



FCC 47 CFR PART 15 SUBPART E

UNII (802.11ax)

CERTIFICATION TEST REPORT

FOR

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

MODEL NUMBER : SM-N970F/DS, SM-N970F, SM-N970X

FCC ID: A3LSMN970F

REPORT NUMBER: 4789014604-E9V2

ISSUE DATE: JUL 01, 2019

Prepared for
SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Prepared by
UL Korea, Ltd.
26th floor, 152, Teheran-ro, Gangnam-gu Seoul, 06236, Korea

Suwon Test Site: UL Korea, Ltd. Suwon Laboratory
218 Maeyeong-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16675, Korea
TEL: (031) 337-9902
FAX: (031) 213-5433



ACCREDITED*

Testing
Laboratory

TL-637

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	06/27/19	Initial issue	Hyunsik Yun
V2	07/01/19	Updated to address TCB's question	Hyunsik Yun

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	6
2. TEST METHODOLOGY	7
3. FACILITIES AND ACCREDITATION	7
4. CALIBRATION AND UNCERTAINTY	7
4.1. MEASURING INSTRUMENT CALIBRATION	7
4.2. SAMPLE CALCULATION	7
4.3. MEASUREMENT UNCERTAINTY	8
5. EQUIPMENT UNDER TEST	9
5.1. DESCRIPTION OF EUT	9
5.2. MAXIMUM OUTPUT POWER.....	15
5.3. DESCRIPTION OF AVAILABLE ANTENNAS	16
5.4. List of test reduction and modes covering other modes:	16
5.5. WORST-CASE CONFIGURATION AND MODE	17
5.6. DESCRIPTION OF TEST SETUP.....	18
6. TEST AND MEASUREMENT EQUIPMENT	20
7. SUMMARY TABLE	21
8. MEASUREMENT METHODS	22
9. REFERENCE MEASUREMENTS RESULTS	23
9.1. ON TIME AND DUTY CYCLE RESULTS.....	23
9.2. 26 dB BANDWIDTH.....	24
9.2.1. 802.11ax HE20 MODE IN THE 5.2 GHz BAND	25
9.2.2. 802.11ax HE40 MODE IN THE 5.2 GHz BAND	26
9.2.3. 802.11ax HE80 MODE IN THE 5.2 GHz BAND	27
9.2.4. 802.11ax HE20 MODE IN THE 5.3 GHz BAND	28
9.2.5. 802.11ax HE40 MODE IN THE 5.3 GHz BAND	29
9.2.6. 802.11ax HE80 MODE IN THE 5.3 GHz BAND	30
9.2.7. 802.11ax HE20 MODE IN THE 5.5 GHz BAND	31
9.2.8. 802.11ax HE40 MODE IN THE 5.5 GHz BAND	32
9.2.9. 802.11ax HE80 MODE IN THE 5.5 GHz BAND	34
10. ANTENNA PORT TEST RESULTS	36
10.1. 6 dB BANDWIDTH	36
10.1.1. 802.11ax HE20 MODE IN THE 5.8 GHz BAND	37
10.1.2. 802.11ax HE40 MODE IN THE 5.8 GHz BAND	37
10.1.3. 802.11ax HE80 MODE IN THE 5.8 GHz BAND	37

10.2.	OUTPUT POWER AND PPSD	38
10.2.1.	802.11ax HE20 1Tx (SISO) MODE IN THE 5.2 GHz BAND	39
10.2.2.	802.11ax HE40 1Tx (SISO) MODE IN THE 5.2 GHz BAND	41
10.2.3.	802.11ax HE80 1Tx (SISO) MODE IN THE 5.2 GHz BAND	43
10.2.4.	802.11ax HE20 1Tx (SISO) MODE IN THE 5.3 GHz BAND	45
10.2.5.	802.11ax HE40 1Tx (SISO) MODE IN THE 5.3 GHz BAND	47
10.2.6.	802.11ax HE80 1Tx (SISO) MODE IN THE 5.3 GHz BAND	49
10.2.7.	802.11ax HE20 1Tx (SISO) MODE IN THE 5.5 GHz BAND	51
10.2.8.	802.11ax HE40 1Tx (SISO) MODE IN THE 5.5 GHz BAND	53
10.2.9.	802.11ax HE80 1Tx (SISO) MODE IN THE 5.5 GHz BAND	56
10.2.10.	802.11ax HE20 1Tx (SISO) MODE IN THE 5.8 GHz BAND	58
10.2.11.	802.11ax HE40 1Tx (SISO) MODE IN THE 5.8 GHz BAND	60
10.2.12.	802.11ax HE80 1Tx (SISO) MODE IN THE 5.8 GHz BAND	62
10.2.13.	802.11ax HE20 1Tx (SISO) MODE IN THE STRADDLE CHANNEL	64
10.2.14.	802.11ax HE40 1Tx (SISO) MODE IN THE STRADDLE CHANNEL	65
10.2.15.	802.11ax HE80 1Tx (SISO) MODE IN THE STRADDLE CHANNEL	66
10.2.16.	802.11ax HE20 2Tx (MIMO) CDD MODE IN THE 5.2 GHz BAND	67
10.2.17.	802.11ax HE40 2Tx (MIMO) CDD MODE IN THE 5.2 GHz BAND	69
10.2.18.	802.11ax HE80 2Tx (MIMO) CDD MODE IN THE 5.2 GHz BAND	71
10.2.19.	802.11ax HE20 2Tx (MIMO) CDD MODE IN THE 5.3 GHz BAND	73
10.2.20.	802.11ax HE40 2Tx (MIMO) CDD MODE IN THE 5.3 GHz BAND	75
10.2.21.	802.11ax HE80 2Tx (MIMO) CDD MODE IN THE 5.3 GHz BAND	77
10.2.22.	802.11ax HE20 2Tx (MIMO) CDD MODE IN THE 5.5 GHz BAND	79
10.2.23.	802.11ax HE40 2Tx (MIMO) CDD MODE IN THE 5.5 GHz BAND	82
10.2.24.	802.11ax HE80 2Tx (MIMO) CDD MODE IN THE 5.5 GHz BAND	85
10.2.25.	802.11ax HE20 2Tx (MIMO) CDD MODE IN THE 5.8 GHz BAND	88
10.2.26.	802.11ax HE40 2Tx (MIMO) CDD MODE IN THE 5.8 GHz BAND	90
10.2.27.	802.11ax HE80 2Tx (MIMO) CDD MODE IN THE 5.8 GHz BAND	92
10.2.28.	802.11ax HE20 2Tx (MIMO) CDD MODE IN THE STRADDLE CHANNEL	94
10.2.29.	802.11ax HE40 2Tx (MIMO) CDD MODE IN THE STRADDLE CHANNEL	95
10.2.30.	802.11ax HE80 2Tx (MIMO) CDD MODE IN THE STRADDLE CHANNEL	96
11.	TRANSMITTER ABOVE 1 GHz	97
11.1.	5.2 GHz_1Tx (SISO)	100
11.1.1.	TX Above 1GHz 802.11ax MODE IN THE 5.2GHz BAND	100
11.2.	5.3 GHz_1Tx (SISO)	180
11.2.1.	TX ABOVE 1GHz 802.11ax MODE IN THE 5.3GHz BAND	180
11.3.	5.5-5.6 GHz_1Tx (SISO)	260
11.3.1.	TX ABOVE 1GHz 802.11ax MODE IN THE 5.5GHz BAND	260
11.4.	5.8 GHz_1Tx (SISO)	388
11.4.1.	TX ABOVE 1GHz 802.11ax MODE IN THE 5.8GHz BAND	388
11.5.	5.2 GHz_2Tx (MIMO)	500
11.5.1.	TX Above 1GHz 802.11ax MODE IN THE 5.2GHz BAND	500
11.6.	5.3 GHz_2Tx (MIMO)	540
11.6.1.	TX ABOVE 1GHz 802.11ax MODE IN THE 5.3GHz BAND	540
11.7.	5.5-5.6 GHz_2Tx (MIMO)	580
11.7.1.	TX ABOVE 1GHz 802.11ax MODE IN THE 5.5GHz BAND	580

11.8.	5.8 GHz_2Tx (MIMO)	644
11.8.1.	TX ABOVE 1GHz 802.11ax MODE IN THE 5.8GHz BAND	644
11.9.	Spurious Emissions for Simultaneous Transmission	700
11.9.1.	Worst test case condition	701
11.9.2.	Test Results.....	703
12.	WORST-CASE BELOW 1 GHz	713
13.	AC POWER LINE CONDUCTED EMISSIONS	714
Appendixes		715
	4789014604-E9V2 FCC Test setup photo UNII 802.11ax WLAN_App A.....	715
	4789014604-E9V2 FCC DUTY test plots UNII 802.11ax WLAN_App B	715
	4789014604-E9V2 FCC 26 dB_6dB BW test plots UNII 802.11ax WLAN_App C.....	715
	4789014604-E9V2 FCC POWER_PPSD test plots UNII 802.11ax WLAN_App D.....	715

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

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

MODEL NUMBER: SM-N970F/DS, SM-N970F, SM-N970X

SERIAL NUMBER: R38M6037DNE, R38M60378FH (CONDUCTED)
R38M603796L, R38M6037CGW, R38M6037F5L (RADIATED);

DATE TESTED: MAY 30, 2019 – JUN 27, 2019;

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	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
UL Korea, Ltd. By:



SungGil Park
Suwon Lab Engineer
UL Korea, Ltd.

Tested By:



HyunSik Yun
Suwon Lab Engineer
UL Korea, Ltd.

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 789033 D02 General UNII Test Procedures New Rules v02r01
4. KDB 662911 D01 v02r01
5. 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
☒ Chamber 1
☒ Chamber 2
☒ Chamber 3

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, 30 MHz to 1 GHz	3.86 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.97 dB
Radiated Disturbance, 18 GHz to 40 GHz	5.57 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 Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, ANT+, NFC and WPT. This test report addresses the 802.11ax WLAN (UNII) operational mode.

This report covers the Samsung models SM-N970F/DS, SM-N970F and SM-N970X. These models are identical in hardware except SM-N970F has single SIM tray and model SM-N970X has been disabled all cellular bands by software. With some pre-scan, model SM-N970F/DS was set for final test.

WiFi operating mode

Frequency Range	Mode	Antenna1	Antenna2
2.4GHz	802.11 b	TX/RX	TX/RX
	802.11 g	TX/RX	TX/RX
	802.11 g MIMO	TX/RX	TX/RX
	802.11 n	TX/RX	TX/RX
	802.11 n MIMO	TX/RX	TX/RX
	802.11 ax	TX/RX	TX/RX
	802.11 ax MIMO	TX/RX	TX/RX
5GHz	802.11 a	TX/RX	TX/RX
	802.11 a MIMO	TX/RX	TX/RX
	802.11 n	TX/RX	TX/RX
	802.11 n MIMO	TX/RX	TX/RX
	802.11 ac	TX/RX	TX/RX
	802.11 ac MIMO	TX/RX	TX/RX
	802.11 ax	TX/RX	TX/RX
	802.11 ax MIMO	TX/RX	TX/RX

Simultaneous TX Condition

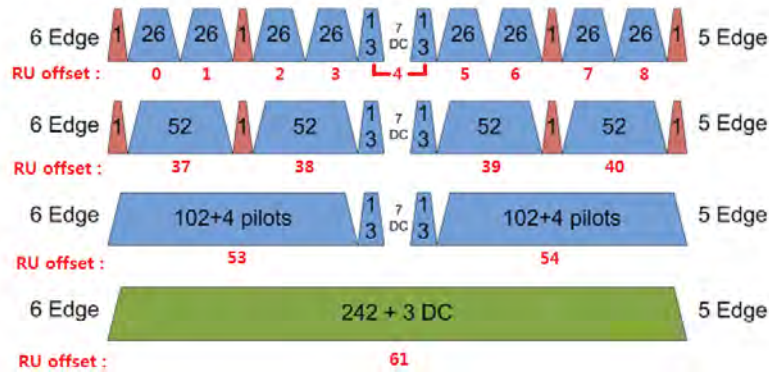
Simultaneous Tx condition - **RSDB**

Mode	# of TX	5GHz		2.4GHz		Test Case
		Ant1	Ant2	Ant1	Ant2	
2.4GHz + 5GHz RSDB Only	2	A	-	-	B	V
	2	-	A	B	-	V
	2	A	-	B	-	-
	2	-	A	-	B	-
2.4GHz + 5GHz RSDB & MIMO	3	A	A	B	-	-
	3	A	A	-	B	-
	3	A	-	B	B	-
	3	-	A	B	B	-
2.4GHz + 5GHz RSDB MIMO	4	A	A	B	B	V

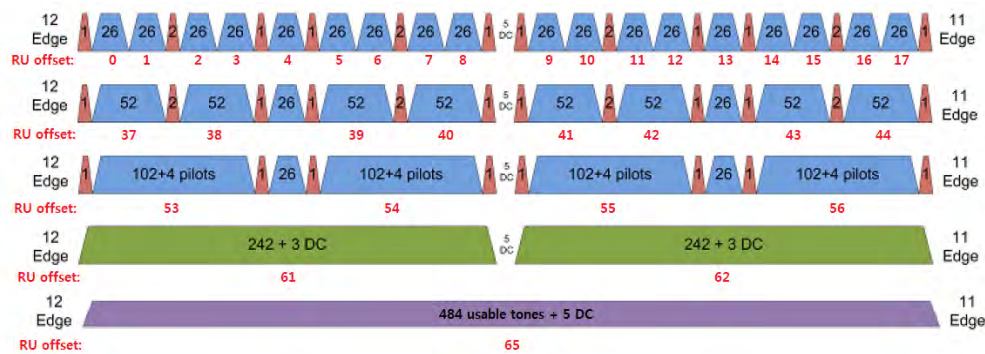
Simultaneous Tx condition - **Bluetooth with 5 GHz WLAN(not RSDB)**

Mode	# of TX	5GHz WLAN		2.4GHz Bluetooth	Test Case
		Ant1	Ant2	Ant1	
2.4GHz Bluetooth +5GHz WLAN (Not RSDB)	2	A	-	B	-
	2	-	A	B	-
	3	A		B	V

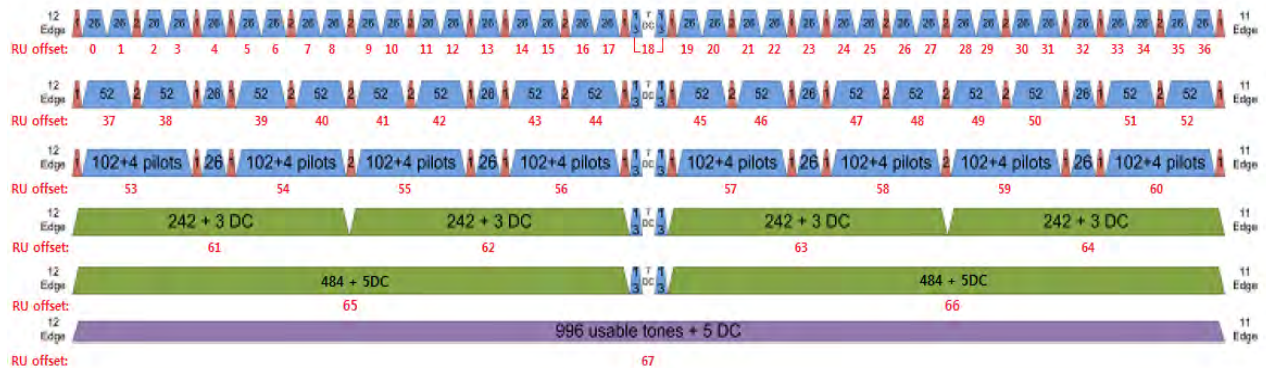
802.11ax RU allocations



- HE 20 Mode -



- HE 40 Mode -



- HE 80 Mode -

Test RU offset for tones in each modes

Mode	Tone number in RU	RU offset
HE20	26T	0
		4
		8
	52T	37
		38
		40
	106T	53
		54
	242T / SU ^{Note 1}	61 / -
HE40	26T	0
		9
		17
	52T	37
		41
		44
	106T	53
		54
		56
	242T	61
		62
	484T / SU ^{Note 1}	63 / -
HE80	26T	0
		18
		36
	52T	37
		45
		52
	106T	53
		57
		60
	242T	61
		62
		64
	484T	65
		66
	996T / SU ^{Note 1}	67 / -

Note 1: Full RU(Resource Unit) mode and SU(Single Unit) mode have no difference in physical waveform. This report has been described only SU mode with worst output power.

For MIMO, the Tx power in each antenna is 3 dB back-off except for SU mode.

Band portion of RU allocation about straddle channels

Mode	Channel	Tones	RU offset	Portion
HE20	Straddle 5720 MHz	26T	0	UNII 2C
			4	UNII 2C
			8	UNII 3
		52T	37	UNII 2C
			38	UNII 2C
			40	UNII 3
		106T	53	UNII 2C
			54	UNII 2C & UNII 3
		242T / SU	61 / -	UNII 2C & UNII 3
HE80	Straddle 5710 MHz	26T	0	UNII 2C
			9	UNII 2C
			17	UNII 3
		52T	37	UNII 2C
			41	UNII 2C
			44	UNII 3
		106T	53	UNII 2C
			54	UNII 2C
			56	UNII 2C & UNII 3
		242T	61	UNII 2C
			62	UNII 2C & UNII 3
		484T / SU	65 / -	UNII 2C & UNII 3
HE80	Straddle 5690 MHz	26T	0	UNII 2C
			18	UNII 2C
			36	UNII 3
		52T	37	UNII 2C
			45	UNII 2C
			52	UNII 3
		106T	53	UNII 2C
			57	UNII 2C
			60	UNII 2C & UNII 3
		242T	61	UNII 2C
			62	UNII 2C
			64	UNII 2C & UNII 3
		484T	65	UNII 2C
			66	UNII 2C & UNII 3
		996T / SU	67 / -	UNII 2C & UNII 3

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]	
		Antenna1	Antenna2	Antenna1	Antenna2
5180 - 5240	802.11ax HE20 SISO	16.28	16.03	42.46	40.09
	802.11ax HE20 MIMO	19.14		82.04	
5190 - 5230	802.11ax HE40 SISO	14.89	15.20	30.83	33.11
	802.11ax HE40 MIMO	18.03		63.53	
5210	802.11ax HE80 SISO	14.70	14.09	29.51	25.64
	802.11ax HE80 MIMO	17.01		50.23	
5260 - 5320	802.11ax HE20 SISO	14.20	13.73	26.30	23.60
	802.11ax HE20 MIMO	16.93		49.32	
5270 - 5310	802.11ax HE40 SISO	14.60	14.92	28.84	31.05
	802.11ax HE40 MIMO	17.74		59.43	
5290	802.11ax HE80 SISO	14.51	14.28	28.25	26.79
	802.11ax HE80 MIMO	16.96		49.66	
5500 - 5720	802.11ax HE20 SISO	14.00	14.22	25.12	26.42
	802.11ax HE20 MIMO	17.05		50.70	
5510 - 5710	802.11ax HE40 SISO	15.26	15.12	33.57	32.51
	802.11ax HE40 MIMO	17.69		58.75	
5530 - 5690	802.11ax HE80 SISO	14.24	13.93	26.55	24.72
	802.11ax HE80 MIMO	17.52		56.49	
5745 - 5825	802.11ax HE20 SISO	16.06	16.40	40.36	43.65
	802.11ax HE20 MIMO	19.14		82.04	
5755 - 5795	802.11ax HE40 SISO	15.25	14.85	33.50	30.55
	802.11ax HE40 MIMO	18.50		70.79	
5775	802.11ax HE80 SISO	14.39	14.43	27.48	27.73
	802.11ax HE80 MIMO	17.45		55.59	

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a internal antenna, with a maximum gain of:

Frequency Range [MHz]	Antenna Gain [dBi]	
	Antenna 1	Antenna 2
UNII 1 5150 ~ 5250	-8.40	-4.10
UNII 2A 5250 ~ 5350	-6.60	-5.80
UNII 2C 5470 ~ 5725	-5.80	-6.50
UNII 3 5725 ~ 5850	-7.10	-6.80

Note. WIFI1 and WIFI2 as indicated in antenna specification are written as ANT1 (Antenna 1) and ANT2 (Antenna 2) in this report

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.

Authorized Frequency Band			
Band	Frequency Range [MHz]	Mode	Covered by
UNII-1	5180 - 5240	802.11ax HE20 RU_242T 1TX	802.11ax HE20 SU 1TX
		802.11ax HE20 RU_242T 2TX SDM/STBC	802.11ax HE20 SU 2TX CDD
	5190 - 5230	802.11ax HE40 RU_484T 1TX	802.11ax HE40 SU 1TX
		802.11ax HE40 RU_484T 2TX SDM/STBC	802.11ax HE40 SU 2TX CDD
	5210	802.11ax HE80 RU_996T 1TX	802.11ax HE80 SU 1TX
		802.11ax HE80 RU_996T 2TX SDM/STBC	802.11ax HE80 SU 2TX CDD
UNII-2A	5260 - 5320	802.11ax HE20 RU_242T 1TX	802.11ax HE20 SU 1TX
		802.11ax HE20 RU_242T 2TX SDM/STBC	802.11ax HE20 SU 2TX CDD
	5270 - 5310	802.11ax HE40 RU_484T 1TX	802.11ax HE40 SU 1TX
		802.11ax HE40 RU_484T 2TX SDM/STBC	802.11ax HE40 SU 2TX CDD
	5290	802.11ax HE80 RU_996T 1TX	802.11ax HE80 SU 1TX
		802.11ax HE80 RU_996T 2TX SDM/STBC	802.11ax HE80 SU 2TX CDD
UNII-2C	5500 - 5720	802.11ax HE20 RU_242T 1TX	802.11ax HE20 SU 1TX
		802.11ax HE20 RU_242T 2TX SDM/STBC	802.11ax HE20 SU 2TX CDD
	5510 - 5710	802.11ax HE40 RU_484T 1TX	802.11ax HE40 SU 1TX
		802.11ax HE40 RU_484T 2TX SDM/STBC	802.11ax HE40 SU 2TX CDD
	5530 - 5690	802.11ax HE80 RU_996T 1TX	802.11ax HE80 SU 1TX
		802.11ax HE80 RU_996T 2TX SDM/STBC	802.11ax HE80 SU 2TX CDD
UNII-3	5745 - 5825	802.11ax HE20 RU_242T 1TX	802.11ax HE20 SU 1TX
		802.11ax HE20 RU_242T 2TX SDM/STBC	802.11ax HE20 SU 2TX CDD
	5755 - 5795	802.11ax HE40 RU_484T 1TX	802.11ax HE40 SU 1TX
		802.11ax HE40 RU_484T 2TX SDM/STBC	802.11ax HE40 SU 2TX CDD
	5775	802.11ax HE80 RU_996T 1TX	802.11ax HE80 SU 1TX
		802.11ax HE80 RU_996T 2TX SDM/STBC	802.11ax HE80 SU 2TX CDD

5.5. 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.

For SISO (ANT1), 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 Z orientation.

For SISO (ANT2), the fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z it was determined that X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Z orientation.

For MIMO, 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:

802.11ax HE20 mode: MCS0 (1Tx (SISO))
802.11ax HE20 mode: MCS0 (2Tx (MIMO) CDD)
802.11ax HE40 mode: MCS0 (1Tx (SISO))
802.11ax HE40 mode: MCS0 (2Tx (MIMO) CDD)
802.11ax HE80 mode: MCS0 (1Tx (SISO))
802.11ax HE80 mode: MCS0 (2Tx (MIMO) CDD)

Worst-case selection criteria for test items :

- For the radiated band-edge test, it was tested at RU allocations with highest power for each RU Tones across all bandwidths.
- For the spurious emissions, it was tested at the bandwidth/RU allocation with actual highest power and bandwidth/RU allocation with actual highest PSD for each bandwidth.
- For the 6dB Bandwidth, it was tested at the RU allocation with lowest tones number for each bandwidth.

Note : All radiated and power line conducted tests were performed attached with travel adapter for the worst case condition mode.

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Description	Manufacturer	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37M5DL3FL1SE3	N/A
Data Cable	SAMSUNG	EP-DG977	N/A	N/A

I/O CABLE

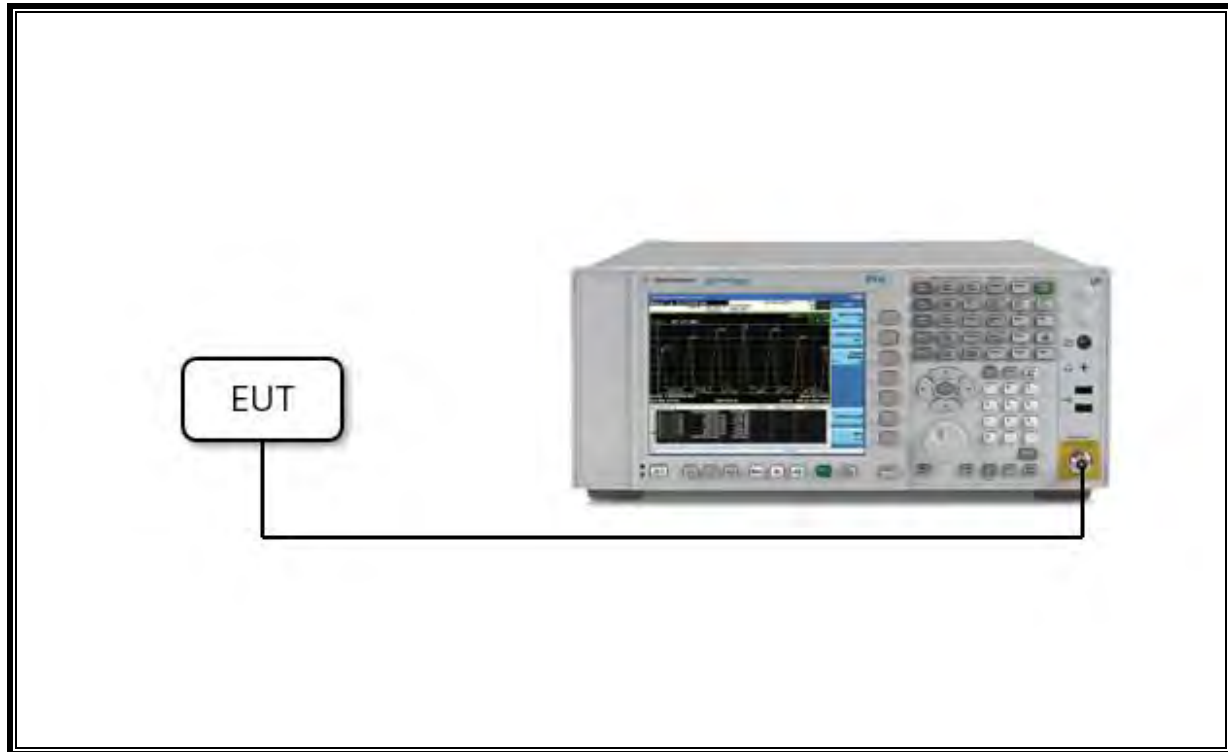
I/O Cable List						
Cable No.	Port	# of identical ports	Connector Type	Cable Type	Cable Length(m)	Remarks
1	DC Power	1	C Type	Shielded	1.0m	N/A

TEST SETUP

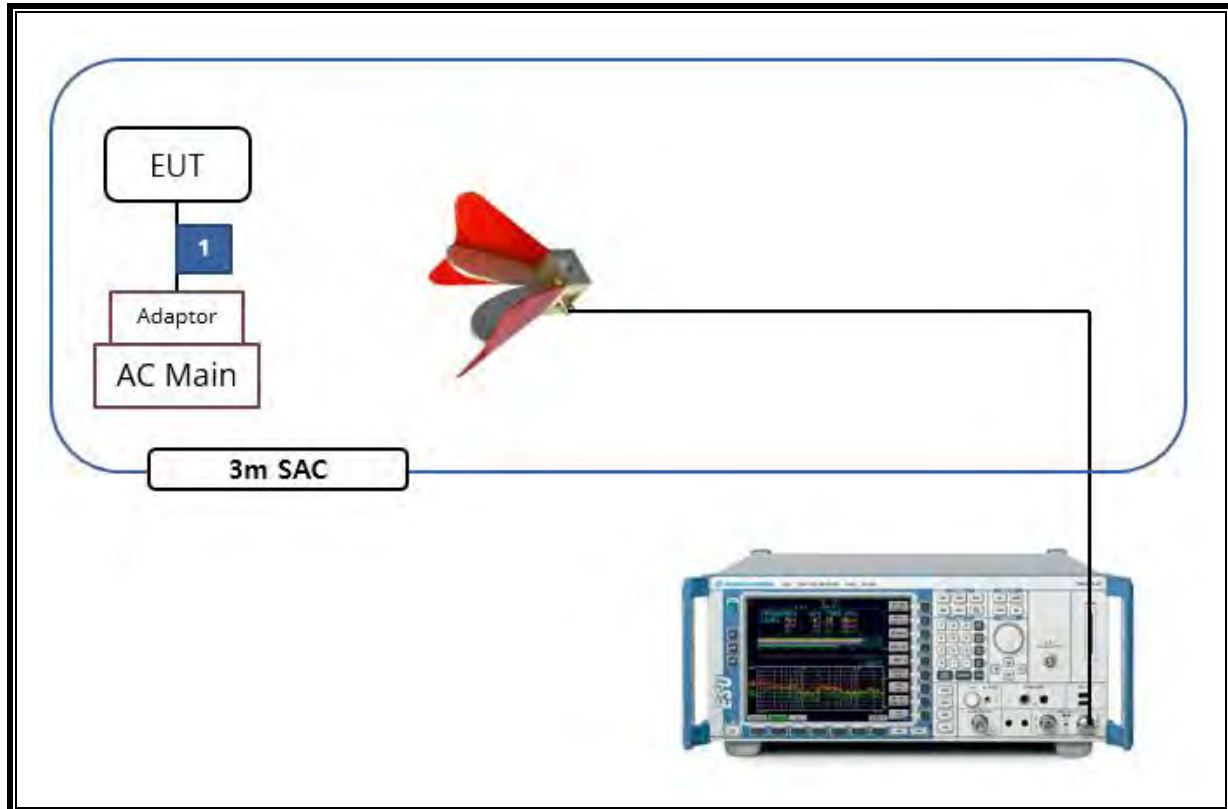
The EUT is a stand-alone unit during the tests.
Test software exercised the EUT to enable NII mode.

This EUT is able to equipped with S-pen on the inside. Spot check were performed both inserted and removed condition. Because there is no deviation between the two data, all tests were performed under equipped with the S-pen.

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. TEST AND MEASUREMENT EQUIPMENT

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

Test Equipment List				
Description	Manufacturer	Model	S/N	New Cal Due
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	08-04-20
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	08-04-20
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	845	08-04-20
Antenna, Horn, 18 GHz	ETS	3115	00167211	08-04-20
Antenna, Horn, 18 GHz	ETS	3115	00161451	08-04-20
Antenna, Horn, 18 GHz	ETS	3117	00168724	08-04-20
Antenna, Horn, 18 GHz	ETS	3117	00168717	08-04-20
Antenna, Horn, 18 GHz	ETS	3117	00205959	08-04-20
Antenna, Horn, 40 GHz	ETS	3116C	00166155	08-14-20
Antenna, Horn, 40 GHz	ETS	3116C	00168645	12-04-19
Antenna, Horn, 40 GHz	ETS	3116C-PA	00168841	08-09-19
Preamplifier, 1000 MHz	Sonoma	310N	341282	08-07-19
Preamplifier, 1000 MHz	Sonoma	310N	351741	08-07-19
Preamplifier, 1000 MHz	Sonoma	310N	370599	08-06-19
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1876511	08-07-19
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	08-07-19
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	08-07-19
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	08-07-19
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	08-06-19
Spectrum Analyzer, 43.5 GHz	R&S	FSW43	104089	08-06-19
Average Power Sensor	Agilent / HP	U2000	MY54270007	08-07-19
Attenuator	PASTERNAK	PE7087-10	A001	08-08-19
Attenuator	PASTERNAK	PE7087-10	A008	08-08-19
Attenuator	PASTERNAK	PE7004-10	2	08-07-19
Attenuator	PASTERNAK	PE7087-10	A009	08-08-19
EMI Test Receive, 40 GHz	R&S	ESU40	100439	08-06-19
EMI Test Receive, 40 GHz	R&S	ESU40	100457	08-06-19
EMI Test Receive, 44 GHz	R&S	ESW44	101590	08-06-19
EMI Test Receive, 3 GHz	R&S	ESR3	101832	08-06-19
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	009	08-07-19
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	015	08-07-19
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	020	08-06-19
High Pass Filter 3GHz	Micro-Tronics	HPM17543	010	08-07-19
High Pass Filter 3GHz	Micro-Tronics	HPM17543	015	08-07-19
High Pass Filter 3GHz	Micro-Tronics	HPM17543	020	08-06-19
High Pass Filter 6GHz	Micro-Tronics	HPS17542	009	08-07-19
High Pass Filter 6GHz	Micro-Tronics	HPS17542	016	08-07-19
High Pass Filter 6GHz	Micro-Tronics	HPS17542	021	08-06-19
LISN	R&S	ENV-216	101837	08-09-19
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. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
15.407(e)	6dB Band width (5.8Ghz)	500KHz	Condcuted	PASS
15.407 (a)(2)	TX Cond. Power 5.15-2.25, 5.25-5.35 & 5.47-5.725	<24dBm or 11+10Log(26dB BW)		PASS
15.407 (a)(3)	TX Cond. Power 5.725-5.825	< 30dBm		PASS
15.407 (a)(5)	PSD (5.2,5.3,5.5GHz)	<11dBm		PASS
15.407 (a)(5)	PSD (5.8GHz)	30dBm per 500kHz		PASS
15.207 (a)	AC Power Line conducted emissions	Section 10	Radiated	Refer to the UNII 802.11a_n_ac DFS WLAN Test report (No.:4789009800-E8)
15.407 (b) & 15.209	Radiated Spurious Emission	< 54dBuV/m		PASS
15.407 (h)(2)	Dynamic Frequency Selection	N/A	Condcuted	Refer to the UNII 802.11a_n_ac DFS WLAN Test report (No.:4789009800-E8)

8. MEASUREMENT METHODS

On-Time and Duty Cycle : KDB 789033 D02 v02r01, Section II.B.

6dB Emission BW : KDB 789033 D02 v02r01, Section II.C.2.

26dB Emission BW : KDB 789033 D02 v02r01, Section II.C.1.

99% Occupied BW : KDB 789033 D02 v02r01, Section II.D.

Conducted Output Power : KDB 789033 D02 v02r01, Section II.E.3.b(Method PM-G)

Conducted Output Power for Straddle Channel (ch144/142/138 for 20/40/80MHz BW):

KDB 789033 D02 v02r01, Section II.E.2.b(Method SA-1)

Power Spectral Density : KDB 789033 D02 v02r01, Section II.F.

Unwanted emissions in restricted bands : KDB 789033 D02 v02r01, Section II.G.3 – II.G.6.

Unwanted emissions in non-restricted bands : KDB 789033 D02 v02r01, Section II.G.3 – II.G.6.

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

9. REFERENCE MEASUREMENTS RESULTS

9.1. ON TIME AND DUTY CYCLE RESULTS

Mode		ANT	Tone	On Time [mS]	Period [mS]	Duty Cycle X [linear]	Duty Cycle X [%]	Duty Cycle Correction Factor [dB]		
UNII	HE20	SISO	26T	4.774	4.805	0.99	99.35	0.00		
			52T	5.149	5.180	0.99	99.40	0.00		
			106T	4.131	4.161	0.99	99.28	0.00		
			242T	3.094	3.124	0.99	99.04	0.00		
			SU	5.205	5.304	0.98	98.13	0.00		
		MIMO	26T	5.154	5.184	0.99	99.42	0.00		
			52T	5.341	5.371	0.99	99.44	0.00		
			106T	2.104	2.134	0.99	98.59	0.00		
			242T	5.618	5.648	0.99	99.47	0.00		
			SU	5.195	5.294	0.98	98.13	0.00		
	HE40	SISO	26T	4.774	4.807	0.99	99.31	0.00		
			52T	5.149	5.181	0.99	99.38	0.00		
			106T	4.130	4.163	0.99	99.21	0.00		
			242T	3.094	3.126	0.99	98.98	0.00		
			484T	2.752	2.784	0.99	98.85	0.00		
		MIMO	SU	5.186	5.287	0.98	98.09	0.00		
			26T	5.153	5.185	0.99	99.38	0.00		
			52T	5.340	5.372	0.99	99.40	0.00		
			106T	2.105	2.136	0.99	98.55	0.00		
			242T	2.760	2.792	0.99	98.85	0.00		
			484T	2.750	2.782	0.99	98.85	0.00		
			SU	5.275	5.376	0.98	98.12	0.00		
			HE80	SISO	26T	4.778	4.810	0.99	99.33	0.00
					52T	5.145	5.177	0.99	99.38	0.00
	106T	4.124			4.156	0.99	99.23	0.00		
	242T	5.447			5.480	0.99	99.40	0.00		
	484T	5.455			5.487	0.99	99.42	0.00		
	996T	4.905			5.005	0.98	98.00	0.00		
	MIMO	SU		5.418	5.519	0.98	98.17	0.00		
		26T		5.152	5.185	0.99	99.36	0.00		
		52T		5.341	5.373	0.99	99.40	0.00		
		106T		2.104	2.137	0.98	98.46	0.00		
		242T		2.760	2.793	0.99	98.82	0.00		
		484T		2.751	2.783	0.99	98.85	0.00		
	996T	4.909	5.008	0.98	98.02	0.00				
	SU	5.426	5.526	0.98	98.19	0.00				

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 789033 D02 v02r01 Zero-Span Spectrum Analyzer Method.

DUTY CYCLE PLOTS

Please refer to Appendix B.

9.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Reference to 789033 D02 General UNII Test Procedures New Rules v02r01: The transmitter output is connected to a spectrum analyzer with the RBW set to approximately 1% of EBW, the VBW > RBW, peak detector and max hold.

NOTE

- Calculation for 26dB Bandwidth of RU allocation and channels included to straddle band in UNII-2C and UNII-3 Straddle Channel
- ex) Marker 2: Lower point of 26 dB bandwidth
 Marker 3: Upper point of 26 dB bandwidth
- o Turning Frequency : 5725MHz
 - o Marker 2: 5710 MHz
 - o Marker 3: 5730 MHz
 - o 26dB Bandwidth of UNII-2C band Portion
 = $(5725 - 5710) = 15 \text{ MHz}$
 - o 26dB Bandwidth of UNII-3 band Portion
 = $(5730 - 5725) = 5 \text{ MHz}$

RESULTS

See the next page. (Test plots refer to the Appendix C.)

9.2.1. 802.11ax HE20 MODE IN THE 5.2 GHz BAND

Band	Mode	Center Freq. [MHz]	Tones	RU offset	26 dB BW [MHz]	
					ANT1	ANT2
UNII-1	HE20	5180	26T	0	19.87	19.60
				4	18.76	18.58
				8	20.62	20.50
			52T	37	19.95	20.40
				38	19.76	18.93
				40	20.89	20.87
			106T	53	20.74	19.78
				54	21.19	21.29
			SU	-	21.33	21.31
		5200	26T	0	19.66	20.03
				4	18.51	19.18
				8	20.36	20.51
			52T	37	20.26	20.39
				38	19.49	19.61
				40	21.05	20.65
			106T	53	20.22	20.90
				54	20.66	20.69
			SU	-	21.42	21.17
		5240	26T	0	19.34	19.73
				4	19.18	18.33
				8	20.67	20.40
			52T	37	20.24	19.67
				38	19.45	19.28
				40	21.09	20.97
			106T	53	20.68	20.97
				54	21.24	21.30
			SU	-	21.49	21.48

9.2.2. 802.11ax HE40 MODE IN THE 5.2 GHz BAND

Band	Mode	Center Freq. [MHz]	Tones	RU offset	26 dB BW [MHz]	
					ANT1	ANT2
UNII-1	HE40	5190	26T	0	19.31	19.95
				9	21.73	21.51
				17	20.41	20.64
			52T	37	20.81	19.89
				41	25.58	22.82
				44	21.47	20.11
			106T	53	22.82	23.22
				54	27.56	25.53
				56	24.34	24.24
			242T	61	27.78	27.68
				62	29.84	29.23
			SU	-	39.77	39.63
		5230	26T	0	20.16	19.56
				9	22.04	21.31
				17	19.23	19.68
			52T	37	19.99	20.74
				41	22.68	24.44
				44	20.65	20.98
			106T	53	22.61	22.95
				54	25.85	25.51
				56	23.55	23.66
			242T	61	28.98	29.91
				62	29.25	29.93
			SU	-	39.52	39.57

9.2.3. 802.11ax HE80 MODE IN THE 5.2 GHz BAND

Band	Mode	Center Freq. [MHz]	Tones	RU offset	26 dB BW [MHz]	
					ANT1	ANT2
UNII-1	HE80	5210	26T	0	21.63	20.73
				18	40.81	39.94
				36	23.76	22.23
			52T	37	22.86	21.88
				45	29.43	26.24
				52	24.72	25.07
			106T	53	25.18	23.88
				57	38.25	28.37
				60	30.56	30.09
			242T	61	35.09	42.89
				62	50.31	49.31
				64	32.33	34.62
			484T	65	53.45	59.01
				66	69.10	57.71
			SU	-	81.70	81.21

9.2.4. 802.11ax HE20 MODE IN THE 5.3 GHz BAND

Band	Mode	Center Freq. [MHz]	Tones	RU offset	26 dB BW [MHz]	
					ANT1	ANT2
UNII-2A	HE20	5260	26T	0	19.14	19.97
				4	19.00	19.19
				8	20.44	20.55
			52T	37	20.14	20.24
				38	19.34	19.38
				40	21.10	20.87
			106T	53	20.78	20.65
				54	21.52	21.29
			SU	-	21.56	21.37
		5300	26T	0	20.00	19.80
				4	18.69	18.63
				8	19.74	20.18
			52T	37	20.35	19.93
				38	19.72	19.85
				40	21.08	20.42
			106T	53	20.79	19.72
				54	20.68	20.53
			SU	-	21.29	21.49
		5320	26T	0	20.03	19.87
				4	19.26	18.57
				8	20.67	20.28
			52T	37	20.32	19.97
				38	19.97	19.68
				40	20.34	20.64
			106T	53	20.67	20.60
				54	21.29	21.43
			SU	-	21.52	21.19

9.2.5. 802.11ax HE40 MODE IN THE 5.3 GHz BAND

Band	Mode	Center Freq. [MHz]	Tones	RU offset	26 dB BW [MHz]	
					ANT1	ANT2
UNII-2A	HE40	5270	26T	0	20.12	19.85
				9	22.62	22.54
				17	19.87	20.71
			52T	37	20.55	20.41
				41	24.22	22.93
				44	22.00	21.38
			106T	53	21.89	22.81
				54	25.02	23.33
				56	24.34	24.75
			242T	61	26.80	28.63
				62	28.40	28.22
			SU	-	39.65	39.68
		5310	26T	0	19.13	19.96
				9	20.70	22.61
				17	19.90	20.09
			52T	37	20.30	20.70
				41	23.75	24.52
				44	21.00	21.69
			106T	53	23.21	22.56
				54	24.79	24.89
				56	24.04	24.25
			242T	61	27.76	27.79
				62	30.39	28.63
			SU	-	40.14	39.54

9.2.6. 802.11ax HE80 MODE IN THE 5.3 GHZ BAND

Band	Mode	Center Freq. [MHz]	Tones	RU offset	26 dB BW [MHz]	
					ANT1	ANT2
UNII-2A	HE80	5290	26T	0	20.47	21.47
				18	41.72	41.01
				36	22.64	23.16
			52T	37	21.92	18.20
				45	28.25	26.77
				52	25.23	23.11
			106T	53	24.88	25.38
				57	36.25	34.02
				60	30.21	27.83
			242T	61	33.08	33.63
				62	53.70	51.96
				64	38.91	35.05
			484T	65	55.36	57.88
				66	59.62	60.31
			SU	-	80.91	81.11

9.2.7. 802.11ax HE20 MODE IN THE 5.5 GHz BAND

Band	Mode	Center Freq. [MHz]	Tones	RU offset	26 dB BW [MHz]	
					ANT1	ANT2
UNII-2C	HE20	5500	26T	0	19.85	19.75
				4	19.03	18.63
				8	20.37	20.77
			52T	37	20.32	20.23
				38	19.80	19.00
				40	20.55	20.85
			106T	53	20.23	20.42
				54	21.23	21.13
			SU	-	21.52	21.49
		5580	26T	0	19.78	19.70
				4	18.44	19.14
				8	20.66	20.62
			52T	37	20.05	20.23
				38	19.70	19.50
				40	21.11	20.97
			106T	53	20.20	20.74
				54	20.38	21.34
			SU	-	21.30	21.59
		5700	26T	0	19.80	19.73
				4	18.77	19.38
				8	20.39	20.30
			52T	37	20.25	20.31
				38	19.94	19.56
				40	20.94	20.01
			106T	53	19.93	20.59
				54	21.06	21.15
			SU	-	21.20	21.33
UNII-2C	HE20	Straddle 5720	26T	0	19.77	19.72
				4	18.75	18.67
				8	-	
			52T	37	20.33	20.11
				38	18.87	19.18
				40	-	
			106T	53	20.28	20.28
				54*	15.34	15.27
			242T	61*		
			SU	-*	15.96	15.95

* RU Allocation included in the straddle band.

9.2.8. 802.11ax HE40 MODE IN THE 5.5 GHz BAND

Band	Mode	Center Freq. [MHz]	Tones	RU offset	26 dB BW [MHz]	
					ANT1	ANT2
UNII-2C	HE40	5510	26T	0	19.31	19.97
				9	22.82	22.23
				17	19.03	19.52
			52T	37	20.60	18.70
				41	23.45	25.43
				44	21.88	21.33
			106T	53	22.41	22.54
				54	25.72	25.48
				56	24.07	21.34
			242T	61	28.21	28.69
				62	30.33	28.85
			SU	-	39.52	39.79
		5590	26T	0	18.95	20.10
				9	23.05	21.56
				17	20.52	19.96
			52T	37	20.83	21.13
				41	23.27	24.69
				44	20.43	21.52
			106T	53	22.11	22.66
				54	24.61	25.15
				56	24.14	24.39
			242T	61	28.03	28.03
				62	30.75	29.51
			SU	-	39.61	39.78
		5670	26T	0	20.10	19.11
				9	23.06	22.91
				17	20.68	20.25
			52T	37	20.38	20.85
				41	25.44	24.68
				44	21.93	21.12
			106T	53	22.53	22.83
				54	25.60	25.15
				56	24.33	24.35
			242T	61	26.57	27.19
				62	29.22	29.40
			SU	-	39.52	39.72

UNII-2C	HE40	Straddle 5710	26T	0	19.61	19.14
				9	21.31	22.92
				17	-	
			52T	37	21.08	20.74
				41	23.55	24.86
				44	-	
			106T	53	22.58	22.33
				54	25.72	26.75
				56*	20.14	20.40
			242T	61	27.05	28.03
				62*	25.51	29.24
			484T	65*		
SU	-*	34.98	35.10			

* RU Allocation included in the straddle band.

9.2.9. 802.11ax HE80 MODE IN THE 5.5 GHz BAND

Band	Mode	Center Freq. [MHz]	Tones	RU offset	26 dB BW [MHz]	
					ANT1	ANT2
UNII-2C	HE80	5530	26T	0	20.81	20.65
				18	42.00	40.62
				36	23.29	23.33
			52T	37	22.16	21.70
				45	27.99	24.50
				52	24.88	25.27
			106T	53	22.90	26.15
				57	30.74	33.15
				60	29.72	30.57
			242T	61	33.40	34.93
				62	50.19	51.23
				64	35.75	34.72
			484T	65	53.16	55.97
				66	70.88	71.96
			SU	-	81.21	80.98
		5610	26T	0	19.66	21.58
				18	39.42	40.67
				36	21.74	24.78
			52T	37	22.13	21.10
				45	26.25	29.24
				52	23.20	25.01
			106T	53	24.29	25.82
				57	30.64	34.44
				60	26.57	27.40
			242T	61	35.69	35.36
				62	51.64	49.24
				64	42.90	38.39
			484T	65	57.64	55.49
				66	60.01	60.44
			SU	-	80.48	81.05

UNII-2C	HE80	Straddle 5690	26T	0	21.46	21.93
				18	41.54	41.89
				36	-	
			52T	37	21.17	22.55
				45	27.73	28.69
				52	-	
			106T	53	24.85	24.84
				57	30.31	36.94
				60*	22.87	22.35
			242T	61	33.99	33.32
				62	47.15	50.02
				64*	31.64	32.35
			484T	65	56.58	56.44
				66*	52.26	58.56
			996T	67*		
			SU	.*	75.57	75.82

* RU Allocation included in the straddle band.

10. ANTENNA PORT TEST RESULTS

10.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407

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

TEST PROCEDURE

Reference to 789033 D02 General UNII Test Procedures New Rules v02r01: 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.

NOTE

- Calculation for 6dB Bandwidth of RU allocation included to straddle band in UNII-3 Straddle Channel
- ex) Marker 3: Upper point of 6 dB bandwidth
 - o Marker 3: 5728 MHz
 - o Starting Frequency of UNII-3 band : 5725MHz
 - o 6dB Bandwidth of UNII-3 band Portion
 $= (5728 - 5725) = 3 \text{ MHz}$

RESULTS

See the next page. (Test plots refer to the Appendix C.)

10.1.1. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

Band	Mode	Center Freq.(MHz)	Tones	RU offset	6 dB BW [MHz]		Minimum Limit (MHz)
					ANT1	ANT2	
UNII-3	HE20	Straddle 5720	26T	8	2.058	2.037	0.5
			52T	40	14.740	17.050	
			106T	54*	4.490	4.500	
			SU	-	4.418	4.388	
		5745	26T	0	2.049	2.058	
		5785	26T	0	2.091	2.060	
		5825	26T	0	2.045	2.090	
		Minimum 6dB Bandwidth			2.045	2.037	

* RU Allocation included in the straddle band.

10.1.2. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

Band	Mode	Center Freq.(MHz)	Tones	RU offset	6 dB BW [MHz]		Minimum Limit (MHz)
					ANT1	ANT2	
UNII-3	HE40	Straddle 5710	26T	17	2.031	2.022	0.5
			52T	44	15.270	15.170	
			106T	56*	3.848	3.844	
			242T	62*	3.800	3.728	
			SU	-	3.720	3.648	
		5755	26T	0	2.033	1.990	
		5795	26T	0	2.052	1.990	
		Minimum 6dB Bandwidth			2.031	1.990	

* RU Allocation included in the straddle band.

10.1.3. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

Band	Mode	Center Freq.(MHz)	Tones	RU offset	6 dB BW [MHz]		Minimum Limit (MHz)
					ANT1	ANT2	
UNII-3	HE80	Straddle 5690	26T	36	1.994	2.021	0.5
			52T	52	16.460	16.430	
			106T	60*	3.936	3.928	
			484T	66*	3.600	3.336	
			SU	-	3.320	3.136	
		5775	26T	0	2.009	2.068	
		Minimum 6dB Bandwidth			1.994	2.021	

* RU Allocation included in the straddle band.

10.2. OUTPUT POWER AND PPSD

LIMITS

FCC §15.407 (a) (1) (2) (3)

FCC

For the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26-dB emission bandwidth in MHz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

TEST PROCEDURE

KDB 789033 Method PM is used for output power.

KDB 789033 Method SA-2 is used for only power of straddle Ch. and PPSD. RBW set to 100kHz (the VBW $\geq 3 \times \text{RBW}$, RMS detector and trace averaging, add $10 \log (1\text{MHz}/\text{RBW})$). For UNII-3, add $10 \log (500\text{kHz}/\text{RBW})$). Band power function used for power and peak marker value of the spectrum is used for PSD. Add duty cycle correction factor.

DIRECTIONAL ANTENNA GAIN

For OUTPUT POWER and PSD: The TX chains are correlated and the antenna gains are unequal among the chains. The directional gain is:

Frequency Band [MHz]	Antenna1 Gain [dBi]	Antenna2 Gain [dBi]	Correlated Chains Directional Gain [dBi]
UNII 1 5150 - 5250	-8.40	-4.10	-2.98
UNII 2A 5250 - 5350	-6.60	-5.80	-3.18
UNII 2C 5470 - 5725	-5.80	-6.50	-3.13
UNII 3 5725 - 5850	-7.10	-6.80	-3.94

RESULTS

See the next page. (Test plots refer to the Appendix D.)

10.2.1. 802.11ax HE20 1Tx (SISO) MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5180	18.58	-2.98	-2.98
Mid	5200	18.51	-2.98	-2.98
High	5240	18.33	-2.98	-2.98

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5180	23.69	23.69	11.00	11.00
Mid	5200	23.67	23.67	11.00	11.00
High	5240	23.63	23.63	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5180	26T	0	8.65	8.00	8.65	8.00	23.69	-15.69
			4	8.85	8.42	8.85	8.42	23.69	-15.27
			8	8.78	8.35	8.78	8.35	23.69	-15.34
		52T	37	10.38	9.68	10.38	9.68	23.69	-14.01
			38	10.59	9.82	10.59	9.82	23.69	-13.87
			40	10.44	9.81	10.44	9.81	23.69	-13.88
		106T	53	12.80	12.39	12.80	12.39	23.69	-11.30
			54	12.89	12.41	12.89	12.41	23.69	-11.28
		242T	61	13.85	13.35	13.85	13.35	23.69	-10.34
		SU	-	16.28	16.03	16.28	16.03	23.69	-7.66
Mid	5200	26T	0	8.78	8.11	8.78	8.11	23.67	-15.56
			4	8.98	8.22	8.98	8.22	23.67	-15.45
			8	8.88	7.98	8.88	7.98	23.67	-15.69
		52T	37	10.35	9.65	10.35	9.65	23.67	-14.02
			38	10.38	9.74	10.38	9.74	23.67	-13.93
			40	10.29	9.62	10.29	9.62	23.67	-14.05
		106T	53	12.79	12.32	12.79	12.32	23.67	-11.35
			54	12.80	12.33	12.80	12.33	23.67	-11.34
		242T	61	13.80	13.22	13.80	13.22	23.67	-10.45
		SU	-	16.20	15.93	16.20	15.93	23.67	-7.74
High	5240	26T	0	8.70	7.92	8.70	7.92	23.63	-15.71
			4	8.84	8.28	8.84	8.28	23.63	-15.35
			8	8.77	7.85	8.77	7.85	23.63	-15.78
		52T	37	10.32	9.40	10.32	9.40	23.63	-14.23
			38	10.46	9.78	10.46	9.78	23.63	-13.85
			40	10.34	9.48	10.34	9.48	23.63	-14.15
		106T	53	12.75	12.24	12.75	12.24	23.63	-11.39
			54	12.76	12.25	12.76	12.25	23.63	-11.38
		242T	61	13.75	13.23	13.75	13.23	23.63	-10.40
		SU	-	16.09	15.83	16.09	15.83	23.63	-7.80

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5180	26T	0	-4.39	-4.72	5.61	5.28	11.00	-5.72
			4	-4.04	-4.49	5.96	5.51	11.00	-5.49
			8	-4.30	-4.78	5.70	5.22	11.00	-5.78
		52T	37	-5.92	-6.54	4.08	3.46	11.00	-7.54
			38	-5.71	-6.26	4.29	3.74	11.00	-7.26
			40	-5.76	-6.26	4.24	3.74	11.00	-7.26
		106T	53	-6.42	-6.49	3.58	3.51	11.00	-7.49
			54	-6.32	-6.63	3.68	3.37	11.00	-7.63
		SU	-	-6.01	-6.16	3.99	3.84	11.00	-7.16
Mid	5200	26T	0	-4.46	-4.75	5.54	5.25	11.00	-5.75
			4	-3.89	-4.68	6.11	5.32	11.00	-5.68
			8	-4.25	-4.90	5.75	5.10	11.00	-5.90
		52T	37	-5.99	-6.62	4.01	3.38	11.00	-7.62
			38	-5.80	-6.41	4.20	3.60	11.00	-7.41
			40	-6.05	-6.14	3.95	3.87	11.00	-7.14
		106T	53	-6.51	-6.87	3.49	3.13	11.00	-7.87
			54	-6.35	-6.81	3.65	3.19	11.00	-7.81
		SU	-	-6.03	-6.00	3.97	4.00	11.00	-7.00
High	5240	26T	0	-4.31	-4.84	5.69	5.16	11.00	-5.84
			4	-3.73	-4.80	6.27	5.21	11.00	-5.80
			8	-3.80	-4.84	6.20	5.16	11.00	-5.84
		52T	37	-5.89	-6.35	4.11	3.65	11.00	-7.35
			38	-5.78	-6.03	4.22	3.97	11.00	-7.03
			40	-5.79	-6.44	4.21	3.56	11.00	-7.44
		106T	53	-6.15	-6.64	3.85	3.36	11.00	-7.64
			54	-6.08	-6.60	3.93	3.41	11.00	-7.60
		SU	-	-5.90	-6.21	4.10	3.79	11.00	-7.21

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.2. 802.11ax HE40 1Tx (SISO) MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5190	19.31	-2.98	-2.98
High	5230	19.23	-2.98	-2.98

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5190	23.86	23.86	11.00	11.00
High	5230	23.84	23.84	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5190	26T	0	8.36	8.03	8.36	8.03	23.86	-15.83
			9	9.32	9.04	9.32	9.04	23.86	-14.82
			17	8.20	7.90	8.20	7.90	23.86	-15.96
		52T	37	10.20	10.19	10.20	10.19	23.86	-13.67
			41	10.93	10.95	10.93	10.95	23.86	-12.91
			44	9.90	10.12	9.90	10.12	23.86	-13.74
		106T	53	11.58	11.84	11.58	11.84	23.86	-12.02
			54	12.05	12.38	12.05	12.38	23.86	-11.48
			56	11.37	11.65	11.37	11.65	23.86	-12.21
		242T	61	13.94	13.11	13.94	13.11	23.86	-10.75
			62	13.75	12.98	13.75	12.98	23.86	-10.88
		484T	65	13.96	14.08	13.96	14.08	23.86	-9.78
		SU	-	14.89	15.20	14.89	15.20	23.86	-8.66
Mid	5230	26T	0	8.52	8.52	8.52	8.52	23.84	-15.32
			9	9.42	9.26	9.42	9.26	23.84	-14.58
			17	8.33	8.03	8.33	8.03	23.84	-15.81
		52T	37	10.09	10.25	10.09	10.25	23.84	-13.59
			41	10.92	10.92	10.92	10.92	23.84	-12.92
			44	9.95	10.12	9.95	10.12	23.84	-13.72
		106T	53	11.47	11.80	11.47	11.80	23.84	-12.04
			54	12.02	12.40	12.02	12.40	23.84	-11.44
			56	11.30	11.70	11.30	11.70	23.84	-12.14
		242T	61	13.83	13.12	13.83	13.12	23.84	-10.72
			62	13.74	13.03	13.74	13.03	23.84	-10.81
		484T	65	13.90	14.15	13.90	14.15	23.84	-9.69
		SU	-	14.83	15.12	14.83	15.12	23.84	-8.72

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5190	26T	0	-4.52	-5.05	5.48	4.95	11.00	-6.05
			9	-3.58	-3.98	6.42	6.02	11.00	-4.98
			17	-4.63	-4.39	5.37	5.61	11.00	-5.39
		52T	37	-5.47	-5.34	4.54	4.66	11.00	-6.34
			41	-5.21	-4.93	4.79	5.07	11.00	-5.93
			44	-5.87	-5.60	4.13	4.40	11.00	-6.60
		106T	53	-6.95	-7.00	3.06	3.00	11.00	-8.00
			54	-6.56	-6.19	3.44	3.81	11.00	-7.19
			56	-7.59	-7.03	2.42	2.97	11.00	-8.03
		242T	61	-7.87	-8.67	2.13	1.33	11.00	-9.67
			62	-8.17	-9.01	1.83	0.99	11.00	-10.01
		SU	-	-10.29	-9.60	-0.29	0.40	11.00	-10.60
Mid	5230	26T	0	-4.70	-4.61	5.30	5.39	11.00	-5.61
			9	-3.61	-3.36	6.39	6.64	11.00	-4.36
			17	-4.33	-4.38	5.67	5.62	11.00	-5.38
		52T	37	-5.69	-5.62	4.31	4.38	11.00	-6.62
			41	-4.93	-4.79	5.07	5.22	11.00	-5.79
			44	-5.55	-5.25	4.45	4.75	11.00	-6.25
		106T	53	-7.43	-6.57	2.57	3.43	11.00	-7.57
			54	-6.63	-6.54	3.38	3.46	11.00	-7.54
			56	-7.00	-6.87	3.00	3.13	11.00	-7.87
		242T	61	-8.41	-9.02	1.59	0.98	11.00	-10.02
			62	-8.15	-8.72	1.85	1.28	11.00	-9.72
		SU	-	-10.24	-9.73	-0.24	0.27	11.00	-10.73

*** Calculation of PPSP result :**

Corr'd PPSP [dBm] = Meas PPSP [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.3. 802.11ax HE80 1Tx (SISO) MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Mid	5210	21.63	-2.98	-2.98

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Mid	5210	24.00	24.00	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		996T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5210	26T	0	8.68	8.66	8.68	8.66	24.00	-15.34
			18	9.38	9.33	9.38	9.33	24.00	-14.67
			36	8.36	8.52	8.36	8.52	24.00	-15.48
		52T	37	10.33	10.33	10.33	10.33	24.00	-13.67
			45	10.64	10.75	10.64	10.75	24.00	-13.25
			52	9.91	10.18	9.91	10.18	24.00	-13.82
		106T	53	11.60	11.83	11.60	11.83	24.00	-12.17
			57	11.77	12.08	11.77	12.08	24.00	-11.92
			60	11.23	11.63	11.23	11.63	24.00	-12.37
		242T	61	11.88	12.16	11.88	12.16	24.00	-11.84
			62	12.03	12.40	12.03	12.40	24.00	-11.60
			64	11.62	12.04	11.62	12.04	24.00	-11.96
		484T	65	12.98	13.03	12.98	13.03	24.00	-10.97
			66	12.87	13.04	12.87	13.04	24.00	-10.96
		996T	67	13.88	13.01	13.88	13.01	24.00	-10.99
		SU	-	14.70	14.09	14.70	14.09	24.00	-9.91

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5210	26T	0	-4.55	-4.27	5.45	5.73	11.00	-5.27
			18	-3.95	-4.11	6.05	5.89	11.00	-5.11
			36	-4.22	-4.34	5.78	5.66	11.00	-5.34
		52T	37	-5.28	-5.37	4.72	4.63	11.00	-6.37
			45	-5.25	-5.31	4.76	4.69	11.00	-6.31
			52	-5.48	-5.45	4.52	4.55	11.00	-6.45
		106T	53	-6.70	-6.59	3.30	3.41	11.00	-7.59
			57	-7.17	-6.98	2.83	3.02	11.00	-7.98
			60	-7.04	-7.01	2.96	2.99	11.00	-8.01
		242T	61	-10.23	-9.91	-0.23	0.09	11.00	-10.91
			62	-10.30	-10.03	-0.30	-0.03	11.00	-11.03
			64	-10.34	-9.96	-0.34	0.04	11.00	-10.96
		484T	65	-12.14	-11.98	-2.14	-1.98	11.00	-12.98
			66	-11.86	-12.16	-1.86	-2.16	11.00	-13.16
		SU	-	-13.09	-13.92	-3.09	-3.92	11.00	-14.92

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.4. 802.11ax HE20 1Tx (SISO) MODE IN THE 5.3 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5260	19.00	-3.18	-3.18
Mid	5300	18.63	-3.18	-3.18
High	5320	18.57	-3.18	-3.18

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5260	23.79	23.79	11.00	11.00
Mid	5300	23.70	23.70	11.00	11.00
High	5320	23.69	23.69	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5260	26T	0	8.85	7.94	8.85	7.94	23.79	-15.85
			4	9.12	8.27	9.12	8.27	23.79	-15.52
			8	8.90	7.97	8.90	7.97	23.79	-15.82
		52T	37	10.35	9.43	10.35	9.43	23.79	-14.36
			38	10.46	9.55	10.46	9.55	23.79	-14.24
			40	10.25	9.36	10.25	9.36	23.79	-14.43
		106T	53	12.75	12.02	12.75	12.02	23.79	-11.77
			54	12.70	12.10	12.70	12.10	23.79	-11.69
		242T	61	13.74	13.12	13.74	13.12	23.79	-10.67
		SU	-	14.20	13.73	14.20	13.73	23.79	-10.06
Mid	5300	26T	0	8.60	8.10	8.60	8.10	23.70	-15.60
			4	9.17	8.15	9.17	8.15	23.70	-15.55
			8	8.70	8.07	8.70	8.07	23.70	-15.63
		52T	37	10.40	9.35	10.40	9.35	23.70	-14.35
			38	10.49	9.42	10.49	9.42	23.70	-14.28
			40	10.32	9.32	10.32	9.32	23.70	-14.38
		106T	53	12.70	12.02	12.70	12.02	23.70	-11.68
			54	12.65	11.98	12.65	11.98	23.70	-11.72
		242T	61	13.66	13.12	13.66	13.12	23.70	-10.58
		SU	-	14.08	13.68	14.08	13.68	23.70	-10.02
High	5320	26T	0	8.91	7.92	8.91	7.92	23.69	-15.77
			4	9.10	8.10	9.10	8.10	23.69	-15.59
			8	8.68	7.88	8.68	7.88	23.69	-15.81
		52T	37	10.24	9.25	10.24	9.25	23.69	-14.44
			38	10.30	9.35	10.30	9.35	23.69	-14.34
			40	10.13	9.33	10.13	9.33	23.69	-14.36
		106T	53	12.59	11.97	12.59	11.97	23.69	-11.72
			54	12.52	11.93	12.52	11.93	23.69	-11.76
		242T	61	13.55	13.05	13.55	13.05	23.69	-10.64
		SU	-	14.10	13.60	14.10	13.60	23.69	-10.09

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5260	26T	0	-3.74	-4.62	6.26	5.39	11.00	-5.62
			4	-3.65	-4.23	6.35	5.77	11.00	-5.23
			8	-3.90	-4.42	6.10	5.59	11.00	-5.42
		52T	37	-5.57	-6.43	4.44	3.57	11.00	-7.43
			38	-5.41	-6.25	4.59	3.75	11.00	-7.25
			40	-5.54	-6.49	4.46	3.51	11.00	-7.49
		106T	53	-6.03	-6.67	3.97	3.33	11.00	-7.67
			54	-6.01	-6.78	3.99	3.22	11.00	-7.78
		SU	-	-7.76	-8.03	2.24	1.97	11.00	-9.03
Mid	5300	26T	0	-3.84	-4.93	6.16	5.07	11.00	-5.93
			4	-3.50	-4.75	6.50	5.25	11.00	-5.75
			8	-3.90	-4.85	6.10	5.15	11.00	-5.85
		52T	37	-5.66	-6.91	4.35	3.09	11.00	-7.91
			38	-5.27	-6.42	4.73	3.59	11.00	-7.42
			40	-5.93	-6.74	4.07	3.26	11.00	-7.74
		106T	53	-6.25	-7.06	3.75	2.94	11.00	-8.06
			54	-6.13	-6.84	3.87	3.16	11.00	-7.84
		SU	-	-7.77	-8.26	2.23	1.74	11.00	-9.26
High	5320	26T	0	-3.66	-5.05	6.34	4.95	11.00	-6.05
			4	-3.65	-4.46	6.35	5.54	11.00	-5.46
			8	-4.18	-4.91	5.82	5.10	11.00	-5.91
		52T	37	-5.74	-6.62	4.26	3.38	11.00	-7.62
			38	-5.87	-6.84	4.13	3.16	11.00	-7.84
			40	-6.08	-7.10	3.92	2.90	11.00	-8.10
		106T	53	-6.52	-7.19	3.48	2.82	11.00	-8.19
			54	-6.44	-7.06	3.56	2.94	11.00	-8.06
		SU	-	-7.82	-8.38	2.18	1.62	11.00	-9.38

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.5. 802.11ax HE40 1Tx (SISO) MODE IN THE 5.3 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5270	19.85	-3.18	-3.18
High	5310	19.13	-3.18	-3.18

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5270	23.98	23.98	11.00	11.00
High	5310	23.82	23.82	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5270	26T	0	8.55	8.97	8.55	8.97	23.98	-15.01
			9	9.48	9.46	9.48	9.46	23.98	-14.52
			17	8.52	8.60	8.52	8.60	23.98	-15.38
		52T	37	10.04	10.32	10.04	10.32	23.98	-13.66
			41	10.76	10.97	10.76	10.97	23.98	-13.01
			44	9.72	10.05	9.72	10.05	23.98	-13.93
		106T	53	11.36	11.84	11.36	11.84	23.98	-12.14
			54	11.81	12.30	11.81	12.30	23.98	-11.68
			56	11.10	11.51	11.10	11.51	23.98	-12.47
		242T	61	13.70	13.25	13.70	13.25	23.98	-10.73
			62	13.53	13.07	13.53	13.07	23.98	-10.91
		484T	65	13.71	14.23	13.71	14.23	23.98	-9.75
		SU	-	14.59	14.92	14.59	14.92	23.98	-9.06
Mid	5310	26T	0	8.70	8.50	8.70	8.50	23.82	-15.32
			9	9.42	9.30	9.42	9.30	23.82	-14.52
			17	8.40	8.13	8.40	8.13	23.82	-15.69
		52T	37	10.01	10.30	10.01	10.30	23.82	-13.52
			41	10.65	10.77	10.65	10.77	23.82	-13.05
			44	9.64	9.94	9.64	9.94	23.82	-13.88
		106T	53	11.28	11.67	11.28	11.67	23.82	-12.15
			54	11.74	12.17	11.74	12.17	23.82	-11.65
			56	11.03	11.26	11.03	11.26	23.82	-12.56
		242T	61	13.64	13.11	13.64	13.11	23.82	-10.71
			62	13.43	12.85	13.43	12.85	23.82	-10.97
		484T	65	13.66	14.06	13.66	14.06	23.82	-9.76
		SU	-	14.60	14.86	14.60	14.86	23.82	-8.96

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5270	26T	0	-4.06	-3.83	5.95	6.17	11.00	-4.83
			9	-3.26	-3.10	6.74	6.90	11.00	-4.10
			17	-3.72	-3.82	6.28	6.18	11.00	-4.82
		52T	37	-5.44	-5.08	4.56	4.92	11.00	-6.08
			41	-4.80	-4.79	5.20	5.21	11.00	-5.79
			44	-5.53	-5.17	4.47	4.83	11.00	-6.17
		106T	53	-7.05	-6.70	2.95	3.30	11.00	-7.70
			54	-6.65	-6.38	3.35	3.62	11.00	-7.38
			56	-7.34	-6.95	2.66	3.05	11.00	-7.95
		242T	61	-7.72	-8.76	2.28	1.24	11.00	-9.76
			62	-8.06	-8.93	1.95	1.07	11.00	-9.93
		SU	-	-10.13	-9.59	-0.13	0.41	11.00	-10.59
Mid	5310	26T	0	-3.78	-3.73	6.22	6.27	11.00	-4.73
			9	-3.26	-3.08	6.74	6.92	11.00	-4.08
			17	-3.90	-3.92	6.11	6.08	11.00	-4.92
		52T	37	-4.85	-5.30	5.15	4.70	11.00	-6.30
			41	-4.88	-5.20	5.12	4.81	11.00	-6.20
			44	-5.98	-6.01	4.03	3.99	11.00	-7.01
		106T	53	-7.13	-6.61	2.87	3.39	11.00	-7.61
			54	-6.85	-6.48	3.15	3.52	11.00	-7.48
			56	-7.65	-6.96	2.35	3.04	11.00	-7.96
		242T	61	-8.34	-8.93	1.66	1.07	11.00	-9.93
			62	-8.31	-9.11	1.69	0.90	11.00	-10.11
		SU	-	-10.16	-9.88	-0.16	0.12	11.00	-10.88

*** Calculation of PPSP result :**

Corr'd PPSP [dBm] = Meas PPSP [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.6. 802.11ax HE80 1Tx (SISO) MODE IN THE 5.3 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Mid	5290	18.20	-3.18	-3.18

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Mid	5290	23.60	23.60	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		996T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5290	26T	0	8.58	8.67	8.58	8.67	23.60	-14.93
			18	8.90	9.11	8.90	9.11	23.60	-14.49
			36	8.42	8.49	8.42	8.49	23.60	-15.11
		52T	37	10.11	10.40	10.11	10.40	23.60	-13.20
			45	10.41	10.62	10.41	10.62	23.60	-12.98
			52	9.67	9.85	9.67	9.85	23.60	-13.75
		106T	53	11.35	11.79	11.35	11.79	23.60	-11.81
			57	11.47	11.85	11.47	11.85	23.60	-11.75
			60	10.95	11.28	10.95	11.28	23.60	-12.32
		242T	61	11.63	12.08	11.63	12.08	23.60	-11.52
			62	11.79	12.24	11.79	12.24	23.60	-11.36
			64	11.35	11.64	11.35	11.64	23.60	-11.96
		484T	65	12.74	13.17	12.74	13.17	23.60	-10.43
			66	12.60	12.94	12.60	12.94	23.60	-10.66
		996T	67	13.61	13.25	13.61	13.25	23.60	-10.35
		SU	-	14.51	14.28	14.51	14.28	23.60	-9.32

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5290	26T	0	-4.07	-4.21	5.93	5.79	11.00	-5.21
			18	-3.63	-4.19	6.37	5.81	11.00	-5.19
			36	-4.07	-4.30	5.93	5.71	11.00	-5.30
		52T	37	-5.03	-5.02	4.97	4.98	11.00	-6.02
			45	-5.44	-5.38	4.57	4.62	11.00	-6.38
			52	-6.08	-5.84	3.92	4.16	11.00	-6.84
		106T	53	-7.11	-6.99	2.89	3.01	11.00	-7.99
			57	-7.18	-6.88	2.82	3.13	11.00	-7.88
			60	-7.46	-7.17	2.54	2.83	11.00	-8.17
		242T	61	-10.45	-9.99	-0.45	0.01	11.00	-10.99
			62	-10.23	-9.81	-0.23	0.19	11.00	-10.81
			64	-10.52	-10.41	-0.52	-0.41	11.00	-11.41
		484T	65	-12.19	-11.67	-2.19	-1.67	11.00	-12.67
			66	-12.09	-11.75	-2.09	-1.75	11.00	-12.75
		SU	-	-13.04	-13.50	-3.04	-3.50	11.00	-14.50

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.7. 802.11ax HE20 1Tx (SISO) MODE IN THE 5.5 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5500	18.63	-3.13	-3.13
Mid	5580	18.44	-3.13	-3.13
High	5700	18.77	-3.13	-3.13
Straddle	5720	18.67	-3.13	-3.13

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5500	23.70	23.70	11.00	11.00
Mid	5580	23.66	23.66	11.00	11.00
High	5700	23.73	23.73	11.00	11.00
Straddle	5720	23.71	23.71	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5500	26T	0	8.92	8.64	8.92	8.64	23.70	-15.06
			4	9.11	8.70	9.11	8.70	23.70	-15.00
			8	8.80	8.37	8.80	8.37	23.70	-15.33
		52T	37	10.39	10.37	10.39	10.37	23.70	-13.33
			38	10.49	10.51	10.49	10.51	23.70	-13.19
			40	10.27	10.21	10.27	10.21	23.70	-13.49
		106T	53	12.42	12.59	12.42	12.59	23.70	-11.11
			54	12.32	12.55	12.32	12.55	23.70	-11.15
		242T	61	13.34	13.73	13.34	13.73	23.70	-9.97
		SU	-	14.00	14.22	14.00	14.22	23.70	-9.48
Mid	5580	26T	0	8.98	8.33	8.98	8.33	23.66	-15.33
			4	9.10	8.40	9.10	8.40	23.66	-15.26
			8	9.09	8.18	9.09	8.18	23.66	-15.48
		52T	37	10.32	10.15	10.32	10.15	23.66	-13.51
			38	10.41	10.29	10.41	10.29	23.66	-13.37
			40	10.19	9.98	10.19	9.98	23.66	-13.68
		106T	53	12.35	12.45	12.35	12.45	23.66	-11.21
			54	12.23	12.40	12.23	12.40	23.66	-11.26
		242T	61	13.24	13.59	13.24	13.59	23.66	-10.07
		SU	-	13.88	14.02	13.88	14.02	23.66	-9.64
High	5700	26T	0	8.75	8.22	8.75	8.22	23.73	-15.51
			4	8.88	8.58	8.88	8.58	23.73	-15.15
			8	8.63	8.04	8.63	8.04	23.73	-15.69
		52T	37	10.16	10.18	10.16	10.18	23.73	-13.55
			38	10.24	10.22	10.24	10.22	23.73	-13.51
			40	10.15	9.98	10.15	9.98	23.73	-13.75
		106T	53	12.21	12.36	12.21	12.36	23.73	-11.37
			54	12.16	12.30	12.16	12.30	23.73	-11.43
		242T	61	13.15	13.52	13.15	13.52	23.73	-10.21
		SU	-	13.77	14.13	13.77	14.13	23.73	-9.60

Straddle	5720	26T	0	8.75	8.14	8.75	8.14	23.71	-15.57
			4	8.90	8.34	8.90	8.34	23.71	-15.37
		52T	37	10.24	10.08	10.24	10.08	23.71	-13.63
			38	10.26	10.22	10.26	10.22	23.71	-13.49
		106T	53	12.23	12.38	12.23	12.38	23.71	-11.33

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5500	26T	0	-4.02	-4.50	5.98	5.51	11.00	-5.50
			4	-3.89	-4.18	6.11	5.82	11.00	-5.18
			8	-4.01	-4.57	5.99	5.43	11.00	-5.57
		52T	37	-5.43	-5.71	4.57	4.29	11.00	-6.71
			38	-5.42	-5.81	4.58	4.19	11.00	-6.81
			40	-5.53	-5.50	4.47	4.50	11.00	-6.50
		106T	53	-6.45	-6.53	3.55	3.47	11.00	-7.53
			54	-6.62	-6.48	3.38	3.52	11.00	-7.48
		SU	-	-8.26	-7.89	1.74	2.11	11.00	-8.89
Mid	5580	26T	0	-4.15	-4.66	5.85	5.34	11.00	-5.66
			4	-4.07	-4.17	5.93	5.83	11.00	-5.17
			8	-4.35	-4.65	5.65	5.35	11.00	-5.65
		52T	37	-5.93	-5.83	4.07	4.17	11.00	-6.83
			38	-5.73	-5.53	4.27	4.47	11.00	-6.53
			40	-6.13	-5.91	3.87	4.09	11.00	-6.91
		106T	53	-6.90	-6.61	3.10	3.39	11.00	-7.61
			54	-7.00	-6.60	3.00	3.40	11.00	-7.60
		SU	-	-8.06	-8.24	1.94	1.76	11.00	-9.24
High	5700	26T	0	-4.35	-4.57	5.65	5.44	11.00	-5.57
			4	-4.16	-4.44	5.84	5.56	11.00	-5.44
			8	-4.38	-4.54	5.62	5.46	11.00	-5.54
		52T	37	-6.02	-6.20	3.98	3.80	11.00	-7.20
			38	-5.94	-5.83	4.06	4.18	11.00	-6.83
			40	-6.05	-6.26	3.95	3.75	11.00	-7.26
		106T	53	-6.92	-6.75	3.08	3.25	11.00	-7.75
			54	-6.95	-7.01	3.05	2.99	11.00	-8.01
		SU	-	-8.52	-8.35	1.48	1.65	11.00	-9.35
Straddle	5720	26T	0	-4.60	-4.51	5.40	5.49	11.00	-5.51
			4	-4.12	-4.32	5.88	5.68	11.00	-5.32
		52T	37	-6.04	-5.99	3.96	4.01	11.00	-6.99
			38	-5.99	-6.21	4.02	3.79	11.00	-7.21
		106T	53	-6.90	-6.96	3.10	3.04	11.00	-7.96

* Calculation of PPSP result :

Corr'd PPSP [dBm] = Meas PPSP [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.8. 802.11ax HE40 1Tx (SISO) MODE IN THE 5.5 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5510	18.70	-3.13	-3.13
Mid	5590	18.95	-3.13	-3.13
High	5670	19.11	-3.13	-3.13
Straddle	5710	19.61	-3.13	-3.13

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5510	23.72	23.72	11.00	11.00
Mid	5590	23.78	23.78	11.00	11.00
High	5670	23.81	23.81	11.00	11.00
Straddle	5710	23.92	23.92	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5510	26T	0	7.78	8.58	7.78	8.58	23.72	-15.14
			9	9.08	9.40	9.08	9.40	23.72	-14.32
			17	7.90	8.10	7.90	8.10	23.72	-15.62
		52T	37	9.75	10.26	9.75	10.26	23.72	-13.46
			41	10.60	10.94	10.60	10.94	23.72	-12.78
			44	10.58	9.90	10.58	9.90	23.72	-13.82
		106T	53	11.93	11.72	11.93	11.72	23.72	-12.00
			54	12.32	12.14	12.32	12.14	23.72	-11.58
			56	11.89	11.64	11.89	11.64	23.72	-12.08
		242T	61	13.07	12.83	13.07	12.83	23.72	-10.89
			62	13.24	12.84	13.24	12.84	23.72	-10.88
		484T	65	13.25	14.04	13.25	14.04	23.72	-9.68
		SU	-	15.26	15.12	15.26	15.12	23.72	-8.60
Mid	5590	26T	0	7.90	8.52	7.90	8.52	23.78	-15.26
			9	8.42	9.43	8.42	9.43	23.78	-14.35
			17	7.86	8.30	7.86	8.30	23.78	-15.48
		52T	37	9.71	10.06	9.71	10.06	23.78	-13.72
			41	10.46	10.89	10.46	10.89	23.78	-12.89
			44	9.42	9.88	9.42	9.88	23.78	-13.90
		106T	53	11.87	12.37	11.87	12.37	23.78	-11.41
			54	12.22	12.77	12.22	12.77	23.78	-11.01
			56	11.68	12.30	11.68	12.30	23.78	-11.48
		242T	61	13.03	13.77	13.03	13.77	23.78	-10.01
			62	13.05	13.83	13.05	13.83	23.78	-9.95
		484T	65	13.12	13.91	13.12	13.91	23.78	-9.87
		SU	-	15.02	14.93	15.02	14.93	23.78	-8.85

High	5670	26T	0	8.71	8.66	8.71	8.66	23.81	-15.15
			9	9.26	9.18	9.26	9.18	23.81	-14.63
			17	7.91	7.90	7.91	7.90	23.81	-15.91
		52T	37	9.70	10.24	9.70	10.24	23.81	-13.57
			41	10.45	10.96	10.45	10.96	23.81	-12.85
			44	9.36	9.86	9.36	9.86	23.81	-13.95
		106T	53	11.87	12.66	11.87	12.66	23.81	-11.15
			54	12.20	12.92	12.20	12.92	23.81	-10.89
			56	11.63	12.36	11.63	12.36	23.81	-11.45
		242T	61	13.03	13.92	13.03	13.92	23.81	-9.89
			62	12.98	13.82	12.98	13.82	23.81	-9.99
		484T	65	13.08	13.99	13.08	13.99	23.81	-9.82
		SU	-	14.90	14.99	14.90	14.99	23.81	-8.82
Straddle	5710	26T	0	7.88	8.50	7.88	8.50	23.92	-15.42
			9	9.25	9.36	9.25	9.36	23.92	-14.56
			37	9.67	10.03	9.67	10.03	23.92	-13.89
		52T	41	10.48	10.67	10.48	10.67	23.92	-13.25
			53	11.86	12.42	11.86	12.42	23.92	-11.50
		106T	54	12.24	12.88	12.24	12.88	23.92	-11.04
			61	13.02	13.74	13.02	13.74	23.92	-10.18
		242T	61	13.02	13.74	13.02	13.74	23.92	-10.18

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5510	26T	0	-4.15	-4.12	5.85	5.89	11.00	-5.12
			9	-3.58	-3.44	6.42	6.56	11.00	-4.44
			17	-4.69	-4.22	5.31	5.78	11.00	-5.22
		52T	37	-5.61	-5.16	4.39	4.84	11.00	-6.16
			41	-4.94	-4.78	5.06	5.22	11.00	-5.78
			44	-6.04	-5.75	3.96	4.25	11.00	-6.75
		106T	53	-6.46	-6.56	3.54	3.44	11.00	-7.56
			54	-6.20	-6.61	3.80	3.39	11.00	-7.61
			56	-6.64	-6.81	3.36	3.19	11.00	-7.81
		242T	61	-8.76	-9.00	1.25	1.01	11.00	-10.00
			62	-8.78	-8.80	1.22	1.20	11.00	-9.80
		SU	-	-9.30	-9.82	0.70	0.18	11.00	-10.82
Mid	5590	26T	0	-4.41	-4.36	5.59	5.65	11.00	-5.36
			9	-4.21	-3.31	5.79	6.70	11.00	-4.31
			17	-4.76	-4.06	5.24	5.94	11.00	-5.06
		52T	37	-5.81	-5.52	4.19	4.48	11.00	-6.52
			41	-5.48	-5.12	4.52	4.88	11.00	-6.12
			44	-6.28	-5.87	3.72	4.13	11.00	-6.87
		106T	53	-6.87	-6.10	3.13	3.90	11.00	-7.10
			54	-6.66	-5.91	3.34	4.09	11.00	-6.91
			56	-7.09	-6.29	2.91	3.71	11.00	-7.29
		242T	61	-9.24	-8.24	0.76	1.76	11.00	-9.24
			62	-9.07	-8.19	0.93	1.81	11.00	-9.19
		SU	-	-9.59	-9.93	0.41	0.07	11.00	-10.93

High	5670	26T	0	-5.25	-3.93	4.75	6.07	11.00	-4.93
			9	-3.75	-3.71	6.25	6.29	11.00	-4.71
			17	-5.13	-4.77	4.87	5.23	11.00	-5.77
		52T	37	-6.02	-5.27	3.98	4.73	11.00	-6.27
			41	-5.44	-5.08	4.56	4.92	11.00	-6.08
			44	-6.30	-5.93	3.70	4.08	11.00	-6.93
		106T	53	-6.54	-6.04	3.46	3.96	11.00	-7.04
			54	-6.51	-5.64	3.49	4.36	11.00	-6.64
			56	-7.12	-6.32	2.88	3.68	11.00	-7.32
		242T	61	-9.17	-8.33	0.83	1.67	11.00	-9.33
			62	-9.03	-8.12	0.97	1.88	11.00	-9.12
		SU	-	-9.62	-9.74	0.38	0.26	11.00	-10.74
Straddle	5710	26T	0	-4.55	-4.29	5.45	5.72	11.00	-5.29
			9	-3.55	-3.17	6.45	6.83	11.00	-4.17
		52T	37	-6.05	-5.49	3.95	4.51	11.00	-6.49
			41	-5.10	-5.38	4.90	4.62	11.00	-6.38
		106T	53	-6.81	-6.09	3.19	3.91	11.00	-7.09
			54	-6.49	-5.87	3.51	4.13	11.00	-6.87
		242T	61	-9.28	-8.42	0.72	1.58	11.00	-9.42

* Calculation of PPSD result :

Corr'd PPSD [dBm] = Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.9. 802.11ax HE80 1Tx (SISO) MODE IN THE 5.5 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5530	20.65	-3.13	-3.13
High	5610	19.66	-3.13	-3.13
Straddle	5690	21.17	-3.13	-3.13

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5530	24.00	24.00	11.00	11.00
High	5610	23.94	23.94	11.00	11.00
Straddle	5690	24.00	24.00	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		996T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5530	26T	0	8.15	8.30	8.15	8.30	24.00	-15.70
			18	8.89	8.61	8.89	8.61	24.00	-15.39
			36	7.89	8.12	7.89	8.12	24.00	-15.88
		52T	37	9.78	10.27	9.78	10.27	24.00	-13.73
			45	10.22	10.50	10.22	10.50	24.00	-13.50
			52	9.58	9.82	9.58	9.82	24.00	-14.18
		106T	53	11.07	11.67	11.07	11.67	24.00	-12.33
			57	11.48	11.89	11.48	11.89	24.00	-12.11
			60	10.90	11.33	10.90	11.33	24.00	-12.67
		242T	61	12.14	11.83	12.14	11.83	24.00	-12.17
			62	12.38	12.03	12.38	12.03	24.00	-11.97
			64	12.17	11.72	12.17	11.72	24.00	-12.28
		484T	65	12.17	12.75	12.17	12.75	24.00	-11.25
			66	12.22	12.78	12.22	12.78	24.00	-11.22
		996T	67	13.13	13.90	13.13	13.90	24.00	-10.10
		SU	-	14.24	13.93	14.24	13.93	24.00	-10.07
High	5610	26T	0	7.73	8.50	7.73	8.50	23.94	-15.44
			18	8.13	8.92	8.13	8.92	23.94	-15.02
			36	7.81	8.26	7.81	8.26	23.94	-15.68
		52T	37	9.84	10.10	9.84	10.10	23.94	-13.84
			45	10.15	10.62	10.15	10.62	23.94	-13.32
			52	9.46	9.96	9.46	9.96	23.94	-13.98
		106T	53	11.07	11.60	11.07	11.60	23.94	-12.34
			57	11.29	11.90	11.29	11.90	23.94	-12.04
			60	10.80	11.46	10.80	11.46	23.94	-12.48
		242T	61	12.13	11.80	12.13	11.80	23.94	-12.14
			62	12.30	11.93	12.30	11.93	23.94	-12.01
			64	12.08	11.87	12.08	11.87	23.94	-12.07
		484T	65	12.13	12.62	12.13	12.62	23.94	-11.32
			66	12.09	12.83	12.09	12.83	23.94	-11.11
		996T	67	13.10	13.82	13.10	13.82	23.94	-10.12
		SU	-	14.13	13.90	14.13	13.90	23.94	-10.04

Straddle	5690	26T	0	7.76	8.38	7.76	8.38	24.00	-15.62
			18	8.14	8.52	8.14	8.52	24.00	-15.48
		52T	37	9.78	10.32	9.78	10.32	24.00	-13.68
			45	10.12	10.37	10.12	10.37	24.00	-13.63
		106T	53	10.96	11.70	10.96	11.70	24.00	-12.30
			57	11.24	11.75	11.24	11.75	24.00	-12.25
		242T	61	12.11	11.90	12.11	11.90	24.00	-12.10
			62	12.23	11.96	12.23	11.96	24.00	-12.04
		484T	65	12.04	12.83	12.04	12.83	24.00	-11.17

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency	Tones	RU offset	Antenna 1 Meas PSD [dBm/MHz]	Antenna 2 Meas PSD [dBm/MHz]	Antenna 1 Corr'd PSD [dBm/MHz]	Antenna 2 Corr'd PSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
	[MHz]								
Low	5530	26T	0	-4.42	-4.30	5.58	5.70	11.00	-5.30
			18	-3.95	-4.26	6.05	5.74	11.00	-5.26
			36	-4.64	-4.32	5.36	5.68	11.00	-5.32
		52T	37	-5.44	-5.46	4.56	4.54	11.00	-6.46
			45	-5.84	-5.39	4.16	4.62	11.00	-6.39
			52	-6.02	-5.71	3.98	4.29	11.00	-6.71
		106T	53	-7.22	-6.81	2.78	3.19	11.00	-7.81
			57	-7.32	-6.92	2.68	3.08	11.00	-7.92
			60	-7.80	-6.89	2.20	3.11	11.00	-7.89
		242T	61	-9.83	-10.03	0.17	-0.03	11.00	-11.03
			62	-9.85	-10.26	0.15	-0.26	11.00	-11.26
			64	-9.84	-10.10	0.16	-0.10	11.00	-11.10
		484T	65	-12.75	-12.23	-2.75	-2.23	11.00	-13.23
			66	-12.79	-12.07	-2.79	-2.07	11.00	-13.07
		SU	-	-13.42	-13.93	-3.42	-3.93	11.00	-14.93
High	5610	26T	0	-4.81	-4.31	5.19	5.69	11.00	-5.31
			18	-4.59	-4.06	5.41	5.94	11.00	-5.06
			36	-4.84	-4.31	5.16	5.69	11.00	-5.31
		52T	37	-5.69	-5.57	4.31	4.43	11.00	-6.57
			45	-5.90	-5.17	4.10	4.83	11.00	-6.17
			52	-5.98	-5.78	4.02	4.22	11.00	-6.78
		106T	53	-7.94	-6.95	2.06	3.05	11.00	-7.95
			57	-7.70	-6.86	2.30	3.15	11.00	-7.86
			60	-7.94	-7.01	2.06	2.99	11.00	-8.01
		242T	61	-9.93	-10.15	0.07	-0.15	11.00	-11.15
			62	-10.22	-10.20	-0.22	-0.20	11.00	-11.20
			64	-9.85	-10.15	0.15	-0.15	11.00	-11.15
		484T	65	-13.01	-12.10	-3.01	-2.10	11.00	-13.10
			66	-12.74	-12.03	-2.74	-2.03	11.00	-13.03
		SU	-	-13.76	-13.93	-3.76	-3.93	11.00	-14.93
Straddle	5690	26T	0	-4.39	-4.59	5.61	5.41	11.00	-5.59
			18	-4.97	-4.56	5.03	5.44	11.00	-5.56
		52T	37	-5.79	-5.24	4.21	4.76	11.00	-6.24
			45	-5.63	-5.48	4.37	4.52	11.00	-6.48
		106T	53	-7.38	-6.89	2.62	3.11	11.00	-7.89
			57	-7.66	-6.81	2.34	3.19	11.00	-7.81
		242T	61	-9.93	-9.85	0.07	0.15	11.00	-10.85
			62	-10.08	-10.40	-0.08	-0.40	11.00	-11.40
		484T	65	-12.81	-12.24	-2.81	-2.24	11.00	-13.24

* Calculation of PSD result :

Corr'd PSD [dBm] = Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.10. 802.11ax HE20 1Tx (SISO) MODE IN THE 5.8 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Straddle	5720	-3.94	-3.94
Low	5745	-3.94	-3.94
Mid	5785	-3.94	-3.94
High	5825	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/500 kHz]	PPSD Limit [dBm/500 kHz]
Straddle	5720	30.00	30.00	30.00	30.00
Low	5745	30.00	30.00	30.00	30.00
Mid	5785	30.00	30.00	30.00	30.00
High	5825	30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Straddle	5720	26T	8	8.65	8.25	8.65	8.25	30.00	-21.75
		52T	40	10.06	10.03	10.06	10.03	30.00	-19.97
Low	5745	26T	0	8.64	8.70	8.64	8.70	30.00	-21.30
			4	8.70	8.82	8.70	8.82	30.00	-21.18
			8	8.30	8.56	8.30	8.56	30.00	-21.44
		52T	37	10.49	10.80	10.49	10.80	30.00	-19.20
			38	10.54	10.89	10.54	10.89	30.00	-19.11
			40	10.26	10.70	10.26	10.70	30.00	-19.30
		106T	53	12.52	12.77	12.52	12.77	30.00	-17.23
			54	12.36	12.70	12.36	12.70	30.00	-17.30
		242T	61	13.38	13.71	13.38	13.71	30.00	-16.29
		SU	-	16.06	16.40	16.06	16.40	30.00	-13.60
Mid	5785	26T	0	8.55	8.59	8.55	8.59	30.00	-21.41
			4	8.86	8.93	8.86	8.93	30.00	-21.07
			8	7.98	8.52	7.98	8.52	30.00	-21.48
		52T	37	10.45	10.66	10.45	10.66	30.00	-19.34
			38	10.66	10.92	10.66	10.92	30.00	-19.08
			40	10.34	10.66	10.34	10.66	30.00	-19.34
		106T	53	12.56	12.76	12.56	12.76	30.00	-17.24
			54	12.47	12.71	12.47	12.71	30.00	-17.29
		242T	61	13.48	13.76	13.48	13.76	30.00	-16.24
		SU	-	16.01	16.39	16.01	16.39	30.00	-13.61
High	5825	26T	0	8.58	8.55	8.58	8.55	30.00	-21.45
			4	8.88	8.88	8.88	8.88	30.00	-21.12
			8	8.80	8.37	8.80	8.37	30.00	-21.63
		52T	37	10.40	10.55	10.40	10.55	30.00	-19.45
			38	10.58	10.78	10.58	10.78	30.00	-19.22
			40	10.36	10.50	10.36	10.50	30.00	-19.50
		106T	53	12.50	12.65	12.50	12.65	30.00	-17.35
			54	12.42	12.63	12.42	12.63	30.00	-17.37
		242T	61	13.37	13.55	13.37	13.55	30.00	-16.45
		SU	-	15.96	16.25	15.96	16.25	30.00	-13.75

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/500kHz]	Antenna 2 Meas PPSD [dBm/500kHz]	Antenna 1 Corr'd PPSD [dBm/500kHz]	Antenna 2 Corr'd PPSD [dBm/500kHz]	PSD Limit [dBm]	PSD Margin [dB]
Straddle	5720	26T	8	-4.46	-5.01	2.53	1.98	30.00	-28.02
		52T	40	-6.27	-6.25	0.72	0.74	30.00	-29.26
Low	5745	26T	0	-4.94	-4.30	2.05	2.69	30.00	-27.31
			4	-4.67	-3.68	2.32	3.32	30.00	-26.69
			8	-4.96	-3.90	2.03	3.09	30.00	-26.91
		52T	37	-5.62	-5.20	1.37	1.79	30.00	-28.21
			38	-5.67	-5.28	1.32	1.71	30.00	-28.29
			40	-5.88	-5.54	1.11	1.45	30.00	-28.55
		106T	53	-6.29	-6.26	0.70	0.73	30.00	-29.27
			54	-6.73	-6.00	0.26	0.99	30.00	-29.01
		SU	-	-6.20	-5.92	0.79	1.07	30.00	-28.93
Mid	5785	26T	0	-4.36	-3.81	2.63	3.18	30.00	-26.82
			4	-4.00	-3.41	3.00	3.58	30.00	-26.42
			8	-4.30	-3.95	2.69	3.04	30.00	-26.96
		52T	37	-5.97	-5.28	1.02	1.71	30.00	-28.29
			38	-5.45	-5.16	1.54	1.83	30.00	-28.17
			40	-5.93	-5.40	1.06	1.59	30.00	-28.41
		106T	53	-6.73	-5.98	0.26	1.01	30.00	-28.99
			54	-6.77	-6.20	0.23	0.79	30.00	-29.21
		SU	-	-6.00	-5.95	0.99	1.04	30.00	-28.96
High	5825	26T	0	-4.29	-4.01	2.71	2.98	30.00	-27.02
			4	-4.06	-3.47	2.93	3.52	30.00	-26.48
			8	-4.62	-3.64	2.37	3.35	30.00	-26.65
		52T	37	-5.71	-5.24	1.29	1.75	30.00	-28.25
			38	-5.71	-4.89	1.28	2.10	30.00	-27.90
			40	-5.96	-5.27	1.03	1.72	30.00	-28.28
		106T	53	-6.79	-6.06	0.20	0.93	30.00	-29.07
			54	-6.52	-6.24	0.47	0.75	30.00	-29.25
		SU	-	-6.22	-5.68	0.78	1.31	30.00	-28.69

* Calculation of PPSP result :

$$\text{Corr'd PPSP [dBm]} = \text{Meas PPSP [dBm]} + \text{Duty CF [dB]} + \text{Corr'd factor [dB]}$$

10.2.11. 802.11ax HE40 1Tx (SISO) MODE IN THE 5.8 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Straddle	5710	-3.94	-3.94
Low	5755	-3.94	-3.94
High	5795	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/500 kHz]	PPSD Limit [dBm/500 kHz]
Straddle	5710	30.00	30.00	30.00	30.00
Low	5755	30.00	30.00	30.00	30.00
High	5795	30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Straddle	5710	26T	17	7.89	8.26	7.89	8.26	30.00	-21.74
		52T	44	9.40	9.81	9.40	9.81	30.00	-20.19
Low	5755	26T	0	8.50	8.32	8.50	8.32	30.00	-21.68
			9	9.40	9.19	9.40	9.19	30.00	-20.81
			17	8.32	8.03	8.32	8.03	30.00	-21.97
		52T	37	10.05	10.27	10.05	10.27	30.00	-19.73
			41	10.82	10.98	10.82	10.98	30.00	-19.02
			44	9.86	10.15	9.86	10.15	30.00	-19.85
		106T	53	12.21	12.50	12.21	12.50	30.00	-17.50
			54	12.62	12.97	12.62	12.97	30.00	-17.03
			56	12.13	12.46	12.13	12.46	30.00	-17.54
		242T	61	13.40	13.77	13.40	13.77	30.00	-16.23
			62	13.45	13.80	13.45	13.80	30.00	-16.20
		484T	65	13.50	13.84	13.50	13.84	30.00	-16.16
		SU	-	15.25	14.85	15.25	14.85	30.00	-15.15
High	5795	26T	0	7.80	7.90	7.80	7.90	30.00	-22.10
			9	9.48	9.38	9.48	9.38	30.00	-20.62
			17	7.92	7.76	7.92	7.76	30.00	-22.24
		52T	37	9.63	9.95	9.63	9.95	30.00	-20.05
			41	10.93	9.40	10.93	9.40	30.00	-20.60
			44	9.50	9.90	9.50	9.90	30.00	-20.10
		106T	53	11.93	12.29	11.93	12.29	30.00	-17.71
			54	12.68	12.98	12.68	12.98	30.00	-17.02
			56	11.89	12.31	11.89	12.31	30.00	-17.69
		242T	61	13.35	13.71	13.35	13.71	30.00	-16.29
			62	13.38	13.78	13.38	13.78	30.00	-16.22
		484T	65	13.39	13.86	13.39	13.86	30.00	-16.14
		SU	-	15.19	14.80	15.19	14.80	30.00	-15.20

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/500kHz]	Antenna 2 Meas PPSD [dBm/500kHz]	Antenna 1 Corr'd PPSD [dBm/500kHz]	Antenna 2 Corr'd PPSD [dBm/500kHz]	PSD Limit [dBm]	PSD Margin [dB]
Straddle	5710	26T	17	-4.61	-4.57	2.38	2.42	30.00	-27.58
		52T	44	-6.27	-5.58	0.72	1.41	30.00	-28.59
Low	5755	26T	0	-5.01	-3.99	1.98	3.00	30.00	-27.00
			9	-3.53	-3.42	3.46	3.57	30.00	-26.43
			17	-4.34	-4.03	2.65	2.96	30.00	-27.04
		52T	37	-5.87	-5.33	1.13	1.66	30.00	-28.34
			41	-5.09	-4.78	1.90	2.21	30.00	-27.79
			44	-5.91	-5.11	1.08	1.88	30.00	-28.12
		106T	53	-6.55	-6.10	0.44	0.89	30.00	-29.11
			54	-6.32	-5.80	0.67	1.19	30.00	-28.81
			56	-6.59	-5.72	0.40	1.27	30.00	-28.73
		242T	61	-8.74	-8.22	-1.75	-1.23	30.00	-31.23
			62	-8.48	-8.14	-1.49	-1.15	30.00	-31.15
		SU	-	-9.39	-9.99	-2.40	-3.00	30.00	-33.00
High	5795	26T	0	-4.96	-4.73	2.04	2.27	30.00	-27.74
			9	-3.33	-3.20	3.66	3.79	30.00	-26.21
			17	-4.66	-4.48	2.33	2.51	30.00	-27.49
		52T	37	-6.05	-5.51	0.95	1.48	30.00	-28.52
			41	-4.79	-6.04	2.20	0.96	30.00	-29.05
			44	-6.12	-5.42	0.88	1.57	30.00	-28.43
		106T	53	-6.68	-6.12	0.31	0.87	30.00	-29.13
			54	-6.27	-5.36	0.73	1.63	30.00	-28.37
			56	-6.87	-6.08	0.12	0.91	30.00	-29.09
		242T	61	-8.59	-7.95	-1.60	-0.96	30.00	-30.96
			62	-8.61	-7.97	-1.62	-0.98	30.00	-30.98
		SU	-	-9.48	-9.64	-2.49	-2.65	30.00	-32.65

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.12. 802.11ax HE80 1Tx (SISO) MODE IN THE 5.8 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSP [dBi]
Straddle	5690	-3.94	-3.94
Mid	5775	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSP Limit [dBm/500 kHz]	PPSP Limit [dBm/500 kHz]
Straddle	5690	30.00	30.00	30.00	30.00
Mid	5775	30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSP				
Duty Cycle CF [dB]	HE80	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		996T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Straddle	5690	26T	36	8.07	8.28	8.07	8.28	30.00	-21.72
		52T	52	9.42	9.68	9.42	9.68	30.00	-20.32
Mid	5775	26T	0	7.92	8.06	7.92	8.06	30.00	-21.94
			18	8.26	8.62	8.26	8.62	30.00	-21.38
			36	8.22	8.60	8.22	8.60	30.00	-21.40
		52T	37	9.95	10.20	9.95	10.20	30.00	-19.80
			45	10.43	10.71	10.43	10.71	30.00	-19.29
			52	9.90	10.29	9.90	10.29	30.00	-19.71
		106T	53	11.18	11.46	11.18	11.46	30.00	-18.54
			57	11.55	11.89	11.55	11.89	30.00	-18.11
			60	11.15	11.56	11.15	11.56	30.00	-18.44
		242T	61	12.35	11.68	12.35	11.68	30.00	-18.32
			62	12.67	11.95	12.67	11.95	30.00	-18.05
			64	12.50	11.90	12.50	11.90	30.00	-18.10
		484T	65	12.38	12.73	12.38	12.73	30.00	-17.27
			66	12.54	12.90	12.54	12.90	30.00	-17.10
		996T	67	13.35	13.46	13.35	13.46	30.00	-16.54
		SU	-	14.39	14.43	14.39	14.43	30.00	-15.57

* Calculation of Output Power : Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/500kHz]	Antenna 2 Meas PPSD [dBm/500kHz]	Antenna 1 Corr'd PPSD [dBm/500kHz]	Antenna 2 Corr'd PPSD [dBm/500kHz]	PSD Limit [dBm]	PSD Margin [dB]
Straddle	5690	26T	36	-4.65	-4.63	2.34	2.36	30.00	-27.64
		52T	52	-6.09	-5.76	0.90	1.24	30.00	-28.77
Mid	5775	26T	0	-5.25	-4.51	1.74	2.48	30.00	-27.52
			18	-4.80	-3.69	2.19	3.30	30.00	-26.70
			36	-4.92	-3.82	2.07	3.17	30.00	-26.83
		52T	37	-5.67	-5.34	1.32	1.65	30.00	-28.35
			45	-5.23	-4.93	1.76	2.06	30.00	-27.94
			52	-5.96	-5.24	1.03	1.75	30.00	-28.25
		106T	53	-7.58	-6.92	-0.59	0.07	30.00	-29.93
			57	-7.14	-6.40	-0.15	0.59	30.00	-29.41
			60	-7.40	-6.51	-0.41	0.48	30.00	-29.52
		242T	61	-9.67	-10.03	-2.68	-3.04	30.00	-33.04
			62	-9.62	-9.93	-2.63	-2.94	30.00	-32.94
			64	-9.50	-10.12	-2.51	-3.13	30.00	-33.13
		484T	65	-12.76	-11.90	-5.77	-4.91	30.00	-34.91
			66	-12.23	-11.59	-5.24	-4.60	30.00	-34.60
		SU	-	-13.40	-13.11	-6.41	-6.12	30.00	-36.12

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.13. 802.11ax HE20 1Tx (SISO) MODE IN THE STRADDLE CHANNEL

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
UNII-2C	5720	15.27	-3.13	-3.13
UNII-3		5.62	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5720	22.84	22.84	11.00	11.00
UNII-3		30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	106T	0.00	dB
		SU	0.00	dB

Output Power Results

Portion	Frequency	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
	[MHz]								
UNII-2C	5720	106T	54	8.58	8.95	8.58	8.95	22.84	-13.89
		SU	-	12.55	12.74	12.55	12.74	22.84	-10.10
UNII-3		106T	54	9.08	9.43	9.08	9.43	30.00	-20.58
		SU	-	7.16	7.43	7.16	7.43	30.00	-22.57

* Calculation of Output Power :

Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Band	Actual RBW	Ref. Bandwidth	Corr'd factor
UNII-2C	100 kHz	1000 kHz	10.00 dB
UNII-3	100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency	Tones	RU offset	Antenna 1 Meas PPSD	Antenna 2 Meas PPSD	Antenna 1 Corr'd PPSD	Antenna 2 Corr'd PPSD	PPSD Limit	PPSD Margin
	[MHz]			[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
UNII-2C	5720	106T	54	-6.58	-6.19	3.42	3.81	11.00	-7.19
		SU	-	-8.20	-7.61	1.80	2.39	11.00	-8.61
UNII-3*		106T	54	-7.26	-6.51	-0.27	0.49	30.00	-29.52
		SU	-	-8.66	-7.89	-1.67	-0.90	30.00	-30.90

* For UNII-3, the unit of PPSD is [dBm/500kHz].

* Calculation of PPSD result :

Corr'd PPSD [dBm] = Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.14. 802.11ax HE40 1Tx (SISO) MODE IN THE STRADDLE CHANNEL

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
UNII-2C	5710	20.14	-3.13	-3.13
UNII-3		4.81	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5710	24.00	24.00	11.00	11.00
UNII-3		30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB

Output Power Results

Portion	Frequency	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
	[MHz]								
UNII-2C	5710	106T	56	9.11	9.23	9.11	9.23	24.00	-14.77
		242T	62	12.12	12.36	12.12	12.36	24.00	-11.64
		SU	-	14.50	13.92	14.50	13.92	24.00	-10.08
UNII-3		106T	56	8.13	8.38	8.13	8.38	30.00	-21.63
		242T	62	5.48	5.96	5.48	5.96	30.00	-24.04
		SU	-	4.17	3.87	4.17	3.87	30.00	-26.13

* Calculation of Output Power :

Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Band	Actual RBW	Ref. Bandwidth	Corr'd factor
UNII-2C	100 kHz	1000 kHz	10.00 dB
UNII-3	100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PPSD Limit [dBm/MHz]	PPSD Margin [dB]
UNII-2C	5710	106T	56	-6.69	-6.57	3.31	3.43	11.00	-7.57
		242T	62	-8.85	-7.90	1.15	2.10	11.00	-8.90
		SU	-	-9.70	-10.06	0.30	-0.05	11.00	-11.06
UNII-3*		106T	56	-7.35	-6.87	-0.36	0.12	30.00	-29.88
		242T	62	-10.03	-9.07	-3.04	-2.08	30.00	-32.08
		SU	-	-10.67	-11.10	-3.68	-4.11	30.00	-34.11

* For UNII-3, the unit of PPSD is [dBm/500kHz].

* Calculation of PPSD result :

Corr'd PPSD [dBm] = Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.15. 802.11ax HE80 1Tx (SISO) MODE IN THE STRADDLE CHANNEL

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
UNII-2C	5690	22.35	-3.13	-3.13
UNII-3		5.36	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5690	24.00	24.00	11.00	11.00
UNII-3		30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Portion	Frequency	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Antenna 1 Corr'd Power [dBm]	Antenna 2 Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
	[MHz]								
UNII-2C	5690	106T	60	7.98	8.22	7.98	8.22	24.00	-15.78
		242T	64	10.98	10.56	10.98	10.56	24.00	-13.45
		484T	66	11.62	12.09	11.62	12.09	24.00	-11.91
		SU	-	13.77	13.33	13.77	13.33	24.00	-10.68
UNII-3		106T	60	7.13	7.64	7.13	7.64	30.00	-22.36
		242T	64	4.48	4.10	4.48	4.10	30.00	-25.90
		484T	66	0.91	1.53	0.91	1.53	30.00	-28.47
		SU	-	-0.68	-0.94	-0.68	-0.94	30.00	-30.94

* Calculation of Output Power :

Corr'd Power [dBm] = Meas Power [dBm] + Duty CF [dB]

Band	Actual RBW	Ref. Bandwidth	Corr'd factor
UNII-2C	100 kHz	1000 kHz	10.00 dB
UNII-3	100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Antenna 1 Corr'd PPSD [dBm/MHz]	Antenna 2 Corr'd PPSD [dBm/MHz]	PPSD Limit [dBm/MHz]	PPSD Margin [dB]
	[MHz]								
UNII-2C	5690	106T	60	-8.22	-7.16	1.79	2.84	11.00	-8.16
		242T	64	-10.07	-10.44	-0.06	-0.44	11.00	-11.44
		484T	66	-12.87	-12.29	-2.87	-2.29	11.00	-13.29
		SU	-	-13.81	-14.04	-3.81	-4.04	11.00	-15.04
UNII-3*		106T	60	-8.20	-7.48	-1.21	-0.49	30.00	-30.49
		242T	64	-10.88	-11.13	-3.89	-4.14	30.00	-34.14
		484T	66	-14.59	-13.69	-7.60	-6.70	30.00	-36.70
		SU	-	-15.66	-16.35	-8.67	-9.36	30.00	-39.36

* For UNII-3, the unit of PPSD is [dBm/500kHz].

* Calculation of PPSD result :

Corr'd PPSD [dBm] = Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.16. 802.11ax HE20 2Tx (MIMO) CDD MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5180	18.58	-2.98	-2.98
Mid	5200	18.51	-2.98	-2.98
High	5240	18.33	-2.98	-2.98

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5180	23.69	23.69	11.00	11.00
Mid	5200	23.67	23.67	11.00	11.00
High	5240	23.63	23.63	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5180	26T	0	5.05	4.30	7.70	23.69	-15.99
			4	5.45	4.81	8.15	23.69	-15.54
			8	5.38	4.70	8.06	23.69	-15.63
		52T	37	7.41	6.68	10.07	23.69	-13.62
			38	7.50	7.74	10.63	23.69	-13.06
			40	7.33	6.52	9.95	23.69	-13.74
		106T	53	8.52	7.68	11.13	23.69	-12.56
			54	8.46	7.70	11.11	23.69	-12.58
		242T	61	9.93	9.64	12.80	23.69	-10.89
		SU	-	16.20	16.06	19.14	23.69	-4.55
Mid	5200	26T	0	5.33	4.60	7.99	23.67	-15.68
			4	5.38	4.91	8.16	23.67	-15.51
			8	5.10	4.62	7.88	23.67	-15.79
		52T	37	7.26	6.67	9.99	23.67	-13.68
			38	7.40	6.85	10.14	23.67	-13.53
			40	7.26	6.74	10.02	23.67	-13.65
		106T	53	8.36	7.70	11.05	23.67	-12.62
			54	8.38	7.69	11.06	23.67	-12.61
		242T	61	9.93	9.66	12.81	23.67	-10.86
		SU	-	16.11	15.96	19.05	23.67	-4.62
High	5240	26T	0	5.26	4.66	7.98	23.63	-15.65
			4	5.40	4.82	8.13	23.63	-15.50
			8	5.16	4.71	7.95	23.63	-15.68
		52T	37	7.26	6.64	9.97	23.63	-13.66
			38	7.48	6.80	10.16	23.63	-13.47
			40	7.24	6.47	9.88	23.63	-13.75
		106T	53	8.55	7.78	11.19	23.63	-12.44
			54	8.42	7.89	11.17	23.63	-12.46
		242T	61	10.01	9.45	12.75	23.63	-10.88
		SU	-	16.06	15.89	18.99	23.63	-4.64

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5180	26T	0	-8.13	-8.55	4.68	11.00	-6.32
			4	-7.47	-7.75	5.40	11.00	-5.60
			8	-7.71	-8.04	5.14	11.00	-5.86
		52T	37	-8.39	-9.02	4.31	11.00	-6.69
			38	-8.31	-8.48	4.62	11.00	-6.38
			40	-8.33	-8.80	4.45	11.00	-6.55
		106T	53	-10.19	-10.93	2.47	11.00	-8.53
			54	-10.29	-10.89	2.43	11.00	-8.57
		SU	-	-6.06	-6.10	6.93	11.00	-4.07
Mid	5200	26T	0	-7.76	-8.52	4.89	11.00	-6.11
			4	-7.72	-8.00	5.15	11.00	-5.85
			8	-7.96	-8.07	4.99	11.00	-6.01
		52T	37	-8.84	-8.87	4.16	11.00	-6.84
			38	-8.57	-8.65	4.40	11.00	-6.60
			40	-8.66	-8.70	4.33	11.00	-6.67
		106T	53	-10.49	-10.99	2.27	11.00	-8.73
			54	-10.48	-11.14	2.21	11.00	-8.79
		SU	-	-6.18	-6.38	6.73	11.00	-4.27
High	5240	26T	0	-8.14	-8.65	4.62	11.00	-6.38
			4	-7.50	-7.98	5.28	11.00	-5.72
			8	-7.91	-8.13	4.99	11.00	-6.01
		52T	37	-8.55	-9.07	4.21	11.00	-6.79
			38	-8.28	-8.86	4.45	11.00	-6.55
			40	-8.13	-9.04	4.45	11.00	-6.55
		106T	53	-10.46	-10.76	2.40	11.00	-8.60
			54	-10.11	-10.97	2.49	11.00	-8.51
		SU	-	-6.05	-6.22	6.88	11.00	-4.12

*** Calculation of PPSD result :**

Corr'd PPSD [dBm] = Ant1 Meas PPSD [dBm] + Ant2 Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.17. 802.11ax HE40 2Tx (MIMO) CDD MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5190	19.31	-2.98	-2.98
High	5230	19.23	-2.98	-2.98

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5190	23.86	23.86	11.00	11.00
High	5230	23.84	23.84	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5190	26T	0	5.04	4.92	7.99	23.86	-15.87
			9	5.90	5.72	8.82	23.86	-15.04
			17	4.35	4.59	7.48	23.86	-16.38
		52T	37	6.20	6.26	9.24	23.86	-14.62
			41	6.84	7.02	9.94	23.86	-13.92
			44	6.02	6.10	9.07	23.86	-14.79
		106T	53	8.50	8.22	11.37	23.86	-12.49
			54	9.04	8.70	11.88	23.86	-11.98
			56	8.08	8.36	11.23	23.86	-12.63
		242T	61	10.70	10.67	13.70	23.86	-10.16
			62	10.53	10.78	13.67	23.86	-10.19
		484T	65	10.54	10.56	13.56	23.86	-10.30
		SU	-	14.77	15.26	18.03	23.86	-5.83
Mid	5230	26T	0	4.80	4.70	7.76	23.84	-16.08
			9	5.59	5.84	8.73	23.84	-15.11
			17	4.65	4.67	7.67	23.84	-16.17
		52T	37	6.16	6.05	9.12	23.84	-14.72
			41	6.84	7.02	9.94	23.84	-13.90
			44	5.80	6.16	8.99	23.84	-14.85
		106T	53	8.55	8.01	11.30	23.84	-12.54
			54	8.90	8.41	11.67	23.84	-12.17
			56	8.13	8.40	11.28	23.84	-12.56
		242T	61	10.58	10.62	13.61	23.84	-10.23
			62	10.45	10.72	13.60	23.84	-10.24
		484T	65	10.35	10.53	13.45	23.84	-10.39
		SU	-	14.76	15.03	17.91	23.84	-5.93

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power [dBm] + Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5190	26T	0	-8.20	-8.77	4.54	11.00	-6.46
			9	-7.32	-7.25	5.73	11.00	-5.27
			17	-8.02	-7.96	5.02	11.00	-5.98
		52T	37	-9.39	-9.53	3.55	11.00	-7.45
			41	-9.04	-8.84	4.07	11.00	-6.93
			44	-9.62	-9.57	3.42	11.00	-7.58
		106T	53	-10.07	-10.41	2.78	11.00	-8.22
			54	-9.60	-10.04	3.20	11.00	-7.80
			56	-10.46	-10.37	2.60	11.00	-8.40
		242T	61	-11.35	-11.40	1.64	11.00	-9.36
			62	-11.47	-11.34	1.61	11.00	-9.39
		SU	-	-10.20	-9.85	2.99	11.00	-8.01
Mid	5230	26T	0	-8.09	-8.26	4.84	11.00	-6.16
			9	-7.08	-7.16	5.89	11.00	-5.11
			17	-7.98	-8.06	4.99	11.00	-6.01
		52T	37	-9.58	-9.68	3.38	11.00	-7.62
			41	-9.09	-8.87	4.03	11.00	-6.97
			44	-9.36	-9.38	3.64	11.00	-7.36
		106T	53	-10.50	-10.59	2.47	11.00	-8.53
			54	-10.15	-10.86	2.52	11.00	-8.48
			56	-10.60	-10.48	2.47	11.00	-8.53
		242T	61	-11.60	-11.48	1.47	11.00	-9.53
			62	-11.56	-11.34	1.56	11.00	-9.44
		SU	-	-10.13	-9.77	3.06	11.00	-7.94

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Ant1 Meas PSD [dBm] + Ant2 Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.18. 802.11ax HE80 2Tx (MIMO) CDD MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Mid	5210	21.63	-2.98	-2.98

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Mid	5210	24.00	24.00	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		996T	0.09	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5210	26T	0	4.60	4.51	7.57	24.00	-16.43
			18	5.50	5.26	8.39	24.00	-15.61
			36	4.30	4.50	7.41	24.00	-16.59
		52T	37	6.65	6.16	9.42	24.00	-14.58
			45	6.68	6.60	9.65	24.00	-14.35
			52	6.55	6.05	9.32	24.00	-14.68
		106T	53	8.48	8.30	11.40	24.00	-12.60
			57	8.76	8.60	11.69	24.00	-12.31
			60	8.22	8.26	11.25	24.00	-12.75
		242T	61	8.72	8.55	11.65	24.00	-12.35
			62	8.95	8.85	11.91	24.00	-12.09
			64	8.36	8.71	11.55	24.00	-12.45
		484T	65	8.76	8.60	11.69	24.00	-12.31
			66	8.82	8.67	11.76	24.00	-12.24
		996T	67	10.38	10.51	13.55	24.00	-10.45
		SU	-	13.85	14.15	17.01	24.00	-6.99

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5210	26T	0	-7.93	-8.20	4.95	11.00	-6.05
			18	-7.61	-7.82	5.30	11.00	-5.70
			36	-8.07	-8.13	4.91	11.00	-6.09
		52T	37	-8.95	-9.74	3.68	11.00	-7.32
			45	-8.86	-9.26	3.96	11.00	-7.04
			52	-9.39	-9.64	3.50	11.00	-7.50
		106T	53	-10.32	-10.35	2.68	11.00	-8.32
			57	-10.05	-10.33	2.82	11.00	-8.18
			60	-10.59	-10.03	2.71	11.00	-8.29
		242T	61	-13.46	-13.95	-0.69	11.00	-11.69
			62	-13.35	-13.36	-0.34	11.00	-11.34
			64	-13.75	-13.37	-0.55	11.00	-11.55
		484T	65	-16.27	-16.39	-3.32	11.00	-14.32
			66	-16.44	-16.48	-3.45	11.00	-14.45
		SU	-	-14.24	-13.57	-0.88	11.00	-11.88

*** Calculation of PPCS result :**

Corr'd PPCS [dBm] = Ant1 Meas PPCS [dBm] + Ant2 Meas PPCS [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.19. 802.11ax HE20 2Tx (MIMO) CDD MODE IN THE 5.3 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5260	19.00	-3.18	-3.18
Mid	5300	18.63	-3.18	-3.18
High	5320	18.57	-3.18	-3.18

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5260	23.79	23.79	11.00	11.00
Mid	5300	23.70	23.70	11.00	11.00
High	5320	23.69	23.69	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5260	26T	0	5.32	4.66	8.01	23.79	-15.78
			4	5.55	4.70	8.16	23.79	-15.63
			8	5.26	4.65	7.98	23.79	-15.81
		52T	37	7.68	7.01	10.37	23.79	-13.42
			38	7.78	7.06	10.45	23.79	-13.34
			40	7.58	6.86	10.25	23.79	-13.54
		106T	53	9.97	8.87	12.47	23.79	-11.32
			54	9.98	8.88	12.48	23.79	-11.31
		242T	61	10.58	10.64	13.62	23.79	-10.17
		SU	-	14.16	13.66	16.93	23.79	-6.86
Mid	5300	26T	0	5.55	4.70	8.16	23.70	-15.54
			4	5.88	5.12	8.53	23.70	-15.17
			8	5.52	4.90	8.23	23.70	-15.47
		52T	37	7.90	6.77	10.38	23.70	-13.32
			38	7.84	7.02	10.46	23.70	-13.24
			40	7.82	6.86	10.38	23.70	-13.32
		106T	53	9.95	8.57	12.32	23.70	-11.38
			54	9.93	8.60	12.33	23.70	-11.37
		242T	61	10.85	10.43	13.66	23.70	-10.04
		SU	-	14.10	13.46	16.80	23.70	-6.90
High	5320	26T	0	5.40	4.69	8.07	23.69	-15.62
			4	5.70	4.79	8.28	23.69	-15.41
			8	5.26	4.68	7.99	23.69	-15.70
		52T	37	7.02	6.30	9.69	23.69	-14.00
			38	7.90	6.83	10.41	23.69	-13.28
			40	7.52	6.50	10.05	23.69	-13.64
		106T	53	9.32	9.08	12.21	23.69	-11.48
			54	9.35	9.01	12.19	23.69	-11.50
		242T	61	10.90	10.53	13.73	23.69	-9.96
		SU	-	14.02	13.42	16.74	23.69	-6.95

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5260	26T	0	-7.60	-8.29	5.08	11.00	-5.92
			4	-6.84	-8.03	5.62	11.00	-5.38
			8	-7.36	-8.33	5.19	11.00	-5.81
		52T	37	-8.13	-8.88	4.52	11.00	-6.48
			38	-7.78	-8.79	4.75	11.00	-6.25
			40	-8.01	-8.96	4.56	11.00	-6.44
		106T	53	-8.52	-9.47	4.05	11.00	-6.95
			54	-8.53	-9.61	3.97	11.00	-7.03
		SU	-	-7.84	-8.30	4.94	11.00	-6.06
Mid	5300	26T	0	-7.40	-8.25	5.20	11.00	-5.80
			4	-7.00	-7.72	5.67	11.00	-5.33
			8	-7.31	-8.15	5.30	11.00	-5.70
		52T	37	-7.55	-9.30	4.67	11.00	-6.33
			38	-7.81	-8.86	4.71	11.00	-6.29
			40	-7.83	-9.18	4.56	11.00	-6.44
		106T	53	-8.58	-9.85	3.84	11.00	-7.16
			54	-8.72	-10.10	3.66	11.00	-7.34
		SU	-	-8.02	-8.50	4.76	11.00	-6.24
High	5320	26T	0	-7.65	-8.86	4.80	11.00	-6.20
			4	-7.28	-8.23	5.28	11.00	-5.72
			8	-7.59	-8.45	5.01	11.00	-5.99
		52T	37	-8.08	-9.46	4.29	11.00	-6.71
			38	-8.12	-9.27	4.35	11.00	-6.65
			40	-8.09	-9.48	4.28	11.00	-6.72
		106T	53	-8.82	-10.16	3.57	11.00	-7.43
			54	-8.75	-10.12	3.63	11.00	-7.37
		SU	-	-7.83	-8.74	4.75	11.00	-6.25

*** Calculation of PPSD result :**

Corr'd PPSD [dBm] = Ant1 Meas PPSD [dBm] + Ant2 Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.20. 802.11ax HE40 2Tx (MIMO) CDD MODE IN THE 5.3 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5270	19.85	-3.18	-3.18
High	5310	19.13	-3.18	-3.18

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5270	23.98	23.98	11.00	11.00
High	5310	23.82	23.82	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5270	26T	0	4.80	5.24	8.04	23.98	-15.94
			9	6.04	6.13	9.10	23.98	-14.88
			17	4.79	4.83	7.82	23.98	-16.16
		52T	37	6.22	6.48	9.36	23.98	-14.62
			41	7.52	7.23	10.39	23.98	-13.59
			44	6.42	6.20	9.32	23.98	-14.66
		106T	53	8.48	8.84	11.67	23.98	-12.31
			54	8.86	9.32	12.11	23.98	-11.87
			56	8.26	8.81	11.55	23.98	-12.43
		242T	61	10.45	10.79	13.63	23.98	-10.35
			62	10.30	10.67	13.50	23.98	-10.48
		484T	65	10.23	10.51	13.38	23.98	-10.60
		SU	-	14.54	14.92	17.74	23.98	-6.24
Mid	5310	26T	0	4.91	5.01	7.97	23.82	-15.85
			9	5.70	5.73	8.73	23.82	-15.09
			17	4.52	4.53	7.54	23.82	-16.28
		52T	37	6.05	6.42	9.25	23.82	-14.57
			41	6.82	7.04	9.94	23.82	-13.88
			44	5.98	6.30	9.15	23.82	-14.67
		106T	53	8.60	9.01	11.82	23.82	-12.00
			54	9.23	9.42	12.34	23.82	-11.48
			56	8.30	8.71	11.52	23.82	-12.30
		242T	61	10.39	10.64	13.53	23.82	-10.29
			62	10.19	10.43	13.32	23.82	-10.50
		484T	65	10.10	10.34	13.23	23.82	-10.59
		SU	-	14.46	14.80	17.64	23.82	-6.18

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5270	26T	0	-7.67	-7.67	5.34	11.00	-5.66
			9	-6.43	-6.36	6.62	11.00	-4.38
			17	-7.49	-7.58	5.48	11.00	-5.52
		52T	37	-8.68	-8.96	4.19	11.00	-6.81
			41	-7.67	-8.51	4.94	11.00	-6.06
			44	-9.01	-9.22	3.90	11.00	-7.10
		106T	53	-9.70	-9.61	3.36	11.00	-7.64
			54	-9.74	-9.33	3.48	11.00	-7.52
			56	-9.74	-9.73	3.28	11.00	-7.72
		242T	61	-11.44	-11.27	1.66	11.00	-9.34
			62	-11.23	-11.29	1.75	11.00	-9.25
		SU	-	-9.84	-9.47	3.36	11.00	-7.64
Mid	5310	26T	0	-7.43	-7.72	5.44	11.00	-5.56
			9	-6.91	-7.05	6.03	11.00	-4.97
			17	-8.07	-7.48	5.25	11.00	-5.75
		52T	37	-8.72	-9.05	4.13	11.00	-6.87
			41	-8.54	-8.56	4.46	11.00	-6.54
			44	-9.27	-9.78	3.50	11.00	-7.50
		106T	53	-9.99	-10.09	2.97	11.00	-8.03
			54	-9.67	-9.60	3.37	11.00	-7.63
			56	-10.24	-9.86	2.97	11.00	-8.03
		242T	61	-11.61	-11.59	1.41	11.00	-9.59
			62	-11.49	-11.70	1.42	11.00	-9.58
		SU	-	-10.23	-9.87	2.97	11.00	-8.03

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Ant1 Meas PSD [dBm] + Ant2 Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.21. 802.11ax HE80 2Tx (MIMO) CDD MODE IN THE 5.3 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Mid	5290	18.20	-3.18	-3.18

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Mid	5290	23.60	23.60	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		996T	0.09	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5290	26T	0	5.01	5.33	8.18	23.60	-15.42
			18	5.32	5.40	8.37	23.60	-15.23
			36	4.64	4.91	7.79	23.60	-15.81
		52T	37	6.52	6.61	9.58	23.60	-14.02
			45	6.50	7.01	9.77	23.60	-13.83
			52	6.11	6.13	9.13	23.60	-14.47
		106T	53	8.50	8.76	11.64	23.60	-11.96
			57	8.53	8.86	11.71	23.60	-11.89
			60	8.22	8.24	11.24	23.60	-12.36
		242T	61	8.42	9.01	11.74	23.60	-11.86
			62	8.92	9.24	12.09	23.60	-11.51
			64	8.36	8.80	11.60	23.60	-12.00
		484T	65	8.86	9.18	12.03	23.60	-11.57
			66	8.62	8.67	11.66	23.60	-11.94
		996T	67	10.01	10.74	13.49	23.60	-10.11
		SU	-	13.56	14.31	16.96	23.60	-6.64

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5290	26T	0	-7.76	-7.49	5.39	11.00	-5.61
			18	-7.29	-6.87	5.94	11.00	-5.06
			36	-7.74	-7.36	5.46	11.00	-5.54
		52T	37	-8.42	-8.75	4.43	11.00	-6.57
			45	-9.31	-8.74	3.99	11.00	-7.01
			52	-9.12	-9.33	3.79	11.00	-7.21
		106T	53	-10.13	-9.92	2.99	11.00	-8.01
			57	-9.75	-9.80	3.23	11.00	-7.77
			60	-10.21	-9.79	3.02	11.00	-7.98
		242T	61	-13.11	-13.10	-0.09	11.00	-11.09
			62	-12.89	-12.94	0.10	11.00	-10.90
			64	-13.38	-13.21	-0.28	11.00	-11.28
		484T	65	-15.91	-15.85	-2.87	11.00	-13.87
			66	-16.05	-15.87	-2.95	11.00	-13.95
		SU	-	-14.14	-13.63	-0.87	11.00	-11.87

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Ant1 Meas PSD [dBm] + Ant2 Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.22. 802.11ax HE20 2Tx (MIMO) CDD MODE IN THE 5.5 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5500	18.63	-3.13	-3.13
Mid	5580	18.44	-3.13	-3.13
High	5700	18.77	-3.13	-3.13
Straddle	5720	18.67	-3.13	-3.13

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5500	23.70	23.70	11.00	11.00
Mid	5580	23.66	23.66	11.00	11.00
High	5700	23.73	23.73	11.00	11.00
Straddle	5720	23.71	23.71	11.00	11.00

Included in Calculations of Corr'd Power & PPSD					
Duty Cycle CF [dB]	HE20	26T	0.00	dB	
		52T	0.00	dB	
		106T	0.00	dB	
		242T	0.00	dB	
		SU	0.00	dB	

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5500	26T	0	5.04	5.50	8.29	23.70	-15.41
			4	5.26	5.82	8.56	23.70	-15.14
			8	4.98	5.51	8.26	23.70	-15.44
		52T	37	7.05	7.52	10.30	23.70	-13.40
			38	7.76	7.71	10.75	23.70	-12.95
			40	7.56	7.58	10.58	23.70	-13.12
		106T	53	8.52	8.54	11.54	23.70	-12.16
			54	8.55	8.46	11.52	23.70	-12.18
		242T	61	10.34	10.45	13.41	23.70	-10.29
		SU	-	13.91	14.17	17.05	23.70	-6.65
Mid	5580	26T	0	5.19	5.22	8.22	23.66	-15.44
			4	5.30	5.61	8.47	23.66	-15.19
			8	5.11	5.22	8.18	23.66	-15.48
		52T	37	7.22	7.43	10.34	23.66	-13.32
			38	7.46	7.48	10.48	23.66	-13.18
			40	7.05	7.16	10.12	23.66	-13.54
		106T	53	8.40	8.42	11.42	23.66	-12.24
			54	8.35	8.20	11.29	23.66	-12.37
		242T	61	10.25	10.14	13.21	23.66	-10.45
		SU	-	13.80	13.85	16.84	23.66	-6.82

High	5700	26T	0	5.32	5.31	8.33	23.73	-15.40
			4	5.50	5.61	8.57	23.73	-15.16
			8	5.16	5.32	8.25	23.73	-15.48
		52T	37	7.42	7.51	10.48	23.73	-13.25
			38	7.54	7.76	10.66	23.73	-13.07
			40	7.36	7.32	10.35	23.73	-13.38
		106T	53	8.40	8.44	11.43	23.73	-12.30
			54	8.42	8.43	11.44	23.73	-12.29
		242T	61	10.06	10.15	13.12	23.73	-10.61
		SU	-	13.68	13.84	16.77	23.73	-6.96
Straddle	5720	26T	0	5.36	5.44	8.41	23.71	-15.30
			4	5.26	5.72	8.51	23.71	-15.20
		52T	37	7.16	7.52	10.35	23.71	-13.36
			38	7.28	7.66	10.48	23.71	-13.23
		106T	53	8.32	8.49	11.42	23.71	-12.29

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5500	26T	0	-7.93	-8.00	5.04	11.00	-5.96
			4	-7.60	-7.34	5.54	11.00	-5.46
			8	-7.94	-7.69	5.20	11.00	-5.80
		52T	37	-8.62	-8.14	4.64	11.00	-6.36
			38	-8.26	-8.25	4.76	11.00	-6.24
			40	-8.65	-8.66	4.36	11.00	-6.64
		106T	53	-10.16	-10.46	2.70	11.00	-8.30
			54	-10.21	-10.24	2.79	11.00	-8.21
		SU	-	-8.15	-7.66	5.11	11.00	-5.89
Mid	5580	26T	0	-8.44	-8.06	4.77	11.00	-6.23
			4	-8.21	-7.31	5.28	11.00	-5.72
			8	-8.41	-8.18	4.72	11.00	-6.28
		52T	37	-8.84	-8.33	4.43	11.00	-6.57
			38	-8.43	-8.14	4.73	11.00	-6.27
			40	-9.05	-8.88	4.05	11.00	-6.95
		106T	53	-10.81	-10.62	2.30	11.00	-8.70
			54	-11.00	-10.49	2.27	11.00	-8.73
		SU	-	-8.51	-7.94	4.80	11.00	-6.20

High	5700	26T	0	-8.13	-8.14	4.88	11.00	-6.12
			4	-7.55	-7.77	5.35	11.00	-5.65
			8	-7.77	-8.19	5.03	11.00	-5.97
		52T	37	-8.65	-8.85	4.26	11.00	-6.74
			38	-8.47	-8.54	4.50	11.00	-6.50
			40	-8.65	-8.68	4.35	11.00	-6.65
		106T	53	-10.43	-10.69	2.45	11.00	-8.55
			54	-10.74	-10.90	2.19	11.00	-8.81
		SU	-	-8.43	-8.48	4.56	11.00	-6.44
Straddle	5720	26T	0	-8.47	-7.84	4.87	11.00	-6.13
			4	-7.82	-7.70	5.25	11.00	-5.75
		52T	37	-8.82	-8.85	4.17	11.00	-6.83
			38	-8.67	-8.70	4.32	11.00	-6.68
		106T	53	-10.51	-10.83	2.35	11.00	-8.65

*** Calculation of PPSD result :**

Corr'd PPSD [dBm] = Ant1 Meas PPSD [dBm] + Ant2 Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.23. 802.11ax HE40 2Tx (MIMO) CDD MODE IN THE 5.5 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5510	18.70	-3.13	-3.13
Mid	5590	18.95	-3.13	-3.13
High	5670	19.11	-3.13	-3.13
Straddle	5710	19.61	-3.13	-3.13

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5510	23.72	23.72	11.00	11.00
Mid	5590	23.78	23.78	11.00	11.00
High	5670	23.81	23.81	11.00	11.00
Straddle	5710	23.92	23.92	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5510	26T	0	4.32	4.55	7.45	23.72	-16.27
			9	5.70	5.81	8.77	23.72	-14.95
			17	4.42	4.68	7.56	23.72	-16.16
		52T	37	5.90	6.14	9.03	23.72	-14.69
			41	6.50	6.89	9.71	23.72	-14.01
			44	5.80	6.11	8.97	23.72	-14.75
		106T	53	8.11	8.21	11.17	23.72	-12.55
			54	8.50	8.61	11.57	23.72	-12.15
			56	8.26	8.01	11.15	23.72	-12.57
		242T	61	10.10	10.67	13.40	23.72	-10.32
			62	10.19	10.64	13.43	23.72	-10.29
		484T	65	10.07	10.54	13.32	23.72	-10.40
		SU	-	14.19	15.12	17.69	23.72	-6.03
Mid	5590	26T	0	4.38	4.80	7.61	23.78	-16.17
			9	5.55	6.02	8.80	23.78	-14.98
			17	4.42	4.73	7.59	23.78	-16.19
		52T	37	6.70	6.94	9.83	23.78	-13.95
			41	7.49	7.81	10.66	23.78	-13.12
			44	6.42	6.91	9.68	23.78	-14.10
		106T	53	8.10	8.16	11.14	23.78	-12.64
			54	8.42	8.80	11.62	23.78	-12.16
			56	8.26	8.01	11.15	23.78	-12.63
		242T	61	10.01	10.44	13.24	23.78	-10.54
			62	10.05	10.67	13.38	23.78	-10.40
		484T	65	9.95	10.37	13.18	23.78	-10.60
		SU	-	14.13	14.98	17.59	23.78	-6.19

High	5670	26T	0	4.55	5.03	7.81	23.81	-16.00
			9	5.51	5.86	8.70	23.81	-15.11
			17	4.38	4.60	7.50	23.81	-16.31
		52T	37	6.60	7.12	9.88	23.81	-13.93
			41	7.55	7.81	10.69	23.81	-13.12
			44	6.36	6.90	9.65	23.81	-14.16
		106T	53	7.65	8.23	10.96	23.81	-12.85
			54	8.40	8.41	11.42	23.81	-12.39
			56	8.12	8.42	11.28	23.81	-12.53
		242T	61	9.95	10.43	13.21	23.81	-10.60
			62	9.96	10.44	13.22	23.81	-10.59
		484T	65	9.92	10.26	13.10	23.81	-10.71
		SU	-	14.01	14.86	17.47	23.81	-6.34
Straddle	5710	26T	0	4.53	4.90	7.73	23.92	-16.19
			9	5.61	5.76	8.70	23.92	-15.22
		52T	37	6.82	7.21	10.03	23.92	-13.89
			41	7.42	7.70	10.57	23.92	-13.35
			53	8.01	8.08	11.06	23.92	-12.86
		106T	54	8.42	8.46	11.45	23.92	-12.47
			61	10.01	10.34	13.19	23.92	-10.73
		242T	61	10.01	10.34	13.19	23.92	-10.73

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5510	26T	0	-8.36	-7.74	4.97	11.00	-6.03
			9	-7.06	-6.85	6.06	11.00	-4.94
			17	-7.81	-7.91	5.15	11.00	-5.85
		52T	37	-9.90	-9.60	3.27	11.00	-7.73
			41	-9.33	-8.99	3.86	11.00	-7.14
			44	-10.01	-9.50	3.26	11.00	-7.74
		106T	53	-10.11	-10.39	2.76	11.00	-8.24
			54	-9.65	-9.75	3.32	11.00	-7.68
			56	-10.32	-10.73	2.49	11.00	-8.51
		242T	61	-11.93	-11.48	1.31	11.00	-9.69
			62	-11.46	-11.13	1.72	11.00	-9.28
		SU	-	-10.60	-9.87	2.79	11.00	-8.21
Mid	5590	26T	0	-8.25	-8.38	4.70	11.00	-6.30
			9	-7.54	-6.82	5.84	11.00	-5.16
			17	-8.40	-7.77	4.94	11.00	-6.06
		52T	37	-9.01	-8.04	4.52	11.00	-6.48
			41	-8.40	-7.50	5.09	11.00	-5.91
			44	-9.37	-8.61	4.04	11.00	-6.96
		106T	53	-10.62	-10.41	2.50	11.00	-8.50
			54	-10.29	-9.84	2.95	11.00	-8.05
			56	-10.46	-10.39	2.59	11.00	-8.41
		242T	61	-12.07	-11.57	1.20	11.00	-9.80
			62	-11.95	-11.23	1.44	11.00	-9.56
		SU	-	-10.78	-9.75	2.78	11.00	-8.22

High	5670	26T	0	-8.19	-8.07	4.88	11.00	-6.12
			9	-7.53	-7.36	5.57	11.00	-5.43
			17	-8.23	-7.89	4.95	11.00	-6.05
		52T	37	-9.12	-8.70	4.10	11.00	-6.90
			41	-8.78	-8.37	4.44	11.00	-6.56
			44	-8.83	-9.09	4.05	11.00	-6.95
		106T	53	-10.94	-11.04	2.02	11.00	-8.98
			54	-10.69	-10.94	2.19	11.00	-8.81
			56	-10.82	-10.71	2.25	11.00	-8.75
		242T	61	-11.84	-11.84	1.17	11.00	-9.83
			62	-12.04	-11.70	1.15	11.00	-9.85
		SU	-	-10.96	-10.11	2.50	11.00	-8.50
Straddle	5710	26T	0	-7.99	-8.19	4.92	11.00	-6.08
			9	-7.35	-7.22	5.72	11.00	-5.28
		52T	37	-9.36	-8.84	3.92	11.00	-7.08
			41	-8.42	-8.24	4.68	11.00	-6.32
		106T	53	-11.09	-11.13	1.90	11.00	-9.10
			54	-10.57	-10.33	2.56	11.00	-8.44
		242T	61	-12.10	-11.64	1.15	11.00	-9.85

*** Calculation of PPSD result :**

Corr'd PPSD [dBm] = Ant1 Meas PPSD [dBm] + Ant2 Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.24. 802.11ax HE80 2Tx (MIMO) CDD MODE IN THE 5.5 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Low	5530	20.65	-3.13	-3.13
High	5610	19.66	-3.13	-3.13
Straddle	5690	21.17	-3.13	-3.13

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5530	24.00	24.00	11.00	11.00
High	5610	23.94	23.94	11.00	11.00
Straddle	5690	24.00	24.00	11.00	11.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		996T	0.09	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5530	26T	0	4.43	4.86	7.66	24.00	-16.34
			18	5.03	5.22	8.14	24.00	-15.86
			36	4.48	4.82	7.66	24.00	-16.34
		52T	37	7.04	7.18	10.12	24.00	-13.88
			45	7.36	7.31	10.35	24.00	-13.65
			52	6.82	7.01	9.93	24.00	-14.07
		106T	53	7.92	8.51	11.24	24.00	-12.76
			57	8.30	8.58	11.45	24.00	-12.55
			60	8.02	8.04	11.04	24.00	-12.96
		242T	61	8.31	8.02	11.18	24.00	-12.82
			62	8.61	8.93	11.78	24.00	-12.22
			64	8.52	8.48	11.51	24.00	-12.49
		484T	65	9.93	10.48	13.22	24.00	-10.78
			66	10.03	10.47	13.27	24.00	-10.73
		996T	67	9.87	10.35	13.22	24.00	-10.78
		SU	-	13.07	13.94	16.54	24.00	-7.46

High	5610	26T	0	4.72	4.85	7.80	23.94	-16.14
			18	4.52	5.33	7.95	23.94	-15.99
			36	4.40	4.87	7.65	23.94	-16.29
		52T	37	6.71	6.92	9.83	23.94	-14.11
			45	6.96	7.52	10.26	23.94	-13.68
			52	7.02	6.61	9.83	23.94	-14.11
		106T	53	7.92	7.84	10.89	23.94	-13.05
			57	8.51	8.36	11.45	23.94	-12.49
			60	7.92	8.25	11.10	23.94	-12.84
		242T	61	8.03	8.01	11.03	23.94	-12.91
			62	8.52	8.22	11.38	23.94	-12.56
			64	8.43	8.66	11.56	23.94	-12.38
		484T	65	9.93	10.39	13.18	23.94	-10.76
			66	9.88	10.48	13.20	23.94	-10.74
Straddle	5690	996T	67	9.81	10.32	13.17	23.94	-10.77
		SU	-	14.06	14.92	17.52	23.94	-6.42
		26T	0	5.62	5.90	8.77	24.00	-15.23
			18	5.68	6.01	8.86	24.00	-15.14
		52T	37	6.76	7.12	9.95	24.00	-14.05
			45	7.03	7.36	10.21	24.00	-13.79
		106T	53	8.20	8.51	11.37	24.00	-12.63
			57	8.38	8.37	11.39	24.00	-12.61
		242T	61	8.06	8.38	11.23	24.00	-12.77
			62	8.33	8.74	11.55	24.00	-12.45
		484T	65	9.86	10.31	13.10	24.00	-10.90

* **Calculation of Output Power** : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PSD Limit [dBm]	PSD Margin [dB]
Low	5530	26T	0	-7.91	-8.03	5.04	11.00	-5.96
			18	-7.81	-7.45	5.39	11.00	-5.61
			36	-8.34	-7.73	4.99	11.00	-6.01
		52T	37	-8.26	-8.54	4.61	11.00	-6.39
			45	-8.33	-8.38	4.66	11.00	-6.34
			52	-8.79	-8.34	4.46	11.00	-6.54
		106T	53	-11.00	-9.97	2.56	11.00	-8.44
			57	-10.63	-10.62	2.39	11.00	-8.61
			60	-10.80	-10.53	2.35	11.00	-8.65
		242T	61	-13.64	-12.98	-0.29	11.00	-11.29
			62	-13.81	-13.20	-0.49	11.00	-11.49
			64	-13.55	-13.54	-0.53	11.00	-11.53
		484T	65	-14.97	-14.27	-1.60	11.00	-12.60
			66	-14.74	-14.25	-1.48	11.00	-12.48
		SU	-	-14.77	-13.93	-1.32	11.00	-12.32

High	5610	26T	0	-8.24	-7.99	4.90	11.00	-6.10
			18	-8.08	-7.94	5.01	11.00	-5.99
			36	-8.33	-8.13	4.78	11.00	-6.22
		52T	37	-9.25	-8.30	4.26	11.00	-6.74
			45	-9.48	-8.25	4.19	11.00	-6.81
			52	-8.84	-8.41	4.39	11.00	-6.61
		106T	53	-10.78	-10.17	2.55	11.00	-8.45
			57	-11.14	-10.08	2.43	11.00	-8.57
			60	-10.94	-10.40	2.35	11.00	-8.65
		242T	61	-13.80	-13.64	-0.71	11.00	-11.71
			62	-13.66	-13.22	-0.42	11.00	-11.42
			64	-13.72	-13.10	-0.39	11.00	-11.39
		484T	65	-15.30	-14.56	-1.90	11.00	-12.90
			66	-14.69	-14.16	-1.41	11.00	-12.41
		SU	-	-13.80	-12.72	-0.22	11.00	-11.22
Straddle	5690	26T	0	-7.04	-6.74	6.12	11.00	-4.88
			18	-7.56	-6.52	6.01	11.00	-4.99
		52T	37	-8.77	-8.78	4.24	11.00	-6.76
			45	-9.03	-8.40	4.31	11.00	-6.69
		106T	53	-10.82	-10.68	2.26	11.00	-8.74
			57	-10.51	-9.98	2.78	11.00	-8.22
		242T	61	-14.03	-13.17	-0.57	11.00	-11.57
			62	-13.99	-13.12	-0.52	11.00	-11.52
		484T	65	-15.20	-14.66	-1.91	11.00	-12.91

*** Calculation of PPSD result :**

Corr'd PPSD [dBm] = Ant1 Meas PPSD [dBm] + Ant2 Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.25. 802.11ax HE20 2Tx (MIMO) CDD MODE IN THE 5.8 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Straddle	5720	-3.94	-3.94
Low	5745	-3.94	-3.94
Mid	5785	-3.94	-3.94
High	5825	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/500 kHz]	PPSD Limit [dBm/500 kHz]
Straddle	5720	30.00	30.00	30.00	30.00
Low	5745	30.00	30.00	30.00	30.00
Mid	5785	30.00	30.00	30.00	30.00
High	5825	30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Straddle	5720	26T	8	4.70	5.32	8.03	30.00	-21.97
		52T	40	6.98	7.35	10.18	30.00	-19.82
Low	5745	26T	0	5.56	5.82	8.70	30.00	-21.30
			4	5.68	6.01	8.86	30.00	-21.14
			8	5.35	5.68	8.53	30.00	-21.47
		52T	37	7.16	7.90	10.56	30.00	-19.44
			38	7.19	7.92	10.58	30.00	-19.42
			40	7.01	7.72	10.39	30.00	-19.61
		106T	53	8.32	8.84	11.60	30.00	-18.40
			54	8.46	8.80	11.64	30.00	-18.36
		242T	61	10.28	10.90	13.61	30.00	-16.39
		SU	-	15.88	16.36	19.14	30.00	-10.86
Mid	5785	26T	0	5.30	6.00	8.67	30.00	-21.33
			4	5.61	6.04	8.84	30.00	-21.16
			8	5.24	5.70	8.49	30.00	-21.51
		52T	37	7.16	7.69	10.44	30.00	-19.56
			38	7.18	7.97	10.60	30.00	-19.40
			40	7.21	7.66	10.45	30.00	-19.55
		106T	53	8.38	8.72	11.56	30.00	-18.44
			54	8.26	8.48	11.38	30.00	-18.62
		242T	61	10.34	10.76	13.57	30.00	-16.43
		SU	-	15.84	16.24	19.05	30.00	-10.95

High	5825	26T	0	5.57	5.68	8.64	30.00	-21.36
			4	5.97	6.08	9.04	30.00	-20.96
			8	5.26	5.70	8.50	30.00	-21.50
		52T	37	7.04	7.62	10.35	30.00	-19.65
			38	7.26	7.84	10.57	30.00	-19.43
			40	7.05	7.87	10.49	30.00	-19.51
		106T	53	8.40	8.61	11.52	30.00	-18.48
			54	8.42	8.62	11.53	30.00	-18.47
		242T	61	10.23	10.74	13.50	30.00	-16.50
		SU	-	15.86	16.17	19.03	30.00	-10.97

* **Calculation of Output Power** : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/500kHz]	Antenna 2 Meas PPSD [dBm/500kHz]	Total Corr'd PPSD [dBm/500kHz]	PSD Limit [dBm]	PSD Margin [dB]
Straddle	5720	26T	8	-8.07	-8.43	1.75	30.00	-28.25
		52T	40	-8.92	-8.75	1.17	30.00	-28.83
Low	5745	26T	0	-8.41	-7.85	1.88	30.00	-28.12
			4	-7.73	-7.10	2.60	30.00	-27.40
			8	-7.91	-7.77	2.16	30.00	-27.84
		52T	37	-9.08	-8.22	1.37	30.00	-28.63
			38	-8.31	-8.16	1.76	30.00	-28.24
			40	-9.19	-8.19	1.34	30.00	-28.66
		106T	53	-10.65	-10.10	-0.36	30.00	-30.36
			54	-10.64	-10.30	-0.47	30.00	-30.47
		SU	-	-6.28	-5.88	3.92	30.00	-26.08
Mid	5785	26T	0	-7.91	-7.99	2.05	30.00	-27.95
			4	-7.42	-7.16	2.72	30.00	-27.28
			8	-7.52	-7.41	2.53	30.00	-27.47
		52T	37	-8.48	-8.49	1.52	30.00	-28.48
			38	-8.35	-8.10	1.78	30.00	-28.22
			40	-8.70	-8.19	1.56	30.00	-28.44
		106T	53	-10.49	-9.93	-0.20	30.00	-30.20
			54	-10.11	-9.92	-0.01	30.00	-30.01
		SU	-	-6.23	-5.52	4.14	30.00	-25.86
High	5825	26T	0	-7.87	-7.67	2.23	30.00	-27.77
			4	-7.21	-6.97	2.91	30.00	-27.09
			8	-7.64	-7.27	2.55	30.00	-27.45
		52T	37	-8.25	-8.04	1.86	30.00	-28.14
			38	-8.27	-8.07	1.83	30.00	-28.17
			40	-8.28	-8.03	1.85	30.00	-28.15
		106T	53	-10.50	-10.14	-0.32	30.00	-30.32
			54	-10.48	-10.27	-0.38	30.00	-30.38
		SU	-	-6.27	-5.20	4.30	30.00	-25.70

* **Calculation of PSD result** :

Corr'd PSD [dBm] = Ant1 Meas PSD [dBm] + Ant2 Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.26. 802.11ax HE40 2Tx (MIMO) CDD MODE IN THE 5.8 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Straddle	5710	-3.94	-3.94
Low	5755	-3.94	-3.94
High	5795	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/500 kHz]	PPSD Limit [dBm/500 kHz]
Straddle	5710	30.00	30.00	30.00	30.00
Low	5755	30.00	30.00	30.00	30.00
High	5795	30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Straddle	5710	26T	17	4.40	4.82	7.63	30.00	-22.37
		52T	44	6.51	6.82	9.68	30.00	-20.32
Low	5755	26T	0	4.90	5.04	7.98	30.00	-22.02
			9	5.88	6.06	8.98	30.00	-21.02
			17	4.62	4.70	7.67	30.00	-22.33
		52T	37	7.22	7.01	10.13	30.00	-19.87
			41	7.92	7.76	10.85	30.00	-19.15
			44	7.30	7.01	10.17	30.00	-19.83
		106T	53	8.13	8.12	11.14	30.00	-18.86
			54	8.89	8.71	11.81	30.00	-18.19
			56	8.42	7.91	11.18	30.00	-18.82
		242T	61	10.32	10.64	13.49	30.00	-16.51
			62	10.39	10.63	13.52	30.00	-16.48
		484T	65	10.29	10.61	13.46	30.00	-16.54
		SU	-	15.30	15.66	18.49	30.00	-11.51
High	5795	26T	0	4.22	4.71	7.48	30.00	-22.52
			9	5.89	6.04	8.98	30.00	-21.02
			17	4.29	4.45	7.38	30.00	-22.62
		52T	37	6.54	6.86	9.71	30.00	-20.29
			41	7.99	7.91	10.96	30.00	-19.04
			44	6.33	6.70	9.53	30.00	-20.47
		106T	53	8.32	8.50	11.42	30.00	-18.58
			54	9.01	9.02	12.03	30.00	-17.97
			56	8.04	8.52	11.30	30.00	-18.70
		242T	61	10.18	10.77	13.50	30.00	-16.50
			62	10.32	10.74	13.55	30.00	-16.45
		484T	65	10.26	10.75	13.52	30.00	-16.48
		SU	-	15.20	15.77	18.50	30.00	-11.50

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/500kHz]	Antenna 2 Meas PPSD [dBm/500kHz]	Total Corr'd PPSD [dBm/500kHz]	PSD Limit [dBm]	PSD Margin [dB]
Straddle	5720	26T	17	-8.56	-8.08	1.68	30.00	-28.32
		52T	44	-9.52	-9.17	0.66	30.00	-29.34
Low	5755	26T	0	-8.38	-8.34	1.64	30.00	-28.36
			9	-6.91	-6.76	3.17	30.00	-26.83
			17	-7.58	-7.94	2.25	30.00	-27.75
		52T	37	-8.43	-8.71	1.43	30.00	-28.57
			41	-7.96	-7.93	2.05	30.00	-27.95
			44	-8.17	-8.57	1.64	30.00	-28.36
		106T	53	-10.71	-10.46	-0.58	30.00	-30.58
			54	-10.10	-10.38	-0.24	30.00	-30.24
			56	-10.81	-10.04	-0.41	30.00	-30.41
		242T	61	-12.08	-11.45	-1.75	30.00	-31.75
			62	-11.51	-11.18	-1.34	30.00	-31.34
		SU	-	-9.43	-8.99	0.80	30.00	-29.20
High	5795	26T	0	-8.70	-7.68	1.84	30.00	-28.16
			9	-6.93	-6.50	3.29	30.00	-26.71
			17	-8.31	-8.13	1.78	30.00	-28.22
		52T	37	-9.17	-8.55	1.15	30.00	-28.85
			41	-7.84	-7.88	2.14	30.00	-27.86
			44	-8.76	-8.76	1.24	30.00	-28.76
		106T	53	-10.57	-10.14	-0.35	30.00	-30.35
			54	-10.11	-9.21	0.37	30.00	-29.63
			56	-11.10	-10.12	-0.58	30.00	-30.58
		242T	61	-11.59	-11.02	-1.29	30.00	-31.29
			62	-11.72	-10.77	-1.22	30.00	-31.22
		SU	-	-9.24	-8.25	1.29	30.00	-28.71

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Ant1 Meas PSD [dBm] + Ant2 Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.27. 802.11ax HE80 2Tx (MIMO) CDD MODE IN THE 5.8 GHz BAND

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
Straddle	5690	-3.94	-3.94
Mid	5775	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/500 kHz]	PPSD Limit [dBm/500 kHz]
Straddle	5690	30.00	30.00	30.00	30.00
Mid	5775	30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		996T	0.09	dB
		SU	0.00	dB

Output Power Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Straddle	5690	26T	36	5.19	5.40	8.31	30.00	-21.69
		52T	52	6.82	7.02	9.93	30.00	-20.07
Mid	5775	26T	0	5.51	5.92	8.73	30.00	-21.27
			18	5.88	6.20	9.05	30.00	-20.95
			36	5.76	5.94	8.86	30.00	-21.14
		52T	37	6.68	7.05	9.88	30.00	-20.12
			45	7.22	7.38	10.31	30.00	-19.69
			52	7.20	7.46	10.34	30.00	-19.66
		106T	53	8.15	8.37	11.27	30.00	-18.73
			57	8.74	8.42	11.59	30.00	-18.41
			60	8.19	8.20	11.21	30.00	-18.79
		242T	61	8.22	8.24	11.24	30.00	-18.76
			62	8.64	8.88	11.77	30.00	-18.23
			64	8.76	8.58	11.68	30.00	-18.32
		484T	65	10.17	10.46	13.33	30.00	-16.67
			66	10.26	10.47	13.38	30.00	-16.62
		996T	67	10.13	10.20	13.27	30.00	-16.73
		SU	-	14.36	14.51	17.45	30.00	-12.55

* Calculation of Output Power : Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency [MHz]	Tones	RU offset	Antenna 1 Meas PPSD [dBm/500kHz]	Antenna 2 Meas PPSD [dBm/500kHz]	Total Corr'd PPSD [dBm/500kHz]	PSD Limit [dBm]	PSD Margin [dB]
Straddle	5720	26T	36	-7.29	-7.15	2.78	30.00	-27.22
		52T	52	-9.05	-8.12	1.44	30.00	-28.56
Mid	5775	26T	0	-7.27	-7.02	2.86	30.00	-27.14
			18	-6.79	-6.10	3.57	30.00	-26.43
			36	-7.13	-6.26	3.33	30.00	-26.67
		52T	37	-8.81	-8.10	1.56	30.00	-28.44
			45	-8.81	-8.22	1.50	30.00	-28.50
			52	-8.69	-7.97	1.69	30.00	-28.31
		106T	53	-10.22	-10.29	-0.26	30.00	-30.26
			57	-10.32	-10.04	-0.18	30.00	-30.18
			60	-10.67	-9.87	-0.25	30.00	-30.25
		242T	61	-13.85	-13.51	-3.68	30.00	-33.68
			62	-13.54	-13.28	-3.41	30.00	-33.41
			64	-13.36	-13.34	-3.35	30.00	-33.35
		484T	65	-14.98	-14.32	-4.64	30.00	-34.64
			66	-14.46	-14.09	-4.27	30.00	-34.27
		SU	-	-13.78	-13.13	-3.44	30.00	-33.44

*** Calculation of PSD result :**

Corr'd PSD [dBm] = Ant1 Meas PSD [dBm] + Ant2 Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.28. 802.11ax HE20 2Tx (MIMO) CDD MODE IN THE STRADDLE CHANNEL

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PSD [dBi]
UNII-2C	5720	15.27	-3.13	-3.13
UNII-3	5720	5.62	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5720	22.84	22.84	11.00	11.00
UNII-3	5720	30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PSD				
Duty Cycle CF [dB]	HE20	106T	0.00	dB
		SU	0.00	dB

Output Power Results

Portion	Frequency	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
	[MHz]							
UNII-2C	5720	106T	54	4.64	4.38	7.52	22.84	-15.32
		SU	-	12.63	12.55	15.60	22.84	-7.24
UNII-3		106T	54	5.13	5.01	8.08	30.00	-21.92
		SU	-	7.31	7.33	10.33	30.00	-19.67

* Calculation of Output Power :

Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power[dBm]+ Duty CF [dB]

Band	Actual RBW	Ref. Bandwidth	Corr'd factor
UNII-2C	100 kHz	1000 kHz	10.00 dB
UNII-3	100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency	Tones	RU offset	Antenna 1 Meas PPSD	Antenna 2 Meas PPSD	Total Corr'd PPSD	PPSD Limit	PPSD Margin
	[MHz]			[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
UNII-2C	5720	106T	54	-10.68	-11.16	2.10	11.00	-8.90
		SU	-	-8.44	-7.55	5.04	11.00	-5.96
UNII-3*		106T	54	-11.77	-11.34	-1.55	30.00	-31.55
		SU	-	-8.52	-7.74	1.89	30.00	-28.11

* For UNII-3, the unit of PSD is [dBm/500kHz].

* Calculation of PSD result :

Corr'd PSD [dBm] = Ant1 Meas PSD [dBm] + Ant2 Meas PSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.29. 802.11ax HE40 2Tx (MIMO) CDD MODE IN THE STRADDLE CHANNEL

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
UNII-2C	5710	20.14	-3.13	-3.13
UNII-3		4.81	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5710	24.00	24.00	11.00	11.00
UNII-3		30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE40	106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB

Output Power Results

Portion	Frequency	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
	[MHz]							
UNII-2C	5710	106T	56	5.14	5.09	8.13	24.00	-15.87
		242T	62	9.06	9.24	12.16	24.00	-11.84
		SU	-	13.69	14.18	16.95	24.00	-7.05
UNII-3		106T	56	4.13	4.26	7.21	30.00	-22.79
		242T	62	2.51	2.86	5.70	30.00	-24.30
		SU	-	3.53	4.13	6.85	30.00	-23.15

* Calculation of Output Power :

Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power [dBm] + Duty CF [dB]

Band	Actual RBW	Ref. Bandwidth	Corr'd factor
UNII-2C	100 kHz	1000 kHz	10.00 dB
UNII-3	100 kHz	500 kHz	6.99 dB

PPSD Results

Channel	Frequency	Tones	RU offset	Antenna 1 Meas PPSD [dBm/MHz]	Antenna 2 Meas PPSD [dBm/MHz]	Total Corr'd PPSD [dBm/MHz]	PPSD Limit [dBm/MHz]	PPSD Margin [dB]
UNII-2C	5710	106T	56	-10.55	-10.83	2.33	11.00	-8.67
		242T	62	-12.10	-11.55	1.19	11.00	-9.81
		SU	-	-10.80	-10.12	2.56	11.00	-8.44
UNII-3*		106T	56	-10.99	-11.68	-1.32	30.00	-31.32
		242T	62	-12.88	-12.54	-2.71	30.00	-32.71
		SU	-	-11.95	-11.05	-1.47	30.00	-31.47

* For UNII-3, the unit of PPSD is [dBm/500kHz].

* Calculation of PPSD result :

Corr'd PPSD [dBm] = Ant1 Meas PPSD [dBm] + Ant2 Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

10.2.30. 802.11ax HE80 2Tx (MIMO) CDD MODE IN THE STRADDLE CHANNEL

Bandwidth and Antenna Gain

Portion	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain for Power [dBi]	Directional Gain for PPSD [dBi]
UNII-2C	5690	22.35	-3.13	-3.13
UNII-3		5.36	-3.94	-3.94

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5690	24.00	24.00	11.00	11.00
UNII-3		30.00	30.00	30.00	30.00

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB

Output Power Results

Portion	Frequency	Tones	RU offset	Antenna 1 Meas Power [dBm]	Antenna 2 Meas Power [dBm]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
	[MHz]							
UNII-2C	5690	106T	60	5.11	4.73	7.93	24.00	-16.07
		242T	64	7.31	7.36	10.35	24.00	-13.65
		484T	66	9.46	9.71	12.60	24.00	-11.40
		SU	-	13.79	14.25	17.03	24.00	-6.97
UNII-3		106T	60	4.18	4.17	7.18	30.00	-22.82
		242T	64	0.67	1.01	3.85	30.00	-26.15
		484T	66	-1.26	-0.77	2.00	30.00	-28.00
		SU	-	-0.60	0.01	2.72	30.00	-27.28

* Calculation of Output Power :

Corr'd Power [dBm] = Ant1 Meas Power [dBm] + Ant2 Meas Power [dBm] + Duty CF [dB]

Band	Actual RBW	Ref. Bandwidth	Corr'd factor
UNII-2C	100 kHz	1000 kHz	10.00 dB
UNII-3	100 kHz	500 kHz	6.99 dB

PPSD Results

PPSD Results								
Channel	Frequency	Tones	RU offset	Antenna 1 Meas PPSD	Antenna 2 Meas PPSD	Total Corr'd PPSD	PPSD Limit	PPSD Margin
	[MHz]			[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
UNII-2C	5690	106T	60	-10.79	-11.69	1.79	11.00	-9.21
		242T	64	-14.29	-13.45	-0.84	11.00	-11.84
		484T	66	-15.05	-14.49	-1.75	11.00	-12.75
		SU	-	-13.84	-13.24	-0.52	11.00	-11.52
UNII-3*		106T	60	-11.82	-11.73	-1.77	30.00	-31.77
		242T	64	-14.64	-14.58	-1.60	30.00	-31.60
		484T	66	-16.40	-16.28	-3.33	30.00	-33.33
		SU	-	-15.96	-15.34	-2.63	30.00	-32.63

* For UNII-3, the unit of PPSD is [dBm/500kHz].

* Calculation of PPSD result :

Corr'd PPSD [dBm] = Ant1 Meas PPSD [dBm] + Ant2 Meas PPSD [dBm] + Duty CF [dB] + Corr'd factor [dB]

11. TRANSMITTER ABOVE 1 GHz

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.

FCC §15.407 (b)

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

Note

- Limit translation to field strength level (FCC §15.407)

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2 = -27\text{dBm} + 95.2 = 68.2\text{dBuV/m}$$

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2 = -17\text{dBm} + 95.2 = 78.2\text{dBuV/m}$$

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.

Reference to KDB 789033 D02 v02r01 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.

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 1GHz to 40 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.

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.

Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open field test site.

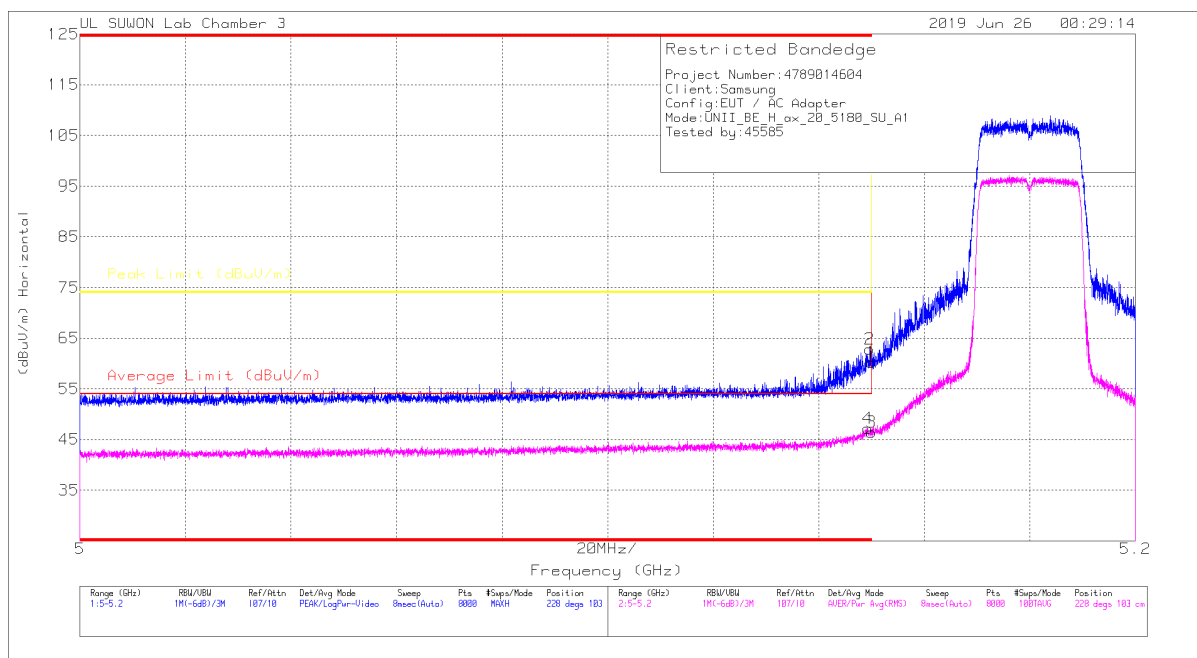
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

11.1. 5.2 GHz_1Tx (SISO)

11.1.1. TX Above 1GHz 802.11ax MODE IN THE 5.2GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HE20 SU mode (ANT_1)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

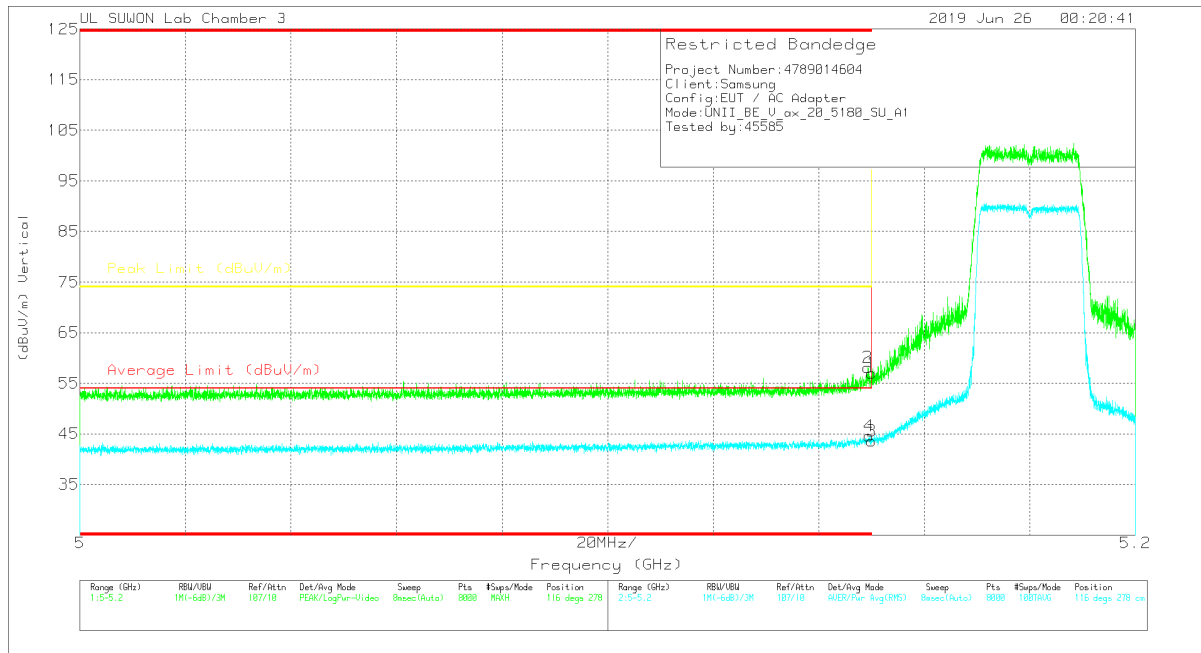
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.85	Pk	34.4	-19	0	60.25	-	-	74	-13.75	228	103	H
2	* 5.15	47.46	Pk	34.4	-19	0	62.86	-	-	74	-11.14	228	103	H
3	* 5.15	31.47	RMS	34.4	-19.4	0	46.47	54	-7.53	-	-	228	103	H
4	* 5.149	32.23	RMS	34.4	-19.4	0	47.23	54	-6.77	-	-	228	103	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00209959	10dB(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	* 5.15	41.65	Pk	34.4	-19	0	57.05	-	-	74	-16.95	116	278	V
2	* 5.149	42.77	Pk	34.4	-19	0	58.17	-	-	74	-15.83	116	278	V
3	* 5.15	28.63	RMS	34.4	-19.4	0	43.63	54	-10.37	-	-	116	278	V
4	* 5.15	29.6	RMS	34.4	-19.4	0	44.6	54	-9.4	-	-	116	278	V

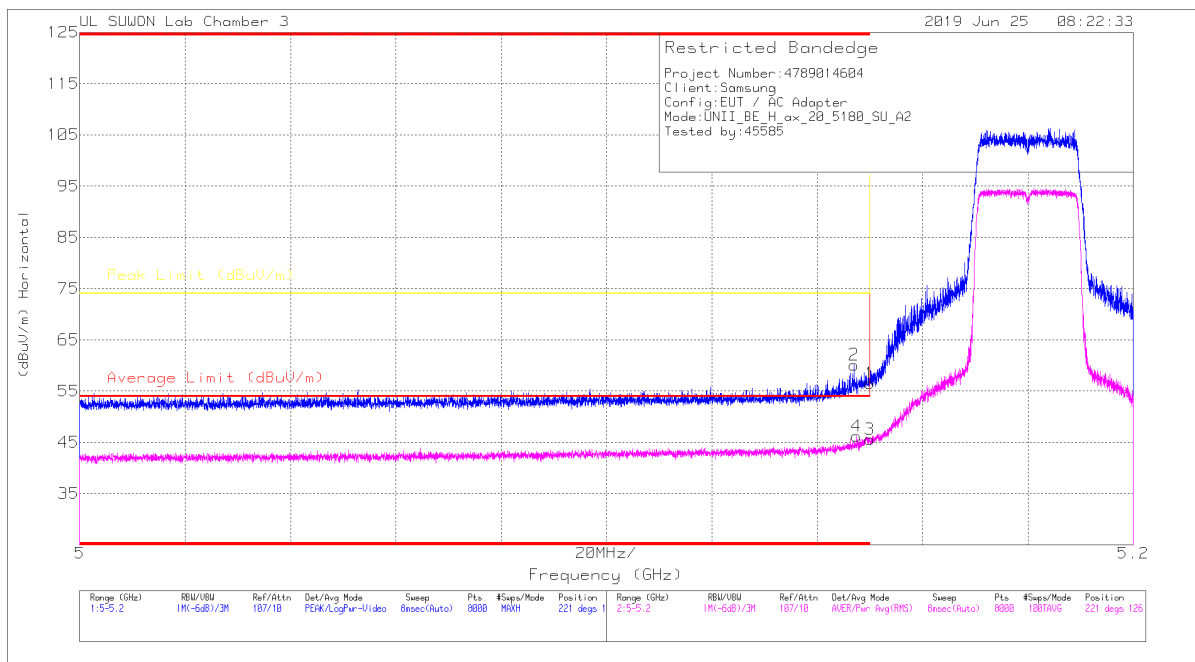
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE20 SU mode (ANT_2)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

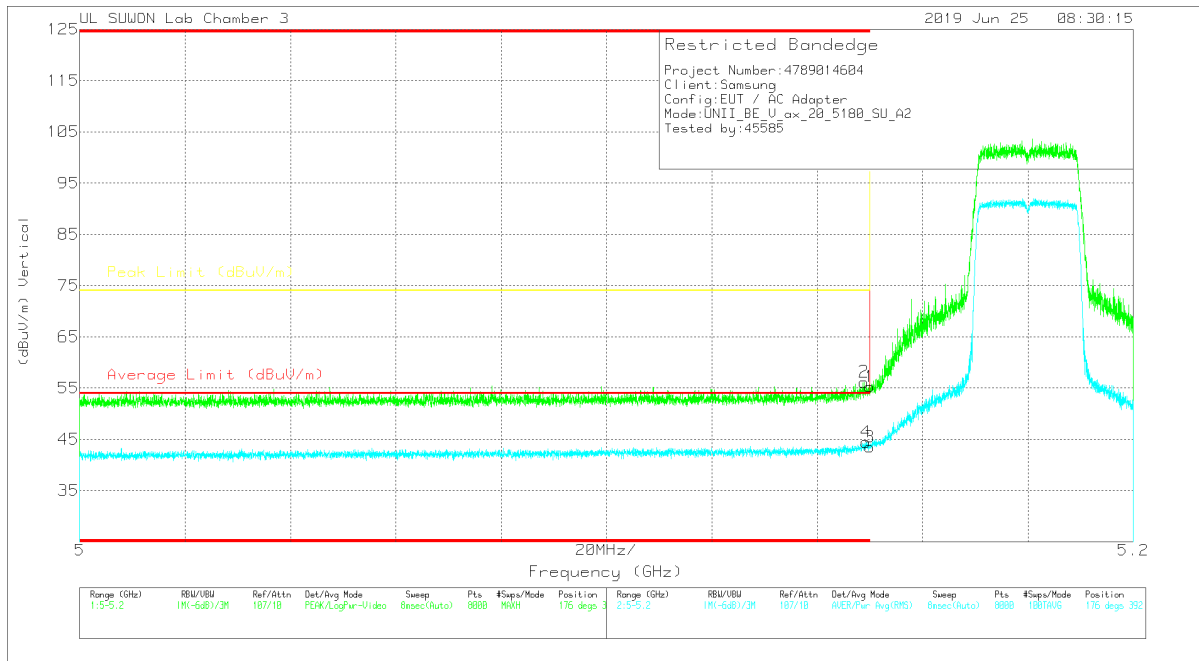
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	41.12	Pk	34.4	-19	0	56.52	-	-	74	-17.48	221	126	H
2	* 5.147	44.8	Pk	34.4	-19.1	0	60.1	-	-	74	-13.9	221	126	H
3	* 5.15	30.61	RMS	34.4	-19.4	0	45.61	54	-8.39	-	-	221	126	H
4	* 5.147	31.22	RMS	34.4	-19.4	0	46.22	54	-7.78	-	-	221	126	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.15	39.85	PK	34.4	-19	0	55.25	-	-	74	-18.75	176	392	V
2	* 5.149	40.89	PK	34.4	-19.1	0	56.19	-	-	74	-17.81	176	392	V
3	* 5.15	28.52	RMS	34.4	-19.4	0	43.52	54	-10.48	-	-	176	392	V
4	* 5.149	29.45	RMS	34.4	-19.4	0	44.45	54	-9.55	-	-	176	392	V

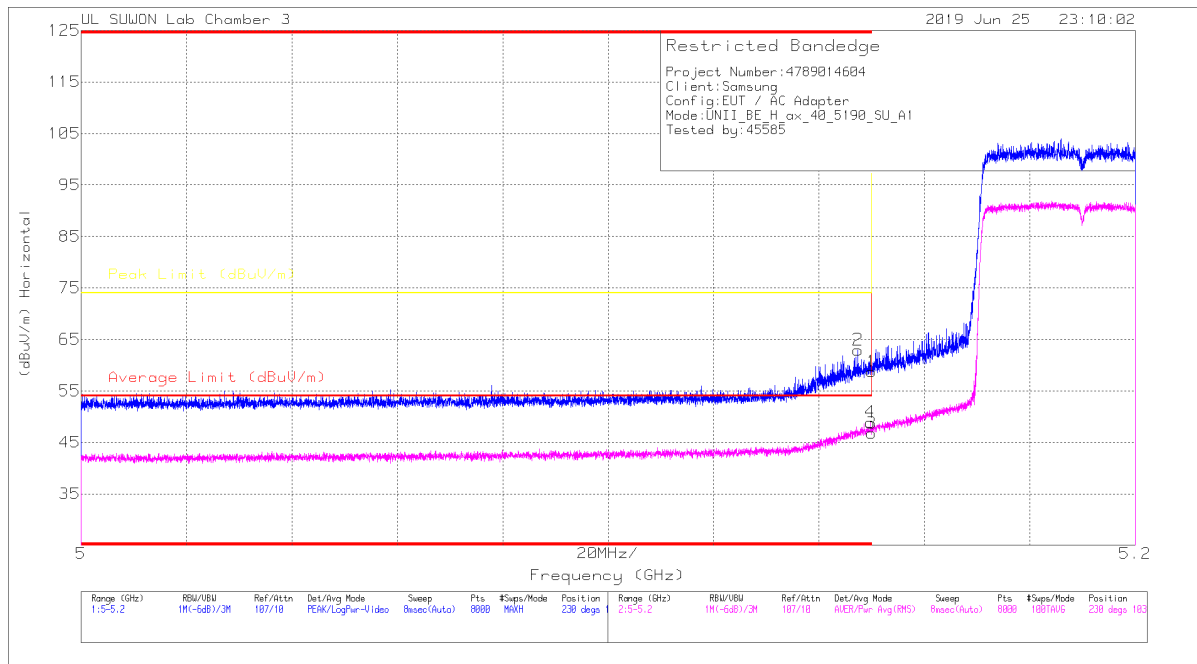
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

HE40 SU mode (ANT_1)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

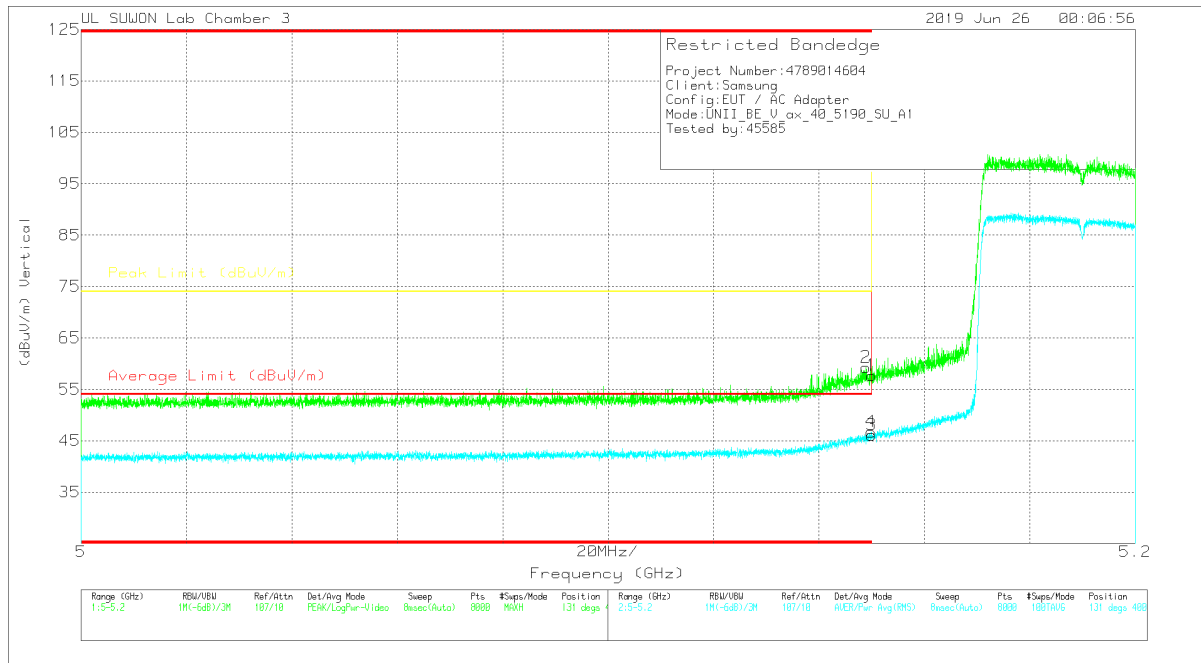
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.34	Pk	34.4	-19	0	58.74	-	-	74	-15.26	230	103	H
2	* 5.147	47.63	Pk	34.4	-19.1	0	62.93	-	-	74	-11.07	230	103	H
3	* 5.15	31.78	RMS	34.4	-19.4	0	46.78	54	-7.22	-	-	230	103	H
4	* 5.15	33.91	RMS	34.4	-19.4	0	48.91	54	-5.09	-	-	230	103	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB(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	* 5.15	42.3	PK	34.4	-19	0	57.7	-	-	74	-16.3	131	400	V
2	* 5.149	43.97	PK	34.4	-19.1	0	59.27	-	-	74	-14.73	131	400	V
3	* 5.15	31.12	RMS	34.4	-19.4	0	46.12	54	-7.88	-	-	131	400	V
4	* 5.15	31.73	RMS	34.4	-19.4	0	46.73	54	-7.27	-	-	131	400	V

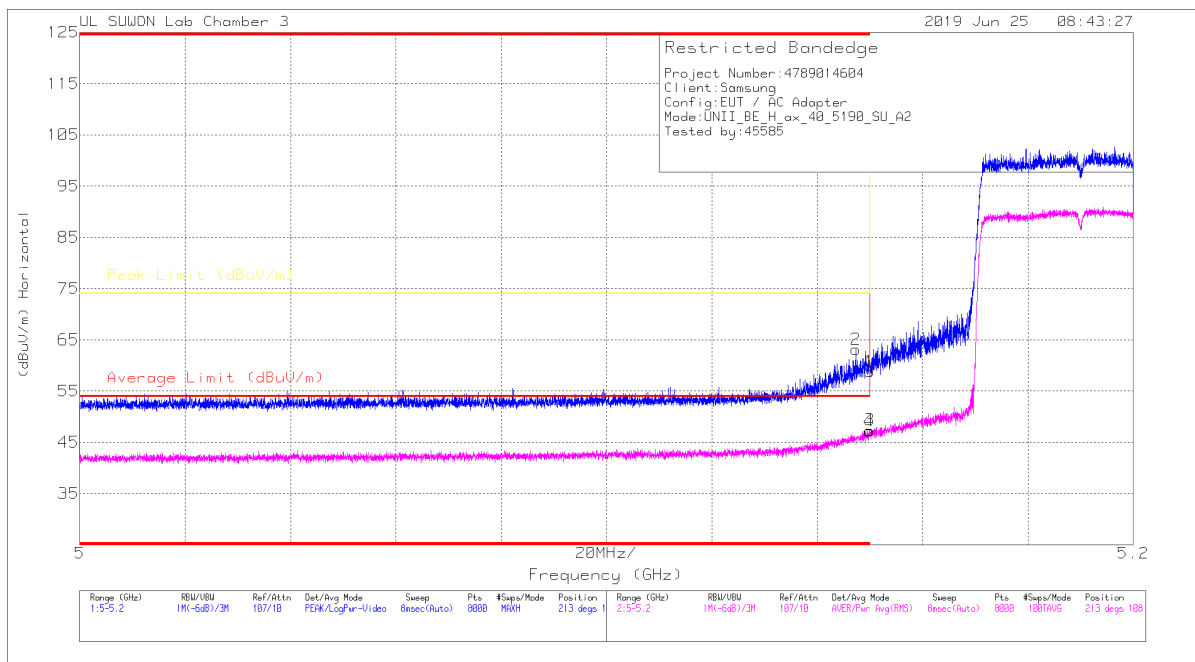
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

HE40 SU mode (ANT_2)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

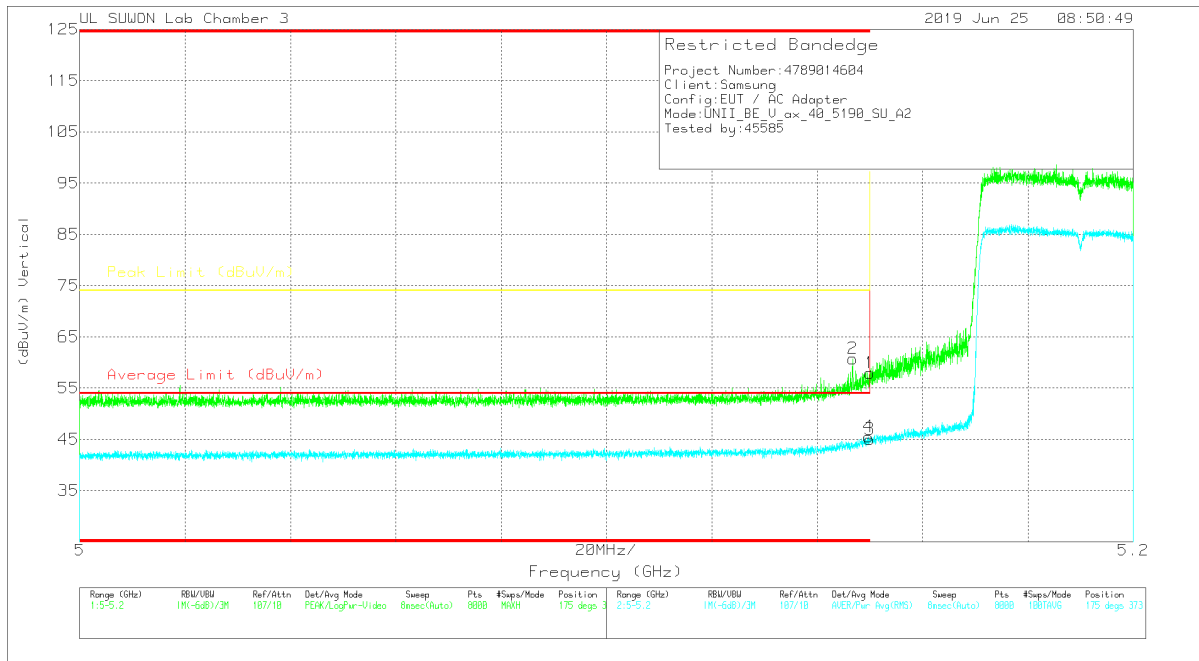
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.46	Pk	34.4	-19	0	58.86	-	-	74	-15.14	213	108	H
2	* 5.147	47.8	Pk	34.4	-19.1	0	63.1	-	-	74	-10.9	213	108	H
3	* 5.15	32.37	RMS	34.4	-19.4	0	47.37	54	-6.63	-	-	213	108	H
4	* 5.15	32.22	RMS	34.4	-19.4	0	47.22	54	-6.78	-	-	213	108	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.15	42.54	PK	34.4	-19	0	57.94	-	-	74	-16.06	175	373	V
2	* 5.147	45.45	PK	34.4	-19.1	0	60.75	-	-	74	-13.25	175	373	V
3	* 5.15	30.03	RMS	34.4	-19.4	0	45.03	54	-8.97	-	-	175	373	V
4	* 5.15	30.52	RMS	34.4	-19.4	0	45.52	54	-8.48	-	-	175	373	V

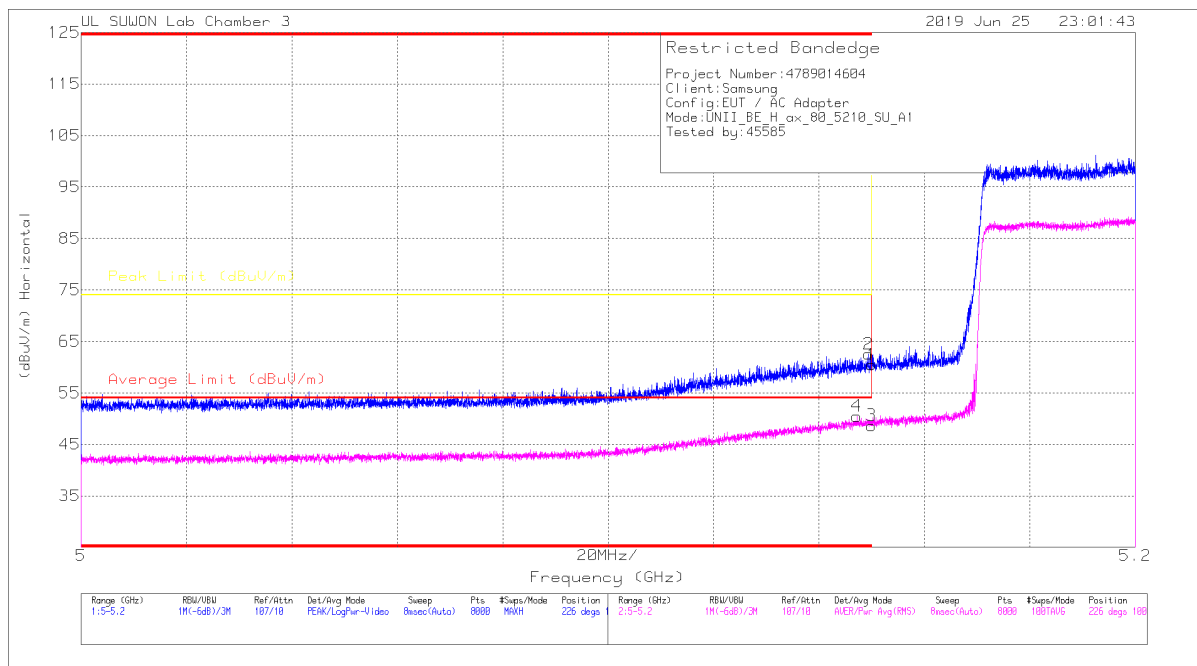
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

HE80 SU mode (ANT_1)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

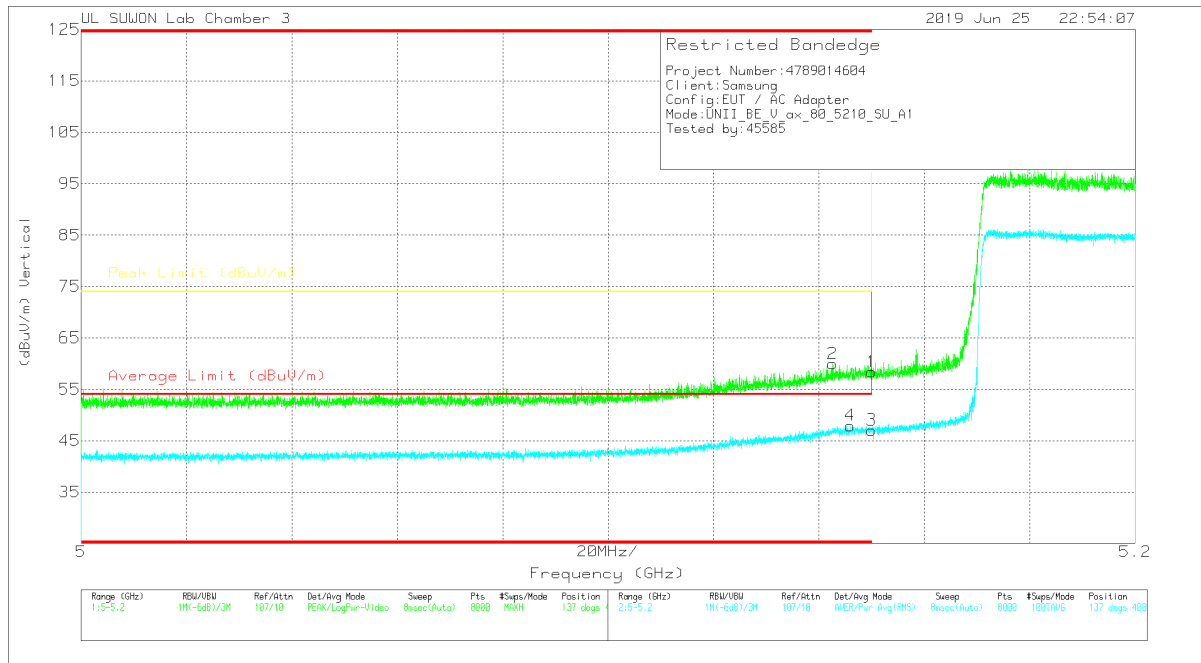
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.07	Pk	34.4	-19	0	60.47	-	-	74	-13.53	226	100	H
2	* 5.149	47.12	Pk	34.4	-19	0	62.52	-	-	74	-11.48	226	100	H
3	* 5.15	33.66	RMS	34.4	-19.4	0	48.66	54	-5.34	-	-	226	100	H
4	* 5.147	35.5	RMS	34.4	-19.4	0	50.5	54	-3.5	-	-	226	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB(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	* 5.15	42.96	PK	34.4	-19	0	58.36	-	-	74	-15.64	137	400	V
2	* 5.143	44.57	PK	34.4	-19	0	59.97	-	-	74	-14.03	137	400	V
3	* 5.15	32.06	RMS	34.4	-19.4	0	47.06	54	-6.94	-	-	137	400	V
4	* 5.146	32.94	RMS	34.4	-19.4	0	47.94	54	-6.06	-	-	137	400	V

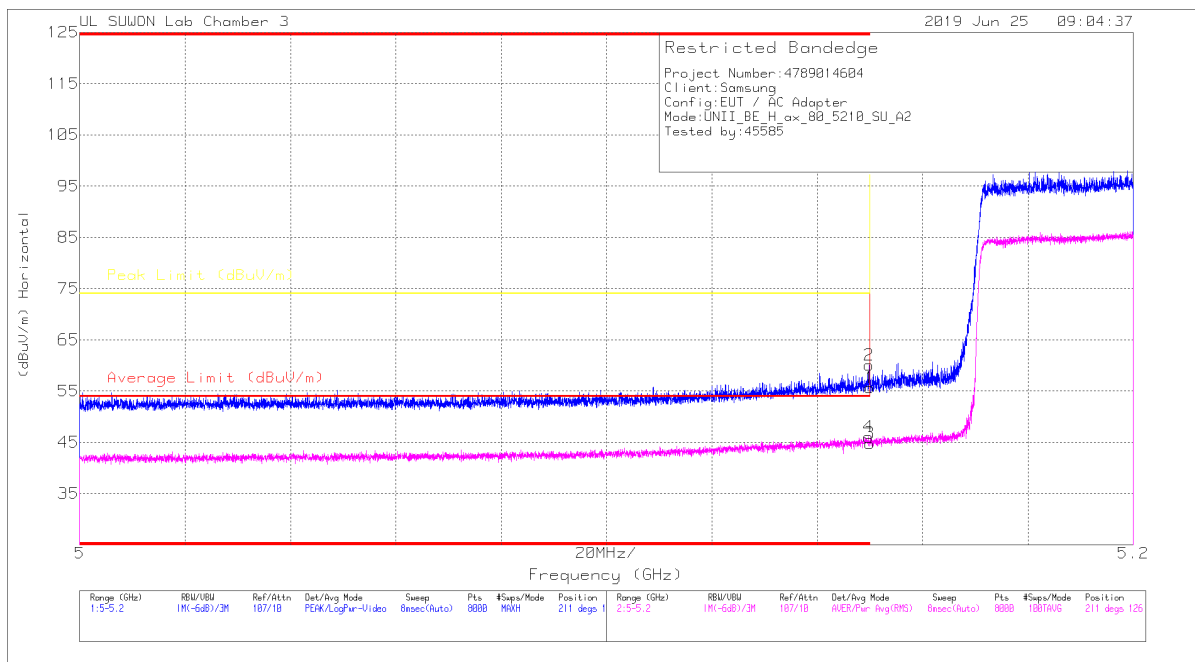
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

HE80 SU mode (ANT_2)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

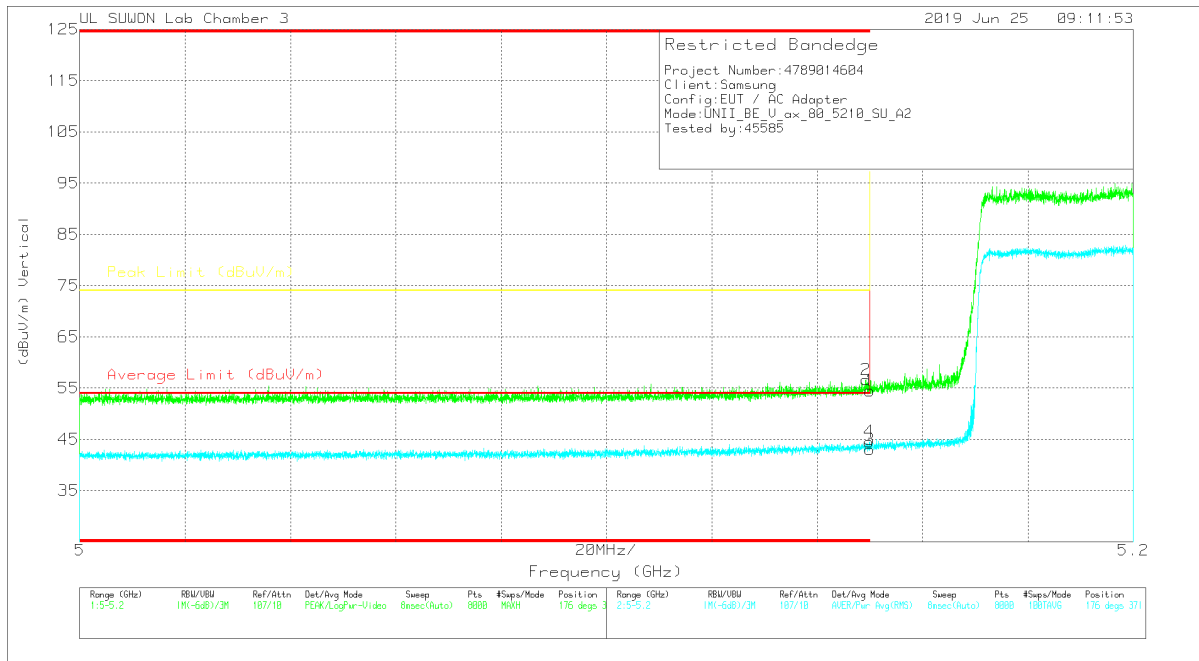
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.24	Pk	34.4	-19	0	55.64	-	-	74	-18.36	211	126	H
2	* 5.15	44.63	Pk	34.4	-19	0	60.03	-	-	74	-13.97	211	126	H
3	* 5.15	29.78	RMS	34.4	-19.4	0	44.78	54	-9.22	-	-	211	126	H
4	* 5.15	31.04	RMS	34.4	-19.4	0	46.04	54	-7.96	-	-	211	126	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.15	39.1	Pk		-19	0	54.5	-	-	74	-19.5	176	371	V
2	* 5.149	41.25	Pk		-19	0	56.65	-	-	74	-17.35	176	371	V
3	* 5.15	28.01	RMS		-19.4	0	43.01	54	-10.99	-	-	176	371	V
4	* 5.15	29.53	RMS		-19.4	0	44.53	54	-9.47	-	-	176	371	V

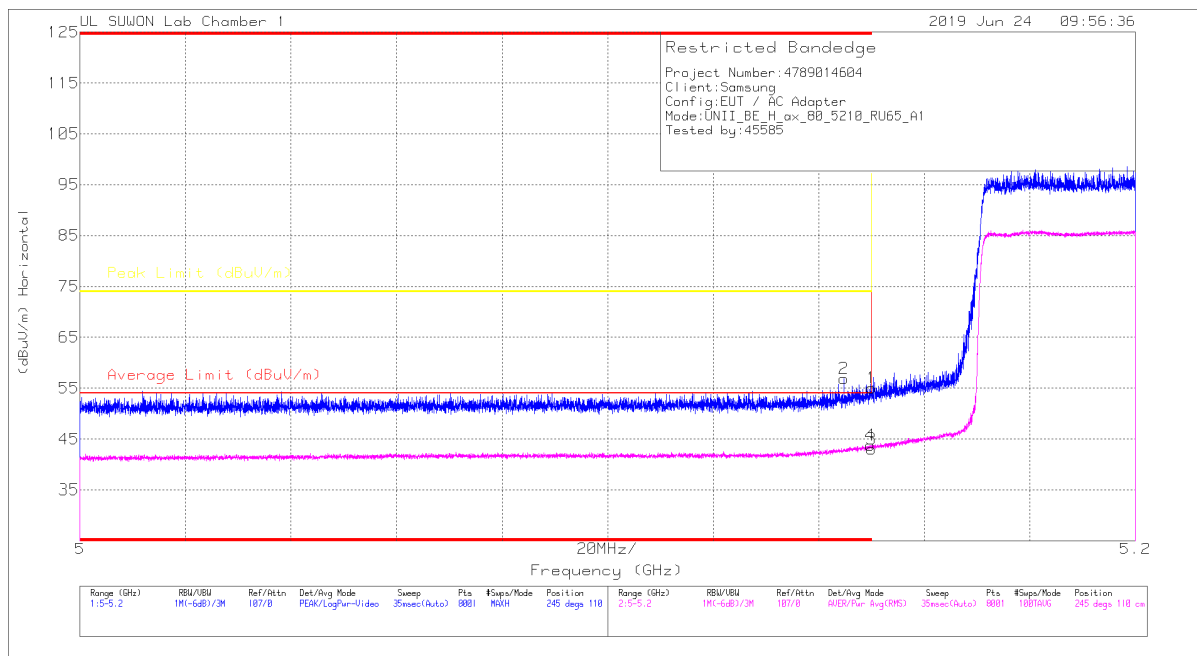
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

484T RU mode (ANT_1 / HE80 / RU offset 65)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

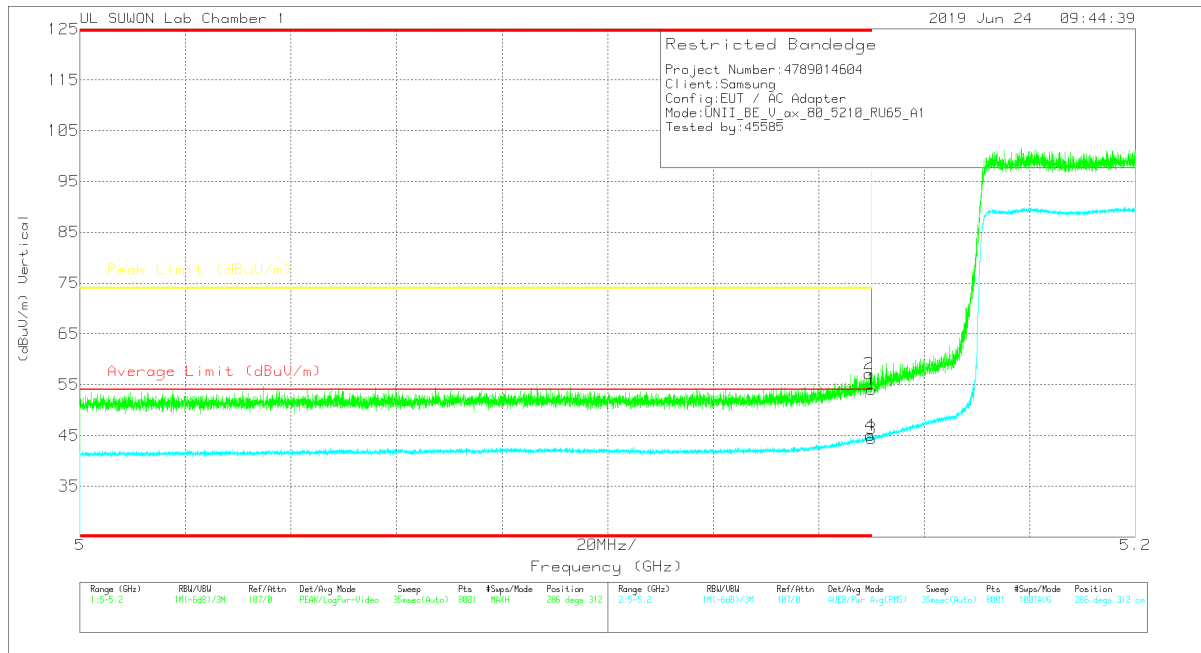
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.35	PK		-21.8	0	55.05	-	-	74	-18.95	245	110	H
2	* 5.1448	44.26	PK		-21.8	0	56.86	-	-	74	-17.14	245	110	H
3	5.15	30.58	RMS		-22	0	43.08	54	-10.92	-	-	245	110	H
4	* 5.1498	31.36	RMS		-22	0	43.76	54	-10.24	-	-	245	110	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168717	10dB[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	5.15	41.33	Pk	34.5	-21.8	0	54.03	-	-	74	-19.97	286	312	V
2	* 5.1495	44.52	Pk	34.4	-21.8	0	57.12	-	-	74	-16.88	286	312	V
3	5.15	31.89	RMS	34.5	-22	0	44.39	54	-9.61	-	-	286	312	V
4	* 5.14975	32.56	RMS	34.4	-22	0	44.96	54	-9.04	-	-	286	312	V

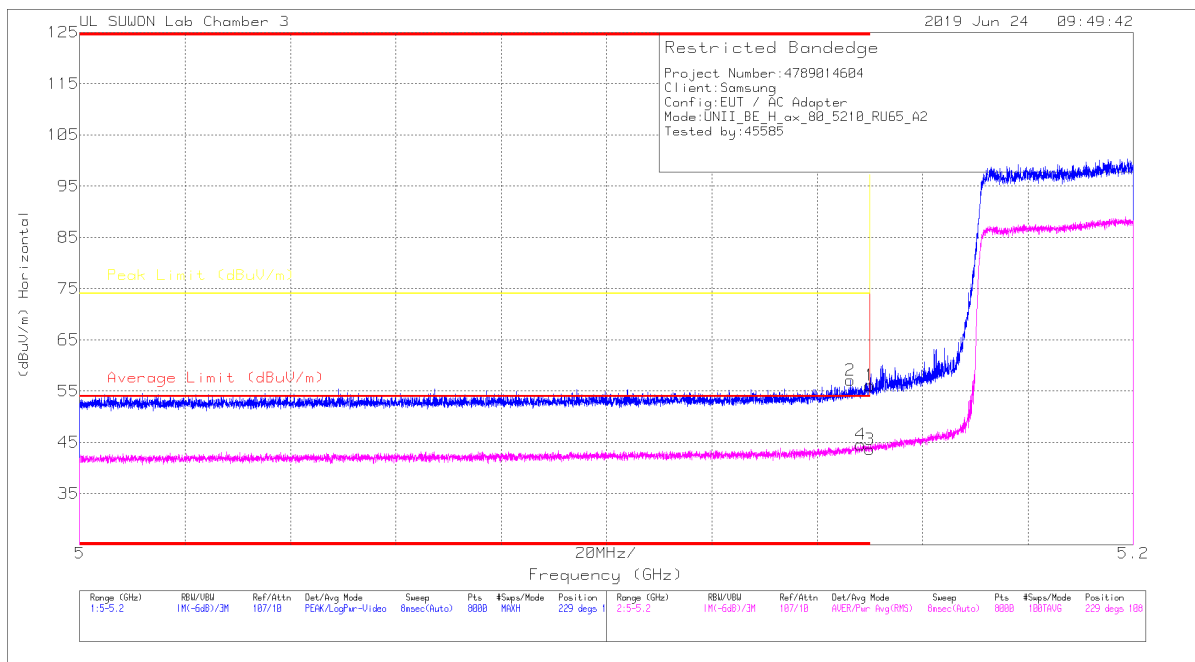
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

484T RU mode (ANT_2 / HE80 / RU offset 65)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

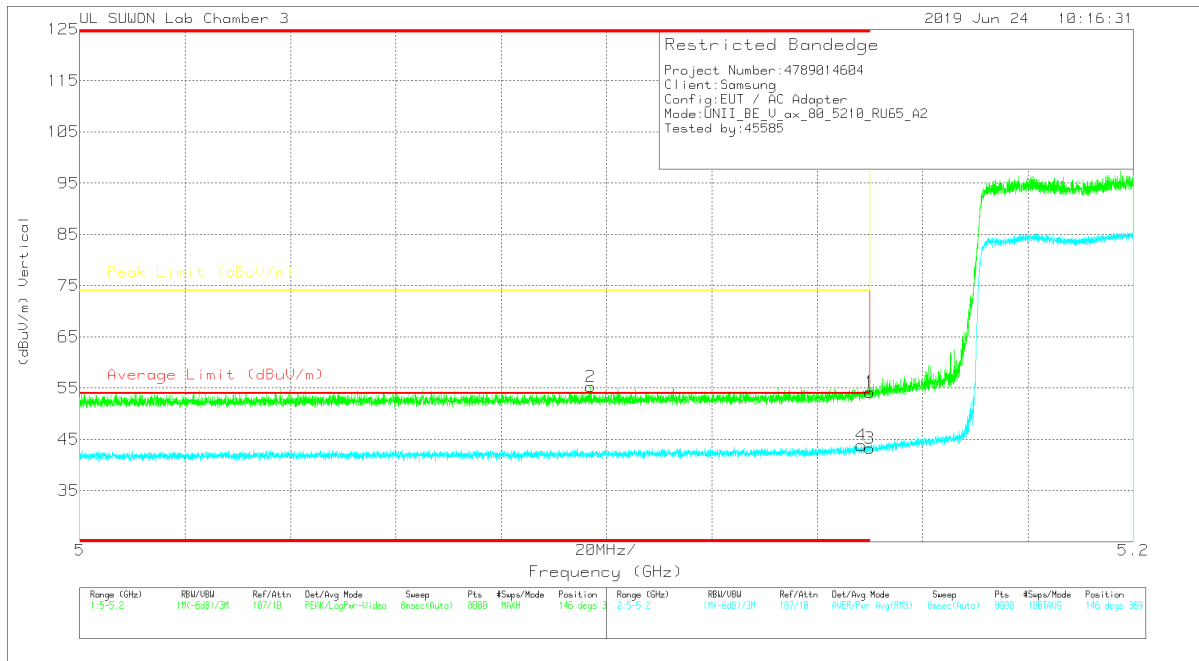
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	40.7	Pk	34.4	-19	0	56.1	-	-	74	-17.9	229	108	H
2	* 5.146	41.81	Pk	34.4	-19.1	0	57.11	-	-	74	-16.89	229	108	H
3	* 5.15	28.6	RMS	34.4	-19.4	0	43.6	54	-10.4	-	-	229	108	H
4	* 5.148	29.56	RMS	34.4	-19.4	0	44.56	54	-9.44	-	-	229	108	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.15	38.81	Pk		-19	0	54.21	-	-	74	-19.79	146	369	V
2	* 5.097	39.99	Pk		-19.1	0	55.29	-	-	74	-18.71	146	369	V
3	* 5.15	28.28	RMS		-19.4	0	43.28	54	-10.72	-	-	146	369	V
4	* 5.148	28.83	RMS		-19.4	0	43.83	54	-10.17	-	-	146	369	V

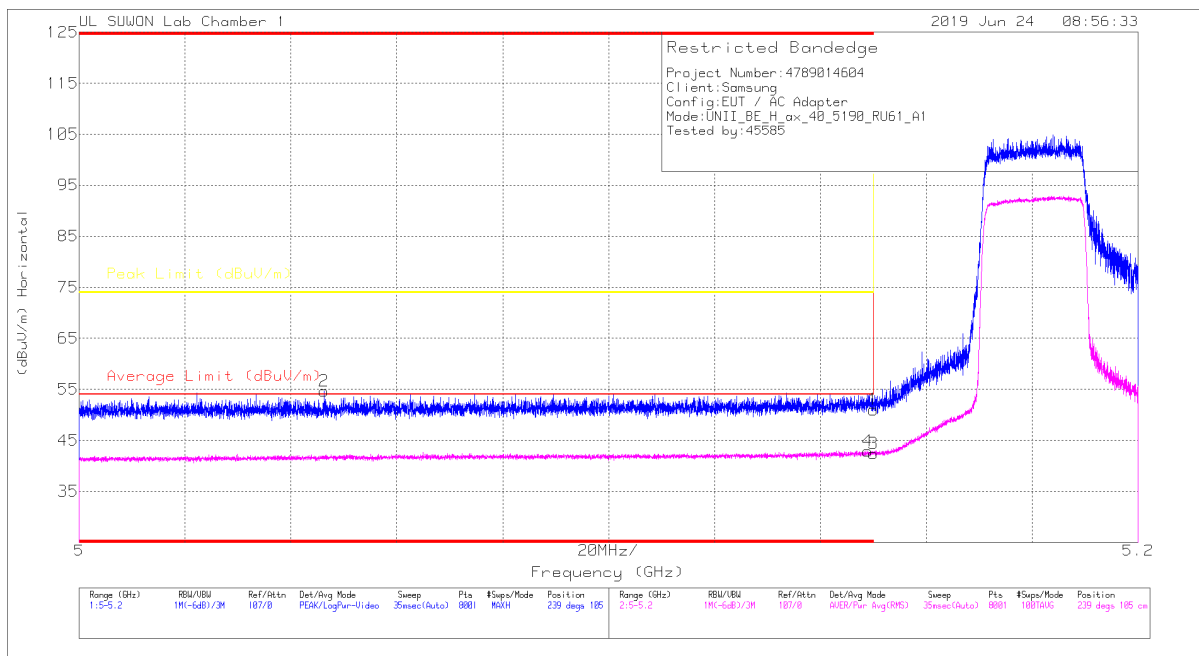
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

242T RU mode (ANT_1 / HE40 / RU offset 61)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

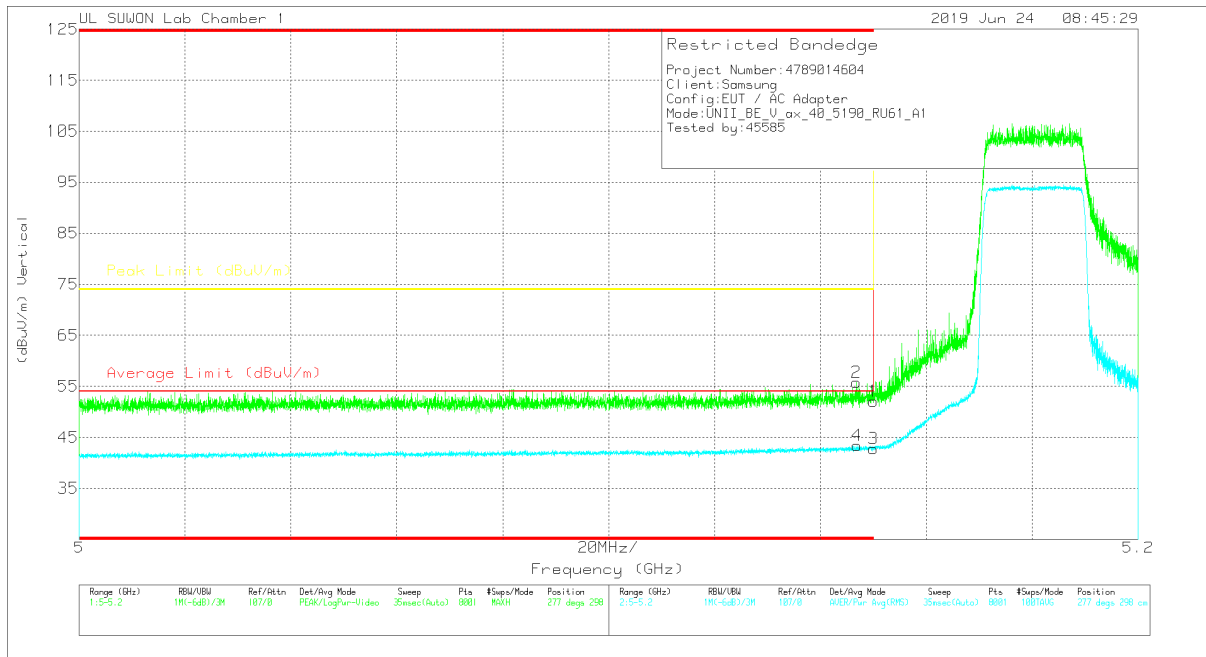
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	38.31	Pk		-21.8	0	51.01	-	-	74	-22.99	239	105	H
2	* 5.04623	42.01	Pk		-21.7	0	54.61	-	-	74	-19.39	239	105	H
3	5.15	29.9	RMS		-22	0	42.4	54	-11.6	-	-	239	105	H
4	* 5.14893	30.54	RMS		-22	0	42.94	54	-11.06	-	-	239	105	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168717	10dB[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	5.15	39.39	Pk	34.5	-21.8	0	52.09	-	-	74	-21.91	277	298	V
2	* 5.14685	43.18	Pk	34.4	-21.8	0	55.78	-	-	74	-18.22	277	298	V
3	5.15	30.27	RMS	34.5	-22	0	42.77	54	-11.23	-	-	277	298	V
4	* 5.14695	31.05	RMS	34.4	-22	0	43.45	54	-10.55	-	-	277	298	V

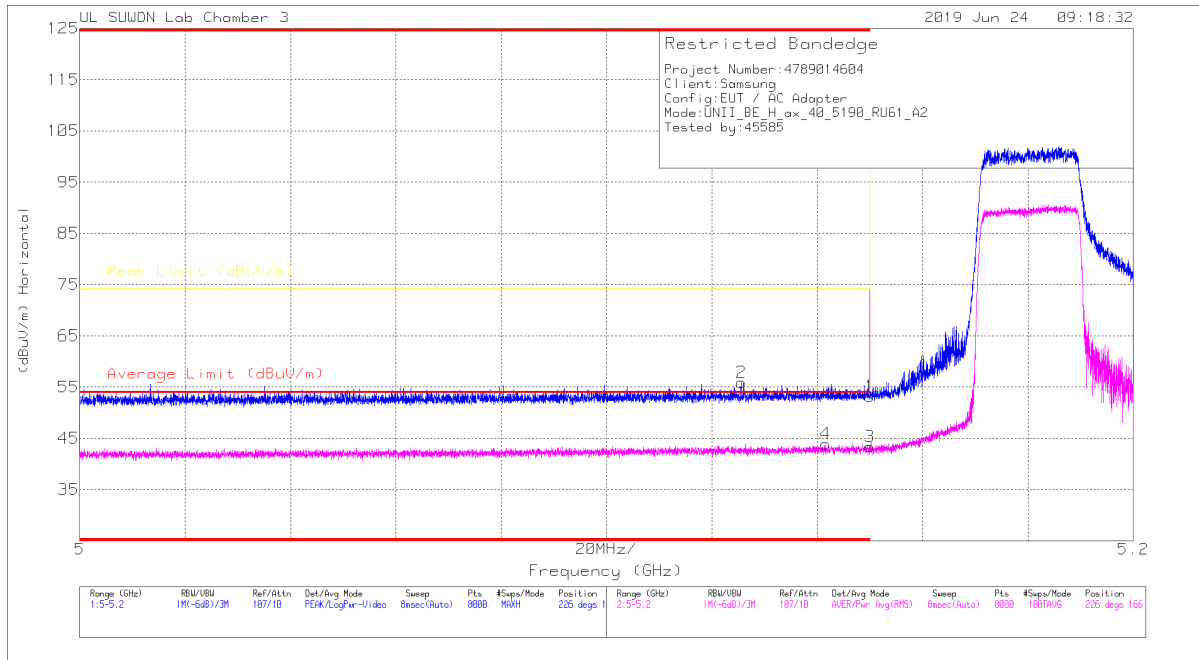
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

242T RU mode (ANT_2 / HE40 / RU offset 61)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

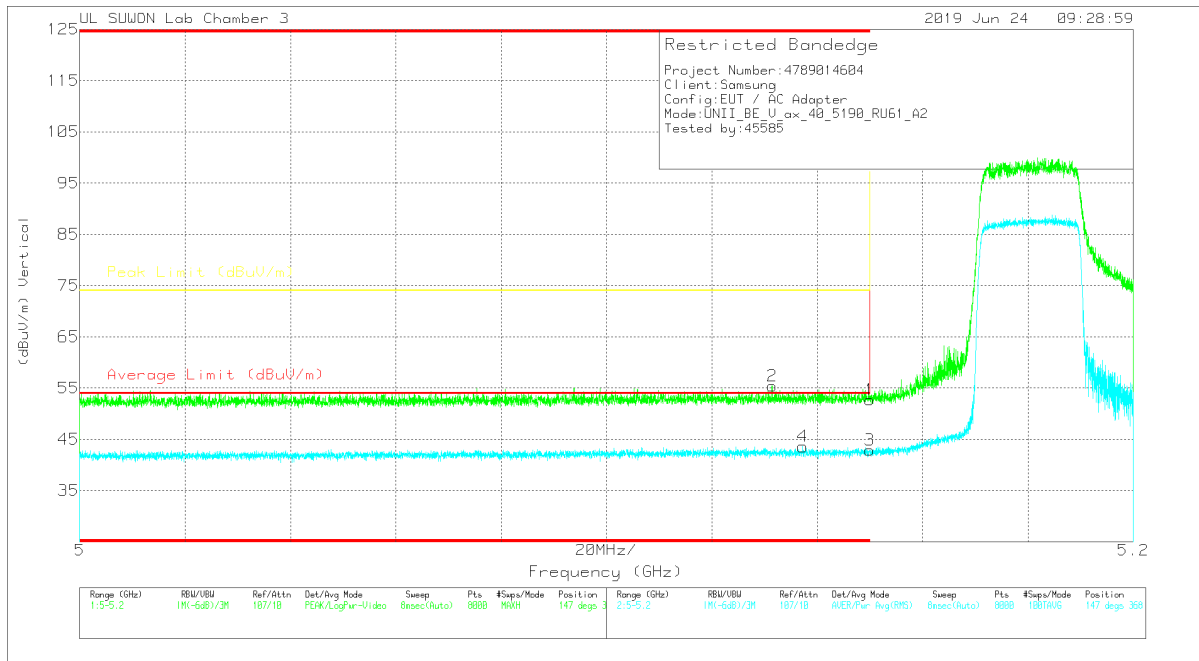
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.82	Pk	34.4	-19	0	53.22	-	-	74	-20.78	226	166	H
2	* 5.126	40.62	Pk	34.4	-19.1	0	55.92	-	-	74	-18.08	226	166	H
3	* 5.15	28.4	RMS	34.4	-19.4	0	43.4	54	-10.6	-	-	226	166	H
4	* 5.142	28.92	RMS	34.4	-19.4	0	43.92	54	-10.08	-	-	226	166	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.15	37.29	PK	34.4	-19	0	52.69	-	-	74	-21.31	147	368	V
2	* 5.131	40.1	PK	34.4	-19.1	0	55.4	-	-	74	-18.6	147	368	V
3	* 5.15	27.86	RMS	34.4	-19.4	0	42.86	54	-11.14	-	-	147	368	V
4	* 5.137	28.58	RMS	34.4	-19.4	0	43.58	54	-10.42	-	-	147	368	V

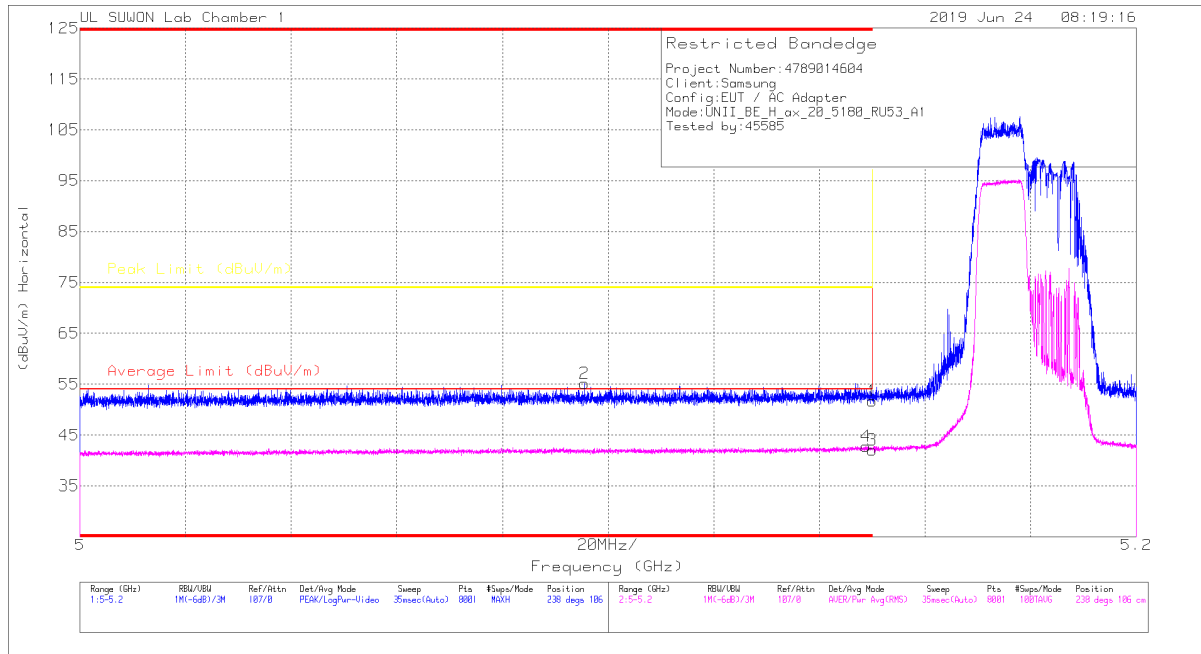
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

106T RU mode (ANT_1 / HE20 / RU offset 53)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

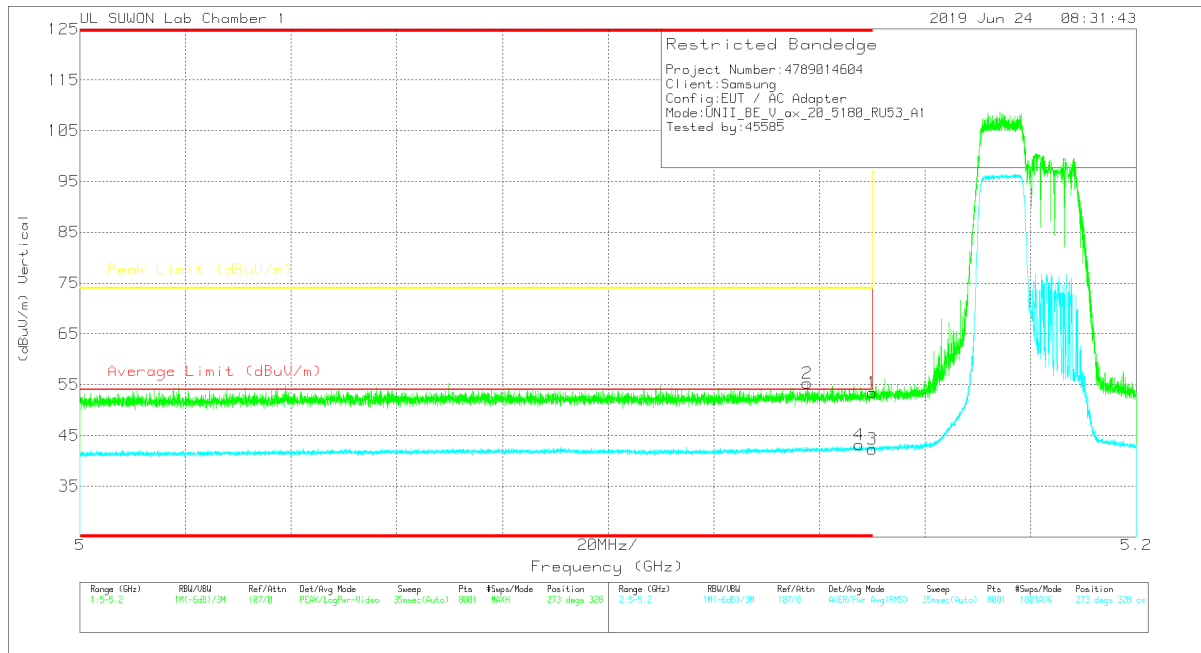
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.02	Pk		-21.8	0	51.72	-	-	74	-22.28	238	106	H
2	* 5.09558	42.46	Pk		-21.7	0	55.16	-	-	74	-18.84	238	106	H
3	5.15	29.52	RMS		-22	0	42.02	54	-11.98	-	-	238	106	H
4	* 5.14878	30.34	RMS		-22	0	42.74	54	-11.26	-	-	238	106	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168717	10dB[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	5.15	40.69	Pk	34.5	-21.8	0	53.39	-	-	74	-20.61	273	328	V
2	* 5.1377	42.66	Pk	34.4	-21.8	0	55.26	-	-	74	-18.74	273	328	V
3	5.15	29.81	RMS	34.5	-22	0	42.31	54	-11.69	-	-	273	328	V
4	* 5.1475	30.75	RMS	34.4	-22	0	43.15	54	-10.85	-	-	273	328	V

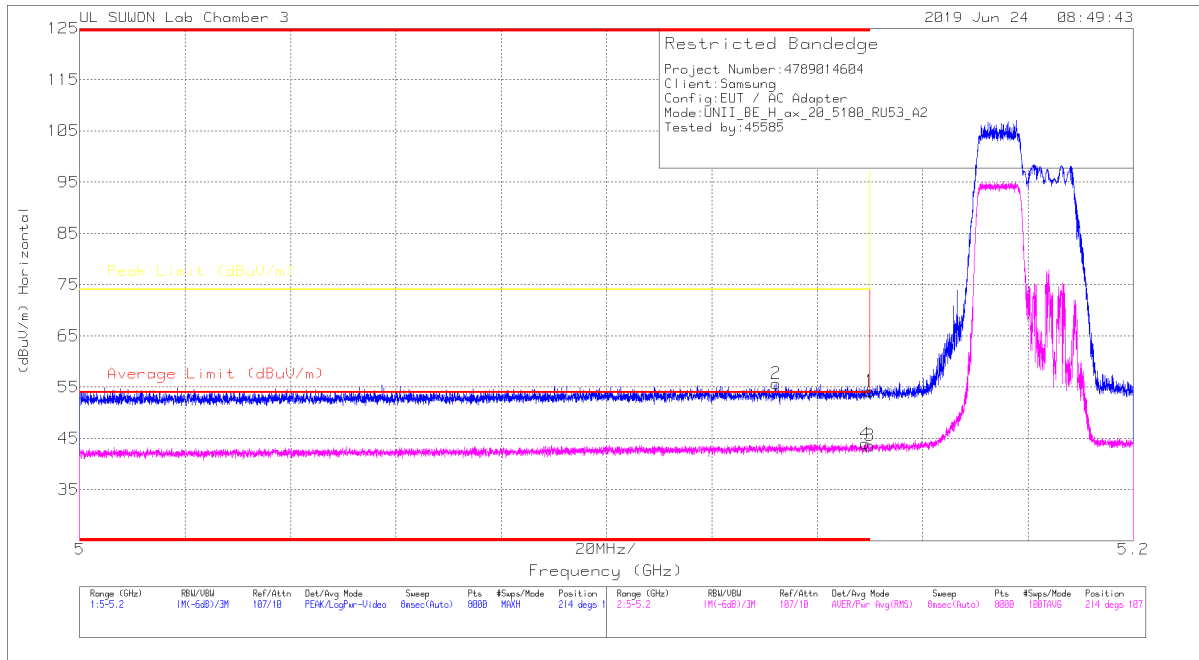
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

106T RU mode (ANT_2 / HE20 / RU offset 53)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

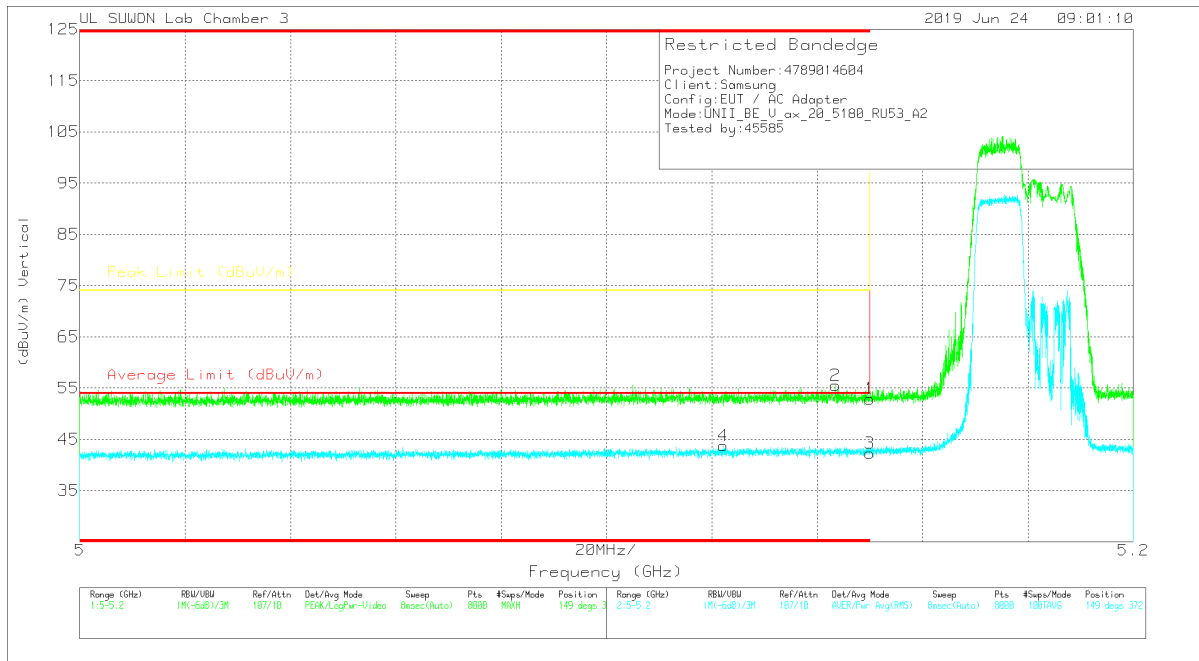
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.83	Pk	34.4	-19	0	54.23	-	-	74	-19.77	214	107	H
2	* 5.132	40.3	Pk	34.4	-19	0	55.7	-	-	74	-18.3	214	107	H
3	* 5.15	28.59	RMS	34.4	-19.4	0	43.59	54	-10.41	-	-	214	107	H
4	* 5.149	29.02	RMS	34.4	-19.4	0	44.02	54	-9.98	-	-	214	107	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.15	37.5	PK		-19	0	52.9	-	-	74	-21.1	149	372	V
2	* 5.143	40.25	PK		-19.1	0	55.55	-	-	74	-18.45	149	372	V
3	* 5.15	27.29	RMS		-19.4	0	42.29	54	-11.71	-	-	149	372	V
4	* 5.122	28.83	RMS		-19.5	0	43.73	54	-10.27	-	-	149	372	V

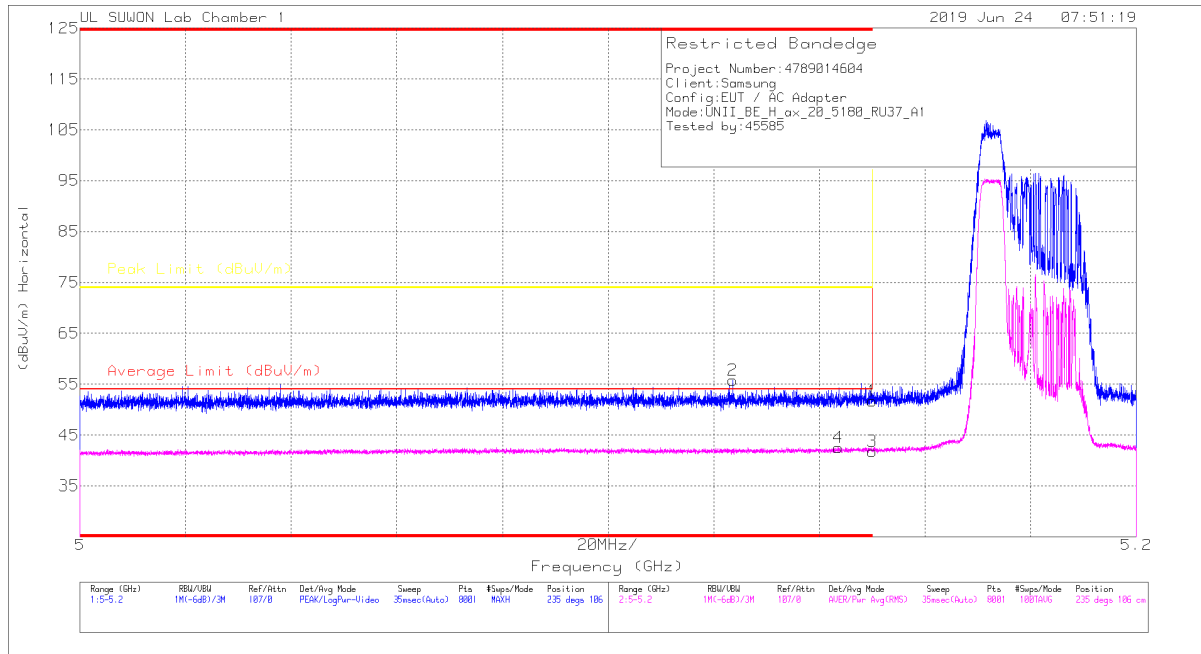
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

52T RU mode (ANT_1 / HE20 / RU offset 37)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB(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	5.15	38.94	Pk	34.5	-21.8	0	51.64	-	-	74	-22.36	235	106	H
2	* 5.12363	43.19	Pk	34.4	-21.8	0	55.79	-	-	74	-18.21	235	106	H
3	5.15	29.24	RMS	34.5	-22	0	41.74	54	-12.26	-	-	235	106	H
4	* 5.14355	30.18	RMS	34.4	-22	0	42.58	54	-11.42	-	-	235	106	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	5.15	38.69	Pk	34.5	-21.8	0	51.39	-	-	74	-22.61	279	313	V
2	* 5.13613	42.22	Pk	34.4	-21.8	0	54.82	-	-	74	-19.18	279	313	V
3	5.15	29.59	RMS	34.5	-22	0	42.09	54	-11.91	-	-	279	313	V
4	* 5.13255	30.36	RMS	34.4	-21.9	0	42.86	54	-11.14	-	-	279	313	V

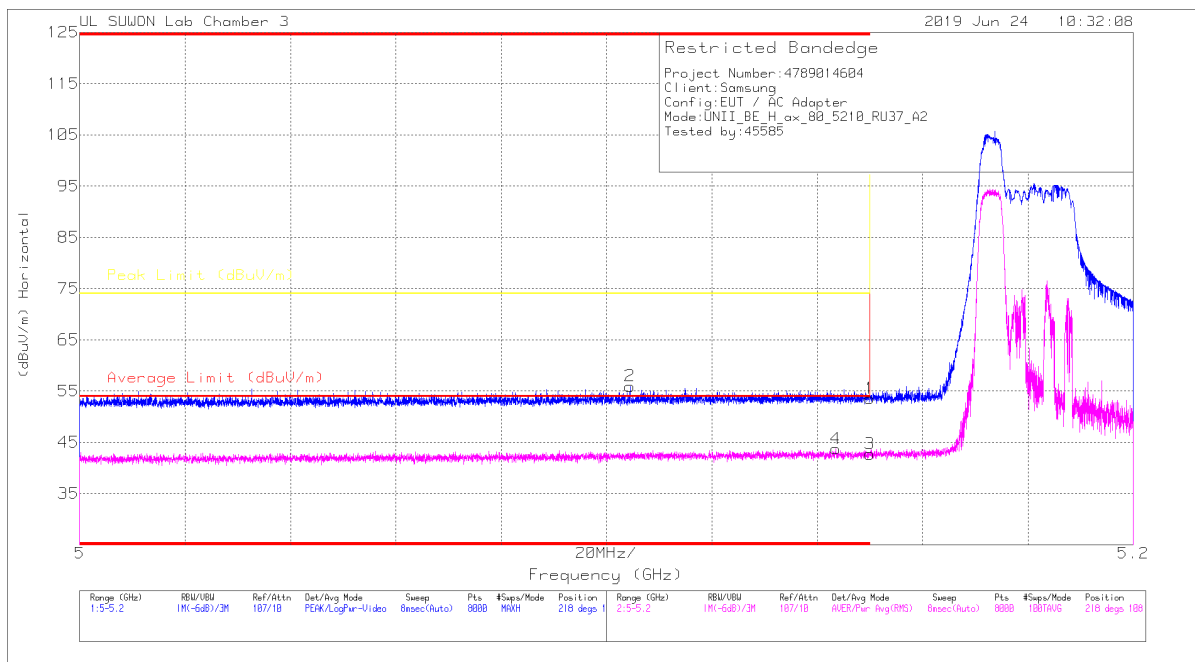
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

52T RU mode (ANT_2 / HE80 / RU offset 37)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	38.18	Pk	34.4	-19	0	53.58	-	-	74	-20.42	218	108	H
2	* 5.104	40.66	Pk	34.4	-19.1	0	55.96	-	-	74	-18.04	218	108	H
3	* 5.15	27.73	RMS	34.4	-19.4	0	42.73	54	-11.27	-	-	218	108	H
4	* 5.144	28.75	RMS	34.4	-19.4	0	43.75	54	-10.25	-	-	218	108	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.15	37.19	PK	34.4	-19	0	52.59	-	-	74	-21.41	159	369	V
2	* 5.014	40.73	PK	34.2	-19.2	0	55.73	-	-	74	-18.27	159	369	V
3	* 5.15	26.79	RMS	34.4	-19.4	0	41.79	54	-12.21	-	-	159	369	V
4	* 5.146	28.33	RMS	34.4	-19.4	0	43.33	54	-10.67	-	-	159	369	V

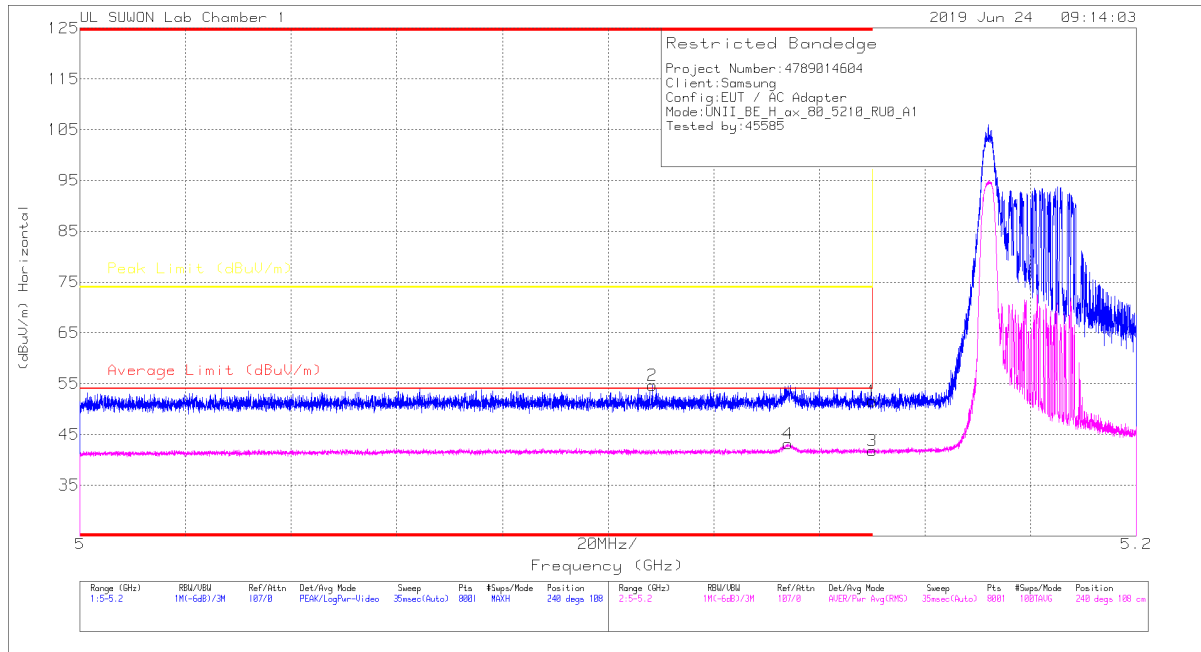
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

26T RU mode (ANT_1 / HE80 / RU offset 0)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

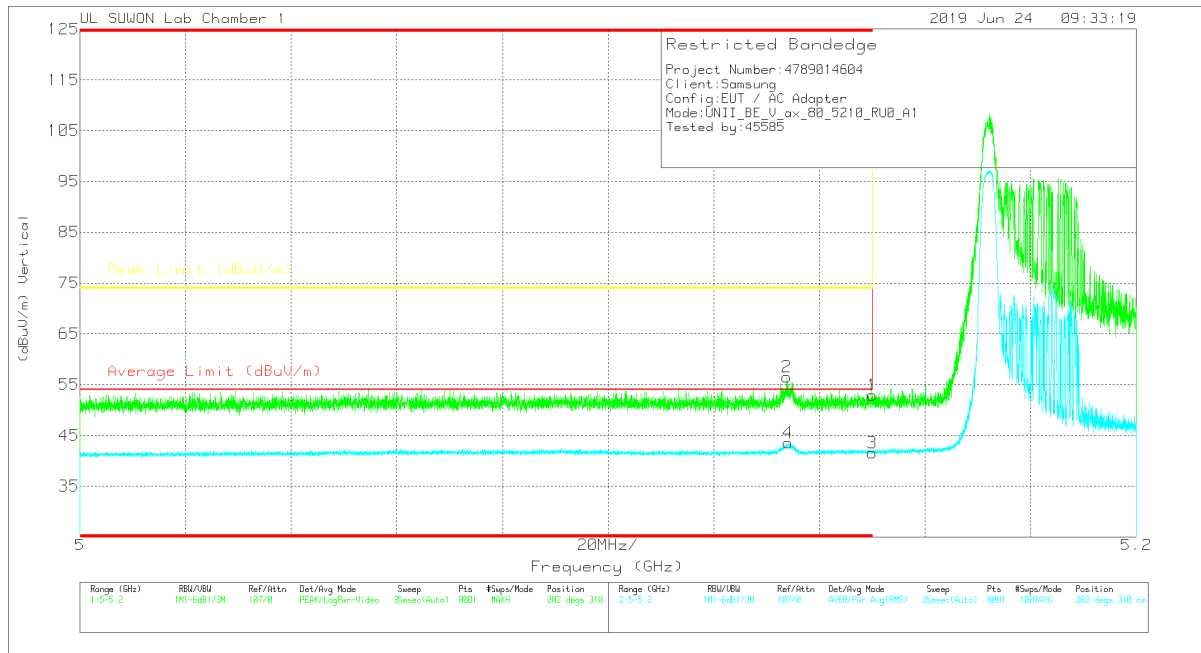
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	5.15	38.89	Pk	34.5	-21.8	0	51.59	-	-	74	-22.41	240	108	H
2	* 5.10843	42.11	Pk	34.4	-21.8	0	54.71	-	-	74	-19.29	240	108	H
3	5.15	29.33	RMS	34.5	-22	0	41.83	54	-12.17	-	-	240	108	H
4	* 5.13403	30.75	RMS	34.4	-22	0	43.15	54	-10.85	-	-	240	108	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168717	10dB[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	5.15	40.26	Pk	34.5	-21.8	0	52.96	-	-	74	-21.04	282	310	V
2	* 5.13378	43.82	Pk	34.4	-21.7	0	56.52	-	-	74	-17.48	282	310	V
3	5.15	28.99	RMS	34.5	-22	0	41.49	54	-12.51	-	-	282	310	V
4	* 5.13405	31.07	RMS	34.4	-22	0	43.47	54	-10.53	-	-	282	310	V

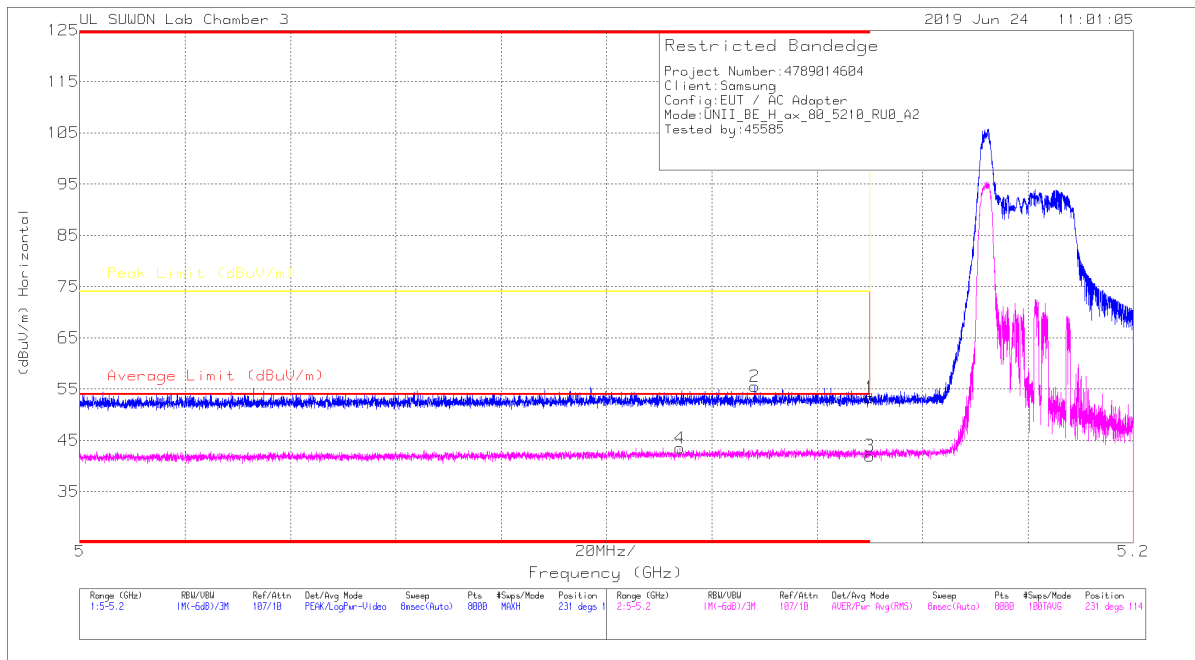
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

26T RU mode (ANT_2 / HE80 / RU offset 0)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

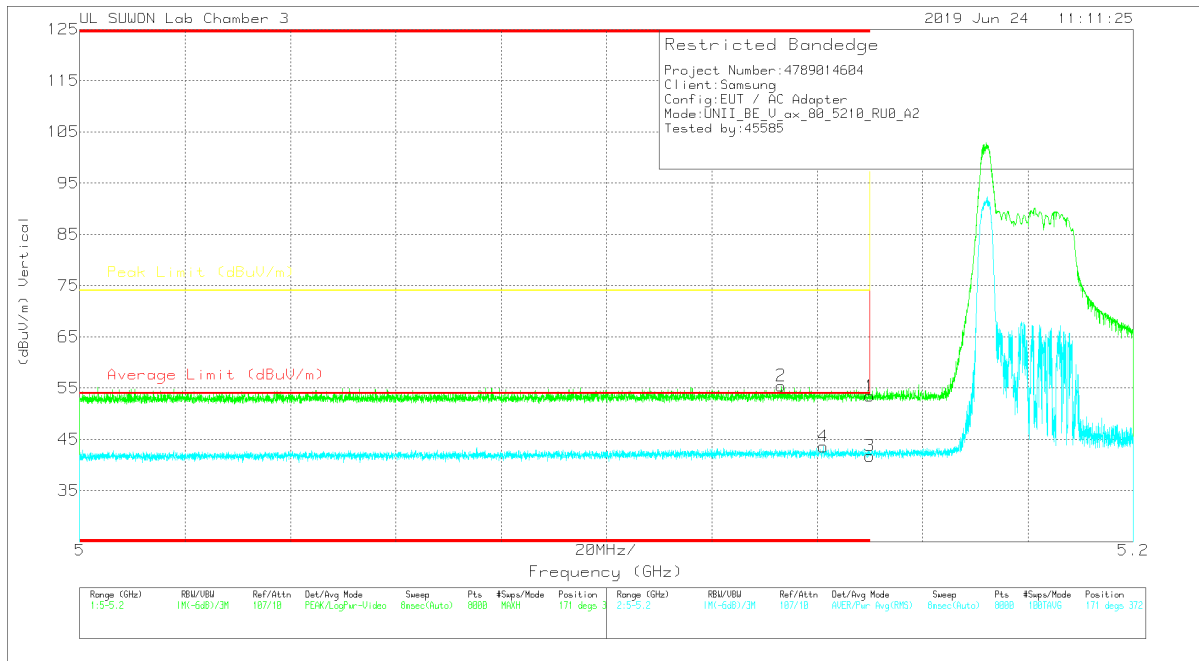
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	37.95	Pk	34.4	-19	0	53.35	-	-	74	-20.65	231	114	H
2	* 5.128	40.25	Pk	34.4	-19.1	0	55.55	-	-	74	-18.45	231	114	H
3	* 5.15	26.95	RMS	34.4	-19.4	0	41.95	54	-12.05	-	-	231	114	H
4	* 5.114	28.57	RMS	34.4	-19.5	0	43.47	54	-10.53	-	-	231	114	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.15	38.02	PK		-19	0	53.42	-	-	74	-20.58	171	372	V
2	* 5.133	40.05	PK		-19	0	55.45	-	-	74	-18.55	171	372	V
3	* 5.15	26.75	RMS		-19.4	0	41.75	54	-12.25	-	-	171	372	V
4	* 5.141	28.58	RMS		-19.4	0	43.58	54	-10.42	-	-	171	372	V

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

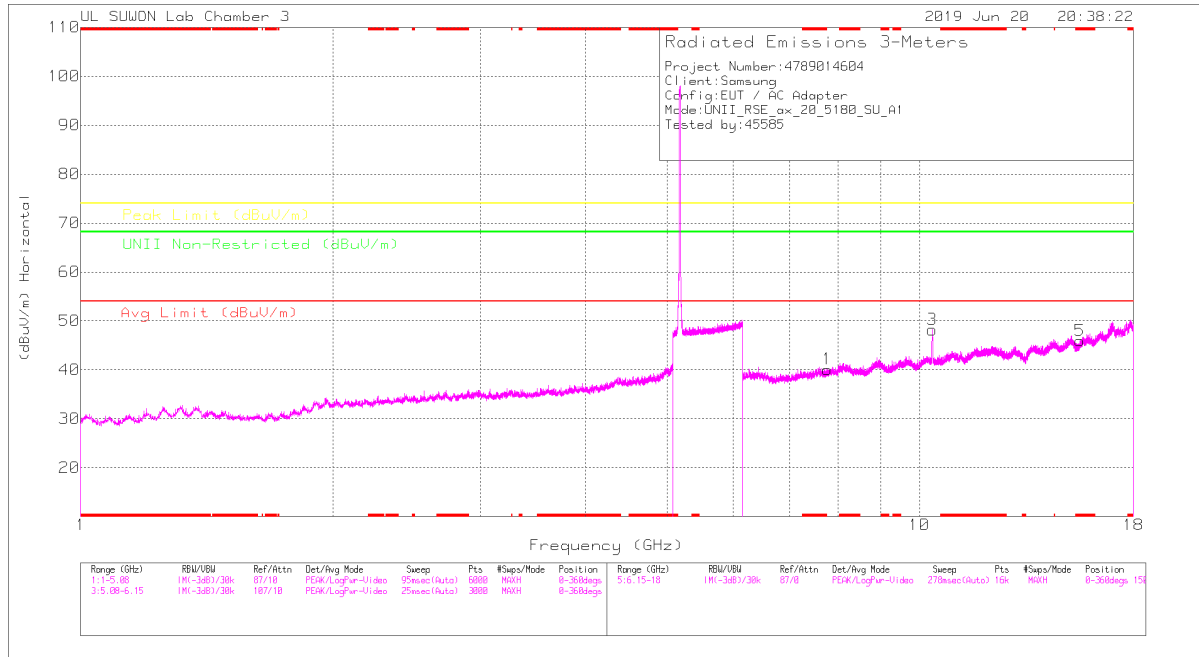
PK - Peak detector

RMS - RMS detection

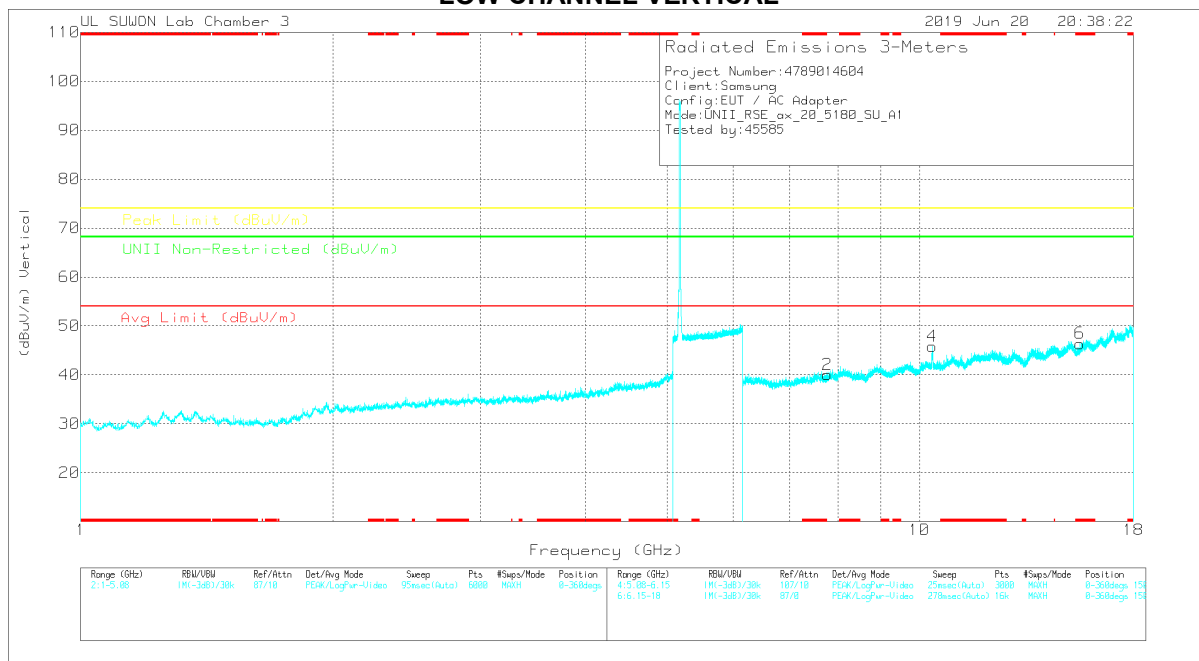
HARMONICS AND SPURIOUS EMISSIONS

HE20 SU mode (ANT_1)

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_00209559	6GHz_HP[dB]	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	7.771	27.31	PK	35.9	-23.1	0	40.11	-	-	-	-	68.2	-28.09	0-360	150	H
3	10.36	29.81	PK	37.6	-19.2	0	48.21	-	-	-	-	68.2	-19.99	0-360	150	H
5	* 15.542	25.42	PK	40.2	-19.7	0	45.92	-	-	74	-28.08	-	-	0-360	250	H
2	7.768	27.17	PK	35.9	-23	0	40.07	-	-	-	-	68.2	-28.13	0-360	250	V
4	10.361	27.43	PK	37.6	-19.2	0	45.83	-	-	-	-	68.2	-22.37	0-360	250	V
6	* 15.543	26	PK	40.2	-19.8	0	46.4	-	-	74	-27.6	-	-	0-360	150	V

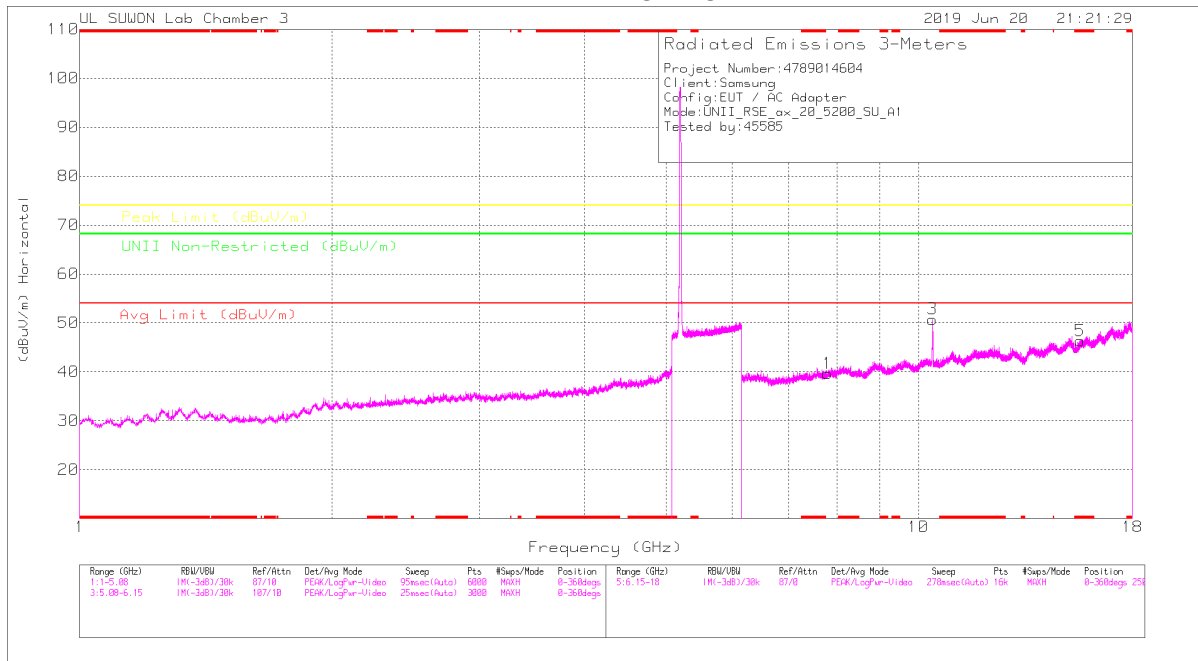
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

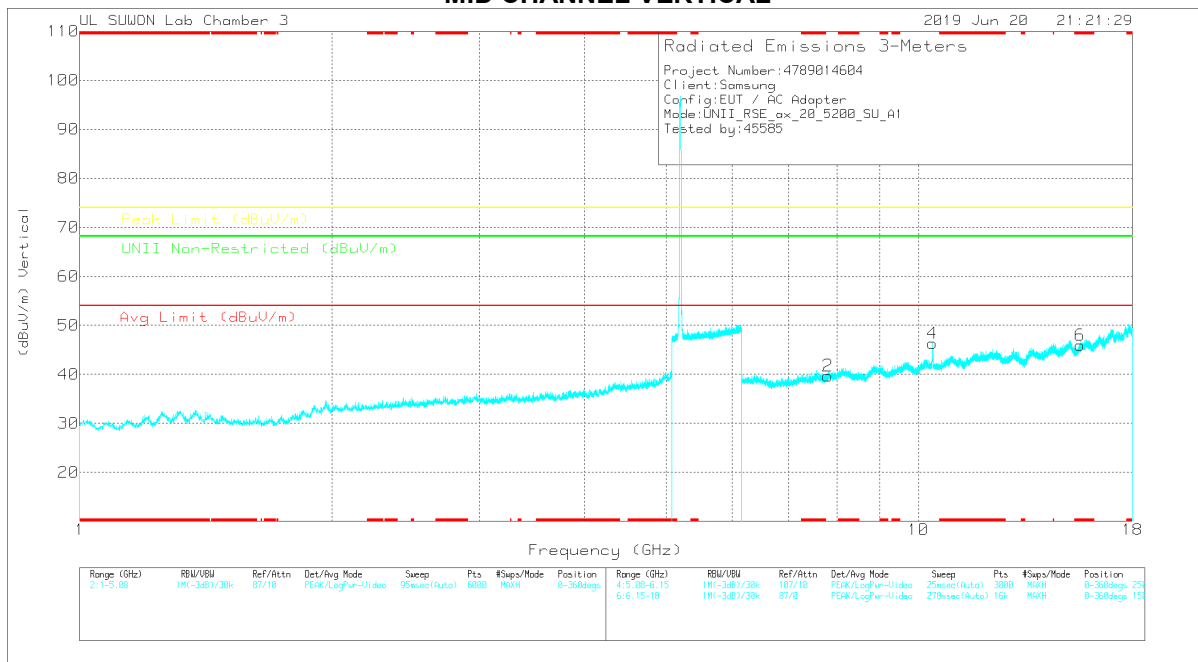
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209559	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.359	42.48	PK-U	37.6	-19.2	0	60.88	-	-	-	-	68.2	-7.32	175	103	H
10.368	37.82	PK-U	37.6	-19.2	0	56.22	-	-	-	-	68.2	-11.98	151	262	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak

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_00205959	6GHz_HP[dB]	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)	Altitude (Degs)	Height (cm)	Polarity
1	7.796	25.64	PK	35.9	-22.9	0	39.64	-	-	-	-	68.2	-28.56	0-360	250	H
3	10.398	32.36	PK	37.6	-19.2	0	50.76	-	-	-	-	68.2	-17.44	0-360	150	H
5	* 15.599	25.64	PK	40.2	-19.5	0	46.34	-	-	74	-27.66	-	-	0-360	150	H
2	7.8	26.59	PK	35.9	-22.8	0	39.69	-	-	-	-	68.2	-28.51	0-360	150	V
4	10.398	27.93	PK	37.6	-19.2	0	46.33	-	-	-	-	68.2	-21.87	0-360	150	V
6	* 15.599	25.22	PK	40.2	-19.5	0	45.92	-	-	74	-28.08	-	-	0-360	250	V

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

PK – Peak Detector

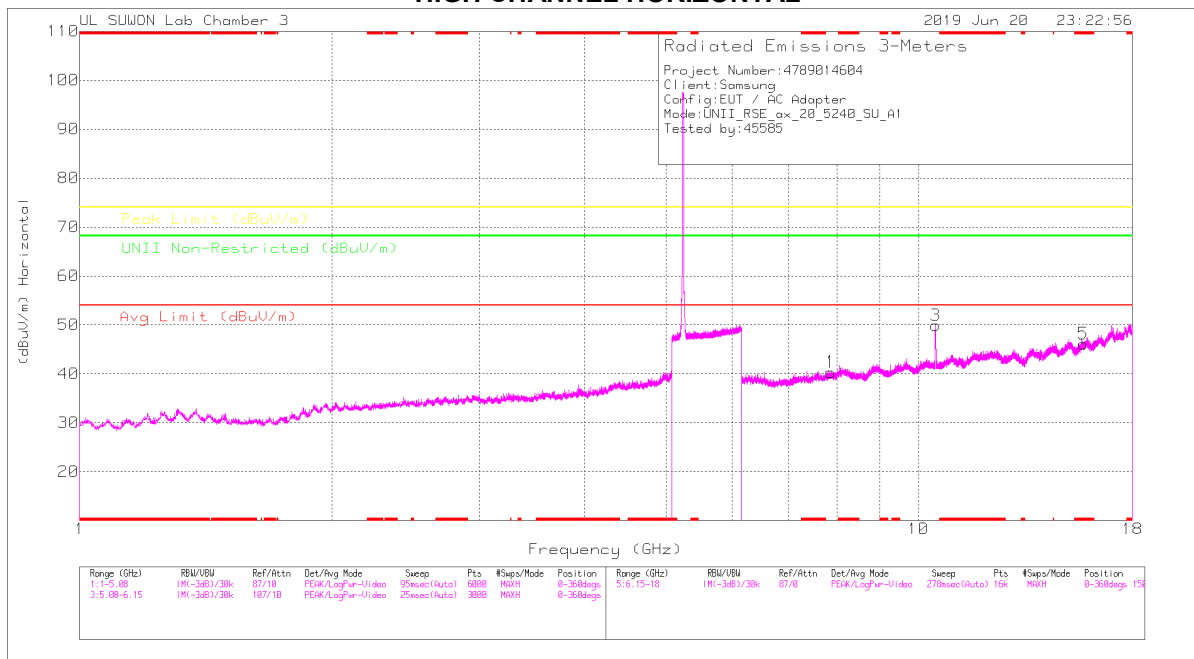
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	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)	Altitude (Degs)	Height (cm)	Polarity
10.4	42.27	PK-U	37.6	-19.3	0	60.57	-	-	-	-	68.2	-7.63	213	100	H
10.388	38.96	PK-U	37.6	-19.2	0	57.36	-	-	-	-	68.2	-10.84	151	251	V

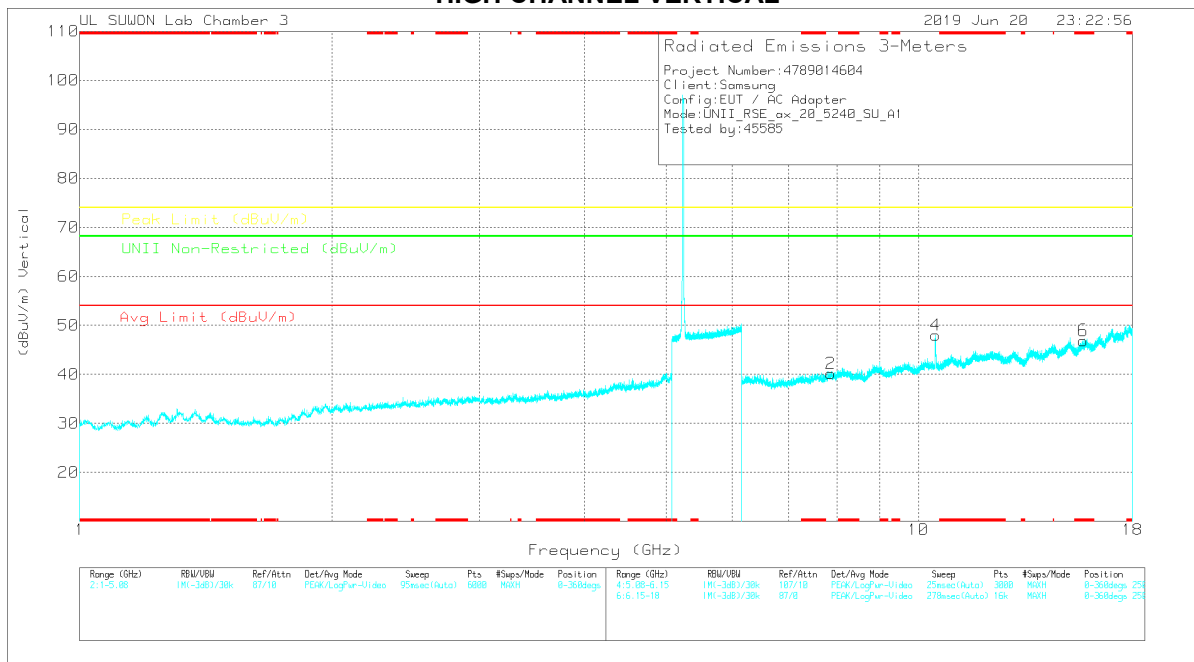
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00205959	6GHz_HP[dB]	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	7.865	26.96	PK	35.9	-22.5	0	40.36	-	-	-	-	68.2	-27.84	0-360	150	H
3	10.478	31.49	PK	37.7	-19.3	0	49.89	-	-	-	-	68.2	-18.31	0-360	150	H
5	* 15.718	24.83	PK	40.4	-19.1	0	46.13	-	-	74	-27.87	-	-	0-360	250	H
2	7.864	26.67	PK	35.9	-22.4	0	40.17	-	-	-	-	68.2	-28.03	0-360	250	V
4	10.48	29.57	PK	37.7	-19.3	0	47.97	-	-	-	-	68.2	-20.23	0-360	250	V
6	* 15.719	25.68	PK	40.4	-19.2	0	46.88	-	-	74	-27.12	-	-	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

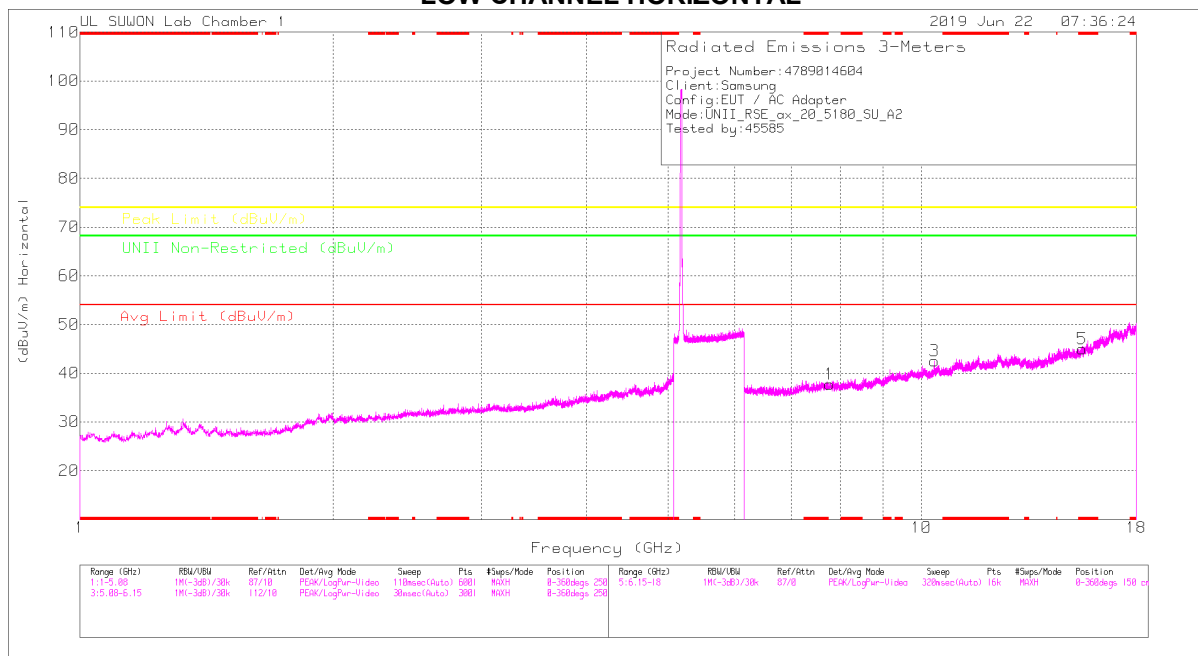
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.485	43.34	PK-U	37.7	-19.3	0	61.74	-	-	-	-	68.2	-6.46	211	103	H
10.478	39.8	PK-U	37.7	-19.3	0	58.2	-	-	-	-	68.2	-10	148	263	V

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

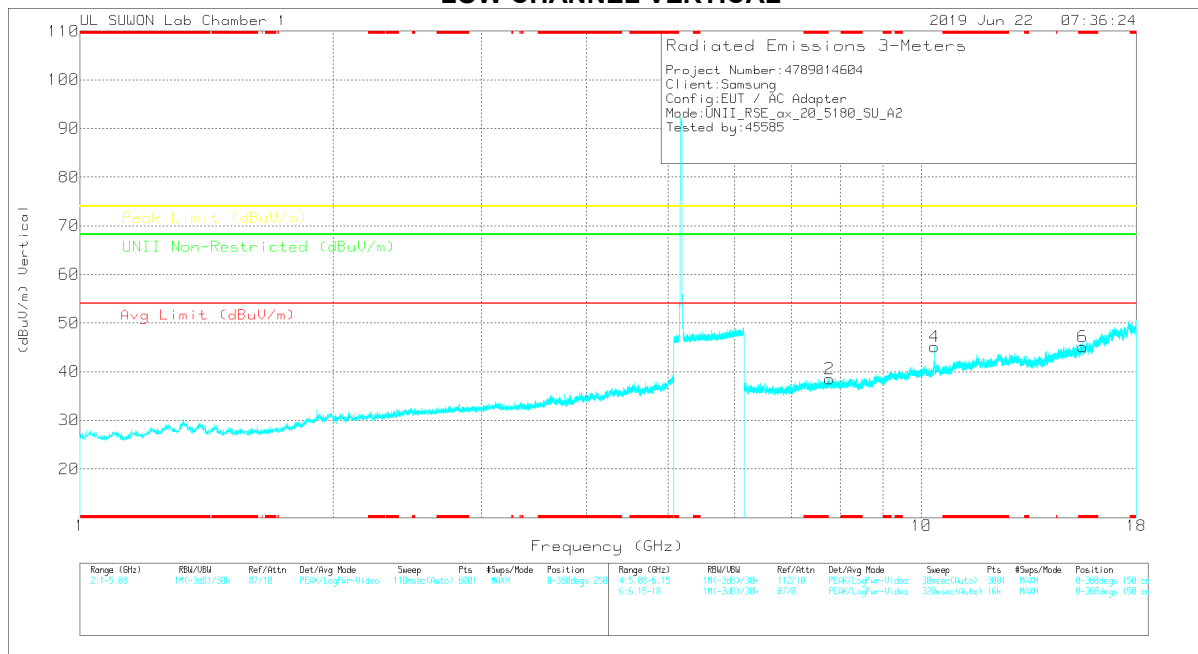
PK-U - U-NII: Maximum Peak

HE20 SU mode (ANT_2)

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_00168717	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.77779	28.29	PK	35.9	-26.5	0	37.69	-	-	-	-	68.2	-30.51	0-360	150	H
3	10.35797	27.22	PK	37.6	-22.3	0	42.52	-	-	-	-	68.2	-25.68	0-360	150	H
5	* 15.53314	25.45	PK	40.2	-20.7	0	44.95	-	-	74	-29.05	-	-	0-360	250	H
2	7.77779	29.14	PK	35.9	-26.5	0	38.54	-	-	-	-	68.2	-29.66	0-360	250	V
4	10.36093	29.78	PK	37.6	-22.3	0	45.08	-	-	-	-	68.2	-23.12	0-360	250	V
6	* 15.5435	25.66	PK	40.2	-20.8	0	45.06	-	-	74	-28.94	-	-	0-360	150	V

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

PK – Peak Detector

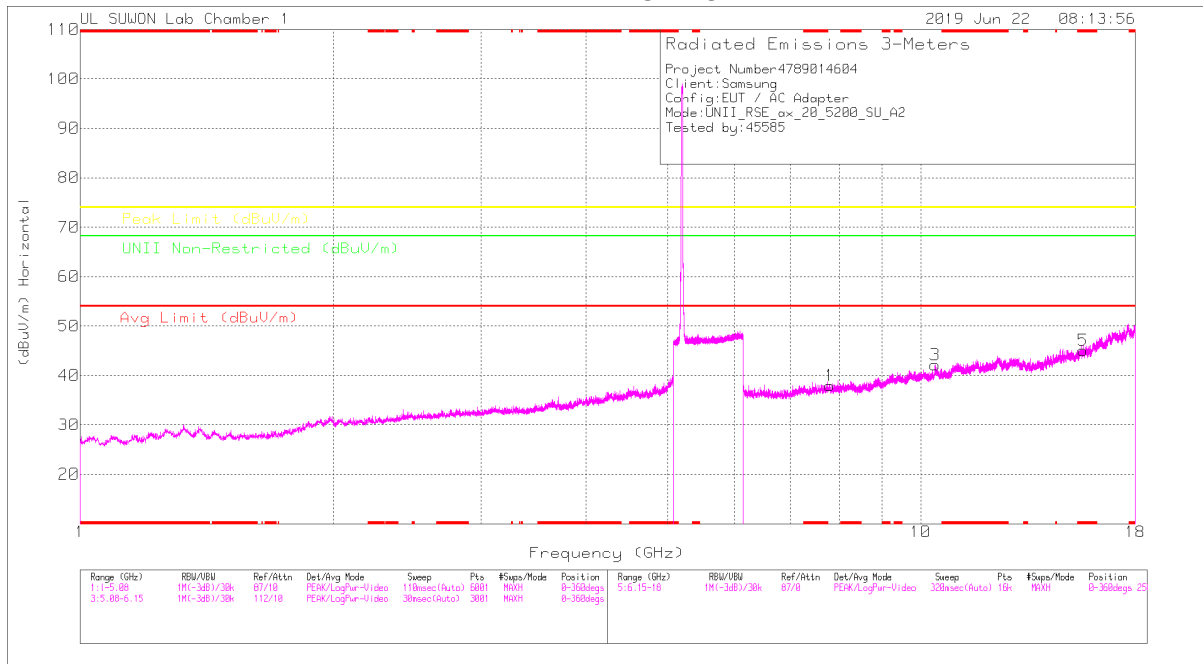
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.35045	40.68	PK-U	37.6	-22.4	0	55.88	-	-	-	-	68.2	-12.32	184	105	H
10.35781	39.85	PK-U	37.6	-22.3	0	55.15	-	-	-	-	68.2	-13.05	233	216	V

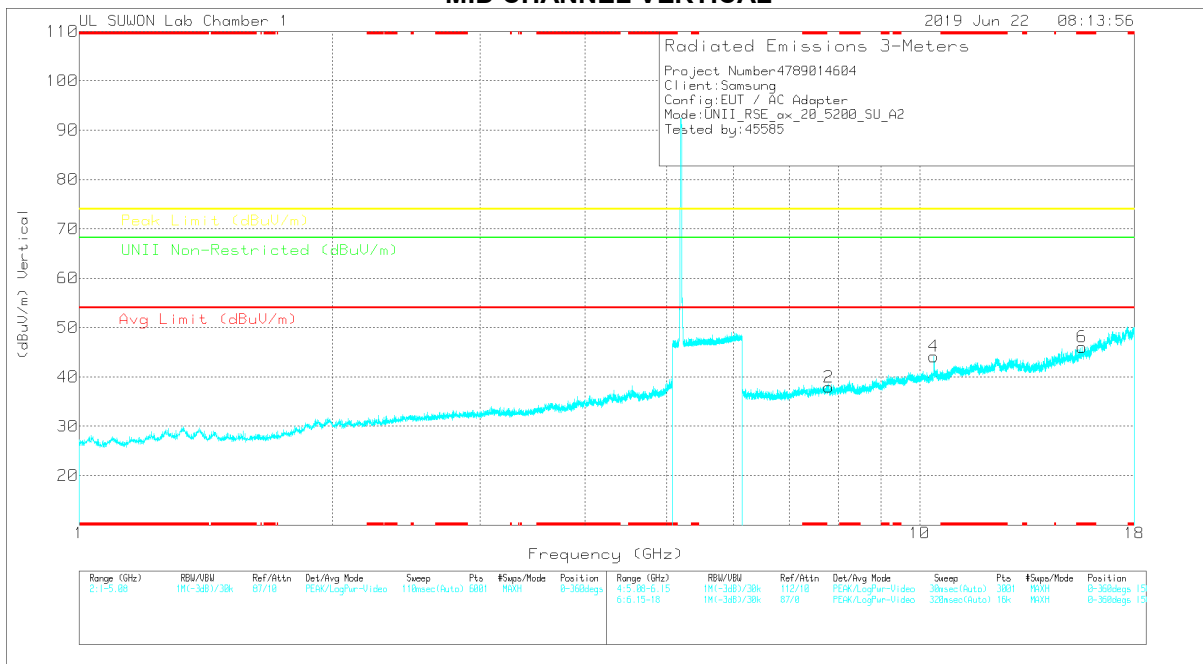
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

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_00168717	6GHz_HP[dB]	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	7.79631	28.51	PK	35.9	-26.5	0	37.91	-	-	-	-	68.2	-30.29	0-360	150	H
3	10.40241	26.23	PK	37.6	-21.7	0	42.13	-	-	-	-	68.2	-26.07	0-360	150	H
5	* 15.59831	26.18	PK	40.2	-21.3	0	45.08	-	-	74	-28.92	-	-	0-360	150	H
2	7.80149	28.52	PK	35.9	-26.5	0	37.92	-	-	-	-	68.2	-30.28	0-360	250	V
4	10.39944	28.34	PK	37.6	-21.8	0	44.14	-	-	-	-	68.2	-24.06	0-360	150	V
6	* 15.59905	27.14	PK	40.2	-21.3	0	46.04	-	-	74	-27.96	-	-	0-360	250	V

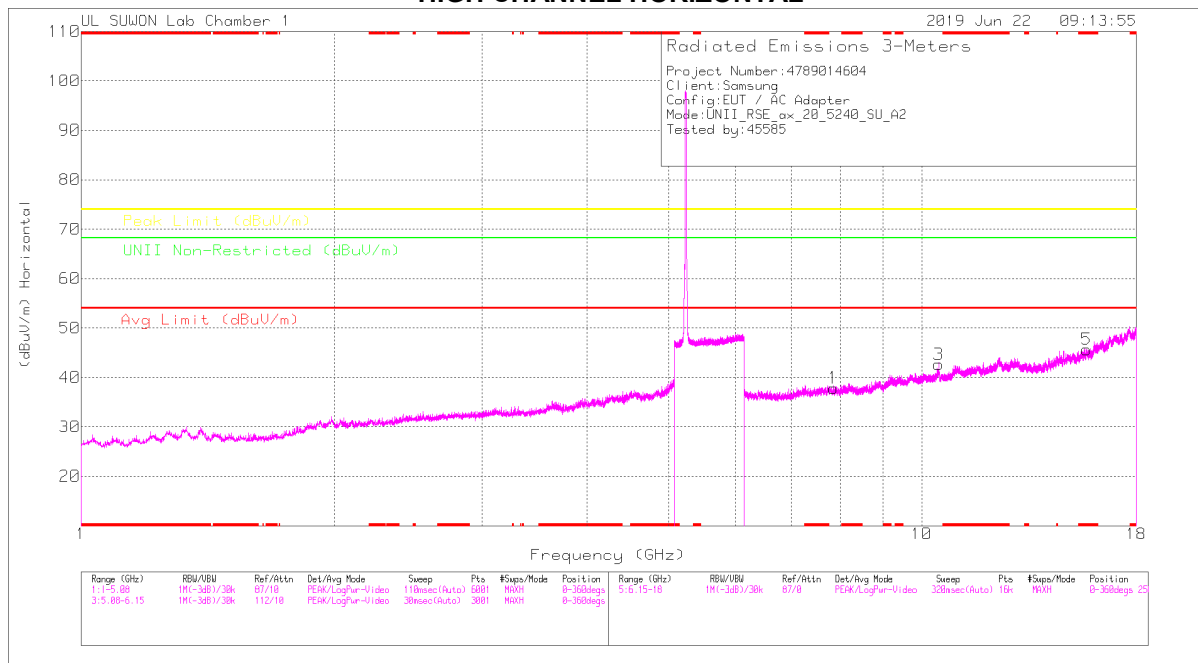
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

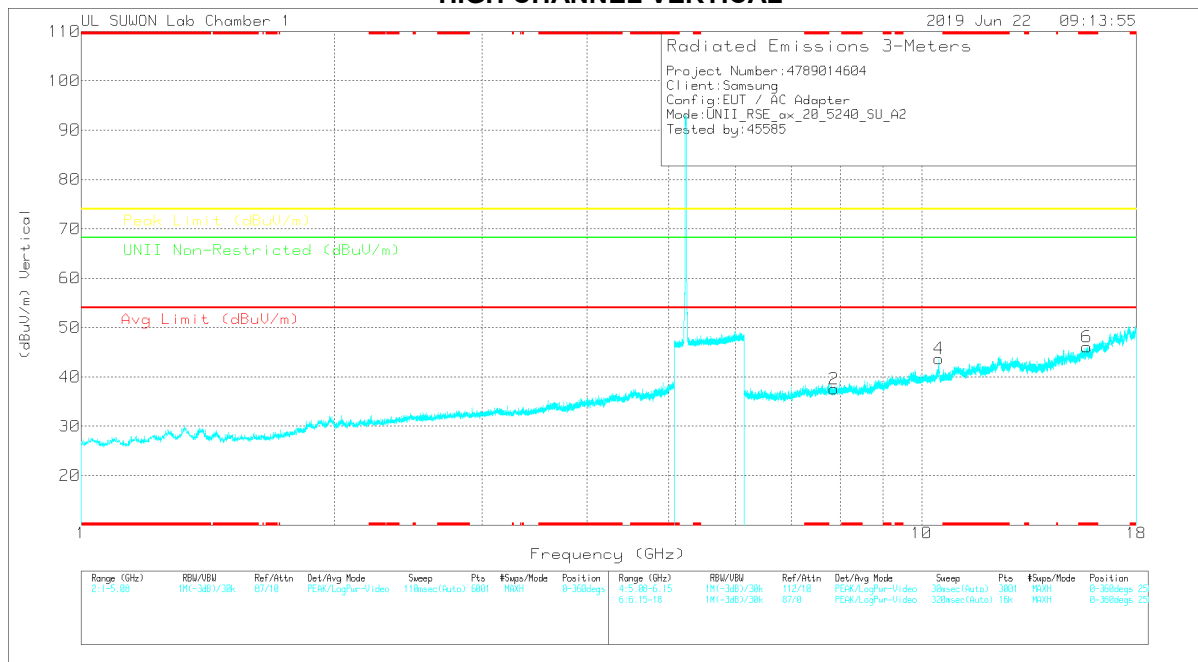
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.39897	39.37	PK-U	37.6	-21.8	0	55.17	-	-	-	-	68.2	-13.03	184	105	H
10.39553	39.27	PK-U	37.6	-21.9	0	54.97	-	-	-	-	68.2	-13.23	213	219	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00168717	6GHz_HP[dB]	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	7.85555	28.56	PK	35.9	-26.6	0	37.86	-	-	-	-	68.2	-30.34	0-360	250	H
3	10.47498	26.72	PK	37.7	-21.8	0	42.62	-	-	-	-	68.2	-25.58	0-360	250	H
5	* 15.7131	26.26	PK	40.4	-21	0	45.66	-	-	74	-28.34	-	-	0-360	150	H
2	7.86074	28.33	PK	35.9	-26.7	0	37.53	-	-	-	-	68.2	-30.67	0-360	150	V
4	10.47794	27.8	PK	37.7	-21.8	0	43.7	-	-	-	-	68.2	-24.5	0-360	150	V
6	* 15.72347	26.69	PK	40.4	-21	0	46.09	-	-	74	-27.91	-	-	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

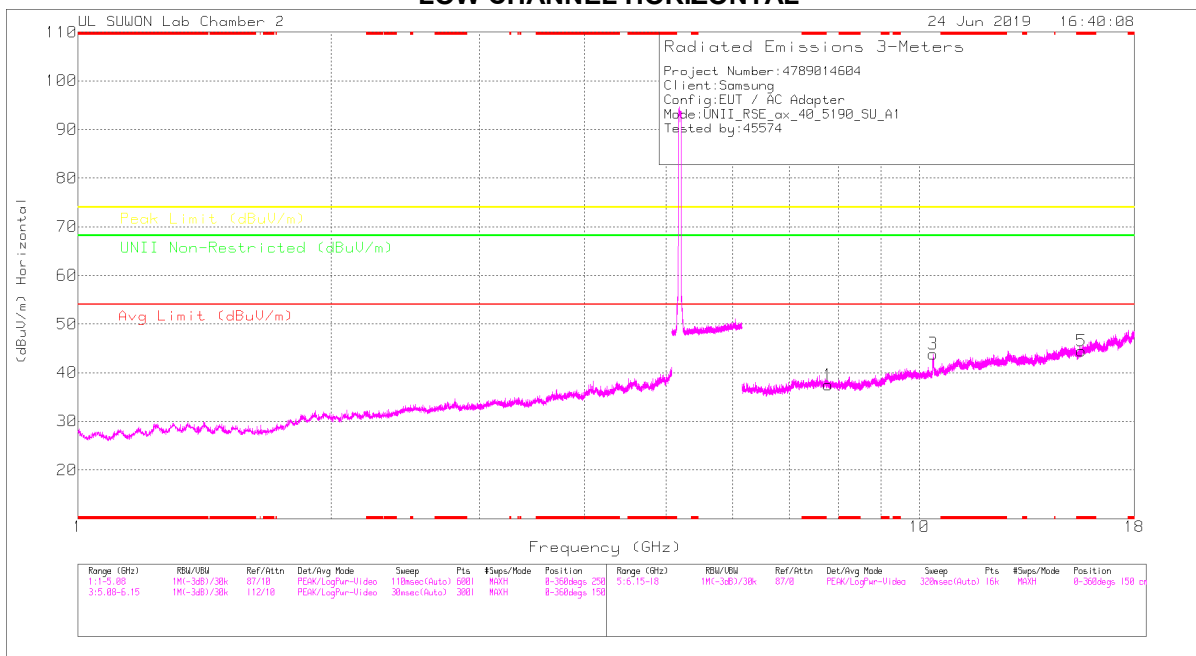
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.48106	39.33	PK-U	37.7	-21.8	0	55.23	-	-	-	-	68.2	-12.97	189	100	H
10.4813	39.24	PK-U	37.7	-21.8	0	55.14	-	-	-	-	68.2	-13.06	211	214	V

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

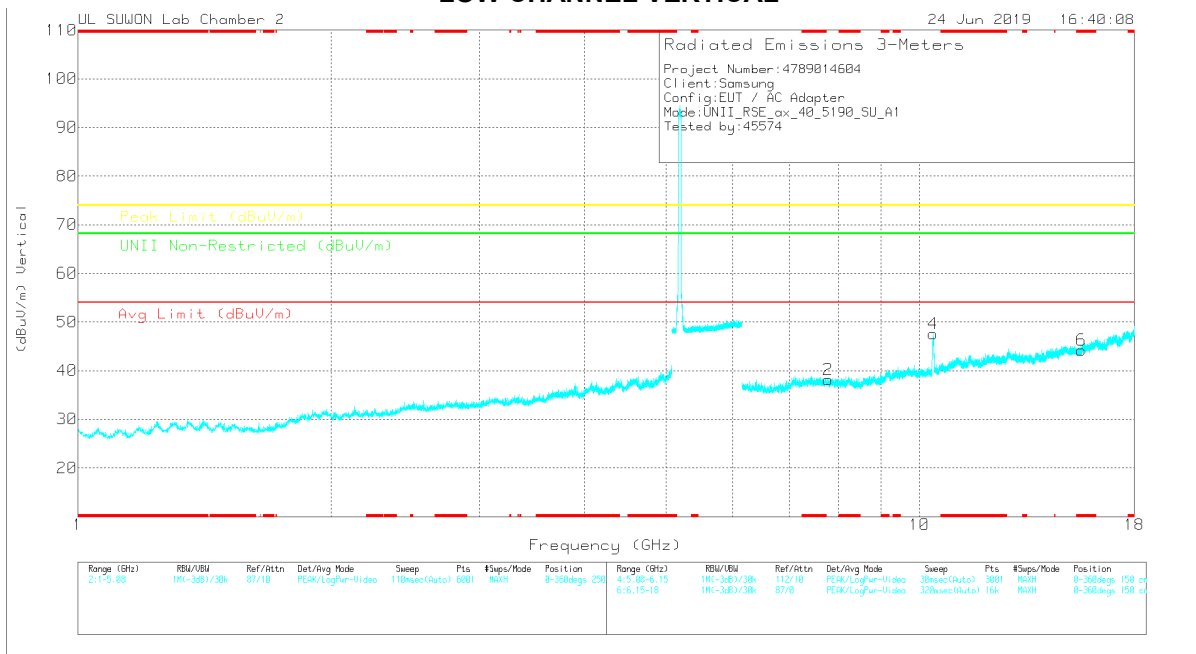
PK-U - U-NII: Maximum Peak

HE40 SU mode (ANT_1)

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_00168724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.785	25.31	PK	36	-23.8	0	37.51	-	-	-	-	68.2	-30.69	0-360	150	H
3	10.379	27.28	PK	37.6	-21	0	43.88	-	-	-	-	68.2	-24.32	0-360	150	H
5	* 15.569	24.25	PK	40	-19.8	0	44.45	-	-	74	-29.55	-	-	0-360	150	H
2	7.785	25.89	PK	36	-23.8	0	38.09	-	-	-	-	68.2	-30.11	0-360	150	V
4	10.376	30.93	PK	37.6	-21	0	47.53	-	-	-	-	68.2	-20.67	0-360	250	V
6	* 15.571	23.92	PK	40	-19.7	0	44.22	-	-	74	-29.78	-	-	0-360	150	V

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

PK – Peak Detector

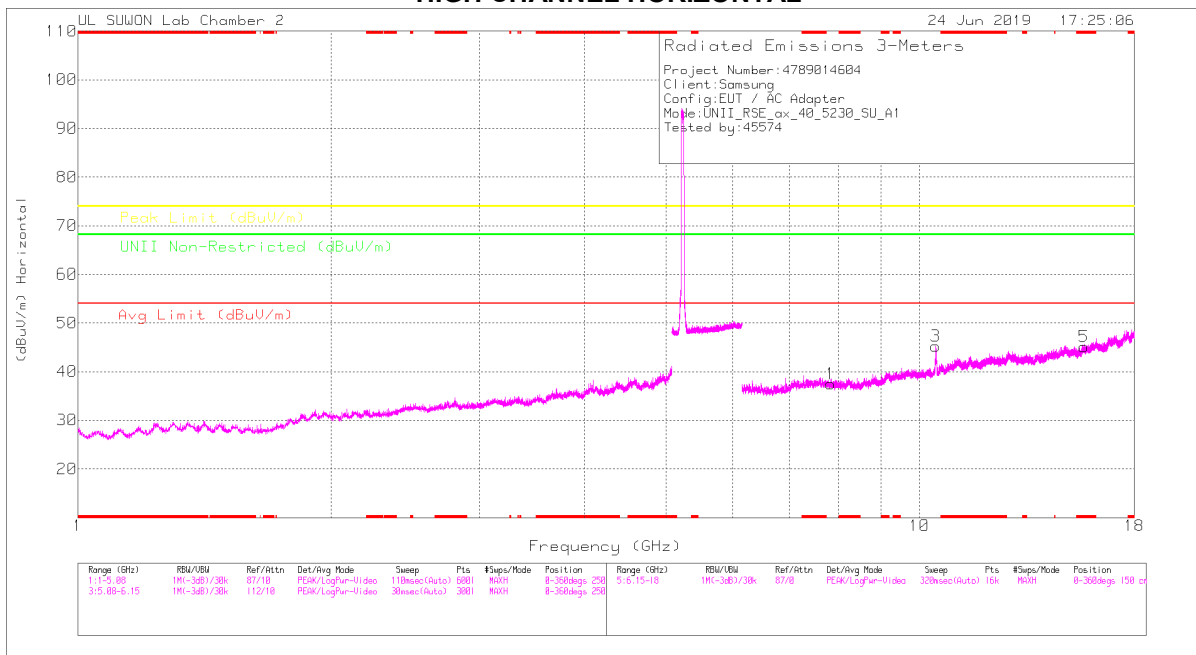
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.379	38.73	PK-U	37.6	-21	0	55.33	-	-	-	-	68.2	-12.87	247	125	H
10.383	43.38	PK-U	37.6	-21	0	59.98	-	-	-	-	68.2	-8.22	152	188	V

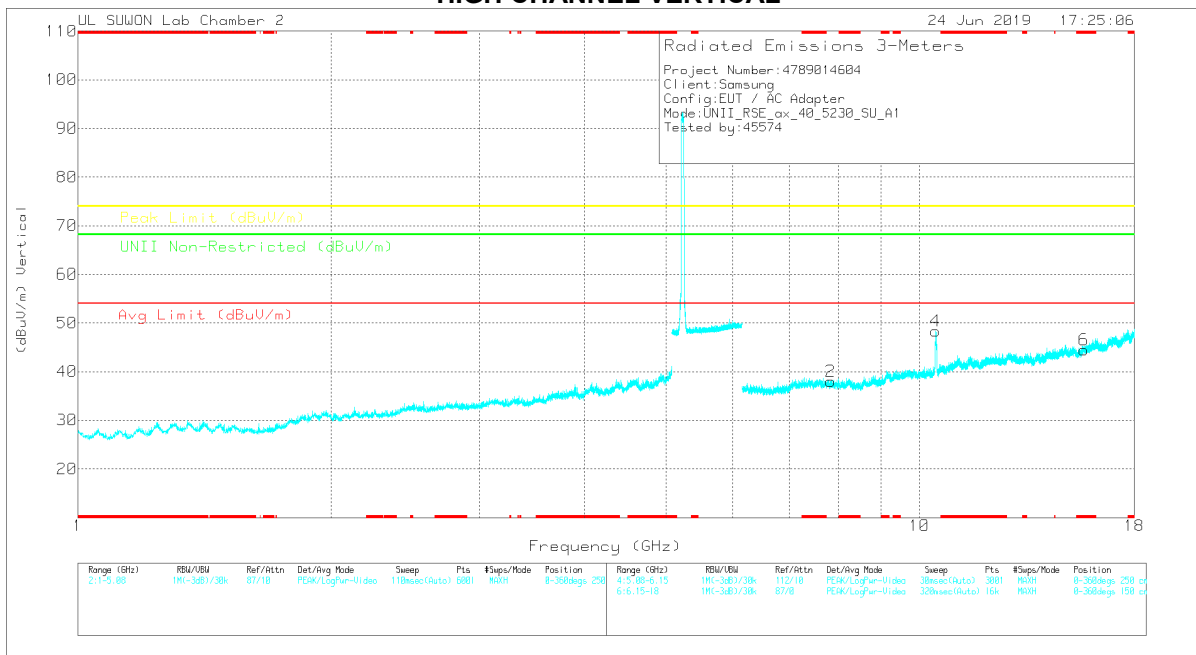
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.844	25.83	PK	36	-24.4	0	37.43	-	-	-	-	68.2	-30.77	0-360	150	H
3	10.459	28.38	PK	37.6	-20.7	0	45.28	-	-	-	-	68.2	-22.92	0-360	150	H
5	* 15.689	24.7	PK	40.2	-19.8	0	45.1	-	-	74	-28.9	-	-	0-360	150	H
2	7.846	26.39	PK	36	-24.4	0	37.99	-	-	-	-	68.2	-30.21	0-360	250	V
4	10.458	31.41	PK	37.6	-20.7	0	48.31	-	-	-	-	68.2	-19.89	0-360	250	V
6	* 15.69	24.09	PK	40.2	-19.8	0	44.49	-	-	74	-29.51	-	-	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

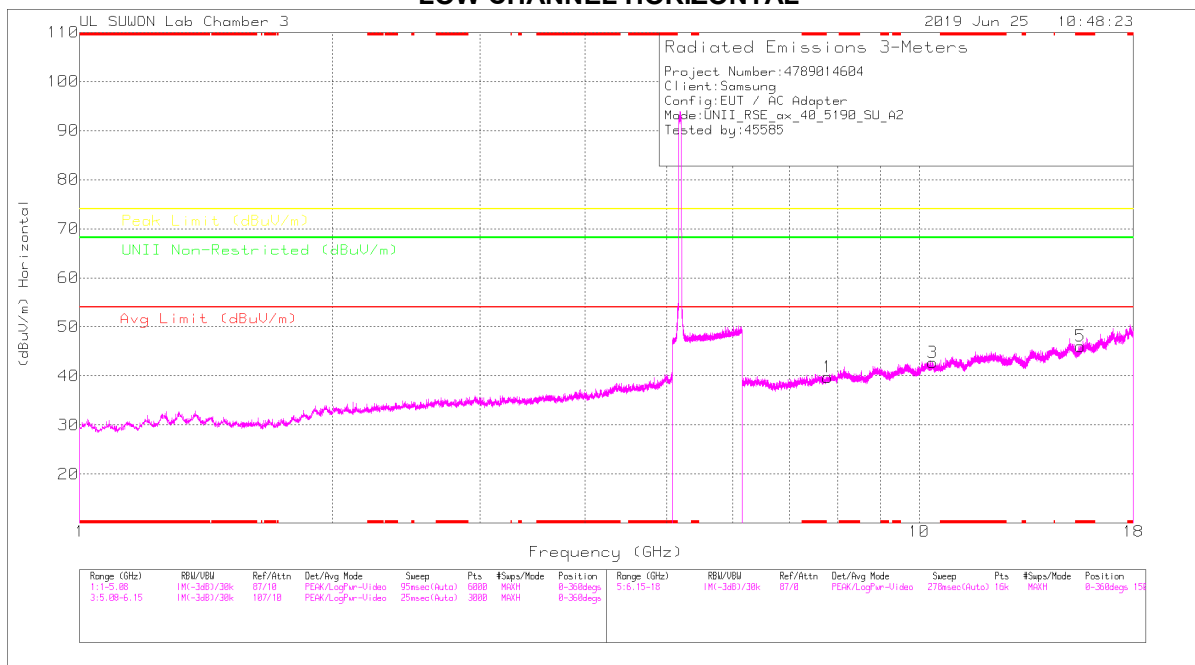
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.475	39.03	PK-U	37.7	-20.8	0	55.93	-	-	-	-	68.2	-12.27	247	121	H
10.469	41.47	PK-U	37.7	-20.7	0	58.47	-	-	-	-	68.2	-9.73	152	152	V

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

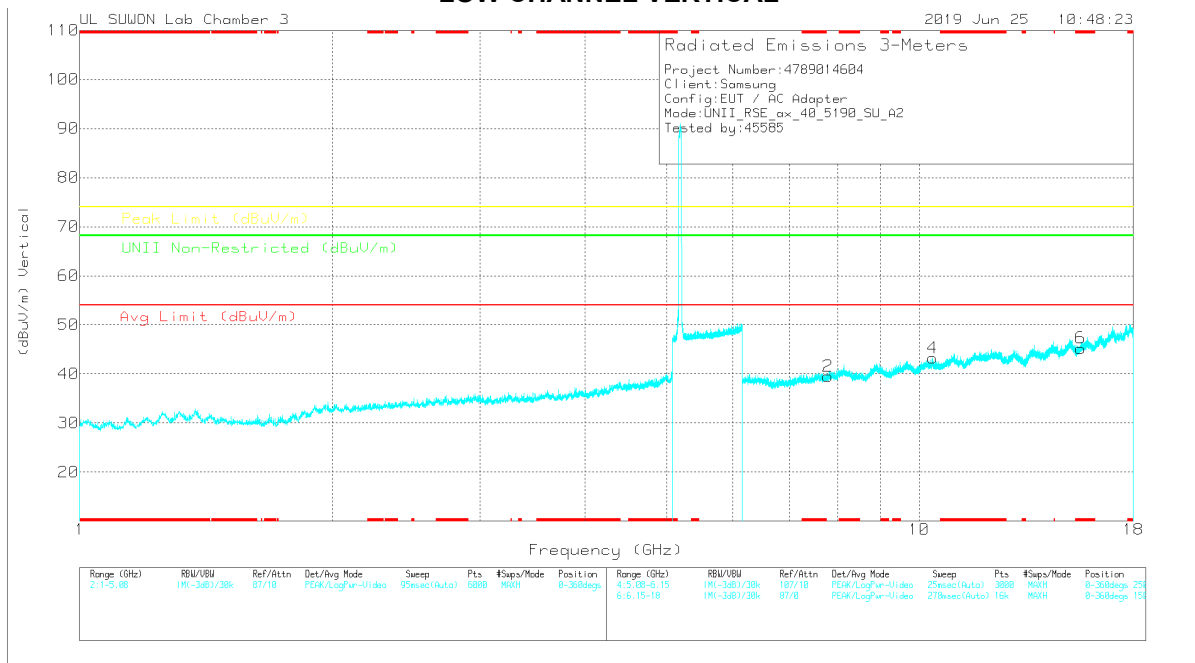
PK-U - U-NII: Maximum Peak

HE40 SU mode (ANT_2)

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

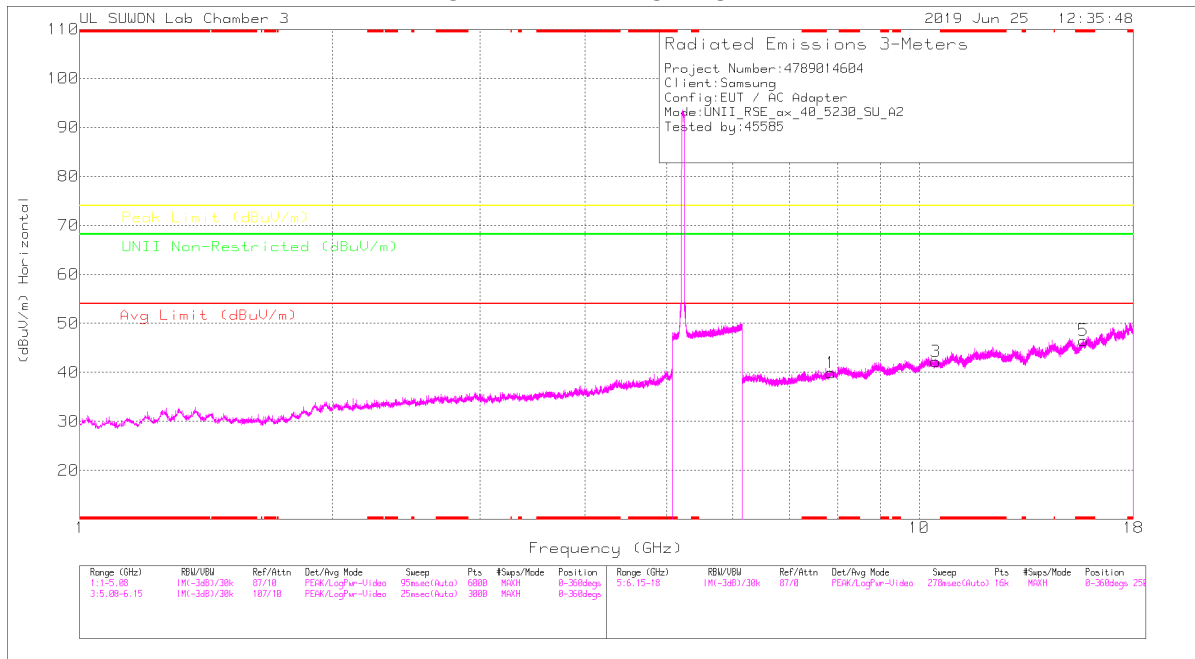
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.781	26.83	PK	35.9	-23	0	39.73	-	-	-	-	68.2	-28.47	0-360	150	H
3	10.381	24.2	PK	37.6	-19.1	0	42.7	-	-	-	-	68.2	-25.5	0-360	150	H
5	* 15.569	25.42	PK	40.2	-19.6	0	46.02	-	-	74	-27.98	-	-	0-360	150	H
2	7.788	26.62	PK	35.9	-23	0	39.52	-	-	-	-	68.2	-28.68	0-360	150	V
4	10.377	24.73	PK	37.6	-19.1	0	43.23	-	-	-	-	68.2	-24.97	0-360	150	V
6	* 15.574	24.64	PK	40.2	-19.6	0	45.24	-	-	74	-28.76	-	-	0-360	250	V

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

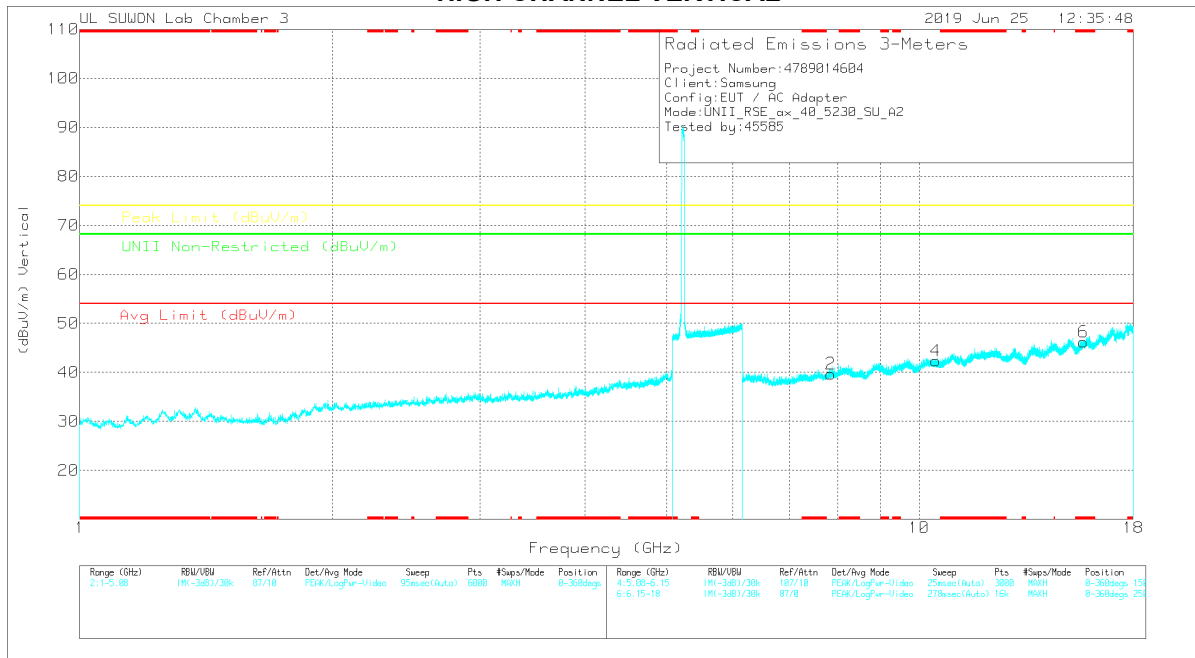
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.845	26.52	PK	35.9	-22.5	0	39.92	-	-	-	-	68.2	-28.28	0-360	250	H
3	10.463	23.9	PK	37.7	-19.4	0	42.2	-	-	-	-	68.2	-26	0-360	150	H
5	* 15.691	25.39	PK	40.4	-19.3	0	46.49	-	-	74	-27.51	-	-	0-360	250	H
2	7.849	26.29	PK	35.9	-22.5	0	39.69	-	-	-	-	68.2	-28.51	0-360	150	V
4	10.463	24.06	PK	37.7	-19.4	0	42.36	-	-	-	-	68.2	-25.84	0-360	250	V
6	* 15.688	25.11	PK	40.4	-19.3	0	46.21	-	-	74	-27.79	-	-	0-360	250	V

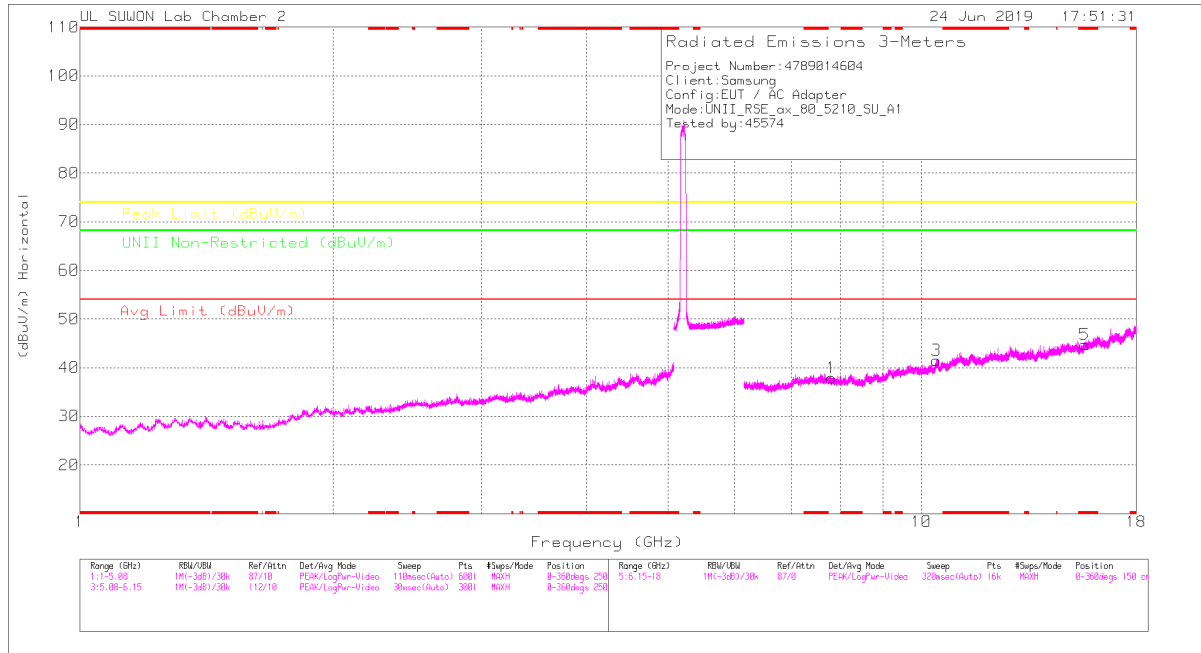
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

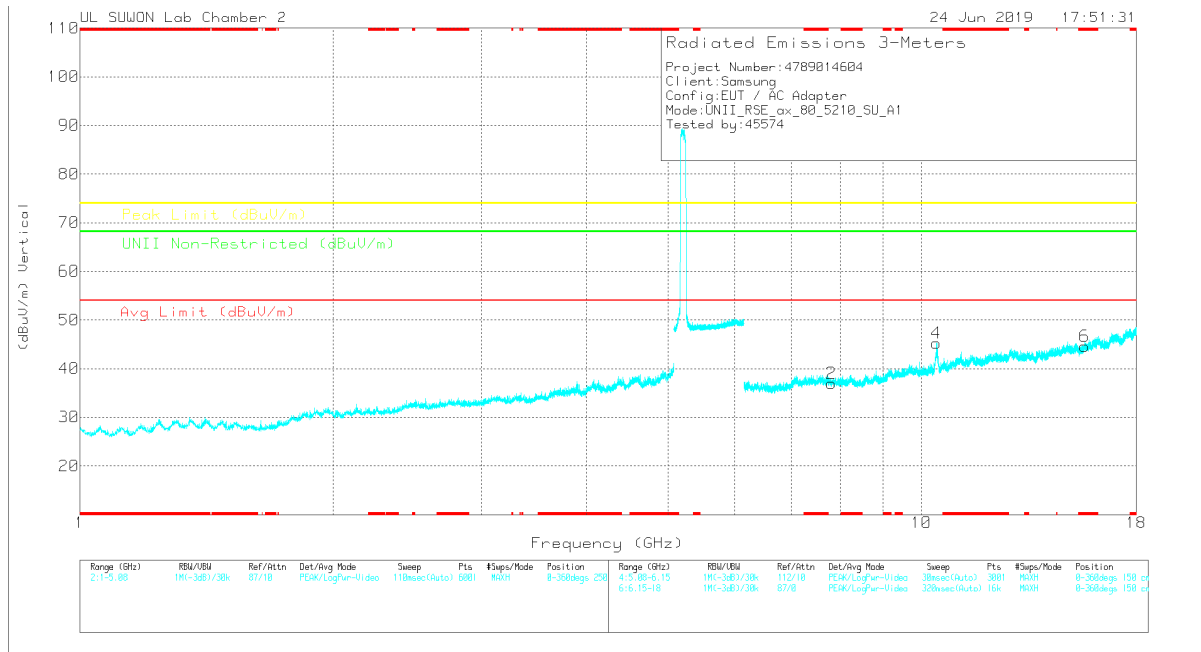
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HE80 SU mode (ANT_1)

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_00168724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.817	25.85	PK	36	-24	0	37.85	-	-	-	-	68.2	-30.35	0-360	150	H
3	10.416	24.83	PK	37.6	-20.9	0	41.53	-	-	-	-	68.2	-26.67	0-360	150	H
5	* 15.631	24.52	PK	40.1	-19.9	0	44.72	-	-	74	-29.28	-	-	0-360	250	H
2	7.814	25	PK	36	-24	0	37	-	-	-	-	68.2	-31.2	0-360	150	V
4	10.422	28.53	PK	37.6	-20.9	0	45.23	-	-	-	-	68.2	-22.97	0-360	250	V
6	* 15.629	24.34	PK	40.1	-19.8	0	44.64	-	-	74	-29.36	-	-	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

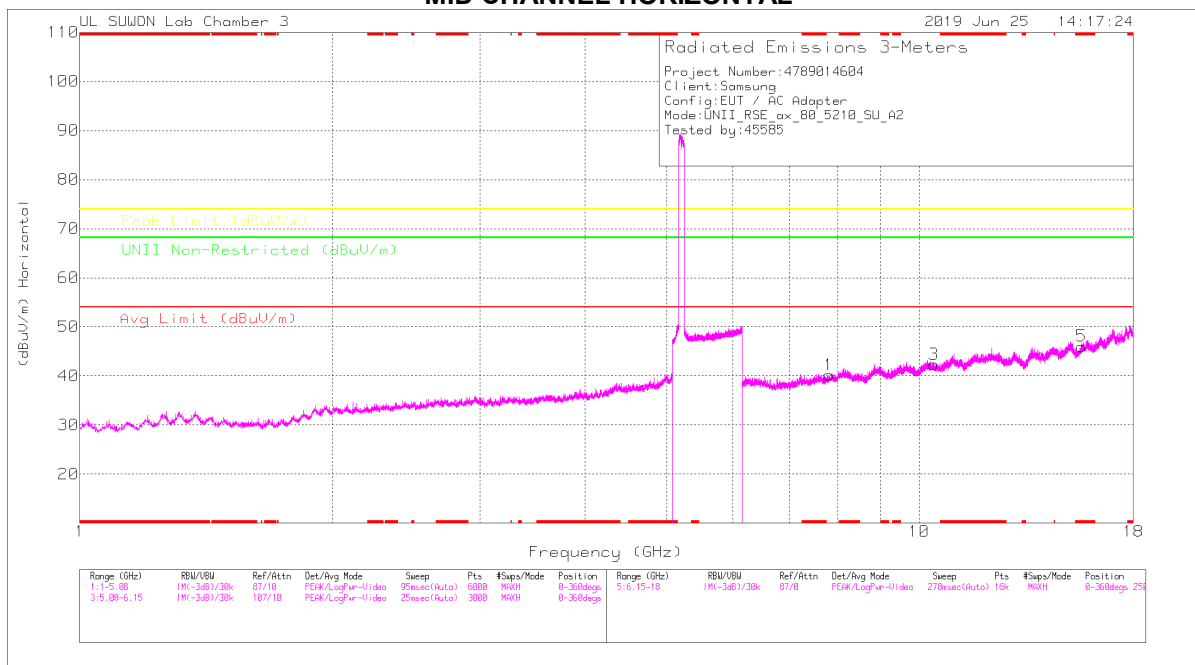
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.418	36.58	PK-U	37.6	-20.9	0	53.28	-	-	-	-	68.2	-14.92	247	126	H
10.416	38.3	PK-U	37.6	-20.9	0	55	-	-	-	-	68.2	-13.2	152	187	V

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

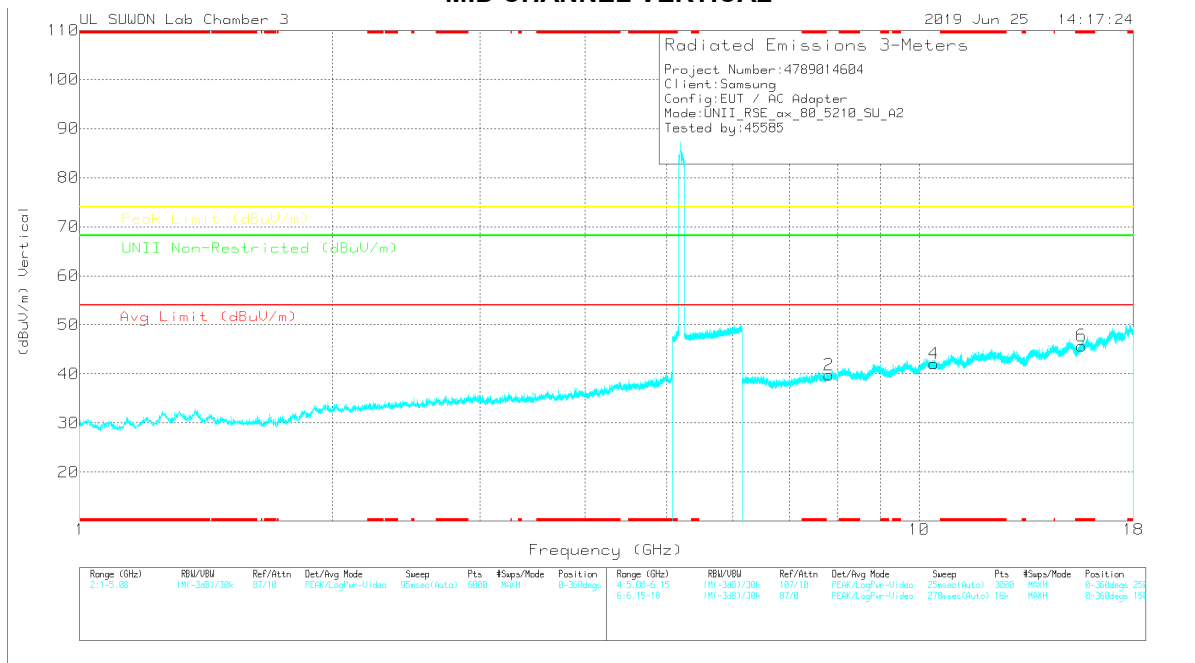
PK-U - U-NII: Maximum Peak

HE80 SU mode (ANT_2)

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_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.813	26.94	PK	35.9	-22.7	0	40.14	-	-	-	-	68.2	-28.06	0-360	250	H
3	10.418	24.25	PK	37.6	-19.5	0	42.35	-	-	-	-	68.2	-25.85	0-360	150	H
5	* 15.625	25.01	PK	40.3	-19.3	0	46.01	-	-	74	-27.99	-	-	0-360	150	H
2	7.812	26.59	PK	35.9	-22.7	0	39.79	-	-	-	-	68.2	-28.41	0-360	150	V
4	10.42	23.88	PK	37.6	-19.4	0	42.08	-	-	-	-	68.2	-26.12	0-360	250	V
6	* 15.626	24.74	PK	40.3	-19.3	0	45.74	-	-	74	-28.26	-	-	0-360	150	V

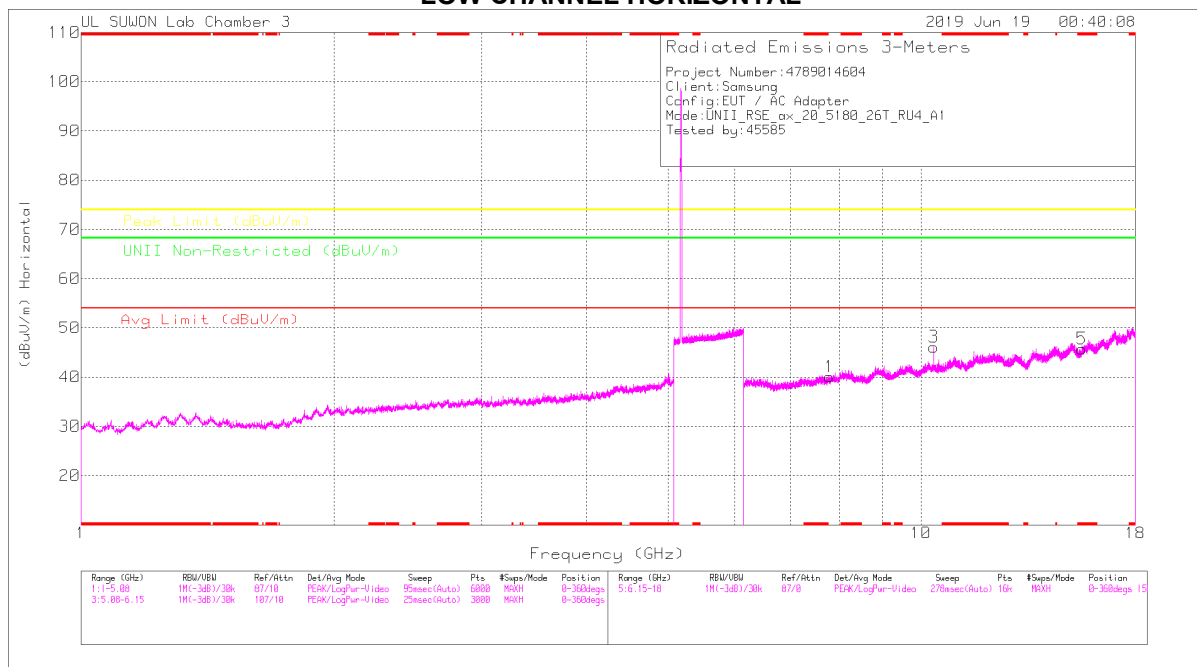
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

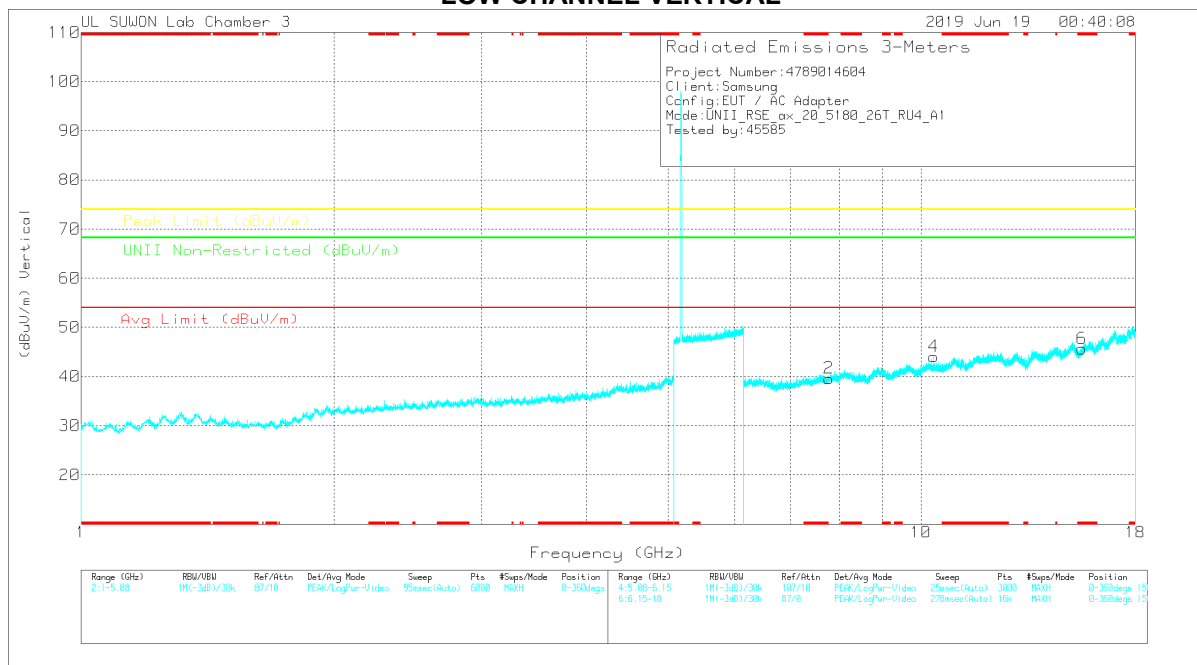
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HE20 RU mode (ANT_1 / 26T / Low: 4, Mid: 4, High: 4)

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_00205959	6GHz_HP[dB]	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	7.778	27.16	PK	35.9	-23	0	40.06	-	-	-	-	68.2	-28.14	0-360	150	H
3	10.36	27.73	PK	37.6	-19.2	0	46.13	-	-	-	-	68.2	-22.07	0-360	250	H
5	* 15.539	25.14	PK	40.2	-19.6	0	45.74	-	-	74	-28.26	-	-	0-360	250	H
2	7.768	26.74	PK	35.9	-23	0	39.64	-	-	-	-	68.2	-28.56	0-360	250	V
4	10.36	25.68	PK	37.6	-19.2	0	44.08	-	-	-	-	68.2	-24.12	0-360	250	V
6	* 15.538	25.17	PK	40.2	-19.7	0	45.67	-	-	74	-28.33	-	-	0-360	150	V

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

PK – Peak Detector

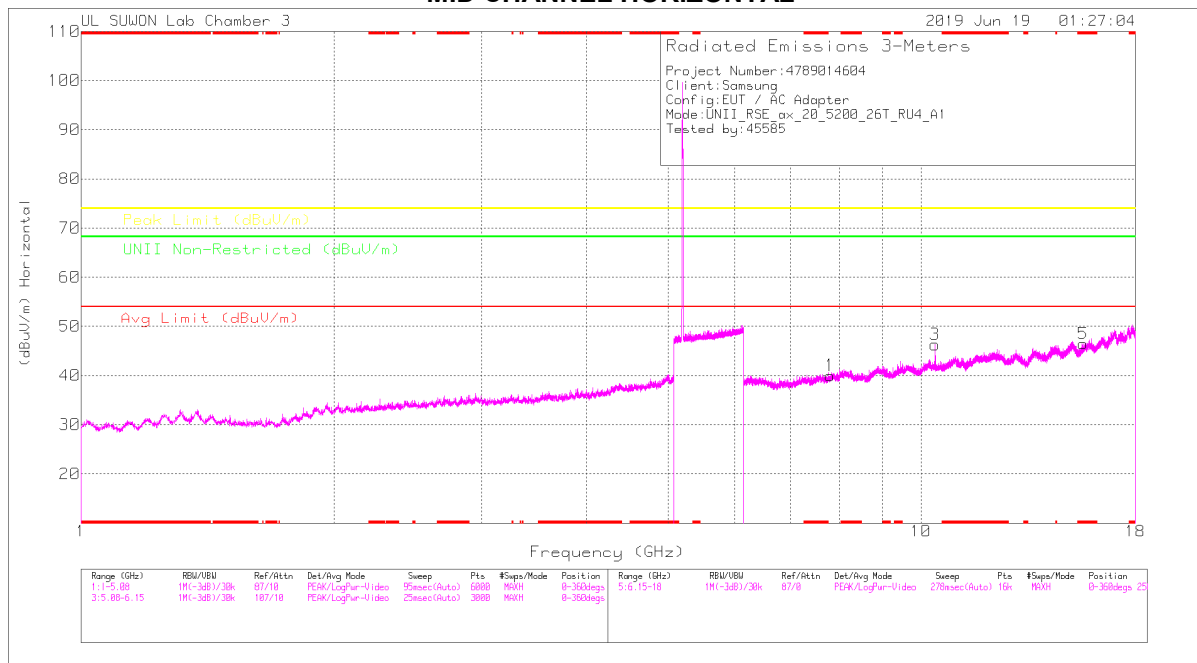
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	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
10.358	42.67	PK-U	37.6	-19.2	0	61.07	-	-	-	-	68.2	-7.13	201	103	H
10.36	39.02	PK-U	37.6	-19.2	0	57.42	-	-	-	-	68.2	-10.78	221	253	V

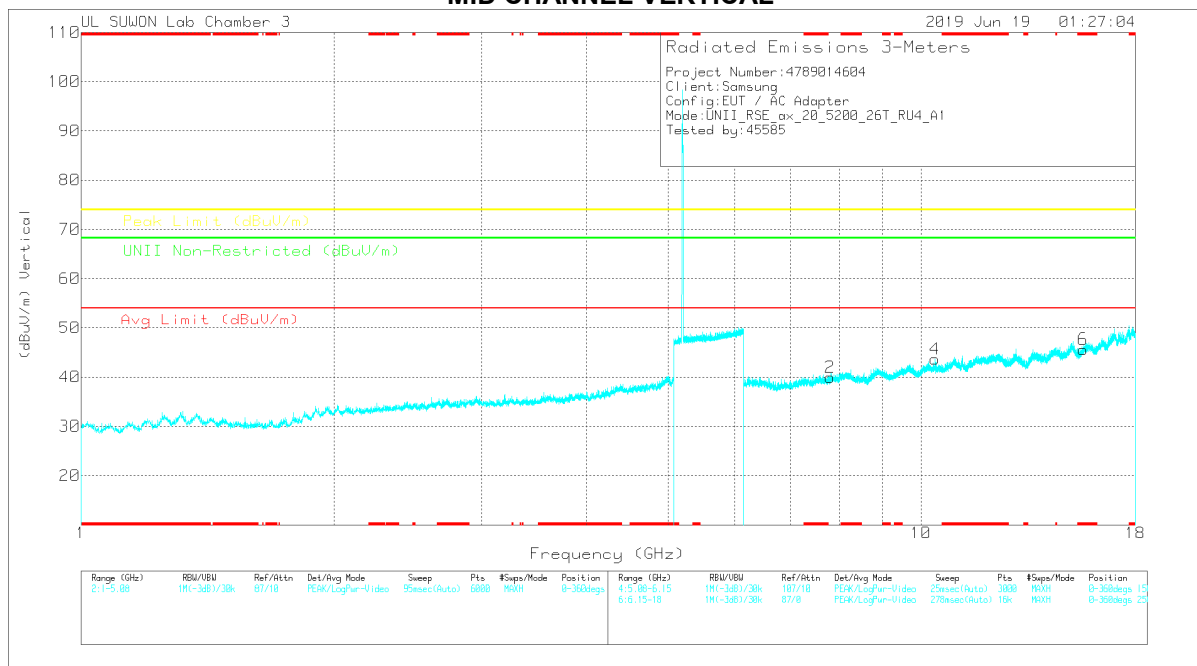
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

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_00205959	6GHz_HP[dB]	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	7.797	27	PK	35.9	-22.9	0	40	-	-	-	-	68.2	-28.2	0-360	150	H
3	10.398	27.9	PK	37.6	-19.2	0	46.3	-	-	-	-	68.2	-21.9	0-360	150	H
5	* 15.598	25.77	PK	40.2	-19.5	0	46.47	-	-	74	-27.53	-	-	0-360	150	H
2	7.797	26.94	PK	35.9	-22.9	0	39.94	-	-	-	-	68.2	-28.26	0-360	250	V
4	10.399	25.33	PK	37.6	-19.3	0	43.63	-	-	-	-	68.2	-24.57	0-360	150	V
6	* 15.597	24.9	PK	40.2	-19.5	0	45.6	-	-	74	-28.4	-	-	0-360	250	V

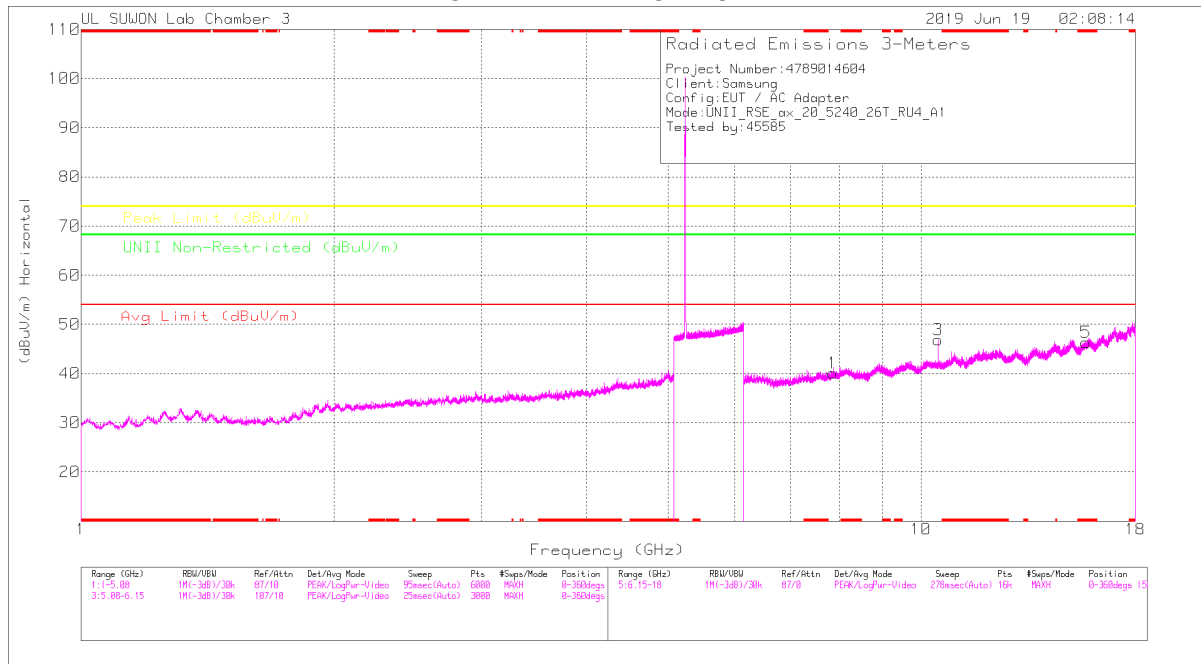
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK – Peak Detector

Radiated Emissions

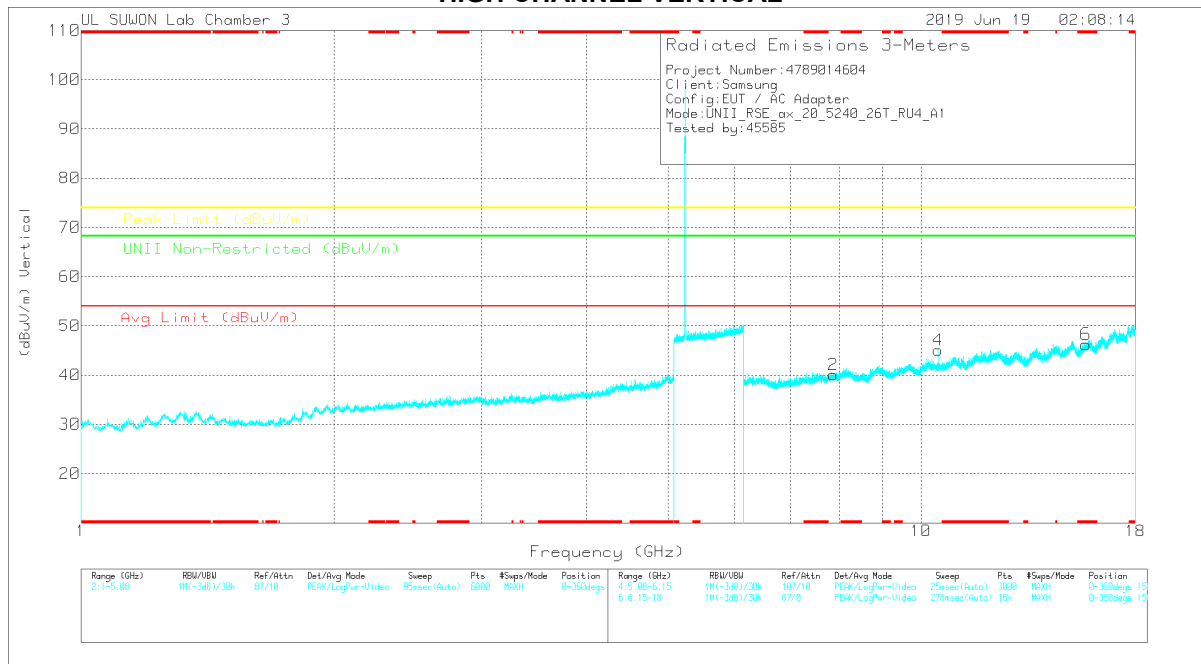
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.398	44.07	PK-U	37.6	-19.2	0	62.47	-	-	-	-	68.2	-5.73	210	100	H
10.398	40.45	PK-U	37.6	-19.2	0	58.85	-	-	-	-	68.2	-9.35	173	371	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	6GHz_HP[dB]	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	7.854	26.68	PK	35.9	-22.5	0	40.08	-	-	-	-	68.2	-28.12	0-360	150	H
3	10.48	28.47	PK	37.7	-19.3	0	46.87	-	-	-	-	68.2	-21.33	0-360	150	H
5	* 15.722	25.02	PK	40.4	-19.1	0	46.32	-	-	74	-27.68	-	-	0-360	150	H
2	7.86	26.6	PK	35.9	-22.4	0	40.1	-	-	-	-	68.2	-28.1	0-360	250	V
4	10.479	26.65	PK	37.7	-19.3	0	45.05	-	-	-	-	68.2	-23.15	0-360	250	V
6	* 15.723	24.95	PK	40.4	-19.1	0	46.25	-	-	74	-27.75	-	-	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

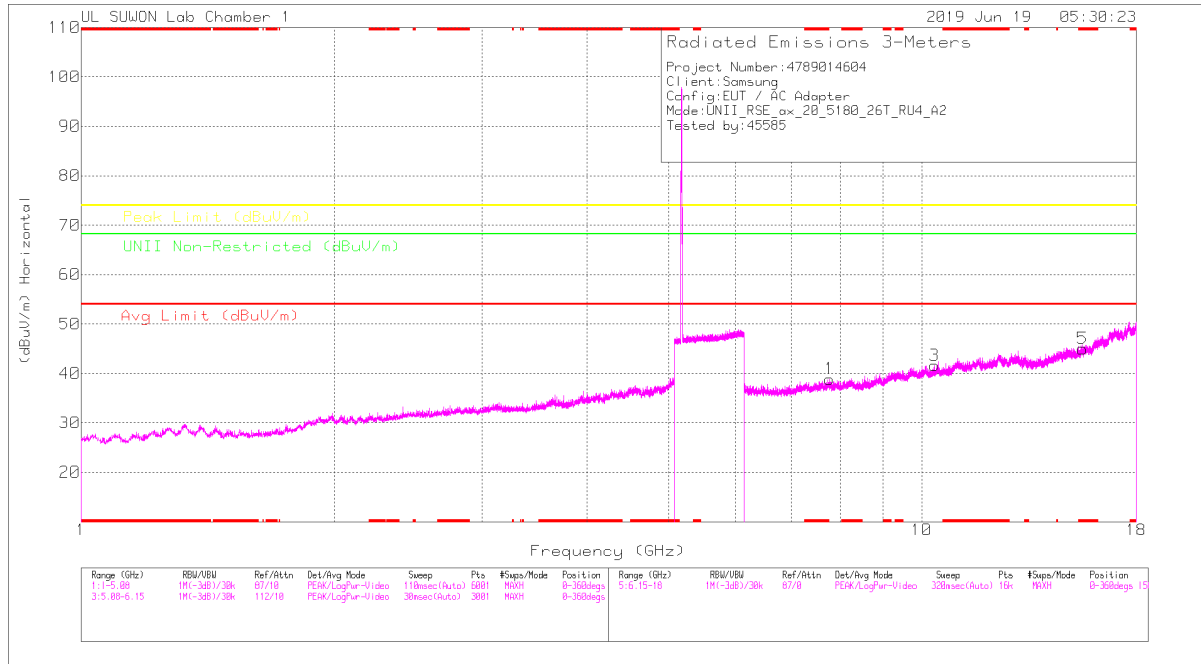
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.478	46.07	PK-U	37.7	-19.3	0	64.47	-	-	-	-	68.2	-3.73	209	103	H
10.48	41.8	PK-U	37.7	-19.3	0	60.2	-	-	-	-	68.2	-8	149	256	V

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

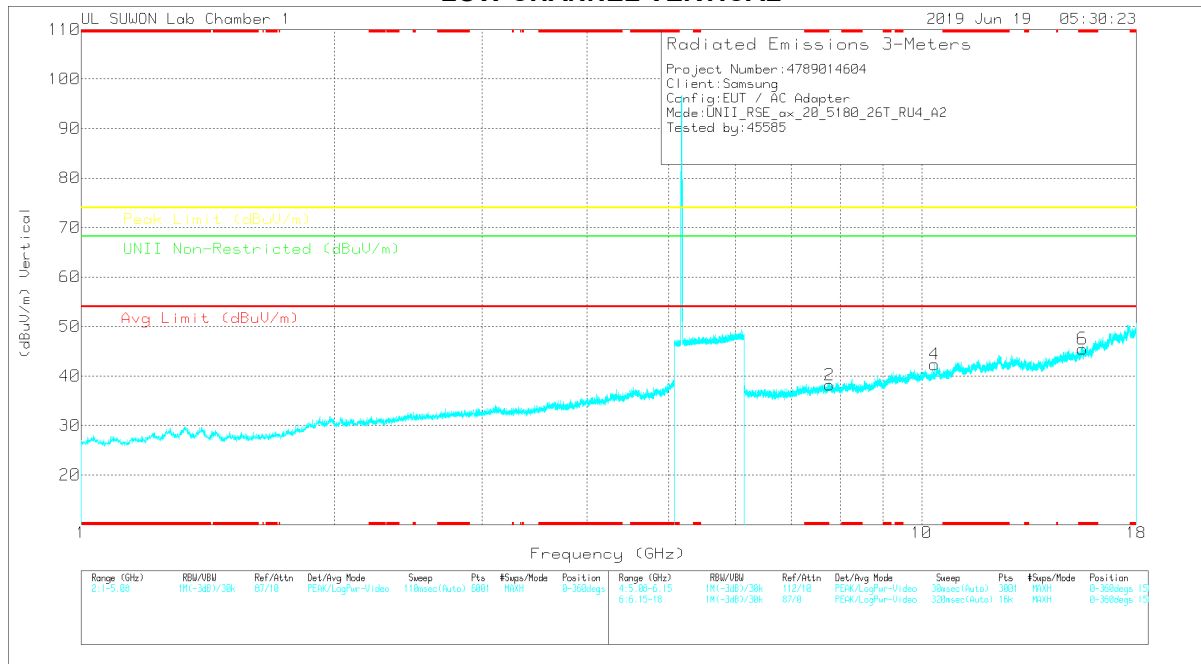
PK-U - U-NII: Maximum Peak

HE20 RU mode (ANT_2 / 26T / Low: 4, Mid: 4, High: 4)

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

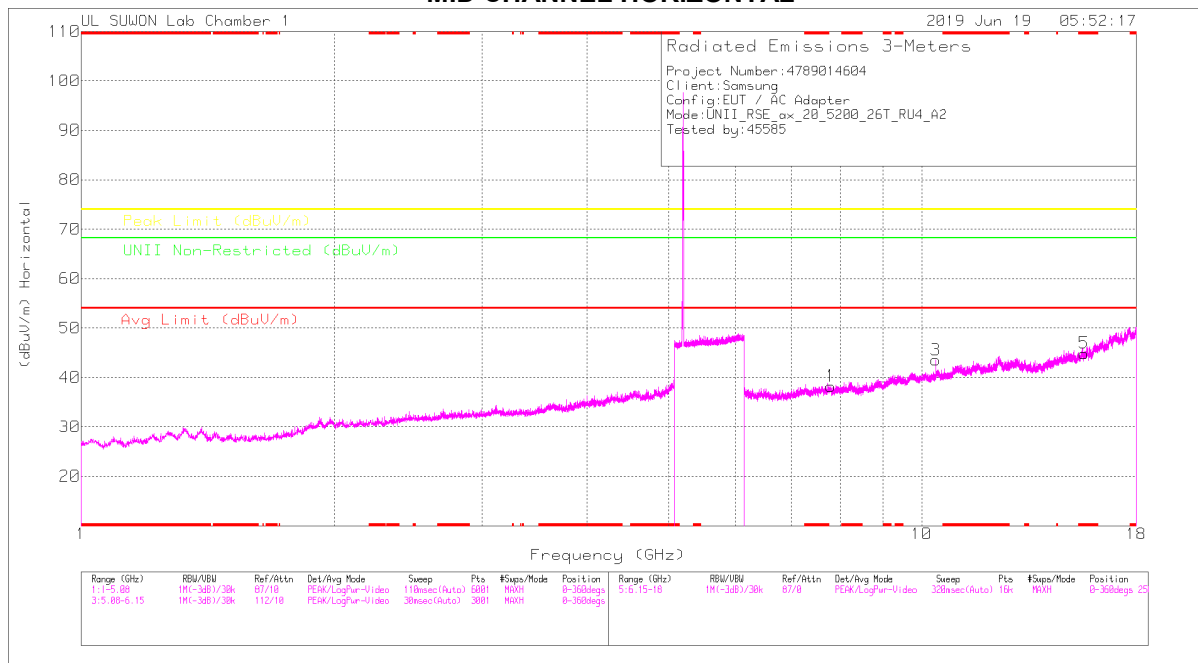
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.76668	29.4	PK	35.9	-26.4	0	38.9	-	-	-	-	68.2	-29.3	0-360	150	H
3	10.35871	26.32	PK	37.6	-22.3	0	41.62	-	-	-	-	68.2	-26.58	0-360	150	H
5	* 15.53388	25.51	PK	40.2	-20.7	0	45.01	-	-	74	-28.99	-	-	0-360	150	H
2	7.76965	28.79	PK	35.9	-26.5	0	38.19	-	-	-	-	68.2	-30.01	0-360	250	V
4	10.35945	27.05	PK	37.6	-22.3	0	42.35	-	-	-	-	68.2	-25.85	0-360	250	V
6	* 15.5324	25.98	PK	40.2	-20.7	0	45.48	-	-	74	-28.52	-	-	0-360	250	V

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

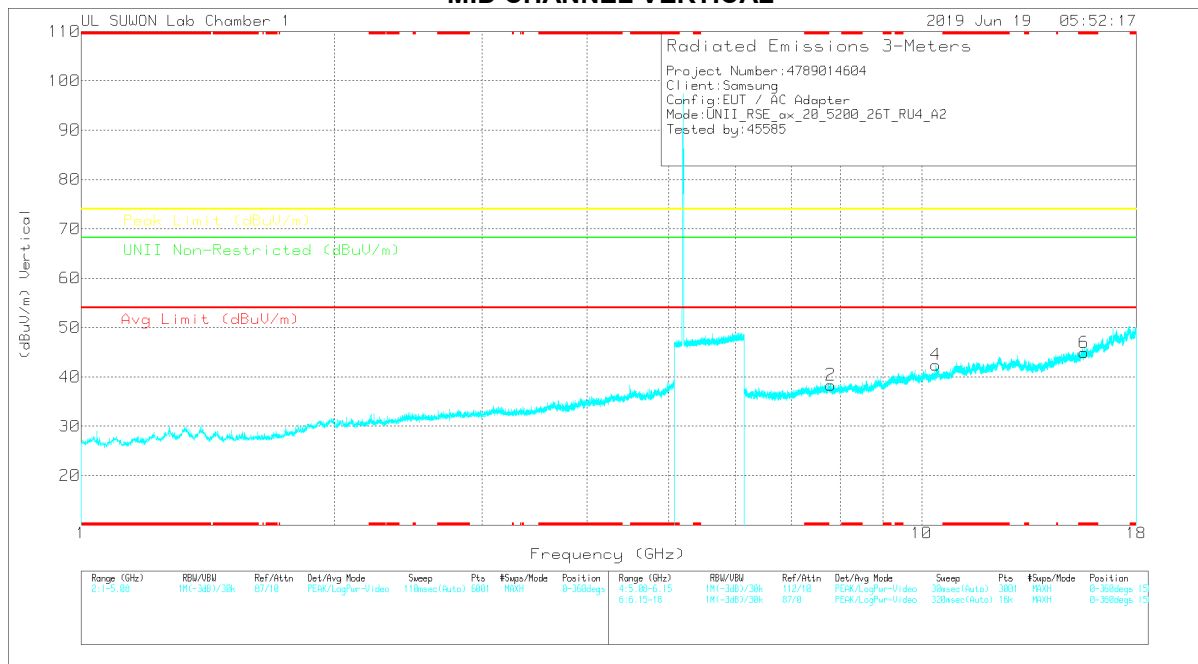
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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_00168717	6GHz_HP(dB)	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	7.79557	28.83	PK	35.9	-26.5	0	38.23	-	-	-	-	68.2	-29.97	0-360	250	H
3	10.39944	27.73	PK	37.6	-21.8	0	43.53	-	-	-	-	68.2	-24.67	0-360	250	H
5	* 15.59535	25.97	PK	40.2	-21.3	0	44.87	-	-	74	-29.13	-	-	0-360	150	H
2	7.79631	28.97	PK	35.9	-26.5	0	38.37	-	-	-	-	68.2	-29.83	0-360	150	V
4	10.39944	26.66	PK	37.6	-21.8	0	42.46	-	-	-	-	68.2	-25.74	0-360	250	V
6	* 15.59609	26.04	PK	40.2	-21.3	0	44.94	-	-	74	-29.06	-	-	0-360	250	V

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

PK – Peak Detector

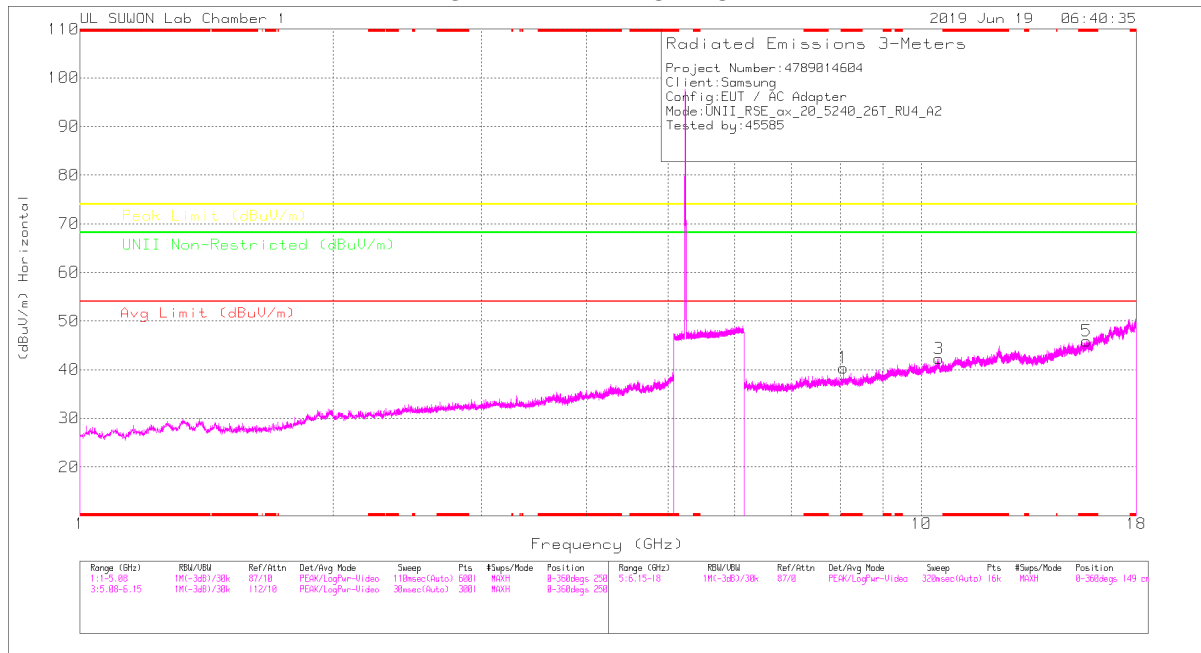
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP(dB)	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
10.39864	39.66	PK-U	37.6	-21.8	0	55.46	-	-	-	-	68.2	-12.74	183	173	H
10.3994	41.74	PK-U	37.6	-21.8	0	57.54	-	-	-	-	68.2	-10.66	155	187	V

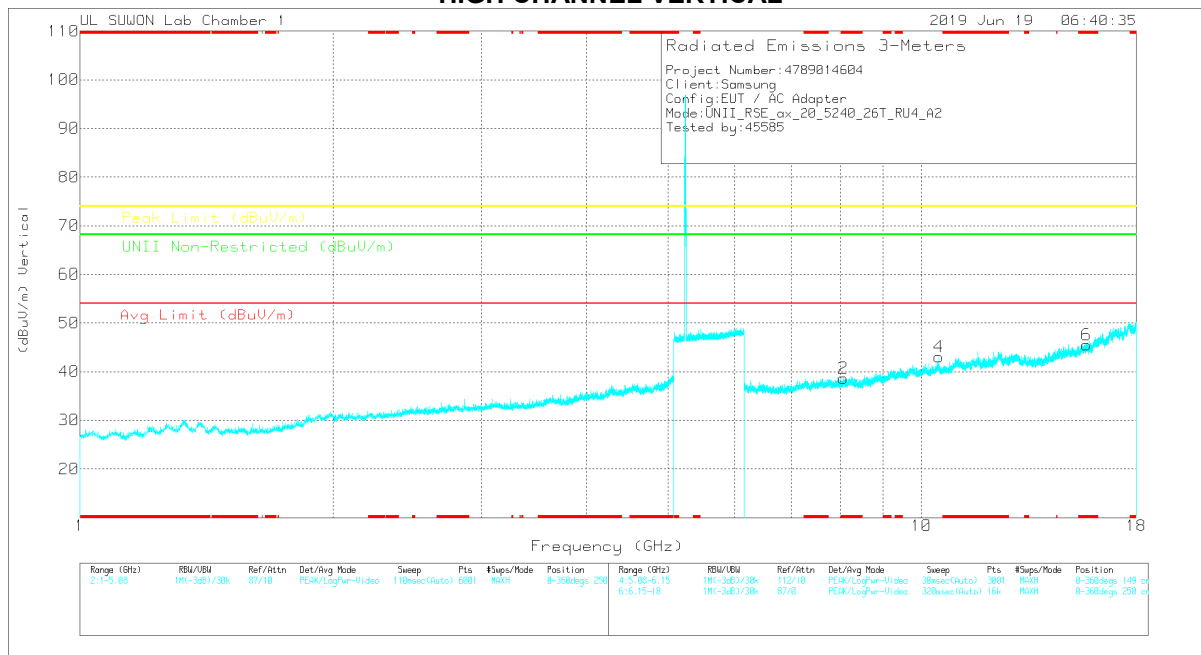
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168717	6GHz_HP(dB)	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	* 8.07551	30.19	PK	36.2	-26	0	40.39	-	-	74	-33.61	-	-	0-360	250	H
3	10.47943	26.36	PK	37.7	-21.8	0	42.26	-	-	-	-	68.2	-25.94	0-360	250	H
5	* 15.7205	26.47	PK	40.4	-21	0	45.87	-	-	74	-28.13	-	-	0-360	250	H
2	* 8.07625	28.54	PK	36.2	-26.1	0	38.64	-	-	74	-35.36	-	-	0-360	250	V
4	10.48017	27.2	PK	37.7	-21.8	0	43.1	-	-	-	-	68.2	-25.1	0-360	250	V
6	* 15.71754	26.15	PK	40.4	-21	0	45.55	-	-	74	-28.45	-	-	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

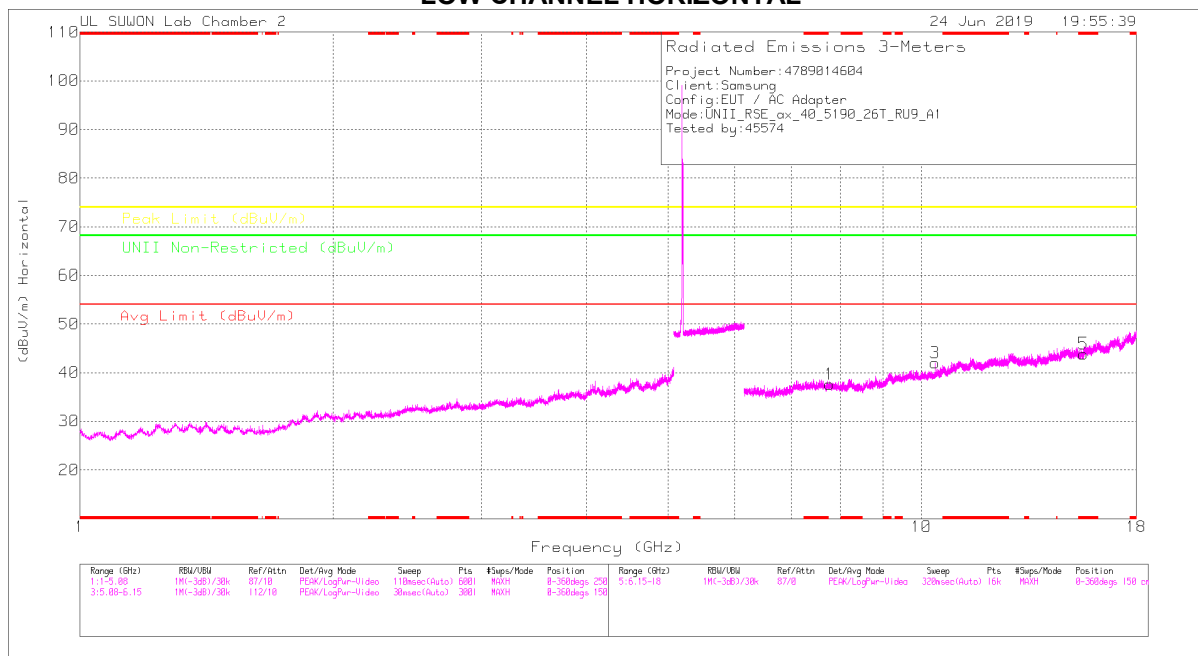
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	6GHz_HP(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.47961	40.9	PK-U	37.7	-21.8	0	56.8	-	-	-	-	68.2	-11.4	151	181	H
10.48127	42.89	PK-U	37.7	-21.8	0	58.79	-	-	-	-	68.2	-9.41	153	187	V

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

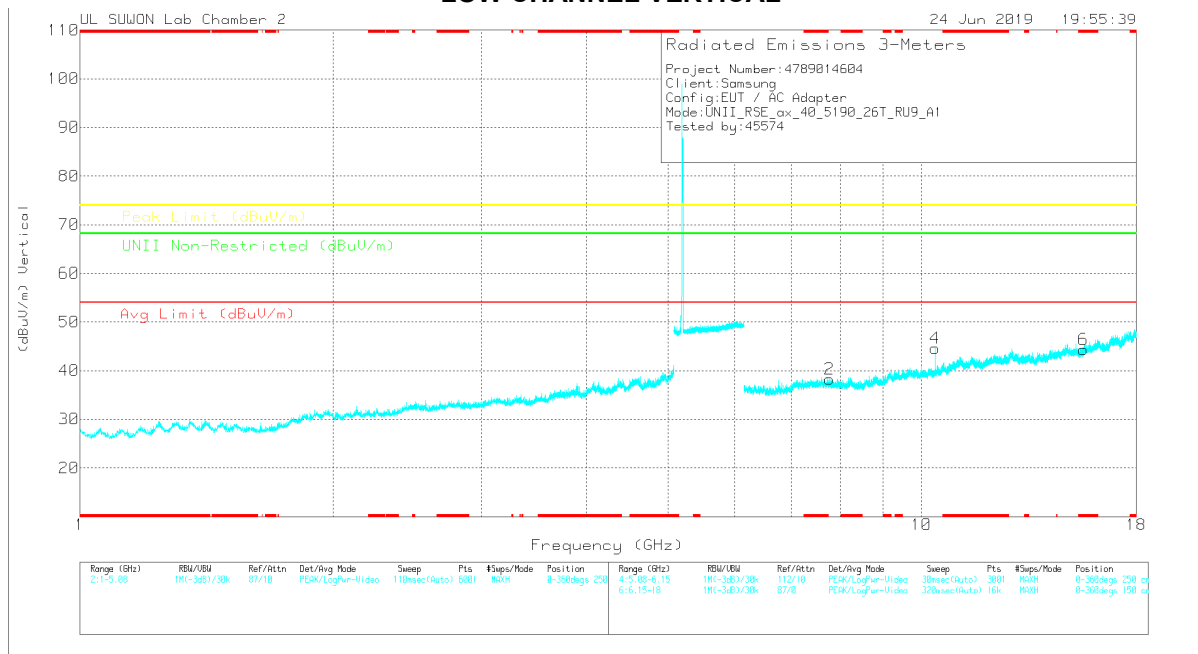
PK-U - U-NII: Maximum Peak

HE40 RU mode (ANT_1 / 26T / Low: 9, High: 9)

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_00168724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.778	25.33	PK	36	-23.7	0	37.63	-	-	-	-	68.2	-30.57	0-360	250	H
3	10.382	25.37	PK	37.6	-21	0	41.97	-	-	-	-	68.2	-26.23	0-360	150	H
5	* 15.568	23.58	PK	40	-19.7	0	43.88	-	-	74	-30.12	-	-	0-360	250	H
2	7.781	26.06	PK	36	-23.8	0	38.26	-	-	-	-	68.2	-29.94	0-360	150	V
4	10.382	27.96	PK	37.6	-21	0	44.56	-	-	-	-	68.2	-23.64	0-360	250	V
6	* 15.569	23.99	PK	40	-19.7	0	44.29	-	-	74	-29.71	-	-	0-360	250	V

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

PK – Peak Detector

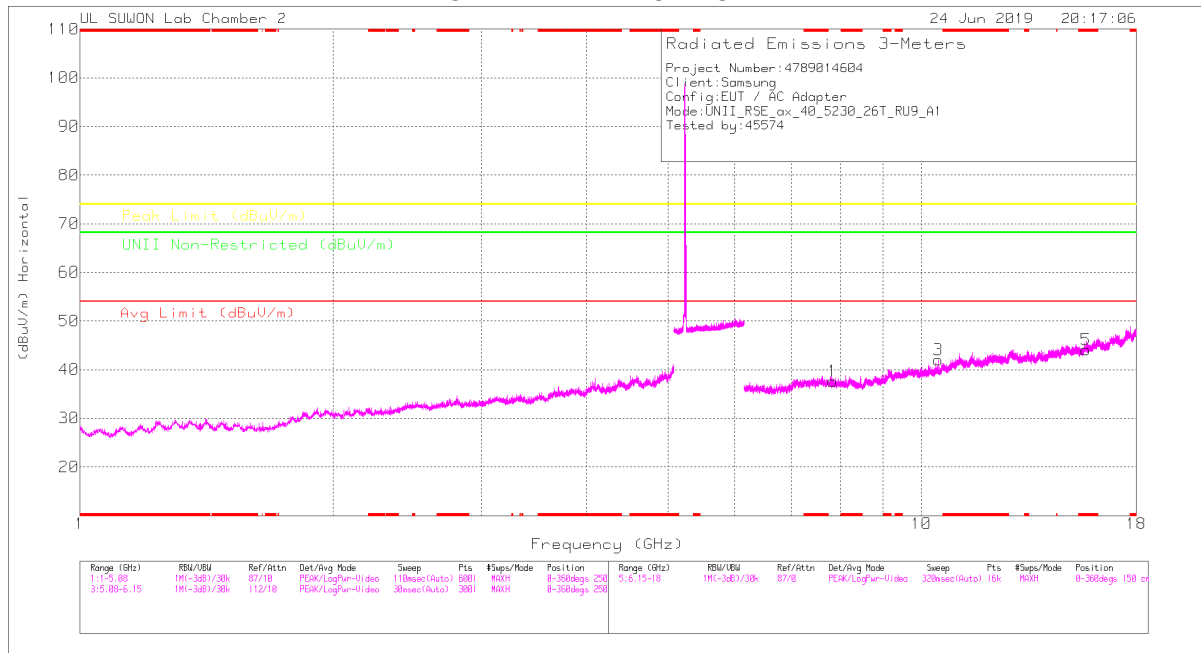
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	60Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.382	43.33	PK-U	37.6	-21	0	59.93	-	-	-	-	68.2	-8.27	249	127	H
10.382	47.51	PK-U	37.6	-21	0	64.11	-	-	-	-	68.2	-4.09	154	188	V

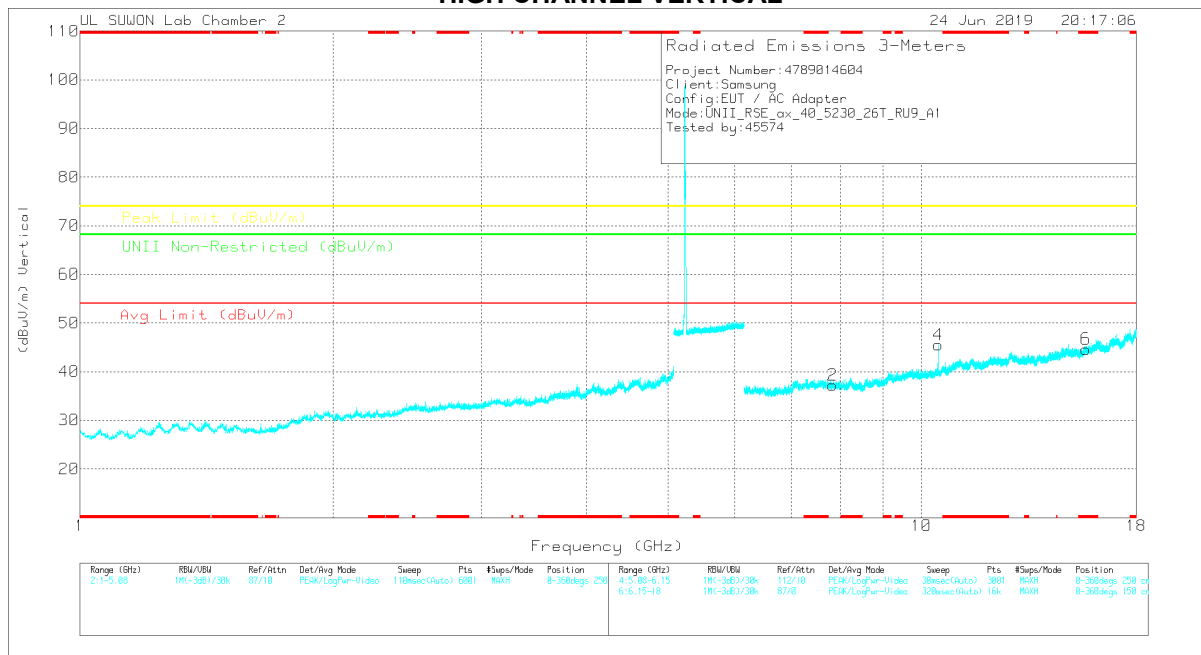
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.843	25.86	PK	36	-24.3	0	37.56	-	-	-	-	68.2	-30.64	0-360	250	H
3	10.462	25.09	PK	37.6	-20.7	0	41.99	-	-	-	-	68.2	-26.21	0-360	150	H
5	* 15.691	23.68	PK	40.2	-19.8	0	44.08	-	-	74	-29.92	-	-	0-360	250	H
2	7.844	25.53	PK	36	-24.3	0	37.23	-	-	-	-	68.2	-30.97	0-360	250	V
4	10.462	28.6	PK	37.6	-20.7	0	45.5	-	-	-	-	68.2	-22.7	0-360	250	V
6	* 15.691	24.26	PK	40.2	-19.8	0	44.66	-	-	74	-29.34	-	-	0-360	150	V

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

PK – Peak Detector

Radiated Emissions

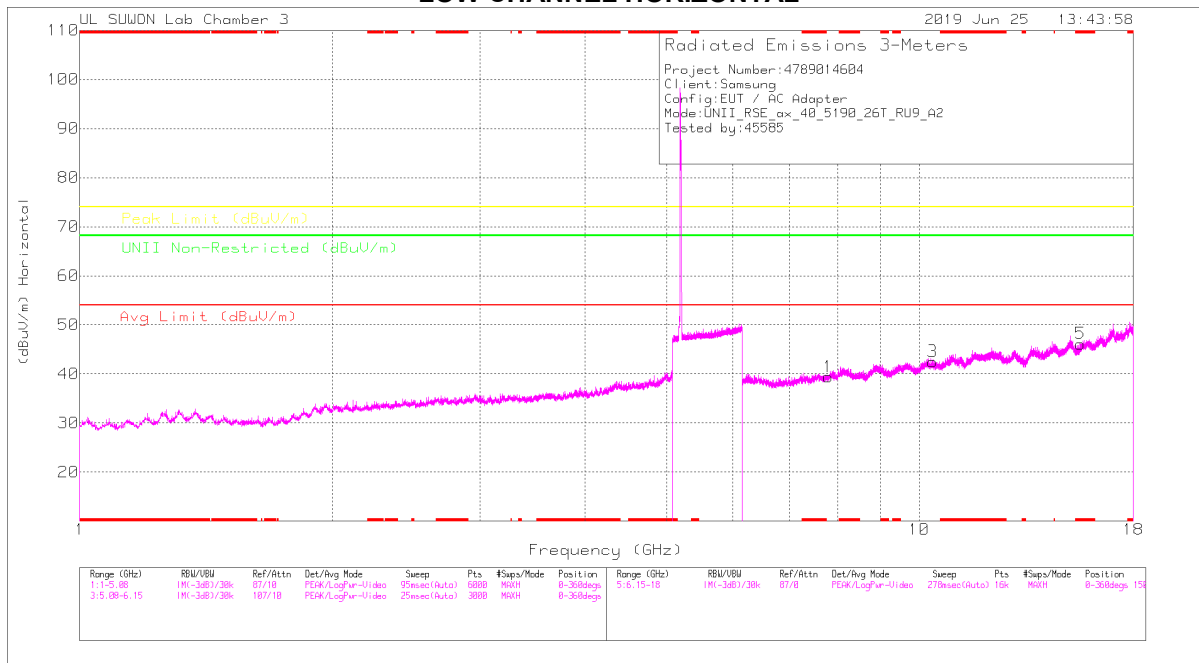
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.462	42.02	PK-U	37.6	-20.8	0	58.82	-	-	-	-	68.2	-9.38	245	126	H
10.462	48.11	PK-U	37.6	-20.8	0	64.91	-	-	-	-	68.2	-3.29	151	186	V

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

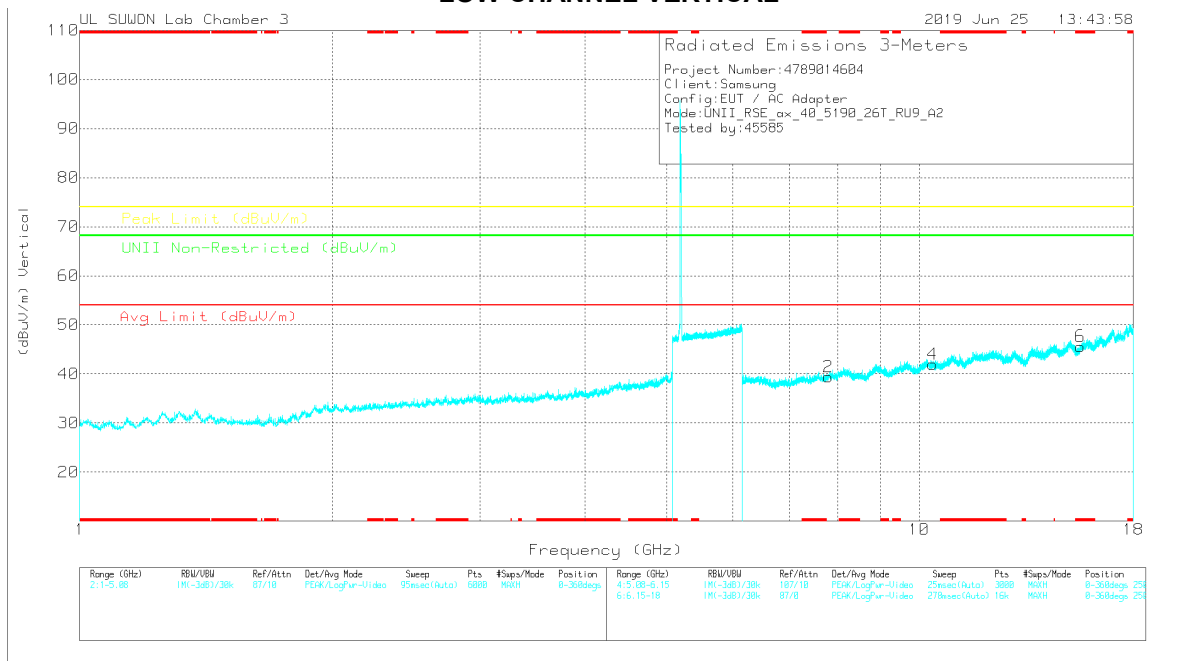
PK-U - U-NII: Maximum Peak

HE40 RU mode (ANT_2 / 26T / Low: 9, High: 9)

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

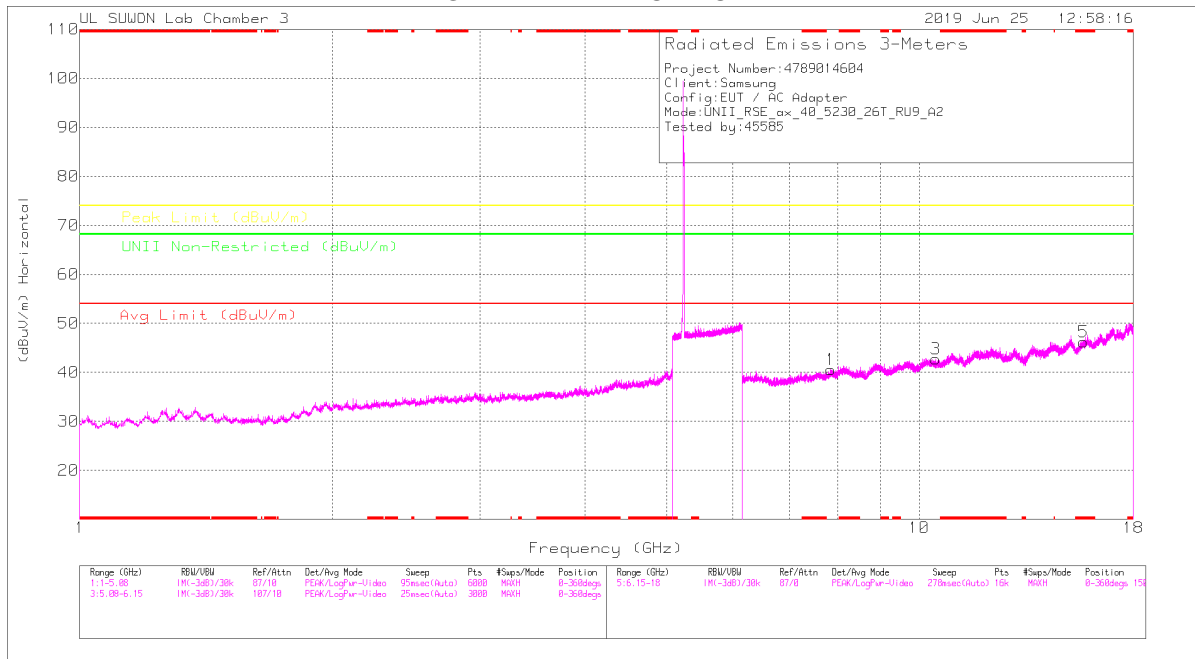
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.788	26.52	PK	35.9	-23	0	39.42	-	-	-	-	68.2	-28.78	0-360	150	H
3	10.375	24.01	PK	37.6	-19.1	0	42.51	-	-	-	-	68.2	-25.69	0-360	250	H
5	* 15.568	25.54	PK	40.2	-19.6	0	46.14	-	-	74	-27.86	-	-	0-360	250	H
2	7.788	26.52	PK	35.9	-23	0	39.42	-	-	-	-	68.2	-28.78	0-360	150	V
4	10.382	23.46	PK	37.6	-19.1	0	41.96	-	-	-	-	68.2	-26.24	0-360	250	V
6	* 15.574	25	PK	40.2	-19.6	0	45.6	-	-	74	-28.4	-	-	0-360	250	V

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

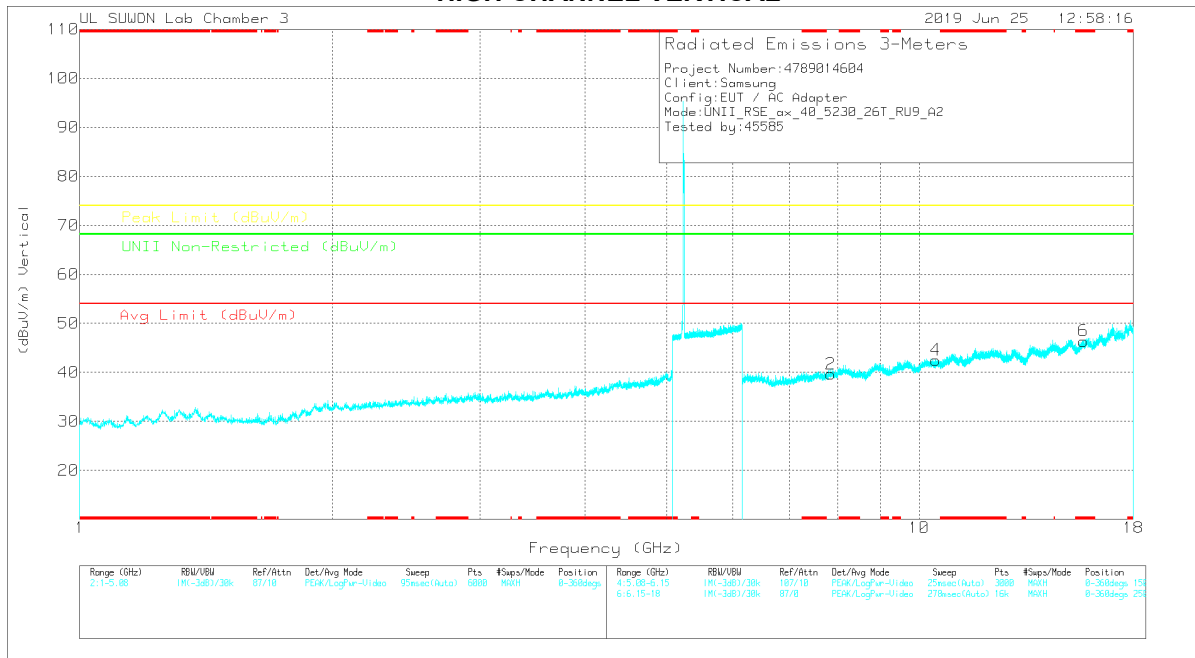
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.85	27.14	PK	35.9	-22.5	0	40.54	-	-	-	-	68.2	-27.66	0-360	150	H
3	10.462	24.46	PK	37.7	-19.4	0	42.76	-	-	-	-	68.2	-25.44	0-360	250	H
5	* 15.688	25.09	PK	40.4	-19.3	0	46.19	-	-	74	-27.81	-	-	0-360	250	H
2	7.847	26.36	PK	35.9	-22.6	0	39.66	-	-	-	-	68.2	-28.54	0-360	150	V
4	10.462	24.21	PK	37.7	-19.4	0	42.51	-	-	-	-	68.2	-25.69	0-360	150	V
6	* 15.687	25.3	PK	40.4	-19.3	0	46.4	-	-	74	-27.6	-	-	0-360	150	V

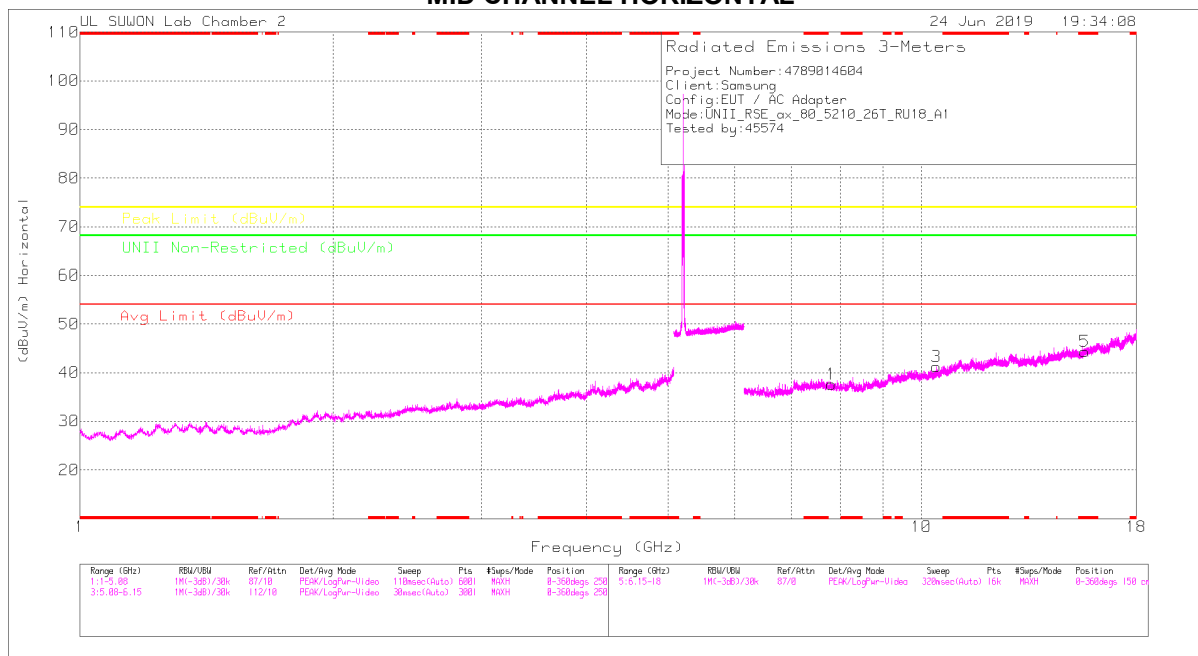
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak Detector

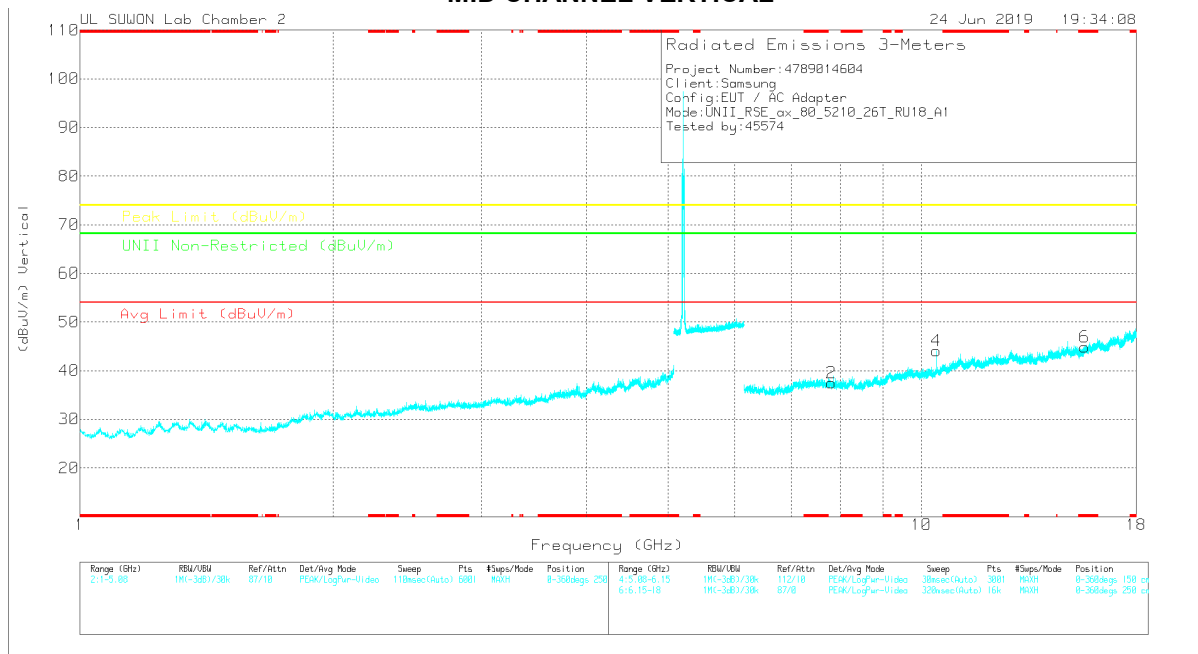
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HE80 RU mode (ANT_1 / 26T / Mid: 18)

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_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.819	25.58	PK	36	-24	0	37.58	-	-	-	-	68.2	-30.62	0-360	150	H
3	10.42	24.49	PK	37.6	-20.9	0	41.19	-	-	-	-	68.2	-27.01	0-360	250	H
5	* 15.629	23.98	PK	40.1	-19.8	0	44.28	-	-	74	-29.72	-	-	0-360	150	H
2	7.821	25.54	PK	36	-24	0	37.54	-	-	-	-	68.2	-30.66	0-360	150	V
4	10.419	27.42	PK	37.6	-20.9	0	44.12	-	-	-	-	68.2	-24.08	0-360	250	V
6	* 15.629	24.58	PK	40.1	-19.8	0	44.88	-	-	74	-29.12	-	-	0-360	250	V

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

PK – Peak Detector

Radiated Emissions

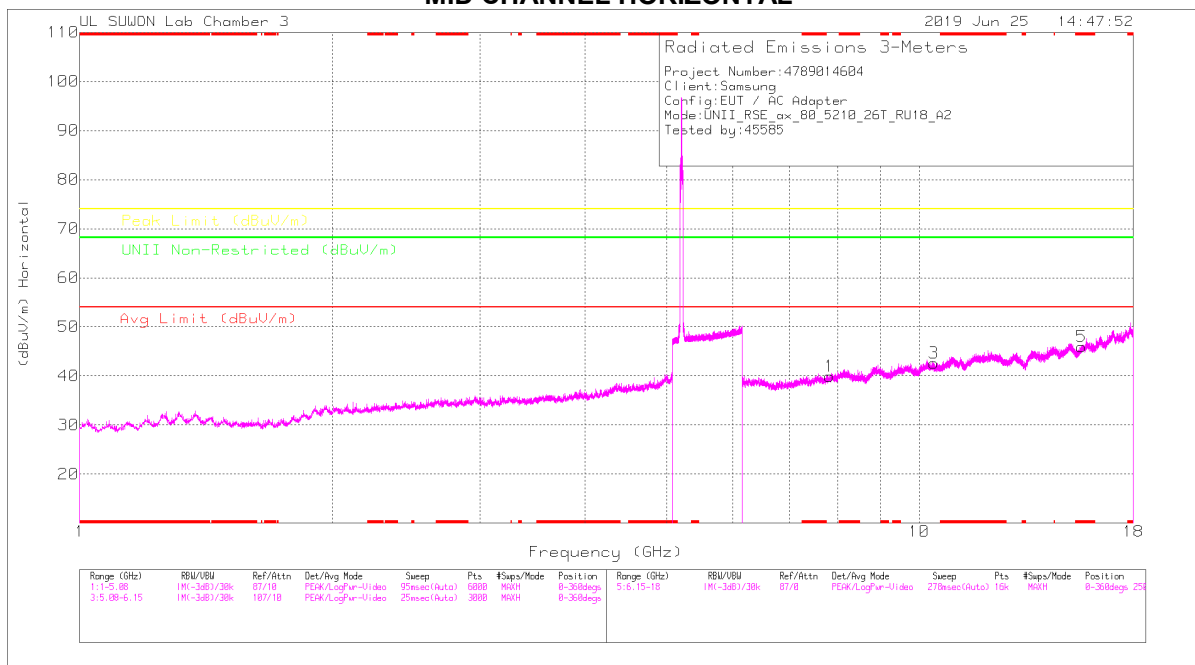
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	6GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.418	39.79	PK-U	37.6	-20.9	0	56.49	-	-	-	-	68.2	-11.71	245	127	H
10.419	44.83	PK-U	37.6	-20.9	0	61.53	-	-	-	-	68.2	-6.67	150	188	V

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

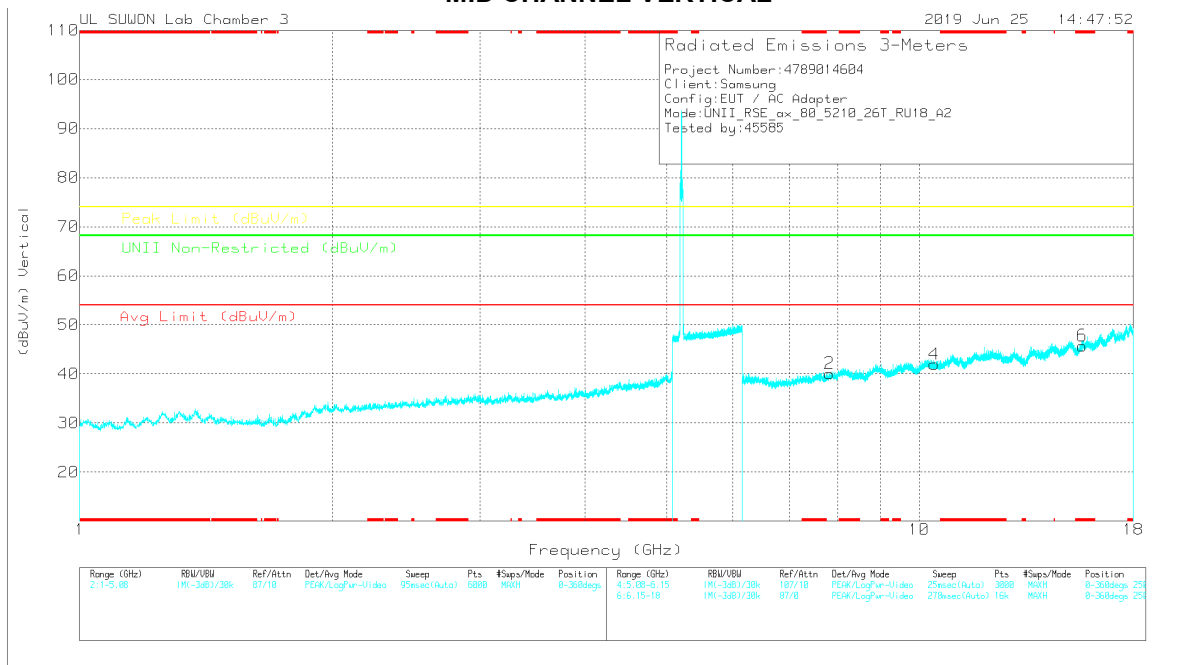
PK-U - U-NII: Maximum Peak

HE80 RU mode (ANT_2 / 26T / Mid: 18)

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_00205959	6GHz_HP[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Unit Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.816	26.71	PK	35.9	-22.7	0	39.91	-	-	-	-	68.2	-28.29	0-360	250	H
3	10.417	24.43	PK	37.6	-19.4	0	42.63	-	-	-	-	68.2	-25.57	0-360	150	H
5	* 15.626	24.95	PK	40.3	-19.3	0	45.95	-	-	74	-28.05	-	-	0-360	250	H
2	7.818	26.88	PK	35.9	-22.7	0	40.08	-	-	-	-	68.2	-28.12	0-360	150	V
4	10.423	23.79	PK	37.6	-19.4	0	41.99	-	-	-	-	68.2	-26.21	0-360	150	V
6	* 15.634	24.84	PK	40.3	-19.4	0	45.74	-	-	74	-28.26	-	-	0-360	150	V

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

PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

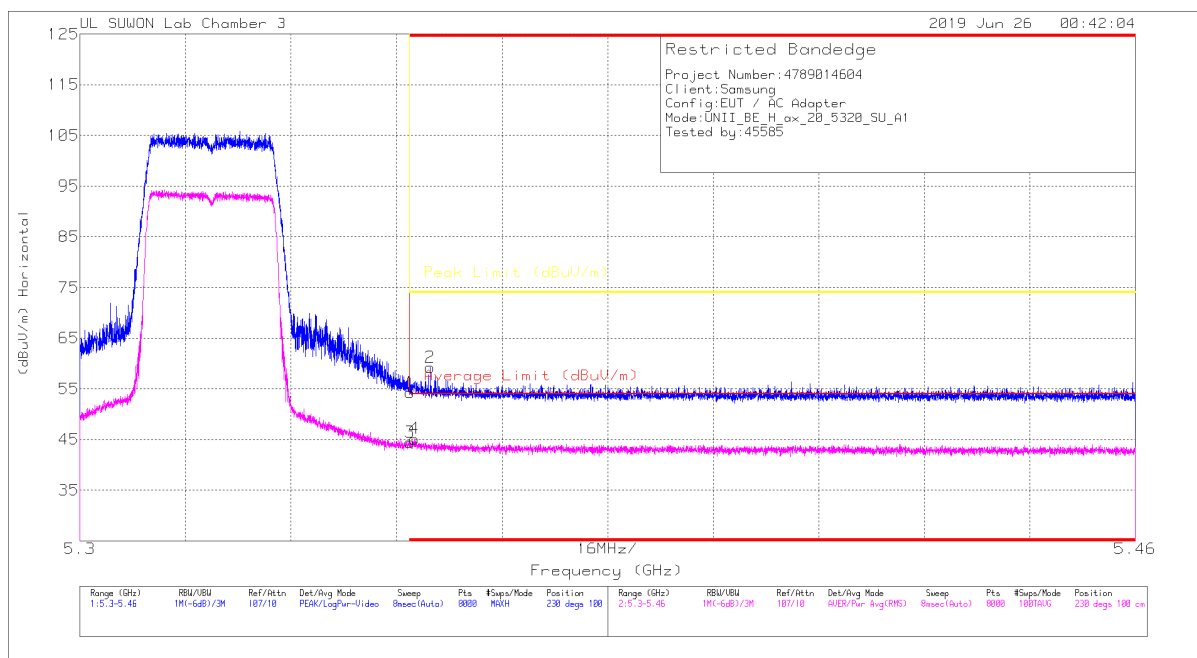
11.2. 5.3 GHz_1Tx (SISO)

11.2.1. TX ABOVE 1GHz 802.11ax MODE IN THE 5.3GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

HE20 SU mode (ANT_1)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

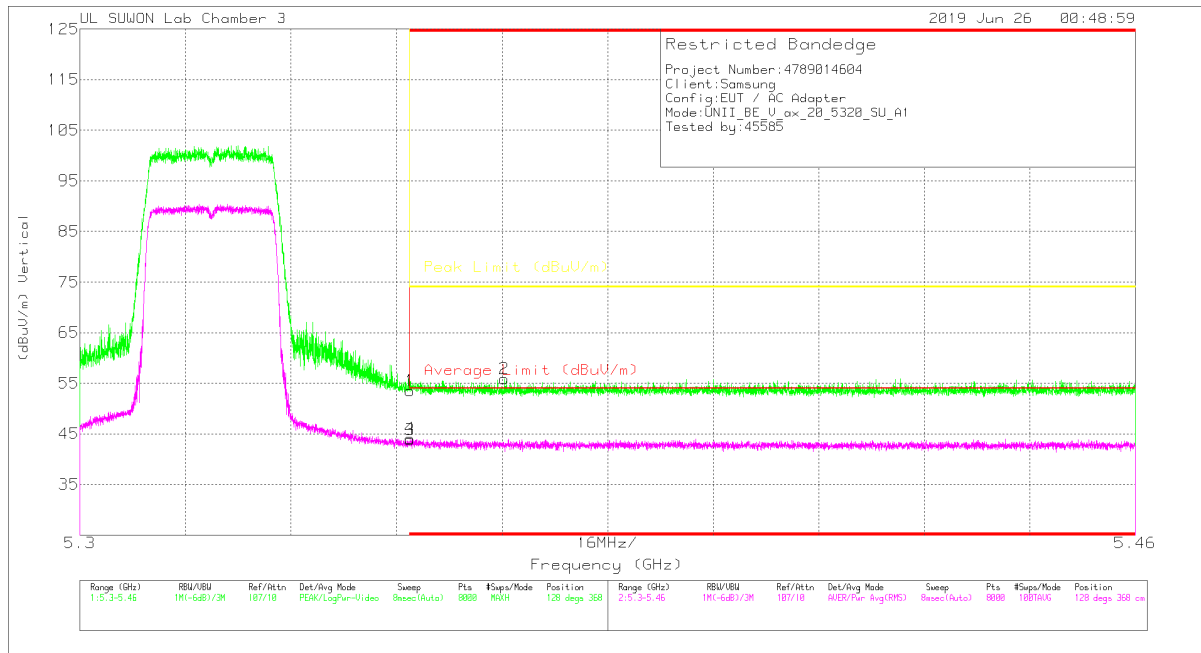
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.32	Pk	34.7	-18.7	0	54.32	-	-	74	-19.68	230	100	H
2	* 5.353	43.33	Pk	34.7	-18.8	0	59.23	-	-	74	-14.77	230	100	H
3	* 5.35	28.88	RMS	34.7	-19.1	0	44.48	54	-9.52	-	-	230	100	H
4	* 5.351	29.54	RMS	34.7	-19.1	0	45.14	54	-8.86	-	-	230	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00209959	10dB(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	* 5.35	37.53	Pk	34.7	-18.7	0	53.53	-	-	74	-20.47	128	368	V
2	* 5.364	39.99	Pk	34.7	-18.8	0	55.89	-	-	74	-18.11	128	368	V
3	* 5.35	28.19	RMS	34.7	-19.1	0	43.79	54	-10.21	-	-	128	368	V
4	* 5.35	28.54	RMS	34.7	-19.1	0	44.14	54	-9.86	-	-	128	368	V

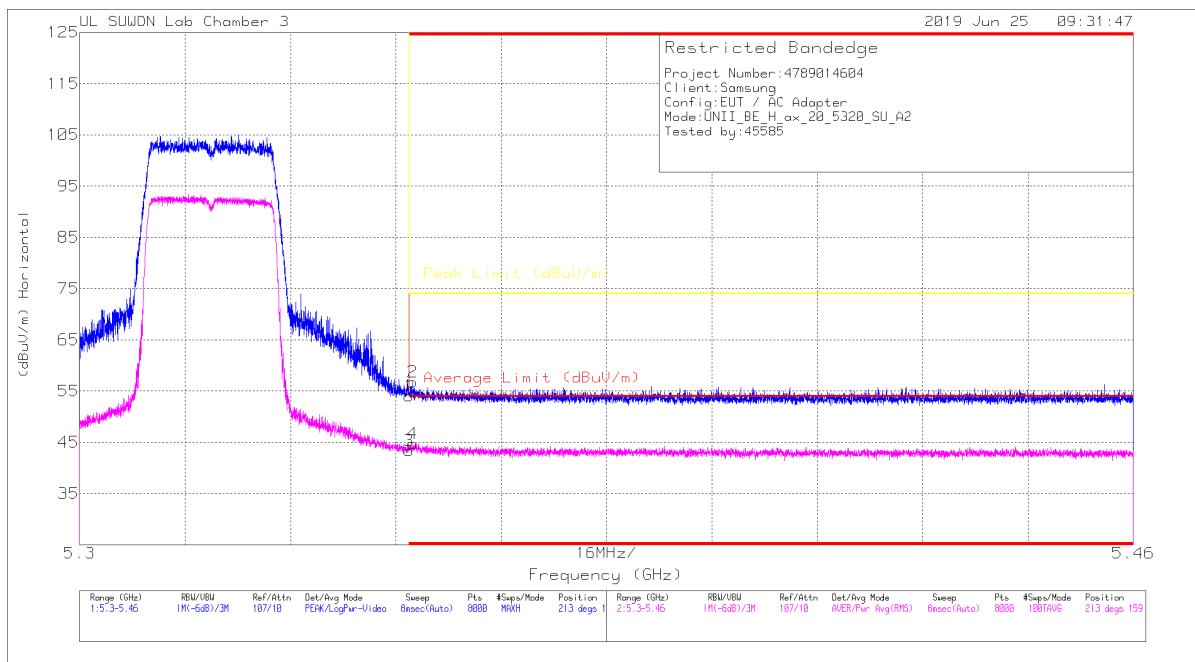
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE20 SU mode (ANT_2)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

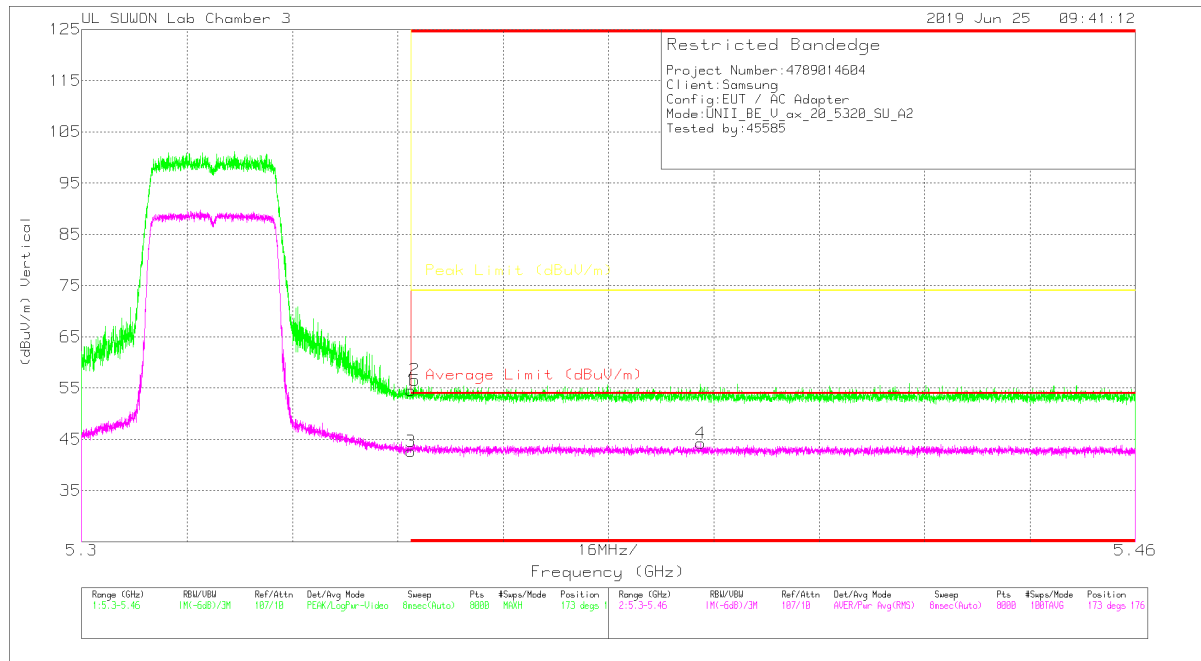
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.03	Pk	34.7	-18.7	0	54.03	-	-	74	-19.97	213	159	H
2	* 5.351	40.72	Pk	34.7	-18.7	0	56.72	-	-	74	-17.28	213	159	H
3	* 5.35	27.75	RMS	34.7	-19.1	0	43.35	54	-10.65	-	-	213	159	H
4	* 5.351	29.12	RMS	34.7	-19.1	0	44.72	54	-9.28	-	-	213	159	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.35	38.56	Pk		-18.7	0	54.56	-	-	74	-19.44	173	176	V
2	* 5.351	40.59	Pk		-18.7	0	56.59	-	-	74	-17.41	173	176	V
3	* 5.35	27.06	RMS		-19.1	0	42.66	54	-11.34	-	-	173	176	V
4	* 5.394	28.62	RMS		-19.1	0	44.22	54	-9.78	-	-	173	176	V

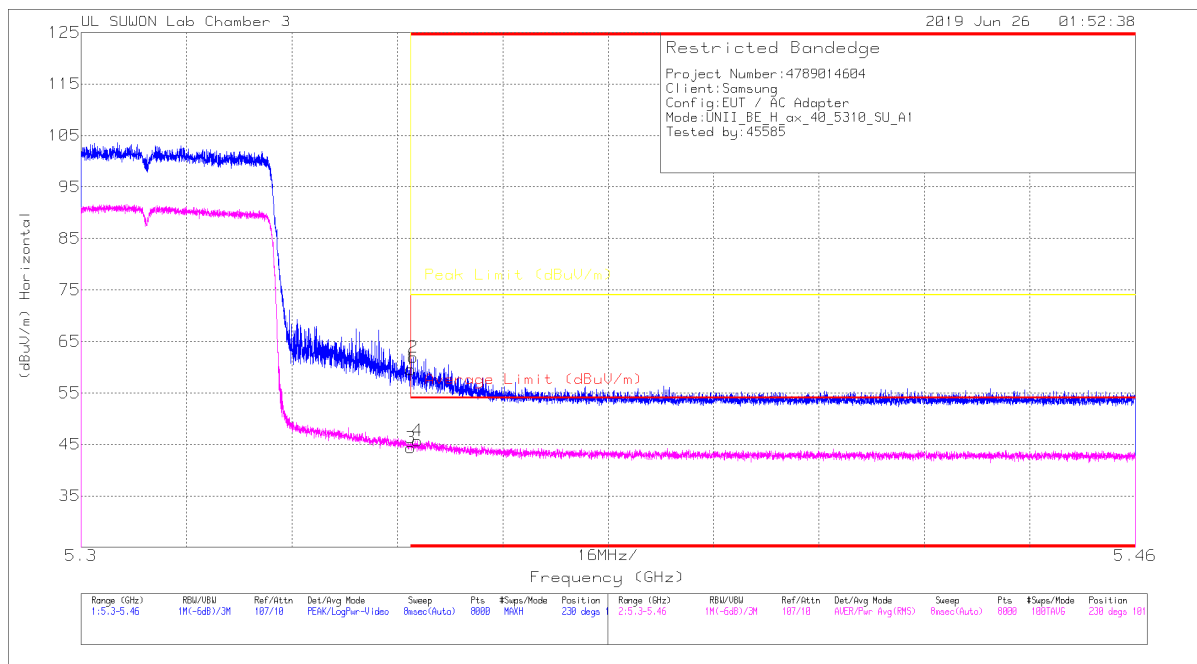
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE40 SU mode (ANT_1)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

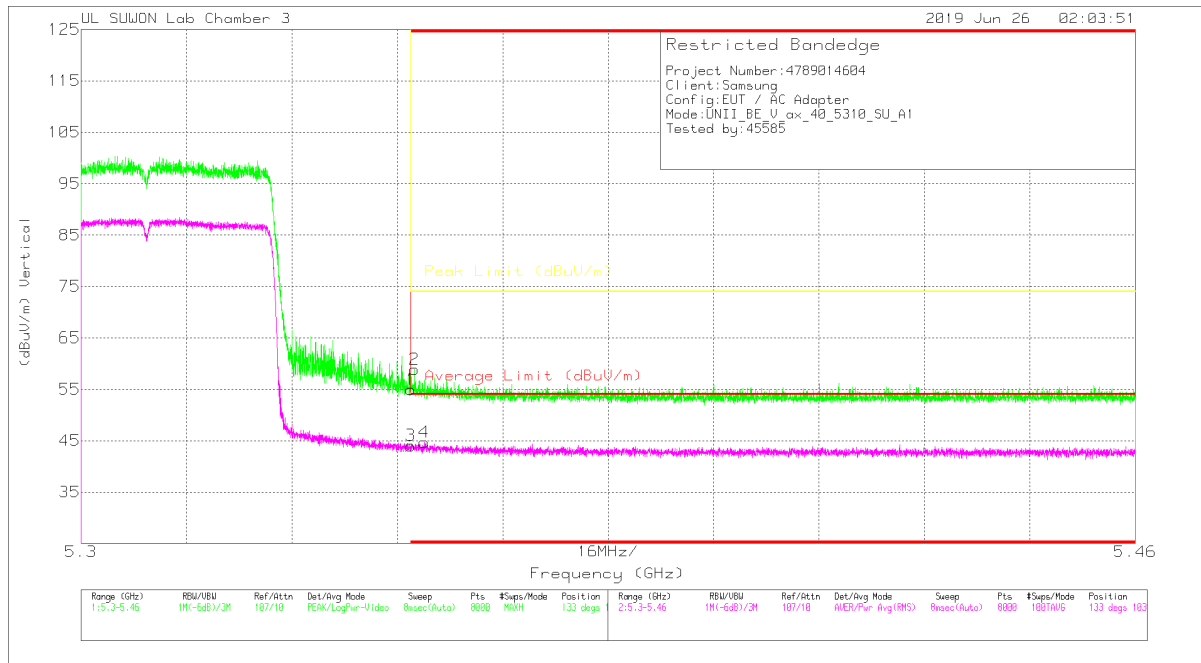
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.57	Pk	34.7	-18.7	0	59.57	-	-	74	-14.43	230	101	H
2	* 5.35	45.9	Pk	34.7	-18.7	0	61.9	-	-	74	-12.1	230	101	H
3	* 5.35	28.75	RMS	34.7	-19.1	0	44.35	54	-9.65	-	-	230	101	H
4	* 5.351	30.1	RMS	34.7	-19.1	0	45.7	54	-8.3	-	-	230	101	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.35	38.97	Pk	34.7	-18.7	0	54.97	-	-	74	-19.03	133	103	V
2	* 5.351	42.89	Pk	34.7	-18.7	0	58.89	-	-	74	-15.11	133	103	V
3	* 5.35	28.44	RMS	34.7	-19.1	0	44.04	54	-9.96	-	-	133	103	V
4	* 5.352	29.09	RMS	34.7	-19.1	0	44.69	54	-9.31	-	-	133	103	V

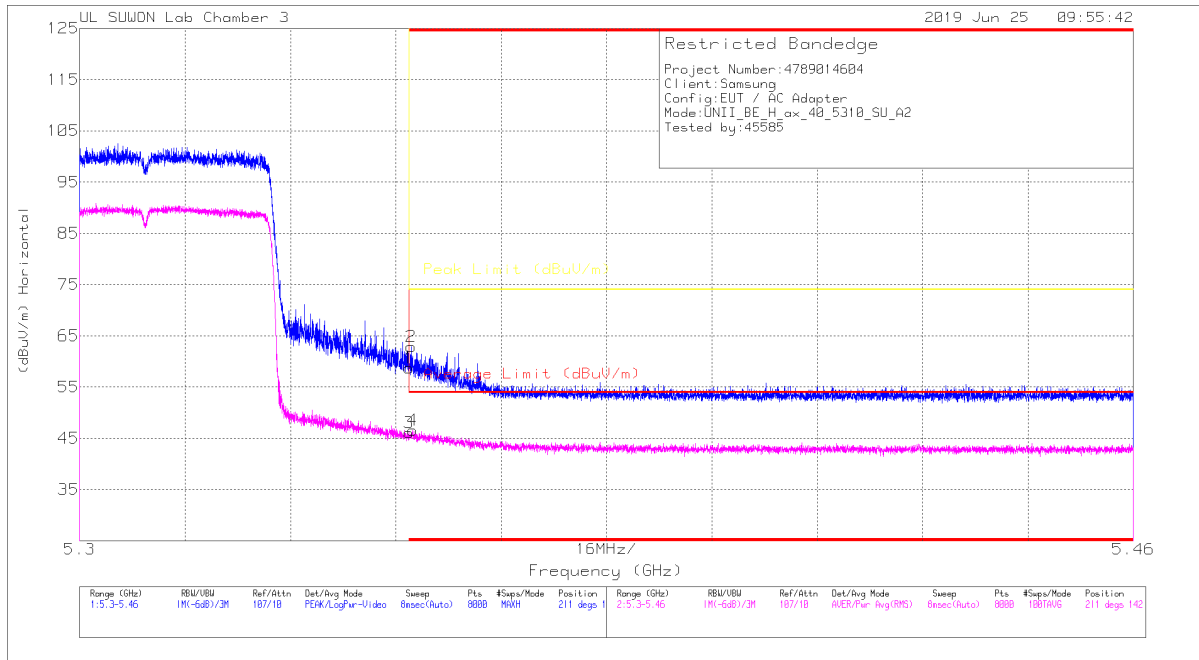
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE40 SU mode (ANT_2)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

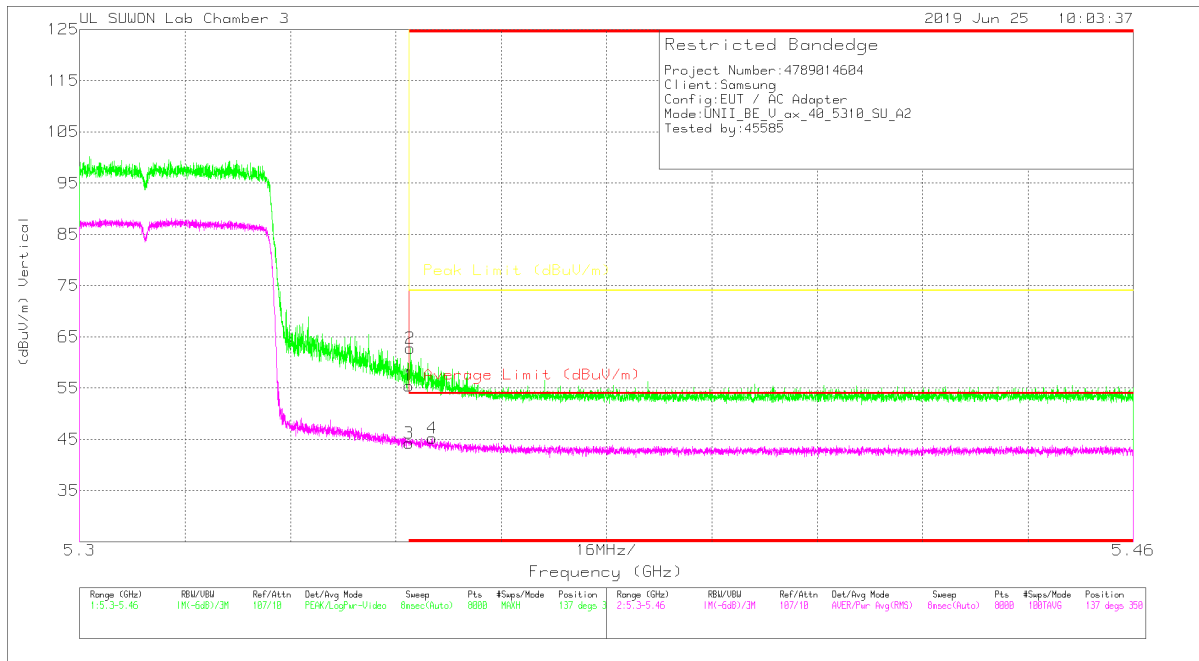
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.75	Pk	34.7	-18.7	0	58.75	-	-	74	-15.25	211	142	H
2	* 5.35	46.91	Pk	34.7	-18.7	0	62.91	-	-	74	-11.09	211	142	H
3	* 5.35	30.46	RMS	34.7	-19.1	0	46.06	54	-7.94	-	-	211	142	H
4	* 5.351	31	RMS	34.7	-19.1	0	46.6	54	-7.4	-	-	211	142	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.35	39.47	Pk		-18.7	0	55.47	-	-	74	-18.53	137	350	V
2	* 5.35	46.78	Pk		-18.7	0	62.78	-	-	74	-11.22	137	350	V
3	* 5.35	28.66	RMS		-19.1	0	44.26	54	-9.74	-	-	137	350	V
4	* 5.354	29.63	RMS		-19.1	0	45.23	54	-8.77	-	-	137	350	V

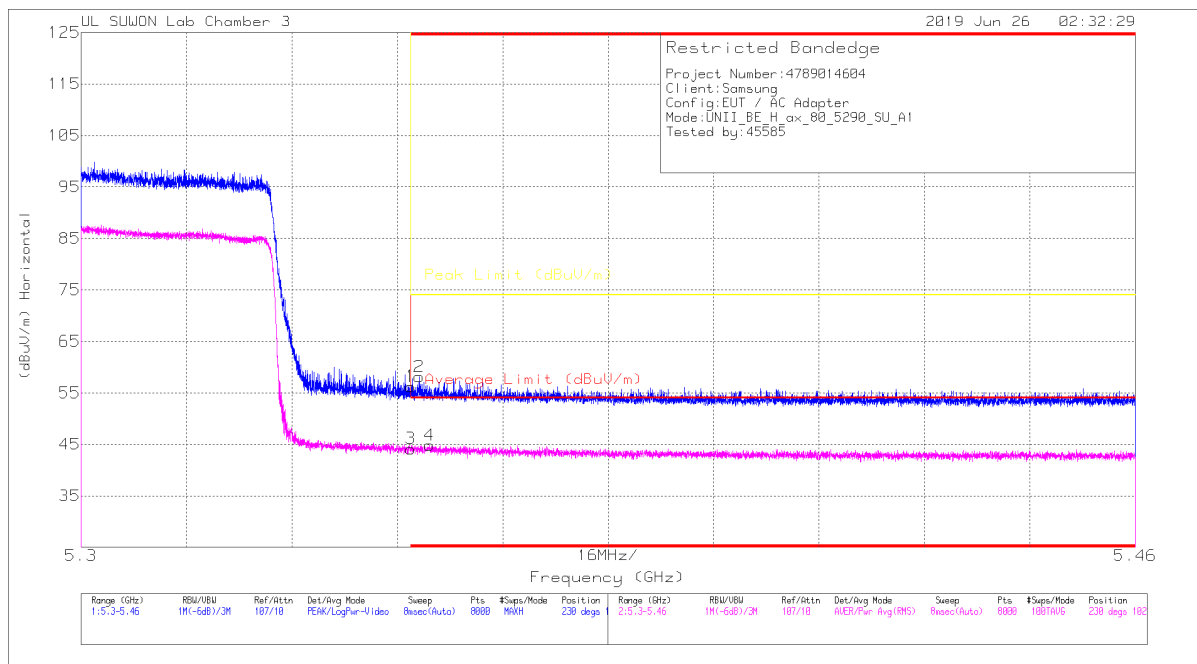
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE80 SU mode (ANT_1)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

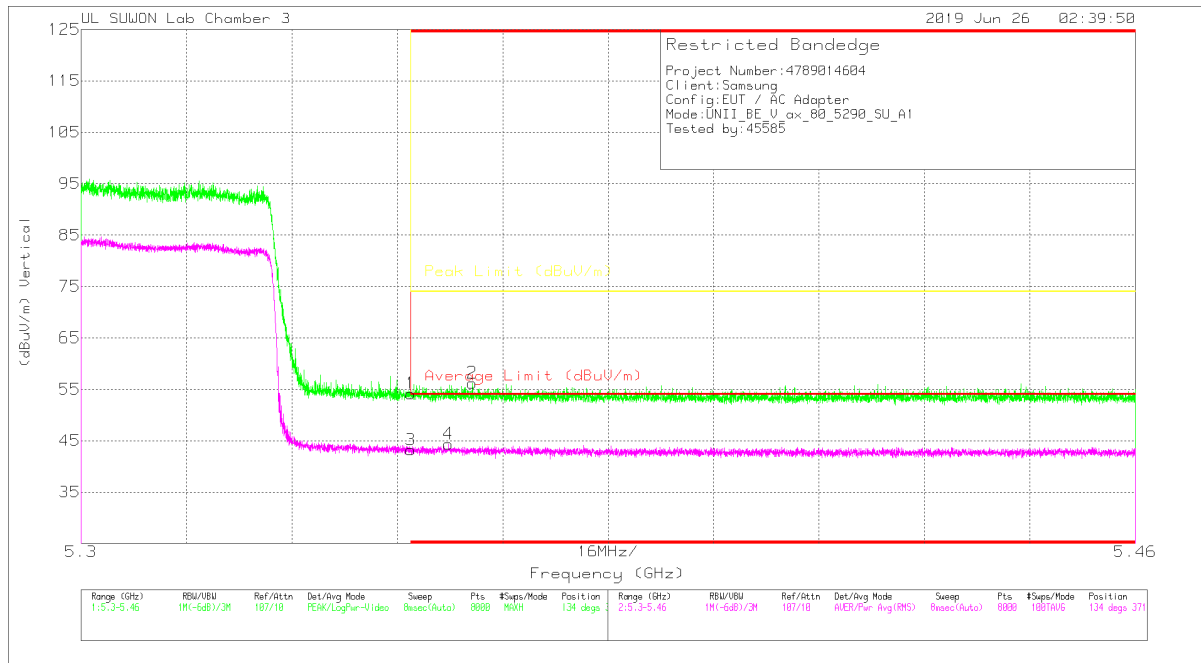
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.23	Pk	34.7	-18.7	0	56.23	-	-	74	-17.77	230	102	H
2	* 5.351	42.12	Pk	34.7	-18.7	0	58.12	-	-	74	-15.88	230	102	H
3	* 5.35	28.55	RMS	34.7	-19.1	0	44.15	54	-9.85	-	-	230	102	H
4	* 5.353	29.24	RMS	34.7	-19.1	0	44.84	54	-9.16	-	-	230	102	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB(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	* 5.35	38.17	Pk		-18.7	0	54.17	-	-	74	-19.83	134	371	V
2	* 5.359	40.21	Pk		-18.7	0	56.21	-	-	74	-17.79	134	371	V
3	* 5.35	27.65	RMS		-19.1	0	43.25	54	-10.75	-	-	134	371	V
4	* 5.356	28.77	RMS		-19.1	0	44.37	54	-9.63	-	-	134	371	V

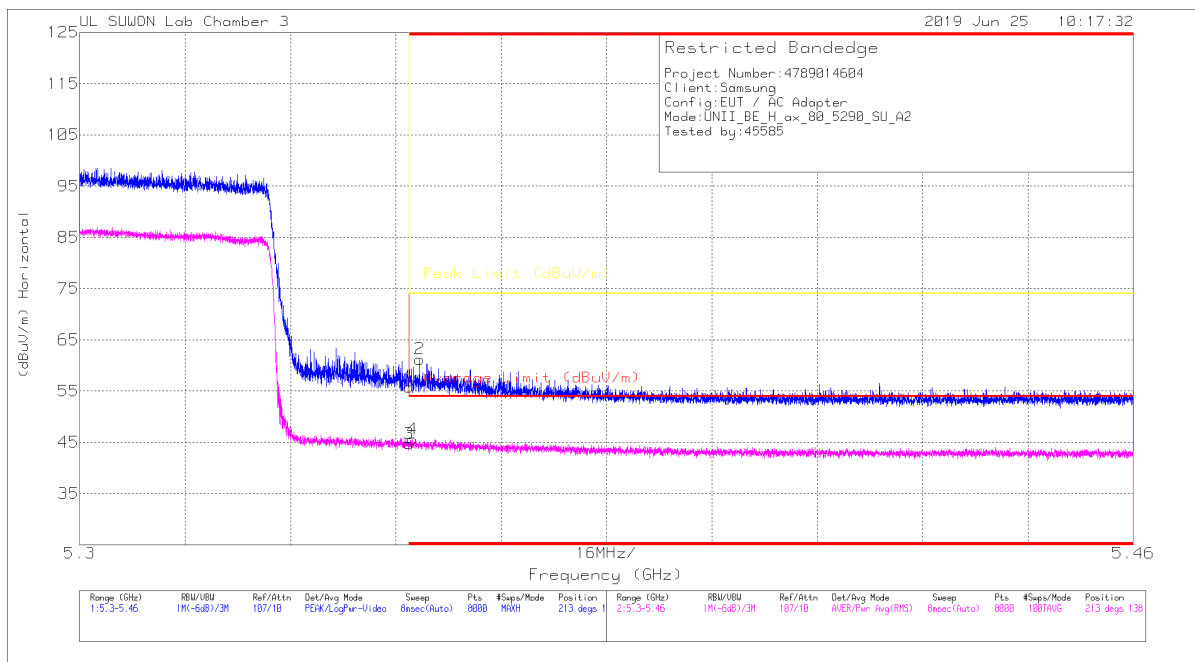
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE80 SU mode (ANT_2)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

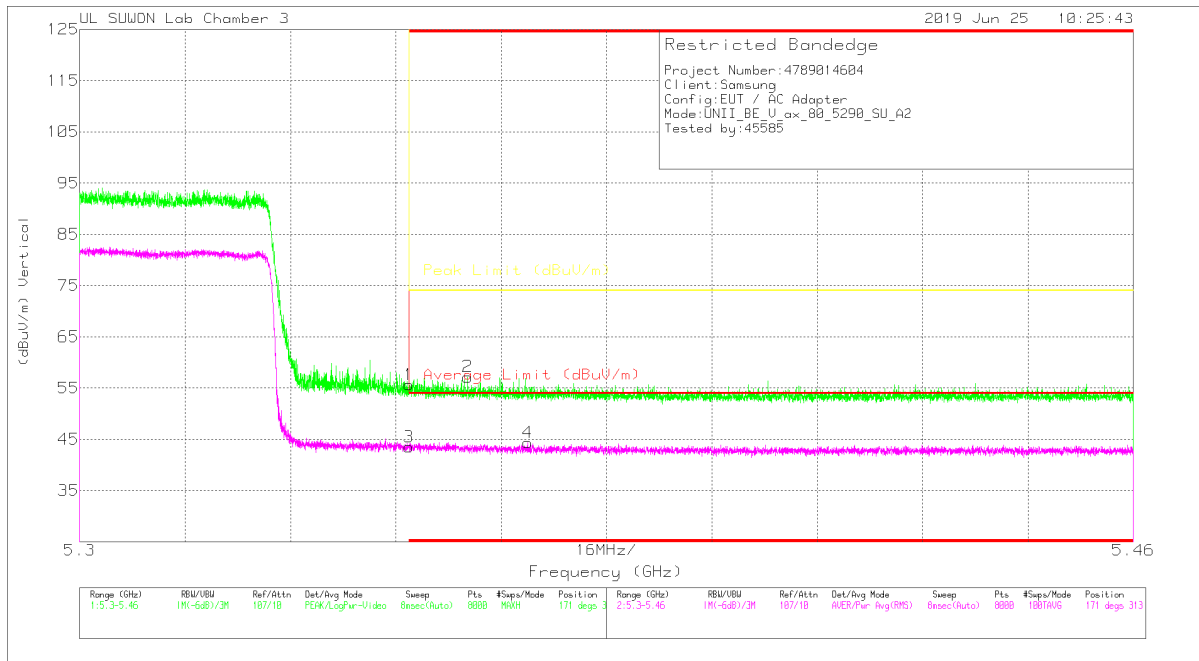
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.75	Pk	34.7	-18.7	0	55.75	-	-	74	-18.25	213	138	H
2	* 5.352	45.23	Pk	34.7	-18.7	0	61.23	-	-	74	-12.77	213	138	H
3	* 5.35	29.14	RMS	34.7	-19.1	0	44.74	54	-9.26	-	-	213	138	H
4	* 5.351	29.98	RMS	34.7	-19.1	0	45.58	54	-8.42	-	-	213	138	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.35	39.64	Pk		-18.7	0	55.64	-	-	74	-18.36	171	313	V
2	* 5.359	41.19	Pk		-18.7	0	57.19	-	-	74	-16.81	171	313	V
3	* 5.35	27.87	RMS		-19.1	0	43.47	54	-10.53	-	-	171	313	V
4	* 5.368	28.75	RMS		-19.1	0	44.35	54	-9.65	-	-	171	313	V

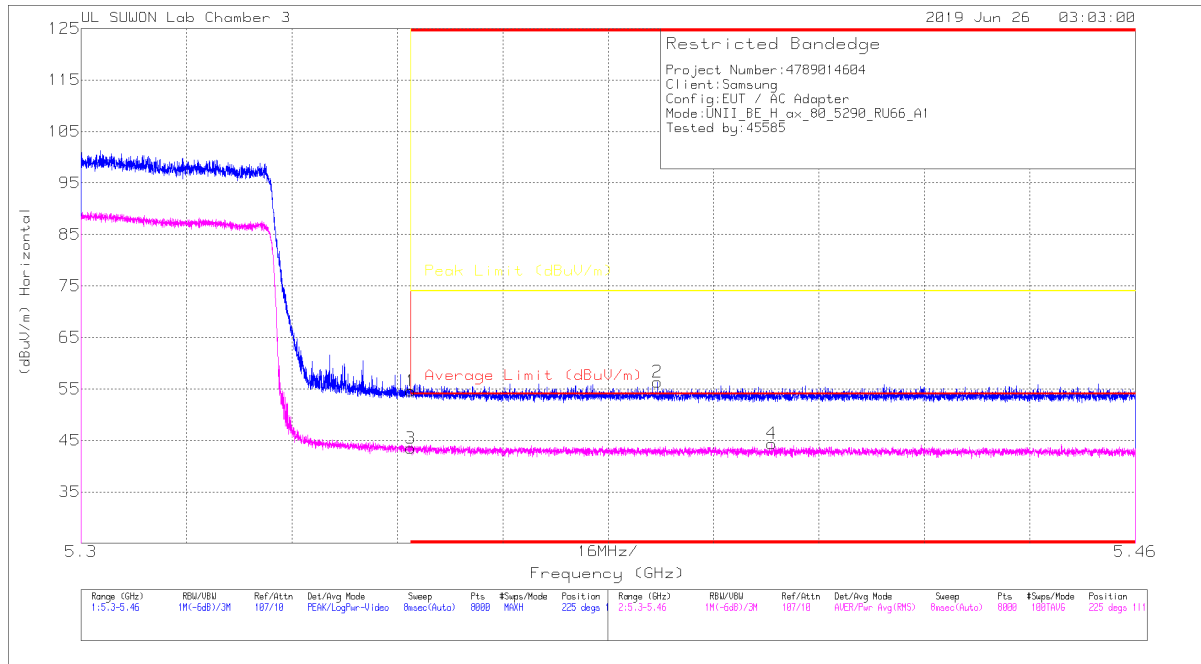
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

484T RU mode (ANT_1 / HE80 / RU offset 66)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

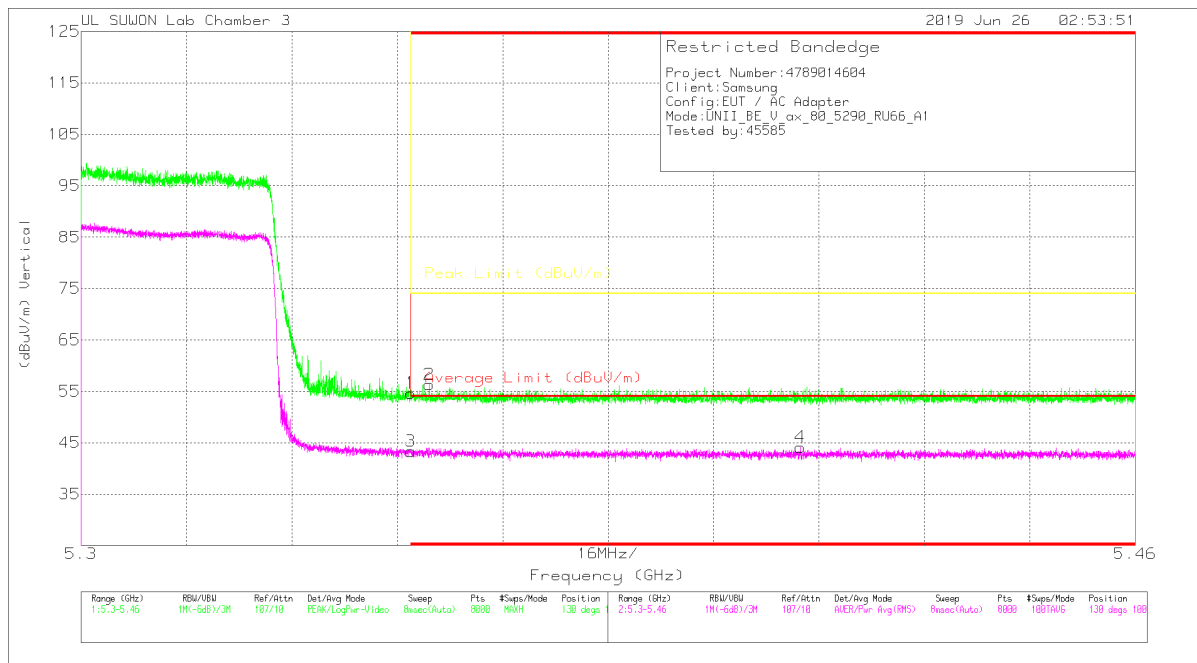
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.61	Pk	34.7	-18.7	0	54.61	-	-	74	-19.39	225	111	H
2	* 5.387	40.24	Pk	34.7	-18.6	0	56.34	-	-	74	-17.66	225	111	H
3	* 5.35	27.86	RMS	34.7	-19.1	0	43.46	54	-10.54	-	-	225	111	H
4	* 5.405	28.68	RMS	34.7	-19	0	44.38	54	-9.62	-	-	225	111	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

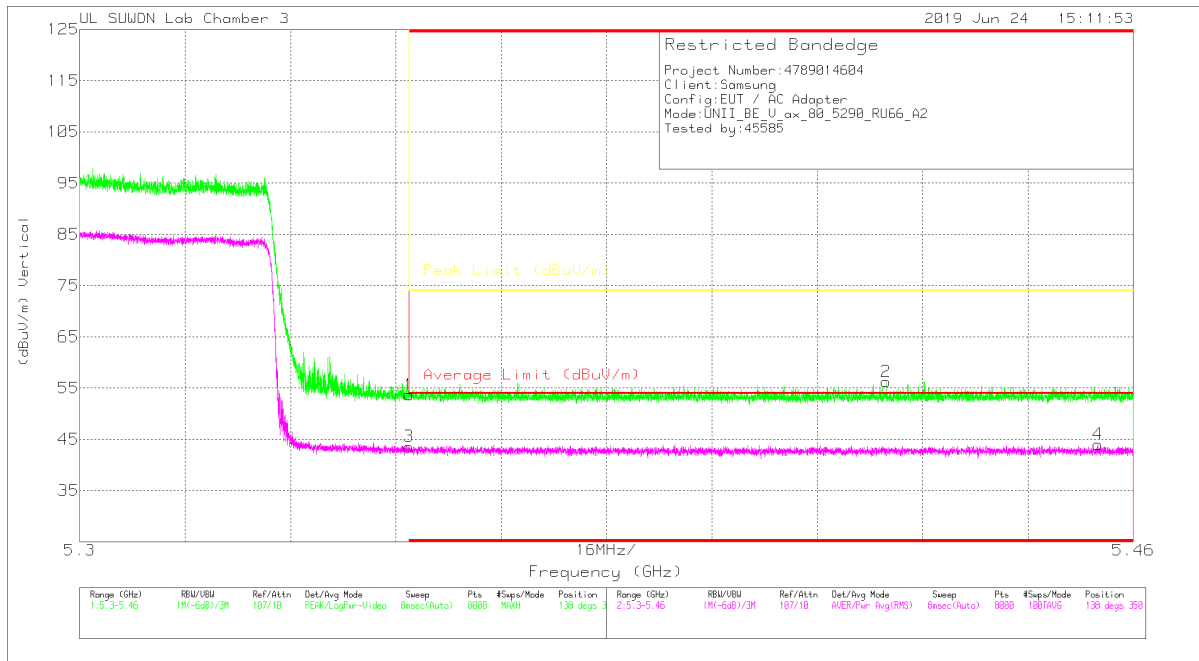
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.64	Pk	34.7	-18.7	0	54.64	-	-	74	-19.36	130	100	V
2	* 5.353	40.39	Pk	34.7	-18.8	0	56.29	-	-	74	-17.71	130	100	V
3	* 5.35	27.72	RMS	34.7	-19.1	0	43.32	54	-10.68	-	-	130	100	V
4	* 5.409	28.43	RMS	34.7	-19	0	44.13	54	-9.87	-	-	130	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.35	37.68	Pk		-18.7	0	53.68	-	-	74	-20.32	138	350	V
2	* 5.422	40.18	Pk		-18.6	0	56.28	-	-	74	-17.72	138	350	V
3	* 5.35	27.97	RMS		-19.1	0	43.57	54	-10.43	-	-	138	350	V
4	* 5.455	28.34	RMS		-19	0	44.04	54	-9.96	-	-	138	350	V

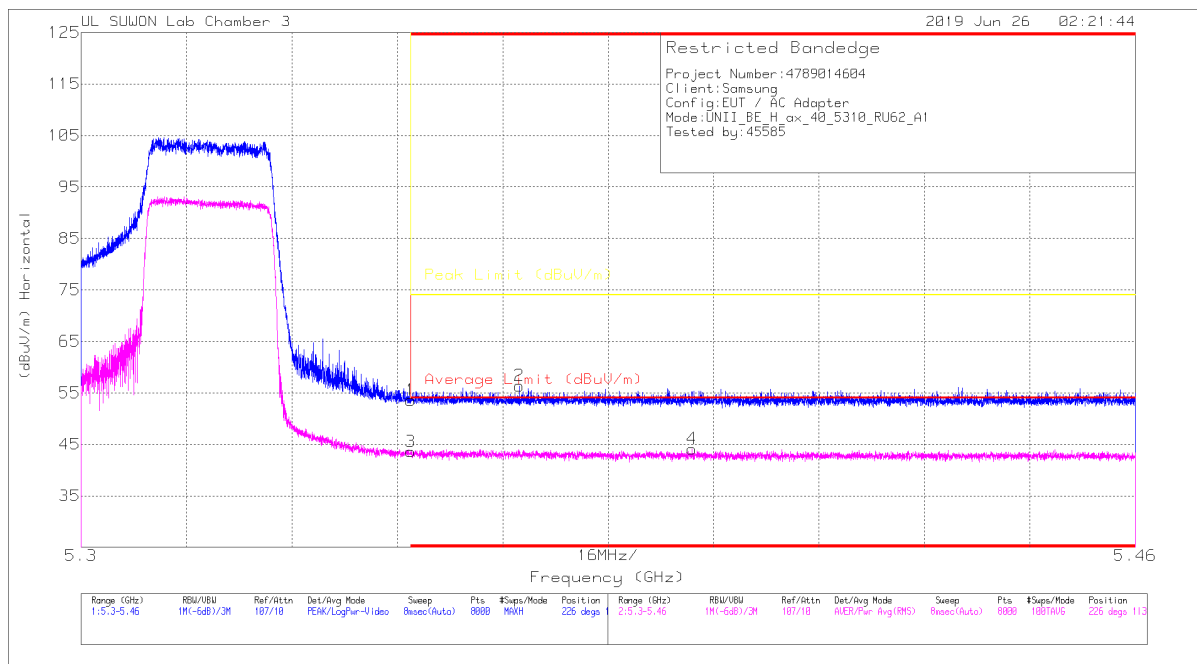
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

242T RU mode (ANT_1 / HE40 / RU offset 62)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

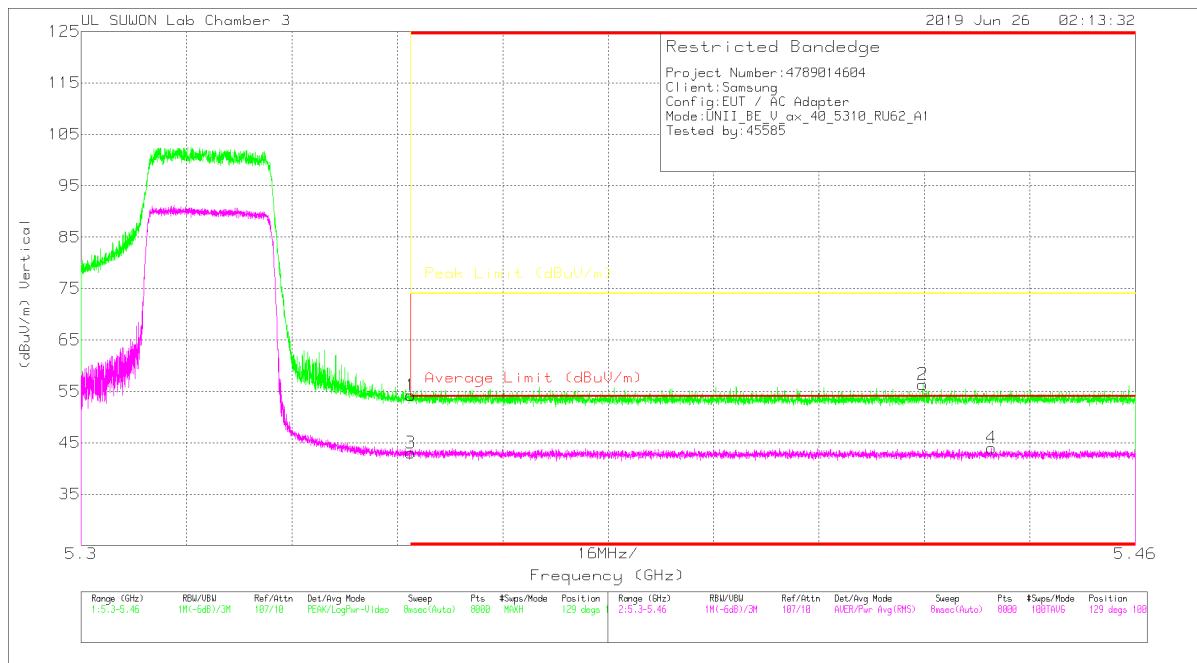
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.58	Pk	34.7	-18.7	0	53.58	-	-	74	-20.42	226	113	H
2	* 5.366	40.48	Pk	34.7	-18.8	0	56.38	-	-	74	-17.62	226	113	H
3	* 5.35	27.99	RMS	34.7	-19.1	0	43.59	54	-10.41	-	-	226	113	H
4	* 5.393	28.51	RMS	34.7	-19.1	0	44.11	54	-9.89	-	-	226	113	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB(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	* 5.35	38.23	Pk	34.7	-18.7	0	54.23	-	-	74	-19.77	129	100	V
2	* 5.428	40.24	Pk	34.7	-18.6	0	56.34	-	-	74	-17.66	129	100	V
3	* 5.35	27.44	RMS	34.7	-19.1	0	43.04	54	-10.96	-	-	129	100	V
4	* 5.438	28.31	RMS	34.7	-19	0	44.01	54	-9.99	-	-	129	100	V

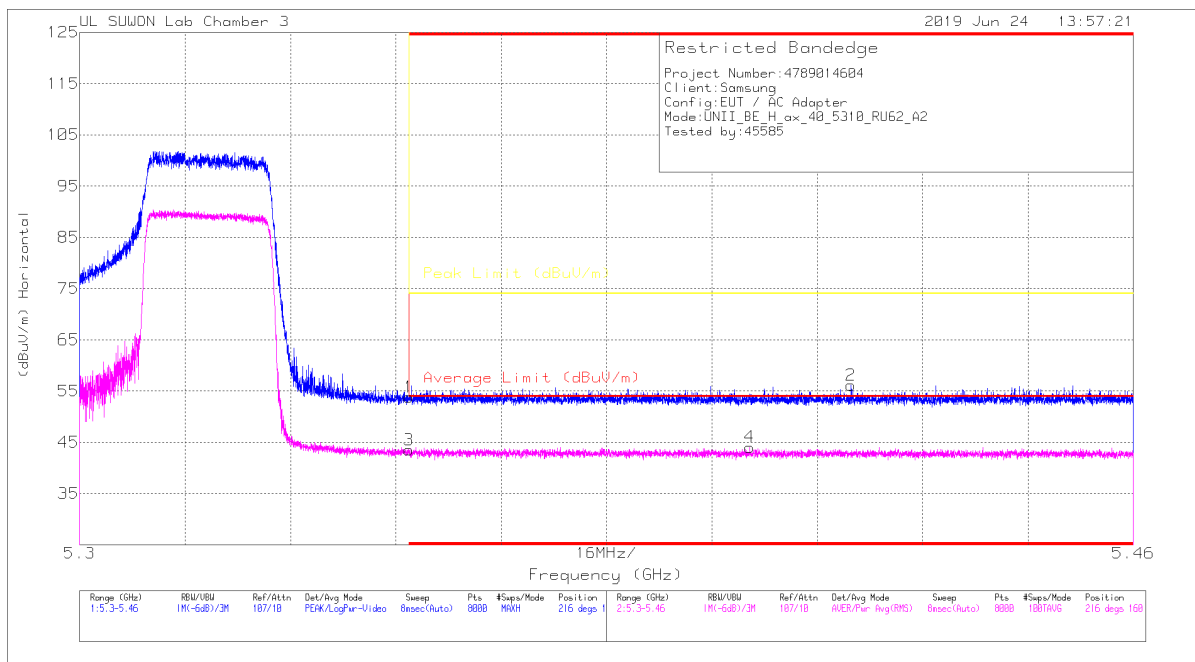
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

242T RU mode (ANT_2 / HE40 / RU offset 62)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

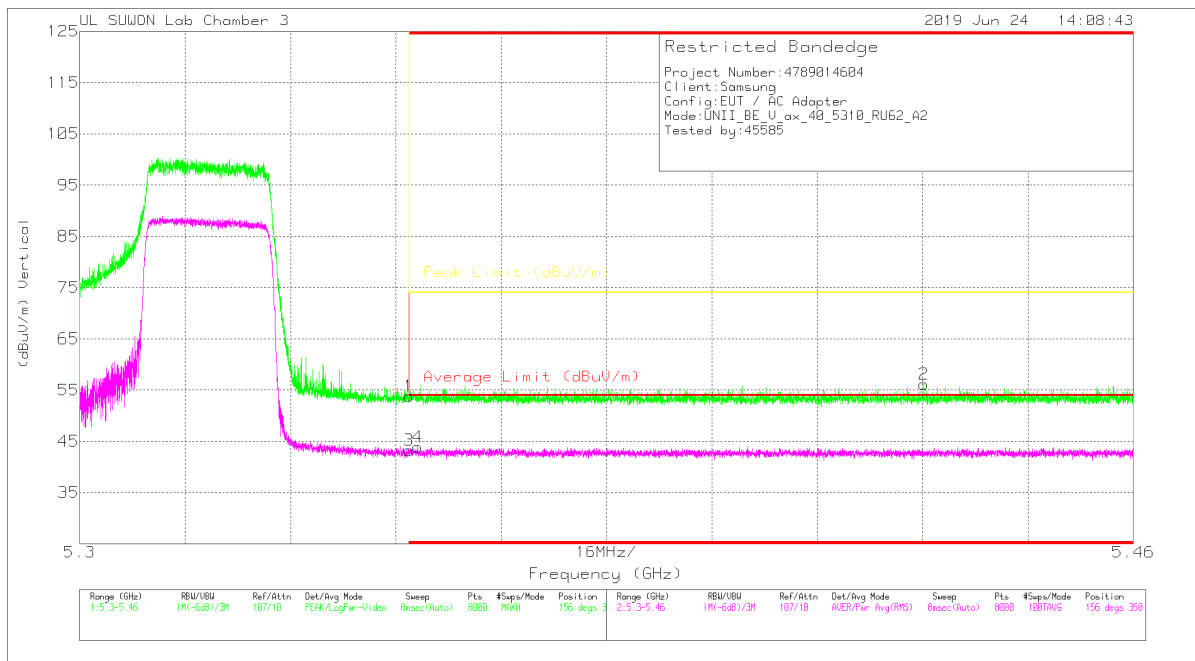
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	37.78	Pk	34.7	-18.7	0	53.78	-	-	74	-20.22	216	160	H
2	* 5.417	40.01	Pk	34.7	-18.6	0	56.11	-	-	74	-17.89	216	160	H
3	* 5.35	27.91	RMS	34.7	-19.1	0	43.51	54	-10.49	-	-	216	160	H
4	* 5.402	28.36	RMS	34.7	-19	0	44.06	54	-9.94	-	-	216	160	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.35	37.83	Pk		-18.7	0	53.83	-	-	74	-20.17	156	350	V
2	* 5.428	40.02	Pk		-18.6	0	56.12	-	-	74	-17.88	156	350	V
3	* 5.35	27.62	RMS		-19.1	0	43.22	54	-10.78	-	-	156	350	V
4	* 5.351	28.3	RMS		-19.1	0	43.9	54	-10.1	-	-	156	350	V

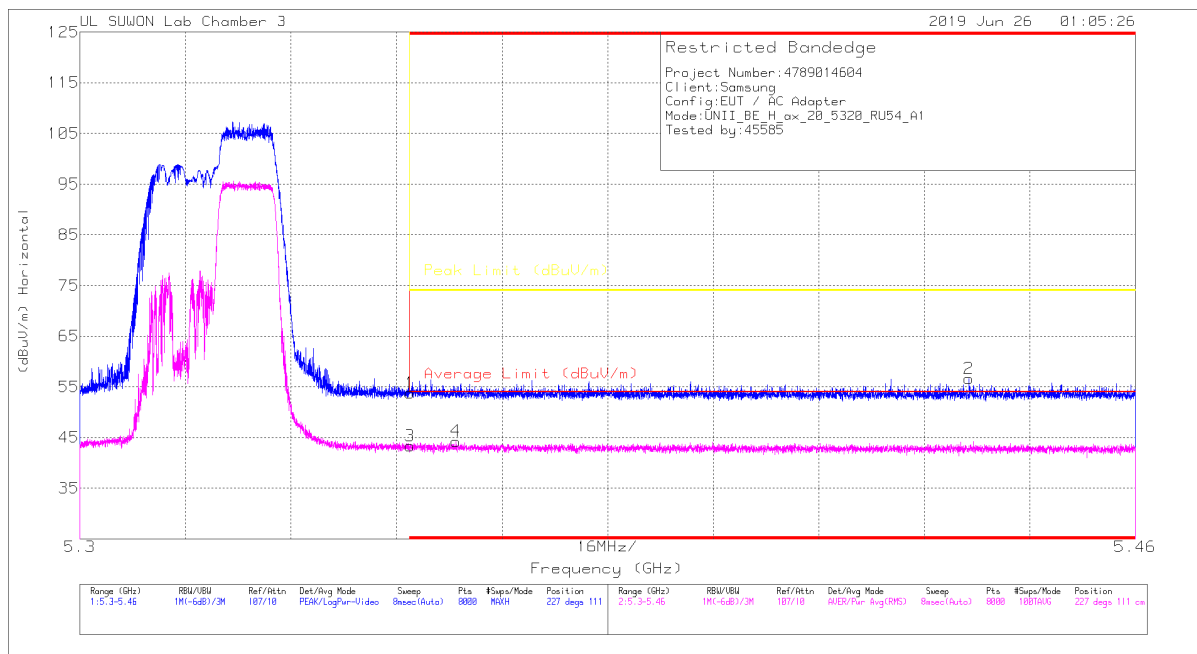
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

106T RU mode (ANT_1 / HE20 / RU offset 54)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

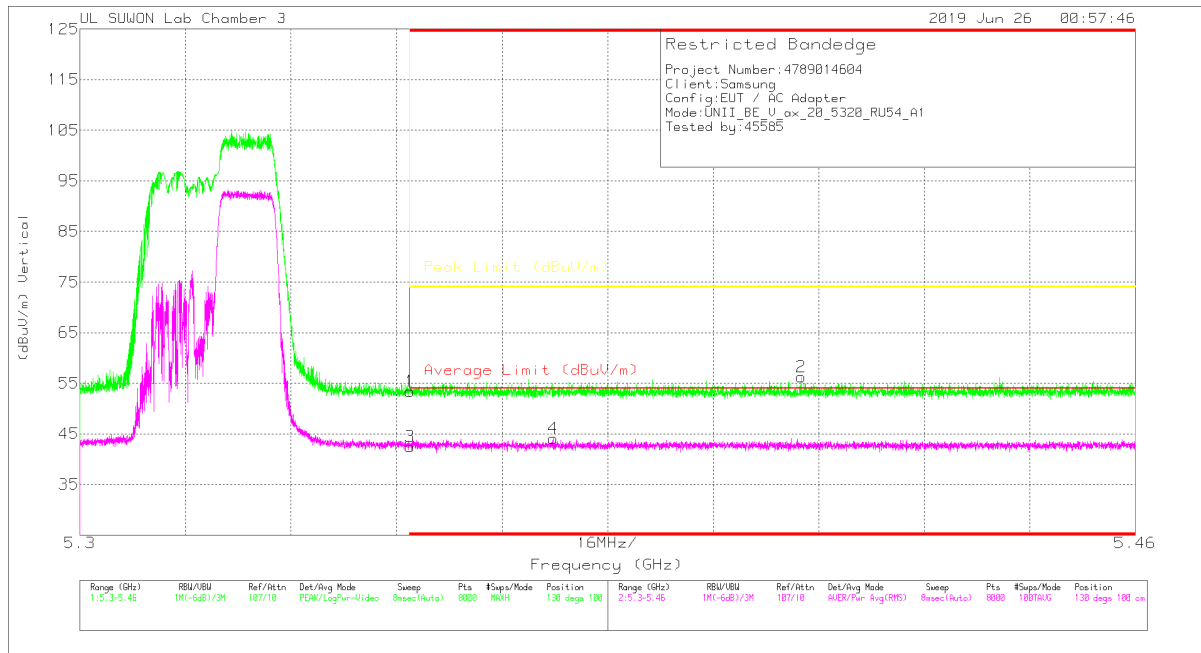
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.74	PK		-18.7	0	53.74	-	-	74	-20.26	227	111	H
2	* 5.435	40.48	PK		-18.5	0	56.68	-	-	74	-17.32	227	111	H
3	* 5.35	27.73	RMS		-19.1	0	43.33	54	-10.67	-	-	227	111	H
4	* 5.357	28.67	RMS		-19.1	0	44.27	54	-9.73	-	-	227	111	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00209959	10dB(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	* 5.35	37.43	Pk	34.7	-18.7	0	53.43	-	-	74	-20.57	130	100	V
2	* 5.409	40.13	Pk	34.7	-18.6	0	56.23	-	-	74	-17.77	130	100	V
3	* 5.35	26.82	RMS	34.7	-19.1	0	42.42	54	-11.58	-	-	130	100	V
4	* 5.372	28.54	RMS	34.7	-19.1	0	44.14	54	-9.86	-	-	130	100	V

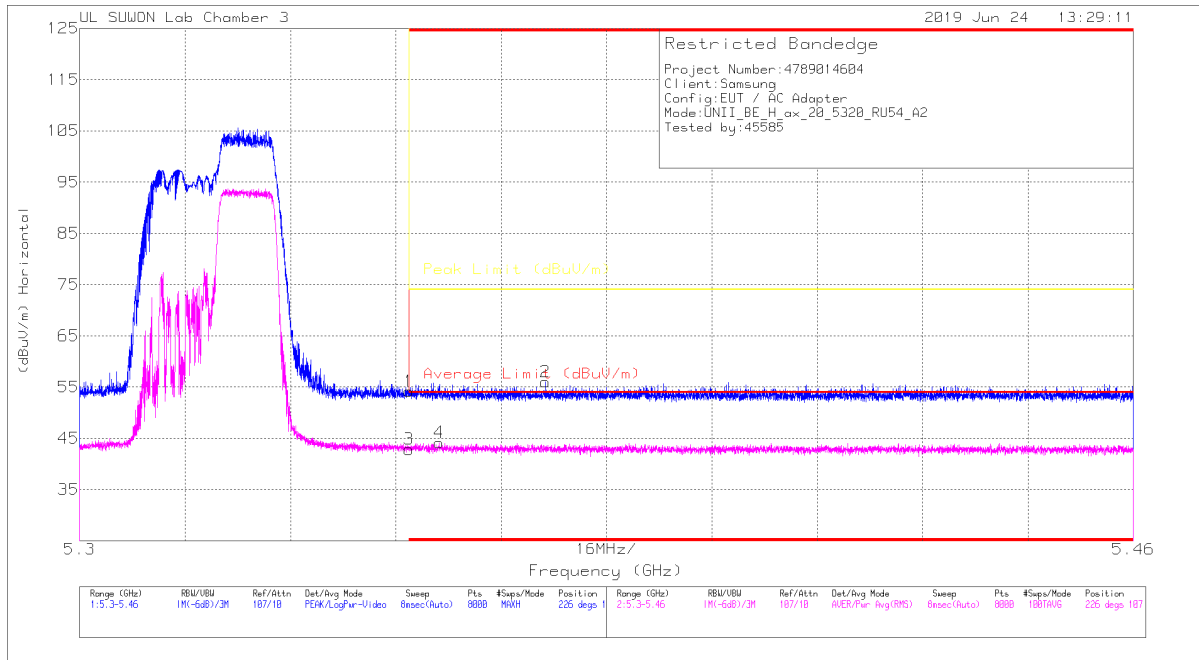
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

106T RU mode (ANT_2 / HE20 / RU offset 54)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

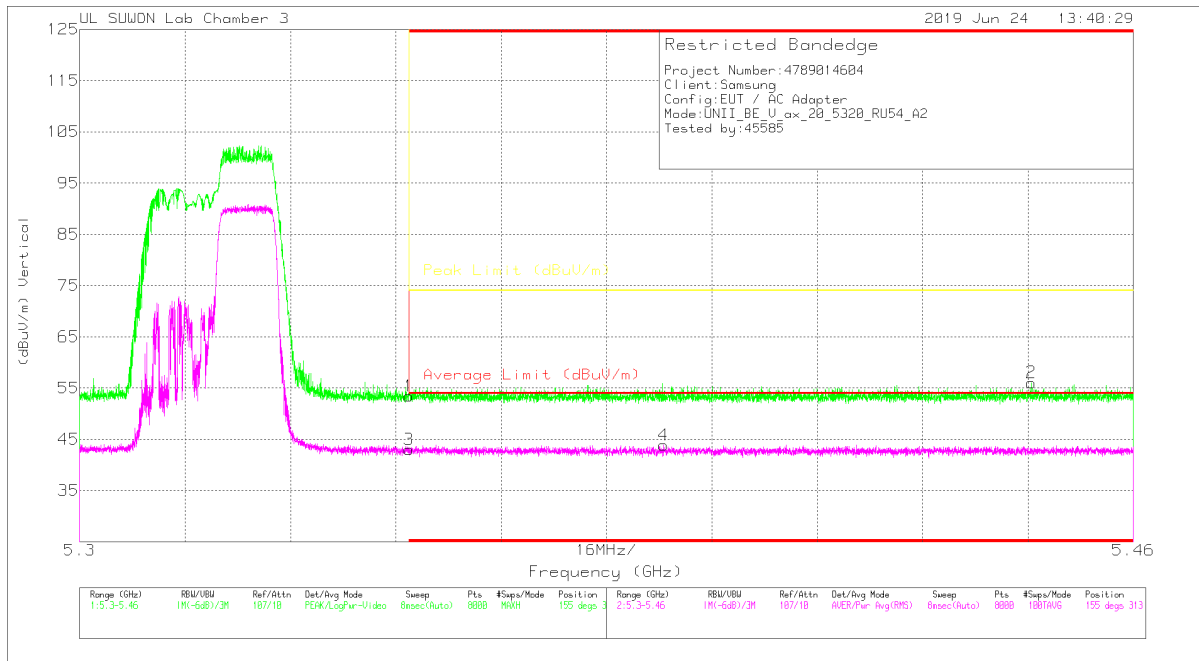
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00209959	10dB(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	38.19	Pk	34.7	-18.7	0	54.19	-	-	74	-19.81	226	107	H
2	* 5.371	40.04	Pk	34.7	-18.7	0	56.04	-	-	74	-17.96	226	107	H
3	* 5.35	27.25	RMS	34.7	-19.1	0	42.85	54	-11.15	-	-	226	107	H
4	* 5.355	28.55	RMS	34.7	-19.1	0	44.15	54	-9.85	-	-	226	107	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00205959	10dB[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	* 5.35	37.45	Pk		-18.7	0	53.45	-	-	74	-20.55	155	313	V
2	* 5.444	39.87	Pk		-18.5	0	56.07	-	-	74	-17.93	155	313	V
3	* 5.35	27.41	RMS		-19.1	0	43.01	54	-10.99	-	-	155	313	V
4	* 5.389	28.28	RMS		-19.1	0	43.88	54	-10.12	-	-	155	313	V

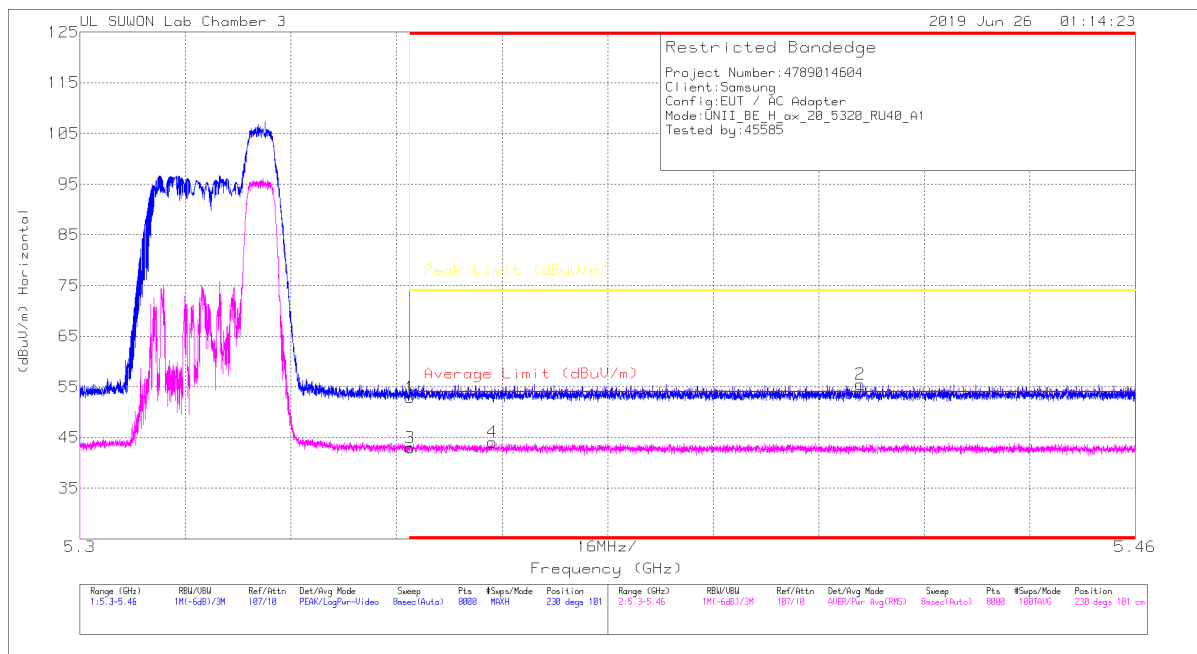
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

52T RU mode (ANT_1 / HE20 / RU offset 40)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

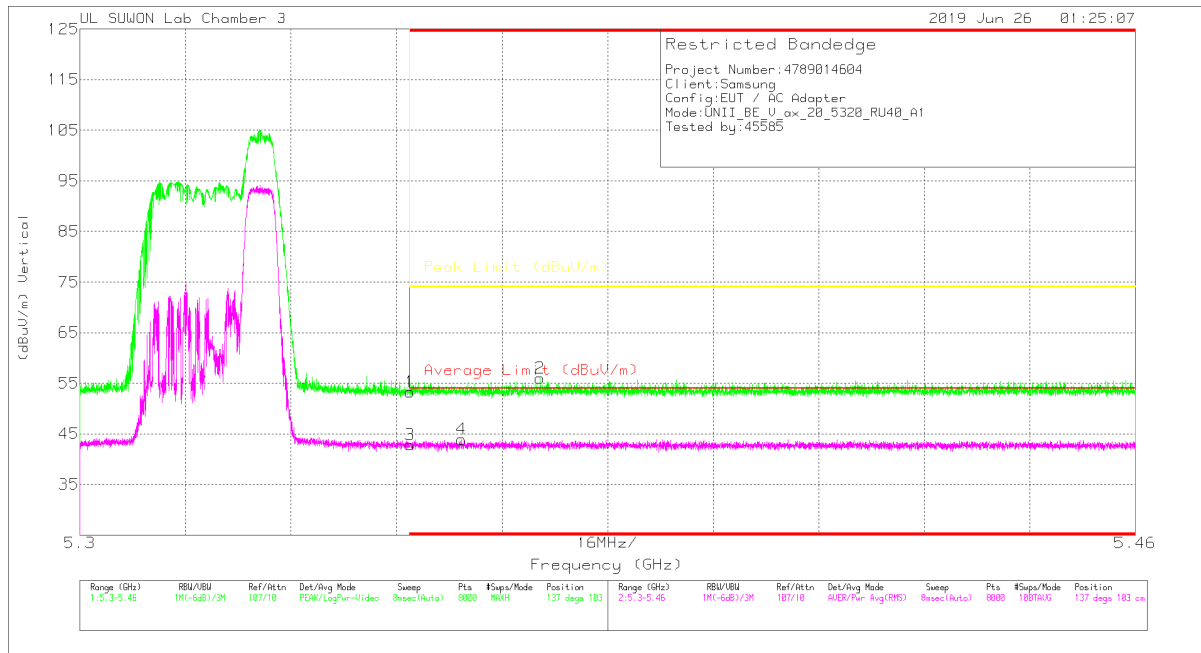
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.87	Pk		-18.7	0	52.87	-	-	74	-21.13	230	101	H
2	* 5.418	39.46	Pk		-18.6	0	55.56	-	-	74	-18.44	230	101	H
3	* 5.35	27.31	RMS		-19.1	0	42.91	54	-11.09	-	-	230	101	H
4	* 5.362	28.44	RMS		-19.1	0	44.04	54	-9.96	-	-	230	101	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-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_00209959	10dB(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	* 5.35	37.3	Pk	34.7	-18.7	0	53.3	-	-	74	-20.7	137	103	V
2	* 5.37	40.02	Pk	34.7	-18.7	0	56.02	-	-	74	-17.98	137	103	V
3	* 5.35	27.23	RMS	34.7	-19.1	0	42.83	54	-11.17	-	-	137	103	V
4	* 5.358	28.3	RMS	34.7	-19.1	0	43.9	54	-10.1	-	-	137	103	V

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

Pk - Peak detector

RMS - RMS detection