

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

ANT2 11A 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

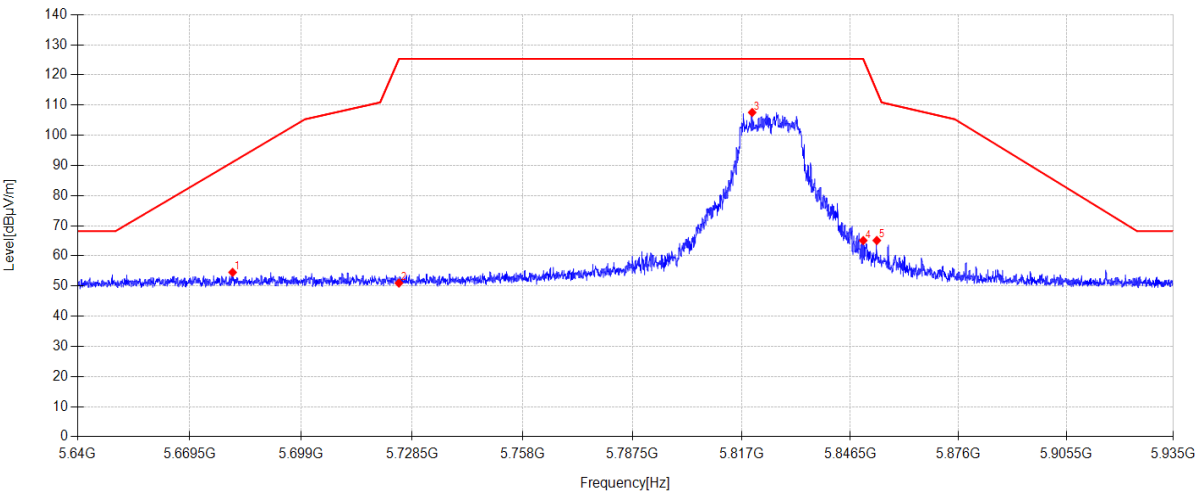
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5680.887	44.76	33.52	5.85	-29.60	54.53	91.12	36.59	PK	Vertical
2	5725.000	40.96	33.75	5.87	-29.60	50.98	125.30	74.32	PK	Vertical
3	5819.862	97.13	34.12	5.92	-29.60	107.57	125.30	17.73	PK	Vertical
4	5850.000	54.74	34.00	5.94	-29.60	65.08	125.27	60.19	PK	Vertical
5	5853.698	54.76	34.01	5.94	-29.60	65.11	114.65	49.54	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11N20 MIMO 5745 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

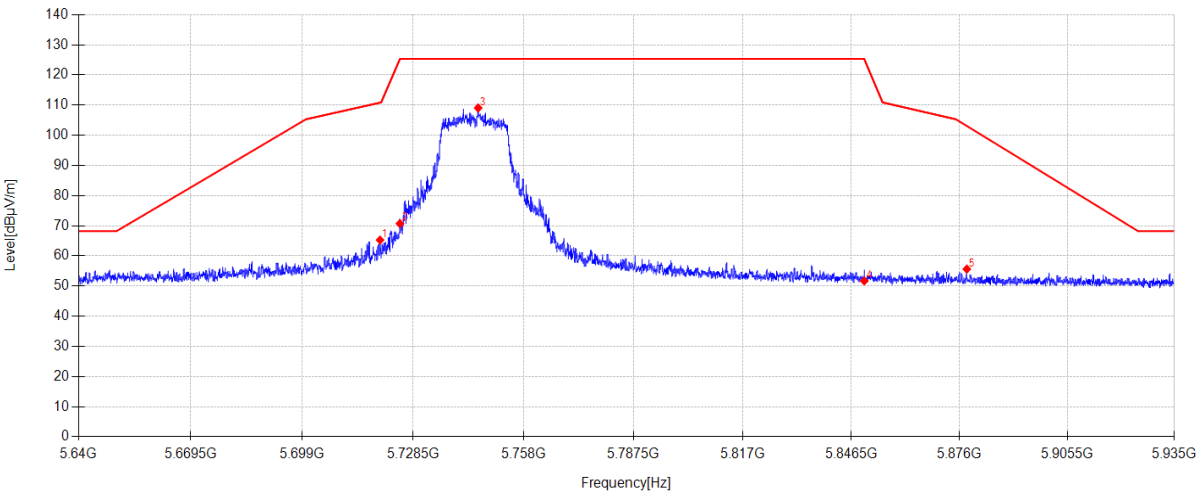
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5719.709	55.27	33.72	5.87	-29.60	65.26	110.82	45.56	PK	Horizontal
2	5725.000	60.69	33.75	5.87	-29.60	70.71	125.30	54.59	PK	Horizontal
3	5745.876	98.91	33.88	5.88	-29.60	109.07	125.30	16.23	PK	Horizontal
4	5850.000	41.37	34.00	5.94	-29.60	51.71	125.27	73.56	PK	Horizontal
5	5877.977	45.21	34.06	5.95	-29.60	55.62	103.09	47.47	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11N20 MIMO 5745 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

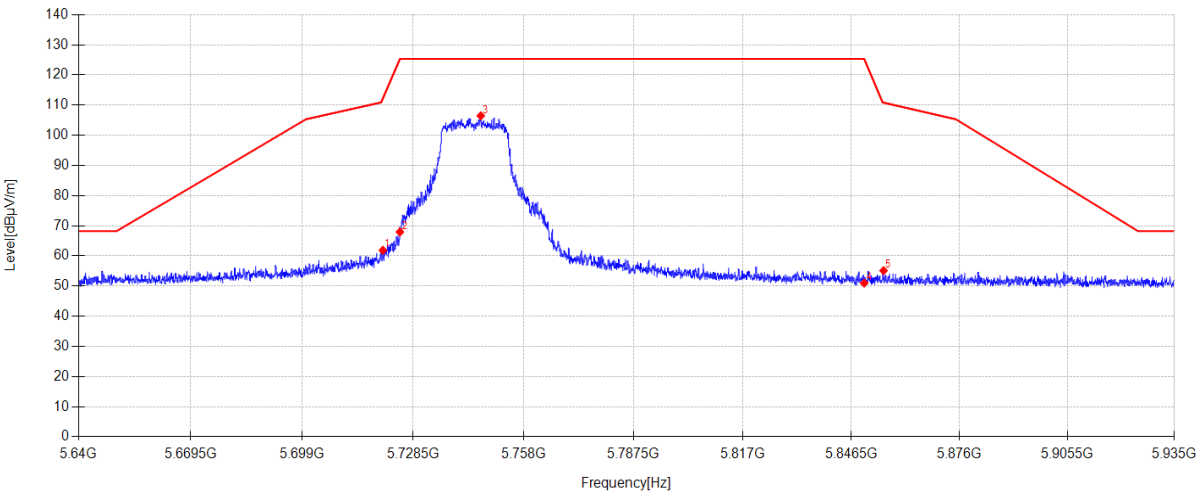
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5720.447	51.87	33.72	5.87	-29.60	61.86	112.19	50.33	PK	Vertical
2	5725.000	57.92	33.75	5.87	-29.60	67.94	125.30	57.36	PK	Vertical
3	5746.584	96.30	33.88	5.88	-29.60	106.46	125.30	18.84	PK	Vertical
4	5850.000	40.63	34.00	5.94	-29.60	50.97	125.27	74.30	PK	Vertical
5	5855.262	44.74	34.01	5.94	-29.60	55.09	110.83	55.74	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11N20 MIMO 5785 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

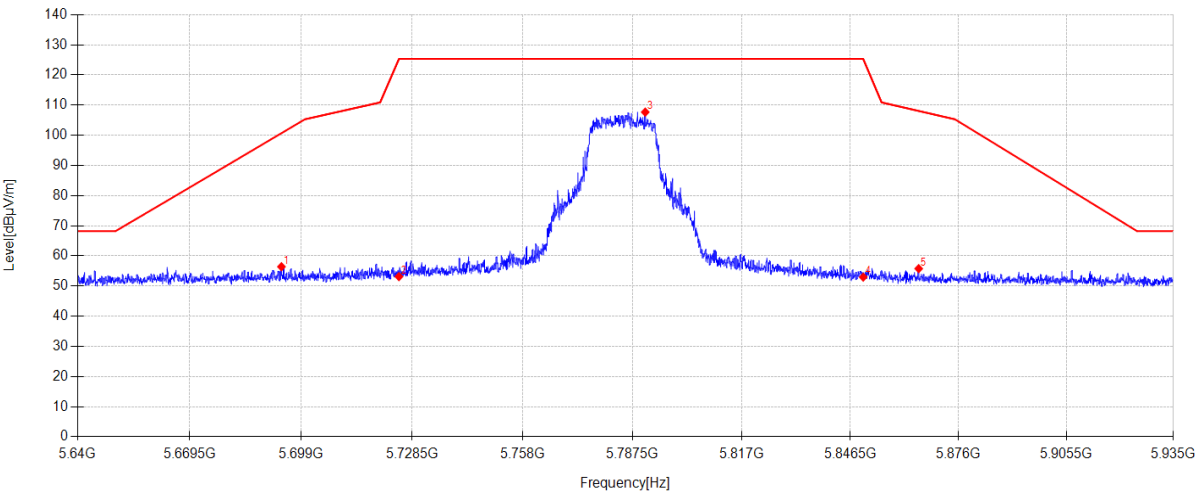
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5693.808	46.57	33.58	5.86	-29.60	56.41	100.71	44.30	PK	Horizontal
2	5725.000	43.10	33.75	5.87	-29.60	53.12	125.30	72.18	PK	Horizontal
3	5790.981	97.22	34.15	5.91	-29.60	107.68	125.30	17.62	PK	Horizontal
4	5850.000	42.63	34.00	5.94	-29.60	52.97	125.27	72.30	PK	Horizontal
5	5865.115	45.40	34.03	5.94	-29.60	55.77	108.07	52.30	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11N20 MIMO 5785 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

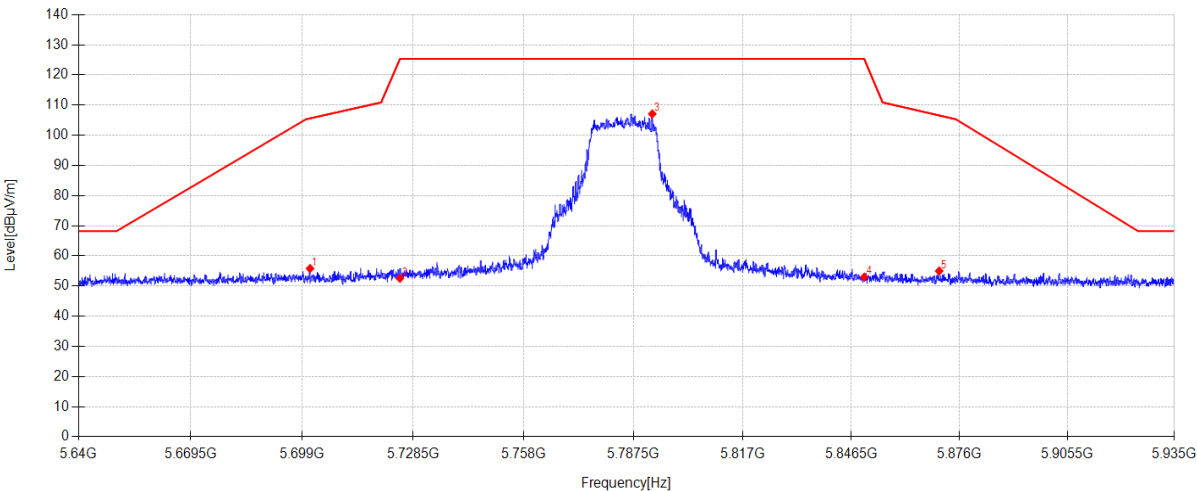
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5701.124	45.94	33.61	5.86	-29.60	55.81	105.61	49.80	PK	Vertical
2	5725.000	42.53	33.75	5.87	-29.60	52.55	125.30	72.75	PK	Vertical
3	5792.604	96.61	34.16	5.91	-29.60	107.08	125.30	18.22	PK	Vertical
4	5850.000	42.63	34.00	5.94	-29.60	52.97	125.27	72.30	PK	Vertical
5	5870.425	44.59	34.04	5.95	-29.60	54.98	106.58	51.60	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11N20 MIMO 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

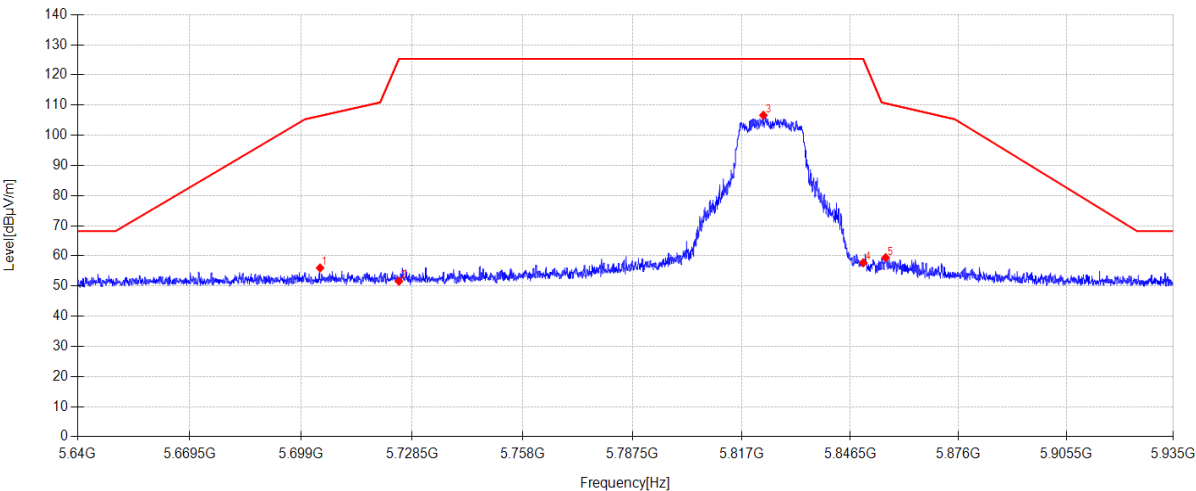
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5704.045	46.12	33.62	5.86	-29.60	56.00	106.43	50.43	PK	Horizontal
2	5725.000	41.56	33.75	5.87	-29.60	51.58	125.30	73.72	PK	Horizontal
3	5822.900	96.21	34.11	5.92	-29.60	106.64	125.30	18.66	PK	Horizontal
4	5850.000	47.37	34.00	5.94	-29.60	57.71	125.27	67.56	PK	Horizontal
5	5856.088	49.06	34.01	5.94	-29.60	59.41	110.60	51.19	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11N20 MIMO 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

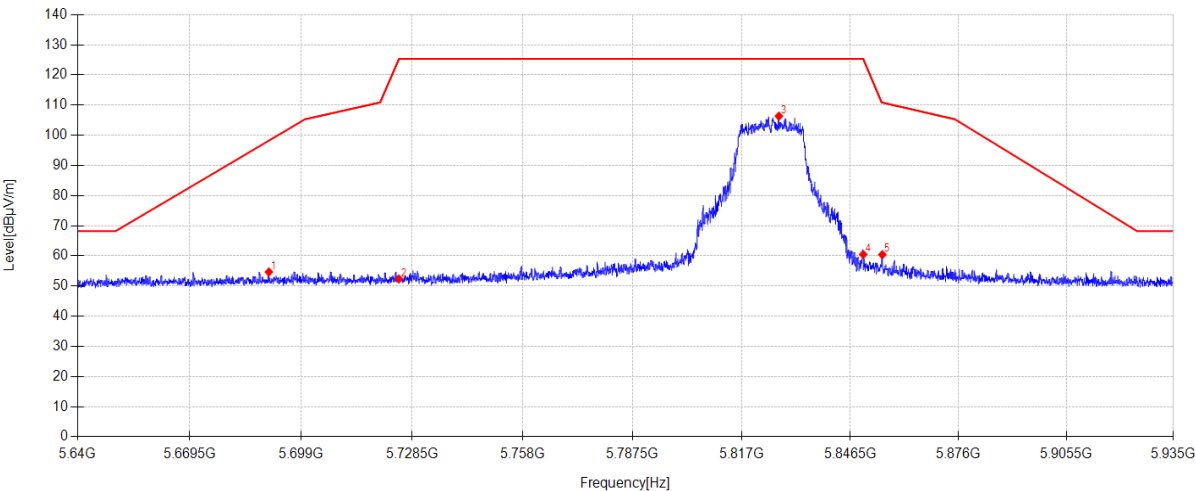
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5690.475	44.84	33.56	5.86	-29.60	54.66	98.23	43.57	PK	Vertical
2	5725.000	42.31	33.75	5.87	-29.60	52.33	125.30	72.97	PK	Vertical
3	5827.089	95.93	34.09	5.92	-29.60	106.34	125.30	18.96	PK	Vertical
4	5850.000	50.13	34.00	5.94	-29.60	60.47	125.27	64.80	PK	Vertical
5	5855.203	50.06	34.01	5.94	-29.60	60.41	110.84	50.43	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11N40 MIMO 5755 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

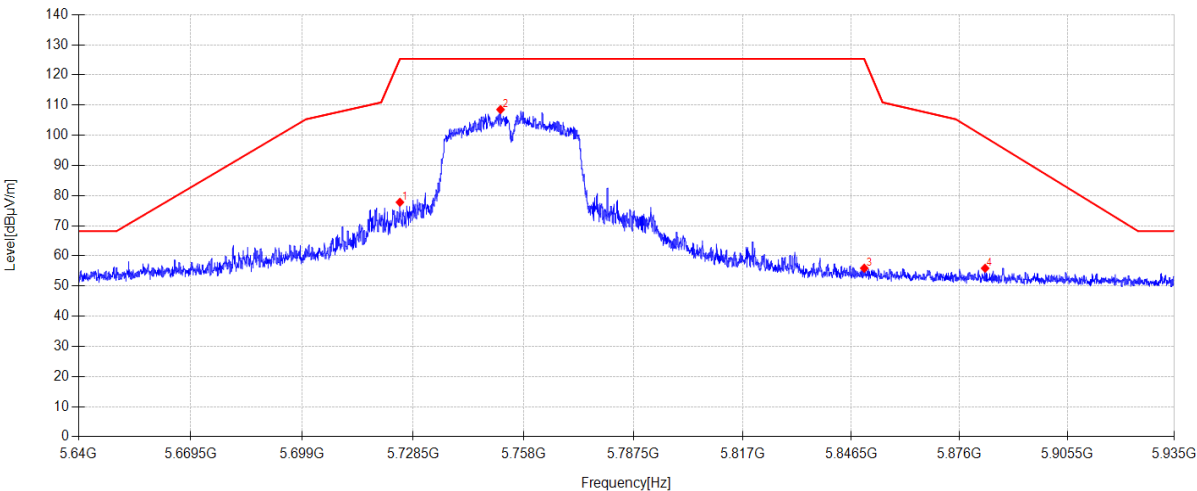
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	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	67.77	33.75	5.87	-29.60	77.79	125.30	47.51	PK	Horizontal
2	5751.864	98.33	33.91	5.89	-29.60	108.53	125.30	16.77	PK	Horizontal
3	5850.000	45.57	34.00	5.94	-29.60	55.91	125.27	69.36	PK	Horizontal
4	5882.992	45.48	34.07	5.95	-29.60	55.90	99.37	43.47	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: 2024-09-15 Tested By: Guoyuan Lin

EUT: Wireless Multi-Channel Soundbar Model Number: ENCHANT 900

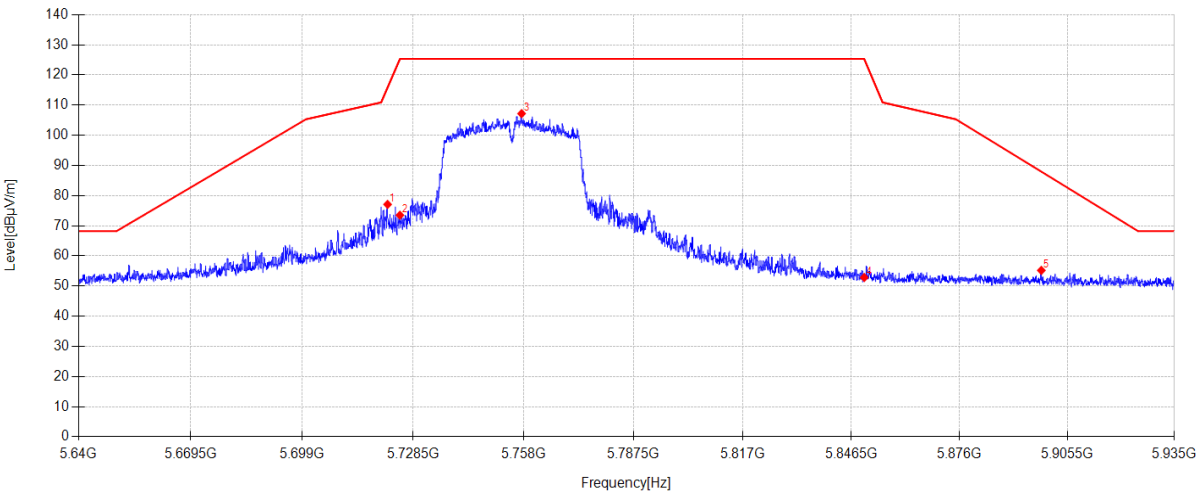
Test Mode: 11N40 MIMO 5755 MHz Mode Power Supply: AC 120V/60Hz

Condition: Temp:23.5°C;Humi:65.2% Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24081428-1\FCC RE Above 1G 5G MASK\36

Memo: Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5721.715	67.07	33.73	5.87	-29.60	77.07	115.84	38.77	PK	Vertical
2	5725.000	63.48	33.75	5.87	-29.60	73.50	125.30	51.80	PK	Vertical
3	5757.499	96.96	33.94	5.89	-29.60	107.19	125.30	18.11	PK	Vertical
4	5850.000	42.49	34.00	5.94	-29.60	52.83	125.27	72.44	PK	Vertical
5	5898.391	44.73	34.10	5.96	-29.60	55.19	87.94	32.75	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11N40 MIMO 5795 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

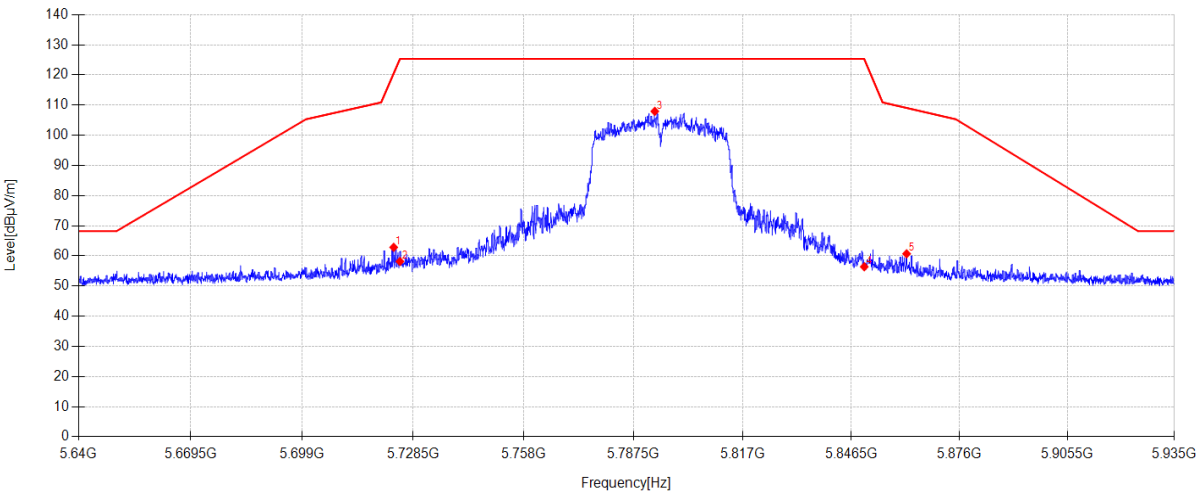
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5723.338	52.83	33.74	5.87	-29.60	62.84	120.51	57.67	PK	Horizontal
2	5725.000	48.12	33.75	5.87	-29.60	58.14	125.30	67.16	PK	Horizontal
3	5793.282	97.46	34.16	5.91	-29.60	107.93	125.30	17.37	PK	Horizontal
4	5850.000	46.05	34.00	5.94	-29.60	56.39	125.27	68.88	PK	Horizontal
5	5861.545	50.33	34.02	5.94	-29.60	60.69	109.07	48.38	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11N40 MIMO 5795 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

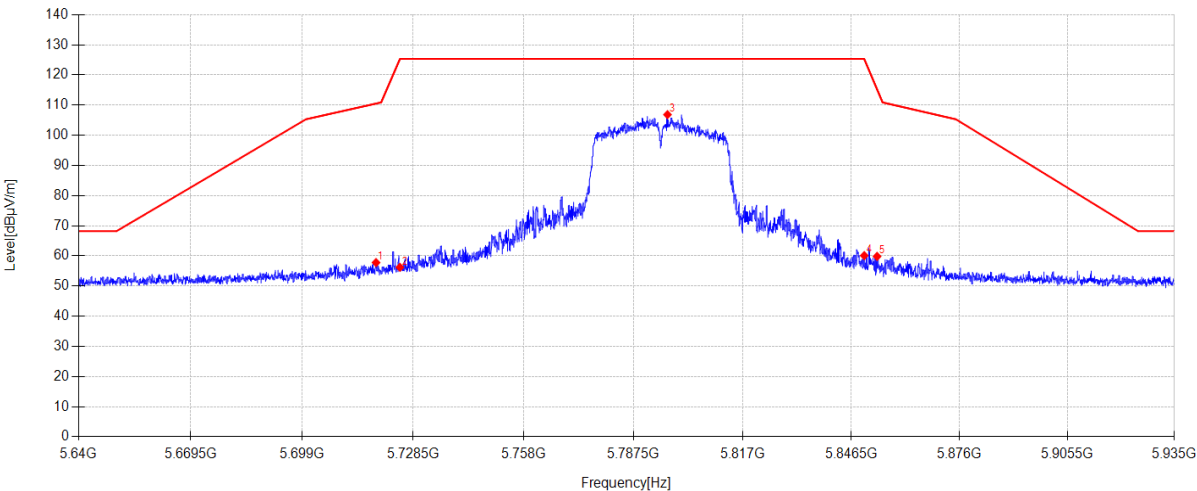
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5718.647	47.80	33.71	5.87	-29.60	57.78	110.52	52.74	PK	Vertical
2	5725.000	46.19	33.75	5.87	-29.60	56.21	125.30	69.09	PK	Vertical
3	5796.704	96.36	34.18	5.91	-29.60	106.85	125.30	18.45	PK	Vertical
4	5850.000	49.76	34.00	5.94	-29.60	60.10	125.27	65.17	PK	Vertical
5	5853.492	49.48	34.01	5.94	-29.60	59.83	115.24	55.41	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC20 MIMO 5745 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

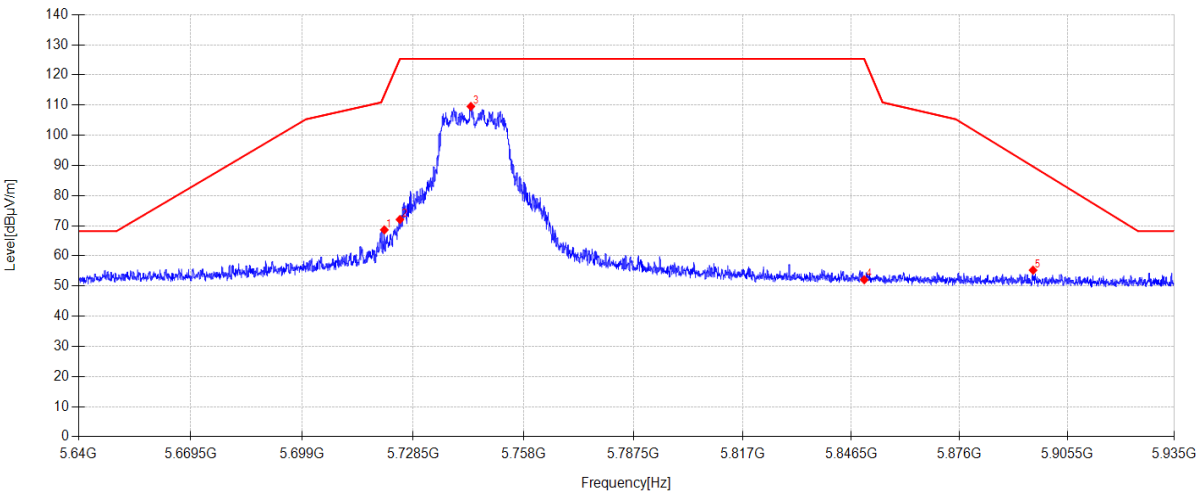
File Path:

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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5720.860	58.63	33.73	5.87	-29.60	68.63	113.38	44.75	PK	Horizontal
2	5725.000	62.04	33.75	5.87	-29.60	72.06	125.30	53.24	PK	Horizontal
3	5743.929	99.42	33.86	5.88	-29.60	109.56	125.30	15.74	PK	Horizontal
4	5850.000	41.75	34.00	5.94	-29.60	52.09	125.27	73.18	PK	Horizontal
5	5896.119	44.81	34.09	5.96	-29.60	55.26	89.63	34.37	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC20 MIMO 5745 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

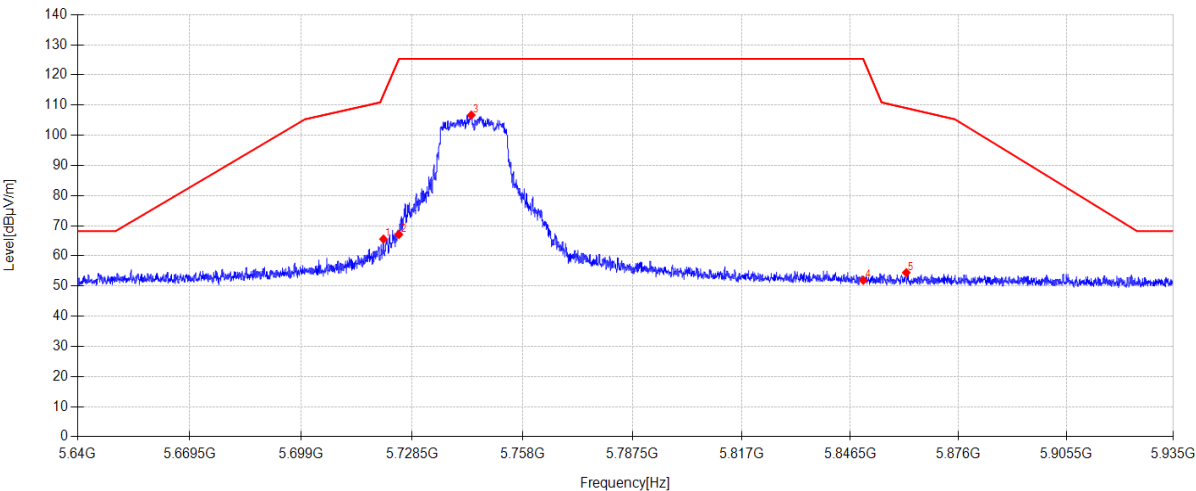
File Path:

d:\ts\2024 report data\Q24081428-1\FCC RE Above 1G 5G MASK\28

Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5720.889	55.58	33.73	5.87	-29.60	65.58	113.46	47.88	PK	Vertical
2	5725.000	57.07	33.75	5.87	-29.60	67.09	125.30	58.21	PK	Vertical
3	5744.312	96.56	33.87	5.88	-29.60	106.71	125.30	18.59	PK	Vertical
4	5850.000	41.58	34.00	5.94	-29.60	51.92	125.27	73.35	PK	Vertical
5	5861.722	44.08	34.02	5.94	-29.60	54.44	109.02	54.58	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC20 MIMO 5785 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

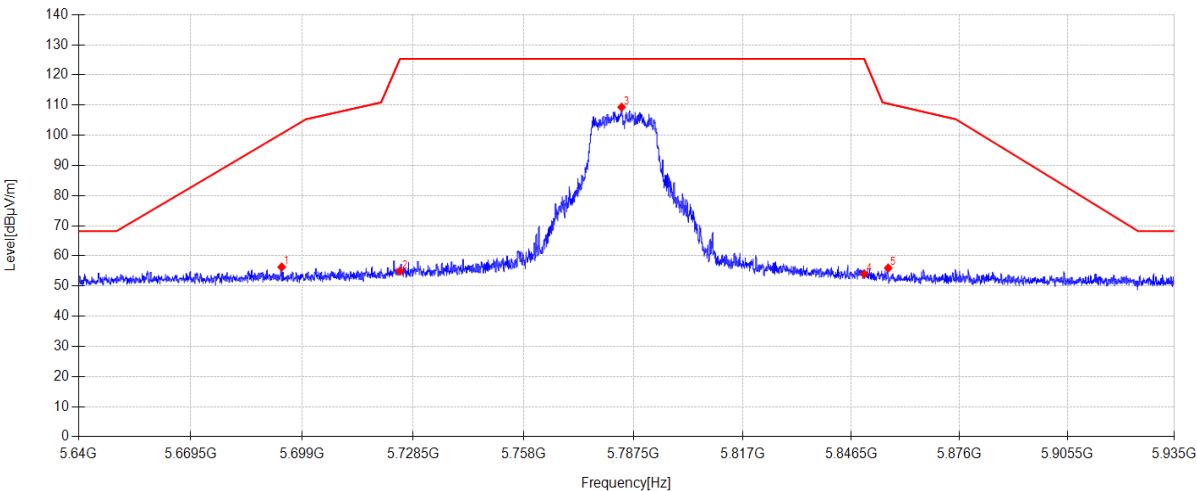
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d:\ts\2024 report data\Q24081428-1\FCC RE Above 1G 5G MASK\21

Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5693.602	46.46	33.57	5.86	-29.60	56.29	100.55	44.26	PK	Horizontal
2	5725.000	44.93	33.75	5.87	-29.60	54.95	125.30	70.35	PK	Horizontal
3	5784.344	98.92	34.11	5.90	-29.60	109.33	125.30	15.97	PK	Horizontal
4	5850.000	43.70	34.00	5.94	-29.60	54.04	125.27	71.23	PK	Horizontal
5	5856.530	45.62	34.01	5.94	-29.60	55.97	110.47	54.50	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC20 MIMO 5785 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

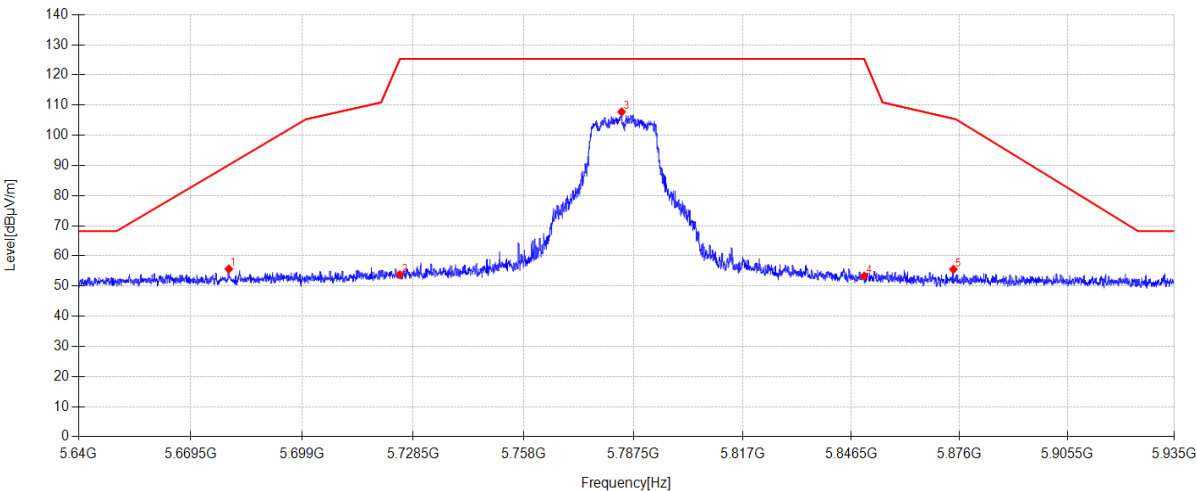
File Path:

d:\ts\2024 report data\Q24081428-1\FCC RE Above 1G 5G MASK\22

Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5679.619	45.86	33.52	5.85	-29.60	55.63	90.18	34.55	PK	Vertical
2	5725.000	43.74	33.75	5.87	-29.60	53.76	125.30	71.54	PK	Vertical
3	5784.344	97.35	34.11	5.90	-29.60	107.76	125.30	17.54	PK	Vertical
4	5850.000	42.96	34.00	5.94	-29.60	53.30	125.27	71.97	PK	Vertical
5	5874.319	45.14	34.05	5.95	-29.60	55.54	105.49	49.95	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC20 MIMO 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

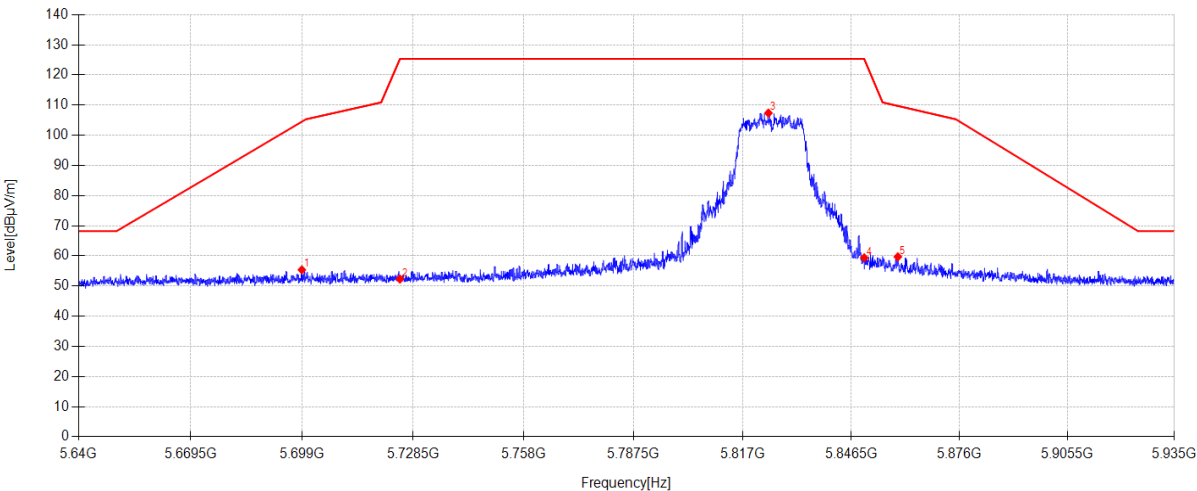
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5698.941	45.52	33.60	5.86	-29.60	55.38	104.51	49.13	PK	Horizontal
2	5725.000	42.28	33.75	5.87	-29.60	52.30	125.30	73.00	PK	Horizontal
3	5823.992	96.95	34.10	5.92	-29.60	107.37	125.30	17.93	PK	Horizontal
4	5850.000	49.03	34.00	5.94	-29.60	59.37	125.27	65.90	PK	Horizontal
5	5859.156	49.33	34.02	5.94	-29.60	59.69	109.74	50.05	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC20 MIMO 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

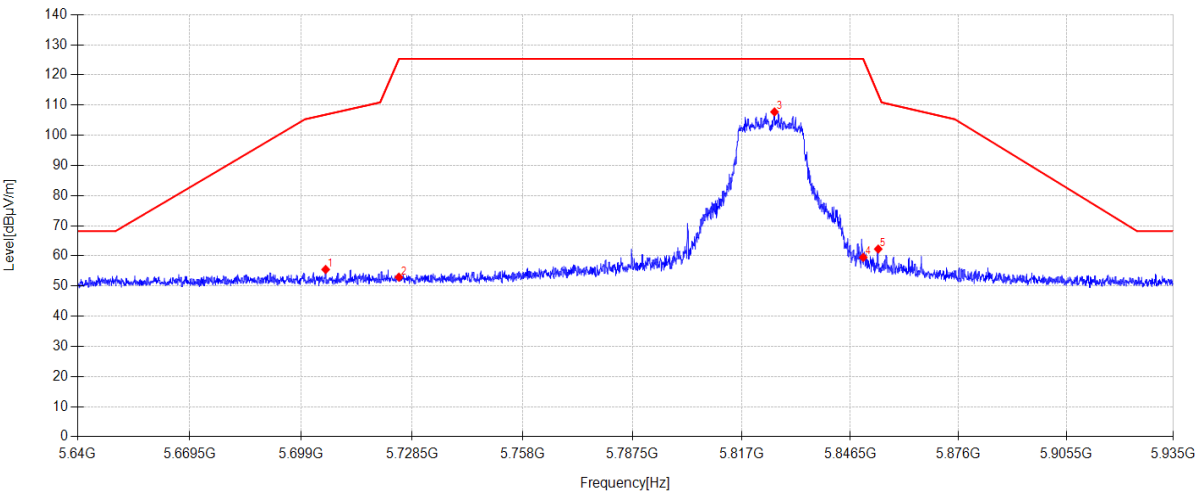
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5705.520	45.60	33.63	5.86	-29.60	55.49	106.85	51.36	PK	Vertical
2	5725.000	42.92	33.75	5.87	-29.60	52.94	125.30	72.36	PK	Vertical
3	5825.909	97.33	34.10	5.92	-29.60	107.75	125.30	17.55	PK	Vertical
4	5850.000	49.17	34.00	5.94	-29.60	59.51	125.27	65.76	PK	Vertical
5	5854.082	51.92	34.01	5.94	-29.60	62.27	113.55	51.28	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC40 MIMO 5755 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

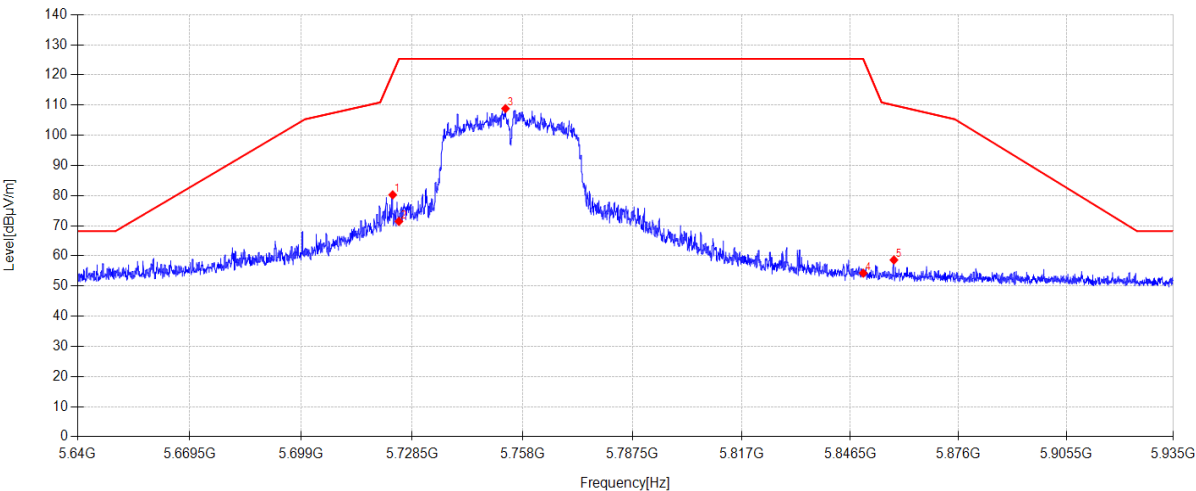
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d:\ts\2024 report data\Q24081428-1E\FCC RE Above 1G 5G MASK\33

Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5723.338	70.23	33.74	5.87	-29.60	80.24	120.51	40.27	PK	Horizontal
2	5725.000	61.43	33.75	5.87	-29.60	71.45	125.30	53.85	PK	Horizontal
3	5753.457	98.65	33.92	5.89	-29.60	108.86	125.30	16.44	PK	Horizontal
4	5850.000	43.94	34.00	5.94	-29.60	54.28	125.27	70.99	PK	Horizontal
5	5858.359	48.29	34.02	5.94	-29.60	58.65	109.96	51.31	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC40 MIMO 5755 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

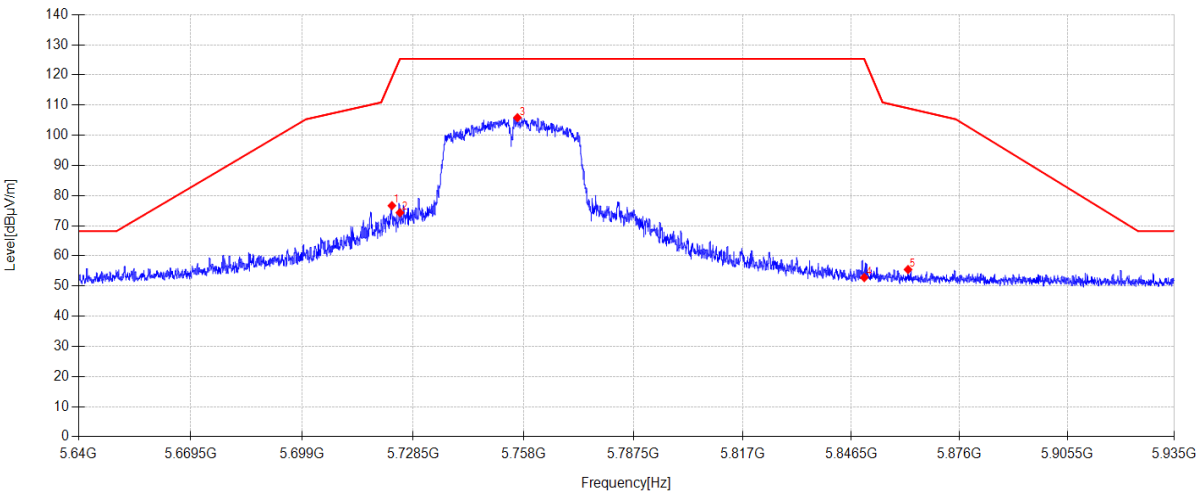
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5722.866	66.64	33.74	5.87	-29.60	76.65	119.15	42.50	PK	Vertical
2	5725.000	64.31	33.75	5.87	-29.60	74.33	125.30	50.97	PK	Vertical
3	5756.378	95.60	33.94	5.89	-29.60	105.83	125.30	19.47	PK	Vertical
4	5850.000	42.46	34.00	5.94	-29.60	52.80	125.27	72.47	PK	Vertical
5	5861.929	45.11	34.02	5.94	-29.60	55.47	108.96	53.49	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC40 MIMO 5795 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

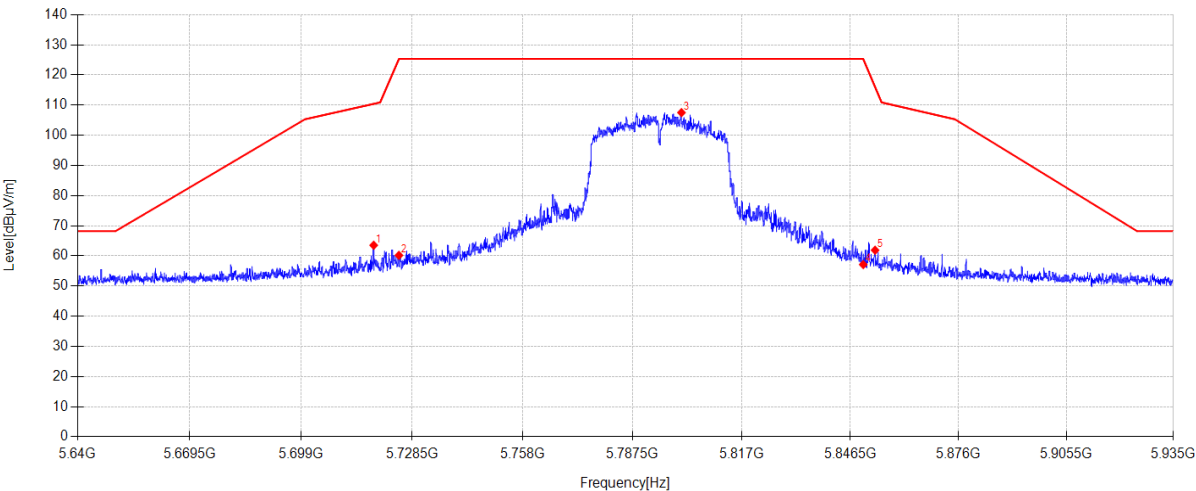
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5718.293	53.54	33.71	5.87	-29.60	63.52	110.42	46.90	PK	Horizontal
2	5725.000	50.15	33.75	5.87	-29.60	60.17	125.30	65.13	PK	Horizontal
3	5800.746	97.01	34.20	5.91	-29.60	107.52	125.30	17.78	PK	Horizontal
4	5850.000	46.78	34.00	5.94	-29.60	57.12	125.27	68.15	PK	Horizontal
5	5853.226	51.54	34.01	5.94	-29.60	61.89	116.01	54.12	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC40 MIMO 5795 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

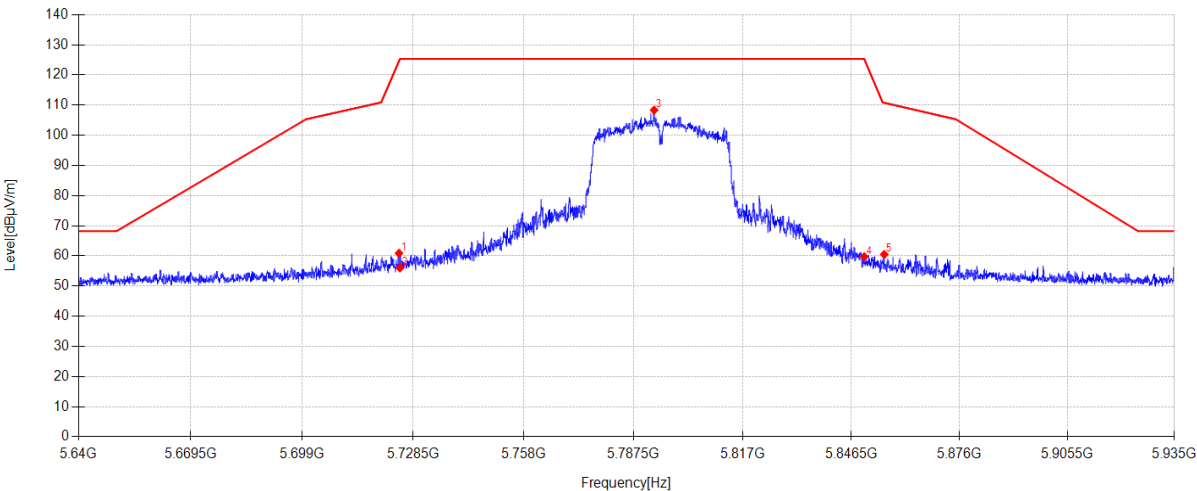
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5724.754	50.85	33.75	5.87	-29.60	60.87	124.59	63.72	PK	Vertical
2	5725.000	45.96	33.75	5.87	-29.60	55.98	125.30	69.32	PK	Vertical
3	5793.105	97.89	34.16	5.91	-29.60	108.36	125.30	16.94	PK	Vertical
4	5850.000	49.40	34.00	5.94	-29.60	59.74	125.27	65.53	PK	Vertical
5	5855.439	50.12	34.01	5.94	-29.60	60.47	110.78	50.31	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC80 MIMO 5775 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

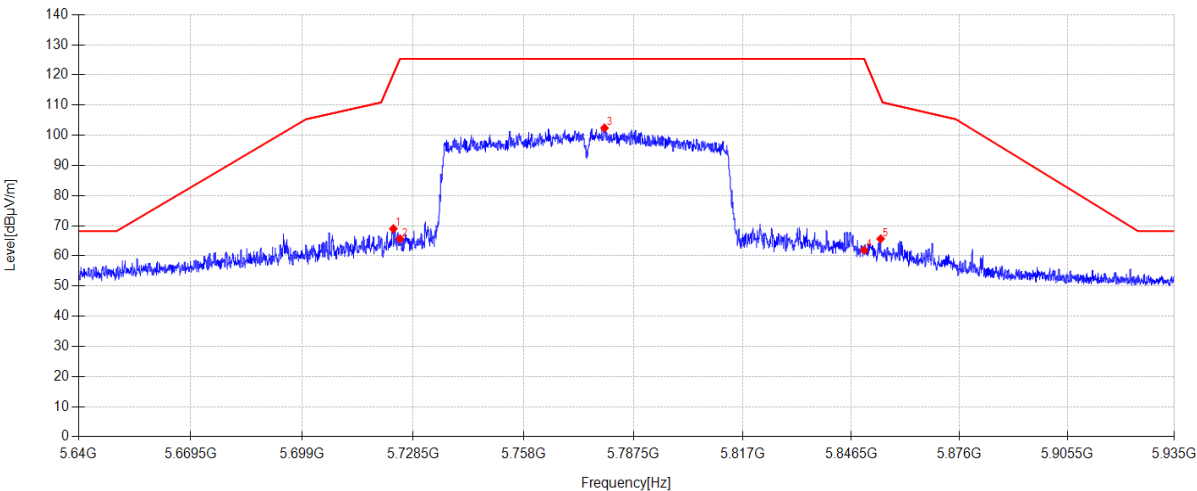
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5723.249	58.98	33.74	5.87	-29.60	68.99	120.26	51.27	PK	Horizontal
2	5725.000	55.62	33.75	5.87	-29.60	65.64	125.30	59.66	PK	Horizontal
3	5779.742	92.02	34.08	5.90	-29.60	102.40	125.30	22.90	PK	Horizontal
4	5850.000	51.55	34.00	5.94	-29.60	61.89	125.27	63.38	PK	Horizontal
5	5854.465	55.29	34.01	5.94	-29.60	65.64	112.44	46.80	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AC80 MIMO 5775 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

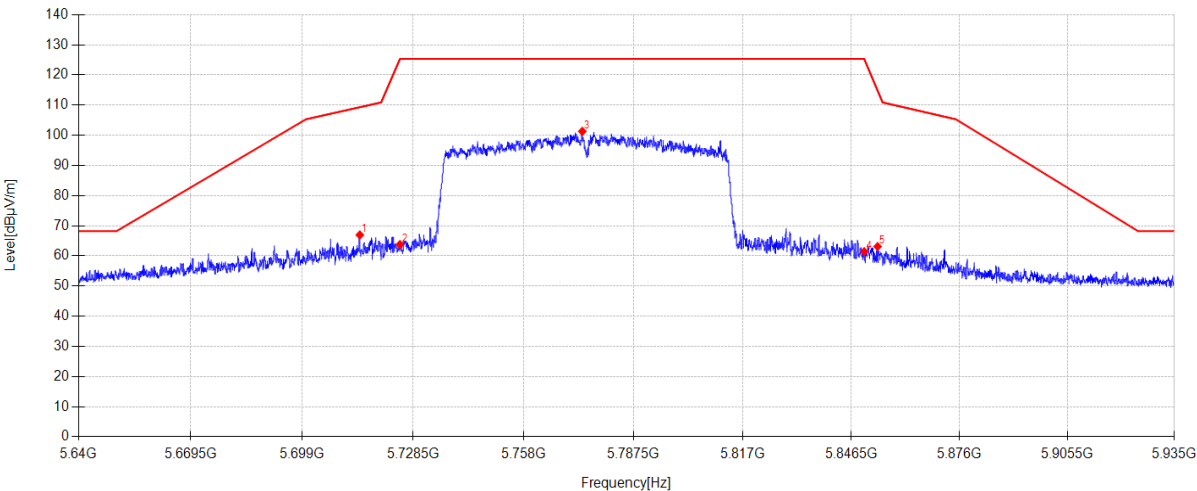
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5714.340	56.98	33.69	5.87	-29.60	66.94	109.32	42.38	PK	Vertical
2	5725.000	53.74	33.75	5.87	-29.60	63.76	125.30	61.54	PK	Vertical
3	5773.783	90.97	34.04	5.90	-29.60	101.31	125.30	23.99	PK	Vertical
4	5850.000	51.06	34.00	5.94	-29.60	61.40	125.27	63.87	PK	Vertical
5	5853.639	52.75	34.01	5.94	-29.60	63.10	114.82	51.72	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX20 MIMO 5745 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

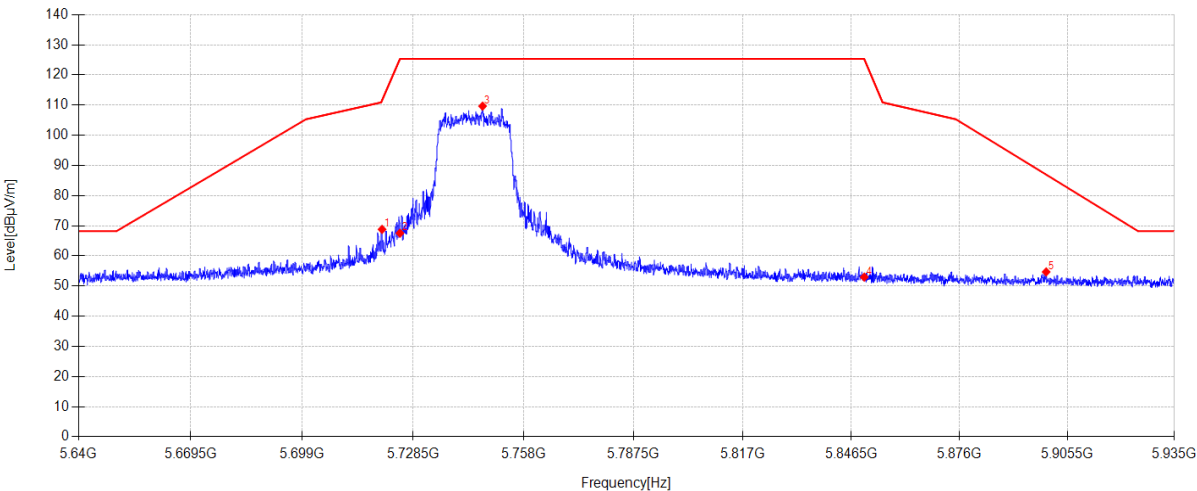
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5720.240	58.79	33.72	5.87	-29.60	68.78	111.59	42.81	PK	Horizontal
2	5725.000	57.52	33.75	5.87	-29.60	67.54	125.30	57.76	PK	Horizontal
3	5747.056	99.50	33.88	5.88	-29.60	109.66	125.30	15.64	PK	Horizontal
4	5850.000	42.62	34.00	5.94	-29.60	52.96	125.27	72.31	PK	Horizontal
5	5899.718	44.22	34.10	5.96	-29.60	54.68	86.96	32.28	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX20 MIMO 5745 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

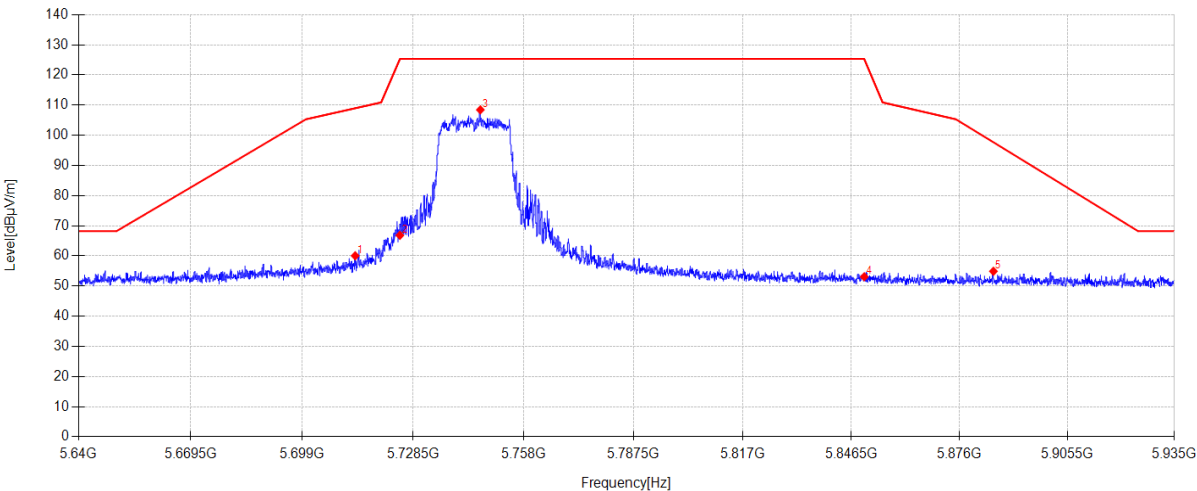
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5713.101	50.08	33.68	5.87	-29.60	60.03	108.97	48.94	PK	Vertical
2	5725.000	56.81	33.75	5.87	-29.60	66.83	125.30	58.47	PK	Vertical
3	5746.466	98.29	33.88	5.88	-29.60	108.45	125.30	16.85	PK	Vertical
4	5850.000	42.74	34.00	5.94	-29.60	53.08	125.27	72.19	PK	Vertical
5	5885.263	44.47	34.07	5.95	-29.60	54.89	97.68	42.79	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX20 MIMO 5785 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

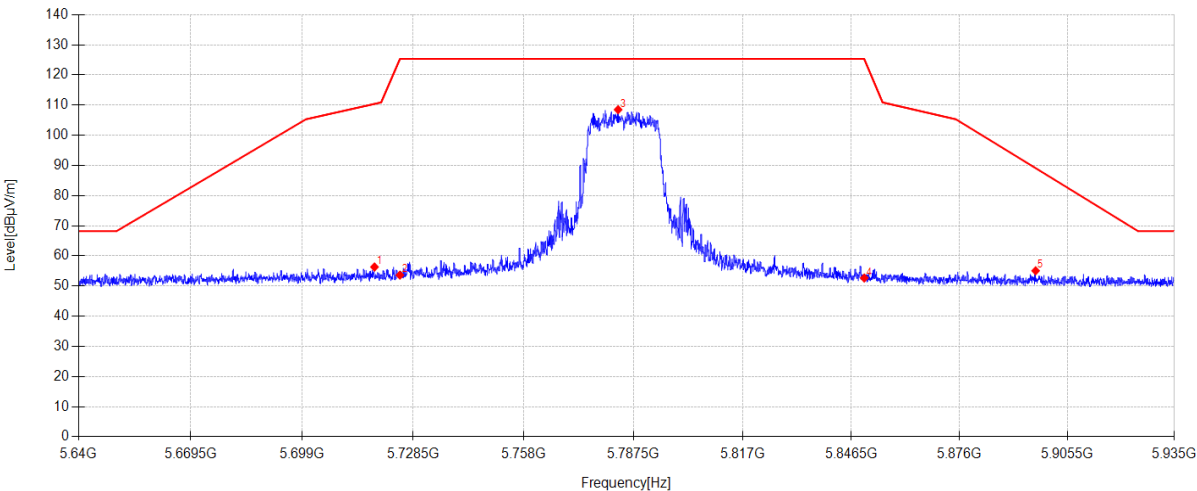
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5718.234	46.33	33.71	5.87	-29.60	56.31	110.41	54.10	PK	Horizontal
2	5725.000	43.60	33.75	5.87	-29.60	53.62	125.30	71.68	PK	Horizontal
3	5783.400	98.09	34.10	5.90	-29.60	108.49	125.30	16.81	PK	Horizontal
4	5850.000	42.33	34.00	5.94	-29.60	52.67	125.27	72.60	PK	Horizontal
5	5896.827	44.61	34.09	5.96	-29.60	55.06	89.10	34.04	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX20 MIMO 5785 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

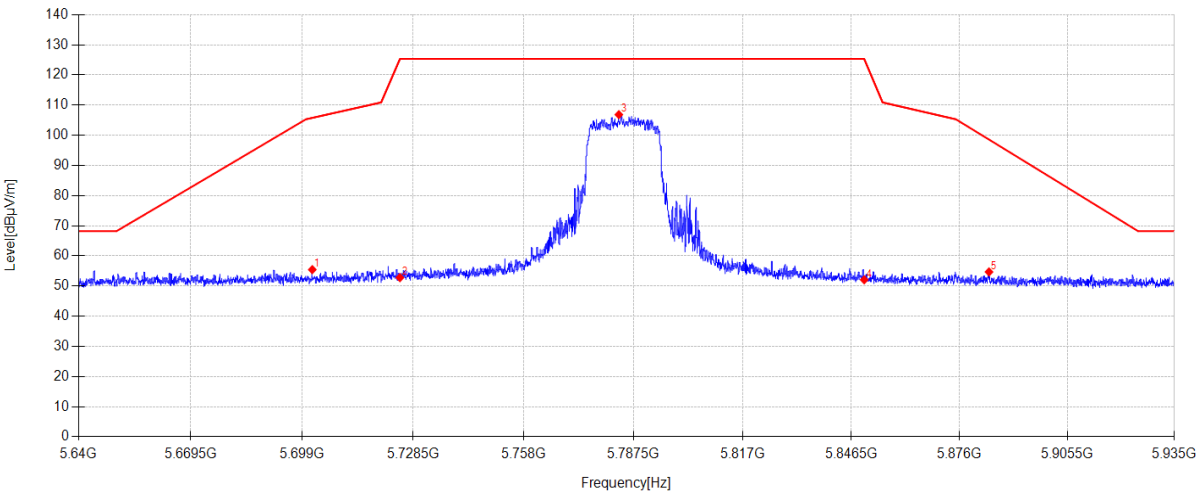
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5701.714	45.57	33.61	5.86	-29.60	55.44	105.78	50.34	PK	Vertical
2	5725.000	42.77	33.75	5.87	-29.60	52.79	125.30	72.51	PK	Vertical
3	5783.606	96.44	34.10	5.90	-29.60	106.84	125.30	18.46	PK	Vertical
4	5850.000	41.73	34.00	5.94	-29.60	52.07	125.27	73.20	PK	Vertical
5	5884.054	44.26	34.07	5.95	-29.60	54.68	98.58	43.90	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX20 MIMO 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

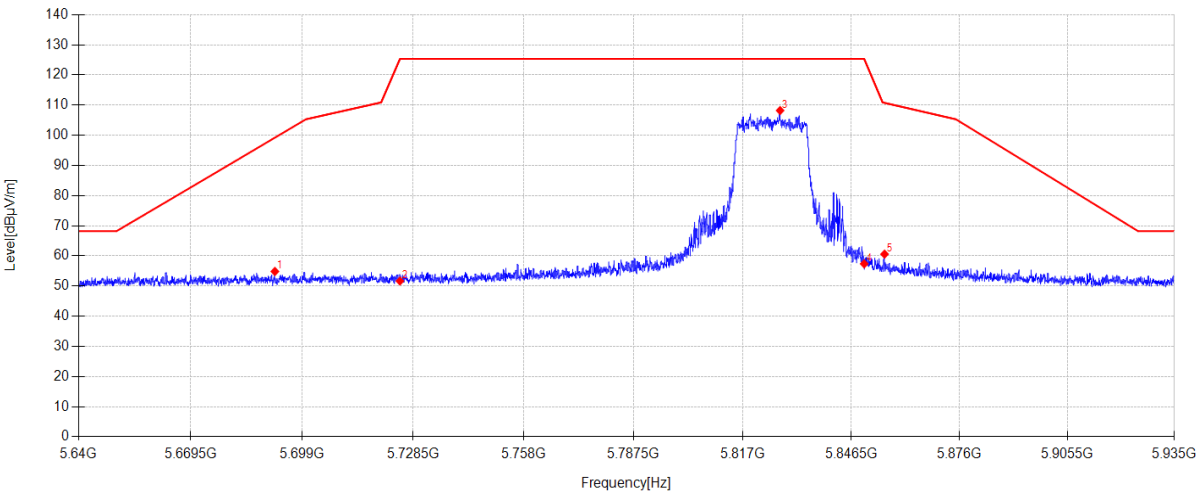
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5691.802	45.01	33.57	5.86	-29.60	54.84	99.22	44.38	PK	Horizontal
2	5725.000	41.64	33.75	5.87	-29.60	51.66	125.30	73.64	PK	Horizontal
3	5827.148	97.81	34.09	5.92	-29.60	108.22	125.30	17.08	PK	Horizontal
4	5850.000	47.03	34.00	5.94	-29.60	57.37	125.27	67.90	PK	Horizontal
5	5855.527	50.23	34.01	5.94	-29.60	60.58	110.75	50.17	PK	Horizontal

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX20 MIMO 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

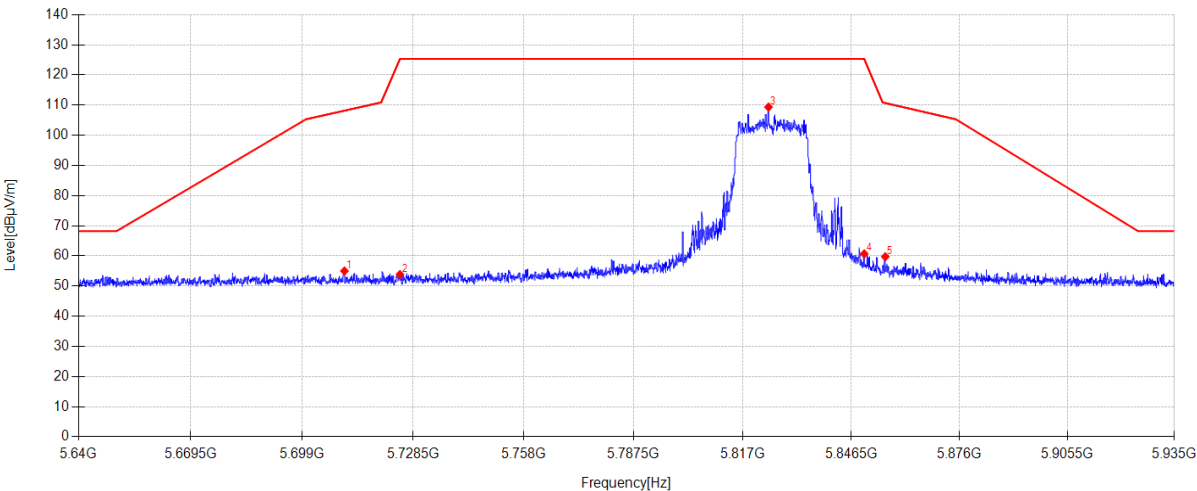
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5710.240	45.07	33.66	5.87	-29.60	55.00	108.17	53.17	PK	Vertical
2	5725.000	43.82	33.75	5.87	-29.60	53.84	125.30	71.46	PK	Vertical
3	5824.021	98.94	34.10	5.92	-29.60	109.36	125.30	15.94	PK	Vertical
4	5850.000	50.35	34.00	5.94	-29.60	60.69	125.27	64.58	PK	Vertical
5	5855.734	49.38	34.01	5.94	-29.60	59.73	110.69	50.96	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX40 MIMO 5755 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

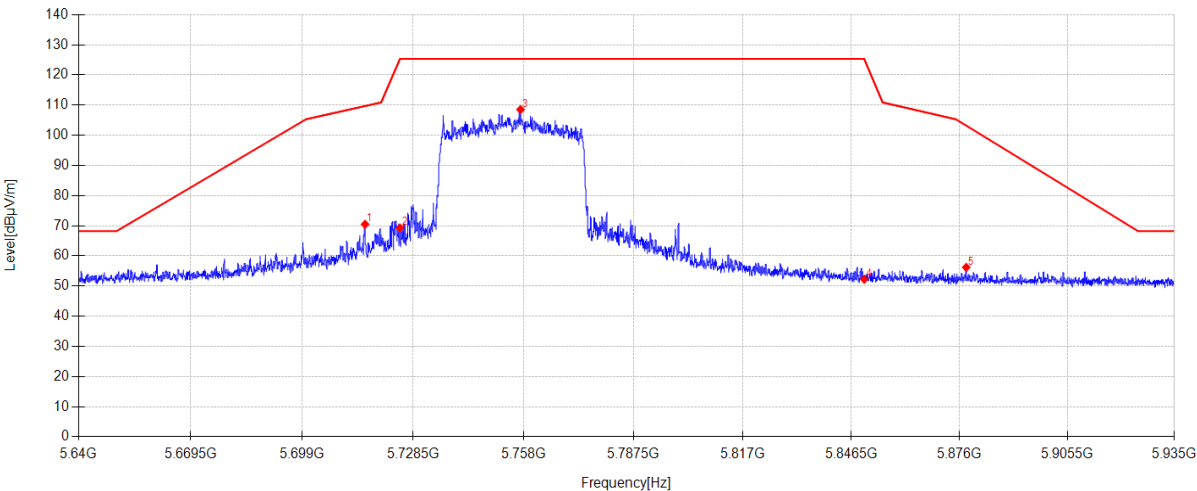
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5715.727	60.50	33.69	5.87	-29.60	70.46	109.70	39.24	PK	Horizontal
2	5725.000	59.25	33.75	5.87	-29.60	69.27	125.30	56.03	PK	Horizontal
3	5757.204	98.29	33.94	5.89	-29.60	108.52	125.30	16.78	PK	Horizontal
4	5850.000	41.90	34.00	5.94	-29.60	52.24	125.27	73.03	PK	Horizontal
5	5877.829	45.80	34.06	5.95	-29.60	56.21	103.20	46.99	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX40 MIMO 5755 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

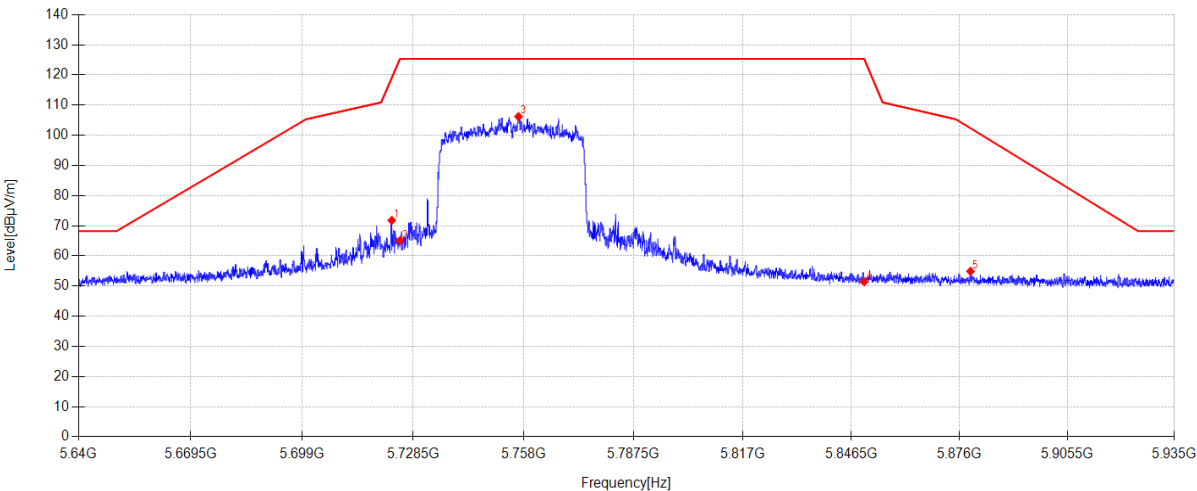
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5722.836	61.76	33.74	5.87	-29.60	71.77	119.07	47.30	PK	Vertical
2	5725.000	55.01	33.75	5.87	-29.60	65.03	125.30	60.27	PK	Vertical
3	5756.673	95.97	33.94	5.89	-29.60	106.20	125.30	19.10	PK	Vertical
4	5850.000	41.10	34.00	5.94	-29.60	51.44	125.27	73.83	PK	Vertical
5	5878.980	44.47	34.06	5.95	-29.60	54.88	102.35	47.47	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX40 MIMO 5795 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

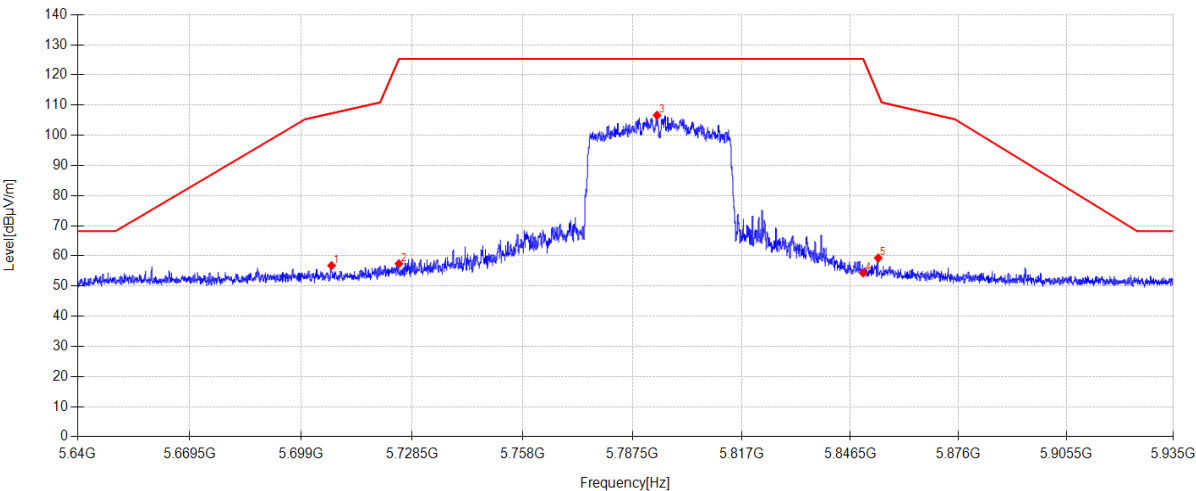
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5707.083	46.87	33.64	5.86	-29.60	56.77	107.28	50.51	PK	Horizontal
2	5725.000	47.36	33.75	5.87	-29.60	57.38	125.30	67.92	PK	Horizontal
3	5794.138	96.18	34.16	5.91	-29.60	106.65	125.30	18.65	PK	Horizontal
4	5850.000	44.00	34.00	5.94	-29.60	54.34	125.27	70.93	PK	Horizontal
5	5854.082	48.94	34.01	5.94	-29.60	59.29	113.55	54.26	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX40 MIMO 5795 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

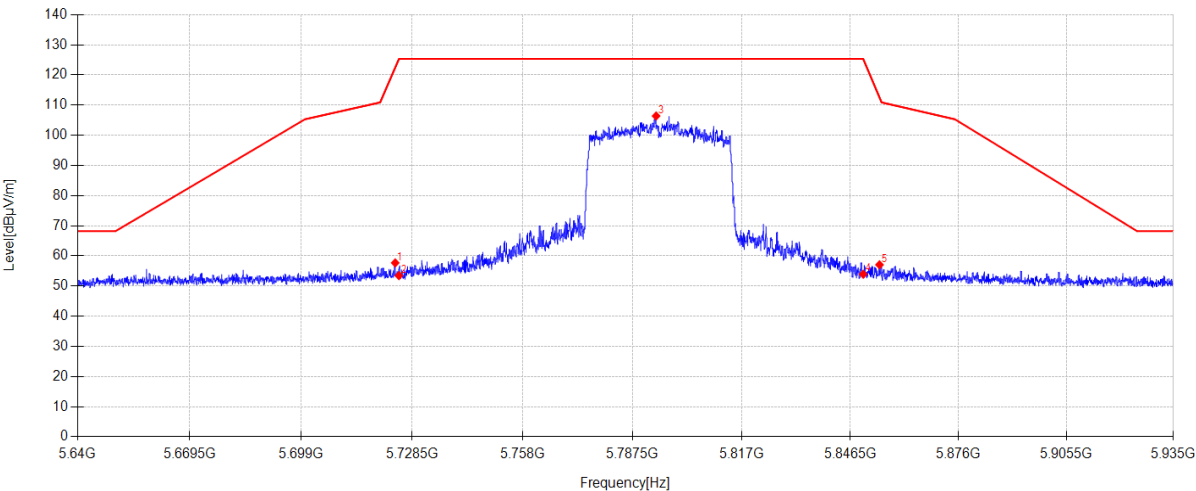
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5724.016	47.67	33.74	5.87	-29.60	57.68	122.47	64.79	PK	Vertical
2	5725.000	43.44	33.75	5.87	-29.60	53.46	125.30	71.84	PK	Vertical
3	5793.902	95.93	34.16	5.91	-29.60	106.40	125.30	18.90	PK	Vertical
4	5850.000	43.59	34.00	5.94	-29.60	53.93	125.27	71.34	PK	Vertical
5	5854.436	46.70	34.01	5.94	-29.60	57.05	112.53	55.48	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX80 MIMO 5775 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

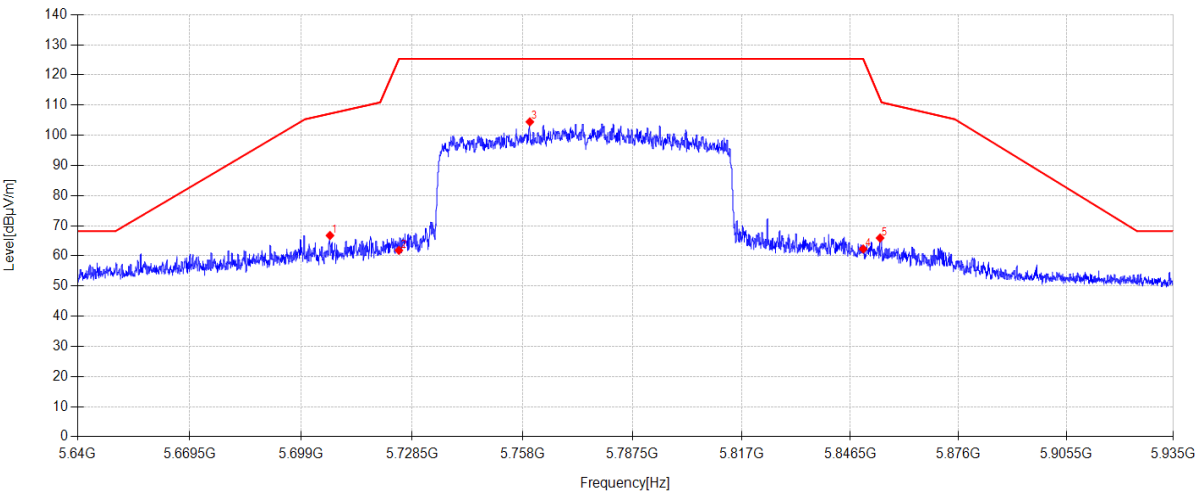
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5706.670	56.85	33.64	5.86	-29.60	66.75	107.17	40.42	PK	Horizontal
2	5725.000	51.81	33.75	5.87	-29.60	61.83	125.30	63.47	PK	Horizontal
3	5759.977	94.20	33.96	5.89	-29.60	104.45	125.30	20.85	PK	Horizontal
4	5850.000	51.95	34.00	5.94	-29.60	62.29	125.27	62.98	PK	Horizontal
5	5854.583	55.58	34.01	5.94	-29.60	65.93	112.10	46.17	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:

2024-09-15

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

11AX80 MIMO 5775 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

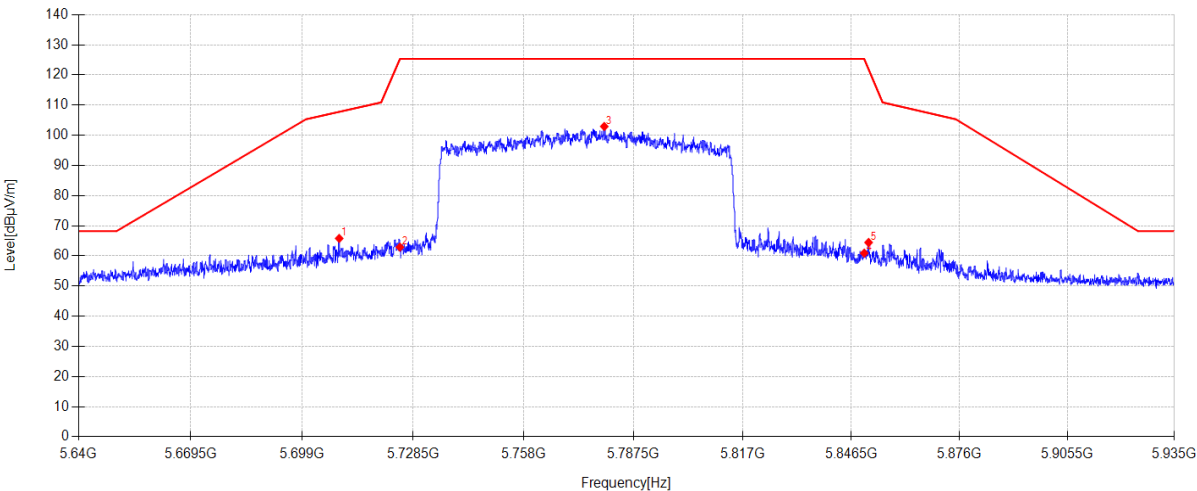
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Memo:

Sample Number: S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5708.853	55.87	33.65	5.86	-29.60	65.78	107.78	42.00	PK	Vertical
2	5725.000	52.87	33.75	5.87	-29.60	62.89	125.30	62.41	PK	Vertical
3	5779.683	92.54	34.08	5.90	-29.60	102.92	125.30	22.38	PK	Vertical
4	5850.000	50.57	34.00	5.94	-29.60	60.91	125.27	64.36	PK	Vertical
5	5851.191	54.11	34.00	5.94	-29.60	64.45	121.87	57.42	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:

2024-09-23

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

AX20 RU0 57455MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

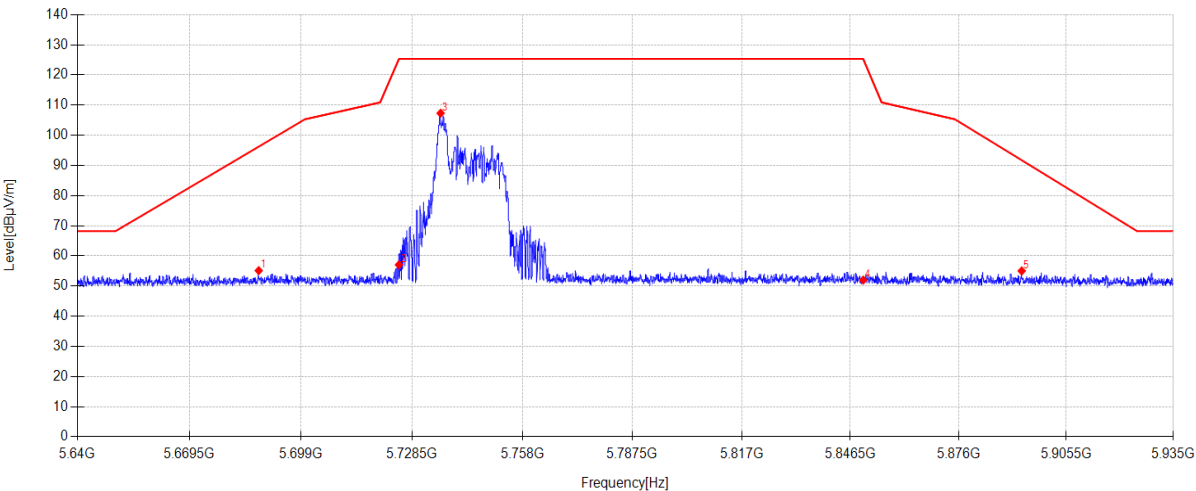
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Memo:

Sample Number:S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5687.790	45.32	33.55	5.85	-29.60	55.12	96.24	41.12	PK	Horizontal
2	5725.000	47.03	33.75	5.87	-29.60	57.05	125.30	68.25	PK	Horizontal
3	5736.111	97.22	33.82	5.88	-29.60	107.32	125.30	17.98	PK	Horizontal
4	5850.000	41.64	34.00	5.94	-29.60	51.98	125.27	73.29	PK	Horizontal
5	5893.287	44.56	34.09	5.96	-29.60	55.01	91.73	36.72	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:

2024-09-23

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

AX20 RU0 5745 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

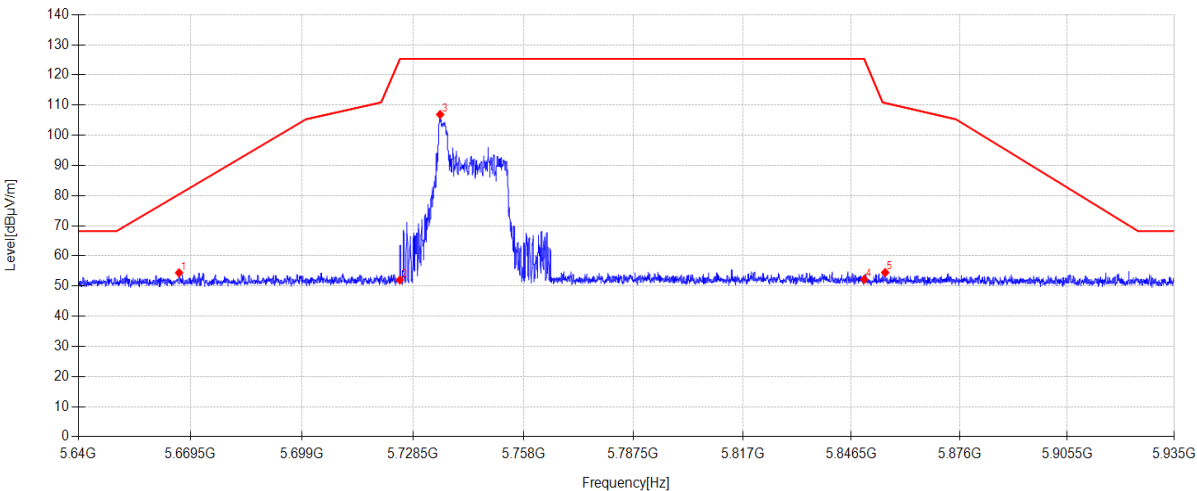
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Memo:

Sample Number:S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5666.491	44.68	33.47	5.84	-29.60	54.39	80.44	26.05	PK	Vertical
2	5725.000	41.96	33.75	5.87	-29.60	51.98	125.30	73.32	PK	Vertical
3	5735.728	96.81	33.81	5.88	-29.60	106.90	125.30	18.40	PK	Vertical
4	5850.000	41.85	34.00	5.94	-29.60	52.19	125.27	73.08	PK	Vertical
5	5855.704	44.11	34.01	5.94	-29.60	54.46	110.70	56.24	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:

2024-09-23

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

AX20 RU8 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

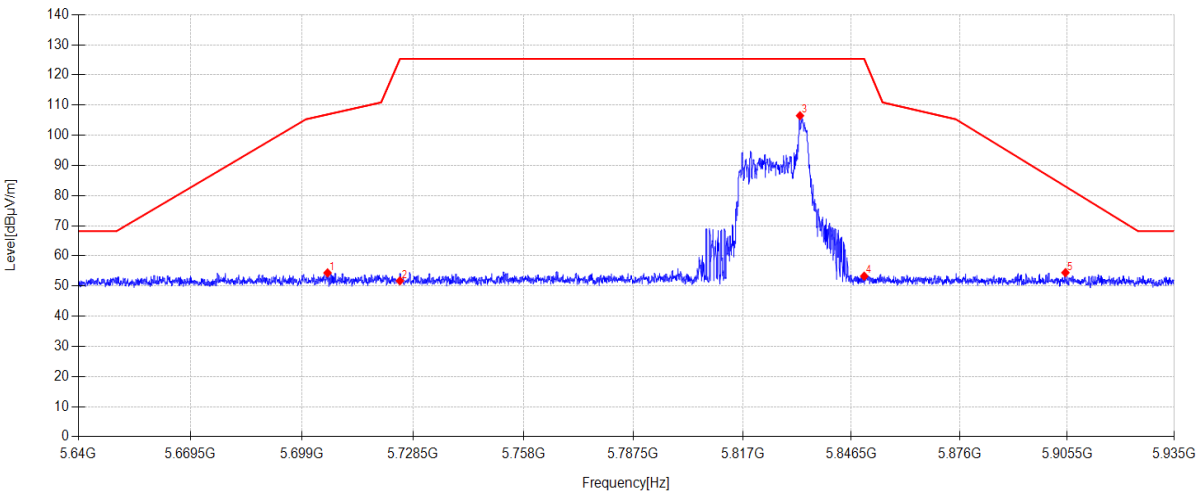
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Memo:

Sample Number:S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5705.756	44.47	33.63	5.86	-29.60	54.36	106.91	52.55	PK	Horizontal
2	5725.000	41.70	33.75	5.87	-29.60	51.72	125.30	73.58	PK	Horizontal
3	5832.547	96.09	34.07	5.93	-29.60	106.49	125.30	18.81	PK	Horizontal
4	5850.000	42.93	34.00	5.94	-29.60	53.27	125.27	72.00	PK	Horizontal
5	5904.999	43.96	34.11	5.96	-29.60	54.43	83.04	28.61	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:

2024-09-23

Tested By:

Guoyuan Lin

EUT:

Wireless Multi-Channel Soundbar

Model Number:

ENCHANT 900

Test Mode:

AX20 RU8 5825 MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

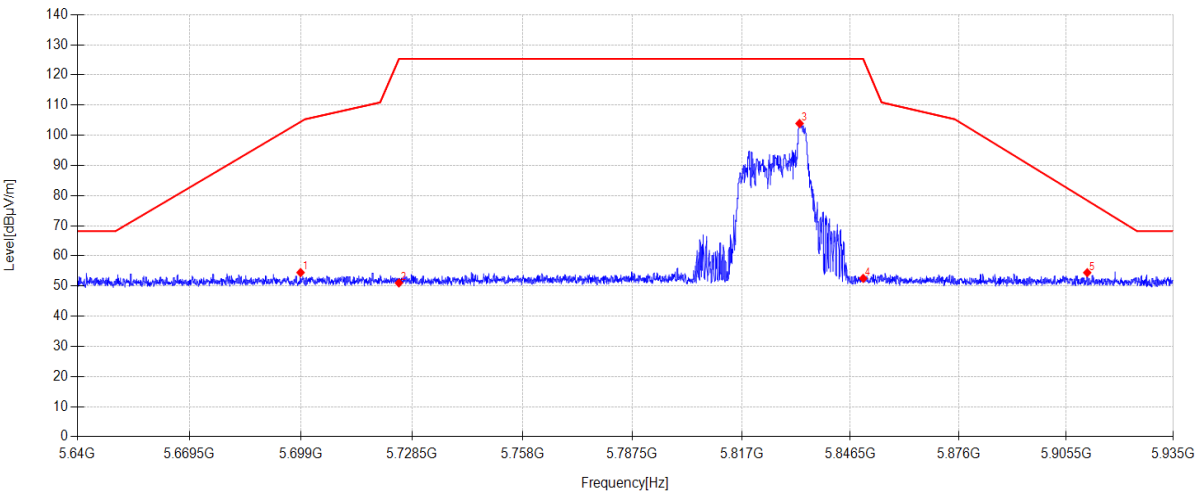
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Memo:

Sample Number:S24081428-002

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5698.882	44.61	33.60	5.86	-29.60	54.47	104.47	50.00	PK	Vertical
2	5725.000	41.00	33.75	5.87	-29.60	51.02	125.30	74.28	PK	Vertical
3	5832.694	93.51	34.07	5.93	-29.60	103.91	125.30	21.39	PK	Vertical
4	5850.000	42.20	34.00	5.94	-29.60	52.54	125.27	72.73	PK	Vertical
5	5911.282	43.94	34.12	5.97	-29.60	54.43	78.38	23.95	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.

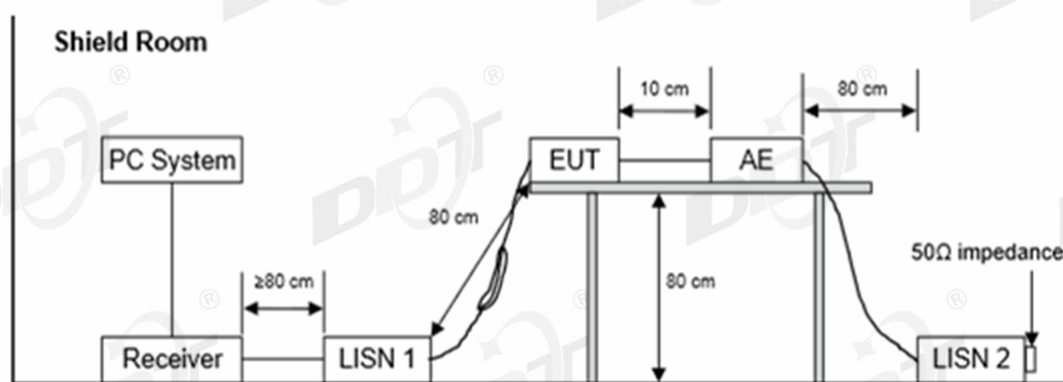
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

15. Power Line Conducted Emissions

15.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2025/07/08
EMI Test Software	Audix/TW	e3	DDT-ZC01252	/
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2025/07/08
EMI Test Receiver	R&S	ESCI	DDT-ZC00235	2025/07/08
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2025/07/08
Pulse Limiter	SCHWARZBEC K	ESH3-Z2	DDT-ZC00539	2025/07/08

15.2. Block diagram of test setup



15.3. Limits

Frequency	Quasi-Peak Level dBμV	Average Level dBμV
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 1# Shield Room

Test Date

: 2024-09-12

EUT

: Wireless Multi-Channel Soundbar

Power Supply

: AC 120V/60Hz

Condition

: TEMP:23.0°C, RH:64.5%

Memo

: Sample Number: S24081428-001

D:\2024 CE report data\Q24081428-1E\CE.EM6

Tested By

: Chunchieh Huang

Model Number

: ENCHANT 900

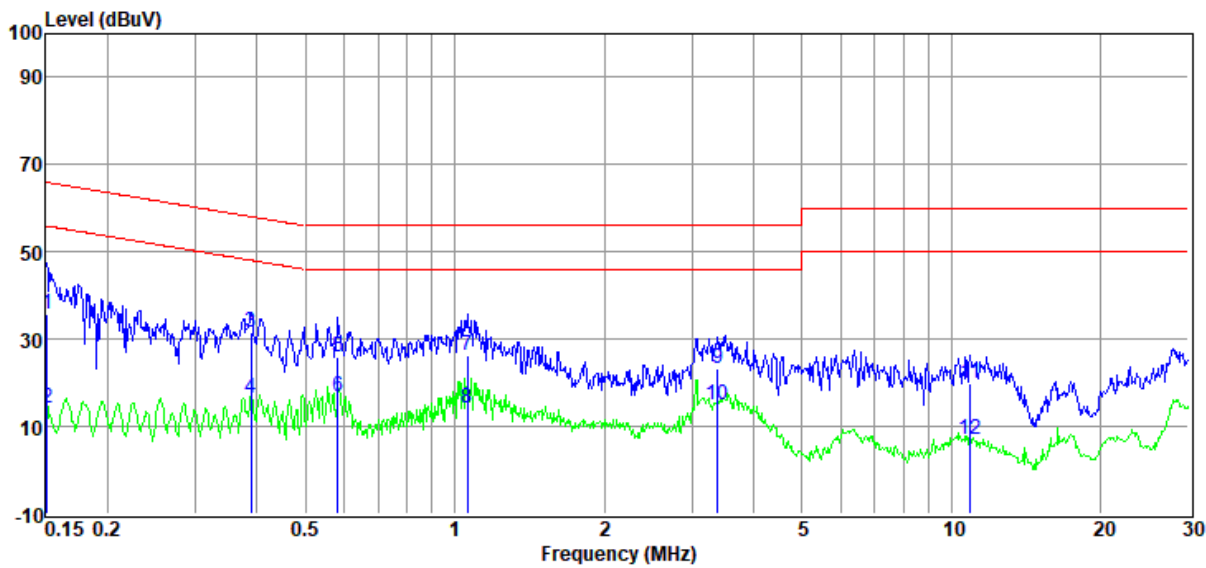
Test Mode

: Tx mode

Current Probe

: 2024 1# ENV216

Data: 18



Item	Freq.	Read Level	Current Probe Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detecto r
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμA)	(dBμA)	(dB)	
1	0.15	16.03	9.90	0.11	9.86	35.90	65.96	-30.06	QP
2	0.15	-5.72	9.90	0.11	9.86	14.15	55.96	-41.81	Average
3	0.39	11.78	9.81	0.10	9.86	31.55	58.08	-26.53	QP
4	0.39	-3.38	9.81	0.10	9.86	16.39	48.08	-31.69	Average
5	0.58	6.30	9.86	0.07	9.86	26.09	56.00	-29.91	QP
6	0.58	-2.96	9.86	0.07	9.86	16.83	46.00	-29.17	Average
7	1.06	6.42	9.78	0.04	9.88	26.12	56.00	-29.88	QP
8	1.06	-5.36	9.78	0.04	9.88	14.34	46.00	-31.66	Average
9	3.38	3.61	9.74	0.05	9.86	23.26	56.00	-32.74	QP
10	3.38	-4.89	9.74	0.05	9.86	14.76	46.00	-31.24	Average
11	10.91	-0.11	9.83	0.13	9.97	19.82	60.00	-40.18	QP
12	10.91	-12.84	9.83	0.13	9.97	7.09	50.00	-42.91	Average

- Note:
- Result Level = Read Level + Current Probe Factor + Pulse Limiter Factor + Cable loss.
 - If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 - Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 - 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 1# Shield Room

Test Date

: 2024-09-12

EUT

: Wireless Multi-Channel Soundbar

Power Supply

: AC 120V/60Hz

Condition

: TEMP:23.0°C, RH:64.5%

Memo

: Sample Number: S24081428-001

D:\2024 CE report data\Q24081428-1E\CE.EM6

Tested By

: Chunchieh Huang

Model Number

: ENCHANT 900

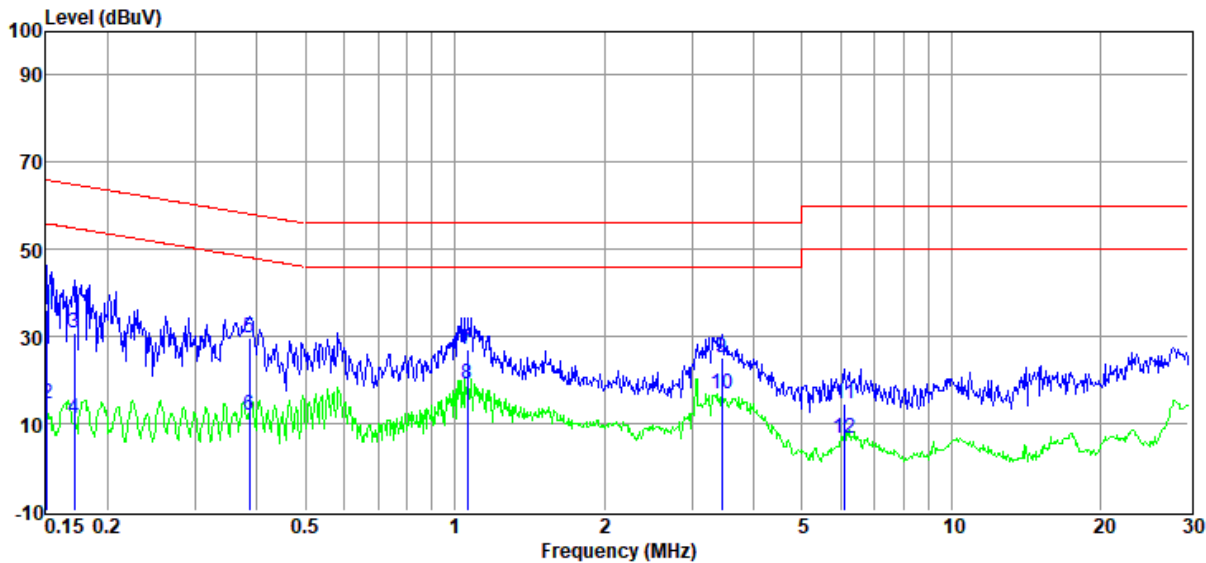
Test Mode

: Tx mode

Current Probe

: 2024 1# ENV216

Data: 20



Item	Freq.	Read Level	Current Probe Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμA)	(dBμA)	(dB)	
1	0.15	16.34	9.65	0.11	9.86	35.96	65.96	-30.00	QP
2	0.15	-5.21	9.65	0.11	9.86	14.41	55.96	-41.55	Average
3	0.17	11.18	9.66	0.11	9.86	30.81	64.90	-34.09	QP
4	0.17	-8.47	9.66	0.11	9.86	11.16	54.90	-43.74	Average
5	0.39	10.02	9.75	0.11	9.86	29.74	58.17	-28.43	QP
6	0.39	-7.76	9.75	0.11	9.86	11.96	48.17	-36.21	Average
7	1.06	7.60	9.70	0.04	9.88	27.22	56.00	-28.78	QP
8	1.06	-0.43	9.70	0.04	9.88	19.19	46.00	-26.81	Average
9	3.45	5.41	9.66	0.05	9.86	24.98	56.00	-31.02	QP
10	3.45	-2.59	9.66	0.05	9.86	16.98	46.00	-29.02	Average
11	6.09	-4.98	9.69	0.07	9.89	14.67	60.00	-45.33	QP
12	6.09	-12.97	9.69	0.07	9.89	6.68	50.00	-43.32	Average

- Note:
1. Result Level = Read Level + Current Probe 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-Q24081428-2E appendix I

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