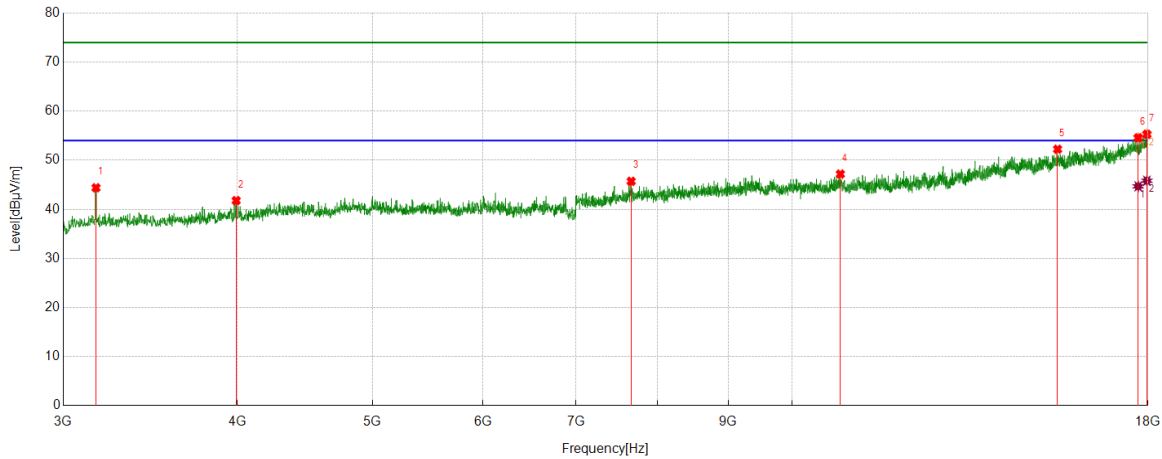


Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Vertical	PASS



PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	3166.8959	53.99	-9.60	44.39	74.00	-29.61	Vertical
2	3991.999	48.85	-7.07	41.78	74.00	-32.22	Vertical
3	7665.5832	44.22	1.49	45.71	74.00	-28.29	Vertical
4	10829.1036	43.00	4.18	47.18	74.00	-26.82	Vertical
5	15504.063	39.50	12.74	52.24	74.00	-21.76	Vertical
6	17711.2139	36.73	17.85	54.58	74.00	-19.42	Vertical
7	17968.121	36.65	18.65	55.30	74.00	-18.70	Vertical

AV Result:

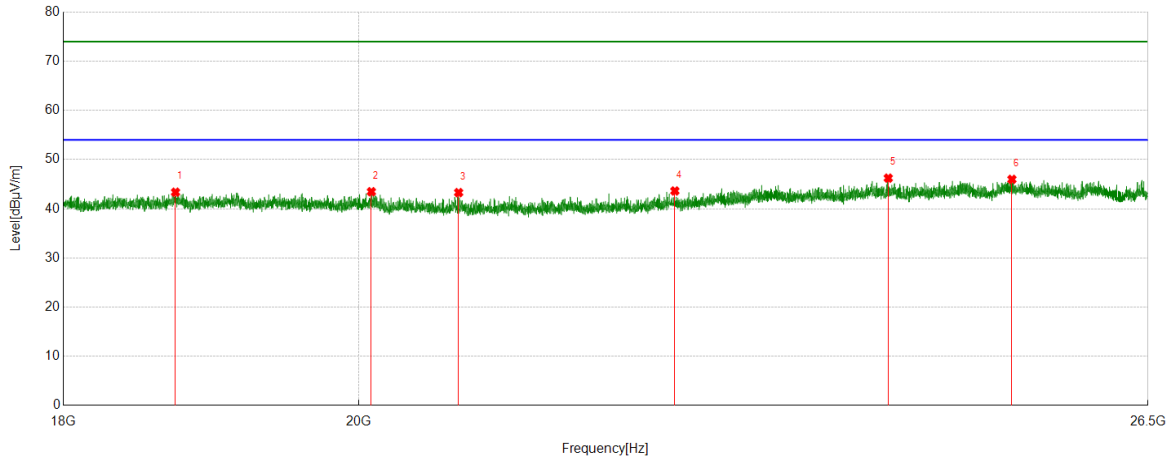
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17711.2139	26.83	17.85	44.68	54.00	-9.32	Vertical
2	17968.121	27.17	18.65	45.82	54.00	-8.18	Vertical

- Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 - Peak detector: RBW: 1 MHz, VBW: 3 MHz.
 - Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
 - For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
 - Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Part 3: 18GHz~26.5GHz

SPURIOUS EMISSIONS 18GHz TO 26.5GHz (WORST-CASE CONFIGURATION)

Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS

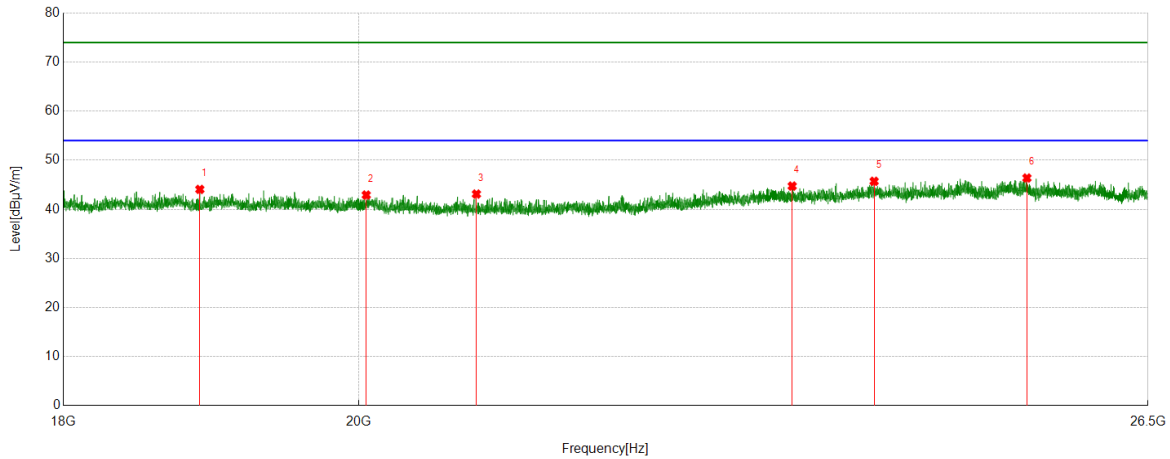


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	18735.3235	49.60	-6.23	43.37	74.00	-30.63	Horizontal
2	20090.359	48.62	-5.15	43.47	74.00	-30.53	Horizontal
3	20725.3725	49.19	-5.90	43.29	74.00	-30.71	Horizontal
4	22386.4386	48.59	-4.97	43.62	74.00	-30.38	Horizontal
5	24156.3156	48.98	-2.75	46.23	74.00	-27.77	Horizontal
6	25245.2745	49.34	-3.36	45.98	74.00	-28.02	Horizontal

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
 3. Measurement = Reading Level + Correct Factor,
 Correct Factor = Antenna Factor + Loss (Cable) – Amplifier Gain.
 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



PK Result:

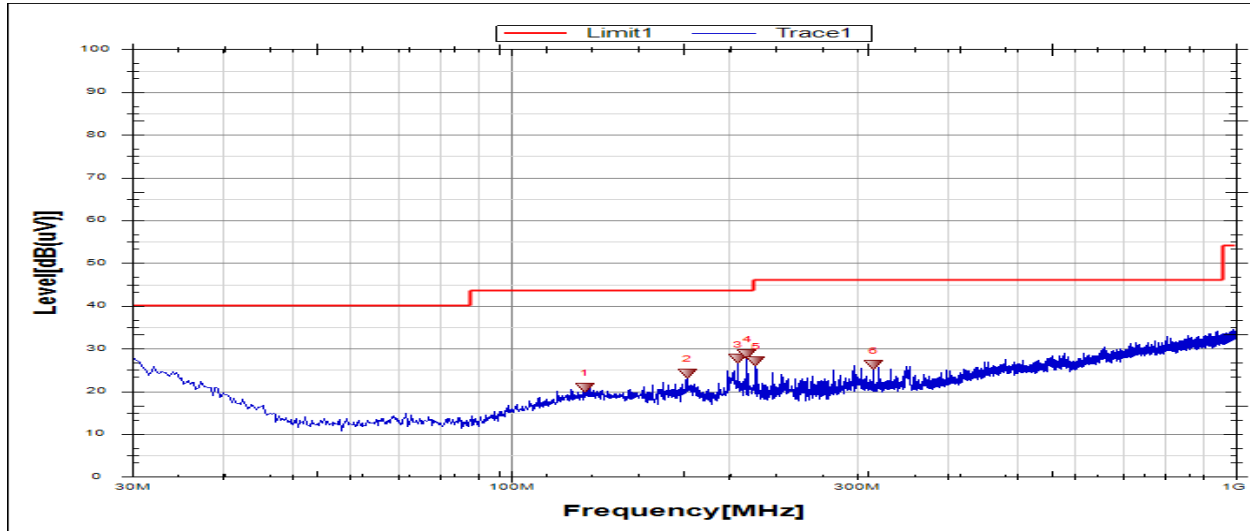
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	18898.5399	50.22	-6.16	44.06	74.00	-29.94	Vertical
2	20053.8054	48.01	-5.10	42.91	74.00	-31.09	Vertical
3	20857.1357	49.06	-5.95	43.11	74.00	-30.89	Vertical
4	23342.7843	48.01	-3.27	44.74	74.00	-29.26	Vertical
5	24034.7535	48.35	-2.64	45.71	74.00	-28.29	Vertical
6	25380.438	49.65	-3.27	46.38	74.00	-27.62	Vertical

- Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
 3. Measurement = Reading Level + Correct Factor,
 Correct Factor = Antenna Factor + Loss (Cable) – Amplifier Gain.
 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Part 4: 30MHz~1GHz

SPURIOUS EMISSIONS 30M TO 1GHz (WORST-CASE CONFIGURATION)

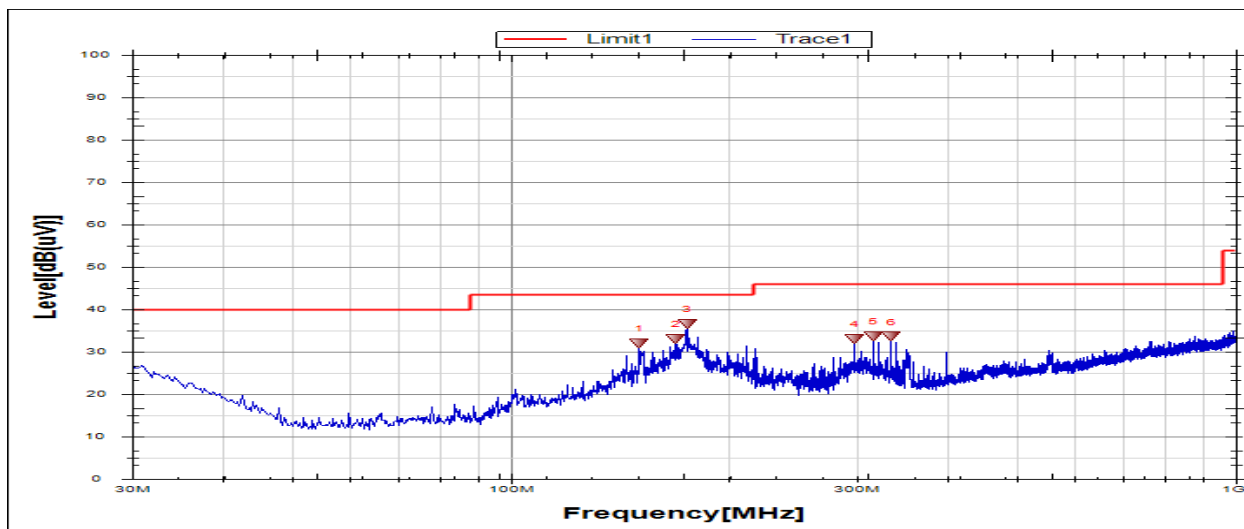
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	126.2967	-0.20	21.04	20.84	43.5	-22.66	Peak
2	175.0515	5.38	18.76	24.14	43.5	-19.36	Peak
3	205.8567	7.52	20.06	27.58	43.5	-15.92	Peak
4	211.9208	8.81	19.94	28.75	43.5	-14.75	Peak
5	217.9848	7.19	19.86	27.05	46.0	-18.95	Peak
6	316.4645	4.37	21.75	26.12	46.0	-19.88	Peak

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.
 3. Measurement = Reading Level + Correct Factor,
 Correct Factor = Antenna Factor + Loss (Cable).

Test Mode	Channel	Polarization	Verdict
11B	MCH	Vertical	PASS



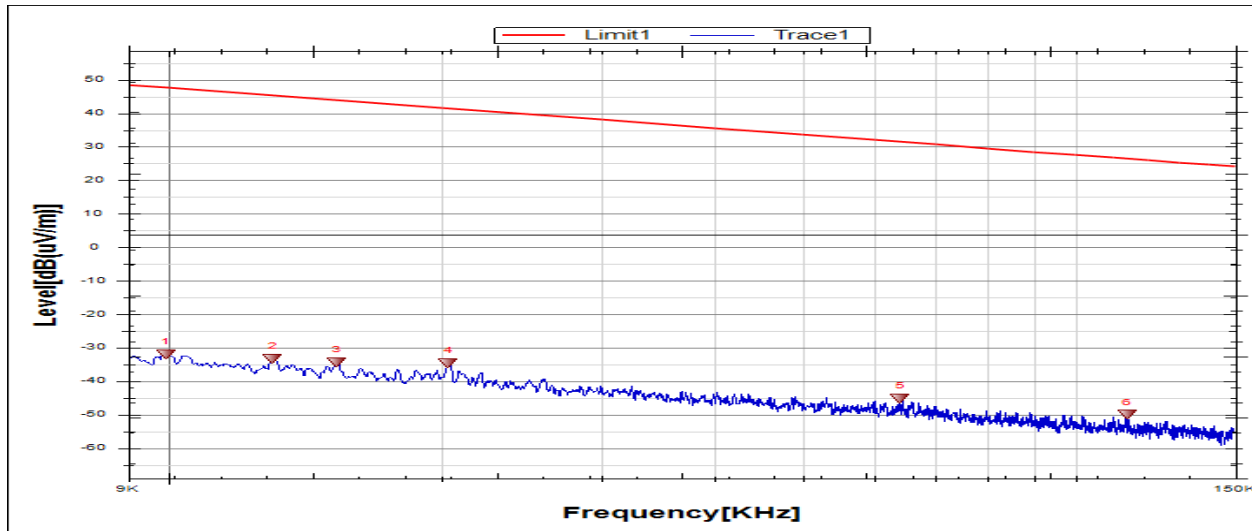
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	150.3103	12.23	19.77	32.00	43.5	11.50	Peak
2	168.9875	14.20	18.98	33.18	43.5	10.32	Peak
3	175.0515	17.96	18.76	36.72	43.5	6.78	Peak
4	298.0299	11.79	21.29	33.08	46.0	12.92	Peak
5	316.4645	11.98	21.75	33.73	46.0	12.27	Peak
6	334.8992	11.50	22.13	33.63	46.0	12.37	Peak

Note: 1. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 2. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.
 3. Measurement = Reading Level + Correct Factor,
 Correct Factor = Antenna Factor + Loss (Cable).

Part 5: 9kHz~30MHz

SPURIOUS EMISSIONS Below 30MHz (WORST CASE CONFIGURATION-FACE ON)

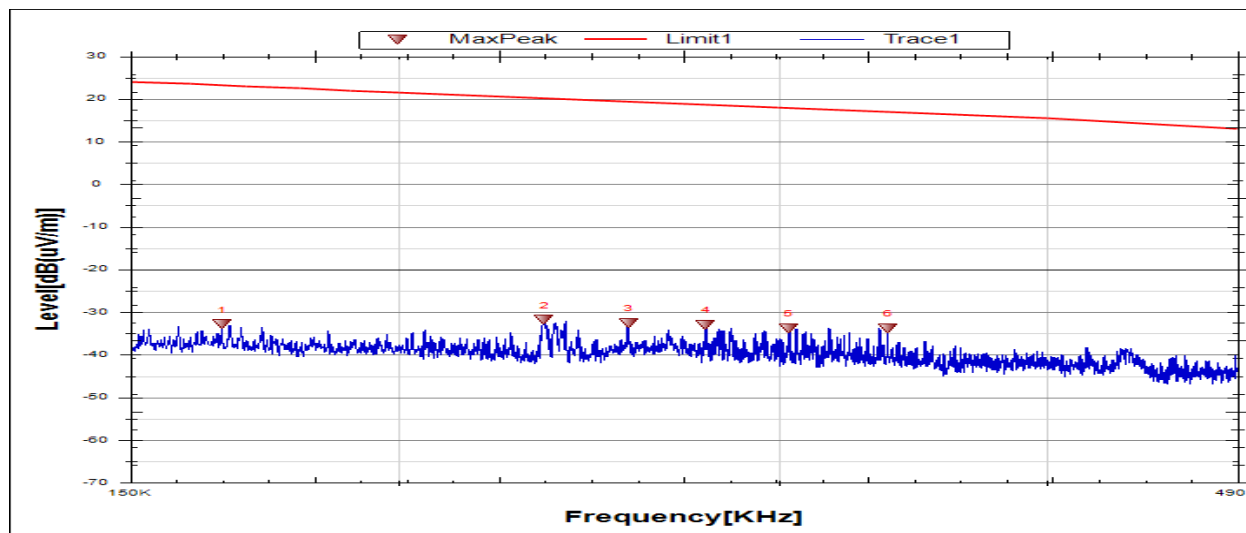
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	9kHz~150kHz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dBuA/m]	[dBuA/m]	[dB]	
1	0.0099	29.93	-61.91	-31.98	47.69	-83.48	-3.81	-79.67	Peak
2	0.0130	28.55	-61.88	-33.33	45.79	-84.83	-5.71	-79.12	Peak
3	0.0153	27.54	-61.86	-34.32	44.41	-85.82	-7.09	-78.73	Peak
4	0.0203	27.22	-61.81	-34.59	41.47	-86.09	-10.03	-76.06	Peak
5	0.0640	16.55	-61.76	-45.21	31.51	-96.71	-19.99	-76.72	Peak
6	0.1138	11.83	-61.82	-49.99	26.49	-101.49	-25.01	-76.48	Peak

- Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable) + Distance Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

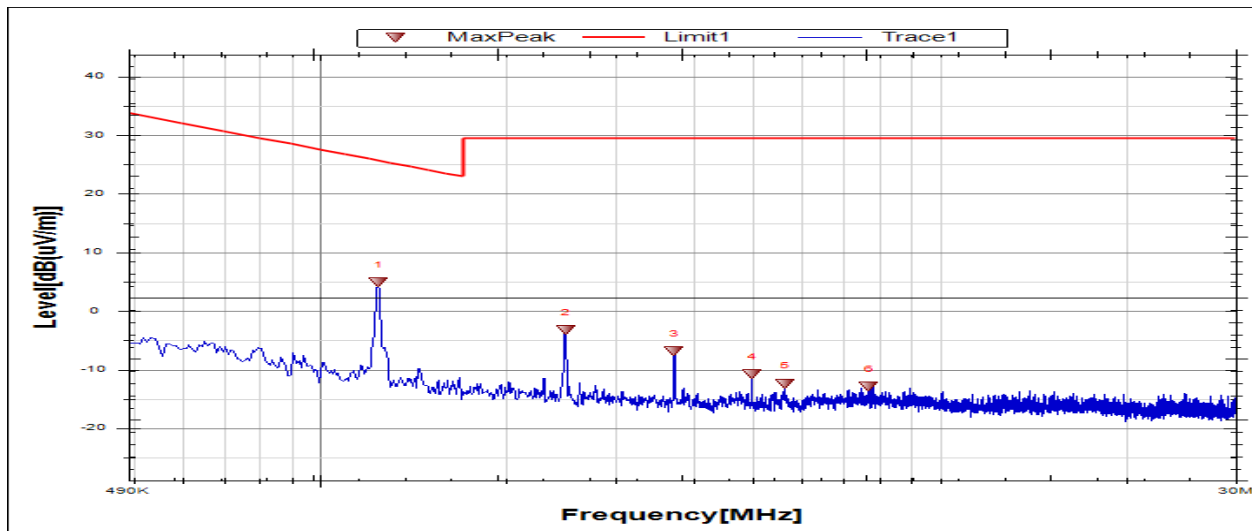
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	150kHz~490kHz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dBuA/m]	[dBuA/m]	[dB]	
1	0.1655	28.99	-61.84	-32.85	23.23	-84.35	-28.27	-56.08	Peak
2	0.2336	30.07	-61.88	-31.81	20.40	-83.31	-31.10	-52.21	Peak
3	0.2556	29.44	-61.89	-32.45	19.62	-83.95	-31.88	-52.07	Peak
4	0.2776	28.93	-61.90	-32.97	18.85	-84.47	-32.65	-51.82	Peak
5	0.3032	28.19	-61.91	-33.72	17.98	-85.22	-33.52	-51.70	Peak
6	0.3372	28.15	-61.90	-33.75	17.13	-85.25	-34.37	-50.88	Peak

- Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable) + Distance Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

Test Mode	Channel	Frequency Range	Verdict
11B	MCH	490kHz~30MHz	PASS



No.	Frequency	Reading Level	Correct Factor	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dBuA/m]	[dBuA/m]	[dB]	
1	1.2427	26.74	-21.84	4.90	25.73	-46.60	-25.77	-20.83	Peak
2	2.4897	18.53	-21.80	-3.27	29.54	-54.77	-21.96	-32.81	Peak
3	3.7294	14.88	-21.77	-6.89	29.54	-58.39	-21.96	-36.43	Peak
4	4.9764	10.94	-21.76	-10.82	29.54	-62.32	-21.96	-40.36	Peak
5	5.6258	9.42	-21.76	-12.34	29.54	-63.84	-21.96	-41.88	Peak
6	7.6919	8.85	-21.7	-12.85	29.54	-64.35	-21.96	-42.39	Peak

- Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable) + Distance Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

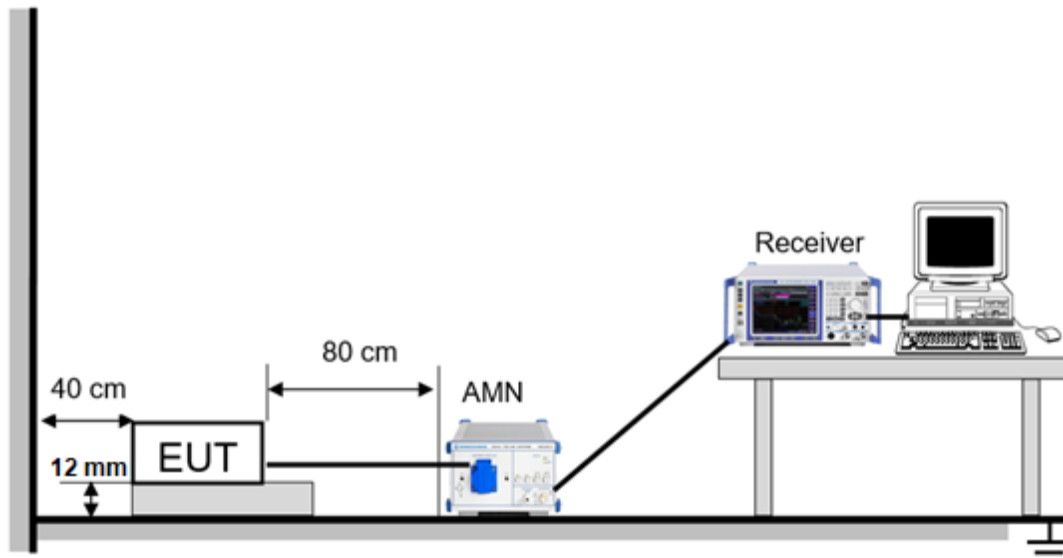
9. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a)

FREQUENCY (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST SETUP AND PROCEDURE



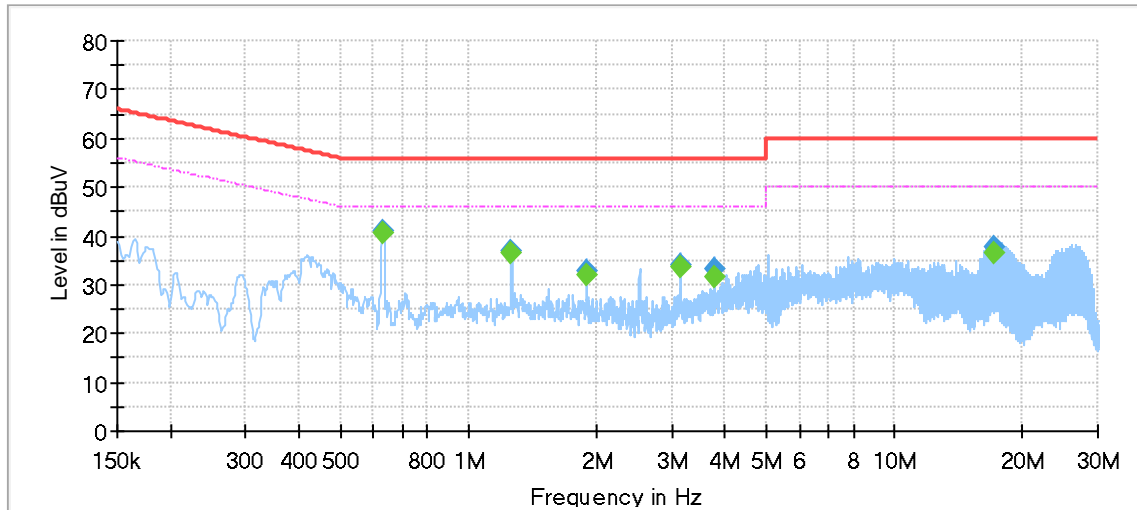
The EUT is put on a table of non-conducting material that is 12 mm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

LINE L RESULTS (WORST-CASE CONFIGURATION)

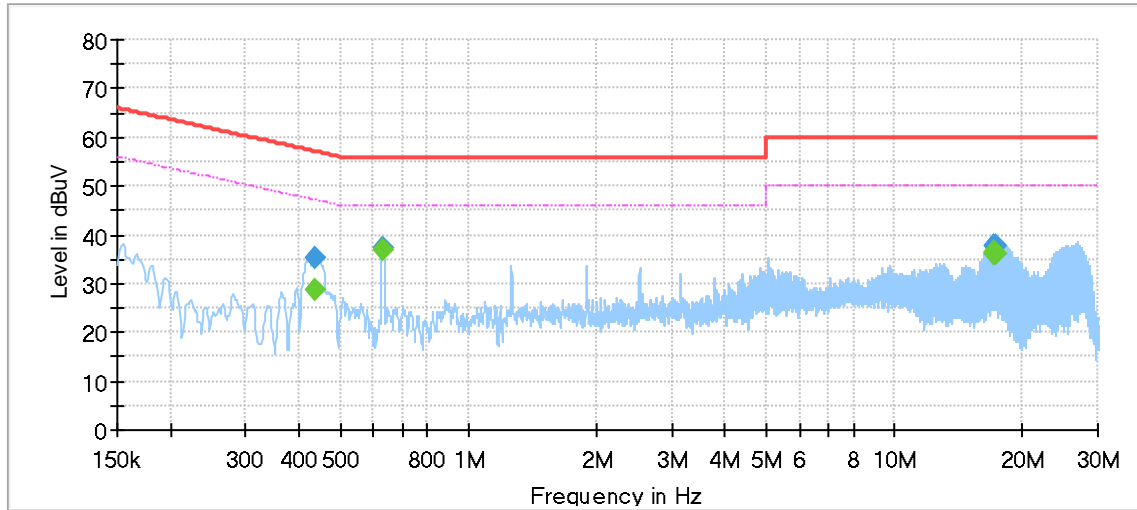


Final Result

Frequency [MHz]	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.630585	---	40.69	46.00	5.31	1000.0	9.000	L1	OFF	9.6
0.630585	40.84	---	56.00	15.16	1000.0	9.000	L1	OFF	9.6
1.261913	---	36.72	46.00	9.28	1000.0	9.000	L1	OFF	9.6
1.261913	37.05	---	56.00	18.95	1000.0	9.000	L1	OFF	9.6
1.893240	---	32.17	46.00	13.83	1000.0	9.000	L1	OFF	9.6
1.893240	32.99	---	56.00	23.01	1000.0	9.000	L1	OFF	9.6
3.154403	---	33.60	46.00	12.40	1000.0	9.000	L1	OFF	9.6
3.154403	34.22	---	56.00	21.78	1000.0	9.000	L1	OFF	9.6
3.785730	---	31.66	46.00	14.34	1000.0	9.000	L1	OFF	9.6
3.785730	33.15	---	56.00	22.85	1000.0	9.000	L1	OFF	9.6
17.095845	---	36.46	50.00	13.54	1000.0	9.000	L1	OFF	9.7
17.095845	37.93	---	60.00	22.07	1000.0	9.000	L1	OFF	9.7

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
 4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
 5. Pre-testing all test modes and channels, and find the MCH of 11B which is the worst case, so only the worst case is included in this test report.
 6. Two models of docker will be collocated to the EUT, both of them have bee test, only the worse is recorded in this test report.

LINE N RESULTS (WORST-CASE CONFIGURATION)



Final Result

Frequency [MHz]	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.438053	---	28.63	47.10	18.47	1000.0	9.000	N	OFF	9.6
0.438053	35.14	---	57.10	21.96	1000.0	9.000	N	OFF	9.6
0.629093	---	36.87	46.00	9.13	1000.0	9.000	N	OFF	9.6
0.629093	37.18	---	56.00	18.82	1000.0	9.000	N	OFF	9.6
17.094353	---	36.13	50.00	13.87	1000.0	9.000	N	OFF	9.8
17.094353	37.89	---	60.00	22.11	1000.0	9.000	N	OFF	9.8
17.142113	---	36.21	50.00	13.79	1000.0	9.000	N	OFF	9.8
17.142113	37.74	---	60.00	22.26	1000.0	9.000	N	OFF	9.8
17.189873	---	36.34	50.00	13.66	1000.0	9.000	N	OFF	9.8
17.189873	37.61	---	60.00	22.39	1000.0	9.000	N	OFF	9.8
17.285393	---	36.18	50.00	13.82	1000.0	9.000	N	OFF	9.8
17.285393	37.67	---	60.00	22.33	1000.0	9.000	N	OFF	9.8

- Note: 1. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 2. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 3. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.
 4. The extension cord/outlet strip was calibrated with the LISN as required by ANSI C63.10:2013 Clause 6.2.2.
 5. Pre-testing all test modes and channels, and find the MCH of 11B which is the worst case, so only the worst case is included in this test report.
 6. Two models of docker will be collocated to the EUT, both of them have bee test, only the worse is recorded in this test report.

10. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi

END OF REPORT