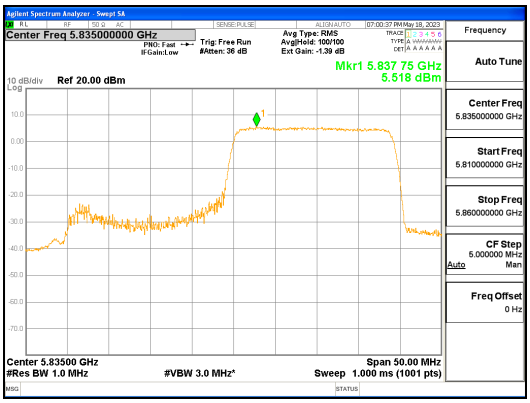

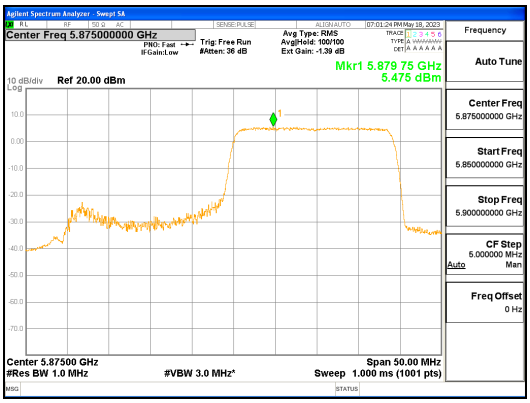

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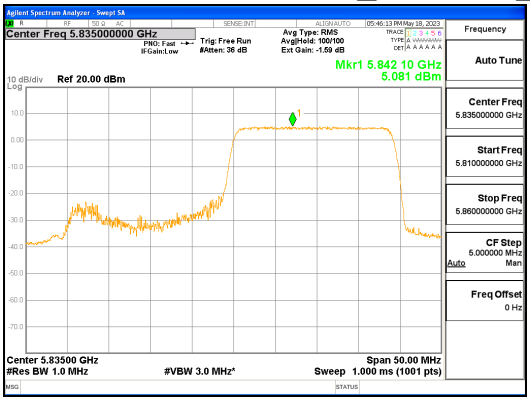

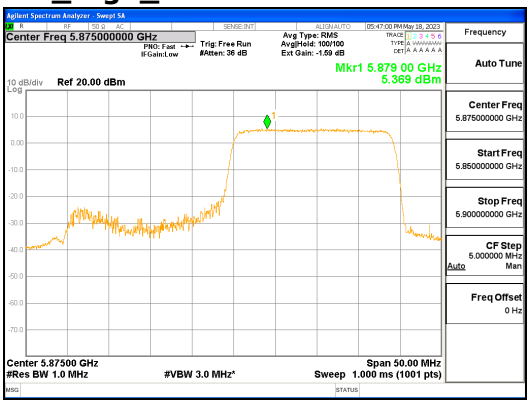

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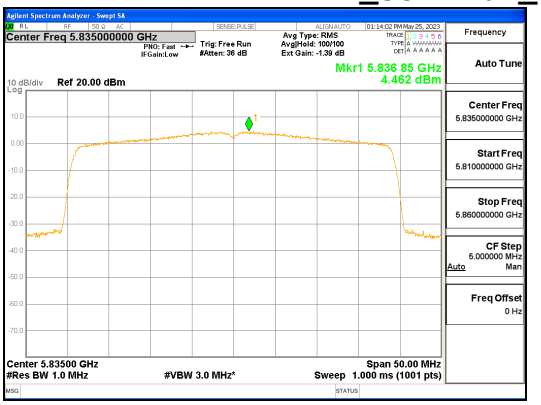

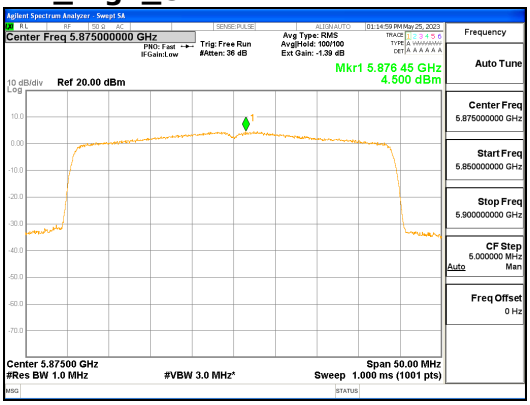

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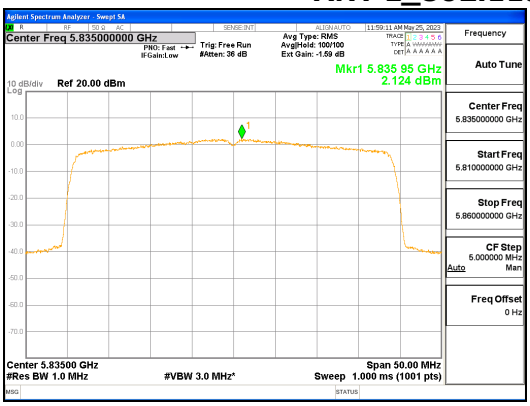

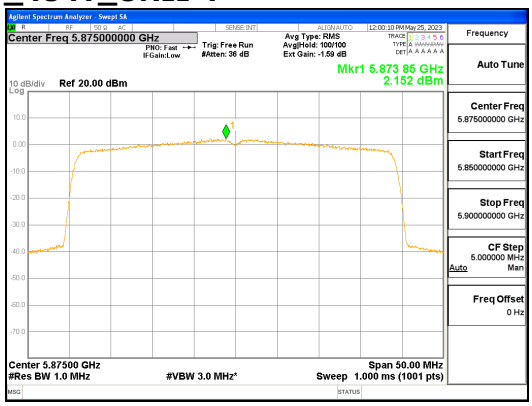

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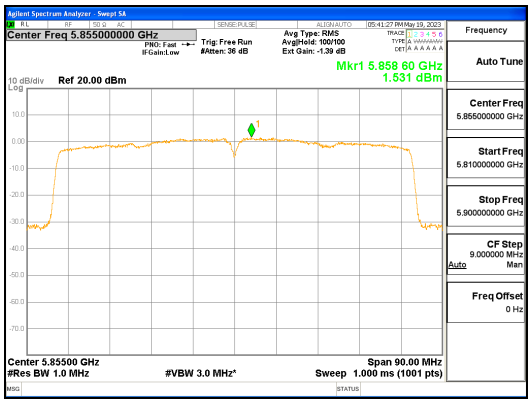

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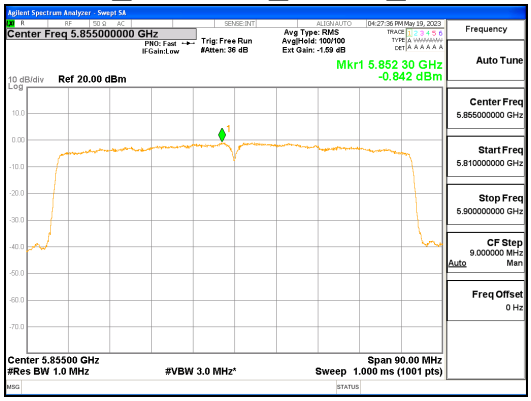

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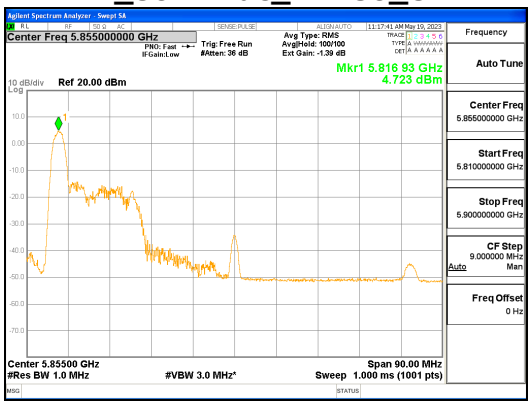

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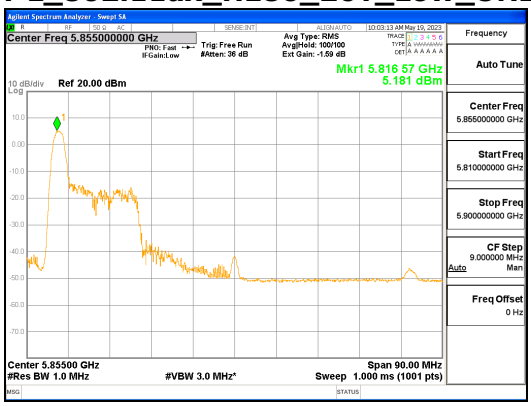

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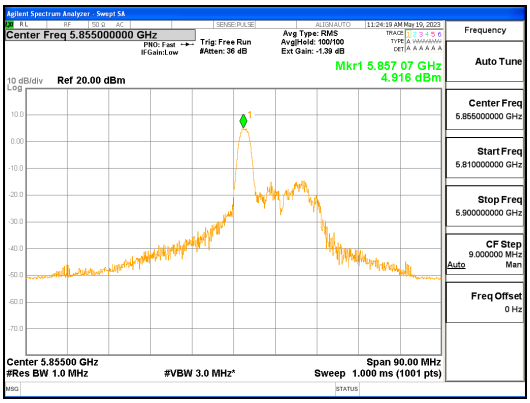

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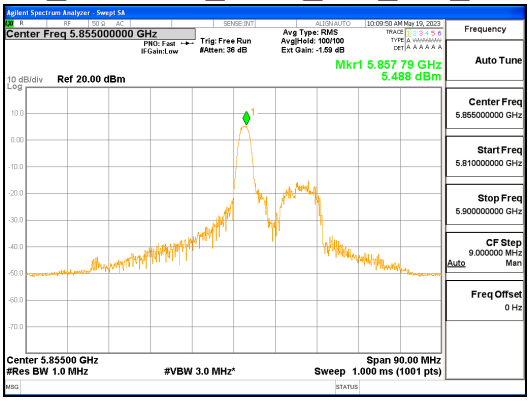

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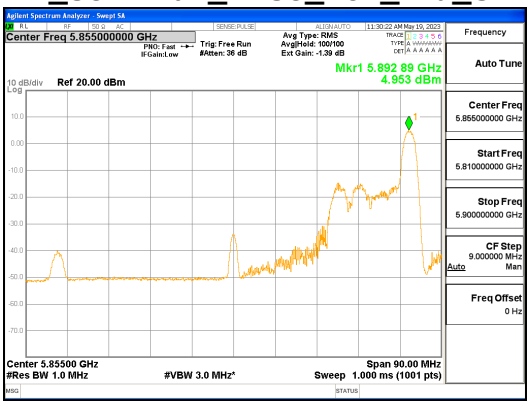
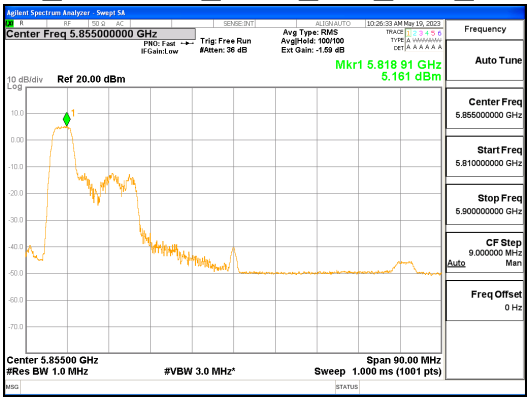


ANT L_802.11ax_HE80_26T_High_UNII 4

ANT R_802.11ax_HE80_26T_High_UNII 4

ANT L_802.11ax_HE80_52T_Low_UNII 4



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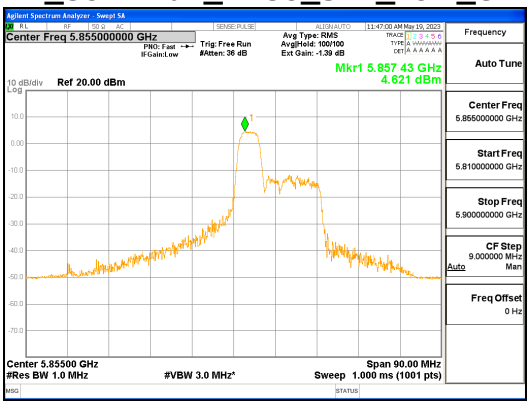

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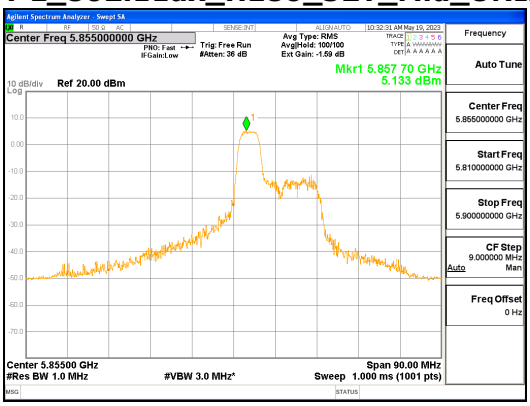

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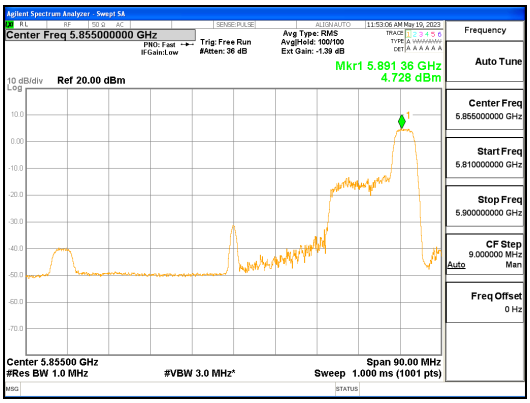

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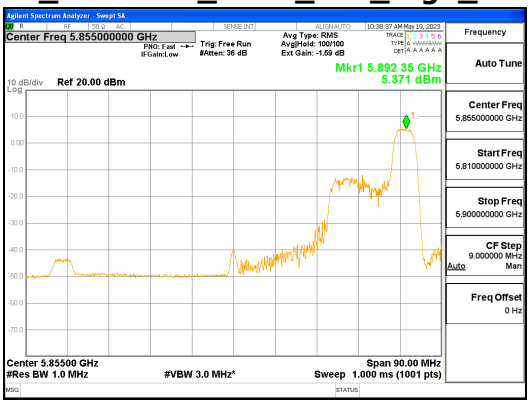

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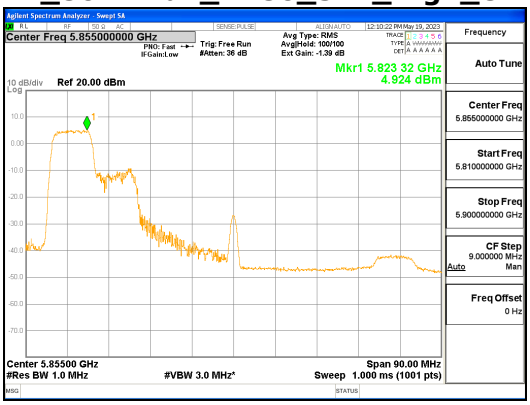

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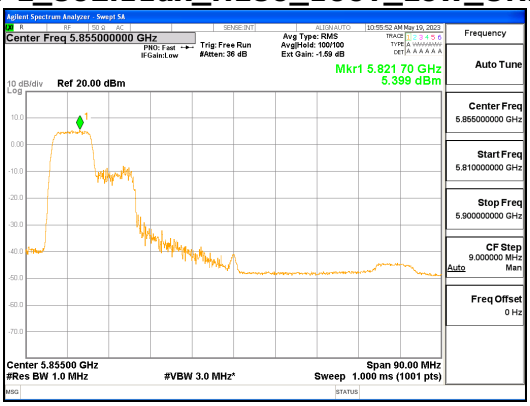

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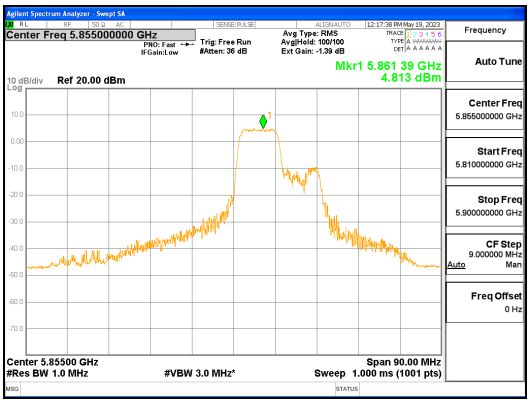

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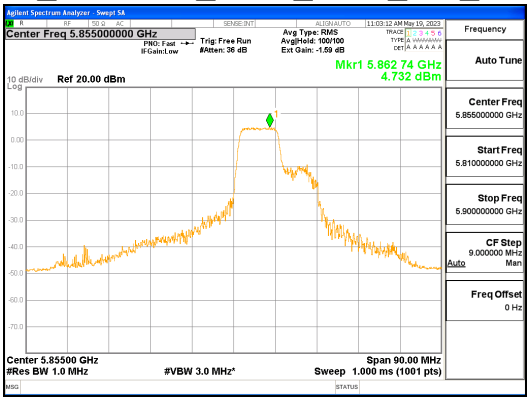

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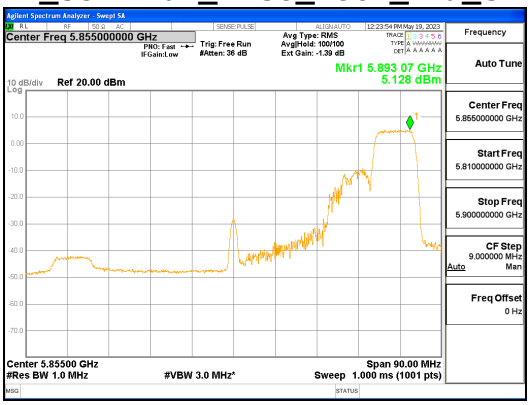

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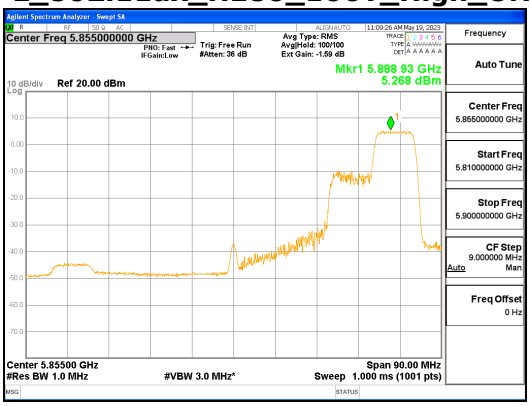

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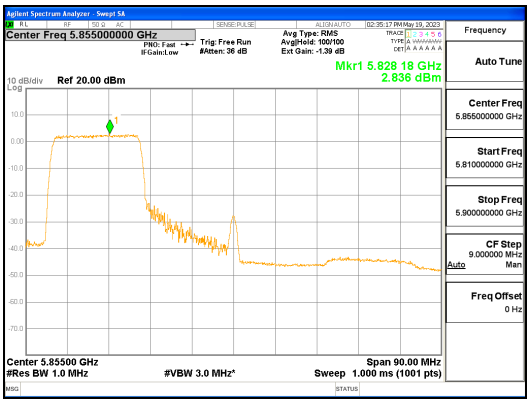

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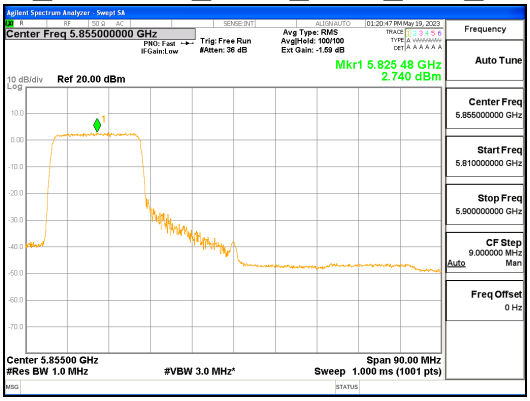

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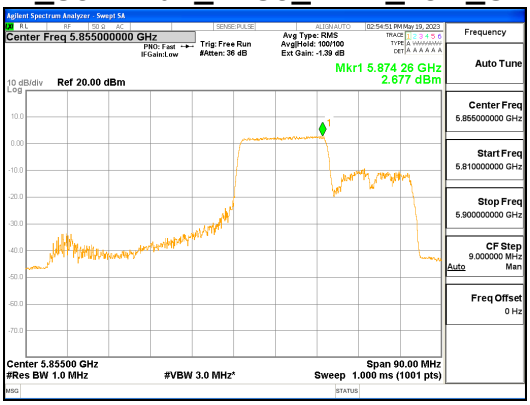

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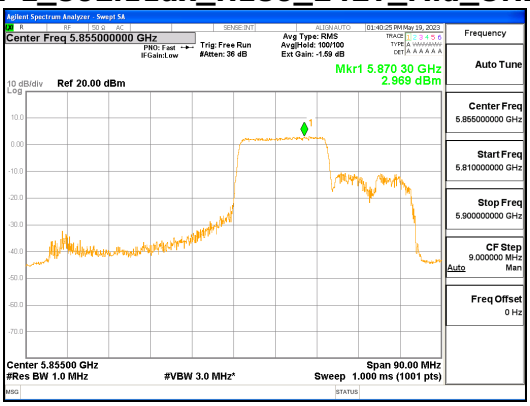

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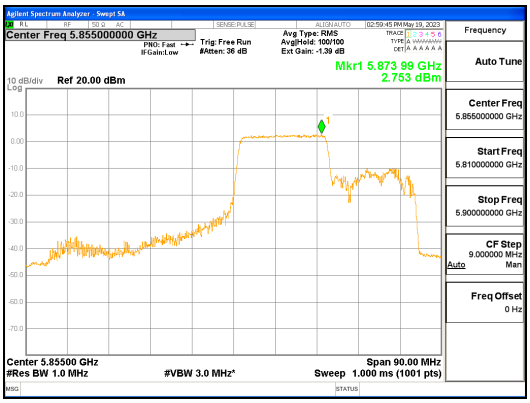

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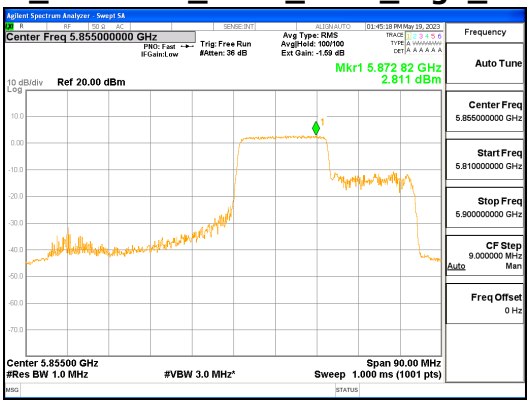

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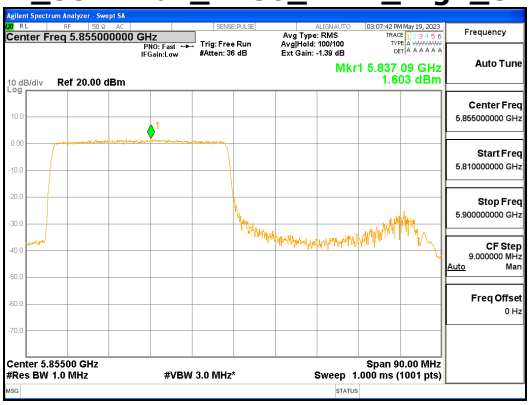
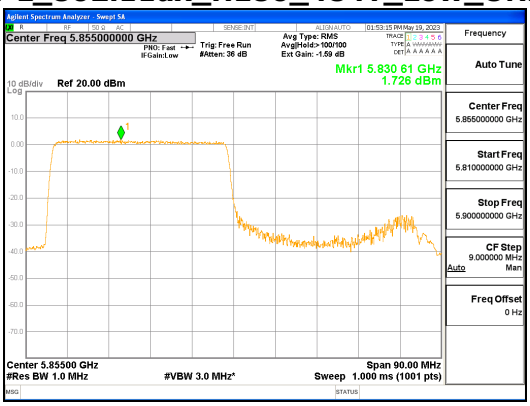


ANT L_802.11ax_HE80_484T_Low_UNII 4



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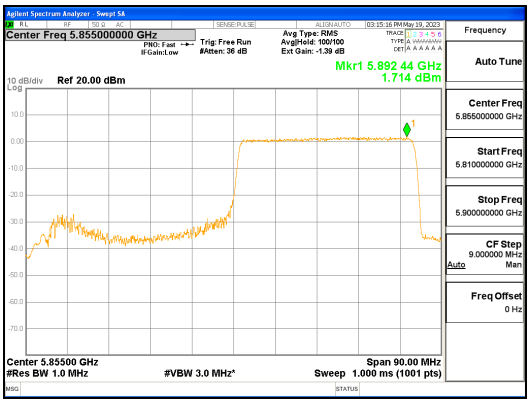

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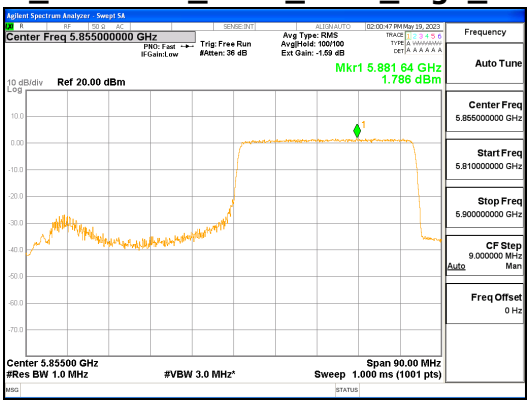

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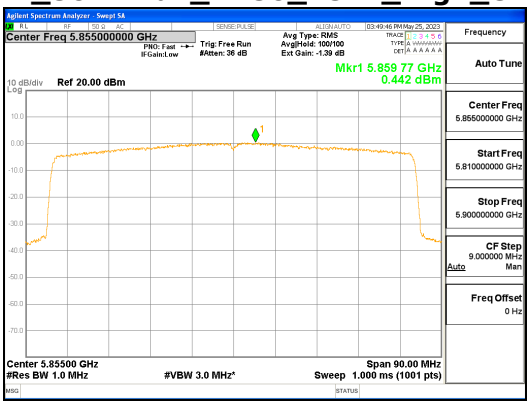
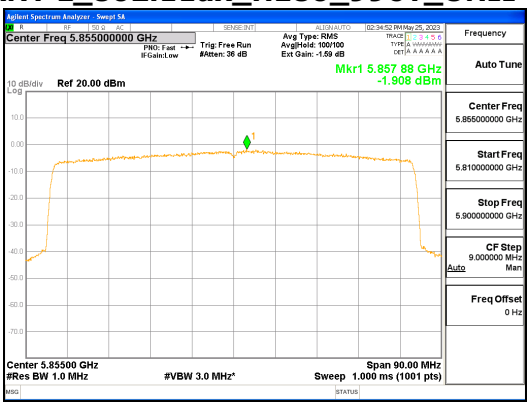


ANT L_802.11ax_HE80_996T_UNII 4



ANT R_802.11ax_HE80_996T_UNII 4

4.5 Frequency Stability

Test Procedures

KDB 789033 – Section A.3

The EUT was placed inside of an environmental chamber as the temperature in the chamber was varied between -20 ℃ and +50 ℃(Declaration by the Manufacturer). The temperature was incremented by 10 ℃ intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

Data for the worst case channel is shown below.

Measured Frequency Error (kHz)				
Voltage (VDC)	Temperature (℃)	Test Frequency (MHz)		
		5 845	5 865	5 885
5.0	-20	14.397	14.447	14.661
5.0	-10	19.471	19.462	19.567
5.0	0	13.381	13.292	13.463
5.0	10	0.326	0.110	0.082
5.0	20(Ref)	-19.295	-19.398	-19.540
5.0	30	-34.106	-34.215	-34.346
5.0	40	-47.230	-47.526	-47.602
5.0	50	-52.435	-52.717	-52.884
4.25	20(Ref)	-49.115	-49.473	-42.314
5.75	20(Ref)	-47.869	-48.321	-48.705

Note :

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature range as tested.

4.6 Unwanted Emissions

Test Location

☒ 10 m SAC (test distance : ☐ 10 m, ☒ 3 m)
☒ 3 m SAC (test distance : 3 m)

Test Procedures

KDB 789033 - Section G
ANSI C63.10-2013 – Section 12.7

1) In the frequency range of 9 kHz to 30 MHz, magnetic field is measured with Loop Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
2) In the frequency range above 30 MHz, Bi-Log Test Antenna(30 MHz to 1 GHz) and Horn Test Antenna(above 1 GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is carried from 1m to 4m above the ground to determine the maximum value of the field strength. The emissions levels at both horizontal and vertical polarizations should be tested.

Test Settings:

Frequency Range = 9 kHz ~ 1 GHz

a) RBW = 100 kHz for f < 1 GHz, 9 kHz for f < 30 MHz

b) VBW ≥ RBW

c) Detector = CISPR Quasi-peak

d) Sweep time = auto couple

- Peak

Frequency Range = 1 GHz ~ 40 GHz

a) RBW = 1 MHz

b) VBW ≥ 3 x RBW

c) Detector = Peak

d) Sweep time = auto

e) Trace mode = max hold

- Average (duty cycle ≥ 98%)

Frequency Range = 1 GHz ~ 40 GHz

a) RBW = 1 MHz

b) VBW ≥ 3 x RBW

c) Detector = RMS

d) Sweep time = auto

e) Averaging type = power (i.e., RMS)

f) Trace mode = average (at least 100 traces)

- Average (duty cycle < 98%)

Frequency Range = 1 GHz ~ 40 GHz

a) RBW = 1 MHz

b) VBW ≥ 3 x RBW

c) Detector = RMS

d) Sweep time = auto

e) Averaging type = power (i.e., RMS)

f) Trace mode = average (at least 100 traces)

If power averaging (RMS) mode, then the applicable correction factor is 10 log(1/x), where x is the duty cycle.

Test mode	Duty Cycle Factor (dB)
802.11a	0.13
802.11n_HT20	0.13
802.11n_HT40	0.28
802.11ac_VHT20	0.26
802.11ac_VHT40	0.50
802.11ac_VHT80	0.89
802.11ax_HE20_26T	0.21
802.11ax_HE20_52T	0.21
802.11ax_HE20_106T	0.23
802.11ax_HE20_242T	0.26
802.11ax_HE40_26T	0.21
802.11ax_HE40_52T	0.22
802.11ax_HE40_106T	0.24
802.11ax_HE40_242T	0.27
802.11ax HE40 484T	0.28
802.11ax HE80 26T	0.21
802.11ax HE80 52T	0.22
802.11ax HE80 106T	0.23
802.11ax HE80 242T	0.27
802.11ax HE80 484T	0.27
802.11ax HE80 996T	0.29

Limit

1. UNII 4 : [Lowest Channel]
For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of −27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

[Highest Channel]
For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of −5 dBm/MHz and shall decrease linearly to an e.i.r.p. of −27 dBm/MHz at or above 5.925 GHz.

* E.I.R.P -27 dBm/MHz
E[dBuV/m] = EIRP[dBm] + 95.2, for d = 3m

2. Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.
- 15.209(a)

Frequency(MHz)	Field Strength uV/m@3m	Field Strength dBuV/m@3m	Deasurement Distance (meters)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705-30	30	-	30
30-88	100**	40	3
88-216	150**	43.5	3
216-960	200**	46	3
Above 960	500	54	3

** Except as provided in 15.209(g).fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72MHz, 76-88MHz, 174-216MHz, 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g.15.231 and 15.241.

3. FCC Part 15 § 15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	MHz	MHz	GHz
0.09-0.11	8.37626-8.38675	73-74.6	399.9-410	2690-2900	10.6-12.7
[1]0.495-0.505	8.41425-8.41475	74.8-75.2	608-614	3260-3267	13.25-13.4
2.1735-2.1905	12.29-12.293	108-121.94	960-1240	3332-3339	14.47-14.5
4.125-4.128	12.51975-12.52025	123-138	1300-1427	3345.8-3358	15.35-16.2
4.17725-4.17775	12.57675-12.57725	149.9-150.05	1435-1626.5	3600-4400	17.7-21.4
4.20725-4.20775	13.36-13.41	156.52475-156.52525	1645.5-1646.5	4500-5150	22.01-23.12
6.215-6.218	16.42-16.423	156.7-156.9	1660-1710	5350-5460	23.6-24
6.26775-6.26825	16.69475-16.69525	162.0125-167.17	1718.8-1722.2	7250-7750	31.2-31.8
6.31175-6.31225	16.80425-16.80475	167.72-173.2	2200-2300	8025-8500	36.43-36.5
8.291-8.294	25.5-25.67	240-285	2310-2390	9000-9200	[2]Above 38.6
8.362-8.366	37.5-38.25	322-335.4	2483.5-2500	9300-9500	

[1] Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2] Above 38.6

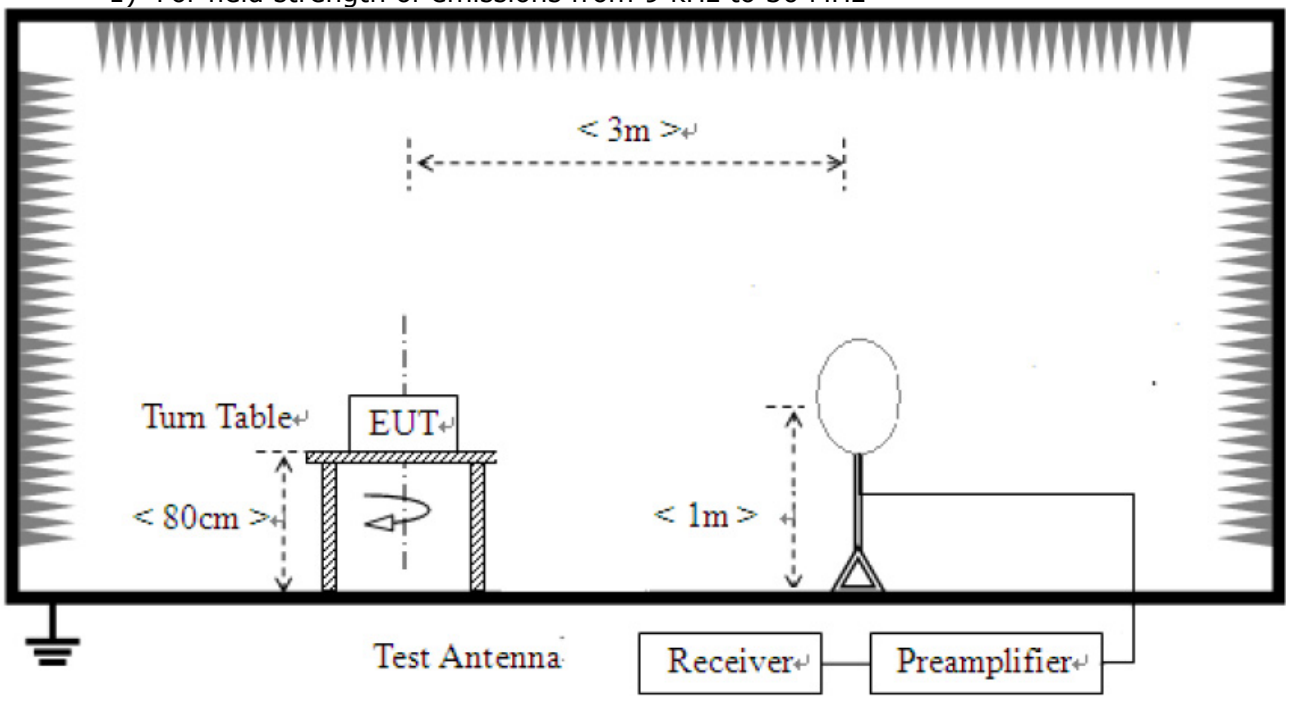
§ 15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown is Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

Note :

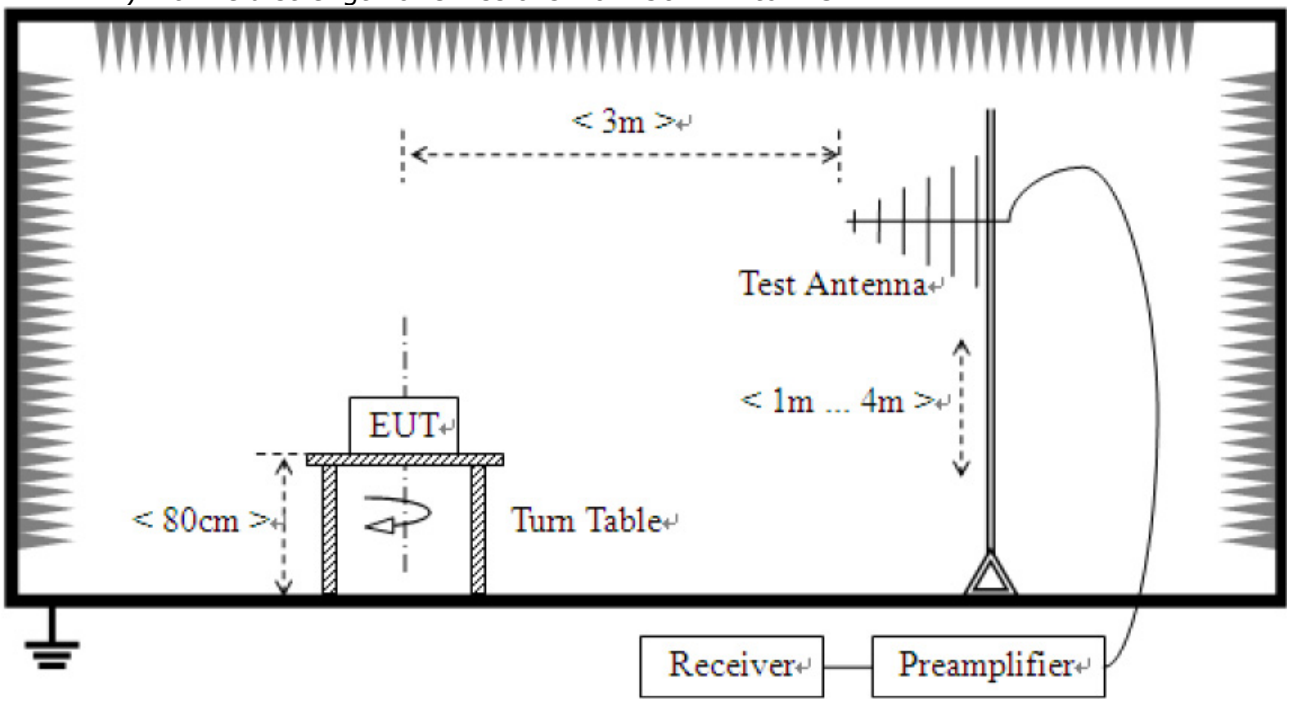
1) For above 1 GHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
2) For above 1 GHz, limit field strength of harmonics : 54 dBuV/m@3m (AV) and 74 dBuV/m@3m (PK)

Test Setup:

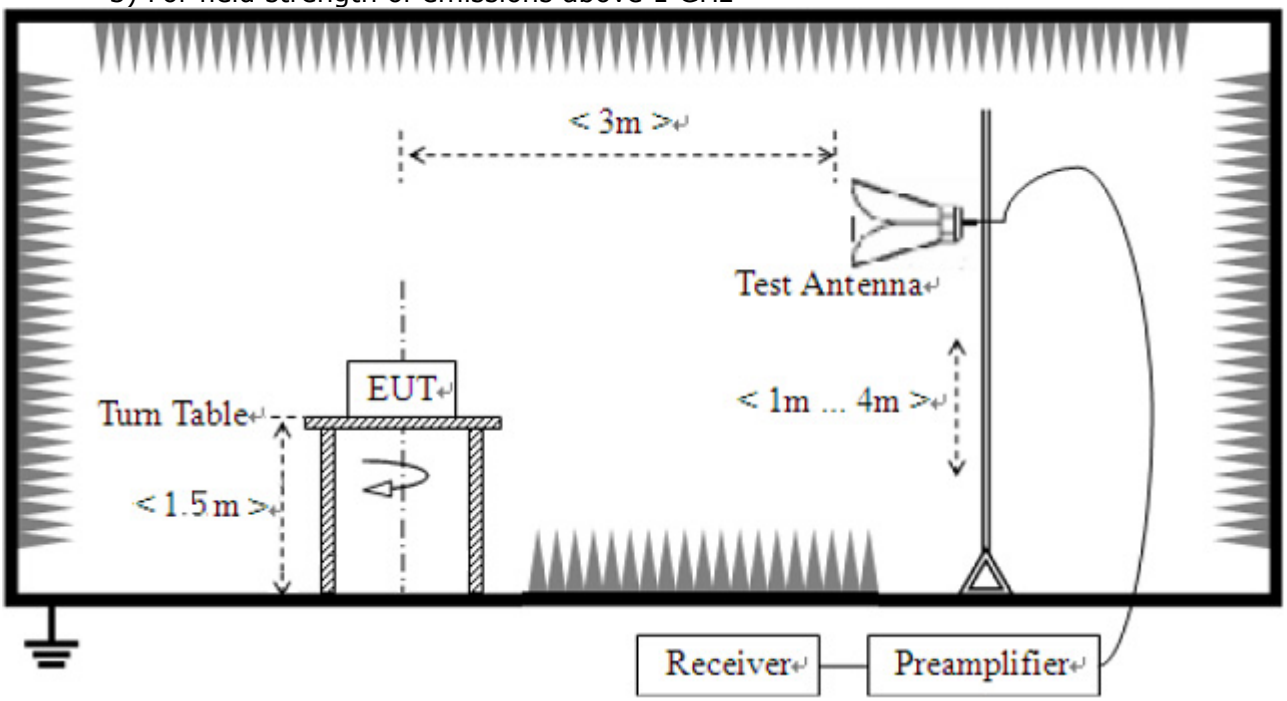
1) For field strength of emissions from 9 kHz to 30 MHz



2) For field strength of emissions from 30 MHz to 1 GHz



3) For field strength of emissions above 1 GHz



Test Mode

We have done all test mode.
The worst case antenna configuration and Test mode are determined to be as follows.

802.11a mode : ANT L, ANT R
802.11n mode : ANT L + ANT R (MIMO)
802.11ac mode : ANT L + ANT R (MIMO)
802.11ax mode : ANT L + ANT R (MIMO)

So the results are only attached worst cases.

802.11ax Test RU Index for Tones

Mode	Bandwidth (MHz)	Frequency (MHz)	Tones	Test RU Index	
				Band Edge	Spurious Emission
802.11ax	20	5 845	26T	0	8
			52T	37	-
			106T	53	-
			242T	61	61
		5 865	26T	-	8
			242T	-	61
		5 885	26T	8	8
			52T	40	-
			106T	54	-
			242T	61	61
	40	5 835	26T	0	17
			52T	37	-
			106T	53	-
			242T	61	-
			484T	65	65
		5 875	26T	17	17
			52T	44	-
			106T	56	-
			242T	62	-
			484T	65	65
	80	5 855	26T	0, 36	36
			52T	37, 52	-
			106T	53, 60	-
			242T	61, 64	-
			484T	65, 66	-
			996T	67	67

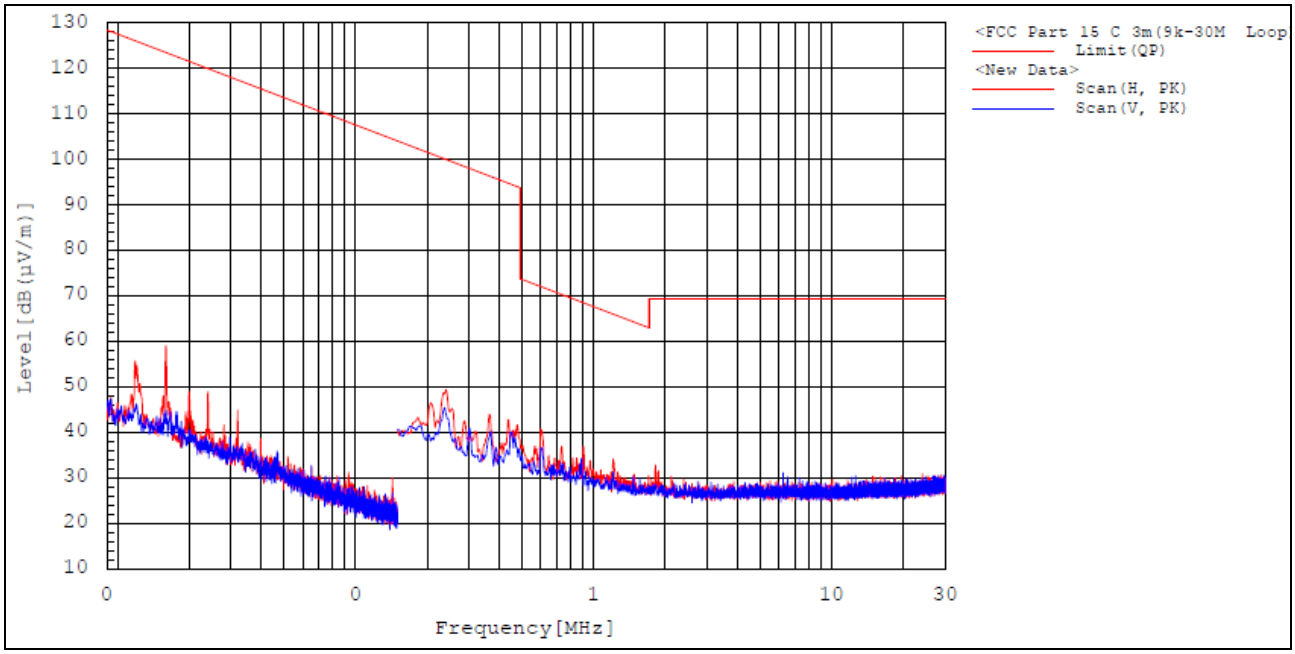
Test Results

1) 9 kHz to 30 MHz

Test mode : Transmitter (Worst Case)

The requirements are:
☒ Complies

Test Data



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Level [dB(uV/m)]	Limit [dB(uV/m)]	Margin [dB]
The emissions 9 kHz to 30 MHz were 20 dB lower than the limit.						

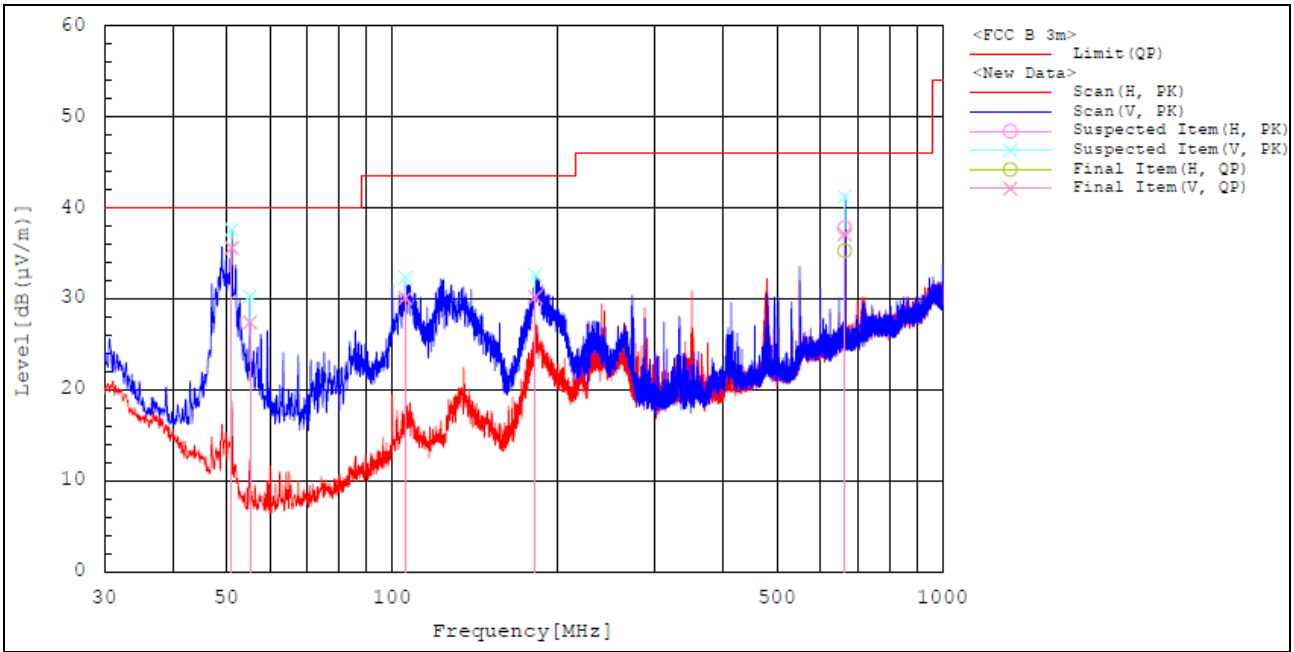
Remark :
1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Result = Reading + c.f(Correction factor)
3. Correction factor = Antenna factor + Cable loss + 6 dB attenuator - Amp Gain
4. This data is the Peak(PK) value.

2) 30 MHz to 1 GHz

Test mode : Transmitter (Worst Case)

The requirements are:
☒ Complies

Test Data



Final Result

No.	Frequency [MHz]	Pol	Reading QP [dB(µV)]	c.f [dB(1/m)]	Result QP [dB(µV/m)]	Limit QP [dB(µV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	51.146	V	53.2	-17.6	35.6	40.0	4.4	100.1	106.2
2	55.220	V	46.6	-19.2	27.4	40.0	12.6	100.1	359.1
3	105.757	V	44.1	-14.0	30.1	43.5	13.4	100.1	342.2
4	181.999	V	45.5	-15.3	30.2	43.5	13.3	100.1	359.1
5	663.701	H	36.0	-0.7	35.3	46.0	10.7	200.2	267.7
6	663.798	V	37.8	-0.7	37.1	46.0	8.9	100.1	253.6

Remark :
1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Result = Reading + c.f(Correction factor)
3. Correction factor = Antenna factor + Cable loss + 6 dB attenuator - Amp Gain

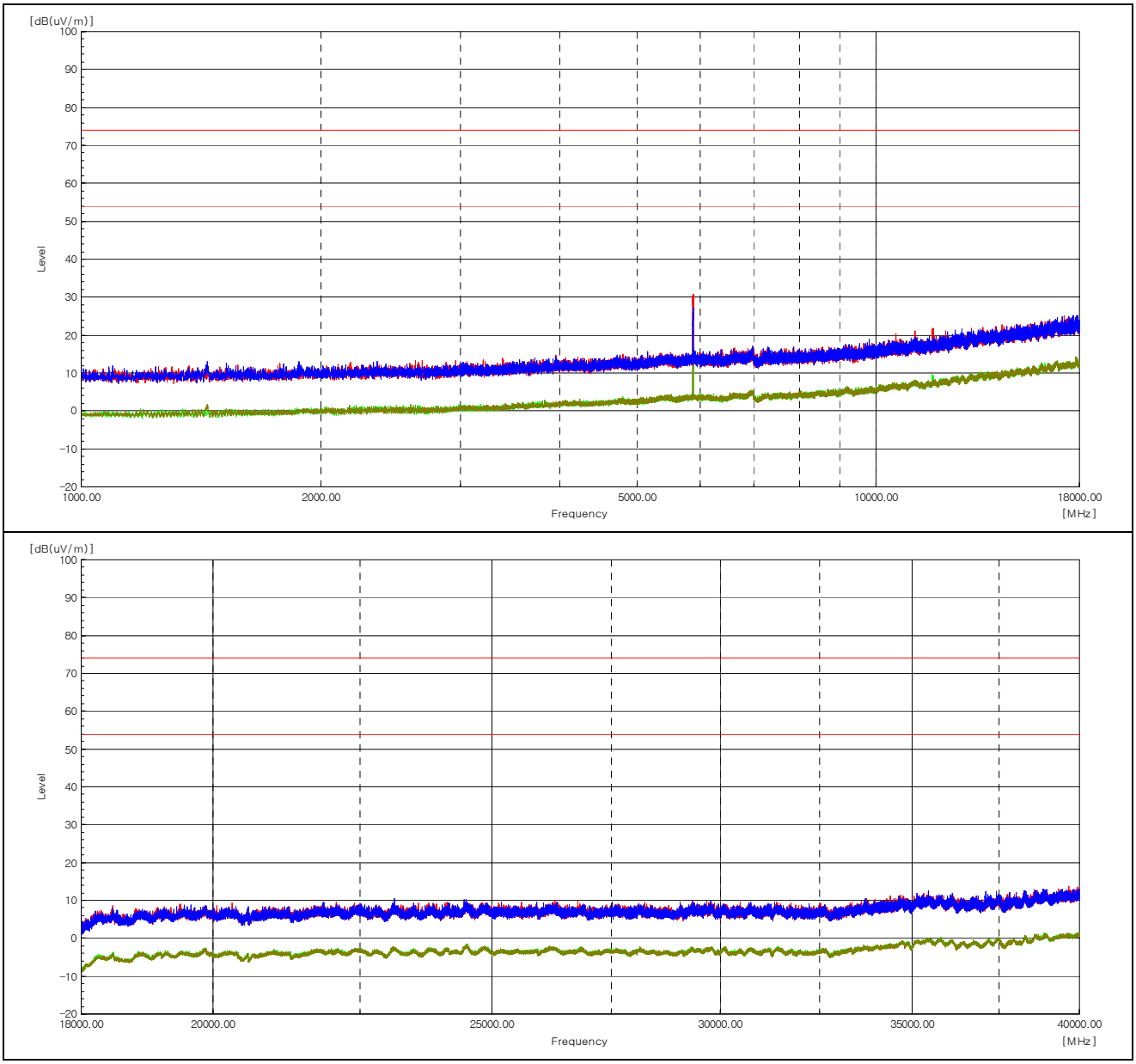
3) above 1 GHz

Remark :

: Peak data (H)
: Avearage data (H)
: Peak data (V)
: Avearage data (V)

The requirements are:
☒ Complies

Test Data



Test mode : Transmitter, 802.11a-ANT L

The requirements are:
☒ Complies

Test Data

Ch.169(5 845 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 690.37	H	47.9	12.4	-----	60.3	-----	74.0	-----	13.7	-----	Peak
11 693.00	H	34.3	12.4	0.1	-----	46.8	-----	54.0	-----	7.2	Average
11 704.45	V	42.3	12.4	-----	54.7	-----	74.0	-----	19.3	-----	Peak
11 677.82	V	31.7	12.4	0.1	-----	44.2	-----	54.0	-----	9.8	Average

Ch.173(5 865 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 728.50	H	47.7	12.5	-----	60.2	-----	74.0	-----	13.8	-----	Peak
11 730.83	H	34.4	12.5	0.1	-----	47.0	-----	54.0	-----	7.0	Average
11 742.70	V	43.2	12.6	-----	55.8	-----	74.0	-----	18.2	-----	Peak
11 734.87	V	31.7	12.5	0.1	-----	44.3	-----	54.0	-----	9.7	Average

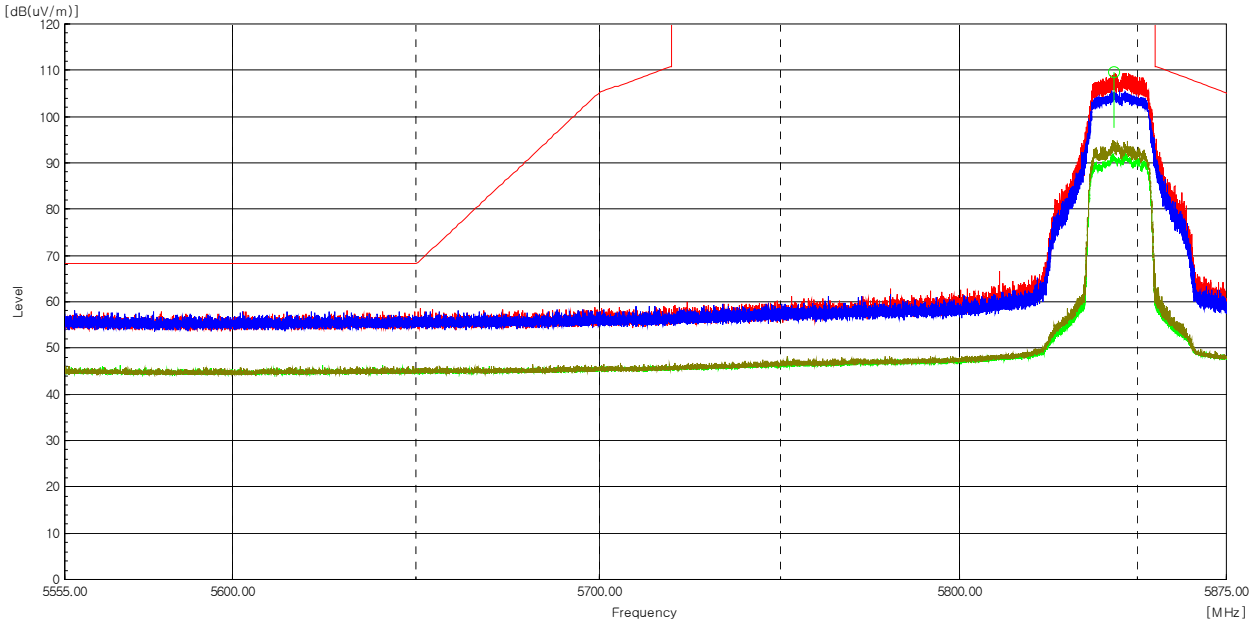
Ch.177(5 885 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 771.89	H	49.1	12.8	-----	61.9	-----	74.0	-----	12.1	-----	Peak
11 771.59	H	34.2	12.8	0.1	-----	47.1	-----	54.0	-----	6.9	Average
11 775.93	V	42.9	12.8	-----	55.7	-----	74.0	-----	18.3	-----	Peak
11 768.59	V	32.0	12.7	0.1	-----	44.8	-----	54.0	-----	9.2	Average

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

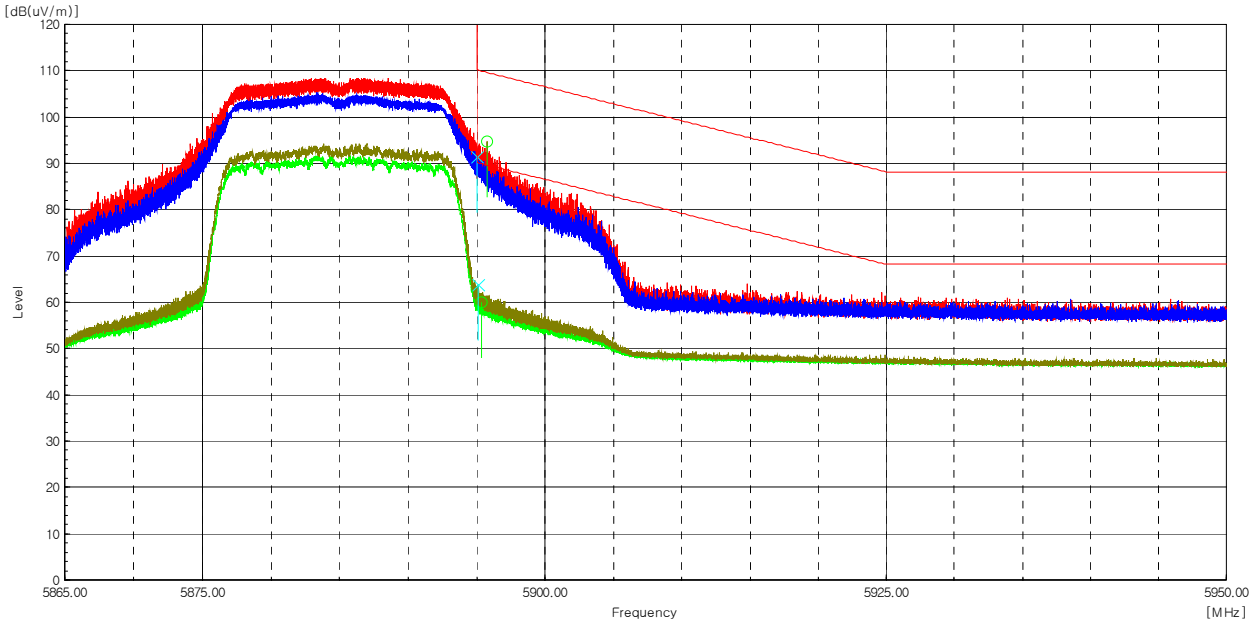
Worst Case Mode :	802.11a-ANT L
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 845 MHz
Channel :	165



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11a–ANT L
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 885 MHz
Channel :	177



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.75	H	89.7	5.0	-----	94.7	-----	109.6	-----	14.9	-----	Peak
5 895.36	H	54.9	5.0	0.1	-----	60.0	-----	89.9	-----	29.9	Average
5 895.08	V	86.4	5.0	-----	91.4	-----	110.1	-----	18.7	-----	Peak
5 895.16	V	58.7	5.0	0.1	-----	63.8	-----	90.1	-----	26.3	Average

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11a-ANT R

The requirements are:
☒ Complies

Test Data

Ch.169(5 845 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 689.21	H	46.5	12.4	-----	58.9	-----	74.0	-----	15.1	-----	Peak
11 686.76	H	35.3	12.4	0.1	-----	47.8	-----	54.0	-----	6.2	Average
11 678.44	V	44.9	12.4	-----	57.3	-----	74.0	-----	16.7	-----	Peak
11 709.83	V	33.7	12.4	0.1	-----	46.2	-----	54.0	-----	7.8	Average

Ch.173(5 865 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 730.52	H	46.8	12.5	-----	59.3	-----	74.0	-----	14.7	-----	Peak
11 734.07	H	35.6	12.5	0.1	-----	48.2	-----	54.0	-----	5.8	Average
11 735.97	V	45.9	12.5	-----	58.4	-----	74.0	-----	15.6	-----	Peak
11 721.83	V	33.9	12.4	0.1	-----	46.4	-----	54.0	-----	7.6	Average

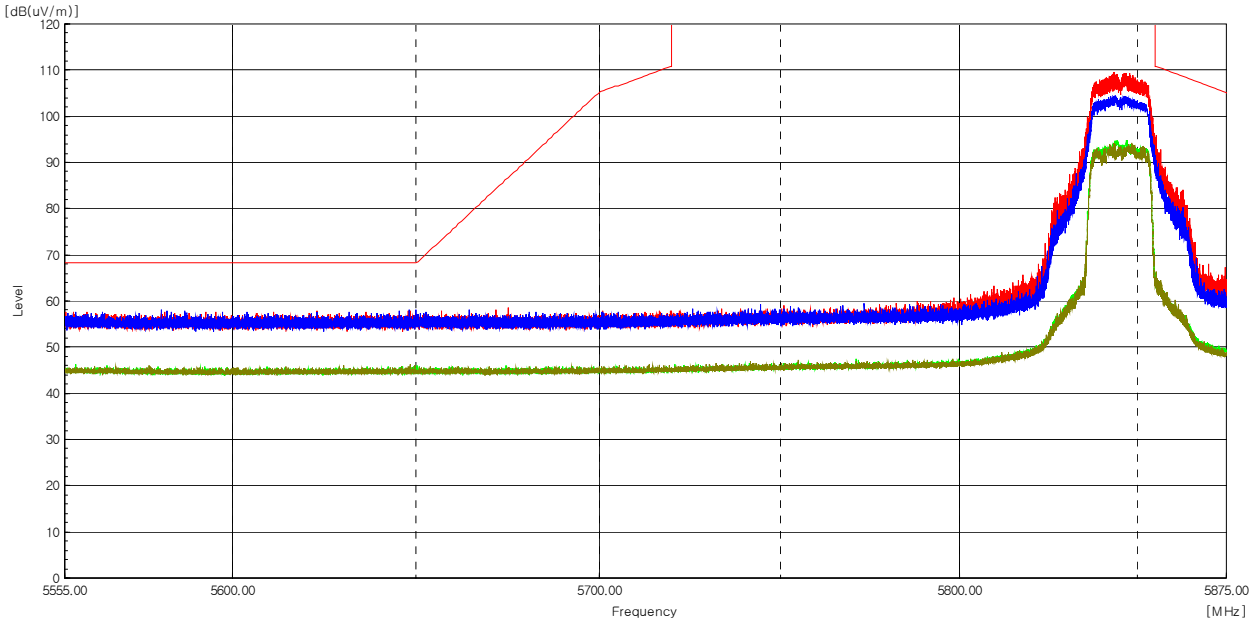
Ch.177(5 885 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 770.61	H	46.8	12.7	-----	59.5	-----	74.0	-----	14.5	-----	Peak
11 767.49	H	35.0	12.7	0.1	-----	47.8	-----	54.0	-----	6.2	Average
11 755.98	V	46.1	12.7	-----	58.8	-----	74.0	-----	15.2	-----	Peak
11 783.46	V	34.3	12.8	0.1	-----	47.2	-----	54.0	-----	6.8	Average

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

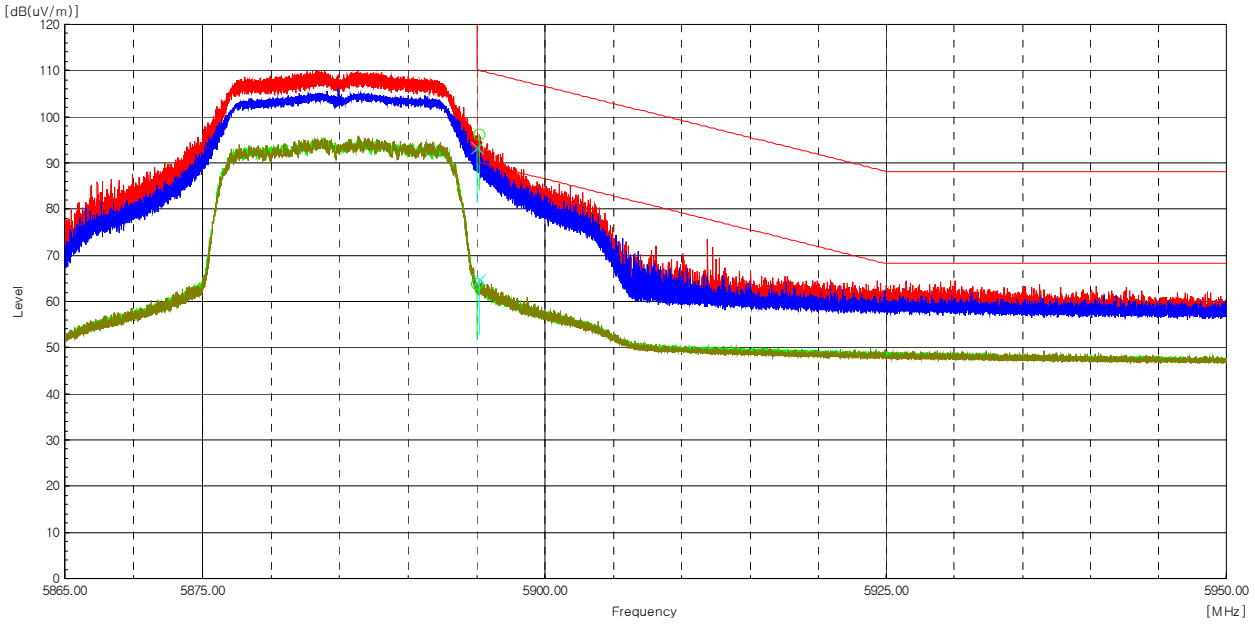
Worst Case Mode :	802.11a-ANT R
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 845 MHz
Channel :	165



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11a–ANT R
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 885 MHz
Channel :	177



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.22	H	91.2	5.0	-----	96.2	-----	110.0	-----	13.8	-----	Peak
5 895.06	H	58.7	5.0	0.1	-----	63.8	-----	90.2	-----	26.4	Average
5 895.06	V	88.4	5.0	-----	93.4	-----	110.2	-----	16.8	-----	Peak
5 895.20	V	59.7	5.0	0.1	-----	64.8	-----	90.1	-----	25.3	Average

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11n_HT20

The requirements are:
☒ Complies

Test Data

Ch.169(5 845 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 688.41	H	46.2	12.4	-----	58.6	-----	74.0	-----	15.4	-----	Peak
11 691.04	H	33.4	12.4	0.1	-----	45.9	-----	54.0	-----	8.1	Average
11 697.96	V	43.0	12.4	-----	55.4	-----	74.0	-----	18.6	-----	Peak
11 675.50	V	31.4	12.5	0.1	-----	44.0	-----	54.0	-----	10.0	Average
17 535.77	H	44.0	20.4	-----	64.4	-----	68.2	-----	3.8	-----	Peak
17 532.99	V	45.9	20.4	-----	66.3	-----	68.2	-----	1.9	-----	Peak

Ch.173(5 865 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 729.05	H	47.4	12.5	-----	59.9	-----	74.0	-----	14.1	-----	Peak
11 733.83	H	33.8	12.5	0.1	-----	46.4	-----	54.0	-----	7.6	Average
11 728.93	V	43.2	12.5	-----	55.7	-----	74.0	-----	18.3	-----	Peak
11 727.15	V	31.6	12.5	0.1	-----	44.2	-----	54.0	-----	9.8	Average
17 590.71	H	43.7	20.6	-----	64.3	-----	68.2	-----	3.9	-----	Peak
17 601.91	V	45.6	20.7	-----	66.3	-----	68.2	-----	1.9	-----	Peak

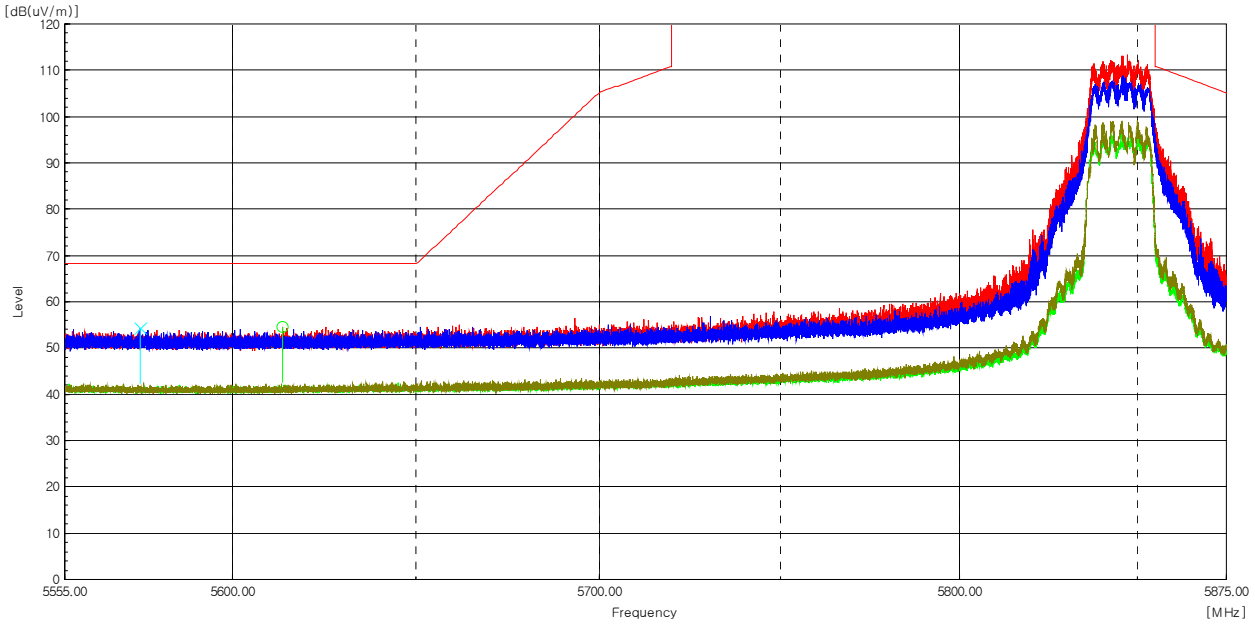
Ch.177(5 885 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 763.51	H	47.2	12.7	-----	59.9	-----	74.0	-----	14.1	-----	Peak
11 773.18	H	34.0	12.8	0.1	-----	46.9	-----	54.0	-----	7.1	Average
11 785.48	V	42.8	12.8	-----	55.6	-----	74.0	-----	18.4	-----	Peak
11 768.77	V	32.1	12.7	0.1	-----	44.9	-----	54.0	-----	9.1	Average
17 653.04	H	44.2	20.6	-----	64.8	-----	68.2	-----	3.4	-----	Peak
17 664.67	V	45.2	20.6	-----	65.8	-----	68.2	-----	2.4	-----	Peak

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

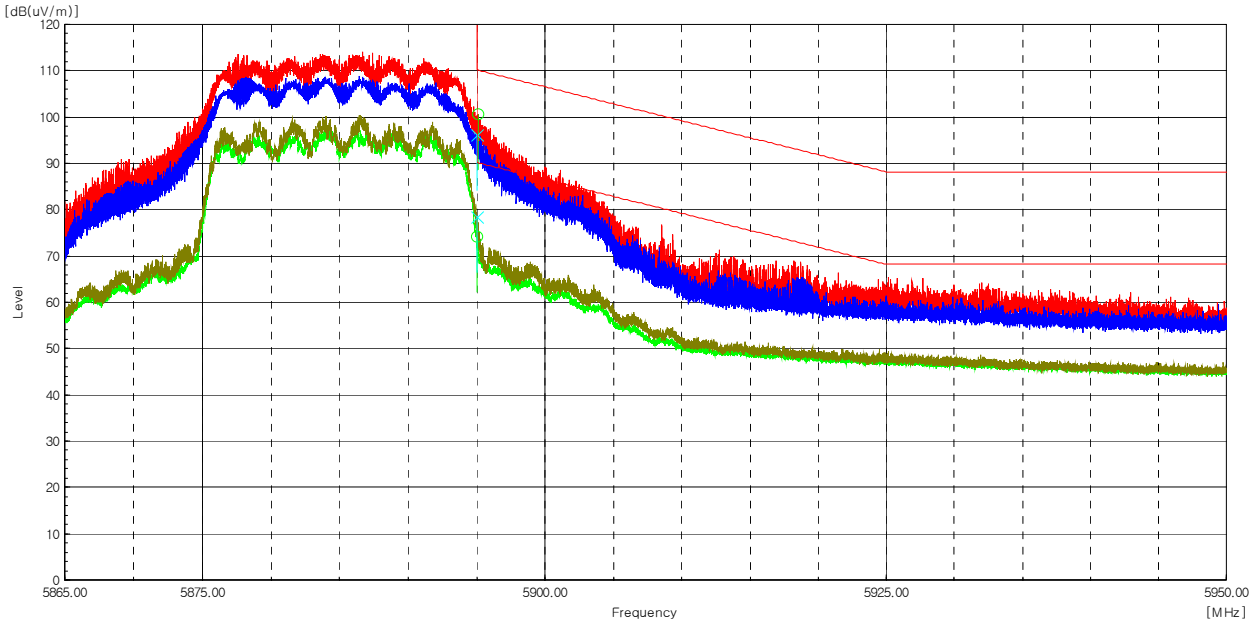
Worst Case Mode :	802.11n_HT20
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 845 MHz
Channel :	165



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 613.59	H	50.4	4.1	-----	54.5	-----	68.2	-----	13.7	-----	Peak
5 575.21	V	50.2	4.0	-----	54.2	-----	68.2	-----	14.0	-----	Peak

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11n_HT20
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 885 MHz
Channel :	177



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.13	H	95.5	5.0	-----	100.5	-----	110.1	-----	9.6	-----	Peak
5 895.00	H	69.1	5.0	0.1	-----	74.2	-----	90.2	-----	16.0	Average
5 895.03	V	91.0	5.0	-----	96.0	-----	110.2	-----	14.2	-----	Peak
5 895.01	V	73.3	5.0	0.1	-----	78.4	-----	90.2	-----	11.8	Average

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ac_VHT20

The requirements are:
☒ Complies

Test Data

Ch.169(5 845 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 686.82	H	46.8	12.4	-----	59.2	-----	74.0	-----	14.8	-----	Peak
11 691.14	H	35.2	12.4	0.3	-----	47.9	-----	54.0	-----	6.1	Average
11 696.98	V	45.5	12.4	-----	57.9	-----	74.0	-----	16.1	-----	Peak
11 711.11	V	34.1	12.4	0.3	-----	46.8	-----	54.0	-----	7.2	Average

Ch.173(5 865 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 729.92	H	48.3	12.5	-----	60.8	-----	74.0	-----	13.2	-----	Peak
11 725.25	H	35.6	12.5	0.3	-----	48.4	-----	54.0	-----	5.6	Average
11 733.95	V	46.2	12.5	-----	58.7	-----	74.0	-----	15.3	-----	Peak
11 765.25	V	34.2	12.7	0.3	-----	47.2	-----	54.0	-----	6.8	Average

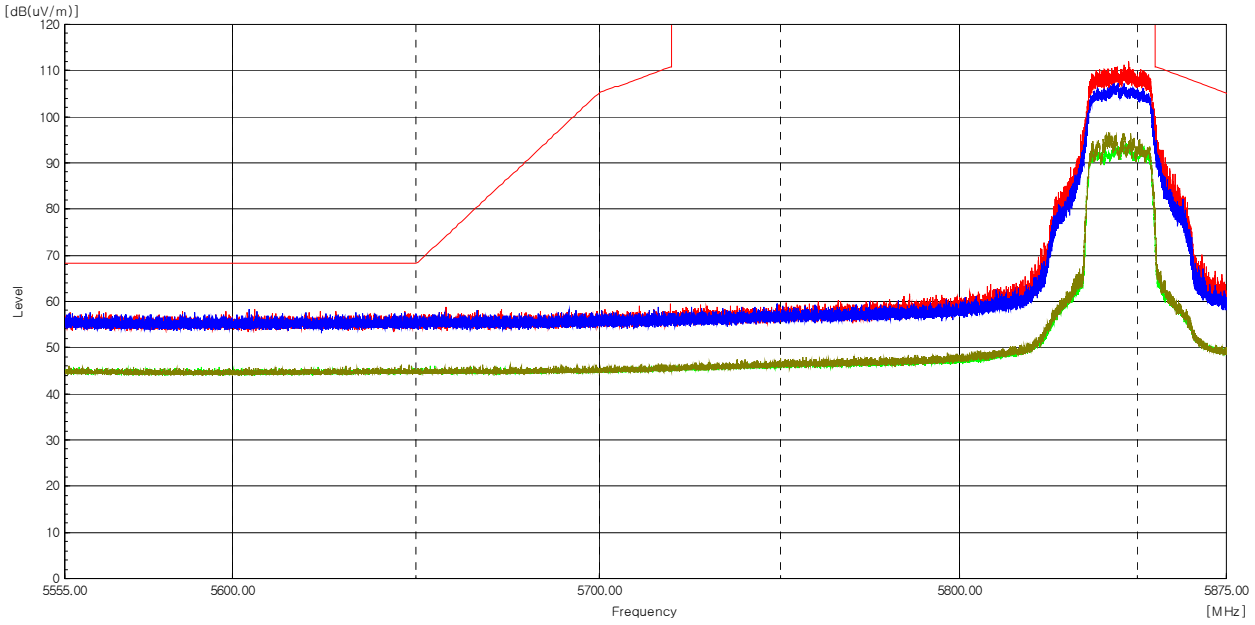
Ch.177(5 885 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 772.03	H	49.8	12.8	-----	62.6	-----	74.0	-----	11.4	-----	Peak
11 776.82	H	36.1	12.8	0.3	-----	49.2	-----	54.0	-----	4.8	Average
11 768.17	V	46.0	12.7	-----	58.7	-----	74.0	-----	15.3	-----	Peak
11 782.07	V	34.6	12.8	0.3	-----	47.7	-----	54.0	-----	6.3	Average

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

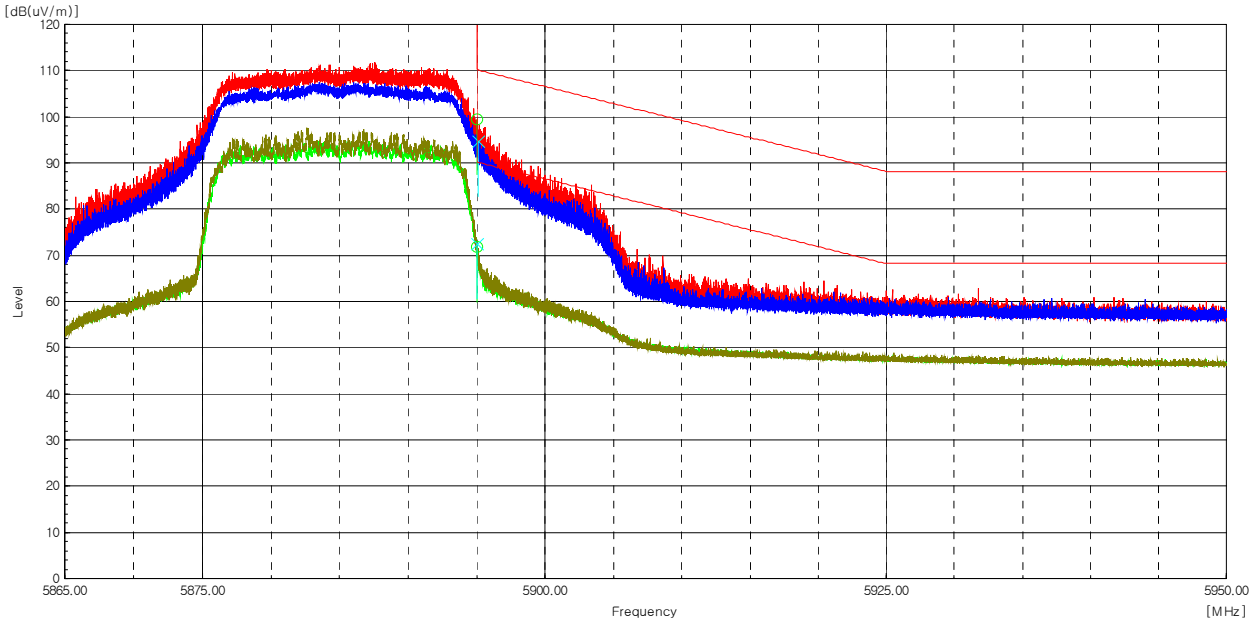
Worst Case Mode :	802.11ac_VHT20
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 845 MHz
Channel :	165



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ac_VHT20
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 885 MHz
Channel :	177



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.05	H	94.4	5.0	-----	99.4	-----	110.2	-----	10.8	-----	Peak
5 895.01	H	66.9	5.0	0.3	-----	72.2	-----	90.2	-----	18.0	Average
5 895.15	V	89.8	5.0	-----	94.8	-----	110.1	-----	15.3	-----	Peak
5 895.05	V	67.4	5.0	0.3	-----	72.7	-----	90.2	-----	17.5	Average

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE20_26T

The requirements are:
☒ Complies

Test Data

Ch.169(5 845 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 705.49	H	48.5	12.4	-----	60.9	-----	74.0	-----	13.1	-----	Peak
11 707.20	H	33.7	12.4	0.2	-----	46.3	-----	54.0	-----	7.7	Average
11 705.49	V	42.7	12.4	-----	55.1	-----	74.0	-----	18.9	-----	Peak
11 707.32	V	31.7	12.4	0.2	-----	44.3	-----	54.0	-----	9.7	Average

Ch.173(5 865 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 747.17	H	47.6	12.6	-----	60.2	-----	74.0	-----	13.8	-----	Peak
11 747.35	H	33.9	12.6	0.2	-----	46.7	-----	54.0	-----	7.3	Average
11 746.55	V	43.2	12.6	-----	55.8	-----	74.0	-----	18.2	-----	Peak
11 742.94	V	31.7	12.6	0.2	-----	44.5	-----	54.0	-----	9.5	Average

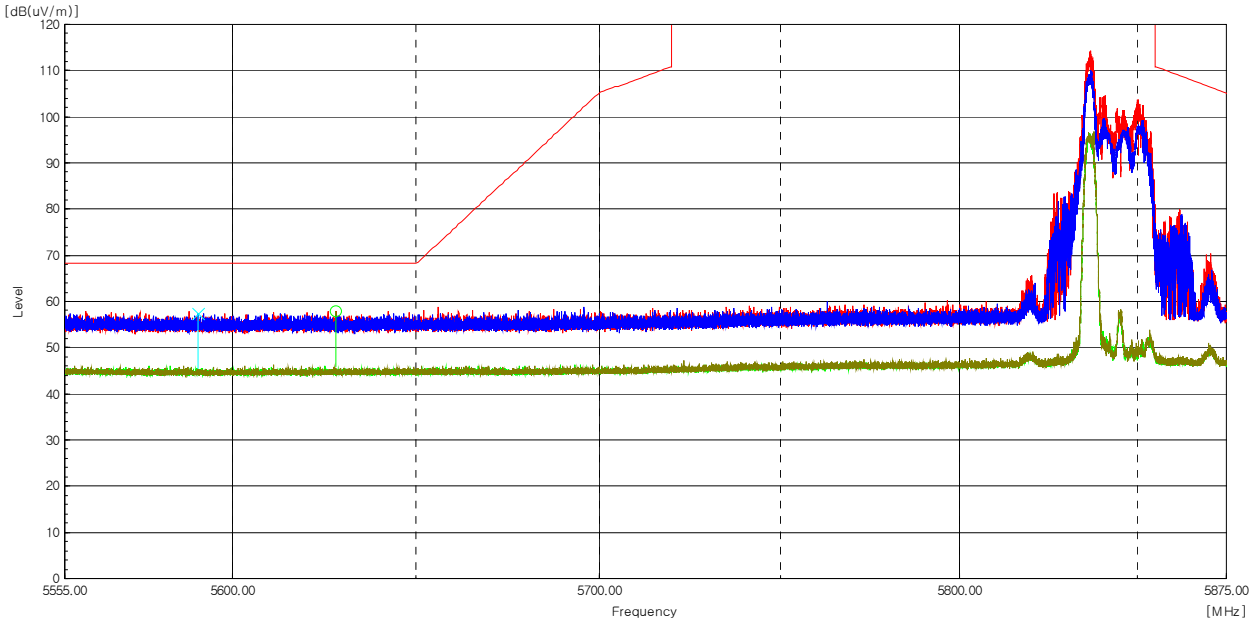
Ch.177(5 885 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 787.93	H	49.1	12.8	-----	61.9	-----	74.0	-----	12.1	-----	Peak
11 786.64	H	34.0	12.8	0.2	-----	47.0	-----	54.0	-----	7.0	Average
11 786.34	V	42.5	12.8	-----	55.3	-----	74.0	-----	18.7	-----	Peak
11 786.95	V	32.1	12.8	0.2	-----	45.1	-----	54.0	-----	8.9	Average

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

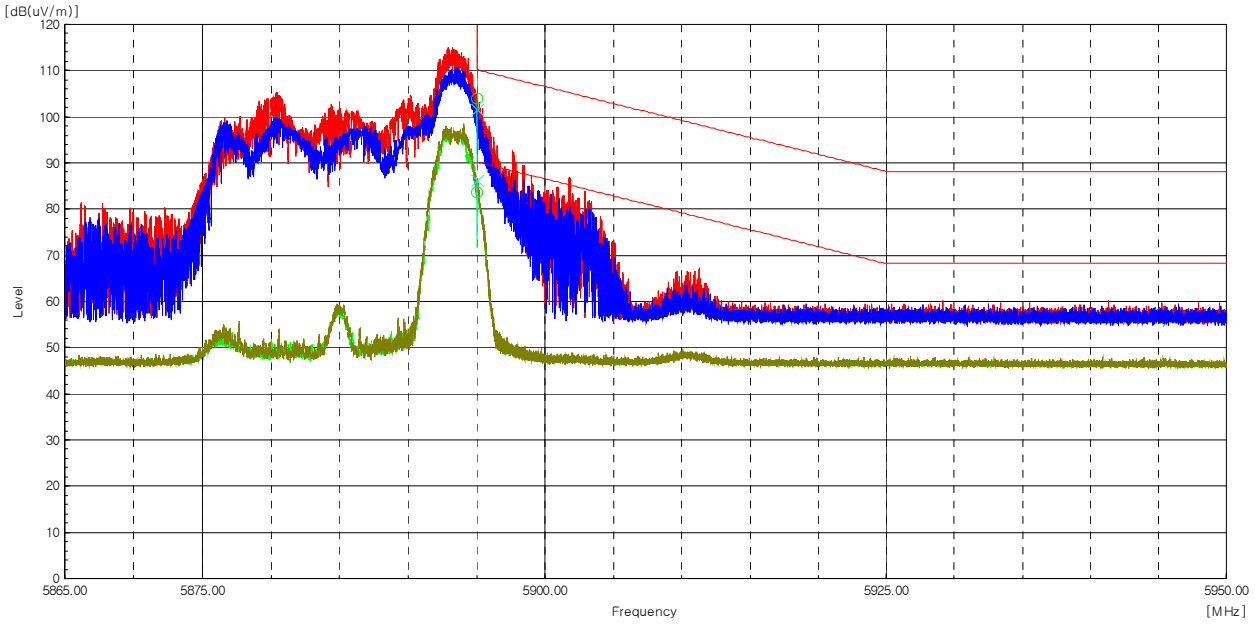
Worst Case Mode :	802.11ax_HE20_26T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 845 MHz
Channel :	165



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ax_HE20_26T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 885 MHz
Channel :	177



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.01	H	98.9	5.0	-----	103.9	-----	110.2	-----	6.3	-----	Peak
5 895.01	H	78.7	5.0	0.2	-----	83.9	-----	90.2	-----	6.3	Average
5 895.05	V	96.5	5.0	-----	101.5	-----	110.2	-----	8.7	-----	Peak
5 895.06	V	81.2	5.0	0.2	-----	86.4	-----	90.2	-----	3.8	Average

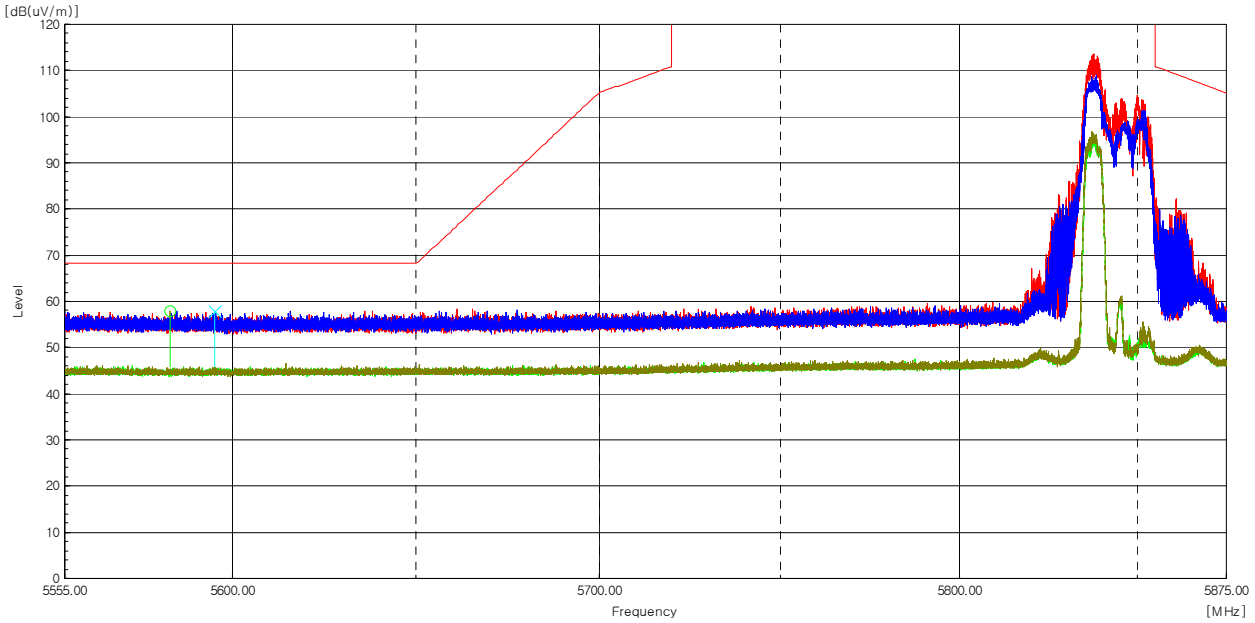
Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE20_52T

The requirements are:
☒ Complies

Test Data

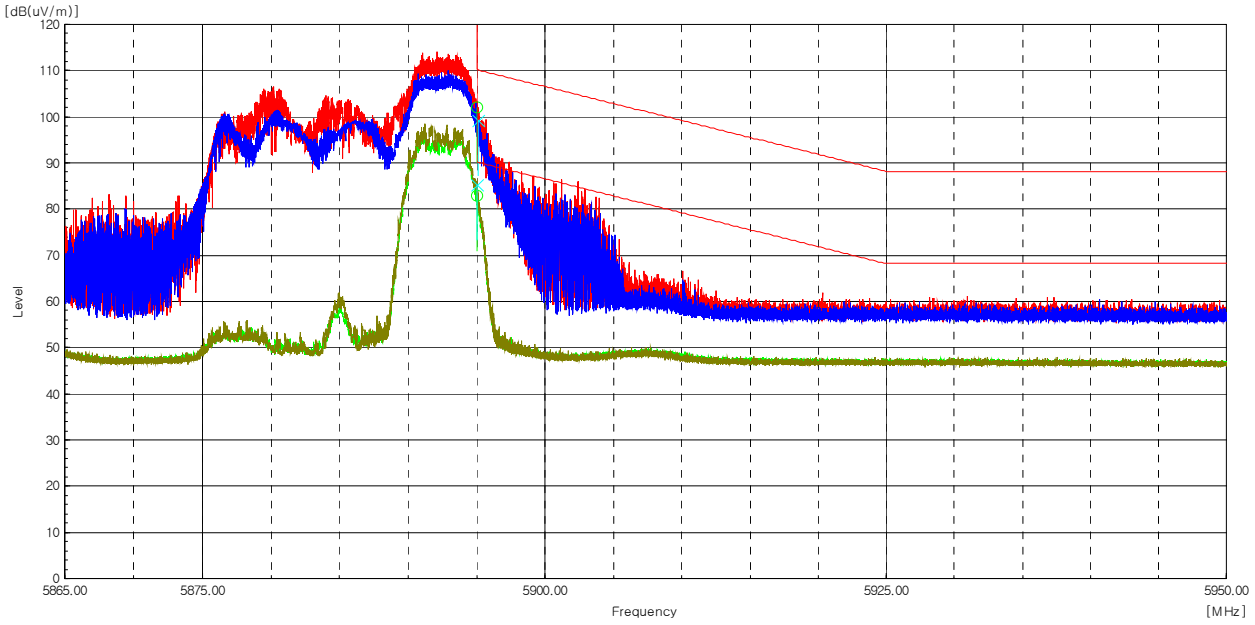
Worst Case Mode :	802.11ax_HE20_52T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 845 MHz
Channel :	165



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ax_HE20_52T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 885 MHz
Channel :	177



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.03	H	97.1	5.0	-----	102.1	-----	110.2	-----	8.1	-----	Peak
5 895.02	H	77.8	5.0	0.2	-----	83.0	-----	90.2	-----	7.2	Average
5 895.09	V	94.2	5.0	-----	99.2	-----	110.1	-----	10.9	-----	Peak
5 895.00	V	80.3	5.0	0.2	-----	85.5	-----	90.2	-----	4.7	Average

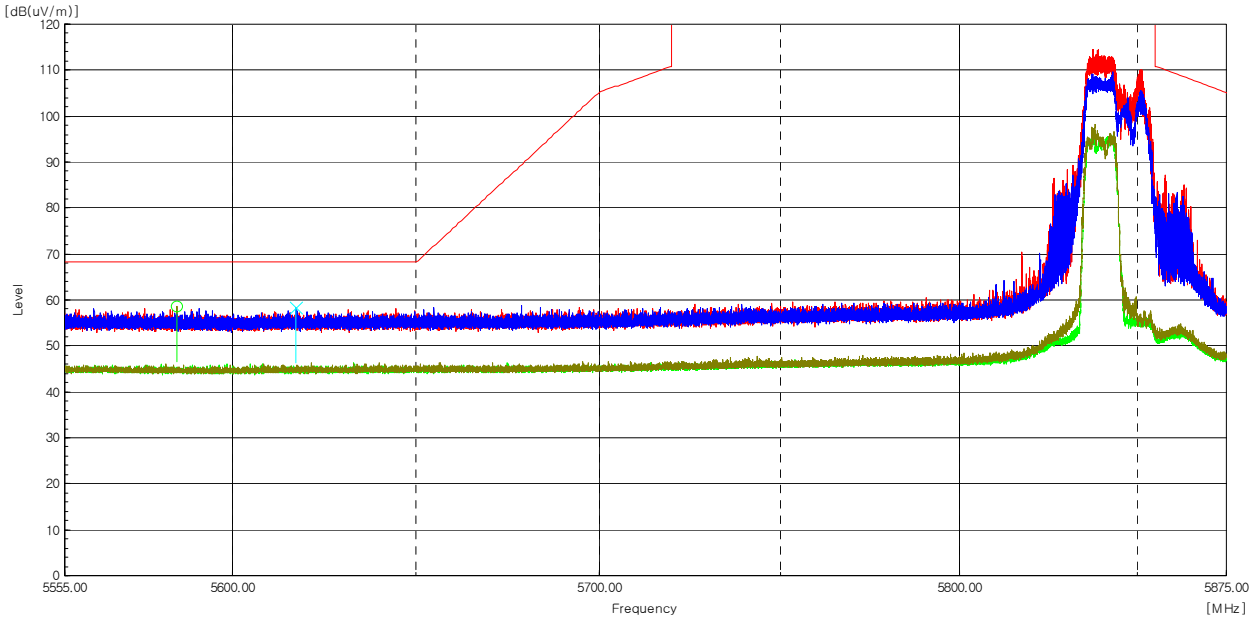
Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE20_106T

The requirements are:
☒ Complies

Test Data

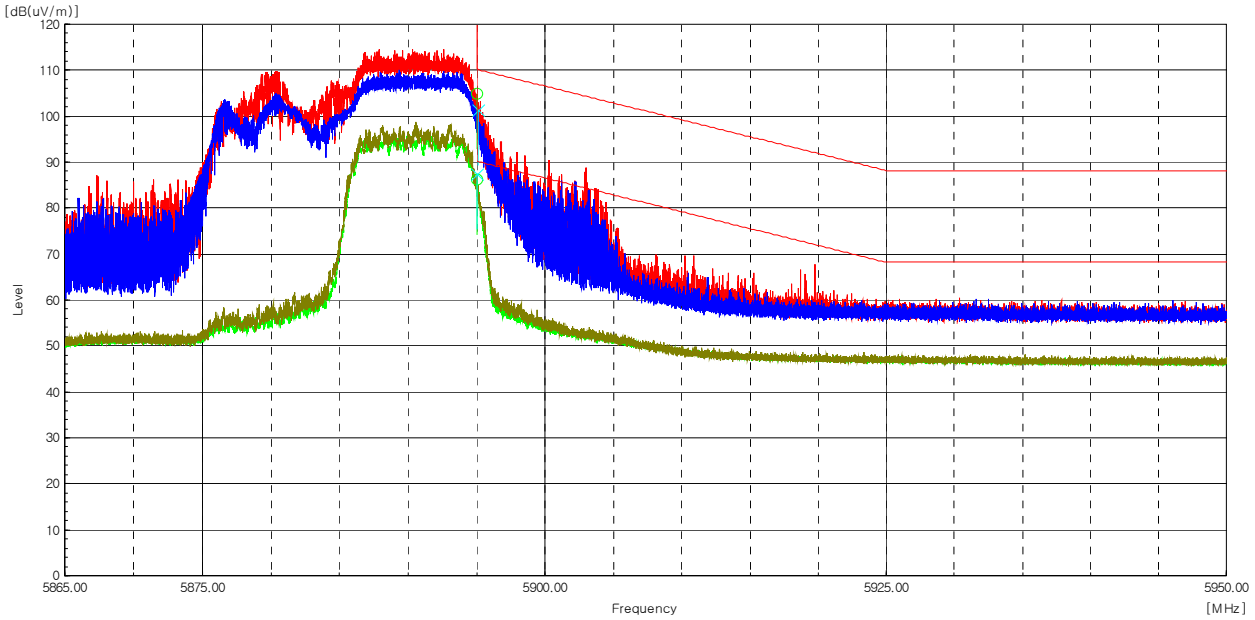
Worst Case Mode :	802.11ax_HE20_106T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 845 MHz
Channel :	165



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ax_HE20_106T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 885 MHz
Channel :	177



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.02	H	100.0	5.0	-----	105.0	-----	110.2	-----	5.2	-----	Peak
5 895.01	H	81.3	5.0	0.2	-----	86.5	-----	90.2	-----	3.7	Average
5 895.13	V	96.4	5.0	-----	101.4	-----	110.1	-----	8.7	-----	Peak
5 895.03	V	82.5	5.0	0.2	-----	87.7	-----	90.2	-----	2.5	Average

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE20_242T

The requirements are:
☒ Complies

Test Data

Ch.169(5 845 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 686.70	H	48.4	12.4	-----	60.8	-----	74.0	-----	13.2	-----	Peak
11 686.58	H	34.8	12.4	0.3	-----	47.5	-----	54.0	-----	6.5	Average
11 686.47	V	44.0	12.4	-----	56.4	-----	74.0	-----	17.6	-----	Peak
11 673.27	V	32.3	12.5	0.3	-----	45.1	-----	54.0	-----	8.9	Average
17 530.07	H	44.9	20.4	-----	65.3	-----	68.2	-----	2.9	-----	Peak
17 539.66	V	45.9	20.4	-----	66.3	-----	68.2	-----	1.9	-----	Peak

Ch.173(5 865 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 727.17	H	47.8	12.5	-----	60.3	-----	74.0	-----	13.7	-----	Peak
11 727.93	H	35.2	12.5	0.3	-----	48.0	-----	54.0	-----	6.0	Average
11 741.89	V	43.7	12.6	-----	56.3	-----	74.0	-----	17.7	-----	Peak
11 744.75	V	32.4	12.6	0.3	-----	45.3	-----	54.0	-----	8.7	Average
17 594.13	H	43.1	20.6	-----	63.7	-----	68.2	-----	4.5	-----	Peak
17 590.17	V	45.9	20.6	-----	66.5	-----	68.2	-----	1.7	-----	Peak

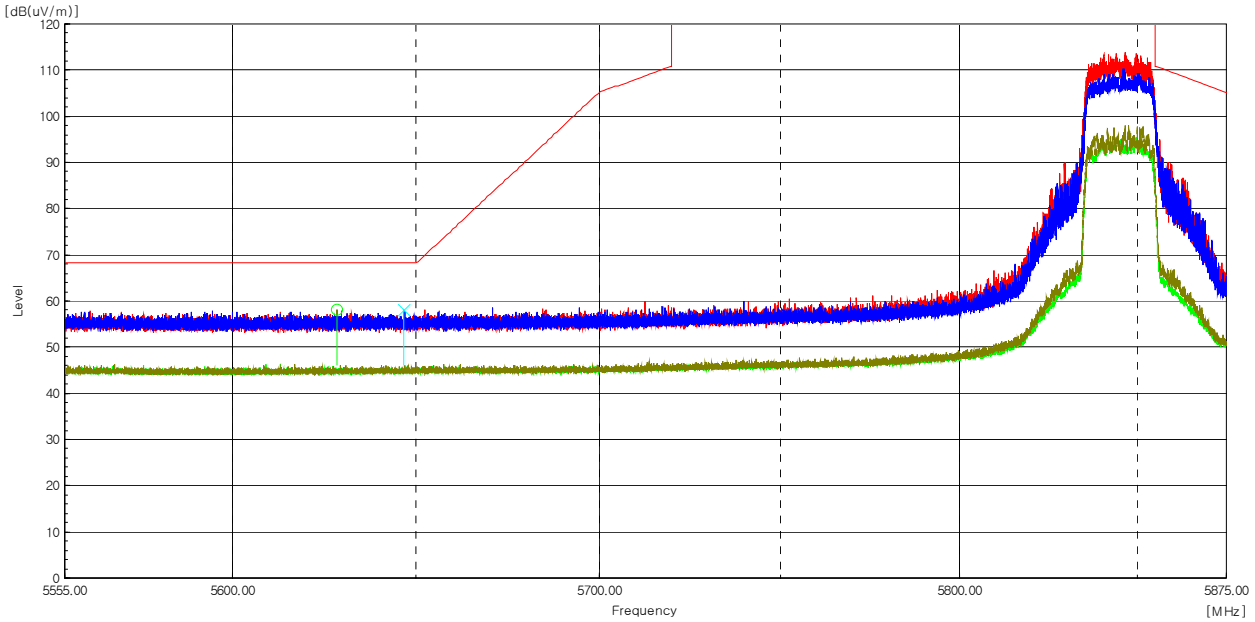
Ch.177(5 885 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 768.93	H	48.0	12.7	-----	60.7	-----	74.0	-----	13.3	-----	Peak
11 768.11	H	35.1	12.7	0.3	-----	48.1	-----	54.0	-----	5.9	Average
11 776.11	V	44.0	12.8	-----	56.8	-----	74.0	-----	17.2	-----	Peak
11 790.60	V	32.5	12.8	0.3	-----	45.6	-----	54.0	-----	8.4	Average
17 651.07	H	44.2	20.6	-----	64.8	-----	68.2	-----	3.4	-----	Peak
17 655.38	V	46.7	20.6	-----	67.3	-----	68.2	-----	0.9	-----	Peak

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

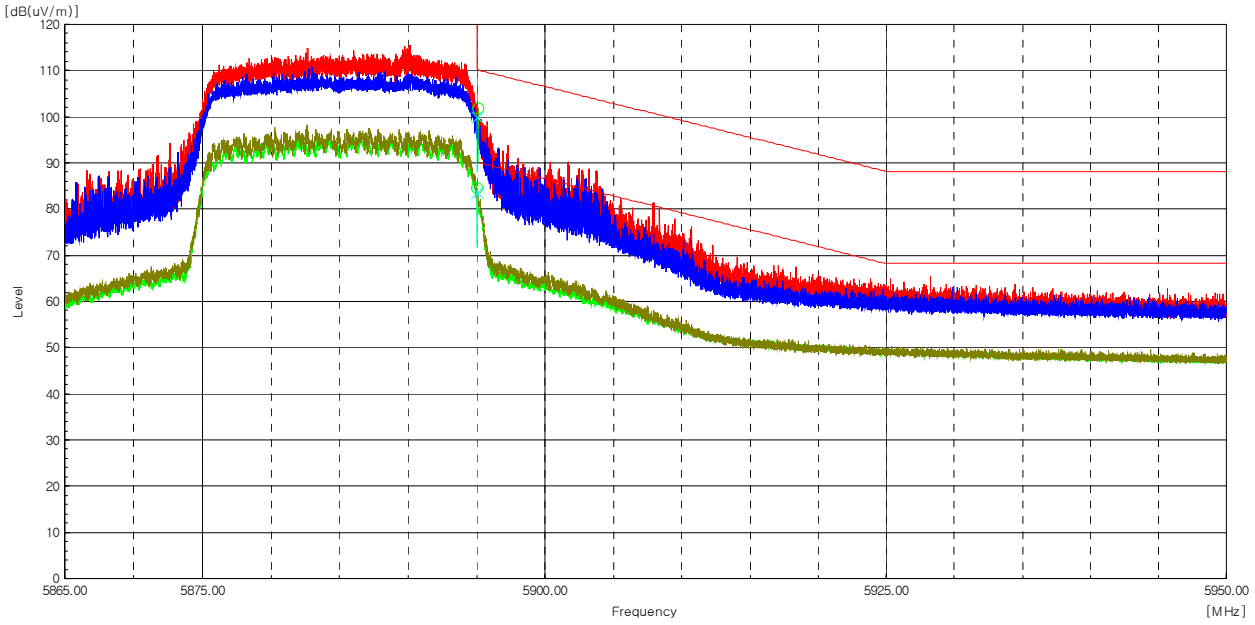
Worst Case Mode :	802.11ax_HE20_242T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 845 MHz
Channel :	165



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ax_HE20_242T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 885 MHz
Channel :	177



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.12	H	96.9	5.0	-----	101.9	-----	110.1	-----	8.2	-----	Peak
5 895.00	H	79.5	5.0	0.3	-----	84.8	-----	90.2	-----	5.4	Average
5 895.03	V	95.0	5.0	-----	100.0	-----	110.2	-----	10.2	-----	Peak
5 895.05	V	78.7	5.0	0.3	-----	84.0	-----	90.2	-----	6.2	Average

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11n_HT40

The requirements are:
☒ Complies

Test Data

Ch.167(5 835 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 664.54	H	45.2	12.5	-----	57.7	-----	74.0	-----	16.3	-----	Peak
11 668.03	H	32.9	12.5	0.3	-----	45.7	-----	54.0	-----	8.3	Average
11 660.99	V	42.8	12.6	-----	55.4	-----	74.0	-----	18.6	-----	Peak
11 669.07	V	31.5	12.5	0.3	-----	44.3	-----	54.0	-----	9.7	Average
17 507.90	H	43.9	20.5	-----	64.4	-----	68.2	-----	3.8	-----	Peak
17 503.56	V	46.1	20.5	-----	66.6	-----	68.2	-----	1.6	-----	Peak

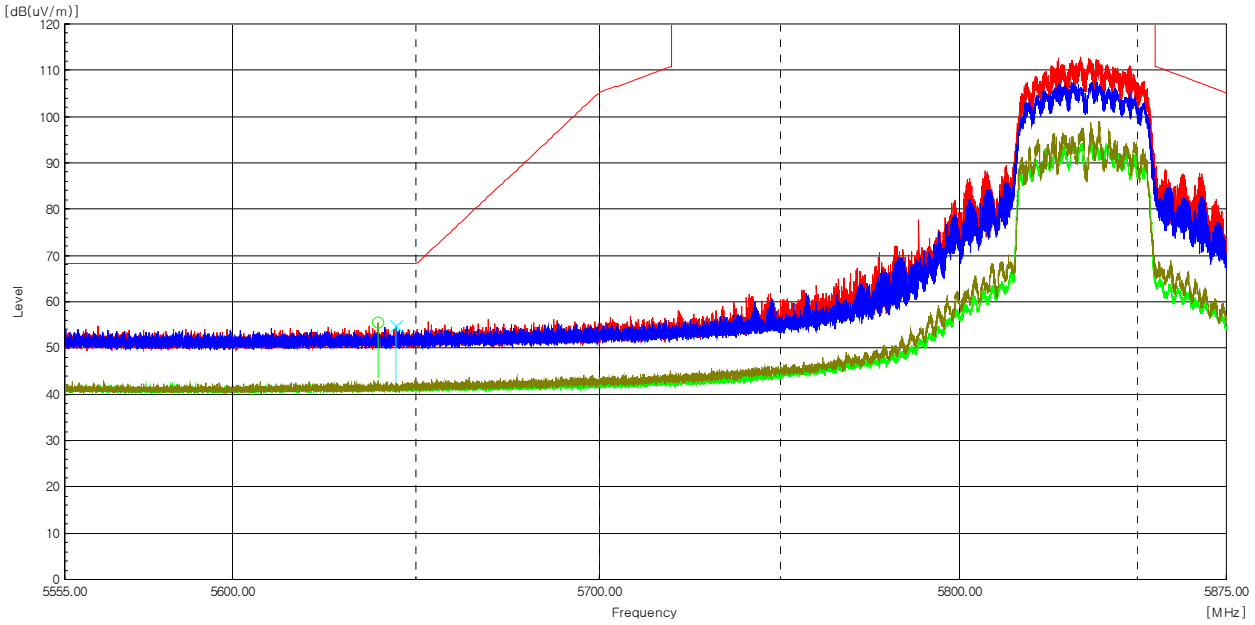
Ch.175(5 875 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 759.10	H	46.2	12.7	-----	58.9	-----	74.0	-----	15.1	-----	Peak
11 748.02	H	33.4	12.6	0.3	-----	46.3	-----	54.0	-----	7.7	Average
11 736.82	V	43.2	12.5	-----	55.7	-----	74.0	-----	18.3	-----	Peak
11 765.83	V	31.9	12.7	0.3	-----	44.9	-----	54.0	-----	9.1	Average
17 625.78	H	43.8	20.7	-----	64.5	-----	68.2	-----	3.7	-----	Peak
17 623.53	V	44.5	20.7	-----	65.2	-----	68.2	-----	3.0	-----	Peak

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

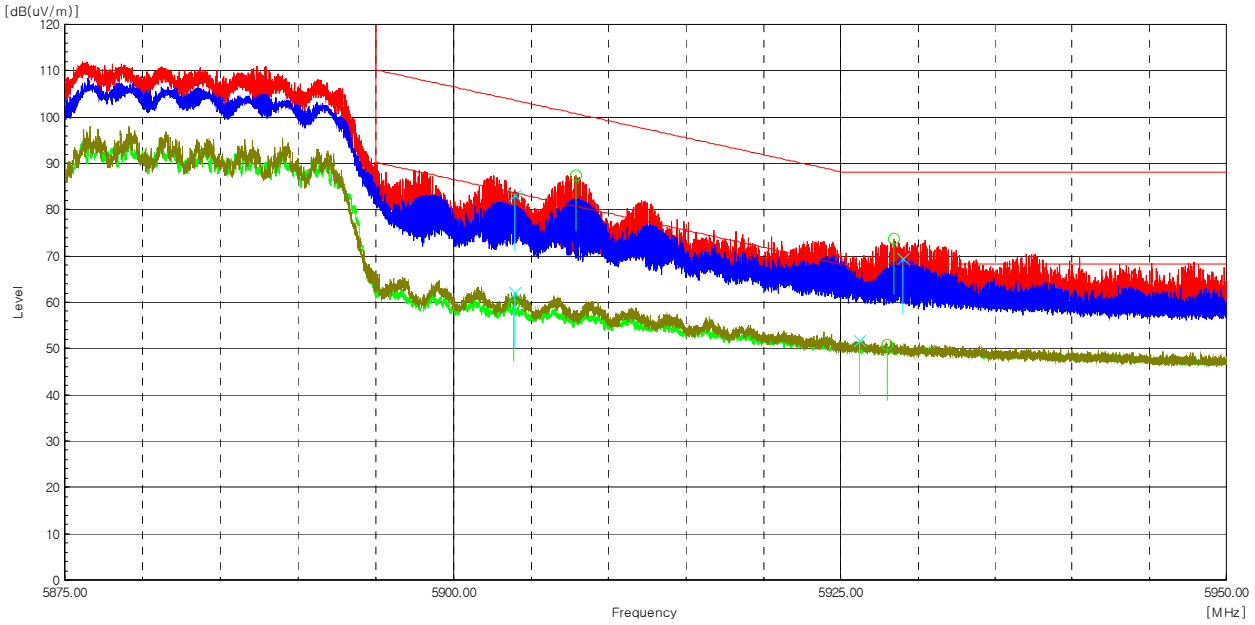
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 835 MHz
Channel :	167



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 639.50	H	51.4	4.1	-----	55.5	-----	68.2	-----	12.7	-----	Peak
5 644.57	V	50.7	4.1	-----	54.8	-----	68.2	-----	13.4	-----	Peak

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 875 MHz
Channel :	175



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 907.93	H	82.4	5.0	-----	87.4	-----	100.7	-----	13.3	-----	Peak
5 903.90	H	54.4	5.0	0.3	-----	59.7	-----	83.7	-----	24.0	Average
5 903.97	V	78.2	5.0	-----	83.2	-----	103.6	-----	20.4	-----	Peak
5 903.95	V	57.1	5.0	0.3	-----	62.4	-----	83.6	-----	21.2	Average
5 928.46	H	68.7	5.0	-----	73.7	-----	88.2	-----	14.5	-----	Peak
5 927.98	H	45.9	5.0	0.3	-----	51.2	-----	68.2	-----	17.0	Average
5 929.03	V	64.5	5.0	-----	69.5	-----	88.2	-----	18.7	-----	Peak
5 926.22	V	46.8	5.0	0.3	-----	52.1	-----	68.2	-----	16.1	Average

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ac_VHT40

The requirements are:
☒ Complies

Test Data

Ch.167(5 835 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 671.34	H	46.4	12.5	-----	58.9	-----	74.0	-----	15.1	-----	Peak
11 650.22	H	32.7	12.7	0.5	-----	45.9	-----	54.0	-----	8.1	Average
11 666.13	V	43.2	12.5	-----	55.7	-----	74.0	-----	18.3	-----	Peak
11 665.95	V	31.8	12.5	0.5	-----	44.8	-----	54.0	-----	9.2	Average
17 472.40	H	44.0	20.4	-----	64.4	-----	68.2	-----	3.8	-----	Peak
17 500.27	V	45.6	20.5	-----	66.1	-----	68.2	-----	2.1	-----	Peak

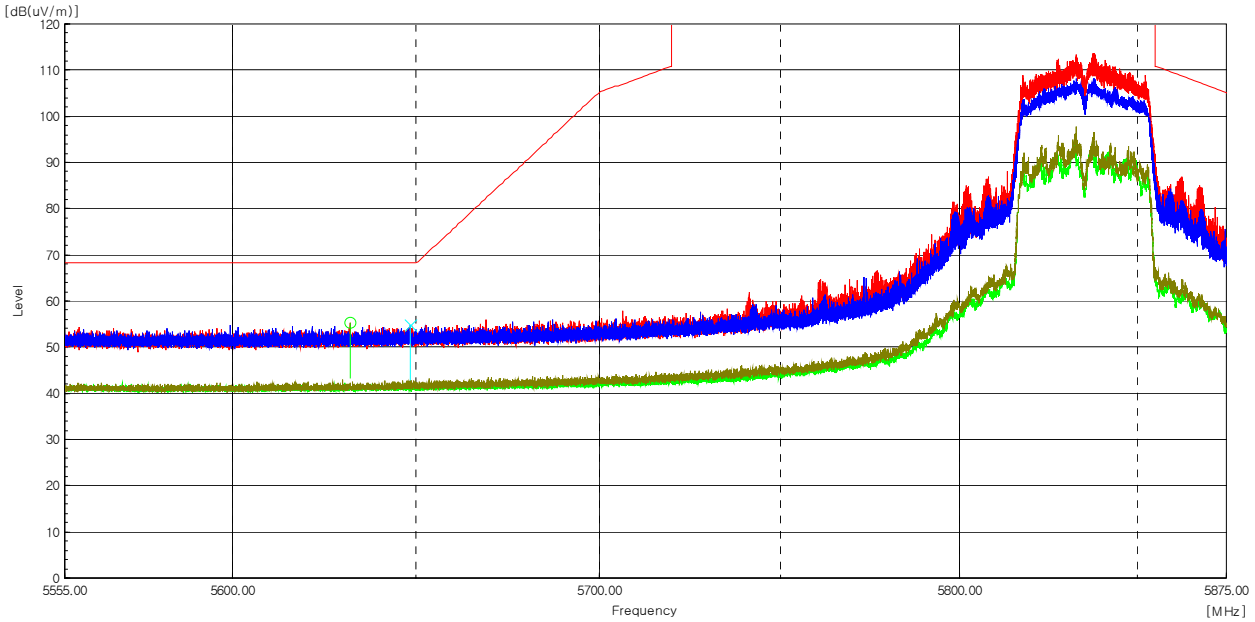
Ch.175(5 875 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 747.53	H	45.5	12.6	-----	58.1	-----	74.0	-----	15.9	-----	Peak
11 751.39	H	33.3	12.6	0.5	-----	46.4	-----	54.0	-----	7.6	Average
11 758.43	V	43.4	12.7	-----	56.1	-----	74.0	-----	17.9	-----	Peak
11 758.79	V	31.7	12.7	0.5	-----	44.9	-----	54.0	-----	9.1	Average
17 610.77	H	43.6	20.7	-----	64.3	-----	68.2	-----	3.9	-----	Peak
17 625.78	V	44.8	20.7	-----	65.5	-----	68.2	-----	2.7	-----	Peak

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

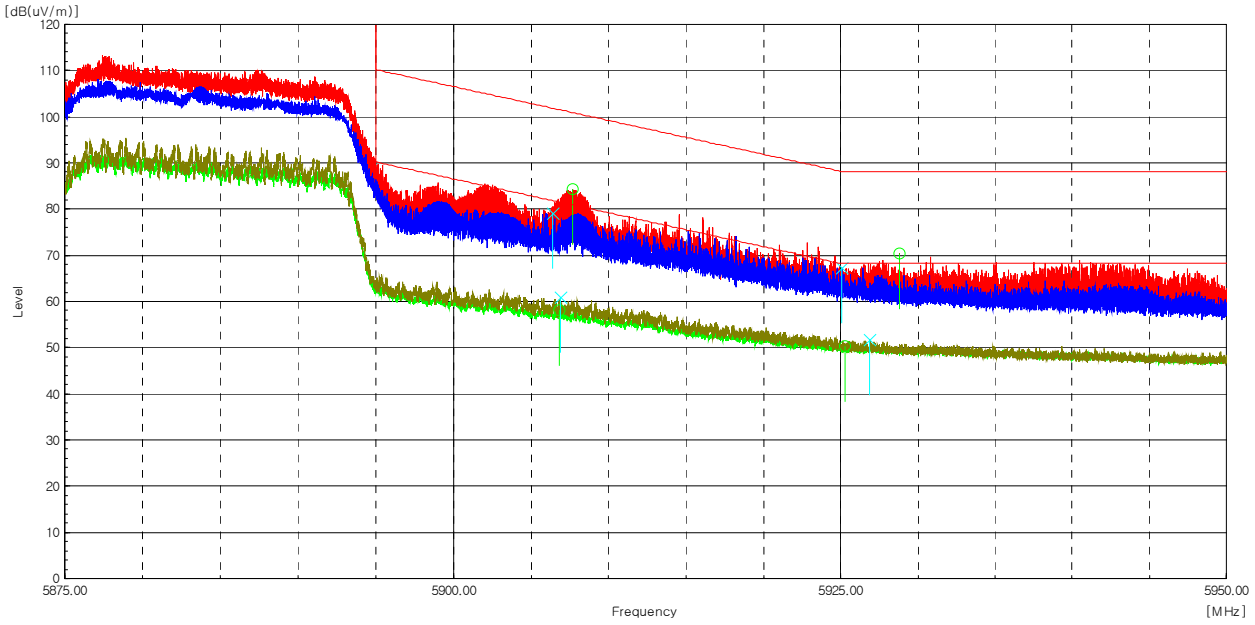
Worst Case Mode :	802.11ac_VHT40
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 835 MHz
Channel :	167



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 631.91	H	51.2	4.1	-----	55.3	-----	68.2	-----	12.9	-----	Peak
5 648.27	V	50.8	4.1	-----	54.9	-----	68.2	-----	13.3	-----	Peak

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ac_VHT40
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 875 MHz
Channel :	175



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 907.69	H	79.4	5.0	-----	84.4	-----	100.9	-----	16.5	-----	Peak
5 906.85	H	53.0	5.0	0.5	-----	58.5	-----	81.5	-----	23.0	Average
5 906.42	V	74.1	5.0	-----	79.1	-----	101.8	-----	22.7	-----	Peak
5 906.89	V	56.0	5.0	0.5	-----	61.5	-----	81.5	-----	20.0	Average
5 928.82	H	65.4	5.0	-----	70.4	-----	88.2	-----	17.8	-----	Peak
5 925.26	H	45.4	5.0	0.5	-----	50.9	-----	68.2	-----	17.3	Average
5 925.05	V	62.3	5.0	-----	67.3	-----	88.2	-----	20.9	-----	Peak
5 926.88	V	46.7	5.0	0.5	-----	52.2	-----	68.2	-----	16.0	Average

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE40_26T

The requirements are:
☒ Complies

Test Data

Ch.167(5 835 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 706.03	H	52.1	12.4	-----	64.5	-----	74.0	-----	9.5	-----	Peak
11 705.92	H	34.4	12.4	0.2	-----	47.0	-----	54.0	-----	7.0	Average
11 706.03	V	43.5	12.4	-----	55.9	-----	74.0	-----	18.1	-----	Peak
11 707.32	V	31.7	12.4	0.2	-----	44.3	-----	54.0	-----	9.7	Average

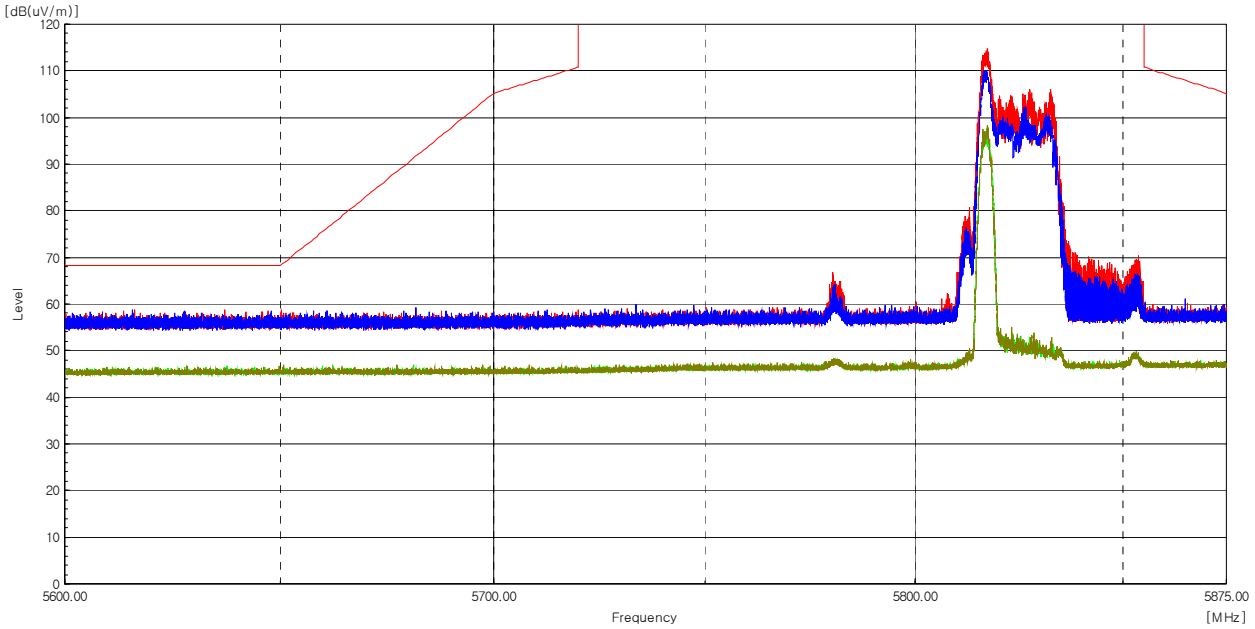
Ch.175(5 875 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 786.45	H	50.0	12.8	-----	62.8	-----	74.0	-----	11.2	-----	Peak
11 786.28	H	35.2	12.8	0.2	-----	48.2	-----	54.0	-----	5.8	Average
11 786.86	V	43.6	12.8	-----	56.4	-----	74.0	-----	17.6	-----	Peak
11 786.45	V	32.1	12.8	0.2	-----	45.1	-----	54.0	-----	8.9	Average

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

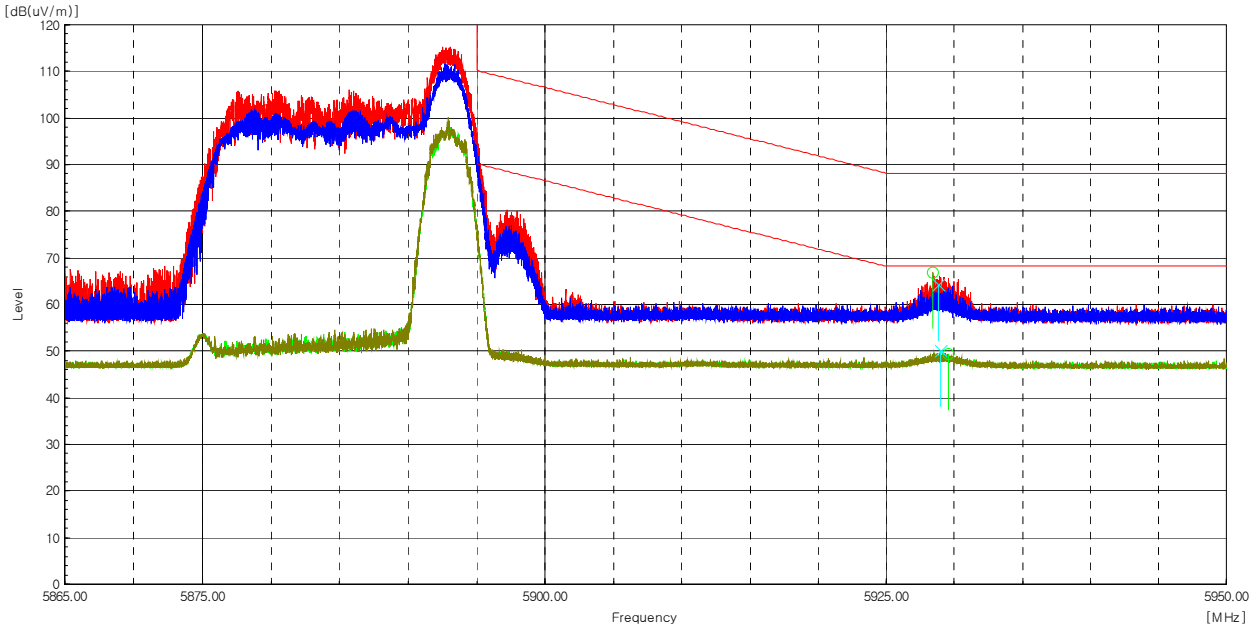
Worst Case Mode :	802.11ax_HE40_26T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 835 MHz
Channel :	167



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ax_HE40_26T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 875 MHz
Channel :	175



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 928.39	H	61.9	5.0	-----	66.9	-----	88.2	-----	21.3	-----	Peak
5 929.58	H	44.3	5.0	0.2	-----	49.5	-----	68.2	-----	18.7	Average
5 928.83	V	59.1	5.0	-----	64.1	-----	88.2	-----	24.1	-----	Peak
5 928.99	V	45.0	5.0	0.2	-----	50.2	-----	68.2	-----	18.0	Average

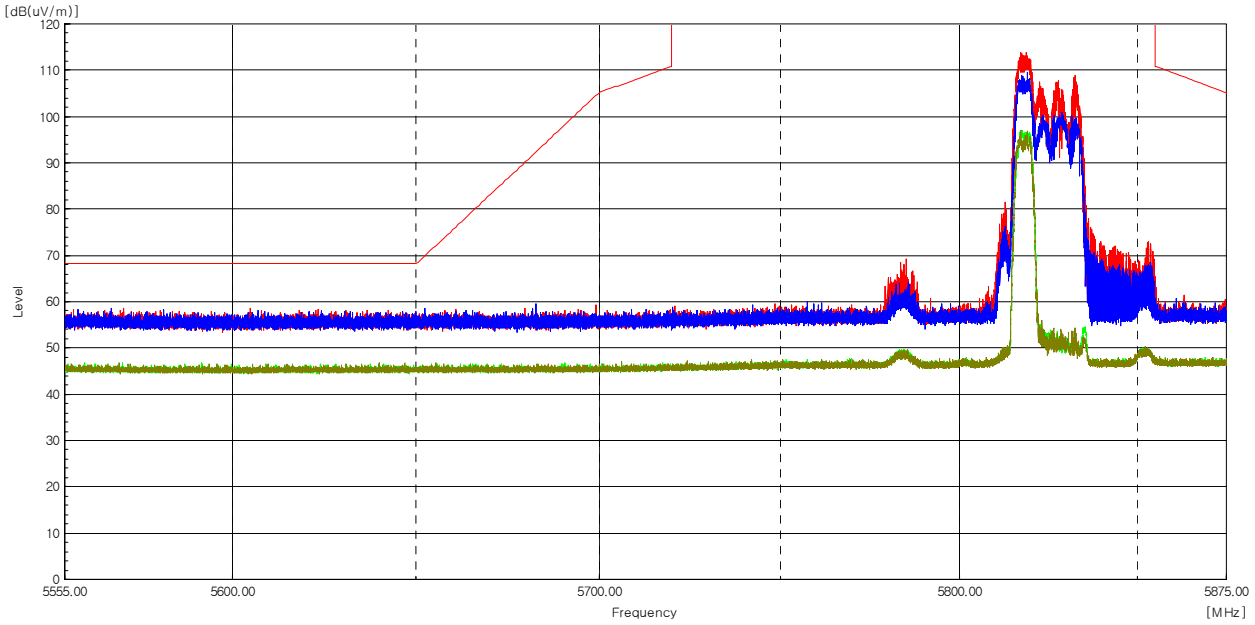
Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE40_52T

The requirements are:
☒ Complies

Test Data

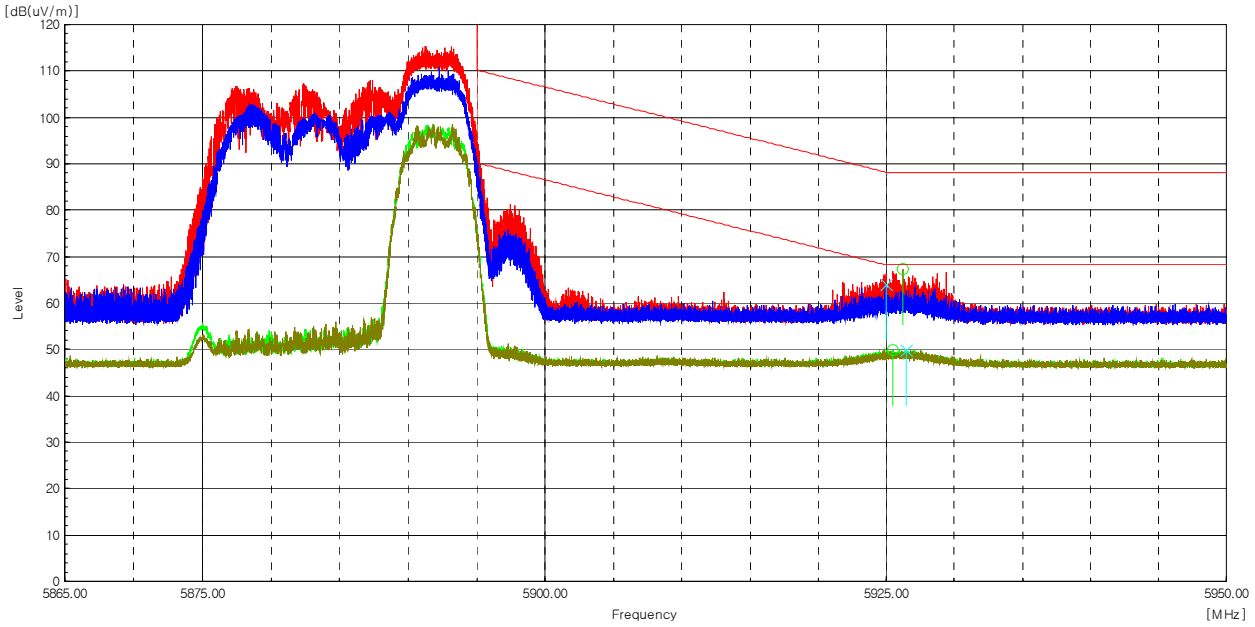
Worst Case Mode :	802.11ax_HE40_52T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 835 MHz
Channel :	167



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ax_HE40_52T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 875 MHz
Channel :	175



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 926.28	H	62.3	5.0	-----	67.3	-----	88.2	-----	20.9	-----	Peak
5 925.26	H	44.2	5.0	0.2	-----	49.4	-----	68.2	-----	18.8	Average
5 927.69	V	57.3	5.0	-----	62.3	-----	88.2	-----	25.9	-----	Peak
5 926.13	V	43.2	5.0	0.2	-----	48.4	-----	68.2	-----	19.8	Average

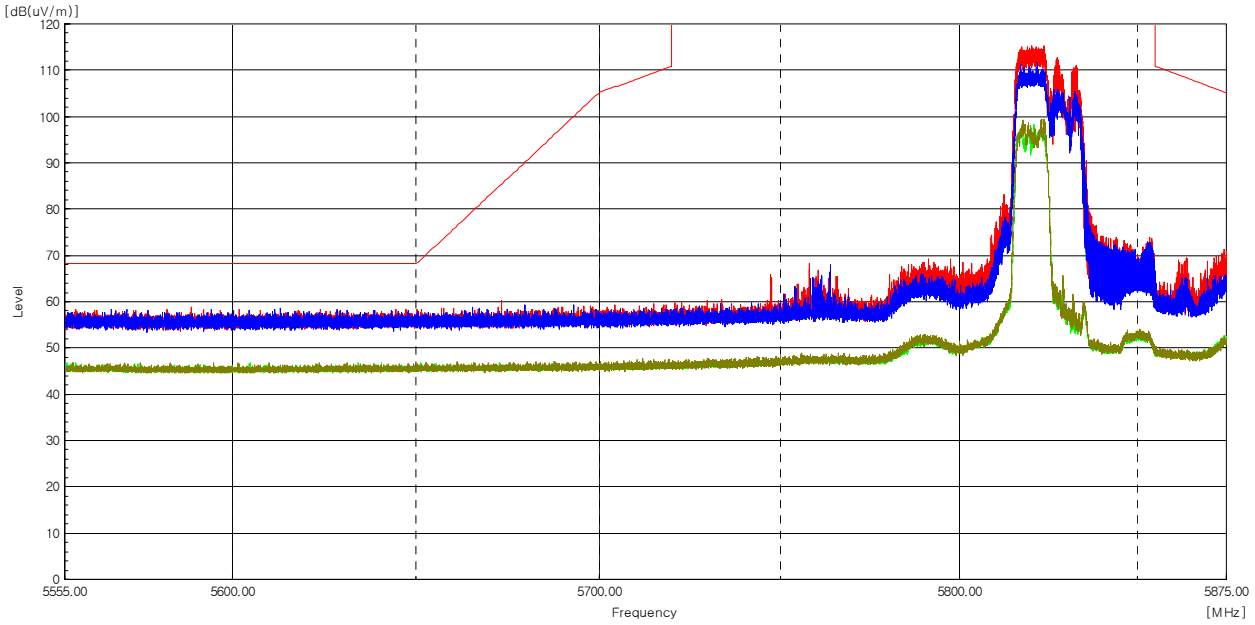
Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE40_106T

The requirements are:
☒ Complies

Test Data

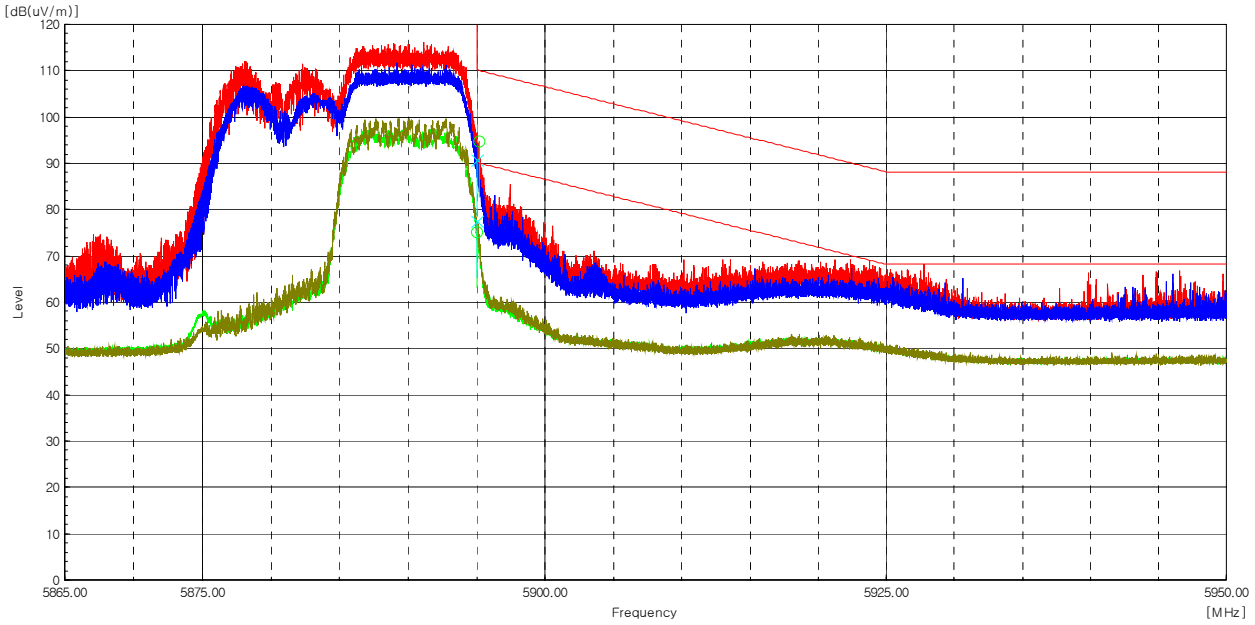
Worst Case Mode :	802.11ax_HE40_106T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 835 MHz
Channel :	167



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ax_HE40_106T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 875 MHz
Channel :	175



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.18	H	89.8	5.0	-----	94.8	-----	110.1	-----	15.3	-----	Peak
5 895.00	H	70.2	5.0	0.2	-----	75.4	-----	90.2	-----	14.8	Average
5 895.04	V	85.8	5.0	-----	90.8	-----	110.2	-----	19.4	-----	Peak
5 895.01	V	72.6	5.0	0.2	-----	77.8	-----	90.2	-----	12.4	Average

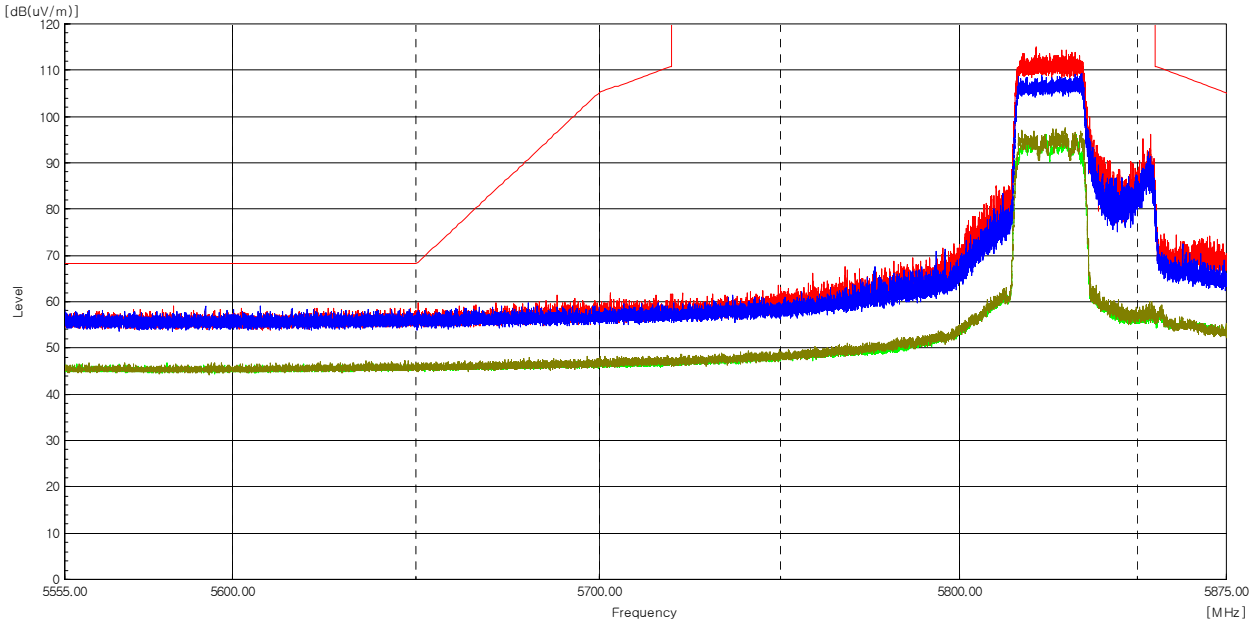
Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE40_242T

The requirements are:
☒ Complies

Test Data

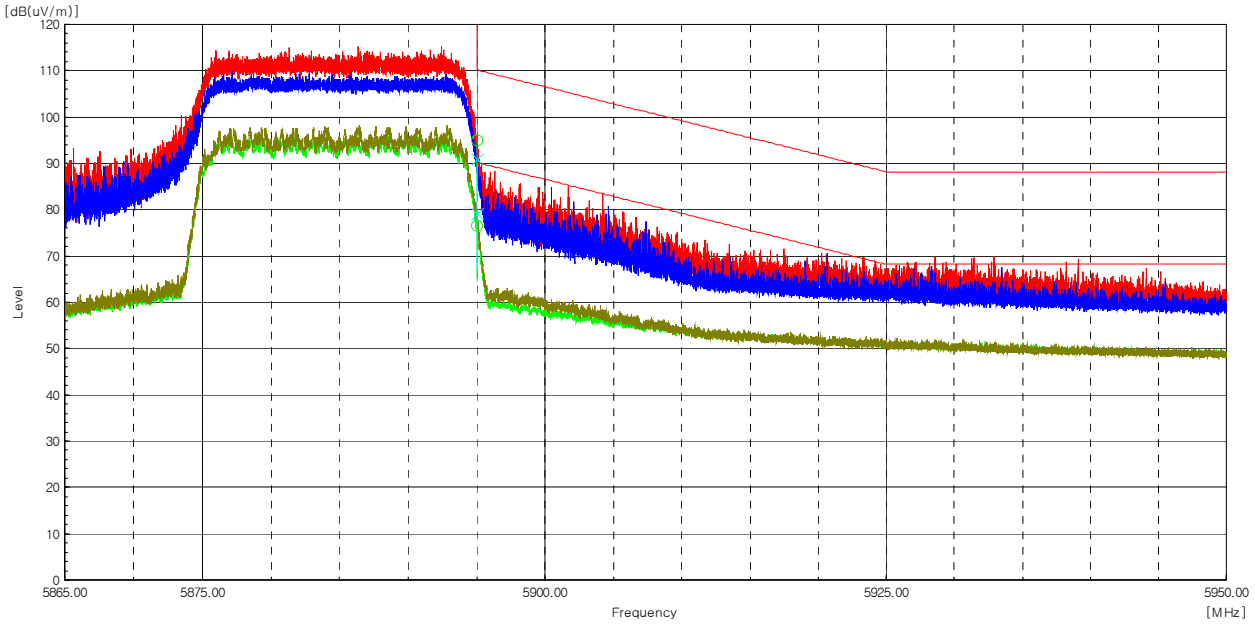
Worst Case Mode :	802.11ax_HE40_242T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 835 MHz
Channel :	167



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ax_HE40_242T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 875 MHz
Channel :	175



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
5 895.02	H	90.0	5.0	-----	95.0	-----	110.2	-----	15.2	-----	Peak
5 895.01	H	71.6	5.0	0.3	-----	76.9	-----	90.2	-----	13.3	Average
5 895.07	V	86.0	5.0	-----	91.0	-----	110.1	-----	19.1	-----	Peak
5 895.05	V	74.2	5.0	0.3	-----	79.5	-----	90.2	-----	10.7	Average

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE40_484T

The requirements are:
☒ Complies

Test Data

Ch.167(5 835 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 661.29	H	47.3	12.6	-----	59.9	-----	74.0	-----	14.1	-----	Peak
11 675.20	H	33.9	12.5	0.3	-----	46.7	-----	54.0	-----	7.3	Average
11 669.12	V	43.9	12.5	-----	56.4	-----	74.0	-----	17.6	-----	Peak
11 637.06	V	32.1	12.8	0.3	-----	45.2	-----	54.0	-----	8.8	Average
17 479.46	H	44.1	20.5	-----	64.6	-----	68.2	-----	3.6	-----	Peak
17 493.72	V	45.8	20.5	-----	66.3	-----	68.2	-----	1.9	-----	Peak

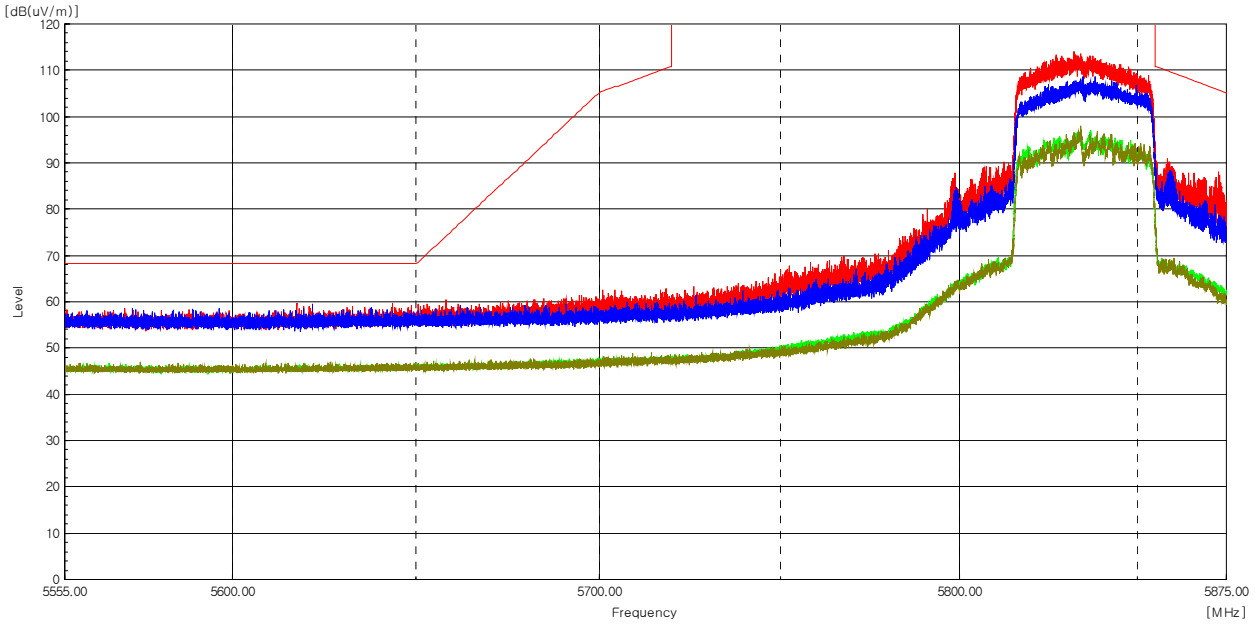
Ch.175(5 875 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
11 758.24	H	47.4	12.7	-----	60.1	-----	74.0	-----	13.9	-----	Peak
11 746.86	H	34.7	12.6	0.3	-----	47.6	-----	54.0	-----	6.4	Average
11 755.97	V	43.3	12.7	-----	56.0	-----	74.0	-----	18.0	-----	Peak
11 794.80	V	32.4	12.8	0.3	-----	45.5	-----	54.0	-----	8.5	Average
17 616.57	H	44.2	20.7	-----	64.9	-----	68.2	-----	3.3	-----	Peak
17 623.96	V	45.7	20.7	-----	66.4	-----	68.2	-----	1.8	-----	Peak

Remarks

1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Peak Result = Reading + c.f(Correction factor)
   Average Result = Reading + c.f(Correction factor) + Duty Cycle Factor
3. Correction factor = Antenna factor + Cable loss - Amp Gain

Worst Case Mode :	802.11ax_HE40_484T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 835 MHz
Channel :	167



Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot