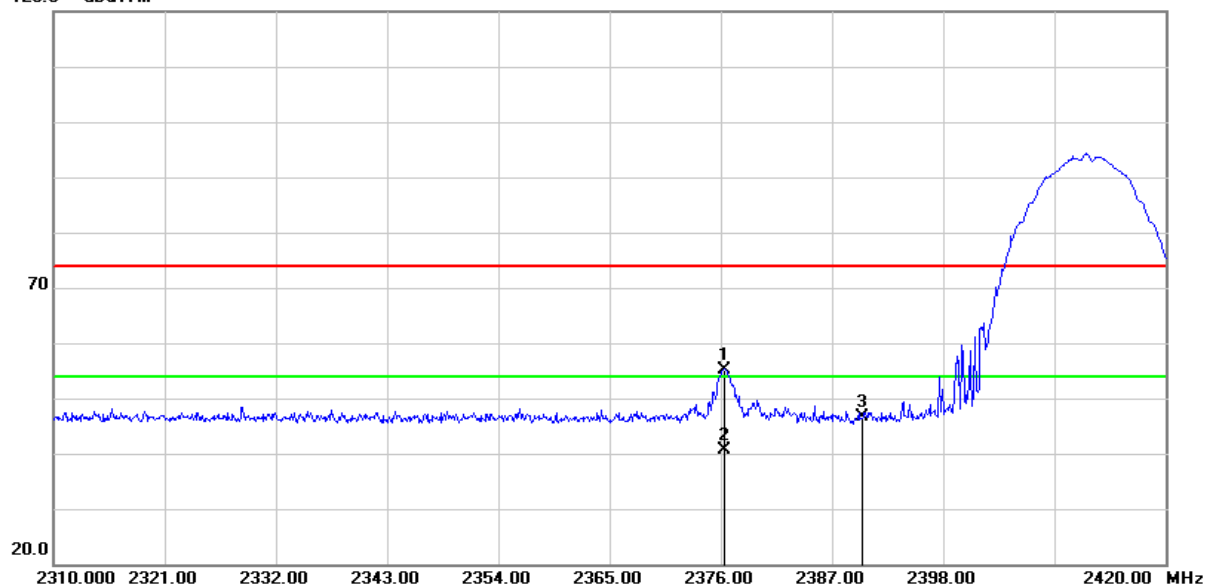


Test Mode :	Transmit(802.11b)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

120.0 dBuV/m



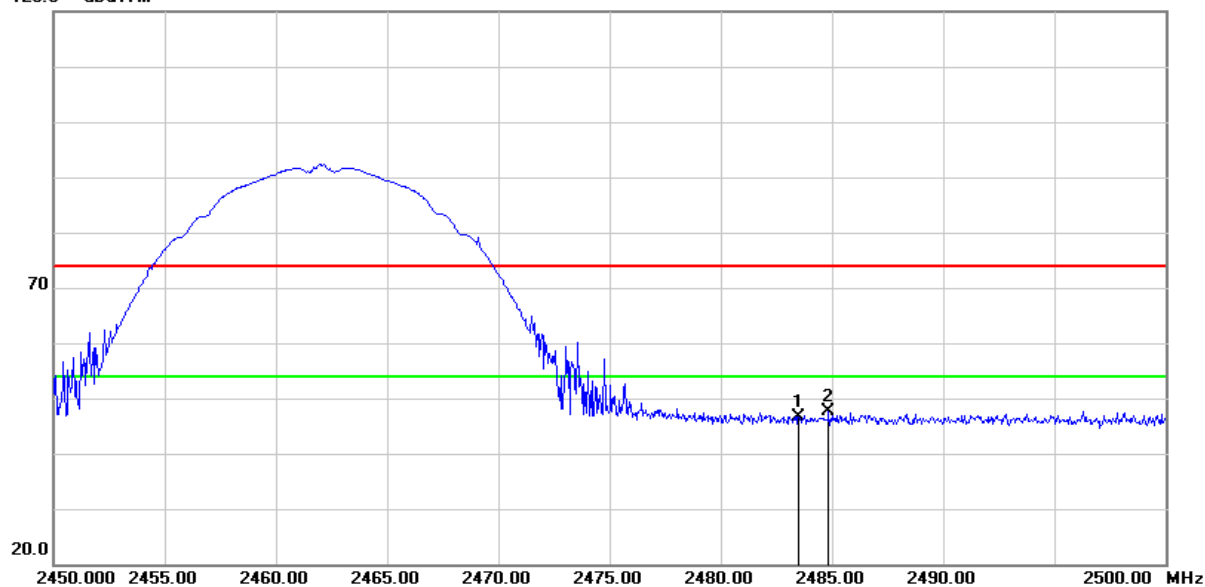
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.330	61.59	-6.34	55.25	74.00	-18.75	peak
2	2376.330	46.99	-6.34	40.65	54.00	-13.35	AVG
3	2390.000	52.93	-6.35	46.58	74.00	-27.42	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11b)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

120.0 dBuV/m

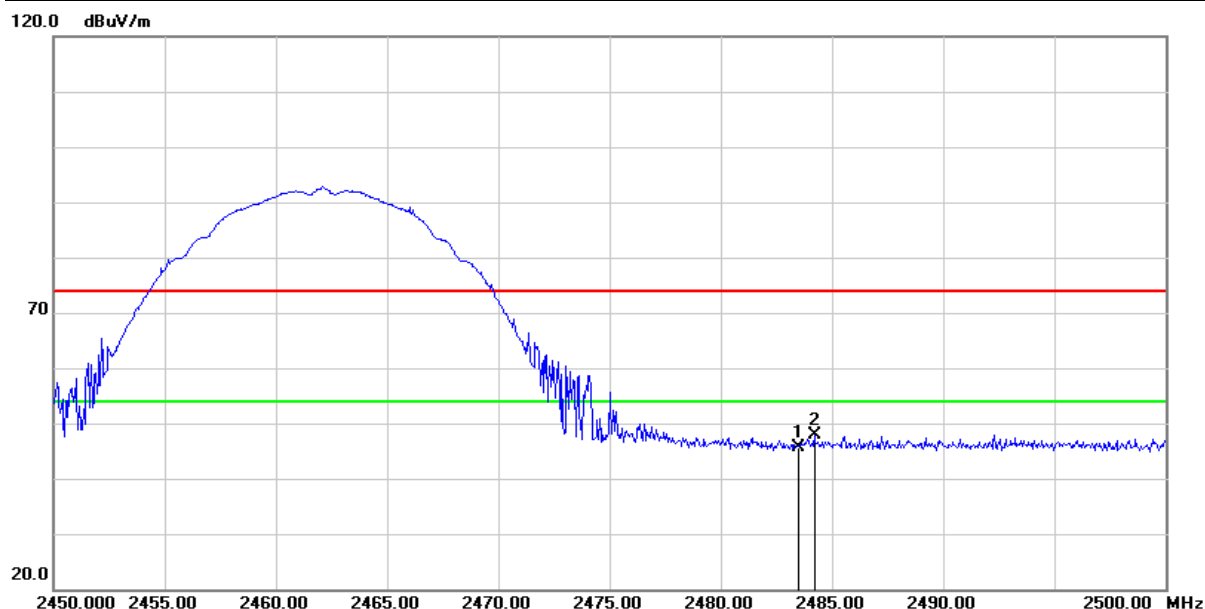


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.08	-6.34	46.74	74.00	-27.26	peak
2	2484.850	53.99	-6.34	47.65	74.00	-26.35	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11b)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %



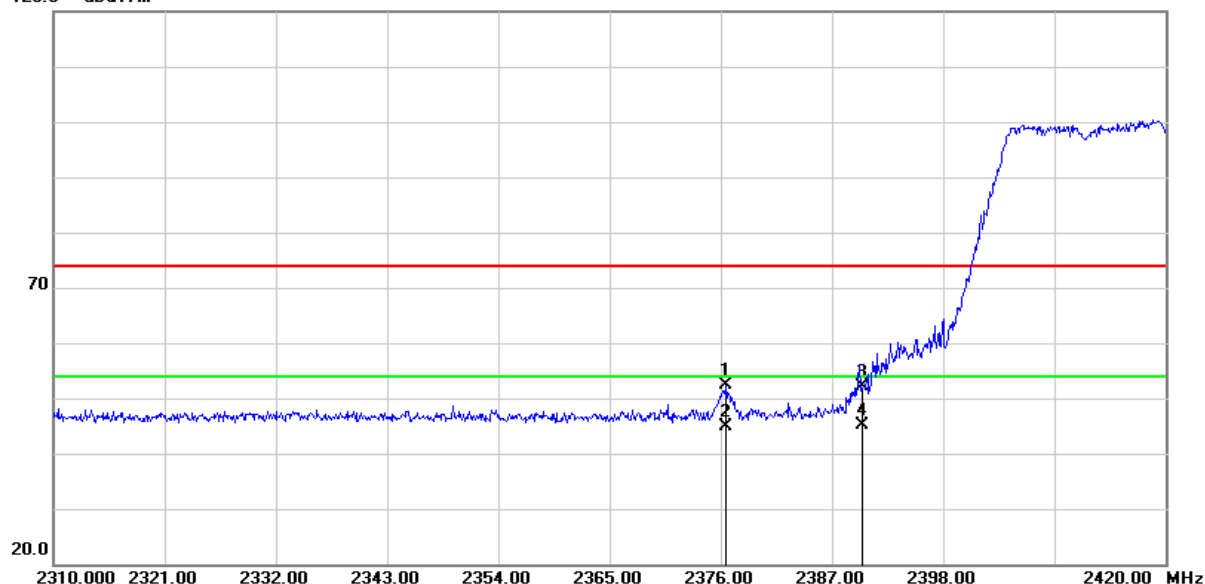
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	52.09	-6.34	45.75	74.00	-28.25	peak
2	2484.200	54.28	-6.34	47.94	74.00	-26.06	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.550	58.81	-6.34	52.47	74.00	-21.53	peak
2	2376.550	51.26	-6.34	44.92	54.00	-9.08	AVG
3	2390.000	58.57	-6.35	52.22	74.00	-21.78	peak
4	2390.000	51.49	-6.35	45.14	54.00	-8.86	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

120.0 dBuV/m



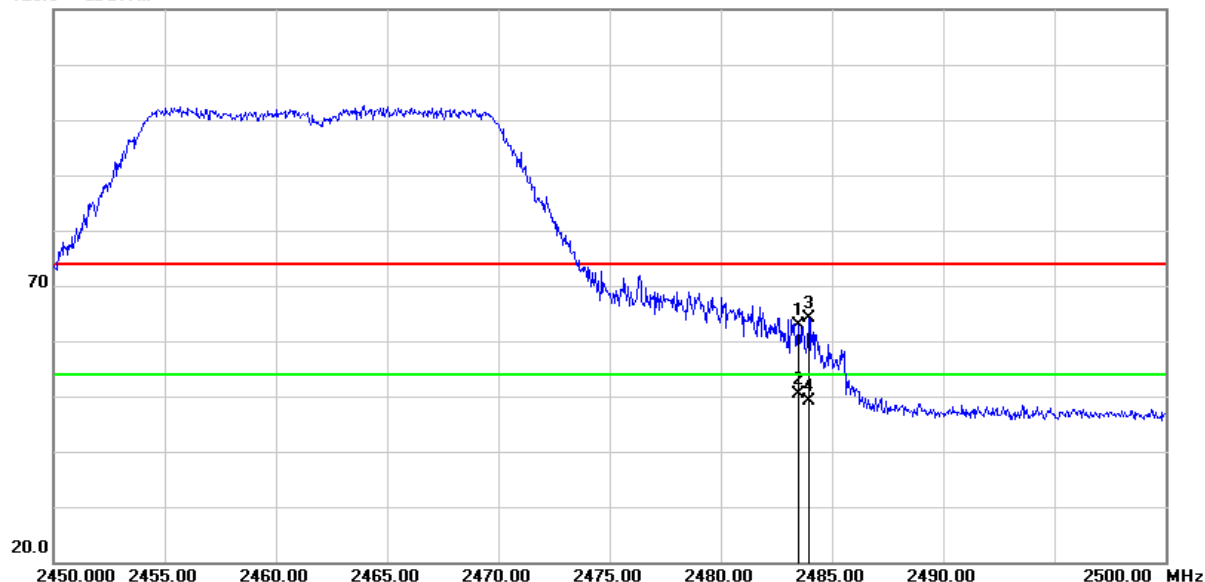
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.550	61.67	-6.34	55.33	74.00	-18.67	peak
2	2376.550	55.17	-6.34	48.83	54.00	-5.17	AVG
3	2390.000	60.00	-6.35	53.65	74.00	-20.35	peak
4	2390.000	51.62	-6.35	45.27	54.00	-8.73	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

120.0 dBuV/m



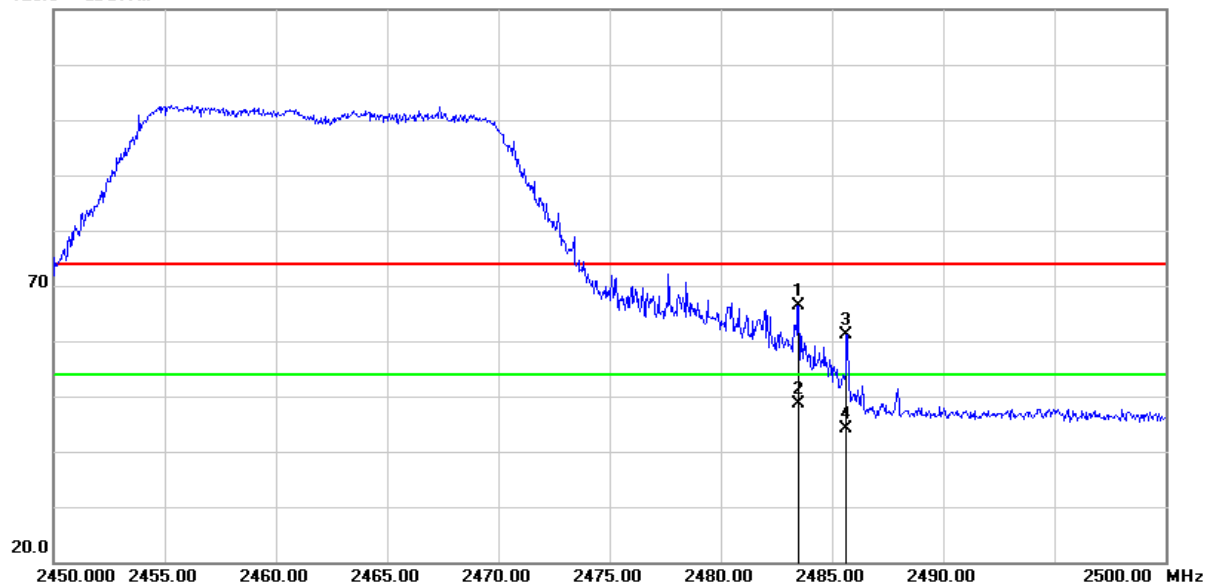
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	69.17	-6.34	62.83	74.00	-11.17	peak
2	2483.500	56.73	-6.34	50.39	54.00	-3.61	AVG
3	2483.950	70.43	-6.34	64.09	74.00	-9.91	peak
4	2483.950	55.54	-6.34	49.20	54.00	-4.80	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

120.0 dBuV/m



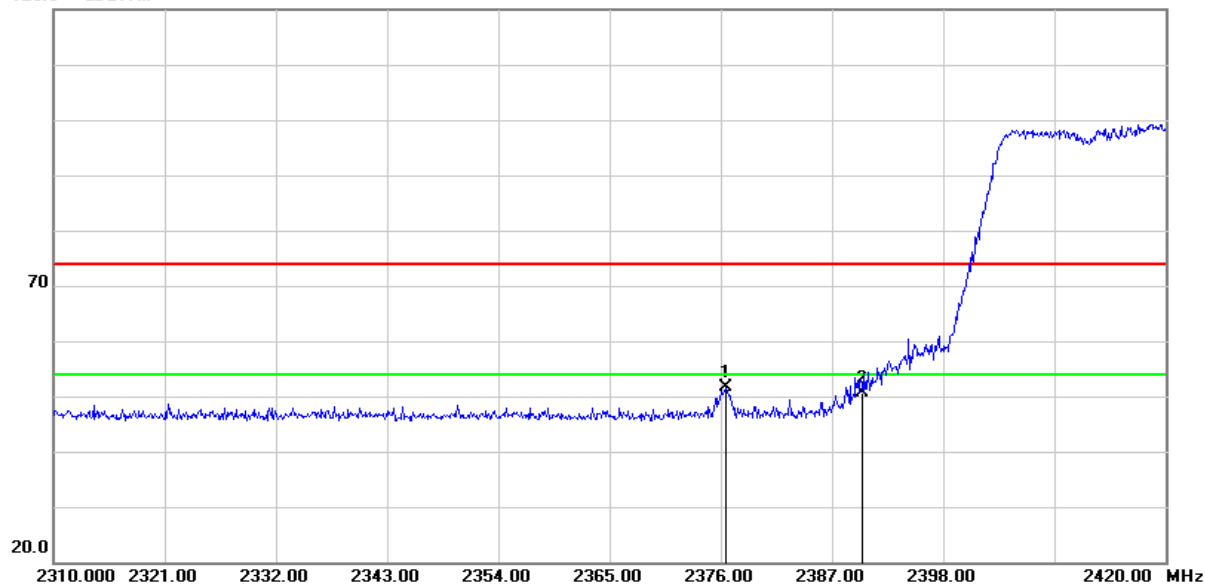
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	72.76	-6.34	66.42	74.00	-7.58	peak
2	2483.500	55.09	-6.34	48.75	54.00	-5.25	AVG
3	2485.650	67.57	-6.34	61.23	74.00	-12.77	peak
4	2485.650	50.53	-6.34	44.19	54.00	-9.81	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

120.0 dBuV/m



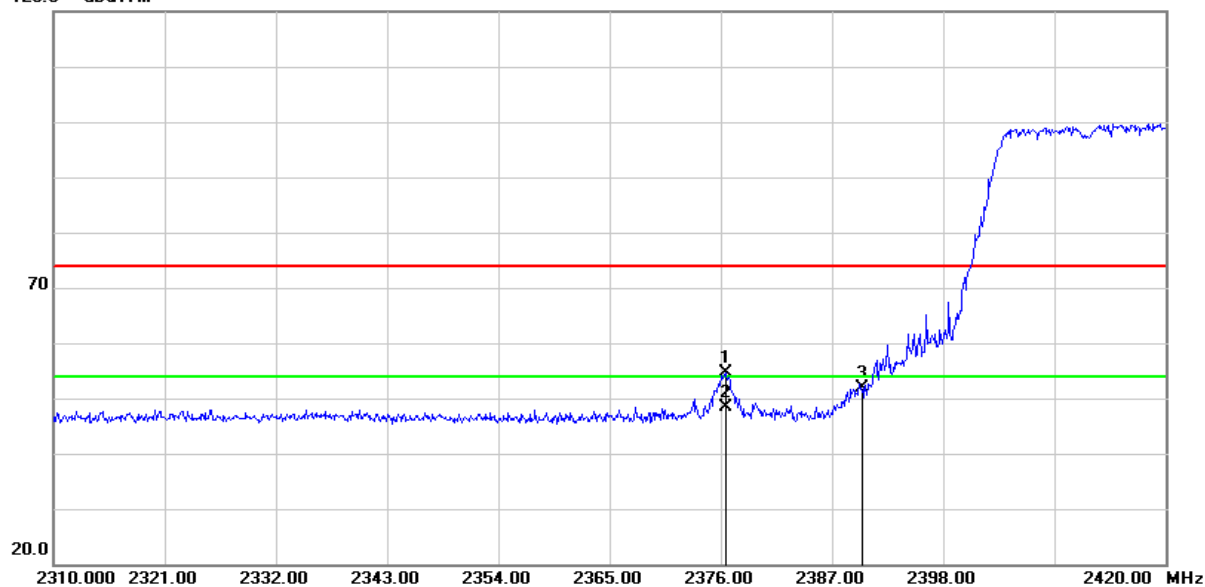
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.550	58.00	-6.34	51.66	74.00	-22.34	peak
2	2390.000	56.99	-6.35	50.64	74.00	-23.36	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

120.0 dBuV/m



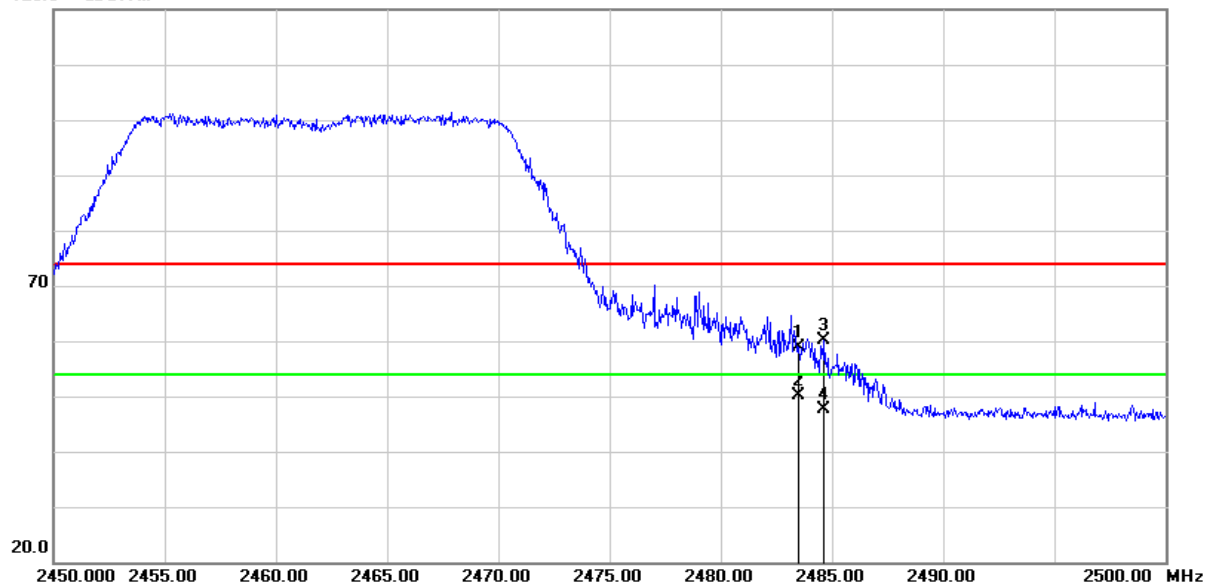
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.440	60.88	-6.34	54.54	74.00	-19.46	peak
2	2376.440	54.84	-6.34	48.50	54.00	-5.50	AVG
3	2390.000	58.28	-6.35	51.93	74.00	-22.07	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

120.0 dBuV/m



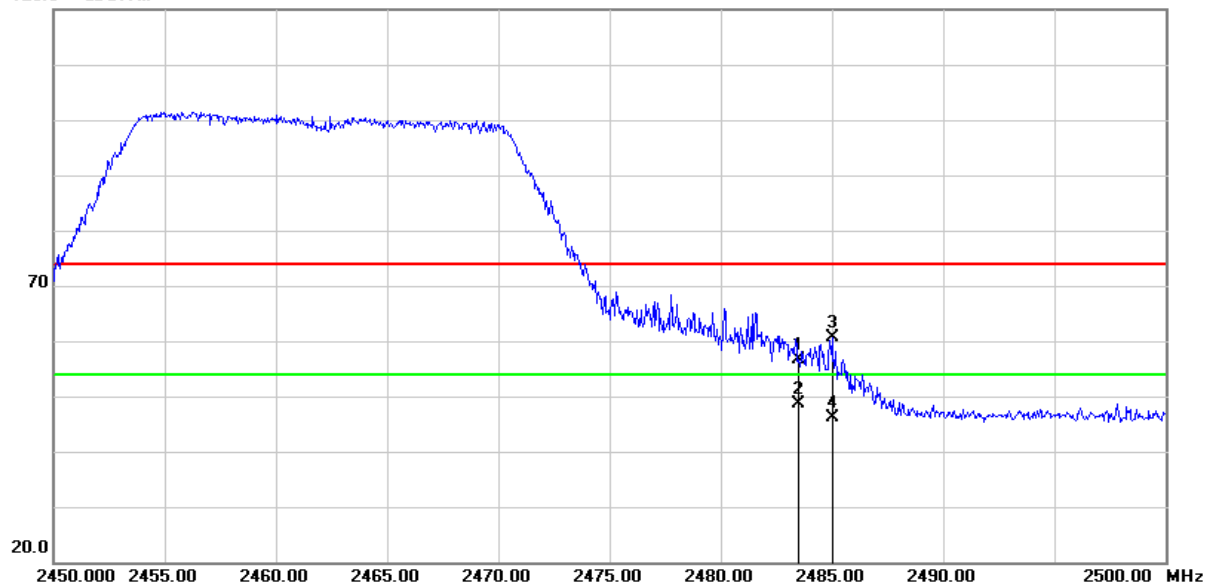
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	65.26	-6.34	58.92	74.00	-15.08	peak
2	2483.500	56.36	-6.34	50.02	54.00	-3.98	AVG
3	2484.650	66.35	-6.34	60.01	74.00	-13.99	peak
4	2484.650	54.09	-6.34	47.75	54.00	-6.25	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

120.0 dBuV/m

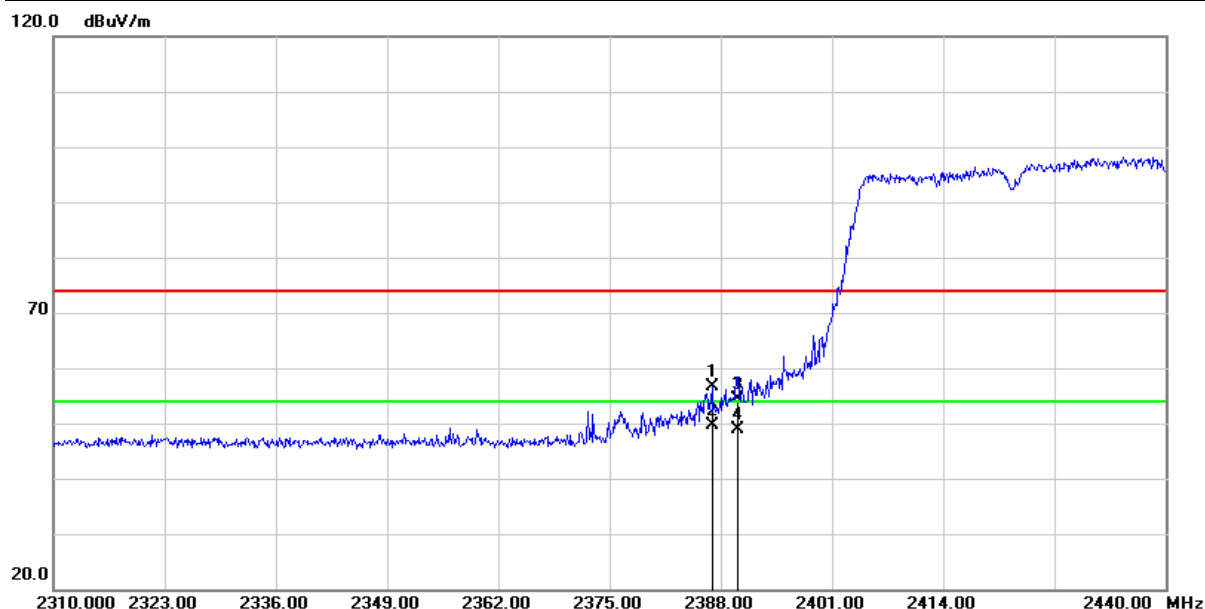


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	62.97	-6.34	56.63	74.00	-17.37	peak
2	2483.500	54.91	-6.34	48.57	54.00	-5.43	AVG
3	2485.000	66.90	-6.34	60.56	74.00	-13.44	peak
4	2485.000	52.44	-6.34	46.10	54.00	-7.90	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH03(2422MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

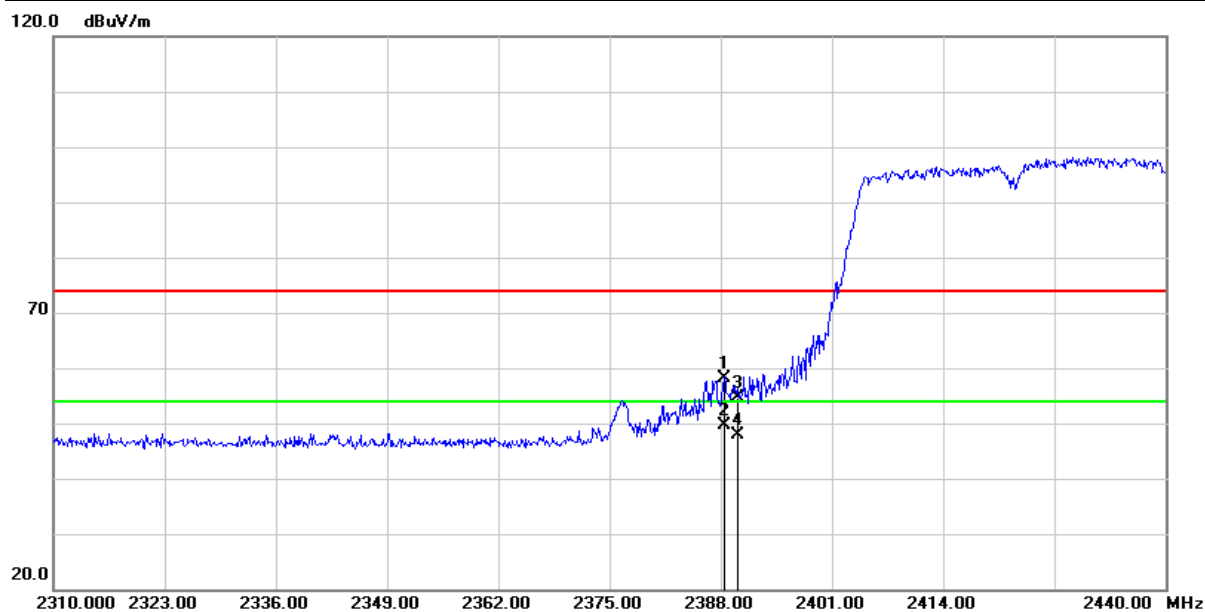


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.960	62.91	-6.34	56.57	74.00	-17.43	peak
2	2386.960	55.86	-6.34	49.52	54.00	-4.48	AVG
3	2390.000	60.83	-6.35	54.48	74.00	-19.52	peak
4	2390.000	55.22	-6.35	48.87	54.00	-5.13	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH03(2422MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %



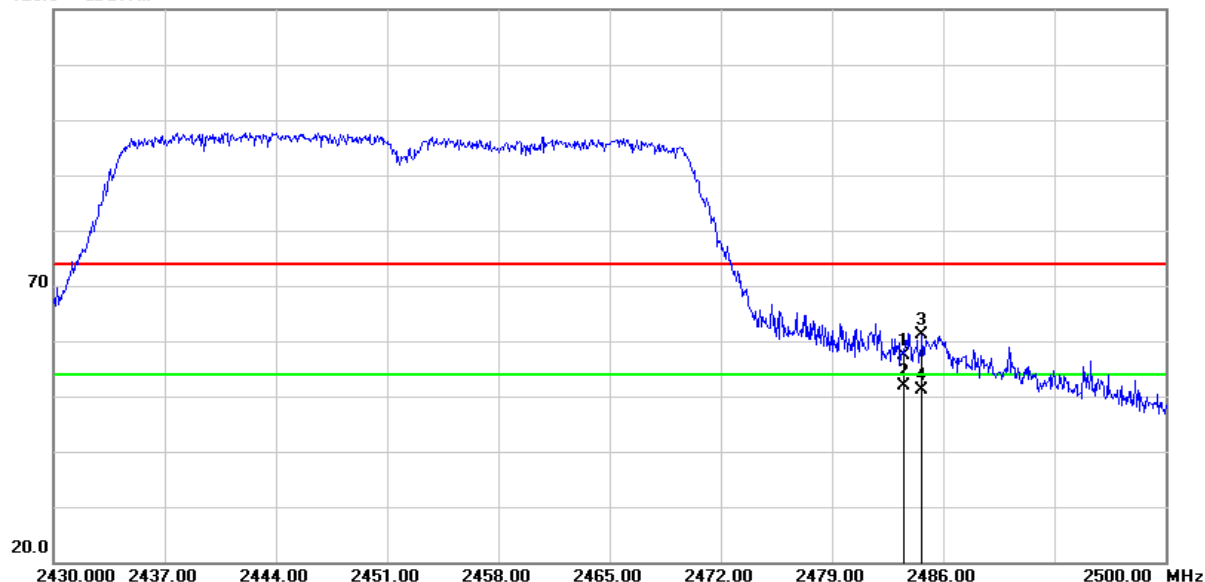
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.390	64.60	-6.35	58.25	74.00	-15.75	peak
2	2388.390	55.87	-6.35	49.52	54.00	-4.48	AVG
3	2390.000	61.10	-6.35	54.75	74.00	-19.25	peak
4	2390.000	54.20	-6.35	47.85	54.00	-6.15	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH09(2452MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

120.0 dBuV/m



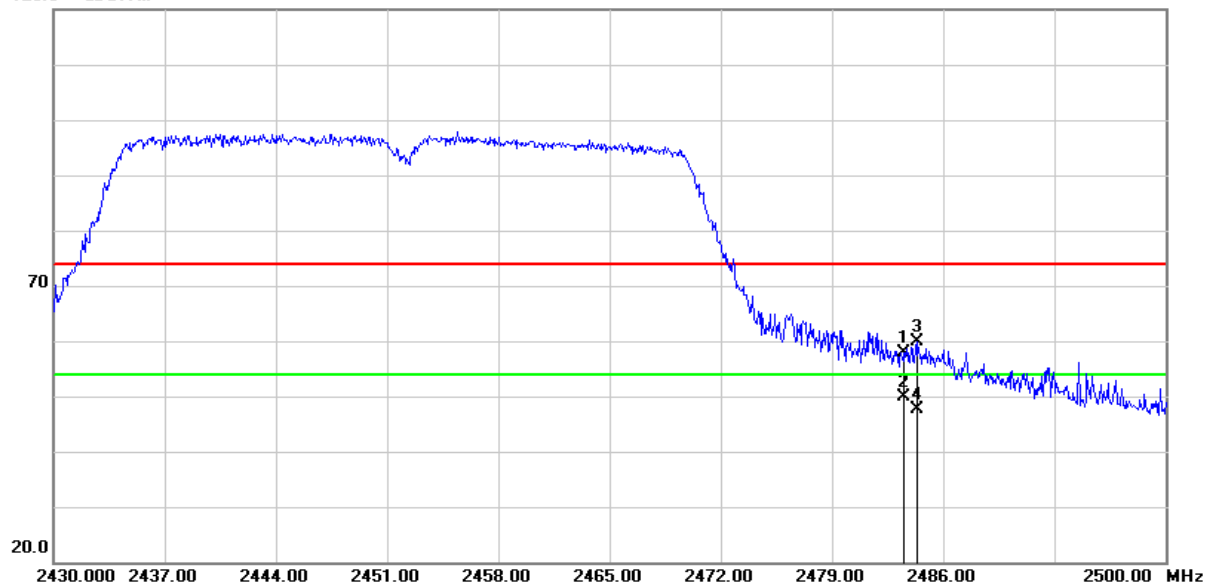
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	63.63	-6.34	57.29	74.00	-16.71	peak
2	2483.500	58.31	-6.34	51.97	54.00	-2.03	AVG
3	2484.670	67.57	-6.34	61.23	74.00	-12.77	peak
4	2484.670	57.56	-6.34	51.22	54.00	-2.78	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH09(2452MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	64.16	-6.34	57.82	74.00	-16.18	peak
2	2483.500	56.33	-6.34	49.99	54.00	-4.01	AVG
3	2484.320	66.20	-6.34	59.86	74.00	-14.14	peak
4	2484.320	54.07	-6.34	47.73	54.00	-6.27	AVG

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

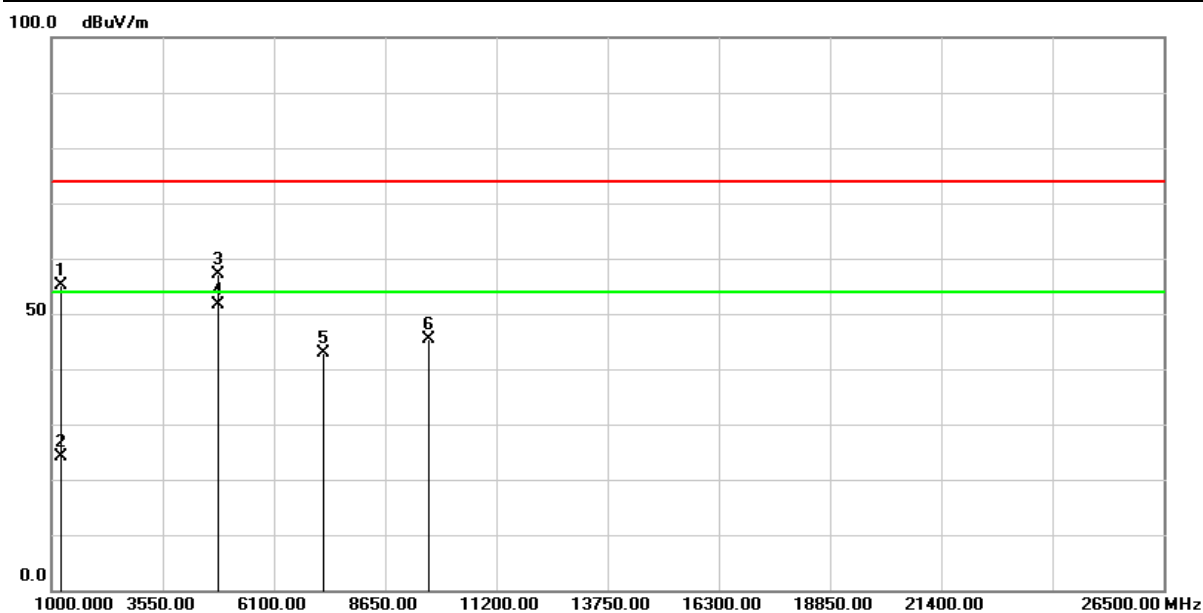
2.6.6 Test Result of Radiated Spurious Emission Measurement

- (1) The radiation measurement frequency is 9kHz ~ 30MHz. The interference value of this frequency range is less than the limit value of 20 dB. It is considered that the background noise value is not recorded.
- (2) The following table shows the radiation measurement frequency from 30MHz to 26.5GHz, pre-scanning in the X, Y and Z axes. The worst case (**X**-axis) is documented in this report.

Test Frequency		
RF	802.11b / 802.11g / 802.11n HT20	802.11n HT40
Tx	CH01 (2412MHz)	CH03 (2422MHz)
	CH06 (2437MHz)	CH06 (2437MHz)
	CH11 (2462MHz)	CH09 (2452MHz)

Above 1GHz Data

Test Mode :	Transmit(802.11b)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	21.9 °C
Polarization :	Horizontal	Relative Humidity :	59.5 %



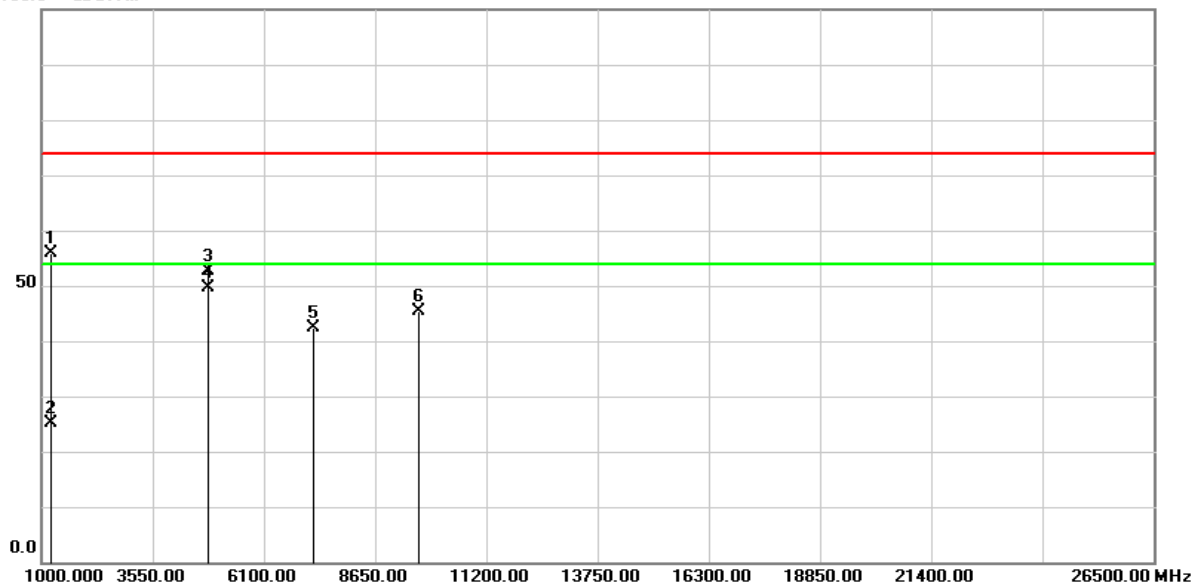
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	86.36	-31.27	55.09	74.00	-18.91	peak
2	1198.000	55.40	-31.27	24.13	54.00	-29.87	AVG
3	4824.000	77.54	-20.37	57.17	74.00	-16.83	peak
4	4824.000	71.95	-20.37	51.58	54.00	-2.42	AVG
5	7236.000	57.36	-14.57	42.79	74.00	-31.21	peak
6	9648.000	55.90	-10.51	45.39	74.00	-28.61	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11b)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	21.9 °C
Polarization :	Vertical	Relative Humidity :	59.5 %

100.0 dBuV/m



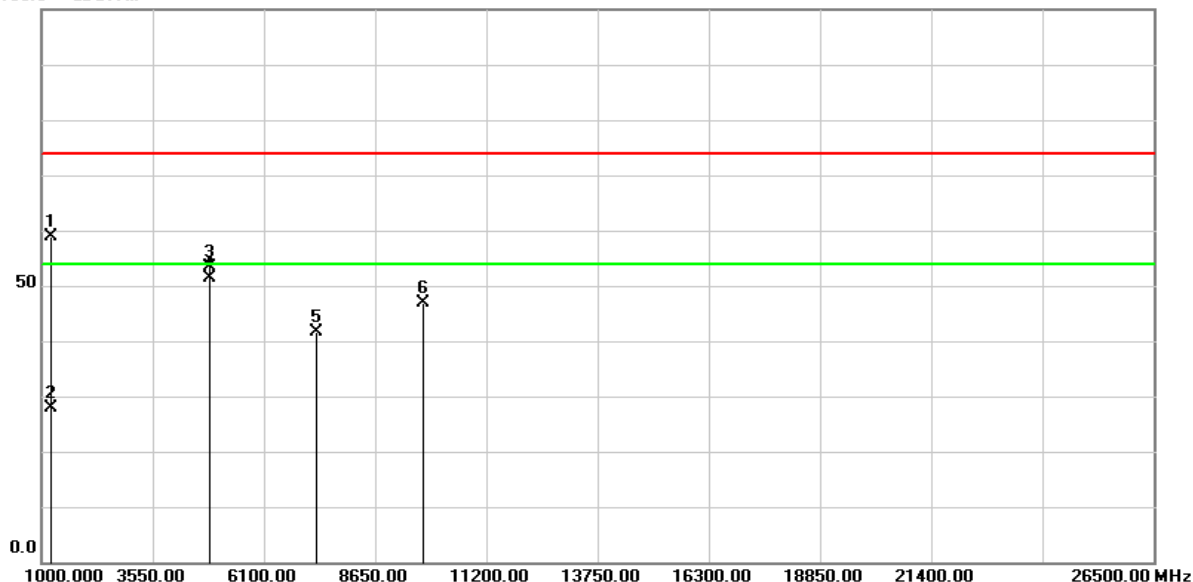
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	87.26	-31.27	55.99	74.00	-18.01	peak
2	1198.000	56.48	-31.27	25.21	54.00	-28.79	AVG
3	4824.000	72.95	-20.37	52.58	74.00	-21.42	peak
4	4824.000	70.12	-20.37	49.75	54.00	-4.25	AVG
5	7236.000	57.03	-14.57	42.46	74.00	-31.54	peak
6	9648.000	55.89	-10.51	45.38	74.00	-28.62	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11b)	Test Date :	2023/03/31
Test Channel :	CH06(2437MHz)	Temperature :	21.9 °C
Polarization :	Horizontal	Relative Humidity :	59.5 %

100.0 dBuV/m



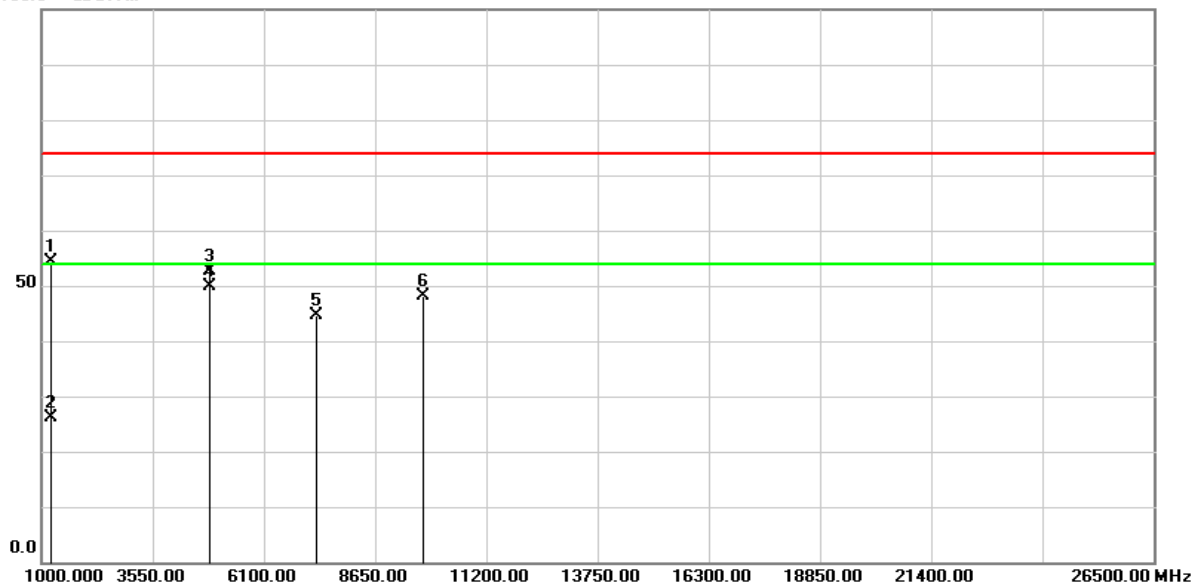
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1206.000	90.18	-31.26	58.92	74.00	-15.08	peak
2	1206.000	59.03	-31.26	27.77	54.00	-26.23	AVG
3	4874.000	73.84	-20.41	53.43	74.00	-20.57	peak
4	4874.000	71.73	-20.41	51.32	54.00	-2.68	AVG
5	7311.000	56.02	-14.30	41.72	74.00	-32.28	peak
6	9748.000	57.18	-10.29	46.89	74.00	-27.11	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11b)	Test Date :	2023/03/31
Test Channel :	CH06(2437MHz)	Temperature :	21.9 °C
Polarization :	Vertical	Relative Humidity :	59.5 %

100.0 dBuV/m



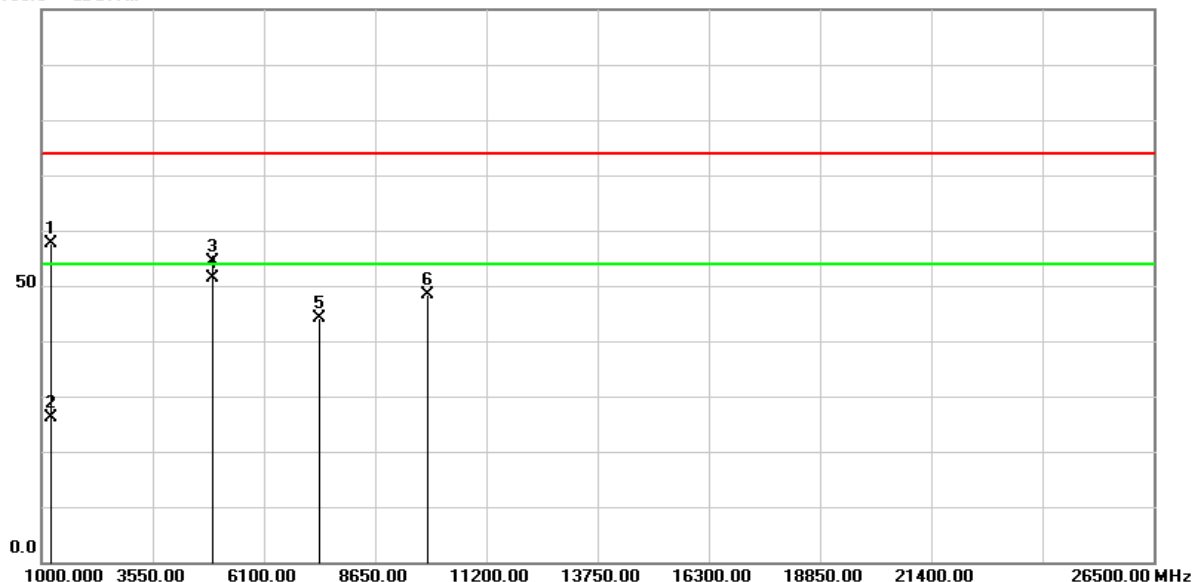
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1202.000	85.72	-31.28	54.44	74.00	-19.56	peak
2	1202.000	57.36	-31.28	26.08	54.00	-27.92	AVG
3	4874.000	73.15	-20.41	52.74	74.00	-21.26	peak
4	4874.000	70.32	-20.41	49.91	54.00	-4.09	AVG
5	7311.000	58.82	-14.30	44.52	74.00	-29.48	peak
6	9748.000	58.49	-10.29	48.20	74.00	-25.80	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11b)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	21.9 °C
Polarization :	Horizontal	Relative Humidity :	59.5 %

100.0 dBuV/m



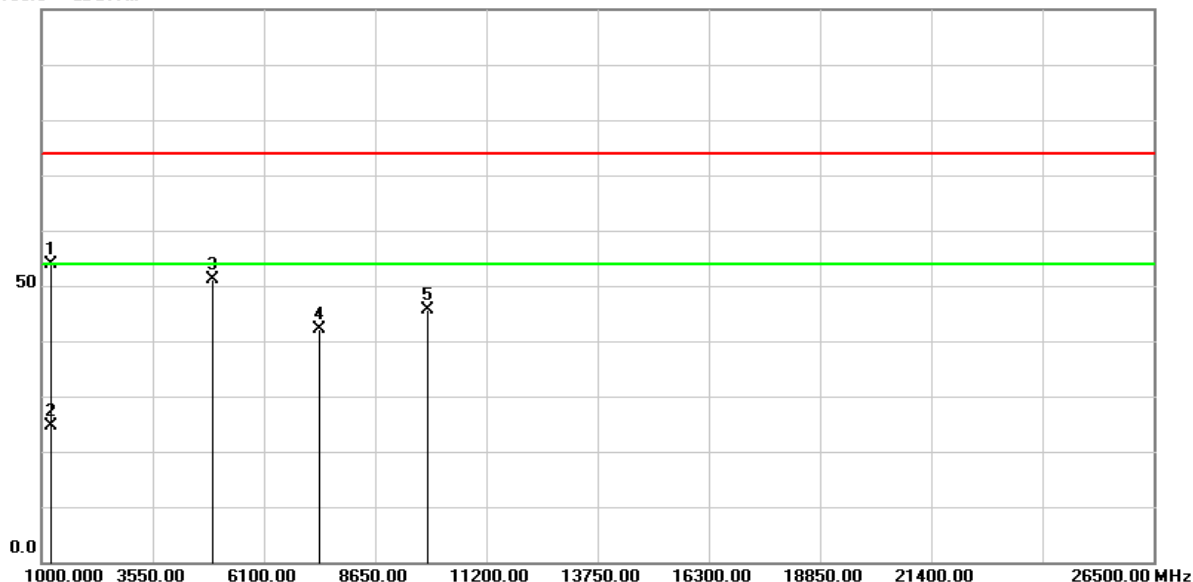
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	88.88	-31.27	57.61	74.00	-16.39	peak
2	1198.000	57.29	-31.27	26.02	54.00	-27.98	AVG
3	4924.000	74.87	-20.40	54.47	74.00	-19.53	peak
4	4924.000	71.82	-20.40	51.42	54.00	-2.58	AVG
5	7386.000	58.29	-14.28	44.01	74.00	-29.99	peak
6	9848.000	58.56	-10.16	48.40	74.00	-25.60	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11b)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	21.9 °C
Polarization :	Vertical	Relative Humidity :	59.5 %

100.0 dBuV/m



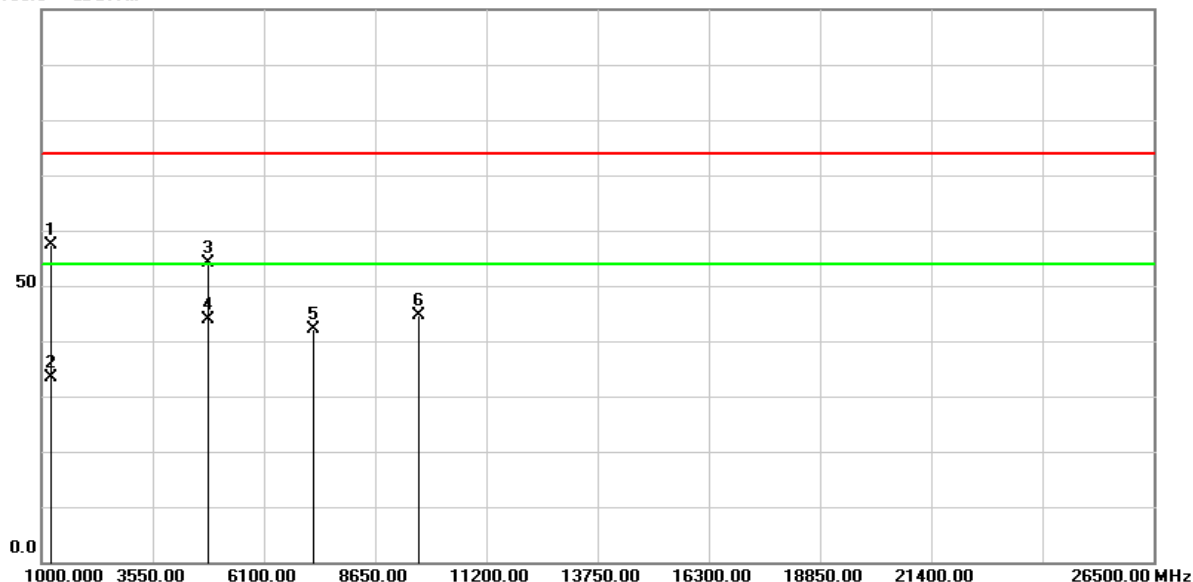
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1202.000	85.21	-31.28	53.93	74.00	-20.07	peak
2	1202.000	55.82	-31.28	24.54	54.00	-29.46	AVG
3	4924.000	71.46	-20.40	51.06	74.00	-22.94	peak
4	7386.000	56.46	-14.28	42.18	74.00	-31.82	peak
5	9848.000	55.81	-10.16	45.65	74.00	-28.35	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

100.0 dBuV/m



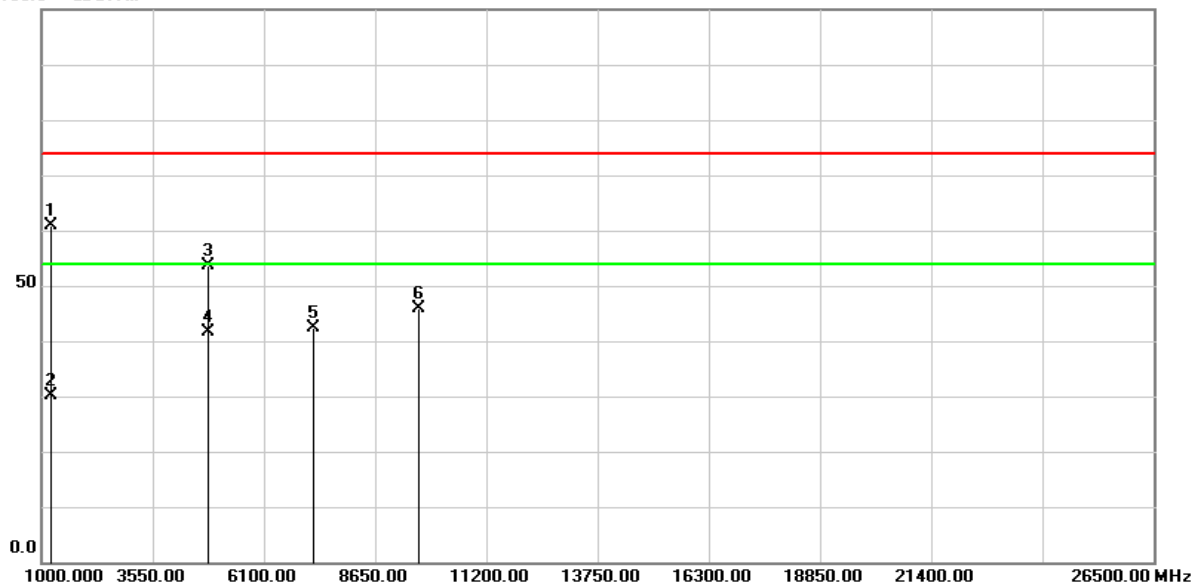
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1204.000	88.59	-31.28	57.31	74.00	-16.69	peak
2	1204.000	64.54	-31.28	33.26	54.00	-20.74	AVG
3	4824.000	74.58	-20.37	54.21	74.00	-19.79	peak
4	4824.000	64.30	-20.37	43.93	54.00	-10.07	AVG
5	7236.000	56.77	-14.57	42.20	74.00	-31.80	peak
6	9648.000	55.25	-10.51	44.74	74.00	-29.26	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

100.0 dBuV/m



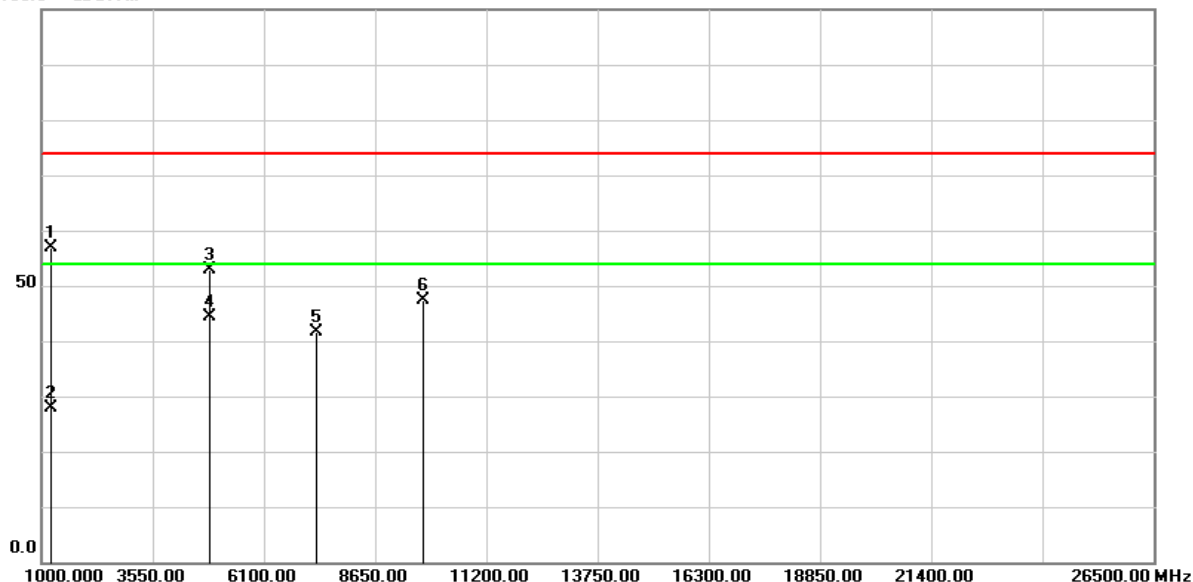
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1204.000	92.07	-31.28	60.79	74.00	-13.21	peak
2	1204.000	61.32	-31.28	30.04	54.00	-23.96	AVG
3	4824.000	74.09	-20.37	53.72	74.00	-20.28	peak
4	4824.000	61.92	-20.37	41.55	54.00	-12.45	AVG
5	7236.000	56.95	-14.57	42.38	74.00	-31.62	peak
6	9648.000	56.29	-10.51	45.78	74.00	-28.22	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH06(2437MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

100.0 dBuV/m



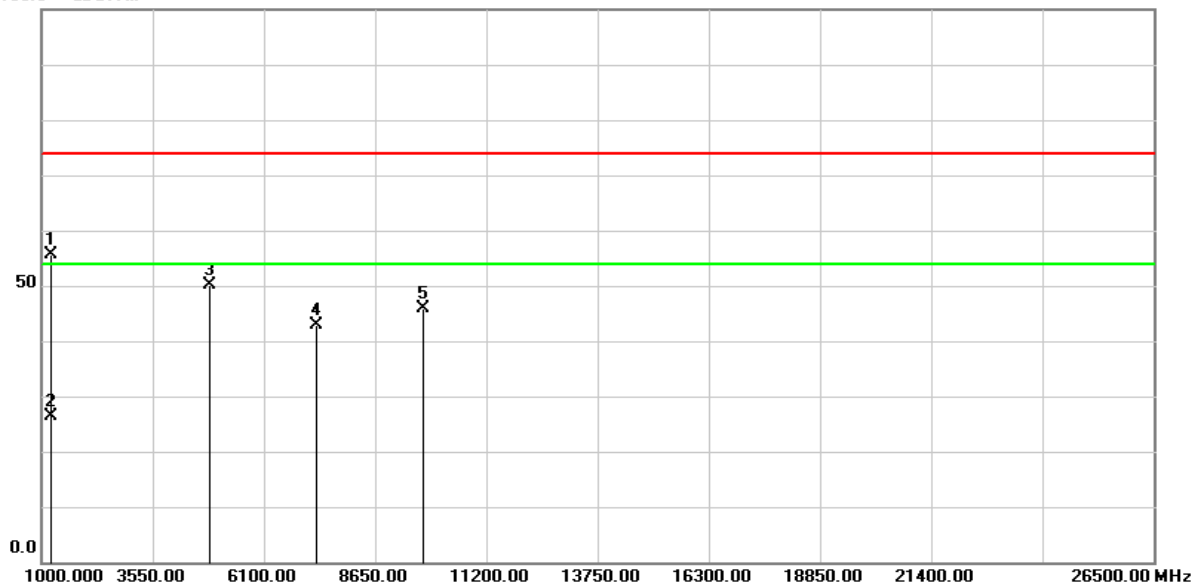
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1196.000	88.24	-31.25	56.99	74.00	-17.01	peak
2	1196.000	59.06	-31.25	27.81	54.00	-26.19	AVG
3	4874.000	73.20	-20.41	52.79	74.00	-21.21	peak
4	4874.000	64.81	-20.41	44.40	54.00	-9.60	AVG
5	7311.000	56.00	-14.30	41.70	74.00	-32.30	peak
6	9748.000	57.56	-10.29	47.27	74.00	-26.73	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH06(2437MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1204.000	86.79	-31.28	55.51	74.00	-18.49	peak
2	1204.000	57.57	-31.28	26.29	54.00	-27.71	AVG
3	4874.000	70.44	-20.41	50.03	74.00	-23.97	peak
4	7311.000	57.29	-14.30	42.99	74.00	-31.01	peak
5	9748.000	56.11	-10.29	45.82	74.00	-28.18	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

100.0 dBuV/m



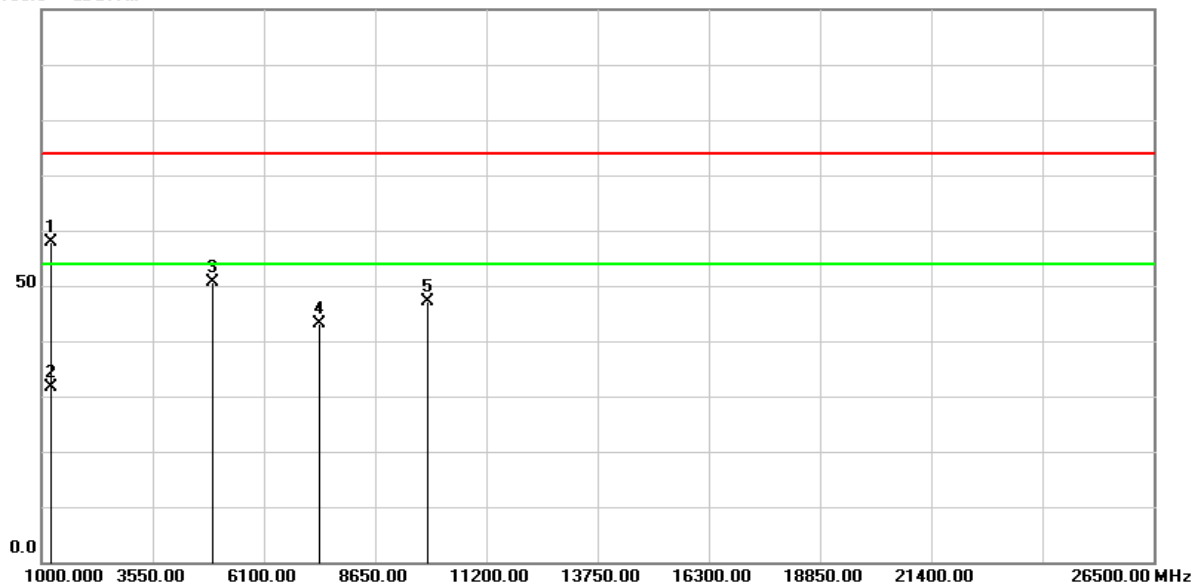
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 *	1200.000	97.98	-31.28	66.70	74.00	-7.30	peak
2	1200.000	61.99	-31.28	30.71	54.00	-23.29	AVG
3	4924.000	72.76	-20.40	52.36	74.00	-21.64	peak
4	4924.000	65.07	-20.40	44.67	54.00	-9.33	AVG
5	7386.000	56.58	-14.28	42.30	74.00	-31.70	peak
6	9848.000	57.18	-10.16	47.02	74.00	-26.98	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

100.0 dBuV/m



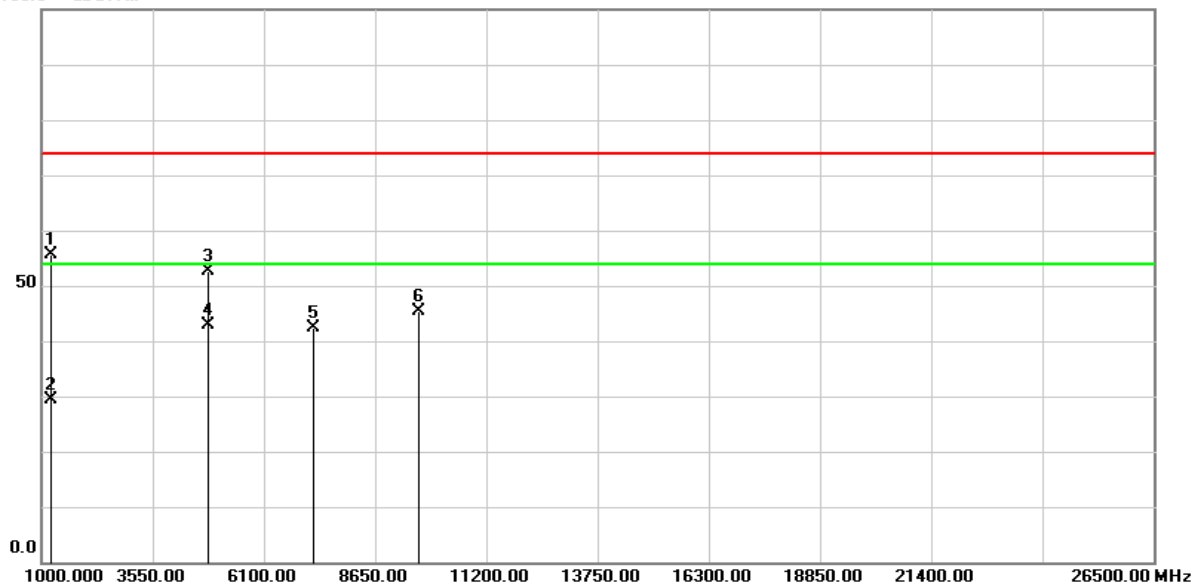
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 *	1202.000	89.24	-31.28	57.96	74.00	-16.04	peak
2	1202.000	62.84	-31.28	31.56	54.00	-22.44	AVG
3	4924.000	71.05	-20.40	50.65	74.00	-23.35	peak
4	7386.000	57.48	-14.28	43.20	74.00	-30.80	peak
5	9848.000	57.34	-10.16	47.18	74.00	-26.82	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

100.0 dBuV/m



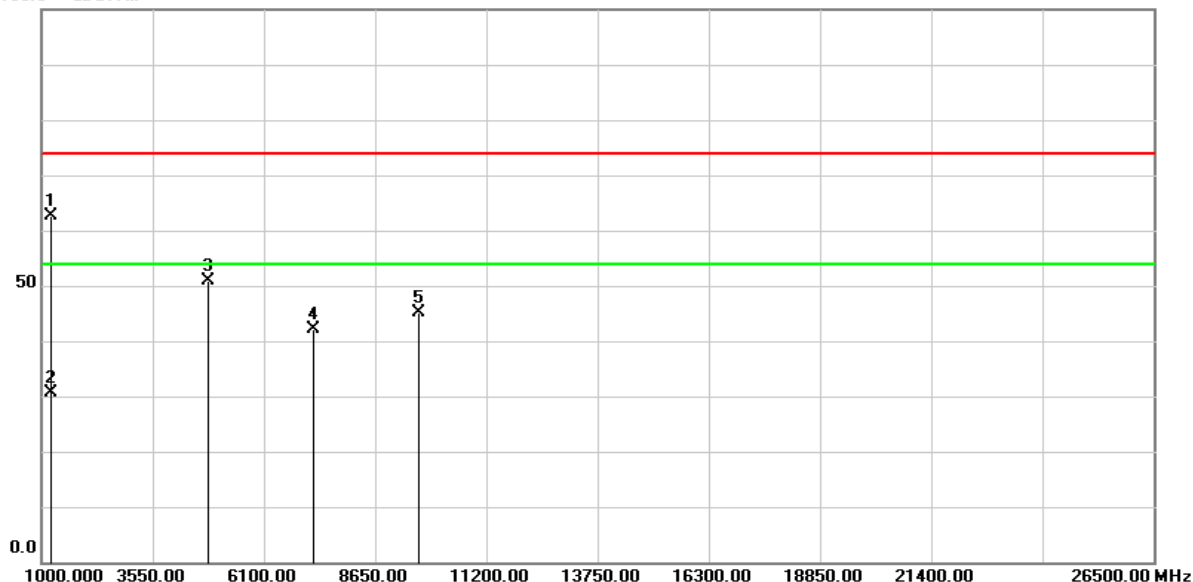
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	86.80	-31.27	55.53	74.00	-18.47	peak
2	1198.000	60.58	-31.27	29.31	54.00	-24.69	AVG
3	4824.000	73.03	-20.37	52.66	74.00	-21.34	peak
4	4824.000	63.33	-20.37	42.96	54.00	-11.04	AVG
5	7236.000	56.93	-14.57	42.36	74.00	-31.64	peak
6	9648.000	55.99	-10.51	45.48	74.00	-28.52	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH01(2412MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

100.0 dBuV/m



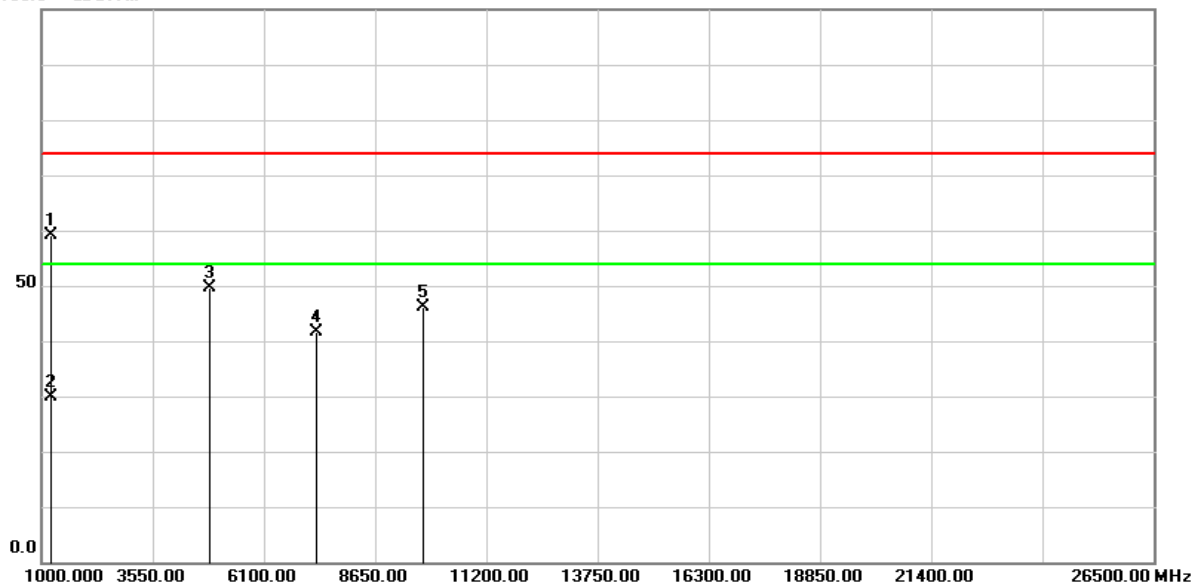
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1202.000	93.90	-31.28	62.62	74.00	-11.38	peak
2	1202.000	62.02	-31.28	30.74	54.00	-23.26	AVG
3	4824.000	71.14	-20.37	50.77	74.00	-23.23	peak
4	7236.000	56.82	-14.57	42.25	74.00	-31.75	peak
5	9648.000	55.71	-10.51	45.20	74.00	-28.80	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH06(2437MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

100.0 dBuV/m

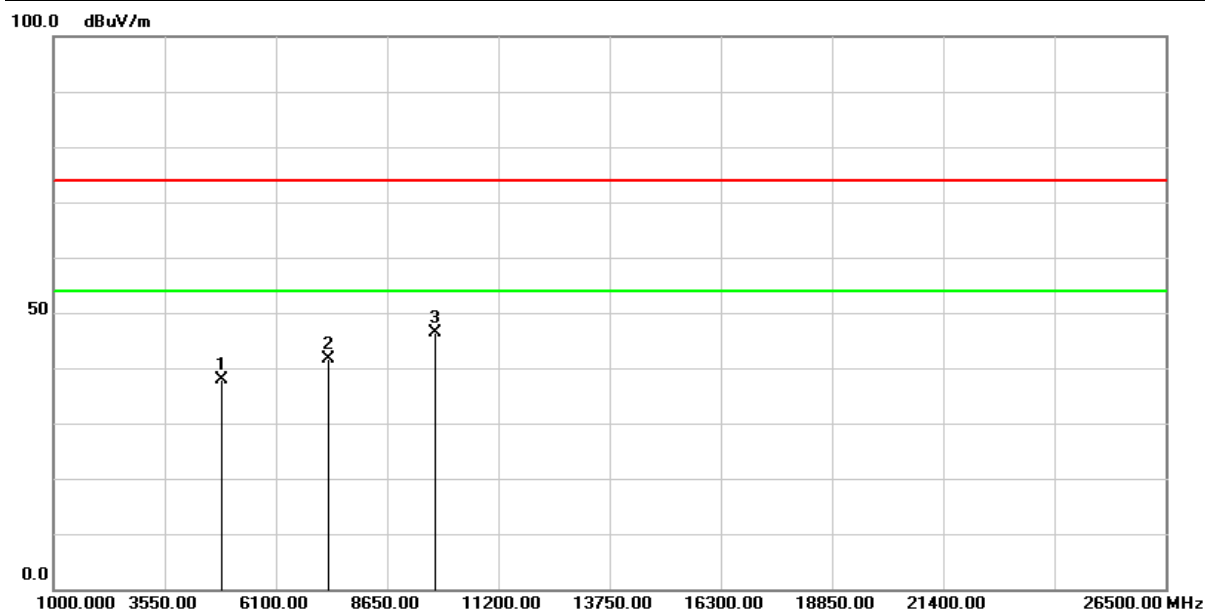


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1204.000	90.51	-31.28	59.23	74.00	-14.77	peak
2	1204.000	61.26	-31.28	29.98	54.00	-24.02	AVG
3	4874.000	70.03	-20.41	49.62	74.00	-24.38	peak
4	7311.000	55.91	-14.30	41.61	74.00	-32.39	peak
5	9748.000	56.39	-10.29	46.10	74.00	-27.90	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH06(2437MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %



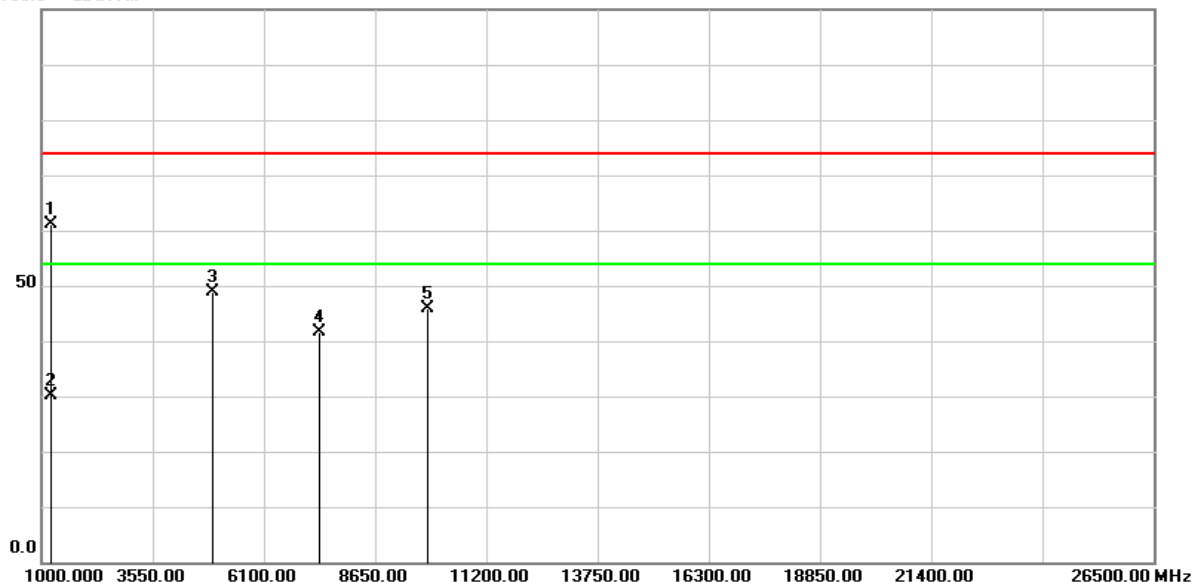
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	58.36	-20.41	37.95	74.00	-36.05	peak
2	7311.000	55.85	-14.30	41.55	74.00	-32.45	peak
3	9748.000	56.79	-10.29	46.50	74.00	-27.50	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

100.0 dBuV/m



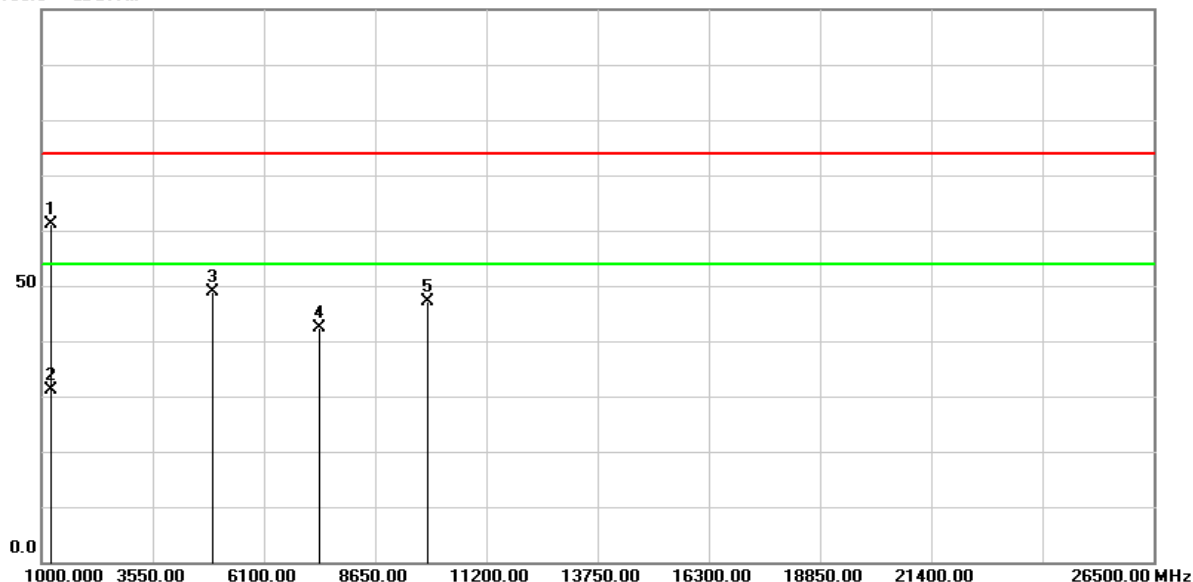
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1204.000	92.30	-31.28	61.02	74.00	-12.98	peak
2	1204.000	61.42	-31.28	30.14	54.00	-23.86	AVG
3	4924.000	69.32	-20.40	48.92	74.00	-25.08	peak
4	7386.000	55.91	-14.28	41.63	74.00	-32.37	peak
5	9848.000	56.04	-10.16	45.88	74.00	-28.12	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT20)	Test Date :	2023/03/31
Test Channel :	CH11(2462MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

100.0 dBuV/m



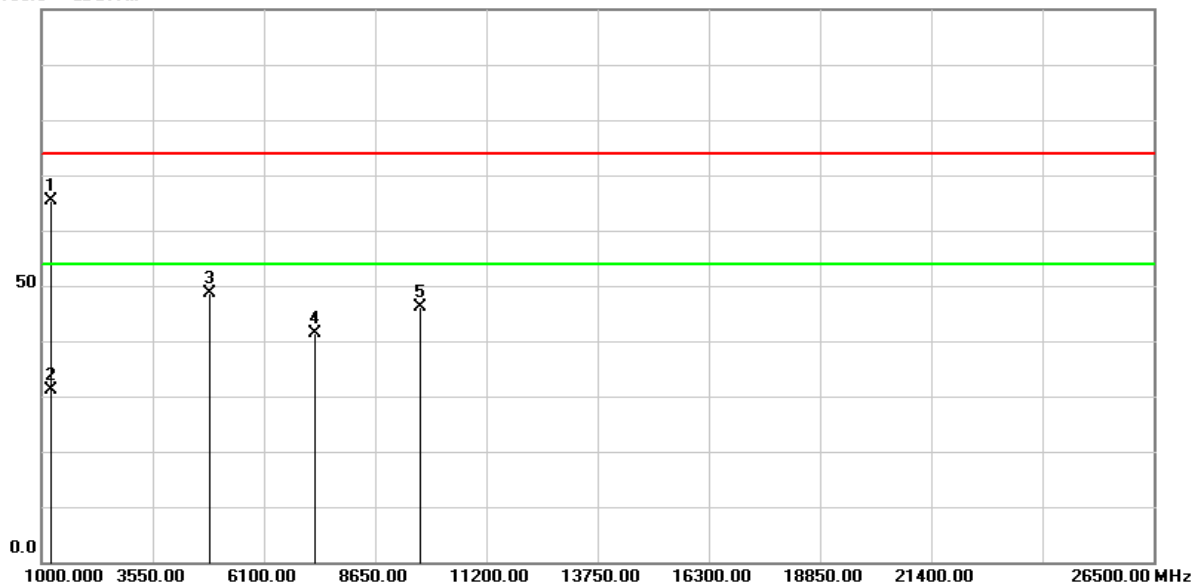
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1202.000	92.51	-31.28	61.23	74.00	-12.77	peak
2	1202.000	62.51	-31.28	31.23	54.00	-22.77	AVG
3	4924.000	69.22	-20.40	48.82	74.00	-25.18	peak
4	7386.000	56.71	-14.28	42.43	74.00	-31.57	peak
5	9848.000	57.34	-10.16	47.18	74.00	-26.82	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH03(2422MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

100.0 dBuV/m



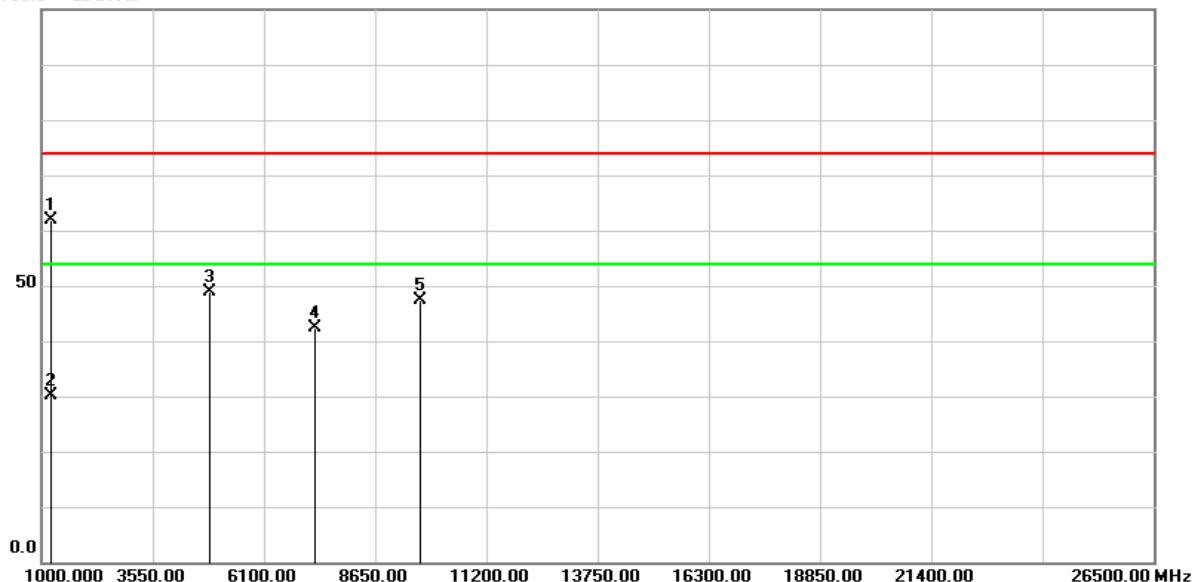
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1202.000	96.59	-31.28	65.31	74.00	-8.69	peak
2	1202.000	62.53	-31.28	31.25	54.00	-22.75	AVG
3	4844.000	68.94	-20.39	48.55	74.00	-25.45	peak
4	7266.000	55.84	-14.45	41.39	74.00	-32.61	peak
5	9688.000	56.57	-10.46	46.11	74.00	-27.89	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH03(2422MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

100.0 dBuV/m



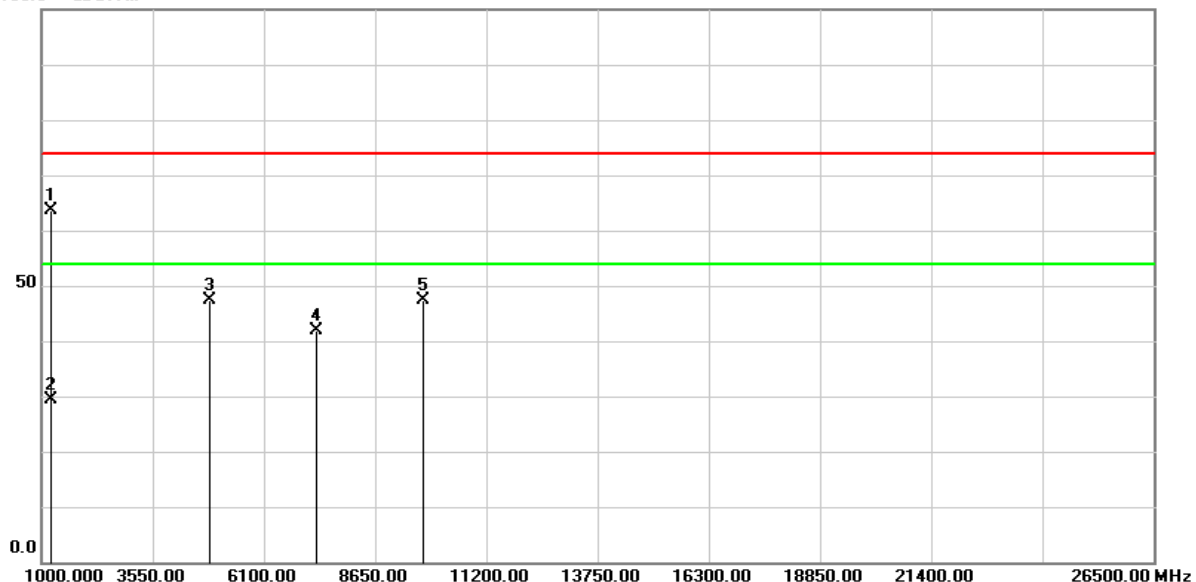
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1202.000	93.04	-31.28	61.76	74.00	-12.24	peak
2	1202.000	61.52	-31.28	30.24	54.00	-23.76	AVG
3	4844.000	69.22	-20.39	48.83	74.00	-25.17	peak
4	7266.000	56.93	-14.45	42.48	74.00	-31.52	peak
5	9688.000	57.83	-10.46	47.37	74.00	-26.63	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH06(2437MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

100.0 dBuV/m



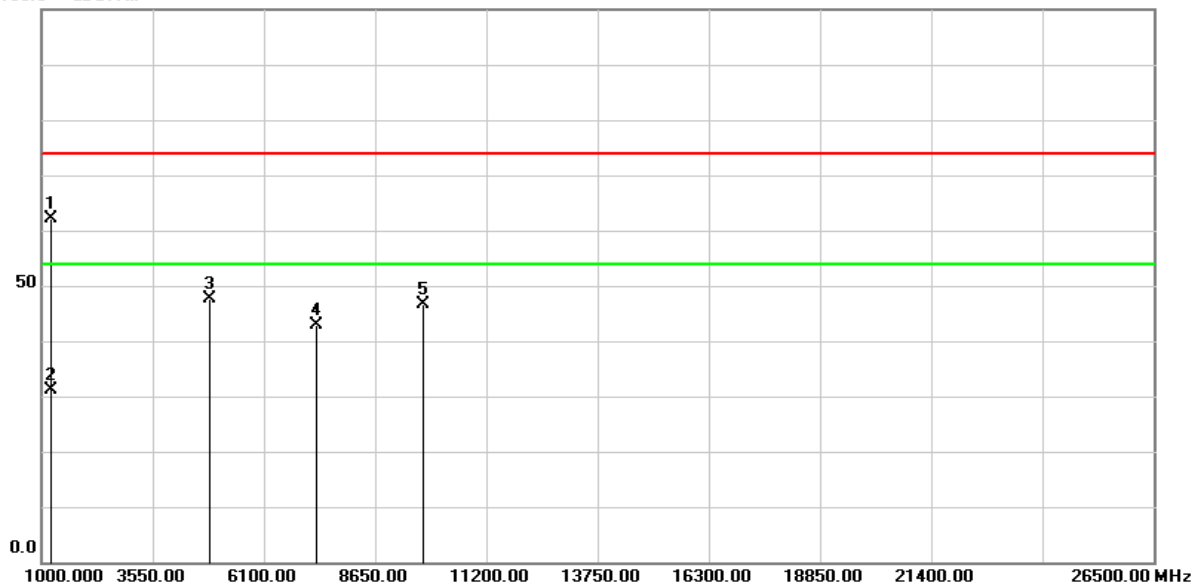
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1202.000	94.85	-31.28	63.57	74.00	-10.43	peak
2	1202.000	60.73	-31.28	29.45	54.00	-24.55	AVG
3	4874.000	67.80	-20.41	47.39	74.00	-26.61	peak
4	7311.000	56.06	-14.30	41.76	74.00	-32.24	peak
5	9748.000	57.76	-10.29	47.47	74.00	-26.53	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH06(2437MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

100.0 dBuV/m



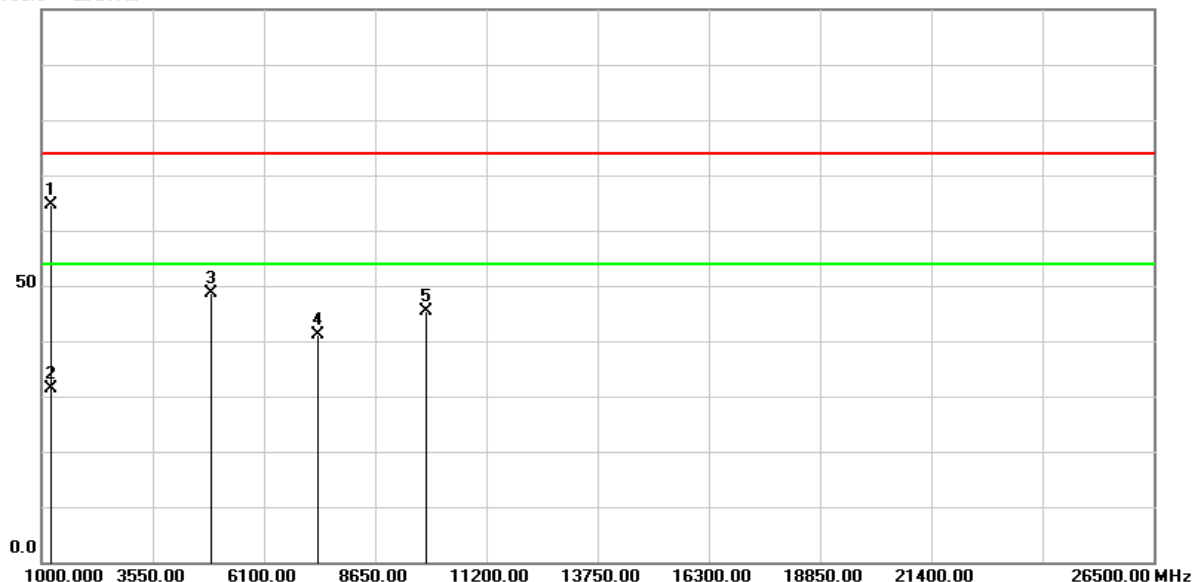
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1200.000	93.39	-31.28	62.11	74.00	-11.89	peak
2	1200.000	62.42	-31.28	31.14	54.00	-22.86	AVG
3	4874.000	68.09	-20.41	47.68	74.00	-26.32	peak
4	7311.000	57.23	-14.30	42.93	74.00	-31.07	peak
5	9748.000	56.80	-10.29	46.51	74.00	-27.49	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH09(2452MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

100.0 dBuV/m



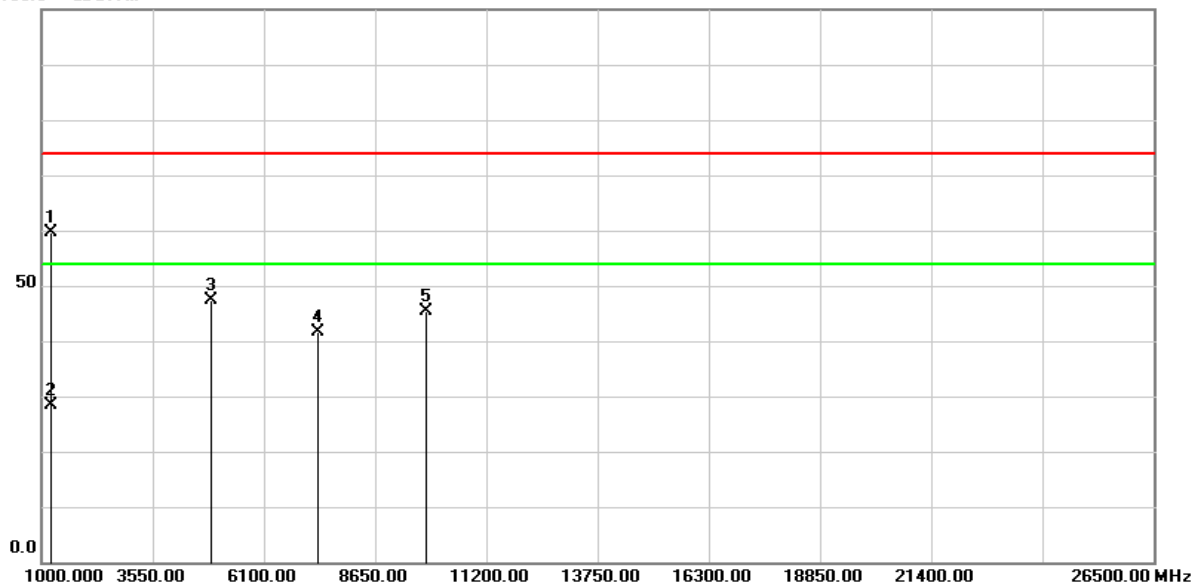
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1200.000	96.03	-31.28	64.75	74.00	-9.25	peak
2	1200.000	62.76	-31.28	31.48	54.00	-22.52	AVG
3	4904.000	68.98	-20.43	48.55	74.00	-25.45	peak
4	7356.000	55.47	-14.29	41.18	74.00	-32.82	peak
5	9808.000	55.64	-10.29	45.35	74.00	-28.65	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11n HT40)	Test Date :	2023/03/31
Test Channel :	CH09(2452MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %

100.0 dBuV/m



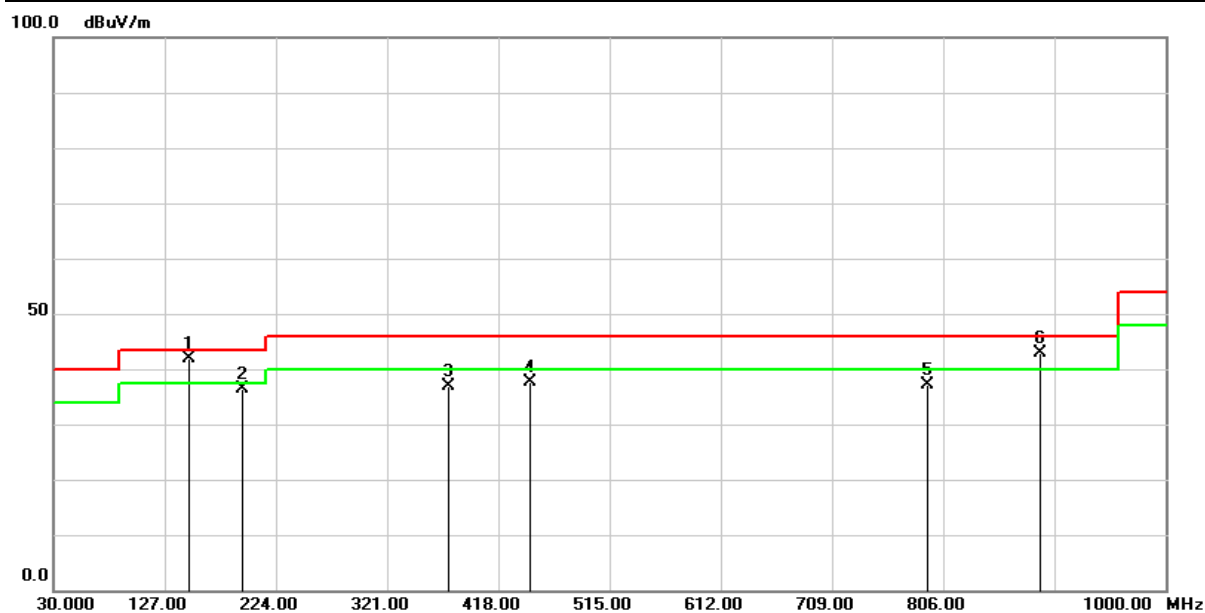
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1202.000	91.03	-31.28	59.75	74.00	-14.25	peak
2	1202.000	59.77	-31.28	28.49	54.00	-25.51	AVG
3	4904.000	67.79	-20.43	47.36	74.00	-26.64	peak
4	7356.000	55.81	-14.29	41.52	74.00	-32.48	peak
5	9808.000	55.64	-10.29	45.35	74.00	-28.65	peak

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Below 1GHz Data

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/30
Test Channel :	CH06(2437MHz)	Temperature :	23.4 °C
Polarization :	Horizontal	Relative Humidity :	58 %

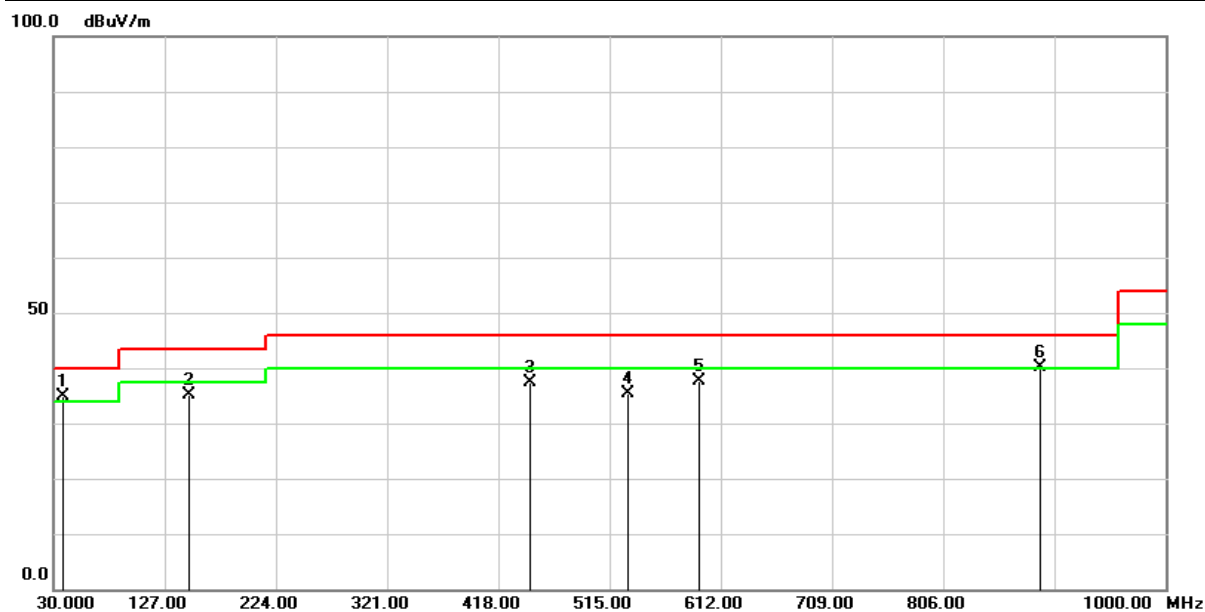


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	148.5025	52.93	-11.14	41.79	43.50	-1.71	QP
2	194.9050	50.24	-13.97	36.27	43.50	-7.23	QP
3	374.3500	45.00	-8.00	37.00	46.00	-9.00	QP
4	445.1600	43.51	-5.78	37.73	46.00	-8.27	QP
5	792.4200	35.35	1.72	37.07	46.00	-8.93	QP
6	891.1450	40.01	2.81	42.82	46.00	-3.18	QP

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

Test Mode :	Transmit(802.11g)	Test Date :	2023/03/30
Test Channel :	CH06(2437MHz)	Temperature :	23.4 °C
Polarization :	Vertical	Relative Humidity :	58 %



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	38.2300	46.82	-11.86	34.96	40.00	-5.04	QP
2	148.3400	46.31	-11.14	35.17	43.50	-8.33	QP
3	445.1600	43.28	-5.78	37.50	46.00	-8.50	QP
4	531.4900	39.57	-4.14	35.43	46.00	-10.57	QP
5	593.5700	39.98	-2.38	37.60	46.00	-8.40	QP
6	891.1150	37.29	2.81	40.10	46.00	-5.90	QP

Remark :

1. Correction Factor = Antenna factor + Cable loss – Amplifier gain
2. Result Value = Reading Level + Correct Factor
3. Margin Level = Result Value – Limit Value
4. The other emission levels were very low against the limit

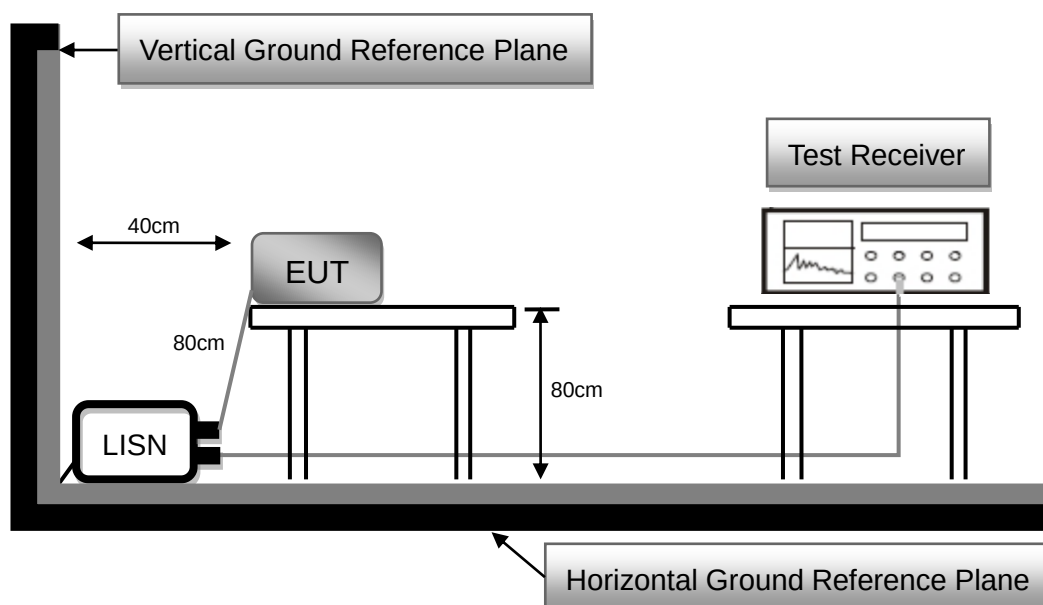
2.7 AC Conducted Emissions Measurement

2.7.1 Limit

Frequency (MHz)	FCC Part 15 Subpart C Paragraph 15.207 (dBμV) Limit	
	Quasi-peak	Average
0.15 to 0.5	66 to 56*	56 to 46*
0.50 to 5.0	56	46
5.0 to 30.0	60	50

*Decreases with the logarithm of the frequency

2.7.2 Test Setup

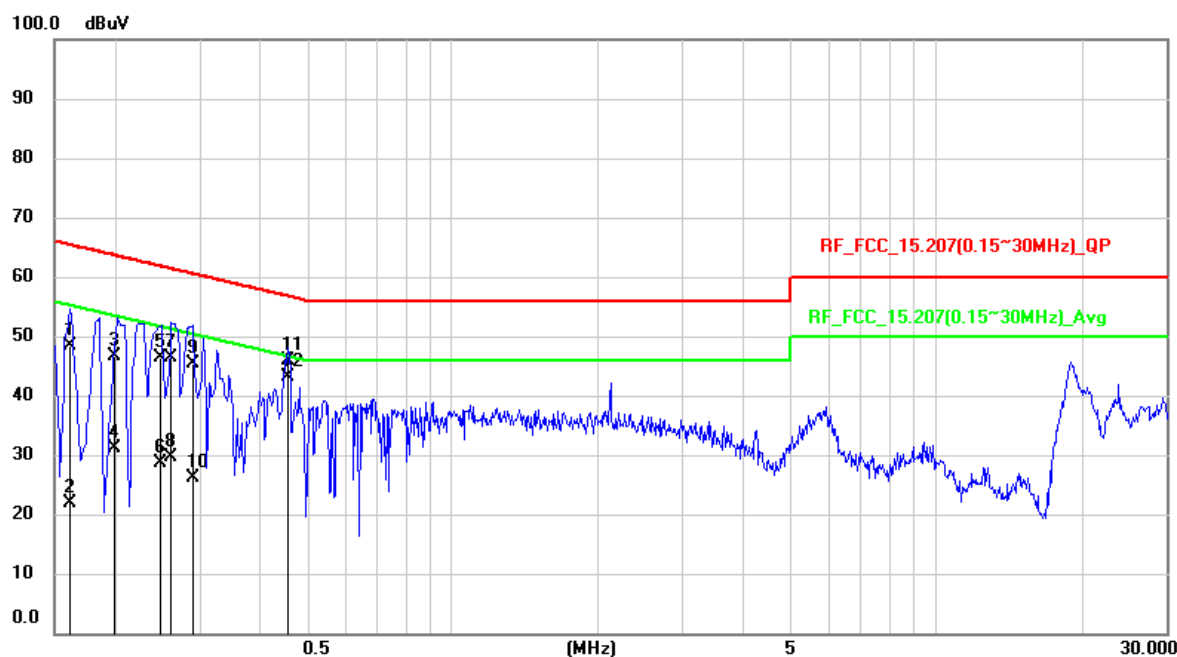


2.7.3 Test Procedure

1. Reference ANSI C63.10 : 2013 chapter 6.2
2. The EUT was placed 0.8 meter height wooden table from the horizontal ground plane with EUT being connected to power source through a line impedance stabilization network (LISN). The LISN at least be 80 cm from nearest chassis of EUT.
3. The line impedance stabilization network (LISN) provides 50 ohm/50uH of coupling impedance for the measuring instrument. All other support equipments powered from additional LISN(s).
4. Interrelating cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle. All I/O cables were positioned to simulate typical usage.
5. All I/O cables that are not connected to a peripheral shall be bundle in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. The EMI test receiver connected to LISN powering the EUT. The actual test configuration, please refer to EUT test photos.
7. The receiver scanned from 150kHz to 30MHz for emissions in each of test modes. Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz. A scan was taken on both power lines, Line and Neutral, recording at least six highest emissions.
8. The EUT and cable configuration of the above highest emission levels were recorded. The test data of the worst case was recorded.

2.7.4 Test Result

Test Voltage :	120Vac, 60Hz	Frequency Range:	0.15-30 MHz
Test Mode :	Normal Mode	6dB Bandwidth :	9 kHz
Test Date :	2023/03/28	Phase :	L
Temperature :	22°C	Humidity :	55 %

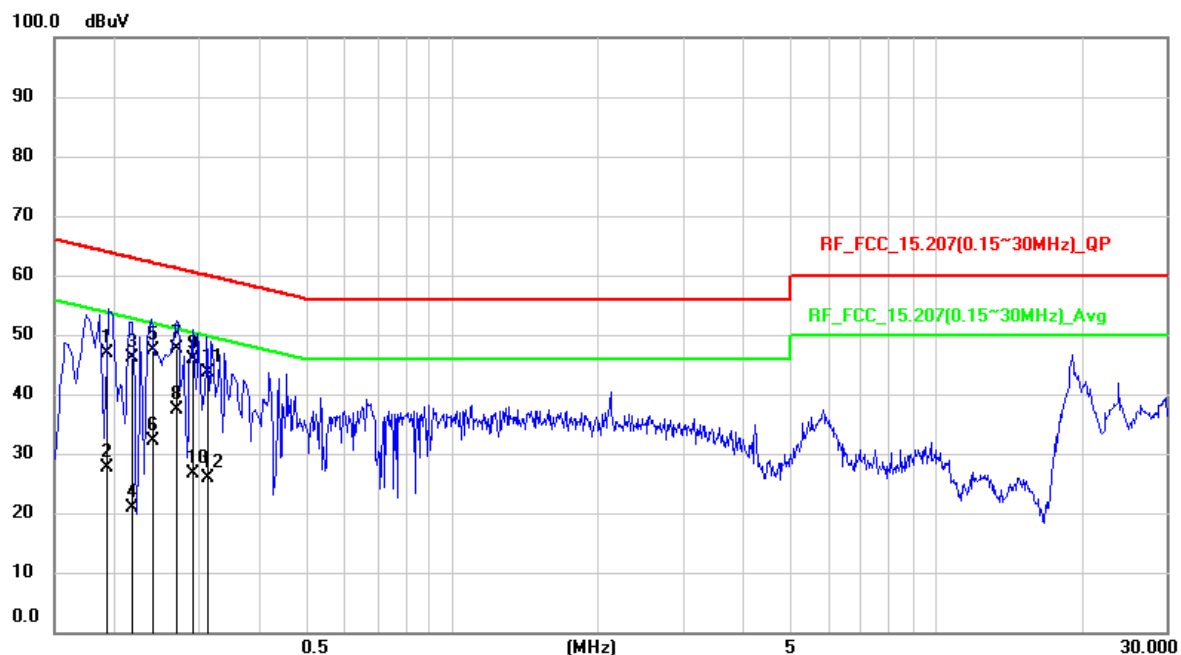


No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB)	Measurement (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1621	38.56	9.83	48.39	65.36	-16.97	QP
2	0.1621	12.03	9.83	21.86	55.36	-33.5	AVG
3	0.1995	36.92	9.82	46.74	63.63	-16.89	QP
4	0.1995	21.22	9.82	31.04	53.63	-22.59	AVG
5	0.2472	36.63	9.82	46.45	61.85	-15.4	QP
6	0.2472	18.71	9.82	28.53	51.85	-23.32	AVG
7	0.2629	36.48	9.82	46.3	61.34	-15.04	QP
8	0.2629	19.82	9.82	29.64	51.34	-21.7	AVG
9	0.2888	35.59	9.83	45.42	60.56	-15.14	QP
10	0.2888	16.26	9.83	26.09	50.56	-24.47	AVG
11	0.4546	36.07	9.83	45.9	56.79	-10.89	QP
12	0.4546	33.18	9.83	43.01	46.79	-3.78	AVG

Remark:

1. QP = Quasi Peak, AVG = Average
2. Correction Factor = Insertion loss of LISN + Cable loss
3. Measurement Value = Reading Level + Correct Factor
4. Margin Level = Measurement Value – Limit Value

Test Voltage :	120Vac, 60Hz	Frequency Range:	0.15-30 MHz
Test Mode :	Normal Mode	6dB Bandwidth :	9 kHz
Test Date :	2023/03/28	Phase :	N
Temperature :	22°C	Humidity :	55 %



No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB)	Measurement (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1918	37.17	9.8	46.97	63.96	-16.99	QP
2	0.1918	17.82	9.8	27.62	53.96	-26.34	AVG
3	0.2173	36.43	9.8	46.23	62.92	-16.69	QP
4	0.2173	11.08	9.8	20.88	52.92	-32.04	AVG
5	0.2396	37.64	9.8	47.44	62.11	-14.67	QP
6	0.2396	22.32	9.8	32.12	52.11	-19.99	AVG
7	0.2685	37.81	9.8	47.61	61.16	-13.55	QP
8	0.2685	27.59	9.8	37.39	51.16	-13.77	AVG
9	0.2887	36.02	9.81	45.83	60.56	-14.73	QP
10	0.2887	16.84	9.81	26.65	50.56	-23.91	AVG
11	0.3129	33.71	9.81	43.52	59.89	-16.37	QP
12	0.3129	16.11	9.81	25.92	49.89	-23.97	AVG

Remark:

1. QP = Quasi Peak, AVG = Average
2. Correction Factor = Insertion loss of LISN + Cable loss
3. Measurement Value = Reading Level + Correct Factor
4. Margin Level = Measurement Value – Limit Value

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