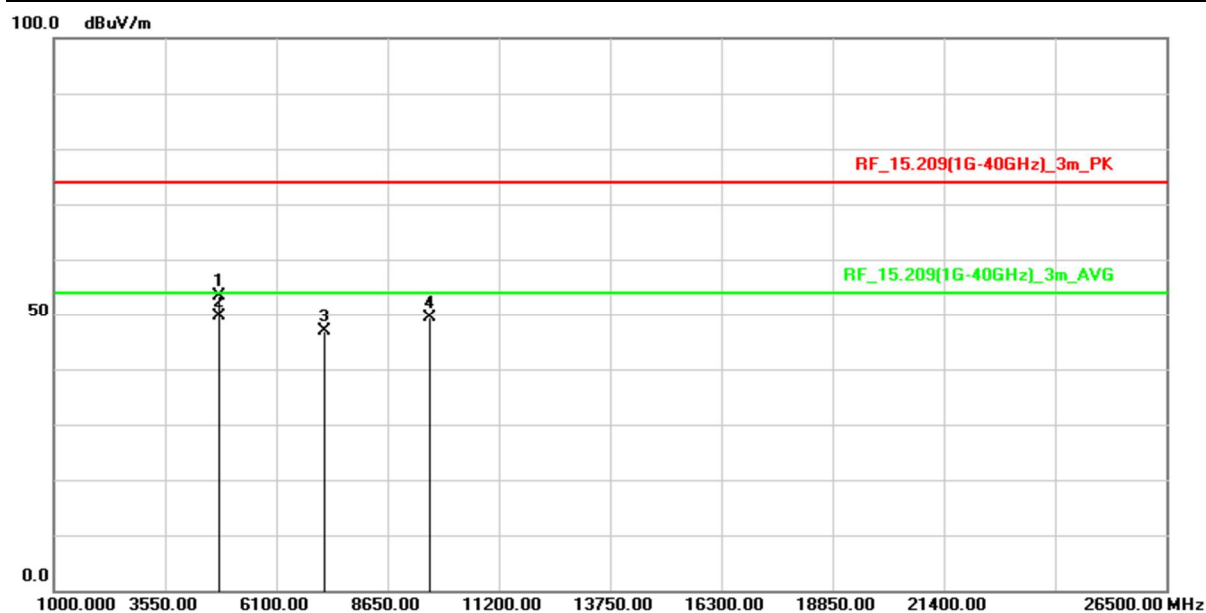


Above 1GHz Data

Test Mode :	Transmit BT-BR(1Mbps)	Test Date :	2021/11/05
Test Channel	CH00 (2402 MHz)	Temperature :	25.2 °C
Polarization :	Horizontal	Relative Humidity :	40 %

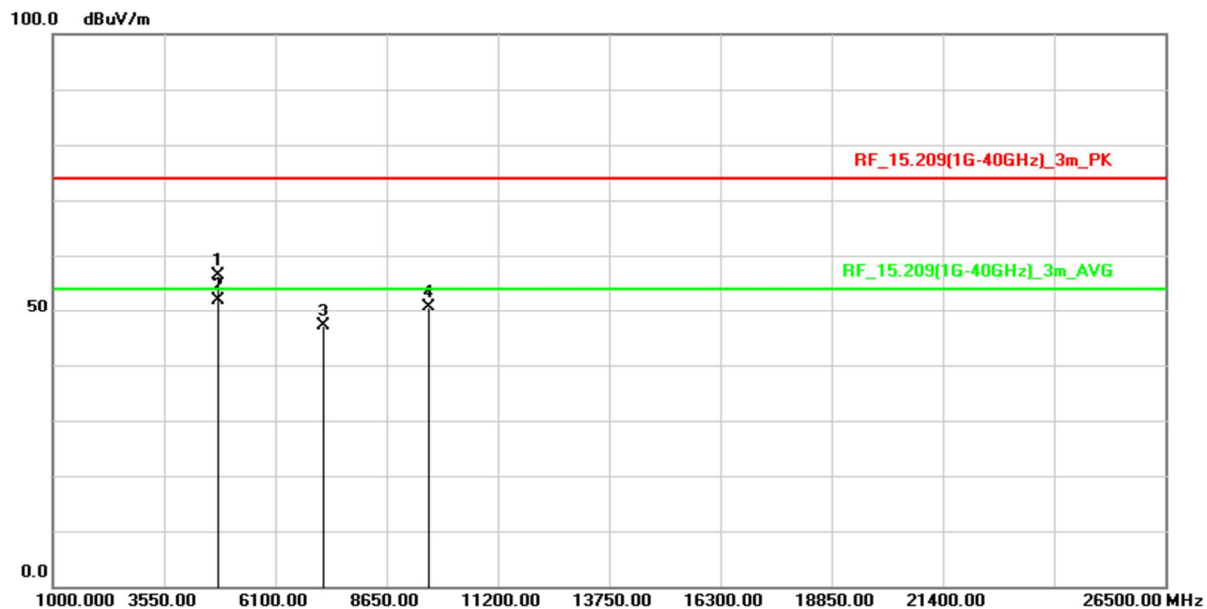


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	74.02	-20.63	53.39	74.00	-20.61	peak
2	4804.000	70.26	-20.63	49.63	54.00	-4.37	AVG
3	7206.000	61.87	-14.88	46.99	74.00	-27.01	peak
4	9608.000	60.26	-10.94	49.32	74.00	-24.68	peak

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 BT-BR(1Mbps)	Test Date :	2021/11/05
Test Channel	CH00 (2402 MHz)	Temperature :	25.2 °C
Polarization :	Vertical	Relative Humidity :	40 %



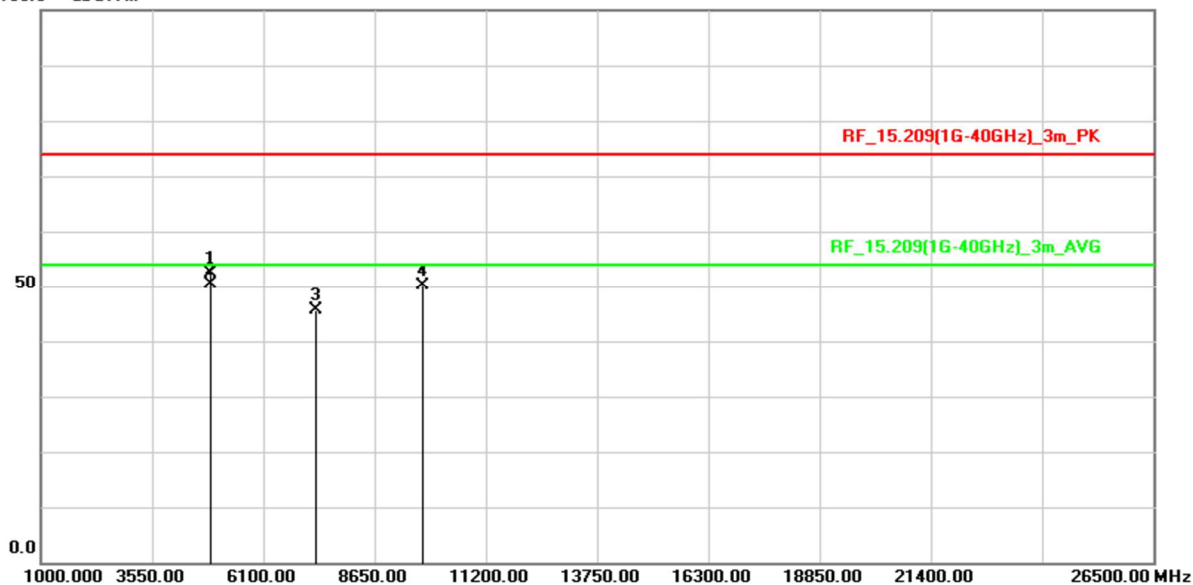
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	76.96	-20.63	56.33	74.00	-17.67	peak
2	4804.000	72.55	-20.63	51.92	54.00	-2.08	AVG
3	7206.000	62.08	-14.88	47.20	74.00	-26.80	peak
4	9608.000	61.64	-10.94	50.70	74.00	-23.30	peak

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 BT-BR(1Mbps)	Test Date :	2021/11/05
Test Channel	CH39 (2441 MHz)	Temperature :	25.2 °C
Polarization :	Horizontal	Relative Humidity :	40 %

100.0 dBuV/m



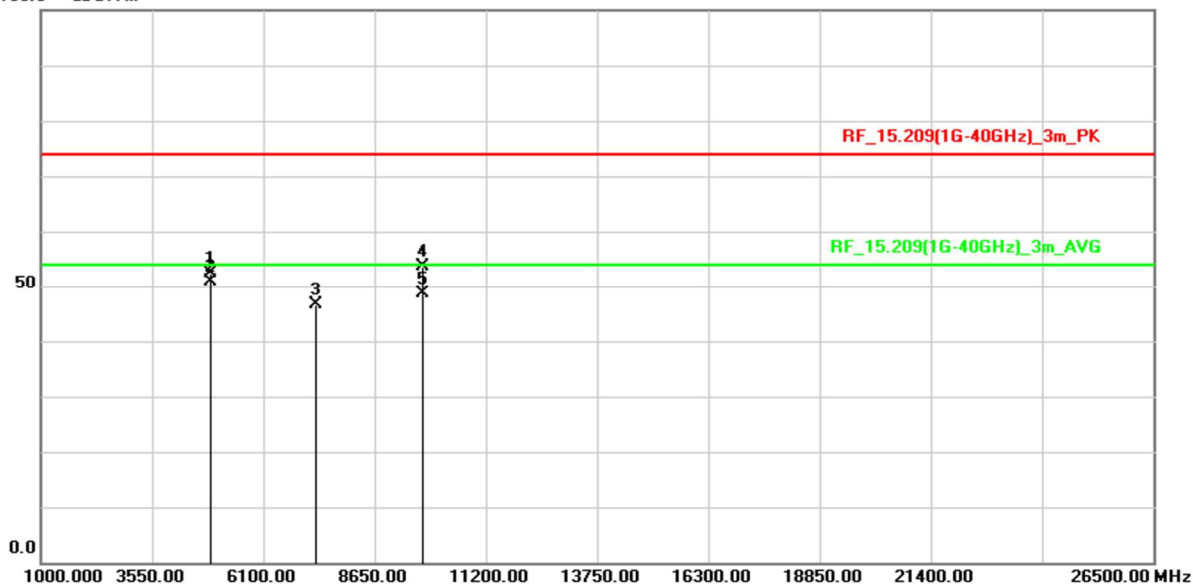
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	73.13	-20.73	52.40	74.00	-21.60	peak
2	4882.000	71.19	-20.73	50.46	54.00	-3.54	AVG
3	7323.000	60.63	-14.94	45.69	74.00	-28.31	peak
4	9764.000	60.78	-10.67	50.11	74.00	-23.89	peak

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 BT-BR(1Mbps)	Test Date :	2021/11/05
Test Channel	CH39 (2441 MHz)	Temperature :	25.2 °C
Polarization :	Vertical	Relative Humidity :	40 %

100.0 dBuV/m



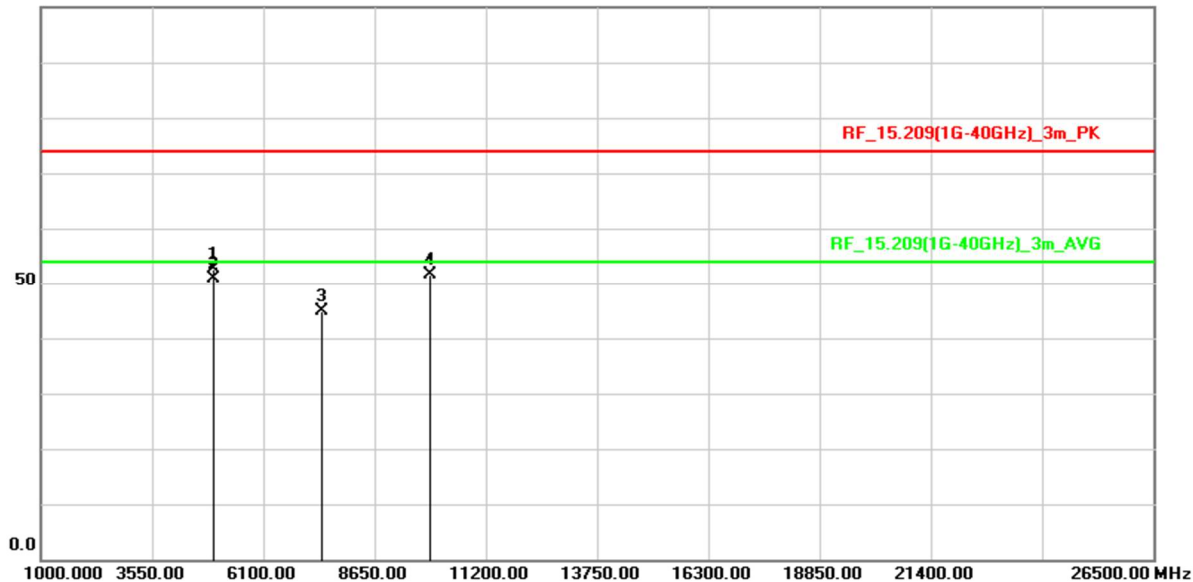
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	73.11	-20.73	52.38	74.00	-21.62	peak
2	4882.000	71.63	-20.73	50.90	54.00	-3.10	AVG
3	7323.000	61.59	-14.94	46.65	74.00	-27.35	peak
4	9764.000	64.29	-10.67	53.62	74.00	-20.38	peak
5	9764.000	59.23	-10.67	48.56	54.00	-5.44	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 BT-BR(1Mbps)	Test Date :	2021/11/05
Test Channel	CH78 (2480 MHz)	Temperature :	25.2 °C
Polarization :	Horizontal	Relative Humidity :	40 %

100.0 dBuV/m



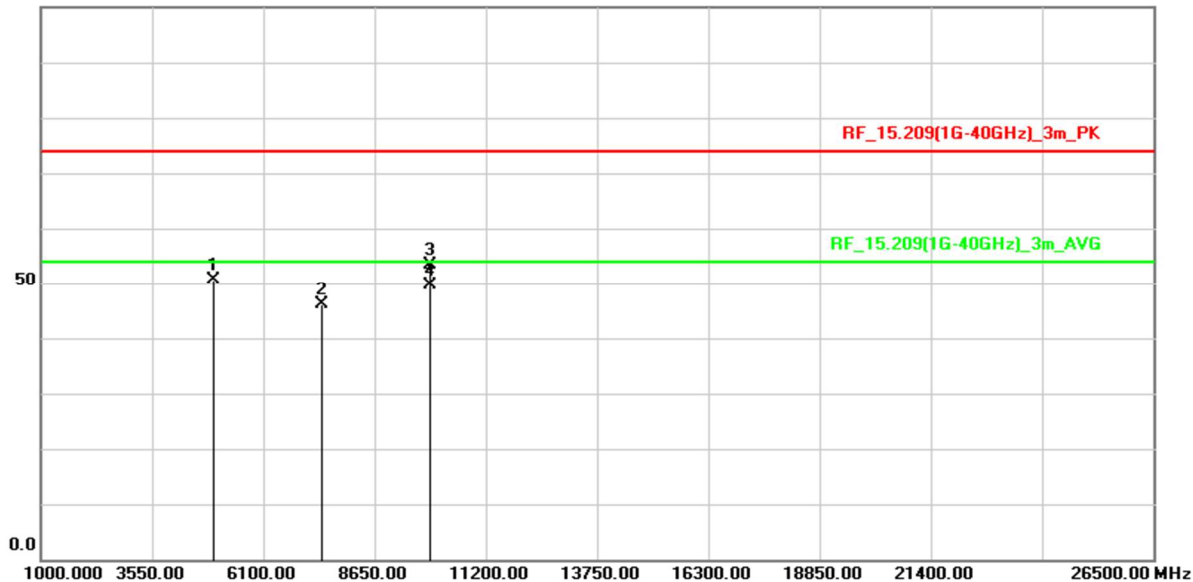
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	73.37	-20.68	52.69	74.00	-21.31	peak
2	4960.000	71.56	-20.68	50.88	54.00	-3.12	AVG
3	7440.000	59.45	-14.50	44.95	74.00	-29.05	peak
4	9920.000	62.51	-10.88	51.63	74.00	-22.37	peak

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 BT-BR(1Mbps)	Test Date :	2021/11/05
Test Channel	CH78 (2480 MHz)	Temperature :	25.2 °C
Polarization :	Vertical	Relative Humidity :	40 %

100.0 dBuV/m



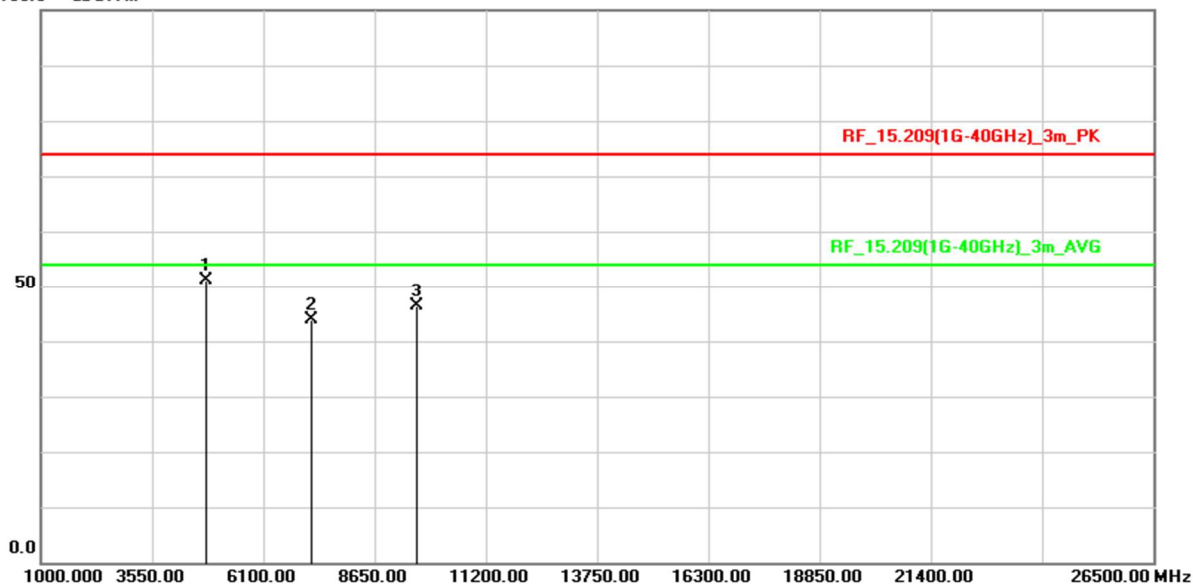
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	71.19	-20.68	50.51	74.00	-23.49	peak
2	7440.000	60.55	-14.50	46.05	74.00	-27.95	peak
3	9920.000	64.17	-10.88	53.29	74.00	-20.71	peak
4	9920.000	60.58	-10.88	49.70	54.00	-4.30	AVG

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 BT-EDR(3Mbps)	Test Date :	2021/11/05
Test Channel	CH00 (2402 MHz)	Temperature :	25.2 °C
Polarization :	Horizontal	Relative Humidity :	40 %

100.0 dBuV/m



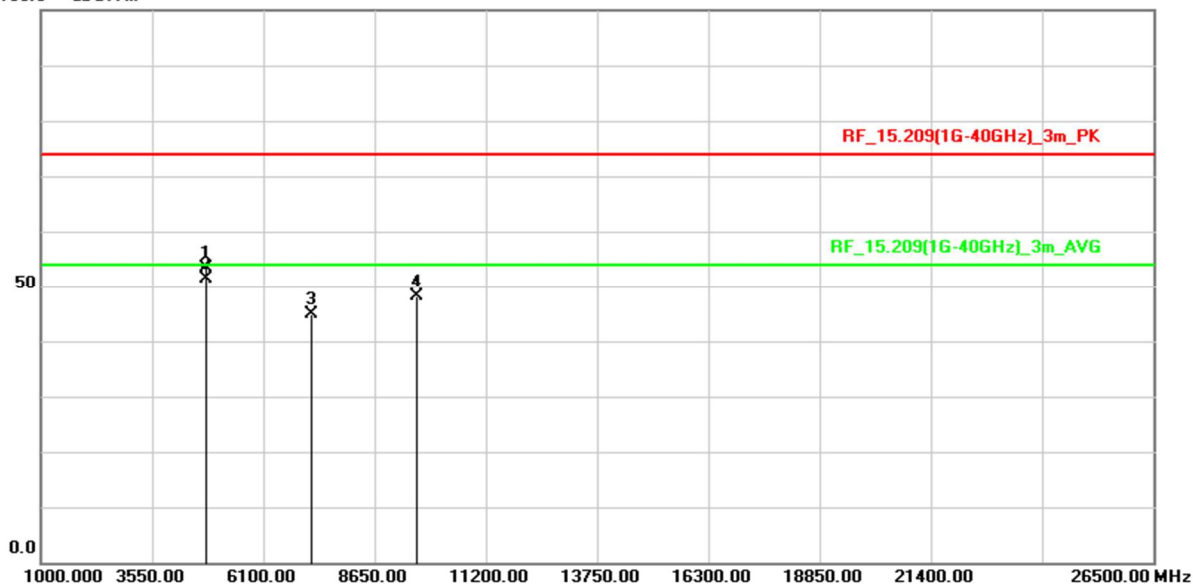
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	71.76	-20.63	51.13	74.00	-22.87	peak
2	7206.000	58.72	-14.88	43.84	74.00	-30.16	peak
3	9608.000	57.31	-10.94	46.37	74.00	-27.63	peak

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 BT-EDR(3Mbps)	Test Date :	2021/11/05
Test Channel	CH00 (2402 MHz)	Temperature :	25.2 °C
Polarization :	Vertical	Relative Humidity :	40 %

100.0 dBuV/m



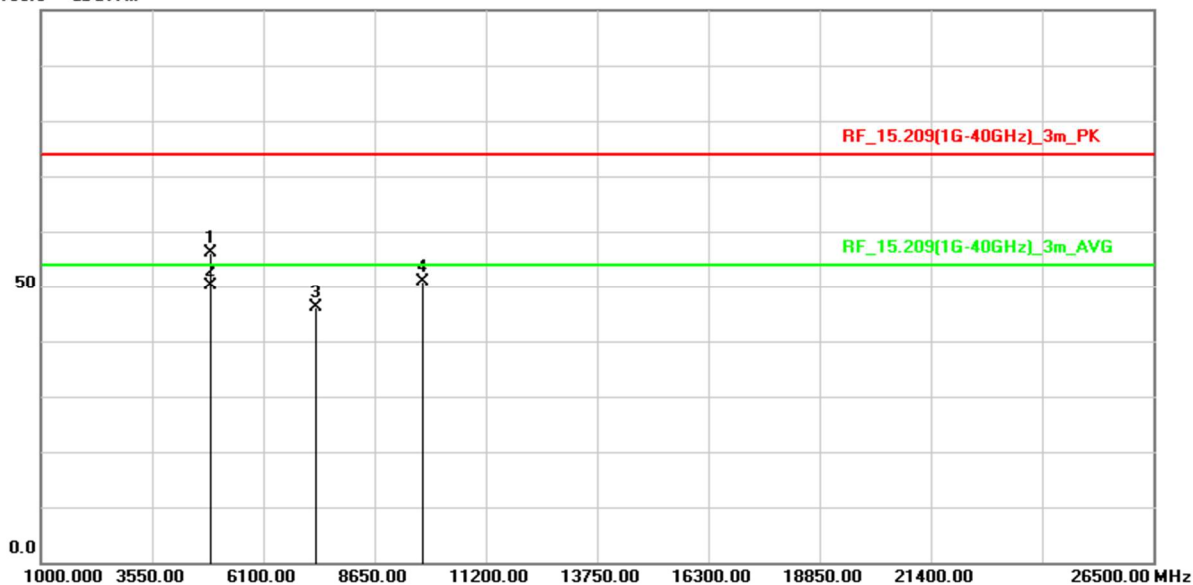
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	73.98	-20.63	53.35	74.00	-20.65	peak
2	4804.000	72.08	-20.63	51.45	54.00	-2.55	AVG
3	7206.000	59.88	-14.88	45.00	74.00	-29.00	peak
4	9608.000	59.06	-10.94	48.12	74.00	-25.88	peak

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 BT-EDR(3Mbps)	Test Date :	2021/11/05
Test Channel	CH39 (2441 MHz)	Temperature :	25.2 °C
Polarization :	Horizontal	Relative Humidity :	40 %

100.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	76.74	-20.73	56.01	74.00	-17.99	peak
2 *	4882.000	70.74	-20.73	50.01	54.00	-3.99	AVG
3	7323.000	61.17	-14.94	46.23	74.00	-27.77	peak
4	9764.000	61.65	-10.67	50.98	74.00	-23.02	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 BT-EDR(3Mbps)	Test Date :	2021/11/05
Test Channel	CH39 (2441 MHz)	Temperature :	25.2 °C
Polarization :	Vertical	Relative Humidity :	40 %

100.0 dBuV/m



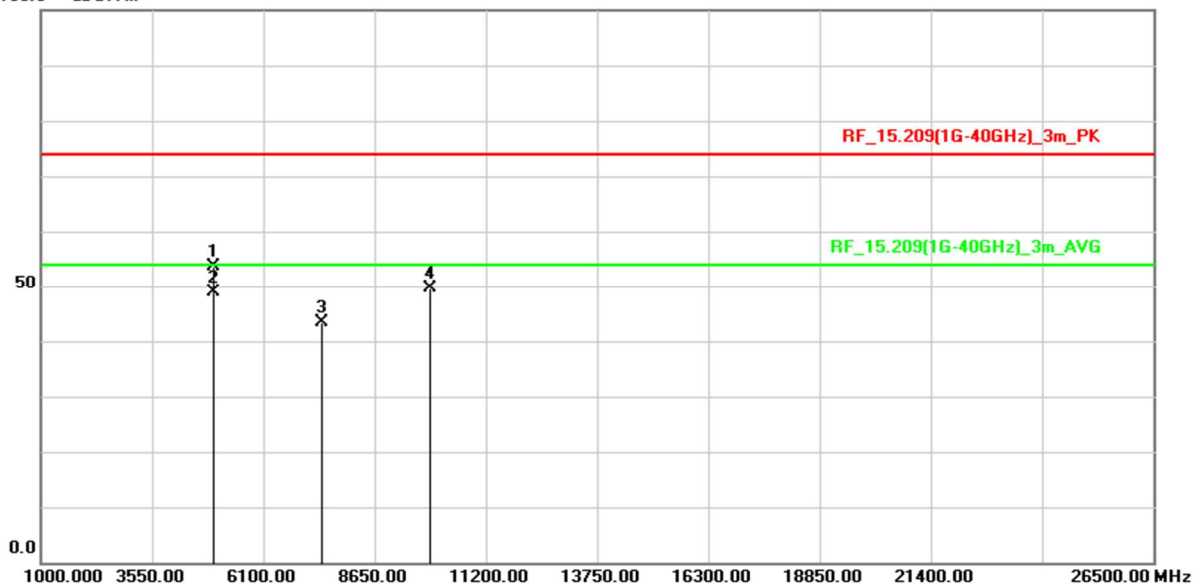
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.000	72.67	-20.73	51.94	74.00	-22.06	peak
2	4882.000	65.71	-20.73	44.98	54.00	-9.02	AVG
3	7323.000	59.97	-14.94	45.03	74.00	-28.97	peak
4	9764.000	63.24	-10.67	52.57	74.00	-21.43	peak
5	9764.000	57.16	-10.67	46.49	54.00	-7.51	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 BT-EDR(3Mbps)	Test Date :	2021/11/05
Test Channel	CH78 (2480 MHz)	Temperature :	25.2 °C
Polarization :	Horizontal	Relative Humidity :	40 %

100.0 dBuV/m



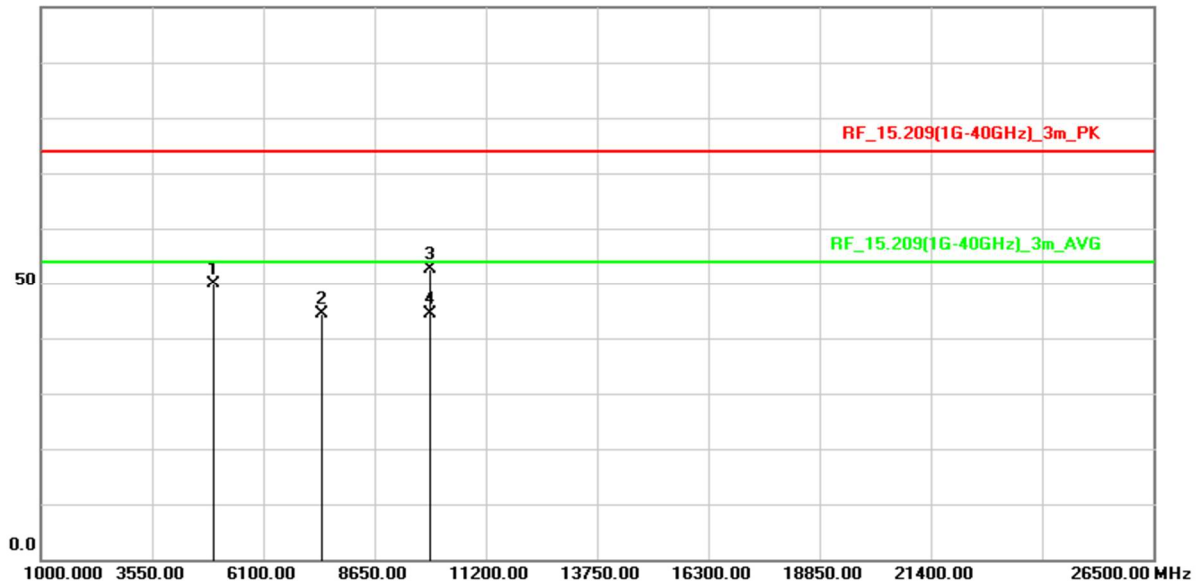
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	74.37	-20.68	53.69	74.00	-20.31	peak
2	4960.000	69.66	-20.68	48.98	54.00	-5.02	AVG
3	7440.000	57.77	-14.50	43.27	74.00	-30.73	peak
4	9920.000	60.60	-10.88	49.72	74.00	-24.28	peak

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 BT-EDR(3Mbps)	Test Date :	2021/11/05
Test Channel	CH78 (2480 MHz)	Temperature :	25.2 °C
Polarization :	Vertical	Relative Humidity :	40 %

100.0 dBuV/m



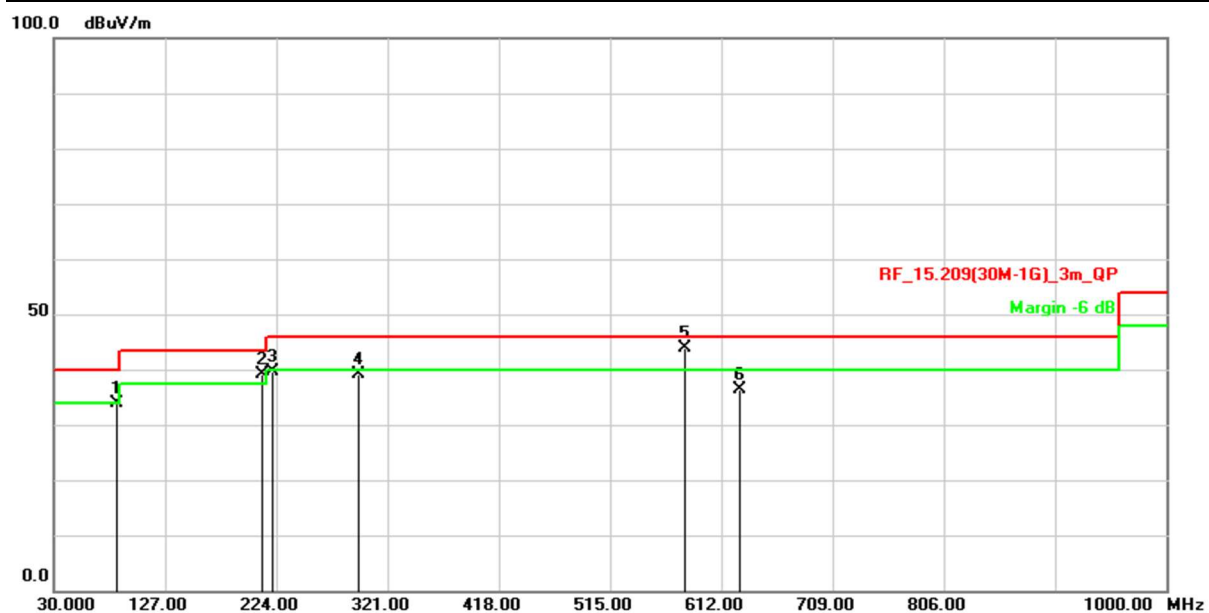
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	70.44	-20.68	49.76	74.00	-24.24	peak
2	7440.000	58.87	-14.50	44.37	74.00	-29.63	peak
3	9920.000	63.50	-10.88	52.62	74.00	-21.38	peak
4	9920.000	55.19	-10.88	44.31	54.00	-9.69	AVG

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

Below 1GHz Data

Test Mode :	Transmit BT(3Mbps)	Test Date :	2021/11/05
Test Channel	CH39 (2441 MHz)	Temperature :	25.2 °C
Polarization :	Horizontal	Relative Humidity :	40 %

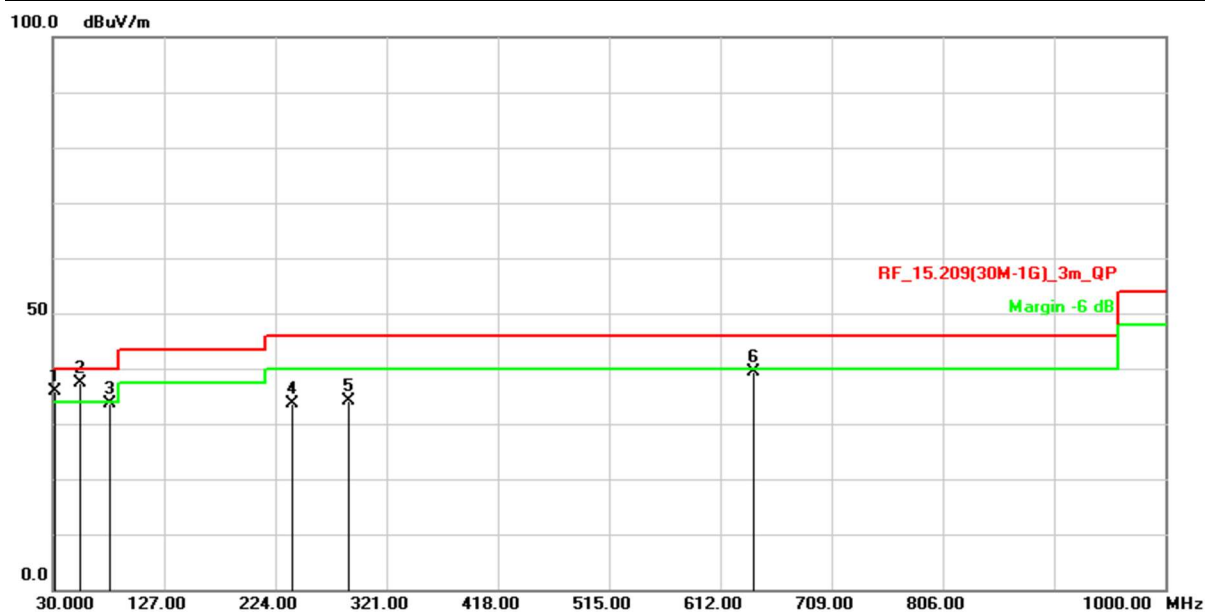


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	84.3200	50.61	-16.72	33.89	40.00	-6.11	QP
2	211.3900	53.65	-14.45	39.20	43.50	-4.30	QP
3	221.0900	54.09	-14.45	39.64	46.00	-6.36	QP
4	295.7800	49.82	-10.60	39.22	46.00	-6.78	QP
5	579.9900	47.27	-3.41	43.86	46.00	-2.14	QP
6	627.5200	38.61	-2.26	36.35	46.00	-9.65	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 BT(3Mbps)	Test Date :	2021/11/05
Test Channel	CH39 (2441 MHz)	Temperature :	25.2 °C
Polarization :	Vertical	Relative Humidity :	40 %



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	31.9250	48.54	-12.78	35.76	40.00	-4.24	QP
2	53.2800	48.98	-11.51	37.47	40.00	-2.53	QP
3	79.9500	49.53	-15.83	33.70	40.00	-6.30	QP
4	238.5500	46.52	-12.81	33.71	46.00	-12.29	QP
5	288.0200	44.95	-10.80	34.15	46.00	-11.85	QP
6	641.1000	41.40	-1.92	39.48	46.00	-6.52	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

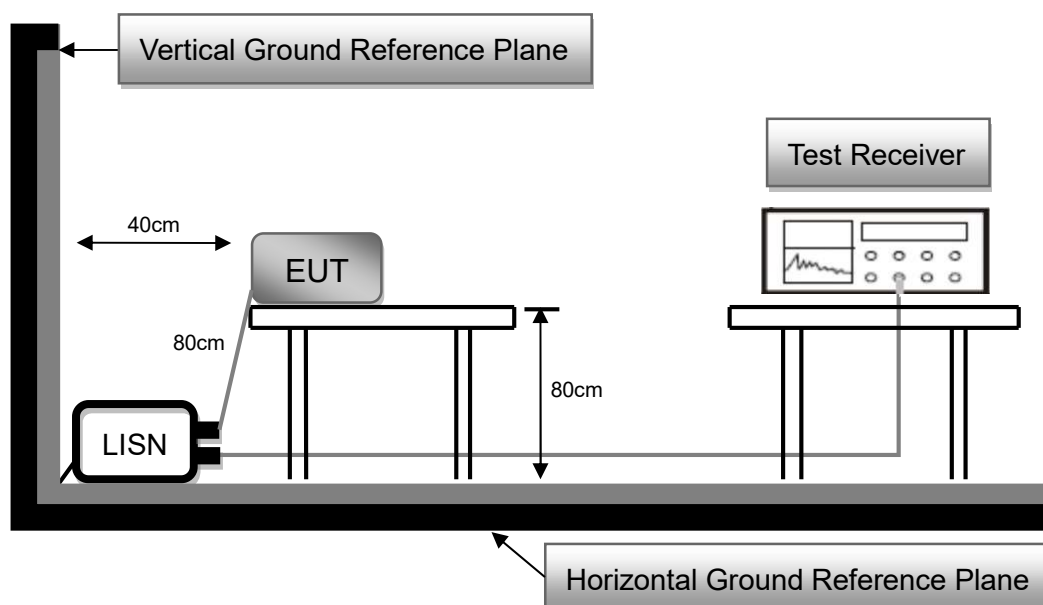
2.9 AC Conducted Emissions Measurement

2.9.1 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

2.9.2 Test Setup

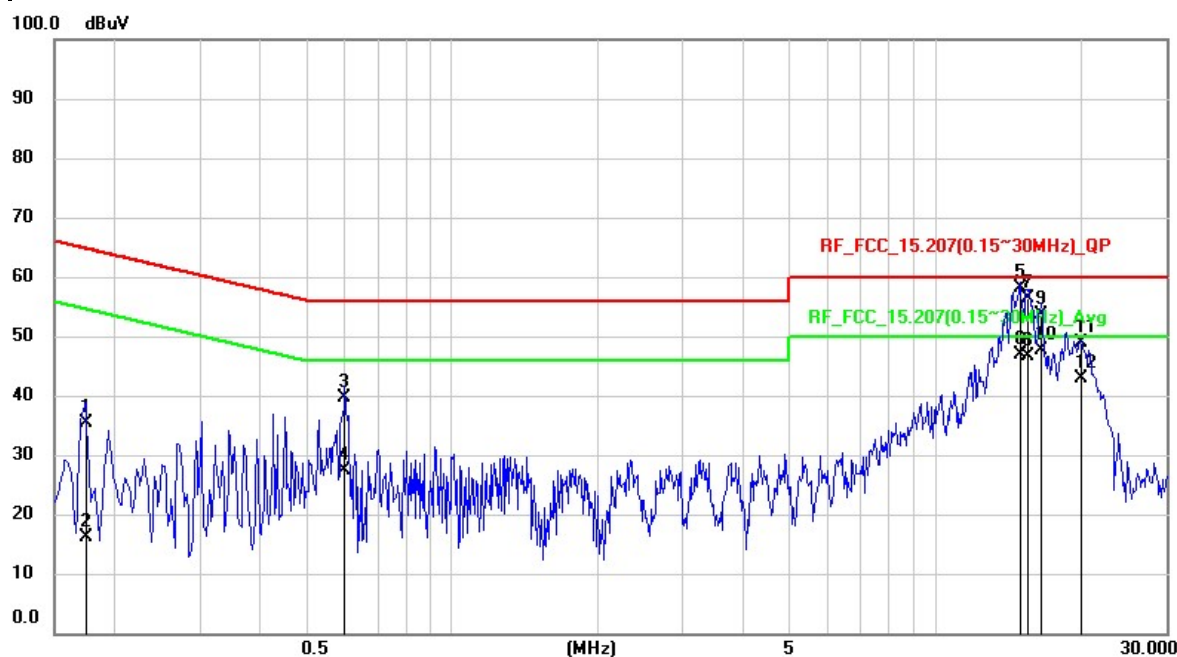


2.9.3 Test Procedure

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. 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.

2.9.4 Test Result

Test Voltage :	120Vac, 60Hz	Frequency Range:	0.15-30 MHz
Test Mode :	Normal Link	6dB Bandwidth :	9 kHz
Test Date :	2021/11/17	Phase :	L
Temperature :	26°C	Humidity :	38 %

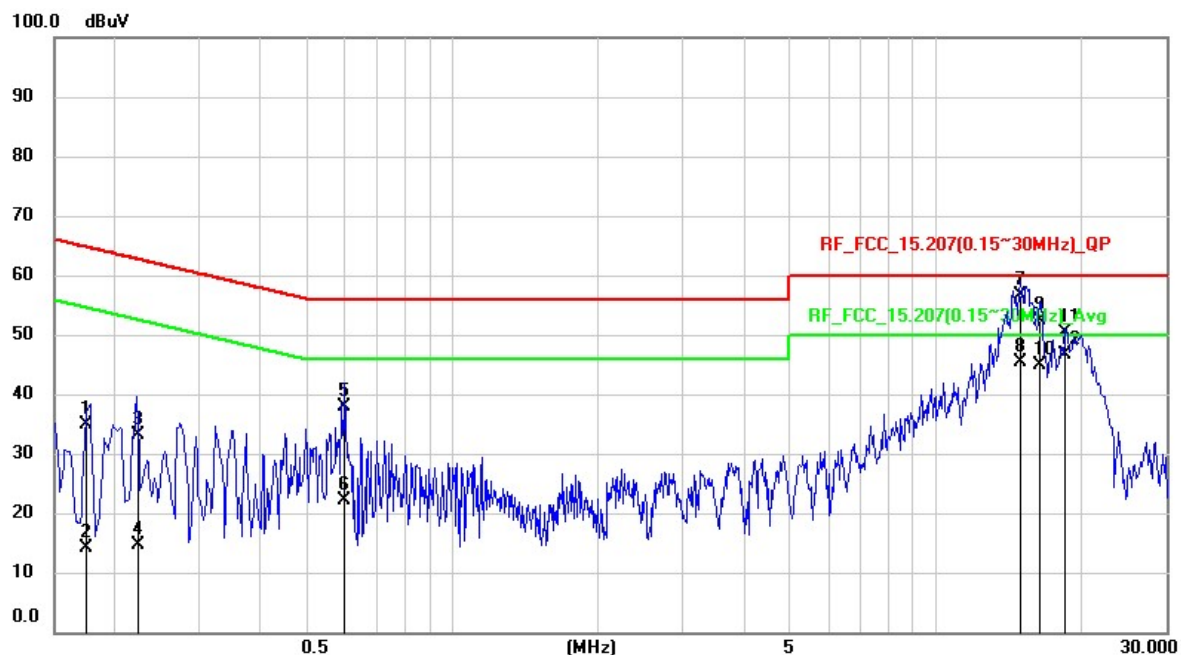


No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB)	Measurement (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1741	25.57	9.82	35.39	64.76	-29.37	QP
2	0.1741	6.37	9.82	16.19	54.76	-38.57	AVG
3	0.5984	29.75	9.81	39.56	56	-16.44	QP
4	0.5984	17.54	9.81	27.35	46	-18.65	AVG
5	14.9999	47.98	10.16	58.14	60	-1.86	QP
6	14.9999	36.64	10.16	46.8	50	-3.2	AVG
7	15.4384	46.26	10.16	56.42	60	-3.58	QP
8	15.4384	36.44	10.16	46.6	50	-3.4	AVG
9	16.52	43.31	10.2	53.51	60	-6.49	QP
10	16.52	37.49	10.2	47.69	50	-2.31	AVG
11	19.9997	38.66	10.26	48.92	60	-11.08	QP
12	19.9997	32.51	10.26	42.77	50	-7.23	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 = Result Value – Limit Value

Test Voltage :	120Vac, 60Hz	Frequency Range:	0.15-30 MHz
Test Mode :	Normal Link	6dB Bandwidth :	9 kHz
Test Date :	2021/11/17	Phase :	N
Temperature :	26°C	Humidity :	38 %



No.	Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB)	Measurement (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.174	25.14	9.83	34.97	64.77	-29.8	QP
2	0.174	4.2	9.83	14.03	54.77	-40.74	AVG
3	0.2235	23.36	9.84	33.2	62.69	-29.49	QP
4	0.2235	4.72	9.84	14.56	52.69	-38.13	AVG
5	0.597	27.95	9.81	37.76	56	-18.24	QP
6	0.597	12.34	9.81	22.15	46	-23.85	AVG
7	15.0811	46.56	10.16	56.72	60	-3.28	QP
8	15.0811	35.25	10.16	45.41	50	-4.59	AVG
9	16.401	42.25	10.19	52.44	60	-7.56	QP
10	16.401	34.65	10.19	44.84	50	-5.16	AVG
11	18.6408	40.08	10.23	50.31	60	-9.69	QP
12	18.6408	36.49	10.23	46.72	50	-3.28	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 = Result Value – Limit Value

--- END ---