

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-02-18

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

Tx mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

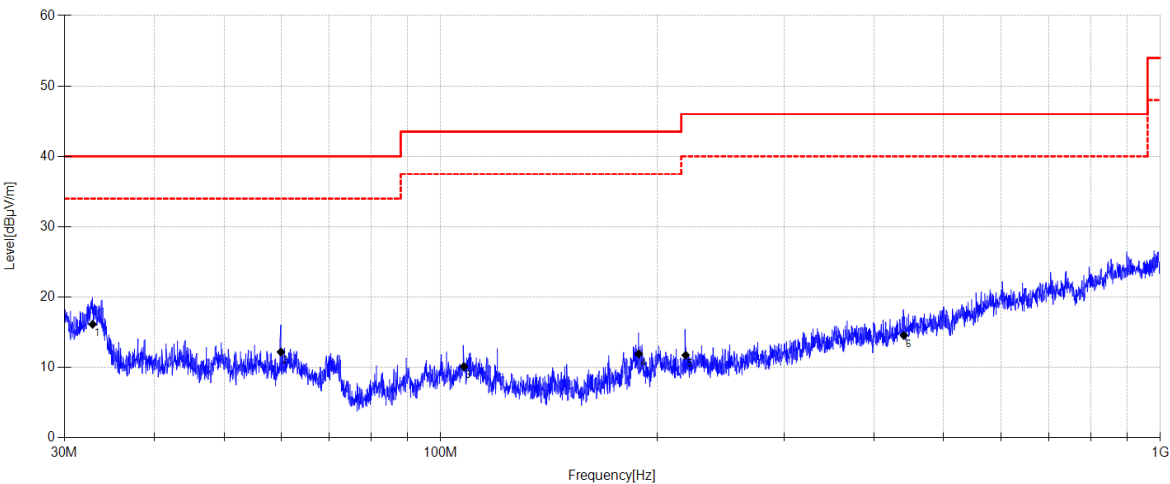
DDT 3# Chamber

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Memo:

Sample Number: S24111520-010



Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32.840	32.68	10.77	3.78	16.13	40.00	23.87	QP	Horizontal
2	59.977	26.54	12.79	3.96	12.19	40.00	27.81	QP	Horizontal
3	107.709	25.6	11.37	4.26	10.12	43.50	33.38	QP	Horizontal
4	188.475	29.15	9.26	4.70	11.92	43.50	31.58	QP	Horizontal
5	218.988	27.19	10.94	4.85	11.74	46.00	34.26	QP	Horizontal
6	440.269	24.16	16.08	5.77	14.54	46.00	31.46	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:

2025-02-18

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

Tx mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

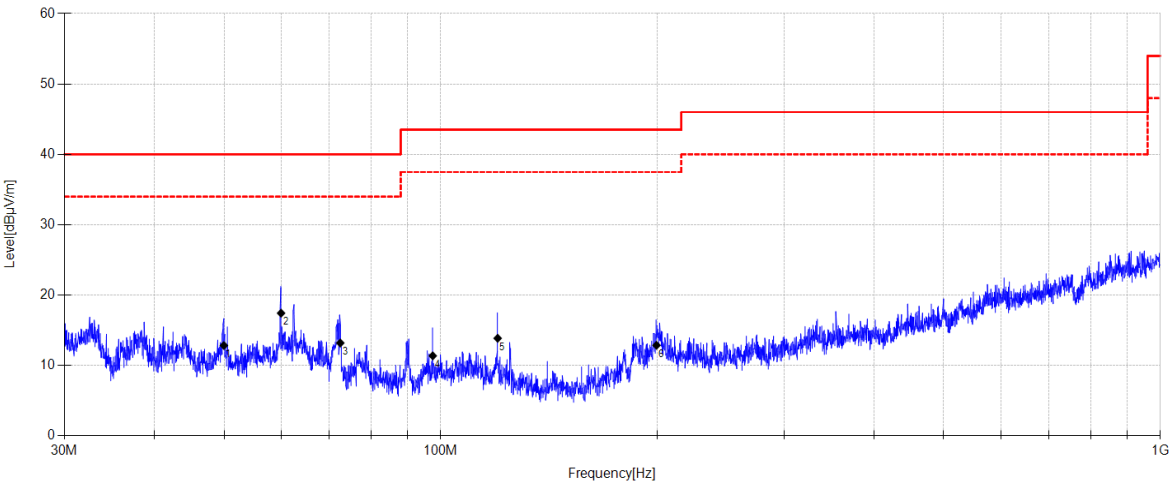
DDT 3# Chamber

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Memo:

Sample Number: S24111520-010



Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	49.981	27.06	12.99	3.88	12.83	40.00	27.17	QP	Vertical
2	60.019	31.78	12.79	3.96	17.43	40.00	22.57	QP	Vertical
3	72.528	30.86	9.39	4.04	13.19	40.00	26.81	QP	Vertical
4	97.501	27.42	10.85	4.20	11.37	43.50	32.13	QP	Vertical
5	119.991	30.65	10.00	4.33	13.86	43.50	29.64	QP	Vertical
6	199.490	28.76	10.54	4.76	12.86	43.50	30.64	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5180 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

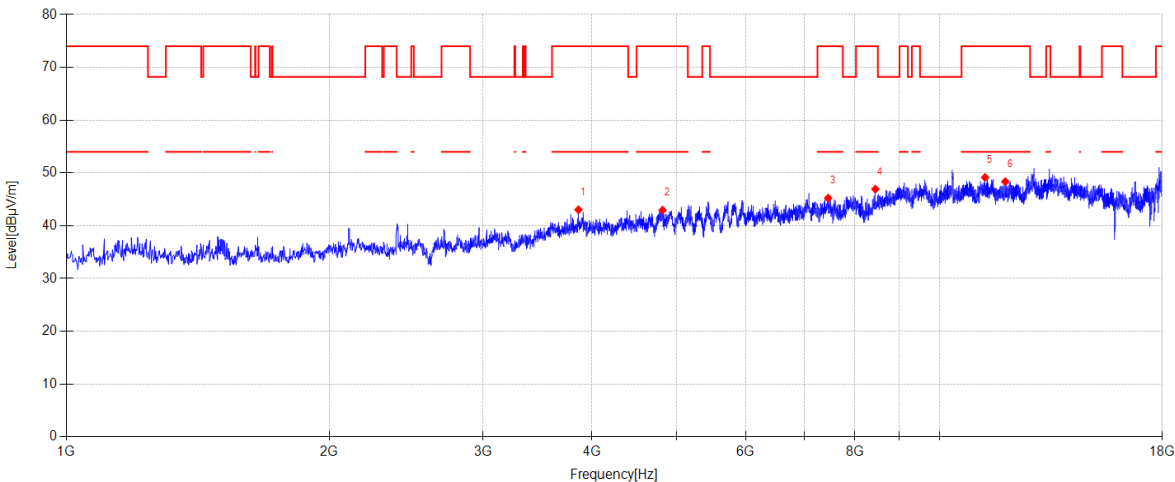
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Memo:

Sample Number: S24111520-010

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	3859.400	47.29	30.96	4.43	-39.65	43.03	74.00	30.97	PK	Horizontal
2	4818.200	44.55	32.97	5.06	-39.61	42.97	74.00	31.03	PK	Horizontal
3	7456.600	43.00	36.59	6.23	-40.59	45.23	74.00	28.77	PK	Horizontal
4	8444.300	42.17	37.50	6.78	-39.52	46.93	74.00	27.07	PK	Horizontal
5	11278.200	41.68	39.20	7.55	-39.28	49.15	74.00	24.85	PK	Horizontal
6	11897.000	41.43	38.90	7.93	-39.90	48.36	74.00	25.64	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5180 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

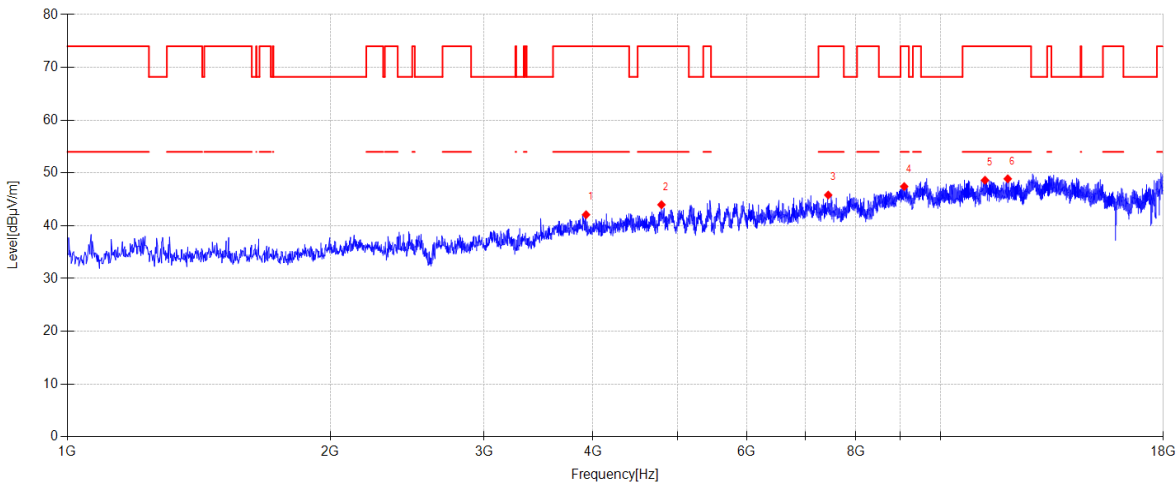
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Memo:

Sample Number: S24111520-010

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	3927.400	46.12	31.15	4.48	-39.66	42.09	74.00	31.91	PK	Vertical
2	4791.000	46.10	32.46	5.04	-39.62	43.98	74.00	30.02	PK	Vertical
3	7437.900	43.59	36.62	6.22	-40.61	45.82	74.00	28.18	PK	Vertical
4	9088.600	40.81	38.48	7.01	-38.87	47.43	74.00	26.57	PK	Vertical
5	11245.900	41.14	39.20	7.53	-39.25	48.62	74.00	25.38	PK	Vertical
6	11941.200	41.86	39.02	7.95	-39.94	48.89	74.00	25.11	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5200 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

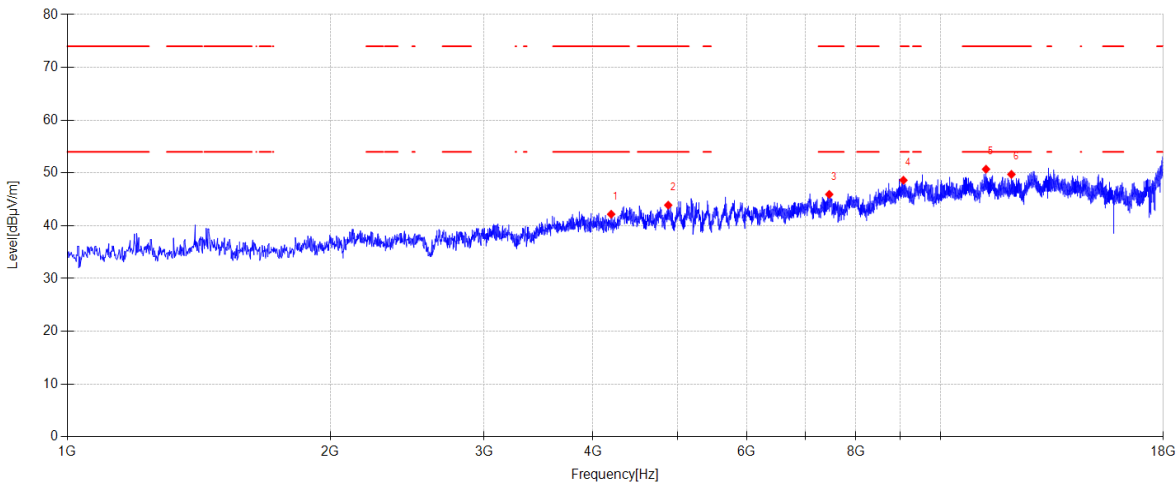
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Memo:

Sample Number: S24111520-010

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	4196.000	45.47	31.20	5.17	-39.66	42.18	74.00	31.82	PK	Horizontal
2	4877.700	44.57	33.36	5.58	-39.61	43.90	74.00	30.10	PK	Horizontal
3	7458.300	43.27	36.58	6.68	-40.59	45.94	74.00	28.06	PK	Horizontal
4	9069.900	41.72	38.44	7.32	-38.86	48.62	74.00	25.38	PK	Horizontal
5	11276.500	42.49	39.20	8.30	-39.28	50.71	74.00	23.29	PK	Horizontal
6	12056.800	41.67	39.26	8.79	-39.99	49.73	74.00	24.27	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5200 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

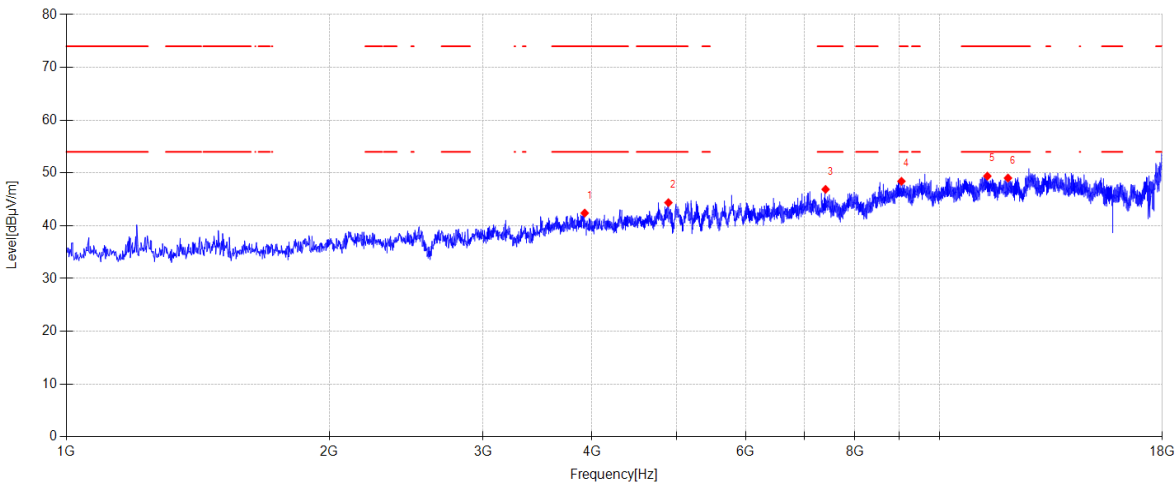
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Memo:

Sample Number: S24111520-010

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	3924.000	45.85	31.15	5.06	-39.66	42.40	74.00	31.60	PK	Vertical
2	4893.000	45.28	33.11	5.59	-39.61	44.37	74.00	29.63	PK	Vertical
3	7405.600	44.18	36.69	6.65	-40.63	46.89	74.00	27.11	PK	Vertical
4	9046.100	41.55	38.39	7.32	-38.84	48.42	74.00	25.58	PK	Vertical
5	11347.900	41.15	39.25	8.35	-39.35	49.40	74.00	24.60	PK	Vertical
6	11980.300	41.12	39.14	8.75	-39.98	49.03	74.00	24.97	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5240 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

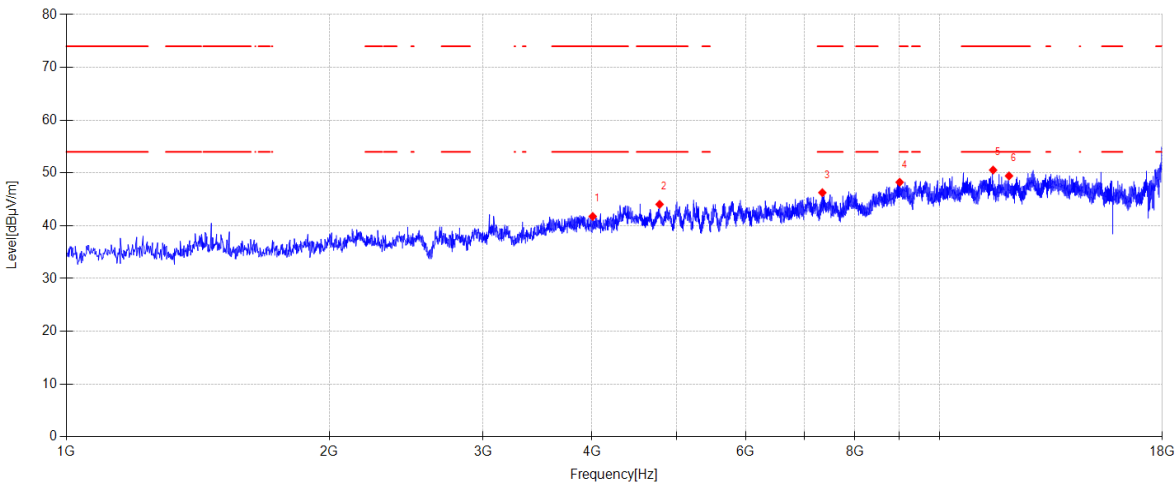
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Memo:

Sample Number: S24111520-010

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	4007.300	45.48	30.91	5.05	-39.68	41.76	74.00	32.24	PK	Horizontal
2	4780.800	45.73	32.42	5.52	-39.62	44.05	74.00	29.95	PK	Horizontal
3	7342.700	43.53	36.81	6.62	-40.69	46.27	74.00	27.73	PK	Horizontal
4	9003.600	41.43	38.31	7.30	-38.80	48.24	74.00	25.76	PK	Horizontal
5	11519.600	42.45	39.16	8.46	-39.52	50.55	74.00	23.45	PK	Horizontal
6	12012.600	41.46	39.21	8.77	-40.00	49.44	74.00	24.56	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5240 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

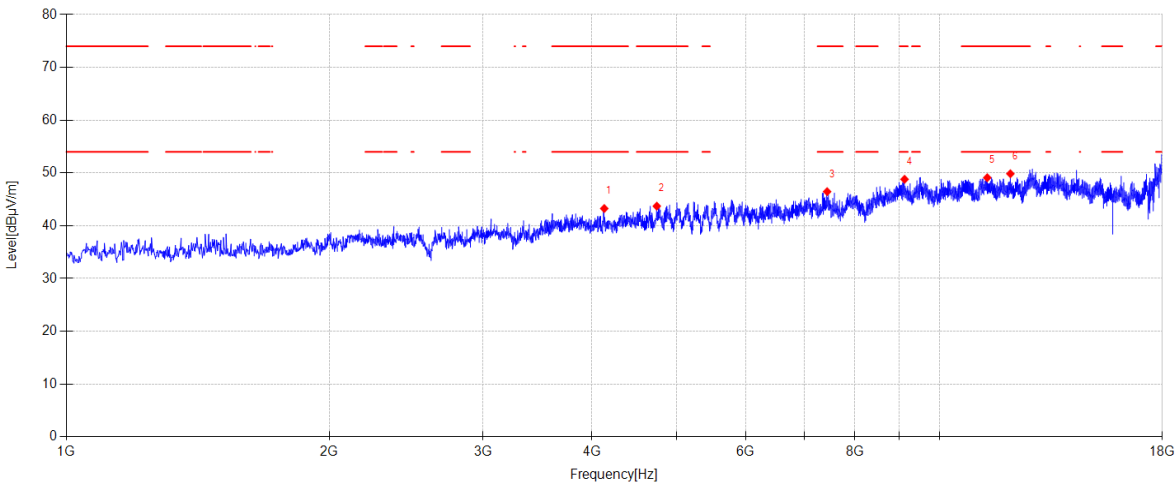
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Memo:

Sample Number: S24111520-010

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	4131.400	46.64	31.16	5.13	-39.67	43.26	74.00	30.74	PK	Vertical
2	4745.100	45.54	32.29	5.50	-39.62	43.71	74.00	30.29	PK	Vertical
3	7436.200	43.77	36.63	6.67	-40.61	46.46	74.00	27.54	PK	Vertical
4	9120.900	41.86	38.50	7.34	-38.90	48.80	74.00	25.20	PK	Vertical
5	11342.800	40.85	39.24	8.35	-39.34	49.10	74.00	24.90	PK	Vertical
6	12056.800	41.79	39.26	8.79	-39.99	49.85	74.00	24.15	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5260 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

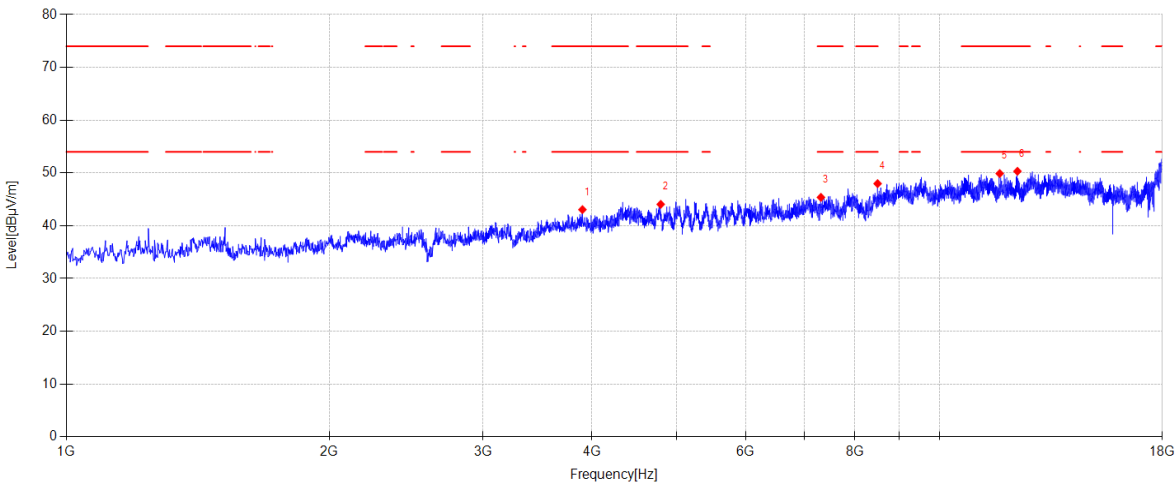
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Memo:

Sample Number: S24111520-010

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	3900.200	46.44	31.20	5.07	-39.66	43.05	74.00	30.95	PK	Horizontal
2	4794.400	45.67	32.48	5.53	-39.62	44.06	74.00	29.94	PK	Horizontal
3	7315.500	42.62	36.87	6.61	-40.72	45.38	74.00	28.62	PK	Horizontal
4	8495.300	42.63	37.68	7.13	-39.46	47.98	74.00	26.02	PK	Horizontal
5	11721.900	42.05	38.98	8.58	-39.72	49.89	74.00	24.11	PK	Horizontal
6	12282.900	42.06	39.30	8.90	-39.94	50.32	74.00	23.68	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5260 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

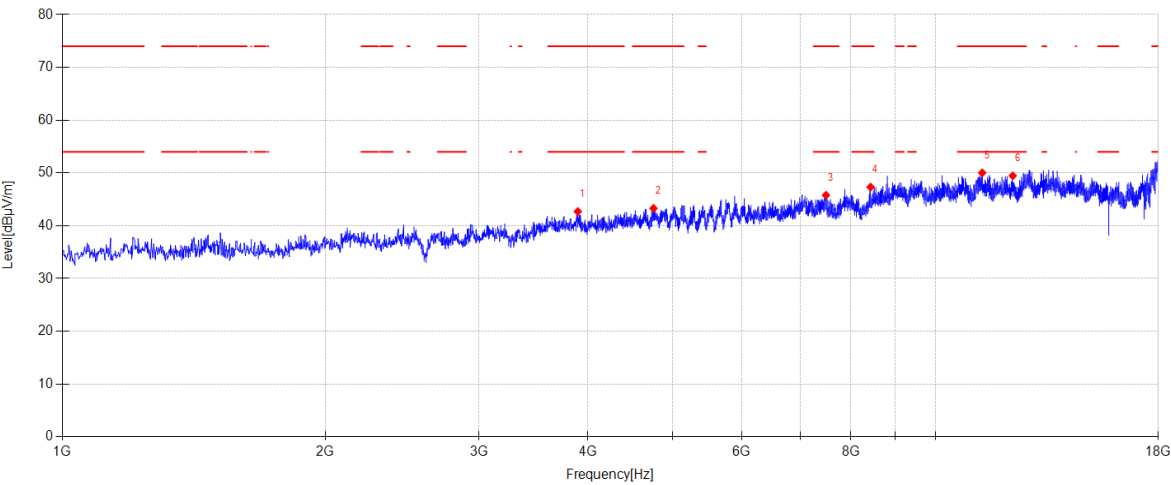
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Memo:

Sample Number: S24111520-010

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3893.400	46.11	31.16	5.07	-39.65	42.69	74.00	31.31	PK	Vertical
2	4753.600	45.10	32.31	5.50	-39.62	43.29	74.00	30.71	PK	Vertical
3	7492.300	43.12	36.52	6.70	-40.56	45.78	74.00	28.22	PK	Vertical
4	8427.300	42.25	37.50	7.11	-39.54	47.32	74.00	26.68	PK	Vertical
5	11312.200	41.80	39.21	8.33	-39.31	50.03	74.00	23.97	PK	Vertical
6	12260.800	41.23	39.30	8.89	-39.95	49.47	74.00	24.53	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5280 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

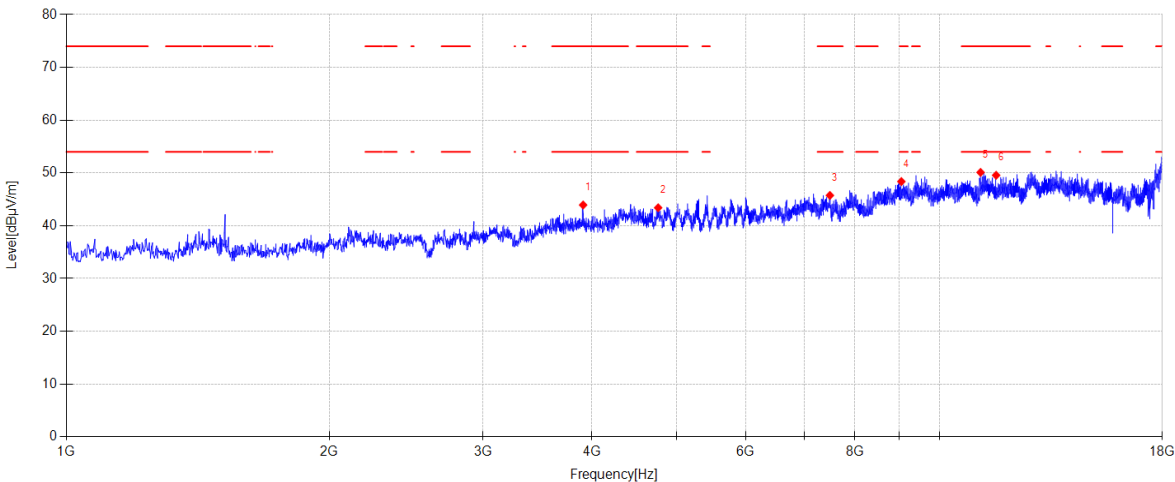
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Memo:

Sample Number: S24111520-010

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	3907.000	47.33	31.19	5.07	-39.66	43.93	74.00	30.07	PK	Horizontal
2	4762.100	45.17	32.35	5.51	-39.62	43.41	74.00	30.59	PK	Horizontal
3	7490.600	43.09	36.52	6.70	-40.56	45.75	74.00	28.25	PK	Horizontal
4	9044.400	41.51	38.39	7.31	-38.84	48.37	74.00	25.63	PK	Horizontal
5	11143.900	41.77	39.26	8.22	-39.14	50.11	74.00	23.89	PK	Horizontal
6	11611.400	41.65	39.00	8.52	-39.61	49.56	74.00	24.44	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5280 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

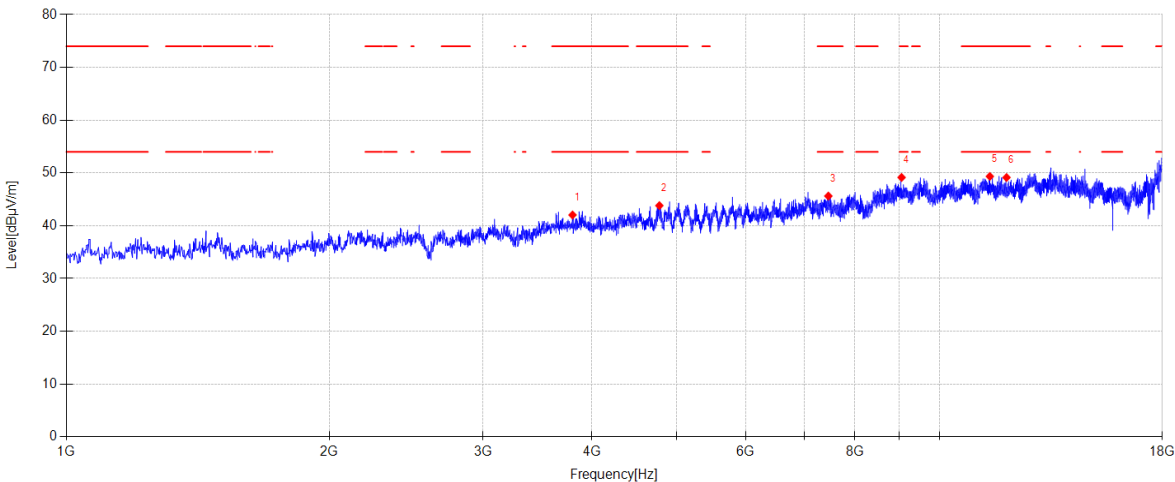
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Memo:

Sample Number: S24111520-010

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	3799.900	45.89	30.70	5.08	-39.63	42.04	74.00	31.96	PK	Vertical
2	4777.400	45.50	32.41	5.52	-39.62	43.81	74.00	30.19	PK	Vertical
3	7460.000	42.95	36.58	6.68	-40.59	45.62	74.00	28.38	PK	Vertical
4	9049.500	42.27	38.40	7.32	-38.84	49.15	74.00	24.85	PK	Vertical
5	11421.000	41.09	39.28	8.40	-39.42	49.35	74.00	24.65	PK	Vertical
6	11934.400	41.35	39.00	8.72	-39.93	49.14	74.00	24.86	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5320 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

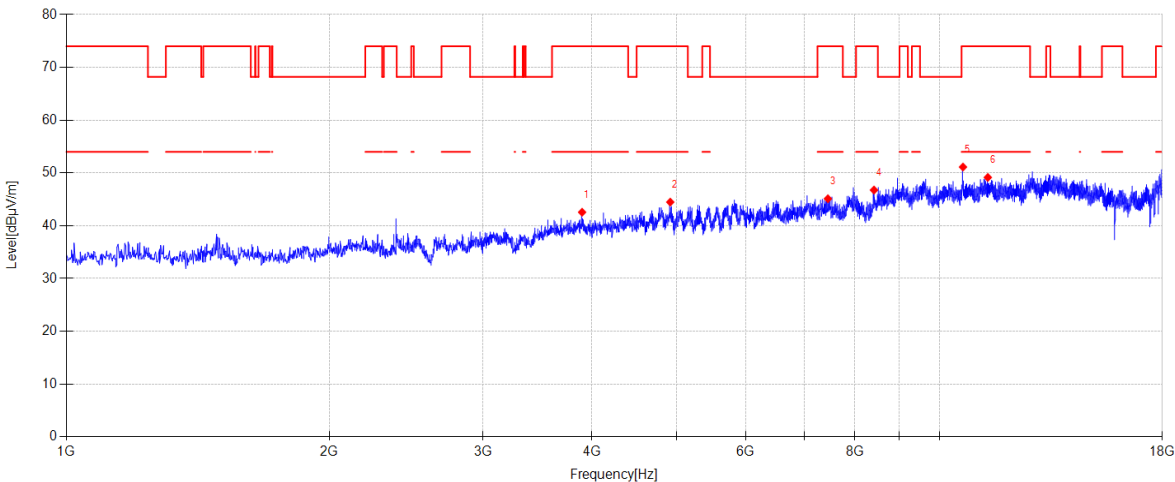
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Memo:

Sample Number: S24111520-010

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3896.800	46.58	31.18	4.46	-39.66	42.56	74.00	31.44	PK	Horizontal
2	4916.800	45.93	33.03	5.13	-39.61	44.48	74.00	29.52	PK	Horizontal
3	7451.500	42.87	36.60	6.23	-40.59	45.11	74.00	28.89	PK	Horizontal
4	8415.400	42.05	37.50	6.77	-39.56	46.76	74.00	27.24	PK	Horizontal
5	10640.700	43.79	39.28	7.27	-39.22	51.12	74.00	22.88	PK	Horizontal
6	11359.800	41.65	39.26	7.60	-39.36	49.15	74.00	24.85	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5320 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

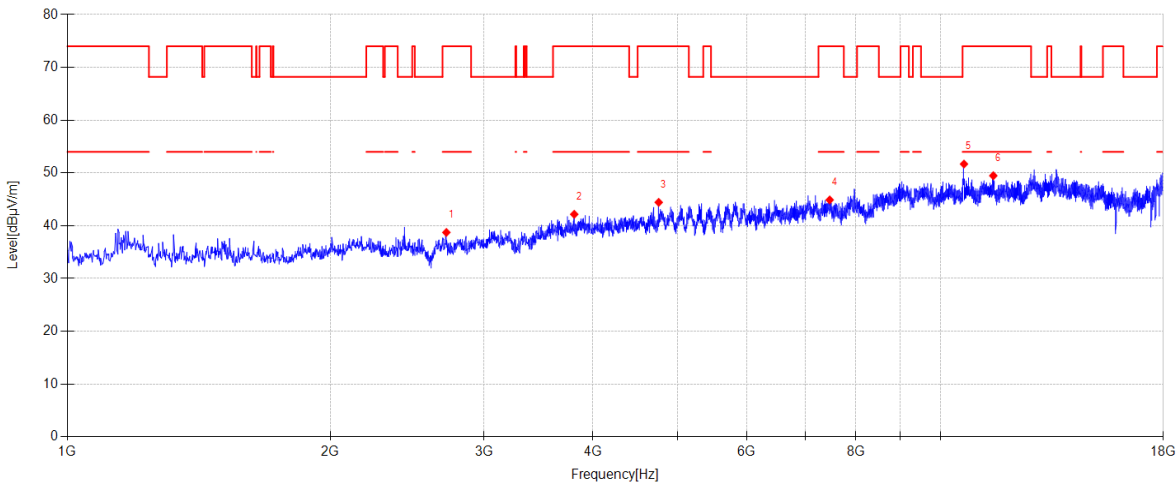
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Memo:

Sample Number: S24111520-010

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	2717.000	46.53	27.53	3.75	-39.08	38.73	74.00	35.27	PK	Vertical
2	3806.700	46.66	30.73	4.40	-39.63	42.16	74.00	31.84	PK	Vertical
3	4757.000	46.70	32.33	5.02	-39.62	44.43	74.00	29.57	PK	Vertical
4	7466.800	42.66	36.57	6.24	-40.58	44.89	74.00	29.11	PK	Vertical
5	10640.700	44.36	39.28	7.27	-39.22	51.69	74.00	22.31	PK	Vertical
6	11495.800	42.10	39.20	7.68	-39.50	49.48	74.00	24.52	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5500 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

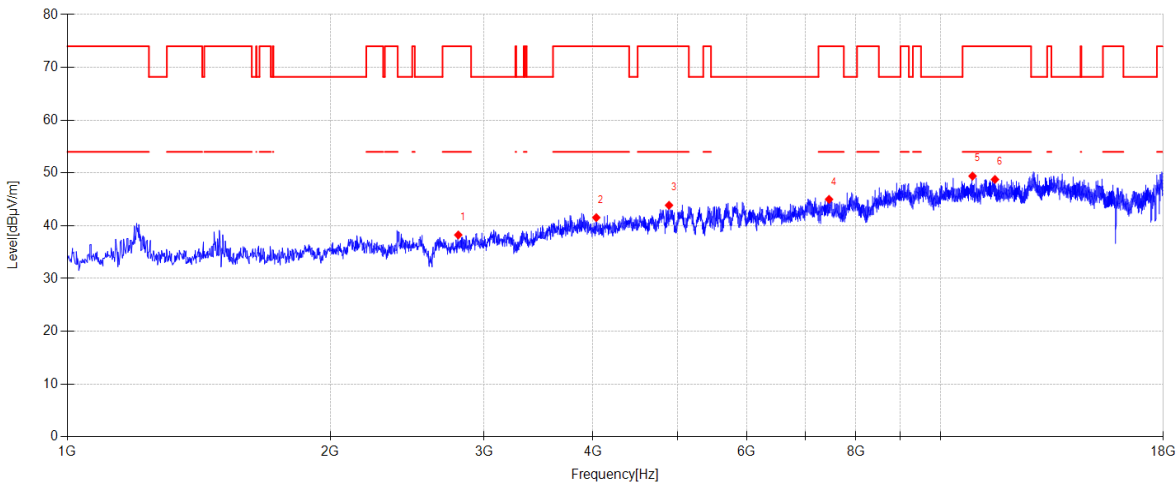
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Memo:

Sample Number: S24111520-010

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	2803.700	46.21	27.43	3.80	-39.19	38.25	74.00	35.75	PK	Horizontal
2	4034.500	45.71	30.97	4.54	-39.68	41.54	74.00	32.46	PK	Horizontal
3	4887.900	45.18	33.19	5.11	-39.61	43.87	74.00	30.13	PK	Horizontal
4	7454.900	42.77	36.59	6.23	-40.59	45.00	74.00	29.00	PK	Horizontal
5	10882.100	41.82	39.32	7.34	-39.07	49.41	74.00	24.59	PK	Horizontal
6	11545.100	41.50	39.11	7.71	-39.55	48.77	74.00	25.23	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5500 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

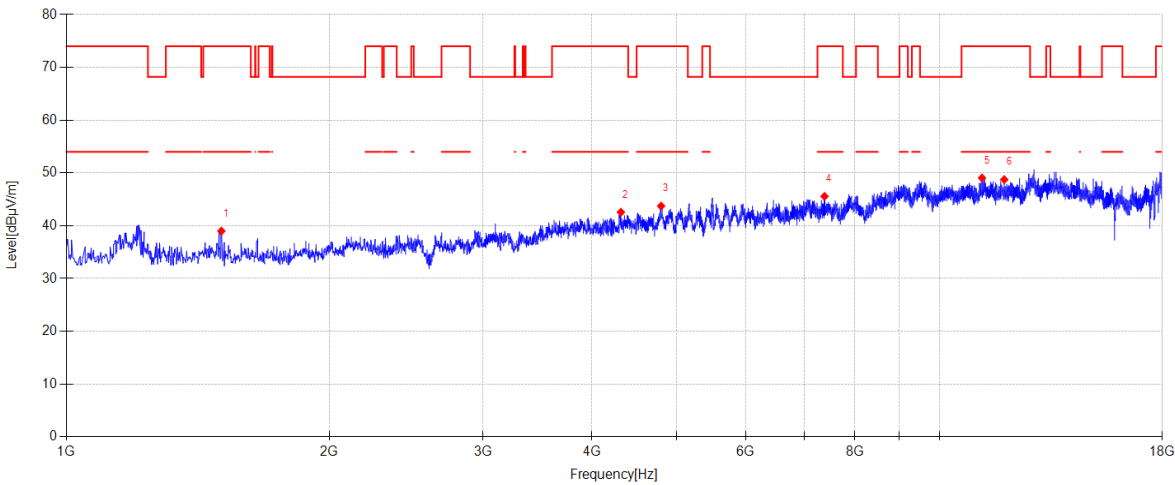
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Memo:

Sample Number: S24111520-010

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	1504.900	48.16	25.43	2.87	-37.47	38.99	74.00	35.01	PK	Vertical
2	4316.700	45.88	31.60	4.73	-39.65	42.56	74.00	31.44	PK	Vertical
3	4799.500	45.80	32.50	5.05	-39.62	43.73	74.00	30.27	PK	Vertical
4	7385.200	43.31	36.73	6.18	-40.65	45.57	74.00	28.43	PK	Vertical
5	11188.100	41.55	39.21	7.49	-39.19	49.06	74.00	24.94	PK	Vertical
6	11864.700	41.80	38.90	7.91	-39.86	48.75	74.00	25.25	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5580 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

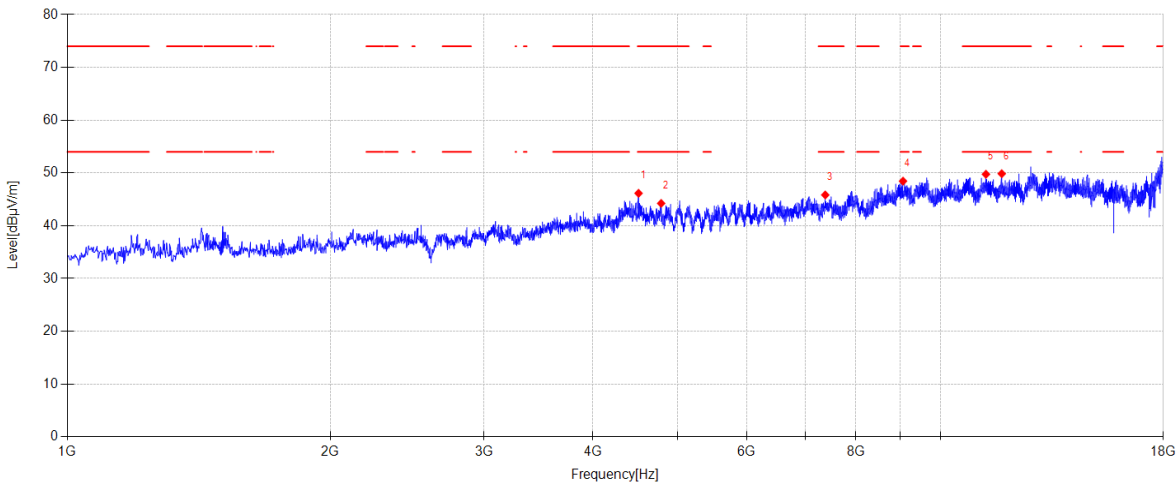
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Memo:

Sample Number: S24111520-010

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	4510.500	48.61	31.82	5.36	-39.64	46.15	74.00	27.85	PK	Horizontal
2	4787.600	45.88	32.45	5.52	-39.62	44.23	74.00	29.77	PK	Horizontal
3	7380.100	43.11	36.74	6.64	-40.66	45.83	74.00	28.17	PK	Horizontal
4	9059.700	41.56	38.42	7.32	-38.85	48.45	74.00	25.55	PK	Horizontal
5	11274.800	41.52	39.20	8.30	-39.27	49.75	74.00	24.25	PK	Horizontal
6	11754.200	42.05	38.95	8.61	-39.75	49.86	74.00	24.14	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5580 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

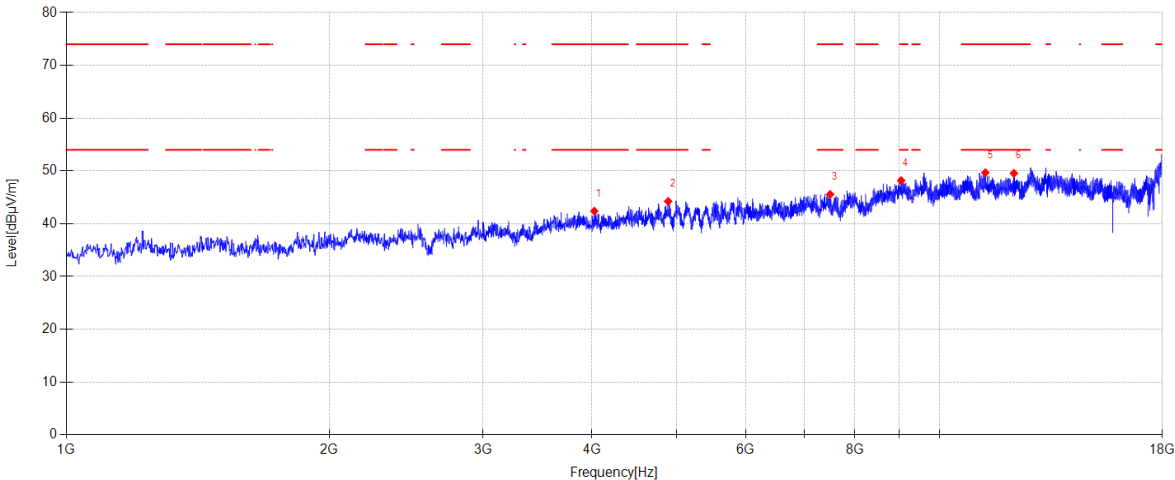
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Memo:

Sample Number: S24111520-010

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	4024.300	46.06	30.95	5.06	-39.68	42.39	74.00	31.61	PK	Vertical
2	4889.600	45.10	33.17	5.58	-39.61	44.24	74.00	29.76	PK	Vertical
3	7495.700	42.89	36.51	6.70	-40.55	45.55	74.00	28.45	PK	Vertical
4	9039.300	41.31	38.38	7.31	-38.83	48.17	74.00	25.83	PK	Vertical
5	11286.700	41.45	39.20	8.31	-39.29	49.67	74.00	24.33	PK	Vertical
6	12170.700	41.37	39.30	8.85	-39.97	49.55	74.00	24.45	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5700 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

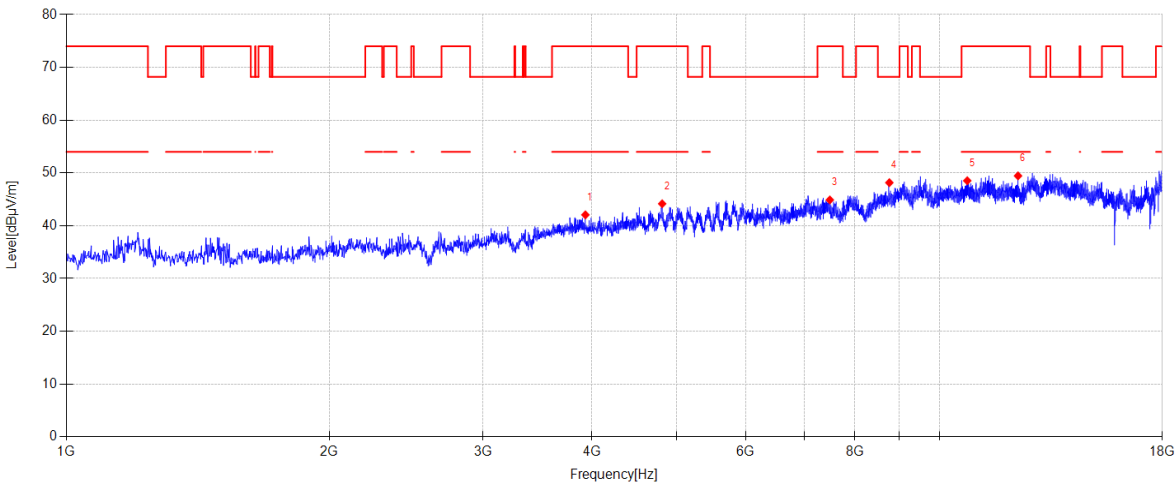
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Memo:

Sample Number: S24111520-010

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	3930.800	46.10	31.14	4.48	-39.66	42.06	74.00	31.94	PK	Horizontal
2	4813.100	45.87	32.84	5.06	-39.61	44.16	74.00	29.84	PK	Horizontal
3	7488.900	42.68	36.52	6.25	-40.56	44.89	74.00	29.11	PK	Horizontal
4	8762.200	42.17	38.20	6.90	-39.11	48.16	68.20	20.04	PK	Horizontal
5	10761.400	40.97	39.40	7.30	-39.14	48.53	74.00	25.47	PK	Horizontal
6	12303.300	41.98	39.30	8.11	-39.94	49.45	74.00	24.55	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5700 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

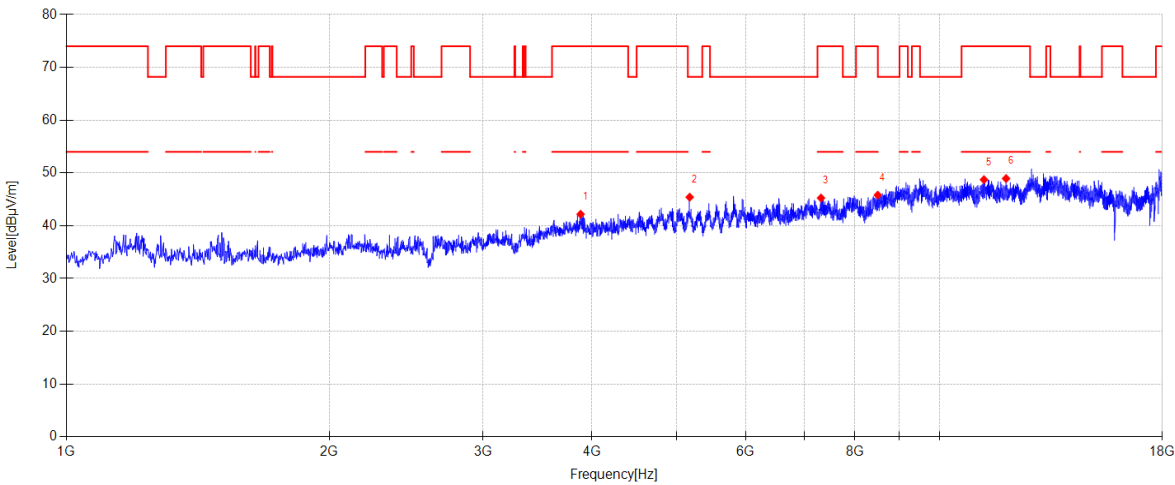
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Memo:

Sample Number: S24111520-010

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	3881.500	46.29	31.09	4.45	-39.65	42.18	74.00	31.82	PK	Vertical
2	5175.200	46.36	33.35	5.30	-39.60	45.41	68.20	22.79	PK	Vertical
3	7317.200	42.95	36.87	6.14	-40.71	45.25	74.00	28.75	PK	Vertical
4	8498.700	40.77	37.69	6.80	-39.45	45.81	74.00	28.19	PK	Vertical
5	11245.900	41.25	39.20	7.53	-39.25	48.73	74.00	25.27	PK	Vertical
6	11920.800	41.96	38.96	7.94	-39.92	48.94	74.00	25.06	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5720 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

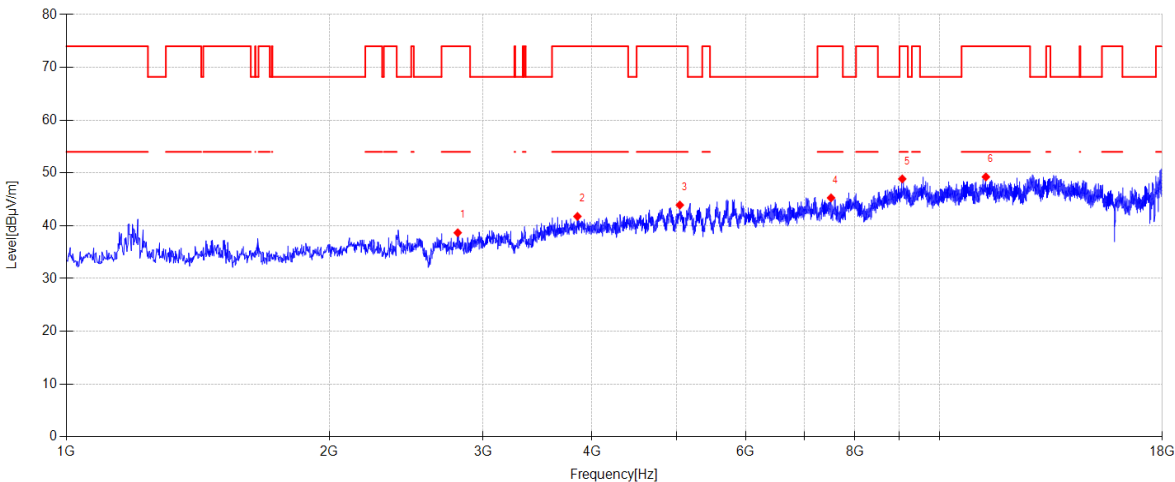
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Memo:

Sample Number: S24111520-010

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	2807.100	46.61	27.46	3.80	-39.20	38.67	74.00	35.33	PK	Horizontal
2	3849.200	46.07	30.90	4.43	-39.64	41.76	74.00	32.24	PK	Horizontal
3	5042.600	45.02	33.29	5.21	-39.60	43.92	74.00	30.08	PK	Horizontal
4	7512.700	43.08	36.47	6.27	-40.54	45.28	74.00	28.72	PK	Horizontal
5	9064.800	42.29	38.43	7.00	-38.85	48.87	74.00	25.13	PK	Horizontal
6	11302.000	41.79	39.20	7.56	-39.30	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5720 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

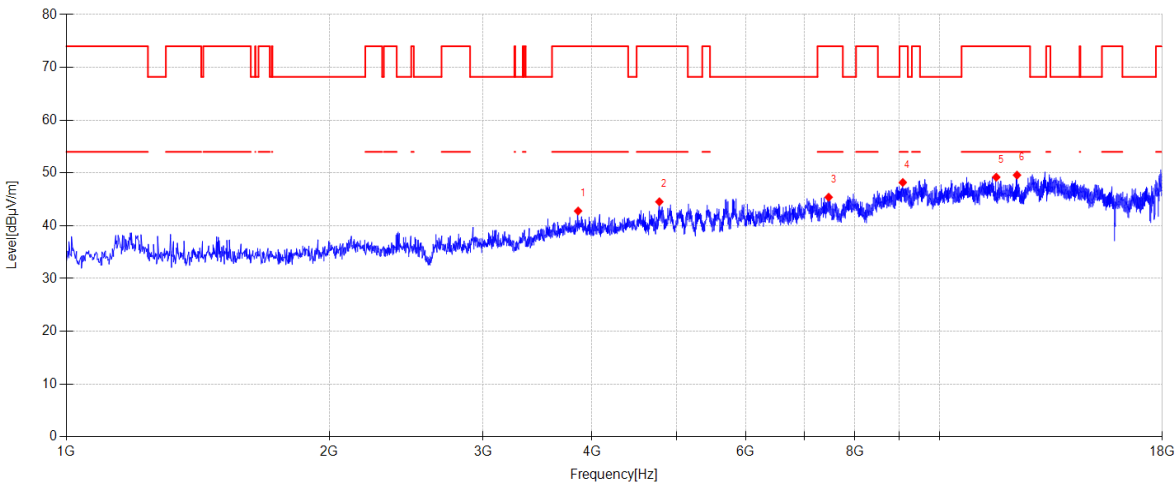
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Memo:

Sample Number: S24111520-010

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	3856.000	47.07	30.94	4.43	-39.65	42.79	74.00	31.21	PK	Vertical
2	4777.400	46.72	32.41	5.03	-39.62	44.54	74.00	29.46	PK	Vertical
3	7466.800	43.17	36.57	6.24	-40.58	45.40	74.00	28.60	PK	Vertical
4	9078.400	41.60	38.46	7.00	-38.86	48.20	74.00	25.80	PK	Vertical
5	11614.800	42.05	39.00	7.76	-39.61	49.20	74.00	24.80	PK	Vertical
6	12269.300	42.14	39.30	8.10	-39.95	49.59	74.00	24.41	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5745 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

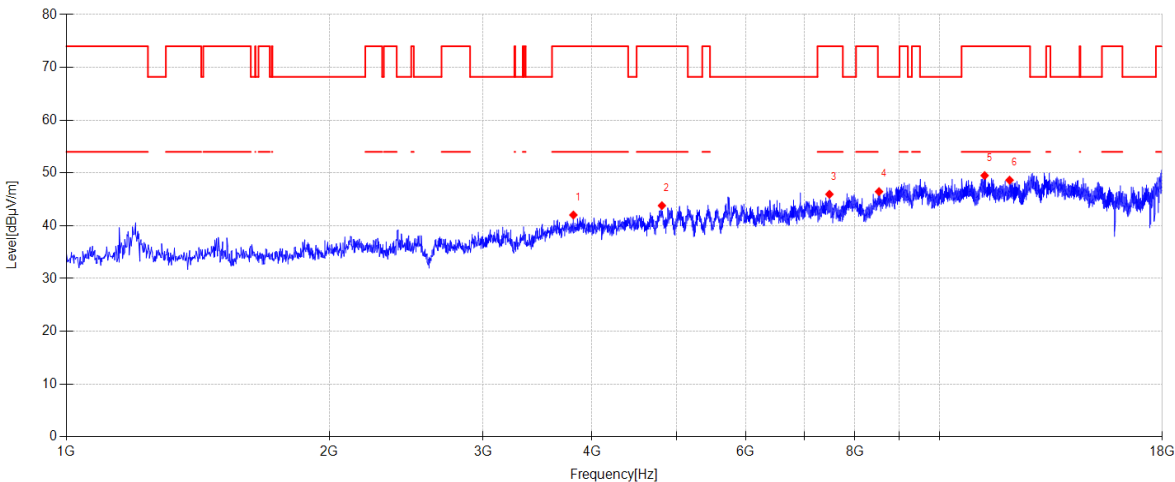
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Memo:

Sample Number: S24111520-010

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	3808.400	46.53	30.73	4.40	-39.63	42.03	74.00	31.97	PK	Horizontal
2	4809.700	45.63	32.75	5.05	-39.62	43.81	74.00	30.19	PK	Horizontal
3	7482.100	43.74	36.54	6.25	-40.57	45.96	74.00	28.04	PK	Horizontal
4	8525.900	41.28	37.80	6.81	-39.42	46.47	68.20	21.73	PK	Horizontal
5	11266.300	42.04	39.20	7.54	-39.27	49.51	74.00	24.49	PK	Horizontal
6	12031.300	41.40	39.23	8.00	-39.99	48.64	74.00	25.36	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5745 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

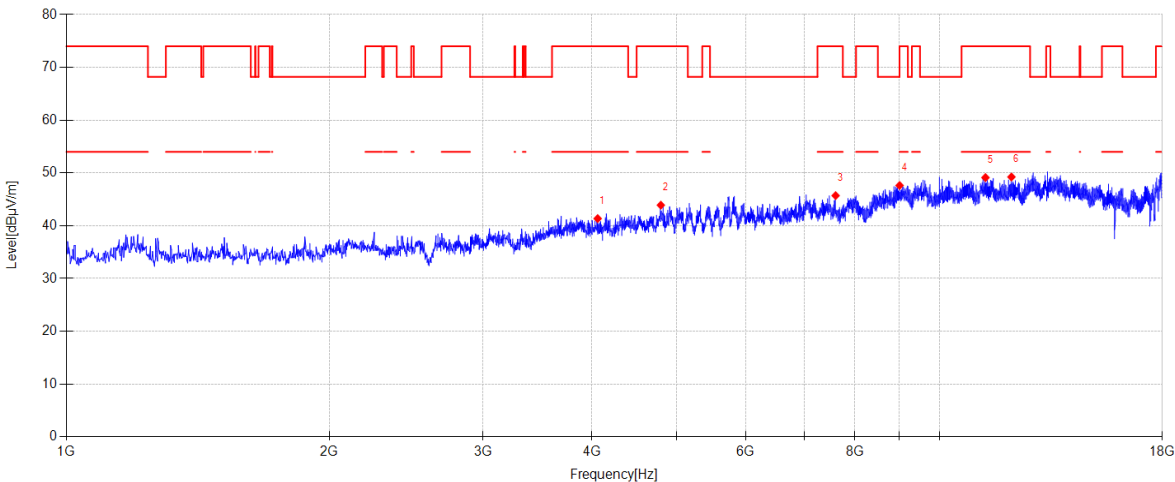
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Memo:

Sample Number: S24111520-010

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	4060.000	45.45	31.02	4.56	-39.68	41.35	74.00	32.65	PK	Vertical
2	4796.100	45.99	32.48	5.05	-39.62	43.90	74.00	30.10	PK	Vertical
3	7604.500	43.33	36.51	6.33	-40.46	45.71	74.00	28.29	PK	Vertical
4	9001.900	41.13	38.30	7.00	-38.80	47.63	74.00	26.37	PK	Vertical
5	11290.100	41.65	39.20	7.56	-39.29	49.12	74.00	24.88	PK	Vertical
6	12090.800	41.90	39.29	8.03	-39.98	49.24	74.00	24.76	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5785 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

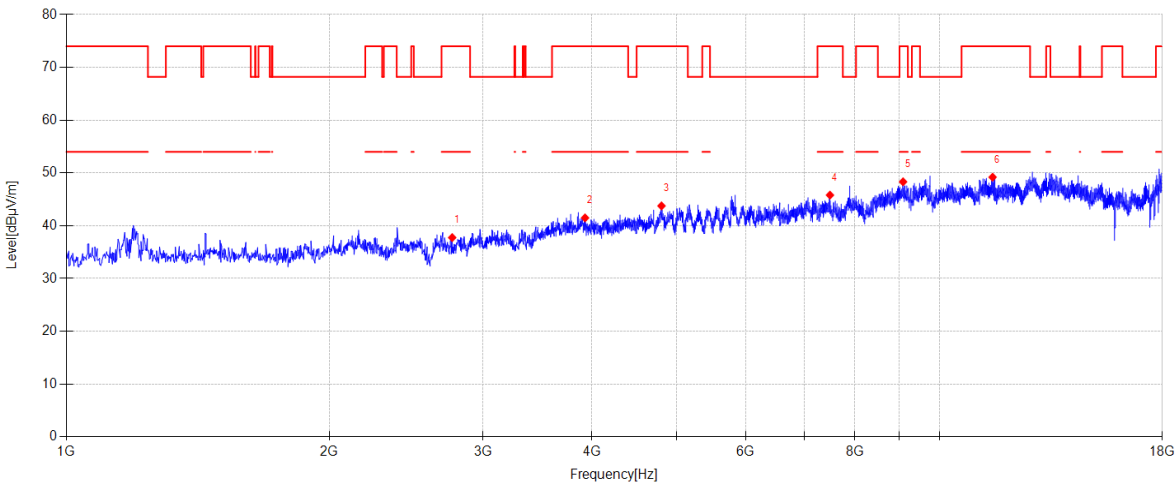
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Memo:

Sample Number: S24111520-010

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	2766.300	45.59	27.53	3.78	-39.15	37.75	74.00	36.25	PK	Horizontal
2	3927.400	45.52	31.15	4.48	-39.66	41.49	74.00	32.51	PK	Horizontal
3	4804.600	45.71	32.62	5.05	-39.62	43.76	74.00	30.24	PK	Horizontal
4	7492.300	43.59	36.52	6.25	-40.56	45.80	74.00	28.20	PK	Horizontal
5	9085.200	41.71	38.47	7.01	-38.87	48.32	74.00	25.68	PK	Horizontal
6	11504.300	41.82	39.19	7.69	-39.50	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5785 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

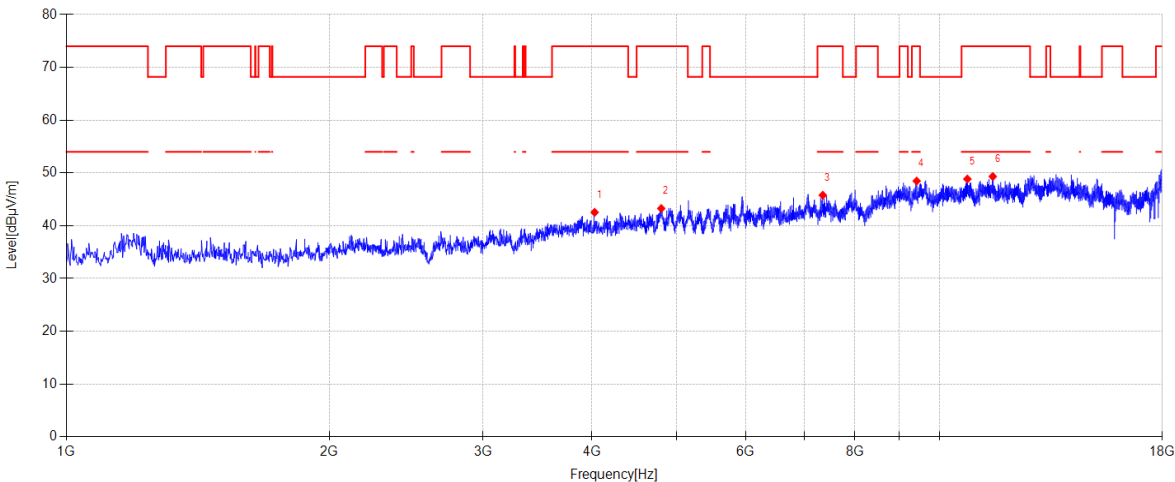
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d:\ts\2024 report data\BAR 1300\FCC RE Above 1G 5G\96

Memo:

Sample Number: S24111520-010

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	4027.700	46.72	30.96	4.54	-39.68	42.54	74.00	31.46	PK	Vertical
2	4801.200	45.31	32.53	5.05	-39.62	43.27	74.00	30.73	PK	Vertical
3	7351.200	43.51	36.80	6.16	-40.68	45.79	74.00	28.21	PK	Vertical
4	9416.700	41.88	38.70	7.03	-39.13	48.48	74.00	25.52	PK	Vertical
5	10764.800	41.29	39.40	7.30	-39.14	48.85	74.00	25.15	PK	Vertical
6	11509.400	41.97	39.18	7.69	-39.51	49.33	74.00	24.67	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:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

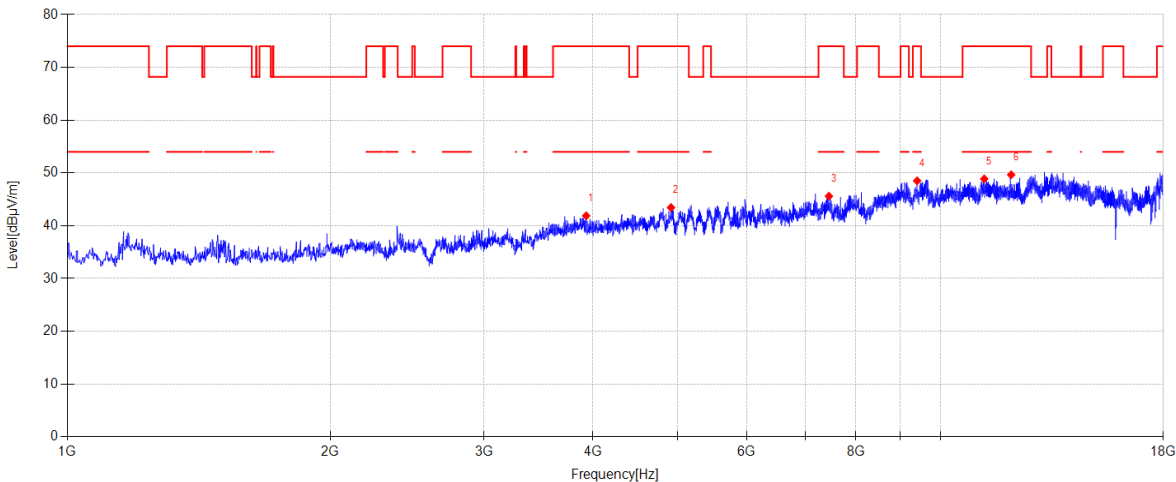
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Memo:

Sample Number: S24111520-010

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	3929.100	45.92	31.14	4.48	-39.66	41.88	74.00	32.12	PK	Horizontal
2	4913.400	44.90	33.03	5.12	-39.61	43.44	74.00	30.56	PK	Horizontal
3	7451.500	43.36	36.60	6.23	-40.59	45.60	74.00	28.40	PK	Horizontal
4	9403.100	41.91	38.70	7.02	-39.12	48.51	74.00	25.49	PK	Horizontal
5	11223.800	41.38	39.20	7.52	-39.22	48.88	74.00	25.12	PK	Horizontal
6	12050.000	42.39	39.25	8.01	-39.99	49.66	74.00	24.34	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-12

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

TX 11AX20 MIMO 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

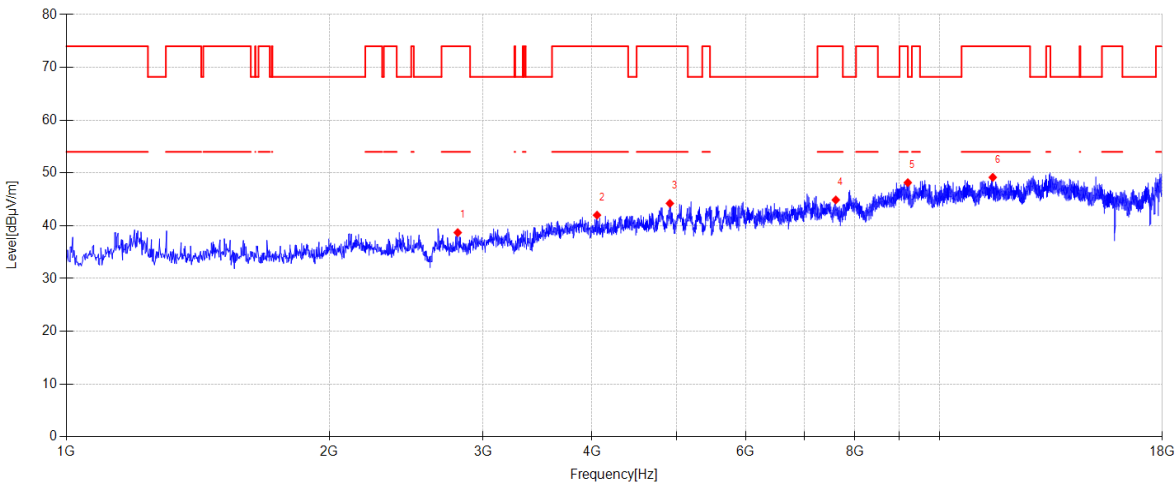
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Memo:

Sample Number: S24111520-010

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	2807.100	46.64	27.46	3.80	-39.20	38.70	74.00	35.30	PK	Vertical
2	4053.200	46.12	31.01	4.56	-39.68	42.01	74.00	31.99	PK	Vertical
3	4911.700	45.70	33.02	5.12	-39.61	44.23	74.00	29.77	PK	Vertical
4	7607.900	42.49	36.52	6.33	-40.45	44.89	74.00	29.11	PK	Vertical
5	9199.100	41.51	38.60	7.01	-38.96	48.16	74.00	25.84	PK	Vertical
6	11509.400	41.81	39.18	7.69	-39.51	49.17	74.00	24.83	PK	Vertical

Note:

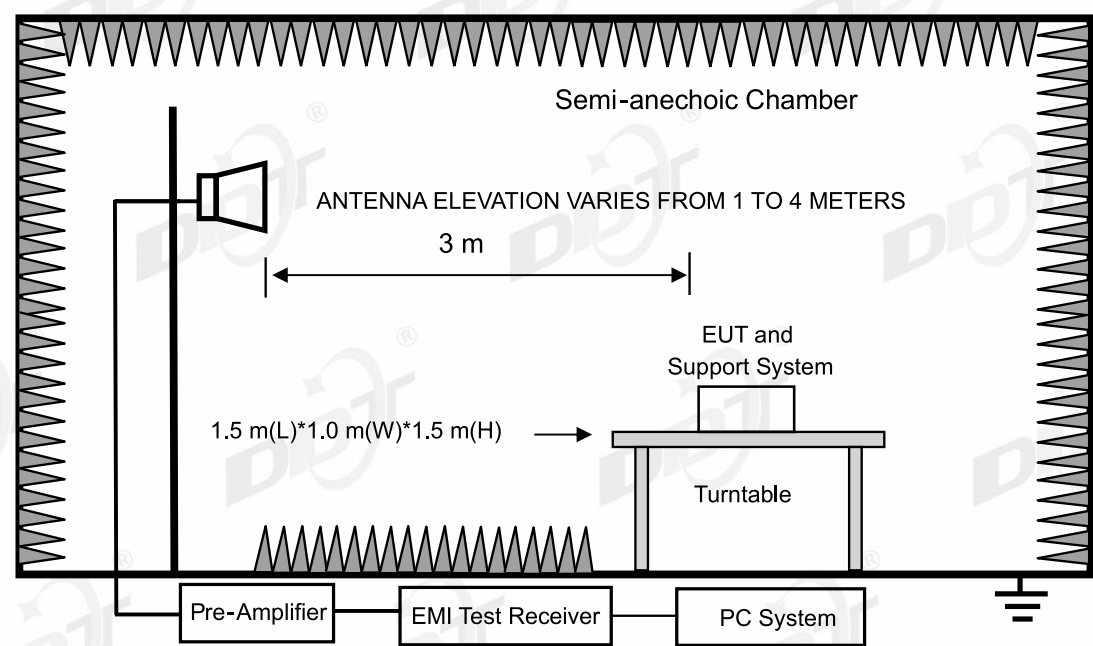
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14.Band Edge Compliance

14.1. Test equipment

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

14.2. Block diagram of test setup



14.3. Limits

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating solely in the 5.725-5.850 GHz band:
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

14.4. Assistant equipment used for test

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

14.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.15-5.25 GHz, 5250-5350 GHz, 5470-5725 GHz, 5.725-5.85 GHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

14.6. Test result

PASS. (See below detailed test result)

14.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-11

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

ANT1 TX 11A 5180 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

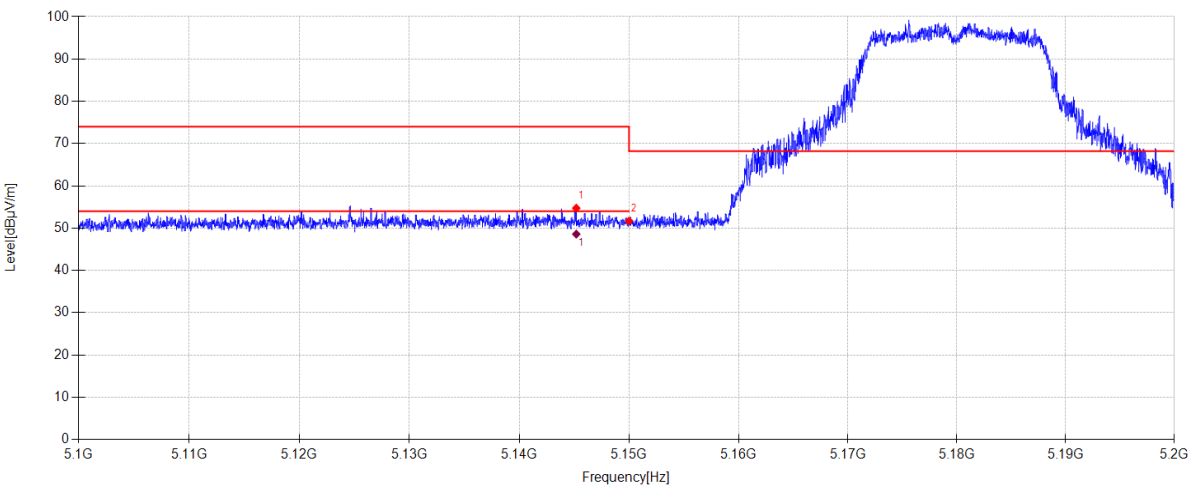
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d:\ts\2024 report data\BAR 1300\FCC RE Above 1G 5G\11

Memo:

Sample Number: S24111520-010

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	5145.190	45.66	33.40	5.28	-29.60	54.74	74.00	19.26	PK	Horizontal
2	5150.000	42.60	33.40	5.28	-29.60	51.68	68.20	16.52	PK	Horizontal

Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5145.190	39.51	33.40	5.28	48.59	54	5.41	AV	Horizontal	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-11

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

ANT1 TX 11A 5180 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

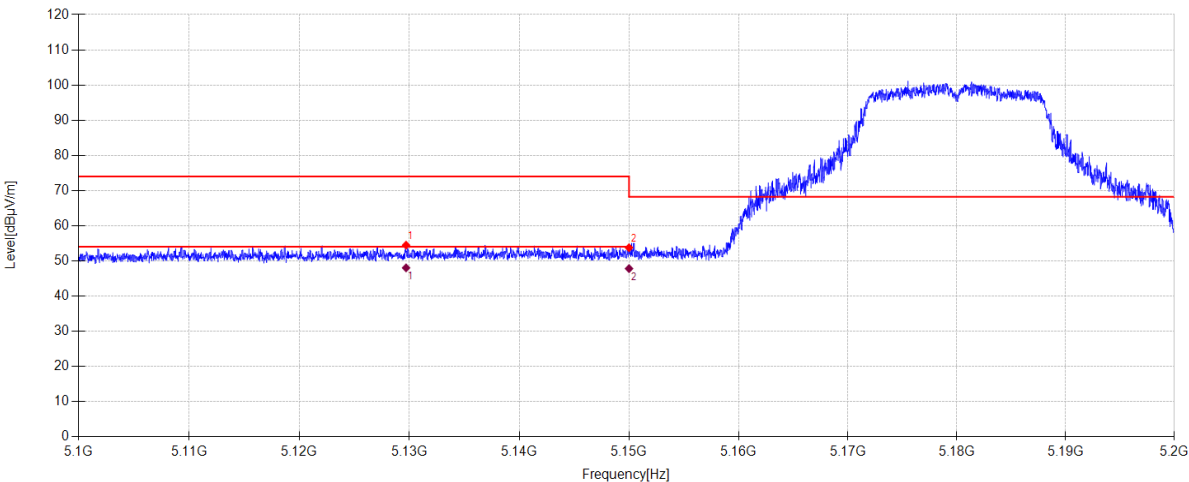
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Memo:

Sample Number: S24111520-010

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	5129.700	45.41	33.40	5.27	-29.60	54.48	74.00	19.52	PK	Vertical
2	5150.000	44.68	33.40	5.28	-29.60	53.76	68.20	14.44	PK	Vertical

Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5129.700	38.95	33.40	5.27	48.02	54	5.98	AV	Vertical	
2	5150.000	38.73	33.40	5.28	47.81	54	6.19	AV	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:

2024-12-11

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

ANT1 TX 11A 5320 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

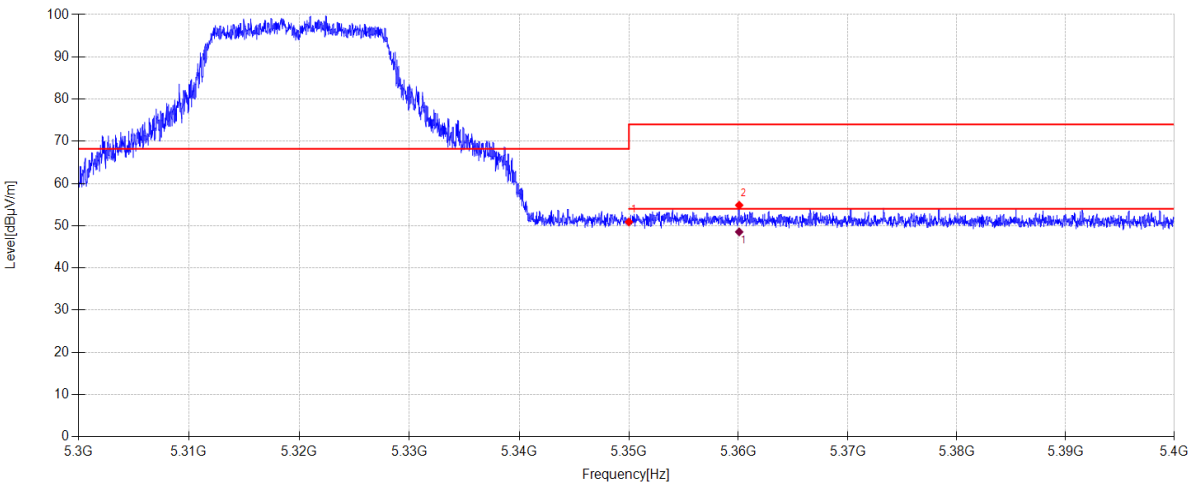
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Memo:

Sample Number: S24111520-010

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	5350.000	41.98	33.10	5.41	-29.60	50.89	68.20	17.31	PK	Horizontal
2	5360.070	45.94	33.10	5.42	-29.60	54.86	74.00	19.14	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5360.070	39.62	33.10	5.42	48.54	54	5.46	AV	Horizontal	

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-11

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

ANT1 TX 11A 5320 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

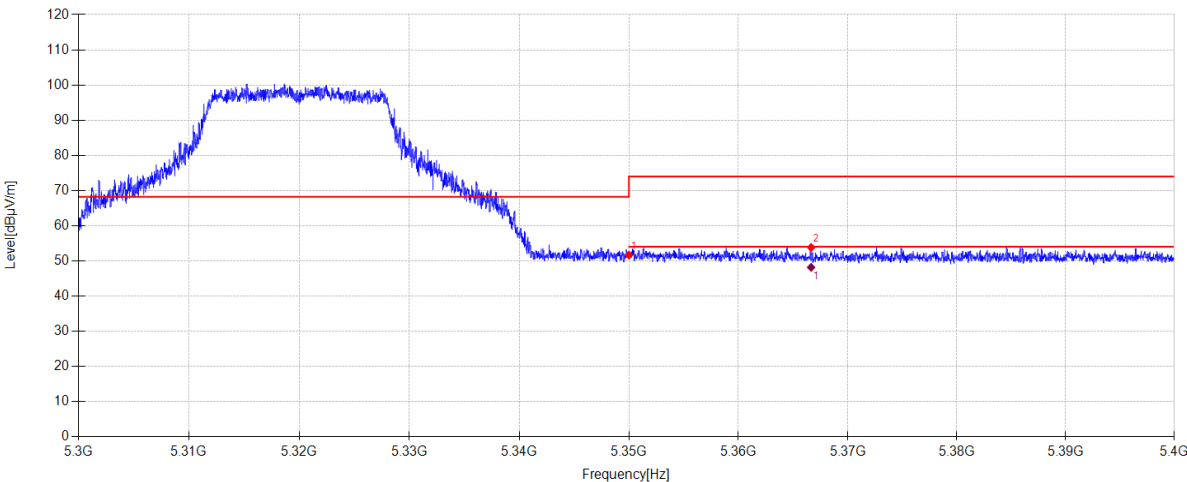
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Memo:

Sample Number: S24111520-010

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	5350.000	42.74	33.10	5.41	-29.60	51.65	68.20	16.55	PK	Vertical
2	5366.650	44.92	33.10	5.42	-29.60	53.84	74.00	20.16	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5366.650	39.25	33.10	5.42	48.17	54	5.83	AV	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:

2024-12-11

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

ANT1 TX 11A 5500 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

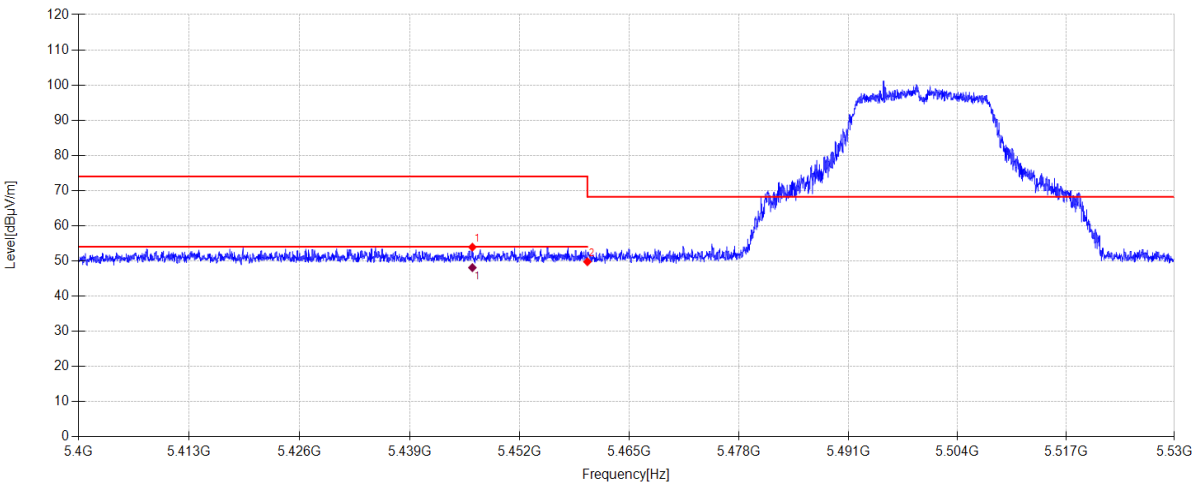
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Memo:

Sample Number: S24111520-010

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	5446.384	45.04	33.01	5.47	-29.60	53.92	74.00	20.08	PK	Horizontal
2	5460.000	40.88	33.00	5.48	-29.60	49.76	68.20	18.44	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5446.384	39.21	33.01	5.47	48.09	54	5.91	AV	Horizontal	

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-11

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

ANT1 TX 11A 5500 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

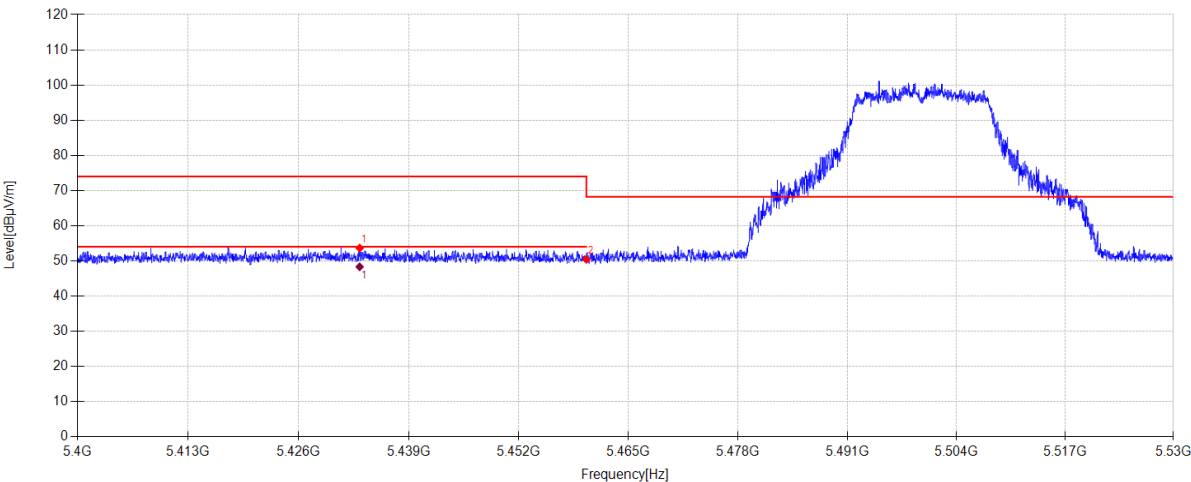
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Memo:

Sample Number: S24111520-010

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	5433.189	44.75	33.03	5.47	-29.60	53.65	74.00	20.35	PK	Vertical
2	5460.000	41.56	33.00	5.48	-29.60	50.44	68.20	17.76	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5433.189	39.42	33.03	5.47	48.32	54	5.68	AV	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:

2024-12-11

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

ANT1 TX 11A 5700 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

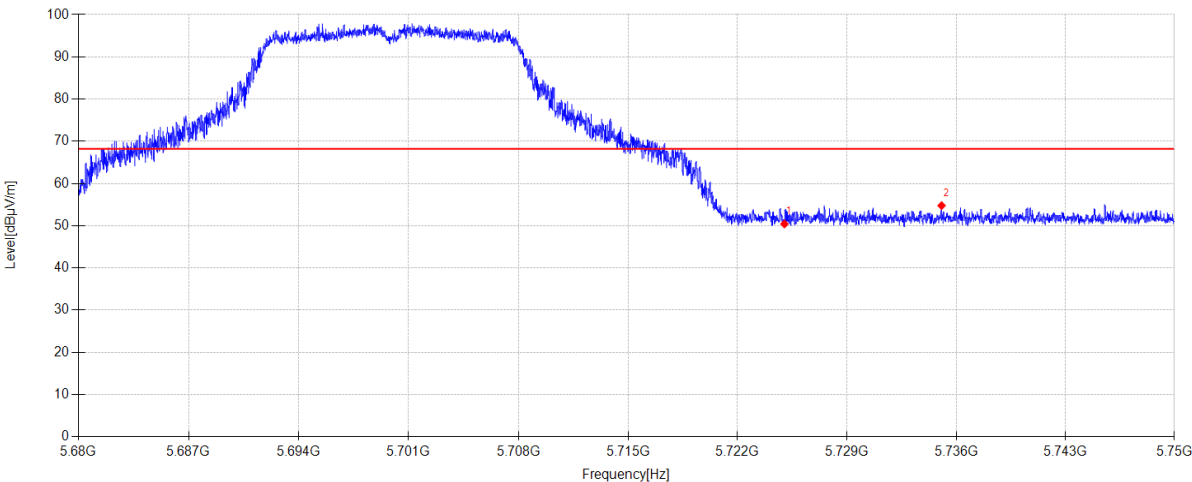
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Memo:

Sample Number: S24111520-010

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	5725.000	40.61	33.75	5.66	-29.60	50.42	68.20	17.78	PK	Horizontal
2	5735.062	44.89	33.81	5.67	-29.60	54.77	68.20	13.43	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:

2024-12-11

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

ANT1 TX 11A 5700 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.3°C;Humi:59.4%

Test Site:

DDT 3# Chamber

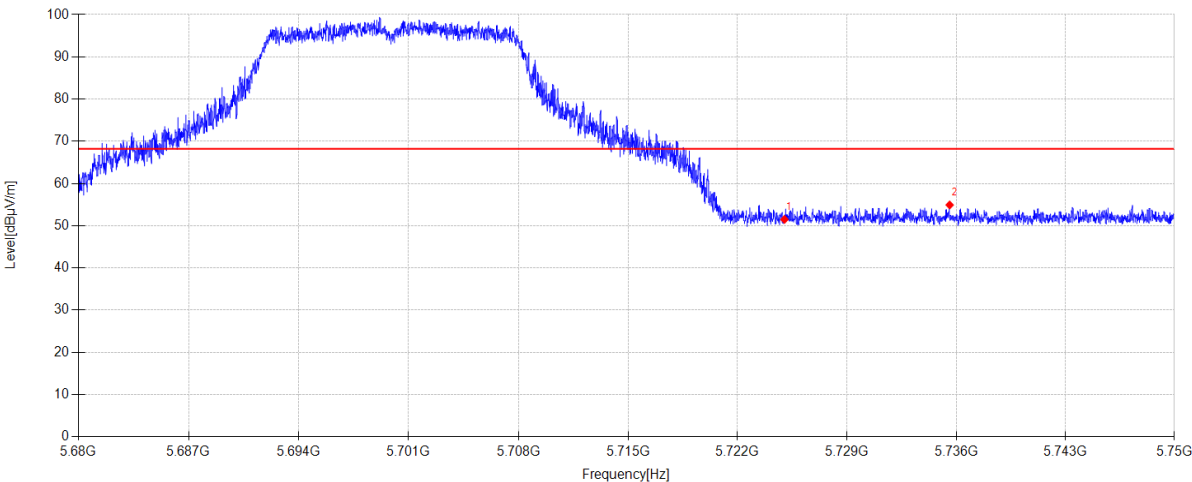
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Memo:

Sample Number: S24111520-010

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	5725.000	41.68	33.75	5.66	-29.60	51.49	68.20	16.71	PK	Vertical
2	5735.580	45.04	33.81	5.67	-29.60	54.92	68.20	13.28	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.