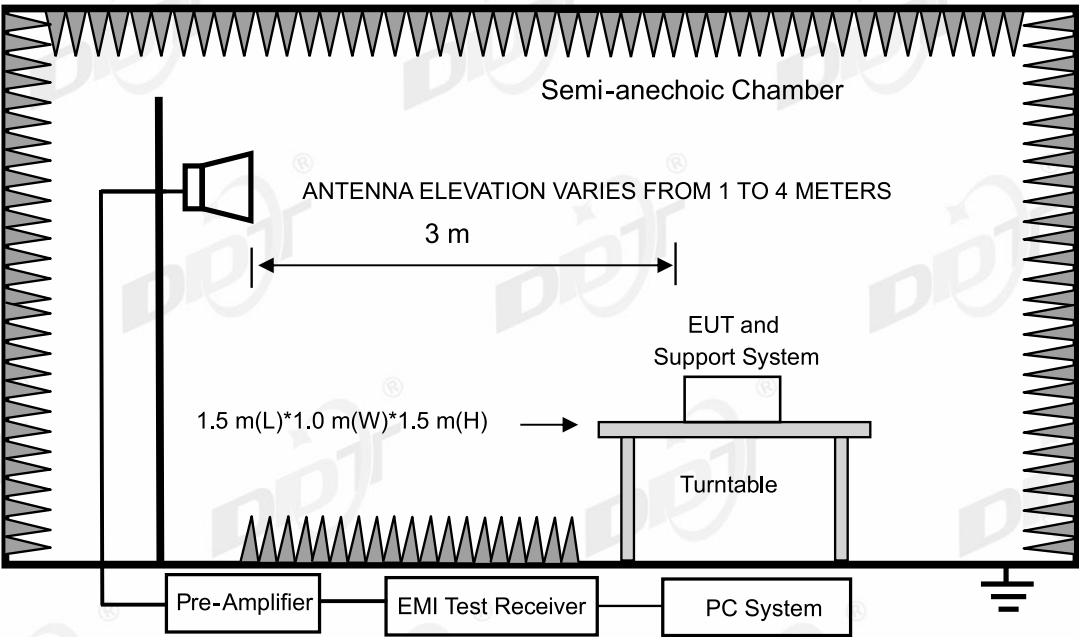




12.3. Limits

(1) FCC 15.205 Restricted frequency band

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

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

²Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

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

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

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

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

Note:

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

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

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

(3) Limit for this EUT

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

12.4. Assistant equipment used for test

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

12.5. Test procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.
- (2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

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

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

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

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

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

- (c) Change modulation type of device if practicable.

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

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

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

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

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

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

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

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

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

(9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

(10) 30 MHz ~ 40 GHz: (Scan with all mode, the worst case is record and report)

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

12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

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:

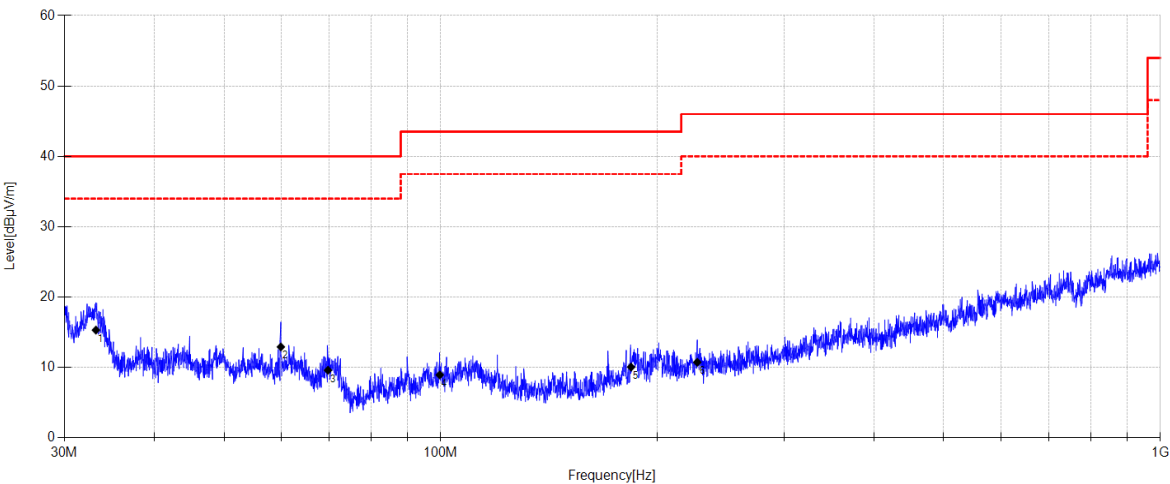
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Memo:

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	33.187	31.61	11.02	3.78	15.31	40.00	24.69	QP	Horizontal
2	59.977	27.27	12.79	3.96	12.92	40.00	27.08	QP	Horizontal
3	69.735	26.69	9.99	4.02	9.60	40.00	30.40	QP	Horizontal
4	99.714	24.42	11.40	4.22	8.94	43.50	34.56	QP	Horizontal
5	183.906	26.94	9.62	4.67	10.05	43.50	33.45	QP	Horizontal
6	227.279	25.57	11.53	4.89	10.74	46.00	35.26	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:

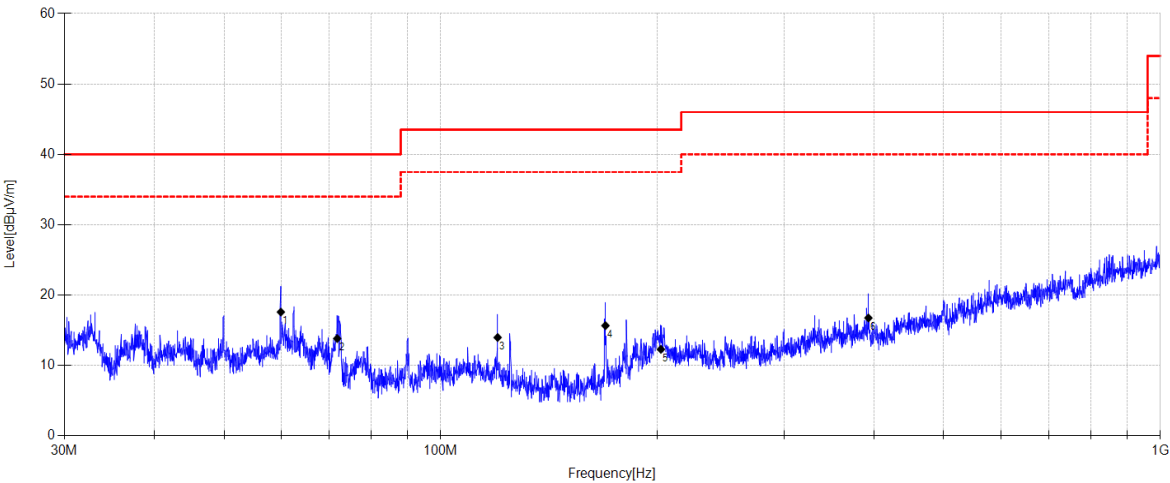
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Memo:

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	59.977	31.94	12.79	3.96	17.59	40.00	22.41	QP	Vertical
2	71.819	31.31	9.58	4.03	13.82	40.00	26.18	QP	Vertical
3	119.991	30.76	10.00	4.33	13.97	43.50	29.53	QP	Vertical
4	169.421	33.1	9.14	4.59	15.66	43.50	27.84	QP	Vertical
5	202.307	28.01	10.71	4.77	12.29	43.50	31.21	QP	Vertical
6	392.994	27.23	15.38	5.59	16.75	46.00	29.25	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

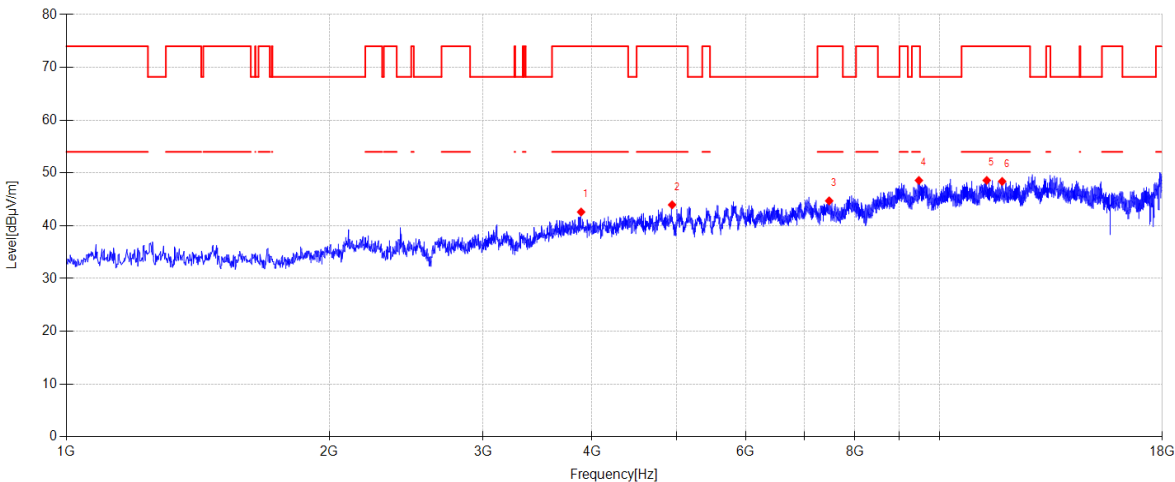
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Memo:

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	3886.600	46.68	31.12	4.45	-39.65	42.60	74.00	31.40	PK	Horizontal
2	4940.600	45.34	33.08	5.14	-39.60	43.96	74.00	30.04	PK	Horizontal
3	7477.000	42.49	36.55	6.24	-40.57	44.71	74.00	29.29	PK	Horizontal
4	9472.800	42.03	38.70	7.03	-39.18	48.58	74.00	25.42	PK	Horizontal
5	11327.500	41.11	39.23	7.58	-39.33	48.59	74.00	25.41	PK	Horizontal
6	11798.400	41.42	38.90	7.87	-39.80	48.39	74.00	25.61	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

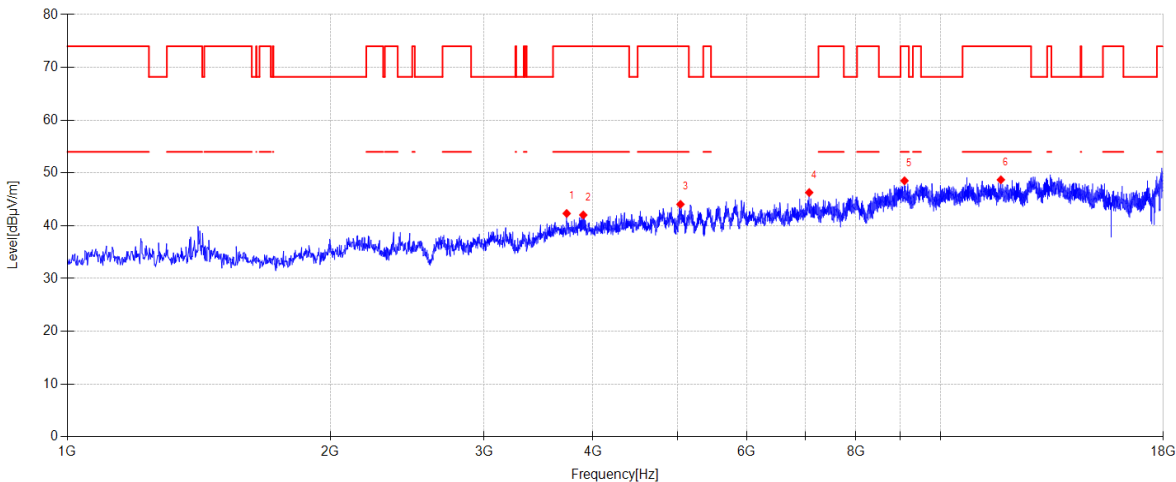
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Memo:

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	3731.900	47.12	30.46	4.36	-39.62	42.32	74.00	31.68	PK	Vertical
2	3898.500	46.05	31.19	4.46	-39.66	42.04	74.00	31.96	PK	Vertical
3	5037.500	45.18	33.28	5.20	-39.60	44.06	74.00	29.94	PK	Vertical
4	7074.100	44.81	36.44	5.97	-40.93	46.29	68.20	21.91	PK	Vertical
5	9095.400	41.90	38.49	7.01	-38.88	48.52	74.00	25.48	PK	Vertical
6	11727.000	41.64	38.97	7.82	-39.73	48.70	74.00	25.30	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5200 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

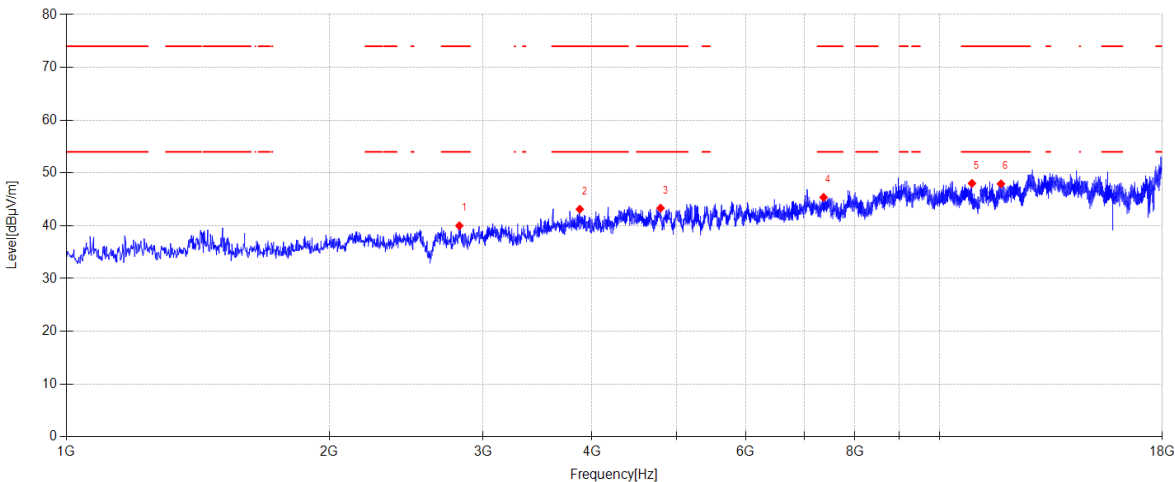
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Memo:

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	2819.000	46.55	27.55	5.11	-39.21	40.00	74.00	34.00	PK	Horizontal
2	3873.000	46.67	31.04	5.07	-39.65	43.13	74.00	30.87	PK	Horizontal
3	4792.700	44.95	32.47	5.53	-39.62	43.33	74.00	30.67	PK	Horizontal
4	7368.200	42.65	36.76	6.64	-40.67	45.38	74.00	28.62	PK	Horizontal
5	10894.000	39.70	39.31	8.08	-39.06	48.03	74.00	25.97	PK	Horizontal
6	11761.000	40.15	38.94	8.61	-39.76	47.94	74.00	26.06	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:

11AX20 5200 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

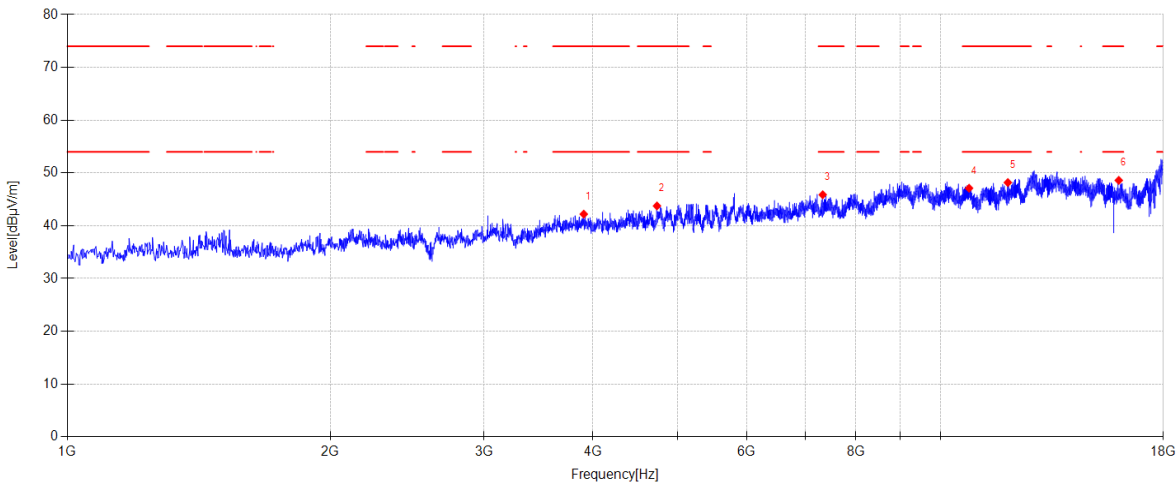
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Memo:

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	3903.600	45.59	31.19	5.07	-39.66	42.19	74.00	31.81	PK	Vertical
2	4734.900	45.61	32.27	5.49	-39.62	43.75	74.00	30.25	PK	Vertical
3	7330.800	43.11	36.84	6.62	-40.70	45.87	74.00	28.13	PK	Vertical
4	10783.500	38.82	39.40	8.02	-39.13	47.11	74.00	26.89	PK	Vertical
5	11944.600	40.36	39.03	8.73	-39.94	48.18	74.00	25.82	PK	Vertical
6	16004.200	39.85	38.00	10.15	-39.40	48.60	74.00	25.40	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:

11AX20 5240 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

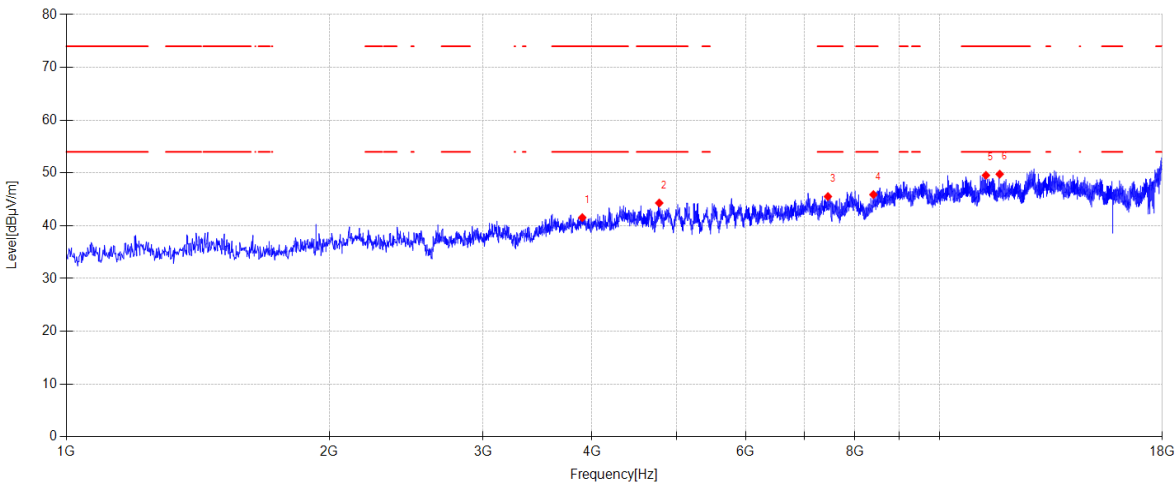
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Memo:

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	3898.500	44.94	31.19	5.07	-39.66	41.54	74.00	32.46	PK	Horizontal
2	4775.700	46.01	32.40	5.52	-39.62	44.31	74.00	29.69	PK	Horizontal
3	7451.500	42.84	36.60	6.68	-40.59	45.53	74.00	28.47	PK	Horizontal
4	8401.800	40.88	37.50	7.10	-39.58	45.90	74.00	28.10	PK	Horizontal
5	11303.700	41.33	39.20	8.32	-39.30	49.55	74.00	24.45	PK	Horizontal
6	11721.900	41.93	38.98	8.58	-39.72	49.77	74.00	24.23	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5240 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

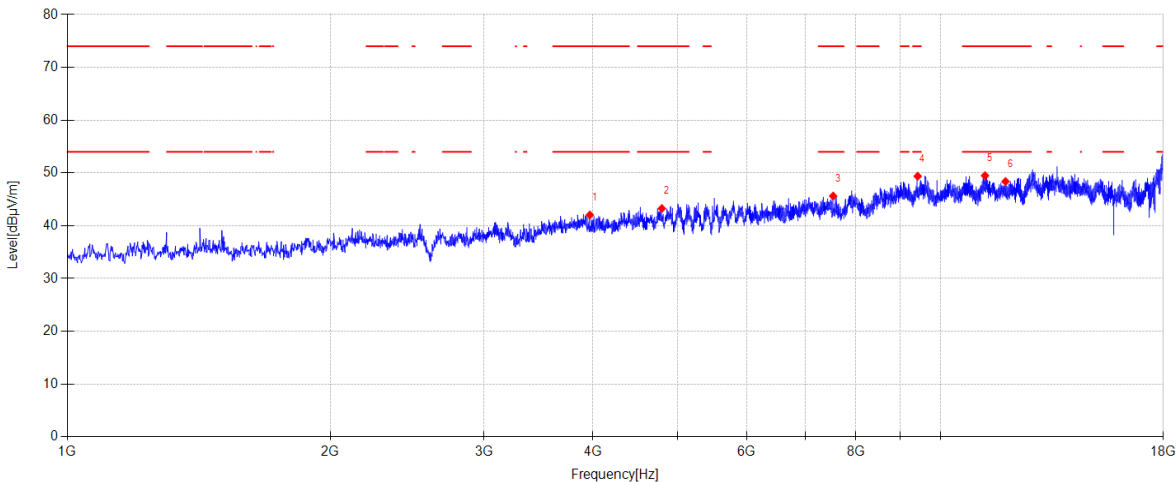
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Memo:

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	3966.500	45.62	31.03	5.06	-39.67	42.04	74.00	31.96	PK	Vertical
2	4796.100	44.88	32.48	5.53	-39.62	43.27	74.00	30.73	PK	Vertical
3	7534.800	43.00	36.43	6.72	-40.52	45.63	74.00	28.37	PK	Vertical
4	9416.700	42.37	38.70	7.44	-39.13	49.38	74.00	24.62	PK	Vertical
5	11245.900	41.26	39.20	8.28	-39.25	49.49	74.00	24.51	PK	Vertical
6	11871.500	40.67	38.90	8.68	-39.87	48.38	74.00	25.62	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:

11AX20 5260 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

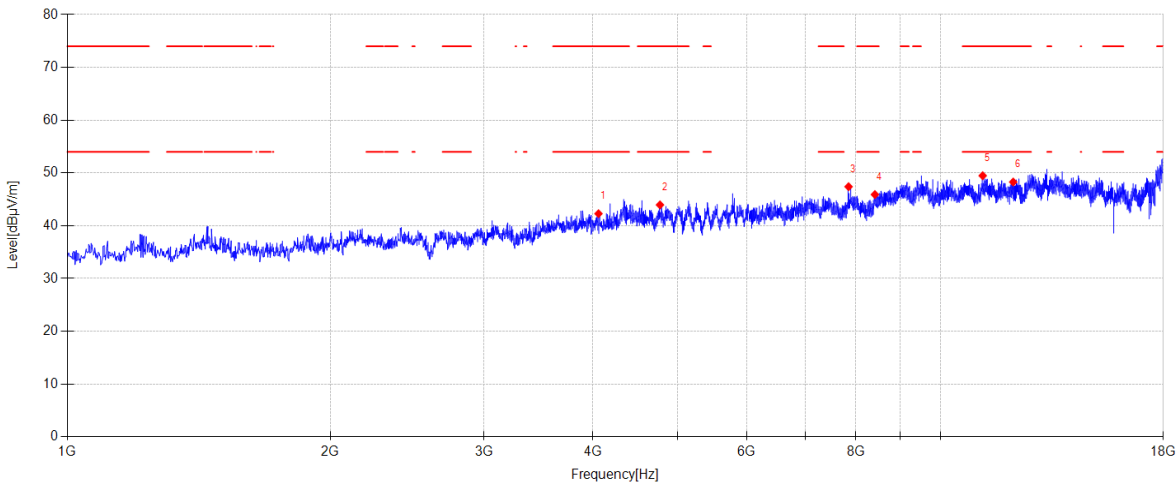
File Path:

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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	4058.300	45.87	31.02	5.08	-39.68	42.29	74.00	31.71	PK	Horizontal
2	4772.300	45.67	32.39	5.51	-39.62	43.95	74.00	30.05	PK	Horizontal
3	7847.600	43.85	36.90	6.89	-40.24	47.40	-	-	PK	Horizontal
4	8412.000	40.86	37.50	7.11	-39.56	45.91	74.00	28.09	PK	Horizontal
5	11177.900	41.20	39.22	8.24	-39.18	49.48	74.00	24.52	PK	Horizontal
6	12114.600	40.14	39.30	8.82	-39.98	48.28	74.00	25.72	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5260 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

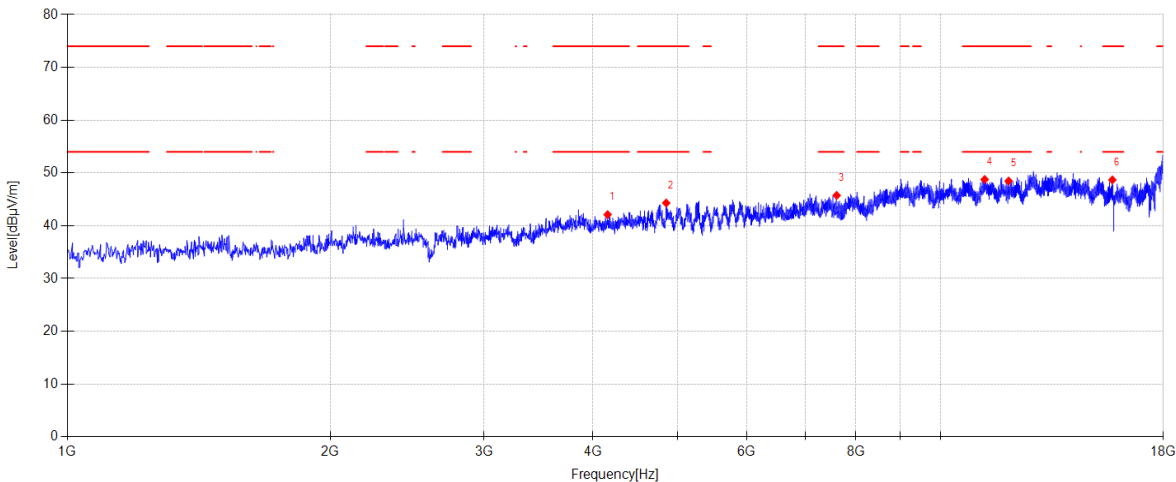
File Path:

d:\ts\2024 report data\BAR 1300\SRD\6

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	4156.900	45.44	31.20	5.14	-39.67	42.11	74.00	31.89	PK	Vertical
2	4852.200	44.60	33.76	5.56	-39.61	44.31	74.00	29.69	PK	Vertical
3	7606.200	42.93	36.51	6.76	-40.45	45.75	74.00	28.25	PK	Vertical
4	11237.400	40.53	39.20	8.28	-39.24	48.77	74.00	25.23	PK	Vertical
5	11968.400	40.60	39.11	8.74	-39.97	48.48	74.00	25.52	PK	Vertical
6	15735.600	39.68	38.43	9.97	-39.40	48.68	74.00	25.32	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5280 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

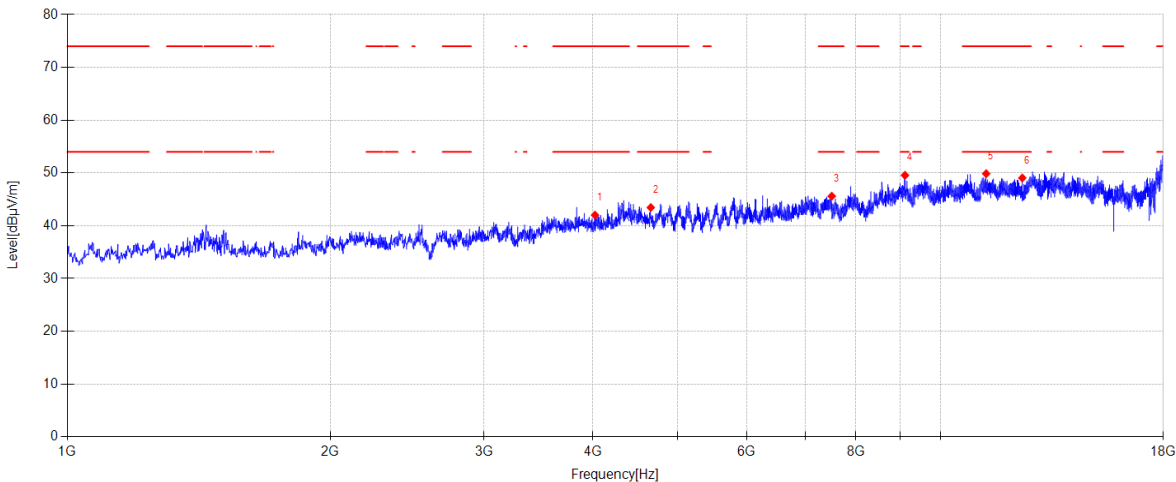
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d:\ts\2024 report data\BAR 1300\SRD\7

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	4020.900	45.69	30.94	5.06	-39.68	42.01	74.00	31.99	PK	Horizontal
2	4658.400	45.60	32.03	5.45	-39.63	43.45	74.00	30.55	PK	Horizontal
3	7507.600	42.94	36.48	6.71	-40.54	45.59	74.00	28.41	PK	Horizontal
4	9107.300	42.61	38.50	7.34	-38.89	49.56	74.00	24.44	PK	Horizontal
5	11281.600	41.64	39.20	8.31	-39.28	49.87	74.00	24.13	PK	Horizontal
6	12408.700	40.69	39.31	8.97	-39.92	49.05	74.00	24.95	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:

11AX20 5280 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

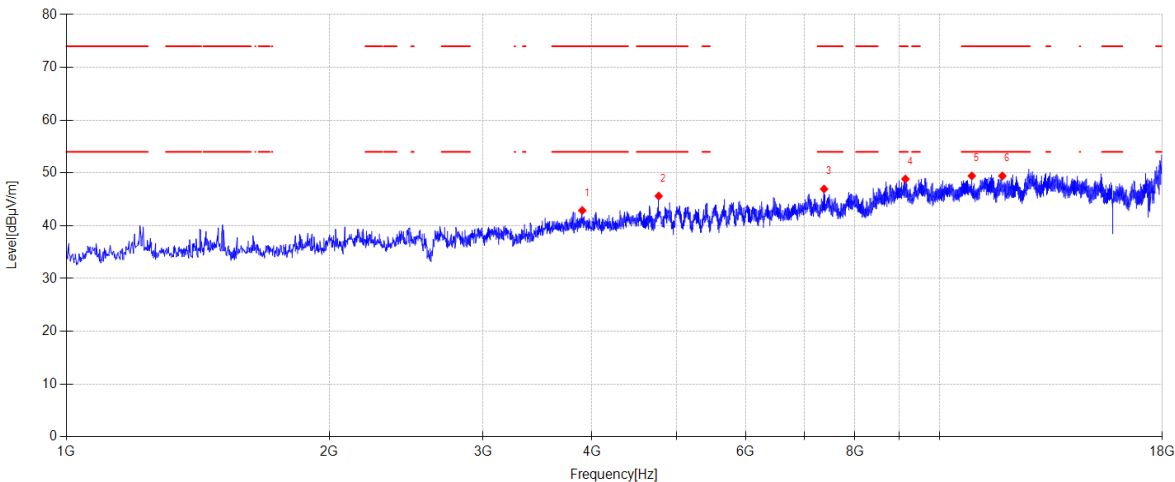
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d:\ts\2024 report data\BAR 1300\SRD\8

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	3898.500	46.29	31.19	5.07	-39.66	42.89	74.00	31.11	PK	Vertical
2	4768.900	47.35	32.38	5.51	-39.62	45.62	74.00	28.38	PK	Vertical
3	7376.700	44.23	36.75	6.64	-40.66	46.96	74.00	27.04	PK	Vertical
4	9141.300	41.91	38.50	7.35	-38.91	48.85	74.00	25.15	PK	Vertical
5	10892.300	41.11	39.31	8.08	-39.06	49.44	74.00	24.56	PK	Vertical
6	11803.500	41.69	38.90	8.64	-39.80	49.43	74.00	24.57	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

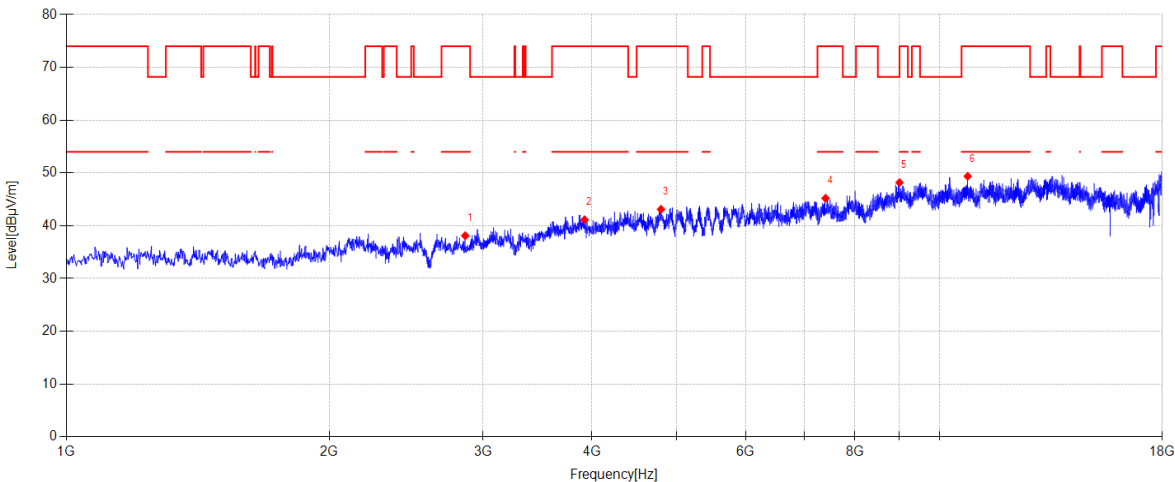
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Memo:

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	2863.200	45.64	27.91	3.83	-39.27	38.11	74.00	35.89	PK	Horizontal
2	3922.300	45.17	31.16	4.47	-39.66	41.14	74.00	32.86	PK	Horizontal
3	4797.800	45.19	32.49	5.05	-39.62	43.11	74.00	30.89	PK	Horizontal
4	7405.600	42.94	36.69	6.20	-40.63	45.20	74.00	28.80	PK	Horizontal
5	9000.200	41.68	38.30	7.00	-38.80	48.18	74.00	25.82	PK	Horizontal
6	10773.300	41.80	39.40	7.31	-39.14	49.37	74.00	24.63	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

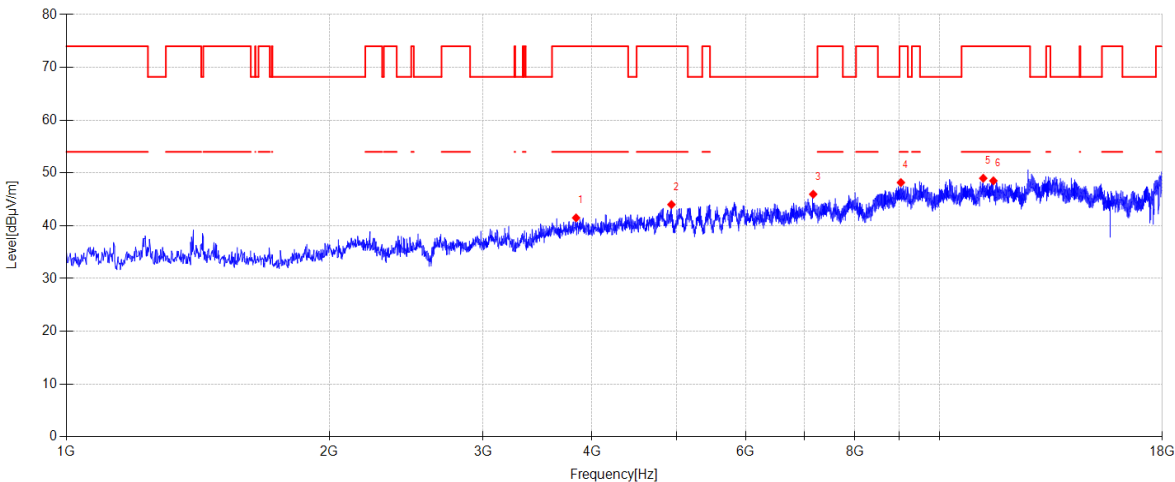
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Memo:

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	3835.600	45.87	30.84	4.42	-39.64	41.49	74.00	32.51	PK	Vertical
2	4932.100	45.42	33.06	5.14	-39.61	44.01	74.00	29.99	PK	Vertical
3	7167.600	44.05	36.74	6.03	-40.85	45.97	68.20	22.23	PK	Vertical
4	9034.200	41.64	38.37	7.00	-38.83	48.18	74.00	25.82	PK	Vertical
5	11223.800	41.49	39.20	7.52	-39.22	48.99	74.00	25.01	PK	Vertical
6	11528.100	41.21	39.14	7.70	-39.53	48.52	74.00	25.48	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

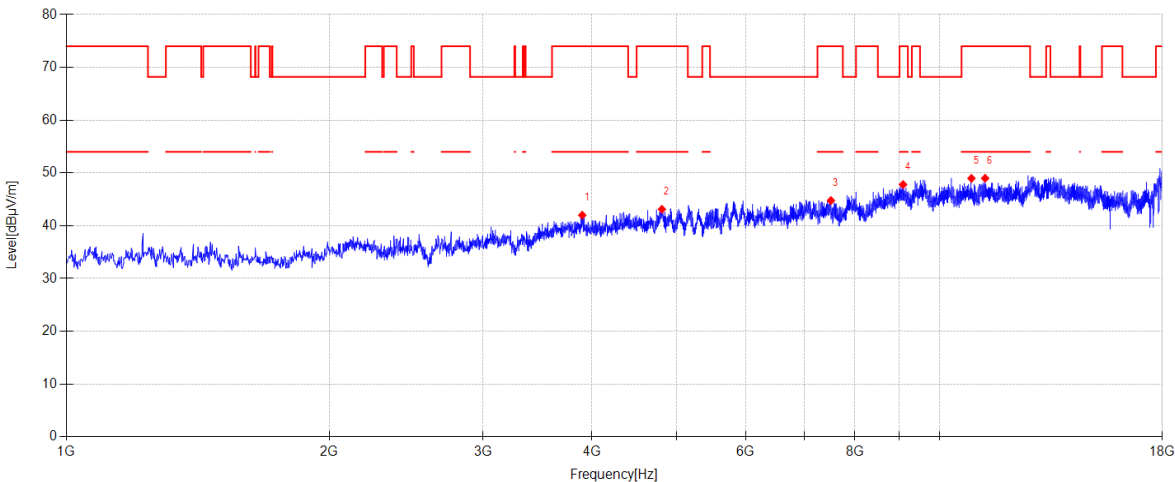
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Memo:

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	3898.500	46.01	31.19	4.46	-39.66	42.00	74.00	32.00	PK	Horizontal
2	4809.700	44.94	32.75	5.05	-39.62	43.12	74.00	30.88	PK	Horizontal
3	7511.000	42.56	36.48	6.27	-40.54	44.77	74.00	29.23	PK	Horizontal
4	9085.200	41.19	38.47	7.01	-38.87	47.80	74.00	26.20	PK	Horizontal
5	10880.400	41.38	39.32	7.34	-39.07	48.97	74.00	25.03	PK	Horizontal
6	11279.900	41.52	39.20	7.55	-39.28	48.99	74.00	25.01	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

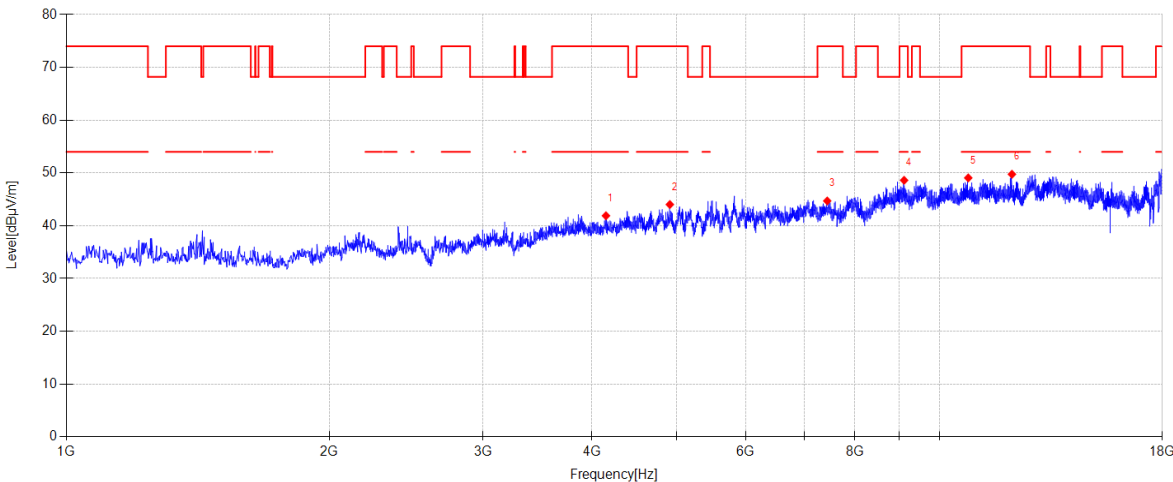
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Memo:

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	4150.100	45.74	31.20	4.62	-39.67	41.89	74.00	32.11	PK	Vertical
2	4911.700	45.49	33.02	5.12	-39.61	44.02	74.00	29.98	PK	Vertical
3	7437.900	42.47	36.62	6.22	-40.61	44.70	74.00	29.30	PK	Vertical
4	9110.700	41.99	38.50	7.01	-38.89	48.61	74.00	25.39	PK	Vertical
5	10788.600	41.48	39.40	7.31	-39.13	49.06	74.00	24.94	PK	Vertical
6	12106.100	42.40	39.30	8.03	-39.98	49.75	74.00	24.25	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:

11AX20 5580 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

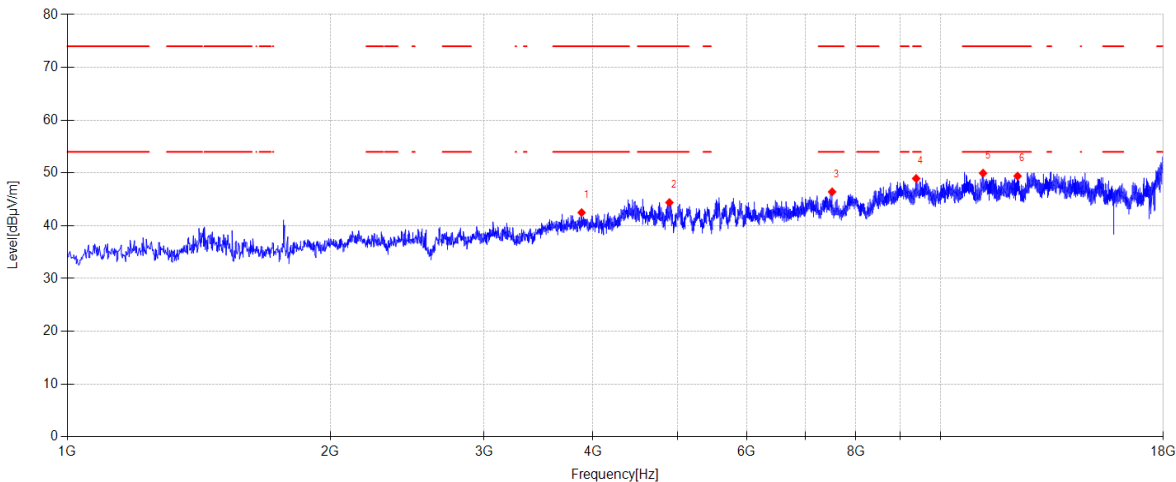
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Memo:

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	3881.500	45.98	31.09	5.07	-39.65	42.49	74.00	31.51	PK	Horizontal
2	4893.000	45.30	33.11	5.59	-39.61	44.39	74.00	29.61	PK	Horizontal
3	7514.400	43.78	36.47	6.71	-40.54	46.42	74.00	27.58	PK	Horizontal
4	9379.300	41.91	38.70	7.43	-39.10	48.94	74.00	25.06	PK	Horizontal
5	11189.800	41.69	39.21	8.25	-39.19	49.96	74.00	24.04	PK	Horizontal
6	12255.700	41.17	39.30	8.89	-39.95	49.41	74.00	24.59	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5580 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

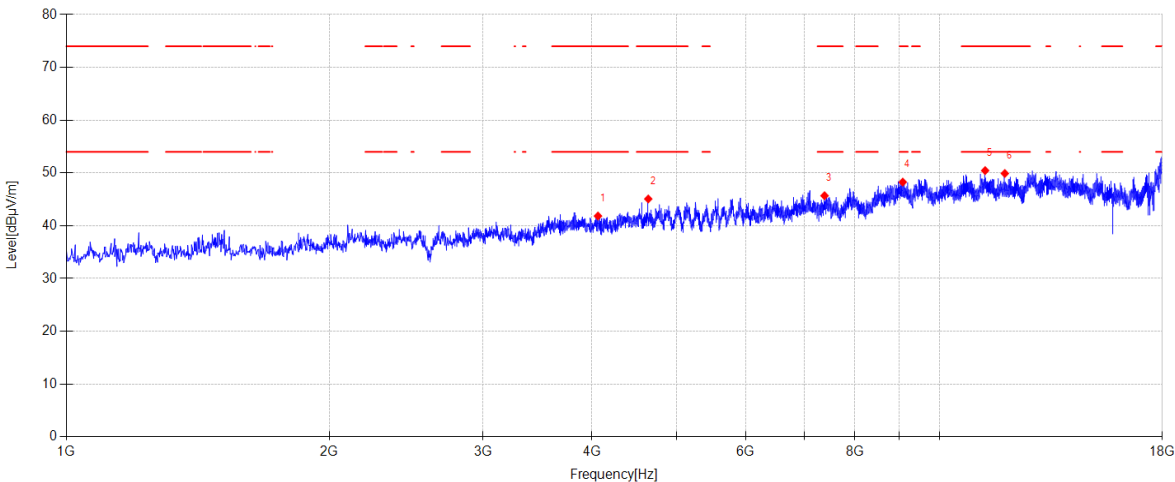
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Memo:

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	4063.400	45.39	31.03	5.09	-39.67	41.84	74.00	32.16	PK	Vertical
2	4639.700	47.30	31.98	5.43	-39.63	45.08	74.00	28.92	PK	Vertical
3	7385.200	42.97	36.73	6.64	-40.65	45.69	74.00	28.31	PK	Vertical
4	9076.700	41.35	38.45	7.33	-38.86	48.27	74.00	25.73	PK	Vertical
5	11279.900	42.22	39.20	8.31	-39.28	50.45	74.00	23.55	PK	Vertical
6	11881.700	42.20	38.90	8.69	-39.88	49.91	74.00	24.09	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

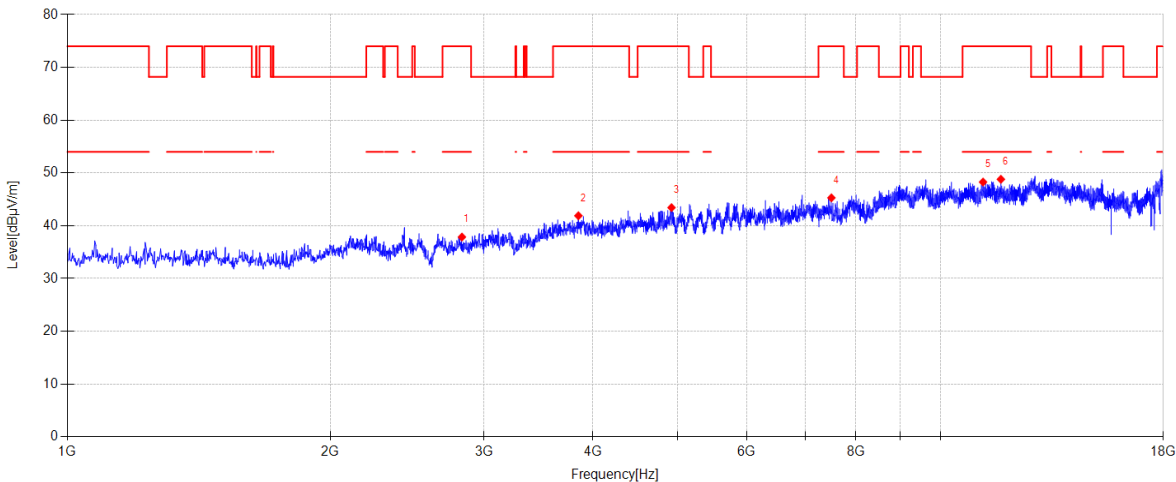
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Memo:

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	2830.900	45.62	27.65	3.82	-39.23	37.86	74.00	36.14	PK	Horizontal
2	3849.200	46.20	30.90	4.43	-39.64	41.89	74.00	32.11	PK	Horizontal
3	4920.200	44.87	33.04	5.13	-39.61	43.43	74.00	30.57	PK	Horizontal
4	7500.800	43.08	36.50	6.26	-40.55	45.29	74.00	28.71	PK	Horizontal
5	11188.100	40.77	39.21	7.49	-39.19	48.28	74.00	25.72	PK	Horizontal
6	11728.700	41.74	38.97	7.82	-39.73	48.80	74.00	25.20	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

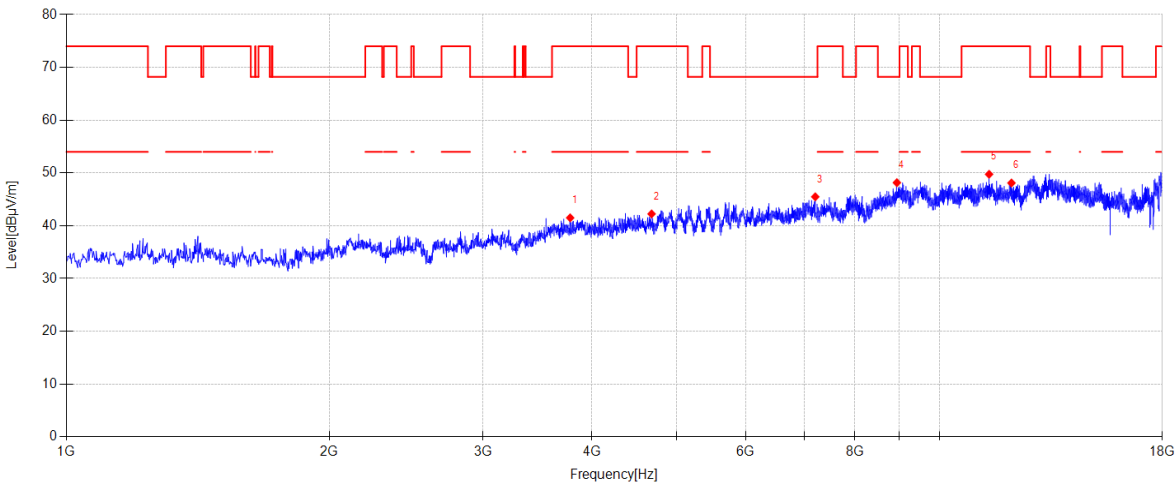
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Memo:

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	3776.100	46.15	30.60	4.38	-39.63	41.50	74.00	32.50	PK	Vertical
2	4680.500	44.78	32.12	4.97	-39.63	42.24	74.00	31.76	PK	Vertical
3	7206.700	43.43	36.80	6.06	-40.81	45.48	68.20	22.72	PK	Vertical
4	8939.000	41.68	38.38	6.98	-38.88	48.16	68.20	20.04	PK	Vertical
5	11398.900	42.23	39.30	7.62	-39.40	49.75	74.00	24.25	PK	Vertical
6	12092.500	40.76	39.29	8.03	-39.98	48.10	74.00	25.90	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

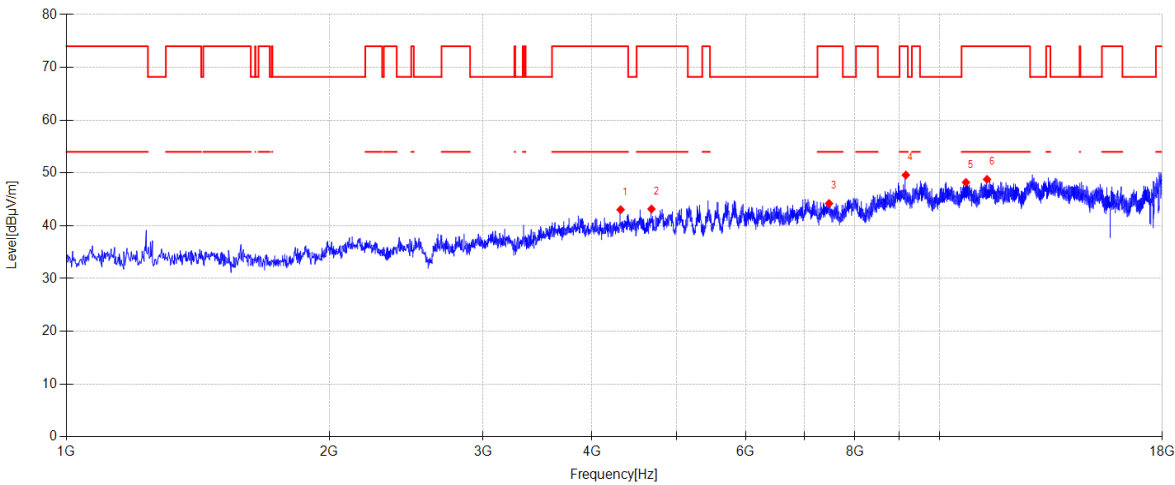
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d:\ts\2024 report data\BAR 1300\FCC Above 1G 5G SRD\45

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	4313.300	46.36	31.60	4.73	-39.65	43.04	74.00	30.96	PK	Horizontal
2	4678.800	45.71	32.12	4.97	-39.63	43.17	74.00	30.83	PK	Horizontal
3	7473.600	42.00	36.55	6.24	-40.57	44.22	74.00	29.78	PK	Horizontal
4	9151.500	43.02	38.50	7.01	-38.92	49.61	74.00	24.39	PK	Horizontal
5	10724.000	40.69	39.40	7.29	-39.17	48.21	74.00	25.79	PK	Horizontal
6	11336.000	41.31	39.24	7.58	-39.34	48.79	74.00	25.21	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

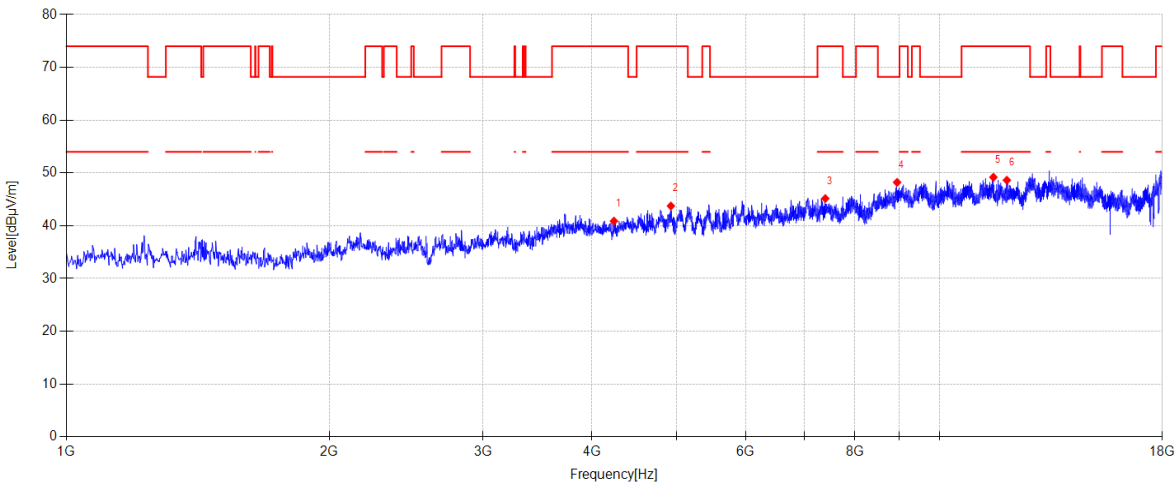
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d:\ts\2024 report data\BAR 1300\FCC Above 1G 5G SRD\46

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	4238.500	44.51	31.35	4.68	-39.66	40.88	74.00	33.12	PK	Vertical
2	4925.300	45.17	33.05	5.13	-39.61	43.74	74.00	30.26	PK	Vertical
3	7400.500	42.91	36.70	6.19	-40.64	45.16	74.00	28.84	PK	Vertical
4	8942.400	41.73	38.38	6.98	-38.87	48.22	68.20	19.98	PK	Vertical
5	11528.100	41.88	39.14	7.70	-39.53	49.19	74.00	24.81	PK	Vertical
6	11944.600	41.58	39.03	7.96	-39.94	48.63	74.00	25.37	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

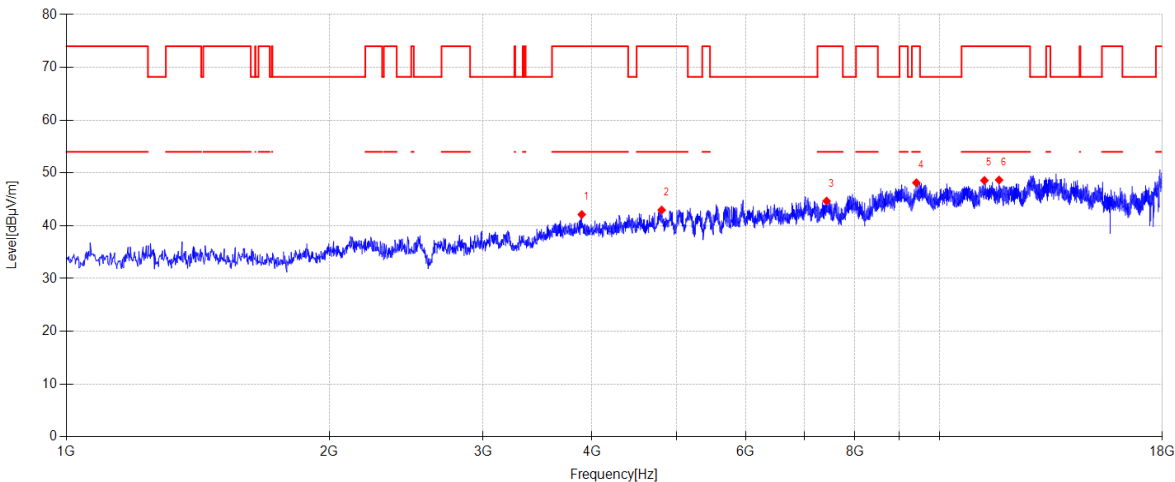
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d:\ts\2024 report data\BAR 1300\FCC Above 1G 5G SRD\47

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	46.17	31.16	4.45	-39.65	42.13	74.00	31.87	PK	Horizontal
2	4806.300	44.89	32.66	5.05	-39.62	42.98	74.00	31.02	PK	Horizontal
3	7426.000	42.43	36.65	6.21	-40.62	44.67	74.00	29.33	PK	Horizontal
4	9409.900	41.55	38.70	7.02	-39.13	48.14	74.00	25.86	PK	Horizontal
5	11259.500	41.10	39.20	7.54	-39.26	48.58	74.00	25.42	PK	Horizontal
6	11703.200	41.55	39.00	7.81	-39.70	48.66	74.00	25.34	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

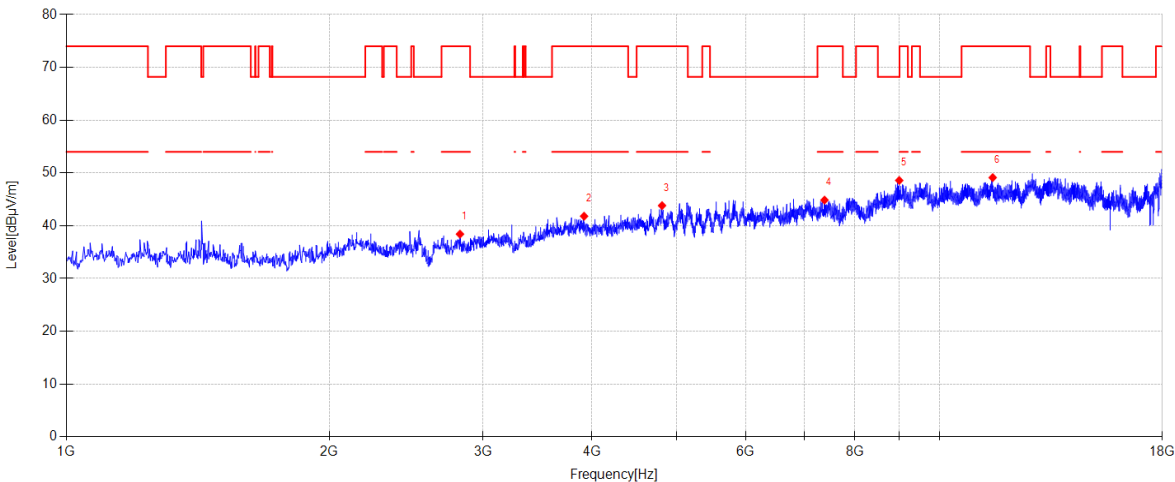
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Memo:

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	2824.100	46.23	27.59	3.81	-39.22	38.41	74.00	35.59	PK	Vertical
2	3917.200	45.82	31.17	4.47	-39.66	41.80	74.00	32.20	PK	Vertical
3	4811.400	45.57	32.80	5.06	-39.62	43.81	74.00	30.19	PK	Vertical
4	7385.200	42.60	36.73	6.18	-40.65	44.86	74.00	29.14	PK	Vertical
5	8993.400	42.08	38.31	7.00	-38.81	48.58	68.20	19.62	PK	Vertical
6	11507.700	41.76	39.18	7.69	-39.51	49.12	74.00	24.88	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

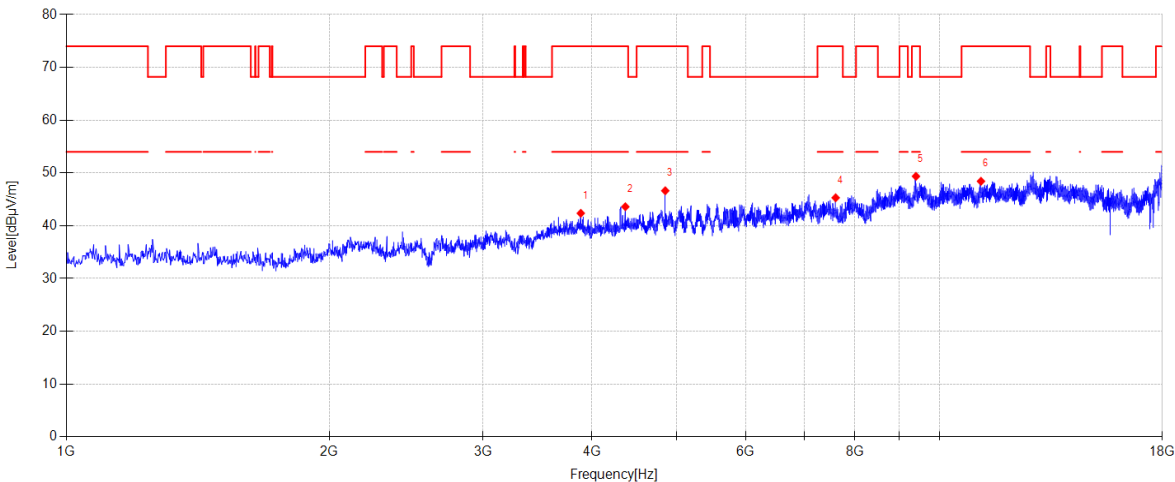
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Memo:

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	3883.200	46.46	31.10	4.45	-39.65	42.36	74.00	31.64	PK	Horizontal
2	4367.700	46.85	31.64	4.76	-39.65	43.60	74.00	30.40	PK	Horizontal
3	4852.200	47.40	33.76	5.08	-39.61	46.63	74.00	27.37	PK	Horizontal
4	7606.200	42.91	36.51	6.33	-40.45	45.30	74.00	28.70	PK	Horizontal
5	9399.700	42.76	38.70	7.02	-39.12	49.36	74.00	24.64	PK	Horizontal
6	11157.500	40.86	39.24	7.48	-39.16	48.42	74.00	25.58	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

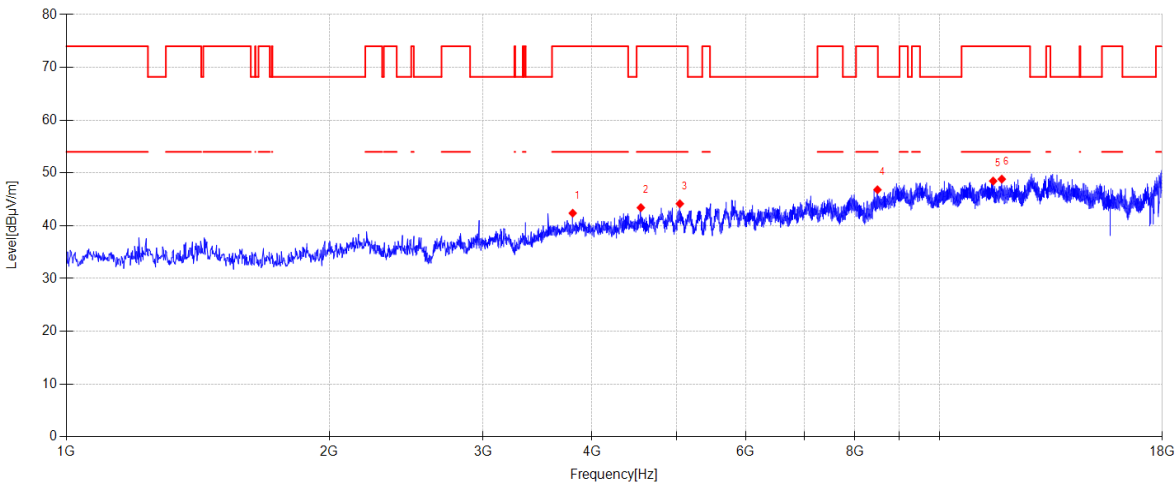
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Memo:

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	3801.600	46.90	30.71	4.40	-39.63	42.38	74.00	31.62	PK	Vertical
2	4549.600	46.28	31.90	4.88	-39.64	43.42	74.00	30.58	PK	Vertical
3	5042.600	45.26	33.29	5.21	-39.60	44.16	74.00	29.84	PK	Vertical
4	8491.900	41.81	37.67	6.80	-39.46	46.82	74.00	27.18	PK	Vertical
5	11521.300	41.13	39.16	7.70	-39.52	48.47	74.00	25.53	PK	Vertical
6	11786.500	41.85	38.91	7.86	-39.79	48.83	74.00	25.17	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

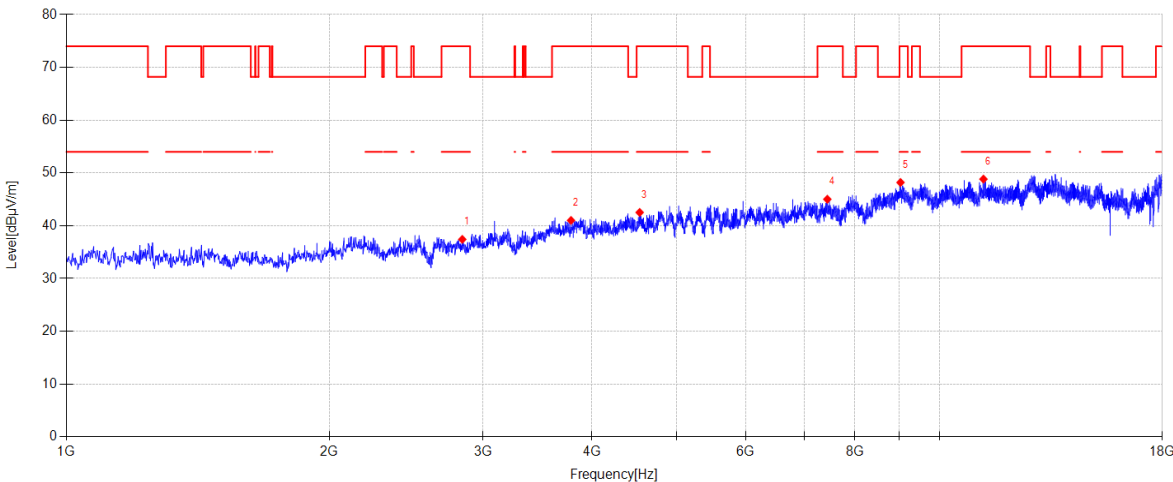
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d:\ts\2024 report data\BAR 1300\FCC Above 1G 5G SRD\51

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	2841.100	45.10	27.73	3.82	-39.24	37.41	74.00	36.59	PK	Horizontal
2	3784.600	45.61	30.64	4.39	-39.63	41.01	74.00	32.99	PK	Horizontal
3	4536.000	45.42	31.87	4.87	-39.64	42.52	74.00	31.48	PK	Horizontal
4	7439.600	42.78	36.62	6.22	-40.60	45.02	74.00	28.98	PK	Horizontal
5	9024.000	41.67	38.35	7.00	-38.82	48.20	74.00	25.80	PK	Horizontal
6	11230.600	41.34	39.20	7.52	-39.23	48.83	74.00	25.17	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:

2024-12-03

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

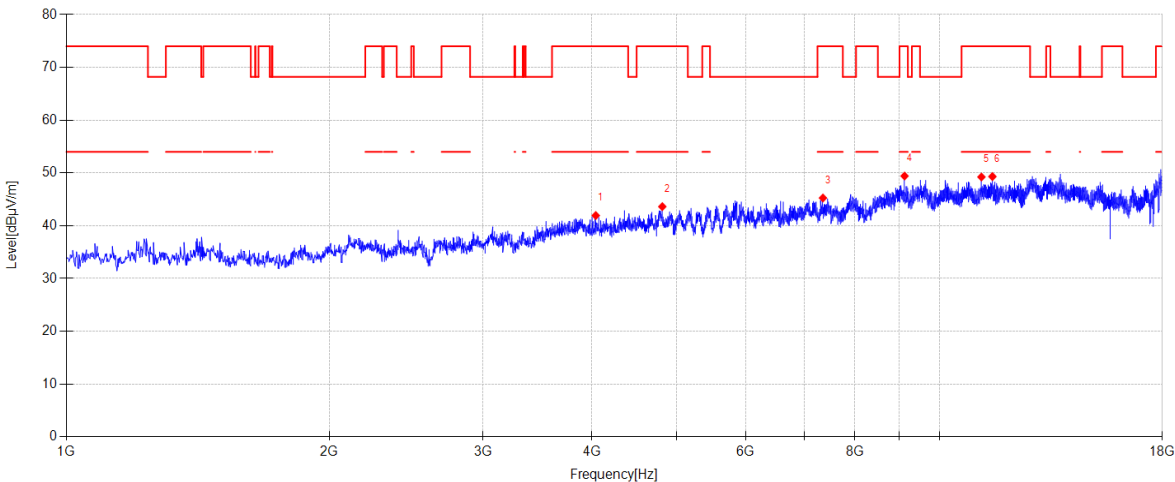
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Memo:

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	4039.600	46.08	30.98	4.55	-39.68	41.93	74.00	32.07	PK	Vertical
2	4814.800	45.29	32.88	5.06	-39.61	43.62	74.00	30.38	PK	Vertical
3	7354.600	42.99	36.79	6.16	-40.68	45.26	74.00	28.74	PK	Vertical
4	9120.900	42.81	38.50	7.01	-38.90	49.42	74.00	24.58	PK	Vertical
5	11171.100	41.70	39.23	7.48	-39.17	49.24	74.00	24.76	PK	Vertical
6	11499.200	41.94	39.20	7.68	-39.50	49.32	74.00	24.68	PK	Vertical

Note:

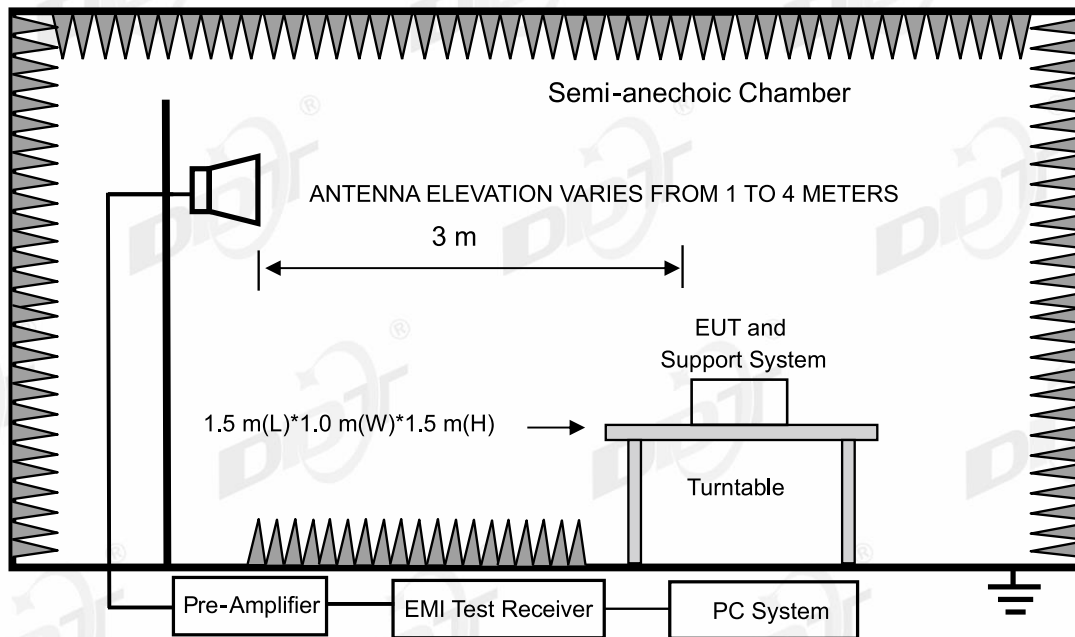
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13.Band Edge Compliance

13.1. Test equipment

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

13.2. Block diagram of test setup



13.3. 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.

13.4. Assistant equipment used for test

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

13.5. 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.

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

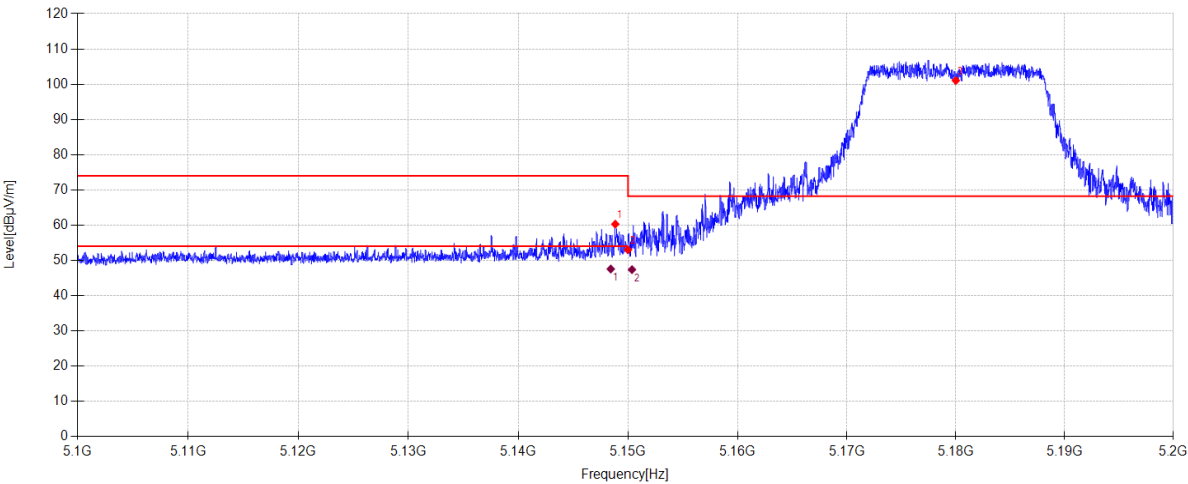
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d:\ts\2024 report data\BAR 1300\0116 5G SRD\46

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	5148.840	51.21	33.40	5.28	-29.60	60.29	74.00	13.71	PK	Horizontal
2	5150.000	43.93	33.40	5.28	-29.60	53.01	68.20	15.19	PK	Horizontal
3	5180.000	92.01	33.34	5.30	-29.60	101.05	-	-	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	5148.427	38.47	33.40	5.28	47.55	54	6.45	AV	Horizontal	
2	5150.362	38.30	33.40	5.28	47.38	54	6.62	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

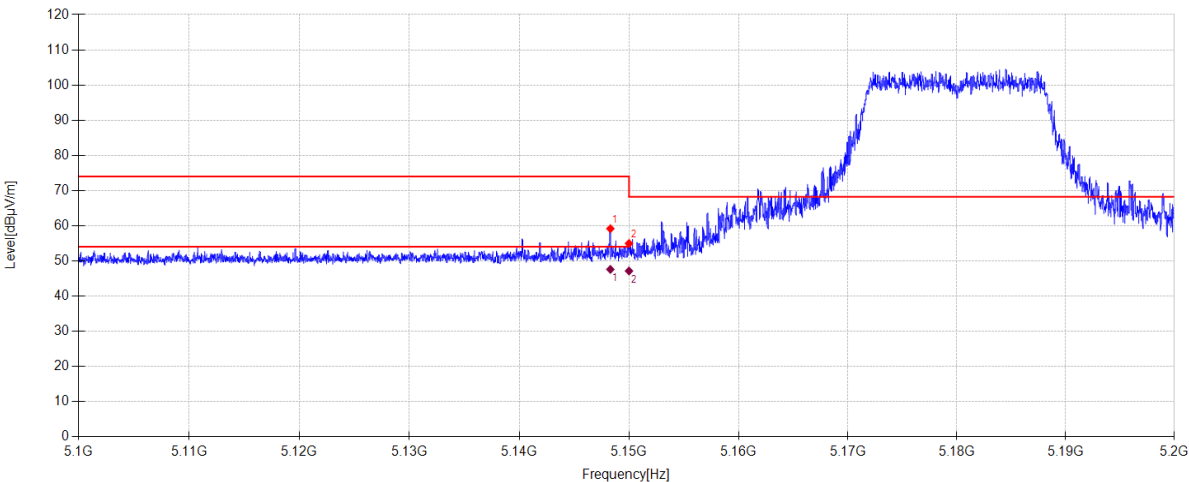
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Memo:

Sample Number: 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	5148.300	50.09	33.40	5.28	-29.60	59.17	74.00	14.83	PK	Vertical
2	5150.000	45.87	33.40	5.28	-29.60	54.95	68.20	13.25	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	5148.300	38.51	33.40	5.28	47.59	54	6.41	AV	Vertical
2	5150.000	38.05	33.40	5.28	47.13	54	6.87	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

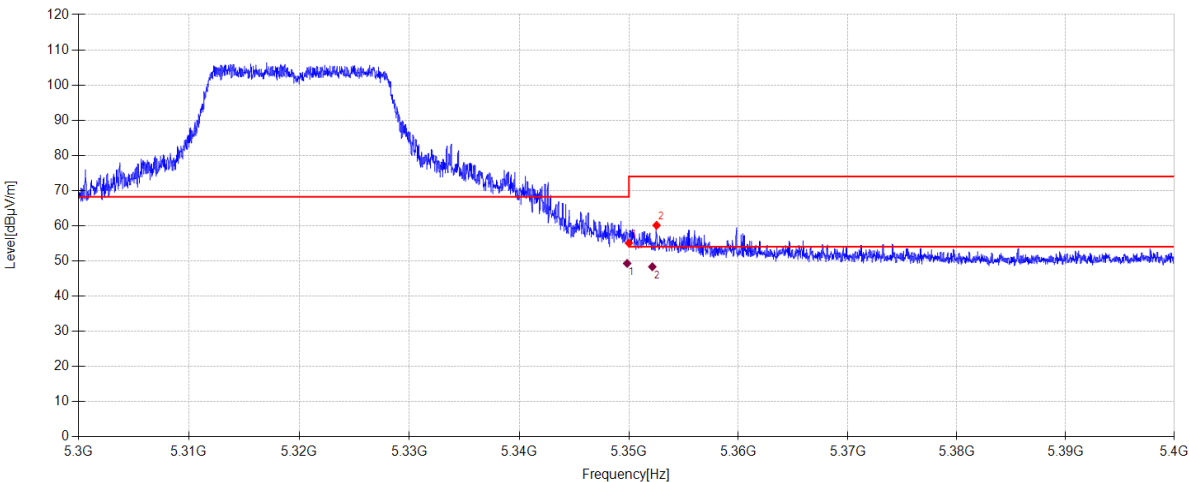
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d:\ts\2024 report data\BAR 1300\0116 5G SRD\44

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	46.16	33.10	5.41	-29.60	55.07	68.20	13.13	PK	Horizontal
2	5352.520	51.20	33.10	5.41	-29.60	60.11	74.00	13.89	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	5349.837	40.38	33.10	5.41	49.29	54	4.71	AV	Horizontal
2	5352.135	39.42	33.10	5.41	48.33	54	5.67	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

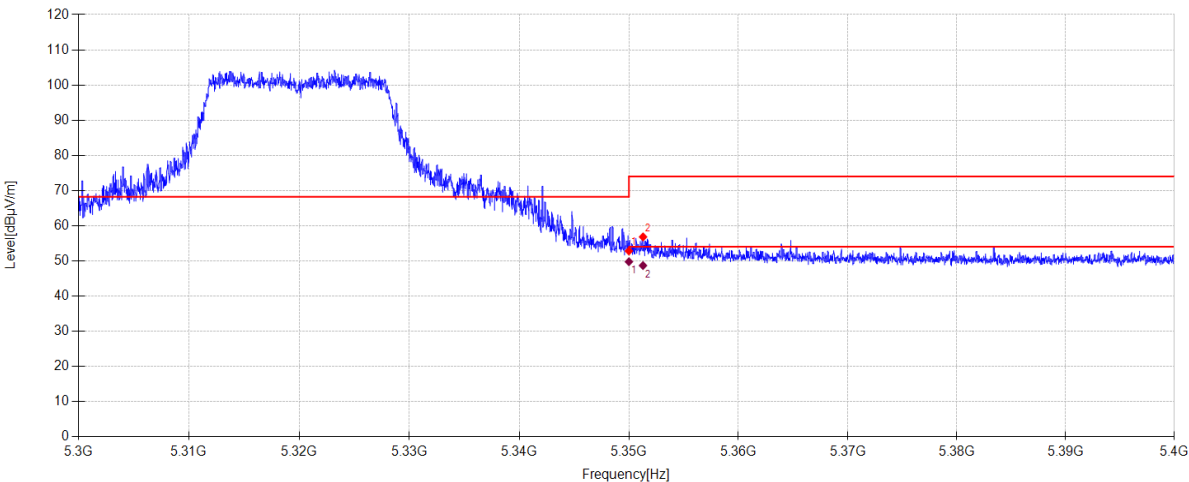
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Memo:

Sample Number: 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	43.91	33.10	5.41	-29.60	52.82	68.20	15.38	PK	Vertical
2	5351.290	47.92	33.10	5.41	-29.60	56.83	74.00	17.17	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	5350.000	40.86	33.10	5.41	49.77	54	4.23	AV	Vertical
2	5351.290	39.77	33.10	5.41	48.68	54	5.32	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

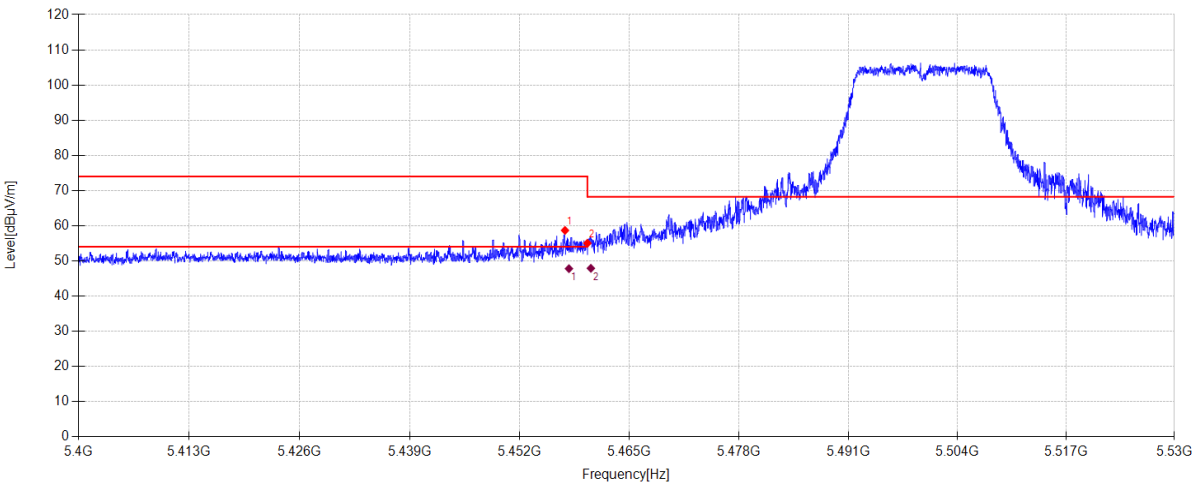
File Path:

d:\ts\2024 report data\BAR 1300\0116 5G SRD\42

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	5457.343	49.79	33.00	5.48	-29.60	58.67	74.00	15.33	PK	Horizontal
2	5460.000	46.15	33.00	5.48	-29.60	55.03	68.20	13.17	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	5457.811	38.91	33.00	5.48	47.79	54	6.21	AV	Horizontal	
2	5460.408	39.02	33.00	5.48	47.90	54	6.10	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

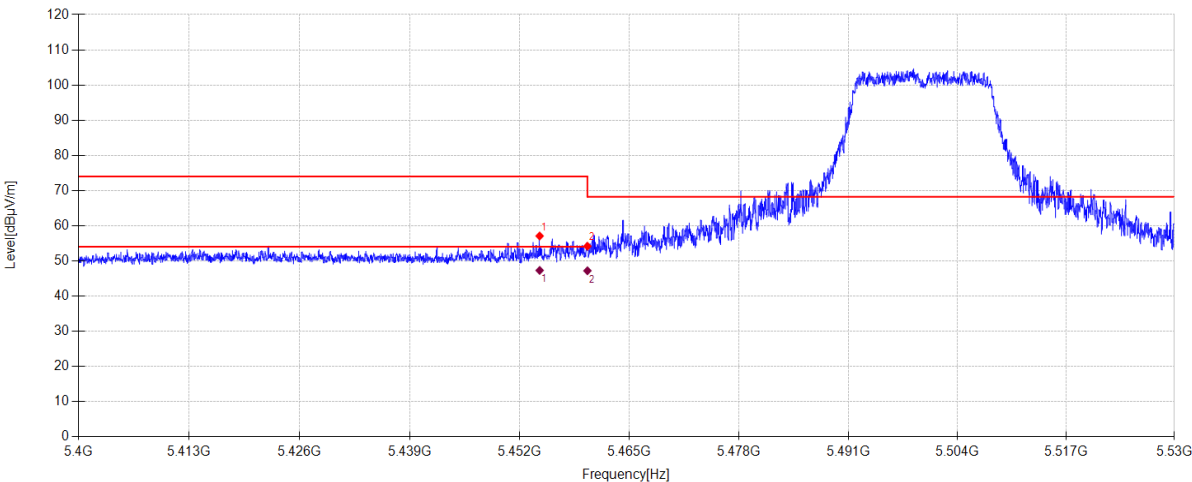
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Memo:

Sample Number: 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	5454.340	48.20	33.00	5.48	-29.60	57.08	74.00	16.92	PK	Vertical
2	5460.000	45.30	33.00	5.48	-29.60	54.18	68.20	14.02	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	5454.340	38.42	33.00	5.48	47.30	54	6.70	AV	Vertical	
2	5460.000	38.32	33.00	5.48	47.20	54	6.80	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

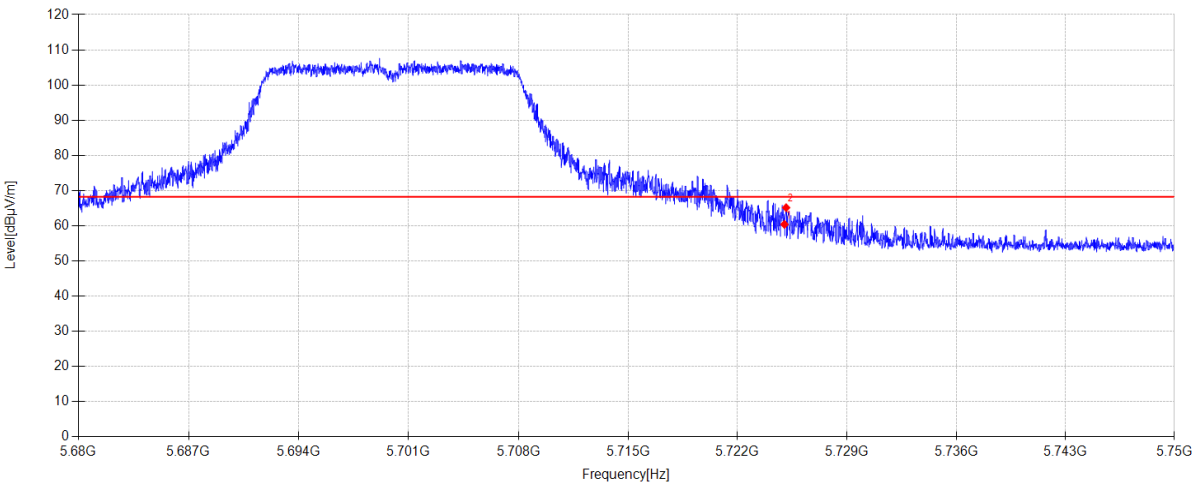
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Memo:

Sample Number: 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	50.58	33.75	5.66	-29.60	60.39	68.20	7.81	PK	Horizontal
2	5725.108	55.33	33.75	5.66	-29.60	65.14	68.20	3.06	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

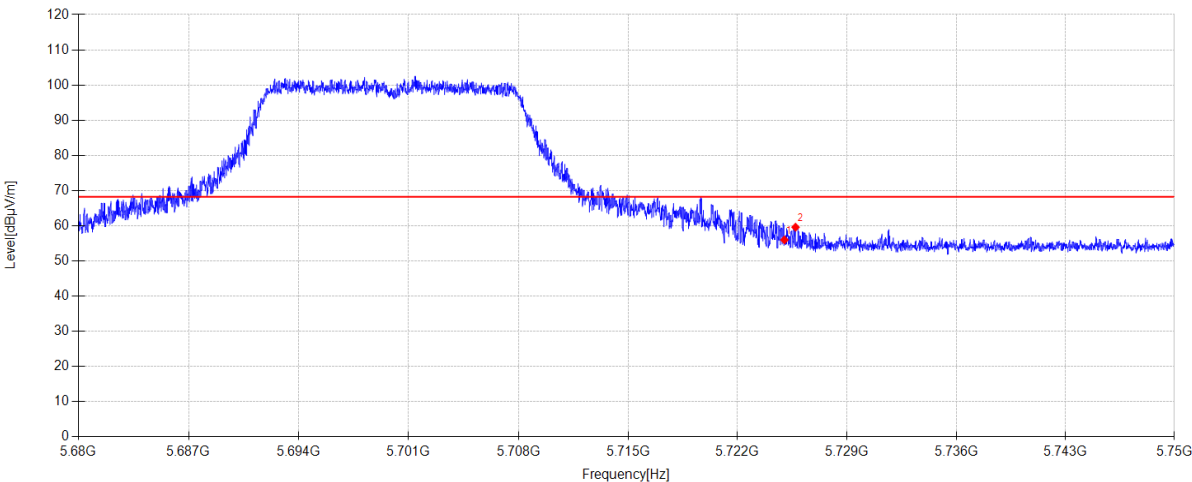
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Memo:

Sample Number: 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	46.16	33.75	5.66	-29.60	55.97	68.20	12.23	PK	Vertical
2	5725.710	49.77	33.75	5.66	-29.60	59.58	68.20	8.62	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

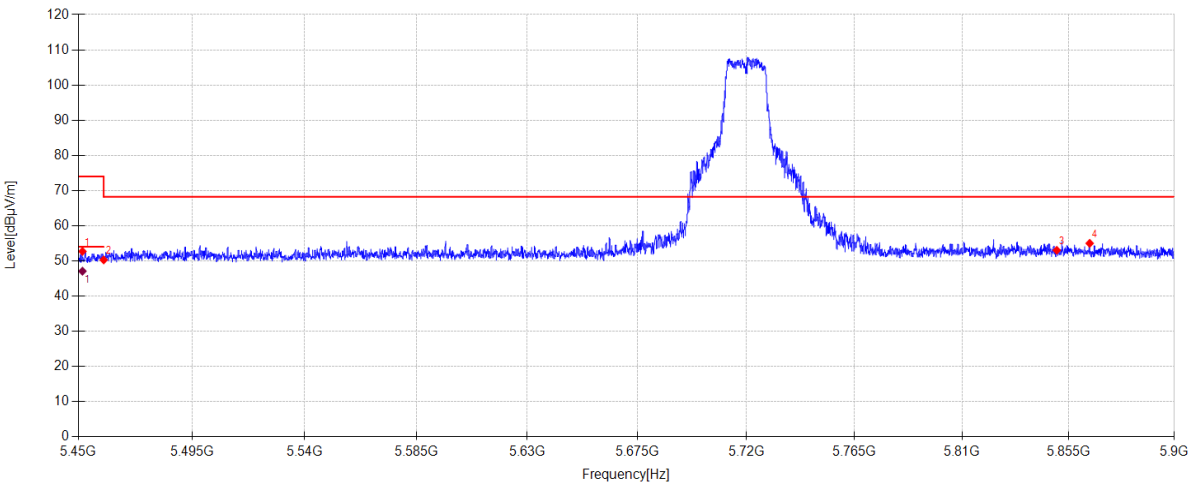
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Memo:

Sample Number: 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	5451.620	43.83	33.00	5.48	-29.60	52.71	74.00	21.29	PK	Horizontal
2	5460.000	41.40	33.00	5.48	-29.60	50.28	68.20	17.92	PK	Horizontal
3	5850.000	42.88	34.00	5.74	-29.60	53.02	68.20	15.18	PK	Horizontal
4	5863.955	44.82	34.03	5.75	-29.60	55.00	68.20	13.20	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	5451.620	38.19	33.00	5.48	47.07	54	6.93	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

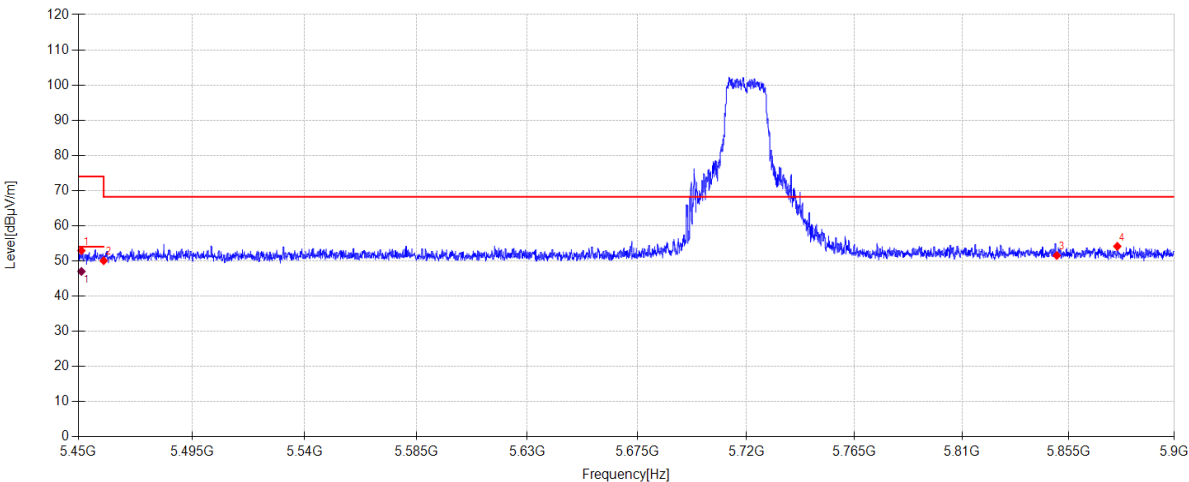
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Memo:

Sample Number: 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	5451.215	44.05	33.00	5.48	-29.60	52.93	74.00	21.07	PK	Vertical
2	5460.000	41.18	33.00	5.48	-29.60	50.06	68.20	18.14	PK	Vertical
3	5850.000	41.39	34.00	5.74	-29.60	51.53	68.20	16.67	PK	Vertical
4	5875.700	43.93	34.05	5.76	-29.60	54.14	68.20	14.06	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	5451.215	38.12	33.00	5.48	47.00	54	7.00	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:

2025-01-16

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

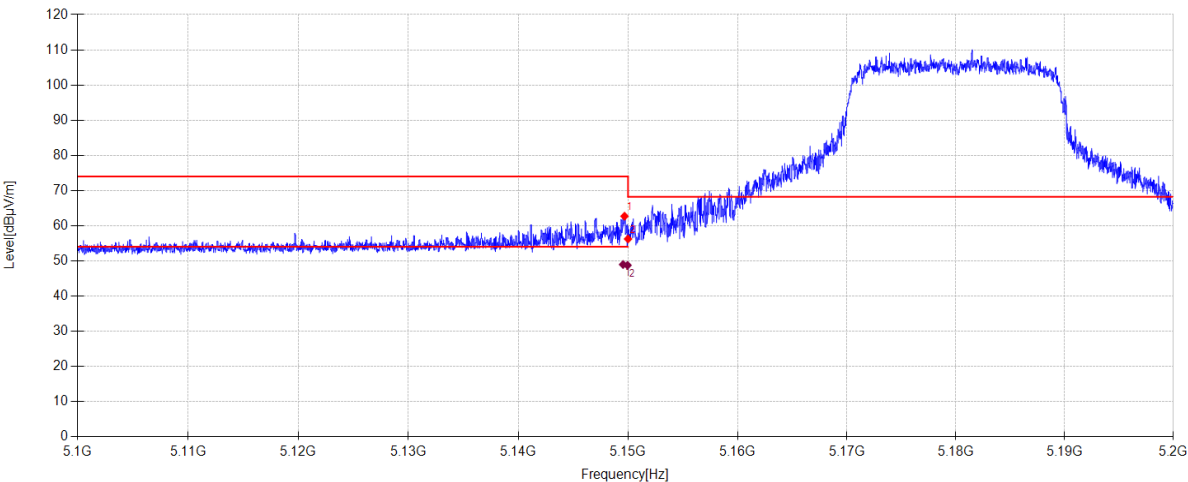
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Memo:

Sample Number: 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	5149.680	53.63	33.40	5.28	-29.60	62.71	74.00	11.29	PK	Horizontal
2	5150.000	47.16	33.40	5.28	-29.60	56.24	68.20	11.96	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	5149.550	39.90	33.40	5.28	48.98	54	5.02	AV	Horizontal	
2	5149.960	39.67	33.40	5.28	48.75	54	5.25	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:

2025-01-16

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

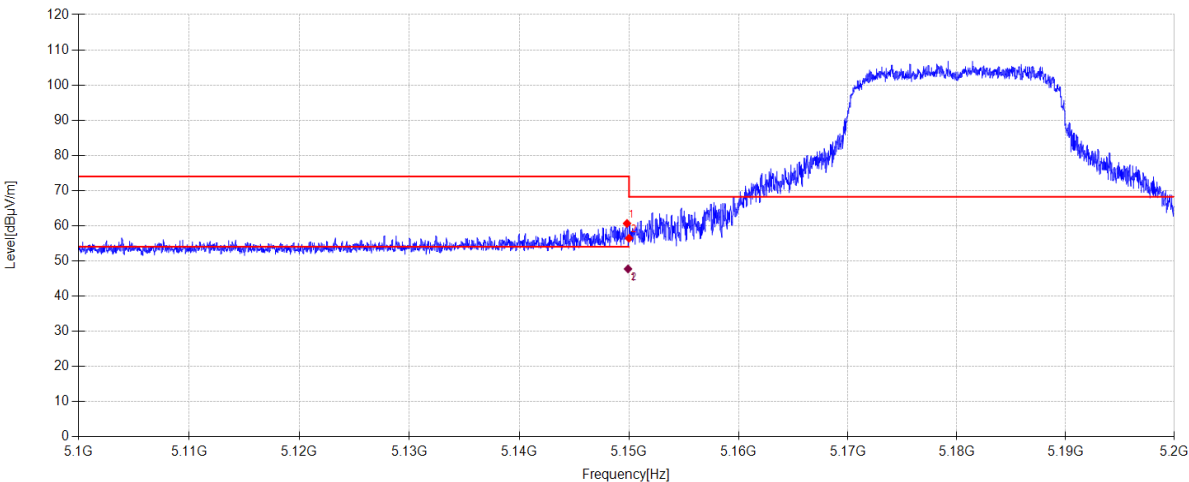
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Memo:

Sample Number: 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	5149.820	51.56	33.40	5.28	-29.60	60.64	74.00	13.36	PK	Vertical
2	5150.000	47.35	33.40	5.28	-29.60	56.43	68.20	11.77	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	5149.908	38.64	33.40	5.28	47.72	54	6.28	AV	Vertical
2	5150.000	38.85	33.40	5.28	47.93	54	6.07	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

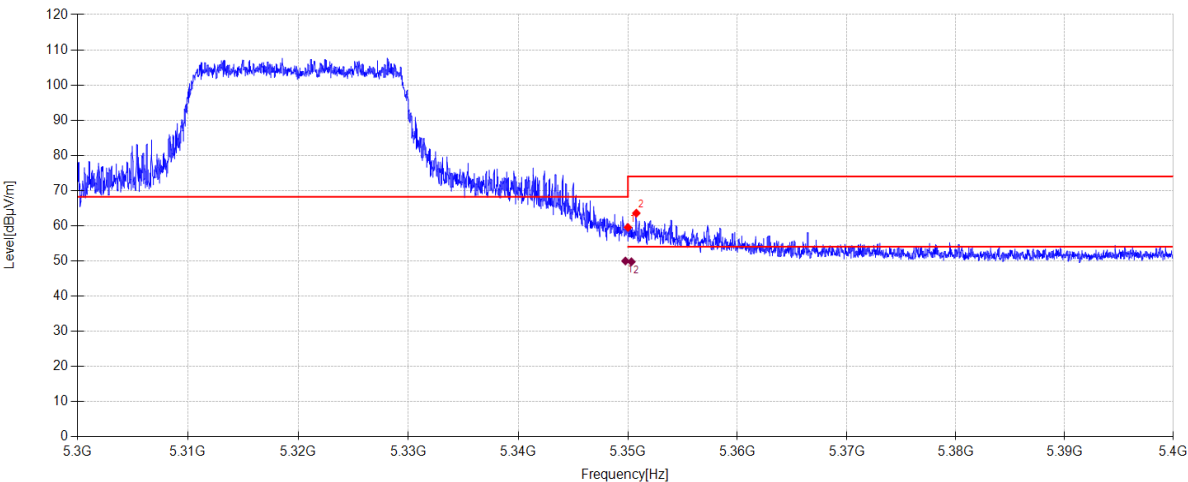
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Memo:

Sample Number: 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	50.61	33.10	5.41	-29.60	59.52	68.20	8.68	PK	Horizontal
2	5350.770	54.66	33.10	5.41	-29.60	63.57	74.00	10.43	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	5349.773	41.06	33.10	5.41	49.97	54	4.03	AV	Horizontal	
2	5350.321	40.84	33.10	5.41	49.75	54	4.25	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

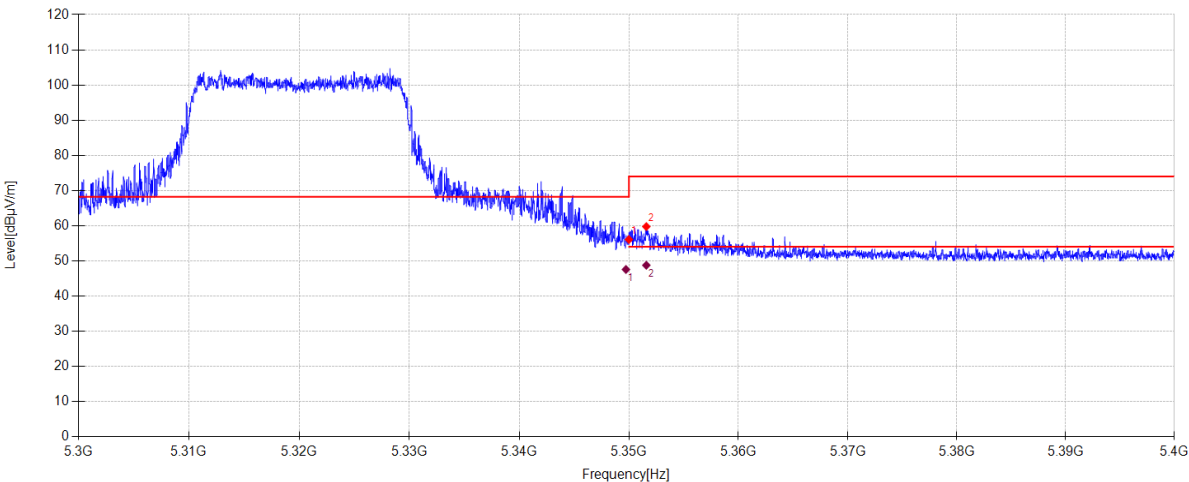
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Memo:

Sample Number: 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	47.17	33.10	5.41	-29.60	56.08	68.20	12.12	PK	Vertical
2	5351.590	50.84	33.10	5.41	-29.60	59.75	74.00	14.25	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	5349.731	38.66	33.10	5.41	47.57	54	6.43	AV	Vertical	
2	5351.590	39.85	33.10	5.41	48.76	54	5.24	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

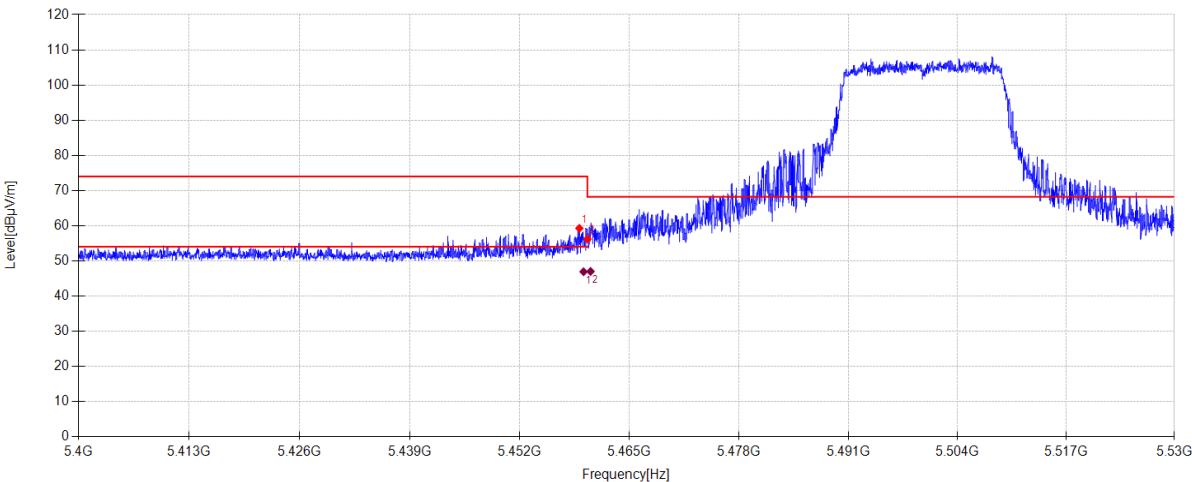
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Memo:

Sample Number: 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	5459.046	50.38	33.00	5.48	-29.60	59.26	74.00	14.74	PK	Horizontal
2	5460.000	47.35	33.00	5.48	-29.60	56.23	68.20	11.97	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	5459.542	38.04	33.00	5.48	46.92	54	7.08	AV	Horizontal
2	5460.370	38.13	33.00	5.48	47.01	54	6.99	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

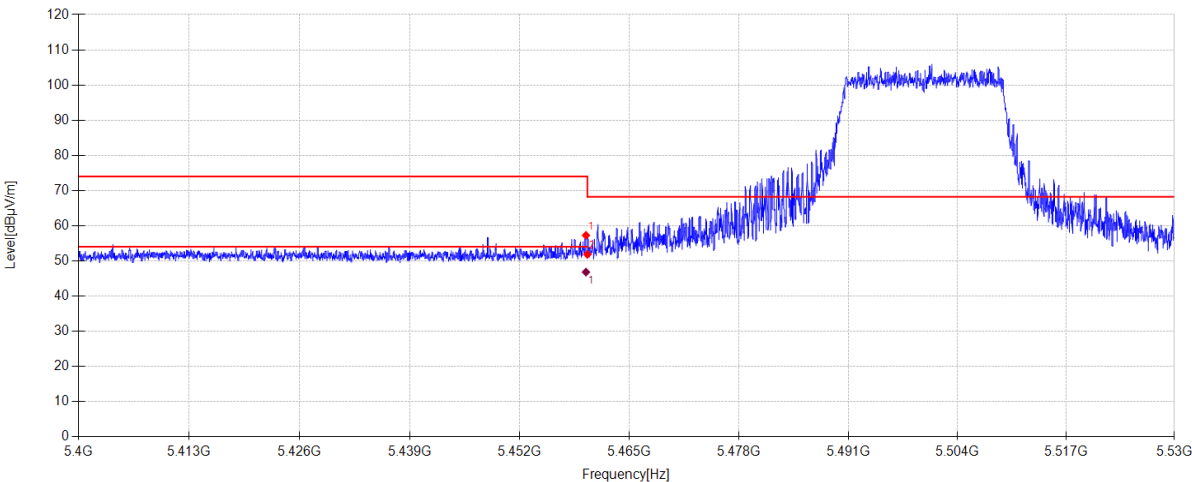
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Memo:

Sample Number: 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	5459.826	48.39	33.00	5.48	-29.60	57.27	74.00	16.73	PK	Vertical
2	5460.000	42.98	33.00	5.48	-29.60	51.86	68.20	16.34	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	5459.826	37.95	33.00	5.48	46.83	54	7.17	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

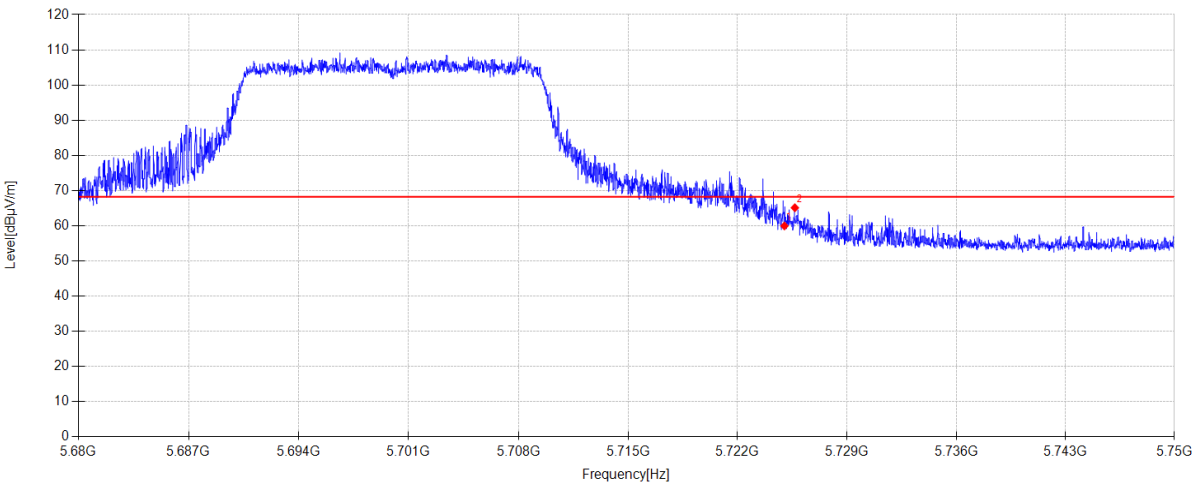
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Memo:

Sample Number: 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	50.14	33.75	5.66	-29.60	59.95	68.20	8.25	PK	Horizontal
2	5725.668	55.30	33.75	5.66	-29.60	65.11	68.20	3.09	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

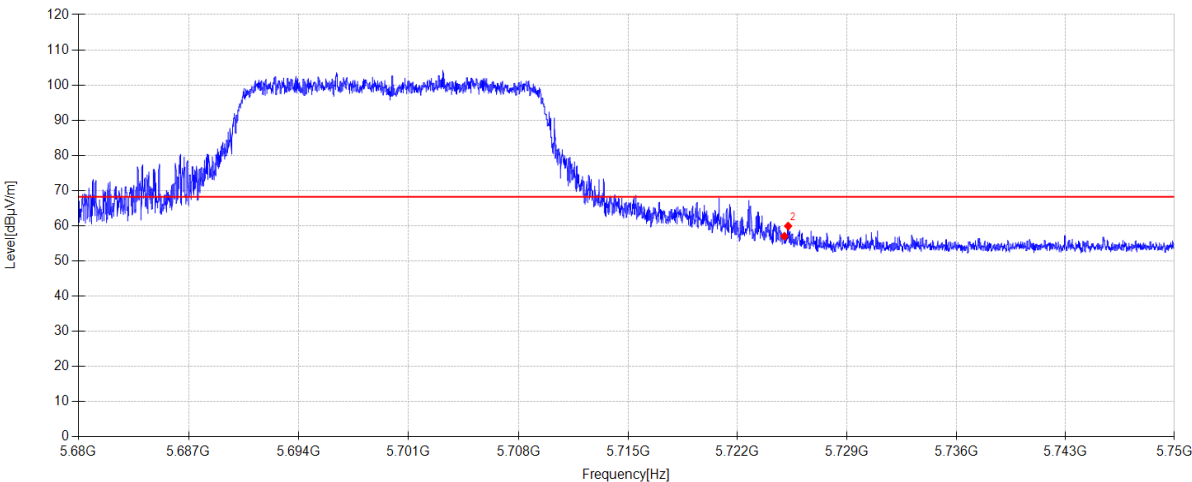
File Path:

d:\ts\2024 report data\BAR 1300\0116 5G SRD\23

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	47.20	33.75	5.66	-29.60	57.01	68.20	11.19	PK	Vertical
2	5725.234	50.09	33.75	5.66	-29.60	59.90	68.20	8.30	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

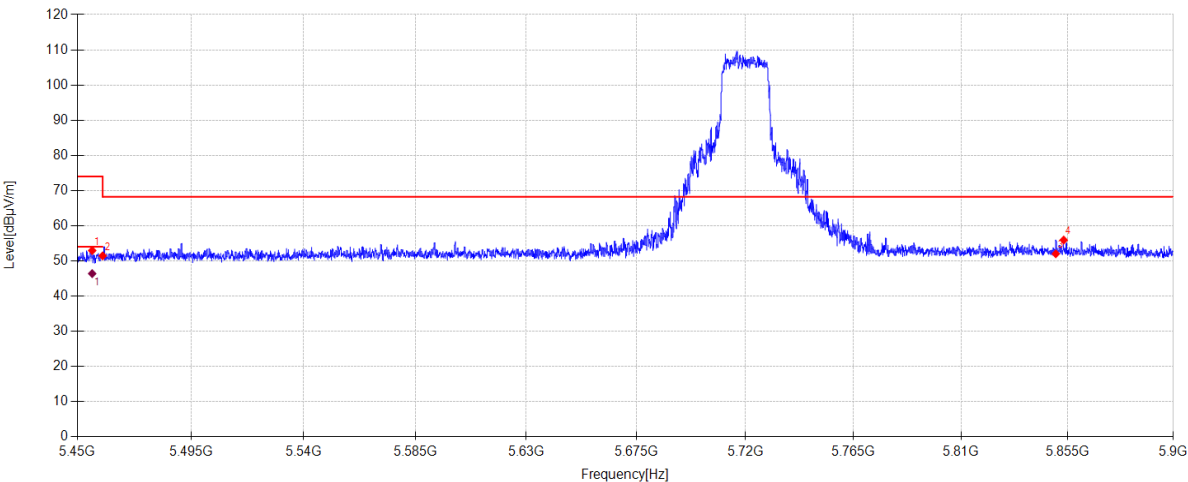
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d:\ts\2024 report data\BAR 1300\0116 5G SRD\24

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	5455.850	44.06	33.00	5.48	-29.60	52.94	74.00	21.06	PK	Horizontal
2	5460.000	42.56	33.00	5.48	-29.60	51.44	68.20	16.76	PK	Horizontal
3	5850.000	41.88	34.00	5.74	-29.60	52.02	68.20	16.18	PK	Horizontal
4	5853.380	45.78	34.01	5.74	-29.60	55.93	68.20	12.27	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	5455.850	37.51	33.00	5.48	46.39	54	7.61	AV	Horizontal

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

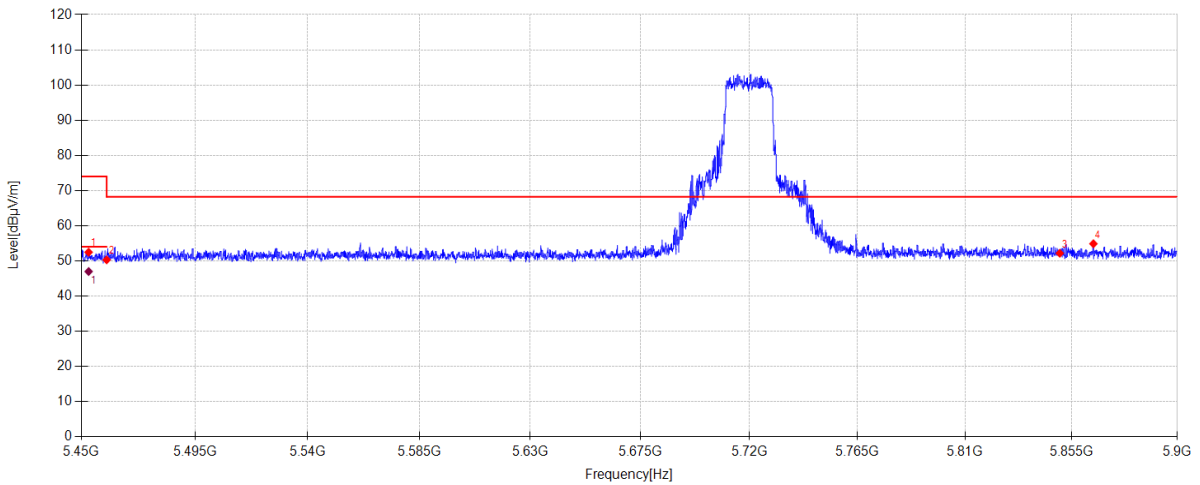
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-17 **Tested By:** Lin Guoyuan
EUT: Multi-Channel Soundbar with wireless subwoofer **Model Number:** BAR 1300XMK2
Test Mode: 11AX20 5720 MHz TX **Power Supply:** AC 120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\BAR 1300\0116 5G SRD\25
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	5452.880	43.59	33.00	5.48	-29.60	52.47	74.00	21.53	PK	Vertical
2	5460.000	41.42	33.00	5.48	-29.60	50.30	68.20	17.90	PK	Vertical
3	5850.000	42.02	34.00	5.74	-29.60	52.16	68.20	16.04	PK	Vertical
4	5864.270	44.69	34.03	5.75	-29.60	54.87	68.20	13.33	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	5452.880	38.10	33.00	5.48	46.98	54	7.02	AV	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

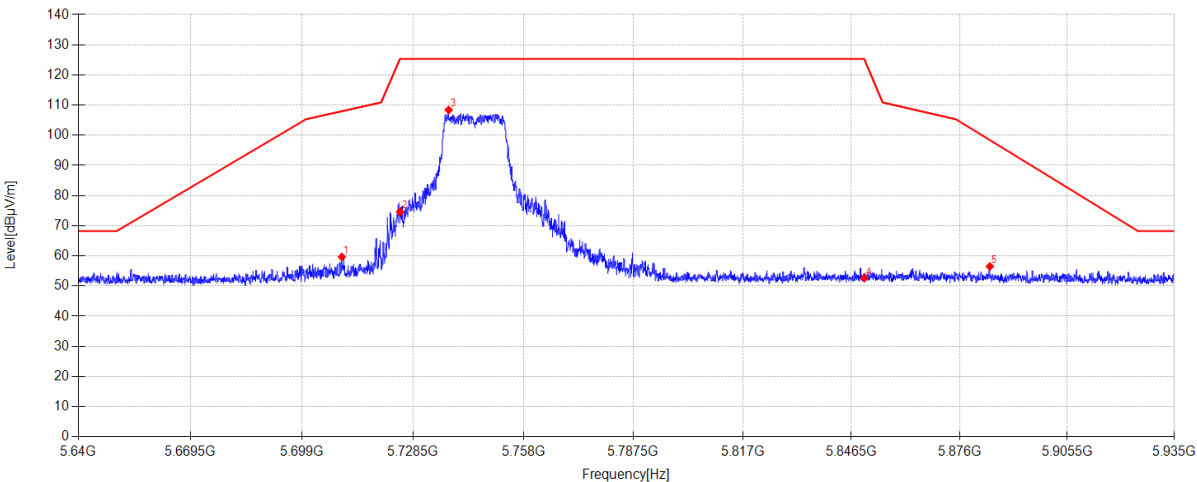
File Path:

d:\ts\2024 report data\BAR 1300\0116 5G SRD\36

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	5709.561	49.94	33.66	5.65	-29.60	59.65	107.98	48.33	PK	Horizontal
2	5725.000	64.79	33.75	5.66	-29.60	74.60	125.30	50.70	PK	Horizontal
3	5737.999	98.50	33.83	5.67	-29.60	108.40	125.30	16.90	PK	Horizontal
4	5850.000	42.48	34.00	5.74	-29.60	52.62	125.30	72.68	PK	Horizontal
5	5884.290	46.26	34.07	5.76	-29.60	56.49	98.41	41.92	PK	Horizontal

Note:

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

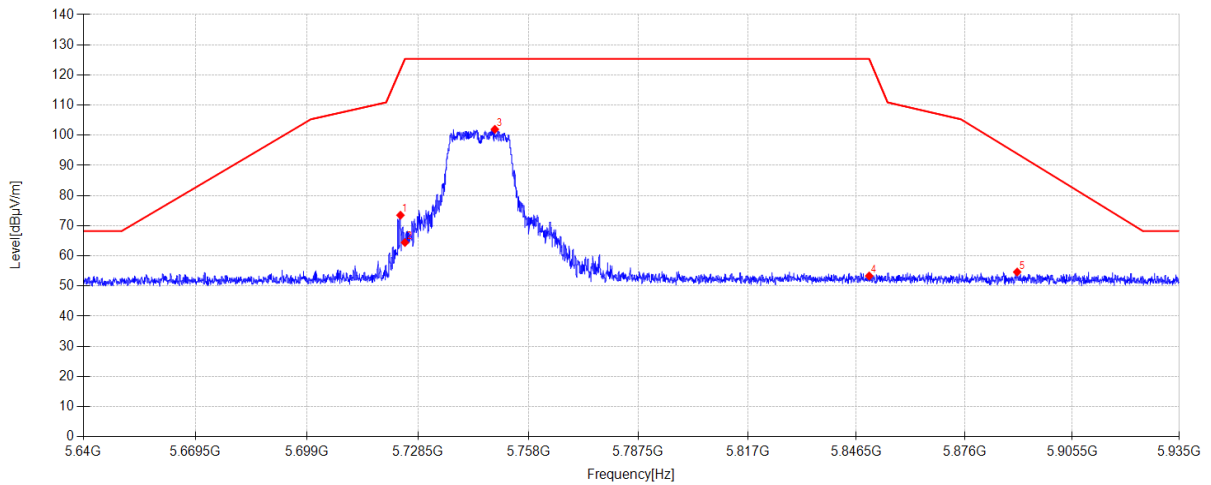
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-17 **Tested By:** Lin Guoyuan
EUT: Multi-Channel Soundbar with wireless subwoofer **Model Number:** BAR 1300XMK2
Test Mode: 11A 5745 MHz TX **Power Supply:** AC 120V/60Hz
Condition: Temp:24.5°C;Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\BAR 1300\0116 5G SRD\37
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	5723.810	63.68	33.74	5.66	-29.60	73.48	121.87	48.39	PK	Vertical
2	5725.000	54.63	33.75	5.66	-29.60	64.44	125.30	60.86	PK	Vertical
3	5749.003	92.00	33.89	5.67	-29.60	101.96	125.30	23.34	PK	Vertical
4	5850.000	43.19	34.00	5.74	-29.60	53.33	125.30	71.97	PK	Vertical
5	5890.396	44.40	34.08	5.77	-29.60	54.65	93.88	39.23	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

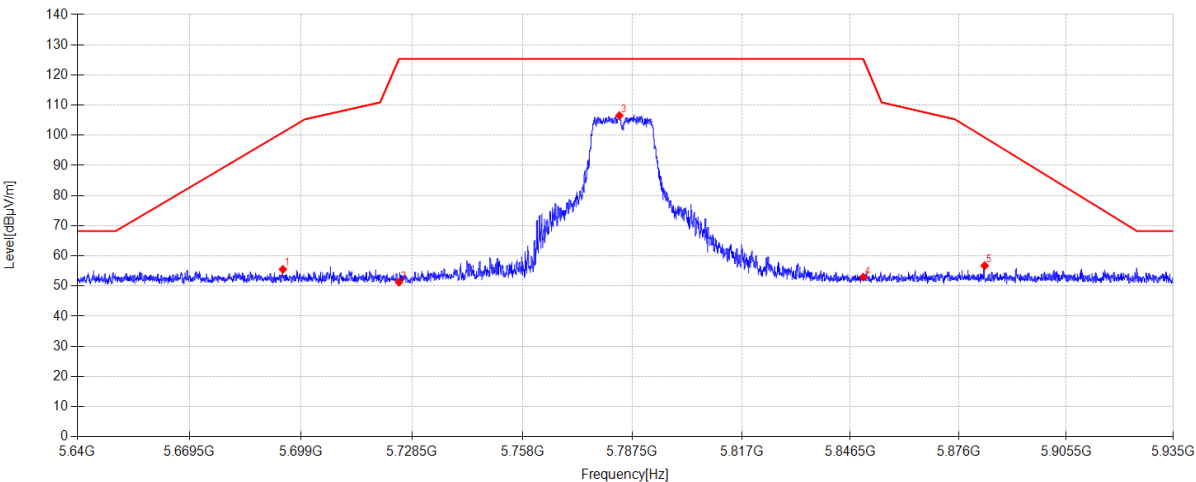
File Path:

d:\ts\2024 report data\BAR 1300\0116 5G SRD\34

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	5694.192	45.91	33.58	5.64	-29.60	55.53	100.99	45.46	PK	Horizontal
2	5725.000	41.43	33.75	5.66	-29.60	51.24	125.30	74.06	PK	Horizontal
3	5784.019	96.32	34.10	5.70	-29.60	106.52	125.30	18.78	PK	Horizontal
4	5850.000	42.81	34.00	5.74	-29.60	52.95	125.30	72.35	PK	Horizontal
5	5883.139	46.52	34.07	5.76	-29.60	56.75	99.26	42.51	PK	Horizontal

Note:

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

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

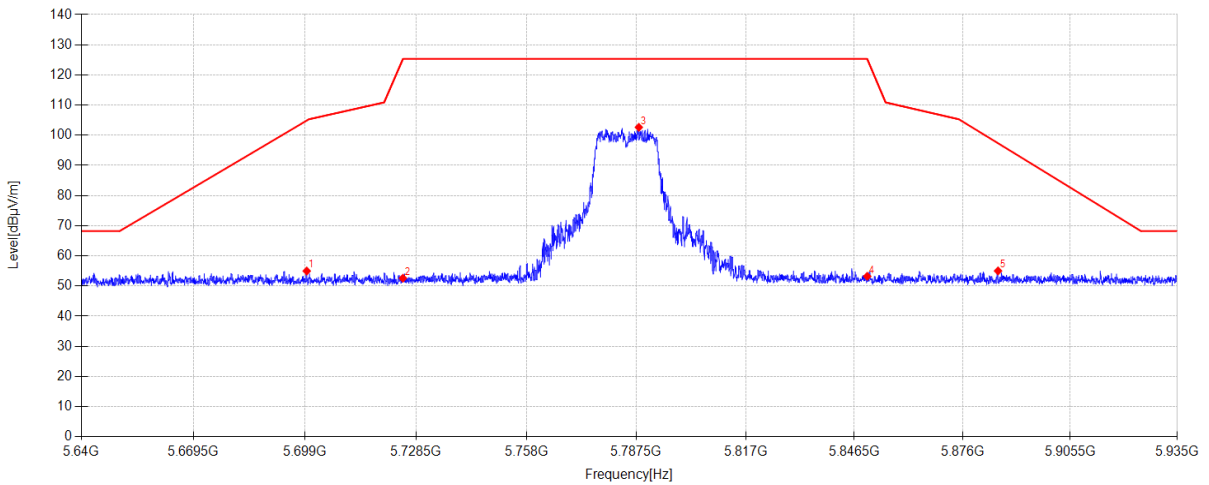
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-17
EUT: Multi-Channel Soundbar with wireless subwoofer
Test Mode: 11A 5785 MHz TX
Condition: Temp:24.5°C;Humi:47.4%
File Path: d:\ts\2024 report data\BAR 1300\0116 5G SRD\35
Memo: Sample Number: S24111520-010

Tested By: Lin Guoyuan
Model Number: BAR 1300XMK2
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

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	5699.443	45.34	33.60	5.64	-29.60	54.98	104.89	49.91	PK	Vertical
2	5725.000	42.78	33.75	5.66	-29.60	52.59	125.30	72.71	PK	Vertical
3	5788.179	92.41	34.13	5.70	-29.60	102.64	125.30	22.66	PK	Vertical
4	5850.000	43.09	34.00	5.74	-29.60	53.23	125.30	72.07	PK	Vertical
5	5885.706	44.79	34.07	5.76	-29.60	55.02	97.36	42.34	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

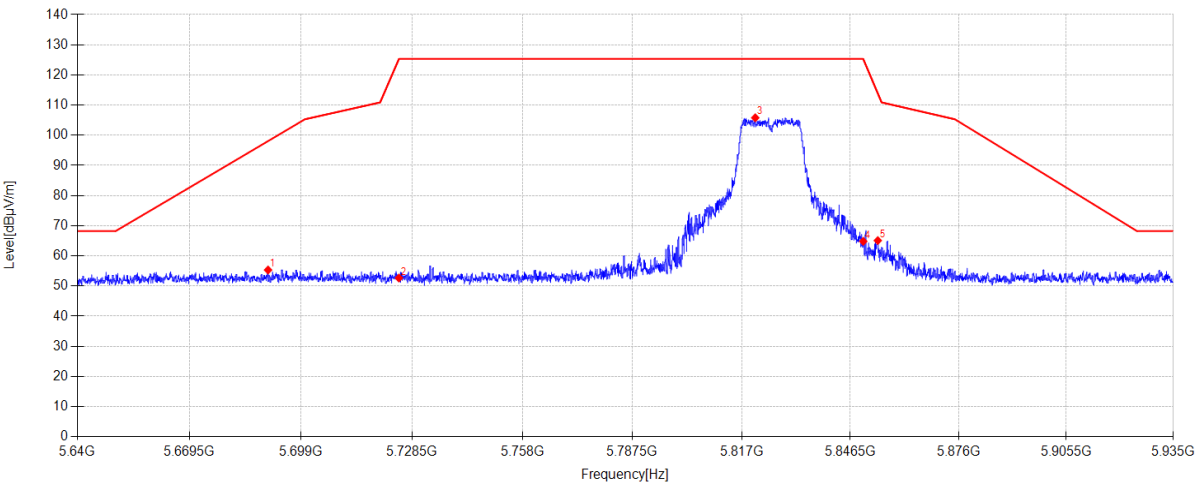
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Memo:

Sample Number: 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	5690.268	45.72	33.56	5.64	-29.60	55.32	98.08	42.76	PK	Horizontal
2	5725.000	42.85	33.75	5.66	-29.60	52.66	125.30	72.64	PK	Horizontal
3	5820.688	95.57	34.12	5.72	-29.60	105.81	125.30	19.49	PK	Horizontal
4	5850.000	54.68	34.00	5.74	-29.60	64.82	125.30	60.48	PK	Horizontal
5	5853.964	54.94	34.01	5.74	-29.60	65.09	113.89	48.80	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11A 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

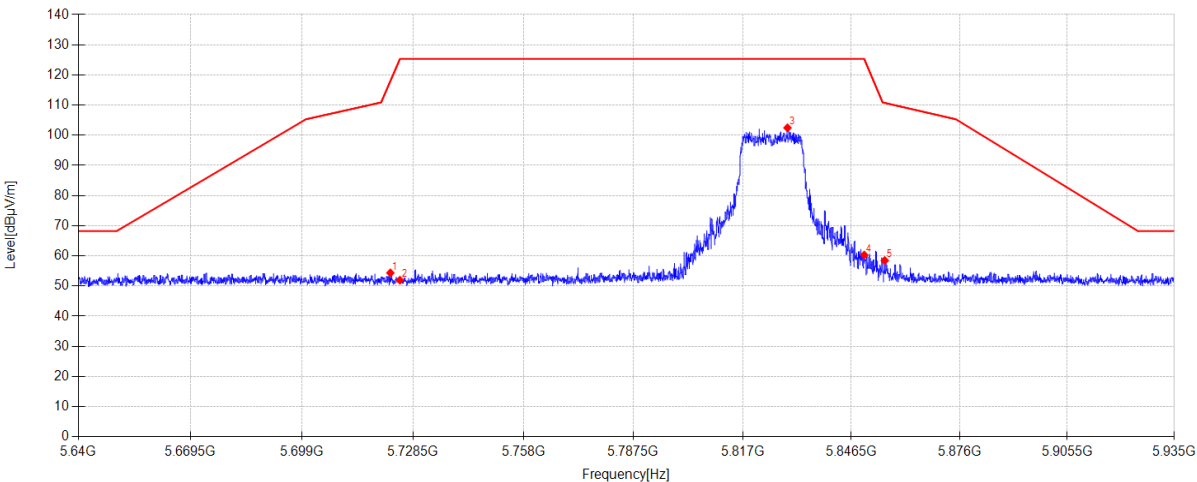
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Memo:

Sample Number: 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	5722.453	44.57	33.73	5.66	-29.60	54.36	117.96	63.60	PK	Vertical
2	5725.000	42.13	33.75	5.66	-29.60	51.94	125.30	73.36	PK	Vertical
3	5829.154	92.26	34.08	5.73	-29.60	102.47	125.30	22.83	PK	Vertical
4	5850.000	50.14	34.00	5.74	-29.60	60.28	125.30	65.02	PK	Vertical
5	5855.586	48.31	34.01	5.74	-29.60	58.46	110.74	52.28	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

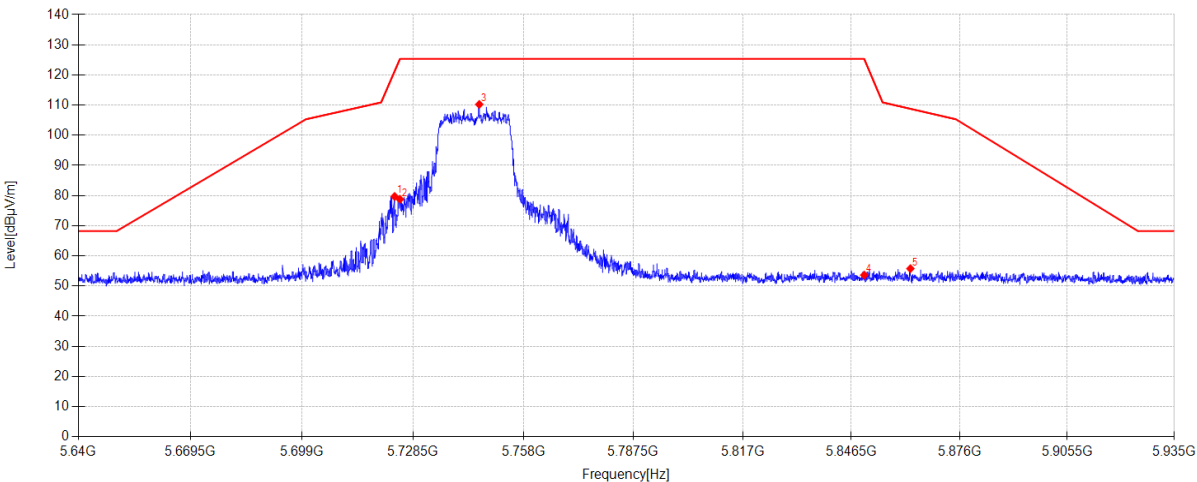
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Memo:

Sample Number: 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	5723.603	69.90	33.74	5.66	-29.60	79.70	121.28	41.58	PK	Horizontal
2	5725.000	68.98	33.75	5.66	-29.60	78.79	125.30	46.51	PK	Horizontal
3	5746.171	100.28	33.88	5.67	-29.60	110.23	125.30	15.07	PK	Horizontal
4	5850.000	43.50	34.00	5.74	-29.60	53.64	125.30	71.66	PK	Horizontal
5	5862.578	45.59	34.03	5.75	-29.60	55.77	108.78	53.01	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

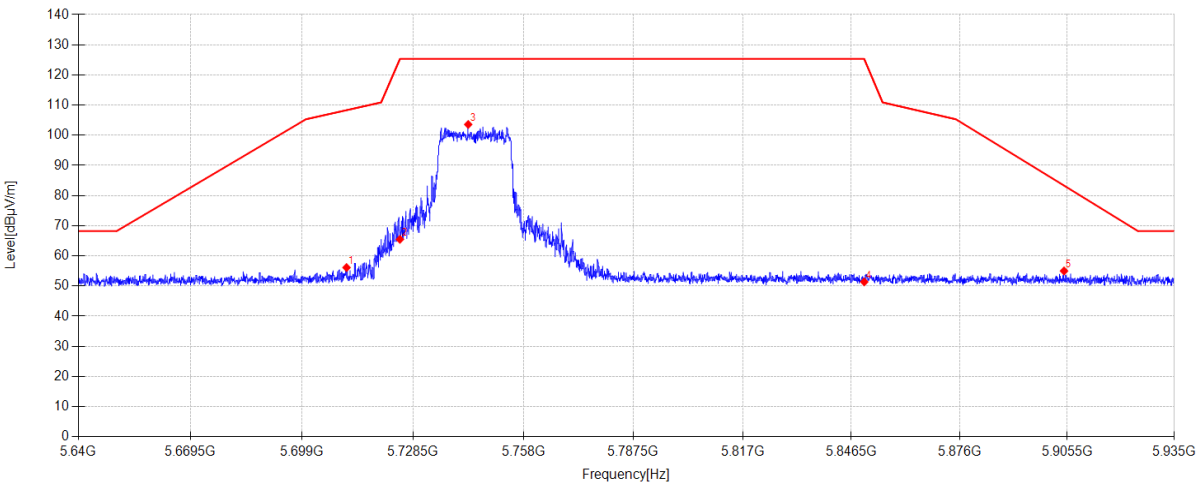
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Memo:

Sample Number: 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	5710.800	46.42	33.66	5.65	-29.60	56.13	108.32	52.19	PK	Vertical
2	5725.000	55.68	33.75	5.66	-29.60	65.49	125.30	59.81	PK	Vertical
3	5743.221	93.66	33.86	5.67	-29.60	103.59	125.30	21.71	PK	Vertical
4	5850.000	41.25	34.00	5.74	-29.60	51.39	125.30	73.91	PK	Vertical
5	5904.615	44.71	34.11	5.78	-29.60	55.00	83.33	28.33	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

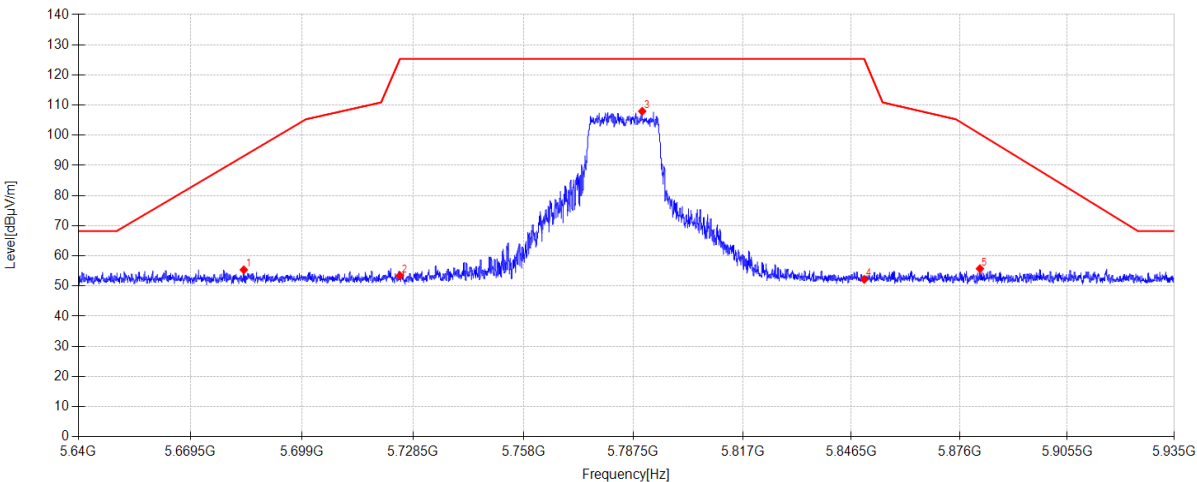
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d:\ts\2024 report data\BAR 1300\0116 5G SRD\28

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	5683.572	45.82	33.53	5.63	-29.60	55.38	93.11	37.73	PK	Horizontal
2	5725.000	43.65	33.75	5.66	-29.60	53.46	125.30	71.84	PK	Horizontal
3	5789.890	97.72	34.14	5.70	-29.60	107.96	125.30	17.34	PK	Horizontal
4	5850.000	42.07	34.00	5.74	-29.60	52.21	125.30	73.09	PK	Horizontal
5	5881.576	45.53	34.06	5.76	-29.60	55.75	100.42	44.67	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

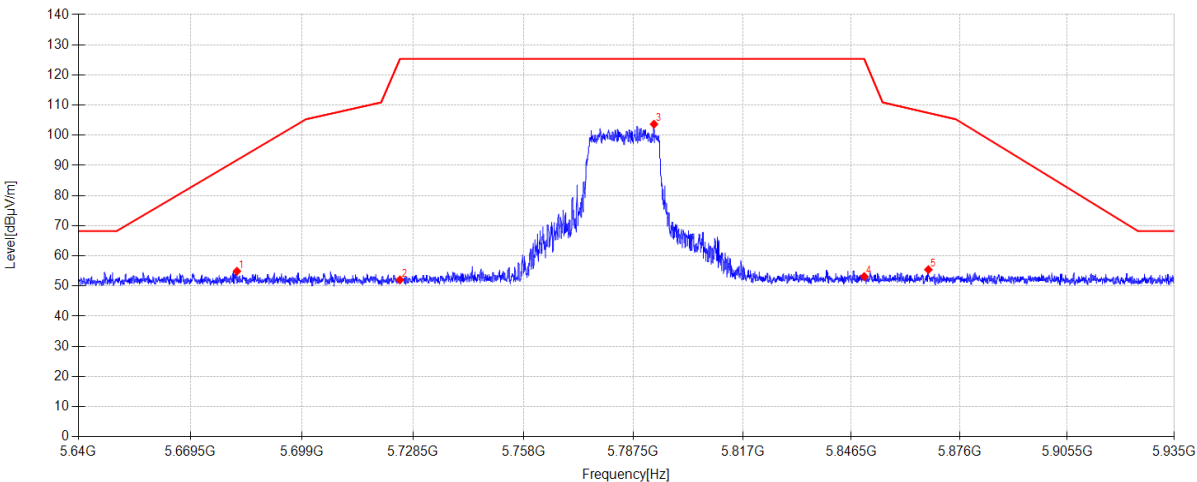
File Path:

d:\ts\2024 report data\BAR 1300\0116 5G SRD\29

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	5681.772	45.35	33.53	5.63	-29.60	54.91	91.77	36.86	PK	Vertical
2	5725.000	42.24	33.75	5.66	-29.60	52.05	125.30	73.25	PK	Vertical
3	5793.076	93.41	34.16	5.70	-29.60	103.67	125.30	21.63	PK	Vertical
4	5850.000	43.03	34.00	5.74	-29.60	53.17	125.30	72.13	PK	Vertical
5	5867.475	45.26	34.03	5.75	-29.60	55.44	107.41	51.97	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:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

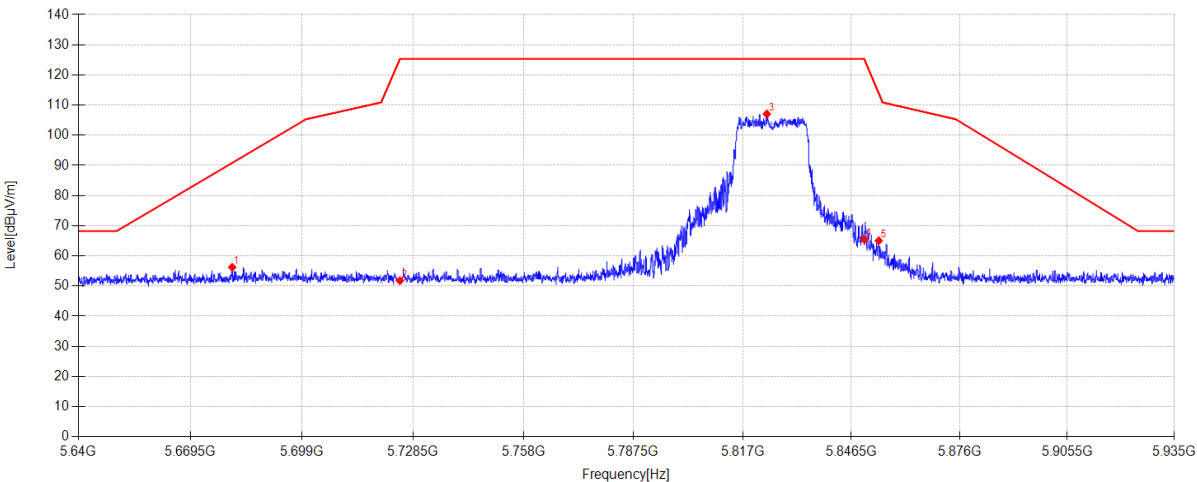
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Memo:

Sample Number: 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	5680.504	46.67	33.52	5.63	-29.60	56.22	90.83	34.61	PK	Horizontal
2	5725.000	41.96	33.75	5.66	-29.60	51.77	125.30	73.53	PK	Horizontal
3	5823.549	96.84	34.11	5.72	-29.60	107.07	125.30	18.23	PK	Horizontal
4	5850.000	55.33	34.00	5.74	-29.60	65.47	125.30	59.83	PK	Horizontal
5	5853.964	54.90	34.01	5.74	-29.60	65.05	113.89	48.84	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-17

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300XMK2

Test Mode:

11AX20 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

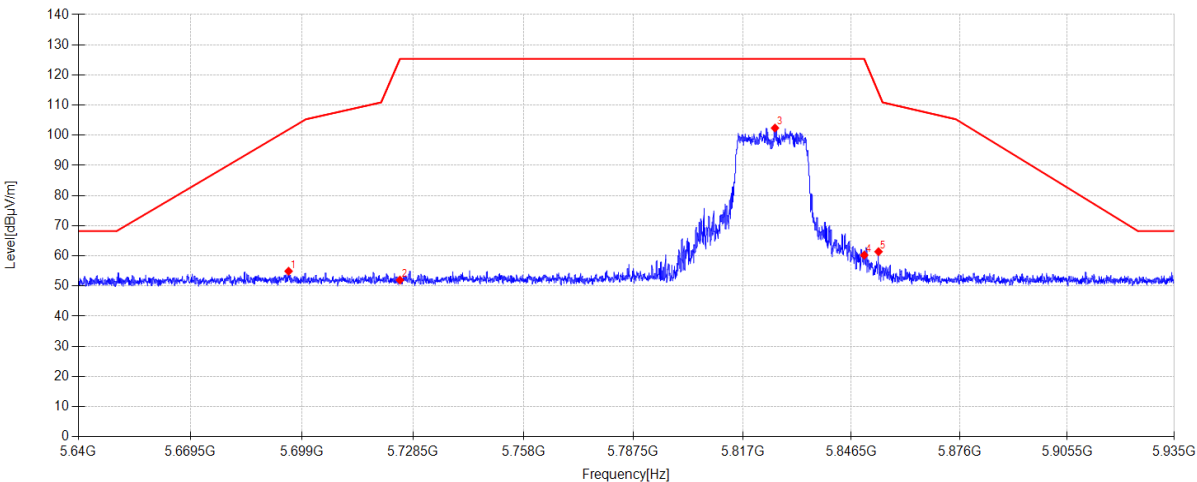
File Path:

d:\ts\2024 report data\BAR 1300\0116 5G SRD\31

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	5695.431	45.29	33.58	5.64	-29.60	54.91	101.91	47.00	PK	Vertical
2	5725.000	42.17	33.75	5.66	-29.60	51.98	125.30	73.32	PK	Vertical
3	5825.762	92.17	34.10	5.73	-29.60	102.40	125.30	22.90	PK	Vertical
4	5850.000	50.11	34.00	5.74	-29.60	60.25	125.30	65.05	PK	Vertical
5	5853.905	51.24	34.01	5.74	-29.60	61.39	114.06	52.67	PK	Vertical

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

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

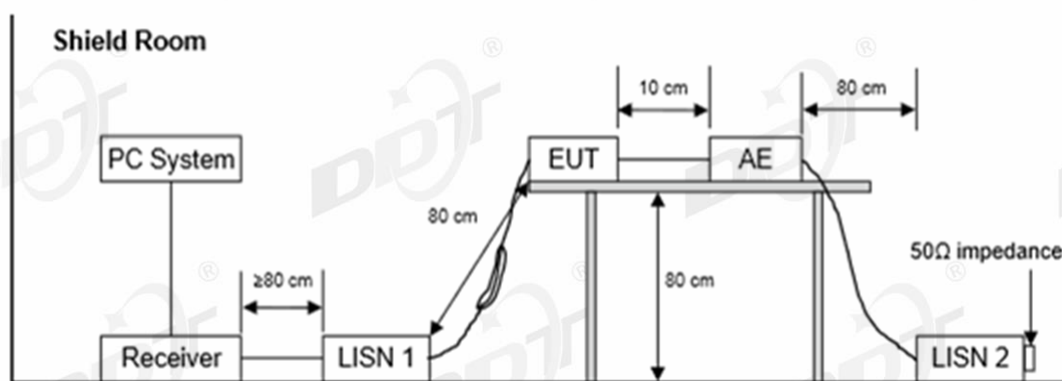
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Receiver	R&S	ESCI	DDT-ZC01972	2025/03/31
Two Line V-Network	R&S	ENV216	DDT-ZC00586	2025/07/08
Copper shaft signal cable	H&S	RG214-5	DDT-ZC01817	2025/03/31
Conducted Radiated Software	Audix	E3	DDT-ZC00562	/
Pulse Limiter	R&S	KH43101	DDT-ZC00747	2025/04/22
Two Line V-Network	R&S	ENV216	DDT-ZC02058	2025/07/08

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.4. Assistant equipment used for test

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

14.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: “----” means Peak detection; “----” means Average detection.

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

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2025 report data\Q24111520-1E\0217 CE.EM6

Test Date : 2025-02-17

Tested By : Gen Liu

EUT : Multi-Channel Soundbar with wireless subwoofer

Model Number : BAR 1300XMK2

Power Supply : AC 120V/60Hz

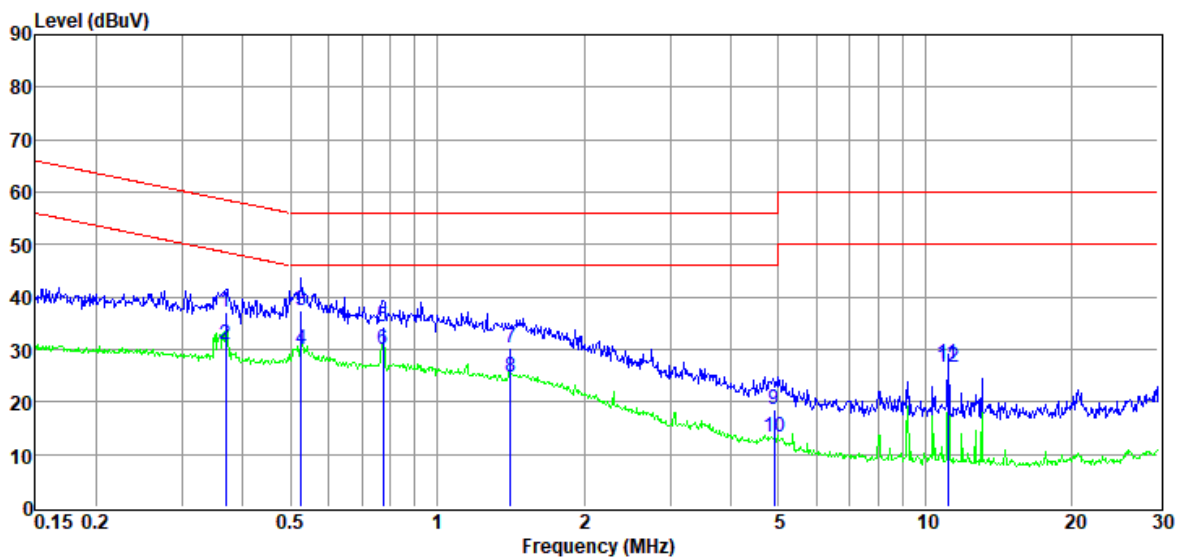
Test Mode : Tx mode

Condition : Temp:21.7°C,Humi:56.8%

LISN : 2023 ENV216 2#/NEUTRAL

Memo : Sample Number: S24111520-010

Data: 22



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.37	17.04	10.04	0.09	10.07	37.24	58.52	-21.28	QP	NEUTRAL
2	0.37	10.64	10.04	0.09	10.07	30.84	48.52	-17.68	Average	NEUTRAL
3	0.53	17.33	9.98	0.10	10.07	37.48	56.00	-18.52	QP	NEUTRAL
4	0.53	9.70	9.98	0.10	10.07	29.85	46.00	-16.15	Average	NEUTRAL
5	0.78	14.26	9.97	0.10	10.06	34.39	56.00	-21.61	QP	NEUTRAL
6	0.78	9.90	9.97	0.10	10.06	30.03	46.00	-15.97	Average	NEUTRAL
7	1.41	10.01	9.97	0.13	10.05	30.16	56.00	-25.84	QP	NEUTRAL
8	1.41	4.64	9.97	0.13	10.05	24.79	46.00	-21.21	Average	NEUTRAL
9	4.90	-1.61	9.98	0.19	10.06	18.62	56.00	-37.38	QP	NEUTRAL
10	4.90	-6.88	9.98	0.19	10.06	13.35	46.00	-32.65	Average	NEUTRAL
11	11.14	6.79	10.04	0.25	10.06	27.14	60.00	-32.86	QP	NEUTRAL
12	11.14	6.34	10.04	0.25	10.06	26.69	50.00	-23.31	Average	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

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

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2025 report data\Q24111520-1E\0217 CE.EM6

Test Date : 2025-02-17

Tested By : Gen Liu

EUT : Multi-Channel Soundbar with wireless subwoofer

Model Number : BAR 1300XMK2

Power Supply : AC 120V/60Hz

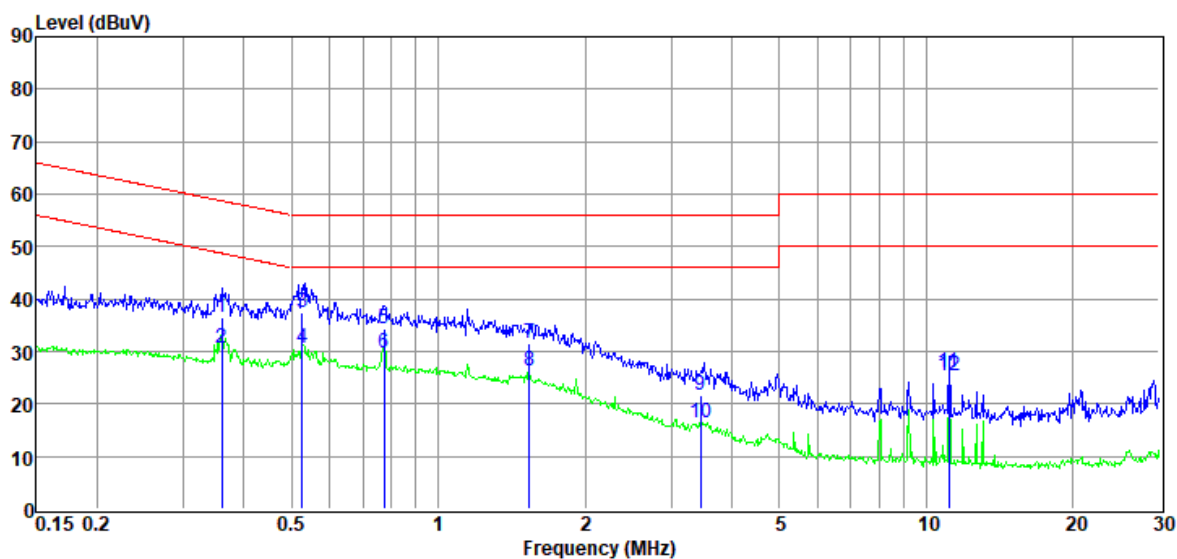
Test Mode : Tx mode

Condition : Temp:21.7°C,Humi:56.8%

LISN : 2023 ENV216 2#/LINE

Memo : Sample Number: S24111520-010

Data: 24



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)		
1	0.36	16.46	9.91	0.09	10.07	36.53	58.74	-22.21	QP	LINE
2	0.36	10.41	9.91	0.09	10.07	30.48	48.74	-18.26	Average	LINE
3	0.53	17.18	9.97	0.10	10.07	37.32	56.00	-18.68	QP	LINE
4	0.53	10.38	9.97	0.10	10.07	30.52	46.00	-15.48	Average	LINE
5	0.78	14.28	9.97	0.10	10.06	34.41	56.00	-21.59	QP	LINE
6	0.78	9.59	9.97	0.10	10.06	29.72	46.00	-16.28	Average	LINE
7	1.54	11.37	9.98	0.13	10.06	31.54	56.00	-24.46	QP	LINE
8	1.54	6.27	9.98	0.13	10.06	26.44	46.00	-19.56	Average	LINE
9	3.45	1.59	9.96	0.17	10.06	21.78	56.00	-34.22	QP	LINE
10	3.45	-3.72	9.96	0.17	10.06	16.47	46.00	-29.53	Average	LINE
11	11.14	5.64	10.03	0.25	10.06	25.98	60.00	-34.02	QP	LINE
12	11.14	4.99	10.03	0.25	10.06	25.33	50.00	-24.67	Average	LINE

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

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

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

16. Photos of the EUT

Please refer to DDT-Q24111520-2E appendix I

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