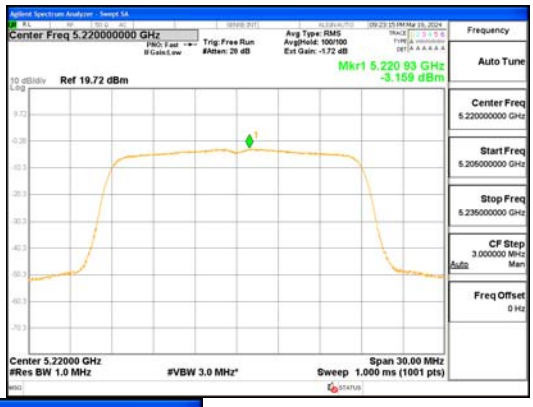
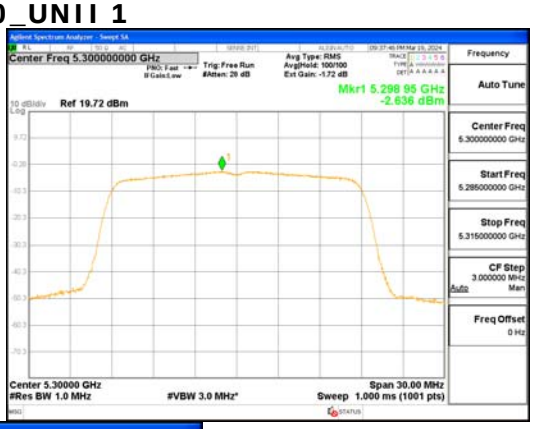
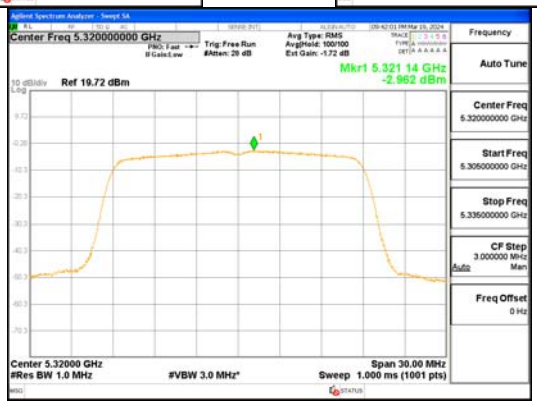
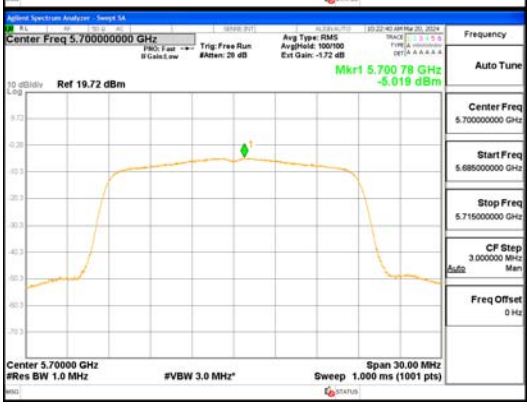


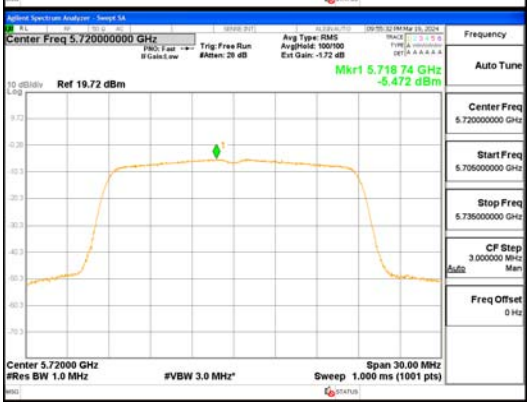
802.11ac_VHT20_UNII 1





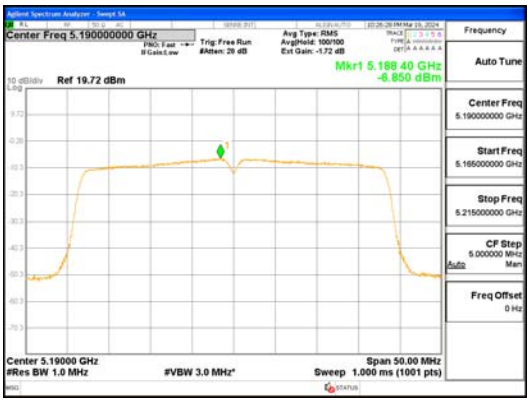
802.11ac_VHT20_UNII 2A



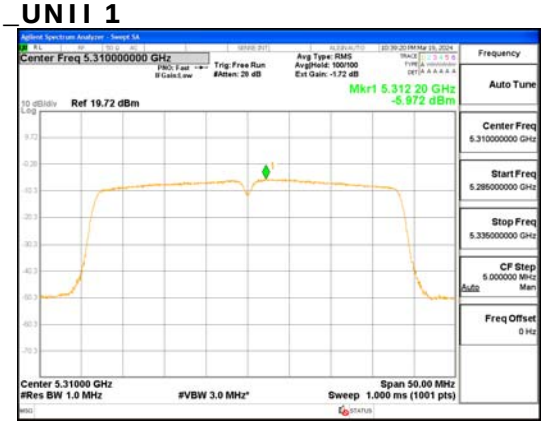


802.11ac_VHT20_UNII 2C

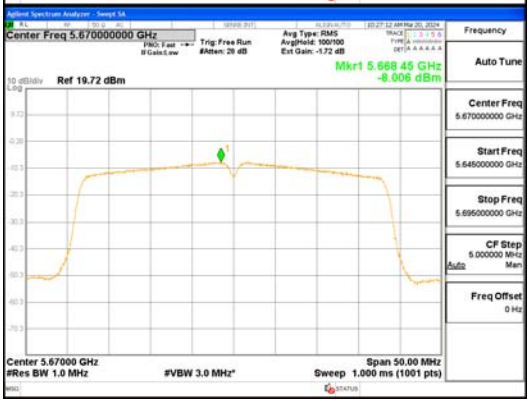
802.11ac_VHT20_UNII 3

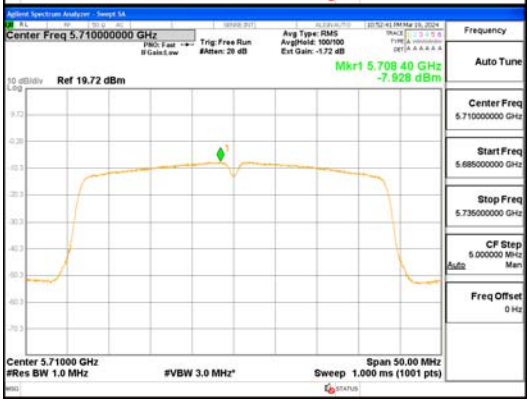


802.11n_HT40_UNII 1



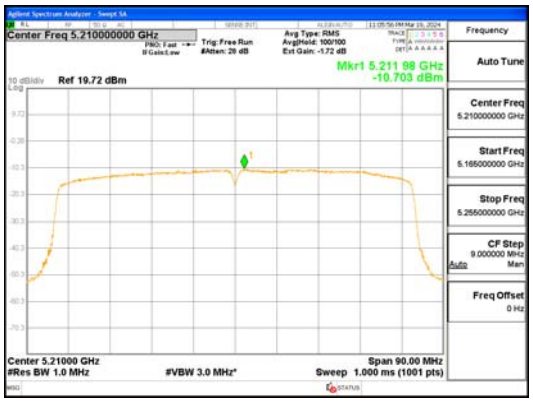
802.11n_HT40_UNII 2A



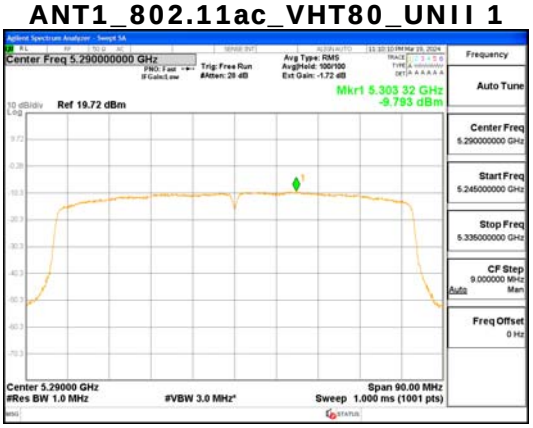


802.11n_HT40_UNII 2C

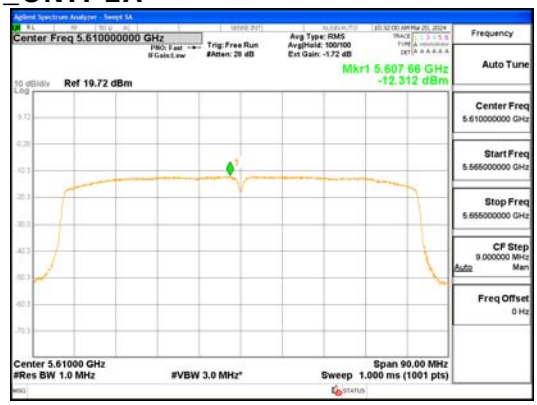
802.11n_HT40_UNII 3



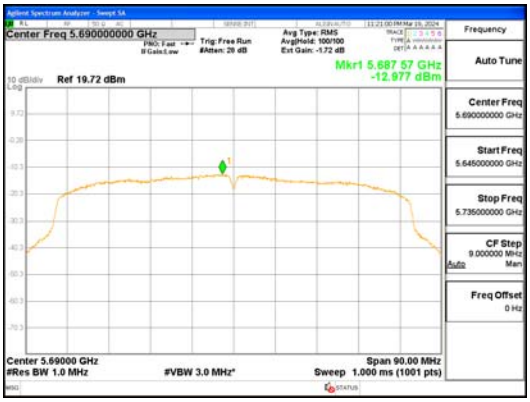
ANT1_802.11ac_VHT80_UNII 1



802.11ac_VHT80_UNII 2A



802.11ac_VHT80_UNII 2C



802.11ac_VHT80_UNII 2C

802.11ac_VHT80_UNII 3

4.5 Frequency Stability

Test Procedures

The EUT was placed inside of an environmental chamber as the temperature in the chamber was varied between 0 ℃ and +50 ℃(Declaration by the Manufacturer). The temperature was incremented by 10 ℃(5 ℃) 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.

Temperature (℃)	0	10	20	30	40	50
Frequency (MHz)	Measured Frequency Error (Hz)					
5 180	15 336	7 079	-10 899	-8 390	-11 994	3 311
5 220	14 495	5 972	-10 782	-9 532	-11 100	6 528
5 240	14 065	5 583	-10 511	-10 001	-9 235	9 151
5 260	13 614	5 382	-10 234	-10 216	-7 580	11 648
5 300	13 214	4 901	-9 649	-10 597	-6 128	14 969
5 320	12 974	4 744	-10 551	-10 709	-5 855	18 116
5 500	11 764	3 096	-6 333	-11 808	-7 194	25 642
5 600	10 674	1 880	-6 912	-12 304	-7 227	32 182
5 700	10 589	2 077	-6 706	-12 293	-7 067	43 483
5 720	10 232	1 740	-6 316	-12 567	-7 078	36 635
5 745	13 363	4 630	-6 316	-11 800	-7 170	34 290
5 785	13 798	5 053	-6 239	-11 774	-7 065	35 325
5 825	14 002	5 068	-6 272	-11 754	-7 066	36 877

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

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 rage 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	0.99
802.11n_HT20	0.48
802.11n_HT40	0.70
802.11ac_VHT20	0.34
802.11ac_VHT40	0.76
802.11ac_VHT80	1.70

Limit

UNII 1 : All emissions outside of the 5.15-5.24 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

UNII 3 : 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.

※ Limit conversion
E [dBuV/m] = EIRP [dBm] – 20log(D) + 104.8 ;
where
D is the measurement distance(in the far field region) and this test was measured at 3m.
EIPR : -27 dBm/MHz,
Therefore, E : 68.2 dBuV/m

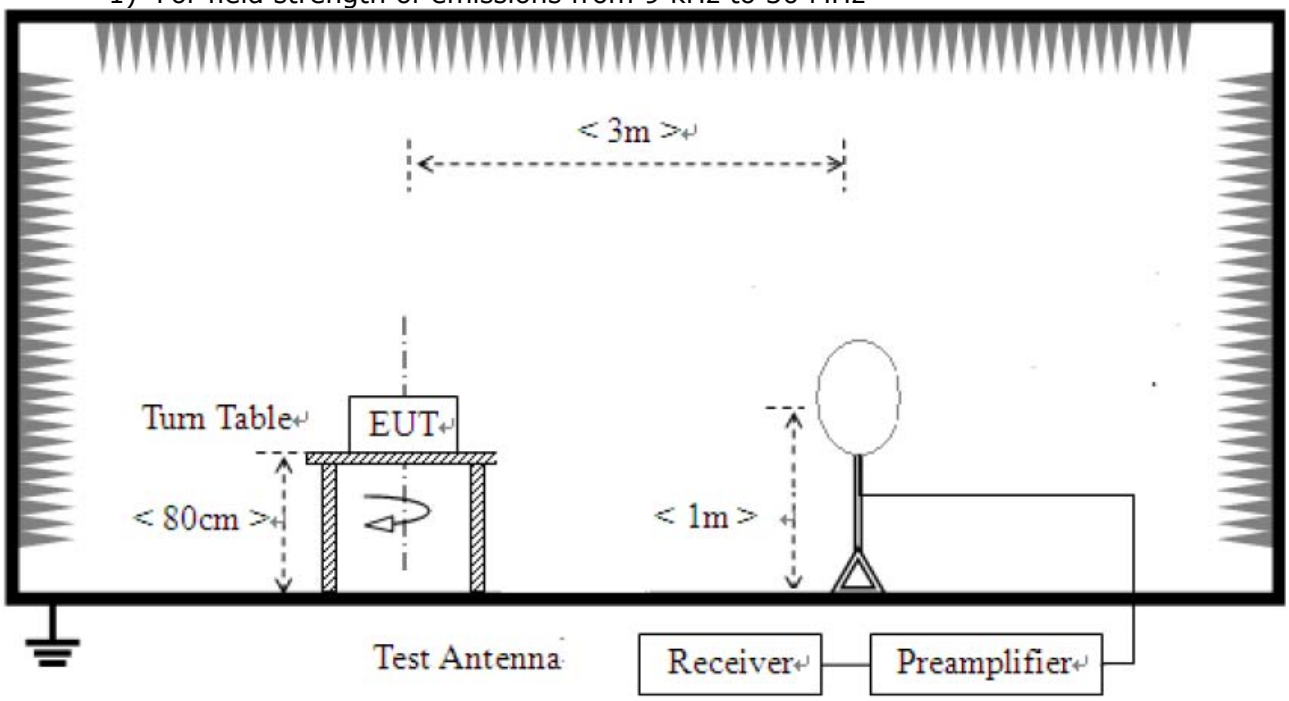
- **15.209(a)**

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

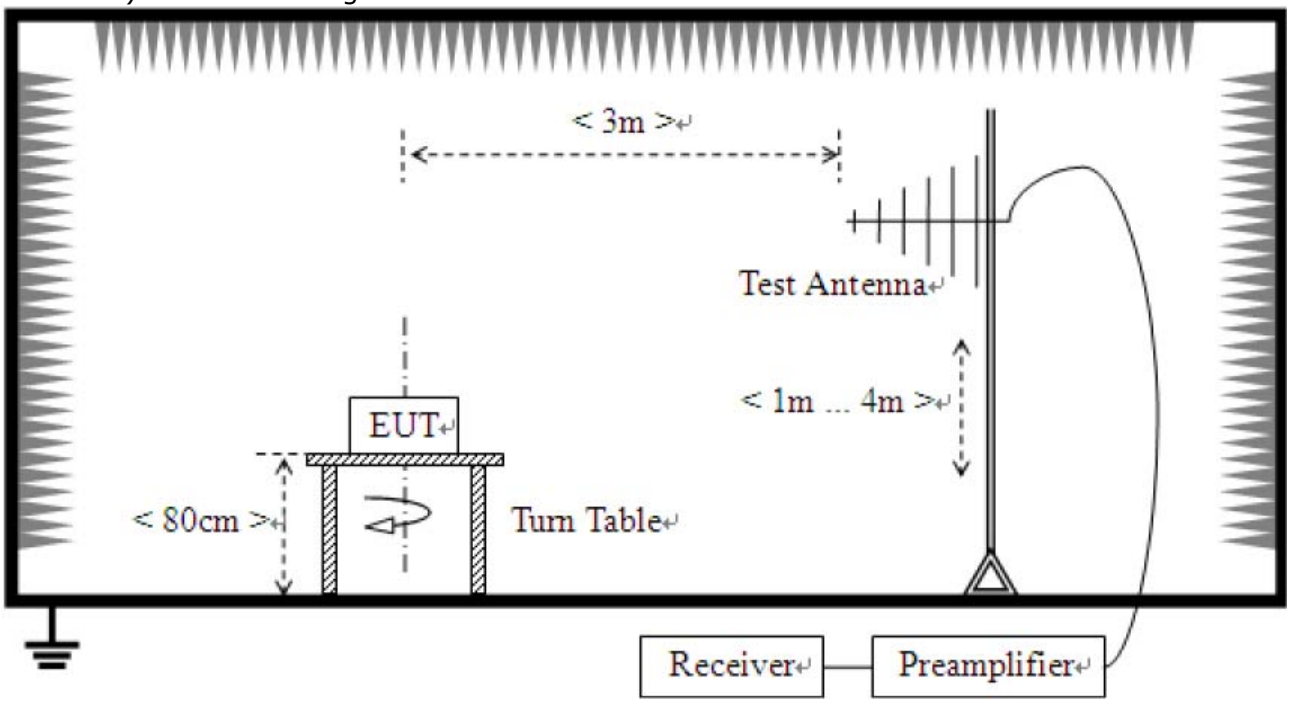
** Except as provided in 15.209(g).fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72MHz, 76-88MHz, 174-216MHz, 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g.15.231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

Test Setup:

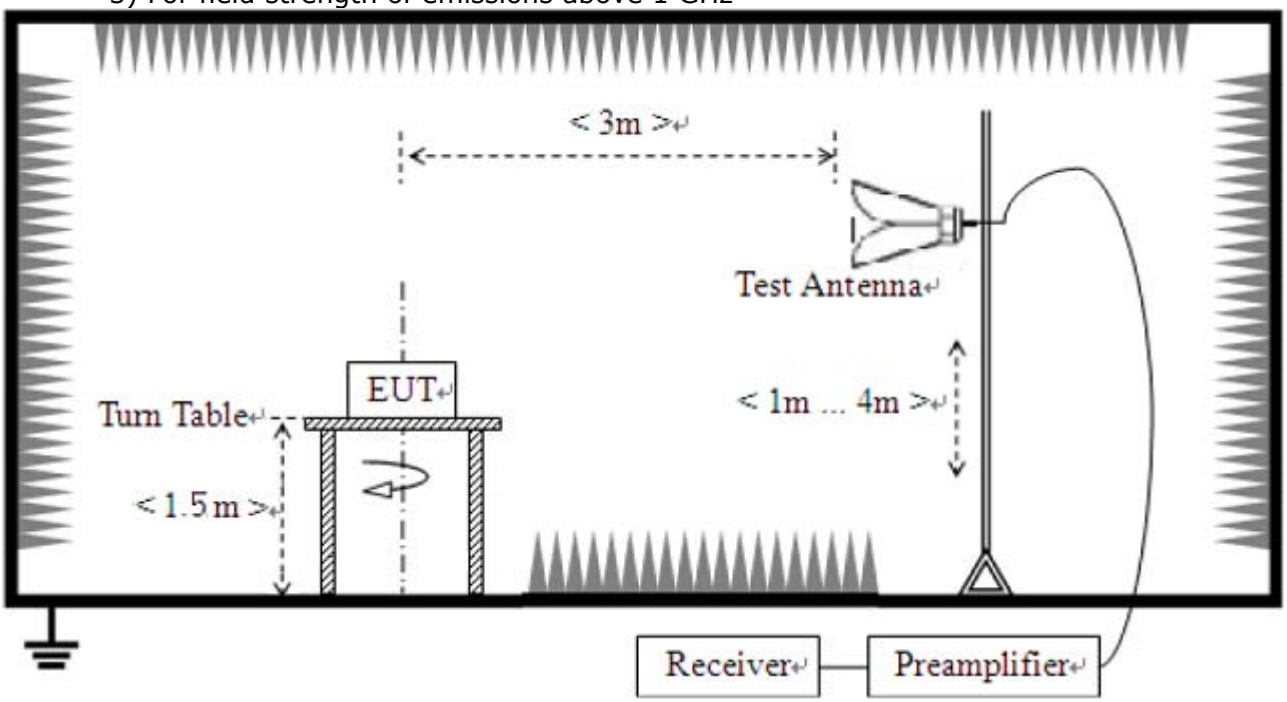
1) For field strength of emissions from 9 kHz to 30 MHz



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.

MIMO_802.11a, n, ac mode: ANT0 + ANT1

So the results are only attached worst cases.

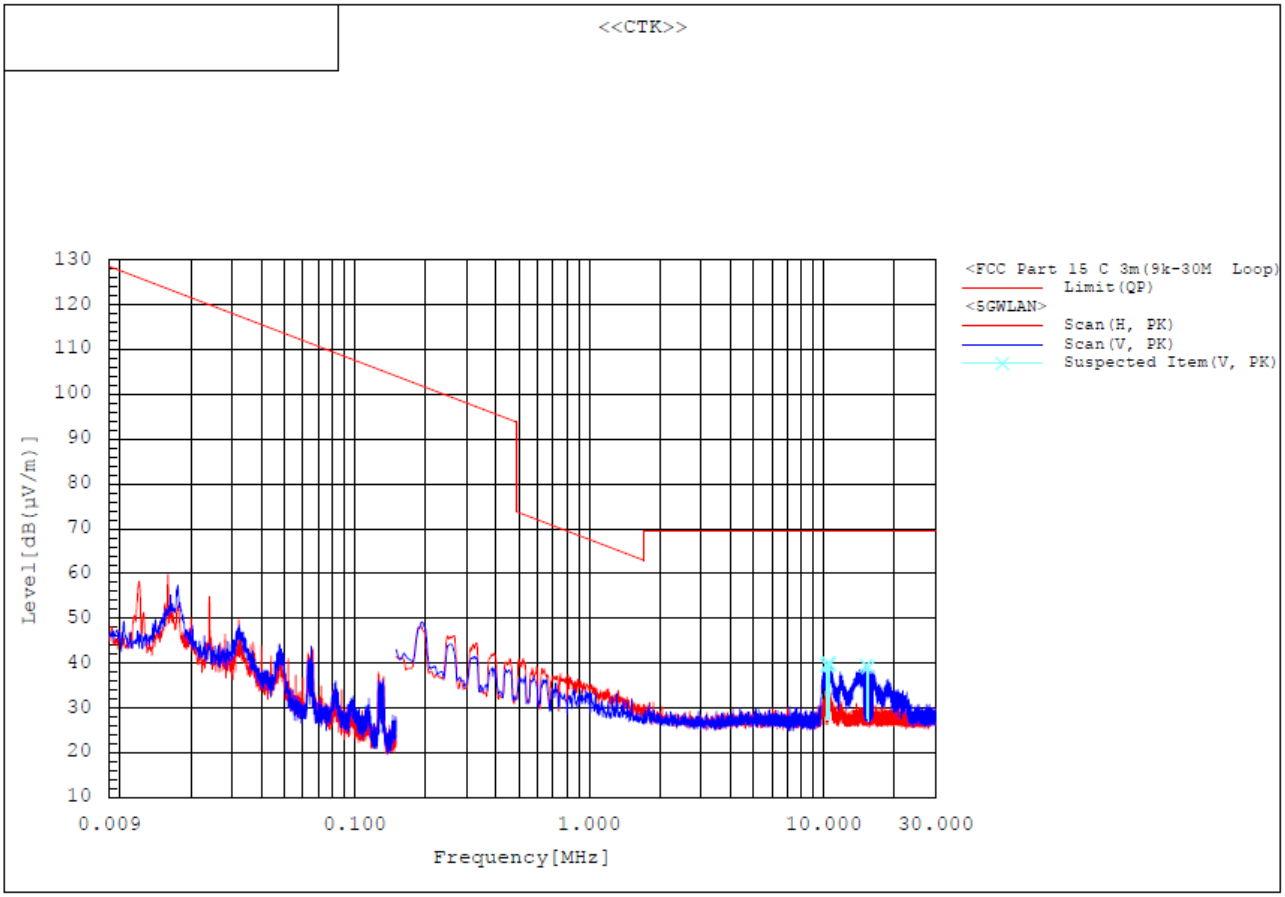
Test Results

1) 9 kHz to 30 MHz

Test mode : 802.11n-HT20, Low Channel (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.						

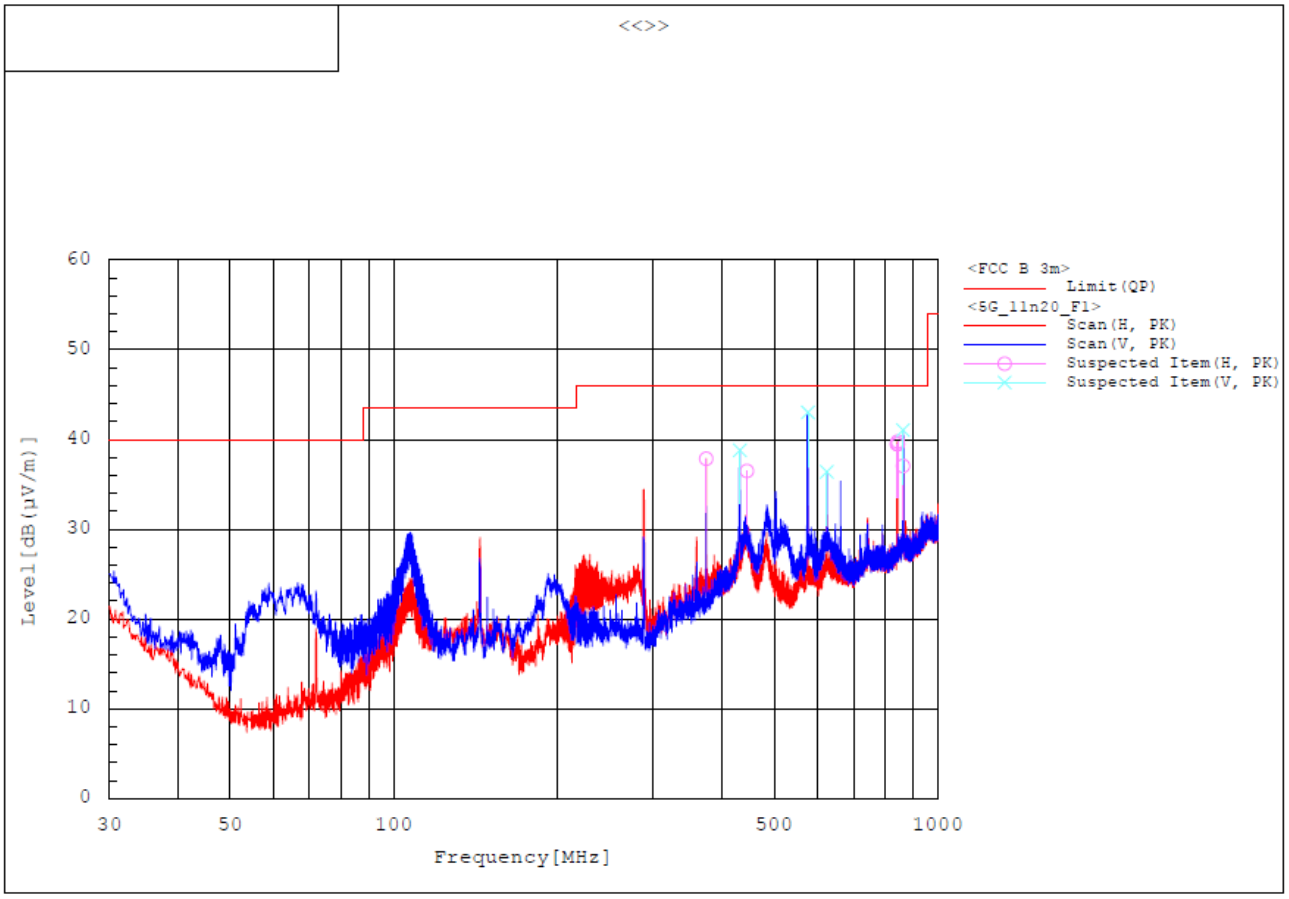
Remark :
1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Result = Reading + c.f(Correction factor)
3. Correction factor = Antenna factor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

2) 30 MHz to 1 GHz

Test mode : 802.11n-HT20, Low Channel (Worst Case)

The requirements are:
☒ Complies

Test Data



Spectrum Selection

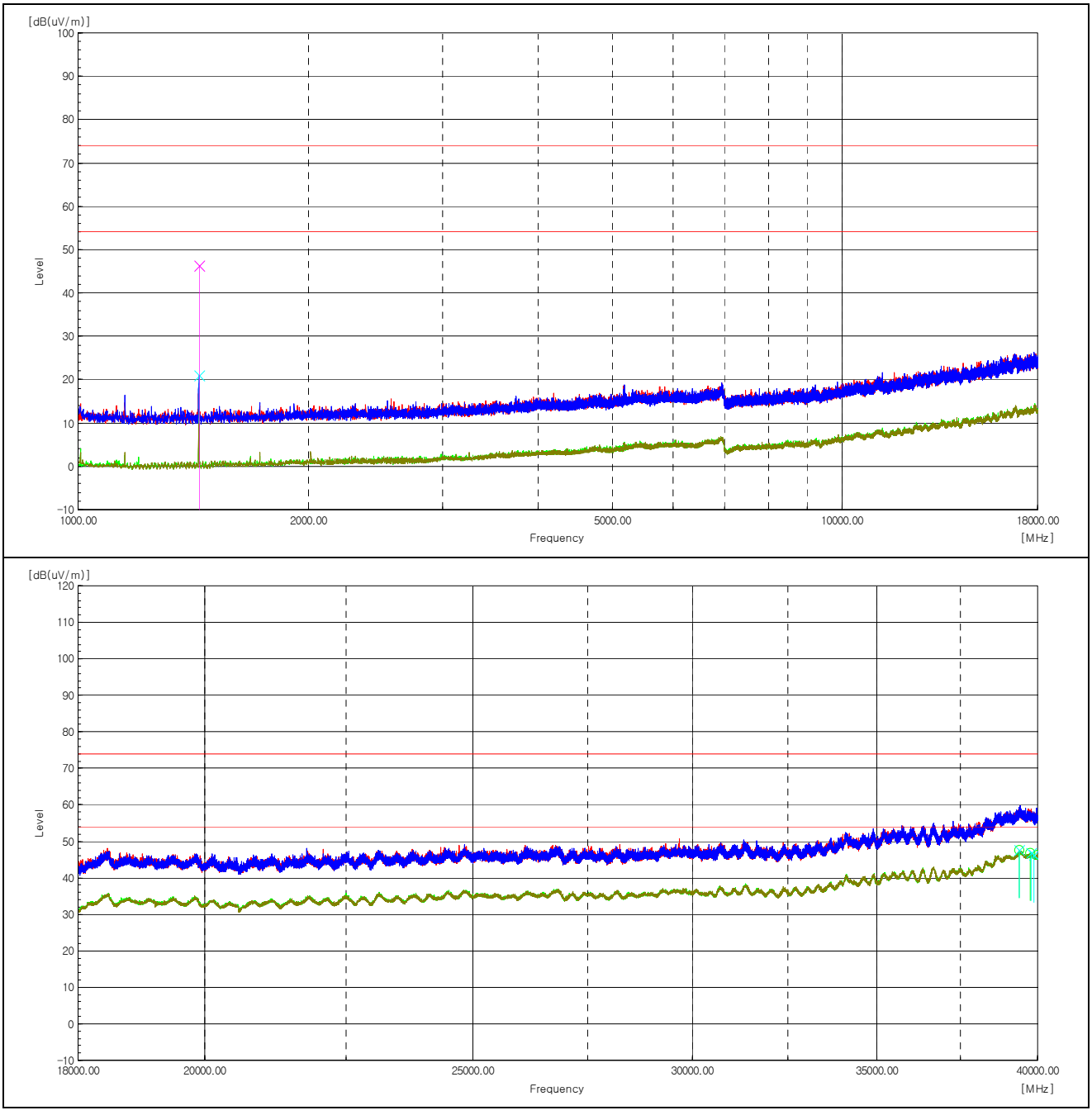
No.	Frequency [MHz]	Pol	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP-PK [dB]	Height [cm]	Angle [deg]	Remark
1	375.029	H	45.9	-8.0	37.9	46.0	8.1	99.9	126.3	
2	432.647	V	44.7	-5.9	38.8	46.0	7.2	99.9	359.1	
3	445.548	H	42.4	-5.9	36.5	46.0	9.5	99.9	35.1	
4	576.886	V	45.2	-2.2	43.0	46.0	3.0	99.9	23.0	
5	624.998	V	38.5	-2.1	36.4	46.0	9.6	99.9	0.3	
6	840.532	H	37.4	2.1	39.5	46.0	6.5	400.1	355.2	
7	843.442	H	37.4	2.4	39.8	46.0	6.2	400.1	0.2	
8	844.024	H	37.1	2.4	39.5	46.0	6.5	400.1	57.6	
9	862.745	H	34.1	3.0	37.1	46.0	8.9	400.1	274.8	
10	863.036	V	38.0	3.0	41.0	46.0	5.0	99.9	359.1	

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) 1 GHz to 40 GHz

The requirements are:
☒ Complies

Test Data



Test mode : 802.11a_ANT0+ANT1

The requirements are:
☒ Complies

Test Data

Ch.36(5 180 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin PK [dB]	Note
1 440.7	V	56.3	-9.9	-----	46.4	74.0	27.6	Peak

Ch.48(5 220 MHz)

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

Ch.48(5 240 MHz)

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

Ch.52(5 260 MHz)

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

Ch.60(5 300 MHz)

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

Ch.64(5 320 MHz)

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

Ch.100(5 500 MHz)

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

Ch.120(5 600 MHz)

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

Ch.140(5 700 MHz)

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

Ch.144(5 720 MHz)

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

Ch.149(5 745 MHz)

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

Ch.157(5 785 MHz)

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

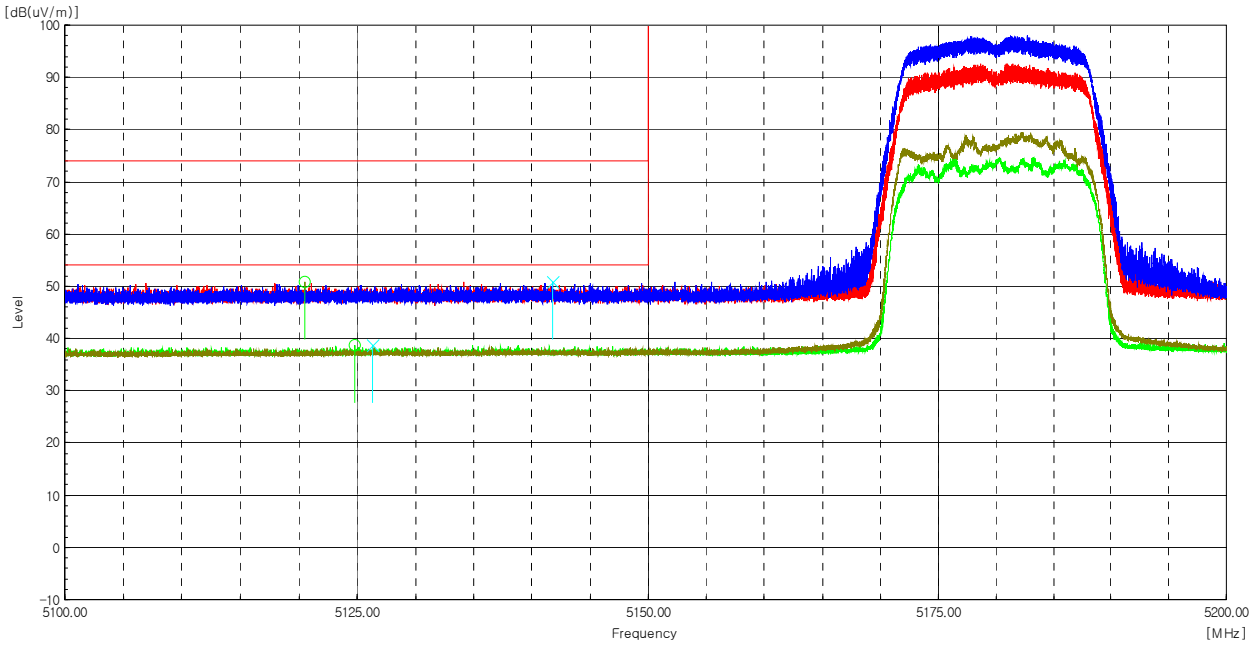
Ch.165(5 825 MHz)

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

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(X 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

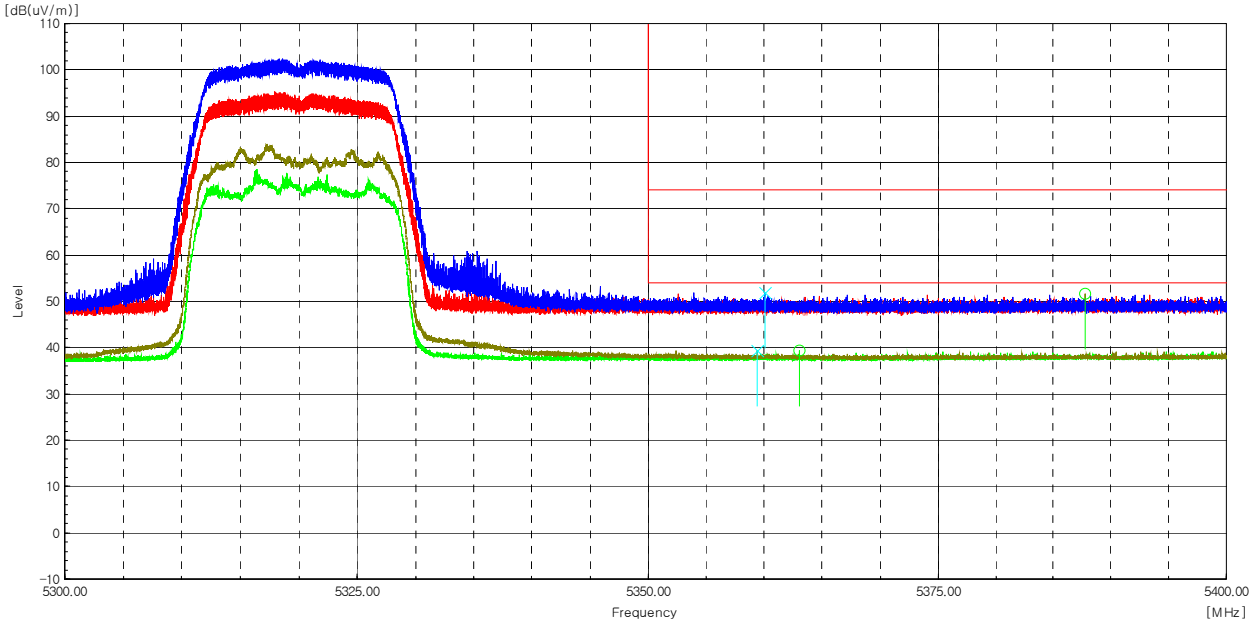
Worst Case Mode :	802.11a_ANT0+ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 180 MHz
Channel :	36



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
5 120.5	H	48.1	2.8	-----	50.9	-----	74.0	-----	23.1	-----	Average
5 124.8	H	35.9	2.8	-----	-----	38.7	-----	54.0	-----	15.3	Peak
5 141.8	V	48.0	2.8	-----	50.8	-----	74.0	-----	23.2	-----	Average
5 126.4	V	35.8	2.8	-----	-----	38.6	-----	54.0	-----	15.4	Peak

Radiated Restricted Band Edge Plot

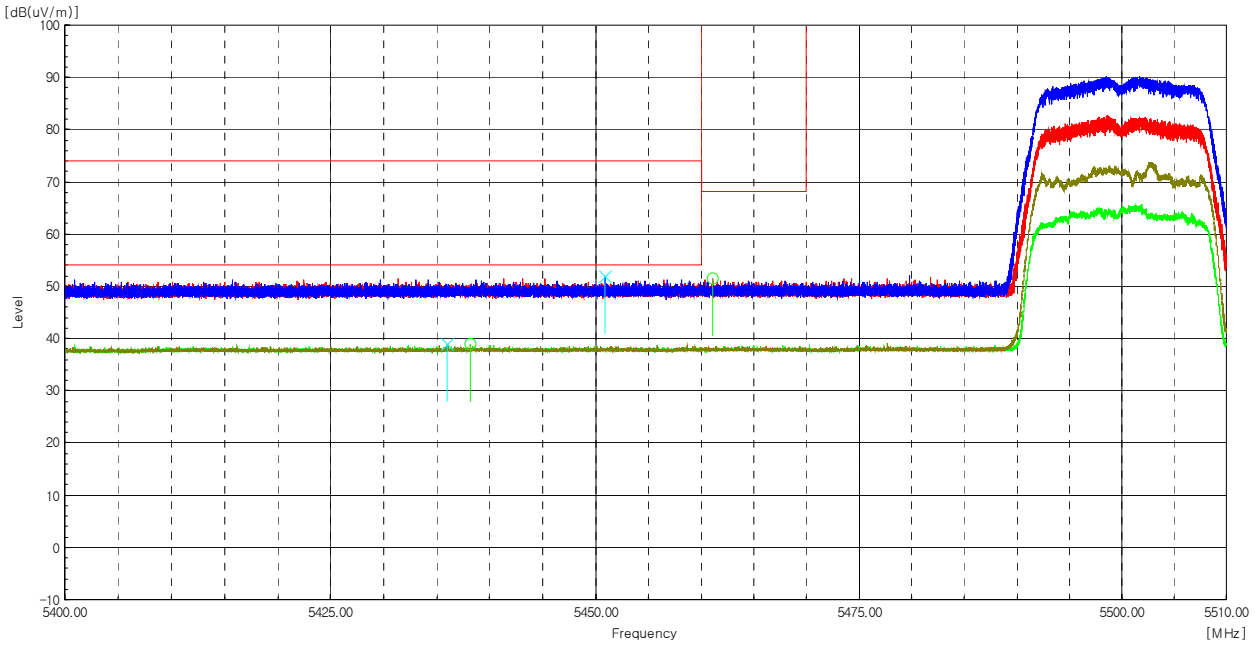
Worst Case Mode :	802.11a_ANT0+ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 320 MHz
Channel :	64



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
5 387.7	H	48.1	3.5	-----	51.6	-----	74.0	-----	22.4	-----	Peak
5 363.0	H	35.9	3.4	-----	-----	39.3	-----	54.0	-----	14.7	Average
5 360.0	V	48.6	3.4	-----	52.0	-----	74.0	-----	22.0	-----	Peak
5 359.4	V	36.1	3.4	-----	-----	39.5	-----	54.0	-----	14.5	Average

Radiated Restricted Band Edge Plot

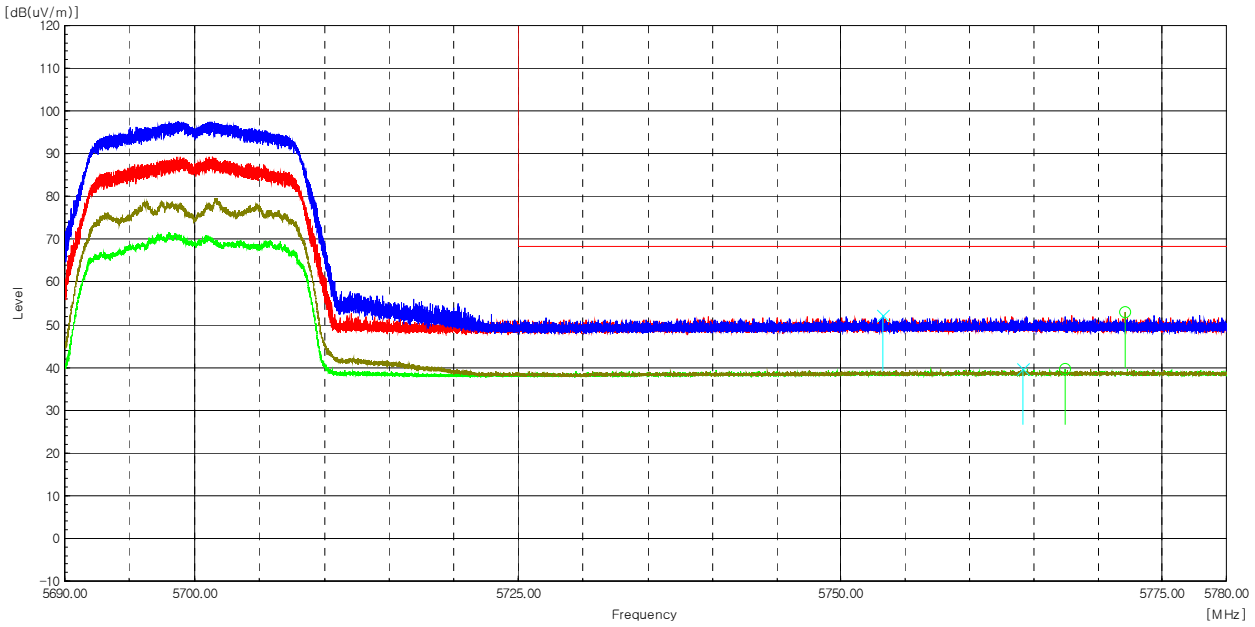
Worst Case Mode :	802.11a_ANT0+ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 500 MHz
Channel :	100



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
5 438.1	H	35.2	3.7	-----	-----	38.9	-----	54.0	-----	15.1	Average
5 450.9	V	48.3	3.7	-----	52.0	-----	74.0	-----	22.0	-----	Peak
5 436.0	V	35.3	3.7	-----	-----	39.0	-----	54.0	-----	15.0	Average

Radiated Restricted Band Edge Plot

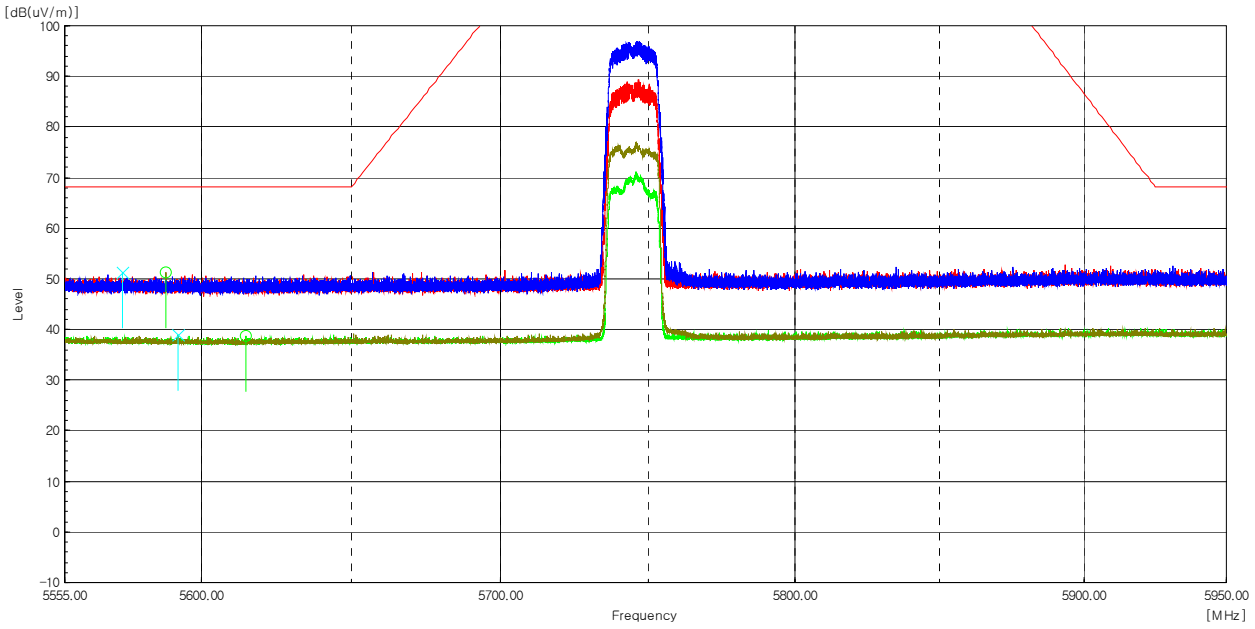
Worst Case Mode :	802.11a_ANT0+ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 700 MHz
Channel :	140



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
5 772.1	H	48.2	4.7	-----	52.9	-----	68.2	-----	15.3	-----	Average
5 767.5	H	35.0	4.7	-----	-----	39.7	-----	68.2	-----	28.5	Peak
5 753.3	V	47.5	4.7	-----	52.2	-----	68.2	-----	16.0	-----	Average
5 764.2	V	34.9	4.7	-----	-----	39.6	-----	68.2	-----	28.6	Peak

Radiated Restricted Band Edge Plot

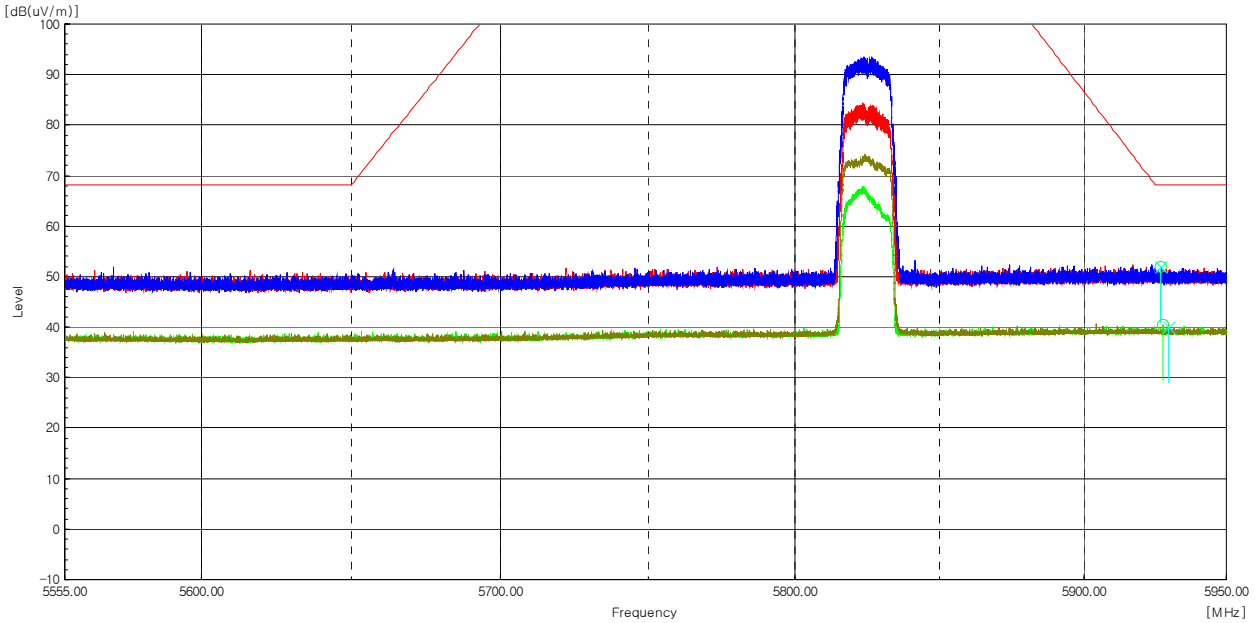
Worst Case Mode :	802.11a_ANT0+ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 745 MHz
Channel :	149



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_ANT0+ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 825 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

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

Test mode : 802.11n_HT20_ANT0+ANT1

The requirements are:
☒ Complies

Test Data

Ch.36(5 180 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin PK [dB]	Note
1 440.0	V	55.2	-9.9	-----	45.3	74.0	28.7	Peak

Ch.48(5 220 MHz)

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

Ch.48(5 240 MHz)

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

Ch.52(5 260 MHz)

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

Ch.60(5 300 MHz)

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

Ch.64(5 320 MHz)

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

Ch.100(5 500 MHz)

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

Ch.120(5 600 MHz)

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

Ch.140(5 700 MHz)

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

Ch.144(5 720 MHz)

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

Ch.149(5 745 MHz)

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

Ch.157(5 785 MHz)

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

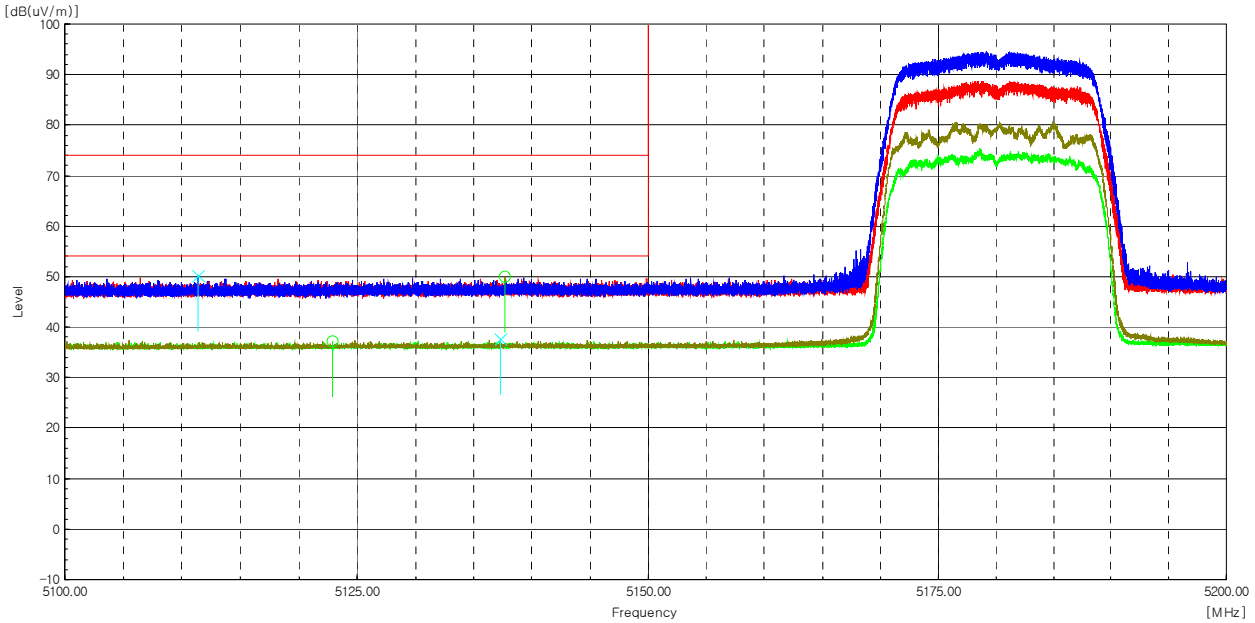
Ch.165(5 825 MHz)

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

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(X 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

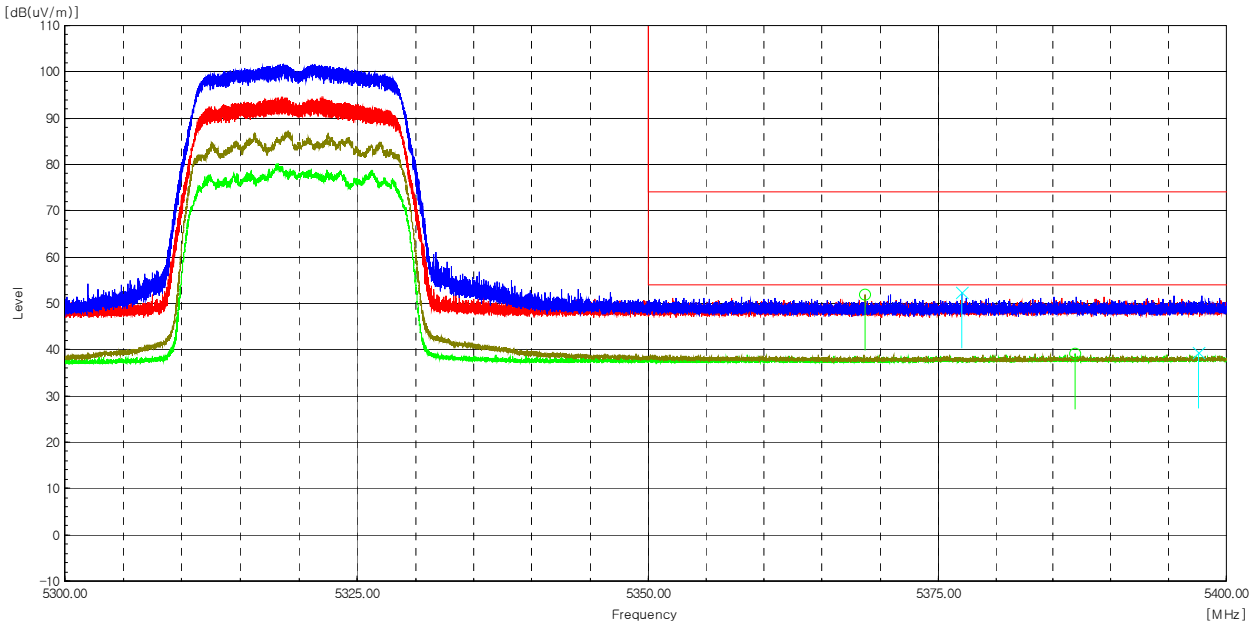
Worst Case Mode :	802.11n_HT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 180 MHz
Channel :	36



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
5 137.3	V	34.8	2.8	-----	-----	37.6	-----	54.0	-----	16.4	Average
5 111.4	V	47.3	2.8	-----	50.1	-----	74.0	-----	23.9	-----	Peak
5 122.9	H	34.5	2.8	-----	-----	37.3	-----	54.0	-----	16.7	Average
5 137.7	H	47.2	2.8	-----	50.0	-----	74.0	-----	24.0	-----	Peak

Radiated Restricted Band Edge Plot

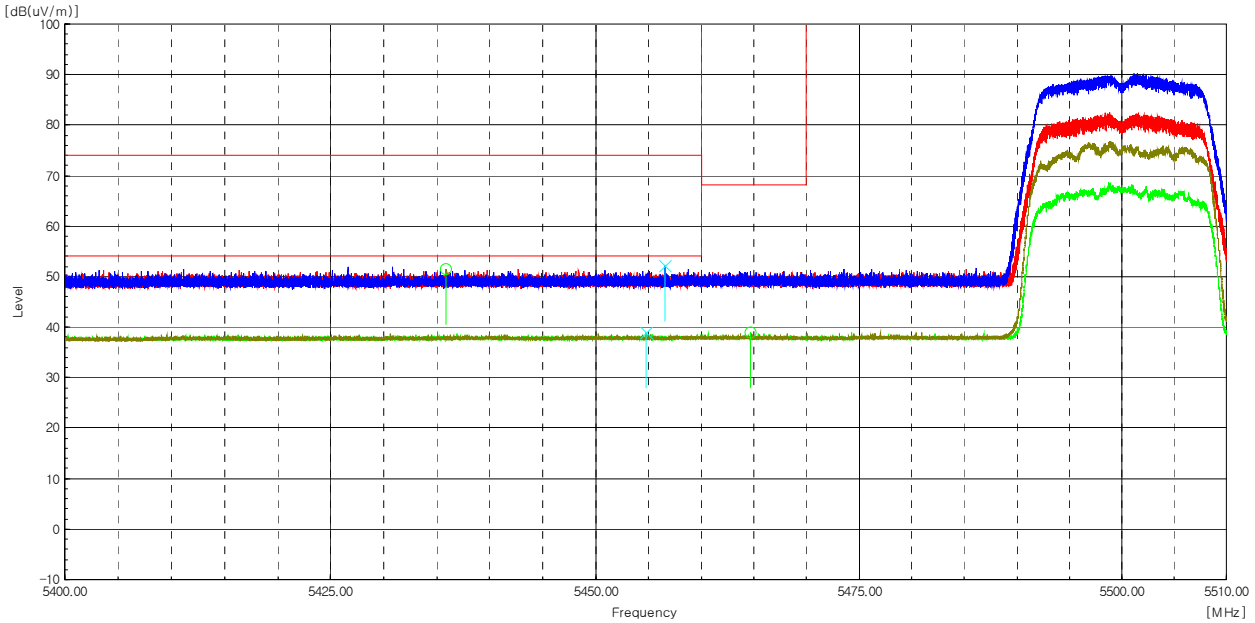
Worst Case Mode :	802.11n_HT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 320 MHz
Channel :	64



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
5 368.7	H	48.5	3.4	-----	51.9	-----	74.0	-----	22.1	-----	Peak
5 386.9	H	35.6	3.5	-----	-----	39.1	-----	54.0	-----	14.9	Average
5 377.1	V	48.8	3.5	-----	52.3	-----	74.0	-----	21.7	-----	Peak
5 397.6	V	35.8	3.5	-----	-----	39.3	-----	54.0	-----	14.7	Average

Radiated Restricted Band Edge Plot

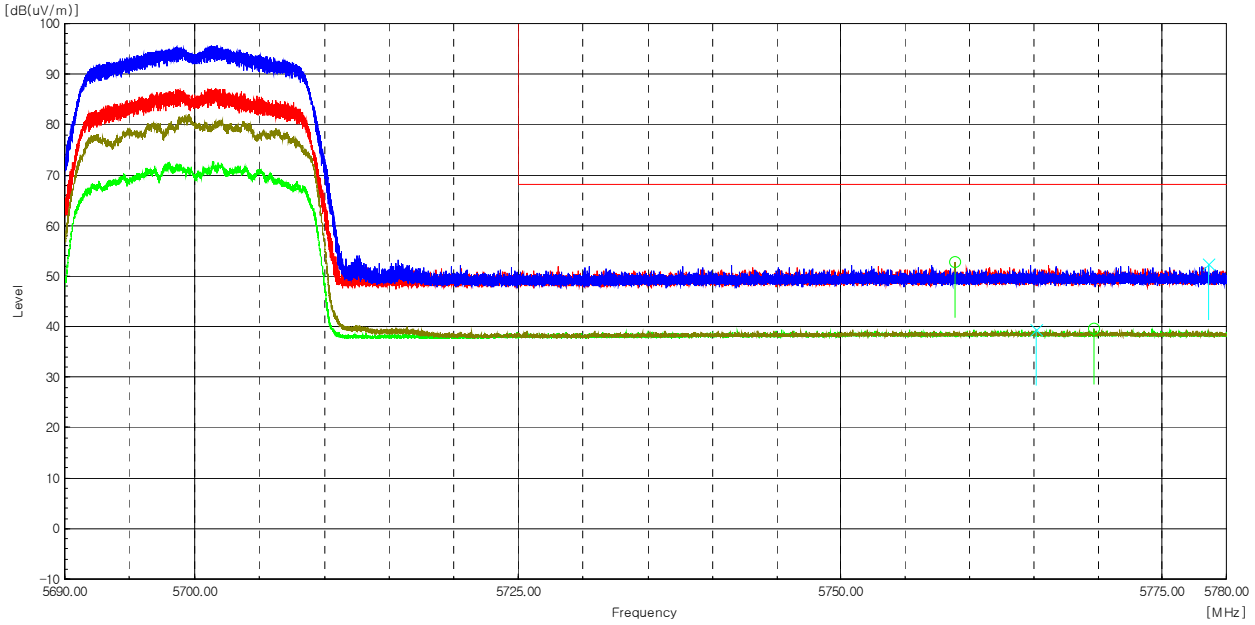
Worst Case Mode :	802.11n_HT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 500 MHz
Channel :	100



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
5 435.9	H	47.9	3.7	-----	51.6	-----	74.0	-----	22.4	-----	Peak
5 456.6	V	48.3	3.7	-----	52.0	-----	74.0	-----	22.0	-----	Peak
5 454.7	V	35.2	3.7	-----	-----	38.9	-----	54.0	-----	15.1	Average

Radiated Restricted Band Edge Plot

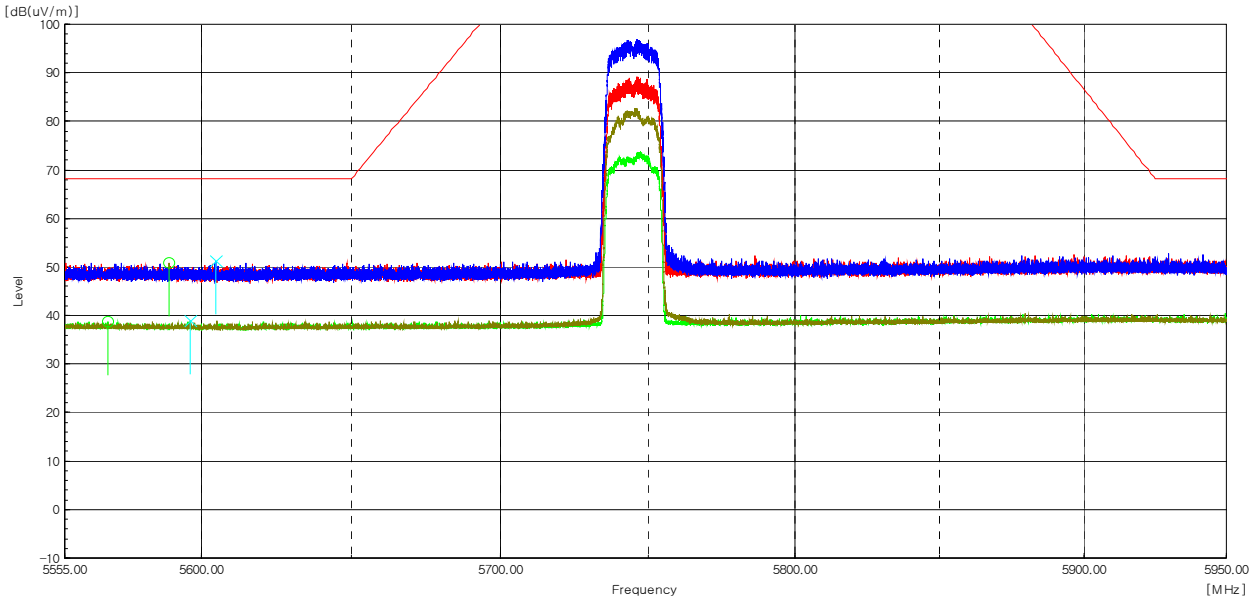
Worst Case Mode :	802.11n_HT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 700 MHz
Channel :	140



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
5 758.9	H	48.1	4.7	-----	52.8	-----	68.2	-----	15.4	-----	Peak
5 769.6	H	34.9	4.7	-----	-----	39.6	-----	68.2	-----	28.6	Average
5 778.6	V	47.7	4.6	-----	52.3	-----	68.2	-----	15.9	-----	Peak
5 765.2	V	34.8	4.7	-----	-----	39.5	-----	68.2	-----	28.7	Average

Radiated Restricted Band Edge Plot

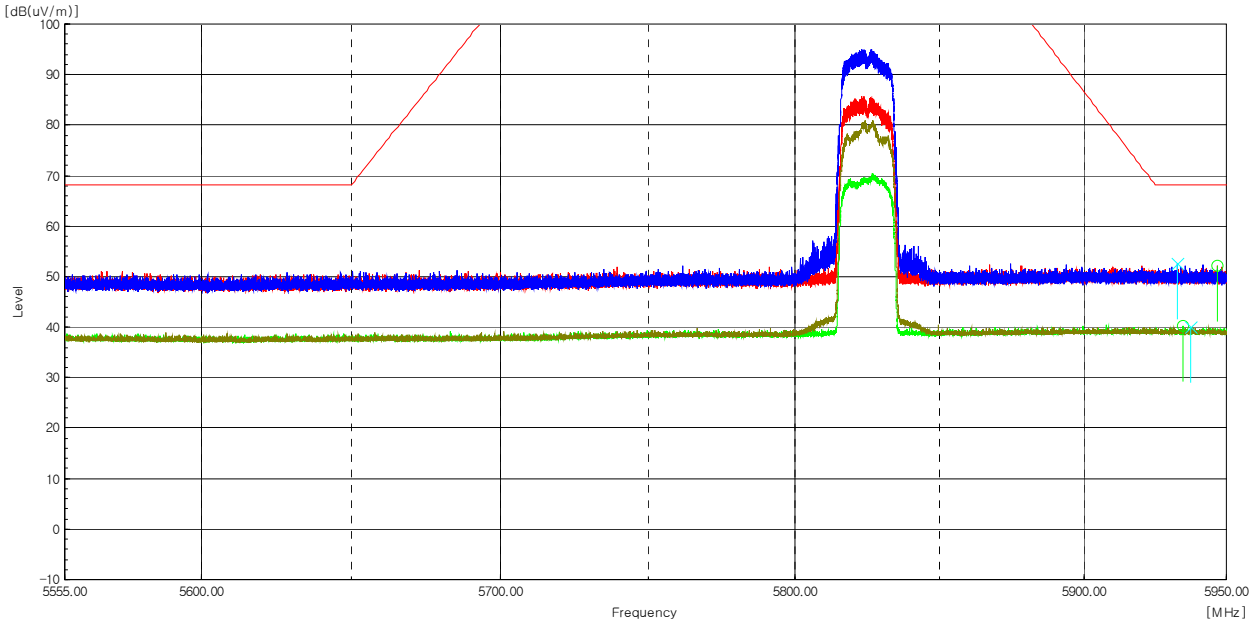
Worst Case Mode :	802.11n_HT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 745 MHz
Channel :	149



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 :	802.11n_HT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 825 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

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

Test mode : 802.11n_HT40_ANT0+ANT1

The requirements are:
☒ Complies

Test Data

Ch.38(5 190 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin PK [dB]	Note
1 439.3	V	56.0	-9.9	-----	46.1	74.0	27.9	Peak

Ch.46(5 230 MHz)

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

Ch.54(5 270 MHz)

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

Ch.62(5 310 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
The emissions above 1 GHz were 20 dB lower than the limit.											

Ch.102(5 510 MHz)

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

Ch.118(5 590 MHz)

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

Ch.134(5 670 MHz)

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

Ch.142(5 710 MHz)

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

Ch.151(5 755 MHz)

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

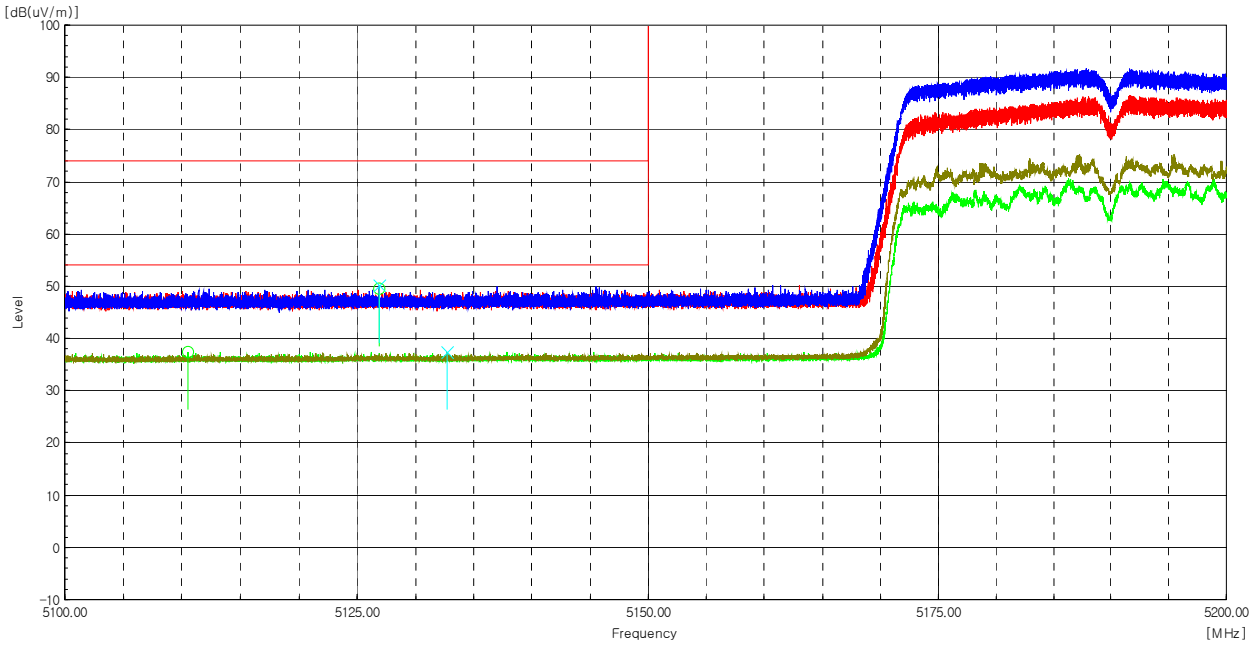
Ch.159(5 795 MHz)

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

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

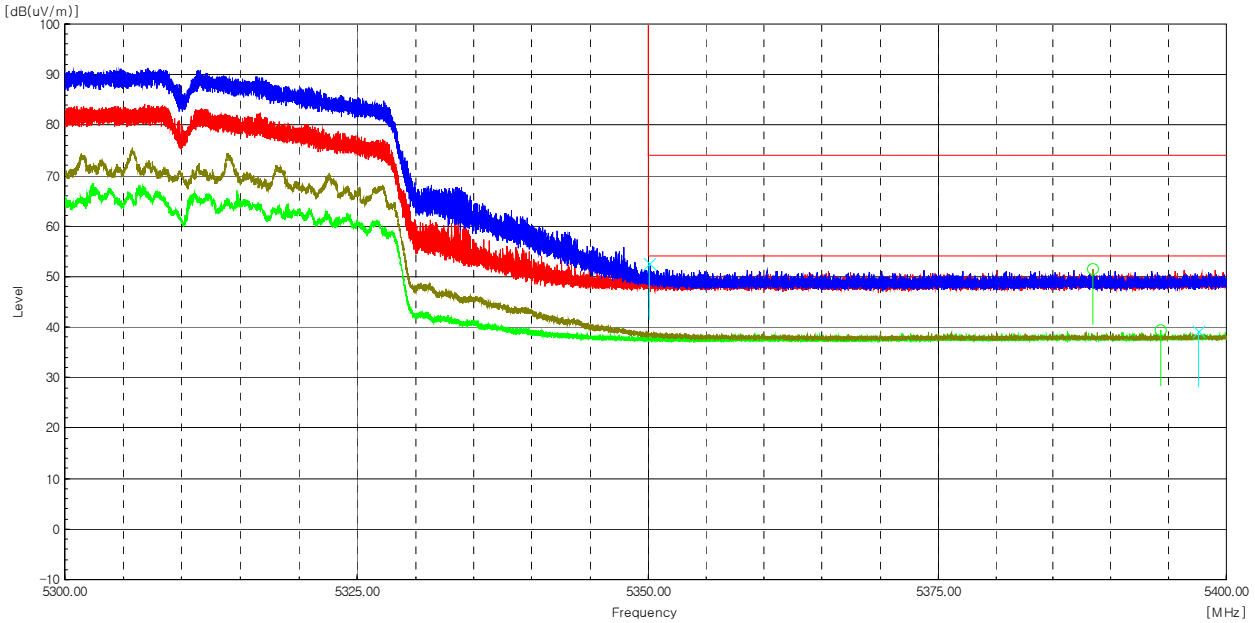
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 190 MHz
Channel :	38



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
5 126.9	H	46.7	2.8	-----	49.5	-----	74.0	-----	24.5	-----	Peak
5 110.6	H	34.7	2.8	-----	-----	37.5	-----	54.0	-----	16.5	Average
5 126.9	V	47.4	2.8		50.2	-----	74.0	-----	23.8	-----	Peak
5 132.7	V	34.6	2.8		-----	37.4	-----	54.0	-----	16.6	Average

Radiated Restricted Band Edge Plot

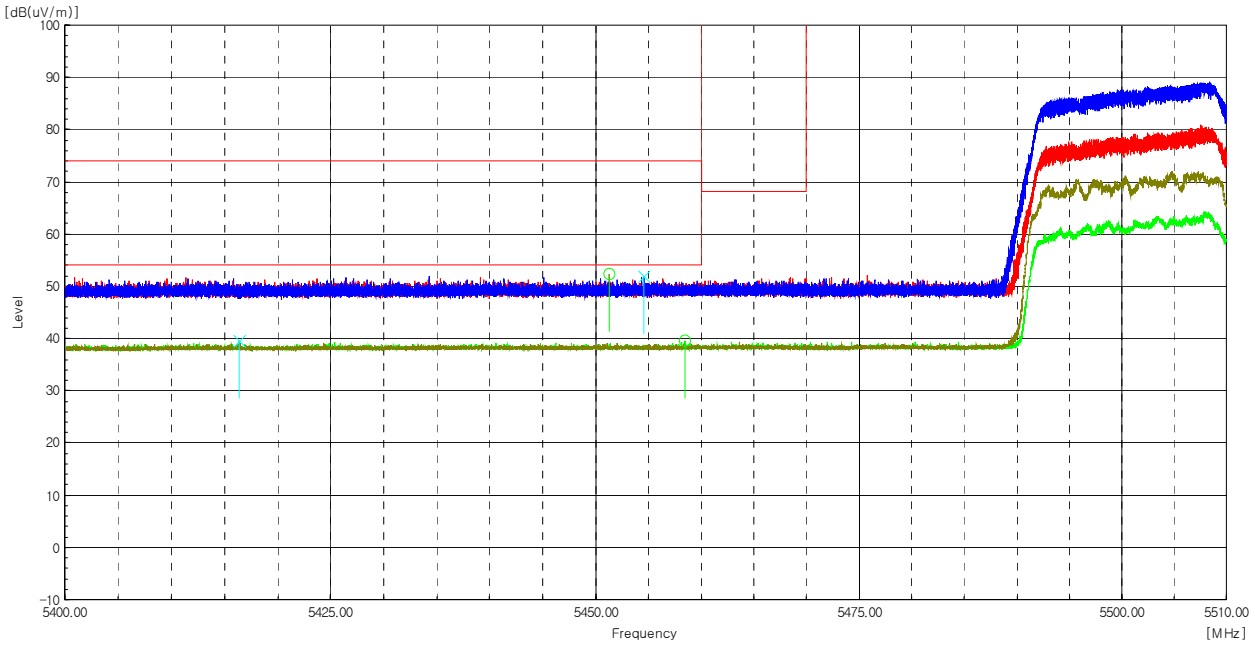
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 310 MHz
Channel :	62



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
5 388.5	H	48.0	3.5	0.7	52.2	-----	74.0	-----	21.8	-----	Peak
5 394.3	H	35.9	3.5	-----	-----	39.4	-----	54.0	-----	14.6	Average
5 350.1	V	49.2	3.4	-----	52.6	-----	74.0	-----	21.4	-----	Peak
5 397.6	V	35.6	3.5	-----	-----	39.1	-----	54.0	-----	14.9	Average

Radiated Restricted Band Edge Plot

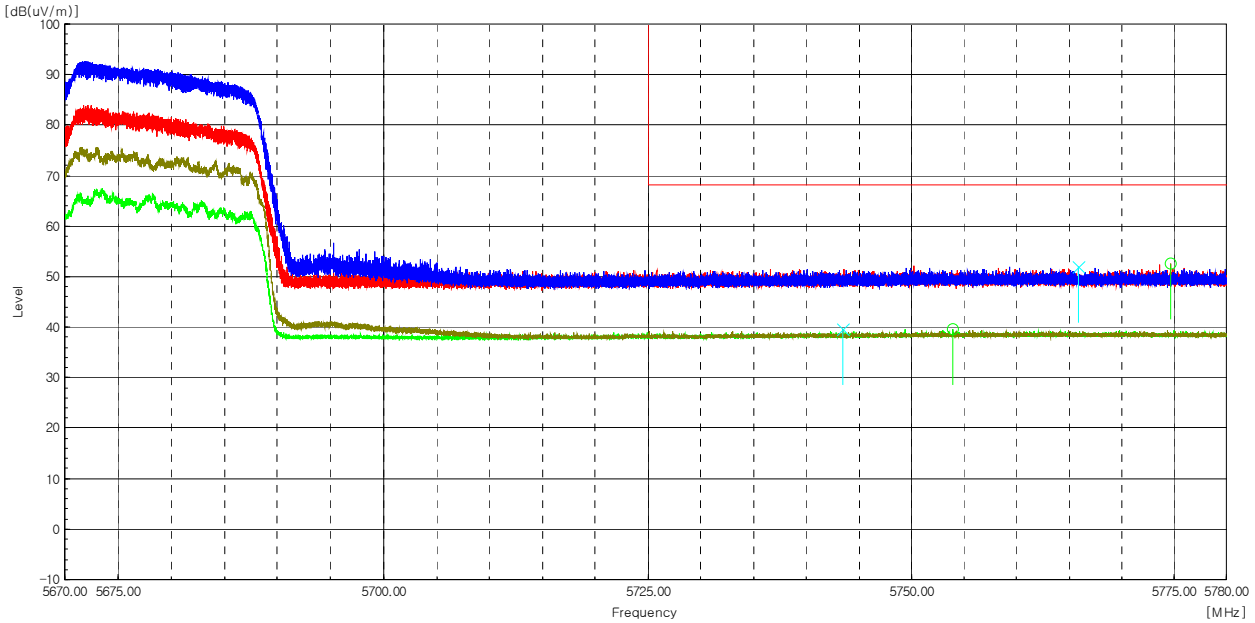
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 510 MHz
Channel :	102



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
5 451.3	H	48.6	3.7	-----	52.3	-----	74.0	-----	21.7	-----	Peak
5 458.4	H	35.8	3.8	-----	-----	39.6	-----	54.0	-----	14.4	Average
5 454.6	V	48.2	3.7		51.9	-----	74.0	-----	22.1	-----	Peak
5 416.4	V	36.0	3.6		-----	39.6	-----	54.0	-----	14.4	Average

Radiated Restricted Band Edge Plot

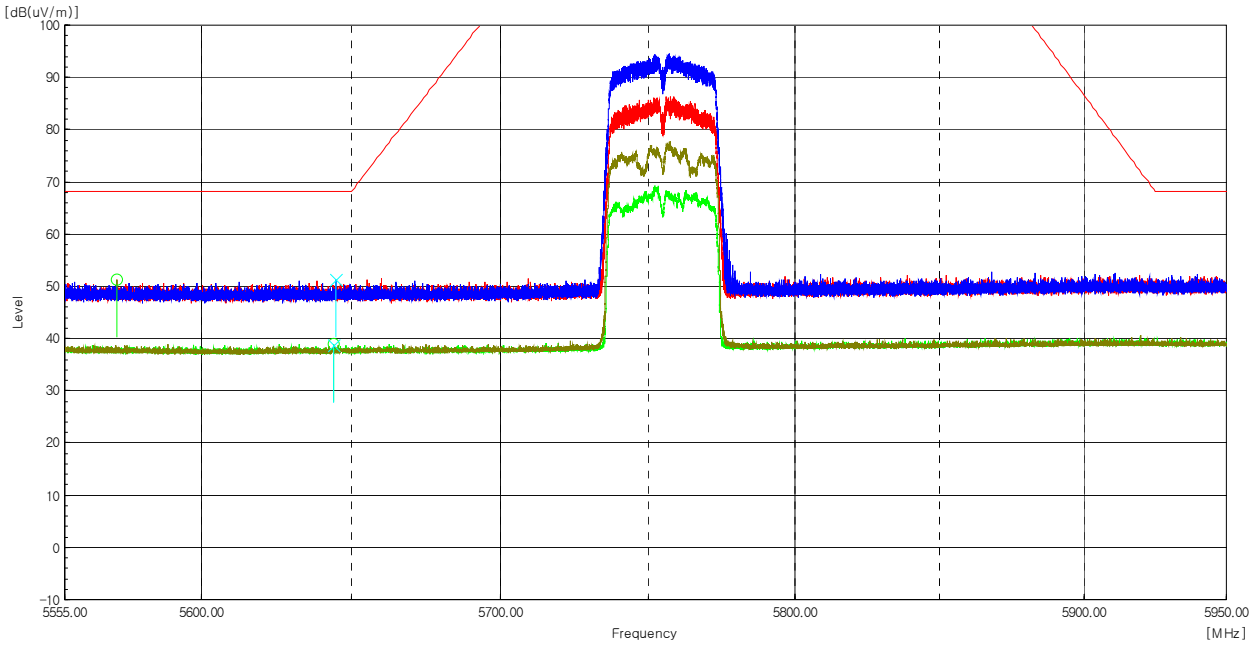
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 670 MHz
Channel :	134



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
5 774.7	H	47.9	4.6	-----	52.5	-----	68.2	-----	28.5		Peak
5 753.9	H	35.0	4.7	-----	-----	39.7	-----	68.2		15.7	Average
5 765.9	V	47.2	4.7		51.9	-----	68.2	-----	28.7		Peak
5 743.5	V	34.9	4.6		-----	39.5	-----	68.2	-	16.3	Average

Radiated Restricted Band Edge Plot

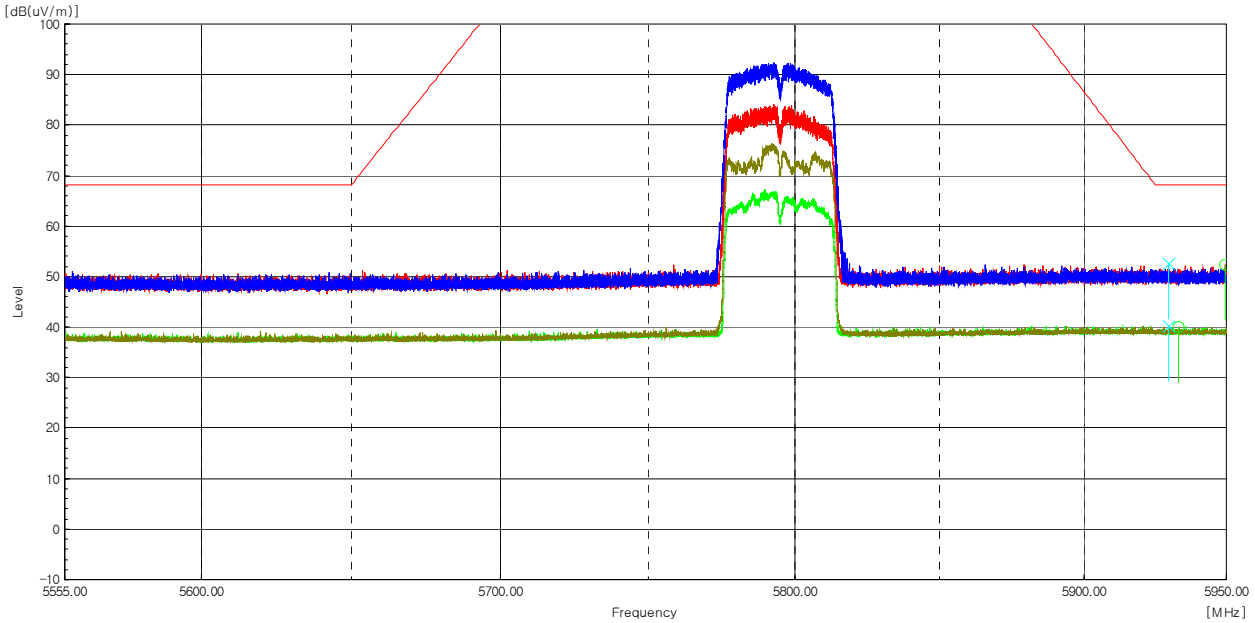
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 755 MHz
Channel :	151



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 795 MHz
Channel :	159



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

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

Test mode : 802.11ac_VHT20_ANT0+ANT1

The requirements are:
☒ Complies

Test Data

Ch.36(5 180 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin PK [dB]	Note
1 440.0	V	55.5	-9.9	-----	45.6	74.0	28.4	Peak

Ch.48(5 220 MHz)

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

Ch.48(5 240 MHz)

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

Ch.52(5 260 MHz)

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

Ch.60(5 300 MHz)

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

Ch.64(5 320 MHz)

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

Ch.100(5 500 MHz)

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

Ch.120(5 600 MHz)

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

Ch.140(5 700 MHz)

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

Ch.144(5 720 MHz)

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

Ch.149(5 745 MHz)

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

Ch.157(5 785 MHz)

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

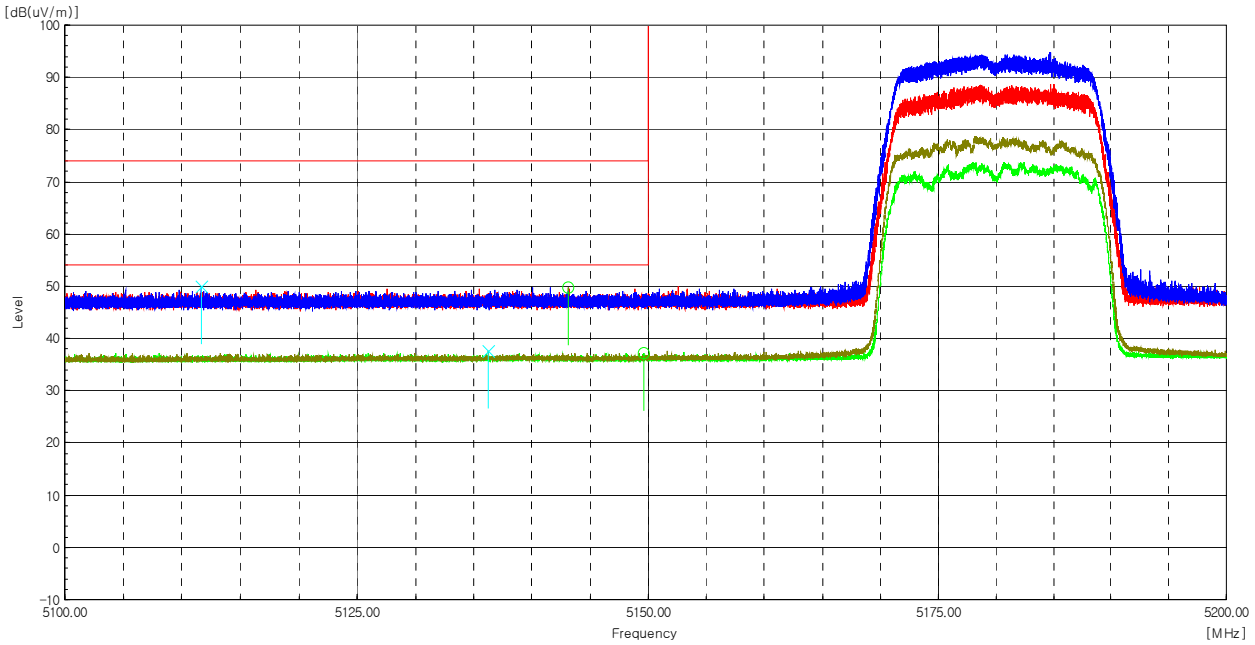
Ch.165(5 825 MHz)

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

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(X 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

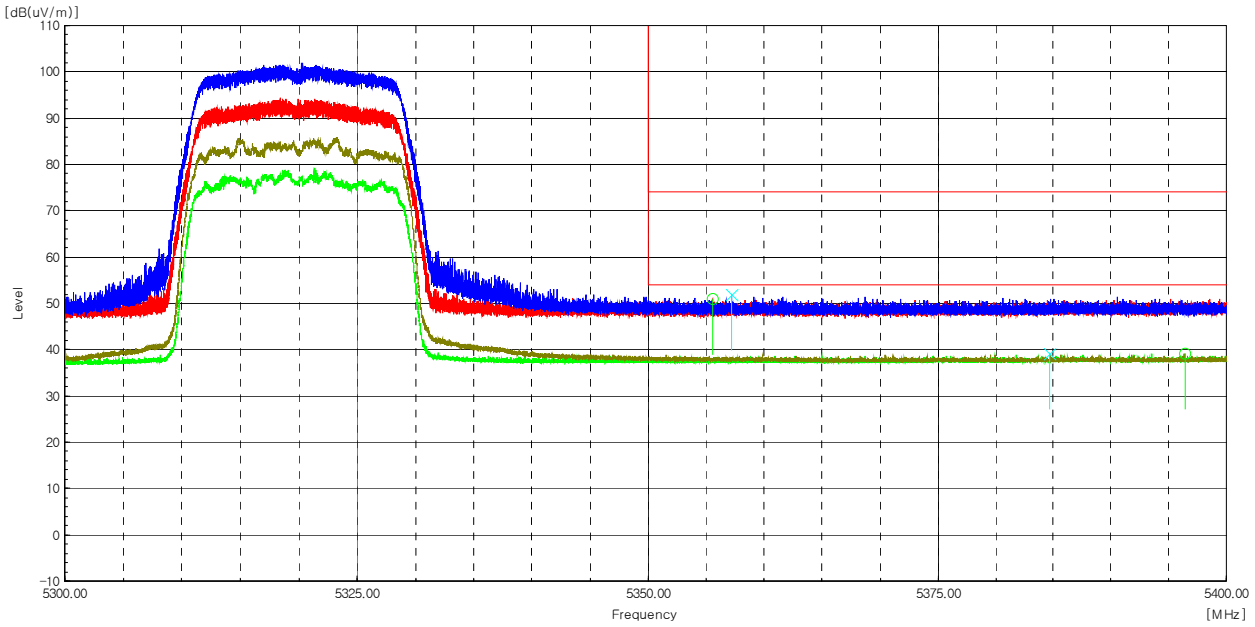
Worst Case Mode :	802.11ac_VHT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 180 MHz
Channel :	36



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
5 143.1	H	47.0	2.8	0.31	49.8	-----	74.0	-----	24.2	-----	Peak
5 149.6	H	34.5	2.8	-----	-----	37.3	-----	54.0	-----	16.7	Average
5 111.6	V	47.1	2.8	0.31	49.9	-----	74.0	-----	24.1	-----	Peak
5 136.3	V	34.8	2.8	-----	-----	37.6	-----	54.0	-----	16.4	Average

Radiated Restricted Band Edge Plot

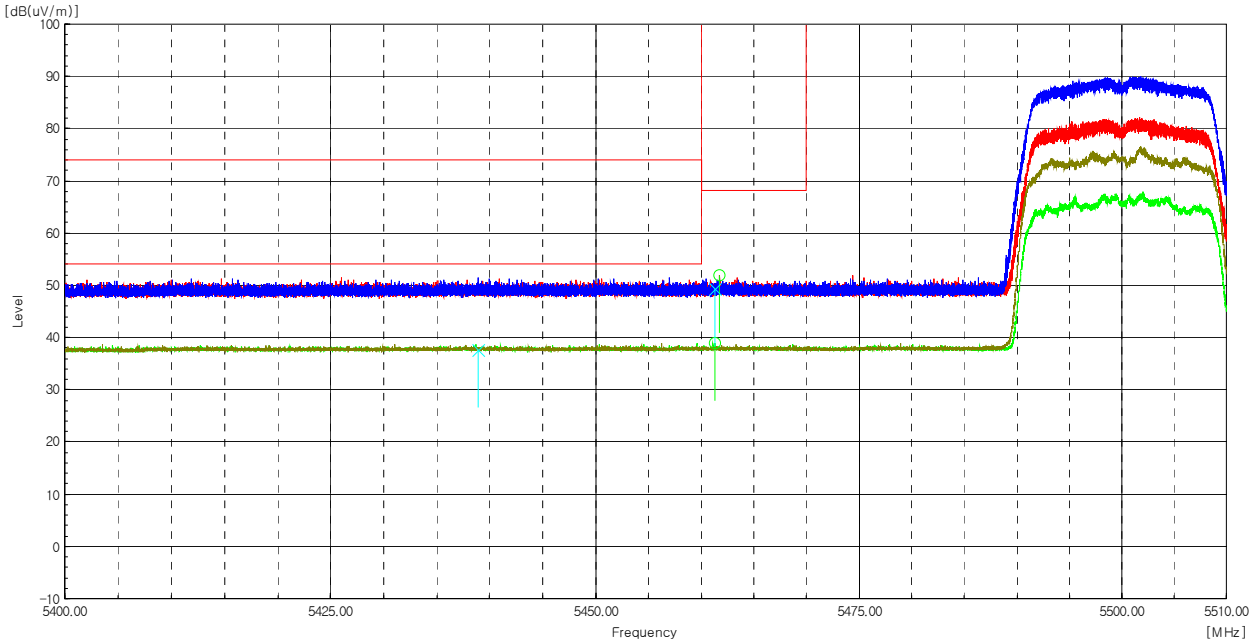
Worst Case Mode :	802.11ac_VHT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 320 MHz
Channel :	64



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
5 355.5	H	47.5	3.4	-----	50.9	-----	74.0	-----	23.1	-----	Peak
5 396.5	H	35.7	3.5	-----	-----	39.2	-----	54.0	-----	14.8	Average
5 357.2	V	48.5	3.4	-----	51.9	-----	74.0	-----	22.1	-----	Peak
5 384.7	V	35.6	3.5	-----	-----	39.1	-----	54.0	-----	14.9	Average

Radiated Restricted Band Edge Plot

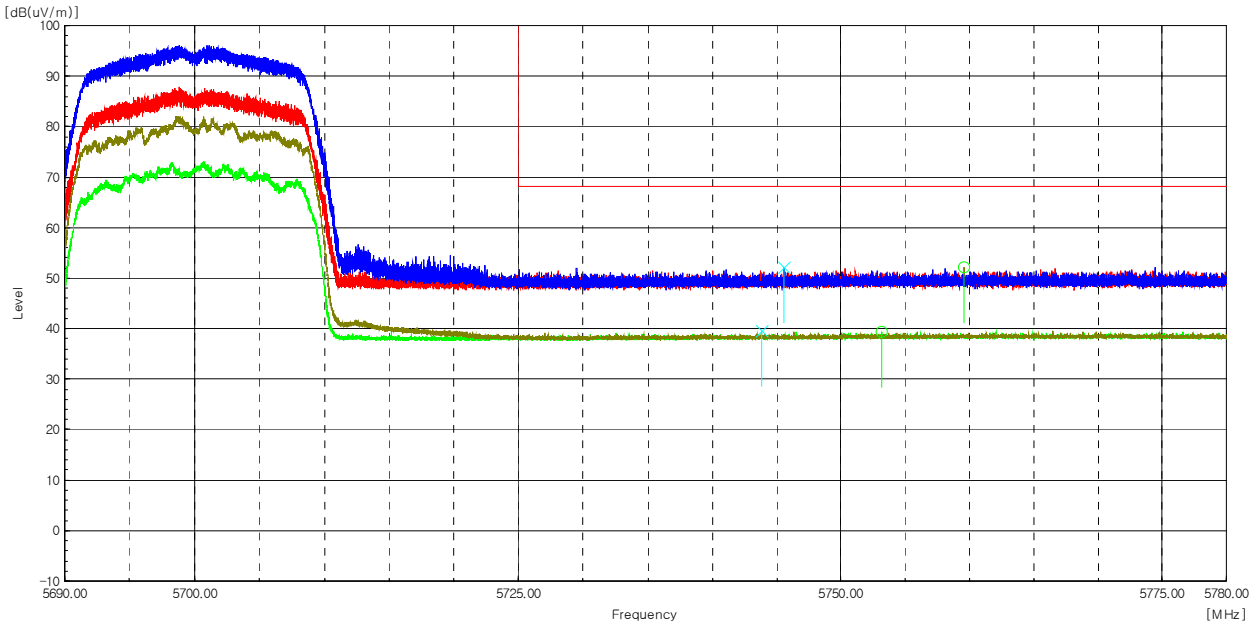
Worst Case Mode :	802.11ac_VHT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 500 MHz
Channel :	100



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
5 461.8	H	48.1	3.8	0.31	51.9	-----	68.2	-----	16.3	-----	Peak
5 461.3	V	45.6	3.8	0.31	49.4	-----	68.2	-----	18.8	-----	Average
5 439.0	V	34.0	3.7	-----	-----	37.7	-----	54.0	-----	16.3	Average

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ac_VHT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 700 MHz
Channel :	140



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
5 759.6	H	47.4	4.7	-----	52.1	-----	68.2	-----	-----	16.1	Peak
5 753.1	H	34.6	4.7	-----	-----	39.3	-----	68.2	28.9	-----	Average
5 745.5	V	47.5	4.6	0.31	52.1	-----	68.2	-----	-----	16.1	Peak
5 743.8	V	34.9	4.6	0.31	-----	39.5	-----	68.2	28.7	-----	Average

Radiated Restricted Band Edge Plot

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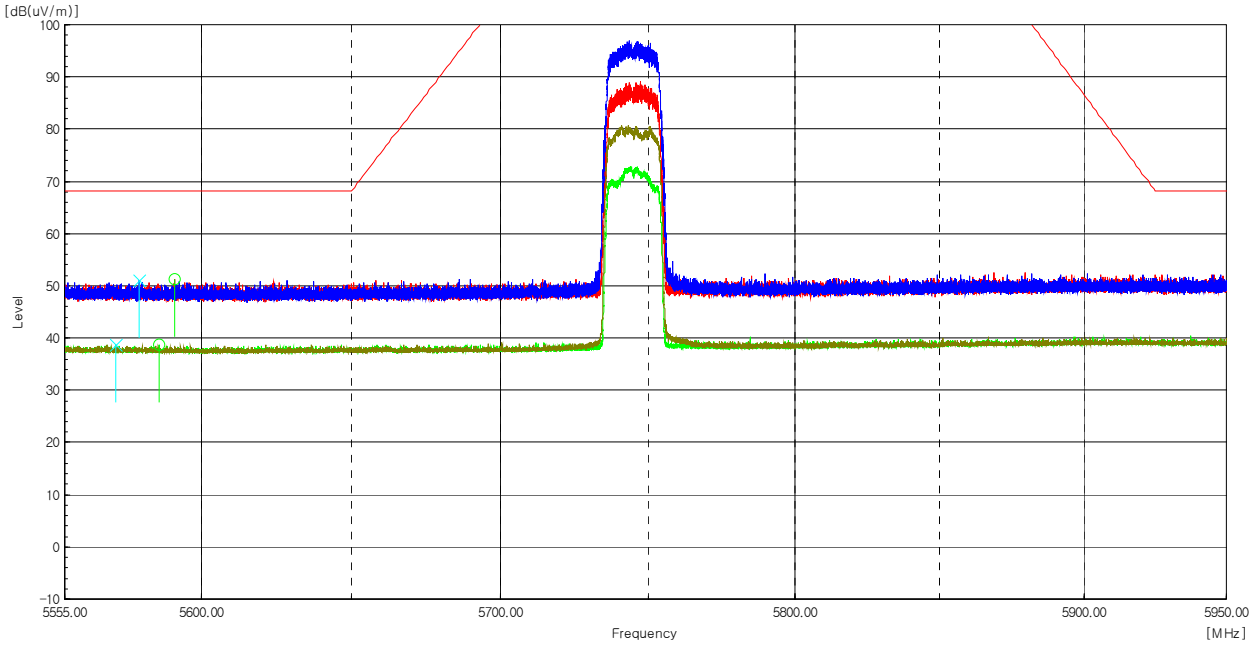
Fax: +82-31-624-9501

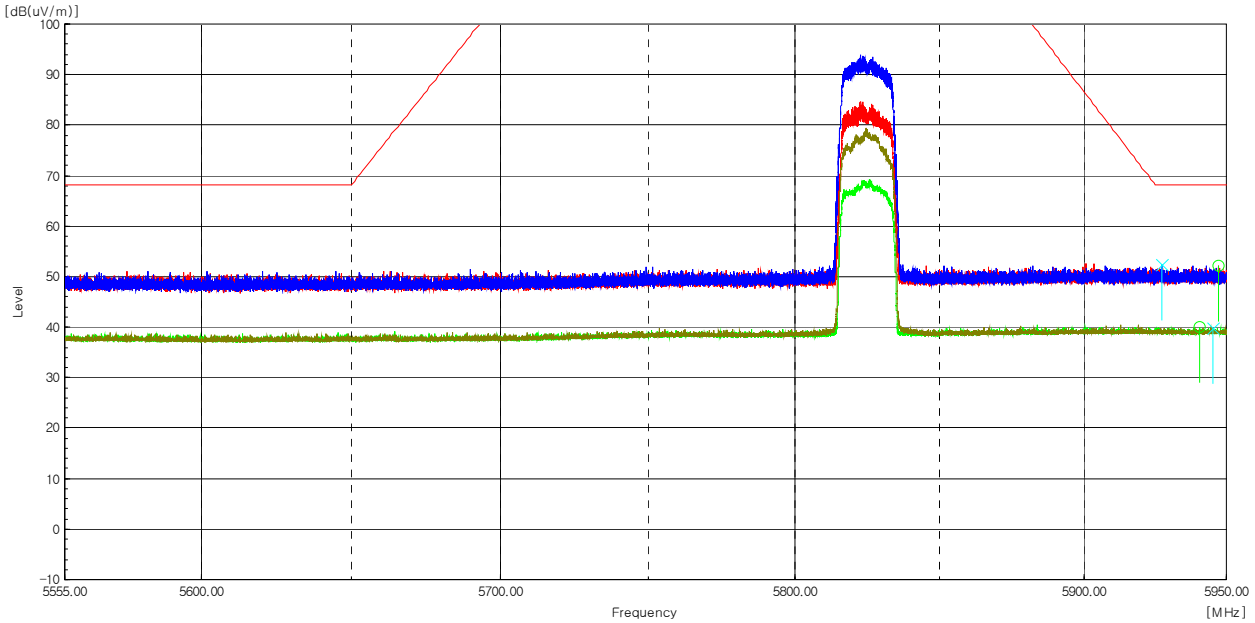
Worst Case Mode :	802.11ac_VHT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 745 MHz
Channel :	149



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ac_VHT20_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 825 MHz
Channel :	165



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

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

Test mode : 802.11ac_VHT40_ANT0+ANT1

The requirements are:
☒ Complies

Test Data

Ch.38(5 190 MHz)

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin PK [dB]	Note
1 440.7	V	53.2	-9.9	-----	43.3	74.0	30.7	Peak

Ch.46(5 230 MHz)

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

Ch.54(5 270 MHz)

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

Ch.62(5 310 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
The emissions above 1 GHz were 20 dB lower than the limit.											

Ch.102(5 510 MHz)

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

Ch.118(5 590 MHz)

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

Ch.134(5 670 MHz)

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

Ch.142(5 710 MHz)

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

Ch.151(5 755 MHz)

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

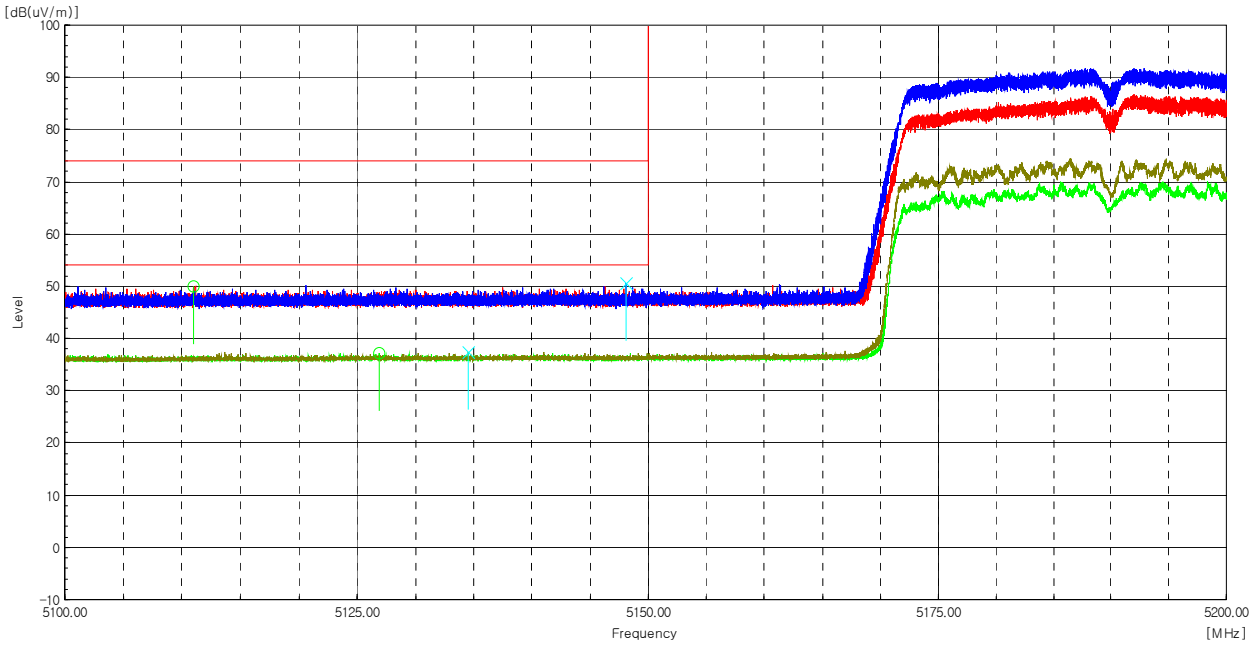
Ch.159(5 795 MHz)

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

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

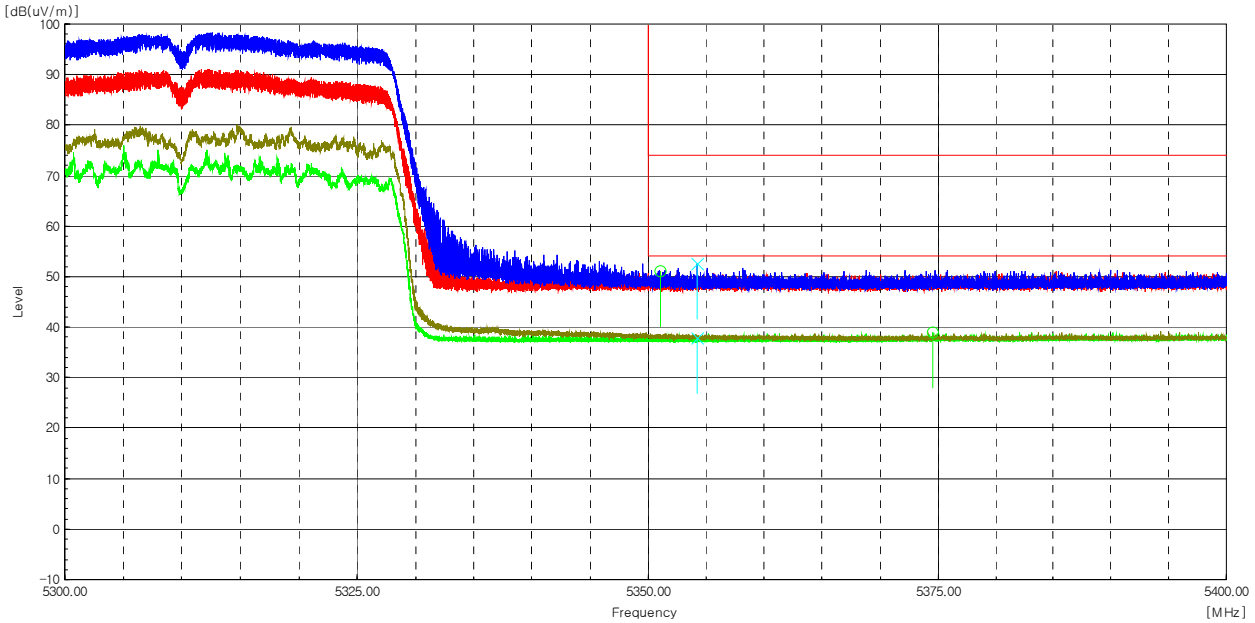
Worst Case Mode :	802.11ac_VHT40_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 190 MHz
Channel :	38



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
5 111.0	H	47.2	-----	2.8	-----	50.0	-----	74.0	-----	24.0	-----
5 126.9	H	-----	34.5	2.8	-----	-----	37.3	-----	54.0	-----	16.7
5 148.1	V	47.9	-----	2.8	-----	50.7	-----	74.0	-----	23.3	-----
5 134.5	V	-----	34.6	2.8	-----	-----	37.4	-----	54.0	-----	16.6

Radiated Restricted Band Edge Plot

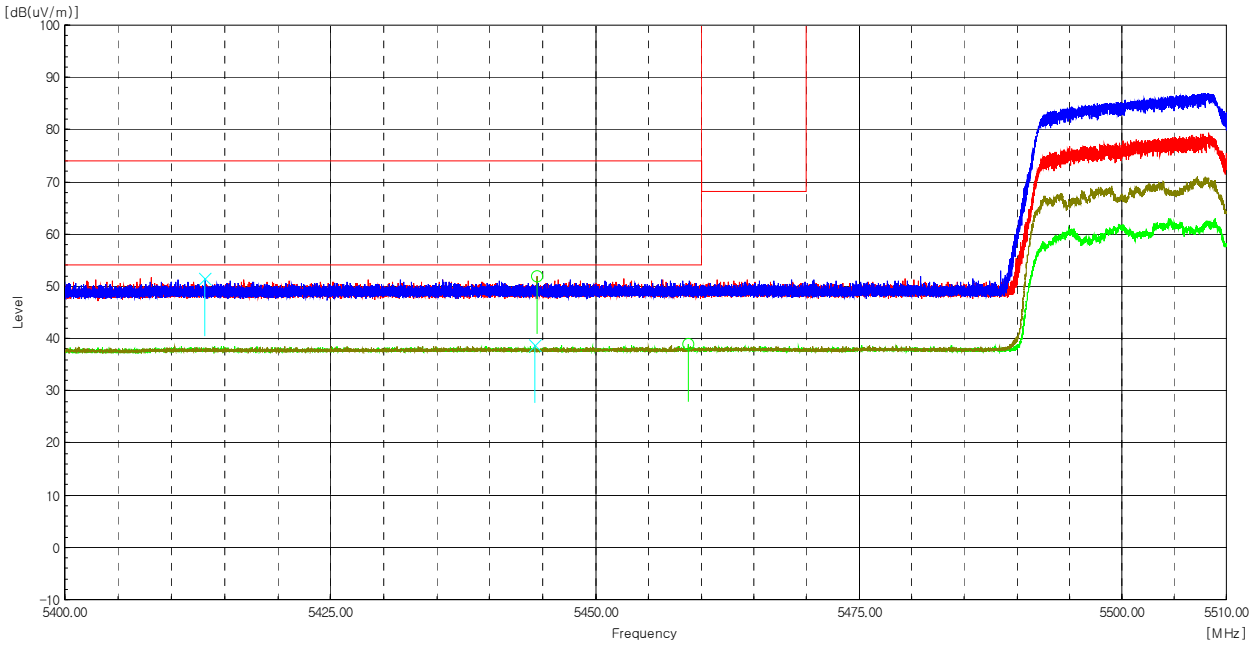
Worst Case Mode :	802.11ac_VHT40_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 310 MHz
Channel :	62



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
5 351.0	H	47.7	-----	3.4	-----	51.1	-----	74.0	-----	22.9	-----
5 374.6	H	-----	35.5	3.5	-----	-----	39.0	-----	54.0	-----	15.0
5 354.2	V	49.2	-----	3.4	-----	52.6	-----	74.0	-----	21.4	-----
5 354.2	V	-----	34.4	3.4	-----	-----	37.8	-----	54.0	-----	16.2

Radiated Restricted Band Edge Plot

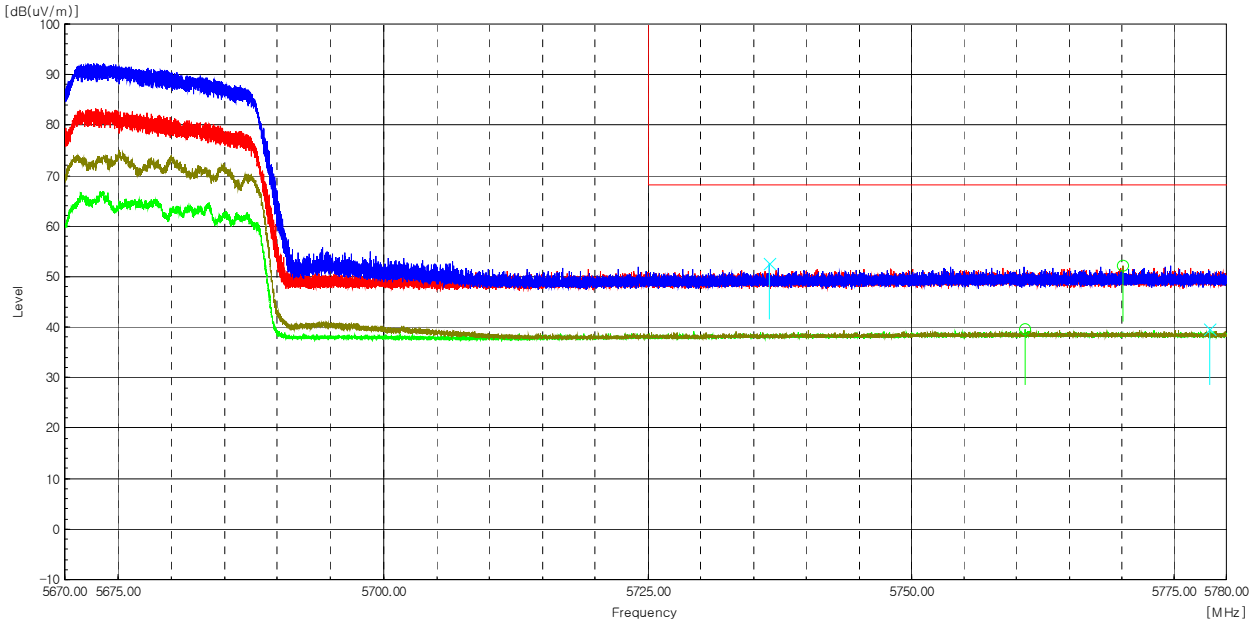
Worst Case Mode :	802.11ac_VHT40_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 510 MHz
Channel :	102



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
5 444.5	H	48.2	-----	3.7	-----	51.9	-----	74.0	-----	22.1	-----
5 458.8	H	-----	35.1	3.8	-----	-----	38.9	-----	54.0	-----	15.1
5 413.2	V	47.8	-----	3.6	-----	51.4	-----	74.0	-----	22.6	-----
5 444.2	V	-----	35.0	3.7	-----	-----	38.7	-----	54.0	-----	15.3

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ac_VHT40_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 670 MHz
Channel :	134



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
5 760.8	H	-----	34.8	4.7	-----	-----	39.5	-----	68.2	-----	28.7
5 736.5	V	48.0	-----	4.5	-----	52.5	-----	68.2	-----	15.7	-----
5 770.1	H	47.4	-----	4.7	-----	52.1	-----	68.2	-----	16.1	-----
5 778.4	V	-----	34.9	4.6	-----	-----	39.5	-----	68.2	-----	28.7

Radiated Restricted Band Edge Plot

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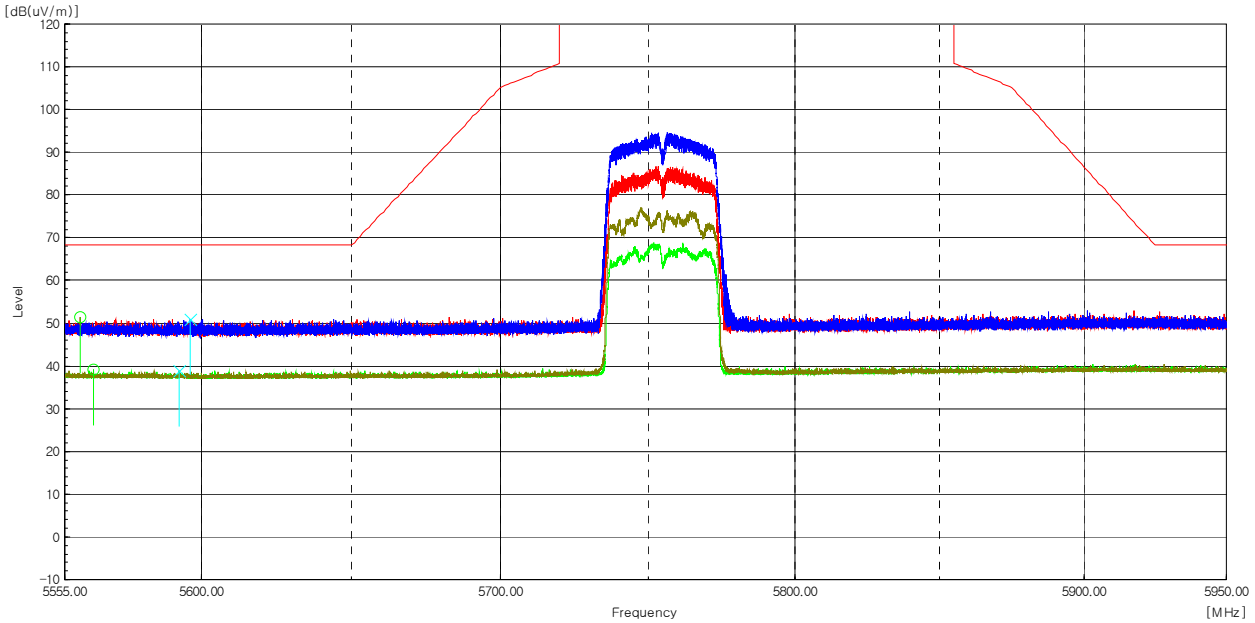
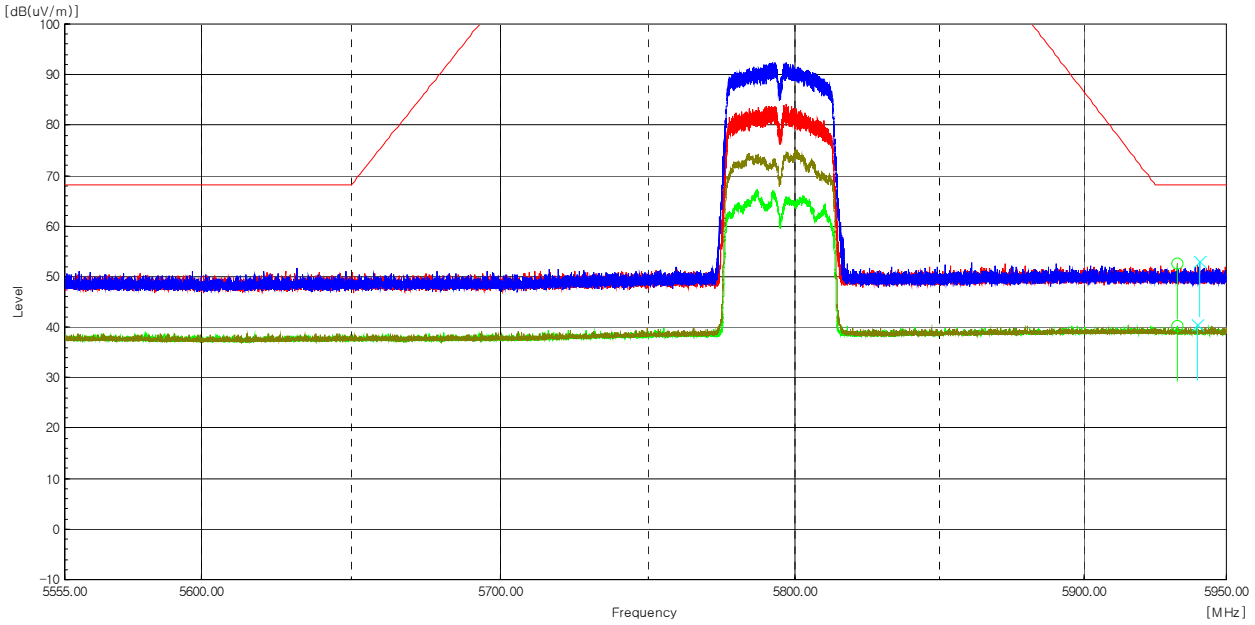
Worst Case Mode :	802.11ac_VHT40_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 755 MHz
Channel :	151



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ac_VHT40_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 795 MHz
Channel :	159



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
The emissions above 1 GHz were 20 dB lower than the limit.											

Radiated Restricted Band Edge Plot

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

Test mode : 802.11ac_VHT80_ANT0+ANT1

The requirements are:
☒ Complies

Test Data

Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Limit PK [dB(uV/m)]	Margin PK [dB]	Note
1 440.7	V	53.8	-9.9	-----	43.9	74.0	30.1	Peak

Ch.42(5 210 MHz)

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

Ch.58(5 290 MHz)

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

Ch.106(5 530 MHz)

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

Ch.122(5 610 MHz)

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

Ch.138(5 690 MHz)

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

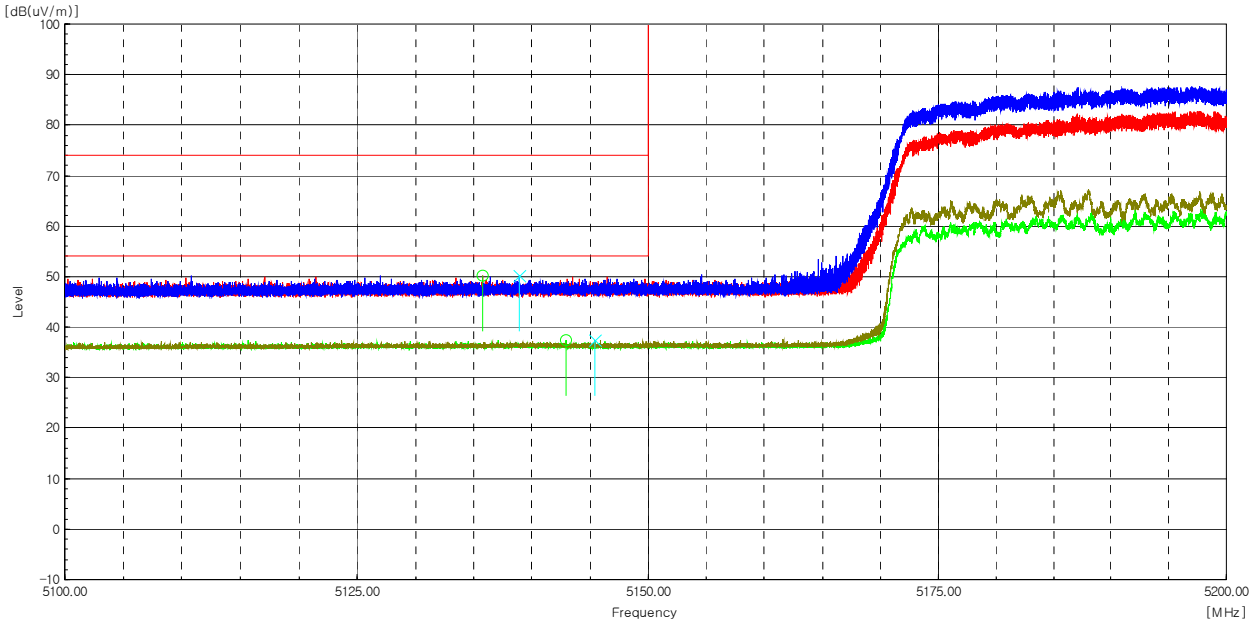
Ch.155(5 775 MHz)

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

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(X 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

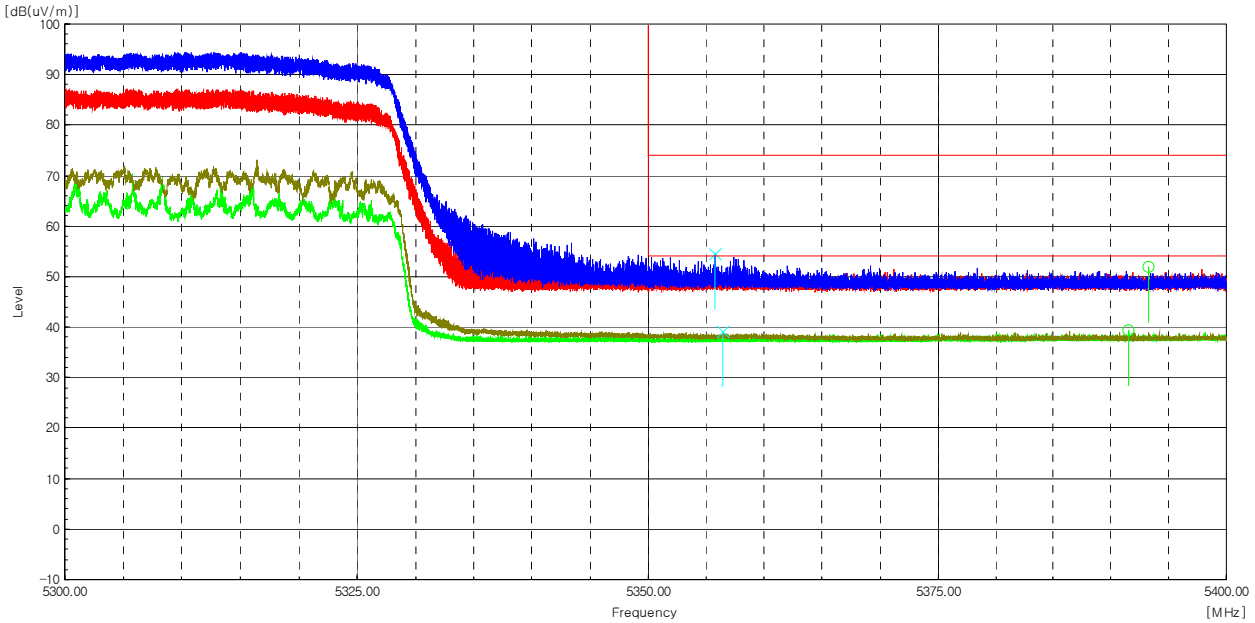
Worst Case Mode :	802.11ac_VHT80_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 210 MHz
Channel :	42



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
5 135.8	H	47.4	-----	2.8	-----	50.2	-----	74.0	-----	23.8	-----
5 142.9	H	-----	34.6	2.8	-----	-----	37.4	-----	54.0	-----	16.6
5 138.9	V	47.4	-----	2.8	-----	50.2	-----	74.0	-----	23.8	-----
5 145.4	V	-----	34.6	2.8	-----	-----	37.4	-----	54.0	-----	16.6

Radiated Restricted Band Edge Plot

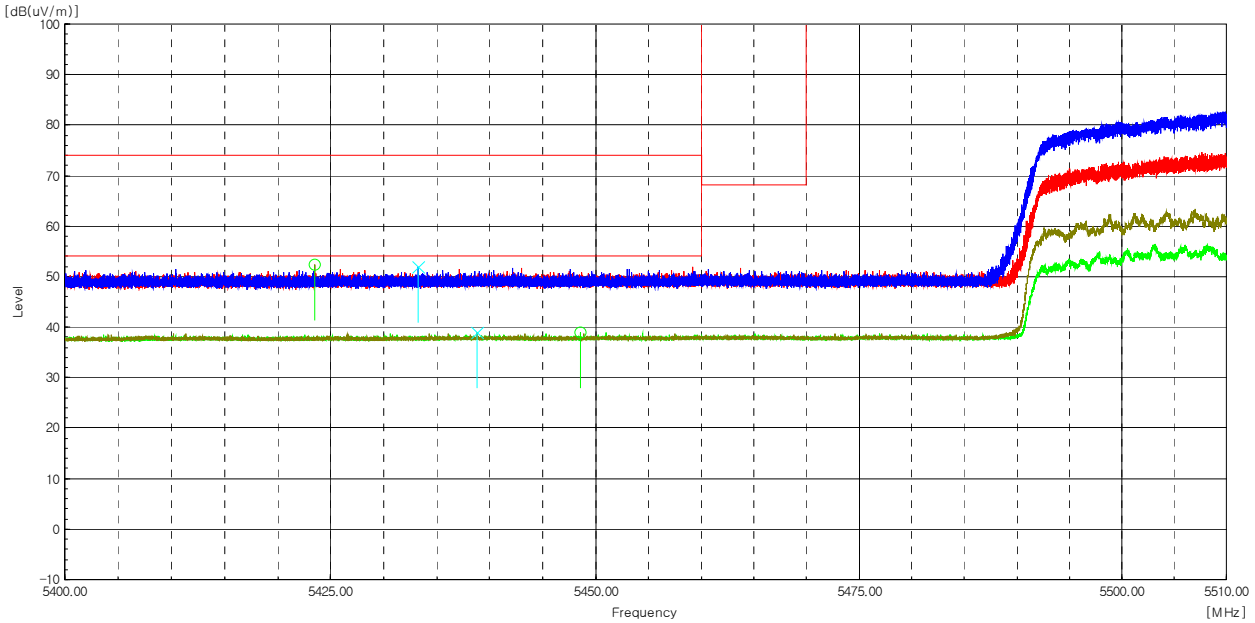
Worst Case Mode :	802.11ac_VHT80_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 290 MHz
Channel :	58



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
5 393.3	H	48.4	-----	3.5	-----	51.9	-----	74.0	-----	22.1	-----
5 391.6	H	-----	35.8	3.5	-----	-----	39.3	-----	54.0	-----	14.7
5 355.7	V	51.2	-----	3.4	-----	54.6	-----	74.0	-----	19.4	-----
5 356.5	V	-----	35.7	3.4	-----	-----	39.1	-----	54.0	-----	14.9

Radiated Restricted Band Edge Plot

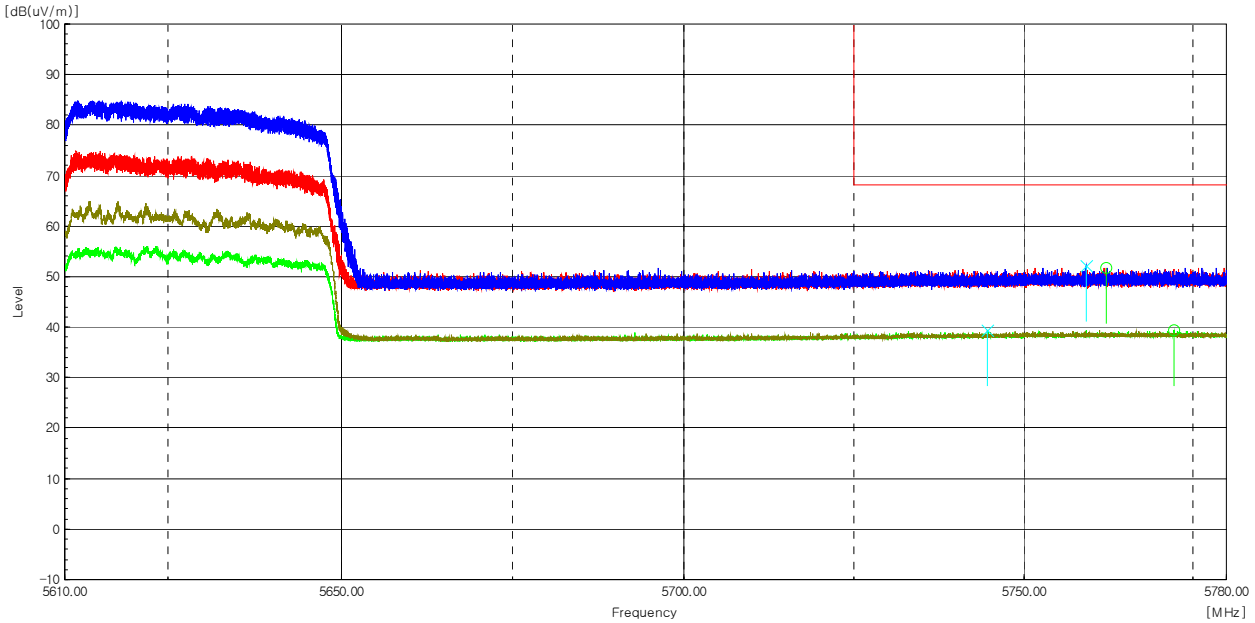
Worst Case Mode :	802.11ac_VHT80_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 530 MHz
Channel :	106



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
5 423.5	H	48.7	-----	3.6	-----	52.3	-----	74.0	-----	21.7	-----
5 448.6	H	-----	35.2	3.7	-----	-----	38.9	-----	54.0	-----	15.1
5 433.3	V	48.3	-----	3.7	-----	52.0	-----	74.0	-----	22.0	-----
5 438.8	V	-----	35.2	3.7	-----	-----	38.9	-----	54.0	-----	15.1

Radiated Restricted Band Edge Plot

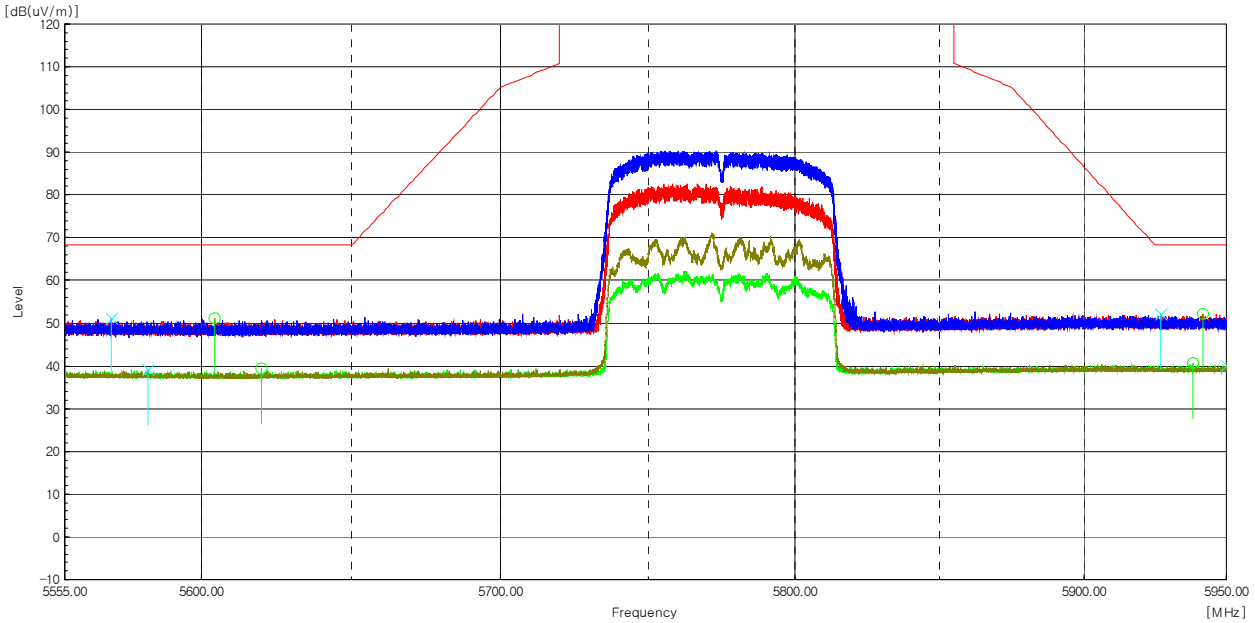
Worst Case Mode :	802.11ac_VHT80_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 610 MHz
Channel :	122



Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [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]
5 762.2	H	47.1	-----	4.7	-----	51.8	-----	68.2	-----	16.4	-----
5 772.2	H	-----	34.7	4.7	-----	-----	39.4	-----	68.2	-----	28.8
5 759.2	V	47.5	-----	4.7	-----	52.2	-----	68.2	-----	16.0	-----
5 744.6	V	-----	34.8	4.6	-----	-----	39.4	-----	68.2	-----	28.8

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ac_VHT80_ANT0+ANT1
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 775 MHz
Channel :	155



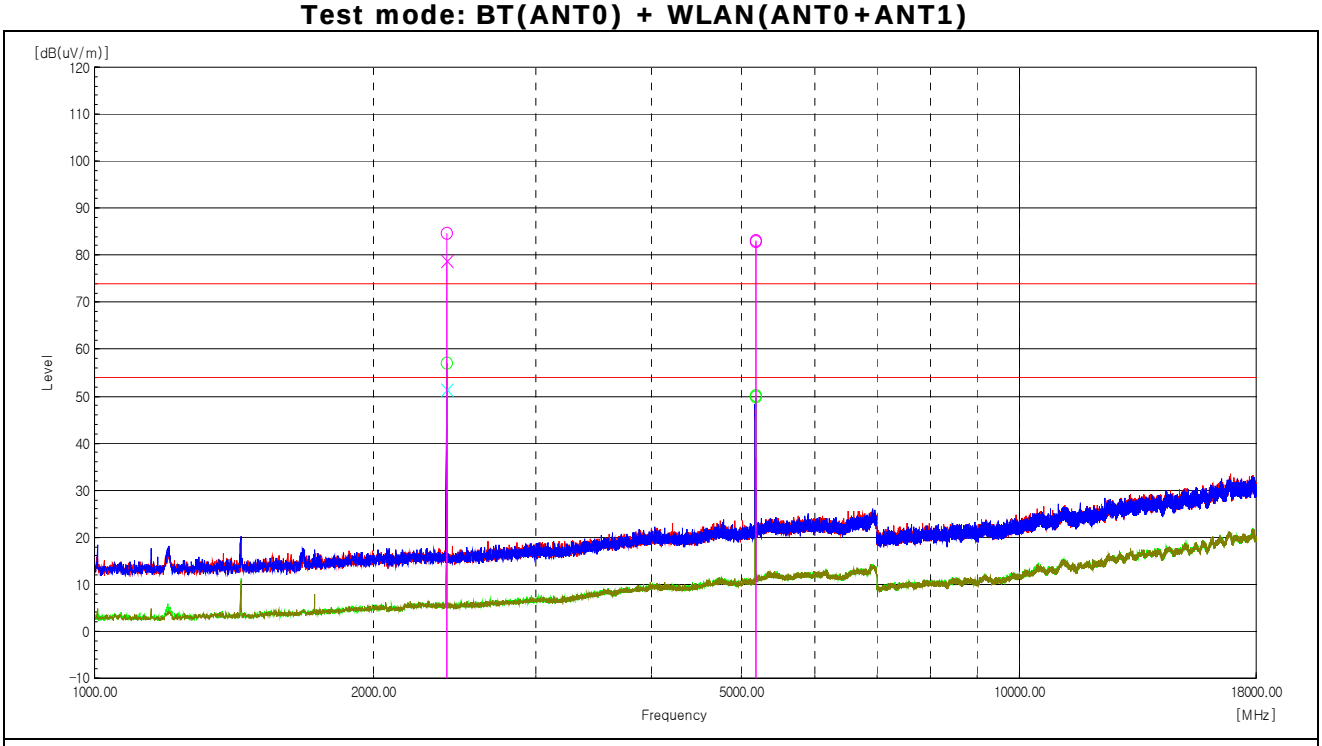
Frequency [MHz]	(P)	Reading PK [dBuV]	Reading AV [dBuV]	c.f [dB(1/m)]	Duty Cycle Factor [dB]	Level PK [dB(uV/m)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]
The emissions above 1 GHz were 20 dB lower than the limit.											

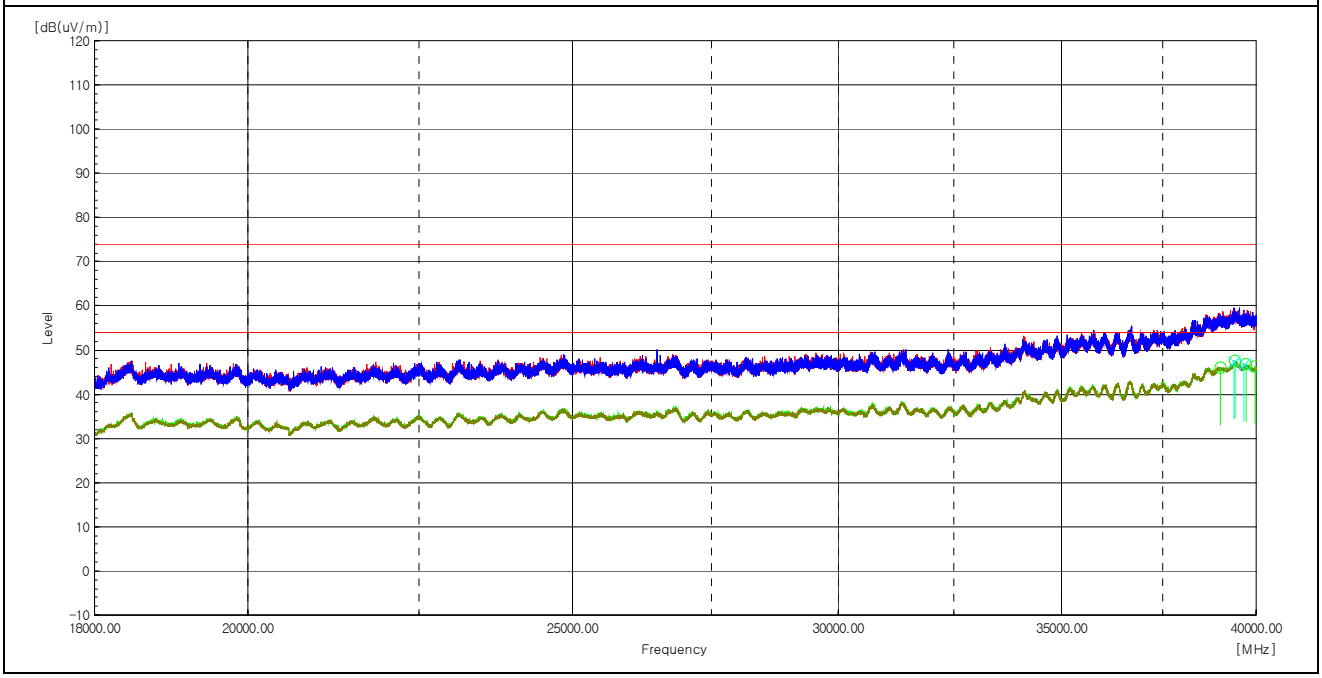
Radiated Restricted Band Edge Plot

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(X 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

Test mode: BT(ANT0) + WLAN(ANT0+ANT1)





GFSK Lowest channel & 802.11a Lowest channel

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 30 MHz to 1 GHz were 20 dB lower than the limit.											

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(X 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

4.7 AC Conducted Emissions

Test Location
Shielded Room

Frequency Range of Measurement
150 kHz to 30 MHz

Instrument Settings
IF Band Width: 9 kHz

Test Procedures

The EUT was placed on a non-metallic table 0.8m above the metallic, grounded floor and 0.4m from the reference ground plane wall. The distance to other metallic surfaces was at least 0.8m.
Amplitude measurements were performed with a quasi-peak detector and an average detector.

Limit

- **15.207(a)**

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56*	56 to 46*
0.5 ~ 5	56	46
5 ~ 30	60	50

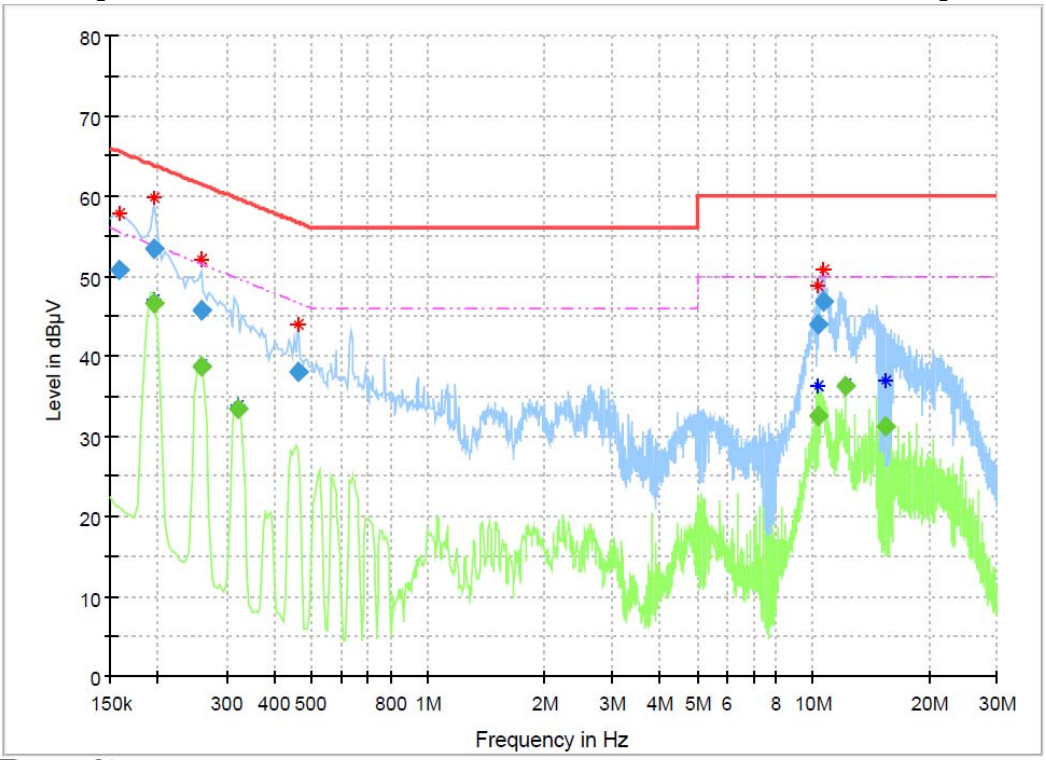
* Decreases with the logarithm of the frequency.

Test Results
The requirements are:

☒ Complies

Test Data

[Worst Case - 802.11ac_VHT80_UNII 1_Lowest channel]



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.159000	50.78	---	65.52	14.74	15000.0	9.000	N	ON	9.8
0.195000	53.49	---	63.82	10.33	15000.0	9.000	N	ON	9.8
0.195000	---	46.65	53.82	7.17	15000.0	9.000	L1	ON	9.9
0.258000	---	38.59	51.50	12.90	15000.0	9.000	N	ON	9.6
0.258000	45.69	---	61.50	15.80	15000.0	9.000	N	ON	9.6
0.321000	---	33.47	49.68	16.21	15000.0	9.000	N	ON	9.8
0.460500	37.99	---	56.68	18.70	15000.0	9.000	L1	ON	9.8
10.347000	---	32.58	50.00	17.42	15000.0	9.000	L1	ON	9.8
10.347000	44.05	---	60.00	15.95	15000.0	9.000	N	ON	9.9
10.630500	46.85	---	60.00	13.15	15000.0	9.000	L1	ON	9.8
12.129000	---	36.27	50.00	13.73	15000.0	9.000	L1	ON	9.8
15.396000	---	31.12	50.00	18.88	15000.0	9.000	L1	ON	9.9

APPENDIX A – Test Equipment Used For Tests

No.	Name of Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Signal Analyzer	Agilent	N9020A	MY50510324	2023-12-05	2024-12-05
2	Signal Analyzer	Agilent	N9020A	MY48011598	2023-09-25	2024-09-25
3	Signal Generator	Rohde & Schwarz	SMB100A	175528	2023-03-22 2024-03-21	2024-03-22 2025-03-21
4	EMI TEST RECEIVER	Rohde & Schwarz	ESW44	102039	2023-05-03	2024-05-03
5	BILOG ANTENNA	TESEQ	CBL6111D	60654	2023-08-21	2025-08-21
6	Active Loop Antenna	SCHWARZBECK	FMZB 1513	1513-125	2023-04-15	2025-04-15
7	6dB Attenuator	PASTERNACK	PE7AP006-06	L20210504000023	2023-08-04	2024-08-04
8	AMPLIFIER	SONOMA INSTRUMENT	310N	411011	2023-08-04	2024-08-04
9	Spectrum Analyzer	R&S	FSV40	101574	2024-01-15	2025-01-15
10	PRE AMPLIFIER	HP	8449B	3008A00620	2023-04-21	2024-04-21
11	Double Ridged Guide Antenna	ETS-Lindgren	3115	00078895	2023-04-13	2024-04-13
12	HORN ANTENNA	SCHWARZBECK	BBHA9170	1153	2023-10-19	2024-10-19
13	LOW NOISE AMPLIFIER	TESTEK	TK-PA1840H	210124-L	2023-10-23	2024-10-23
14	Band Reject Filter	Micro Tronics	BRM50702	G233	2023-12-04	2024-12-04
15	EMI Test Receiver	R&S	ESR3	102826	2023-05-03	2024-05-03
16	LISN	R&S	ENV216	102698	2023-05-03	2024-05-03
17	6dB Attenuator	NONE	6dB	190557	2023-09-25	2024-09-25

No.	Cable	Manufacturer	Model No.	Serial No.	Check Date
1	RF Cable (Conducted)	Junkosha Inc.	MWX221	1512S151	2023-08-21
2	RF Cable (Conducted)	Junkosha Inc.	MWX221	1512S148	2023-08-21
3	RF Cable (Line Conducted)	Canare Corporation	L-5D2W	N/A	2024-03-06
4	RF Cable (9kHz-30MHz Radiated)	Canare Corporation	L-5D2W	N/A	2024-03-06
5	RF Cable (9kHz-1GHz Radiated)	Canare Corporation	L-5D2W	N/A	2023-08-23
6	RF Cable (9kHz-1GHz Radiated)	HUBER+SUHNER	SUCOFLEX 104	MY27558/4	2023-08-23
7	RF Cable (1GHz-18GHz Radiated)	Junkosha Inc.	MWX221	2008S246	2023-06-28
8	RF Cable (1GHz-18GHz Radiated)	Rosenberger	NONE	1520.9927.00	2023-06-28
9	RF Cable (1GHz-18GHz Radiated)	Sensorview Co., LTD	9S18	TPC2204060007	2023-06-28
10	RF Cable (18 GHz - 40 GHz Radiated)	Sensorview Co., LTD	9S40	TPC2204060009	2023-06-28
11	RF Cable (18 GHz - 40 GHz Radiated)	Sensorview Co., LTD	9A40	TP210713-001	2023-06-28

-END-