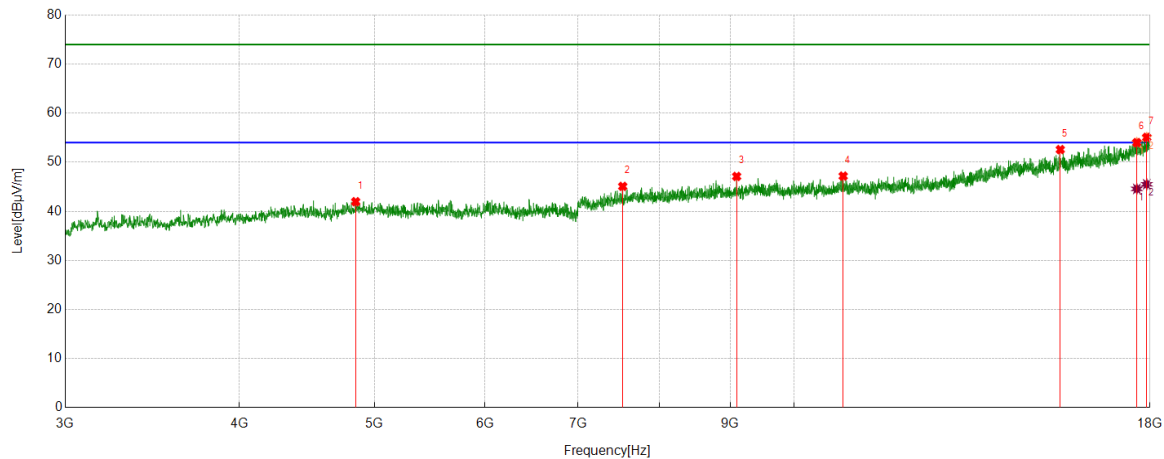


Test Mode	Channel	Polarization	Verdict
11N HT40	HCH	Horizontal	PASS



PK Result:

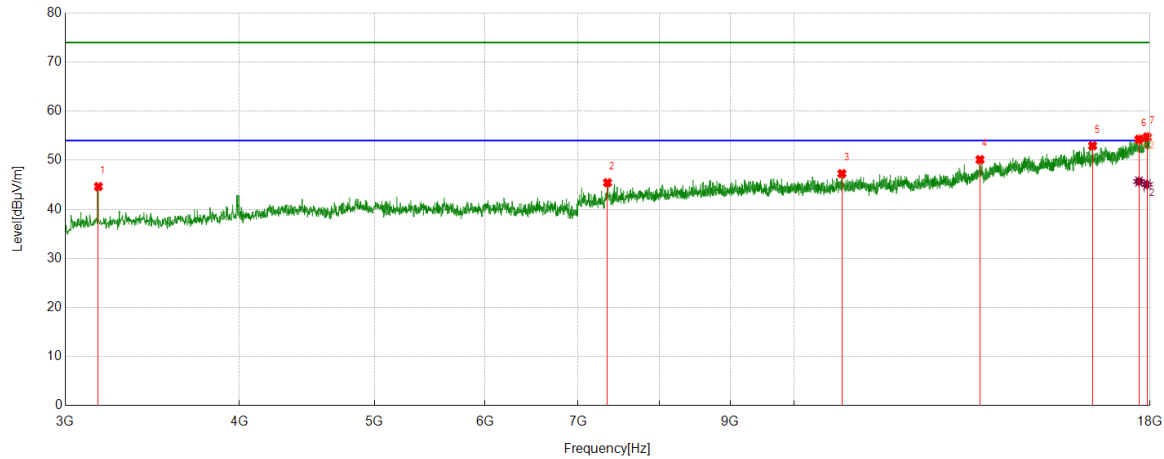
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	4847.1059	45.54	-3.58	41.96	74.00	-32.04	Horizontal
2	7534.3168	44.65	0.43	45.08	74.00	-28.92	Horizontal
3	9094.5118	43.97	3.14	47.11	74.00	-26.89	Horizontal
4	10844.1055	42.69	4.49	47.18	74.00	-26.82	Horizontal
5	15520.9401	39.71	12.87	52.58	74.00	-21.42	Horizontal
6	17613.7017	36.39	17.61	54.00	74.00	-20.00	Horizontal
7	17904.363	35.89	19.18	55.07	74.00	-18.93	Horizontal

AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17613.7017	26.96	17.61	44.57	54.00	-9.43	Horizontal
2	17904.363	26.33	19.18	45.51	54.00	-8.49	Horizontal

- Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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
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	3168.7711	54.27	-9.64	44.63	74.00	-29.37	Vertical
2	7346.7933	45.50	-0.07	45.43	74.00	-28.57	Vertical
3	10821.6027	43.00	4.27	47.27	74.00	-26.73	Vertical
4	13593.1992	40.96	9.17	50.13	74.00	-23.87	Vertical
5	16372.2965	38.97	13.98	52.95	74.00	-21.05	Vertical
6	17675.5844	36.88	17.37	54.25	74.00	-19.75	Vertical
7	17915.6145	35.86	18.86	54.72	74.00	-19.28	Vertical

AV Result:

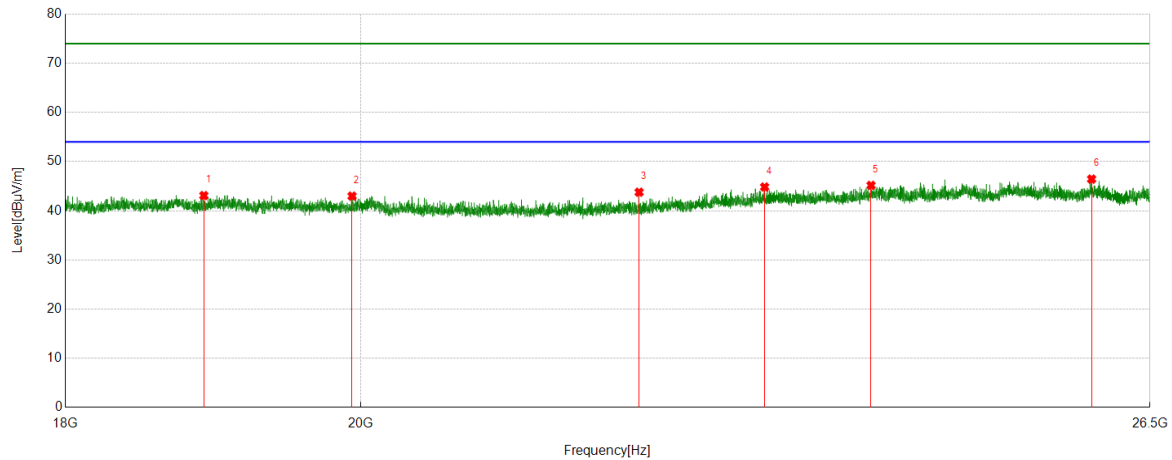
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	17675.5844	28.31	17.37	45.68	54.00	-8.32	Vertical
2	17915.6145	26.21	18.86	45.07	54.00	-8.93	Vertical

- Note: 1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Loss (Cable + Filter) – Amplifier Gain.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak detector: RBW: 1 MHz, VBW: 3 MHz.
4. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
5. For above 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
6. 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

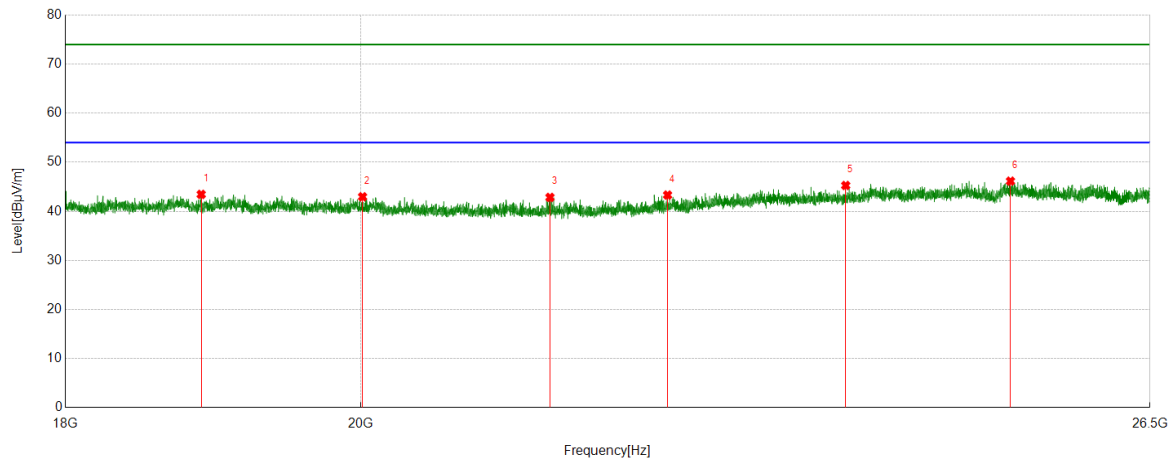


PK Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	18912.1412	49.24	-6.15	43.09	74.00	-30.91	Horizontal
2	19938.1938	48.11	-5.13	42.98	74.00	-31.02	Horizontal
3	22087.2087	49.37	-5.60	43.77	74.00	-30.23	Horizontal
4	23097.9598	48.31	-3.48	44.83	74.00	-29.17	Horizontal
5	23991.3991	47.78	-2.62	45.16	74.00	-28.84	Horizontal
6	25954.2454	49.16	-2.72	46.44	74.00	-27.56	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:

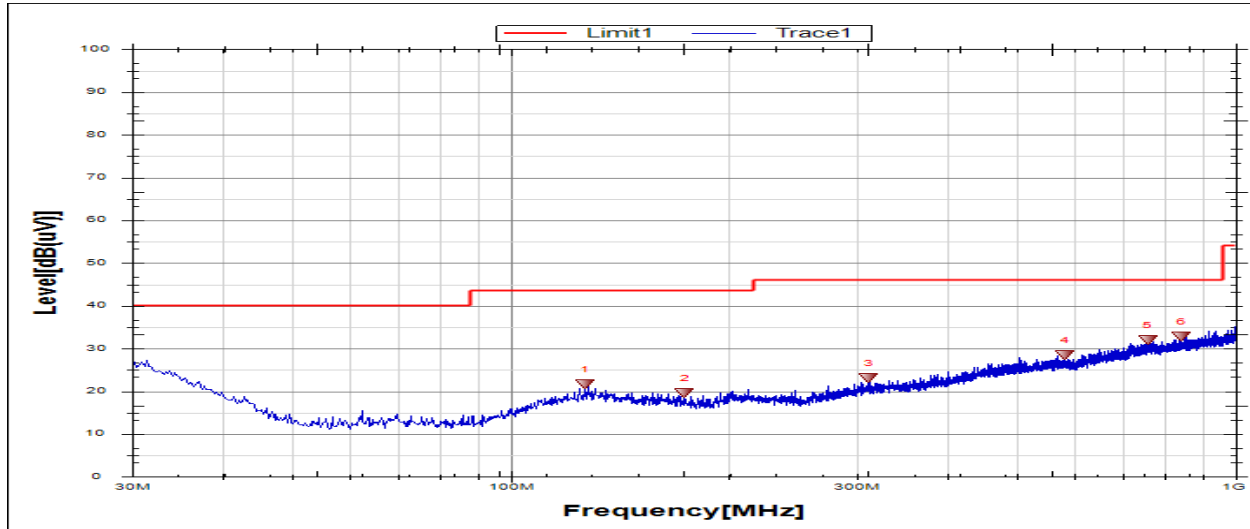
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	18894.2894	49.61	-6.16	43.45	74.00	-30.55	Vertical
2	20013.0013	48.02	-5.06	42.96	74.00	-31.04	Vertical
3	21396.0896	48.71	-5.87	42.84	74.00	-31.16	Vertical
4	22312.4812	48.46	-5.14	43.32	74.00	-30.68	Vertical
5	23775.4775	48.23	-2.96	45.27	74.00	-28.73	Vertical
6	25213.8214	49.54	-3.39	46.15	74.00	-27.85	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)

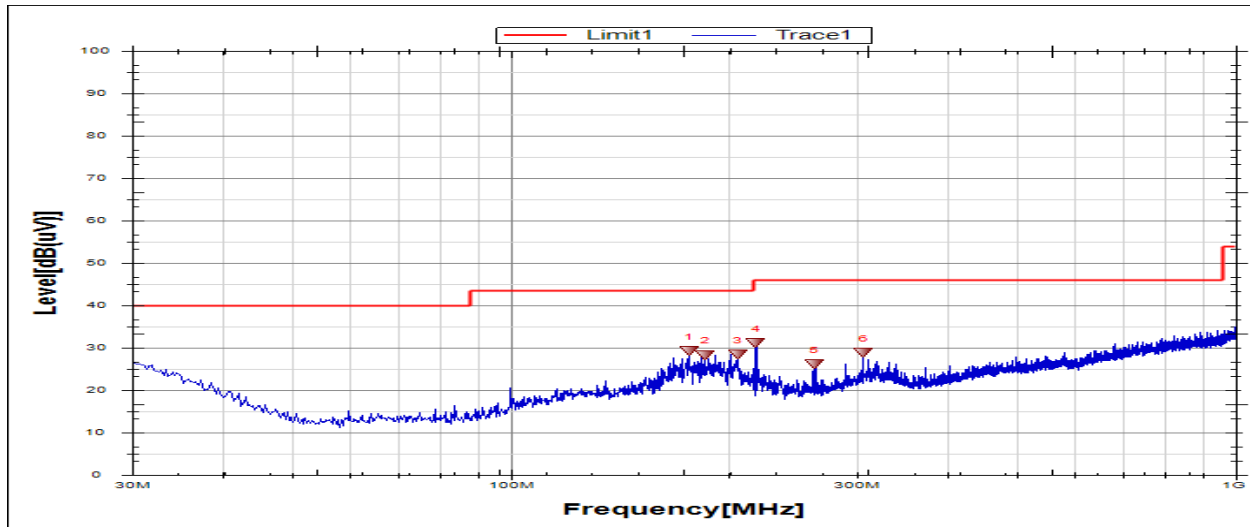
Test Mode	Channel	Polarization	Verdict
11B	MCH	Horizontal	PASS



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV]	[dB/m]	[dBuV/m]	[dBuV/m]	[dB]	
1	126.5393	0.56	21.04	21.60	43.5	-21.90	Peak
2	173.8387	0.80	18.81	19.61	43.5	-23.89	Peak
3	312.0984	1.48	21.65	23.13	46.0	-22.87	Peak
4	581.3412	1.38	27.12	28.50	46.0	-17.50	Peak
5	756.2276	1.70	30.25	31.95	46.0	-14.05	Peak
6	841.8517	1.94	30.97	32.91	46.0	-13.09	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



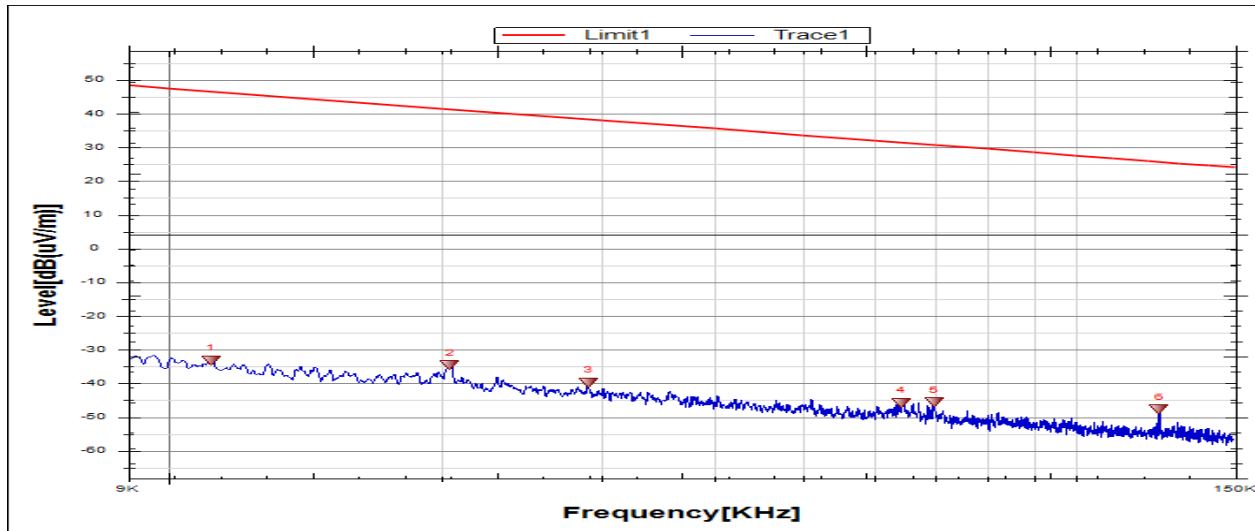
No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
1	176.0217	10.56	18.72	29.28	43.5	-14.22	Peak
2	185.4816	9.65	18.64	28.29	43.5	-15.21	Peak
3	205.6142	8.39	20.06	28.45	43.5	-15.05	Peak
4	217.9848	11.27	19.86	31.13	46.0	-14.87	Peak
5	262.1309	6.16	19.95	26.11	46.0	-19.89	Peak
6	306.5195	7.34	21.50	28.84	46.0	-17.16	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)

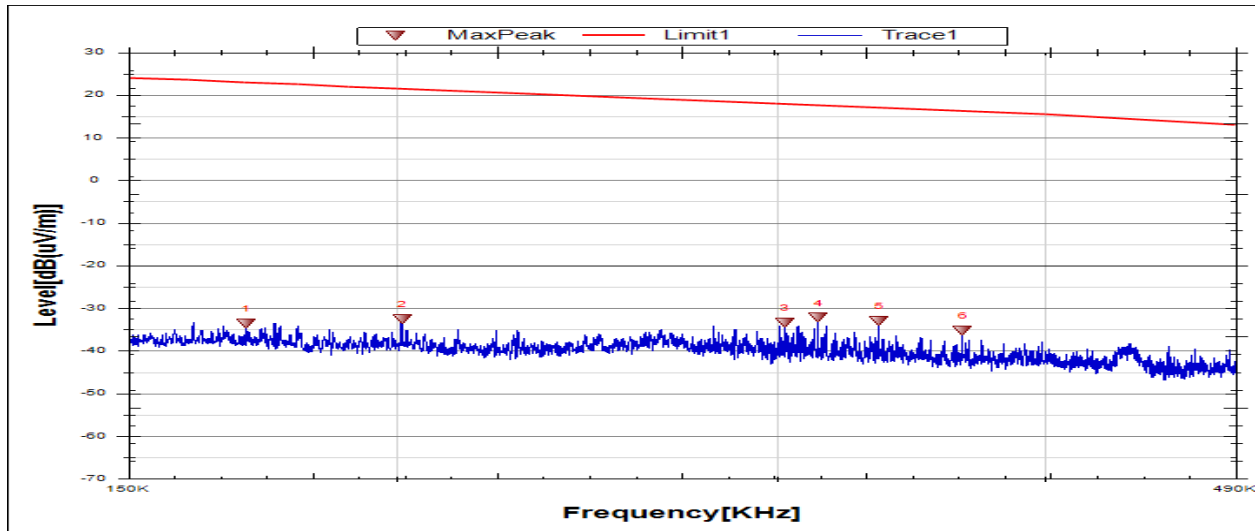
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	9kHz~150kHz	PASS



No.	Frequency [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	FCC Result [dBuV/m]	FCC Limit [dBuV/m]	ISED Result [dBuA/m]	ISED Limit [dBuA/m]	Margin [dB]	Remark
1	0.0111	28.74	-61.9	-33.16	46.94	-84.66	-4.56	-80.10	Peak
2	0.0204	27.17	-61.81	-34.64	41.44	-86.14	-10.06	-76.08	Peak
3	0.0290	22.04	-61.72	-39.68	38.41	-91.18	-13.09	-78.09	Peak
4	0.0641	16.08	-61.76	-45.68	31.50	-97.18	-20.00	-77.18	Peak
5	0.0697	16.15	-61.78	-45.63	30.76	-97.13	-20.74	-76.39	Peak
6	0.1236	14.11	-61.82	-47.71	25.77	-99.21	-25.73	-73.48	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.

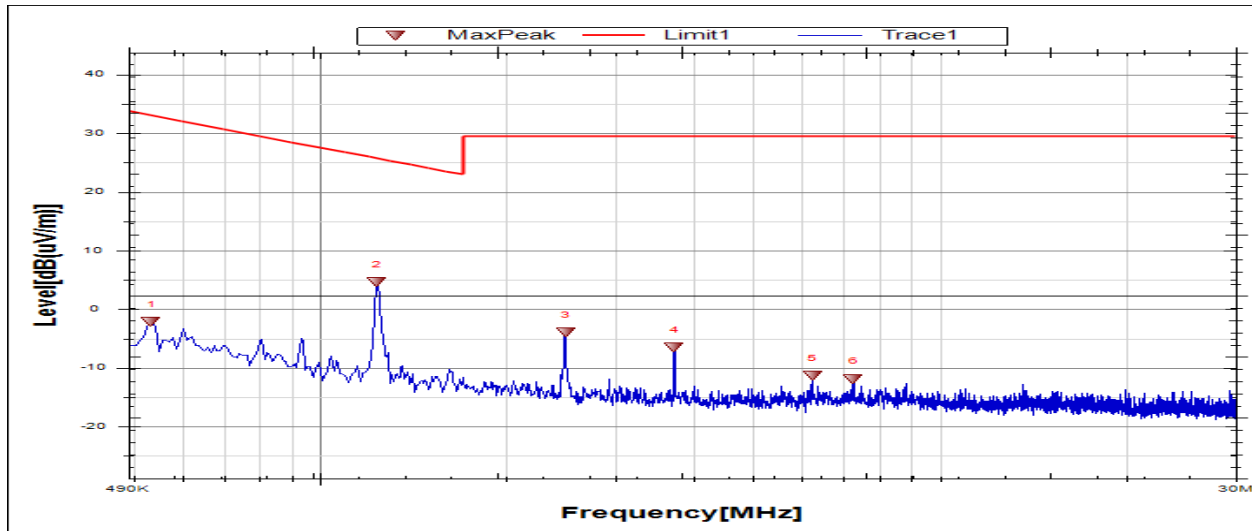
Test Mode	Channel	Frequency Range	Verdict
11B	MCH	150kHz~490kHz	PASS



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	0.1702	28.30	-61.85	-33.55	22.99	-85.05	-28.51	-56.54	Peak
2	0.2010	29.28	-61.86	-32.58	21.54	-84.08	-29.96	-54.12	Peak
3	0.3027	28.61	-61.91	-33.30	17.99	-84.80	-33.51	-51.29	Peak
4	0.3137	29.68	-61.91	-32.23	17.72	-83.73	-33.78	-49.95	Peak
5	0.3348	28.88	-61.90	-33.02	17.19	-84.52	-34.31	-50.21	Peak
6	0.3661	26.67	-61.89	-35.22	16.41	-86.72	-35.09	-51.63	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 [MHz]	Reading Level [dBuV]	Correct Factor [dB/m]	FCC Result [dBuV/m]	FCC Limit [dBuV/m]	ISED Result [dBuA/m]	ISED Limit [dBuA/m]	Margin [dB]	Remark
1	0.5343	19.70	-21.87	-2.17	33.09	-53.67	-18.41	-35.26	Peak
2	1.2353	26.49	-21.84	4.65	25.78	-46.85	-25.72	-21.13	Peak
3	2.4897	17.83	-21.80	-3.97	29.54	-55.47	-21.96	-33.51	Peak
4	3.7294	15.29	-21.77	-6.48	29.54	-57.98	-21.96	-36.02	Peak
5	6.2235	10.44	-21.75	-11.31	29.54	-62.81	-21.96	-40.85	Peak
6	7.2565	9.84	-21.72	-11.88	29.54	-63.38	-21.96	-41.42	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.

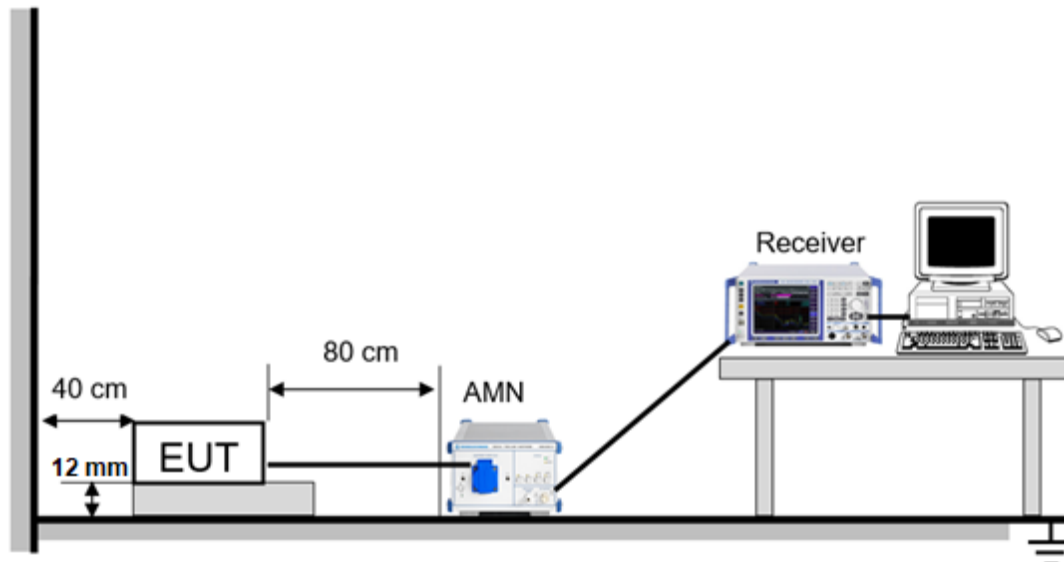
9. AC POWER LINE CONDUCTED EMISSIONS

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



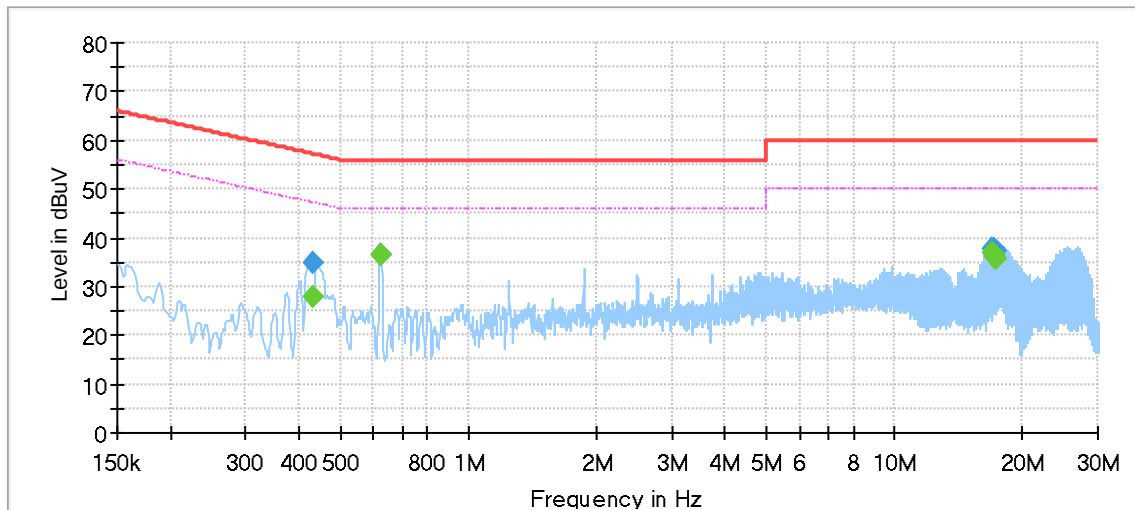
The EUT is put on a table of non-conducting material that is 12 mm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver 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)

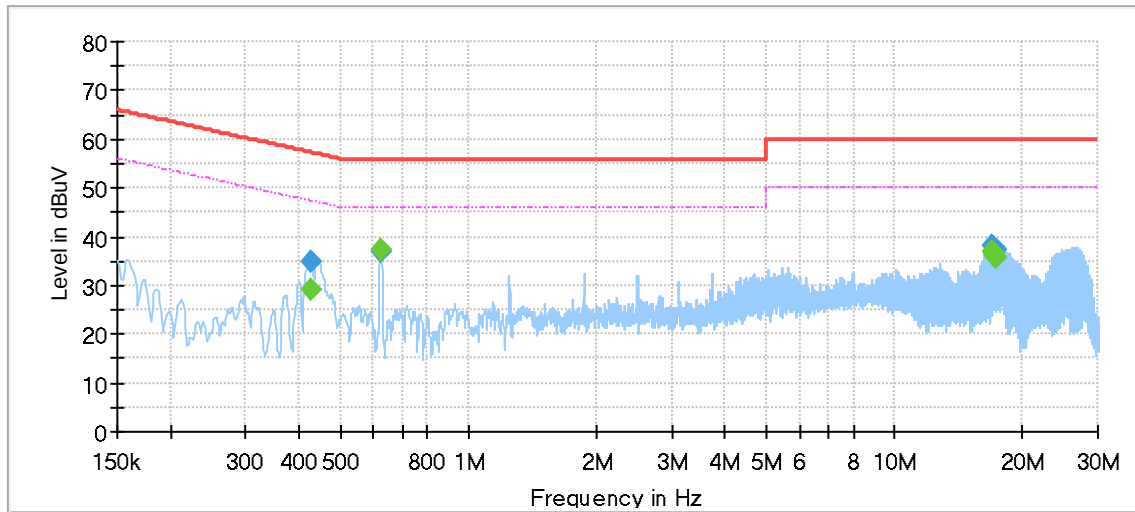


Final Result

Frequency [MHz]	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Filter	Corr. [dB]
0.430590	---	28.06	47.24	19.18	1000.0	9.000	L1	OFF	9.6
0.430590	35.03	---	57.24	22.21	1000.0	9.000	L1	OFF	9.6
0.621630	---	36.71	46.00	9.29	1000.0	9.000	L1	OFF	9.6
0.621630	36.64	---	56.00	19.36	1000.0	9.000	L1	OFF	9.6
17.000325	---	36.99	50.00	13.01	1000.0	9.000	L1	OFF	9.7
17.000325	37.94	---	60.00	22.06	1000.0	9.000	L1	OFF	9.7
17.048085	---	36.54	50.00	13.46	1000.0	9.000	L1	OFF	9.7
17.048085	37.70	---	60.00	22.30	1000.0	9.000	L1	OFF	9.7
17.189873	---	36.07	50.00	13.93	1000.0	9.000	L1	OFF	9.7
17.189873	37.52	---	60.00	22.48	1000.0	9.000	L1	OFF	9.7
17.380913	---	35.81	50.00	14.19	1000.0	9.000	L1	OFF	9.7
17.380913	37.45	---	60.00	22.55	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]
0.429098	---	29.14	47.27	18.13	1000.0	9.000	N	OFF	9.6
0.429098	35.07	---	57.27	22.20	1000.0	9.000	N	OFF	9.6
0.623123	---	37.20	46.00	8.80	1000.0	9.000	N	OFF	9.6
0.623123	37.11	---	56.00	18.89	1000.0	9.000	N	OFF	9.6
17.000325	---	37.01	50.00	12.99	1000.0	9.000	N	OFF	9.8
17.000325	37.95	---	60.00	22.05	1000.0	9.000	N	OFF	9.8
17.048085	---	36.56	50.00	13.44	1000.0	9.000	N	OFF	9.8
17.048085	37.72	---	60.00	22.28	1000.0	9.000	N	OFF	9.8
17.189873	---	36.08	50.00	13.92	1000.0	9.000	N	OFF	9.8
17.189873	37.54	---	60.00	22.46	1000.0	9.000	N	OFF	9.8
17.380913	---	35.82	50.00	14.18	1000.0	9.000	N	OFF	9.8
17.380913	37.48	---	60.00	22.52	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