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

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FCC ID: A3LSMN976B

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TL-637

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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-N976B
SERIAL NUMBER:	R3CM506PPMB (CONDUCTED) R3CM506PPBA, R3CM506PPKV, cea741c773197e35, R3CM506Q9KN R3CM506Q9KN, R3CM506Q9BW, R3CM506Q51T (RADIATED);
DATE TESTED:	MAY 13, 2019 – JUN 21, 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.

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Tested By:

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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

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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:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

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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%.

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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.

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

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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**

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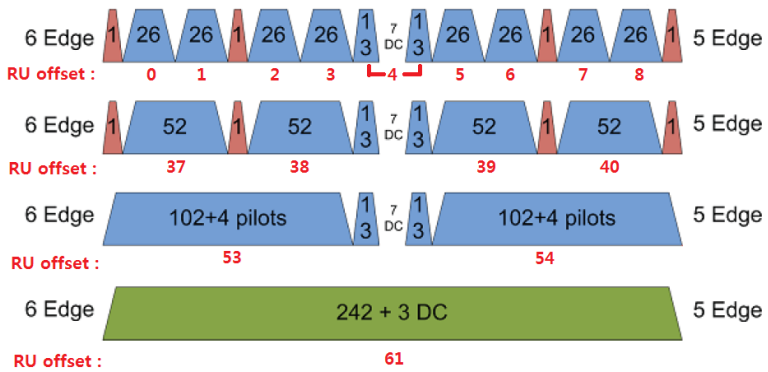
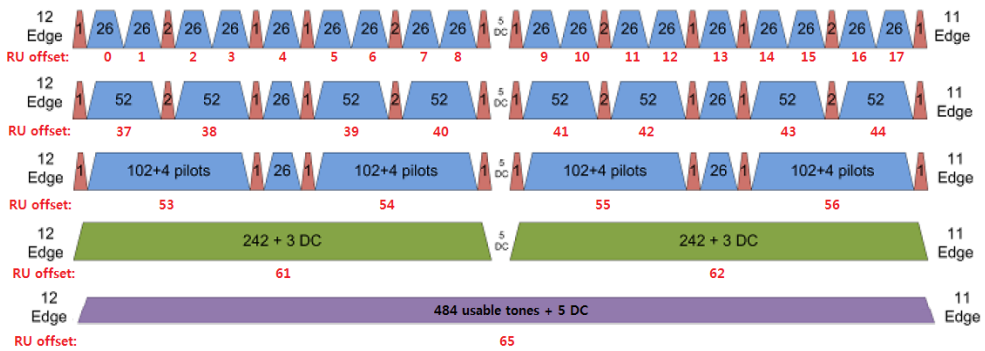
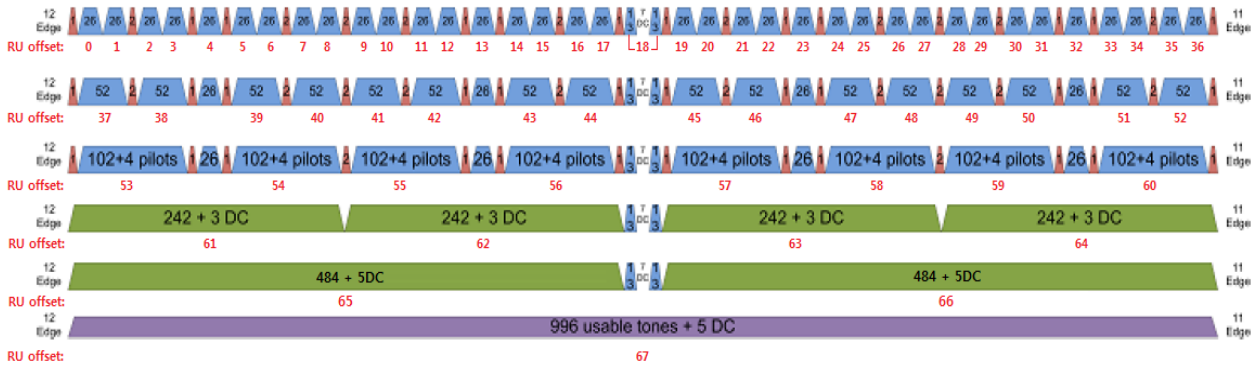
802.11ax RU allocations



- HE 20 Mode -



- HE 40 Mode -



- HE 80 Mode -

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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.

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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

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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	15.21	14.86	33.19	30.62
	802.11ax HE20 MIMO	17.92		61.94	
5190 - 5230	802.11ax HE40 SISO	13.58	13.97	22.80	24.95
	802.11ax HE40 MIMO	16.89		48.87	
5210	802.11ax HE80 SISO	13.05	12.82	20.18	19.14
	802.11ax HE80 MIMO	15.79		37.93	
5260 - 5320	802.11ax HE20 SISO	15.39	14.91	34.59	30.97
	802.11ax HE20 MIMO	17.96		62.52	
5270 - 5310	802.11ax HE40 SISO	13.73	13.68	23.60	23.33
	802.11ax HE40 MIMO	16.74		47.21	
5290	802.11ax HE80 SISO	13.07	12.86	20.28	19.32
	802.11ax HE80 MIMO	15.82		38.19	
5500 - 5720	802.11ax HE20 SISO	14.85	14.86	30.55	30.62
	802.11ax HE20 MIMO	18.10		64.57	
5510 - 5710	802.11ax HE40 SISO	14.29	13.74	26.85	23.66
	802.11ax HE40 MIMO	16.87		48.64	
5530 - 5690	802.11ax HE80 SISO	13.33	12.88	21.53	19.41
	802.11ax HE80 MIMO	16.01		39.90	
5745 - 5825	802.11ax HE20 SISO	14.71	14.68	29.58	29.38
	802.11ax HE20 MIMO	18.12		64.86	
5755 - 5795	802.11ax HE40 SISO	14.42	13.81	27.67	24.04
	802.11ax HE40 MIMO	17.00		50.12	
5775	802.11ax HE80 SISO	13.12	12.56	20.51	18.03
	802.11ax HE80 MIMO	15.65		36.73	

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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	-6.25	-6.21
UNII 2A 5250 ~ 5350	-6.44	-6.29
UNII 2C 5470 ~ 5725	-7.01	-6.15
UNII 3 5725 ~ 5850	-6.10	-6.32

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

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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 Y 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.

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5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
Charger	SAMSUNG	EP-TA800	R37M55W0ZE1SE3	N/A
Data Cable	SAMSUNG	EP-DG977	N/A	N/A

I/O CABLE

I/O Cable List						
Cable No.	**Port**	**# of identical**	**Connector**	**Cable**	**Cable**	**Remarks**
1	DC Power	1	C Type	Shielded	1.1m	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.

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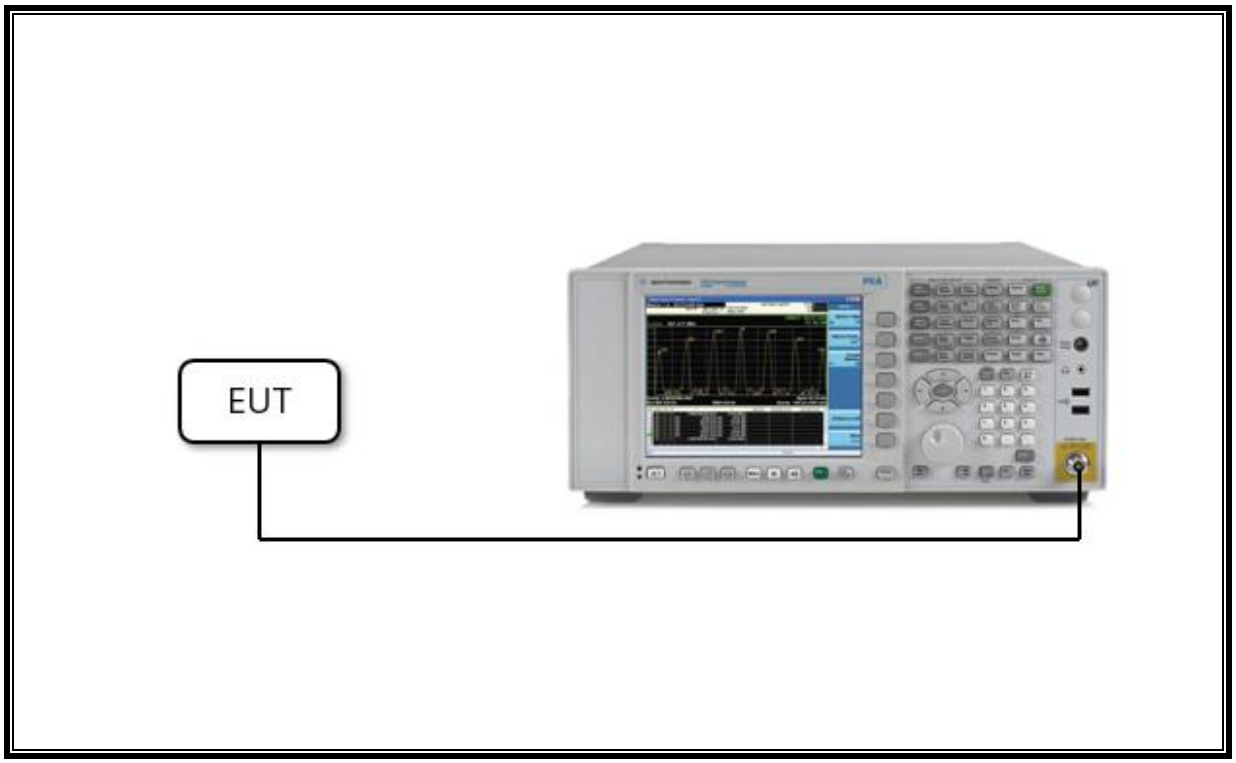
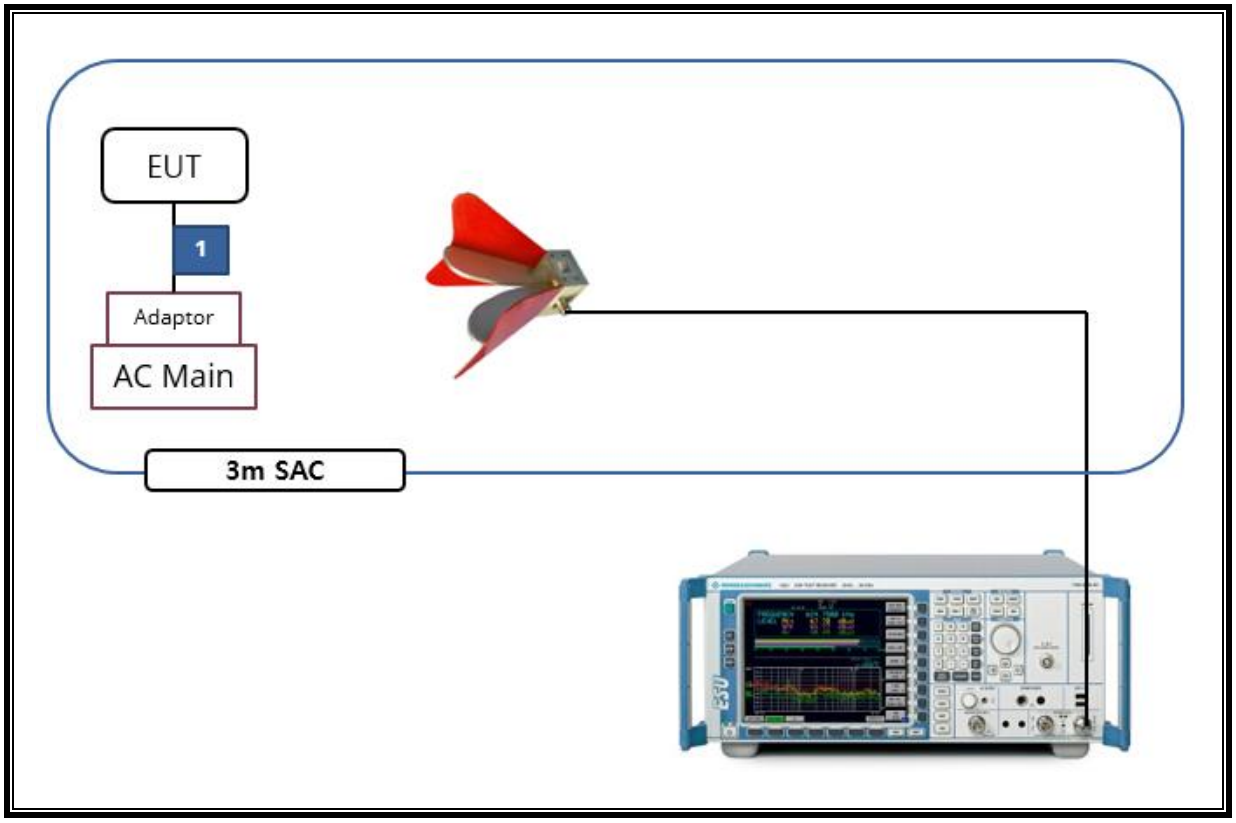
SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



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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	PASTERNACK	PE7087-10	A001	08-08-19
Attenuator	PASTERNACK	PE7087-10	A008	08-08-19
Attenuator	PASTERNACK	PE7004-10	2	08-07-19
Attenuator	PASTERNACK	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	

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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)

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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.

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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	5.150	5.180	0.99	99.42	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	5.158	5.188	0.99	99.42	0.00
			52T	5.344	5.375	0.99	99.42	0.00
			106T	2.105	2.135	0.99	98.59	0.00
			242T	5.617	5.647	0.99	99.47	0.00
			SU	5.195	5.293	0.98	98.15	0.00
	HE40	SISO	26T	4.776	4.807	0.99	99.36	0.00
			52T	5.150	5.181	0.99	99.40	0.00
			106T	4.130	4.162	0.99	99.23	0.00
			242T	3.094	3.125	0.99	99.01	0.00
			484T	2.752	2.784	0.99	98.85	0.00
			SU	5.187	5.286	0.98	98.13	0.00
		MIMO	26T	5.157	5.188	0.99	99.40	0.00
			52T	5.344	5.376	0.99	99.40	0.00
			106T	2.105	2.136	0.99	98.55	0.00
			242T	2.761	2.792	0.99	98.89	0.00
			484T	2.750	2.781	0.99	98.89	0.00
			SU	5.277	5.377	0.98	98.14	0.00
	HE80	SISO	26T	4.779	4.811	0.99	99.33	0.00
			52T	5.149	5.181	0.99	99.38	0.00
			106T	4.132	4.163	0.99	99.26	0.00
			242T	5.453	5.485	0.99	99.42	0.00
			484T	5.457	5.489	0.99	99.42	0.00
			996T	4.905	5.005	0.98	98.00	0.00
			SU	5.420	5.520	0.98	98.19	0.00
		MIMO	26T	5.158	5.190	0.99	99.38	0.00
			52T	5.345	5.377	0.99	99.40	0.00
			106T	2.105	2.137	0.99	98.50	0.00
			242T	2.761	2.792	0.99	98.89	0.00
			484T	2.751	2.783	0.99	98.85	0.00
			996T	4.909	5.009	0.98	98.00	0.00
			SU	5.067	5.167	0.98	98.06	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.

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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 inclueded 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

- Turning Frequency : 5725MHz
- Marker 2: 5710 MHz
- Marker 3: 5730 MHz
- 26dB Bandwidth of UNII-2C band Portion
  = (5725 – 5710) = 15 MHz
- 26dB Bandwidth of UNII-3 band Portion
  = (5730 - 5725) = 5 MHz

RESULTS

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

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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	19.68	19.78
				4	18.77	18.16
				8	19.89	19.33
			52T	37	19.97	19.56
				38	18.45	19.13
				40	19.00	20.97
			106T	53	20.56	19.85
				54	20.80	20.54
			SU	-	21.36	21.39
		5200	26T	0	19.79	19.25
				4	18.41	19.04
				8	20.66	20.40
			52T	37	18.75	18.89
				38	19.30	19.35
				40	21.08	20.54
			106T	53	20.57	19.70
				54	20.53	21.38
			SU	-	***21.78***	***21.67***
		5240	26T	0	19.93	20.10
				4	18.84	18.89
				8	20.50	20.38
			52T	37	17.87	19.14
				38	18.95	19.46
				40	20.99	20.57
			106T	53	20.69	20.74
				54	20.46	21.14
			SU	-	21.61	21.57

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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	19.38	18.87
				9	21.95	21.93
				17	18.98	17.90
			52T	37	19.39	21.02
				41	24.39	21.22
				44	19.92	20.69
			106T	53	20.76	23.37
				54	25.37	25.29
				56	24.54	23.71
			242T	61	29.60	28.55
				62	28.89	28.28
			SU	-	***39.91***	39.59
		5230	26T	0	18.53	19.30
				9	22.43	23.59
				17	20.00	18.90
			52T	37	20.57	20.59
				41	23.95	20.75
				44	21.02	20.99
			106T	53	23.32	20.23
				54	23.85	26.55
				56	22.32	23.16
			242T	61	28.60	28.38
				62	31.88	29.86
			SU	-	39.74	***40.03***

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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	21.43	20.68
				18	37.96	42.63
				36	23.05	20.36
			52T	37	21.66	20.67
				45	26.28	26.02
				52	25.16	23.25
			106T	53	24.45	25.16
				57	28.33	33.51
				60	27.93	28.31
			242T	61	36.42	36.18
				62	42.82	50.87
				64	35.94	33.70
			484T	65	60.40	67.56
				66	60.61	56.53
			SU	-	***81.48***	***81.62***

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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	19.85	19.74
				4	18.39	18.74
				8	19.85	20.44
			52T	37	20.03	20.28
				38	19.23	19.61
				40	20.71	20.77
			106T	53	19.27	20.61
				54	21.06	19.91
			SU	-	21.58	21.42
		5300	26T	0	19.29	19.89
				4	18.25	18.50
				8	20.68	20.53
			52T	37	19.25	18.33
				38	19.31	18.60
				40	20.33	20.78
			106T	53	20.62	19.35
				54	19.65	21.25
			SU	-	***21.70***	21.25
		5320	26T	0	19.74	18.82
				4	18.55	19.04
				8	19.60	19.69
			52T	37	18.65	19.85
				38	18.34	19.17
				40	19.35	20.50
			106T	53	20.88	20.81
				54	19.72	21.20
			SU	-	21.49	***21.50***

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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	18.65	20.18
				9	22.76	22.64
				17	18.84	19.36
			52T	37	20.54	20.98
				41	23.06	21.67
				44	21.10	21.41
			106T	53	22.37	19.12
				54	24.24	24.82
				56	24.41	24.36
			242T	61	27.66	28.11
				62	30.08	29.01
			SU	-	39.60	39.64
		5310	26T	0	20.19	19.95
				9	18.86	21.36
				17	18.66	20.28
			52T	37	21.16	20.90
				41	19.79	21.82
				44	21.08	20.52
			106T	53	17.53	21.86
				54	23.87	23.94
				56	23.09	24.36
			242T	61	32.97	29.41
				62	29.51	29.75
			SU	-	***39.88***	***39.66***

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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	22.26	19.92
				18	40.37	36.70
				36	24.24	23.48
			52T	37	22.75	20.24
				45	27.53	26.95
				52	25.34	22.75
			106T	53	24.45	20.78
				57	33.44	32.49
				60	30.28	28.33
			242T	61	36.17	33.79
				62	49.85	44.69
				64	32.50	38.74
			484T	65	60.86	58.31
				66	60.74	59.14
			SU	-	***81.70***	***81.75***

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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	18.78	19.72
				4	17.78	18.49
				8	20.60	20.79
			52T	37	19.96	20.03
				38	18.58	18.92
				40	20.80	20.91
			106T	53	21.01	20.84
				54	20.80	20.65
			SU	-	21.43	21.46
		5580	26T	0	18.60	19.68
				4	19.14	19.30
				8	20.14	20.20
			52T	37	20.24	19.01
				38	18.05	19.59
				40	20.56	21.11
			106T	53	20.87	20.35
				54	20.61	19.45
			SU	-	21.20	***21.53***
		5700	26T	0	19.30	19.86
				4	18.80	18.38
				8	20.05	20.27
			52T	37	19.86	20.21
				38	18.61	18.37
				40	19.99	19.57
			106T	53	20.31	20.56
				54	21.03	20.57
			SU	-	***21.51***	21.41
UNII-2C	HE20	Straddle 5720	26T	0	19.93	18.82
				4	18.51	18.09
				8	-	
			52T	37	19.81	***20.14***
				38	19.54	19.36
				40	-	
			106T	53	***20.03***	19.70
				54*	15.42	15.15
			SU	-*	15.65	15.80

* RU Allocation included in the straddle band.

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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	20.15	17.76
				9	21.24	22.22
				17	19.62	20.16
			52T	37	20.61	19.59
				41	22.05	24.45
				44	21.35	19.74
			106T	53	23.26	23.60
				54	26.30	25.04
				56	23.77	23.32
			242T	61	28.94	27.80
				62	28.56	30.97
			SU	-	39.42	***39.96***
		5590	26T	0	19.51	17.78
				9	22.70	21.97
				17	20.20	19.33
			52T	37	17.17	21.17
				41	21.56	25.38
				44	21.64	21.02
			106T	53	21.96	24.03
				54	25.54	24.64
				56	24.24	24.26
			242T	61	28.25	27.82
				62	29.92	29.34
			SU	-	39.73	39.71
		5670	26T	0	19.87	20.03
				9	22.52	22.45
				17	18.87	20.23
			52T	37	20.68	19.79
				41	22.19	24.33
				44	21.71	20.29
			106T	53	23.06	22.84
				54	24.58	25.20
				56	24.13	23.77
			242T	61	28.01	29.15
				62	29.75	29.17
			SU	-	***39.89***	39.78

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UNII-2C	**HE40**	Straddle 5710	26T	0	18.96	19.75
				9	21.29	22.31
				17	-	
			52T	37	17.19	20.03
				41	22.31	23.96
				44	-	
			106T	53	23.07	18.54
				54	24.17	27.55
				56*	19.48	18.86
			242T	61	27.20	29.44
				62*	25.96	26.30
			SU	-*	***34.86***	***35.07***

* RU Allocation included in the straddle band.

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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	18.38	21.77
				18	40.76	35.76
				36	22.70	21.99
			52T	37	21.48	22.80
				45	24.95	26.56
				52	22.44	22.72
			106T	53	25.78	24.84
				57	33.56	29.16
				60	22.33	29.63
			242T	61	36.82	37.53
				62	45.72	49.11
				64	34.62	37.60
			484T	65	54.98	56.72
				66	57.71	62.57
			SU	-	81.43	81.48
		5610	26T	0	20.77	19.41
				18	33.23	40.51
				36	20.89	22.75
			52T	37	21.13	17.42
				45	27.70	23.57
				52	22.33	21.88
			106T	53	24.09	25.27
				57	31.89	34.37
				60	29.33	25.02
			242T	61	34.26	36.30
				62	49.50	50.54
				64	49.36	32.76
			484T	65	52.36	55.05
				66	69.00	68.09
			SU	-	***81.52***	***81.61***

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UNII-2C	**HE80**	Straddle 5690	26T	0	21.91	18.80
				18	40.66	33.26
				36	-	
			52T	37	22.71	20.68
				45	24.69	26.97
				52	-	
			106T	53	21.30	25.94
				57	29.97	30.91
				60*	24.50	23.36
			242T	61	35.48	32.86
				62	50.50	54.81
				64*	34.56	28.10
			484T	65	56.01	53.44
				66*	71.24	56.74
			SU	-*	***76.00***	***75.89***

* RU Allocation included in the straddle band.

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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 to100KHz, the VBW >= 3 x RBW, peak detector and max hold.

NOTE

- Calculation for 6dB Bandwidth of RU allocation inclueded to straddle band in UNII-3 Straddle Channel

ex) Marker 3: Upper point of 6 dB bandwidth
- Marker 3: 5728 MHz
- Starting Frequency of UNII-3 band : 5725MHz
- 6dB Bandwidth of UNII-3 band Portion
  = (5728 - 5725) = 3 MHz

RESULTS

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

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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	1.975	1.979	0.5
			52T	40	13.200	4.040	
			106T	54*	4.542	4.532	
			SU	-	4.438	4.416	
		5745	26T	0	2.061	2.041	
		5785	26T	0	2.064	2.014	
		5825	26T	0	2.022	2.033	
		Mnimum 6dB Bandwidth			***1.975***	1.979	

* 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	1.817	1.989	0.5
			52T	44	11.540	7.653	
			106T	56*	3.868	3.796	
			242T	62*	3.776	3.512	
			SU	-	3.792	3.752	
		5755	26T	0	2.015	1.935	
		5795	26T	0	11.480	16.500	
		Mnimum 6dB Bandwidth			***1.817***	1.935	

* 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	2.028	2.008	0.5
			52T	52	15.290	10.260	
			106T	60*	3.912	3.972	
			484T	66*	3.798	3.252	
			SU	-	2.760	2.936	
		5775	26T	0	2.035	1.967	
		Mnimum 6dB Bandwidth			2.028	***1.967***	

* RU Allocation included in the straddle band.

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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 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 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 >= 3 x RBW, RMS detector and trace averaging, add 10 log (1MHz/RBW). For UNII-3, add 10 log (500kHz/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	-6.25	-6.21	-3.22
UNII 2A 5250 - 5350	-6.44	-6.29	-3.35
UNII 2C 5470 - 5725	-7.01	-6.15	-3.56
UNII 3 5725 - 5850	-6.10	-6.32	-3.20

RESULTS

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

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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	18.16	-3.22	-3.22
Mid	5200	18.41	-3.22	-3.22
High	5240	17.87	-3.22	-3.22

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5180	23.59	23.59	11.00	11.00
Mid	5200	23.65	23.65	11.00	11.00
High	5240	23.52	23.52	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	7.72	7.22	7.72	7.22	23.59	-16.37
			4	8.34	8.01	8.34	8.01	23.59	-15.58
			8	8.36	7.80	8.36	7.80	23.59	-15.79
		52T	37	9.52	10.47	9.52	10.47	23.59	-13.12
			38	9.79	10.65	9.79	10.65	23.59	-12.94
			40	10.02	10.61	10.02	10.61	23.59	-12.98
		106T	53	12.14	11.78	12.14	11.78	23.59	-11.81
			54	12.20	11.93	12.20	11.93	23.59	-11.66
		242T	61	13.35	13.97	13.35	13.97	23.59	-9.62
		SU	-	15.12	14.81	15.12	14.81	23.59	-8.78
Mid	5200	26T	0	8.03	7.40	8.03	7.40	23.65	-16.25
			4	8.26	7.76	8.26	7.76	23.65	-15.89
			8	8.04	7.52	8.04	7.52	23.65	-16.13
		52T	37	9.60	10.52	9.60	10.52	23.65	-13.13
			38	9.80	10.70	9.80	10.70	23.65	-12.95
			40	9.72	10.61	9.72	10.61	23.65	-13.04
		106T	53	12.13	11.75	12.13	11.75	23.65	-11.90
			54	12.22	11.89	12.22	11.89	23.65	-11.76
		242T	61	13.40	13.97	13.40	13.97	23.65	-9.68
		SU	-	15.16	14.77	15.16	14.77	23.65	-8.88
High	5240	26T	0	7.92	7.42	7.92	7.42	23.52	-16.10
			4	8.42	7.66	8.42	7.66	23.52	-15.86
			8	8.22	7.61	8.22	7.61	23.52	-15.91
		52T	37	9.76	10.53	9.76	10.53	23.52	-12.99
			38	9.92	10.72	9.92	10.72	23.52	-12.80
			40	9.82	10.61	9.82	10.61	23.52	-12.91
		106T	53	12.31	11.85	12.31	11.85	23.52	-11.67
			54	12.32	11.93	12.32	11.93	23.52	-11.59
		242T	61	13.44	13.99	13.44	13.99	23.52	-9.53
		SU	-	15.21	14.86	15.21	14.86	23.52	-8.66

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

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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	-4.22	-4.80	5.78	5.20	11.00	-5.80
			4	-4.07	-4.75	5.93	5.25	11.00	-5.75
			8	-3.99	-4.79	6.02	5.21	11.00	-5.79
		52T	37	-5.54	-4.95	4.46	5.05	11.00	-5.95
			38	-5.69	-4.96	4.31	5.04	11.00	-5.96
			40	-5.60	-5.06	4.40	4.94	11.00	-6.06
		106T	53	-6.03	-6.60	3.97	3.41	11.00	-7.60
			54	-6.01	-6.44	3.99	3.57	11.00	-7.44
		SU	-	-6.85	-7.00	3.15	3.01	11.00	-8.00
Mid	5200	26T	0	-4.13	-4.87	5.87	5.13	11.00	-5.87
			4	-3.87	-4.47	6.13	5.53	11.00	-5.47
			8	-4.24	-4.71	5.77	5.29	11.00	-5.71
		52T	37	-5.76	-5.10	4.24	4.90	11.00	-6.10
			38	-5.42	-4.95	4.58	5.05	11.00	-5.95
			40	-5.66	-4.94	4.34	5.07	11.00	-5.94
		106T	53	-6.16	-6.26	3.84	3.74	11.00	-7.26
			54	-6.03	-6.51	3.97	3.49	11.00	-7.51
		SU	-	-6.39	-6.98	3.61	3.02	11.00	-7.98
High	5240	26T	0	-4.34	-4.45	5.66	5.55	11.00	-5.45
			4	-4.11	-4.43	5.89	5.57	11.00	-5.43
			8	-4.14	-4.64	5.86	5.36	11.00	-5.64
		52T	37	-5.41	-4.60	4.59	5.40	11.00	-5.60
			38	-5.20	-4.72	4.80	5.28	11.00	-5.72
			40	-5.61	-5.04	4.39	4.96	11.00	-6.04
		106T	53	-6.09	-6.33	3.91	3.67	11.00	-7.33
			54	-6.02	-6.31	3.98	3.69	11.00	-7.31
		SU	-	-6.30	-6.94	3.70	3.06	11.00	-7.94

*** Calculation of PPSD result :**

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

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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	17.90	-3.22	-3.22
High	5230	18.53	-3.22	-3.22

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5190	23.53	23.53	11.00	11.00
High	5230	23.68	23.68	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	8.29	8.39	8.29	8.39	23.53	-15.14
			9	8.89	7.58	8.89	7.58	23.53	-15.95
			17	7.94	8.42	7.94	8.42	23.53	-15.11
		52T	37	9.54	10.02	9.54	10.02	23.53	-13.51
			41	10.32	10.67	10.32	10.67	23.53	-12.86
			44	9.50	9.89	9.50	9.89	23.53	-13.64
		106T	53	12.02	12.47	12.02	12.47	23.53	-11.06
			54	12.66	12.23	12.66	12.23	23.53	-11.30
			56	12.01	12.41	12.01	12.41	23.53	-11.12
		242T	61	13.32	12.83	13.32	12.83	23.53	-10.70
			62	13.18	13.76	13.18	13.76	23.53	-9.77
		484T	65	13.53	13.95	13.53	13.95	23.53	-9.58
		SU	-	13.56	13.97	13.56	13.97	23.53	-9.56
Mid	5230	26T	0	8.05	8.47	8.05	8.47	23.68	-15.21
			9	8.98	7.70	8.98	7.70	23.68	-15.98
			17	8.01	8.51	8.01	8.51	23.68	-15.17
		52T	37	9.56	9.89	9.56	9.89	23.68	-13.79
			41	10.41	10.71	10.41	10.71	23.68	-12.97
			44	9.58	10.02	9.58	10.02	23.68	-13.66
		106T	53	12.09	12.42	12.09	12.42	23.68	-11.26
			54	12.69	12.12	12.69	12.12	23.68	-11.56
			56	12.12	12.43	12.12	12.43	23.68	-11.25
		242T	61	13.33	12.72	13.33	12.72	23.68	-10.96
			62	13.27	13.80	13.27	13.80	23.68	-9.88
		484T	65	13.52	13.91	13.52	13.91	23.68	-9.77
		SU	-	13.58	13.94	13.58	13.94	23.68	-9.74

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

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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	-3.03	-3.74	6.97	6.27	11.00	-4.74
			9	-2.86	-5.30	7.14	4.70	11.00	-6.30
			17	-3.23	-3.70	6.77	6.30	11.00	-4.70
		52T	37	-4.63	-5.49	5.37	4.51	11.00	-6.49
			41	-4.10	-5.13	5.90	4.87	11.00	-6.13
			44	-4.53	-5.62	5.47	4.38	11.00	-6.62
		106T	53	-5.02	-6.12	4.98	3.88	11.00	-7.12
			54	-4.47	-6.60	5.53	3.40	11.00	-7.60
			56	-5.09	-6.08	4.91	3.92	11.00	-7.08
		242T	61	-7.09	-8.33	2.91	1.67	11.00	-9.33
			62	-7.50	-8.09	2.50	1.91	11.00	-9.09
		SU	-	-10.30	-10.68	-0.30	-0.68	11.00	-11.68
Mid	5230	26T	0	-2.84	-3.88	7.17	6.12	11.00	-4.88
			9	-2.76	-5.18	7.24	4.82	11.00	-6.18
			17	-3.20	-3.74	6.80	6.26	11.00	-4.74
		52T	37	-4.50	-5.29	5.50	4.71	11.00	-6.29
			41	-4.10	-4.71	5.90	5.30	11.00	-5.71
			44	-4.45	-5.05	5.55	4.95	11.00	-6.05
		106T	53	-5.09	-5.74	4.91	4.26	11.00	-6.74
			54	-4.57	-6.30	5.43	3.70	11.00	-7.30
			56	-4.89	-5.88	5.11	4.12	11.00	-6.88
		242T	61	-7.34	-9.11	2.66	0.89	11.00	-10.11
			62	-7.25	-7.86	2.75	2.15	11.00	-8.86
		SU	-	-9.96	-10.53	0.04	-0.53	11.00	-11.53

*** Calculation of PPSD result :**

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

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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	21.43	-3.22	-3.22

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	7.38	7.12	7.38	7.12	24.00	-16.88
			18	7.60	7.58	7.60	7.58	24.00	-16.42
			36	7.42	7.33	7.42	7.33	24.00	-16.67
		52T	37	10.48	10.23	10.48	10.23	24.00	-13.77
			45	10.93	10.50	10.93	10.50	24.00	-13.50
			52	10.43	10.10	10.43	10.10	24.00	-13.90
		106T	53	11.75	11.56	11.75	11.56	24.00	-12.44
			57	12.02	11.83	12.02	11.83	24.00	-12.17
			60	11.68	11.52	11.68	11.52	24.00	-12.48
		242T	61	12.05	11.85	12.05	11.85	24.00	-12.15
			62	12.37	12.23	12.37	12.23	24.00	-11.77
			64	12.04	11.71	12.04	11.71	24.00	-12.29
		484T	65	12.93	12.79	12.93	12.79	24.00	-11.21
			66	12.98	12.78	12.98	12.78	24.00	-11.22
		996T	67	13.02	12.80	13.02	12.80	24.00	-11.20
		SU	-	13.05	12.82	13.05	12.82	24.00	-11.18

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

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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	-5.87	-6.03	4.13	3.97	11.00	-7.03
			18	-5.43	-5.90	4.57	4.10	11.00	-6.90
			36	-5.45	-5.99	4.55	4.01	11.00	-6.99
		52T	37	-6.74	-7.20	3.26	2.80	11.00	-8.20
			45	-6.53	-7.08	3.47	2.92	11.00	-8.08
			52	-6.67	-7.28	3.33	2.72	11.00	-8.28
		106T	53	-7.07	-7.24	2.93	2.77	11.00	-8.24
			57	-6.63	-7.59	3.37	2.41	11.00	-8.59
			60	-6.85	-7.41	3.15	2.60	11.00	-8.41
		242T	61	-10.25	-10.41	-0.25	-0.41	11.00	-11.41
			62	-10.30	-10.31	-0.30	-0.31	11.00	-11.31
			64	-10.21	-10.63	-0.21	-0.63	11.00	-11.63
		484T	65	-11.80	-12.38	-1.80	-2.38	11.00	-13.38
			66	-11.71	-12.82	-1.71	-2.82	11.00	-13.82
		SU	-	-14.99	-15.81	-4.99	-5.81	11.00	-16.81

*** Calculation of PPSD result :**

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

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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	18.39	-3.35	-3.35
Mid	5300	18.25	-3.35	-3.35
High	5320	18.34	-3.35	-3.35

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5260	23.65	23.65	11.00	11.00
Mid	5300	23.61	23.61	11.00	11.00
High	5320	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	5260	26T	0	8.42	7.60	8.42	7.60	23.65	-16.05
			4	8.92	7.88	8.92	7.88	23.65	-15.77
			8	8.40	7.70	8.40	7.70	23.65	-15.95
		52T	37	10.03	10.48	10.03	10.48	23.65	-13.17
			38	10.05	10.63	10.05	10.63	23.65	-13.02
			40	9.83	10.56	9.83	10.56	23.65	-13.09
		106T	53	12.38	11.75	12.38	11.75	23.65	-11.90
			54	12.37	11.78	12.37	11.78	23.65	-11.87
		242T	61	13.48	13.83	13.48	13.83	23.65	-9.82
		SU	-	15.29	14.89	15.29	14.89	23.65	-8.76
Mid	5300	26T	0	8.71	7.66	8.71	7.66	23.61	-15.95
			4	8.92	8.11	8.92	8.11	23.61	-15.50
			8	8.70	7.89	8.70	7.89	23.61	-15.72
		52T	37	10.10	10.58	10.10	10.58	23.61	-13.03
			38	10.21	10.76	10.21	10.76	23.61	-12.85
			40	10.06	10.70	10.06	10.70	23.61	-12.91
		106T	53	12.54	11.74	12.54	11.74	23.61	-11.87
			54	12.53	11.77	12.53	11.77	23.61	-11.84
		242T	61	13.60	13.86	13.60	13.86	23.61	-9.75
		SU	-	15.38	14.91	15.38	14.91	23.61	-8.70
High	5320	26T	0	8.72	7.92	8.72	7.92	23.63	-15.71
			4	8.92	8.16	8.92	8.16	23.63	-15.47
			8	8.67	7.93	8.67	7.93	23.63	-15.70
		52T	37	10.11	10.58	10.11	10.58	23.63	-13.05
			38	10.28	10.68	10.28	10.68	23.63	-12.95
			40	10.06	10.57	10.06	10.57	23.63	-13.06
		106T	53	12.58	11.62	12.58	11.62	23.63	-12.01
			54	12.51	11.66	12.51	11.66	23.63	-11.97
		242T	61	13.66	13.79	13.66	13.79	23.63	-9.84
		SU	-	15.39	14.78	15.39	14.78	23.63	-8.85

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

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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	-3.76	-4.56	6.24	5.44	11.00	-5.56
			4	-3.53	-4.05	6.47	5.95	11.00	-5.05
			8	-3.63	-4.52	6.37	5.49	11.00	-5.52
		52T	37	-5.40	-4.84	4.60	5.16	11.00	-5.84
			38	-5.25	-4.61	4.76	5.39	11.00	-5.61
			40	-5.35	-4.84	4.65	5.16	11.00	-5.84
		106T	53	-5.79	-6.53	4.21	3.47	11.00	-7.53
			54	-5.74	-6.66	4.26	3.34	11.00	-7.66
		SU	-	-6.54	-6.89	3.47	3.12	11.00	-7.89
Mid	5300	26T	0	-3.74	-4.28	6.26	5.72	11.00	-5.28
			4	-3.00	-4.22	7.00	5.78	11.00	-5.22
			8	-3.13	-4.38	6.87	5.62	11.00	-5.38
		52T	37	-5.13	-4.73	4.87	5.27	11.00	-5.73
			38	-4.92	-4.53	5.09	5.47	11.00	-5.53
			40	-5.19	-4.85	4.81	5.15	11.00	-5.85
		106T	53	-5.81	-6.45	4.19	3.55	11.00	-7.45
			54	-5.90	-6.52	4.10	3.48	11.00	-7.52
		SU	-	-6.03	-6.81	3.97	3.19	11.00	-7.81
High	5320	26T	0	-3.41	-4.54	6.59	5.46	11.00	-5.54
			4	-2.85	-4.33	7.15	5.67	11.00	-5.33
			8	-3.43	-4.58	6.57	5.43	11.00	-5.58
		52T	37	-4.78	-4.73	5.22	5.27	11.00	-5.73
			38	-4.94	-4.75	5.06	5.26	11.00	-5.75
			40	-5.17	-4.73	4.83	5.28	11.00	-5.73
		106T	53	-5.45	-6.44	4.55	3.57	11.00	-7.44
			54	-5.66	-6.63	4.34	3.37	11.00	-7.63
		SU	-	-6.34	-6.85	3.67	3.15	11.00	-7.85

*** Calculation of PPSD result :**

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

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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	18.65	-3.35	-3.35
High	5310	17.53	-3.35	-3.35

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5270	23.71	23.71	11.00	11.00
High	5310	23.44	23.44	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	8.22	8.32	8.22	8.32	23.71	-15.39
			9	8.25	7.68	8.25	7.68	23.71	-16.03
			17	8.23	8.28	8.23	8.28	23.71	-15.43
		52T	37	9.80	9.90	9.80	9.90	23.71	-13.81
			41	10.64	10.59	10.64	10.59	23.71	-13.12
			44	9.78	9.78	9.78	9.78	23.71	-13.93
		106T	53	12.31	12.32	12.31	12.32	23.71	-11.39
			54	11.73	11.86	11.73	11.86	23.71	-11.85
			56	12.14	12.31	12.14	12.31	23.71	-11.40
		242T	61	13.41	13.61	13.41	13.61	23.71	-10.10
			62	13.39	13.50	13.39	13.50	23.71	-10.21
		484T	65	13.52	13.66	13.52	13.66	23.71	-10.05
		SU	-	13.56	13.68	13.56	13.68	23.71	-10.03
Mid	5310	26T	0	8.24	8.42	8.24	8.42	23.44	-15.02
			9	8.02	8.16	8.02	8.16	23.44	-15.28
			17	8.21	8.26	8.21	8.26	23.44	-15.18
		52T	37	10.12	9.98	10.12	9.98	23.44	-13.46
			41	10.81	10.67	10.81	10.67	23.44	-12.77
			44	9.81	9.72	9.81	9.72	23.44	-13.72
		106T	53	12.38	12.44	12.38	12.44	23.44	-11.00
			54	12.96	11.90	12.96	11.90	23.44	-11.54
			56	12.30	12.17	12.30	12.17	23.44	-11.27
		242T	61	13.56	13.61	13.56	13.61	23.44	-9.83
			62	13.52	13.45	13.52	13.45	23.44	-9.99
		484T	65	13.71	13.51	13.71	13.51	23.44	-9.93
		SU	-	13.73	13.55	13.73	13.55	23.44	-9.89

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

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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	-3.03	-3.81	6.97	6.19	11.00	-4.81
			9	-3.02	-4.80	6.99	5.20	11.00	-5.80
			17	-3.51	-4.06	6.49	5.94	11.00	-5.06
		52T	37	-4.44	-5.16	5.56	4.84	11.00	-6.16
			41	-4.05	-4.68	5.95	5.32	11.00	-5.68
			44	-4.73	-5.43	5.27	4.57	11.00	-6.43
		106T	53	-4.85	-5.91	5.15	4.10	11.00	-6.91
			54	-4.76	-6.39	5.24	3.61	11.00	-7.39
			56	-5.28	-5.85	4.72	4.15	11.00	-6.85
		242T	61	-7.43	-8.09	2.57	1.91	11.00	-9.09
			62	-7.26	-8.19	2.75	1.81	11.00	-9.19
		SU	-	-10.22	-11.06	-0.22	-1.06	11.00	-12.06
Mid	5310	26T	0	-3.14	-3.70	6.86	6.30	11.00	-4.70
			9	-3.58	-4.96	6.42	5.04	11.00	-5.96
			17	-3.26	-4.35	6.74	5.65	11.00	-5.35
		52T	37	-4.33	-5.20	5.67	4.80	11.00	-6.20
			41	-3.67	-5.01	6.33	4.99	11.00	-6.01
			44	-4.60	-5.55	5.40	4.45	11.00	-6.55
		106T	53	-5.12	-5.53	4.88	4.48	11.00	-6.53
			54	-4.72	-5.48	5.29	4.52	11.00	-6.48
			56	-4.81	-6.04	5.19	3.96	11.00	-7.04
		242T	61	-6.88	-7.90	3.12	2.10	11.00	-8.90
			62	-7.34	-8.00	2.66	2.00	11.00	-9.00
		SU	-	-10.30	-11.00	-0.30	-0.99	11.00	-12.00

*** Calculation of PPSD result :**

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

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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	19.92	-3.35	-3.35

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Mid	5290	23.99	23.99	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	7.76	7.29	7.76	7.29	23.99	-16.70
			18	8.08	7.76	8.08	7.76	23.99	-16.23
			36	8.02	7.13	8.02	7.13	23.99	-16.86
		52T	37	10.52	10.13	10.52	10.13	23.99	-13.86
			45	10.98	10.44	10.98	10.44	23.99	-13.55
			52	10.55	9.88	10.55	9.88	23.99	-14.11
		106T	53	11.78	11.27	11.78	11.27	23.99	-12.72
			57	12.16	11.62	12.16	11.62	23.99	-12.37
			60	11.77	11.23	11.77	11.23	23.99	-12.76
		242T	61	12.13	11.56	12.13	11.56	23.99	-12.43
			62	12.44	11.80	12.44	11.80	23.99	-12.19
			64	12.17	11.35	12.17	11.35	23.99	-12.64
		484T	65	12.91	12.63	12.91	12.63	23.99	-11.36
			66	12.99	12.58	12.99	12.58	23.99	-11.41
		996T	67	13.02	12.83	13.02	12.83	23.99	-11.16
		SU	-	13.07	12.86	13.07	12.86	23.99	-11.13

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

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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	-4.83	-6.28	5.17	3.72	11.00	-7.28
			18	-4.77	-5.68	5.23	4.32	11.00	-6.68
			36	-5.13	-5.88	4.87	4.12	11.00	-6.88
		52T	37	-5.22	-7.52	4.78	2.48	11.00	-8.52
			45	-5.09	-7.18	4.91	2.82	11.00	-8.18
			52	-5.30	-7.37	4.70	2.63	11.00	-8.37
		106T	53	-6.82	-7.48	3.18	2.52	11.00	-8.48
			57	-7.06	-7.54	2.94	2.47	11.00	-8.54
			60	-6.97	-7.76	3.03	2.25	11.00	-8.76
		242T	61	-9.93	-10.71	0.07	-0.71	11.00	-11.71
			62	-10.05	-10.42	-0.04	-0.42	11.00	-11.42
			64	-10.21	-10.74	-0.21	-0.74	11.00	-11.74
		484T	65	-11.65	-12.51	-1.65	-2.51	11.00	-13.51
			66	-11.71	-12.30	-1.71	-2.30	11.00	-13.30
		SU	-	-14.85	-15.32	-4.85	-5.32	11.00	-16.32

*** Calculation of PPSD result :**

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

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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	17.78	-3.56	-3.56
Mid	5580	18.05	-3.56	-3.56
High	5700	18.37	-3.56	-3.56
Straddle	5720	18.09	-3.56	-3.56

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5500	23.50	23.50	11.00	11.00
Mid	5580	23.56	23.56	11.00	11.00
High	5700	23.64	23.64	11.00	11.00
Straddle	5720	23.57	23.57	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	7.90	7.80	7.90	7.80	23.50	-15.70
			4	8.01	8.11	8.01	8.11	23.50	-15.39
			8	7.60	7.57	7.60	7.57	23.50	-15.93
		52T	37	10.56	10.60	10.56	10.60	23.50	-12.90
			38	10.63	10.62	10.63	10.62	23.50	-12.88
			40	10.33	10.47	10.33	10.47	23.50	-13.03
		106T	53	12.88	11.87	12.88	11.87	23.50	-11.63
			54	12.80	11.80	12.80	11.80	23.50	-11.70
		242T	61	13.76	13.76	13.76	13.76	23.50	-9.74
		SU	-	14.63	14.76	14.63	14.76	23.50	-8.74
Mid	5580	26T	0	7.96	7.91	7.96	7.91	23.56	-15.65
			4	8.35	7.96	8.35	7.96	23.56	-15.60
			8	7.82	7.84	7.82	7.84	23.56	-15.72
		52T	37	10.76	10.61	10.76	10.61	23.56	-12.95
			38	10.85	10.72	10.85	10.72	23.56	-12.84
			40	10.68	10.50	10.68	10.50	23.56	-13.06
		106T	53	12.01	11.86	12.01	11.86	23.56	-11.70
			54	11.93	11.75	11.93	11.75	23.56	-11.81
		242T	61	13.96	13.82	13.96	13.82	23.56	-9.74
		SU	-	14.84	14.86	14.84	14.86	23.56	-8.70
High	5700	26T	0	8.07	7.70	8.07	7.70	23.64	-15.94
			4	8.43	7.78	8.43	7.78	23.64	-15.86
			8	7.92	7.55	7.92	7.55	23.64	-16.09
		52T	37	10.74	10.40	10.74	10.40	23.64	-13.24
			38	10.88	10.56	10.88	10.56	23.64	-13.08
			40	10.71	10.34	10.71	10.34	23.64	-13.30
		106T	53	12.01	11.71	12.01	11.71	23.64	-11.93
			54	12.00	11.66	12.00	11.66	23.64	-11.98
		242T	61	13.93	13.62	13.93	13.62	23.64	-10.02
		SU	-	14.85	14.66	14.85	14.66	23.64	-8.98

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Straddle	5720	26T	0	7.89	7.56	7.89	7.56	23.57	-16.01
			4	8.16	7.95	8.16	7.95	23.57	-15.62
		52T	37	10.62	10.31	10.62	10.31	23.57	-13.26
			38	10.72	10.49	10.72	10.49	23.57	-13.08
		106T	53	11.96	11.61	11.96	11.61	23.57	-11.96

*** 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	5500	26T	0	-4.06	-4.28	5.94	5.72	11.00	-5.28
			4	-3.69	-4.22	6.31	5.78	11.00	-5.22
			8	-4.44	-4.40	5.56	5.60	11.00	-5.40
		52T	37	-4.80	-4.65	5.20	5.35	11.00	-5.65
			38	-4.46	-4.54	5.54	5.46	11.00	-5.54
			40	-5.01	-4.44	4.99	5.56	11.00	-5.44
		106T	53	-6.48	-6.43	3.52	3.57	11.00	-7.43
			54	-6.60	-6.23	3.40	3.77	11.00	-7.23
		SU	-	-7.05	-6.87	2.95	3.13	11.00	-7.87
Mid	5580	26T	0	-3.86	-4.35	6.15	5.65	11.00	-5.35
			4	-3.57	-4.35	6.43	5.66	11.00	-5.35
			8	-4.17	-4.44	5.84	5.56	11.00	-5.44
		52T	37	-4.40	-4.68	5.60	5.32	11.00	-5.68
			38	-4.26	-4.52	5.74	5.48	11.00	-5.52
			40	-4.26	-4.70	5.74	5.30	11.00	-5.70
		106T	53	-5.87	-6.19	4.13	3.81	11.00	-7.19
			54	-6.16	-6.23	3.84	3.77	11.00	-7.23
		SU	-	-6.79	-6.73	3.21	3.27	11.00	-7.73
High	5700	26T	0	-4.04	-4.27	5.96	5.73	11.00	-5.27
			4	-3.23	-4.23	6.77	5.77	11.00	-5.23
			8	-3.95	-4.45	6.05	5.55	11.00	-5.45
		52T	37	-4.43	-4.59	5.57	5.41	11.00	-5.59
			38	-3.98	-4.48	6.02	5.52	11.00	-5.48
			40	-4.37	-4.85	5.63	5.15	11.00	-5.85
		106T	53	-6.05	-6.43	3.95	3.57	11.00	-7.43
			54	-6.00	-6.29	4.00	3.71	11.00	-7.29
		SU	-	-6.49	-6.54	3.52	3.46	11.00	-7.54
Straddle	5720	26T	0	-4.09	-4.40	5.91	5.60	11.00	-5.40
			4	-3.57	-4.18	6.43	5.82	11.00	-5.18
		52T	37	-4.31	-4.55	5.69	5.45	11.00	-5.55
			38	-4.68	-4.80	5.32	5.20	11.00	-5.80
		106T	53	-6.47	-6.66	3.53	3.34	11.00	-7.66

*** Calculation of PPSD result :**

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

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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	17.76	-3.56	-3.56
Mid	5590	17.17	-3.56	-3.56
High	5670	18.87	-3.56	-3.56
Straddle	5710	17.19	-3.56	-3.56

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5510	23.49	23.49	11.00	11.00
Mid	5590	23.35	23.35	11.00	11.00
High	5670	23.76	23.76	11.00	11.00
Straddle	5710	23.35	23.35	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	8.92	8.44	8.92	8.44	23.49	-15.05
			9	8.48	7.90	8.48	7.90	23.49	-15.59
			17	8.77	8.40	8.77	8.40	23.49	-15.09
		52T	37	10.24	9.90	10.24	9.90	23.49	-13.59
			41	9.96	10.78	9.96	10.78	23.49	-12.71
			44	10.33	9.93	10.33	9.93	23.49	-13.56
		106T	53	12.52	12.48	12.52	12.48	23.49	-11.01
			54	12.16	11.90	12.16	11.90	23.49	-11.59
			56	12.52	12.49	12.52	12.49	23.49	-11.00
		242T	61	13.70	13.63	13.70	13.63	23.49	-9.86
			62	13.83	13.71	13.83	13.71	23.49	-9.78
		484T	65	13.84	13.71	13.84	13.71	23.49	-9.78
		SU	-	13.87	13.74	13.87	13.74	23.49	-9.75
Mid	5590	26T	0	8.04	8.53	8.04	8.53	23.35	-14.82
			9	8.97	7.88	8.97	7.88	23.35	-15.47
			17	7.84	8.32	7.84	8.32	23.35	-15.03
		52T	37	10.58	9.84	10.58	9.84	23.35	-13.51
			41	10.19	10.75	10.19	10.75	23.35	-12.60
			44	10.46	9.82	10.46	9.82	23.35	-13.53
		106T	53	12.78	12.45	12.78	12.45	23.35	-10.90
			54	12.35	11.86	12.35	11.86	23.35	-11.49
			56	11.89	12.34	11.89	12.34	23.35	-11.01
		242T	61	13.86	13.54	13.86	13.54	23.35	-9.81
			62	13.92	13.60	13.92	13.60	23.35	-9.75
		484T	65	13.98	13.65	13.98	13.65	23.35	-9.70
		SU	-	14.01	13.70	14.01	13.70	23.35	-9.65

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High	5670	26T	0	7.92	8.57	7.92	8.57	23.76	-15.19
			9	8.90	7.81	8.90	7.81	23.76	-15.95
			17	7.76	8.33	7.76	8.33	23.76	-15.43
		52T	37	10.87	9.87	10.87	9.87	23.76	-13.89
			41	10.45	10.56	10.45	10.56	23.76	-13.20
			44	10.68	9.68	10.68	9.68	23.76	-14.08
		106T	53	12.20	12.45	12.20	12.45	23.76	-11.31
			54	12.64	11.83	12.64	11.83	23.76	-11.93
			56	12.07	12.28	12.07	12.28	23.76	-11.48
		242T	61	13.30	13.58	13.30	13.58	23.76	-10.18
			62	13.28	13.44	13.28	13.44	23.76	-10.32
		484T	65	14.25	13.56	14.25	13.56	23.76	-10.20
		SU	-	14.29	13.59	14.29	13.59	23.76	-10.17
Straddle	5710	26T	0	8.15	8.31	8.15	8.31	23.35	-15.04
			9	8.96	7.68	8.96	7.68	23.35	-15.67
		52T	37	10.97	9.88	10.97	9.88	23.35	-13.47
			41	10.42	10.60	10.42	10.60	23.35	-12.75
		106T	53	12.26	12.33	12.26	12.33	23.35	-11.02
			54	12.79	11.78	12.79	11.78	23.35	-11.57
		242T	61	13.35	13.45	13.35	13.45	23.35	-9.90

*** 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	-2.39	-3.02	7.61	6.98	11.00	-4.02
			9	-2.77	-4.02	7.23	5.99	11.00	-5.02
			17	-2.60	-3.33	7.40	6.67	11.00	-4.33
		52T	37	-3.98	-4.83	6.02	5.17	11.00	-5.83
			41	-3.94	-4.28	6.06	5.72	11.00	-5.28
			44	-4.42	-4.90	5.58	5.10	11.00	-5.90
		106T	53	-4.98	-5.52	5.02	4.49	11.00	-6.52
			54	-5.26	-6.11	4.74	3.90	11.00	-7.11
			56	-4.86	-5.33	5.14	4.67	11.00	-6.33
		242T	61	-7.16	-7.46	2.84	2.54	11.00	-8.46
			62	-6.93	-7.48	3.07	2.52	11.00	-8.48
		SU	-	-9.74	-10.69	0.26	-0.69	11.00	-11.69
Mid	5590	26T	0	-3.66	-2.92	6.34	7.08	11.00	-3.92
			9	-3.12	-4.09	6.88	5.92	11.00	-5.09
			17	-3.68	-3.21	6.32	6.79	11.00	-4.21
		52T	37	-3.71	-4.53	6.29	5.47	11.00	-5.53
			41	-4.12	-4.38	5.88	5.62	11.00	-5.38
			44	-3.82	-4.78	6.18	5.22	11.00	-5.78
		106T	53	-4.46	-5.15	5.54	4.85	11.00	-6.15
			54	-5.15	-6.08	4.85	3.92	11.00	-7.08
			56	-5.52	-5.19	4.48	4.81	11.00	-6.19
		242T	61	-6.55	-7.72	3.45	2.28	11.00	-8.72
			62	-6.87	-7.61	3.14	2.39	11.00	-8.61
		SU	-	-9.86	-10.30	0.14	-0.30	11.00	-11.30

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High	5670	26T	0	-3.23	-2.81	6.77	7.20	11.00	-3.81
			9	-2.98	-4.19	7.02	5.81	11.00	-5.19
			17	-3.65	-3.28	6.35	6.72	11.00	-4.28
		52T	37	-3.58	-4.83	6.42	5.17	11.00	-5.83
			41	-4.20	-4.30	5.80	5.70	11.00	-5.30
			44	-3.40	-4.56	6.60	5.44	11.00	-5.56
		106T	53	-5.24	-5.33	4.76	4.67	11.00	-6.33
			54	-5.07	-5.93	4.94	4.07	11.00	-6.93
			56	-5.09	-5.45	4.91	4.55	11.00	-6.45
		242T	61	-7.56	-7.51	2.44	2.49	11.00	-8.51
			62	-7.68	-7.43	2.32	2.57	11.00	-8.43
		SU	-	-9.60	-10.44	0.40	-0.44	11.00	-11.44
Straddle	5710	26T	0	-3.62	-3.00	6.38	7.00	11.00	-4.00
			9	-2.77	-4.07	7.23	5.93	11.00	-5.07
		52T	37	-3.43	-5.12	6.57	4.88	11.00	-6.12
			41	-4.26	-4.33	5.74	5.67	11.00	-5.33
		106T	53	-5.22	-5.38	4.78	4.63	11.00	-6.38
			54	-5.05	-6.03	4.95	3.97	11.00	-7.03
		242T	61	-7.24	-7.17	2.76	2.83	11.00	-8.17

*** Calculation of PPSD result :**

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

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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	18.38	-3.56	-3.56
High	5610	17.42	-3.56	-3.56
Straddle	5690	21.30	-3.56	-3.56

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5530	23.64	23.64	11.00	11.00
High	5610	23.41	23.41	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	8.32	7.38	8.32	7.38	23.64	-16.26
			18	8.64	7.66	8.64	7.66	23.64	-15.98
			36	8.37	6.88	8.37	6.88	23.64	-16.76
		52T	37	10.96	10.07	10.96	10.07	23.64	-13.57
			45	10.23	10.45	10.23	10.45	23.64	-13.19
			52	10.84	9.90	10.84	9.90	23.64	-13.74
		106T	53	12.15	11.38	12.15	11.38	23.64	-12.26
			57	11.40	11.75	11.40	11.75	23.64	-11.89
			60	12.09	11.37	12.09	11.37	23.64	-12.27
		242T	61	12.51	11.74	12.51	11.74	23.64	-11.90
			62	12.71	11.97	12.71	11.97	23.64	-11.67
			64	12.55	11.75	12.55	11.75	23.64	-11.89
		484T	65	13.21	12.79	13.21	12.79	23.64	-10.85
			66	13.24	12.81	13.24	12.81	23.64	-10.83
		996T	67	13.30	12.85	13.30	12.85	23.64	-10.79
		SU	-	13.33	12.88	13.33	12.88	23.64	-10.76
High	5610	26T	0	8.19	7.37	8.19	7.37	23.41	-16.04
			18	8.36	7.52	8.36	7.52	23.41	-15.89
			36	7.89	6.70	7.89	6.70	23.41	-16.71
		52T	37	10.94	10.19	10.94	10.19	23.41	-13.22
			45	10.17	10.43	10.17	10.43	23.41	-12.98
			52	10.77	9.87	10.77	9.87	23.41	-13.54
		106T	53	12.22	11.51	12.22	11.51	23.41	-11.90
			57	11.44	11.73	11.44	11.73	23.41	-11.68
			60	12.02	11.31	12.02	11.31	23.41	-12.10
		242T	61	12.53	11.75	12.53	11.75	23.41	-11.66
			62	12.70	11.96	12.70	11.96	23.41	-11.45
			64	12.48	11.70	12.48	11.70	23.41	-11.71
		484T	65	13.16	12.70	13.16	12.70	23.41	-10.71
			66	13.13	12.73	13.13	12.73	23.41	-10.68
		996T	67	13.29	12.75	13.29	12.75	23.41	-10.66
		SU	-	13.33	12.78	13.33	12.78	23.41	-10.63

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Straddle	5690	26T	0	8.21	7.20	8.21	7.20	24.00	-16.80
			18	8.40	7.32	8.40	7.32	24.00	-16.68
		52T	37	10.96	10.10	10.96	10.10	24.00	-13.90
			45	10.03	10.32	10.03	10.32	24.00	-13.68
		106T	53	12.21	11.49	12.21	11.49	24.00	-12.51
			57	11.32	11.63	11.32	11.63	24.00	-12.37
		242T	61	12.53	11.75	12.53	11.75	24.00	-12.25
			62	12.68	11.85	12.68	11.85	24.00	-12.15
		484T	65	13.22	12.76	13.22	12.76	24.00	-11.24

*** 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	5530	26T	0	-4.28	-5.76	5.72	4.24	11.00	-6.76
			18	-4.08	-5.61	5.92	4.39	11.00	-6.61
			36	-4.30	-5.80	5.70	4.20	11.00	-6.80
		52T	37	-5.37	-7.04	4.63	2.97	11.00	-8.04
			45	-5.49	-7.13	4.51	2.87	11.00	-8.13
			52	-5.57	-7.04	4.43	2.96	11.00	-8.04
		106T	53	-6.24	-7.27	3.77	2.74	11.00	-8.27
			57	-6.18	-7.32	3.82	2.68	11.00	-8.32
			60	-6.00	-7.29	4.01	2.71	11.00	-8.29
		242T	61	-9.41	-10.54	0.59	-0.54	11.00	-11.54
			62	-9.41	-10.44	0.59	-0.44	11.00	-11.44
			64	-9.17	-10.74	0.84	-0.74	11.00	-11.74
		484T	65	-11.51	-12.28	-1.51	-2.28	11.00	-13.28
			66	-11.24	-12.47	-1.24	-2.47	11.00	-13.47
		SU	-	-14.23	-15.17	-4.23	-5.17	11.00	-16.17
High	5610	26T	0	-3.93	-5.85	6.07	4.15	11.00	-6.85
			18	-3.84	-5.65	6.16	4.36	11.00	-6.65
			36	-4.05	-6.63	5.95	3.37	11.00	-7.63
		52T	37	-5.47	-6.98	4.53	3.02	11.00	-7.98
			45	-5.45	-6.99	4.55	3.01	11.00	-7.99
			52	-5.70	-7.55	4.30	2.45	11.00	-8.55
		106T	53	-5.73	-7.46	4.27	2.54	11.00	-8.46
			57	-6.31	-7.87	3.69	2.13	11.00	-8.87
			60	-6.24	-8.04	3.76	1.96	11.00	-9.04
		242T	61	-9.03	-10.89	0.97	-0.89	11.00	-11.89
			62	-9.04	-10.77	0.96	-0.77	11.00	-11.77
			64	-9.47	-11.05	0.53	-1.05	11.00	-12.05
		484T	65	-11.26	-12.65	-1.26	-2.65	11.00	-13.65
			66	-11.24	-12.79	-1.24	-2.79	11.00	-13.79
		SU	-	-14.31	-15.72	-4.31	-5.72	11.00	-16.72
Straddle	5690	26T	0	-3.69	-6.00	6.31	4.01	11.00	-7.00
			18	-3.66	-5.36	6.34	4.64	11.00	-6.36
		52T	37	-5.58	-7.41	4.42	2.59	11.00	-8.41
			45	-5.43	-7.05	4.57	2.95	11.00	-8.05
		106T	53	-5.91	-7.92	4.09	2.08	11.00	-8.92
			57	-6.05	-7.84	3.95	2.16	11.00	-8.84
		242T	61	-9.12	-10.90	0.88	-0.90	11.00	-11.90
			62	-9.41	-10.84	0.59	-0.84	11.00	-11.84
		484T	65	-11.76	-12.99	-1.76	-2.99	11.00	-13.99

*** Calculation of PPSD result :**

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

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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	-3.20	-3.20
Low	5745	-3.20	-3.20
Mid	5785	-3.20	-3.20
High	5825	-3.20	-3.20

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	7.81	7.67	7.81	7.67	30.00	-22.33
		52T	40	10.59	10.33	10.59	10.33	30.00	-19.67
Low	5745	26T	0	7.78	7.70	7.78	7.70	30.00	-22.30
			4	7.88	8.00	7.88	8.00	30.00	-22.00
			8	7.61	7.67	7.61	7.67	30.00	-22.33
		52T	37	10.75	10.76	10.75	10.76	30.00	-19.24
			38	10.79	10.78	10.79	10.78	30.00	-19.22
			40	10.52	10.53	10.52	10.53	30.00	-19.47
		106T	53	11.94	11.62	11.94	11.62	30.00	-18.38
			54	11.78	11.64	11.78	11.64	30.00	-18.36
		242T	61	13.80	13.78	13.80	13.78	30.00	-16.22
		SU	-	14.71	14.66	14.71	14.66	30.00	-15.34
Mid	5785	26T	0	7.52	7.76	7.52	7.76	30.00	-22.24
			4	7.90	7.92	7.90	7.92	30.00	-22.08
			8	7.40	7.63	7.40	7.63	30.00	-22.37
		52T	37	10.40	10.62	10.40	10.62	30.00	-19.38
			38	10.62	10.81	10.62	10.81	30.00	-19.19
			40	10.38	10.62	10.38	10.62	30.00	-19.38
		106T	53	11.76	11.72	11.76	11.72	30.00	-18.28
			54	11.73	11.64	11.73	11.64	30.00	-18.36
		242T	61	13.68	13.80	13.68	13.80	30.00	-16.20
		SU	-	14.60	14.68	14.60	14.68	30.00	-15.32
High	5825	26T	0	7.40	7.71	7.40	7.71	30.00	-22.29
			4	7.72	7.94	7.72	7.94	30.00	-22.06
			8	7.36	7.51	7.36	7.51	30.00	-22.49
		52T	37	10.24	10.45	10.24	10.45	30.00	-19.55
			38	10.50	10.73	10.50	10.73	30.00	-19.27
			40	10.30	10.51	10.30	10.51	30.00	-19.49
		106T	53	11.50	11.61	11.50	11.61	30.00	-18.39
			54	11.61	11.64	11.61	11.64	30.00	-18.36
		242T	61	13.48	13.70	13.48	13.70	30.00	-16.30
		SU	-	14.46	14.57	14.46	14.57	30.00	-15.43

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

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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	-3.88	-4.37	3.11	2.62	30.00	-27.38
		52T	40	-4.37	-4.75	2.62	2.24	30.00	-27.76
Low	5745	26T	0	-4.29	-4.61	2.70	2.38	30.00	-27.62
			4	-4.13	-4.43	2.86	2.56	30.00	-27.44
			8	-4.32	-4.56	2.67	2.43	30.00	-27.57
		52T	37	-4.65	-4.68	2.34	2.31	30.00	-27.69
			38	-4.64	-4.65	2.35	2.34	30.00	-27.66
			40	-4.92	-4.92	2.07	2.07	30.00	-27.93
		106T	53	-6.50	-6.38	0.49	0.61	30.00	-29.39
			54	-6.25	-6.56	0.75	0.43	30.00	-29.57
		SU	-	-7.15	-7.10	-0.16	-0.11	30.00	-30.11
Mid	5785	26T	0	-4.98	-4.69	2.01	2.30	30.00	-27.70
			4	-4.64	-4.68	2.35	2.31	30.00	-27.69
			8	-4.75	-4.70	2.24	2.29	30.00	-27.71
		52T	37	-5.06	-4.74	1.93	2.25	30.00	-27.75
			38	-5.04	-4.74	1.95	2.25	30.00	-27.75
			40	-5.12	-4.71	1.87	2.28	30.00	-27.72
		106T	53	-6.77	-6.55	0.22	0.44	30.00	-29.56
			54	-6.91	-6.57	0.08	0.43	30.00	-29.58
		SU	-	-7.16	-7.29	-0.17	-0.30	30.00	-30.30
High	5825	26T	0	-5.05	-5.00	1.94	1.99	30.00	-28.01
			4	-4.84	-4.58	2.15	2.41	30.00	-27.59
			8	-4.94	-4.84	2.05	2.15	30.00	-27.85
		52T	37	-5.43	-5.12	1.56	1.87	30.00	-28.13
			38	-5.29	-5.03	1.70	1.96	30.00	-28.04
			40	-5.59	-5.08	1.41	1.91	30.00	-28.09
		106T	53	-7.16	-6.84	-0.17	0.15	30.00	-29.85
			54	-7.10	-6.72	-0.11	0.27	30.00	-29.73
		SU	-	-7.74	-7.51	-0.75	-0.52	30.00	-30.52

*** Calculation of PPSD result :**

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

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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	-3.20	-3.20
Low	5755	-3.20	-3.20
High	5795	-3.20	-3.20

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	7.95	8.30	7.95	8.30	30.00	-21.70
		52T	44	10.84	9.76	10.84	9.76	30.00	-20.24
Low	5755	26T	0	7.67	8.83	7.67	8.83	30.00	-21.17
			9	8.55	7.89	8.55	7.89	30.00	-22.11
			17	7.66	8.80	7.66	8.80	30.00	-21.20
		52T	37	10.98	10.17	10.98	10.17	30.00	-19.83
			41	10.60	10.98	10.60	10.98	30.00	-19.02
			44	10.97	10.13	10.97	10.13	30.00	-19.87
		106T	53	12.29	12.35	12.29	12.35	30.00	-17.65
			54	12.84	11.90	12.84	11.90	30.00	-18.10
			56	12.32	12.33	12.32	12.33	30.00	-17.67
		242T	61	13.39	13.66	13.39	13.66	30.00	-16.34
			62	13.37	12.75	13.37	12.75	30.00	-17.25
		484T	65	13.48	13.76	13.48	13.76	30.00	-16.24
		SU	-	14.42	13.81	14.42	13.81	30.00	-16.19
High	5795	26T	0	7.20	8.31	7.20	8.31	30.00	-21.69
			9	8.61	8.22	8.61	8.22	30.00	-21.78
			17	7.14	8.35	7.14	8.35	30.00	-21.65
		52T	37	10.51	9.75	10.51	9.75	30.00	-20.25
			41	10.71	10.98	10.71	10.98	30.00	-19.02
			44	10.55	9.72	10.55	9.72	30.00	-20.28
		106T	53	12.01	11.99	12.01	11.99	30.00	-18.01
			54	12.82	11.90	12.82	11.90	30.00	-18.10
			56	12.03	12.06	12.03	12.06	30.00	-17.94
		242T	61	13.29	13.57	13.29	13.57	30.00	-16.43
			62	13.32	13.60	13.32	13.60	30.00	-16.40
		484T	65	13.37	13.68	13.37	13.68	30.00	-16.32
		SU	-	14.31	13.71	14.31	13.71	30.00	-16.29

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

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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	-3.36	-3.22	3.63	3.78	30.00	-26.23
		52T	44	-3.70	-4.89	3.29	2.10	30.00	-27.90
Low	5755	26T	0	-3.98	-2.83	3.01	4.16	30.00	-25.84
			9	-3.70	-3.90	3.29	3.09	30.00	-26.91
			17	-4.22	-2.91	2.78	4.08	30.00	-25.92
		52T	37	-3.94	-4.72	3.05	2.27	30.00	-27.73
			41	-3.92	-4.21	3.07	2.78	30.00	-27.22
			44	-4.01	-4.89	2.98	2.10	30.00	-27.90
		106T	53	-5.34	-5.59	1.66	1.40	30.00	-28.60
			54	-5.17	-6.12	1.82	0.88	30.00	-29.13
			56	-5.39	-5.78	1.60	1.21	30.00	-28.79
		242T	61	-7.87	-7.64	-0.88	-0.65	30.00	-30.65
			62	-7.86	-7.62	-0.87	-0.63	30.00	-30.63
		SU	-	-9.89	-10.62	-2.90	-3.63	30.00	-33.63
High	5795	26T	0	-4.64	-3.47	2.35	3.52	30.00	-26.48
			9	-3.14	-4.23	3.85	2.76	30.00	-27.24
			17	-5.11	-3.44	1.88	3.55	30.00	-26.45
		52T	37	-4.29	-5.44	2.70	1.55	30.00	-28.45
			41	-4.50	-4.36	2.49	2.63	30.00	-27.37
			44	-4.80	-5.26	2.19	1.73	30.00	-28.27
		106T	53	-5.65	-5.90	1.34	1.09	30.00	-28.91
			54	-5.52	-6.35	1.47	0.64	30.00	-29.36
			56	-6.26	-5.94	0.73	1.05	30.00	-28.95
		242T	61	-8.30	-7.82	-1.31	-0.83	30.00	-30.83
			62	-8.30	-7.50	-1.31	-0.51	30.00	-30.51
		SU	-	-10.22	-10.39	-3.23	-3.40	30.00	-33.40

*** Calculation of PPSD result :**

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

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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 PPSD [dBi]
Straddle	5690	-3.20	-3.20
Mid	5775	-3.20	-3.20

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	0.00	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	7.96	7.11	7.96	7.11	30.00	-22.89
		52T	52	10.71	9.84	10.71	9.84	30.00	-20.16
Mid	5775	26T	0	7.78	7.15	7.78	7.15	30.00	-22.85
			18	7.90	7.42	7.90	7.42	30.00	-22.58
			36	7.60	7.37	7.60	7.37	30.00	-22.63
		52T	37	10.70	10.26	10.70	10.26	30.00	-19.74
			45	9.89	10.68	9.89	10.68	30.00	-19.32
			52	10.61	10.28	10.61	10.28	30.00	-19.72
		106T	53	11.95	11.36	11.95	11.36	30.00	-18.64
			57	11.13	11.68	11.13	11.68	30.00	-18.32
			60	11.88	11.36	11.88	11.36	30.00	-18.64
		242T	61	12.28	11.65	12.28	11.65	30.00	-18.35
			62	12.51	11.90	12.51	11.90	30.00	-18.10
			64	12.21	11.72	12.21	11.72	30.00	-18.28
		484T	65	12.96	12.36	12.96	12.36	30.00	-17.64
			66	12.97	12.46	12.97	12.46	30.00	-17.54
		996T	67	13.10	12.50	13.10	12.50	30.00	-17.50
		SU	-	13.12	12.56	13.12	12.56	30.00	-17.44

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

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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	-4.15	-5.67	2.84	1.32	30.00	-28.68
		52T	52	-5.70	-7.42	1.29	-0.43	30.00	-30.43
Mid	5775	26T	0	-4.42	-6.06	2.57	0.93	30.00	-29.07
			18	-4.31	-5.66	2.68	1.33	30.00	-28.67
			36	-4.32	-5.91	2.68	1.08	30.00	-28.92
		52T	37	-5.48	-6.92	1.51	0.07	30.00	-29.93
			45	-5.31	-6.63	1.68	0.36	30.00	-29.64
			52	-5.79	-7.06	1.20	-0.07	30.00	-30.07
		106T	53	-6.01	-7.37	0.98	-0.38	30.00	-30.38
			57	-6.10	-7.64	0.89	-0.65	30.00	-30.65
			60	-6.47	-7.65	0.53	-0.66	30.00	-30.66
		242T	61	-9.68	-10.86	-2.69	-3.87	30.00	-33.87
			62	-9.23	-10.56	-2.24	-3.57	30.00	-33.57
			64	-9.74	-10.72	-2.75	-3.73	30.00	-33.73
		484T	65	-11.24	-12.63	-4.25	-5.64	30.00	-35.64
			66	-11.37	-12.50	-4.38	-5.51	30.00	-35.51
		SU	-	-14.19	-15.93	-7.20	-8.94	30.00	-38.94

*** Calculation of PPSD result :**

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

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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	15.15	-3.56	-3.56
UNII-3		5.52	-3.20	-3.20

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5720	22.80	22.80	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 [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]
UNII-2C	5720	106T	54	8.25	8.15	8.25	8.15	22.80	-14.65
		SU	-	13.32	13.16	13.32	13.16	22.80	-9.64
UNII-3		106T	54	8.86	8.79	8.86	8.79	30.00	-21.22
		SU	-	8.16	8.01	8.16	8.01	30.00	-21.99

*** 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 [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]	PPSD Limit [dBm/MHz]	PPSD Margin [dB]
UNII-2C	5720	106T	54	-6.99	-7.73	3.01	2.27	11.00	-8.73
		SU	-	-7.66	-9.22	2.34	0.78	11.00	-10.22
UNII-3*		106T	54	-7.24	-7.91	-0.25	-0.92	30.00	-30.92
		SU	-	-8.17	-9.57	-1.18	-2.58	30.00	-32.58

* 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]

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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	19.48	-3.56	-3.56
UNII-3		4.70	-3.20	-3.20

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5710	23.90	23.90	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 [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]
UNII-2C	5710	106T	56	9.53	9.20	9.53	9.20	23.90	-14.69
		242T	62	12.12	11.99	12.12	11.99	23.90	-11.91
		SU	-	13.62	12.92	13.62	12.92	23.90	-10.98
UNII-3		106T	56	8.70	8.34	8.70	8.34	30.00	-21.66
		242T	62	5.76	5.61	5.76	5.61	30.00	-24.39
		SU	-	3.76	3.15	3.76	3.15	30.00	-26.85

*** 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 [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]	PPSD Limit [dBm/MHz]	PPSD Margin [dB]
UNII-2C	5710	106T	56	-6.36	-5.98	3.64	4.02	11.00	-6.98
		242T	62	-8.41	-8.49	1.59	1.51	11.00	-9.49
		SU	-	-10.81	-11.60	-0.81	-1.60	11.00	-12.60
UNII-3*		106T	56	-6.76	-6.56	0.23	0.43	30.00	-29.57
		242T	62	-8.83	-9.25	-1.84	-2.26	30.00	-32.26
		SU	-	-11.60	-12.17	-4.61	-5.18	30.00	-35.18

* 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]

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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	23.36	-3.56	-3.56
UNII-3		5.38	-3.20	-3.20

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 [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]
UNII-2C	5690	106T	60	9.11	8.21	9.11	8.21	24.00	-15.79
		242T	64	11.10	10.32	11.10	10.32	24.00	-13.68
		484T	66	12.45	11.95	12.45	11.95	24.00	-12.05
		SU	-	12.59	12.47	12.59	12.47	24.00	-11.53
UNII-3		106T	60	8.37	7.49	8.37	7.49	30.00	-22.51
		242T	64	4.72	4.00	4.72	4.00	30.00	-26.00
		484T	66	2.16	1.55	2.16	1.55	30.00	-28.45
		SU	-	-1.23	-1.49	-1.23	-1.49	30.00	-31.49

*** 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 [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]	PPSD Limit [dBm/MHz]	PPSD Margin [dB]
UNII-2C	5690	106T	60	-6.58	-7.37	3.43	2.63	11.00	-8.37
		242T	64	-9.52	-10.57	0.48	-0.57	11.00	-11.57
		484T	66	-11.30	-12.07	-1.30	-2.07	11.00	-13.07
		SU	-	-14.63	-15.23	-4.63	-5.23	11.00	-16.23
UNII-3*		106T	60	-6.64	-7.59	0.35	-0.60	30.00	-30.60
		242T	64	-10.19	-11.37	-3.20	-4.38	30.00	-34.38
		484T	66	-13.01	-13.86	-6.02	-6.87	30.00	-36.87
		SU	-	-16.22	-17.02	-9.23	-10.03	30.00	-40.03

* 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]

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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	18.16	-3.22	-3.22
Mid	5200	18.41	-3.22	-3.22
High	5240	17.87	-3.22	-3.22

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5180	23.59	23.59	11.00	11.00
Mid	5200	23.65	23.65	11.00	11.00
High	5240	23.52	23.52	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	5.68	4.90	8.32	23.59	-15.27
			4	5.80	5.43	8.63	23.59	-14.96
			8	5.58	5.19	8.40	23.59	-15.19
		52T	37	7.63	7.08	10.37	23.59	-13.22
			38	7.70	7.22	10.48	23.59	-13.11
			40	7.68	7.50	10.60	23.59	-12.99
		106T	53	9.70	9.24	12.49	23.59	-11.10
			54	9.73	9.35	12.55	23.59	-11.04
		242T	61	11.18	10.54	13.88	23.59	-9.71
		SU	-	15.12	14.69	17.92	23.59	-5.67
Mid	5200	26T	0	5.43	5.13	8.29	23.65	-15.36
			4	5.68	5.42	8.56	23.65	-15.09
			8	5.36	5.11	8.25	23.65	-15.40
		52T	37	7.62	7.22	10.43	23.65	-13.22
			38	7.81	7.09	10.48	23.65	-13.17
			40	7.55	6.95	10.27	23.65	-13.38
		106T	53	9.62	9.21	12.43	23.65	-11.22
			54	9.65	9.31	12.49	23.65	-11.16
		242T	61	11.13	10.45	13.81	23.65	-9.84
		SU	-	15.12	14.65	17.90	23.65	-5.75
High	5240	26T	0	5.40	4.89	8.16	23.52	-15.36
			4	5.85	5.41	8.65	23.52	-14.87
			8	5.59	5.02	8.32	23.52	-15.20
		52T	37	7.42	6.83	10.15	23.52	-13.37
			38	7.90	7.38	10.66	23.52	-12.86
			40	7.82	6.80	10.35	23.52	-13.17
		106T	53	9.70	9.19	12.46	23.52	-11.06
			54	9.85	9.31	12.60	23.52	-10.92
		242T	61	11.23	10.42	13.85	23.52	-9.67
		SU	-	15.18	14.62	17.92	23.52	-5.60

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

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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	-7.96	-8.89	4.62	11.00	-6.38
			4	-7.18	-7.61	5.62	11.00	-5.38
			8	-7.66	-7.87	5.25	11.00	-5.75
		52T	37	-8.72	-8.54	4.38	11.00	-6.62
			38	-8.12	-8.26	4.82	11.00	-6.18
			40	-8.26	-8.86	4.46	11.00	-6.54
		106T	53	-9.46	-9.92	3.32	11.00	-7.68
			54	-9.54	-9.68	3.40	11.00	-7.60
		SU	-	-7.38	-9.52	4.69	11.00	-6.31
Mid	5200	26T	0	-7.94	-8.40	4.84	11.00	-6.16
			4	-7.34	-7.73	5.48	11.00	-5.52
			8	-7.44	-7.87	5.36	11.00	-5.64
		52T	37	-8.12	-8.78	4.57	11.00	-6.43
			38	-8.10	-8.71	4.62	11.00	-6.38
			40	-8.33	-9.08	4.32	11.00	-6.68
		106T	53	-9.13	-10.11	3.42	11.00	-7.58
			54	-9.46	-10.01	3.28	11.00	-7.72
		SU	-	-7.74	-9.36	4.54	11.00	-6.46
High	5240	26T	0	-7.94	-8.23	4.93	11.00	-6.07
			4	-7.01	-7.83	5.61	11.00	-5.39
			8	-7.49	-8.01	5.27	11.00	-5.73
		52T	37	-8.28	-8.95	4.41	11.00	-6.59
			38	-8.06	-8.85	4.57	11.00	-6.43
			40	-8.03	-8.61	4.70	11.00	-6.30
		106T	53	-9.35	-9.86	3.42	11.00	-7.58
			54	-9.33	-9.56	3.57	11.00	-7.43
		SU	-	-7.27	-9.50	4.76	11.00	-6.24

*** Calculation of PPSD result :**

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

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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	17.90	-3.22	-3.22
High	5230	18.53	-3.22	-3.22

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5190	23.53	23.53	11.00	11.00
High	5230	23.68	23.68	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	5.36	5.05	8.22	23.53	-15.31
			9	5.42	5.23	8.34	23.53	-15.19
			17	5.55	5.19	8.38	23.53	-15.15
		52T	37	6.90	6.52	9.72	23.53	-13.81
			41	7.51	7.33	10.43	23.53	-13.10
			44	7.01	6.63	9.83	23.53	-13.70
		106T	53	9.12	8.89	12.02	23.53	-11.51
			54	9.79	9.51	12.66	23.53	-10.87
			56	9.07	8.95	12.02	23.53	-11.51
		242T	61	10.34	10.45	13.41	23.53	-10.12
			62	10.31	10.47	13.40	23.53	-10.13
		484T	65	10.49	10.35	13.43	23.53	-10.10
		SU	-	13.82	13.88	16.86	23.53	-6.67
Mid	5230	26T	0	5.42	5.03	8.24	23.68	-15.44
			9	5.38	5.16	8.28	23.68	-15.40
			17	5.71	5.13	8.44	23.68	-15.24
		52T	37	6.90	6.55	9.74	23.68	-13.94
			41	7.76	7.41	10.60	23.68	-13.08
			44	6.81	6.73	9.78	23.68	-13.90
		106T	53	9.03	8.71	11.88	23.68	-11.80
			54	9.75	9.40	12.59	23.68	-11.09
			56	9.08	8.90	12.00	23.68	-11.68
		242T	61	10.38	10.36	13.38	23.68	-10.30
			62	10.33	10.42	13.39	23.68	-10.29
		484T	65	10.54	10.18	13.37	23.68	-10.31
		SU	-	13.89	13.86	16.89	23.68	-6.79

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

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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	-6.96	-8.20	5.48	11.00	-5.52
			9	-6.87	-7.98	5.62	11.00	-5.38
			17	-6.77	-7.19	6.04	11.00	-4.96
		52T	37	-8.65	-8.67	4.35	11.00	-6.65
			41	-8.03	-8.11	4.94	11.00	-6.06
			44	-8.64	-9.00	4.20	11.00	-6.80
		106T	53	-9.56	-9.68	3.39	11.00	-7.61
			54	-8.96	-9.47	3.80	11.00	-7.20
			56	-9.77	-9.93	3.16	11.00	-7.84
		242T	61	-11.04	-11.36	1.81	11.00	-9.19
			62	-11.40	-11.89	1.37	11.00	-9.63
		SU	-	-11.55	-11.18	1.65	11.00	-9.35
Mid	5230	26T	0	-6.82	-7.85	5.71	11.00	-5.29
			9	-7.00	-8.01	5.53	11.00	-5.47
			17	-6.47	-7.16	6.21	11.00	-4.79
		52T	37	-8.58	-9.33	4.07	11.00	-6.93
			41	-7.81	-8.25	4.99	11.00	-6.01
			44	-8.00	-8.86	4.60	11.00	-6.40
		106T	53	-9.52	-9.83	3.34	11.00	-7.66
			54	-8.91	-9.77	3.69	11.00	-7.31
			56	-9.18	-9.83	3.52	11.00	-7.48
		242T	61	-11.15	-11.71	1.59	11.00	-9.41
			62	-11.22	-11.92	1.45	11.00	-9.55
		SU	-	-11.67	-11.35	1.50	11.00	-9.50

*** Calculation of PPSD result :**

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

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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	21.43	-3.22	-3.22

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]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5210	26T	0	5.01	5.06	8.05	24.00	-15.95
			18	5.71	5.79	8.76	24.00	-15.24
			36	5.26	5.13	8.21	24.00	-15.79
		52T	37	6.43	6.33	9.39	24.00	-14.61
			45	7.10	6.58	9.86	24.00	-14.14
			52	6.96	6.73	9.86	24.00	-14.14
		106T	53	8.78	8.77	11.79	24.00	-12.21
			57	9.02	9.15	12.10	24.00	-11.90
			60	8.73	8.95	11.85	24.00	-12.15
		242T	61	9.49	9.18	12.35	24.00	-11.65
			62	9.67	9.46	12.58	24.00	-11.42
			64	9.51	9.29	12.41	24.00	-11.59
		484T	65	9.30	9.05	12.19	24.00	-11.81
			66	9.28	9.10	12.20	24.00	-11.80
		996T	67	10.76	10.24	13.52	24.00	-10.48
		SU	-	12.88	12.68	15.79	24.00	-8.21

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

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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	-7.71	-7.79	5.26	11.00	-5.74
			18	-7.70	-7.47	5.43	11.00	-5.57
			36	-7.71	-7.63	5.34	11.00	-5.66
		52T	37	-9.29	-9.07	3.83	11.00	-7.17
			45	-9.19	-9.53	3.65	11.00	-7.35
			52	-8.90	-9.18	3.97	11.00	-7.03
		106T	53	-10.21	-9.73	3.05	11.00	-7.95
			57	-10.26	-10.29	2.74	11.00	-8.26
			60	-10.03	-10.16	2.92	11.00	-8.08
		242T	61	-13.59	-13.22	-0.39	11.00	-11.39
			62	-13.31	-13.50	-0.39	11.00	-11.39
			64	-13.17	-13.20	-0.17	11.00	-11.17
		484T	65	-16.61	-16.13	-3.36	11.00	-14.36
			66	-16.55	-16.42	-3.47	11.00	-14.47
		SU	-	-15.74	-15.69	-2.70	11.00	-13.70

*** Calculation of PPSD result :**

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

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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	18.39	-3.35	-3.35
Mid	5300	18.25	-3.35	-3.35
High	5320	18.34	-3.35	-3.35

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5260	23.65	23.65	11.00	11.00
Mid	5300	23.61	23.61	11.00	11.00
High	5320	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	5260	26T	0	5.80	5.02	8.44	23.65	-15.21
			4	5.91	5.05	8.51	23.65	-15.14
			8	5.93	5.32	8.65	23.65	-15.00
		52T	37	7.01	6.18	9.63	23.65	-14.02
			38	7.13	6.36	9.77	23.65	-13.88
			40	6.92	6.13	9.55	23.65	-14.10
		106T	53	9.88	9.23	12.58	23.65	-11.07
			54	9.89	9.22	12.58	23.65	-11.07
		242T	61	11.33	10.48	13.94	23.65	-9.71
		SU	-	15.23	14.65	17.96	23.65	-5.69
Mid	5300	26T	0	5.18	4.25	7.75	23.61	-15.86
			4	5.35	4.38	7.90	23.61	-15.71
			8	4.90	4.16	7.56	23.61	-16.05
		52T	37	7.22	6.13	9.72	23.61	-13.89
			38	7.33	6.50	9.95	23.61	-13.66
			40	7.13	6.01	9.62	23.61	-13.99
		106T	53	9.97	8.91	12.48	23.61	-11.13
			54	9.98	8.81	12.44	23.61	-11.17
		242T	61	11.33	10.27	13.84	23.61	-9.77
		SU	-	15.32	14.53	17.95	23.61	-5.66
High	5320	26T	0	5.01	4.25	7.66	23.63	-15.97
			4	5.42	4.26	7.89	23.63	-15.74
			8	5.04	4.08	7.60	23.63	-16.03
		52T	37	7.06	6.03	9.59	23.63	-14.04
			38	7.08	6.11	9.63	23.63	-14.00
			40	6.82	6.01	9.44	23.63	-14.19
		106T	53	9.97	8.80	12.43	23.63	-11.20
			54	9.96	8.72	12.39	23.63	-11.24
		242T	61	11.46	10.28	13.92	23.63	-9.71
		SU	-	15.35	14.49	17.95	23.63	-5.68

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

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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	-7.72	-7.93	5.19	11.00	-5.81
			4	-7.12	-7.85	5.54	11.00	-5.46
			8	-6.93	-7.54	5.78	11.00	-5.22
		52T	37	-9.09	-9.94	3.51	11.00	-7.49
			38	-8.93	-9.60	3.76	11.00	-7.24
			40	-8.78	-9.75	3.77	11.00	-7.23
		106T	53	-9.44	-9.77	3.41	11.00	-7.59
			54	-9.00	-9.70	3.68	11.00	-7.32
		SU	-	-6.97	-9.06	5.12	11.00	-5.88
Mid	5300	26T	0	-8.78	-8.92	4.16	11.00	-6.84
			4	-7.57	-8.31	5.08	11.00	-5.92
			8	-7.80	-8.45	4.90	11.00	-6.10
		52T	37	-8.88	-9.26	3.95	11.00	-7.05
			38	-8.73	-9.06	4.12	11.00	-6.88
			40	-8.91	-9.34	3.89	11.00	-7.11
		106T	53	-9.03	-9.65	3.68	11.00	-7.32
			54	-9.04	-9.86	3.58	11.00	-7.42
		SU	-	-7.30	-9.49	4.75	11.00	-6.25
High	5320	26T	0	-8.17	-9.00	4.44	11.00	-6.56
			4	-7.79	-8.35	4.95	11.00	-6.05
			8	-8.16	-8.38	4.74	11.00	-6.26
		52T	37	-8.30	-9.02	4.37	11.00	-6.63
			38	-8.59	-8.89	4.27	11.00	-6.73
			40	-8.63	-9.27	4.07	11.00	-6.93
		106T	53	-9.31	-9.86	3.44	11.00	-7.56
			54	-9.20	-9.75	3.54	11.00	-7.46
		SU	-	-7.25	-9.33	4.85	11.00	-6.15

*** Calculation of PPSD result :**

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

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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	18.65	-3.35	-3.35
High	5310	17.53	-3.35	-3.35

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5270	23.71	23.71	11.00	11.00
High	5310	23.44	23.44	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	5.93	5.22	8.60	23.71	-15.11
			9	5.61	5.27	8.45	23.71	-15.26
			17	5.42	4.90	8.18	23.71	-15.53
		52T	37	7.26	6.70	10.00	23.71	-13.71
			41	7.86	7.27	10.59	23.71	-13.12
			44	6.88	6.36	9.64	23.71	-14.07
		106T	53	9.10	8.65	11.89	23.71	-11.82
			54	9.67	9.24	12.47	23.71	-11.24
			56	9.06	8.46	11.78	23.71	-11.93
		242T	61	10.36	10.34	13.36	23.71	-10.35
			62	10.24	10.32	13.29	23.71	-10.42
		484T	65	10.52	10.08	13.32	23.71	-10.39
		SU	-	13.84	13.51	16.69	23.71	-7.02
Mid	5310	26T	0	5.90	5.08	8.52	23.44	-14.92
			9	5.39	5.02	8.22	23.44	-15.22
			17	5.77	5.01	8.42	23.44	-15.02
		52T	37	7.72	6.76	10.28	23.44	-13.16
			41	7.68	7.09	10.41	23.44	-13.03
			44	7.01	6.39	9.72	23.44	-13.72
		106T	53	8.96	8.59	11.79	23.44	-11.65
			54	9.48	9.08	12.29	23.44	-11.15
			56	8.82	8.37	11.61	23.44	-11.83
		242T	61	10.48	10.32	13.41	23.44	-10.03
			62	10.31	10.15	13.24	23.44	-10.20
		484T	65	10.63	10.05	13.36	23.44	-10.08
		SU	-	13.95	13.50	16.74	23.44	-6.70

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

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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	-6.33	-7.40	6.18	11.00	-4.82
			9	-6.57	-7.61	5.95	11.00	-5.05
			17	-6.49	-7.43	6.07	11.00	-4.93
		52T	37	-8.10	-9.19	4.40	11.00	-6.60
			41	-7.03	-8.23	5.43	11.00	-5.57
			44	-7.87	-8.78	4.71	11.00	-6.29
		106T	53	-9.34	-10.09	3.31	11.00	-7.69
			54	-9.02	-9.45	3.78	11.00	-7.22
			56	-9.31	-10.09	3.33	11.00	-7.67
		242T	61	-10.99	-11.74	1.66	11.00	-9.34
			62	-11.28	-11.64	1.55	11.00	-9.45
		SU	-	-11.44	-11.57	1.51	11.00	-9.49
Mid	5310	26T	0	-6.37	-7.08	6.30	11.00	-4.70
			9	-6.57	-7.28	6.10	11.00	-4.90
			17	-6.97	-7.24	5.91	11.00	-5.09
		52T	37	-7.58	-9.13	4.72	11.00	-6.28
			41	-7.36	-8.47	5.13	11.00	-5.87
			44	-7.88	-9.33	4.46	11.00	-6.54
		106T	53	-9.36	-9.88	3.40	11.00	-7.60
			54	-8.77	-9.55	3.87	11.00	-7.13
			56	-9.56	-10.00	3.24	11.00	-7.76
		242T	61	-11.10	-11.26	1.83	11.00	-9.17
			62	-10.98	-11.73	1.67	11.00	-9.33
		SU	-	-11.42	-11.49	1.56	11.00	-9.44

*** Calculation of PPSD result :**

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

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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	19.92	-3.35	-3.35

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Mid	5290	23.99	23.99	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]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5290	26T	0	5.26	5.04	8.16	23.99	-15.83
			18	5.88	5.68	8.79	23.99	-15.20
			36	5.82	5.11	8.49	23.99	-15.50
		52T	37	6.90	6.68	9.80	23.99	-14.19
			45	7.55	6.78	10.19	23.99	-13.80
			52	7.19	6.77	10.00	23.99	-13.99
		106T	53	8.78	8.71	11.76	23.99	-12.23
			57	9.04	8.92	11.99	23.99	-12.00
			60	8.73	8.54	11.65	23.99	-12.34
		242T	61	9.54	9.03	12.30	23.99	-11.69
			62	9.77	9.10	12.46	23.99	-11.53
			64	9.60	8.86	12.26	23.99	-11.73
		484T	65	9.38	8.82	12.12	23.99	-11.87
			66	9.42	8.73	12.10	23.99	-11.89
		996T	67	10.83	10.59	13.72	23.99	-10.27
		SU	-	12.88	12.73	15.82	23.99	-8.17

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

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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	-7.04	-7.88	5.57	11.00	-5.43
			18	-6.94	-7.17	5.96	11.00	-5.04
			36	-7.04	-7.23	5.88	11.00	-5.12
		52T	37	-8.24	-8.48	4.65	11.00	-6.35
			45	-8.25	-8.61	4.58	11.00	-6.42
			52	-8.81	-8.71	4.25	11.00	-6.75
		106T	53	-9.87	-9.99	3.08	11.00	-7.92
			57	-9.62	-9.70	3.35	11.00	-7.65
			60	-10.15	-9.57	3.16	11.00	-7.84
		242T	61	-12.34	-12.94	0.38	11.00	-10.62
			62	-13.16	-13.01	-0.07	11.00	-11.07
			64	-13.26	-12.94	-0.09	11.00	-11.09
		484T	65	-16.14	-15.85	-2.98	11.00	-13.98
			66	-16.10	-16.06	-3.07	11.00	-14.07
		SU	-	-15.36	-15.05	-2.19	11.00	-13.19

*** Calculation of PPSD result :**

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

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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	17.78	-3.56	-3.56
Mid	5580	18.05	-3.56	-3.56
High	5700	18.37	-3.56	-3.56
Straddle	5720	18.09	-3.56	-3.56

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5500	23.50	23.50	11.00	11.00
Mid	5580	23.56	23.56	11.00	11.00
High	5700	23.64	23.64	11.00	11.00
Straddle	5720	23.57	23.57	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	5.36	4.02	7.75	23.50	-15.75
			4	5.55	4.30	7.98	23.50	-15.52
			8	5.16	4.01	7.63	23.50	-15.87
		52T	37	7.15	6.01	9.63	23.50	-13.87
			38	7.46	6.16	9.87	23.50	-13.63
			40	7.12	6.00	9.61	23.50	-13.89
		106T	53	9.72	9.09	12.43	23.50	-11.07
			54	9.71	9.27	12.51	23.50	-10.99
		242T	61	10.88	10.84	13.87	23.50	-9.63
		SU	-	14.88	14.93	17.92	23.50	-5.58
Mid	5580	26T	0	5.90	5.06	8.51	23.56	-15.05
			4	5.88	4.30	8.17	23.56	-15.39
			8	5.45	4.02	7.80	23.56	-15.76
		52T	37	7.46	6.33	9.94	23.56	-13.62
			38	7.69	6.40	10.10	23.56	-13.46
			40	7.46	6.38	9.96	23.56	-13.60
		106T	53	9.89	9.43	12.68	23.56	-10.88
			54	9.76	9.39	12.59	23.56	-10.97
		242T	61	11.13	10.76	13.96	23.56	-9.60
		SU	-	15.12	14.89	18.02	23.56	-5.54

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High	5700	26T	0	5.19	4.31	7.78	23.64	-15.86
			4	5.23	4.33	7.81	23.64	-15.83
			8	5.94	5.08	8.54	23.64	-15.10
		52T	37	6.97	6.24	9.63	23.64	-14.01
			38	7.38	6.66	10.05	23.64	-13.59
			40	7.05	6.35	9.72	23.64	-13.92
		106T	53	9.96	9.39	12.69	23.64	-10.95
			54	9.79	9.33	12.58	23.64	-11.06
		242T	61	11.36	10.55	13.98	23.64	-9.66
		SU	-	15.39	14.77	18.10	23.64	-5.54
Straddle	5720	26T	0	5.05	4.30	7.70	23.57	-15.87
			4	5.41	4.61	8.04	23.57	-15.53
		52T	37	7.08	6.43	9.78	23.57	-13.79
			38	7.27	6.31	9.83	23.57	-13.74
		106T	53	9.98	9.36	12.69	23.57	-10.88

*** 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	-8.14	-8.94	4.49	11.00	-6.51
			4	-7.54	-7.83	5.33	11.00	-5.67
			8	-7.75	-8.35	4.97	11.00	-6.03
		52T	37	-8.64	-8.97	4.21	11.00	-6.79
			38	-8.35	-9.10	4.30	11.00	-6.70
			40	-8.56	-9.28	4.11	11.00	-6.89
		106T	53	-8.82	-9.05	4.08	11.00	-6.92
			54	-8.60	-9.10	4.17	11.00	-6.83
		SU	-	-6.77	-8.42	5.50	11.00	-5.50
Mid	5580	26T	0	-6.06	-7.57	6.26	11.00	-4.74
			4	-7.02	-8.48	5.32	11.00	-5.68
			8	-7.09	-8.64	5.22	11.00	-5.78
		52T	37	-8.03	-9.20	4.43	11.00	-6.57
			38	-7.95	-9.13	4.51	11.00	-6.49
			40	-8.29	-9.44	4.18	11.00	-6.82
		106T	53	-8.45	-9.61	4.02	11.00	-6.98
			54	-8.37	-9.50	4.11	11.00	-6.89
		SU	-	-6.48	-7.82	5.91	11.00	-5.09
High	5700	26T	0	-7.88	-9.02	4.60	11.00	-6.40
			4	-7.12	-8.91	5.09	11.00	-5.91
			8	-6.92	-8.83	5.24	11.00	-5.76
		52T	37	-8.29	-9.25	4.27	11.00	-6.73
			38	-8.14	-9.11	4.42	11.00	-6.58
			40	-8.20	-9.03	4.41	11.00	-6.59
		106T	53	-8.41	-9.60	4.05	11.00	-6.95
			54	-8.61	-9.78	3.86	11.00	-7.14
		SU	-	-6.92	-8.18	5.50	11.00	-5.50

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Straddle	5720	26T	0	-7.25	-9.17	4.90	11.00	-6.10
			4	-6.82	-8.89	5.28	11.00	-5.72
		52T	37	-7.97	-9.97	4.16	11.00	-6.84
			38	-7.87	-9.34	4.47	11.00	-6.53
		106T	53	-8.29	-10.00	3.95	11.00	-7.05

*** Calculation of PPSD result :**

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

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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	17.76	-3.56	-3.56
Mid	5590	17.17	-3.56	-3.56
High	5670	18.87	-3.56	-3.56
Straddle	5710	17.19	-3.56	-3.56

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5510	23.49	23.49	11.00	11.00
Mid	5590	23.35	23.35	11.00	11.00
High	5670	23.76	23.76	11.00	11.00
Straddle	5710	23.35	23.35	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	5.85	5.51	8.69	23.49	-14.80
			9	5.49	5.22	8.37	23.49	-15.12
			17	5.96	5.10	8.56	23.49	-14.93
		52T	37	7.06	6.71	9.90	23.49	-13.59
			41	7.88	7.51	10.71	23.49	-12.78
			44	7.02	6.66	9.85	23.49	-13.64
		106T	53	9.31	8.85	12.10	23.49	-11.39
			54	9.77	9.27	12.54	23.49	-10.95
			56	9.22	8.81	12.03	23.49	-11.46
		242T	61	10.42	10.47	13.46	23.49	-10.03
			62	10.87	10.50	13.70	23.49	-9.79
		484T	65	11.02	10.36	13.71	23.49	-9.78
		SU	-	14.06	13.66	16.87	23.49	-6.62
Mid	5590	26T	0	5.76	5.11	8.46	23.35	-14.89
			9	5.67	5.36	8.53	23.35	-14.82
			17	5.40	5.19	8.31	23.35	-15.04
		52T	37	7.20	6.21	9.74	23.35	-13.61
			41	7.86	7.43	10.66	23.35	-12.69
			44	7.22	6.50	9.89	23.35	-13.46
		106T	53	9.30	8.81	12.07	23.35	-11.28
			54	9.83	9.27	12.57	23.35	-10.78
			56	9.34	8.89	12.13	23.35	-11.22
		242T	61	10.72	10.32	13.53	23.35	-9.82
			62	10.86	10.38	13.64	23.35	-9.71
		484T	65	11.04	10.21	13.66	23.35	-9.69
		SU	-	14.12	13.56	16.86	23.35	-6.49

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High	5670	26T	0	5.70	5.22	8.48	23.76	-15.28
			9	5.80	5.08	8.47	23.76	-15.29
			17	5.26	5.03	8.16	23.76	-15.60
		52T	37	7.16	6.36	9.79	23.76	-13.97
			41	7.66	7.47	10.58	23.76	-13.18
			44	7.03	6.49	9.78	23.76	-13.98
		106T	53	9.27	8.62	11.97	23.76	-11.79
			54	9.64	9.03	12.36	23.76	-11.40
			56	9.22	8.57	11.92	23.76	-11.84
		242T	61	9.79	8.87	12.36	23.76	-11.40
			62	9.82	8.88	12.39	23.76	-11.37
		484T	65	11.17	10.04	13.65	23.76	-10.11
		SU	-	14.25	13.36	16.84	23.76	-6.92
Straddle	5710	26T	0	5.86	5.33	8.61	23.35	-14.74
			9	5.73	5.09	8.43	23.35	-14.92
		52T	37	7.10	6.15	9.66	23.35	-13.69
			41	7.88	7.20	10.56	23.35	-12.79
		106T	53	9.25	8.56	11.93	23.35	-11.42
			54	9.79	9.09	12.46	23.35	-10.89
		242T	61	9.90	8.93	12.45	23.35	-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	5510	26T	0	-6.27	-6.45	6.65	11.00	-4.35
			9	-6.56	-6.71	6.38	11.00	-4.62
			17	-6.32	-6.85	6.43	11.00	-4.57
		52T	37	-7.14	-8.64	5.19	11.00	-5.81
			41	-7.06	-7.64	5.67	11.00	-5.33
			44	-7.70	-8.33	5.00	11.00	-6.00
		106T	53	-8.71	-9.06	4.13	11.00	-6.87
			54	-8.26	-9.03	4.39	11.00	-6.61
			56	-8.87	-9.40	3.88	11.00	-7.12
		242T	61	-10.54	-11.14	2.18	11.00	-8.82
			62	-10.12	-10.93	2.51	11.00	-8.49
		SU	-	-11.08	-11.32	1.81	11.00	-9.19
Mid	5590	26T	0	-5.36	-7.25	6.81	11.00	-4.19
			9	-5.80	-6.88	6.71	11.00	-4.29
			17	-5.91	-7.21	6.50	11.00	-4.50
		52T	37	-7.29	-8.40	5.20	11.00	-5.80
			41	-6.97	-8.22	5.46	11.00	-5.54
			44	-8.25	-8.67	4.56	11.00	-6.44
		106T	53	-8.76	-9.41	3.94	11.00	-7.06
			54	-8.42	-9.22	4.21	11.00	-6.79
			56	-8.99	-9.74	3.66	11.00	-7.34
		242T	61	-11.05	-11.82	1.59	11.00	-9.41
			62	-10.69	-11.72	1.84	11.00	-9.16
		SU	-	-11.09	-11.75	1.60	11.00	-9.40

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High	5670	26T	0	-6.16	-7.55	6.21	11.00	-4.79
			9	-6.40	-7.75	5.99	11.00	-5.01
			17	-6.39	-7.64	6.04	11.00	-4.96
		52T	37	-7.60	-8.62	4.93	11.00	-6.07
			41	-7.25	-7.85	5.47	11.00	-5.53
			44	-8.04	-8.59	4.71	11.00	-6.29
		106T	53	-8.87	-9.81	3.70	11.00	-7.30
			54	-8.62	-9.55	3.95	11.00	-7.05
			56	-9.06	-9.90	3.55	11.00	-7.45
		242T	61	-12.25	-13.17	0.33	11.00	-10.67
			62	-12.13	-13.07	0.44	11.00	-10.56
		SU	-	-11.00	-11.71	1.67	11.00	-9.33
Straddle	5710	26T	0	-6.29	-7.00	6.38	11.00	-4.62
			9	-6.12	-6.81	6.56	11.00	-4.44
		52T	37	-7.86	-8.18	5.00	11.00	-6.00
			41	-7.09	-8.16	5.42	11.00	-5.58
		106T	53	-8.78	-9.67	3.81	11.00	-7.19
			54	-8.59	-9.22	4.12	11.00	-6.88
		242T	61	-11.59	-12.68	0.91	11.00	-10.09

*** Calculation of PPSD result :**

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

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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	18.38	-3.56	-3.56
High	5610	17.42	-3.56	-3.56
Straddle	5690	21.30	-3.56	-3.56

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
Low	5530	23.64	23.64	11.00	11.00
High	5610	23.41	23.41	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]	Total Corr'd Power [dBm]	Power Limit [dBm]	Power Margin [dB]
Low	5530	26T	0	5.97	5.51	8.76	23.64	-14.88
			18	5.36	5.02	8.20	23.64	-15.44
			36	5.33	4.38	7.89	23.64	-15.75
		52T	37	7.33	6.83	10.10	23.64	-13.54
			45	7.86	7.33	10.61	23.64	-13.03
			52	7.55	6.82	10.21	23.64	-13.43
		106T	53	9.34	8.91	12.14	23.64	-11.50
			57	9.48	9.08	12.29	23.64	-11.35
			60	9.37	9.00	12.20	23.64	-11.44
		242T	61	9.89	9.16	12.55	23.64	-11.09
			62	9.94	9.26	12.62	23.64	-11.02
			64	9.93	9.28	12.63	23.64	-11.01
		484T	65	9.84	9.11	12.50	23.64	-11.14
			66	9.90	9.13	12.54	23.64	-11.10
		996T	67	9.79	9.28	12.55	23.64	-11.09
		SU	-	13.05	12.94	16.01	23.64	-7.63

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High	5610	26T	0	5.22	4.70	7.98	23.41	-15.43
			18	5.38	5.02	8.21	23.41	-15.20
			36	5.36	4.42	7.93	23.41	-15.48
		52T	37	7.40	6.88	10.16	23.41	-13.25
			45	7.82	7.30	10.58	23.41	-12.83
			52	7.50	6.67	10.12	23.41	-13.29
		106T	53	9.38	9.00	12.20	23.41	-11.21
			57	9.47	9.03	12.27	23.41	-11.14
			60	9.36	8.94	12.17	23.41	-11.24
		242T	61	9.93	9.07	12.53	23.41	-10.88
			62	9.90	9.15	12.55	23.41	-10.86
			64	9.82	9.17	12.52	23.41	-10.89
		484T	65	9.80	9.08	12.47	23.41	-10.94
			66	9.73	8.92	12.35	23.41	-11.06
		996T	67	10.98	10.50	13.76	23.41	-9.65
		SU	-	13.09	12.83	15.97	23.41	-7.44
Straddle	5690	26T	0	5.48	4.70	8.12	24.00	-15.88
			18	5.66	4.68	8.21	24.00	-15.79
		52T	37	7.37	6.75	10.08	24.00	-13.92
			45	7.98	7.11	10.58	24.00	-13.42
		106T	53	9.43	8.80	12.14	24.00	-11.86
			57	9.49	8.96	12.24	24.00	-11.76
		242T	61	9.85	8.79	12.36	24.00	-11.64
			62	9.82	9.18	12.52	24.00	-11.48
		484T	65	9.68	8.78	12.26	24.00	-11.74

*** 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	-5.95	-6.15	6.96	11.00	-4.04
			18	-6.81	-7.64	5.80	11.00	-5.20
			36	-6.07	-6.82	6.58	11.00	-4.42
		52T	37	-7.04	-8.20	5.43	11.00	-5.57
			45	-6.90	-7.96	5.61	11.00	-5.39
			52	-6.92	-8.52	5.36	11.00	-5.64
		106T	53	-8.69	-9.45	3.95	11.00	-7.05
			57	-8.20	-9.66	4.14	11.00	-6.86
			60	-8.43	-9.87	3.92	11.00	-7.08
		242T	61	-11.79	-12.53	0.87	11.00	-10.13
			62	-11.93	-12.58	0.76	11.00	-10.24
			64	-11.61	-12.97	0.77	11.00	-10.23
		484T	65	-14.88	-15.62	-2.22	11.00	-13.22
			66	-14.42	-15.58	-1.95	11.00	-12.95
		SU	-	-14.25	-15.14	-1.66	11.00	-12.66

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High	5610	26T	0	-6.84	-8.13	5.58	11.00	-5.42
			18	-6.78	-7.84	5.73	11.00	-5.27
			36	-6.88	-7.91	5.65	11.00	-5.35
		52T	37	-7.12	-8.70	5.18	11.00	-5.82
			45	-7.00	-8.68	5.25	11.00	-5.75
			52	-7.24	-8.62	5.14	11.00	-5.86
		106T	53	-8.39	-9.68	4.02	11.00	-6.98
			57	-8.42	-9.81	3.95	11.00	-7.05
			60	-8.64	-9.85	3.81	11.00	-7.19
		242T	61	-11.37	-12.93	0.93	11.00	-10.07
			62	-11.72	-12.95	0.72	11.00	-10.28
			64	-11.87	-12.88	0.67	11.00	-10.33
		484T	65	-14.38	-16.15	-2.16	11.00	-13.16
			66	-14.54	-15.71	-2.07	11.00	-13.07
		SU	-	-14.24	-15.57	-1.85	11.00	-12.85
Straddle	5690	26T	0	-6.71	-8.06	5.68	11.00	-5.32
			18	-6.59	-7.96	5.79	11.00	-5.21
		52T	37	-7.00	-8.76	5.22	11.00	-5.78
			45	-6.38	-8.15	5.84	11.00	-5.16
		106T	53	-8.52	-9.91	3.85	11.00	-7.15
			57	-8.29	-9.25	4.26	11.00	-6.74
		242T	61	-11.75	-13.30	0.55	11.00	-10.45
			62	-11.55	-13.32	0.67	11.00	-10.33
		484T	65	-14.75	-15.77	-2.22	11.00	-13.22

*** Calculation of PPSD result :**

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

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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	-3.20	-3.20
Low	5745	-3.20	-3.20
Mid	5785	-3.20	-3.20
High	5825	-3.20	-3.20

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	5.10	4.24	7.70	30.00	-22.30
		52T	40	7.05	6.45	9.77	30.00	-20.23
Low	5745	26T	0	5.92	5.55	8.75	30.00	-21.25
			4	5.17	4.50	7.86	30.00	-22.14
			8	4.80	4.18	7.51	30.00	-22.49
		52T	37	6.76	6.40	9.59	30.00	-20.41
			38	6.70	6.51	9.62	30.00	-20.38
			40	6.45	6.27	9.37	30.00	-20.63
		106T	53	9.98	9.88	12.94	30.00	-17.06
			54	9.86	9.81	12.85	30.00	-17.15
		242T	61	11.40	11.00	14.21	30.00	-15.79
		SU	-	15.33	14.87	18.12	30.00	-11.88
Mid	5785	26T	0	5.78	5.44	8.62	30.00	-21.38
			4	4.96	4.41	7.70	30.00	-22.30
			8	4.54	4.00	7.29	30.00	-22.71
		52T	37	7.84	7.32	10.60	30.00	-19.40
			38	7.97	7.77	10.88	30.00	-19.12
			40	7.92	7.39	10.67	30.00	-19.33
		106T	53	9.96	9.71	12.85	30.00	-17.15
			54	9.84	9.63	12.75	30.00	-17.25
		242T	61	11.36	10.87	14.13	30.00	-15.87
		SU	-	15.30	14.74	18.04	30.00	-11.96

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High	5825	26T	0	4.70	4.11	7.43	30.00	-22.57
			4	5.45	4.74	8.12	30.00	-21.88
			8	5.04	4.33	7.71	30.00	-22.29
		52T	37	6.53	6.41	9.48	30.00	-20.52
			38	6.88	6.70	9.80	30.00	-20.20
			40	6.54	6.31	9.44	30.00	-20.56
		106T	53	9.96	9.58	12.78	30.00	-17.22
			54	9.86	9.65	12.77	30.00	-17.23
		242T	61	11.23	10.81	14.04	30.00	-15.96
		SU	-	15.19	14.70	17.96	30.00	-12.04

*** 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	-7.17	-9.02	2.01	30.00	-27.99
		52T	40	-8.13	-9.57	1.21	30.00	-28.79
Low	5745	26T	0	-6.24	-7.78	3.05	30.00	-26.95
			4	-6.98	-8.59	2.29	30.00	-27.71
			8	-7.20	-8.80	2.07	30.00	-27.93
		52T	37	-7.99	-9.94	1.14	30.00	-28.86
			38	-8.32	-9.85	0.99	30.00	-29.01
			40	-7.91	-9.83	1.24	30.00	-28.76
		106T	53	-8.27	-9.51	1.16	30.00	-28.84
			54	-8.43	-9.54	1.05	30.00	-28.95
		SU	-	-6.68	-7.64	2.86	30.00	-27.14
Mid	5785	26T	0	-6.95	-7.67	2.71	30.00	-27.29
			4	-7.12	-8.63	2.19	30.00	-27.81
			8	-7.55	-9.02	1.78	30.00	-28.22
		52T	37	-7.45	-8.31	2.14	30.00	-27.86
			38	-7.39	-8.52	2.08	30.00	-27.92
			40	-7.44	-8.50	2.06	30.00	-27.94
		106T	53	-8.15	-9.39	1.27	30.00	-28.73
			54	-8.31	-9.41	1.17	30.00	-28.83
		SU	-	-6.45	-7.85	2.91	30.00	-27.09
High	5825	26T	0	-8.12	-8.95	1.49	30.00	-28.51
			4	-7.50	-8.47	2.05	30.00	-27.95
			8	-7.55	-9.00	1.78	30.00	-28.22
		52T	37	-8.54	-9.78	0.88	30.00	-29.12
			38	-8.64	-9.49	0.96	30.00	-29.04
			40	-9.09	-9.75	0.60	30.00	-29.40
		106T	53	-8.70	-9.33	1.00	30.00	-29.00
			54	-9.11	-9.53	0.68	30.00	-29.32
		SU	-	-7.20	-8.06	2.40	30.00	-27.60

*** Calculation of PPSD result :**

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

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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	-3.20	-3.20
Low	5755	-3.20	-3.20
High	5795	-3.20	-3.20

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	5.71	5.13	8.44	30.00	-21.56
		52T	44	7.21	6.36	9.82	30.00	-20.18
Low	5755	26T	0	5.88	5.34	8.63	30.00	-21.37
			9	5.80	5.22	8.53	30.00	-21.47
			17	5.93	5.25	8.61	30.00	-21.39
		52T	37	7.36	6.74	10.07	30.00	-19.93
			41	7.97	7.15	10.59	30.00	-19.41
			44	7.42	6.60	10.04	30.00	-19.96
		106T	53	9.38	9.08	12.24	30.00	-17.76
			54	9.88	9.61	12.76	30.00	-17.24
			56	9.45	9.06	12.27	30.00	-17.73
		242T	61	9.94	9.29	12.64	30.00	-17.36
			62	10.09	9.38	12.76	30.00	-17.24
		484T	65	11.20	10.42	13.84	30.00	-16.16
		SU	-	14.35	13.59	17.00	30.00	-13.00
High	5795	26T	0	5.41	5.19	8.31	30.00	-21.69
			9	5.90	5.71	8.82	30.00	-21.18
			17	5.60	4.81	8.23	30.00	-21.77
		52T	37	6.56	6.32	9.45	30.00	-20.55
			41	7.93	7.46	10.71	30.00	-19.29
			44	6.81	6.26	9.55	30.00	-20.45
		106T	53	9.09	8.97	12.04	30.00	-17.96
			54	9.94	9.88	12.92	30.00	-17.08
			56	9.11	8.87	12.00	30.00	-18.00
		242T	61	10.09	9.44	12.79	30.00	-17.21
			62	9.91	9.40	12.67	30.00	-17.33
		484T	65	11.06	10.44	13.77	30.00	-16.23
		SU	-	14.16	13.58	16.89	30.00	-13.11

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

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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	-6.00	-6.75	3.64	30.00	-26.36
		52T	44	-7.47	-8.96	1.85	30.00	-28.15
Low	5755	26T	0	-6.06	-7.28	3.37	30.00	-26.63
			9	-6.23	-7.46	3.19	30.00	-26.81
			17	-6.31	-7.49	3.14	30.00	-26.86
		52T	37	-7.52	-8.19	2.16	30.00	-27.84
			41	-6.86	-7.72	2.73	30.00	-27.27
			44	-7.70	-8.33	2.00	30.00	-28.00
		106T	53	-8.26	-9.20	1.30	30.00	-28.70
			54	-8.06	-8.49	1.73	30.00	-28.27
			56	-8.73	-9.40	0.95	30.00	-29.05
		242T	61	-11.44	-12.34	-1.87	30.00	-31.87
			62	-11.62	-12.42	-2.00	30.00	-32.00
		SU	-	-10.29	-11.34	-0.78	30.00	-30.78
High	5795	26T	0	-7.11	-7.18	2.86	30.00	-27.14
			9	-6.32	-6.88	3.41	30.00	-26.59
			17	-6.60	-6.99	3.21	30.00	-26.79
		52T	37	-7.56	-8.71	1.90	30.00	-28.10
			41	-6.97	-7.61	2.72	30.00	-27.28
			44	-7.62	-8.55	1.94	30.00	-28.06
		106T	53	-8.81	-9.26	0.97	30.00	-29.03
			54	-8.06	-8.84	1.56	30.00	-28.44
			56	-8.79	-9.70	0.78	30.00	-29.22
		242T	61	-11.76	-12.20	-1.97	30.00	-31.97
			62	-11.60	-12.00	-1.79	30.00	-31.79
		SU	-	-10.58	-11.08	-0.82	30.00	-30.82

*** Calculation of PPSD result :**

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

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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	-3.20	-3.20
Mid	5775	-3.20	-3.20

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	0.00	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	5690	26T	36	5.42	4.38	7.94	30.00	-22.06
		52T	52	7.67	6.80	10.27	30.00	-19.73
Mid	5775	26T	0	5.15	4.86	8.02	30.00	-21.98
			18	5.55	4.94	8.27	30.00	-21.73
			36	4.89	4.77	7.84	30.00	-22.16
		52T	37	7.23	6.80	10.03	30.00	-19.97
			45	7.41	7.25	10.34	30.00	-19.66
			52	7.44	7.16	10.31	30.00	-19.69
		106T	53	9.38	9.21	12.31	30.00	-17.69
			57	9.49	9.46	12.49	30.00	-17.51
			60	9.16	9.11	12.15	30.00	-17.85
		242T	61	9.69	9.67	12.69	30.00	-17.31
			62	9.86	9.67	12.78	30.00	-17.22
			64	9.70	9.60	12.66	30.00	-17.34
		484T	65	9.42	9.08	12.26	30.00	-17.74
			66	9.42	9.23	12.34	30.00	-17.66
		996T	67	10.73	10.35	13.55	30.00	-16.45
		SU	-	12.80	12.47	15.65	30.00	-14.35

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

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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	-6.49	-8.04	2.80	30.00	-27.20
		52T	52	-7.48	-8.60	2.00	30.00	-28.00
Mid	5775	26T	0	-7.14	-8.03	2.44	30.00	-27.56
			18	-7.01	-7.46	2.77	30.00	-27.23
			36	-7.27	-7.87	2.44	30.00	-27.56
		52T	37	-7.43	-8.79	1.95	30.00	-28.05
			45	-7.32	-8.20	2.26	30.00	-27.74
			52	-7.72	-8.64	1.84	30.00	-28.16
		106T	53	-8.54	-9.50	1.01	30.00	-28.99
			57	-8.80	-9.42	0.90	30.00	-29.10
			60	-8.93	-9.57	0.76	30.00	-29.24
		242T	61	-11.77	-12.64	-2.18	30.00	-32.18
			62	-11.70	-12.26	-1.97	30.00	-31.97
			64	-11.95	-12.61	-2.27	30.00	-32.27
		484T	65	-14.69	-15.43	-5.04	30.00	-35.04
			66	-14.84	-15.57	-5.19	30.00	-35.19
		SU	-	-14.30	-15.34	-4.79	30.00	-34.79

*** Calculation of PPSD result :**

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

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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 PPSD [dBi]
UNII-2C	5720	15.15	-3.56	-3.56
UNII-3	5720	5.52	-3.20	-3.20

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5720	22.80	22.80	11.00	11.00
UNII-3	5720	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 [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]
UNII-2C	5720	106T	54	6.55	6.00	9.29	22.80	-13.51
		SU	-	13.89	13.40	16.67	22.80	-6.13
UNII-3		106T	54	7.17	6.54	9.88	30.00	-20.12
		SU	-	8.69	8.18	11.45	30.00	-18.55

*** 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 [MHz]	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	5720	106T	54	-8.49	-9.76	3.93	11.00	-7.07
		SU	-	-6.95	-8.31	5.43	11.00	-5.57
UNII-3*		106T	54	-8.57	-10.19	0.69	30.00	-29.31
		SU	-	-7.45	-8.56	2.04	30.00	-27.96

* 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]

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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	19.48	-3.56	-3.56
UNII-3		4.70	-3.20	-3.20

Limits

Portion	Frequency [MHz]	FCC Power Limit [dBm]	Power Limit [dBm]	FCC PPSD Limit [dBm/MHz]	PPSD Limit [dBm/MHz]
UNII-2C	5710	23.90	23.90	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 [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]
UNII-2C	5710	106T	56	6.50	5.72	9.14	23.90	-14.76
		242T	62	8.59	7.73	11.19	23.90	-12.71
		SU	-	13.59	12.61	16.13	23.90	-7.77
UNII-3		106T	56	5.67	4.75	8.24	30.00	-21.76
		242T	62	2.23	1.39	4.84	30.00	-25.16
		SU	-	3.80	2.75	6.31	30.00	-23.69

*** 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 [MHz]	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	-9.23	-10.14	3.35	11.00	-7.65
		242T	62	-11.91	-13.09	0.55	11.00	-10.45
		SU	-	-10.56	-11.51	2.00	11.00	-9.00
UNII-3*		106T	56	-8.83	-10.19	0.55	30.00	-29.45
		242T	62	-12.84	-13.76	-3.28	30.00	-33.28
		SU	-	-11.37	-12.26	-1.79	30.00	-31.79

* 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]

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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	23.36	-3.56	-3.56
UNII-3		5.38	-3.20	-3.20

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 [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]
UNII-2C	5690	106T	60	6.66	5.67	9.20	24.00	-14.80
		242T	64	8.70	7.67	11.23	24.00	-12.77
		484T	66	8.91	8.06	11.51	24.00	-12.49
		SU	-	12.49	12.35	15.43	24.00	-8.57
UNII-3		106T	60	5.84	4.82	8.37	30.00	-21.63
		242T	64	2.41	1.38	4.93	30.00	-25.07
		484T	66	-1.35	-2.36	1.19	30.00	-28.81
		SU	-	-1.36	-1.56	1.55	30.00	-28.45

*** 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 [MHz]	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	5690	106T	60	-8.65	-9.72	3.86	11.00	-7.14
		242T	64	-11.76	-13.11	0.63	11.00	-10.37
		484T	66	-15.00	-15.93	-2.43	11.00	-13.43
		SU	-	-14.46	-15.36	-1.88	11.00	-12.88
UNII-3*		106T	60	-8.75	-10.12	0.62	30.00	-29.38
		242T	64	-11.87	-13.61	0.36	30.00	-29.64
		484T	66	-15.98	-17.57	-3.70	30.00	-33.70
		SU	-	-16.34	-17.03	-3.66	30.00	-33.66

* 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]

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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.

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(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[dBuV/m] = EIRP[dBm] + 95.2 = -27dBm + 95.2 = 68.2dBuV/m

E[dBuV/m] = EIRP[dBm] + 95.2 = -17dBm + 95.2 = 78.2dBuV/m

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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 area test site, adequate comparison measurements were confirmed against 30 m open are 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.

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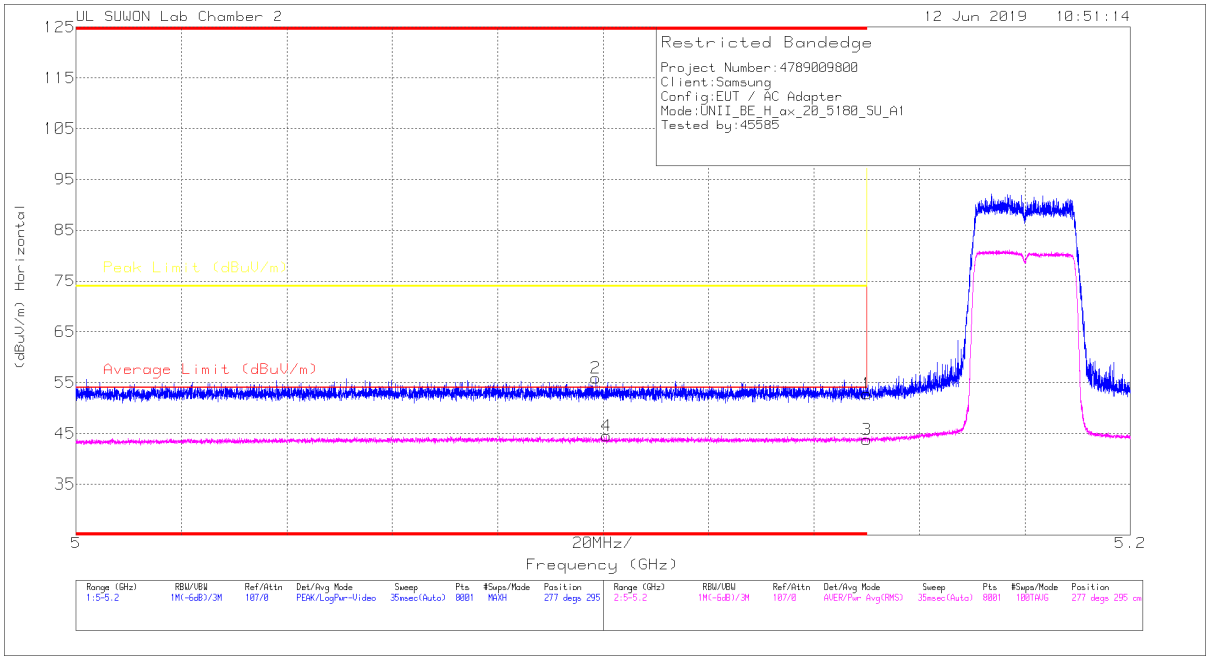
11.1. 5.2 GHz_1Tx (SISO)

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_00168724	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	36.72	Pk	34.3	-18.2	0	52.82	-	-	74	-21.18	277	295	H
2	* 5.099	39.74	Pk	34.2	-18.1	0	55.84	-	-	74	-18.16	277	295	H
3	5.15	26.82	RMS	34.3	-17.3	0	43.82	54	-10.18	-	-	277	295	H
4	* 5.101	27.69	RMS	34.2	-17.4	0	44.49	54	-9.51	-	-	277	295	H

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

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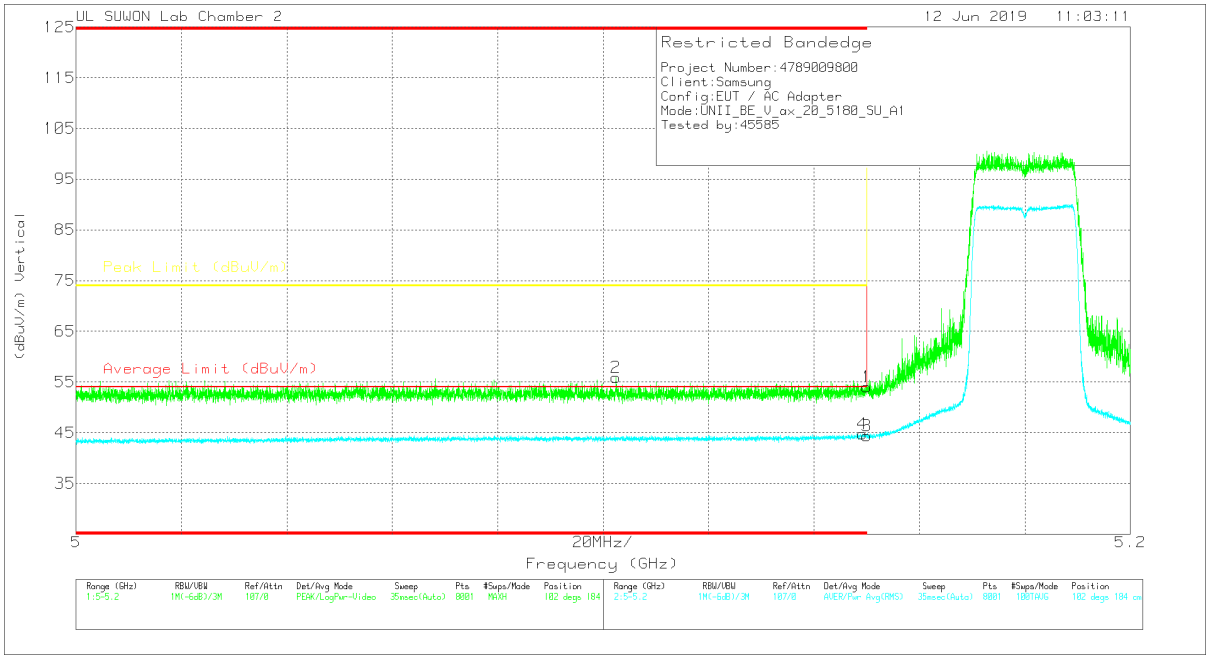
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	37.89	Pk	34.3	-18.2	0	53.99	-	-	74	-20.01	102	184	V
2	* 5.102	39.78	Pk	34.2	-18.1	0	55.88	-	-	74	-18.12	102	184	V
3	5.15	27.35	RMS	34.3	-17.3	0	44.35	54	-9.65	-	-	102	184	V
4	* 5.149	27.81	RMS	34.3	-17.3	0	44.81	54	-9.19	-	-	102	184	V

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

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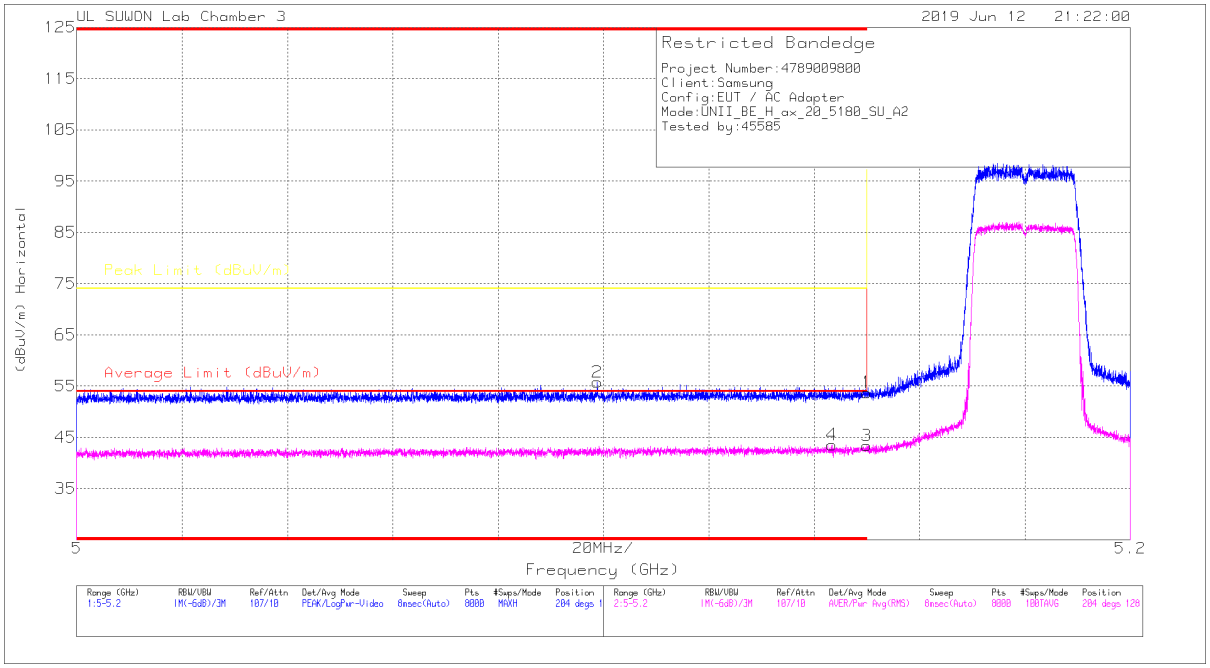
HE20 SU mode (ANT_2)

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	* 5.15	38.33	Pk	34.4	-19	0	53.73	-	-	74	-20.27	204	128	H
2	* 5.099	40.34	Pk	34.4	-19	0	55.74	-	-	74	-18.26	204	128	H
3	* 5.15	28.37	RMS	34.4	-19.4	0	43.37	54	-10.63	-	-	204	128	H
4	* 5.143	28.54	RMS	34.4	-19.4	0	43.54	54	-10.46	-	-	204	128	H

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

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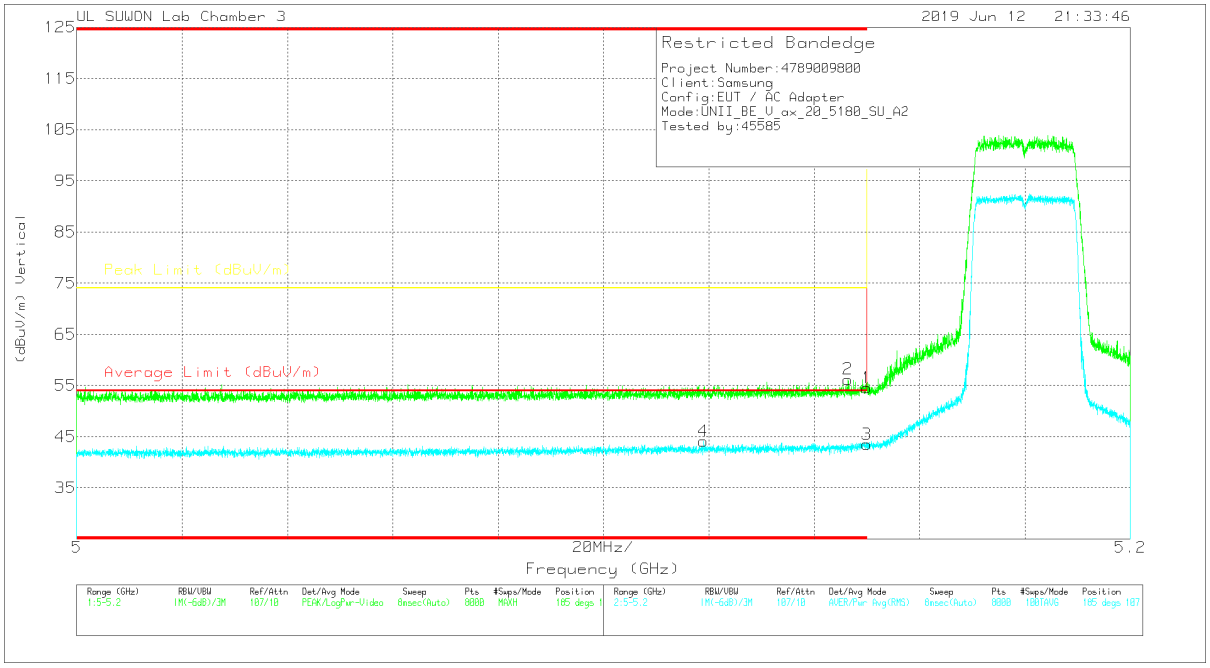
VERTICAL PEAK AND AVERAGE PLOT



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	39.15	Pk	34.4	-19	0	54.55	-	-	74	-19.45	185	107	V
2	* 5.146	40.9	Pk	34.4	-19.1	0	56.2	-	-	74	-17.8	185	107	V
3	* 5.15	28.51	RMS	34.4	-19.4	0	43.51	54	-10.49	-	-	185	107	V
4	* 5.119	29.19	RMS	34.4	-19.5	0	44.09	54	-9.91	-	-	185	107	V

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

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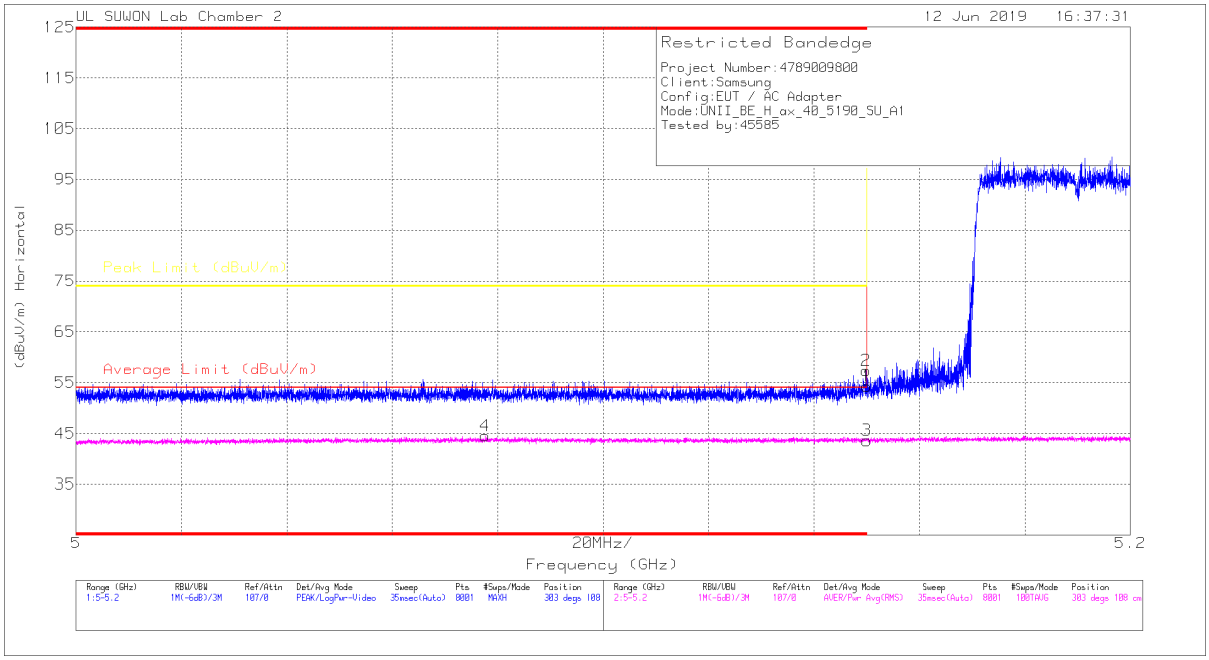
HE40 SU mode (ANT_1)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	38.24	Pk	34.3	-18.2	0	54.34	-	-	74	-19.66	303	108	H
2	* 5.15	41.26	Pk	34.3	-18.2	0	57.36	-	-	74	-16.64	303	108	H
3	5.15	26.59	RMS	34.3	-17.3	0	43.59	54	-10.41	-	-	303	108	H
4	* 5.078	27.73	RMS	34.2	-17.4	0	44.53	54	-9.47	-	-	303	108	H

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

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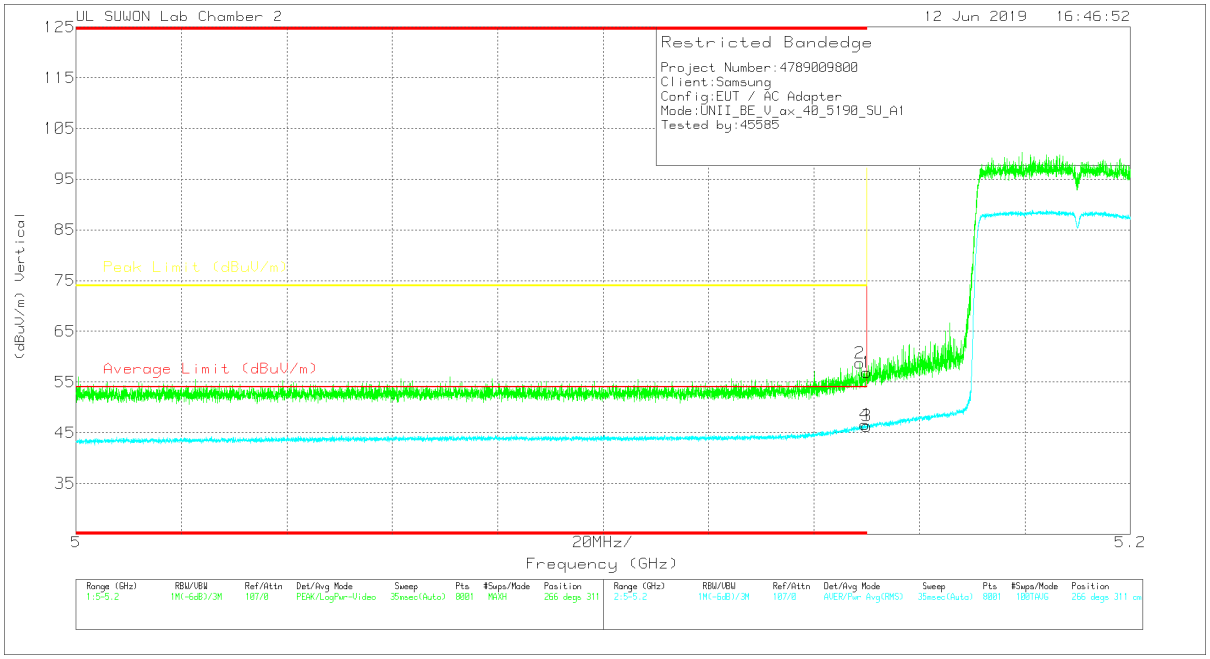
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	40.82	Pk	34.3	-18.2	0	56.92	-	-	74	-17.08	266	311	V
2	* 5.149	42.49	Pk	34.3	-18.1	0	58.69	-	-	74	-15.31	266	311	V
3	5.15	29.31	RMS	34.3	-17.3	0	46.31	54	-7.69	-	-	266	311	V
4	* 5.15	29.65	RMS	34.3	-17.3	0	46.65	54	-7.35	-	-	266	311	V

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

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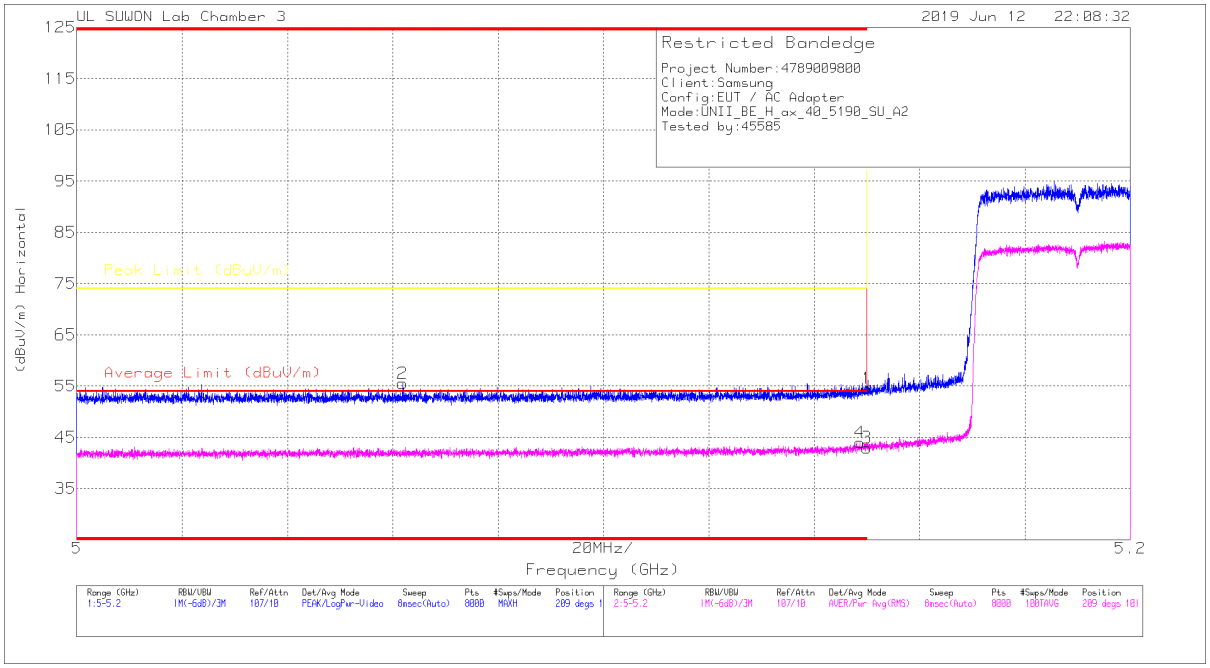
HE40 SU mode (ANT_2)

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	* 5.15	39.16	Pk	34.4	-19	0	54.56	-	-	74	-19.44	209	101	H
2	* 5.062	40.31	Pk	34.3	-19.1	0	55.51	-	-	74	-18.49	209	101	H
3	* 5.15	27.94	RMS	34.4	-19.4	0	42.94	54	-11.06	-	-	209	101	H
4	* 5.149	29	RMS	34.4	-19.4	0	44	54	-10	-	-	209	101	H

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

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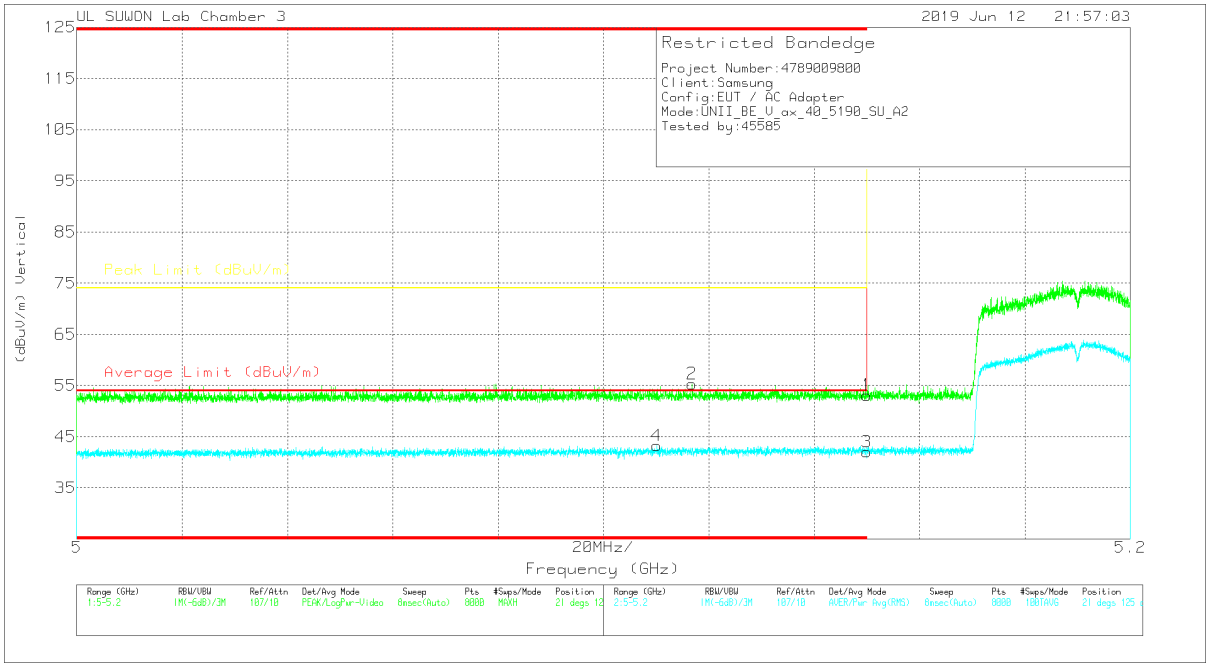
VERTICAL PEAK AND AVERAGE PLOT



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	37.72	Pk	34.4	-19	0	53.12	-	-	74	-20.88	21	125	V
2	* 5.117	40.03	Pk	34.4	-19.1	0	55.33	-	-	74	-18.67	21	125	V
3	* 5.15	27.06	RMS	34.4	-19.4	0	42.06	54	-11.94	-	-	21	125	V
4	* 5.11	28.36	RMS	34.4	-19.5	0	43.26	54	-10.74	-	-	21	125	V

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

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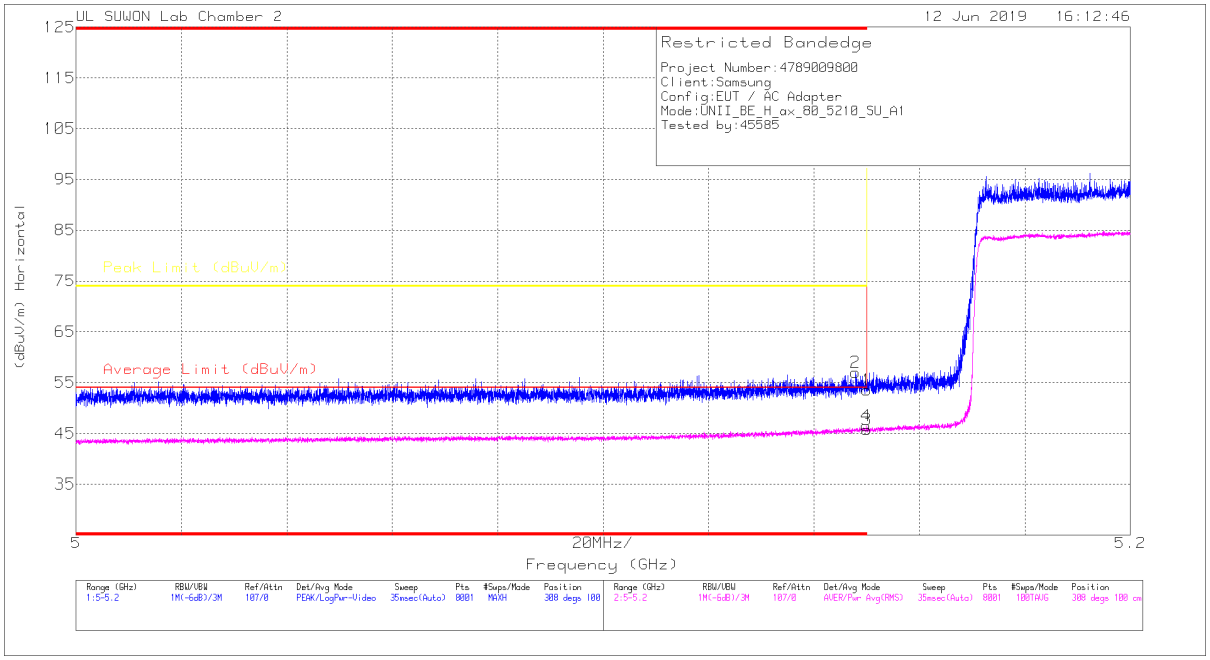
HE80 SU mode (ANT_1)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	37.49	Pk	34.3	-18.2	0	53.59	-	-	74	-20.41	308	100	H
2	* 5.148	40.83	Pk	34.3	-18.1	0	57.03	-	-	74	-16.97	308	100	H
3	5.15	28.7	RMS	34.3	-17.3	0	45.7	54	-8.3	-	-	308	100	H
4	* 5.15	29.44	RMS	34.3	-17.3	0	46.44	54	-7.56	-	-	308	100	H

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

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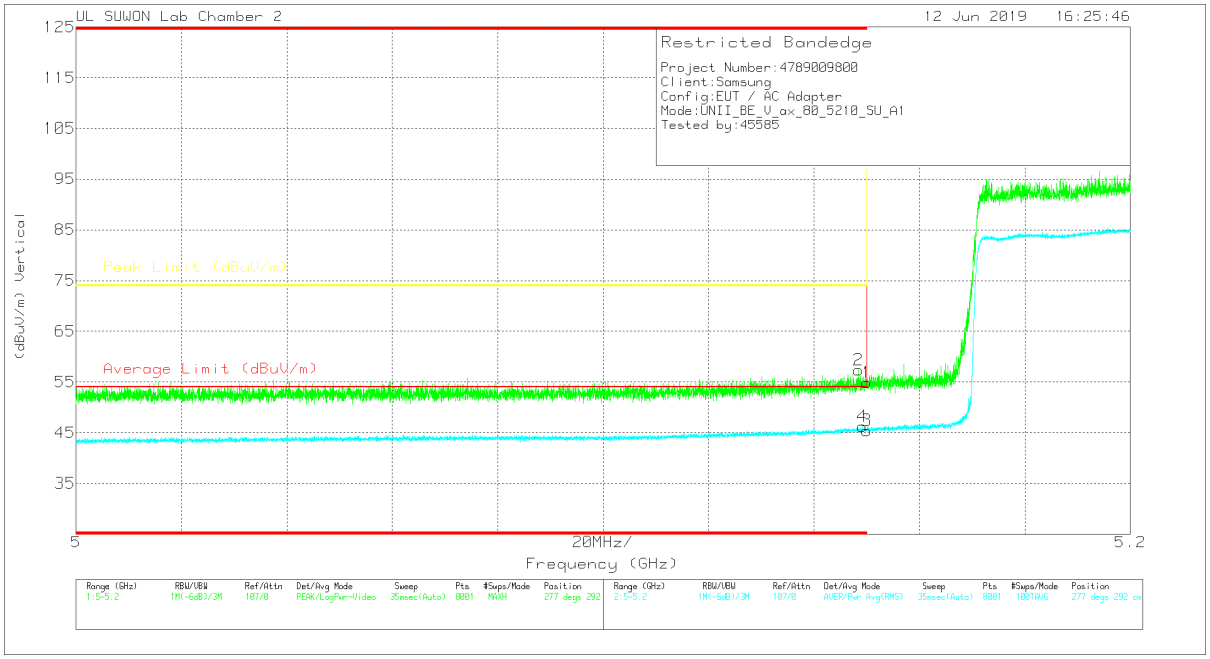
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	34.3	-18.2	0	54.93	-	-	74	-19.07	277	292	V
2	* 5.148	41.21	Pk	34.3	-18.1	0	57.41	-	-	74	-16.59	277	292	V
3	5.15	28.44	RMS	34.3	-17.3	0	45.44	54	-8.56	-	-	277	292	V
4	* 5.149	29.19	RMS	34.3	-17.3	0	46.19	54	-7.81	-	-	277	292	V

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

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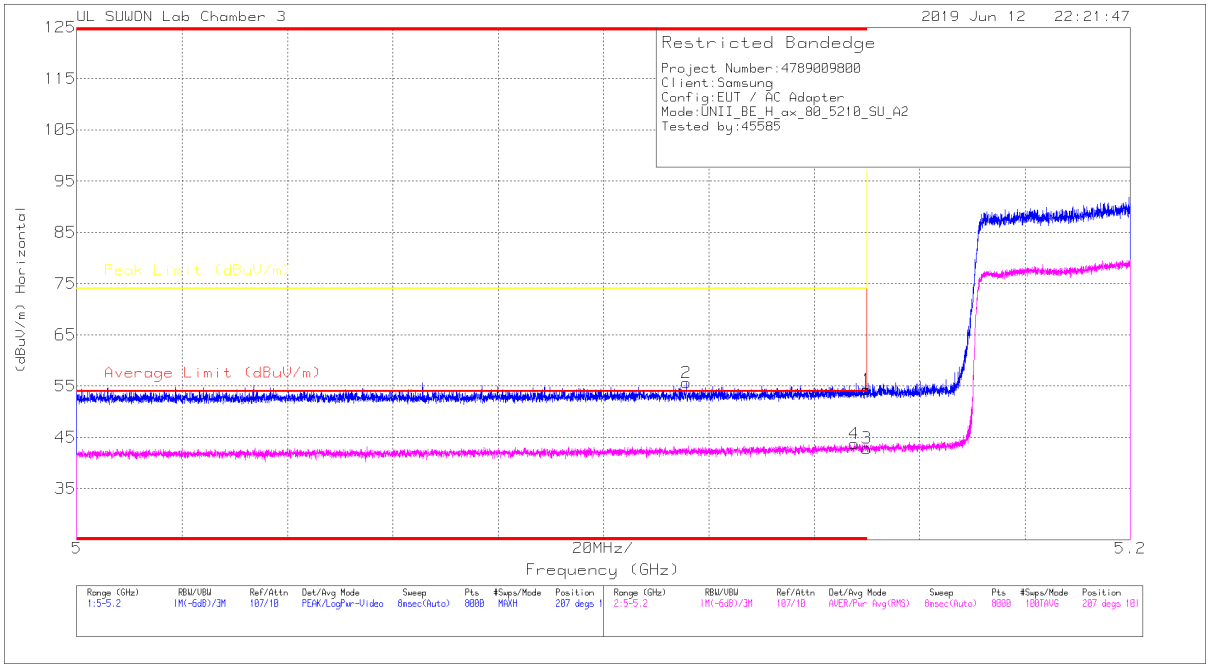
HE80 SU mode (ANT_2)

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	* 5.15	38.89	Pk	34.4	-19	0	54.29	-	-	74	-19.71	207	101	H
2	* 5.116	40.27	Pk	34.4	-19	0	55.67	-	-	74	-18.33	207	101	H
3	* 5.15	27.84	RMS	34.4	-19.4	0	42.84	54	-11.16	-	-	207	101	H
4	* 5.148	28.74	RMS	34.4	-19.4	0	43.74	54	-10.26	-	-	207	101	H

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

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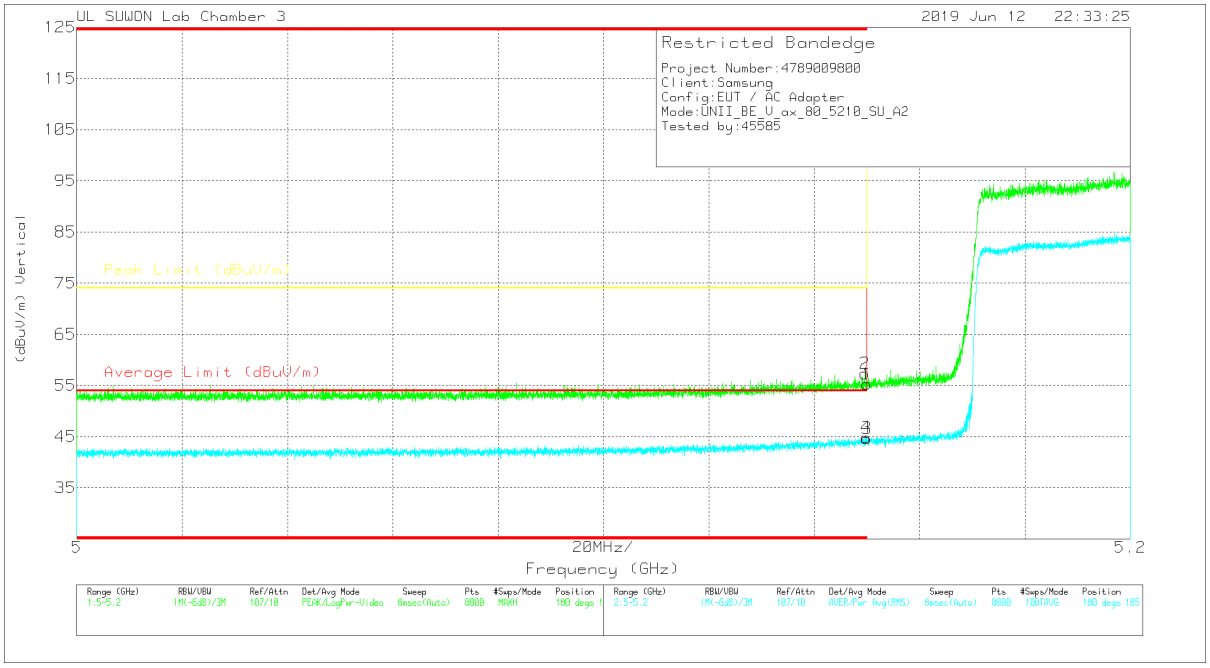
VERTICAL PEAK AND AVERAGE PLOT



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	180	105	V
2	* 5.15	41.93	Pk	34.4	-19	0	57.33	-	-	74	-16.67	180	105	V
3	* 5.15	29.66	RMS	34.4	-19.4	0	44.66	54	-9.34	-	-	180	105	V
4	* 5.15	29.88	RMS	34.4	-19.4	0	44.88	54	-9.12	-	-	180	105	V

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

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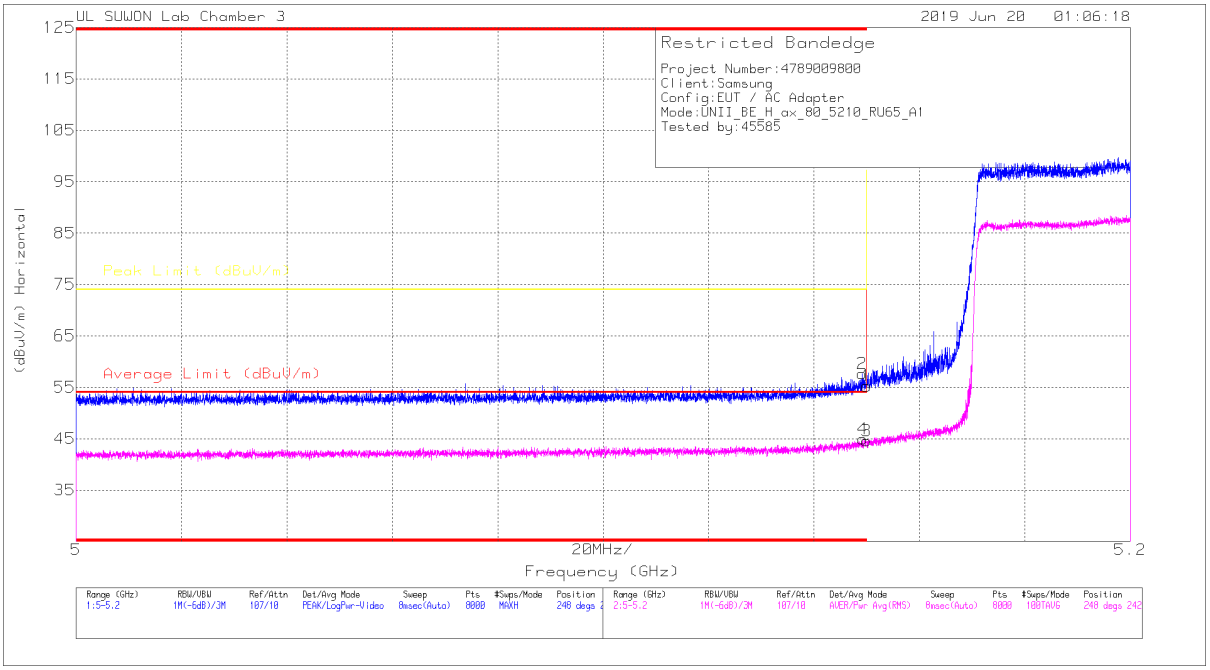
484T RU mode (ANT_1 / HE80 / RU offset 65)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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	39.89	Pk	34.4	-19	0	55.29	-	-	74	-18.71	248	242	H
2	* 5.149	42.23	Pk	34.4	-19	0	57.63	-	-	74	-16.37	248	242	H
3	* 5.15	29.56	RMS	34.4	-19.4	0	44.56	54	-9.44	-	-	248	242	H
4	* 5.149	29.93	RMS	34.4	-19.4	0	44.93	54	-9.07	-	-	248	242	H

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

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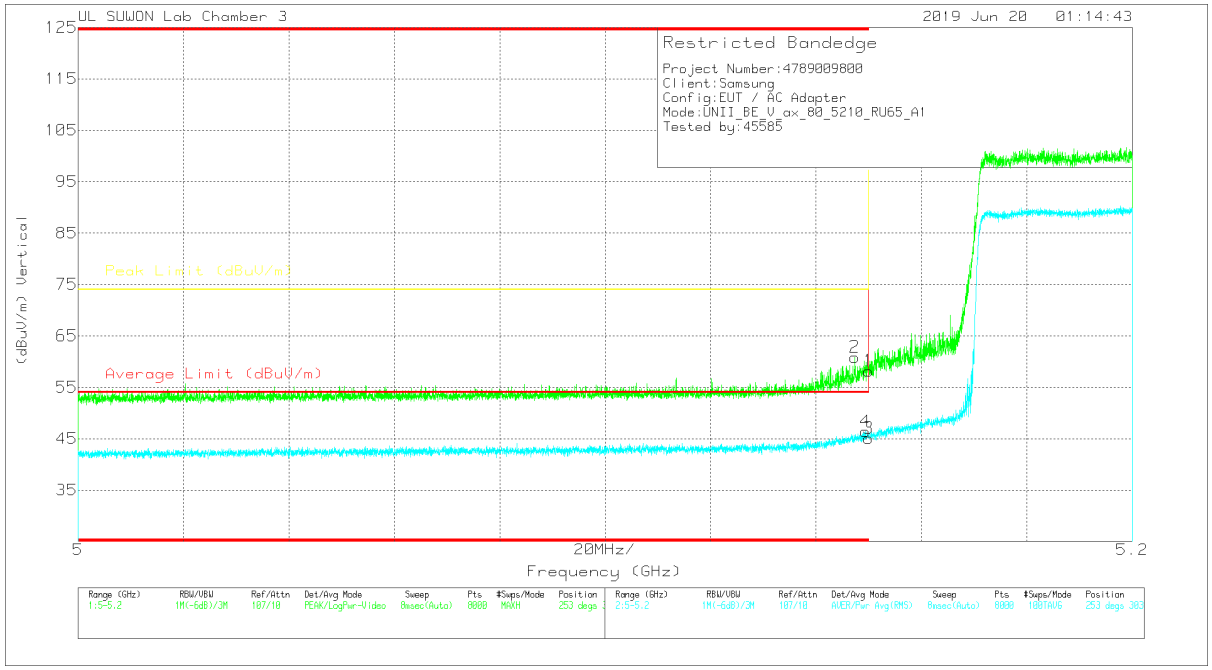
VERTICAL PEAK AND AVERAGE PLOT



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	42.79	Pk	34.4	-19	0	58.19	-	-	74	-15.81	253	303	V
2	* 5.147	45.56	Pk	34.4	-19.1	0	60.86	-	-	74	-13.14	253	303	V
3	* 5.15	30.1	RMS	34.4	-19.4	0	45.1	54	-8.9	-	-	253	303	V
4	* 5.149	31.43	RMS	34.4	-19.4	0	46.43	54	-7.57	-	-	253	303	V

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

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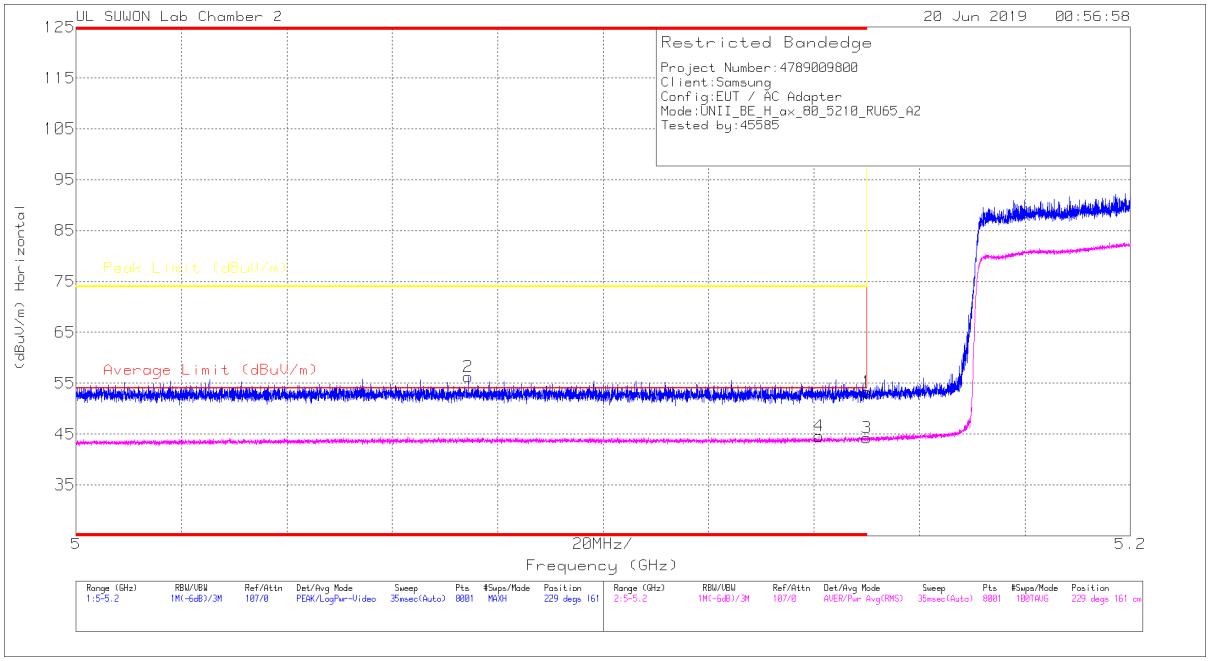
484T RU mode (ANT_2 / HE80 / RU offset 65)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	37.18	Pk	34.3	-18.2	0	53.28	-	-	74	-20.72	229	161	H
2	* 5.074	40.12	Pk	34.2	-18.1	0	56.22	-	-	74	-17.78	229	161	H
3	5.15	27.23	RMS	34.3	-17.3	0	44.23	54	-9.77	-	-	229	161	H
4	* 5.141	27.58	RMS	34.3	-17.3	0	44.58	54	-9.42	-	-	229	161	H

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

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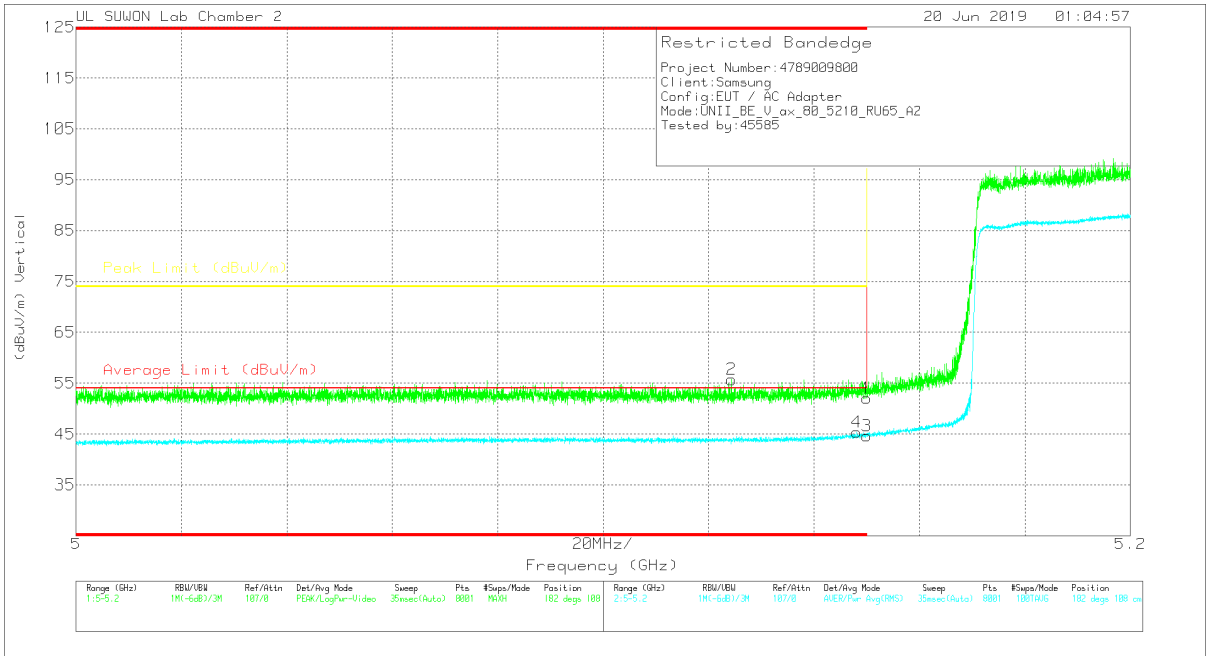
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	35.97	Pk	34.3	-18.2	0	52.07	-	-	74	-21.93	182	108	V
2	* 5.124	39.71	Pk	34.2	-18.2	0	55.71	-	-	74	-18.29	182	108	V
3	5.15	27.68	RMS	34.3	-17.3	0	44.68	54	-9.32	-	-	182	108	V
4	* 5.148	28.33	RMS	34.3	-17.3	0	45.33	54	-8.67	-	-	182	108	V

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

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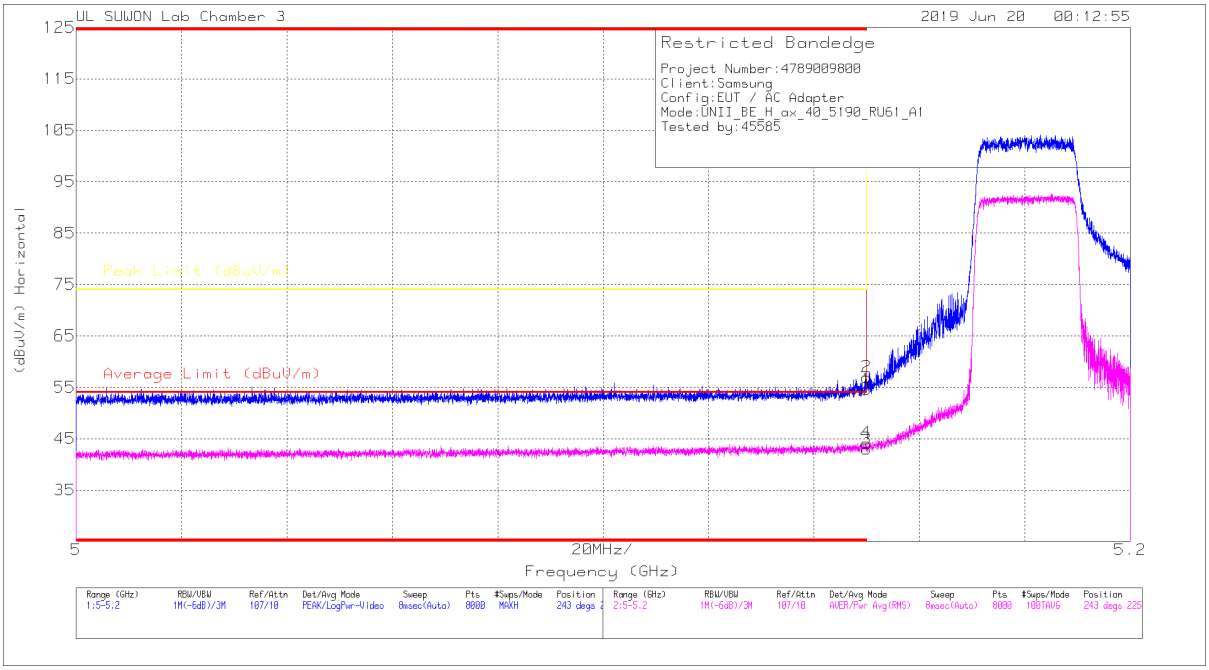
242T RU mode (ANT_1 / HE40 / RU offset 61)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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	39.17	Pk	34.4	-19	0	54.57	-	-	74	-19.43	243	225	H
2	* 5.15	41.58	Pk	34.4	-19	0	56.98	-	-	74	-17.02	243	225	H
3	* 5.15	28.01	RMS	34.4	-19.4	0	43.01	54	-10.99	-	-	243	225	H
4	* 5.15	29.11	RMS	34.4	-19.4	0	44.11	54	-9.89	-	-	243	225	H

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

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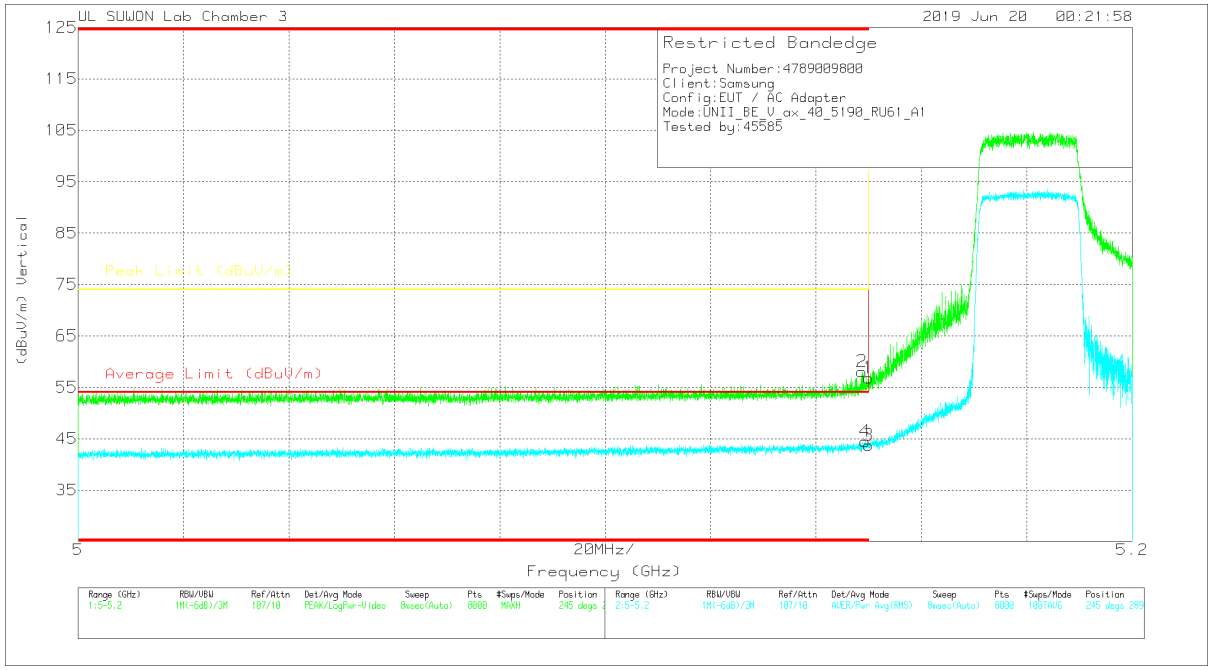
VERTICAL PEAK AND AVERAGE PLOT



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	41.43	Pk	34.4	-19	0	56.83	-	-	74	-17.17	245	289	V
2	* 5.149	42.75	Pk	34.4	-19.1	0	58.05	-	-	74	-15.95	245	289	V
3	* 5.15	28.75	RMS	34.4	-19.4	0	43.75	54	-10.25	-	-	245	289	V
4	* 5.149	29.48	RMS	34.4	-19.4	0	44.48	54	-9.52	-	-	245	289	V

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

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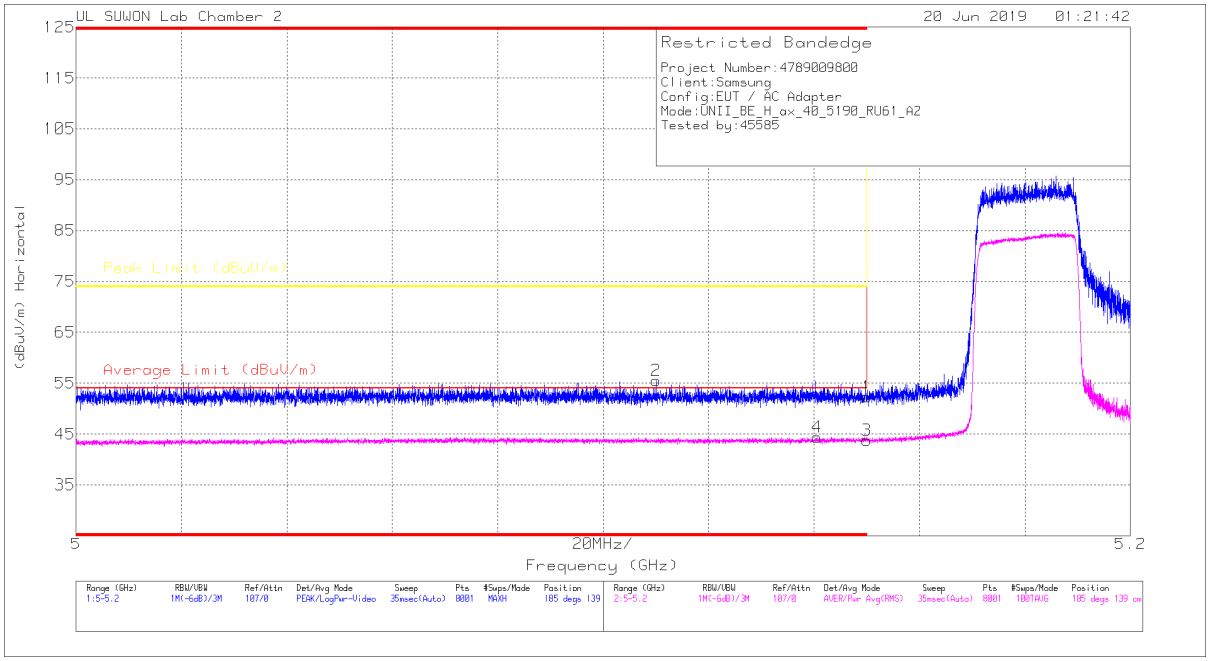
242T RU mode (ANT_2 / HE40 / RU offset 61)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	36.26	Pk	34.3	-18.2	0	52.36	-	-	74	-21.64	185	139	H
2	* 5.11	39.52	Pk	34.2	-18.2	0	55.52	-	-	74	-18.48	185	139	H
3	5.15	26.75	RMS	34.3	-17.3	0	43.75	54	-10.25	-	-	185	139	H
4	* 5.141	27.44	RMS	34.3	-17.3	0	44.44	54	-9.56	-	-	185	139	H

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

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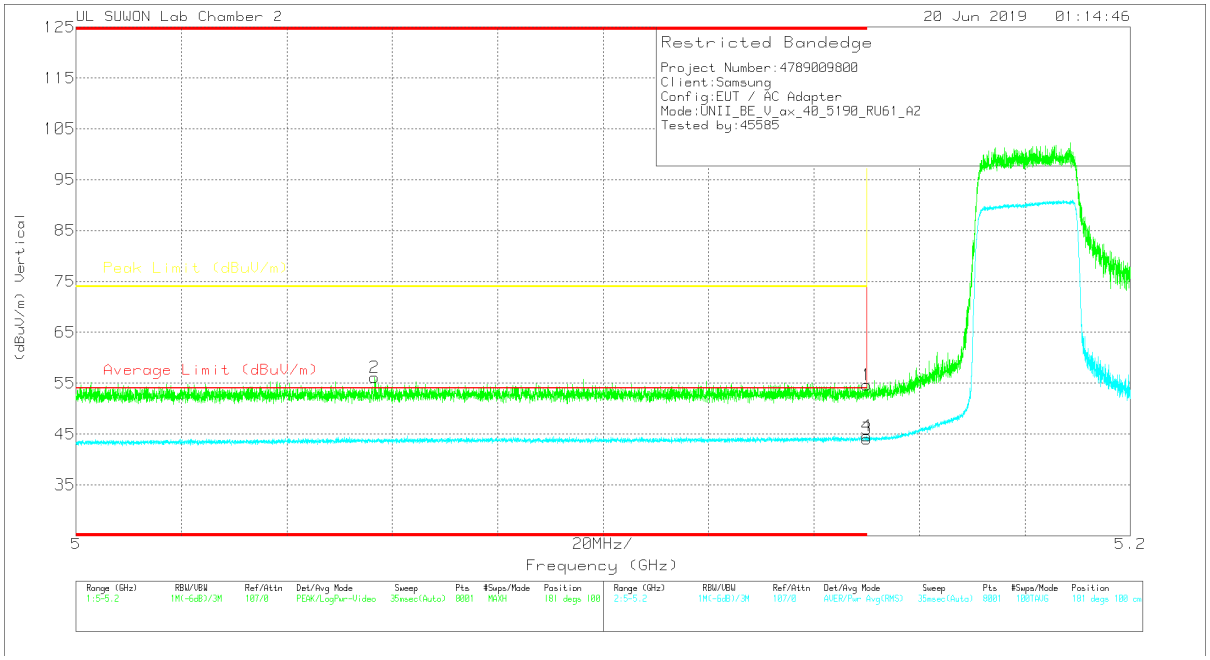
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	38.54	Pk	34.3	-18.2	0	54.64	-	-	74	-19.36	181	100	V
2	* 5.057	40.07	Pk	34.2	-18.1	0	56.17	-	-	74	-17.83	181	100	V
3	5.15	27.08	RMS	34.3	-17.3	0	44.08	54	-9.92	-	-	181	100	V
4	* 5.15	27.6	RMS	34.3	-17.3	0	44.6	54	-9.4	-	-	181	100	V

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

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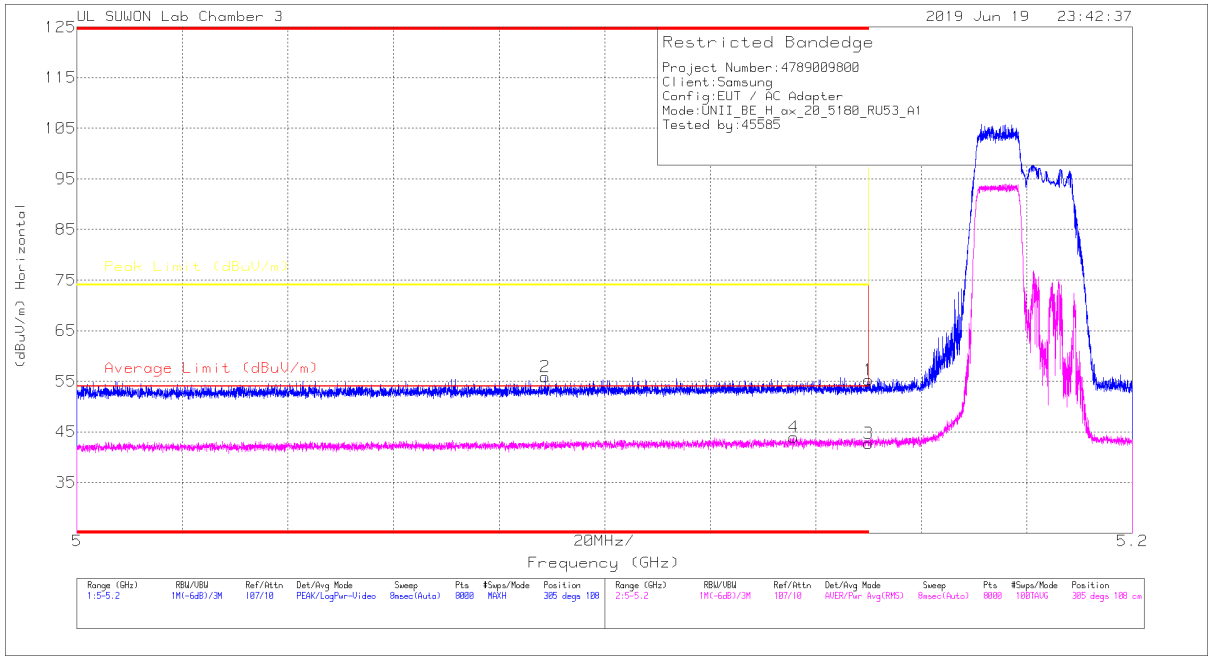
106T RU mode (ANT_1 / HE20 / RU offset 53)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_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	39.91	Pk	34.4	-19	0	55.31	-	-	74	-18.69	305	108	H
2	* 5.089	40.63	Pk	34.3	-19.1	0	55.83	-	-	74	-18.17	305	108	H
3	* 5.15	27.76	RMS	34.4	-19.4	0	42.76	54	-11.24	-	-	305	108	H
4	* 5.136	28.99	RMS	34.4	-19.4	0	43.99	54	-10.01	-	-	305	108	H

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

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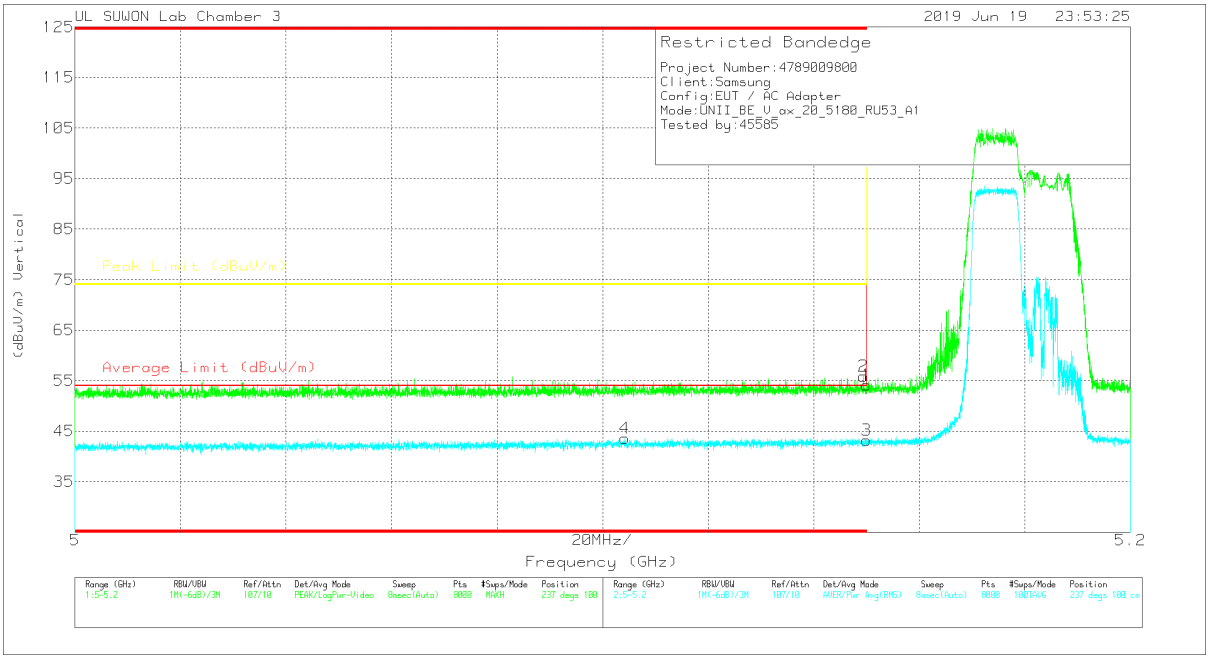
VERTICAL PEAK AND AVERAGE PLOT



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	38.72	Pk	34.4	-19	0	54.12	-	-	74	-19.88	237	100	V
2	* 5.149	40.52	Pk	34.4	-19	0	55.92	-	-	74	-18.08	237	100	V
3	* 5.15	28.25	RMS	34.4	-19.4	0	43.25	54	-10.75	-	-	237	100	V
4	* 5.104	28.7	RMS	34.4	-19.5	0	43.6	54	-10.4	-	-	237	100	V

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

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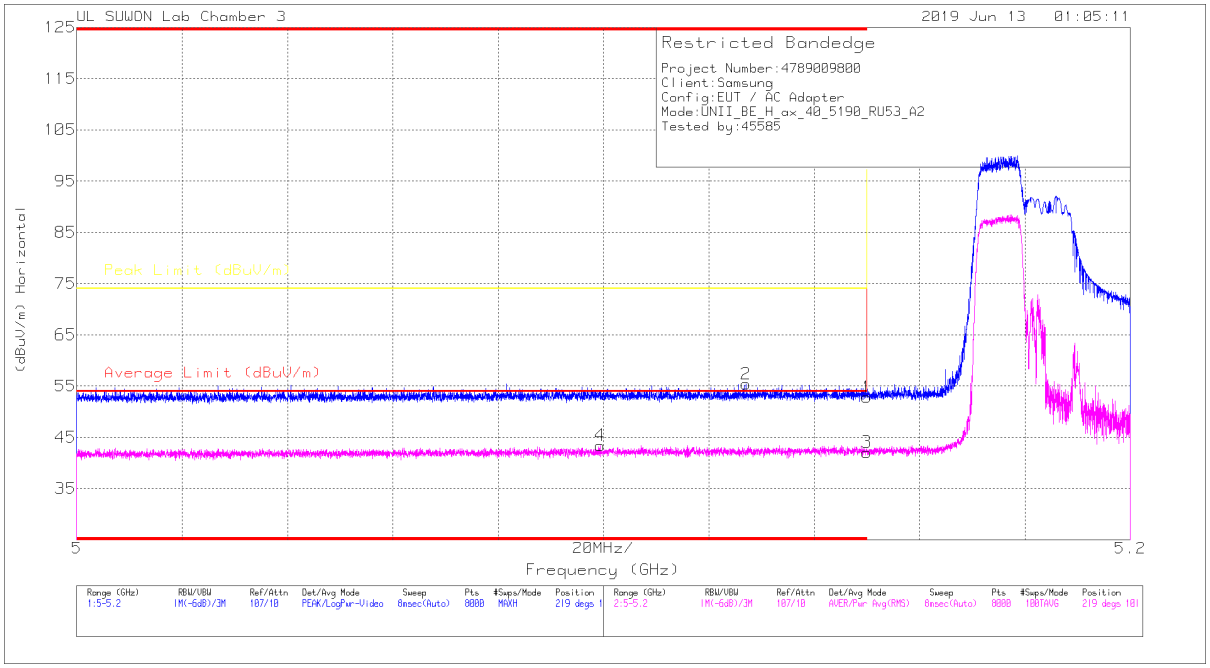
106T RU mode (ANT_2 / HE40 / RU offset 53)

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	37.41	Pk	34.4	-19	0	52.81	-	-	74	-21.19	219	101	H
2	* 5.127	40.1	Pk	34.4	-19.1	0	55.4	-	-	74	-18.6	219	101	H
3	* 5.15	27.08	RMS	34.4	-19.4	0	42.08	54	-11.92	-	-	219	101	H
4	* 5.099	28.53	RMS	34.4	-19.5	0	43.43	54	-10.57	-	-	219	101	H

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

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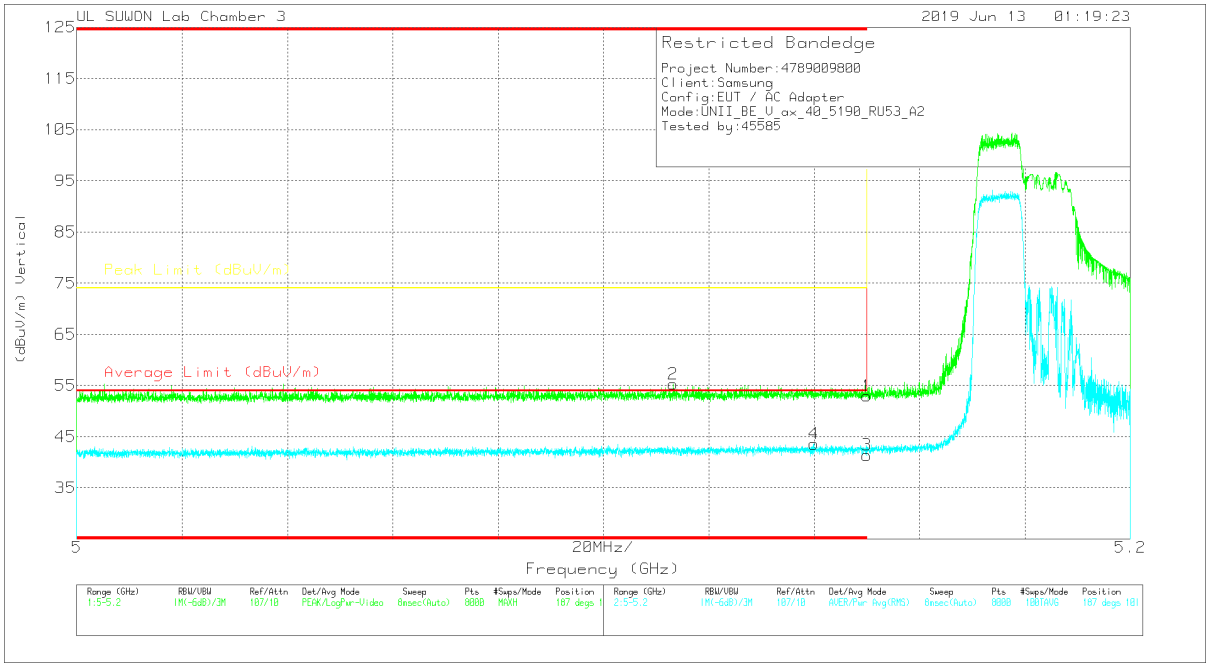
VERTICAL PEAK AND AVERAGE PLOT



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	37.52	Pk	34.4	-19	0	52.92	-	-	74	-21.08	187	101	V
2	* 5.113	40	Pk	34.4	-19.1	0	55.3	-	-	74	-18.7	187	101	V
3	* 5.15	26.37	RMS	34.4	-19.4	0	41.37	54	-12.63	-	-	187	101	V
4	* 5.14	28.59	RMS	34.4	-19.4	0	43.59	54	-10.41	-	-	187	101	V

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

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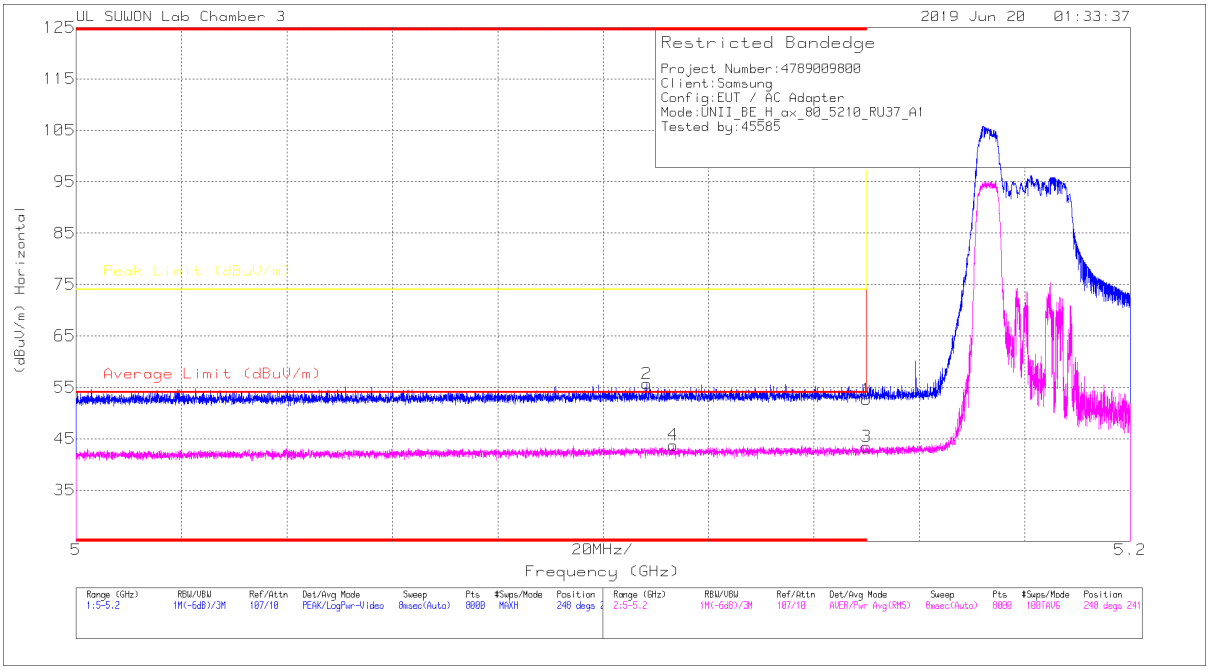
52T RU mode (ANT_1 / HE80 / RU offset 37)

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	37.26	Pk	34.4	-19	0	52.66	-	-	74	-21.34	248	241	H
2	* 5.108	40.4	Pk	34.4	-19.1	0	55.7	-	-	74	-18.3	248	241	H
3	* 5.15	28.44	RMS	34.4	-19.4	0	43.44	54	-10.56	-	-	248	241	H
4	* 5.113	28.87	RMS	34.4	-19.5	0	43.77	54	-10.23	-	-	248	241	H

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

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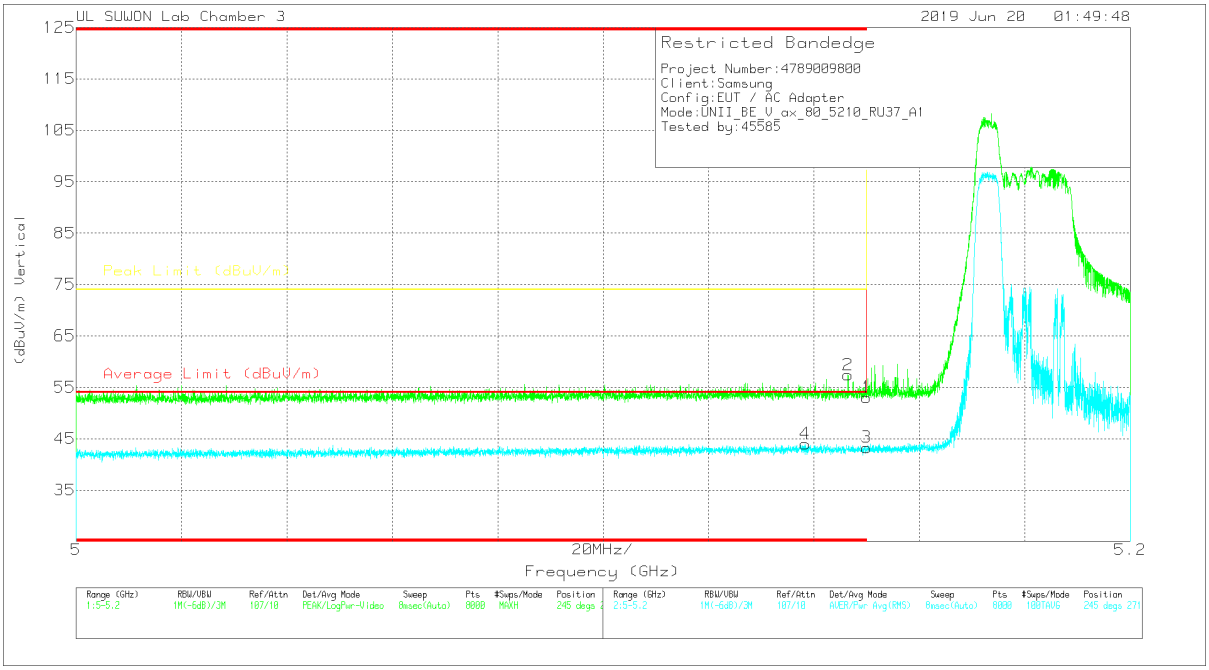
VERTICAL PEAK AND AVERAGE PLOT



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	37.63	Pk	34.4	-19	0	53.03	-	-	74	-20.97	245	271	V
2	* 5.146	42.08	Pk	34.4	-19.1	0	57.38	-	-	74	-16.62	245	271	V
3	* 5.15	28.3	RMS	34.4	-19.4	0	43.3	54	-10.7	-	-	245	271	V
4	* 5.138	29	RMS	34.4	-19.4	0	44	54	-10	-	-	245	271	V

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

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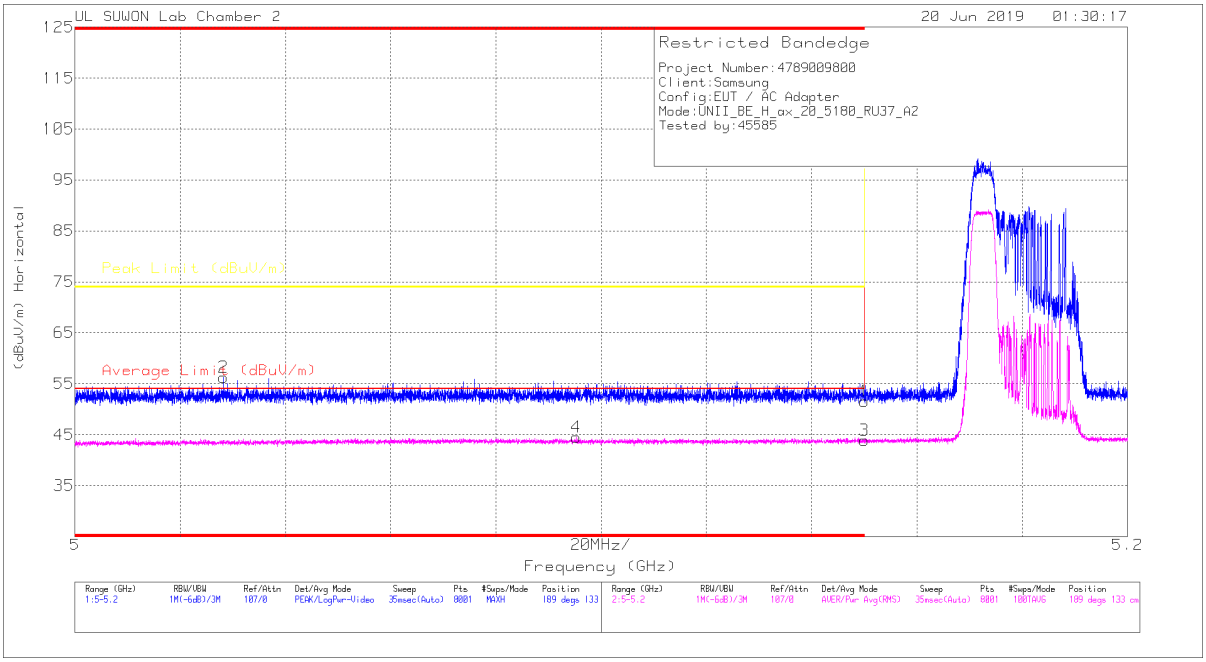
52T RU mode (ANT_2 / HE20 / RU offset 37)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	35.43	Pk	34.3	-18.2	0	51.53	-	-	74	-22.47	189	133	H
2	* 5.028	40.26	Pk	34.1	-18.1	0	56.26	-	-	74	-17.74	189	133	H
3	5.15	26.89	RMS	34.3	-17.3	0	43.89	54	-10.11	-	-	189	133	H
4	* 5.095	27.68	RMS	34.2	-17.4	0	44.48	54	-9.52	-	-	189	133	H

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

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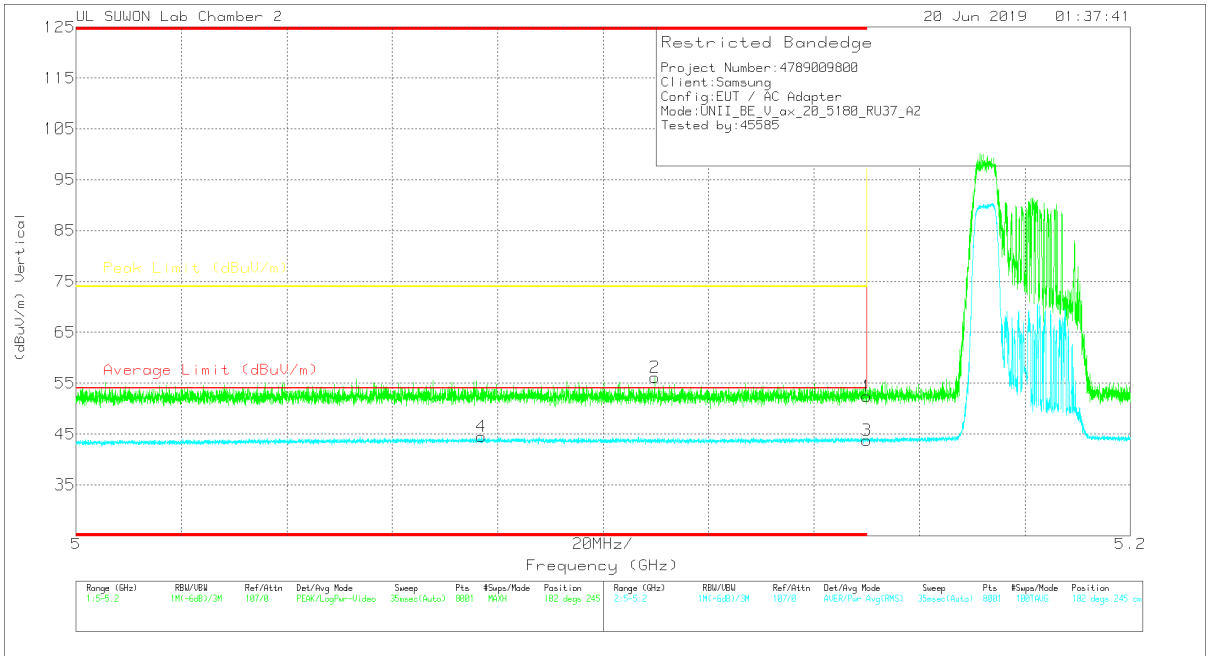
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	36.36	Pk	34.3	-18.2	0	52.46	-	-	74	-21.54	182	245	V
2	* 5.11	40.1	Pk	34.2	-18.2	0	56.1	-	-	74	-17.9	182	245	V
3	5.15	26.82	RMS	34.3	-17.3	0	43.82	54	-10.18	-	-	182	245	V
4	* 5.077	27.77	RMS	34.2	-17.4	0	44.57	54	-9.43	-	-	182	245	V

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

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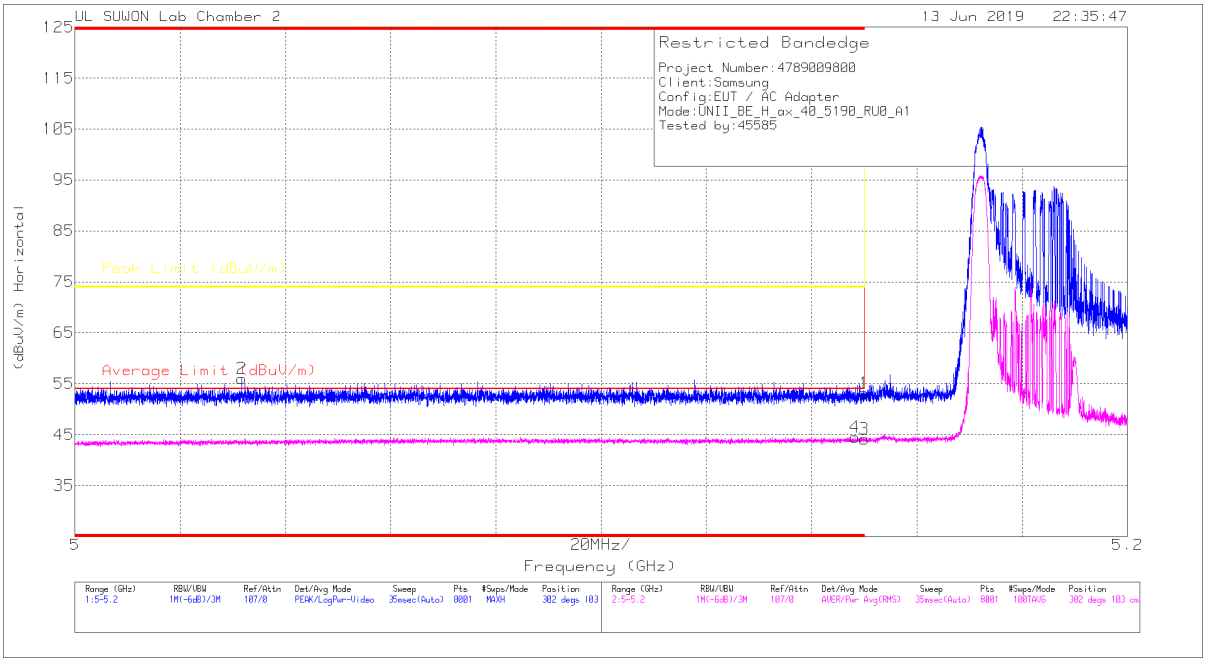
26T RU mode (ANT_1 / HE40 / RU offset 0)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	37.07	Pk	34.3	-18.2	0	53.17	-	-	74	-20.83	302	103	H
2	* 5.032	40.06	Pk	34.1	-18.1	0	56.06	-	-	74	-17.94	302	103	H
3	5.15	27.12	RMS	34.3	-17.3	0	44.12	54	-9.88	-	-	302	103	H
4	* 5.148	27.49	RMS	34.3	-17.3	0	44.49	54	-9.51	-	-	302	103	H

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

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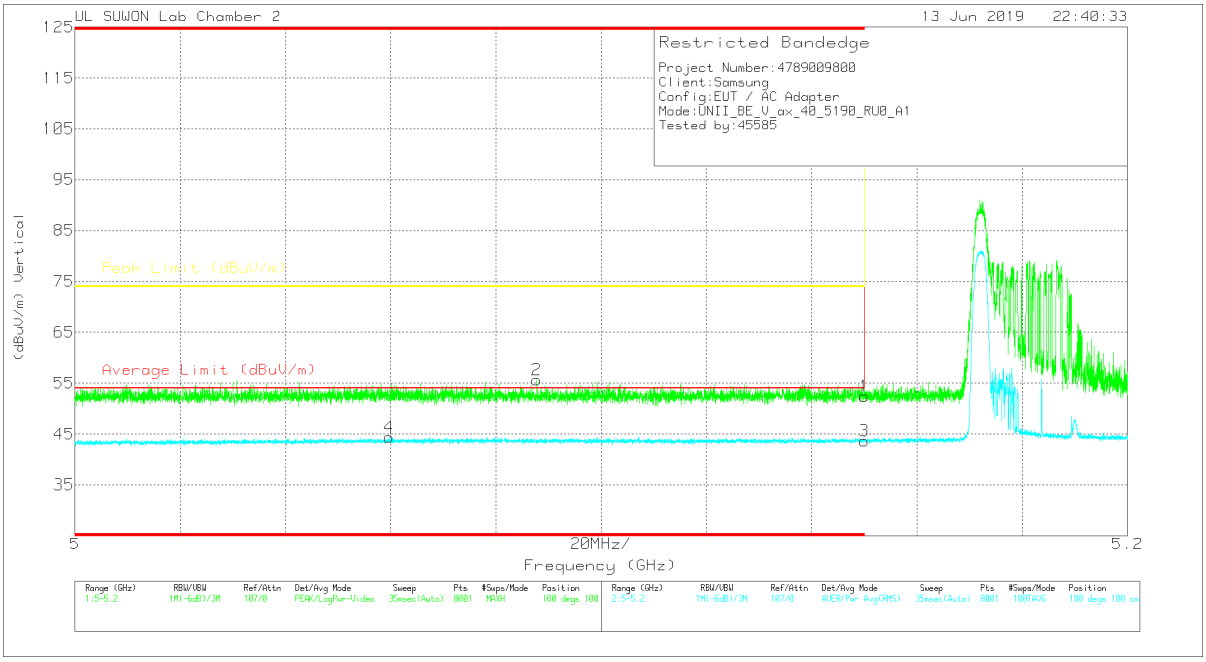
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	36.35	Pk	34.3	-18.2	0	52.45	-	-	74	-21.55	180	100	V
2	* 5.088	39.64	Pk	34.2	-18.2	0	55.64	-	-	74	-18.36	180	100	V
3	5.15	26.65	RMS	34.3	-17.3	0	43.65	54	-10.35	-	-	180	100	V
4	* 5.06	27.62	RMS	34.2	-17.4	0	44.42	54	-9.58	-	-	180	100	V

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

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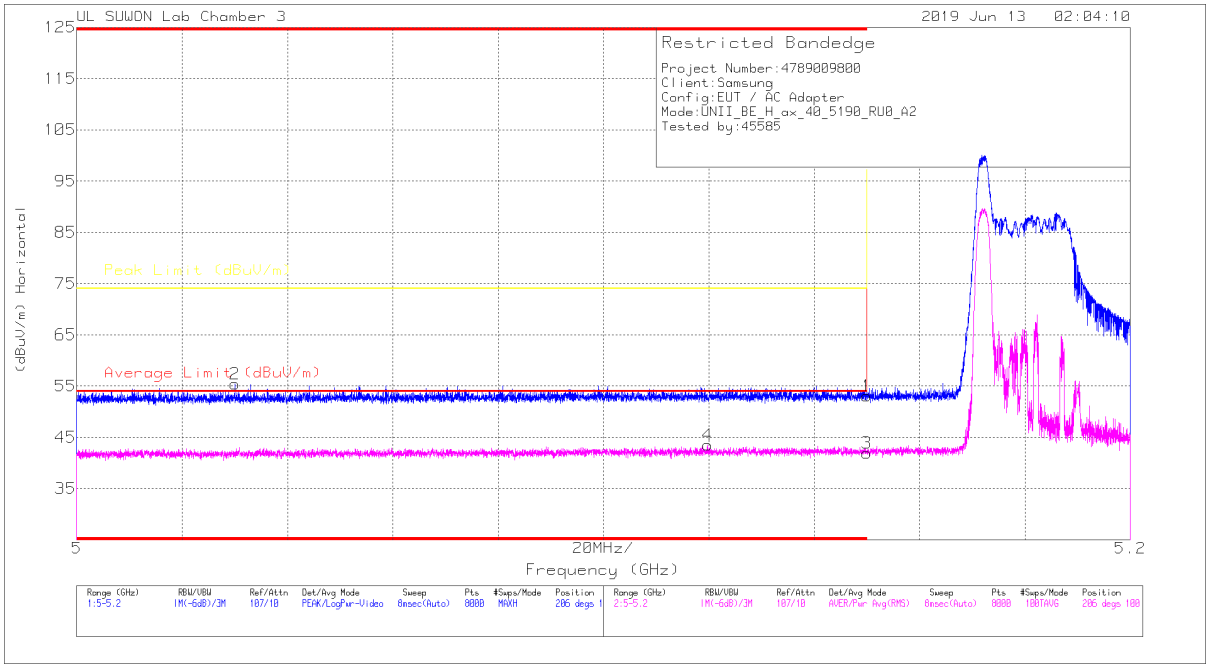
26T RU mode (ANT_2 / HE40 / RU offset 0)

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	37.68	Pk	34.4	-19	0	53.08	-	-	74	-20.92	206	100	H
2	* 5.03	40.29	Pk	34.3	-19.2	0	55.39	-	-	74	-18.61	206	100	H
3	* 5.15	26.89	RMS	34.4	-19.4	0	41.89	54	-12.11	-	-	206	100	H
4	* 5.12	28.6	RMS	34.4	-19.5	0	43.5	54	-10.5	-	-	206	100	H

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

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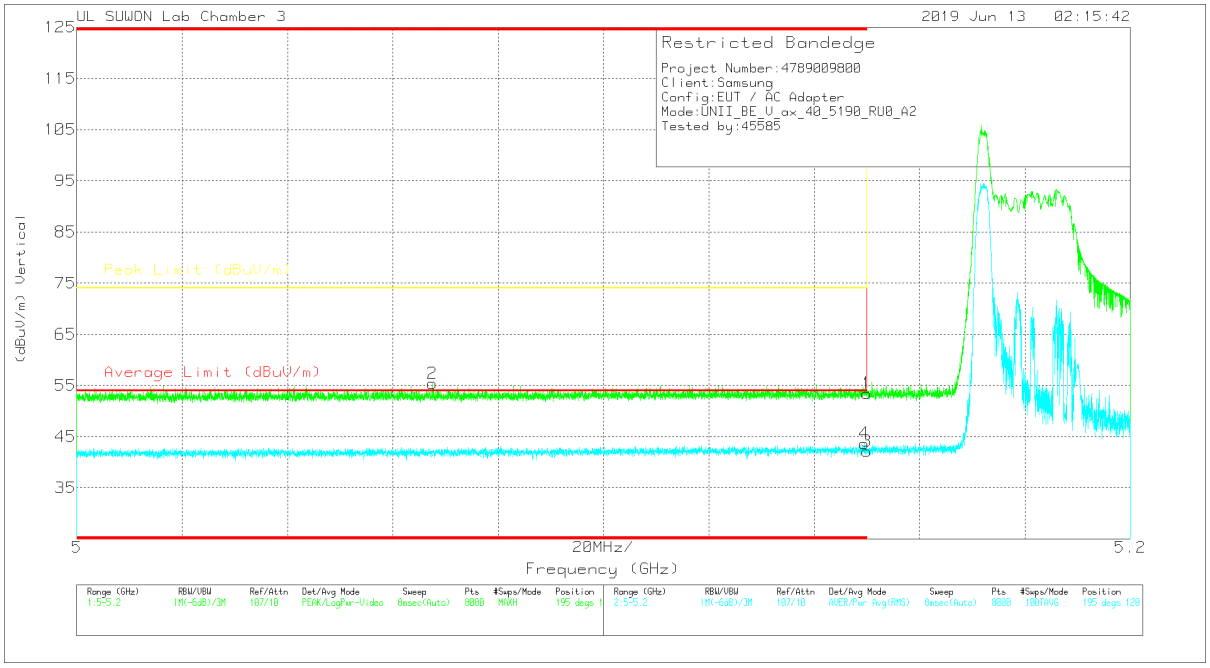
VERTICAL PEAK AND AVERAGE PLOT



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	38.07	Pk	34.4	-19	0	53.47	-	-	74	-20.53	195	120	V
2	* 5.068	40.19	Pk	34.3	-19.1	0	55.39	-	-	74	-18.61	195	120	V
3	* 5.15	27.16	RMS	34.4	-19.4	0	42.16	54	-11.84	-	-	195	120	V
4	* 5.15	28.67	RMS	34.4	-19.4	0	43.67	54	-10.33	-	-	195	120	V

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

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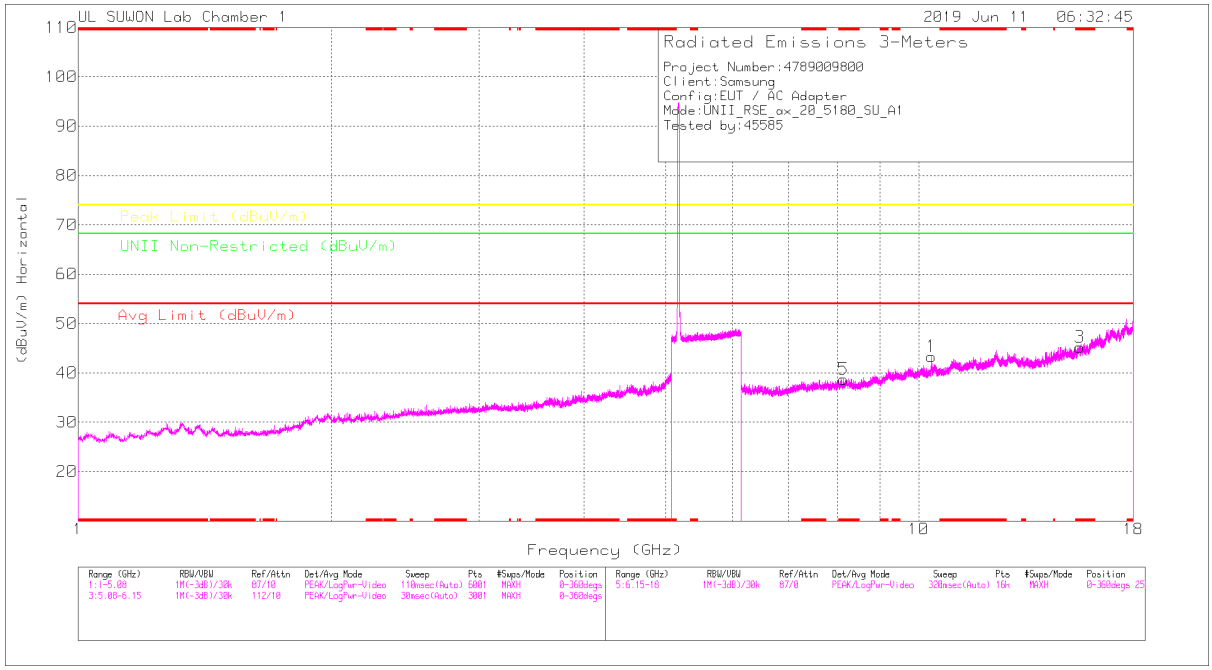
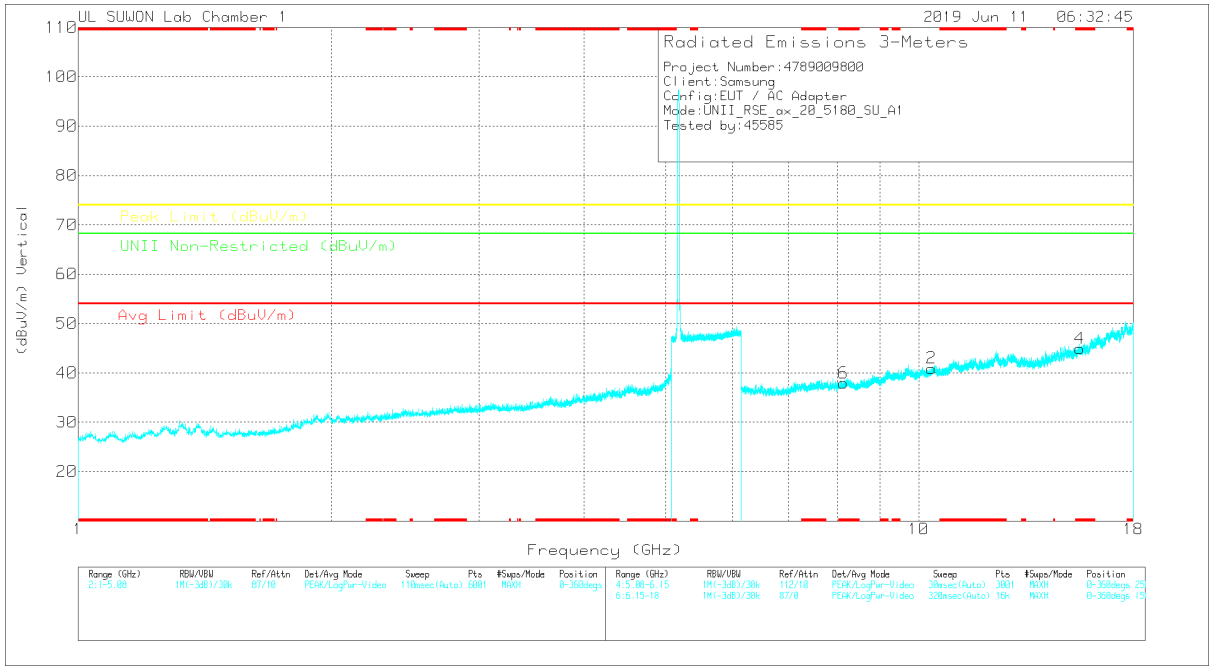
HARMONICS AND SPURIOUS EMISSIONS

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.

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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)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.35945	28.01	PK	37.6	-22.3	0	43.31	-	-	-	-	68.2	-24.89	0-360	250	H
3	* 15.5398	25.74	PK	40.2	-20.7	0	45.24	-	-	74	-28.76	-	-	0-360	250	H
5	* 8.13697	28.84	PK	36.3	-26.4	0	38.74	-	-	74	-35.26	-	-	0-360	250	H
2	10.35871	25.63	PK	37.6	-22.3	0	40.93	-	-	-	-	68.2	-27.27	0-360	150	V
4	* 15.54054	25.55	PK	40.2	-20.8	0	44.95	-	-	74	-29.05	-	-	0-360	150	V
6	* 8.14142	28.04	PK	36.3	-26.4	0	37.94	-	-	74	-36.06	-	-	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)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.35856	41.14	PK-U	37.6	-22.3	0	56.44	-	-	-	-	68.2	-11.76	144	178	H
10.35651	37.64	PK-U	37.6	-22.4	0	52.84	-	-	-	-	68.2	-15.36	175	163	V

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

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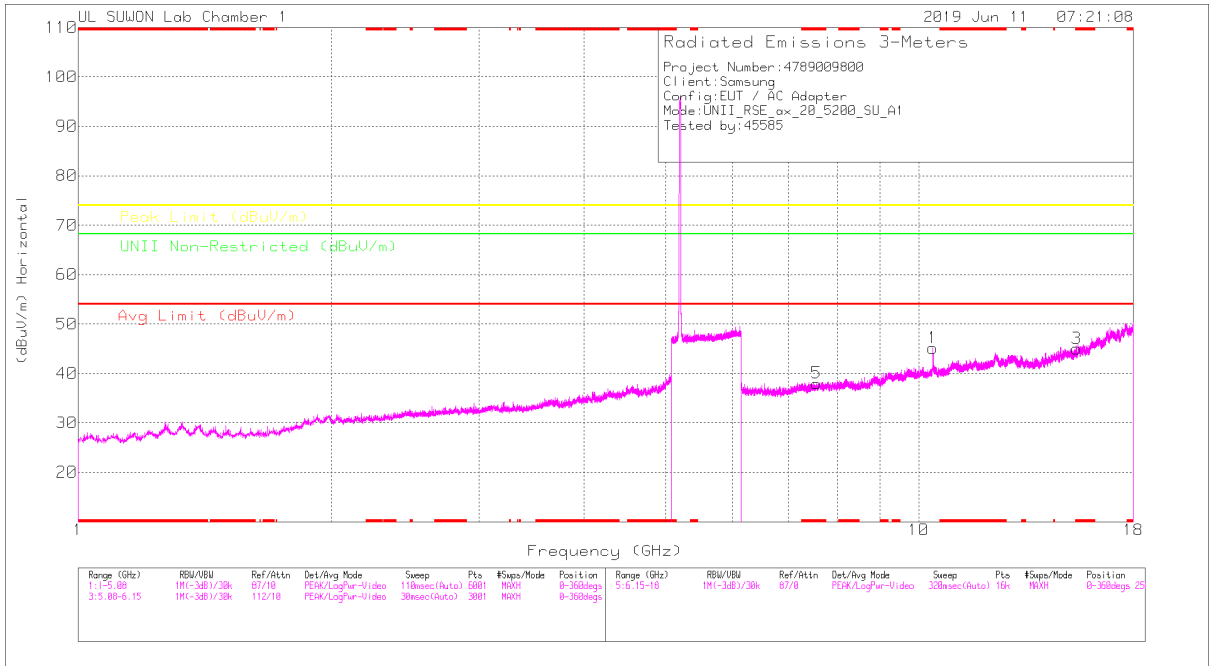
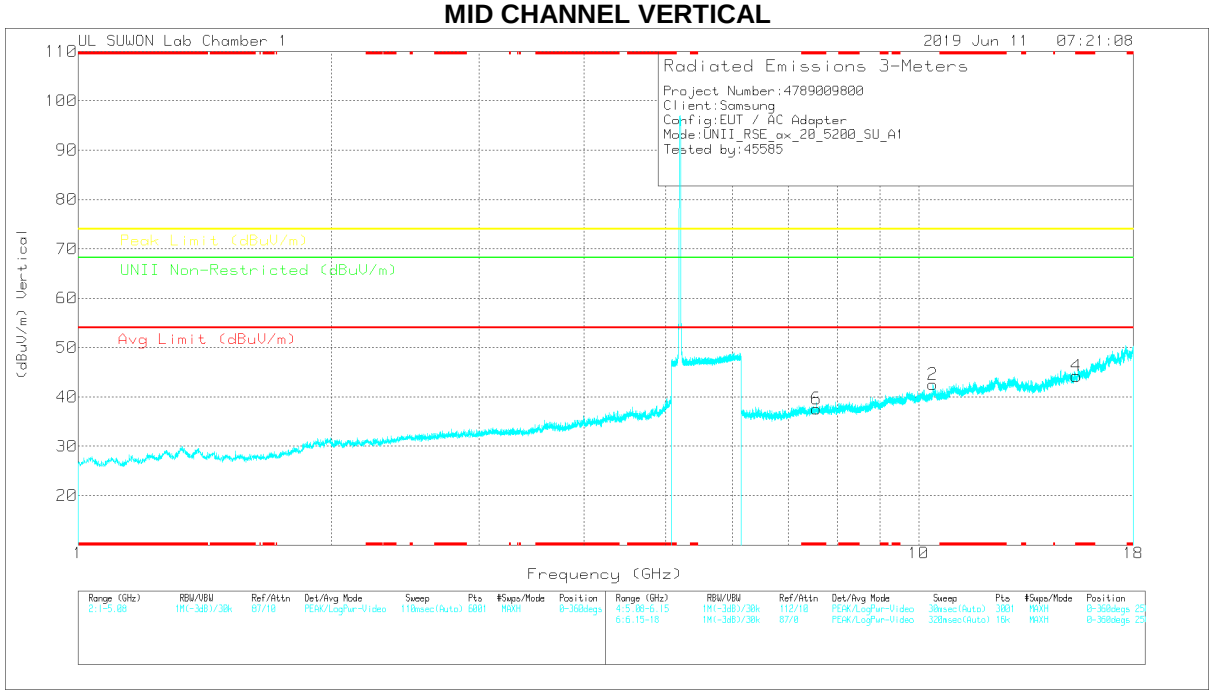
MID CHANNEL HORIZONTAL



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.

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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	10.39648	29.45	PK	37.6	-21.9	0	45.15	-	-	-	-	68.2	-23.05	0-360	150	H
3	* 15.40576	26.02	PK	40.1	-21.1	0	45.02	-	-	74	-28.98	-	-	0-360	150	H
5	* 7.55488	28.7	PK	35.8	-26.5	0	38	-	-	74	-36	-	-	0-360	250	H
2	10.39796	26.74	PK	37.6	-21.8	0	42.54	-	-	-	-	68.2	-25.66	0-360	150	V
4	* 15.40131	25.26	PK	40.1	-21.1	0	44.26	-	-	74	-29.74	-	-	0-360	250	V
6	* 7.55636	28.28	PK	35.8	-26.5	0	37.58	-	-	74	-36.42	-	-	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
10.3993	41.58	PK-U	37.6	-21.8	0	57.38	-	-	-	-	68.2	-10.82	143	181	H
10.39064	37.88	PK-U	37.6	-22	0	53.48	-	-	-	-	68.2	-14.72	195	171	V

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

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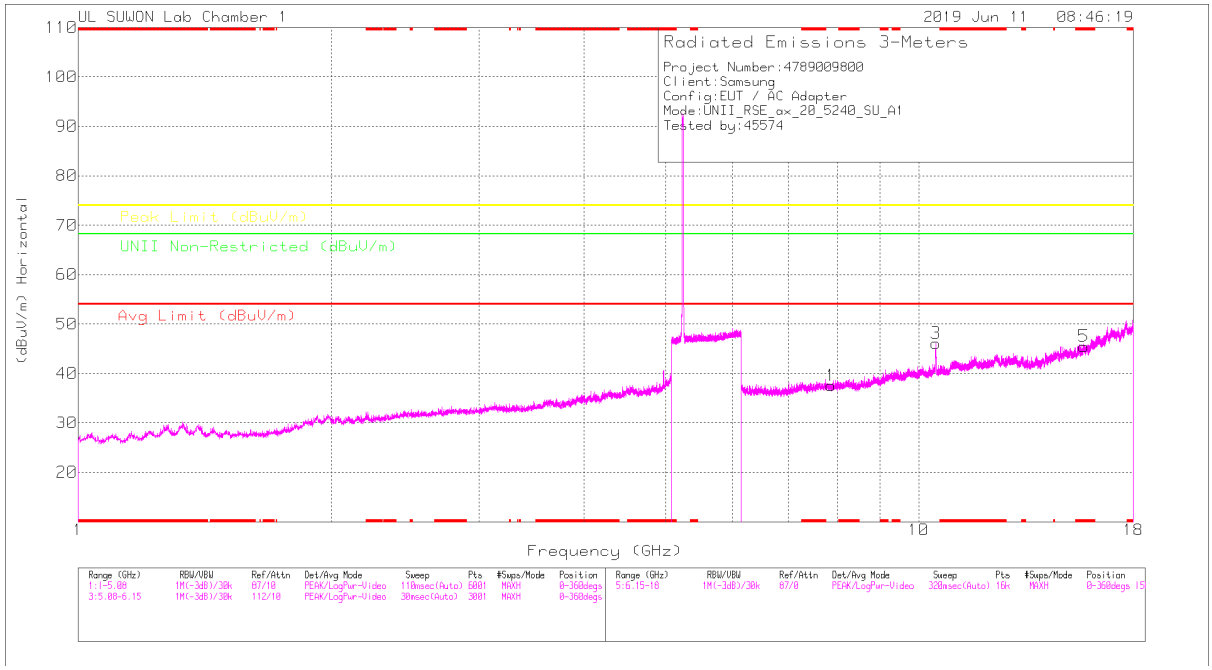
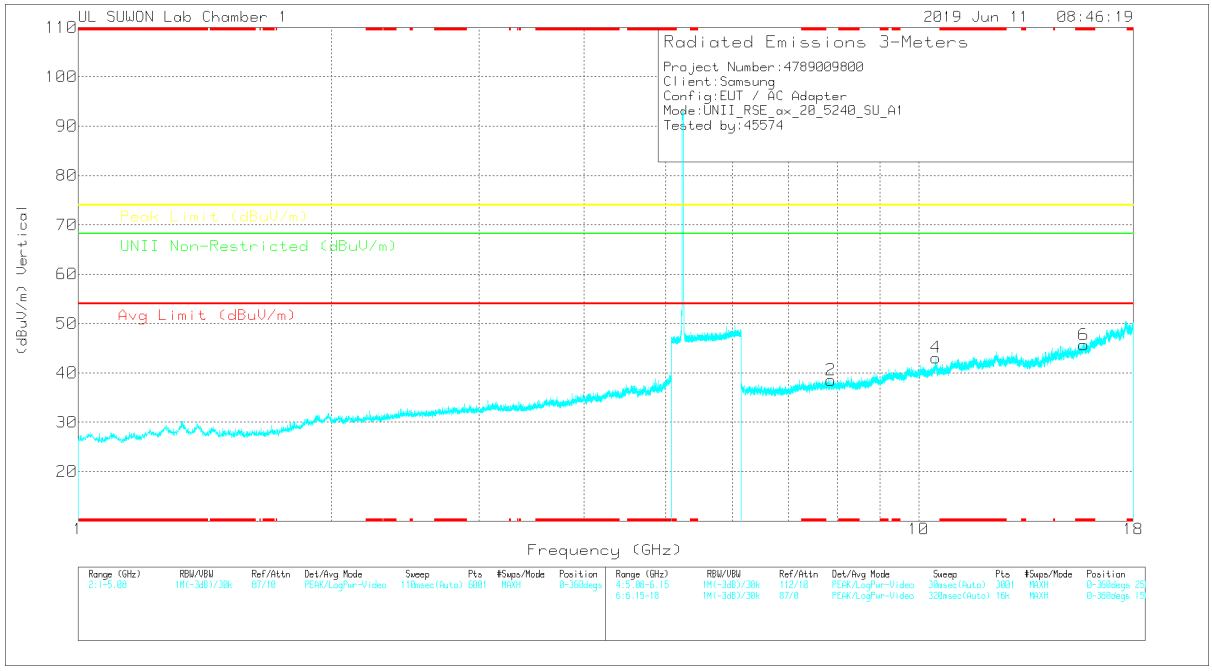
HIGH CHANNEL HORIZONTAL



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.

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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	7.86	28.36	PK	35.9	-26.7	0	37.56	-	-	-	-	68.2	-30.64	0-360	250	H
3	10.48239	30.21	PK	37.7	-21.8	0	46.11	-	-	-	-	68.2	-22.09	0-360	250	H
5	* 15.72124	26.07	PK	40.4	-21	0	45.47	-	-	74	-28.53	-	-	0-360	250	H
2	7.86148	29.33	PK	35.9	-26.7	0	38.53	-	-	-	-	68.2	-29.67	0-360	150	V
4	10.47868	27.19	PK	37.7	-21.8	0	43.09	-	-	-	-	68.2	-25.11	0-360	150	V
6	* 15.71976	26.3	PK	40.4	-21	0	45.7	-	-	74	-28.3	-	-	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)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
10.47766	42.29	PK-U	37.7	-21.8	0	58.19	-	-	-	-	68.2	-10.01	143	186	H
10.47994	38.43	PK-U	37.7	-21.8	0	54.33	-	-	-	-	68.2	-13.87	178	162	V

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

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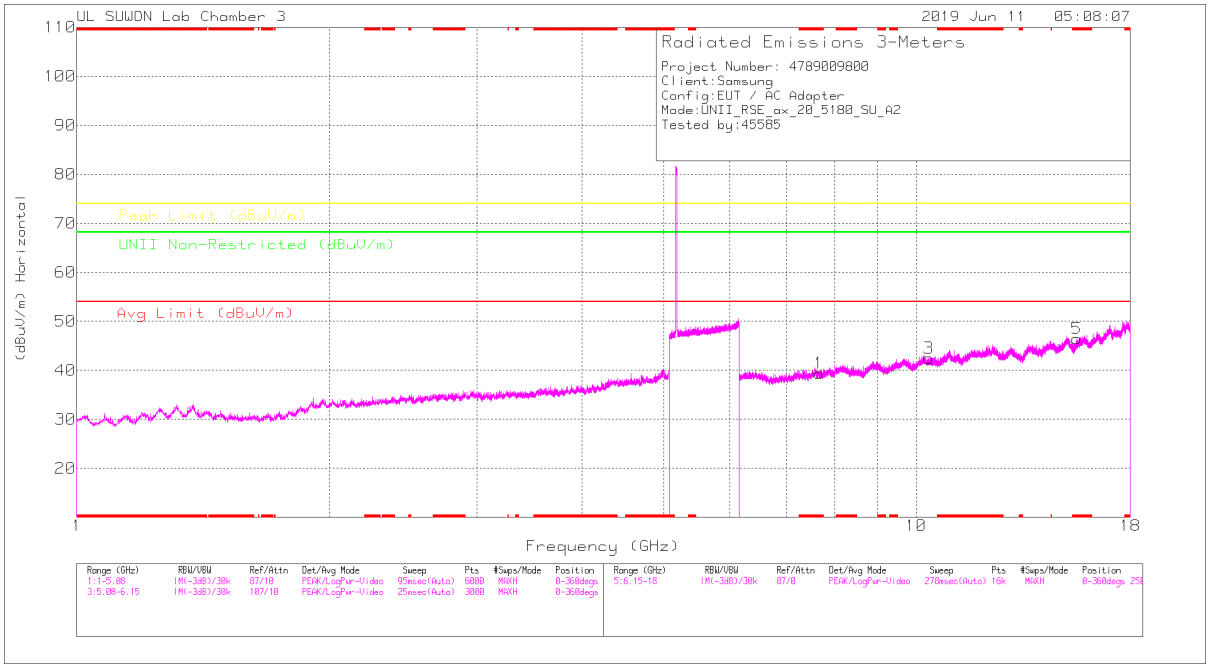
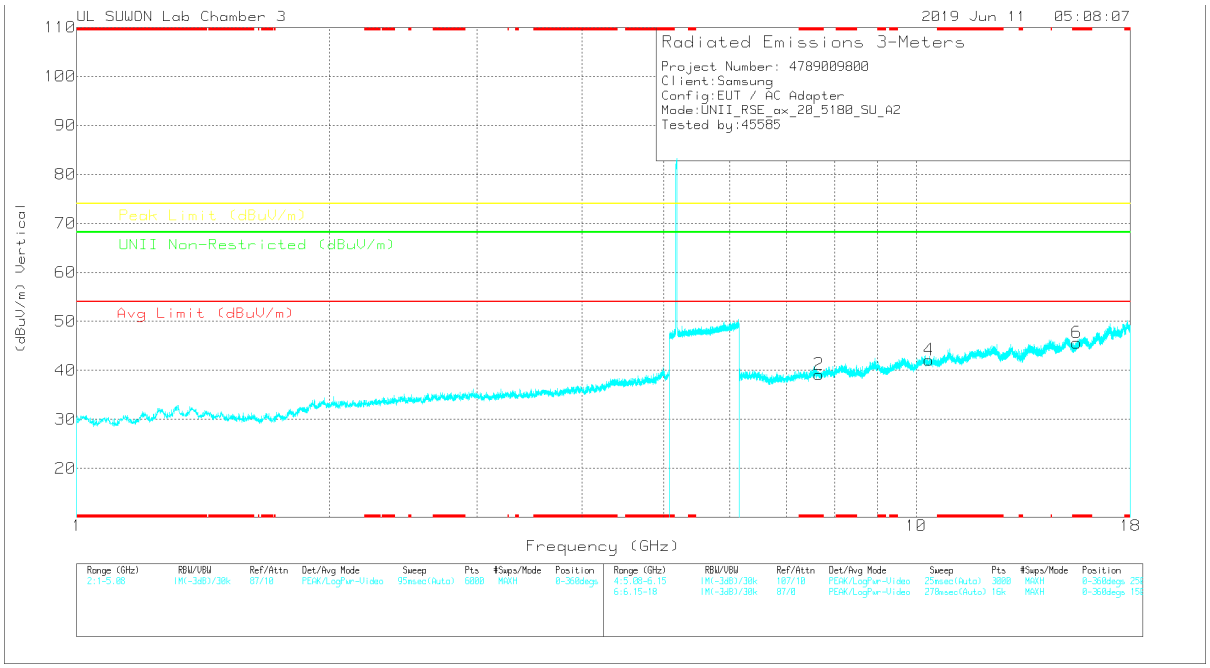
HE20 SU mode (ANT_2)

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.

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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	* 7.656	26.62	PK	35.8	-23	0	39.42	-	-	74	-34.58	-	-	0-360	150	H
3	10.35	24.09	PK	37.6	-19.2	0	42.49	-	-	-	-	68.2	-25.71	0-360	250	H
5	* 15.54	25.88	PK	40.2	-19.6	0	46.48	-	-	74	-27.52	-	-	0-360	150	H
2	* 7.665	26.68	PK	35.8	-23.3	0	39.18	-	-	74	-34.82	-	-	0-360	250	V
4	10.355	23.84	PK	37.6	-19.3	0	42.14	-	-	-	-	68.2	-26.06	0-360	250	V
6	* 15.542	25.04	PK	40.2	-19.6	0	45.64	-	-	74	-28.36	-	-	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).

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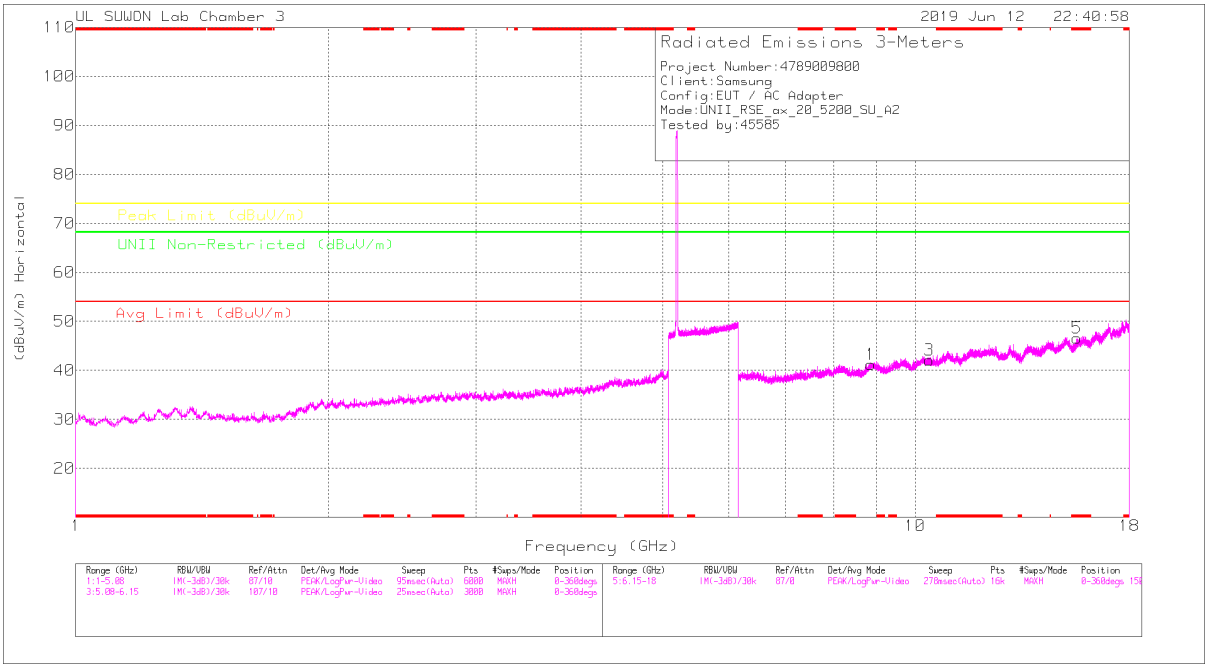
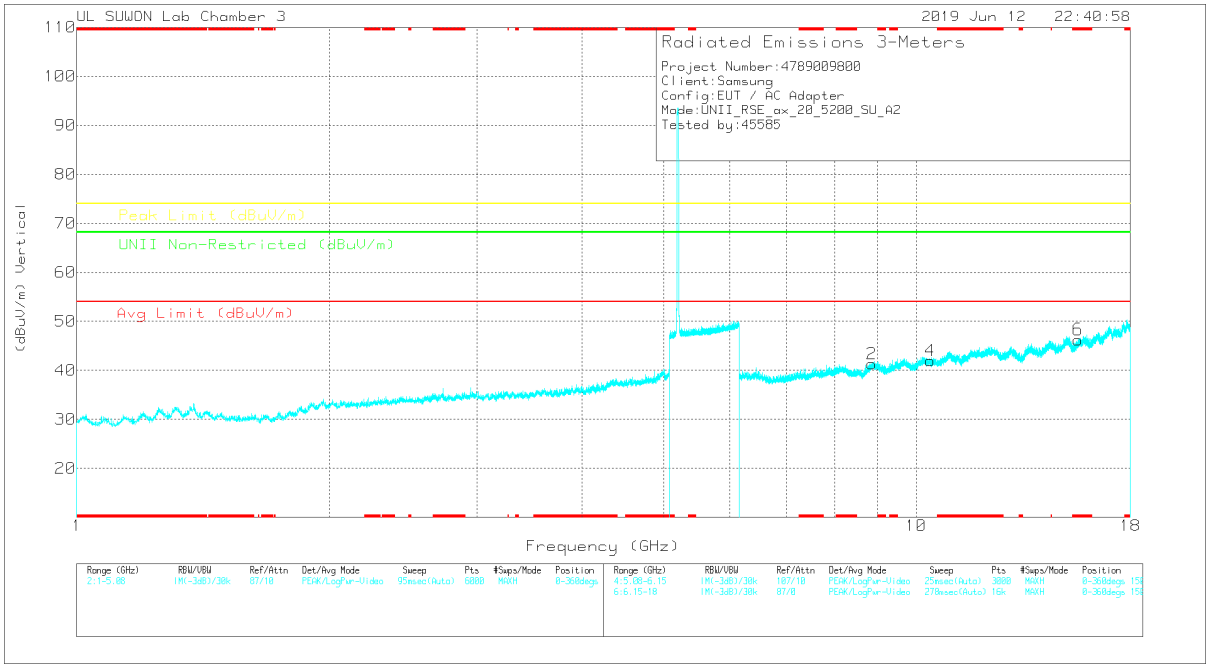
MID CHANNEL HORIZONTAL



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.

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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	8.852	25.5	PK	36.5	-20.8	0	41.2	-	-	-	-	68.2	-27	0-360	250	H
3	10.4	23.79	PK	37.6	-19.3	0	42.09	-	-	-	-	68.2	-26.11	0-360	250	H
5	* 15.593	25.96	PK	40.2	-19.6	0	46.56	-	-	74	-27.44	-	-	0-360	150	H
2	8.858	25.63	PK	36.5	-20.8	0	41.33	-	-	-	-	68.2	-26.87	0-360	250	V
4	10.402	23.65	PK	37.6	-19.3	0	41.95	-	-	-	-	68.2	-26.25	0-360	150	V
6	* 15.599	25.55	PK	40.2	-19.5	0	46.25	-	-	74	-27.75	-	-	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).

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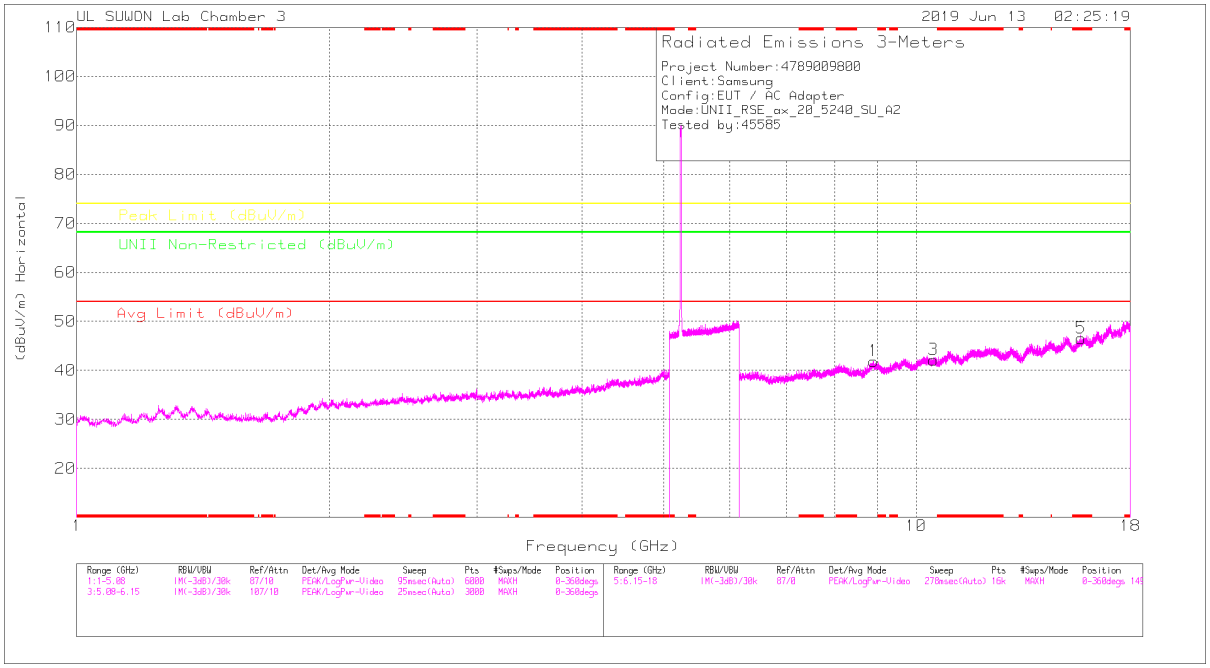
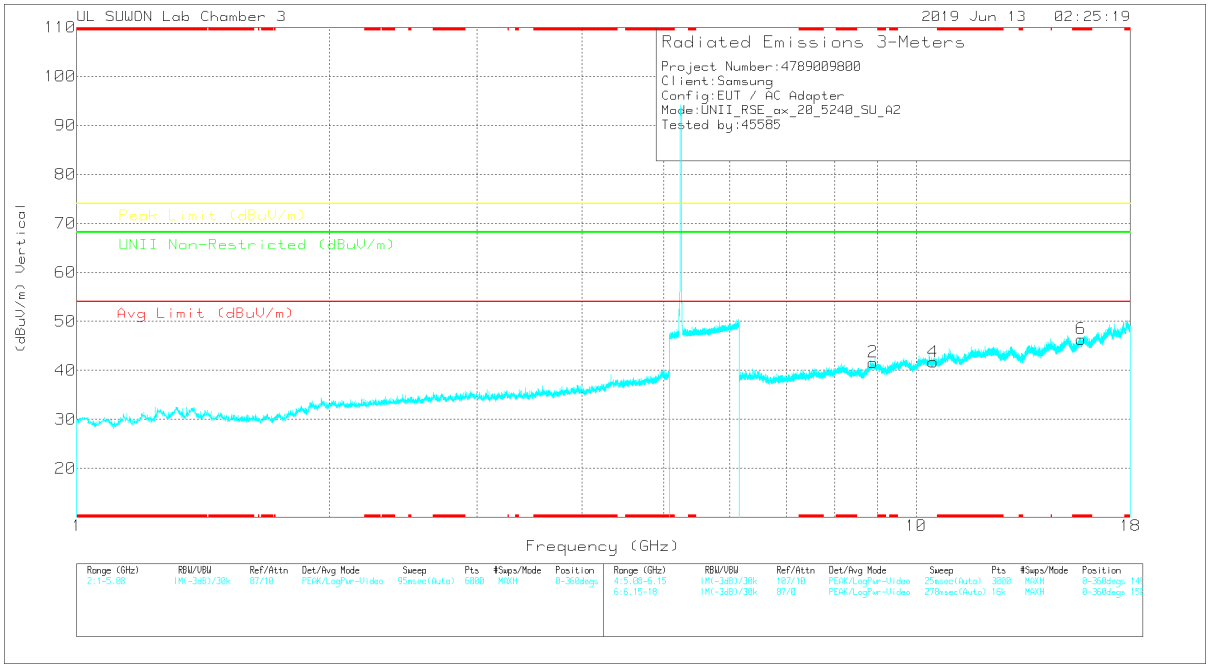
HIGH CHANNEL HORIZONTAL



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.

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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	8.898	26.31	Avg	36.5	-20.9	0	41.91	-	-	-	-	68.2	-26.29	0-360	250	H
3	10.484	23.76	Avg	37.7	-19.3	0	42.16	-	-	-	-	68.2	-26.04	0-360	250	H
5	* 15.72	25.33	Avg	40.4	-19.2	0	46.53	-	-	74	-27.47	-	-	0-360	149	H
2	8.89	26.05	Avg	36.5	-20.9	0	41.65	-	-	-	-	68.2	-26.55	0-360	250	V
4	10.477	23.3	Avg	37.7	-19.3	0	41.7	-	-	-	-	68.2	-26.5	0-360	250	V
6	* 15.718	25.09	Avg	40.4	-19.1	0	46.39	-	-	74	-27.61	-	-	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).

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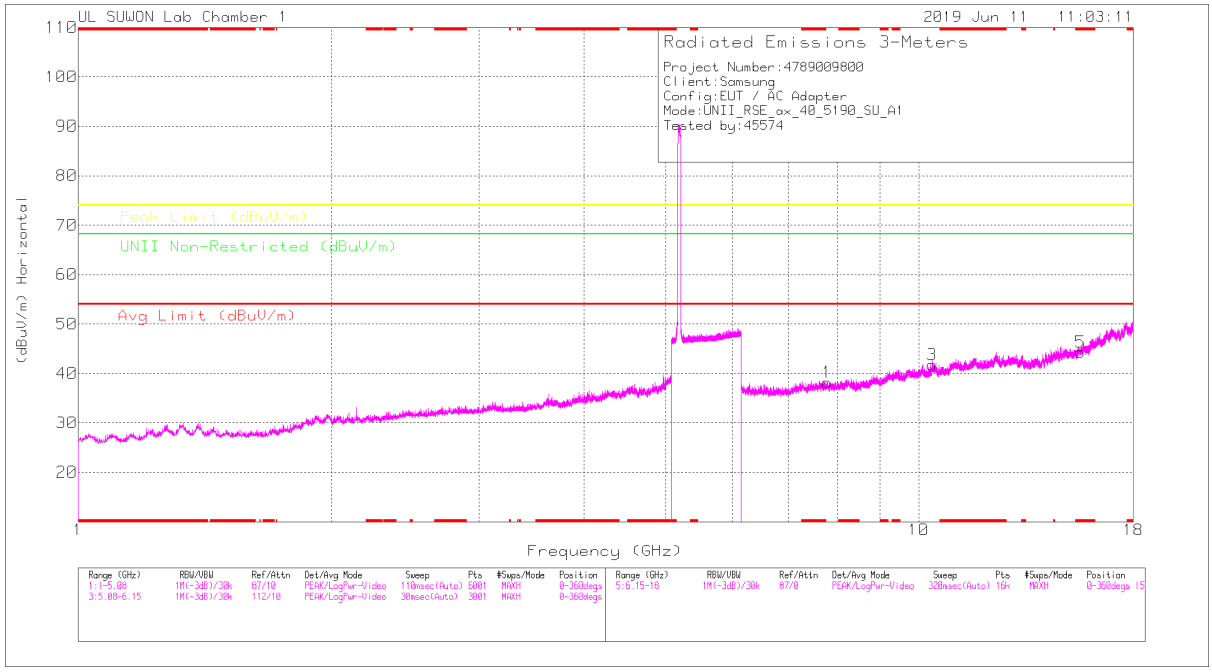
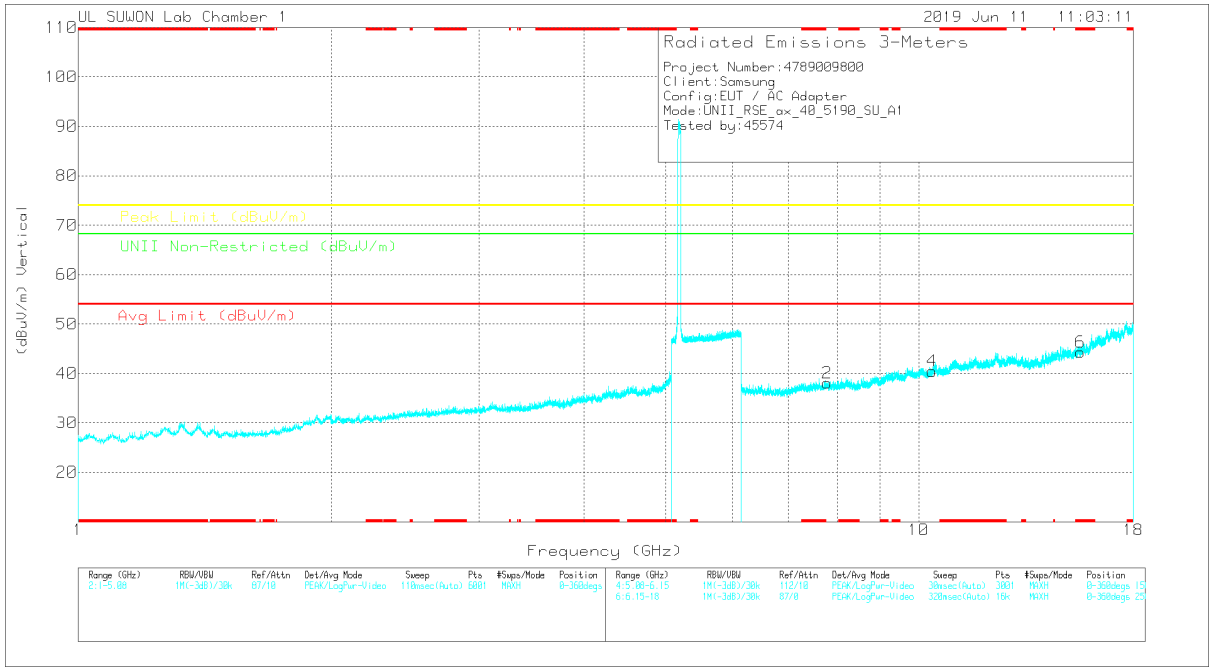
HE40 SU mode (ANT_1)

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.

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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)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.7852	28.8	PK	35.9	-26.5	0	38.2	-	-	-	-	68.2	-30	0-360	250	H
3	10.38093	26.24	PK	37.6	-22.1	0	41.74	-	-	-	-	68.2	-26.46	0-360	250	H
5	* 15.57091	25.18	PK	40.2	-21.1	0	44.28	-	-	74	-29.72	-	-	0-360	150	H
2	7.7852	28.64	PK	35.9	-26.5	0	38.04	-	-	-	-	68.2	-30.16	0-360	150	V
4	10.38093	24.95	PK	37.6	-22.1	0	40.45	-	-	-	-	68.2	-27.75	0-360	250	V
6	* 15.57091	25.21	PK	40.2	-21.1	0	44.31	-	-	74	-29.69	-	-	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).

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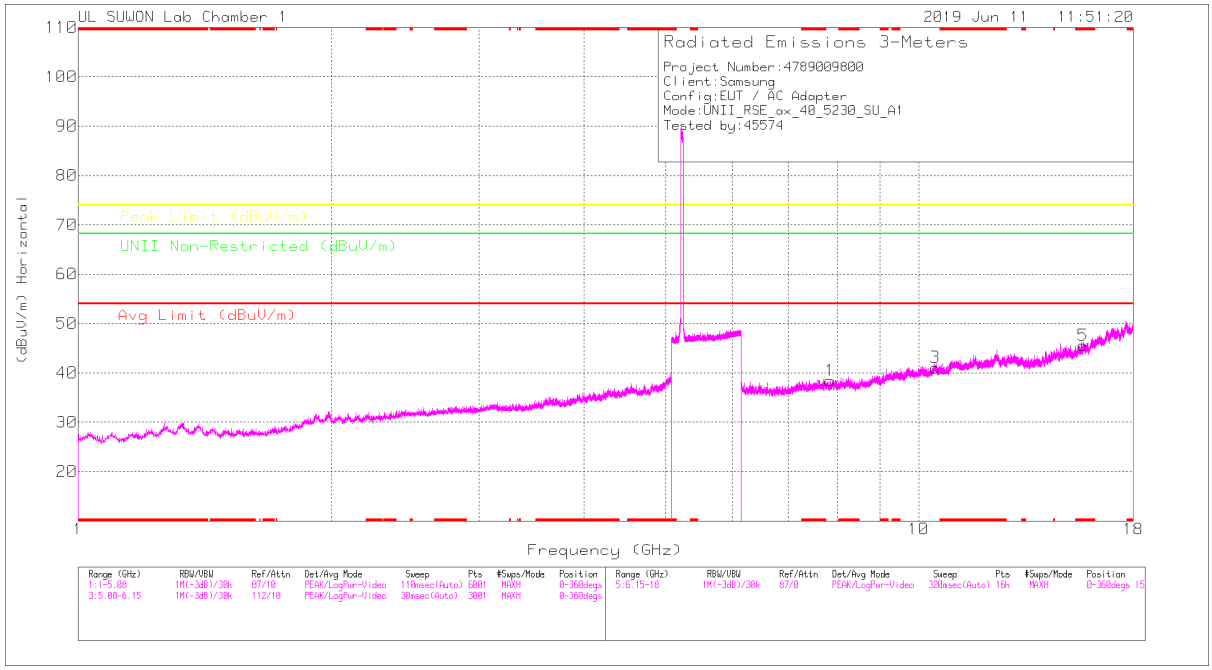
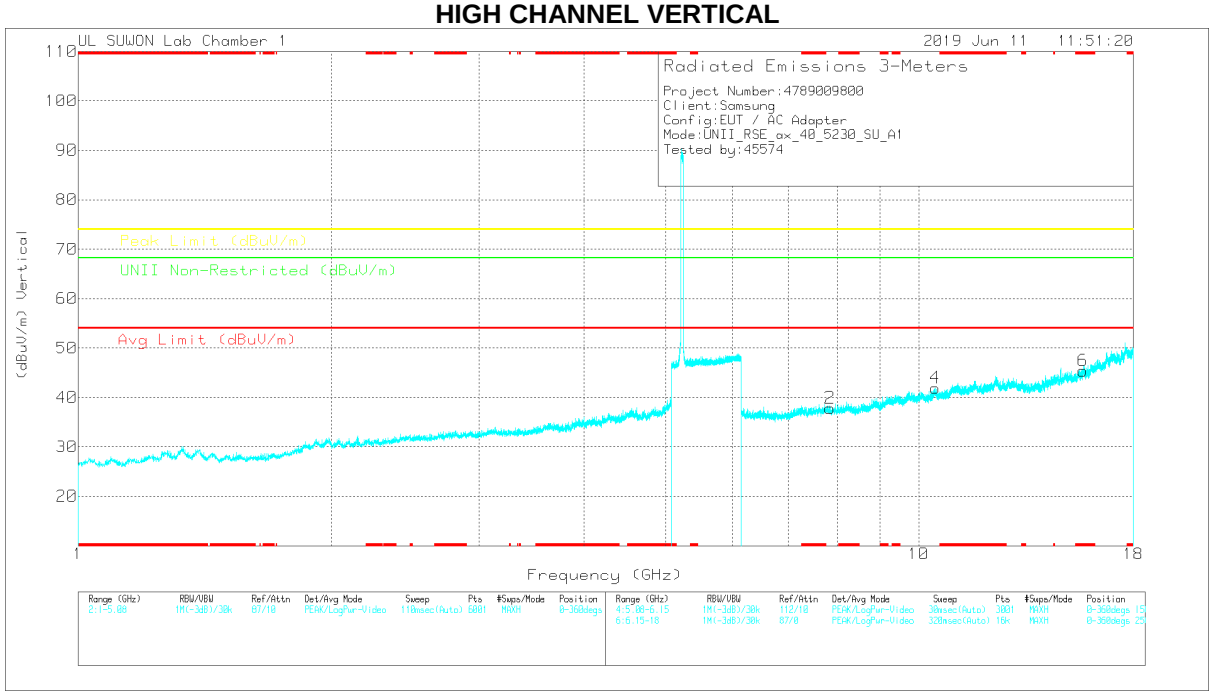
HIGH CHANNEL HORIZONTAL



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.

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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	7.8437	29.24	PK	35.9	-26.7	0	38.44	-	-	-	-	68.2	-29.76	0-360	250	H
3	10.46017	24.96	PK	37.7	-21.6	0	41.06	-	-	-	-	68.2	-27.14	0-360	150	H
5	* 15.69014	26.19	PK	40.4	-21	0	45.59	-	-	74	-28.41	-	-	0-360	150	H
2	7.8437	28.65	PK	35.9	-26.7	0	37.85	-	-	-	-	68.2	-30.35	0-360	250	V
4	10.45943	25.94	PK	37.7	-21.7	0	41.94	-	-	-	-	68.2	-26.26	0-360	250	V
6	* 15.69088	26.01	PK	40.4	-21	0	45.41	-	-	74	-28.59	-	-	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).

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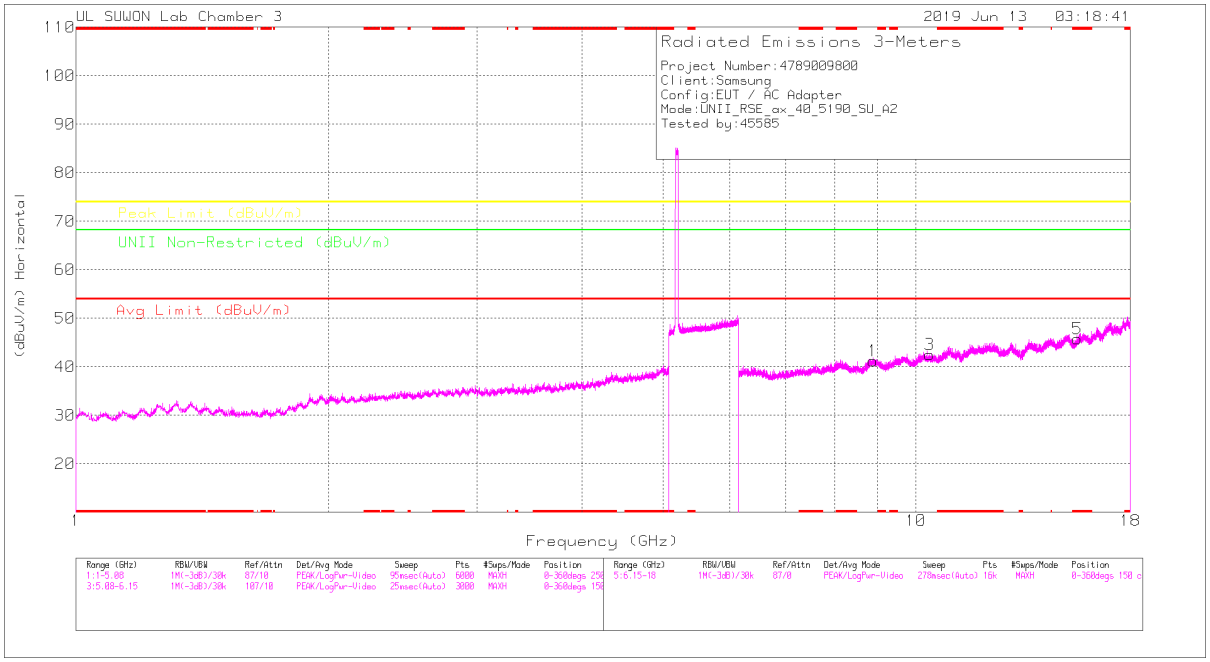
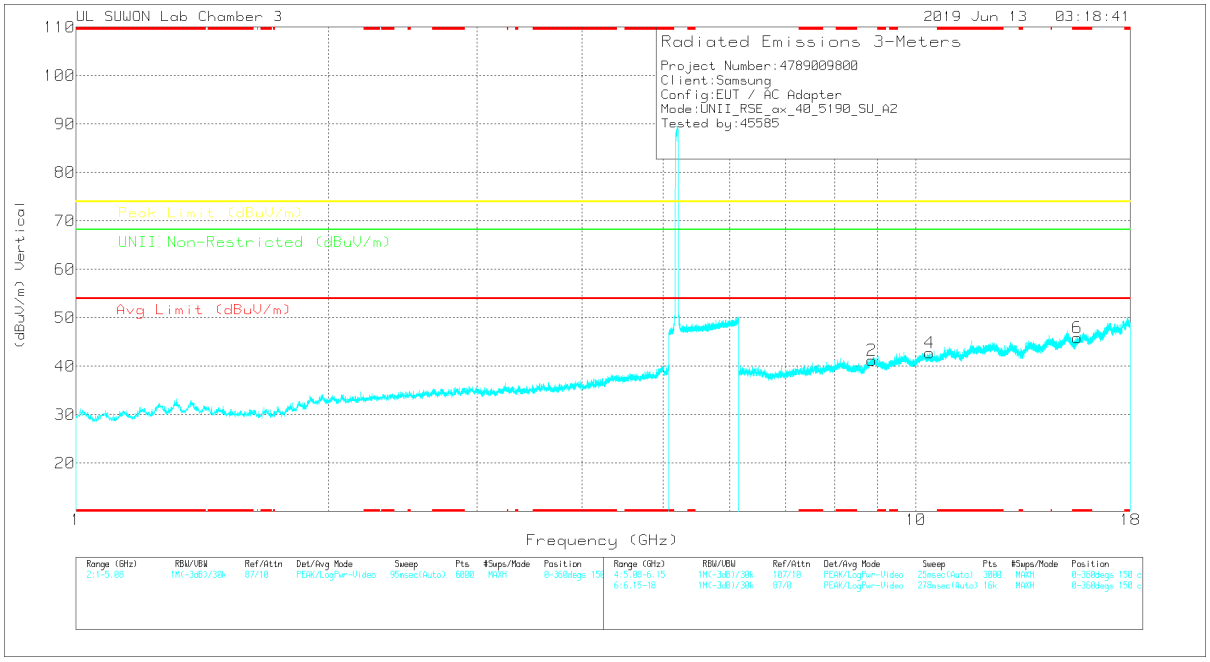
HE40 SU mode (ANT_2)

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.

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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	8.89	25.66	PK	36.5	-20.9	0	41.26	-	-	-	-	68.2	-26.94	0-360	250	H
3	10.384	24.06	PK	37.6	-19.2	0	42.46	-	-	-	-	68.2	-25.74	0-360	250	H
5	* 15.565	25.23	PK	40.2	-19.7	0	45.73	-	-	74	-28.27	-	-	0-360	150	H
2	8.862	25.42	PK	36.5	-20.7	0	41.22	-	-	-	-	68.2	-26.98	0-360	250	V
4	10.384	24.32	PK	37.6	-19.2	0	42.72	-	-	-	-	68.2	-25.48	0-360	250	V
6	* 15.567	25.39	PK	40.2	-19.7	0	45.89	-	-	74	-28.11	-	-	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).

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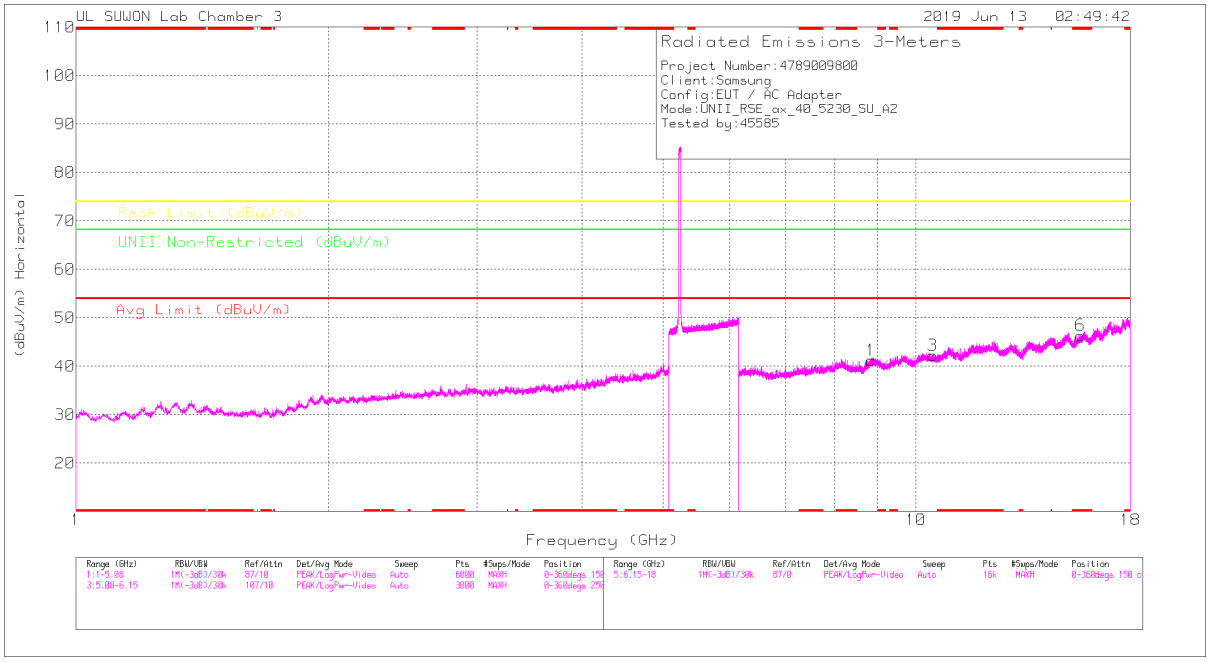
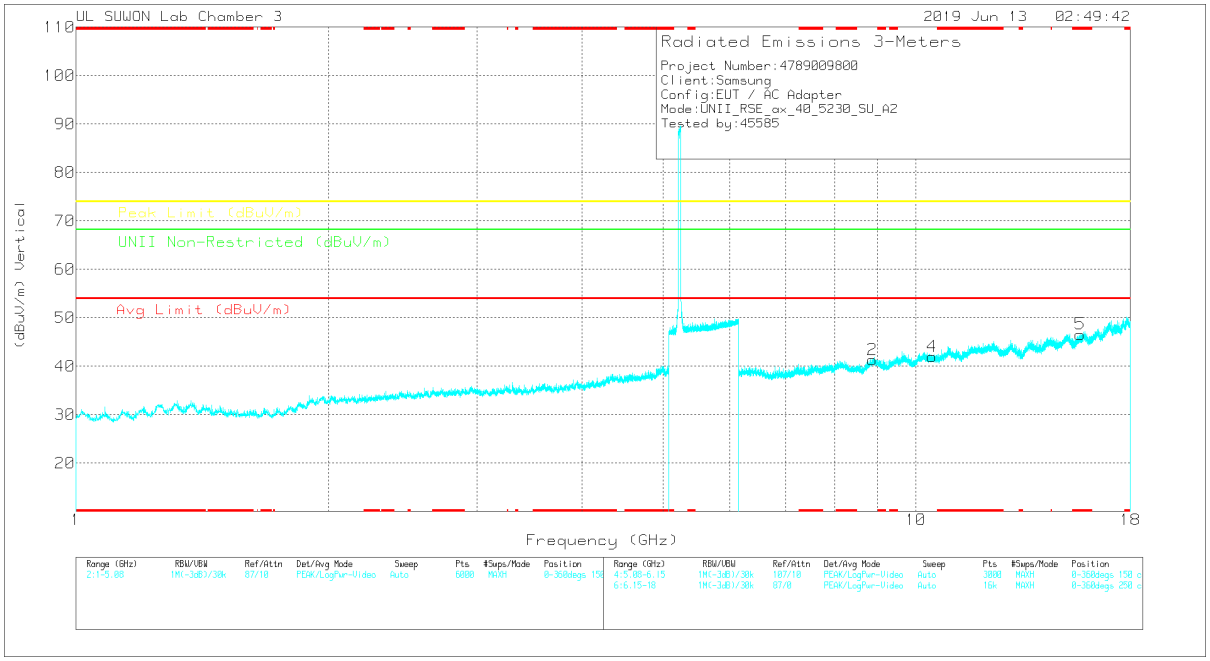
HIGH CHANNEL HORIZONTAL



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.

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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	8.843	25.56	PK	36.5	-20.8	0	41.26	-	-	-	-	68.2	-26.94	0-360	250	H
3	10.467	23.97	PK	37.7	-19.4	0	42.27	-	-	-	-	68.2	-25.93	0-360	150	H
6	* 15.693	25.35	PK	40.4	-19.4	0	46.35	-	-	74	-27.65	-	-	0-360	250	H
2	8.875	25.79	PK	36.5	-20.9	0	41.39	-	-	-	-	68.2	-26.81	0-360	150	V
4	10.46	23.55	PK	37.7	-19.3	0	41.95	-	-	-	-	68.2	-26.25	0-360	150	V
5	* 15.685	25.61	PK	40.3	-19.3	0	46.61	-	-	74	-27.39	-	-	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).

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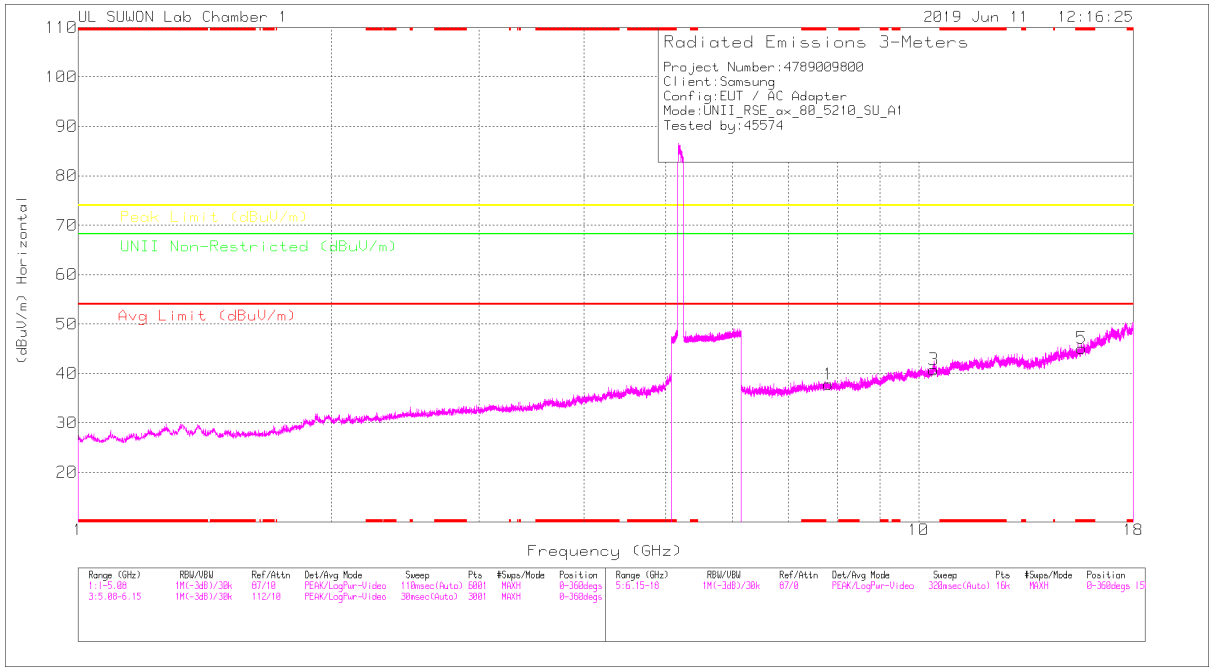
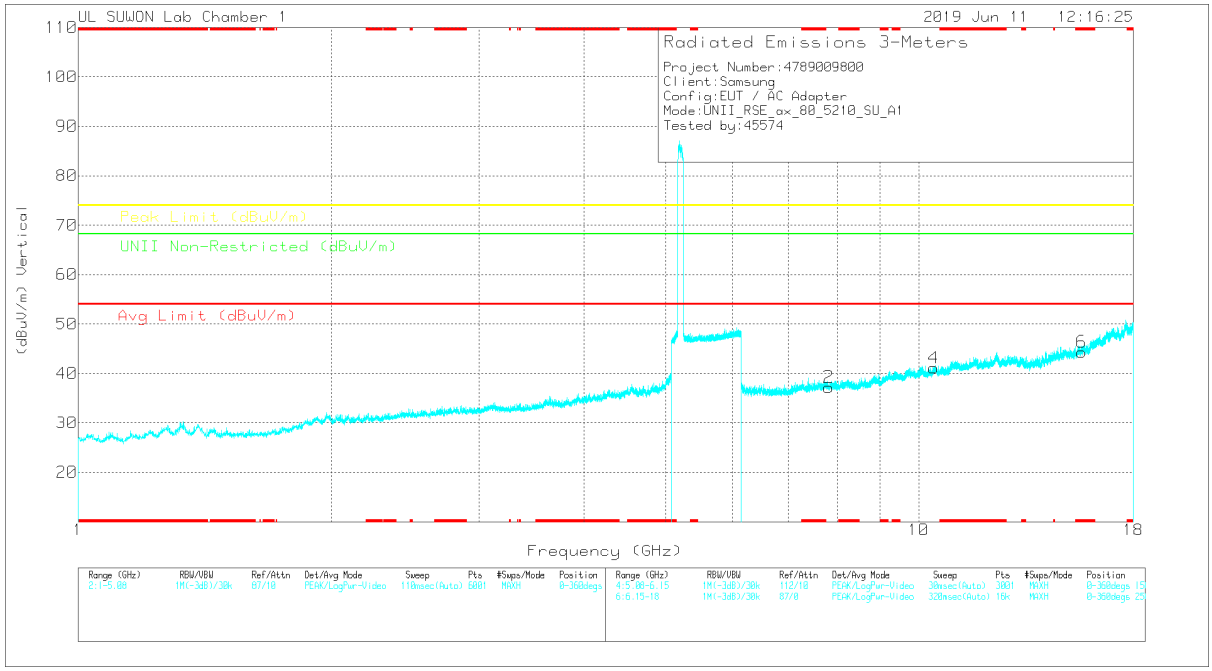
HE80 SU mode (ANT_1)

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.

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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	7.81408	28.51	PK	35.9	-26.6	0	37.81	-	-	-	-	68.2	-30.39	0-360	250	H
3	10.42092	24.66	PK	37.6	-21.5	0	40.76	-	-	-	-	68.2	-27.44	0-360	250	H
5	* 15.63237	26.1	PK	40.3	-21.3	0	45.1	-	-	74	-28.9	-	-	0-360	250	H
2	7.81556	27.91	PK	35.9	-26.6	0	37.21	-	-	-	-	68.2	-30.99	0-360	150	V
4	10.42018	25.02	PK	37.6	-21.5	0	41.12	-	-	-	-	68.2	-27.08	0-360	250	V
6	* 15.63237	25.33	PK	40.3	-21.3	0	44.33	-	-	74	-29.67	-	-	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).

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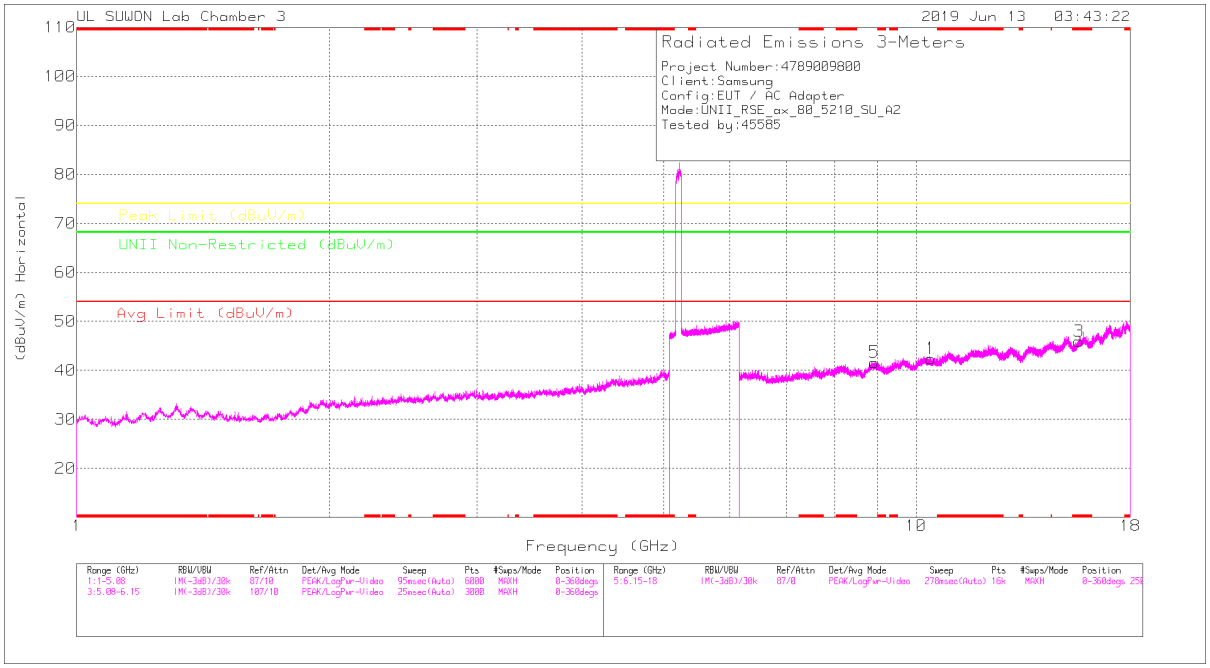
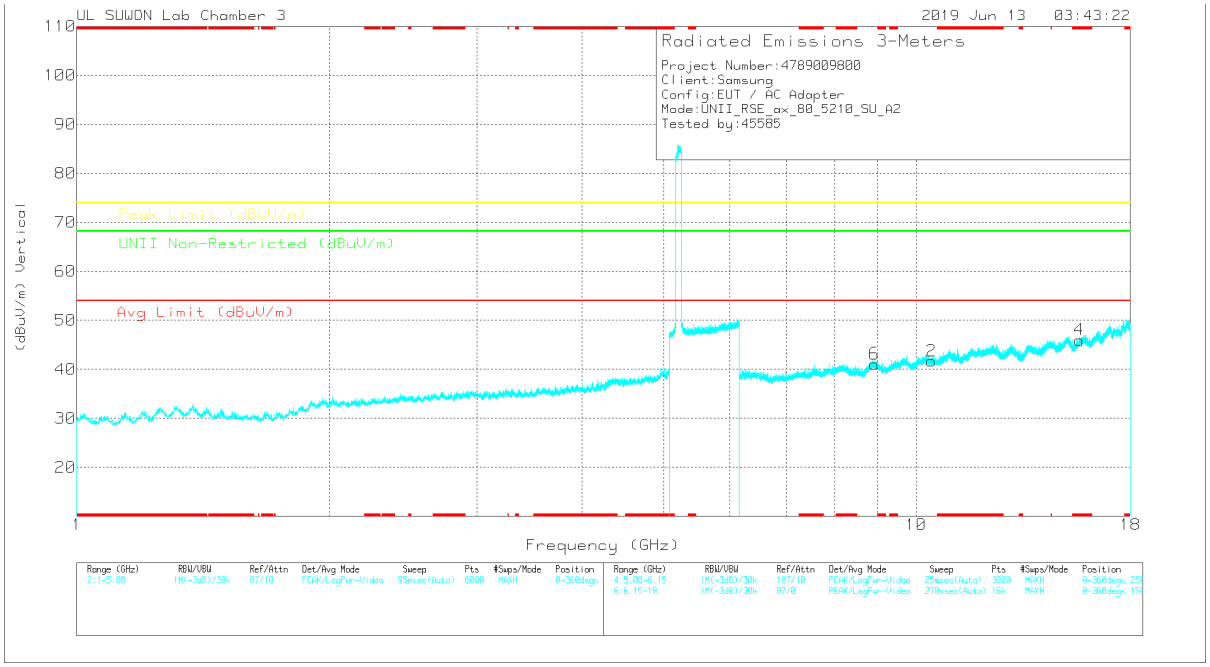
HE80 SU mode (ANT_2)

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.

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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	10.416	24.19	PK	37.6	-19.4	0	42.39	-	-	-	-	68.2	-25.81	0-360	250	H
3	* 15.628	25.03	PK	40.3	-19.4	0	45.93	-	-	74	-28.07	-	-	0-360	150	H
5	8.914	26.03	PK	36.6	-21	0	41.63	-	-	-	-	68.2	-26.57	0-360	250	H
2	10.424	23.42	PK	37.6	-19.3	0	41.72	-	-	-	-	68.2	-26.48	0-360	250	V
4	* 15.637	25.11	PK	40.3	-19.4	0	46.01	-	-	74	-27.99	-	-	0-360	250	V
6	8.91	25.51	PK	36.6	-21	0	41.11	-	-	-	-	68.2	-27.09	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).

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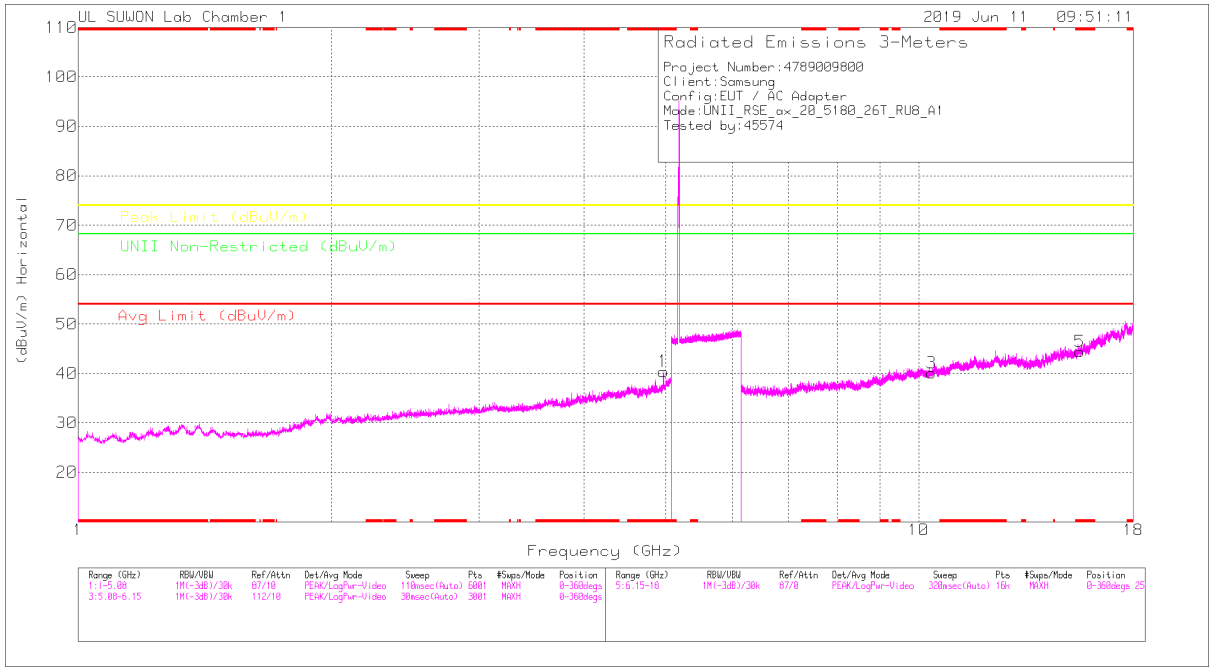
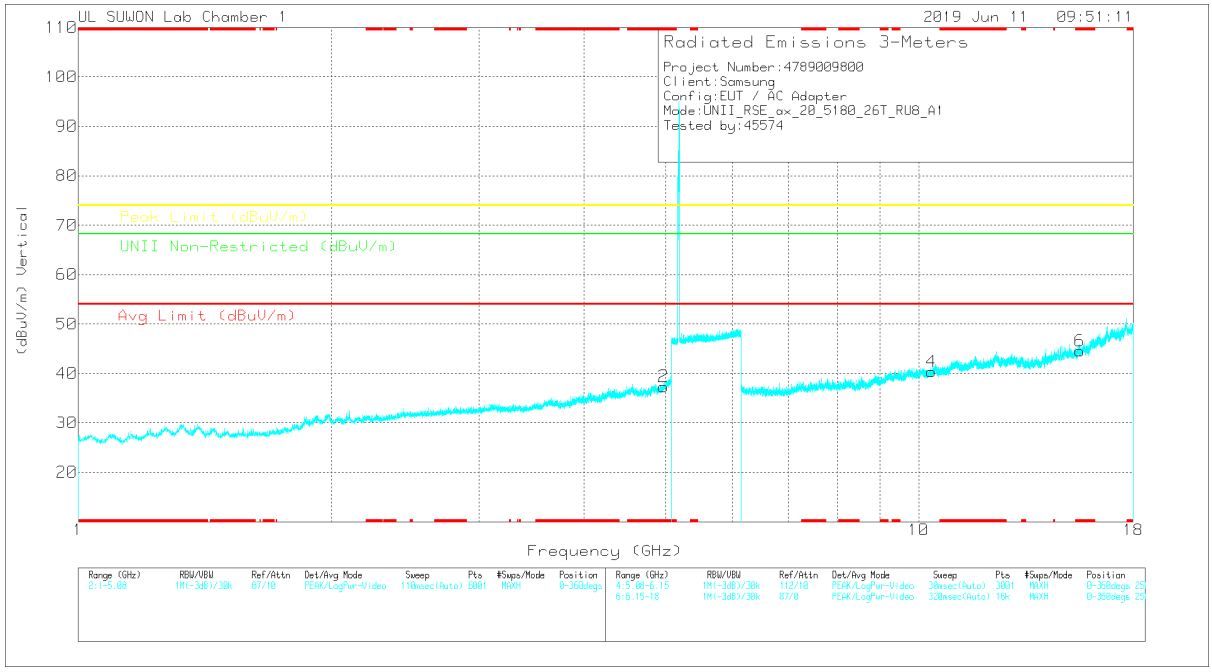
HE20 RU mode (ANT_1 / 26T / Low: 8, Mid: 4, High: 4)

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.

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LOW CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	5GHz_LP[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	* 4.97052	36.2	Avg	34.2	-30	0	40.4	-	-	74	-33.6	-	-	0-360	250	H
2	* 4.9712	33.16	Avg	34.2	-30	0	37.36	-	-	74	-36.64	-	-	0-360	150	V
3	10.36019	24.77	Avg	37.6	-22.3	0	40.07	-	-	-	-	68.2	-28.13	0-360	150	H
5	* 15.54054	25.04	Avg	40.2	-20.8	0	44.44	-	-	74	-29.56	-	-	0-360	150	H
4	10.36093	25.05	Avg	37.6	-22.3	0	40.35	-	-	-	-	68.2	-27.85	0-360	150	V
6	* 15.54054	25.14	Avg	40.2	-20.8	0	44.54	-	-	74	-29.46	-	-	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).

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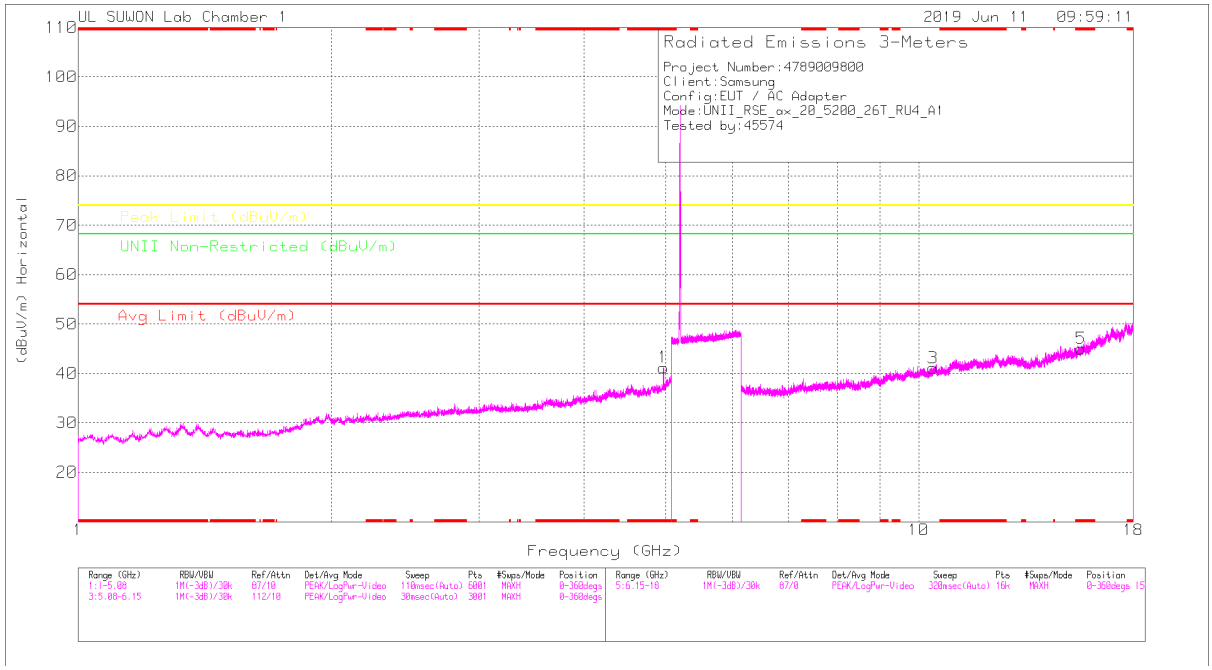
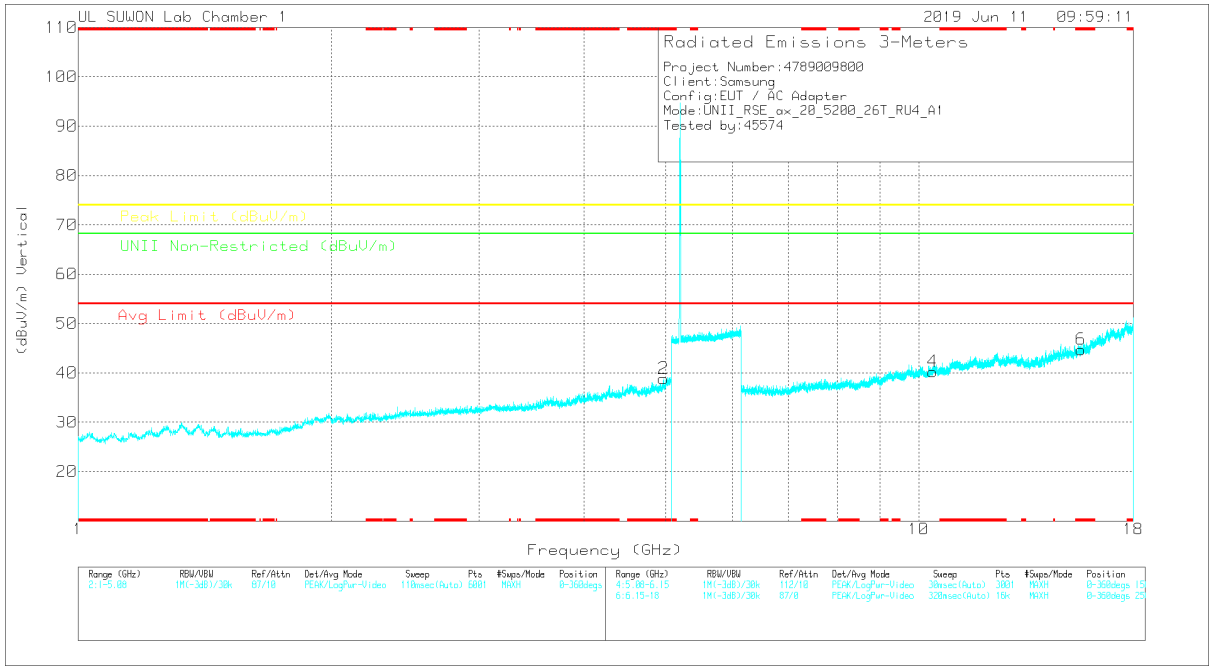
MID CHANNEL HORIZONTAL



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.

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MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	5GHz_LP[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	* 4.97052	36.99	PK	34.2	-30	0	41.19	-	-	74	-32.81	-	-	0-360	250	H
2	* 4.97052	34.65	PK	34.2	-30	0	38.85	-	-	74	-35.15	-	-	0-360	150	V
3	10.40018	25.27	PK	37.6	-21.8	0	41.07	-	-	-	-	68.2	-27.13	0-360	150	H
5	* 15.59979	26.13	PK	40.2	-21.3	0	45.03	-	-	74	-28.97	-	-	0-360	250	H
4	10.39944	24.45	PK	37.6	-21.8	0	40.25	-	-	-	-	68.2	-27.95	0-360	150	V
6	* 15.59979	25.85	PK	40.2	-21.3	0	44.75	-	-	74	-29.25	-	-	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	5GHz_LP[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
* 4.96981	45.55	PK-U	34.2	-30	0	49.75	-	-	74	-24.25	-	-	212	321	H
* 4.96987	32.62	ADR	34.2	-30	0	36.82	54	-17.18	-	-	-	-	212	321	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

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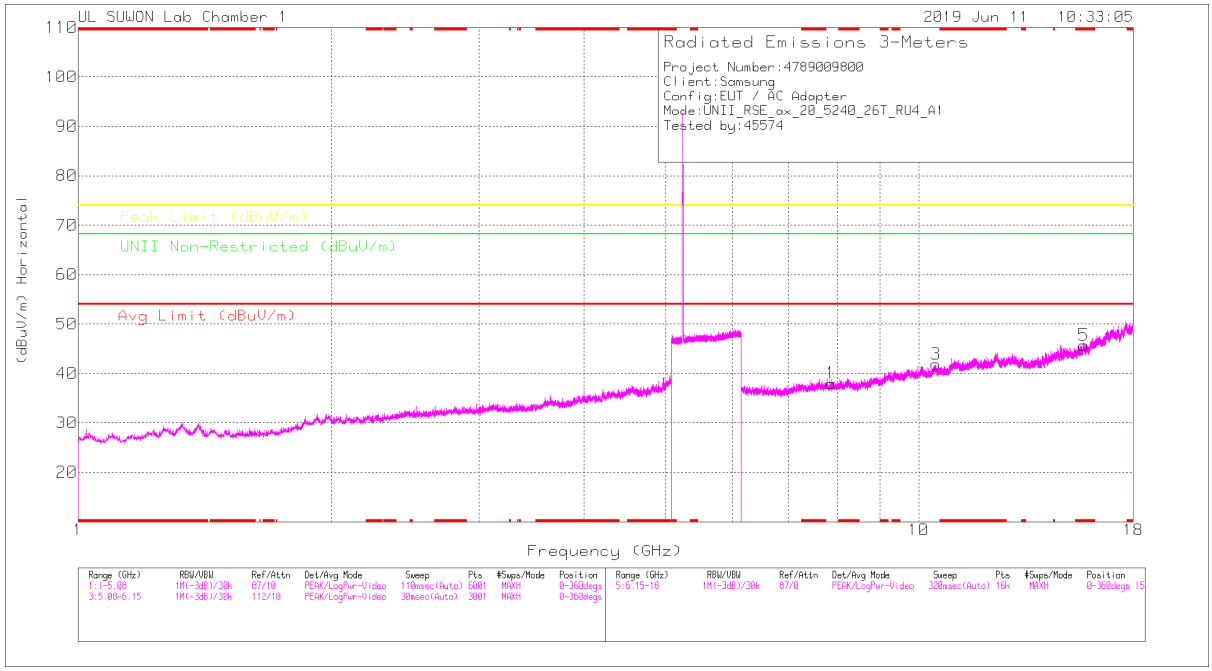
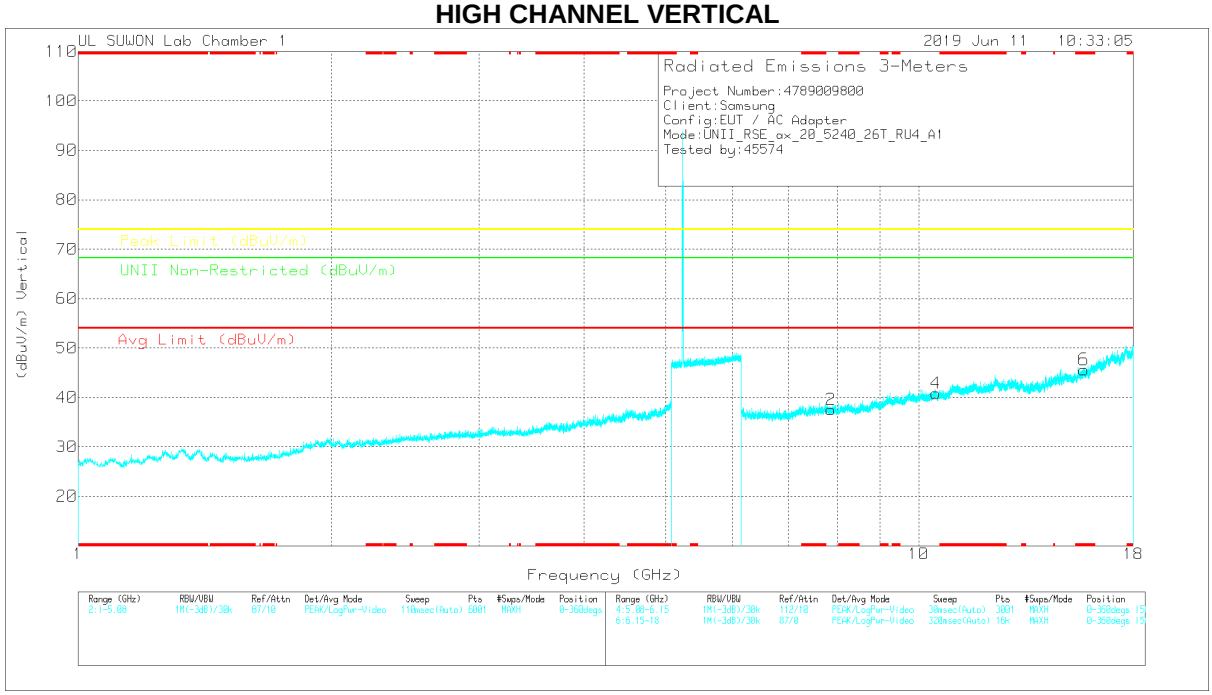
HIGH CHANNEL HORIZONTAL



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.

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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	7.86222	28.7	PK	35.9	-26.6	0	38	-	-	-	-	68.2	-30.2	0-360	150	H
3	10.47868	25.96	PK	37.7	-21.8	0	41.86	-	-	-	-	68.2	-26.34	0-360	250	H
5	* 15.72198	26.42	PK	40.4	-21.1	0	45.72	-	-	74	-28.28	-	-	0-360	250	H
2	7.86148	28.36	PK	35.9	-26.7	0	37.56	-	-	-	-	68.2	-30.64	0-360	150	V
4	10.47868	24.93	PK	37.7	-21.8	0	40.83	-	-	-	-	68.2	-27.37	0-360	250	V
6	* 15.72198	26.31	PK	40.4	-21.1	0	45.61	-	-	74	-28.39	-	-	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).

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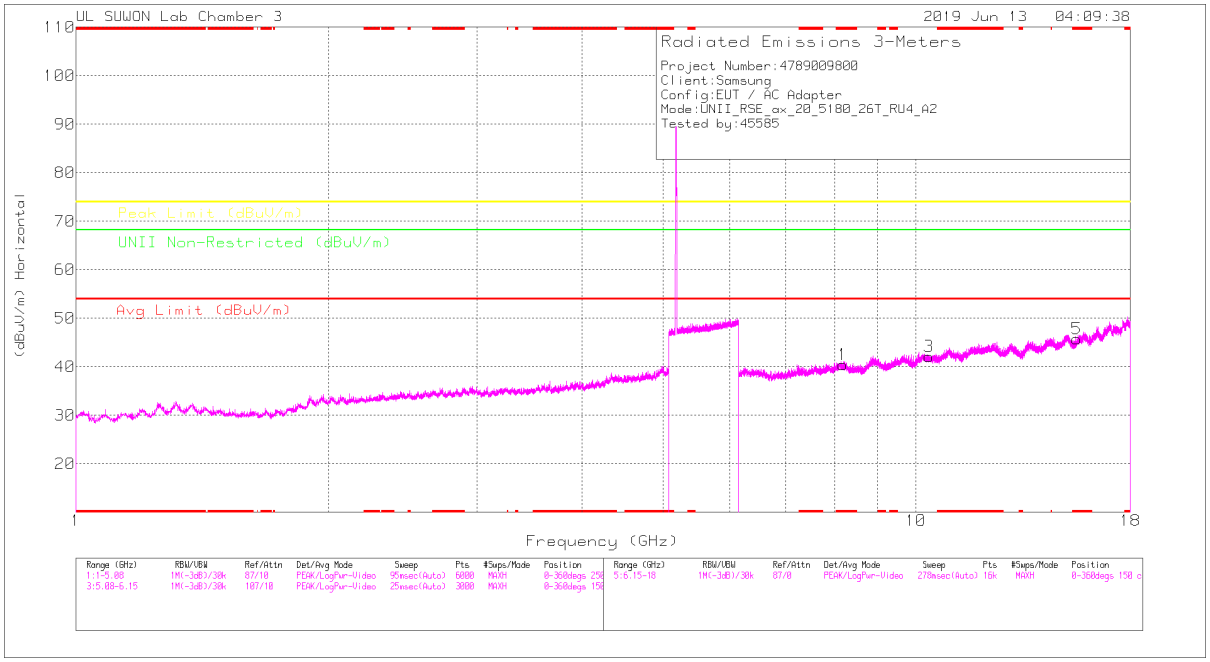
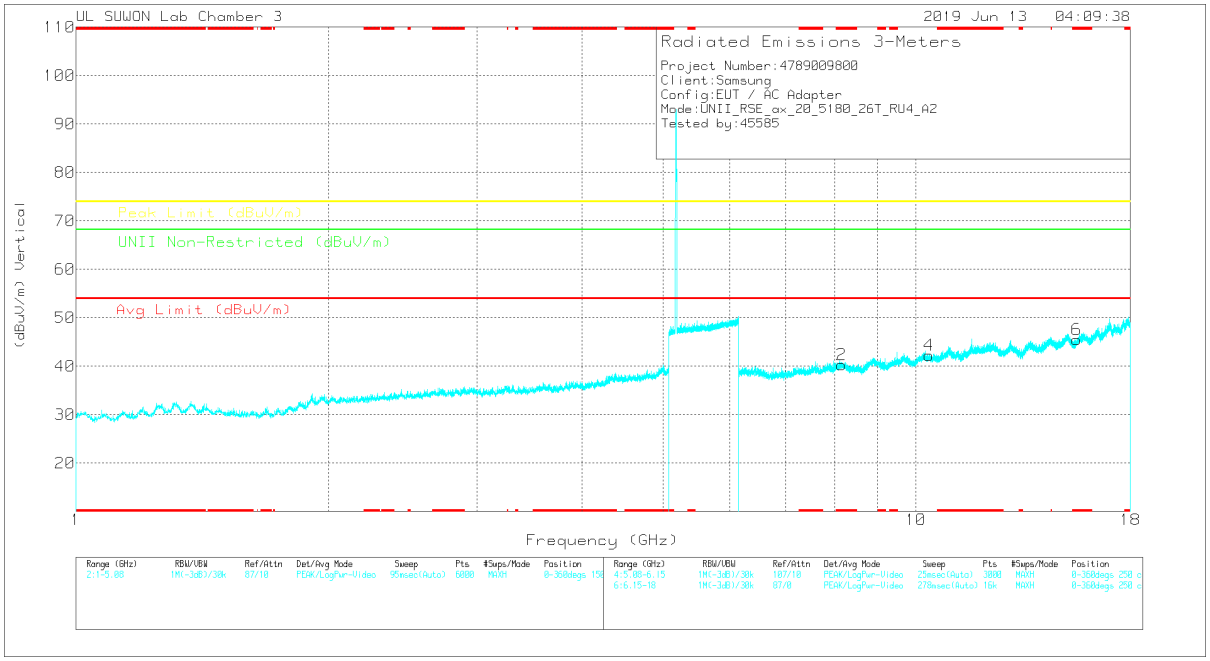
HE20 RU mode (ANT_2 / 26T / Low: 4, Mid: 4, High: 4)

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.

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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	* 8.189	25.99	PK	36.3	-21.8	0	40.49	-	-	74	-33.51	-	-	0-360	150	H
3	10.366	23.72	PK	37.6	-19.2	0	42.12	-	-	-	-	68.2	-26.08	0-360	150	H
5	* 15.537	25.31	PK	40.2	-19.7	0	45.81	-	-	74	-28.19	-	-	0-360	150	H
2	* 8.154	25.69	PK	36.3	-21.7	0	40.29	-	-	74	-33.71	-	-	0-360	150	V
4	10.357	23.99	PK	37.6	-19.3	0	42.29	-	-	-	-	68.2	-25.91	0-360	150	V
6	* 15.537	24.98	PK	40.2	-19.7	0	45.48	-	-	74	-28.52	-	-	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).

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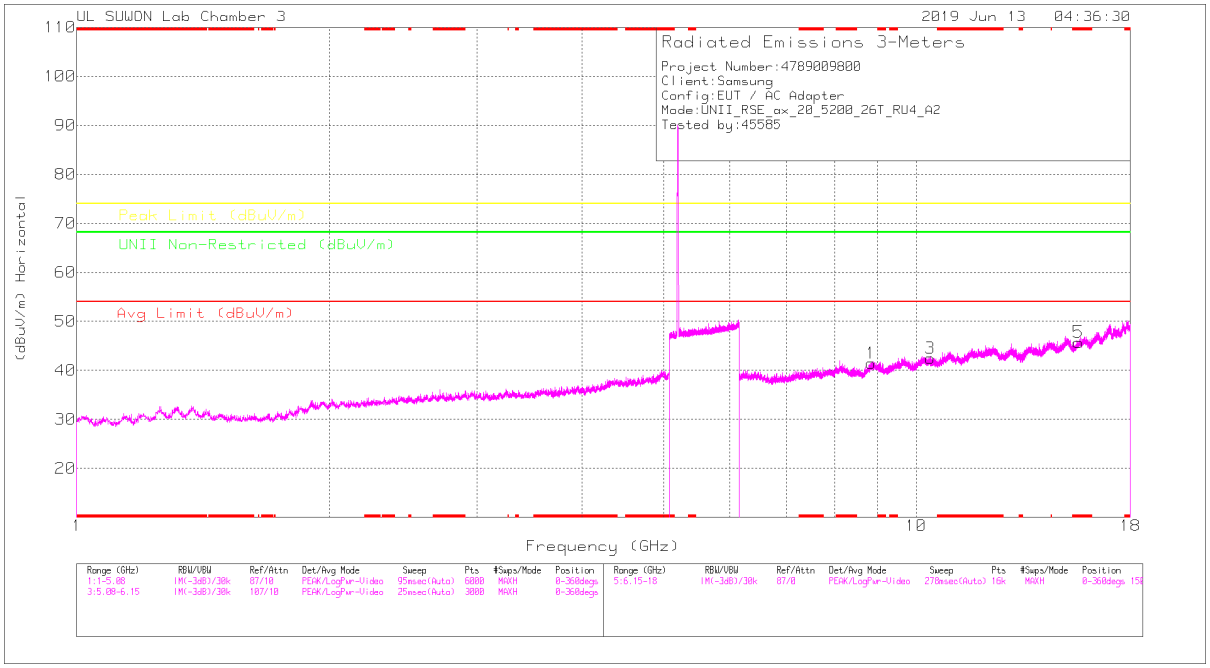
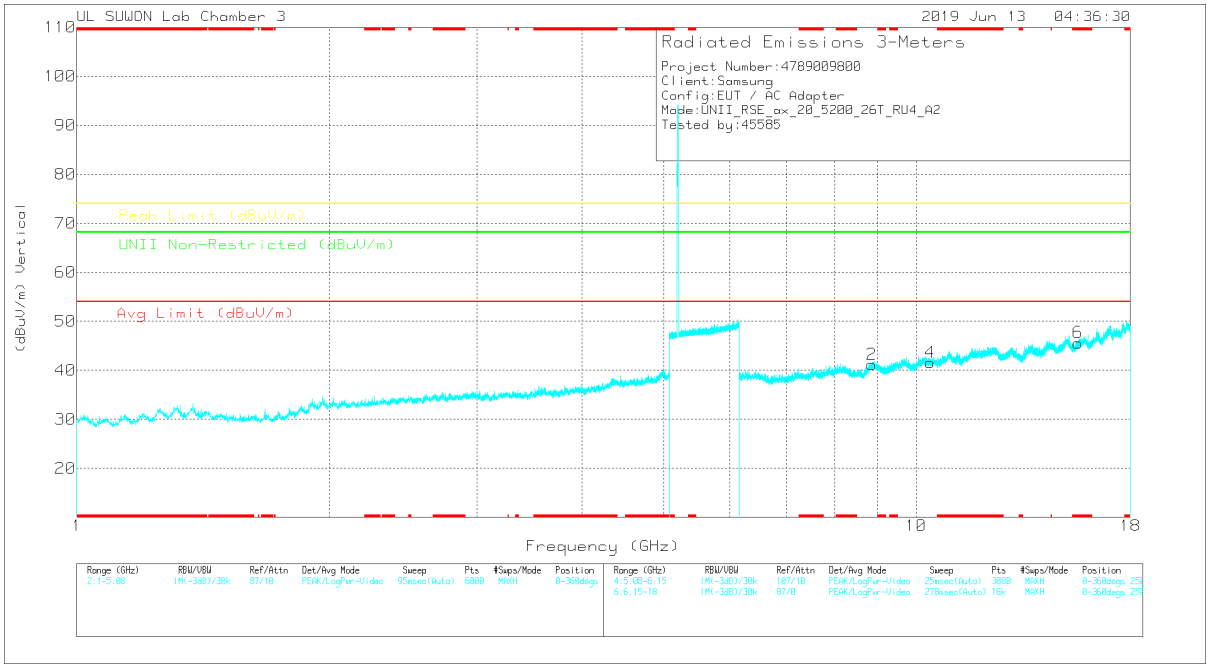
MID CHANNEL HORIZONTAL



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.

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MID CHANNEL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	7.028	26.35	PK	35.9	-25.2	0	37.05	-	-	-	-	68.2	-31.15	0-360	250	H
4	10.383	27.17	PK	37.6	-21	0	43.77	-	-	-	-	68.2	-24.43	0-360	150	H
5	* 15.6	24.54	PK	40	-19.8	0	44.74	-	-	74	-29.26	-	-	0-360	150	H
2	7.016	27.01	PK	35.8	-25.5	0	37.31	-	-	-	-	68.2	-30.89	0-360	250	V
3	10.383	25.84	PK	37.6	-21	0	42.44	-	-	-	-	68.2	-25.76	0-360	250	V
6	* 15.6	24.76	PK	40	-19.8	0	44.96	-	-	74	-29.04	-	-	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).

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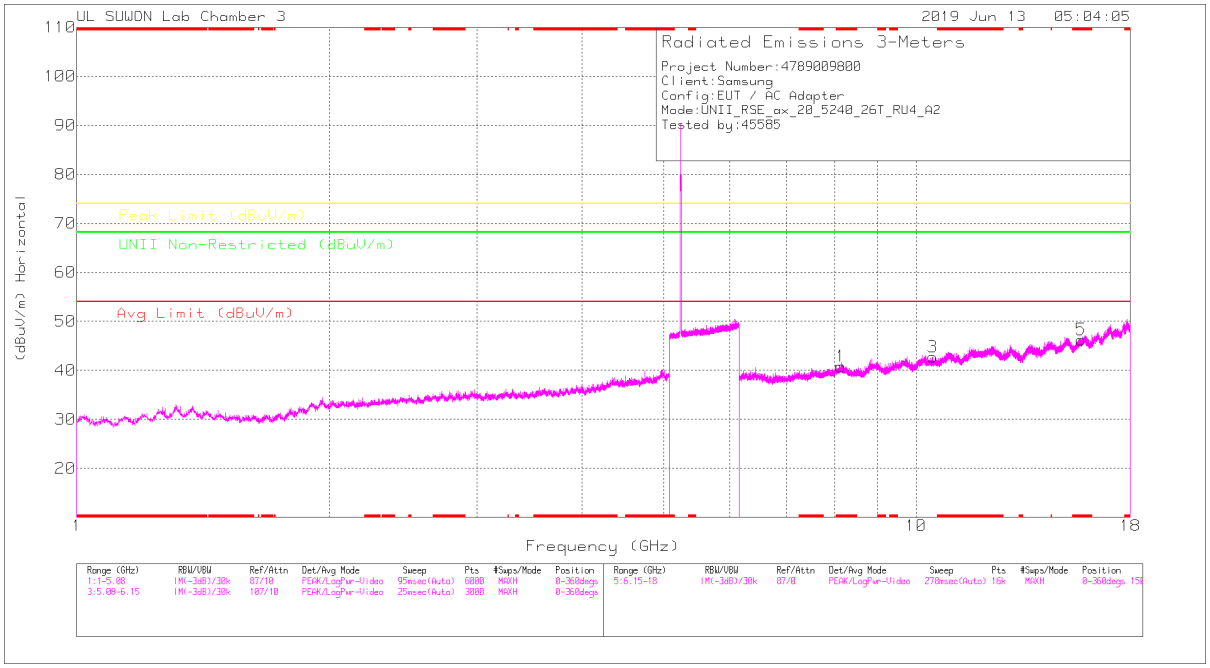
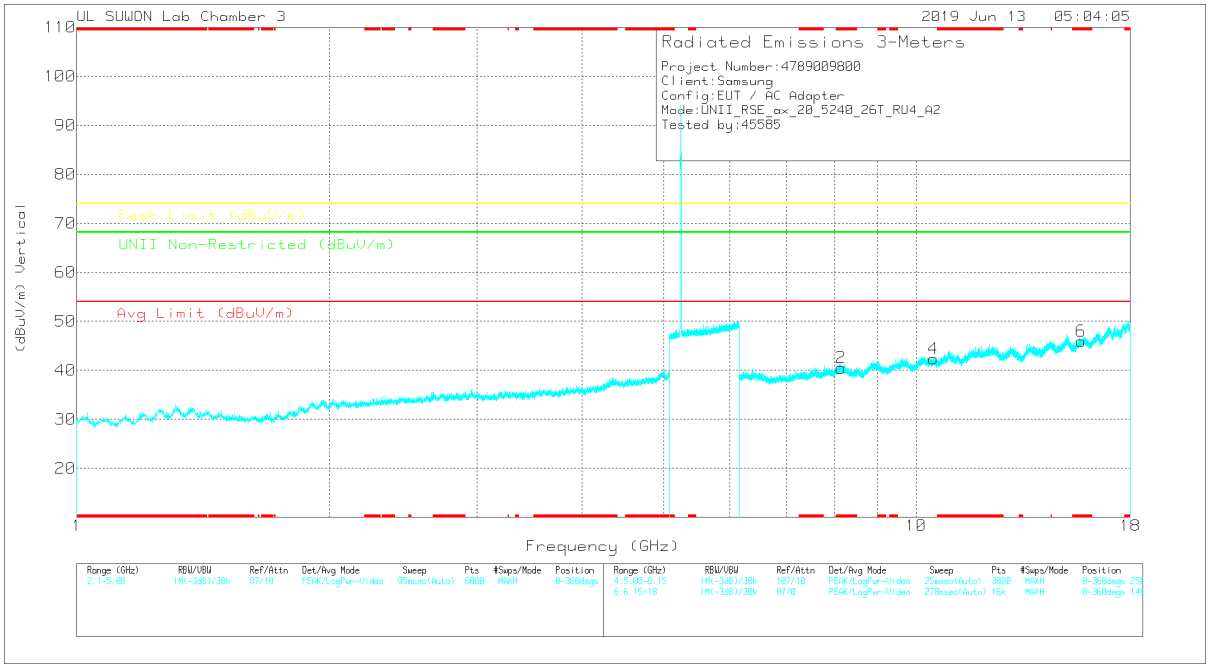
HIGH CHANNEL HORIZONTAL



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.

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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	* 8.135	26.26	PK	36.3	-21.8	0	40.76	-	-	74	-33.24	-	-	0-360	250	H
3	10.473	24.31	PK	37.7	-19.3	0	42.71	-	-	-	-	68.2	-25.49	0-360	150	H
5	* 15.719	25.06	PK	40.4	-19.2	0	46.26	-	-	74	-27.74	-	-	0-360	150	H
2	* 8.136	26.01	PK	36.3	-21.8	0	40.51	-	-	74	-33.49	-	-	0-360	250	V
4	10.478	23.97	PK	37.7	-19.3	0	42.37	-	-	-	-	68.2	-25.83	0-360	250	V
6	* 15.717	24.65	PK	40.4	-19.1	0	45.95	-	-	74	-28.05	-	-	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).

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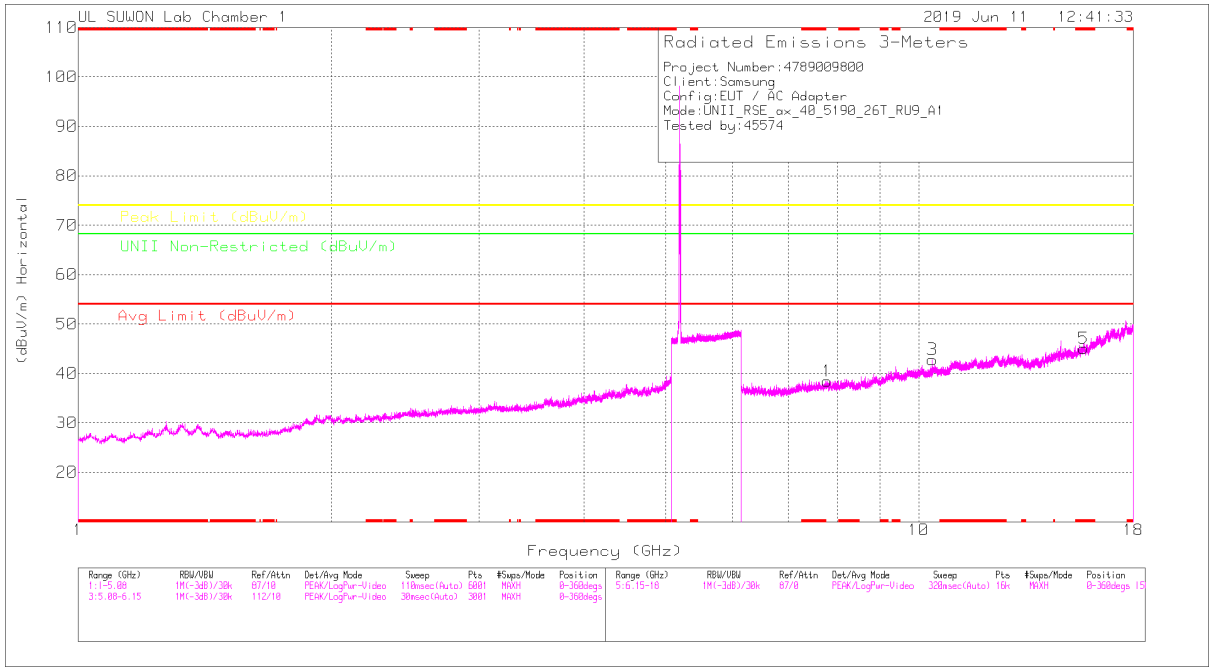
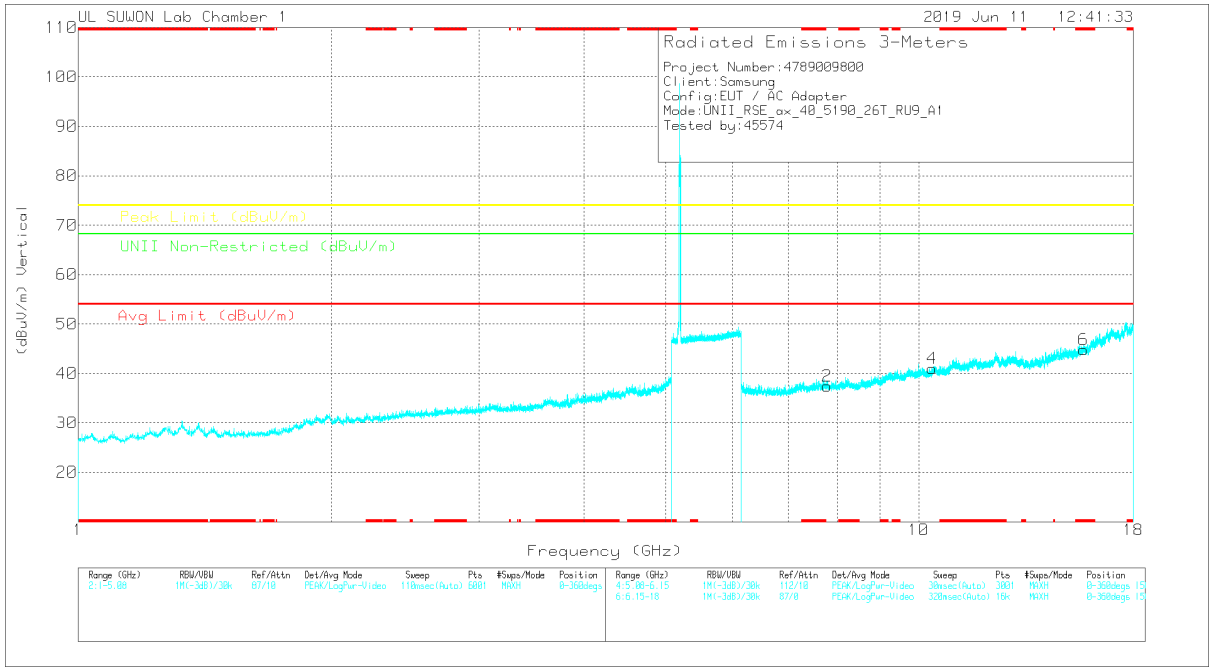
HE40 RU mode (ANT_1 / 26T / Low: 9, High: 9)

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.

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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)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7.78594	29.02	PK	35.9	-26.5	0	38.42	-	-	-	-	68.2	-29.78	0-360	150	H
3	10.38241	27.3	PK	37.6	-22.1	0	42.8	-	-	-	-	68.2	-25.4	0-360	150	H
5	* 15.70125	25.65	PK	40.4	-21	0	45.05	-	-	74	-28.95	-	-	0-360	150	H
2	7.7852	28.03	PK	35.9	-26.5	0	37.43	-	-	-	-	68.2	-30.77	0-360	250	V
4	10.38167	25.46	PK	37.6	-22.1	0	40.96	-	-	-	-	68.2	-27.24	0-360	250	V
6	* 15.70051	25.4	PK	40.4	-21	0	44.8	-	-	74	-29.2	-	-	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).

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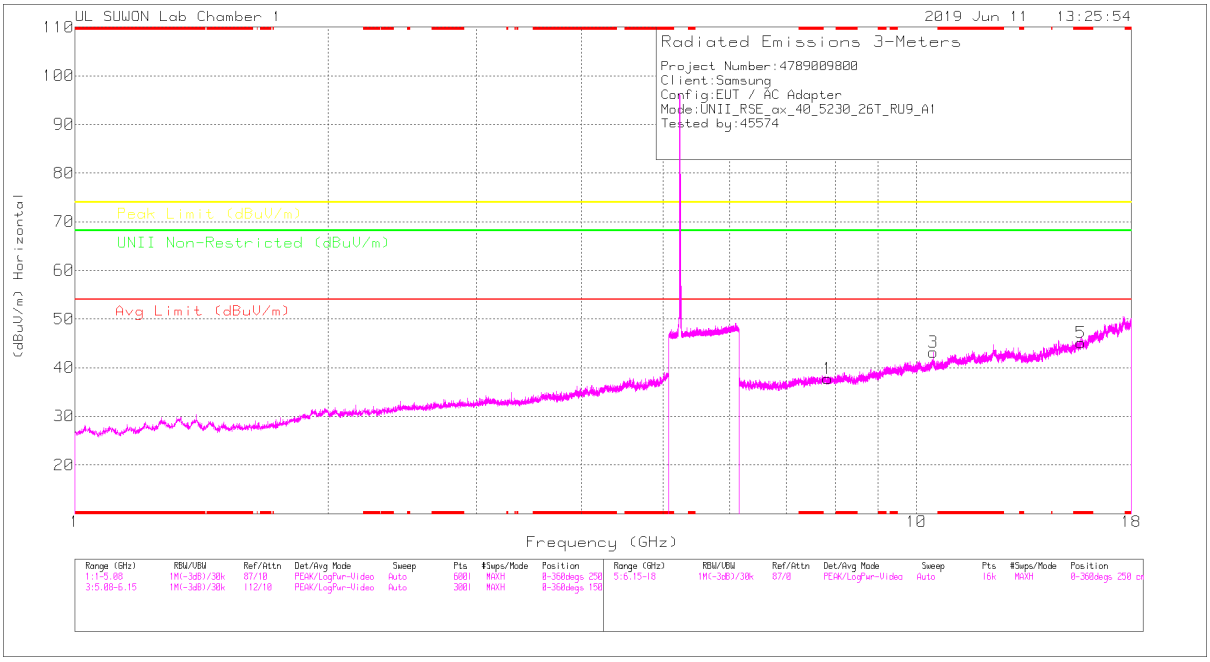
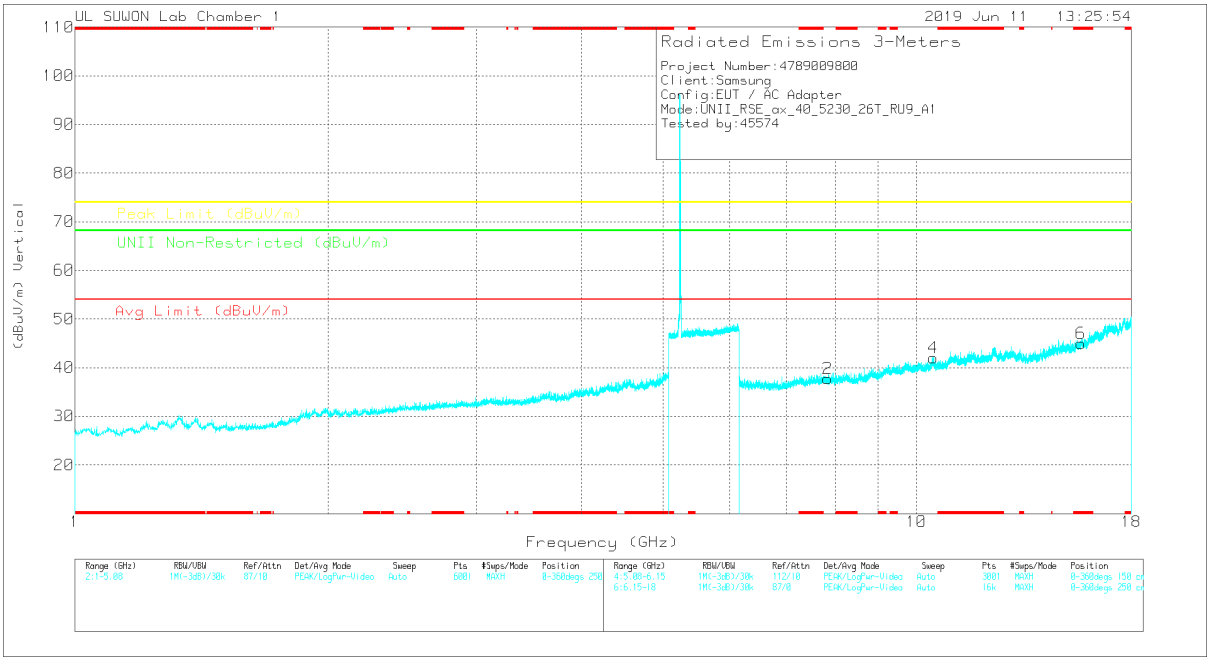
HIGH CHANNEL HORIZONTAL



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.

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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	7.84519	28.53	PK	35.9	-26.7	0	37.73	-	-	-	-	68.2	-30.47	0-360	150	H
3	10.46239	27.12	PK	37.7	-21.6	0	43.22	-	-	-	-	68.2	-24.98	0-360	250	H
5	* 15.69014	25.7	PK	40.4	-21	0	45.1	-	-	74	-28.9	-	-	0-360	150	H
2	7.84593	28.53	PK	35.9	-26.7	0	37.73	-	-	-	-	68.2	-30.47	0-360	250	V
4	10.46165	25.92	PK	37.7	-21.6	0	42.02	-	-	-	-	68.2	-26.18	0-360	150	V
6	* 15.69014	25.53	PK	40.4	-21	0	44.93	-	-	74	-29.07	-	-	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
10.47202	35.09	PK-U	37.7	-21.7	0	51.09	-	-	-	-	68.2	-17.11	360	168	H
10.47583	34.97	PK-U	37.7	-21.8	0	50.87	-	-	-	-	68.2	-17.33	40	124	V

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

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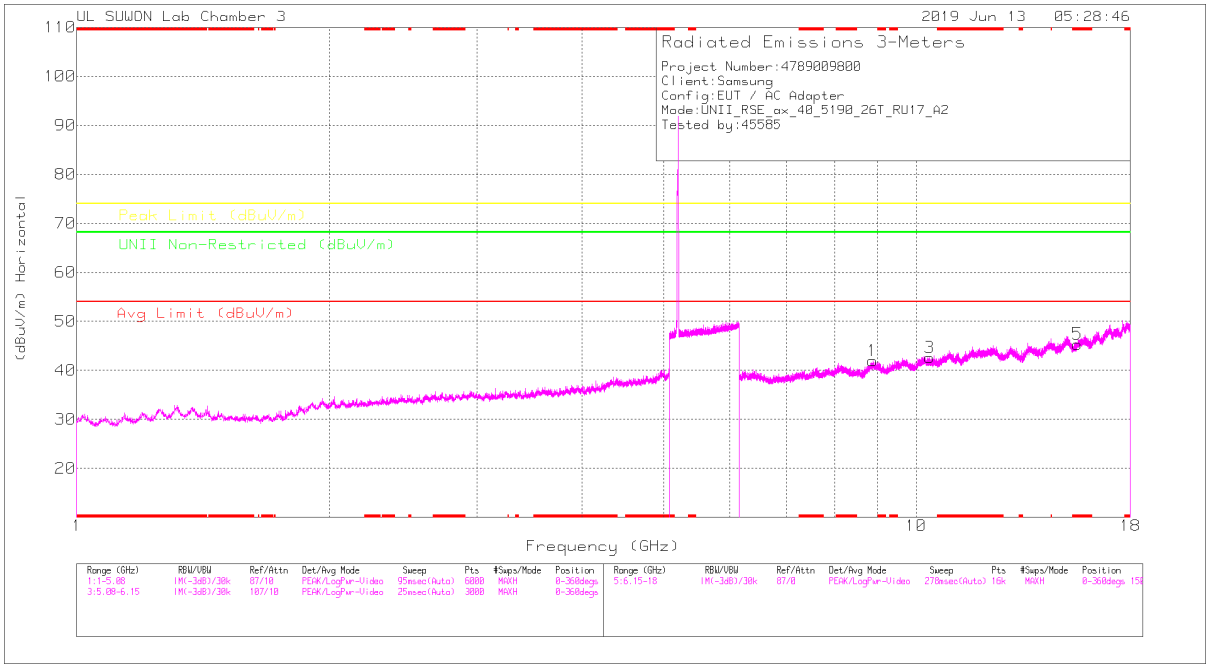
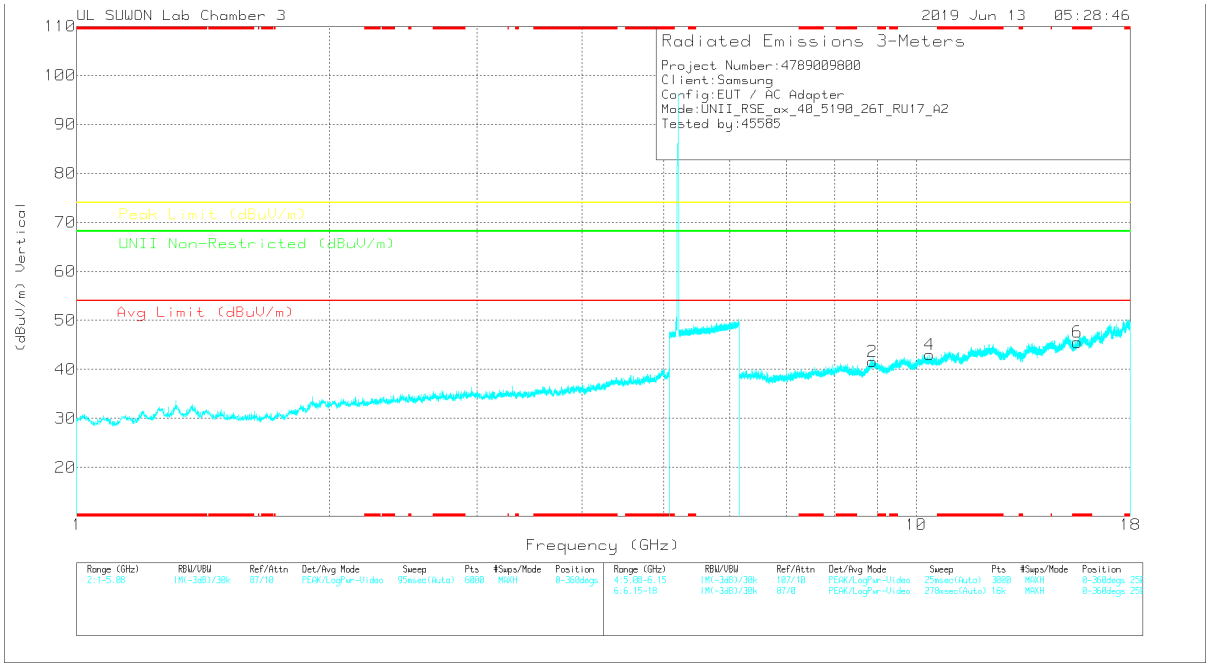
HE40 RU mode (ANT_2 / 26T / Low: 17, High: 17)

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.

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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	8.877	26.23	PK	36.5	-20.8	0	41.93	-	-	-	-	68.2	-26.27	0-360	150	H
3	10.382	24.1	PK	37.6	-19.1	0	42.6	-	-	-	-	68.2	-25.6	0-360	150	H
5	* 15.569	24.75	PK	40.2	-19.6	0	45.35	-	-	74	-28.65	-	-	0-360	150	H
2	8.873	25.85	PK	36.5	-20.8	0	41.55	-	-	-	-	68.2	-26.65	0-360	250	V
4	10.38	24.58	PK	37.6	-19.2	0	42.98	-	-	-	-	68.2	-25.22	0-360	250	V
6	* 15.568	24.91	PK	40.2	-19.6	0	45.51	-	-	74	-28.49	-	-	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).

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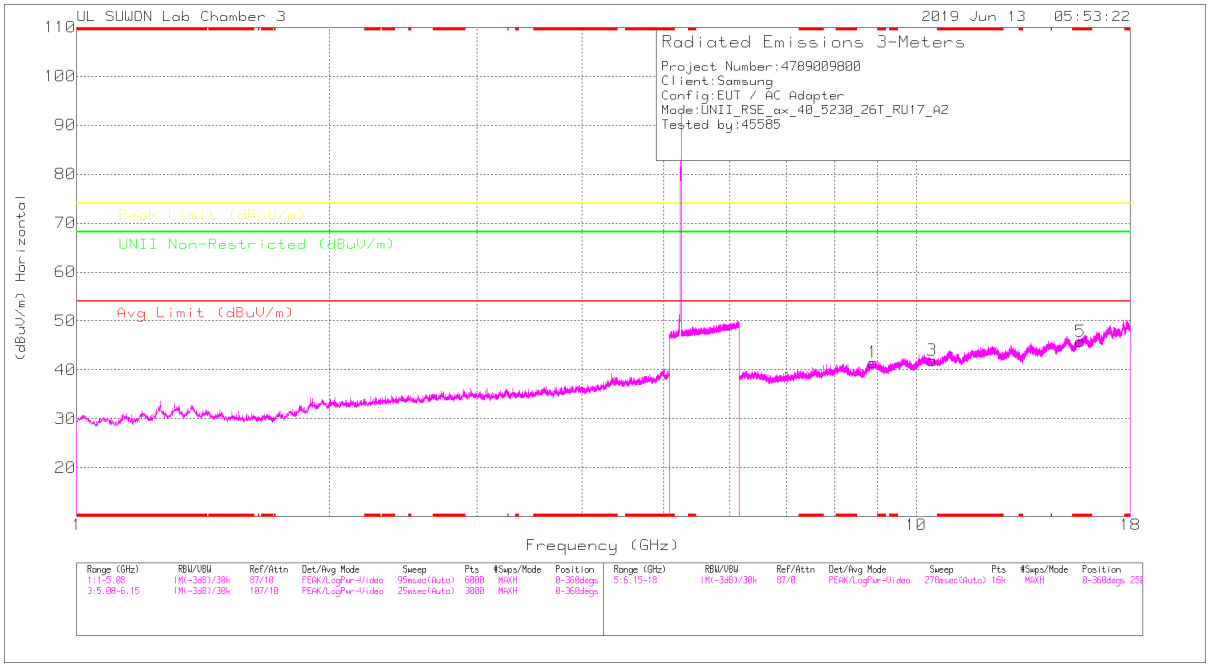
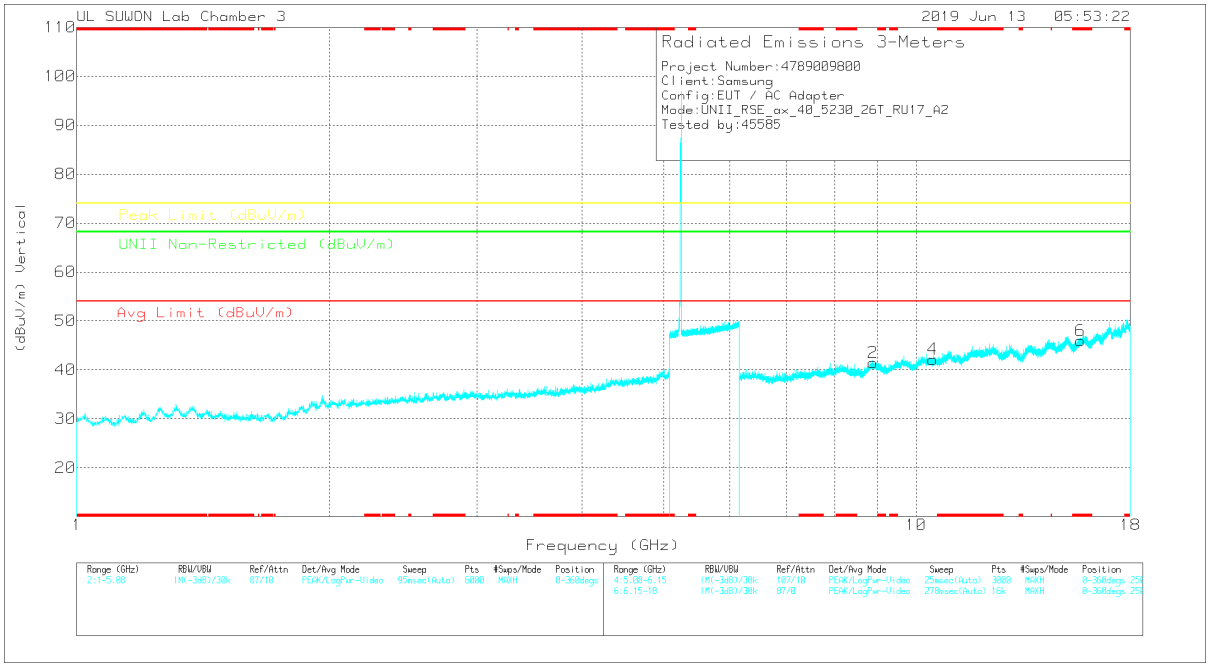
HIGH CHANNEL HORIZONTAL



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.

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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	8.89	25.92	PK	36.5	-20.9	0	41.52	-	-	-	-	68.2	-26.68	0-360	150	H
3	10.453	23.5	PK	37.7	-19.3	0	41.9	-	-	-	-	68.2	-26.3	0-360	150	H
5	* 15.687	24.68	PK	40.4	-19.3	0	45.78	-	-	74	-28.22	-	-	0-360	250	H
2	8.885	25.83	PK	36.5	-20.9	0	41.43	-	-	-	-	68.2	-26.77	0-360	150	V
4	10.46	23.74	PK	37.7	-19.3	0	42.14	-	-	-	-	68.2	-26.06	0-360	150	V
6	* 15.691	24.87	PK	40.4	-19.3	0	45.97	-	-	74	-28.03	-	-	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).

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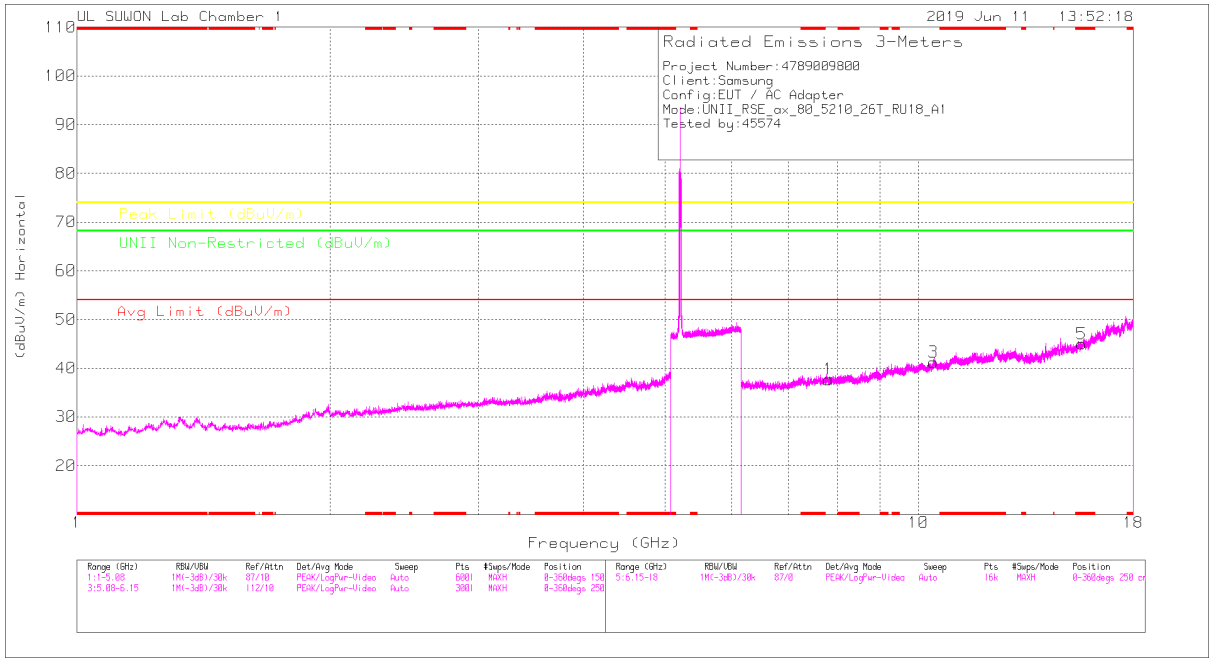
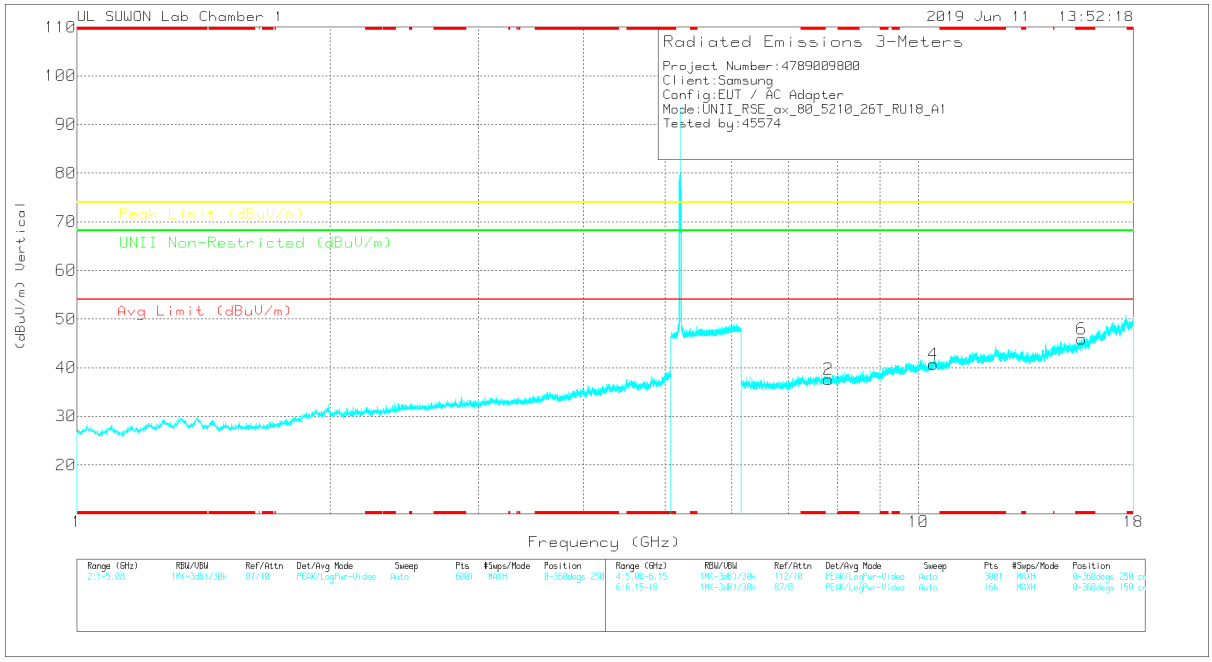
HE80 RU mode (ANT_1 / 26T / Mid: 18)

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.

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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	7.8163	28.38	PK	35.9	-26.6	0	37.68	-	-	-	-	68.2	-30.52	0-360	250	H
3	10.42018	25.09	PK	37.6	-21.5	0	41.19	-	-	-	-	68.2	-27.01	0-360	250	H
5	* 15.62719	26.03	PK	40.3	-21.4	0	44.93	-	-	74	-29.07	-	-	0-360	150	H
2	7.81704	28.33	PK	35.9	-26.6	0	37.63	-	-	-	-	68.2	-30.57	0-360	250	V
4	10.41944	24.61	PK	37.6	-21.5	0	40.71	-	-	-	-	68.2	-27.49	0-360	150	V
6	* 15.62867	26.92	PK	40.3	-21.3	0	45.92	-	-	74	-28.08	-	-	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).

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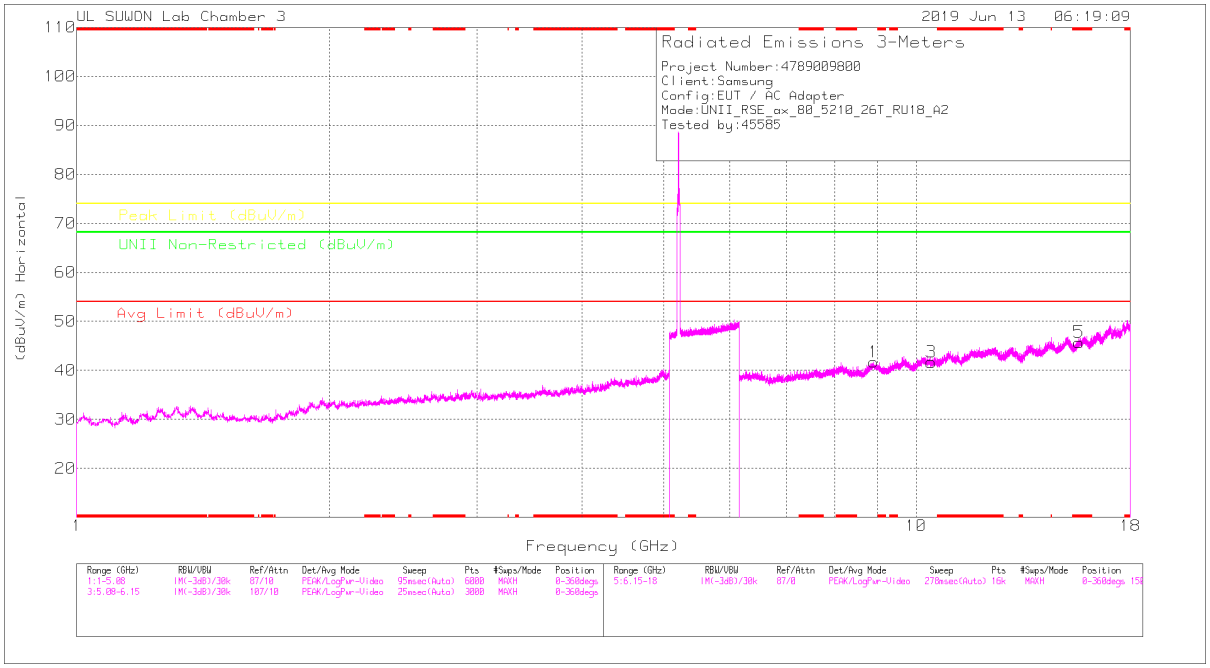
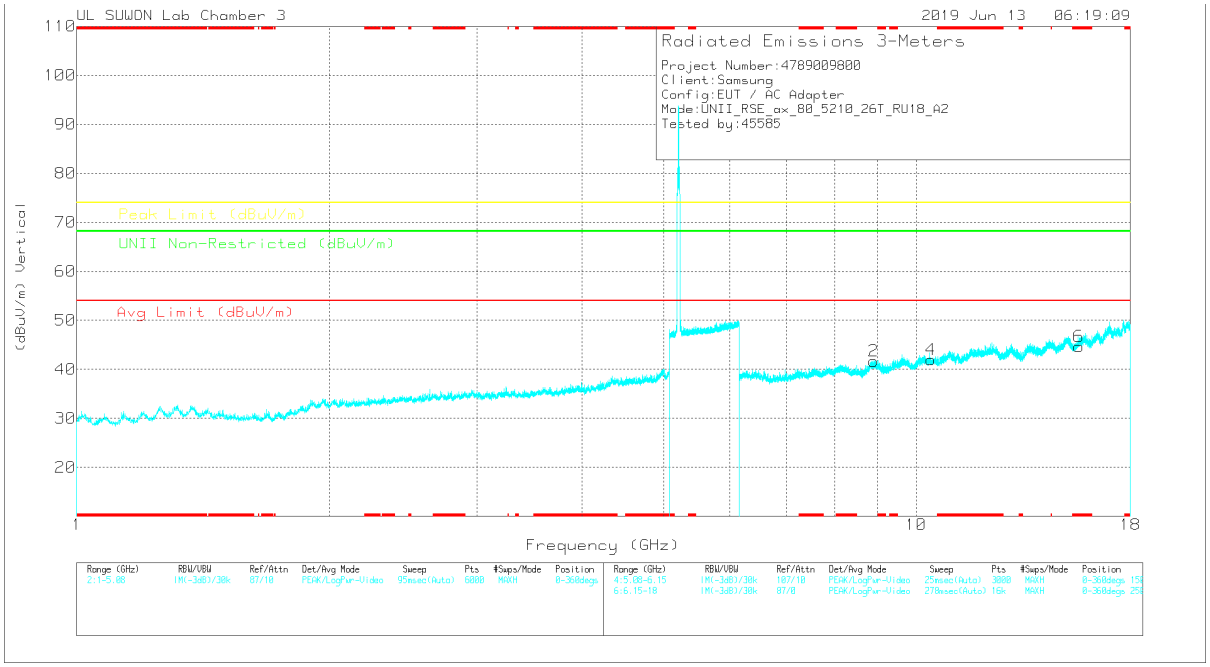
HE80 RU mode (ANT_2 / 26T / Mid: 18)

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.

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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	8.894	26.19	PK	36.5	-21	0	41.69	-	-	-	-	68.2	-26.51	0-360	150	H
3	10.421	23.36	PK	37.6	-19.3	0	41.66	-	-	-	-	68.2	-26.54	0-360	150	H
5	* 15.63	24.84	PK	40.3	-19.4	0	45.74	-	-	74	-28.26	-	-	0-360	250	H
2	8.897	26.17	PK	36.5	-21	0	41.67	-	-	-	-	68.2	-26.53	0-360	150	V
4	10.419	23.73	PK	37.6	-19.4	0	41.93	-	-	-	-	68.2	-26.27	0-360	250	V
6	* 15.631	23.78	PK	40.3	-19.4	0	44.68	-	-	74	-29.32	-	-	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).

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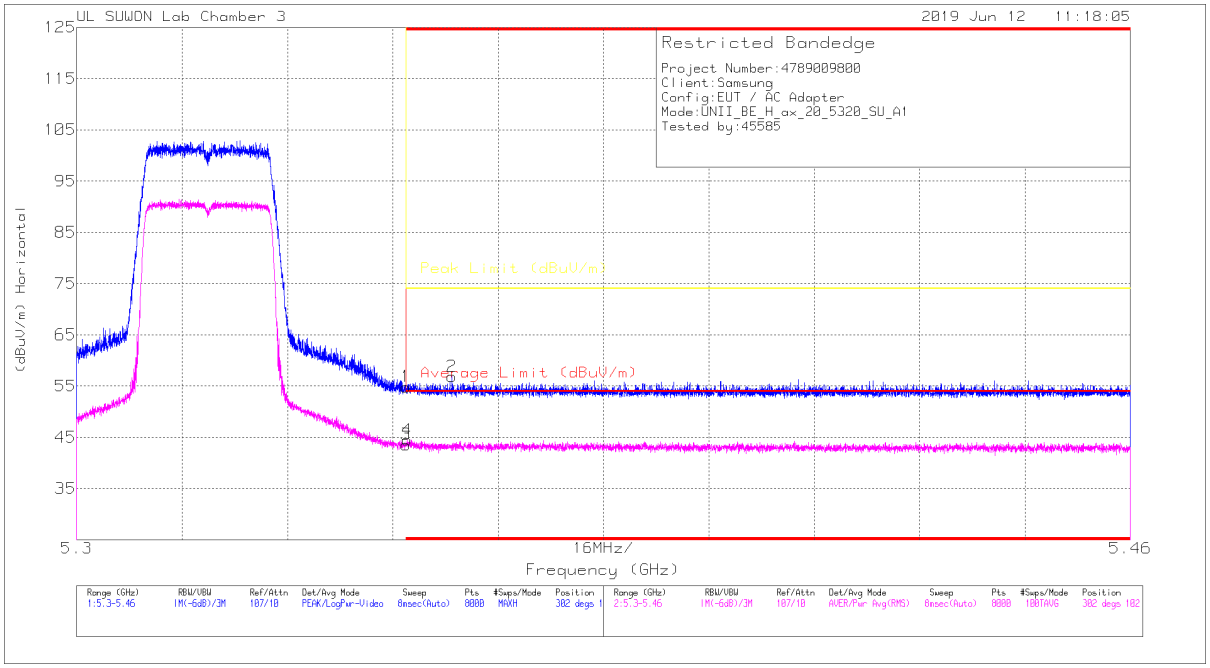
11.2. 5.3 GHz_1Tx (SISO)

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	38.85	Pk	34.7	-18.7	0	54.85	-	-	74	-19.15	302	102	H
2	* 5.357	40.85	Pk	34.7	-18.7	0	56.85	-	-	74	-17.15	302	102	H
3	* 5.35	27.97	RMS	34.7	-19.1	0	43.57	54	-10.43	-	-	302	102	H
4	* 5.35	28.88	RMS	34.7	-19.1	0	44.48	54	-9.52	-	-	302	102	H

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

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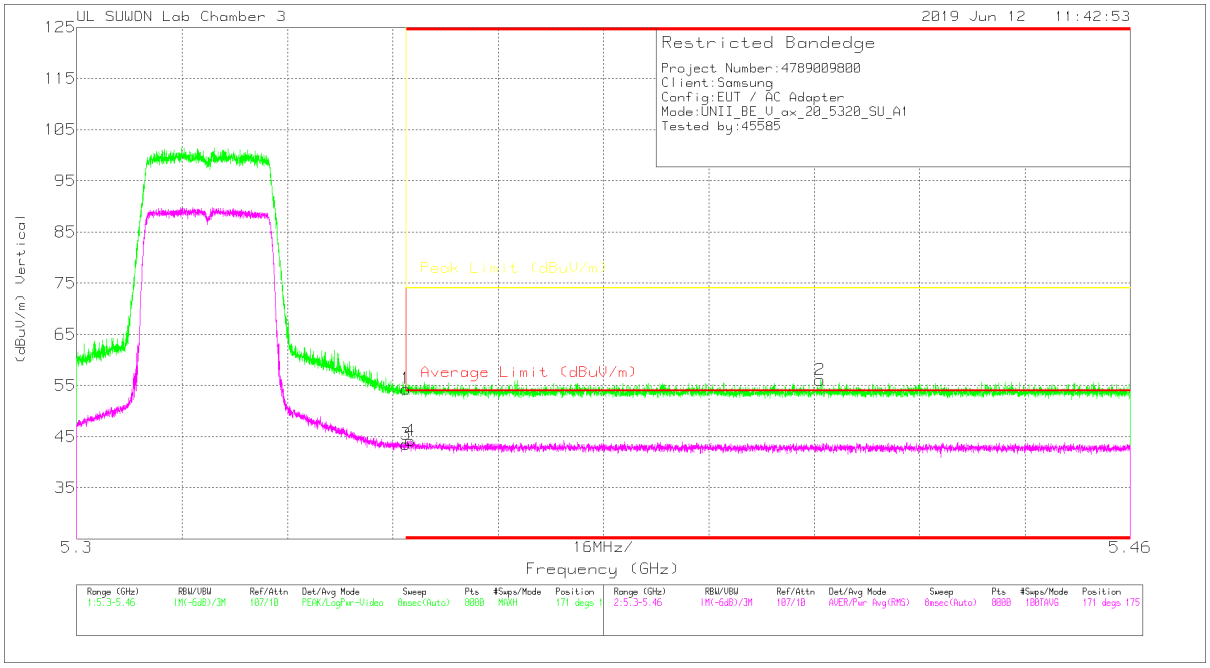
VERTICAL PEAK AND AVERAGE PLOT



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	38.36	Pk	34.7	-18.7	0	54.36	-	-	74	-19.64	171	175	V
2	* 5.413	40	Pk	34.7	-18.6	0	56.1	-	-	74	-17.9	171	175	V
3	* 5.35	27.96	RMS	34.7	-19.1	0	43.56	54	-10.44	-	-	171	175	V
4	* 5.351	28.66	RMS	34.7	-19.1	0	44.26	54	-9.74	-	-	171	175	V

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

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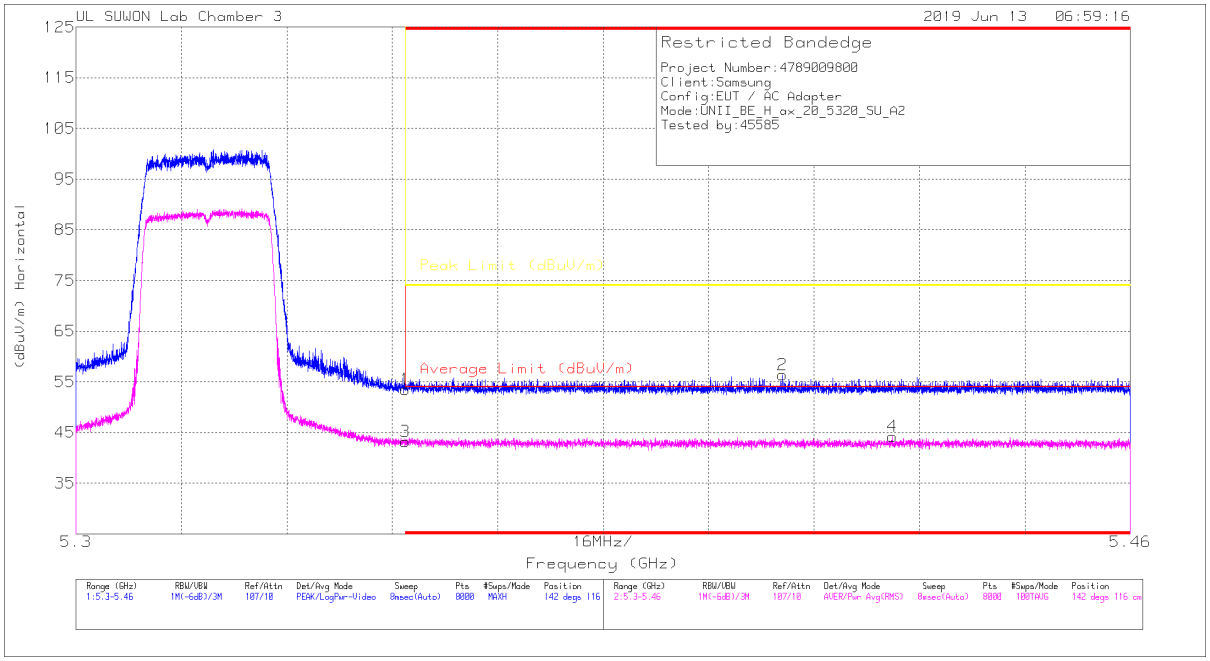
HE20 SU mode (ANT_2)

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	37.56	Pk	34.7	-18.7	0	53.56	-	-	74	-20.44	142	116	H
2	* 5.407	40.26	Pk	34.7	-18.6	0	56.36	-	-	74	-17.64	142	116	H
3	* 5.35	27.58	RMS	34.7	-19.1	0	43.18	54	-10.82	-	-	142	116	H
4	* 5.424	28.48	RMS	34.7	-19	0	44.18	54	-9.82	-	-	142	116	H

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

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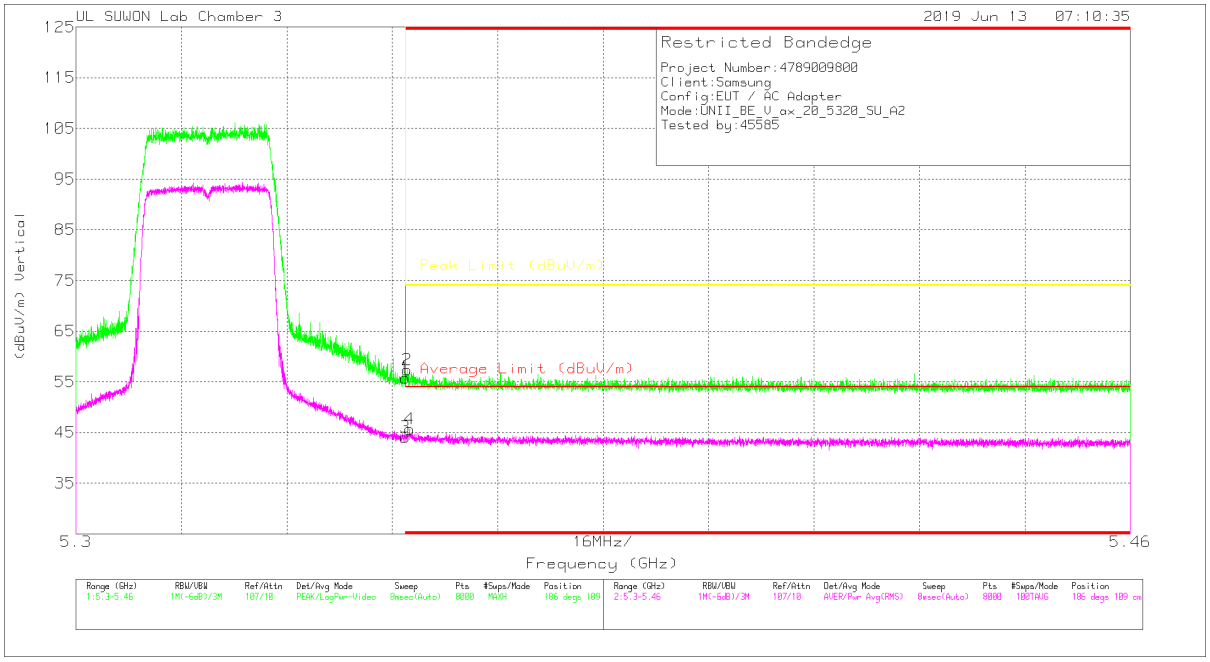
VERTICAL PEAK AND AVERAGE PLOT



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	39.81	Pk	34.7	-18.7	0	55.81	-	-	74	-18.19	186	109	V
2	* 5.35	41.37	Pk	34.7	-18.7	0	57.37	-	-	74	-16.63	186	109	V
3	* 5.35	28.48	RMS	34.7	-19.1	0	44.08	54	-9.92	-	-	186	109	V
4	* 5.351	30.04	RMS	34.7	-19.1	0	45.64	54	-8.36	-	-	186	109	V

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

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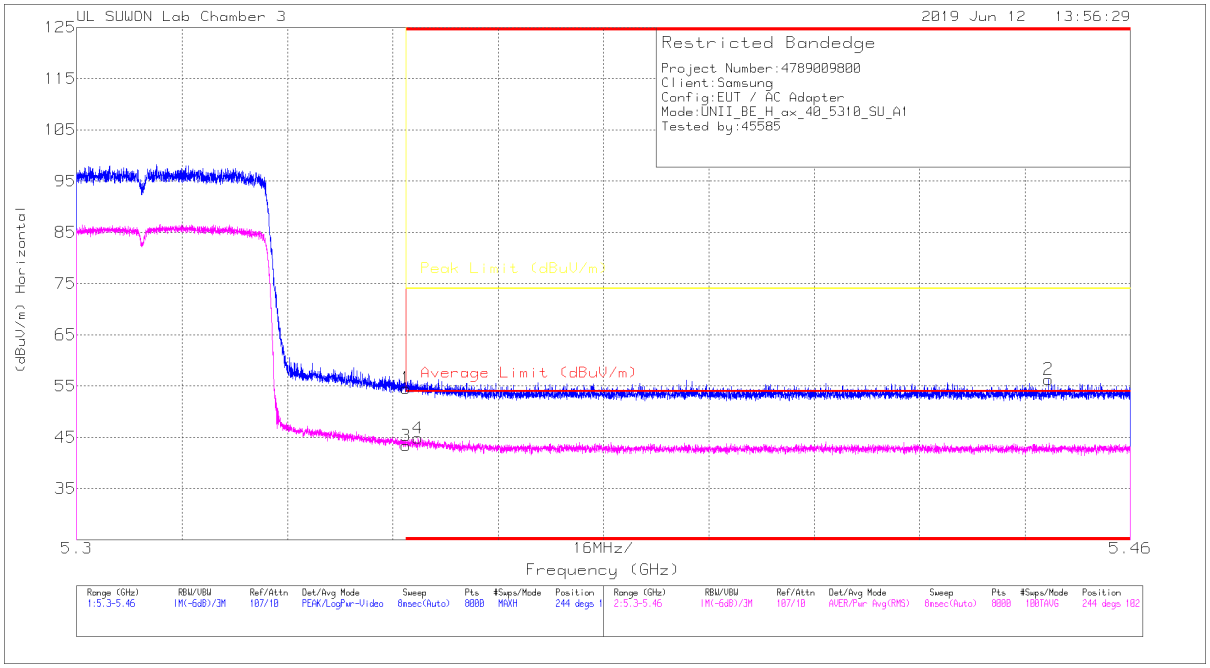
HE40 SU mode (ANT_1)

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	38.59	Pk	34.7	-18.7	0	54.59	-	-	74	-19.41	244	102	H
2	* 5.448	40.11	Pk	34.7	-18.5	0	56.31	-	-	74	-17.69	244	102	H
3	* 5.35	27.78	RMS	34.7	-19.1	0	43.38	54	-10.62	-	-	244	102	H
4	* 5.352	29.24	RMS	34.7	-19.1	0	44.84	54	-9.16	-	-	244	102	H

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

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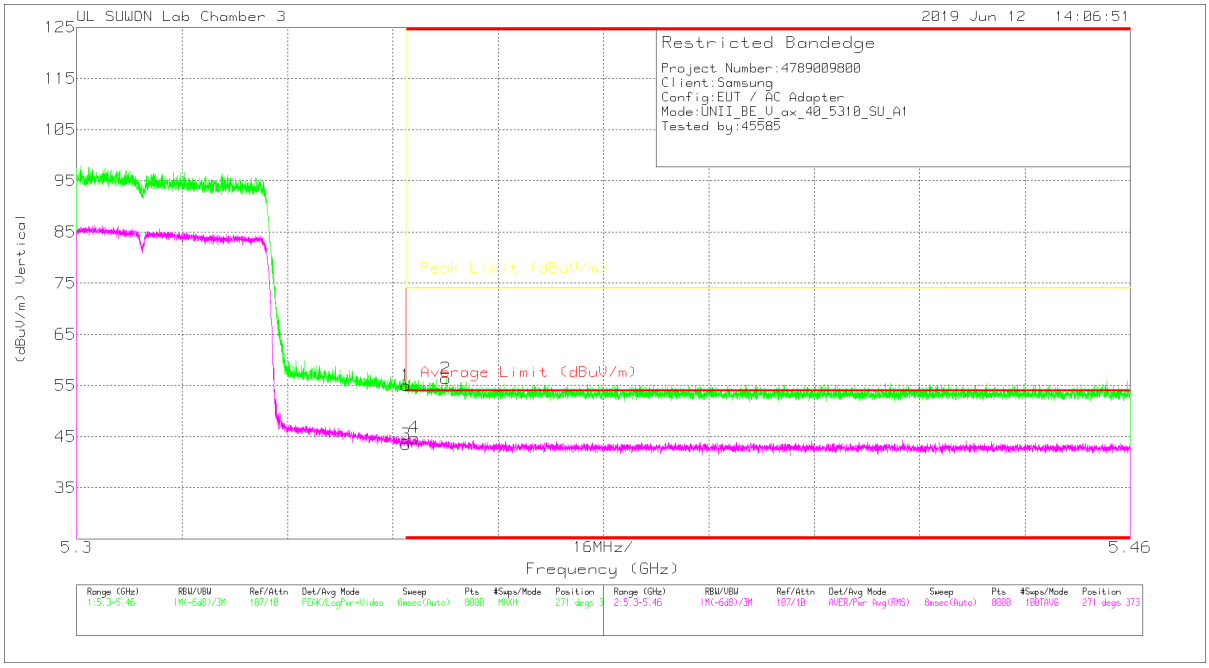
VERTICAL PEAK AND AVERAGE PLOT



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	39.02	Pk	34.7	-18.7	0	55.02	-	-	74	-18.98	271	373	V
2	* 5.356	40.47	Pk	34.7	-18.8	0	56.37	-	-	74	-17.63	271	373	V
3	* 5.35	27.89	RMS	34.7	-19.1	0	43.49	54	-10.51	-	-	271	373	V
4	* 5.351	29.2	RMS	34.7	-19.1	0	44.8	54	-9.2	-	-	271	373	V

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

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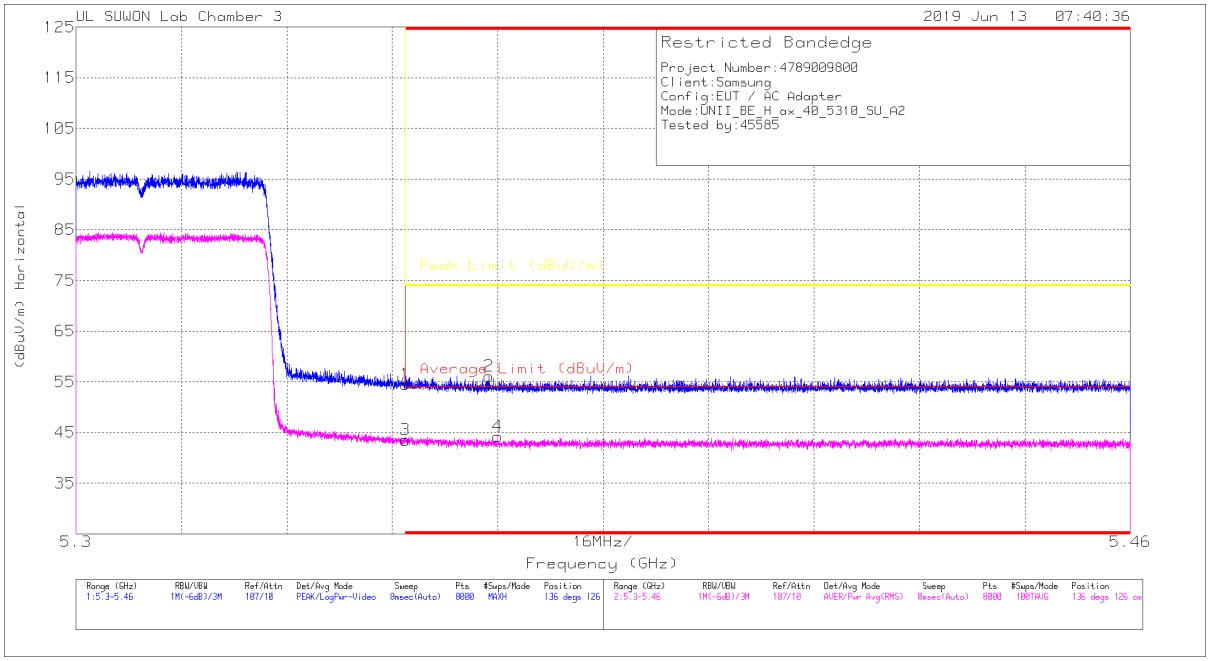
HE40 SU mode (ANT_2)

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	38.51	Pk	34.7	-18.7	0	54.51	-	-	74	-19.49	136	126	H
2	* 5.363	40.27	Pk	34.7	-18.8	0	56.17	-	-	74	-17.83	136	126	H
3	* 5.35	27.93	RMS	34.7	-19.1	0	43.53	54	-10.47	-	-	136	126	H
4	* 5.364	28.62	RMS	34.7	-19.1	0	44.22	54	-9.78	-	-	136	126	H

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

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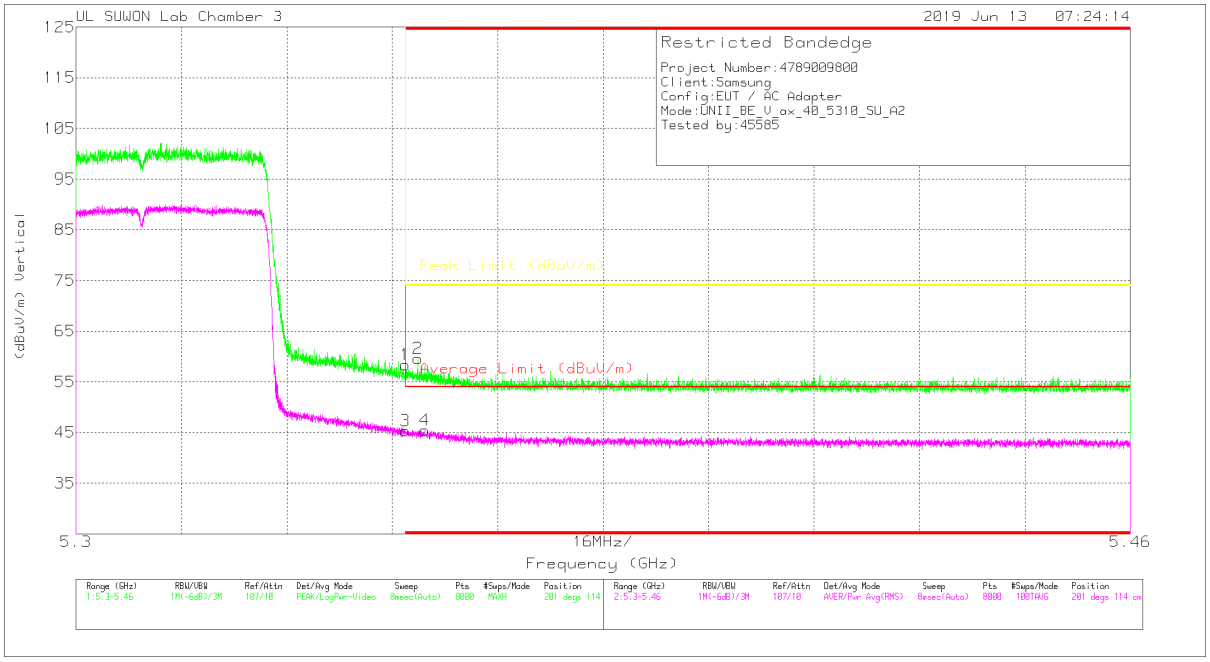
VERTICAL PEAK AND AVERAGE PLOT



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	42.32	Pk	34.7	-18.7	0	58.32	-	-	74	-15.68	201	114	V
2	* 5.352	43.66	Pk	34.7	-18.7	0	59.66	-	-	74	-14.34	201	114	V
3	* 5.35	29.74	RMS	34.7	-19.1	0	45.34	54	-8.66	-	-	201	114	V
4	* 5.353	29.9	RMS	34.7	-19.1	0	45.5	54	-8.5	-	-	201	114	V

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

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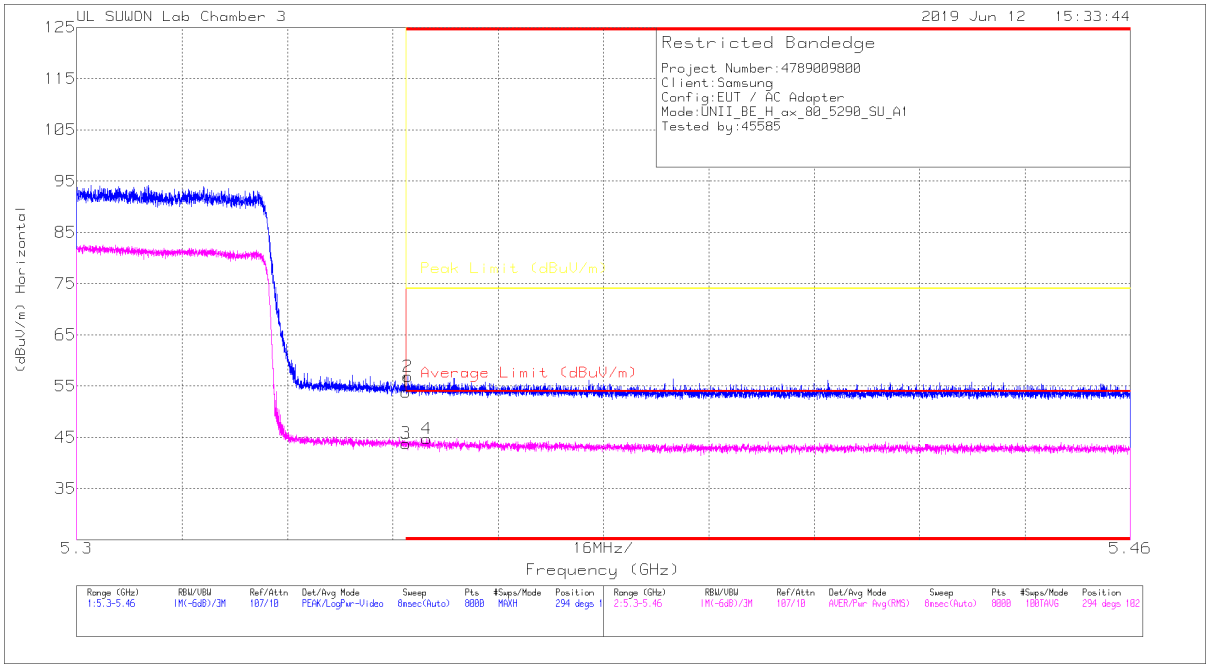
HE80 SU mode (ANT_1)

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	37.81	Pk	34.7	-18.7	0	53.81	-	-	74	-20.19	294	102	H
2	* 5.35	40.86	Pk	34.7	-18.7	0	56.86	-	-	74	-17.14	294	102	H
3	* 5.35	28.21	RMS	34.7	-19.1	0	43.81	54	-10.19	-	-	294	102	H
4	* 5.353	29.14	RMS	34.7	-19.1	0	44.74	54	-9.26	-	-	294	102	H

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

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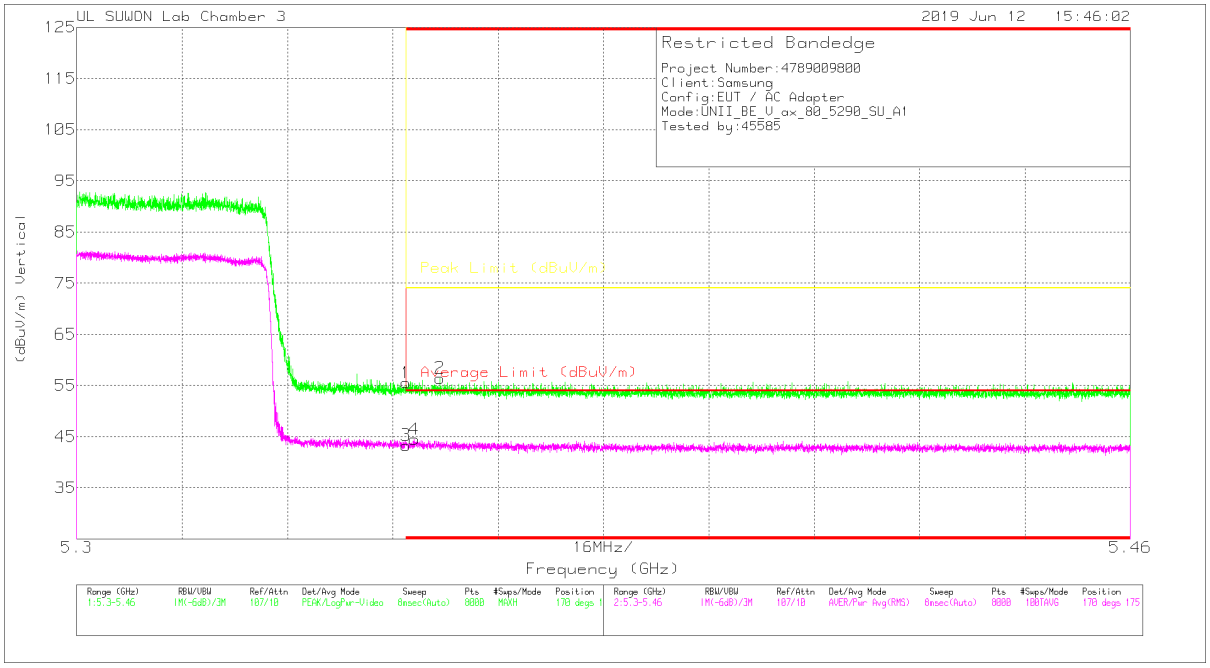
VERTICAL PEAK AND AVERAGE PLOT



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	39.52	Pk	34.7	-18.7	0	55.52	-	-	74	-18.48	170	175	V
2	* 5.355	40.53	Pk	34.7	-18.8	0	56.43	-	-	74	-17.57	170	175	V
3	* 5.35	27.71	RMS	34.7	-19.1	0	43.31	54	-10.69	-	-	170	175	V
4	* 5.351	28.91	RMS	34.7	-19.1	0	44.51	54	-9.49	-	-	170	175	V

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

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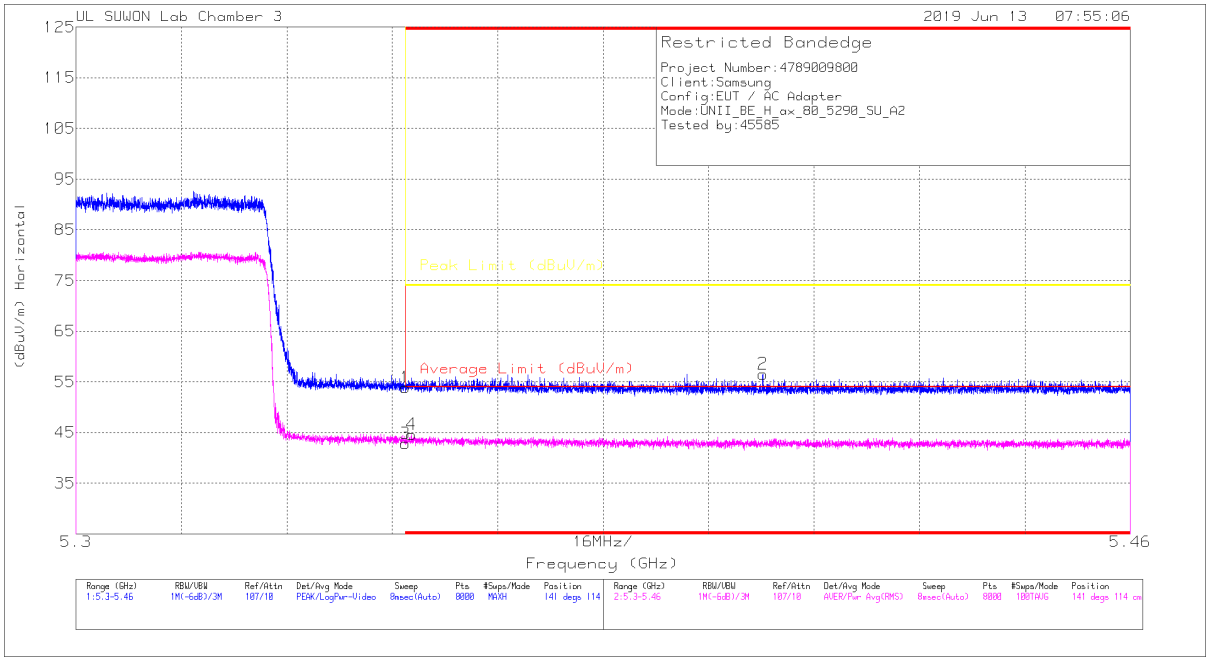
HE80 SU mode (ANT_2)

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	37.9	Pk	34.7	-18.7	0	53.9	-	-	74	-20.1	141	114	H
2	* 5.404	40.46	Pk	34.7	-18.6	0	56.56	-	-	74	-17.44	141	114	H
3	* 5.35	27.23	RMS	34.7	-19.1	0	42.83	54	-11.17	-	-	141	114	H
4	* 5.351	29.04	RMS	34.7	-19.1	0	44.64	54	-9.36	-	-	141	114	H

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

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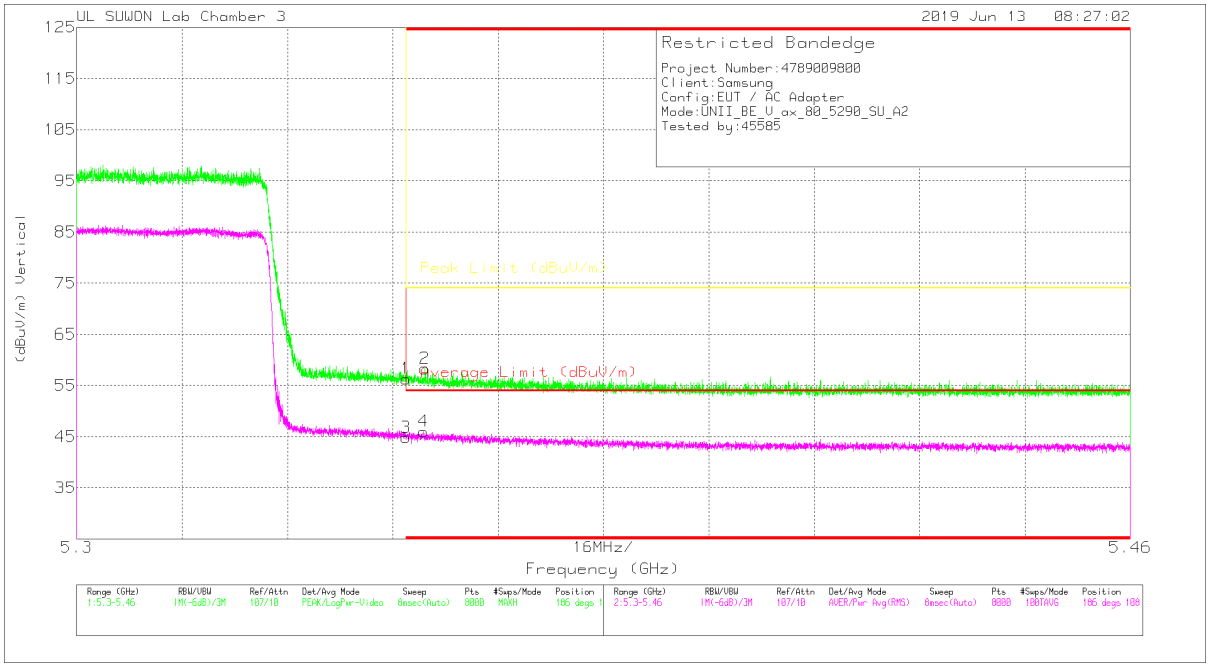
VERTICAL PEAK AND AVERAGE PLOT



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	40.33	Pk	34.7	-18.7	0	56.33	-	-	74	-17.67	186	108	V
2	* 5.353	42.4	Pk	34.7	-18.8	0	58.3	-	-	74	-15.7	186	108	V
3	* 5.35	29.25	RMS	34.7	-19.1	0	44.85	54	-9.15	-	-	186	108	V
4	* 5.353	30.42	RMS	34.7	-19.1	0	46.02	54	-7.98	-	-	186	108	V

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

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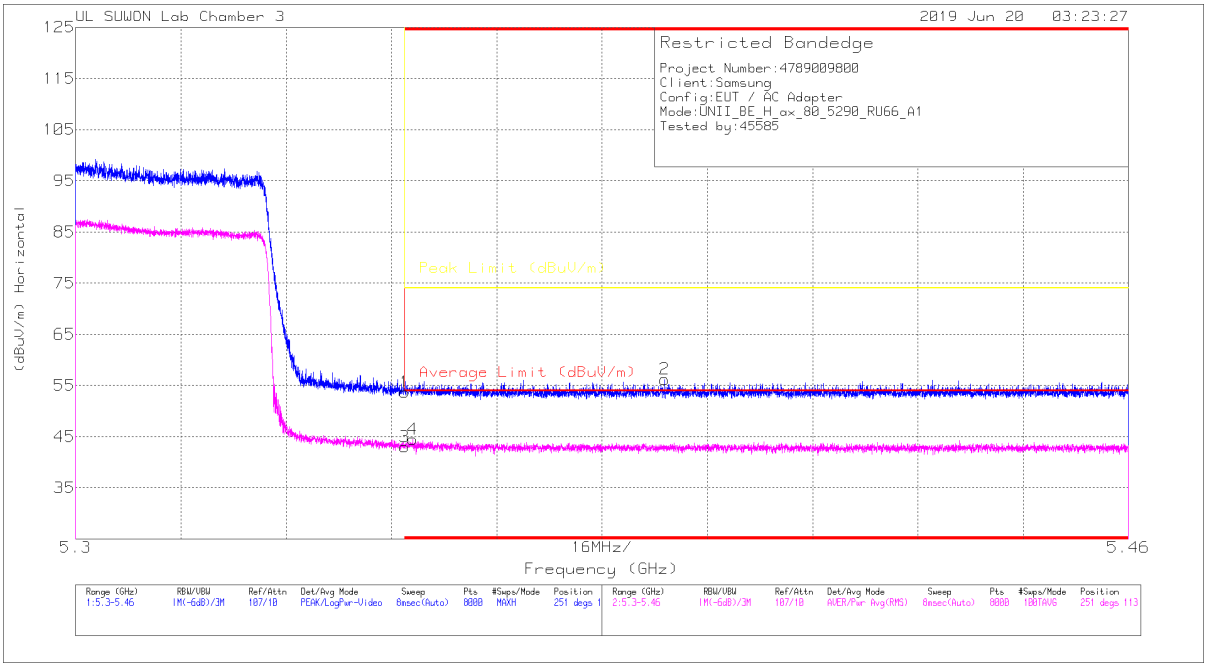
484T RU mode (ANT_1 / HE80 / RU offset 66)

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	37.71	Pk	34.7	-18.7	0	53.71	-	-	74	-20.29	251	113	H
2	* 5.389	40.11	Pk	34.7	-18.6	0	56.21	-	-	74	-17.79	251	113	H
3	* 5.35	27.42	RMS	34.7	-19.1	0	43.02	54	-10.98	-	-	251	113	H
4	* 5.351	28.86	RMS	34.7	-19.1	0	44.46	54	-9.54	-	-	251	113	H

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

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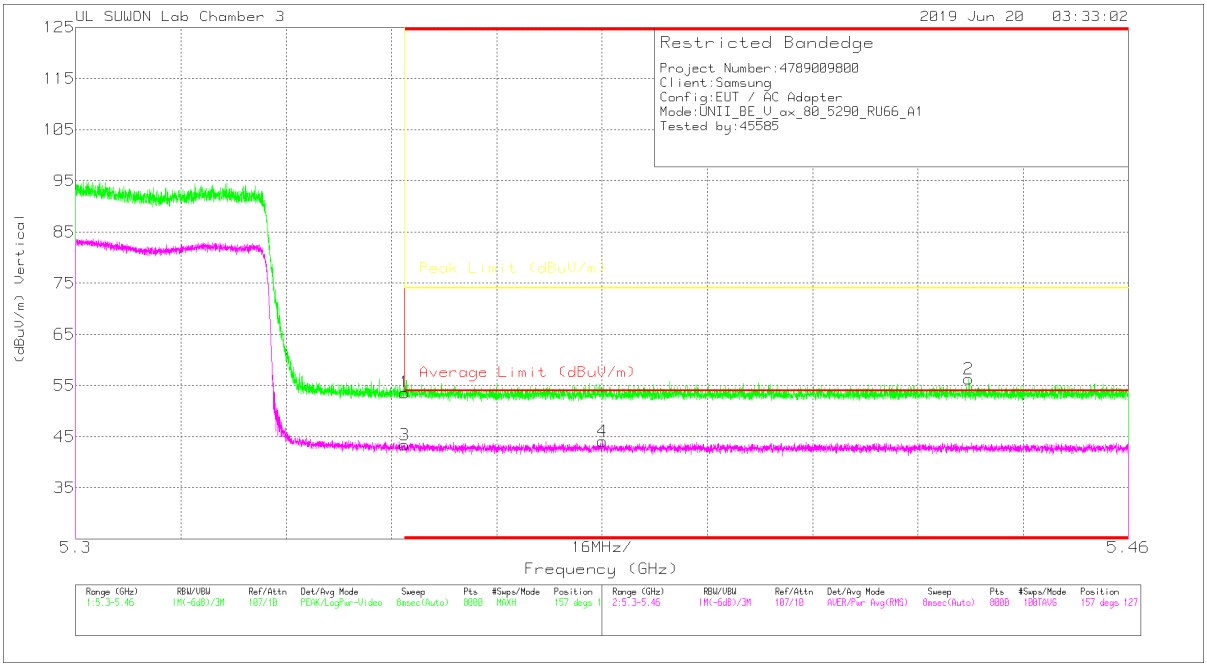
VERTICAL PEAK AND AVERAGE PLOT



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	37.63	Pk	34.7	-18.7	0	53.63	-	-	74	-20.37	157	127	V
2	* 5.436	40.05	Pk	34.7	-18.5	0	56.25	-	-	74	-17.75	157	127	V
3	* 5.35	27.75	RMS	34.7	-19.1	0	43.35	54	-10.65	-	-	157	127	V
4	* 5.38	28.53	RMS	34.7	-19.1	0	44.13	54	-9.87	-	-	157	127	V

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

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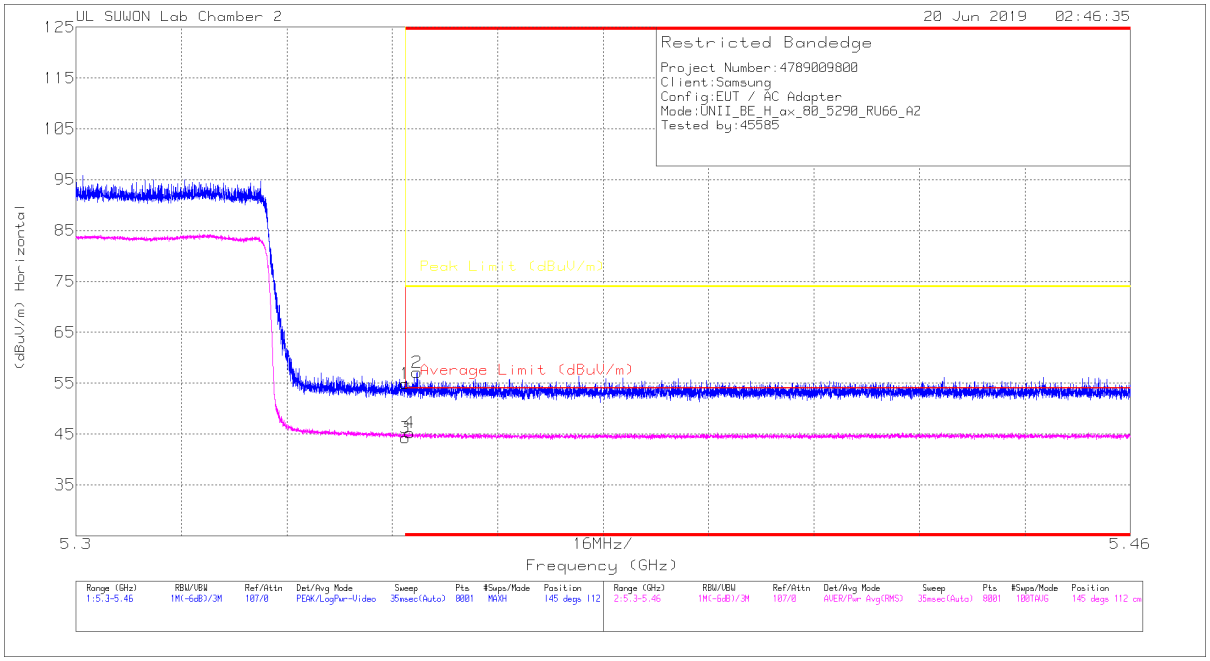
484T RU mode (ANT_2 / HE80 / RU offset 66)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	38.49	Pk	34.5	-18.1	0	54.89	-	-	74	-19.11	145	112	H
2	* 5.352	40.74	Pk	34.5	-18.1	0	57.14	-	-	74	-16.86	145	112	H
3	* 5.35	26.88	RMS	34.5	-17.1	0	44.28	54	-9.72	-	-	145	112	H
4	* 5.351	27.9	RMS	34.5	-17.1	0	45.3	54	-8.7	-	-	145	112	H

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

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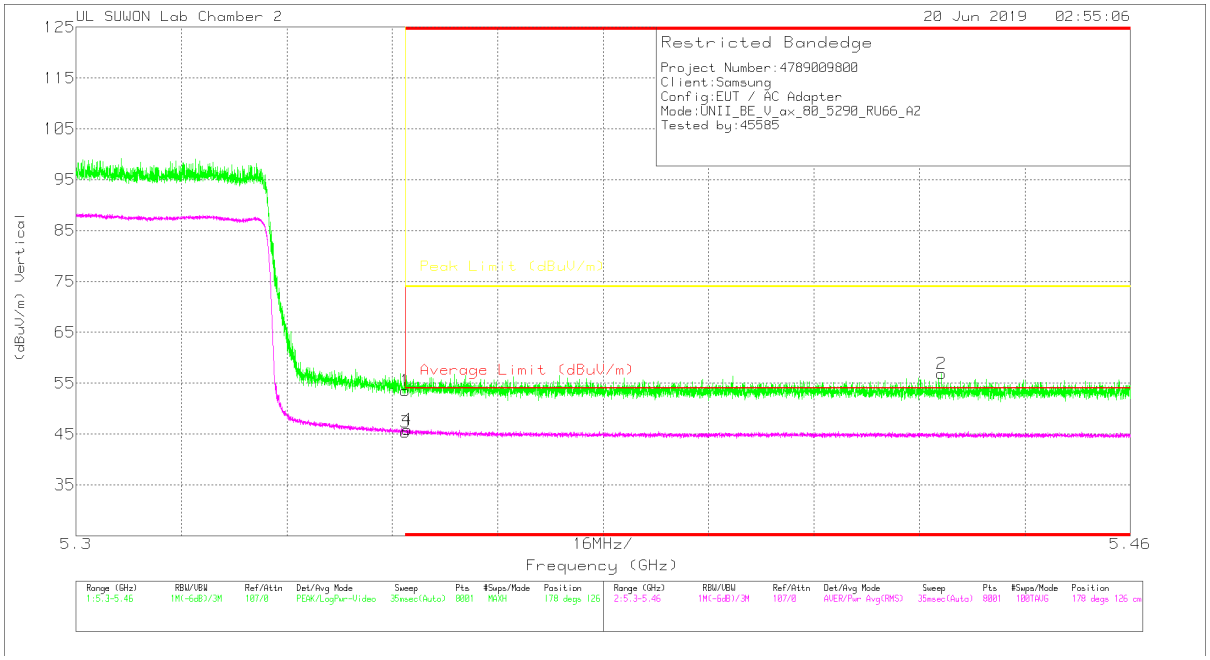
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	37.14	Pk	34.5	-18.1	0	53.54	-	-	74	-20.46	178	126	V
2	* 5.431	40.48	Pk	34.5	-18.1	0	56.88	-	-	74	-17.12	178	126	V
3	* 5.35	27.95	RMS	34.5	-17.1	0	45.35	54	-8.65	-	-	178	126	V
4	* 5.35	28.44	RMS	34.5	-17.1	0	45.84	54	-8.16	-	-	178	126	V

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

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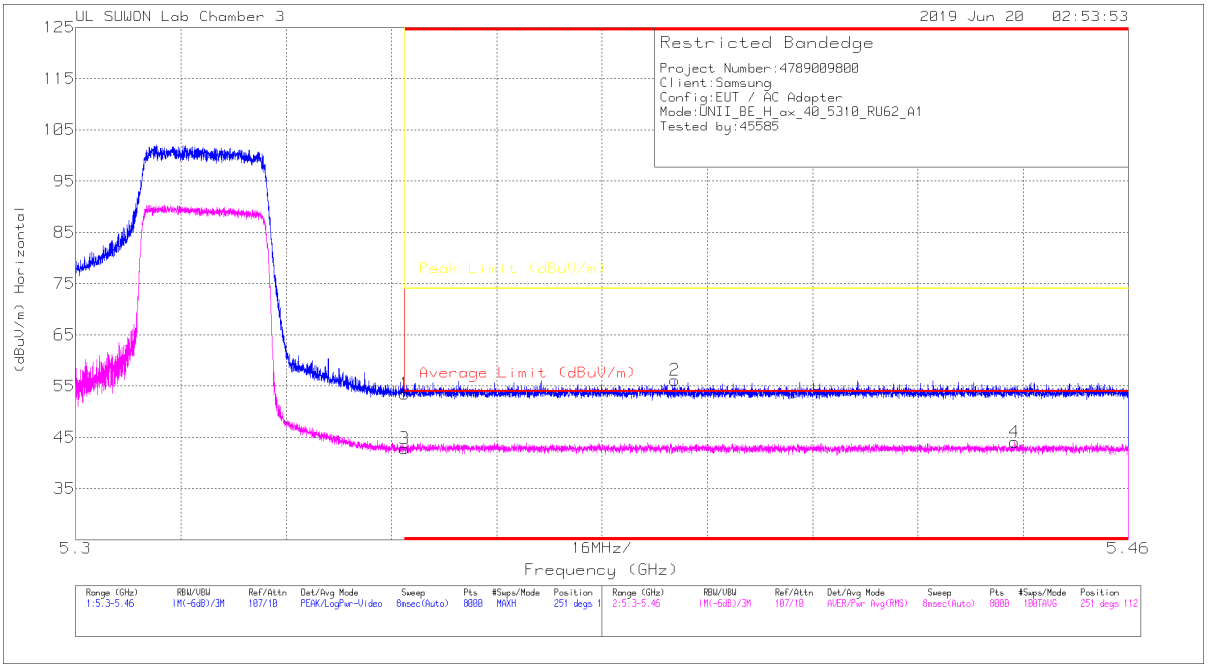
242T RU mode (ANT_1 / HE40 / RU offset 62)

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	37.49	Pk	34.7	-18.7	0	53.49	-	-	74	-20.51	251	112	H
2	* 5.391	40.17	Pk	34.7	-18.7	0	56.17	-	-	74	-17.83	251	112	H
3	* 5.35	27.2	RMS	34.7	-19.1	0	42.8	54	-11.2	-	-	251	112	H
4	* 5.443	28.38	RMS	34.7	-19	0	44.08	54	-9.92	-	-	251	112	H

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

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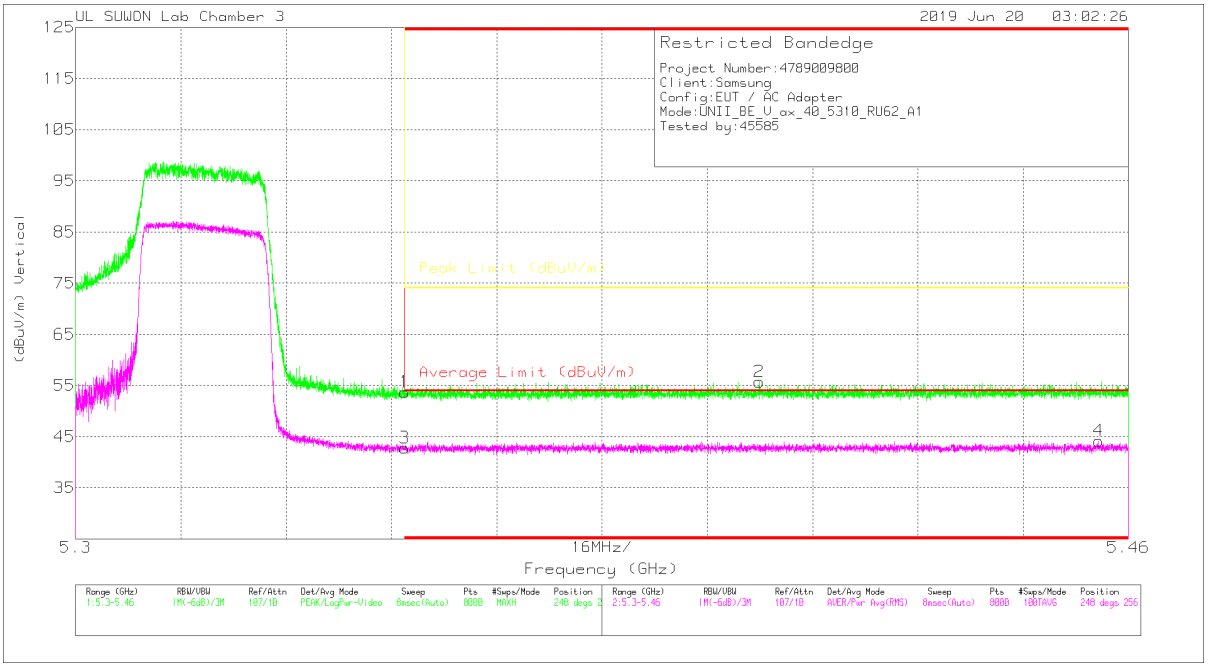
VERTICAL PEAK AND AVERAGE PLOT



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	37.74	Pk	34.7	-18.7	0	53.74	-	-	74	-20.26	248	256	V
2	* 5.404	39.63	Pk	34.7	-18.6	0	55.73	-	-	74	-18.27	248	256	V
3	* 5.35	27.21	RMS	34.7	-19.1	0	42.81	54	-11.19	-	-	248	256	V
4	* 5.455	28.49	RMS	34.7	-19	0	44.19	54	-9.81	-	-	248	256	V

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

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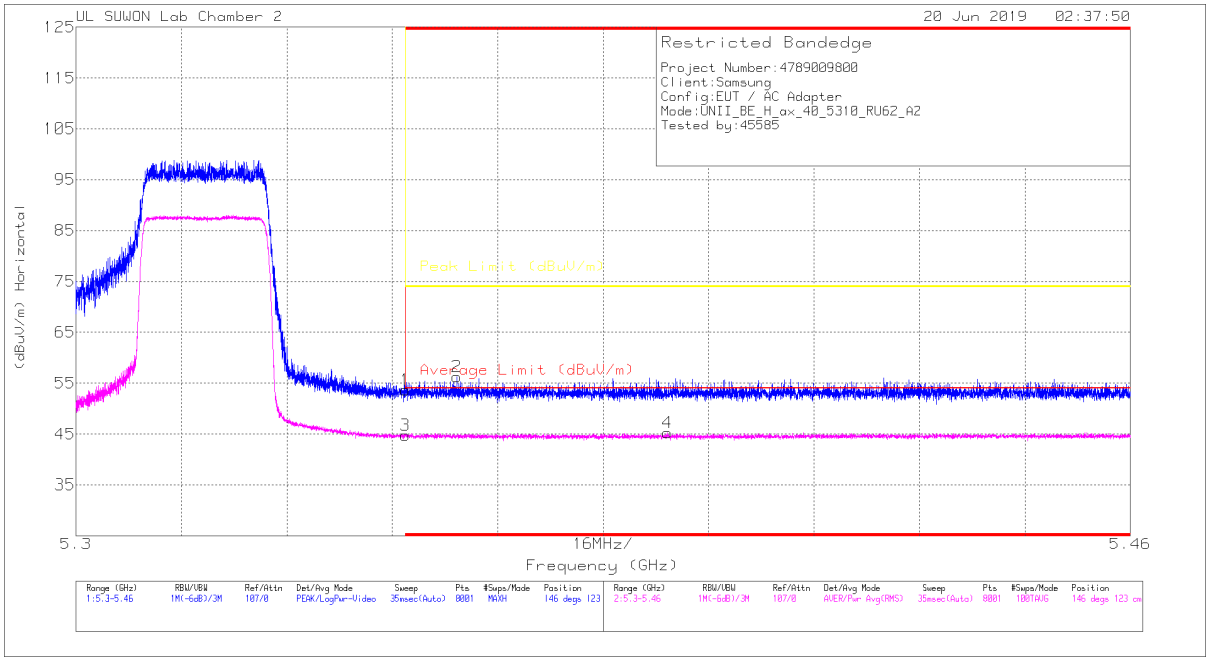
242T RU mode (ANT_2 / HE40 / RU offset 62)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	37.25	Pk	34.5	-18.1	0	53.65	-	-	74	-20.35	146	123	H
2	* 5.358	39.85	Pk	34.5	-18.1	0	56.25	-	-	74	-17.75	146	123	H
3	* 5.35	27.35	RMS	34.5	-17.1	0	44.75	54	-9.25	-	-	146	123	H
4	* 5.39	27.76	RMS	34.5	-17	0	45.26	54	-8.74	-	-	146	123	H

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

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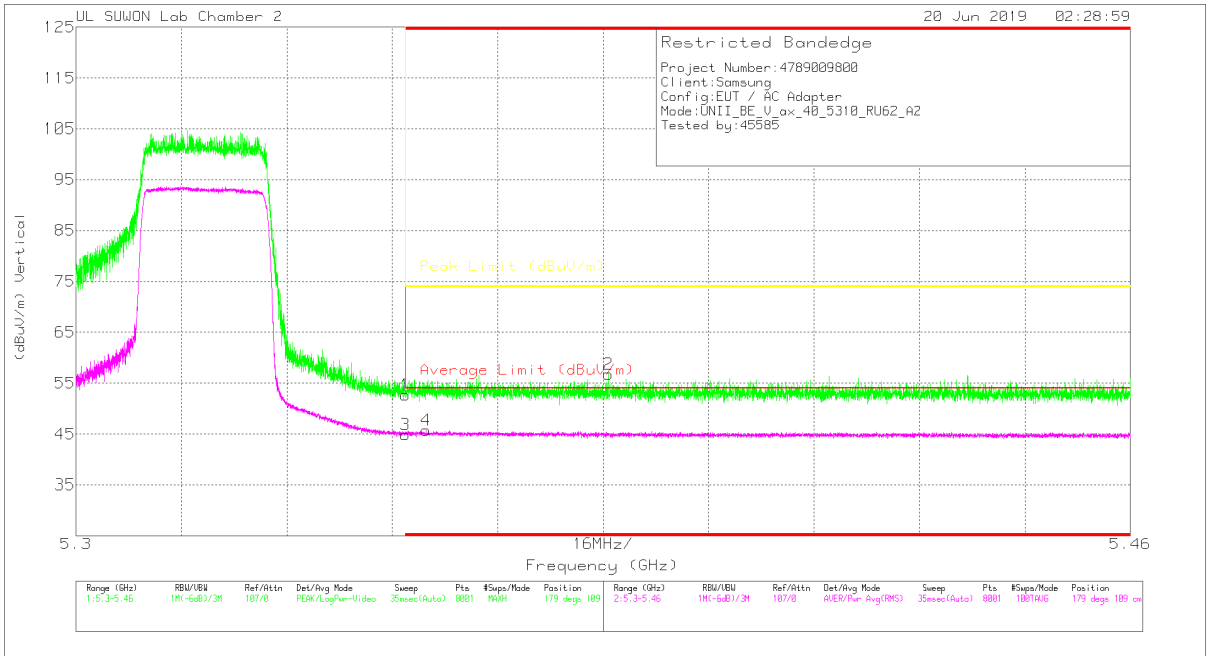
VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	36.29	Pk	34.5	-18.1	0	52.69	-	-	74	-21.31	179	109	V
2	* 5.381	40.49	Pk	34.5	-18.2	0	56.79	-	-	74	-17.21	179	109	V
3	* 5.35	27.48	RMS	34.5	-17.1	0	44.88	54	-9.12	-	-	179	109	V
4	* 5.353	28.33	RMS	34.5	-17.1	0	45.73	54	-8.27	-	-	179	109	V

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

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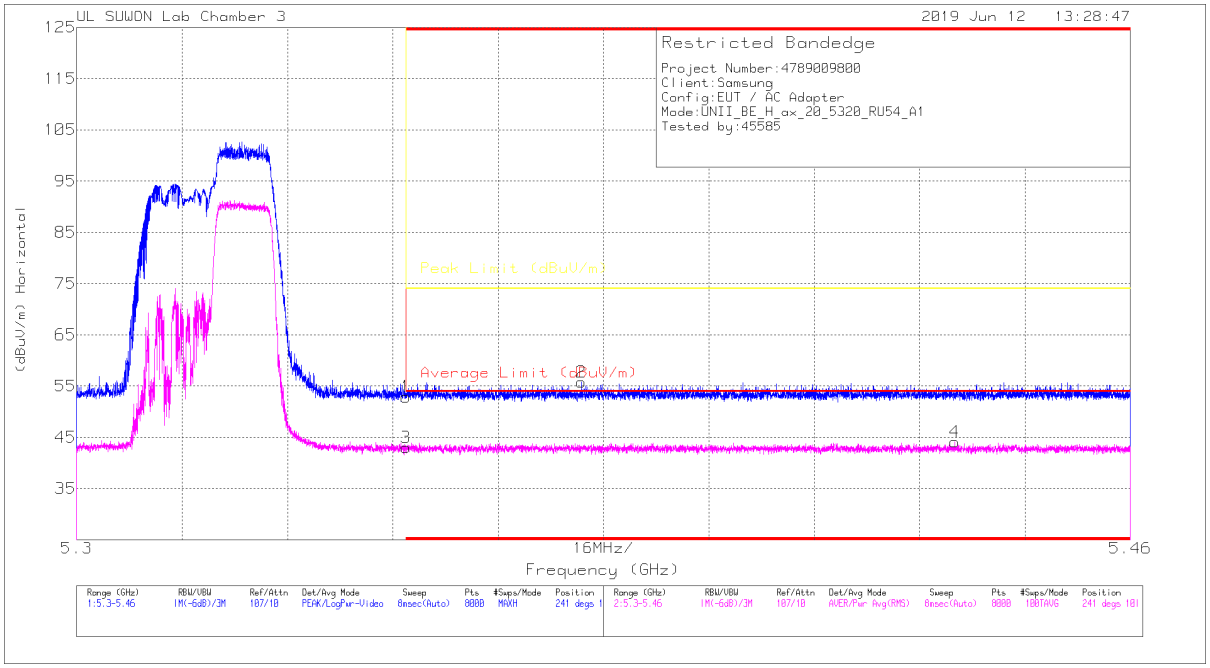
106T RU mode (ANT_1 / HE20 / RU offset 54)

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	36.9	Pk	34.7	-18.7	0	52.9	-	-	74	-21.1	241	101	H
2	* 5.377	39.78	Pk	34.7	-18.7	0	55.78	-	-	74	-18.22	241	101	H
3	* 5.35	27.41	RMS	34.7	-19.1	0	43.01	54	-10.99	-	-	241	101	H
4	* 5.433	28.41	RMS	34.7	-19	0	44.11	54	-9.89	-	-	241	101	H

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

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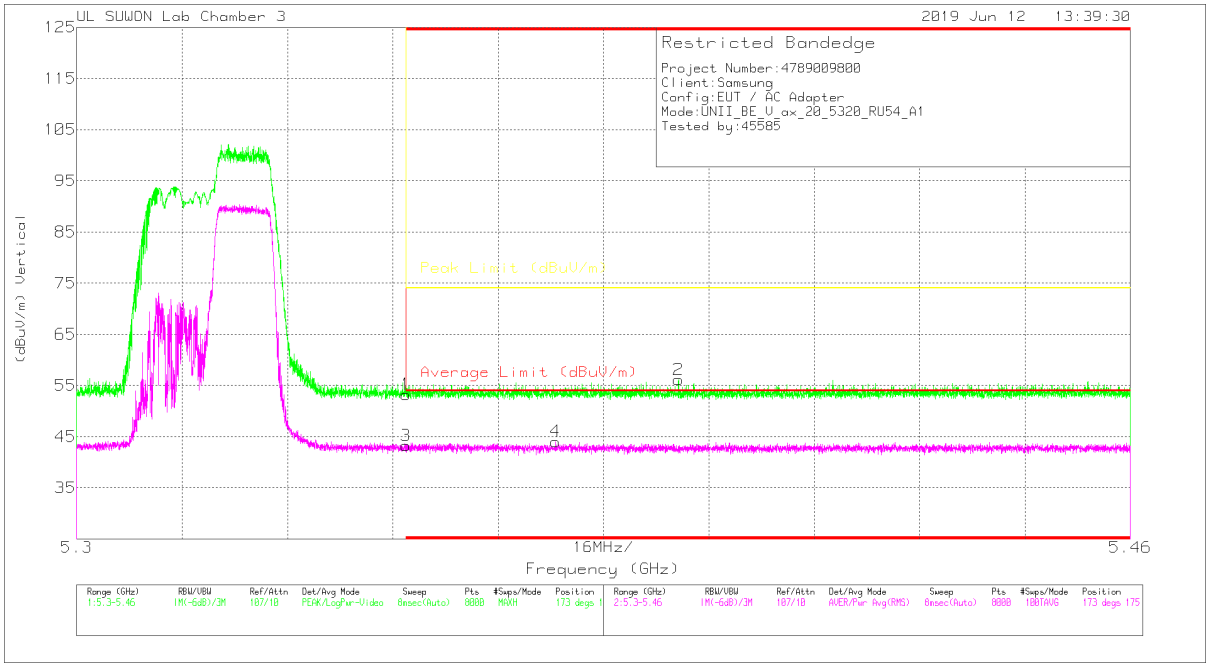
VERTICAL PEAK AND AVERAGE PLOT



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	37.25	Pk	34.7	-18.7	0	53.25	-	-	74	-20.75	173	175	V
2	* 5.391	40.04	Pk	34.7	-18.6	0	56.14	-	-	74	-17.86	173	175	V
3	* 5.35	27.63	RMS	34.7	-19.1	0	43.23	54	-10.77	-	-	173	175	V
4	* 5.373	28.45	RMS	34.7	-19.1	0	44.05	54	-9.95	-	-	173	175	V

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

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