

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

(8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.

12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-19

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

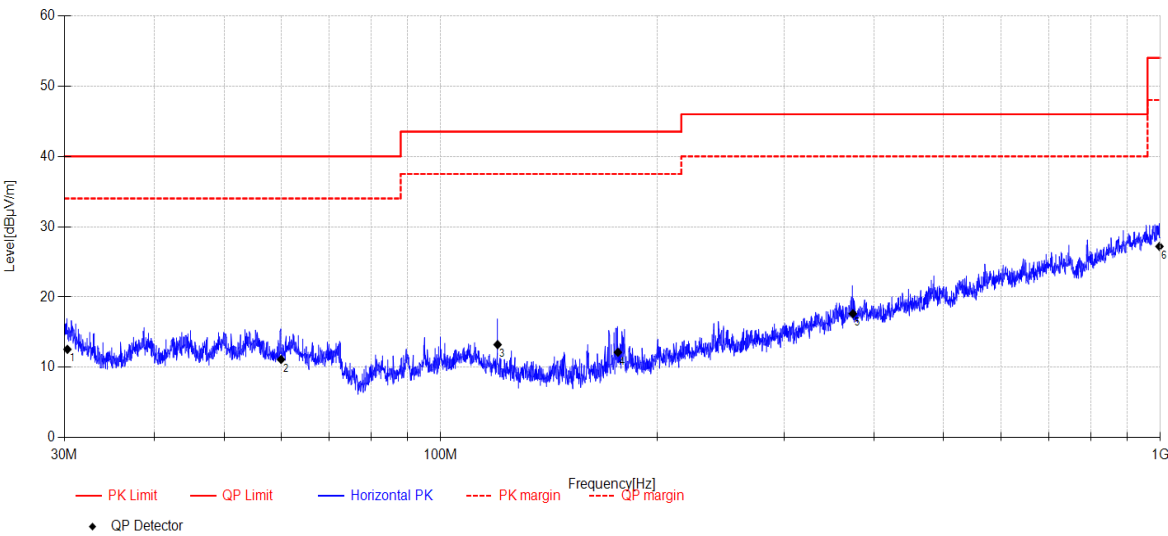
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24040121-1E\FCC BEIOW 1G\20240419-194954_H

Memo:

Sample Number:S24032202-005 Power Setting:Deafult



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.296	28.77	10.33	4.47	-31.00	12.57	40.00	27.43	QP	Horizontal
2	60.019	24.21	12.79	4.76	-30.63	11.13	40.00	28.87	QP	Horizontal
3	119.991	28.91	10.00	5.17	-30.84	13.24	43.50	30.26	QP	Horizontal
4	176.330	27.51	9.77	5.54	-30.67	12.15	43.50	31.35	QP	Horizontal
5	373.909	25.74	15.49	6.56	-30.15	17.64	46.00	28.36	QP	Horizontal
6	997.199	24.49	22.16	8.68	-28.13	27.20	54.00	26.80	QP	Horizontal

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:

2024-04-19

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

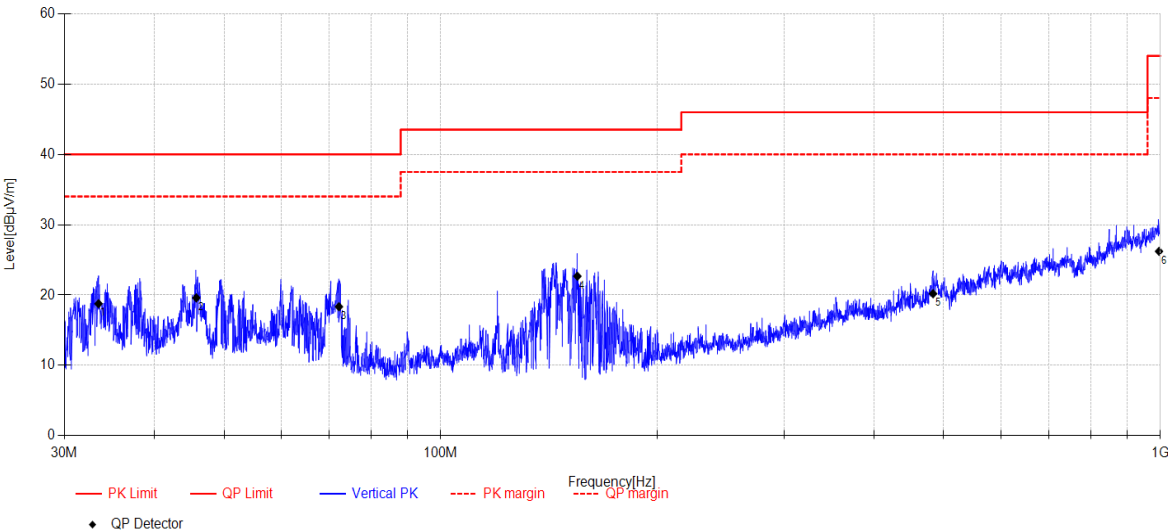
DDT 3# Chamber

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Memo:

Sample Number:S24032202-005 Power Setting:Deafult



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	33.468	34	11.20	4.52	-30.95	18.77	40.00	21.23	QP	Vertical
2	45.755	33.17	12.52	4.67	-30.76	19.60	40.00	20.40	QP	Vertical
3	72.223	34.59	9.51	4.80	-30.55	18.35	40.00	21.65	QP	Vertical
4	154.878	38.97	9.09	5.36	-30.74	22.68	43.50	20.82	QP	Vertical
5	483.301	26.74	16.50	6.89	-29.93	20.20	46.00	25.80	QP	Vertical
6	995.802	23.24	22.44	8.68	-28.14	26.22	54.00	27.78	QP	Vertical

Note:

- Result Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

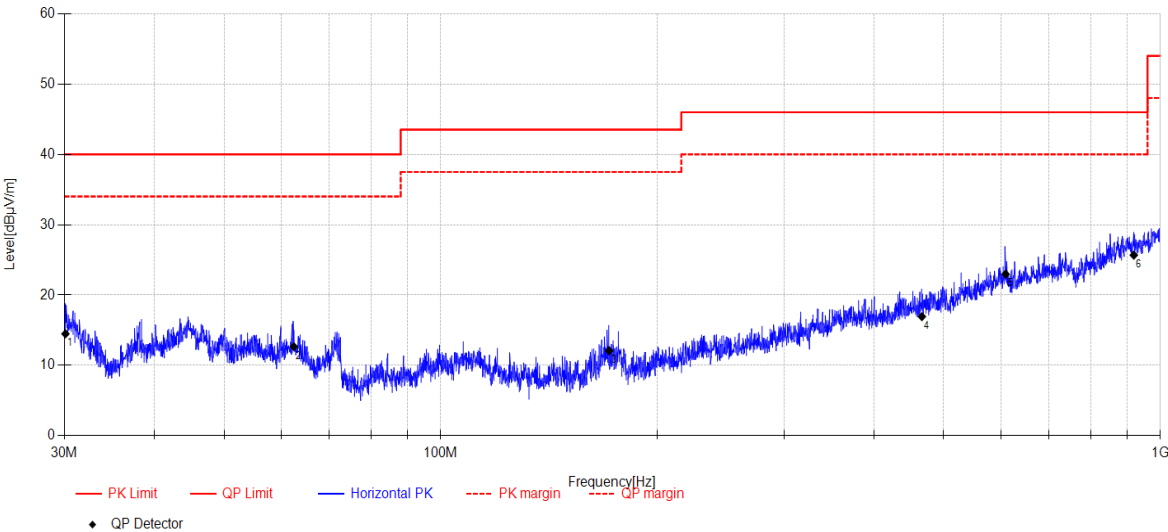
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S24032202-005 Power Setting:Deafult



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	30.105	30.71	10.31	4.47	-31.00	14.49	40.00	25.51	QP	Horizontal
2	62.510	25.92	12.60	4.77	-30.62	12.67	40.00	27.33	QP	Horizontal
3	171.453	27.86	9.42	5.50	-30.69	12.09	43.50	31.41	QP	Horizontal
4	466.324	24.19	15.87	6.85	-29.97	16.94	46.00	29.06	QP	Horizontal
5	609.554	26.14	19.36	7.37	-29.90	22.97	46.00	23.03	QP	Horizontal
6	918.658	24.41	21.69	8.41	-28.83	25.68	46.00	20.32	QP	Horizontal

Note:

- Result Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

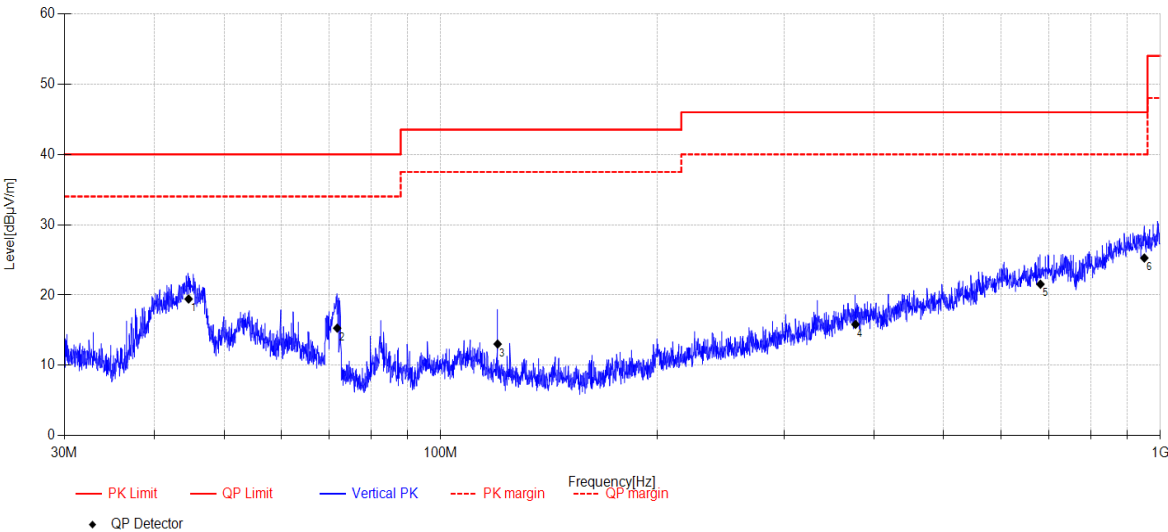
DDT 3# Chamber

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Memo:

Sample Number:S24032202-005 Power Setting:Deafult



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	44.646	32.43	13.13	4.66	-30.78	19.44	40.00	20.56	QP	Vertical
2	71.819	31.47	9.58	4.80	-30.55	15.30	40.00	24.70	QP	Vertical
3	119.991	28.71	10.00	5.17	-30.84	13.04	43.50	30.46	QP	Vertical
4	377.068	23.97	15.44	6.57	-30.15	15.83	46.00	30.17	QP	Vertical
5	681.444	24.5	19.27	7.68	-29.90	21.55	46.00	24.45	QP	Vertical
6	950.102	22.62	22.68	8.52	-28.55	25.27	46.00	20.73	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:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2402MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

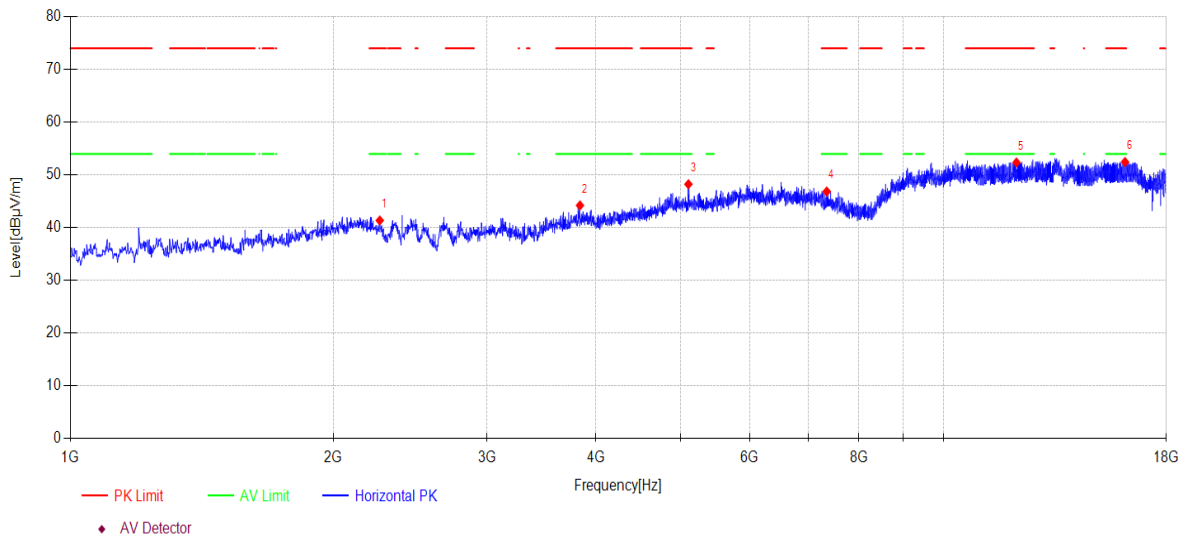
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d:\ts\2024 report data\Q24032202-1E\FCC ABOVE 1G\1

Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2261.400	45.99	27.19	5.95	-37.75	41.38	74.00	32.62	PK	Horizontal
2	3833.900	47.93	30.84	5.81	-40.35	44.23	74.00	29.77	PK	Horizontal
3	5103.800	46.90	33.40	8.02	-40.07	48.25	74.00	25.75	PK	Horizontal
4	7351.200	44.03	36.80	7.63	-41.58	46.88	74.00	27.12	PK	Horizontal
5	12123.100	42.14	39.30	10.54	-39.61	52.37	74.00	21.63	PK	Horizontal
6	16141.900	38.75	37.86	15.32	-39.47	52.46	74.00	21.54	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:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2402MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

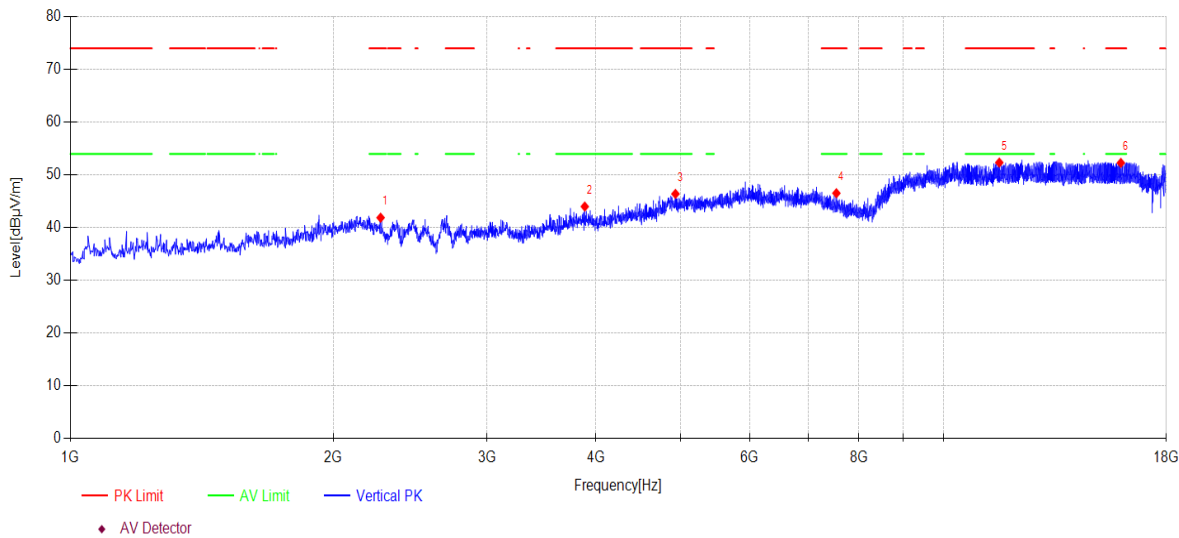
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2266.500	46.58	27.14	5.95	-37.76	41.91	74.00	32.09	PK	Vertical
2	3883.200	47.48	31.10	5.82	-40.38	44.02	74.00	29.98	PK	Vertical
3	4932.100	45.74	33.06	7.73	-40.11	46.42	74.00	27.58	PK	Vertical
4	7539.900	44.53	36.42	7.65	-42.05	46.55	74.00	27.45	PK	Vertical
5	11585.900	42.52	39.03	10.17	-39.37	52.35	74.00	21.65	PK	Vertical
6	15965.100	37.88	38.03	15.72	-39.34	52.29	74.00	21.71	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2440MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

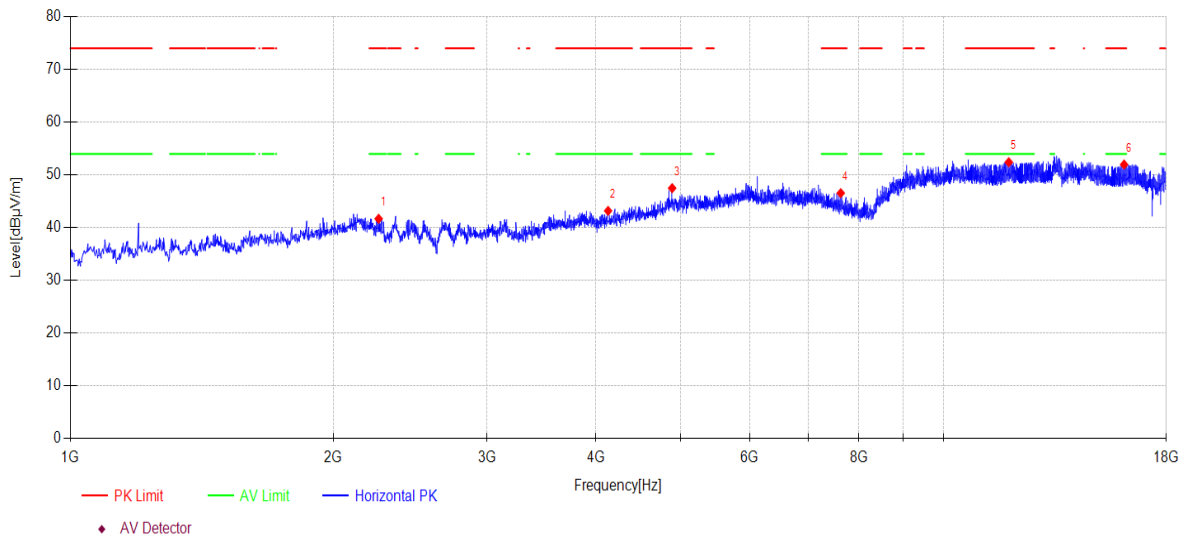
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2254.600	46.22	27.25	5.96	-37.73	41.70	74.00	32.30	PK	Horizontal
2	4129.700	46.33	31.16	6.11	-40.40	43.20	74.00	30.80	PK	Horizontal
3	4889.600	46.80	33.17	7.65	-40.12	47.50	74.00	26.50	PK	Horizontal
4	7626.600	44.63	36.55	7.65	-42.27	46.56	74.00	27.44	PK	Horizontal
5	11880.000	42.59	38.90	10.43	-39.50	52.42	74.00	21.58	PK	Horizontal
6	16104.500	38.05	37.90	15.47	-39.44	51.98	74.00	22.02	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:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2440MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

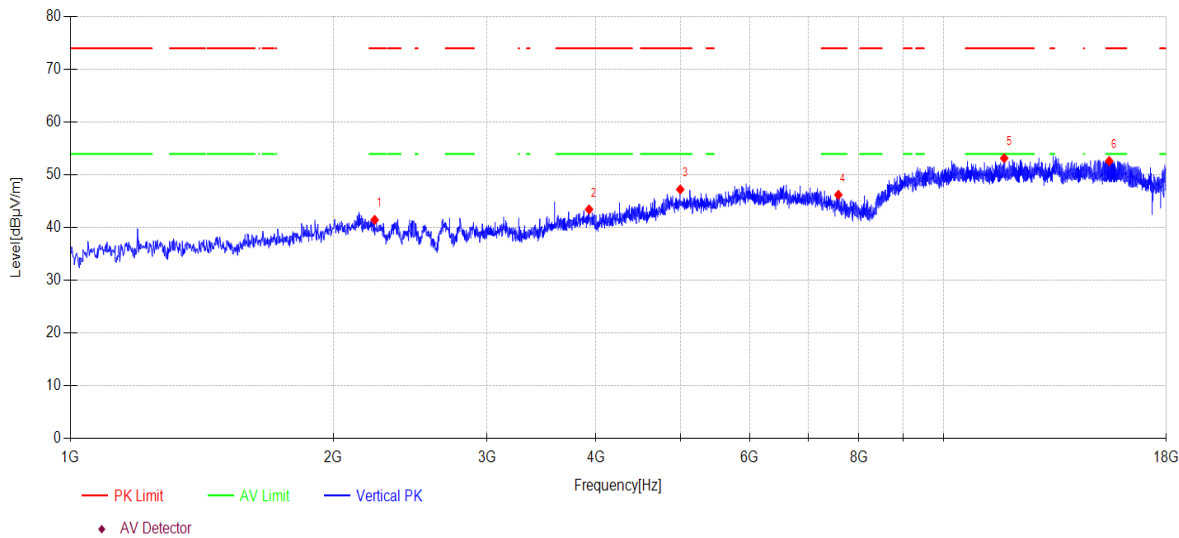
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2230.800	45.69	27.49	5.97	-37.66	41.49	74.00	32.51	PK	Vertical
2	3927.400	46.91	31.15	5.83	-40.41	43.48	74.00	30.52	PK	Vertical
3	4995.000	46.29	33.19	7.86	-40.08	47.26	74.00	26.74	PK	Vertical
4	7579.000	44.27	36.46	7.65	-42.15	46.23	74.00	27.77	PK	Vertical
5	11737.200	43.34	38.96	10.31	-39.44	53.17	74.00	20.83	PK	Vertical
6	15482.300	39.32	38.84	13.53	-39.05	52.64	74.00	21.36	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:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2480MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

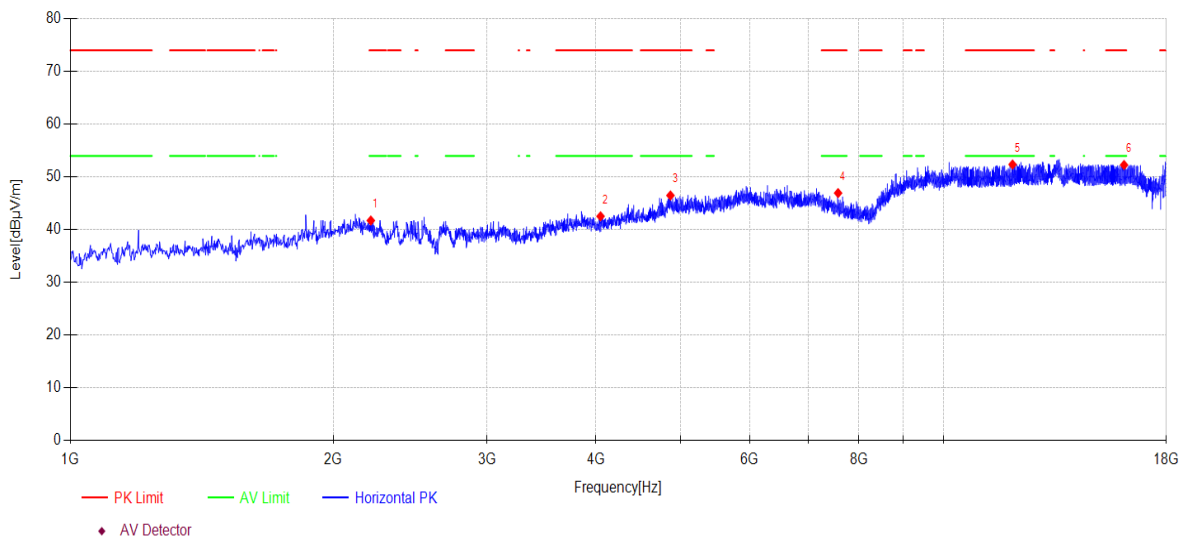
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2208.700	45.66	27.71	5.98	-37.60	41.75	74.00	32.25	PK	Horizontal
2	4048.100	46.03	31.00	5.95	-40.43	42.55	74.00	31.45	PK	Horizontal
3	4867.500	45.51	33.52	7.60	-40.13	46.50	74.00	27.50	PK	Horizontal
4	7573.900	44.98	36.45	7.65	-42.13	46.95	74.00	27.05	PK	Horizontal
5	11999.000	42.19	39.20	10.54	-39.56	52.37	74.00	21.63	PK	Horizontal
6	16101.100	38.33	37.90	15.48	-39.44	52.27	74.00	21.73	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:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2480MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

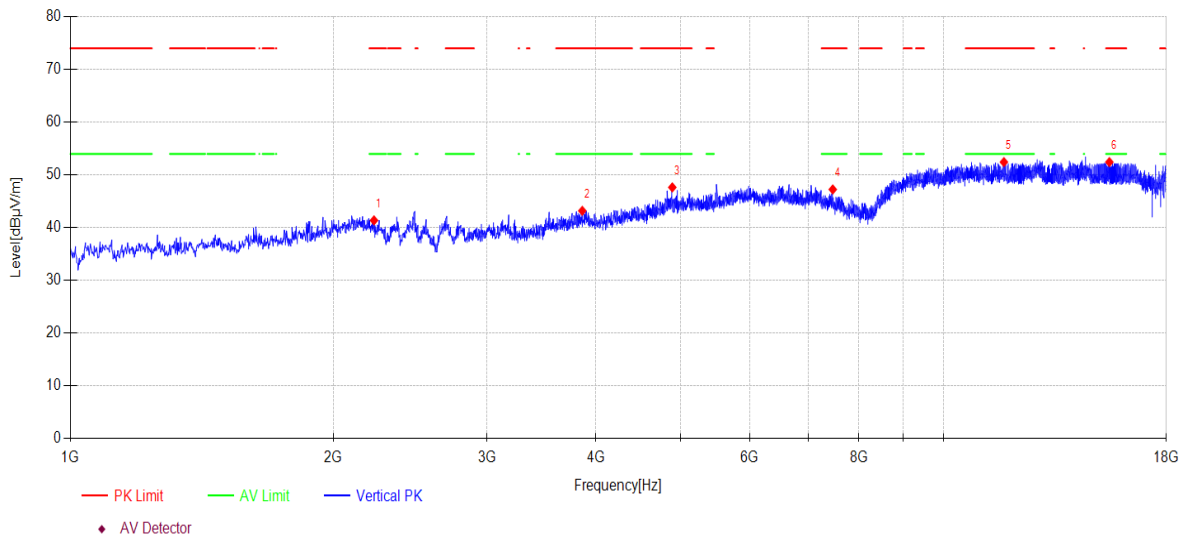
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2227.400	45.55	27.53	5.97	-37.65	41.40	74.00	32.60	PK	Vertical
2	3857.700	46.80	30.95	5.82	-40.36	43.21	74.00	30.79	PK	Vertical
3	4891.300	46.98	33.14	7.65	-40.12	47.65	74.00	26.35	PK	Vertical
4	7468.500	44.93	36.56	7.64	-41.87	47.26	74.00	26.74	PK	Vertical
5	11728.700	42.61	38.97	10.30	-39.43	52.45	74.00	21.55	PK	Vertical
6	15489.100	39.10	38.82	13.57	-39.05	52.44	74.00	21.56	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:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2404MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

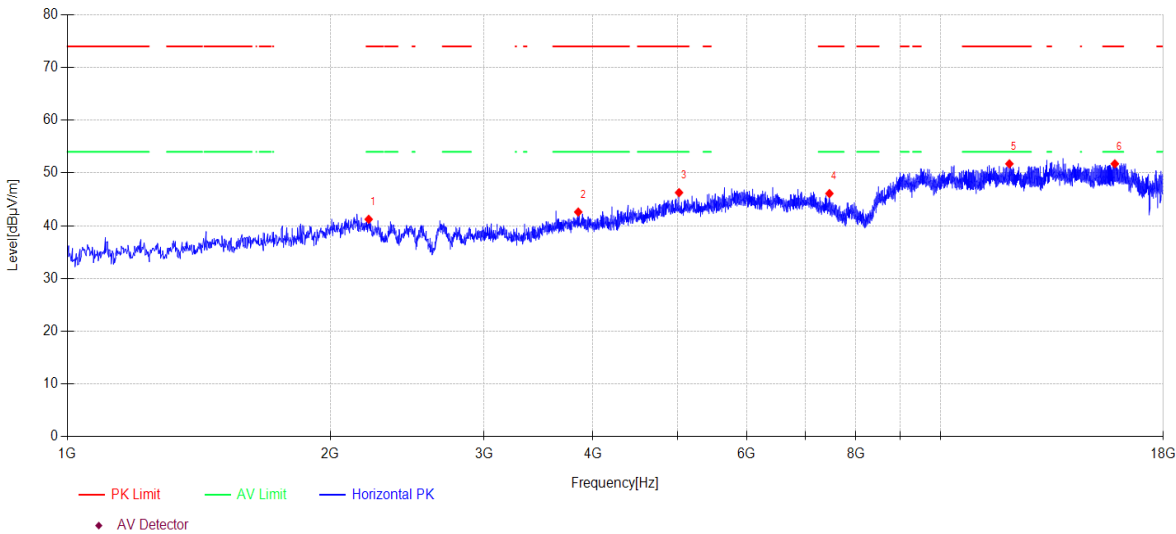
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2213.800	45.20	27.66	5.98	-37.62	41.22	74.00	32.78	PK	Horizontal
2	3847.500	46.25	30.89	5.82	-40.36	42.60	74.00	31.40	PK	Horizontal
3	5018.800	45.22	33.24	7.90	-40.08	46.28	74.00	27.72	PK	Horizontal
4	7461.700	43.73	36.58	7.64	-41.85	46.10	74.00	27.90	PK	Horizontal
5	11993.900	41.58	39.18	10.53	-39.56	51.73	74.00	22.27	PK	Horizontal
6	15837.600	37.63	38.22	15.14	-39.26	51.73	74.00	22.27	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:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2404MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

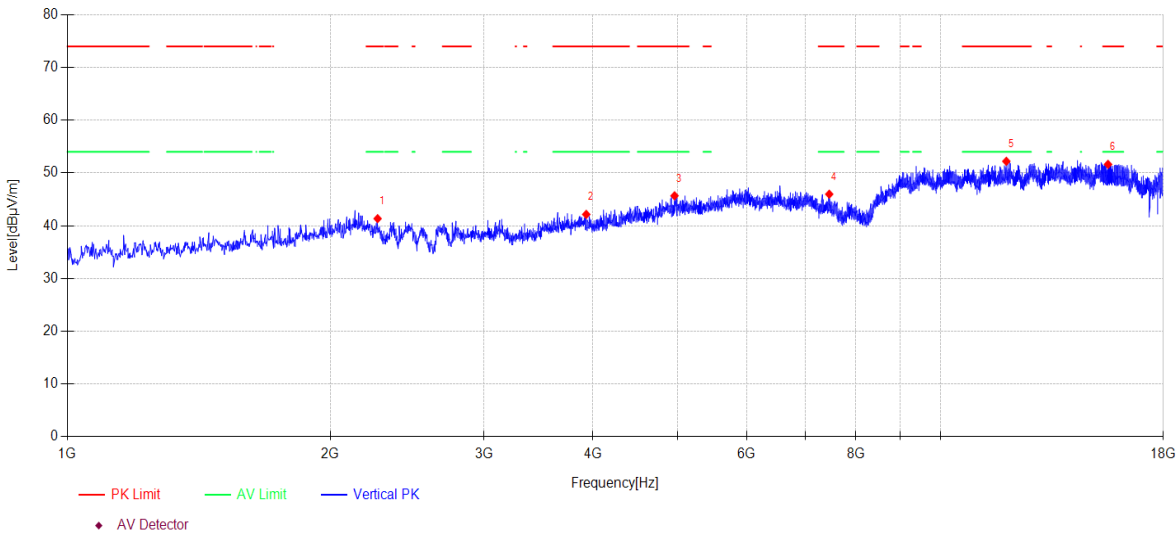
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2266.500	46.02	27.14	5.95	-37.76	41.35	74.00	32.65	PK	Vertical
2	3929.100	45.59	31.14	5.83	-40.41	42.15	74.00	31.85	PK	Vertical
3	4959.300	44.87	33.12	7.79	-40.10	45.68	74.00	28.32	PK	Vertical
4	7458.300	43.61	36.58	7.64	-41.85	45.98	74.00	28.02	PK	Vertical
5	11897.000	42.37	38.90	10.45	-39.51	52.21	74.00	21.79	PK	Vertical
6	15557.100	38.16	38.69	13.87	-39.09	51.63	74.00	22.37	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:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2440MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

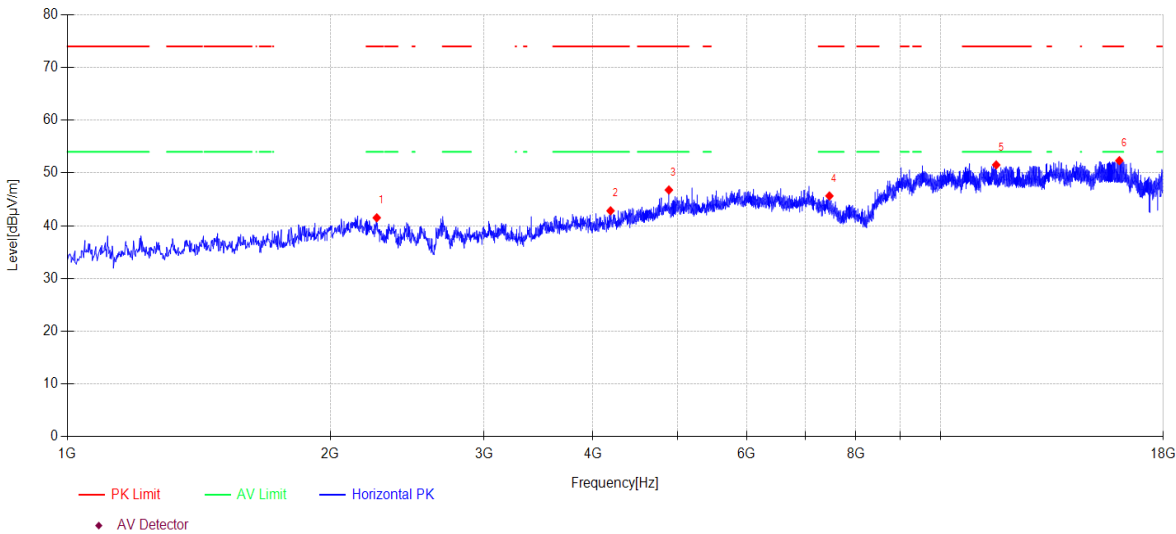
File Path:

d:\ts\2024 report data\Q24032202-1E\FCC ABOVE 1G\51

Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2261.400	46.12	27.19	5.95	-37.75	41.51	74.00	32.49	PK	Horizontal
2	4189.200	45.78	31.20	6.23	-40.38	42.83	74.00	31.17	PK	Horizontal
3	4886.200	46.03	33.22	7.64	-40.12	46.77	74.00	27.23	PK	Horizontal
4	7461.700	43.28	36.58	7.64	-41.85	45.65	74.00	28.35	PK	Horizontal
5	11584.200	41.69	39.03	10.17	-39.36	51.53	74.00	22.47	PK	Horizontal
6	16028.000	37.97	37.97	15.77	-39.38	52.33	74.00	21.67	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:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2440MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

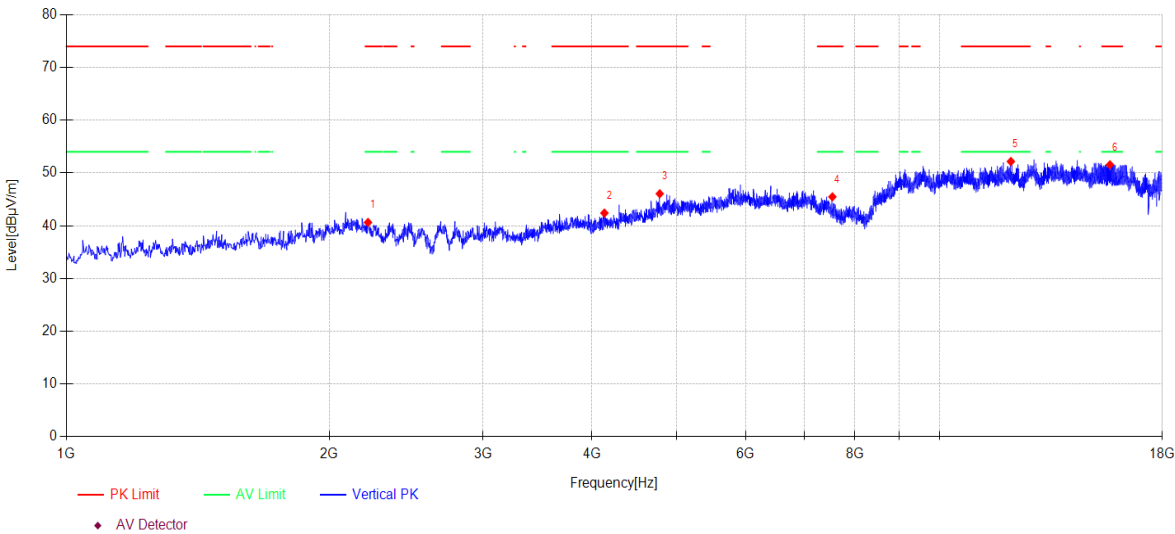
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2215.500	44.62	27.65	5.98	-37.62	40.63	74.00	33.37	PK	Vertical
2	4133.100	45.51	31.17	6.12	-40.40	42.40	74.00	31.60	PK	Vertical
3	4782.500	46.36	32.43	7.43	-40.16	46.06	74.00	27.94	PK	Vertical
4	7539.900	43.46	36.42	7.65	-42.05	45.48	74.00	28.52	PK	Vertical
5	12072.100	41.96	39.27	10.54	-39.59	52.18	74.00	21.82	PK	Vertical
6	15676.100	37.80	38.52	14.41	-39.17	51.56	74.00	22.44	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2478MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

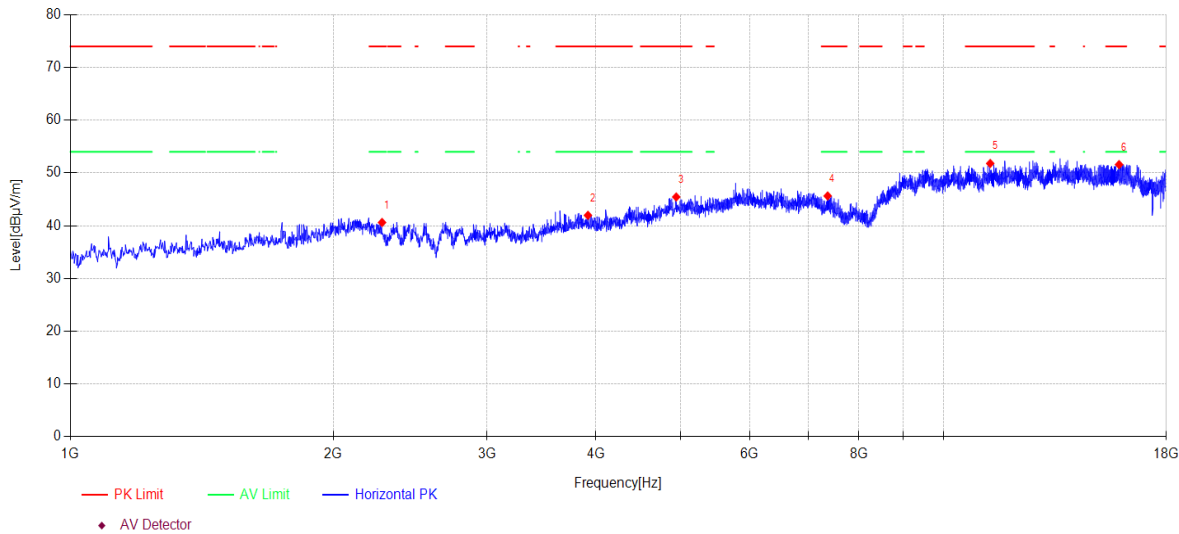
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2275.000	45.41	27.05	5.95	-37.79	40.62	74.00	33.38	PK	Horizontal
2	3915.500	45.37	31.17	5.83	-40.40	41.97	74.00	32.03	PK	Horizontal
3	4942.300	44.72	33.08	7.75	-40.10	45.45	74.00	28.55	PK	Horizontal
4	7368.200	42.87	36.76	7.64	-41.62	45.65	74.00	28.35	PK	Horizontal
5	11312.200	41.90	39.21	9.93	-39.24	51.80	74.00	22.20	PK	Horizontal
6	15890.300	37.38	38.12	15.38	-39.29	51.59	74.00	22.41	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:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2478MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

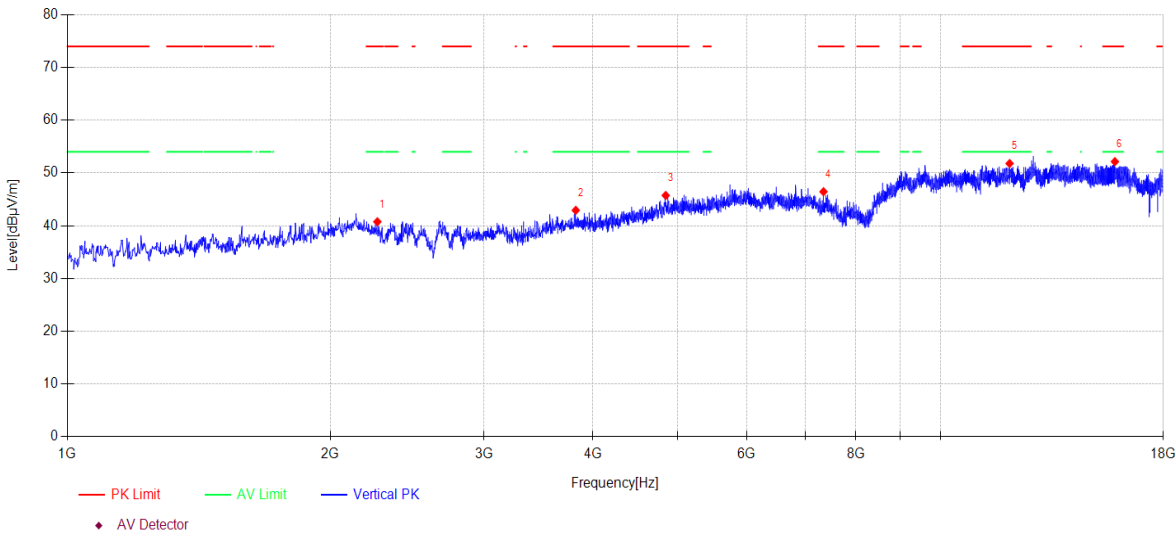
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2264.800	45.41	27.15	5.95	-37.76	40.75	74.00	33.25	PK	Vertical
2	3822.000	46.66	30.79	5.81	-40.34	42.92	74.00	31.08	PK	Vertical
3	4845.400	44.64	33.68	7.56	-40.14	45.74	74.00	28.26	PK	Vertical
4	7346.100	43.58	36.81	7.63	-41.57	46.45	74.00	27.55	PK	Vertical
5	12000.700	41.61	39.20	10.54	-39.56	51.79	74.00	22.21	PK	Vertical
6	15841.000	38.03	38.22	15.16	-39.26	52.15	74.00	21.85	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.

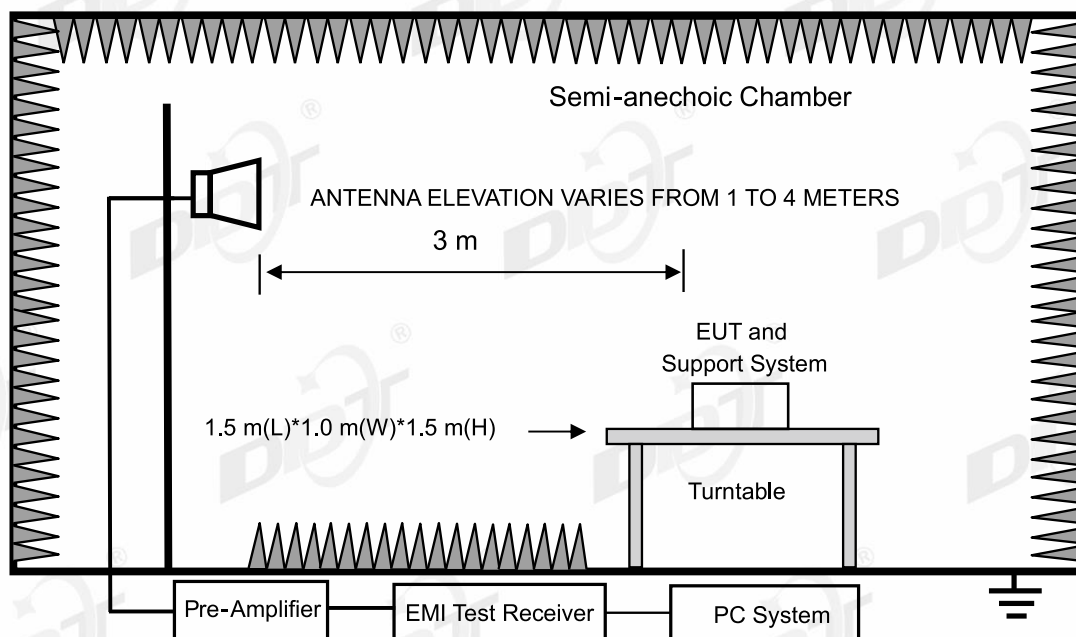
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13.Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/10
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2024/04/25
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2024/05/14
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2024/04/22
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2024/05/14
High Pass filter	XIANXINGBO	XBLBQ-GTA67	DDT-ZC02179	2024/05/14
Hochgewinn-Hornantenne	Schwarzbeck Mess-Elektronik	BBHA 9120 D	DDT-ZC02129	2025/09/17
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2024/04/22
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2024/04/22
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2024/04/20
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2024/04/22
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2024/04/20
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2024/04/26
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2024/04/20
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/

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
Laptop	Lenovo	Ryzen 5PRO 3500U	00425-00000-00002-AA191	/

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:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2480MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

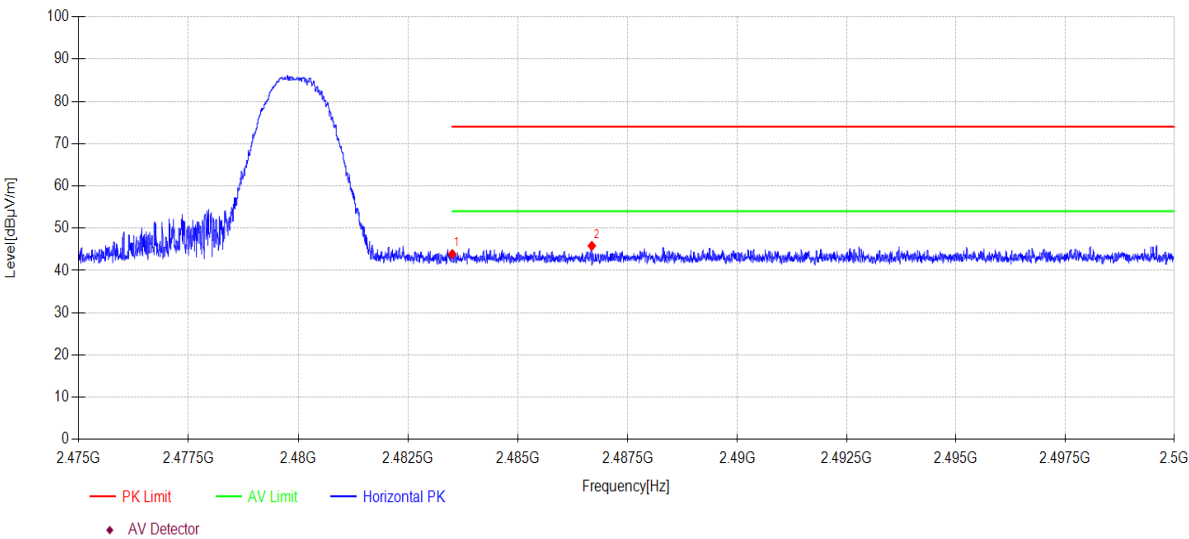
File Path:

d:\ts\2024 report data\Q24032202-1E\FCC ABOVE 1G\7

Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	12.41	27.53	3.94	0.00	43.88	74.00	30.12	PK	Horizontal
2	2486.683	14.33	27.55	3.94	0.00	45.82	74.00	28.18	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:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2480MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

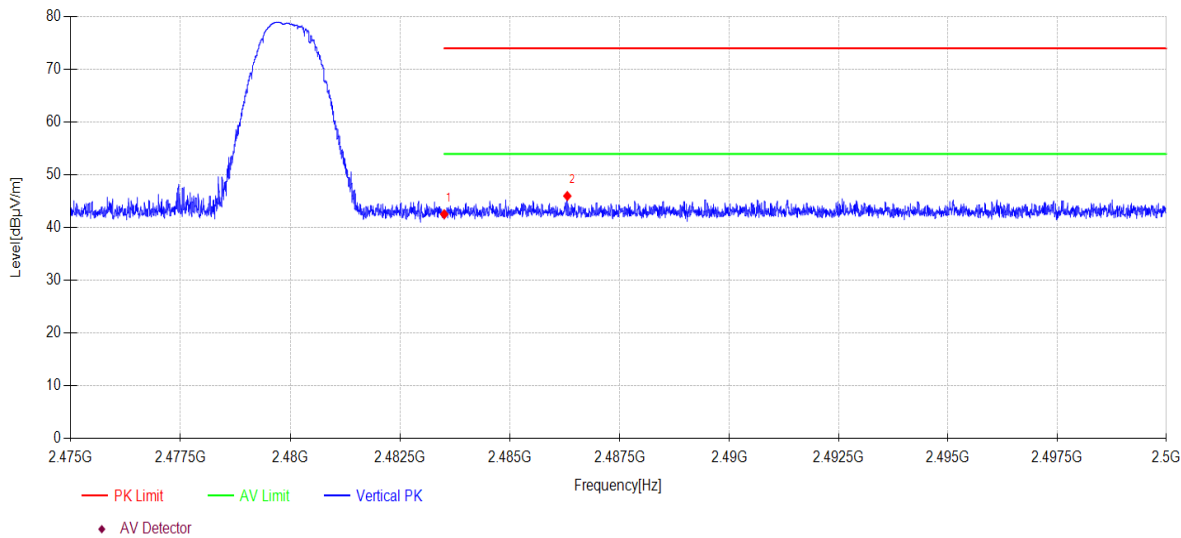
File Path:

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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	11.09	27.53	3.94	0.00	42.56	74.00	31.44	PK	Vertical
2	2486.305	14.53	27.55	3.94	0.00	46.02	74.00	27.98	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:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2402MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

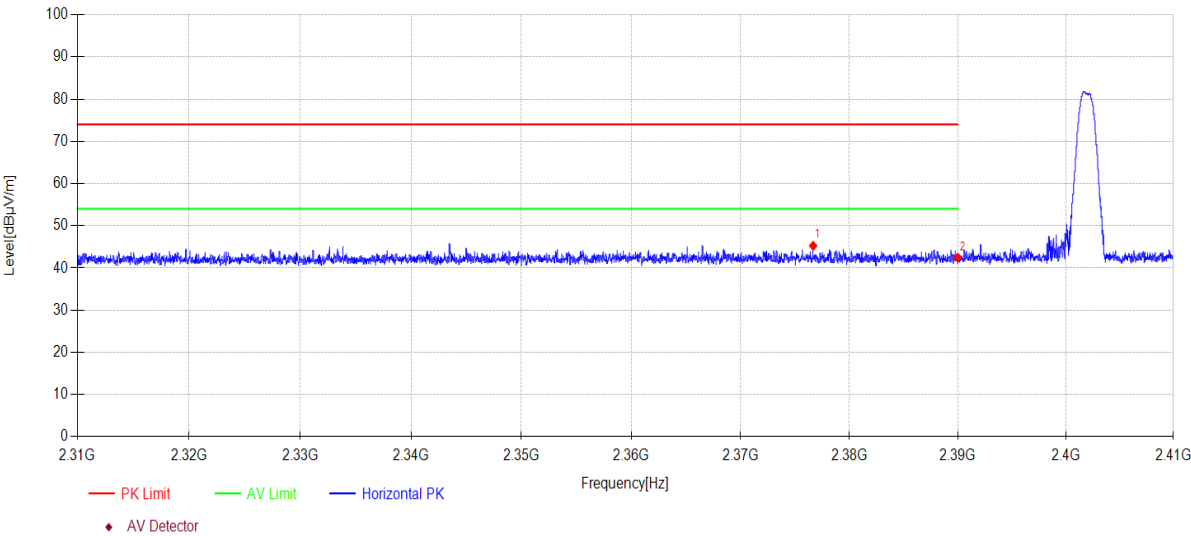
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2376.670	14.18	27.21	3.86	0.00	45.25	74.00	28.75	PK	Horizontal
2	2390.000	11.30	27.26	3.87	0.00	42.43	74.00	31.57	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:

2024-04-12

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE1M TX 2402MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

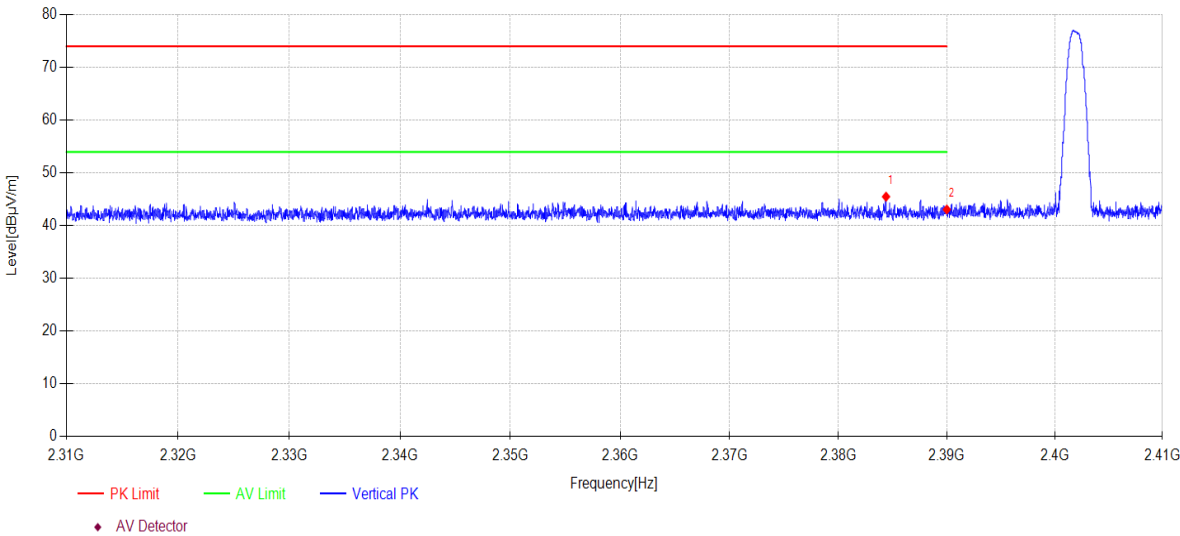
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d:\ts\2024 report data\Q24032202-1E\FCC ABOVE 1G\10

Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2384.390	14.41	27.24	3.86	0.00	45.51	74.00	28.49	PK	Vertical
2	2390.000	11.94	27.26	3.87	0.00	43.07	74.00	30.93	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:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2478MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

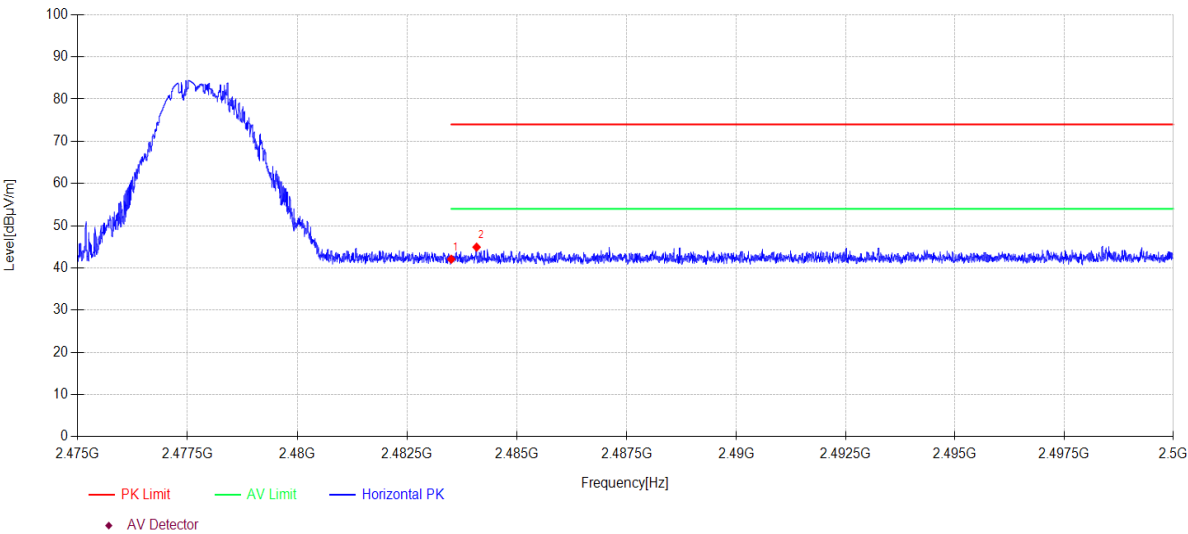
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	10.60	27.53	3.94	0.00	42.07	74.00	31.93	PK	Horizontal
2	2484.078	13.44	27.54	3.94	0.00	44.92	74.00	29.08	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:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2478MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

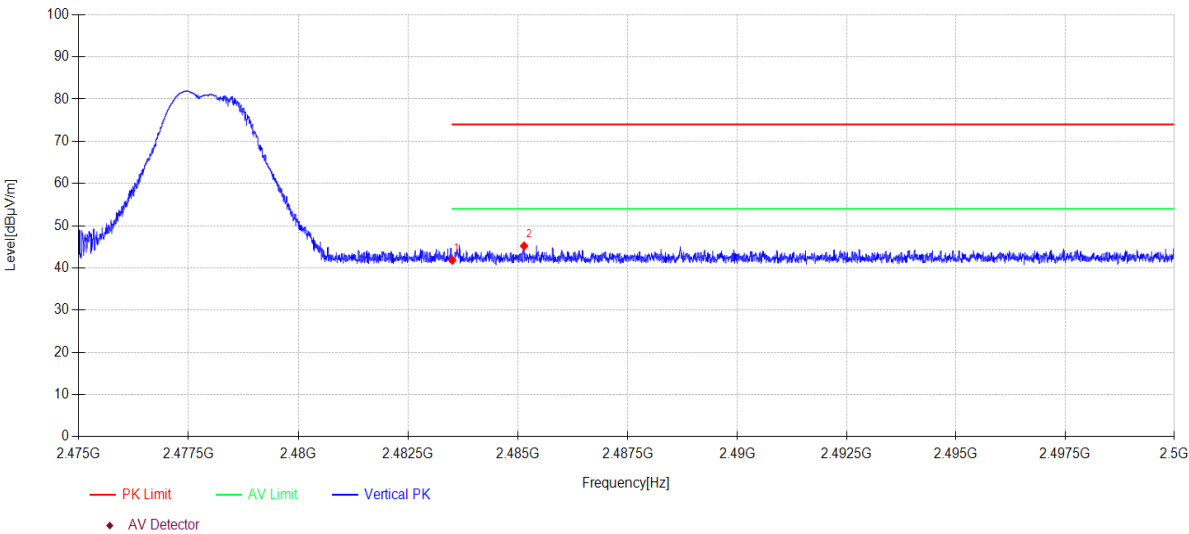
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	10.38	27.53	3.94	0.00	41.85	74.00	32.15	PK	Vertical
2	2485.138	13.73	27.54	3.94	0.00	45.21	74.00	28.79	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:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2404MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

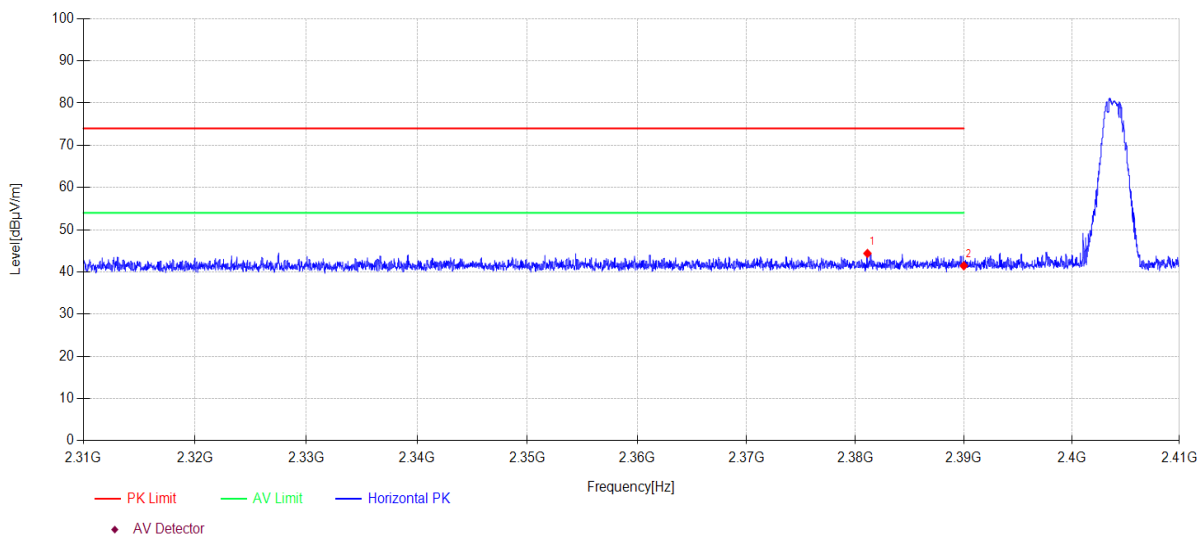
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2381.110	13.30	27.22	3.86	0.00	44.38	74.00	29.62	PK	Horizontal
2	2390.000	10.32	27.26	3.87	0.00	41.45	74.00	32.55	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:

2024-04-23

Tested By:

Junchang Du

EUT:

Remote controller (for multimedia speaker)

Model Number:

EDF100076

Test Mode:

BLE2M TX 2404MHz

Power Supply:

120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

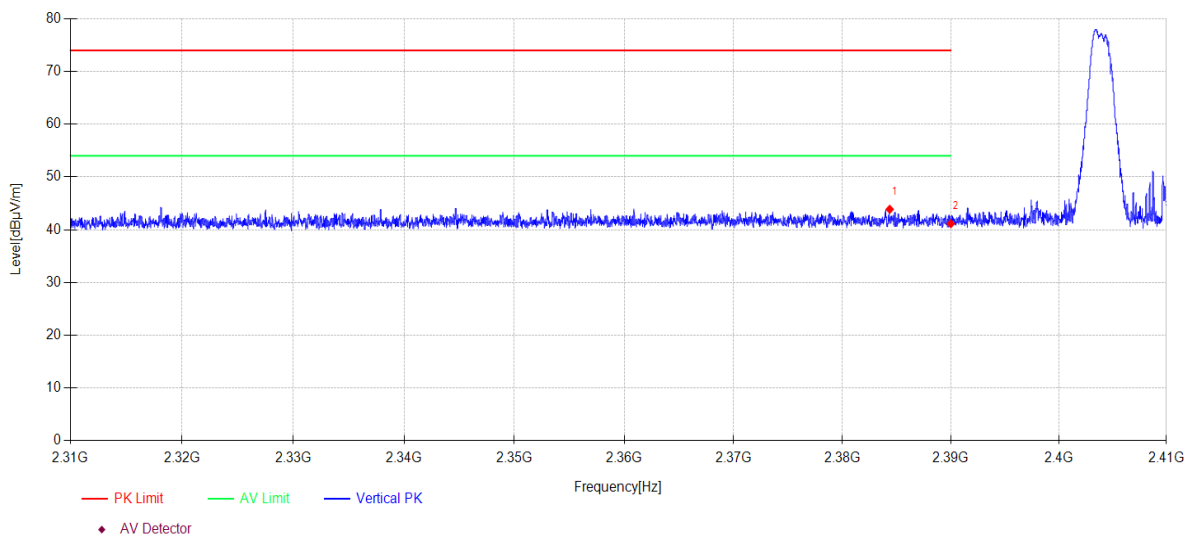
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Memo:

Sample Number:S24032202-004 Power Setting:Deafult

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	2384.360	12.77	27.24	3.86	0.00	43.87	74.00	30.13	PK	Vertical
2	2390.000	10.01	27.26	3.87	0.00	41.14	74.00	32.86	PK	Vertical

Note:

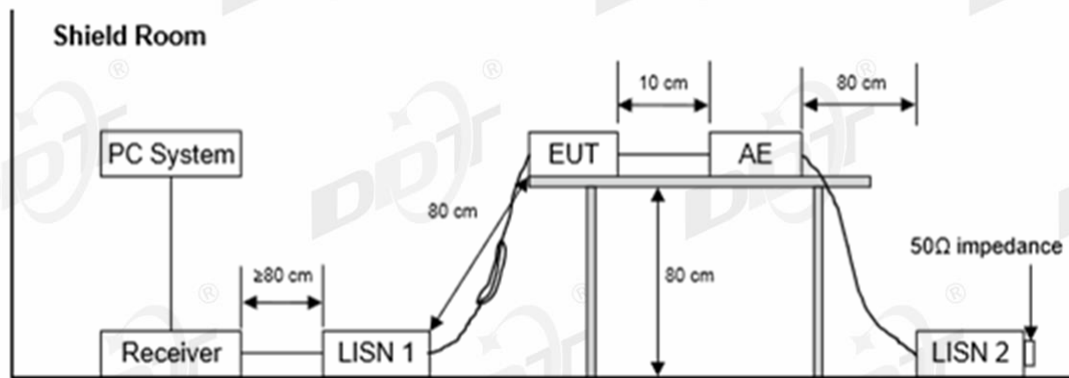
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Software	Audix/TW	e3	DDT-ZC01252	/
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2024/07/10
EMI Test Receiver	R&S	ESCI	DDT-ZC00235	2024/07/10
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2024/07/11
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2024/07/14
Pulse Limiter	SCHWARZBEC K	ESH3-Z2	DDT-ZC00539	2024/07/14

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(mV)	Average Level dB(mV)
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.

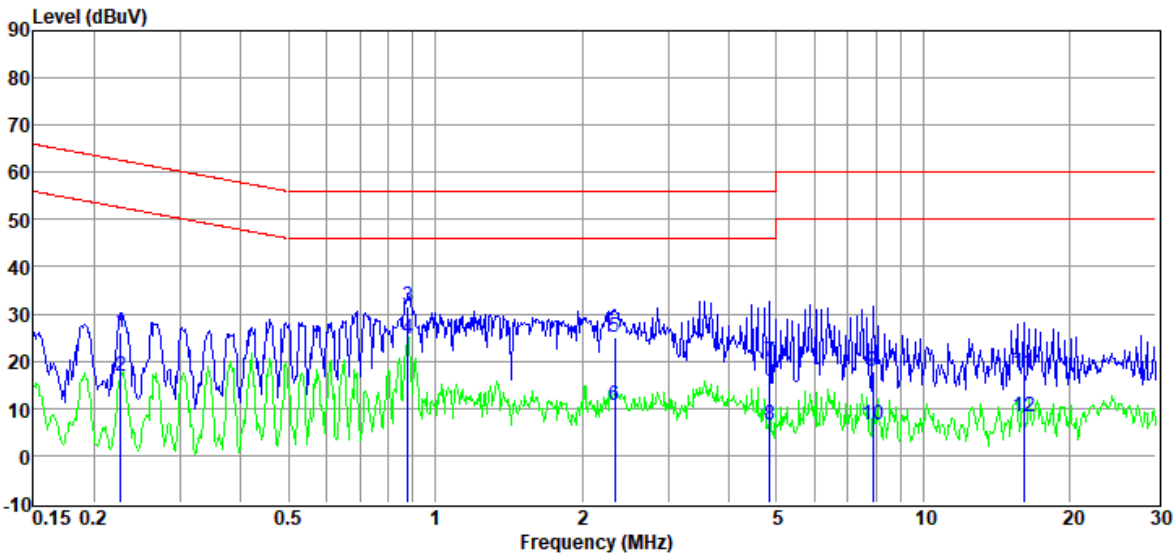
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 1# Shield Room	D:\2024 CE report data\Q24040121-1E RF\FCC CE.EM6
Test Date	: 2024-04-22	Tested By : Johnson Huang
EUT	: Remote controller (for multimedia speaker)	Model Number : EDF100076
Power Supply	: AC 120V/60Hz	Test Mode : BLE 1M TX
Condition	: TEMP:22.3°C, RH:56.5%	LISN : 2023 1# ENV216/LINE
Memo	: Sample Number:S24032202-004	

Data: 18



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	0.23	5.59	9.79	0.90	9.69	25.97	62.57	-36.60	QP	LINE
2	0.23	-3.50	9.79	0.90	9.69	16.88	52.57	-35.69	Average	LINE
3	0.88	11.58	9.63	0.70	9.73	31.64	56.00	-24.36	QP	LINE
4	0.88	4.53	9.63	0.70	9.73	24.59	46.00	-21.41	Average	LINE
5	2.33	4.80	9.77	0.62	9.76	24.95	56.00	-31.05	QP	LINE
6	2.33	-9.51	9.77	0.62	9.76	10.64	46.00	-35.36	Average	LINE
7	4.85	-0.32	9.73	0.53	9.79	19.73	56.00	-36.27	QP	LINE
8	4.85	-13.56	9.73	0.53	9.79	6.49	46.00	-39.51	Average	LINE
9	7.89	-2.05	9.72	0.40	9.81	17.88	60.00	-42.12	QP	LINE
10	7.89	-13.27	9.72	0.40	9.81	6.66	50.00	-43.34	Average	LINE
11	16.06	-2.66	9.81	0.32	9.89	17.36	60.00	-42.64	QP	LINE
12	16.06	-11.64	9.81	0.32	9.89	8.38	50.00	-41.62	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 1# Shield Room

Test Date

: 2024-04-22

EUT

: Remote controller (for multimedia speaker)

Power Supply

: AC 120V/60Hz

Condition

: TEMP:22.3°C, RH:56.5%

Memo

: Sample Number:S24032202-004

D:\2024 CE report data\Q24040121-1E RF\FCC CE.EM6

Tested By

: Johnson Huang

Model Number

: EDF100076

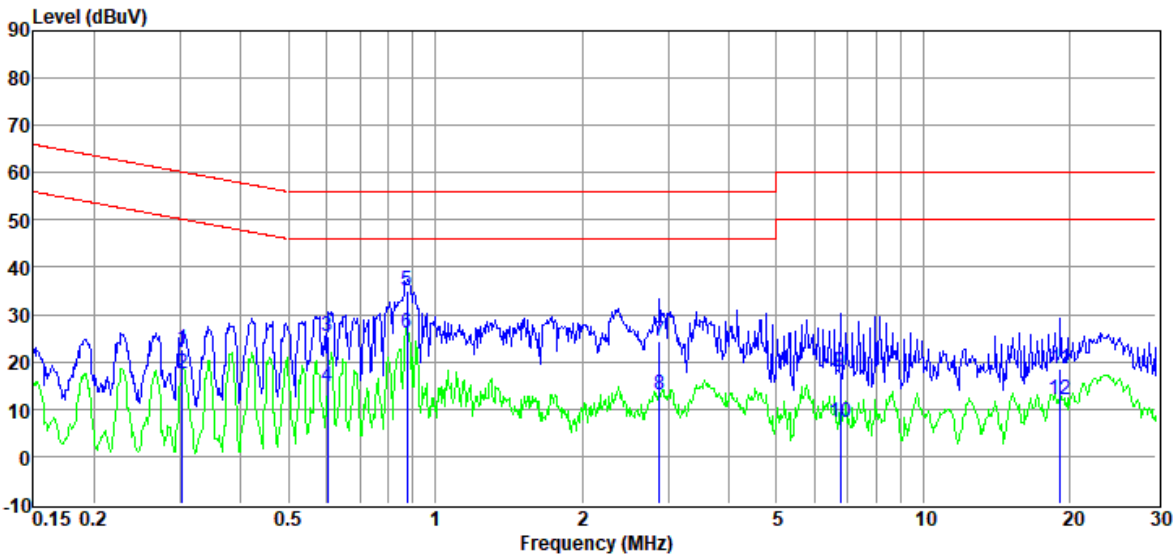
Test Mode

: BLE 1M TX

LISN

: 2023 1# ENV216/NEUTRAL

Data: 20



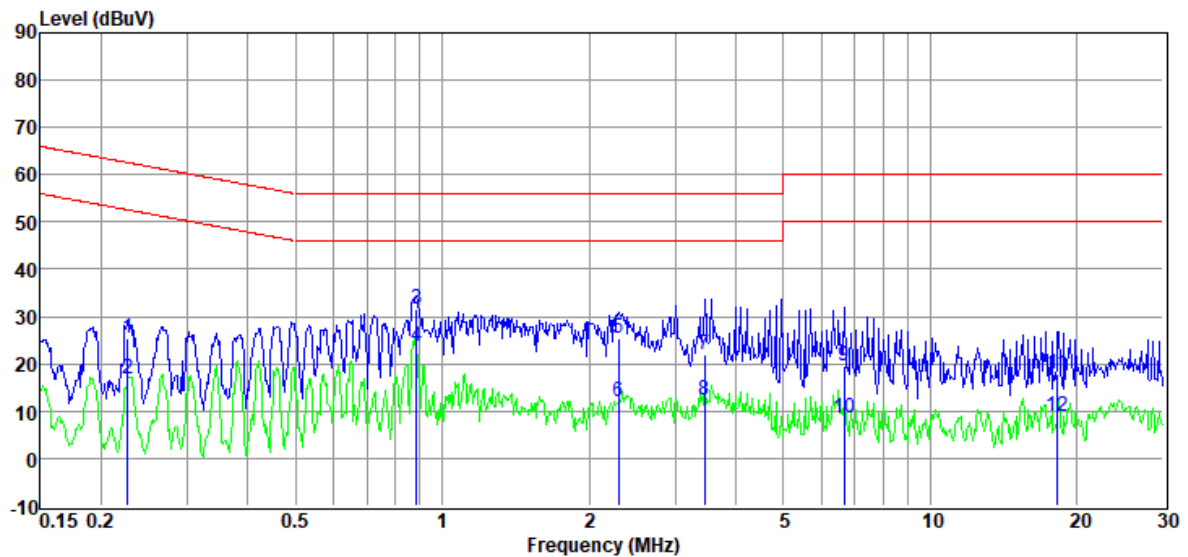
Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)		
1	0.30	2.51	9.71	0.88	9.70	22.80	60.15	-37.35	QP	NEUTRAL
2	0.30	-2.94	9.71	0.88	9.70	17.35	50.15	-32.80	Average	NEUTRAL
3	0.60	5.12	9.82	0.82	9.72	25.48	56.00	-30.52	QP	NEUTRAL
4	0.60	-5.70	9.82	0.82	9.72	14.66	46.00	-31.34	Average	NEUTRAL
5	0.88	14.63	9.81	0.70	9.73	34.87	56.00	-21.13	QP	NEUTRAL
6	0.88	5.77	9.81	0.70	9.73	26.01	46.00	-19.99	Average	NEUTRAL
7	2.88	4.23	9.71	0.59	9.77	24.30	56.00	-31.70	QP	NEUTRAL
8	2.88	-7.07	9.71	0.59	9.77	13.00	46.00	-33.00	Average	NEUTRAL
9	6.77	-2.37	9.81	0.46	9.80	17.70	60.00	-42.30	QP	NEUTRAL
10	6.77	-12.92	9.81	0.46	9.80	7.15	50.00	-42.85	Average	NEUTRAL
11	19.12	-1.72	9.87	0.29	9.91	18.35	60.00	-41.65	QP	NEUTRAL
12	19.12	-8.07	9.87	0.29	9.91	12.00	50.00	-38.00	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 1# Shield Room **D:\2024 CE report data\Q24040121-1E RF\FCC CE.EM6**
Test Date : 2024-04-22 **Tested By** : Johnson Huang
EUT : Remote controller (for multimedia speaker) **Model Number** : EDF100076
Power Supply : AC 120V/60Hz **Test Mode** : BLE 2M TX
Condition : TEMP:22.3°C, RH:56.5% **LISN** : 2023 1# ENV216/LINE
Memo : Sample Number:S24032202-004

Data: 22



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	5.00	9.79	0.90	9.69	25.38	62.57	-37.19	QP	LINE
2	0.23	-3.48	9.79	0.90	9.69	16.90	52.57	-35.67	Average	LINE
3	0.88	11.52	9.62	0.70	9.73	31.57	56.00	-24.43	QP	LINE
4	0.88	3.54	9.62	0.70	9.73	23.59	46.00	-22.41	Average	LINE
5	2.30	5.08	9.78	0.62	9.76	25.24	56.00	-30.76	QP	LINE
6	2.30	-8.18	9.78	0.62	9.76	11.98	46.00	-34.02	Average	LINE
7	3.45	2.04	9.64	0.58	9.78	22.04	56.00	-33.96	QP	LINE
8	3.45	-7.72	9.64	0.58	9.78	12.28	46.00	-33.72	Average	LINE
9	6.66	-0.37	9.68	0.46	9.80	19.57	60.00	-40.43	QP	LINE
10	6.66	-11.22	9.68	0.46	9.80	8.72	50.00	-41.28	Average	LINE
11	18.23	-2.29	9.87	0.32	9.91	17.81	60.00	-42.19	QP	LINE
12	18.23	-11.16	9.87	0.32	9.91	8.94	50.00	-41.06	Average	LINE

Note:

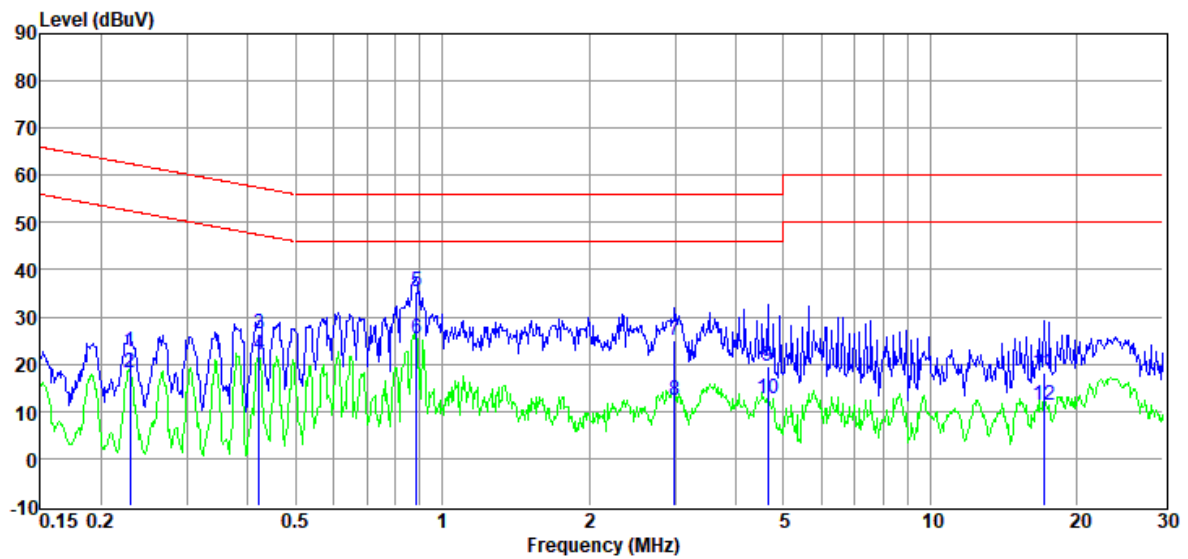
1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: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

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room
Test Date : 2024-04-22
EUT : Remote controller (for multimedia speaker)
Power Supply : AC 120V/60Hz
Condition : TEMP:22.3°C, RH:56.5%
Memo : Sample Number:S24032202-004

D:\2024 CE report data\Q24040121-1E RF\FCC CE.EM6
Tested By : Johnson Huang
Model Number : EDF100076
Test Mode : BLE 2M TX
LISN : 2023 1# ENV216/NEUTRAL

Data: 24



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	2.43	9.73	0.90	9.69	22.75	62.48	-39.73	QP	NEUTRAL
2	0.23	-2.10	9.73	0.90	9.69	18.22	52.48	-34.26	Average	NEUTRAL
3	0.42	5.98	9.74	0.85	9.71	26.28	57.42	-31.14	QP	NEUTRAL
4	0.42	1.71	9.74	0.85	9.71	22.01	47.42	-25.41	Average	NEUTRAL
5	0.88	15.01	9.81	0.70	9.73	35.25	56.00	-20.75	QP	NEUTRAL
6	0.88	5.29	9.81	0.70	9.73	25.53	46.00	-20.47	Average	NEUTRAL
7	2.99	4.92	9.71	0.59	9.77	24.99	56.00	-31.01	QP	NEUTRAL
8	2.99	-7.68	9.71	0.59	9.77	12.39	46.00	-33.61	Average	NEUTRAL
9	4.65	-0.45	9.74	0.53	9.79	19.61	56.00	-36.39	QP	NEUTRAL
10	4.65	-7.49	9.74	0.53	9.79	12.57	46.00	-33.43	Average	NEUTRAL
11	17.11	-2.00	9.82	0.34	9.90	18.06	60.00	-41.94	QP	NEUTRAL
12	17.11	-8.60	9.82	0.34	9.90	11.46	50.00	-38.54	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-Q24040121-1E appendix I

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