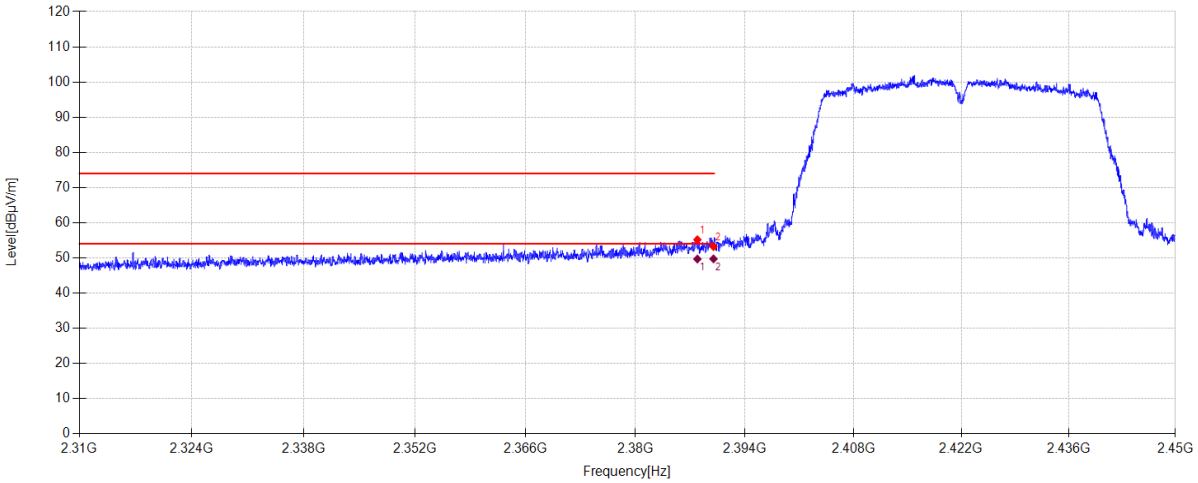
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-10	**Tested By**:	Lin Guoyuan
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11N40 MIMO 2422 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 300\0110 FCC Above 1G 2.4G\7		
Memo:	Sample Number: S24111411-006		

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	2387.938	24.35	27.25	3.57	0.00	55.17	74.00	18.83	PK	Horizontal
2	2390.000	22.38	27.26	3.57	0.00	53.21	74.00	20.79	PK	Horizontal

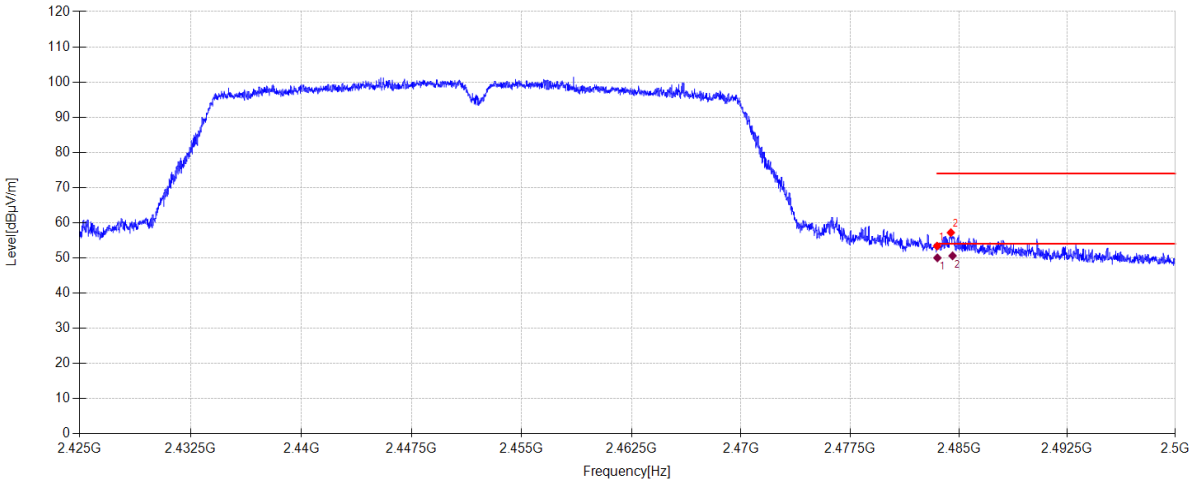
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2387.938	18.86	27.25	3.57	49.68	54.00	4.32	AV	Horizontal
2	2390.000	18.89	27.26	3.57	49.72	54.00	4.28	AV	Horizontal

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:	2025-01-10	**Tested By**:	Lin Guoyuan
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11N40 MIMO 2422 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 300\0110 FCC Above 1G 2.4G\9		
Memo:	Sample Number: S24111411-006		

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	22.21	27.53	3.62	0.00	53.36	74.00	20.64	PK	Horizontal
2	2484.453	26.02	27.54	3.62	0.00	57.18	74.00	16.82	PK	Horizontal

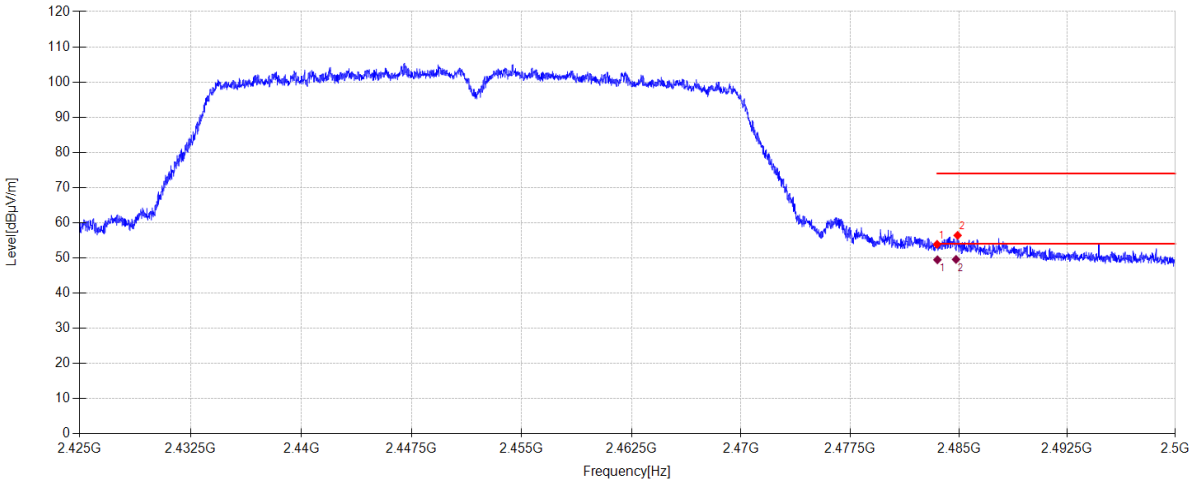
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.521	18.86	27.53	3.62	50.01	54.00	3.99	AV	Horizontal
2	2484.570	19.43	27.54	3.62	50.59	54.00	3.41	AV	Horizontal

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

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-10	**Tested By**:	Lin Guoyuan
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11N40 MIMO 2452 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 300\0110 FCC Above 1G 2.4G\10		
Memo:	Sample Number: S24111411-006		

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	22.71	27.53	3.62	0.00	53.86	74.00	20.14	PK	Vertical
2	2484.918	25.23	27.54	3.62	0.00	56.39	74.00	17.61	PK	Vertical

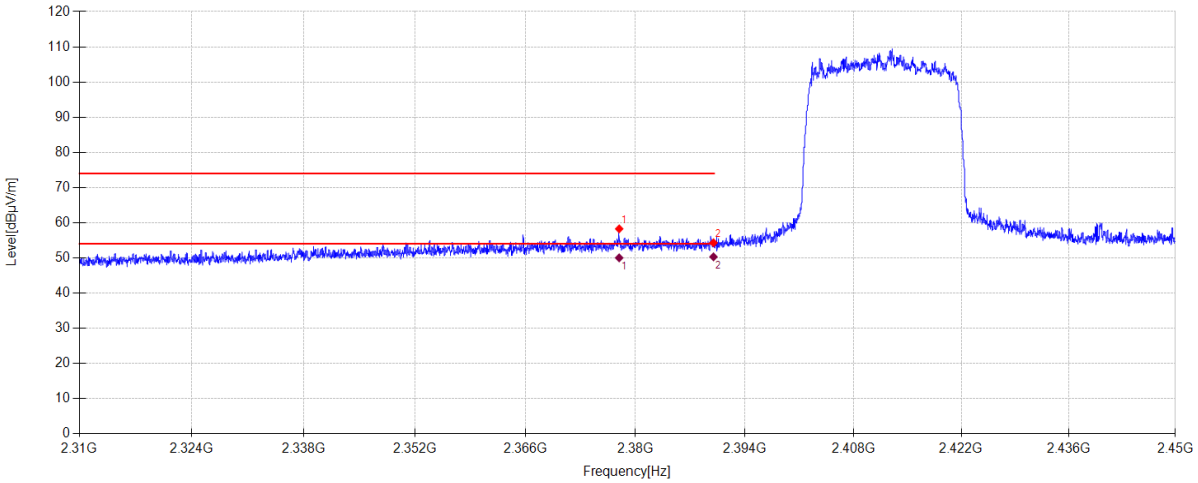
Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.524	18.31	27.53	3.62	49.46	54.00	4.54	AV	Vertical
2	2484.809	18.41	27.54	3.62	49.57	54.00	4.43	AV	Vertical

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX20 MIMO2412 MHz Tx mode	**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 300\1122 FCC Above 1G 2.4G\49		
Memo:	Sample Number: S24111411-006		

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	2377.928	27.49	27.21	3.56	0.00	58.26	74.00	15.74	PK	Horizontal
2	2390.000	23.46	27.26	3.57	0.00	54.29	74.00	19.71	PK	Horizontal

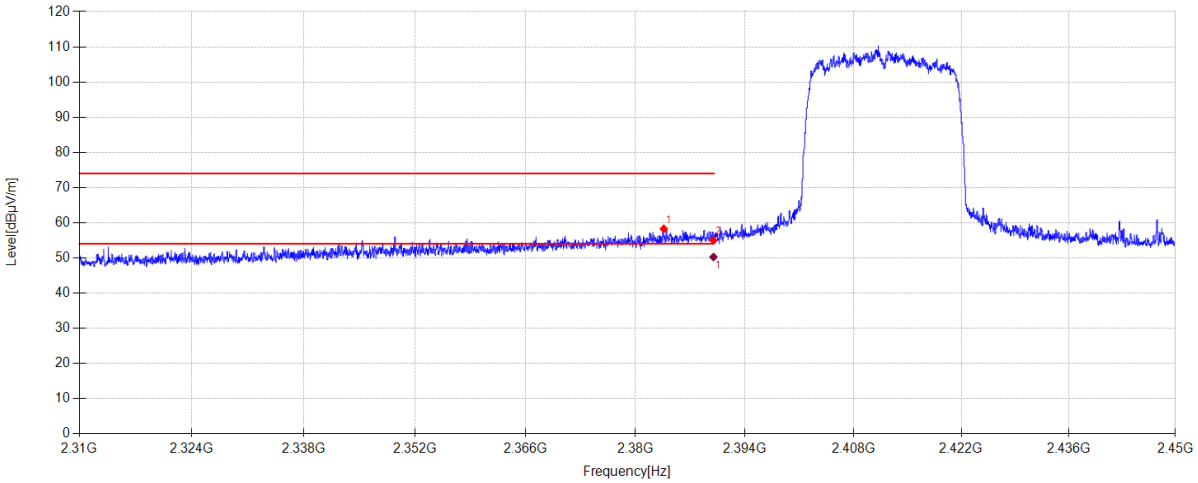
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2377.928	19.25	27.21	3.56	50.02	54.00	3.98	AV	Horizontal
2	2390.000	19.47	27.26	3.57	50.30	54.00	3.70	AV	Horizontal

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX20 MIMO2412 MHz Tx mode	**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 300\1122 FCC Above 1G 2.4G\50		
Memo:	Sample Number: S24111411-006		

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	2383.626	27.48	27.23	3.56	0.00	58.27	74.00	15.73	PK	Vertical
2	2390.000	24.17	27.26	3.57	0.00	55.00	74.00	19.00	PK	Vertical

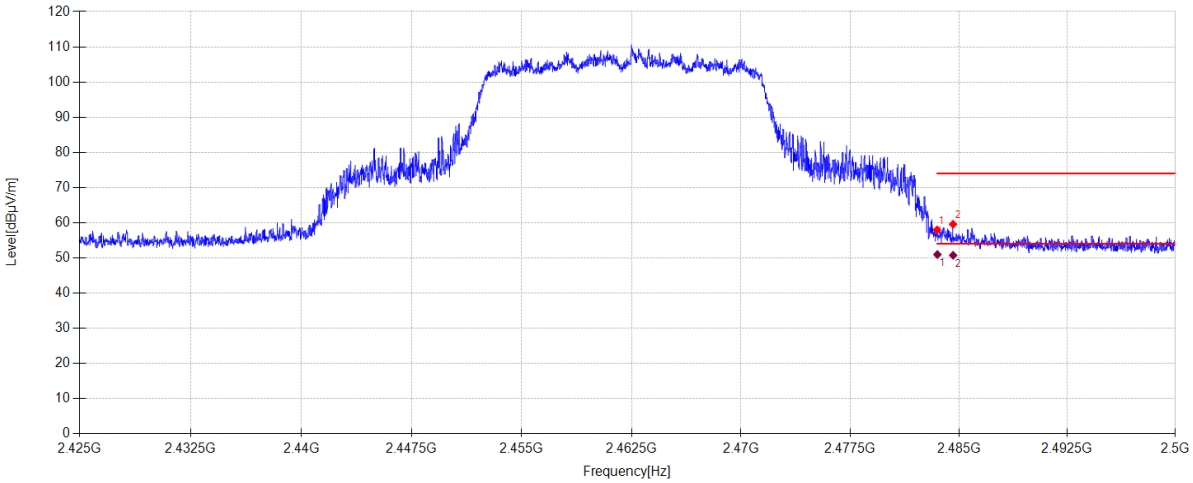
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2389.996	19.43	27.26	3.57	50.26	54.00	3.74	AV	Vertical

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX20 MIMO2462 MHz Tx mode	**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 300\1122 FCC Above 1G 2.4G\47		
Memo:	Sample Number: S24111411-006		

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	26.81	27.53	3.62	0.00	57.96	74.00	16.04	PK	Horizontal
2	2484.603	28.41	27.54	3.62	0.00	59.57	74.00	14.43	PK	Horizontal

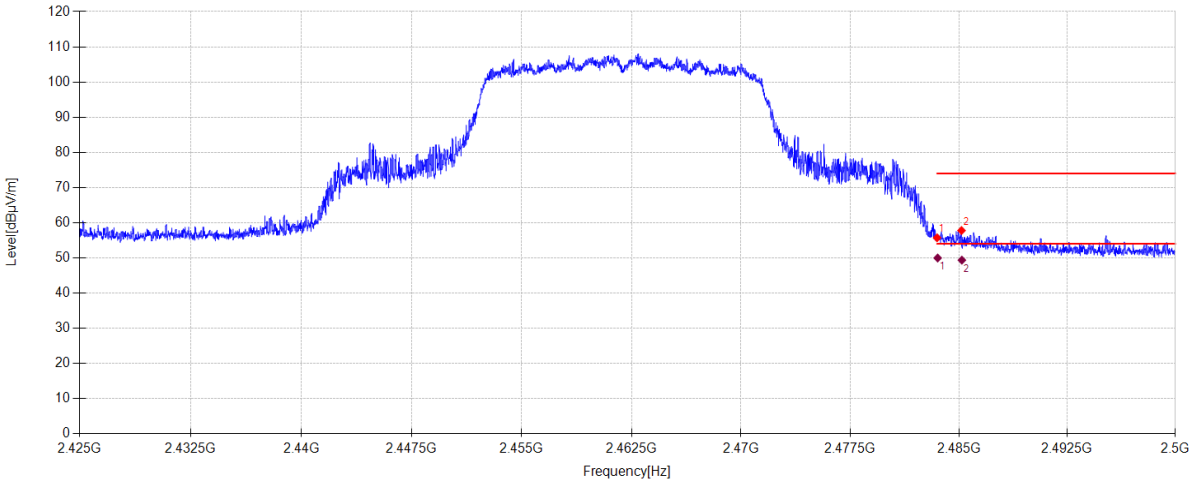
Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.524	19.81	27.53	3.62	50.96	54.00	3.04	AV	Horizontal
2	2484.610	19.58	27.54	3.62	50.74	54.00	3.26	AV	Horizontal

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX20 MIMO2462 MHz Tx mode	**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 300\1122 FCC Above 1G 2.4G\48		
Memo:	Sample Number: S24111411-006		

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	24.57	27.53	3.62	0.00	55.72	74.00	18.28	PK	Vertical
2	2485.188	26.62	27.54	3.62	0.00	57.78	74.00	16.22	PK	Vertical

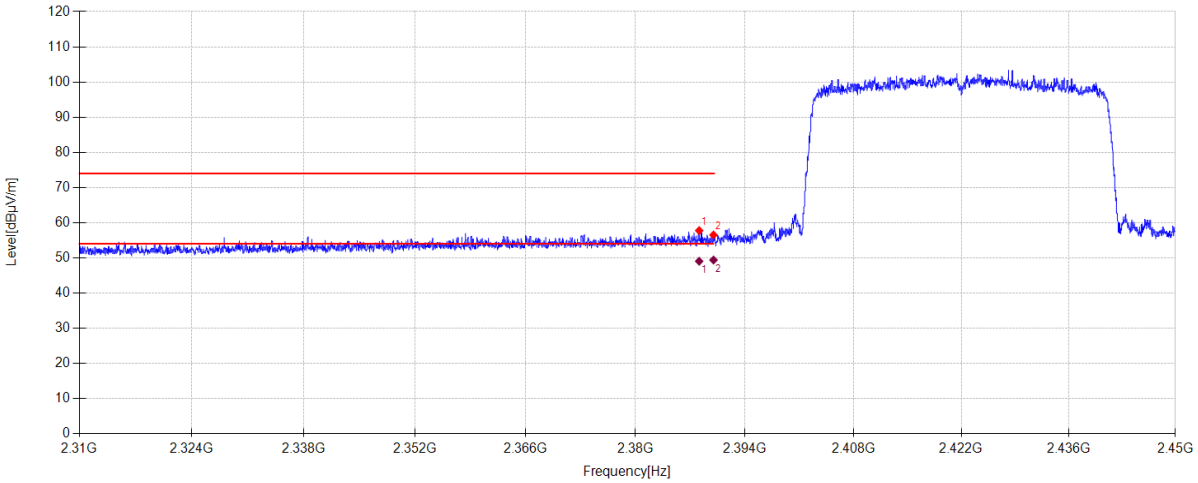
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.541	18.82	27.53	3.62	49.97	54.00	4.03	AV	Vertical
2	2485.212	18.20	27.54	3.62	49.36	54.00	4.64	AV	Vertical

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:	2024-11-25	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX40 MIMO 2422 MHz Tx mode	**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 300\1122 FCC Above 1G 2.4G\53		
Memo:	Sample Number: S24111411-006		

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	2388.162	26.95	27.25	3.57	0.00	57.77	74.00	16.23	PK	Horizontal
2	2390.000	25.70	27.26	3.57	0.00	56.53	74.00	17.47	PK	Horizontal

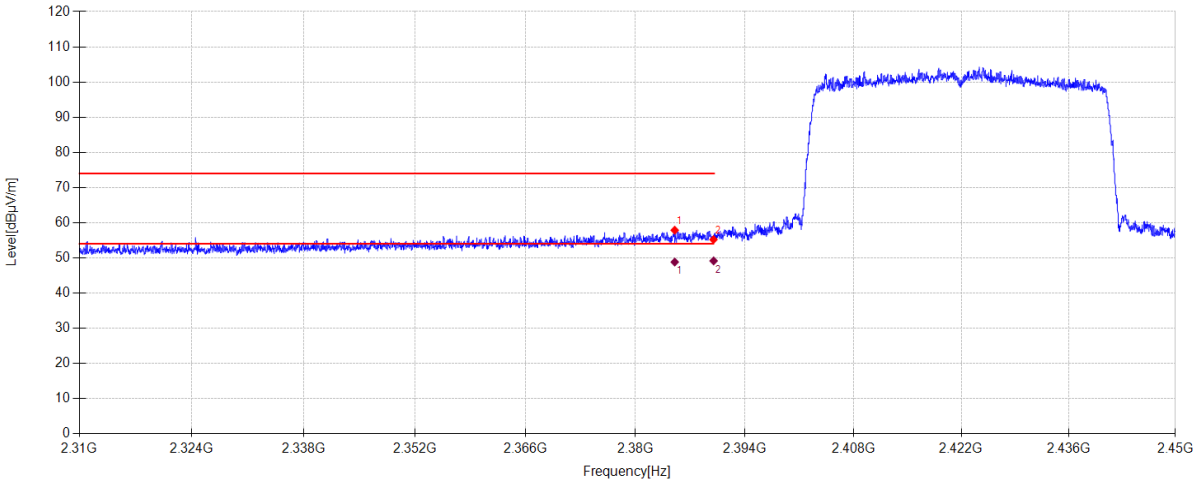
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2388.162	18.23	27.25	3.57	49.05	54.00	4.95	AV	Horizontal
2	2390.000	18.56	27.26	3.57	49.39	54.00	4.61	AV	Horizontal

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

TR-4-E-009 Radiated Emission Test Result

Test Date:	2024-11-25	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX40 MIMO 2422 MHz Tx mode	**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 300\1122 FCC Above 1G 2.4G\54		
Memo:	Sample Number: S24111411-006		

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	2385.026	27.07	27.24	3.57	0.00	57.88	74.00	16.12	PK	Vertical
2	2390.000	24.39	27.26	3.57	0.00	55.22	74.00	18.78	PK	Vertical

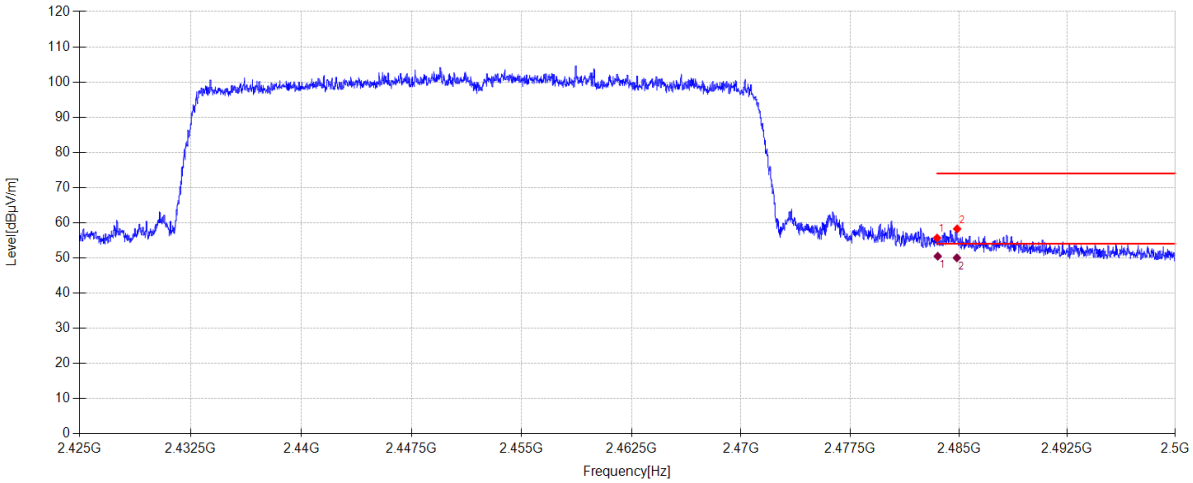
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2385.031	18.01	27.24	3.57	48.82	54.00	5.18	AV	Vertical
2	2390.015	18.32	27.26	3.57	49.15	54	4.85	AV	Vertical

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX40 MIMO 2452 MHz Tx mode	**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 300\1122 FCC Above 1G 2.4G\51		
Memo:	Sample Number: S24111411-006		

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	24.50	27.53	3.62	0.00	55.65	74.00	18.35	PK	Horizontal
2	2484.888	27.10	27.54	3.62	0.00	58.26	74.00	15.74	PK	Horizontal

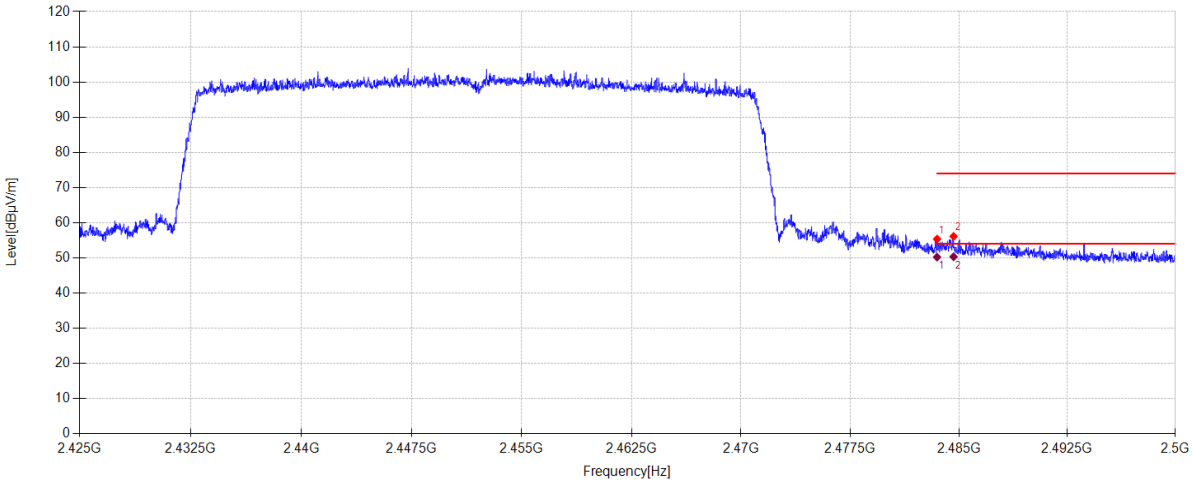
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.548	19.32	27.53	3.62	50.47	54.00	3.53	AV	Horizontal
2	2484.865	18.86	27.54	3.62	50.02	54.00	3.98	AV	Horizontal

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX40 MIMO 2452 MHz Tx mode	**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 300\1122 FCC Above 1G 2.4G\52		
Memo:	Sample Number: S24111411-006		

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	24.20	27.53	3.62	0.00	55.35	74.00	18.65	PK	Vertical
2	2484.640	24.97	27.54	3.62	0.00	56.13	74.00	17.87	PK	Vertical

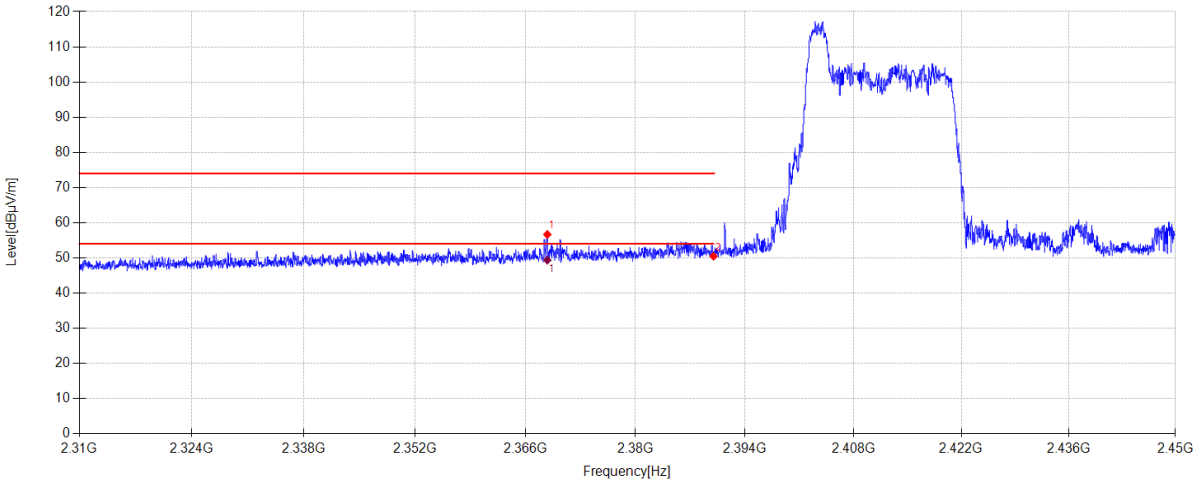
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	19.08	27.53	3.62	50.23	54.00	3.77	AV	Vertical
2	2484.640	19.17	27.54	3.62	50.33	54.00	3.67	AV	Vertical

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX20 MIMO RU0 2412 MHz Tx mode	**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 300\2.4G RU\13		
Memo:	Sample Number: S24111411-006		

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	2368.772	25.91	27.18	3.56	0.00	56.65	74.00	17.35	PK	Horizontal
2	2390.000	19.65	27.26	3.57	0.00	50.48	74.00	23.52	PK	Horizontal

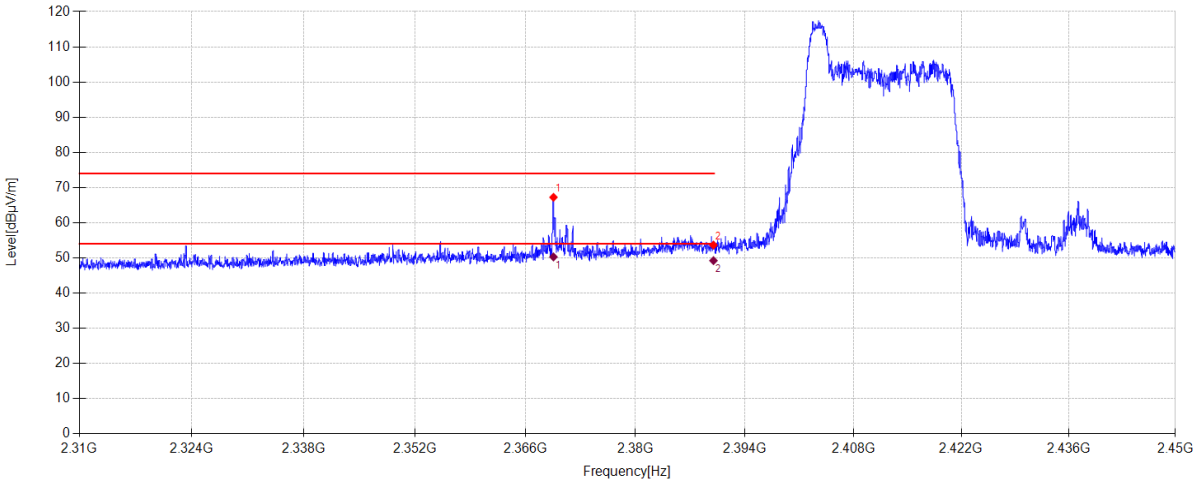
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2368.772	18.63	27.18	3.56	49.37	54.00	4.63	AV	Horizontal

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX20 MIMO RU0 2412 MHz Tx mode	**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 300\2.4G RU\14		
Memo:	Sample Number: S24111411-006		

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	2369.556	36.49	27.18	3.56	0.00	67.23	74.00	6.77	PK	Vertical
2	2390.000	22.81	27.26	3.57	0.00	53.64	74.00	20.36	PK	Vertical

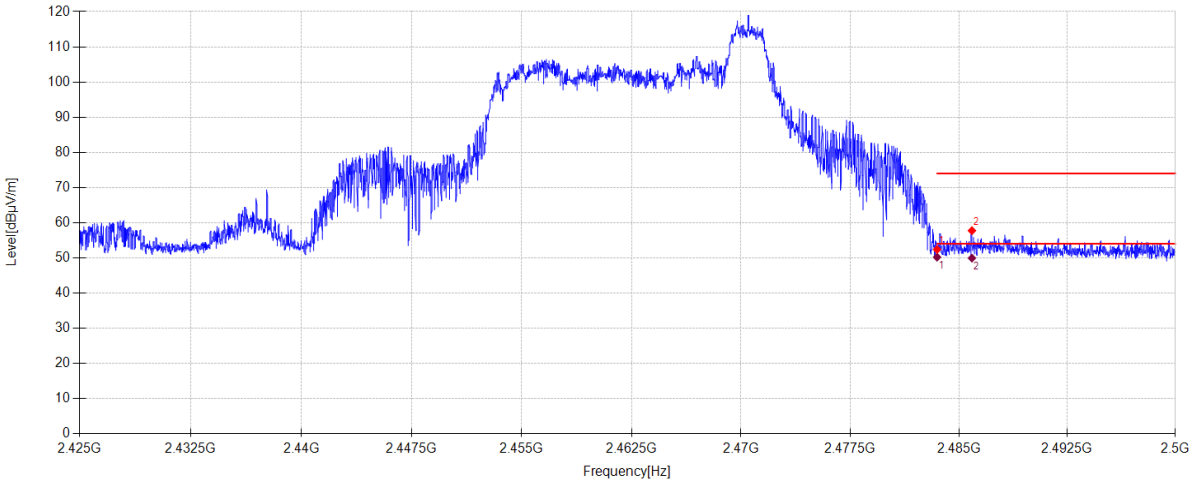
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2369.553	19.54	27.18	3.56	50.28	54.00	3.72	AV	Vertical
2	2389.995	18.40	27.26	3.57	49.23	54.00	4.77	AV	Vertical

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX20 MIMO RU0 2462 MHz Tx mode	**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 300\2.4G RU\15		
Memo:	Sample Number: S24111411-006		

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	21.26	27.53	3.62	0.00	52.41	74.00	21.59	PK	Horizontal
2	2485.908	26.59	27.54	3.62	0.00	57.75	74.00	16.25	PK	Horizontal

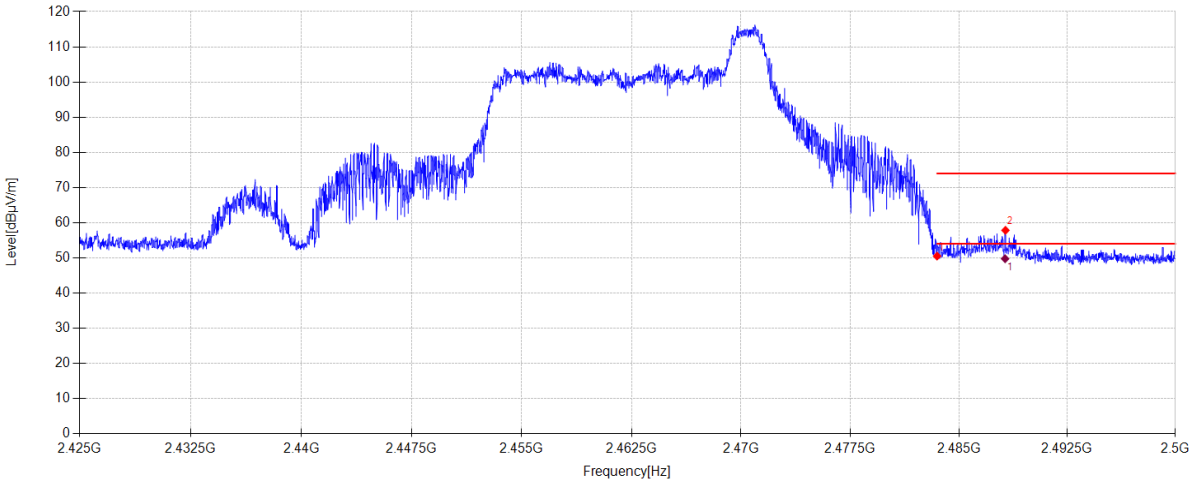
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	19.06	27.53	3.62	50.21	54.00	3.79	AV	Horizontal
2	2485.908	18.79	27.54	3.62	49.95	54.00	4.05	AV	Horizontal

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:	2024-11-22	**Tested By**:	Guoyuan Lin
EUT:	Multi-Channel Soundbar	**Model Number**:	BAR 300MK2
Test Mode:	11AX20 MIMO RU0 2462 MHz Tx mode	**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 300\2.4G RU\16		
Memo:	Sample Number: S24111411-006		

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	19.36	27.53	3.62	0.00	50.51	74.00	23.49	PK	Vertical
2	2488.225	26.68	27.55	3.62	0.00	57.85	74.00	16.15	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	2488.199	18.60	27.55	3.62	49.77	54.00	4.23	AV	Vertical

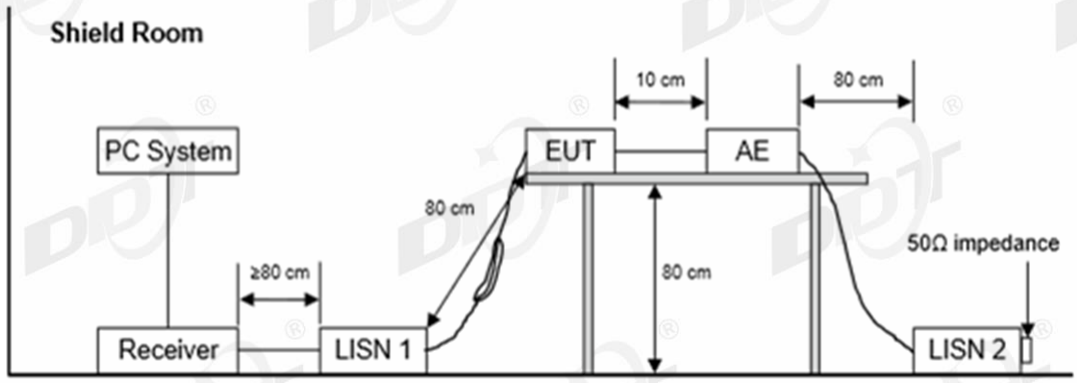
Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14.Power Line Conducted Emissions

14.1. Test equipment

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

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(uV)	Average Level dB(uV)
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.

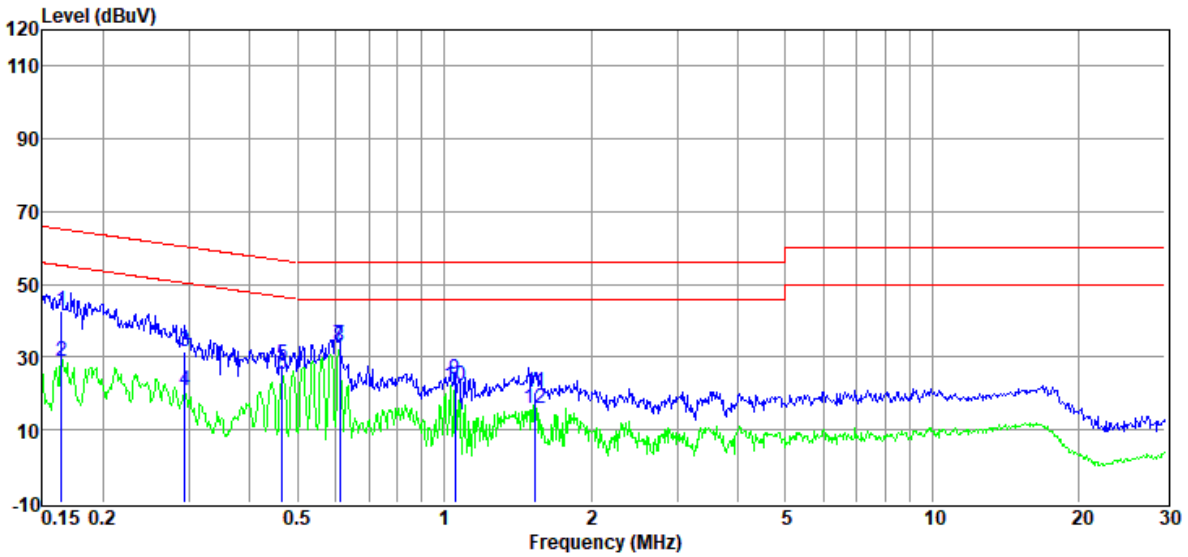
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 6# Shield Room	D:\2024 Report Date\Q24111411-2E\1212 CE.EM6	
Test Date	: 2024-12-12	**Tested By**	: Genliu
EUT	: Multi-Channel Soundbar	**Model Number**	: BAR 300MK2
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx mode
Condition	: Temp:21.9°C,Humi:52.5%	**LISN**	: 2024 ENV216 3#/NEUTRAL
Memo	: Sample Number: S24111411-006		

Data: 14



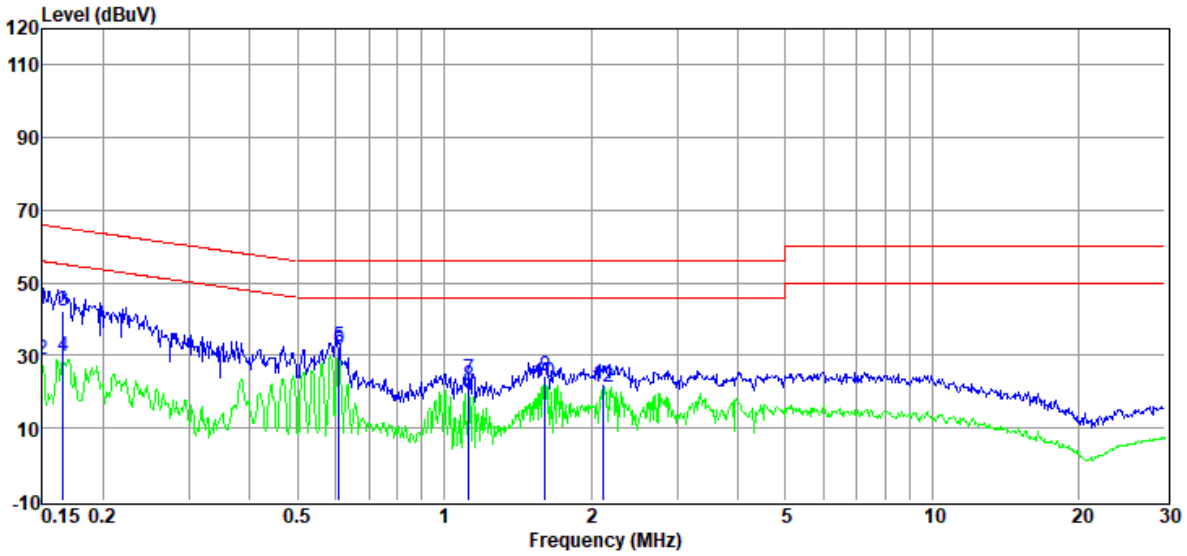
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.16	22.84	9.77	0.07	9.83	42.51	65.25	-22.74	QP	NEUTRAL
2	0.16	9.00	9.77	0.07	9.83	28.67	55.25	-26.58	Average	NEUTRAL
3	0.29	11.89	9.76	0.06	9.83	31.54	60.41	-28.87	QP	NEUTRAL
4	0.29	1.02	9.76	0.06	9.83	20.67	50.41	-29.74	Average	NEUTRAL
5	0.47	8.27	9.77	0.10	9.83	27.97	56.58	-28.61	QP	NEUTRAL
6	0.47	5.38	9.77	0.10	9.83	25.08	46.58	-21.50	Average	NEUTRAL
7	0.61	13.64	9.75	0.08	9.83	33.30	56.00	-22.70	QP	NEUTRAL
8	0.61	13.21	9.75	0.08	9.83	32.87	46.00	-13.13	Average	NEUTRAL
9	1.05	4.30	9.76	0.12	9.84	24.02	56.00	-31.98	QP	NEUTRAL
10	1.05	2.57	9.76	0.12	9.84	22.29	46.00	-23.71	Average	NEUTRAL
11	1.54	0.48	9.77	0.11	9.84	20.20	56.00	-35.80	QP	NEUTRAL
12	1.54	-3.60	9.77	0.11	9.84	16.12	46.00	-29.88	Average	NEUTRAL

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

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 6# Shield Room	D:\2024 Report Date\Q24111411-2E\1212 CE.EM6	
Test Date	: 2024-12-12	**Tested By**	: Genliu
EUT	: Multi-Channel Soundbar	**Model Number**	: BAR 300MK2
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx mode
Condition	: Temp:21.9°C,Humi:52.5%	**LISN**	: 2024 ENV216 3#/LINE
Memo	: Sample Number: S24111411-006		

Data: 16



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.15	23.21	9.78	0.07	9.83	42.89	66.00	-23.11	QP	LINE
2	0.15	9.01	9.78	0.07	9.83	28.69	56.00	-27.31	Average	LINE
3	0.17	22.74	9.78	0.07	9.83	42.42	65.16	-22.74	QP	LINE
4	0.17	10.28	9.78	0.07	9.83	29.96	55.16	-25.20	Average	LINE
5	0.61	12.81	9.75	0.09	9.83	32.48	56.00	-23.52	QP	LINE
6	0.61	11.66	9.75	0.09	9.83	31.33	46.00	-14.67	Average	LINE
7	1.12	3.75	9.74	0.12	9.84	23.45	56.00	-32.55	QP	LINE
8	1.12	1.90	9.74	0.12	9.84	21.60	46.00	-24.40	Average	LINE
9	1.61	4.53	9.75	0.11	9.84	24.23	56.00	-31.77	QP	LINE
10	1.61	2.96	9.75	0.11	9.84	22.66	46.00	-23.34	Average	LINE
11	2.12	2.47	9.75	0.11	9.84	22.17	56.00	-33.83	QP	LINE
12	2.12	1.78	9.75	0.11	9.84	21.48	46.00	-24.52	Average	LINE

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

16. Photos of the EUT

Please refer to DDT-Q24111411-2E appendix I

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