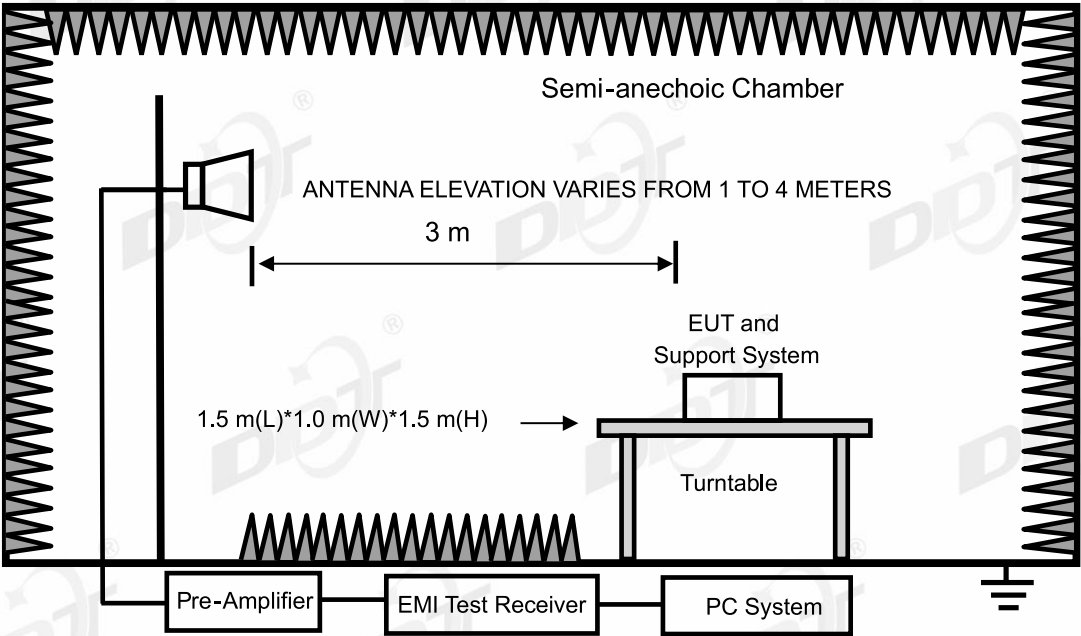


15.2. Block diagram of test setup



15.3. Limits

All restriction band should comply with 15.209 limits, other emission should be at least 20 dB below the fundamental.

15.4. Assistant equipment used for test

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

15.5. 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.

15.6. Test result

PASS. (See below detailed test result)

15.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

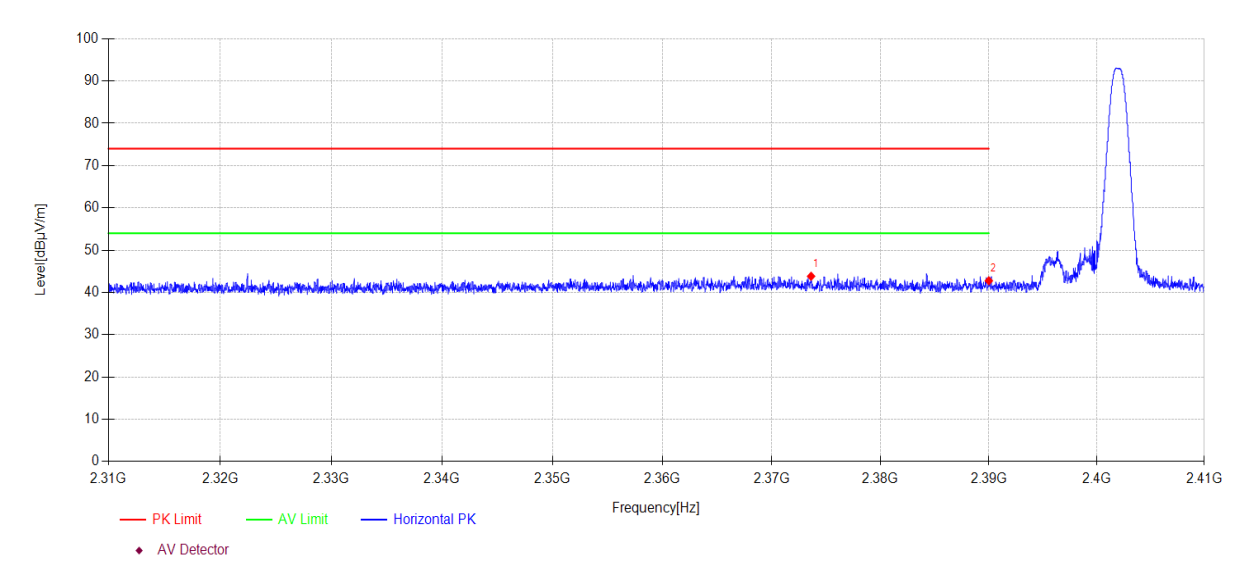
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\65

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	2373.630	13.07	27.19	3.56	0.00	43.82	74.00	30.18	PK	Horizontal
2	2390.000	11.94	27.26	3.57	0.00	42.77	74.00	31.23	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

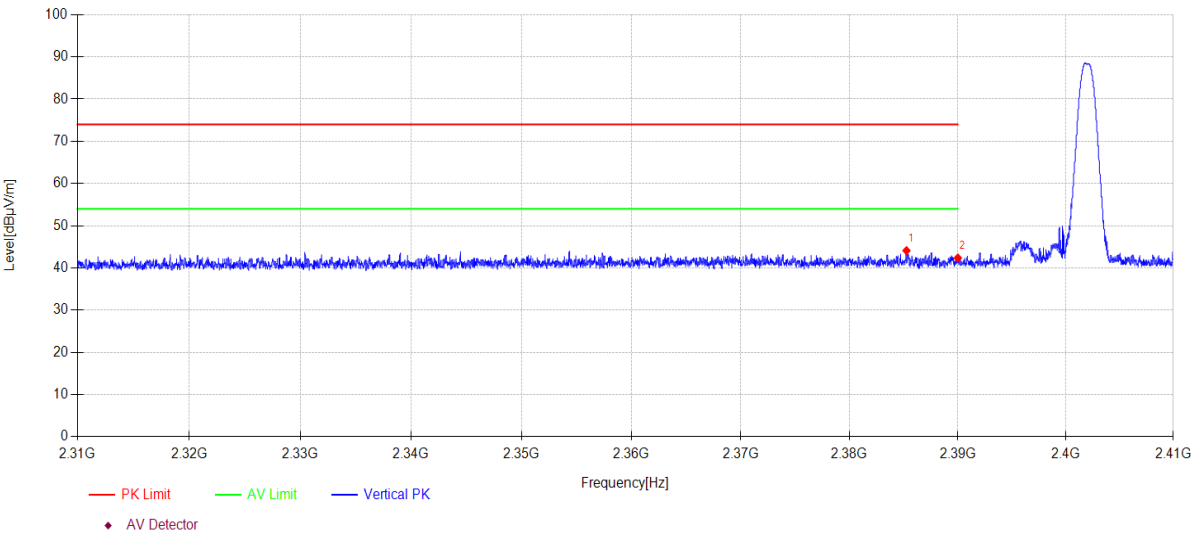
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\66

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	2385.260	13.29	27.24	3.57	0.00	44.10	74.00	29.90	PK	Vertical
2	2390.000	11.53	27.26	3.57	0.00	42.36	74.00	31.64	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

2DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

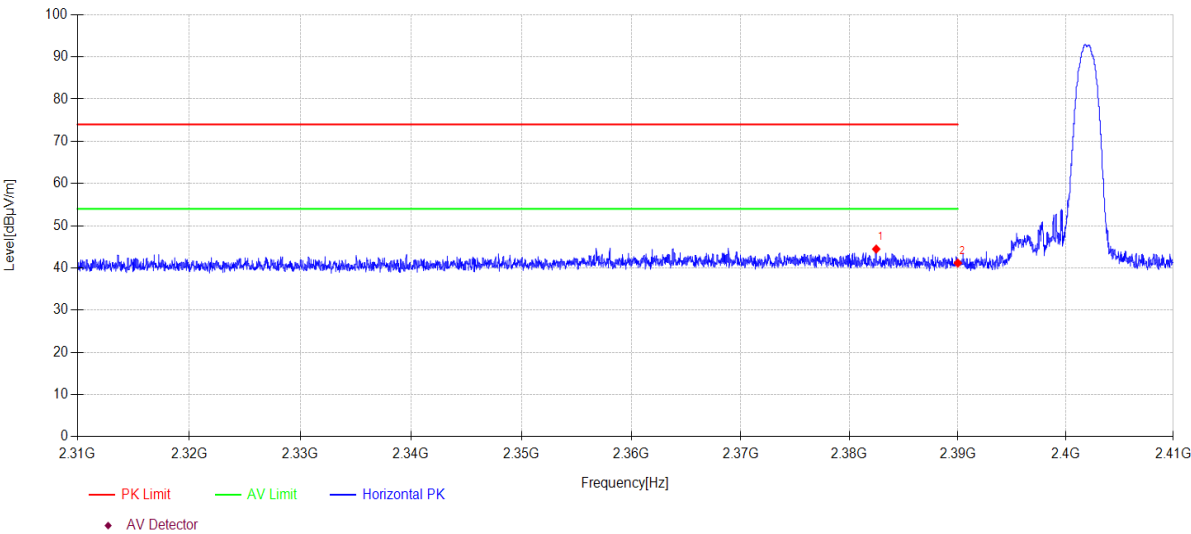
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\67

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	2382.470	13.68	27.23	3.56	0.00	44.47	74.00	29.53	PK	Horizontal
2	2390.000	10.32	27.26	3.57	0.00	41.15	74.00	32.85	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

2DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

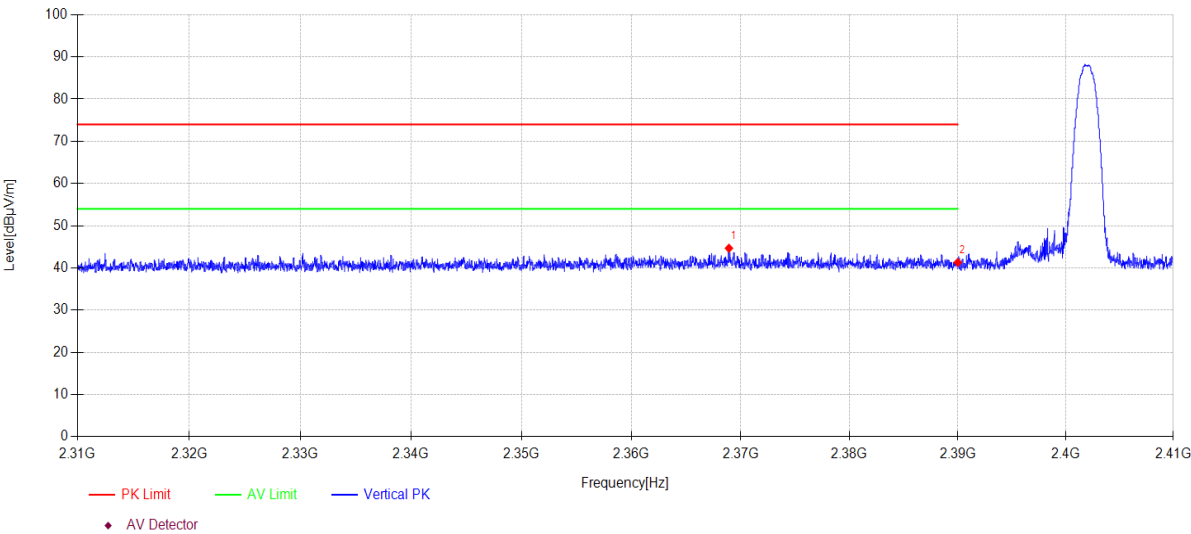
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\68

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	2368.940	13.92	27.18	3.56	0.00	44.66	74.00	29.34	PK	Vertical
2	2390.000	10.48	27.26	3.57	0.00	41.31	74.00	32.69	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

3DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

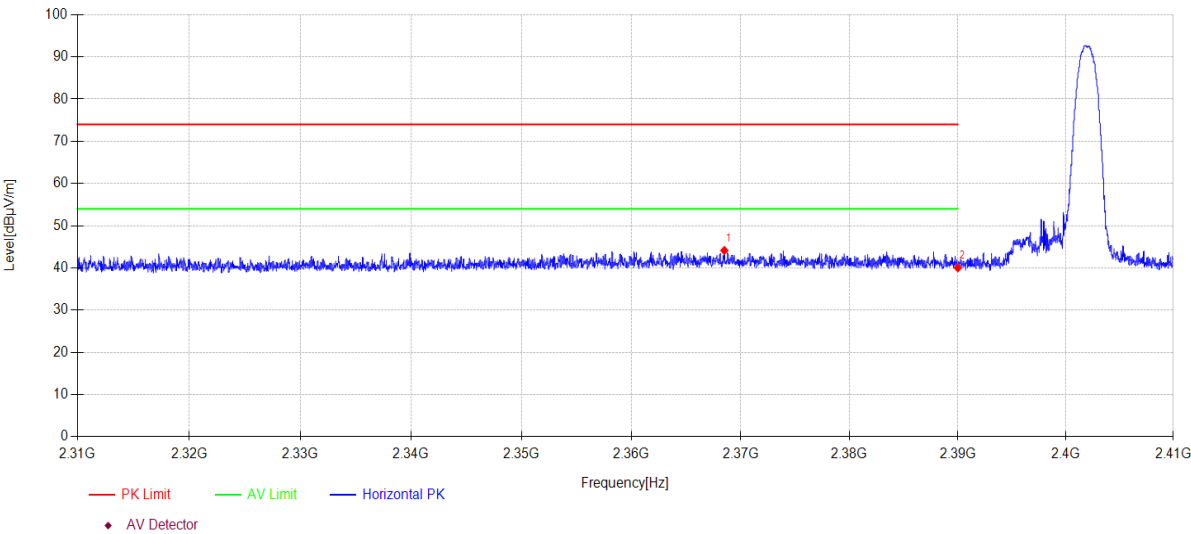
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\69

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	2368.520	13.40	27.17	3.56	0.00	44.13	74.00	29.87	PK	Horizontal
2	2390.000	9.19	27.26	3.57	0.00	40.02	74.00	33.98	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

3DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

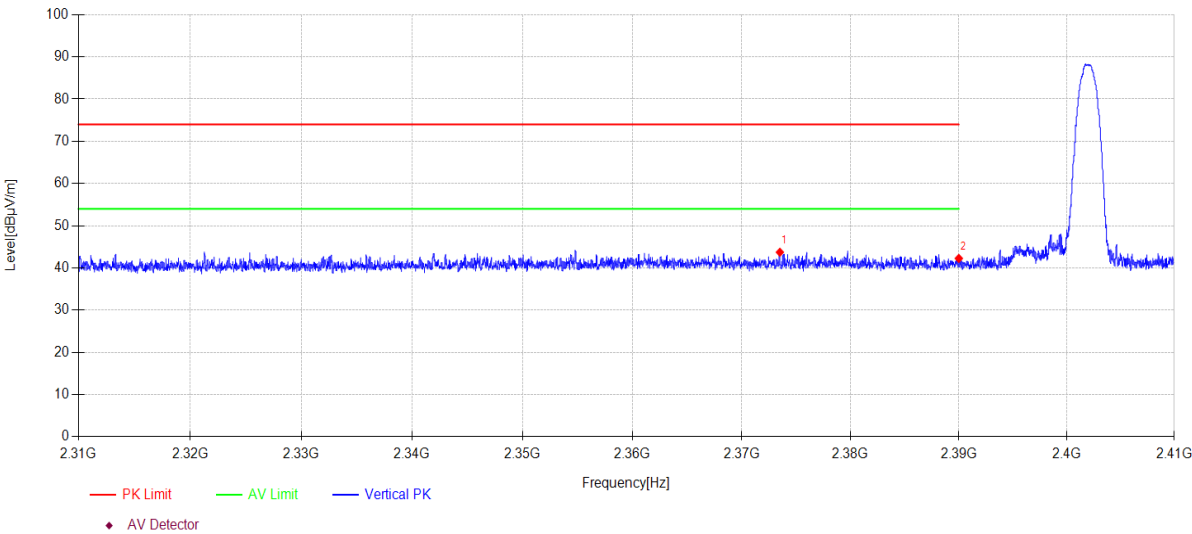
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\70

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	2373.520	12.97	27.19	3.56	0.00	43.72	74.00	30.28	PK	Vertical
2	2390.000	11.43	27.26	3.57	0.00	42.26	74.00	31.74	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

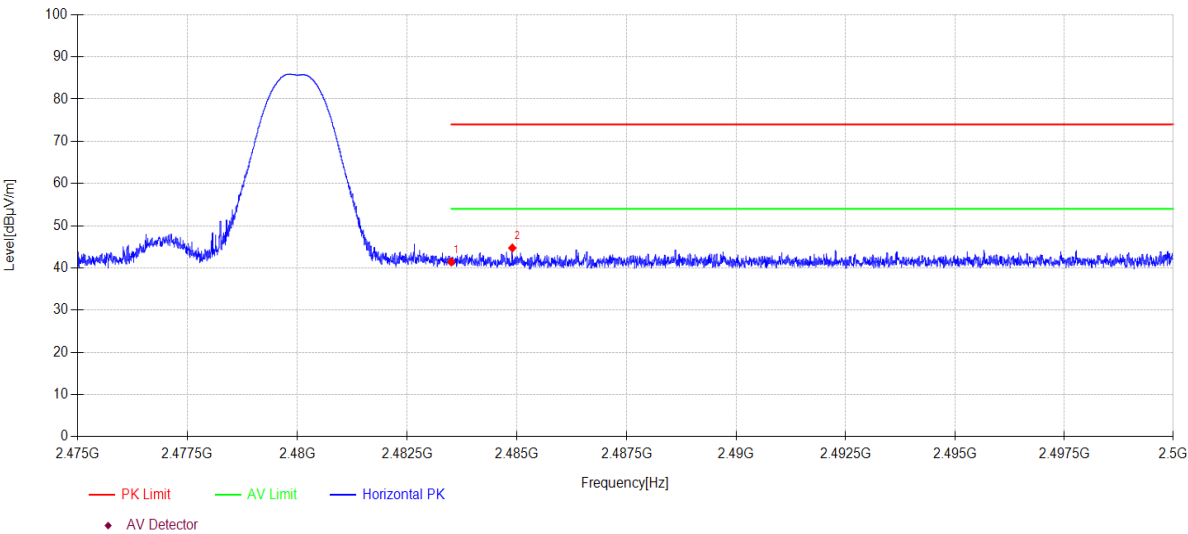
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\71

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	10.28	27.53	3.62	0.00	41.43	74.00	32.57	PK	Horizontal
2	2484.893	13.56	27.54	3.62	0.00	44.72	74.00	29.28	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

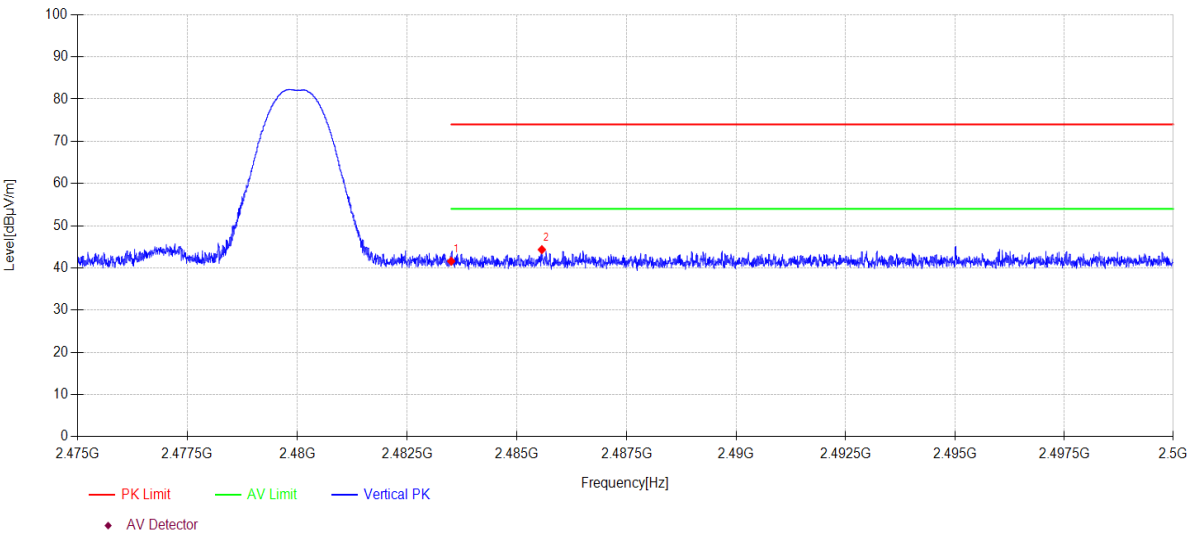
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\72

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	10.44	27.53	3.62	0.00	41.59	74.00	32.41	PK	Vertical
2	2485.565	13.17	27.54	3.62	0.00	44.33	74.00	29.67	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

2DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

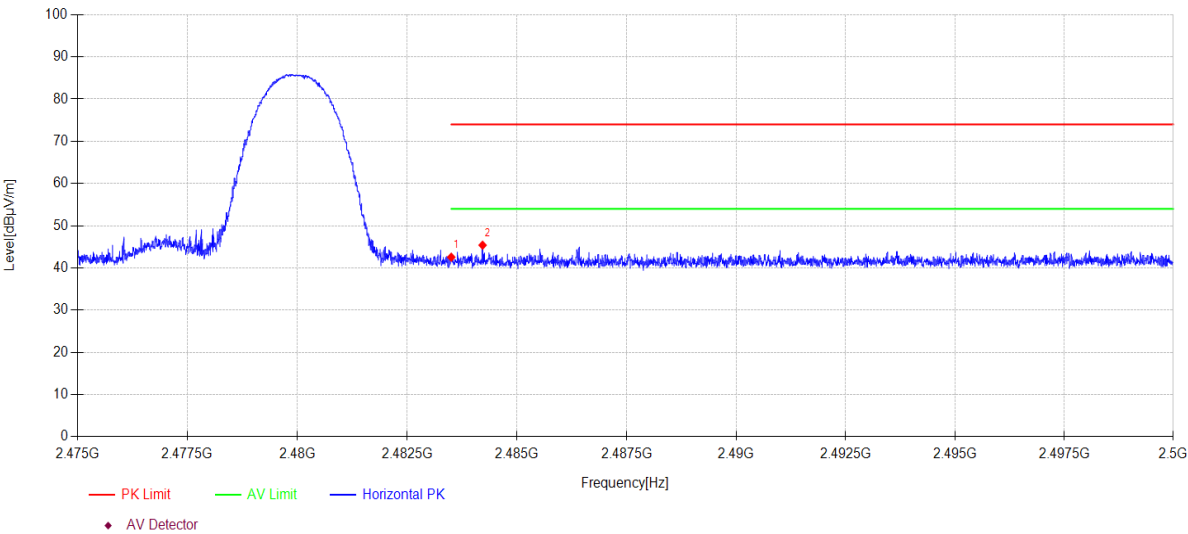
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\73

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	11.40	27.53	3.62	0.00	42.55	74.00	31.45	PK	Horizontal
2	2484.215	14.23	27.54	3.62	0.00	45.39	74.00	28.61	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

2DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

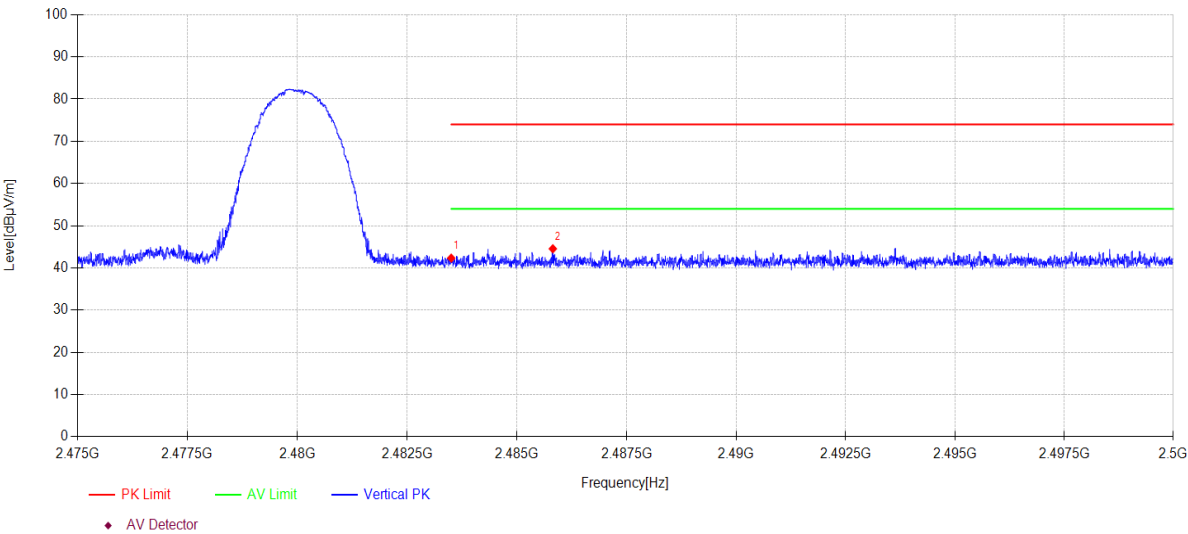
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Memo:

L Sample Number:S24040912-022 Power Setting:10

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	11.18	27.53	3.62	0.00	42.33	74.00	31.67	PK	Vertical
2	2485.815	13.38	27.54	3.62	0.00	44.54	74.00	29.46	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

3DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

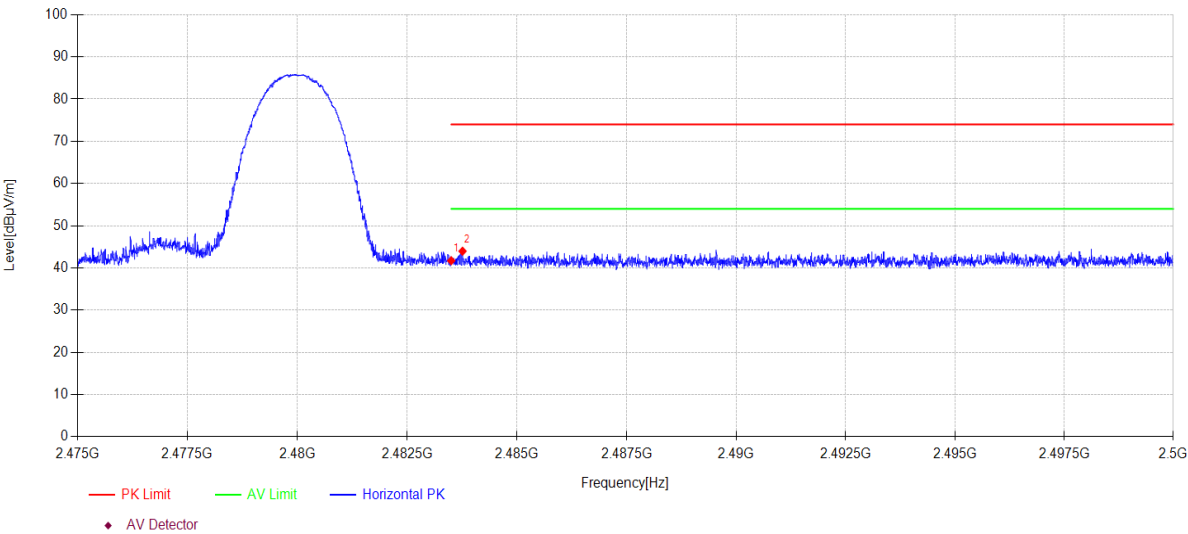
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d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\75

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	10.56	27.53	3.62	0.00	41.71	74.00	32.29	PK	Horizontal
2	2483.758	12.81	27.54	3.62	0.00	43.97	74.00	30.03	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

3DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

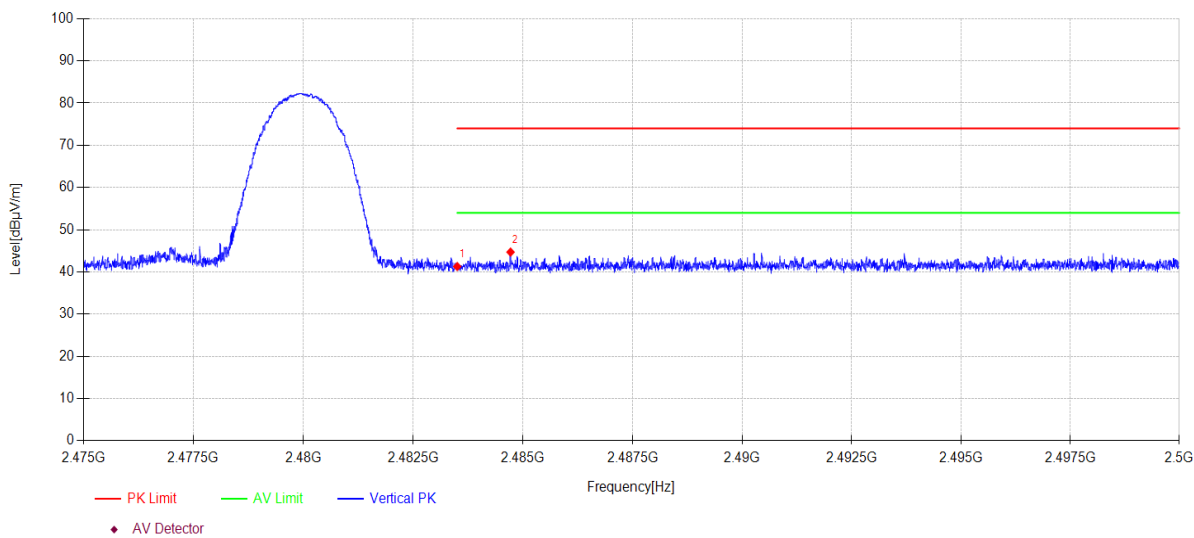
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\76

Memo:

L Sample Number:S24040912-022 Power Setting:10

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	10.14	27.53	3.62	0.00	41.29	74.00	32.71	PK	Vertical
2	2484.715	13.54	27.54	3.62	0.00	44.70	74.00	29.30	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

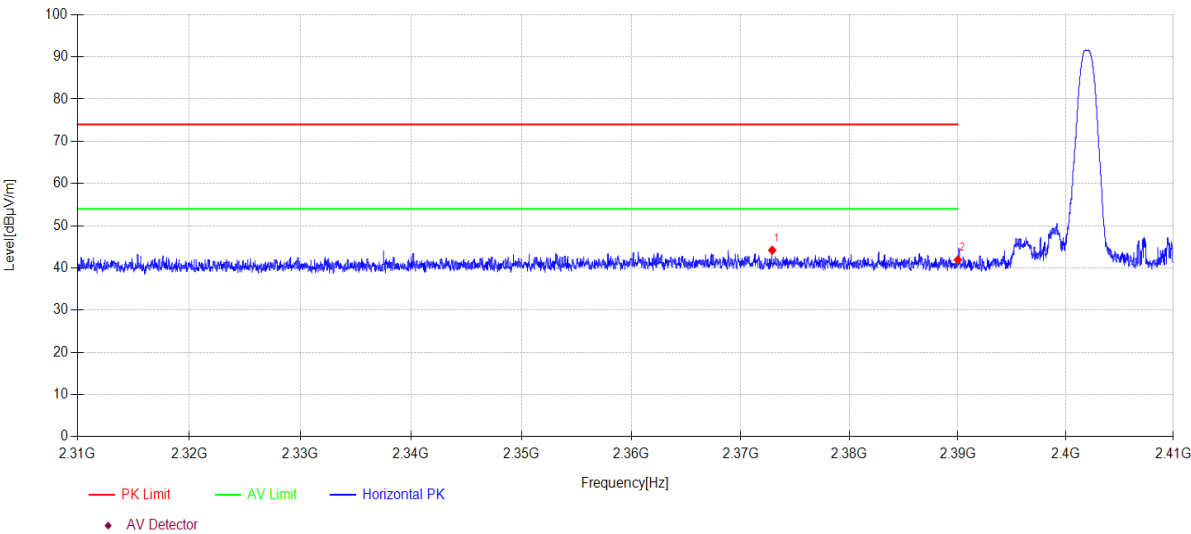
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\19

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	2372.910	13.45	27.19	3.56	0.00	44.20	74.00	29.80	PK	Horizontal
2	2390.000	11.09	27.26	3.57	0.00	41.92	74.00	32.08	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

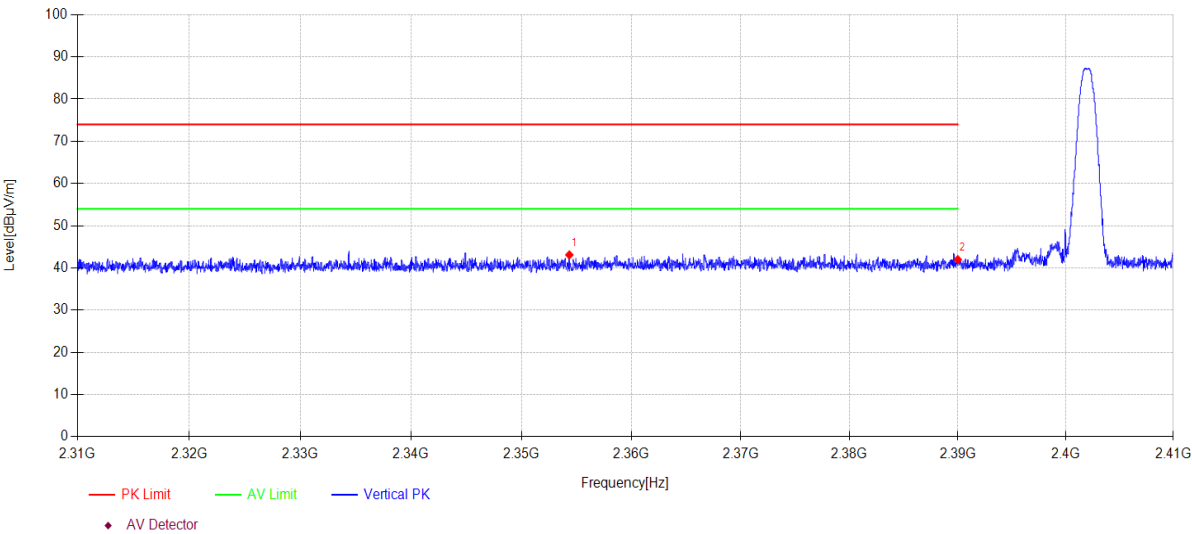
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\20

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	2354.370	12.42	27.12	3.55	0.00	43.09	74.00	30.91	PK	Vertical
2	2390.000	11.14	27.26	3.57	0.00	41.97	74.00	32.03	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

2DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

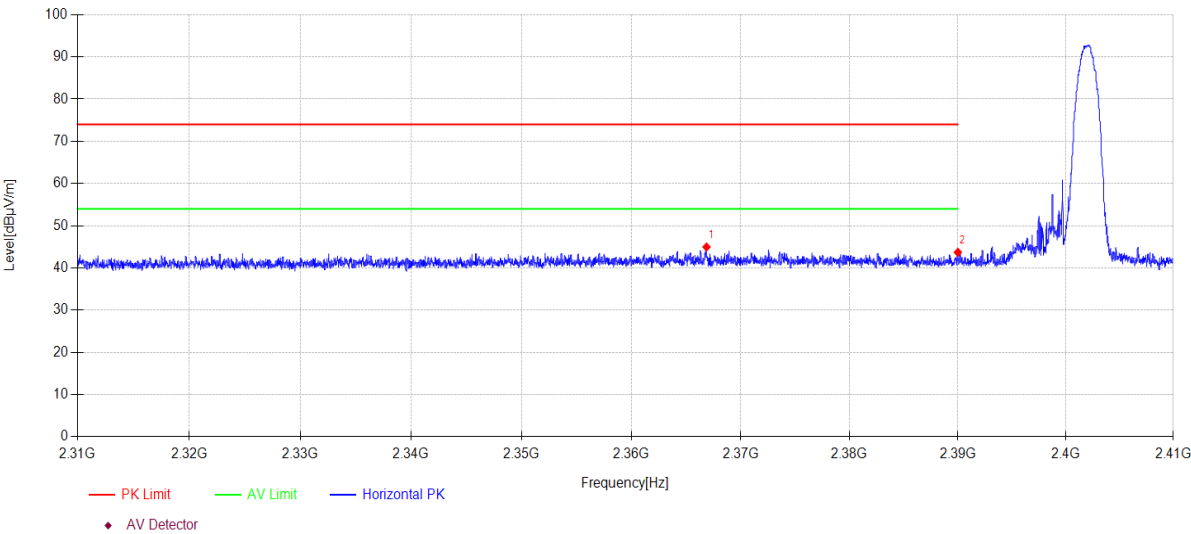
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\21

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	2366.890	14.23	27.17	3.56	0.00	44.96	74.00	29.04	PK	Horizontal
2	2390.000	12.87	27.26	3.57	0.00	43.70	74.00	30.30	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

2DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

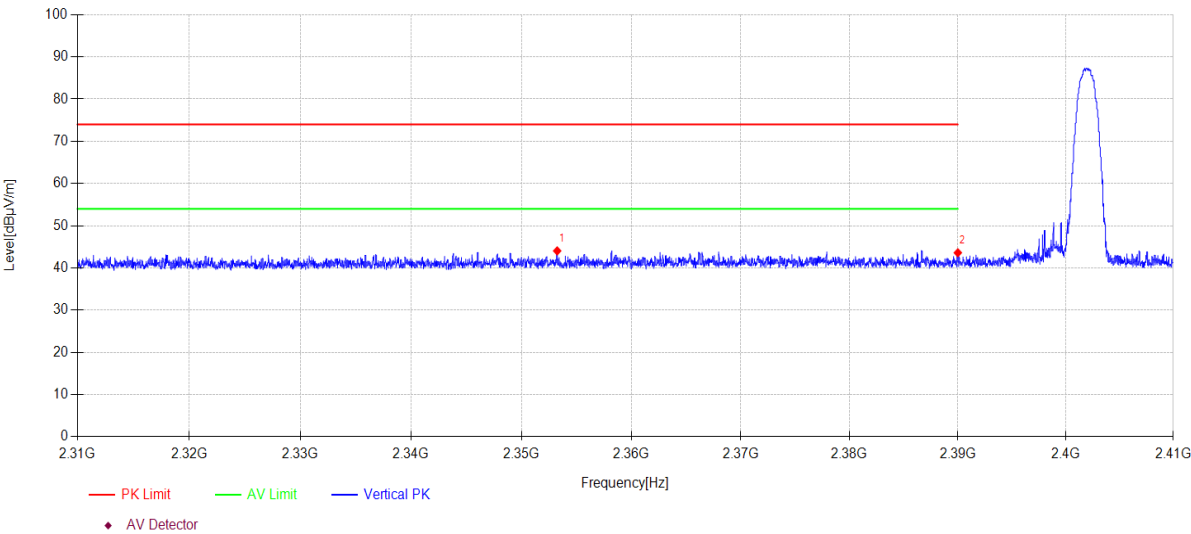
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\22

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	2353.260	13.38	27.11	3.55	0.00	44.04	74.00	29.96	PK	Vertical
2	2390.000	12.77	27.26	3.57	0.00	43.60	74.00	30.40	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

3DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

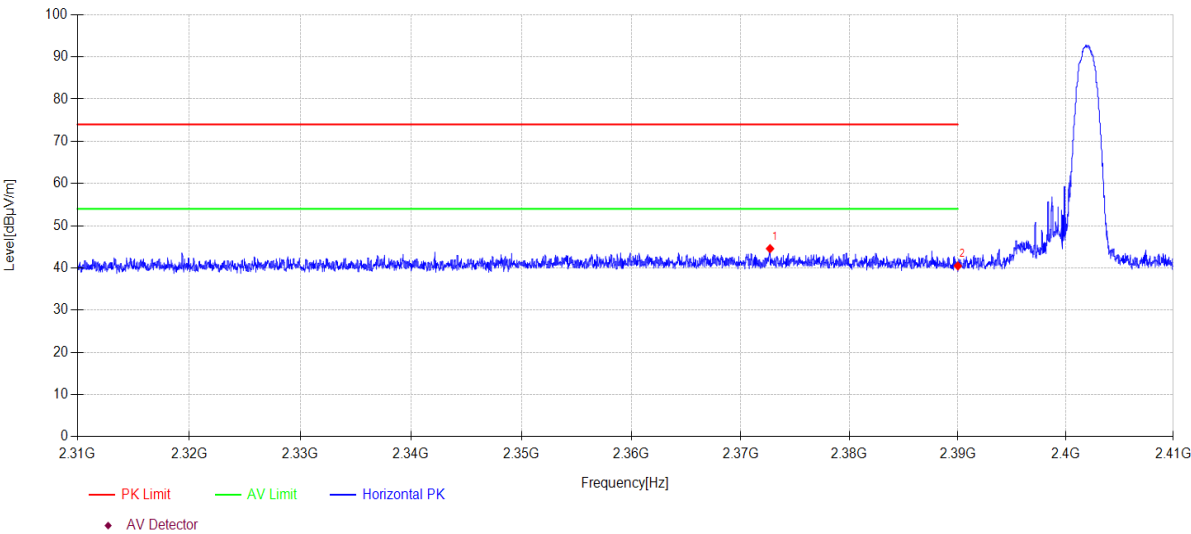
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\23

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	2372.710	13.82	27.19	3.56	0.00	44.57	74.00	29.43	PK	Horizontal
2	2390.000	9.64	27.26	3.57	0.00	40.47	74.00	33.53	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

3DH5 TX 2402MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

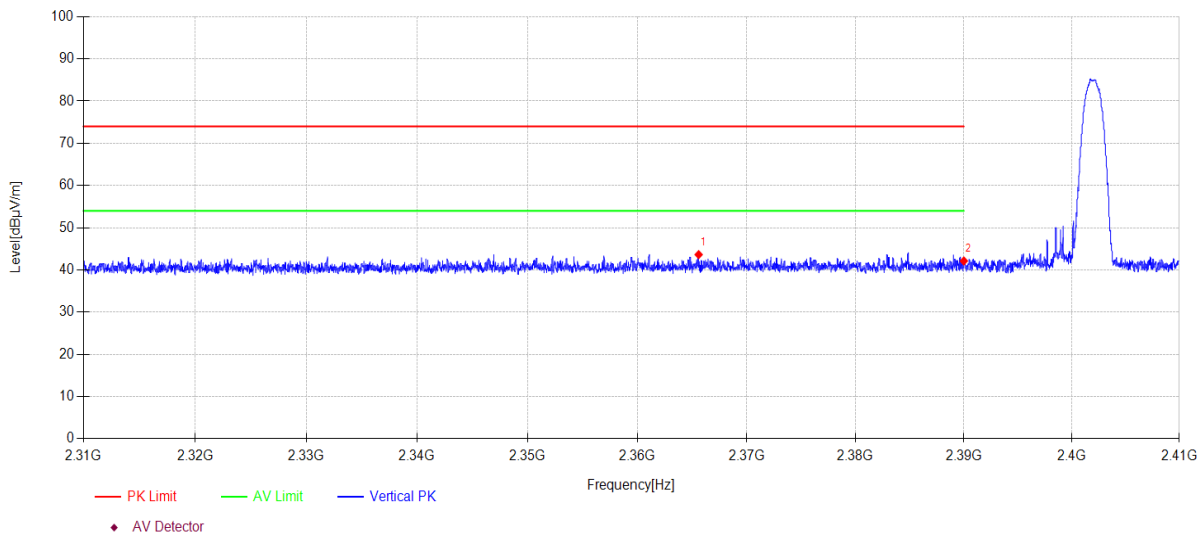
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d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\24

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	2365.620	12.92	27.16	3.55	0.00	43.63	74.00	30.37	PK	Vertical
2	2390.000	11.29	27.26	3.57	0.00	42.12	74.00	31.88	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

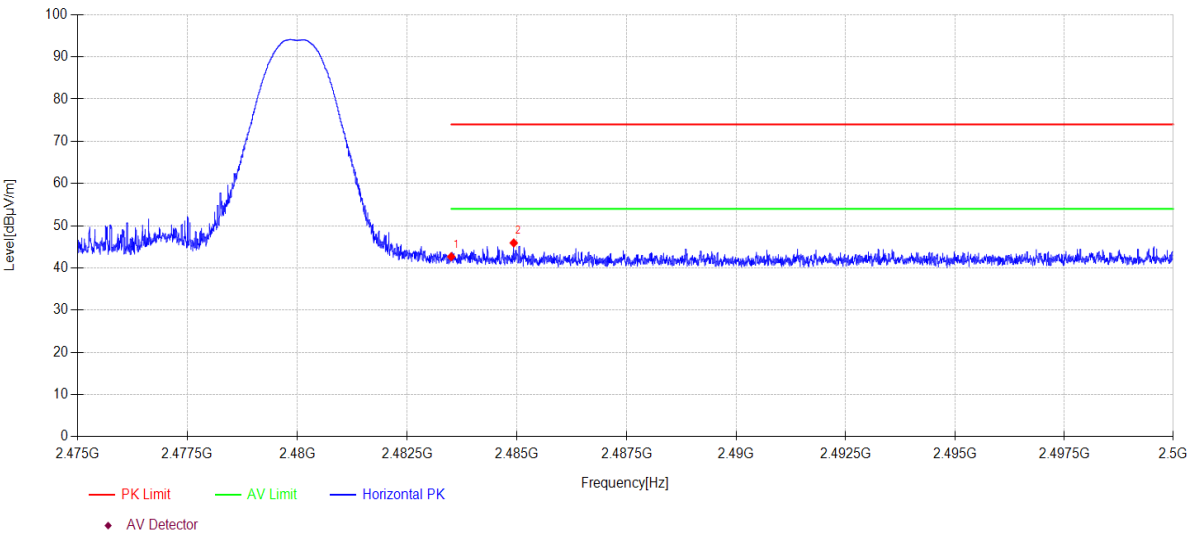
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\25

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	11.51	27.53	3.62	0.00	42.66	74.00	31.34	PK	Horizontal
2	2484.925	14.76	27.54	3.62	0.00	45.92	74.00	28.08	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

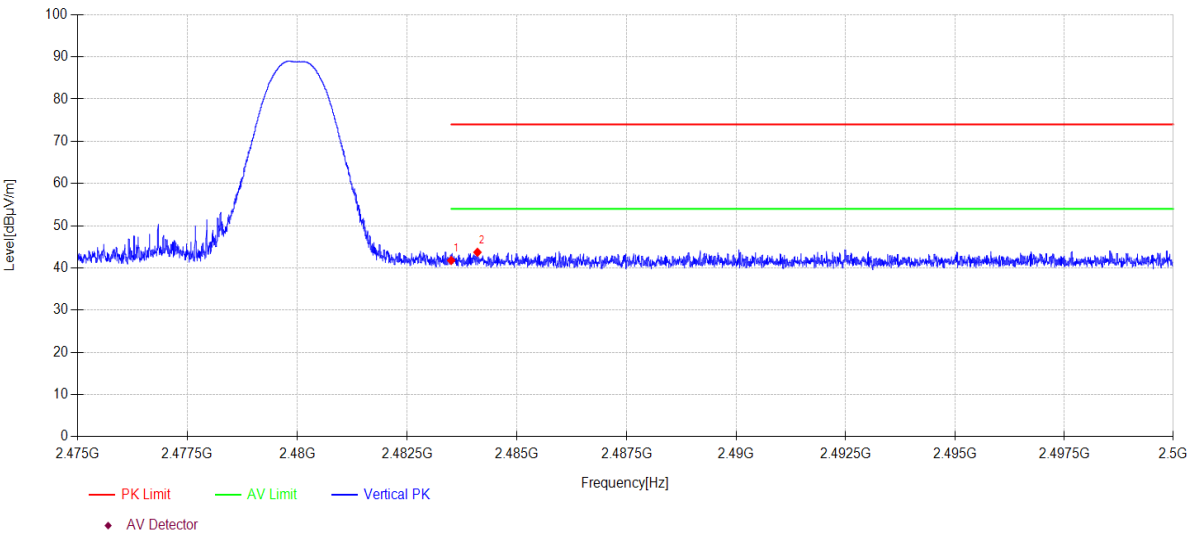
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\26

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	10.62	27.53	3.62	0.00	41.77	74.00	32.23	PK	Vertical
2	2484.098	12.55	27.54	3.62	0.00	43.71	74.00	30.29	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

2DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

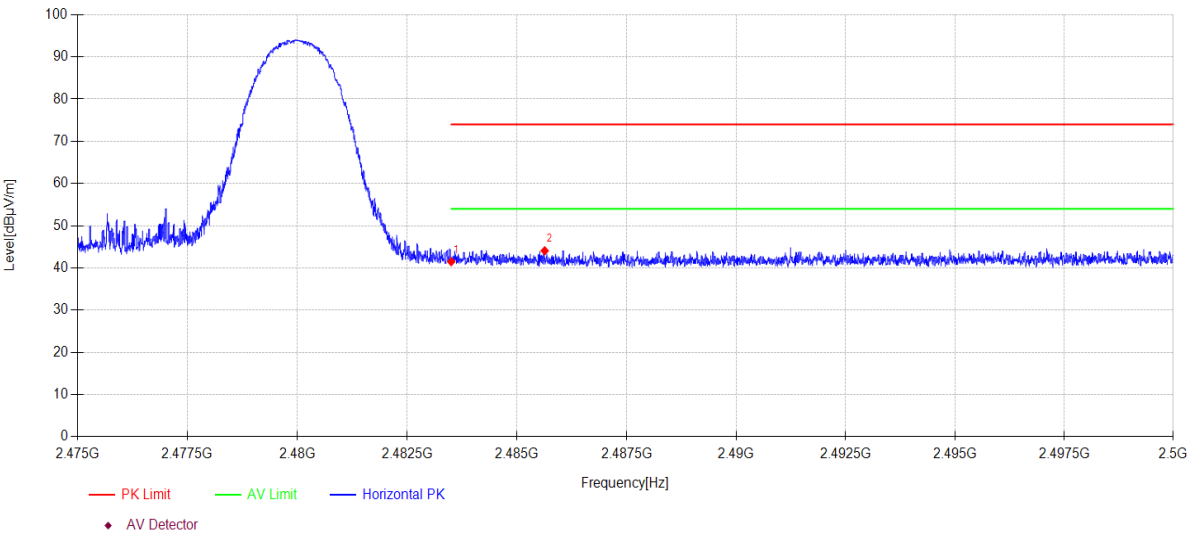
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\27

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	10.32	27.53	3.62	0.00	41.47	74.00	32.53	PK	Horizontal
2	2485.630	12.91	27.54	3.62	0.00	44.07	74.00	29.93	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

2DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

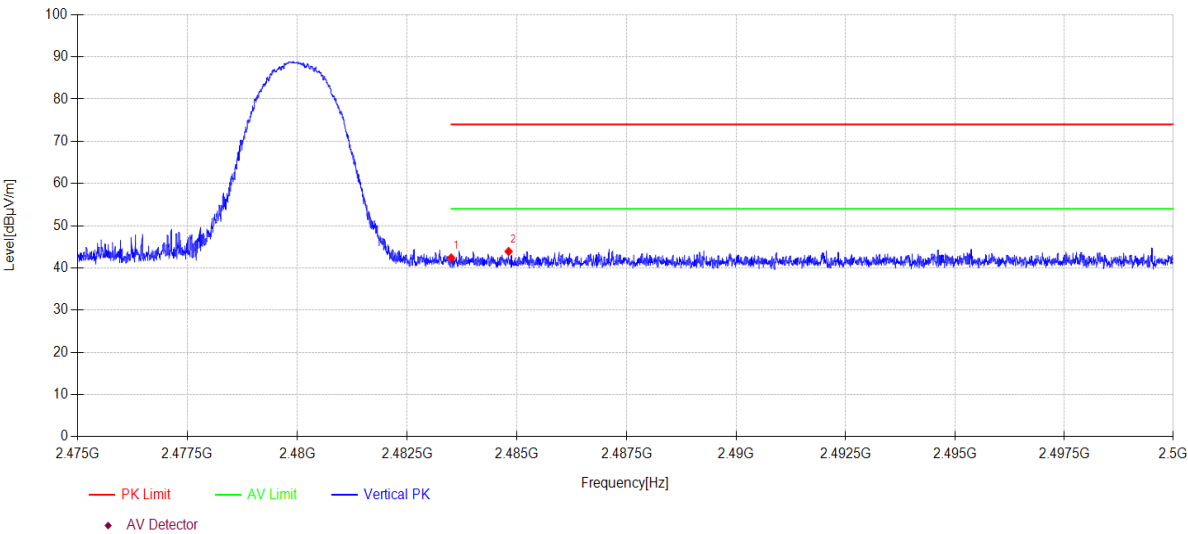
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\28

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	11.23	27.53	3.62	0.00	42.38	74.00	31.62	PK	Vertical
2	2484.808	12.75	27.54	3.62	0.00	43.91	74.00	30.09	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

3DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

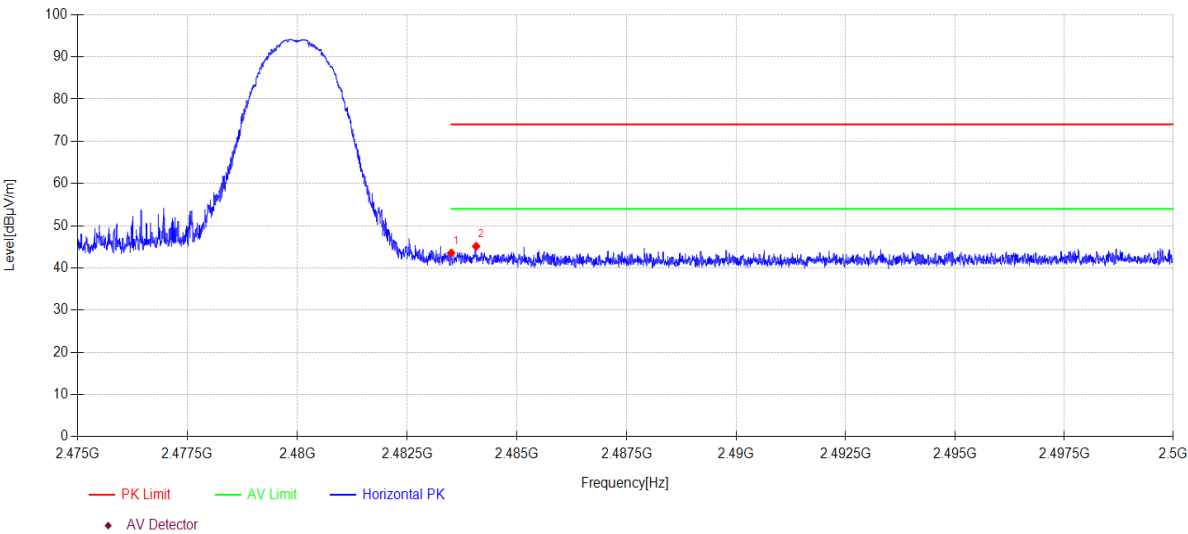
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\29

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	12.38	27.53	3.62	0.00	43.53	74.00	30.47	PK	Horizontal
2	2484.068	13.95	27.54	3.62	0.00	45.11	74.00	28.89	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:

2024-06-07

Tested By:

Junchang Du

EUT:

True Wireless Earbuds

Model Number:

FLEX

Test Mode:

3DH5 TX 2480MHz

Power Supply:

Battery

Condition:

Temp:22.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

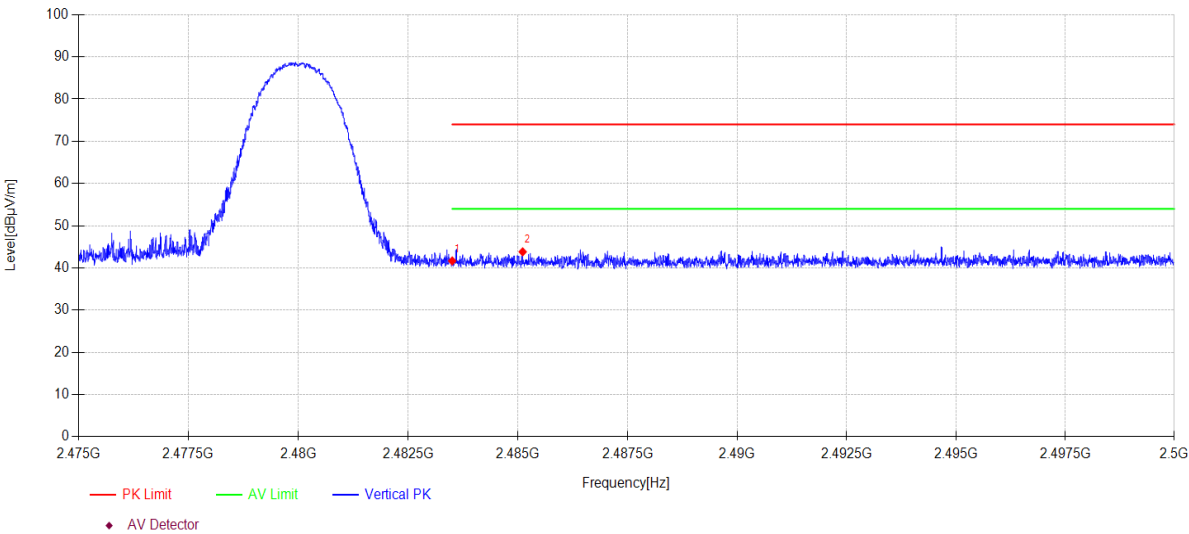
File Path:

d:\ts\2024 report data\Q24040912-1E\FCC ABOVE 1G\30

Memo:

R Sample Number:S24040912-022 Power Setting:10

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	10.51	27.53	3.62	0.00	41.66	74.00	32.34	PK	Vertical
2	2485.105	12.66	27.54	3.62	0.00	43.82	74.00	30.18	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.

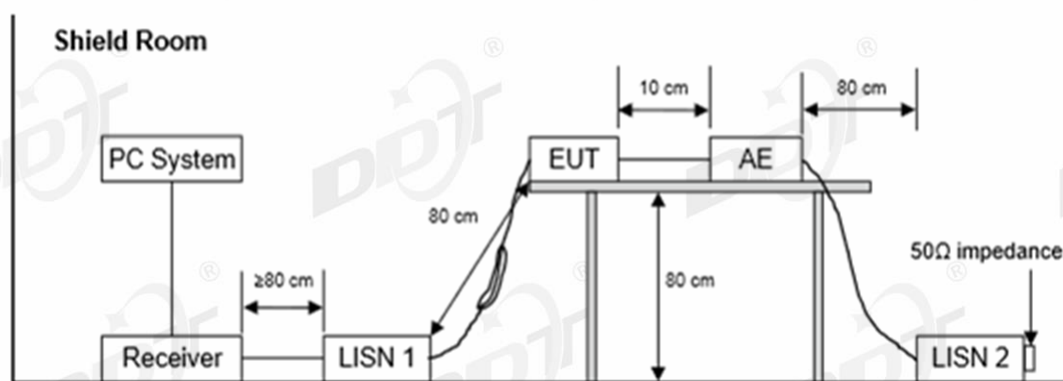
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

16. Power Line Conducted Emissions

16.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Receiver	R&S	ESCI	DDT-ZC01972	2025/03/31
Two Line V-Network	R&S	ENV216	DDT-ZC00586	2024/07/11
Conducted Radiated Software	Audix	E3	DDT-ZC00562	/
Pulse Limiter	R&S	KH43101	DDT-ZC00747	2025/04/22
Two Line V-Network	R&S	ENV216	DDT-ZC01247	2024/07/11
Copper shaft signal cable	H&S	RG214-5	DDT-ZC01817	2025/03/31

16.2. Block diagram of test setup



16.3. 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.

16.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Adapter	HUAWEI	HW-050450C00	Huawei fast charging	Input: 100-240V~ 50/60Hz, Output: 5V/2A or 4.5V/5A or 5V/4.5A

16.5. 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.

16.6. 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.

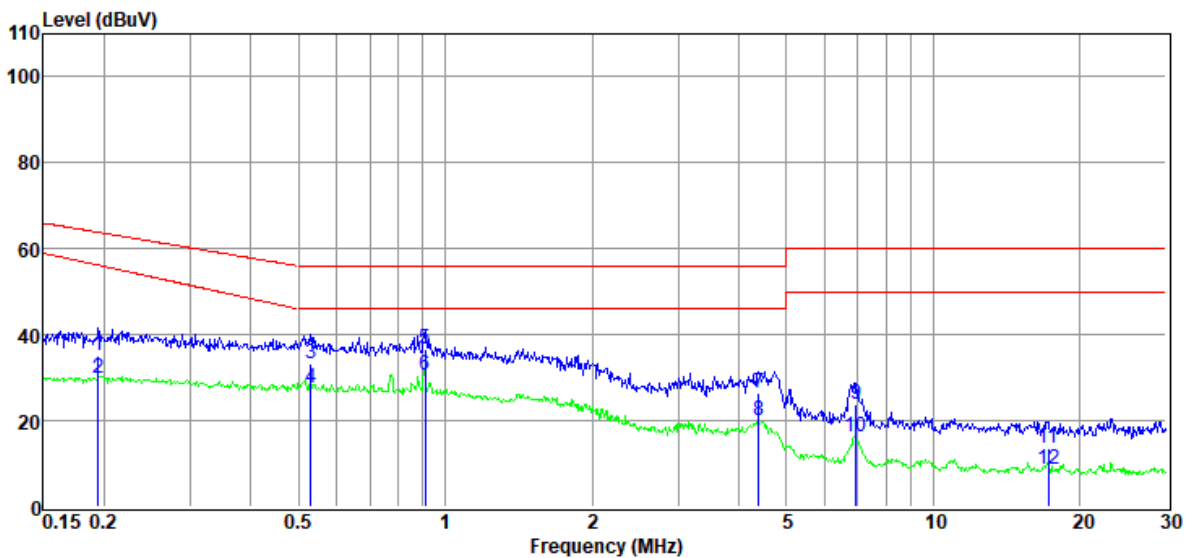
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

16.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room **D:\2024 report data\Q24040912-1E\CE.EM6**
Test Date : 2024-06-18 **Tested By** : Wang rong
EUT : TRUE WIRELESS EARBUDS **Model Number** : FLEX
Power Supply : AC 120V/60Hz **Test Mode** : BT Mode
Condition : Temp:23.7°C,Humi:66.6% **LISN** : 2023 ENV216 2#/LINE
Memo :

Data: 2



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	0.19	15.08	9.93	0.09	10.06	35.16	63.84	-28.68	QP	LINE
2	0.19	9.75	9.93	0.09	10.06	29.83	56.20	-26.37	Average	LINE
3	0.53	13.26	9.97	0.10	10.07	33.40	56.00	-22.60	QP	LINE
4	0.53	7.54	9.97	0.10	10.07	27.68	46.00	-18.32	Average	LINE
5	0.91	16.57	9.91	0.11	10.05	36.64	56.00	-19.36	QP	LINE
6	0.91	10.56	9.91	0.11	10.05	30.63	46.00	-15.37	Average	LINE
7	4.38	6.24	9.95	0.19	10.06	26.44	56.00	-29.56	QP	LINE
8	4.38	-0.28	9.95	0.19	10.06	19.92	46.00	-26.08	Average	LINE
9	6.95	3.59	9.90	0.21	10.06	23.76	60.00	-36.24	QP	LINE
10	6.95	-4.02	9.90	0.21	10.06	16.15	50.00	-33.85	Average	LINE
11	17.20	-6.62	9.96	0.33	10.06	13.73	60.00	-46.27	QP	LINE
12	17.20	-11.48	9.96	0.33	10.06	8.87	50.00	-41.13	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 5# Shield Room

D:\2024 report data\Q24040912-1E\CE.EM6

Test Date : 2024-06-18

Tested By : Wang rong

EUT : TRUE WIRELESS EARBUDS

Model Number : FLEX

Power Supply : AC 120V/60Hz

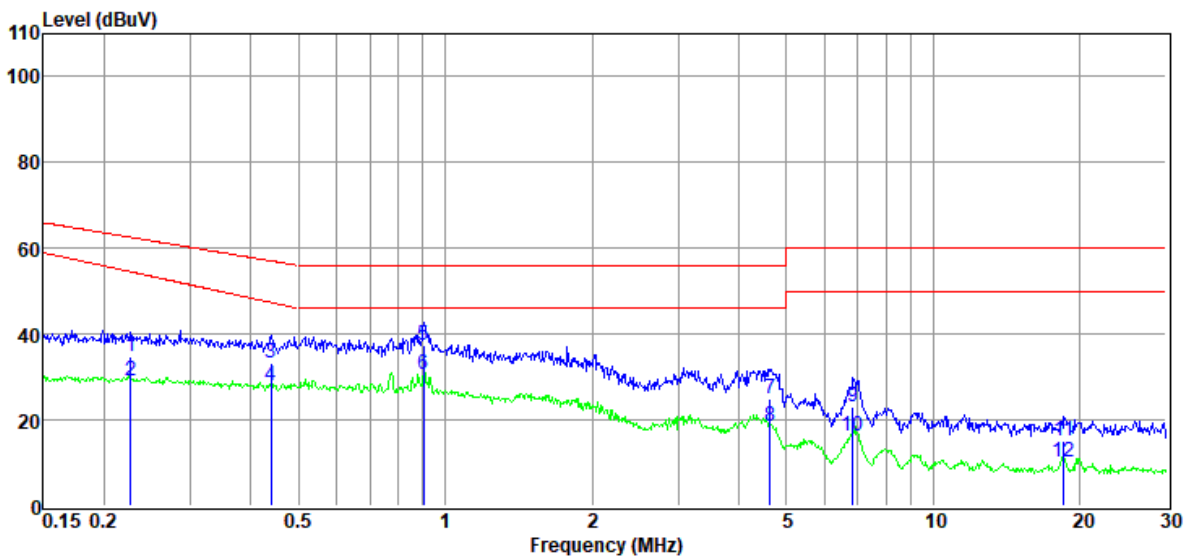
Test Mode : BT Mode

Condition : Temp:23.7°C,Humi:66.6%

LISN : 2023 ENV216 2#/NEUTRAL

Memo :

Data: 4



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	14.54	9.92	0.09	10.06	34.61	62.57	-27.96	QP	NEUTRAL
2	0.23	9.12	9.92	0.09	10.06	29.19	54.54	-25.35	Average	NEUTRAL
3	0.44	13.19	10.00	0.10	10.07	33.36	57.07	-23.71	QP	NEUTRAL
4	0.44	7.90	10.00	0.10	10.07	28.07	47.39	-19.32	Average	NEUTRAL
5	0.90	17.20	9.98	0.11	10.05	37.34	56.00	-18.66	QP	NEUTRAL
6	0.90	10.65	9.98	0.11	10.05	30.79	46.00	-15.21	Average	NEUTRAL
7	4.62	4.87	10.00	0.19	10.06	25.12	56.00	-30.88	QP	NEUTRAL
8	4.62	-1.80	10.00	0.19	10.06	18.45	46.00	-27.55	Average	NEUTRAL
9	6.84	2.65	10.02	0.21	10.06	22.94	60.00	-37.06	QP	NEUTRAL
10	6.84	-3.90	10.02	0.21	10.06	16.39	50.00	-33.61	Average	NEUTRAL
11	18.52	-5.15	10.01	0.34	10.07	15.27	60.00	-44.73	QP	NEUTRAL
12	18.52	-10.23	10.01	0.34	10.07	10.19	50.00	-39.81	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.

18. Photos of the EUT

Please refer to DDT-Q24040912-2E appendix I

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