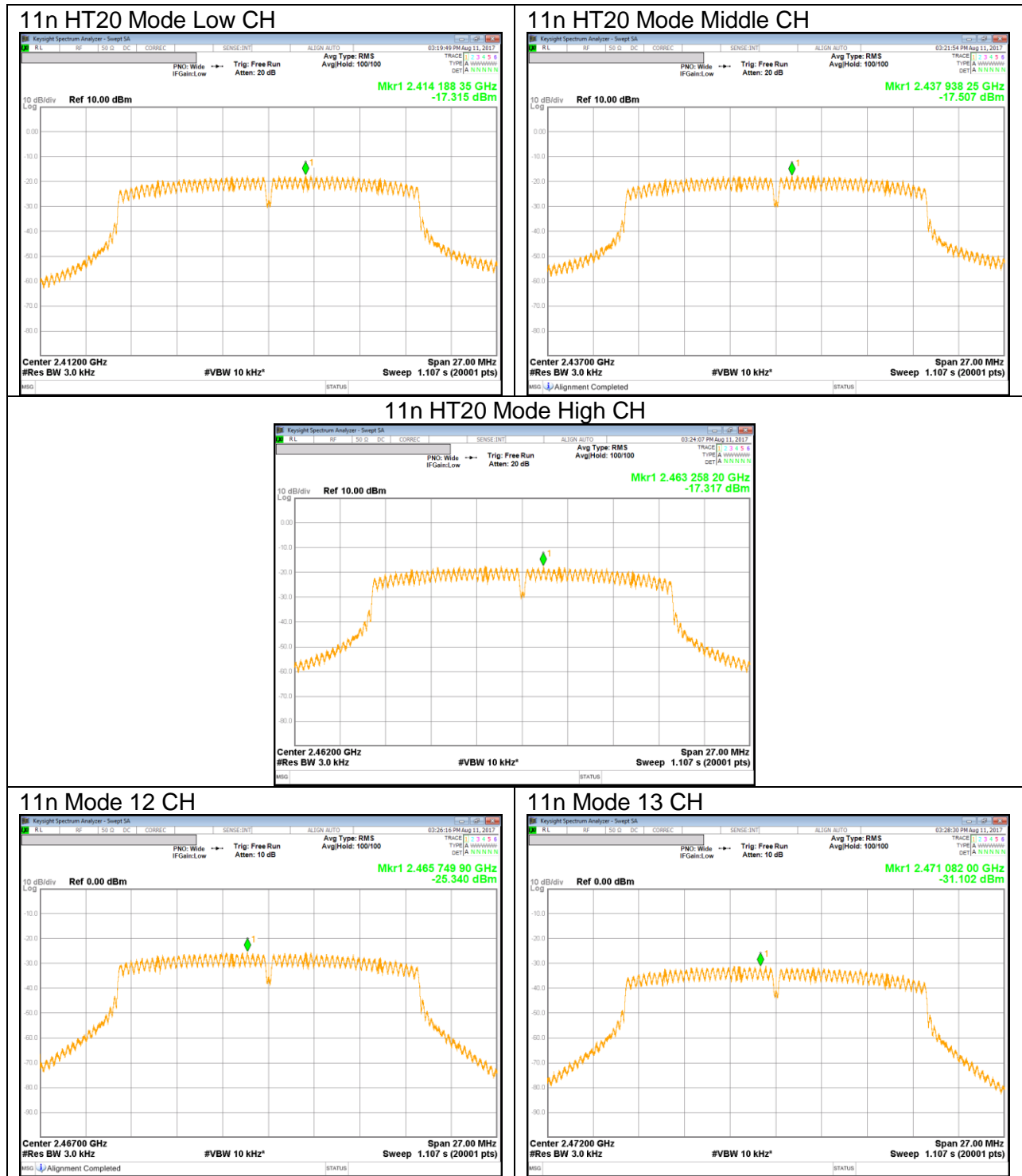
PSD Results

Channel	Frequency [MHz]	PSD Meas [dBm]	Duty Factor [dB]	Final PSD [dBm]	Limit [dBm]	Margin [dB]
Low	2412	-17.315	0.30	-17.015	8.00	-25.315
Mid	2437	-17.507	0.30	-17.207	8.00	-25.507
High	2462	-17.317	0.30	-17.017	8.00	-25.317
12	2467	-25.340	0.30	-25.040	8.00	-33.340
13	2472	-31.102	0.30	-30.802	8.00	-39.102

9.3.4. PSD PLOTS







9.4. OUT-OF-BAND EMISSIONS

LIMITS

FCC §15.247 (d)

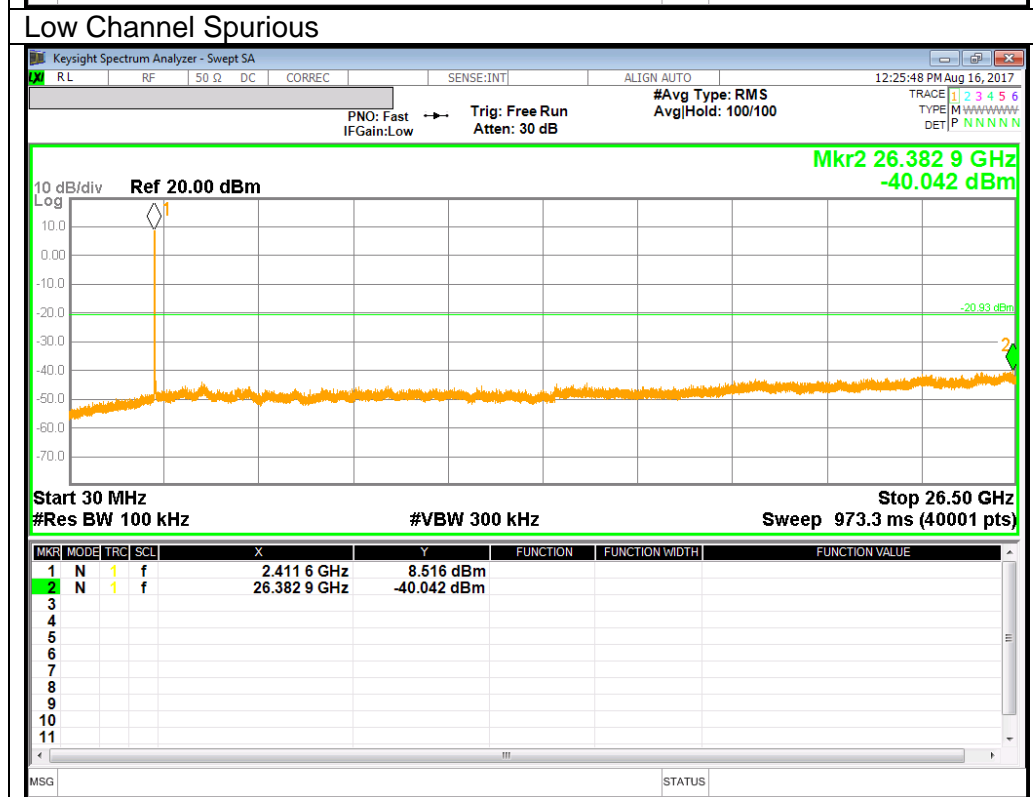
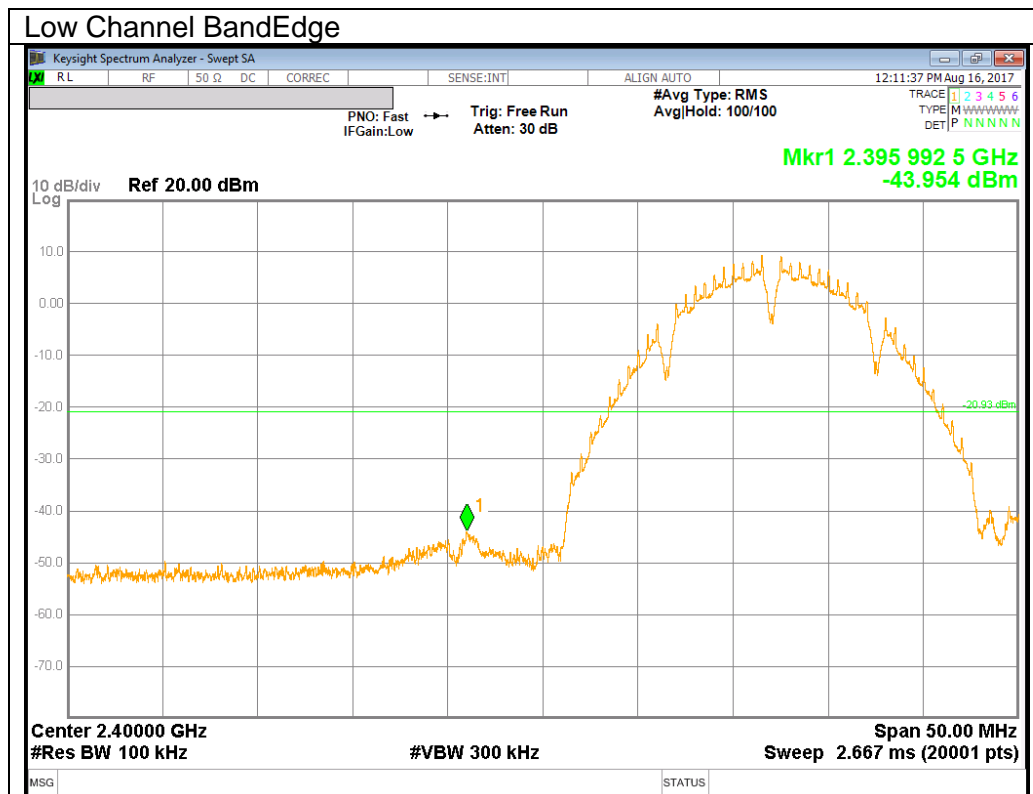
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

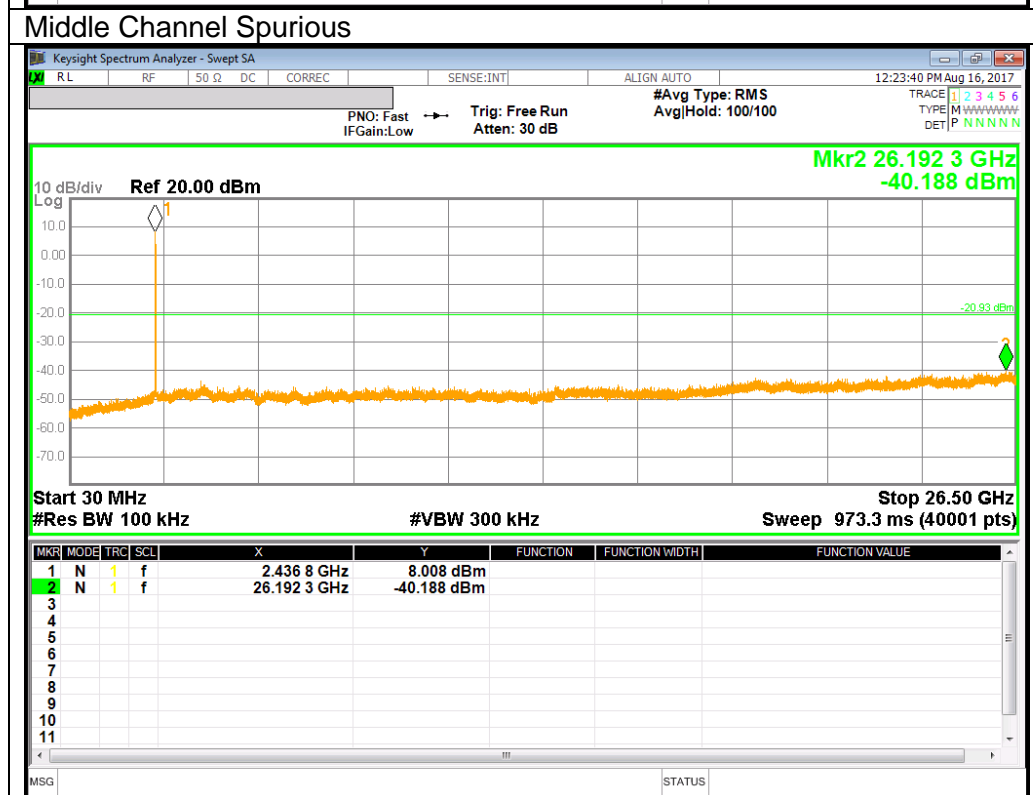
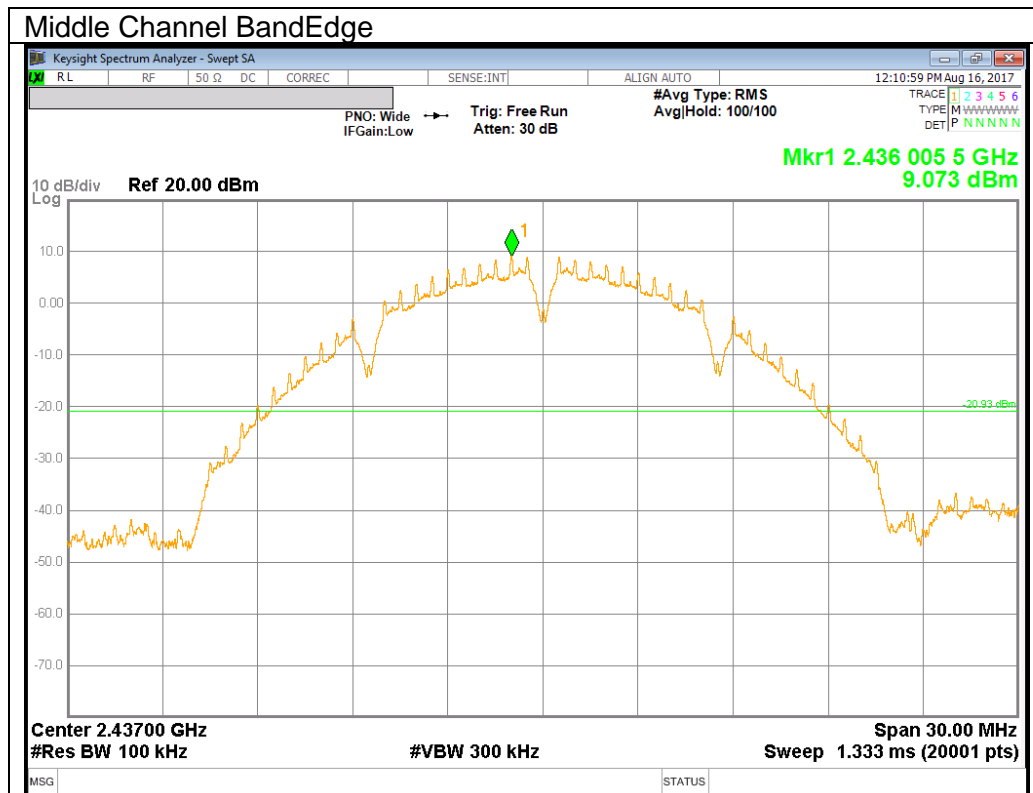
TEST PROCEDURE

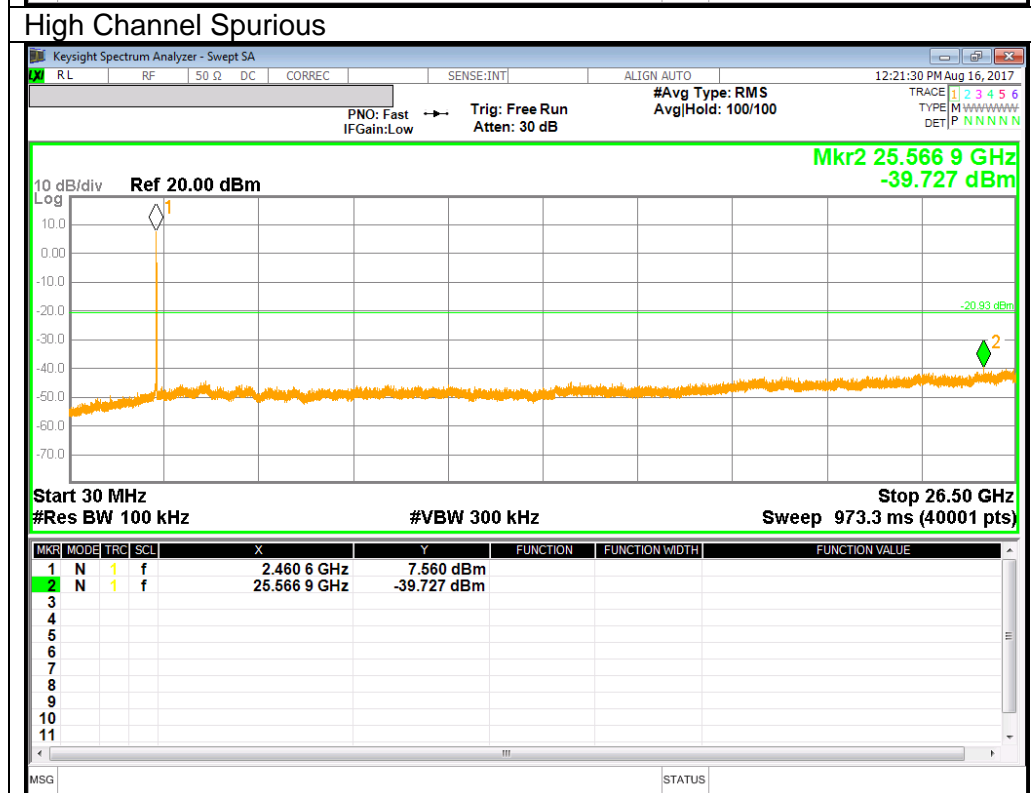
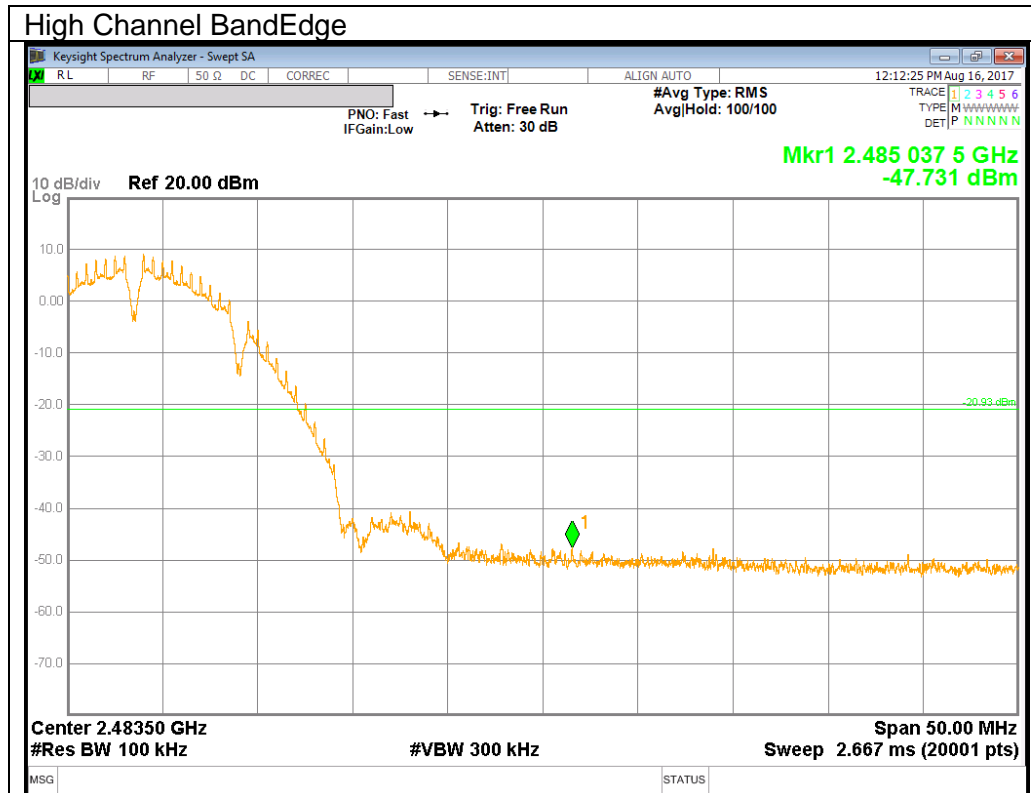
The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions.

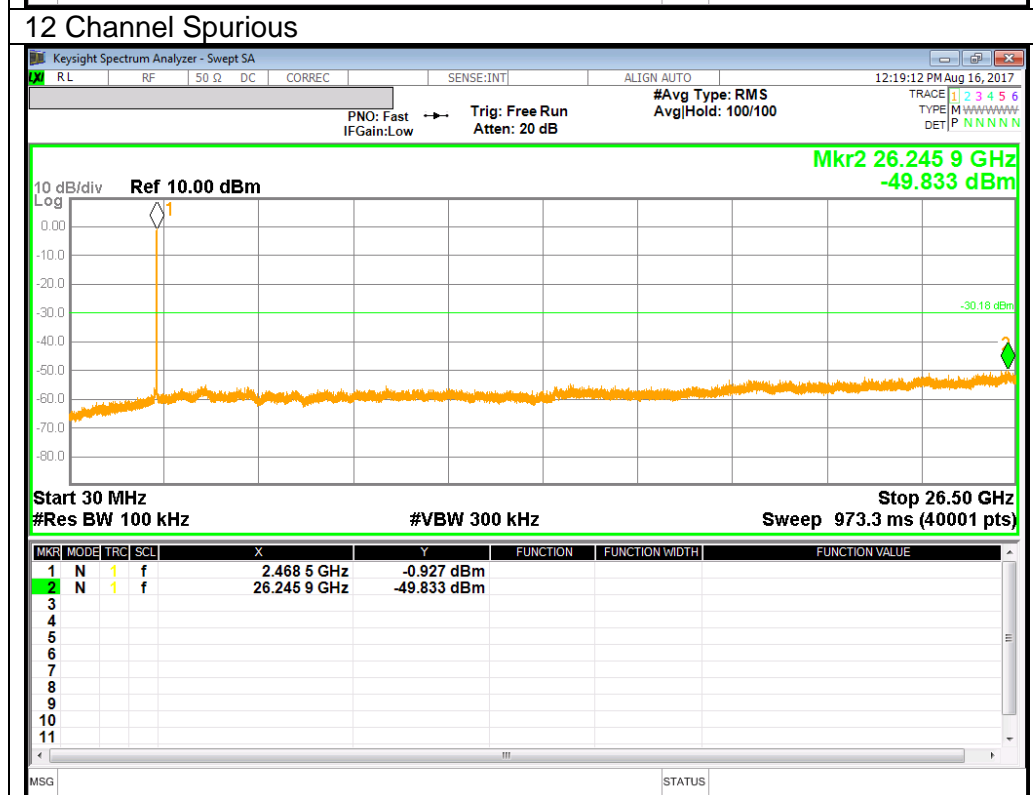
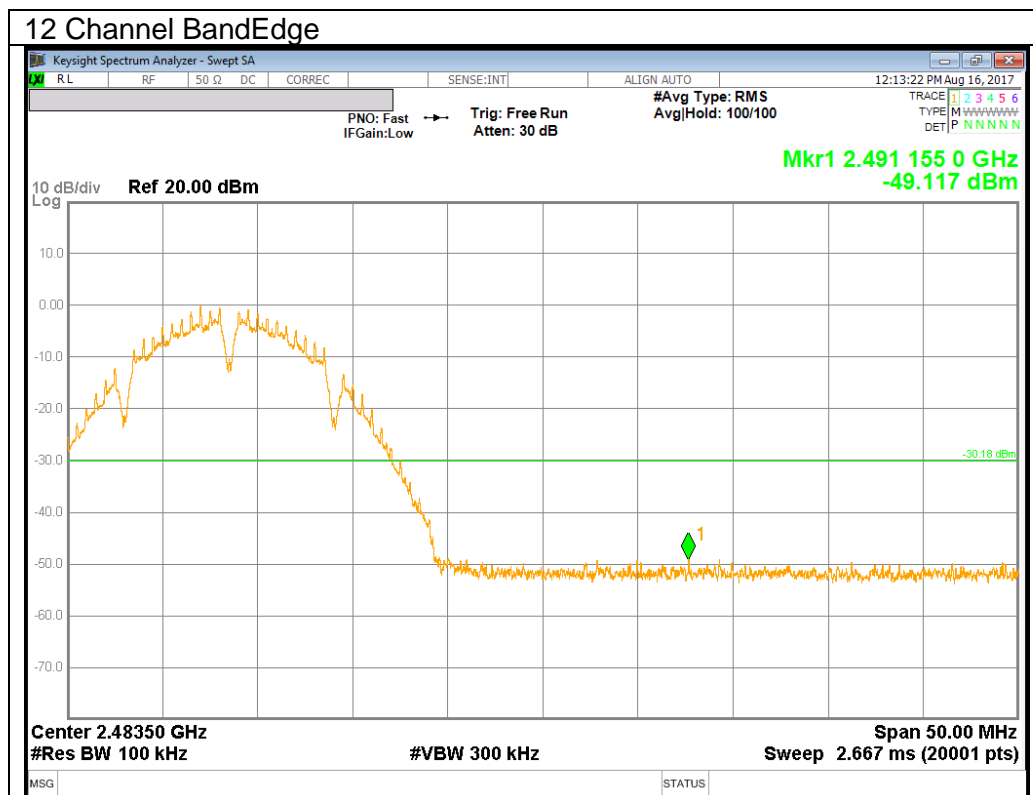
RESULTS

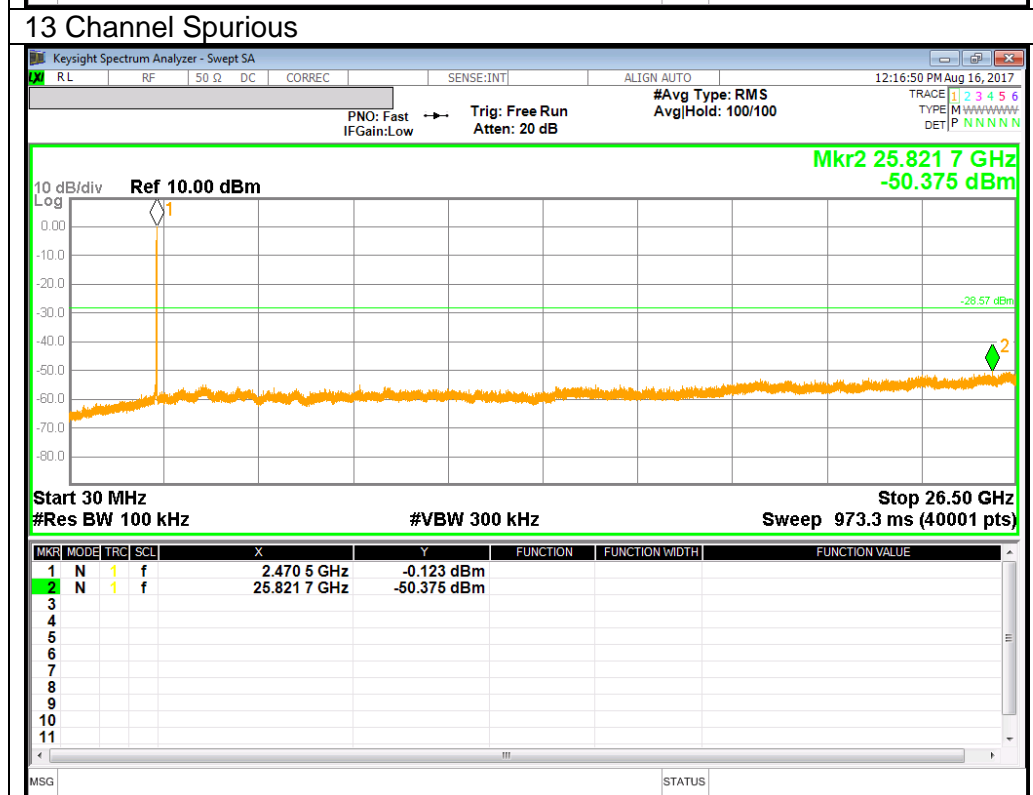
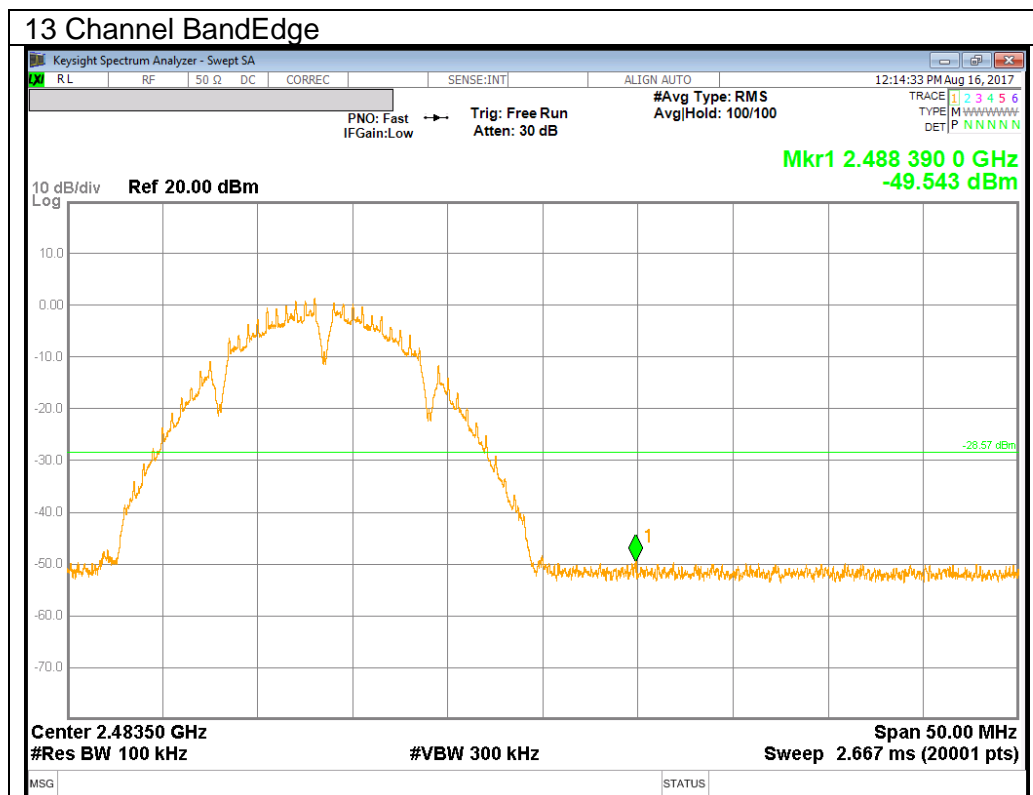
9.4.1. 802.11b MODE IN THE 2.4 GHz BAND



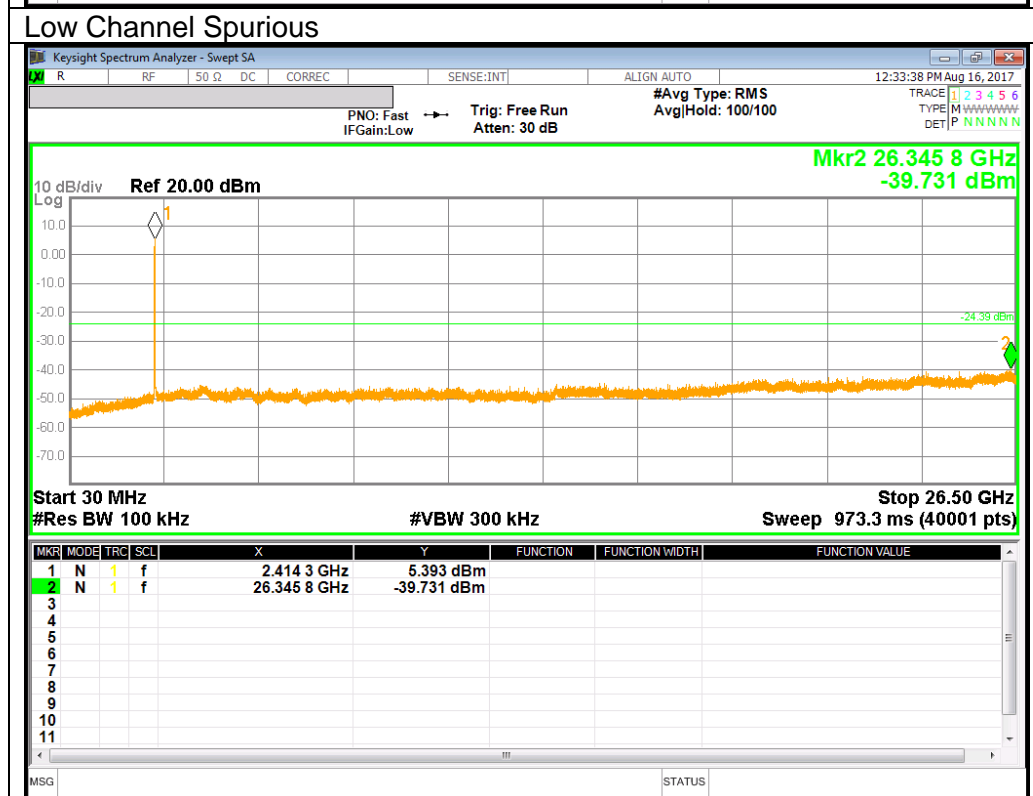
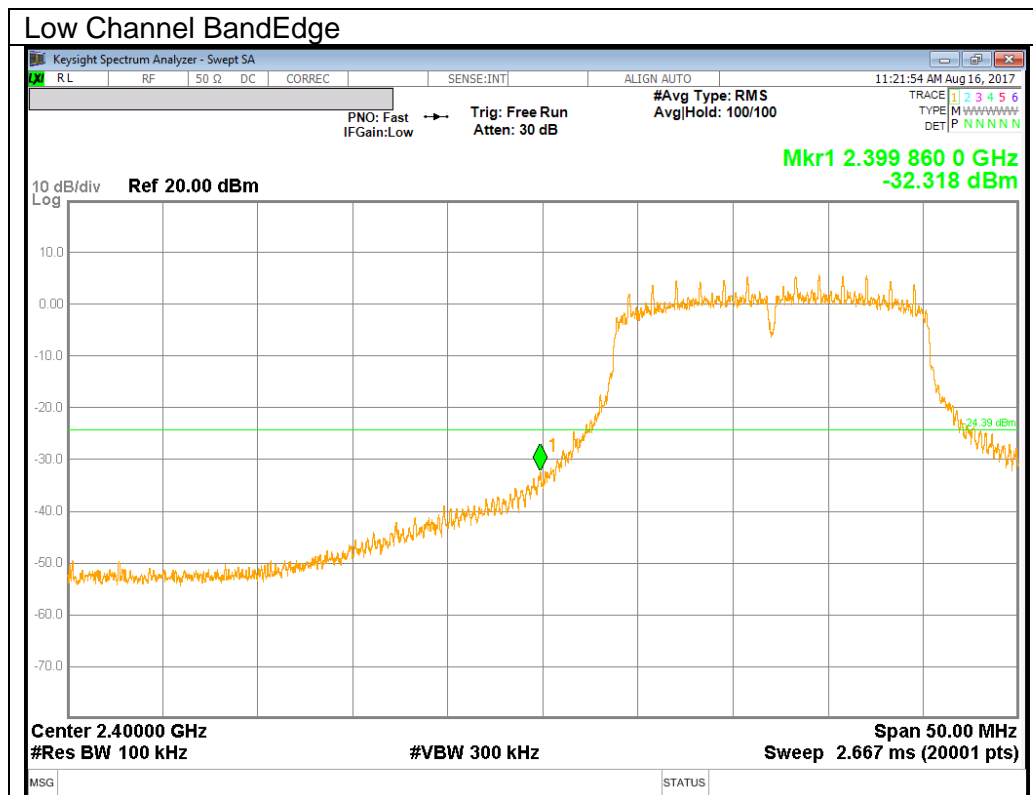


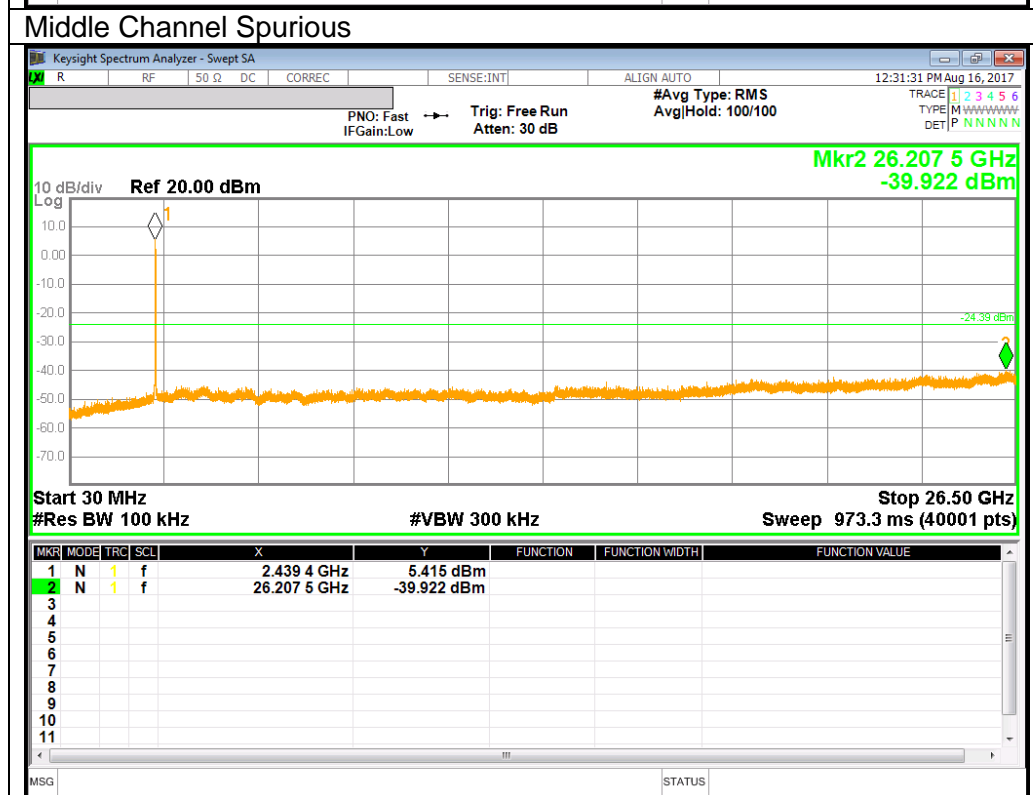
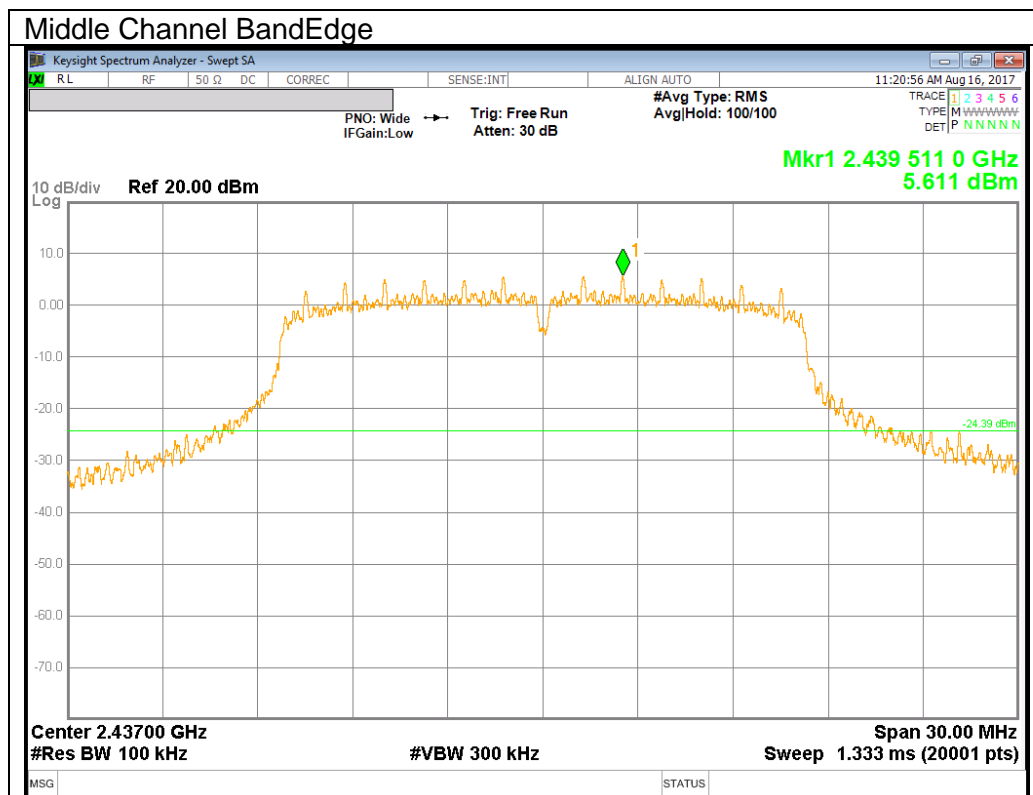


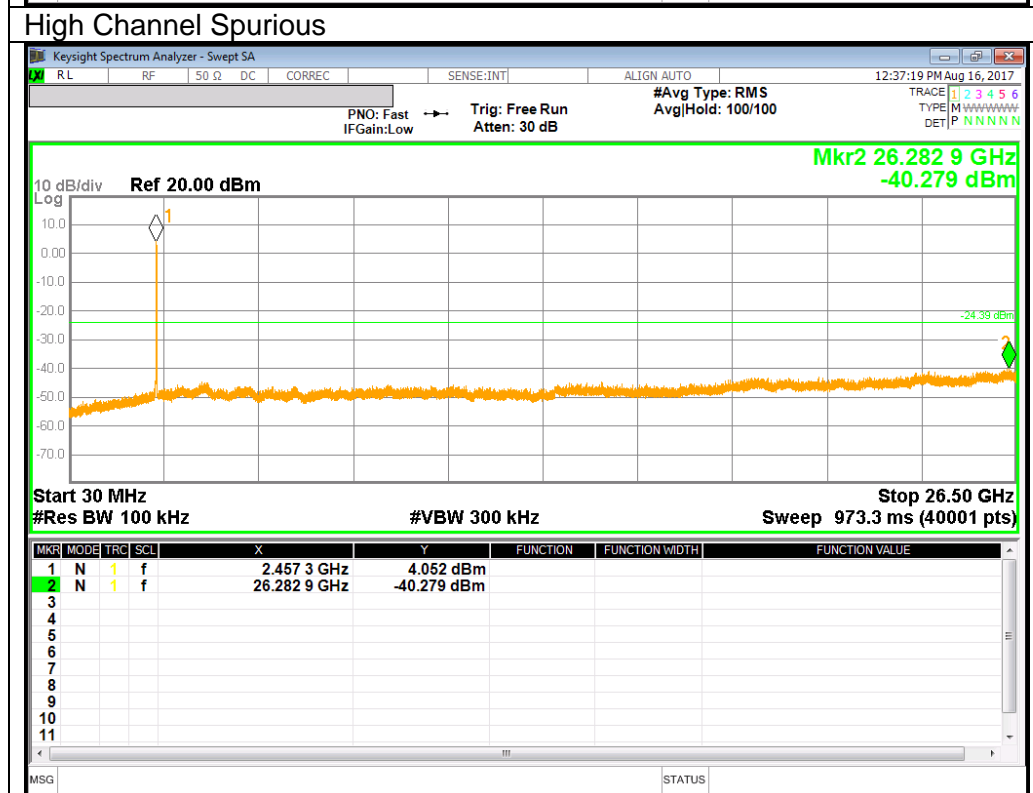
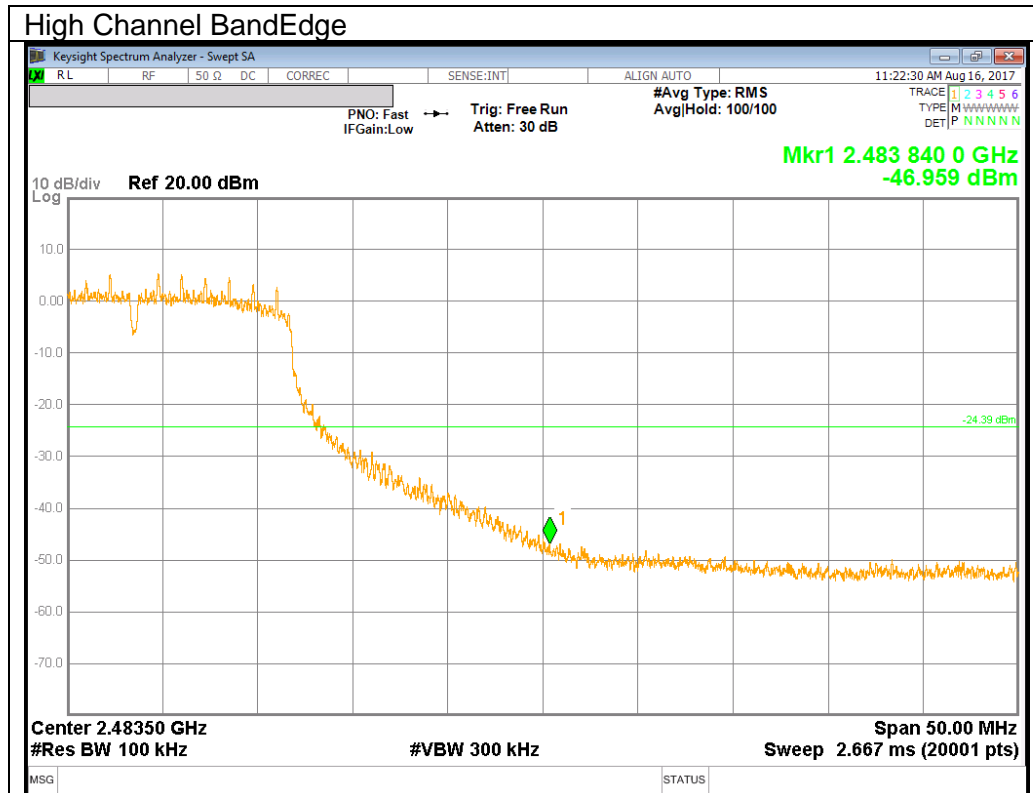


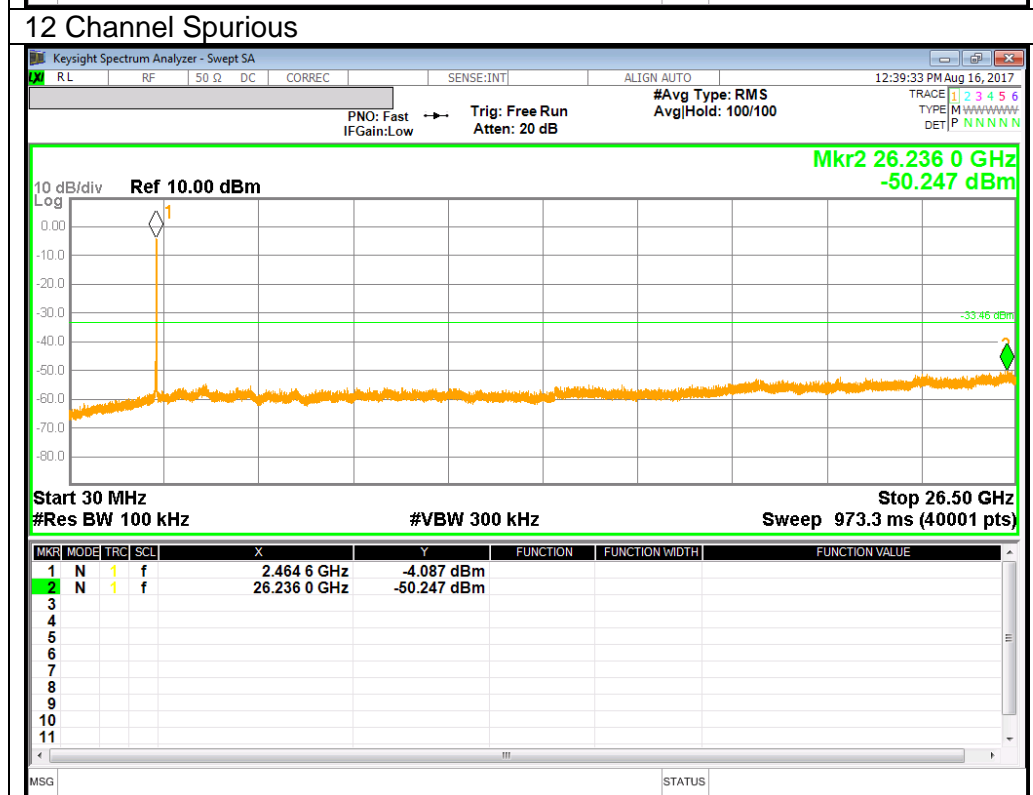
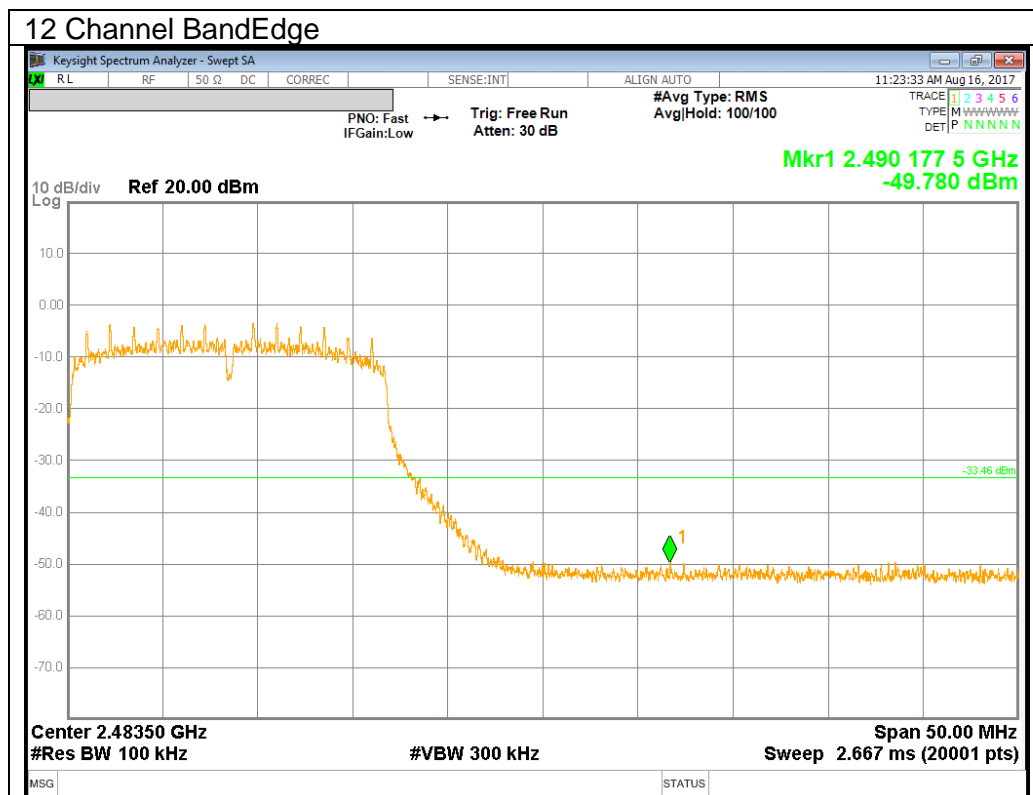


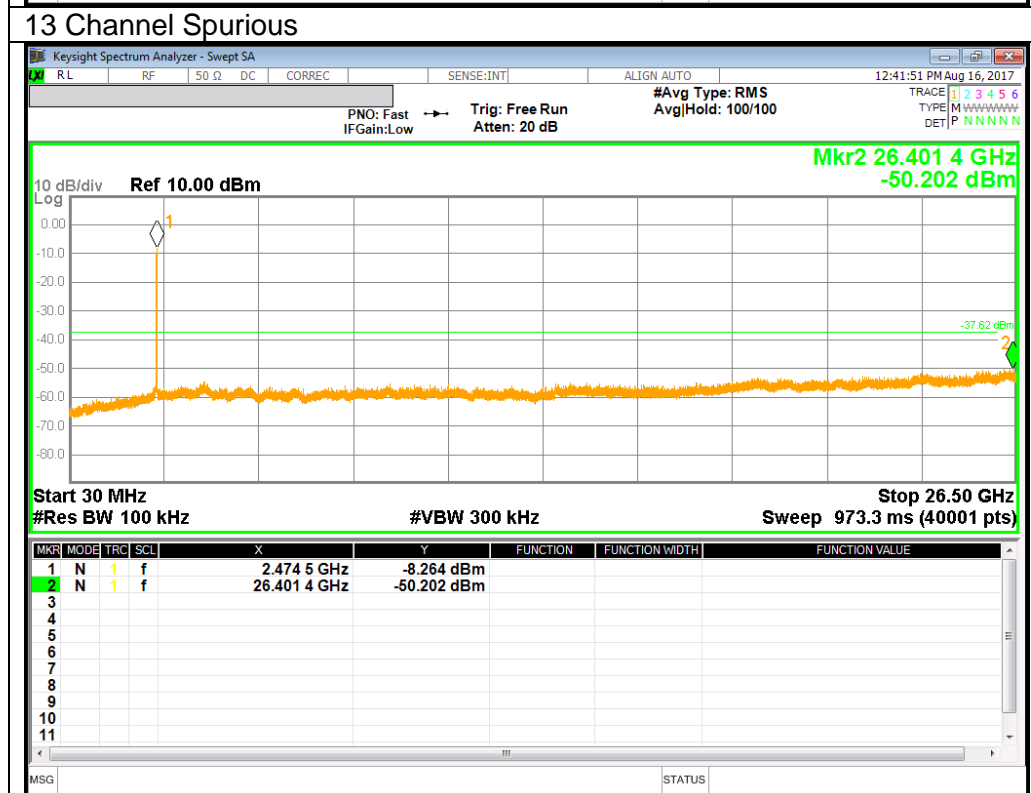
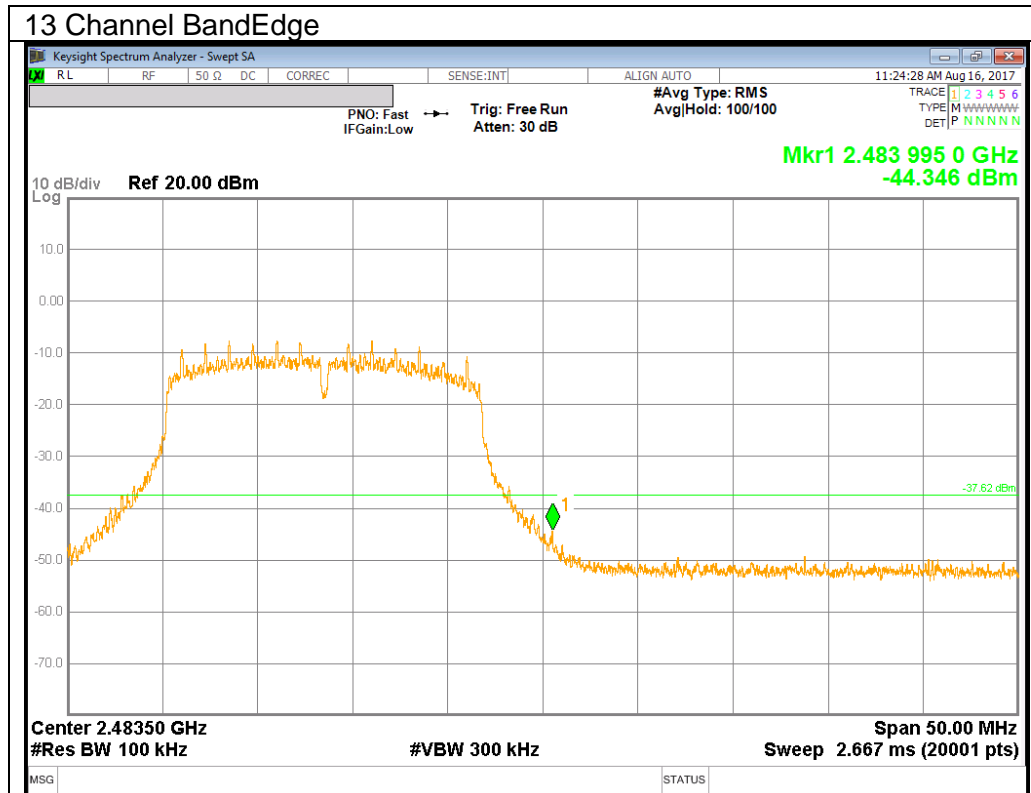
9.4.2. 802.11g MODE IN THE 2.4 GHz BAND



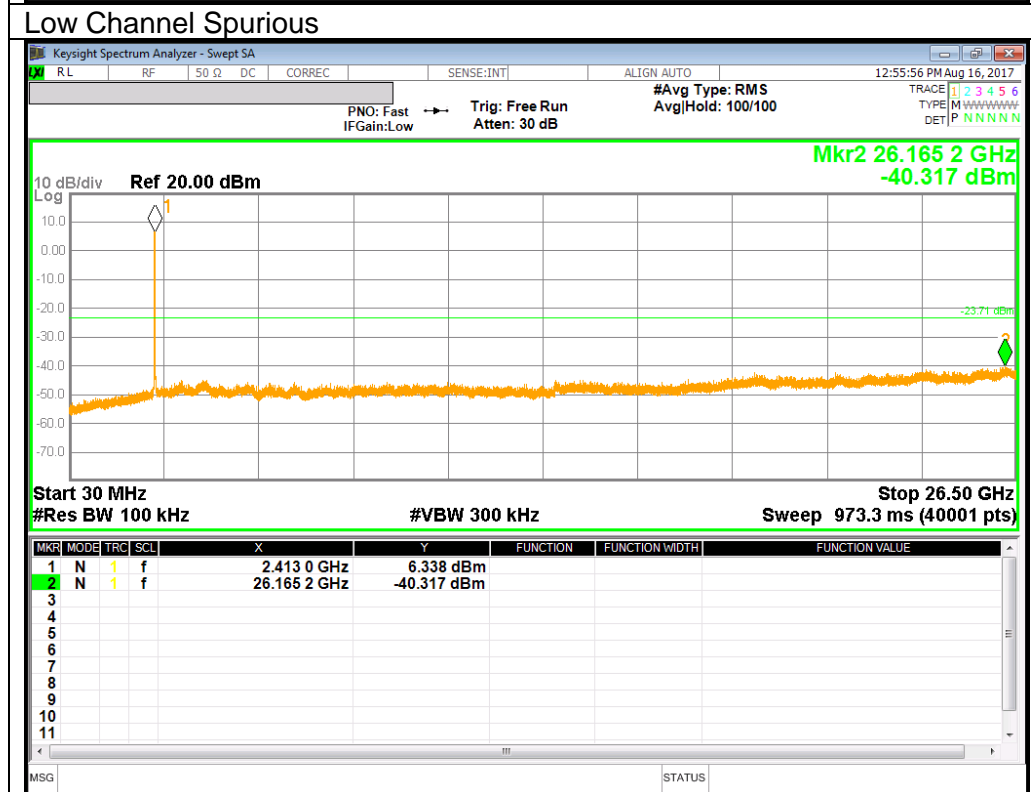
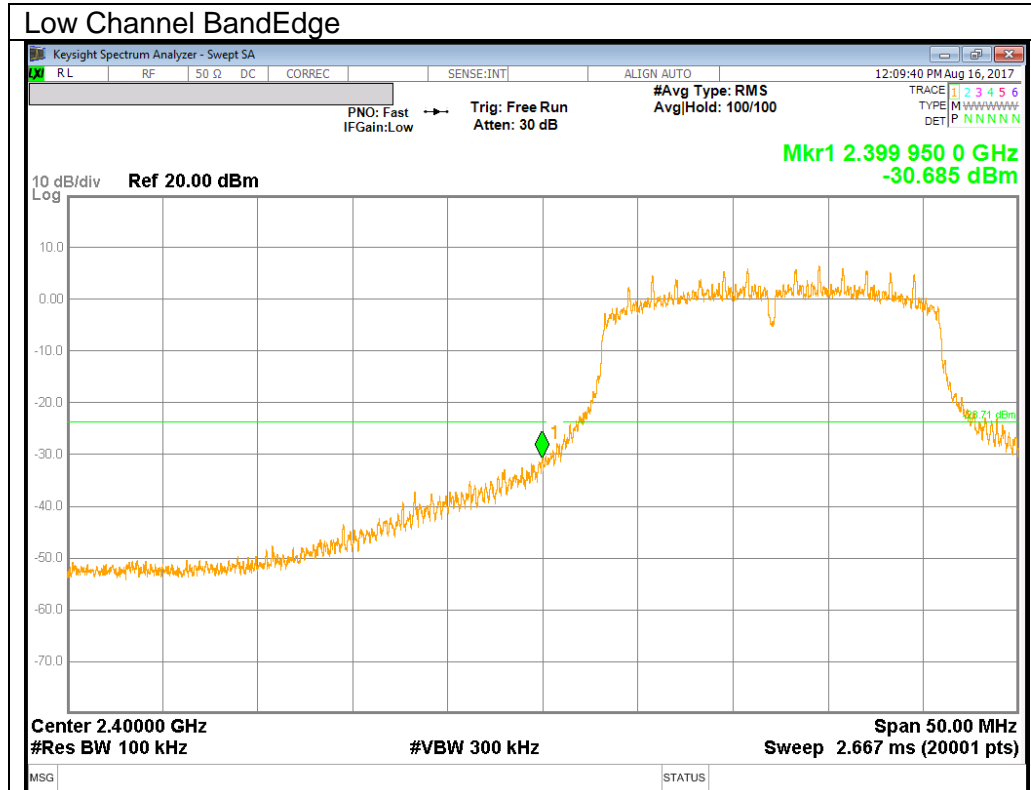


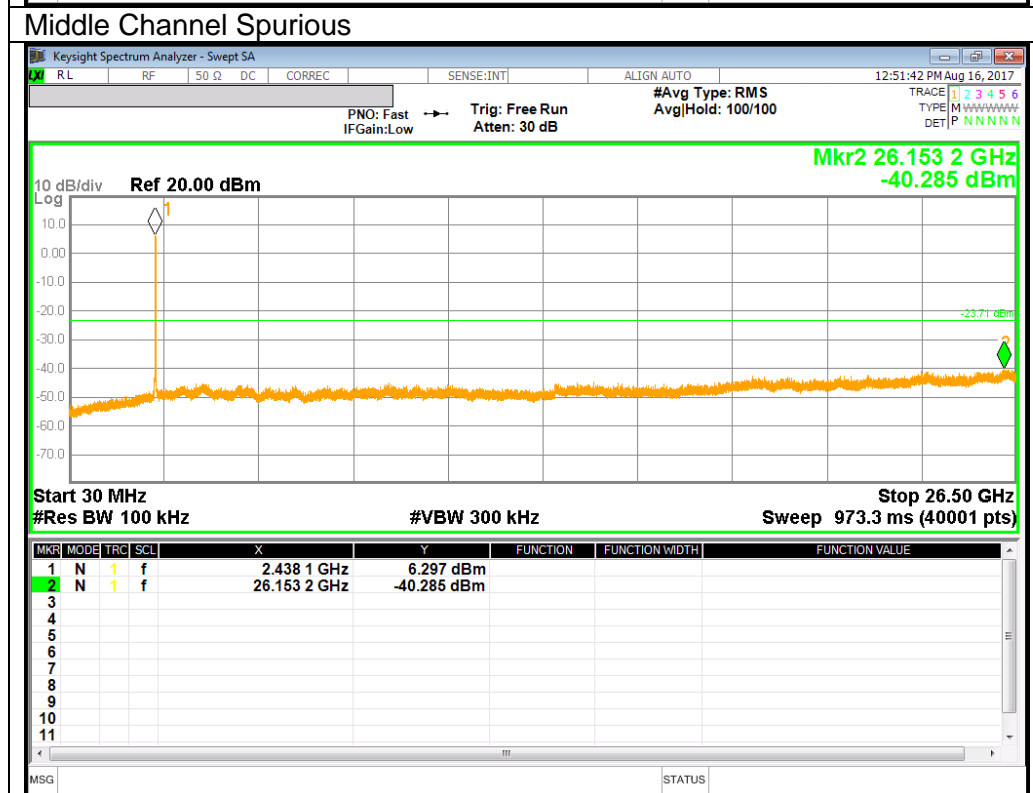
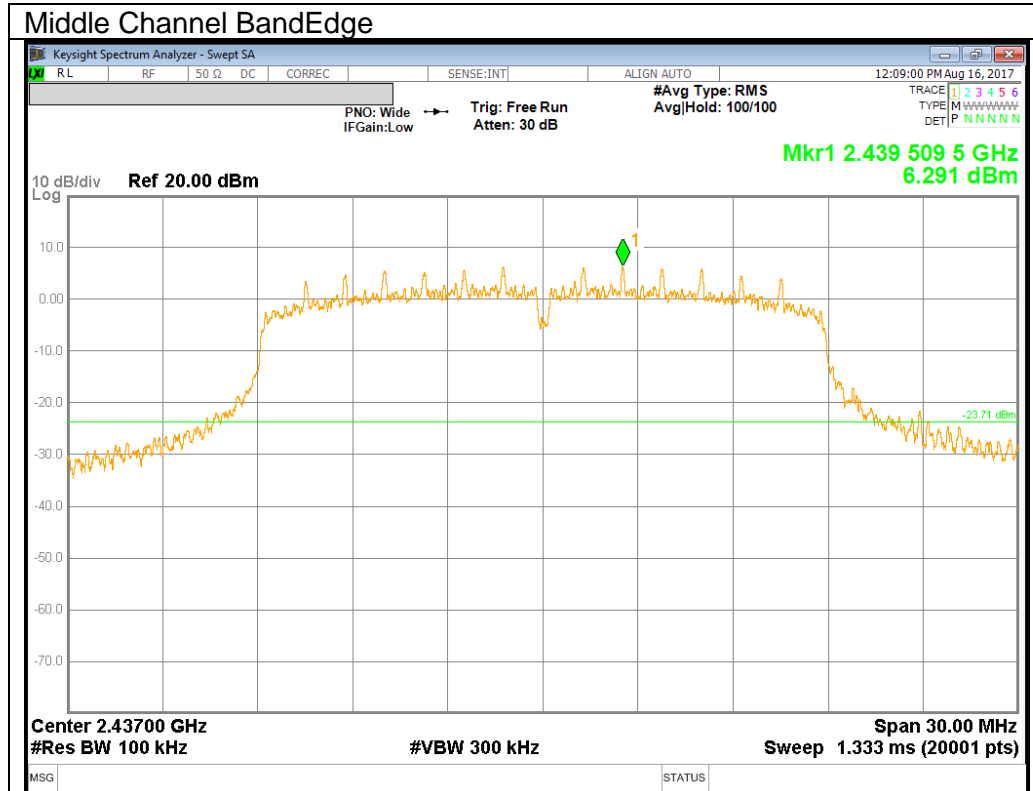


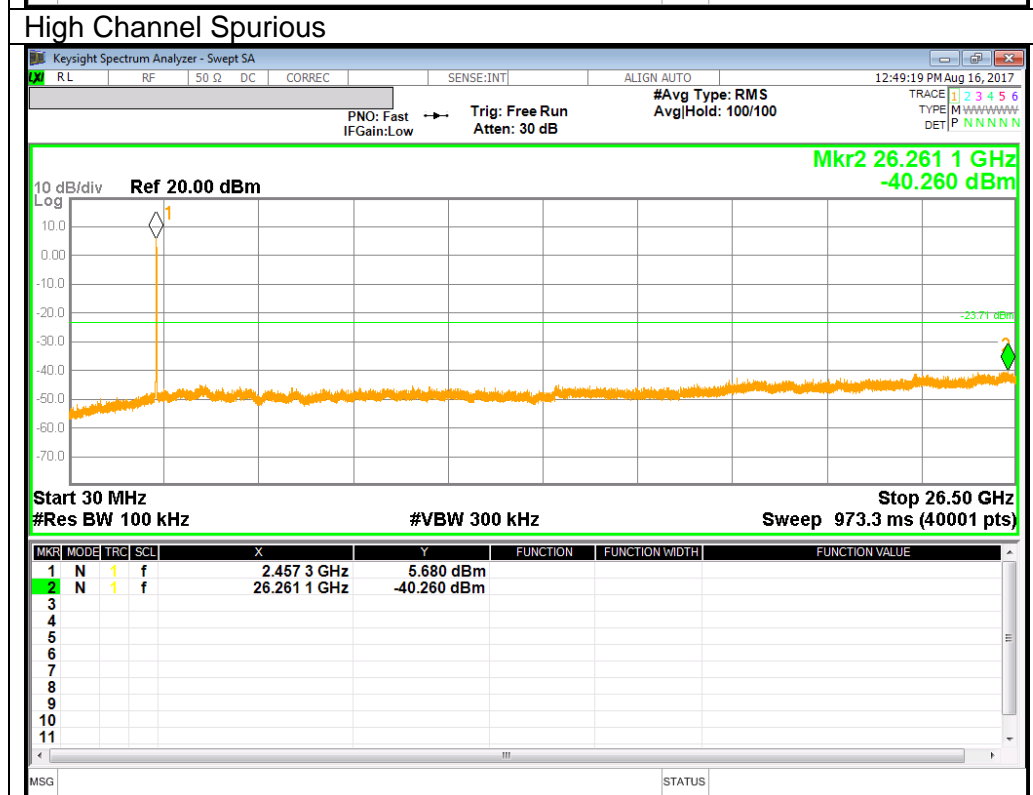
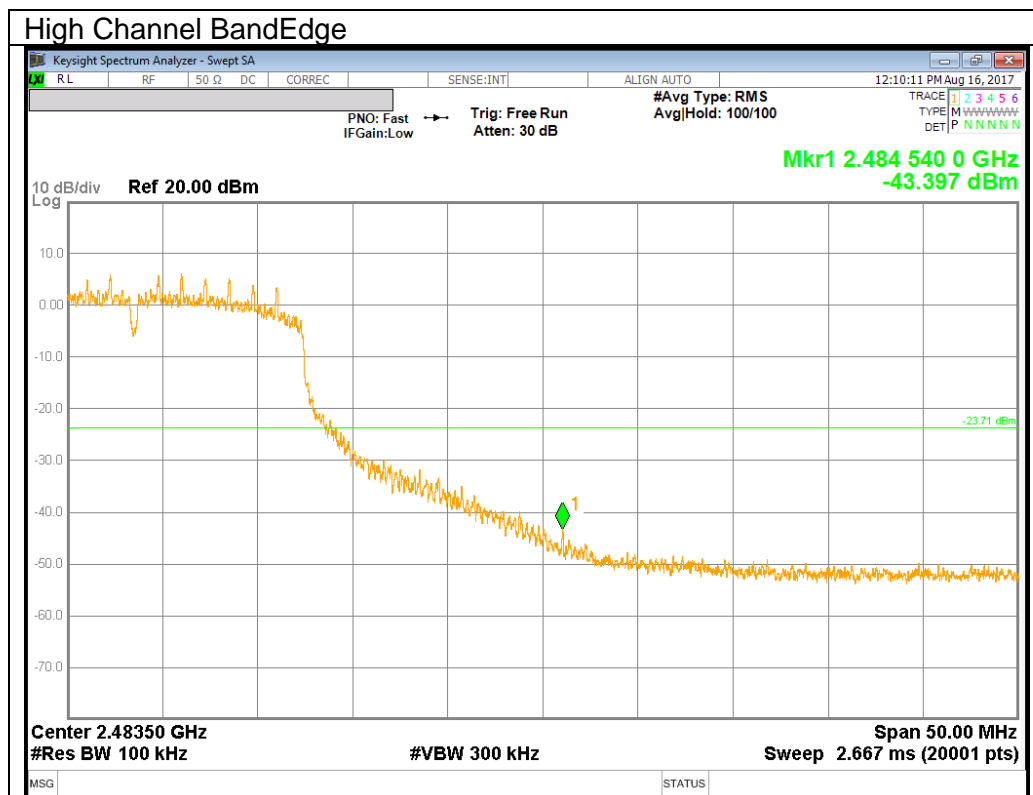


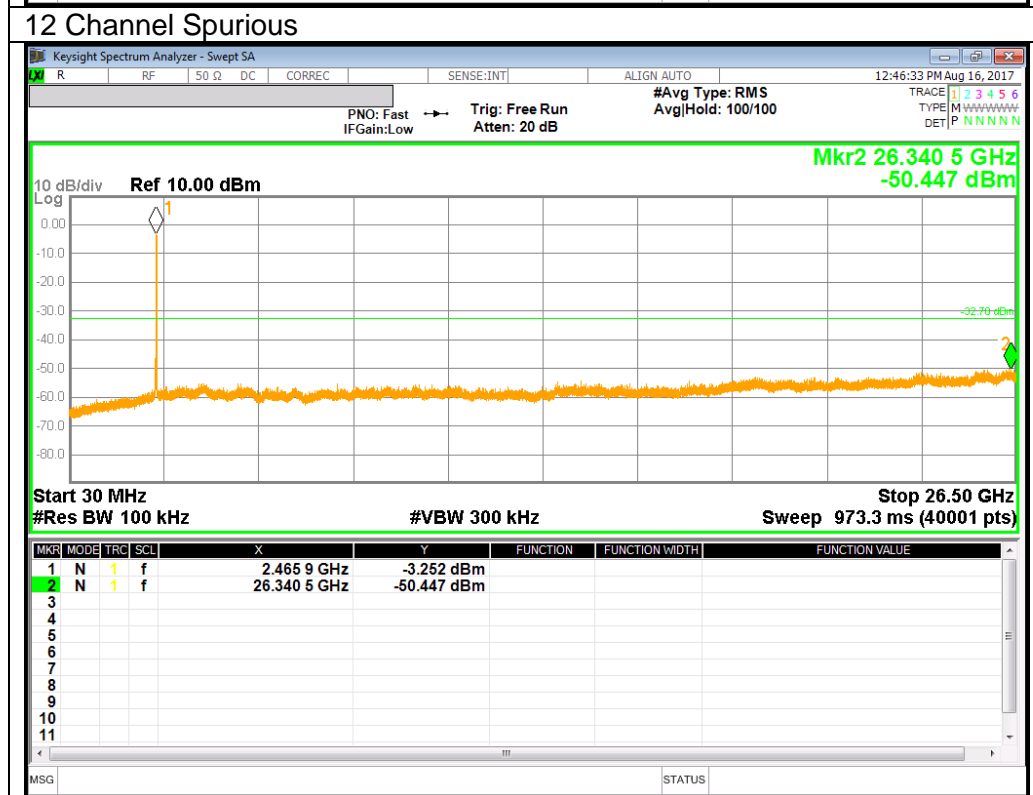
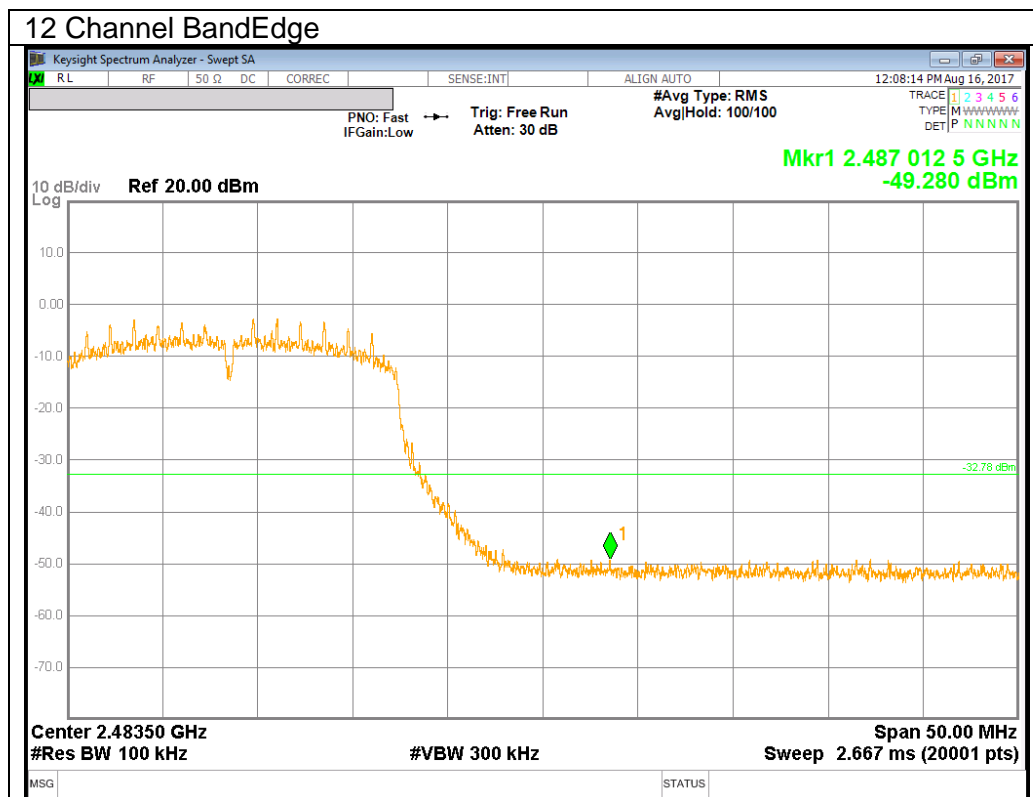


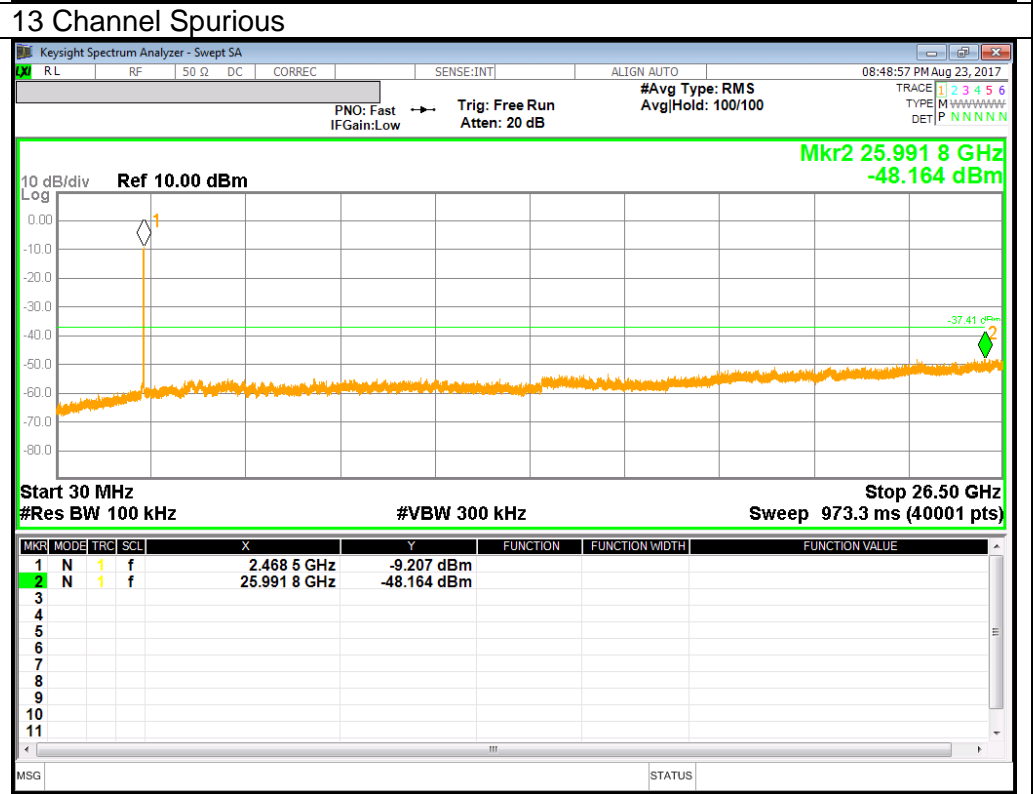
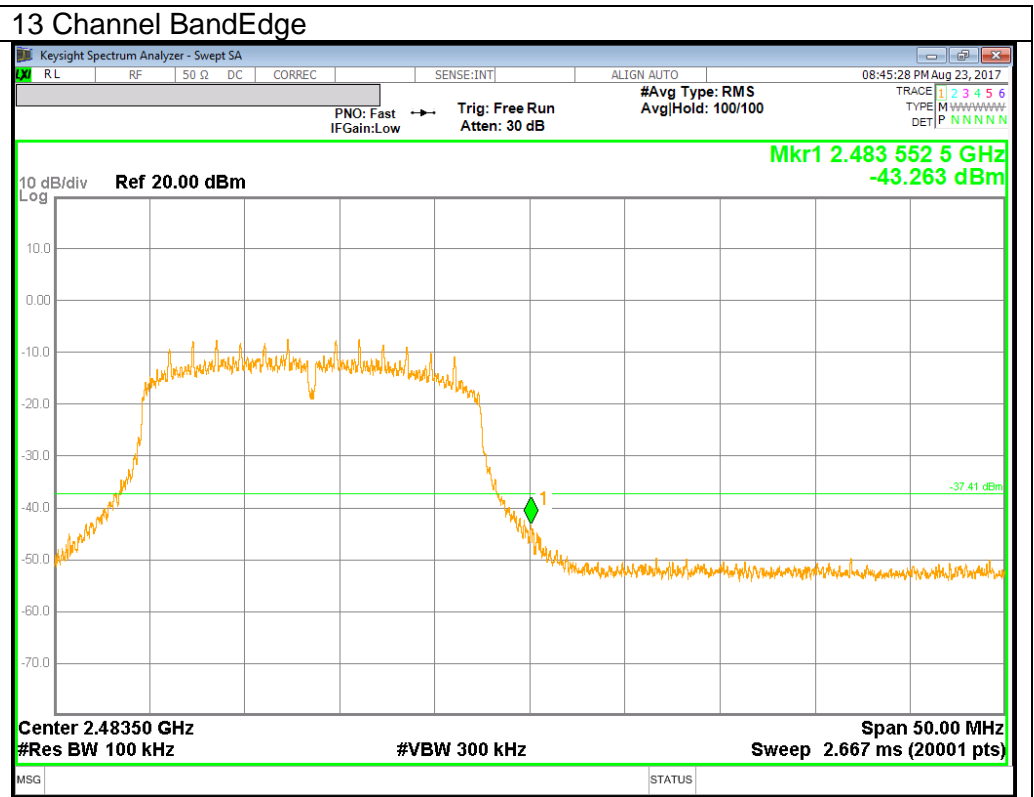
9.4.3. 802.11n HT20 MODE IN THE 2.4 GHz BAND











10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

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

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

TEST PROCEDURE

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

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

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. (Restricted bandedge, Final detection of spurious harmonic emissions)
Duty cycle factor= $10\log(1/x)$ For this sample B mode = 0dB (duty cycle >98%); G mode = 0.30dB; N mode = 0.30dB.

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

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

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

Unwanted emissions within Restricted Bands are measured using traditional radiated procedures.

Band edge emissions within Restricted Bands are measured using RMS with duty cycle factor offset method.

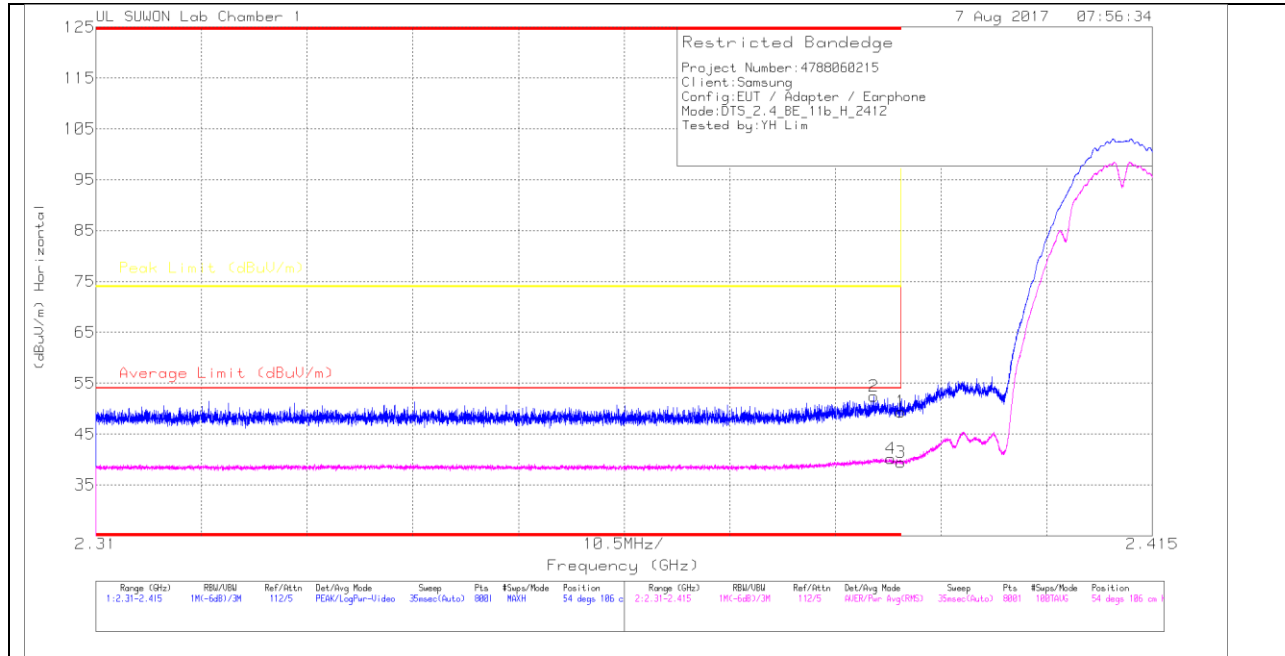
Note : Emission was pre-scanned from 9KHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

10.2. TRANSMITTER ABOVE 1 GHz

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

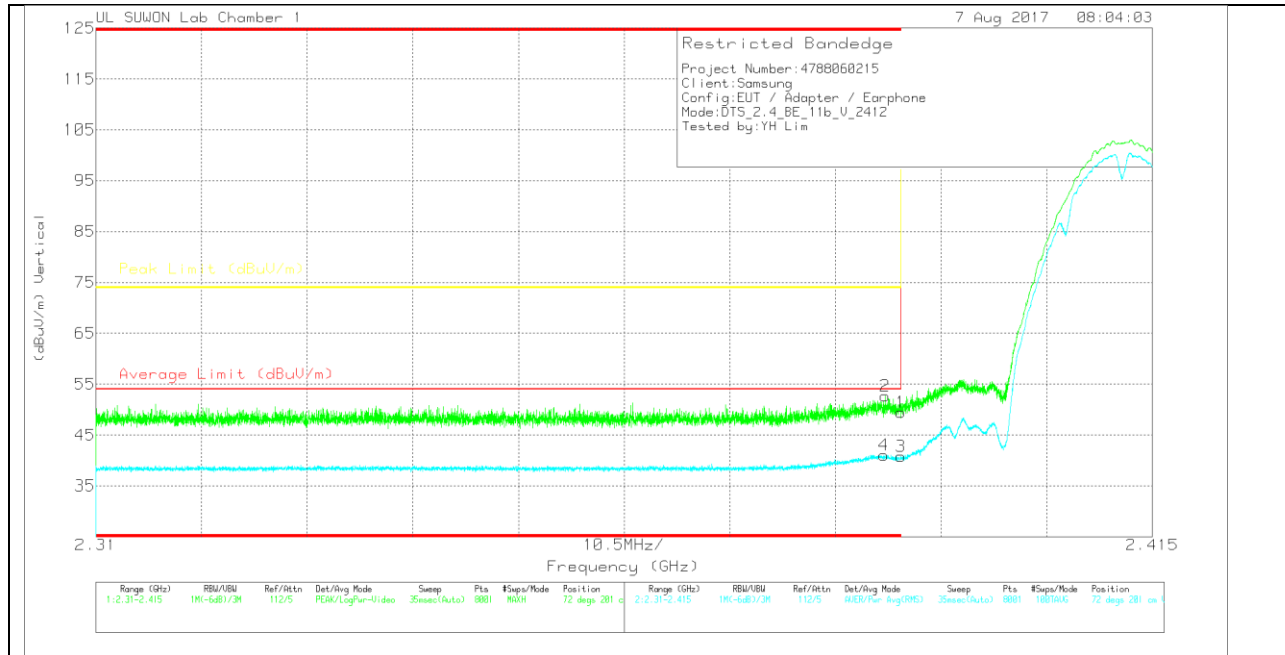
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	46.8	Pk	31.3	-28.7	0	49.4	-	-	74	-24.6	54	106	H
2	* 2.387	49.88	Pk	31.3	-28.8	0	52.38	-	-	74	-21.62	54	106	H
3	* 2.39	36.87	RMS	31.3	-28.7	0	39.47	54	-14.53	-	-	54	106	H
4	* 2.389	37.58	RMS	31.3	-28.7	0	40.18	54	-13.82	-	-	54	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	46.82	Pk	31.3	-28.7	0	49.42	-	-	74	-24.58	72	201	V
2	* 2.388	50.04	Pk	31.3	-28.7	0	52.64	-	-	74	-21.36	72	201	V
3	* 2.39	38.16	RMS	31.3	-28.7	0	40.76	54	-13.24	-	-	72	201	V
4	* 2.388	38.48	RMS	31.3	-28.7	0	41.08	54	-12.92	-	-	72	201	V

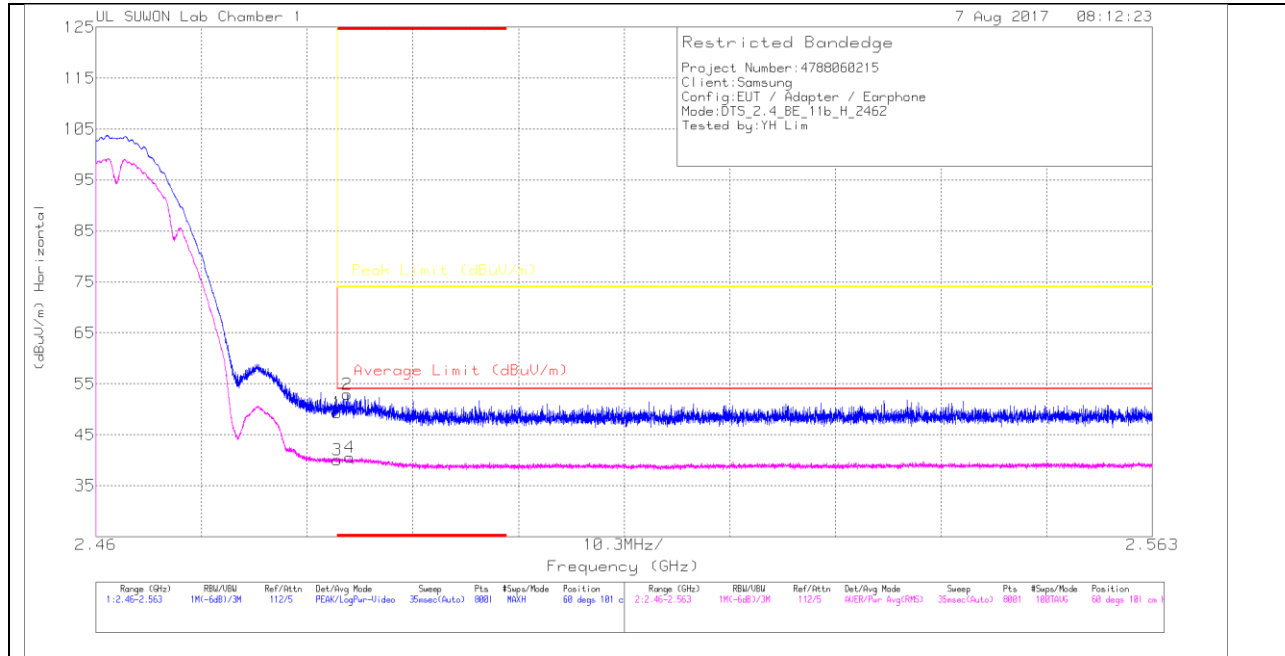
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

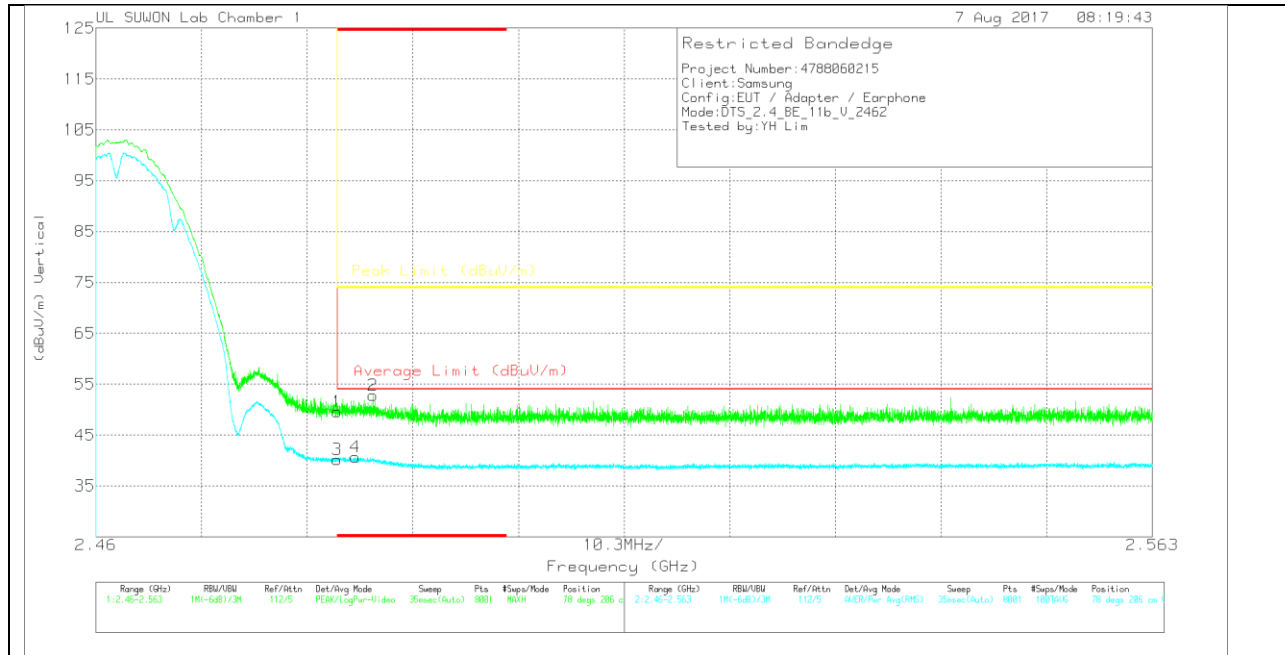
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.41	Pk		-28.7	0	49.31	-	-	74	-24.69	60	101	H
2	* 2.484	50.07	Pk		-28.7	0	52.97	-	-	74	-21.03	60	101	H
3	* 2.484	37.17	RMS		-28.7	0	40.07	54	-13.93	-	-	60	101	H
4	* 2.485	37.62	RMS		-28.7	0	40.52	54	-13.48	-	-	60	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.65	Pk	31.6	-28.7	0	49.55	-	-	74	-24.45	78	206	V
2	* 2.487	49.79	Pk	31.6	-28.6	0	52.79	-	-	74	-21.21	78	206	V
3	* 2.484	37.3	RMS	31.6	-28.7	0	40.2	54	-13.8	-	-	78	206	V
4	* 2.485	37.75	RMS	31.6	-28.7	0	40.65	54	-13.35	-	-	78	206	V

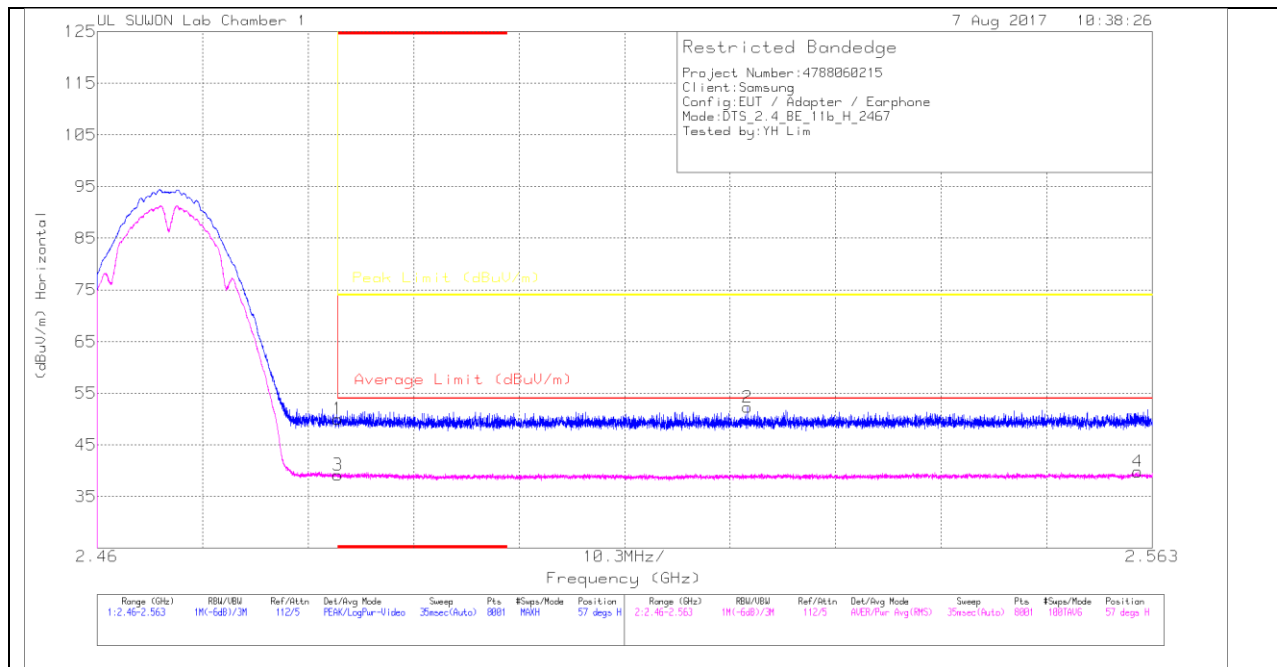
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

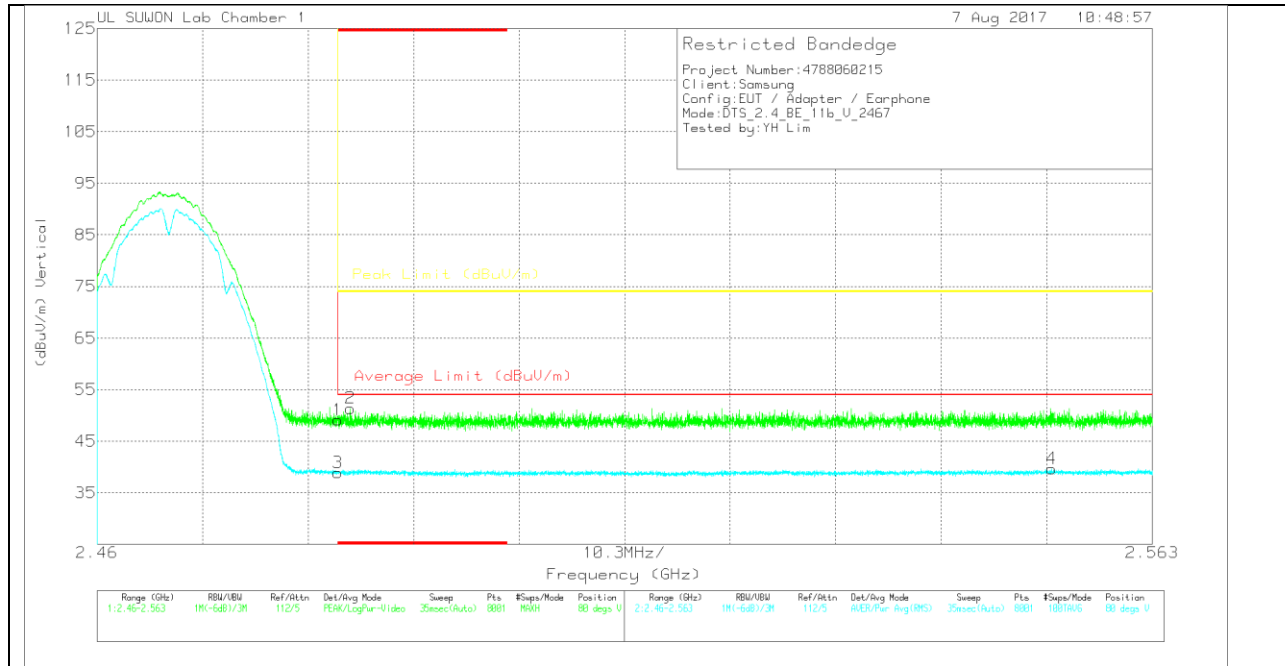
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	47.12	Pk		-28.7	0	50.02	-	-	74	-23.98	57	136	H
2	2.523	49.32	Pk		-28.6	0	52.32	-	-	74	-21.68	57	136	H
3	* 2.484	36.28	RMS		-28.7	0	39.18	54	-14.82	-	-	57	136	H
4	2.562	36.64	RMS		-28.5	0	39.84	54	-14.16	-	-	57	136	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.21	Pk		-28.7	0	49.11	-	-	74	-24.89	80	134	V
2	* 2.485	48.5	Pk		-28.7	0	51.4	-	-	74	-22.6	80	134	V
3	* 2.484	36.01	RMS		-28.7	0	38.91	54	-15.09	-	-	80	134	V
4	2.553	36.48	RMS		-28.5	0	39.68	54	-14.32	-	-	80	134	V

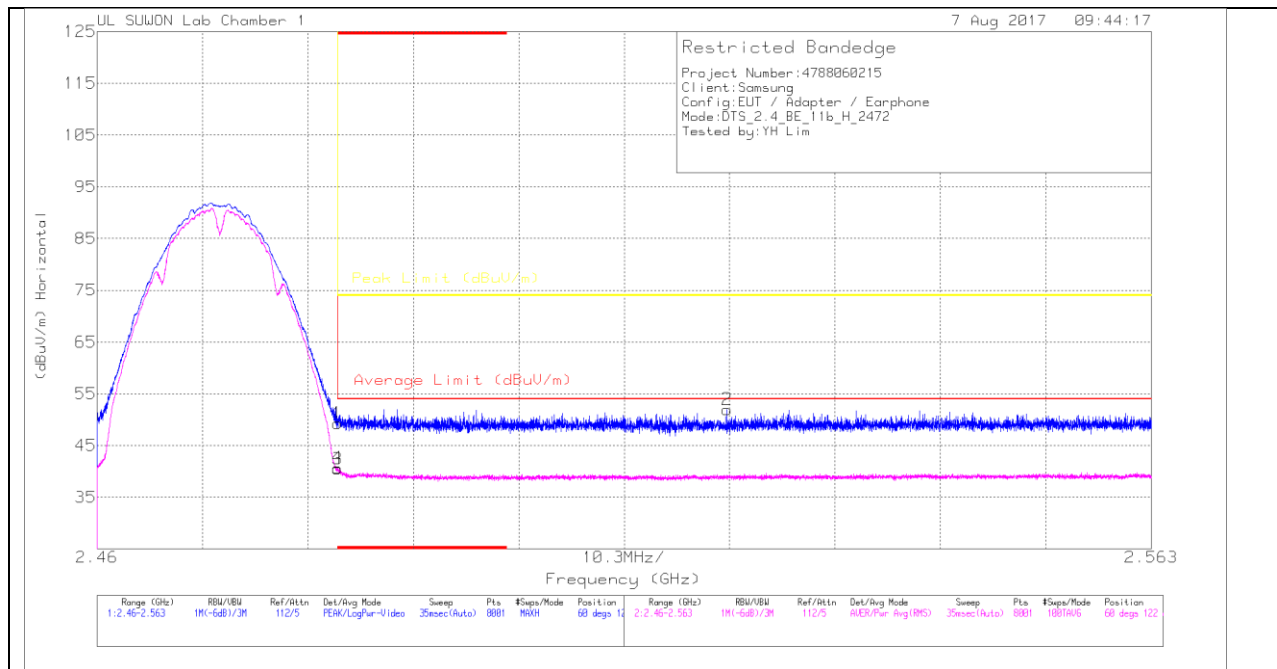
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

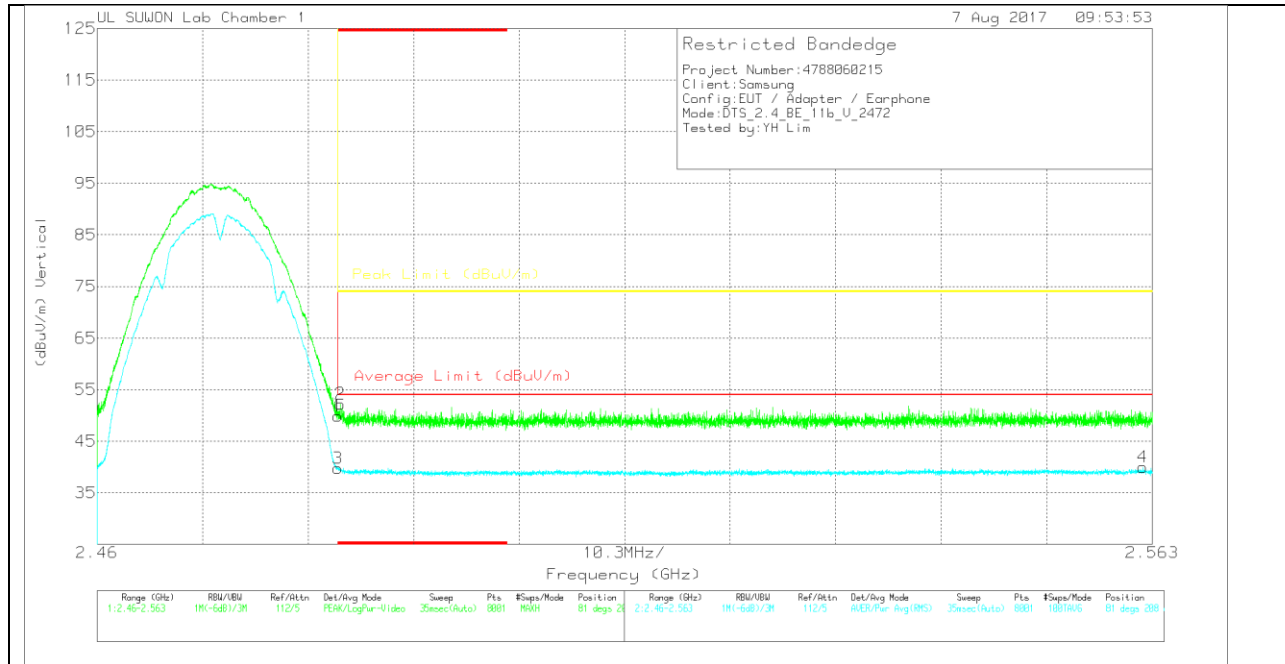
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.43	Pk		-28.7	0	49.33	-	-	74	-24.67	60	122	H
2	2.522	48.97	Pk		-28.6	0	51.97	-	-	74	-22.03	60	122	H
3	* 2.484	37.59	RMS		-28.7	0	40.49	54	-13.51	-	-	60	122	H
4	* 2.484	37.77	RMS		-28.7	0	40.67	54	-13.33	-	-	60	122	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.98	Pk		-28.7	0	49.88	-	-	74	-24.12	81	208	V
2	* 2.484	49.3	Pk		-28.7	0	52.2	-	-	74	-21.8	81	208	V
3	* 2.484	36.86	RMS		-28.7	0	39.76	54	-14.24	-	-	81	208	V
4	2.562	36.76	RMS		-28.5	0	39.96	54	-14.04	-	-	81	208	V

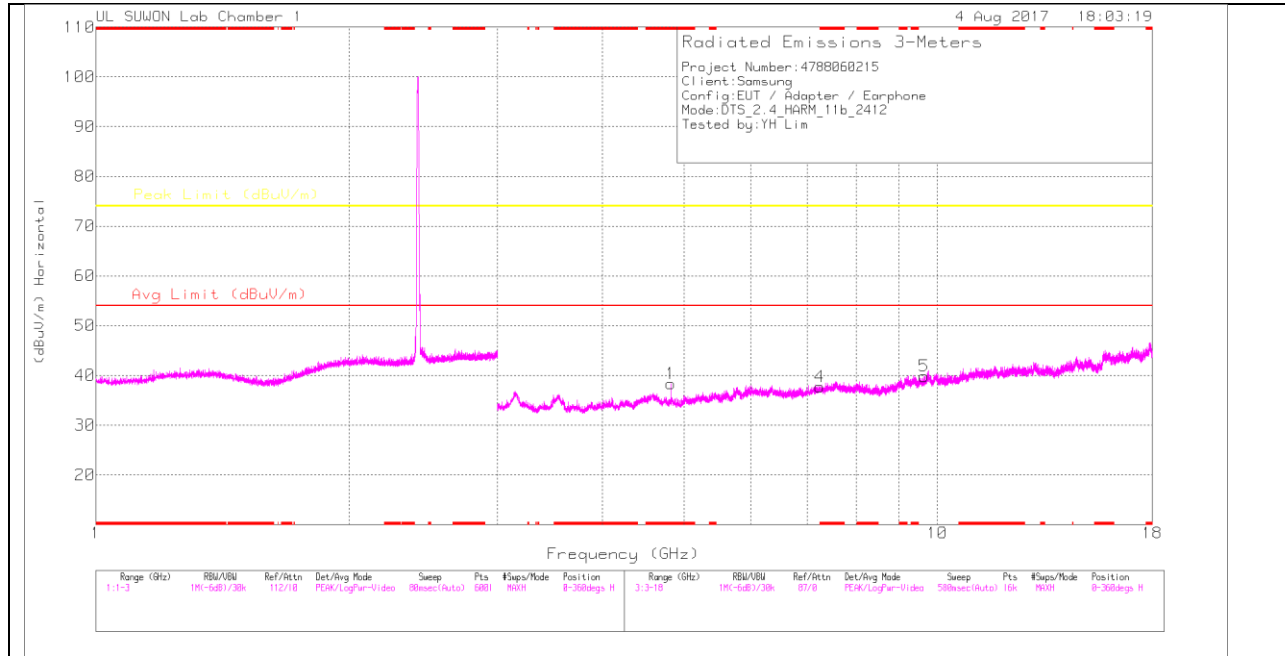
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

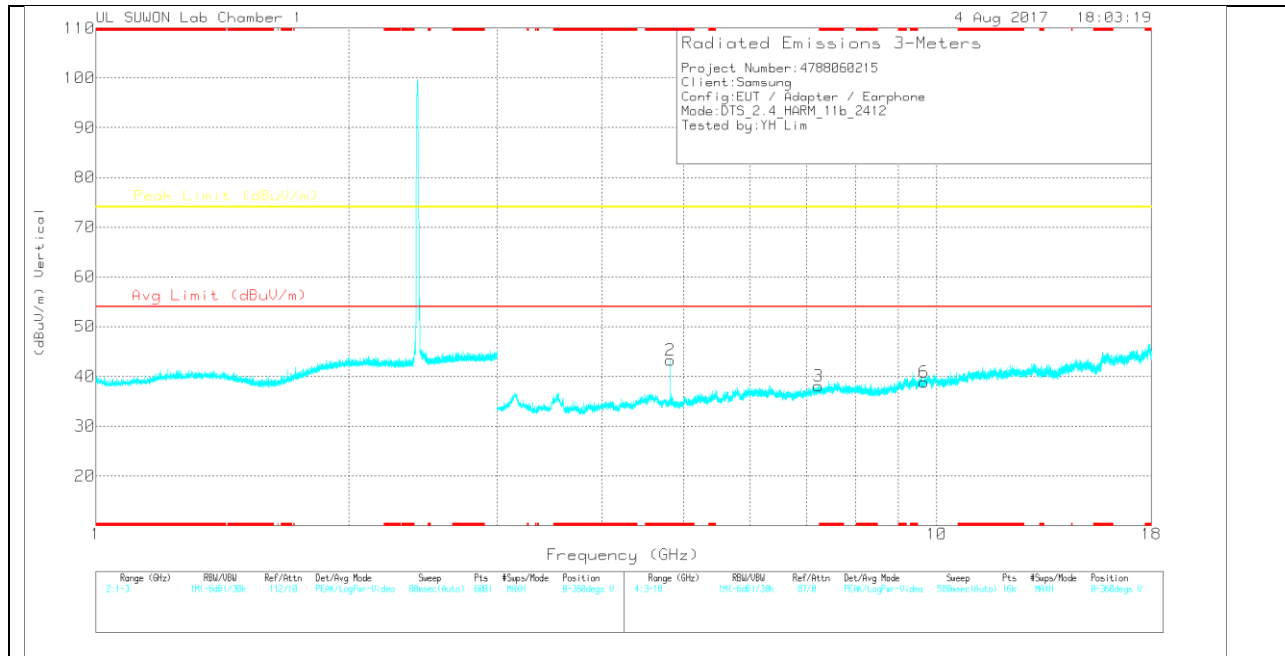
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



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

LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_31_17_00168717	3Ghz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.824	38.57	PK	33.8	-34	0	38.37	-	-	74	-35.63	0-360	250	H
4	7.241	32.98	PK	35.9	-31.2	0	37.68	-	-	74	-36.32	0-360	250	H
5	9.647	31.2	PK	36.8	-28.2	0	39.8	-	-	74	-34.2	0-360	250	H
2	* 4.823	43.45	PK	33.8	-34	0	43.25	-	-	74	-30.75	0-360	250	V
3	7.24	33.42	PK	35.9	-31.2	0	38.12	-	-	74	-35.88	0-360	250	V
6	9.651	30.35	PK	36.8	-28.3	0	38.85	-	-	74	-35.15	0-360	150	V

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

PK – Peak detector

Radiated Emissions

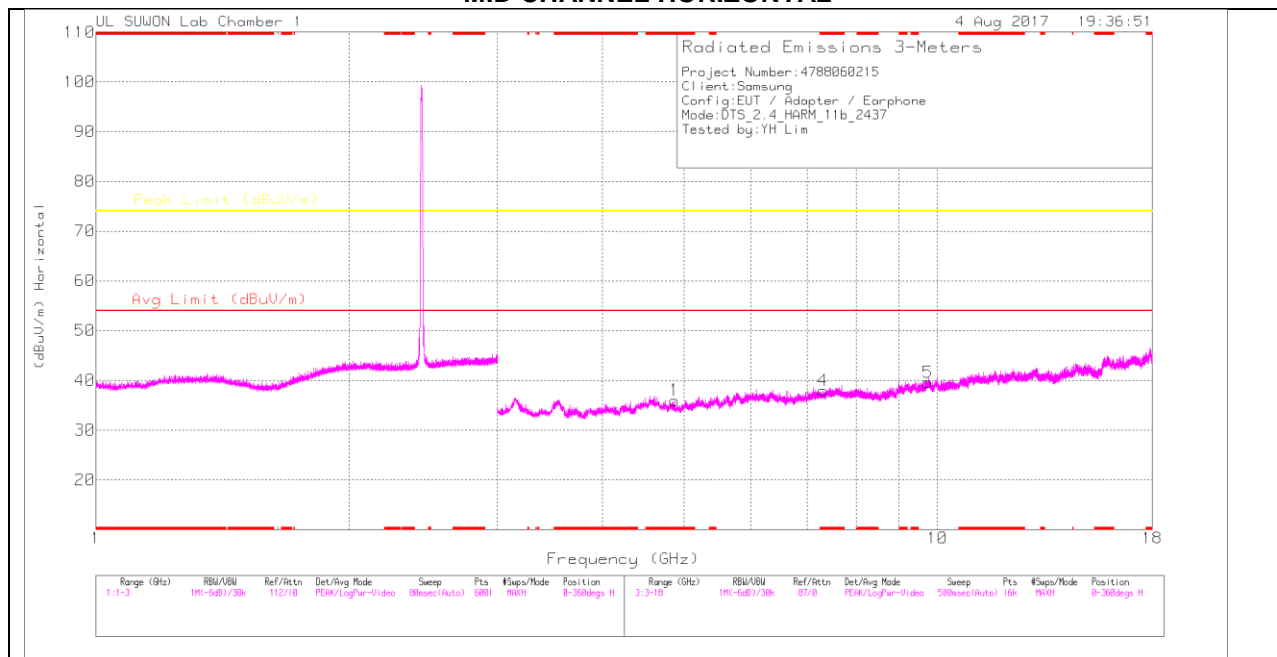
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00_168717	3Ghz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.824	48.12	PK2	33.8	-34	0	47.92	-	-	74	-26.08	258	154	H
* 4.824	39.09	MAV1	33.8	-34	0	38.89	54	-15.11	-	-	258	154	H
* 4.824	50.78	PK2	33.8	-34	0	50.58	-	-	74	-23.42	264	296	V
* 4.824	43.97	MAV1	33.8	-34	0	43.77	54	-10.23	-	-	264	296	V

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

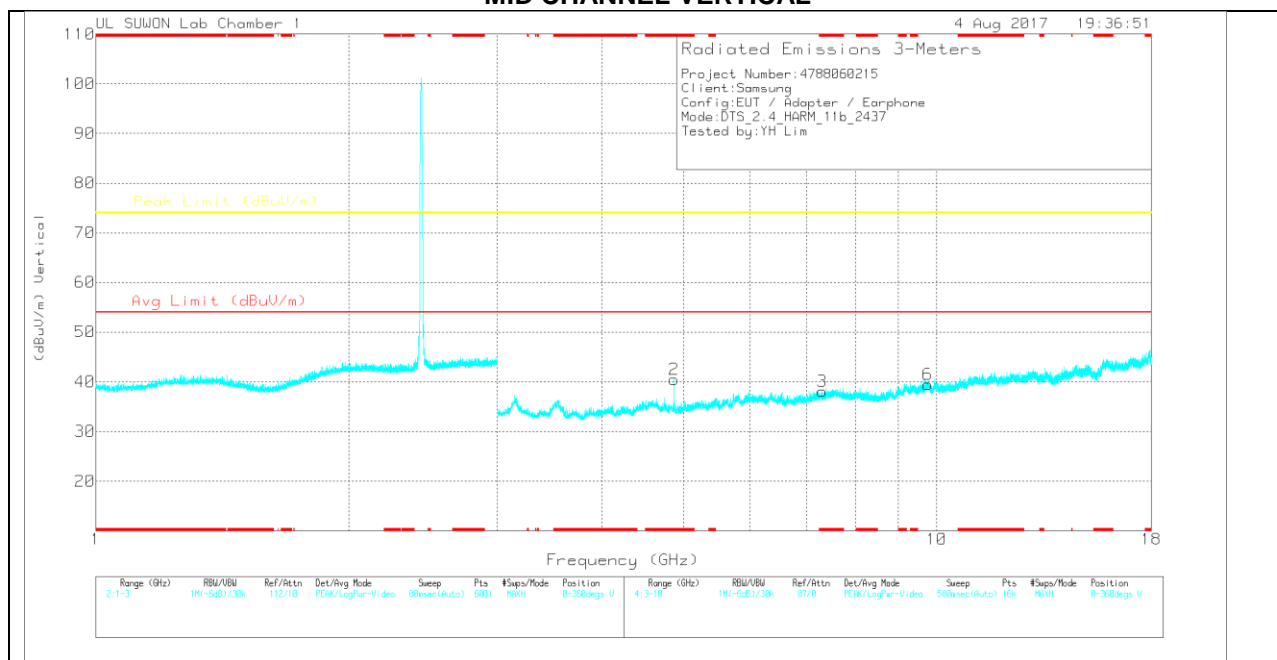
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



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

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168717	3Ghz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.874	36.4	PK	33.8	-34.2	0	36	-	-	74	-38	0-360	150	H
4	* 7.306	33.06	PK	35.9	-31	0	37.96	-	-	74	-36.04	0-360	150	H
5	9.746	30.35	PK	36.9	-27.7	0	39.55	-	-	74	-34.45	0-360	150	H
2	* 4.874	40.86	PK	33.8	-34.2	0	40.46	-	-	74	-33.54	0-360	250	V
3	* 7.306	33.15	PK	35.9	-31	0	38.05	-	-	74	-35.95	0-360	250	V
6	9.75	30.17	PK	36.9	-27.6	0	39.47	-	-	74	-34.53	0-360	250	V

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

PK – Peak detector

Radiated Emissions

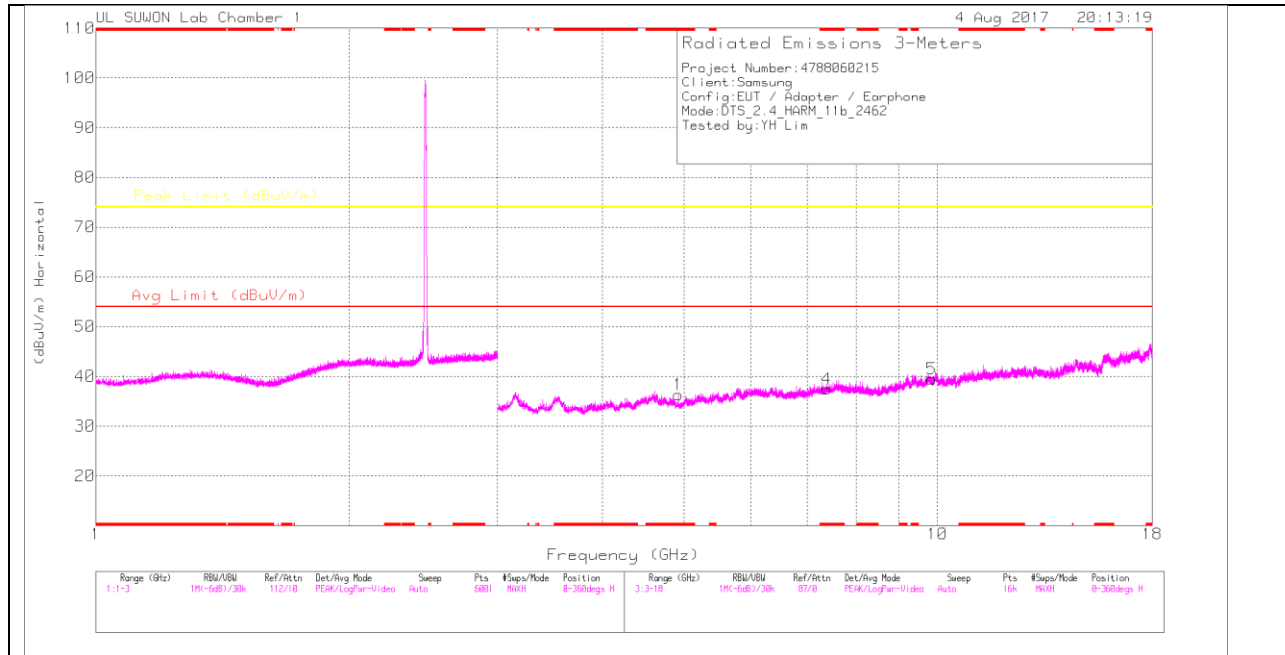
Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168717	3Ghz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.874	47.66	PK2	33.8	-34.2	0	47.26	-	-	74	-26.74	196	116	H
* 4.874	37.2	MAv1	33.8	-34.2	0	36.8	54	-17.2	-	-	196	116	H
* 4.874	48.7	PK2	33.8	-34.2	0	48.3	-	-	74	-25.7	297	178	V
* 4.874	39.95	MAv1	33.8	-34.2	0	39.55	54	-14.45	-	-	297	178	V

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

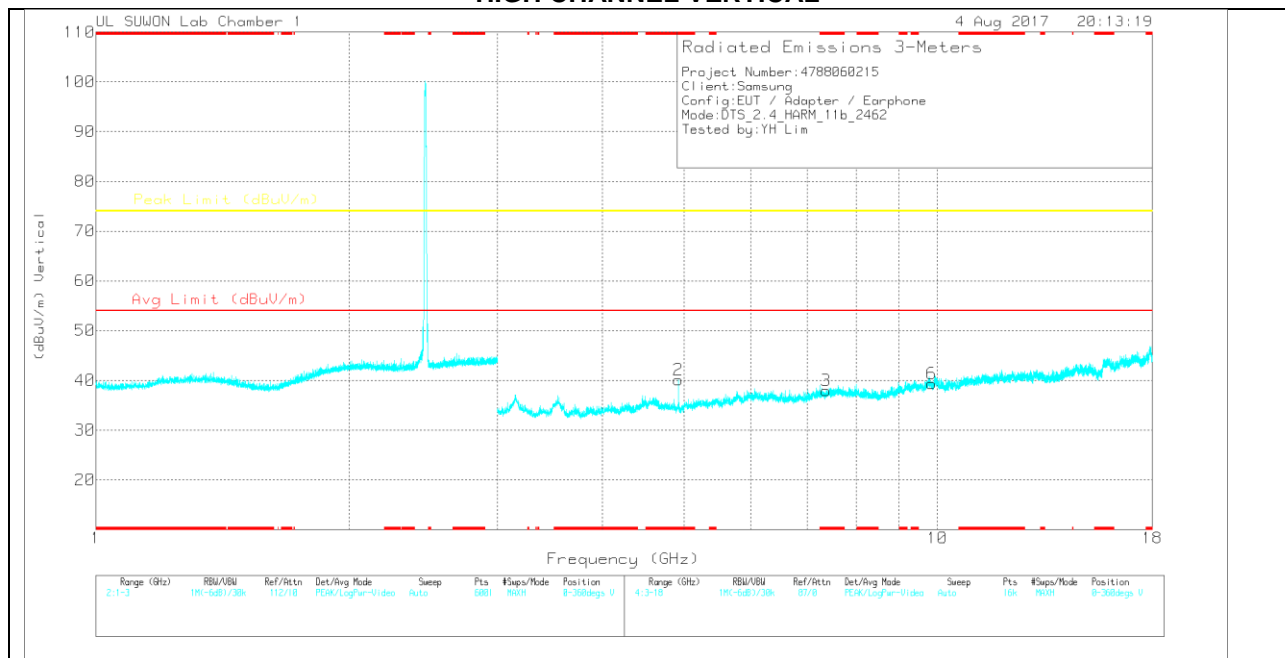
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



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

HIGH CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168717	3Ghz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.924	36.28	PK	33.8	-33.8	0	36.28	-	-	74	-37.72	0-360	150	H
4	* 7.382	32.69	PK	35.9	-31.1	0	37.49	-	-	74	-36.51	0-360	250	H
5	9.839	30.65	PK	37	-28.2	0	39.45	-	-	74	-34.55	0-360	250	H
2	* 4.924	40.1	PK	33.8	-33.8	0	40.1	-	-	74	-33.9	0-360	150	V
3	* 7.377	33.11	PK	35.9	-31	0	38.01	-	-	74	-35.99	0-360	150	V
6	9.843	30.56	PK	37	-28.2	0	39.36	-	-	74	-34.64	0-360	250	V

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

PK – Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3117_00168717	3Ghz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.924	47.64	PK2	33.8	-33.8	0	47.64	-	-	74	-26.36	233	109	H
* 4.924	38.44	MAV1	33.8	-33.9	0	38.34	54	-15.66	-	-	233	109	H
* 4.924	48.87	PK2	33.8	-33.9	0	48.77	-	-	74	-25.23	274	342	V
* 4.924	40.28	MAV1	33.8	-33.9	0	40.18	54	-13.82	-	-	274	342	V

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

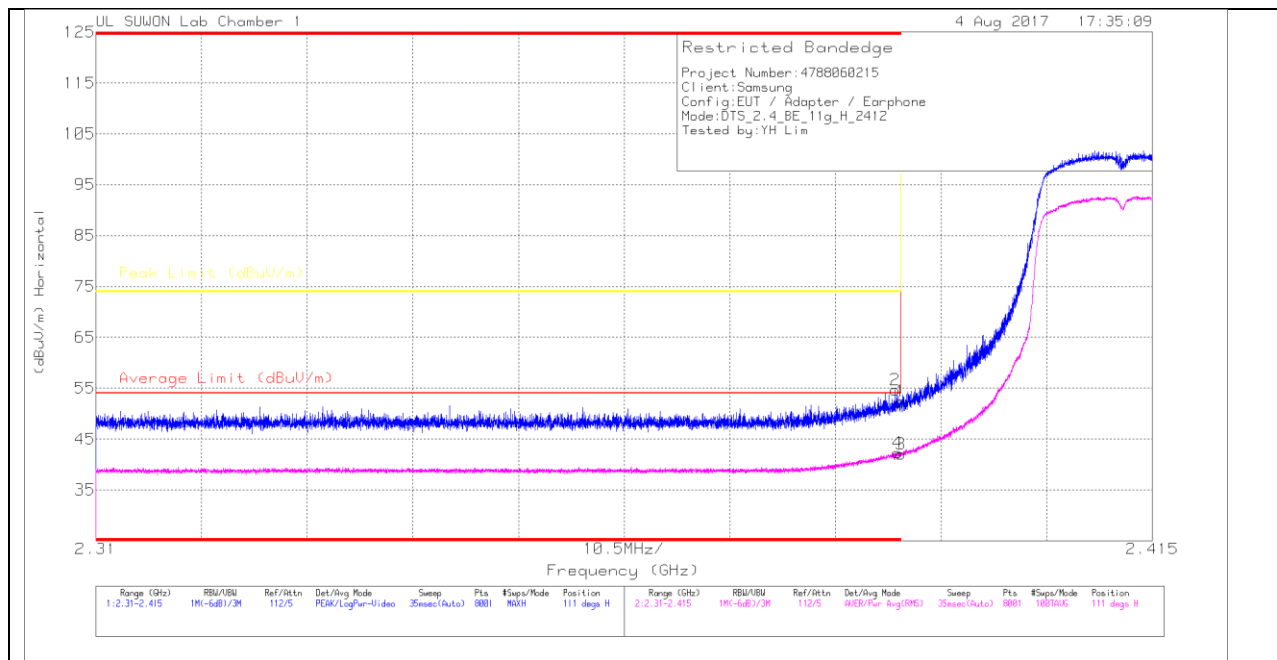
PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

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

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

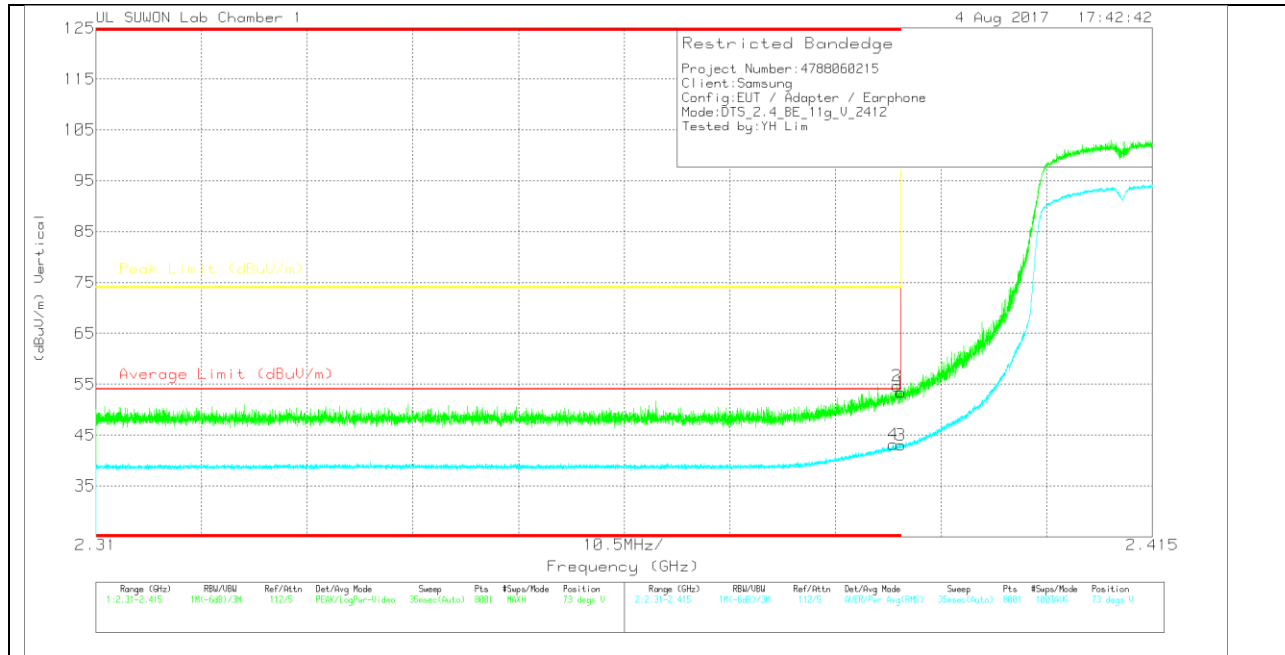
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.88	Pk		-28.7	0	52.48	-	-	74	-21.52	111	106	H
2	* 2.389	52.08	Pk		-28.7	0	54.68	-	-	74	-19.32	111	106	H
3	* 2.39	39.18	RMS		-28.7	.3	42.08	54	-11.92	-	-	111	106	H
4	* 2.39	39.43	RMS		-28.7	.3	42.33	54	-11.67	-	-	111	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	50.82	Pk		-28.7	0	53.42	-	-	74	-20.58	73	140	V
2	* 2.39	52.1	Pk		-28.7	0	54.7	-	-	74	-19.3	73	140	V
3	* 2.39	40.12	RMS		-28.7	.3	43.02	54	-10.98	-	-	73	140	V
4	* 2.389	40.3	RMS		-28.7	.3	43.2	54	-10.8	-	-	73	140	V

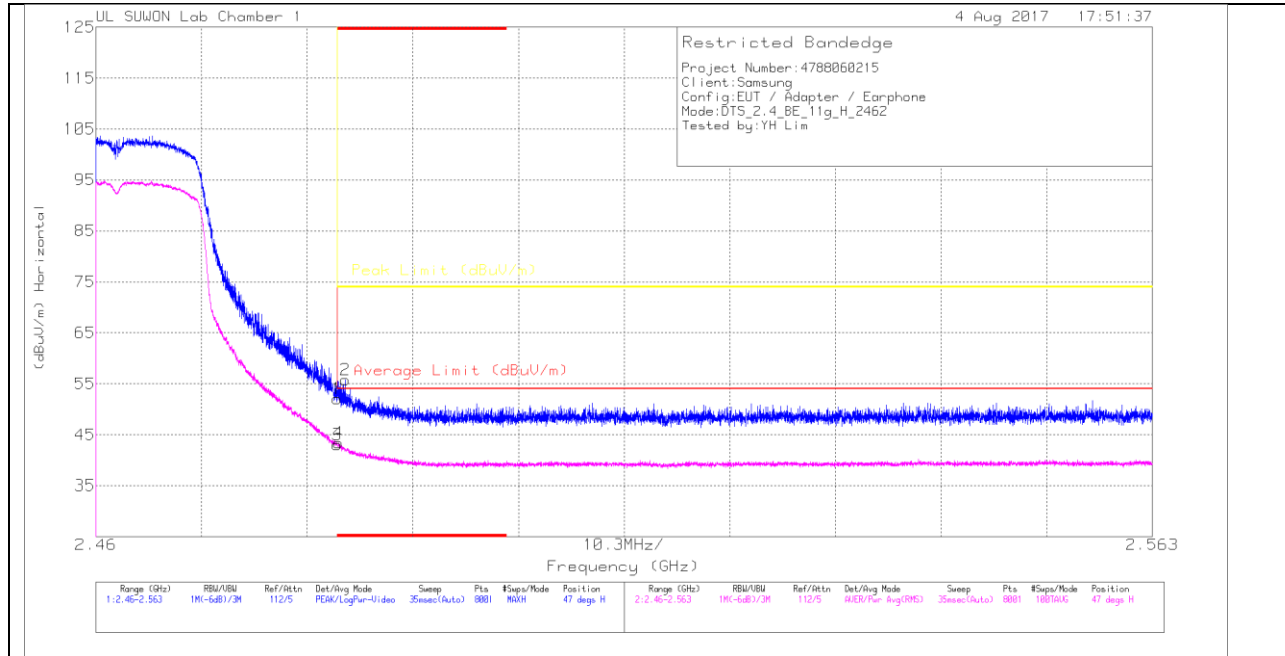
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

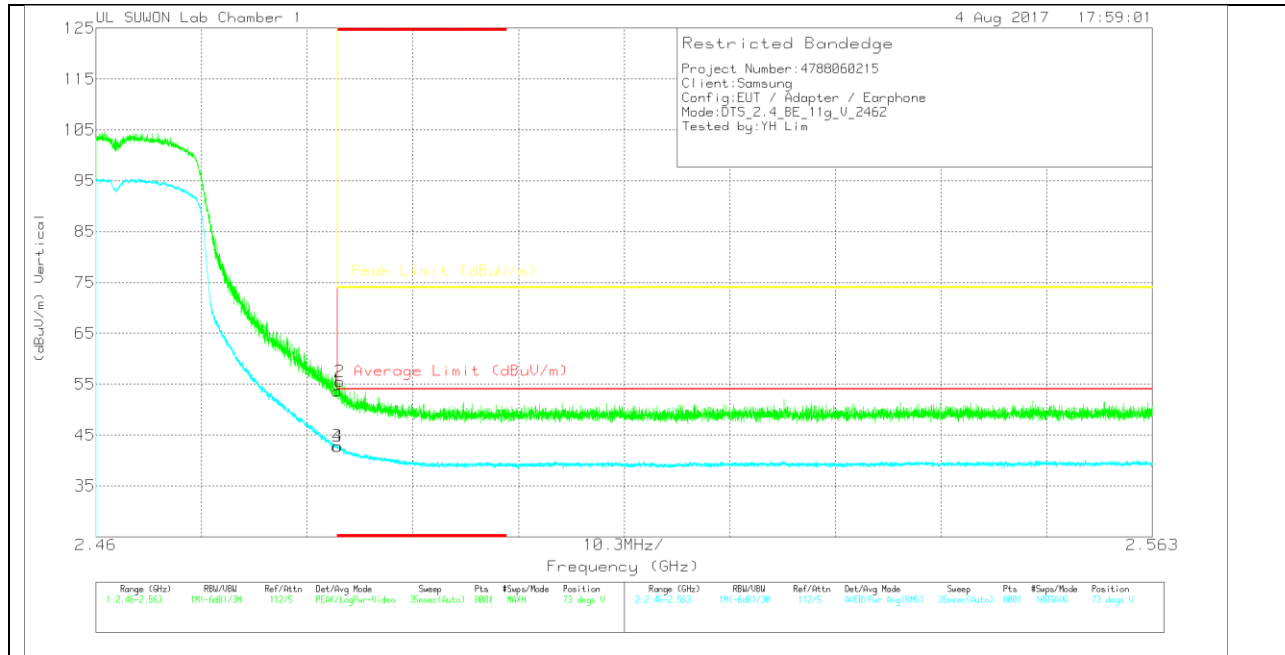
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.16	Pk		-28.7	0	52.06	-	-	74	-21.94	47	121	H
2	* 2.484	52.88	Pk		-28.7	0	55.78	-	-	74	-18.22	47	121	H
3	* 2.484	39.84	RMS		-28.7	.3	43.04	54	-10.96	-	-	47	121	H
4	* 2.484	40.15	RMS		-28.7	.3	43.35	54	-10.65	-	-	47	121	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	50.73	Pk	31.6	-28.7	0	53.63	-	-	74	-20.37	73	159	V
2	* 2.484	52.65	Pk	31.6	-28.7	0	55.55	-	-	74	-18.45	73	159	V
3	* 2.484	39.64	RMS	31.6	-28.7	.3	42.84	54	-11.16	-	-	73	159	V
4	* 2.484	39.56	RMS	31.6	-28.7	.3	42.76	54	-11.24	-	-	73	159	V

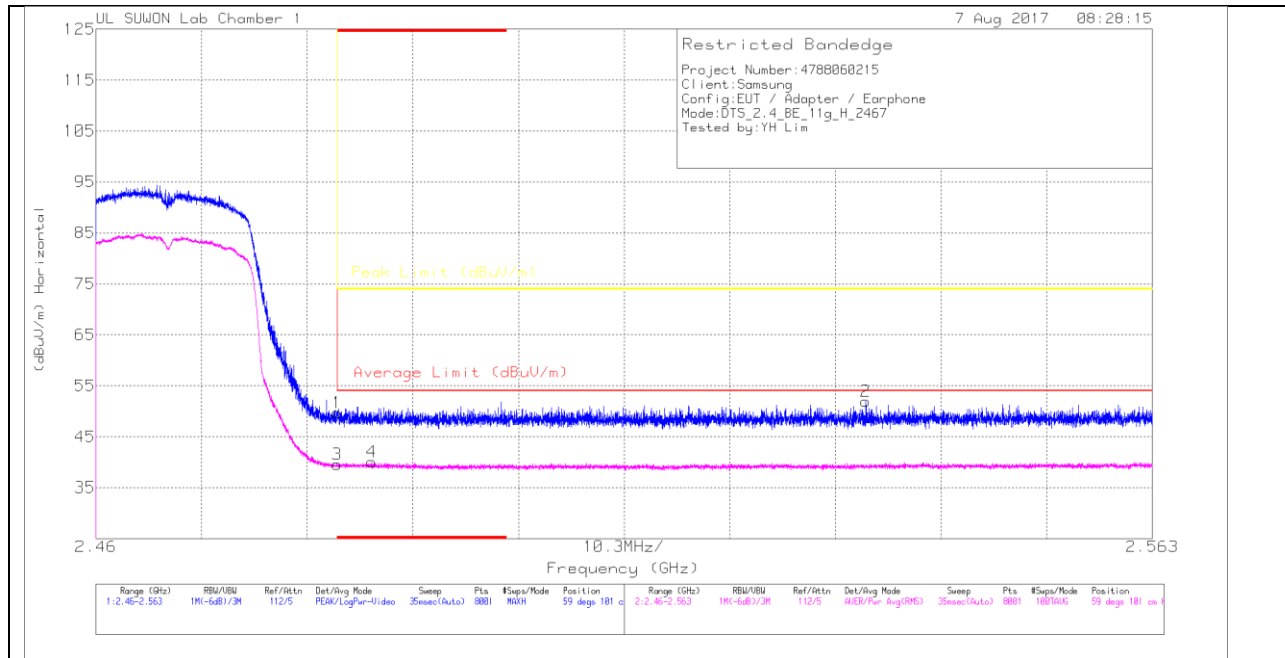
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

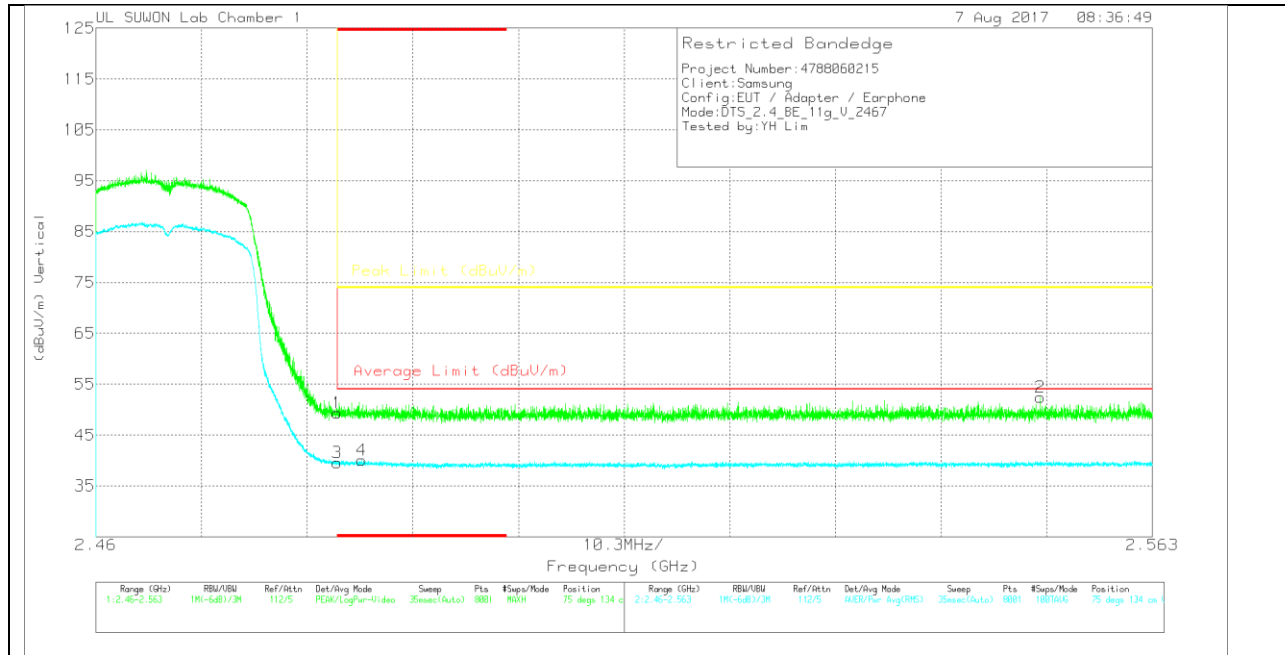
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.78	Pk		-28.7	0	49.68	-	-	74	-24.32	59	101	H
2	2.535	48.98	Pk		-28.7	0	51.98	-	-	74	-22.02	59	101	H
3	* 2.484	36.33	RMS		-28.7	.3	39.53	54	-14.47	-	-	59	101	H
4	* 2.487	36.71	RMS		-28.6	.3	40.01	54	-13.99	-	-	59	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20170531_3 117_001687 17	10dB_Att(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46.39	Pk		-28.7	0	49.29	-	-	74	-24.71	75	134	V
2	2.552	49.25	Pk		-28.5	0	52.45	-	-	74	-21.55	75	134	V
3	* 2.484	36.32	RMS		-28.7	.3	39.52	54	-14.48	-	-	75	134	V
4	* 2.486	36.74	RMS		-28.6	.3	40.04	54	-13.96	-	-	75	134	V

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

Pk - Peak detector

RMS - RMS detection