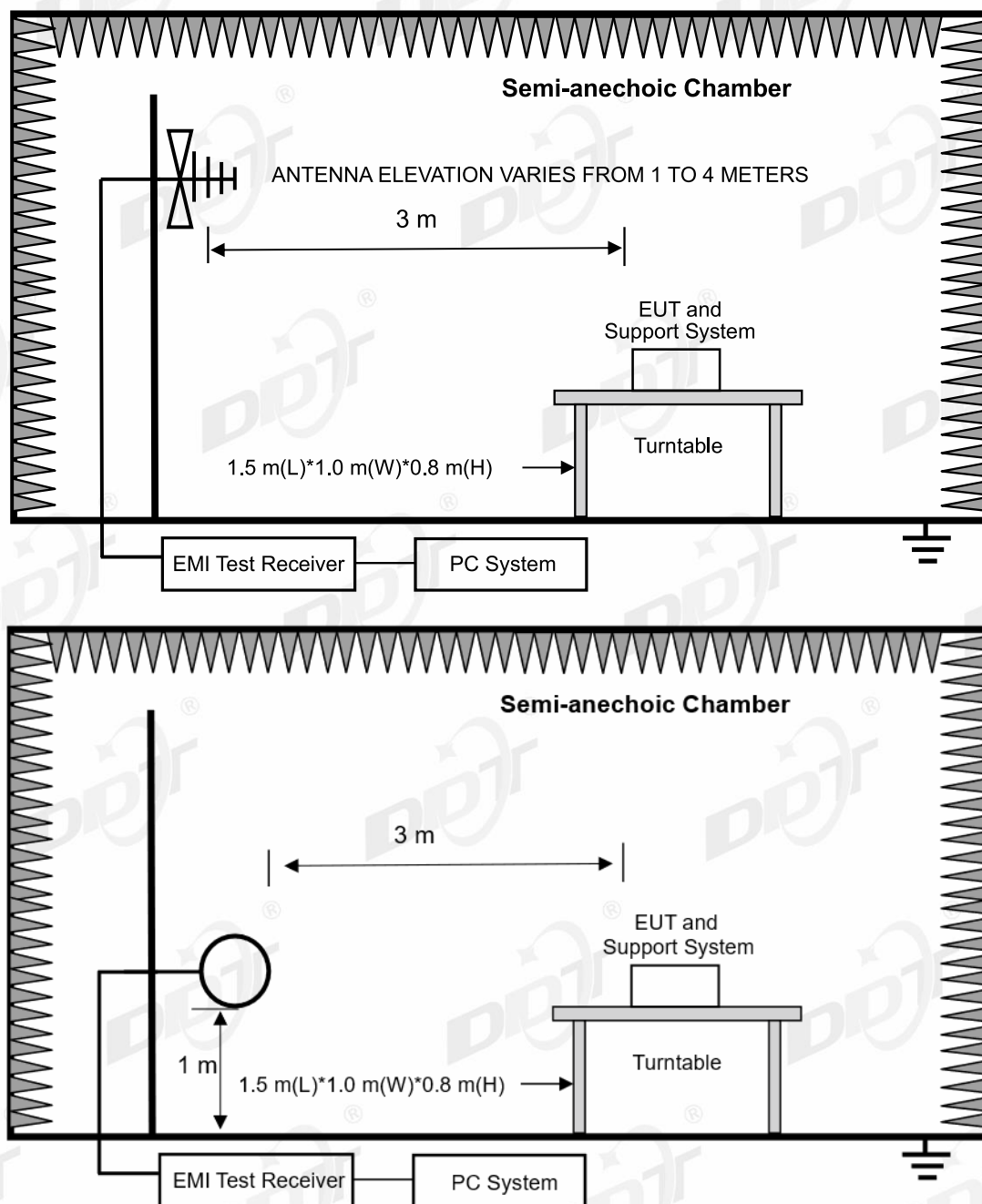


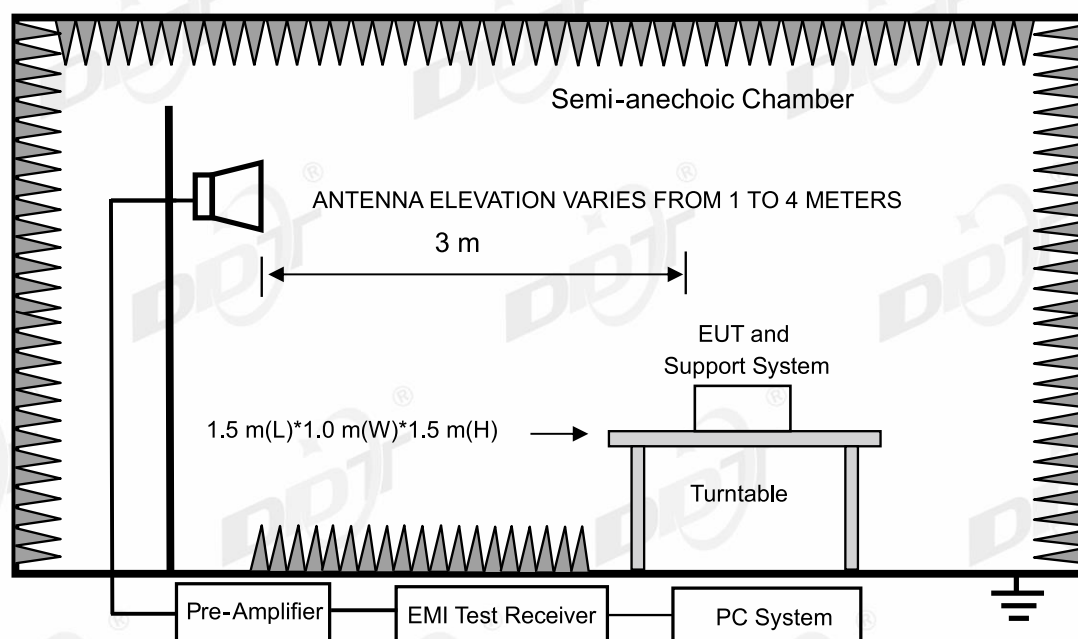
12.Radiated Emission

12.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI TEST RECEIVER	R&S	ESU26	100472	2025/03/31
PSA Series Spectrum Analyzer	Agilent	E4447A	MY50180031	2025/03/31
Active Loop Antenna	Schwarzbeck	FMZB-1519	1519-038	2025/09/10
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	01429	2025/07/11
Double Ridged Horn Antenna	Schwarzbeck	BBHA 9120 D	02468	2024/09/17
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	2025/04/25
Pre-amplifier	COM-POWER	PAM-118A	18040084	2024/07/14
Pre-amplifier	COM-POWER	PAM-840A	461369	2025/03/31
RE Cable	N/A	W23.02 CP1-X2 + W23.09 AP1-X8+ JCT26S-NJ-NJ-1.5M	4.5M+8M+1.5M	2025/03/31
RF Cable	Yuhu	JCTB810-NJ-NJ-9M+ ZT26S-SMAJ-SMAJ-1M	21123964	2025/03/31
Band Reject Filter(2400-2500 MHz)	REBES	BRM50702	G555	N/A
Band Reject Filter(5150-5880 MHz)	REBES	BRM50716	G392	N/A
High Pass Filter(8000-25000 MHz)	XB	XBLBQ-GTA67	210820-2-3	N/A
Test Software	Tonscend	JS32-RE	V 5.0.0.1	N/A
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/04/01
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22

12.2. Block diagram of test setup





12.3. Limits

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

²Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		mV/m	dB(mV)/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
960~1000	3	500	54.0
Above 1000	3	74.0 dB(mV)/m (Peak) 54.0 dB(mV)/m (Average)	

Note:

(1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3\text{m}}(\text{dBuV/m}) = \text{Limit}_{30\text{m}}(\text{dBuV/m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

12.4. Assistant equipment used for test

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

12.5. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

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

(e) Rotated EUT through 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.

(9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

(10) For 30 MHz ~ 25 GHz: (Scan with all mode, the worst case is reported)

(11) For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in worst mode.

12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

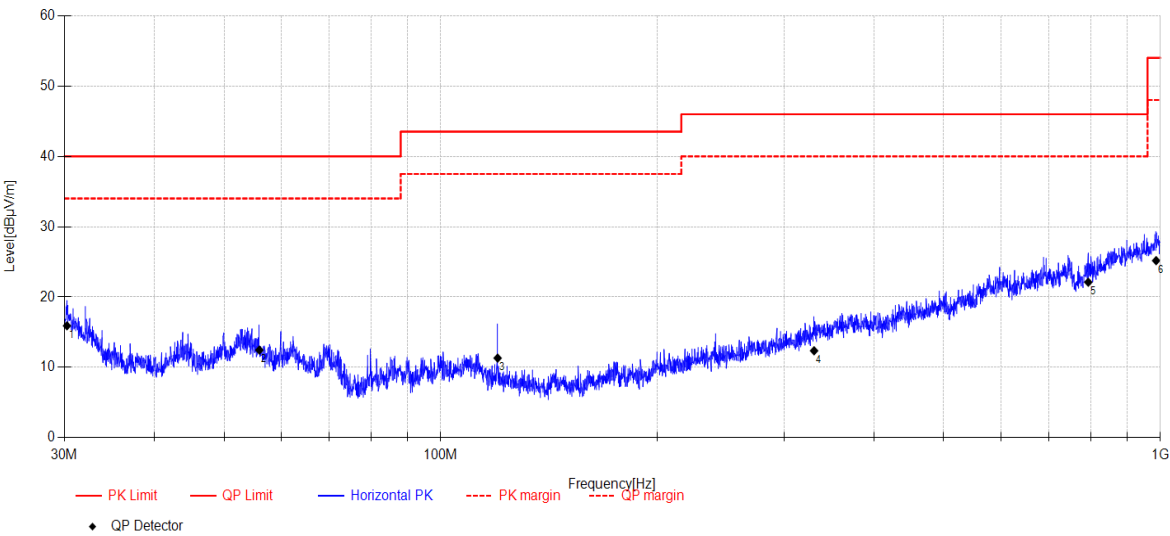
DDT 3# Chamber

File Path:

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Memo:

Right side Sample Number: S24052314-017



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	30.253	32.83	10.33	3.76	-31.00	15.92	40.00	24.08	QP	Horizontal
2	55.994	26.9	12.30	3.93	-30.66	12.47	40.00	27.53	QP	Horizontal
3	119.991	27.84	10.00	4.33	-30.84	11.33	43.50	32.17	QP	Horizontal
4	330.268	22.95	14.32	5.34	-30.24	12.37	46.00	33.63	QP	Horizontal
5	793.989	24.96	20.12	6.93	-29.90	22.11	46.00	23.89	QP	Horizontal
6	986.766	24	21.97	7.43	-28.22	25.18	54.00	28.82	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

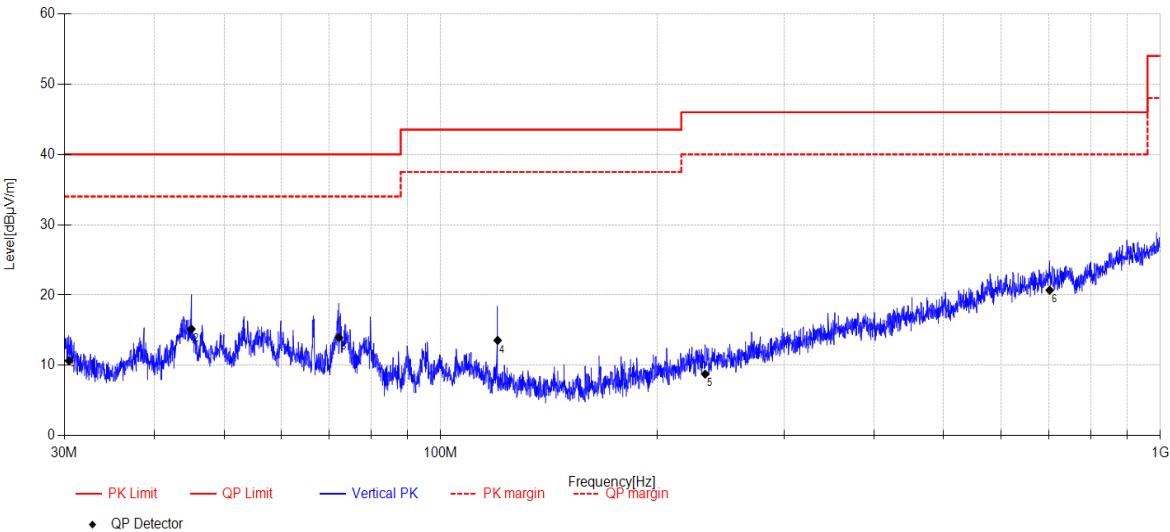
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Memo:

Right side Sample Number: S24052314-017



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	30.445	27.56	10.34	3.76	-30.99	10.67	40.00	29.33	QP	Vertical
2	45.055	28.94	13.15	3.85	-30.77	15.17	40.00	24.83	QP	Vertical
3	72.223	30.96	9.51	4.04	-30.55	13.96	40.00	26.04	QP	Vertical
4	119.991	30.07	10.00	4.33	-30.84	13.56	43.50	29.94	QP	Vertical
5	233.089	22.81	11.55	4.91	-30.50	8.77	46.00	37.23	QP	Vertical
6	701.811	24.25	19.64	6.69	-29.90	20.68	46.00	25.32	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

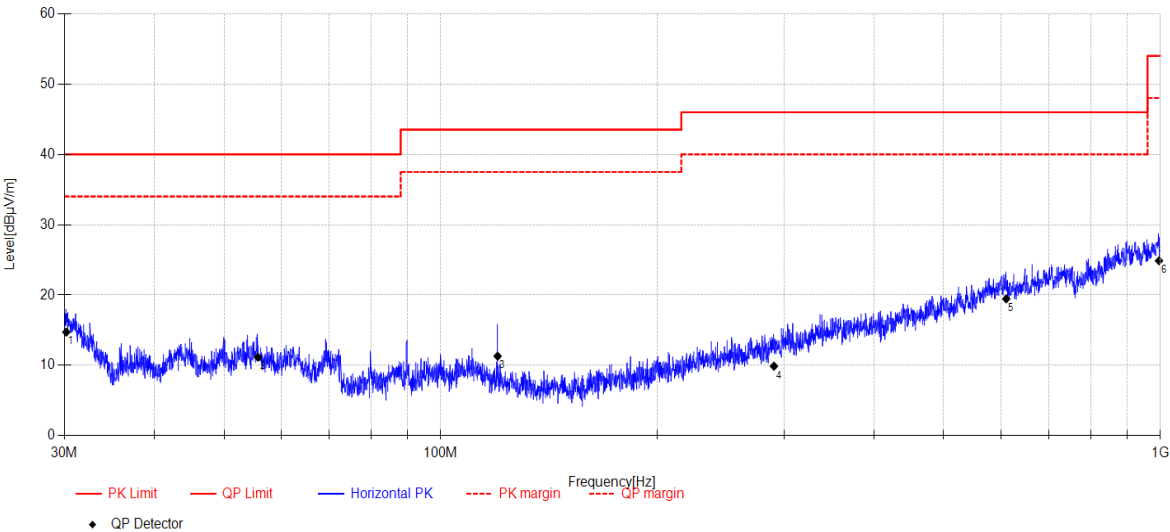
DDT 3# Chamber

File Path:

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Memo:

Right side Sample Number: S24052314-017



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	30.190	31.66	10.32	3.76	-31.00	14.74	40.00	25.26	QP	Horizontal
2	55.720	25.5	12.41	3.93	-30.66	11.18	40.00	28.82	QP	Horizontal
3	119.991	27.82	10.00	4.33	-30.84	11.31	43.50	32.19	QP	Horizontal
4	290.496	21.89	13.15	5.18	-30.33	9.89	46.00	36.11	QP	Horizontal
5	610.838	23.7	19.27	6.40	-29.90	19.47	46.00	26.53	QP	Horizontal
6	995.802	23.12	22.44	7.45	-28.14	24.87	54.00	29.13	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

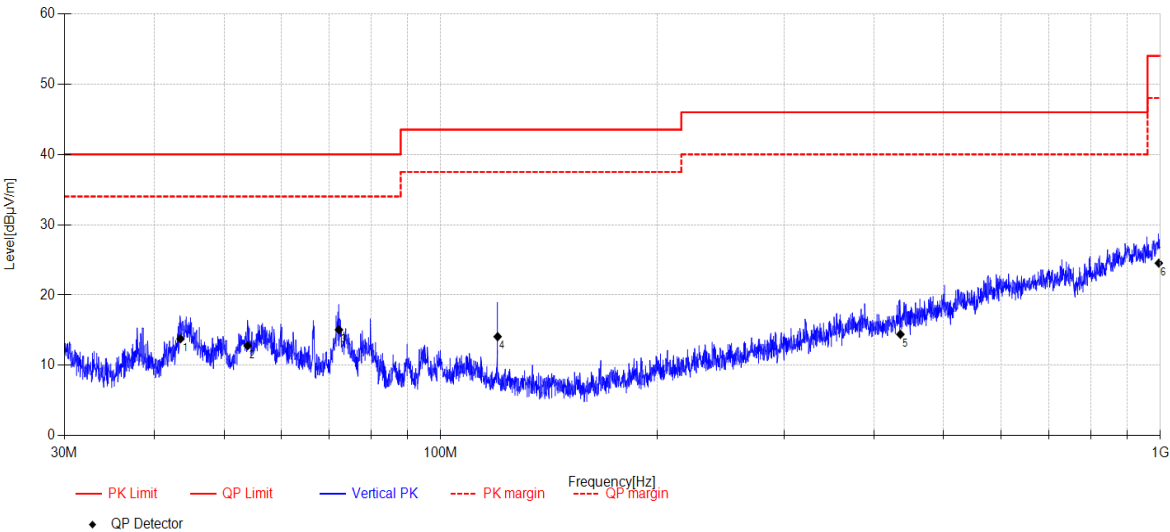
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Memo:

Right side Sample Number: S24052314-017



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	43.502	27.85	12.90	3.84	-30.80	13.79	40.00	26.21	QP	Vertical
2	53.913	27.15	12.41	3.91	-30.67	12.80	40.00	27.20	QP	Vertical
3	72.223	32.07	9.51	4.04	-30.55	15.07	40.00	24.93	QP	Vertical
4	119.991	30.6	10.00	4.33	-30.84	14.09	43.50	29.41	QP	Vertical
5	435.357	22.69	16.01	5.75	-30.03	14.42	46.00	31.58	QP	Vertical
6	995.104	22.65	22.58	7.45	-28.14	24.54	54.00	29.46	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

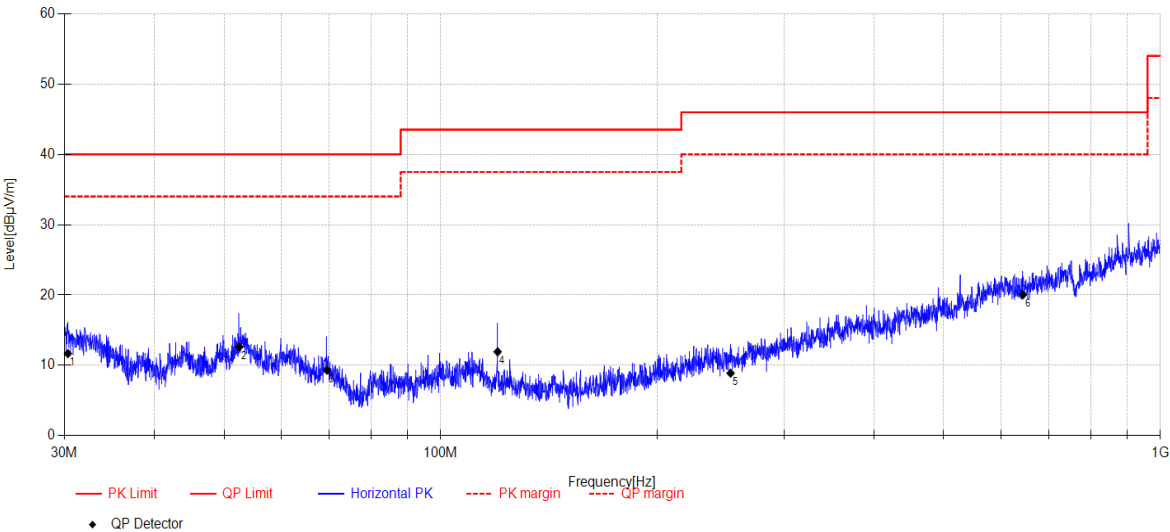
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Memo:

Left side Sample Number: S24052314-017



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	30.338	28.58	10.33	3.76	-30.99	11.68	40.00	28.32	QP	Horizontal
2	52.496	26.16	13.25	3.90	-30.68	12.63	40.00	27.37	QP	Horizontal
3	69.491	25.72	10.16	4.02	-30.57	9.33	40.00	30.67	QP	Horizontal
4	119.991	28.45	10.00	4.33	-30.84	11.94	43.50	31.56	QP	Horizontal
5	252.840	22.58	11.76	5.00	-30.44	8.90	46.00	37.10	QP	Horizontal
6	644.272	24.42	19.01	6.51	-29.90	20.04	46.00	25.96	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

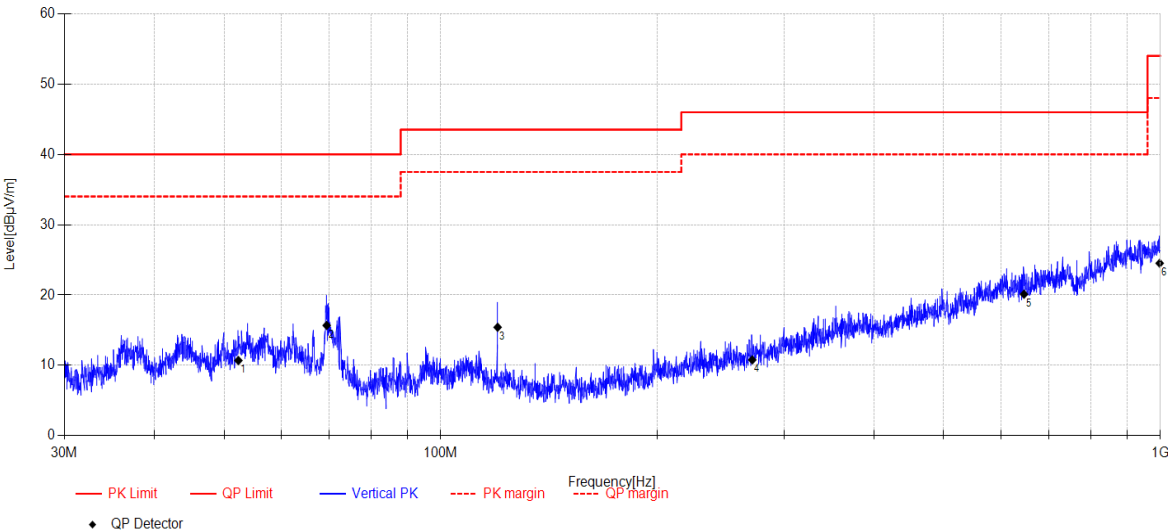
DDT 3# Chamber

File Path:

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Memo:

Left side Sample Number: S24052314-017



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	52.349	24.34	13.14	3.90	-30.68	10.70	40.00	29.30	QP	Vertical
2	69.443	32.05	10.19	4.02	-30.57	15.69	40.00	24.31	QP	Vertical
3	119.991	31.93	10.00	4.33	-30.84	15.42	43.50	28.08	QP	Vertical
4	271.015	23.59	12.50	5.09	-30.39	10.79	46.00	35.21	QP	Vertical
5	646.535	24.31	19.19	6.52	-29.90	20.12	46.00	25.88	QP	Vertical
6	997.899	23.17	22.02	7.45	-28.12	24.52	54.00	29.48	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

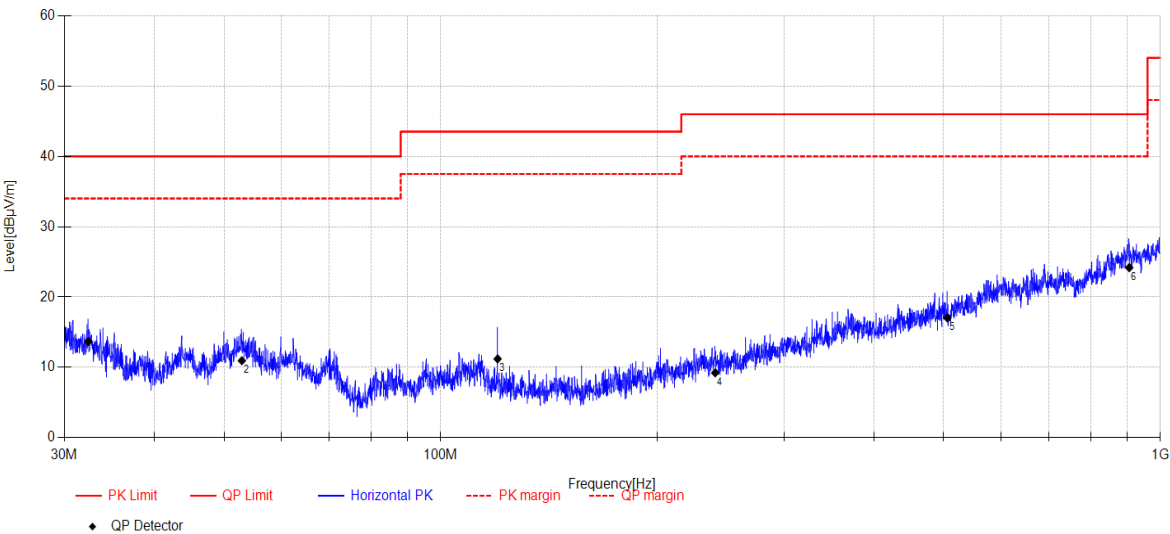
DDT 3# Chamber

File Path:

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Memo:

Left side Sample Number: S24052314-017



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	32.383	30.45	10.41	3.77	-30.96	13.67	40.00	26.33	QP	Horizontal
2	52.939	24.18	13.56	3.90	-30.68	10.96	40.00	29.04	QP	Horizontal
3	119.991	27.72	10.00	4.33	-30.84	11.21	43.50	32.29	QP	Horizontal
4	240.730	23.01	11.76	4.95	-30.48	9.24	46.00	36.76	QP	Horizontal
5	505.838	24.39	16.53	6.02	-29.90	17.04	46.00	28.96	QP	Horizontal
6	905.230	24.04	21.88	7.21	-28.95	24.18	46.00	21.82	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

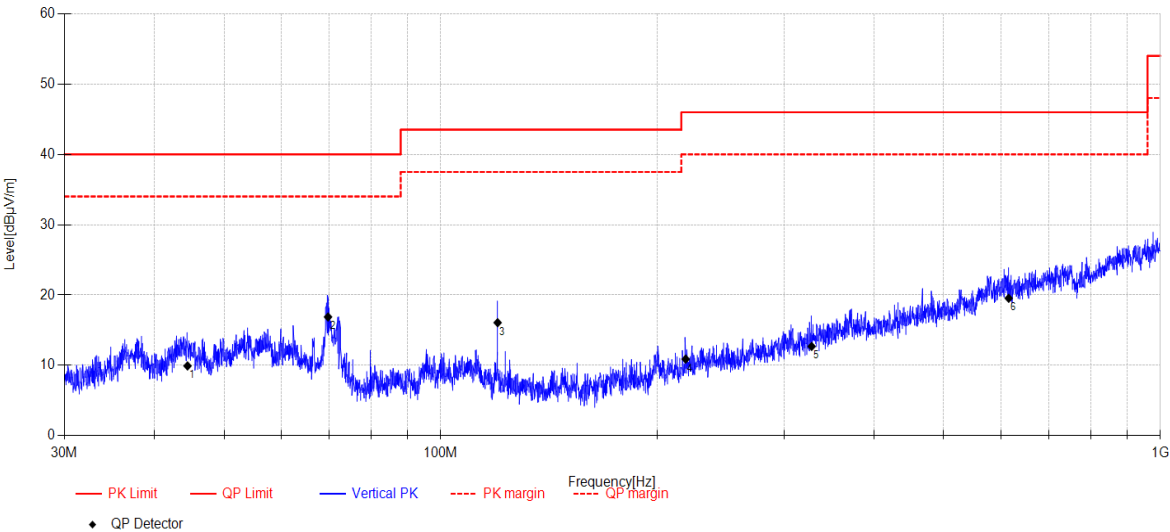
DDT 3# Chamber

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Memo:

Left side Sample Number: S24052314-017



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	44.490	23.76	13.10	3.85	-30.78	9.93	40.00	30.07	QP	Vertical
2	69.735	33.45	9.99	4.02	-30.57	16.89	40.00	23.11	QP	Vertical
3	119.991	32.59	10.00	4.33	-30.84	16.08	43.50	27.42	QP	Vertical
4	218.988	25.65	10.94	4.85	-30.54	10.90	46.00	35.10	QP	Vertical
5	327.731	23.67	13.94	5.33	-30.24	12.70	46.00	33.30	QP	Vertical
6	615.568	24.48	18.55	6.42	-29.90	19.55	46.00	26.45	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

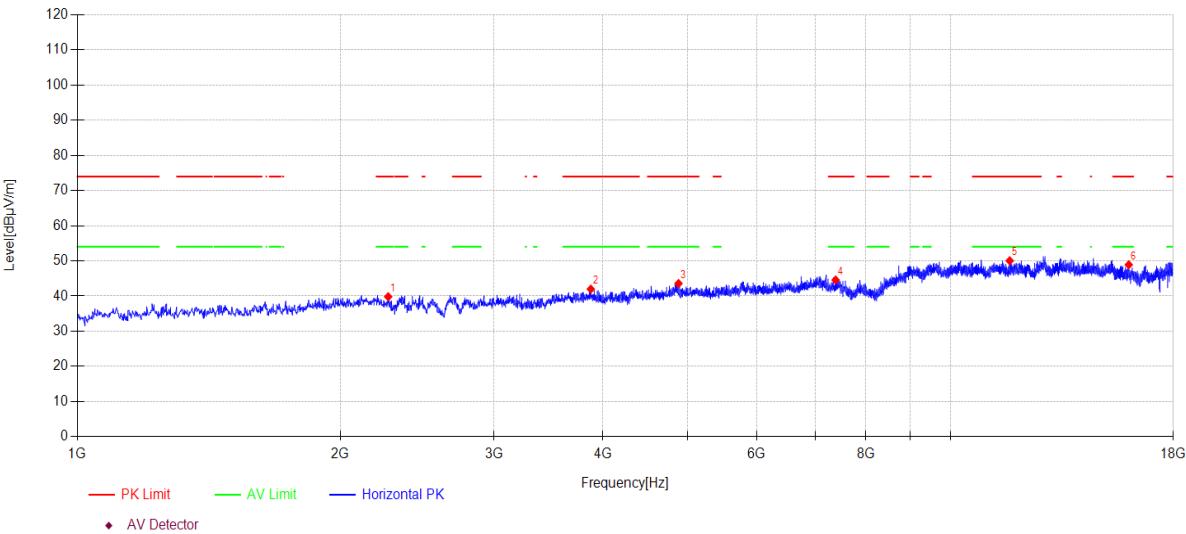
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Memo:

Right side Sample Number: S24052314-017

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	2269.900	45.73	27.10	4.76	-37.77	39.82	74.00	34.18	PK	Horizontal
2	3873.000	46.25	31.04	5.07	-40.37	41.99	74.00	32.01	PK	Horizontal
3	4881.100	44.82	33.30	5.58	-40.12	43.58	74.00	30.42	PK	Horizontal
4	7386.900	42.86	36.73	6.65	-41.67	44.57	74.00	29.43	PK	Horizontal
5	11691.300	41.89	39.00	8.57	-39.41	50.05	74.00	23.95	PK	Horizontal
6	16004.200	40.11	38.00	10.15	-39.36	48.90	74.00	25.10	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

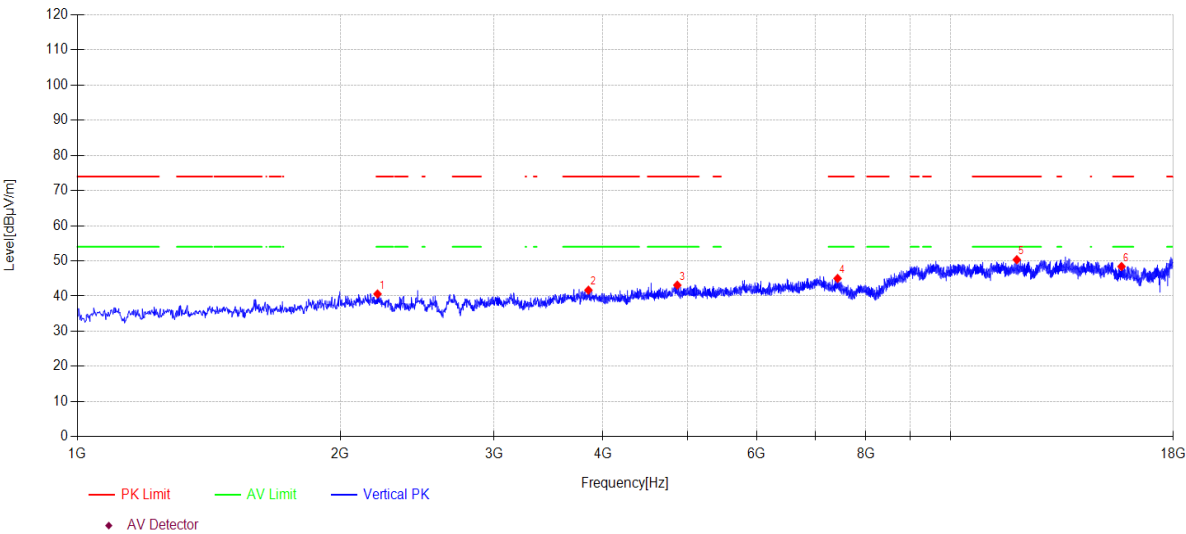
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Memo:

Right side Sample Number: S24052314-017

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	2207.000	45.75	27.73	4.72	-37.60	40.60	74.00	33.40	PK	Vertical
2	3849.200	46.06	30.90	5.08	-40.36	41.68	74.00	32.32	PK	Vertical
3	4865.800	44.11	33.55	5.57	-40.13	43.10	74.00	30.90	PK	Vertical
4	7426.000	43.46	36.65	6.67	-41.77	45.01	74.00	28.99	PK	Vertical
5	11912.300	42.21	38.94	8.70	-39.52	50.33	74.00	23.67	PK	Vertical
6	15701.600	39.13	38.50	9.95	-39.18	48.40	74.00	25.60	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

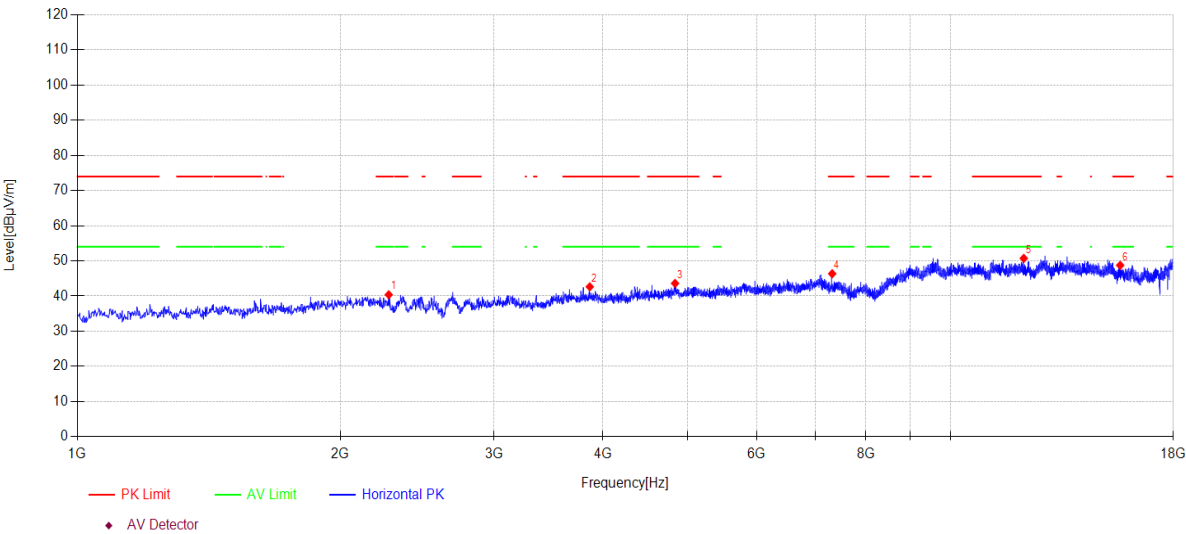
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Memo:

Right side Sample Number: S24052314-017

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	2273.300	46.33	27.07	4.76	-37.78	40.38	74.00	33.62	PK	Horizontal
2	3862.800	46.96	30.98	5.07	-40.37	42.64	74.00	31.36	PK	Horizontal
3	4836.900	44.74	33.46	5.55	-40.14	43.61	74.00	30.39	PK	Horizontal
4	7320.600	44.39	36.86	6.61	-41.50	46.36	74.00	27.64	PK	Horizontal
5	12133.300	42.20	39.30	8.83	-39.61	50.72	74.00	23.28	PK	Horizontal
6	15645.500	39.43	38.55	9.91	-39.15	48.74	74.00	25.26	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

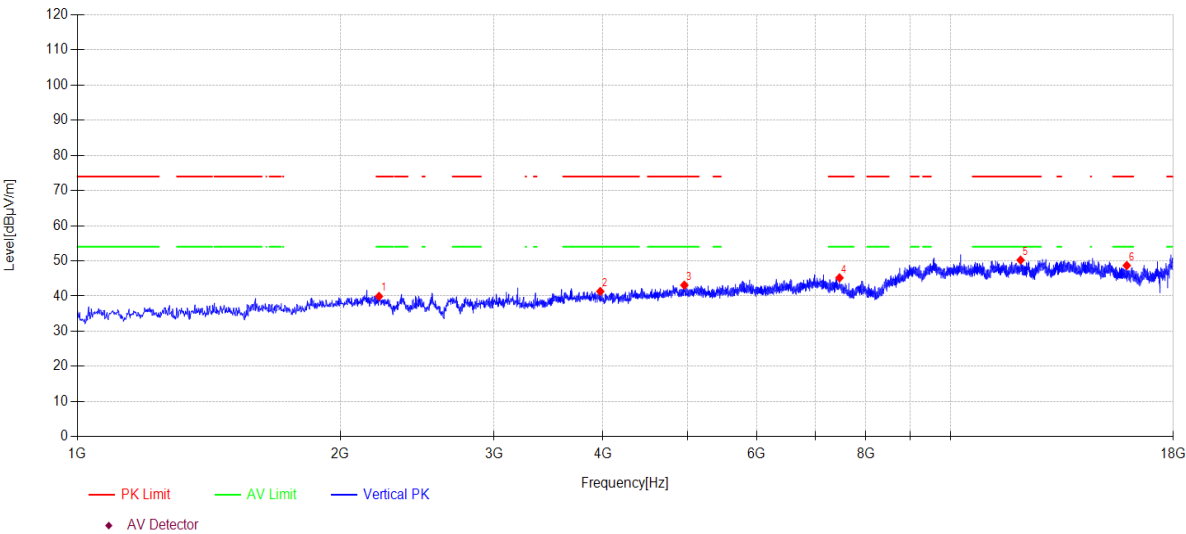
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Memo:

Right side Sample Number: S24052314-017

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	45.16	27.65	4.73	-37.62	39.92	74.00	34.08	PK	Vertical
2	3971.600	45.70	31.01	5.05	-40.43	41.33	74.00	32.67	PK	Vertical
3	4957.600	44.47	33.12	5.62	-40.10	43.11	74.00	30.89	PK	Vertical
4	7463.400	43.78	36.57	6.69	-41.86	45.18	74.00	28.82	PK	Vertical
5	12031.300	41.79	39.23	8.78	-39.57	50.23	74.00	23.77	PK	Vertical
6	15919.200	39.81	38.08	10.10	-39.31	48.68	74.00	25.32	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

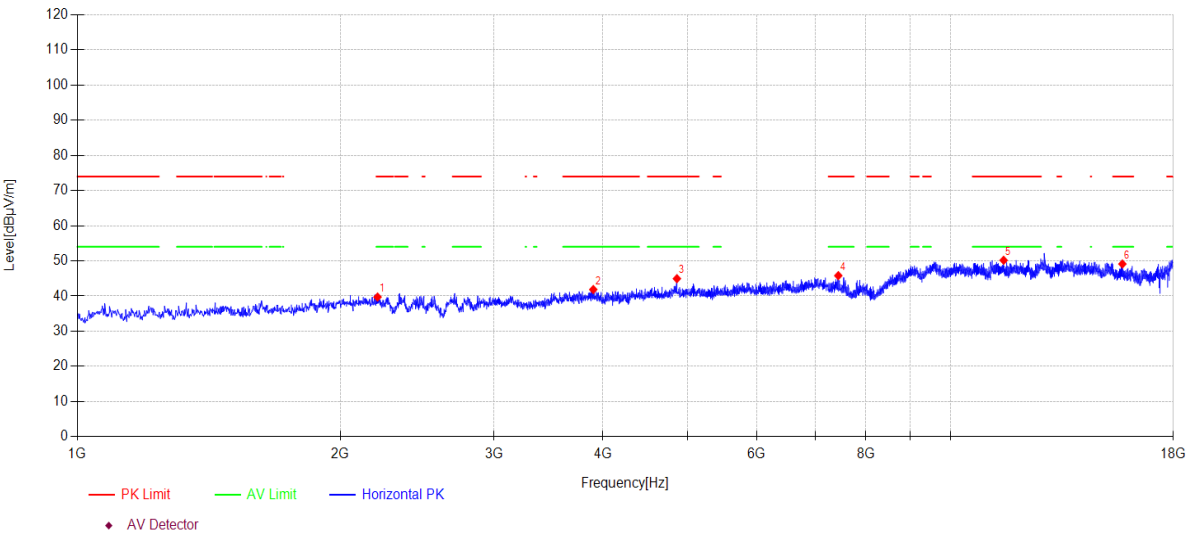
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Memo:

Right side Sample Number: S24052314-017

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	2207.000	44.88	27.73	4.72	-37.60	39.73	74.00	34.27	PK	Horizontal
2	3898.500	45.99	31.19	5.07	-40.39	41.86	74.00	32.14	PK	Horizontal
3	4860.700	45.88	33.63	5.57	-40.13	44.95	74.00	29.05	PK	Horizontal
4	7439.600	44.32	36.62	6.67	-41.80	45.81	74.00	28.19	PK	Horizontal
5	11506.000	41.87	39.19	8.45	-39.33	50.18	74.00	23.82	PK	Horizontal
6	15737.300	39.93	38.43	9.97	-39.20	49.13	74.00	24.87	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

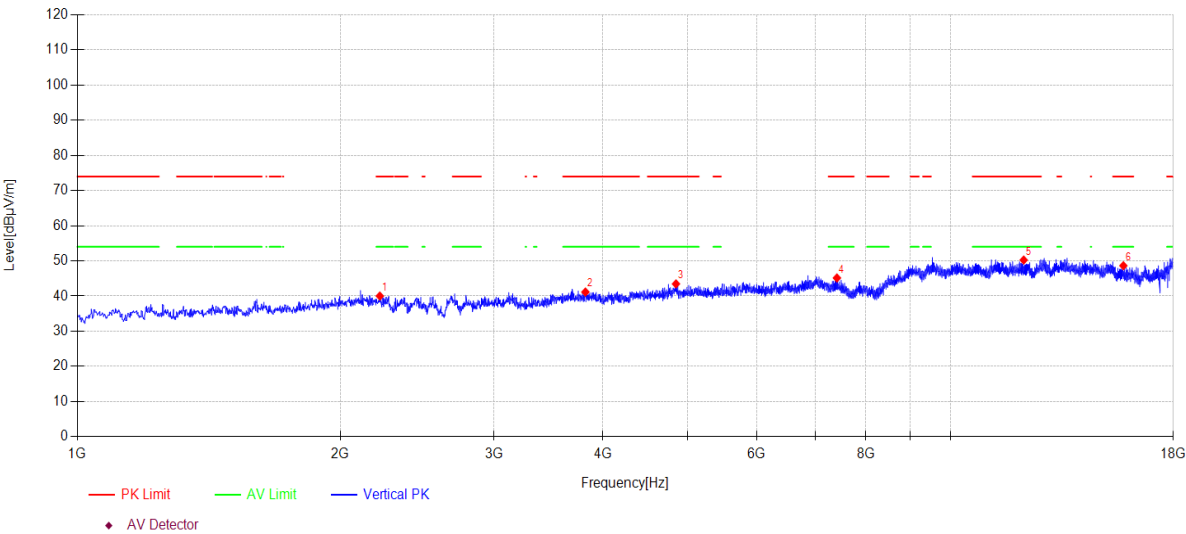
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Memo:

Right side Sample Number: S24052314-017

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	2220.600	45.32	27.59	4.73	-37.63	40.01	74.00	33.99	PK	Vertical
2	3818.600	45.64	30.77	5.08	-40.34	41.15	74.00	32.85	PK	Vertical
3	4848.800	44.28	33.77	5.56	-40.14	43.47	74.00	30.53	PK	Vertical
4	7412.400	43.54	36.68	6.66	-41.73	45.15	74.00	28.85	PK	Vertical
5	12131.600	41.73	39.30	8.83	-39.61	50.25	74.00	23.75	PK	Vertical
6	15778.100	39.52	38.34	10.00	-39.23	48.63	74.00	25.37	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

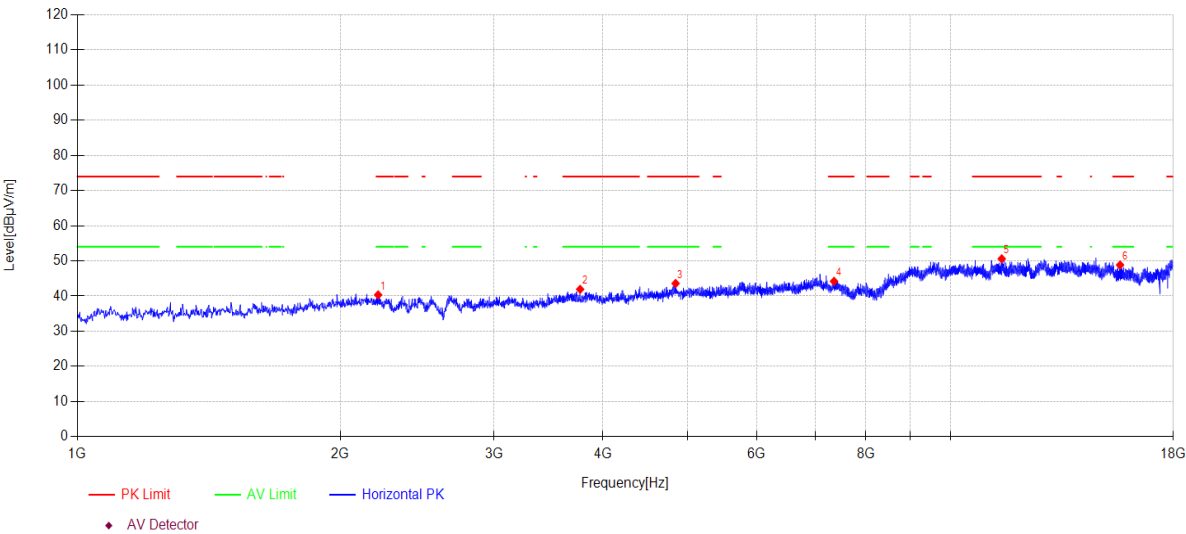
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Memo:

Right side Sample Number: S24052314-017

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	2210.400	45.53	27.70	4.72	-37.61	40.34	74.00	33.66	PK	Horizontal
2	3765.900	46.59	30.56	5.09	-40.31	41.93	74.00	32.07	PK	Horizontal
3	4843.700	44.53	33.64	5.56	-40.14	43.59	74.00	30.41	PK	Horizontal
4	7356.300	42.38	36.79	6.63	-41.59	44.21	74.00	29.79	PK	Horizontal
5	11446.500	42.24	39.25	8.41	-39.30	50.60	74.00	23.40	PK	Horizontal
6	15642.100	39.52	38.56	9.91	-39.15	48.84	74.00	25.16	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

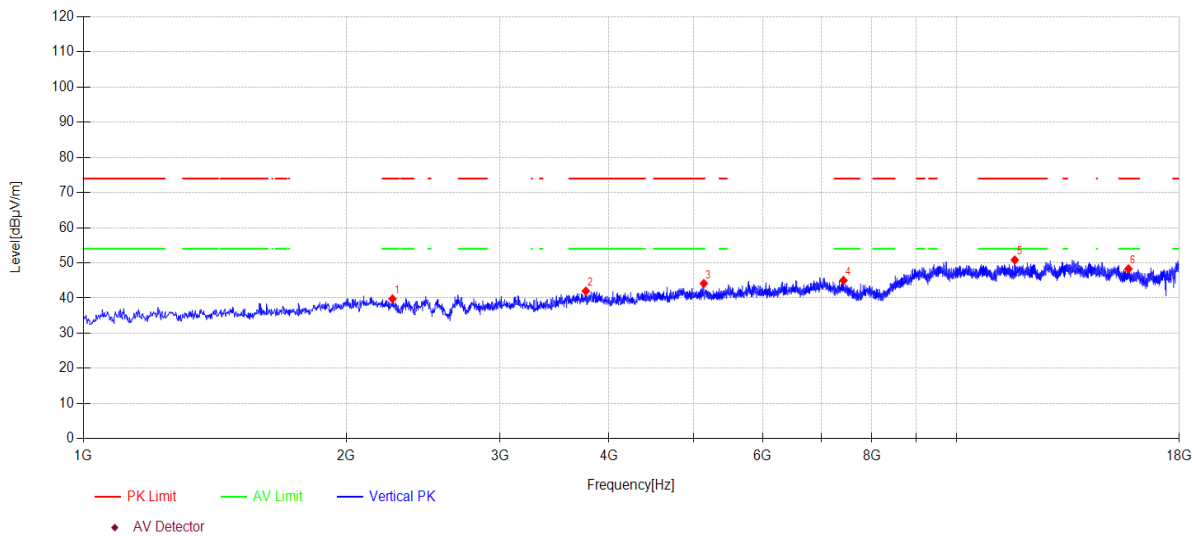
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Memo:

Right side Sample Number: S24052314-017

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	2259.700	45.57	27.20	4.75	-37.74	39.78	74.00	34.22	PK	Vertical
2	3762.500	46.67	30.55	5.09	-40.31	42.00	74.00	32.00	PK	Vertical
3	5136.100	45.10	33.40	5.72	-40.06	44.16	74.00	29.84	PK	Vertical
4	7422.600	43.48	36.65	6.66	-41.76	45.03	74.00	28.97	PK	Vertical
5	11662.400	42.68	39.00	8.55	-39.40	50.83	74.00	23.17	PK	Vertical
6	15739.000	39.10	38.42	9.98	-39.20	48.30	74.00	25.70	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

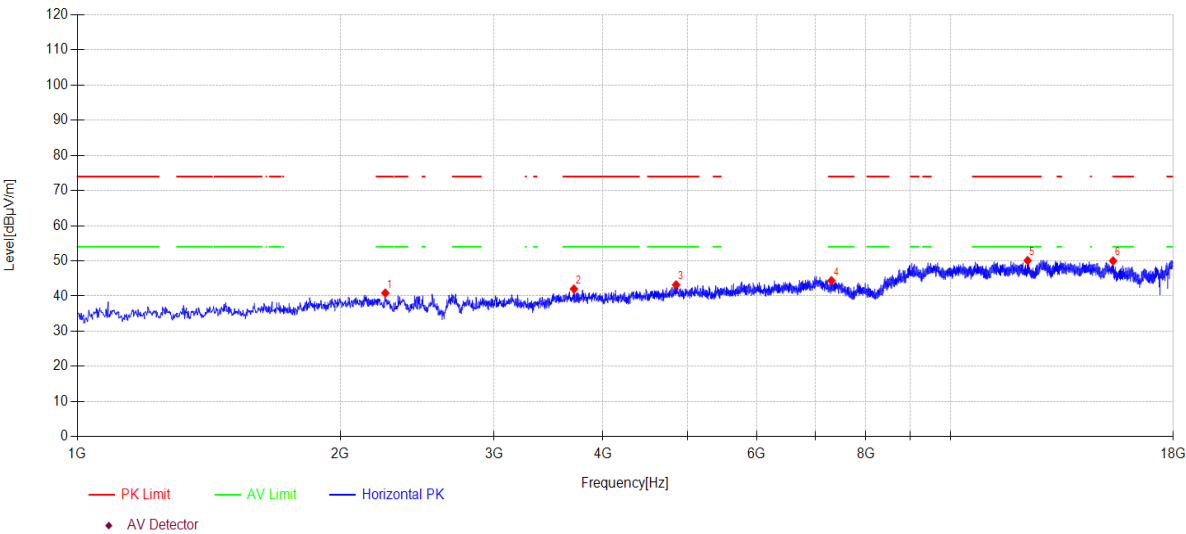
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Memo:

Right side Sample Number: S24052314-017

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	2252.900	46.59	27.27	4.75	-37.73	40.88	74.00	33.12	PK	Horizontal
2	3704.700	46.78	30.41	5.10	-40.27	42.02	74.00	31.98	PK	Horizontal
3	4850.500	43.99	33.79	5.56	-40.14	43.20	74.00	30.80	PK	Horizontal
4	7307.000	42.37	36.89	6.60	-41.47	44.39	74.00	29.61	PK	Horizontal
5	12257.400	41.58	39.30	8.89	-39.66	50.11	74.00	23.89	PK	Horizontal
6	15354.800	39.91	39.36	9.72	-38.97	50.02	74.00	23.98	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

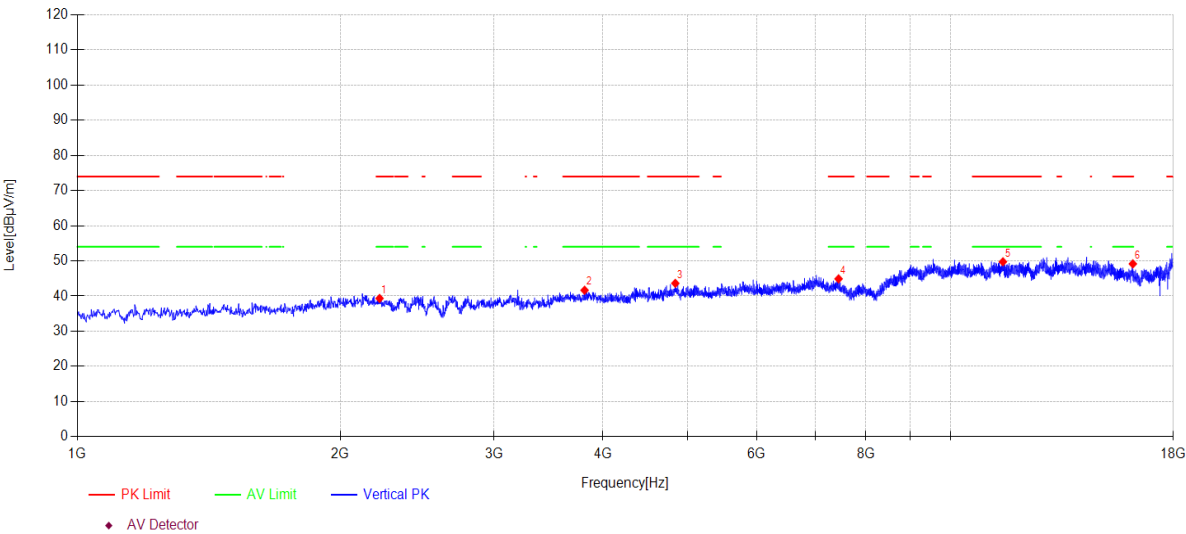
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Memo:

Right side Sample Number: S24052314-017

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	2218.900	44.63	27.61	4.73	-37.63	39.34	74.00	34.66	PK	Vertical
2	3810.100	46.17	30.74	5.08	-40.33	41.66	74.00	32.34	PK	Vertical
3	4840.300	44.66	33.55	5.55	-40.14	43.62	74.00	30.38	PK	Vertical
4	7444.700	43.42	36.61	6.68	-41.81	44.90	74.00	29.10	PK	Vertical
5	11483.900	41.42	39.22	8.43	-39.32	49.75	74.00	24.25	PK	Vertical
6	16177.600	40.65	37.82	10.19	-39.50	49.16	74.00	24.84	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

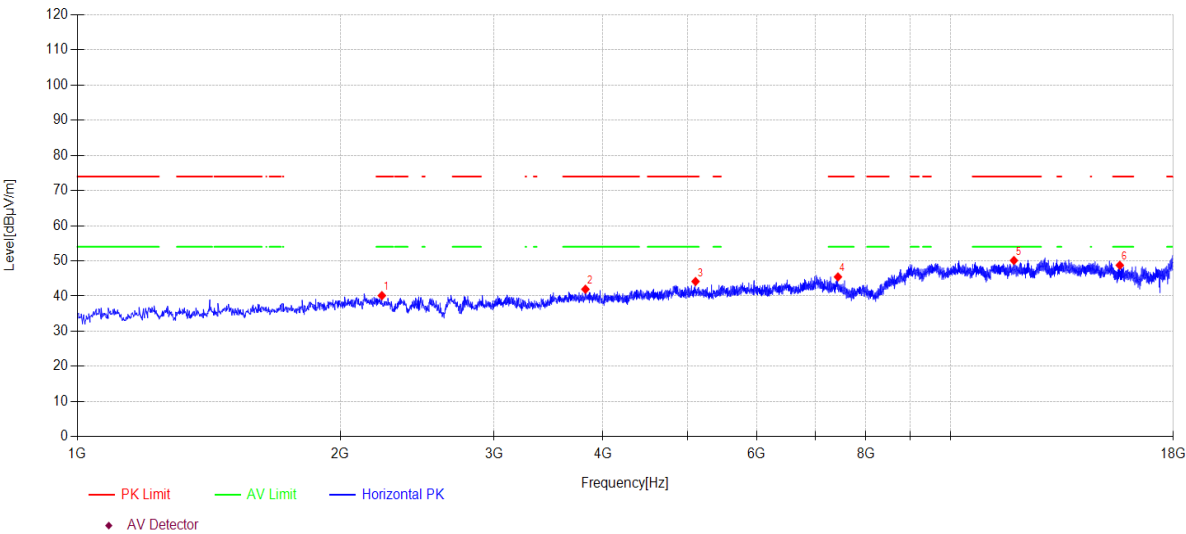
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Memo:

Right side Sample Number: S24052314-017

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	2232.500	45.58	27.48	4.74	-37.67	40.13	74.00	33.87	PK	Horizontal
2	3818.600	46.43	30.77	5.08	-40.34	41.94	74.00	32.06	PK	Horizontal
3	5105.500	45.11	33.40	5.71	-40.07	44.15	74.00	29.85	PK	Horizontal
4	7432.800	43.94	36.63	6.67	-41.78	45.46	74.00	28.54	PK	Horizontal
5	11822.200	42.06	38.90	8.65	-39.48	50.13	74.00	23.87	PK	Horizontal
6	15630.200	39.42	38.57	9.90	-39.14	48.75	74.00	25.25	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

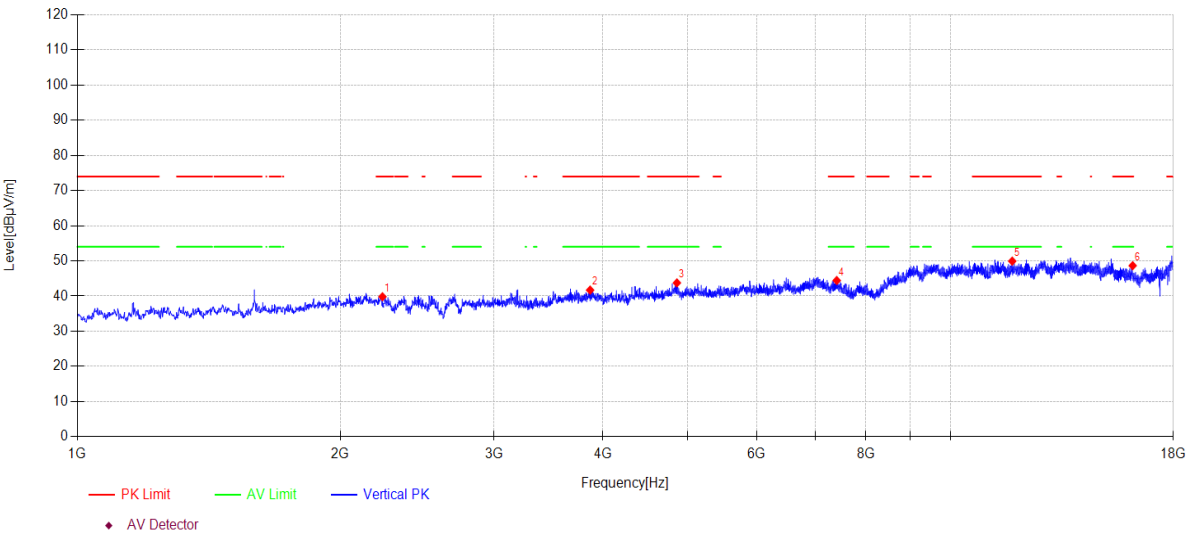
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Memo:

Right side Sample Number: S24052314-017

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	2235.900	45.31	27.44	4.74	-37.68	39.81	74.00	34.19	PK	Vertical
2	3866.200	46.00	31.00	5.07	-40.37	41.70	74.00	32.30	PK	Vertical
3	4860.700	44.68	33.63	5.57	-40.13	43.75	74.00	30.25	PK	Vertical
4	7409.000	42.81	36.68	6.66	-41.72	44.43	74.00	29.57	PK	Vertical
5	11769.500	41.85	38.93	8.61	-39.45	49.94	74.00	24.06	PK	Vertical
6	16169.100	40.12	37.83	10.19	-39.50	48.64	74.00	25.36	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

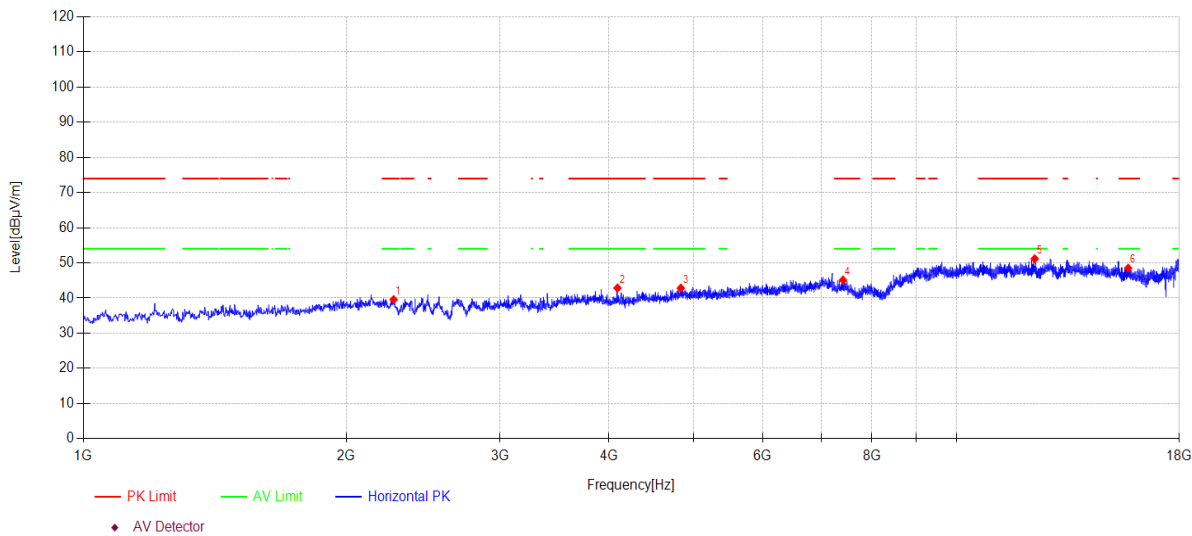
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Memo:

Left side Sample Number: S24052314-017

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	45.42	27.14	4.76	-37.76	39.56	74.00	34.44	PK	Horizontal
2	4090.600	47.09	31.08	5.10	-40.42	42.85	74.00	31.15	PK	Horizontal
3	4833.500	44.06	33.37	5.55	-40.14	42.84	74.00	31.16	PK	Horizontal
4	7414.100	43.53	36.67	6.66	-41.74	45.12	74.00	28.88	PK	Horizontal
5	12291.400	42.63	39.30	8.91	-39.67	51.17	74.00	22.83	PK	Horizontal
6	15727.100	39.27	38.45	9.97	-39.20	48.49	74.00	25.51	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

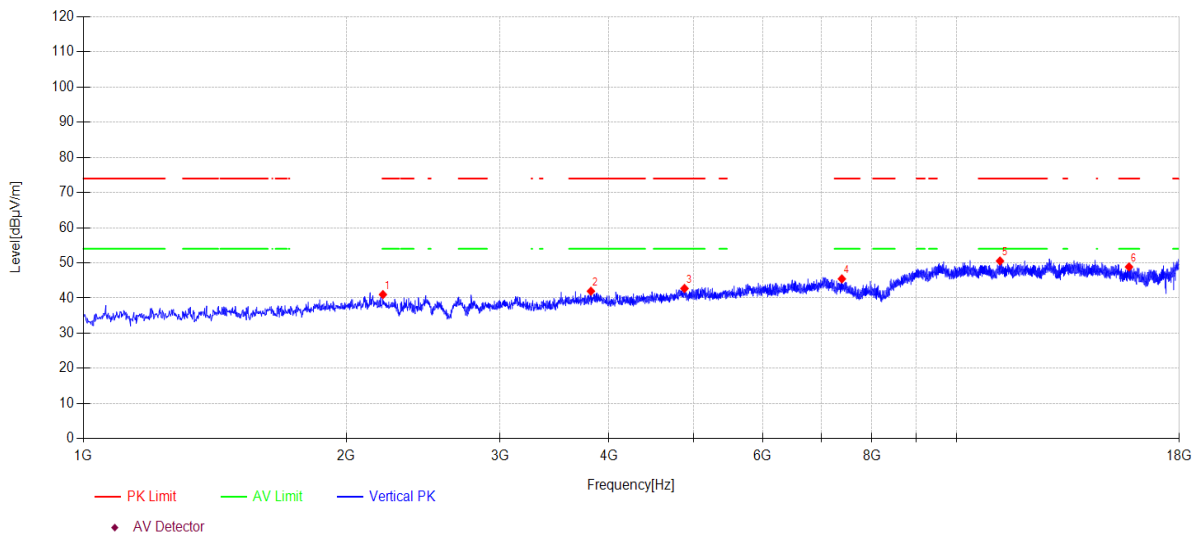
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Memo:

Left side Sample Number: S24052314-017

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	2203.600	46.11	27.76	4.72	-37.59	41.00	74.00	33.00	PK	Vertical
2	3813.500	46.47	30.75	5.08	-40.34	41.96	74.00	32.04	PK	Vertical
3	4881.100	43.97	33.30	5.58	-40.12	42.73	74.00	31.27	PK	Vertical
4	7392.000	43.77	36.72	6.65	-41.68	45.46	74.00	28.54	PK	Vertical
5	11217.000	42.26	39.20	8.27	-39.19	50.54	74.00	23.46	PK	Vertical
6	15762.800	39.72	38.37	9.99	-39.22	48.86	74.00	25.14	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

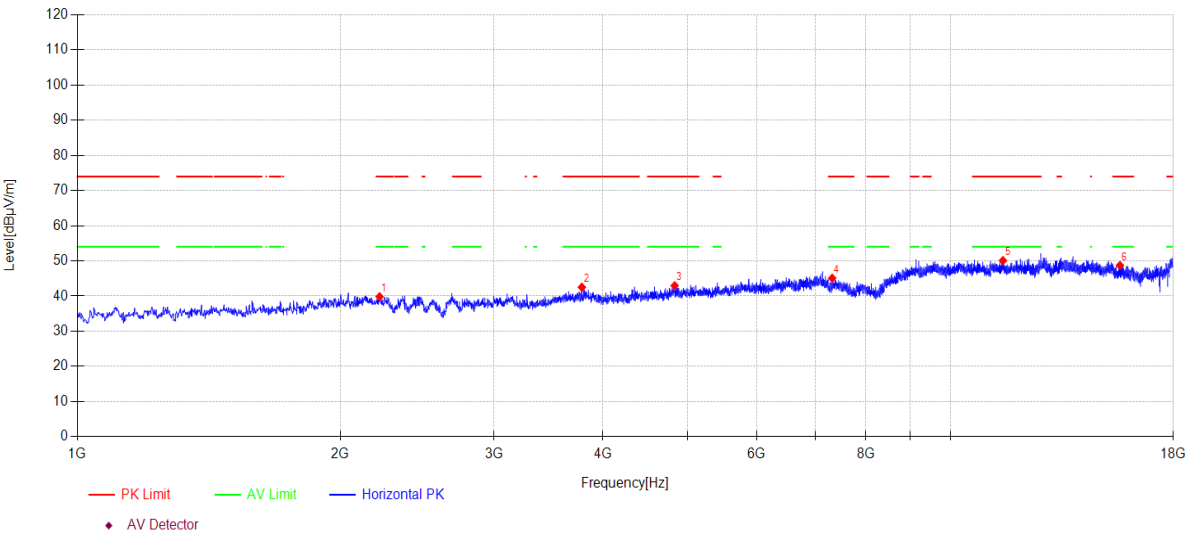
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Memo:

Left side Sample Number: S24052314-017

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	2218.900	45.14	27.61	4.73	-37.63	39.85	74.00	34.15	PK	Horizontal
2	3782.900	47.12	30.63	5.09	-40.32	42.52	74.00	31.48	PK	Horizontal
3	4831.800	44.22	33.33	5.55	-40.14	42.96	74.00	31.04	PK	Horizontal
4	7320.600	43.12	36.86	6.61	-41.50	45.09	74.00	28.91	PK	Horizontal
5	11485.600	41.77	39.21	8.44	-39.32	50.10	74.00	23.90	PK	Horizontal
6	15637.000	39.39	38.56	9.91	-39.14	48.72	74.00	25.28	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

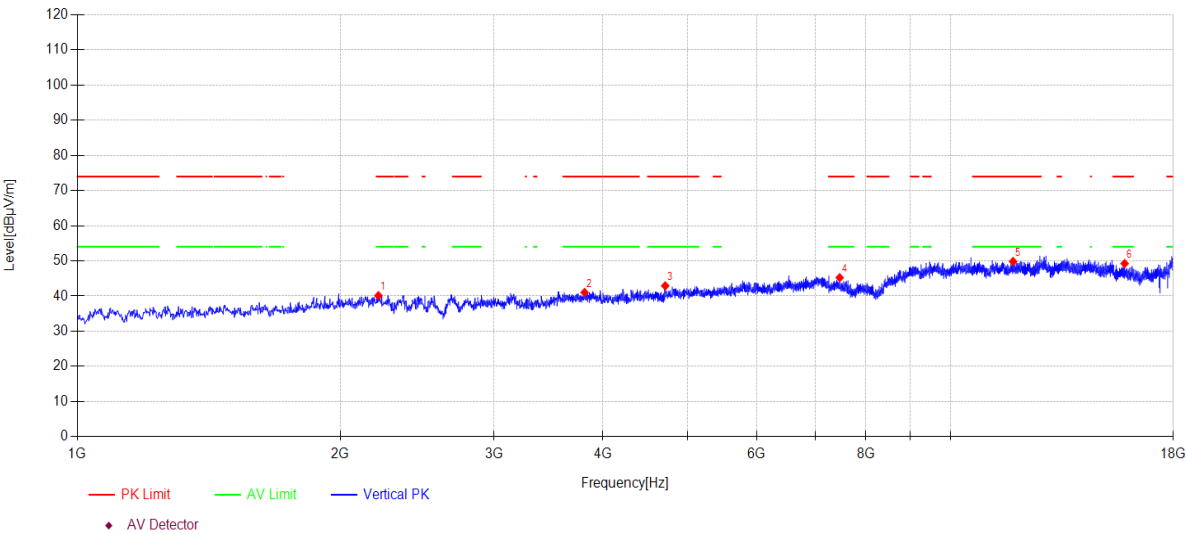
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Memo:

Left side Sample Number: S24052314-017

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	2212.100	45.34	27.68	4.72	-37.61	40.13	74.00	33.87	PK	Vertical
2	3810.100	45.55	30.74	5.08	-40.33	41.04	74.00	32.96	PK	Vertical
3	4712.800	45.40	32.23	5.48	-40.19	42.92	74.00	31.08	PK	Vertical
4	7466.800	43.85	36.57	6.69	-41.87	45.24	74.00	28.76	PK	Vertical
5	11795.000	41.76	38.91	8.63	-39.46	49.84	74.00	24.16	PK	Vertical
6	15829.100	40.23	38.24	10.04	-39.26	49.25	74.00	24.75	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

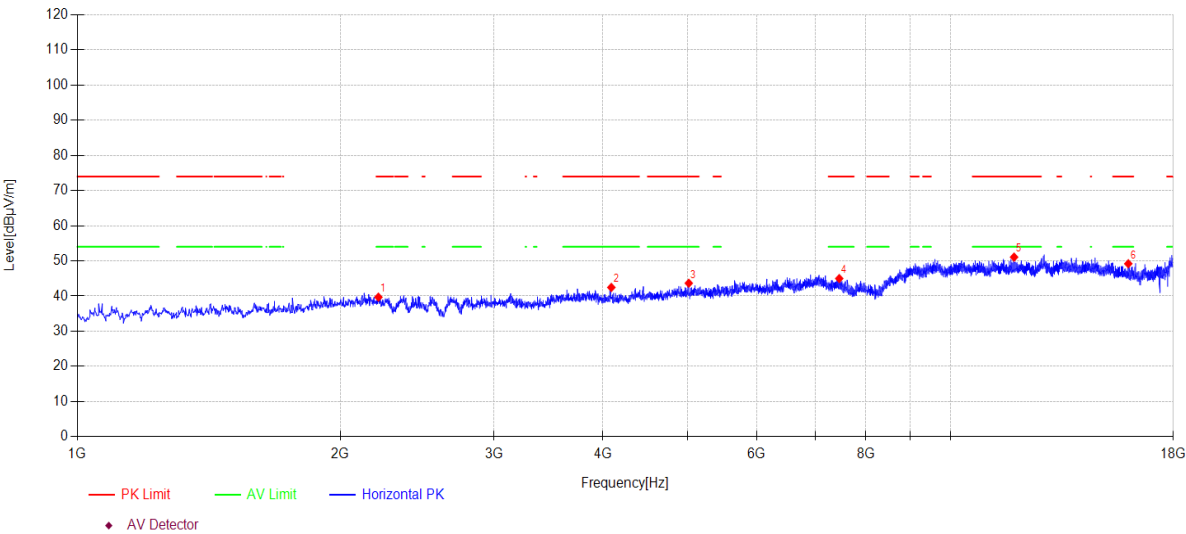
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Memo:

Left side Sample Number: S24052314-017

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	2212.100	44.91	27.68	4.72	-37.61	39.70	74.00	34.30	PK	Horizontal
2	4088.900	46.70	31.08	5.10	-40.42	42.46	74.00	31.54	PK	Horizontal
3	5015.400	44.86	33.23	5.66	-40.08	43.67	74.00	30.33	PK	Horizontal
4	7458.300	43.59	36.58	6.68	-41.85	45.00	74.00	29.00	PK	Horizontal
5	11827.300	43.01	38.90	8.65	-39.48	51.08	74.00	22.92	PK	Horizontal
6	15983.800	40.39	38.02	10.14	-39.35	49.20	74.00	24.80	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

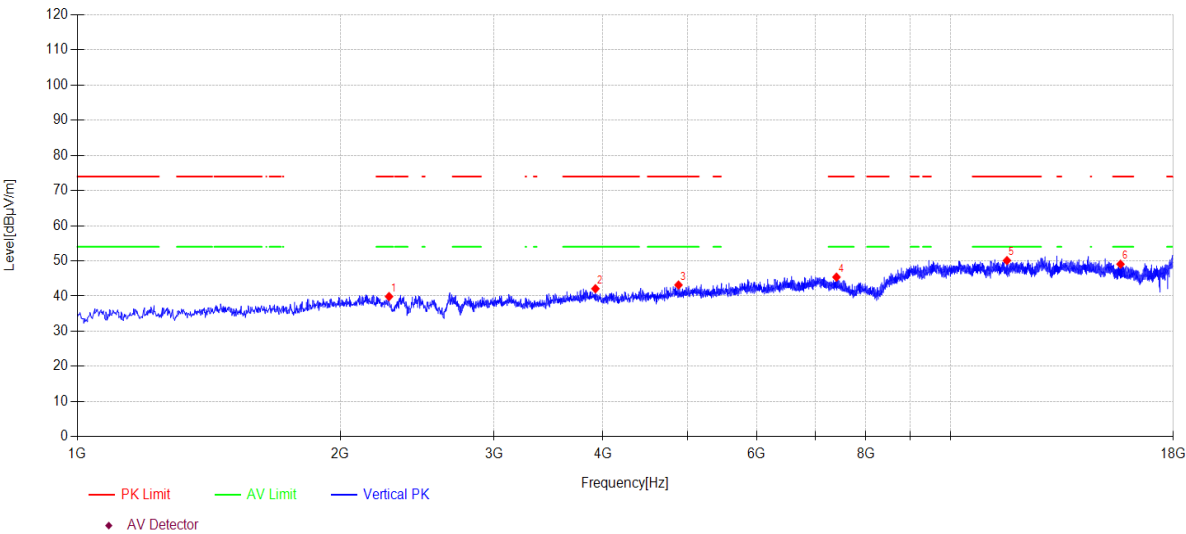
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Memo:

Left side Sample Number: S24052314-017

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	45.85	27.05	4.76	-37.79	39.87	74.00	34.13	PK	Vertical
2	3920.600	46.28	31.16	5.06	-40.40	42.10	74.00	31.90	PK	Vertical
3	4881.100	44.39	33.30	5.58	-40.12	43.15	74.00	30.85	PK	Vertical
4	7403.900	43.76	36.69	6.65	-41.71	45.39	74.00	28.61	PK	Vertical
5	11606.300	41.96	39.00	8.51	-39.37	50.10	74.00	23.90	PK	Vertical
6	15659.100	39.77	38.54	9.92	-39.16	49.07	74.00	24.93	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

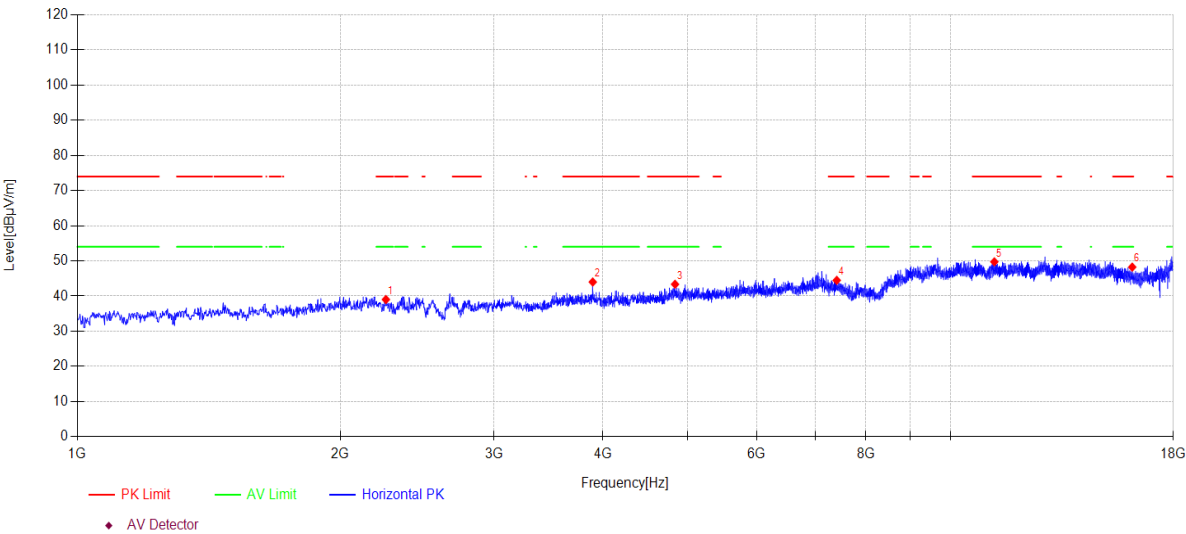
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Memo:

Left side Sample Number: S24052314-017

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	2256.300	44.78	27.24	4.75	-37.74	39.03	74.00	34.97	PK	Horizontal
2	3893.400	48.15	31.16	5.07	-40.38	44.00	74.00	30.00	PK	Horizontal
3	4836.900	44.48	33.46	5.55	-40.14	43.35	74.00	30.65	PK	Horizontal
4	7409.000	42.86	36.68	6.66	-41.72	44.48	74.00	29.52	PK	Horizontal
5	11227.200	41.47	39.20	8.27	-39.20	49.74	74.00	24.26	PK	Horizontal
6	16152.100	39.69	37.85	10.18	-39.48	48.24	74.00	25.76	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

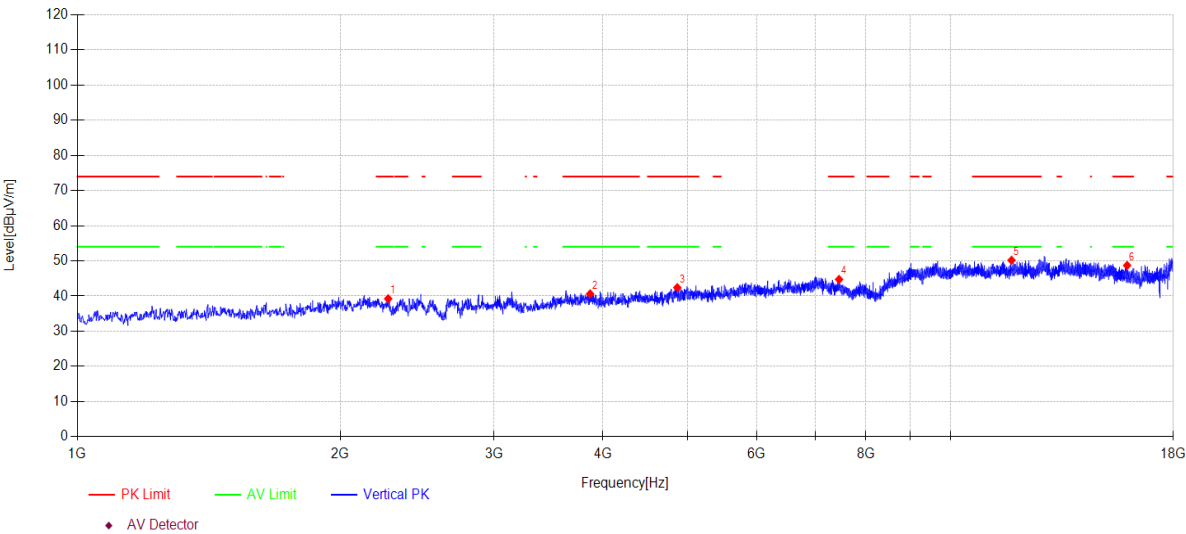
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Memo:

Left side Sample Number: S24052314-017

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	2269.900	45.15	27.10	4.76	-37.77	39.24	74.00	34.76	PK	Vertical
2	3866.200	44.92	31.00	5.07	-40.37	40.62	74.00	33.38	PK	Vertical
3	4865.800	43.41	33.55	5.57	-40.13	42.40	74.00	31.60	PK	Vertical
4	7454.900	43.30	36.59	6.68	-41.84	44.73	74.00	29.27	PK	Vertical
5	11747.400	42.07	38.95	8.60	-39.44	50.18	74.00	23.82	PK	Vertical
6	15934.500	39.85	38.07	10.11	-39.32	48.71	74.00	25.29	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

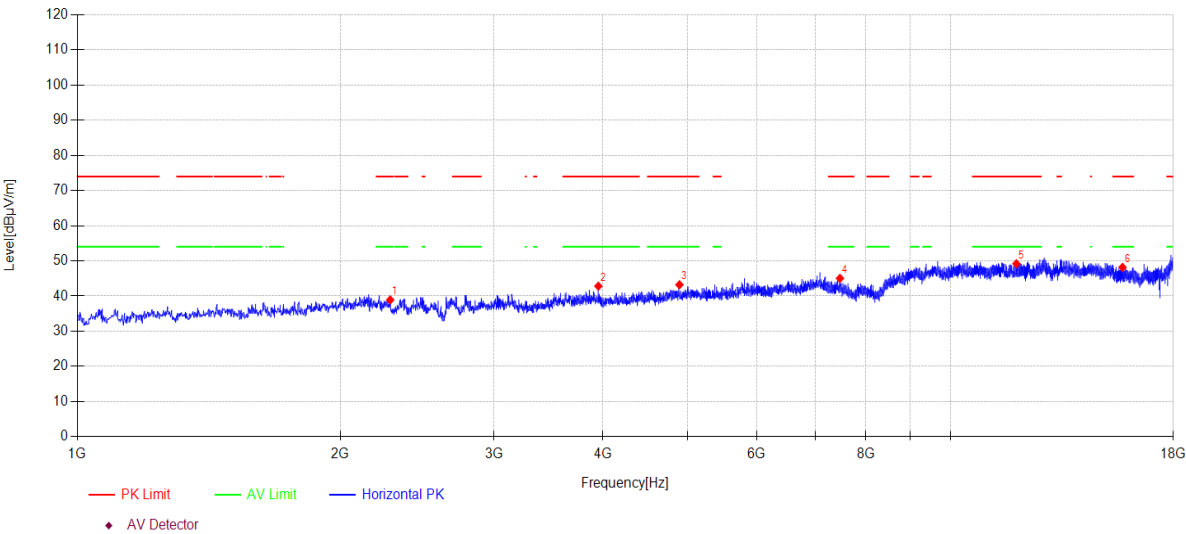
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Memo:

Left side Sample Number: S24052314-017

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	2281.800	44.98	26.98	4.77	-37.81	38.92	74.00	35.08	PK	Horizontal
2	3951.200	47.09	31.10	5.06	-40.42	42.83	74.00	31.17	PK	Horizontal
3	4893.000	44.64	33.11	5.59	-40.12	43.22	74.00	30.78	PK	Horizontal
4	7471.900	43.67	36.56	6.69	-41.88	45.04	74.00	28.96	PK	Horizontal
5	11900.400	41.11	38.90	8.70	-39.51	49.20	74.00	24.80	PK	Horizontal
6	15740.700	38.96	38.42	9.98	-39.20	48.16	74.00	25.84	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2440MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

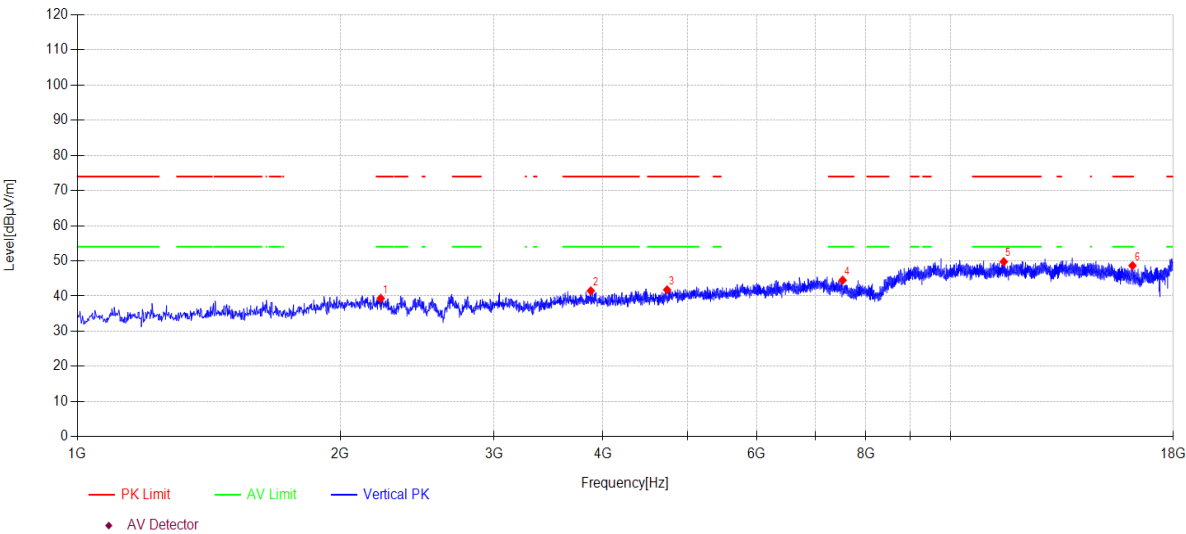
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Memo:

Left side Sample Number: S24052314-017

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	2225.700	44.72	27.54	4.73	-37.65	39.34	74.00	34.66	PK	Vertical
2	3873.000	45.73	31.04	5.07	-40.37	41.47	74.00	32.53	PK	Vertical
3	4736.600	44.20	32.27	5.49	-40.18	41.78	74.00	32.22	PK	Vertical
4	7524.600	43.35	36.45	6.72	-42.01	44.51	74.00	29.49	PK	Vertical
5	11507.700	41.46	39.18	8.45	-39.33	49.76	74.00	24.24	PK	Vertical
6	16162.300	40.12	37.84	10.18	-39.49	48.65	74.00	25.35	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

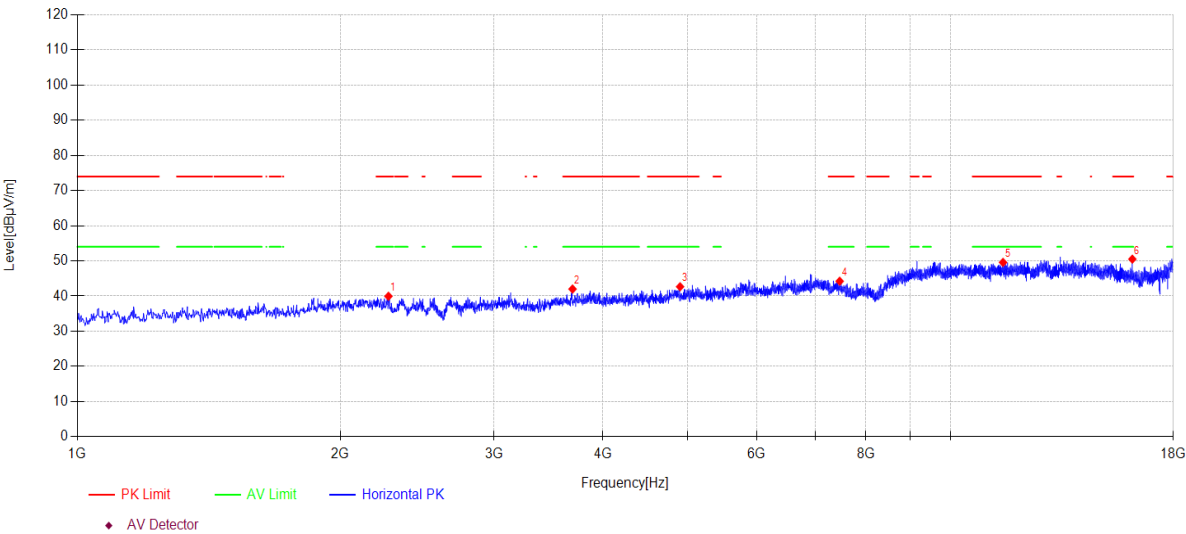
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Memo:

Left side Sample Number: S24052314-017

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	2271.600	45.89	27.08	4.76	-37.78	39.95	74.00	34.05	PK	Horizontal
2	3691.100	46.80	30.36	5.10	-40.26	42.00	74.00	32.00	PK	Horizontal
3	4901.500	44.19	33.00	5.59	-40.12	42.66	74.00	31.34	PK	Horizontal
4	7466.800	42.84	36.57	6.69	-41.87	44.23	74.00	29.77	PK	Horizontal
5	11487.300	41.25	39.21	8.44	-39.32	49.58	74.00	24.42	PK	Horizontal
6	16155.500	41.97	37.84	10.18	-39.49	50.50	74.00	23.50	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

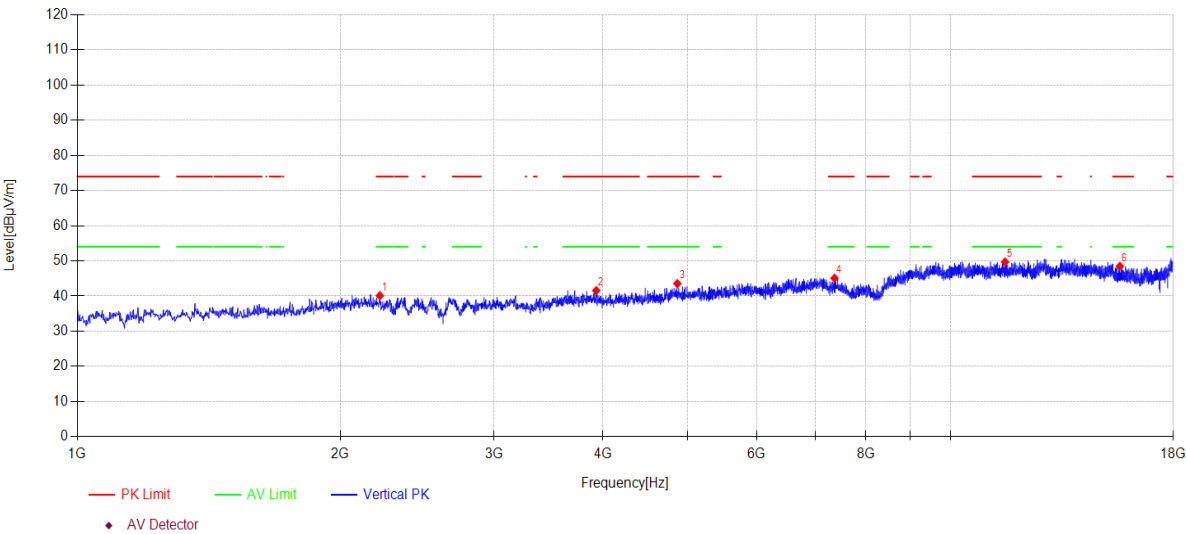
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Memo:

Left side Sample Number: S24052314-017

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	2220.600	45.41	27.59	4.73	-37.63	40.10	74.00	33.90	PK	Vertical
2	3929.100	45.77	31.14	5.06	-40.41	41.56	74.00	32.44	PK	Vertical
3	4865.800	44.56	33.55	5.57	-40.13	43.55	74.00	30.45	PK	Vertical
4	7364.800	43.30	36.77	6.63	-41.61	45.09	74.00	28.91	PK	Vertical
5	11548.500	41.46	39.10	8.48	-39.35	49.69	74.00	24.31	PK	Vertical
6	15631.900	39.14	38.57	9.90	-39.14	48.47	74.00	25.53	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.

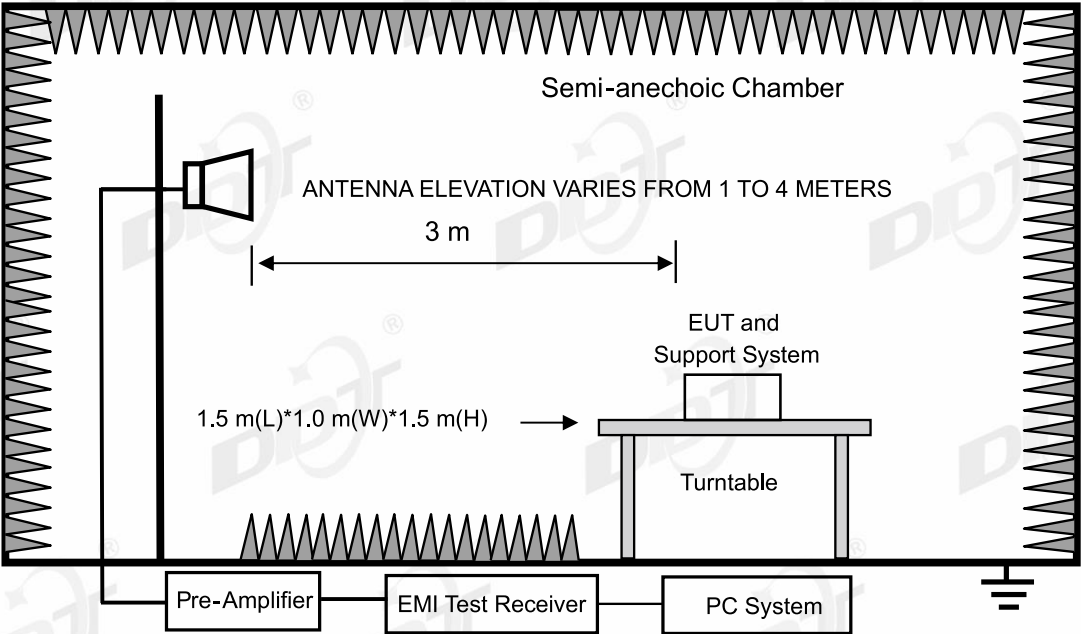
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13.Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI TEST RECEIVER	R&S	ESU26	100472	2025/03/31
PSA Series Spectrum Analyzer	Agilent	E4447A	MY50180031	2025/03/31
Active Loop Antenna	Schwarzbeck	FMZB-1519	1519-038	2025/09/10
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	01429	2025/07/11
Double Ridged Horn Antenna	Schwarzbeck	BBHA 9120 D	02468	2024/09/17
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	2025/04/25
Pre-amplifier	COM-POWER	PAM-118A	18040084	2024/07/14
Pre-amplifier	COM-POWER	PAM-840A	461369	2025/03/31
RE Cable	N/A	W23.02 CP1-X2 + W23.09 AP1-X8+ JCT26S-NJ-NJ-1.5M	4.5M+8M+1.5M	2025/03/31
RF Cable	Yuhu	JCTB810-NJ-NJ-9M+ ZT26S-SMAJ-SMAJ-1M	21123964	2025/03/31
Band Reject Filter(2400-2500 MHz)	REBES	BRM50702	G555	N/A
Band Reject Filter(5150-5880 MHz)	REBES	BRM50716	G392	N/A
High Pass Filter(8000-25000 MHz)	XB	XBLBQ-GTA67	210820-2-3	N/A
Test Software	Tonscend	JS32-RE	V 5.0.0.1	N/A
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/04/01
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

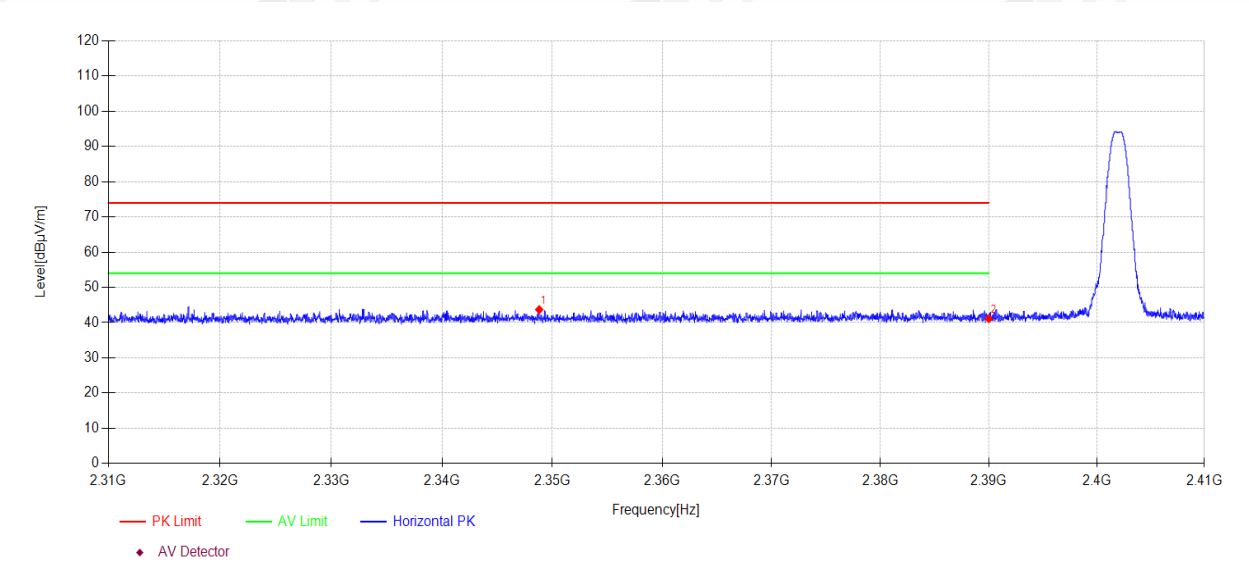
File Path:

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Memo:

Right side Sample Number: S24052314-017

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	2348.810	13.06	27.09	3.55	0.00	43.70	74.00	30.30	PK	Horizontal
2	2390.000	10.31	27.26	3.57	0.00	41.14	74.00	32.86	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

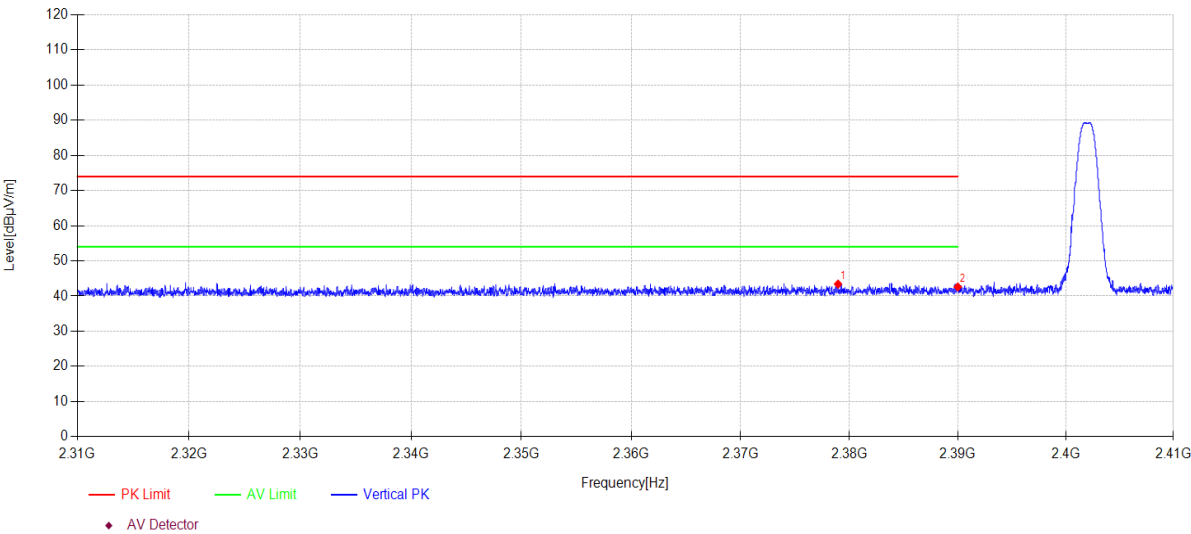
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d:\ts\2024 report data\Q24052314-1E\FCC ABOVE 1G\26

Memo:

Right side Sample Number: S24052314-017

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	2378.960	12.63	27.22	3.56	0.00	43.41	74.00	30.59	PK	Vertical
2	2390.000	11.75	27.26	3.57	0.00	42.58	74.00	31.42	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

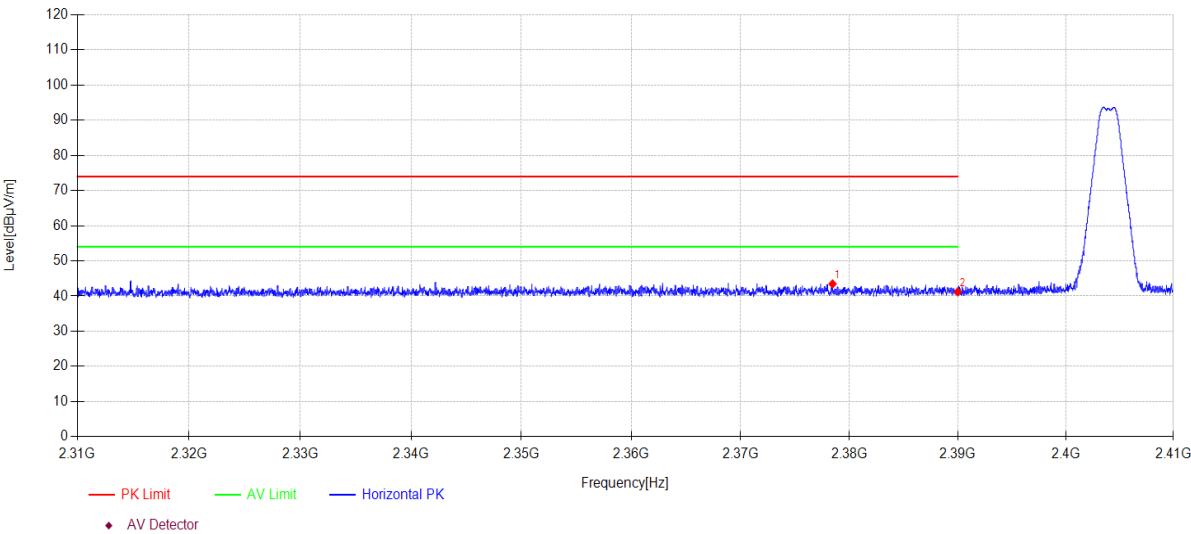
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Memo:

Right side Sample Number: S24052314-017

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	2378.450	12.69	27.21	3.56	0.00	43.46	74.00	30.54	PK	Horizontal
2	2390.000	10.34	27.26	3.57	0.00	41.17	74.00	32.83	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

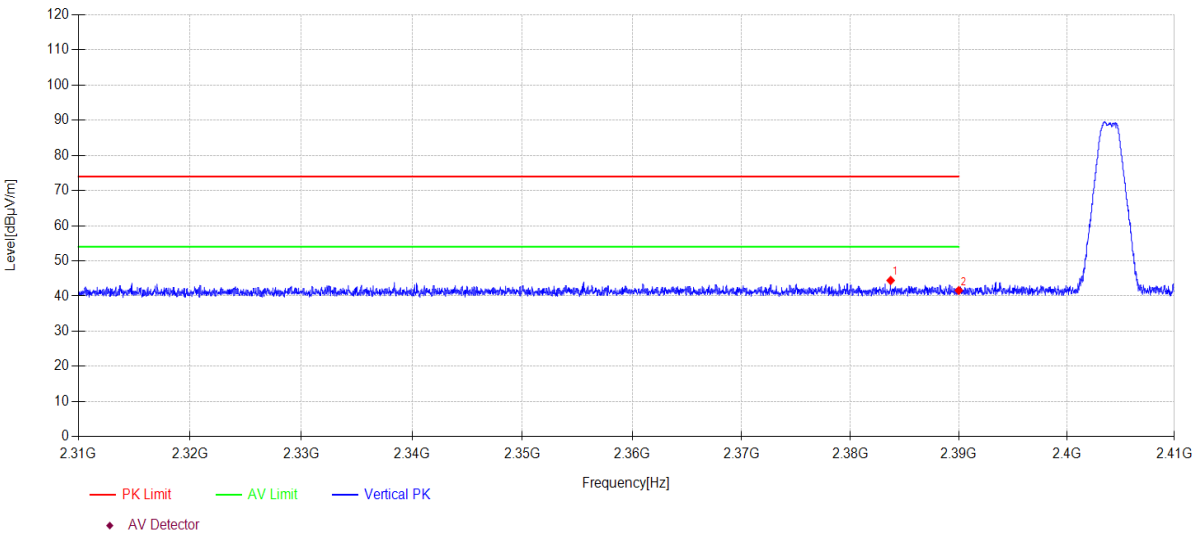
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Memo:

Right side Sample Number: S24052314-017

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	2383.710	13.65	27.23	3.56	0.00	44.44	74.00	29.56	PK	Vertical
2	2390.000	10.76	27.26	3.57	0.00	41.59	74.00	32.41	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

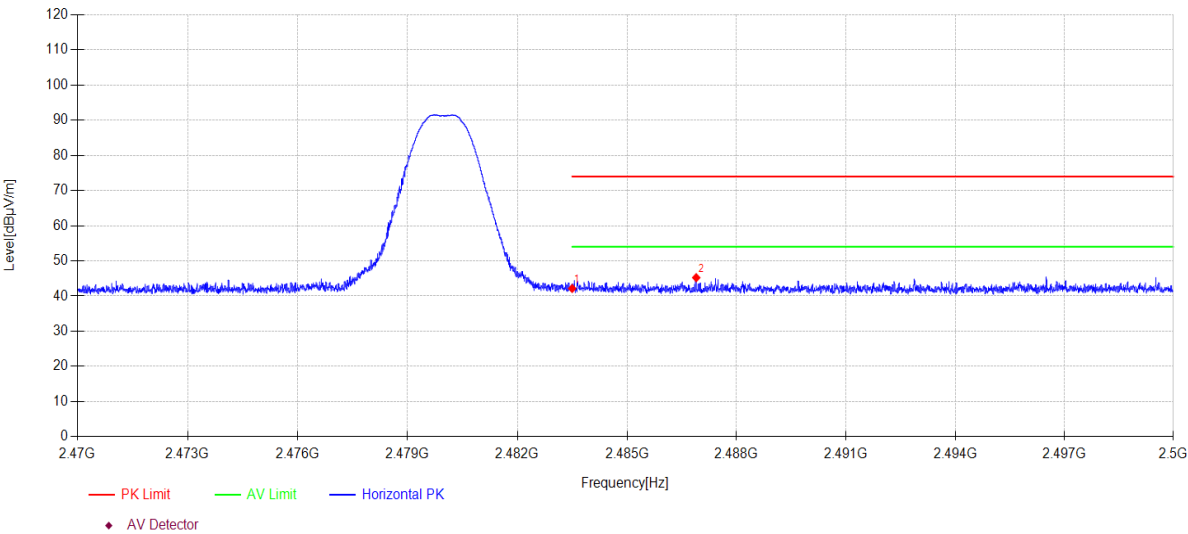
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Memo:

Right side Sample Number: S24052314-017

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	11.01	27.53	3.62	0.00	42.16	74.00	31.84	PK	Horizontal
2	2486.896	14.07	27.55	3.62	0.00	45.24	74.00	28.76	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

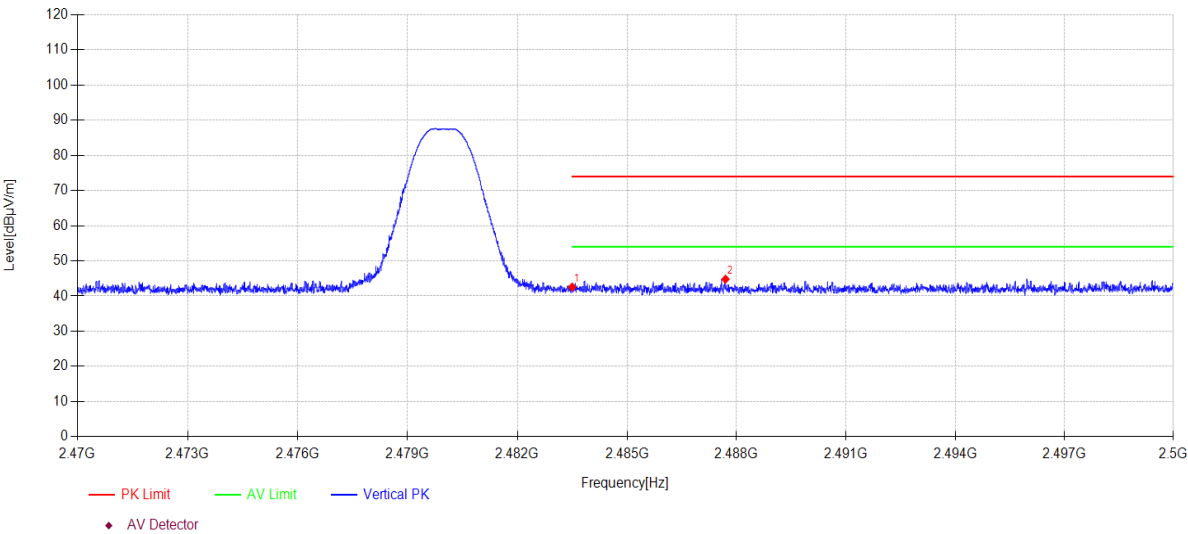
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Memo:

Right side Sample Number: S24052314-017

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	11.41	27.53	3.62	0.00	42.56	74.00	31.44	PK	Vertical
2	2487.697	13.63	27.55	3.62	0.00	44.80	74.00	29.20	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

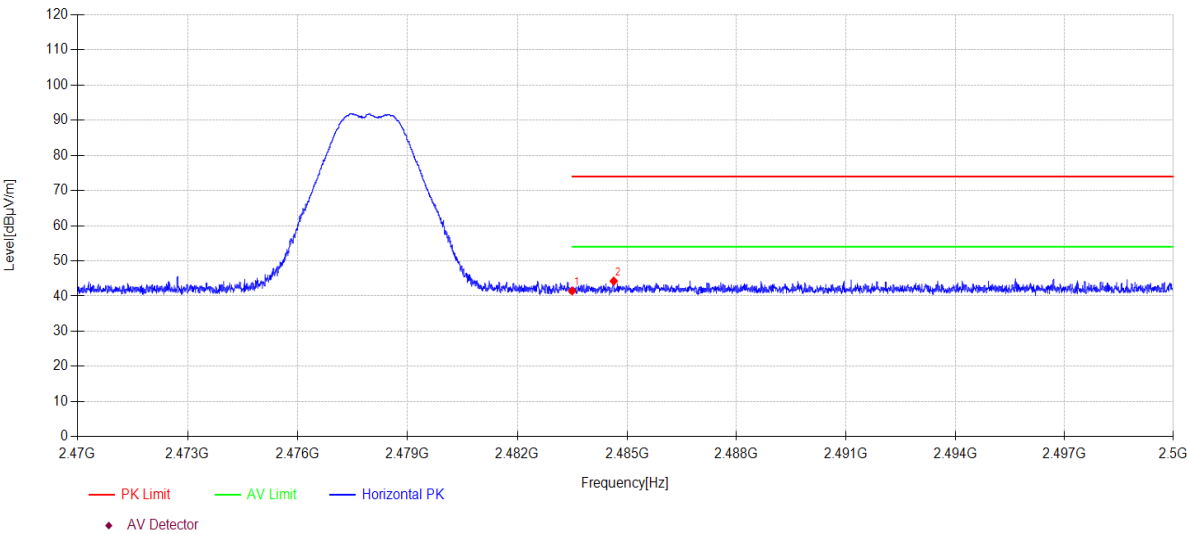
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Memo:

Right side Sample Number: S24052314-017

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	10.35	27.53	3.62	0.00	41.50	74.00	32.50	PK	Horizontal
2	2484.637	13.10	27.54	3.62	0.00	44.26	74.00	29.74	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

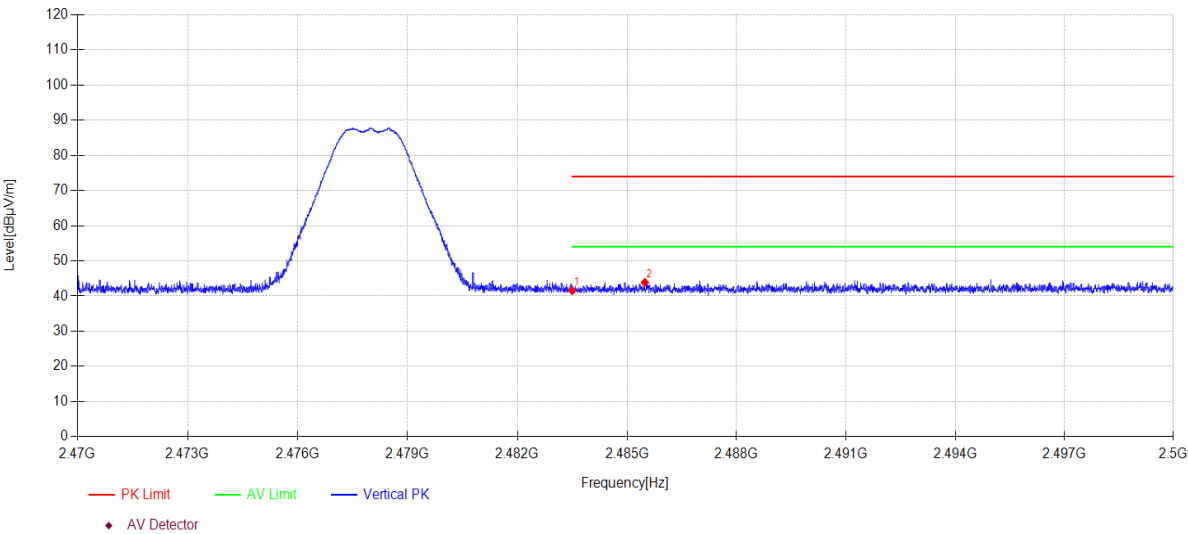
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Memo:

Right side Sample Number: S24052314-017

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	10.43	27.53	3.62	0.00	41.58	74.00	32.42	PK	Vertical
2	2485.489	12.72	27.54	3.62	0.00	43.88	74.00	30.12	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

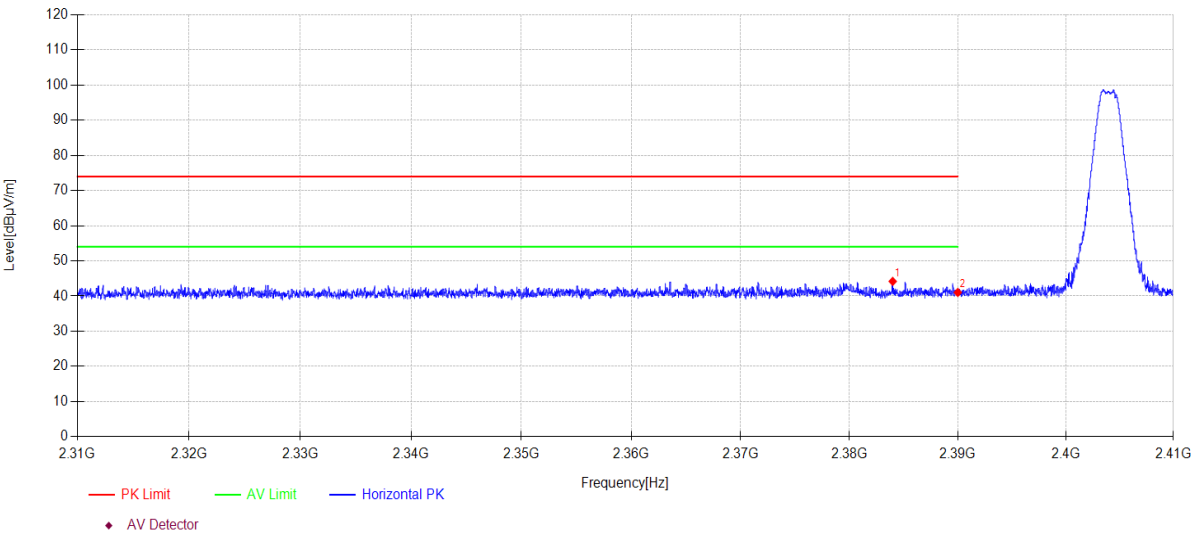
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Memo:

Left side Sample Number: S24052314-017

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	2383.990	13.37	27.24	3.57	0.00	44.18	74.00	29.82	PK	Horizontal
2	2390.000	10.20	27.26	3.57	0.00	41.03	74.00	32.97	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2404MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

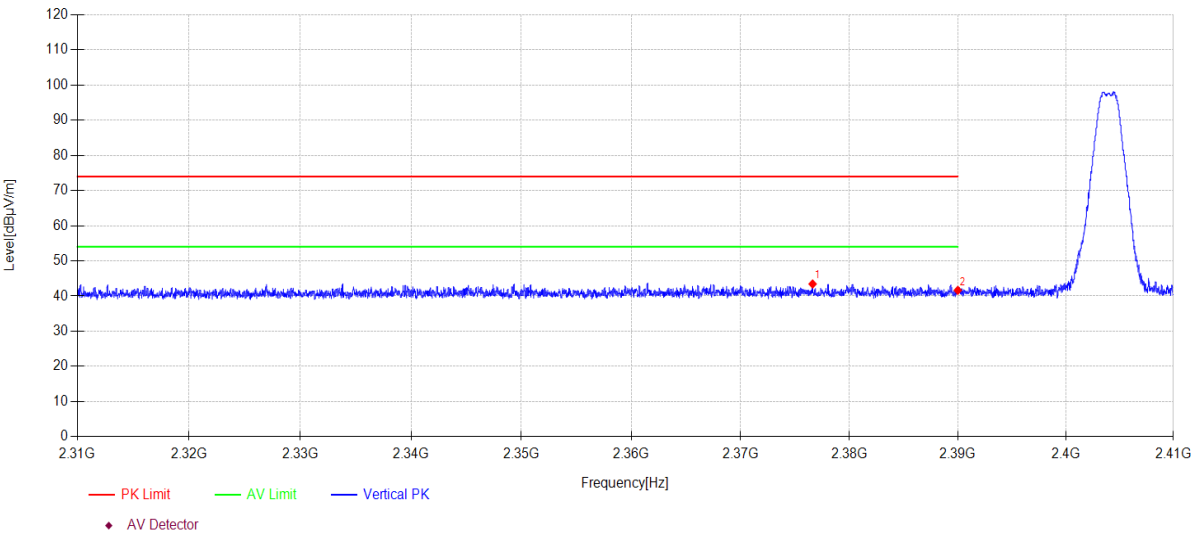
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Memo:

Left side Sample Number: S24052314-017

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	2376.620	12.67	27.21	3.56	0.00	43.44	74.00	30.56	PK	Vertical
2	2390.000	10.81	27.26	3.57	0.00	41.64	74.00	32.36	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

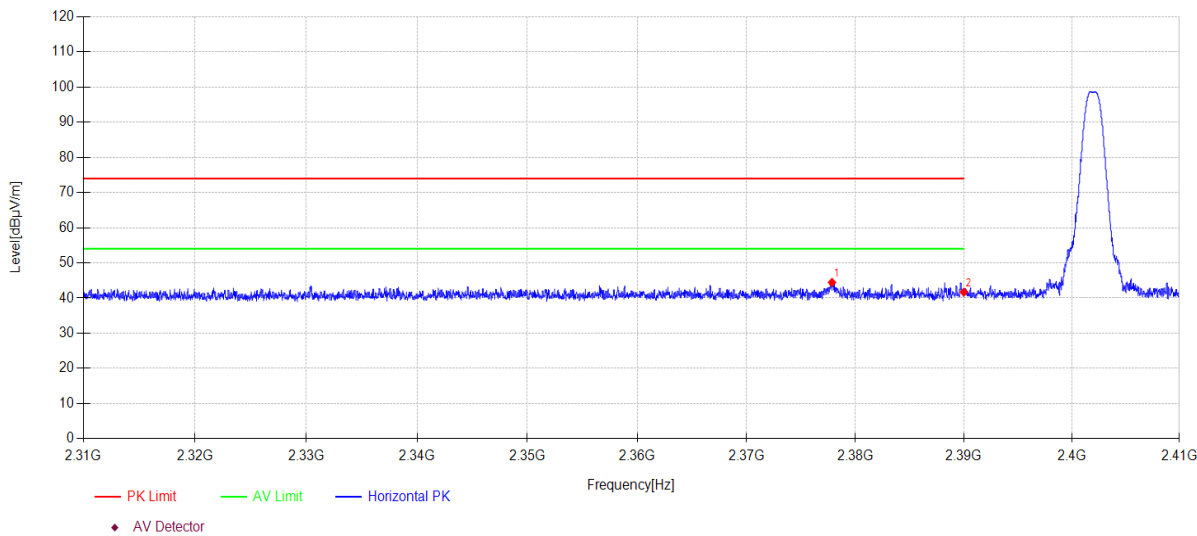
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Memo:

Left side Sample Number: S24052314-017

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	2377.850	13.69	27.21	3.56	0.00	44.46	74.00	29.54	PK	Horizontal
2	2390.000	10.86	27.26	3.57	0.00	41.69	74.00	32.31	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2402MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

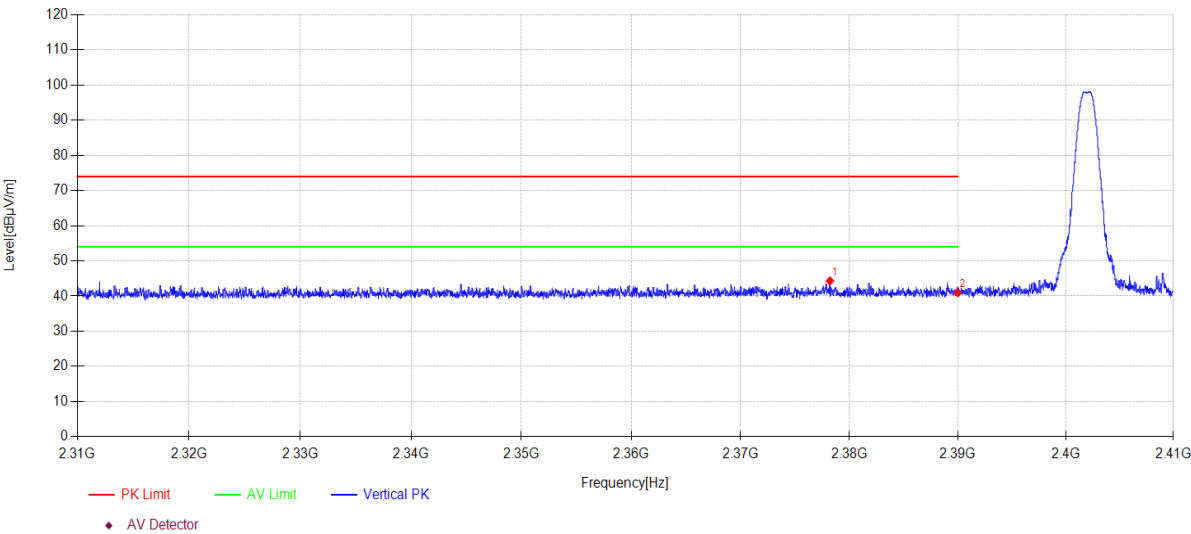
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Memo:

Left side Sample Number: S24052314-017

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	2378.210	13.56	27.21	3.56	0.00	44.33	74.00	29.67	PK	Vertical
2	2390.000	10.11	27.26	3.57	0.00	40.94	74.00	33.06	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

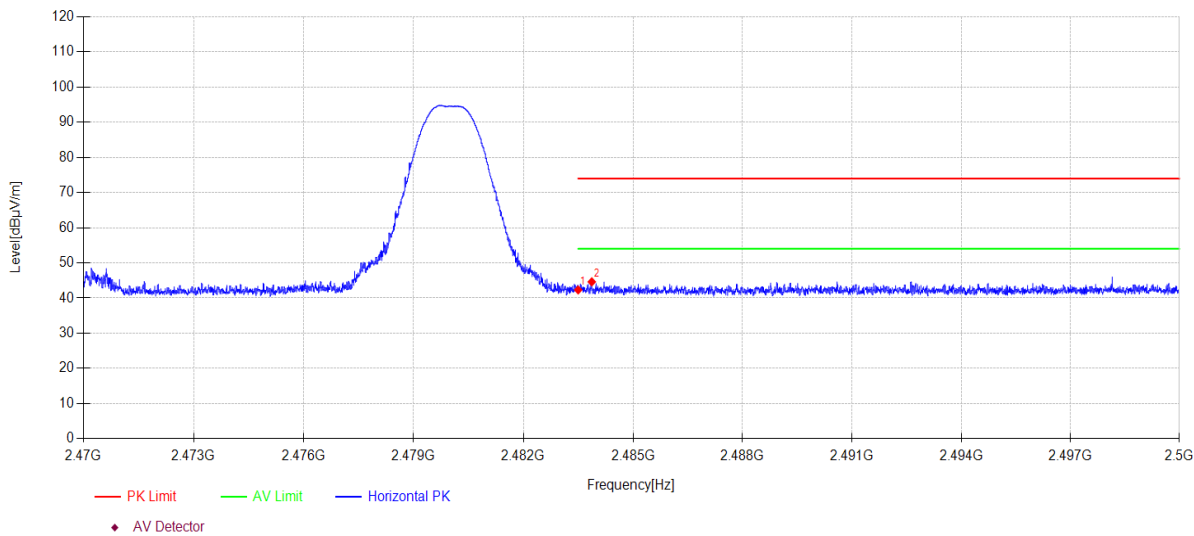
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Memo:

Left side Sample Number: S24052314-017

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	11.17	27.53	3.62	0.00	42.32	74.00	31.68	PK	Horizontal
2	2483.872	13.46	27.54	3.62	0.00	44.62	74.00	29.38	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 1M TX 2480MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

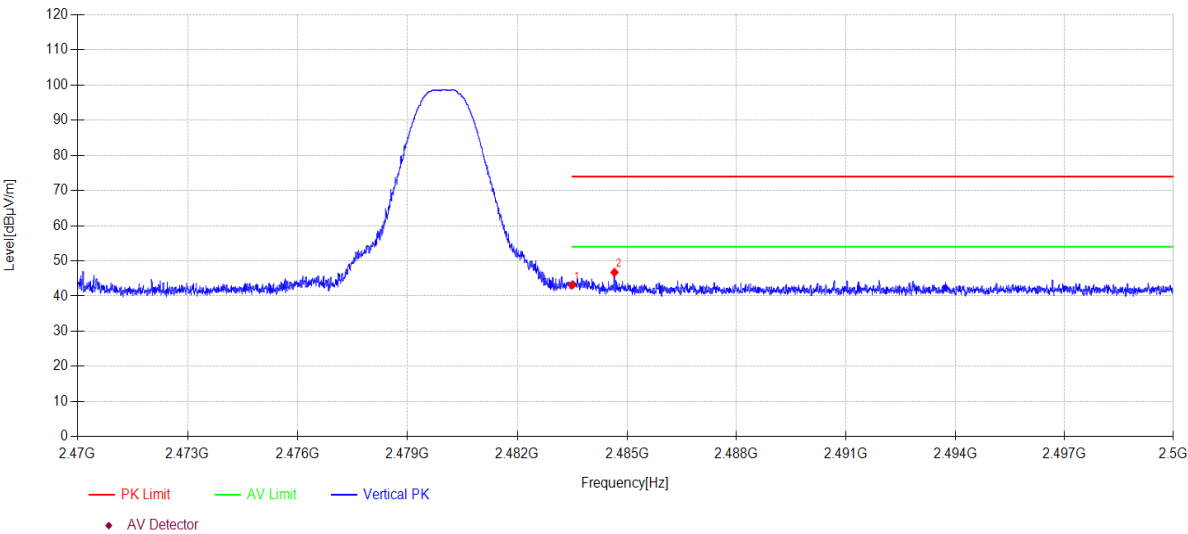
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Memo:

Left side Sample Number: S24052314-017

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	11.97	27.53	3.62	0.00	43.12	74.00	30.88	PK	Vertical
2	2484.658	15.58	27.54	3.62	0.00	46.74	74.00	27.26	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

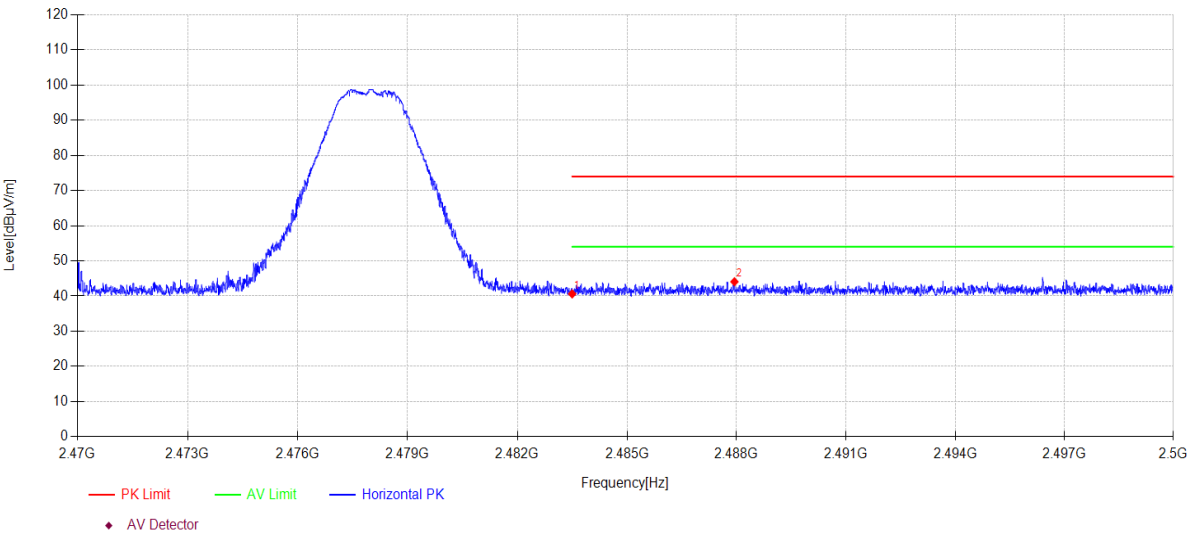
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d:\ts\2024 report data\Q24052314-1E\FCC ABOVE 1G\71

Memo:

Left side Sample Number: S24052314-017

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	9.47	27.53	3.62	0.00	40.62	74.00	33.38	PK	Horizontal
2	2487.943	12.91	27.55	3.62	0.00	44.08	74.00	29.92	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:

2024-06-05

Tested By:

Genliu

EUT:

BLUETOOTH HEADSET

Model Number:

TUNE FLEX 2

Test Mode:

BLE 2M TX 2478MHz

Power Supply:

Battery

Condition:

Temp:21.9°C;Humi:60.0%

Test Site:

DDT 3# Chamber

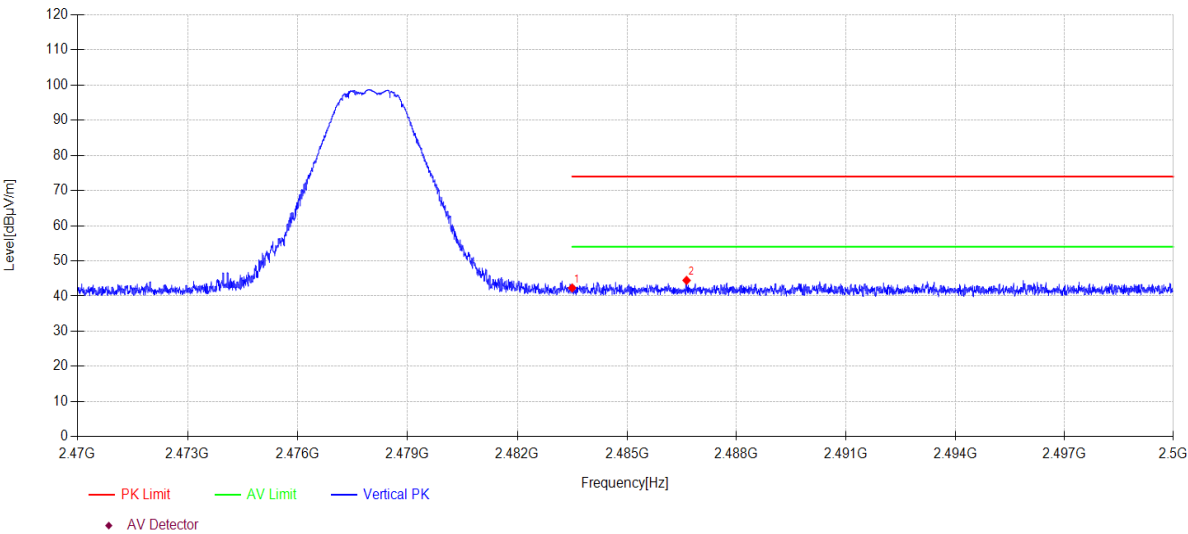
File Path:

d:\ts\2024 report data\Q24052314-1E\FCC ABOVE 1G\72

Memo:

Left side Sample Number: S24052314-017

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	11.17	27.53	3.62	0.00	42.32	74.00	31.68	PK	Vertical
2	2486.632	13.29	27.55	3.62	0.00	44.46	74.00	29.54	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.

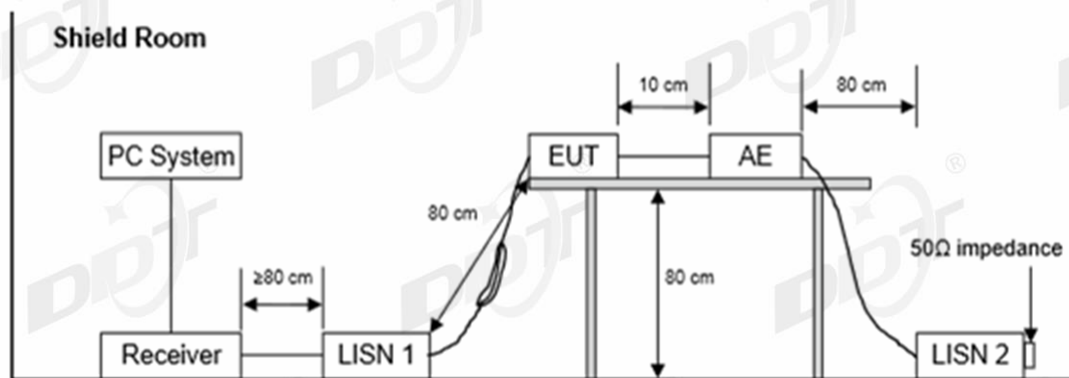
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14.Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Test Receiver	R&S	ESCI	101028	2024/07/12
LISN 1	R&S	ENV216	101725	2024/07/12
LISN 2	R&S	ENV216	101726	2024/07/12
LISN 3	SCHWARZBEC K	NSLK 8163	00017	2024/07/12
LISN 4	SCHWARZBEC K	NNLK 8130	00430	2024/12/21
Pulse Limiter	SCHWARZBEC K	VTSD 9561	102766	2024/07/15
CE Cable 3	HUBSER	Z806-NJ-NJ-6M	21070275	2024/07/15
Test software	Audix	E3	V 6.11111b	/

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
Adapter	HUAWEI	HW-100400C01	Huawei Fast Charge 2 #	Input: 100-240V~50/60Hz, Output: 5V/2A or 9V/2A or 10V/4A MAX

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.

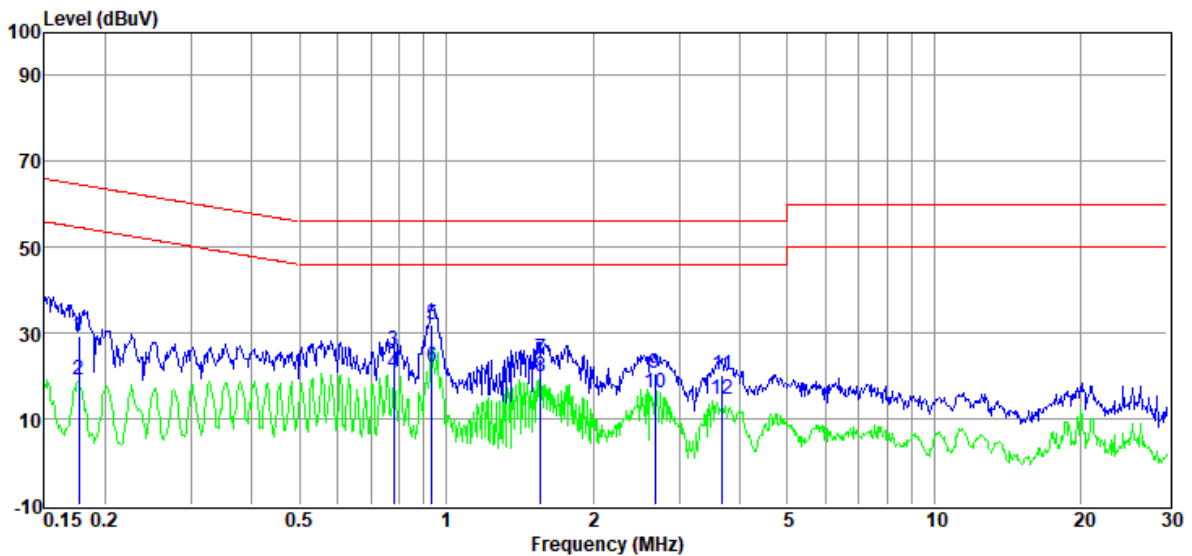
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room **D:\2024 Report Date\Q24052314-1E\0606 CE.EM6**
Test Date : 2024-06-06 **Tested By** : Antony Zeng
EUT : BLUETOOTH HEADSET **Model Number** : TUNE FLEX 2
Power Supply : AC 120V/60Hz **Test Mode** : Tx mode
Condition : Temp:21.8°C,Humi:51.5% **LISN** : 2023 ENV 216 3#/LINE
Memo : Sample Number: S24052314-017

Data: 6



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	9.57	9.59	0.11	9.94	29.21	64.64	-35.43	QP	LINE
2	0.18	-0.38	9.59	0.11	9.94	19.26	54.64	-35.38	Average	LINE
3	0.78	5.72	9.94	0.17	9.97	25.80	56.00	-30.20	QP	LINE
4	0.78	0.35	9.94	0.17	9.97	20.43	46.00	-25.57	Average	LINE
5	0.93	12.11	9.69	0.23	9.97	32.00	56.00	-24.00	QP	LINE
6	0.93	2.40	9.69	0.23	9.97	22.29	46.00	-23.71	Average	LINE
7	1.56	4.34	9.52	0.26	9.98	24.10	56.00	-31.90	QP	LINE
8	1.56	0.05	9.52	0.26	9.98	19.81	46.00	-26.19	Average	LINE
9	2.68	0.57	9.67	0.26	10.00	20.50	56.00	-35.50	QP	LINE
10	2.68	-3.80	9.67	0.26	10.00	16.13	46.00	-29.87	Average	LINE
11	3.68	0.30	9.73	0.27	10.01	20.31	56.00	-35.69	QP	LINE
12	3.68	-5.57	9.73	0.27	10.01	14.44	46.00	-31.56	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

: 2024-06-06

EUT

: BLUETOOTH HEADSET

Power Supply

: AC 120V/60Hz

Condition

: Temp:21.8°C,Humi:51.5%

Memo

: Sample Number: S24052314-017

D:\2024 Report Date\Q24052314-1E\0606 CE.EM6

Tested By

: Antony Zeng

Model Number

: TUNE FLEX 2

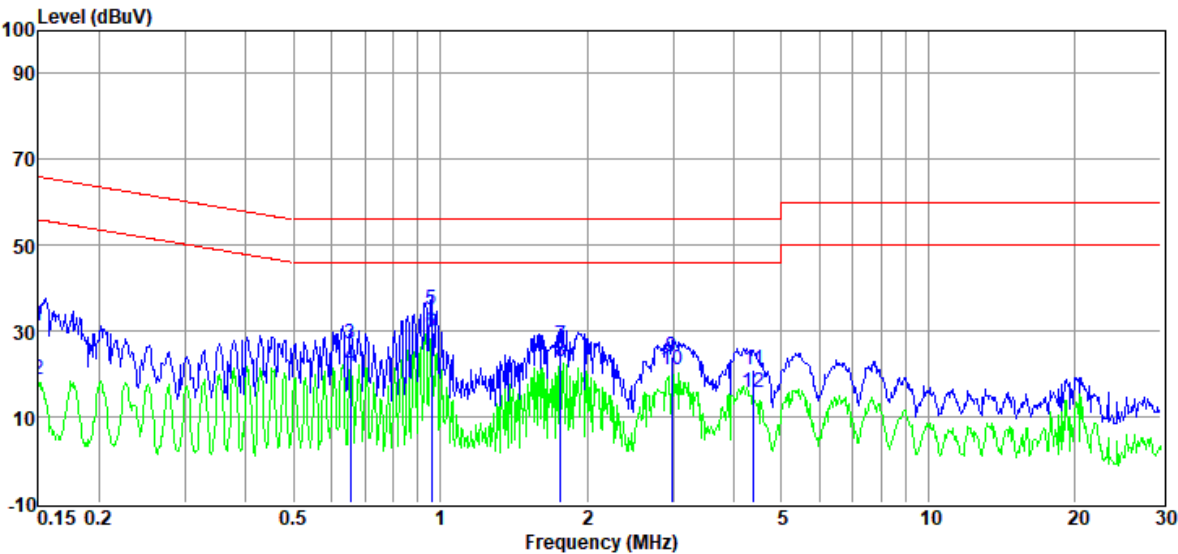
Test Mode

: Tx mode

LISN

: 2023 ENV 216 3#/NEUTRAL

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	0.15	11.42	9.81	0.10	9.94	31.27	66.00	-34.73	QP	NEUTRAL
2	0.15	-1.07	9.81	0.10	9.94	18.78	56.00	-37.22	Average	NEUTRAL
3	0.65	7.10	9.77	0.14	9.96	26.97	56.00	-29.03	QP	NEUTRAL
4	0.65	2.05	9.77	0.14	9.96	21.92	46.00	-24.08	Average	NEUTRAL
5	0.96	14.99	9.85	0.24	9.97	35.05	56.00	-20.95	QP	NEUTRAL
6	0.96	9.50	9.85	0.24	9.97	29.56	46.00	-16.44	Average	NEUTRAL
7	1.76	6.22	10.01	0.26	9.99	26.48	56.00	-29.52	QP	NEUTRAL
8	1.76	2.74	10.01	0.26	9.99	23.00	46.00	-23.00	Average	NEUTRAL
9	2.98	3.94	9.66	0.26	10.00	23.86	56.00	-32.14	QP	NEUTRAL
10	2.98	0.95	9.66	0.26	10.00	20.87	46.00	-25.13	Average	NEUTRAL
11	4.38	1.17	9.69	0.27	10.01	21.14	56.00	-34.86	QP	NEUTRAL
12	4.38	-4.41	9.69	0.27	10.01	15.56	46.00	-30.44	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-Q24052314-2E appendix I

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