



**FCC 47 CFR PART 15 SUBPART E
C2PC CERTIFICATION TEST REPORT
FOR**

Bluetooth/BLE and DTS/UNII a/b/g/n/ac and ANT+ Tablet

MODEL NUMBER : SM-T710

FCC ID: A3LSMT710

IC ID: 649E-SMT710

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Revision History

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--	07/17/17	Initial issue	Junwhan Lee
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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.
EUT DESCRIPTION: Bluetooth/BLE and DTS/UNII a/b/g/n/ac and ANT+ Tablet
MODEL NUMBER: SM-T710
SERIAL NUMBER: R32G600QTEA (RADIATED); R32G600Q1KE (CONDUCTED)
DATE TESTED: JUL 10 - JUL 17, 2015

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	Pass
IC RSS-247 Issue 1	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.

Approved & Released For
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Junwhan Lee
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UL Korea, Ltd.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, FCC 06-96, FCC KDB 789033 D02 v01, ANSI C63.10-2009, RSS-247 Issue 1.

ANSI C63.10-2013 Deviation: Radiated spurious emission above 1GHz EUT height is 0.8m not 1.5m.

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, 443-823, 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	
☒	Chamber 1
☒	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:

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

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 Bluetooth/BLE, DTS/UNII a/b/g/n/ac and ANT+ Tablet.
This test report addresses the NII (UNII) operational mode.

WiFi MIMO Condition

Frequency	Mode	Antenna 1	Antenna 2
2.4 GHz	802.11b	TX / RX	TX / RX
	802.11g	TX / RX	TX / RX
	802.11n	TX / RX	TX / RX
	802.11n MIMO	TX / RX	TX / RX
5 GHz	802.11a	TX / RX	TX / RX
	802.11n	TX / RX	TX / RX
	802.11ac	TX / RX	TX / RX
	802.11n/ac MIMO	TX / RX	TX / RX

5.2. MAXIMUM OUTPUT POWER (From Original)

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

Frequency Range [MHz]	Mode	Output Power [dBm]		Output Power [mW]	
		Antenna1	Antenna2	Antenna1	Antenna2
5180 - 5240	802.11a	12.39	11.49	17.34	14.09
	802.11n HT20 SISO	12.07	11.42	16.11	13.87
	802.11n HT20 MIMO	14.71		29.58	
5190 - 5230	802.11n HT40 SISO	11.29	10.93	13.46	12.39
	802.11n HT40 MIMO	13.17		20.75	
5210	802.11ac HT80 SISO	10.17	10.20	10.40	10.47
	802.11ac HT80 MIMO	13.12		20.51	
5260 - 5320	802.11a	12.35	11.83	17.18	15.24
	802.11n HT20 SISO	11.24	11.63	13.30	14.55
	802.11n HT20 MIMO	14.77		29.99	
5270 - 5310	802.11n HT40 SISO	10.80	11.12	12.02	12.94
	802.11n HT40 MIMO	12.82		19.14	
5290	802.11ac HT80 SISO	9.93	10.20	9.84	10.47
	802.11ac HT80 MIMO	12.46		17.62	
5500 - 5700	802.11a	12.41	11.55	17.42	14.29
	802.11n HT20 SISO	12.05	11.34	16.03	13.61
	802.11n HT20 MIMO	14.85		30.55	
5510 - 5690	802.11n HT40 SISO	10.79	10.82	11.99	12.08
	802.11n HT40 MIMO	13.54		22.59	
5530 - 5610	802.11ac HT80 SISO	10.04	10.33	10.09	10.79
	802.11ac HT80 MIMO	13.05		20.18	
5745 - 5825	802.11a	12.12	11.70	16.29	14.79
	802.11n HT20 SISO	11.93	11.53	15.60	14.22
	802.11n HT20 MIMO	14.94		31.19	
5755 - 5795	802.11n HT40 SISO	10.55	10.85	11.35	12.16
	802.11n HT40 MIMO	13.53		22.54	
5775	802.11ac HT80 SISO	9.59	10.29	9.10	10.69
	802.11ac HT80 MIMO	13.33		21.53	

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an FPCB antennas, with a antenna1's maximum gain of 0.12 dBi and antenna2's maximum gain of 0.69 dBi .

5.4. List of test reduction and modes covering other modes:

The output power on covered modes is equal to or less than one referenced.

UNII 1

5150 - 5250 MHz Authorized Frequency Band (Antenna port & Radiated Testing)		
Frequency Range [MHz]	Mode	Covered by
5180 - 5240	802.11a legacy 1TX/STBC 2TX	802.11a 2TX CDD
5180 - 5240	802.11HT20 1TX	802.11n HT20 2TX CDD
5180 - 5240	802.11HT20 2TX STBC/SDM	802.11n HT20 2TX CDD
5180 - 5240	802.11ac VHT20 1TX	802.11n HT20 2TX CDD
5180 - 5240	802.11ac VHT20 2TX STBC/SDM	802.11n HT20 2TX CDD
5180 - 5240	802.11ac VHT20 2TX CDD/Tx BF	802.11n HT20 2TX CDD
5190 - 5230	802.11n HT40 1TX	802.11n HT40 2TX CDD
5190 - 5230	802.11n HT40 2TX STBC/SDM	802.11n HT40 2TX CDD
5190 - 5230	802.11ac VHT40 1TX	802.11n HT40 2TX CDD
5190 - 5230	802.11ac VHT40 2TX STBC/SDM	802.11n HT40 2TX CDD
5190 - 5230	802.11ac VHT40 2TX CDD/Tx BF	802.11n HT40 2TX CDD
5210	802.11ac VHT80 1TX	802.11ac VHT80 2TX CDD
5210	802.11ac VHT80 2TX STBC/SDM/Tx BF	802.11ac VHT80 2TX CDD

UNII 2A

5250 - 5350 MHz Authorized Frequency Band (Antenna port & Radiated Testing)		
Frequency Range [MHz]	Mode	Covered by
5260 - 5320	802.11a legacy 1TX/STBC 2TX	802.11a 2TX CDD
5260 - 5320	802.11HT20 1TX	802.11n HT20 2TX CDD
5260 - 5320	802.11HT20 2TX STBC/SDM	802.11n HT20 2TX CDD
5260 - 5320	802.11ac VHT20 1TX	802.11n HT20 2TX CDD
5260 - 5320	802.11ac VHT20 2TX STBC/SDM	802.11n HT20 2TX CDD
5260 - 5320	802.11ac VHT20 2TX CDD/Tx BF	802.11n HT20 2TX CDD
5270 - 5310	802.11n HT40 1TX	802.11n HT40 2TX CDD
5270 - 5310	802.11n HT40 2TX STBC/SDM	802.11n HT40 2TX CDD
5270 - 5310	802.11ac VHT40 1TX	802.11n HT40 2TX CDD
5270 - 5310	802.11ac VHT40 2TX STBC/SDM	802.11n HT40 2TX CDD
5270 - 5310	802.11ac VHT40 2TX CDD/Tx BF	802.11n HT40 2TX CDD
5290	802.11ac VHT80 1TX	802.11ac VHT80 2TX CDD
5290	802.11ac VHT80 2TX STBC/SDM/Tx BF	802.11ac VHT80 2TX CDD

UNII 2C

5470 - 5725 MHz Authorized Frequency Band (Antenna port & Radiated Testing)		
Frequency Range [MHz]	Mode	Covered by
5500 - 5720	802.11a legacy 1TX/STBC 2TX	802.11a 2TX CDD
5500 - 5720	802.11HT20 1TX	802.11n HT20 2TX CDD
5500 - 5720	802.11HT20 2TX STBC/SDM	802.11n HT20 2TX CDD
5500 - 5720	802.11ac VHT20 1TX	802.11n HT20 2TX CDD
5500 - 5720	802.11ac VHT20 2TX STBC/SDM	802.11n HT20 2TX CDD
5500 - 5720	802.11ac VHT20 2TX CDD/Tx BF	802.11n HT20 2TX CDD
5510 - 5710	802.11n HT40 1TX	802.11n HT40 2TX CDD
5510 - 5710	802.11n HT40 2TX STBC/SDM	802.11n HT40 2TX CDD
5510 - 5710	802.11ac VHT40 1TX	802.11n HT40 2TX CDD
5510 - 5710	802.11ac VHT40 2TX STBC/SDM	802.11n HT40 2TX CDD
5510 - 5710	802.11ac VHT40 2TX CDD/Tx BF	802.11n HT40 2TX CDD
5530 - 5690	802.11ac VHT80 1TX	802.11ac VHT80 2TX CDD
5530 - 5690	802.11ac VHT80 2TX STBC/SDM/Tx BF	802.11ac VHT80 2TX CDD

UNII 3

5725 - 5850 MHz Authorized Frequency Band (Antenna port & Radiated Testing)		
Frequency Range [MHz]	Mode	Covered by
5745 - 5825	802.11a legacy 1TX/STBC 2TX	802.11a 2TX CDD
5745 - 5825	802.11HT20 1TX	802.11n HT20 2TX CDD
5745 - 5825	802.11HT20 2TX STBC/SDM	802.11n HT20 2TX CDD
5745 - 5825	802.11ac VHT20 1TX	802.11n HT20 2TX CDD
5745 - 5825	802.11ac VHT20 2TX STBC/SDM	802.11n HT20 2TX CDD
5745 - 5825	802.11ac VHT20 2TX CDD/Tx BF	802.11n HT20 2TX CDD
5755 - 5795	802.11n HT40 1TX	802.11n HT40 2TX CDD
5755 - 5795	802.11n HT40 2TX STBC/SDM	802.11n HT40 2TX CDD
5755 - 5795	802.11ac VHT40 1TX	802.11n HT40 2TX CDD
5755 - 5795	802.11ac VHT40 2TX STBC/SDM	802.11n HT40 2TX CDD
5755 - 5795	802.11ac VHT40 2TX CDD/Tx BF	802.11n HT40 2TX CDD
5775	802.11ac VHT80 1TX	802.11ac VHT80 2TX CDD
5775	802.11ac VHT80 2TX STBC/SDM/Tx BF	802.11ac VHT80 2TX CDD

5.5. WORST-CASE CONFIGURATION AND MODE

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

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

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

802.11a mode: 6 Mbps
802.11n HT20mode: MCS0
802.11n HT40mode: MCS0
802.11ac VHT80mode: MCS0

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA12EWE	N/A	N/A
Data Cable	SAMSUNG	ECB-DG925UWE	N/A	N/A
Earphone	SAMSUNG	GH59-11129H	N/A	N/A

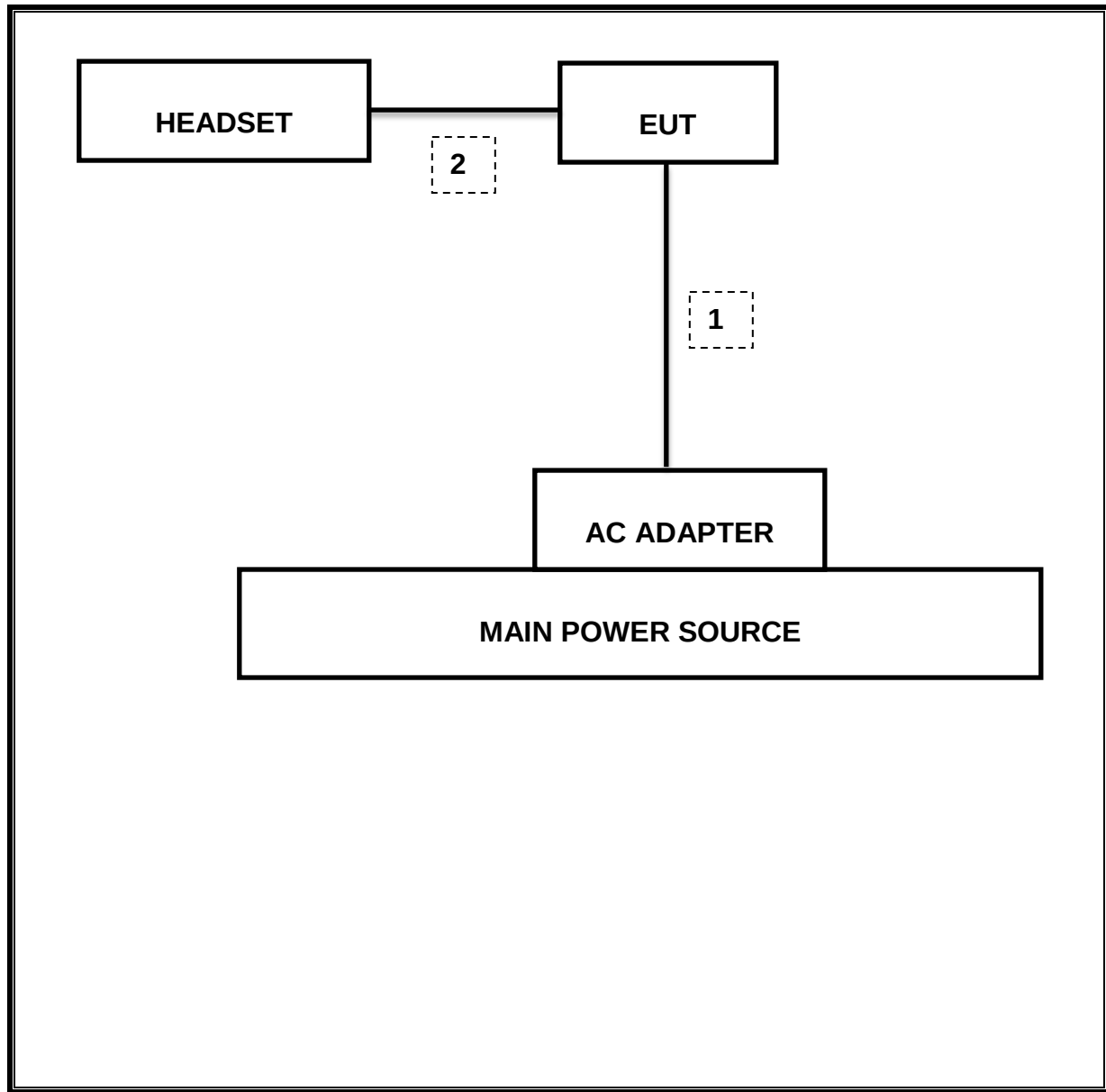
I/O CABLES

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	Mini-USB	Shielded	0.8m	N/A
2	Audio	1	Mini-Jack	Unshielded	1.0m	N/A

TEST SETUP

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

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	950	11-17-15
Antenna, Horn, 18 GHz	ETS	3115	00167211	09-20-15
Antenna, Horn, 40 GHz	ETS	3116C	00166255	09-23-15
Antenna, Horn, 40 GHz	ETS	3116C-PA	00168841	09-29-15
Preamplifier, 1000 MHz	Sonoma	310N	341282	11-17-15
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1876511	11-18-15
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	09-23-15
Bluetooth Tester	TESCOM	TC-3000C	3000C000546	11-17-15
Average Power Sensor	R&S	NRZ-Z91	102681	11-17-15
Average Power Sensor	Agilent / HP	U2000	MY54270007	09-23-15
EMI Test Receive, 40 GHz	R&S	ESU40	100439	11-17-15
EMI Test Receive, 3 GHz	R&S	ESR3	101832	11-17-15
Attenuator / Switch driver	HP	11713A	3748A04272	N/A
Low Pass Filter 3GHz	Micro-Tronics	LPS17541	009	11-17-15
High Pass Filter 5GHz	Micro-Tronics	HPS17542	009	11-17-15
High Pass Filter 6GHz	Micro-Tronics	HPM17543	010	11-17-15
LISN	R&S	ENV-216	101836	04-09-16
LISN	R&S	ENV-216	101837	04-09-16

7. SUMMARY TABLE

FCC Part Section	IC Section	Test Description	Test Limit	Test Condition	Test Result	Worst Case
15.407 (a)	-	Occupied Band width (26dB)	N/A	Conducted	Pass	see original
15.407	RSS-247 6.4.1(1)	6dB Band width (5.8Ghz)	500KHz		Pass	see original
15.407 (a)(2)	RSS-247 6.2.1(2) 6.2.2(2) 6.2.3(2)	TX Cond. Power 5.15-2.25, 5.25-5.35 & 5.47-5.725	<24dBm or 11+10Log(OBW)		Pass	see original
15.407 (a)(3)	RSS-247 6.2.4(2)	TX Cond. Power 5.725-5.825	< 30dBm or 17+10Log(OBW)		Pass	see original
15.407 (a)(5)	RSS-247 6.2.1(2) 6.2.2(2) 6.2.3(2)	PSD (5.2,5.3,5.5GHz)	<11dBm		Pass	see original
15.407 (a)(5)	RSS-247 6.2.4(2)	PSD (5.8GHz)	30dBm per 500kHz		Pass	see original
15.207 (a)	RSS-GEN Clause 8.8	AC Power Line conducted emissions	Section 10	Radiated	Pass	see original
15.407 (b) & 15.209	RSS-GEN Clause 7 & 8.9	Radiated Spurious Emission	< 54dBuV/m		Pass	50.48dBuV/m (AV)
15.407 (h)(2)	RSS-247 6.3	Dynamic Frequency Selection	N/A	Condcuted	Pass	see original

- NOTE : The DFS test of original model was performed only conducted condition. Change of antenna layout does not have an affect on the DFS conducted performance. Please refer to the original test report of DFS results.

8. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

LIMITS

None; for reporting purposes only.

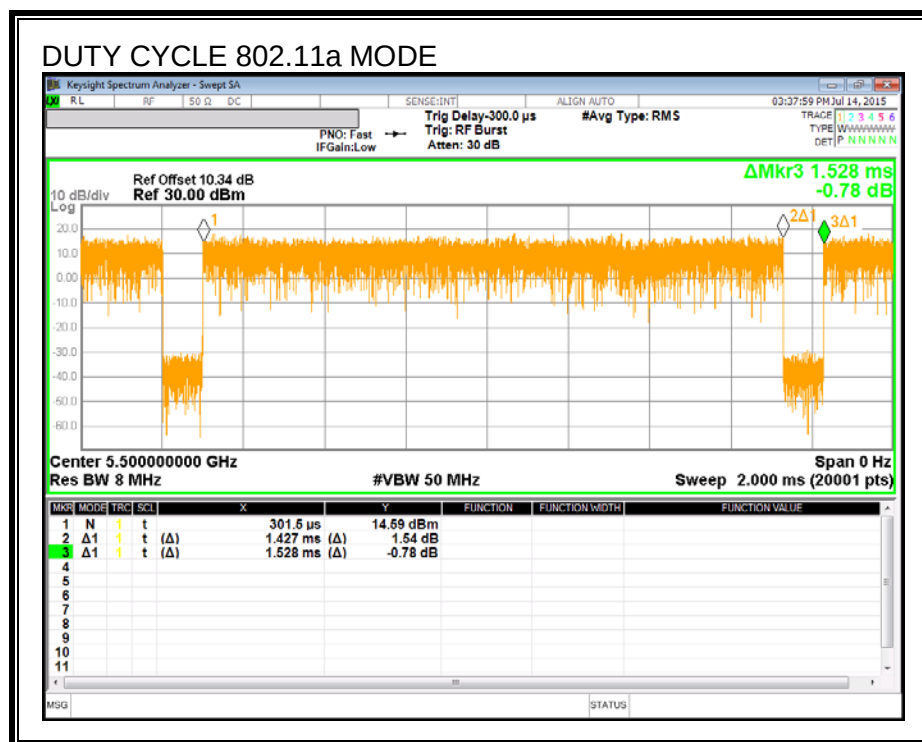
PROCEDURE

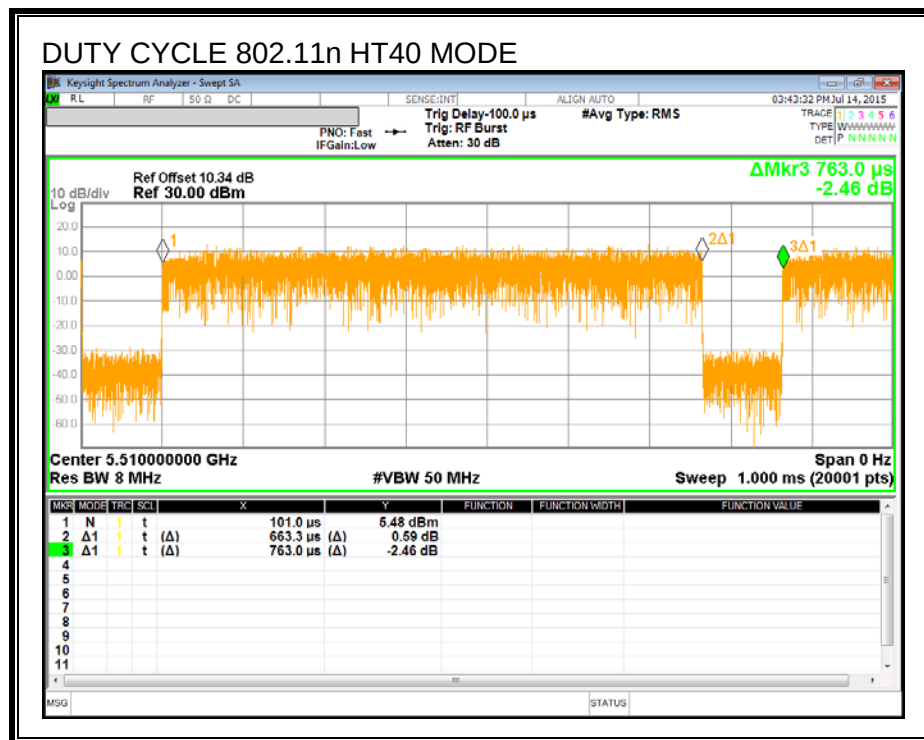
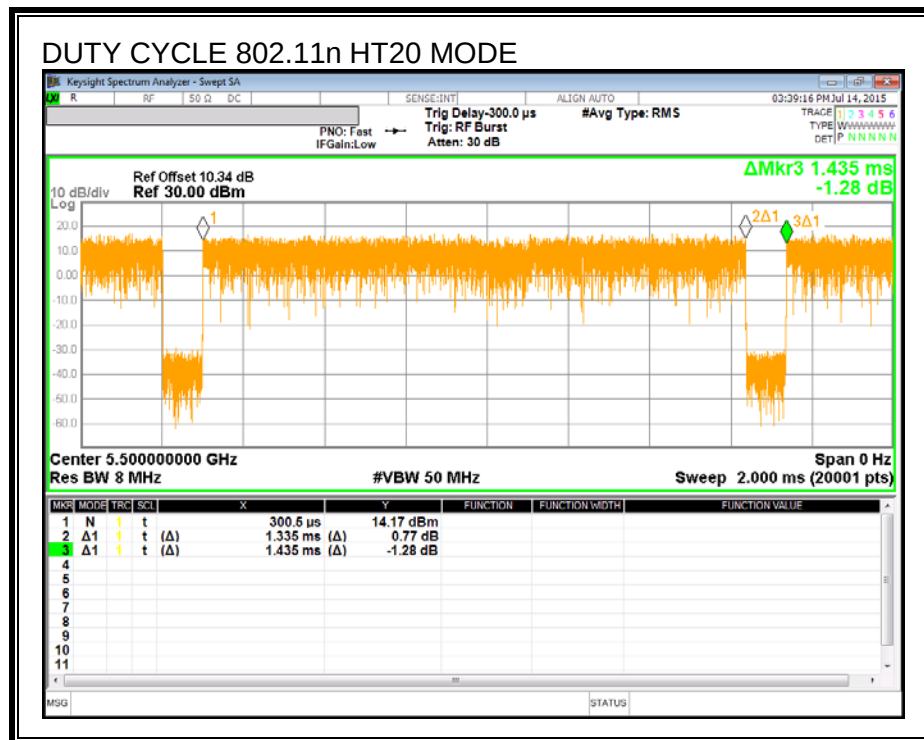
KDB 789033 Zero-Span Spectrum Analyzer Method.

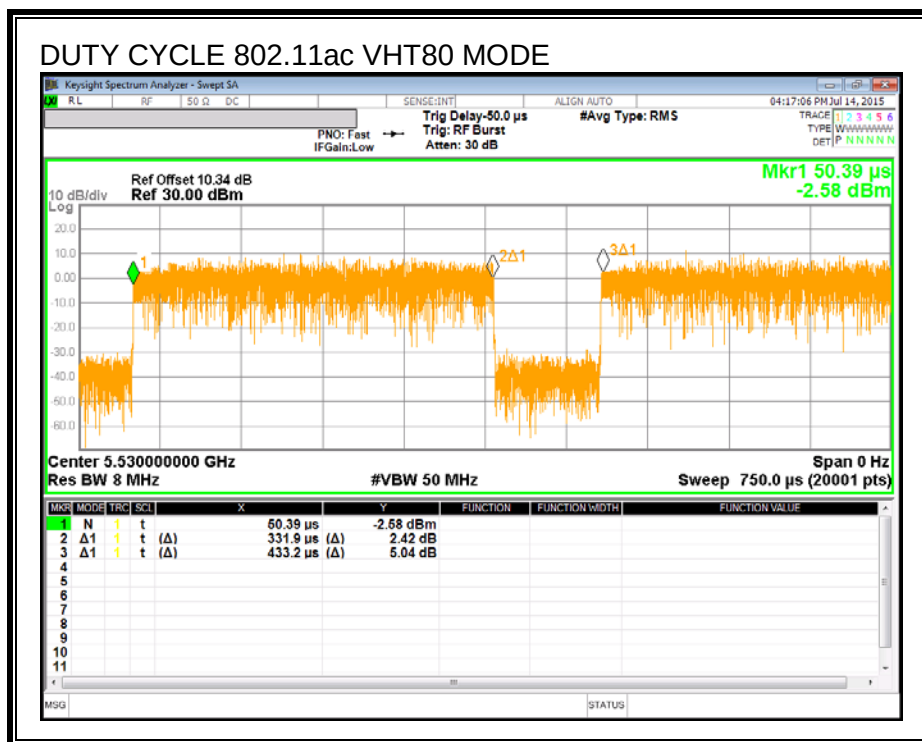
8.1. ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B [msec]	Period [msec]	Duty Cycle x [linear]	Duty Cycle [%]	Duty Cycle Correction Factor [dB]	1/T Minimum VBW [kHz]
802.11a	1.427	1.528	0.934	93.4%	0.30	0.701
802.11n HT20	1.335	1.435	0.930	93.0%	0.31	0.749
802.11n HT40	0.663	0.763	0.869	86.9%	0.61	1.508
802.11ac VHT80	0.332	0.432	0.769	76.9%	1.14	3.014

8.2. DUTY CYCLE PLOTS







9. MEASUREMENT METHOD

KDB 789033 D02 General UNII Test Procedures New Rules v01

The Duty Cycle is less than 98% and consistent therefore KDB 789033 Method SA-2 is used for power and PPSD

The Duty Cycle is less than 98% and consistent, KDB 789033 Method AD with Power RMS Averaging and duty cycle correction is used.

MIMO Device: KDB 662911 v02r01

10. TRANSMITTER ABOVE 1 GHz

LIMITS

FCC §15.205 and §15.209
IC RSS-GEN Clause 8.9 (Transmitter)
IC RSS-GEN Clause 7 (Receiver)

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
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. The antenna to EUT distance is 3 meters.

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.

Reference to KDB 789033 D02 UNII part G) 6) c) Method AD:

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 to the reading offset for average measurements.

The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

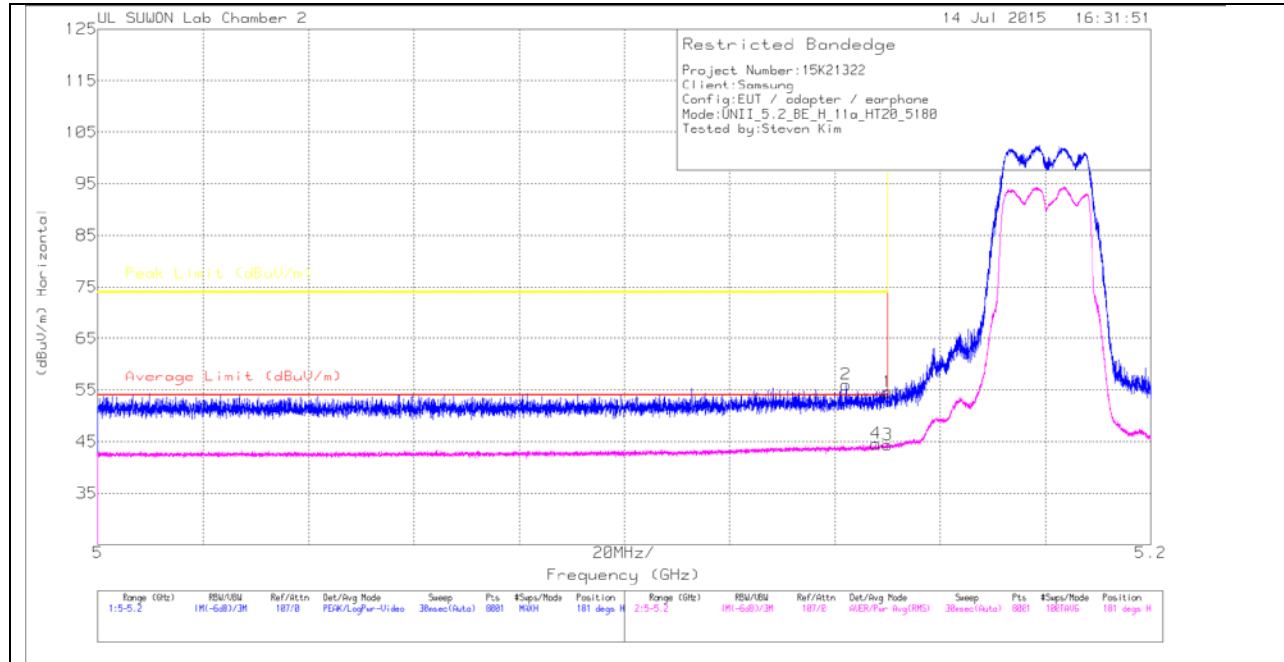
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

10.1. 5.2 GHz

10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

TRACE MARKERS

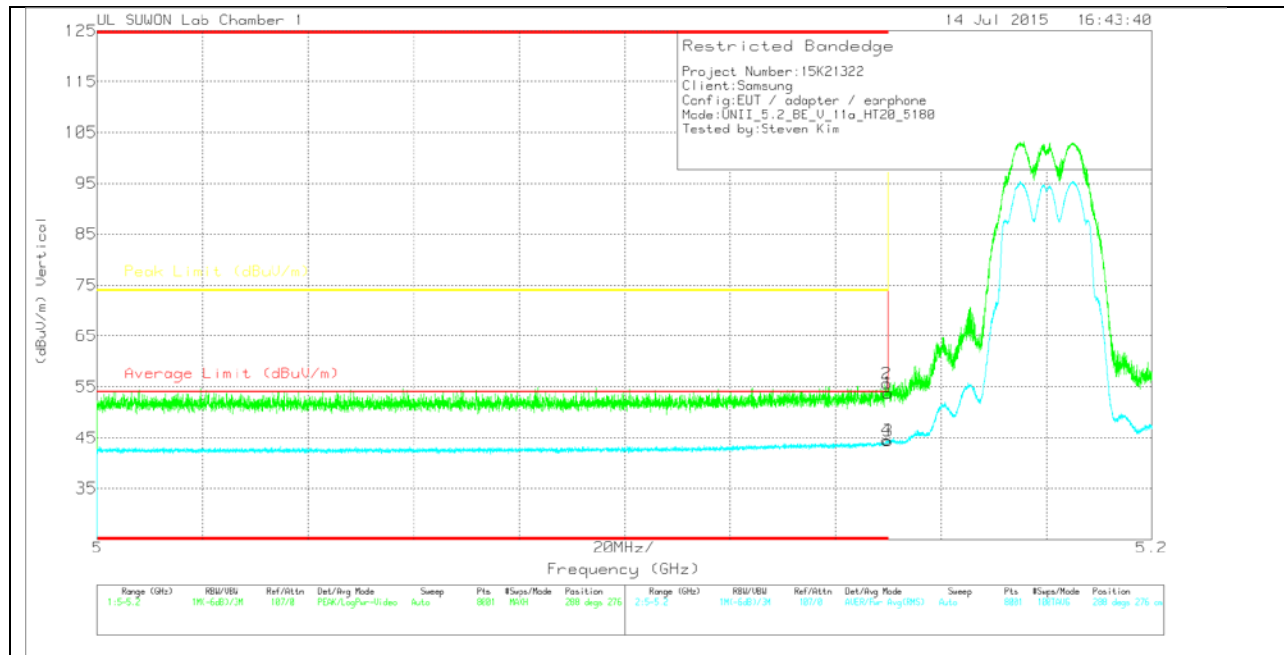
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.81	Pk		-19.4	0	54.61	-	-	74	-19.39	181	101	H
2	* 5.142	41.26	Pk		-19.4	0	56.06	-	-	74	-17.94	181	101	H
3	* 5.15	29.25	RMS		-19.4	.3	44.35	54	-9.65	-	-	181	101	H
4	* 5.148	29.48	RMS		-19.4	.3	44.58	54	-9.42	-	-	181	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	3117(001687 17)_150619	Path_2_10d B	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	* 5.15	38.94	Pk	34.2	-19.4	0	53.74	-	-	74	-20.26	288	276	V
2	* 5.15	40.82	Pk	34.2	-19.4	0	55.62	-	-	74	-18.38	288	276	V
3	* 5.15	29.31	RMS	34.2	-19.4	.3	44.41	54	-9.59	-	-	288	276	V
4	* 5.15	29.38	RMS	34.2	-19.4	.3	44.48	54	-9.52	-	-	288	276	V

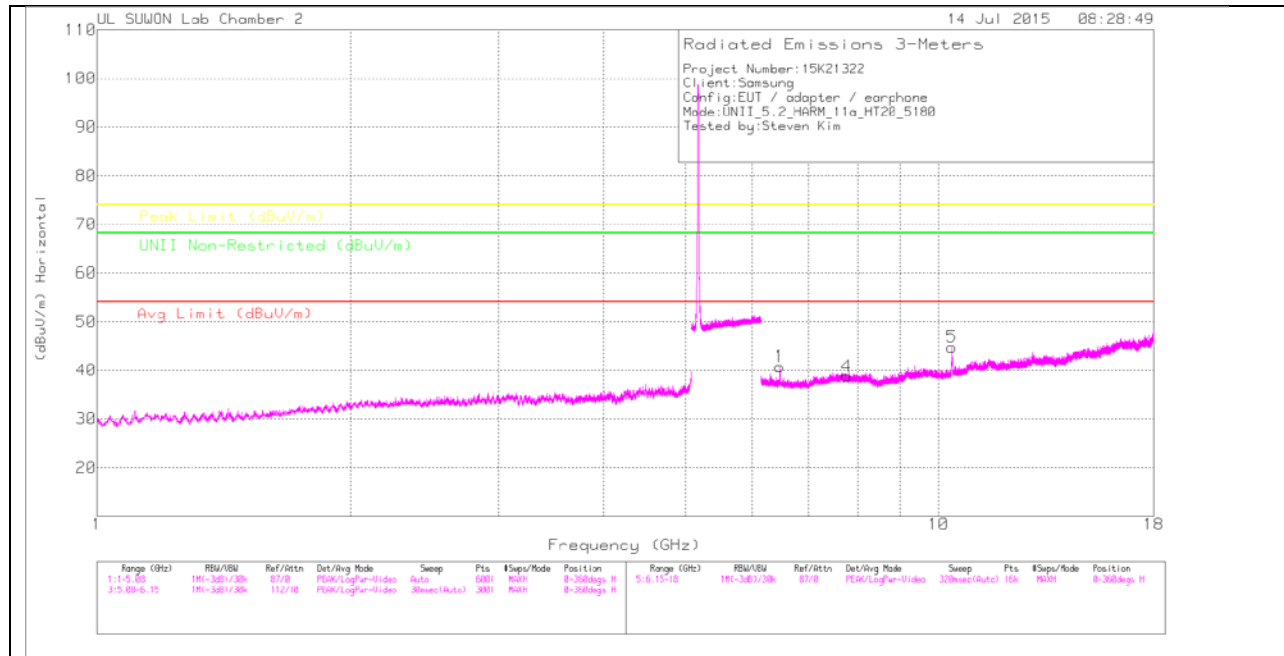
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

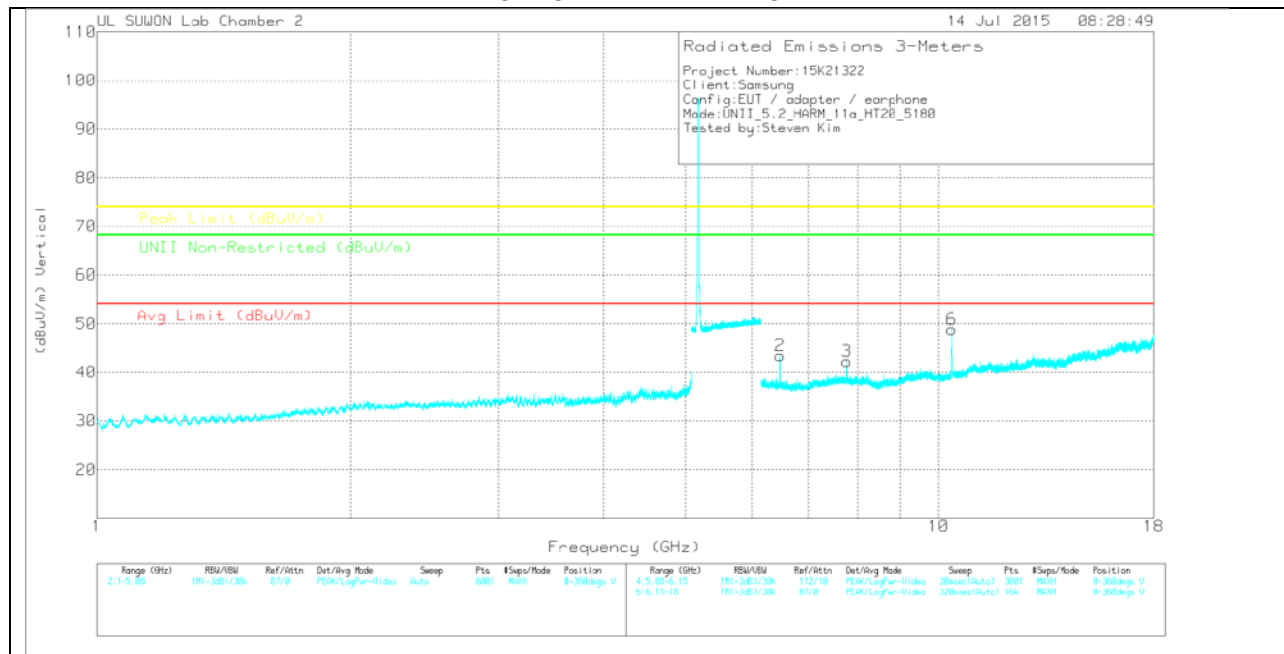
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.474	28.78	PK	35.2	-23.2	0	40.78	-	-	-	-	68.2	-27.42	0-360	200	H
4	7.771	24.42	PK	36	-21.7	0	38.72	-	-	-	-	68.2	-29.48	0-360	100	H
5	10.359	25.39	PK	37.6	-18.2	0	44.79	-	-	-	-	68.2	-23.41	0-360	200	H
2	6.475	31.48	PK	35.2	-23.2	0	43.48	-	-	-	-	68.2	-24.72	0-360	200	V
3	7.77	27.92	PK	36	-21.7	0	42.22	-	-	-	-	68.2	-25.98	0-360	100	V
6	10.36	29.5	PK	37.6	-18.2	0	48.9	-	-	-	-	68.2	-19.3	0-360	200	V

PK – Peak detector

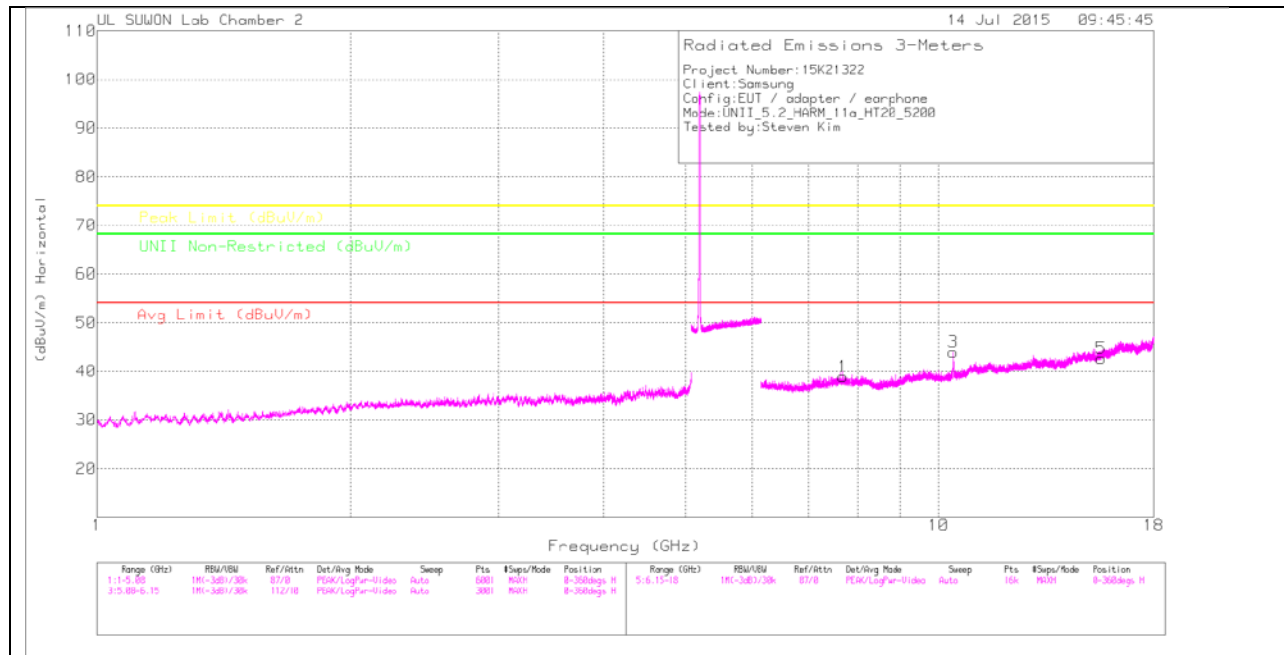
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.475	39.44	PK-U	35.2	-23.2	0	51.44	-	-	-	-	68.2	-16.76	39	250	H
10.361	38.65	PK-U	37.6	-18.2	0	58.05	-	-	-	-	68.2	-10.15	97	316	H
6.475	38.38	PK-U	35.2	-23.2	0	50.38	-	-	-	-	68.2	-17.82	321	215	V
7.77	36.5	PK-U	36	-21.7	0	50.8	-	-	-	-	68.2	-17.4	105	314	V
10.363	38.74	PK-U	37.6	-18.1	0	58.24	-	-	-	-	68.2	-9.96	104	343	V

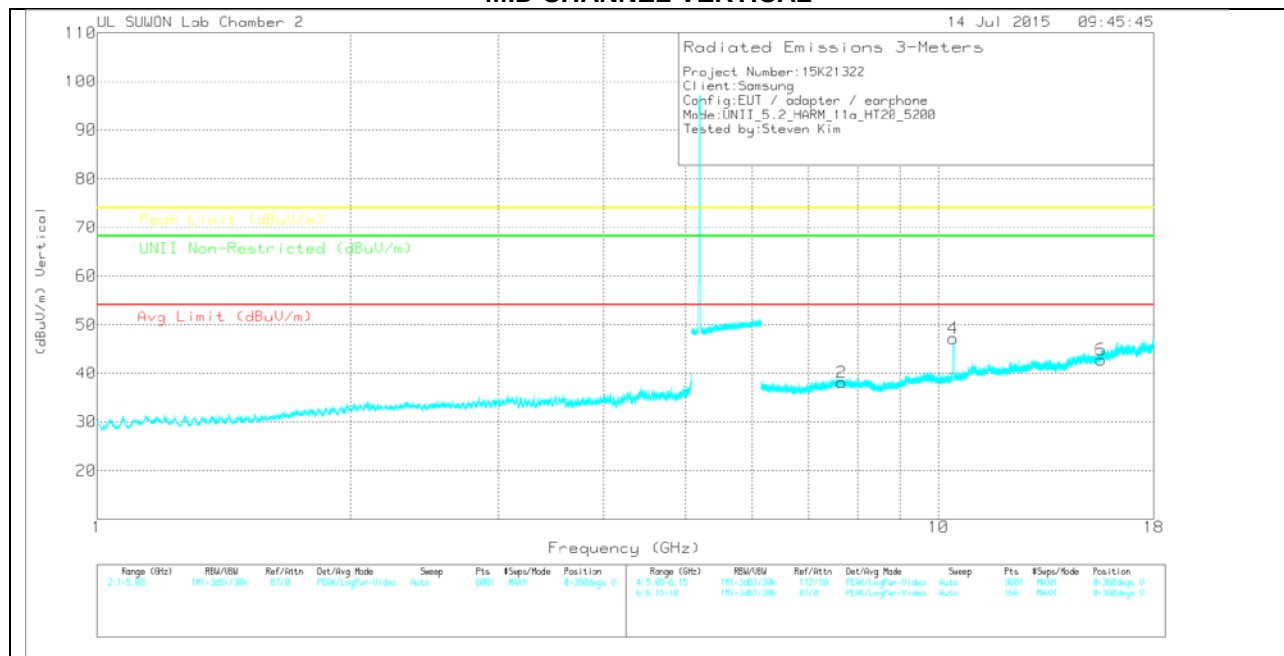
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.7	24.08	PK	36	-21.2	0	38.88	-	-	74	-35.12	-	-	0-360	200	H
3	10.396	24.3	PK	37.6	-17.9	0	44	-	-	-	-	68.2	-24.2	0-360	100	H
5	* 15.597	19	PK	40	-16.3	0	42.7	-	-	74	-31.3	-	-	0-360	100	H
2	* 7.673	23.48	PK	36	-21.3	0	38.18	-	-	74	-35.82	-	-	0-360	200	V
4	10.399	27.42	PK	37.6	-17.9	0	47.12	-	-	-	-	68.2	-21.08	0-360	99	V
6	* 15.589	19.14	PK	40	-16.3	0	42.84	-	-	74	-31.16	-	-	0-360	99	V

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

PK – Peak detector

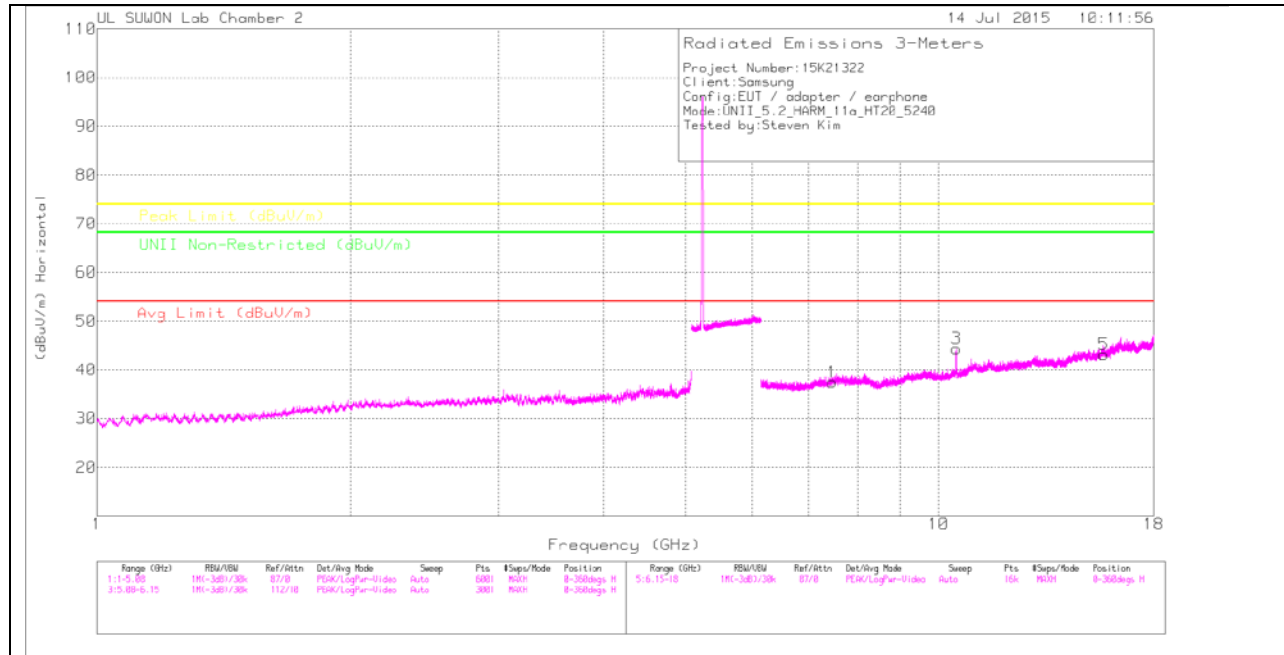
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.402	37.46	PK-U	37.6	-17.9	0	57.16	-	-	-	-	68.2	-11.04	171	323	H
10.399	39.25	PK-U	37.6	-17.9	0	58.95	-	-	-	-	68.2	-9.25	180	333	V

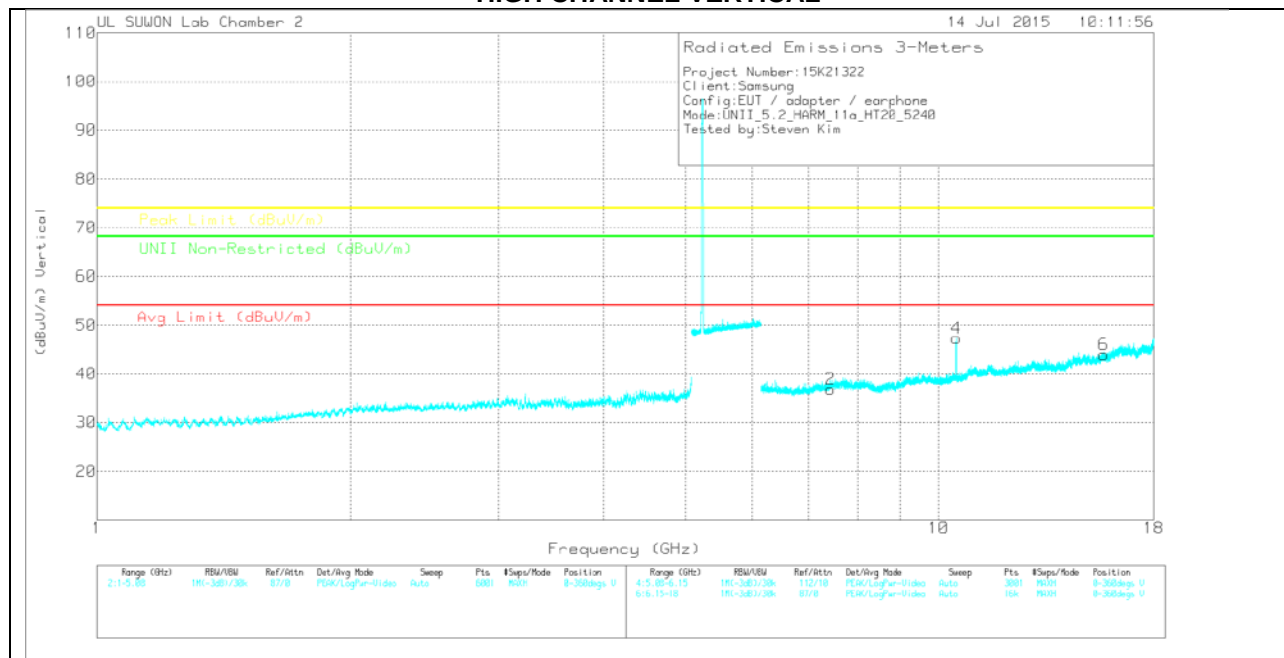
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.477	23.81	PK	36	-22.3	0	37.51	-	-	74	-36.49	-	-	0-360	200	H
3	10.481	24.6	PK	37.7	-17.9	0	44.4	-	-	-	-	68.2	-23.8	0-360	100	H
5	* 15.715	19.6	PK	40.1	-16.5	0	43.2	-	-	74	-30.8	-	-	0-360	200	H
2	* 7.439	23.28	PK	36	-22.4	0	36.88	-	-	74	-37.12	-	-	0-360	200	V
4	10.483	27.47	PK	37.7	-17.9	0	47.27	-	-	-	-	68.2	-20.93	0-360	100	V
6	* 15.715	20.32	PK	40.1	-16.5	0	43.92	-	-	74	-30.08	-	-	0-360	100	V

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

PK – Peak detector

Radiated Emissions

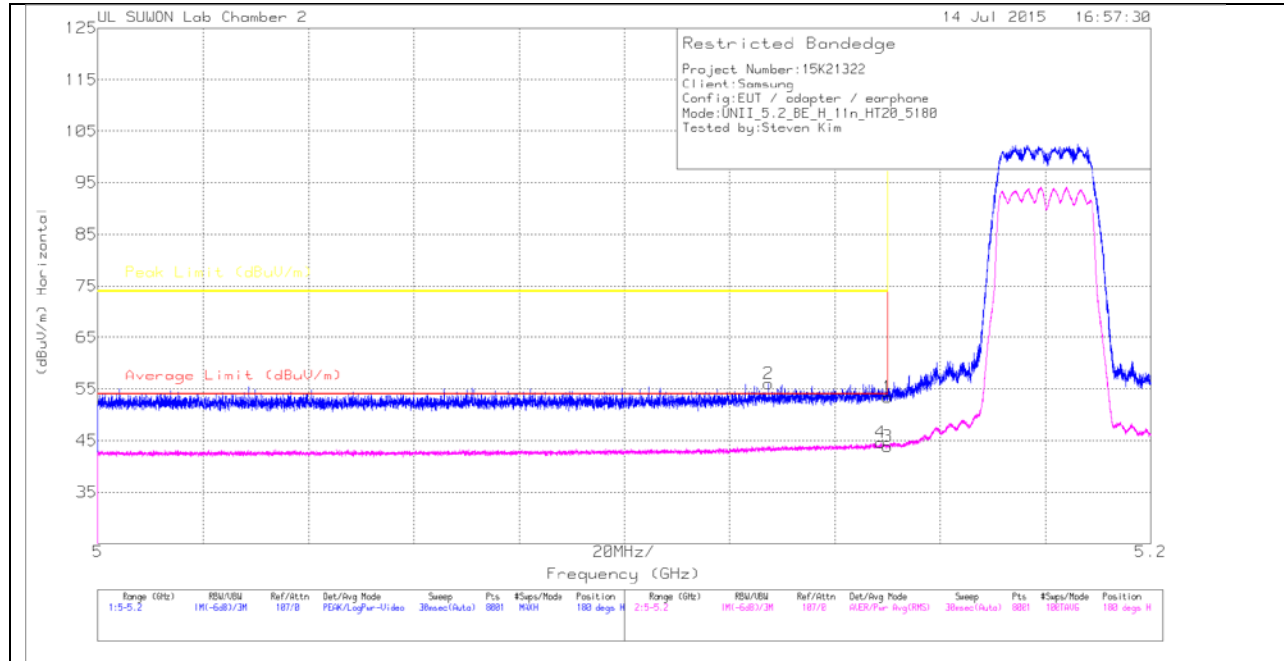
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.483	39.2	PK-U	37.7	-17.9	0	59	-	-	-	-	68.2	-9.2	348	103	V
10.483	36.11	PK-U	37.7	-17.9	0	55.91	-	-	-	-	68.2	-12.29	312	389	H

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

PK-U - U-NII: Maximum Peak

10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

TRACE MARKERS

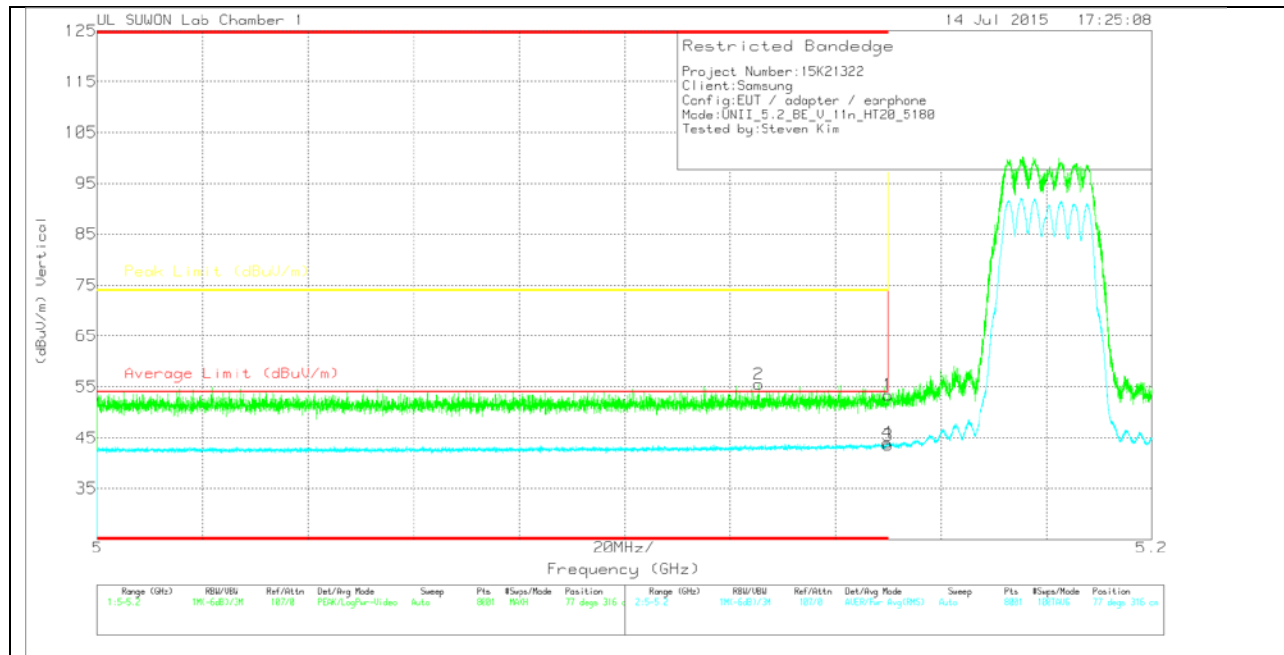
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 171_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.6	Pk	34.2	-19.4	0	53.4	-	-	74	-20.6	180	100	H
2	* 5.127	41.34	Pk	34.2	-19.5	0	56.04	-	-	74	-17.96	180	100	H
3	* 5.15	28.79	RMS	34.2	-19.4	.31	43.9	54	-10.1	-	-	180	100	H
4	* 5.149	29.48	RMS	34.2	-19.4	.31	44.59	54	-9.41	-	-	180	100	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	3117/00168 717_15061 9	Path_2_10d B	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	* 5.15	38.59	Pk		-19.4	0	53.39	-	-	74	-20.61	77	316	V
2	* 5.125	40.79	Pk		-19.5	0	55.49	-	-	74	-18.51	77	316	V
3	* 5.15	28.39	RMS		-19.4	.31	43.5	54	-10.5	-	-	77	316	V
4	* 5.15	28.86	RMS		-19.4	.31	43.97	54	-10.03	-	-	77	316	V

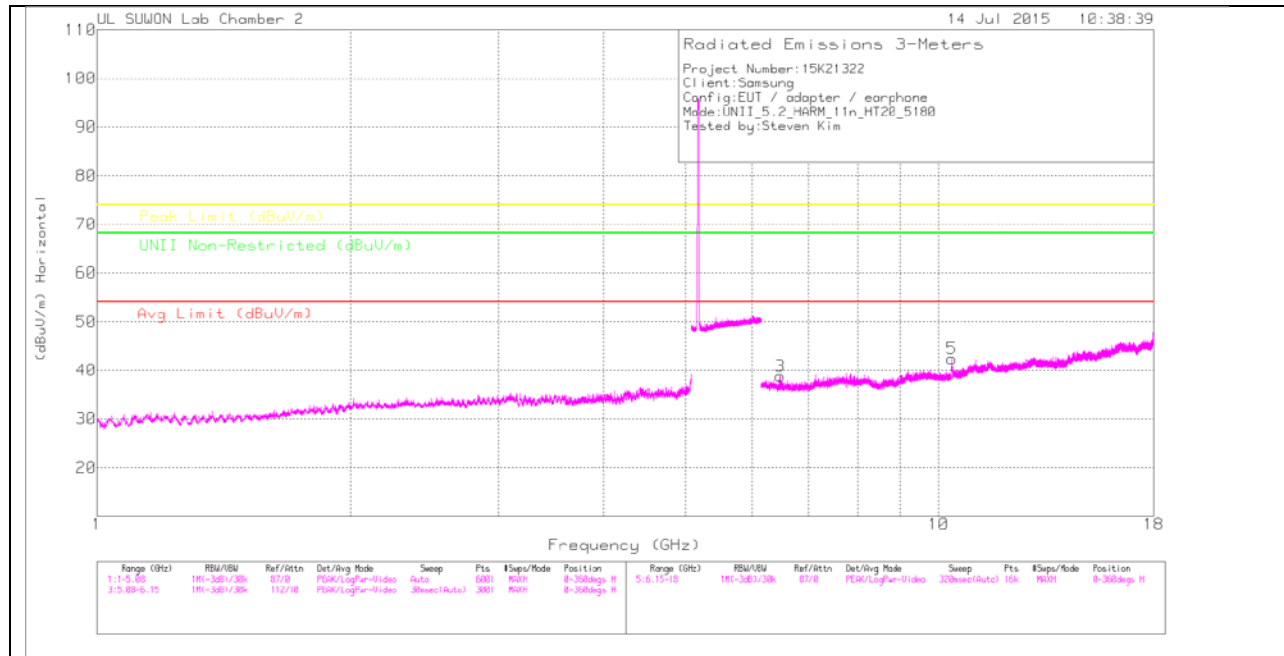
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

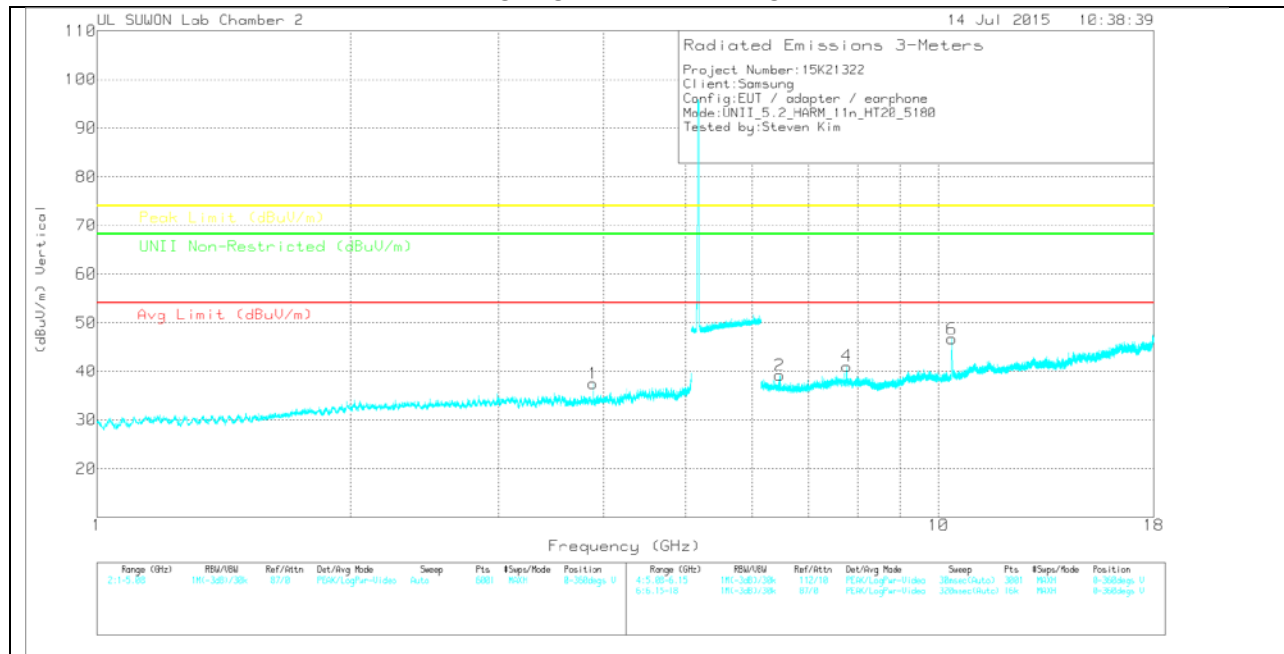
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0015 8724_150 619	Path_4	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.885	29.93	PK	33.1	-25.5	0	37.53	-	-	74	-36.47	-	-	0-360	200	V
3	6.475	26.83	PK	35.2	-23.2	0	38.83	-	-	-	-	68.2	-29.37	0-360	100	H
5	10.363	22.92	PK	37.6	-18.1	0	42.42	-	-	-	-	68.2	-25.78	0-360	200	H
2	6.474	27.14	PK	35.2	-23.2	0	39.14	-	-	-	-	68.2	-29.06	0-360	200	V
4	7.77	26.74	PK	36	-21.7	0	41.04	-	-	-	-	68.2	-27.16	0-360	100	V
6	10.362	27.15	PK	37.6	-18.1	0	46.65	-	-	-	-	68.2	-21.55	0-360	100	V

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

PK – Peak detector

Radiated Emissions

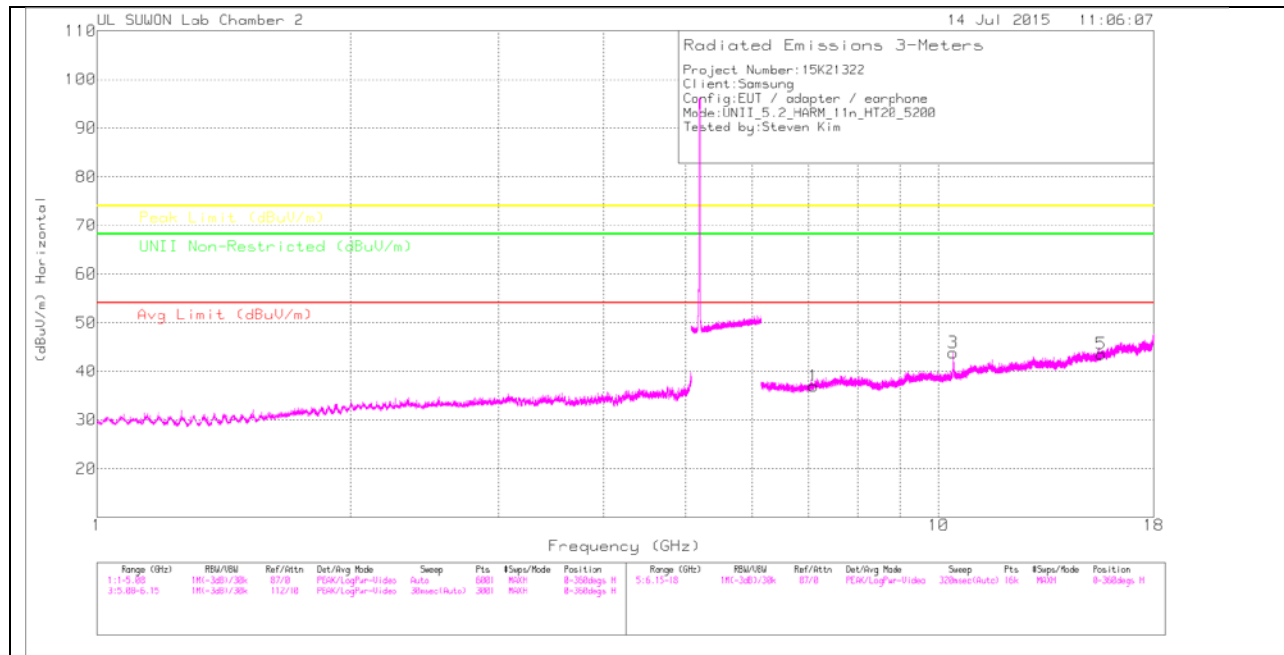
Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0015872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.361	38.65	PK-U	37.6	-18.2	0	58.05	-	-	-	-	68.2	-10.15	97	316	H
10.356	37.66	PK-U	37.6	-18.2	0	57.06	-	-	-	-	68.2	-11.14	344	104	V

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

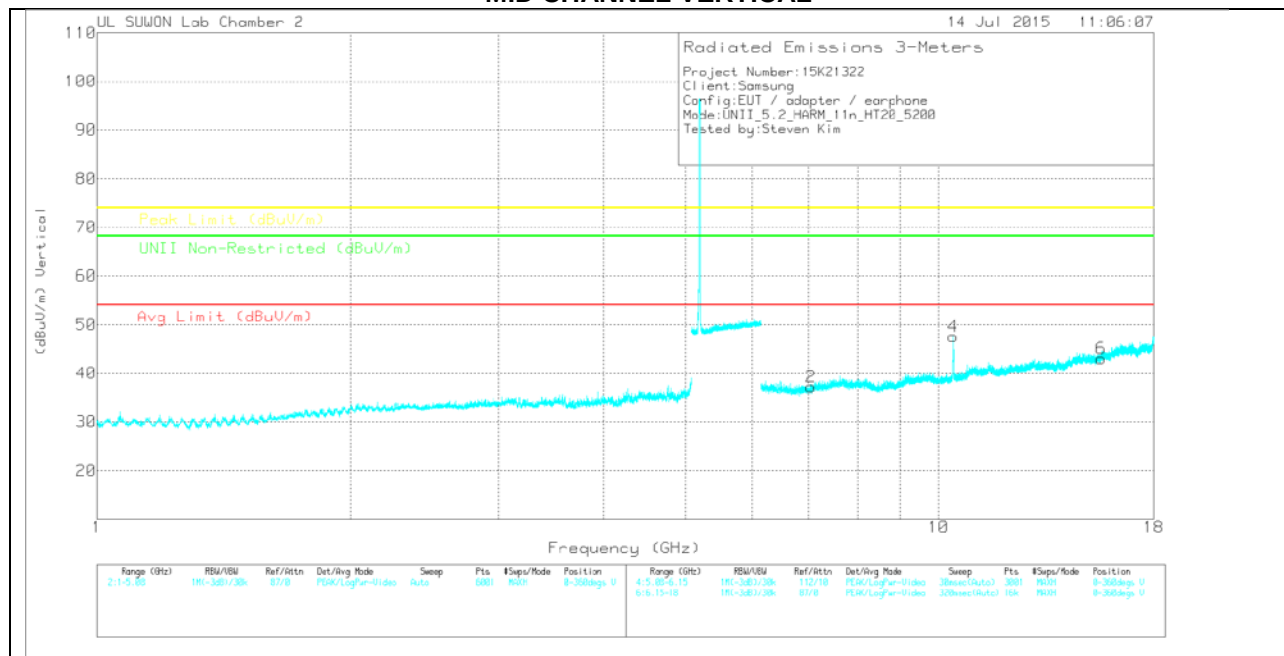
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.1	23.82	PK	35.6	-22.5	0	36.92	-	-	-	-	68.2	-31.28	0-360	100	H
3	10.399	24.15	PK	37.6	-17.9	0	43.85	-	-	-	-	68.2	-24.35	0-360	200	H
5	* 15.597	19.9	PK	40	-16.3	0	43.6	-	-	74	-30.4	-	-	0-360	200	H
2	7.051	23.36	PK	35.6	-21.7	0	37.26	-	-	-	-	68.2	-30.94	0-360	100	V
4	10.402	27.85	PK	37.6	-17.9	0	47.55	-	-	-	-	68.2	-20.65	0-360	100	V
6	* 15.589	19.33	PK	40	-16.3	0	43.03	-	-	74	-30.97	-	-	0-360	100	V

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

PK – Peak detector

Radiated Emissions

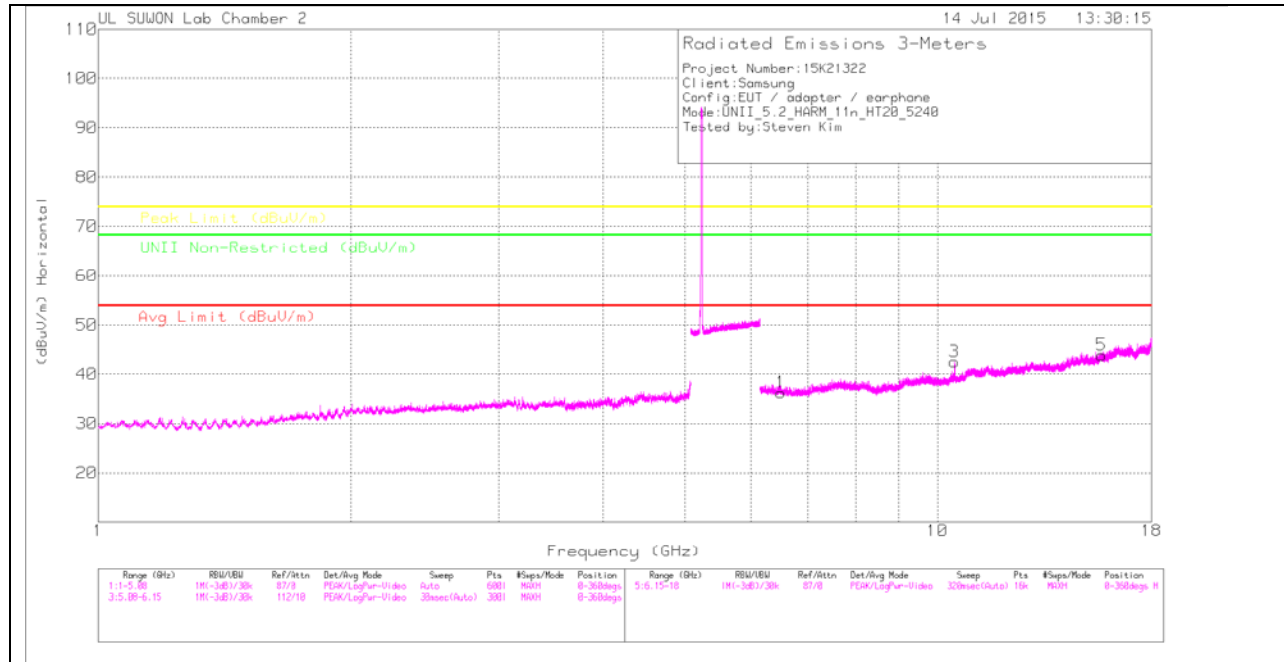
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.402	38.73	PK-U	37.6	-17.9	0	58.43	-	-	-	-	68.2	-9.77	179	108	V

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

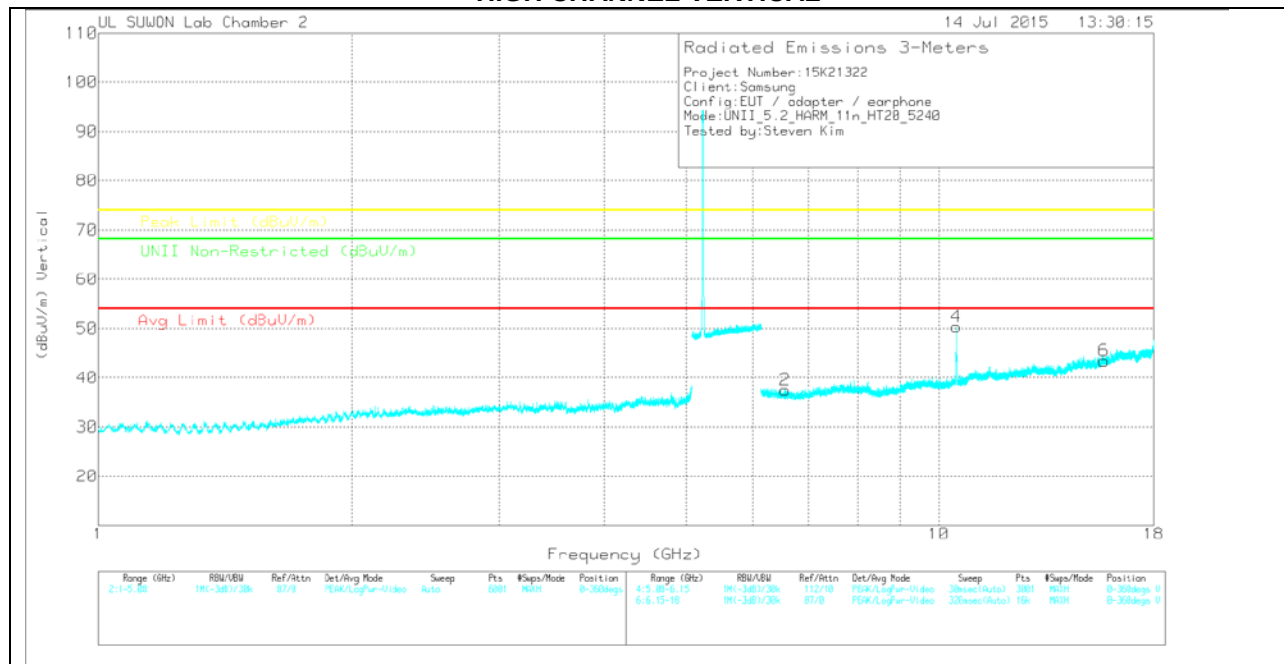
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0015 8724_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.508	24.49	PK	35.3	-23.5	0	36.29	-	-	-	-	68.2	-31.91	0-360	200	H
3	10.479	22.75	PK	37.7	-17.9	0	42.55	-	-	-	-	68.2	-25.65	0-360	200	H
5	* 15.72	20.39	PK	40.1	-16.6	0	43.89	-	-	74	-30.11	-	-	0-360	99	H
2	6.559	25.71	PK	35.3	-23.5	0	37.51	-	-	-	-	68.2	-30.69	0-360	200	V
4	10.482	30.56	PK	37.7	-17.9	0	50.36	-	-	-	-	68.2	-17.84	0-360	200	V
6	* 15.721	19.95	PK	40.1	-16.6	0	43.45	-	-	74	-30.55	-	-	0-360	200	V

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

PK – Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0015872 4_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.48	38.84	PK-U	37.7	-17.9	0	58.64	-	-	-	-	68.2	-9.56	179	367	V

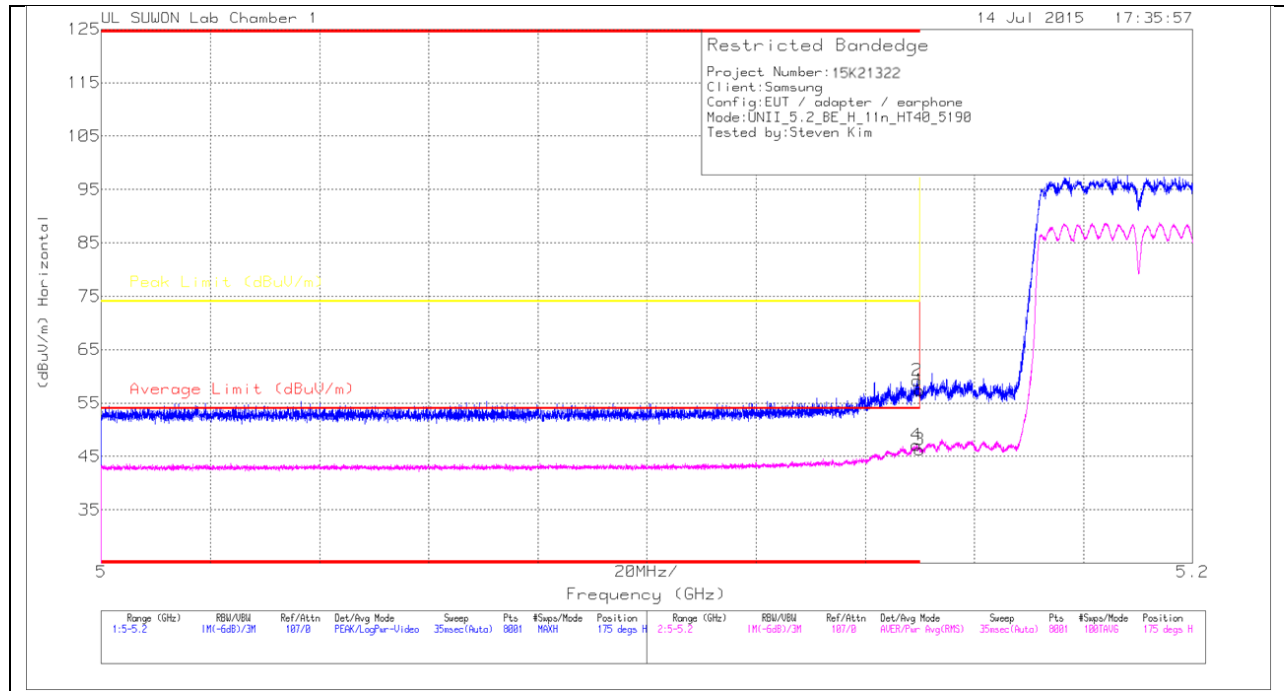
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

TRACE MARKERS

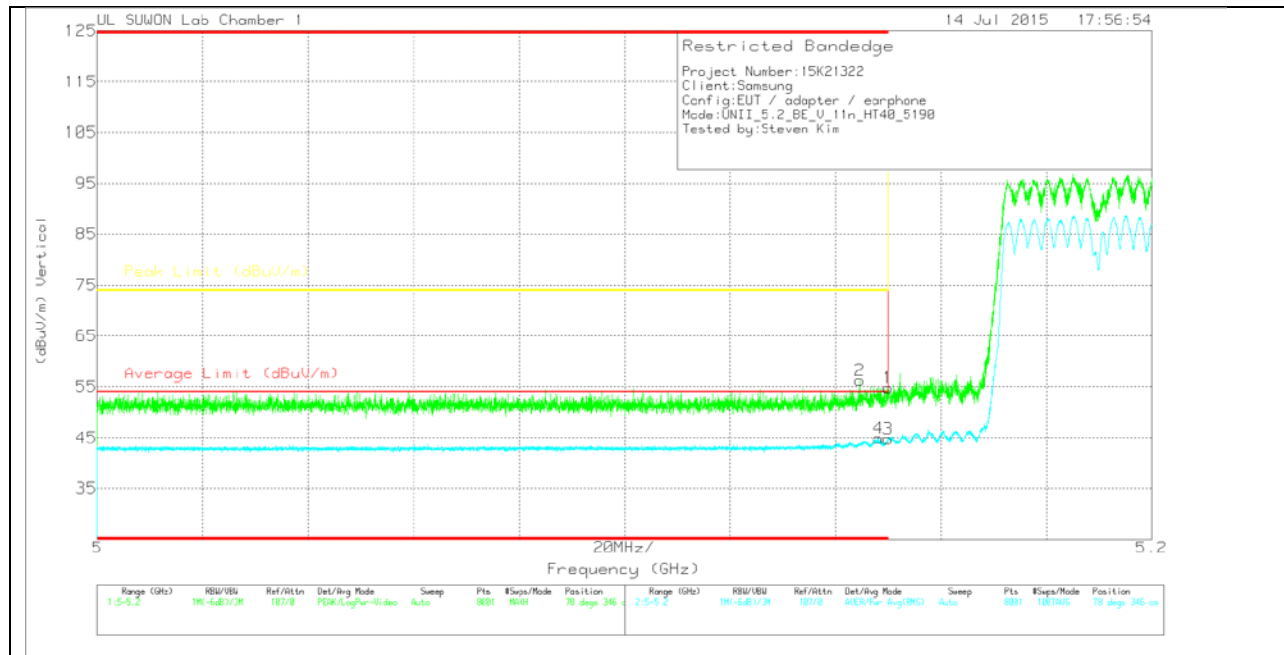
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.56	Pk	34.2	-19.4	0	57.36	-	-	74	-16.64	175	102	H
2	* 5.15	44.41	Pk	34.2	-19.4	0	59.21	-	-	74	-14.79	175	102	H
3	* 5.15	30.83	RMS	34.2	-19.4	.61	46.24	54	-7.76	-	-	175	102	H
4	* 5.149	31.71	RMS	34.2	-19.4	.61	47.12	54	-6.88	-	-	175	102	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	3117/001687 17_150619	Path_2_10d B	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	* 5.15	40.03	Pk	34.2	-19.4	0	54.83	-	-	74	-19.17	78	346	V
2	* 5.145	41.45	Pk	34.2	-19.4	0	56.25	-	-	74	-17.75	78	346	V
3	* 5.15	29.36	RMS	34.2	-19.4	.61	44.77	54	-9.23	-	-	78	346	V
4	* 5.148	29.53	RMS	34.2	-19.4	.61	44.94	54	-9.06	-	-	78	346	V

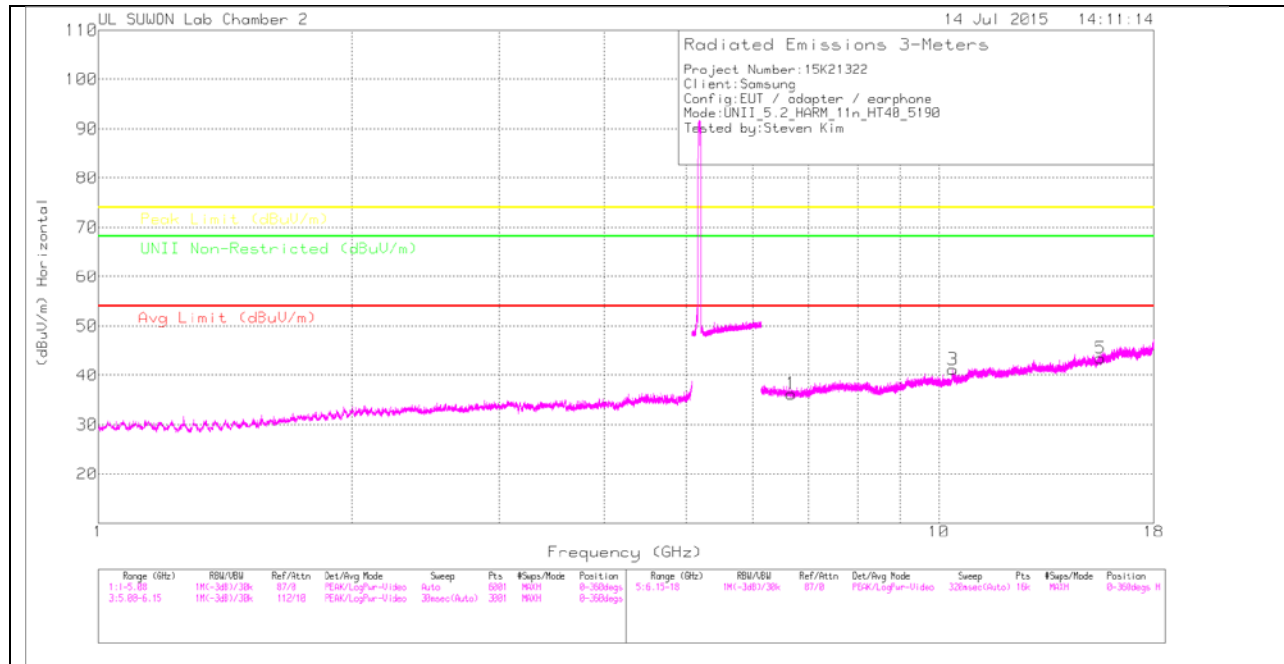
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

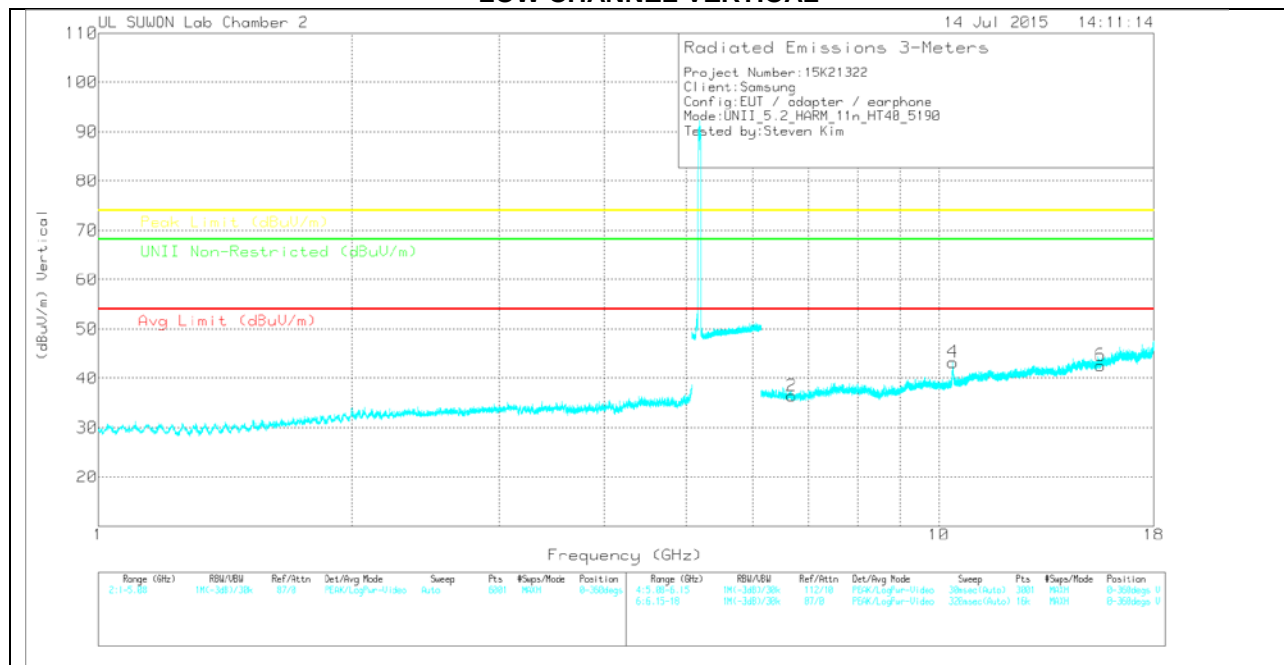
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.662	23.77	PK	35.4	-22.9	0	36.27	-	-	-	-	68.2	-31.93	0-360	100	H
3	10.382	21.62	PK	37.6	-18	0	41.22	-	-	-	-	68.2	-26.98	0-360	100	H
5	* 15.57	19.69	PK	40	-16.2	0	43.49	-	-	74	-30.51	-	-	0-360	200	H
2	6.675	23.88	PK	35.4	-22.8	0	36.48	-	-	-	-	68.2	-31.72	0-360	200	V
4	10.383	23.68	PK	37.6	-18	0	43.28	-	-	-	-	68.2	-24.92	0-360	100	V
6	* 15.57	18.84	PK	40	-16.2	0	42.64	-	-	74	-31.36	-	-	0-360	100	V

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

PK – Peak detector

Radiated Emissions

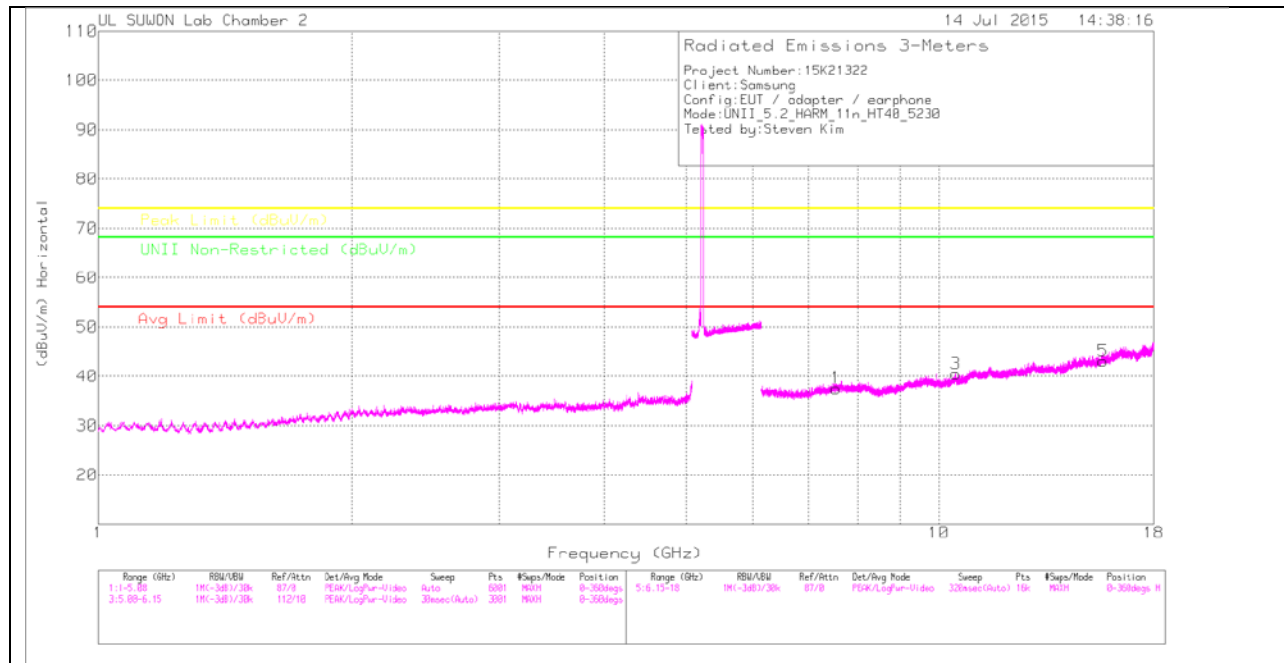
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.388	35.42	PK-U	37.6	-18	0	55.02	-	-	-	-	68.2	-13.18	178	337	V

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

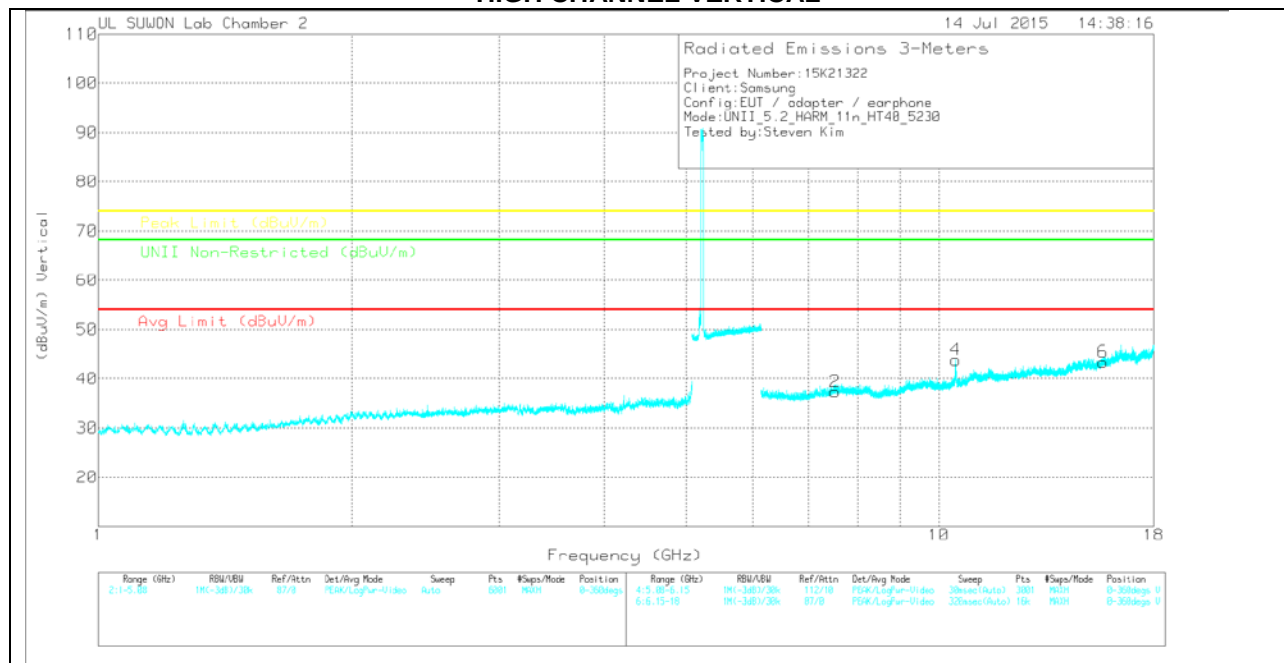
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0015 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.542	23.27	PK	36.1	-21.8	0	37.57	-	-	74	-36.43	-	-	0-360	200	H
3	10.462	20.59	PK	37.7	-17.8	0	40.49	-	-	-	-	68.2	-27.71	0-360	200	H
5	* 15.689	19.5	PK	40.1	-16.5	0	43.1	-	-	74	-30.9	-	-	0-360	100	H
2	* 7.527	23.15	PK	36.1	-21.9	0	37.35	-	-	74	-36.65	-	-	0-360	200	V
4	10.462	23.93	PK	37.7	-17.8	0	43.83	-	-	-	-	68.2	-24.37	0-360	200	V
6	* 15.689	19.79	PK	40.1	-16.5	0	43.39	-	-	74	-30.61	-	-	0-360	200	V

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

PK – Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.468	34.99	PK-U	37.7	-17.8	0	54.89	-	-	-	-	68.2	-13.31	346	100	V

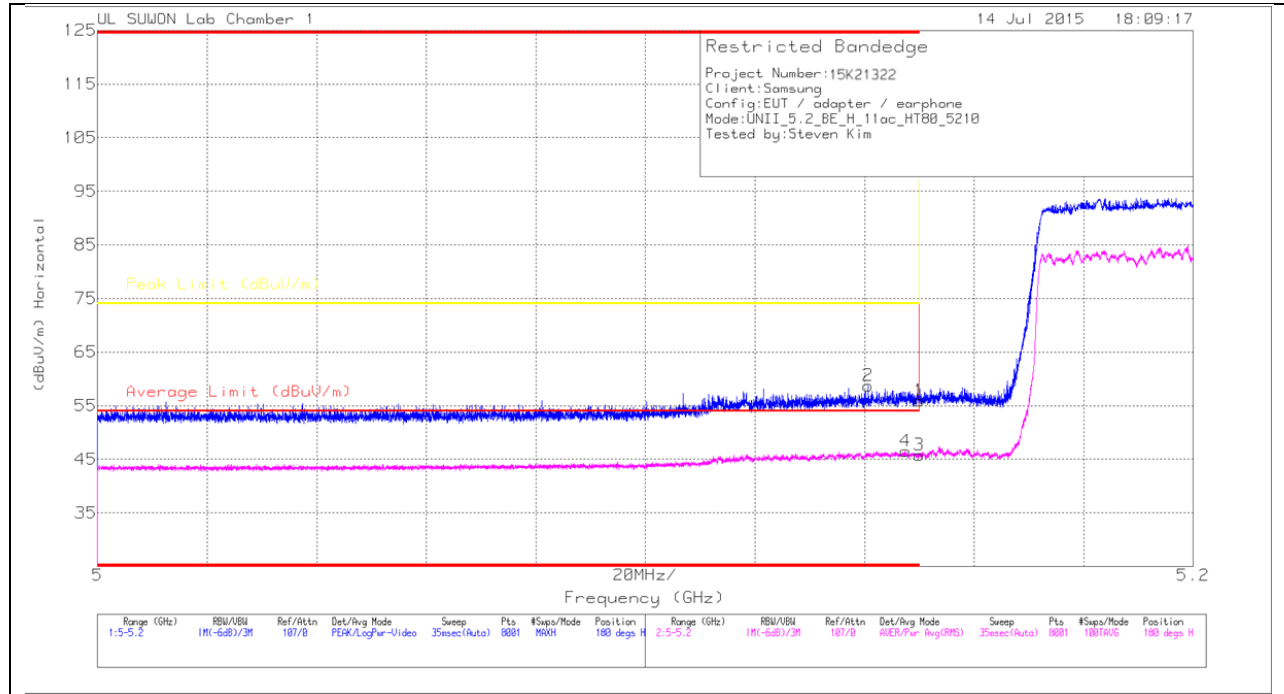
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

TRACE MARKERS

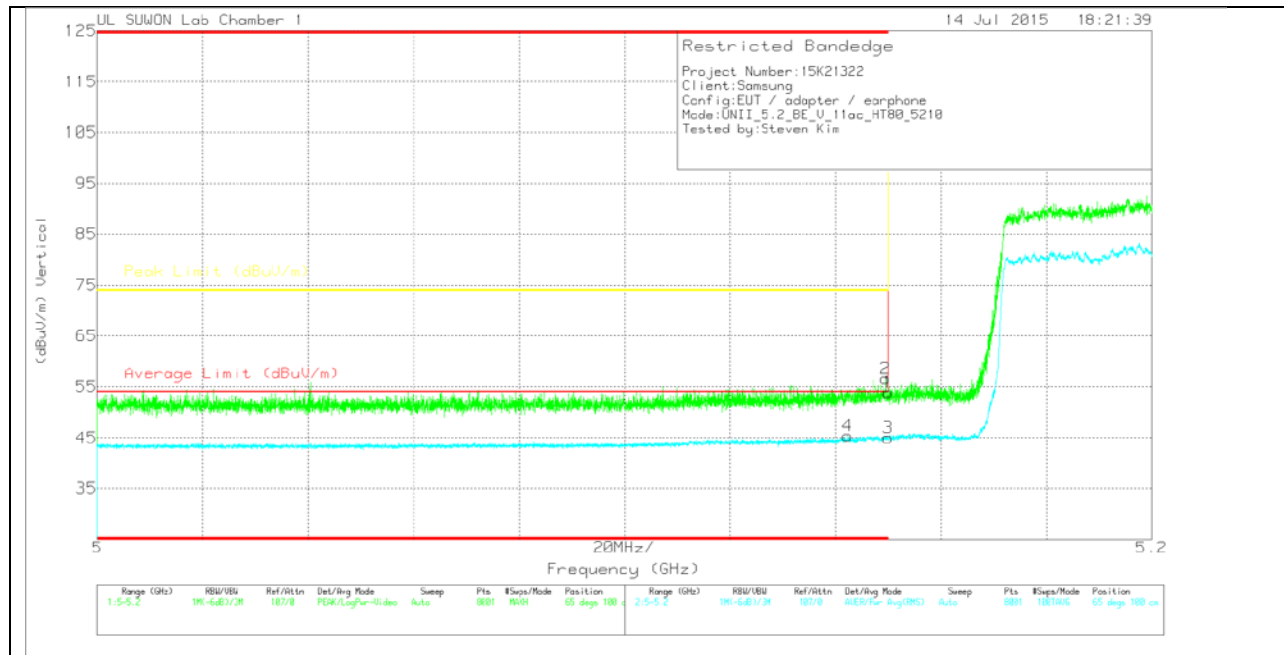
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	41.08	Pk	34.2	-19.4	0	55.88	-	-	74	-18.12	180	100	H
2	* 5.141	43.93	Pk	34.2	-19.4	0	58.73	-	-	74	-15.27	180	100	H
3	* 5.15	29.82	RMS	34.2	-19.4	1.14	45.76	54	-8.24	-	-	180	100	H
4	* 5.148	30.55	RMS	34.2	-19.4	1.14	46.49	54	-7.51	-	-	180	100	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	3117(001687 17)_150619	Path_2_10d B	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	* 5.15	39.11	Pk	34.2	-19.4	0	53.91	-	-	74	-20.09	65	100	V
2	* 5.15	41.81	Pk	34.2	-19.4	0	56.61	-	-	74	-17.39	65	100	V
3	* 5.15	29.03	RMS	34.2	-19.4	1.14	44.97	54	-9.03	-	-	65	100	V
4	* 5.142	29.42	RMS	34.2	-19.4	1.14	45.36	54	-8.64	-	-	65	100	V

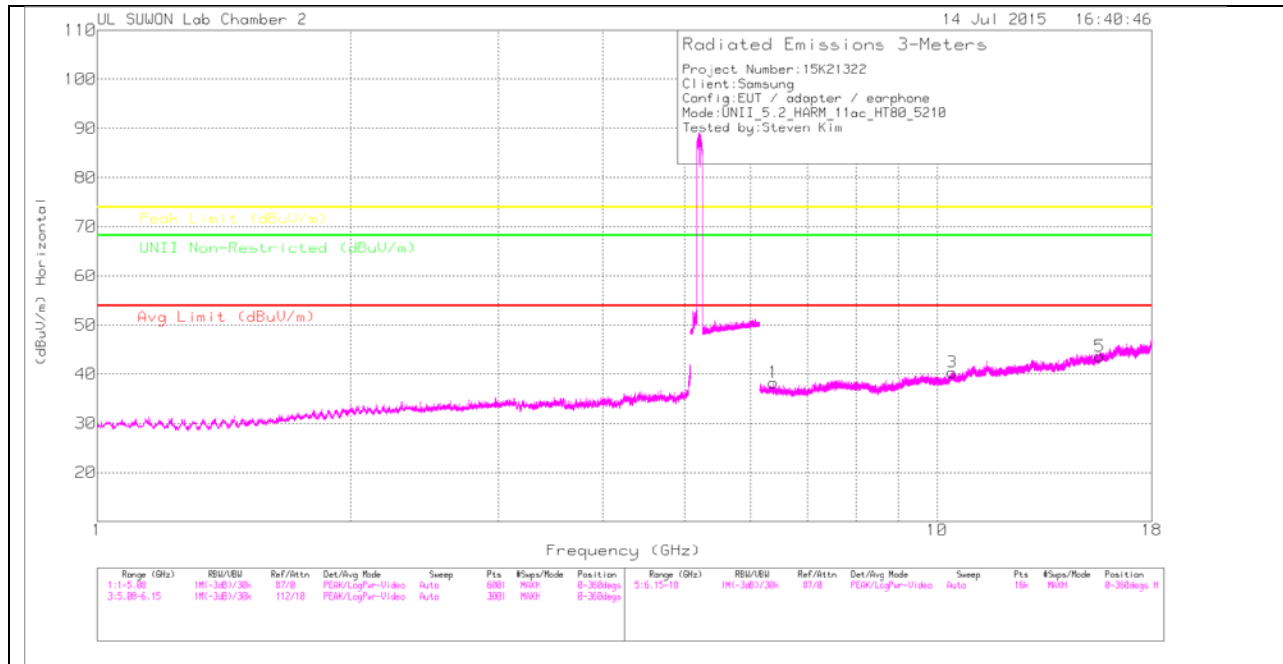
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

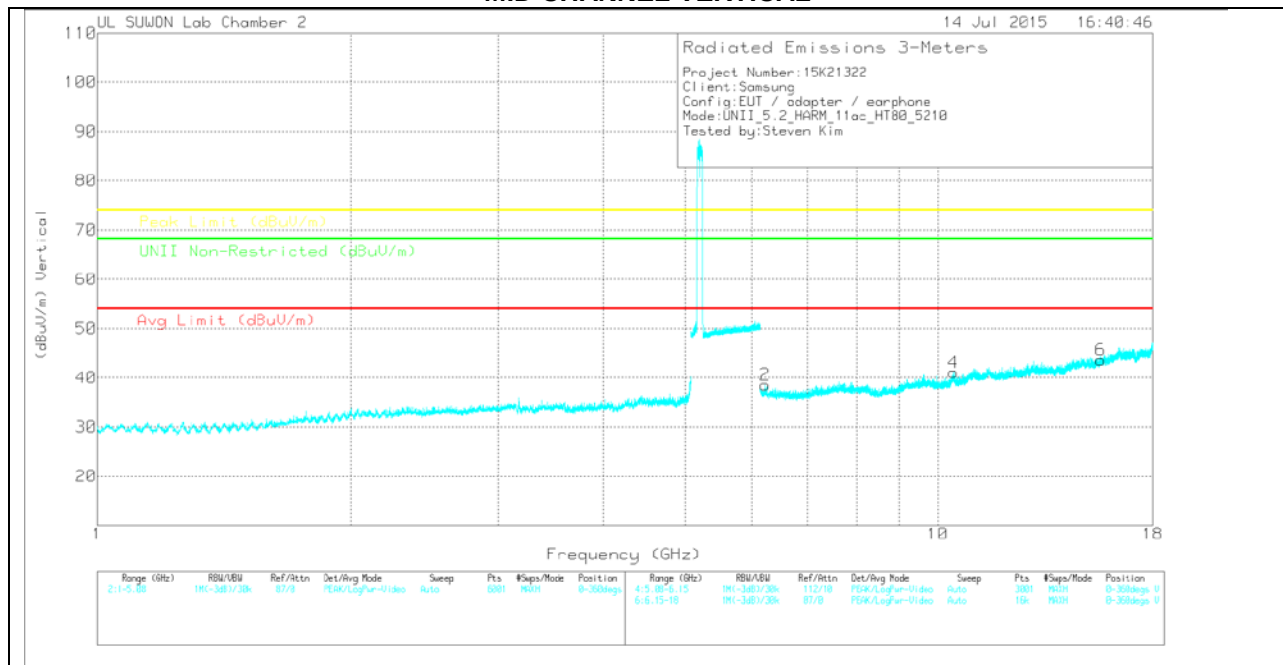
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.39	26.3	PK	35.2	-23.2	0	38.3	-	-	-	-	68.2	-29.9	0-360	200	H
3	10.42	20.57	PK	37.6	-17.8	0	40.37	-	-	-	-	68.2	-27.83	0-360	200	H
5	* 15.629	20	PK	40	-16.4	0	43.6	-	-	74	-30.4	-	-	0-360	100	H
2	6.233	26.77	PK	35	-23.2	0	38.57	-	-	-	-	68.2	-29.63	0-360	100	V
4	10.434	21.28	PK	37.6	-17.8	0	41.08	-	-	-	-	68.2	-27.12	0-360	100	V
6	* 15.629	20.03	PK	40	-16.4	0	43.63	-	-	74	-30.37	-	-	0-360	100	V

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

PK – Peak detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.483	39.2	PK-U	37.7	-17.9	0	59	-	-	-	-	68.2	-9.2	348	103	V
10.483	36.11	PK-U	37.7	-17.9	0	55.91	-	-	-	-	68.2	-12.29	312	389	H

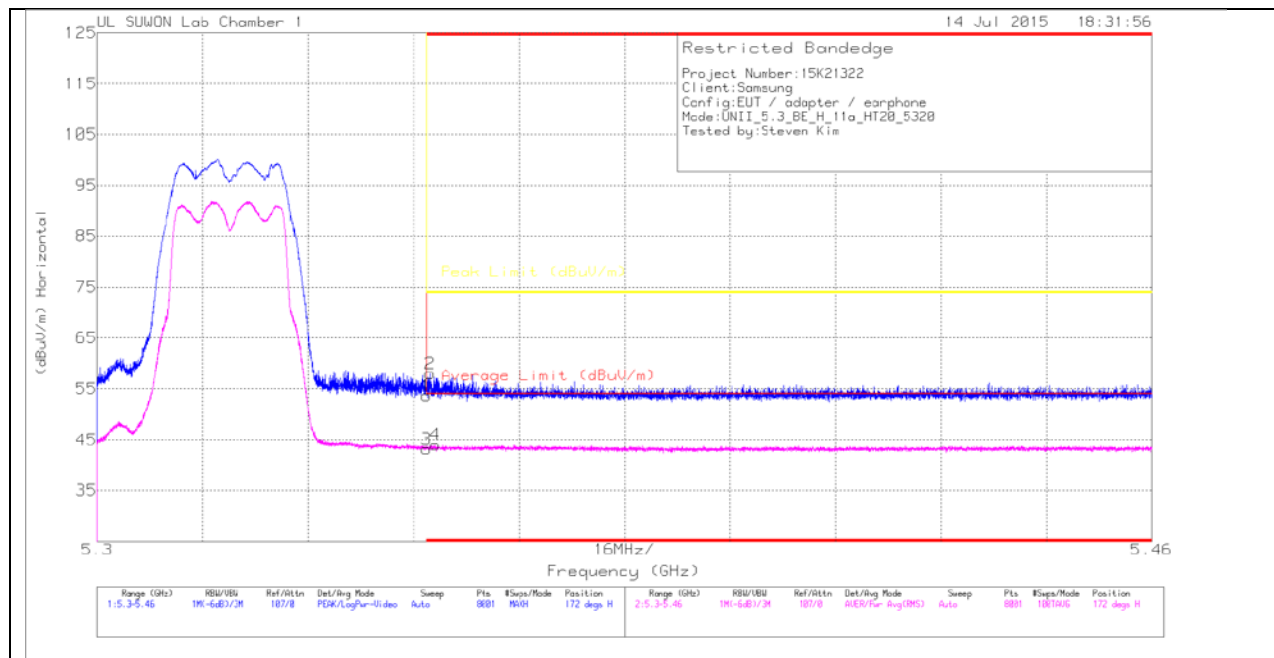
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

10.2. 5.3 GHz

10.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

TRACE MARKERS

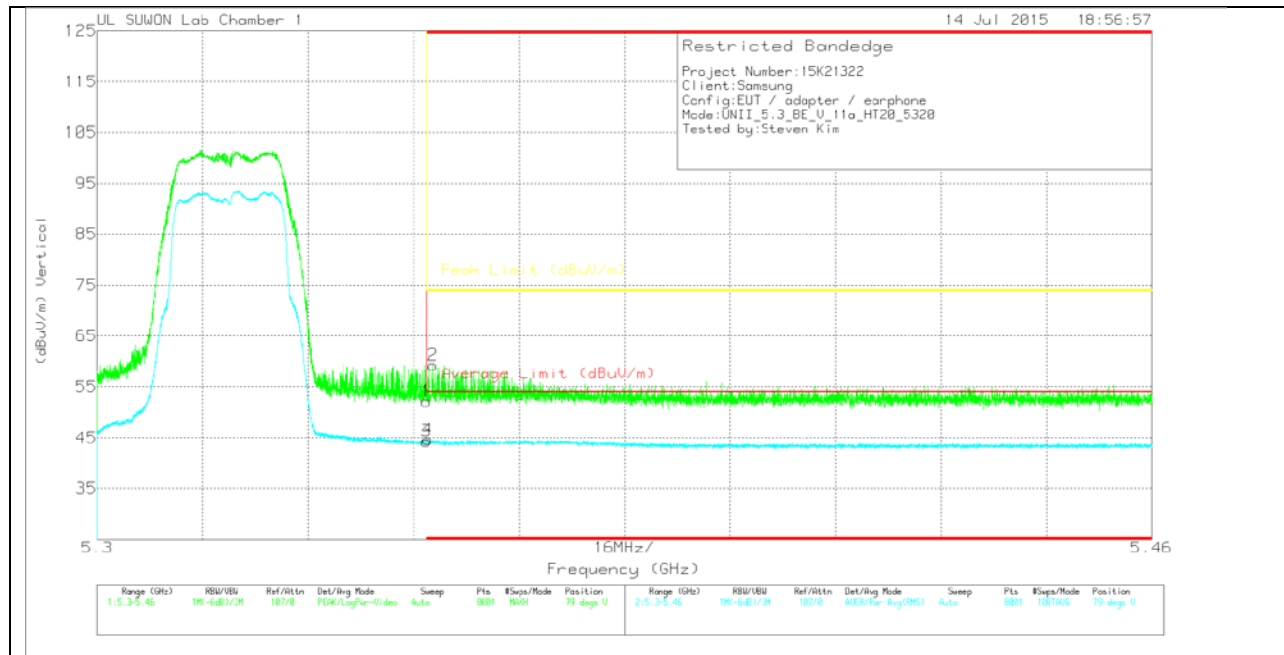
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/00168 717/15061 9	Path_2_10d B	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.74	Pk	34.5	-19.6	0	53.64	-	-	74	-20.36	172	101	H
2	* 5.351	43.05	Pk	34.5	-19.6	0	57.95	-	-	74	-16.05	172	101	H
3	* 5.35	27.92	RMS	34.5	-19.6	.3	43.12	54	-10.88	-	-	172	101	H
4	* 5.351	28.82	RMS	34.5	-19.6	.3	44.02	54	-9.98	-	-	172	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	3117(001687 17)_150619	Path_2_10d B	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	* 5.35	37.31	Pk	34.5	-19.6	0	52.21	-	-	74	-21.79	79	104	V
2	* 5.351	44.39	Pk	34.5	-19.6	0	59.29	-	-	74	-14.71	79	104	V
3	* 5.35	29.13	RMS	34.5	-19.6	.3	44.33	54	-9.67	-	-	79	104	V
4	* 5.35	29.49	RMS	34.5	-19.6	.3	44.69	54	-9.31	-	-	79	104	V

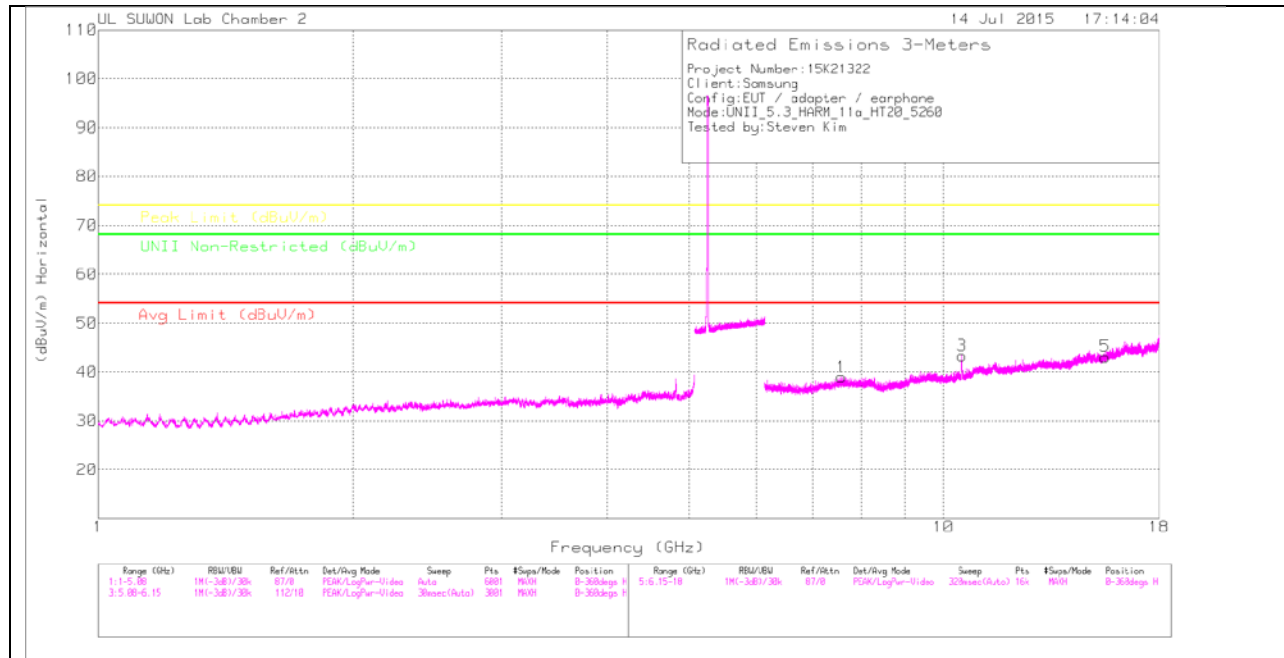
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

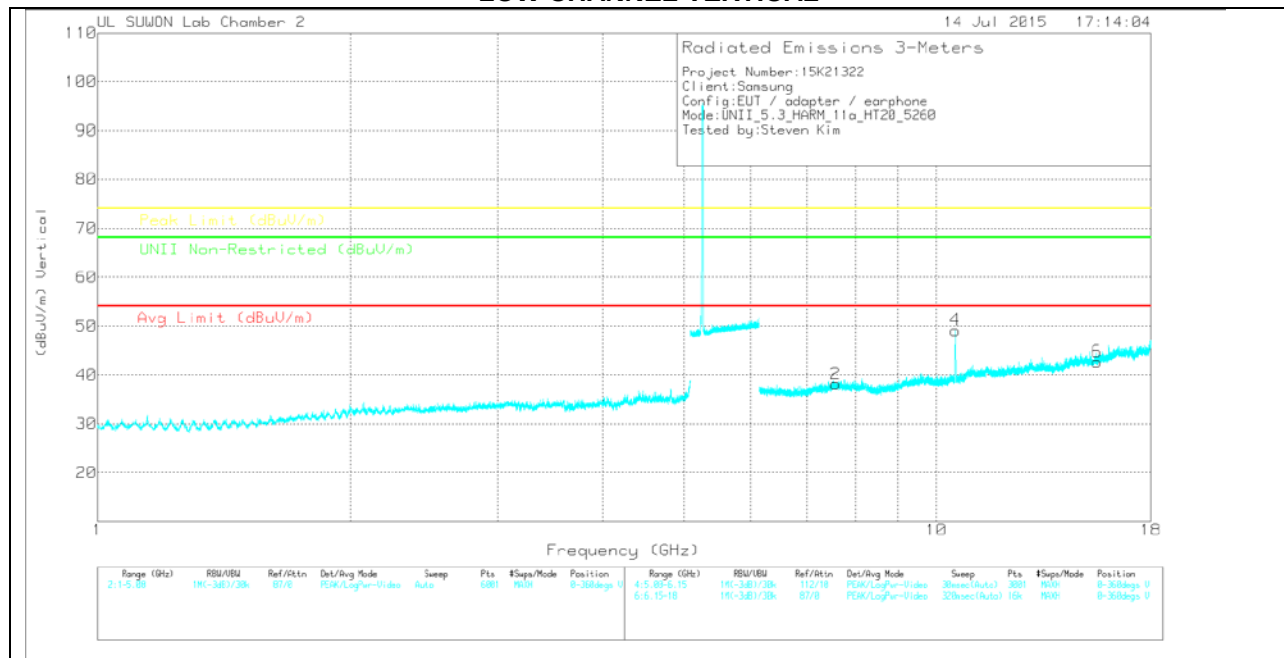
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.572	24.52	PK	36.1	-21.7	0	38.92	-	-	74	-35.08	-	-	0-360	200	H
3	10.521	23.62	PK	37.7	-18	0	43.32	-	-	-	-	68.2	-24.88	0-360	200	H
5	* 15.539	19.33	PK	39.9	-16.1	0	43.13	-	-	74	-30.87	-	-	0-360	200	H
2	* 7.586	23.74	PK	36.1	-21.7	0	38.14	-	-	74	-35.86	-	-	0-360	200	V
4	10.524	29.47	PK	37.7	-18	0	49.17	-	-	-	-	68.2	-19.03	0-360	200	V
6	* 15.539	18.93	PK	39.9	-16.1	0	42.73	-	-	74	-31.27	-	-	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

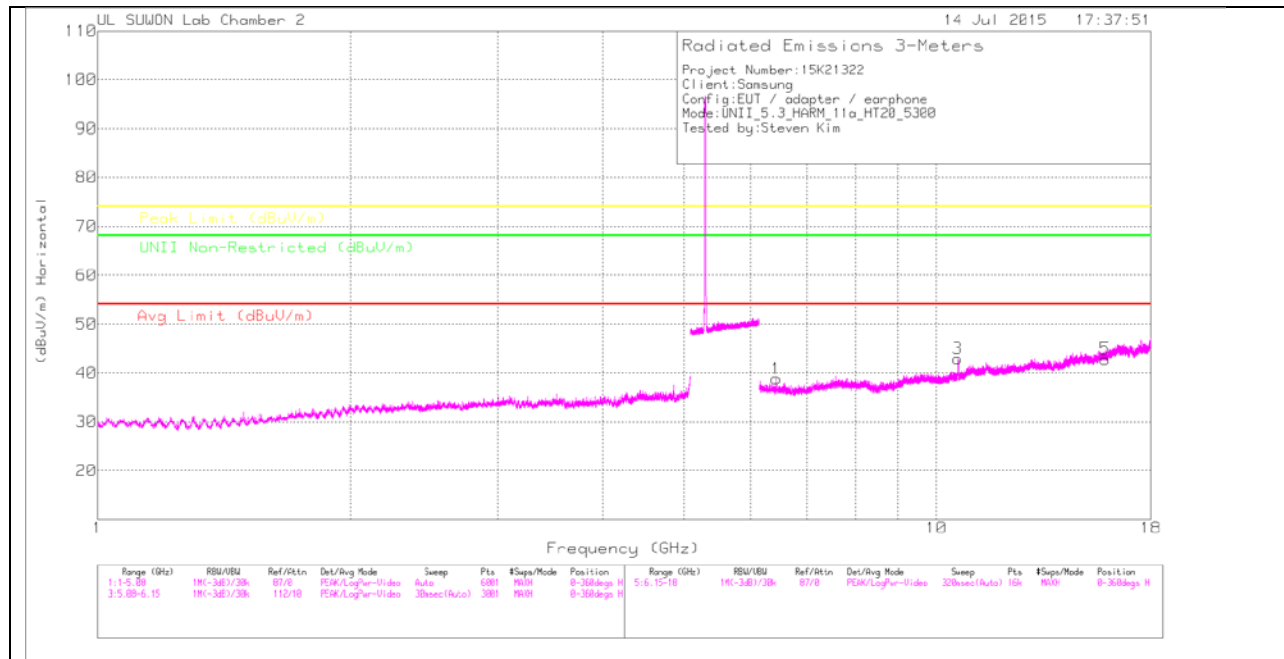
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.523	39.94	PK-U	37.7	-18	0	59.64	-	-	-	-	68.2	-8.56	347	101	V

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

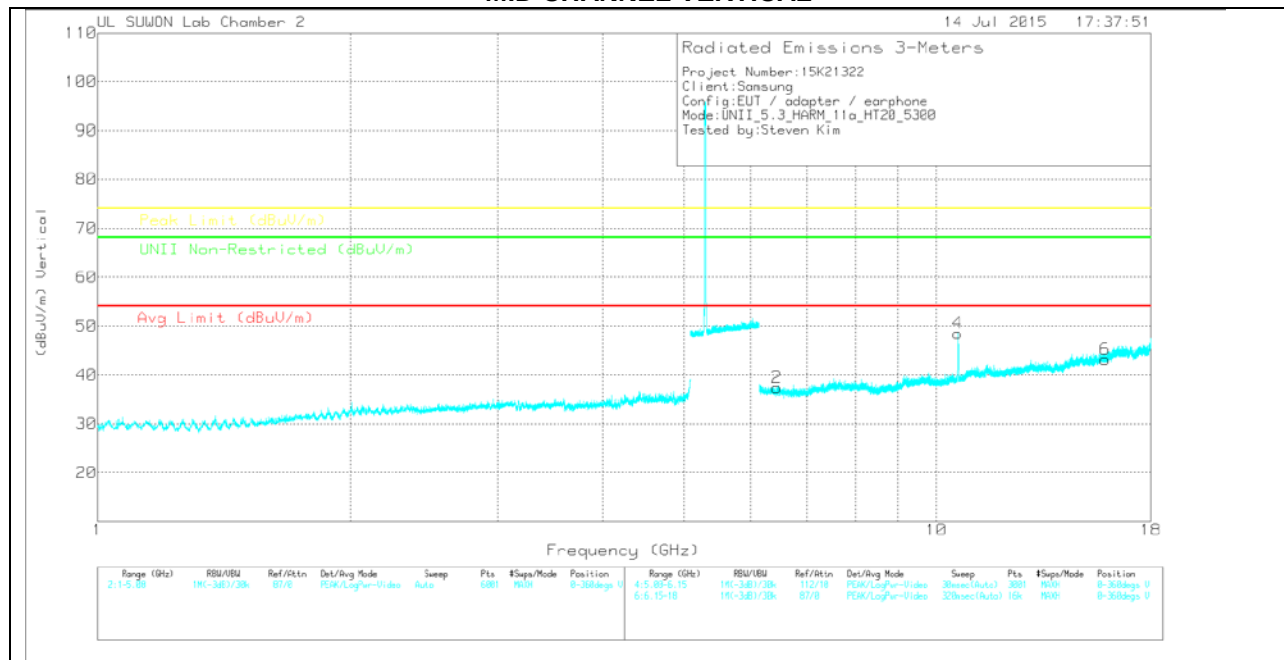
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.443	26.61	PK	35.2	-23	0	38.81	-	-	-	-	68.2	-29.39	0-360	200	H
3	* 10.602	23.09	PK	37.8	-18	0	42.89	-	-	74	-31.11	-	-	0-360	200	H
5	* 15.9	18.76	PK	40.4	-16.3	0	42.86	-	-	74	-31.14	-	-	0-360	100	H
2	6.447	25.25	PK	35.2	-23	0	37.45	-	-	-	-	68.2	-30.75	0-360	200	V
4	* 10.6	28.73	PK	37.8	-18	0	48.53	-	-	74	-25.47	-	-	0-360	200	V
6	* 15.9	19.13	PK	40.4	-16.3	0	43.23	-	-	74	-30.77	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

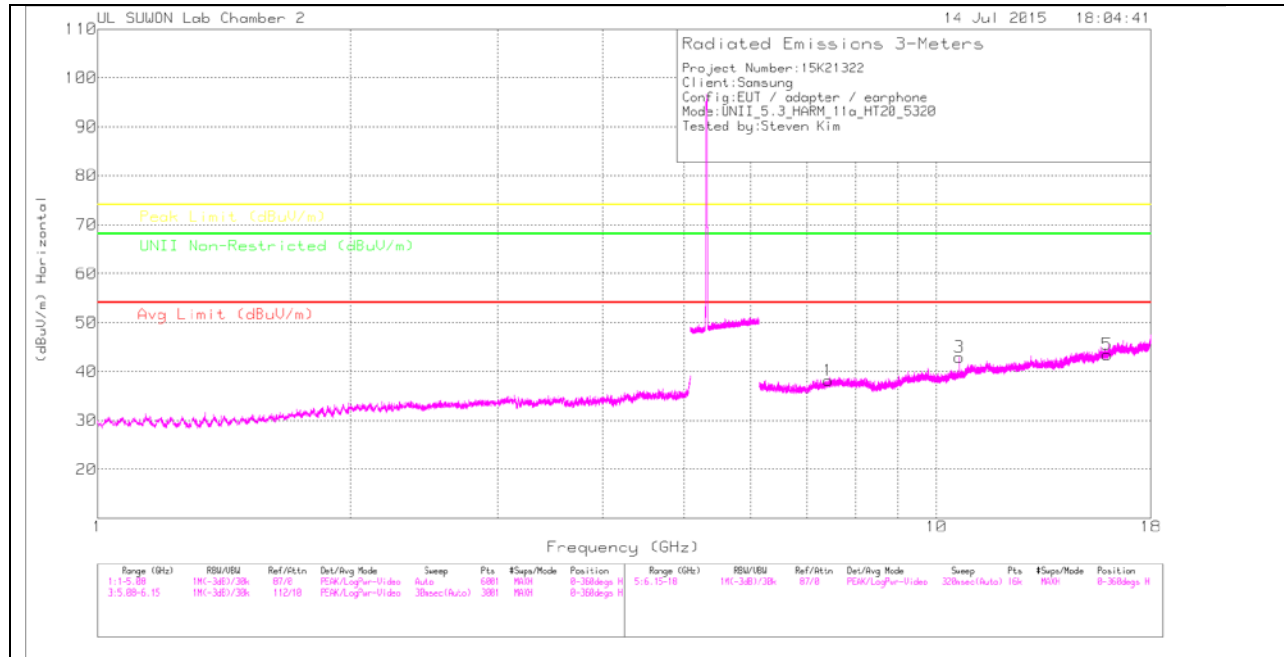
Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.603	40.55	PK-U	37.8	-18	0	60.35	-	-	74	-13.65	-	-	346	100	V
* 10.604	27.77	ADR	37.8	-18	.3	47.87	54	-6.13	-	-	-	-	346	100	V

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

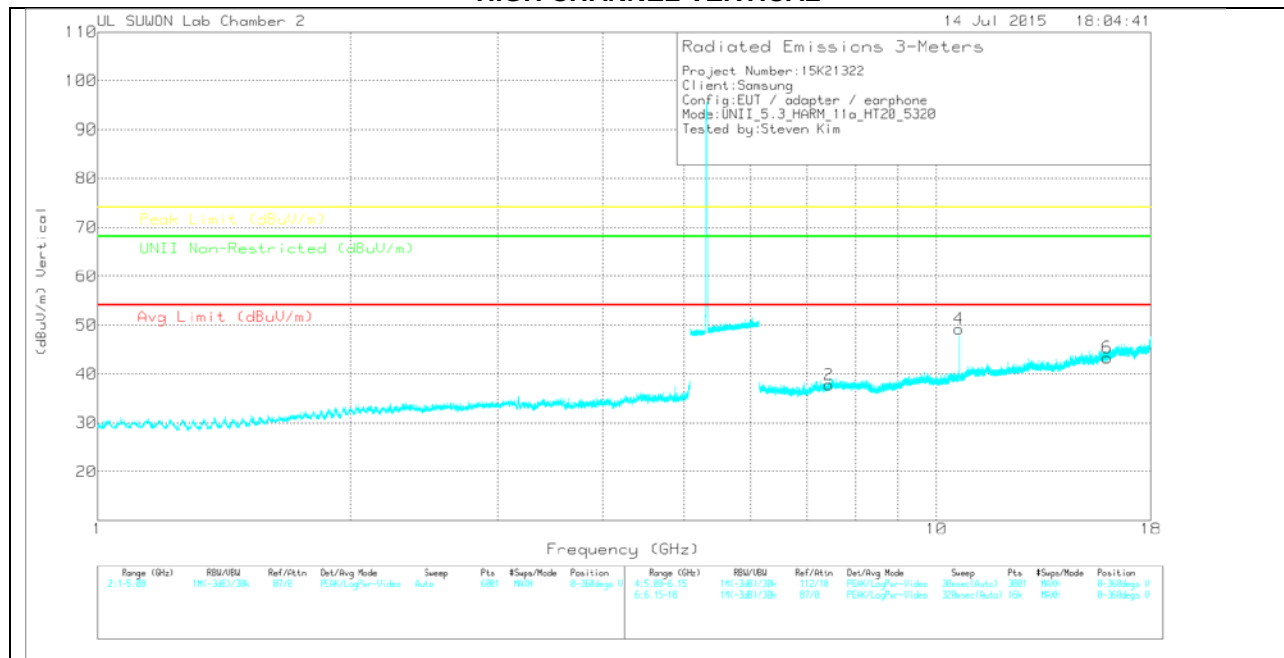
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.428	24.6	PK	36	-22.4	0	38.2	-	-	74	-35.8	-	-	0-360	100	H
3	* 10.642	23.08	PK	37.8	-17.9	0	42.98	-	-	74	-31.02	-	-	0-360	200	H
5	* 15.96	19.16	PK	40.4	-16.1	0	43.46	-	-	74	-30.54	-	-	0-360	200	H
2	* 7.436	24.18	PK	36	-22.4	0	37.78	-	-	74	-36.22	-	-	0-360	100	V
4	* 10.64	29.38	PK	37.8	-17.9	0	49.28	-	-	74	-24.72	-	-	0-360	200	V
6	* 15.96	19.01	PK	40.4	-16.1	0	43.31	-	-	74	-30.69	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 24_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.639	40.85	PK-U	37.8	-17.9	0	60.75	-	-	74	-13.25	-	-	348	100	V
* 10.639	27.27	ADR	37.8	-17.9	.3	47.47	54	-6.53	-	-	-	-	348	100	V

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

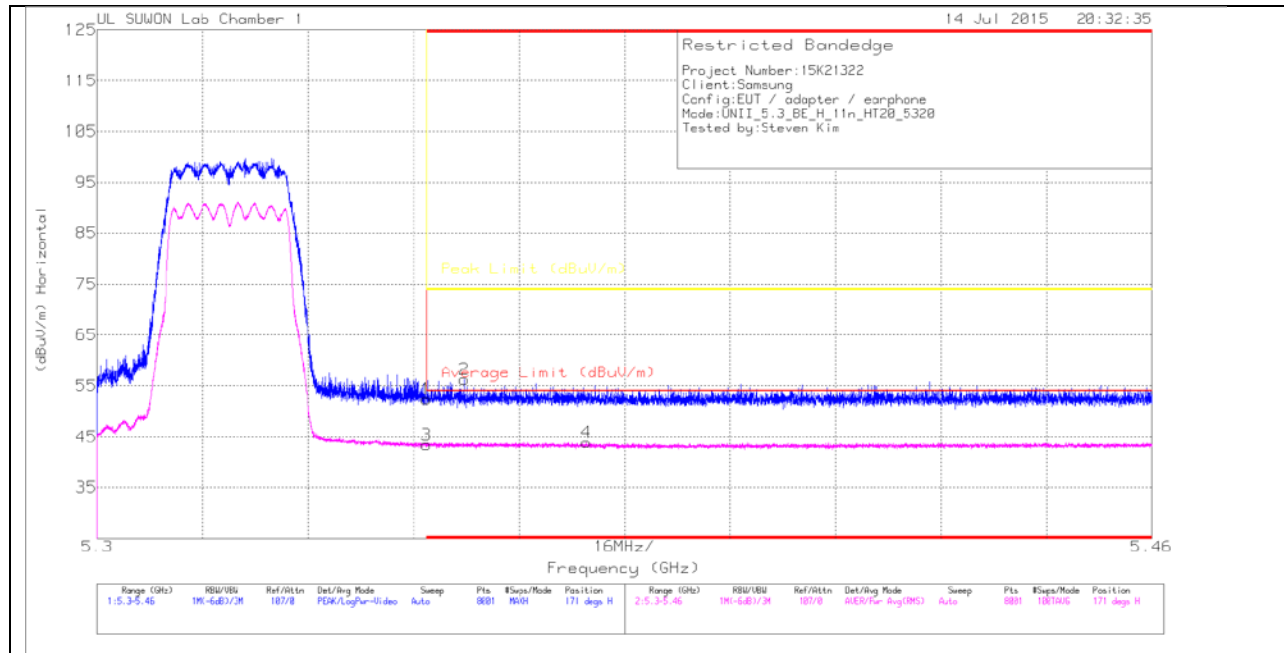
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

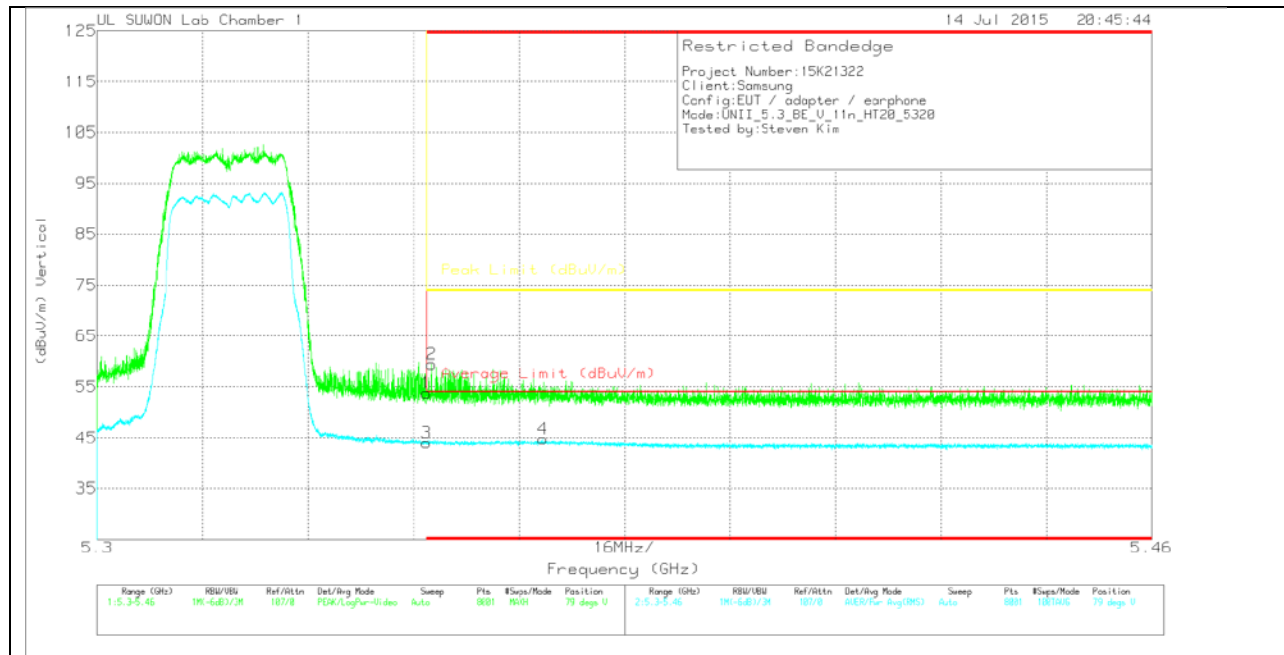
TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(00168 717_15061 9	Path_2_10d B	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	* 5.35	37.58	Pk	34.5	-19.6	0	52.48	-	-	74	-21.52	171	101	H
2	* 5.356	41.33	Pk	34.5	-19.6	0	56.23	-	-	74	-17.77	171	101	H
3	* 5.35	28.23	RMS	34.5	-19.6	.31	43.44	54	-10.56	-	-	171	101	H
4	* 5.374	28.6	RMS	34.5	-19.5	.31	43.91	54	-10.09	-	-	171	101	H

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

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 17_150619	Path_2_10d B	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	* 5.35	38.87	Pk	34.5	-19.6	0	53.77	-	-	74	-20.23	79	105	V
2	* 5.351	44.6	Pk	34.5	-19.6	0	59.5	-	-	74	-14.5	79	105	V
3	* 5.35	28.8	RMS	34.5	-19.6	.31	44.01	54	-9.99	-	-	79	105	V
4	* 5.368	29.56	RMS	34.5	-19.6	.31	44.77	54	-9.23	-	-	79	105	V

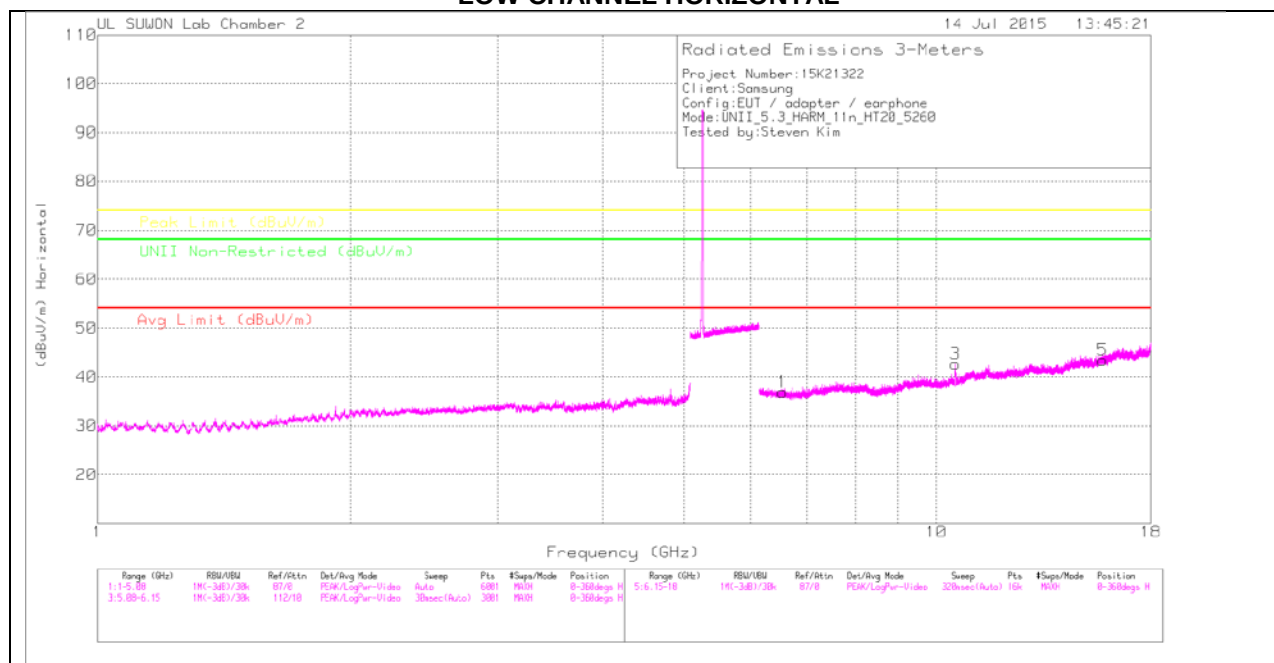
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

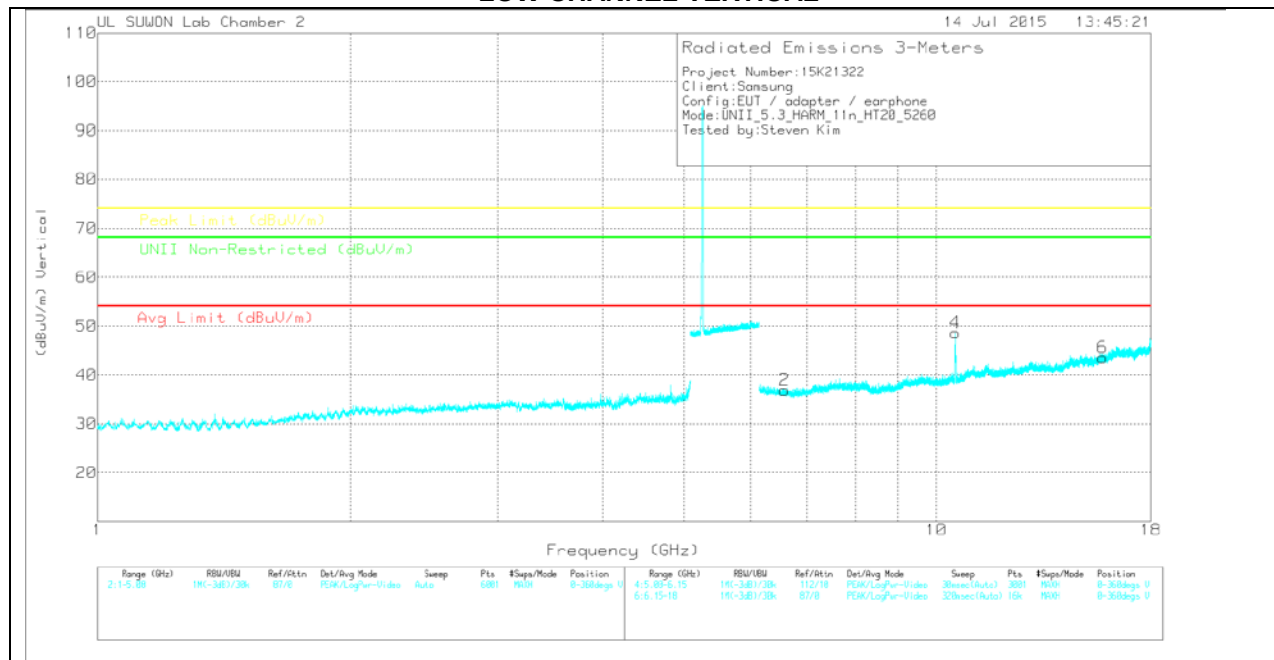
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.553	25.21	PK	35.3	-23.6	0	36.91	-	-	-	-	68.2	-31.29	0-360	200	H
3	10.519	23	PK	37.7	-18	0	42.7	-	-	-	-	68.2	-25.5	0-360	200	H
5	* 15.78	19.81	PK	40.2	-16.6	0	43.41	-	-	74	-30.59	-	-	0-360	200	H
2	6.584	24.86	PK	35.3	-23.3	0	36.86	-	-	-	-	68.2	-31.34	0-360	100	V
4	10.519	28.95	PK	37.7	-18	0	48.65	-	-	-	-	68.2	-19.55	0-360	200	V
6	* 15.78	19.96	PK	40.2	-16.6	0	43.56	-	-	74	-30.44	-	-	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

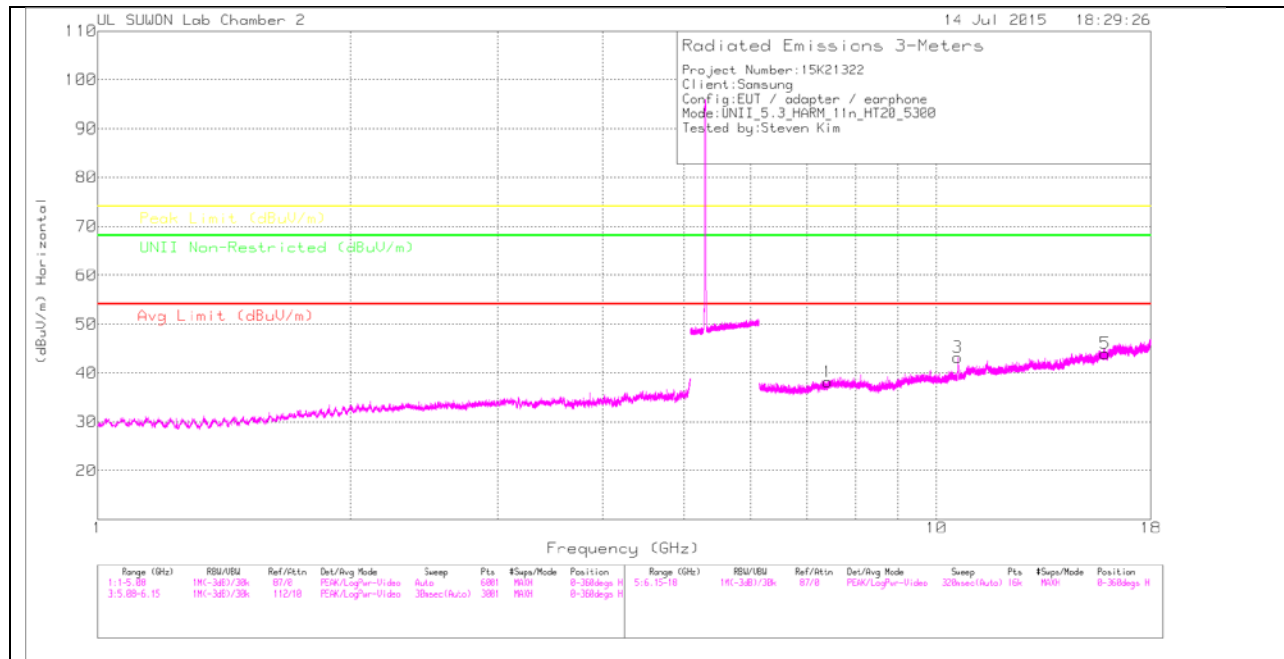
Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016872 4)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.517	37.86	PK-U	37.7	-18	0	57.56	-	-	-	-	68.2	-10.64	344	101	V

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

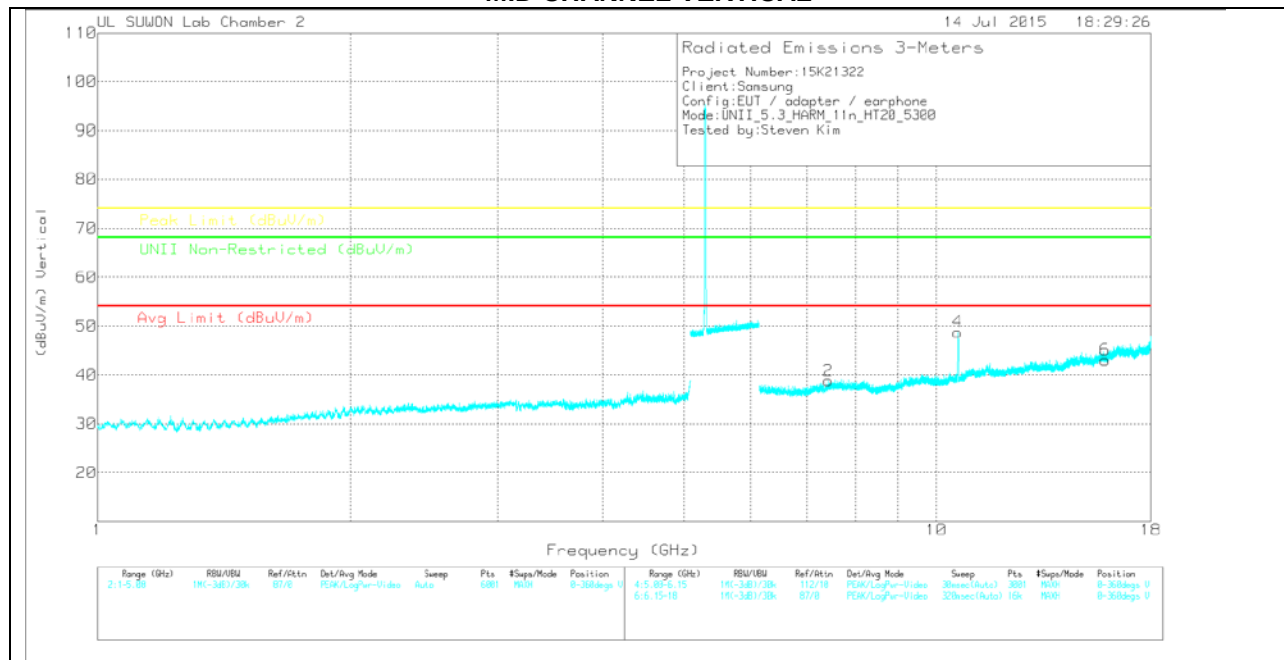
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0015 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.419	24.66	PK	36	-22.5	0	38.16	-	-	74	-35.84	-	-	0-360	100	H
3	* 10.601	23.37	PK	37.8	-18	0	43.17	-	-	74	-30.83	-	-	0-360	200	H
5	* 15.9	19.88	PK	40.4	-16.3	0	43.98	-	-	74	-30.02	-	-	0-360	200	H
2	* 7.424	25.33	PK	36	-22.5	0	38.83	-	-	74	-35.17	-	-	0-360	200	V
4	10.599	28.99	PK	37.8	-18	0	48.79	-	-	-	-	68.2	-19.41	0-360	200	V
6	* 15.9	18.96	PK	40.4	-16.3	0	43.06	-	-	74	-30.94	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

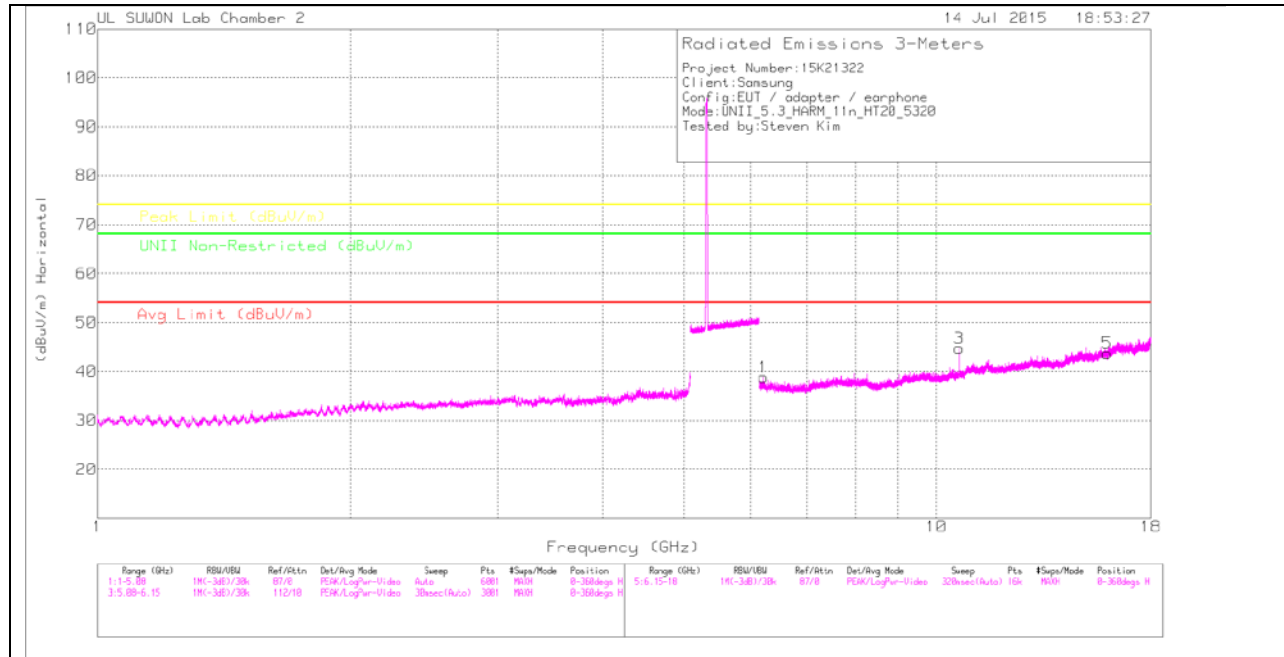
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001587 24)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.602	39.93	PK-U	37.8	-18	0	59.73	-	-	74	-14.27	-	-	347	101	V
* 10.602	25.69	ADR	37.8	-18	.31	45.8	54	-8.2	-	-	-	-	347	101	V

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

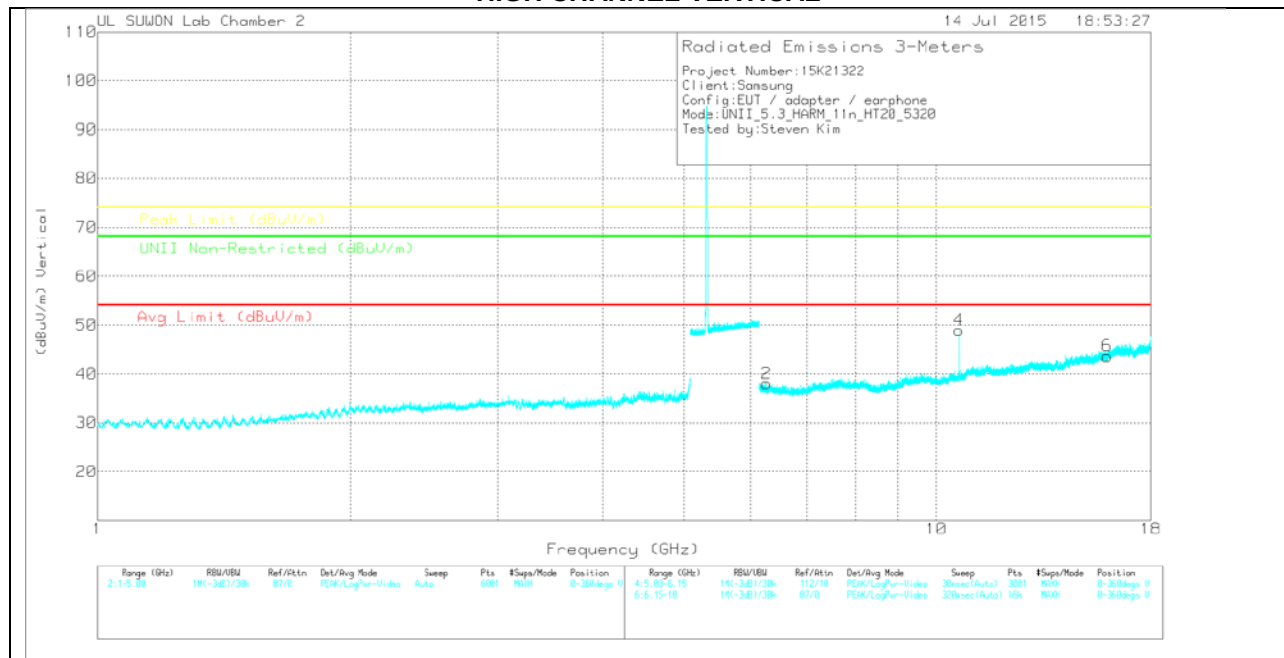
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.221	27.06	PK	35	-23.2	0	38.86	-	-	-	-	68.2	-29.34	0-360	100	H
3	* 10.641	24.8	PK	37.8	-17.9	0	44.7	-	-	74	-29.3	-	-	0-360	200	H
5	* 15.96	19.4	PK	40.4	-16.1	0	43.7	-	-	74	-30.3	-	-	0-360	200	H
2	6.277	26.36	PK	35.1	-23.4	0	38.06	-	-	-	-	68.2	-30.14	0-360	200	V
4	* 10.635	29.09	PK	37.8	-17.9	0	48.99	-	-	74	-25.01	-	-	0-360	200	V
6	* 15.962	19.35	PK	40.4	-16.1	0	43.65	-	-	74	-30.35	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.635	33.02	PK-U	37.8	-17.9	0	52.92	-	-	74	-21.08	-	-	347	287	H
* 10.638	20.56	ADR	37.8	-17.9	.31	40.77	54	-13.23	-	-	-	-	347	287	H

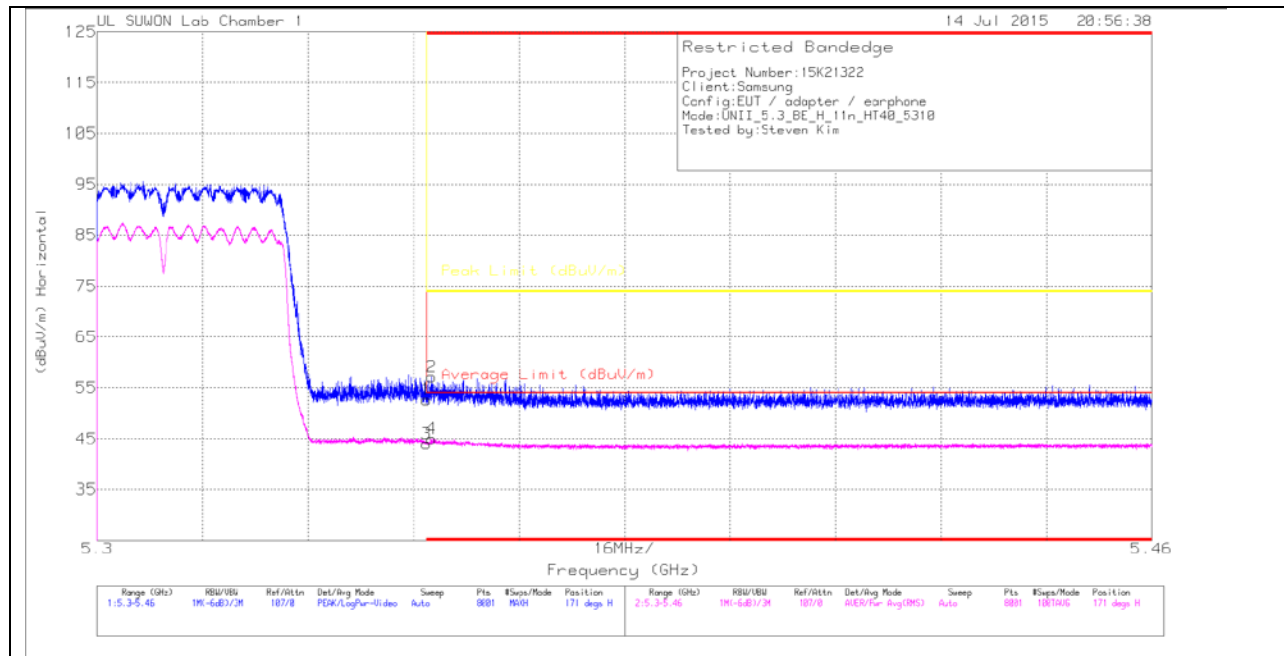
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.2.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

TRACE MARKERS

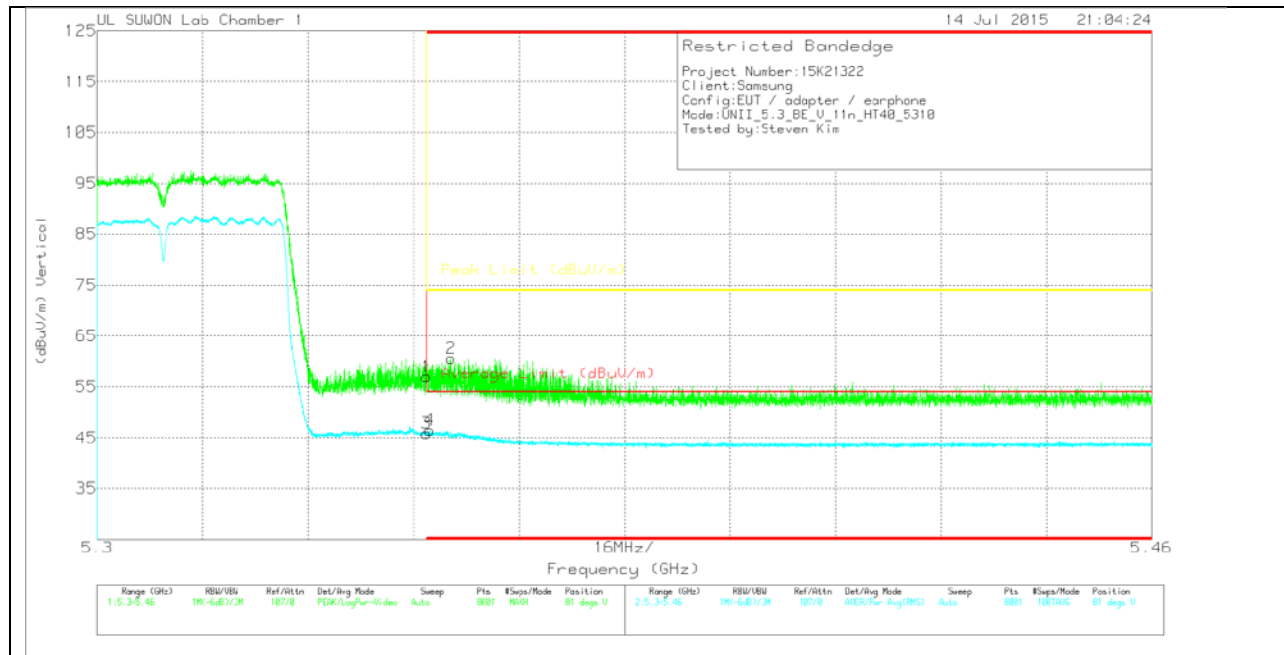
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 17)_150619	Path_2_10dB	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.84	Pk	34.5	-19.6	0	52.74	-	-	74	-21.26	171	101	H
2	* 5.351	42.2	Pk	34.5	-19.6	0	57.1	-	-	74	-16.9	171	101	H
3	* 5.35	28.56	RMS	34.5	-19.6	.61	44.07	54	-9.93	-	-	171	101	H
4	* 5.351	29.49	RMS	34.5	-19.6	.61	45	54	-9	-	-	171	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	3117/001687 17_150619	Path_2_10d B	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	* 5.35	42.15	Pk	34.5	-19.6	0	57.05	-	-	74	-16.95	81	103	V
2	* 5.354	45.68	Pk	34.5	-19.6	0	60.58	-	-	74	-13.42	81	103	V
3	* 5.35	30.39	RMS	34.5	-19.6	.61	45.9	54	-8.1	-	-	81	103	V
4	* 5.35	30.93	RMS	34.5	-19.6	.61	46.44	54	-7.56	-	-	81	103	V

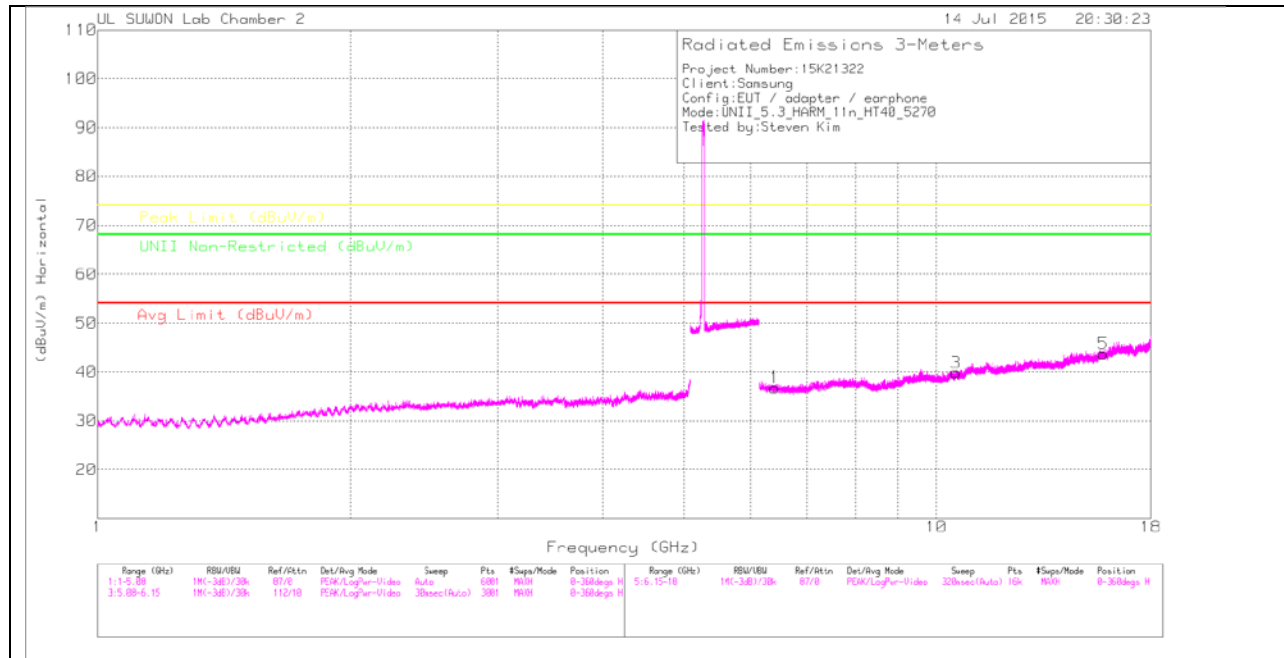
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

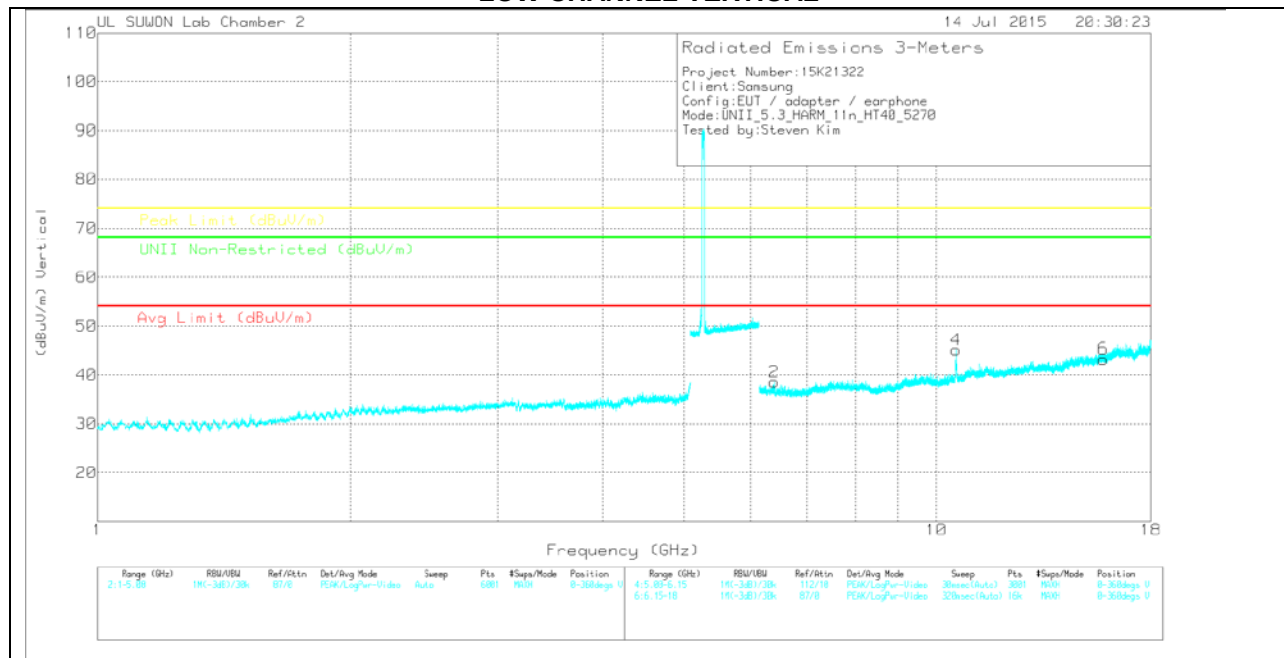
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117(0016 8724)_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.414	24.61	PK	35.2	-23	0	36.81	-	-	-	-	68.2	-31.39	0-360	200	H
3	10.54	20.12	PK	37.7	-18	0	39.82	-	-	-	-	68.2	-28.38	0-360	200	H
5	* 15.81	19.87	PK	40.3	-16.5	0	43.67	-	-	74	-30.33	-	-	0-360	100	H
2	6.403	26.39	PK	35.2	-23	0	38.59	-	-	-	-	68.2	-29.61	0-360	100	V
4	10.533	25.41	PK	37.7	-18	0	45.11	-	-	-	-	68.2	-23.09	0-360	200	V
6	* 15.81	19.45	PK	40.3	-16.5	0	43.25	-	-	74	-30.75	-	-	0-360	100	V

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

PK – Peak Detector

Radiated Emissions

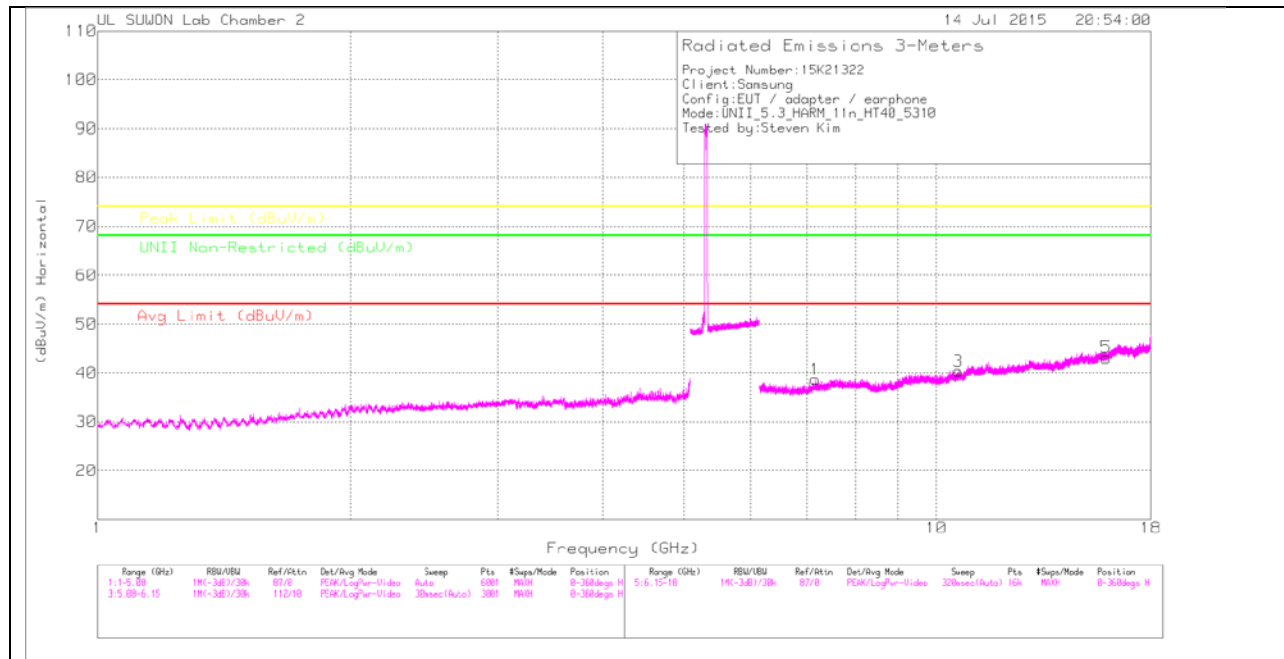
Frequency (GHz)	Meter Reading (dBuV)	Det	3117(001687 24)_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.548	36.01	PK-U	37.7	-18	0	55.71	-	-	-	-	68.2	-12.49	346	102	V

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

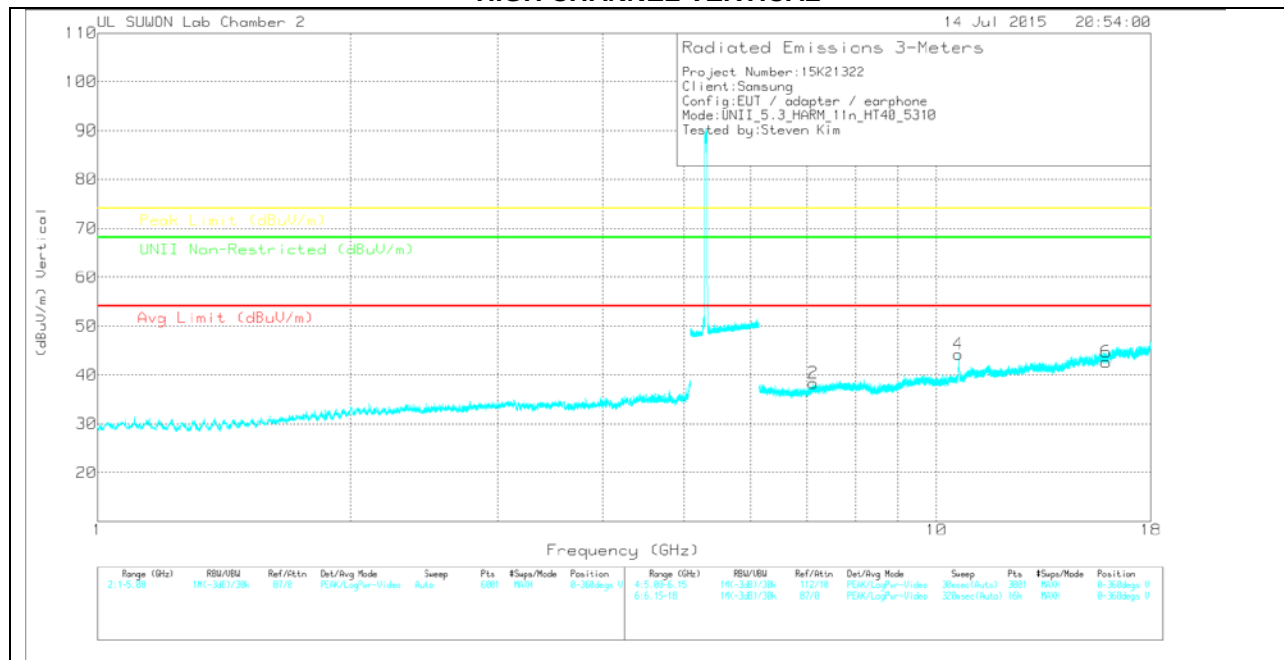
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117/0016 8724_150 619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.166	25.75	PK	35.7	-22.8	0	38.65	-	-	-	-	68.2	-29.55	0-360	200	H
3	* 10.616	20.6	PK	37.8	-18	0	40.4	-	-	74	-33.6	-	-	0-360	200	H
5	* 15.93	18.94	PK	40.4	-16.2	0	43.14	-	-	74	-30.86	-	-	0-360	100	H
2	7.126	25.37	PK	35.7	-22.7	0	38.37	-	-	-	-	68.2	-29.83	0-360	200	V
4	* 10.619	24.47	PK	37.8	-18	0	44.27	-	-	74	-29.73	-	-	0-360	100	V
6	* 15.93	18.52	PK	40.4	-16.2	0	42.72	-	-	74	-31.28	-	-	0-360	200	V

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

PK – Peak Detector

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117/001687 24_150619	Path_5	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 10.628	36.35	PK-U	37.8	-18	0	56.15	-	-	74	-17.85	-	-	346	100	V
* 10.619	23.1	ADR	37.8	-18	.61	43.51	54	-10.49	-	-	-	-	346	100	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average