

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-27

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

BLE 2M TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

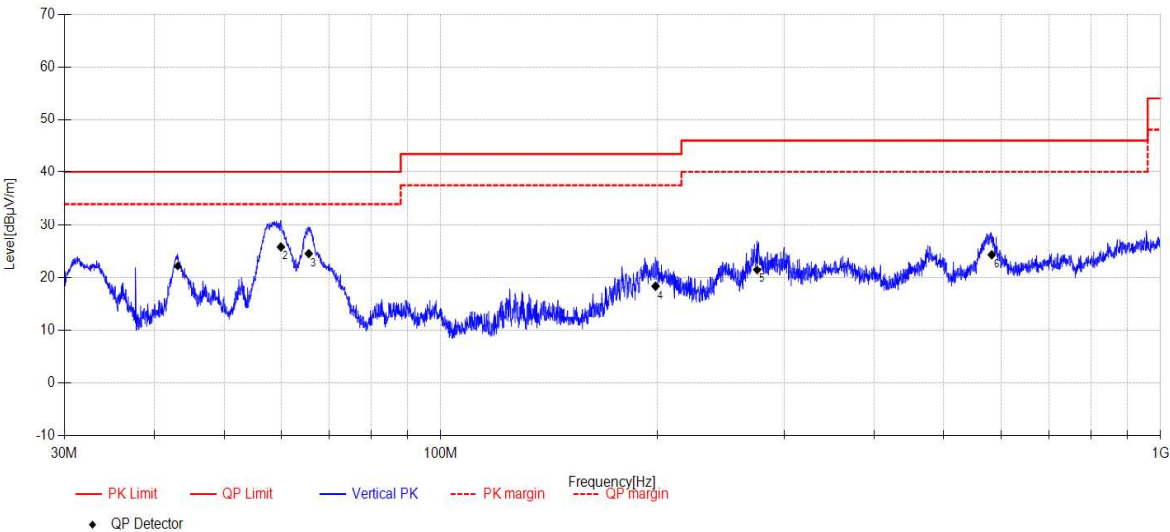
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC BELOW 1G\20240127-013824_V

Memo:

Sample Number:S23111312-02 Power Setting:NA



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	43.11	35.56	12.82	4.64	-30.80	22.22	40.00	17.78	QP	Vertical
2	59.98	38.94	12.79	4.76	-30.63	25.86	40.00	14.14	QP	Vertical
3	65.56	38.69	11.75	4.78	-30.60	24.62	40.00	15.38	QP	Vertical
4	198.79	32.91	10.34	5.72	-30.60	18.37	43.50	25.13	QP	Vertical
5	275.23	33.28	12.50	6.05	-30.37	21.46	46.00	24.54	QP	Vertical
6	582.81	28.44	18.61	7.26	-29.90	24.41	46.00	21.59	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:

2024-01-27

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

2.4GWIFI TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

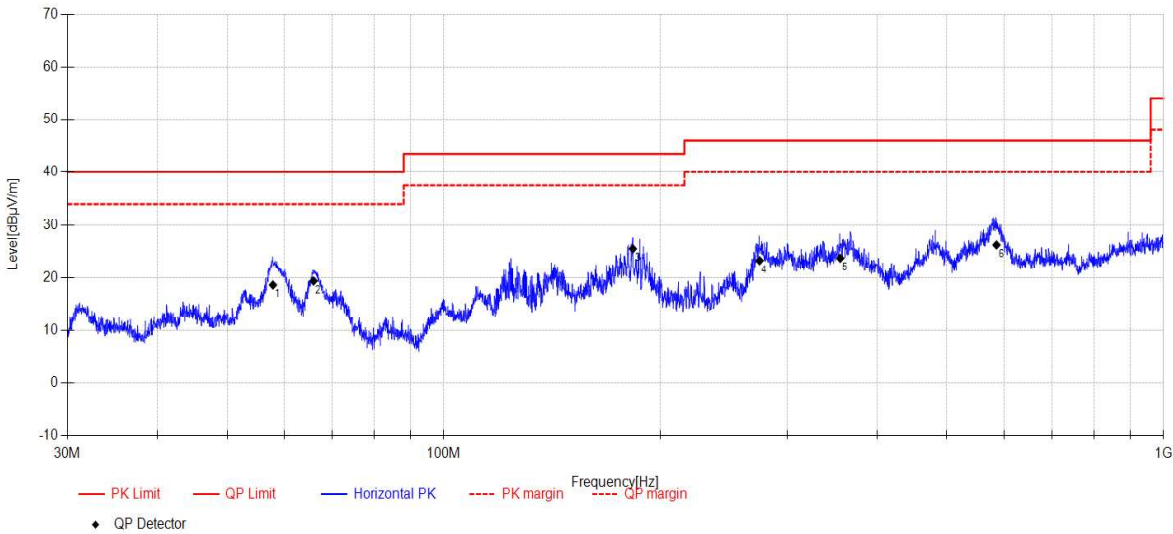
DDT 3# Chamber

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Memo:

Sample Number:S23111312-02 Power Setting:NA



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	57.91	31.77	12.74	4.75	-30.65	18.61	40.00	21.39	QP	Horizontal
2	65.93	33.71	11.45	4.78	-30.59	19.35	40.00	20.65	QP	Horizontal
3	183.13	40.81	9.77	5.59	-30.65	25.52	43.50	17.98	QP	Horizontal
4	274.65	35.13	12.50	6.04	-30.38	23.29	46.00	22.71	QP	Horizontal
5	355.50	32.02	15.44	6.46	-30.19	23.73	46.00	22.27	QP	Horizontal
6	586.08	30.52	18.34	7.27	-29.90	26.23	46.00	19.77	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:

2024-01-27

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

2.4GWIFI TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

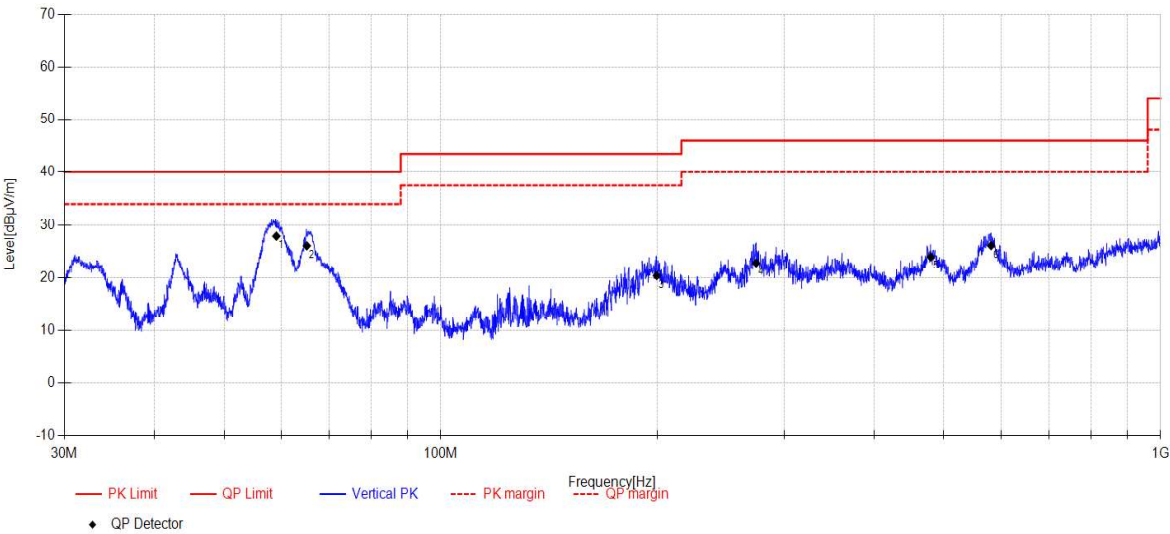
DDT 3# Chamber

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Memo:

Sample Number:S23111312-02 Power Setting:NA



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	59.10	41.4	12.35	4.76	-30.64	27.87	40.00	12.13	QP	Vertical
2	65.15	39.81	12.08	4.78	-30.60	26.07	40.00	13.93	QP	Vertical
3	199.63	34.62	10.61	5.73	-30.60	20.36	43.50	23.14	QP	Vertical
4	274.26	34.67	12.50	6.04	-30.38	22.83	46.00	23.17	QP	Vertical
5	479.59	30.56	16.48	6.88	-29.94	23.98	46.00	22.02	QP	Vertical
6	581.58	29.97	18.78	7.26	-29.90	26.11	46.00	19.89	QP	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-27

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

5GWIFI TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

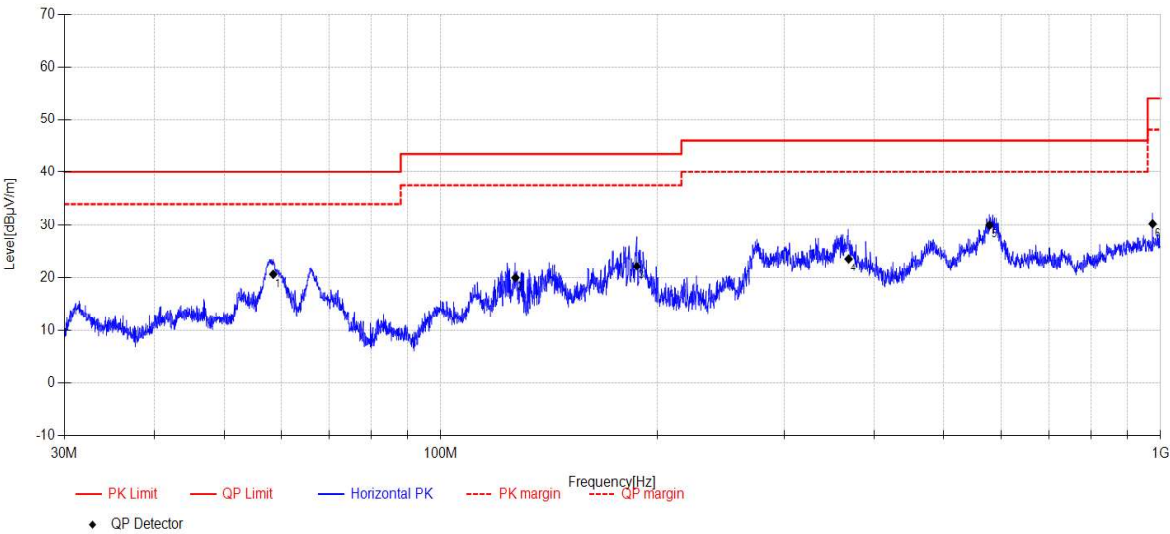
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Memo:

Sample Number:S23111312-02 Power Setting:NA



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	58.52	33.93	12.54	4.76	-30.64	20.59	40.00	19.41	QP	Horizontal
2	127.00	36.36	9.20	5.21	-30.82	19.95	43.50	23.55	QP	Horizontal
3	187.29	37.53	9.68	5.63	-30.64	22.20	43.50	21.30	QP	Horizontal
4	368.70	31.67	15.57	6.53	-30.16	23.61	46.00	22.39	QP	Horizontal
5	578.73	33.71	18.85	7.24	-29.90	29.90	46.00	16.10	QP	Horizontal
6	975.07	27.77	22.10	8.60	-28.32	30.15	54.00	23.85	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:

2024-01-27

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

5GWIFI TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

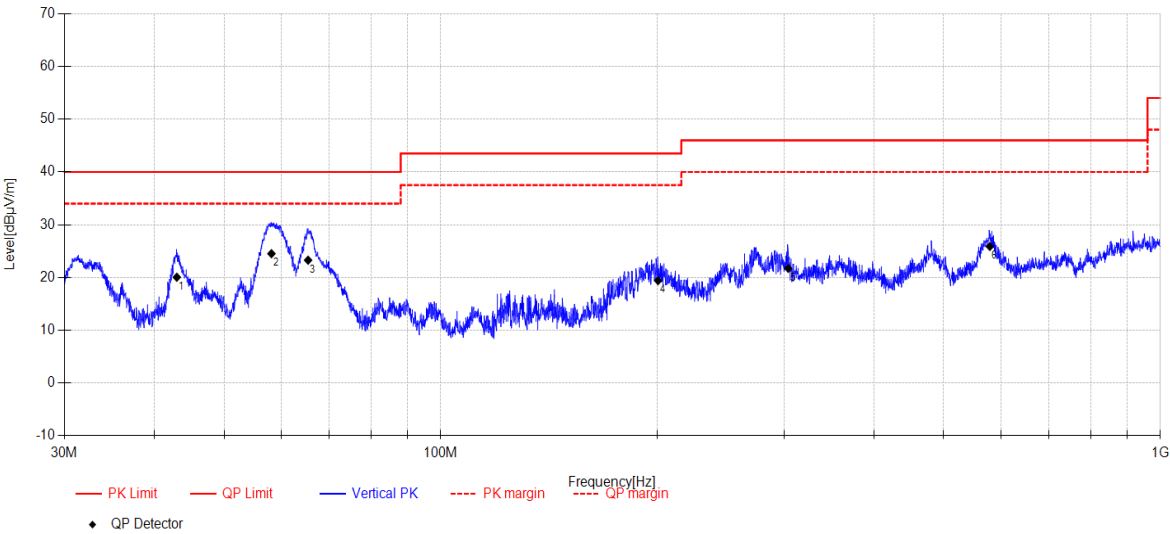
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Memo:

Sample Number:S23111312-02 Power Setting:NA



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	42.99	33.42	12.80	4.64	-30.81	20.05	40.00	19.95	QP	Vertical
2	58.20	37.71	12.70	4.75	-30.65	24.51	40.00	15.49	QP	Vertical
3	65.42	37.24	11.86	4.78	-30.60	23.28	40.00	16.72	QP	Vertical
4	200.47	33.5	10.78	5.73	-30.60	19.41	43.50	24.09	QP	Vertical
5	304.04	32.15	13.70	6.17	-30.29	21.73	46.00	24.27	QP	Vertical
6	579.55	29.58	18.95	7.25	-29.90	25.88	46.00	20.12	QP	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

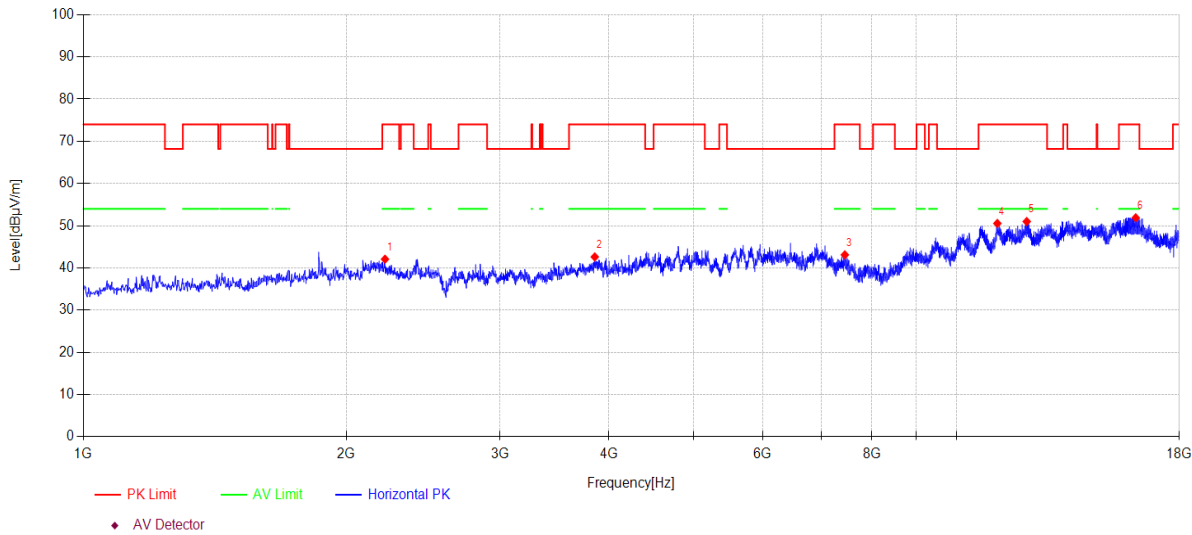
Test Site:

DDT 3# Chamber

File Path: d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\1

Memo: Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2215.50	46.00	27.65	6.04	-37.62	42.07	74.00	31.93	PK	Horizontal
2	3852.60	46.09	30.92	5.97	-40.36	42.62	74.00	31.38	PK	Horizontal
3	7449.80	39.43	36.60	8.89	-41.82	43.10	74.00	30.90	PK	Horizontal
4	11138.80	40.82	39.26	9.63	-39.16	50.55	74.00	23.45	PK	Horizontal
5	12036.40	41.01	39.24	10.32	-39.57	51.00	74.00	23.00	PK	Horizontal
6	16045.00	37.45	37.96	15.88	-39.40	51.89	74.00	22.11	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

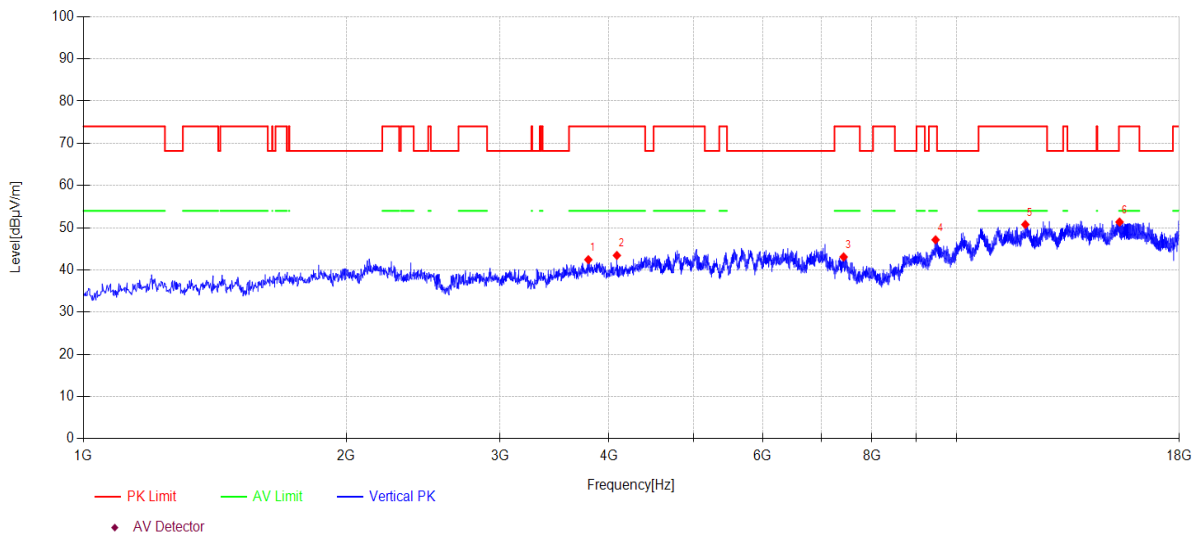
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3788.00	46.16	30.65	5.93	-40.32	42.42	74.00	31.58	PK	Vertical
2	4083.80	46.54	31.07	6.24	-40.42	43.43	74.00	30.57	PK	Vertical
3	7426.00	39.31	36.65	8.89	-41.77	43.08	74.00	30.92	PK	Vertical
4	9464.30	37.98	38.70	9.22	-38.76	47.14	74.00	26.86	PK	Vertical
5	11992.20	40.83	39.18	10.31	-39.56	50.76	74.00	23.24	PK	Vertical
6	15373.50	38.21	39.21	12.91	-38.98	51.35	74.00	22.65	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5200MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

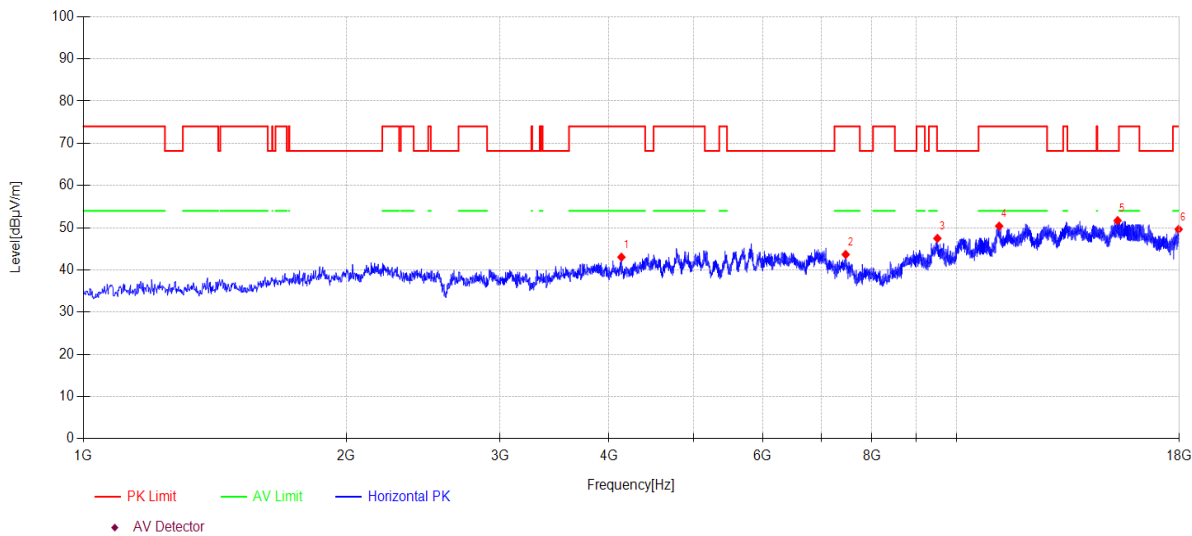
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d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\3

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4133.10	45.92	31.17	6.34	-40.40	43.03	74.00	30.97	PK	Horizontal
2	7466.80	40.07	36.57	8.89	-41.87	43.66	74.00	30.34	PK	Horizontal
3	9510.20	38.32	38.68	9.23	-38.75	47.48	68.20	20.72	PK	Horizontal
4	11193.20	40.68	39.21	9.67	-39.18	50.38	74.00	23.62	PK	Horizontal
5	15295.30	38.35	39.76	12.52	-38.94	51.69	68.20	16.51	PK	Horizontal
6	17969.40	36.89	42.25	12.82	-42.33	49.63	74.00	24.37	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5200MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

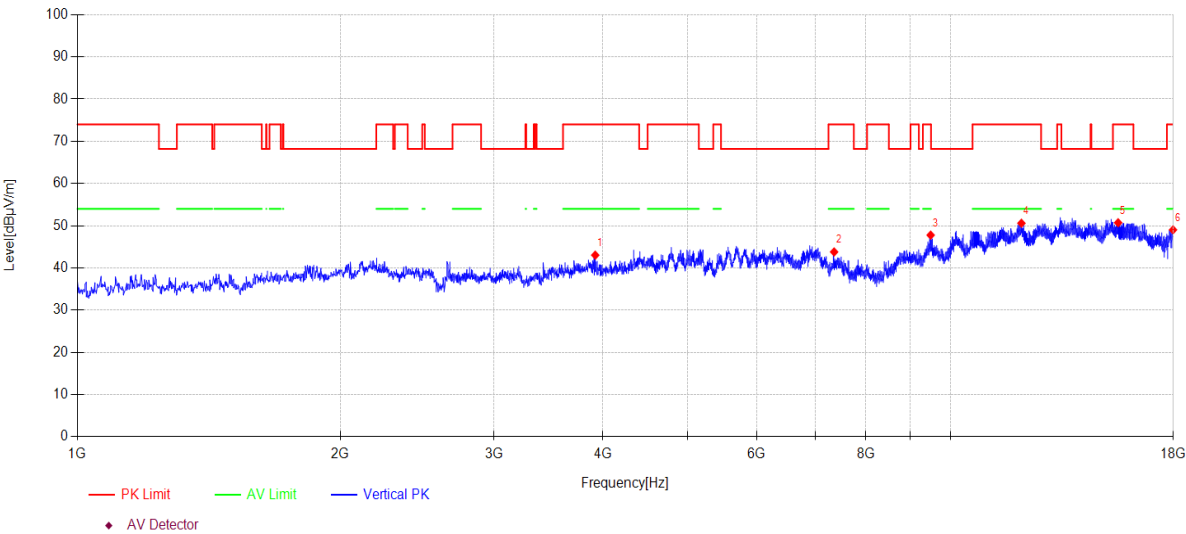
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d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI4

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3918.90	46.25	31.16	6.02	-40.40	43.03	74.00	30.97	PK	Vertical
2	7358.00	39.72	36.78	8.90	-41.60	43.80	74.00	30.20	PK	Vertical
3	9491.50	38.61	38.70	9.23	-38.76	47.78	74.00	26.22	PK	Vertical
4	12058.50	40.59	39.26	10.32	-39.58	50.59	74.00	23.41	PK	Vertical
5	15562.20	37.27	38.68	13.86	-39.10	50.71	74.00	23.29	PK	Vertical
6	17984.70	36.23	42.32	12.84	-42.37	49.02	74.00	24.98	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5240MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

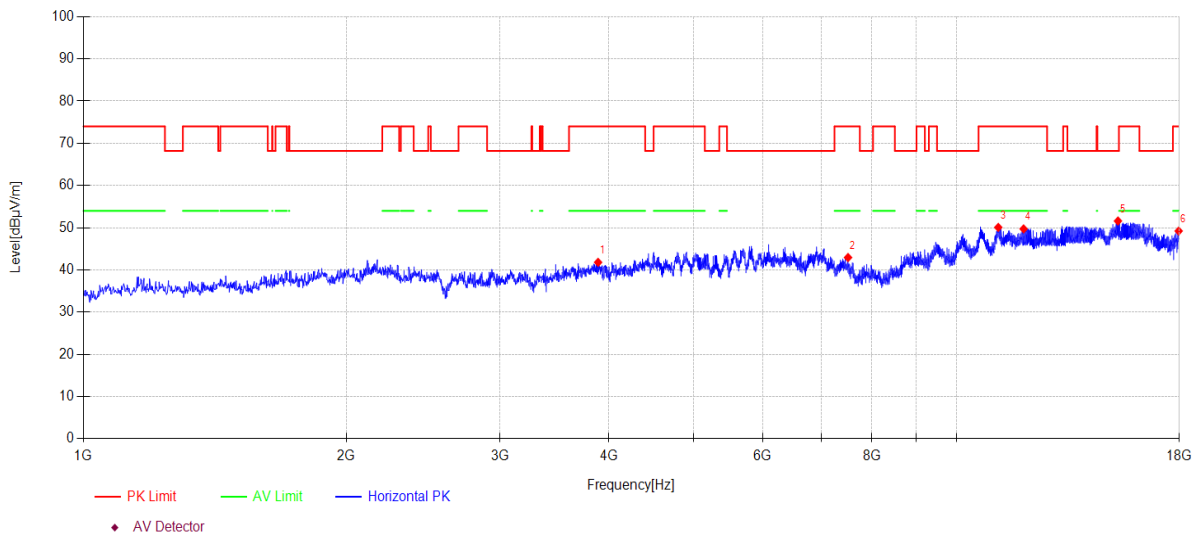
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3886.60	45.06	31.12	6.00	-40.38	41.80	74.00	32.20	PK	Horizontal
2	7512.70	39.58	36.47	8.88	-41.98	42.95	74.00	31.05	PK	Horizontal
3	11166.00	40.37	39.23	9.65	-39.17	50.08	74.00	23.92	PK	Horizontal
4	11937.80	39.97	39.01	10.27	-39.53	49.72	74.00	24.28	PK	Horizontal
5	15310.60	38.23	39.72	12.60	-38.95	51.60	68.20	16.60	PK	Horizontal
6	17969.40	36.48	42.25	12.82	-42.33	49.22	74.00	24.78	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5240MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

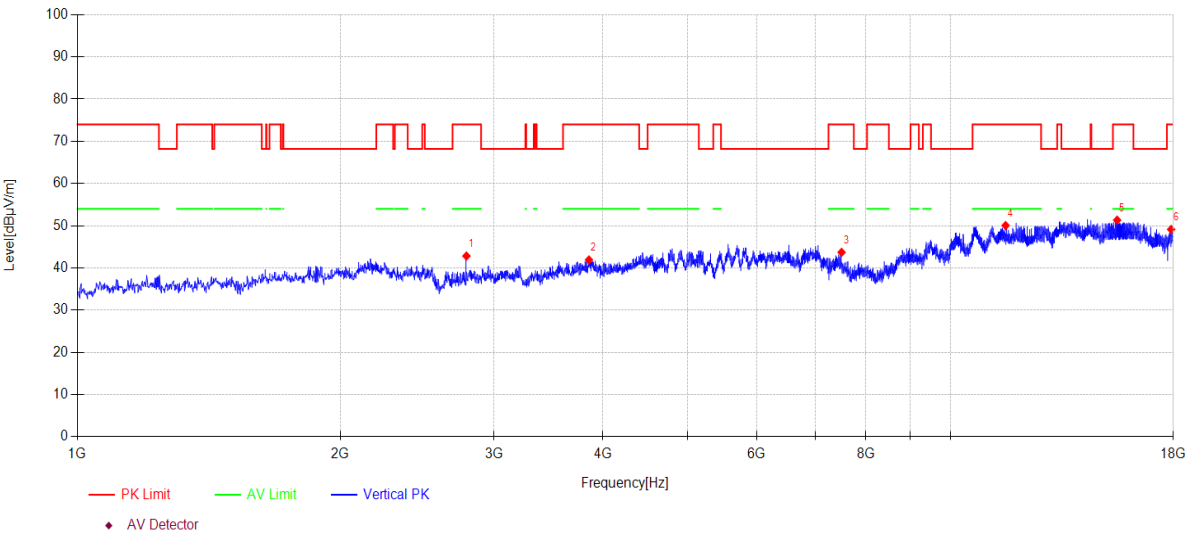
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2790.10	49.11	27.44	5.53	-39.25	42.83	74.00	31.17	PK	Vertical
2	3854.30	45.37	30.93	5.97	-40.36	41.91	74.00	32.09	PK	Vertical
3	7504.20	40.29	36.49	8.88	-41.96	43.70	74.00	30.30	PK	Vertical
4	11565.50	40.37	39.07	9.97	-39.36	50.05	74.00	23.95	PK	Vertical
5	15519.70	37.99	38.76	13.65	-39.07	51.33	74.00	22.67	PK	Vertical
6	17894.60	36.70	41.84	12.75	-42.16	49.13	74.00	24.87	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5260MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

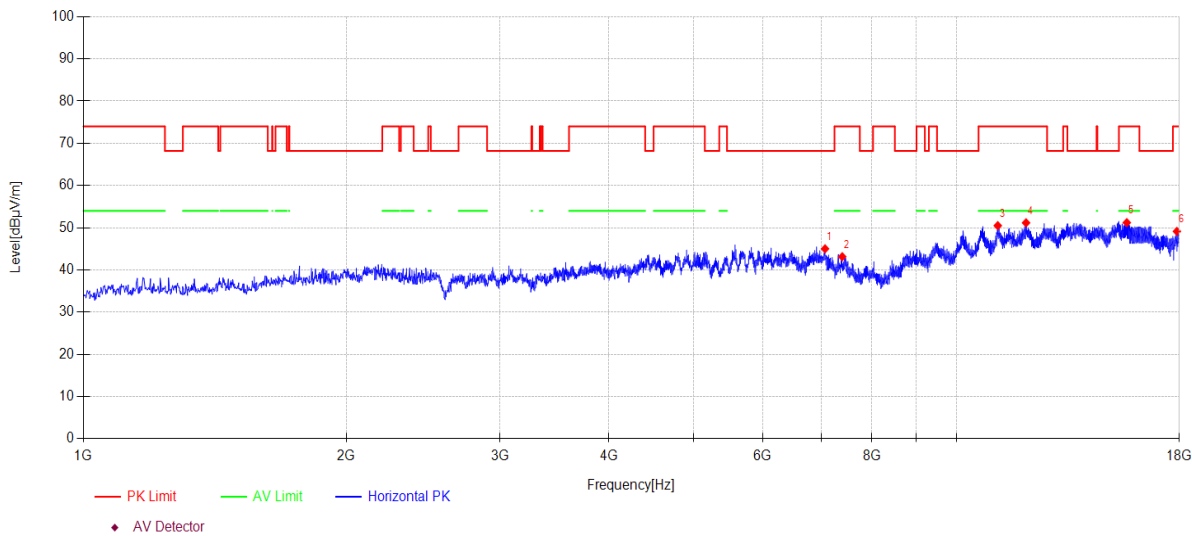
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d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\7

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7070.70	40.52	36.42	8.95	-40.88	45.01	68.20	23.19	PK	Horizontal
2	7398.80	39.24	36.70	8.90	-41.70	43.14	74.00	30.86	PK	Horizontal
3	11150.70	40.76	39.25	9.64	-39.16	50.49	74.00	23.51	PK	Horizontal
4	12014.30	41.20	39.21	10.32	-39.57	51.16	74.00	22.84	PK	Horizontal
5	15671.00	37.42	38.53	14.41	-39.16	51.20	74.00	22.80	PK	Horizontal
6	17884.40	36.81	41.73	12.74	-42.14	49.14	74.00	24.86	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5260MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

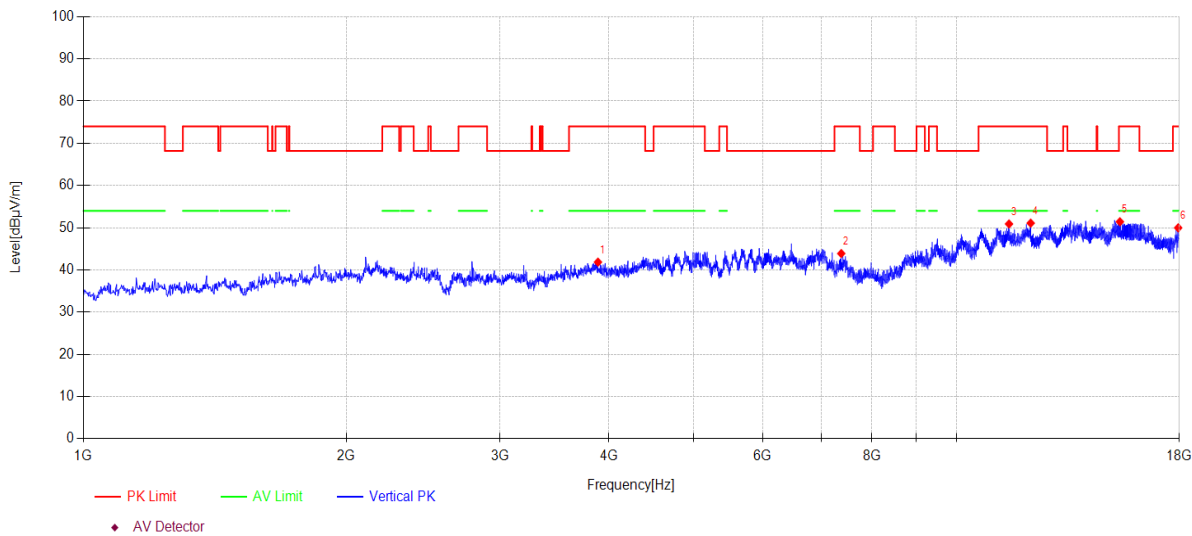
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d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\8

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3884.90	45.12	31.11	6.00	-40.38	41.85	74.00	32.15	PK	Vertical
2	7380.10	39.90	36.74	8.90	-41.65	43.89	74.00	30.11	PK	Vertical
3	11487.30	41.10	39.21	9.91	-39.32	50.90	74.00	23.10	PK	Vertical
4	12162.20	41.08	39.30	10.33	-39.62	51.09	74.00	22.91	PK	Vertical
5	15388.80	38.33	39.09	12.99	-38.99	51.42	74.00	22.58	PK	Vertical
6	17945.60	37.33	42.13	12.80	-42.28	49.98	74.00	24.02	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5280MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

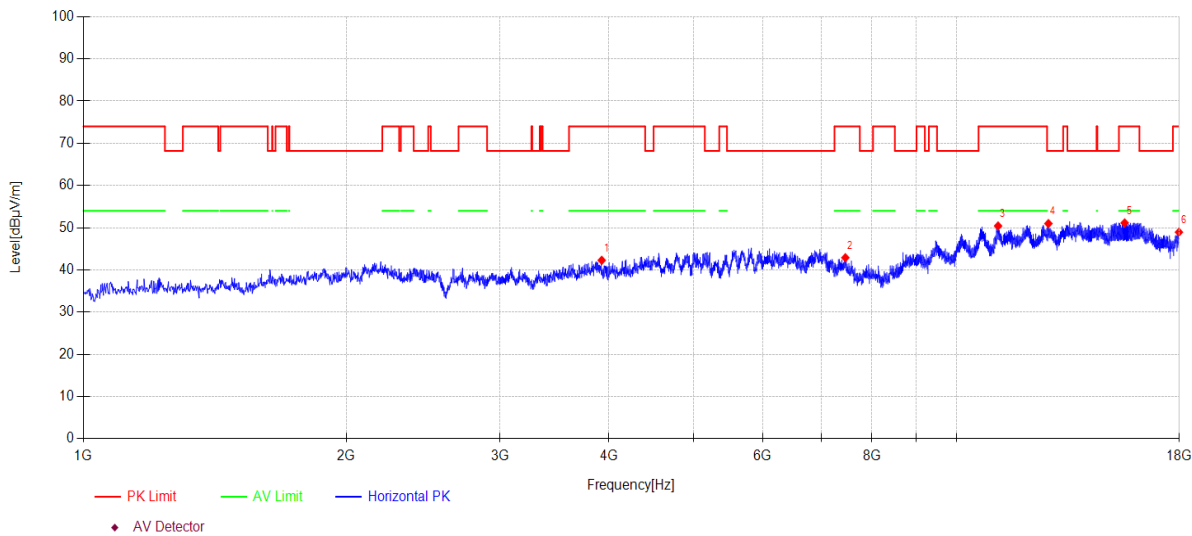
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d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\9

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3924.00	45.51	31.15	6.02	-40.40	42.28	74.00	31.72	PK	Horizontal
2	7460.00	39.29	36.58	8.89	-41.85	42.91	74.00	31.09	PK	Horizontal
3	11160.90	40.70	39.24	9.65	-39.17	50.42	74.00	23.58	PK	Horizontal
4	12743.60	40.78	39.69	10.36	-39.85	50.98	68.20	17.22	PK	Horizontal
5	15582.60	37.65	38.63	13.97	-39.11	51.14	74.00	22.86	PK	Horizontal
6	17981.30	36.17	42.31	12.83	-42.36	48.95	74.00	25.05	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5280MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

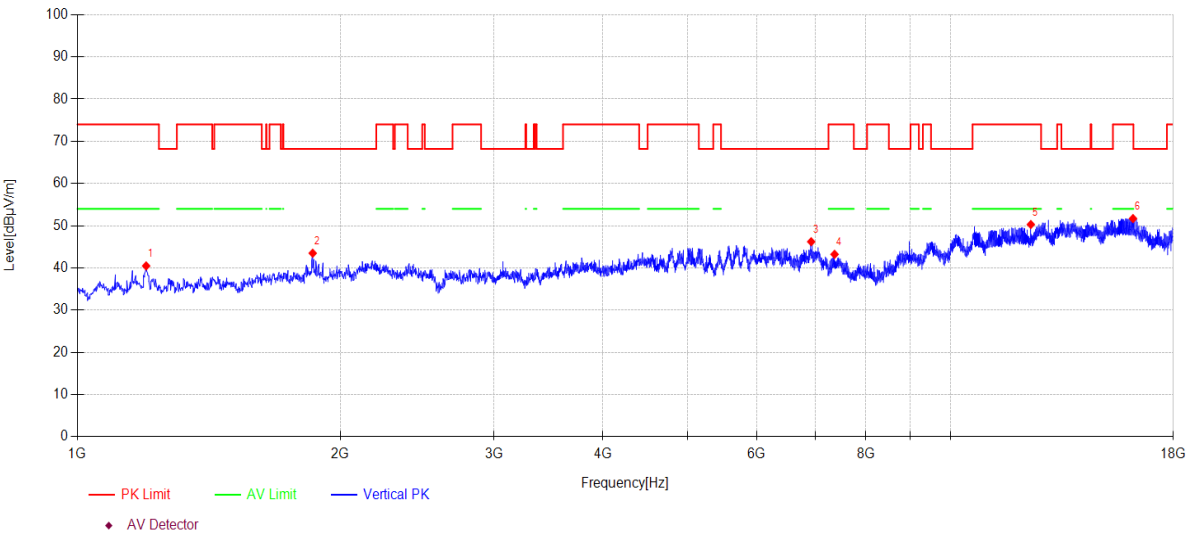
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1198.90	48.90	24.90	3.59	-36.91	40.48	74.00	33.52	PK	Vertical
2	1860.20	48.89	25.82	5.77	-36.99	43.49	68.20	24.71	PK	Vertical
3	6926.20	41.71	36.15	8.99	-40.64	46.21	68.20	21.99	PK	Vertical
4	7366.50	39.17	36.77	8.90	-41.62	43.22	74.00	30.78	PK	Vertical
5	12361.10	40.36	39.30	10.34	-39.70	50.30	74.00	23.70	PK	Vertical
6	16184.40	38.09	37.82	15.30	-39.51	51.70	74.00	22.30	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5320MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

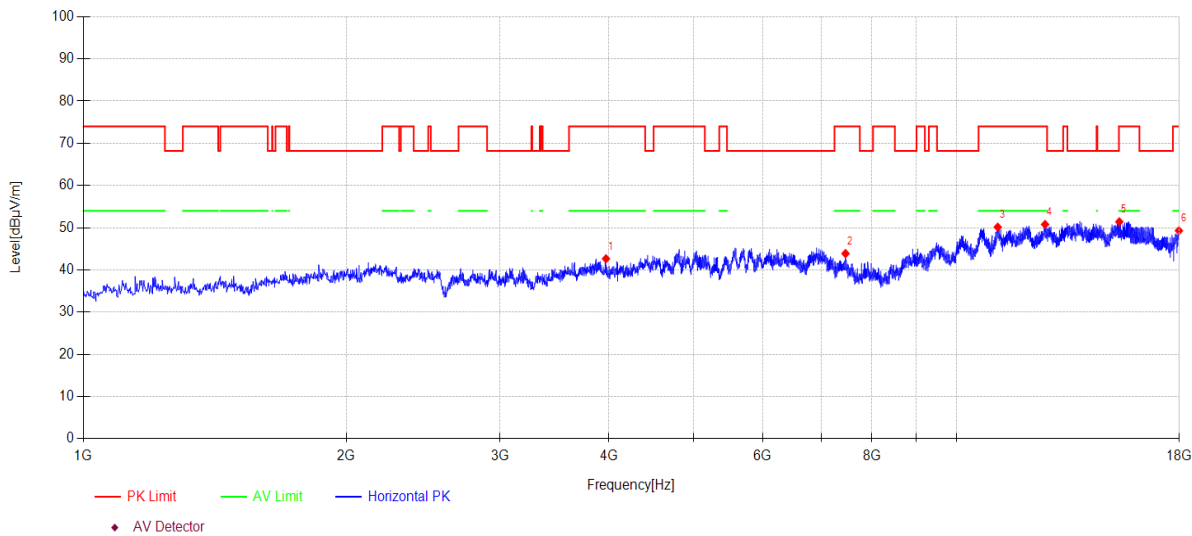
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3968.20	46.00	31.03	6.06	-40.43	42.66	74.00	31.34	PK	Horizontal
2	7463.40	40.28	36.57	8.89	-41.86	43.88	74.00	30.12	PK	Horizontal
3	11150.70	40.41	39.25	9.64	-39.16	50.14	74.00	23.86	PK	Horizontal
4	12631.40	40.78	39.46	10.36	-39.81	50.79	74.00	23.21	PK	Horizontal
5	15365.00	38.24	39.28	12.87	-38.98	51.41	74.00	22.59	PK	Horizontal
6	17979.60	36.52	42.30	12.83	-42.35	49.30	74.00	24.70	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5320MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

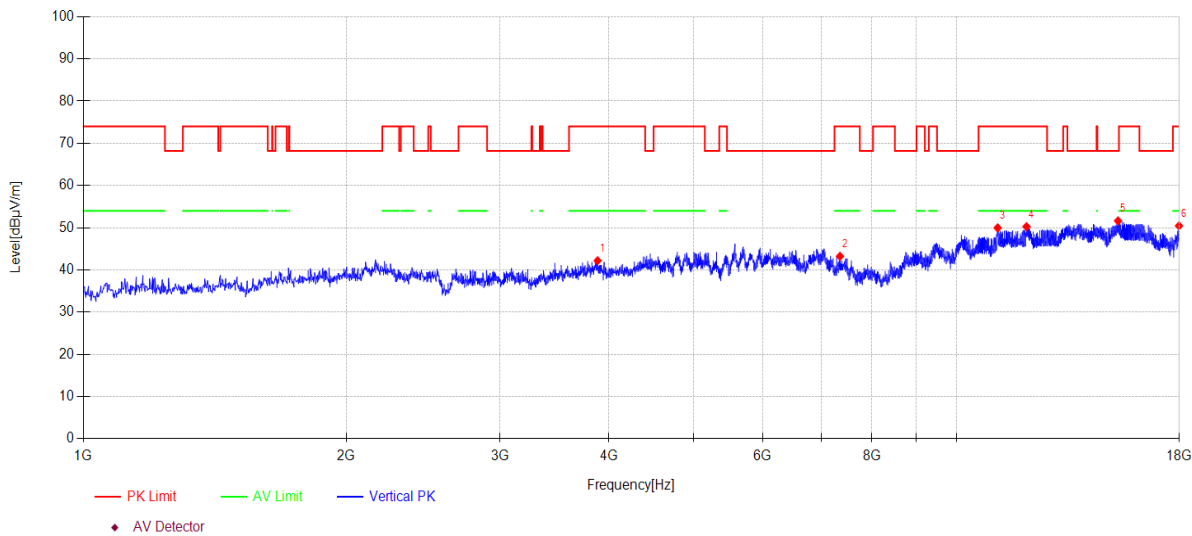
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d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\12

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3881.50	45.49	31.09	5.99	-40.38	42.19	74.00	31.81	PK	Vertical
2	7356.30	39.14	36.79	8.90	-41.59	43.24	74.00	30.76	PK	Vertical
3	11147.30	40.24	39.25	9.64	-39.16	49.97	74.00	24.03	PK	Vertical
4	12029.60	40.28	39.23	10.32	-39.57	50.26	74.00	23.74	PK	Vertical
5	15312.30	38.27	39.70	12.60	-38.95	51.62	68.20	16.58	PK	Vertical
6	17984.70	37.67	42.32	12.84	-42.37	50.46	74.00	23.54	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5500MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

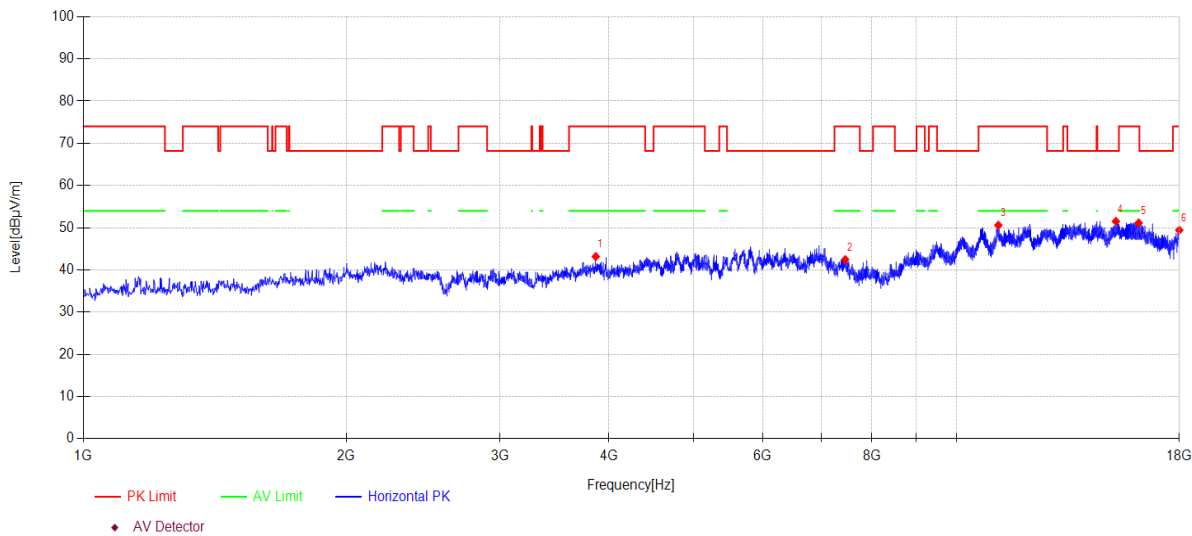
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3862.80	46.59	30.98	5.98	-40.37	43.18	74.00	30.82	PK	Horizontal
2	7458.30	38.83	36.58	8.89	-41.85	42.45	74.00	31.55	PK	Horizontal
3	11167.70	40.88	39.23	9.65	-39.17	50.59	74.00	23.41	PK	Horizontal
4	15229.00	39.07	39.16	12.18	-38.90	51.51	68.20	16.69	PK	Horizontal
5	16167.40	37.43	37.83	15.37	-39.50	51.13	74.00	22.87	PK	Horizontal
6	17998.30	36.58	42.39	12.85	-42.40	49.42	74.00	24.58	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5500MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

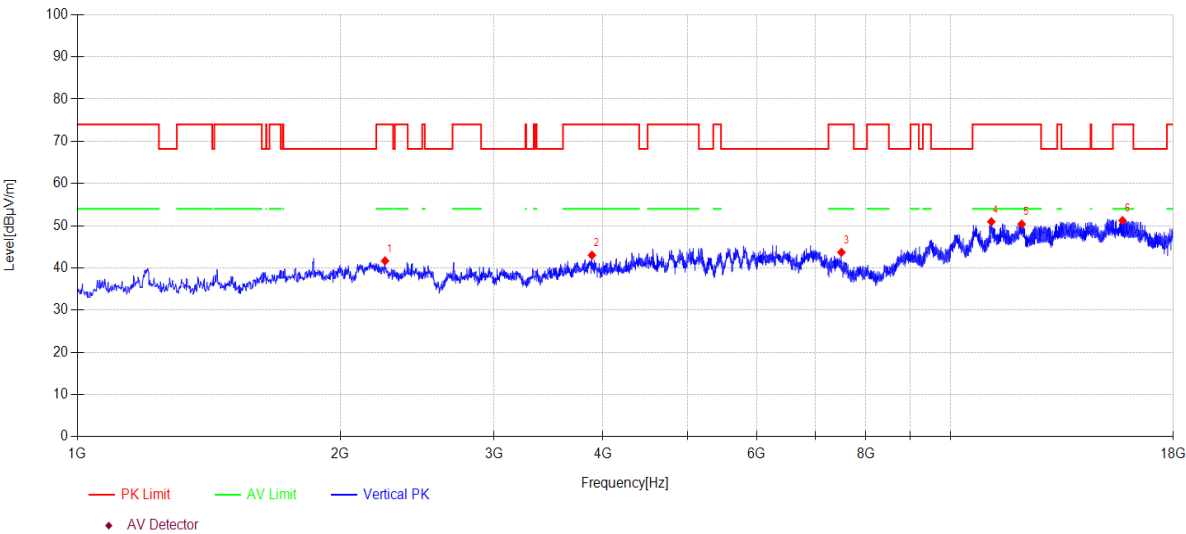
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2251.20	46.10	27.29	6.01	-37.72	41.68	74.00	32.32	PK	Vertical
2	3884.90	46.28	31.11	6.00	-40.38	43.01	74.00	30.99	PK	Vertical
3	7500.80	40.27	36.50	8.88	-41.95	43.70	74.00	30.30	PK	Vertical
4	11138.80	41.21	39.26	9.63	-39.16	50.94	74.00	23.06	PK	Vertical
5	12065.30	40.39	39.27	10.32	-39.59	50.39	74.00	23.61	PK	Vertical
6	15740.70	37.25	38.42	14.76	-39.20	51.23	74.00	22.77	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5580MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

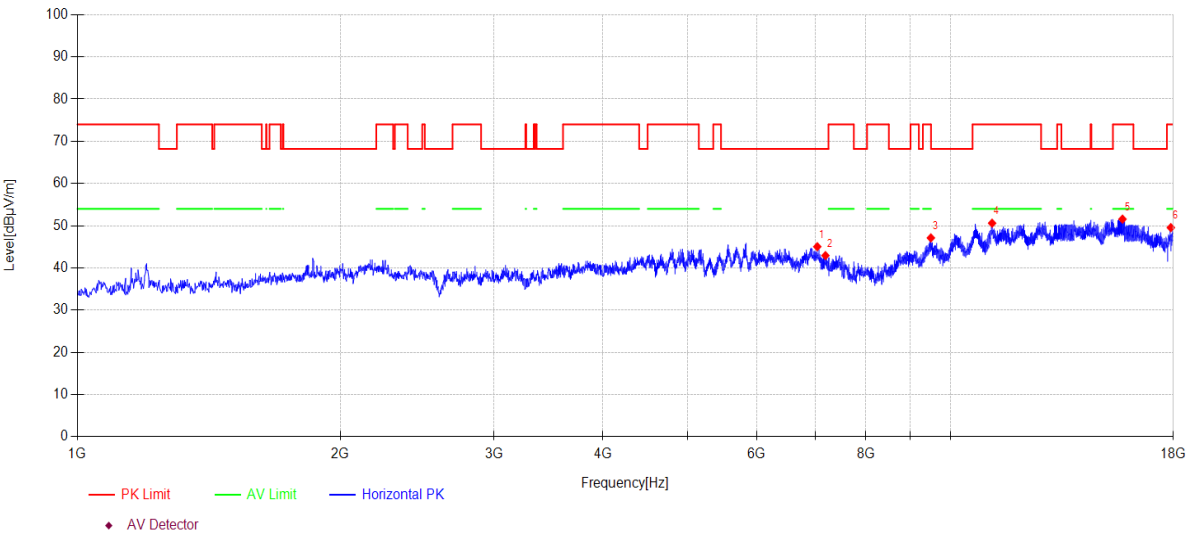
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	7038.40	40.64	36.25	8.95	-40.80	45.04	68.20	23.16	PK	Horizontal
2	7191.40	38.40	36.78	8.93	-41.18	42.93	68.20	25.27	PK	Horizontal
3	9496.60	37.95	38.70	9.23	-38.76	47.12	74.00	26.88	PK	Horizontal
4	11160.90	40.89	39.24	9.65	-39.17	50.61	74.00	23.39	PK	Horizontal
5	15740.70	37.58	38.42	14.76	-39.20	51.56	74.00	22.44	PK	Horizontal
6	17881.00	37.26	41.69	12.73	-42.13	49.55	74.00	24.45	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5580MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

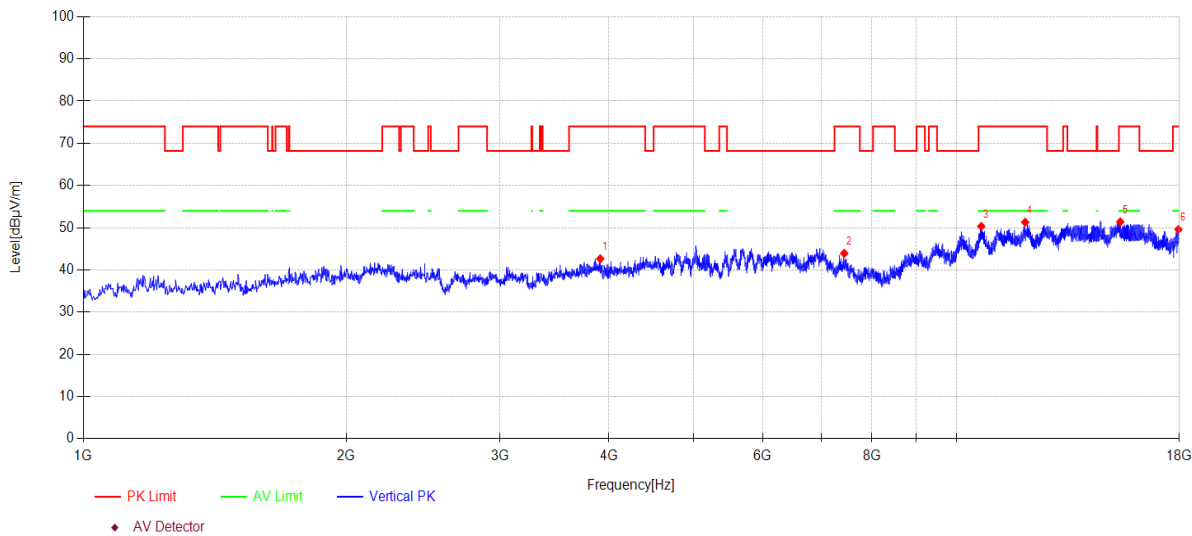
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3908.70	45.85	31.18	6.01	-40.39	42.65	74.00	31.35	PK	Vertical
2	7437.90	40.20	36.62	8.89	-41.79	43.92	74.00	30.08	PK	Vertical
3	10676.40	40.45	39.35	9.49	-38.97	50.32	74.00	23.68	PK	Vertical
4	11987.10	41.39	39.16	10.31	-39.55	51.31	74.00	22.69	PK	Vertical
5	15402.40	38.32	39.00	13.06	-39.00	51.38	74.00	22.62	PK	Vertical
6	17957.50	36.91	42.19	12.81	-42.31	49.60	74.00	24.40	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5700MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

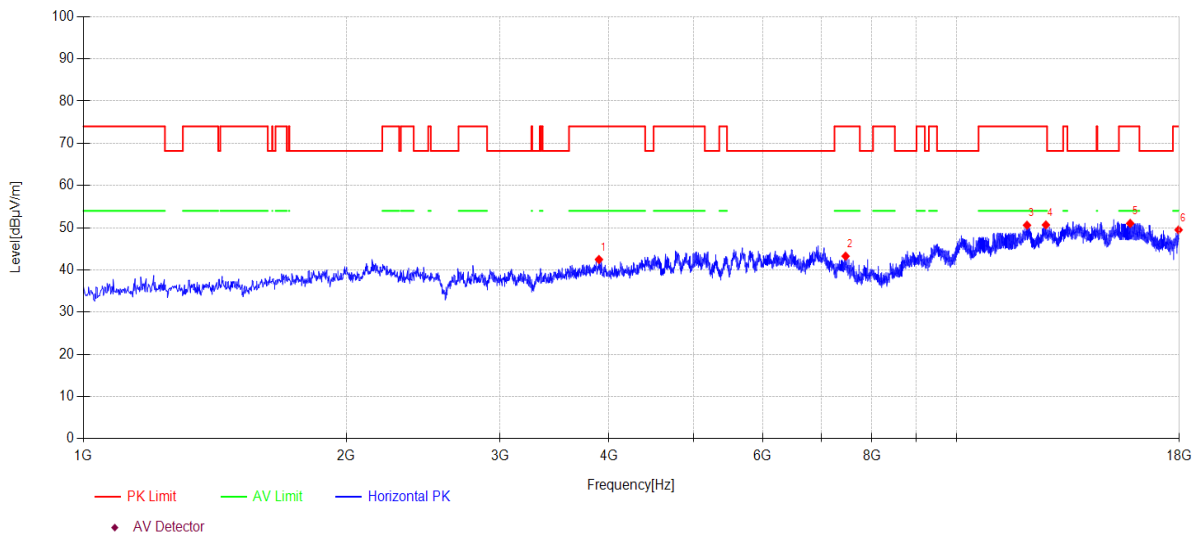
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3895.10	45.69	31.17	6.00	-40.39	42.47	74.00	31.53	PK	Horizontal
2	7465.10	39.66	36.57	8.89	-41.86	43.26	74.00	30.74	PK	Horizontal
3	12044.90	40.61	39.24	10.32	-39.58	50.59	74.00	23.41	PK	Horizontal
4	12660.30	40.61	39.52	10.36	-39.82	50.67	74.00	23.33	PK	Horizontal
5	15812.10	36.87	38.28	15.12	-39.25	51.02	74.00	22.98	PK	Horizontal
6	17967.70	36.76	42.24	12.82	-42.33	49.49	74.00	24.51	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5700MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

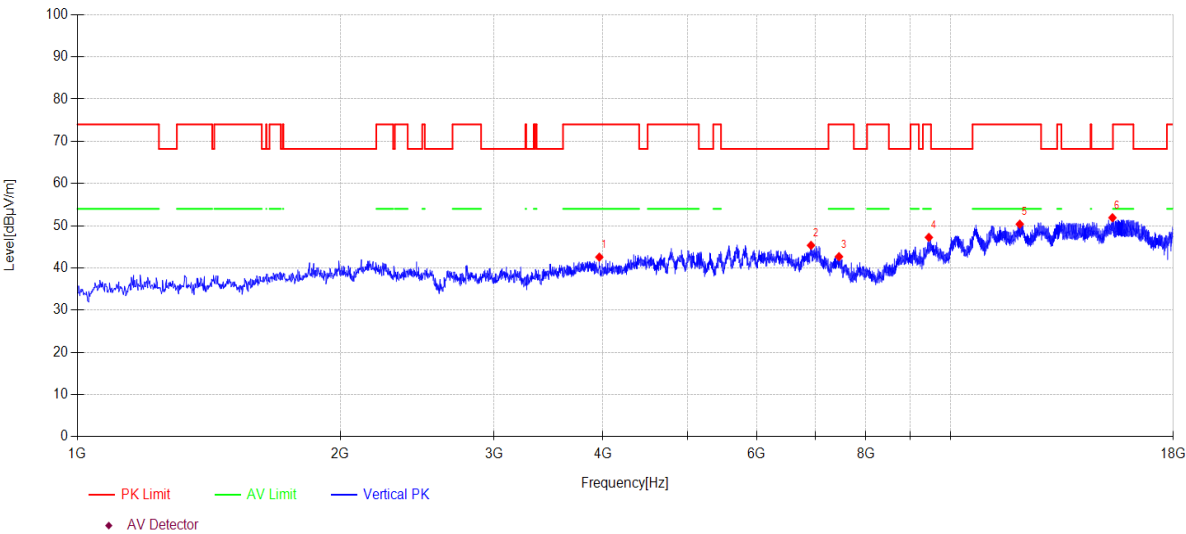
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3961.40	45.89	31.05	6.05	-40.43	42.56	74.00	31.44	PK	Vertical
2	6922.80	40.84	36.15	8.99	-40.64	45.34	68.20	22.86	PK	Vertical
3	7453.20	39.02	36.59	8.89	-41.83	42.67	74.00	31.33	PK	Vertical
4	9447.30	38.09	38.70	9.21	-38.76	47.24	74.00	26.76	PK	Vertical
5	12005.80	40.40	39.21	10.32	-39.56	50.37	74.00	23.63	PK	Vertical
6	15331.00	38.61	39.55	12.70	-38.96	51.90	68.20	16.30	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

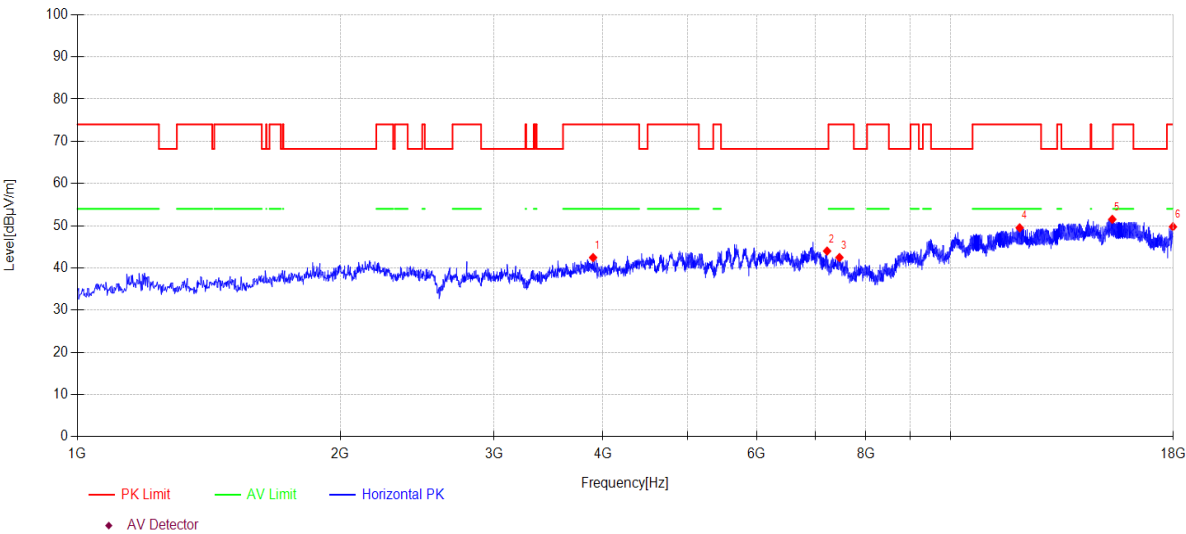
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3896.80	45.67	31.18	6.00	-40.39	42.46	74.00	31.54	PK	Horizontal
2	7222.00	39.54	36.80	8.92	-41.26	44.00	68.20	24.20	PK	Horizontal
3	7461.70	38.85	36.58	8.89	-41.85	42.47	74.00	31.53	PK	Horizontal
4	12002.40	39.55	39.20	10.32	-39.56	49.51	74.00	24.49	PK	Horizontal
5	15322.50	38.18	39.62	12.66	-38.95	51.51	68.20	16.69	PK	Horizontal
6	17981.30	36.98	42.31	12.83	-42.36	49.76	74.00	24.24	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

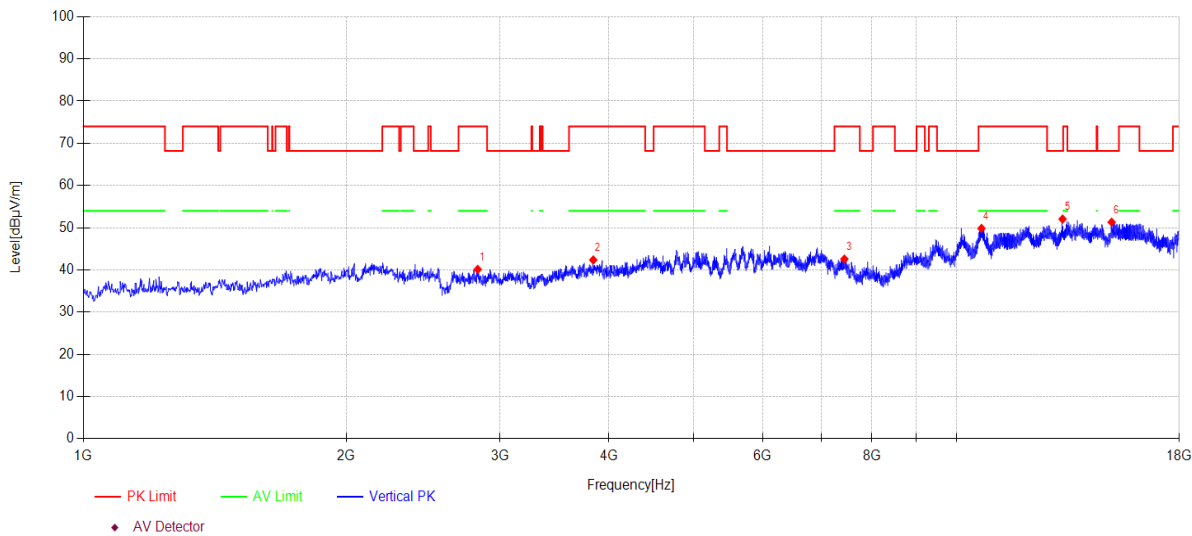
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2829.20	46.37	27.63	5.50	-39.36	40.14	74.00	33.86	PK	Vertical
2	3837.30	45.91	30.85	5.96	-40.35	42.37	74.00	31.63	PK	Vertical
3	7441.30	38.87	36.62	8.89	-41.80	42.58	74.00	31.42	PK	Vertical
4	10681.50	39.96	39.36	9.49	-38.97	49.84	74.00	24.16	PK	Vertical
5	13231.50	41.43	40.03	10.47	-39.88	52.05	68.20	16.15	PK	Vertical
6	15057.30	39.55	39.24	11.32	-38.79	51.32	68.20	16.88	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11A ANT1 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

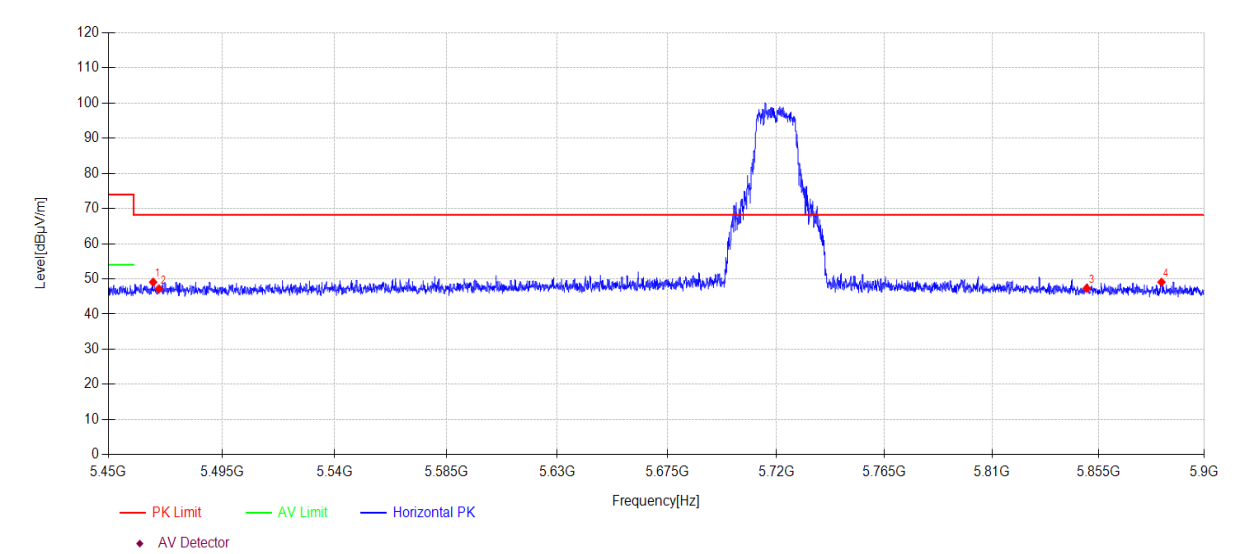
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\109

Memo: Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5467.69	10.34	33.00	5.74	0.00	49.08	68.20	19.12	PK	Horizontal
2	5470.00	8.41	33.00	5.75	0.00	47.16	68.20	21.04	PK	Horizontal
3	5850.00	7.38	34.00	5.94	0.00	47.32	68.20	20.88	PK	Horizontal
4	5881.73	9.07	34.06	5.95	0.00	49.08	68.20	19.12	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11A ANT1 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

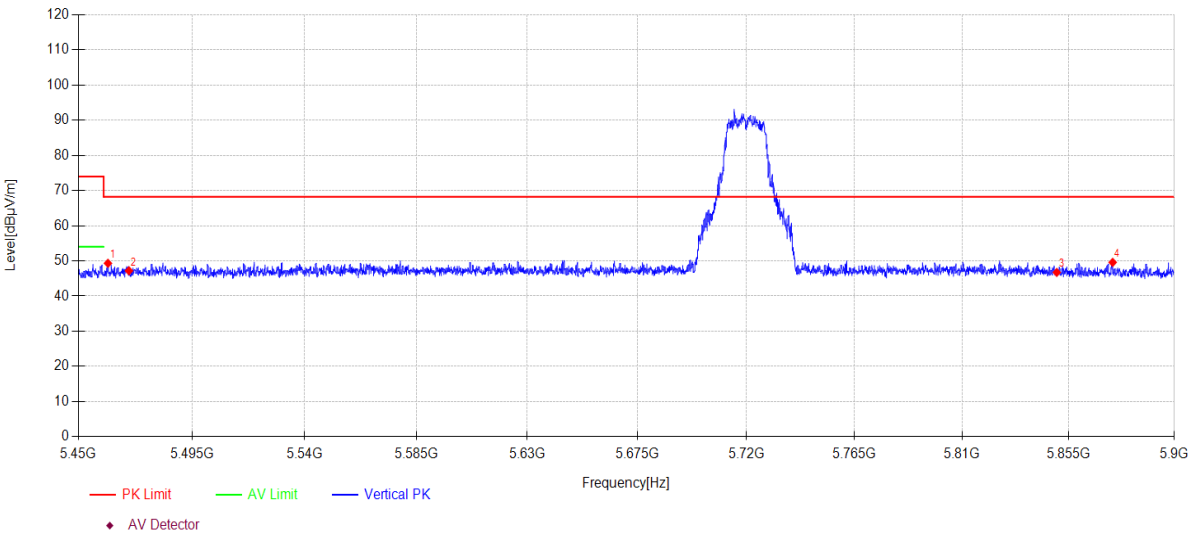
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5461.70	10.58	33.00	5.74	0.00	49.32	68.20	18.88	PK	Vertical
2	5470.00	8.44	33.00	5.75	0.00	47.19	68.20	21.01	PK	Vertical
3	5850.00	6.79	34.00	5.94	0.00	46.73	68.20	21.47	PK	Vertical
4	5873.72	9.59	34.05	5.95	0.00	49.59	68.20	18.61	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11A ANT2 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

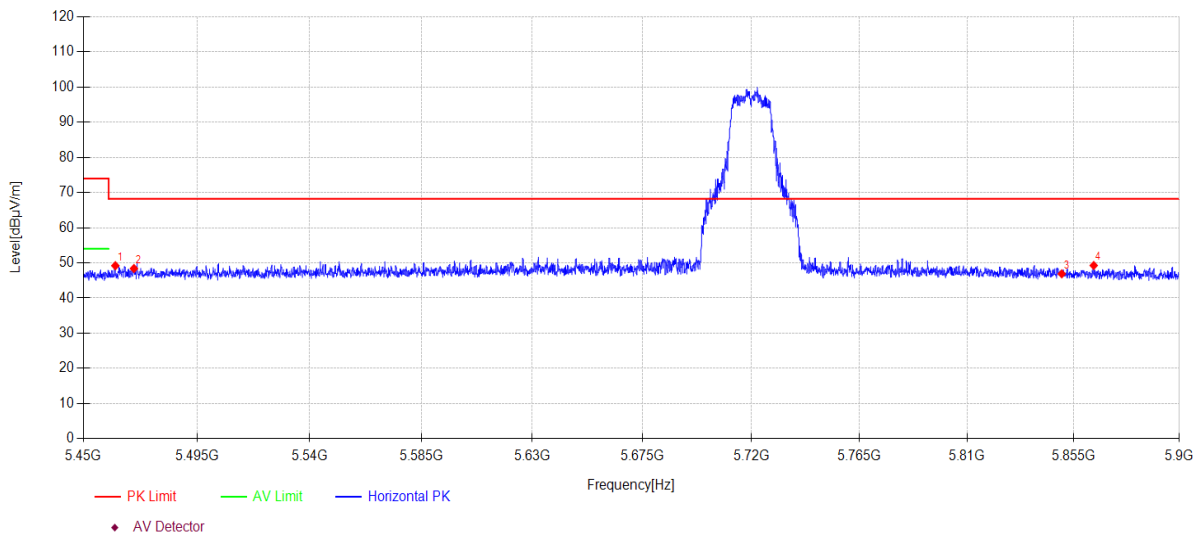
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5462.65	10.46	33.00	5.74	0.00	49.20	68.20	19.00	PK	Horizontal
2	5470.00	9.65	33.00	5.75	0.00	48.40	68.20	19.80	PK	Horizontal
3	5850.00	6.95	34.00	5.94	0.00	46.89	68.20	21.31	PK	Horizontal
4	5863.55	9.30	34.03	5.94	0.00	49.27	68.20	18.93	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11A ANT2 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

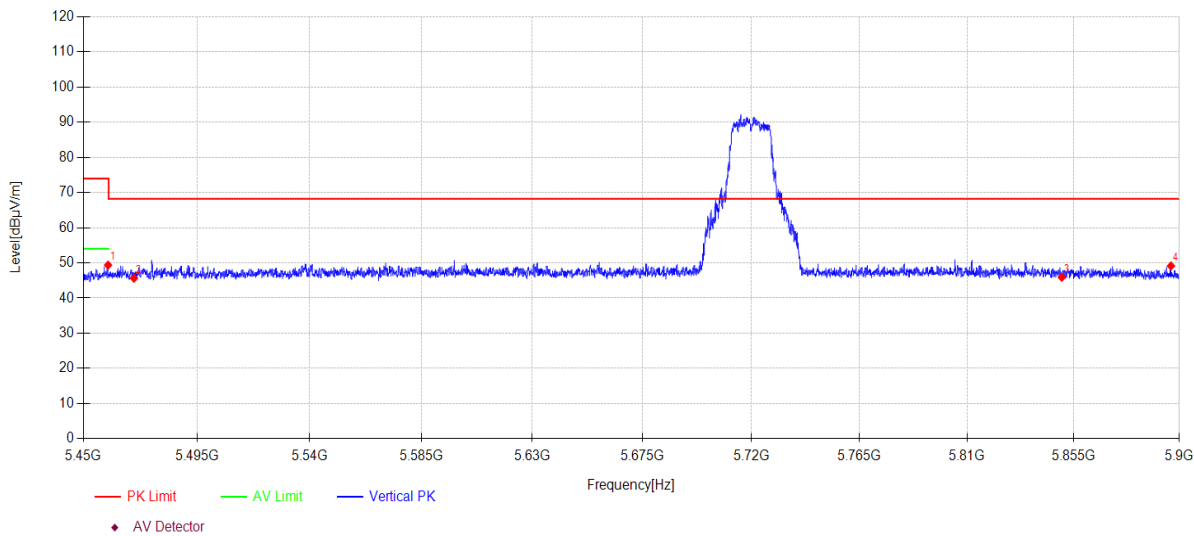
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5459.77	10.63	33.00	5.74	0.00	49.37	74.00	24.63	PK	Vertical
2	5470.00	6.88	33.00	5.75	0.00	45.63	68.20	22.57	PK	Vertical
3	5850.00	5.97	34.00	5.94	0.00	45.91	68.20	22.29	PK	Vertical
4	5896.45	9.08	34.09	5.96	0.00	49.13	68.20	19.07	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11N20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

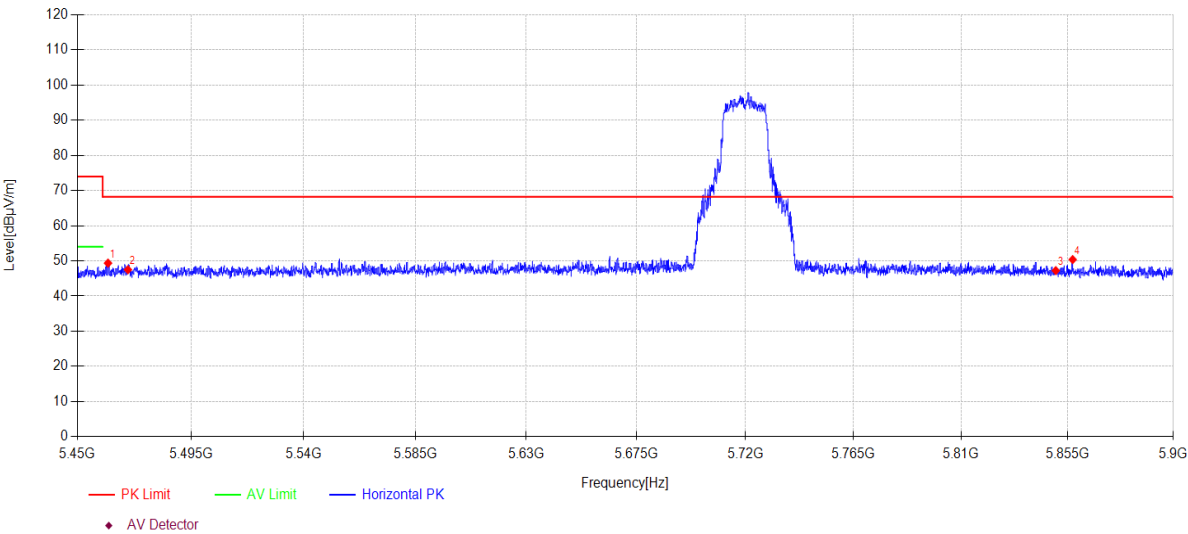
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5462.11	10.62	33.00	5.74	0.00	49.36	68.20	18.84	PK	Horizontal
2	5470.00	8.74	33.00	5.75	0.00	47.49	68.20	20.71	PK	Horizontal
3	5850.00	7.30	34.00	5.94	0.00	47.24	68.20	20.96	PK	Horizontal
4	5857.16	10.43	34.01	5.94	0.00	50.38	68.20	17.82	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11N20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

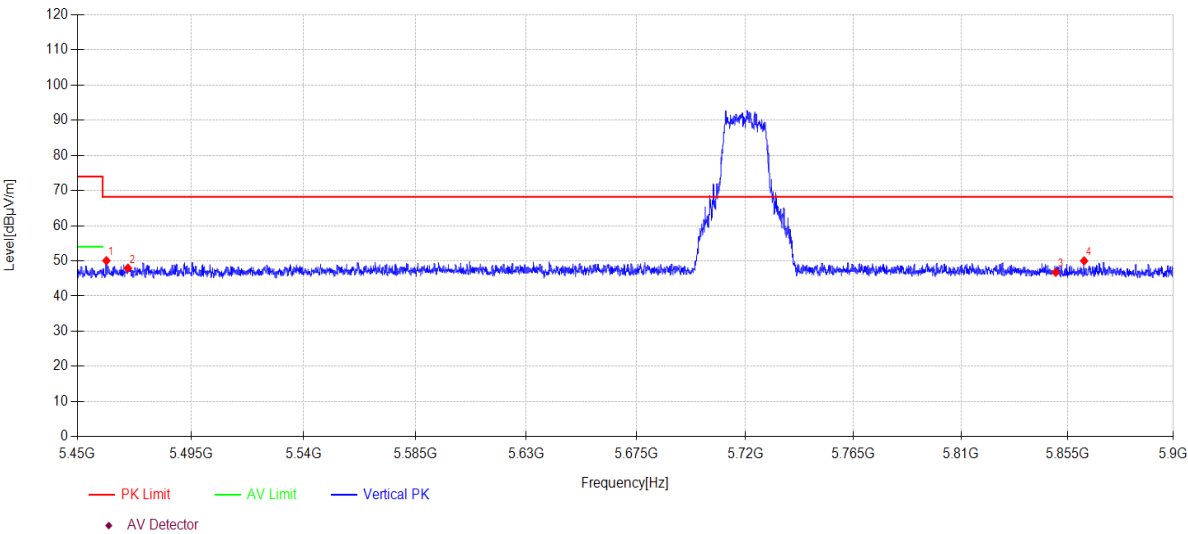
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5461.48	11.33	33.00	5.74	0.00	50.07	68.20	18.13	PK	Vertical
2	5470.00	9.20	33.00	5.75	0.00	47.95	68.20	20.25	PK	Vertical
3	5850.00	6.81	34.00	5.94	0.00	46.75	68.20	21.45	PK	Vertical
4	5862.02	10.06	34.02	5.94	0.00	50.02	68.20	18.18	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AC20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

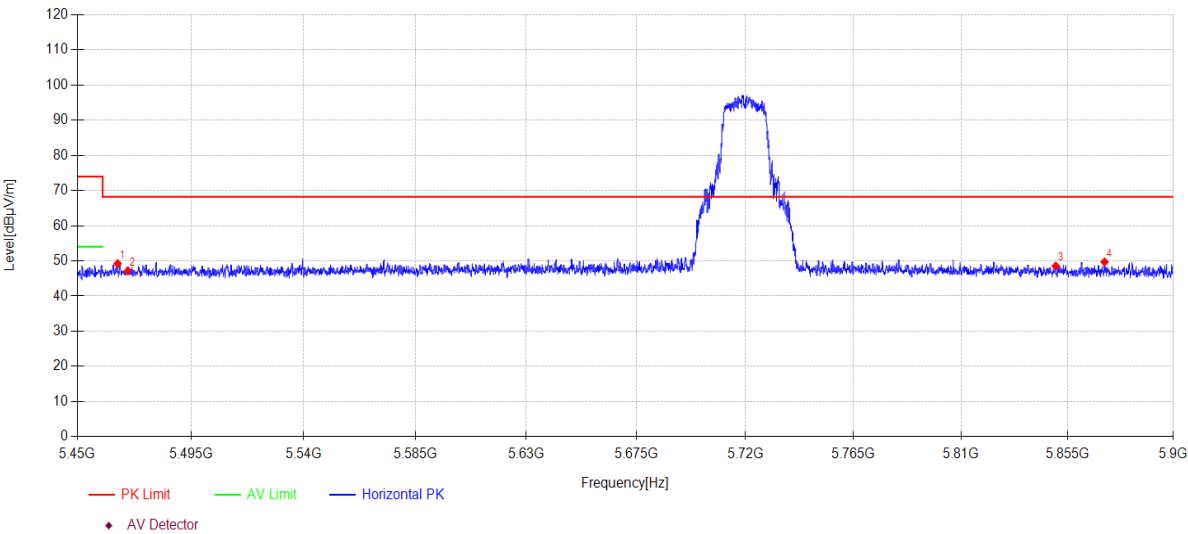
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5465.93	10.47	33.00	5.74	0.00	49.21	68.20	18.99	PK	Horizontal
2	5470.00	8.41	33.00	5.75	0.00	47.16	68.20	21.04	PK	Horizontal
3	5850.00	8.58	34.00	5.94	0.00	48.52	68.20	19.68	PK	Horizontal
4	5870.71	9.71	34.04	5.95	0.00	49.70	68.20	18.50	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AC20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

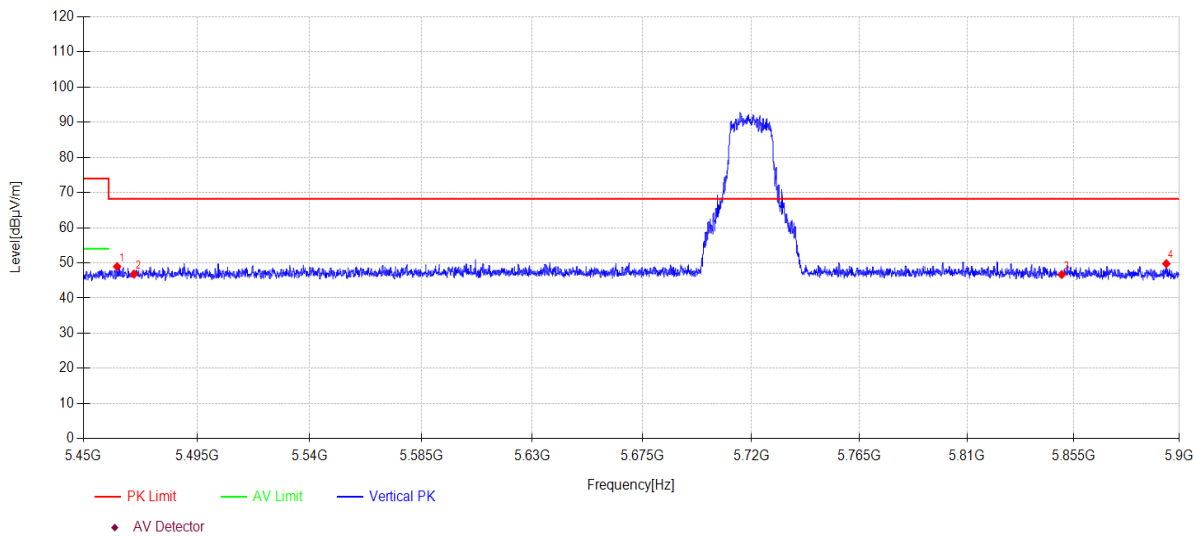
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5463.32	10.22	33.00	5.74	0.00	48.96	68.20	19.24	PK	Vertical
2	5470.00	8.07	33.00	5.75	0.00	46.82	68.20	21.38	PK	Vertical
3	5850.00	6.77	34.00	5.94	0.00	46.71	68.20	21.49	PK	Vertical
4	5894.47	9.74	34.09	5.96	0.00	49.79	68.20	18.41	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

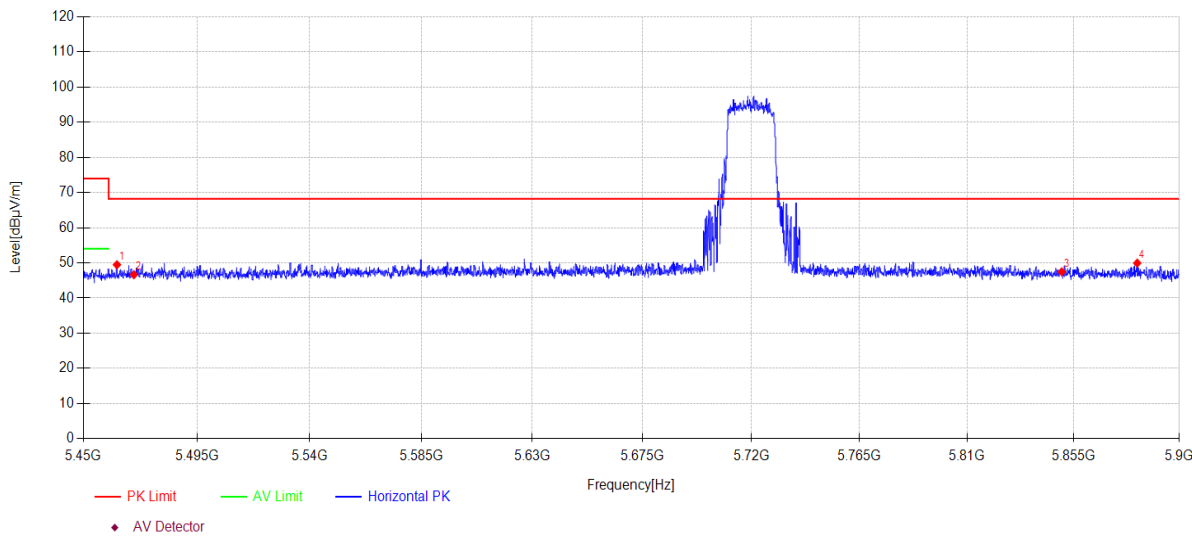
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5463.28	10.74	33.00	5.74	0.00	49.48	68.20	18.72	PK	Horizontal
2	5470.00	7.91	33.00	5.75	0.00	46.66	68.20	21.54	PK	Horizontal
3	5850.00	7.53	34.00	5.94	0.00	47.47	68.20	20.73	PK	Horizontal
4	5882.05	9.93	34.06	5.95	0.00	49.94	68.20	18.26	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

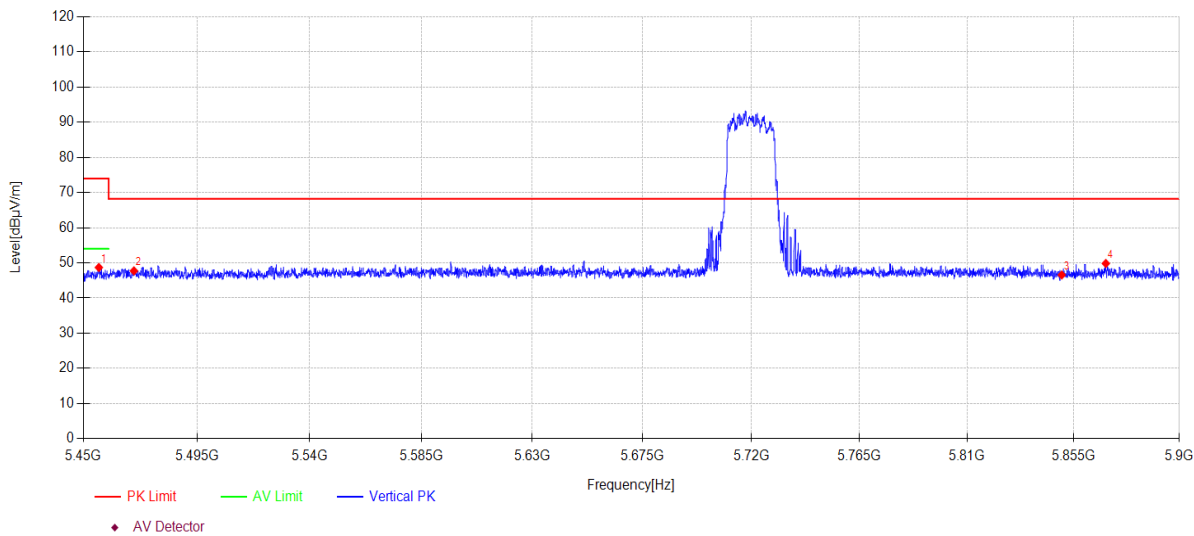
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5456.12	9.96	33.00	5.74	0.00	48.70	74.00	25.30	PK	Vertical
2	5470.00	8.99	33.00	5.75	0.00	47.74	68.20	20.46	PK	Vertical
3	5850.00	6.63	34.00	5.94	0.00	46.57	68.20	21.63	PK	Vertical
4	5868.68	9.86	34.04	5.94	0.00	49.84	68.20	18.36	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11N40MIMO 5710MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

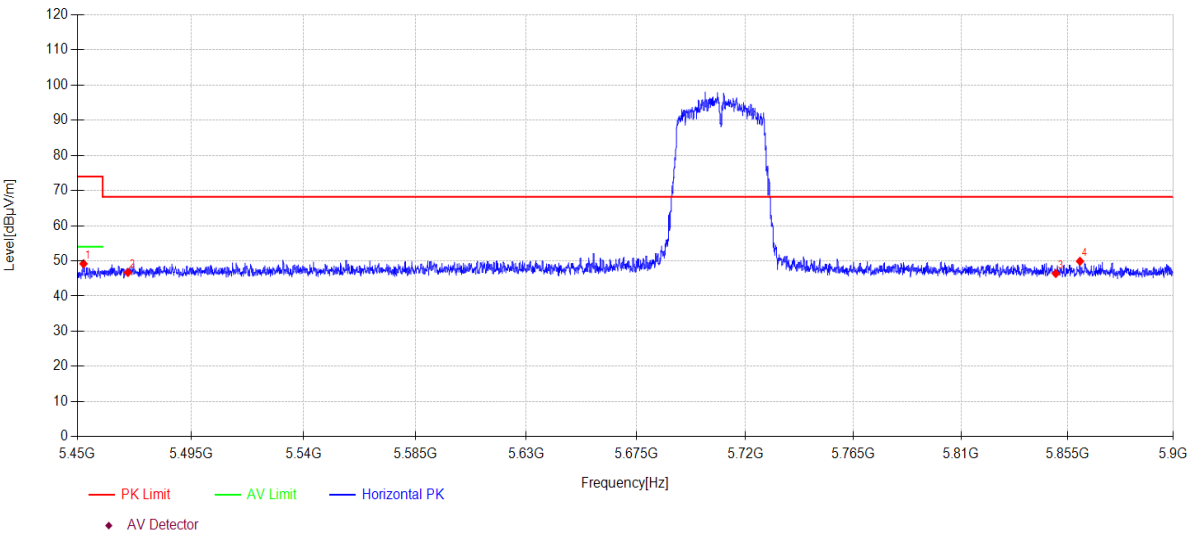
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5452.43	10.45	33.00	5.74	0.00	49.19	74.00	24.81	PK	Horizontal
2	5470.00	7.96	33.00	5.75	0.00	46.71	68.20	21.49	PK	Horizontal
3	5850.00	6.48	34.00	5.94	0.00	46.42	68.20	21.78	PK	Horizontal
4	5860.27	9.94	34.02	5.94	0.00	49.90	68.20	18.30	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11N40MIMO 5710MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

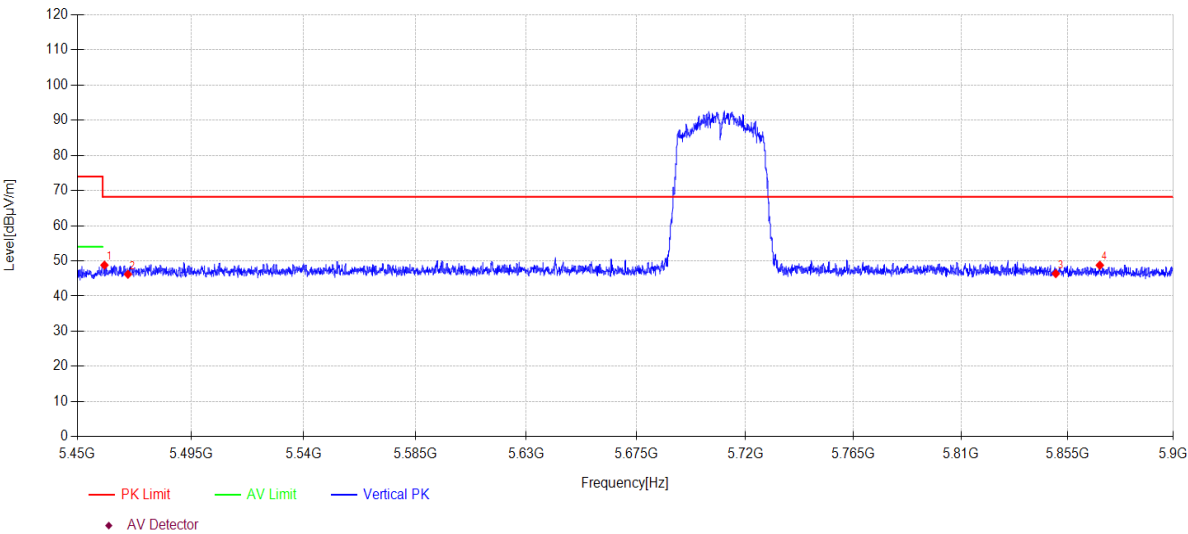
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5460.71	10.06	33.00	5.74	0.00	48.80	68.20	19.40	PK	Vertical
2	5470.00	7.45	33.00	5.75	0.00	46.20	68.20	22.00	PK	Vertical
3	5850.00	6.45	34.00	5.94	0.00	46.39	68.20	21.81	PK	Vertical
4	5868.68	8.79	34.04	5.94	0.00	48.77	68.20	19.43	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AC40MIMO 5710MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

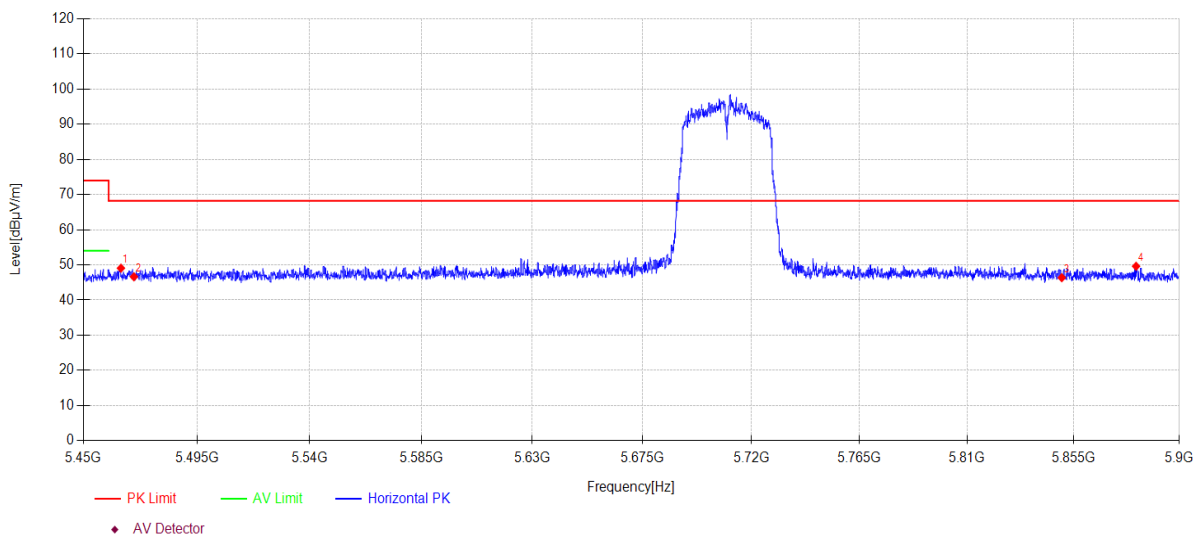
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5464.85	10.33	33.00	5.74	0.00	49.07	68.20	19.13	PK	Horizontal
2	5470.00	7.87	33.00	5.75	0.00	46.62	68.20	21.58	PK	Horizontal
3	5850.00	6.43	34.00	5.94	0.00	46.37	68.20	21.83	PK	Horizontal
4	5881.55	9.60	34.06	5.95	0.00	49.61	68.20	18.59	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AC40MIMO 5710MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

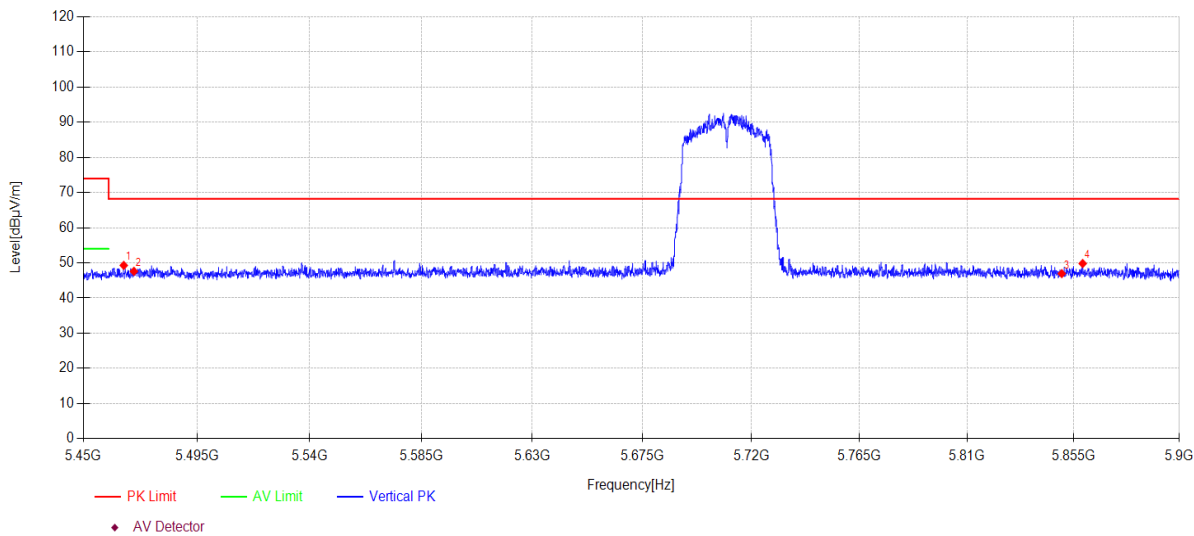
File Path:

d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\122

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5465.98	10.55	33.00	5.74	0.00	49.29	68.20	18.91	PK	Vertical
2	5470.00	8.86	33.00	5.75	0.00	47.61	68.20	20.59	PK	Vertical
3	5850.00	7.01	34.00	5.94	0.00	46.95	68.20	21.25	PK	Vertical
4	5858.87	9.86	34.02	5.94	0.00	49.82	68.20	18.38	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX40MIMO 5710MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

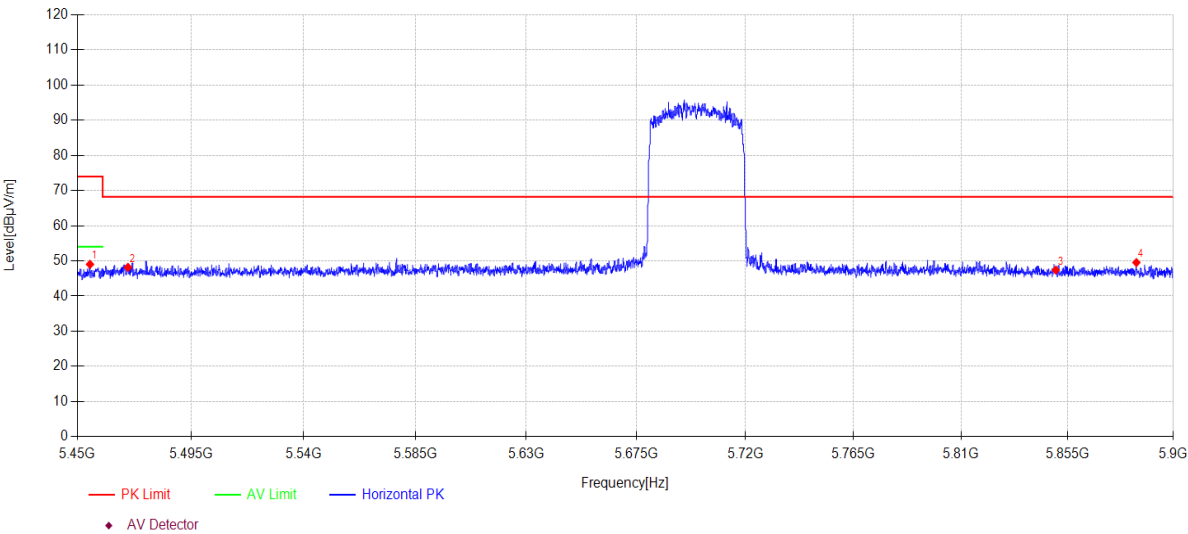
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d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\123

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5455.00	10.28	33.00	5.74	0.00	49.02	74.00	24.98	PK	Horizontal
2	5470.00	9.43	33.00	5.75	0.00	48.18	68.20	20.02	PK	Horizontal
3	5850.00	7.46	34.00	5.94	0.00	47.40	68.20	20.80	PK	Horizontal
4	5884.25	9.52	34.07	5.95	0.00	49.54	68.20	18.66	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX40MIMO 5710MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

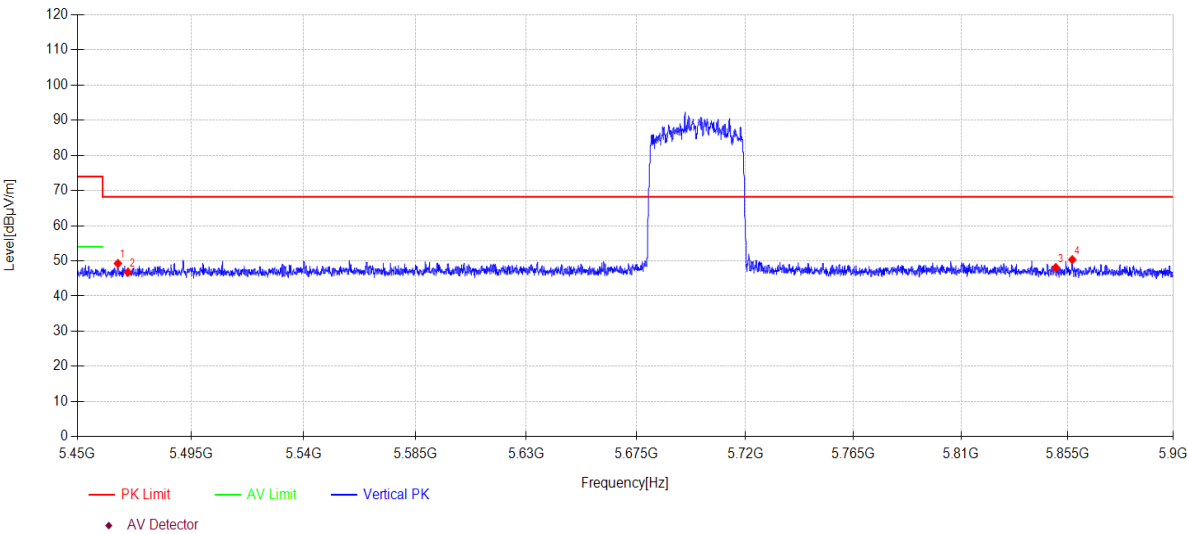
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d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\124

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5466.02	10.53	33.00	5.74	0.00	49.27	68.20	18.93	PK	Vertical
2	5470.00	8.03	33.00	5.75	0.00	46.78	68.20	21.42	PK	Vertical
3	5850.00	8.17	34.00	5.94	0.00	48.11	68.20	20.09	PK	Vertical
4	5857.03	10.40	34.01	5.94	0.00	50.35	68.20	17.85	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AC80MIMO 5690MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

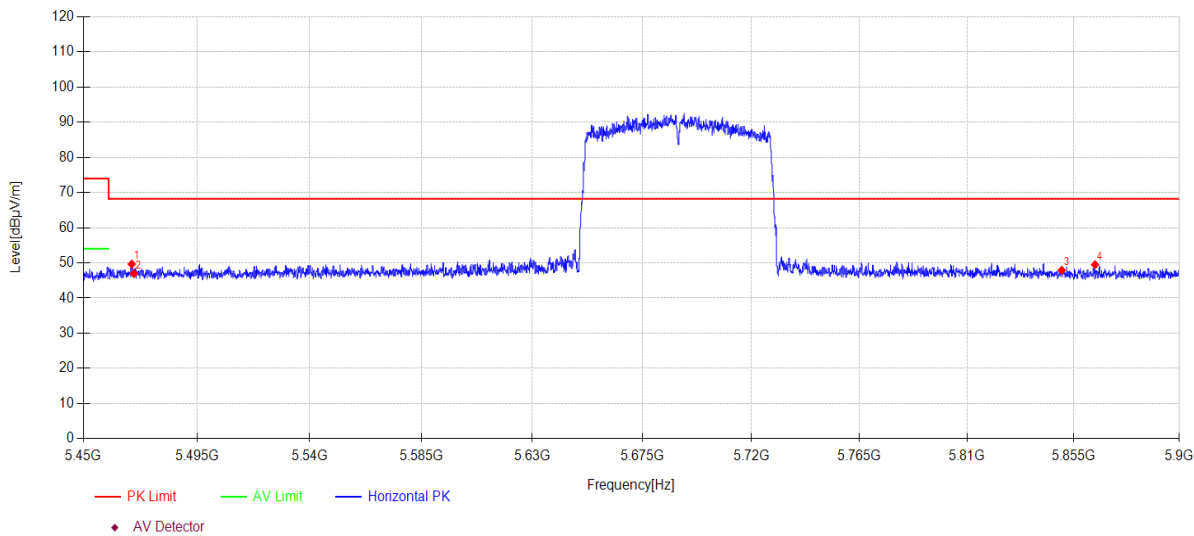
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5469.13	10.93	33.00	5.74	0.00	49.67	68.20	18.53	PK	Horizontal
2	5470.00	8.21	33.00	5.75	0.00	46.96	68.20	21.24	PK	Horizontal
3	5850.00	7.97	34.00	5.94	0.00	47.91	68.20	20.29	PK	Horizontal
4	5864.09	9.51	34.03	5.94	0.00	49.48	68.20	18.72	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AC80MIMO 5690MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

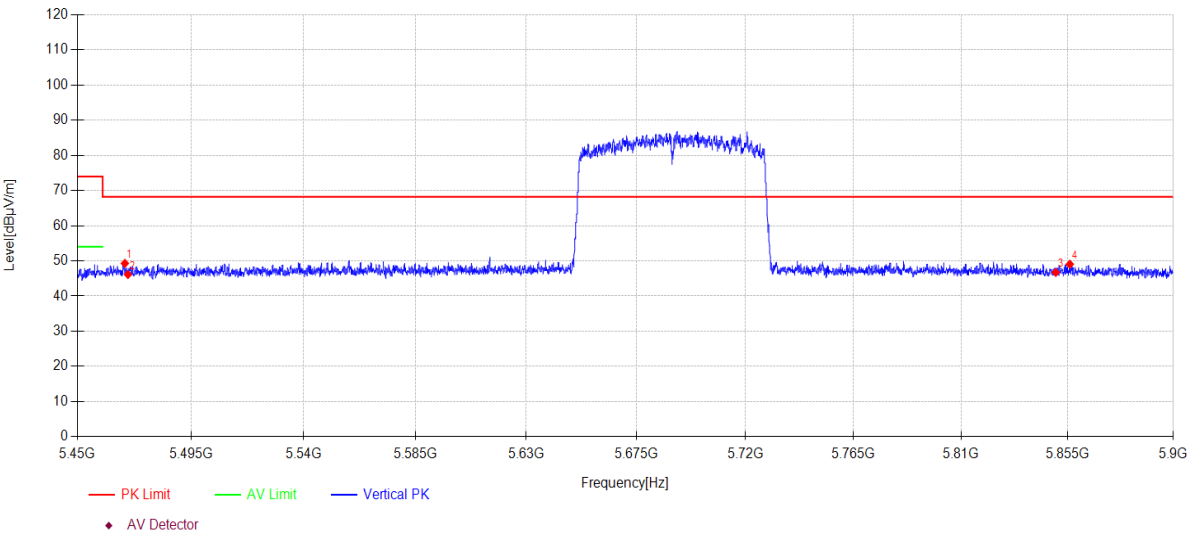
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d:\ts\2024 report data\Q23111312-2E BOOMBOX 3 Wi-Fi\FCC ABOVE 1G 5GWIFI\126

Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5468.77	10.55	33.00	5.74	0.00	49.29	68.20	18.91	PK	Vertical
2	5470.00	7.38	33.00	5.75	0.00	46.13	68.20	22.07	PK	Vertical
3	5850.00	6.80	34.00	5.94	0.00	46.74	68.20	21.46	PK	Vertical
4	5855.95	9.10	34.01	5.94	0.00	49.05	68.20	19.15	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX80MIMO 5690MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

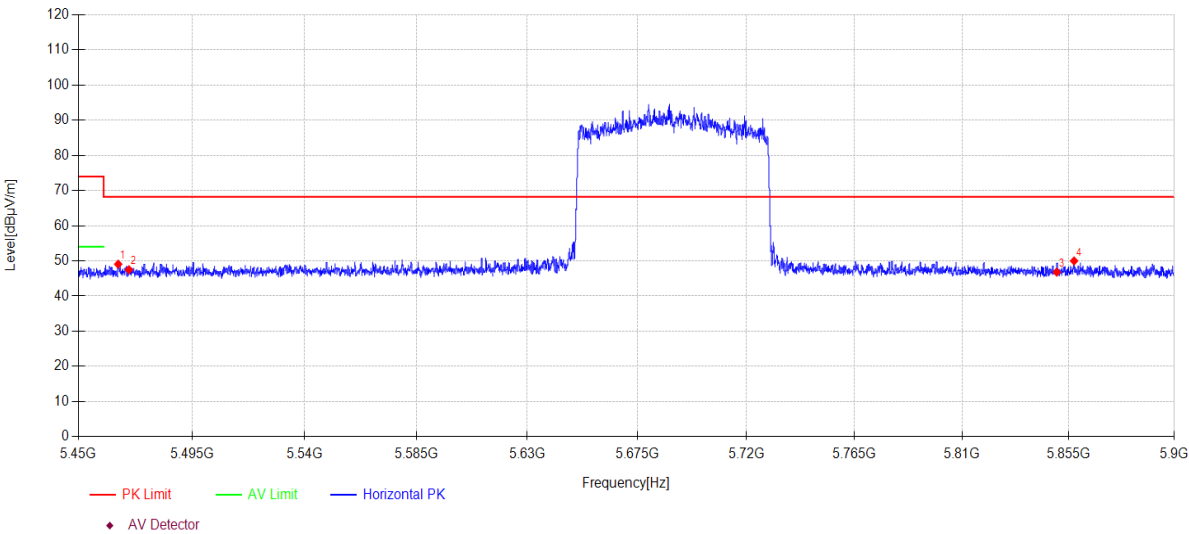
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5465.75	10.33	33.00	5.74	0.00	49.07	68.20	19.13	PK	Horizontal
2	5470.00	8.74	33.00	5.75	0.00	47.49	68.20	20.71	PK	Horizontal
3	5850.00	6.87	34.00	5.94	0.00	46.81	68.20	21.39	PK	Horizontal
4	5857.34	10.04	34.01	5.94	0.00	49.99	68.20	18.21	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX80MIMO 5690MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

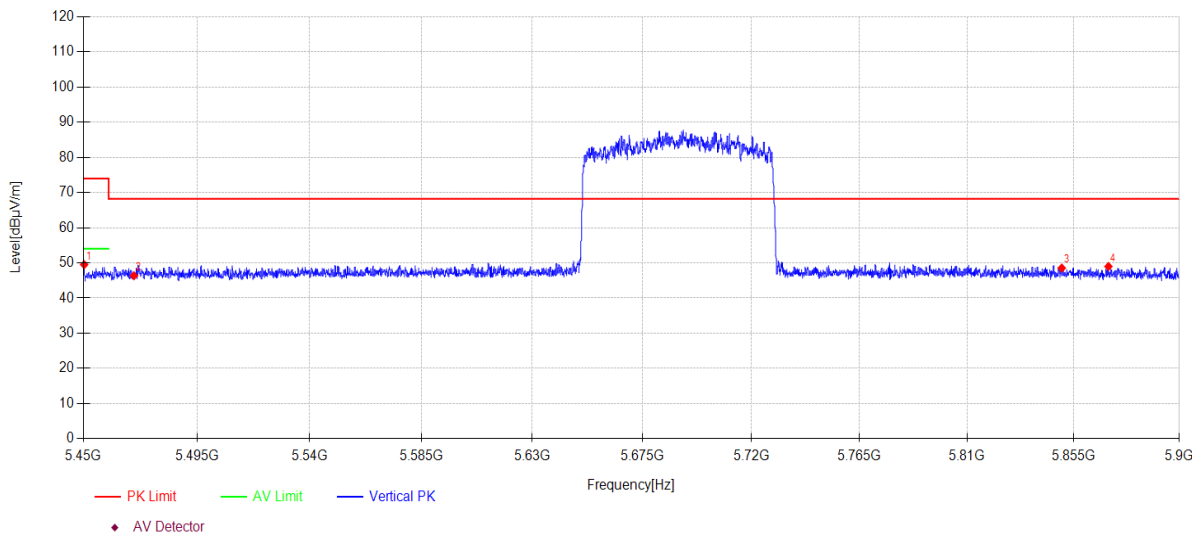
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5450.32	10.76	33.00	5.74	0.00	49.50	74.00	24.50	PK	Vertical
2	5470.00	7.60	33.00	5.75	0.00	46.35	68.20	21.85	PK	Vertical
3	5850.00	8.59	34.00	5.94	0.00	48.53	68.20	19.67	PK	Vertical
4	5869.81	9.00	34.04	5.94	0.00	48.98	68.20	19.22	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:

2024-02-02

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

BOOMBOX 3 Wi-Fi

Test Mode:

11AX20MIMO 5745MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

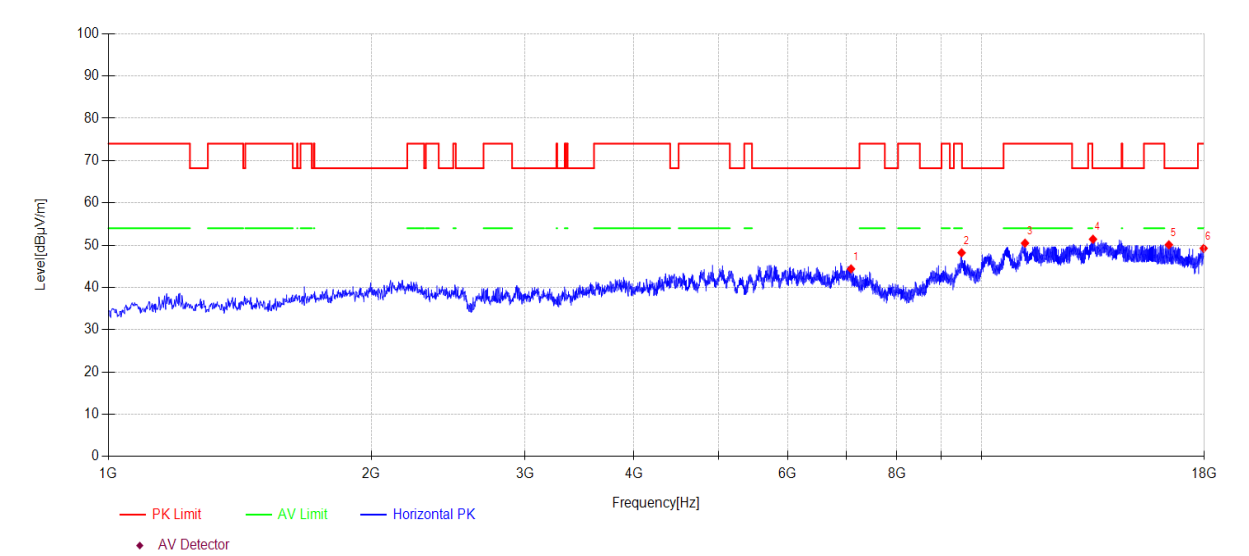
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Memo:

Sample Number:S23111312-02 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7089.40	39.83	36.54	8.95	-40.92	44.40	68.20	23.80	PK	Horizontal
2	9489.80	39.03	38.70	9.23	-38.76	48.20	74.00	25.80	PK	Horizontal
3	11217.00	40.77	39.20	9.69	-39.19	50.47	74.00	23.53	PK	Horizontal
4	13420.20	40.55	40.14	10.54	-39.82	51.41	68.20	16.79	PK	Horizontal
5	16393.50	37.64	37.71	14.42	-39.68	50.09	68.20	18.11	PK	Horizontal
6	17969.40	36.51	42.25	12.82	-42.33	49.25	74.00	24.75	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.