

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-27

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M TX Mode

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

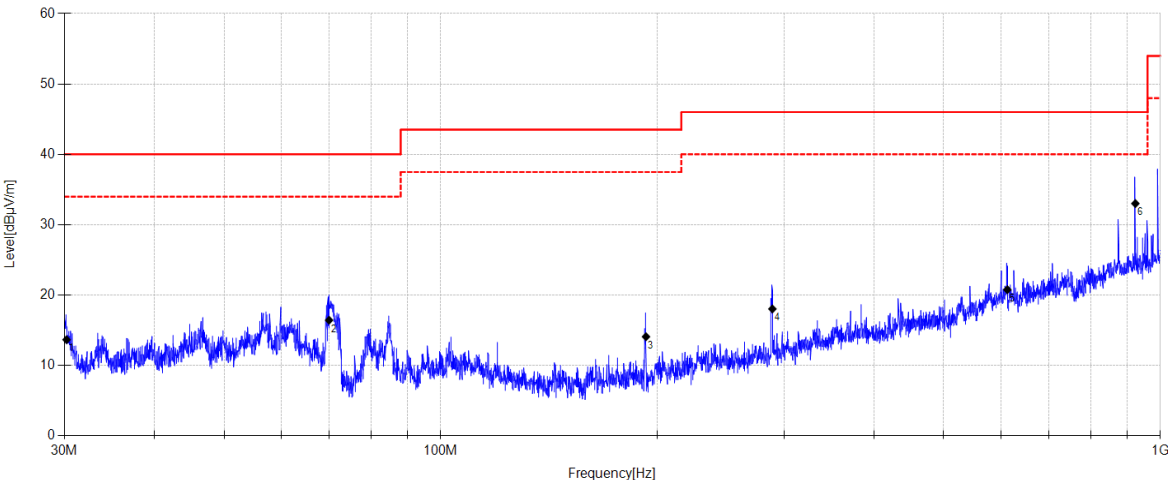
DDT 3# Chamber

File Path:

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Memo:

Sample Numbel:S24111120-001 Power Setting:3



Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.211	30.68	10.32	3.76	13.66	40.00	26.34	QP	Vertical
2	69.980	33.7	9.81	4.02	16.43	40.00	23.57	QP	Vertical
3	192.887	30.67	9.88	4.72	14.08	43.50	29.42	QP	Vertical
4	289.074	31.23	13.01	5.17	18.03	46.00	27.97	QP	Vertical
5	612.983	26.94	18.92	6.41	20.77	46.00	25.23	QP	Vertical
6	923.178	34.5	21.71	7.26	33.01	46.00	12.99	QP	Vertical

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2402 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

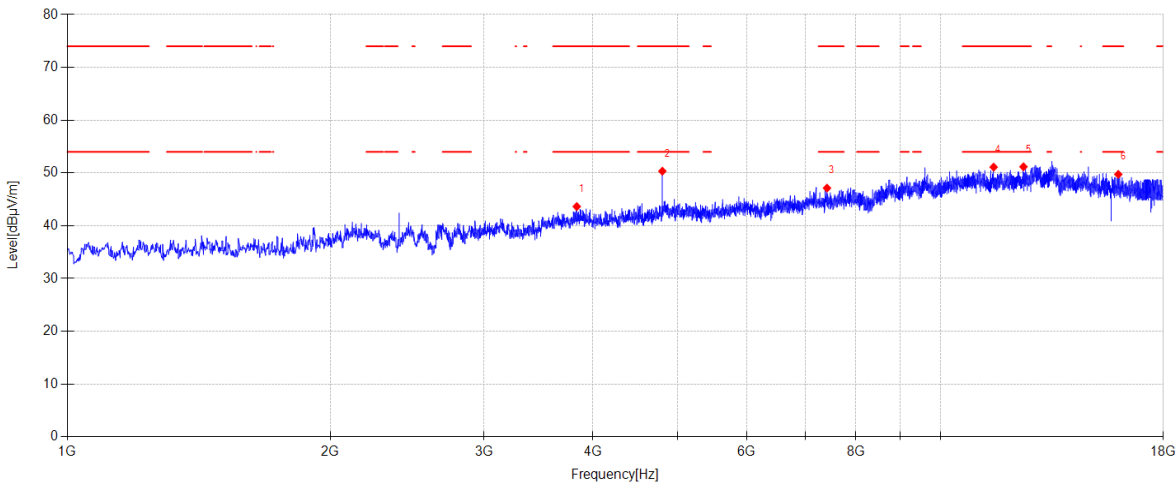
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3832.200	47.37	30.83	5.08	-39.64	43.64	74.00	30.36	PK	Horizontal
2	4802.900	51.85	32.58	5.53	-39.62	50.34	74.00	23.66	PK	Horizontal
3	7414.100	44.43	36.67	6.66	-40.63	47.13	74.00	26.87	PK	Horizontal
4	11506.000	42.98	39.19	8.45	-39.51	51.11	74.00	22.89	PK	Horizontal
5	12447.800	42.74	39.35	8.99	-39.91	51.17	74.00	22.83	PK	Horizontal
6	15983.800	40.98	38.02	10.14	-39.40	49.74	74.00	24.26	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2402 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

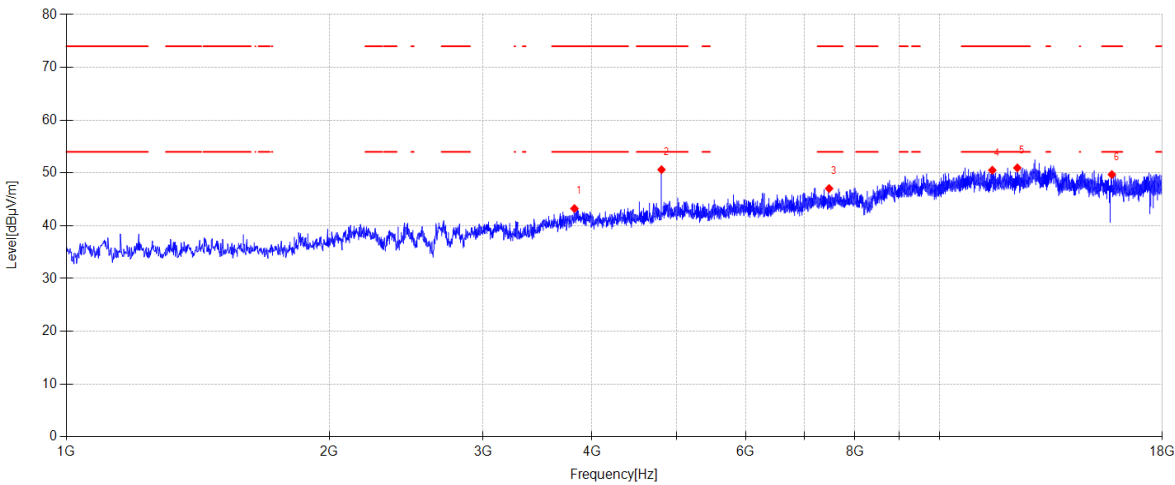
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Memo:

Sample Numble:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3818.600	47.04	30.77	5.08	-39.64	43.25	74.00	30.75	PK	Vertical
2	4804.600	52.10	32.62	5.53	-39.62	50.63	74.00	23.37	PK	Vertical
3	7475.300	44.38	36.55	6.69	-40.57	47.05	74.00	26.95	PK	Vertical
4	11495.800	42.38	39.20	8.44	-39.50	50.52	74.00	23.48	PK	Vertical
5	12279.500	42.71	39.30	8.90	-39.94	50.97	74.00	23.03	PK	Vertical
6	15756.000	40.72	38.39	9.99	-39.40	49.70	74.00	24.30	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2440 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

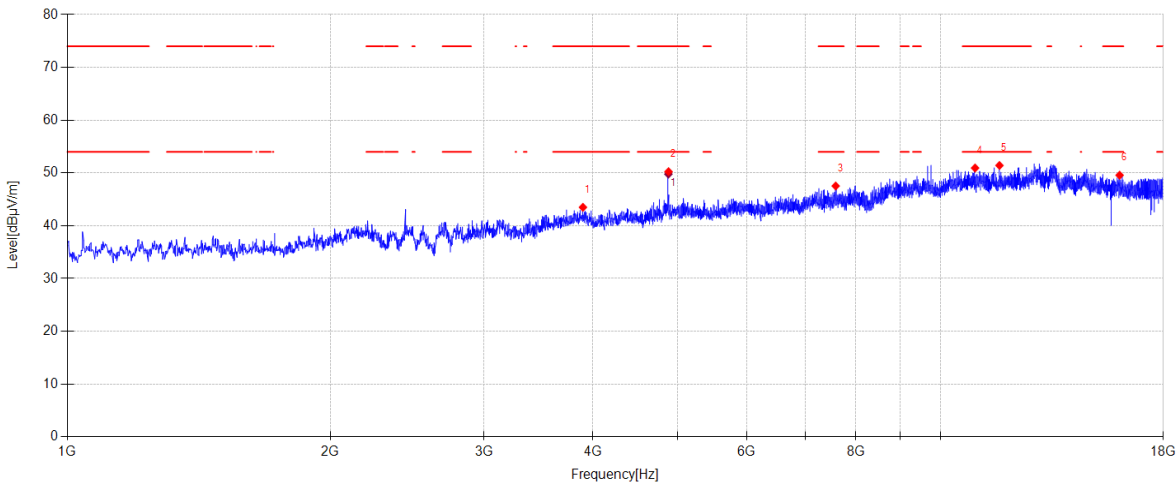
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Memo:

Sample Numble:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3895.100	46.90	31.17	5.07	-39.65	43.49	74.00	30.51	PK	Horizontal
2	4881.100	50.97	33.30	5.58	-39.61	50.24	74.00	23.76	PK	Horizontal
3	7585.800	44.78	36.47	6.75	-40.47	47.53	74.00	26.47	PK	Horizontal
4	10955.200	42.56	39.30	8.11	-39.03	50.94	74.00	23.06	PK	Horizontal
5	11684.500	43.54	39.00	8.56	-39.68	51.42	74.00	22.58	PK	Horizontal
6	16039.900	40.88	37.96	10.16	-39.43	49.57	74.00	24.43	PK	Horizontal

Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4880.085	50.51	33.30	5.58	49.78	54.00	4.22	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2440 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

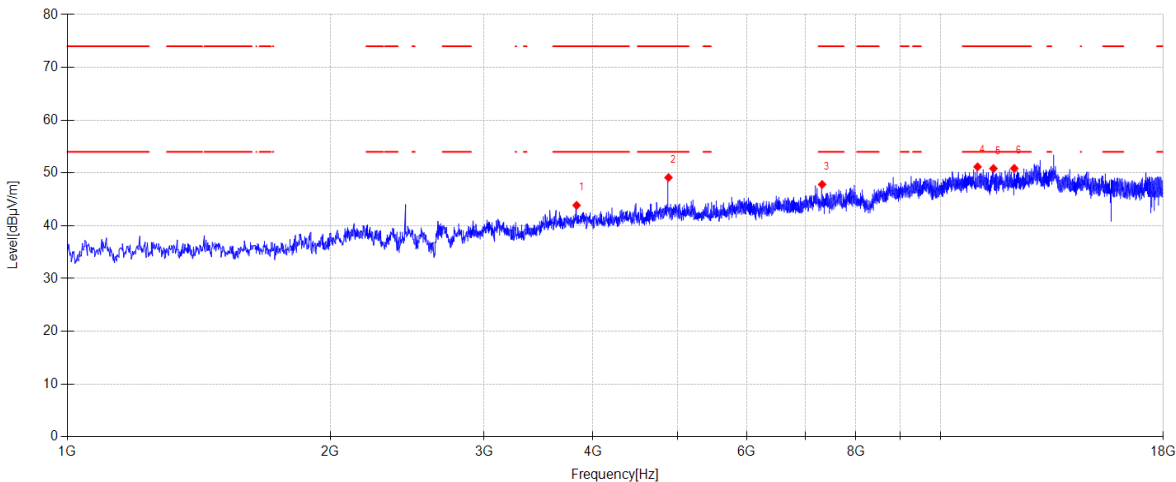
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3830.500	47.61	30.82	5.08	-39.64	43.87	74.00	30.13	PK	Vertical
2	4881.100	49.86	33.30	5.58	-39.61	49.13	74.00	24.87	PK	Vertical
3	7318.900	45.06	36.86	6.61	-40.71	47.82	74.00	26.18	PK	Vertical
4	11028.300	42.74	39.30	8.15	-39.03	51.16	74.00	22.84	PK	Vertical
5	11499.200	42.70	39.20	8.44	-39.50	50.84	74.00	23.16	PK	Vertical
6	12150.300	42.70	39.30	8.84	-39.97	50.87	74.00	23.13	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2480 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

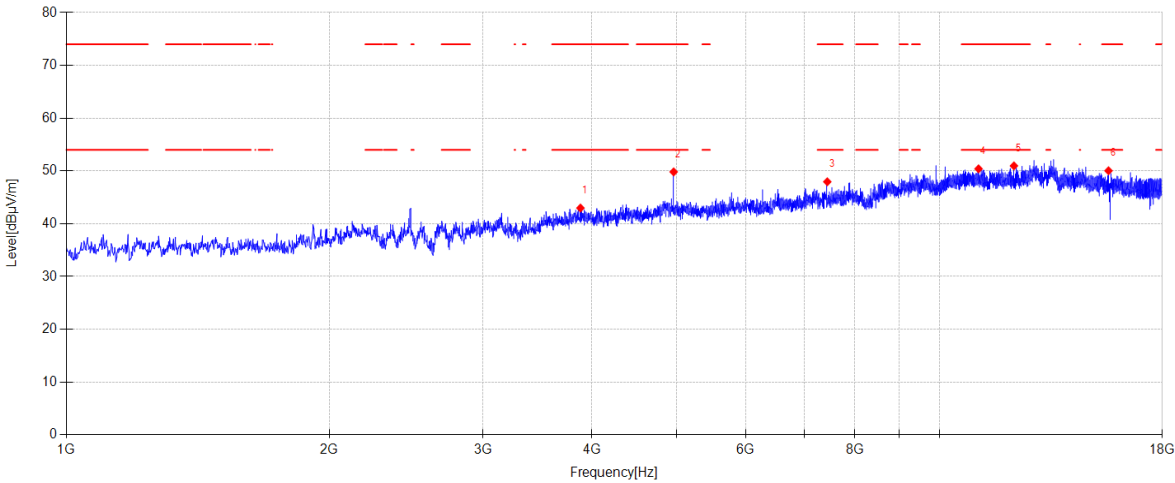
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3879.800	46.48	31.08	5.07	-39.65	42.98	74.00	31.02	PK	Horizontal
2	4961.000	50.67	33.12	5.63	-39.60	49.82	74.00	24.18	PK	Horizontal
3	7439.600	45.26	36.62	6.67	-40.60	47.95	74.00	26.05	PK	Horizontal
4	11086.100	42.01	39.30	8.18	-39.09	50.40	74.00	23.60	PK	Horizontal
5	12170.700	42.79	39.30	8.85	-39.97	50.97	74.00	23.03	PK	Horizontal
6	15618.300	40.97	38.58	9.89	-39.40	50.04	74.00	23.96	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2480 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

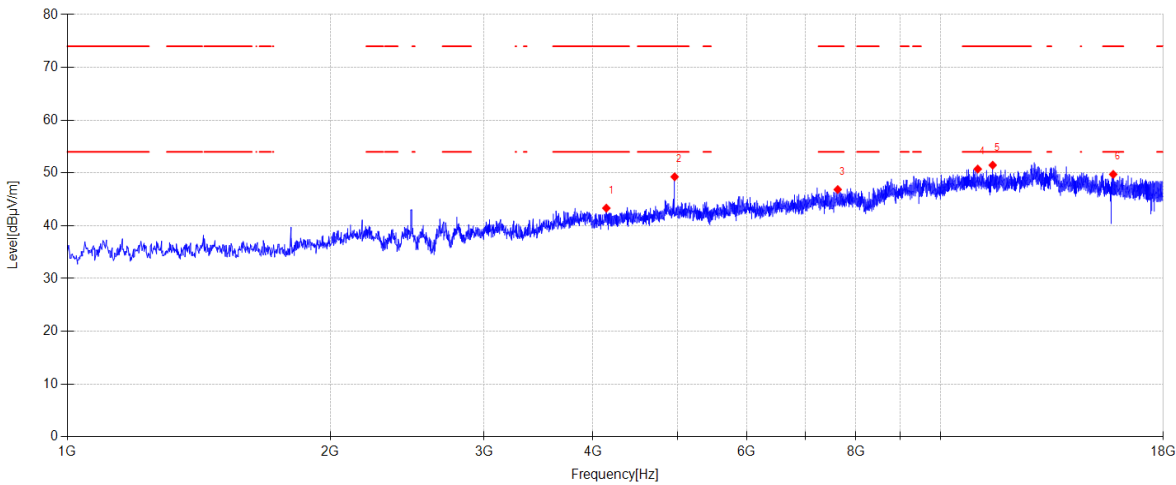
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4143.300	46.67	31.19	5.14	-39.67	43.33	74.00	30.67	PK	Vertical
2	4961.000	50.12	33.12	5.63	-39.60	49.27	74.00	24.73	PK	Vertical
3	7626.600	43.98	36.55	6.77	-40.44	46.86	74.00	27.14	PK	Vertical
4	11033.400	42.32	39.30	8.15	-39.03	50.74	74.00	23.26	PK	Vertical
5	11477.100	43.31	39.22	8.43	-39.48	51.48	74.00	22.52	PK	Vertical
6	15771.300	40.77	38.36	10.00	-39.40	49.73	74.00	24.27	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2404 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

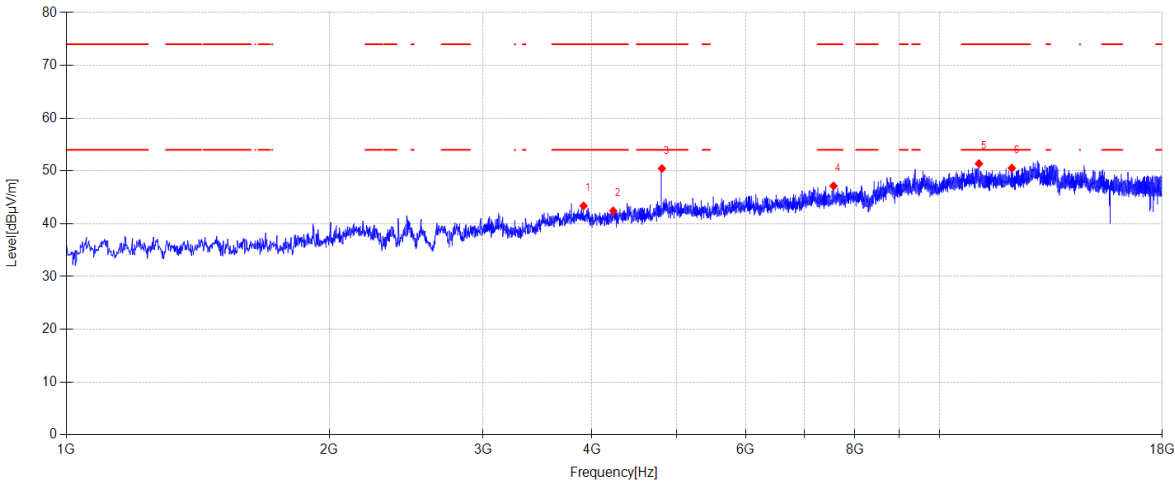
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3912.100	46.80	31.18	5.06	-39.66	43.38	74.00	30.62	PK	Horizontal
2	4230.000	45.57	31.32	5.19	-39.66	42.42	74.00	31.58	PK	Horizontal
3	4809.700	51.79	32.75	5.54	-39.62	50.46	74.00	23.54	PK	Horizontal
4	7563.700	44.48	36.43	6.74	-40.49	47.16	74.00	26.84	PK	Horizontal
5	11096.300	43.00	39.30	8.19	-39.10	51.39	74.00	22.61	PK	Horizontal
6	12102.700	42.41	39.30	8.81	-39.98	50.54	74.00	23.46	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2404 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

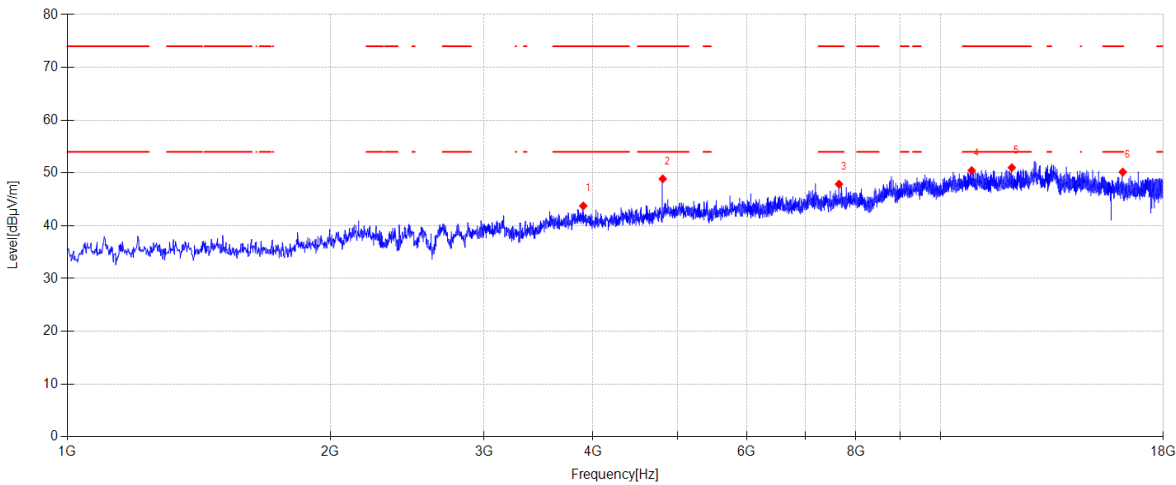
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3898.500	47.15	31.19	5.07	-39.66	43.75	74.00	30.25	PK	Vertical
2	4808.000	50.27	32.71	5.53	-39.62	48.89	74.00	25.11	PK	Vertical
3	7652.100	44.90	36.60	6.79	-40.41	47.88	74.00	26.12	PK	Vertical
4	10858.300	42.15	39.34	8.06	-39.09	50.46	74.00	23.54	PK	Vertical
5	12070.400	42.92	39.27	8.80	-39.99	51.00	74.00	23.00	PK	Vertical
6	16174.200	41.67	37.83	10.19	-39.52	50.17	74.00	23.83	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2440 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

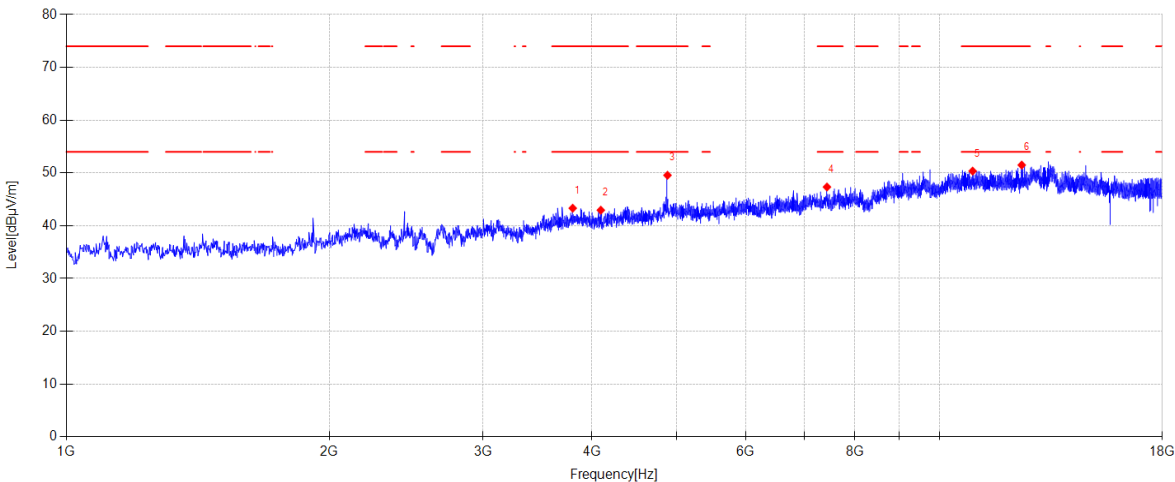
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3801.600	47.16	30.71	5.08	-39.63	43.32	74.00	30.68	PK	Horizontal
2	4094.000	46.42	31.09	5.11	-39.67	42.95	74.00	31.05	PK	Horizontal
3	4881.100	50.29	33.30	5.58	-39.61	49.56	74.00	24.44	PK	Horizontal
4	7432.800	44.65	36.63	6.67	-40.61	47.34	74.00	26.66	PK	Horizontal
5	10914.400	42.01	39.30	8.09	-39.05	50.35	74.00	23.65	PK	Horizontal
6	12424.000	43.12	39.32	8.98	-39.92	51.50	74.00	22.50	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2440 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

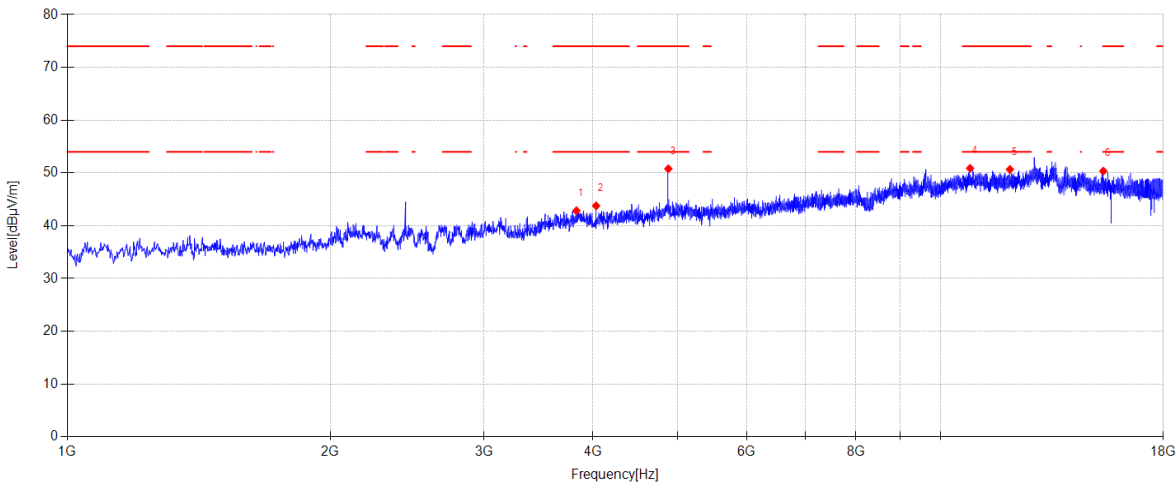
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3828.800	46.59	30.82	5.08	-39.64	42.85	74.00	31.15	PK	Vertical
2	4032.800	47.41	30.97	5.07	-39.68	43.77	74.00	30.23	PK	Vertical
3	4879.400	51.49	33.33	5.58	-39.61	50.79	74.00	23.21	PK	Vertical
4	10812.400	42.56	39.39	8.04	-39.11	50.88	74.00	23.12	PK	Vertical
5	12010.900	42.69	39.21	8.77	-40.00	50.67	74.00	23.33	PK	Vertical
6	15366.700	40.76	39.27	9.73	-39.40	50.36	74.00	23.64	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2478 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

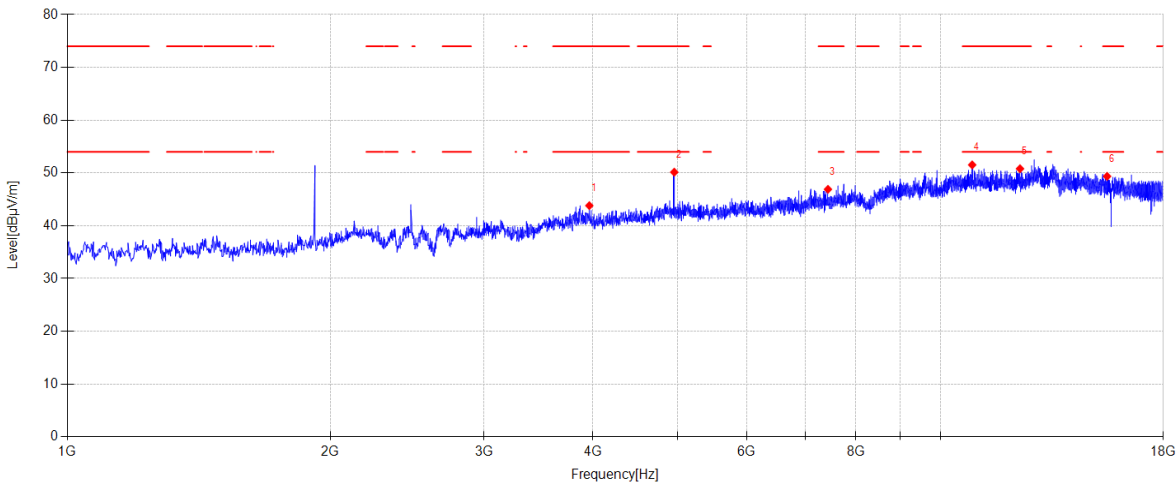
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3961.400	47.37	31.05	5.06	-39.67	43.81	74.00	30.19	PK	Horizontal
2	4955.900	51.02	33.11	5.62	-39.60	50.15	74.00	23.85	PK	Horizontal
3	7432.800	44.21	36.63	6.67	-40.61	46.90	74.00	27.10	PK	Horizontal
4	10871.900	43.21	39.33	8.07	-39.08	51.53	74.00	22.47	PK	Horizontal
5	12333.900	42.50	39.30	8.93	-39.93	50.80	74.00	23.20	PK	Horizontal
6	15518.000	40.17	38.76	9.83	-39.40	49.36	74.00	24.64	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2478 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

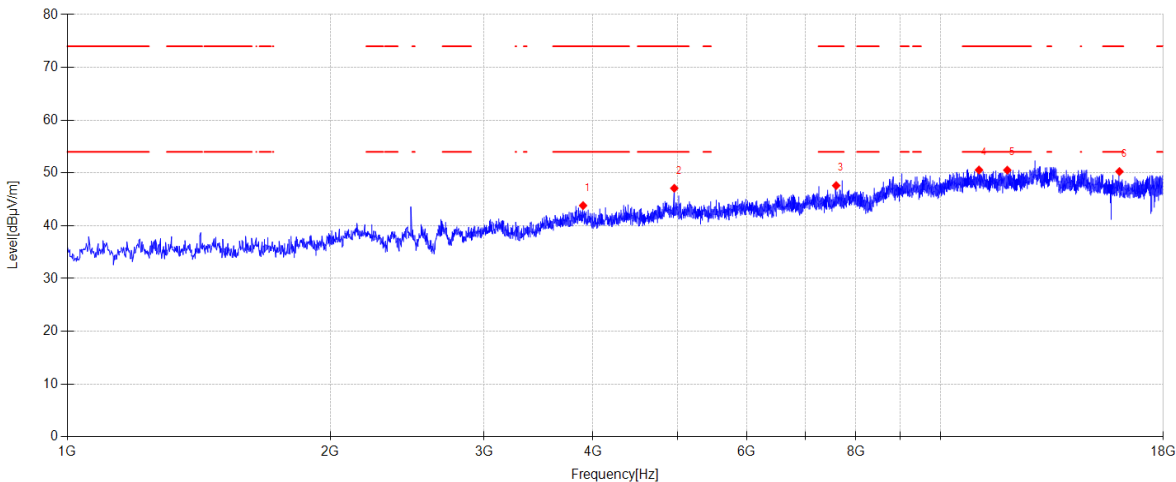
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3896.800	47.23	31.18	5.07	-39.66	43.82	74.00	30.18	PK	Vertical
2	4955.900	47.97	33.11	5.62	-39.60	47.10	74.00	26.90	PK	Vertical
3	7596.000	44.82	36.49	6.76	-40.46	47.61	74.00	26.39	PK	Vertical
4	11069.100	42.16	39.30	8.17	-39.07	50.56	74.00	23.44	PK	Vertical
5	11927.600	42.77	38.98	8.71	-39.93	50.53	74.00	23.47	PK	Vertical
6	16031.400	41.56	37.97	10.16	-39.42	50.27	74.00	23.73	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2402 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

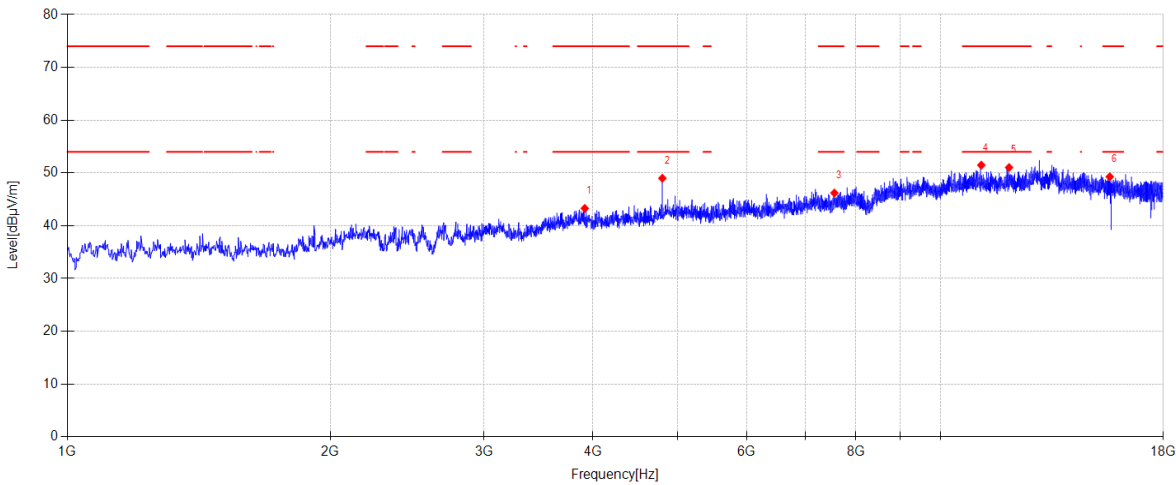
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Memo:

Sample Numbler:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3913.800	46.72	31.17	5.06	-39.66	43.29	74.00	30.71	PK	Horizontal
2	4802.900	50.51	32.58	5.53	-39.62	49.00	74.00	25.00	PK	Horizontal
3	7560.300	43.54	36.42	6.74	-40.50	46.20	74.00	27.80	PK	Horizontal
4	11137.100	43.14	39.26	8.22	-39.14	51.48	74.00	22.52	PK	Horizontal
5	11983.700	43.11	39.15	8.75	-39.98	51.03	74.00	22.97	PK	Horizontal
6	15628.500	40.21	38.57	9.90	-39.40	49.28	74.00	24.72	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2402 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

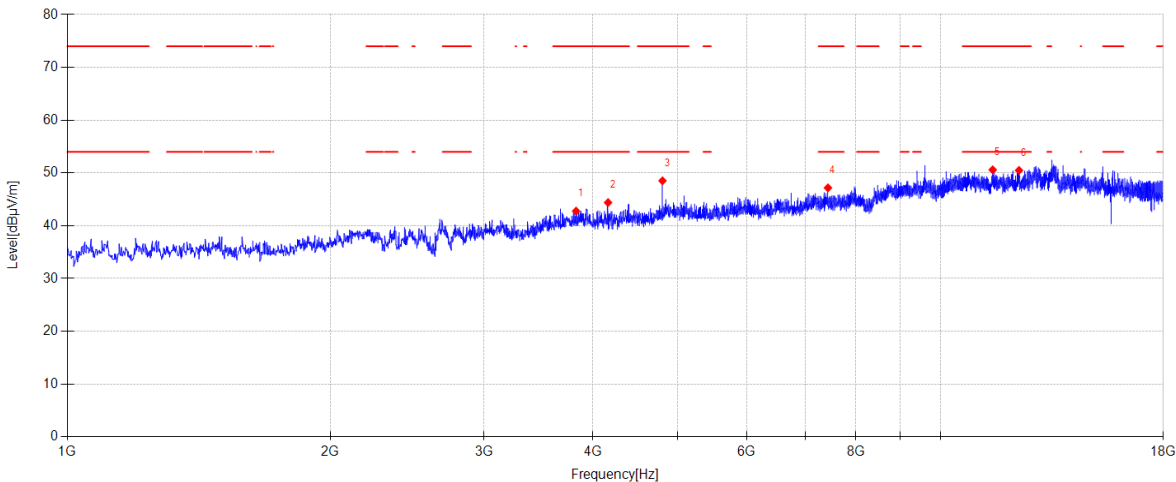
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Memo:

Sample Numbler:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3825.400	46.54	30.80	5.08	-39.64	42.78	74.00	31.22	PK	Vertical
2	4162.000	47.71	31.20	5.15	-39.67	44.39	74.00	29.61	PK	Vertical
3	4804.600	49.99	32.62	5.53	-39.62	48.52	74.00	25.48	PK	Vertical
4	7432.800	44.49	36.63	6.67	-40.61	47.18	74.00	26.82	PK	Vertical
5	11477.100	42.43	39.22	8.43	-39.48	50.60	74.00	23.40	PK	Vertical
6	12301.600	42.22	39.30	8.91	-39.94	50.49	74.00	23.51	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2440 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

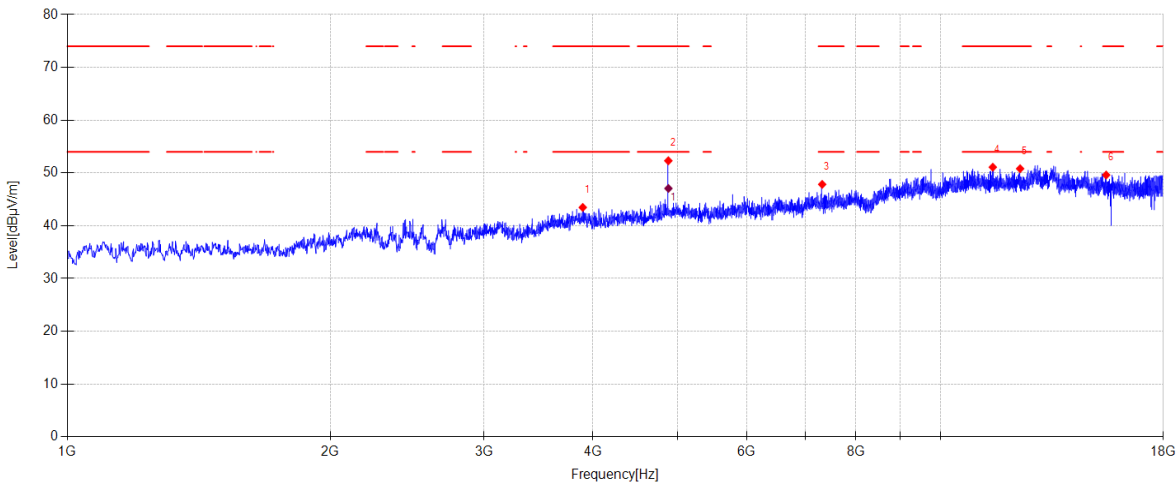
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Memo:

Sample Numbler:S24111120-001 Power Setting:8

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3893.400	46.89	31.16	5.07	-39.65	43.47	74.00	30.53	PK	Horizontal
2	4879.400	53.01	33.33	5.58	-39.61	52.31	74.00	21.69	PK	Horizontal
3	7320.600	45.08	36.86	6.61	-40.71	47.84	74.00	26.16	PK	Horizontal
4	11480.500	42.92	39.22	8.43	-39.48	51.09	74.00	22.91	PK	Horizontal
5	12337.300	42.51	39.30	8.93	-39.93	50.81	74.00	23.19	PK	Horizontal
6	15480.600	40.37	38.84	9.80	-39.40	49.61	74.00	24.39	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity	
1	4880.110	47.76	33.33	5.58	47.06	54.00	6.94	AV	Horizontal	

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2440 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

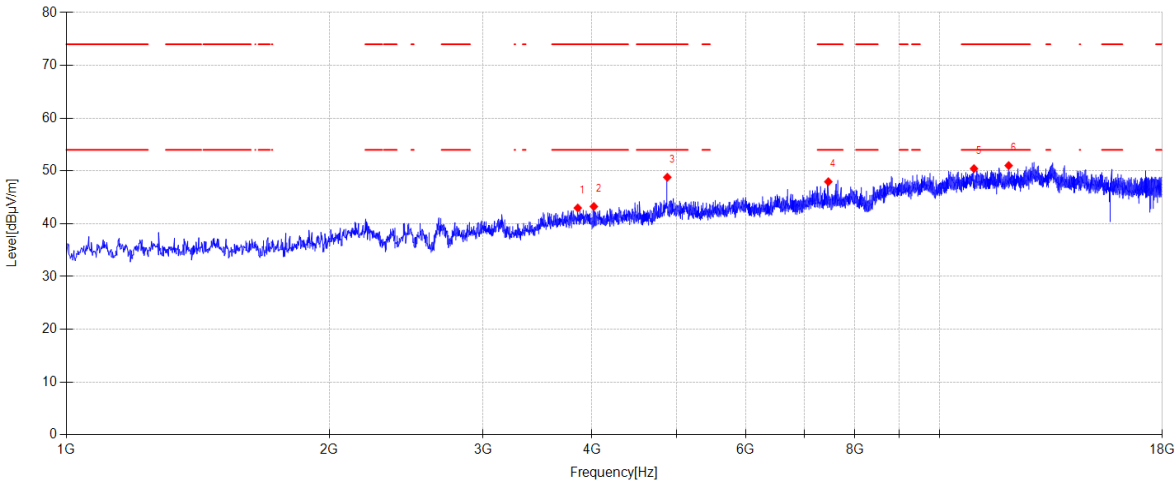
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Memo:

Sample Numbler:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3852.600	46.63	30.92	5.08	-39.64	42.99	74.00	31.01	PK	Vertical
2	4019.200	46.94	30.94	5.06	-39.68	43.26	74.00	30.74	PK	Vertical
3	4879.400	49.50	33.33	5.58	-39.61	48.80	74.00	25.20	PK	Vertical
4	7460.000	45.29	36.58	6.68	-40.59	47.96	74.00	26.04	PK	Vertical
5	10953.500	42.06	39.30	8.11	-39.03	50.44	74.00	23.56	PK	Vertical
6	12002.400	43.06	39.20	8.76	-40.00	51.02	74.00	22.98	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2480 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

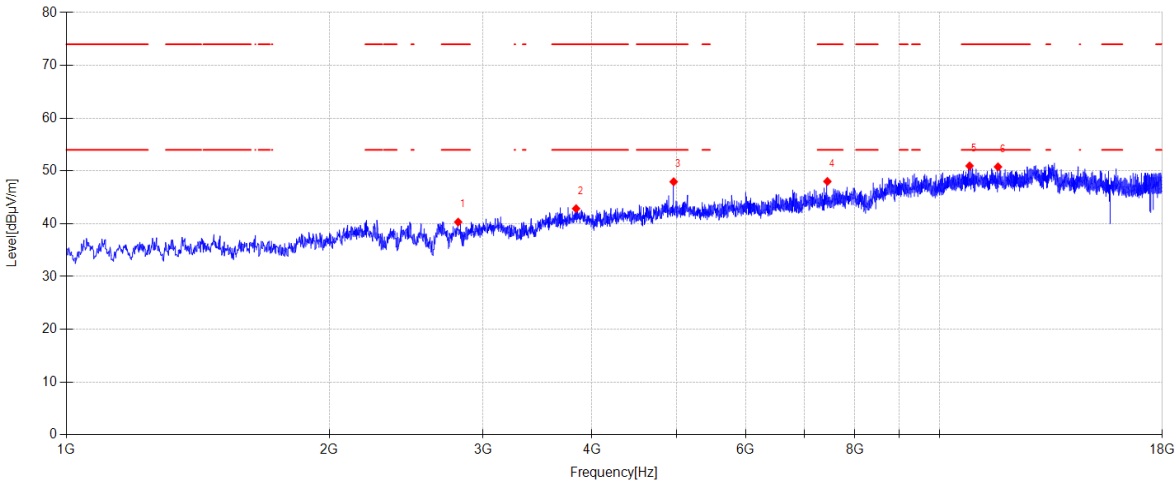
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Memo:

Sample Numbler:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2810.500	46.94	27.48	5.10	-39.20	40.32	74.00	33.68	PK	Horizontal
2	3835.600	46.58	30.84	5.08	-39.64	42.86	74.00	31.14	PK	Horizontal
3	4961.000	48.81	33.12	5.63	-39.60	47.96	74.00	26.04	PK	Horizontal
4	7441.300	45.32	36.62	6.67	-40.60	48.01	74.00	25.99	PK	Horizontal
5	10826.000	42.65	39.37	8.04	-39.10	50.96	74.00	23.04	PK	Horizontal
6	11669.200	42.90	39.00	8.55	-39.67	50.78	74.00	23.22	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2480 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

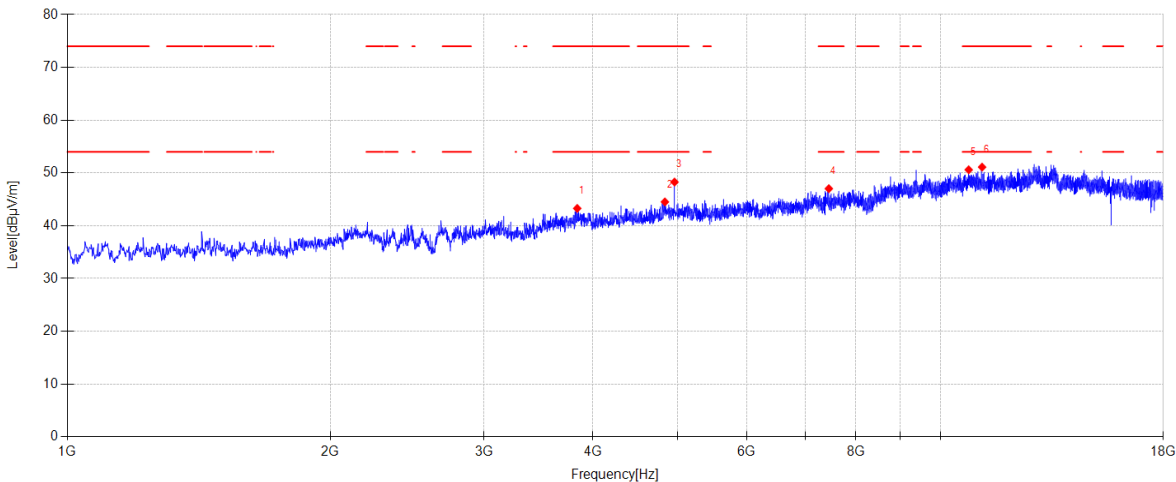
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Memo:

Sample Numbler:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3837.300	46.99	30.85	5.08	-39.64	43.28	74.00	30.72	PK	Vertical
2	4835.200	45.15	33.42	5.55	-39.61	44.51	74.00	29.49	PK	Vertical
3	4959.300	49.13	33.12	5.63	-39.60	48.28	74.00	25.72	PK	Vertical
4	7449.800	44.34	36.60	6.68	-40.60	47.02	74.00	26.98	PK	Vertical
5	10773.300	42.32	39.40	8.02	-39.14	50.60	74.00	23.40	PK	Vertical
6	11160.900	42.80	39.24	8.23	-39.16	51.11	74.00	22.89	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2404 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

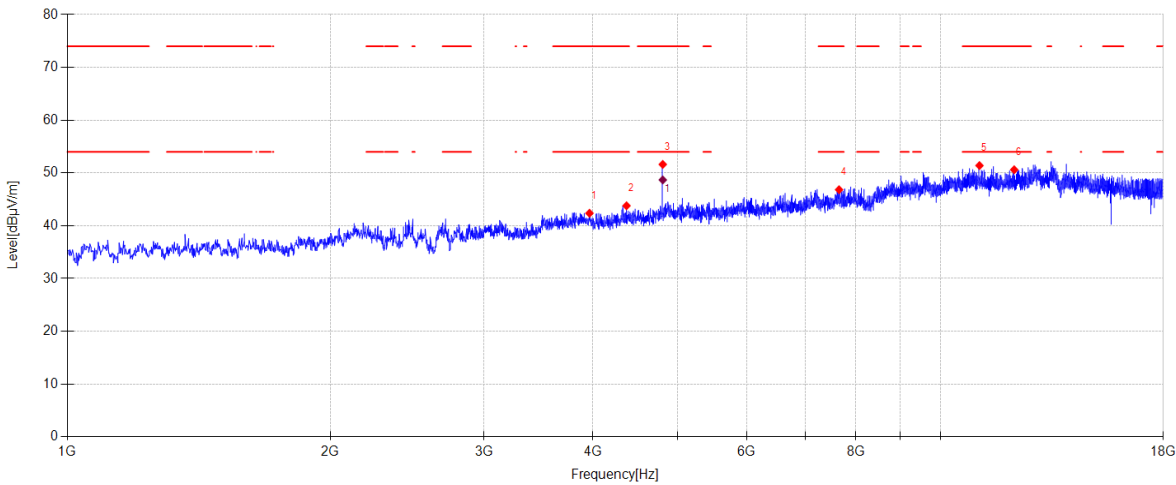
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Memo:

Sample Numbel:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3963.100	45.93	31.05	5.06	-39.67	42.37	74.00	31.63	PK	Horizontal
2	4369.400	46.52	31.64	5.27	-39.65	43.78	74.00	30.22	PK	Horizontal
3	4808.000	53.00	32.71	5.53	-39.62	51.62	74.00	22.38	PK	Horizontal
4	7653.800	43.84	36.61	6.79	-40.41	46.83	74.00	27.17	PK	Horizontal
5	11084.400	43.00	39.30	8.18	-39.08	51.40	74.00	22.60	PK	Horizontal
6	12146.900	42.45	39.30	8.83	-39.97	50.61	74.00	23.39	PK	Horizontal

Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4808.000	50.06	32.71	5.53	48.68	54.00	5.32	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2404 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

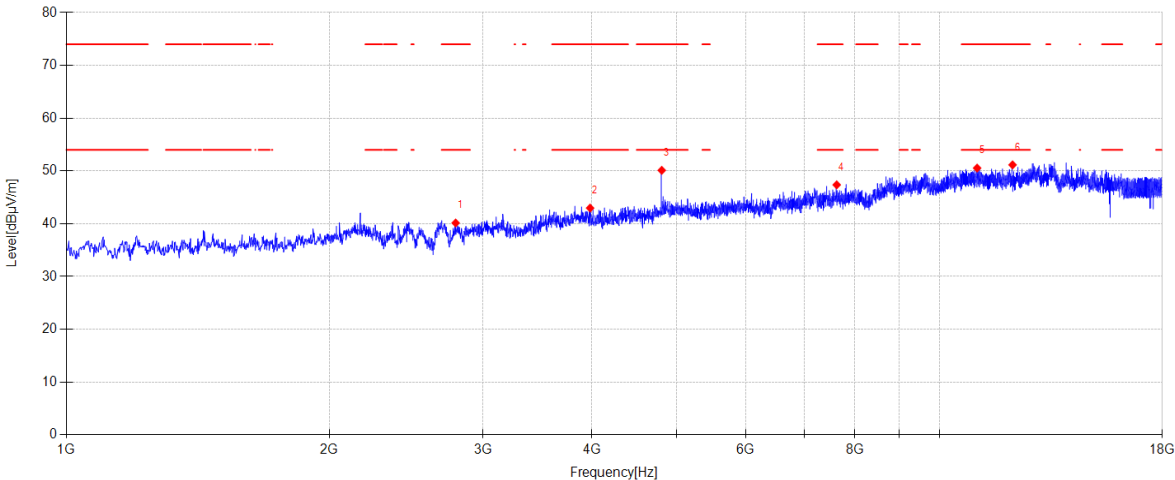
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Memo:

Sample Numbler:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2791.800	46.80	27.43	5.09	-39.18	40.14	74.00	33.86	PK	Vertical
2	3980.100	46.62	30.98	5.05	-39.68	42.97	74.00	31.03	PK	Vertical
3	4808.000	51.50	32.71	5.53	-39.62	50.12	74.00	23.88	PK	Vertical
4	7626.600	44.49	36.55	6.77	-40.44	47.37	74.00	26.63	PK	Vertical
5	11043.600	42.13	39.30	8.16	-39.04	50.55	74.00	23.45	PK	Vertical
6	12126.500	43.00	39.30	8.82	-39.97	51.15	74.00	22.85	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2440 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

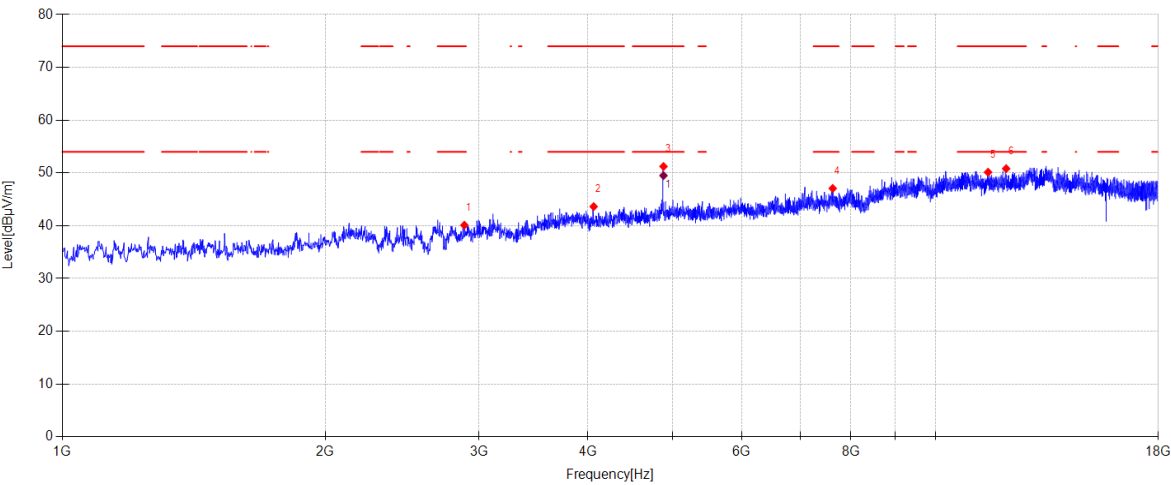
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Memo:

Sample Numbler:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2887.000	46.16	28.10	5.15	-39.30	40.11	74.00	33.89	PK	Horizontal
2	4060.000	47.19	31.02	5.09	-39.68	43.62	74.00	30.38	PK	Horizontal
3	4881.100	51.96	33.30	5.58	-39.61	51.23	74.00	22.77	PK	Horizontal
4	7626.600	44.19	36.55	6.77	-40.44	47.07	74.00	26.93	PK	Horizontal
5	11487.300	41.98	39.21	8.44	-39.49	50.14	74.00	23.86	PK	Horizontal
6	12050.000	42.77	39.25	8.79	-39.99	50.82	74.00	23.18	PK	Horizontal

Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4881.100	50.23	33.30	5.58	49.50	54.00	4.50	AV	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2440 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

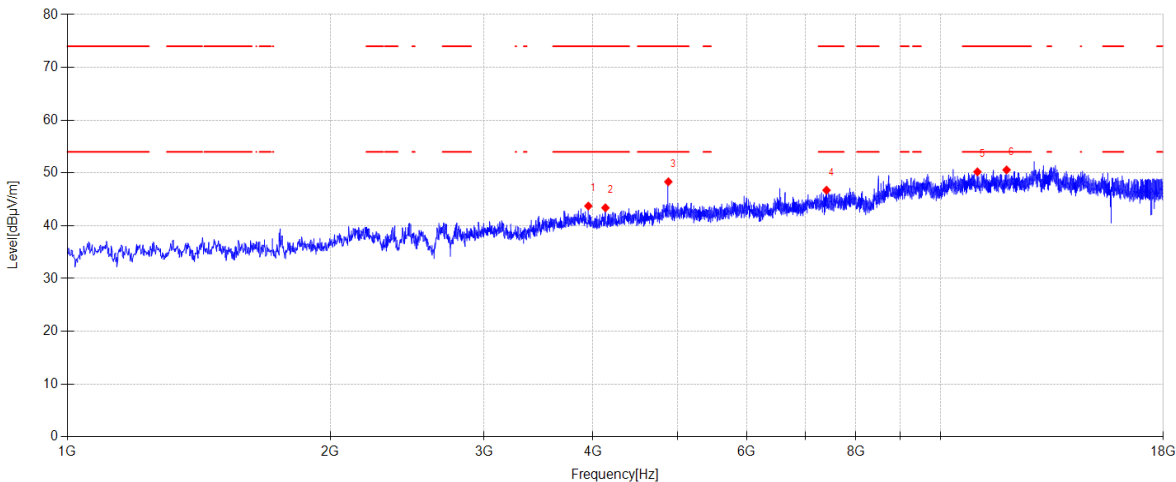
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Memo:

Sample Numble:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3951.200	47.25	31.10	5.06	-39.67	43.74	74.00	30.26	PK	Vertical
2	4133.100	46.77	31.17	5.13	-39.67	43.40	74.00	30.60	PK	Vertical
3	4879.400	49.03	33.33	5.58	-39.61	48.33	74.00	25.67	PK	Vertical
4	7403.900	44.03	36.69	6.65	-40.64	46.73	74.00	27.27	PK	Vertical
5	11024.900	41.78	39.30	8.15	-39.02	50.21	74.00	23.79	PK	Vertical
6	11905.500	42.87	38.92	8.70	-39.91	50.58	74.00	23.42	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2478 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

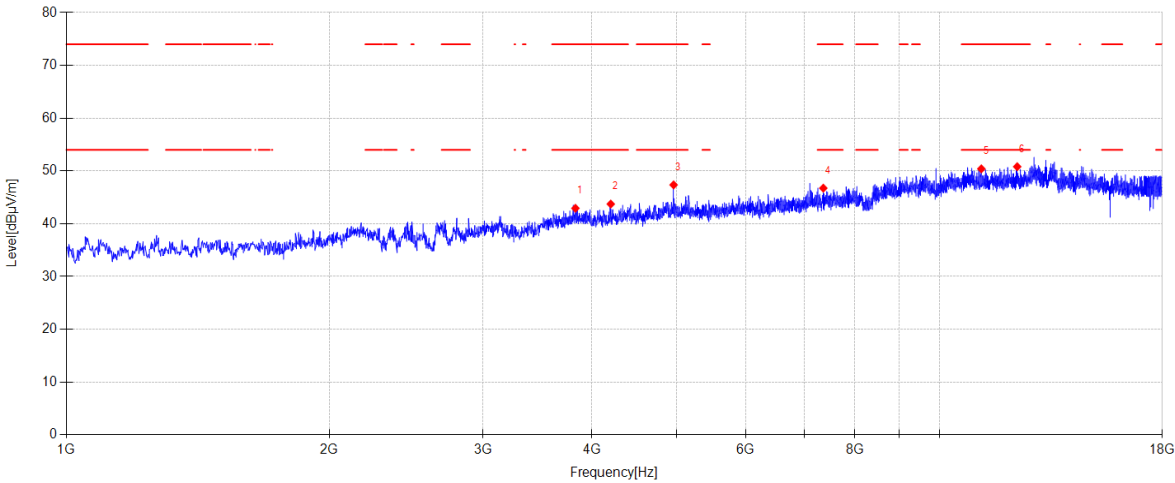
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Memo:

Sample Numbler:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3828.800	46.67	30.82	5.08	-39.64	42.93	74.00	31.07	PK	Horizontal
2	4202.800	47.01	31.21	5.17	-39.66	43.73	74.00	30.27	PK	Horizontal
3	4961.000	48.21	33.12	5.63	-39.60	47.36	74.00	26.64	PK	Horizontal
4	7361.400	44.00	36.78	6.63	-40.67	46.74	74.00	27.26	PK	Horizontal
5	11167.700	42.10	39.23	8.24	-39.17	50.40	74.00	23.60	PK	Horizontal
6	12274.400	42.56	39.30	8.90	-39.95	50.81	74.00	23.19	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2478 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

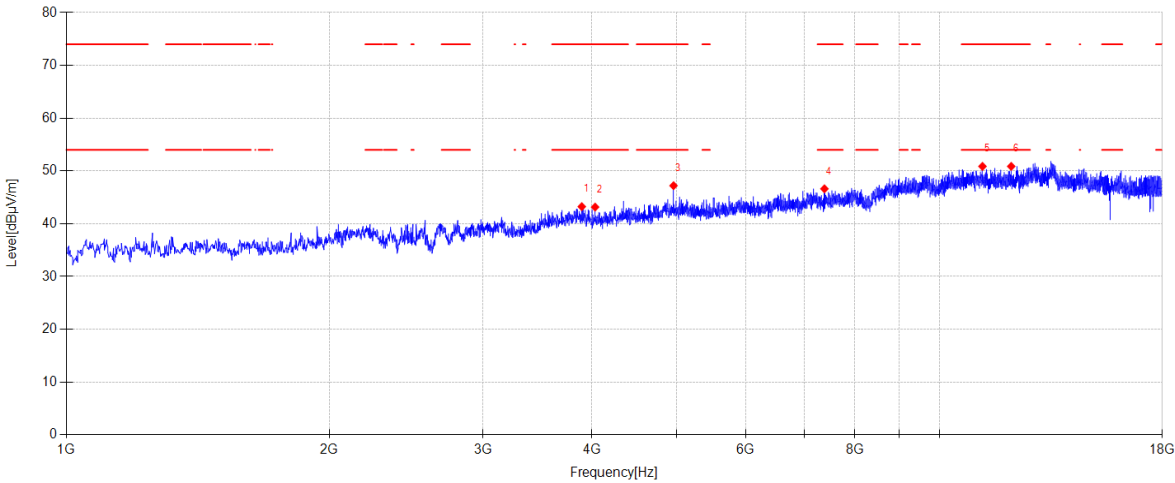
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Memo:

Sample Numbler:S24111120-001 Power Setting:3

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3893.400	46.66	31.16	5.07	-39.65	43.24	74.00	30.76	PK	Vertical
2	4032.800	46.79	30.97	5.07	-39.68	43.15	74.00	30.85	PK	Vertical
3	4959.300	48.06	33.12	5.63	-39.60	47.21	74.00	26.79	PK	Vertical
4	7383.500	43.90	36.73	6.64	-40.65	46.62	74.00	27.38	PK	Vertical
5	11201.700	42.61	39.20	8.26	-39.20	50.87	74.00	23.13	PK	Vertical
6	12084.000	42.77	39.28	8.80	-39.98	50.87	74.00	23.13	PK	Vertical

Note:

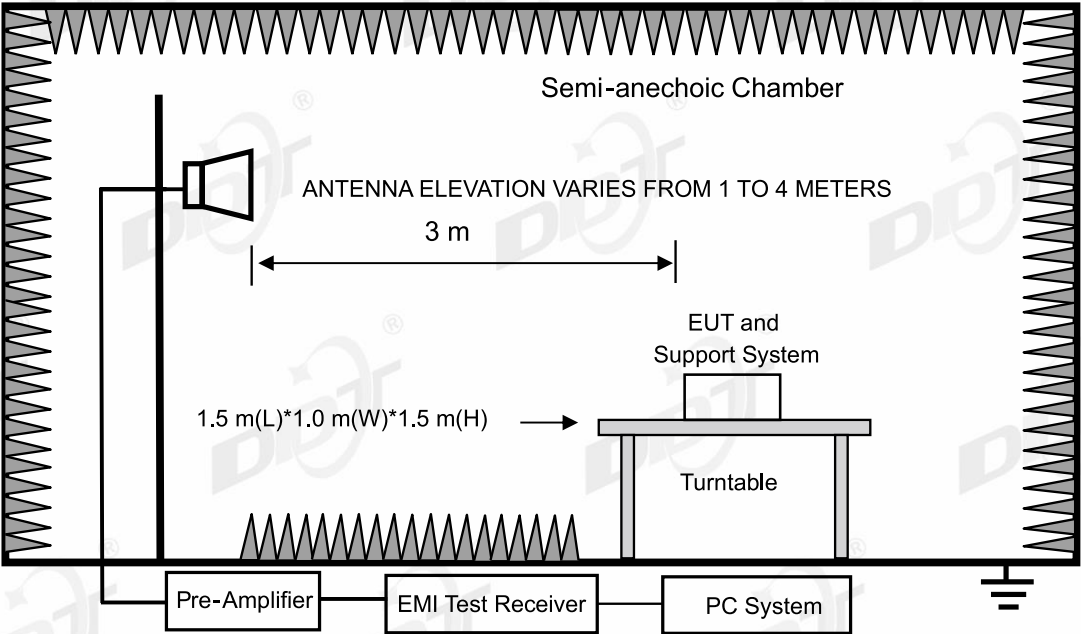
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13.Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/08/25
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2025/09/18
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22

13.2. Block diagram of test setup



13.3. Limits

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

13.5. Test procedure

Same with Radiated Emission except change investigated frequency range.
Remark: All restriction band have been tested, and only the worst case is shown in report.

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2402 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

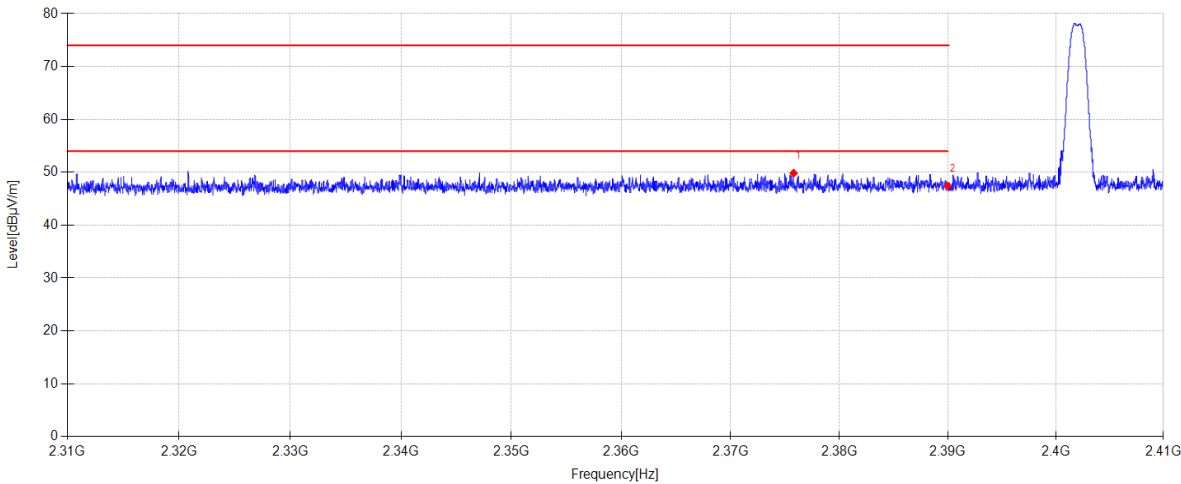
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Memo:

Sample Numbler:S24111120-001 Power Setting:4

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2375.790	19.08	27.20	3.56	0.00	49.84	74.00	24.16	PK	Horizontal
2	2390.000	16.57	27.26	3.57	0.00	47.40	74.00	26.60	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2402 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

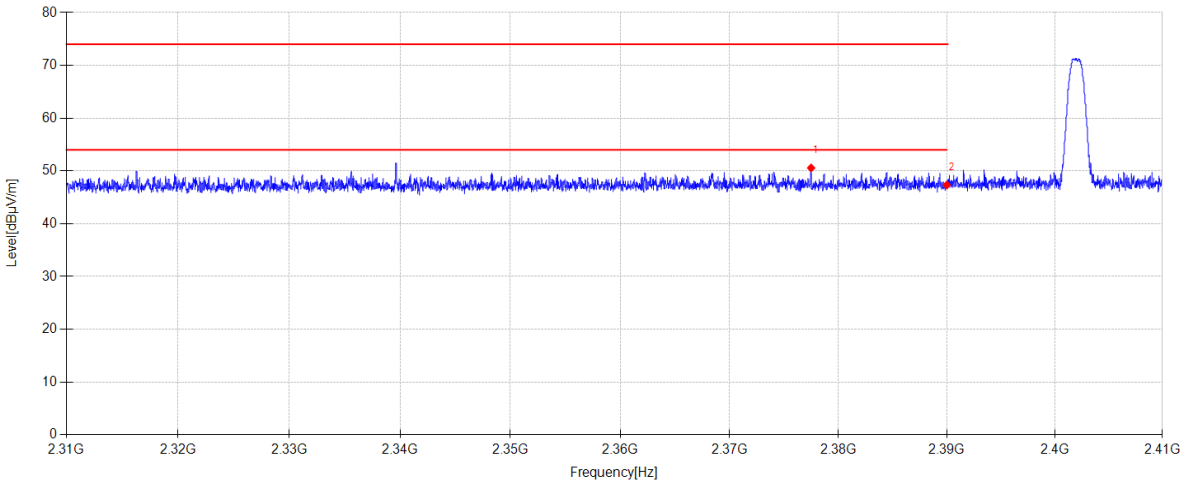
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Memo:

Sample Numble:S24111120-001 Power Setting:4

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2377.490	19.80	27.21	3.56	0.00	50.57	74.00	23.43	PK	Vertical
2	2390.000	16.51	27.26	3.57	0.00	47.34	74.00	26.66	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2480 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

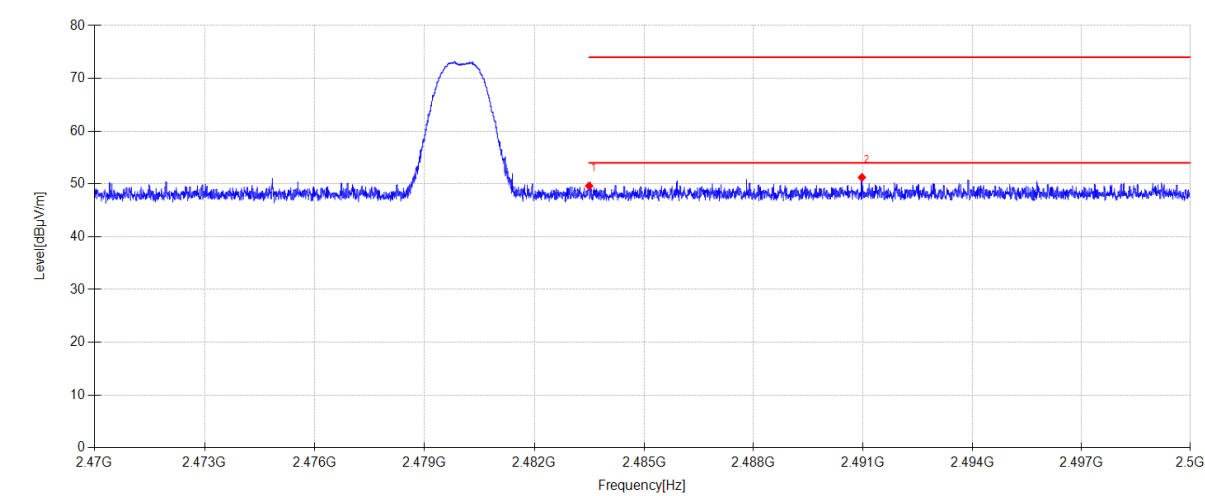
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Memo:

Sample Numble:S24111120-001 Power Setting:4

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	18.47	27.53	3.62	0.00	49.62	74.00	24.38	PK	Horizontal
2	2490.973	20.06	27.56	3.62	0.00	51.24	74.00	22.76	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE1M 2480 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

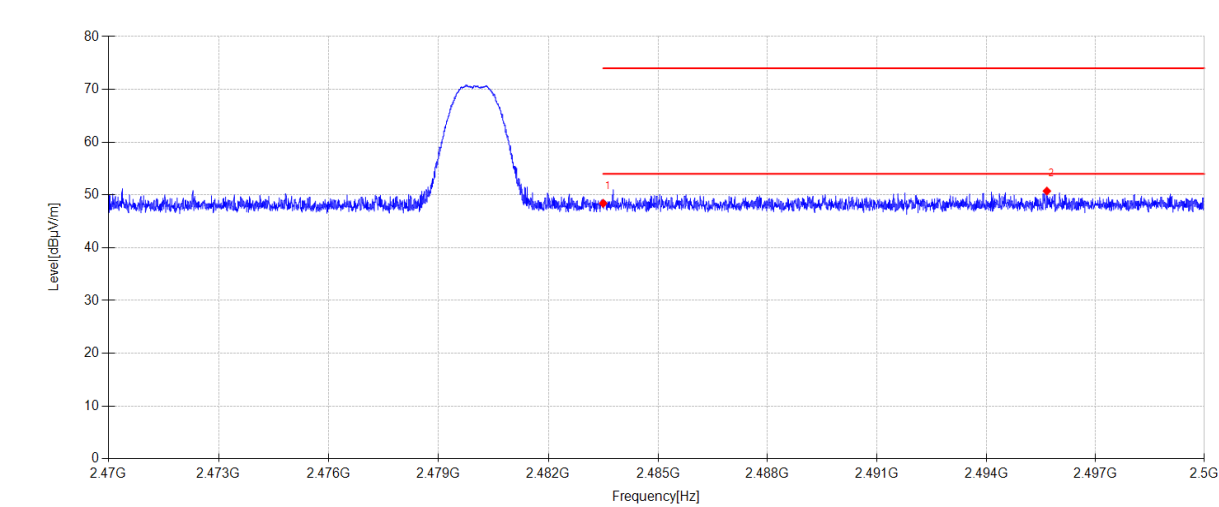
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Memo:

Sample Numble:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.26	27.53	3.62	0.00	48.41	74.00	25.59	PK	Vertical
2	2495.668	19.53	27.58	3.63	0.00	50.74	74.00	23.26	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2404 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

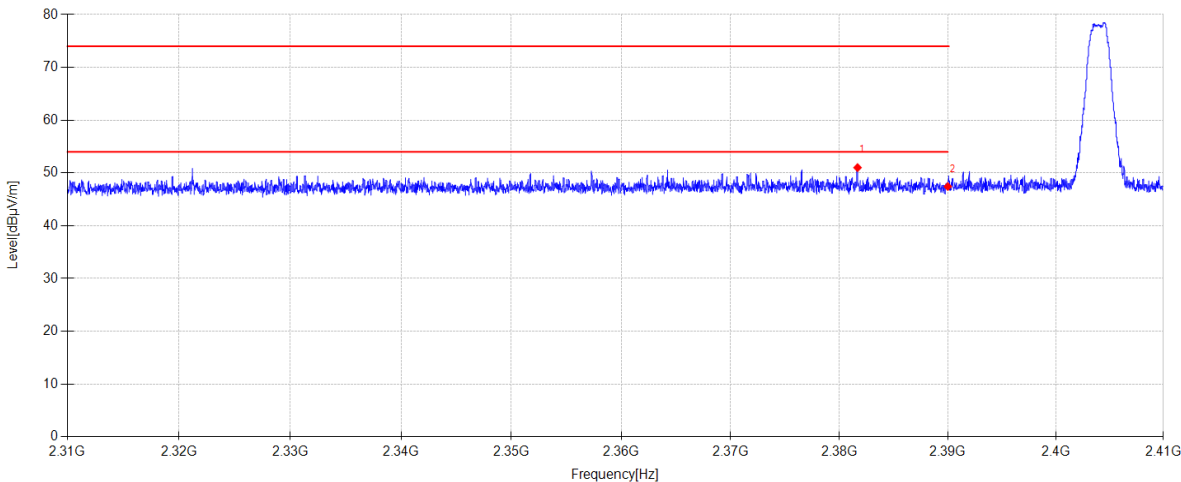
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Memo:

Sample Numble:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2381.670	20.22	27.23	3.56	0.00	51.01	74.00	22.99	PK	Horizontal
2	2390.000	16.60	27.26	3.57	0.00	47.43	74.00	26.57	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2404 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

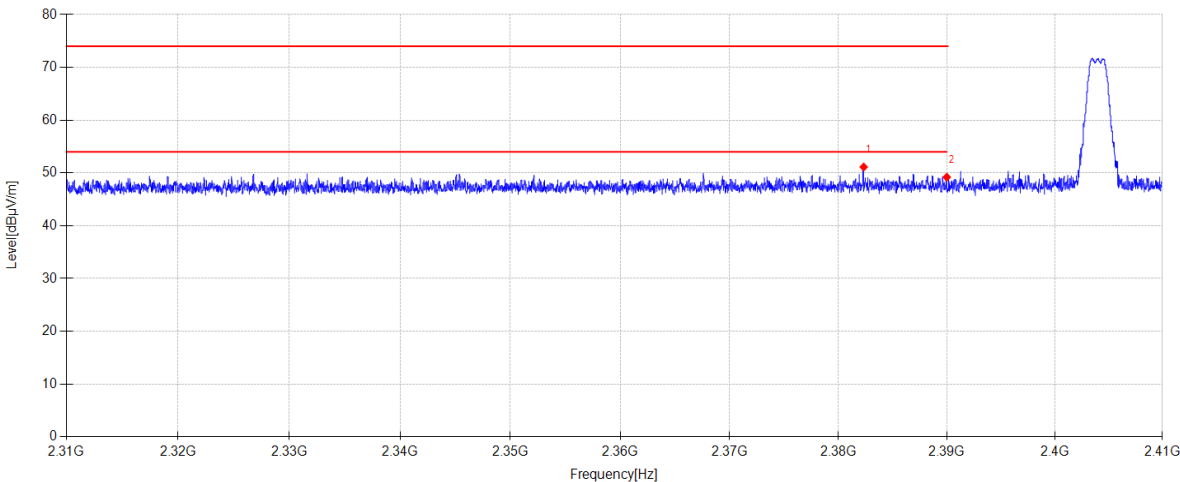
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Memo:

Sample Numble:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2382.330	20.33	27.23	3.56	0.00	51.12	74.00	22.88	PK	Vertical
2	2390.000	18.38	27.26	3.57	0.00	49.21	74.00	24.79	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2478 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

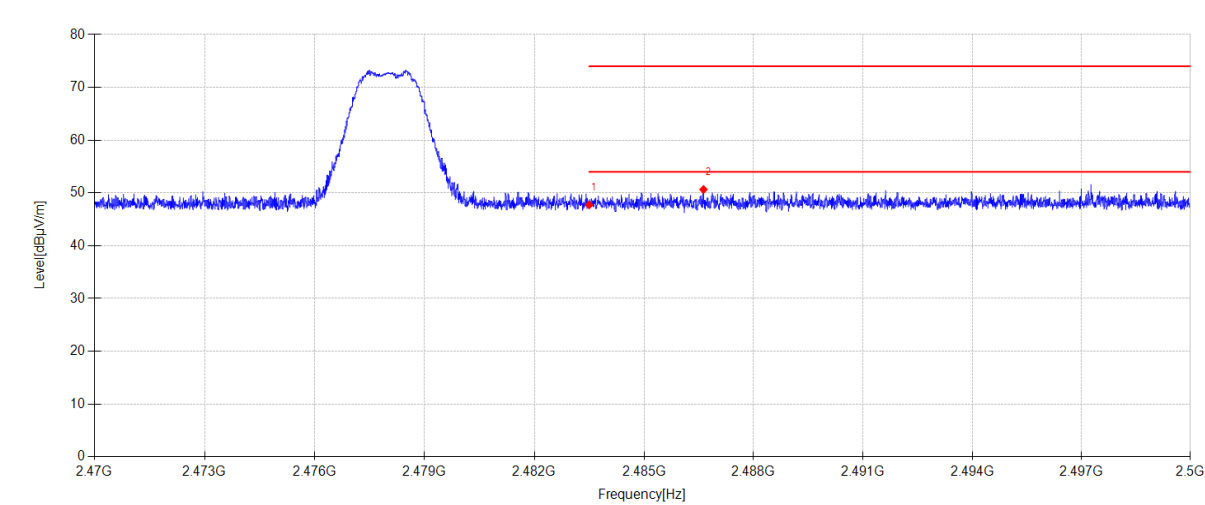
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Memo:

Sample Numble:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.59	27.53	3.62	0.00	47.74	74.00	26.26	PK	Horizontal
2	2486.629	19.49	27.55	3.62	0.00	50.66	74.00	23.34	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MRM-G2

Test Mode:

BLE2M 2478 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

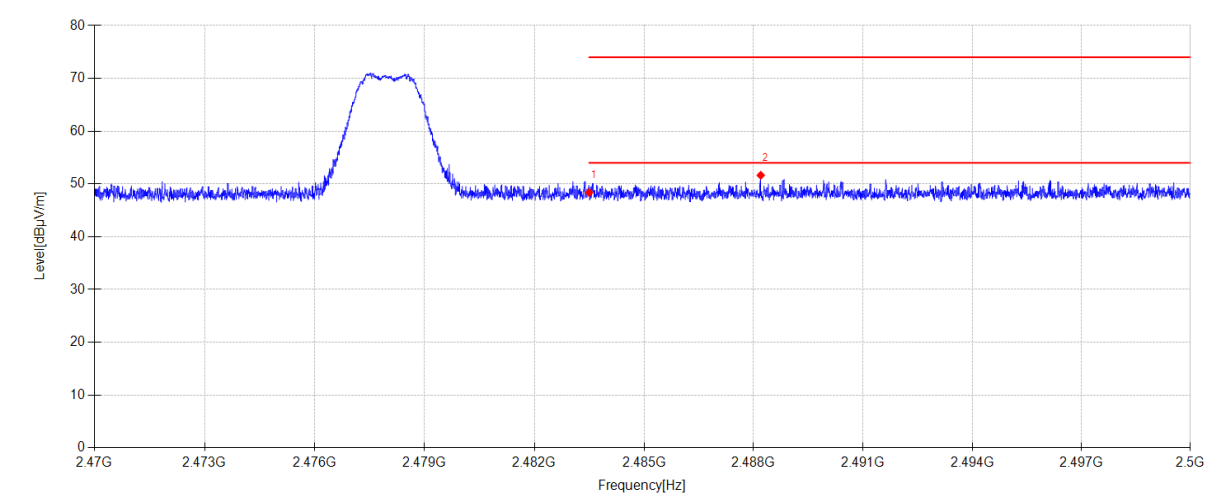
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Memo:

Sample Numble:S24111120-001 Power Setting:4

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.22	27.53	3.62	0.00	48.37	74.00	25.63	PK	Vertical
2	2488.198	20.47	27.55	3.62	0.00	51.64	74.00	22.36	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2402 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

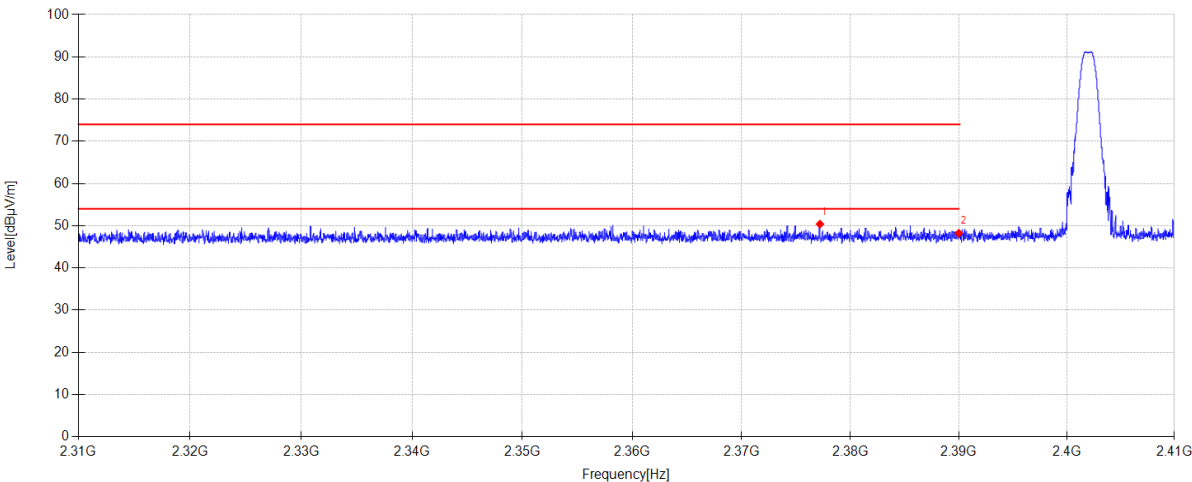
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Memo:

Sample Numble:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2377.200	19.61	27.21	3.56	0.00	50.38	74.00	23.62	PK	Horizontal
2	2390.000	17.38	27.26	3.57	0.00	48.21	74.00	25.79	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2402 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

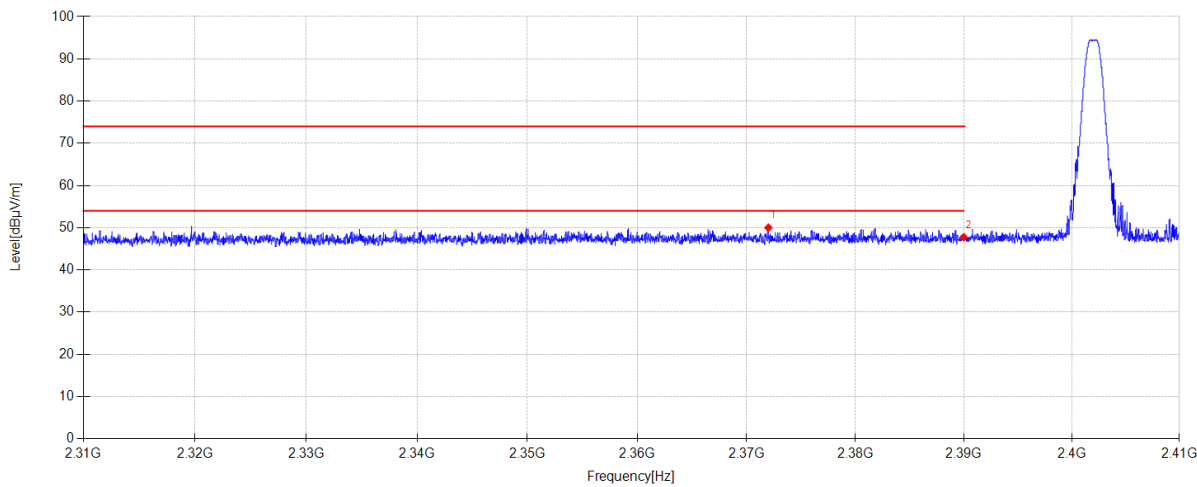
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Memo:

Sample Numble:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2372.010	19.25	27.19	3.56	0.00	50.00	74.00	24.00	PK	Vertical
2	2390.000	16.92	27.26	3.57	0.00	47.75	74.00	26.25	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2480 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

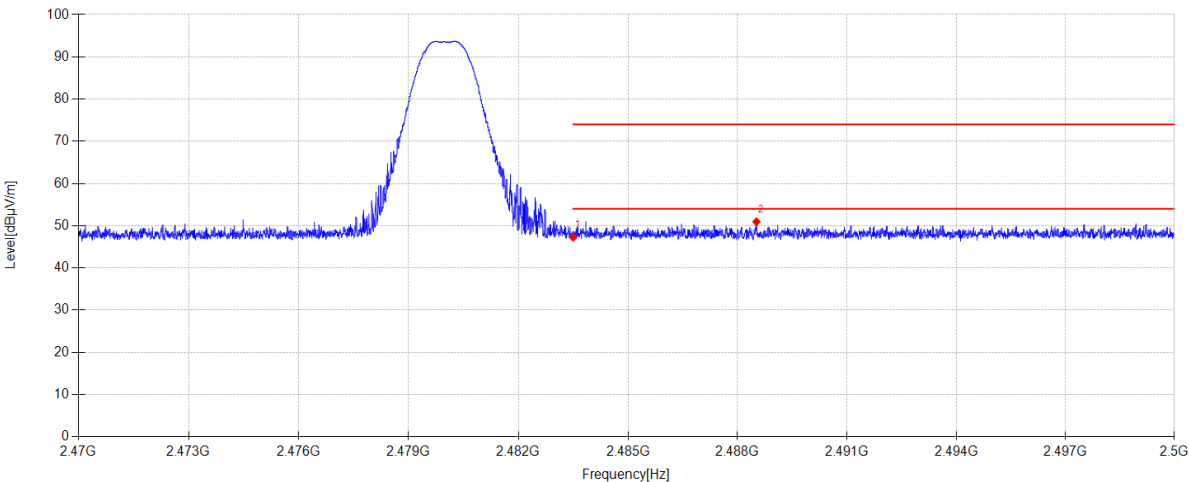
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Memo:

Sample Numble:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.09	27.53	3.62	0.00	47.24	74.00	26.76	PK	Horizontal
2	2488.519	19.79	27.55	3.62	0.00	50.96	74.00	23.04	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE1M 2480 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

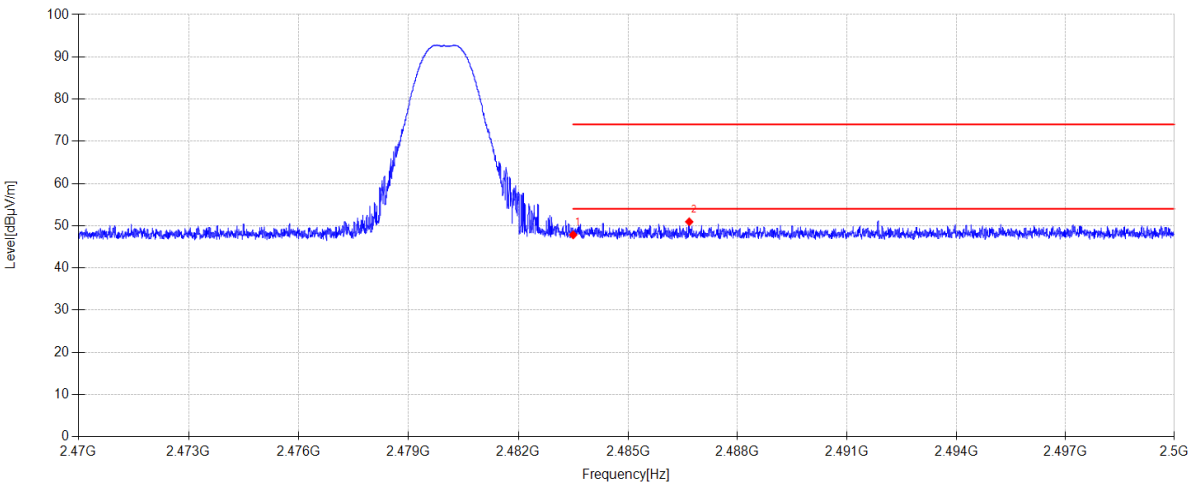
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Memo:

Sample Numble:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.69	27.53	3.62	0.00	47.84	74.00	26.16	PK	Vertical
2	2486.677	19.77	27.55	3.62	0.00	50.94	74.00	23.06	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2404 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

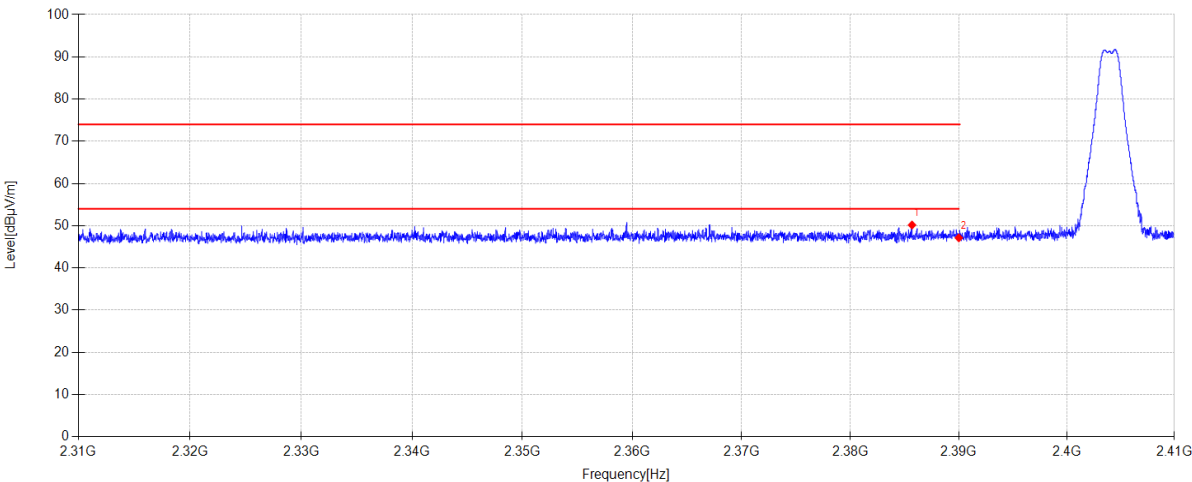
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Memo:

Sample Numble:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2385.680	19.36	27.24	3.57	0.00	50.17	74.00	23.83	PK	Horizontal
2	2390.000	16.29	27.26	3.57	0.00	47.12	74.00	26.88	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-26

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2404 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

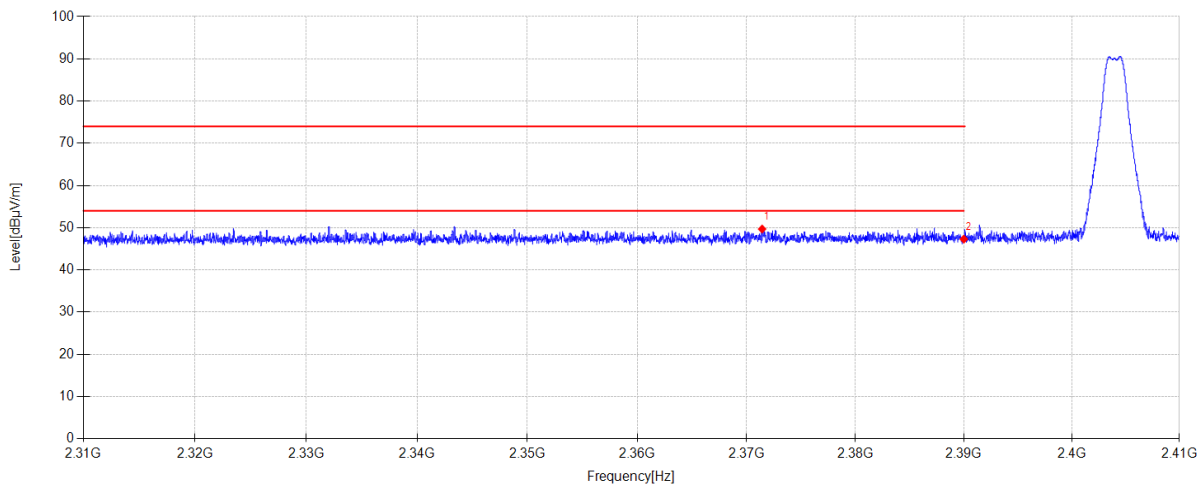
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Memo:

Sample Numble:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2371.430	18.94	27.19	3.56	0.00	49.69	74.00	24.31	PK	Vertical
2	2390.000	16.47	27.26	3.57	0.00	47.30	74.00	26.70	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2478 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

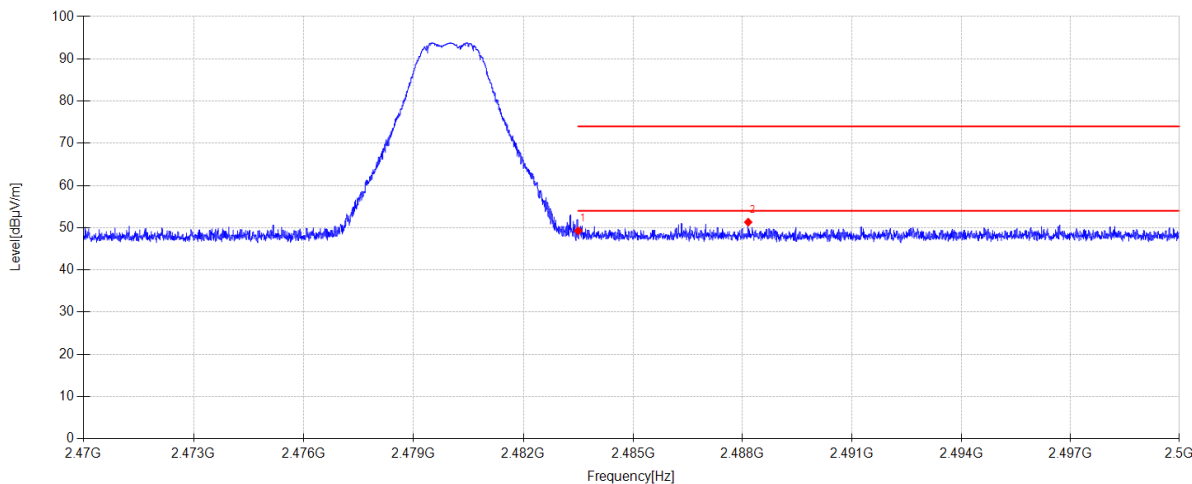
File Path:

d:\ts\2024 report data\Q24111120-1E\FCC ABOVE1G\16

Memo:

Sample Numble:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	18.11	27.53	3.62	0.00	49.26	74.00	24.74	PK	Horizontal
2	2488.156	20.15	27.55	3.62	0.00	51.32	74.00	22.68	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-25

Tested By:

Zhong Nan

EUT:

DC Motor

Model Number:

MHC-G2

Test Mode:

BLE2M 2478 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

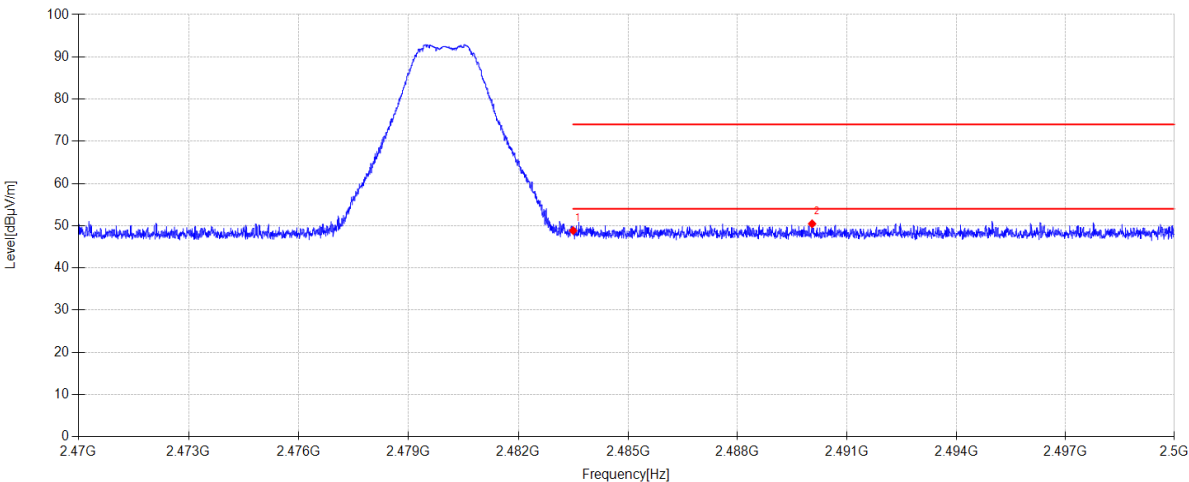
File Path:

d:\ts\2024 report data\Q24111120-1E\FCC ABOVE1G\17

Memo:

Sample Numble:S24111120-001 Power Setting:3

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.69	27.53	3.62	0.00	48.84	74.00	25.16	PK	Vertical
2	2490.046	19.28	27.56	3.62	0.00	50.46	74.00	23.54	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

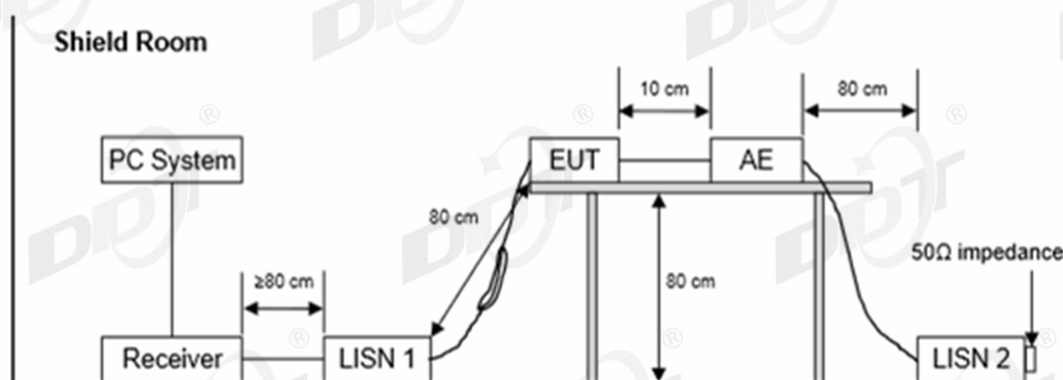
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14.Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Two Line V-Network	R&S	ENV216	DDT-ZC02056	2025/07/08
Δ-shaped artificial power network	SCHWARZBEC K	PVDC 8301	DDT-ZC03939	2025/03/31
RF Cable	Yuhu Technology	Z806-NJ-NJ-6M	DDT-ZC02004	2025/07/08
Three-phase artificial power network	SCHWARZBEC K	NSLK 8163	DDT-ZC01572	2025/07/08
Pulse Limiter	SCHWARZBEC K	VTSD 9561	DDT-ZC02128	2025/07/08
Two Line V-Network	R&S	ENV216	DDT-ZC02059	2025/07/08
Conducted Radiated Software	Audix	E3	DDT-ZC00562	/
EMI Test Receiver	R&S	ESCI/E3	DDT-ZC01297	2025/07/08

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

14.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "----" means Peak detection; "----" means Average detection.

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room

D:\2024 Report Date\Q24111120-2E\FCC-CE.EM6

Test Date : 2024-11-21

Tested By : Genliu

EUT : DC Motor/DC Motor

Model Number : MRM-G2

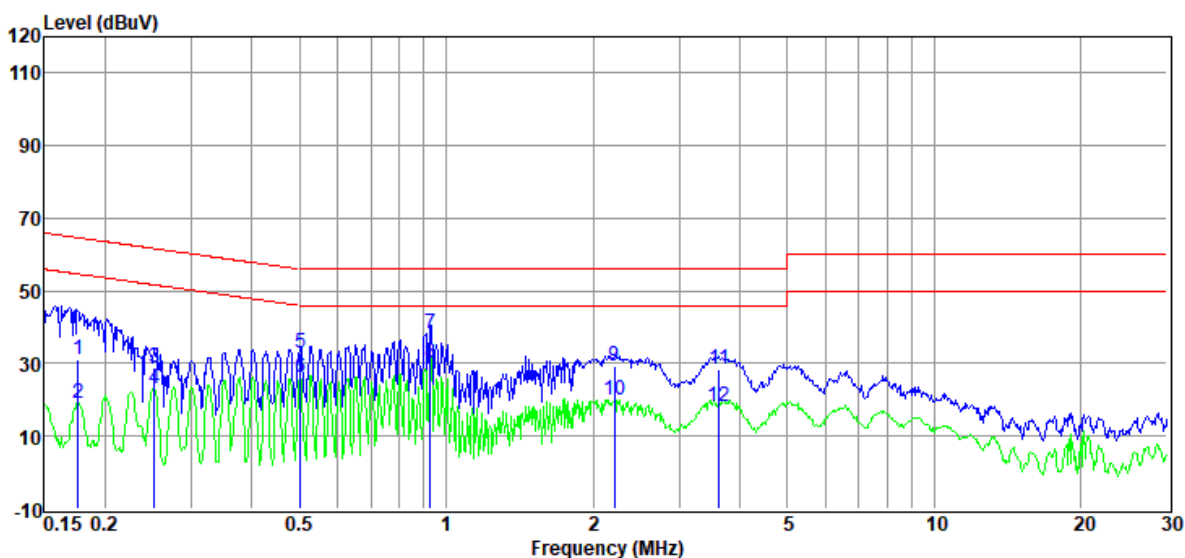
Power Supply : AC 120V/60Hz

Test Mode : BLE1M mode

Condition : Temp:21.5°C,Humi:51.8%

LISN : 2023 ENV 216 3#/NEUTRAL

Memo : S24111120-001



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.18	11.40	9.80	0.11	9.94	31.25	64.68	-33.43	QP	NEUTRAL
2	0.18	-0.86	9.80	0.11	9.94	18.99	54.68	-35.69	Average	NEUTRAL
3	0.25	8.79	9.81	0.12	9.95	28.67	61.69	-33.02	QP	NEUTRAL
4	0.25	3.30	9.81	0.12	9.95	23.18	51.69	-28.51	Average	NEUTRAL
5	0.50	12.92	9.81	0.13	9.96	32.82	56.00	-23.18	QP	NEUTRAL
6	0.50	6.42	9.81	0.13	9.96	26.32	46.00	-19.68	Average	NEUTRAL
7	0.93	17.90	9.96	0.23	9.97	38.06	56.00	-17.94	QP	NEUTRAL
8	0.93	9.95	9.96	0.23	9.97	30.11	46.00	-15.89	Average	NEUTRAL
9	2.21	9.36	9.83	0.26	9.99	29.44	56.00	-26.56	QP	NEUTRAL
10	2.21	-0.36	9.83	0.26	9.99	19.72	46.00	-26.28	Average	NEUTRAL
11	3.62	8.70	9.54	0.27	10.01	28.52	56.00	-27.48	QP	NEUTRAL
12	3.62	-1.81	9.54	0.27	10.01	18.01	46.00	-27.99	Average	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

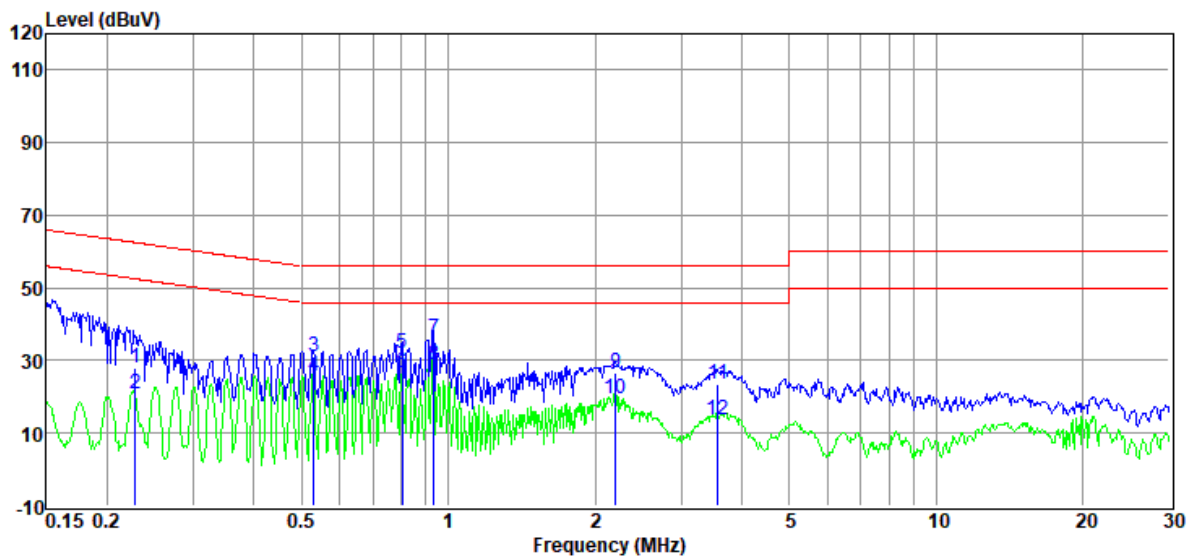
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room
Test Date : 2024-11-21
EUT : DC Motor/DC Motor
Power Supply : AC 120V/60Hz
Condition : Temp:21.5°C,Humi:51.8%
Memo : S24111120-001

D:\2024 Report Date\Q24111120-2E\FCC-CE.EM6
Tested By : Genliu
Model Number : MRM-G2
Test Mode : BLE1M mode
LISN : 2023 ENV 216 3#/LINE



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.23	8.26	9.77	0.11	9.94	28.08	62.52	-34.44	QP	LINE
2	0.23	1.22	9.77	0.11	9.94	21.04	52.52	-31.48	Average	LINE
3	0.53	11.15	9.65	0.13	9.96	30.89	56.00	-25.11	QP	LINE
4	0.53	6.01	9.65	0.13	9.96	25.75	46.00	-20.25	Average	LINE
5	0.80	11.90	10.02	0.18	9.97	32.07	56.00	-23.93	QP	LINE
6	0.80	6.42	10.02	0.18	9.97	26.59	46.00	-19.41	Average	LINE
7	0.93	16.17	9.69	0.23	9.97	36.06	56.00	-19.94	QP	LINE
8	0.93	9.17	9.69	0.23	9.97	29.06	46.00	-16.94	Average	LINE
9	2.20	6.68	9.80	0.26	9.99	26.73	56.00	-29.27	QP	LINE
10	2.20	-0.43	9.80	0.26	9.99	19.62	46.00	-26.38	Average	LINE
11	3.57	3.62	9.71	0.27	10.01	23.61	56.00	-32.39	QP	LINE
12	3.57	-6.09	9.71	0.27	10.01	13.90	46.00	-32.10	Average	LINE

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room

D:\2024 Report Date\Q24111120-2E\FCC-CE.EM6

Test Date : 2024-11-21

Tested By : Genliu

EUT : DC Motor/DC Motor

Model Number : MRM-G2

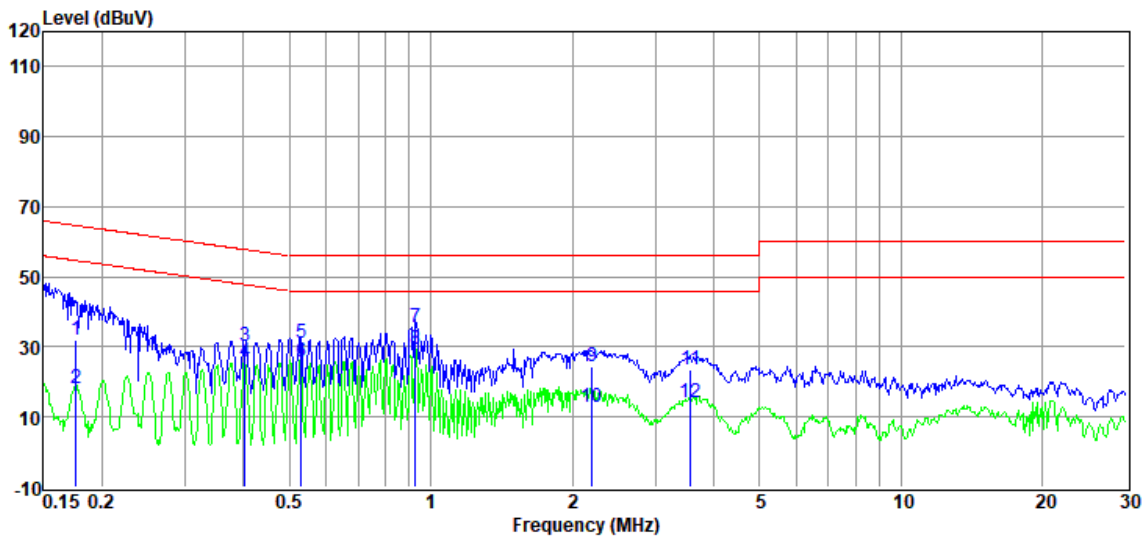
Power Supply : AC 120V/60Hz

Test Mode : BLE2M mode

Condition : Temp:21.5°C,Humi:51.8%

LISN : 2023 ENV 216 3#/LINE

Memo : S24111120-001



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.18	12.32	9.58	0.11	9.94	31.95	64.68	-32.73	QP	LINE
2	0.18	-1.29	9.58	0.11	9.94	18.34	54.68	-36.34	Average	LINE
3	0.40	10.19	9.99	0.13	9.95	30.26	57.81	-27.55	QP	LINE
4	0.40	5.53	9.99	0.13	9.95	25.60	47.81	-22.21	Average	LINE
5	0.53	11.15	9.65	0.13	9.96	30.89	56.00	-25.11	QP	LINE
6	0.53	6.00	9.65	0.13	9.96	25.74	46.00	-20.26	Average	LINE
7	0.93	15.76	9.69	0.23	9.97	35.65	56.00	-20.35	QP	LINE
8	0.93	9.21	9.69	0.23	9.97	29.10	46.00	-16.90	Average	LINE
9	2.20	4.19	9.80	0.26	9.99	24.24	56.00	-31.76	QP	LINE
10	2.20	-7.23	9.80	0.26	9.99	12.82	46.00	-33.18	Average	LINE
11	3.57	3.55	9.71	0.27	10.01	23.54	56.00	-32.46	QP	LINE
12	3.57	-6.03	9.71	0.27	10.01	13.96	46.00	-32.04	Average	LINE

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room

D:\2024 Report Date\Q24111120-2E\FCC-CE.EM6

Test Date : 2024-11-21

Tested By : Genliu

EUT : DC Motor/DC Motor

Model Number : MRM-G2

Power Supply : AC 120V/60Hz

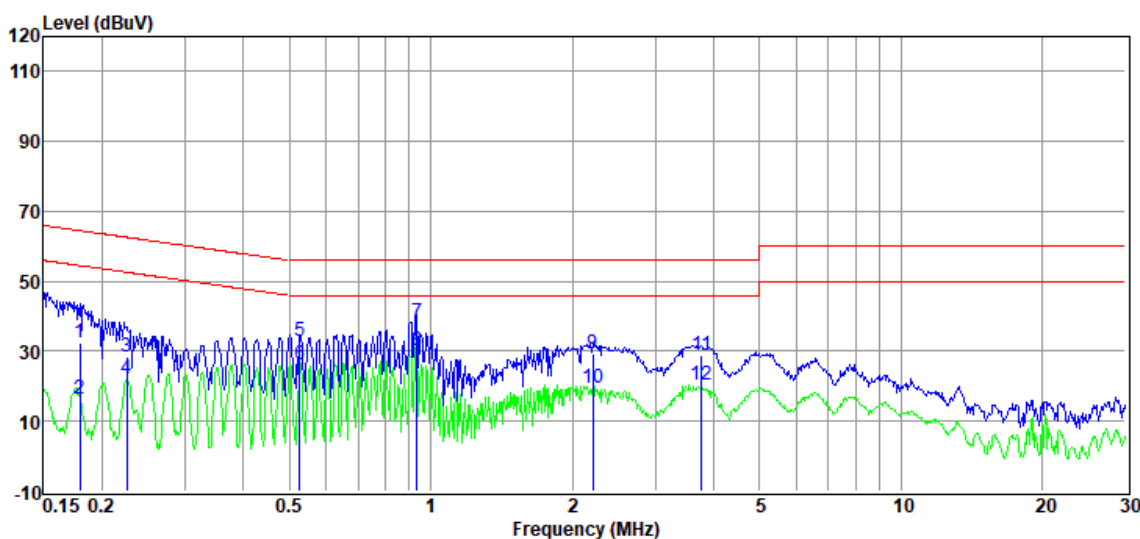
Test Mode : BLE2M mode

Condition : Temp:21.5°C,Humi:51.8%

LISN : 2023 ENV 216 3#/NEUTRAL

Memo : S24111120-001

Data: 4



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.18	12.34	9.83	0.11	9.94	32.22	64.50	-32.28	QP	NEUTRAL
2	0.18	-3.40	9.83	0.11	9.94	16.48	54.50	-38.02	Average	NEUTRAL
3	0.23	8.58	9.88	0.11	9.94	28.51	62.61	-34.10	QP	NEUTRAL
4	0.23	2.28	9.88	0.11	9.94	22.21	52.61	-30.40	Average	NEUTRAL
5	0.53	12.88	9.79	0.13	9.96	32.76	56.00	-23.24	QP	NEUTRAL
6	0.53	6.08	9.79	0.13	9.96	25.96	46.00	-20.04	Average	NEUTRAL
7	0.93	18.26	9.94	0.23	9.97	38.40	56.00	-17.60	QP	NEUTRAL
8	0.93	9.97	9.94	0.23	9.97	30.11	46.00	-15.89	Average	NEUTRAL
9	2.21	9.34	9.83	0.26	9.99	29.42	56.00	-26.58	QP	NEUTRAL
10	2.21	-0.41	9.83	0.26	9.99	19.67	46.00	-26.33	Average	NEUTRAL
11	3.76	8.94	9.52	0.27	10.01	28.74	56.00	-27.26	QP	NEUTRAL
12	3.76	0.38	9.52	0.27	10.01	20.18	46.00	-25.82	Average	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

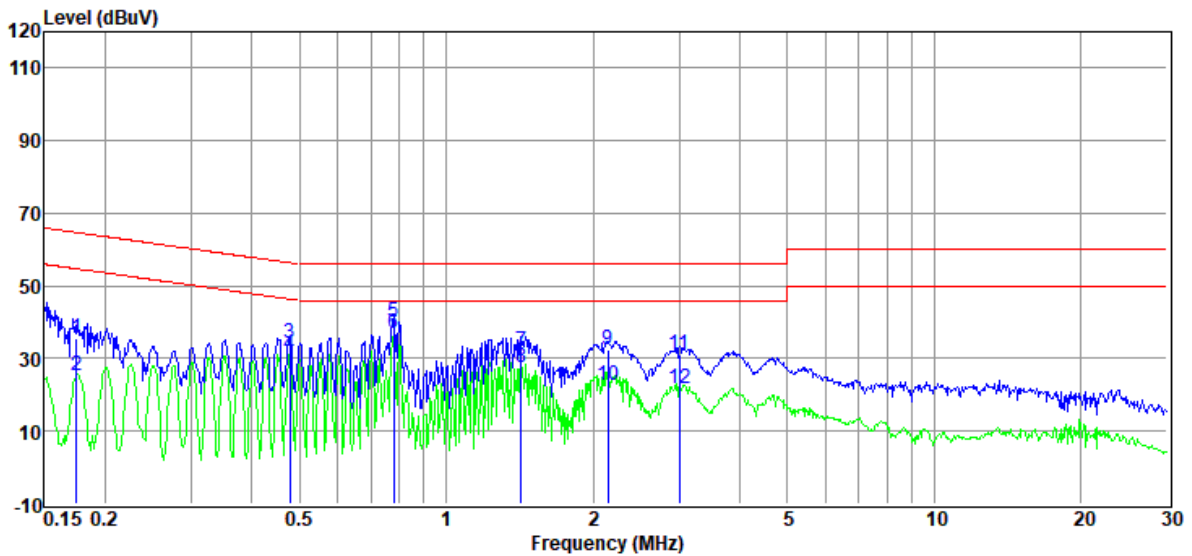
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room
Test Date : 2024-11-28
EUT : DC Motor
Power Supply : AC 120V/60Hz
Condition : Temp:21.5°C,Humi:51.8%
Memo : S24111120-005

D:\2024 Report Date\Q24111120-1E\FCC CE.EM6
Tested By : Genliu
Model Number : MHC-G2
Test Mode : BLE1M mode
LISN : 2023 ENV 216 3#/NEUTRAL

Data: 6



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.17	15.81	9.80	0.11	9.94	35.66	64.72	-29.06	QP	NEUTRAL
2	0.17	5.55	9.80	0.11	9.94	25.40	54.72	-29.32	Average	NEUTRAL
3	0.48	14.39	9.84	0.13	9.96	34.32	56.36	-22.04	QP	NEUTRAL
4	0.48	11.24	9.84	0.13	9.96	31.17	46.36	-15.19	Average	NEUTRAL
5	0.78	19.88	9.91	0.17	9.97	39.93	56.00	-16.07	QP	NEUTRAL
6	0.78	16.88	9.91	0.17	9.97	36.93	46.00	-9.07	Average	NEUTRAL
7	1.43	11.78	9.91	0.25	9.98	31.92	56.00	-24.08	QP	NEUTRAL
8	1.43	7.26	9.91	0.25	9.98	27.40	46.00	-18.60	Average	NEUTRAL
9	2.14	12.32	9.88	0.26	9.99	32.45	56.00	-23.55	QP	NEUTRAL
10	2.14	2.39	9.88	0.26	9.99	22.52	46.00	-23.48	Average	NEUTRAL
11	3.01	11.09	9.66	0.26	10.00	31.01	56.00	-24.99	QP	NEUTRAL
12	3.01	1.67	9.66	0.26	10.00	21.59	46.00	-24.41	Average	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room

Test Date : 2024-11-28

EUT : DC Motor

Power Supply : AC 120V/60Hz

Condition : Temp:21.5°C,Humi:51.8%

Memo : S24111120-005

D:\2024 Report Date\Q24111120-1E\FCC CE.EM6

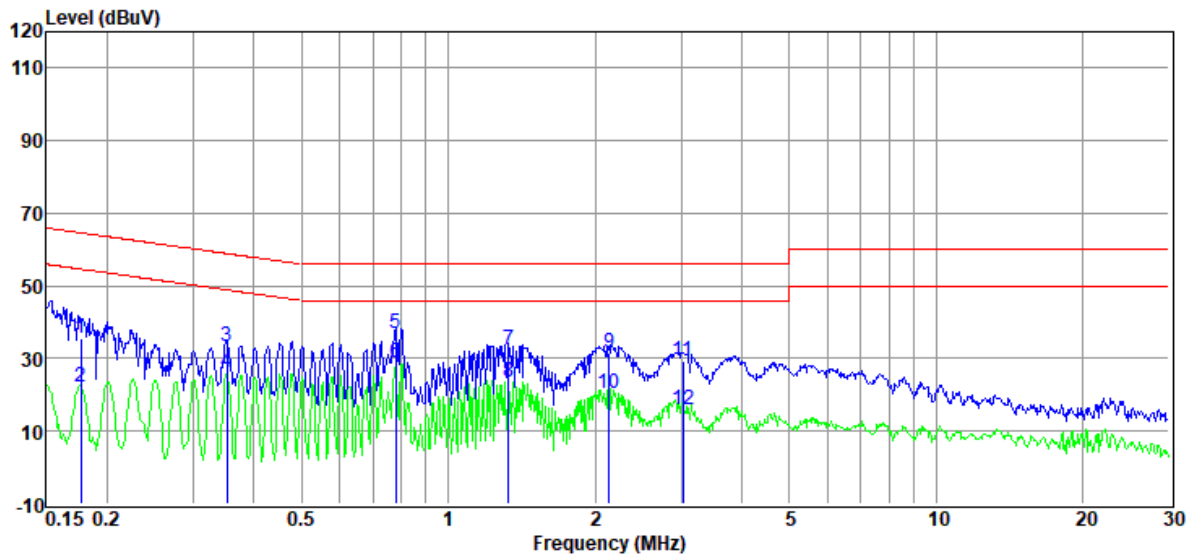
Tested By : Genliu

Model Number : MHC-G2

Test Mode : BLE1M mode

LISN : 2023 ENV 216 3#/LINE

Data: 8



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.18	15.87	9.59	0.11	9.94	35.51	64.64	-29.13	QP	LINE
2	0.18	2.52	9.59	0.11	9.94	22.16	54.64	-32.48	Average	LINE
3	0.35	13.39	9.79	0.12	9.95	33.25	58.91	-25.66	QP	LINE
4	0.35	6.13	9.79	0.12	9.95	25.99	48.91	-22.92	Average	LINE
5	0.78	16.85	9.94	0.17	9.97	36.93	56.00	-19.07	QP	LINE
6	0.78	8.76	9.94	0.17	9.97	28.84	46.00	-17.16	Average	LINE
7	1.33	12.77	9.45	0.25	9.98	32.45	56.00	-23.55	QP	LINE
8	1.33	3.91	9.45	0.25	9.98	23.59	46.00	-22.41	Average	LINE
9	2.13	11.36	9.82	0.26	9.99	31.43	56.00	-24.57	QP	LINE
10	2.13	0.29	9.82	0.26	9.99	20.36	46.00	-25.64	Average	LINE
11	3.03	9.49	9.59	0.26	10.00	29.34	56.00	-26.66	QP	LINE
12	3.03	-3.85	9.59	0.26	10.00	16.00	46.00	-30.00	Average	LINE

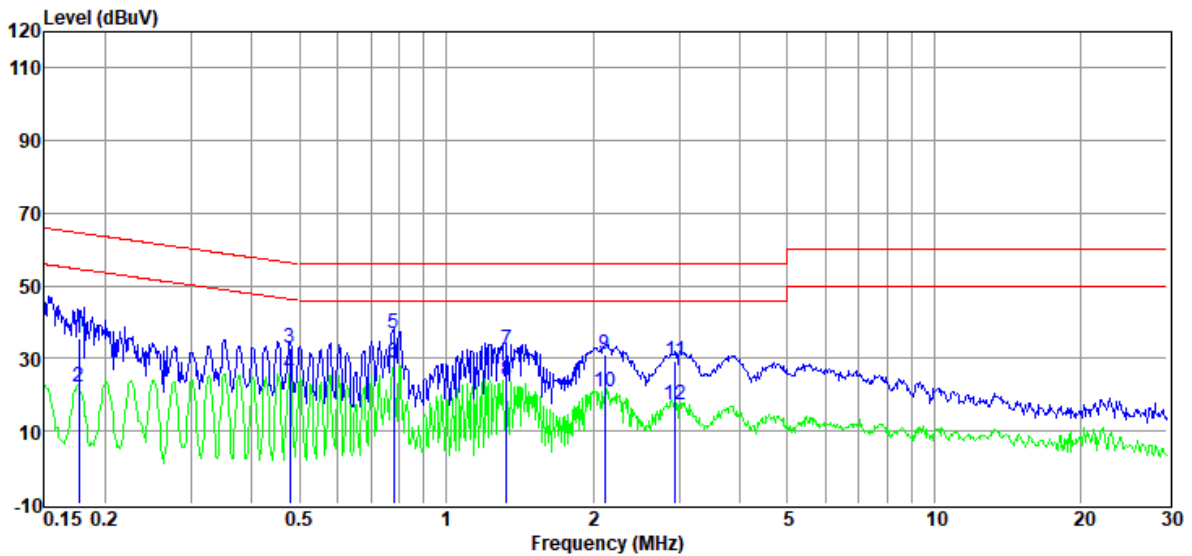
Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room
Test Date : 2024-11-28
EUT : DC Motor
Power Supply : AC 120V/60Hz
Condition : Temp:21.5°C,Humi:51.8%
Memo : S24111120-005

D:\2024 Report Date\Q24111120-1E\FCC CE.EM6
Tested By : Genliu
Model Number : MHC-G2
Test Mode : BLE2M mode
LISN : 2023 ENV 216 3#/LINE

Data: 10



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.18	15.78	9.59	0.11	9.94	35.42	64.64	-29.22	QP	LINE
2	0.18	2.58	9.59	0.11	9.94	22.22	54.64	-32.42	Average	LINE
3	0.48	13.03	9.69	0.13	9.96	32.81	56.36	-23.55	QP	LINE
4	0.48	5.94	9.69	0.13	9.96	25.72	46.36	-20.64	Average	LINE
5	0.78	16.87	9.94	0.17	9.97	36.95	56.00	-19.05	QP	LINE
6	0.78	8.74	9.94	0.17	9.97	28.82	46.00	-17.18	Average	LINE
7	1.33	12.71	9.45	0.25	9.98	32.39	56.00	-23.61	QP	LINE
8	1.33	4.16	9.45	0.25	9.98	23.84	46.00	-22.16	Average	LINE
9	2.11	11.16	9.83	0.26	9.99	31.24	56.00	-24.76	QP	LINE
10	2.11	0.87	9.83	0.26	9.99	20.95	46.00	-25.05	Average	LINE
11	2.95	9.45	9.59	0.26	10.00	29.30	56.00	-26.70	QP	LINE
12	2.95	-2.53	9.59	0.26	10.00	17.32	46.00	-28.68	Average	LINE

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

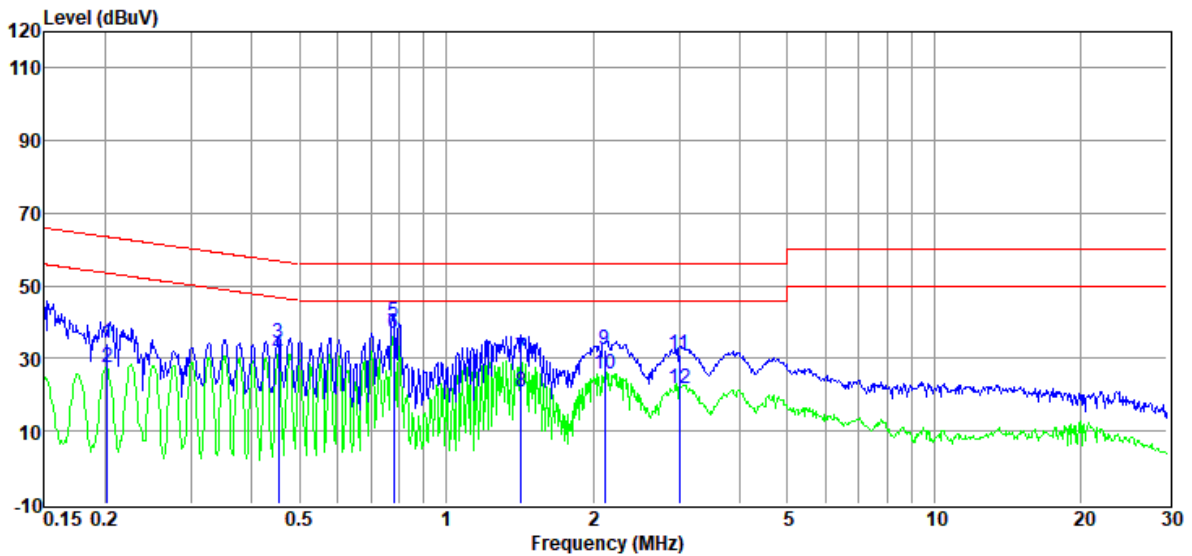
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room
Test Date : 2024-11-28
EUT : DC Motor
Power Supply : AC 120V/60Hz
Condition : Temp:21.5°C,Humi:51.8%
Memo : S24111120-005

D:\2024 Report Date\Q24111120-1E\FCC CE.EM6
Tested By : Genliu
Model Number : MHC-G2
Test Mode : BLE2M mode
LISN : 2023 ENV 216 3#/NEUTRAL

Data: 12



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.20	14.45	9.95	0.11	9.94	34.45	63.54	-29.09	QP	NEUTRAL
2	0.20	7.45	9.95	0.11	9.94	27.45	53.54	-26.09	Average	NEUTRAL
3	0.45	14.20	9.88	0.13	9.96	34.17	56.80	-22.63	QP	NEUTRAL
4	0.45	10.97	9.88	0.13	9.96	30.94	46.80	-15.86	Average	NEUTRAL
5	0.78	19.90	9.91	0.17	9.97	39.95	56.00	-16.05	QP	NEUTRAL
6	0.78	16.96	9.91	0.17	9.97	37.01	46.00	-8.99	Average	NEUTRAL
7	1.43	10.25	9.91	0.25	9.98	30.39	56.00	-25.61	QP	NEUTRAL
8	1.43	0.53	9.91	0.25	9.98	20.67	46.00	-25.33	Average	NEUTRAL
9	2.11	12.37	9.90	0.26	9.99	32.52	56.00	-23.48	QP	NEUTRAL
10	2.11	5.75	9.90	0.26	9.99	25.90	46.00	-20.10	Average	NEUTRAL
11	3.01	11.04	9.66	0.26	10.00	30.96	56.00	-25.04	QP	NEUTRAL
12	3.01	1.67	9.66	0.26	10.00	21.59	46.00	-24.41	Average	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

16. Photos of the EUT

Please refer to DDT-Q24111120-2E appendix I

-----End Report-----