

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11N20 MIMO 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

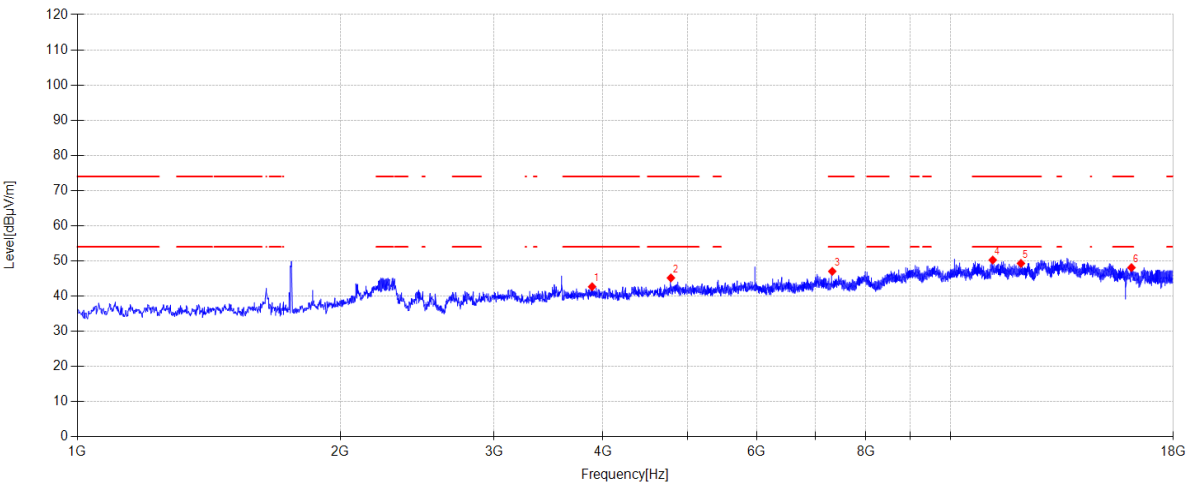
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\26

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3886.600	46.12	31.12	5.07	-39.65	42.66	74.00	31.34	PK	Vertical
2	4784.200	46.82	32.44	5.52	-39.62	45.16	74.00	28.84	PK	Vertical
3	7322.300	44.27	36.86	6.61	-40.71	47.03	74.00	26.97	PK	Vertical
4	11179.600	41.97	39.22	8.24	-39.18	50.25	74.00	23.75	PK	Vertical
5	12043.200	41.27	39.24	8.78	-39.99	49.30	74.00	24.70	PK	Vertical
6	16118.100	39.51	37.88	10.17	-39.48	48.08	74.00	25.92	PK	Vertical

Note:

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

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

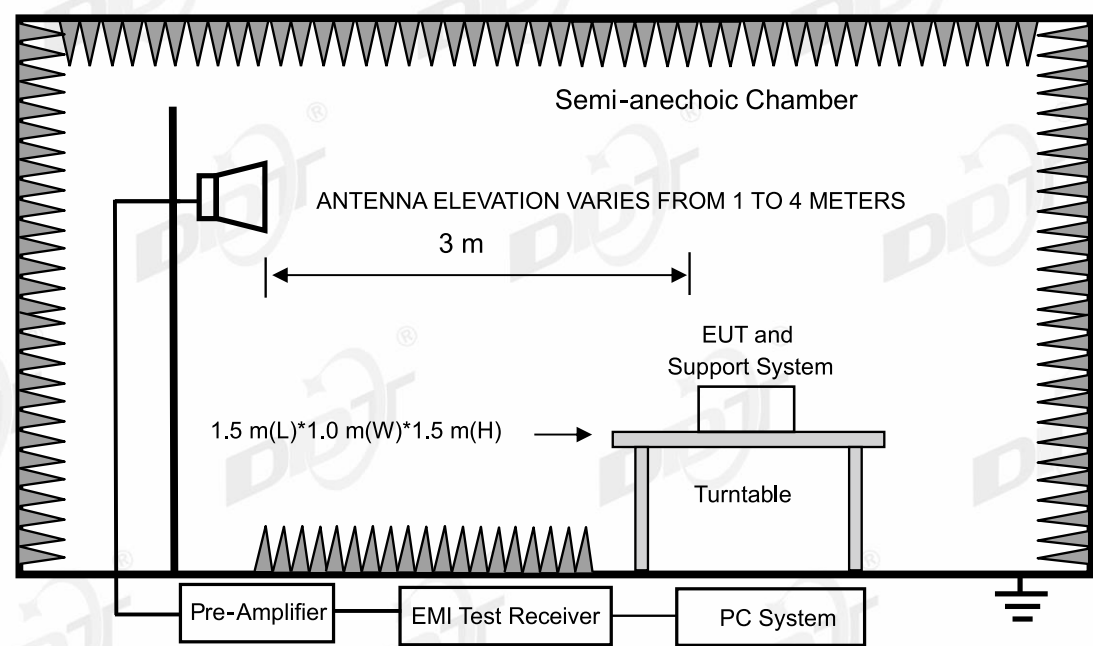
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11	2 Year
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31	1 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11	2 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18	2 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/08/25	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31	1 Year

13.2. Block diagram of test setup



13.3. Limits

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

13.4. Assistant equipment used for test

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

13.5. Test procedure

Same with Radiated Emission except change investigated frequency range.
Remark: All restriction band have been tested, and only the worst case is shown in report.

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT1 11B 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

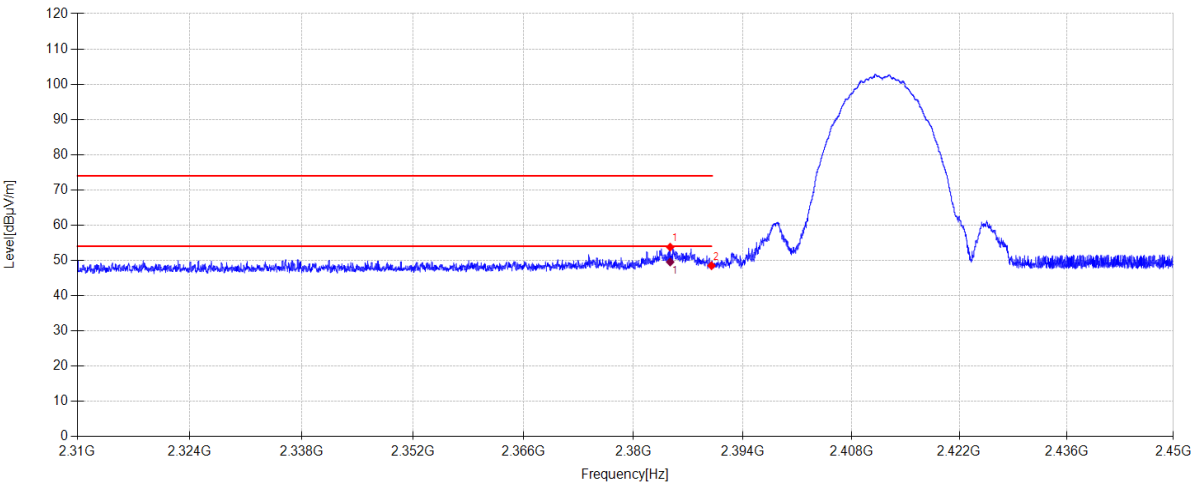
DDT 3# Chamber

File Path:

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Memo:

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	2384.704	22.96	27.24	3.57	0.00	53.77	74.00	20.23	PK	Horizontal
2	2390.000	17.67	27.26	3.57	0.00	48.50	74.00	25.50	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	2384.704	18.73	27.24	3.57	49.54	54.00	4.46	AV	Horizontal

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

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

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

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ANT1 11B 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

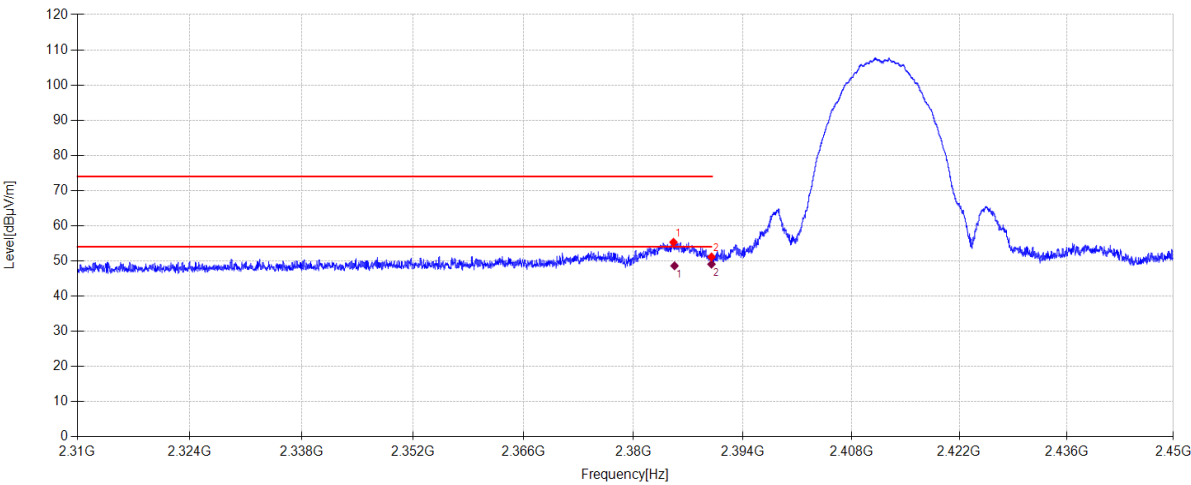
DDT 3# Chamber

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Memo:

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	2385.124	24.49	27.24	3.57	0.00	55.30	74.00	18.70	PK	Vertical
2	2390.000	20.30	27.26	3.57	0.00	51.13	74.00	22.87	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	2385.258	17.80	27.24	3.57	48.61	54.00	5.39	AV	Vertical	
2	2390.000	18.24	27.26	3.57	49.07	54.00	4.93	AV	Vertical	

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT2 11B 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

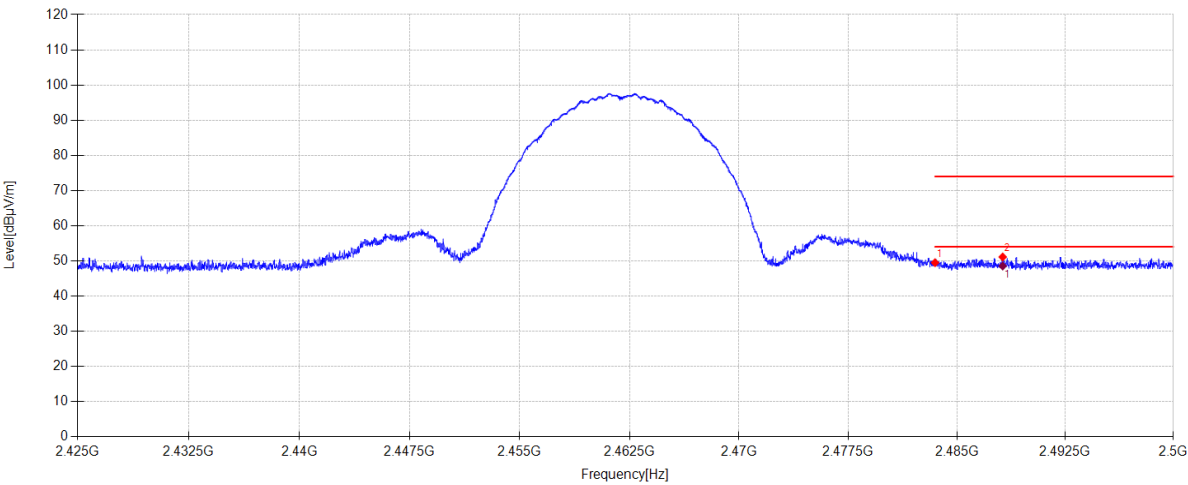
DDT 3# Chamber

File Path:

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Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	18.34	27.53	3.62	0.00	49.49	74.00	24.51	PK	Horizontal
2	2488.173	19.94	27.55	3.62	0.00	51.11	74.00	22.89	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	2488.173	17.38	27.55	3.62	48.55	54.00	5.45	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.

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Model Number:

BAR 800MK2

Test Mode:

ANT2 11B 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

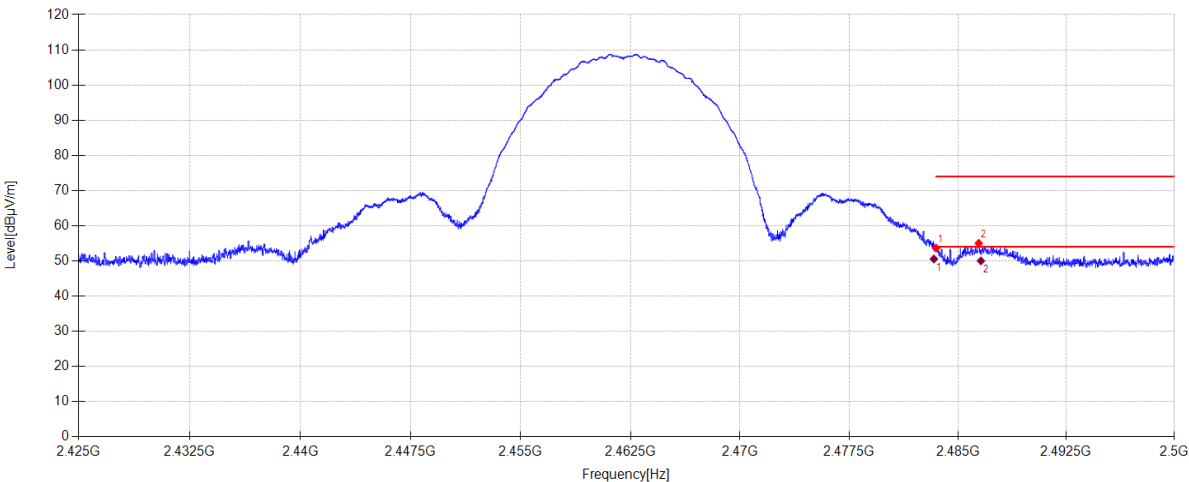
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Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	22.48	27.53	3.62	0.00	53.63	74.00	20.37	PK	Vertical
2	2486.448	23.84	27.55	3.62	0.00	55.01	74.00	18.99	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	2483.351	19.40	27.53	3.62	50.55	54.00	3.45	AV	Vertical
2	2486.598	18.83	27.55	3.62	50.00	54.00	4.00	AV	Vertical

Note:

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

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

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

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Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT1 11B 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

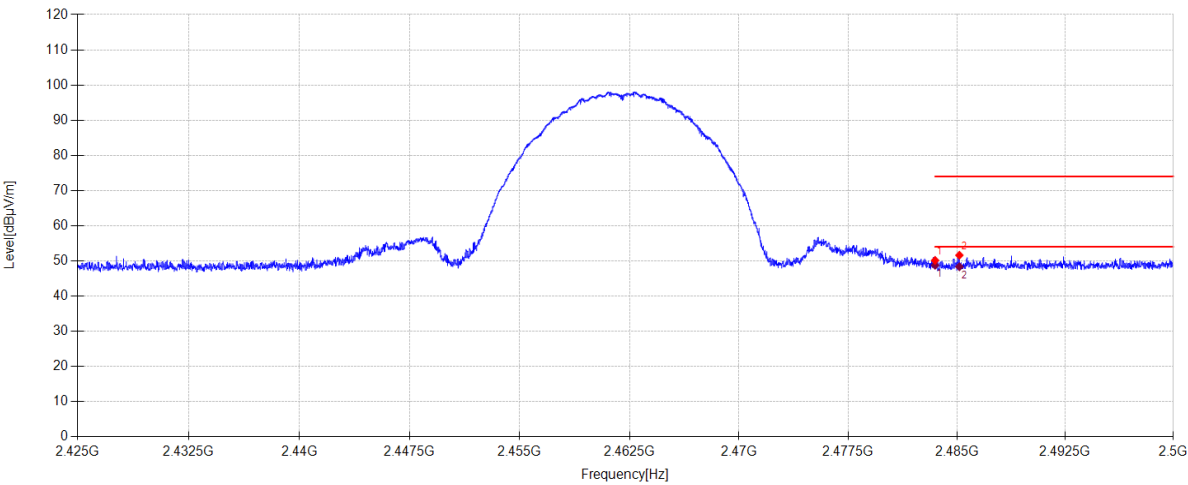
DDT 3# Chamber

File Path:

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Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	19.00	27.53	3.62	0.00	50.15	74.00	23.85	PK	Horizontal
2	2485.180	20.45	27.54	3.62	0.00	51.61	74.00	22.39	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	2483.500	17.62	27.53	3.62	48.77	54.00	5.23	AV	Horizontal	
2	2485.180	17.18	27.54	3.62	48.34	54.00	5.66	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.

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Test Date:

2024-12-16

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Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT1 11B 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

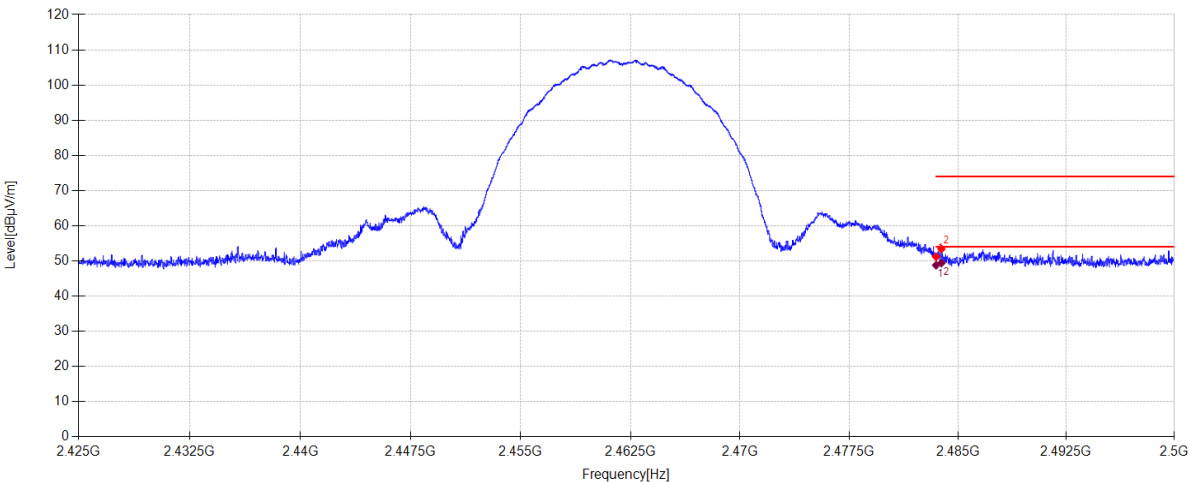
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Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	20.04	27.53	3.62	0.00	51.19	74.00	22.81	PK	Vertical
2	2483.868	22.22	27.54	3.62	0.00	53.38	74.00	20.62	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	2483.500	17.62	27.53	3.62	48.77	54.00	5.23	AV	Vertical
2	2483.868	18.24	27.54	3.62	49.40	54.00	4.60	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.

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Test Date:

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EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT2 11B 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

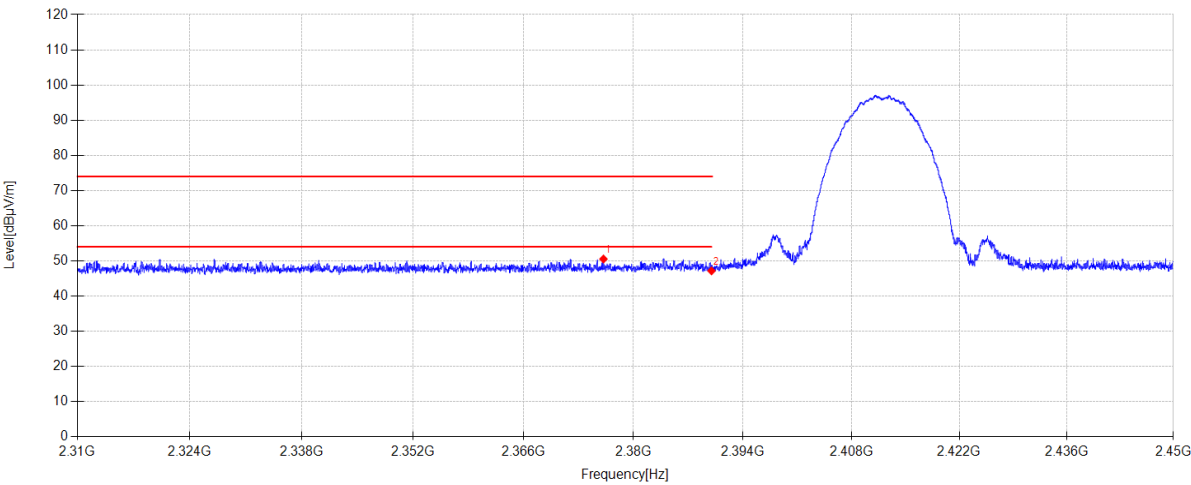
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File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\37

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2376.178	19.78	27.20	3.56	0.00	50.54	74.00	23.46	PK	Horizontal
2	2390.000	16.33	27.26	3.57	0.00	47.16	74.00	26.84	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

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Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT2 11B 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

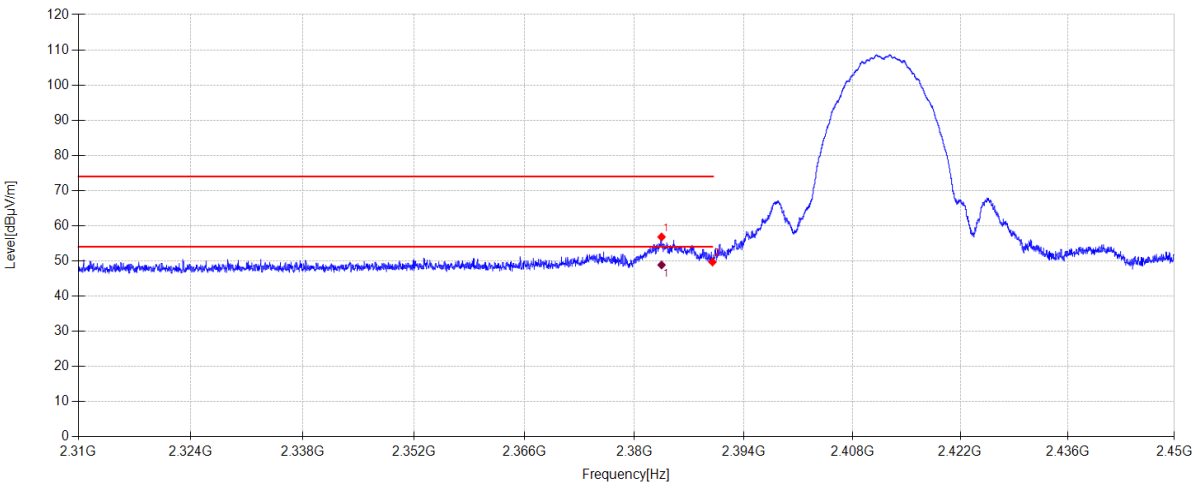
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Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2383.472	26.01	27.23	3.56	0.00	56.80	74.00	17.20	PK	Vertical
2	2390.000	18.86	27.26	3.57	0.00	49.69	74.00	24.31	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	2383.472	18.06	27.23	3.56	48.85	54.00	5.15	AV	Vertical

- Note:
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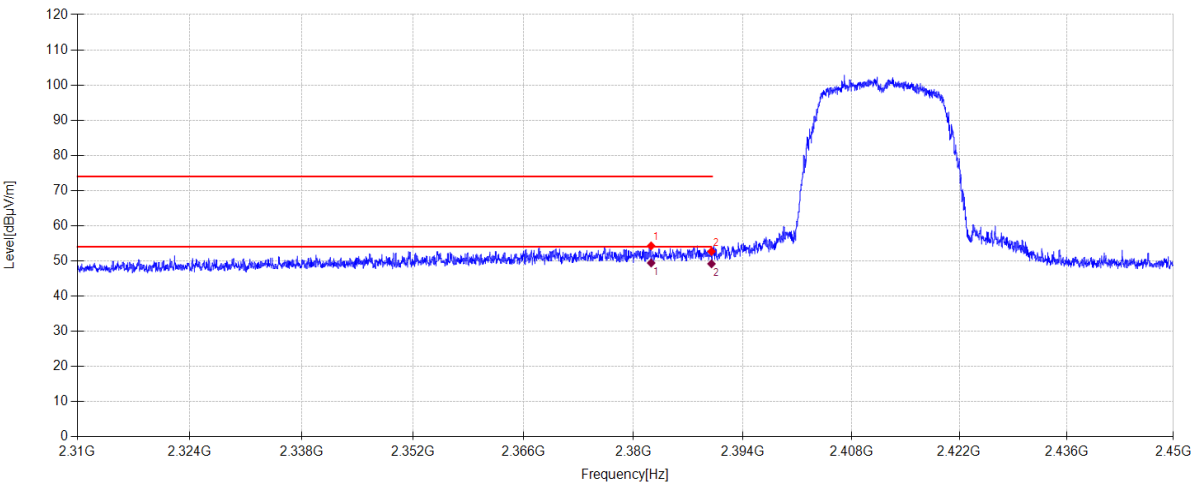
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Memo:

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	2382.268	23.48	27.23	3.56	0.00	54.27	74.00	19.73	PK	Horizontal
2	2390.000	21.85	27.26	3.57	0.00	52.68	74.00	21.32	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	2382.268	18.62	27.23	3.56	49.41	54.00	4.59	AV	Horizontal	
2	2390.000	18.34	27.26	3.57	49.17	54.00	4.83	AV	Horizontal	

- Note:
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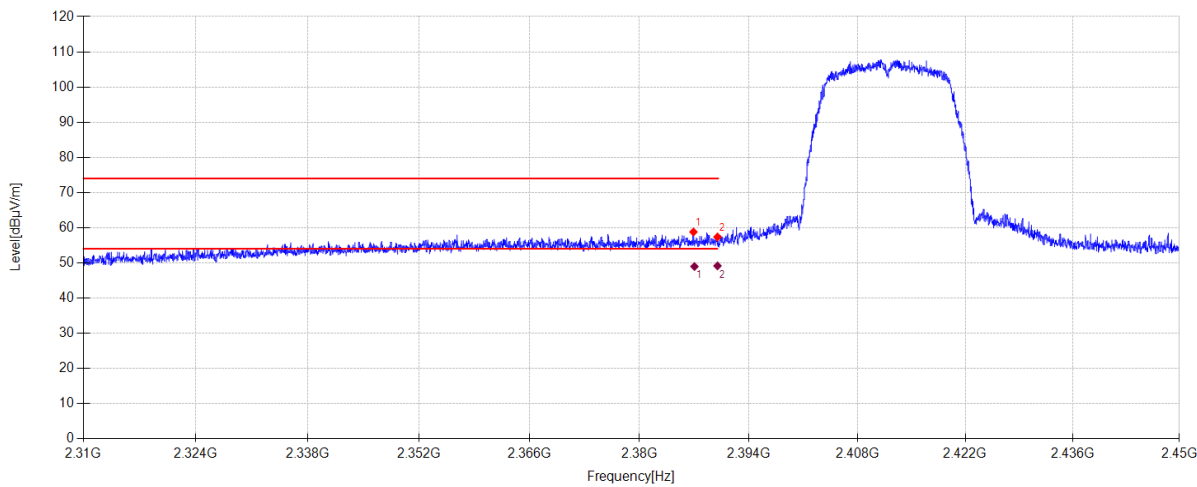
DDT 3# Chamber

File Path:

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Memo:

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	2386.916	27.98	27.25	3.57	0.00	58.80	74.00	15.20	PK	Vertical
2	2390.000	26.54	27.26	3.57	0.00	57.37	74.00	16.63	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	2387.044	18.16	27.25	3.57	48.98	54.00	5.02	AV	Vertical	
2	2390.000	18.33	27.26	3.57	49.16	54.00	4.84	AV	Vertical	

Note:

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

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ANT1 11G 2462MHz TX

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AC 120/60Hz

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Temp:24.8°C;Humi:47.2%

Test Site:

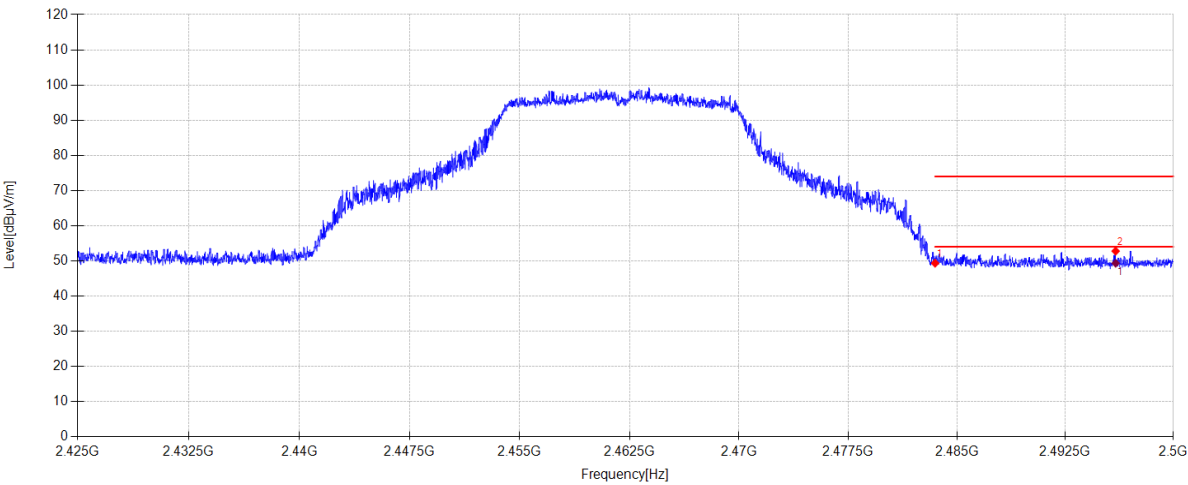
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\41

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	18.20	27.53	3.62	0.00	49.35	74.00	24.65	PK	Horizontal
2	2495.995	21.58	27.58	3.63	0.00	52.79	74.00	21.21	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	2495.995	18.12	27.58	3.63	49.33	54.00	4.67	AV	Horizontal

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT1 11G 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

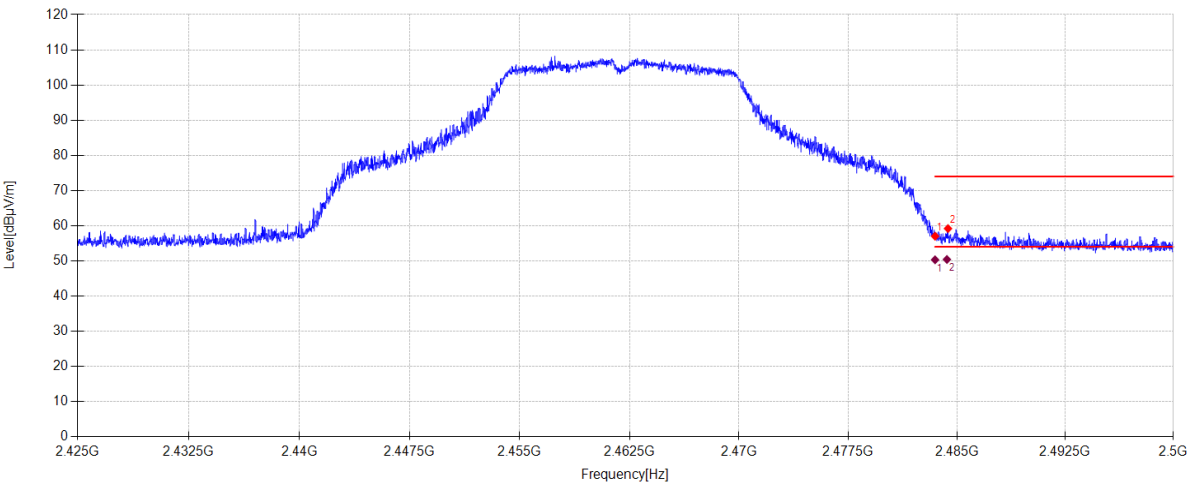
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\42

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	25.87	27.53	3.62	0.00	57.02	74.00	16.98	PK	Vertical
2	2484.393	28.03	27.54	3.62	0.00	59.19	74.00	14.81	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	2483.500	19.17	27.53	3.62	50.32	54.00	3.68	AV	Vertical
2	2484.317	19.25	27.54	3.62	50.41	54.00	3.59	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:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT2 11G 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

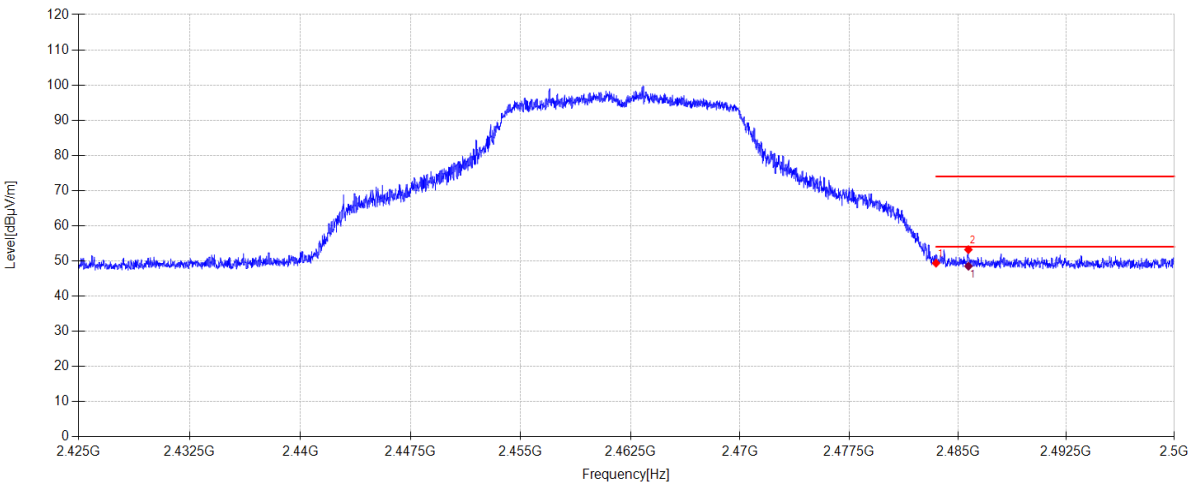
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\43

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	18.21	27.53	3.62	0.00	49.36	74.00	24.64	PK	Horizontal
2	2485.735	22.04	27.54	3.62	0.00	53.20	74.00	20.80	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	2485.735	17.33	27.54	3.62	48.49	54.00	5.51	AV	Horizontal	

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT2 11G 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

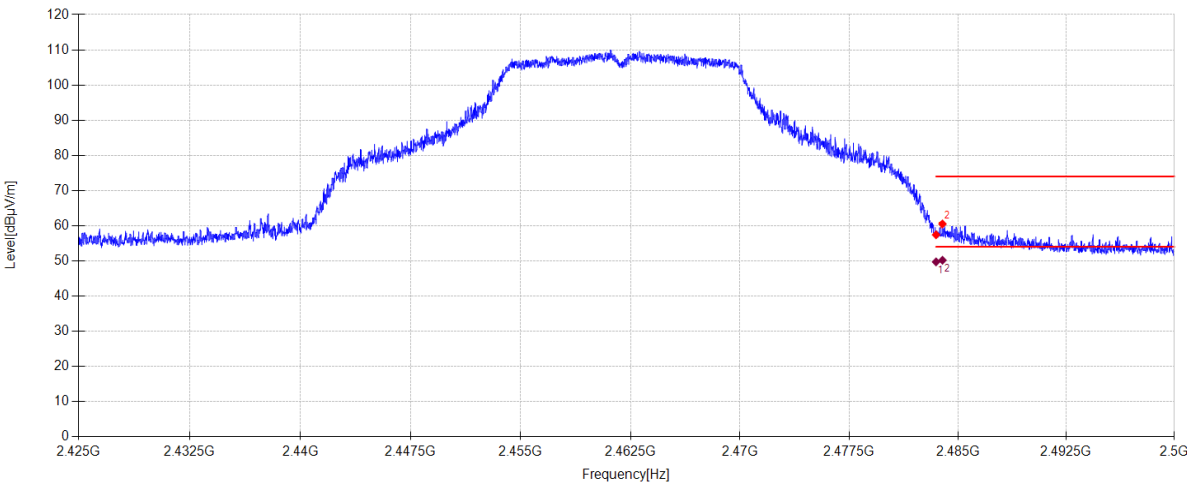
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\44

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	26.27	27.53	3.62	0.00	57.42	74.00	16.58	PK	Vertical
2	2483.943	29.34	27.54	3.62	0.00	60.50	74.00	13.50	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	2483.500	18.57	27.53	3.62	49.72	54.00	4.28	AV	Vertical	
2	2483.943	19.03	27.54	3.62	50.19	54.00	3.81	AV	Vertical	

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT2 11G 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

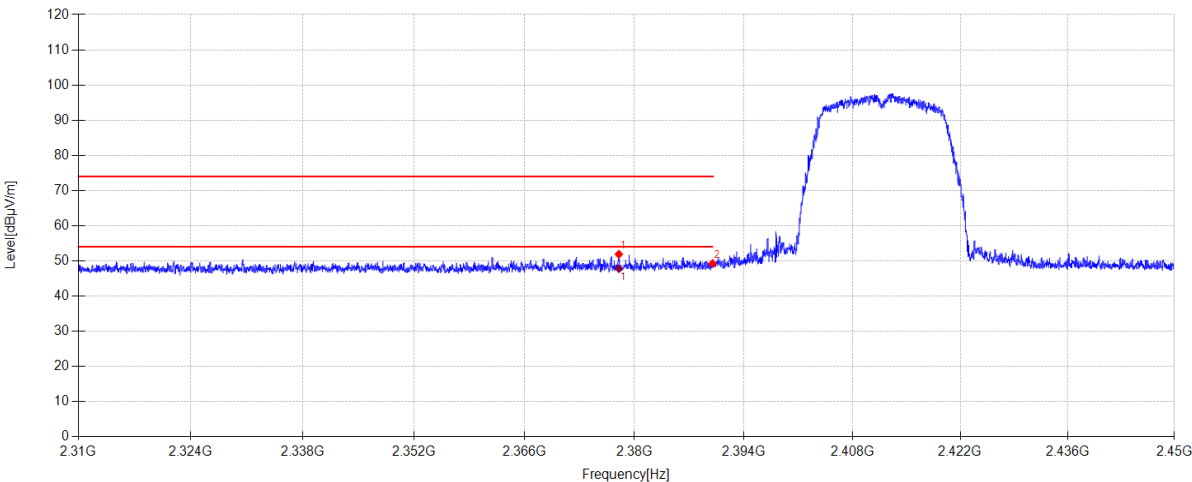
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\45

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2378.012	21.12	27.21	3.56	0.00	51.89	74.00	22.11	PK	Horizontal
2	2390.000	18.45	27.26	3.57	0.00	49.28	74.00	24.72	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	2378.012	17.02	27.21	3.56	47.79	54.00	6.21	AV	Horizontal	

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

ANT2 11G 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

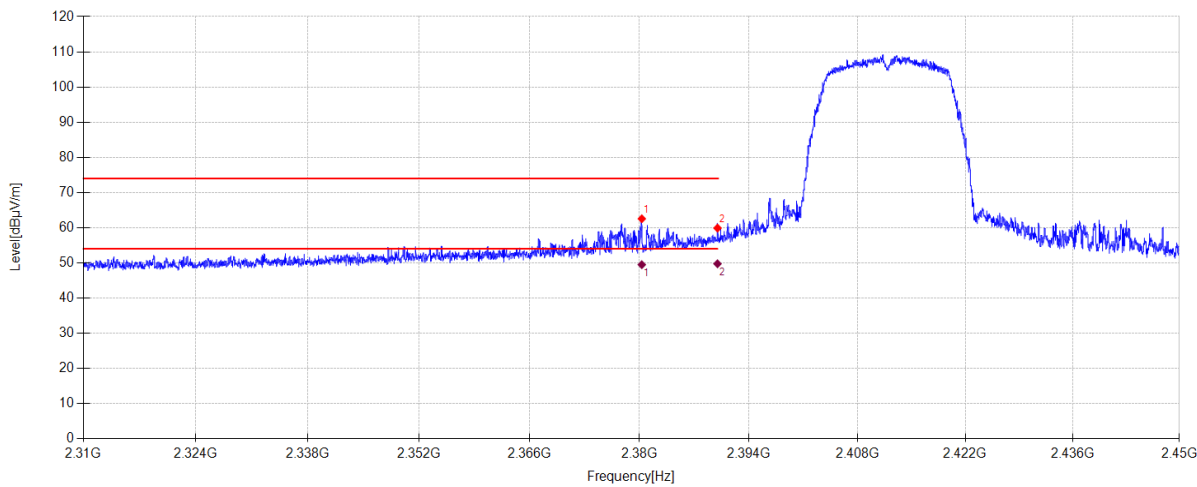
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\46

Memo:

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	2380.308	31.76	27.22	3.56	0.00	62.54	74.00	11.46	PK	Vertical
2	2390.000	29.07	27.26	3.57	0.00	59.90	74.00	14.10	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	2380.305	18.71	27.22	3.56	49.49	54.00	4.51	AV	Vertical	
2	2390.000	18.92	27.26	3.57	49.75	54.00	4.25	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11N20 MIMO 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

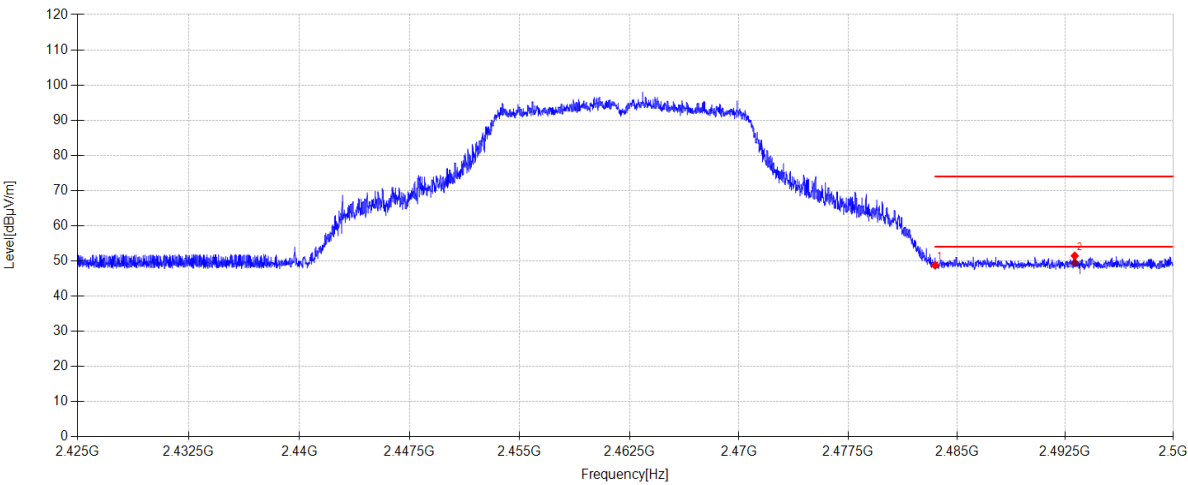
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\27

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.62	27.53	3.62	0.00	48.77	74.00	25.23	PK	Horizontal
2	2493.160	20.23	27.57	3.63	0.00	51.43	74.00	22.57	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	2493.160	18.26	27.57	3.63	49.46	54.00	4.54	AV	Horizontal	

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11N20 MIMO 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

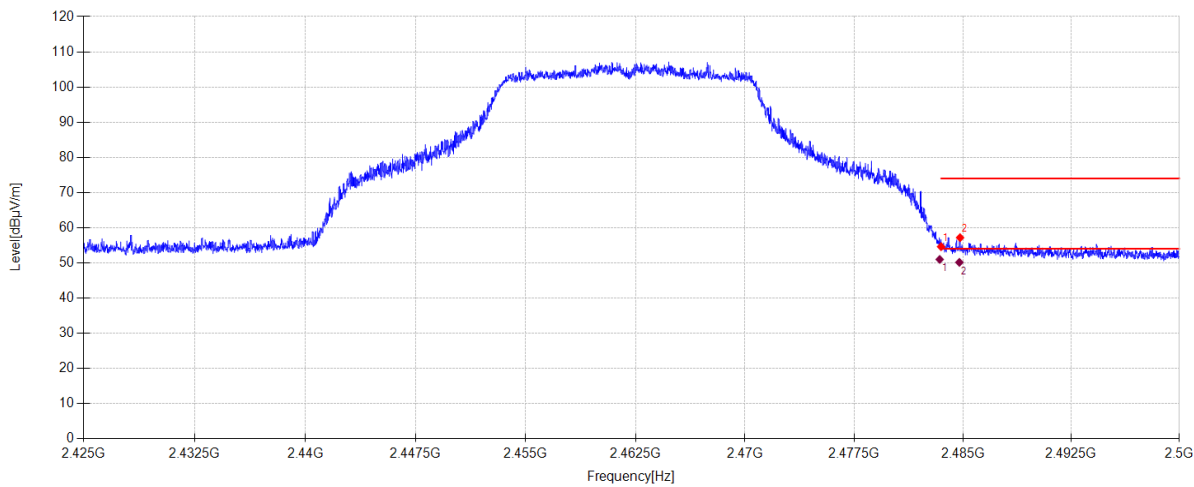
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\28

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	23.47	27.53	3.62	0.00	54.62	74.00	19.38	PK	Vertical
2	2484.813	26.02	27.54	3.62	0.00	57.18	74.00	16.82	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	2483.406	19.84	27.53	3.62	50.99	54.00	3.01	AV	Vertical	
2	2484.765	19.00	27.54	3.62	50.16	54.00	3.84	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11N20 MIMO 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

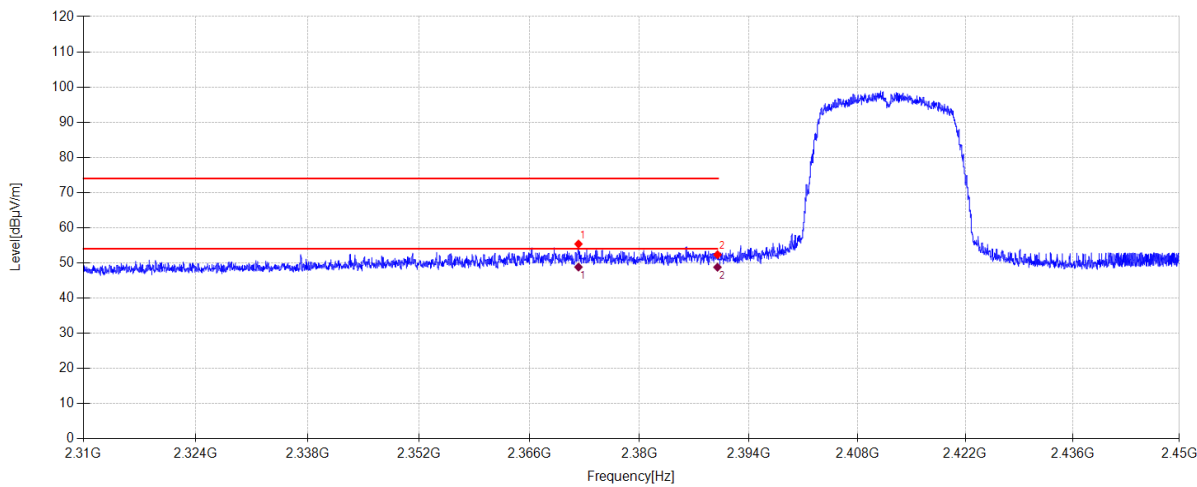
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\29

Memo:

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	2372.230	24.63	27.19	3.56	0.00	55.38	74.00	18.62	PK	Horizontal
2	2390.000	21.52	27.26	3.57	0.00	52.35	74.00	21.65	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	2372.230	18.06	27.19	3.56	48.81	54.00	5.19	AV	Horizontal	
2	2390.000	17.94	27.26	3.57	48.77	54.00	5.23	AV	Horizontal	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11N20 MIMO 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

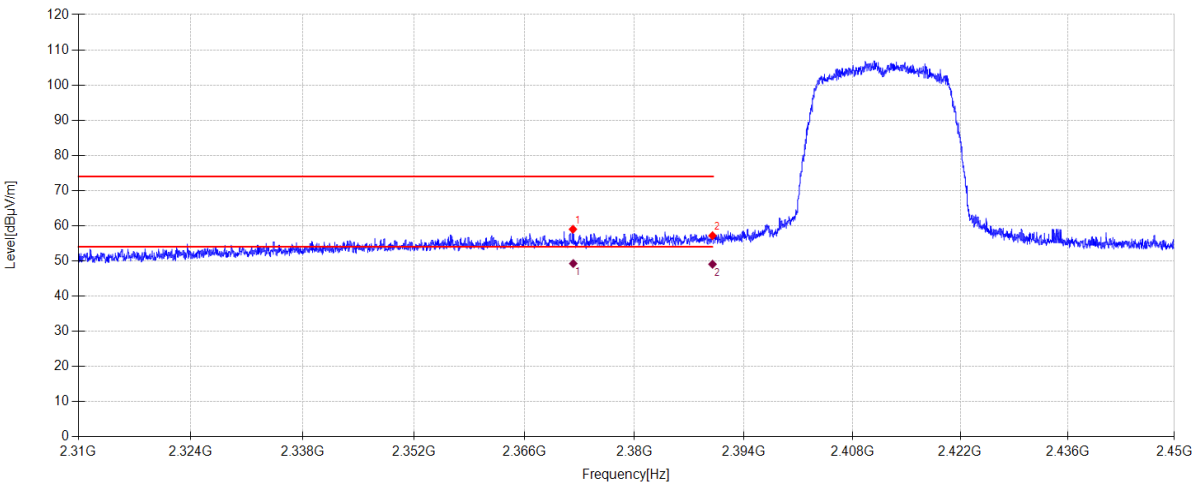
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\30

Memo:

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	2372.160	28.24	27.19	3.56	0.00	58.99	74.00	15.01	PK	Vertical
2	2390.000	26.34	27.26	3.57	0.00	57.17	74.00	16.83	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	2372.198	18.50	27.19	3.56	49.25	54.00	4.75	AV	Vertical	
2	2390.000	18.23	27.26	3.57	49.06	54.00	4.94	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11N40 MIMO 2452MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

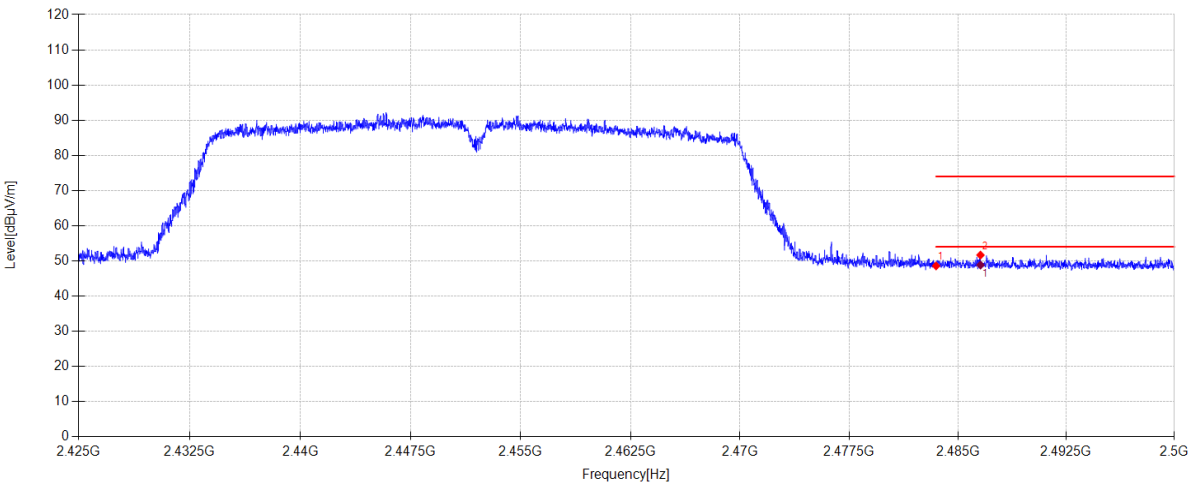
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\47

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.43	27.53	3.62	0.00	48.58	74.00	25.42	PK	Horizontal
2	2486.568	20.49	27.55	3.62	0.00	51.66	74.00	22.34	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	2486.568	17.66	27.55	3.62	48.83	54.00	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:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11N40 MIMO 2452MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

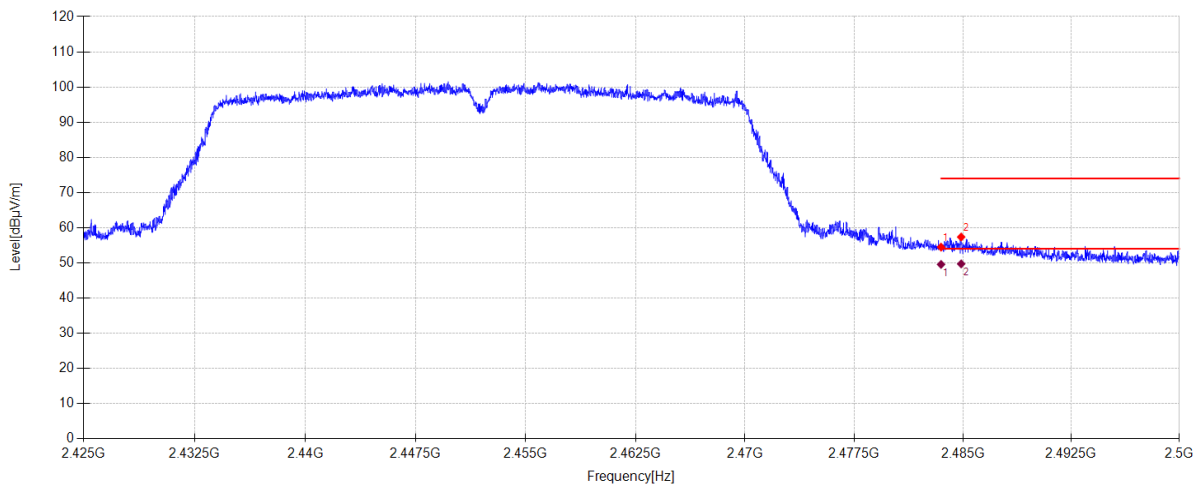
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\48

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	23.34	27.53	3.62	0.00	54.49	74.00	19.51	PK	Vertical
2	2484.888	26.20	27.54	3.62	0.00	57.36	74.00	16.64	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	2483.500	18.42	27.53	3.62	49.57	54.00	4.43	AV	Vertical	
2	2484.888	18.56	27.54	3.62	49.72	54.00	4.28	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11N40 MIMO 2422MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

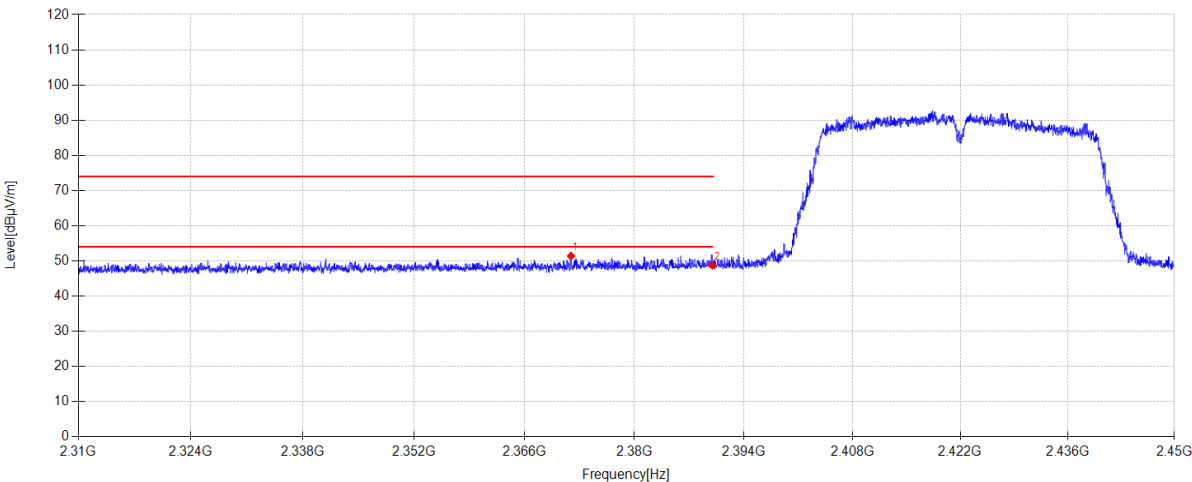
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\49

Memo:

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	2371.922	20.64	27.19	3.56	0.00	51.39	74.00	22.61	PK	Horizontal
2	2390.000	17.94	27.26	3.57	0.00	48.77	74.00	25.23	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11N40 MIMO 2422MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

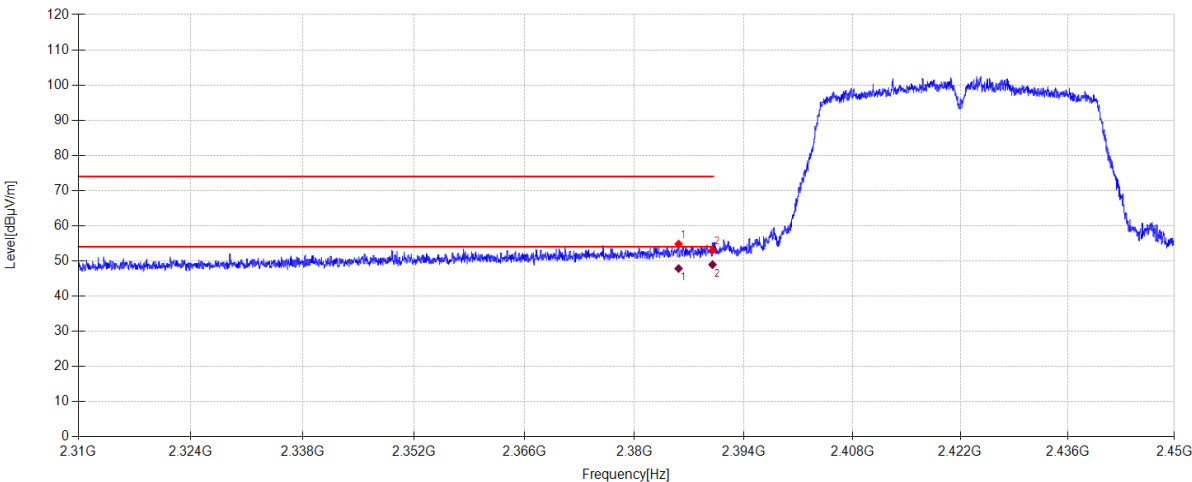
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\50

Memo:

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	2385.656	23.99	27.24	3.57	0.00	54.80	74.00	19.20	PK	Vertical
2	2390.000	22.23	27.26	3.57	0.00	53.06	74.00	20.94	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	2385.656	17.02	27.24	3.57	47.83	54.00	6.17	AV	Vertical	
2	2390.000	18.11	27.26	3.57	48.94	54.00	5.06	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11AX20 MIMO 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

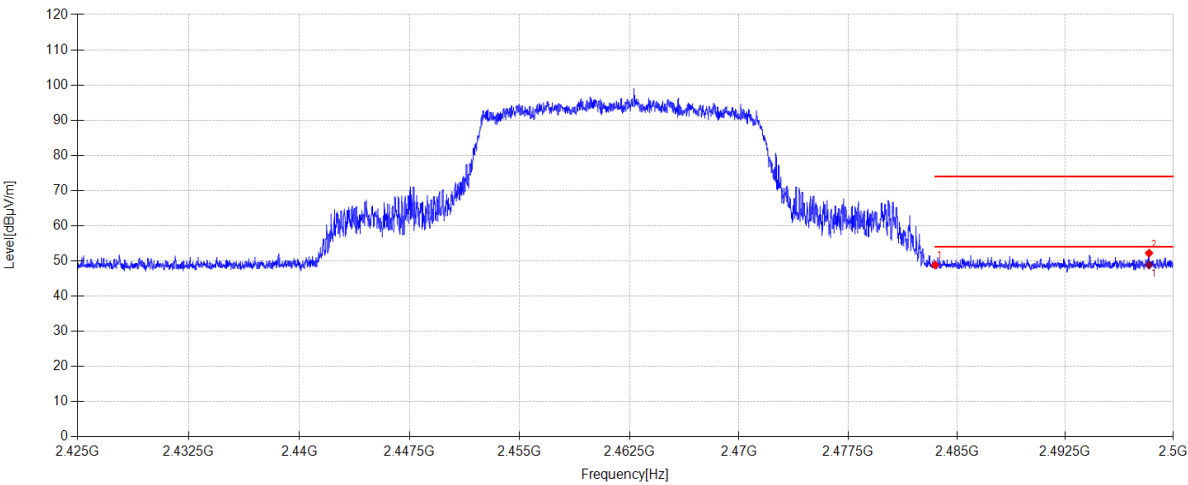
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\51

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.68	27.53	3.62	0.00	48.83	74.00	25.17	PK	Horizontal
2	2498.313	20.99	27.59	3.63	0.00	52.21	74.00	21.79	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	2498.313	17.61	27.59	3.63	48.83	54.00	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:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11AX20 MIMO 2462MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

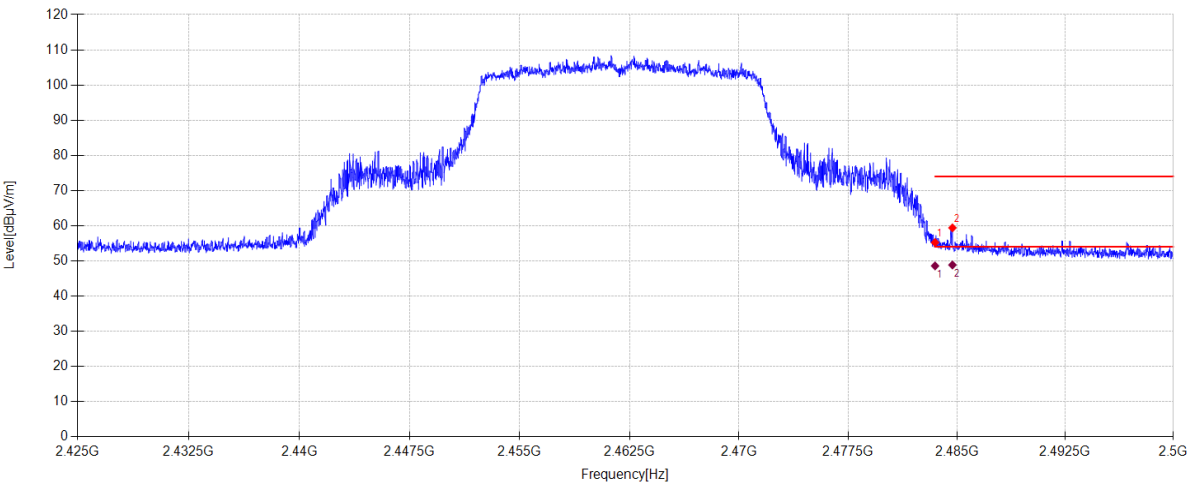
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\52

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	24.08	27.53	3.62	0.00	55.23	74.00	18.77	PK	Vertical
2	2484.700	28.23	27.54	3.62	0.00	59.39	74.00	14.61	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	2483.500	17.43	27.53	3.62	48.58	54.00	5.42	AV	Vertical	
2	2484.700	17.69	27.54	3.62	48.85	54.00	5.15	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11AX20 MIMO 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

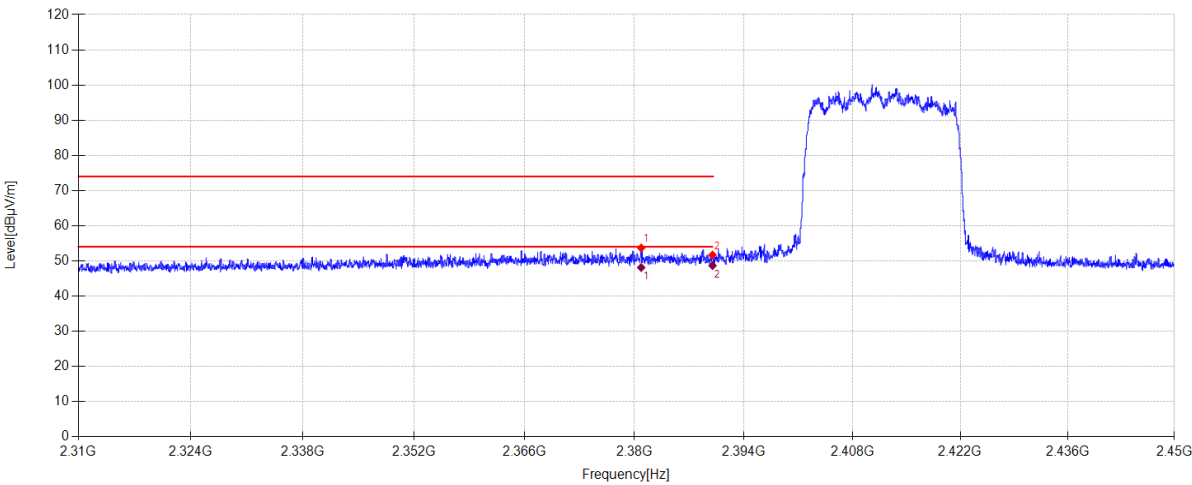
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\53

Memo:

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	2380.868	22.92	27.22	3.56	0.00	53.70	74.00	20.30	PK	Horizontal
2	2390.000	20.86	27.26	3.57	0.00	51.69	74.00	22.31	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	2380.868	17.33	27.22	3.56	48.11	54.00	5.89	AV	Horizontal	
2	2390.000	17.84	27.26	3.57	48.67	54.00	5.33	AV	Horizontal	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11AX20 MIMO 2412MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

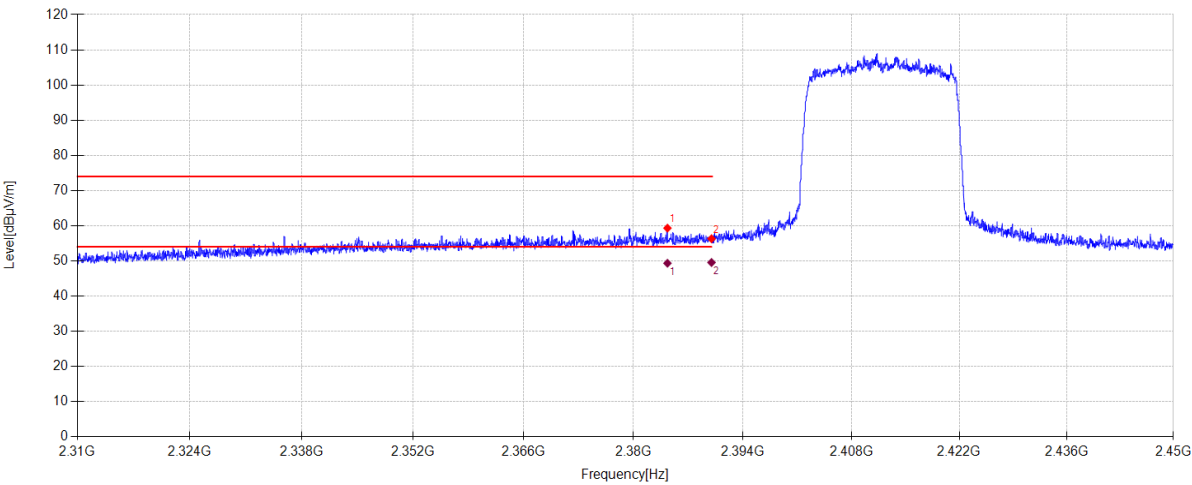
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\54

Memo:

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	2384.354	28.51	27.24	3.57	0.00	59.32	74.00	14.68	PK	Vertical
2	2390.000	25.47	27.26	3.57	0.00	56.30	74.00	17.70	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	2384.354	18.52	27.24	3.57	49.33	54.00	4.67	AV	Vertical
2	2390.000	18.71	27.26	3.57	49.54	54.00	4.46	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:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11AX40 MIMO 2452MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

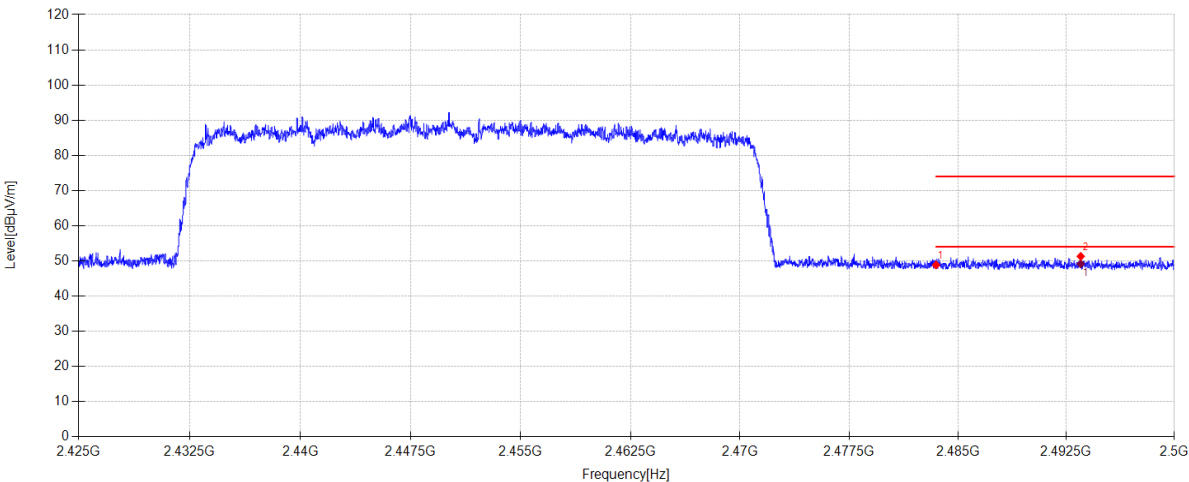
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\55

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.69	27.53	3.62	0.00	48.84	74.00	25.16	PK	Horizontal
2	2493.505	20.10	27.57	3.63	0.00	51.30	74.00	22.70	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	2493.505	17.95	27.57	3.63	49.15	54.00	4.85	AV	Horizontal	

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11AX40 MIMO 2452MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

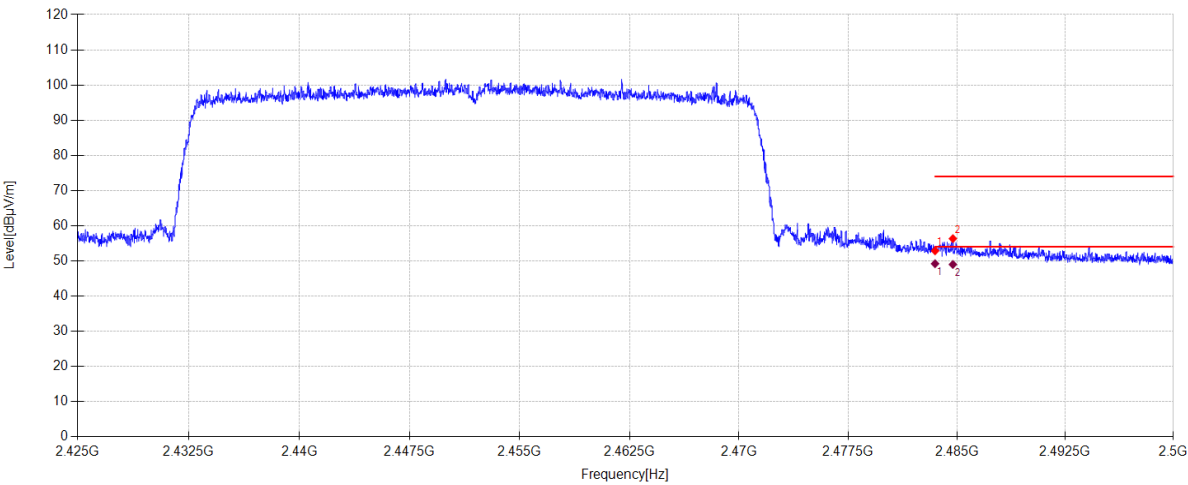
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\56

Memo:

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	21.73	27.53	3.62	0.00	52.88	74.00	21.12	PK	Vertical
2	2484.730	25.17	27.54	3.62	0.00	56.33	74.00	17.67	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	2483.500	18.06	27.53	3.62	49.21	54.00	4.79	AV	Vertical	
2	2484.730	17.83	27.54	3.62	48.99	54.00	5.01	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11AX40 MIMO 2422MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

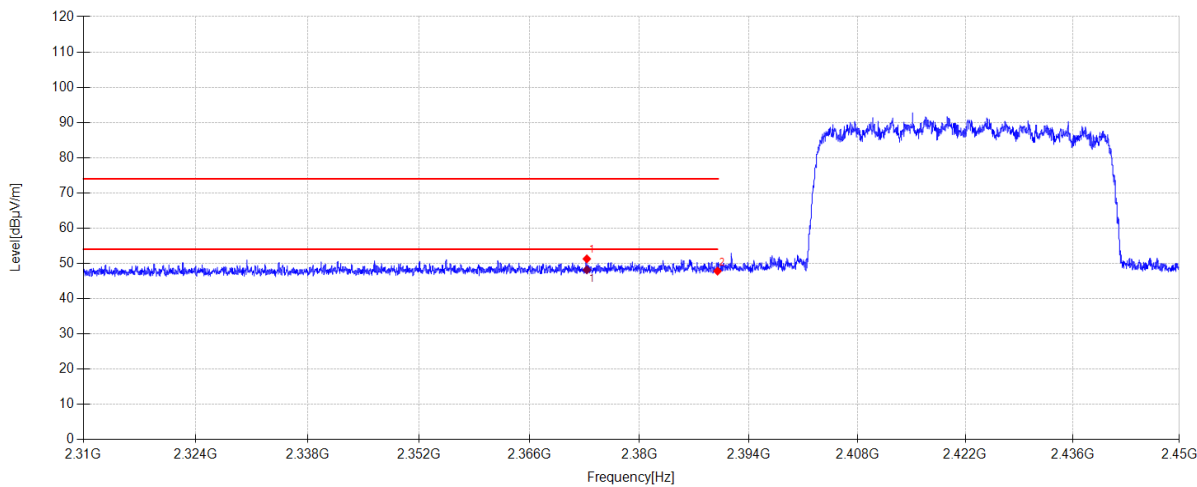
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\57

Memo:

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	2373.294	20.53	27.19	3.56	0.00	51.28	74.00	22.72	PK	Horizontal
2	2390.000	16.98	27.26	3.57	0.00	47.81	74.00	26.19	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	2373.294	17.42	27.19	3.56	48.17	54.00	5.83	AV	Horizontal	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-12-16

Tested By:

Zhong Nan

EUT:

Multi-Channel Soundbar with wireless subwoofer

Model Number:

BAR 800MK2

Test Mode:

11AX40 MIMO 2422MHz TX

Power Supply:

AC 120/60Hz

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

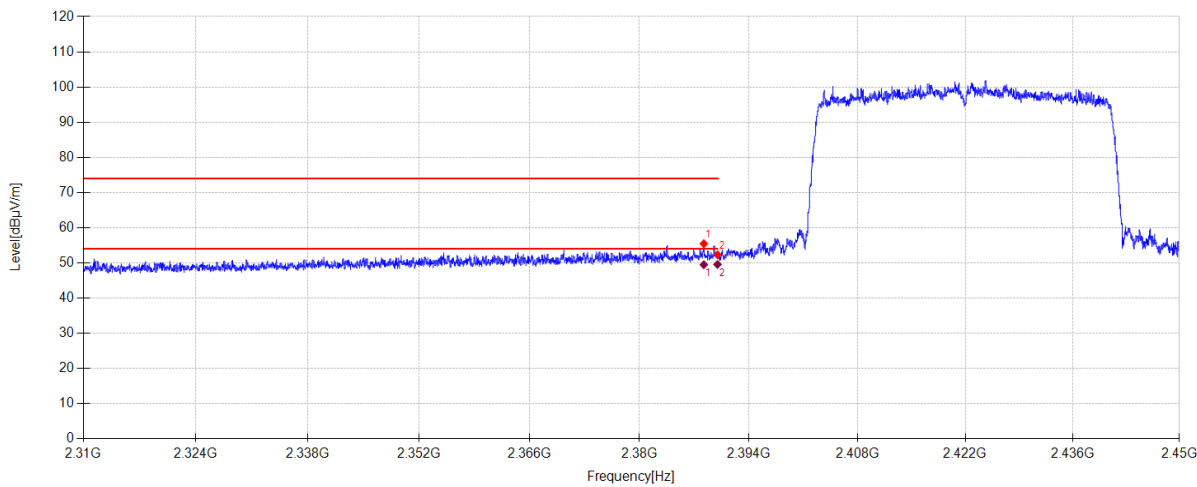
DDT 3# Chamber

File Path:

d:\ts\2024 report data\BAR 800MK2\FCC ABOVE1G 2.4G\58

Memo:

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	2388.246	24.64	27.25	3.57	0.00	55.46	74.00	18.54	PK	Vertical
2	2390.000	21.48	27.26	3.57	0.00	52.31	74.00	21.69	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	2388.246	18.66	27.25	3.57	49.48	54.00	4.52	AV	Vertical	
2	2390.000	18.73	27.26	3.57	49.56	54.00	4.44	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.

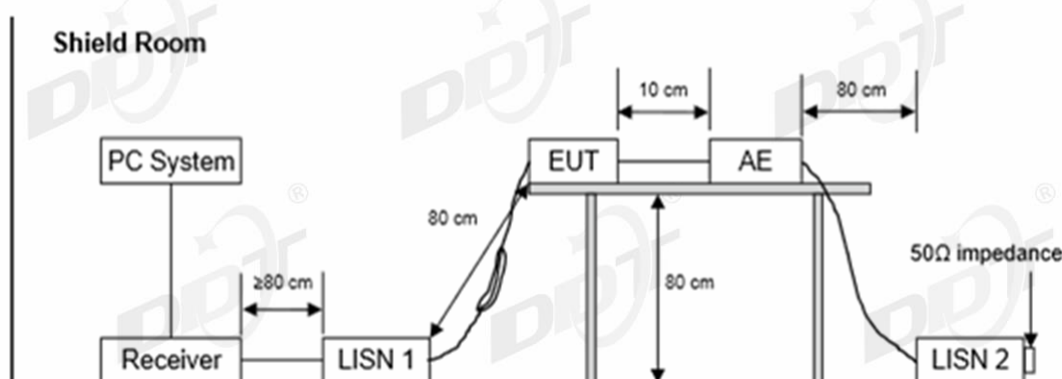
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Two Line V-Network	R&S	ENV216	DDT-ZC02056	2025/07/08	1 Year
RF Cable	Yuhu Technology	Z806-NJ-NJ-6M	DDT-ZC02004	2025/07/08	1 Year
Conducted Radiated Software	Audix	E3	DDT-ZC00562	/	/
Two Line V-Network	R&S	ENV216	DDT-ZC02059	2025/07/08	1 Year
EMI Test Receiver	R&S	ESCI/E3	DDT-ZC01297	2025/07/08	1 Year
Δ -shaped artificial power network	SCHWARZBECK	PVDC 8301	DDT-ZC03939	2025/03/31	1 Year
Three-phase artificial power network	SCHWARZBECK	NSLK 8163	DDT-ZC01572	2025/07/08	1 Year
Pulse Limiter	SCHWARZBECK	VTSD 9561	DDT-ZC02128	2025/07/08	1 Year

14.2. Block diagram of test setup



14.3. Limits

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

Note 1: * Decreasing linearly with logarithm of frequency.

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

14.4. Assistant equipment used for test

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

14.5. Test procedure

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

All support equipment power received from a second LISN.

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

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

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

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

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

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

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

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

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

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

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

PASS. (See below detailed test result)

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

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

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

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site

: DDT 6# Shield Room

Test Date

: 2025-02-27

EUT

: Multi-Channel Soundbar with wireless subwoofer

Power Supply

: AC 120V/60Hz

Condition

: Temp:20.1°C,Humi:49.3%

Memo

:

D:\2025 Report Date\Q24111416-1E\0227 CE.EM6

Tested By

: Zhong Nan

Model Number

: BAR 800MK2

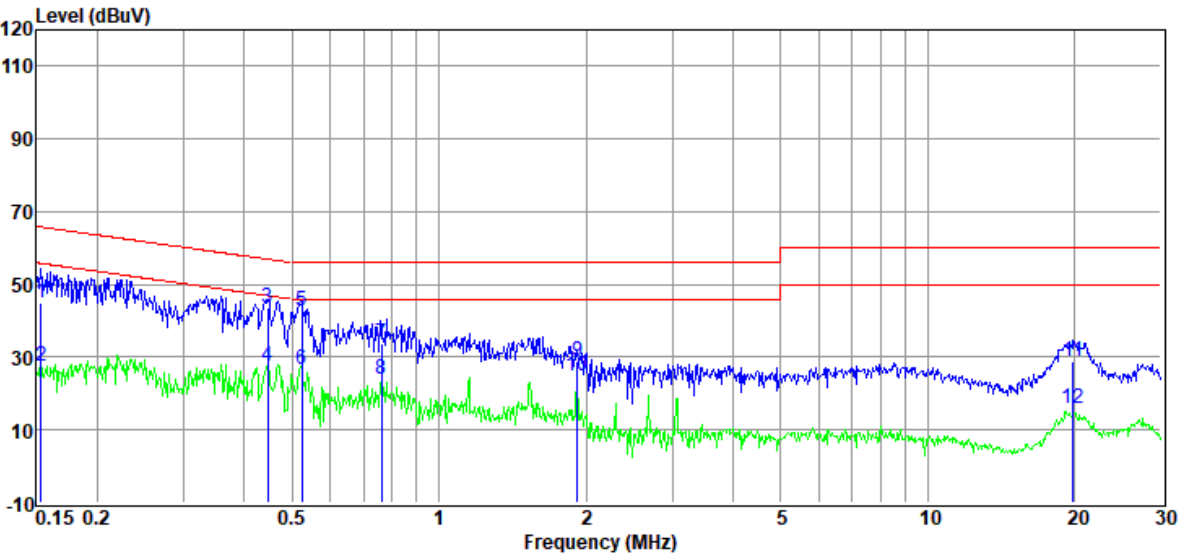
Test Mode

: 2.4G WIFI mode

LISN

: 2024 ENV216 3#/LINE

Data: 14



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	25.14	9.78	0.07	9.83	44.82	65.82	-21.00	QP	LINE
2	0.15	7.81	9.78	0.07	9.83	27.49	55.82	-28.33	Average	LINE
3	0.45	24.02	9.76	0.10	9.83	43.71	56.93	-13.22	QP	LINE
4	0.45	7.80	9.76	0.10	9.83	27.49	46.93	-19.44	Average	LINE
5	0.52	22.85	9.75	0.10	9.83	42.53	56.00	-13.47	QP	LINE
6	0.52	7.10	9.75	0.10	9.83	26.78	46.00	-19.22	Average	LINE
7	0.76	14.19	9.75	0.06	9.84	33.84	56.00	-22.16	QP	LINE
8	0.76	4.45	9.75	0.06	9.84	24.10	46.00	-21.90	Average	LINE
9	1.92	9.23	9.75	0.11	9.84	28.93	56.00	-27.07	QP	LINE
10	1.92	5.01	9.75	0.11	9.84	24.71	46.00	-21.29	Average	LINE
11	19.85	8.79	9.95	0.26	9.94	28.94	60.00	-31.06	QP	LINE
12	19.85	-4.38	9.95	0.26	9.94	15.77	50.00	-34.23	Average	LINE

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 6# Shield Room

Test Date : 2025-02-27

EUT : Multi-Channel Soundbar with wireless subwoofer

Power Supply : AC 120V/60Hz

Condition : Temp:20.1°C,Humi:49.3%

Memo :

D:\2025 Report Date\Q24111416-1E\0227 CE.EM6

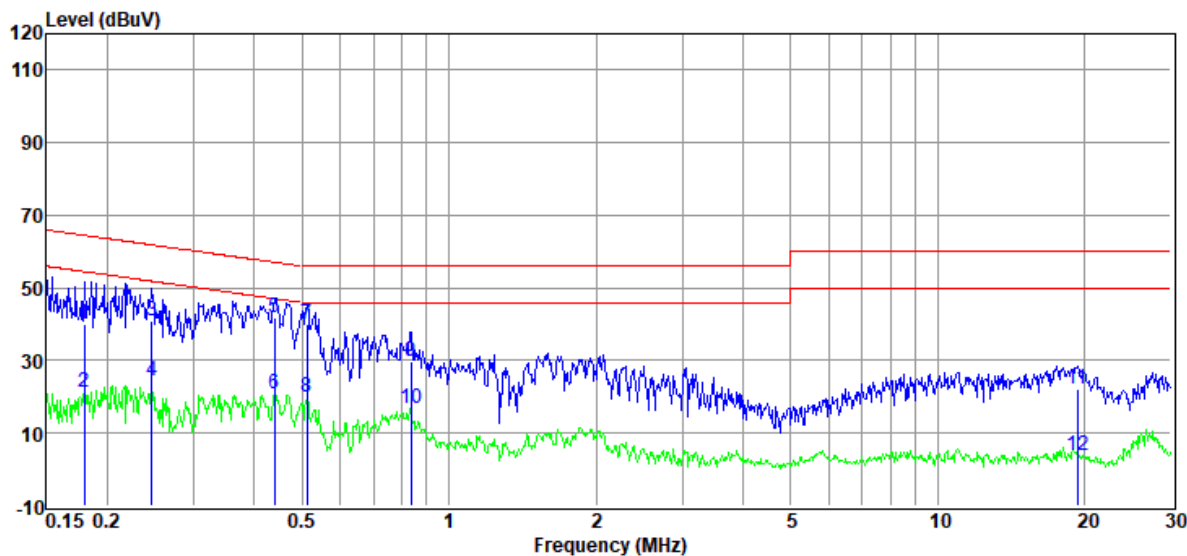
Tested By : Zhong Nan

Model Number : BAR 800MK2

Test Mode : 2.4G WIFI mode

LISN : 2024 ENV216 3#/NEUTRAL

Data: 16



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.18	20.37	9.77	0.06	9.83	40.03	64.50	-24.47	QP	NEUTRAL
2	0.18	1.55	9.77	0.06	9.83	21.21	54.50	-33.29	Average	NEUTRAL
3	0.25	21.09	9.76	0.06	9.83	40.74	61.86	-21.12	QP	NEUTRAL
4	0.25	4.83	9.76	0.06	9.83	24.48	51.86	-27.38	Average	NEUTRAL
5	0.44	21.93	9.77	0.10	9.83	41.63	57.07	-15.44	QP	NEUTRAL
6	0.44	1.03	9.77	0.10	9.83	20.73	47.07	-26.34	Average	NEUTRAL
7	0.51	20.47	9.77	0.11	9.83	40.18	56.00	-15.82	QP	NEUTRAL
8	0.51	0.30	9.77	0.11	9.83	20.01	46.00	-25.99	Average	NEUTRAL
9	0.83	10.20	9.75	0.06	9.84	29.85	56.00	-26.15	QP	NEUTRAL
10	0.83	-2.69	9.75	0.06	9.84	16.96	46.00	-29.04	Average	NEUTRAL
11	19.33	2.03	9.96	0.26	9.94	22.19	60.00	-37.81	QP	NEUTRAL
12	19.33	-16.30	9.96	0.26	9.94	3.86	50.00	-46.14	Average	NEUTRAL

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

16. Photos of the EUT

Please refer to DDT-Q24111416-2E appendix I

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