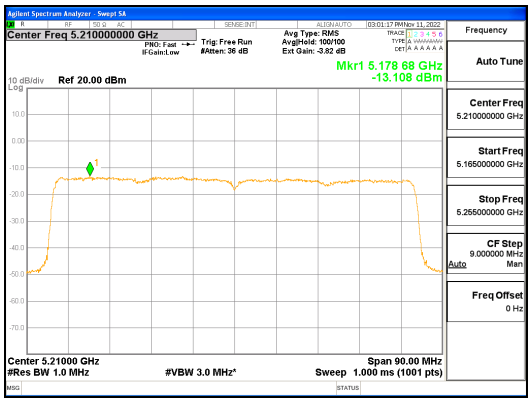
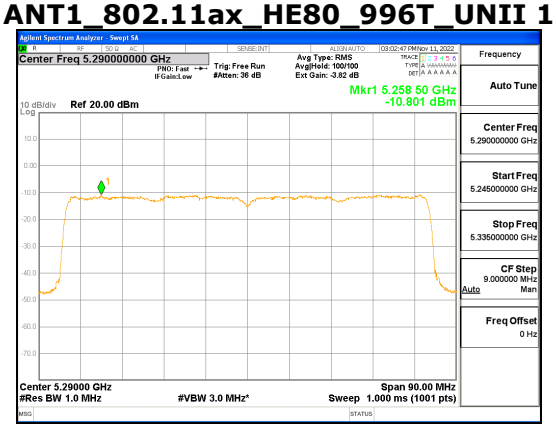


ANT1_802.11ax_HE80_996T_UNII 1



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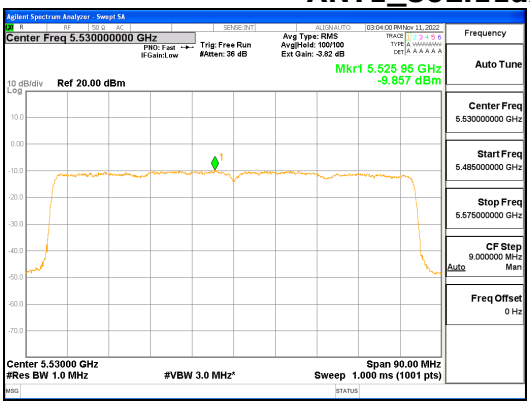

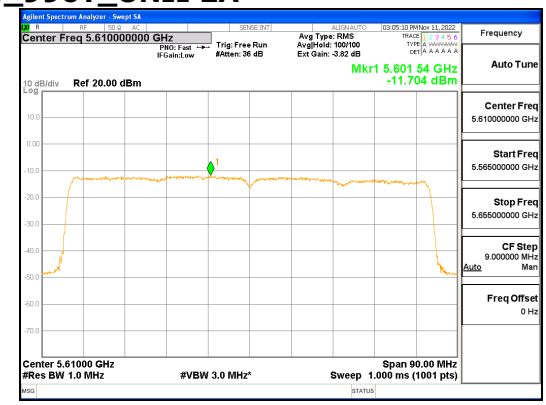

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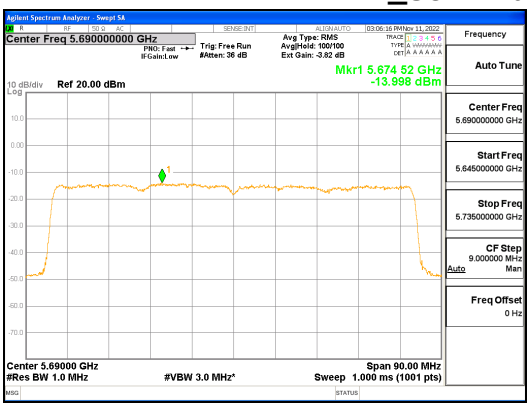

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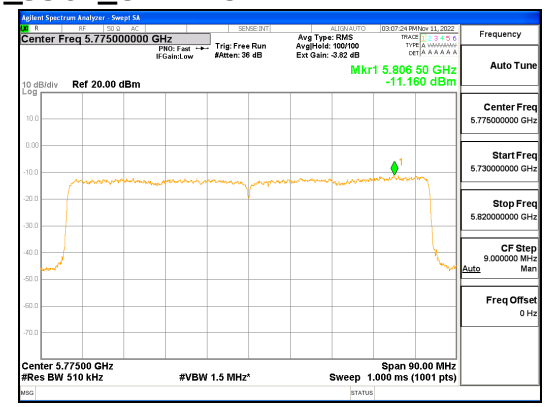
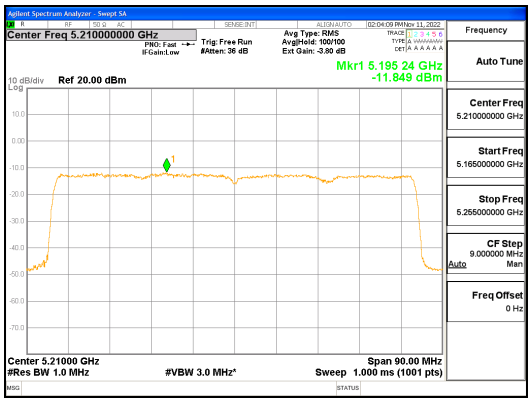


ANT1_802.11ax_HE80_996T_UNII 3



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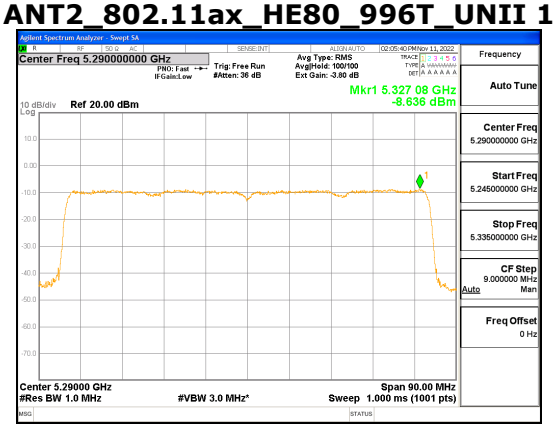

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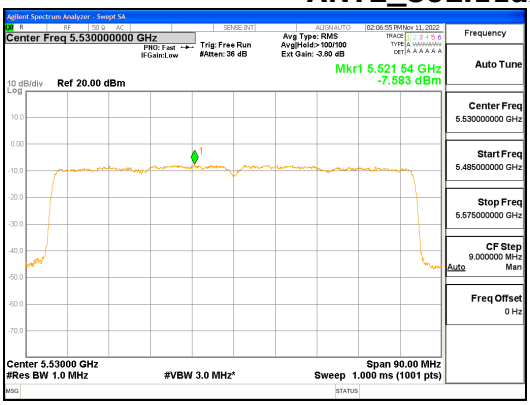
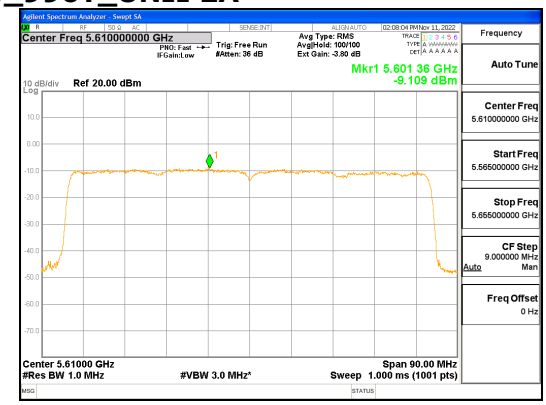
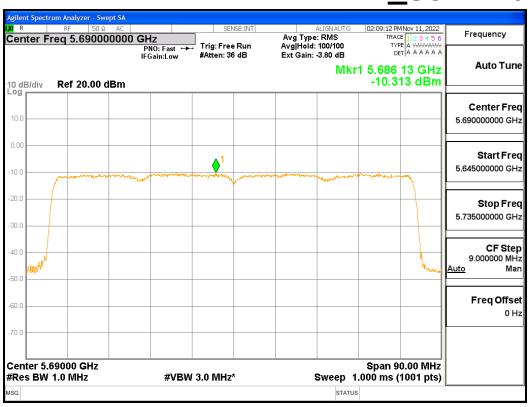
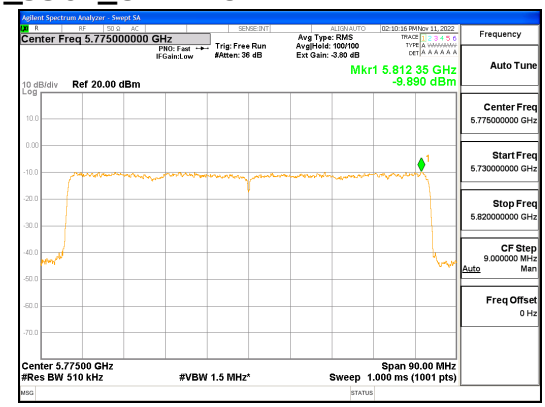




ANT2_802.11ax_HE80_996T_UNII 2C



ANT2_802.11ax_HE80_996T_UNII 2C



ANT2_802.11ax_HE80_996T_UNII 3

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 0 ℃ and +40 ℃(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)					
		5 180	5 200	5 240	5 260	5 300	5 320
12.0	0	75.219	68.725	111.530	107.540	101.480	108.540
12.0	10	60.122	55.753	10.020	77.596	95.011	10.318
12.0	20(Ref)	31.811	28.870	81.705	69.030	73.461	87.165
12.0	30	22.205	18.063	60.491	37.199	66.545	79.045
12.0	40	8.402	569	55.173	33.874	40.970	56.022
10.2	20(Ref)	38.203	22.483	72.015	67.296	84.574	96.833
13.8	20(Ref)	41.953	33.495	76.301	59.720	69.135	82.285

Measured Frequency Error (kHz)								
Voltage (VDC)	Temperature (℃)	Test Frequency (MHz)						
		5 500	5 600	5 700	5 720	5 745	5 785	5 825
12.0	0	96.533	79.090	99.843	15.902	11.894	16.915	88.475
12.0	10	85.191	71.632	91.471	116.610	94.392	242.840	99.651
12.0	20(Ref)	46.681	57.105	90.437	113.120	11.171	192.480	67.404
12.0	30	39.594	21.121	48.181	89.797	70.091	164.900	32.628
12.0	40	28.523	16.064	69.344	101.260	75.111	137.620	64.645
10.2	20(Ref)	56.945	46.716	78.255	141.880	110.300	225.610	94.075
13.8	20(Ref)	48.026	47.826	85.046	121.830	111.650	201.010	76.277

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
802.11a	0.7 dB
802.11n_HT20	2.2 dB
802.11n_HT40	2.6 dB
802.11ac_VHT20	2.1 dB
802.11ac_VHT40	2.5 dB
802.11ac_VHT80	2.4 dB
802.11ax HE20/40 26T	0.1 dB
802.11ax HE20/40 52T	0.1 dB
802.11ax HE20/40 106T	0.2 dB
802.11ax HE20/40 242T	0.3 dB
802.11ax HE40 484T	0.5 dB
802.11ax HE80 26T	0.1 dB
802.11ax HE80 52T	0.1 dB
802.11ax HE80 106T	0.2 dB
802.11ax HE80 242T	0.3 dB
802.11ax HE80 484T	0.3 dB
802.11ax HE80 996T	0.8 dB

Limit

1. UNII 1, 2A : All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

2. UNII 2C : All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

3. 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.

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

4. 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.

5. 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

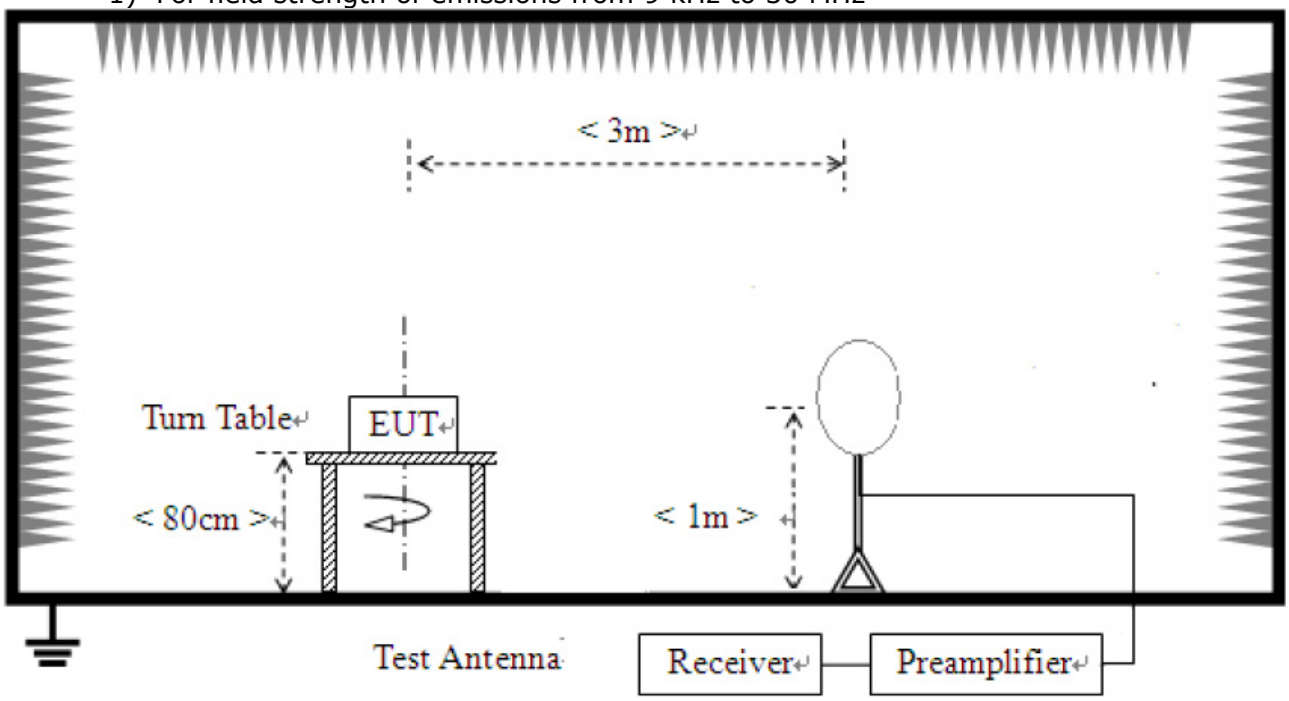
§ 15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown is Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using 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 :

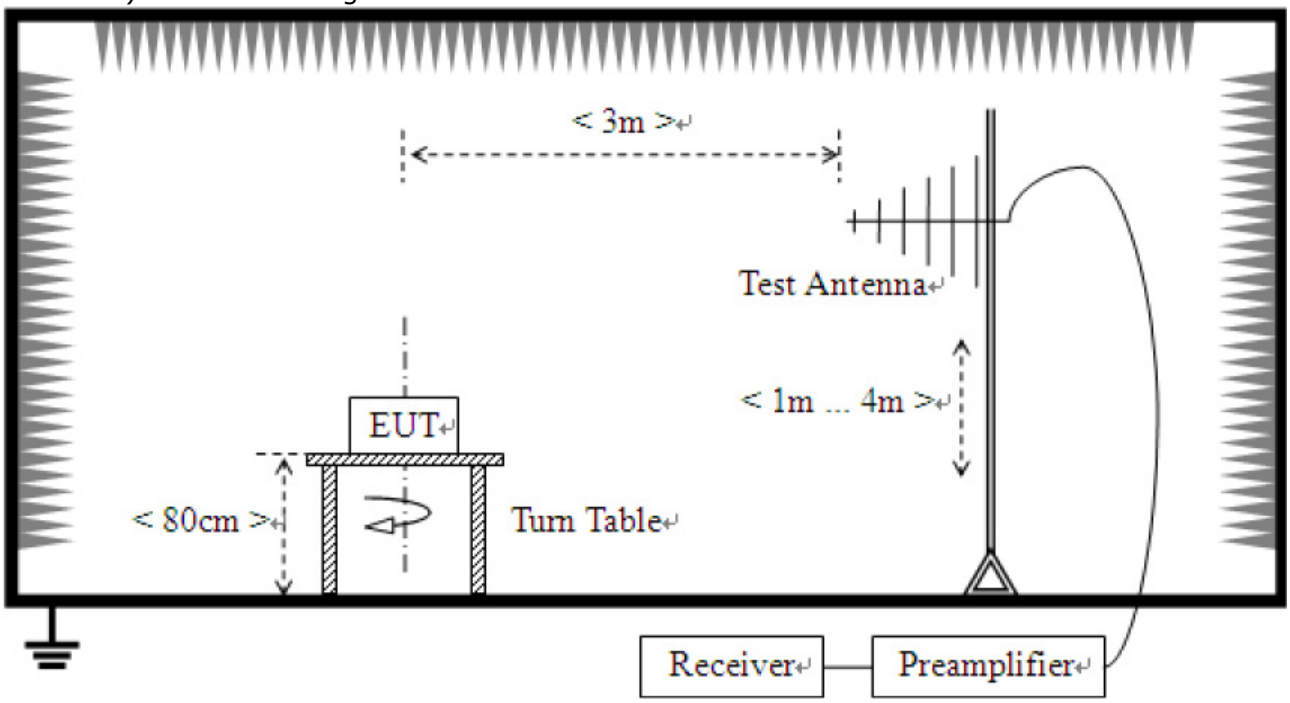
1) For above 1 GHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
2) For above 1 GHz, limit field strength of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

Test Setup:

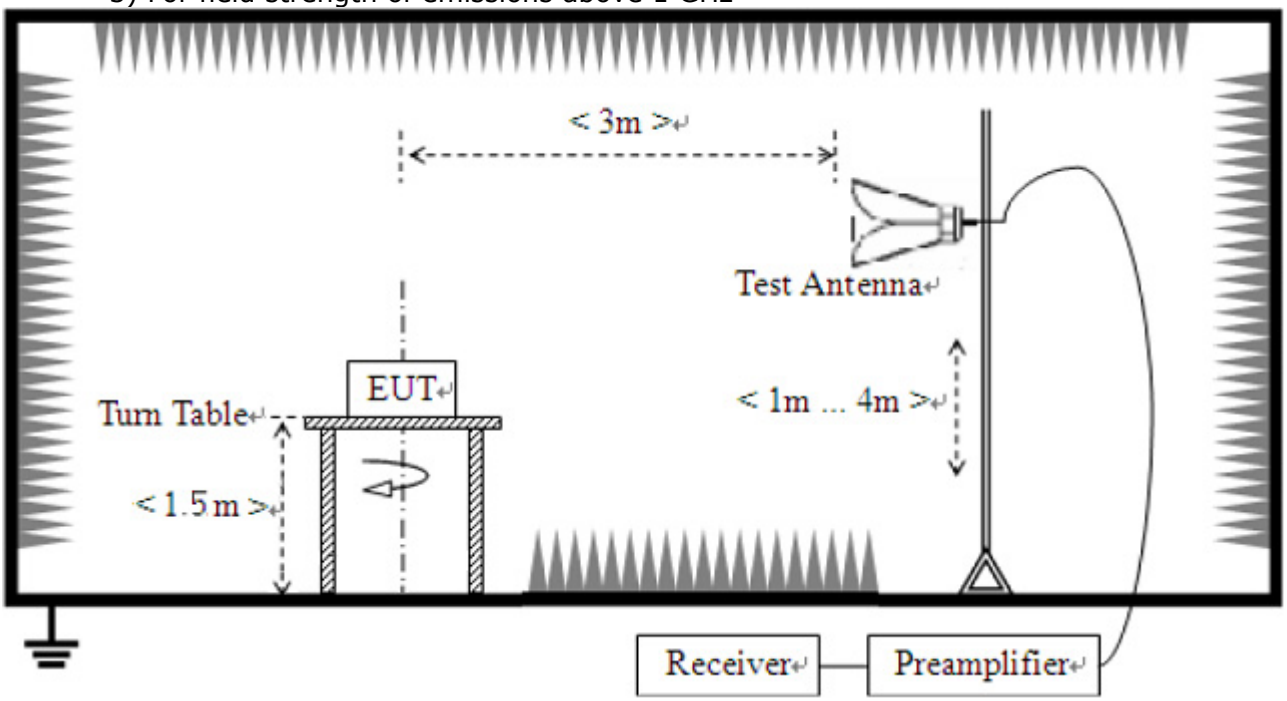
1) For field strength of emissions from 9 kHz to 30 MHz



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 : ANT1, ANT2 (SISO)
802.11n : ANT1 + ANT2 (MIMO)
802.11ac : ANT1 + ANT2 (MIMO)
802.11ax : ANT1 + ANT2 (MIMO)

So the results are only attached worst cases.

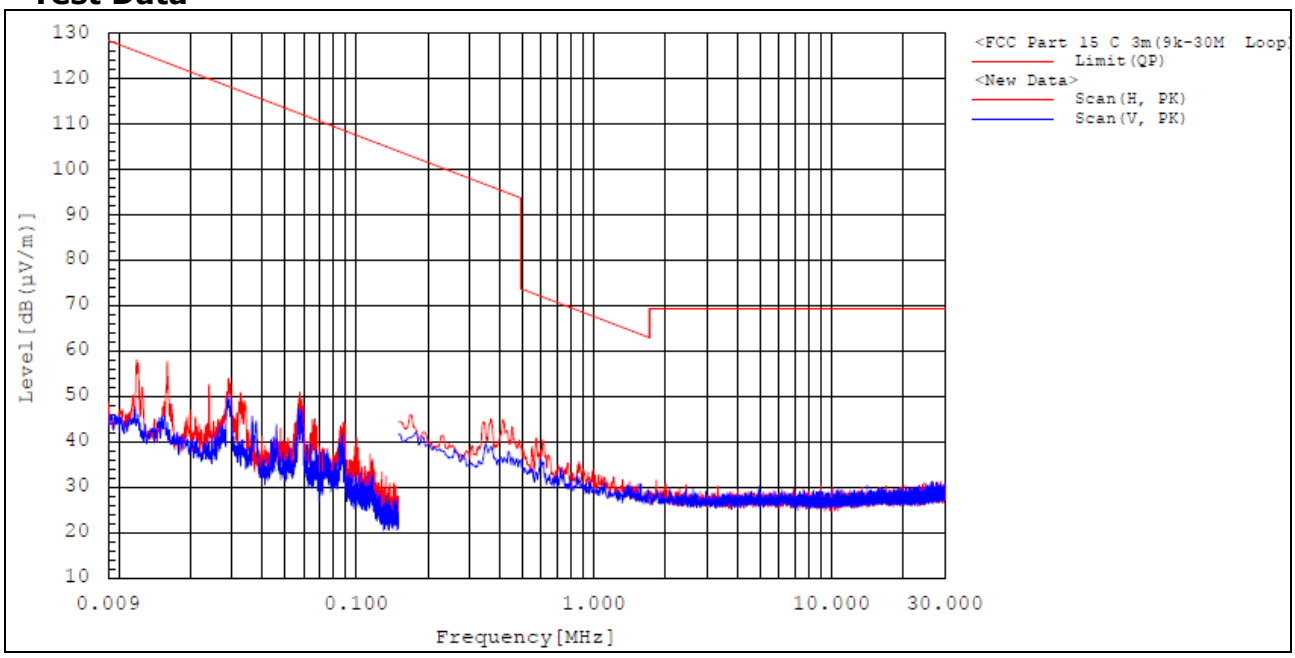
Test Results

1) 9 kHz to 30 MHz

Test mode : Transmitter (Worst Case)

The requirements are:
☒ Complies

Test Data



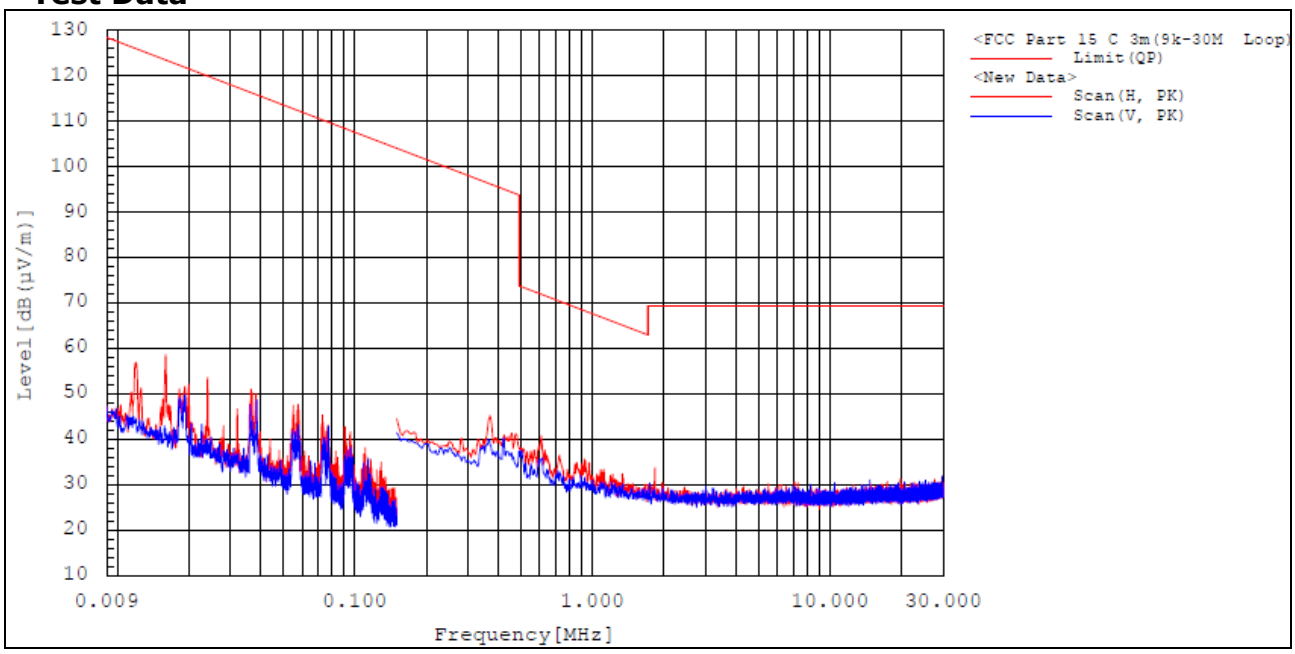
Frequency [MHz]	(P)	Reading [dBuV]	c.f [dB(1/m)]	Level [dB(uV/m)]	Limit [dB(uV/m)]	Margin [dB]
The emissions 9 kHz to 30 MHz were 20 dB lower than the limit.						

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.

Test mode : Receiver (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.						

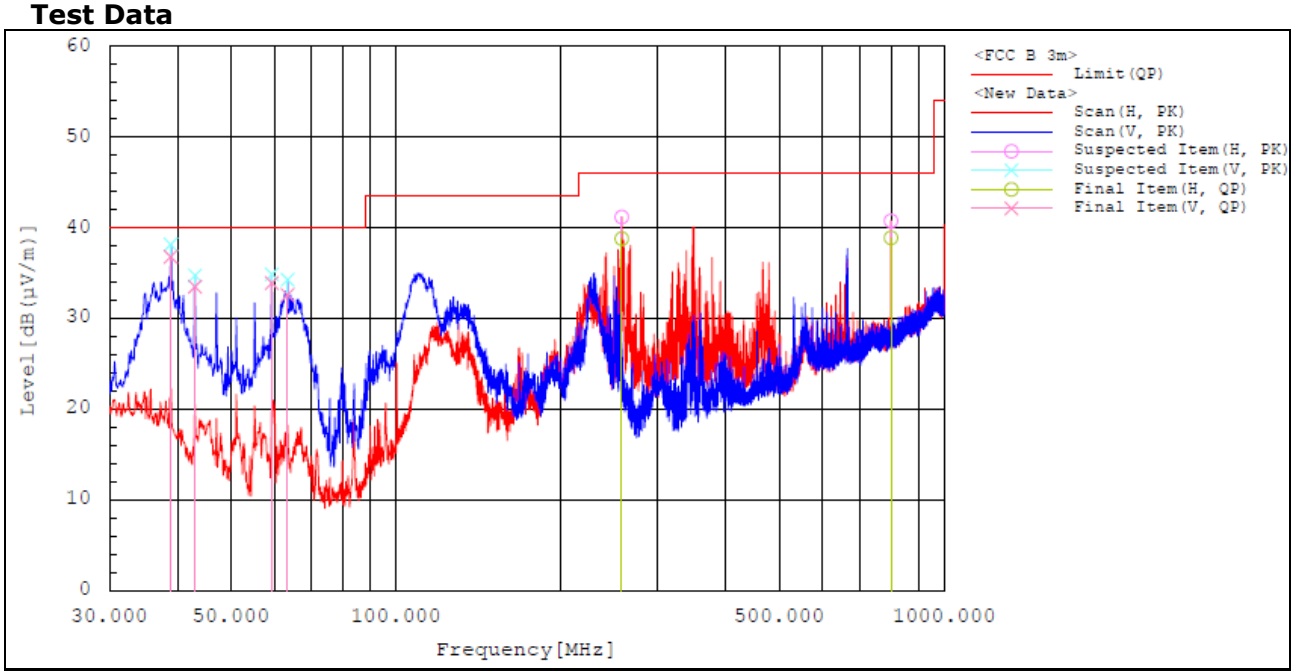
Remark :
1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Result = Reading + c.f(Correction factor)
3. Correction factor = Antenna factor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

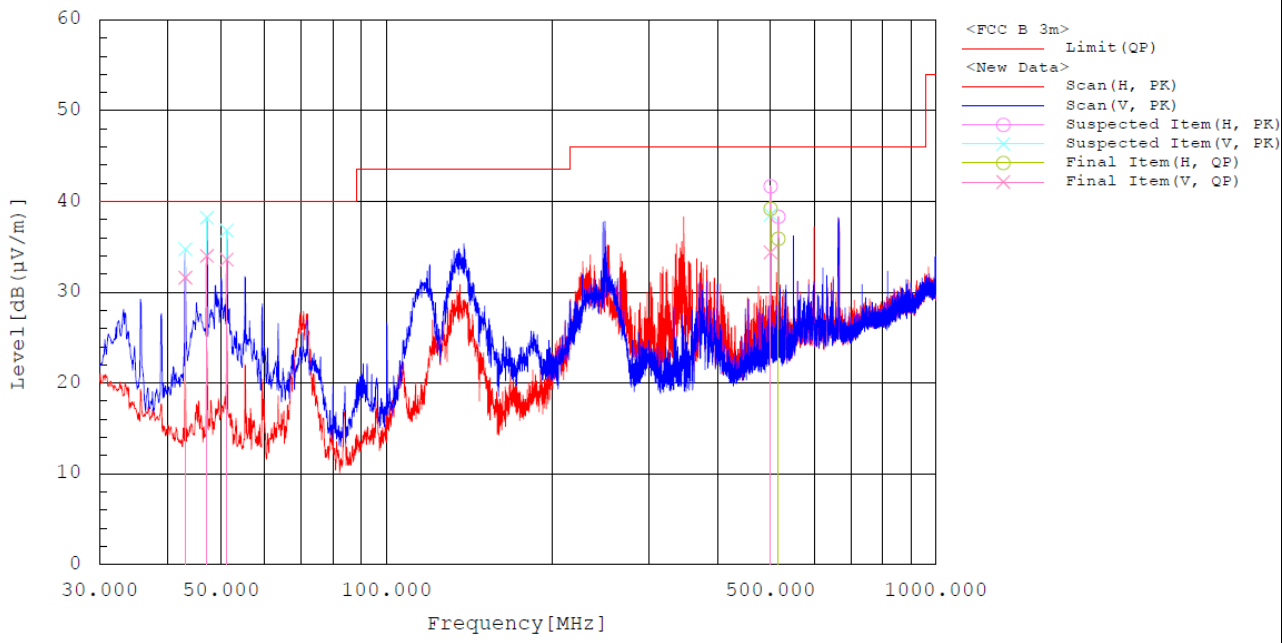
No.	Frequency [MHz]	Pol	Reading QP [dB(µV)]	c.f [dB(1/m)]	Result QP [dB(µV/m)]	Limit QP [dB(µV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	38.827	V	47.2	-10.4	36.8	40.0	3.2	100.0	250.9	
2	42.998	V	46.3	-12.8	33.5	40.0	6.5	100.0	100.1	
3	59.391	V	52.6	-18.7	33.9	40.0	6.1	100.0	1.4	
4	63.465	V	51.0	-18.4	32.6	40.0	7.4	100.0	42.5	
5	258.241	H	47.1	-8.3	38.8	46.0	7.2	100.0	357.3	
6	800.083	H	34.8	4.1	38.9	46.0	7.1	100.0	71.3	

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

Test mode : Transmitter (simultaneous transmissions DSS + NII)

The requirements are:
☒ Complies

Test Data



Final Result

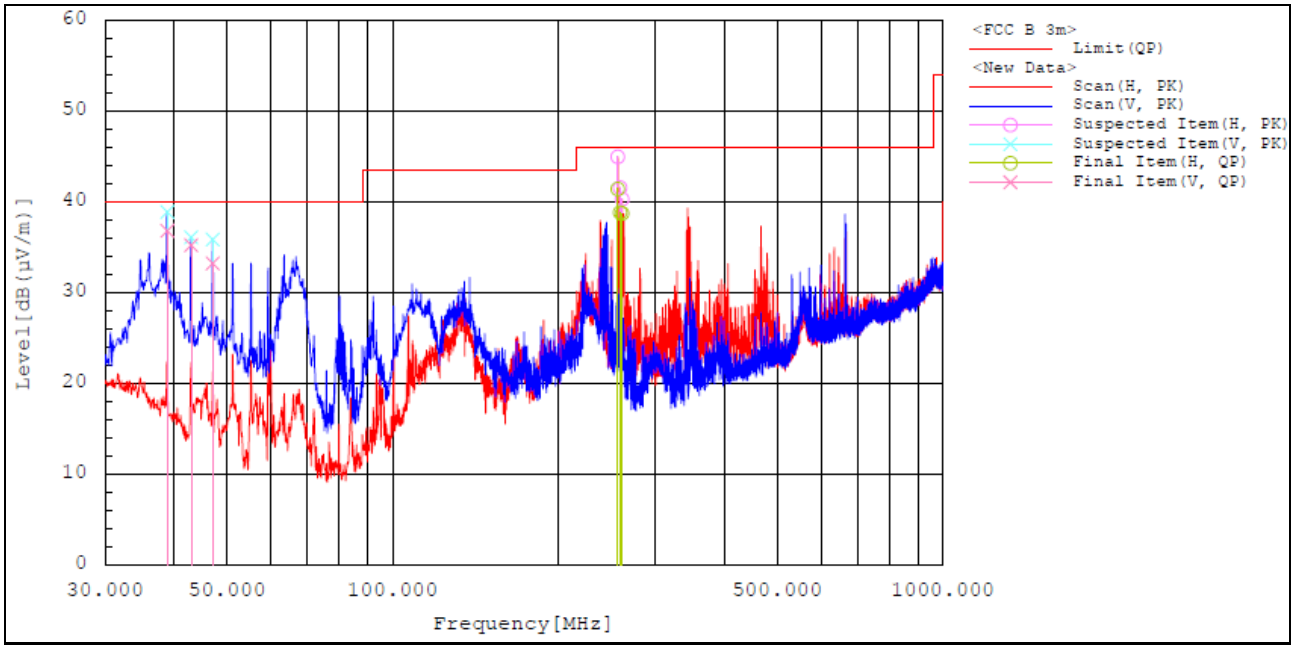
No.	Frequency [MHz]	Pol	Reading QP [dB(µV)]	c.f [dB(1/m)]	Result QP [dB(µV/m)]	Limit QP [dB(µV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	42.998	V	45.1	-13.5	31.6	40.0	8.4	100.0	320.4
2	47.072	V	49.6	-15.6	34.0	40.0	6.0	100.0	359.3
3	51.146	V	51.2	-17.6	33.6	40.0	6.4	100.0	344.5
4	500.062	H	43.5	-4.3	39.2	46.0	6.8	100.0	101.4
5	500.062	V	38.7	-4.3	34.4	46.0	11.6	100.0	136.2
6	516.649	H	39.9	-4.0	35.9	46.0	10.1	200.0	90.0

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

Test mode : Receiver (Worst Case)

The requirements are:
☒ Complies

Test Data



Final Result

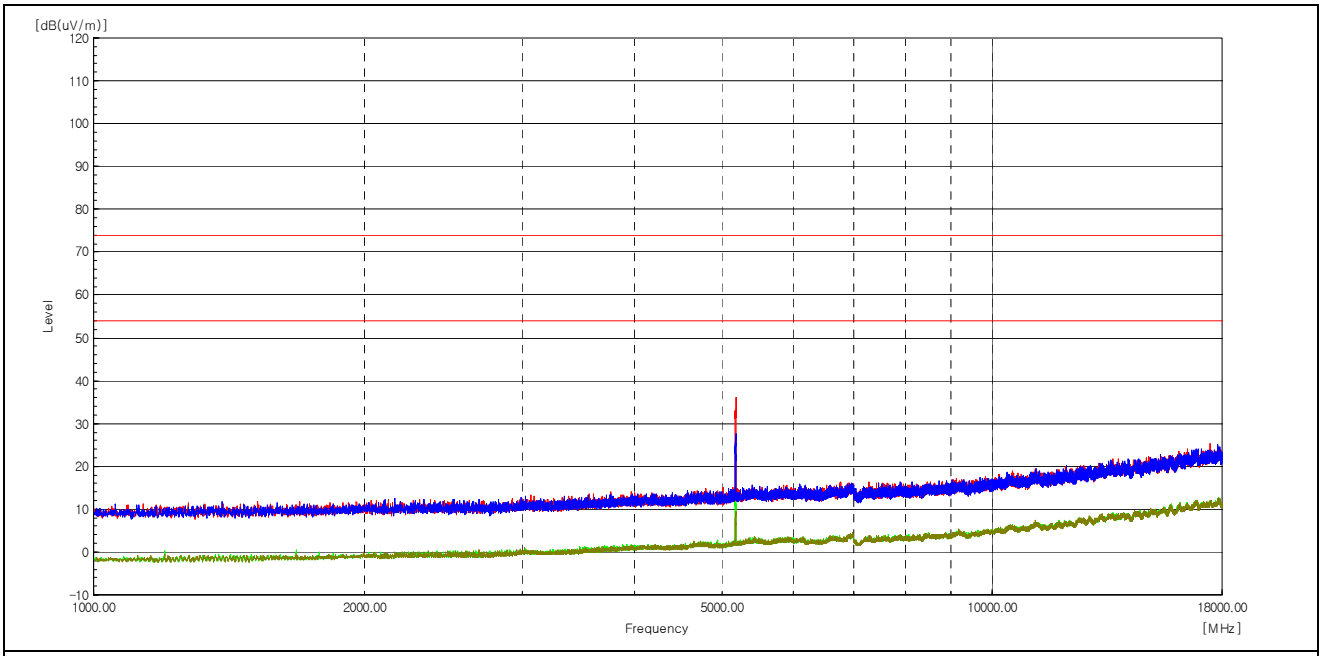
No.	Frequency [MHz]	Pol	Reading QP [dB(µV)]	c.f [dB(1/m)]	Result QP [dB(µV/m)]	Limit QP [dB(µV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]	Remark
1	38.924	V	47.2	-10.4	36.8	40.0	3.2	100.0	39.5	
2	42.998	V	48.0	-12.8	35.2	40.0	4.8	100.0	124.4	
3	47.072	V	48.3	-15.1	33.2	40.0	6.8	100.0	224.3	
4	256.398	H	50.0	-8.6	41.4	46.0	4.6	99.9	355.1	
5	258.920	H	47.0	-8.2	38.8	46.0	7.2	99.9	358.5	
6	261.151	H	46.8	-8.1	38.7	46.0	7.3	99.9	329.2	

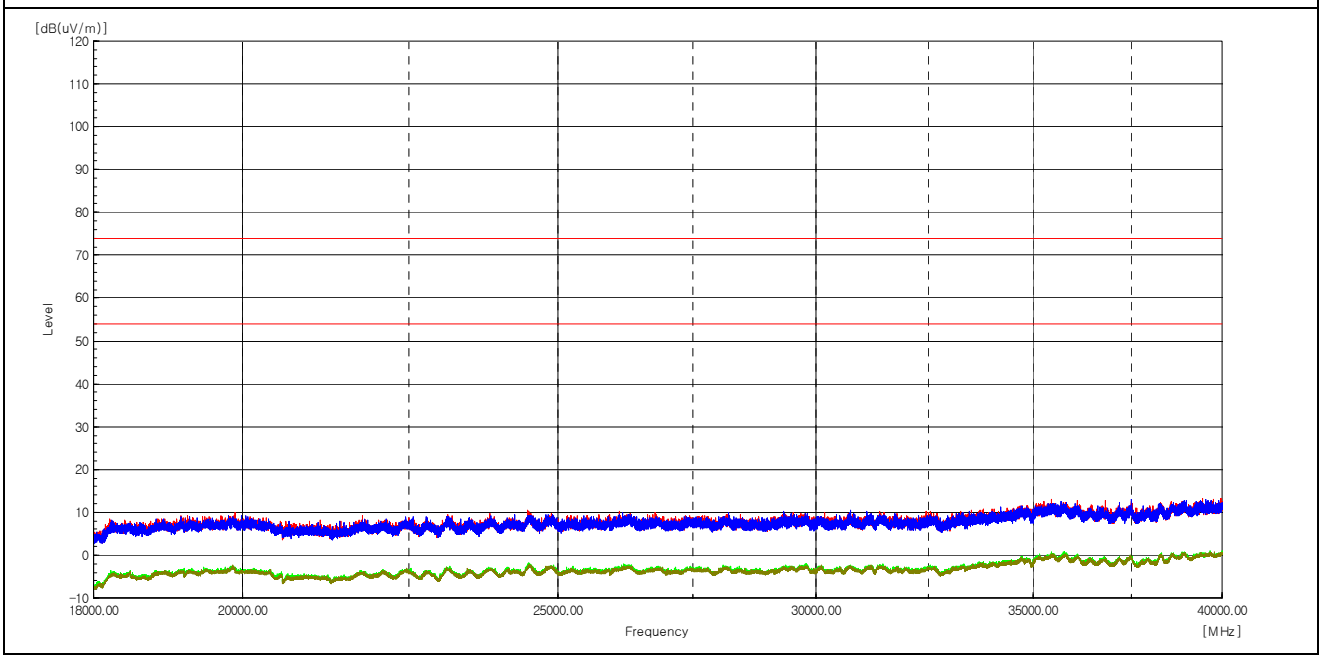
Remark :
1. The unwanted emission was measured in the following position: EUT stand-up position(Z axis), lie-down positon(X,Y axis). The worst emission was found in lie-down positon(Y axis) and the worst case was recorded.
2. Result = Reading + c.f(Correction factor)
3. Correction factor = Antenna factor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

3) above 1 GHz

The requirements are:
☒ Complies

Test Data





Test mode : Transmitter, 802.11a-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)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
3 885.06	H	45.8	0.3	-----	46.1	-----	74.0	-----	27.9	-----	Peak
3 885.09	H	33.7	0.3	0.7	-----	34.7	-----	54.0	-----	19.3	Average
3 885.44	V	45.7	0.3	-----	46.0	-----	74.0	-----	28.0	-----	Peak
3 885.04	V	33.2	0.3	0.7	-----	34.2	-----	54.0	-----	19.8	Average

Ch.40(5 200 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
3 900.01	H	45.9	0.3	-----	46.2	-----	74.0	-----	27.8	-----	Peak
3 900.09	H	34.0	0.3	0.7	-----	35.0	-----	54.0	-----	19.0	Average
3 900.03	V	46.2	0.3	-----	46.5	-----	74.0	-----	27.5	-----	Peak
3 899.99	V	33.3	0.3	0.7	-----	34.3	-----	54.0	-----	19.7	Average

Ch.48(5 240 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
3 929.93	H	46.3	0.3	-----	46.6	-----	74.0	-----	27.4	-----	Peak
3 929.89	H	34.2	0.3	0.7	-----	35.2	-----	54.0	-----	18.8	Average
3 930.27	V	45.9	0.3	-----	46.2	-----	74.0	-----	27.8	-----	Peak
3 929.98	V	33.5	0.3	0.7	-----	34.5	-----	54.0	-----	19.5	Average

Ch.52(5 260 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
3 945.20	H	46.6	0.2	-----	46.8	-----	74.0	-----	27.2	-----	Peak
3 945.10	H	34.7	0.2	0.7	-----	35.6	-----	54.0	-----	18.4	Average
3 945.14	V	47.2	0.2	-----	47.4	-----	74.0	-----	26.6	-----	Peak
3 945.10	V	34.3	0.2	0.7	-----	35.2	-----	54.0	-----	18.8	Average

Ch.60(5 300 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
3 974.84	H	47.4	0.1	-----	47.5	-----	74.0	-----	26.5	-----	Peak
3 975.04	H	35.7	0.1	0.7	-----	36.5	-----	54.0	-----	17.5	Average
3 975.10	V	47.0	0.1	-----	47.1	-----	74.0	-----	26.9	-----	Peak
3 974.92	V	35.3	0.1	0.7	-----	36.1	-----	54.0	-----	17.9	Average

Ch.64(5 320 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
3 990.15	H	47.1	0.1	-----	47.2	-----	74.0	-----	26.8	-----	Peak
3 990.14	H	36.1	0.1	0.7	-----	36.9	-----	54.0	-----	17.1	Average
3 989.93	V	47.3	0.1	-----	47.4	-----	74.0	-----	26.6	-----	Peak
3 990.14	V	35.4	0.1	0.7	-----	36.2	-----	54.0	-----	17.8	Average

Ch.100(5 500 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
4 125.17	H	47.6	0.7	-----	48.3	-----	74.0	-----	25.7	-----	Peak
4 125.04	H	38.6	0.7	0.7	-----	40.0	-----	54.0	-----	14.0	Average
4 125.04	V	47.7	0.7	-----	48.4	-----	74.0	-----	25.6	-----	Peak
4 125.02	V	37.0	0.7	0.7	-----	38.4	-----	54.0	-----	15.6	Average

Ch.120(5 600 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.140(5 700 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.144(5 720 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.149(5 745 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.157(5 785 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.											

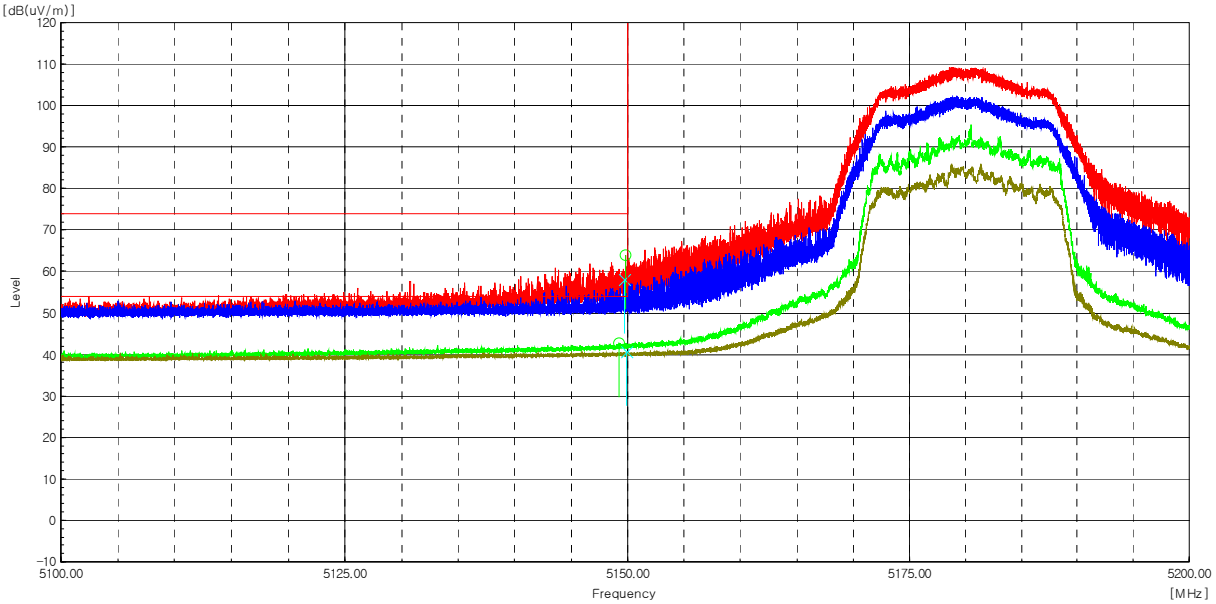
Ch.165(5 825 MHz)

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.											

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

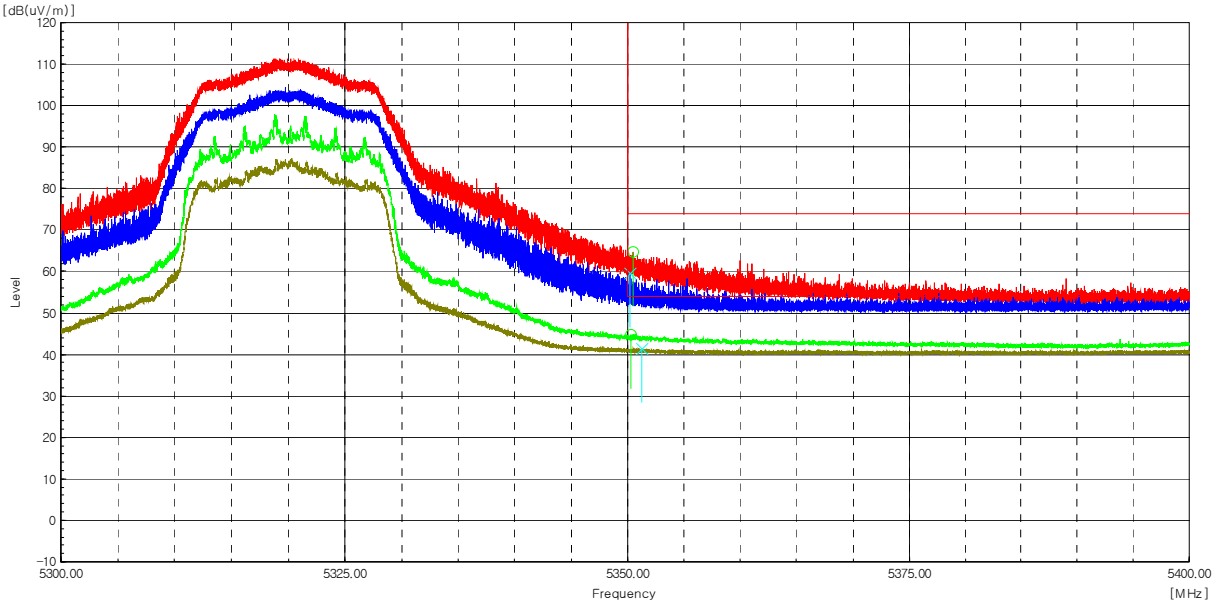
Worst Case Mode :	802.11a-ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 180 MHz
Channel :	36



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
5 149.80	H	61.3	2.7	-----	64.0	-----	74.0	-----	10.0	-----	Peak
5 149.28	H	40.0	2.7	0.7	-----	43.4	-----	54.0	-----	10.6	Average
5 149.73	V	55.3	2.7	-----	58.0	-----	74.0	-----	16.0	-----	Peak
5 149.90	V	37.9	2.7	0.7	-----	41.3	-----	54.0	-----	12.7	Average

Radiated Restricted Band Edge Plot

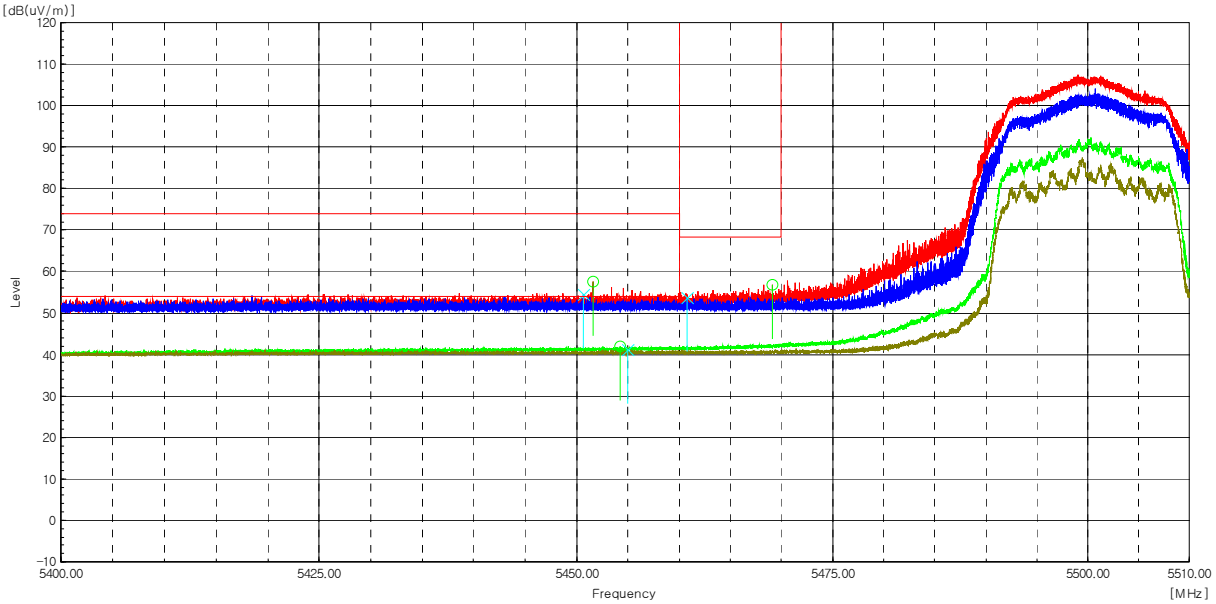
Worst Case Mode :	802.11a-ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 320 MHz
Channel :	64



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
5 350.51	H	61.7	2.9	-----	64.6	-----	74.0	-----	9.4	-----	Peak
5 350.27	H	41.9	2.9	0.7	-----	45.5	-----	54.0	-----	8.5	Average
5 350.17	V	56.7	2.9	-----	59.6	-----	74.0	-----	14.4	-----	Peak
5 351.25	V	38.5	2.9	0.7	-----	42.1	-----	54.0	-----	11.9	Average

Radiated Restricted Band Edge Plot

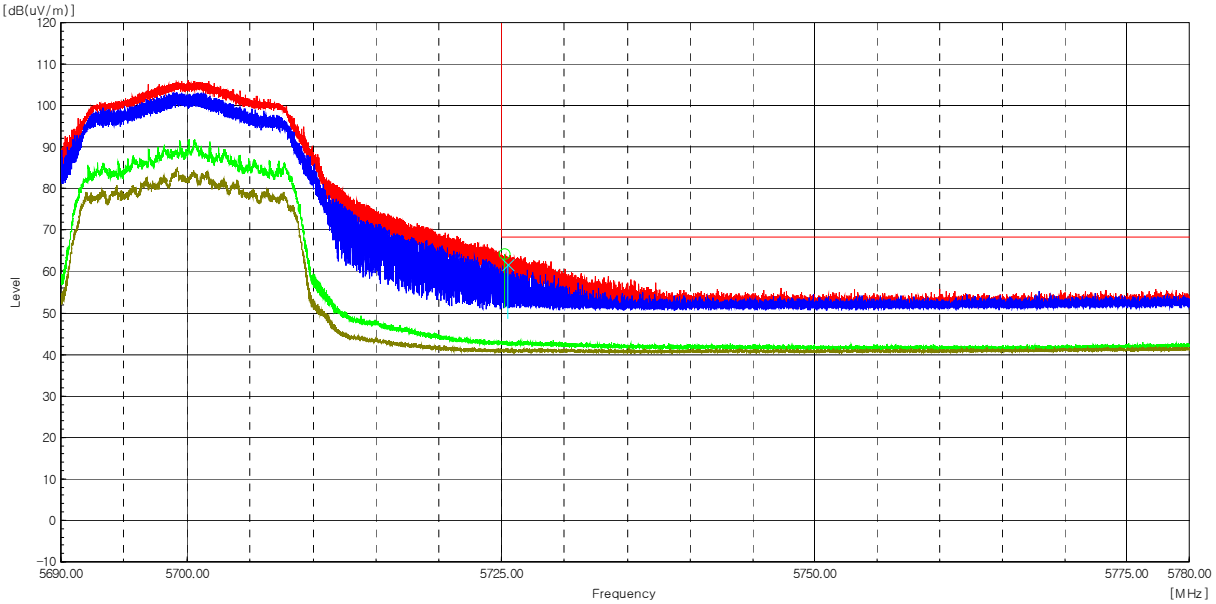
Worst Case Mode :	802.11a-ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 500 MHz
Channel :	100



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
5 469.14	H	53.1	3.8	-----	56.9	-----	68.2	-----	11.3	-----	Peak
5 460.79	V	50.0	3.8	-----	53.8	-----	68.2	-----	14.4	-----	Peak
5 451.57	H	53.9	3.8	-----	57.7	-----	74.0	-----	16.3	-----	Peak
5 454.27	H	38.1	3.8	0.7	-----	42.6	-----	54.0	-----	11.4	Average
5 450.71	V	50.7	3.8	-----	54.5	-----	74.0	-----	19.5	-----	Peak
5 454.94	V	37.3	3.8	0.7	-----	41.8	-----	54.0	-----	12.2	Average

Radiated Restricted Band Edge Plot

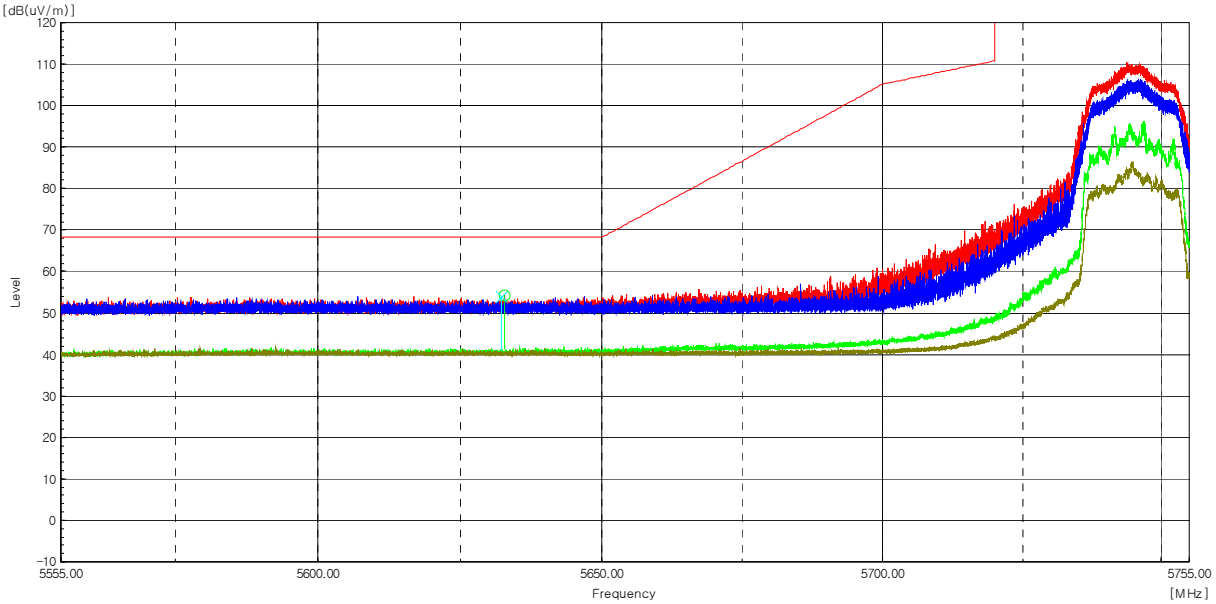
Worst Case Mode :	802.11a-ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 700 MHz
Channel :	140



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
5 725.22	H	60.5	3.8	-----	64.3	-----	68.2	-----	3.9	-----	Peak
5 725.49	V	57.8	3.8	-----	61.6	-----	68.2	-----	6.6	-----	Peak

Radiated Restricted Band Edge Plot

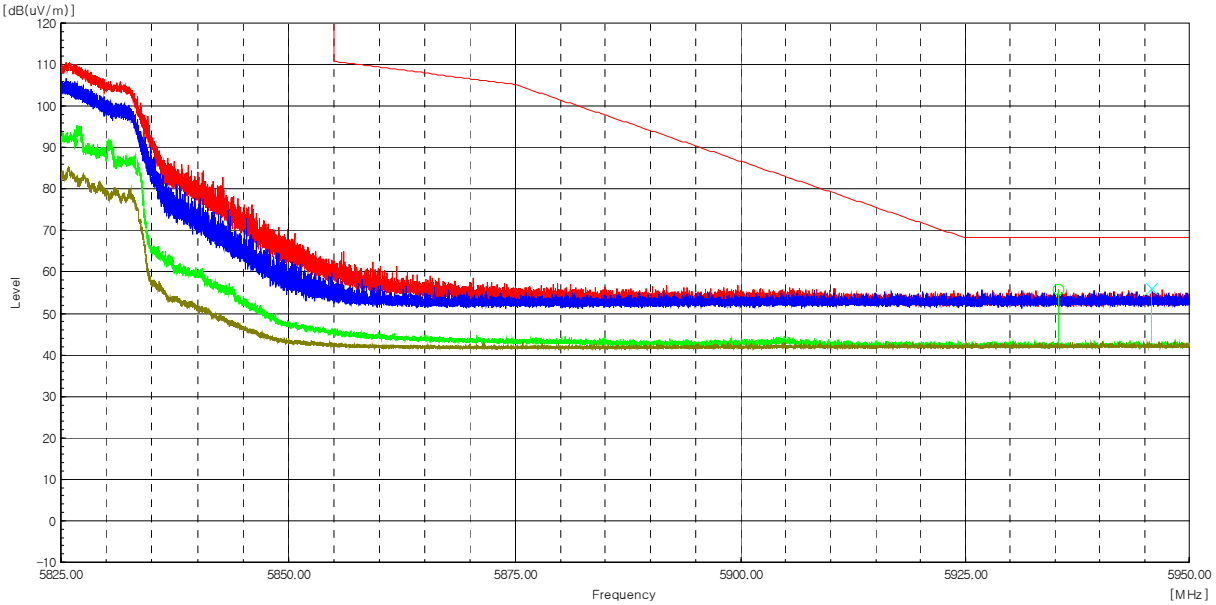
Worst Case Mode :	802.11a-ANT1
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 745 MHz
Channel :	149



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
5 632.883	H	50.3	4.1	-----	54.4	-----	68.2	-----	13.8	-----	Peak
5 632.251	V	50.0	4.1	-----	54.1	-----	68.2	-----	14.1	-----	Peak

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11a–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
5 935.37	H	50.8	5.0	-----	55.8	-----	68.2	-----	12.4	-----	Peak
5 945.76	V	50.8	5.1	-----	55.9	-----	68.2	-----	12.3	-----	Peak

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11a-ANT2

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)]	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.40(5 200 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.48(5 240 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.52(5 260 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.60(5 300 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.64(5 320 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.100(5 500 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.120(5 600 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.140(5 700 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.144(5 720 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.149(5 745 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.157(5 785 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.											

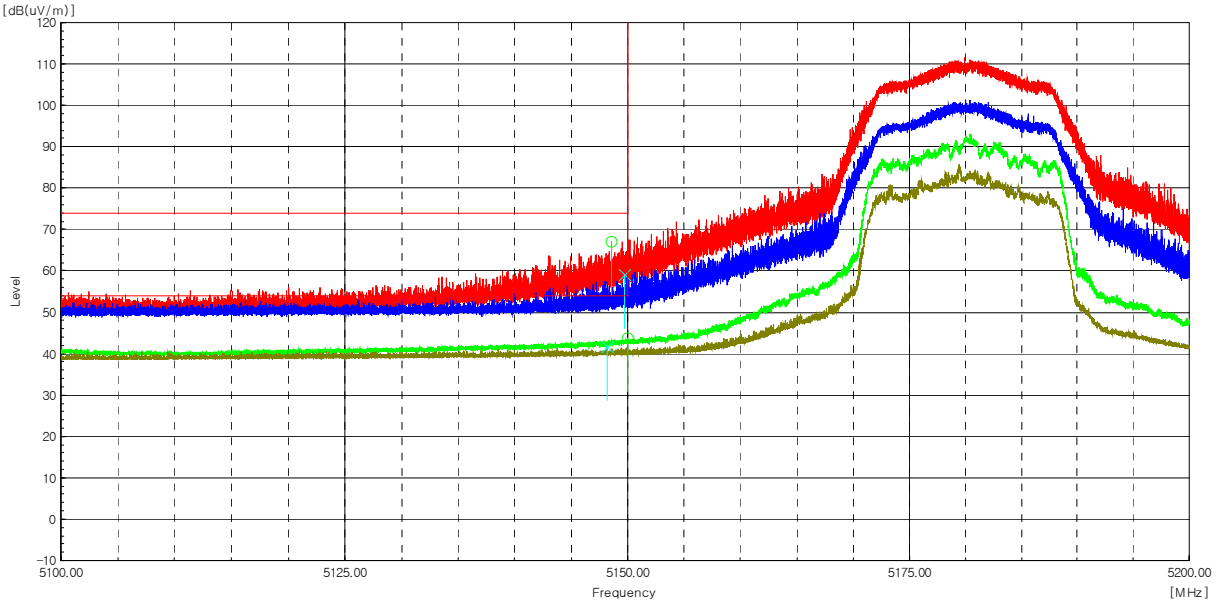
Ch.165(5 825 MHz)

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.											

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

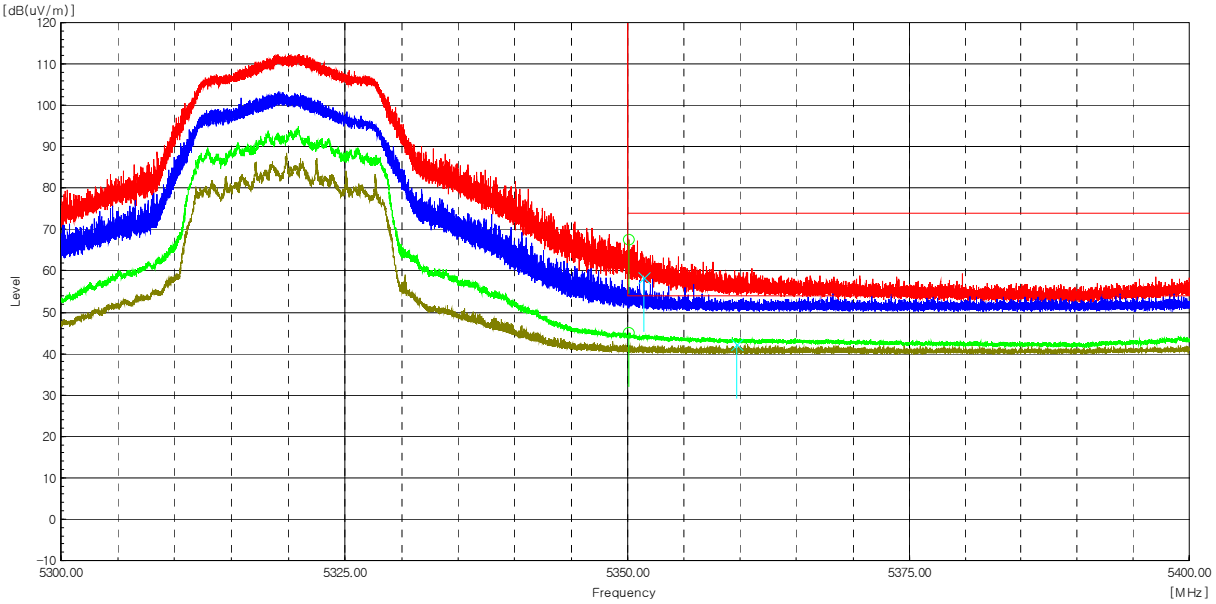
Worst Case Mode :	802.11a-ANT2
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 180 MHz
Channel :	36



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
5 148.54	H	64.4	2.7	-----	67.1	-----	74.0	-----	6.9	-----	Peak
5 149.97	H	41.1	2.7	0.7	-----	44.5	-----	54.0	-----	9.5	Average
5 149.67	V	56.3	2.7	-----	59.0	-----	74.0	-----	15.0	-----	Peak
5 148.18	V	38.9	2.7	0.7	-----	42.3	-----	54.0	-----	11.7	Average

Radiated Restricted Band Edge Plot

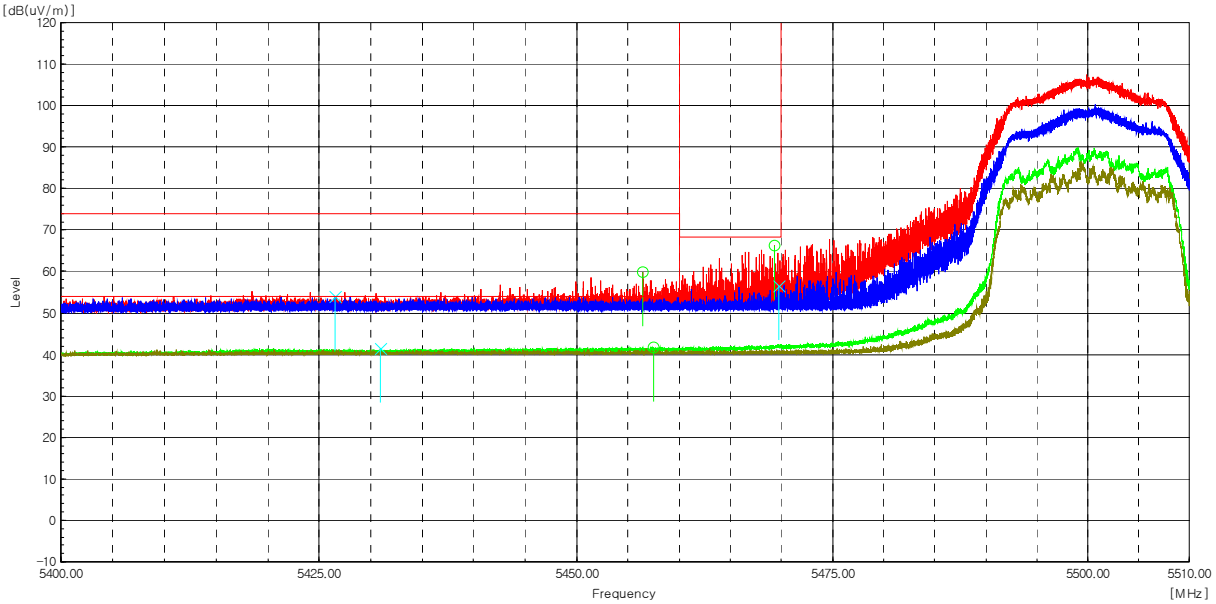
Worst Case Mode :	802.11a-ANT2
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 320 MHz
Channel :	64



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
5 350.06	H	64.7	2.9	-----	67.6	-----	74.0	-----	6.4	-----	Peak
5 350.07	H	42.2	2.9	0.7	-----	45.8	-----	54.0	-----	8.2	Average
5 351.44	V	55.3	2.9	-----	58.2	-----	74.0	-----	15.8	-----	Peak
5 359.72	V	39.3	2.9	0.7	-----	42.9	-----	54.0	-----	11.1	Average

Radiated Restricted Band Edge Plot

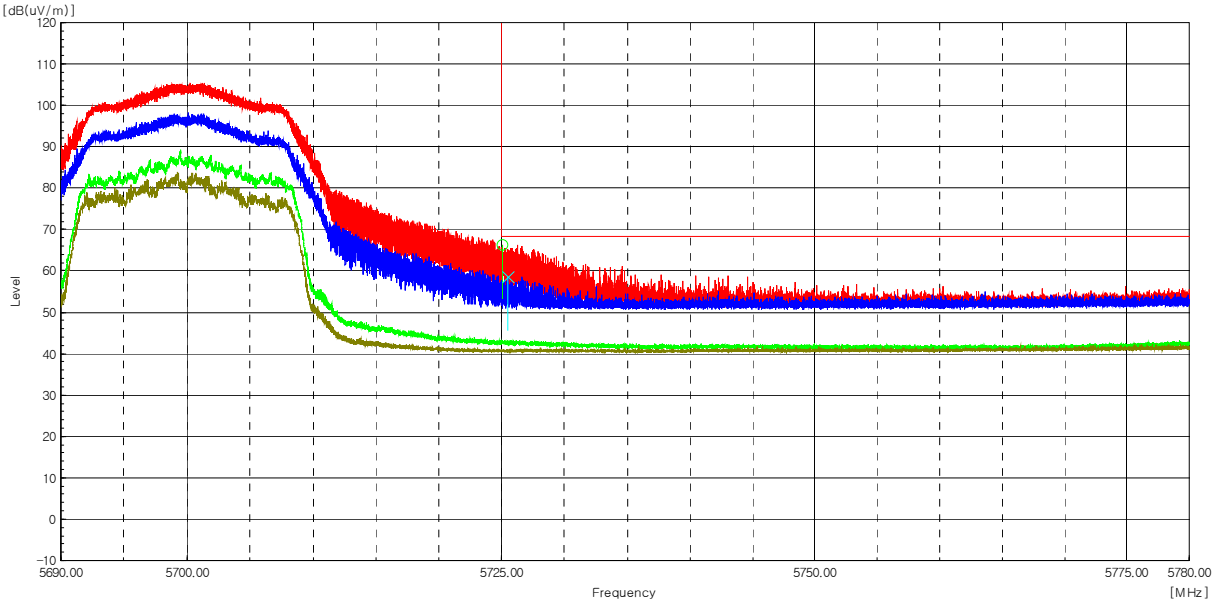
Worst Case Mode :	802.11a-ANT2
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 500 MHz
Channel :	100



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
5 469.29	H	62.5	3.8	-----	66.3	-----	68.2	-----	1.9	-----	Peak
5 469.74	V	52.8	3.8	-----	56.6	-----	68.2	-----	11.6	-----	Peak
5 456.49	H	56.1	3.8	-----	59.9	-----	74.0	-----	14.1	-----	Peak
5 457.55	H	38.0	3.8	0.7	-----	42.5	-----	54.0	-----	11.5	Average
5 426.56	V	50.4	3.7	-----	54.1	-----	74.0	-----	19.9	-----	Peak
5 430.94	V	37.7	3.7	0.7	-----	42.1	-----	54.0	-----	11.9	Average

Radiated Restricted Band Edge Plot

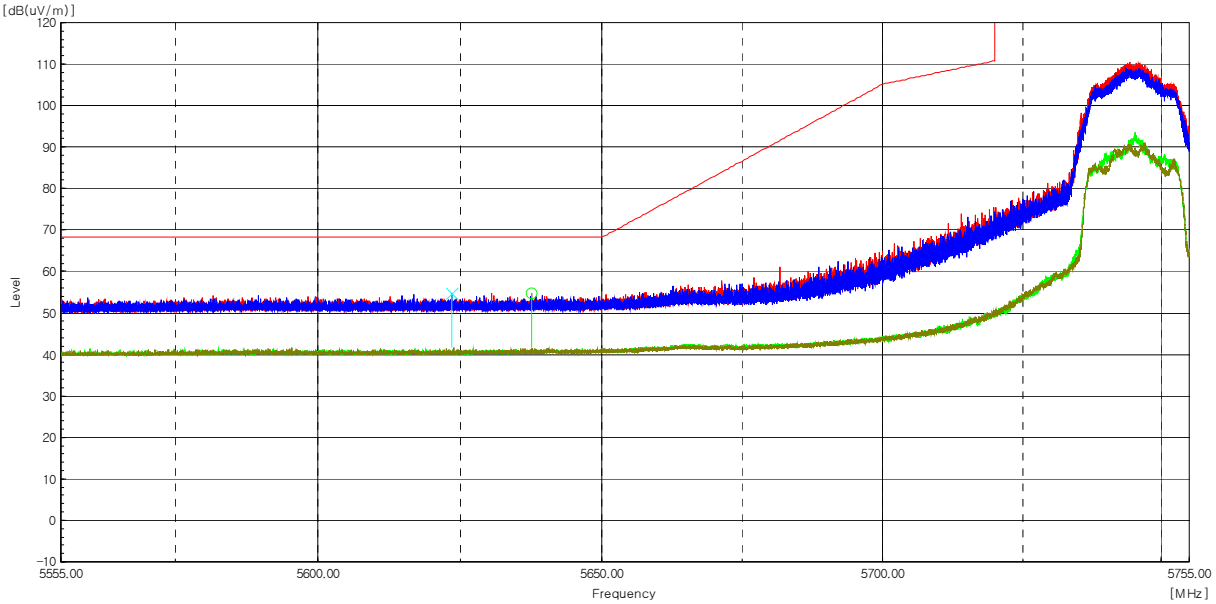
Worst Case Mode :	802.11a-ANT2
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 700 MHz
Channel :	140



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
5 725.08	H	62.5	3.8	-----	66.3	-----	68.2	-----	1.9	-----	Peak
5 725.49	V	54.9	3.8	-----	58.7	-----	68.2	-----	9.5	-----	Peak

Radiated Restricted Band Edge Plot

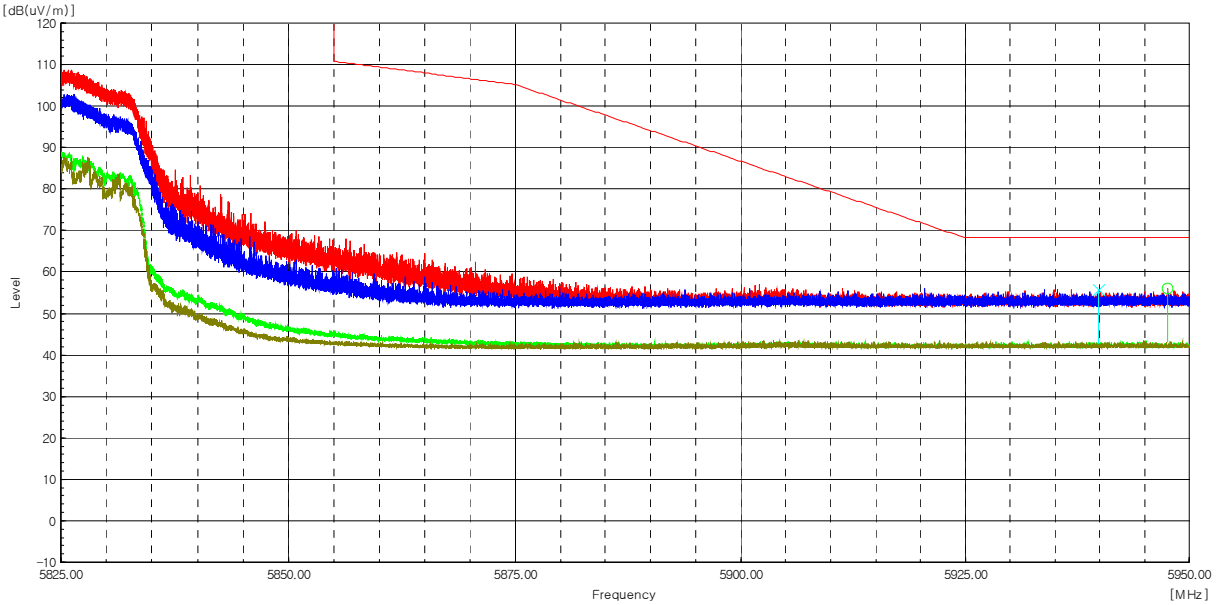
Worst Case Mode :	802.11a-ANT2
Worst Case Transfer Rate :	6 Mbps
Distance of Measurements :	3 Meters
Operating Frequency :	5 745 MHz
Channel :	149



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
5 637.644	H	50.7	4.1	-----	54.8	-----	68.2	-----	13.4	-----	Peak
5 623.499	V	50.6	4.1	-----	54.7	-----	68.2	-----	13.5	-----	Peak

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11a–ANT2
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
5 947.57	H	50.8	5.1	-----	55.9	-----	68.2	-----	12.3	-----	Peak
5 939.91	V	50.8	5.0	-----	55.8	-----	68.2	-----	12.4	-----	Peak

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11n_HT20

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)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
3 884.38	H	45.7	0.3	-----	46.0	-----	74.0	-----	28.0	-----	Peak
3 885.07	H	33.4	0.3	2.2	-----	35.9	-----	54.0	-----	18.1	Average
3 885.52	V	45.3	0.3	-----	45.6	-----	74.0	-----	28.4	-----	Peak
3 885.08	V	33.1	0.3	2.2	-----	35.6	-----	54.0	-----	18.4	Average

Ch.40(5 200 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
3 899.98	H	45.5	0.3	-----	45.8	-----	74.0	-----	28.2	-----	Peak
3 899.95	H	33.7	0.3	2.2	-----	36.2	-----	54.0	-----	17.8	Average
3 899.87	V	45.5	0.3	-----	45.8	-----	74.0	-----	28.2	-----	Peak
3 899.65	V	33.0	0.3	2.2	-----	35.5	-----	54.0	-----	18.5	Average

Ch.48(5 240 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
3 929.99	H	46.0	0.3	-----	46.3	-----	74.0	-----	27.7	-----	Peak
3 929.91	H	33.7	0.3	2.2	-----	36.2	-----	54.0	-----	17.8	Average
3 931.27	V	45.6	0.3	-----	45.9	-----	74.0	-----	28.1	-----	Peak
3 930.32	V	33.4	0.3	2.2	-----	35.9	-----	54.0	-----	18.1	Average

Ch.52(5 260 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
3 947.74	H	46.6	0.2	-----	46.8	-----	74.0	-----	27.2	-----	Peak
3 944.95	H	34.2	0.2	2.2	-----	36.6	-----	54.0	-----	17.4	Average
3 945.20	V	46.1	0.2	-----	46.3	-----	74.0	-----	27.7	-----	Peak
3 945.08	V	33.7	0.2	2.2	-----	36.1	-----	54.0	-----	17.9	Average

Ch.60(5 300 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
3 974.81	H	46.9	0.1	-----	47.0	-----	74.0	-----	27.0	-----	Peak
3 975.07	H	34.7	0.1	2.2	-----	37.0	-----	54.0	-----	17.0	Average
3 975.20	V	46.3	0.1	-----	46.4	-----	74.0	-----	27.6	-----	Peak
3 974.99	V	34.5	0.1	2.2	-----	36.8	-----	54.0	-----	17.2	Average

Ch.64(5 320 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
3 989.94	H	46.8	0.1	-----	46.9	-----	74.0	-----	27.1	-----	Peak
3 989.97	H	34.8	0.1	2.2	-----	37.1	-----	54.0	-----	16.9	Average
3 990.19	V	47.9	0.1	-----	48.0	-----	74.0	-----	26.0	-----	Peak
3 989.91	V	34.7	0.1	2.2	-----	37.0	-----	54.0	-----	17.0	Average

Ch.100(5 500 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
4 124.89	H	47.6	0.7	-----	48.3	-----	74.0	-----	25.7	-----	Peak
4 125.04	H	36.8	0.7	2.2	-----	39.7	-----	54.0	-----	14.3	Average
4 125.05	V	47.3	0.7	-----	48.0	-----	74.0	-----	26.0	-----	Peak
4 125.04	V	35.8	0.7	2.2	-----	38.7	-----	54.0	-----	15.3	Average

Ch.120(5 600 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.140(5 700 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.144(5 720 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.149(5 745 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.157(5 785 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.											

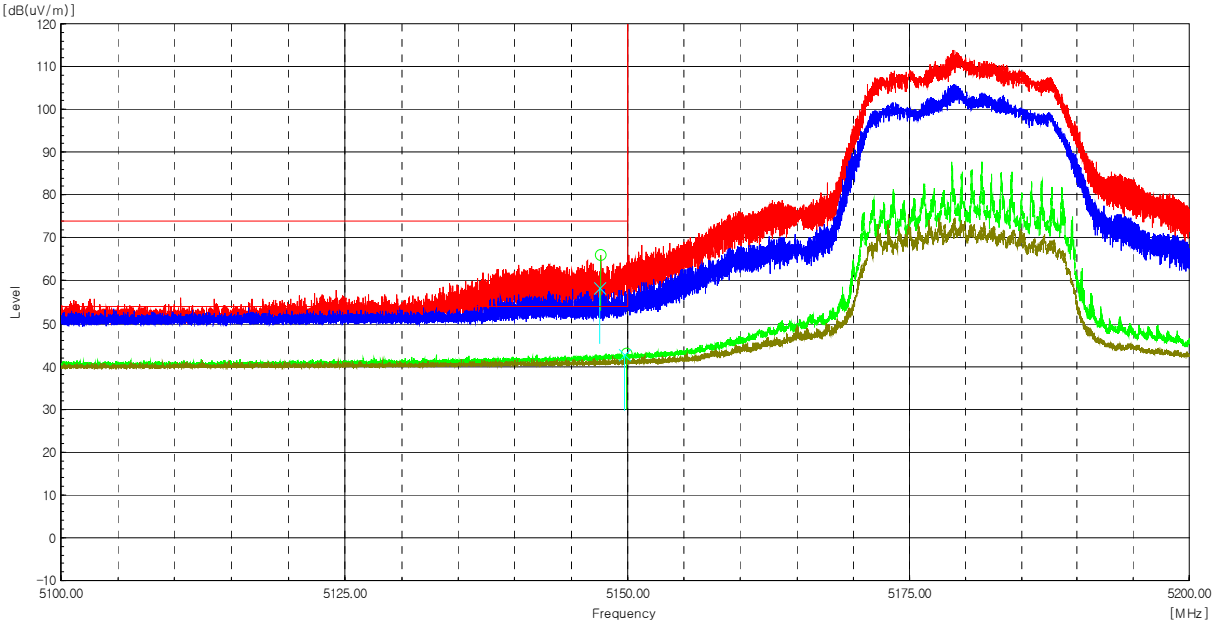
Ch.165(5 825 MHz)

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.											

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

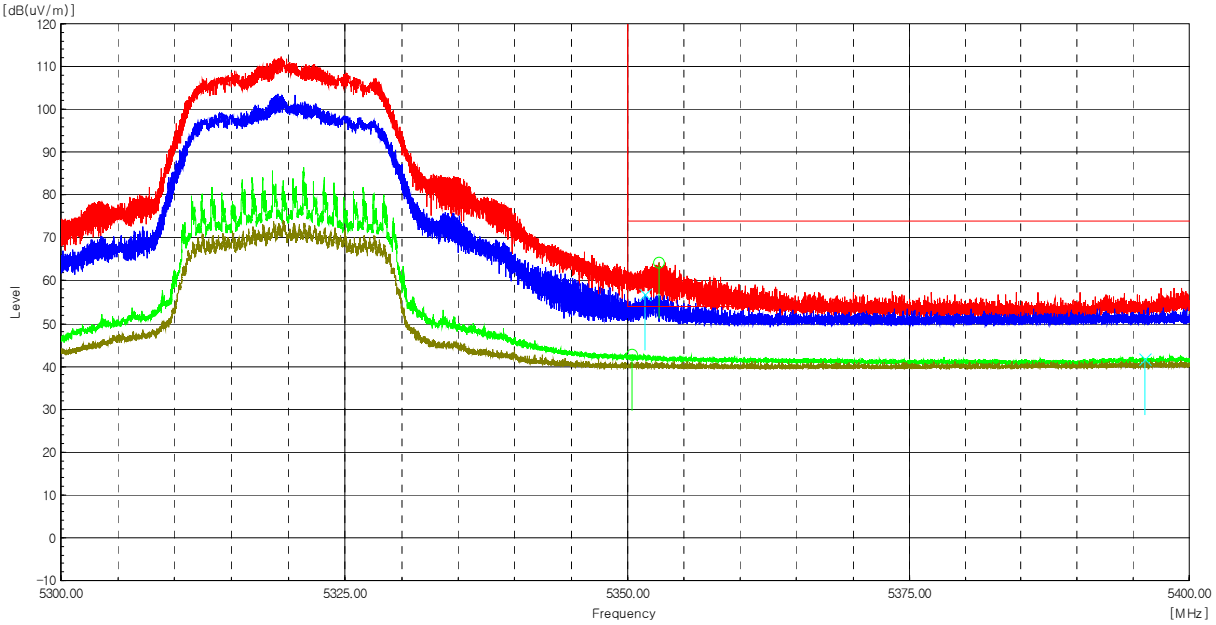
Worst Case Mode :	802.11n_HT20
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 180 MHz
Channel :	36



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
5 147.65	H	63.3	2.7	-----	66.0	-----	74.0	-----	8.0	-----	Peak
5 149.91	H	40.4	2.7	2.2	-----	45.3	-----	54.0	-----	8.7	Average
5 147.54	V	55.7	2.7	-----	58.4	-----	74.0	-----	15.6	-----	Peak
5 149.69	V	39.9	2.7	2.2	-----	44.8	-----	54.0	-----	9.2	Average

Radiated Restricted Band Edge Plot

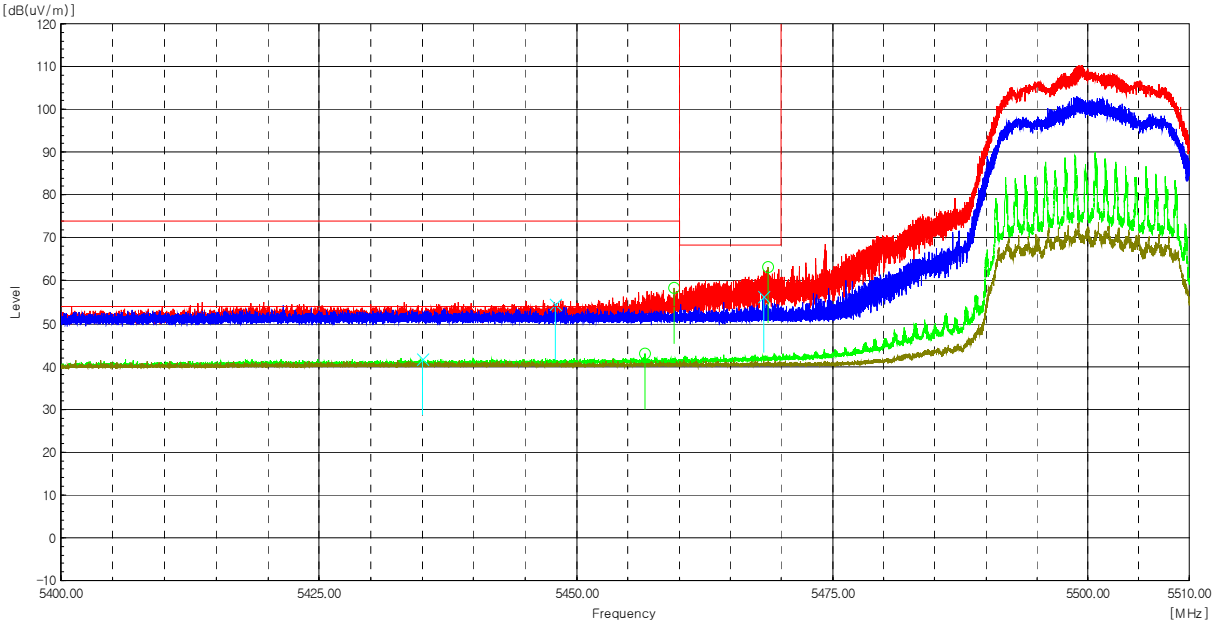
Worst Case Mode :	802.11n_HT20
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 320 MHz
Channel :	64



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
5 352.81	H	61.3	2.9	-----	64.2	-----	74.0	-----	9.8	-----	Peak
5 350.36	H	39.9	2.9	2.2	-----	45.0	-----	54.0	-----	9.0	Average
5 351.54	V	54.0	2.9	-----	56.9	-----	74.0	-----	17.1	-----	Peak
5 396.08	V	38.3	3.3	2.2	-----	43.8	-----	54.0	-----	10.2	Average

Radiated Restricted Band Edge Plot

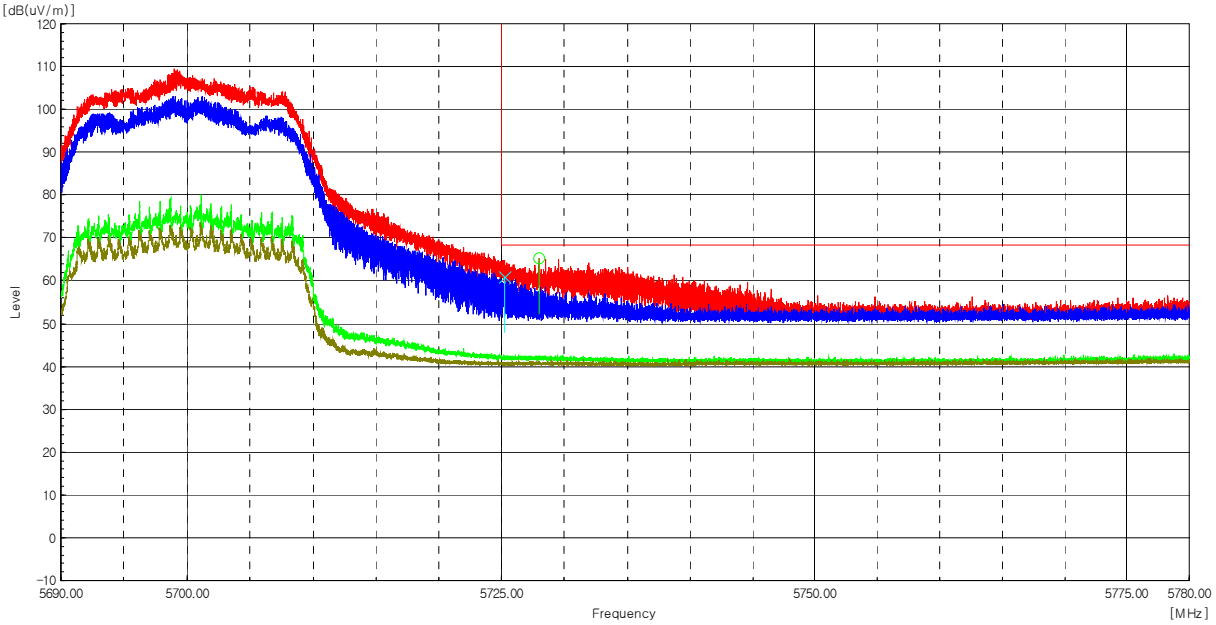
Worst Case Mode :	802.11n_HT20
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 500 MHz
Channel :	100



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
5 468.71	H	59.5	3.8	-----	63.3	-----	68.2	-----	4.9	-----	Peak
5 468.28	V	52.4	3.8	-----	56.2	-----	68.2	-----	12.0	-----	Peak
5 459.54	H	54.4	3.8	-----	58.2	-----	74.0	-----	15.8	-----	Peak
5 456.71	H	39.2	3.8	2.2	-----	45.2	-----	54.0	-----	8.8	Average
5 447.93	V	50.6	3.8	-----	54.4	-----	74.0	-----	19.6	-----	Peak
5 434.98	V	37.8	3.8	2.2	-----	43.8	-----	54.0	-----	10.2	Average

Radiated Restricted Band Edge Plot

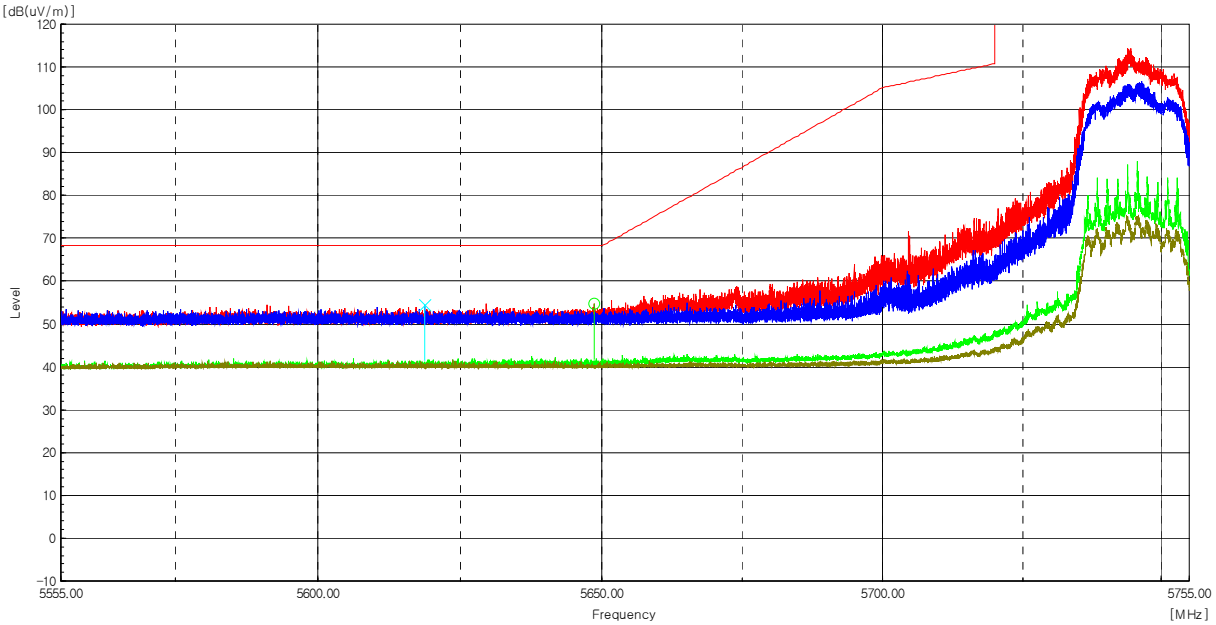
Worst Case Mode :	802.11n_HT20
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 700 MHz
Channel :	140



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
5 728.02	H	61.2	3.9	-----	65.1	-----	68.2	-----	3.1	-----	Peak
5 725.21	V	57.1	3.8	-----	60.9	-----	68.2	-----	7.3	-----	Peak

Radiated Restricted Band Edge Plot

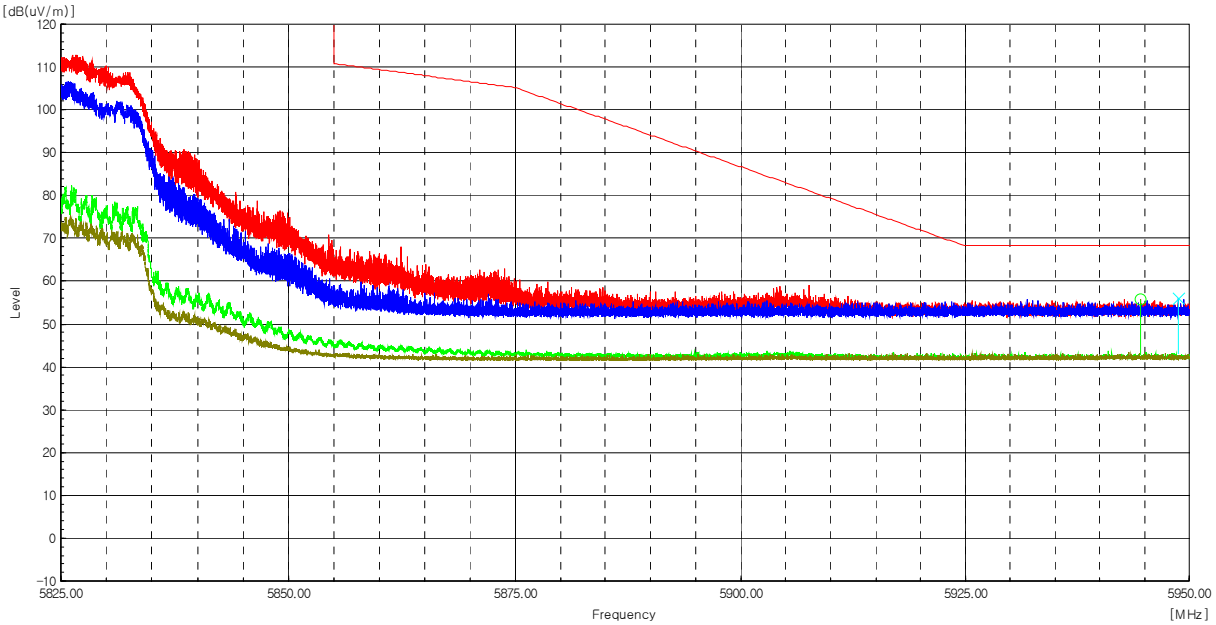
Worst Case Mode :	802.11n_HT20
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 745 MHz
Channel :	149



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
5 648.60	H	50.8	4.0	-----	54.8	-----	68.2	-----	13.4	-----	Peak
5 618.65	V	50.5	4.1	-----	54.6	-----	68.2	-----	13.6	-----	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 :	5 825 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
5 944.53	H	50.5	5.1	-----	55.6	-----	68.2	-----	12.6	-----	Peak
5 948.79	V	50.8	5.1	-----	55.9	-----	68.2	-----	12.3	-----	Peak

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ac_VHT20

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)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
3 885.07	H	45.6	0.3	-----	45.9	-----	74.0	-----	28.1	-----	Peak
3 885.00	H	33.4	0.3	2.1	-----	35.8	-----	54.0	-----	18.2	Average
3 885.13	V	45.8	0.3	-----	46.1	-----	74.0	-----	27.9	-----	Peak
3 885.12	V	33.0	0.3	2.1	-----	35.4	-----	54.0	-----	18.6	Average

Ch.40(5 200 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
3 900.30	H	46.4	0.3	-----	46.7	-----	74.0	-----	27.3	-----	Peak
3 900.14	H	33.5	0.3	2.1	-----	35.9	-----	54.0	-----	18.1	Average
3 899.52	V	46.0	0.3	-----	46.3	-----	74.0	-----	27.7	-----	Peak
3 900.02	V	33.0	0.3	2.1	-----	35.4	-----	54.0	-----	18.6	Average

Ch.48(5 240 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
3 929.93	H	45.8	0.3	-----	46.1	-----	74.0	-----	27.9	-----	Peak
3 930.28	H	33.7	0.3	2.1	-----	36.1	-----	54.0	-----	17.9	Average
3 929.69	V	46.3	0.3	-----	46.6	-----	74.0	-----	27.4	-----	Peak
3 930.08	V	33.3	0.3	2.1	-----	35.7	-----	54.0	-----	18.3	Average

Ch.52(5 260 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
3 945.01	H	46.1	0.2	-----	46.3	-----	74.0	-----	27.7	-----	Peak
3 945.07	H	34.1	0.2	2.1	-----	36.4	-----	54.0	-----	17.6	Average
3 944.74	V	46.4	0.2	-----	46.6	-----	74.0	-----	27.4	-----	Peak
3 945.28	V	33.8	0.2	2.1	-----	36.1	-----	54.0	-----	17.9	Average

Ch.60(5 300 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
3 974.85	H	46.4	0.1	-----	46.5	-----	74.0	-----	27.5	-----	Peak
3 975.13	H	34.9	0.1	2.1	-----	37.1	-----	54.0	-----	16.9	Average
3 974.75	V	46.9	0.1	-----	47.0	-----	74.0	-----	27.0	-----	Peak
3 975.09	V	34.5	0.1	2.1	-----	36.7	-----	54.0	-----	17.3	Average

Ch.64(5 320 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
3 990.26	H	46.8	0.1	-----	46.9	-----	74.0	-----	27.1	-----	Peak
3 989.95	H	35.1	0.1	2.1	-----	37.3	-----	54.0	-----	16.7	Average
3 990.17	V	47.3	0.1	-----	47.4	-----	74.0	-----	26.6	-----	Peak
3 990.01	V	34.9	0.1	2.1	-----	37.1	-----	54.0	-----	16.9	Average

Ch.100(5 500 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
4 125.15	H	47.6	0.7	-----	48.3	-----	74.0	-----	25.7	-----	Peak
4 124.96	H	36.6	0.7	2.1	-----	39.4	-----	54.0	-----	14.6	Average
4 124.89	V	47.5	0.7	-----	48.2	-----	74.0	-----	25.8	-----	Peak
4 125.13	V	36.1	0.7	2.1	-----	38.9	-----	54.0	-----	15.1	Average

Ch.120(5 600 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.140(5 700 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.144(5 720 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.149(5 745 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.157(5 785 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.											

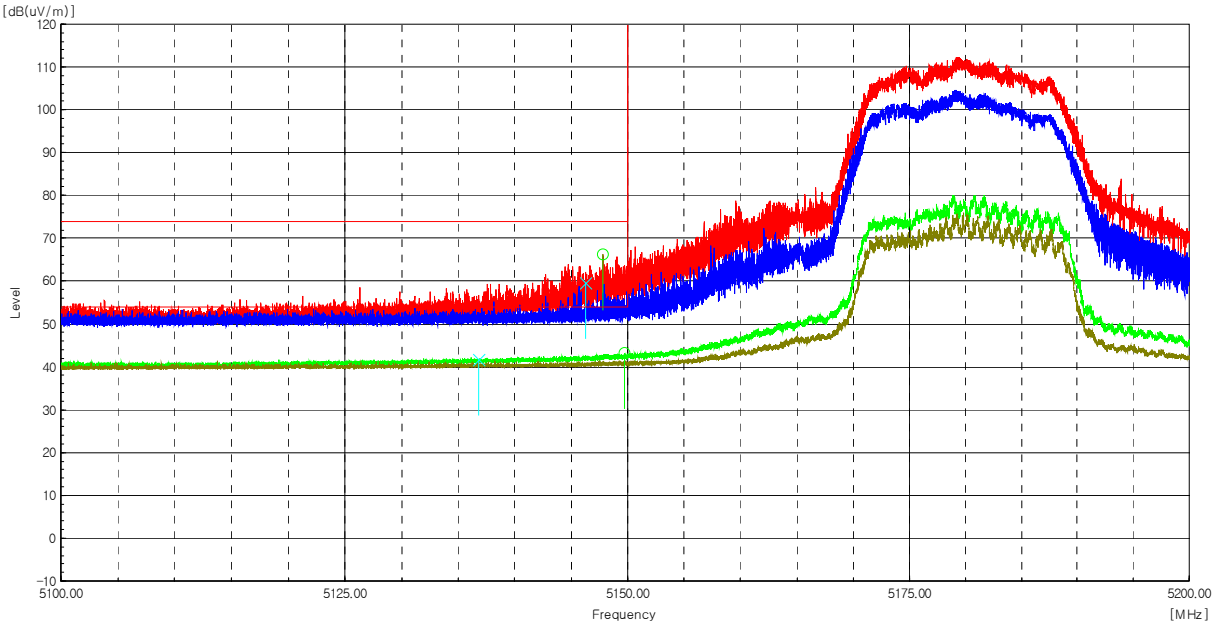
Ch.165(5 825 MHz)

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.											

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

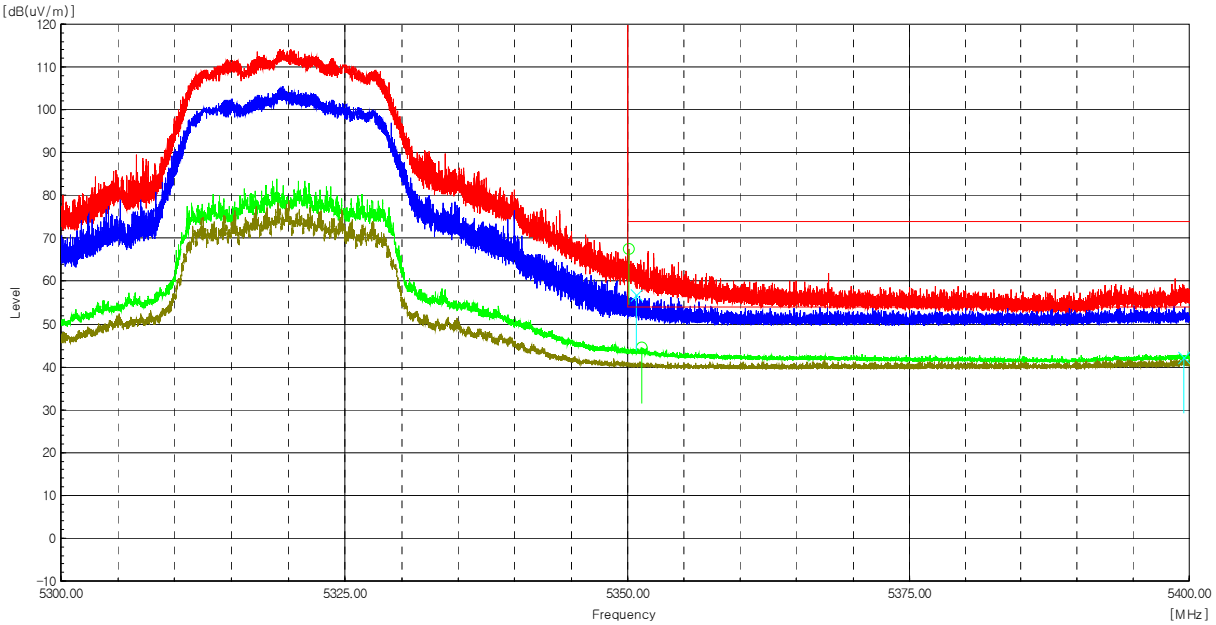
Worst Case Mode :	802.11ac_VHT20
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 180 MHz
Channel :	36



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
5 147.82	H	63.5	2.7	-----	66.2	-----	74.0	-----	7.8	-----	Peak
5 149.68	H	40.4	2.7	2.1	-----	45.2	-----	54.0	-----	8.8	Average
5 146.24	V	56.9	2.7	-----	59.6	-----	74.0	-----	14.4	-----	Peak
5 136.83	V	38.9	2.7	2.1	-----	43.7	-----	54.0	-----	10.3	Average

Radiated Restricted Band Edge Plot

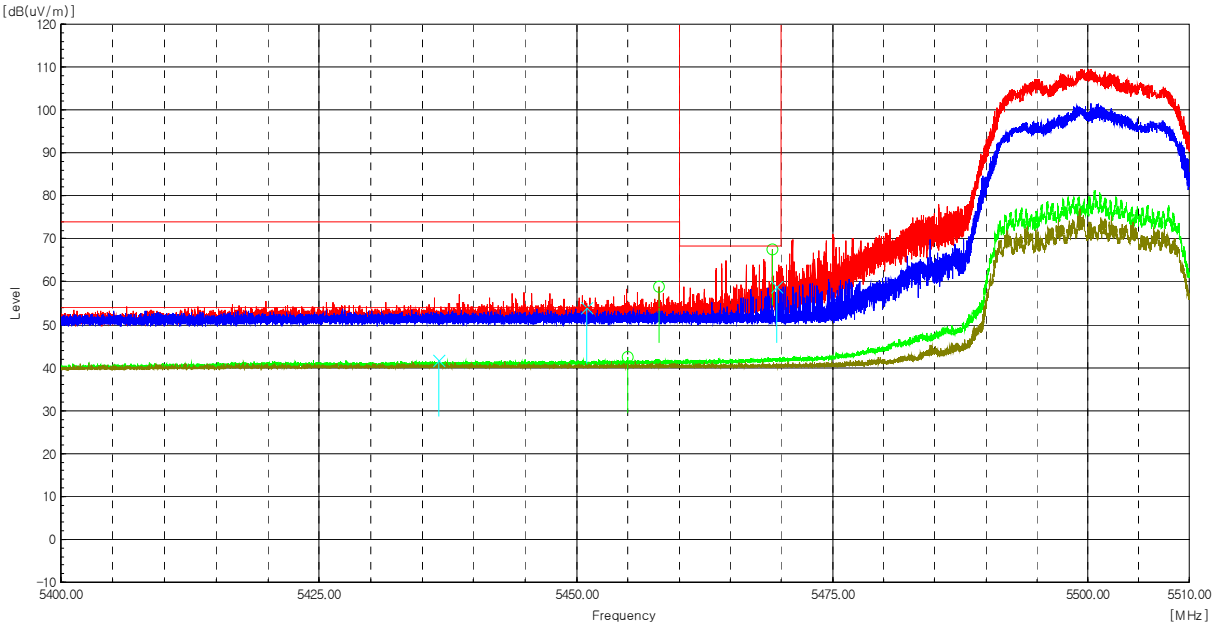
Worst Case Mode :	802.11ac_VHT20
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 320 MHz
Channel :	64



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
5 350.14	H	64.5	2.9	-----	67.4	-----	74.0	-----	6.6	-----	Peak
5 351.23	H	41.6	2.9	2.1	-----	46.6	-----	54.0	-----	7.4	Average
5 350.74	V	53.8	2.9	-----	56.7	-----	74.0	-----	17.3	-----	Peak
5 399.54	V	38.8	3.3	2.1	-----	44.2	-----	54.0	-----	9.8	Average

Radiated Restricted Band Edge Plot

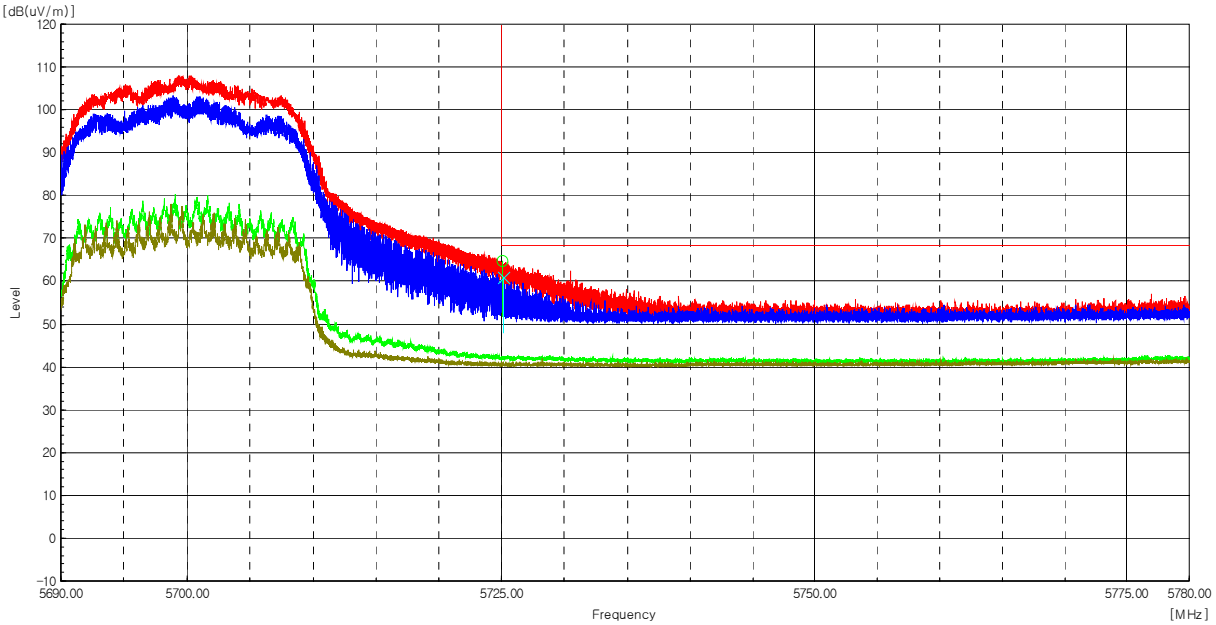
Worst Case Mode :	802.11ac_VHT20
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 500 MHz
Channel :	100



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
5 469.11	H	63.7	3.8	-----	67.5	-----	68.2	-----	0.7	-----	Peak
5 469.56	V	55.0	3.8	-----	58.8	-----	68.2	-----	9.4	-----	Peak
5 458.03	H	54.9	3.8	-----	58.7	-----	74.0	-----	15.3	-----	Peak
5 455.03	H	38.6	3.8	2.1	-----	44.5	-----	54.0	-----	9.5	Average
5 450.97	V	50.1	3.8	-----	53.9	-----	74.0	-----	20.1	-----	Peak
5 436.57	V	37.8	3.8	2.1	-----	43.7	-----	54.0	-----	10.3	Average

Radiated Restricted Band Edge Plot

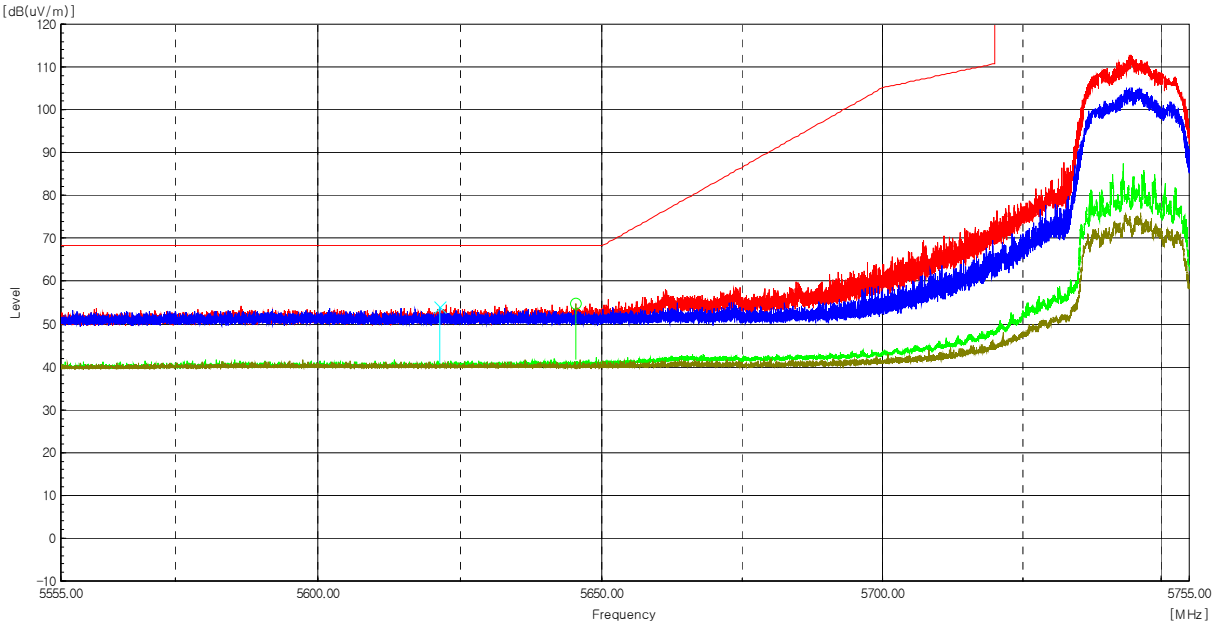
Worst Case Mode :	802.11ac_VHT20
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 700 MHz
Channel :	140



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
5 725.03	H	60.8	3.8	-----	64.6	-----	68.2	-----	3.6	-----	Peak
5 725.10	V	57.1	3.8	-----	60.9	-----	68.2	-----	7.3	-----	Peak

Radiated Restricted Band Edge Plot

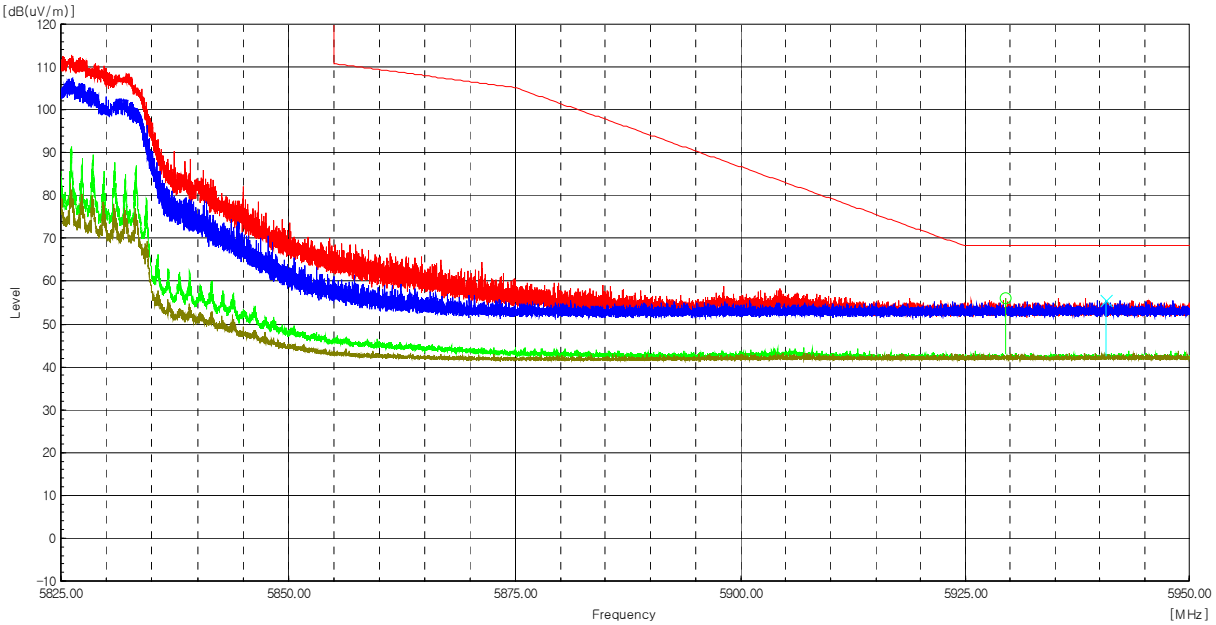
Worst Case Mode :	802.11ac_VHT20
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 745 MHz
Channel :	149



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
5 645.32	H	50.9	4.0	-----	54.9	-----	68.2	-----	13.3	-----	Peak
5 621.46	V	49.9	4.1	-----	54.0	-----	68.2	-----	14.2	-----	Peak

Radiated Restricted Band Edge Plot

Worst Case Mode :	802.11ac_VHT20
Worst Case Transfer Rate :	MNSS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 825 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
5 929.44	H	51.1	5.0	-----	56.1	-----	68.2	-----	12.1	-----	Peak
5 940.71	V	50.4	5.1	-----	55.5	-----	68.2	-----	12.7	-----	Peak

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE20_26T

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)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
3 885.59	H	46.9	0.3	-----	47.2	-----	74.0	-----	26.8	-----	Peak
3 885.25	H	35.0	0.3	0.1	-----	35.4	-----	54.0	-----	18.6	Average
3 885.69	V	47.3	0.3	-----	47.6	-----	74.0	-----	26.4	-----	Peak
3 885.11	V	34.6	0.3	0.1	-----	35.0	-----	54.0	-----	19.0	Average

Ch.40(5 200 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
3 900.56	H	47.4	0.3	-----	47.7	-----	74.0	-----	26.3	-----	Peak
3 900.21	H	35.2	0.3	0.1	-----	35.6	-----	54.0	-----	18.4	Average
3 908.15	V	46.4	0.3	-----	46.7	-----	74.0	-----	27.3	-----	Peak
3 899.94	V	34.8	0.3	0.1	-----	35.2	-----	54.0	-----	18.8	Average

Ch.48(5 240 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
3 929.91	H	47.4	0.3	-----	47.7	-----	74.0	-----	26.3	-----	Peak
3 930.08	H	35.5	0.3	0.1	-----	35.9	-----	54.0	-----	18.1	Average
3 925.51	V	46.9	0.3	-----	47.2	-----	74.0	-----	26.8	-----	Peak
3 930.08	V	35.3	0.3	0.1	-----	35.7	-----	54.0	-----	18.3	Average

Ch.52(5 260 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
3 945.13	H	46.1	0.2	-----	46.3	-----	74.0	-----	27.7	-----	Peak
3 945.16	H	34.9	0.2	0.1	-----	35.2	-----	54.0	-----	18.8	Average
3 945.32	V	46.0	0.2	-----	46.2	-----	74.0	-----	27.8	-----	Peak
3 944.97	V	34.5	0.2	0.1	-----	34.8	-----	54.0	-----	19.2	Average

Ch.60(5 300 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
3 975.04	H	46.9	0.1	-----	47.0	-----	74.0	-----	27.0	-----	Peak
3 974.98	H	35.5	0.1	0.1	-----	35.7	-----	54.0	-----	18.3	Average
3 975.28	V	46.4	0.1	-----	46.5	-----	74.0	-----	27.5	-----	Peak
3 975.14	V	35.5	0.1	0.1	-----	35.7	-----	54.0	-----	18.3	Average

Ch.64(5 320 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
3 990.11	H	47.0	0.1	-----	47.1	-----	74.0	-----	26.9	-----	Peak
3 990.05	H	35.7	0.1	0.1	-----	35.9	-----	54.0	-----	18.1	Average
3 990.03	V	46.9	0.1	-----	47.0	-----	74.0	-----	27.0	-----	Peak
3 990.01	V	35.6	0.1	0.1	-----	35.8	-----	54.0	-----	18.2	Average

Ch.100(5 500 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
4 125.19	H	47.7	0.7	-----	48.4	-----	74.0	-----	25.6	-----	Peak
4 124.97	H	38.7	0.7	0.1	-----	39.5	-----	54.0	-----	14.5	Average
4 124.71	V	47.4	0.7	-----	48.1	-----	74.0	-----	25.9	-----	Peak
4 124.98	V	37.4	0.7	0.1	-----	38.2	-----	54.0	-----	15.8	Average

Ch.120(5 600 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.140(5 700 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.144(5 720 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.149(5 745 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.157(5 785 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.											

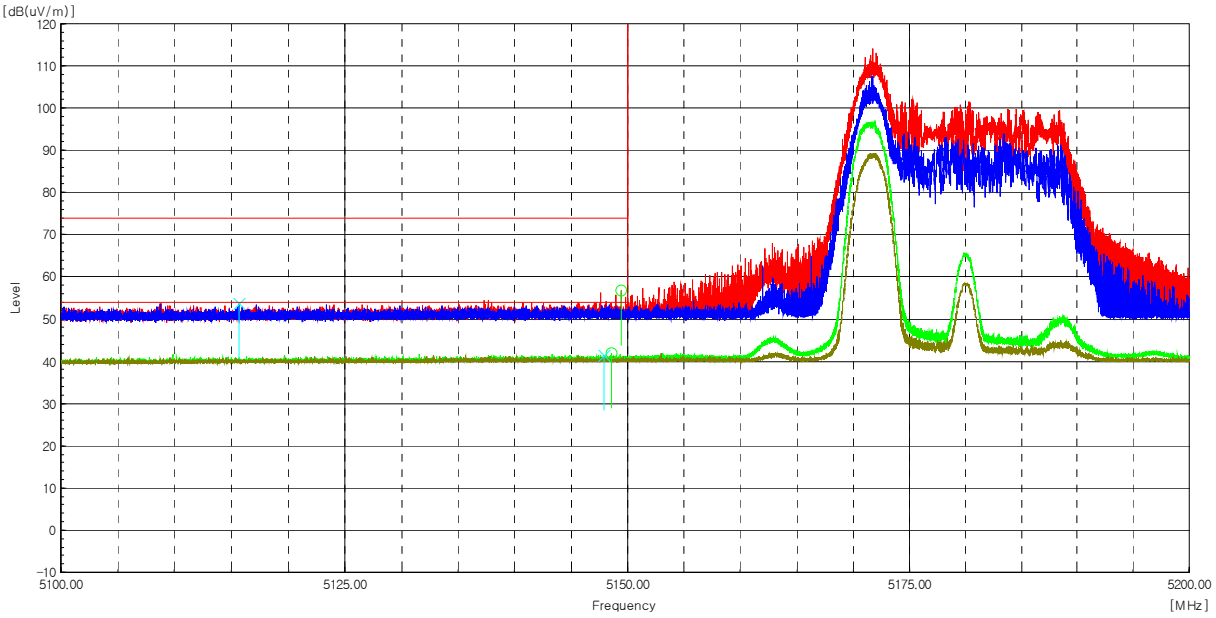
Ch.165(5 825 MHz)

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.											

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

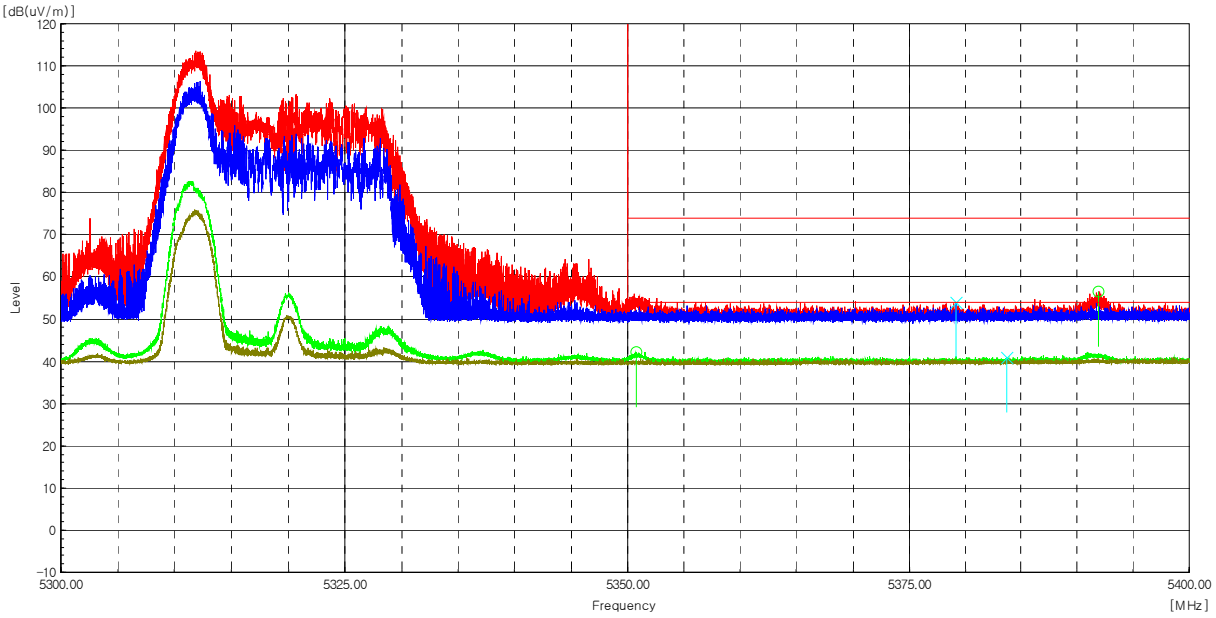
Worst Case Mode :	802.11ax_HE20_26T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 180 MHz
Channel :	36



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
5 149.39	H	54.0	2.7	-----	56.7	-----	74.0	-----	17.3	-----	Peak
5 148.59	H	39.2	2.7	0.1	-----	42.0	-----	54.0	-----	12.0	Average
5 115.63	V	51.1	2.6	-----	53.7	-----	74.0	-----	20.3	-----	Peak
5 147.92	V	38.8	2.7	0.1	-----	41.5	-----	54.0	-----	12.5	Average

Radiated Restricted Band Edge Plot

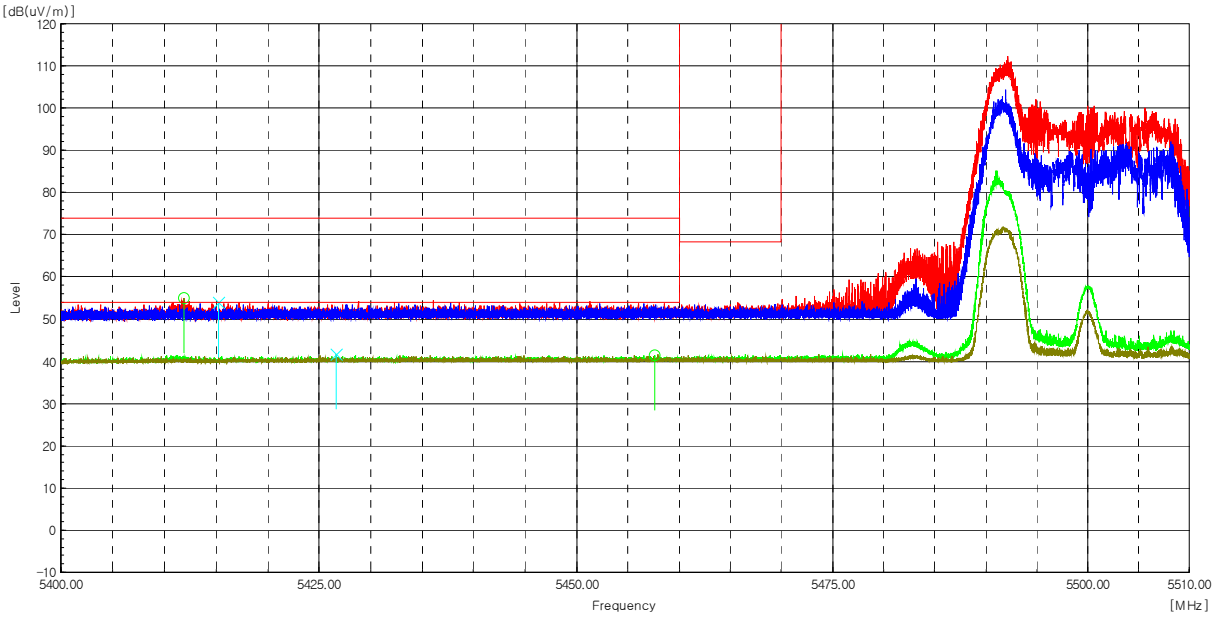
Worst Case Mode :	802.11ax_HE20_26T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 320 MHz
Channel :	64



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
5 391.91	H	53.3	3.2	-----	56.5	-----	74.0	-----	17.5	-----	Peak
5 350.77	H	39.4	2.9	0.1	-----	42.3	-----	54.0	-----	11.7	Average
5 379.16	V	50.9	3.1	-----	54.0	-----	74.0	-----	20.0	-----	Peak
5 383.70	V	37.8	3.1	0.1	-----	40.9	-----	54.0	-----	13.1	Average

Radiated Restricted Band Edge Plot

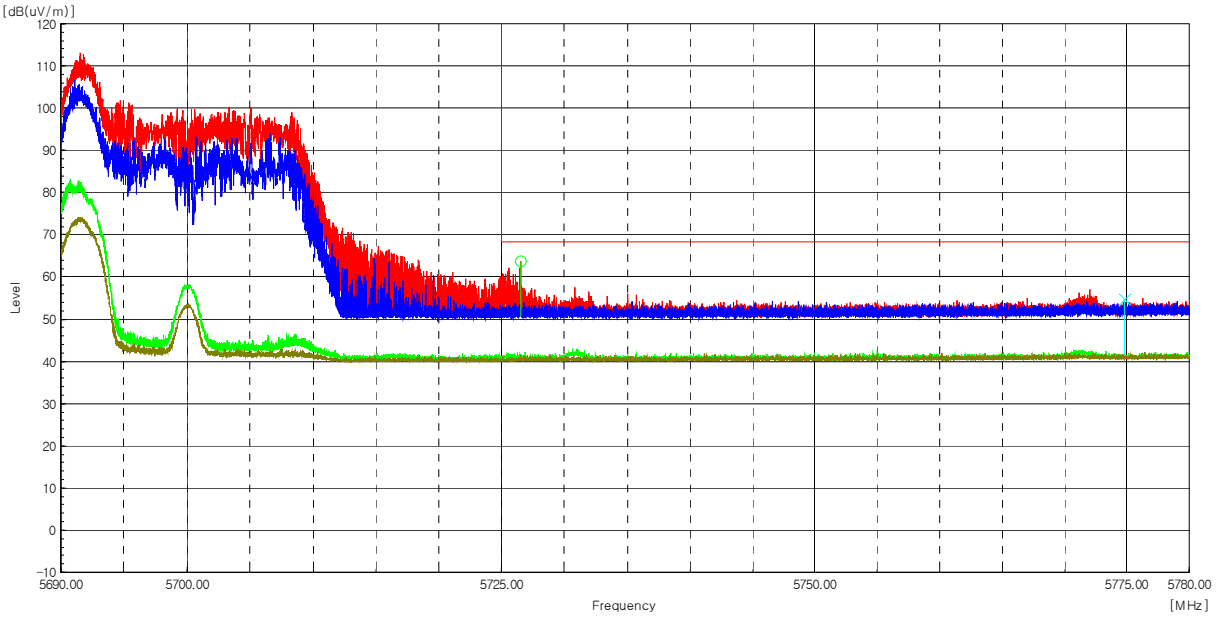
Worst Case Mode :	802.11ax_HE20_26T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 500 MHz
Channel :	100



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
5 411.88	H	51.4	3.5	-----	54.9	-----	74.0	-----	19.1	-----	Peak
5 457.59	H	37.8	3.8	0.1	-----	41.6	-----	54.0	-----	12.4	Average
5 415.20	V	50.5	3.5	-----	54.0	-----	74.0	-----	20.0	-----	Peak
5 426.65	V	38.1	3.7	0.1	-----	41.8	-----	54.0	-----	12.2	Average

Radiated Restricted Band Edge Plot

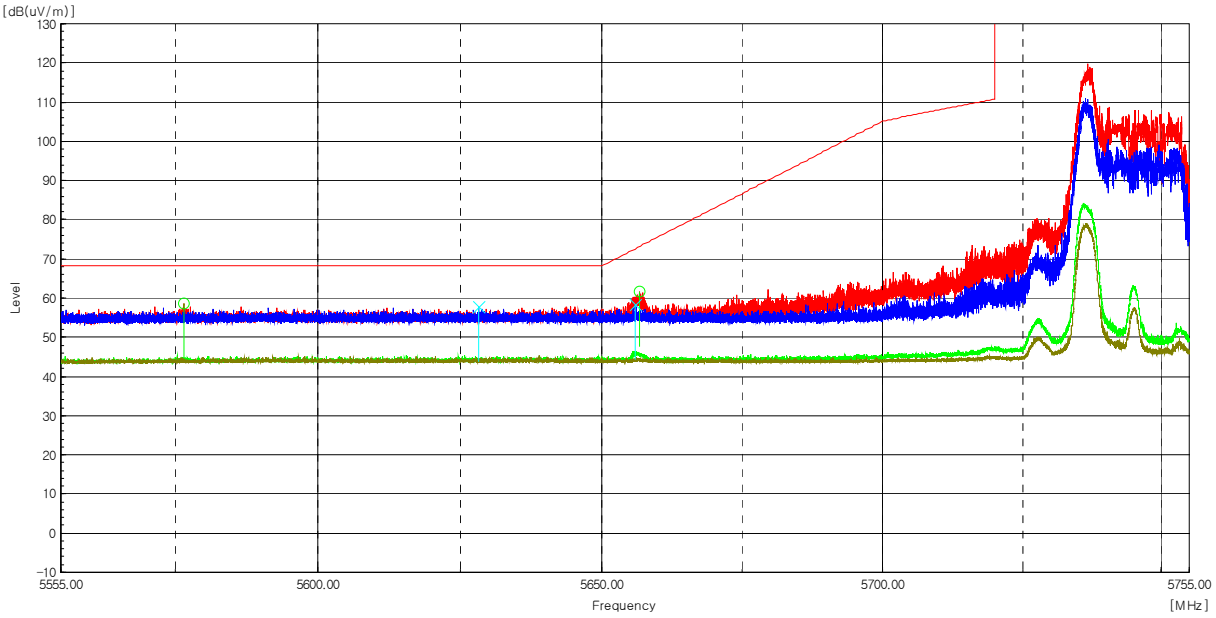
Worst Case Mode :	802.11ax_HE20_26T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 700 MHz
Channel :	140



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
5 726.50	H	59.8	3.9	-----	63.7	-----	68.2	-----	4.5	-----	Peak
5 774.80	V	50.5	4.2	-----	54.7	-----	68.2	-----	13.5	-----	Peak

Radiated Restricted Band Edge Plot

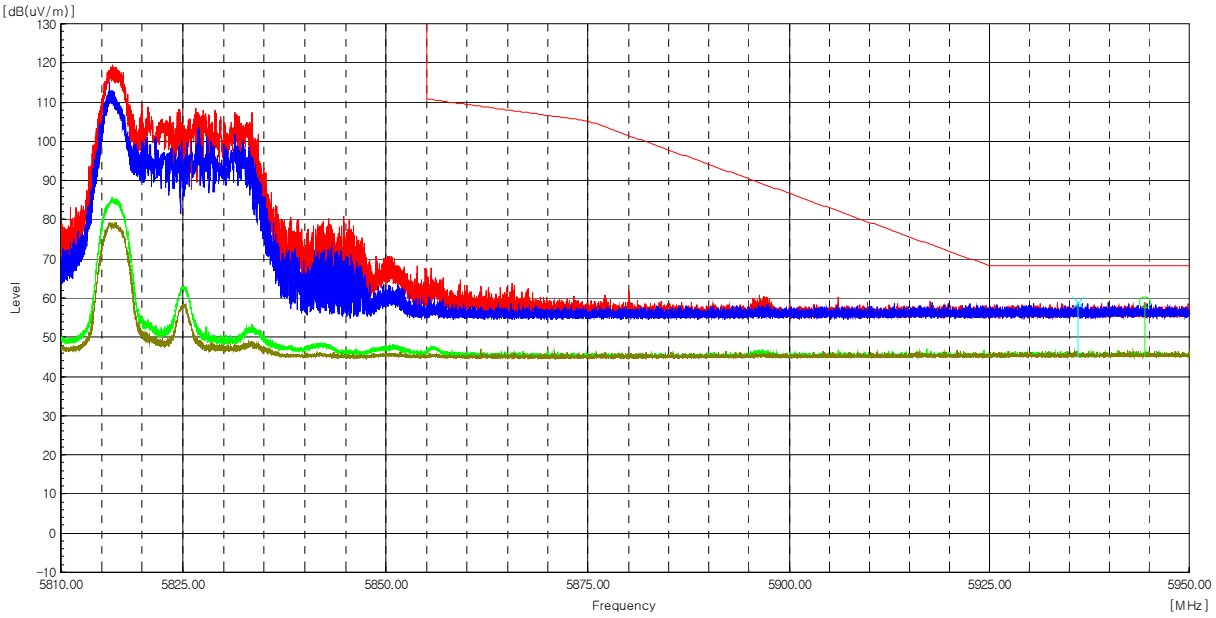
Worst Case Mode :	802.11ax_HE20_26T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 745 MHz
Channel :	149



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
5 576.39	H	54.9	3.9	-----	58.8	-----	68.2	-----	9.4	-----	Peak
5 628.31	V	53.8	4.1	-----	57.9	-----	68.2	-----	10.3	-----	Peak
5 656.61	H	57.5	4.0	-----	61.5	-----	73.1	-----	11.6	-----	Peak
5 656.02	V	54.3	4.0	-----	58.3	-----	72.7	-----	14.4	-----	Peak

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 :	5 825 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
5 944.41	H	53.9	5.1	-----	59.0	-----	68.2	-----	9.2	-----	Peak
5 936.11	V	53.9	5.0	-----	58.9	-----	68.2	-----	9.3	-----	Peak

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ax_HE20_242T

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)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
3 885.28	H	46.7	0.3	-----	47.0	-----	74.0	-----	27.0	-----	Peak
3 884.98	H	35.0	0.3	0.3	-----	35.6	-----	54.0	-----	18.4	Average
3 885.13	V	46.8	0.3	-----	47.1	-----	74.0	-----	26.9	-----	Peak
3 885.15	V	34.6	0.3	0.3	-----	35.2	-----	54.0	-----	18.8	Average

Ch.40(5 200 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
3 900.28	H	46.7	0.3	-----	47.0	-----	74.0	-----	27.0	-----	Peak
3 900.15	H	35.2	0.3	0.3	-----	35.8	-----	54.0	-----	18.2	Average
3 897.19	V	47.6	0.3	-----	47.9	-----	74.0	-----	26.1	-----	Peak
3 900.15	V	34.6	0.3	0.3	-----	35.2	-----	54.0	-----	18.8	Average

Ch.48(5 240 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
3 929.87	H	47.5	0.3	-----	47.8	-----	74.0	-----	26.2	-----	Peak
3 930.07	H	35.4	0.3	0.3	-----	36.0	-----	54.0	-----	18.0	Average
3 929.91	V	46.8	0.3	-----	47.1	-----	74.0	-----	26.9	-----	Peak
3 930.10	V	35.0	0.3	0.3	-----	35.6	-----	54.0	-----	18.4	Average

Ch.52(5 260 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
3 945.10	H	46.5	0.2	-----	46.7	-----	74.0	-----	27.3	-----	Peak
3 945.03	H	34.5	0.2	0.3	-----	35.0	-----	54.0	-----	19.0	Average
3 945.19	V	47.5	0.2	-----	47.7	-----	74.0	-----	26.3	-----	Peak
3 945.05	V	34.3	0.2	0.3	-----	34.8	-----	54.0	-----	19.2	Average

Ch.60(5 300 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
3 974.80	H	46.6	0.1	-----	46.7	-----	74.0	-----	27.3	-----	Peak
3 975.06	H	35.2	0.1	0.3	-----	35.6	-----	54.0	-----	18.4	Average
3 975.43	V	46.8	0.1	-----	46.9	-----	74.0	-----	27.1	-----	Peak
3 975.24	V	35.3	0.1	0.3	-----	35.7	-----	54.0	-----	18.3	Average

Ch.64(5 320 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
3 989.95	H	46.8	0.1	-----	46.9	-----	74.0	-----	27.1	-----	Peak
3 989.95	H	35.6	0.1	0.3	-----	36.0	-----	54.0	-----	18.0	Average
3 990.13	V	47.7	0.1	-----	47.8	-----	74.0	-----	26.2	-----	Peak
3 990.16	V	35.6	0.1	0.3	-----	36.0	-----	54.0	-----	18.0	Average

Ch.100(5 500 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
4 125.09	H	47.7	0.7	-----	48.4	-----	74.0	-----	25.6	-----	Peak
4 125.28	H	38.2	0.7	0.3	-----	39.2	-----	54.0	-----	14.8	Average
4 125.11	V	47.2	0.7	-----	47.9	-----	74.0	-----	26.1	-----	Peak
4 125.07	V	36.8	0.7	0.3	-----	37.8	-----	54.0	-----	16.2	Average

Ch.120(5 600 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.140(5 700 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.144(5 720 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.149(5 745 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.157(5 785 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.											

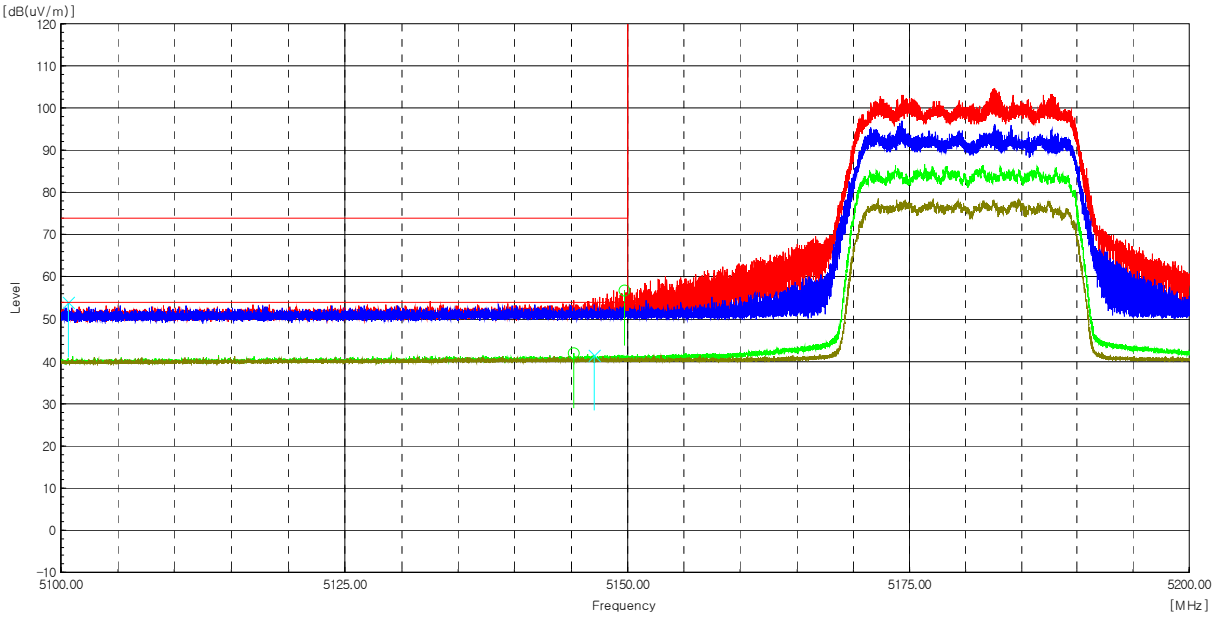
Ch.165(5 825 MHz)

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.											

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

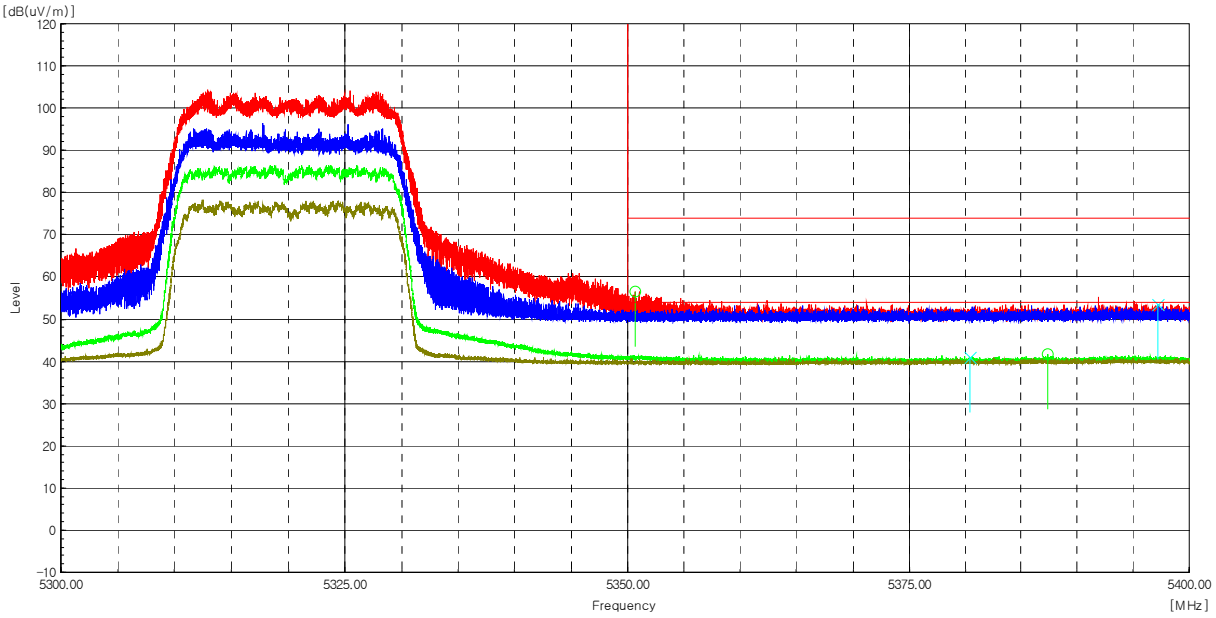
Worst Case Mode :	802.11ax_HE20_242T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 180 MHz
Channel :	36



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
5 149.71	H	54.2	2.7	-----	56.9	-----	74.0	-----	17.1	-----	Peak
5 145.21	H	39.2	2.7	0.3	-----	42.2	-----	54.0	-----	11.8	Average
5 100.67	V	51.4	2.5	-----	53.9	-----	74.0	-----	20.1	-----	Peak
5 147.00	V	38.7	2.7	0.3	-----	41.7	-----	54.0	-----	12.3	Average

Radiated Restricted Band Edge Plot

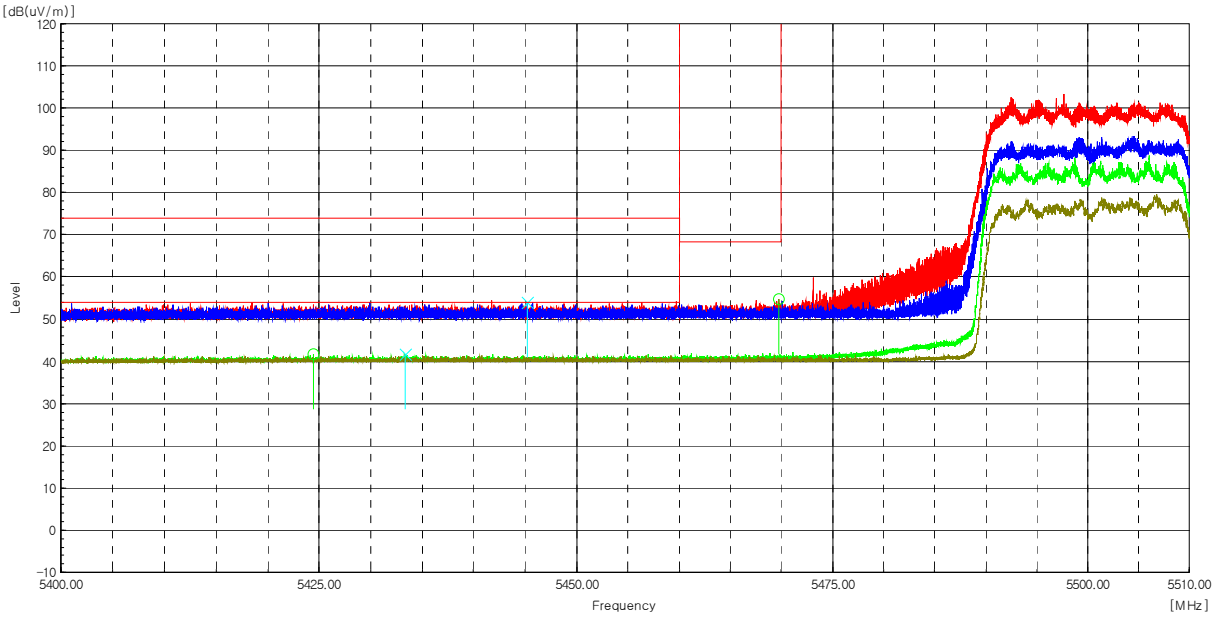
Worst Case Mode :	802.11ax_HE20_242T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 320 MHz
Channel :	64



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
5 350.64	H	53.6	2.9	-----	56.5	-----	74.0	-----	17.5	-----	Peak
5 387.38	H	38.4	3.2	0.3	-----	41.9	-----	54.0	-----	12.1	Average
5 397.17	V	50.3	3.3	-----	53.6	-----	74.0	-----	20.4	-----	Peak
5 380.39	V	37.9	3.1	0.3	-----	41.3	-----	54.0	-----	12.7	Average

Radiated Restricted Band Edge Plot

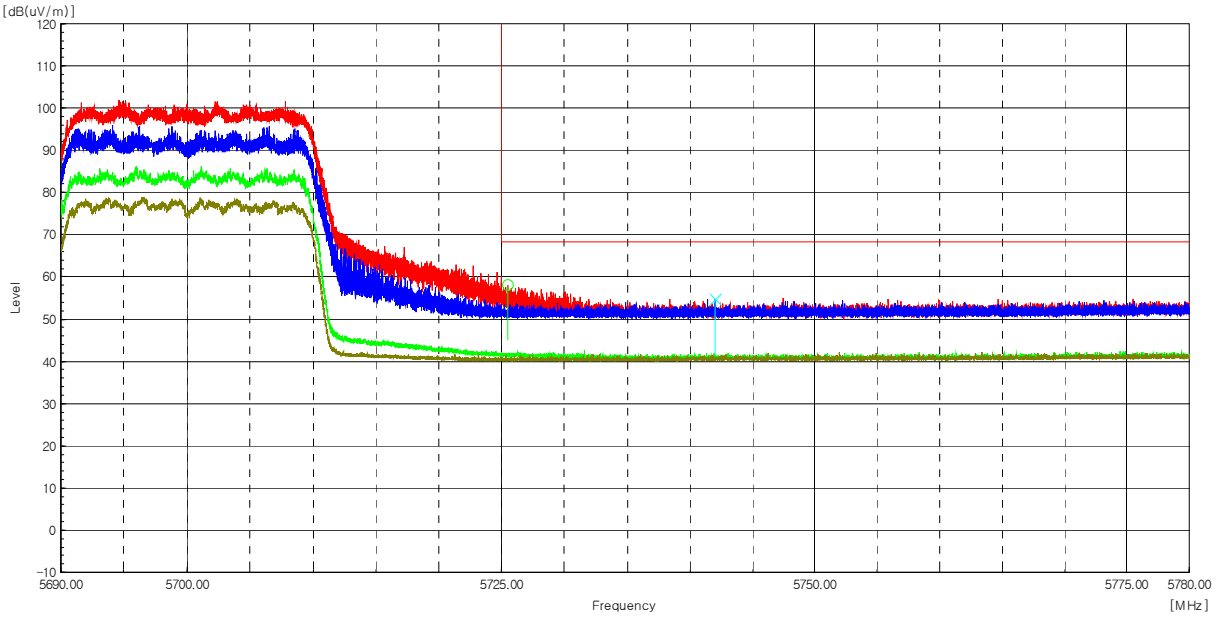
Worst Case Mode :	802.11ax_HE20_242T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 500 MHz
Channel :	100



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
5 469.78	H	51.0	3.8	-----	54.8	-----	68.2	-----	13.4	-----	Peak
5 424.40	H	38.1	3.7	0.3	-----	42.1	-----	54.0	-----	11.9	Average
5 445.24	V	50.2	3.8	-----	54.0	-----	74.0	-----	20.0	-----	Peak
5 433.31	V	37.8	3.8	0.3	-----	41.9	-----	54.0	-----	12.1	Average

Radiated Restricted Band Edge Plot

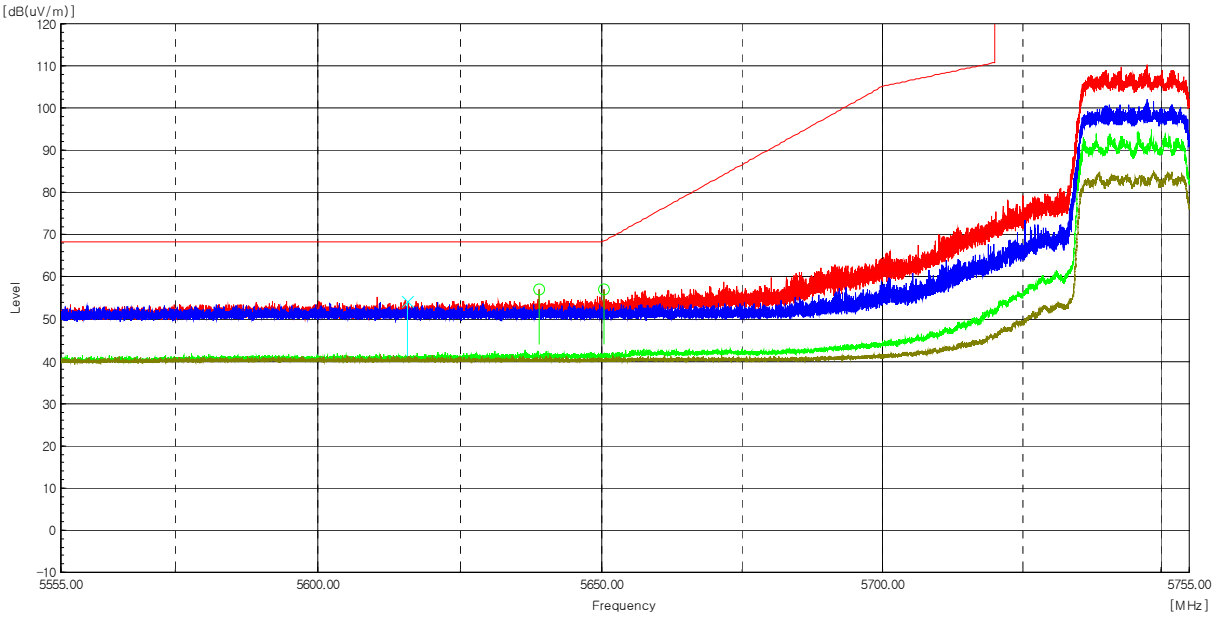
Worst Case Mode :	802.11ax_HE20_242T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 700 MHz
Channel :	140



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
5 725.48	H	54.2	3.8	-----	58.0	-----	68.2	-----	10.2	-----	Peak
5 742.06	V	50.8	4.0	-----	54.8	-----	68.2	-----	13.4	-----	Peak

Radiated Restricted Band Edge Plot

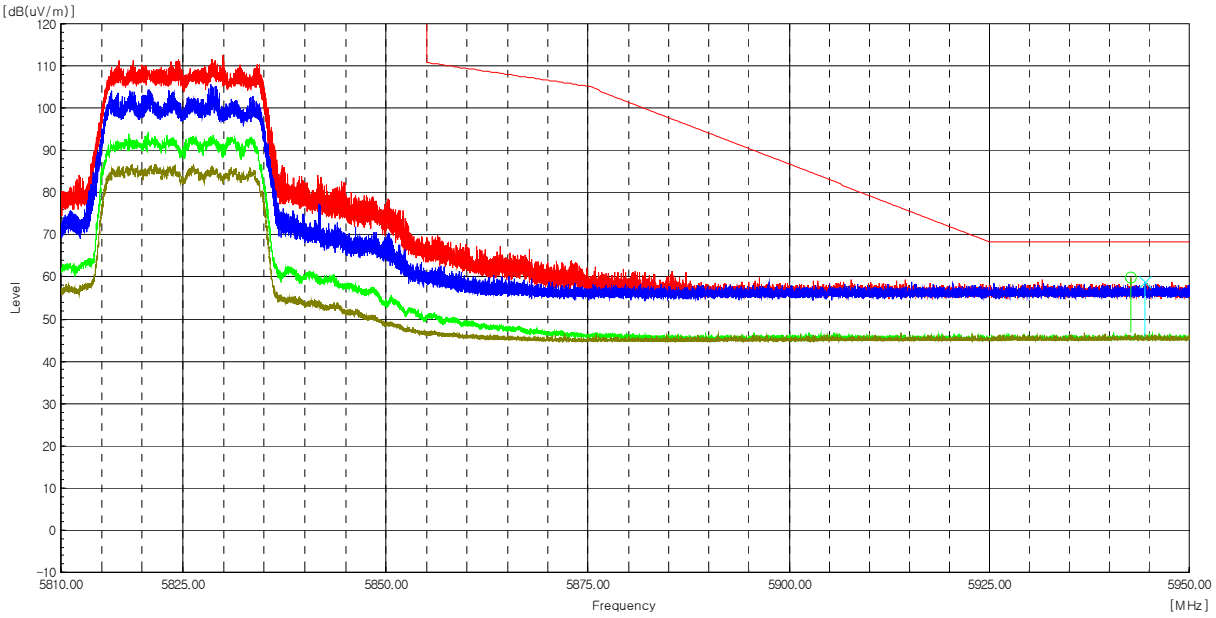
Worst Case Mode :	802.11ax_HE20_242T
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 745 MHz
Channel :	149



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
5 638.95	H	53.0	4.1	-----	57.1	-----	68.2	-----	11.1	-----	Peak
5 615.72	V	50.1	4.1	-----	54.2	-----	68.2	-----	14.0	-----	Peak
5 650.40	H	53.0	4.0	-----	57.0	-----	68.5	-----	11.5	-----	Peak

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 :	5 825 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
5 942.72	H	54.7	5.1	-----	59.8	-----	68.2	-----	8.4	-----	Peak
5 944.41	V	53.6	5.1	-----	58.7	-----	68.2	-----	9.5	-----	Peak

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11n_HT40

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)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
3 893.40	H	45.5	0.3	-----	45.8	-----	74.0	-----	28.2	-----	Peak
3 892.46	H	33.6	0.3	2.6	-----	36.5	-----	54.0	-----	17.5	Average
3 894.65	V	46.4	0.3	-----	46.7	-----	74.0	-----	27.3	-----	Peak
3 892.63	V	33.1	0.3	2.6	-----	36.0	-----	54.0	-----	18.0	Average

Ch.46(5 230 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
3 922.39	H	45.7	0.3	-----	46.0	-----	74.0	-----	28.0	-----	Peak
3 922.52	H	33.9	0.3	2.6	-----	36.8	-----	54.0	-----	17.2	Average
3 922.56	V	46.0	0.3	-----	46.3	-----	74.0	-----	27.7	-----	Peak
3 922.61	V	33.6	0.3	2.6	-----	36.5	-----	54.0	-----	17.5	Average

Ch.54(5 270 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
3 952.61	H	46.4	0.2	-----	46.6	-----	74.0	-----	27.4	-----	Peak
3 952.59	H	34.6	0.2	2.6	-----	37.4	-----	54.0	-----	16.6	Average
3 952.50	V	46.8	0.2	-----	47.0	-----	74.0	-----	27.0	-----	Peak
3 952.44	V	34.2	0.2	2.6	-----	37.0	-----	54.0	-----	17.0	Average

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
3 982.40	H	46.6	0.1	-----	46.7	-----	74.0	-----	27.3	-----	Peak
3 982.47	H	34.8	0.1	2.6	-----	37.5	-----	54.0	-----	16.5	Average
3 982.67	V	46.9	0.1	-----	47.0	-----	74.0	-----	27.0	-----	Peak
3 982.44	V	34.9	0.1	2.6	-----	37.6	-----	54.0	-----	16.4	Average

Ch.102(5 510 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.118(5 590 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.134(5 670 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.142(5 710 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.151(5 755 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.											

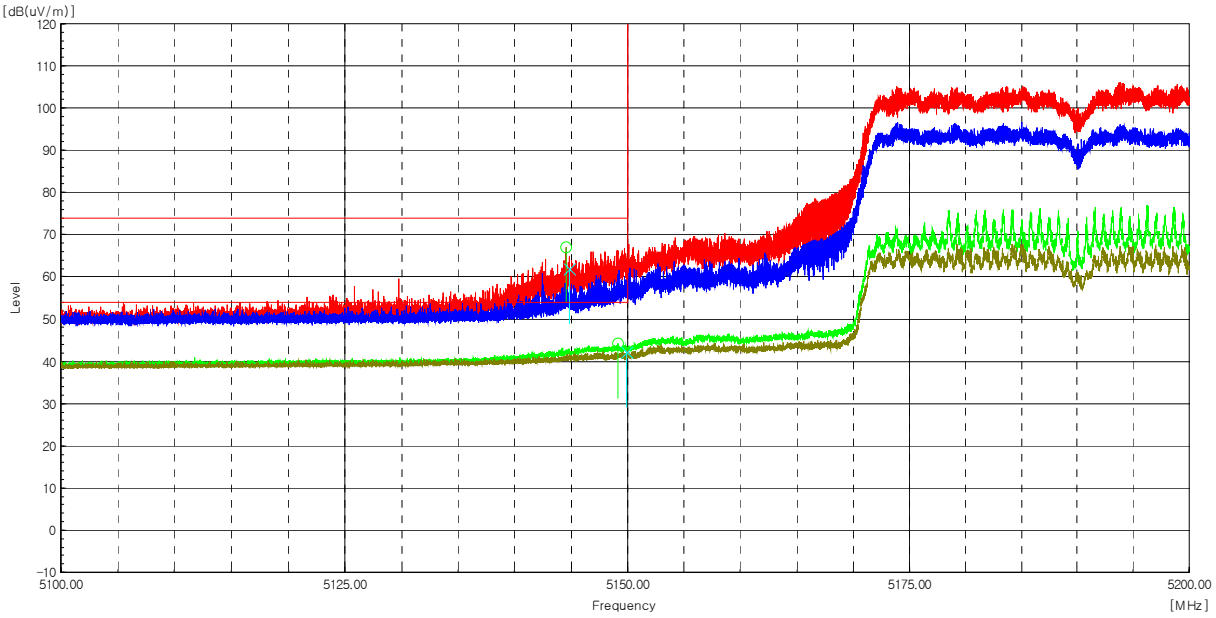
Ch.159(5 795 MHz)

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.											

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

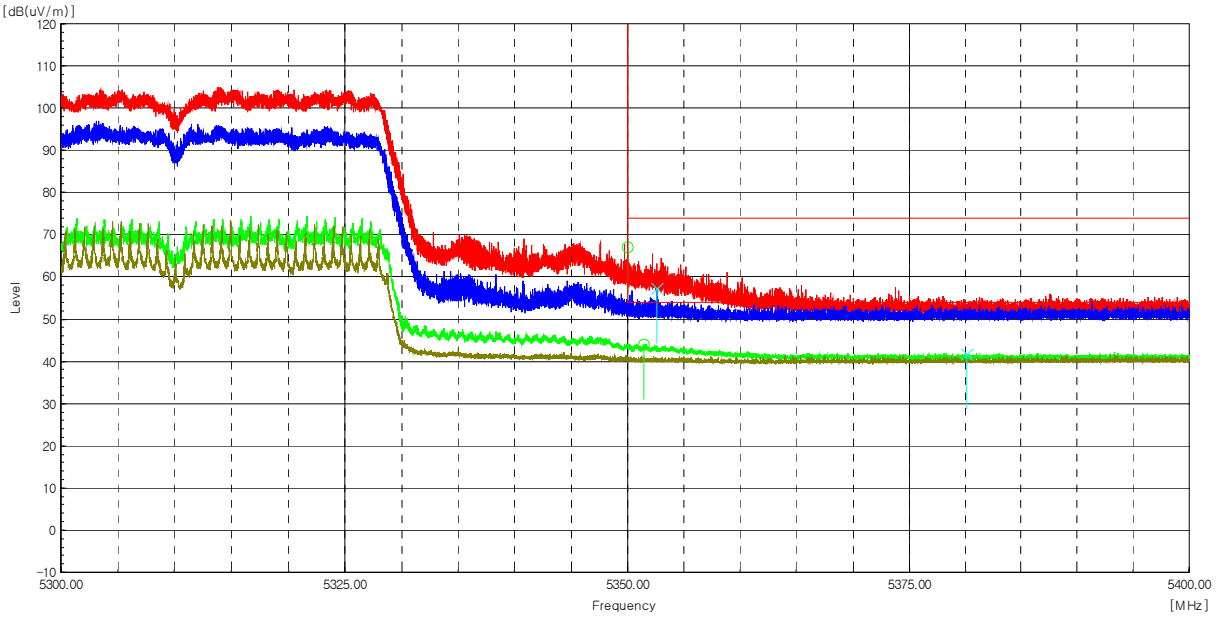
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 190 MHz
Channel :	38



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
5 144.53	H	64.4	2.7	-----	67.1	-----	74.0	-----	6.9	-----	Peak
5 149.13	H	41.7	2.7	2.6	-----	47.0	-----	54.0	-----	7.0	Average
5 144.84	V	59.2	2.7	-----	61.9	-----	74.0	-----	12.1	-----	Peak
5 149.95	V	39.4	2.7	2.6	-----	44.7	-----	54.0	-----	9.3	Average

Radiated Restricted Band Edge Plot

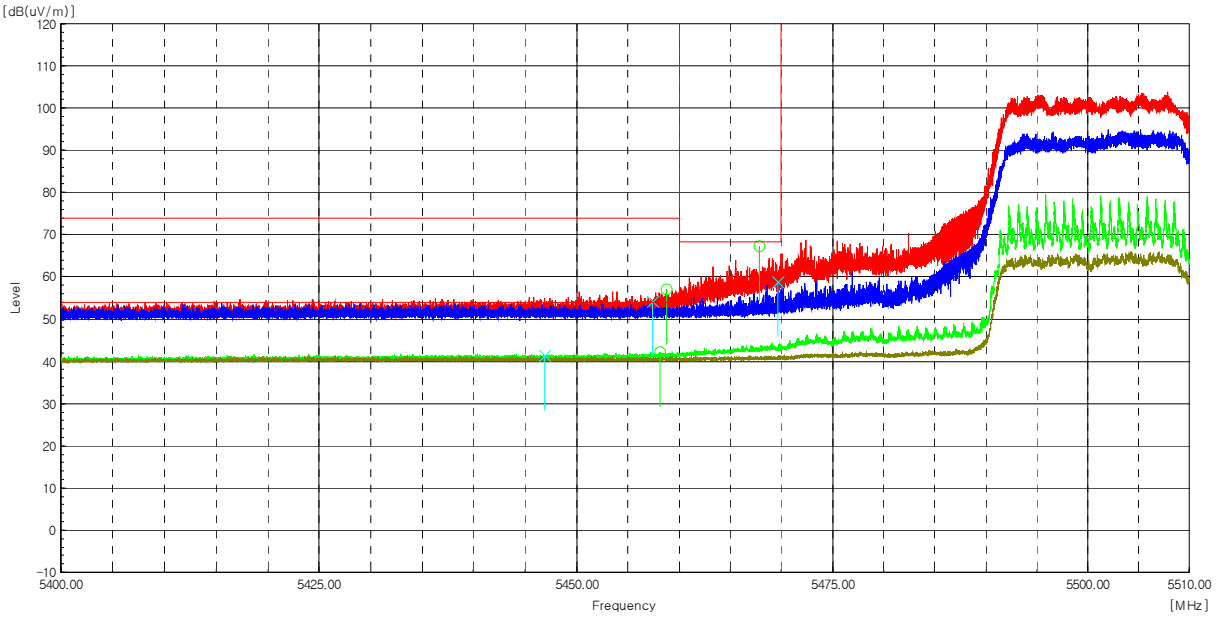
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 310 MHz
Channel :	62



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
5 350.03	H	64.0	2.9	-----	66.9	-----	74.0	-----	7.1	-----	Peak
5 351.48	H	41.2	2.9	2.6	-----	46.7	-----	54.0	-----	7.3	Average
5 352.57	V	54.4	2.9	-----	57.3	-----	74.0	-----	16.7	-----	Peak
5 380.16	V	38.6	3.1	2.6	-----	44.3	-----	54.0	-----	9.7	Average

Radiated Restricted Band Edge Plot

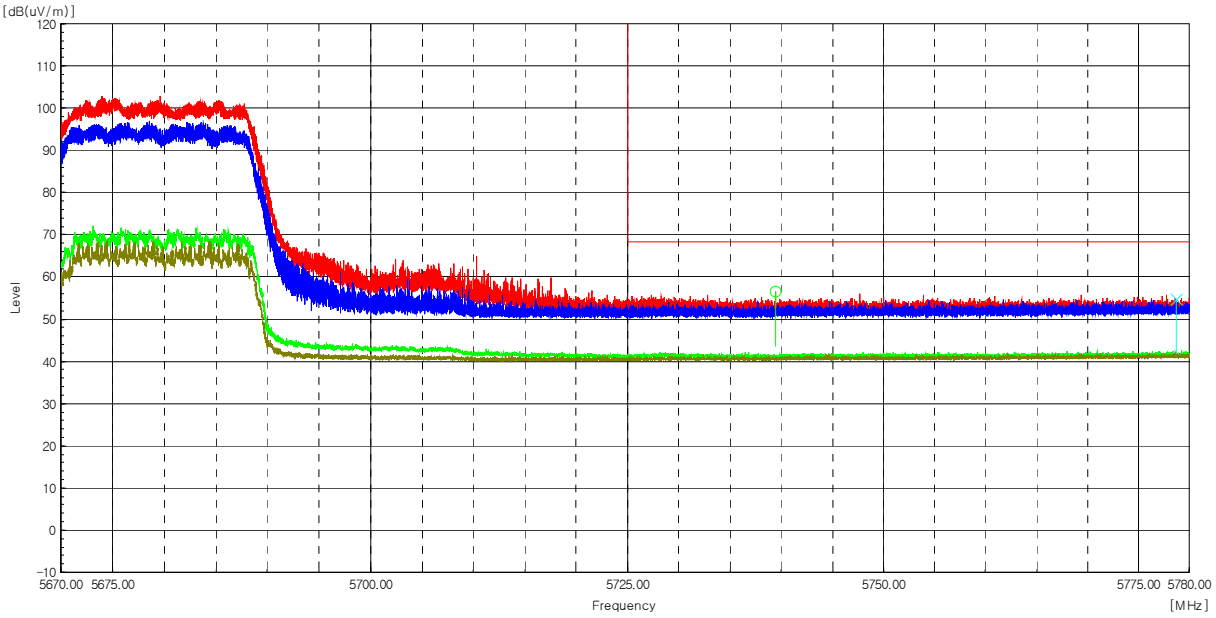
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 510 MHz
Channel :	102



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
5 467.86	H	63.4	3.8	-----	67.2	-----	68.2	-----	1.0	-----	Peak
5 469.66	V	55.0	3.8	-----	58.8	-----	68.2	-----	9.4	-----	Peak
5 458.82	H	53.2	3.8	-----	57.0	-----	74.0	-----	17.0	-----	Peak
5 458.11	H	38.4	3.8	2.6	-----	44.8	-----	54.0	-----	9.2	Average
5 457.38	V	50.5	3.8	-----	54.3	-----	74.0	-----	19.7	-----	Peak
5 446.88	V	37.6	3.8	2.6	-----	44.0	-----	54.0	-----	10.0	Average

Radiated Restricted Band Edge Plot

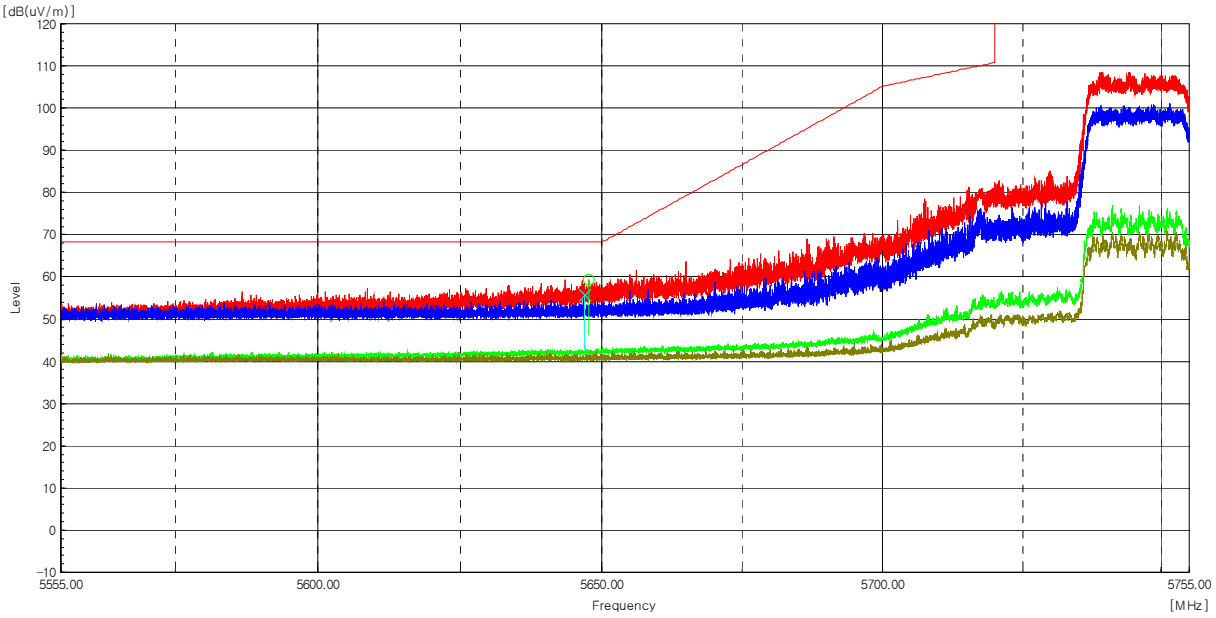
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 670 MHz
Channel :	134



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
5 739.45	H	52.6	3.9	-----	56.5	-----	68.2	-----	11.7	-----	Peak
5 778.76	V	50.4	4.3	-----	54.7	-----	68.2	-----	13.5	-----	Peak

Radiated Restricted Band Edge Plot

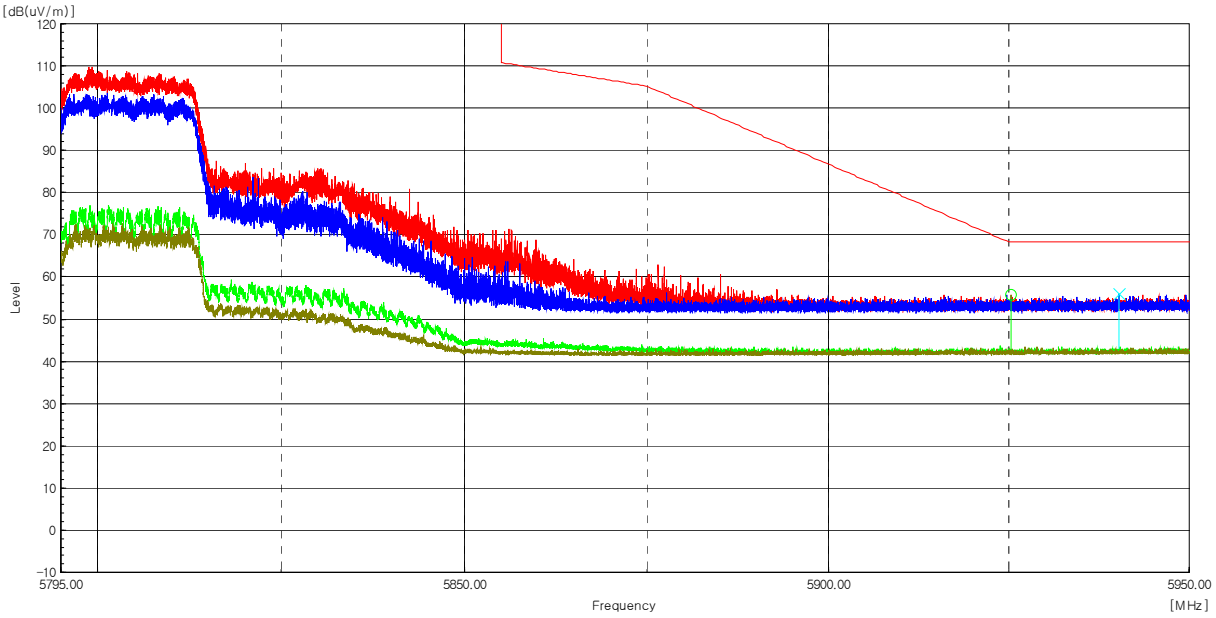
Worst Case Mode :	802.11n_HT40
Worst Case Transfer Rate :	MCS 0
Distance of Measurements :	3 Meters
Operating Frequency :	5 755 MHz
Channel :	151



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
5 647.63	H	55.4	4.0	-----	59.4	-----	68.2	-----	8.8	-----	Peak
5 646.85	V	51.7	4.0	-----	55.7	-----	68.2	-----	12.5	-----	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 :	5 795 MHz
Channel :	159



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
5 925.31	H	50.9	4.9	-----	55.8	-----	68.2	-----	12.4	-----	Peak
5 940.23	V	50.8	5.1	-----	55.9	-----	68.2	-----	12.3	-----	Peak

Radiated Restricted Band Edge Plot

Test mode : Transmitter, 802.11ac_VHT40

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)]	Level AV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin AV [dB]	Note
3 892.60	H	45.8	0.3	-----	46.1	-----	74.0	-----	27.9	-----	Peak
3 892.35	H	33.3	0.3	2.5	-----	36.1	-----	54.0	-----	17.9	Average
3 892.49	V	46.1	0.3	-----	46.4	-----	74.0	-----	27.6	-----	Peak
3 892.64	V	33.0	0.3	2.5	-----	35.8	-----	54.0	-----	18.2	Average

Ch.46(5 230 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
3 923.30	H	46.6	0.3	-----	46.9	-----	74.0	-----	27.1	-----	Peak
3 922.67	H	33.8	0.3	2.5	-----	36.6	-----	54.0	-----	17.4	Average
3 921.72	V	45.8	0.3	-----	46.1	-----	74.0	-----	27.9	-----	Peak
3 922.59	V	33.3	0.3	2.5	-----	36.1	-----	54.0	-----	17.9	Average

Ch.54(5 270 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
3 953.02	H	46.3	0.2	-----	46.5	-----	74.0	-----	27.5	-----	Peak
3 952.59	H	34.7	0.2	2.5	-----	37.4	-----	54.0	-----	16.6	Average
3 952.35	V	46.4	0.2	-----	46.6	-----	74.0	-----	27.4	-----	Peak
3 952.54	V	34.3	0.2	2.5	-----	37.0	-----	54.0	-----	17.0	Average

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
3 982.50	H	46.7	0.1	-----	46.8	-----	74.0	-----	27.2	-----	Peak
3 982.52	H	35.1	0.1	2.5	-----	37.7	-----	54.0	-----	16.3	Average
3 981.91	V	46.9	0.1	-----	47.0	-----	74.0	-----	27.0	-----	Peak
3 982.58	V	34.8	0.1	2.5	-----	37.4	-----	54.0	-----	16.6	Average

Ch.102(5 510 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.118(5 590 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.134(5 670 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.142(5 710 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.151(5 755 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.159(5 795 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.											

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