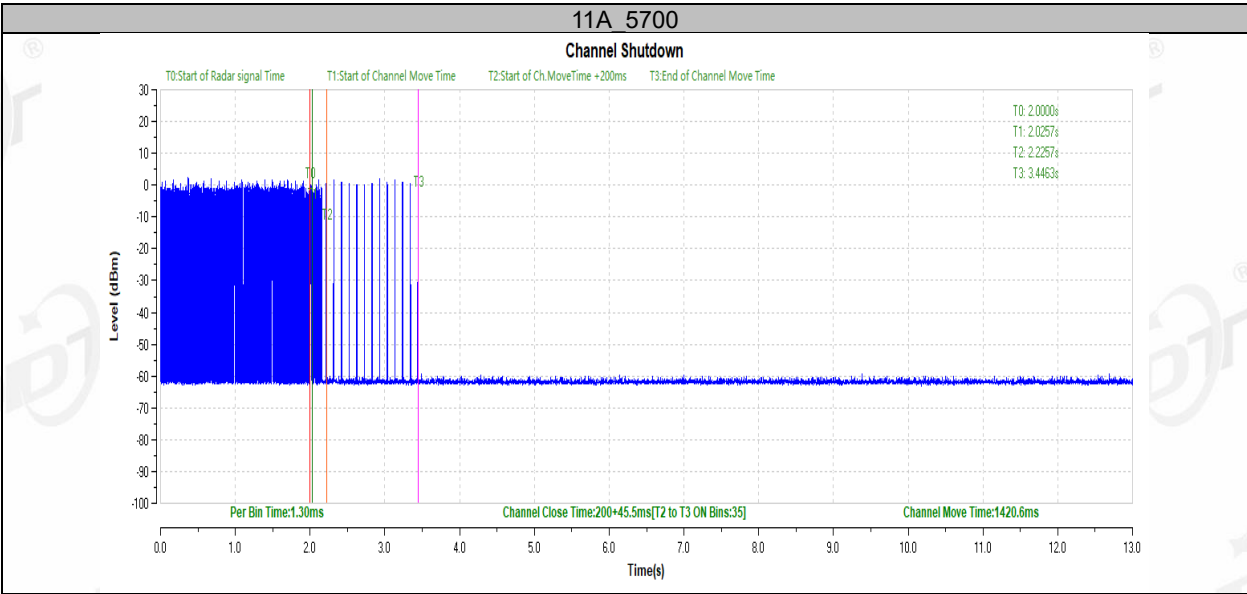


11.7. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	24.5℃,28.7%RH	Test Date:	2024.12.04-2025.02.27
Test Power Supply:	AC 120V/60Hz	Sample Number:	S24111520-011

Test Mode	Frequency [MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11A	5700	200+45.5	200+60	1420.6	10000	PASS

Test plots as follows:



12. Antenna Requirements

12.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

12.2. Result

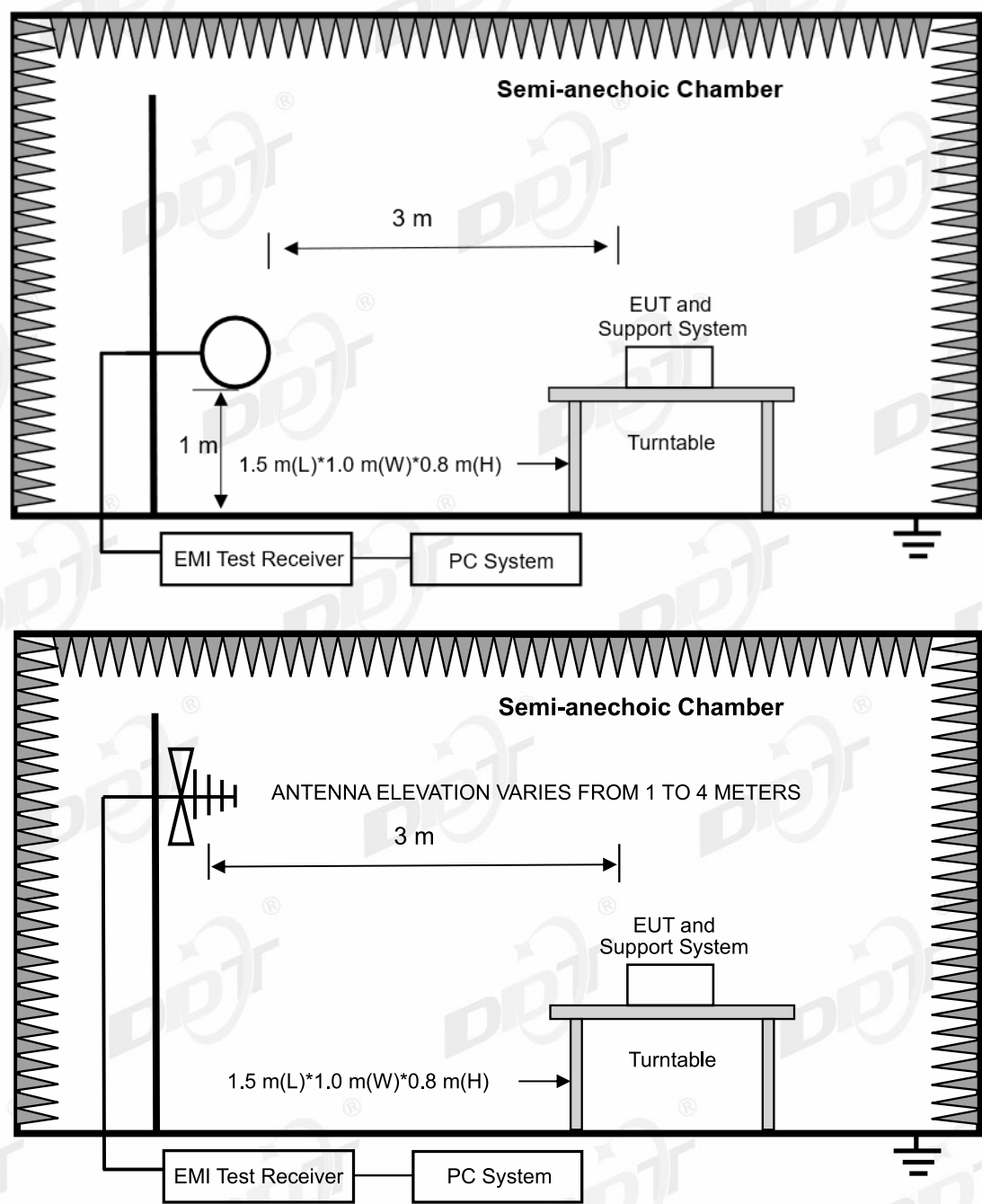
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

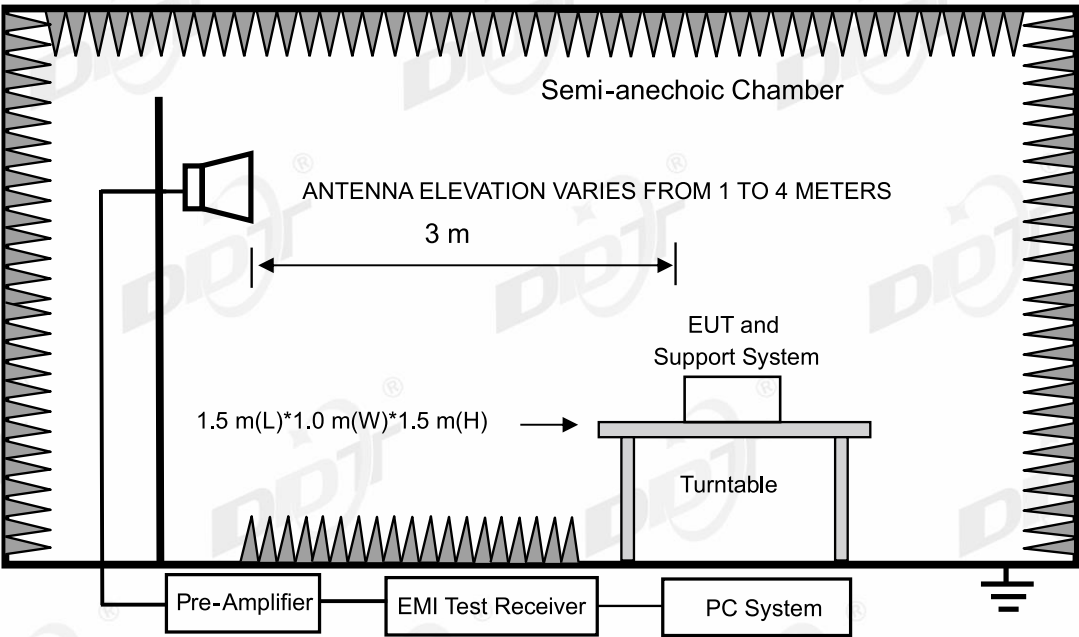
13.Radiated Emission

13.1. Test equipment

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

13.2. Block diagram of test setup





13.3. 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:

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

(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.

13.4. Assistant equipment used for test

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

13.5. Test procedure

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

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

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

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

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

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

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

(c) Change modulation type of device if practicable.

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

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

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

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

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

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

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

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

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

(9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 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.

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

Tx mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

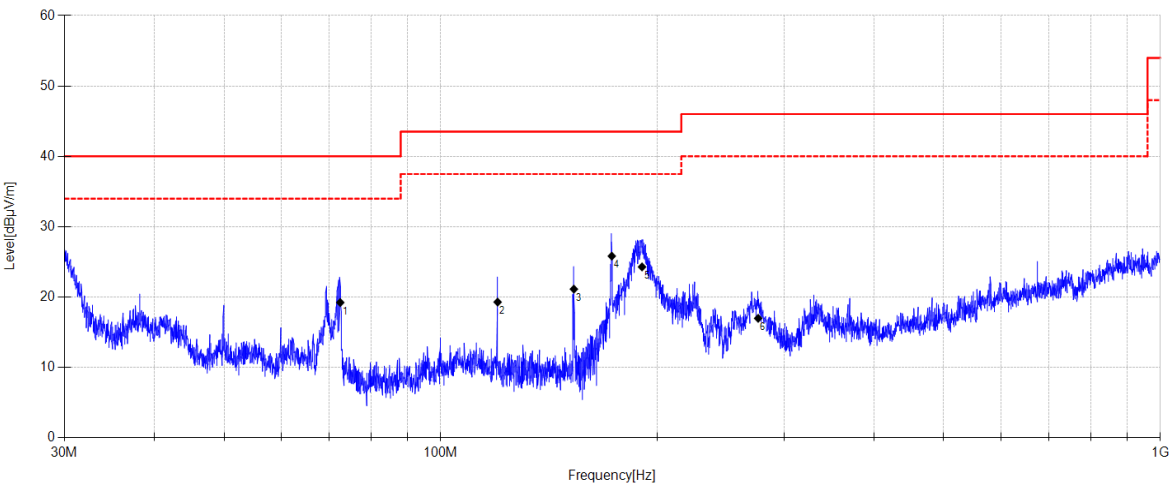
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 1300 SUB\FCC Below 1G\20241206-035229_H

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	72.528	36.9	9.39	4.04	19.23	40.00	20.77	QP	Horizontal
2	119.991	36.08	10.00	4.33	19.29	43.50	24.21	QP	Horizontal
3	153.150	39.02	8.75	4.51	21.13	43.50	22.37	QP	Horizontal
4	172.902	42.82	9.56	4.61	25.82	43.50	17.68	QP	Horizontal
5	190.468	40.98	9.79	4.71	24.29	43.50	19.21	QP	Horizontal
6	276.195	30.74	12.48	5.11	16.98	46.00	29.02	QP	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

Tx mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

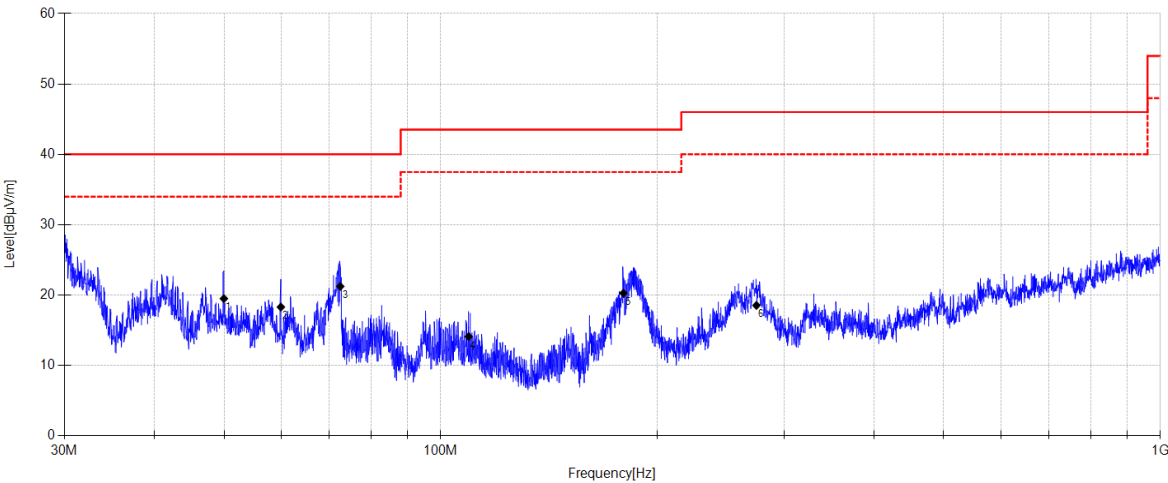
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Memo:

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	49.981	33.73	12.99	3.88	19.50	40.00	20.50	QP	Vertical
2	59.977	32.65	12.79	3.96	18.30	40.00	21.70	QP	Vertical
3	72.528	38.91	9.39	4.04	21.24	40.00	18.76	QP	Vertical
4	109.383	28.84	12.10	4.27	14.10	43.50	29.40	QP	Vertical
5	179.448	37.21	9.59	4.65	20.27	43.50	23.23	QP	Vertical
6	274.650	32.28	12.50	5.10	18.53	46.00	27.47	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

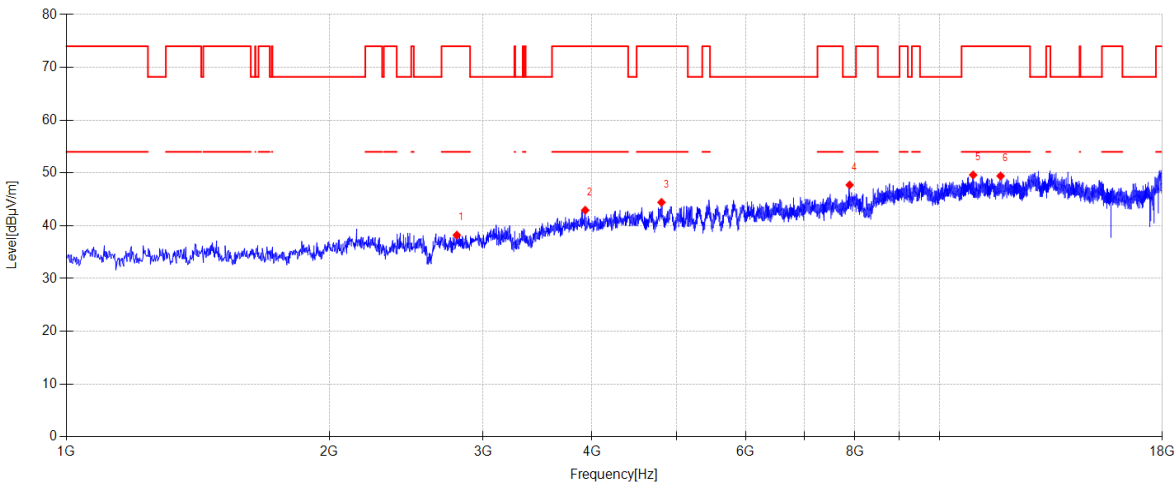
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Memo:

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	2800.300	46.21	27.40	3.80	-39.19	38.22	74.00	35.78	PK	Horizontal
2	3929.100	46.98	31.14	4.48	-39.66	42.94	74.00	31.06	PK	Horizontal
3	4804.600	46.38	32.62	5.05	-39.62	44.43	74.00	29.57	PK	Horizontal
4	7891.800	44.41	36.98	6.53	-40.20	47.72	68.20	20.48	PK	Horizontal
5	10929.700	42.01	39.30	7.36	-39.04	49.63	74.00	24.37	PK	Horizontal
6	11749.100	42.39	38.95	7.84	-39.75	49.43	74.00	24.57	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

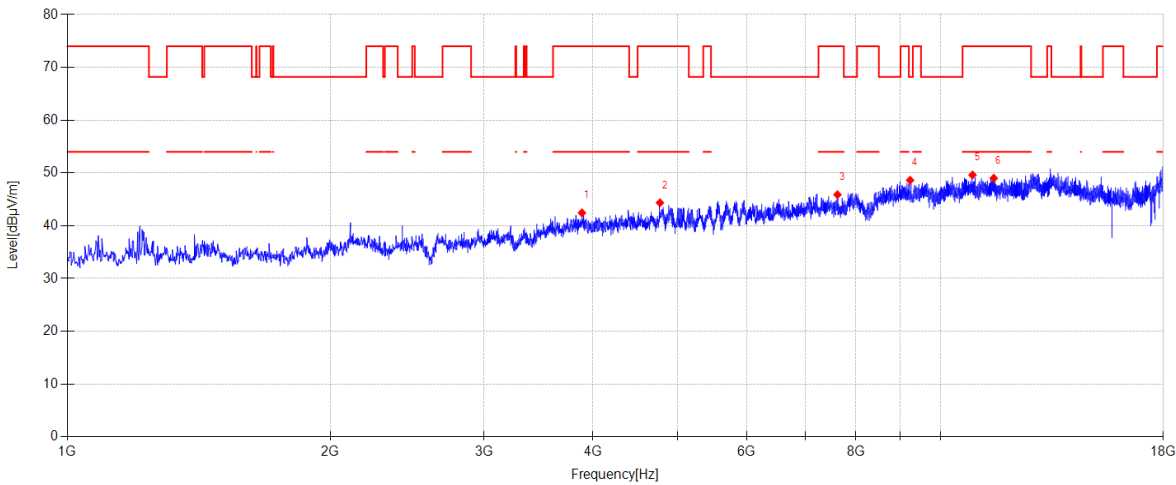
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Memo:

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	3884.900	46.53	31.11	4.45	-39.65	42.44	74.00	31.56	PK	Vertical
2	4772.300	46.55	32.39	5.03	-39.62	44.35	74.00	29.65	PK	Vertical
3	7621.500	43.44	36.54	6.34	-40.44	45.88	74.00	28.12	PK	Vertical
4	9231.400	42.00	38.60	7.01	-38.99	48.62	68.20	19.58	PK	Vertical
5	10882.100	42.03	39.32	7.34	-39.07	49.62	74.00	24.38	PK	Vertical
6	11507.700	41.63	39.18	7.69	-39.51	48.99	74.00	25.01	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 1300MK2 SUB

Test Mode:

11AX20 5200 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

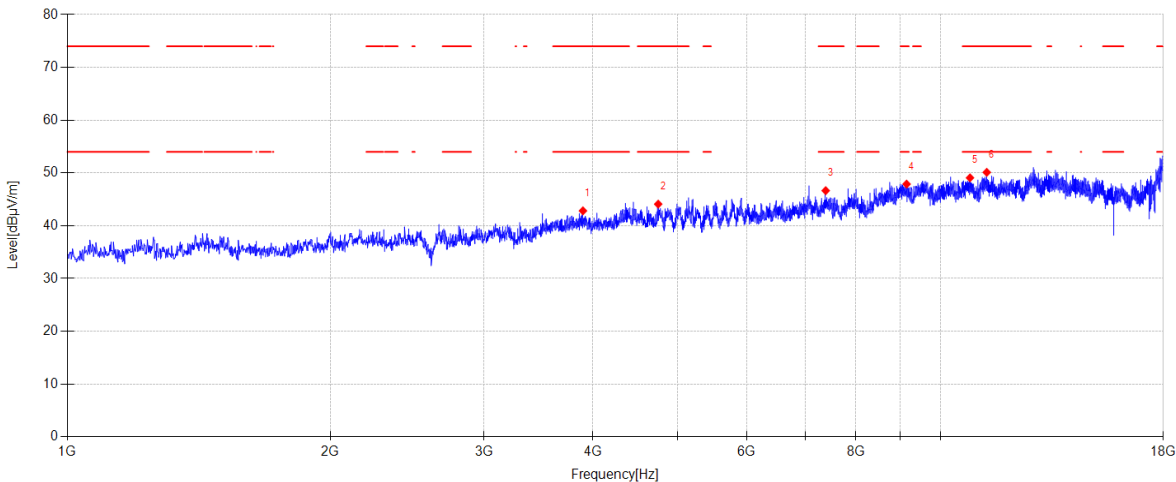
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Memo:

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	3895.100	46.23	31.17	5.07	-39.65	42.82	74.00	31.18	PK	Horizontal
2	4750.200	45.92	32.30	5.50	-39.62	44.10	74.00	29.90	PK	Horizontal
3	7388.600	43.93	36.72	6.65	-40.65	46.65	74.00	27.35	PK	Horizontal
4	9146.400	40.96	38.50	7.35	-38.92	47.89	74.00	26.11	PK	Horizontal
5	10810.700	40.76	39.39	8.04	-39.11	49.08	74.00	24.92	PK	Horizontal
6	11300.300	41.90	39.20	8.32	-39.30	50.12	74.00	23.88	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 1300MK2 SUB

Test Mode:

11AX20 5200 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

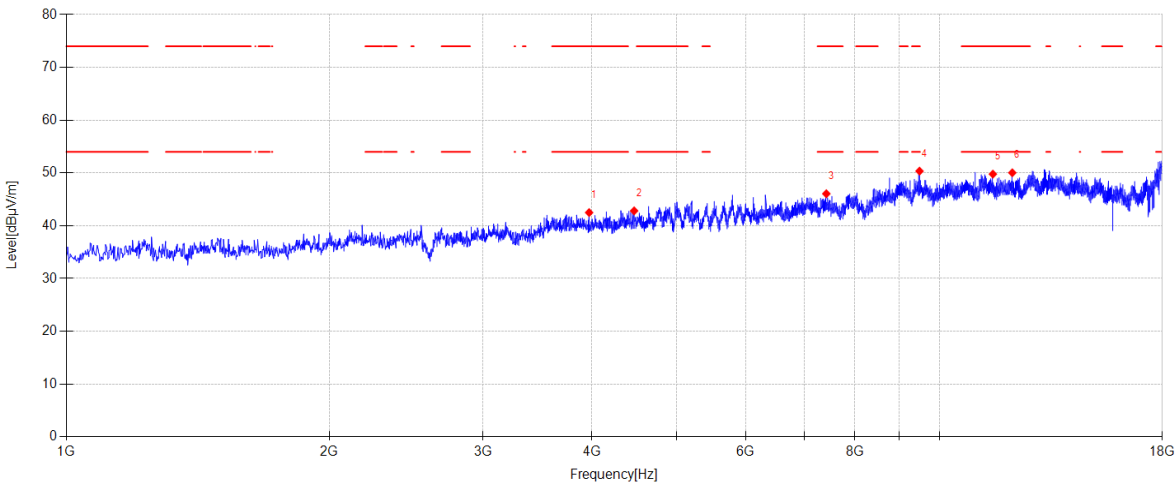
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Memo:

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	3969.900	46.08	31.02	5.06	-39.67	42.49	74.00	31.51	PK	Vertical
2	4469.700	45.39	31.74	5.33	-39.64	42.82	-	-	PK	Vertical
3	7420.900	43.36	36.66	6.66	-40.62	46.06	74.00	27.94	PK	Vertical
4	9488.100	43.38	38.70	7.46	-39.19	50.35	74.00	23.65	PK	Vertical
5	11512.800	41.67	39.17	8.45	-39.51	49.78	74.00	24.22	PK	Vertical
6	12118.000	41.90	39.30	8.82	-39.98	50.04	74.00	23.96	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 1300MK2 SUB

Test Mode:

11AX20 5240 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

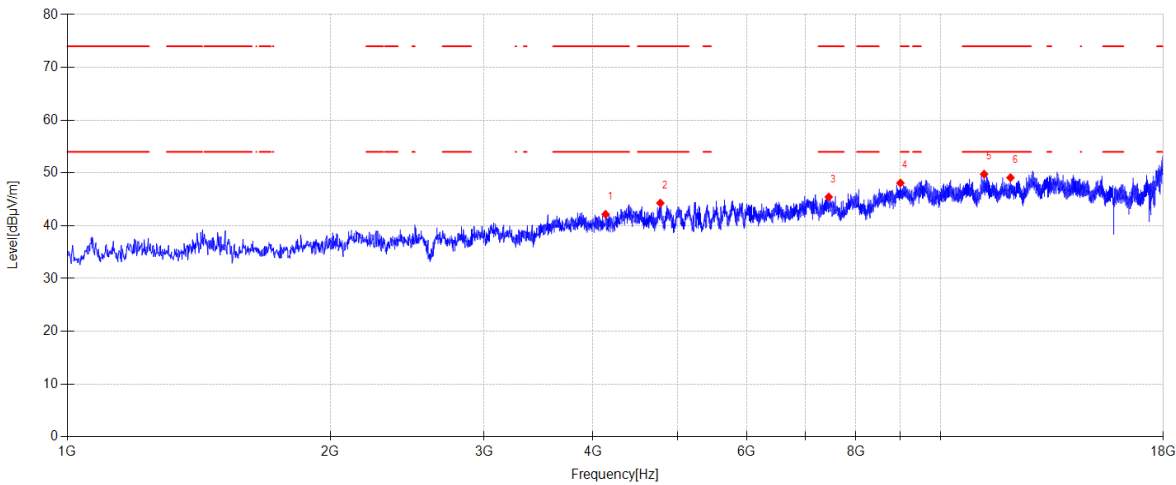
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d:\ts\2024 report data\BAR 1300 SUB\SRD\7

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	4134.800	45.54	31.17	5.13	-39.67	42.17	74.00	31.83	PK	Horizontal
2	4777.400	45.98	32.41	5.52	-39.62	44.29	74.00	29.71	PK	Horizontal
3	7448.100	42.77	36.60	6.68	-40.60	45.45	74.00	28.55	PK	Horizontal
4	8996.800	41.28	38.31	7.30	-38.80	48.09	-	-	PK	Horizontal
5	11220.400	41.53	39.20	8.27	-39.22	49.78	74.00	24.22	PK	Horizontal
6	12027.900	41.09	39.23	8.77	-39.99	49.10	74.00	24.90	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 1300MK2 SUB

Test Mode:

11AX20 5240 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

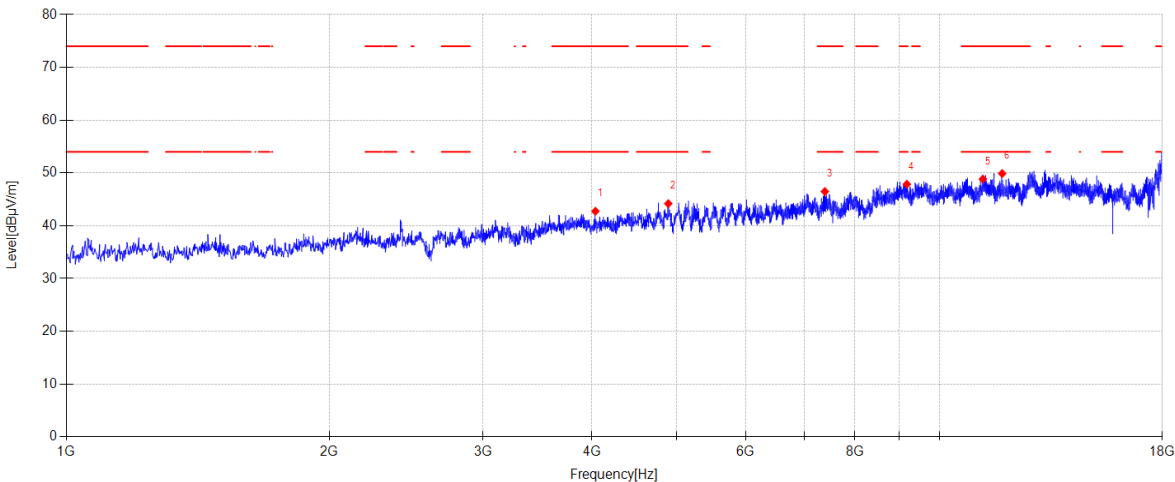
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d:\ts\2024 report data\BAR 1300 SUB\SRD\8

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	4036.200	46.39	30.97	5.07	-39.68	42.75	74.00	31.25	PK	Vertical
2	4891.300	45.08	33.14	5.58	-39.61	44.19	74.00	29.81	PK	Vertical
3	7392.000	43.76	36.72	6.65	-40.65	46.48	74.00	27.52	PK	Vertical
4	9175.300	40.90	38.55	7.36	-38.94	47.87	74.00	26.13	PK	Vertical
5	11213.600	40.59	39.20	8.26	-39.21	48.84	74.00	25.16	PK	Vertical
6	11798.400	42.17	38.90	8.63	-39.80	49.90	74.00	24.10	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 1300MK2 SUB

Test Mode:

11AX20 5260 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

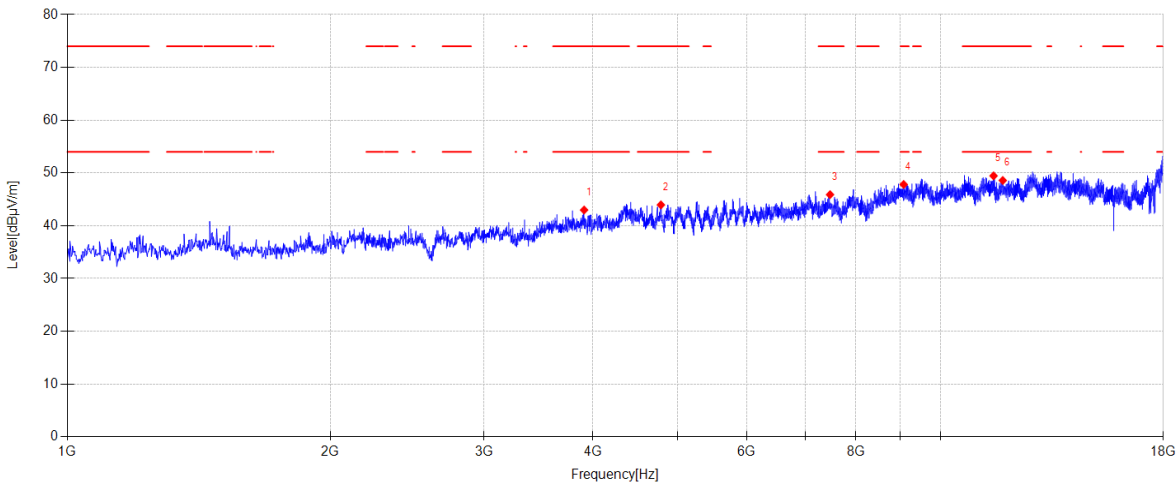
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Memo:

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	3907.000	46.38	31.19	5.07	-39.66	42.98	74.00	31.02	PK	Horizontal
2	4784.200	45.61	32.44	5.52	-39.62	43.95	74.00	30.05	PK	Horizontal
3	7473.600	43.22	36.55	6.69	-40.57	45.89	74.00	28.11	PK	Horizontal
4	9075.000	40.91	38.45	7.32	-38.86	47.82	74.00	26.18	PK	Horizontal
5	11502.600	41.31	39.19	8.45	-39.50	49.45	74.00	24.55	PK	Horizontal
6	11786.500	40.83	38.91	8.63	-39.79	48.58	74.00	25.42	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5260 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

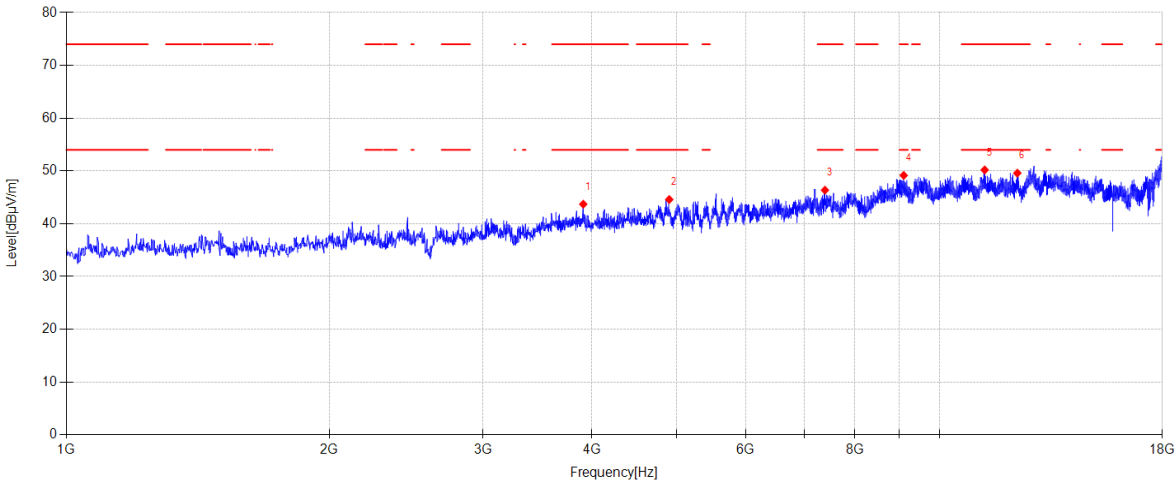
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d:\ts\2024 report data\BAR 1300 SUB\SRD\6

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	3908.700	47.11	31.18	5.07	-39.66	43.70	74.00	30.30	PK	Vertical
2	4903.200	45.60	33.01	5.59	-39.61	44.59	74.00	29.41	PK	Vertical
3	7393.700	43.65	36.71	6.65	-40.65	46.36	74.00	27.64	PK	Vertical
4	9100.500	42.21	38.50	7.33	-38.88	49.16	74.00	24.84	PK	Vertical
5	11266.300	41.96	39.20	8.30	-39.27	50.19	74.00	23.81	PK	Vertical
6	12279.500	41.33	39.30	8.90	-39.94	49.59	74.00	24.41	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5280 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

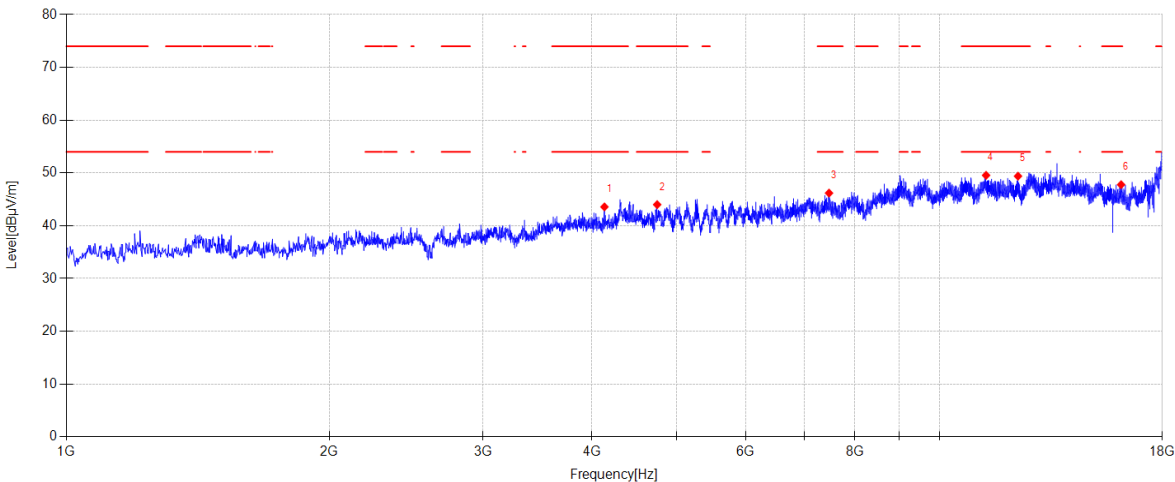
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Memo:

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	4133.100	46.94	31.17	5.13	-39.67	43.57	74.00	30.43	PK	Horizontal
2	4750.200	45.82	32.30	5.50	-39.62	44.00	74.00	30.00	PK	Horizontal
3	7473.600	43.52	36.55	6.69	-40.57	46.19	74.00	27.81	PK	Horizontal
4	11308.800	41.33	39.21	8.32	-39.31	49.55	74.00	24.45	PK	Horizontal
5	12301.600	41.12	39.30	8.91	-39.94	49.39	74.00	24.61	PK	Horizontal
6	16145.300	39.25	37.85	10.18	-39.50	47.78	74.00	26.22	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 1300MK2 SUB

Test Mode:

11AX20 5280 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

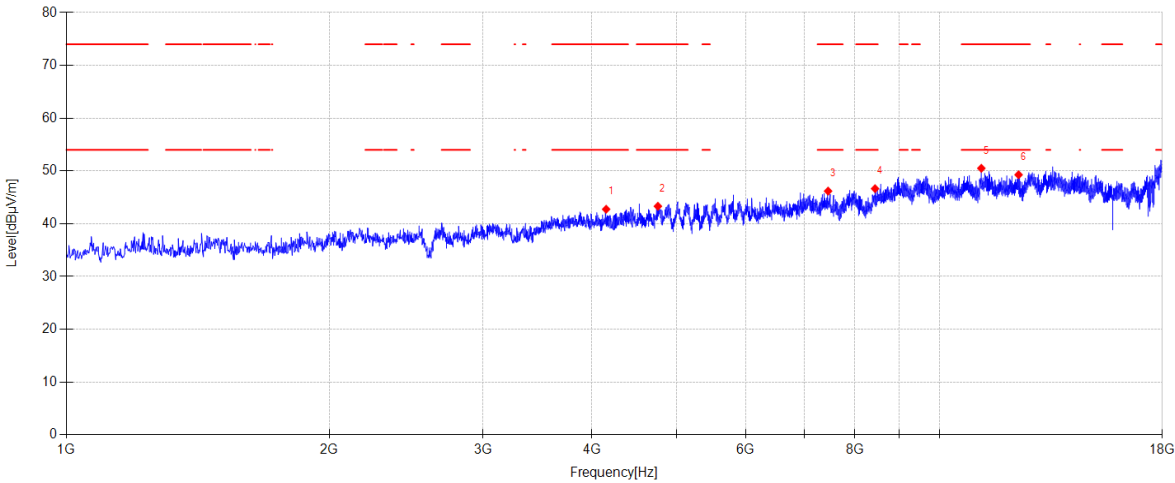
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d:\ts\2024 report data\BAR 1300 SUB\SRD\4

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	4151.800	46.08	31.20	5.14	-39.67	42.75	74.00	31.25	PK	Vertical
2	4758.700	45.09	32.33	5.51	-39.62	43.31	74.00	30.69	PK	Vertical
3	7454.900	43.50	36.59	6.68	-40.59	46.18	74.00	27.82	PK	Vertical
4	8437.500	41.57	37.50	7.11	-39.53	46.65	74.00	27.35	PK	Vertical
5	11167.700	42.20	39.23	8.24	-39.17	50.50	74.00	23.50	PK	Vertical
6	12320.300	41.00	39.30	8.92	-39.94	49.28	74.00	24.72	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

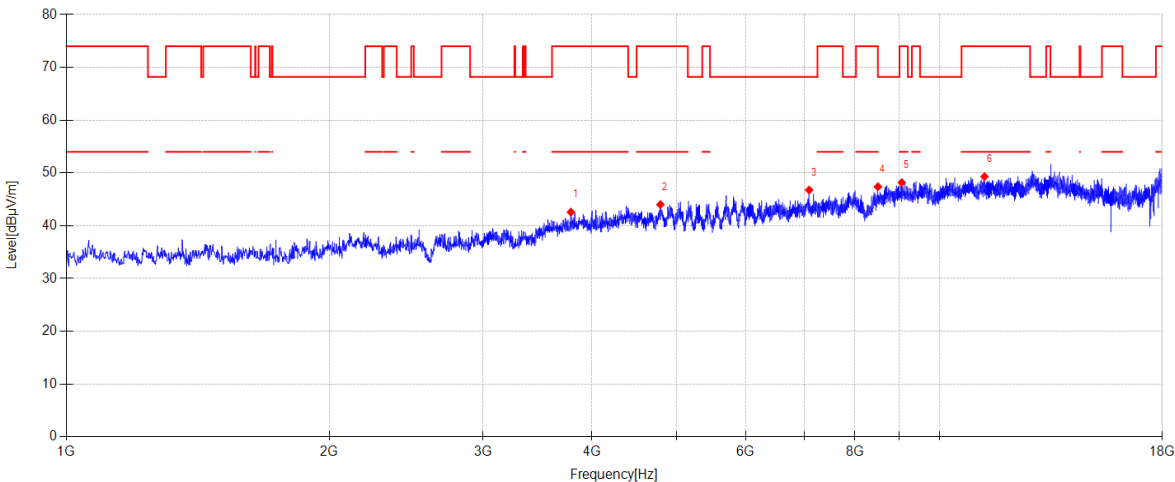
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Memo:

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	3782.900	47.18	30.63	4.39	-39.63	42.57	74.00	31.43	PK	Horizontal
2	4791.000	46.13	32.46	5.04	-39.62	44.01	74.00	29.99	PK	Horizontal
3	7091.100	45.15	36.55	5.98	-40.92	46.76	68.20	21.44	PK	Horizontal
4	8502.100	42.33	37.71	6.80	-39.45	47.39	68.20	20.81	PK	Horizontal
5	9052.900	41.60	38.41	7.00	-38.84	48.17	74.00	25.83	PK	Horizontal
6	11261.200	41.83	39.20	7.54	-39.26	49.31	74.00	24.69	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

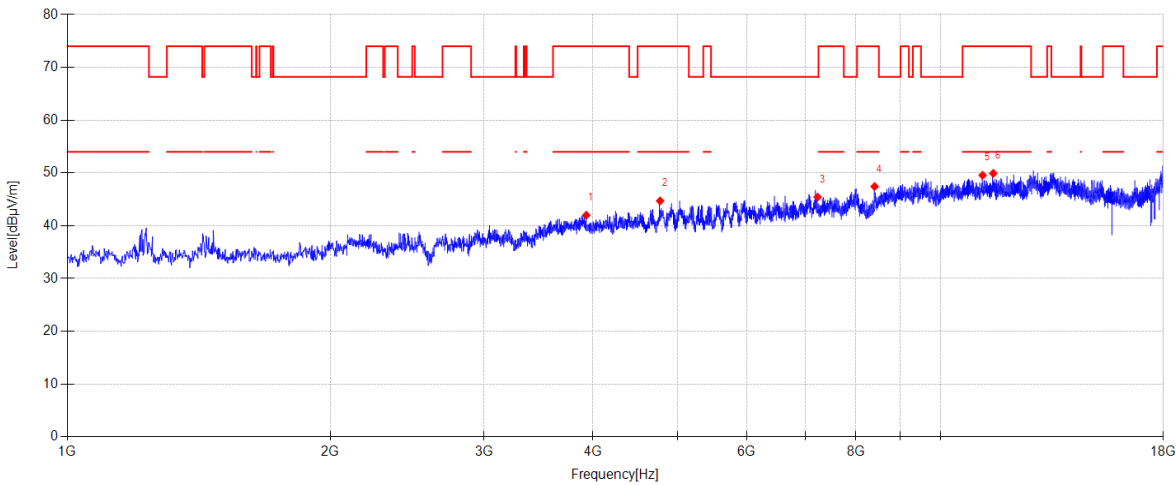
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Memo:

Sample Number: S24111520-010

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3929.100	46.04	31.14	4.48	-39.66	42.00	74.00	32.00	PK	Vertical
2	4774.000	46.89	32.40	5.03	-39.62	44.70	74.00	29.30	PK	Vertical
3	7232.200	43.33	36.80	6.08	-40.79	45.42	68.20	22.78	PK	Vertical
4	8405.200	42.74	37.50	6.76	-39.57	47.43	74.00	26.57	PK	Vertical
5	11176.200	42.04	39.22	7.49	-39.18	49.57	74.00	24.43	PK	Vertical
6	11494.100	42.52	39.21	7.68	-39.49	49.92	74.00	24.08	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

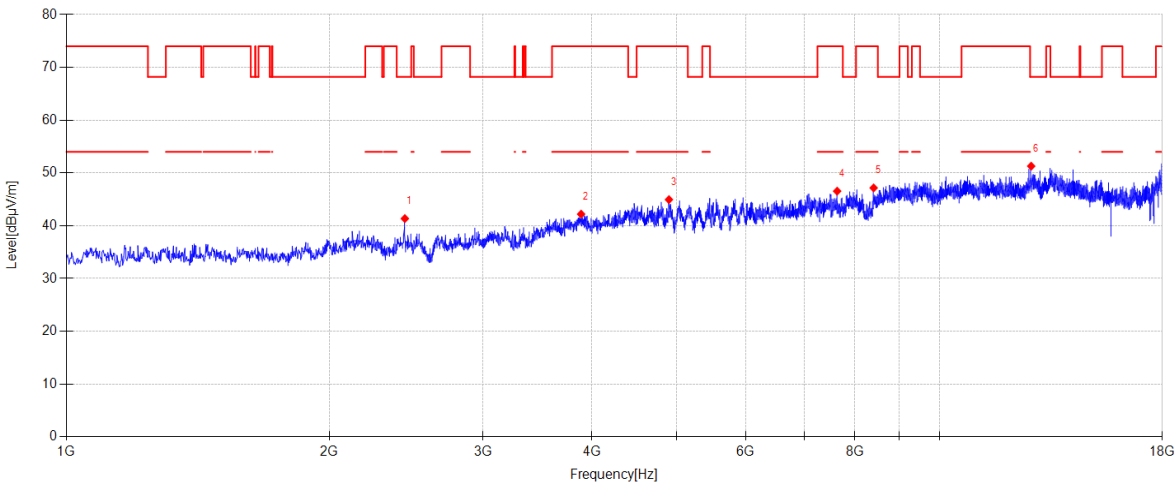
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Memo:

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	2441.600	49.11	27.38	3.60	-38.74	41.35	68.20	26.85	PK	Horizontal
2	3886.600	46.28	31.12	4.45	-39.65	42.20	74.00	31.80	PK	Horizontal
3	4899.800	46.45	33.00	5.11	-39.61	44.95	74.00	29.05	PK	Horizontal
4	7635.100	44.06	36.57	6.35	-40.43	46.55	74.00	27.45	PK	Horizontal
5	8406.900	42.48	37.50	6.76	-39.57	47.17	74.00	26.83	PK	Horizontal
6	12736.800	43.18	39.67	8.29	-39.85	51.29	68.20	16.91	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

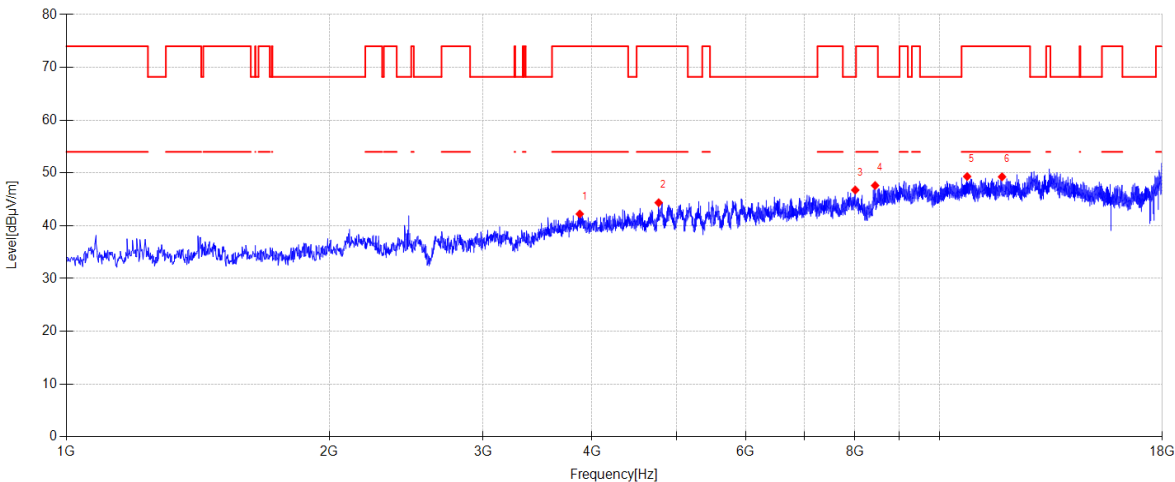
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Memo:

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	3873.000	46.39	31.04	4.44	-39.65	42.22	74.00	31.78	PK	Vertical
2	4768.900	46.58	32.38	5.03	-39.62	44.37	74.00	29.63	PK	Vertical
3	8009.100	43.15	37.10	6.60	-40.09	46.76	68.20	21.44	PK	Vertical
4	8439.200	42.87	37.50	6.78	-39.53	47.62	74.00	26.38	PK	Vertical
5	10758.000	41.78	39.40	7.30	-39.15	49.33	74.00	24.67	PK	Vertical
6	11795.000	42.30	38.91	7.86	-39.80	49.27	74.00	24.73	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 1300MK2 SUB

Test Mode:

11AX20 5580 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

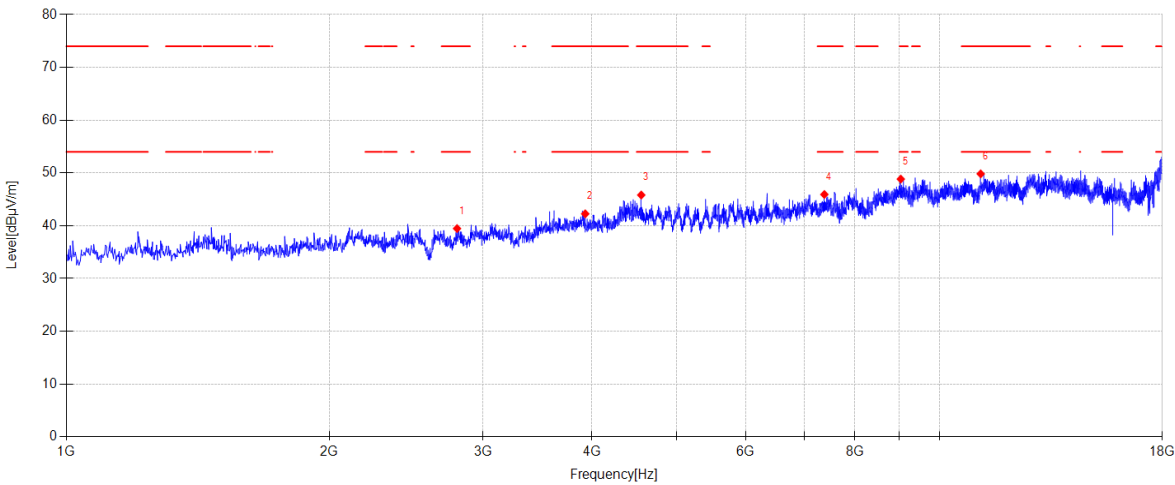
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Memo:

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	2802.000	46.13	27.42	5.10	-39.19	39.46	74.00	34.54	PK	Horizontal
2	3929.100	45.72	31.14	5.06	-39.66	42.26	74.00	31.74	PK	Horizontal
3	4554.700	48.18	31.90	5.38	-39.64	45.82	74.00	28.18	PK	Horizontal
4	7381.800	43.20	36.74	6.64	-40.66	45.92	74.00	28.08	PK	Horizontal
5	9030.800	41.99	38.36	7.31	-38.82	48.84	74.00	25.16	PK	Horizontal
6	11149.000	41.51	39.25	8.22	-39.15	49.83	74.00	24.17	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:

2025-02-17

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5580 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.1°C;Humi:49.4%

Test Site:

DDT 3# Chamber

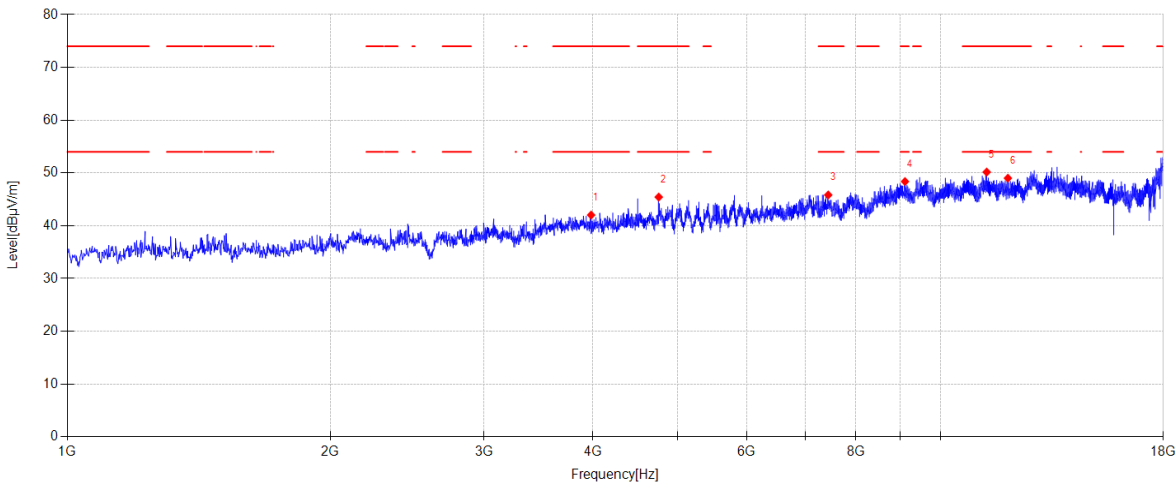
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Memo:

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	3980.100	45.67	30.98	5.05	-39.68	42.02	74.00	31.98	PK	Vertical
2	4757.000	47.22	32.33	5.50	-39.62	45.43	74.00	28.57	PK	Vertical
3	7437.900	43.15	36.62	6.67	-40.61	45.83	74.00	28.17	PK	Vertical
4	9107.300	41.42	38.50	7.34	-38.89	48.37	74.00	25.63	PK	Vertical
5	11296.900	41.95	39.20	8.32	-39.30	50.17	74.00	23.83	PK	Vertical
6	11946.300	41.19	39.04	8.73	-39.95	49.01	74.00	24.99	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

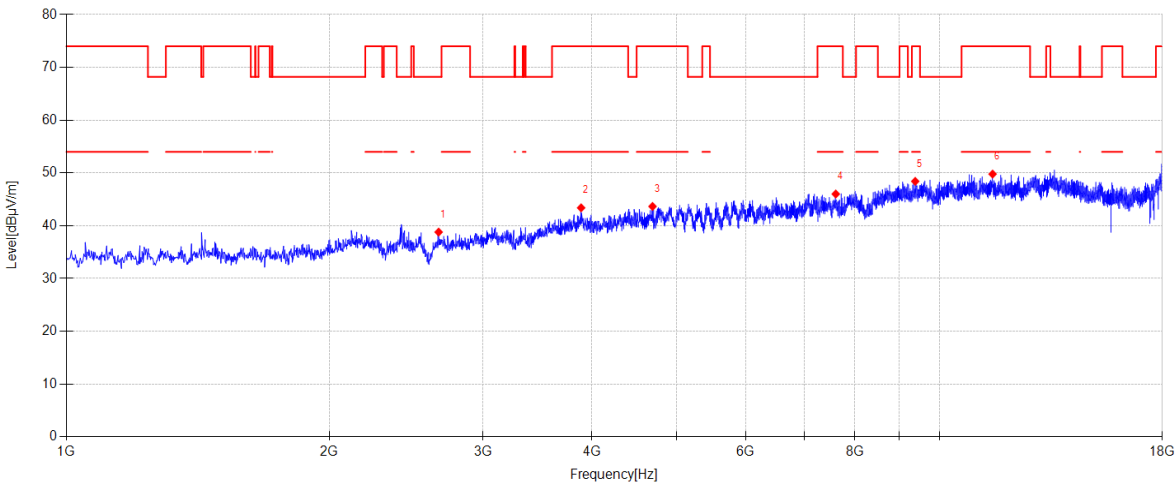
File Path:

d:\ts\2024 report data\BAR 1300 SUB\1206 5G\33

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	2669.400	46.54	27.56	3.72	-39.02	38.80	68.20	29.40	PK	Horizontal
2	3886.600	47.47	31.12	4.45	-39.65	43.39	74.00	30.61	PK	Horizontal
3	4692.400	46.13	32.17	4.98	-39.62	43.66	74.00	30.34	PK	Horizontal
4	7607.900	43.61	36.52	6.33	-40.45	46.01	74.00	27.99	PK	Horizontal
5	9381.000	41.79	38.70	7.02	-39.10	48.41	74.00	25.59	PK	Horizontal
6	11504.300	42.41	39.19	7.69	-39.50	49.79	74.00	24.21	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

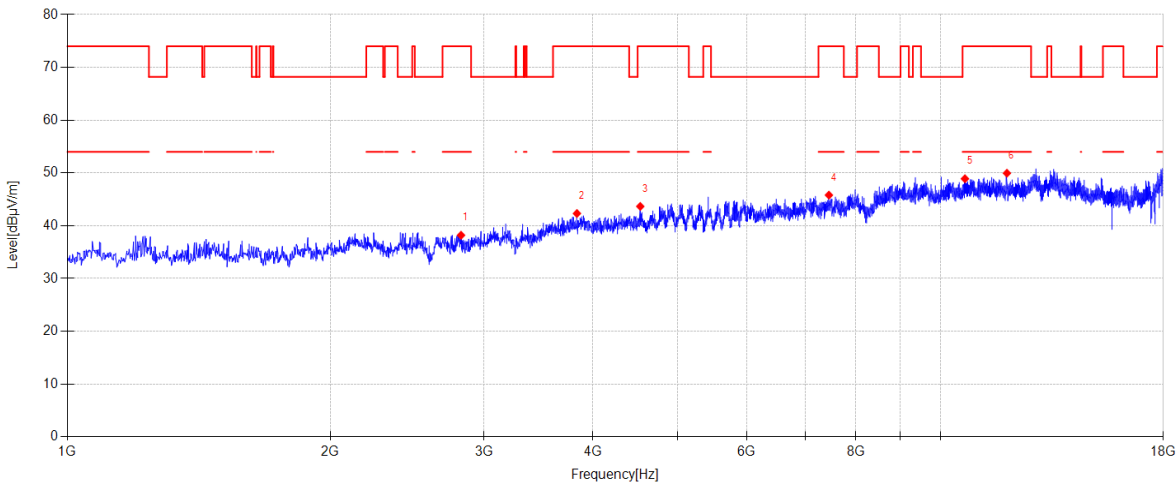
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d:\ts\2024 report data\BAR 1300 SUB\1206 5G\34

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	2824.100	46.02	27.59	3.81	-39.22	38.20	74.00	35.80	PK	Vertical
2	3833.900	46.70	30.84	4.42	-39.64	42.32	74.00	31.68	PK	Vertical
3	4530.900	46.57	31.86	4.87	-39.64	43.66	74.00	30.34	PK	Vertical
4	7451.500	43.56	36.60	6.23	-40.59	45.80	74.00	28.20	PK	Vertical
5	10666.200	41.50	39.33	7.27	-39.20	48.90	74.00	25.10	PK	Vertical
6	11915.700	42.99	38.95	7.94	-39.92	49.96	74.00	24.04	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

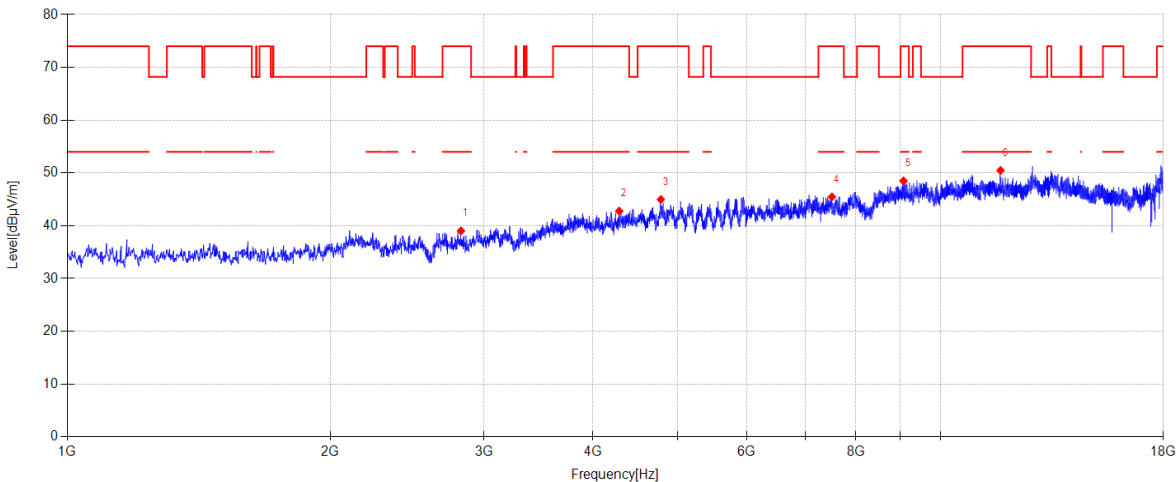
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Memo:

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	46.84	27.59	3.81	-39.22	39.02	74.00	34.98	PK	Horizontal
2	4286.100	46.19	31.54	4.71	-39.66	42.78	74.00	31.22	PK	Horizontal
3	4784.200	47.11	32.44	5.04	-39.62	44.97	74.00	29.03	PK	Horizontal
4	7511.000	43.26	36.48	6.27	-40.54	45.47	74.00	28.53	PK	Horizontal
5	9071.600	41.92	38.44	7.00	-38.86	48.50	74.00	25.50	PK	Horizontal
6	11716.800	43.39	38.98	7.82	-39.72	50.47	74.00	23.53	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

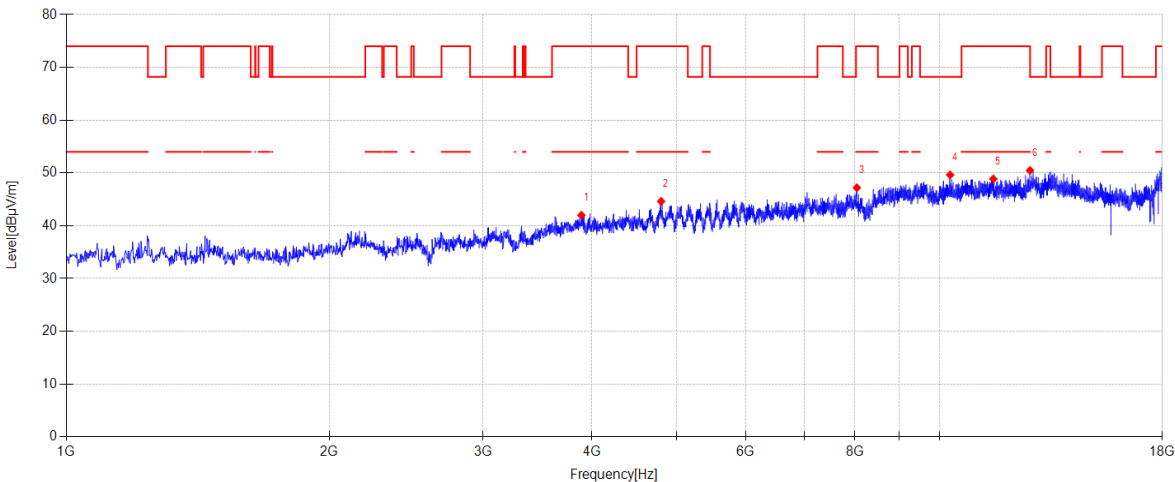
File Path:

d:\ts\2024 report data\BAR 1300 SUB\1206 5G\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	3890.000	46.05	31.14	4.45	-39.65	41.99	74.00	32.01	PK	Vertical
2	4799.500	46.69	32.50	5.05	-39.62	44.62	74.00	29.38	PK	Vertical
3	8043.100	43.52	37.10	6.62	-40.04	47.20	74.00	26.80	PK	Vertical
4	10285.400	43.03	38.89	7.15	-39.43	49.64	68.20	18.56	PK	Vertical
5	11528.100	41.56	39.14	7.70	-39.53	48.87	74.00	25.13	PK	Vertical
6	12697.700	42.45	39.60	8.28	-39.86	50.47	74.00	23.53	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

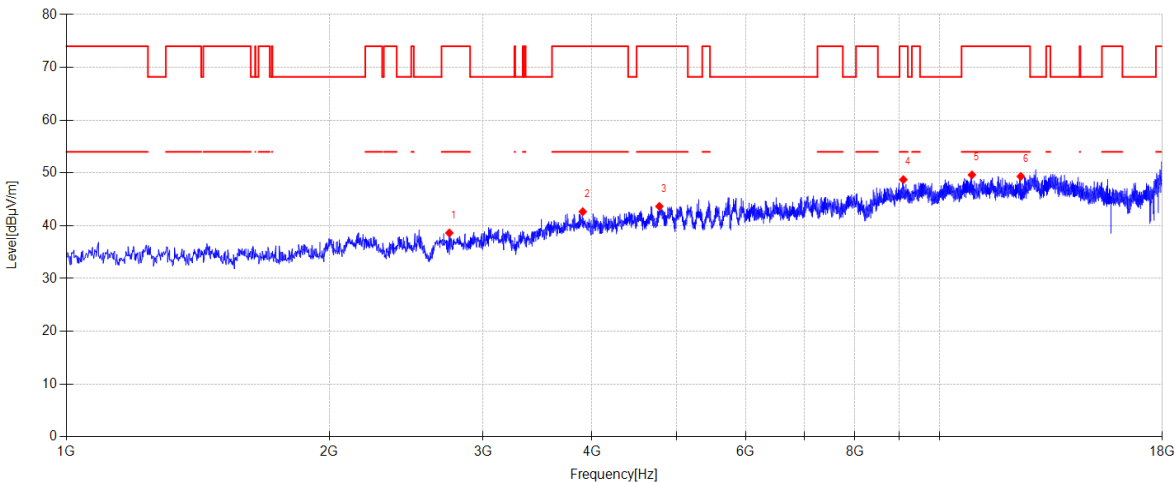
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Memo:

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	2745.900	46.39	27.59	3.77	-39.12	38.63	74.00	35.37	PK	Horizontal
2	3903.600	46.67	31.19	4.46	-39.66	42.66	74.00	31.34	PK	Horizontal
3	4777.400	45.85	32.41	5.03	-39.62	43.67	74.00	30.33	PK	Horizontal
4	9092.000	42.12	38.48	7.01	-38.87	48.74	74.00	25.26	PK	Horizontal
5	10894.000	42.04	39.31	7.35	-39.06	49.64	74.00	24.36	PK	Horizontal
6	12391.700	41.82	39.30	8.15	-39.92	49.35	74.00	24.65	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

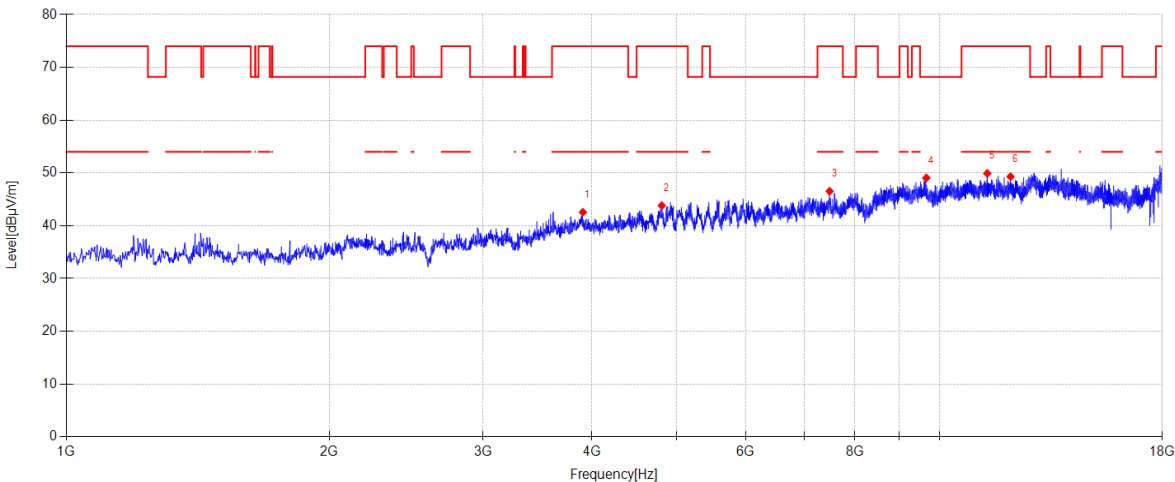
File Path:

d:\ts\2024 report data\BAR 1300 SUB\1206 5G\38

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	3905.300	46.57	31.19	4.46	-39.66	42.56	74.00	31.44	PK	Vertical
2	4808.000	45.67	32.71	5.05	-39.62	43.81	74.00	30.19	PK	Vertical
3	7485.500	44.32	36.53	6.25	-40.56	46.54	74.00	27.46	PK	Vertical
4	9659.800	42.87	38.48	7.04	-39.33	49.06	68.20	19.14	PK	Vertical
5	11344.500	42.43	39.24	7.59	-39.34	49.92	74.00	24.08	PK	Vertical
6	12061.900	42.00	39.26	8.02	-39.99	49.29	74.00	24.71	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

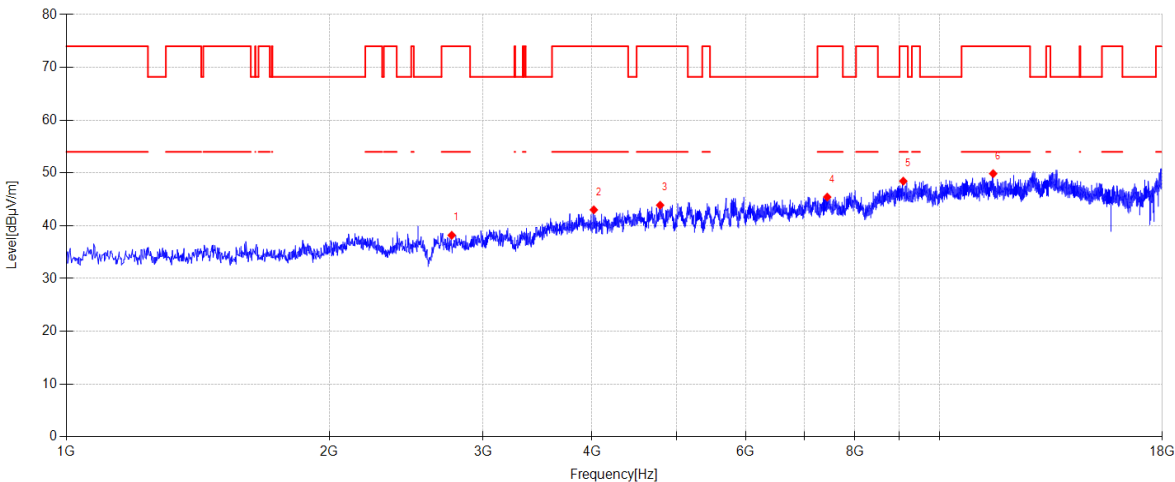
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d:\ts\2024 report data\BAR 1300 SUB\1206 5G\39

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	2762.900	46.00	27.55	3.78	-39.14	38.19	74.00	35.81	PK	Horizontal
2	4019.200	47.22	30.94	4.53	-39.68	43.01	74.00	30.99	PK	Horizontal
3	4787.600	46.02	32.45	5.04	-39.62	43.89	74.00	30.11	PK	Horizontal
4	7437.900	43.20	36.62	6.22	-40.61	45.43	74.00	28.57	PK	Horizontal
5	9090.300	41.83	38.48	7.01	-38.87	48.45	74.00	25.55	PK	Horizontal
6	11521.300	42.53	39.16	7.70	-39.52	49.87	74.00	24.13	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:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

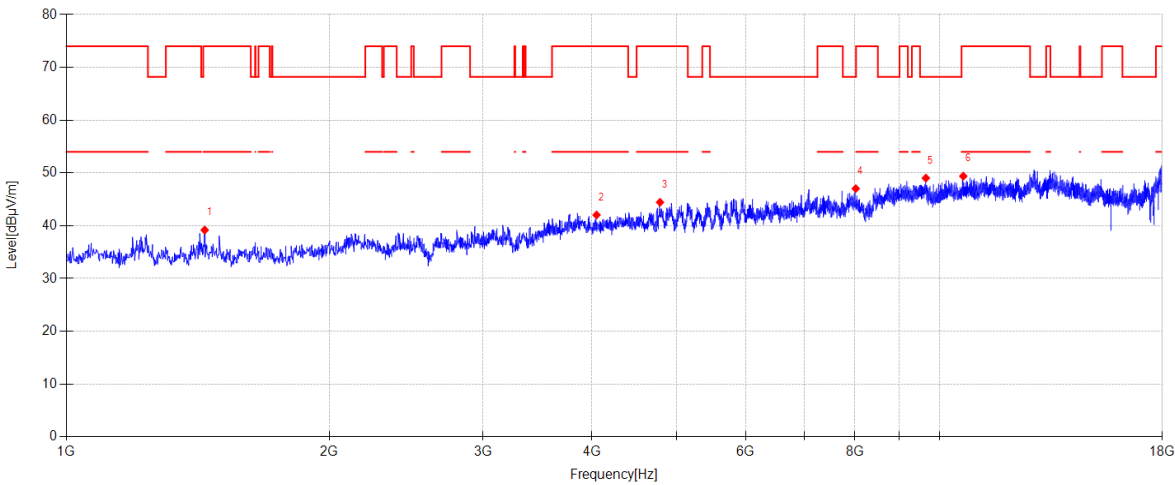
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Memo:

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	1440.300	48.48	25.26	2.81	-37.37	39.18	74.00	34.82	PK	Vertical
2	4048.100	46.17	31.00	4.55	-39.68	42.04	74.00	31.96	PK	Vertical
3	4785.900	46.58	32.44	5.04	-39.62	44.44	74.00	29.56	PK	Vertical
4	8019.300	43.39	37.10	6.61	-40.07	47.03	68.20	21.17	PK	Vertical
5	9647.900	42.81	38.50	7.04	-39.32	49.03	68.20	19.17	PK	Vertical
6	10649.200	42.03	39.30	7.27	-39.21	49.39	74.00	24.61	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

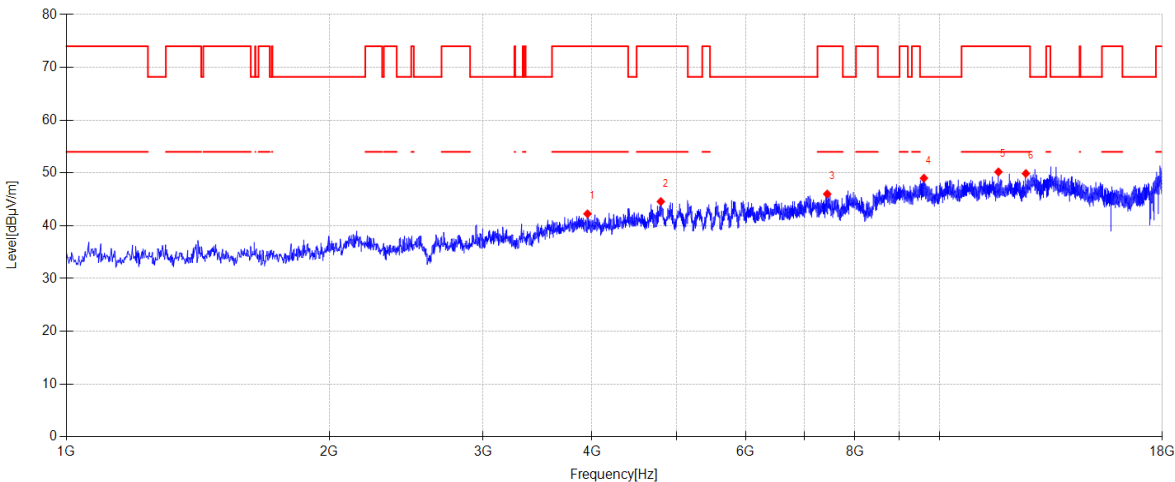
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d:\ts\2024 report data\BAR 1300 SUB\1206 5G\41

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	3952.900	46.35	31.09	4.49	-39.67	42.26	74.00	31.74	PK	Horizontal
2	4796.100	46.67	32.48	5.05	-39.62	44.58	74.00	29.42	PK	Horizontal
3	7437.900	43.78	36.62	6.22	-40.61	46.01	74.00	27.99	PK	Horizontal
4	9598.600	42.65	38.60	7.04	-39.28	49.01	68.20	19.19	PK	Horizontal
5	11684.500	43.08	39.00	7.80	-39.68	50.20	74.00	23.80	PK	Horizontal
6	12558.300	42.17	39.40	8.22	-39.89	49.90	74.00	24.10	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-06

Tested By:

Guoyuan Lin

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.7°C;Humi:53.2%

Test Site:

DDT 3# Chamber

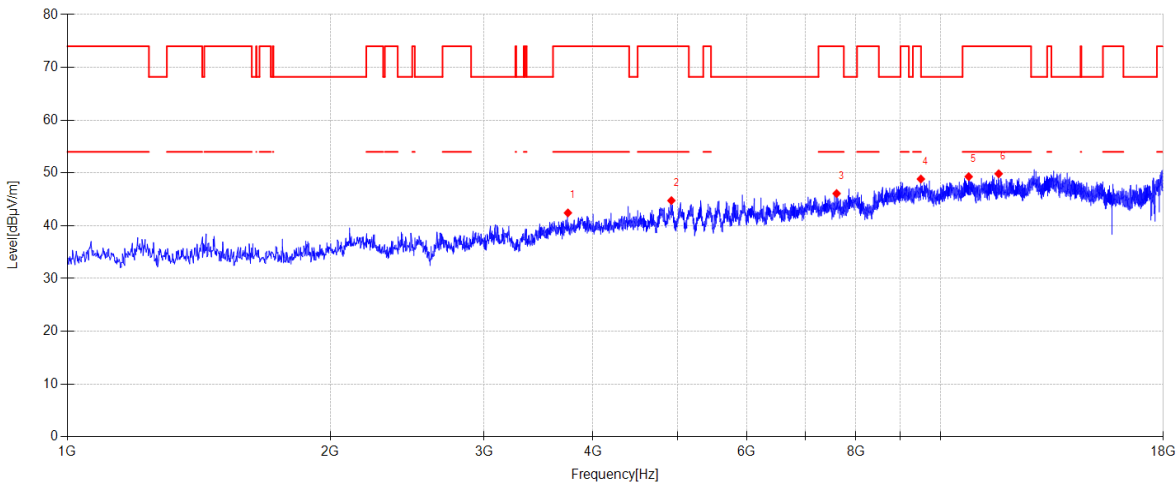
File Path:

d:\ts\2024 report data\BAR 1300 SUB\1206 5G\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	3743.800	47.20	30.49	4.36	-39.62	42.43	74.00	31.57	PK	Vertical
2	4918.500	46.21	33.04	5.13	-39.61	44.77	74.00	29.23	PK	Vertical
3	7604.500	43.72	36.51	6.33	-40.46	46.10	74.00	27.90	PK	Vertical
4	9496.600	42.32	38.70	7.03	-39.20	48.85	74.00	25.15	PK	Vertical
5	10773.300	41.73	39.40	7.31	-39.14	49.30	74.00	24.70	PK	Vertical
6	11659.000	42.73	39.00	7.78	-39.66	49.85	74.00	24.15	PK	Vertical

Note:

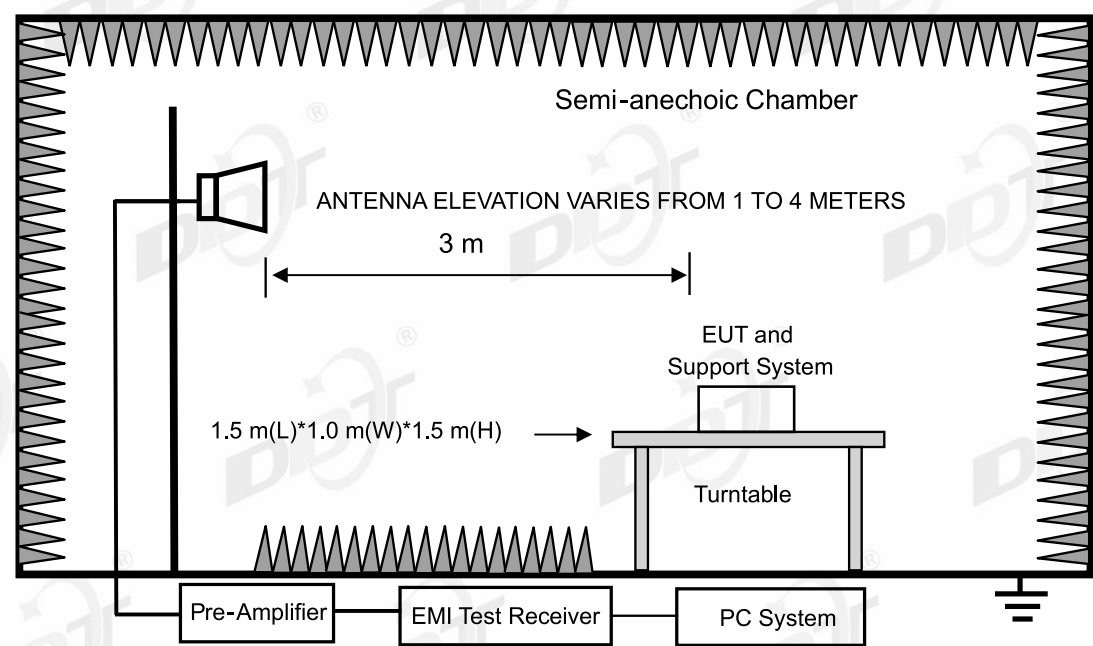
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14.Band Edge Compliance

14.1. Test equipment

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

14.2. Block diagram of test setup



14.3. Limits

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

14.4. Assistant equipment used for test

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

14.5. Test procedure

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

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

14.6. Test result

PASS. (See below detailed test result)

14.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

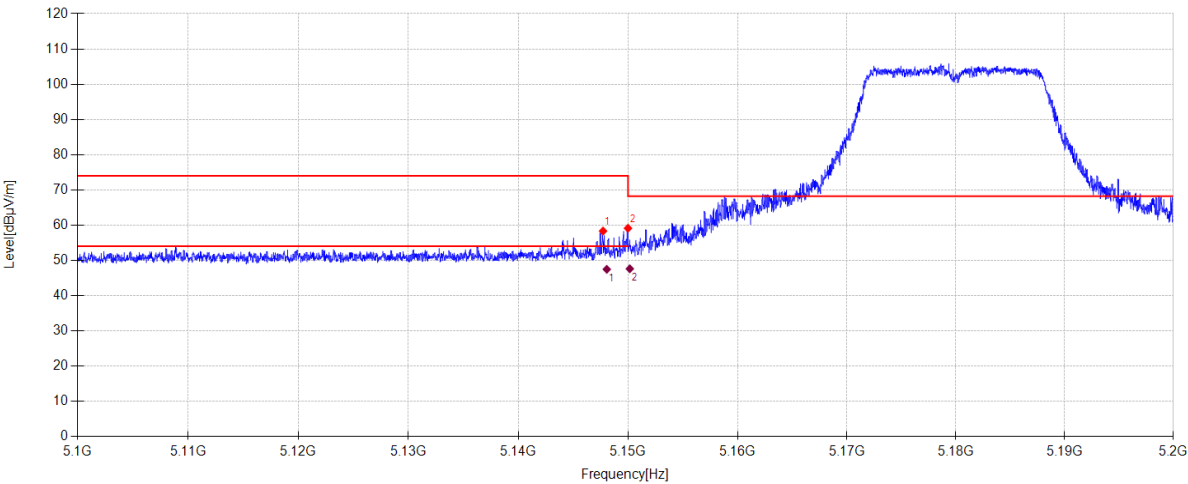
File Path:

d:\ts\2024 report data\BAR 1300 SUB\0120 5G SRD\33

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	5147.720	49.25	33.40	5.28	-29.60	58.33	74.00	15.67	PK	Horizontal
2	5150.000	50.04	33.40	5.28	-29.60	59.12	68.20	9.08	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	5148.064	38.39	33.40	5.28	47.47	54	6.53	AV	Horizontal	
2	5150.164	38.54	33.40	5.28	47.62	54	6.38	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 1300MK2 SUB

Test Mode:

11A 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

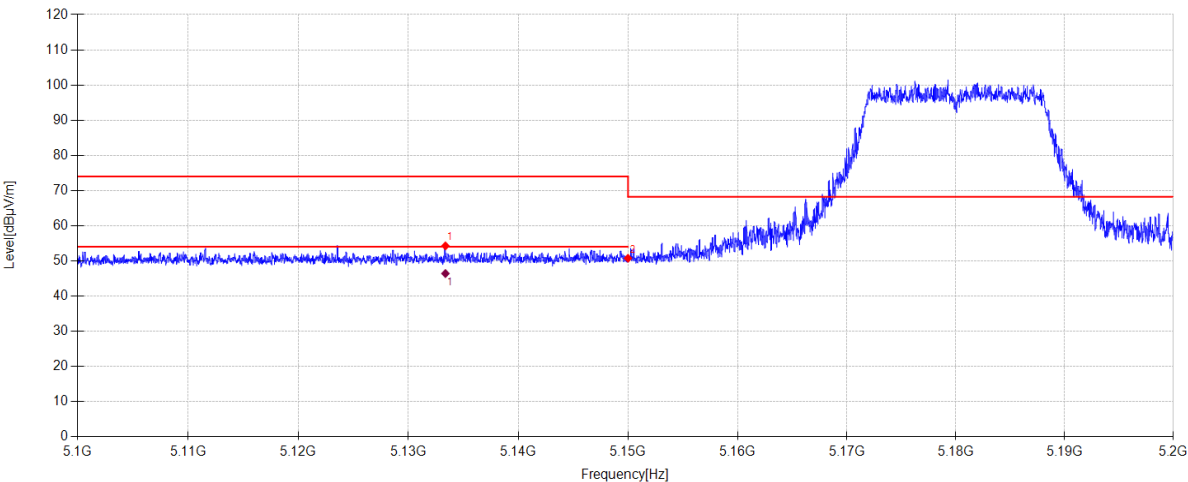
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d:\ts\2024 report data\BAR 1300 SUB\0120 5G SRD\34

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	5133.370	45.20	33.40	5.27	-29.60	54.27	74.00	19.73	PK	Vertical
2	5150.000	41.68	33.40	5.28	-29.60	50.76	68.20	17.44	PK	Vertical

Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5133.370	37.34	33.40	5.27	46.41	54	7.59	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 1300MK2 SUB

Test Mode:

11A 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

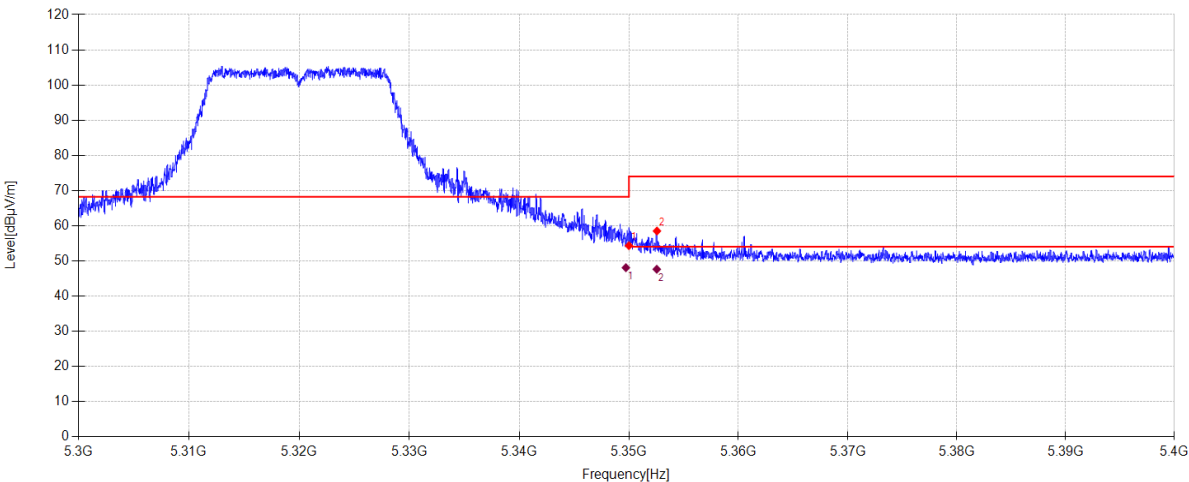
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d:\ts\2024 report data\BAR 1300 SUB\0120 5G SRD\31

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	5350.000	45.42	33.10	5.41	-29.60	54.33	68.20	13.87	PK	Horizontal
2	5352.560	49.59	33.10	5.41	-29.60	58.50	74.00	15.50	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	5349.726	39.16	33.10	5.41	48.07	54	5.93	AV	Horizontal	
2	5352.545	38.72	33.10	5.41	47.63	54	6.37	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 1300MK2 SUB

Test Mode:

11A 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

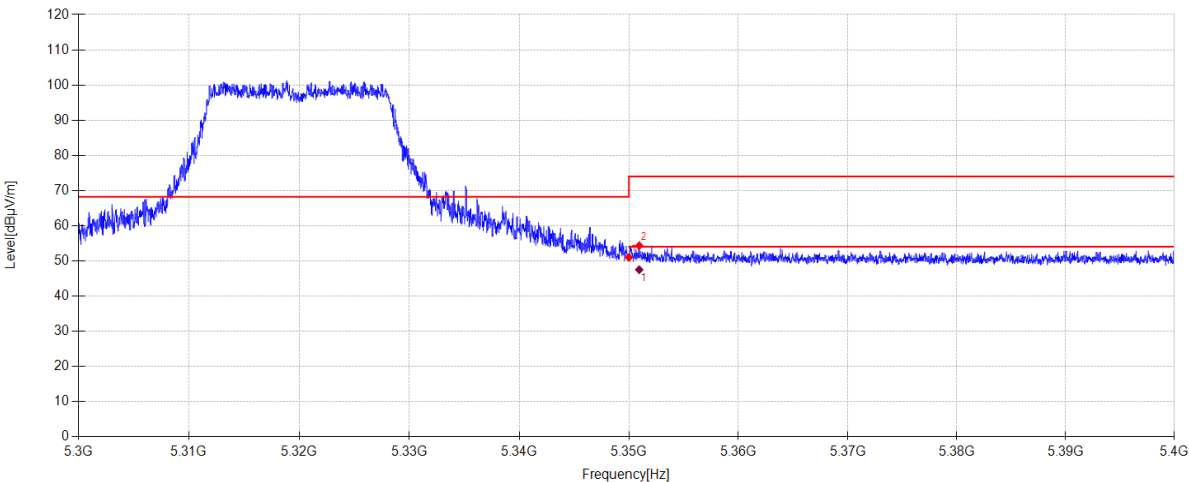
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Memo:

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	42.08	33.10	5.41	-29.60	50.99	68.20	17.21	PK	Vertical
2	5350.940	45.42	33.10	5.41	-29.60	54.33	74.00	19.67	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	5350.940	38.59	33.10	5.41	47.50	54	6.50	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 1300MK2 SUB

Test Mode:

11A 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

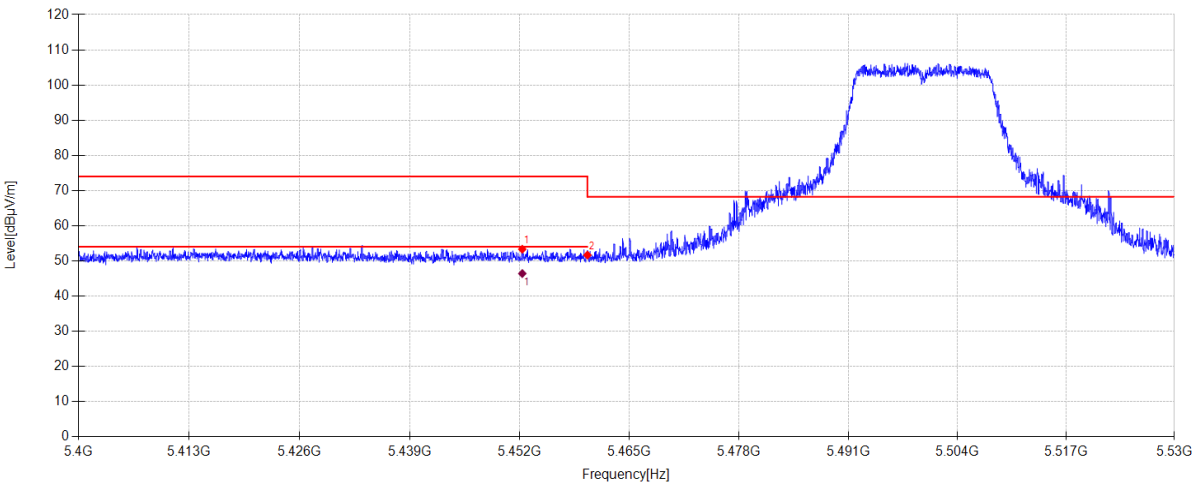
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Memo:

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	5452.286	44.44	33.00	5.48	-29.60	53.32	74.00	20.68	PK	Horizontal
2	5460.000	42.77	33.00	5.48	-29.60	51.65	68.20	16.55	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	5452.286	37.52	33.00	5.48	46.40	54	7.60	AV	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

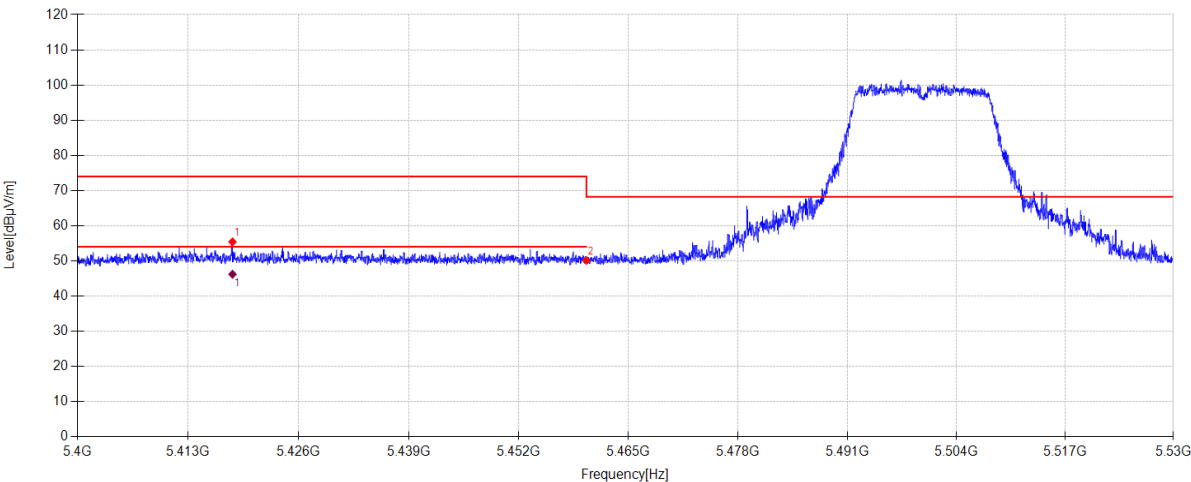
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Memo:

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	5418.213	46.49	33.06	5.46	-29.60	55.41	74.00	18.59	PK	Vertical
2	5460.000	41.25	33.00	5.48	-29.60	50.13	68.20	18.07	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	5418.213	37.28	33.06	5.46	46.20	54	7.80	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

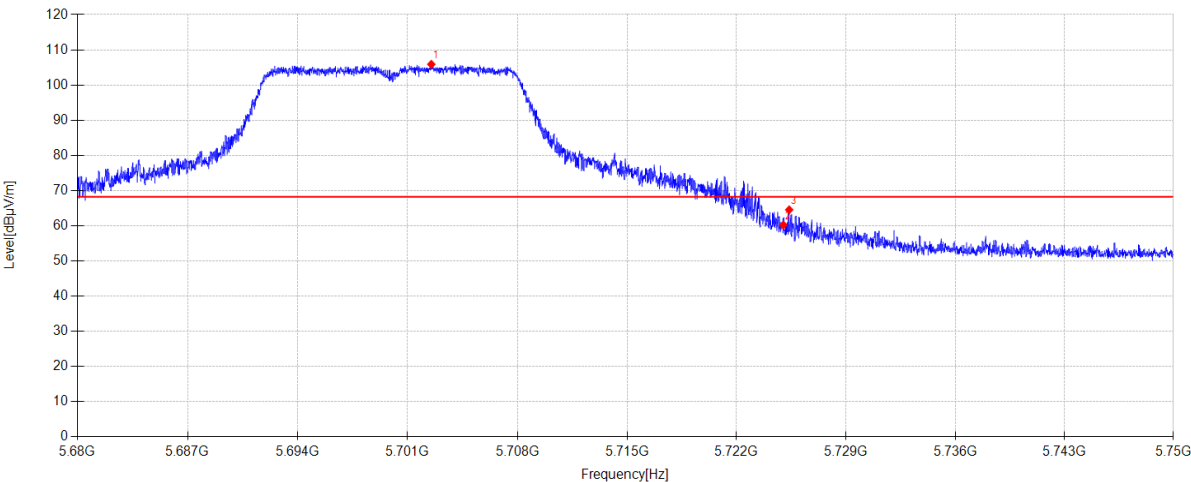
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Memo:

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	5702.512	96.23	33.62	5.64	-29.60	105.89	-	-	PK	Horizontal
2	5725.000	50.39	33.75	5.66	-29.60	60.20	68.20	8.00	PK	Horizontal
3	5725.367	54.72	33.75	5.66	-29.60	64.53	68.20	3.67	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

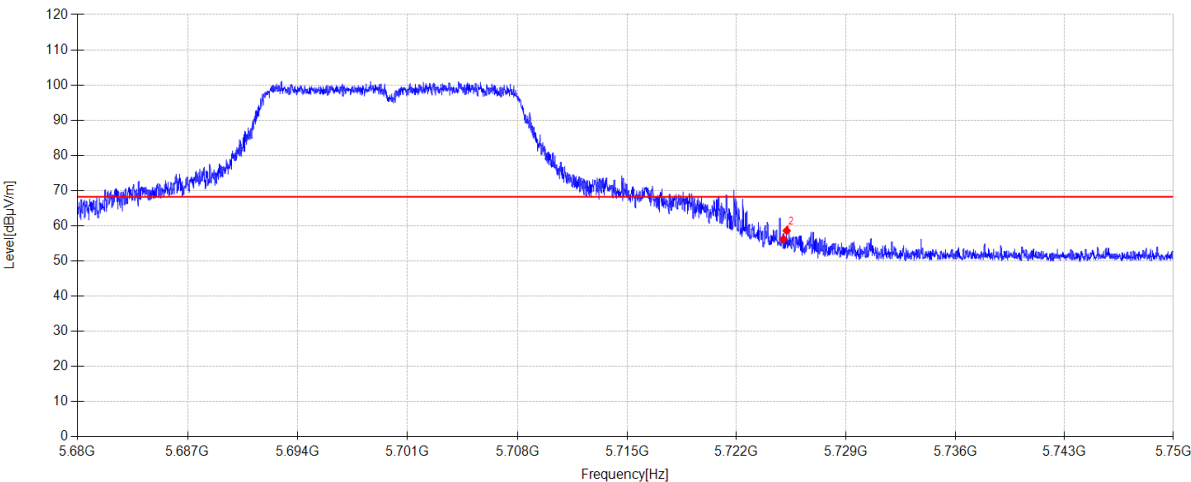
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Memo:

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	46.37	33.75	5.66	-29.60	56.18	68.20	12.02	PK	Vertical
2	5725.206	48.78	33.75	5.66	-29.60	58.59	68.20	9.61	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

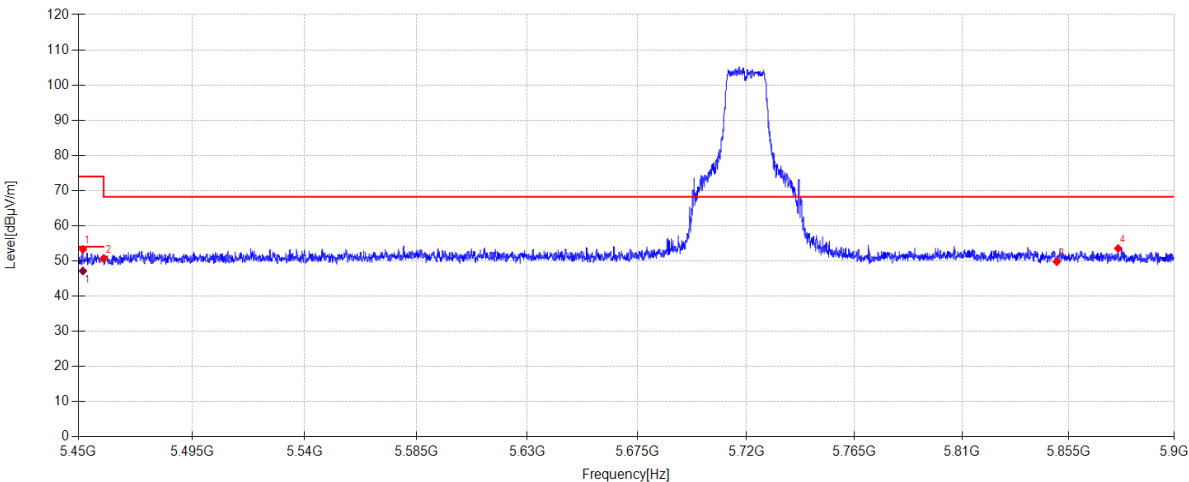
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Memo:

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	5451.800	44.41	33.00	5.48	-29.60	53.29	74.00	20.71	PK	Horizontal
2	5460.000	41.85	33.00	5.48	-29.60	50.73	68.20	17.47	PK	Horizontal
3	5850.000	39.63	34.00	5.74	-29.60	49.77	68.20	18.43	PK	Horizontal
4	5876.060	43.33	34.05	5.76	-29.60	53.54	68.20	14.66	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	5451.800	38.26	33.00	5.48	47.14	54	6.86	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 1300MK2 SUB

Test Mode:

11A 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

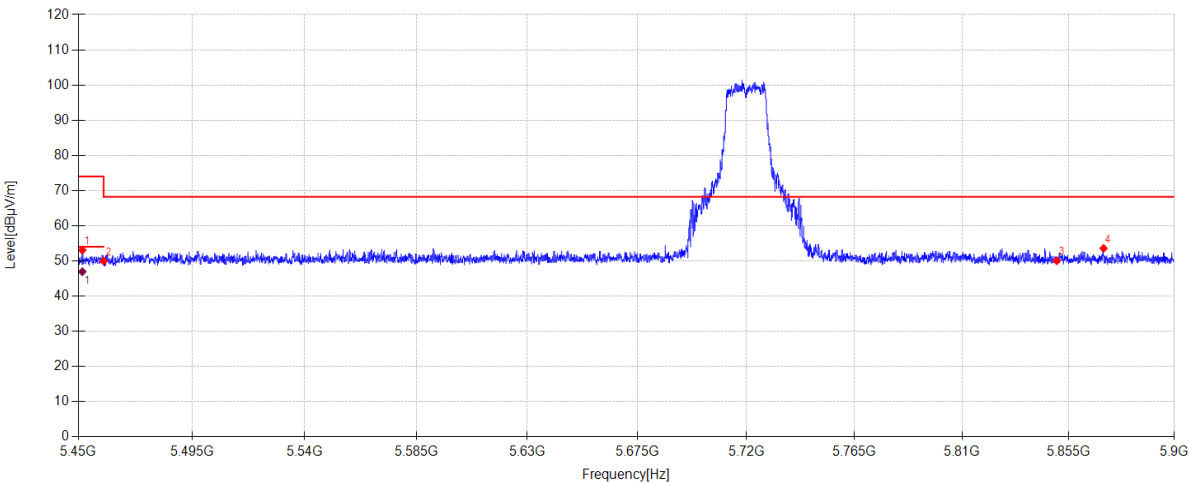
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Memo:

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	5451.575	44.19	33.00	5.48	-29.60	53.07	74.00	20.93	PK	Vertical
2	5460.000	41.11	33.00	5.48	-29.60	49.99	68.20	18.21	PK	Vertical
3	5850.000	39.91	34.00	5.74	-29.60	50.05	68.20	18.15	PK	Vertical
4	5869.850	43.37	34.04	5.75	-29.60	53.56	68.20	14.64	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	5451.575	38.04	33.00	5.48	46.92	54	7.08	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 1300MK2 SUB

Test Mode:

11AX20 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

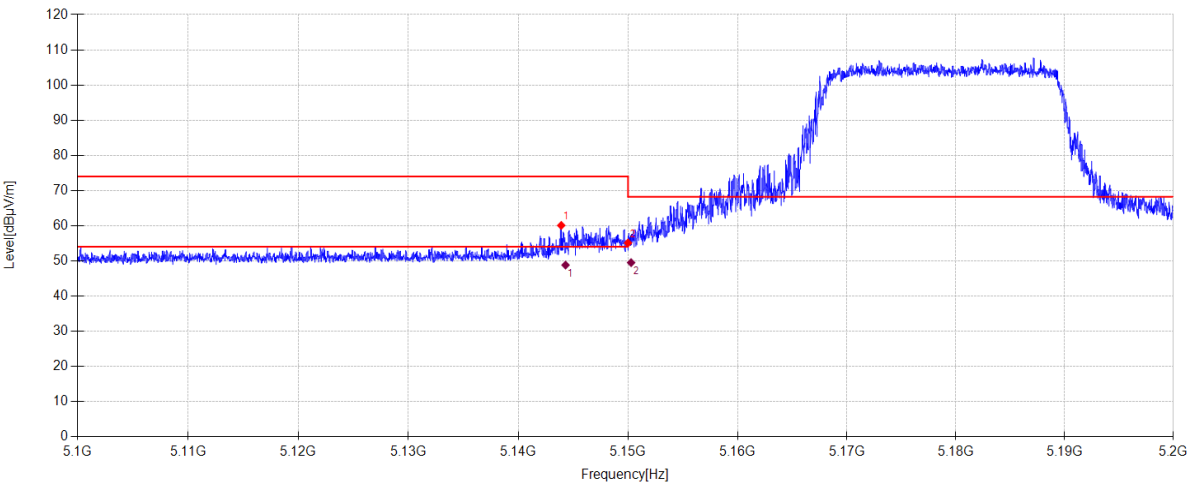
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Memo:

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	5143.910	51.02	33.40	5.27	-29.60	60.09	74.00	13.91	PK	Horizontal
2	5150.000	46.03	33.40	5.28	-29.60	55.11	68.20	13.09	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	5144.303	39.74	33.40	5.27	48.81	54	5.19	AV	Horizontal
2	5150.283	40.43	33.40	5.28	49.51	54	4.49	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 1300MK2 SUB

Test Mode:

11AX20 5180 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

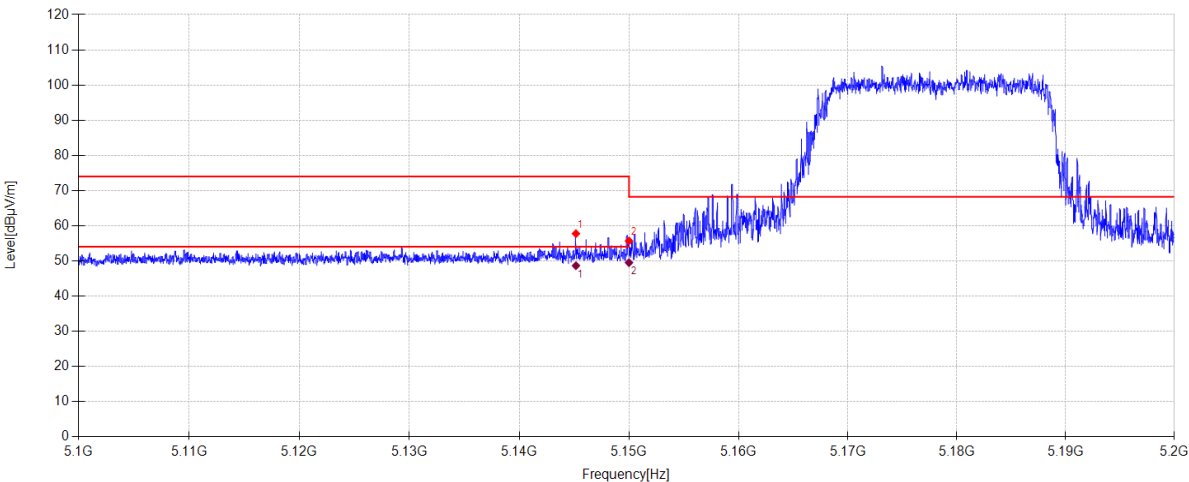
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Memo:

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	5145.160	48.68	33.40	5.28	-29.60	57.76	74.00	16.24	PK	Vertical
2	5150.000	46.60	33.40	5.28	-29.60	55.68	68.20	12.52	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	5145.160	39.56	33.40	5.28	48.64	54	5.36	AV	Vertical
2	5150.000	40.42	33.40	5.28	49.50	54	4.50	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 1300MK2 SUB

Test Mode:

11AX20 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

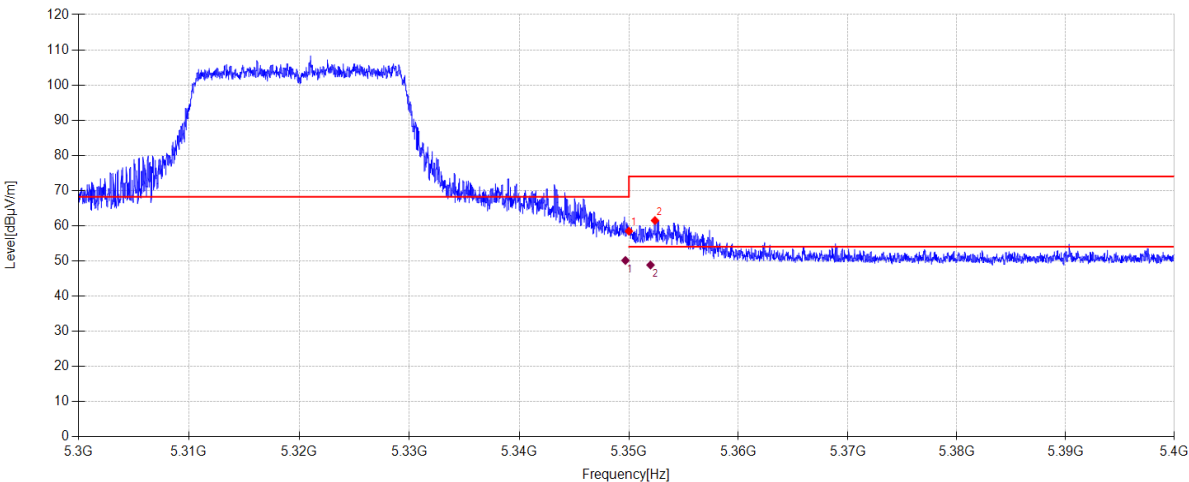
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Memo:

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	49.54	33.10	5.41	-29.60	58.45	68.20	9.75	PK	Horizontal
2	5352.380	52.56	33.10	5.41	-29.60	61.47	74.00	12.53	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	5349.682	41.21	33.10	5.41	50.12	54	3.88	AV	Horizontal	
2	5351.972	39.92	33.10	5.41	48.83	54	5.17	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 1300MK2 SUB

Test Mode:

11AX20 5320 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

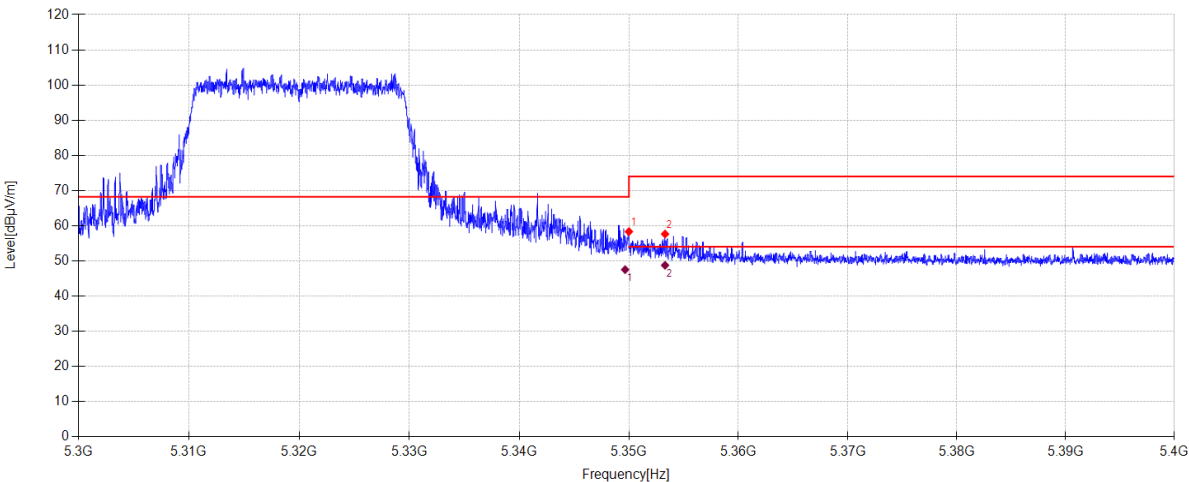
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Memo:

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	49.41	33.10	5.41	-29.60	58.32	68.20	9.88	PK	Vertical
2	5353.300	48.74	33.10	5.41	-29.60	57.65	74.00	16.35	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	5349.655	38.62	33.10	5.41	47.53	54	6.47	AV	Vertical	
2	5353.300	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

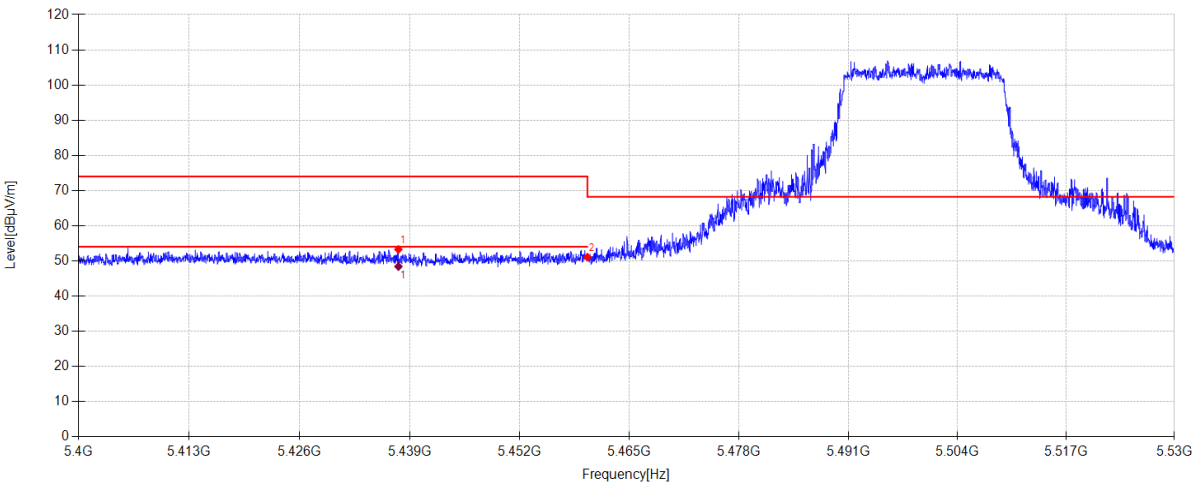
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Memo:

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	5437.648	44.37	33.02	5.47	-29.60	53.26	74.00	20.74	PK	Horizontal
2	5460.000	42.19	33.00	5.48	-29.60	51.07	68.20	17.13	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	5437.648	39.51	33.02	5.47	48.40	54	5.60	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 1300MK2 SUB

Test Mode:

11AX20 5500 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

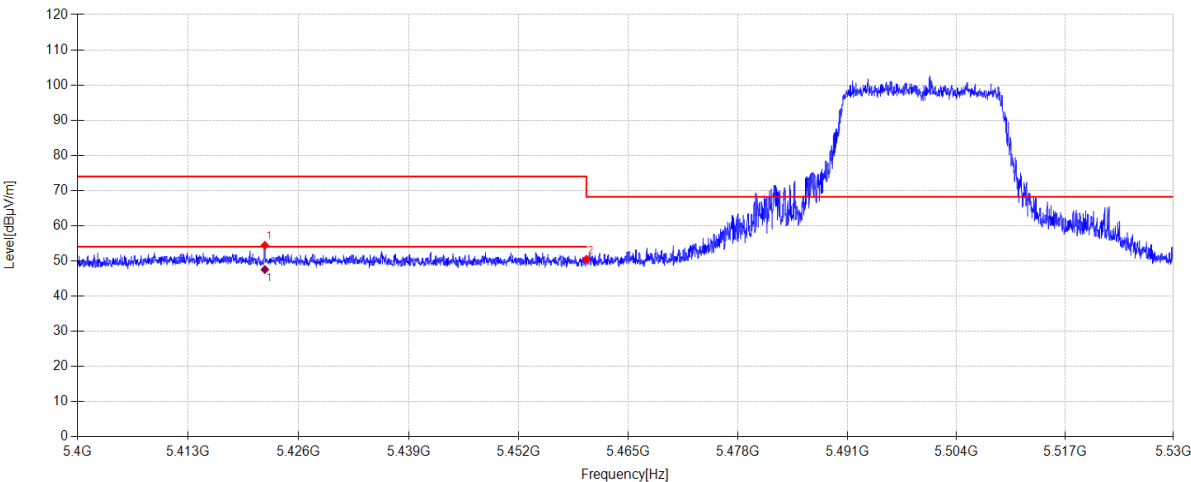
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d:\ts\2024 report data\BAR 1300 SUB\0120 5G SRD\8

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	5422.022	45.51	33.06	5.46	-29.60	54.43	74.00	19.57	PK	Vertical
2	5460.000	41.60	33.00	5.48	-29.60	50.48	68.20	17.72	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	5422.022	38.62	33.06	5.46	47.54	54	6.46	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 1300MK2 SUB

Test Mode:

11AX20 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

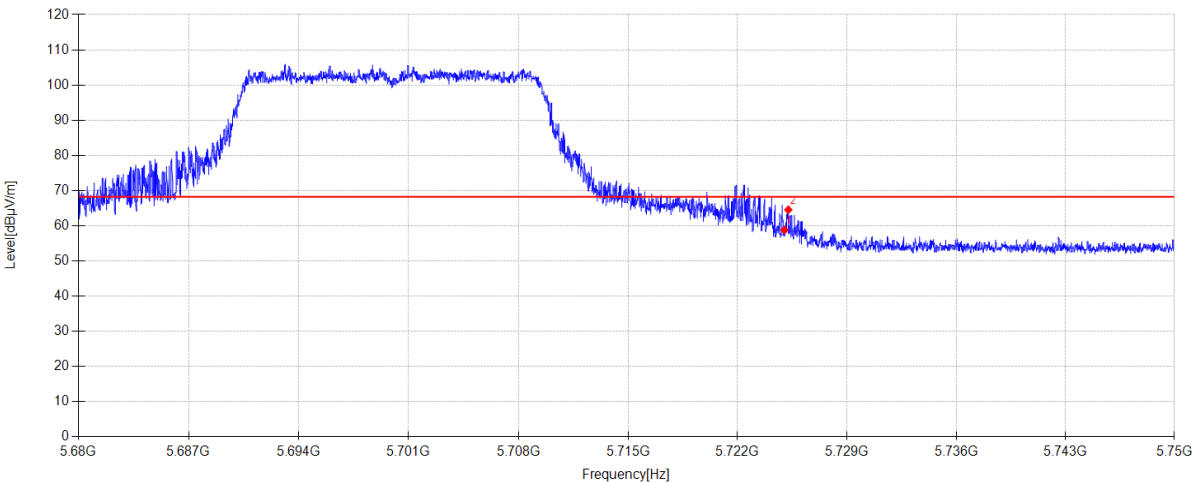
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Memo:

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	48.99	33.75	5.66	-29.60	58.80	68.20	9.40	PK	Horizontal
2	5725.248	54.72	33.75	5.66	-29.60	64.53	68.20	3.67	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5700 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

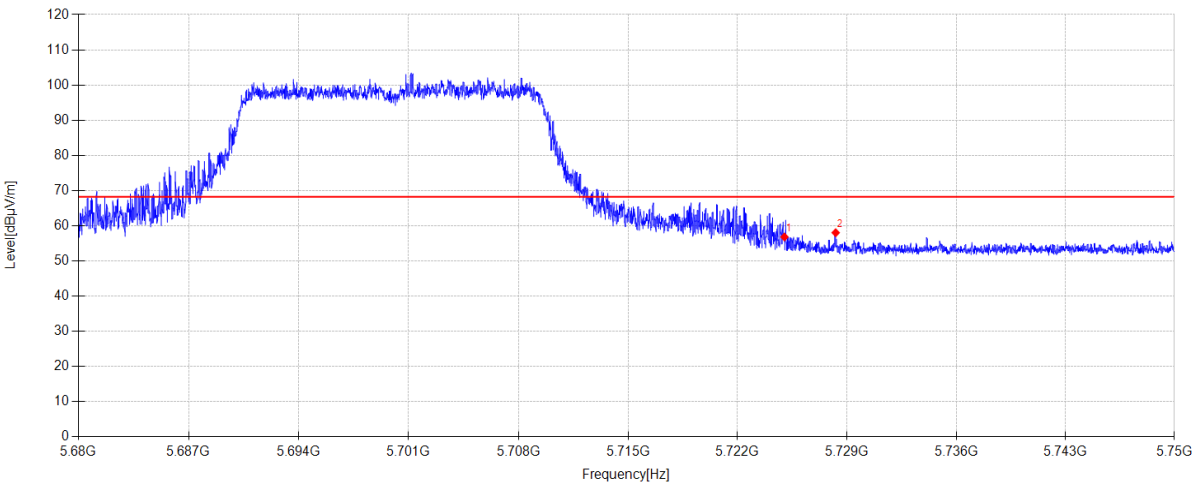
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Memo:

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	47.00	33.75	5.66	-29.60	56.81	68.20	11.39	PK	Vertical
2	5728.279	48.19	33.77	5.66	-29.60	58.02	68.20	10.18	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

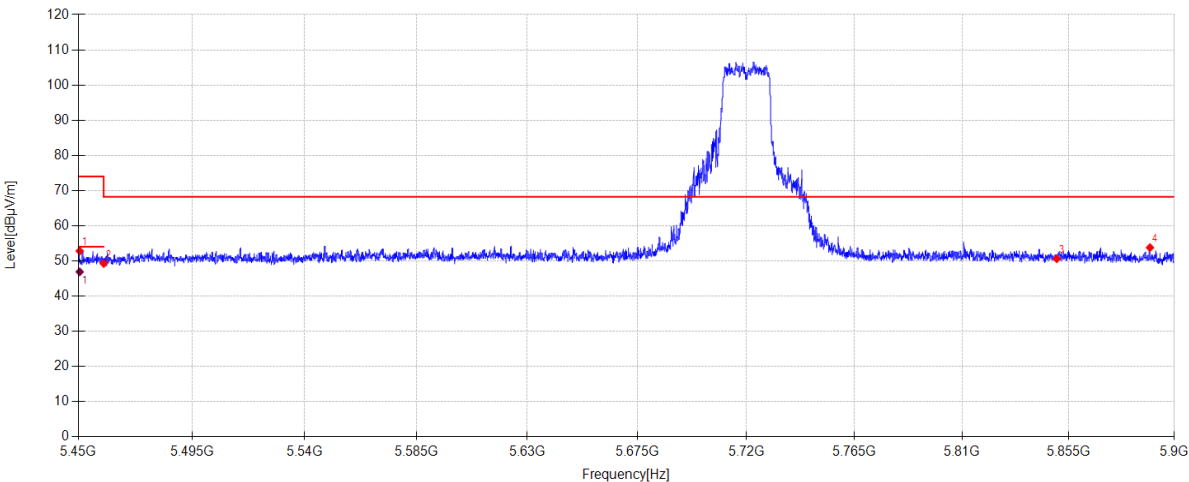
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Memo:

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	5450.540	43.94	33.00	5.48	-29.60	52.82	74.00	21.18	PK	Horizontal
2	5460.000	40.37	33.00	5.48	-29.60	49.25	68.20	18.95	PK	Horizontal
3	5850.000	40.47	34.00	5.74	-29.60	50.61	68.20	17.59	PK	Horizontal
4	5889.605	43.53	34.08	5.77	-29.60	53.78	68.20	14.42	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	5450.540	38.01	33.00	5.48	46.89	54	7.11	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 1300MK2 SUB

Test Mode:

11AX20 5720 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

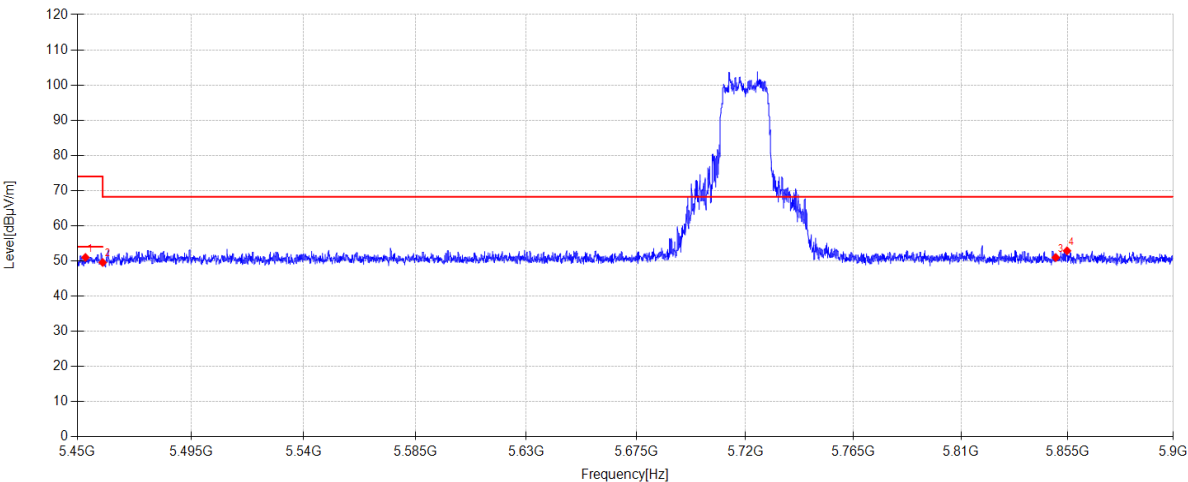
File Path:

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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	5453.195	42.12	33.00	5.48	-29.60	51.00	74.00	23.00	PK	Vertical
2	5460.000	40.68	33.00	5.48	-29.60	49.56	68.20	18.64	PK	Vertical
3	5850.000	40.82	34.00	5.74	-29.60	50.96	68.20	17.24	PK	Vertical
4	5854.775	42.72	34.01	5.74	-29.60	52.87	68.20	15.33	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

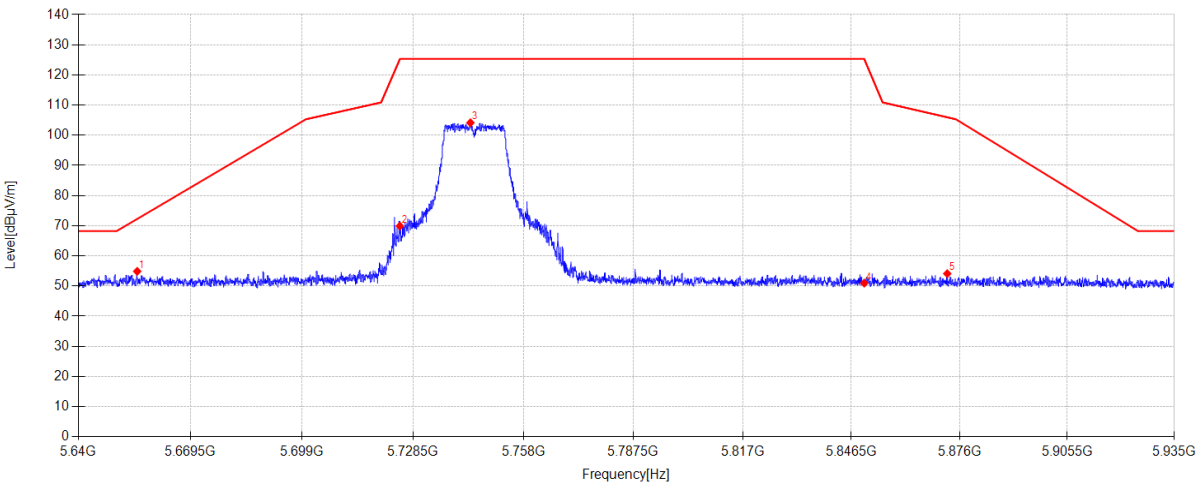
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Memo:

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	5655.458	45.44	33.42	5.61	-29.60	54.87	72.25	17.38	PK	Horizontal
2	5725.000	60.09	33.75	5.66	-29.60	69.90	125.30	55.40	PK	Horizontal
3	5743.811	94.22	33.86	5.67	-29.60	104.15	125.30	21.15	PK	Horizontal
4	5850.000	40.82	34.00	5.74	-29.60	50.96	125.30	74.34	PK	Horizontal
5	5872.637	43.89	34.05	5.76	-29.60	54.10	105.96	51.86	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

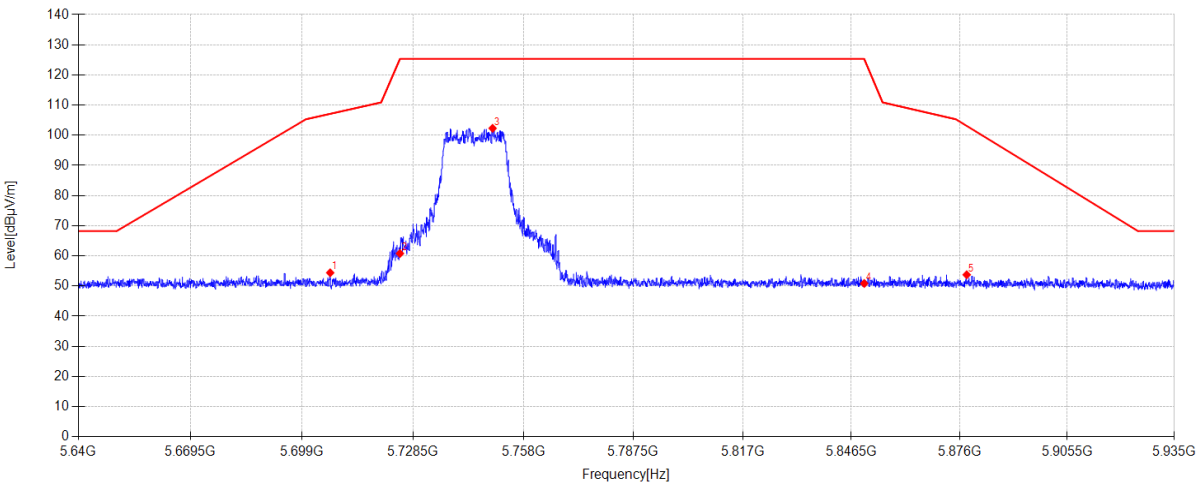
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Memo:

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	5706.464	44.72	33.64	5.65	-29.60	54.41	107.11	52.70	PK	Vertical
2	5725.000	50.98	33.75	5.66	-29.60	60.79	125.30	64.51	PK	Vertical
3	5749.740	92.35	33.90	5.67	-29.60	102.32	125.30	22.98	PK	Vertical
4	5850.000	40.71	34.00	5.74	-29.60	50.85	125.30	74.45	PK	Vertical
5	5877.947	43.51	34.06	5.76	-29.60	53.73	103.11	49.38	PK	Vertical

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

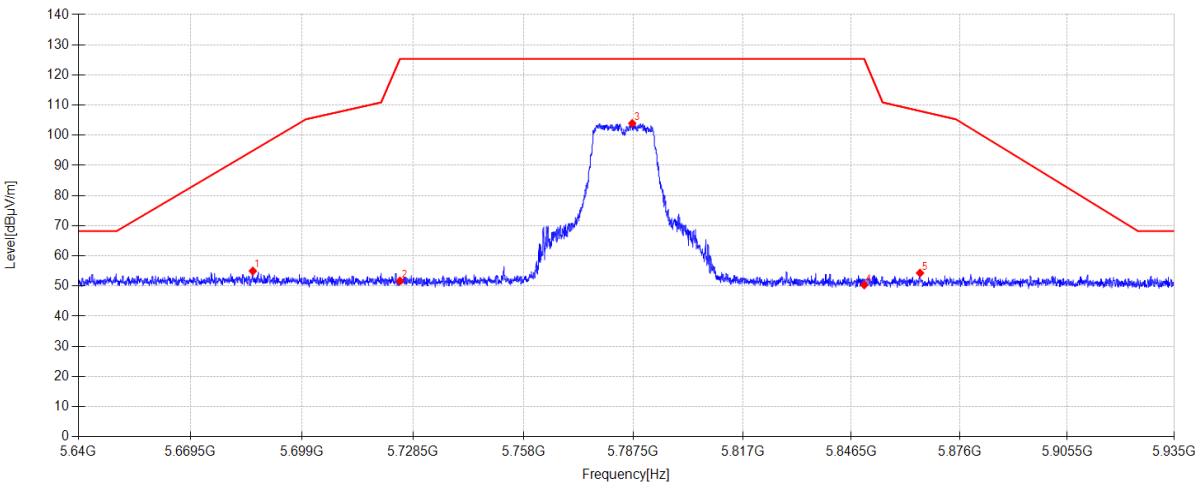
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Memo:

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	5685.961	45.42	33.54	5.63	-29.60	54.99	94.88	39.89	PK	Horizontal
2	5725.000	41.89	33.75	5.66	-29.60	51.70	125.30	73.60	PK	Horizontal
3	5787.205	93.74	34.12	5.70	-29.60	103.96	125.30	21.34	PK	Horizontal
4	5850.000	40.22	34.00	5.74	-29.60	50.36	125.30	74.94	PK	Horizontal
5	5865.203	44.14	34.03	5.75	-29.60	54.32	108.04	53.72	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

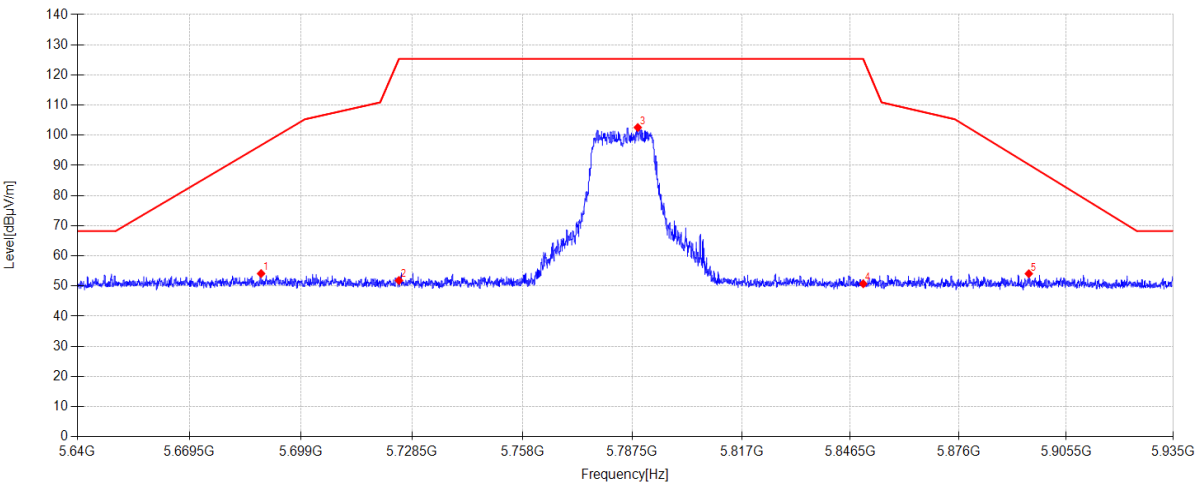
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Memo:

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	5688.410	44.55	33.55	5.63	-29.60	54.13	96.70	42.57	PK	Vertical
2	5725.000	42.03	33.75	5.66	-29.60	51.84	125.30	73.46	PK	Vertical
3	5788.975	92.35	34.13	5.70	-29.60	102.58	125.30	22.72	PK	Vertical
4	5850.000	40.61	34.00	5.74	-29.60	50.75	125.30	74.55	PK	Vertical
5	5895.234	43.83	34.09	5.77	-29.60	54.09	90.29	36.20	PK	Vertical

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

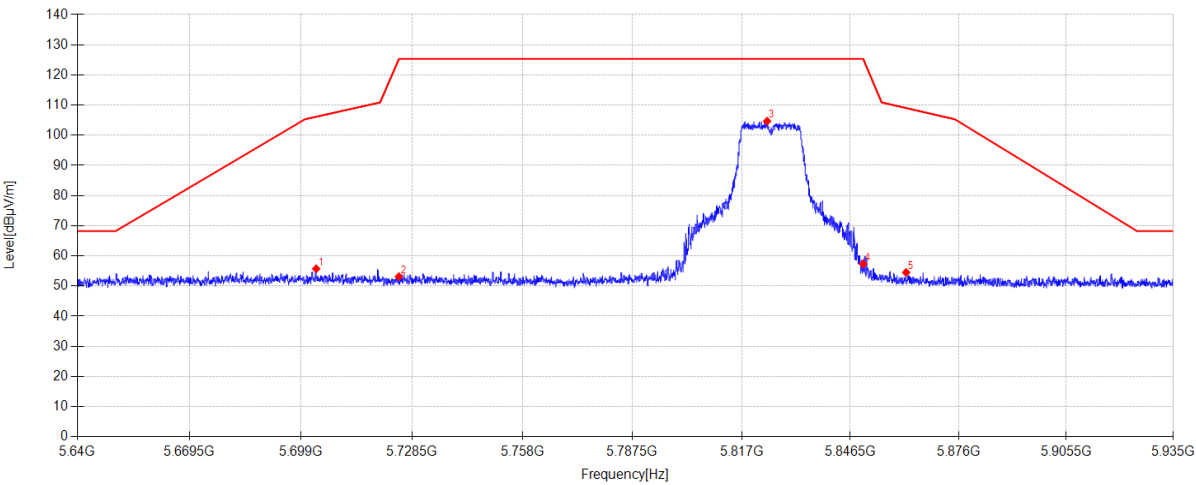
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Memo:

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	5703.012	46.06	33.62	5.64	-29.60	55.72	106.14	50.42	PK	Horizontal
2	5725.000	43.32	33.75	5.66	-29.60	53.13	125.30	72.17	PK	Horizontal
3	5823.903	94.46	34.10	5.72	-29.60	104.68	125.30	20.62	PK	Horizontal
4	5850.000	47.21	34.00	5.74	-29.60	57.35	125.30	67.95	PK	Horizontal
5	5861.693	44.33	34.02	5.75	-29.60	54.50	109.03	54.53	PK	Horizontal

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11A 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

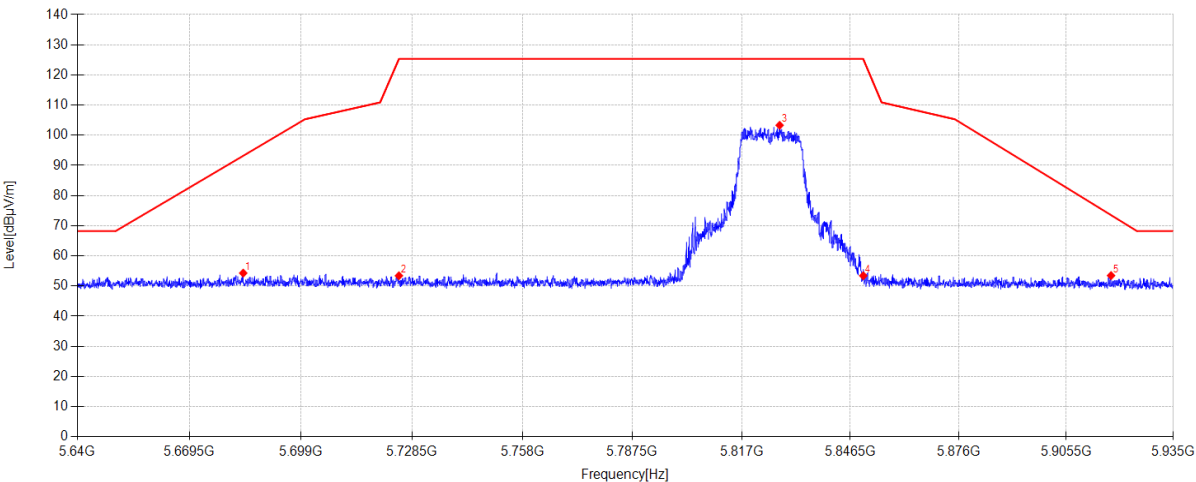
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Memo:

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	5683.690	44.72	33.53	5.63	-29.60	54.28	93.20	38.92	PK	Vertical
2	5725.000	43.60	33.75	5.66	-29.60	53.41	125.30	71.89	PK	Vertical
3	5827.296	93.09	34.09	5.73	-29.60	103.31	125.30	21.99	PK	Vertical
4	5850.000	43.28	34.00	5.74	-29.60	53.42	125.30	71.88	PK	Vertical
5	5917.831	43.14	34.14	5.79	-29.60	53.47	73.52	20.05	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

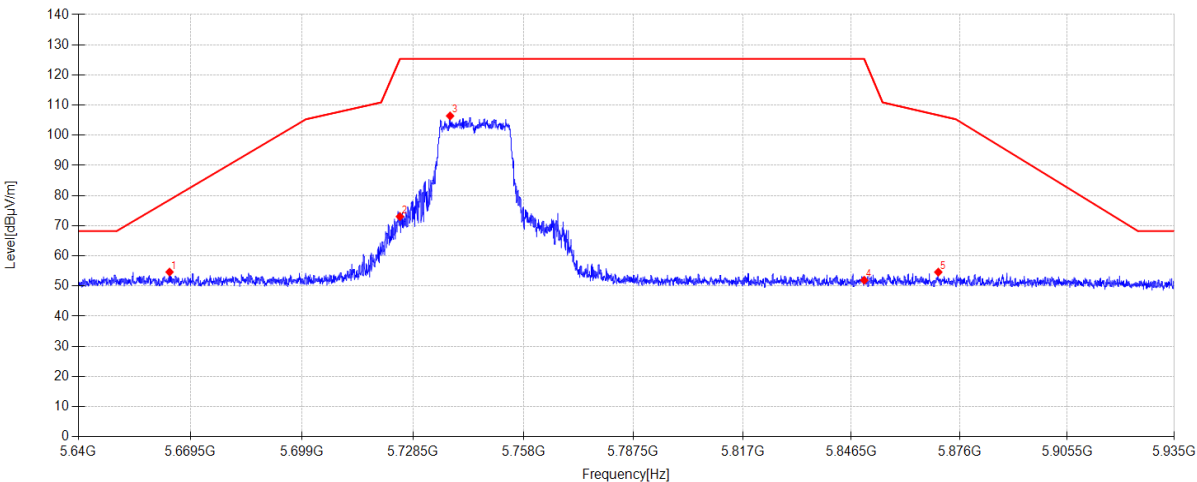
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Memo:

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	5663.984	45.17	33.46	5.62	-29.60	54.65	78.58	23.93	PK	Horizontal
2	5725.000	63.24	33.75	5.66	-29.60	73.05	125.30	52.25	PK	Horizontal
3	5738.383	96.51	33.83	5.67	-29.60	106.41	125.30	18.89	PK	Horizontal
4	5850.000	41.78	34.00	5.74	-29.60	51.92	125.30	73.38	PK	Horizontal
5	5870.189	44.41	34.04	5.75	-29.60	54.60	106.65	52.05	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5745 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

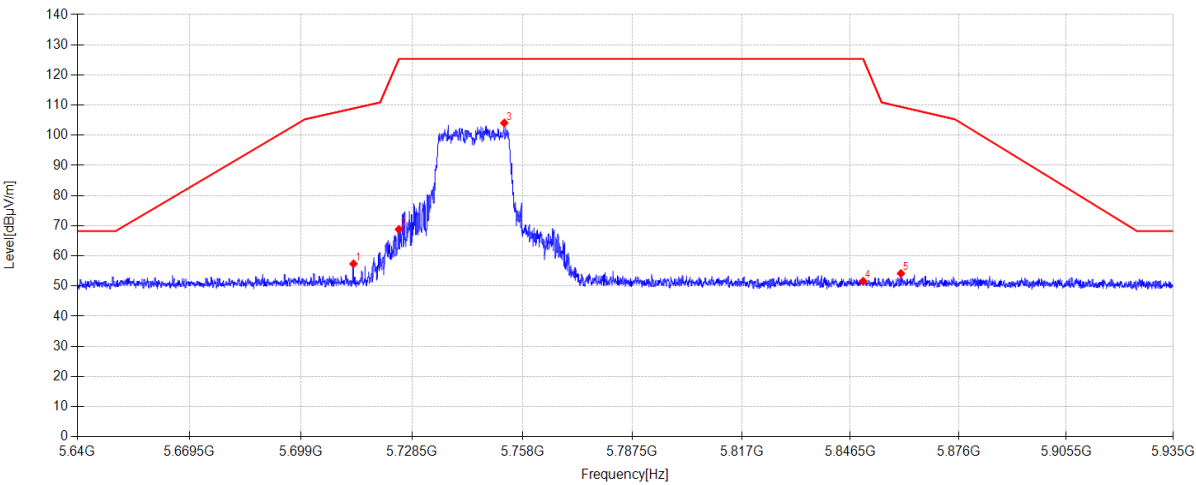
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Memo:

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	5712.924	47.64	33.68	5.65	-29.60	57.37	108.92	51.55	PK	Vertical
2	5725.000	58.98	33.75	5.66	-29.60	68.79	125.30	56.51	PK	Vertical
3	5753.133	94.07	33.92	5.68	-29.60	104.07	125.30	21.23	PK	Vertical
4	5850.000	41.44	34.00	5.74	-29.60	51.58	125.30	73.72	PK	Vertical
5	5860.277	43.99	34.02	5.75	-29.60	54.16	109.42	55.26	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

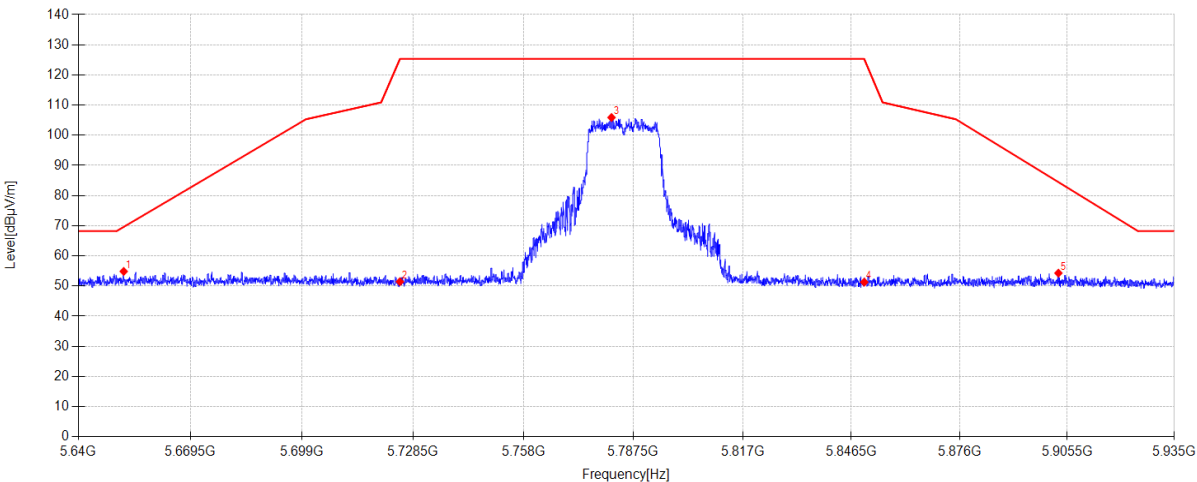
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d:\ts\2024 report data\BAR 1300 SUB\0120 5G SRD\15

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	5651.918	45.43	33.41	5.61	-29.60	54.85	69.62	14.77	PK	Horizontal
2	5725.000	41.63	33.75	5.66	-29.60	51.44	125.30	73.86	PK	Horizontal
3	5781.630	95.71	34.09	5.70	-29.60	105.90	125.30	19.40	PK	Horizontal
4	5850.000	41.15	34.00	5.74	-29.60	51.29	125.30	74.01	PK	Horizontal
5	5903.081	43.99	34.11	5.78	-29.60	54.28	84.46	30.18	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5785 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

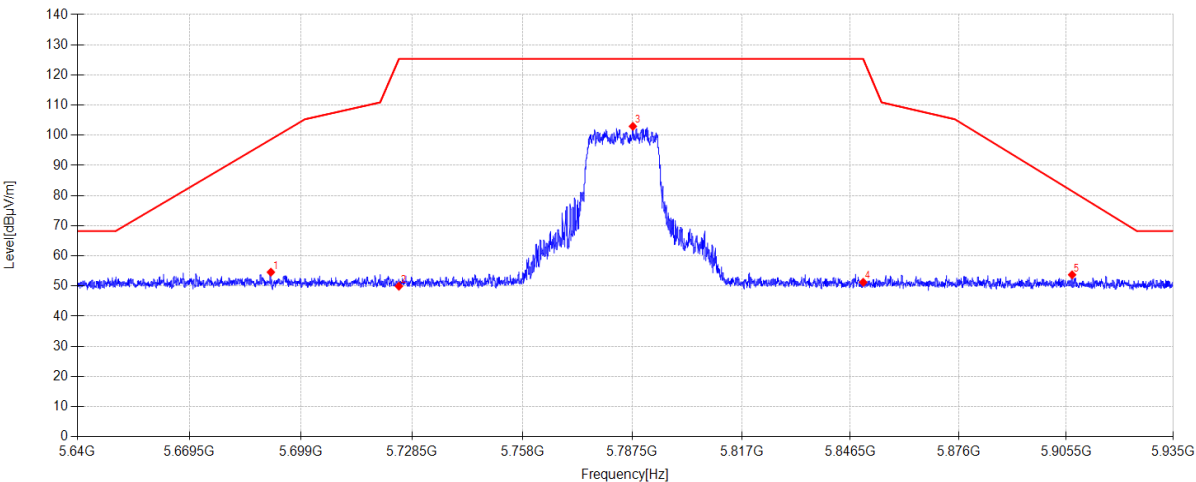
File Path:

d:\ts\2024 report data\BAR 1300 SUB\0120 5G SRD\16

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	5691.006	44.99	33.56	5.64	-29.60	54.59	98.63	44.04	PK	Vertical
2	5725.000	40.13	33.75	5.66	-29.60	49.94	125.30	75.36	PK	Vertical
3	5787.648	92.73	34.13	5.70	-29.60	102.96	125.30	22.34	PK	Vertical
4	5850.000	41.11	34.00	5.74	-29.60	51.25	125.30	74.05	PK	Vertical
5	5907.123	43.44	34.11	5.78	-29.60	53.73	81.47	27.74	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

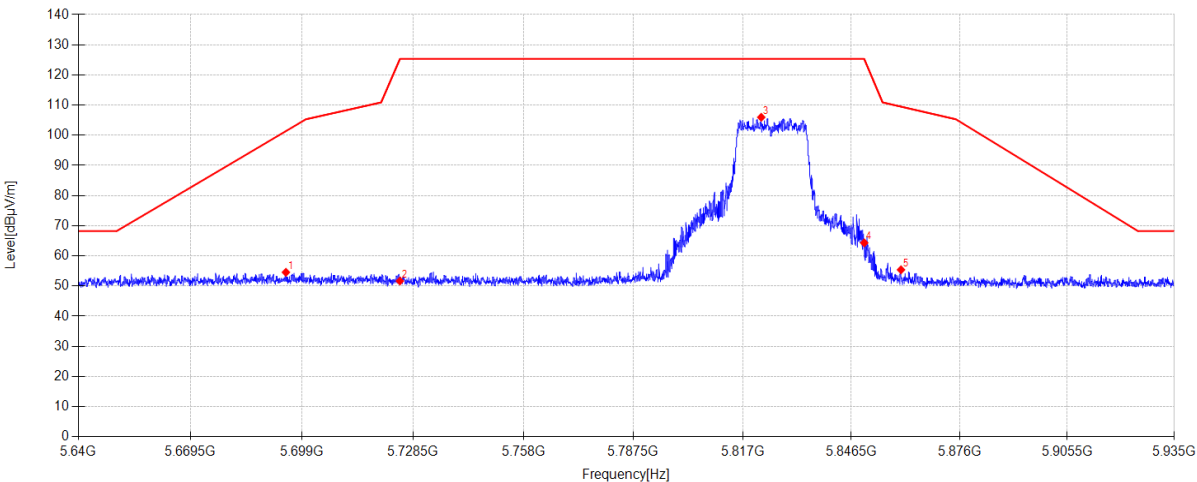
File Path:

d:\ts\2024 report data\BAR 1300 SUB\0120 5G SRD\17

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	5694.723	44.93	33.58	5.64	-29.60	54.55	101.38	46.83	PK	Horizontal
2	5725.000	41.86	33.75	5.66	-29.60	51.67	125.30	73.63	PK	Horizontal
3	5822.045	95.74	34.11	5.72	-29.60	105.97	125.30	19.33	PK	Horizontal
4	5850.000	54.18	34.00	5.74	-29.60	64.32	125.30	60.98	PK	Horizontal
5	5860.011	45.22	34.02	5.75	-29.60	55.39	109.50	54.11	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:

2025-01-20

Tested By:

Lin Guoyuan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 1300MK2 SUB

Test Mode:

11AX20 5825 MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:47.4%

Test Site:

DDT 3# Chamber

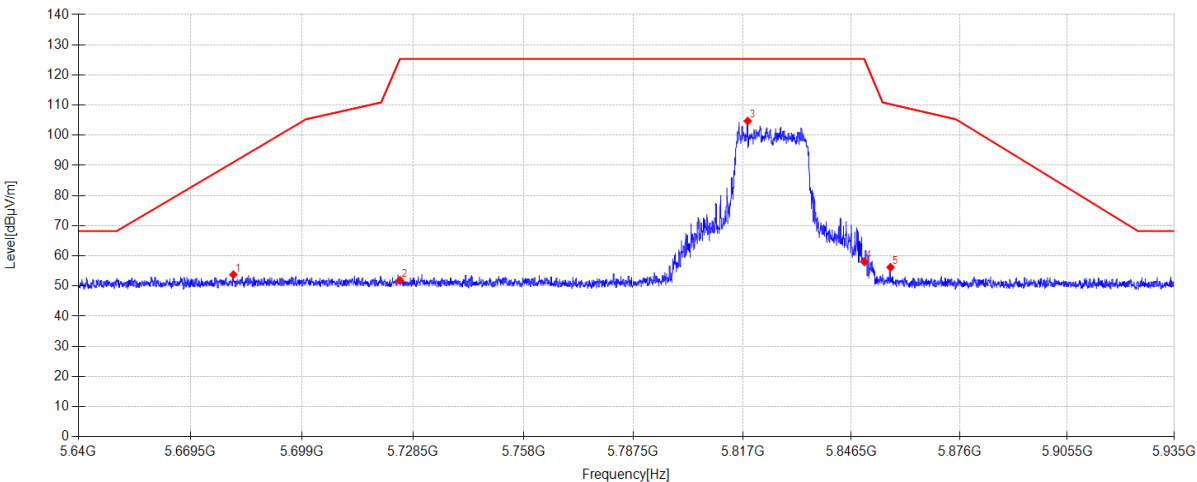
File Path:

d:\ts\2024 report data\BAR 1300 SUB\0120 5G SRD\18

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	5680.828	44.23	33.52	5.63	-29.60	53.78	91.07	37.29	PK	Vertical
2	5725.000	42.09	33.75	5.66	-29.60	51.90	125.30	73.40	PK	Vertical
3	5818.387	94.46	34.13	5.72	-29.60	104.71	125.30	20.59	PK	Vertical
4	5850.000	47.97	34.00	5.74	-29.60	58.11	125.30	67.19	PK	Vertical
5	5857.150	46.06	34.01	5.75	-29.60	56.22	110.30	54.08	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.

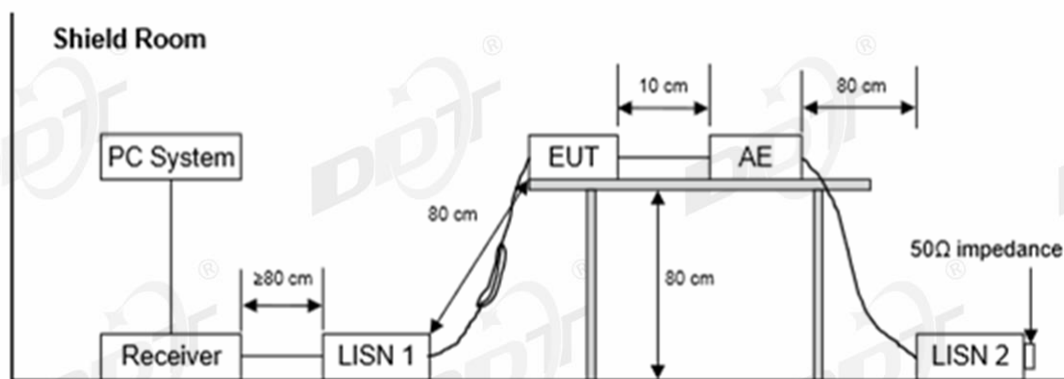
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

15. Power Line Conducted Emissions

15.1. Test equipment

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

15.2. Block diagram of test setup



15.3. 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.

15.4. Assistant equipment used for test

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

15.5. 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.

15.6. 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.

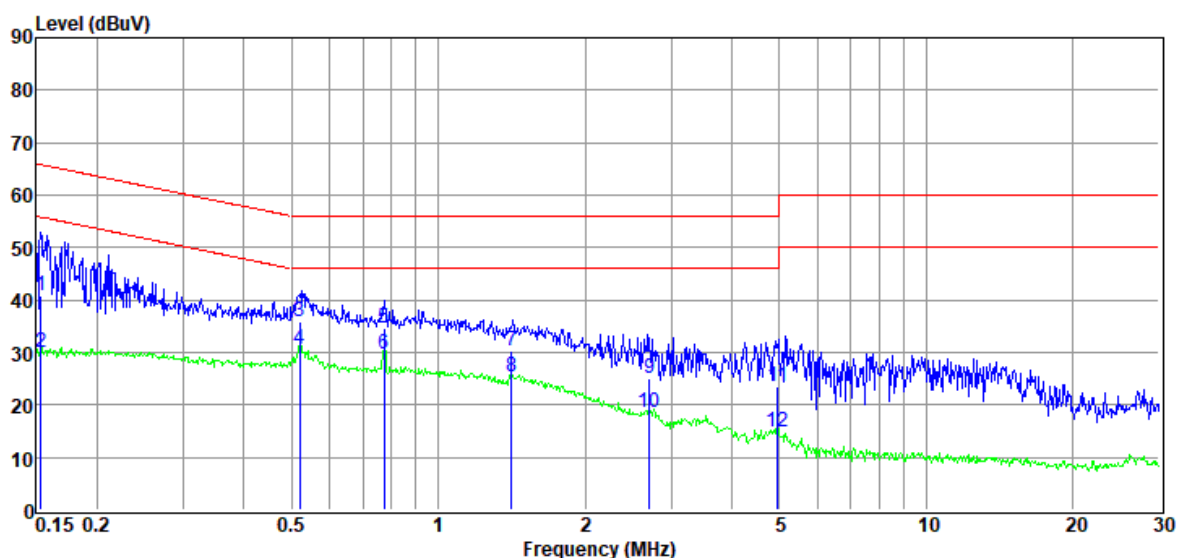
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

15.7. 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 1300MK2 SUB
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: 58



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	20.83	9.93	0.09	10.06	40.91	65.82	-24.91	QP	LINE
2	0.15	9.94	9.93	0.09	10.06	30.02	55.82	-25.80	Average	LINE
3	0.52	15.72	9.98	0.10	10.07	35.87	56.00	-20.13	QP	LINE
4	0.52	10.54	9.98	0.10	10.07	30.69	46.00	-15.31	Average	LINE
5	0.78	14.46	9.97	0.10	10.06	34.59	56.00	-21.41	QP	LINE
6	0.78	9.43	9.97	0.10	10.06	29.56	46.00	-16.44	Average	LINE
7	1.41	10.15	9.99	0.13	10.05	30.32	56.00	-25.68	QP	LINE
8	1.41	5.32	9.99	0.13	10.05	25.49	46.00	-20.51	Average	LINE
9	2.71	4.73	9.97	0.16	10.06	24.92	56.00	-31.08	QP	LINE
10	2.71	-1.72	9.97	0.16	10.06	18.47	46.00	-27.53	Average	LINE
11	4.95	3.50	9.89	0.19	10.06	23.64	56.00	-32.36	QP	LINE
12	4.95	-5.43	9.89	0.19	10.06	14.71	46.00	-31.29	Average	LINE

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

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

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

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

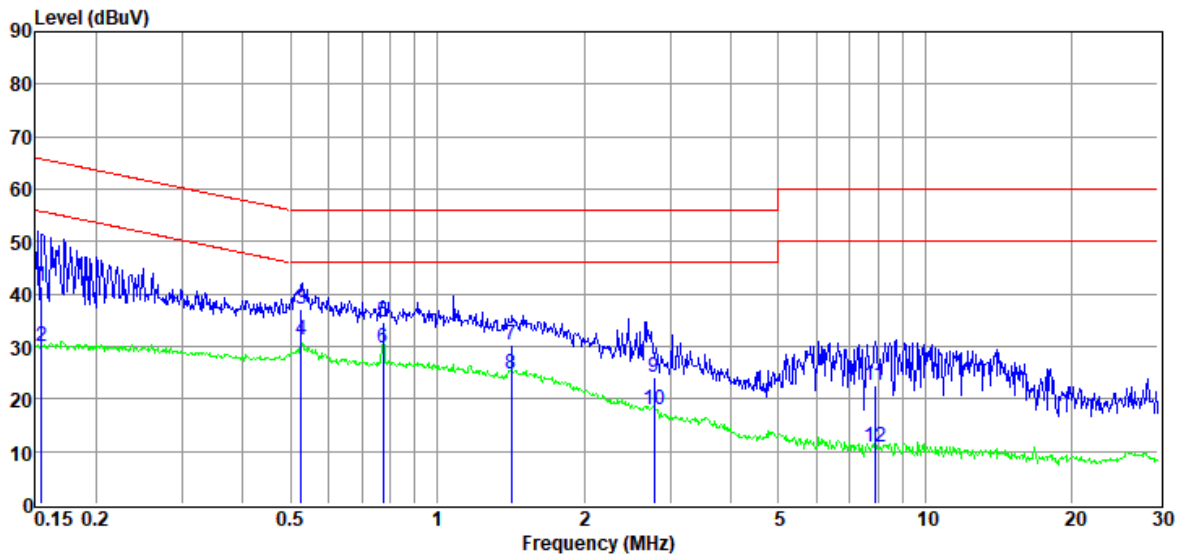
TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\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 1300MK2 SUB**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: 60



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	21.24	9.93	0.09	10.06	41.32	65.74	-24.42	QP	NEUTRAL
2	0.15	9.90	9.93	0.09	10.06	29.98	55.74	-25.76	Average	NEUTRAL
3	0.53	16.98	9.98	0.10	10.07	37.13	56.00	-18.87	QP	NEUTRAL
4	0.53	10.95	9.98	0.10	10.07	31.10	46.00	-14.90	Average	NEUTRAL
5	0.78	14.53	9.97	0.10	10.06	34.66	56.00	-21.34	QP	NEUTRAL
6	0.78	9.54	9.97	0.10	10.06	29.67	46.00	-16.33	Average	NEUTRAL
7	1.42	10.11	9.97	0.13	10.06	30.27	56.00	-25.73	QP	NEUTRAL
8	1.42	4.71	9.97	0.13	10.06	24.87	46.00	-21.13	Average	NEUTRAL
9	2.78	3.83	10.03	0.16	10.06	24.08	56.00	-31.92	QP	NEUTRAL
10	2.78	-2.38	10.03	0.16	10.06	17.87	46.00	-28.13	Average	NEUTRAL
11	7.89	2.42	10.03	0.22	10.06	22.73	60.00	-37.27	QP	NEUTRAL
12	7.89	-9.51	10.03	0.22	10.06	10.80	50.00	-39.20	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.

17. Photos of the EUT

Please refer to DDT-Q24111520-2E appendix I

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