

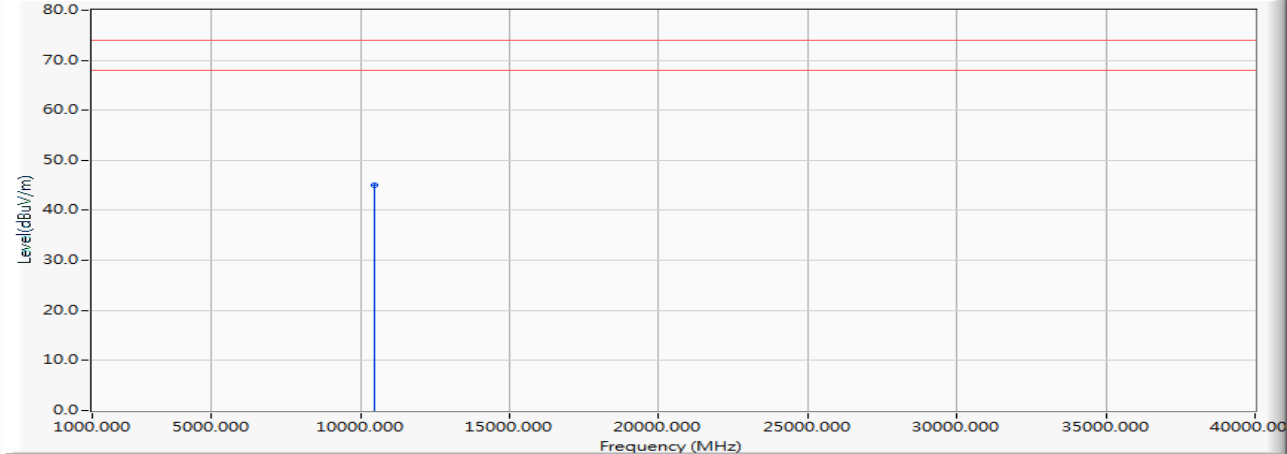
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10360.000	16.135	27.564	43.699	-30.301	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	16.135	28.428	44.563	-29.437	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

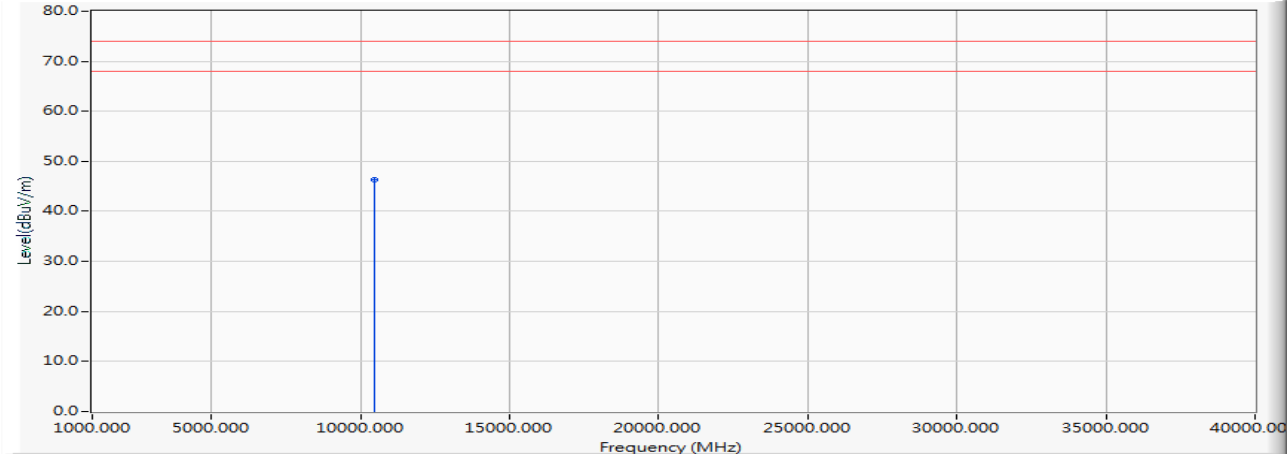
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz)

Horizontal:



Vertical:



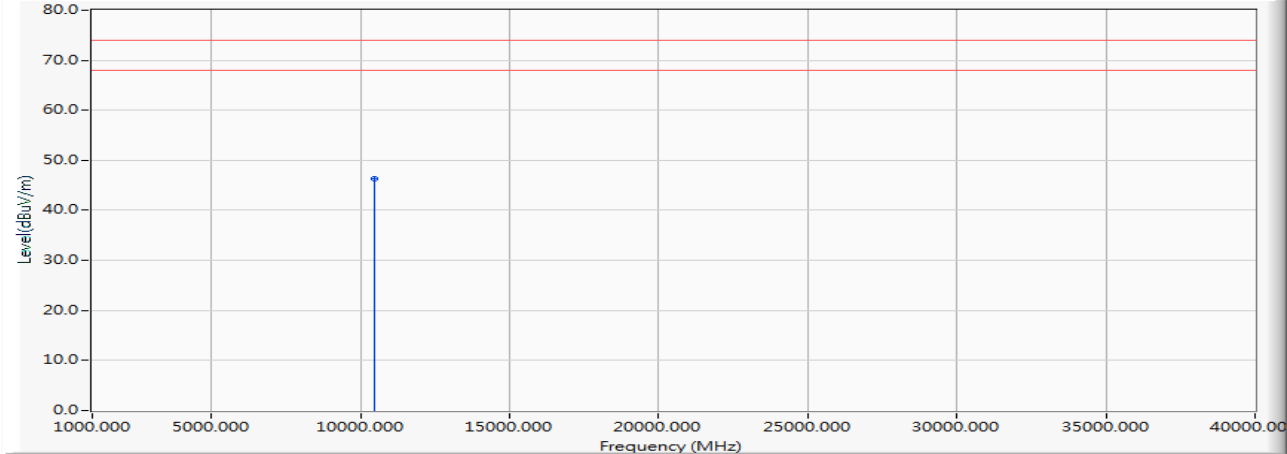
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	16.197	28.859	45.056	-28.944	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	16.197	30.228	46.425	-27.575	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

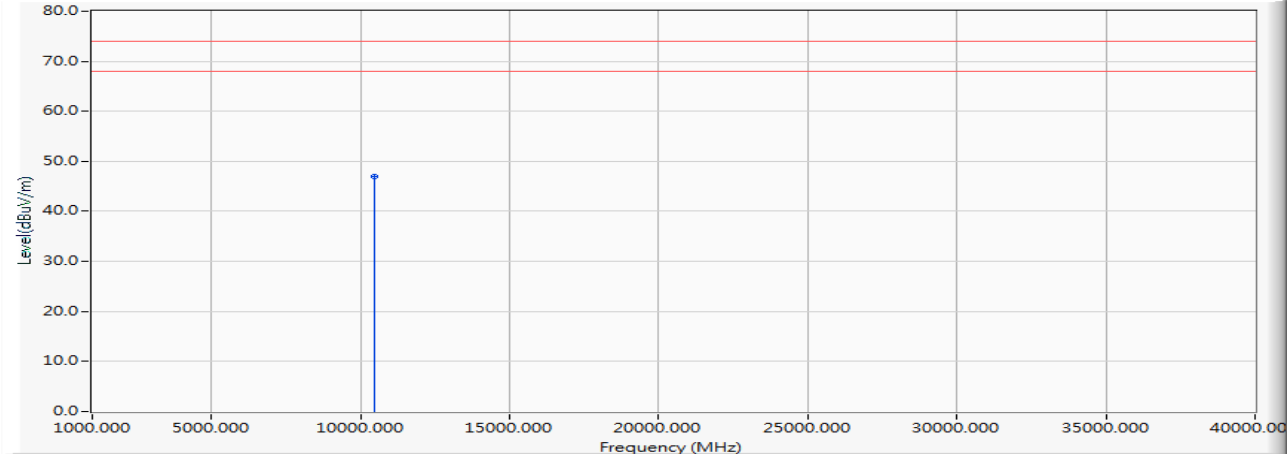
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz)

Horizontal:



Vertical:



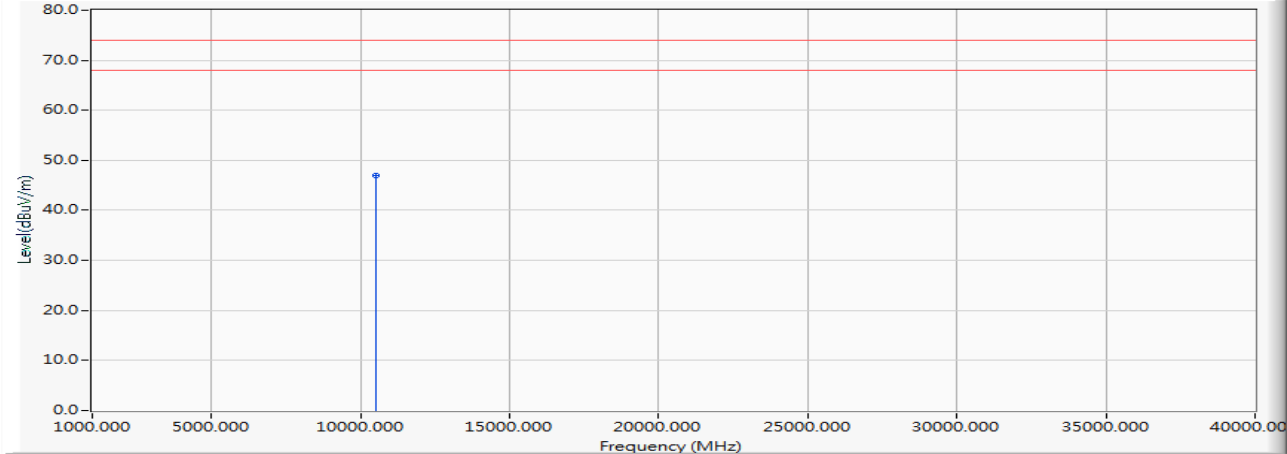
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10480.000	16.173	30.096	46.269	-27.731	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	16.173	30.895	47.068	-26.932	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
--					

Note:

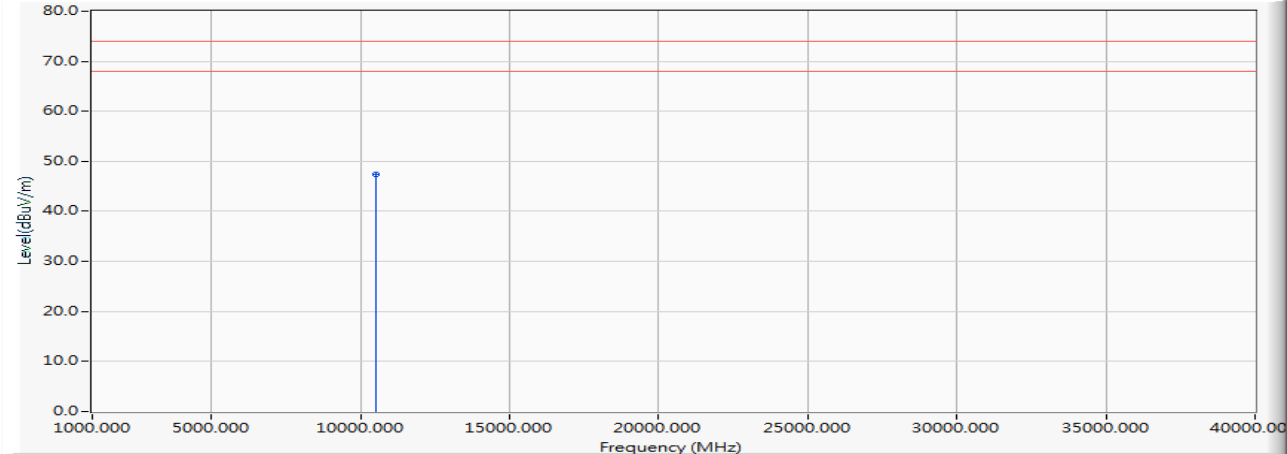
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz)

Horizontal:



Vertical:



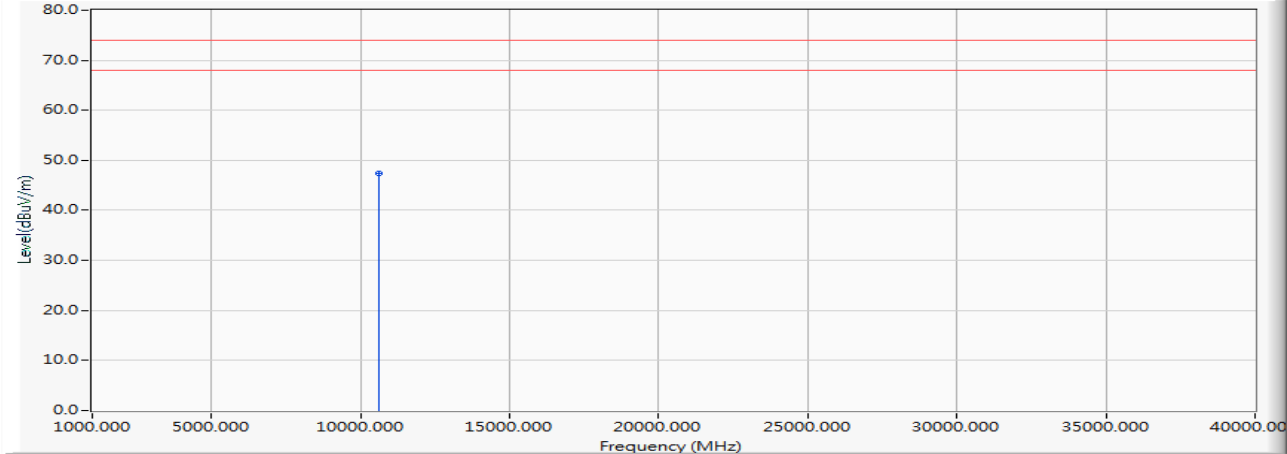
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	16.243	30.750	46.993	-27.007	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	16.243	31.054	47.297	-26.703	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

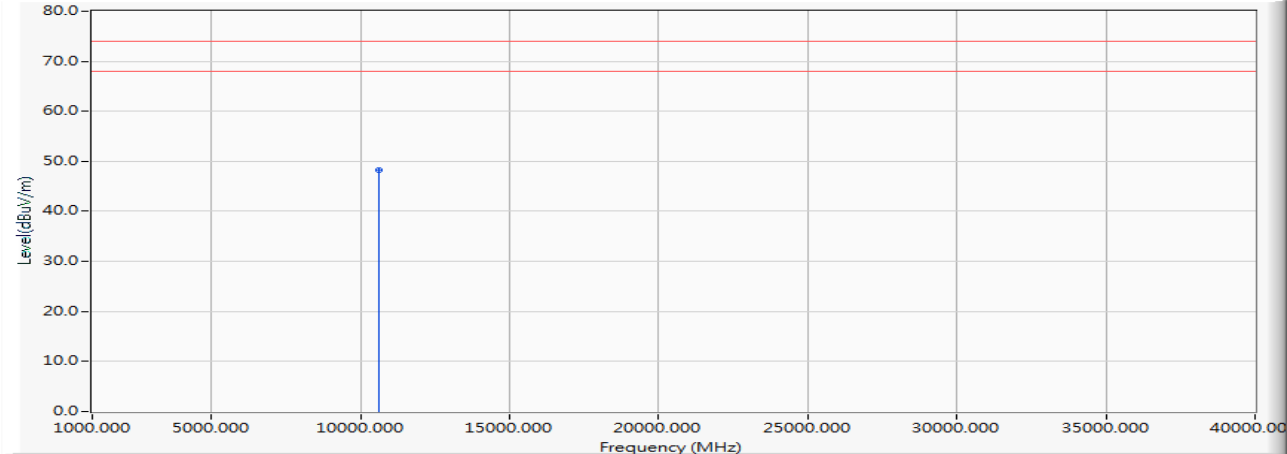
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

Horizontal:



Vertical:



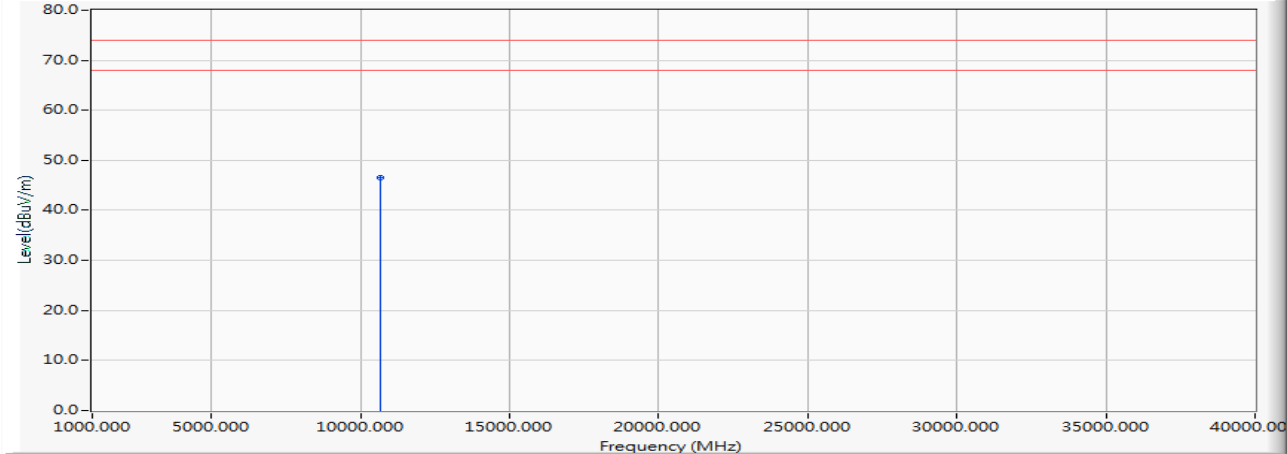
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10600.000	16.480	30.986	47.466	-26.534	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	16.480	31.677	48.157	-25.843	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

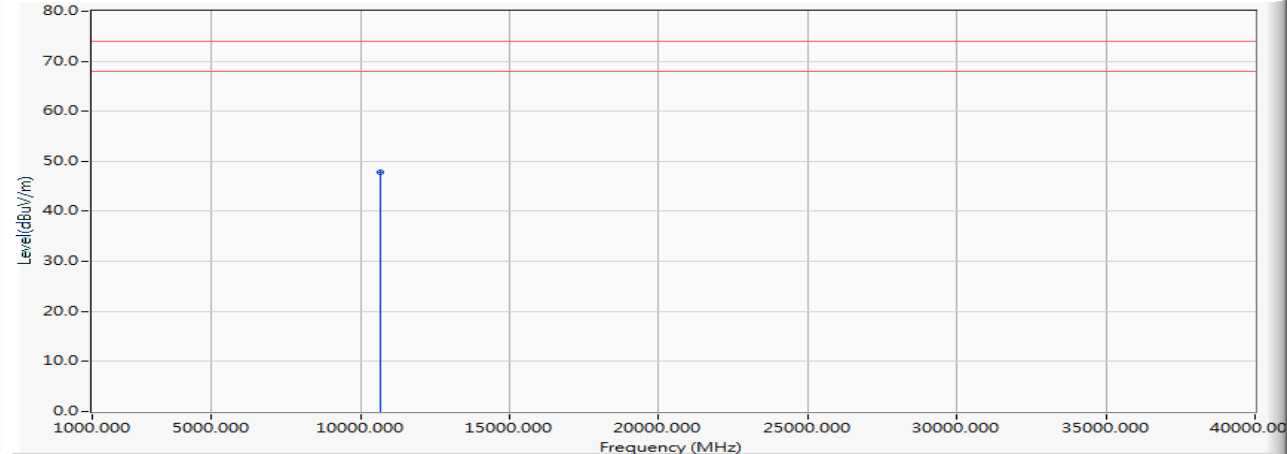
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz)

Horizontal:



Vertical:



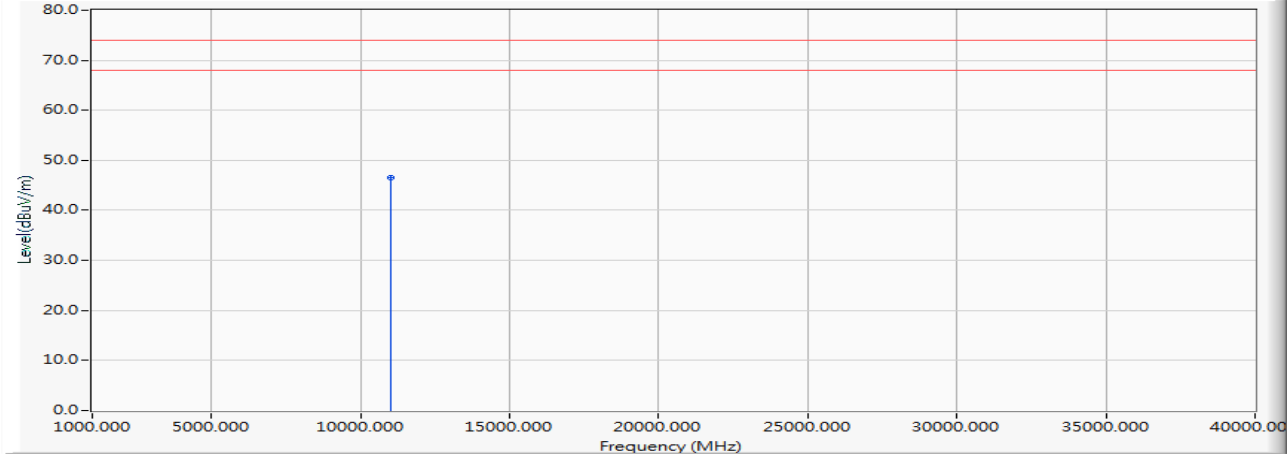
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10640.000	16.864	29.641	46.505	-27.495	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	16.864	30.992	47.856	-26.144	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

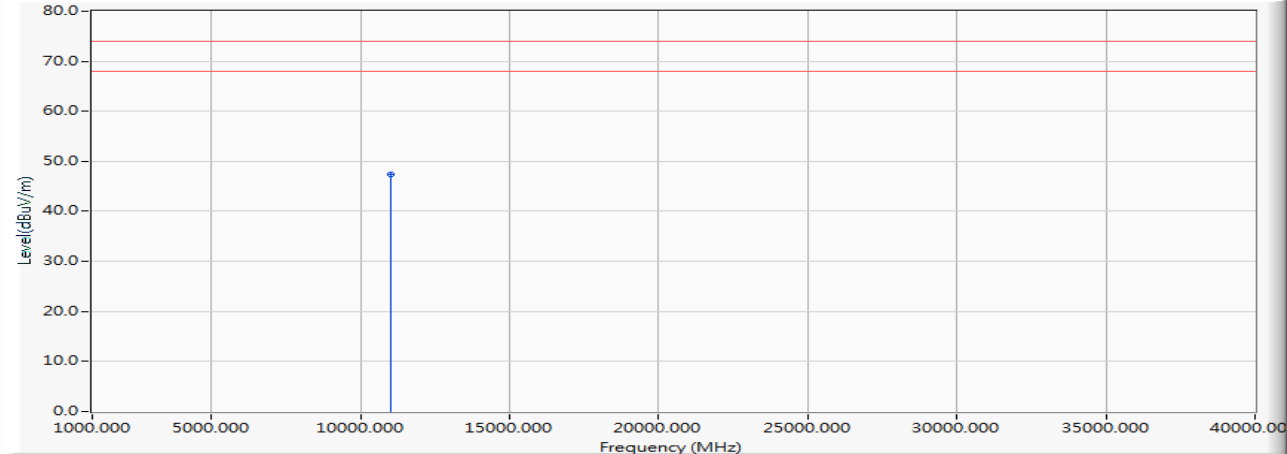
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

Horizontal:



Vertical:



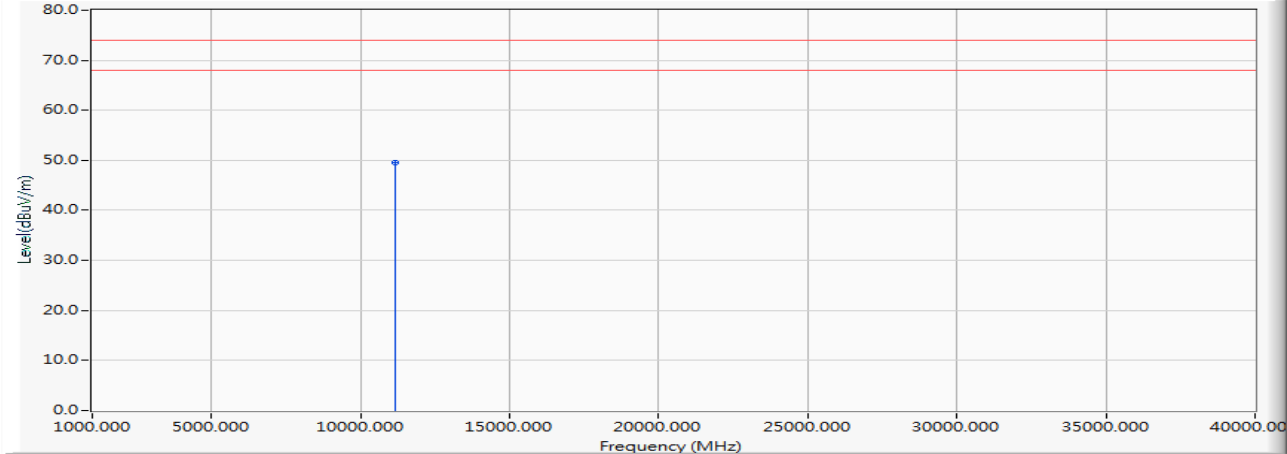
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11000.000	16.989	29.632	46.622	-27.378	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	16.989	30.491	47.481	-26.519	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

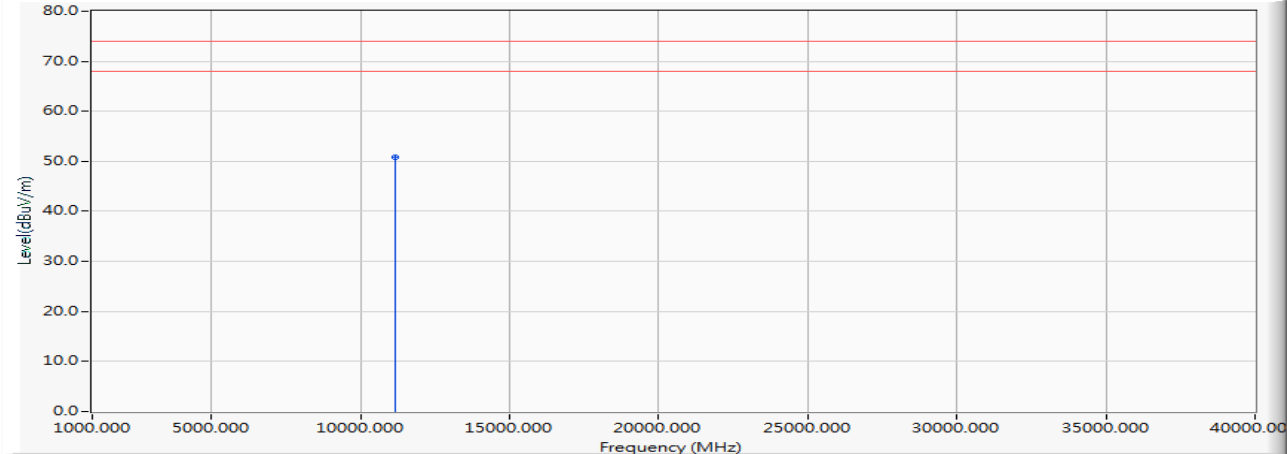
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz)

Horizontal:



Vertical:



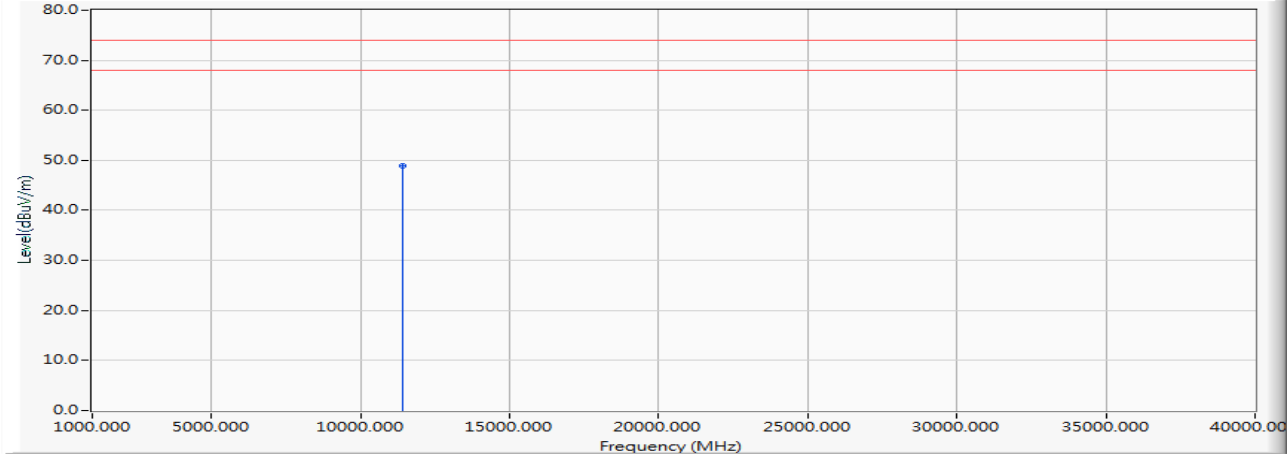
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11160.000	17.343	32.202	49.545	-24.455	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	17.343	33.443	50.786	-23.214	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

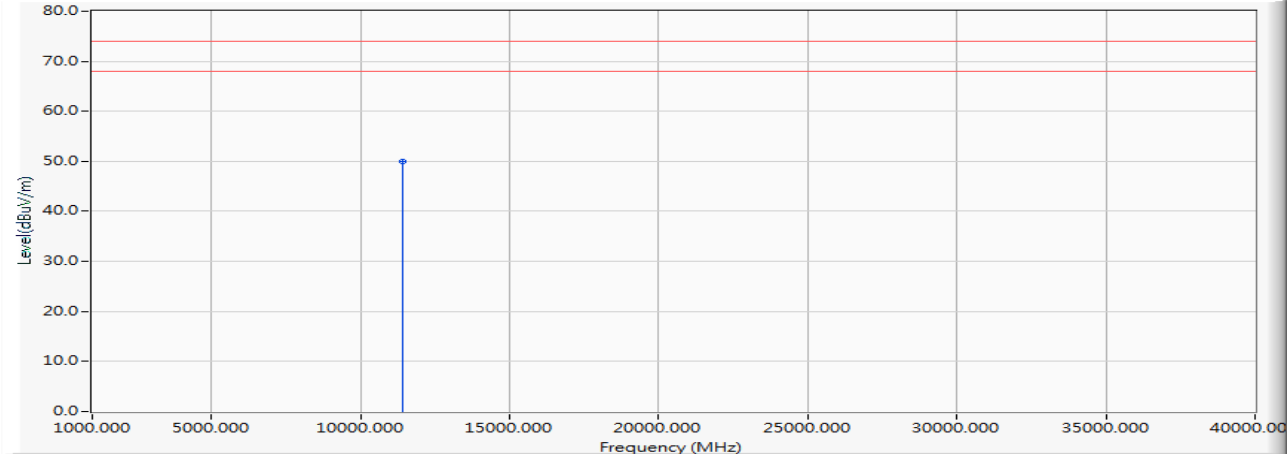
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz)

Horizontal:



Vertical:



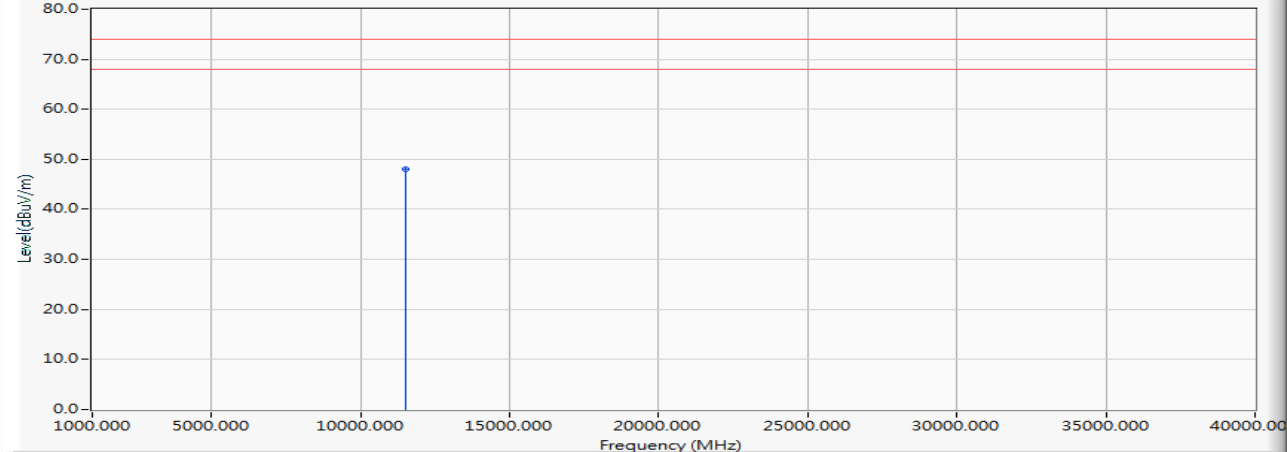
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11400.000	17.433	31.567	49.000	-25.000	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	17.433	32.614	50.047	-23.953	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

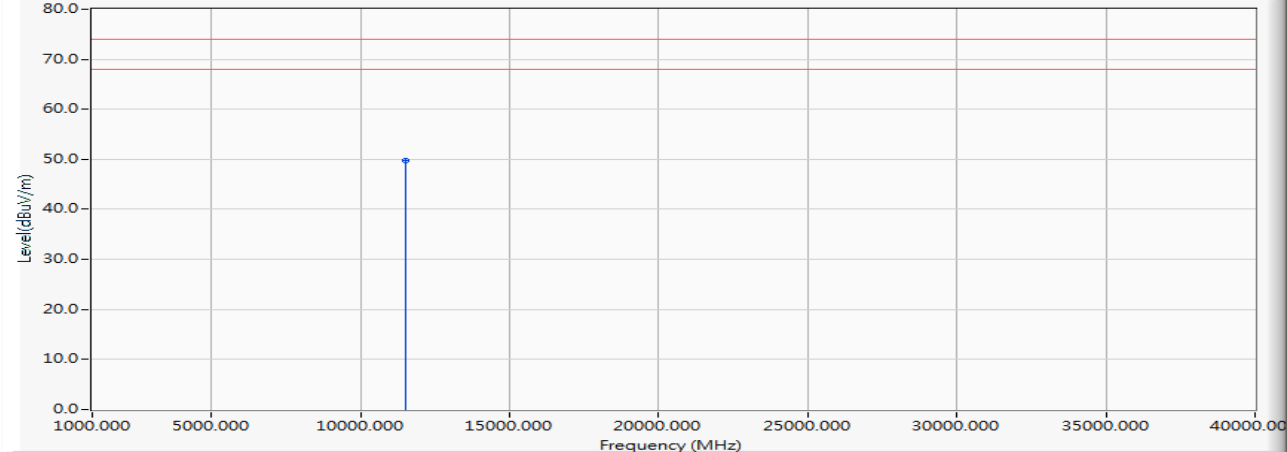
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5745MHz)

Horizontal:



Vertical:



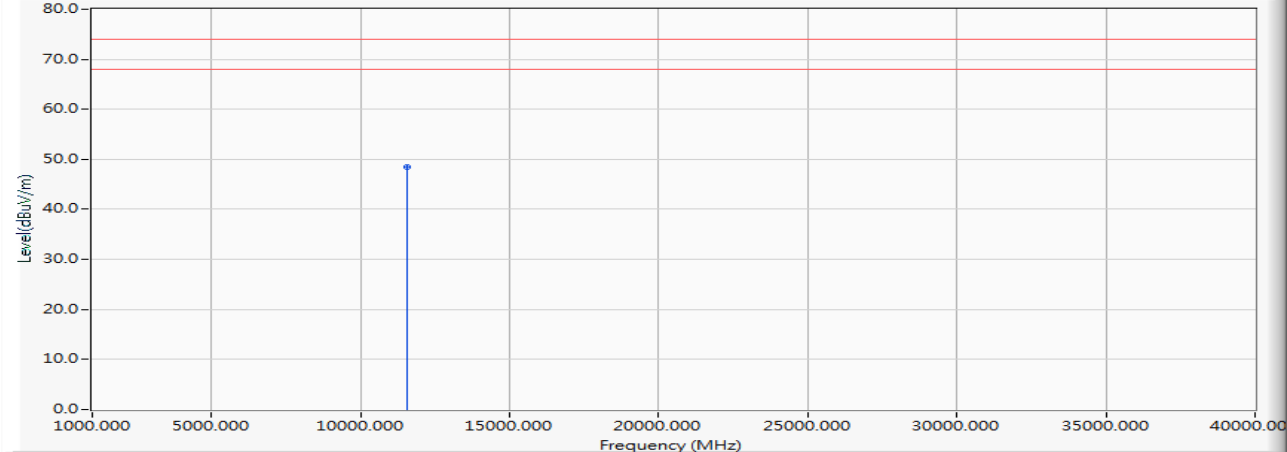
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11490.000	17.670	30.312	47.983	-26.017	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	17.670	31.988	49.659	-24.341	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					

Note:

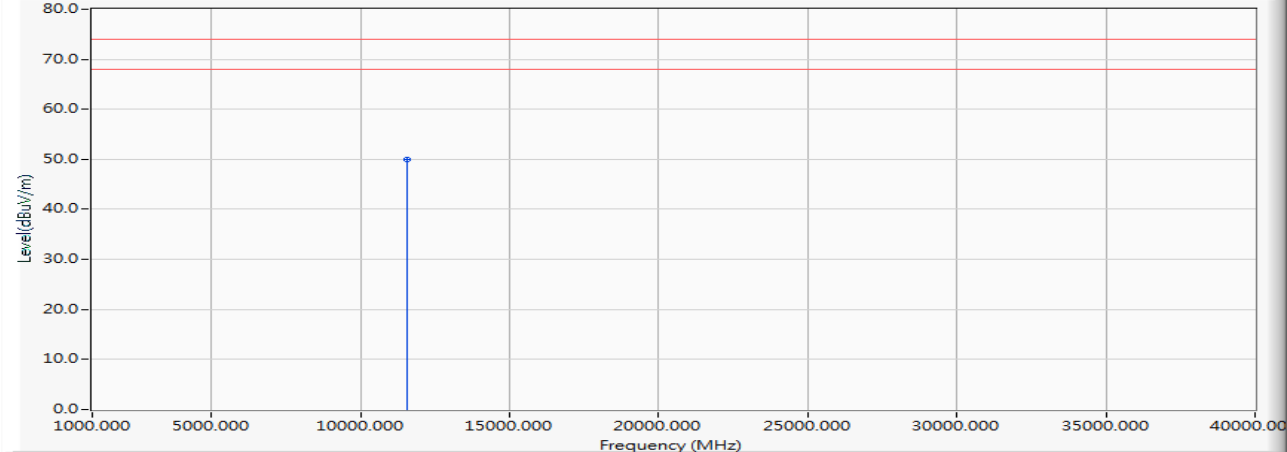
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5785MHz)

Horizontal:



Vertical:



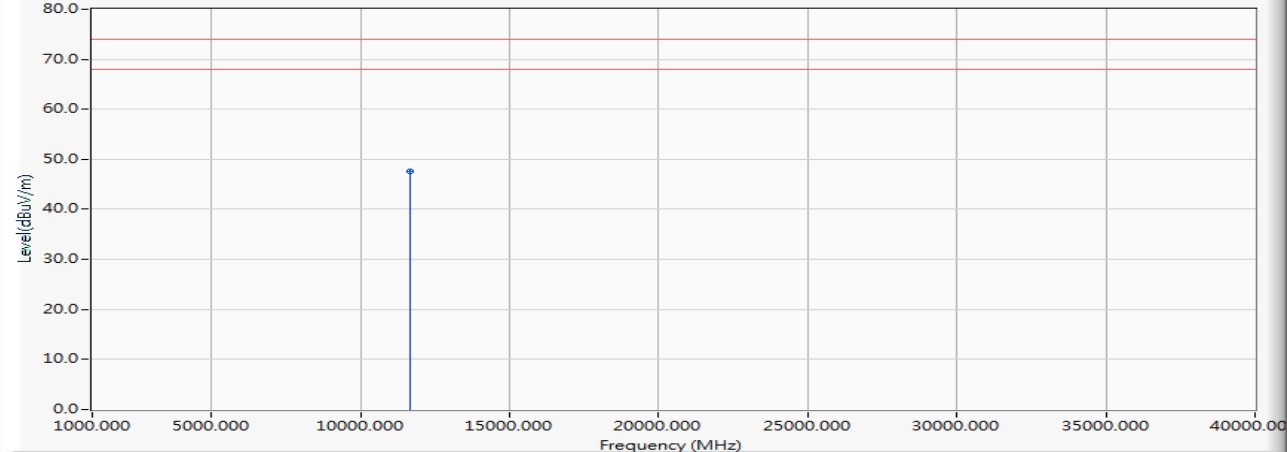
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11570.000	17.618	30.932	48.550	-25.450	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	17.618	32.322	49.940	-24.060	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

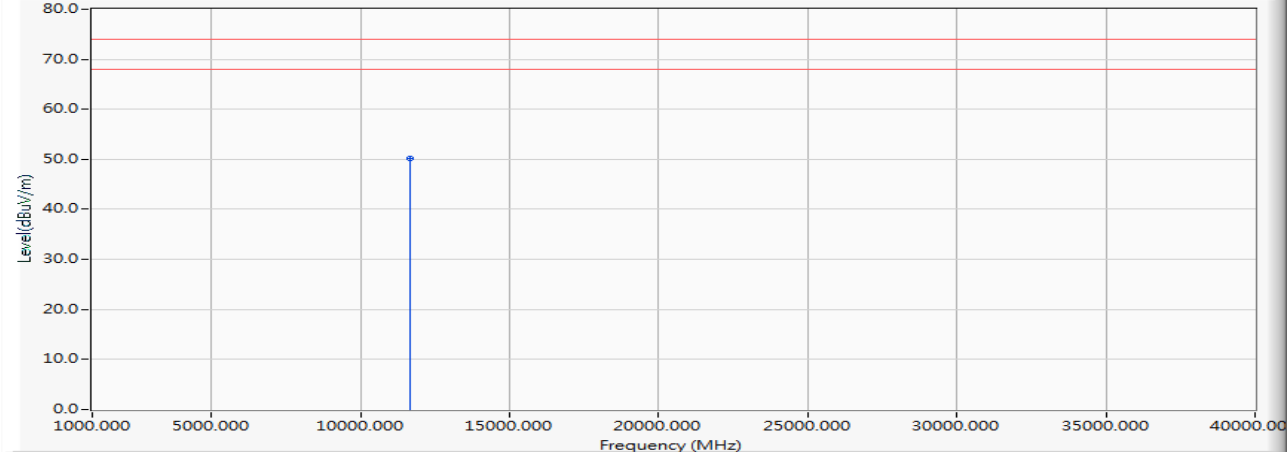
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5825MHz)

Horizontal:



Vertical:



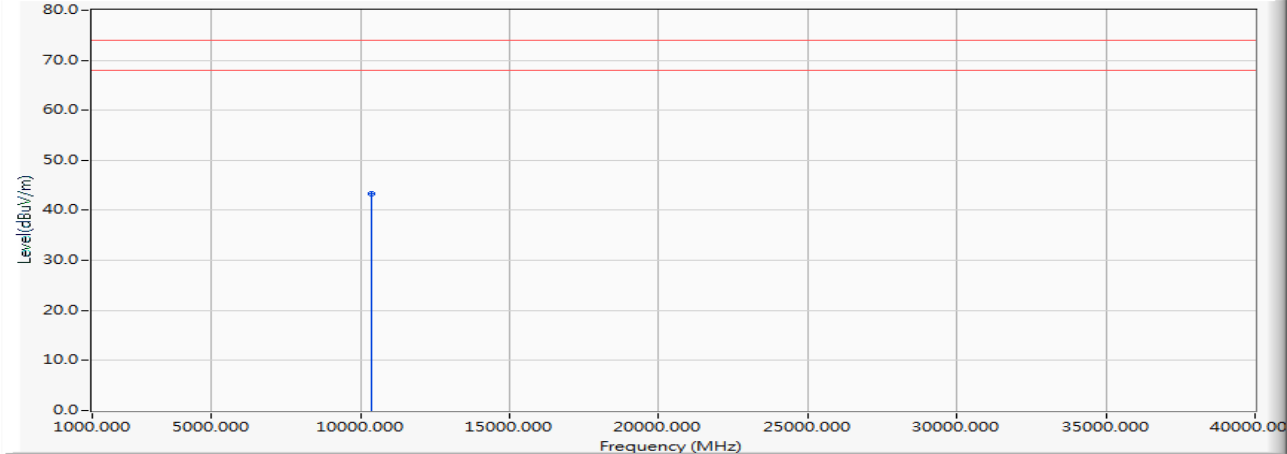
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11650.000	17.763	29.859	47.623	-26.377	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
*	*	*	*	*	*
Average					
Detector:					
11650.000	*	*	*	*	54.000
Vertical					
Peak Detector:					
11650.000	17.763	32.420	50.184	-23.816	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

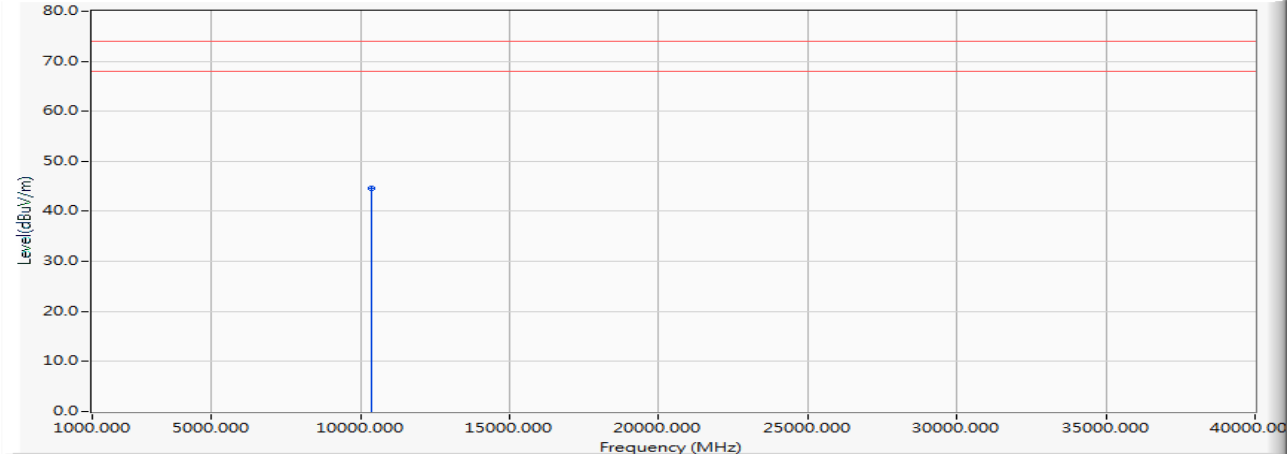
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5180MHz)

Horizontal:



Vertical:



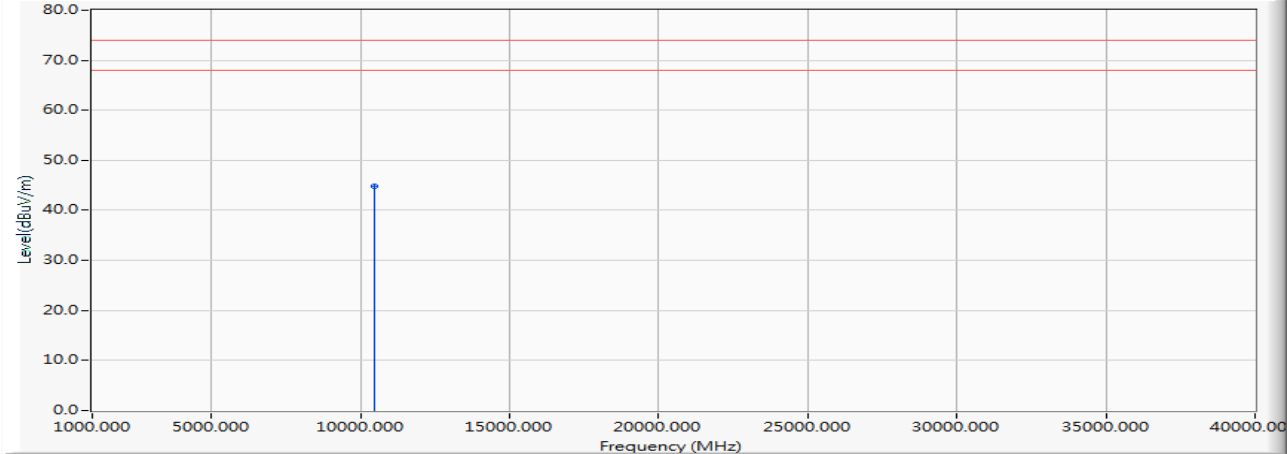
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10360.000	16.135	27.192	43.327	-30.673	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	16.135	28.383	44.518	-29.482	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

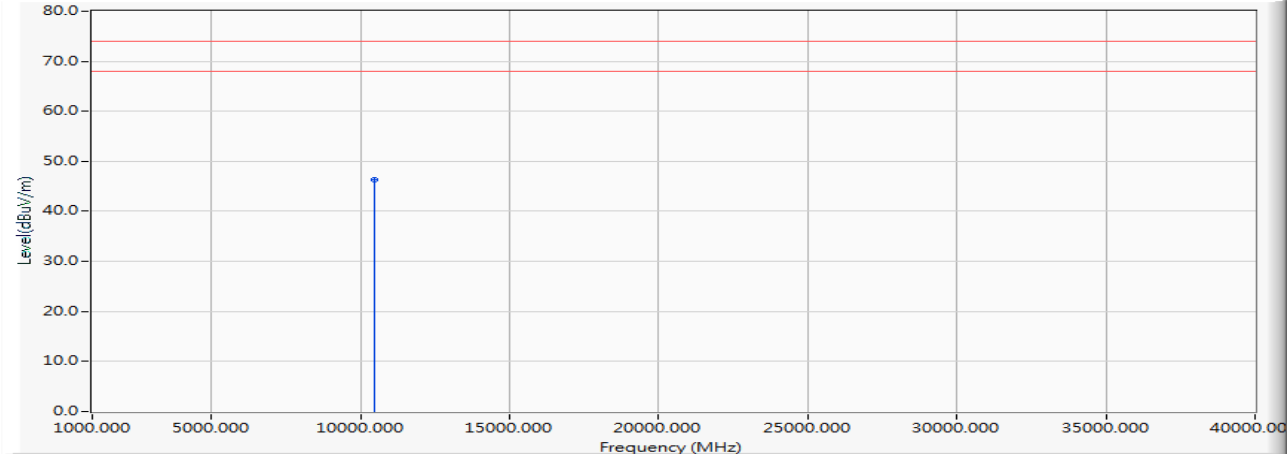
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5220MHz)

Horizontal:



Vertical:



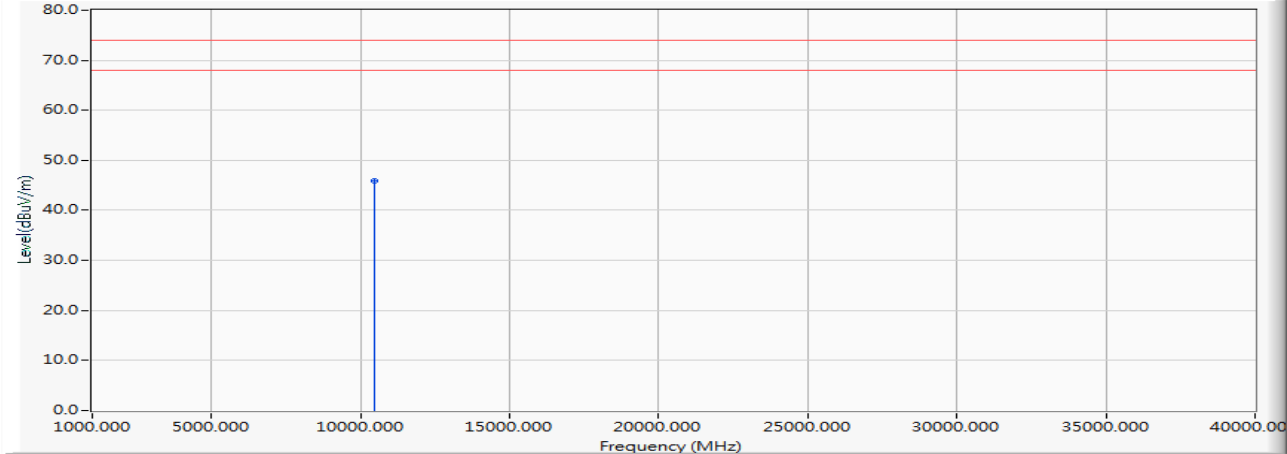
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	16.197	28.559	44.756	-29.244	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	16.197	30.024	46.221	-27.779	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

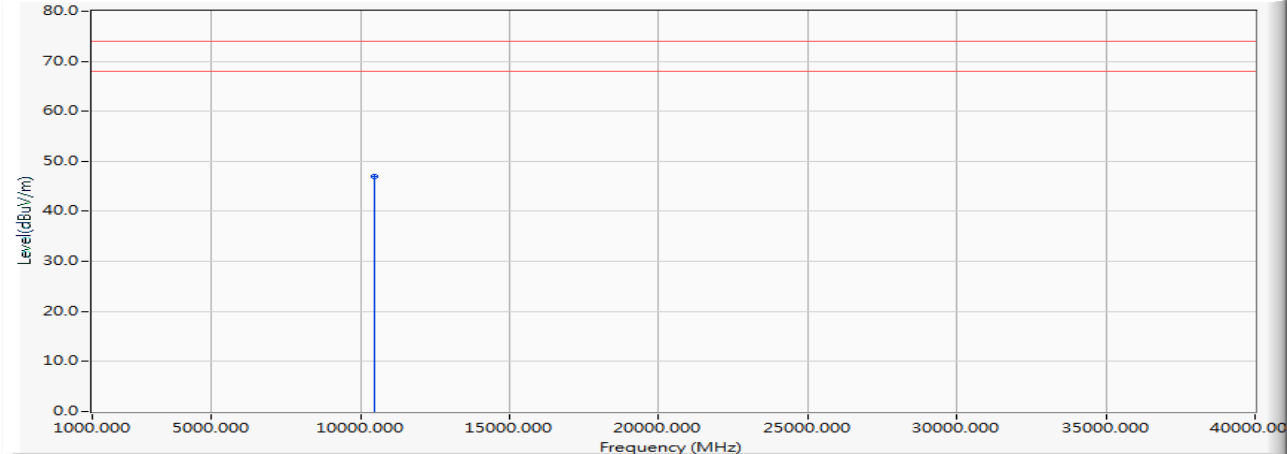
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5240MHz)

Horizontal:



Vertical:



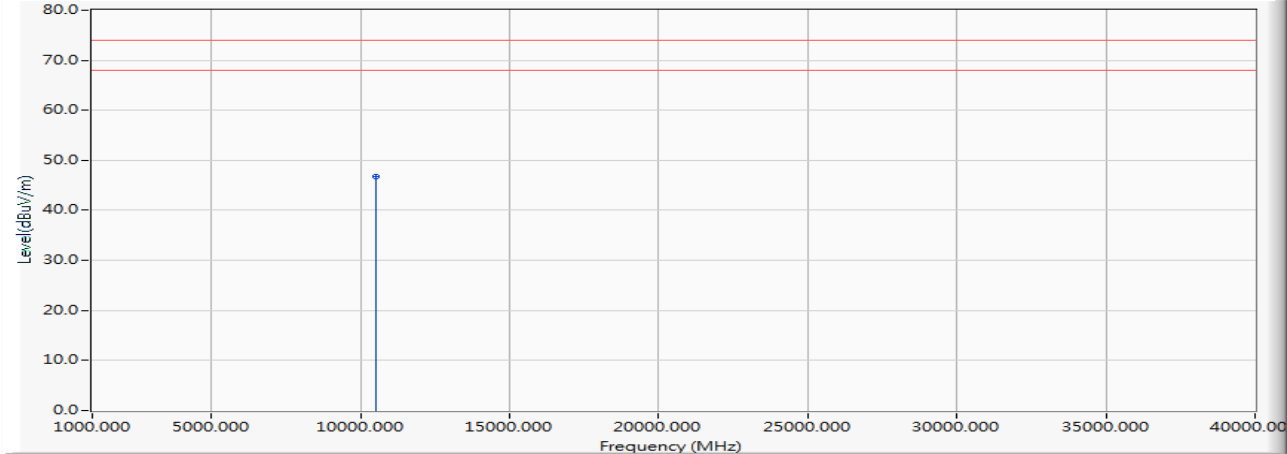
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10480.000	16.173	29.796	45.969	-28.031	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	16.173	30.832	47.005	-26.995	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

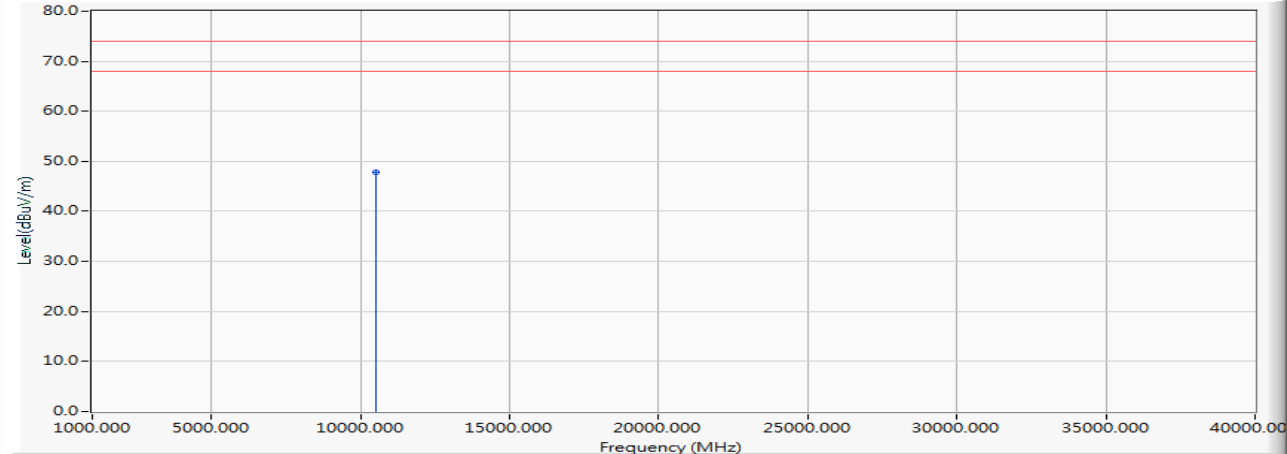
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5260MHz)

Horizontal:



Vertical:



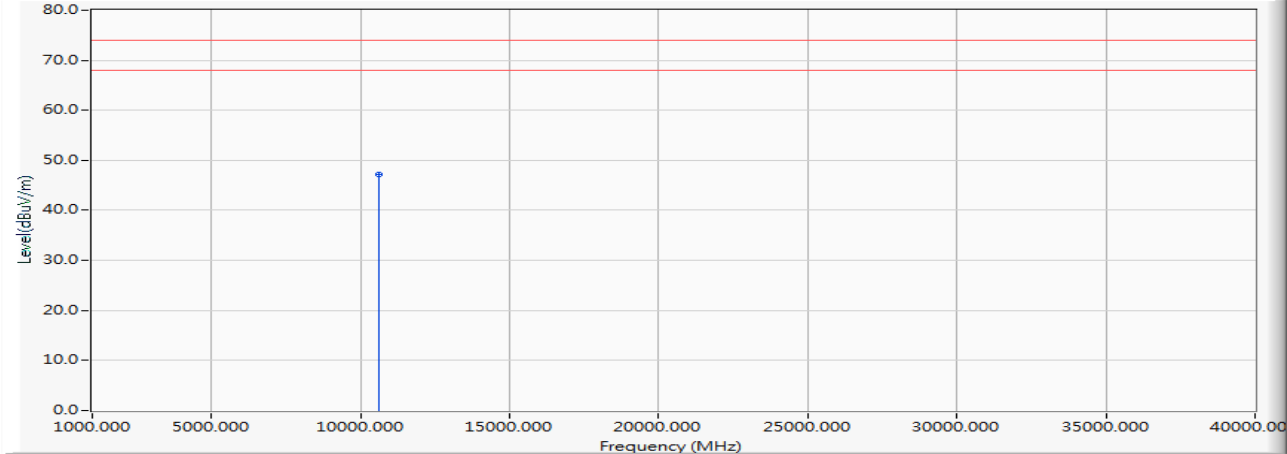
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	16.243	30.450	46.693	-27.307	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	16.243	31.594	47.837	-26.163	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

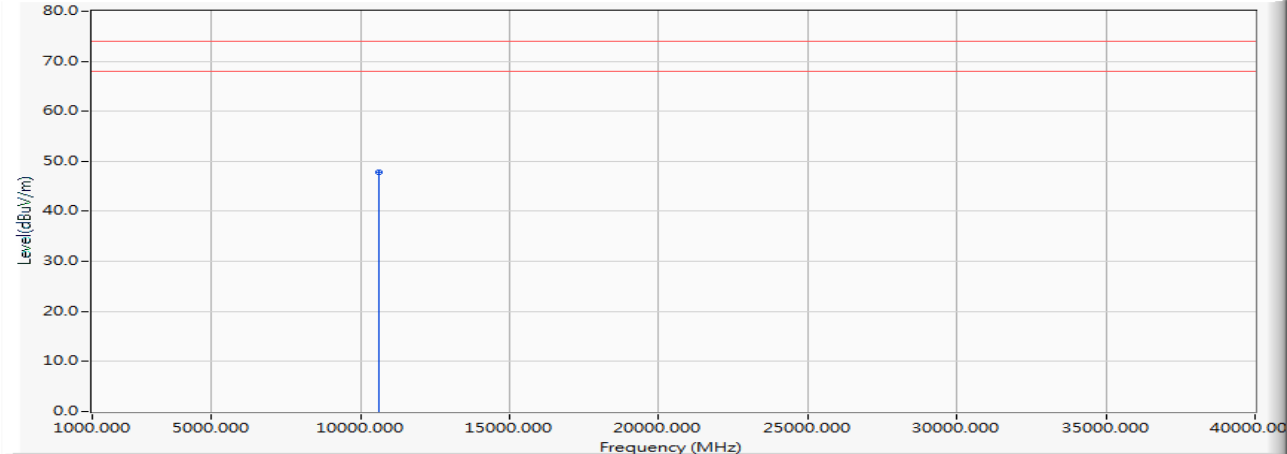
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5300MHz)

Horizontal:



Vertical:



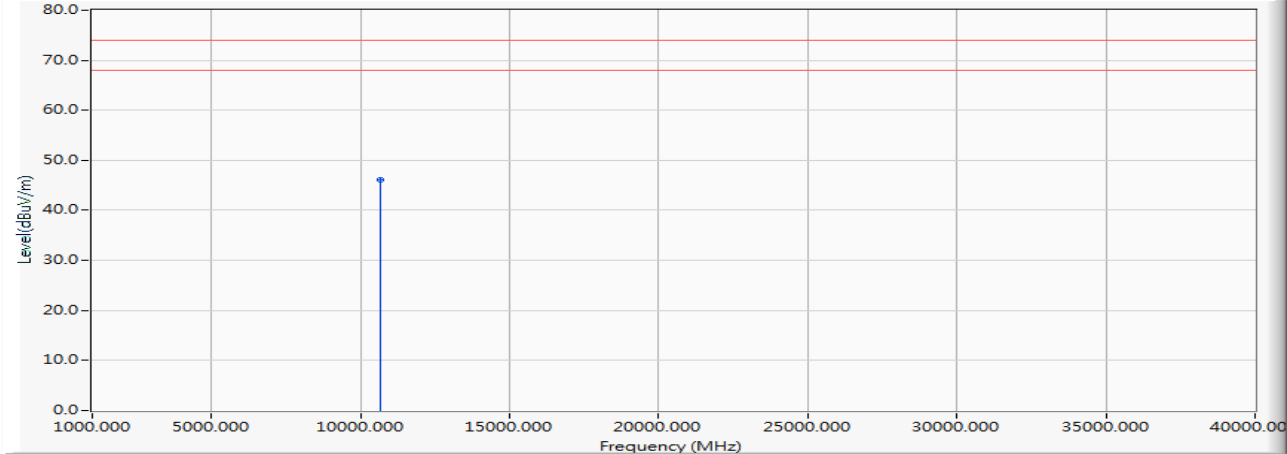
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10600.000	16.480	30.643	47.123	-26.877	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	16.480	31.335	47.815	-26.185	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

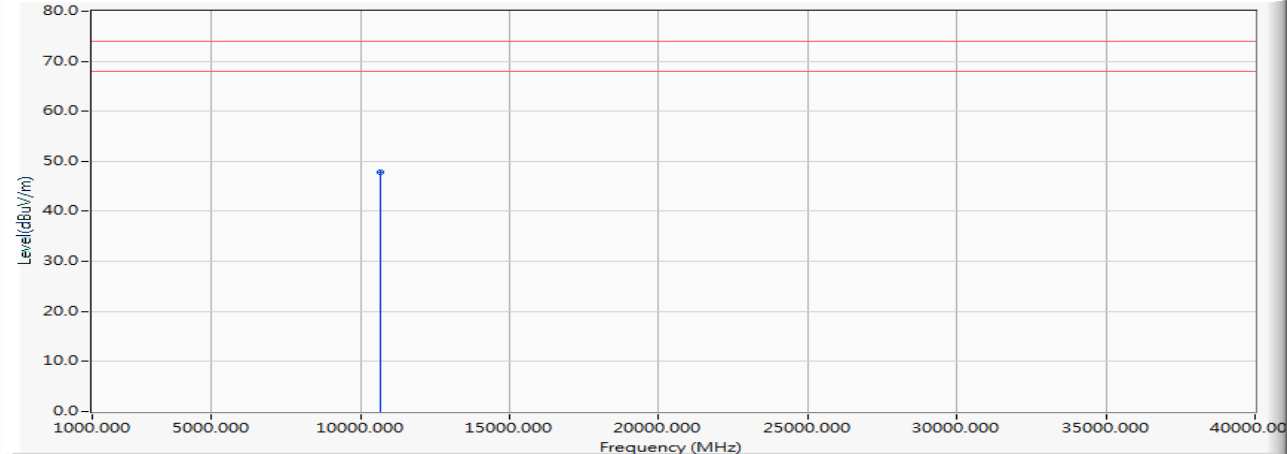
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5320MHz)

Horizontal:



Vertical:



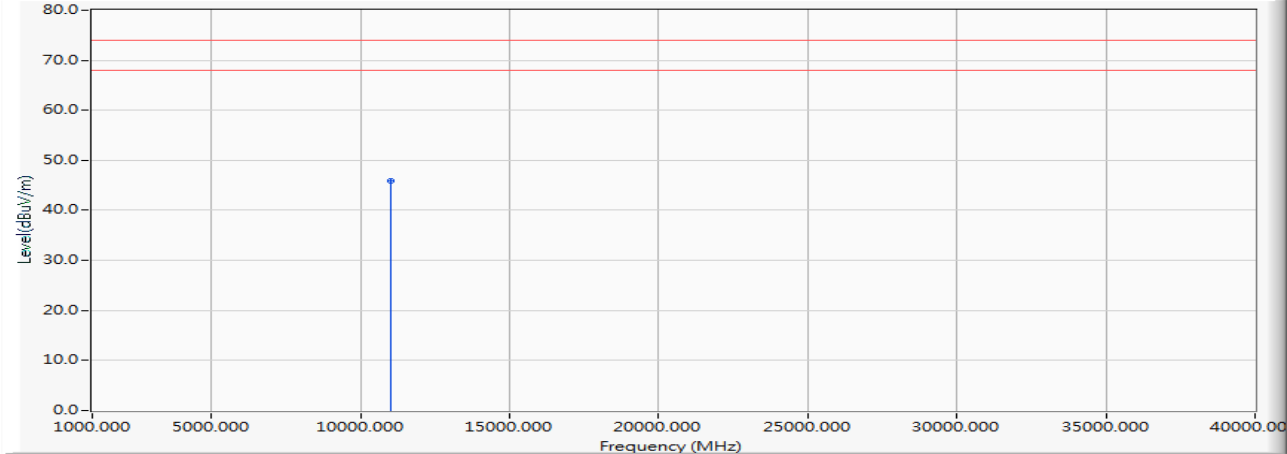
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10640.000	16.864	29.343	46.207	-27.793	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	16.864	31.019	47.883	-26.117	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

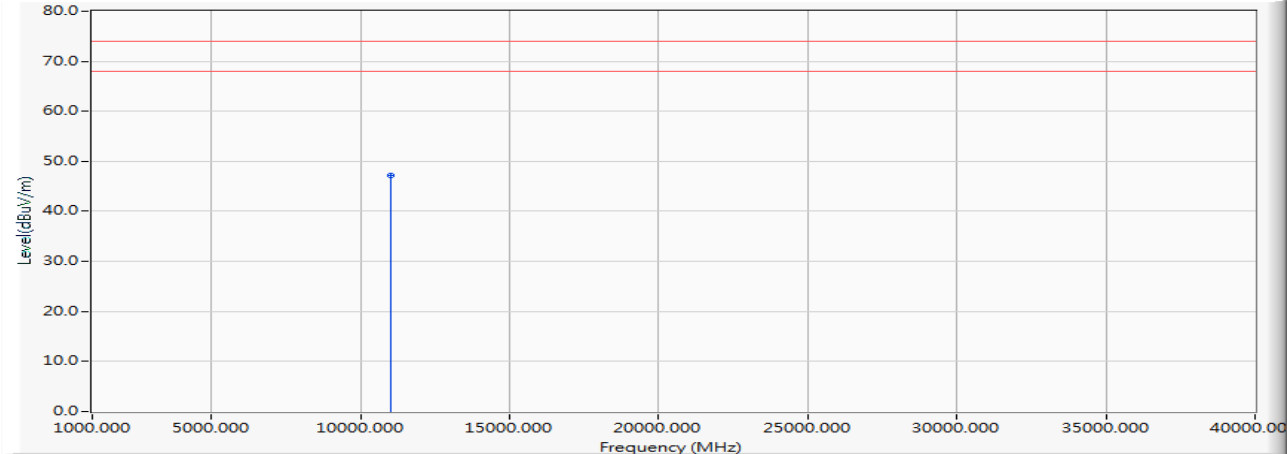
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)

Horizontal:



Vertical:



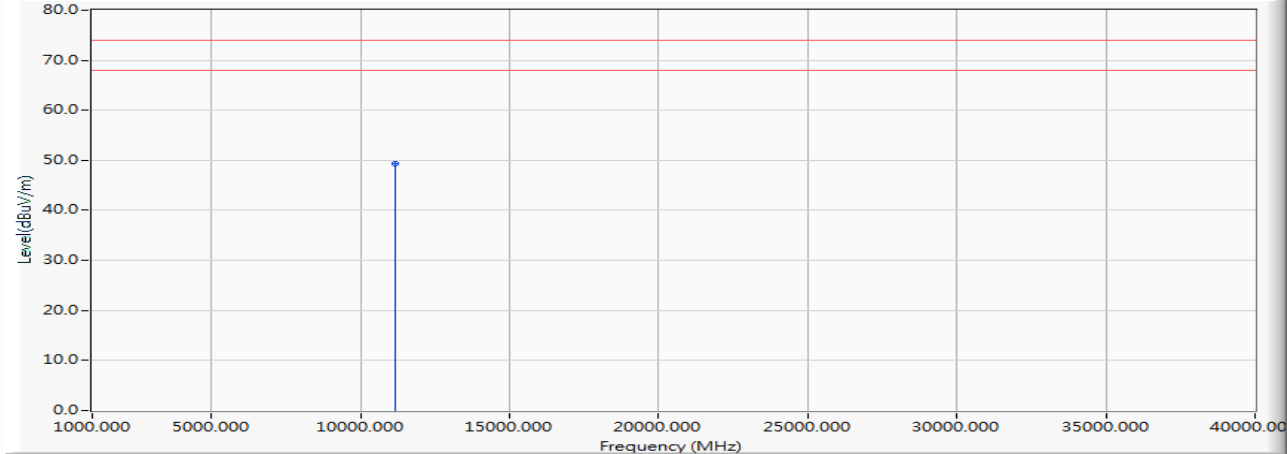
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11000.000	16.989	28.858	45.848	-28.152	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	16.989	30.182	47.172	-26.828	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

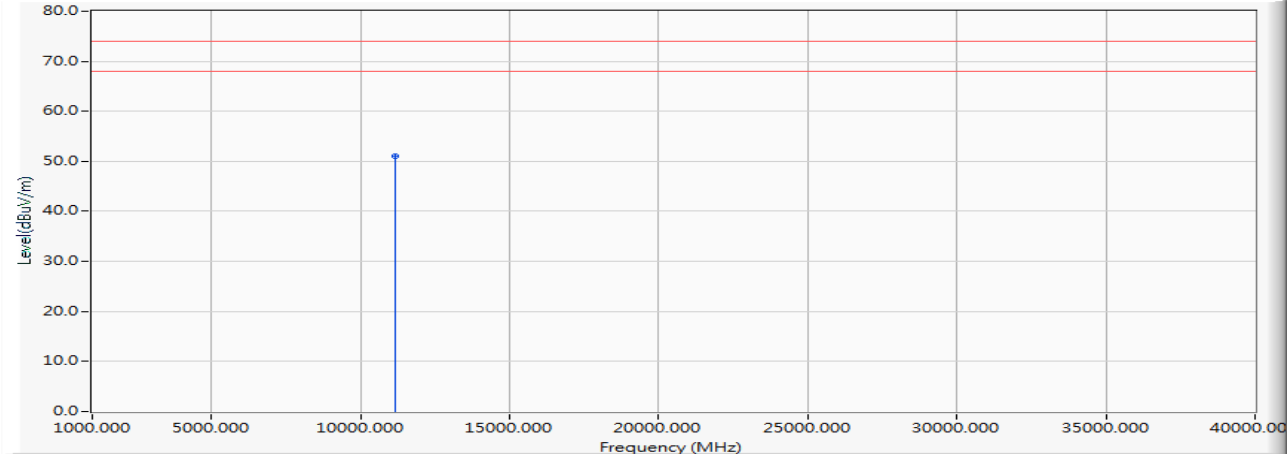
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5580MHz)

Horizontal:



Vertical:



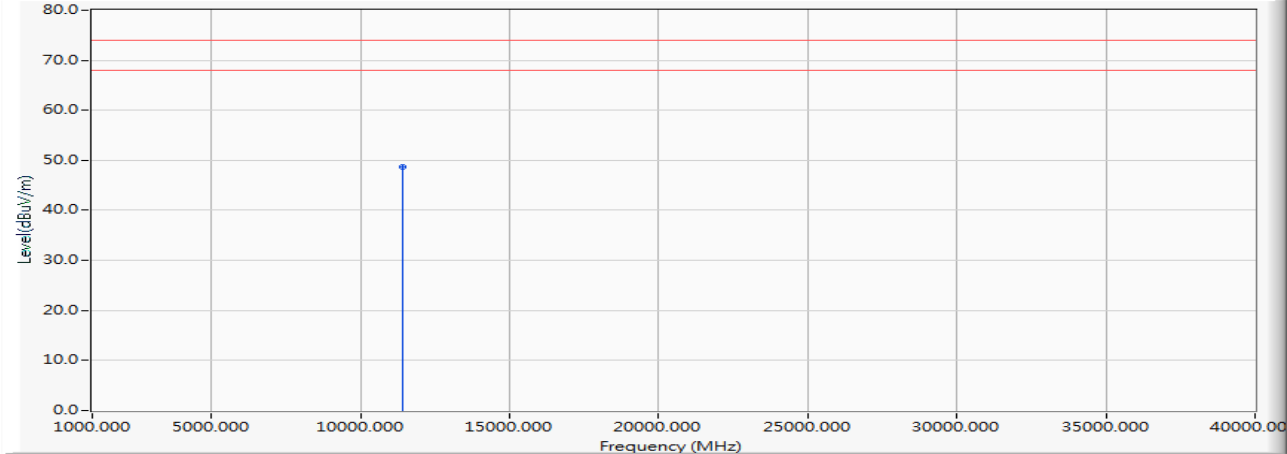
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11160.000	17.343	32.040	49.383	-24.617	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	17.343	33.623	50.966	-23.034	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

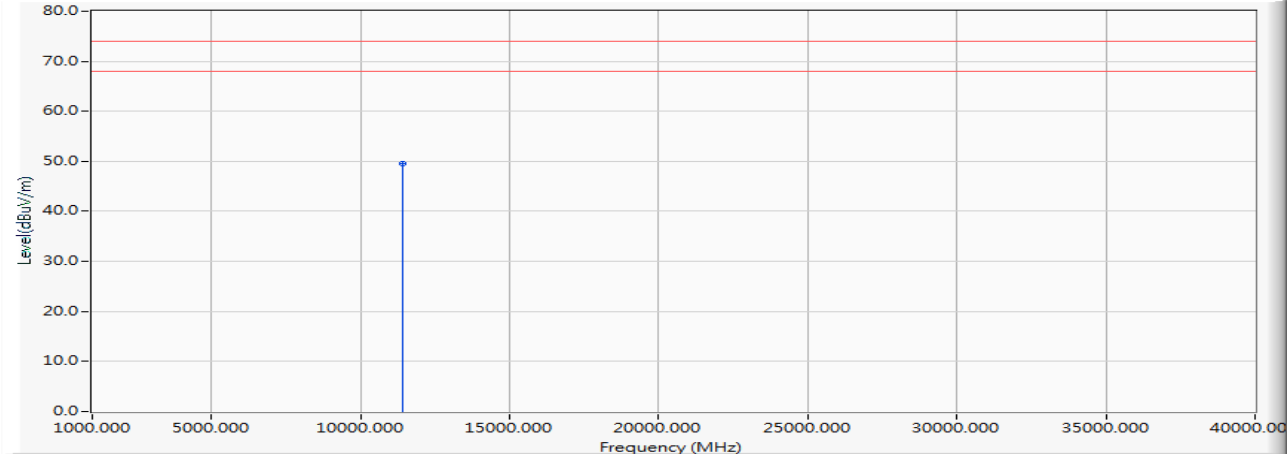
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5700MHz)

Horizontal:



Vertical:



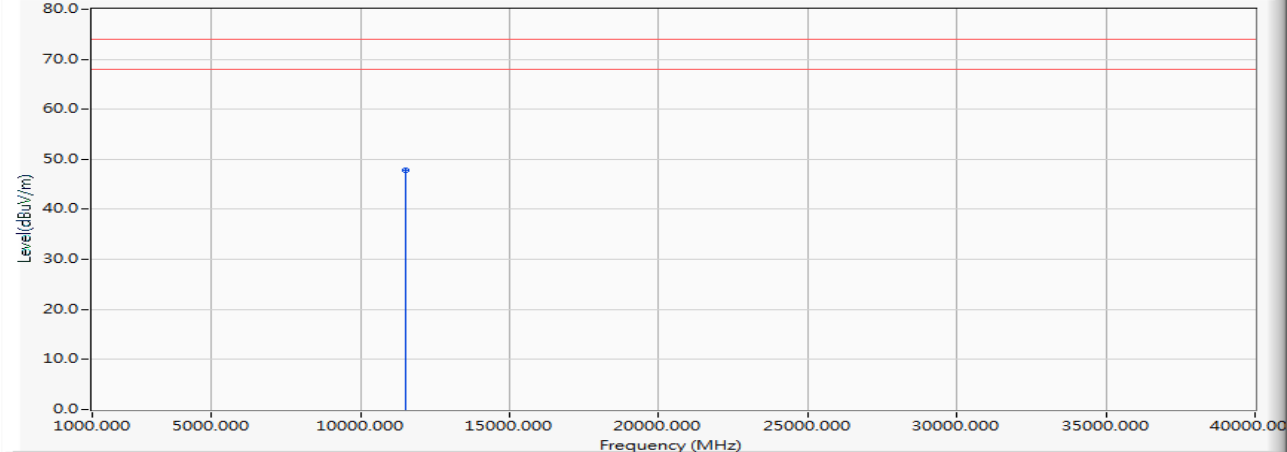
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11400.000	17.433	31.267	48.700	-25.300	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	17.433	32.214	49.647	-24.353	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

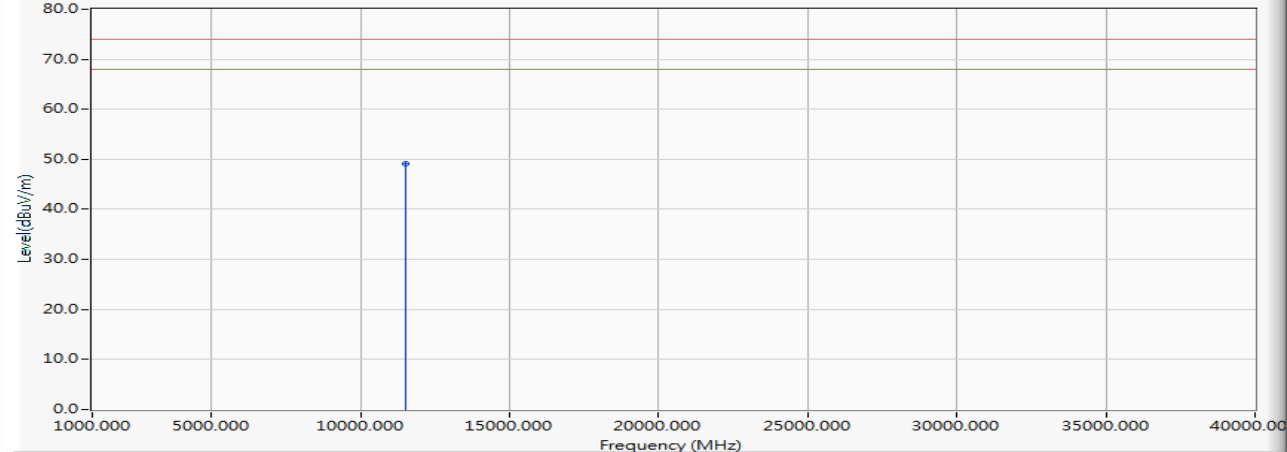
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5745MHz)

Horizontal:



Vertical:



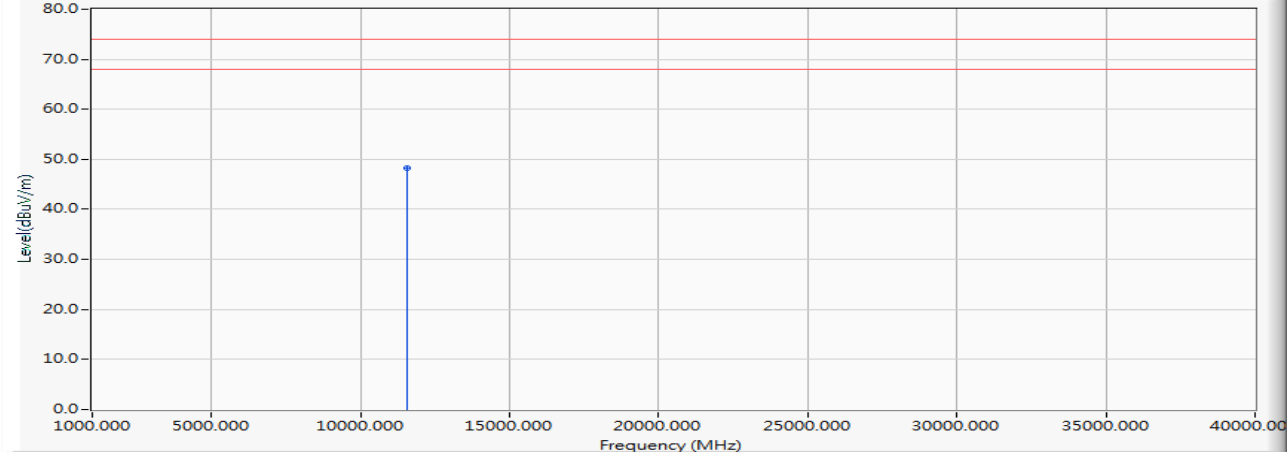
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11490.000	17.670	30.114	47.785	-26.215	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	17.670	31.438	49.109	-24.891	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

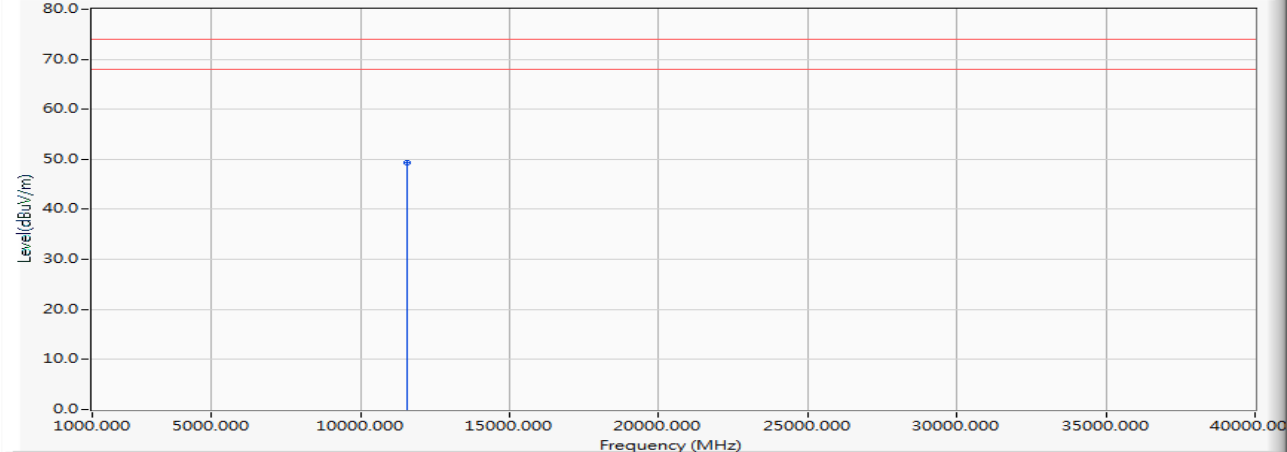
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5785MHz)

Horizontal:



Vertical:



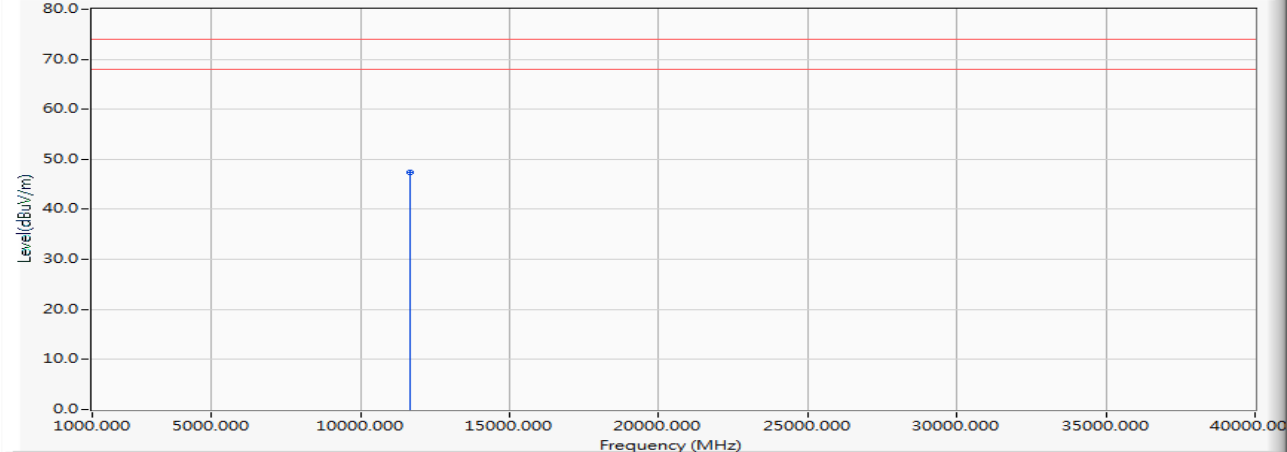
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11570.000	17.618	30.642	48.260	-25.740	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	17.618	31.773	49.391	-24.609	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

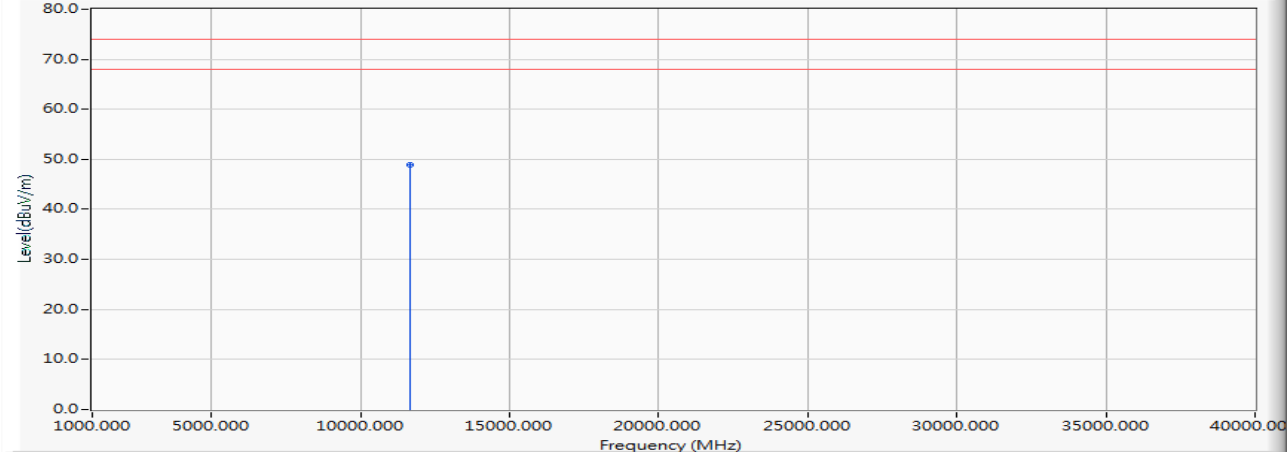
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5825MHz)

Horizontal:



Vertical:



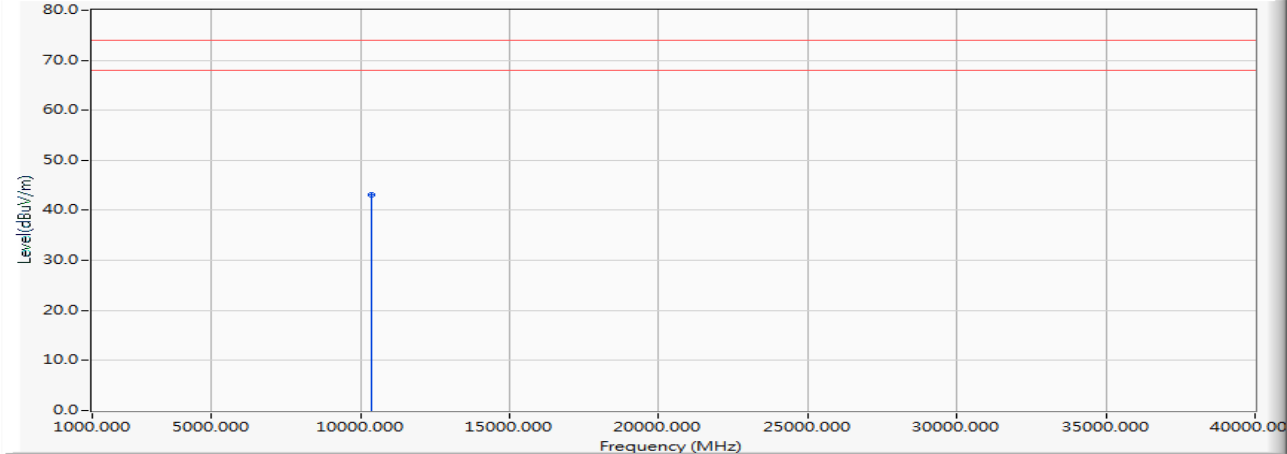
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11650.000	17.763	29.659	47.423	-26.577	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	17.763	31.120	48.884	-25.116	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

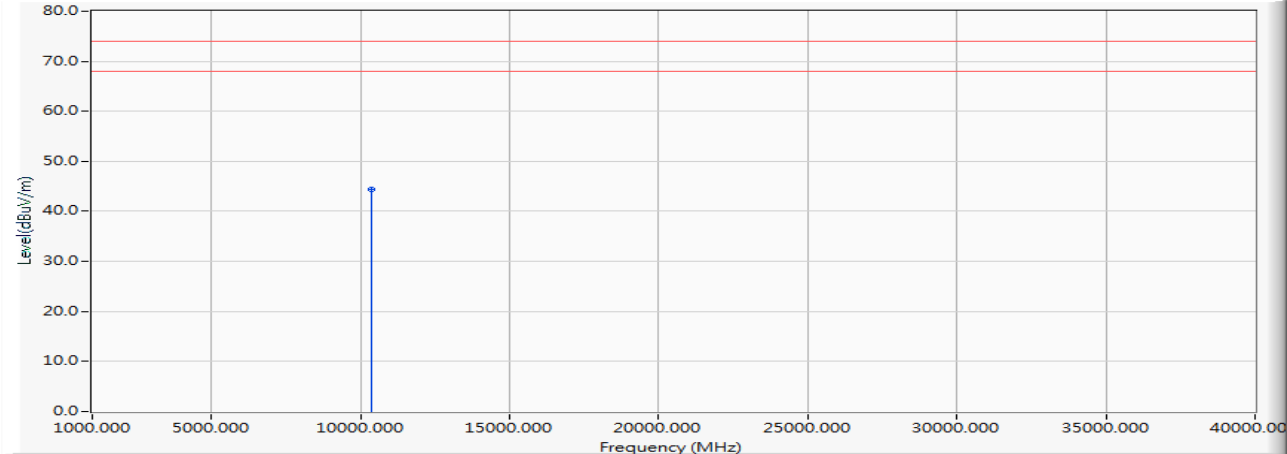
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5190MHz)

Horizontal:



Vertical:



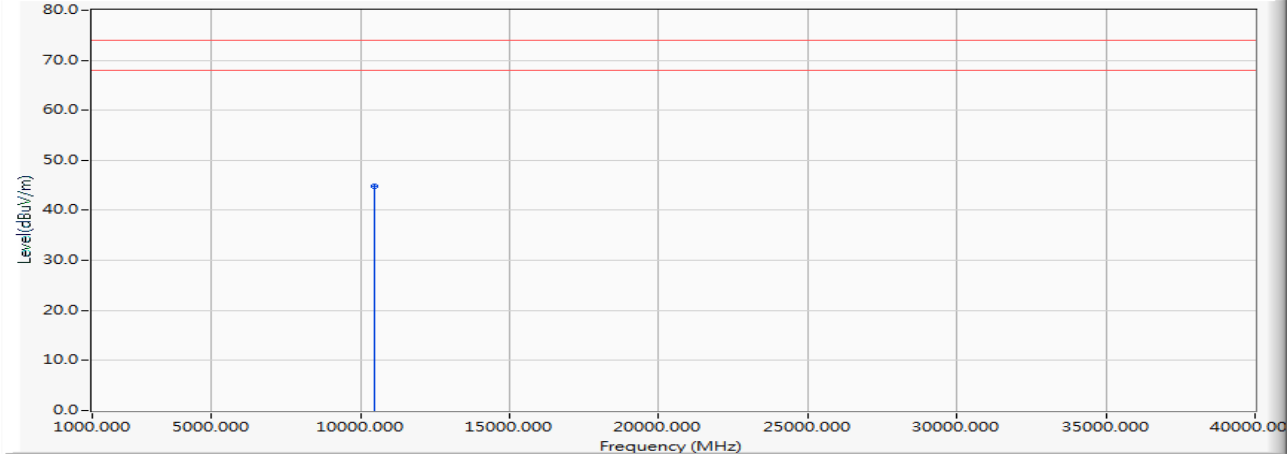
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10380.000	16.325	26.869	43.194	-30.806	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10380.000	16.325	28.002	44.327	-29.673	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

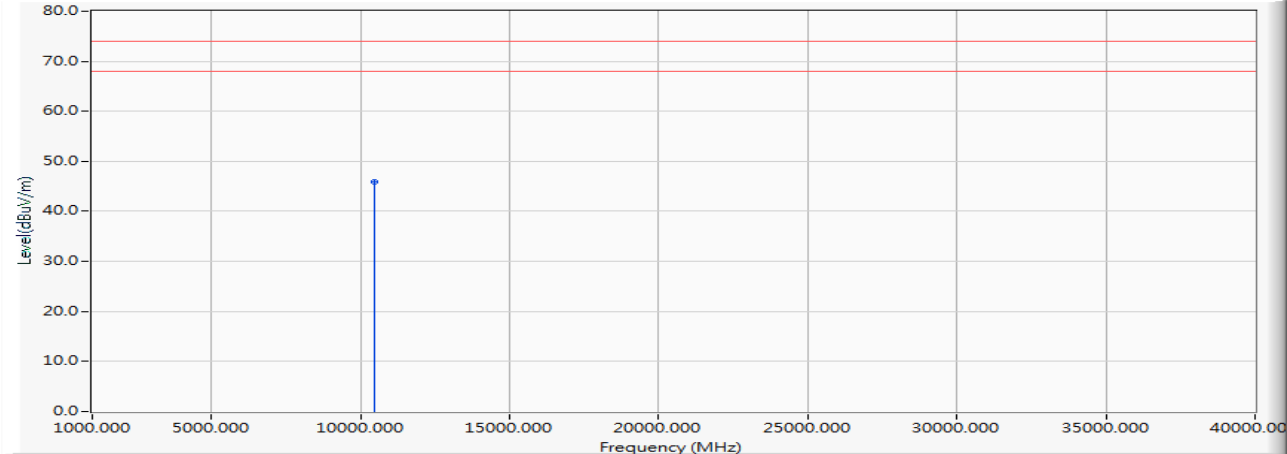
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5230MHz)

Horizontal:



Vertical:



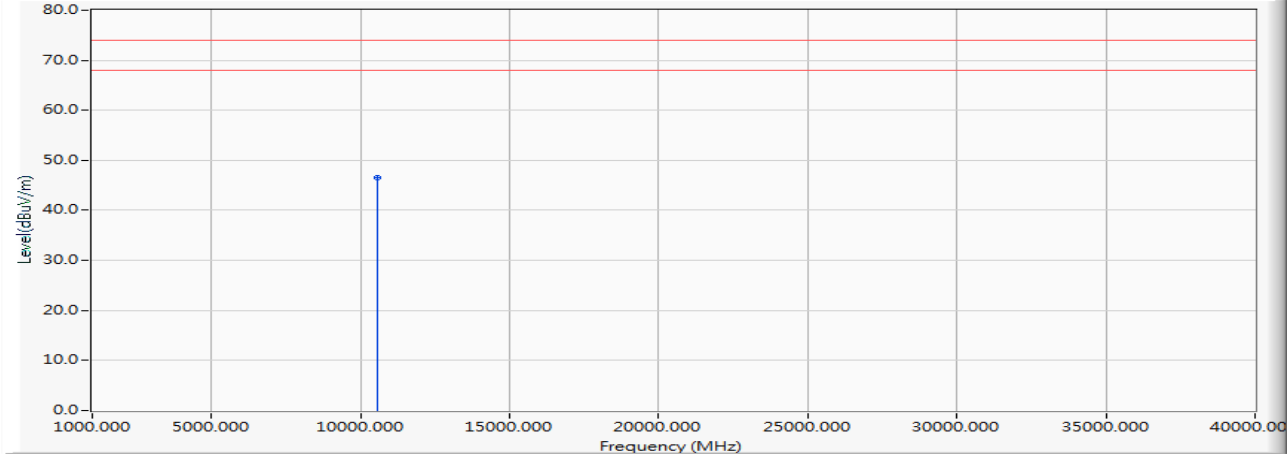
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10460.000	16.253	28.499	44.752	-29.248	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10460.000	16.253	29.691	45.944	-28.056	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

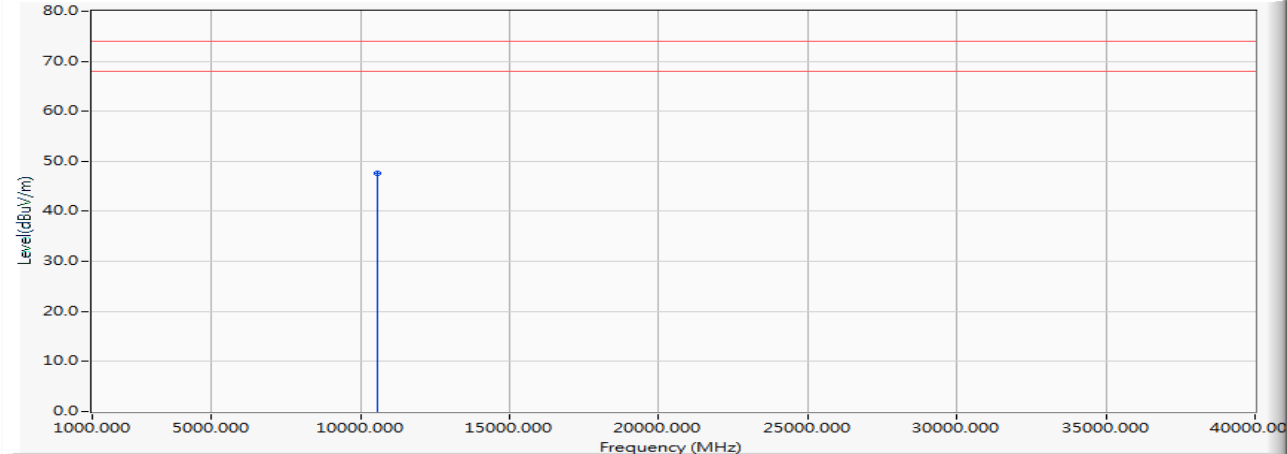
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5270MHz)

Horizontal:



Vertical:



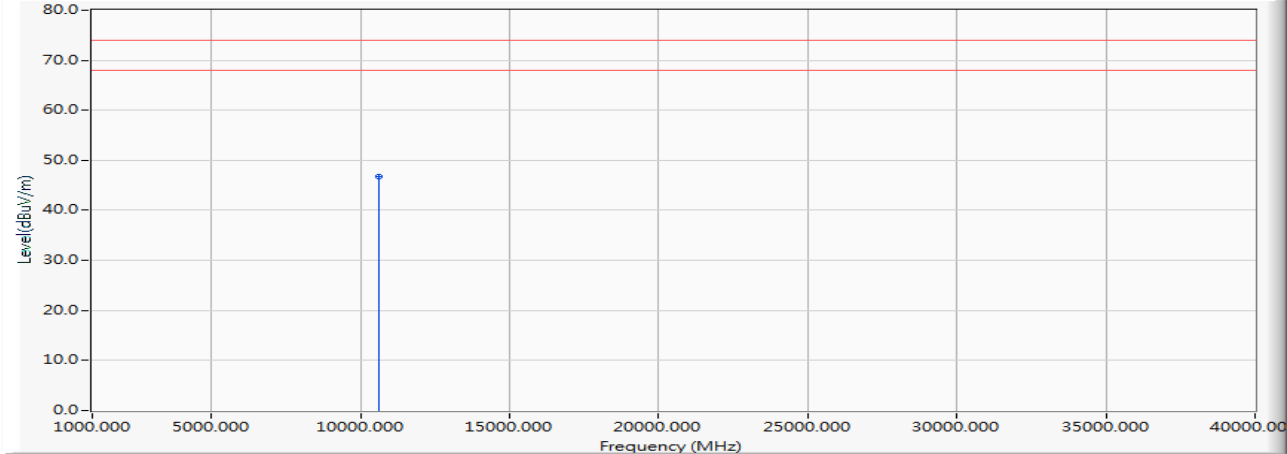
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10540.000	16.415	30.144	46.558	-27.442	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10540.000	16.415	31.128	47.542	-26.458	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

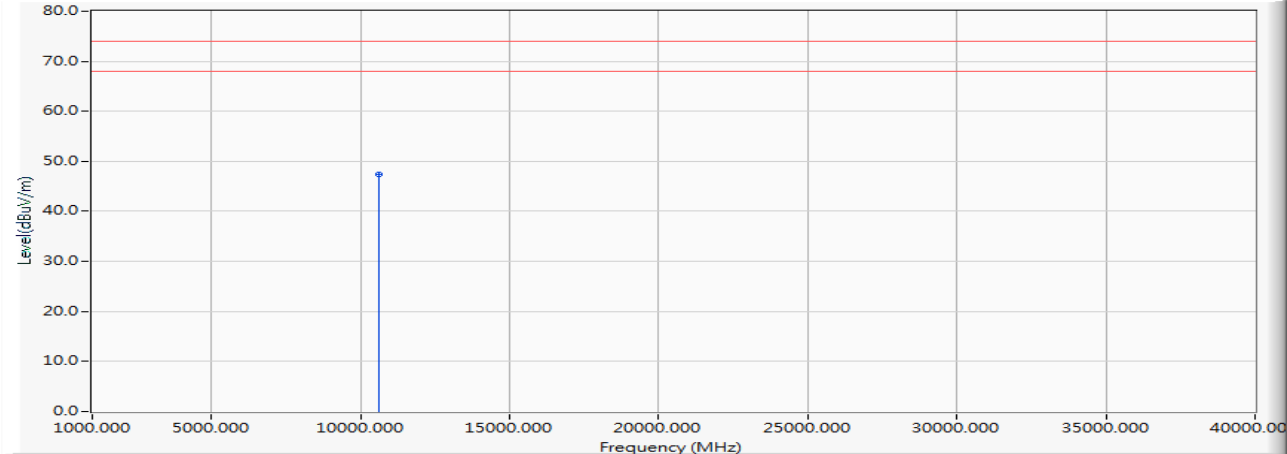
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)

Horizontal:



Vertical:



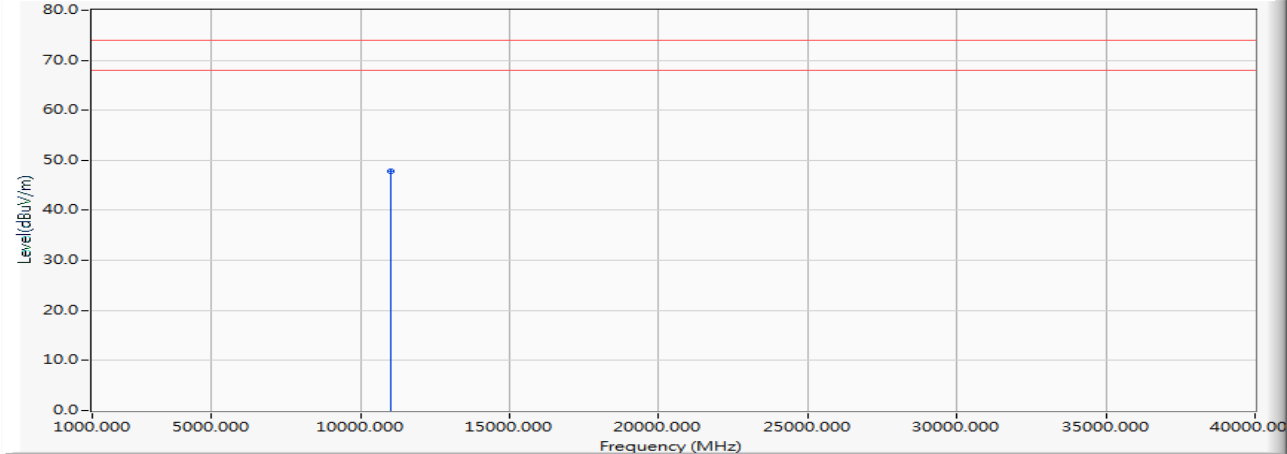
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10620.000	16.655	30.184	46.839	-27.161	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10620.000	16.655	30.848	47.503	-26.497	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

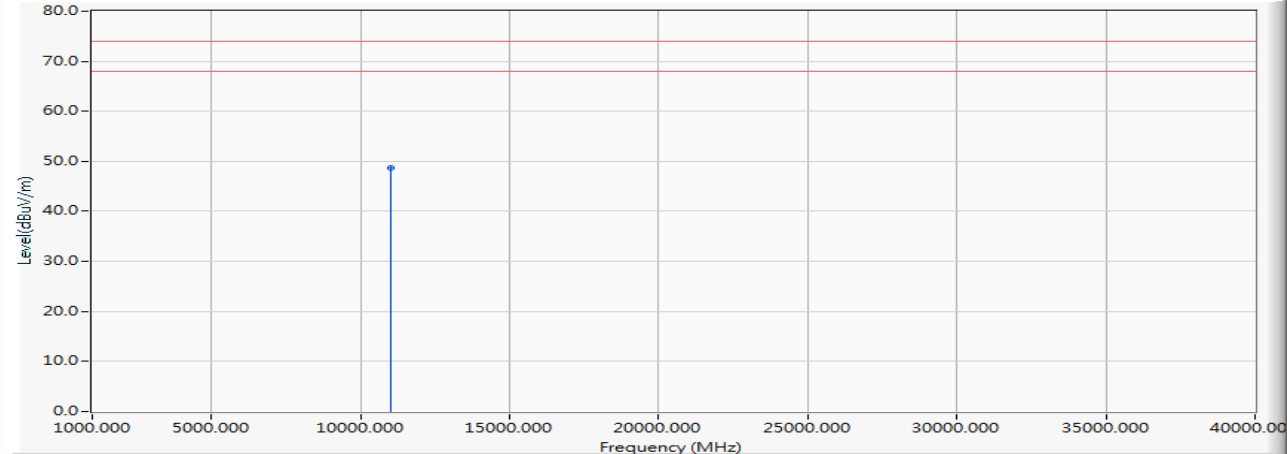
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)

Horizontal:



Vertical:



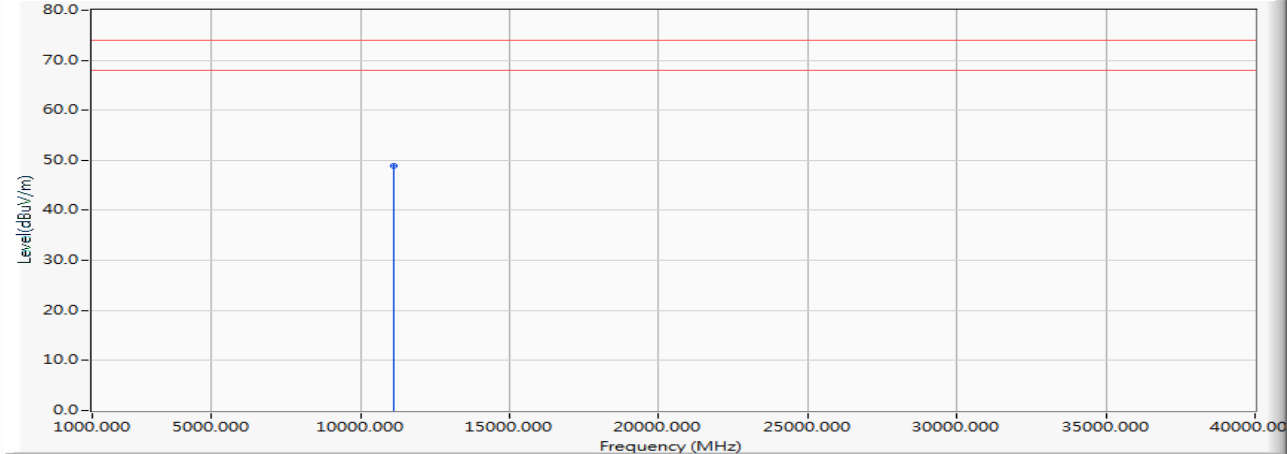
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11020.000	17.082	30.652	47.733	-26.267	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11020.000	17.082	31.703	48.784	-25.216	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

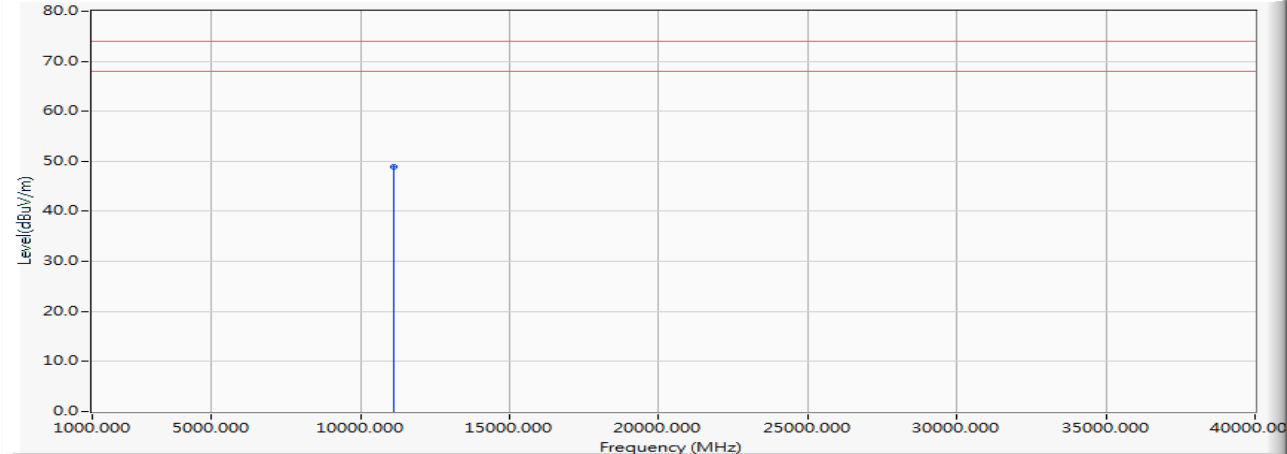
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5550MHz)

Horizontal:



Vertical:



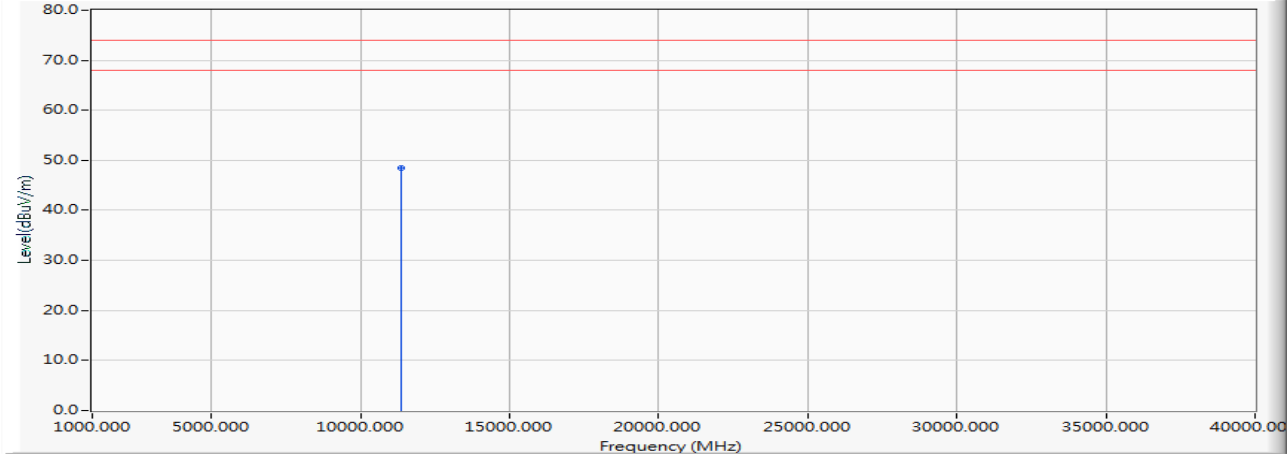
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11100.000	17.215	31.771	48.986	-25.014	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11100.000	17.215	32.995	50.210	-23.790	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

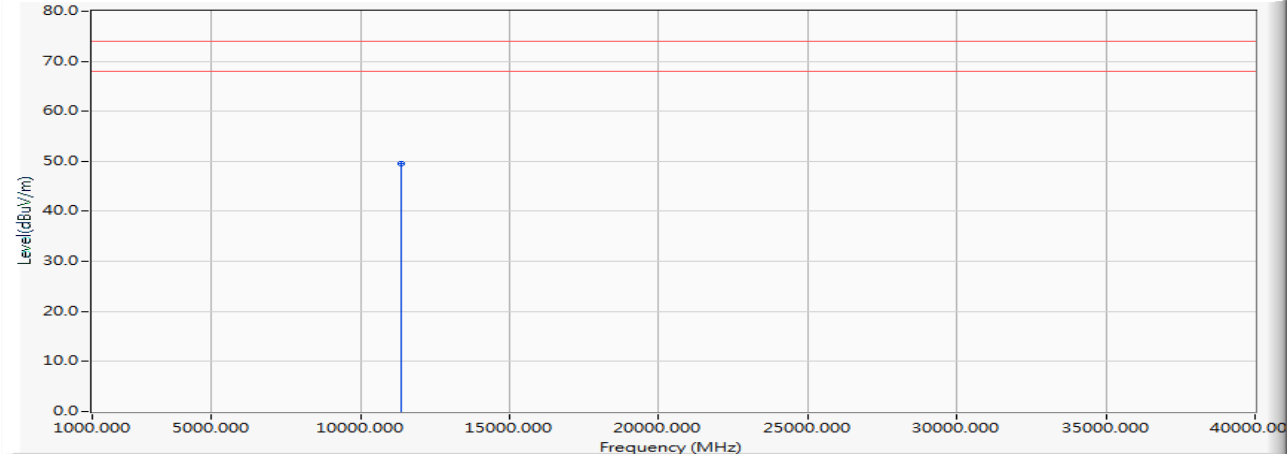
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5670MHz)

Horizontal:



Vertical:



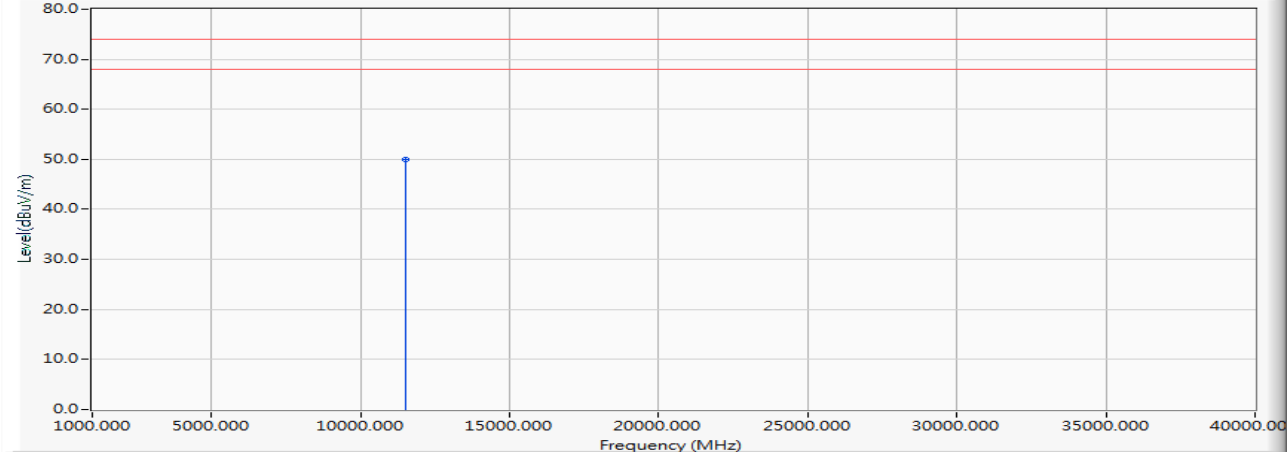
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11340.000	17.398	30.975	48.373	-25.627	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11340.000	17.398	32.155	49.553	-24.447	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

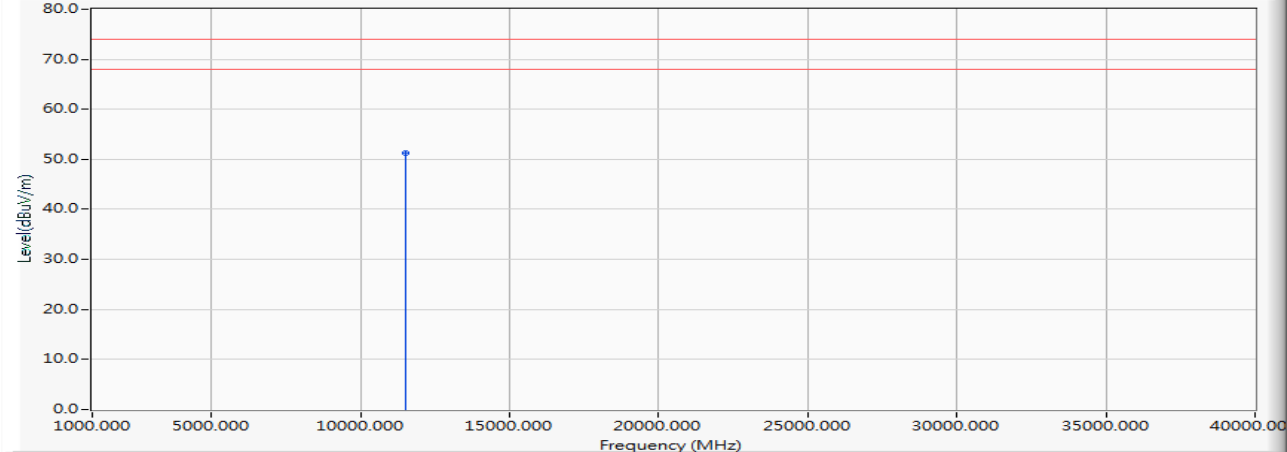
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5755MHz)

Horizontal:



Vertical:



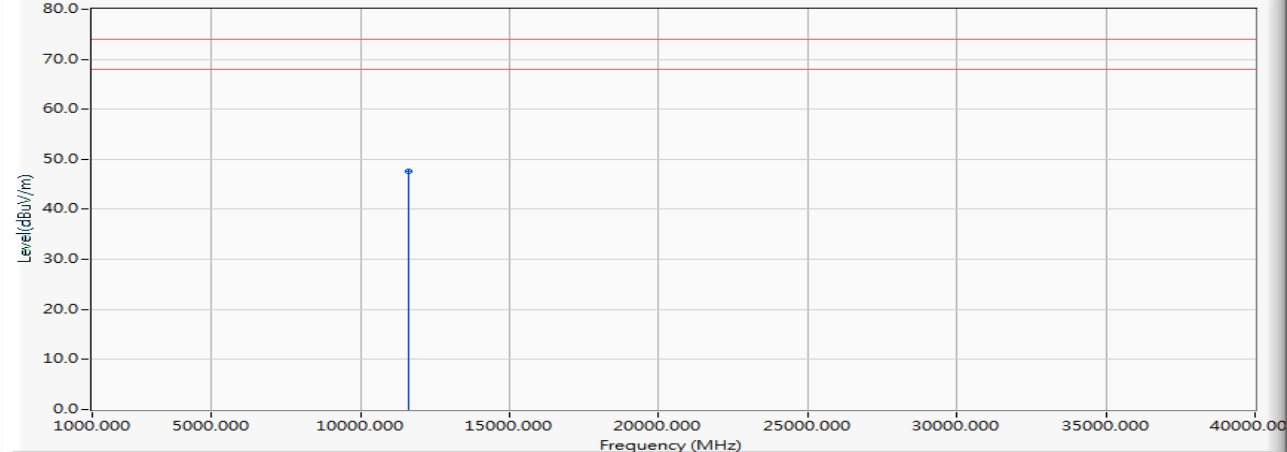
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11510.000	17.649	32.420	50.068	-23.932	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11510.000	17.649	33.504	51.153	-22.847	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

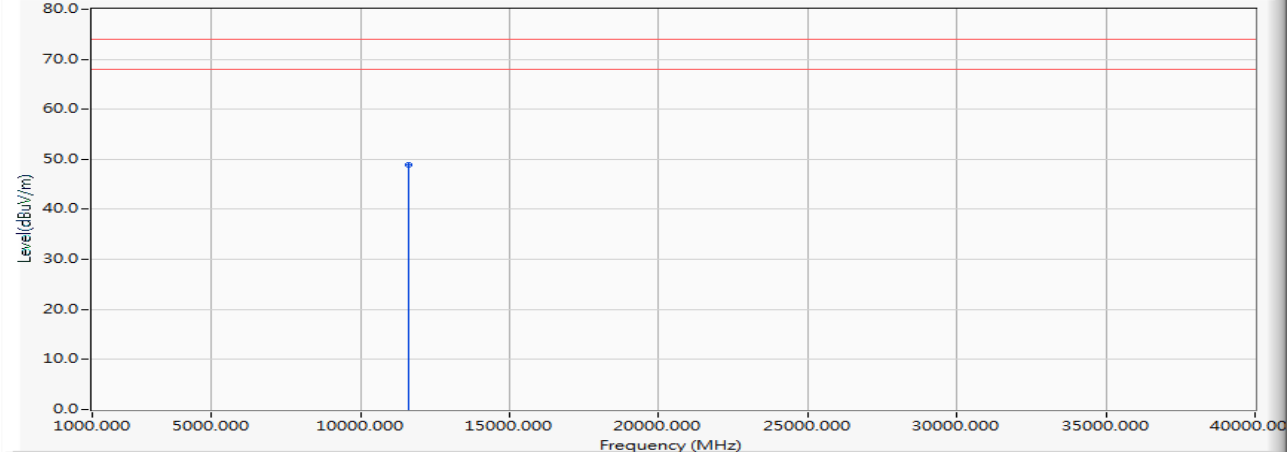
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5795MHz)

Horizontal:



Vertical:



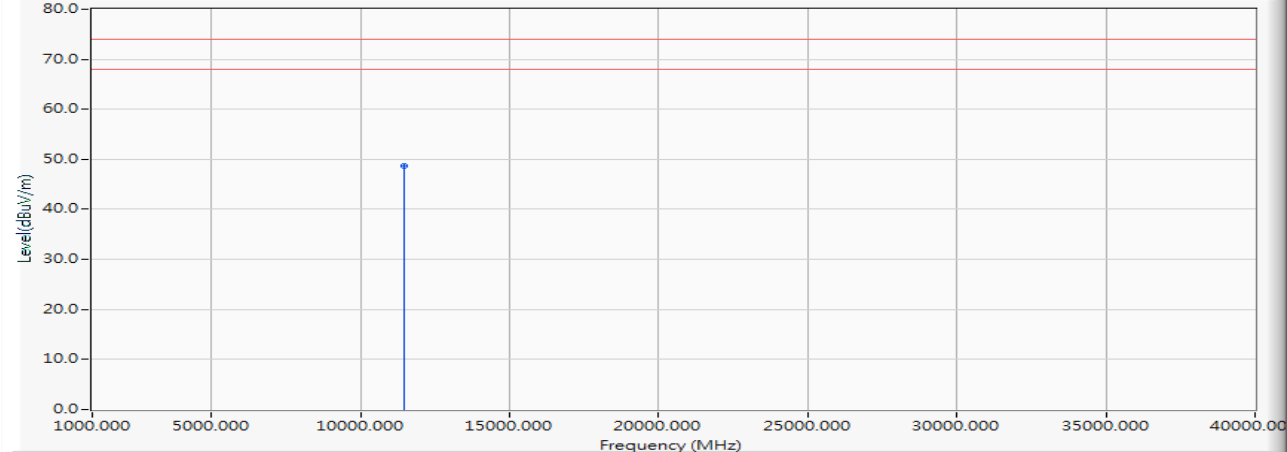
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11590.000	17.702	29.809	47.511	-26.489	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11590.000	17.702	31.155	48.857	-25.143	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

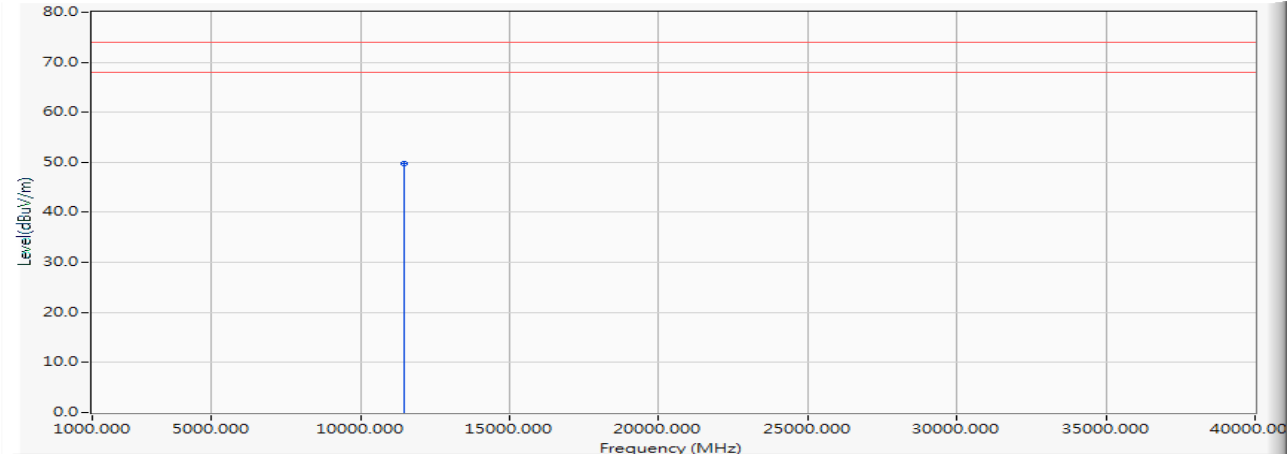
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/18
Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps) (5720MHz)

Horizontal:



Vertical:



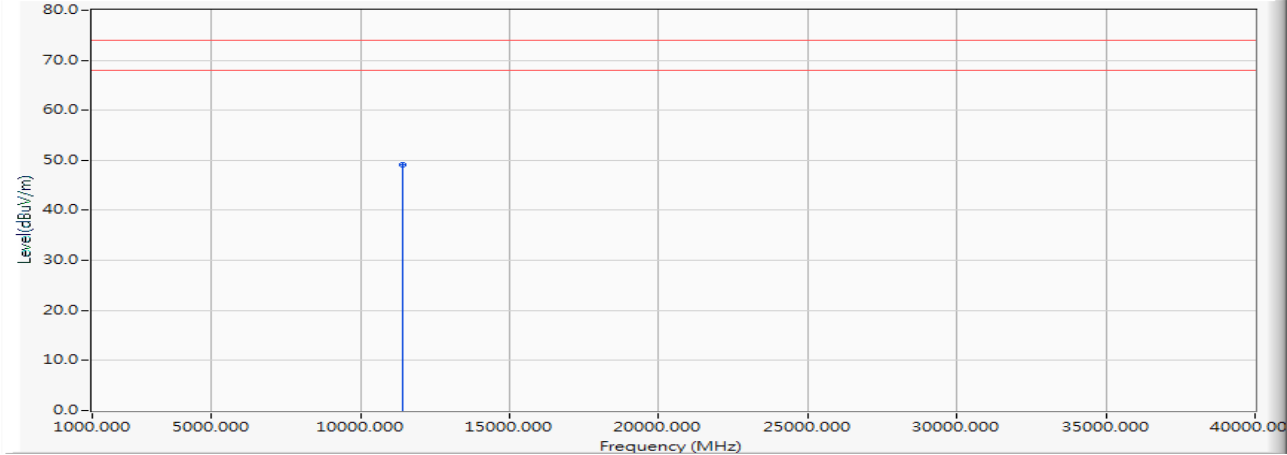
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11440.000	17.479	31.283	48.762	-25.238	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11440.000	17.479	32.225	49.704	-24.296	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

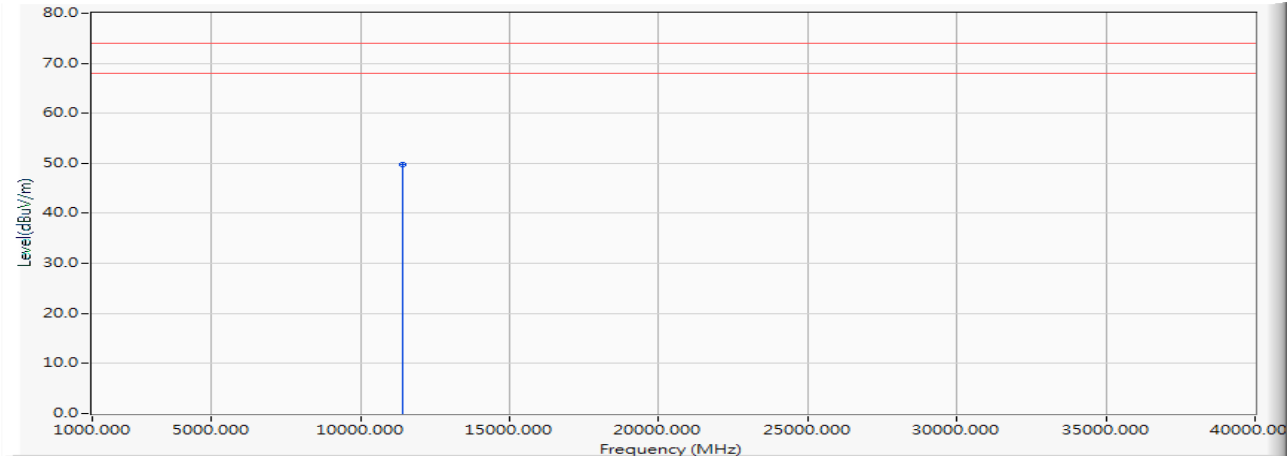
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/18
Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps) (5710MHz)

Horizontal:



Vertical:



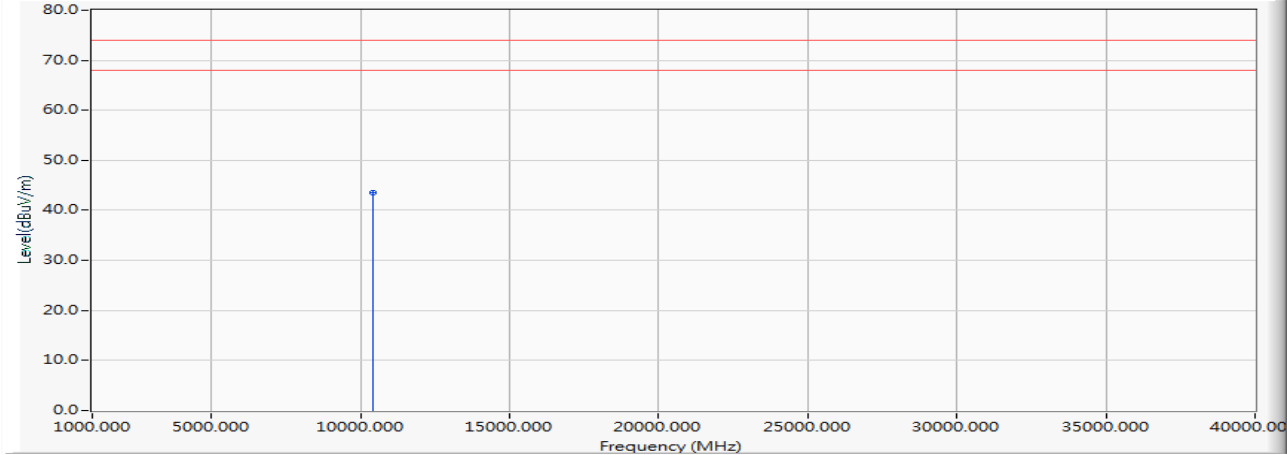
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11420.000	17.501	31.540	49.041	-24.959	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11420.000	17.501	32.154	49.655	-24.345	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

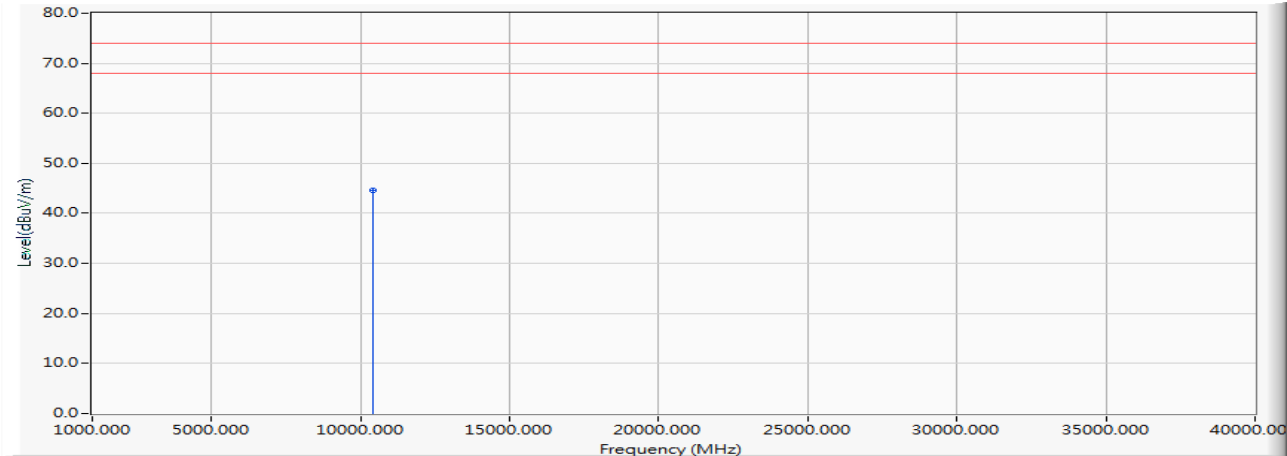
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

Horizontal:



Vertical:



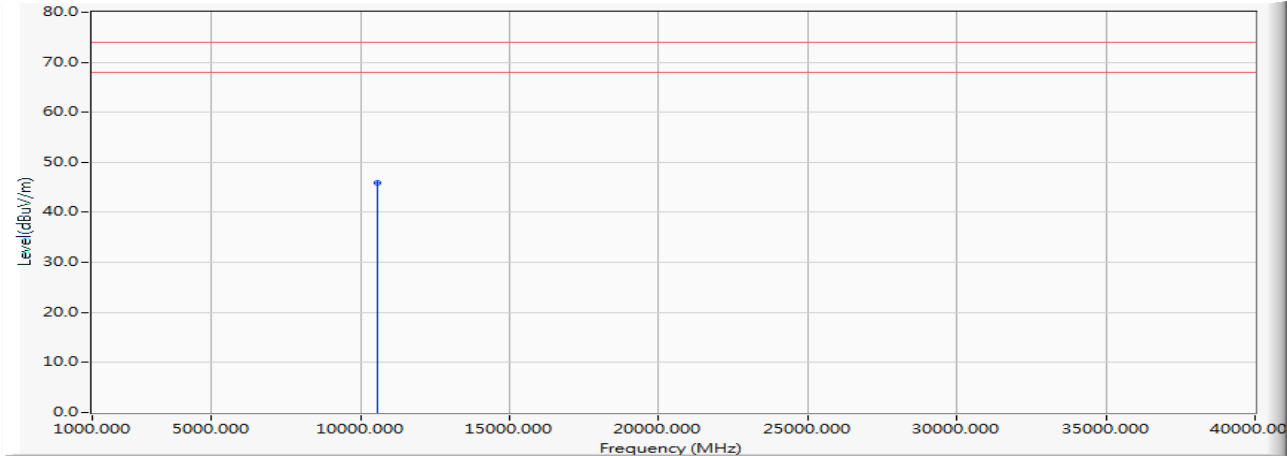
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10420.000	16.519	26.929	43.449	-30.551	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10420.000	16.519	28.131	44.651	-29.349	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

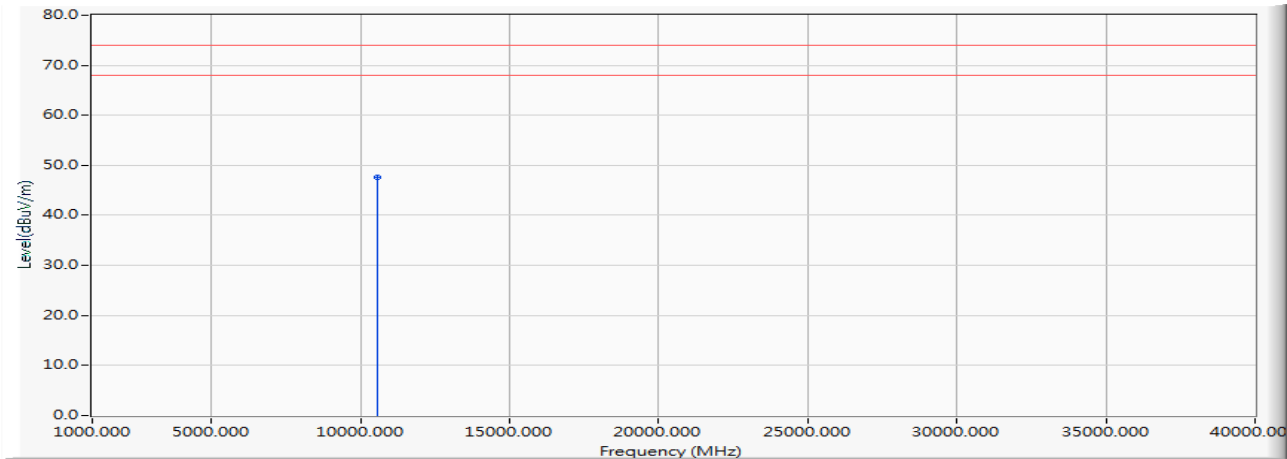
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5290MHz)

Horizontal:



Vertical:



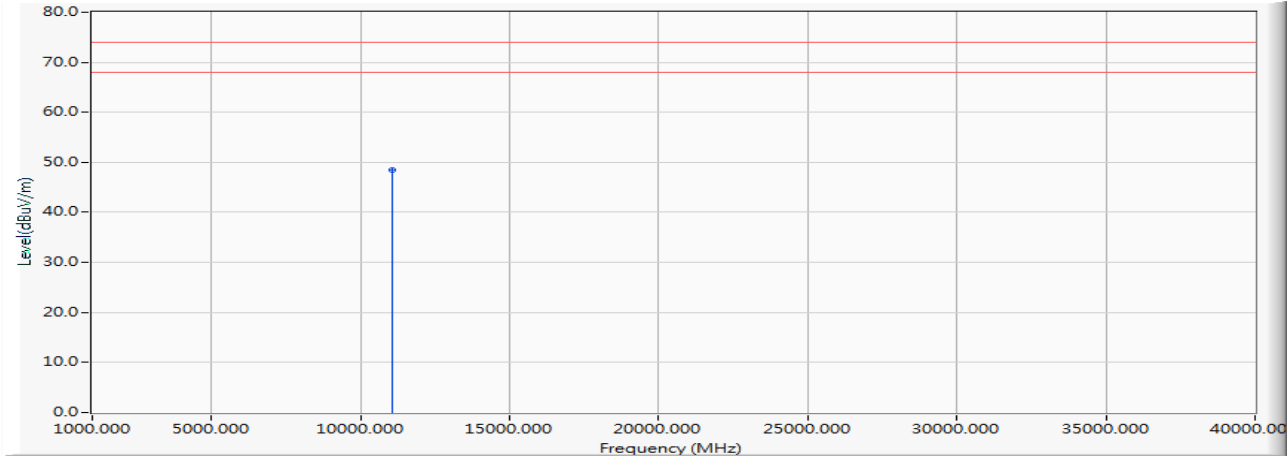
Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10580.000	16.510	29.375	45.885	-28.115	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10580.000	16.510	31.142	47.652	-26.348	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

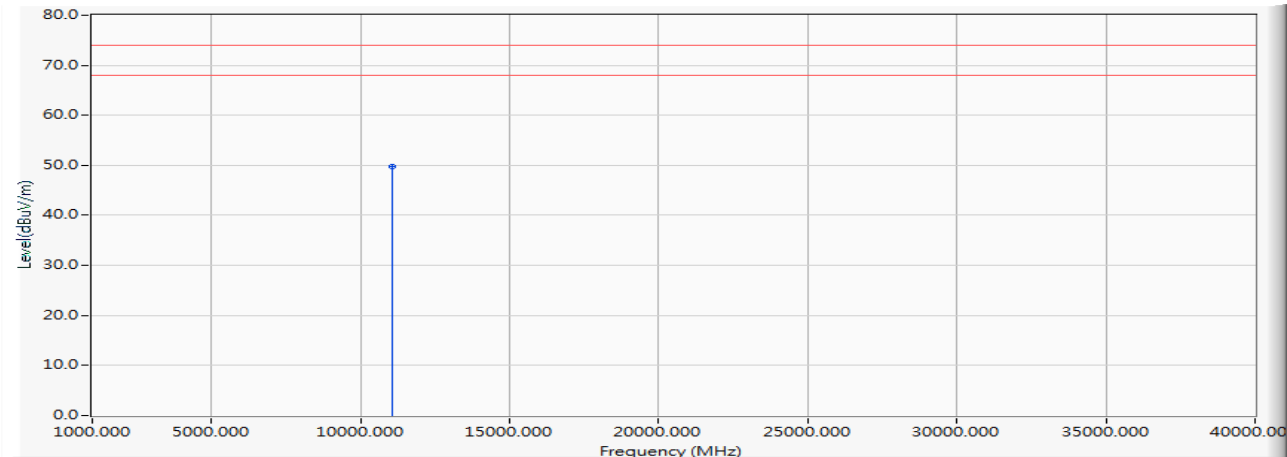
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

Horizontal:



Vertical:



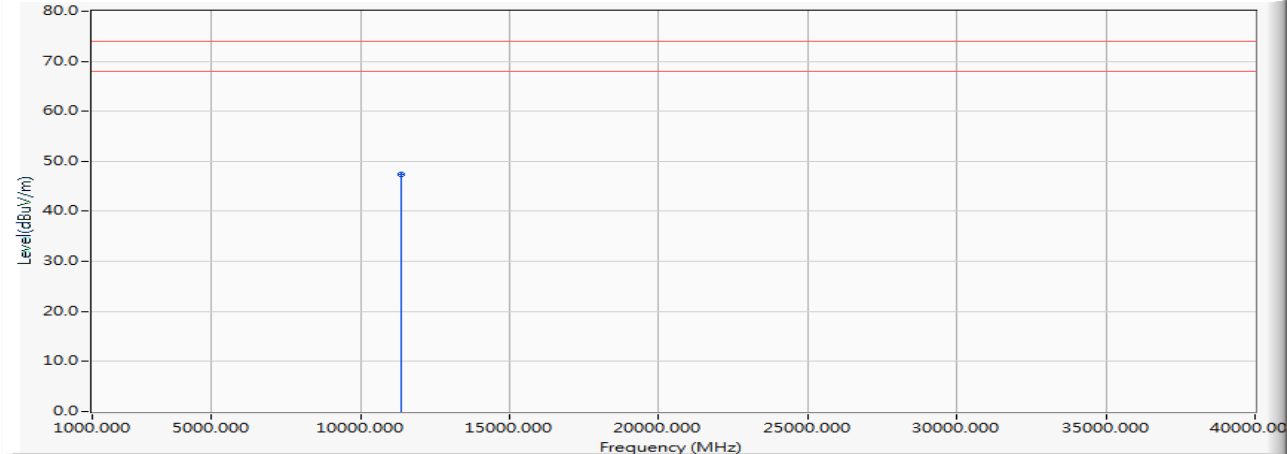
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11060.000	17.117	31.452	48.569	-25.431	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11060.000	17.117	32.601	49.718	-24.282	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

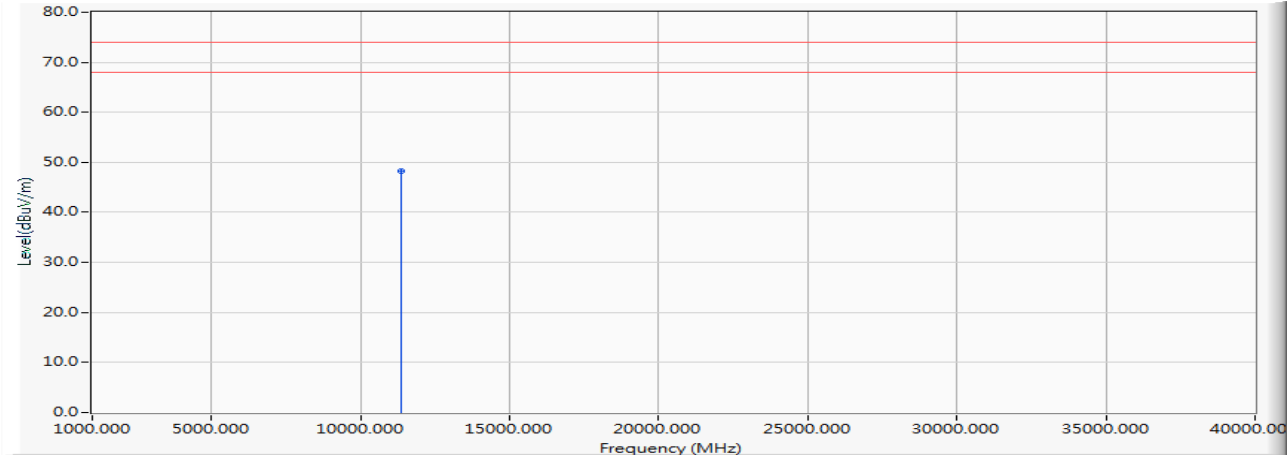
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5690MHz)

Horizontal:



Vertical:



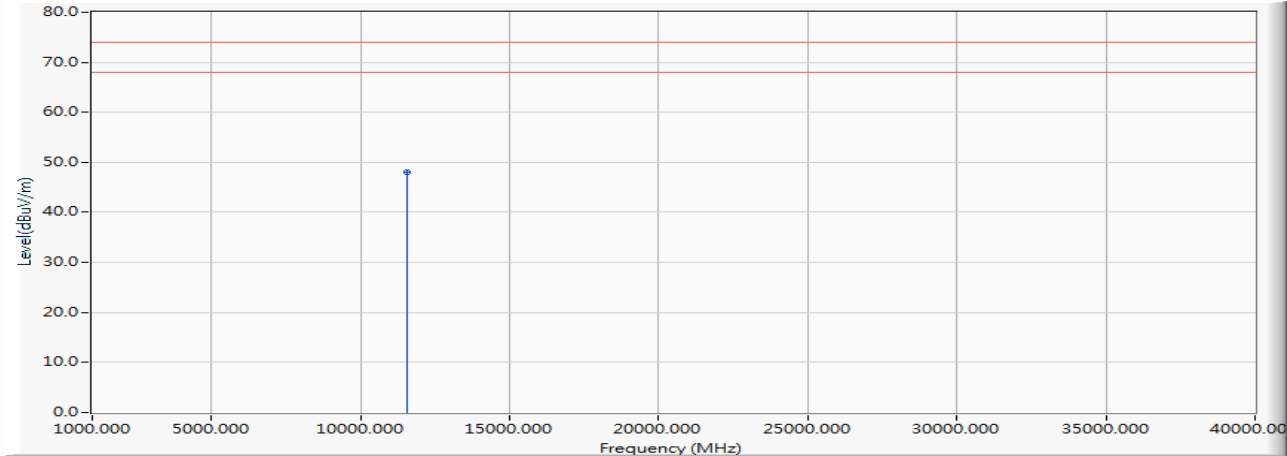
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11380.000	17.412	29.914	47.326	-26.674	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11380.000	17.412	30.828	48.240	-25.760	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

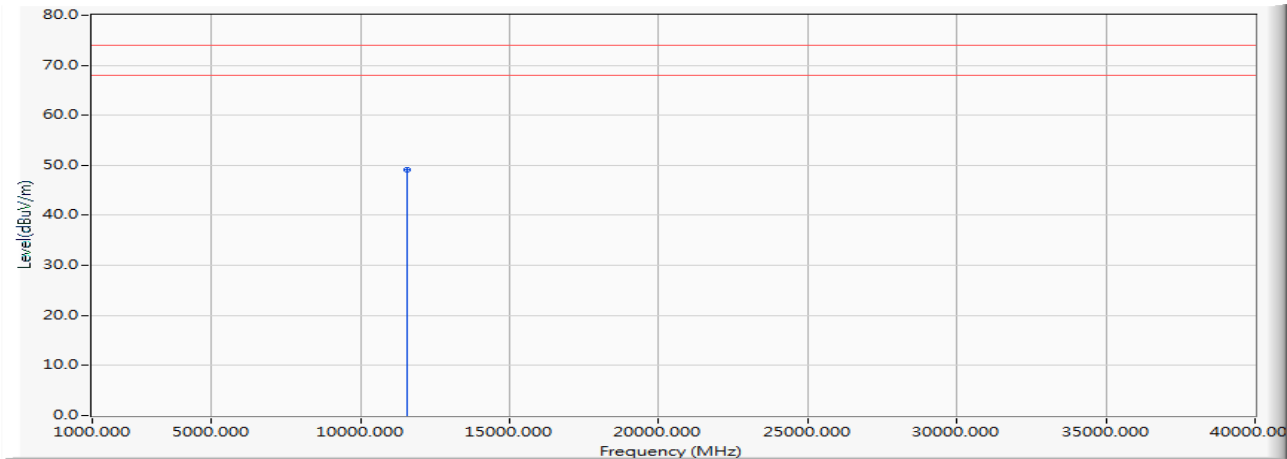
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Date : 2018/12/11
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5775MHz)

Horizontal:



Vertical:



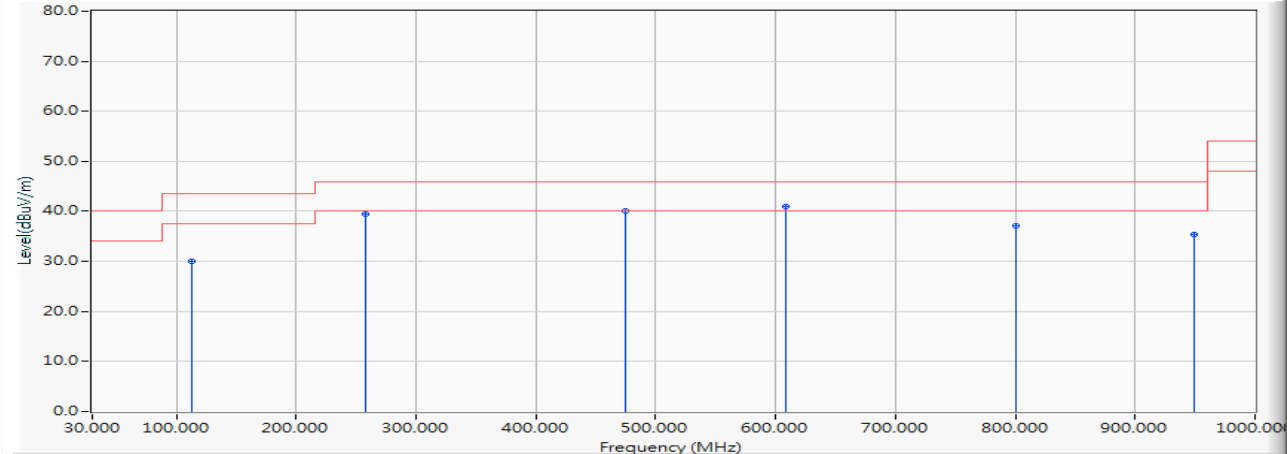
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11550.000	17.725	30.319	48.043	-25.957	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
11550.000	17.725	31.424	49.148	-24.852	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
--					

Note:

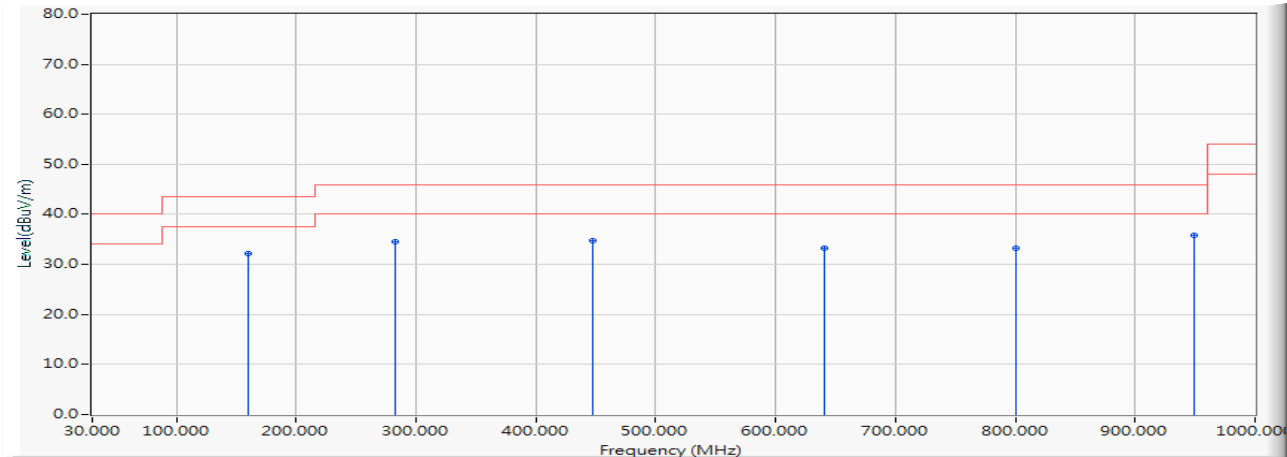
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (DYS602-240250-15714A)

Horizontal:



Vertical:



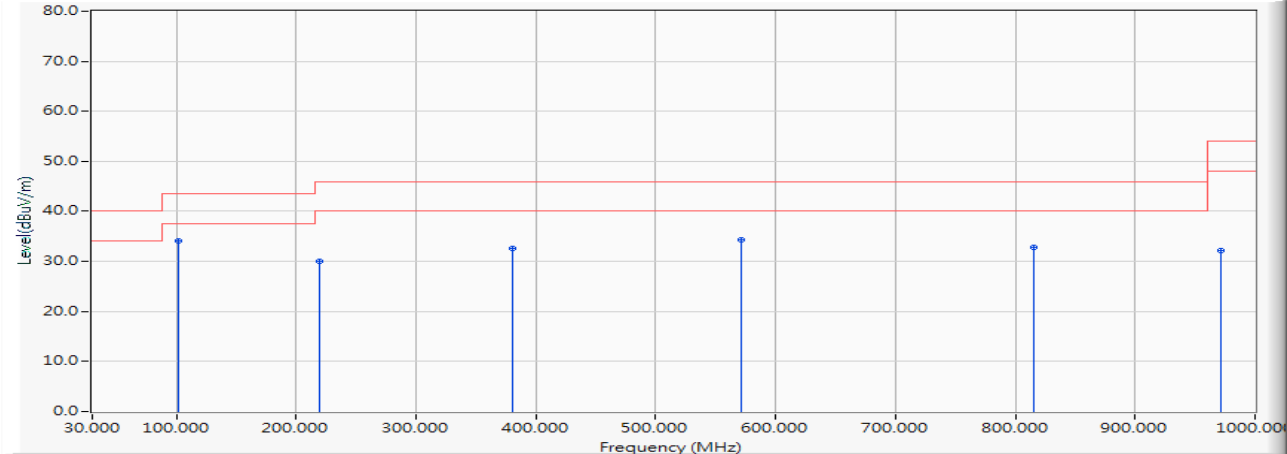
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
113.420	-13.079	43.169	30.090	-13.410	43.500
257.950	-5.755	45.271	39.516	-6.484	46.000
475.230	-3.331	43.418	40.087	-5.913	46.000
608.120	3.297	37.699	40.996	-5.004	46.000
800.180	3.354	33.738	37.092	-8.908	46.000
949.560	7.085	28.339	35.424	-10.576	46.000
Vertical					
Peak Detector					
159.980	-2.647	34.719	32.072	-11.428	43.500
282.200	-6.288	40.924	34.636	-11.364	46.000
448.070	-4.417	39.101	34.684	-11.316	46.000
640.130	2.888	30.288	33.176	-12.824	46.000
800.180	3.354	29.958	33.312	-12.688	46.000
949.560	7.085	28.691	35.776	-10.224	46.000

Note:

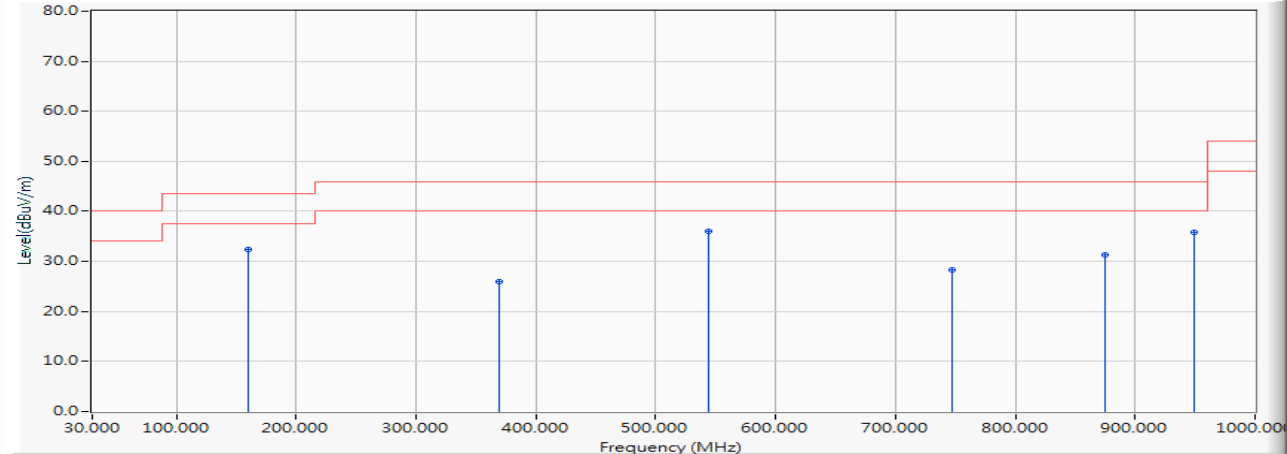
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (DYS602-240250-15714A)

Horizontal:



Vertical:



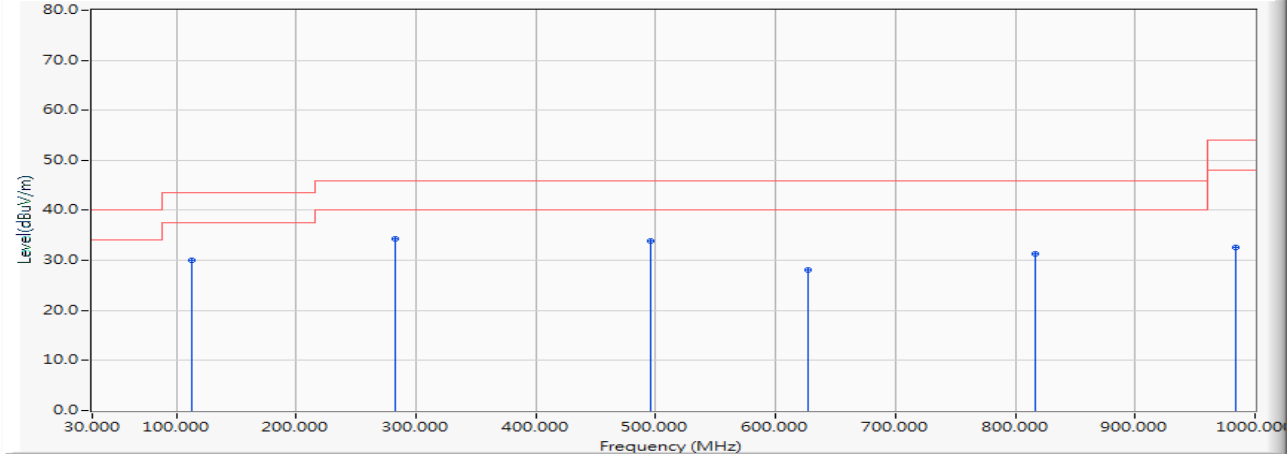
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
101.780	-13.541	47.578	34.037	-9.463	43.500
219.150	-6.643	36.754	30.111	-15.889	46.000
380.170	-5.706	38.366	32.660	-13.340	46.000
571.260	2.084	32.330	34.414	-11.586	46.000
815.700	3.709	29.101	32.810	-13.190	46.000
970.900	8.671	23.432	32.103	-21.897	54.000
Vertical					
Peak Detector					
159.980	-2.647	35.073	32.426	-11.074	43.500
369.500	-6.188	32.051	25.863	-20.137	46.000
544.100	-0.348	36.320	35.972	-10.028	46.000
746.830	2.687	25.531	28.218	-17.782	46.000
874.870	4.821	26.511	31.332	-14.668	46.000
949.560	7.085	28.691	35.776	-10.224	46.000

Note:

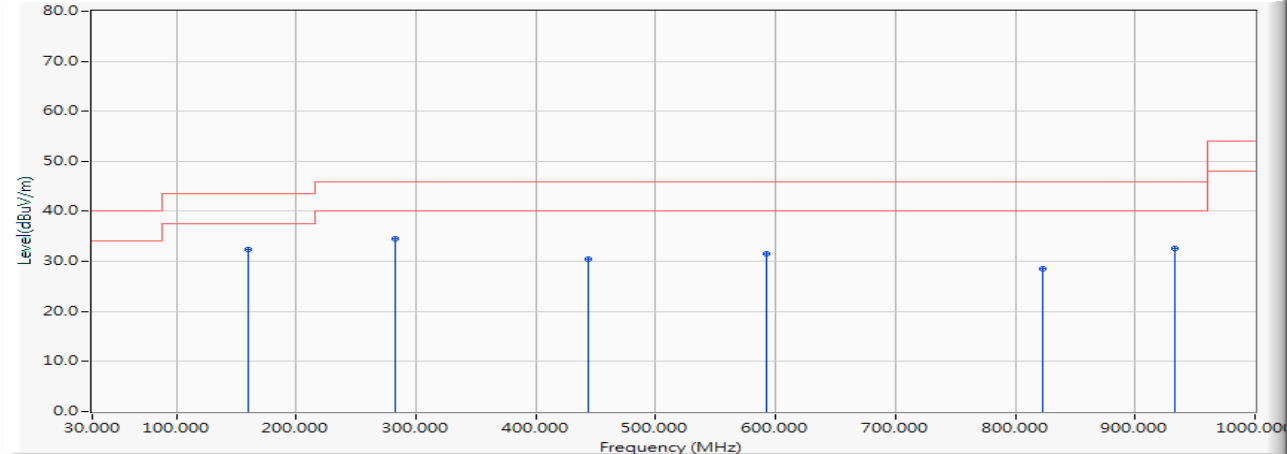
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (DYS602-240250-15714A)

Horizontal:



Vertical:



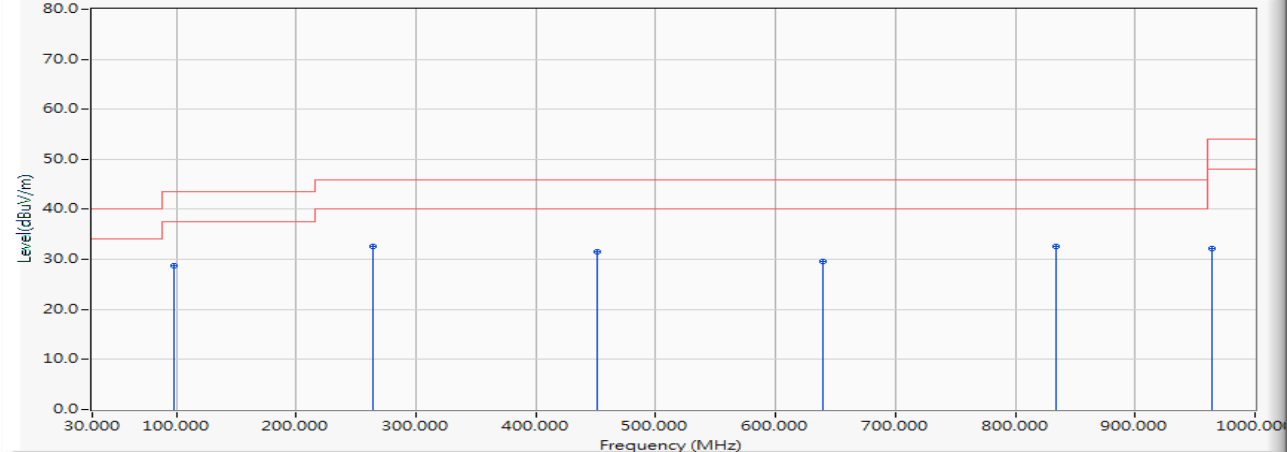
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
113.420	-13.079	43.169	30.090	-13.410	43.500
282.200	-6.288	40.644	34.356	-11.644	46.000
495.600	-2.785	36.694	33.909	-12.091	46.000
627.520	3.060	25.086	28.146	-17.854	46.000
816.670	3.731	27.571	31.302	-14.698	46.000
983.510	10.122	22.431	32.553	-21.447	54.000
Vertical					
Peak Detector					
159.980	-2.647	35.073	32.426	-11.074	43.500
282.200	-6.288	40.924	34.636	-11.364	46.000
444.190	-4.778	35.336	30.558	-15.442	46.000
592.600	3.168	28.297	31.465	-14.535	46.000
822.490	3.754	24.692	28.446	-17.554	46.000
933.070	6.773	25.801	32.574	-13.426	46.000

Note:

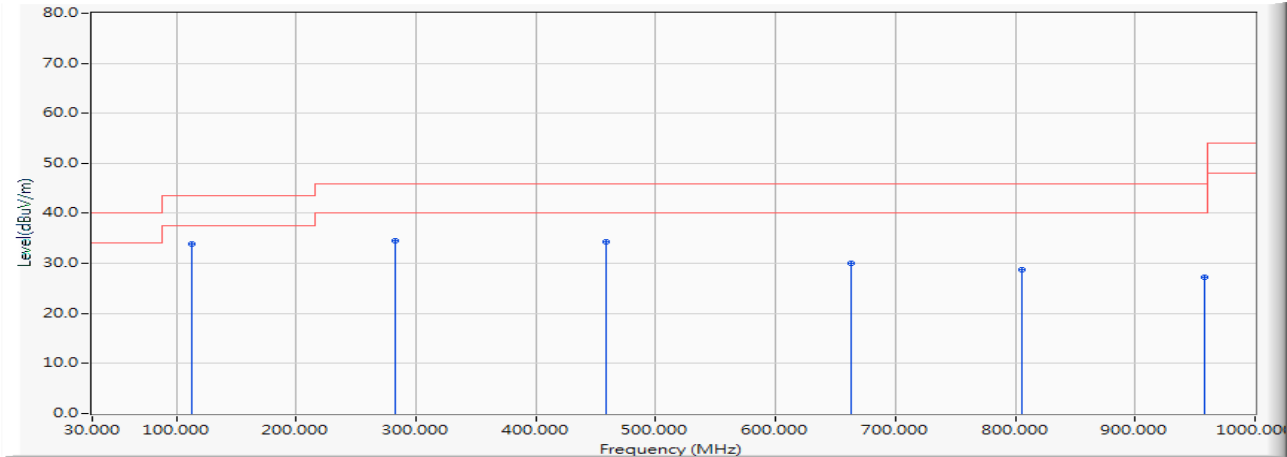
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5785MHz) (DYS602-240250-15714A)

Horizontal:



Vertical:



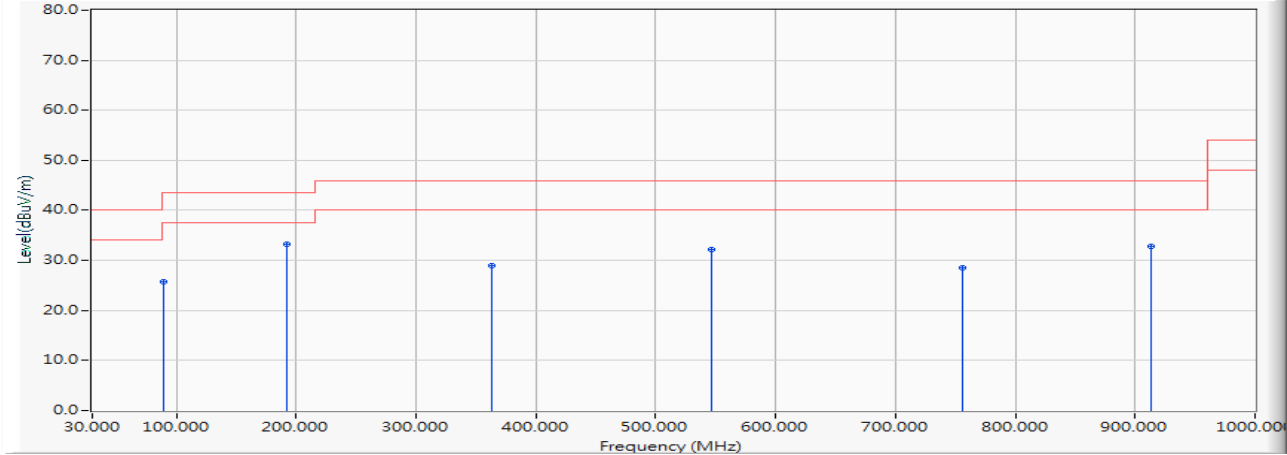
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
97.900	-13.912	42.663	28.751	-14.749	43.500
264.740	-5.216	37.821	32.605	-13.395	46.000
450.980	-4.199	35.685	31.486	-14.514	46.000
639.160	2.926	26.754	29.680	-16.320	46.000
834.130	3.430	29.240	32.670	-13.330	46.000
964.110	7.509	24.702	32.211	-21.789	54.000
Vertical					
Peak Detector					
113.420	-13.079	46.909	33.830	-9.670	43.500
282.200	-6.288	40.924	34.636	-11.364	46.000
458.740	-3.797	38.133	34.336	-11.664	46.000
662.440	-0.530	30.479	29.949	-16.051	46.000
805.030	3.465	25.317	28.782	-17.218	46.000
957.320	6.888	20.340	27.228	-18.772	46.000

Note:

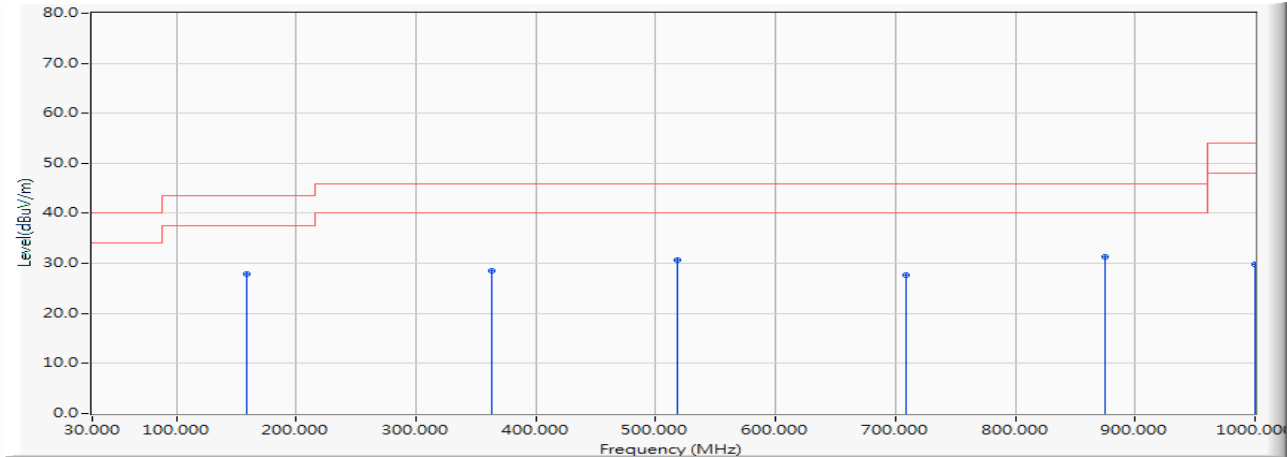
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5220MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



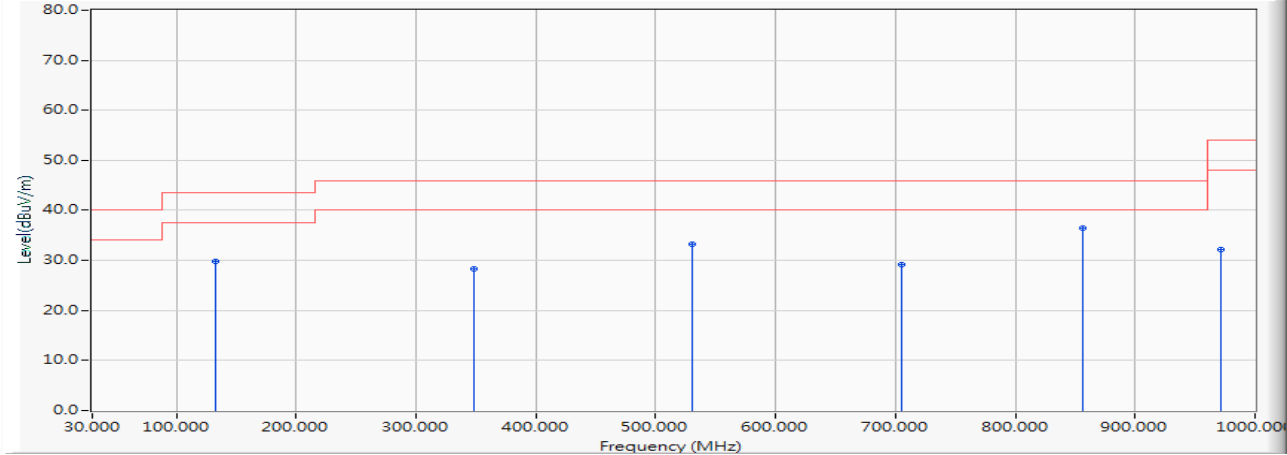
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
89.170	-16.681	42.407	25.726	-17.774	43.500
191.990	-5.759	38.925	33.166	-10.334	43.500
362.710	-6.504	35.460	28.956	-17.044	46.000
546.040	-0.126	32.339	32.213	-13.787	46.000
755.560	2.809	25.619	28.428	-17.572	46.000
912.700	6.402	26.440	32.842	-13.158	46.000
Vertical					
Peak Detector					
159.010	-2.692	30.664	27.972	-15.528	43.500
362.710	-6.504	35.090	28.586	-17.414	46.000
517.910	-0.509	31.256	30.747	-15.253	46.000
709.000	-1.146	28.856	27.710	-18.290	46.000
874.870	4.821	26.511	31.332	-14.668	46.000
1000.000	9.639	20.170	29.809	-24.191	54.000

Note:

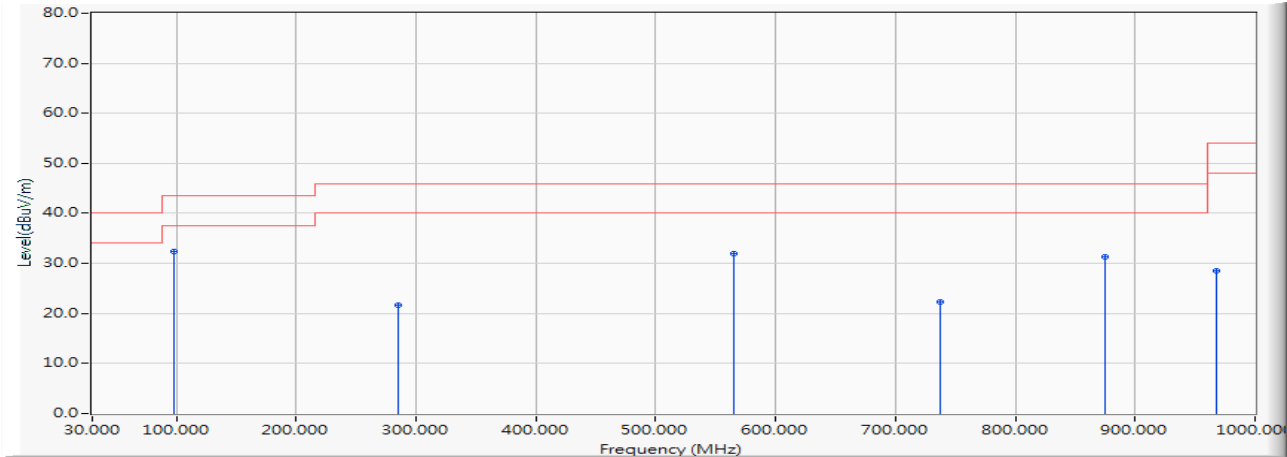
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5300MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



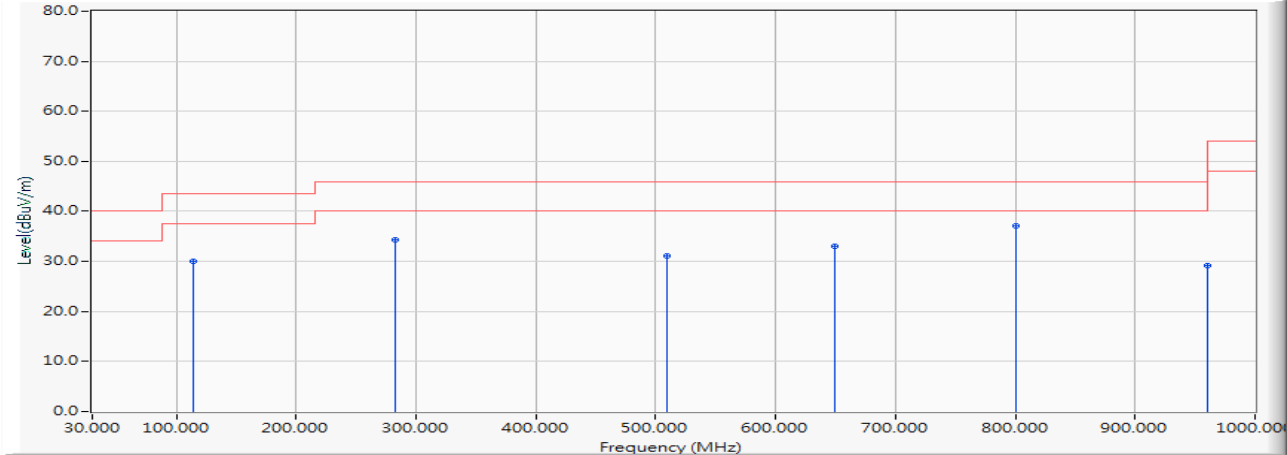
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
132.820	-6.448	36.213	29.765	-13.735	43.500
348.160	-7.115	35.380	28.265	-17.735	46.000
530.520	-0.540	33.773	33.233	-12.767	46.000
705.120	-1.943	31.056	29.113	-16.887	46.000
856.440	3.470	32.955	36.425	-9.575	46.000
970.900	8.671	23.432	32.103	-21.897	54.000
Vertical					
Peak Detector					
97.900	-13.912	46.323	32.411	-11.089	43.500
285.110	-6.846	28.407	21.561	-24.439	46.000
565.440	1.606	30.294	31.900	-14.100	46.000
737.130	2.131	20.081	22.212	-23.788	46.000
874.870	4.821	26.511	31.332	-14.668	46.000
967.990	8.166	20.466	28.632	-25.368	54.000

Note:

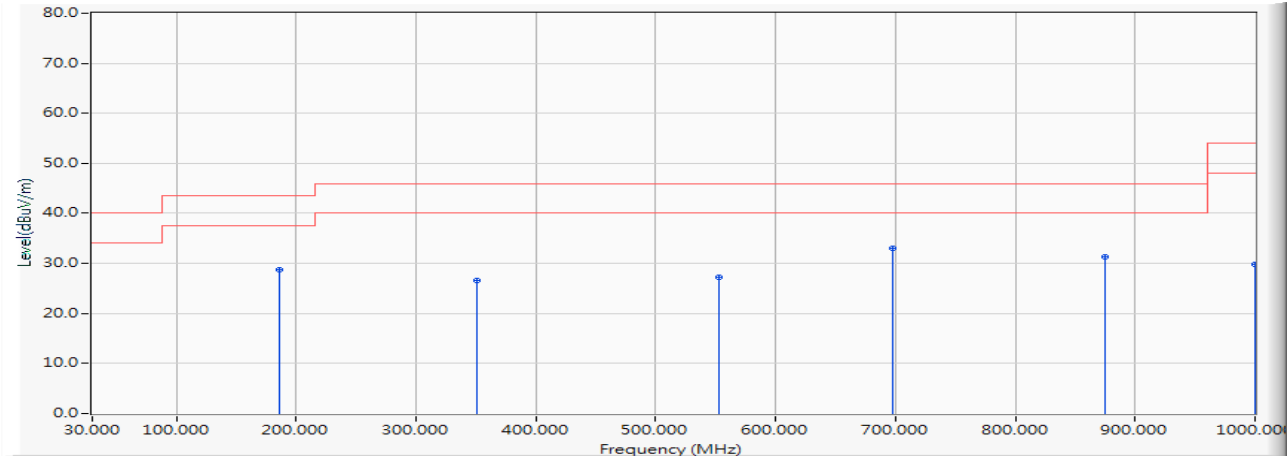
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5580MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



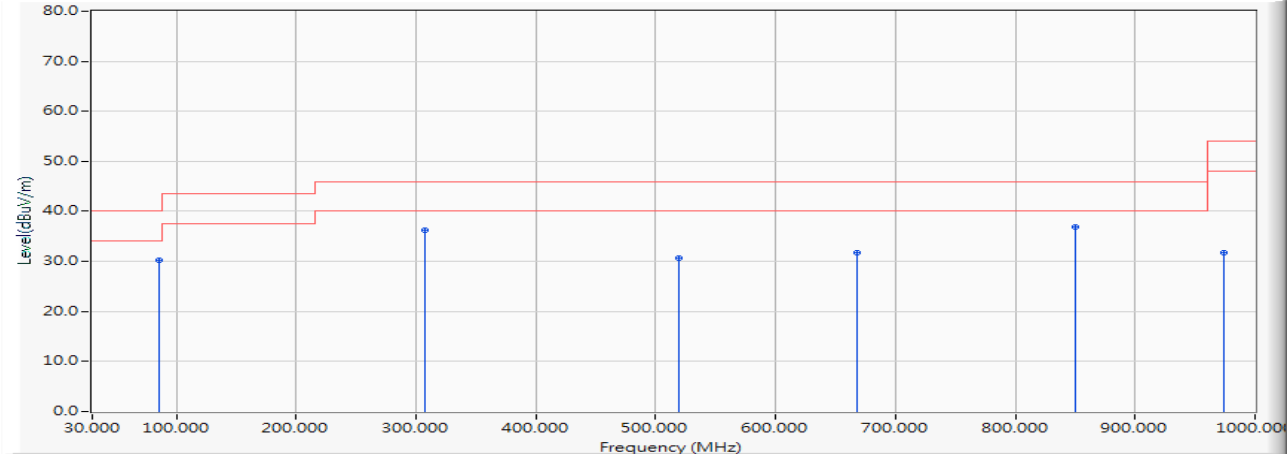
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
114.390	-12.803	42.904	30.101	-13.399	43.500
282.200	-6.288	40.644	34.356	-11.644	46.000
509.180	-1.567	32.756	31.189	-14.811	46.000
649.830	1.310	31.743	33.053	-12.947	46.000
800.180	3.354	33.738	37.092	-8.908	46.000
960.230	6.853	22.219	29.072	-24.928	54.000
Vertical					
Peak Detector					
186.170	-5.161	33.825	28.664	-14.836	43.500
351.070	-7.047	33.544	26.497	-19.503	46.000
552.830	0.577	26.765	27.342	-18.658	46.000
698.330	-3.024	36.083	33.059	-12.941	46.000
874.870	4.821	26.511	31.332	-14.668	46.000
1000.000	9.639	20.170	29.809	-24.191	54.000

Note:

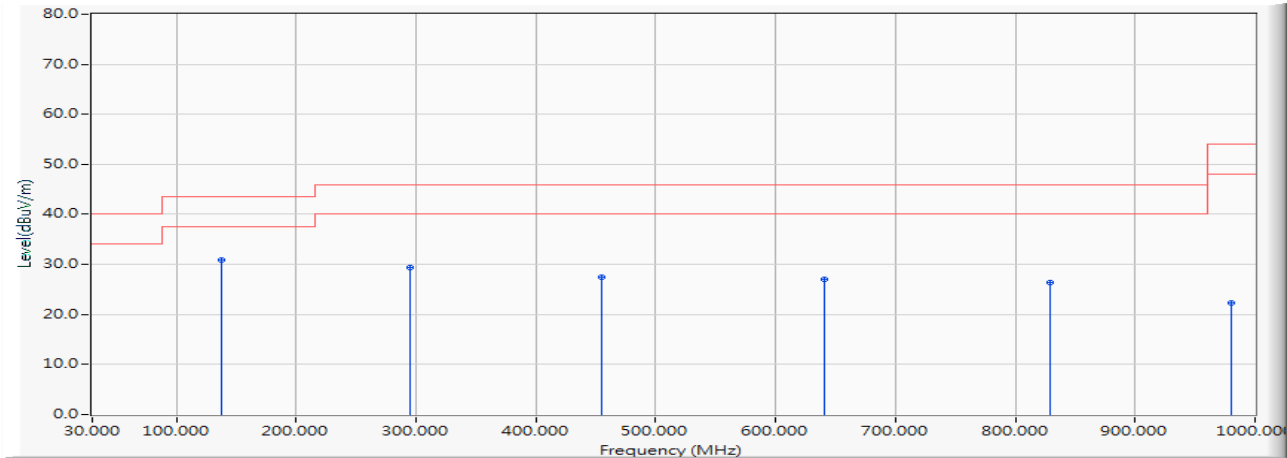
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5785MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



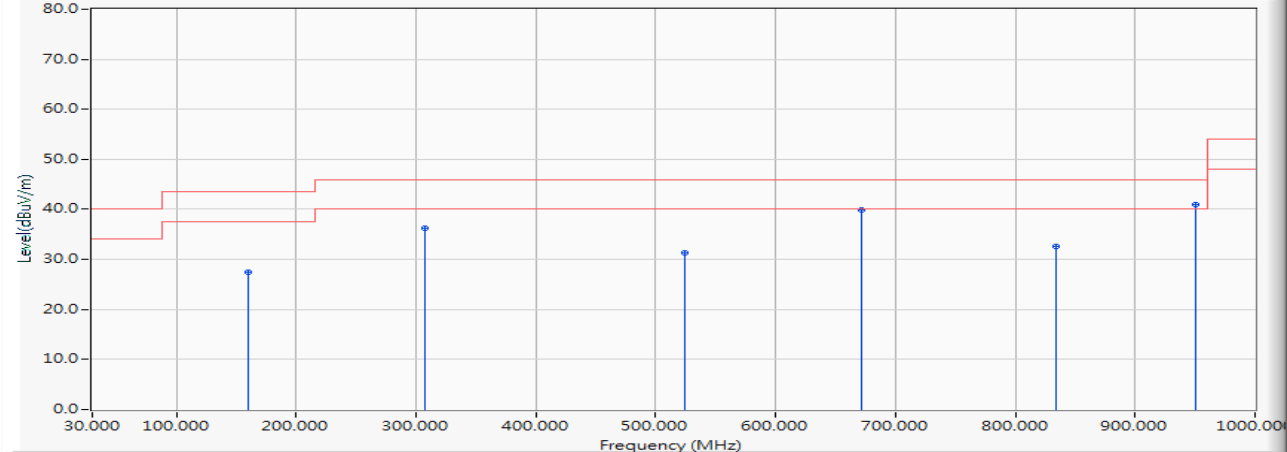
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
86.260	-16.647	46.912	30.265	-9.735	40.000
307.420	-7.444	43.775	36.331	-9.669	46.000
519.850	-0.272	30.852	30.580	-15.420	46.000
668.260	-1.384	33.046	31.662	-14.338	46.000
849.650	3.494	33.416	36.910	-9.090	46.000
973.810	9.166	22.610	31.776	-22.224	54.000
Vertical					
Peak Detector					
137.670	-4.451	35.314	30.863	-12.637	43.500
294.810	-7.658	37.063	29.405	-16.595	46.000
454.860	-3.998	31.481	27.483	-18.517	46.000
641.100	2.720	24.310	27.030	-18.970	46.000
829.280	3.559	22.818	26.377	-19.623	46.000
979.630	10.155	12.145	22.300	-31.700	54.000

Note:

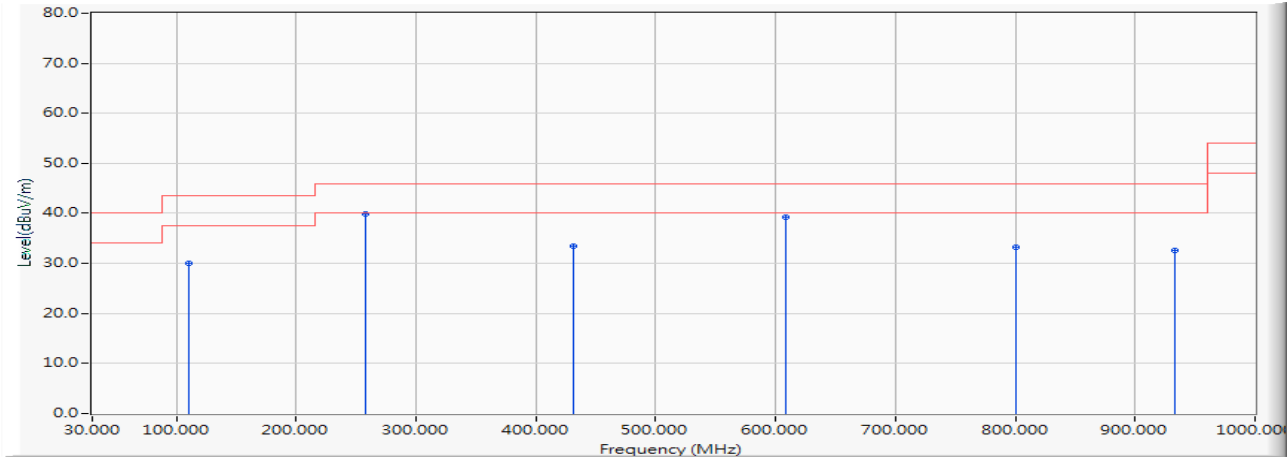
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5230MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



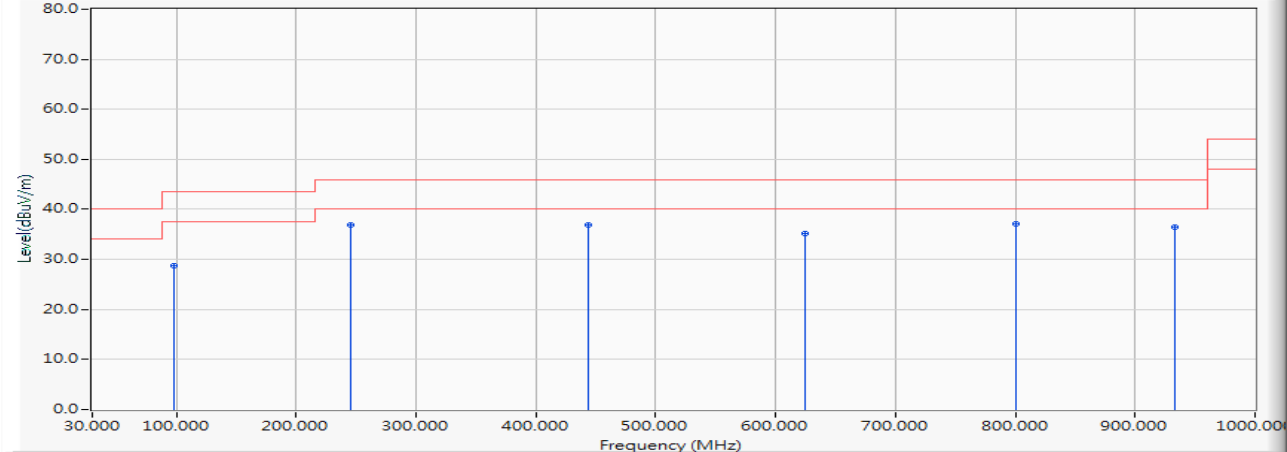
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
159.980	-2.647	30.163	27.516	-15.984	43.500
307.420	-7.444	43.775	36.331	-9.669	46.000
523.730	-0.357	31.702	31.345	-14.655	46.000
672.140	-1.943	41.853	39.910	-6.090	46.000
834.130	3.430	29.240	32.670	-13.330	46.000
950.530	7.077	33.916	40.993	-5.007	46.000
Vertical					
Peak Detector					
110.510	-13.887	44.020	30.133	-13.367	43.500
257.950	-5.755	45.751	39.996	-6.004	46.000
431.580	-5.886	39.384	33.498	-12.502	46.000
608.120	3.297	35.949	39.246	-6.754	46.000
800.180	3.354	29.958	33.312	-12.688	46.000
933.070	6.773	25.801	32.574	-13.426	46.000

Note:

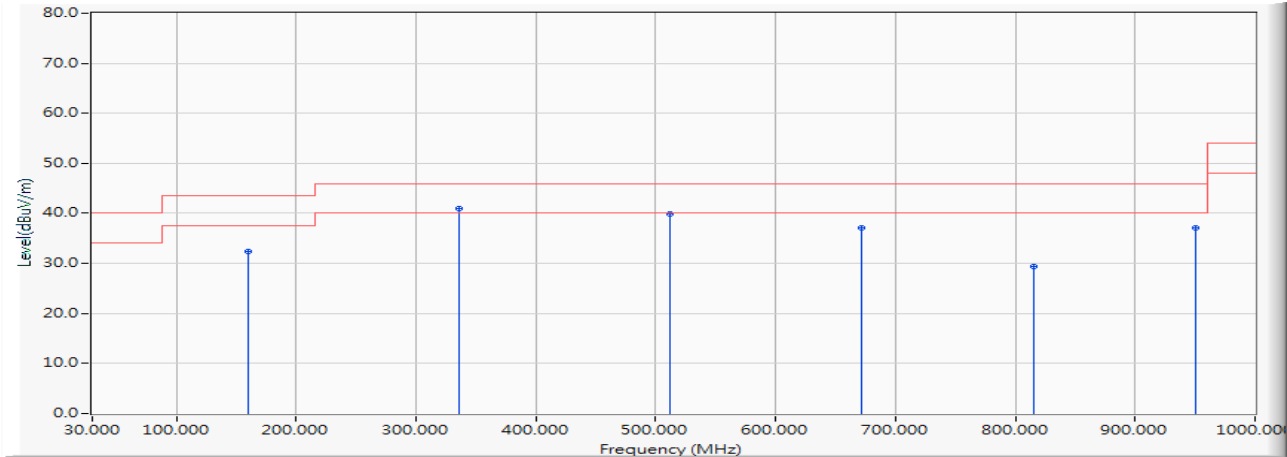
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



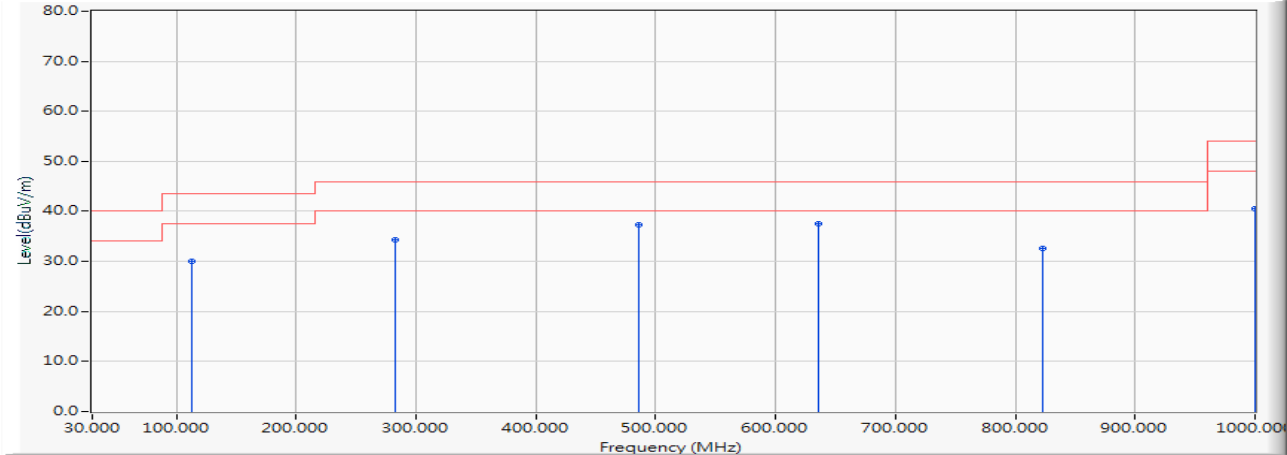
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
97.900	-13.912	42.663	28.751	-14.749	43.500
245.340	-6.291	43.224	36.933	-9.067	46.000
444.190	-4.778	41.596	36.818	-9.182	46.000
624.610	3.104	32.098	35.202	-10.798	46.000
800.180	3.354	33.738	37.092	-8.908	46.000
933.070	6.773	29.701	36.474	-9.526	46.000
Vertical					
Peak Detector					
159.980	-2.647	35.073	32.426	-11.074	43.500
336.520	-7.207	48.068	40.861	-5.139	46.000
512.090	-1.219	41.102	39.883	-6.117	46.000
672.140	-1.943	39.113	37.170	-8.830	46.000
815.700	3.709	25.581	29.290	-16.710	46.000
950.530	7.077	29.996	37.073	-8.927	46.000

Note:

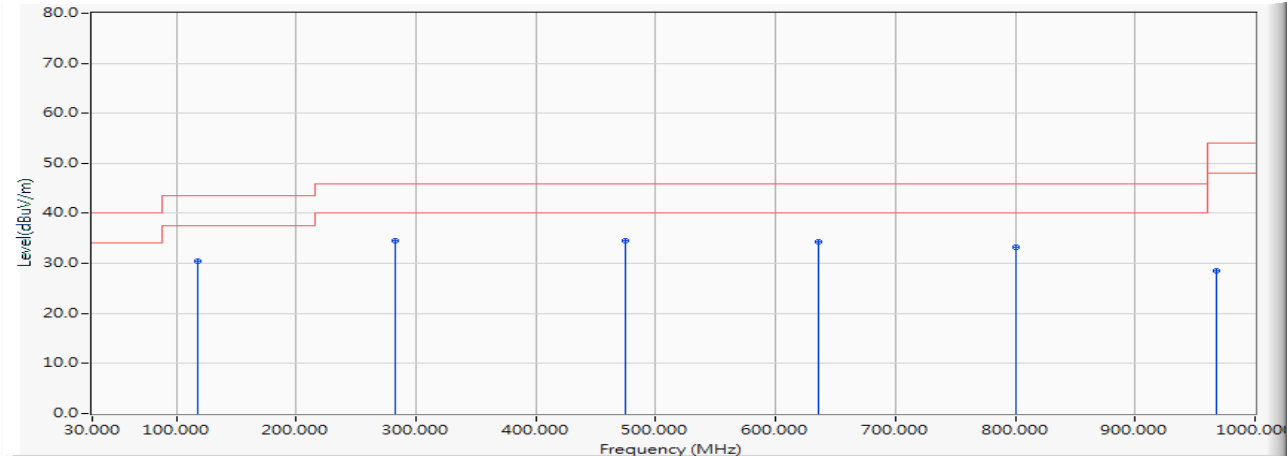
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5550MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



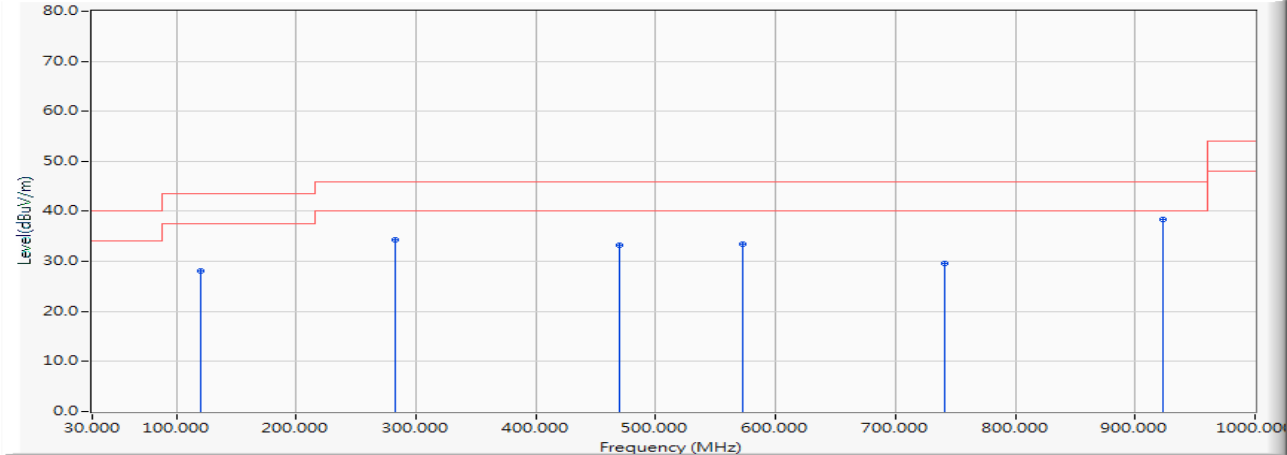
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
113.420	-13.079	43.169	30.090	-13.410	43.500
282.200	-6.288	40.644	34.356	-11.644	46.000
485.900	-3.048	40.428	37.380	-8.620	46.000
635.280	2.957	34.470	37.427	-8.573	46.000
822.490	3.754	28.812	32.566	-13.434	46.000
1000.000	9.639	30.900	40.539	-13.461	54.000
Vertical					
Peak Detector					
118.270	-11.730	42.196	30.466	-13.034	43.500
282.200	-6.288	40.924	34.636	-11.364	46.000
475.230	-3.331	37.878	34.547	-11.453	46.000
635.280	2.957	31.260	34.217	-11.783	46.000
800.180	3.354	29.958	33.312	-12.688	46.000
967.990	8.166	20.466	28.632	-25.368	54.000

Note:

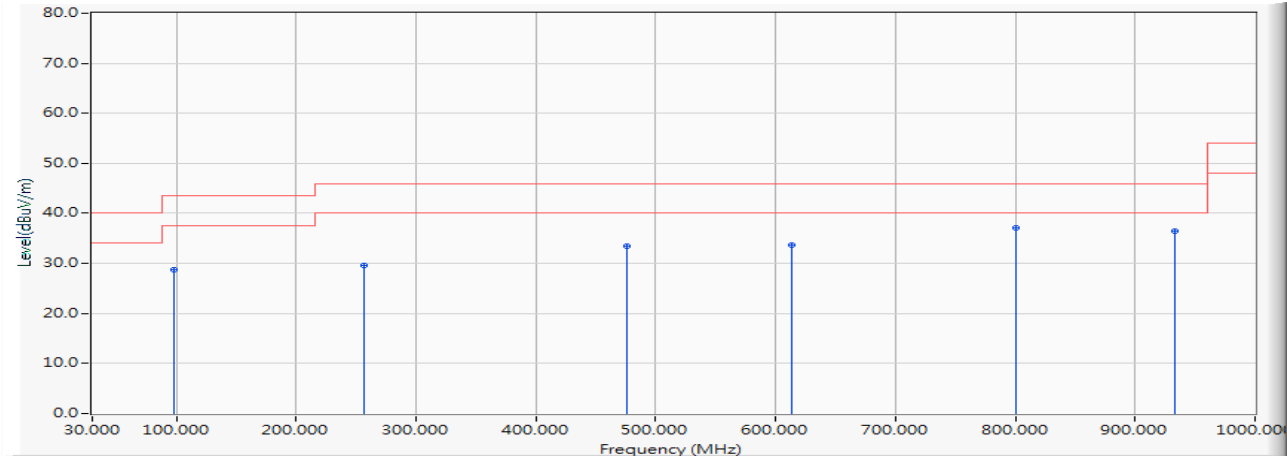
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5755MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



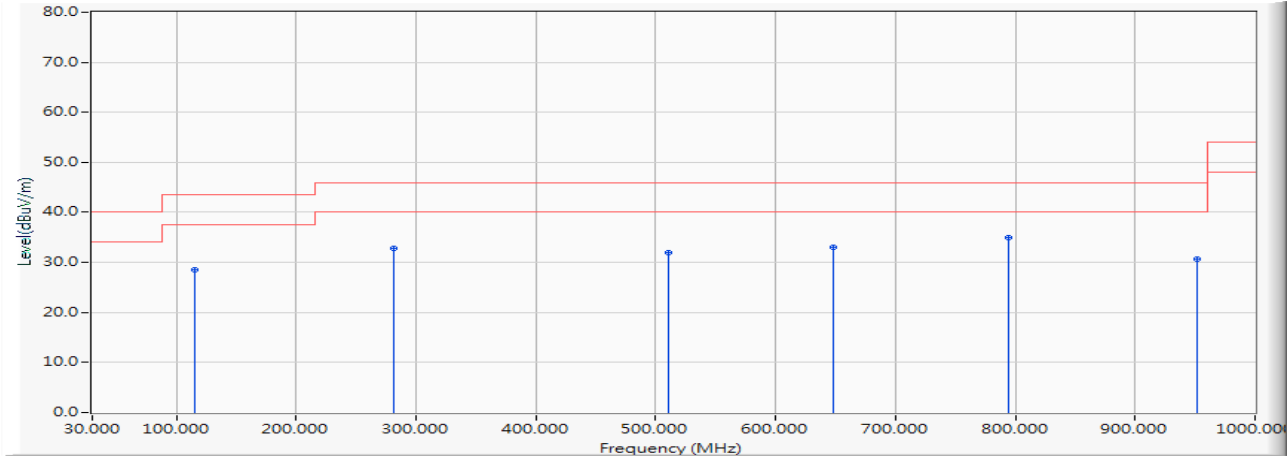
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
120.210	-11.138	39.247	28.109	-15.391	43.500
282.200	-6.288	40.644	34.356	-11.644	46.000
470.380	-3.465	36.811	33.346	-12.654	46.000
572.230	2.165	31.205	33.370	-12.630	46.000
741.010	2.347	27.191	29.538	-16.462	46.000
923.410	6.585	31.824	38.410	-7.590	46.000
Vertical					
Peak Detector					
97.900	-13.912	42.721	28.809	-14.691	43.500
256.980	-5.830	35.443	29.613	-16.387	46.000
476.200	-3.308	36.862	33.554	-12.446	46.000
612.970	3.248	30.363	33.611	-12.389	46.000
800.180	3.354	33.738	37.092	-8.908	46.000
933.070	6.773	29.701	36.474	-9.526	46.000

Note:

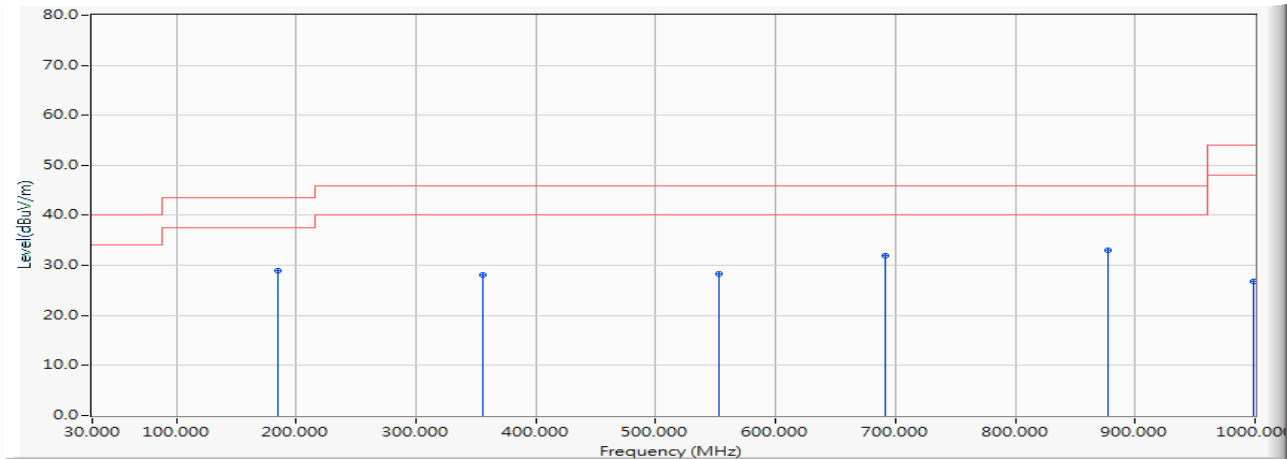
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/18
Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps) (5720MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



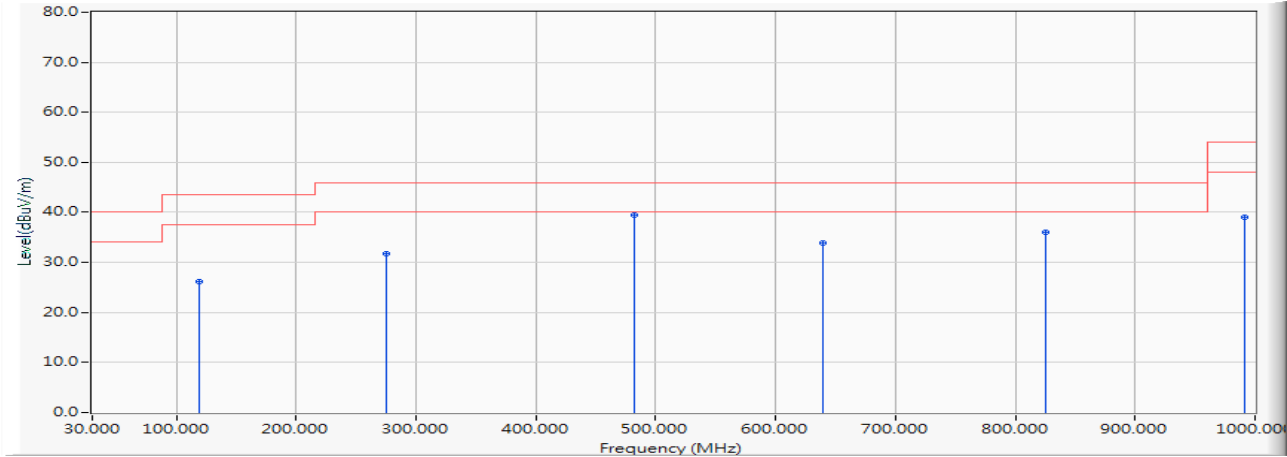
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
115.610	-12.466	41.037	28.571	-14.929	43.500
281.050	-6.060	38.772	32.712	-13.288	46.000
511.090	-1.325	33.273	31.948	-14.052	46.000
648.130	1.594	31.415	33.009	-12.991	46.000
794.630	3.140	31.888	35.028	-10.972	46.000
951.170	7.065	23.661	30.726	-15.274	46.000
Vertical					
Peak Detector					
184.370	-4.958	33.864	28.906	-14.594	43.500
356.120	-6.812	34.892	28.081	-17.919	46.000
553.340	0.621	27.640	28.261	-17.739	46.000
691.550	-3.039	34.962	31.923	-14.077	46.000
877.457	5.068	27.934	33.002	-12.998	46.000
998.470	9.683	17.088	26.771	-27.229	54.000

Note:

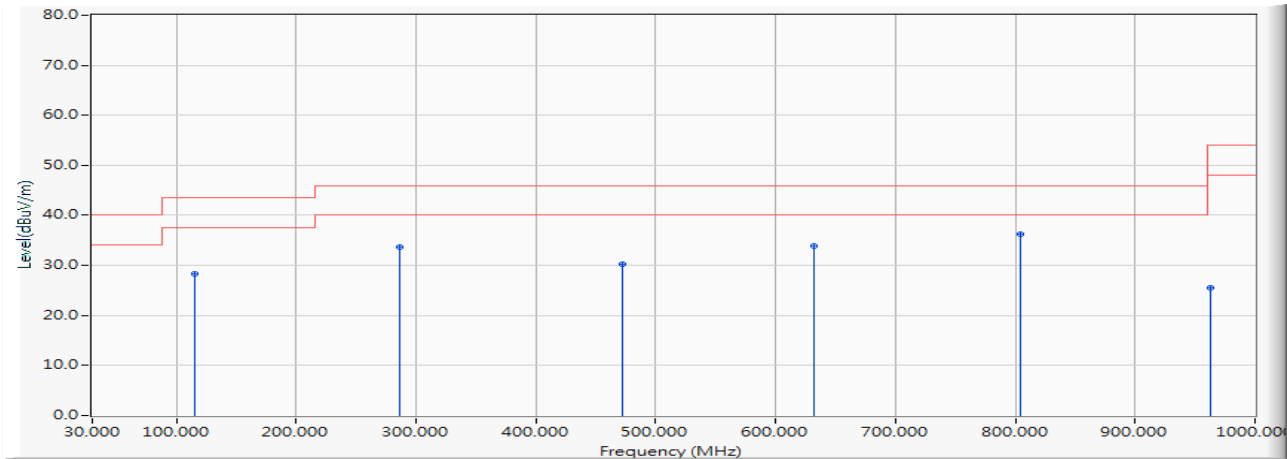
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/18
Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps) (5710MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



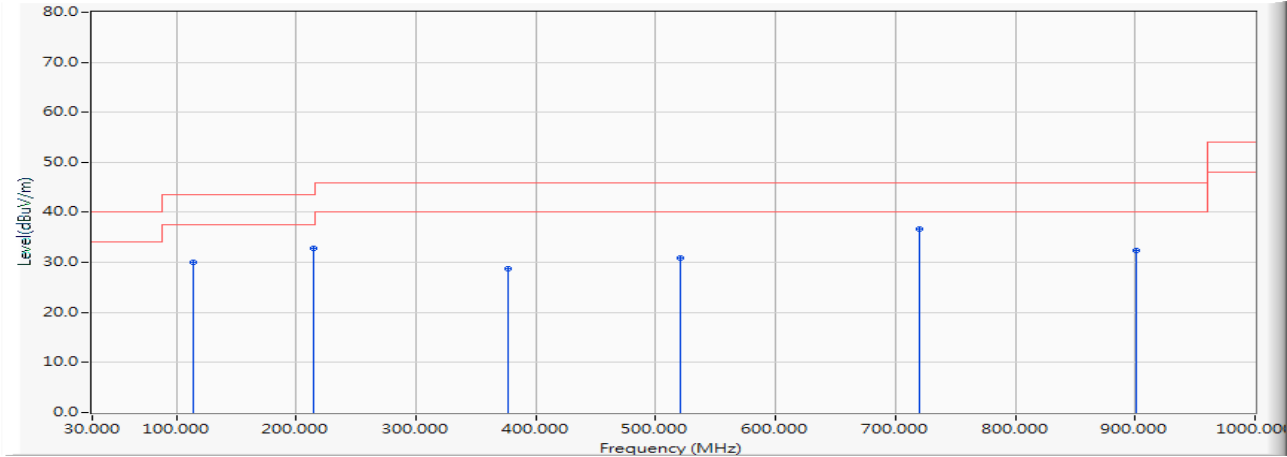
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
119.590	-11.340	37.491	26.151	-17.349	43.500
275.140	-5.344	37.113	31.769	-14.231	46.000
481.650	-3.169	42.588	39.418	-6.582	46.000
639.110	2.926	30.952	33.878	-12.122	46.000
825.350	3.672	32.287	35.959	-10.041	46.000
991.250	9.891	29.152	39.042	-14.958	54.000
Vertical					
Peak Detector					
115.170	-12.590	40.847	28.257	-15.243	43.500
286.370	-7.098	40.718	33.620	-12.380	46.000
472.330	-3.399	33.718	30.319	-15.681	46.000
631.960	3.004	30.816	33.820	-12.180	46.000
803.910	3.440	32.817	36.257	-9.743	46.000
963.270	7.369	18.062	25.431	-28.569	54.000

Note:

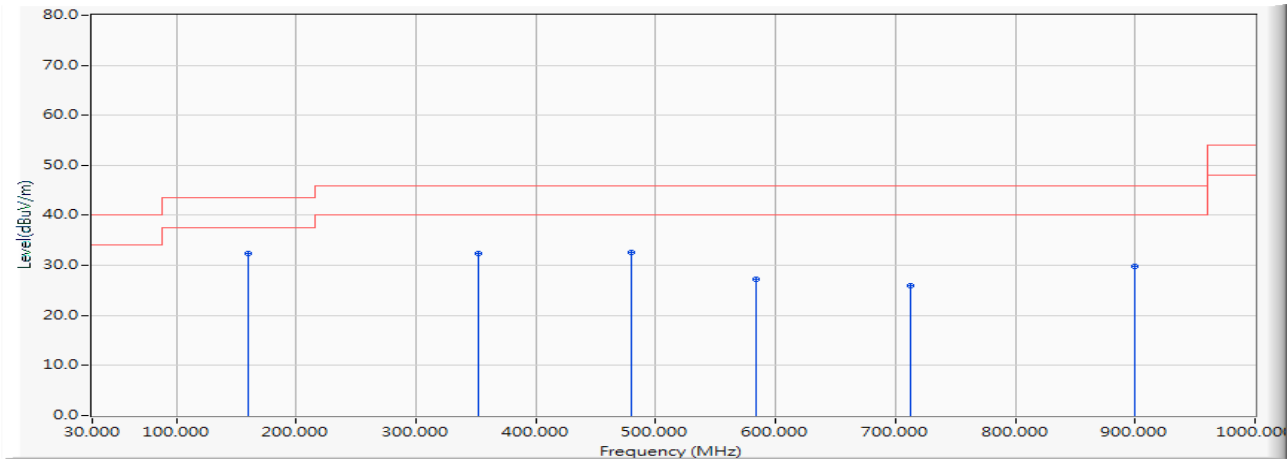
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



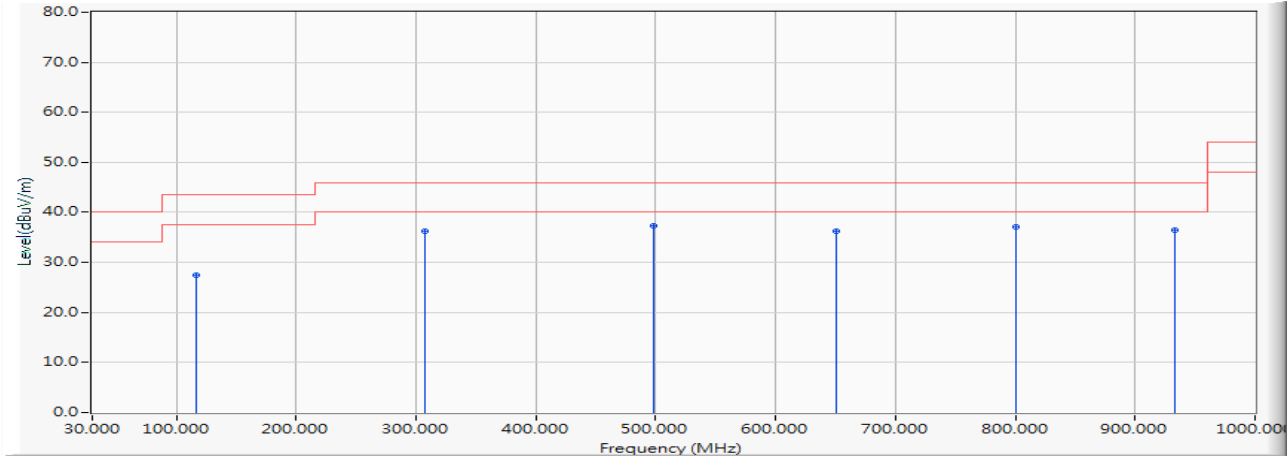
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
114.390	-12.803	42.904	30.101	-13.399	43.500
214.300	-6.892	39.791	32.899	-10.601	43.500
377.260	-5.824	34.624	28.800	-17.200	46.000
520.820	-0.268	31.223	30.955	-15.045	46.000
720.640	1.172	35.445	36.617	-9.383	46.000
901.060	6.194	26.201	32.395	-13.605	46.000
Vertical					
Peak Detector					
159.980	-2.647	35.073	32.426	-11.074	43.500
352.040	-6.994	39.455	32.461	-13.539	46.000
479.260	-3.227	35.747	32.520	-13.480	46.000
583.870	2.895	24.422	27.317	-18.683	46.000
712.880	-0.340	26.272	25.932	-20.068	46.000
900.090	6.173	23.679	29.852	-16.148	46.000

Note:

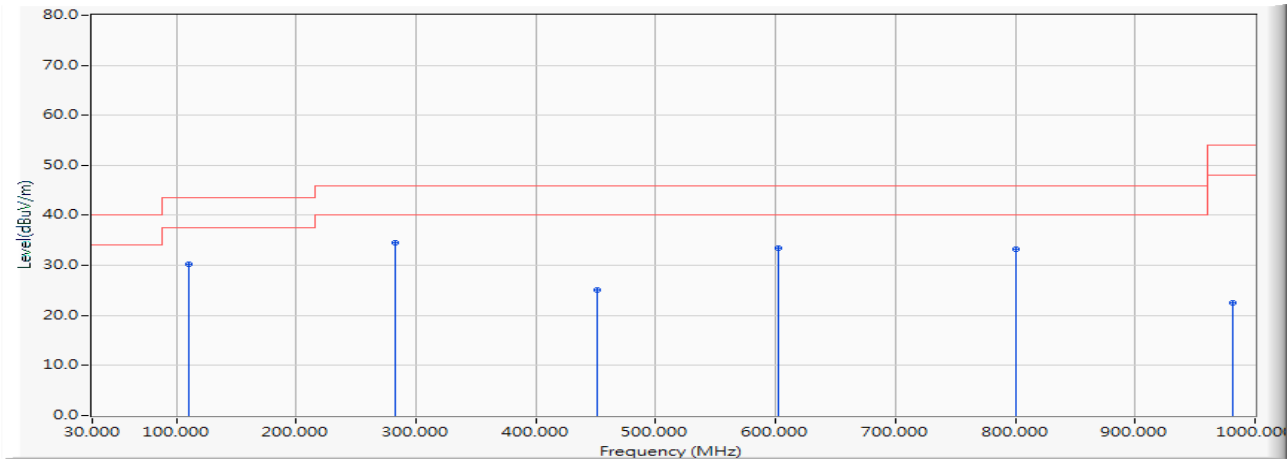
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5290MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



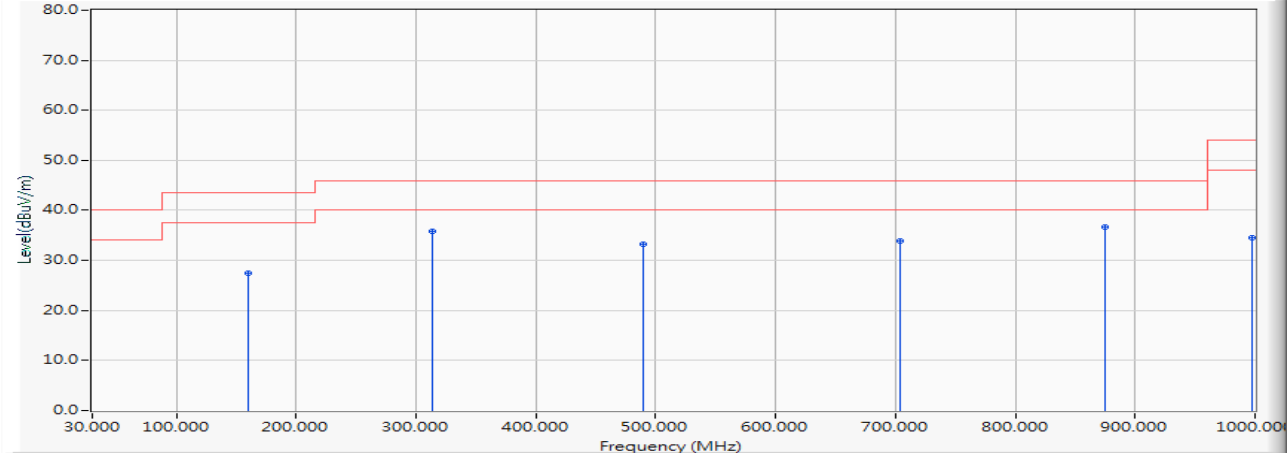
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
117.300	-11.996	39.466	27.470	-16.030	43.500
307.420	-7.444	43.775	36.331	-9.669	46.000
498.510	-2.716	40.034	37.318	-8.682	46.000
650.800	1.172	34.973	36.145	-9.855	46.000
800.180	3.354	33.738	37.092	-8.908	46.000
933.070	6.773	29.701	36.474	-9.526	46.000
Vertical					
Peak Detector					
110.510	-13.887	44.211	30.324	-13.176	43.500
282.200	-6.288	40.924	34.636	-11.364	46.000
450.980	-4.199	29.225	25.026	-20.974	46.000
602.300	3.371	30.009	33.380	-12.620	46.000
800.180	3.354	29.958	33.312	-12.688	46.000
981.570	10.169	12.423	22.592	-31.408	54.000

Note:

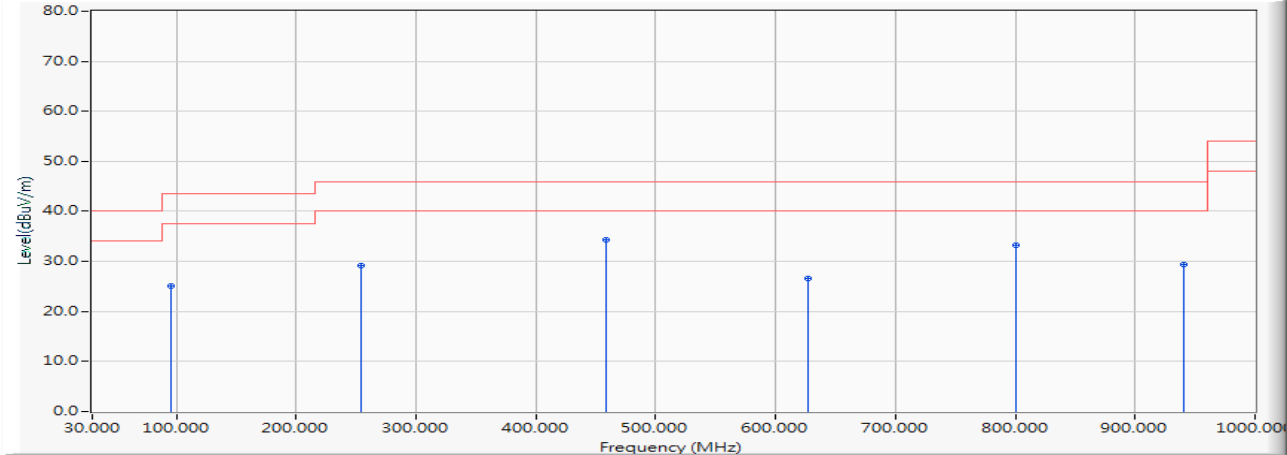
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



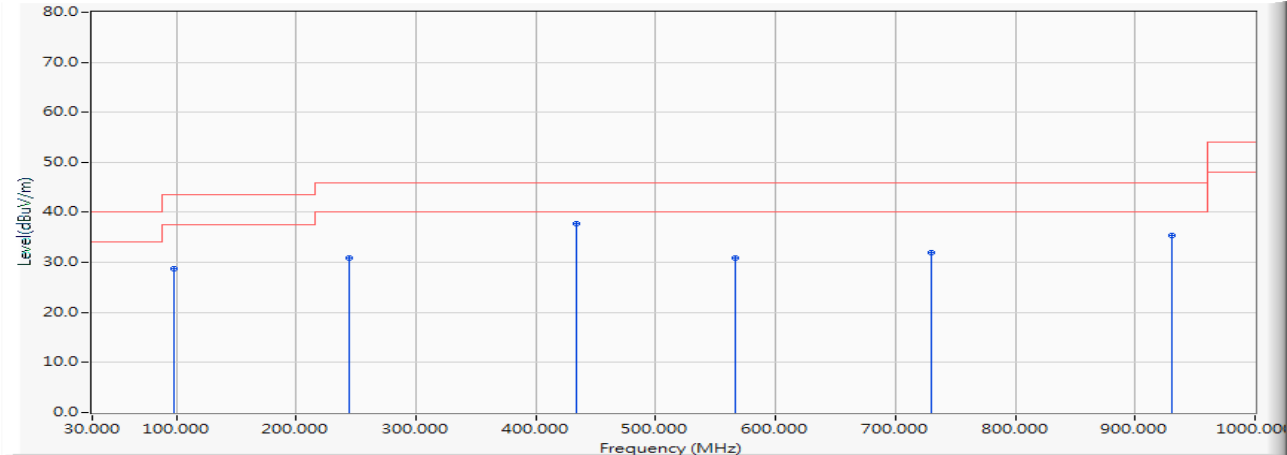
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
159.980	-2.647	30.163	27.516	-15.984	43.500
314.210	-7.391	43.111	35.720	-10.280	46.000
489.780	-2.945	36.155	33.210	-12.790	46.000
704.150	-2.155	36.017	33.862	-12.138	46.000
874.870	4.821	31.931	36.752	-9.248	46.000
998.060	9.695	24.875	34.570	-19.430	54.000
Vertical					
Peak Detector					
95.960	-14.343	39.392	25.049	-18.451	43.500
254.070	-6.082	35.150	29.068	-16.932	46.000
458.740	-3.797	38.133	34.336	-11.664	46.000
627.520	3.060	23.447	26.507	-19.493	46.000
800.180	3.354	29.958	33.312	-12.688	46.000
940.830	6.924	22.402	29.326	-16.674	46.000

Note:

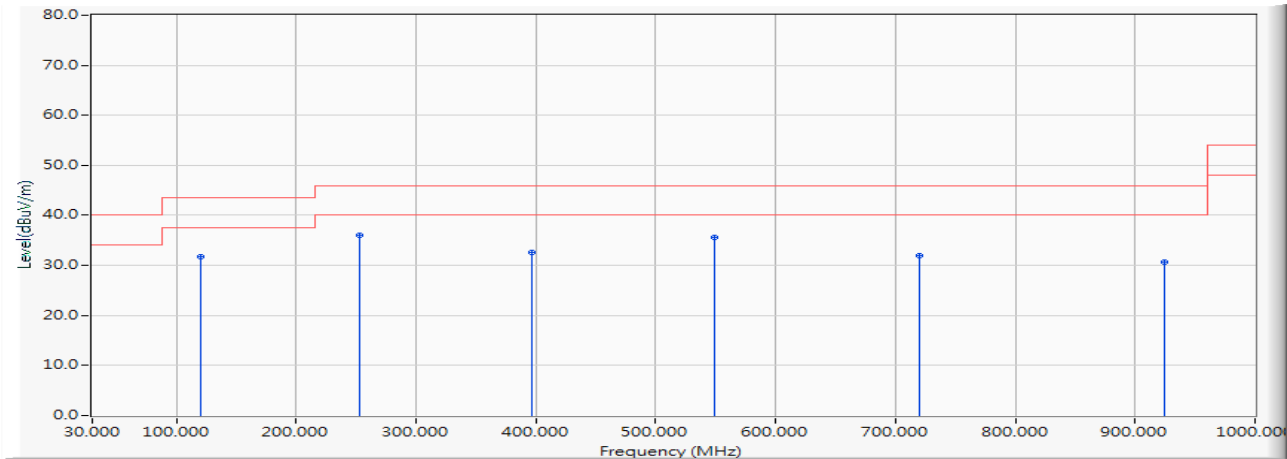
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/07
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5775MHz)
(DYS602-240250-15714A)

Horizontal:



Vertical:



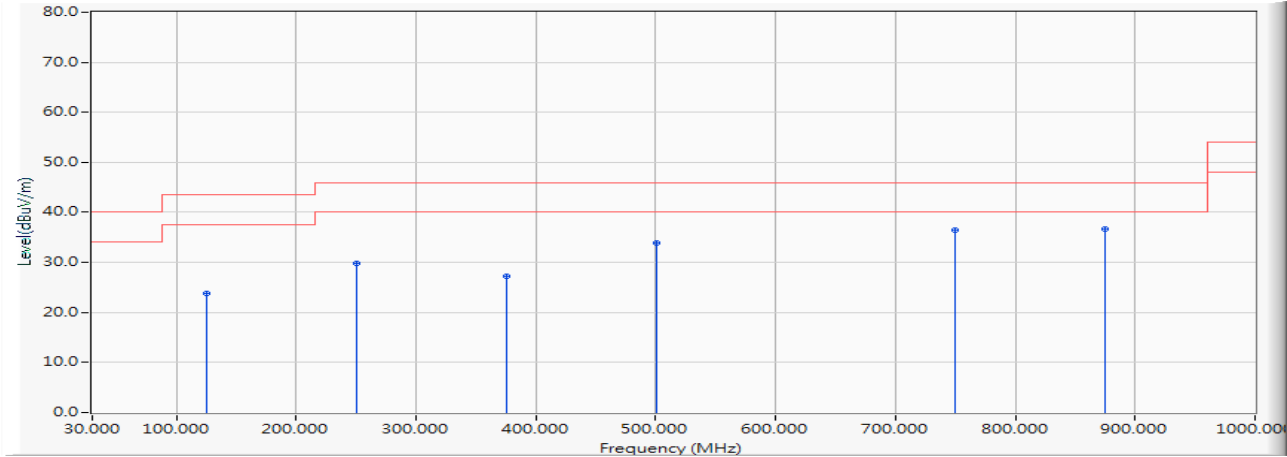
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
97.900	-13.912	42.721	28.809	-14.691	43.500
244.370	-6.274	37.153	30.879	-15.121	46.000
433.520	-5.712	43.419	37.707	-8.293	46.000
566.410	1.690	29.266	30.956	-15.044	46.000
729.370	1.686	30.305	31.991	-14.009	46.000
930.160	6.715	28.697	35.412	-10.588	46.000
Vertical					
Peak Detector					
120.210	-11.138	42.987	31.849	-11.651	43.500
253.100	-6.167	42.222	36.055	-9.945	46.000
396.660	-6.136	38.688	32.552	-13.448	46.000
548.950	0.238	35.370	35.608	-10.392	46.000
720.640	1.172	30.865	32.037	-13.963	46.000
924.340	6.615	23.961	30.576	-15.424	46.000

Note:

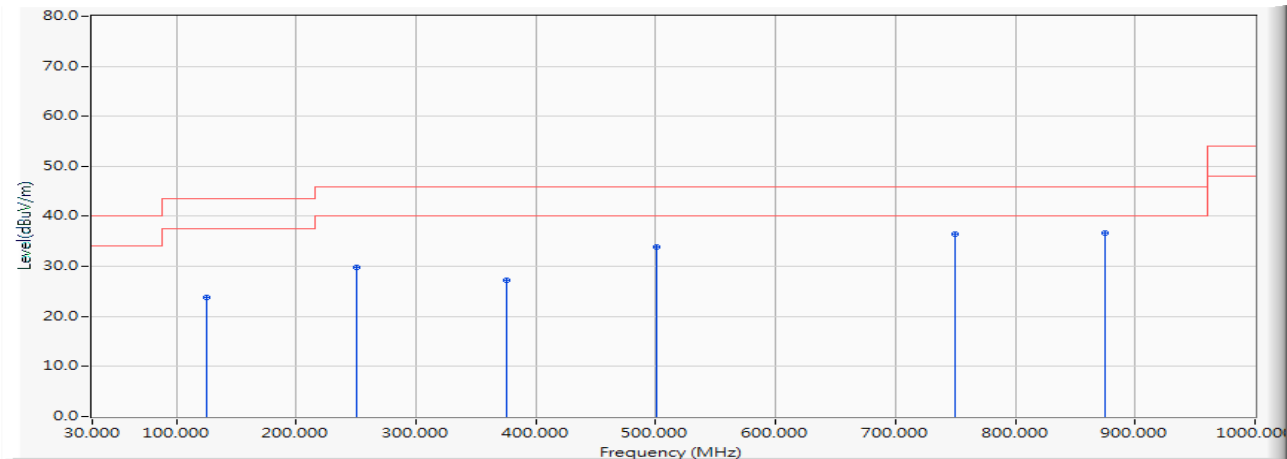
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (F150602-A)

Horizontal:



Vertical:



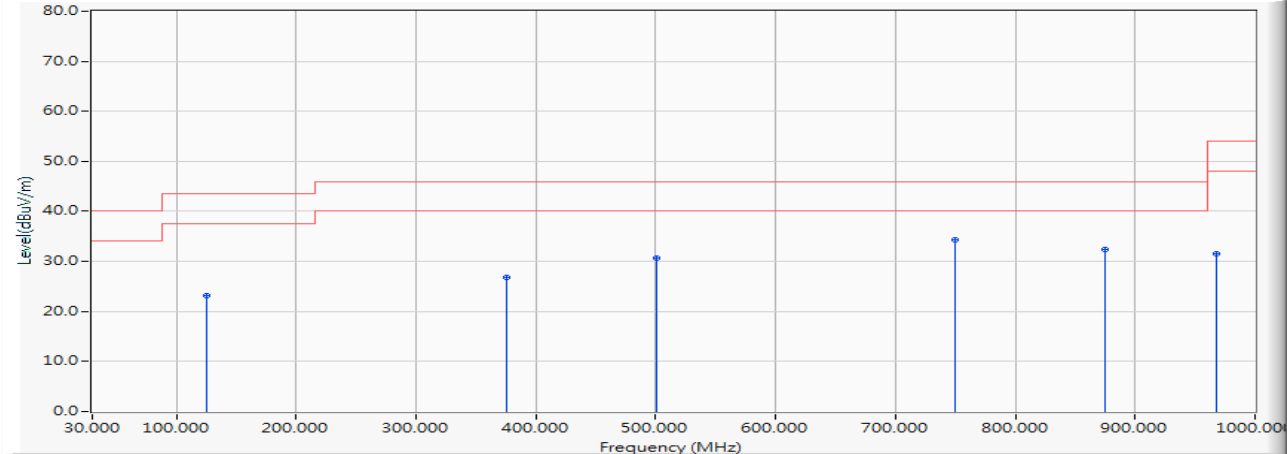
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
125.060	-8.411	32.317	23.906	-19.594	43.500
250.190	-6.410	36.307	29.897	-16.103	46.000
375.320	-5.909	33.129	27.220	-18.780	46.000
500.450	-2.601	36.542	33.941	-12.059	46.000
749.740	2.843	33.667	36.510	-9.490	46.000
874.870	4.821	31.845	36.666	-9.334	46.000
Vertical					
Peak Detector					
123.120	-9.492	34.346	24.854	-18.646	43.500
375.320	-5.909	28.083	22.174	-23.826	46.000
500.450	-2.601	29.346	26.745	-19.255	46.000
624.610	3.104	22.120	25.224	-20.776	46.000
749.740	2.843	26.995	29.838	-16.162	46.000
874.870	4.821	28.482	33.303	-12.697	46.000

Note:

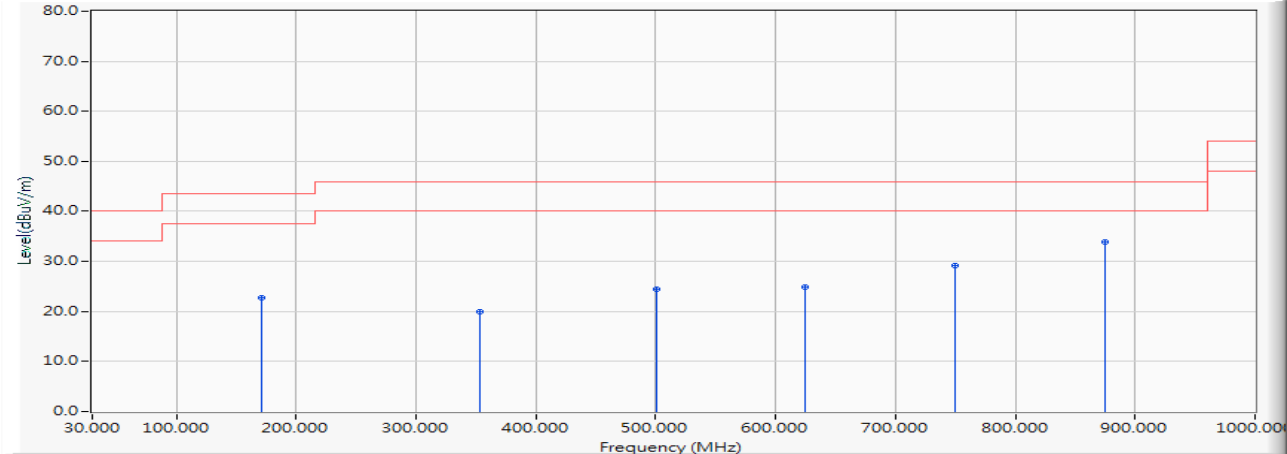
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (F150602-A)

Horizontal:



Vertical:



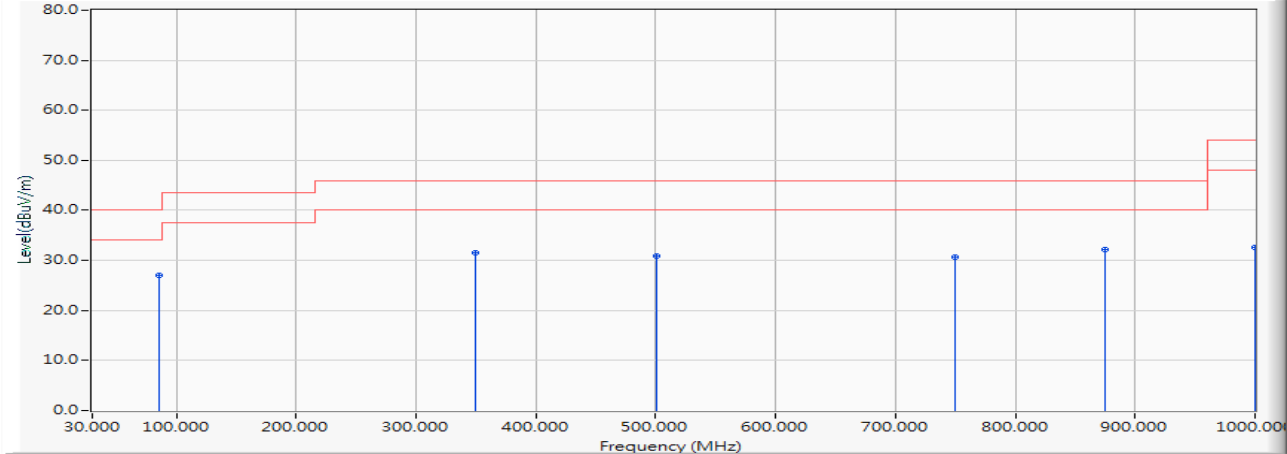
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
125.060	-8.411	31.554	23.143	-20.357	43.500
375.320	-5.909	32.760	26.851	-19.149	46.000
500.450	-2.601	33.344	30.743	-15.257	46.000
749.740	2.843	31.414	34.257	-11.743	46.000
874.870	4.821	27.460	32.281	-13.719	46.000
967.990	8.166	23.459	31.625	-22.375	54.000
Vertical					
Peak Detector					
171.620	-3.762	26.546	22.784	-20.716	43.500
353.010	-6.961	26.854	19.893	-26.107	46.000
500.450	-2.601	27.078	24.477	-21.523	46.000
624.610	3.104	21.752	24.856	-21.144	46.000
749.740	2.843	26.377	29.220	-16.780	46.000
874.870	4.821	29.011	33.832	-12.168	46.000

Note:

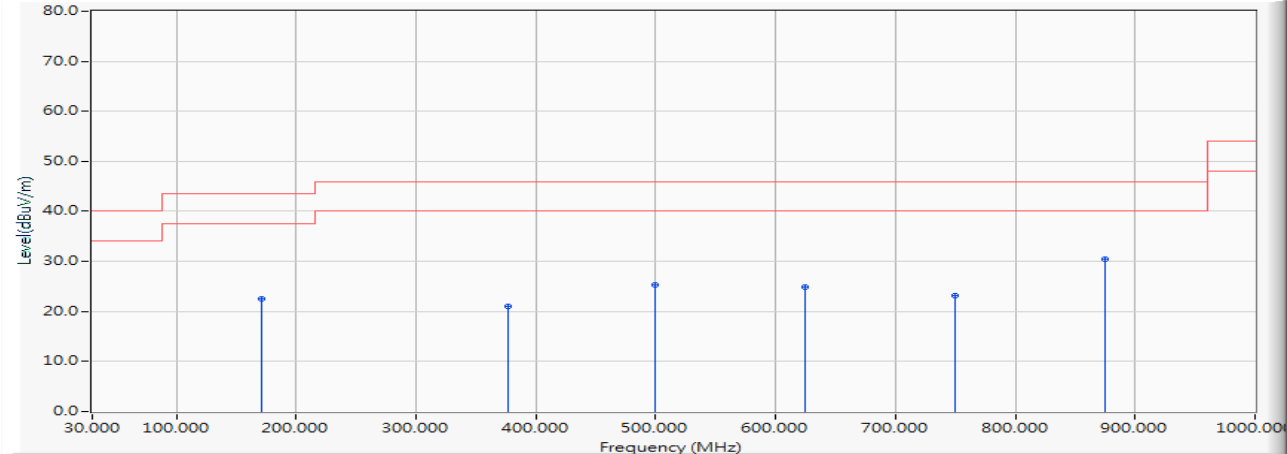
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (F150602-A)

Horizontal:



Vertical:



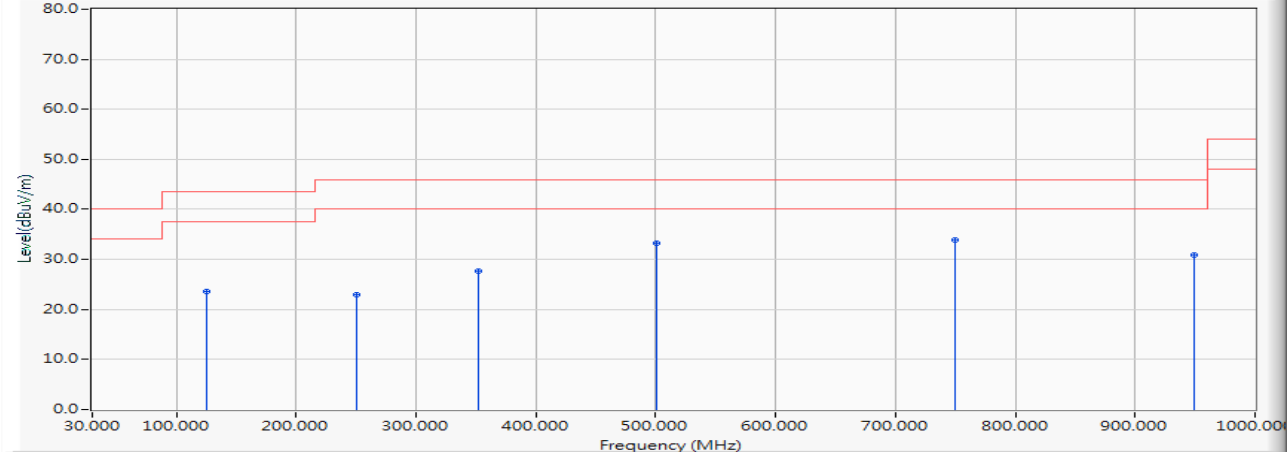
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
86.260	-16.647	43.652	27.005	-12.995	40.000
350.100	-7.089	38.712	31.623	-14.377	46.000
500.450	-2.601	33.550	30.949	-15.051	46.000
749.740	2.843	27.789	30.632	-15.368	46.000
874.870	4.821	27.307	32.128	-13.872	46.000
1000.000	9.639	22.999	32.638	-21.362	54.000
Vertical					
Peak Detector					
171.620	-3.762	26.296	22.534	-20.966	43.500
376.290	-5.856	26.928	21.072	-24.928	46.000
499.480	-2.684	28.008	25.324	-20.676	46.000
624.610	3.104	21.768	24.872	-21.128	46.000
749.740	2.843	20.377	23.220	-22.780	46.000
874.870	4.821	25.644	30.465	-15.535	46.000

Note:

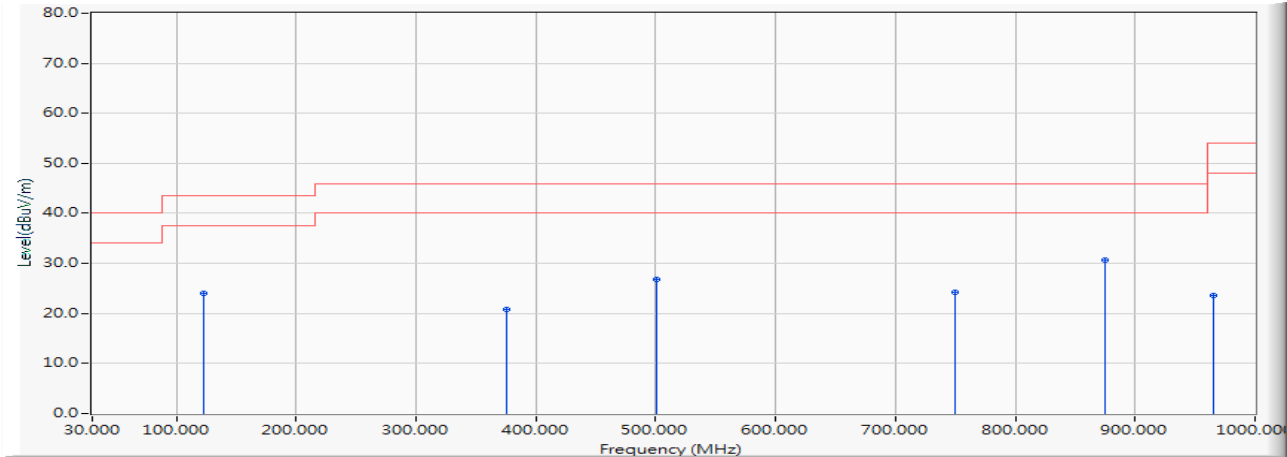
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5785MHz) (F150602-A)

Horizontal:



Vertical:



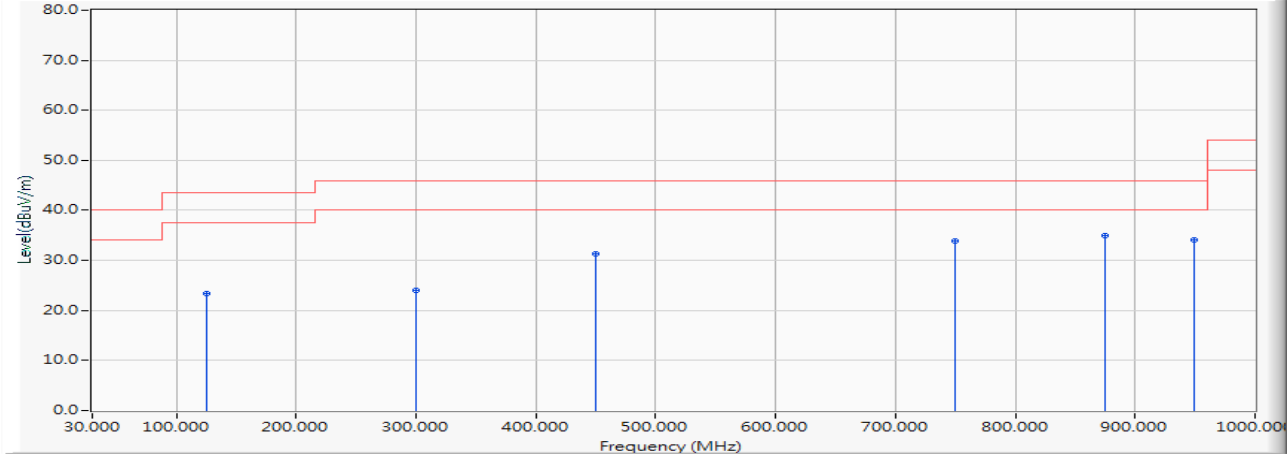
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
125.060	-8.411	31.942	23.531	-19.969	43.500
250.190	-6.410	29.443	23.033	-22.967	46.000
352.040	-6.994	34.615	27.621	-18.379	46.000
500.450	-2.601	35.856	33.255	-12.745	46.000
749.740	2.843	30.979	33.822	-12.178	46.000
948.590	7.084	23.811	30.895	-15.105	46.000
Vertical					
Peak Detector					
123.120	-9.492	33.496	24.004	-19.496	43.500
375.320	-5.909	26.761	20.852	-25.148	46.000
500.450	-2.601	29.390	26.789	-19.211	46.000
749.740	2.843	21.326	24.169	-21.831	46.000
874.870	4.821	25.804	30.625	-15.375	46.000
965.080	7.681	15.864	23.545	-30.455	54.000

Note:

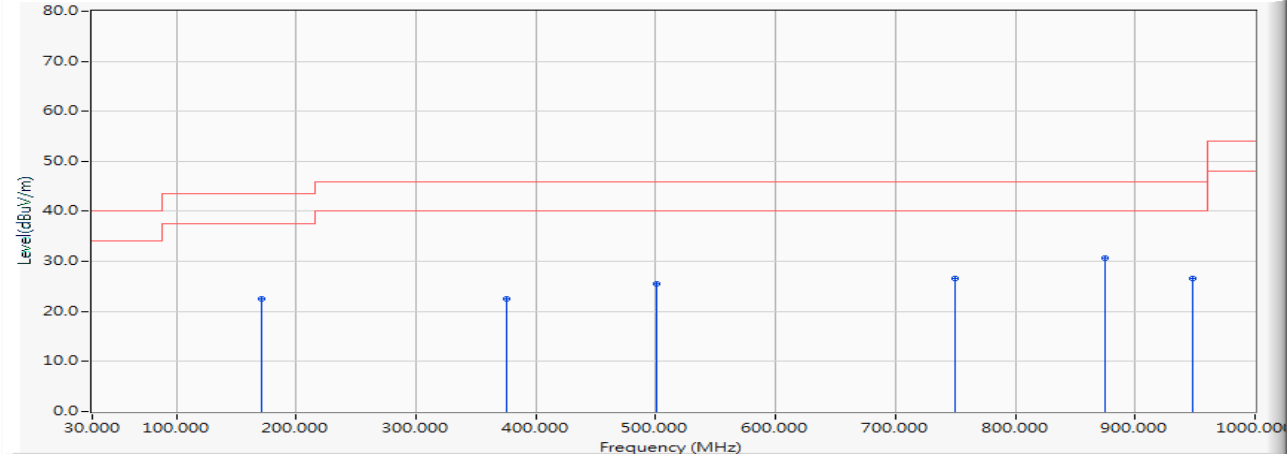
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5220MHz) (F150602-A)

Horizontal:



Vertical:



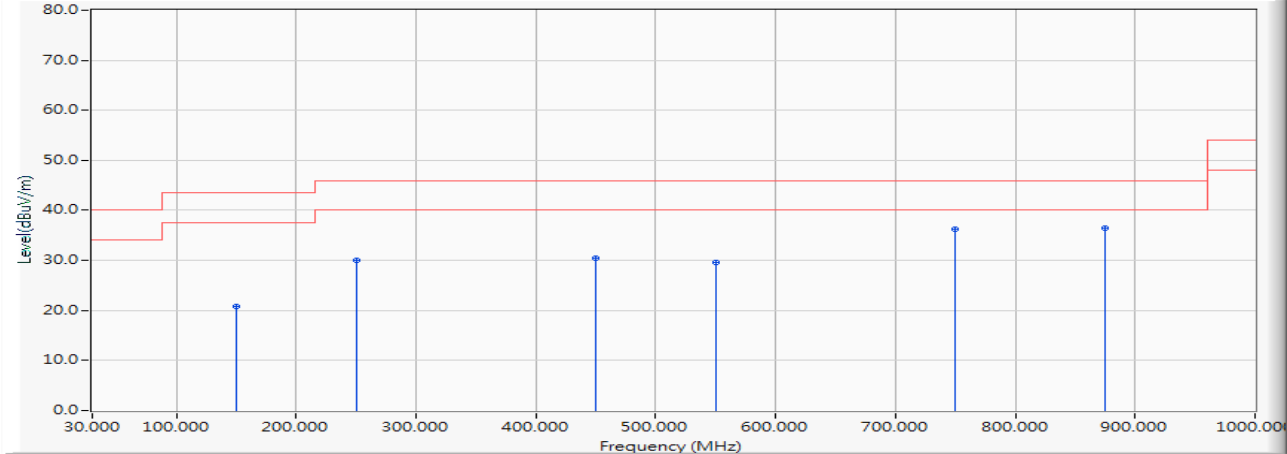
Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
125.060	-8.411	31.796	23.385	-20.115	43.500
299.660	-7.530	31.641	24.111	-21.889	46.000
450.010	-4.251	35.477	31.226	-14.774	46.000
749.740	2.843	31.003	33.846	-12.154	46.000
874.870	4.821	30.235	35.056	-10.944	46.000
948.590	7.084	27.120	34.204	-11.796	46.000
Vertical					
Peak Detector					
171.620	-3.762	26.249	22.487	-21.013	43.500
375.320	-5.909	28.496	22.587	-23.413	46.000
500.450	-2.601	28.129	25.528	-20.472	46.000
749.740	2.843	23.843	26.686	-19.314	46.000
874.870	4.821	25.866	30.687	-15.313	46.000
947.620	7.062	19.458	26.520	-19.480	46.000

Note:

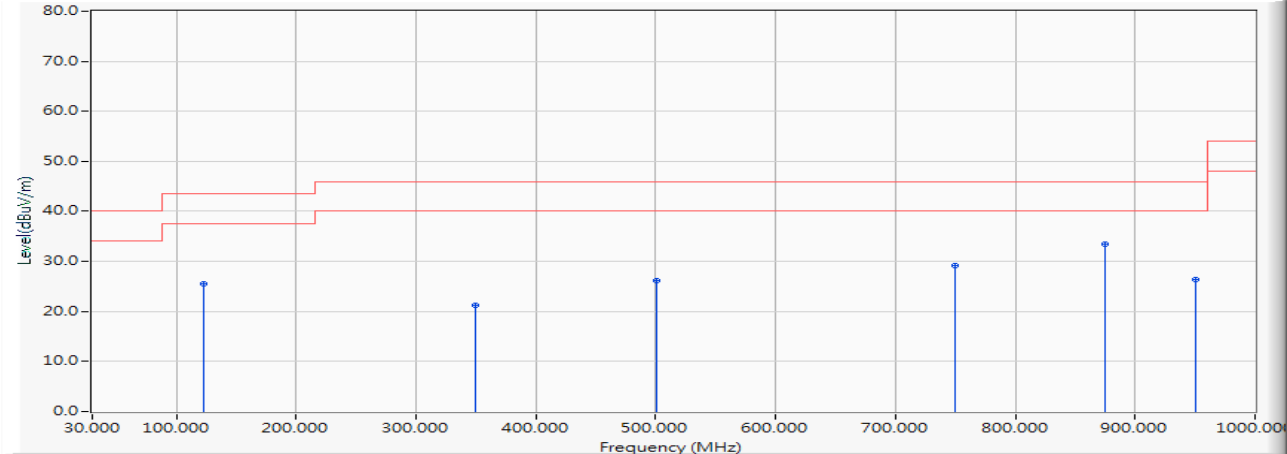
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5300MHz) (F150602-A)

Horizontal:



Vertical:



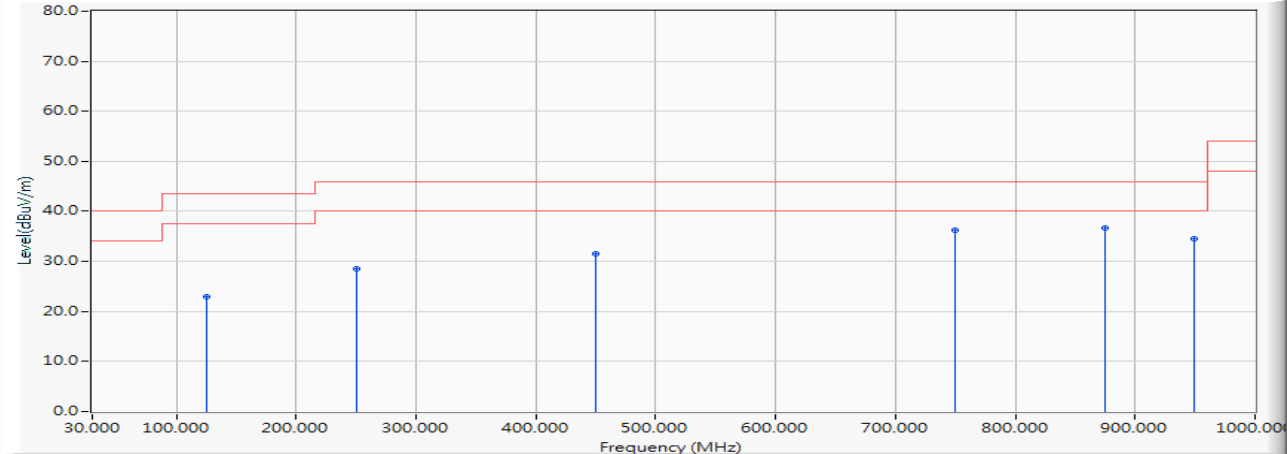
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
150.280	-3.075	23.822	20.747	-22.753	43.500
250.190	-6.410	36.406	29.996	-16.004	46.000
450.010	-4.251	34.612	30.361	-15.639	46.000
549.920	0.339	29.167	29.506	-16.494	46.000
749.740	2.843	33.314	36.157	-9.843	46.000
874.870	4.821	31.746	36.567	-9.433	46.000
Vertical					
Peak Detector					
123.120	-9.492	35.044	25.552	-17.948	43.500
350.100	-7.089	28.397	21.308	-24.692	46.000
500.450	-2.601	28.738	26.137	-19.863	46.000
749.740	2.843	26.281	29.124	-16.876	46.000
874.870	4.821	28.713	33.534	-12.466	46.000
950.530	7.077	19.273	26.350	-19.650	46.000

Note:

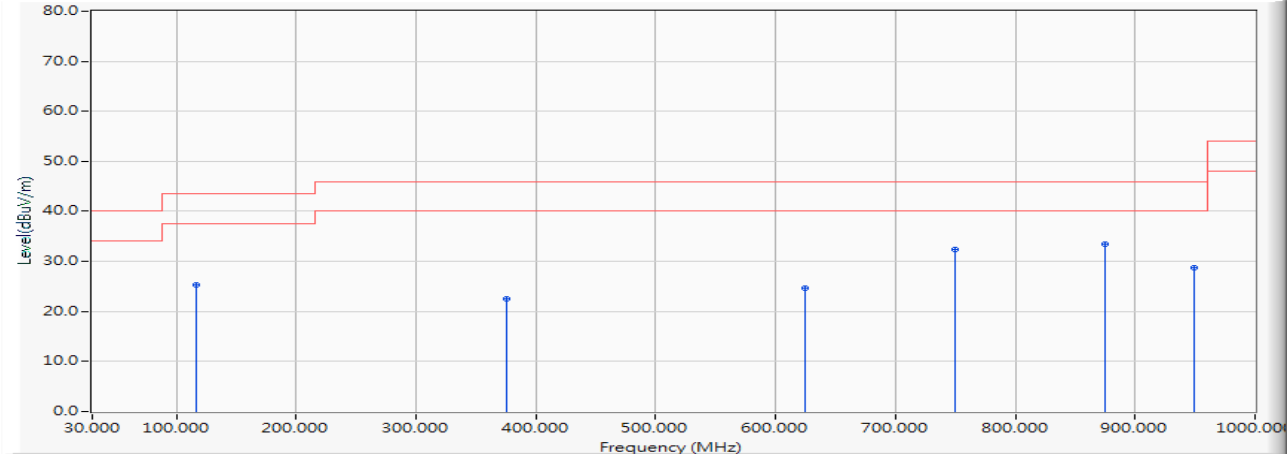
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5580MHz) (F150602-A)

Horizontal:



Vertical:



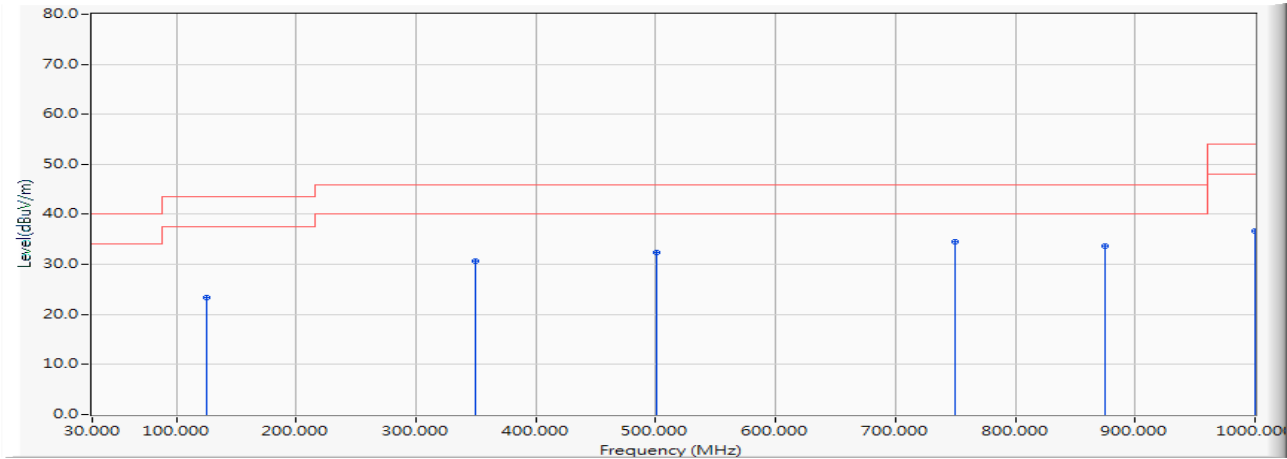
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
125.060	-8.411	31.464	23.053	-20.447	43.500
250.190	-6.410	34.958	28.548	-17.452	46.000
450.010	-4.251	35.835	31.584	-14.416	46.000
749.740	2.843	33.440	36.283	-9.717	46.000
874.870	4.821	31.953	36.774	-9.226	46.000
948.590	7.084	27.437	34.521	-11.479	46.000
Vertical					
Peak Detector					
116.330	-12.262	37.511	25.249	-18.251	43.500
375.320	-5.909	28.345	22.436	-23.564	46.000
624.610	3.104	21.510	24.614	-21.386	46.000
749.740	2.843	29.571	32.414	-13.586	46.000
874.870	4.821	28.704	33.525	-12.475	46.000
949.560	7.085	21.585	28.670	-17.330	46.000

Note:

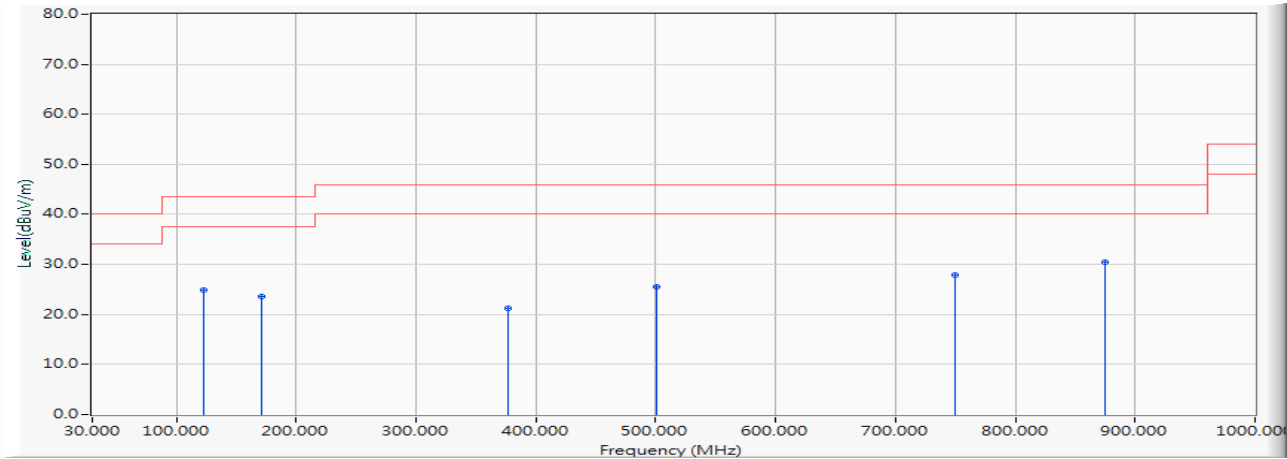
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5785MHz) (F150602-A)

Horizontal:



Vertical:



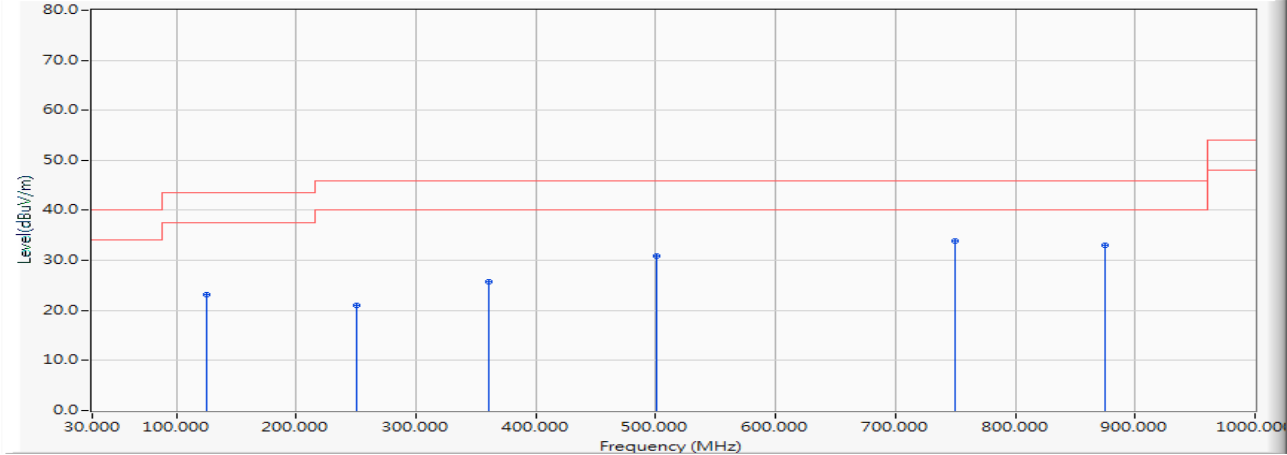
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
125.060	-8.411	31.836	23.425	-20.075	43.500
350.100	-7.089	37.751	30.662	-15.338	46.000
500.450	-2.601	35.018	32.417	-13.583	46.000
749.740	2.843	31.701	34.544	-11.456	46.000
874.870	4.821	28.751	33.572	-12.428	46.000
1000.000	9.639	27.012	36.651	-17.349	54.000
Vertical					
Peak Detector					
123.120	-9.492	34.298	24.806	-18.694	43.500
171.620	-3.762	27.392	23.630	-19.870	43.500
377.260	-5.824	27.084	21.260	-24.740	46.000
500.450	-2.601	28.221	25.620	-20.380	46.000
749.740	2.843	25.131	27.974	-18.026	46.000
874.870	4.821	25.705	30.526	-15.474	46.000

Note:

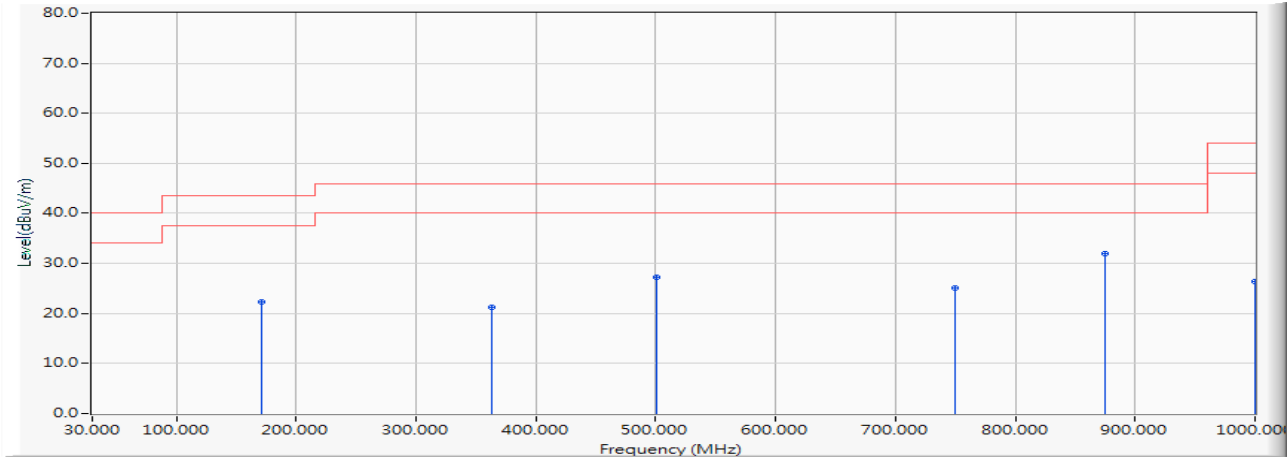
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5230MHz) (F150602-A)

Horizontal:



Vertical:



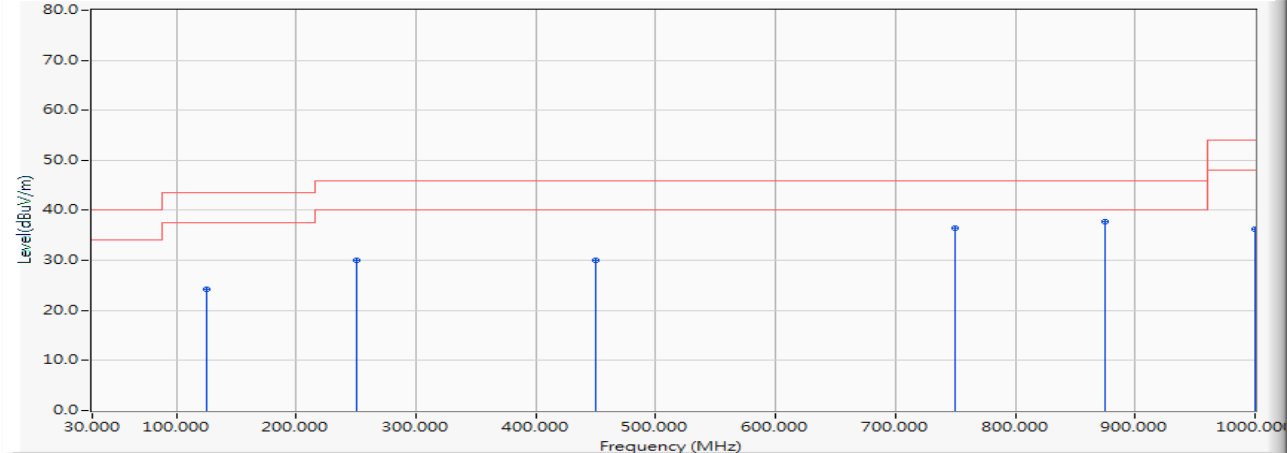
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
125.060	-8.411	31.473	23.062	-20.438	43.500
250.190	-6.410	27.481	21.071	-24.929	46.000
360.770	-6.602	32.373	25.771	-20.229	46.000
500.450	-2.601	33.541	30.940	-15.060	46.000
749.740	2.843	31.145	33.988	-12.012	46.000
874.870	4.821	28.167	32.988	-13.012	46.000
Vertical					
Peak Detector					
171.620	-3.762	26.006	22.244	-21.256	43.500
363.680	-6.460	27.693	21.233	-24.767	46.000
500.450	-2.601	29.817	27.216	-18.784	46.000
749.740	2.843	22.356	25.199	-20.801	46.000
874.870	4.821	27.151	31.972	-14.028	46.000
1000.000	9.639	16.771	26.410	-27.590	54.000

Note:

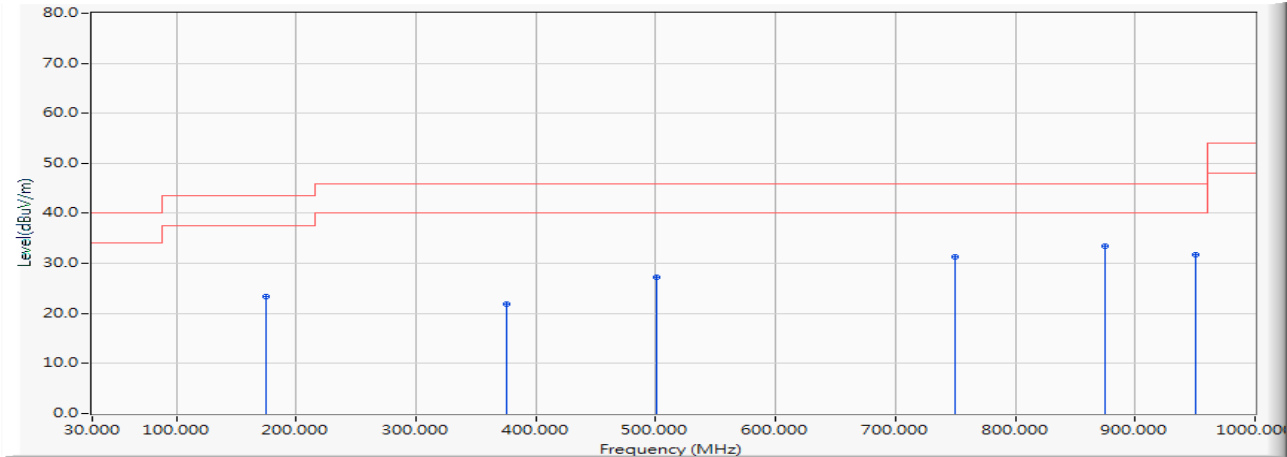
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz) (F150602-A)

Horizontal:



Vertical:



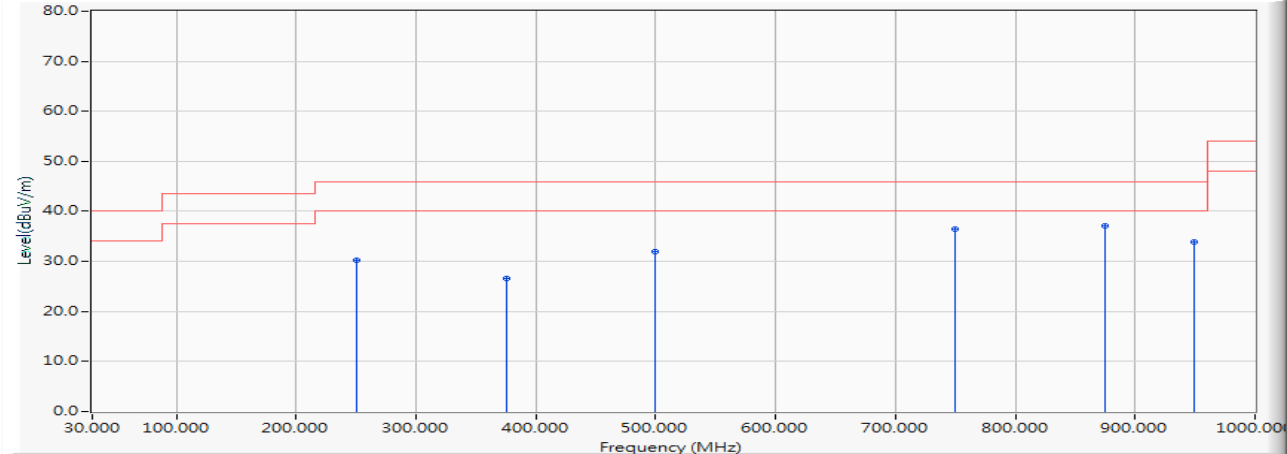
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
125.060	-8.411	32.641	24.230	-19.270	43.500
250.190	-6.410	36.451	30.041	-15.959	46.000
450.010	-4.251	34.250	29.999	-16.001	46.000
749.740	2.843	33.527	36.370	-9.630	46.000
874.870	4.821	32.905	37.726	-8.274	46.000
1000.000	9.639	26.714	36.353	-17.647	54.000
Vertical					
Peak Detector					
175.500	-4.100	27.563	23.463	-20.037	43.500
375.320	-5.909	27.710	21.801	-24.199	46.000
500.450	-2.601	29.897	27.296	-18.704	46.000
749.740	2.843	28.557	31.400	-14.600	46.000
874.870	4.821	28.566	33.387	-12.613	46.000
950.530	7.077	24.672	31.749	-14.251	46.000

Note:

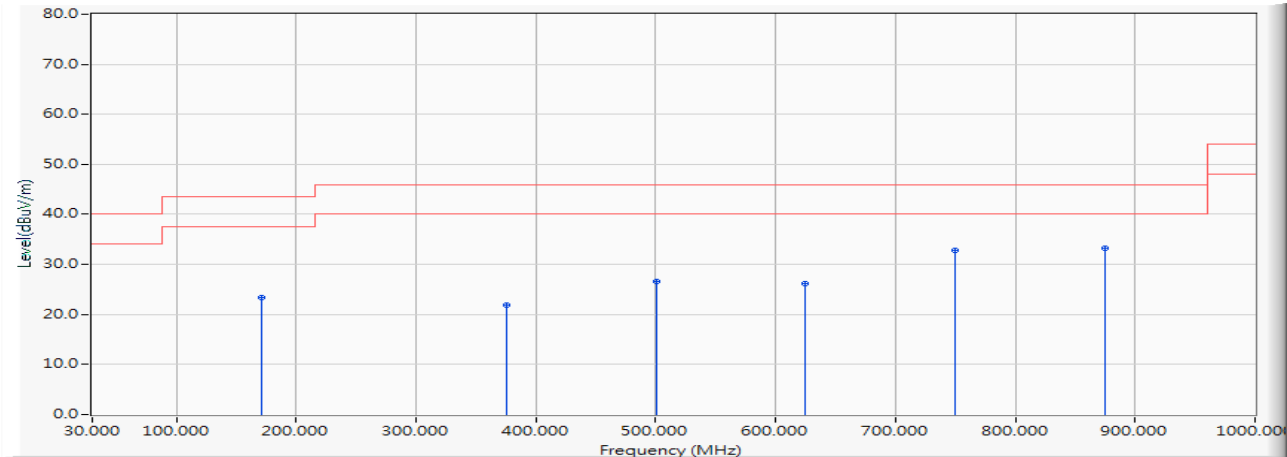
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5550MHz) (F150602-A)

Horizontal:



Vertical:



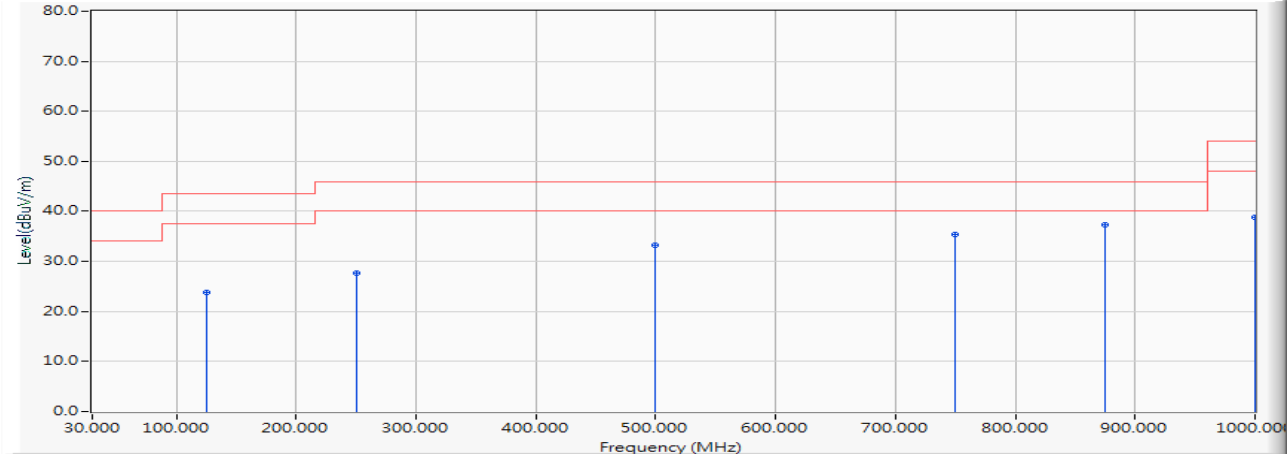
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
250.190	-6.410	36.746	30.336	-15.664	46.000
375.320	-5.909	32.516	26.607	-19.393	46.000
499.480	-2.684	34.587	31.903	-14.097	46.000
749.740	2.843	33.632	36.475	-9.525	46.000
874.870	4.821	32.203	37.024	-8.976	46.000
949.560	7.085	26.895	33.980	-12.020	46.000
Vertical					
Peak Detector					
171.620	-3.762	27.208	23.446	-20.054	43.500
375.320	-5.909	27.847	21.938	-24.062	46.000
500.450	-2.601	29.248	26.647	-19.353	46.000
624.610	3.104	23.063	26.167	-19.833	46.000
749.740	2.843	29.874	32.717	-13.283	46.000
874.870	4.821	28.439	33.260	-12.740	46.000

Note:

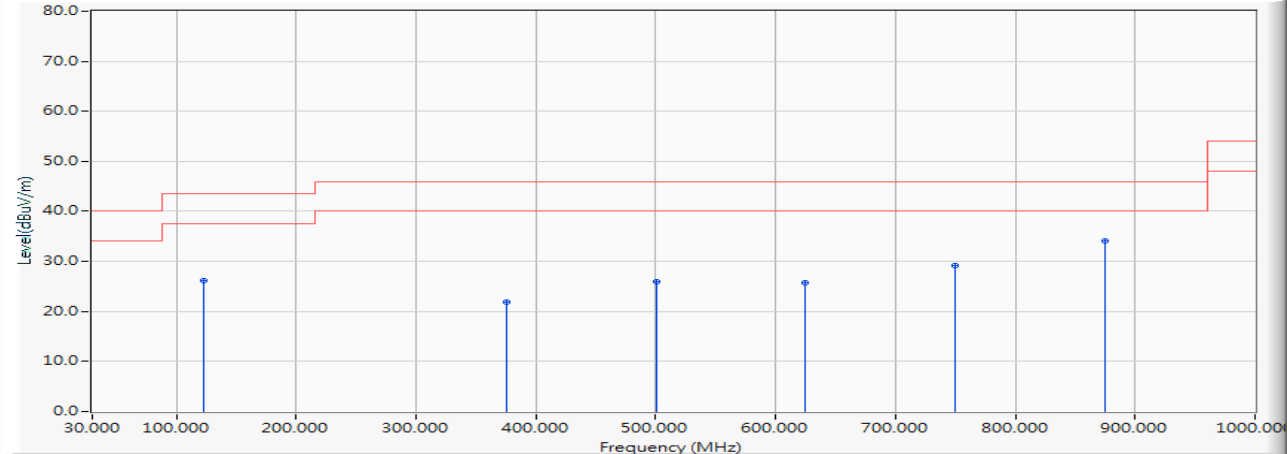
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5755MHz) (F150602-A)

Horizontal:



Vertical:



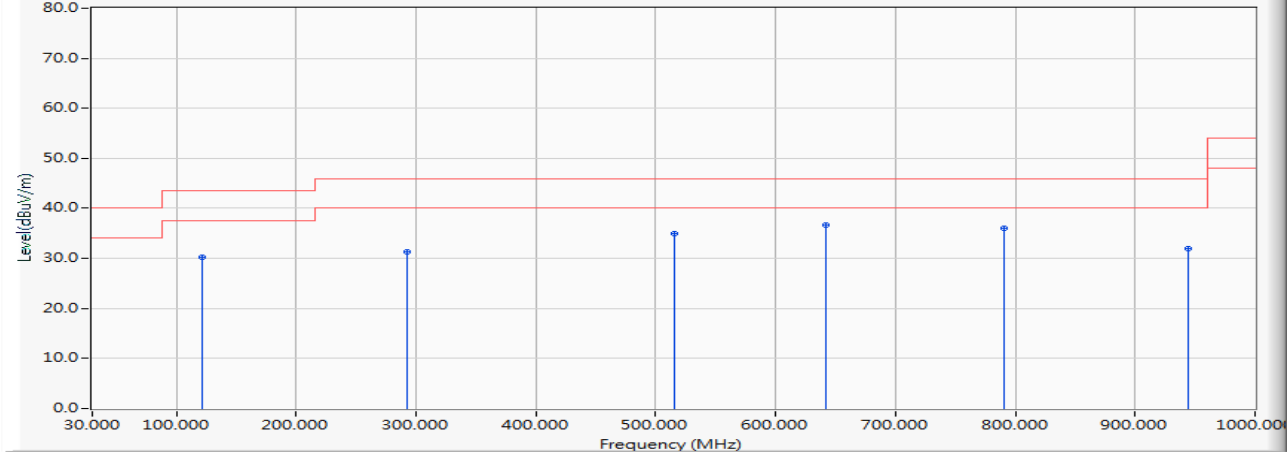
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
125.060	-8.411	32.271	23.860	-19.640	43.500
250.190	-6.410	34.014	27.604	-18.396	46.000
499.480	-2.684	35.978	33.294	-12.706	46.000
749.740	2.843	32.603	35.446	-10.554	46.000
874.870	4.821	32.395	37.216	-8.784	46.000
1000.000	9.639	29.118	38.757	-15.243	54.000
Vertical					
Peak Detector					
123.120	-9.492	35.653	26.161	-17.339	43.500
375.320	-5.909	27.684	21.775	-24.225	46.000
500.450	-2.601	28.521	25.920	-20.080	46.000
624.610	3.104	22.616	25.720	-20.280	46.000
749.740	2.843	26.254	29.097	-16.903	46.000
874.870	4.821	29.315	34.136	-11.864	46.000

Note:

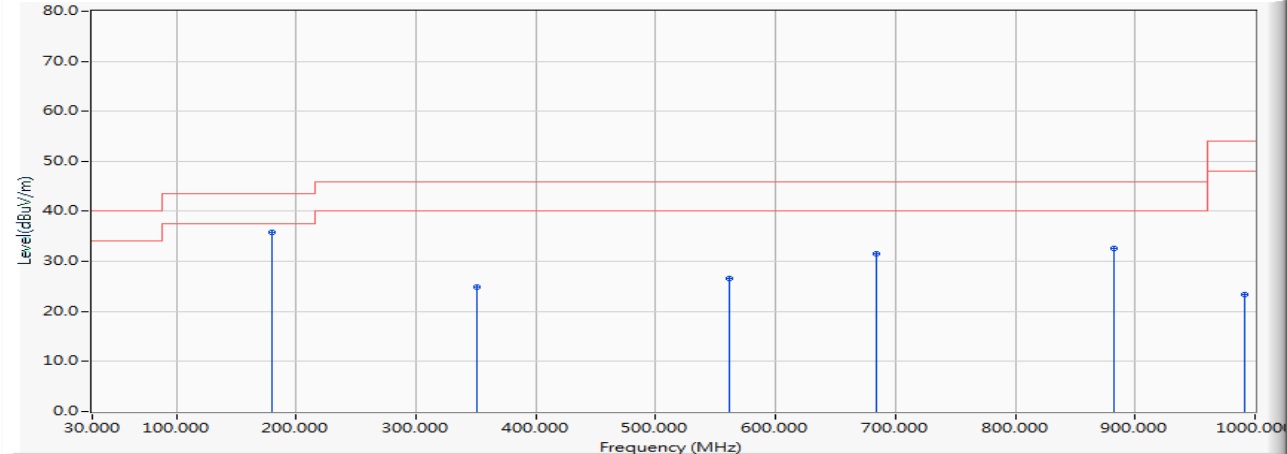
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps) (5720MHz) (F150602-A)

Horizontal:



Vertical:



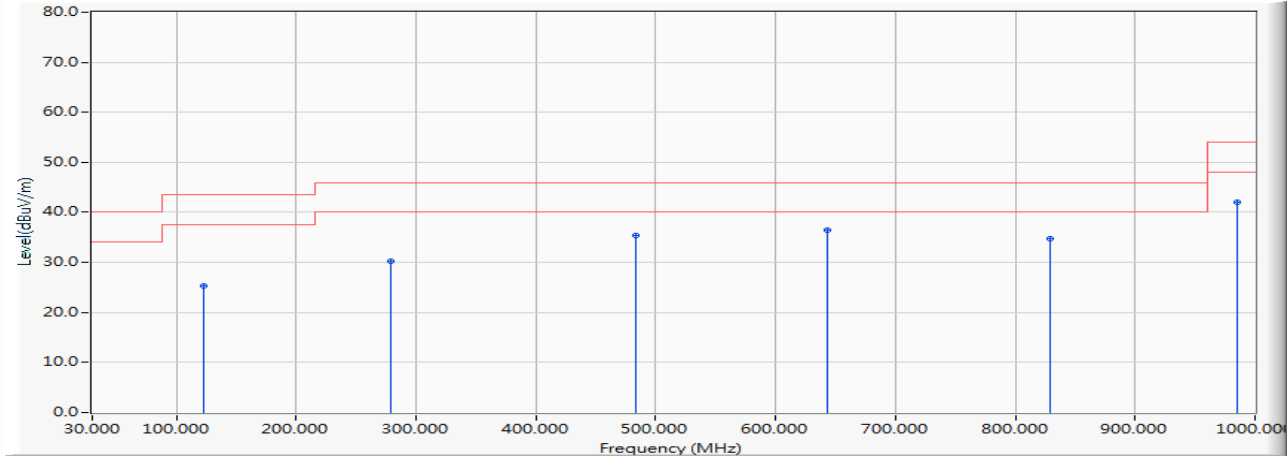
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
121.730	-10.263	40.592	30.329	-13.171	43.500
293.140	-7.714	39.068	31.354	-14.646	46.000
515.780	-0.762	35.643	34.882	-11.118	46.000
642.490	2.504	34.265	36.769	-9.231	46.000
791.250	3.008	32.978	35.986	-10.014	46.000
943.970	6.988	24.933	31.921	-14.079	46.000
Vertical					
Peak Detector					
179.820	-4.486	40.217	35.731	-7.769	43.500
351.360	-7.031	31.922	24.891	-21.109	46.000
561.180	1.268	25.427	26.695	-19.305	46.000
684.360	-3.073	34.554	31.481	-14.519	46.000
882.870	5.565	27.139	32.704	-13.296	46.000
991.260	9.890	13.532	23.422	-30.578	54.000

Note:

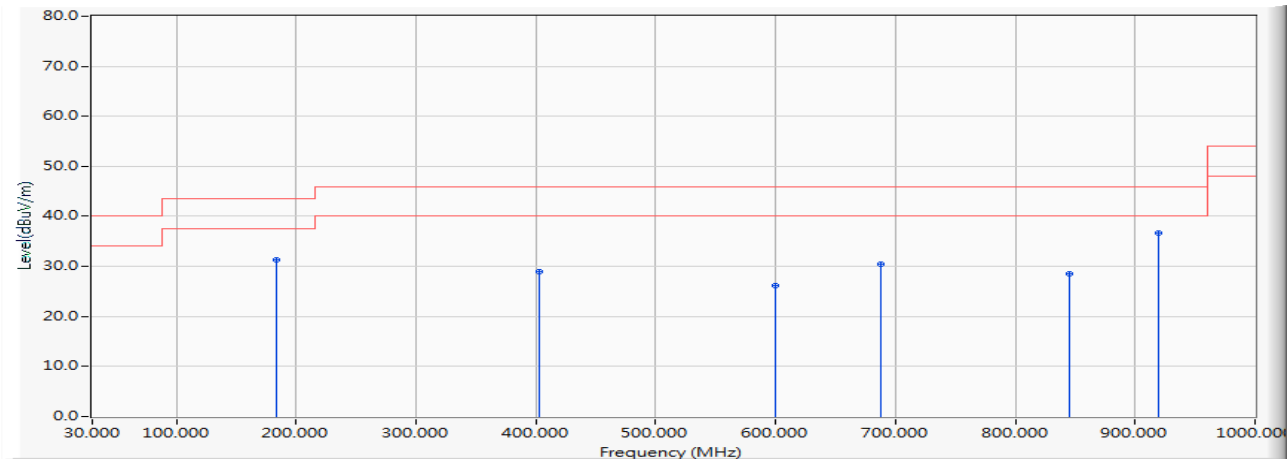
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/18
Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps) (5710MHz) (F150602-A)

Horizontal:



Vertical:



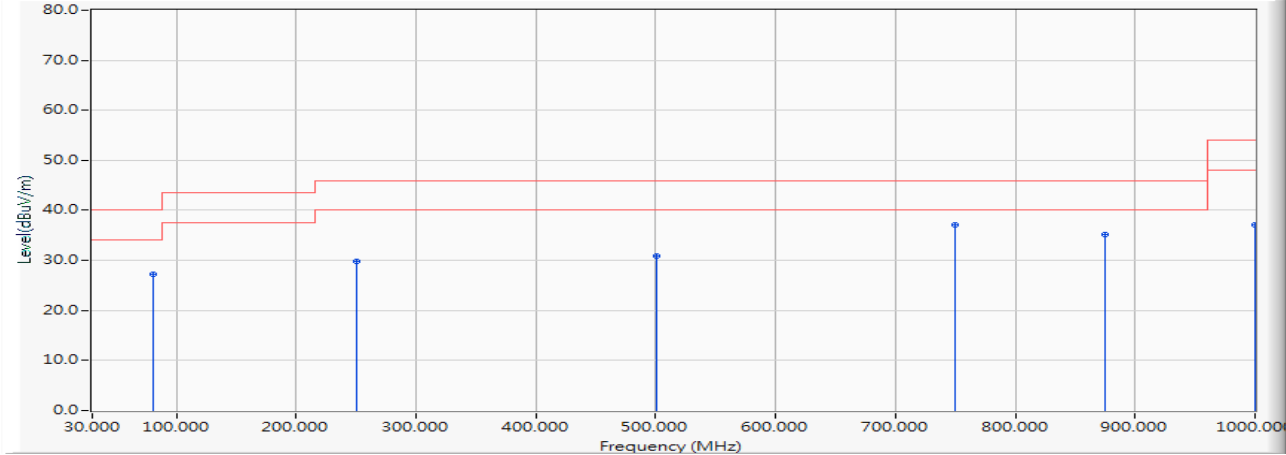
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
122.960	-9.580	34.802	25.222	-18.278	43.500
279.580	-5.836	36.011	30.175	-15.825	46.000
483.750	-3.101	38.474	35.373	-10.627	46.000
643.470	2.345	34.191	36.536	-9.464	46.000
829.610	3.553	31.129	34.682	-11.318	46.000
985.390	10.069	31.989	42.057	-11.943	54.000
Vertical					
Peak Detector					
183.232	-4.844	36.071	31.227	-12.273	43.500
402.536	-6.299	35.245	28.947	-17.053	46.000
599.348	3.370	22.867	26.237	-19.763	46.000
687.913	-3.059	33.610	30.551	-15.449	46.000
845.362	3.407	25.180	28.587	-17.413	46.000
919.870	6.528	30.124	36.652	-9.348	46.000

Note:

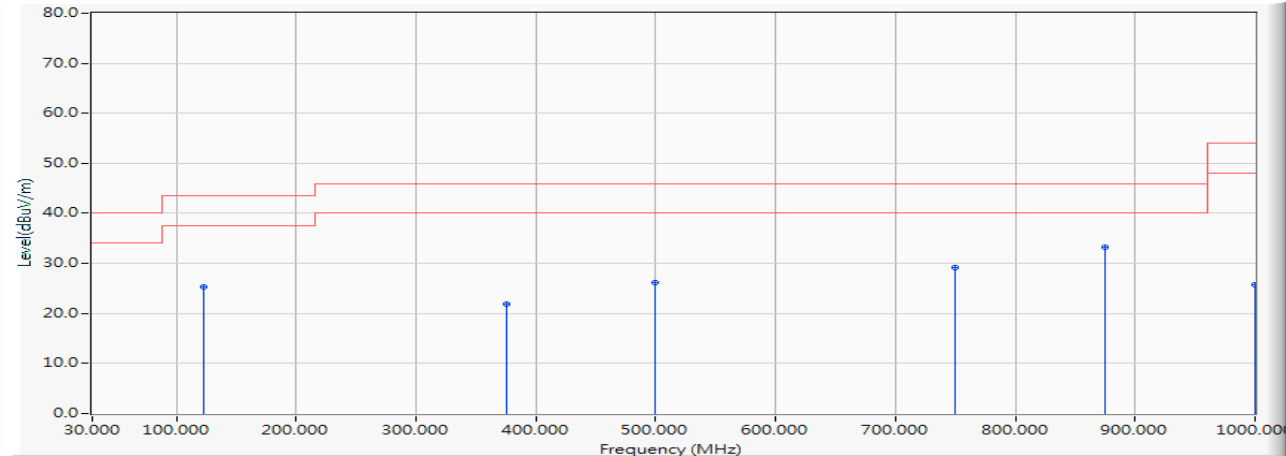
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz) (F150602-A)

Horizontal:



Vertical:



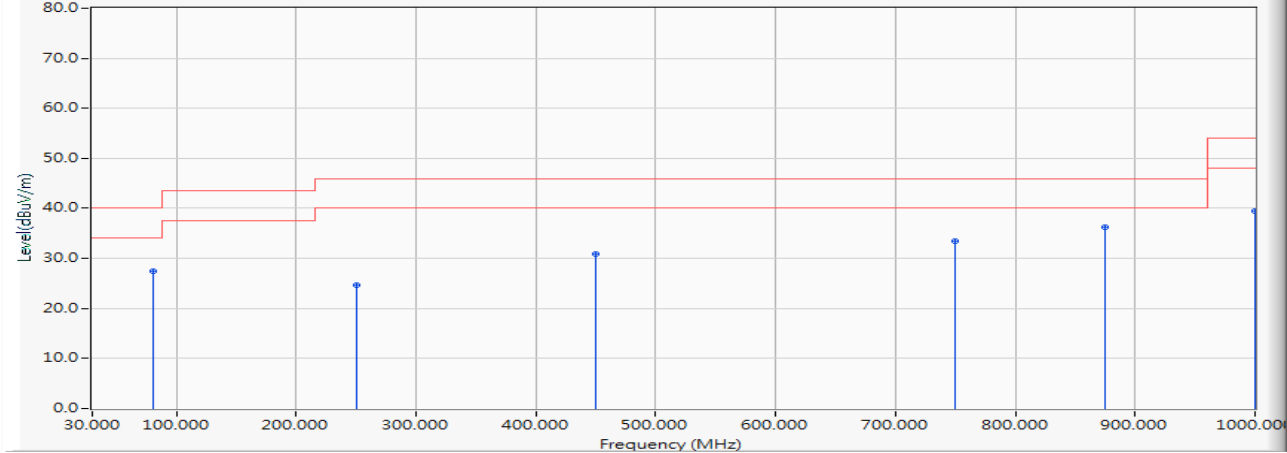
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
80.440	-16.587	43.724	27.137	-12.863	40.000
250.190	-6.410	36.169	29.759	-16.241	46.000
500.450	-2.601	33.475	30.874	-15.126	46.000
749.740	2.843	34.342	37.185	-8.815	46.000
874.870	4.821	30.433	35.254	-10.746	46.000
1000.000	9.639	27.414	37.053	-16.947	54.000
Vertical					
Peak Detector					
123.120	-9.492	34.749	25.257	-18.243	43.500
375.320	-5.909	27.717	21.808	-24.192	46.000
499.480	-2.684	28.853	26.169	-19.831	46.000
749.740	2.843	26.286	29.129	-16.871	46.000
874.870	4.821	28.367	33.188	-12.812	46.000
1000.000	9.639	16.127	25.766	-28.234	54.000

Note:

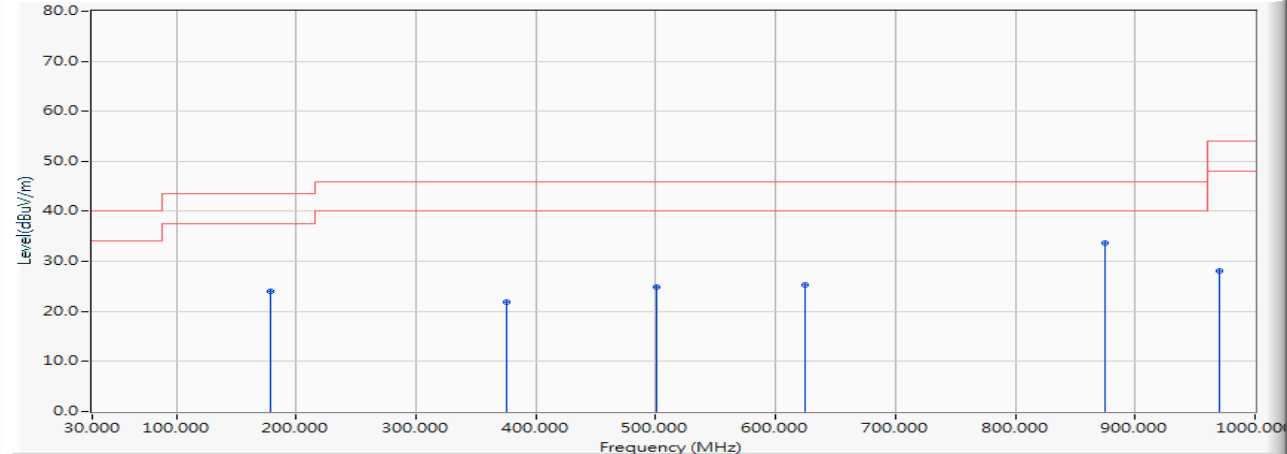
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5290MHz) (F150602-A)

Horizontal:



Vertical:



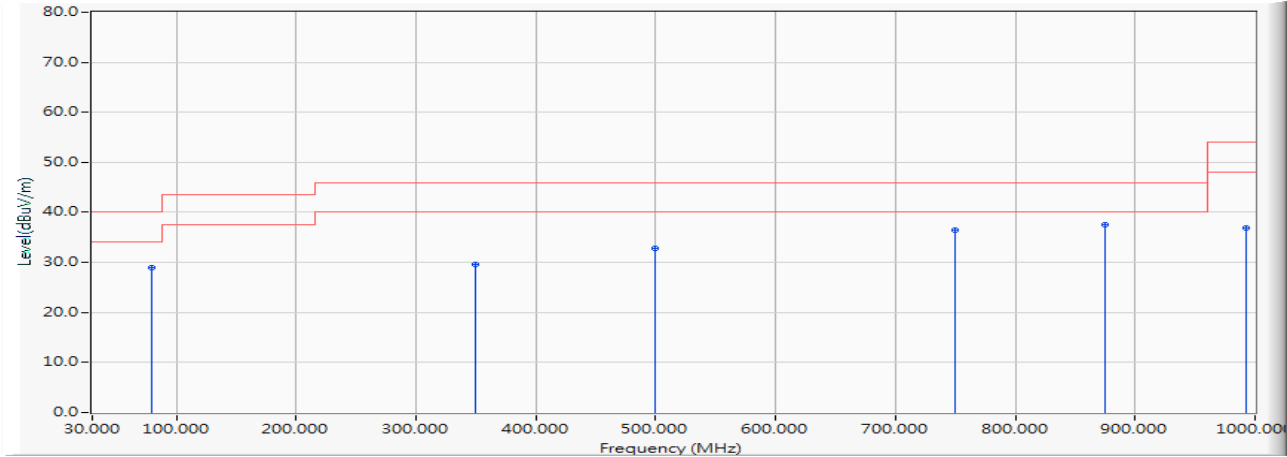
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
80.440	-16.587	44.000	27.413	-12.587	40.000
250.190	-6.410	31.058	24.648	-21.352	46.000
450.010	-4.251	35.144	30.893	-15.107	46.000
749.740	2.843	30.589	33.432	-12.568	46.000
874.870	4.821	31.482	36.303	-9.697	46.000
1000.000	9.639	29.845	39.484	-14.516	54.000
Vertical					
Peak Detector					
178.410	-4.354	28.321	23.967	-19.533	43.500
375.320	-5.909	27.804	21.895	-24.105	46.000
500.450	-2.601	27.557	24.956	-21.044	46.000
624.610	3.104	22.217	25.321	-20.679	46.000
874.870	4.821	28.870	33.691	-12.309	46.000
969.930	8.499	19.675	28.174	-25.826	54.000

Note:

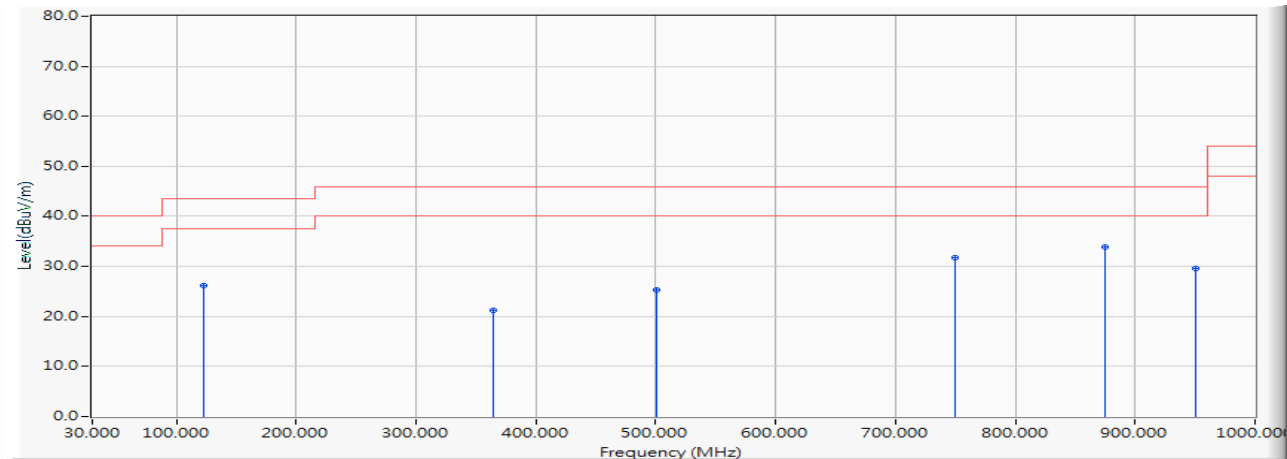
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz) (F150602-A)

Horizontal:



Vertical:



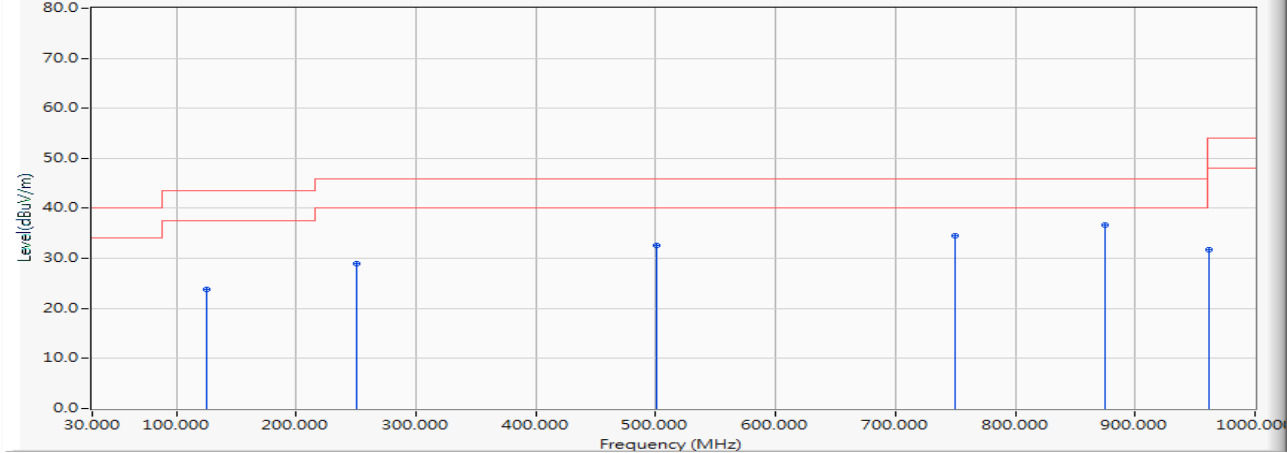
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
79.470	-16.425	45.349	28.924	-11.076	40.000
350.100	-7.089	36.639	29.550	-16.450	46.000
499.480	-2.684	35.536	32.852	-13.148	46.000
749.740	2.843	33.623	36.466	-9.534	46.000
874.870	4.821	32.610	37.431	-8.569	46.000
992.240	9.862	27.041	36.903	-17.097	54.000
Vertical					
Peak Detector					
123.120	-9.492	35.733	26.241	-17.259	43.500
364.650	-6.406	27.726	21.320	-24.680	46.000
500.450	-2.601	27.947	25.346	-20.654	46.000
749.740	2.843	28.868	31.711	-14.289	46.000
874.870	4.821	29.118	33.939	-12.061	46.000
950.530	7.077	22.529	29.606	-16.394	46.000

Note:

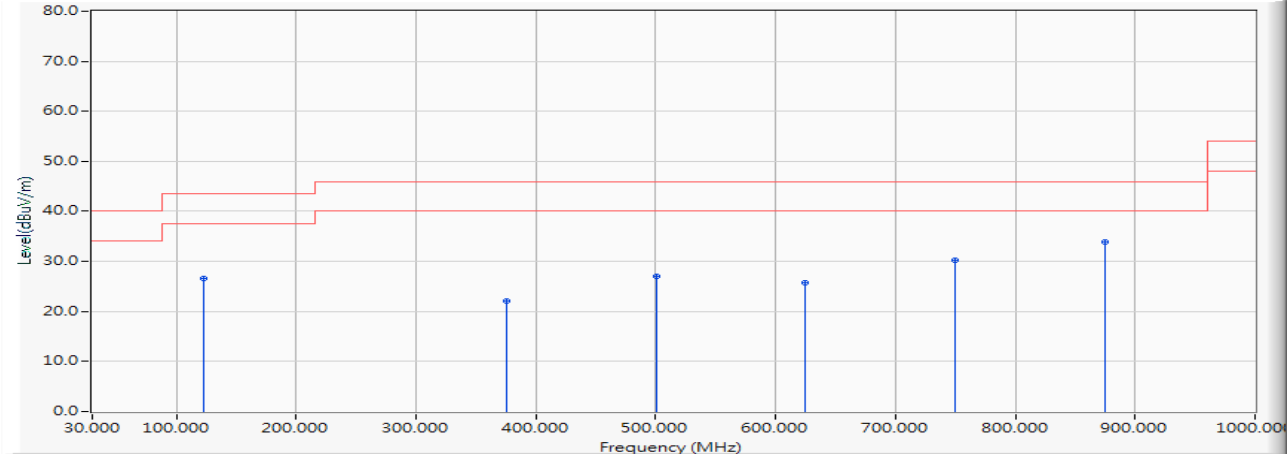
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.
6. No emission found between lowest internal used/generated frequency to 30MHz.

Product : STREAMING SOUNDBAR
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Date : 2018/12/20
Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5775MHz) (F150602-A)

Horizontal:



Vertical:



Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
125.060	-8.411	32.231	23.820	-19.680	43.500
250.190	-6.410	35.323	28.913	-17.087	46.000
500.450	-2.601	35.197	32.596	-13.404	46.000
749.740	2.843	31.601	34.444	-11.556	46.000
874.870	4.821	31.766	36.587	-9.413	46.000
962.170	7.176	24.465	31.641	-22.359	54.000
Vertical					
Peak Detector					
123.120	-9.492	36.144	26.652	-16.848	43.500
375.320	-5.909	27.950	22.041	-23.959	46.000
500.450	-2.601	29.524	26.923	-19.077	46.000
624.610	3.104	22.617	25.721	-20.279	46.000
749.740	2.843	27.397	30.240	-15.760	46.000
874.870	4.821	29.147	33.968	-12.032	46.000

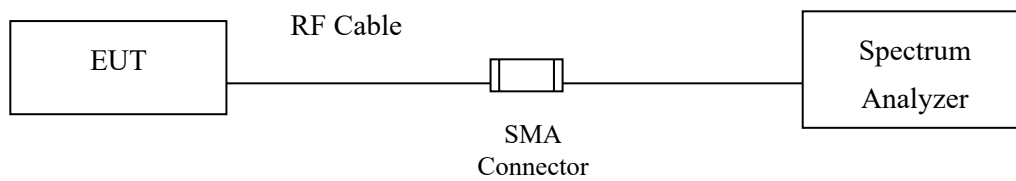
Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

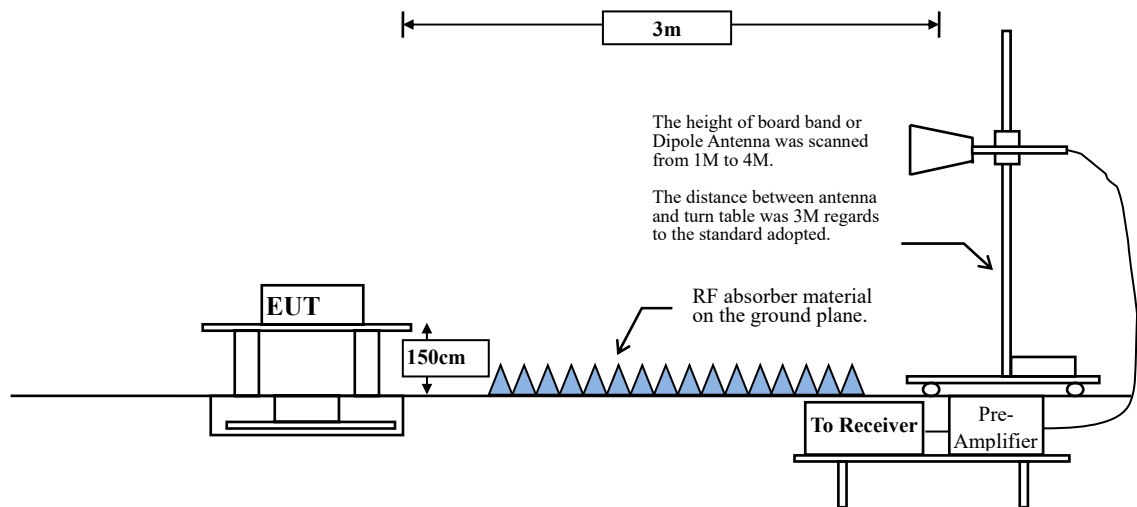
6. Band Edge

6.1. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



6.2. Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBµV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks :

1. RF Voltage (dBµV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

6.3. Test Procedure

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz. The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

RBW and VBW Parameter setting:

According to KDB 789033 section II.G.5 Procedure for Unwanted Maximum Emissions
Measurements above 1000 MHz.

RBW = 1MHz.

VBW $\geq$ 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions
Measurements above 1000 MHz.

RBW = 1MHz.

VBW = 10Hz, when duty cycle $\geq$ 98 %

VBW $\geq$ 1/T, when duty cycle < 98 %

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11a	43.95	0.2420	4132	5kHz
802.11n20	42.90	0.2275	4395	5kHz
802.11n40	29.39	0.1261	7931	8kHz
802.11ac20	39.72	0.1990	5025	6kHz
802.11ac40	27.05	0.1120	8929	10kHz
802.11ac80	19.38	0.0725	13801	20kHz

Note: Duty Cycle Refer to Section 8

6.4. Uncertainty

$\pm$ 4.08 dB above 1GHz

$\pm$ 4.22 dB below 1GHz

6.5. Test Result of Band Edge

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
36 (Peak)	5150.000	10.470	45.729	56.200	74.00	54.00	Pass
36 (Peak)	5186.667	10.378	87.248	97.625	--	--	--
36 (Average)	5110.435	10.562	31.320	41.882	74.00	54.00	Pass
36 (Average)	5150.000	10.470	29.036	39.507	74.00	54.00	Pass
36 (Average)	5176.232	10.404	78.199	88.603	--	--	--

Figure Channel 36: Horizontal (Peak)

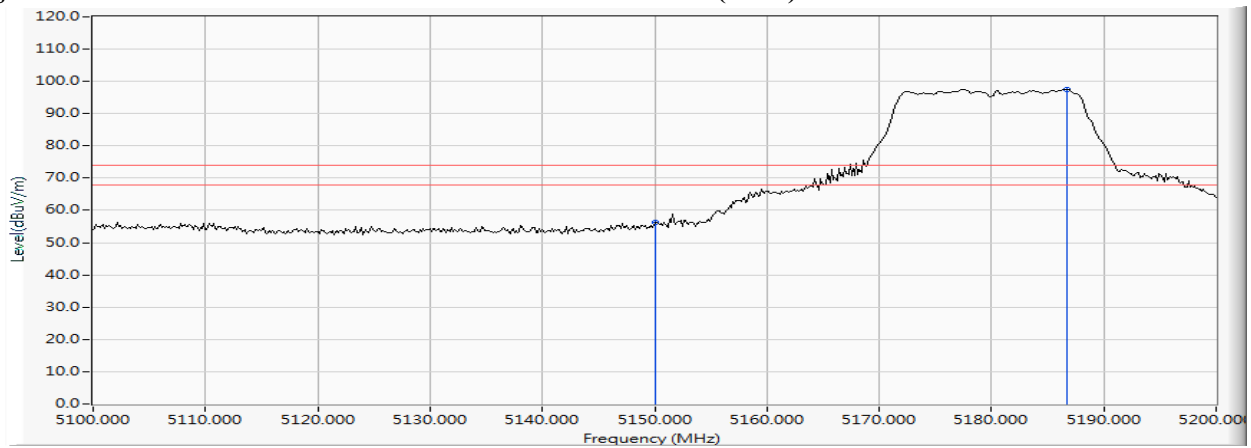
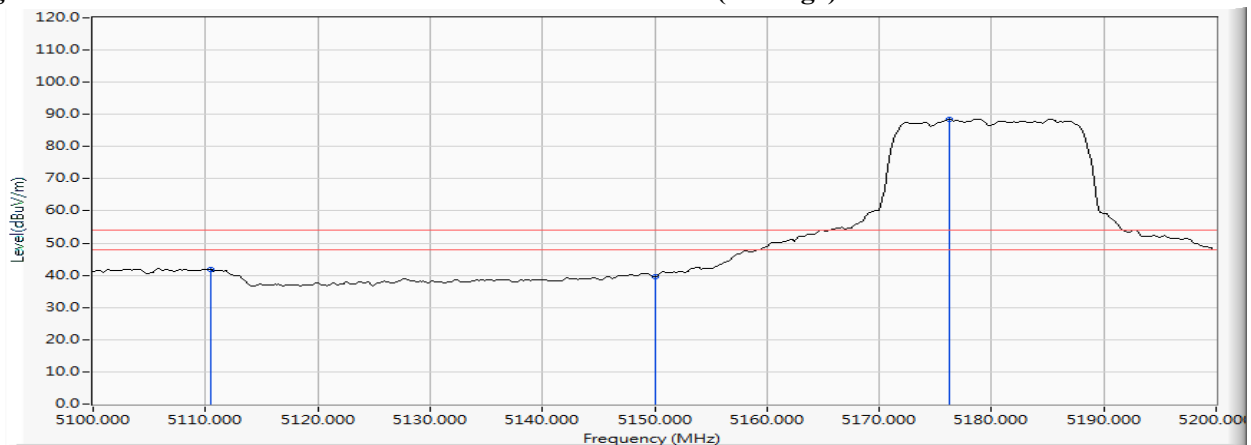


Figure Channel 36: Horizontal (Average)



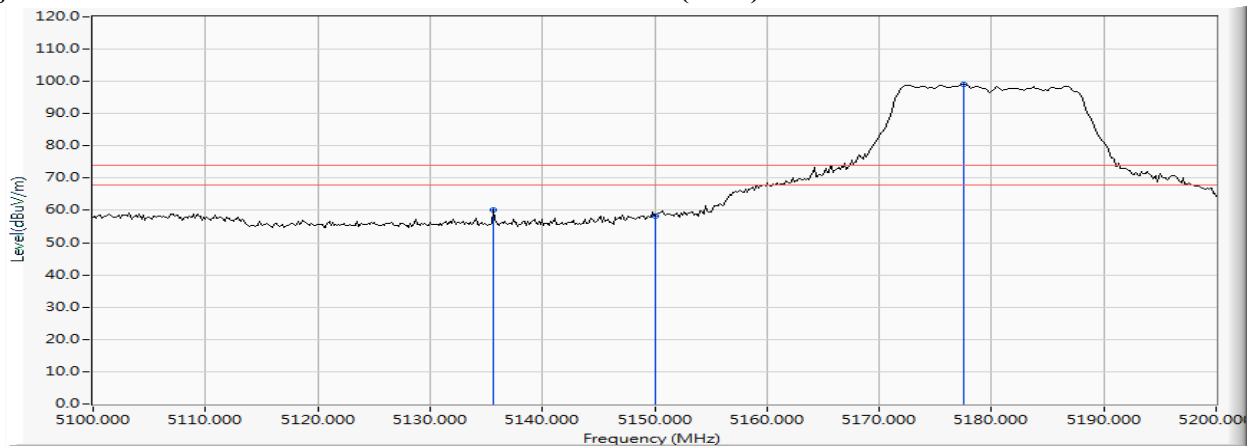
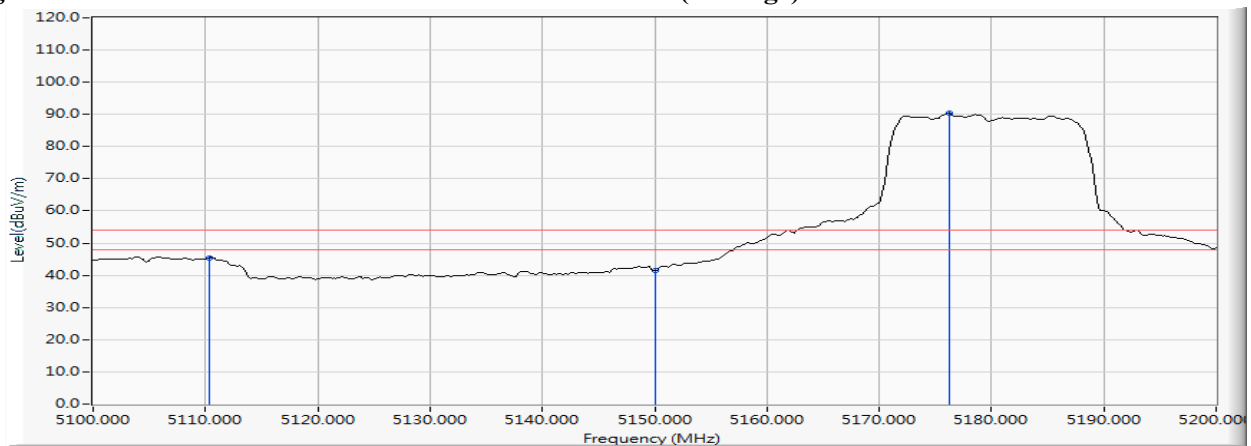
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
36 (Peak)	5135.652	12.336	47.688	60.024	74.00	54.00	Pass
36 (Peak)	5150.000	12.390	45.866	58.256	74.00	54.00	Pass
36 (Peak)	5177.536	12.492	86.618	99.110	--	--	--
36 (Average)	5110.290	12.245	33.193	45.438	74.00	54.00	Pass
36 (Average)	5150.000	12.390	29.147	41.537	74.00	54.00	Pass
36 (Average)	5176.232	12.488	77.853	90.341	--	--	--

Figure Channel 36: Vertical (Peak)**Figure Channel 36: Vertical (Average)**

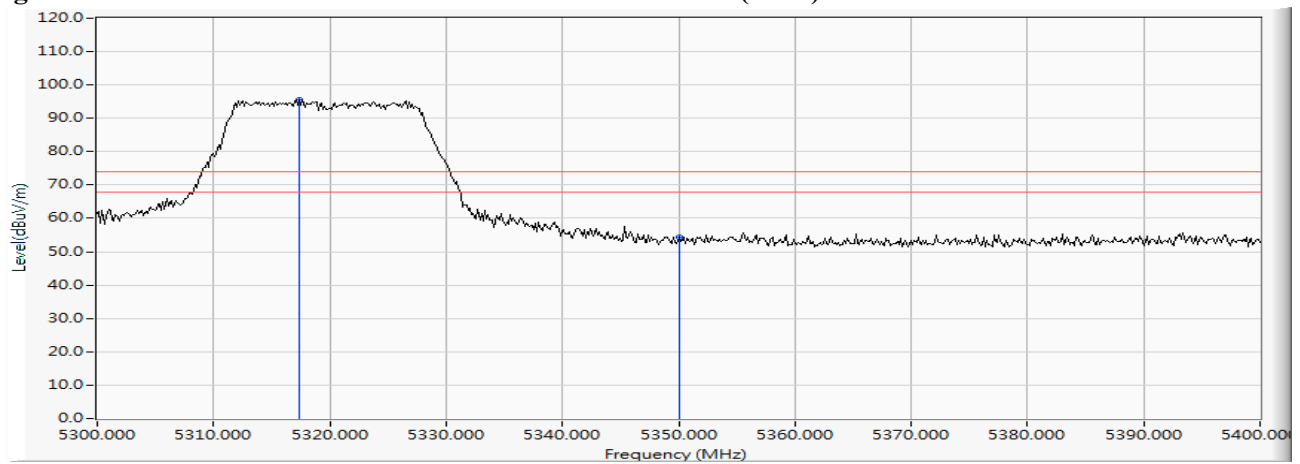
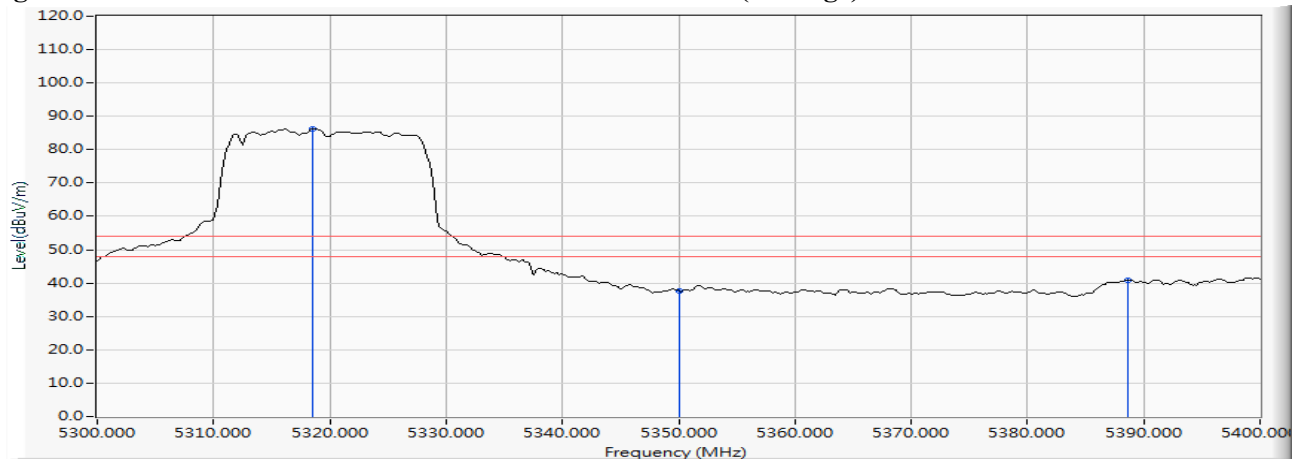
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5317.391	11.107	84.523	95.631	--	--	--
64 (Peak)	5350.000	11.024	43.498	54.522	74.00	54.00	Pass
64 (Average)	5318.551	11.105	75.266	86.371	--	--	--
64 (Average)	5350.000	11.024	26.581	37.605	74.00	54.00	Pass
64 (Average)	5388.696	10.930	29.830	40.760	74.00	54.00	Pass

Figure Channel 64: Horizontal (Peak)

Figure Channel 64: Horizontal (Average)


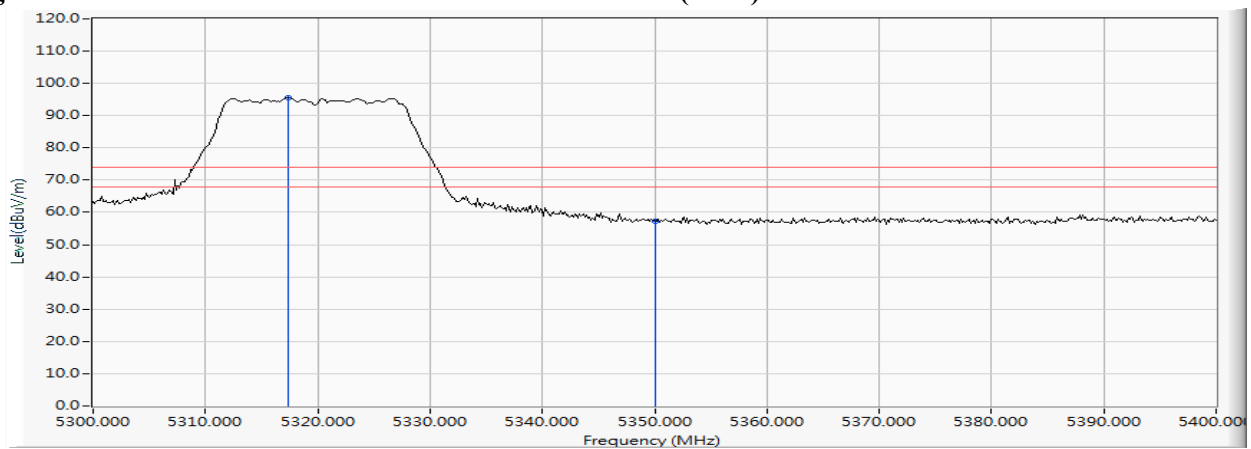
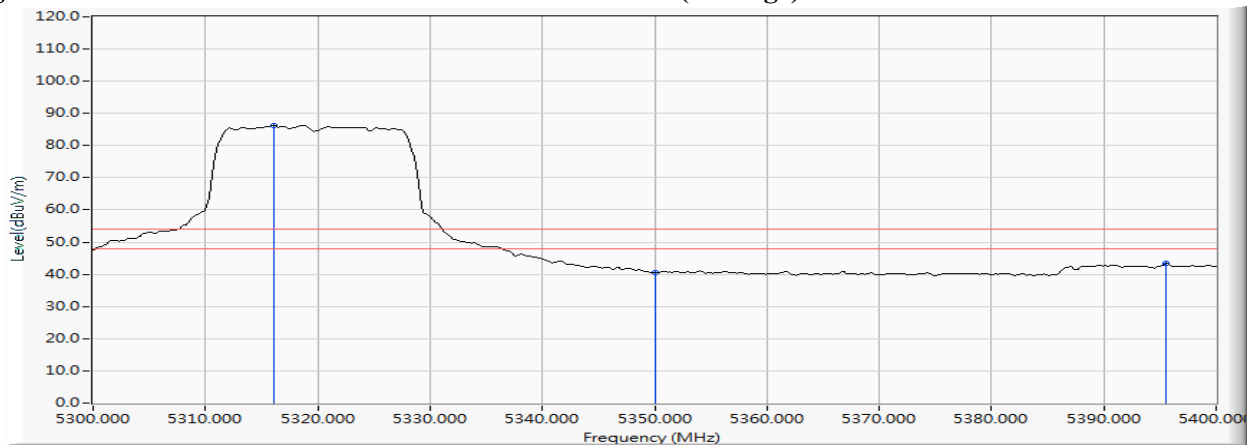
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5317.391	13.019	82.537	95.556	--	--	--
64 (Peak)	5350.000	12.999	44.305	57.304	74.00	54.00	Pass
64 (Average)	5316.087	13.020	73.342	86.362	--	--	--
64 (Average)	5350.000	12.999	27.449	40.448	74.00	54.00	Pass
64 (Average)	5395.507	12.981	30.340	43.321	74.00	54.00	Pass

Figure Channel 64: Vertical (Peak)**Figure Channel 64: Vertical (Average)**

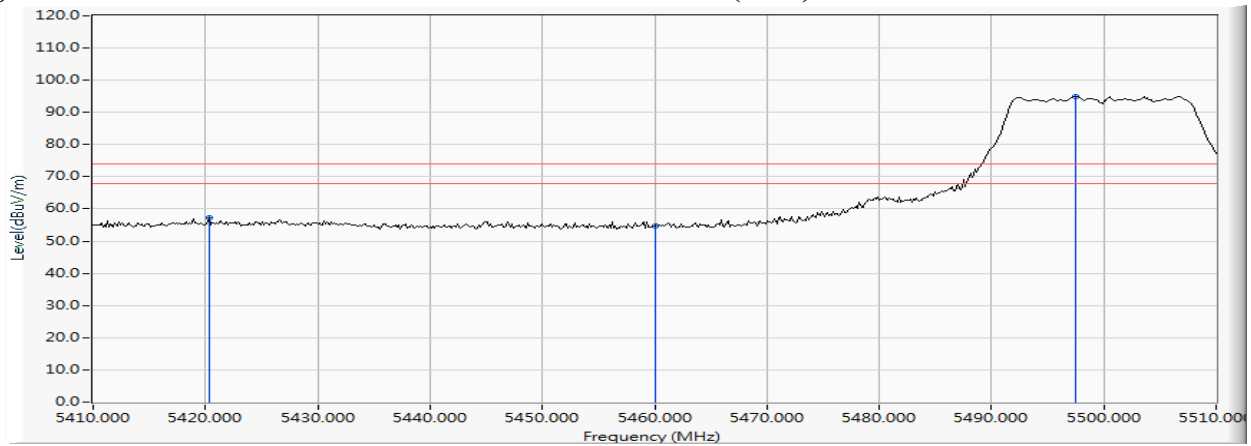
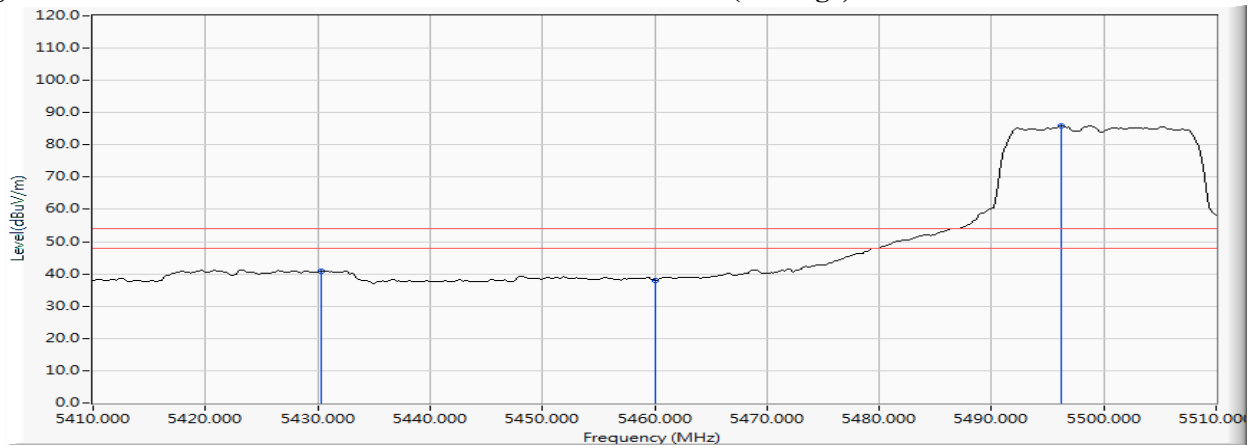
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5420.290	11.168	45.968	57.136	74.00	54.00	Pass
100 (Peak)	5460.000	11.703	42.885	54.588	74.00	54.00	Pass
100 (Peak)	5497.536	12.151	82.831	94.983	--	--	--
100 (Average)	5430.290	11.304	29.511	40.815	74.00	54.00	Pass
100 (Average)	5460.000	11.703	26.390	38.093	74.00	54.00	Pass
100 (Average)	5496.232	12.143	73.795	85.937	--	--	--

Figure Channel 100: Horizontal (Peak)

Figure Channel 100: Horizontal (Average)


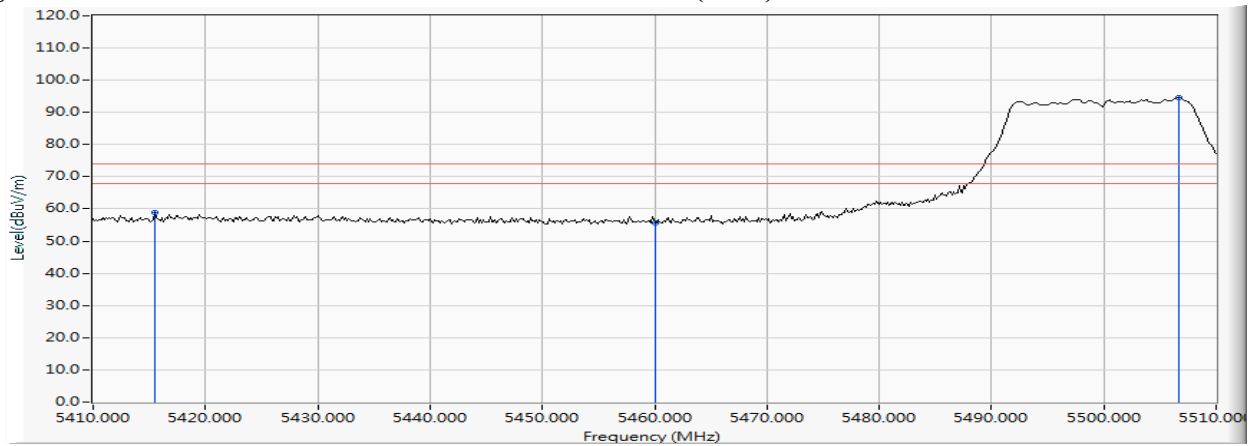
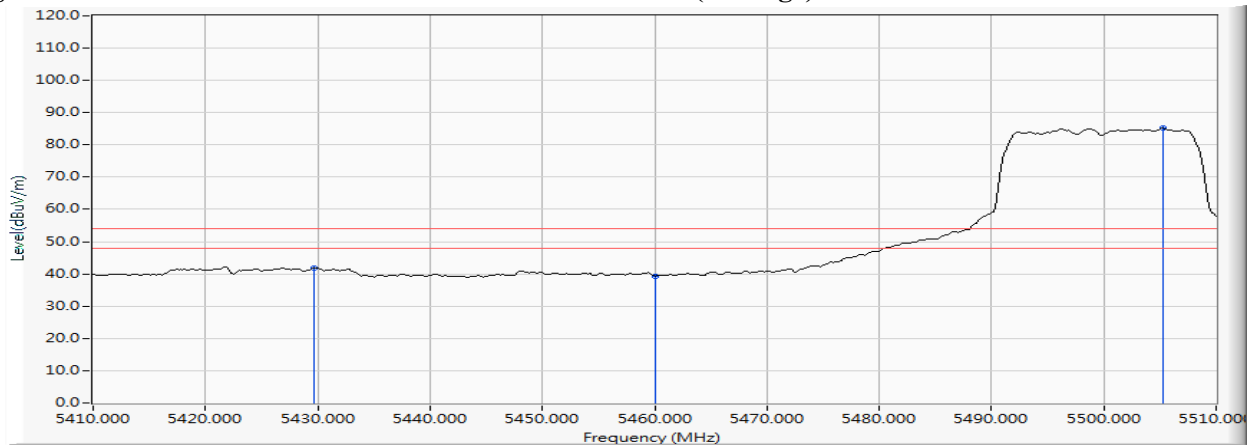
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5415.507	13.075	45.658	58.734	74.00	54.00	Pass
100 (Peak)	5460.000	13.390	42.137	55.527	74.00	54.00	Pass
100 (Peak)	5506.667	13.633	81.008	94.642	--	--	--
100 (Average)	5429.710	13.176	28.654	41.831	74.00	54.00	Pass
100 (Average)	5460.000	13.390	25.961	39.351	74.00	54.00	Pass
100 (Average)	5505.217	13.644	71.470	85.113	--	--	--

Figure Channel 100: Vertical (Peak)

Figure Channel 100: Vertical (Average)


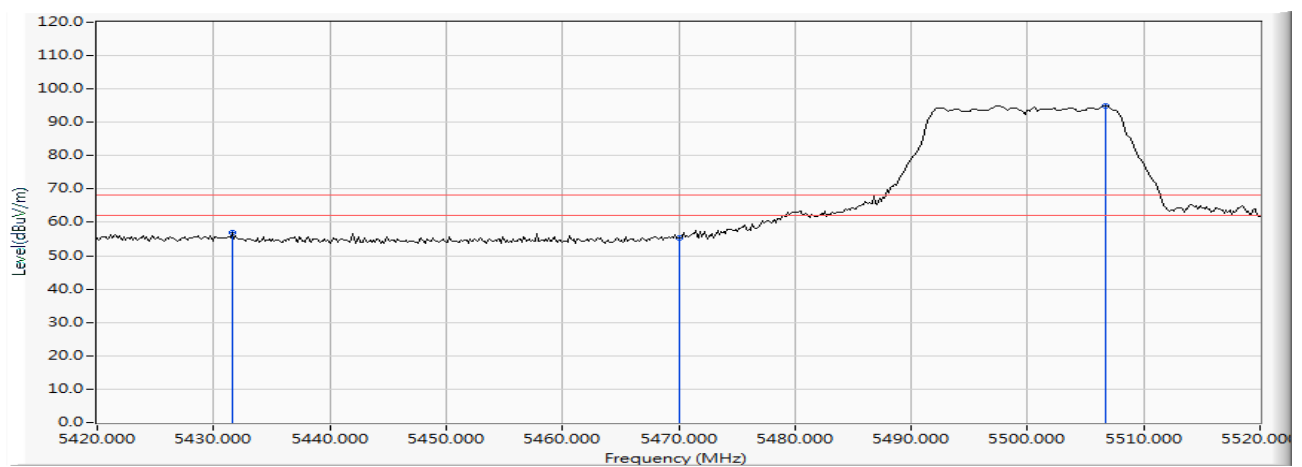
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

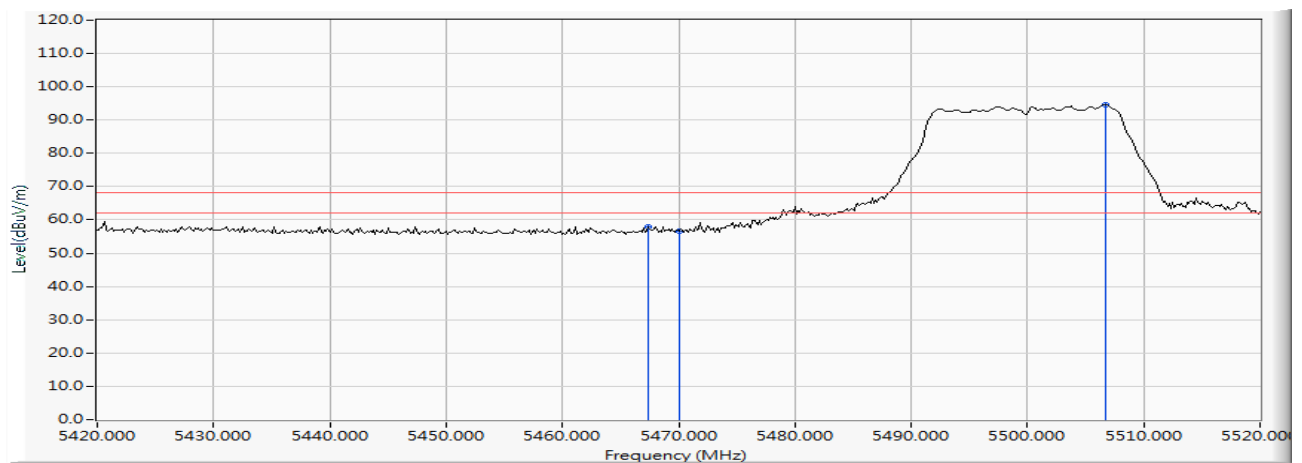
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5431.594	11.322	45.531	56.853	-11.367	68.220	Pass
Horizontal	5470.000	11.838	43.604	55.442	-12.778	68.220	Pass
Horizontal	5506.667	12.190	82.817	95.007	--	--	--



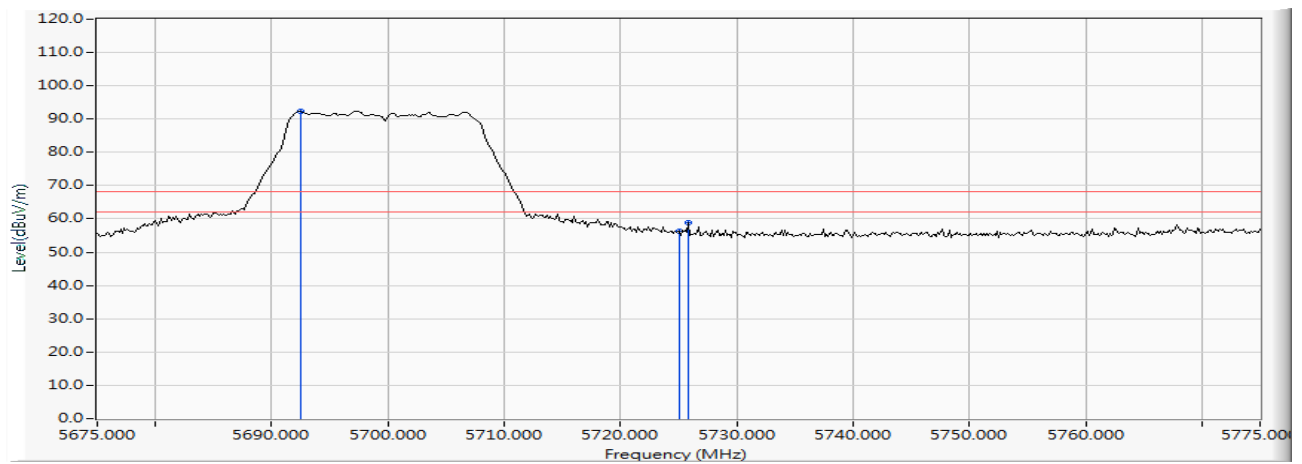
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Vertical	5467.391	13.444	44.556	57.999	-10.221	68.220	Pass
Vertical	5470.000	13.462	43.132	56.594	-11.626	68.220	Pass
Vertical	5506.667	13.633	80.973	94.607	--	--	--



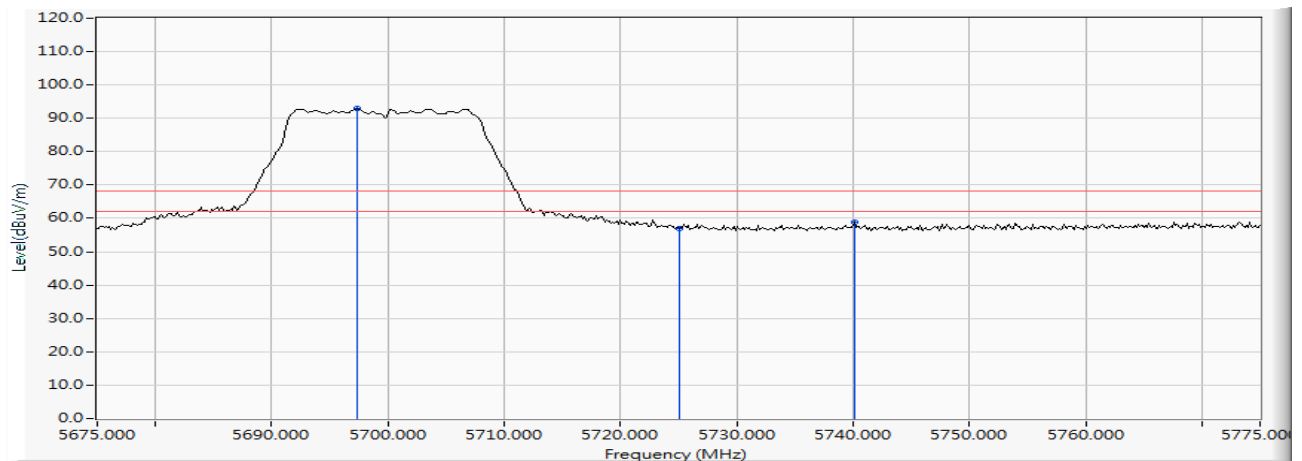
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5692.536	11.652	80.671	92.323	--	--	--
Horizontal	5725.000	11.592	44.743	56.335	-11.885	68.220	Pass
Horizontal	5725.870	11.589	47.194	58.783	-9.437	68.220	Pass



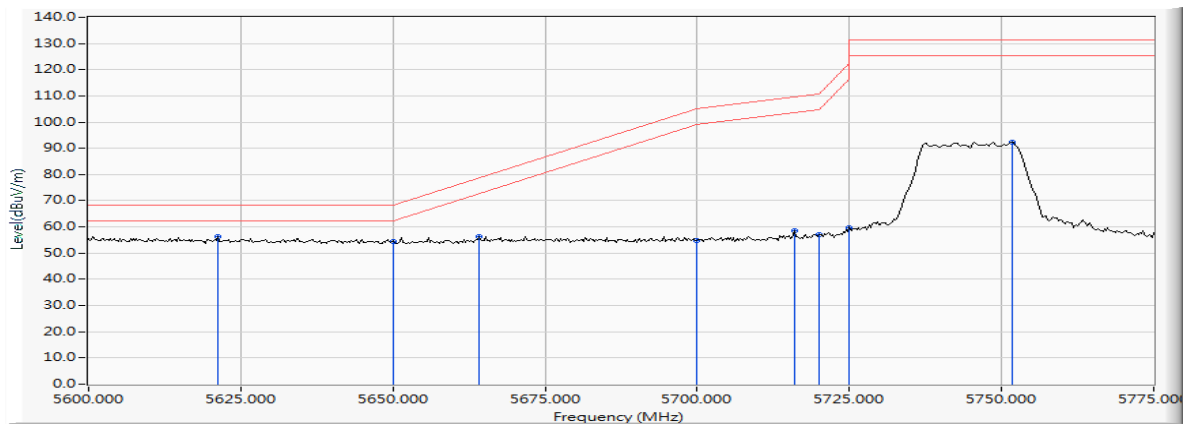
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Vertical	5697.319	13.008	79.811	92.819	--	--	--
Vertical	5725.000	12.930	43.921	56.851	-11.369	68.220	Pass
Vertical	5740.072	12.878	45.962	58.840	-9.380	68.220	Pass



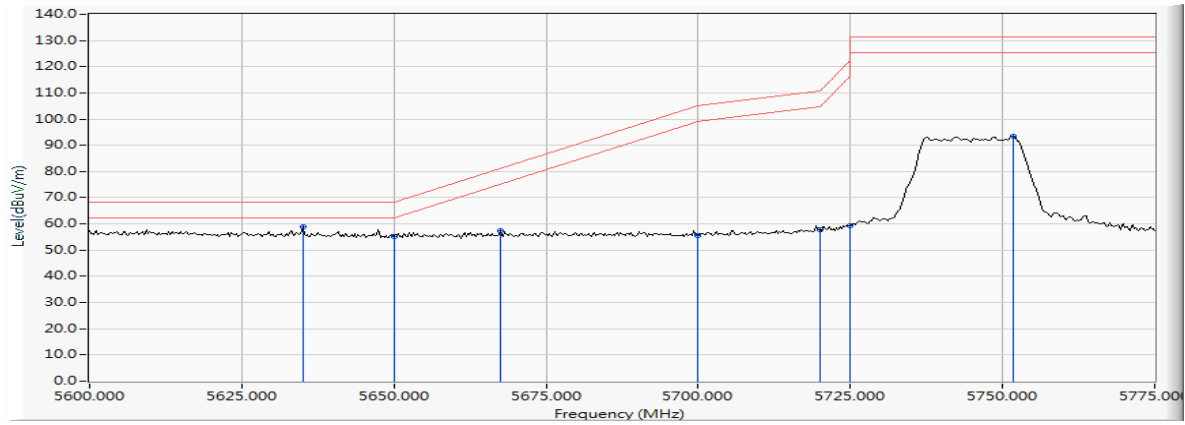
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5745MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5621.304	11.487	44.812	56.298	--	--	--
Horizontal	5650.000	11.554	43.056	54.611	-13.609	68.220	Pass
Horizontal	5664.167	11.589	44.882	56.471	-22.227	78.698	Pass
Horizontal	5700.000	11.647	43.173	54.820	-50.380	105.200	Pass
Horizontal	5715.906	11.620	46.799	58.419	-51.235	109.654	Pass
Horizontal	5720.000	11.607	45.302	56.909	-53.891	110.800	Pass
Horizontal	5725.000	11.592	48.100	59.692	-62.508	122.200	Pass
Horizontal	5751.667	11.507	80.803	92.310	-38.890	131.200	Pass



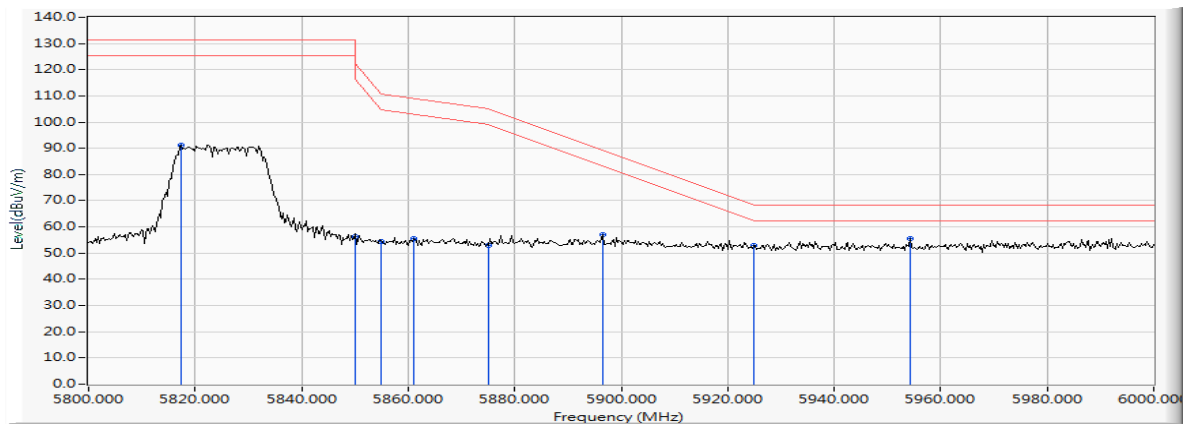
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Measure Level (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Result
Vertical	5635.000	13.033	45.710	58.743	--	--	--
Vertical	5650.000	13.029	42.276	55.305	-12.915	68.220	Pass
Vertical	5667.464	13.026	44.404	57.430	-23.706	81.136	Pass
Vertical	5700.000	13.003	42.656	55.659	-49.541	105.200	Pass
Vertical	5720.000	12.947	44.667	57.614	-53.186	110.800	Pass
Vertical	5725.000	12.930	46.316	59.246	-62.954	122.200	Pass
Vertical	5751.667	12.836	80.442	93.279	-37.921	131.200	Pass



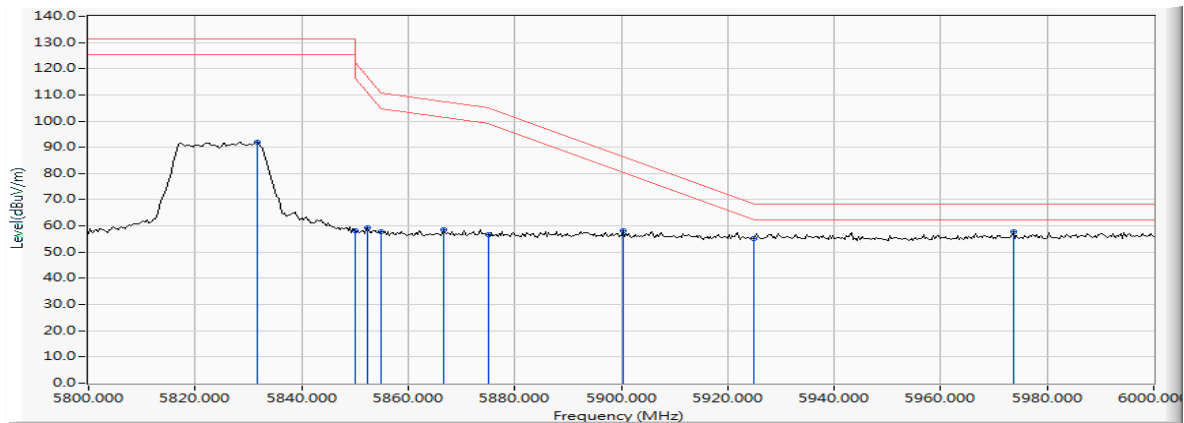
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5825MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5817.391	11.476	79.908	91.384	-39.816	131.200	Pass
Horizontal	5850.000	11.701	44.627	56.328	-65.872	122.200	Pass
Horizontal	5855.000	11.735	42.876	54.611	-56.189	110.800	Pass
Horizontal	5861.159	11.777	43.954	55.731	-53.344	109.075	Pass
Horizontal	5875.000	11.873	41.070	52.943	-52.257	105.200	Pass
Horizontal	5896.522	12.022	44.987	57.009	-32.265	89.274	Pass
Horizontal	5925.000	12.068	40.848	52.917	-15.283	68.200	Pass
Horizontal	5954.203	12.093	43.600	55.693	--	--	--



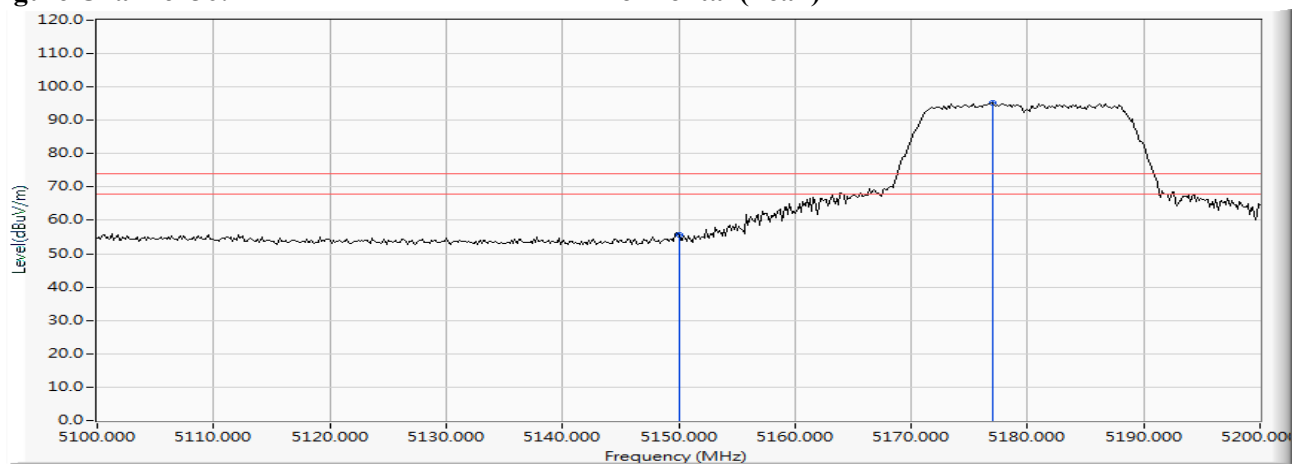
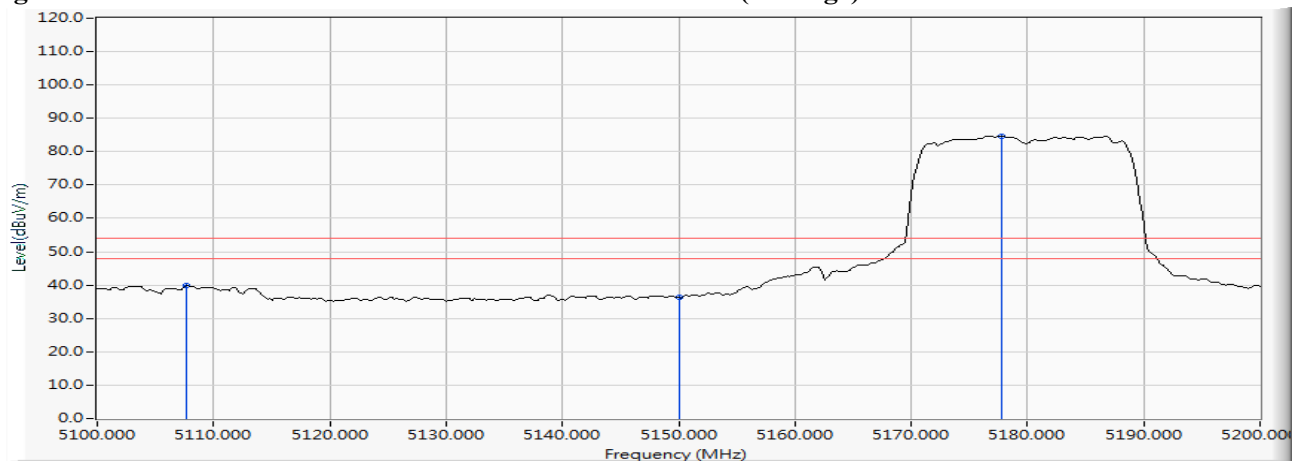
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Vertical	5831.594	12.735	79.253	91.988	-39.212	131.200	Pass
Vertical	5850.000	12.774	45.317	58.091	-64.109	122.200	Pass
Vertical	5852.464	12.779	46.711	59.490	-57.092	116.582	Pass
Vertical	5855.000	12.784	44.858	57.642	-53.158	110.800	Pass
Vertical	5866.667	12.808	45.688	58.496	-49.037	107.533	Pass
Vertical	5875.000	12.825	43.810	56.635	-48.565	105.200	Pass
Vertical	5900.290	12.877	45.360	58.237	-28.248	86.485	Pass
Vertical	5925.000	12.911	42.392	55.303	-12.897	68.200	Pass
Vertical	5973.623	12.977	44.882	57.858	--	--	--



Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5180MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
36 (Peak)	5150.000	10.470	45.323	55.794	74.00	54.00	Pass
36 (Peak)	5176.957	10.402	84.746	95.148	--	--	--
36 (Average)	5107.681	10.563	29.191	39.753	74.00	54.00	Pass
36 (Average)	5150.000	10.470	25.815	36.286	74.00	54.00	Pass
36 (Average)	5177.826	10.400	74.315	84.714	--	--	--

Figure Channel 36: Horizontal (Peak)**Figure Channel 36: Horizontal (Average)**

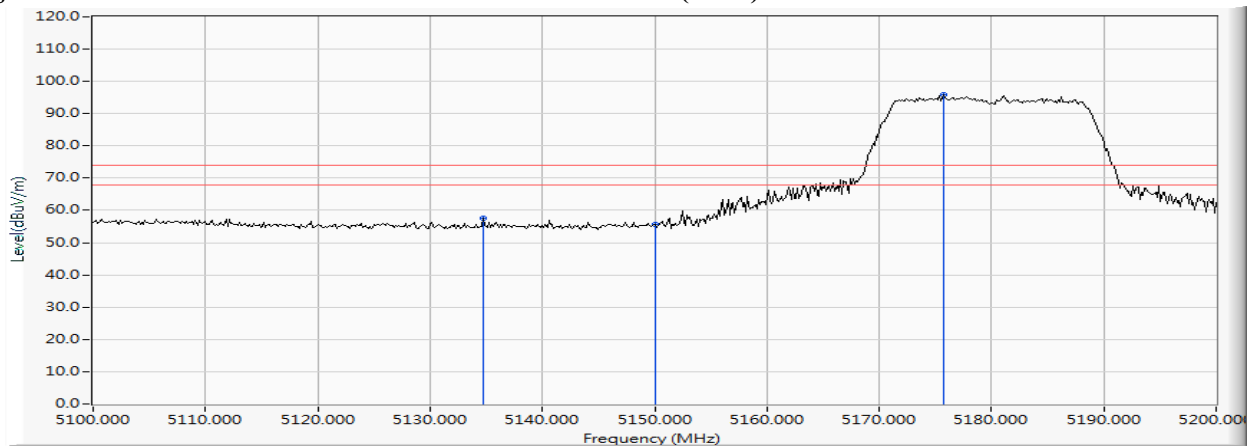
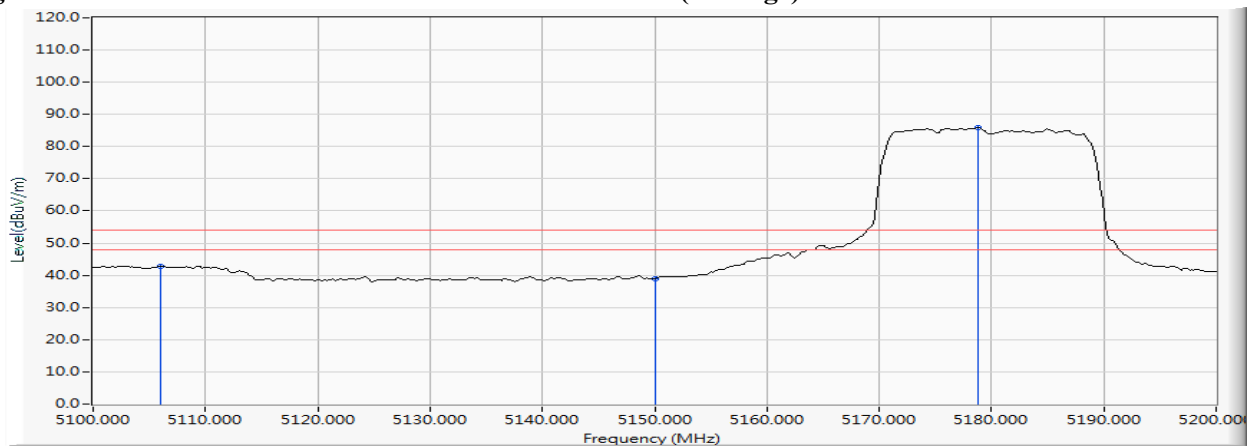
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5180MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
36 (Peak)	5134.783	12.332	45.191	57.523	74.00	54.00	Pass
36 (Peak)	5150.000	12.390	43.287	55.677	74.00	54.00	Pass
36 (Peak)	5175.797	12.486	83.466	95.952	--	--	--
36 (Average)	5105.942	12.234	30.691	42.925	74.00	54.00	Pass
36 (Average)	5150.000	12.390	26.519	38.909	74.00	54.00	Pass
36 (Average)	5178.841	12.498	73.448	85.945	--	--	--

Figure Channel 36: Vertical (Peak)**Figure Channel 36: Vertical (Average)**

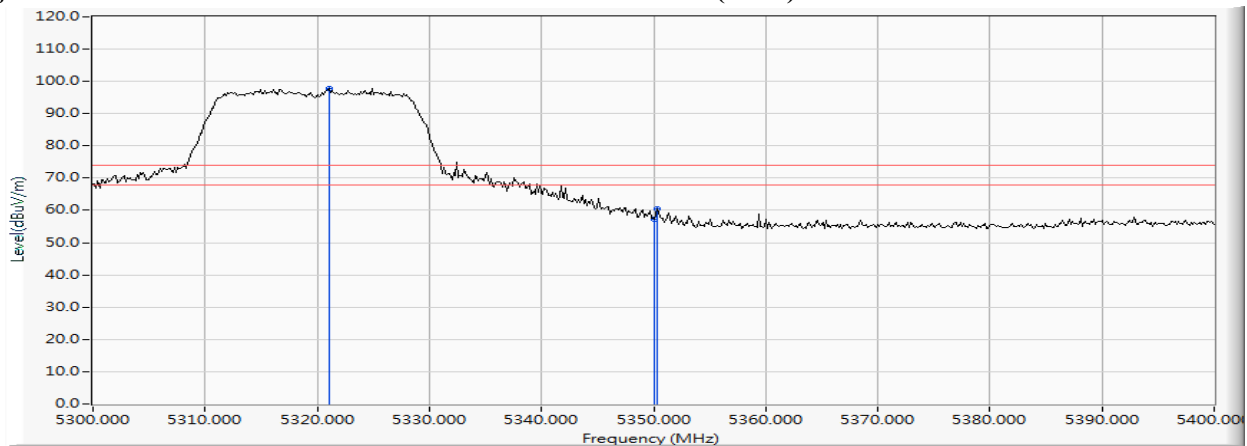
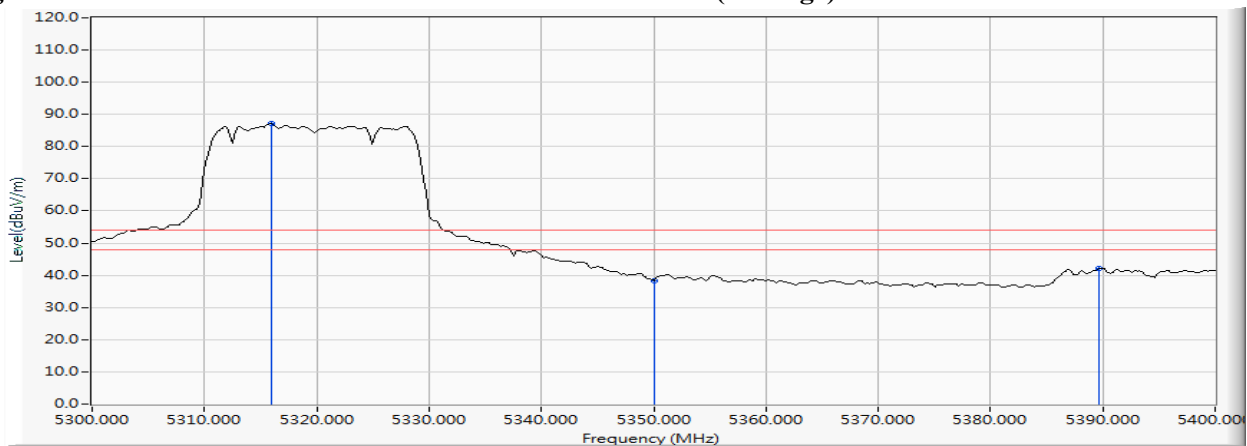
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
64 (Peak)	5321.014	11.099	86.676	97.774	--	--	--
64 (Peak)	5350.000	11.024	46.097	57.121	74.00	54.00	Pass
64 (Peak)	5350.290	11.023	49.504	60.528	74.00	54.00	Pass
64 (Average)	5315.942	11.111	76.045	87.156	--	--	--
64 (Average)	5350.000	11.024	27.404	38.428	74.00	54.00	Pass
64 (Average)	5389.710	10.930	31.152	42.082	74.00	54.00	Pass

Figure Channel 64: Horizontal (Peak)**Figure Channel 64: Horizontal (Average)**

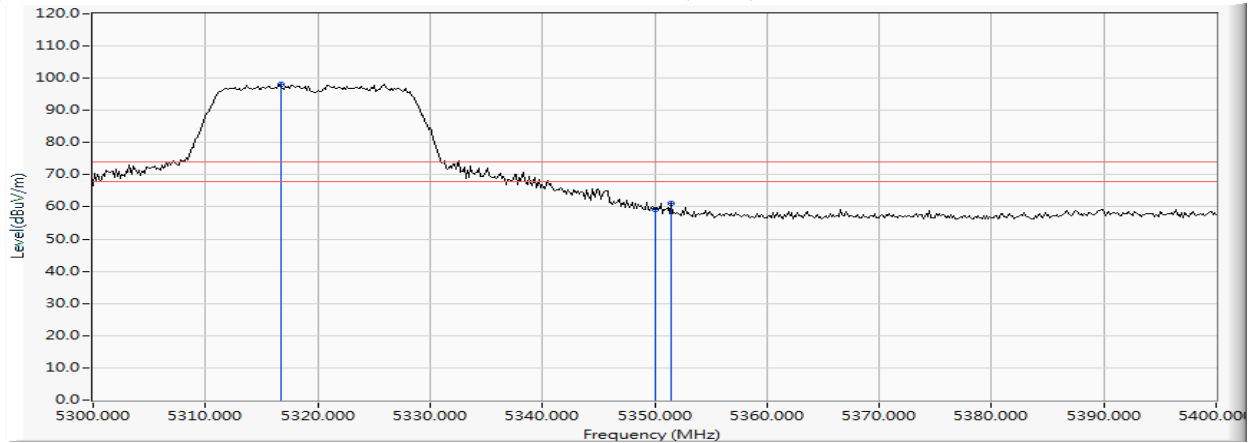
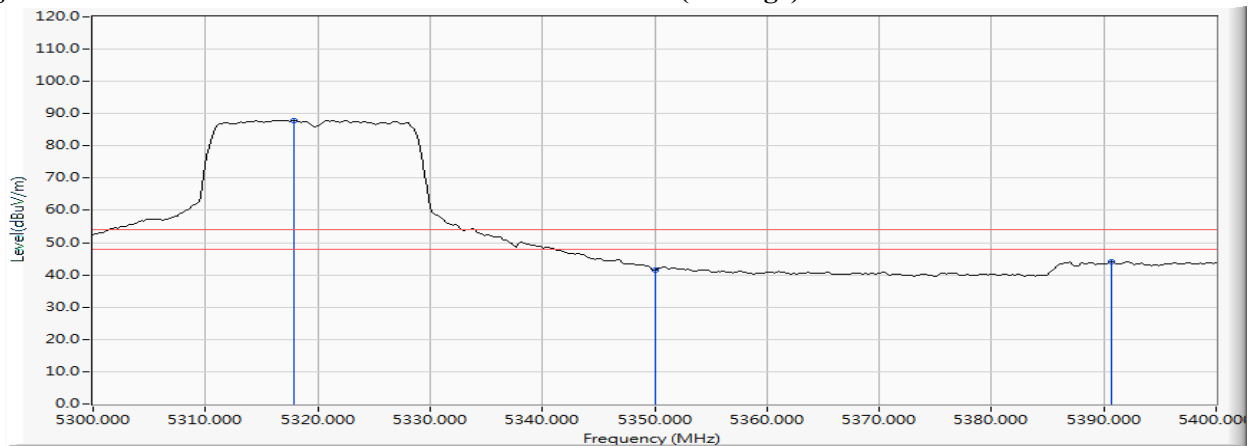
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5316.667	13.020	85.261	98.281	--	--	--
64 (Peak)	5350.000	12.999	46.245	59.244	74.00	54.00	Pass
64 (Peak)	5351.449	12.998	48.107	61.106	74.00	54.00	Pass
64 (Average)	5317.826	13.019	74.966	87.985	--	--	--
64 (Average)	5350.000	12.999	28.643	41.642	74.00	54.00	Pass
64 (Average)	5390.725	12.977	31.065	44.042	74.00	54.00	Pass

Figure Channel 64: Vertical (Peak)**Figure Channel 64: Vertical (Average)**

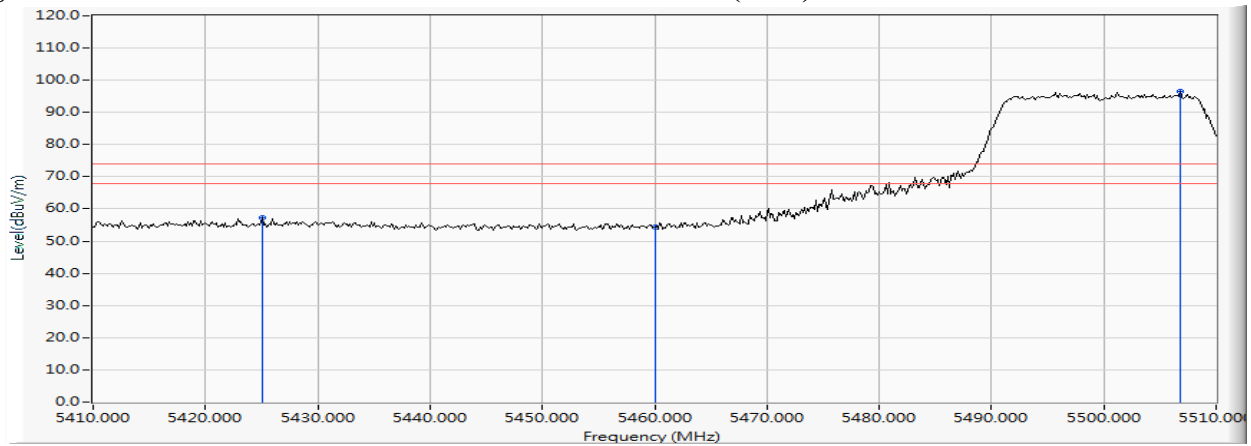
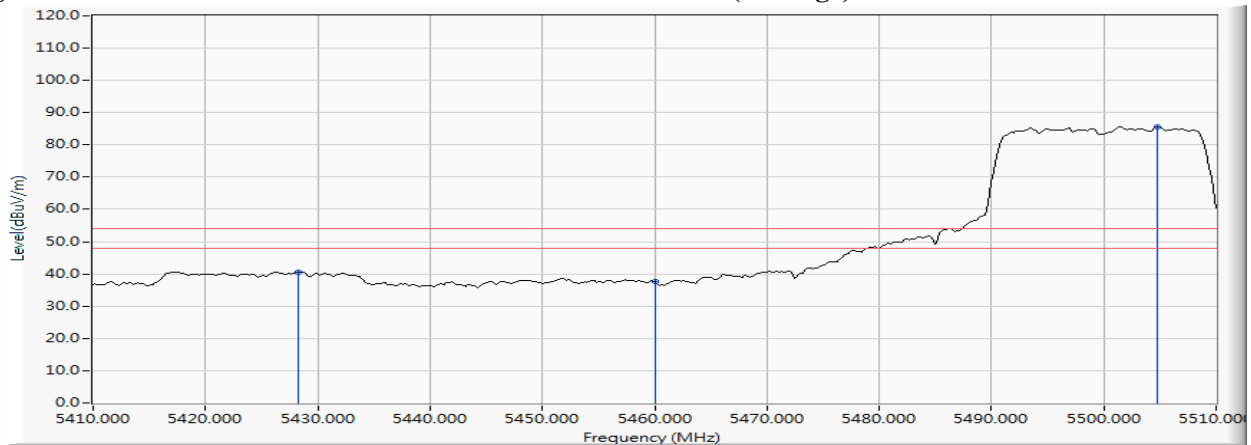
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5425.072	11.233	45.987	57.220	74.00	54.00	Pass
100 (Peak)	5460.000	11.703	42.662	54.365	74.00	54.00	Pass
100 (Peak)	5506.812	12.189	84.276	96.465	--	--	--
100 (Average)	5428.261	11.276	29.370	40.646	74.00	54.00	Pass
100 (Average)	5460.000	11.703	25.875	37.578	74.00	54.00	Pass
100 (Average)	5504.783	12.203	73.383	85.585	--	--	--

Figure Channel 100: Horizontal (Peak)**Figure Channel 100: Horizontal (Average)**

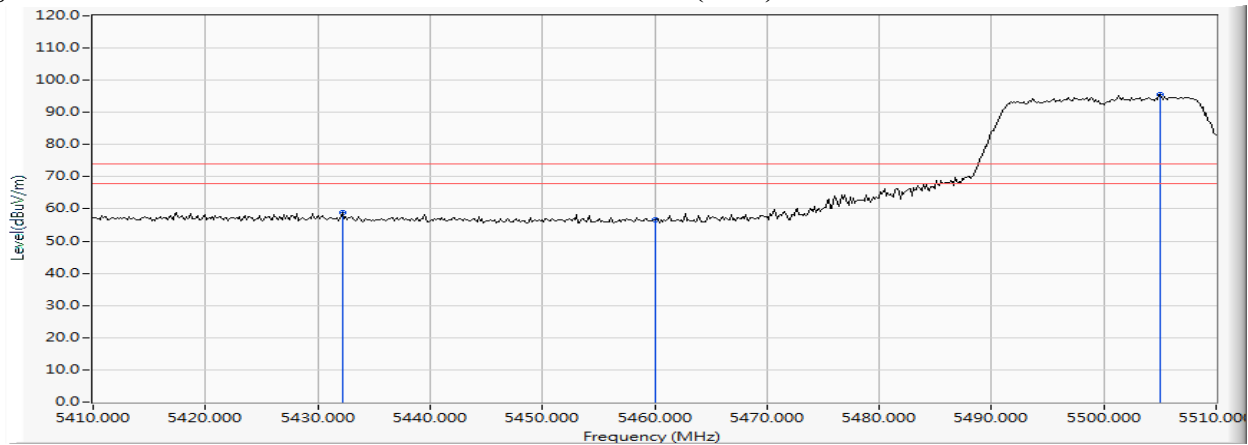
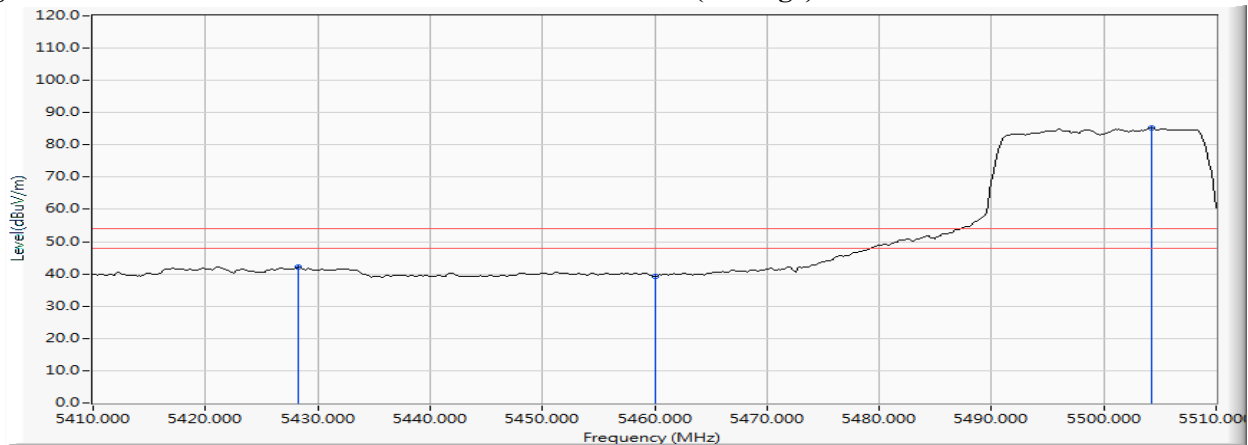
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
100 (Peak)	5432.174	13.195	45.652	58.846	74.00	54.00	Pass
100 (Peak)	5460.000	13.390	43.305	56.695	74.00	54.00	Pass
100 (Peak)	5505.072	13.645	81.918	95.562	--	--	--
100 (Average)	5428.261	13.166	28.873	42.039	74.00	54.00	Pass
100 (Average)	5460.000	13.390	25.886	39.276	74.00	54.00	Pass
100 (Average)	5504.203	13.642	71.611	85.253	--	--	--

Figure Channel 100: Vertical (Peak)**Figure Channel 100: Vertical (Average)**

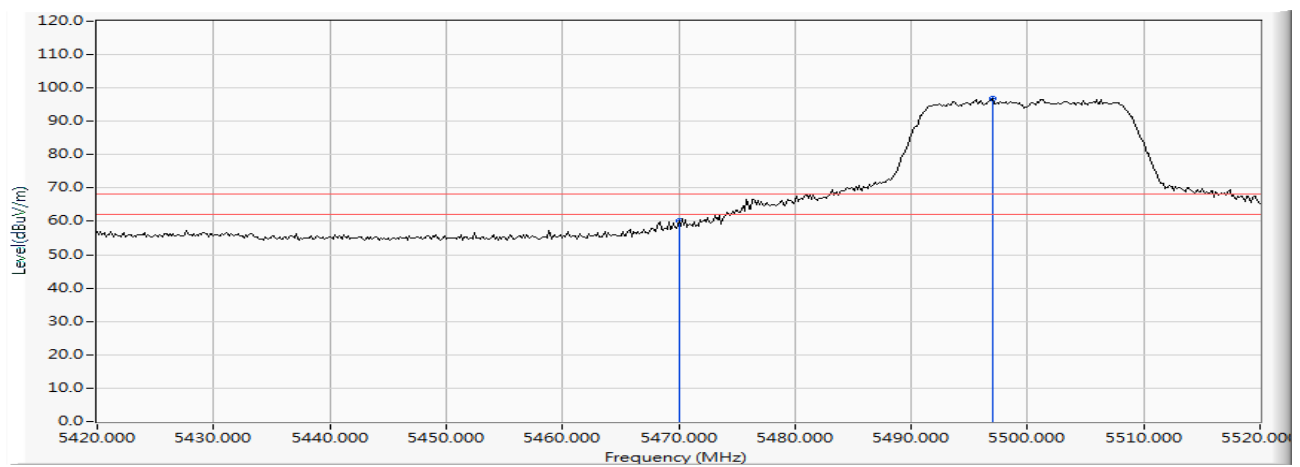
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

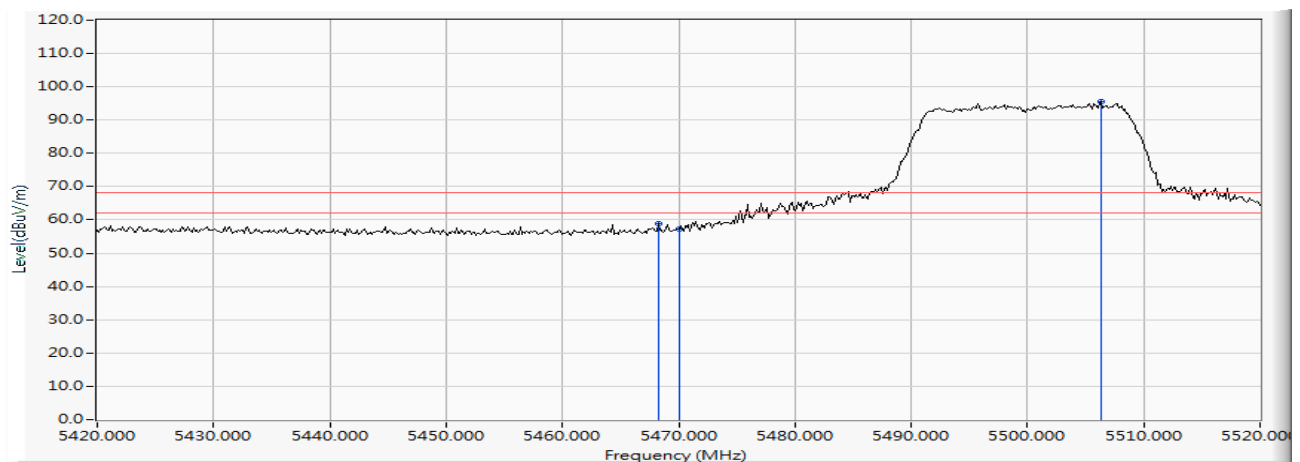
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5470.000	11.838	48.256	60.094	-8.126	68.220	Pass
Horizontal	5496.957	12.148	84.545	96.692	--	--	--



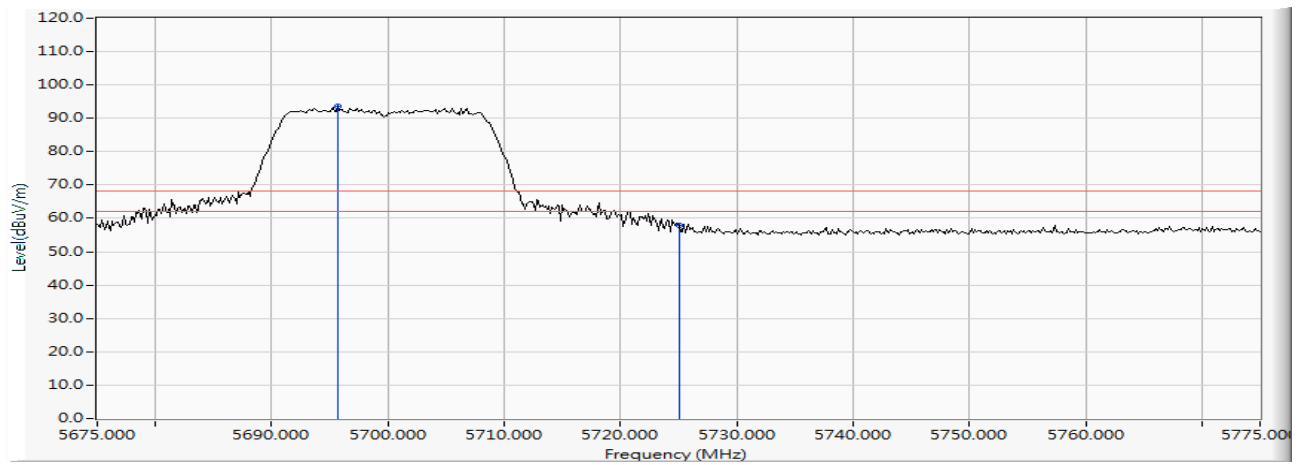
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Vertical	5468.261	13.449	45.386	58.835	-9.385	68.220	Pass
Vertical	5470.000	13.462	43.812	57.274	-10.946	68.220	Pass
Vertical	5506.377	13.636	81.857	95.493	--	--	--



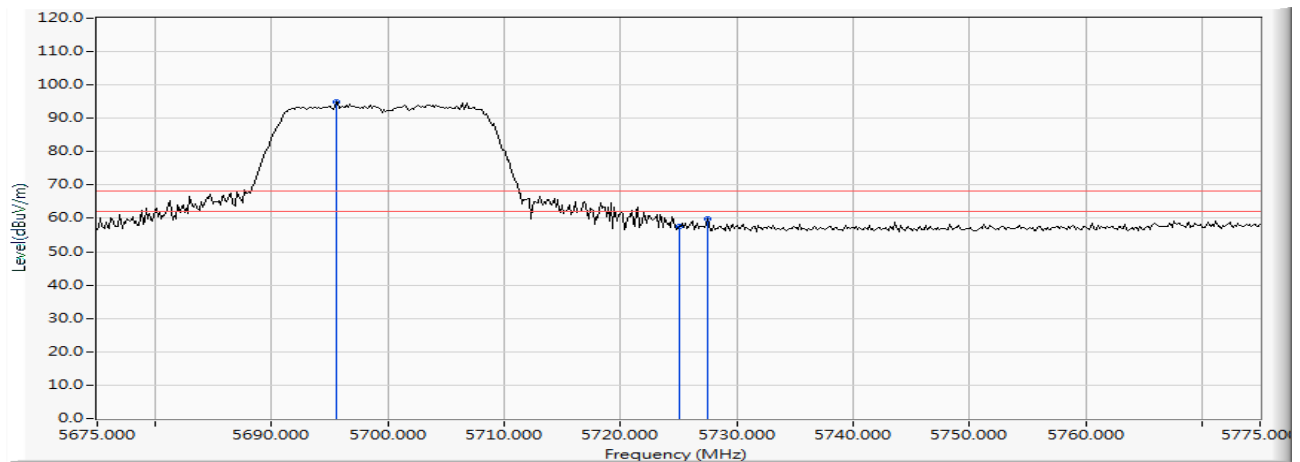
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5700MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5695.725	11.650	81.904	93.554	--	--	--
Horizontal	5725.000	11.592	46.419	58.011	-10.209	68.220	Pass



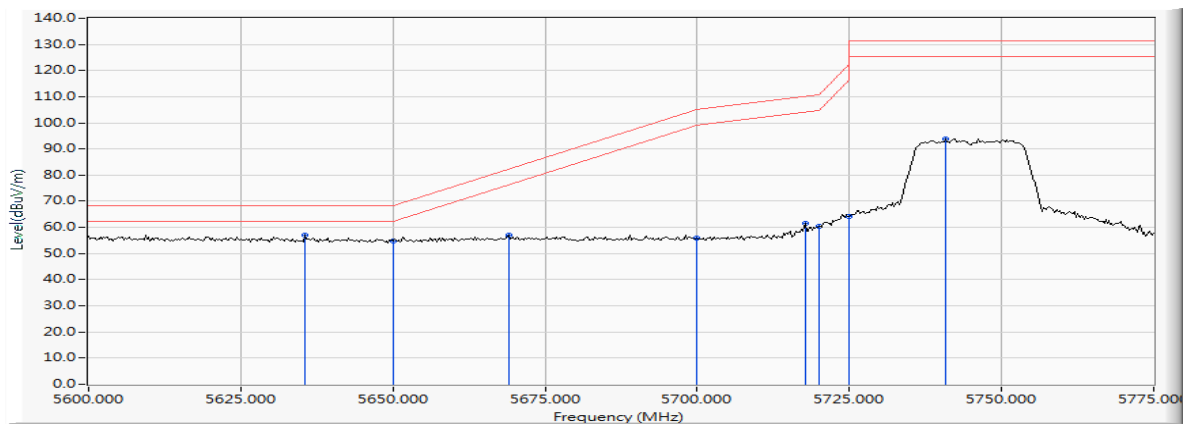
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Vertical	5695.580	13.011	81.739	94.751	--	--	--
Vertical	5725.000	12.930	44.793	57.723	-10.497	68.220	Pass
Vertical	5727.464	12.922	46.994	59.916	-8.304	68.220	Pass



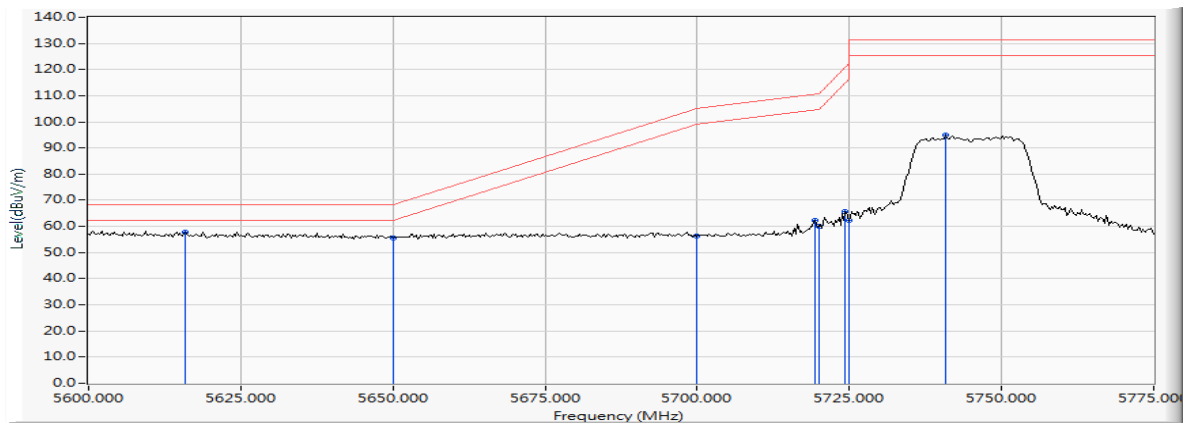
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5745MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5635.507	11.520	45.454	56.974	--	--	--
Horizontal	5650.000	34.274	43.333	54.888	-13.332	68.220	Pass
Horizontal	5668.986	34.312	45.581	57.181	-25.081	82.262	Pass
Horizontal	5700.000	34.347	44.179	55.826	-49.374	105.200	Pass
Horizontal	5717.681	34.307	49.980	61.594	-48.557	110.151	Pass
Horizontal	5720.000	34.299	48.713	60.320	-50.480	110.800	Pass
Horizontal	5725.000	34.282	52.501	64.093	-58.107	122.200	Pass
Horizontal	5740.761	34.225	82.207	93.749	-37.451	131.200	Pass



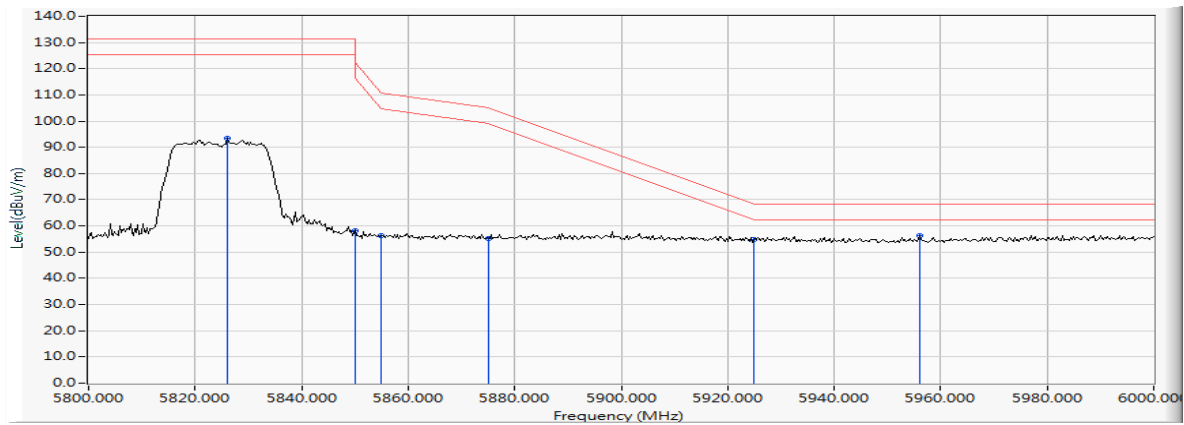
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Vertical	5615.978	13.037	44.871	57.908	--	--	--
Vertical	5650.000	13.029	42.587	55.616	-12.604	68.220	Pass
Vertical	5700.000	13.003	43.147	56.150	-49.050	105.200	Pass
Vertical	5719.457	12.950	49.369	62.318	-48.330	110.648	Pass
Vertical	5720.000	12.947	47.147	60.094	-50.706	110.800	Pass
Vertical	5724.275	12.933	52.706	65.639	-54.908	120.547	Pass
Vertical	5725.000	12.930	49.459	62.389	-59.811	122.200	Pass
Vertical	5740.761	12.876	82.012	94.888	-36.312	131.200	Pass



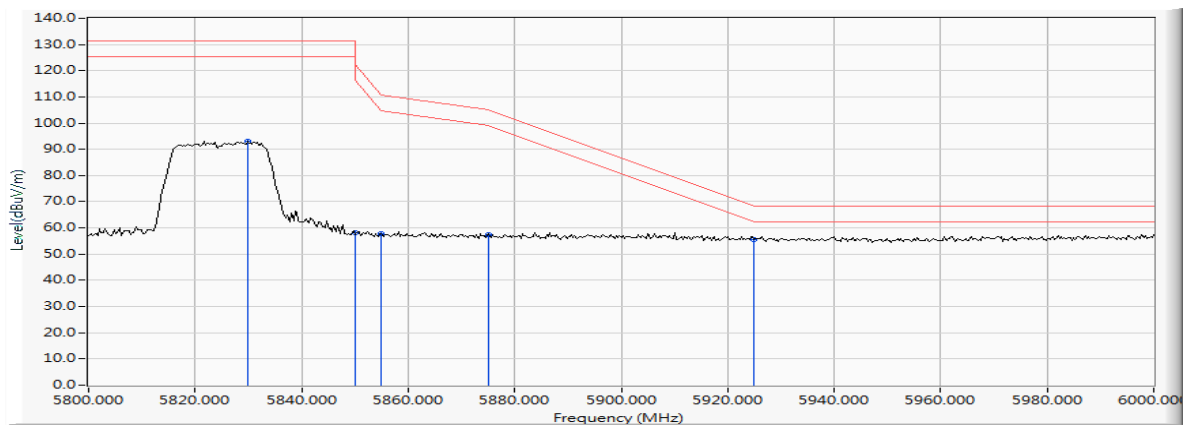
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5825MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5826.087	11.535	81.775	93.310	-37.890	131.200	Pass
Horizontal	5850.000	11.701	46.460	58.161	-64.039	122.200	Pass
Horizontal	5855.000	11.735	44.450	56.185	-54.615	110.800	Pass
Horizontal	5875.000	11.873	43.332	55.205	-49.995	105.200	Pass
Horizontal	5925.000	12.068	42.763	54.832	-13.368	68.200	Pass
Horizontal	5955.942	12.094	44.392	56.486	--	--	--



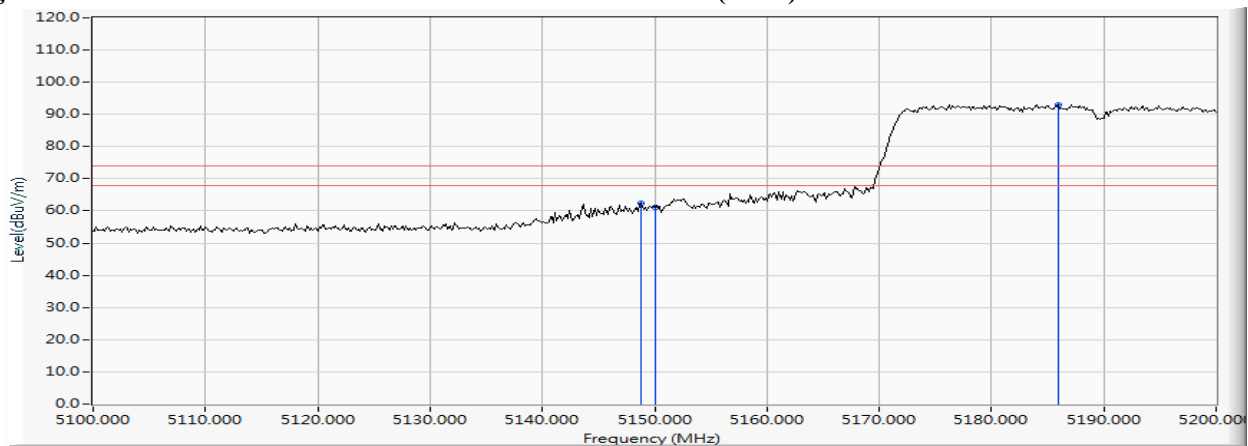
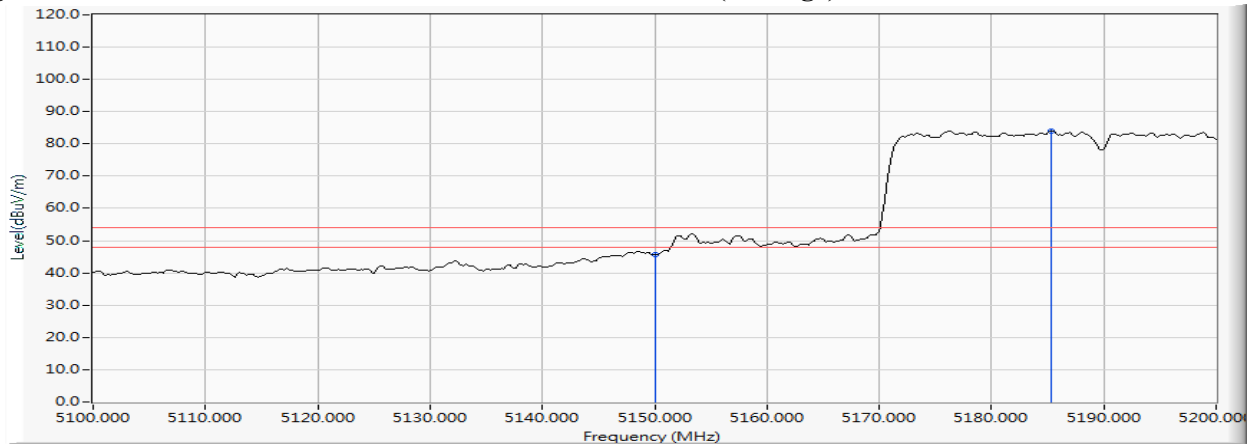
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5829.855	12.732	80.422	93.153	-38.047	131.200	Pass
Vertical	5850.000	12.774	45.471	58.245	-63.955	122.200	Pass
Vertical	5855.000	12.784	44.872	57.656	-53.144	110.800	Pass
Vertical	5875.000	12.825	44.703	57.528	-47.672	105.200	Pass
Vertical	5925.000	12.911	42.589	55.500	--	--	--



Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5190MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
38 (Peak)	5148.841	10.474	51.924	62.398	74.00	54.00	Pass
38 (Peak)	5150.000	10.470	50.708	61.179	74.00	54.00	Pass
38 (Peak)	5185.942	10.379	82.696	93.075	--	--	--
38 (Average)	5150.000	10.470	35.066	45.537	74.00	54.00	Pass
38 (Average)	5185.362	10.379	73.504	83.884	--	--	--

Figure Channel 38: Horizontal (Peak)**Figure Channel 38: Horizontal (Average)**

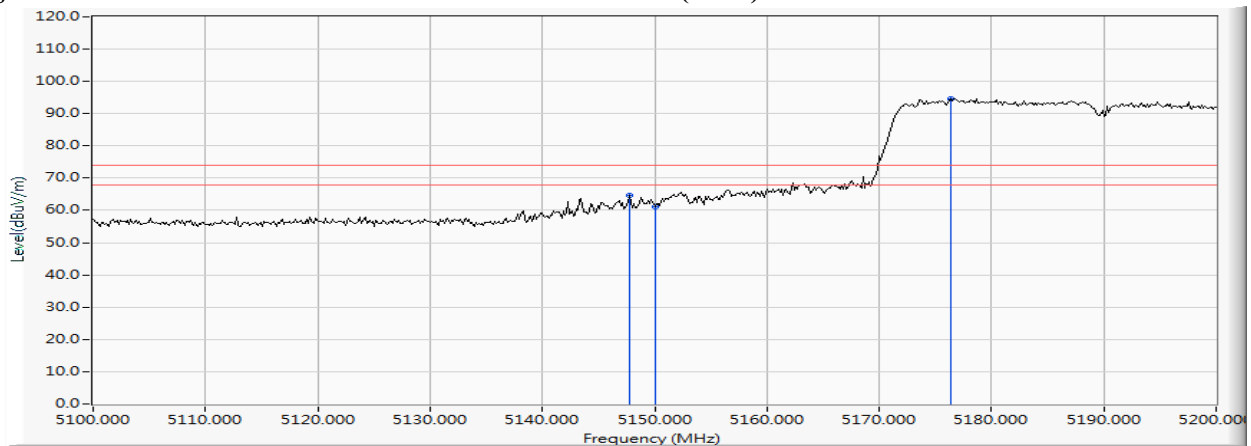
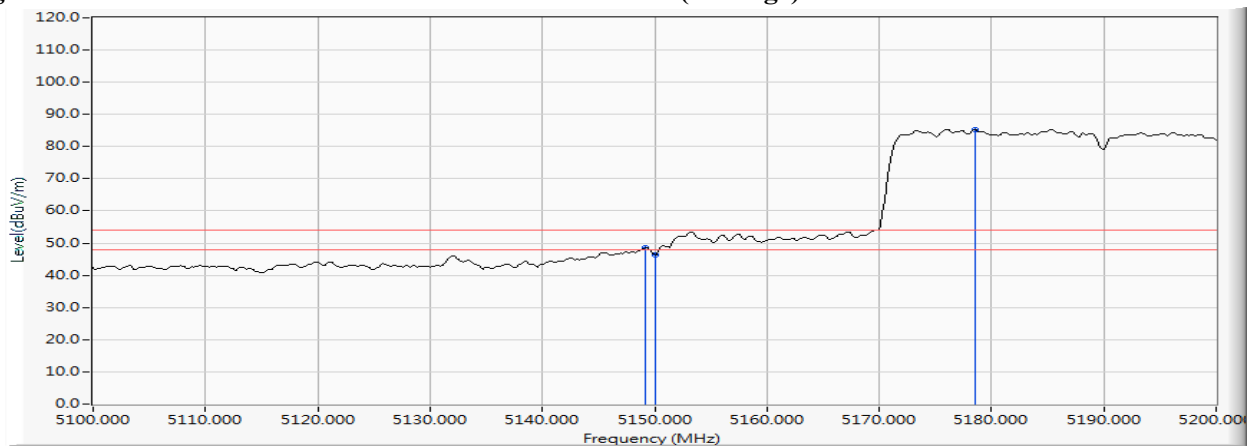
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5190MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
38 (Peak)	5147.826	12.382	52.256	64.638	74.00	54.00	Pass
38 (Peak)	5150.000	12.390	48.693	61.083	74.00	54.00	Pass
38 (Peak)	5176.377	12.489	82.130	94.618	--	--	--
38 (Average)	5149.130	12.387	36.121	48.508	74.00	54.00	Pass
38 (Average)	5150.000	12.390	34.015	46.405	74.00	54.00	Pass
38 (Average)	5178.551	12.496	72.793	85.289	--	--	--

Figure Channel 38: Vertical (Peak)

Figure Channel 38: Vertical (Average)


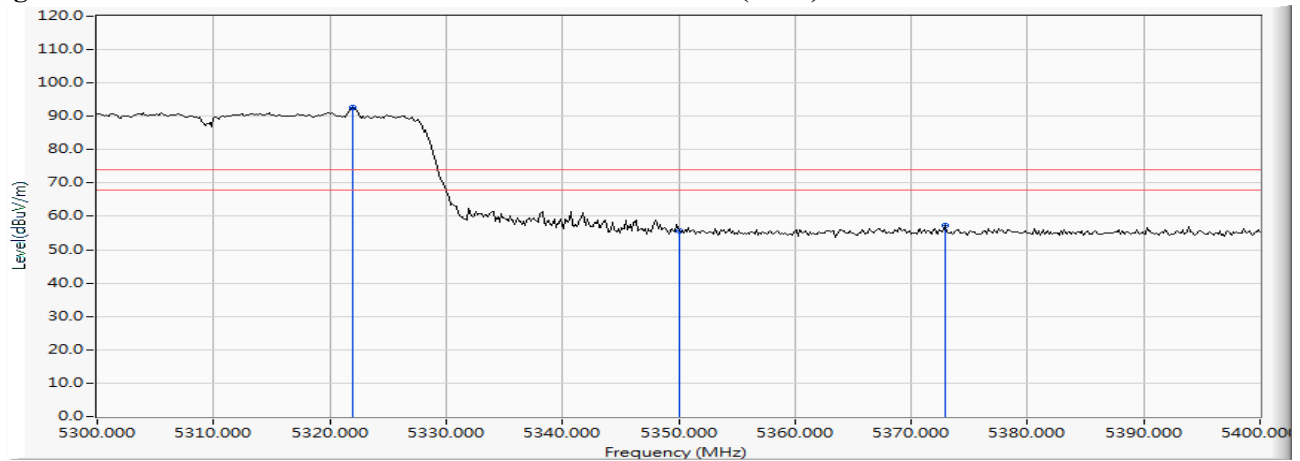
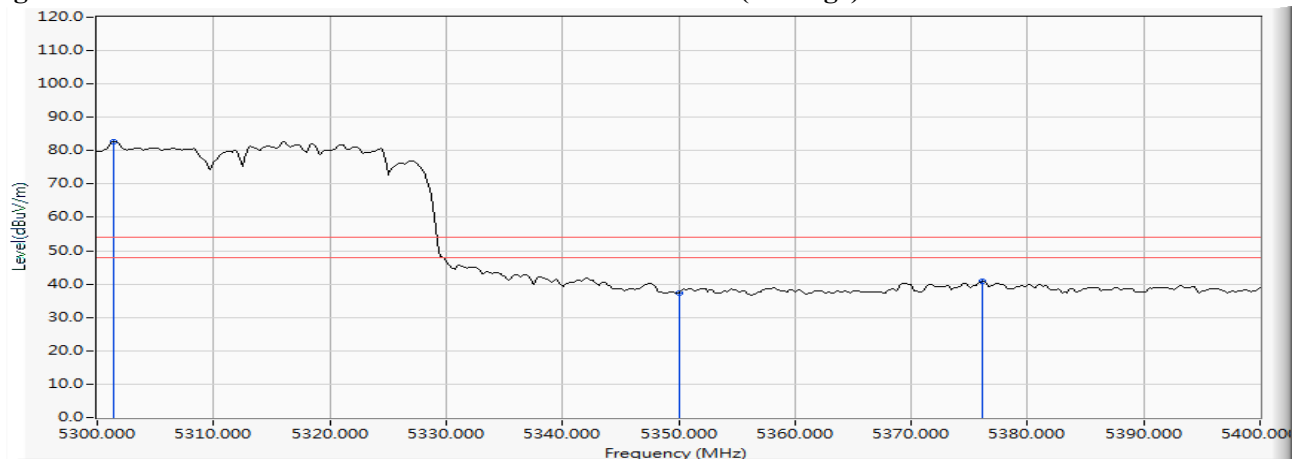
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
62 (Peak)	5322.029	11.096	81.502	92.598	--	--	--
62 (Peak)	5350.000	11.024	44.534	55.558	74.00	54.00	Pass
62 (Peak)	5372.899	10.964	46.324	57.288	74.00	54.00	Pass
62 (Average)	5301.449	11.147	71.656	82.804	--	--	--
62 (Average)	5350.000	11.024	26.234	37.258	74.00	54.00	Pass
62 (Average)	5376.087	10.955	29.944	40.899	74.00	54.00	Pass

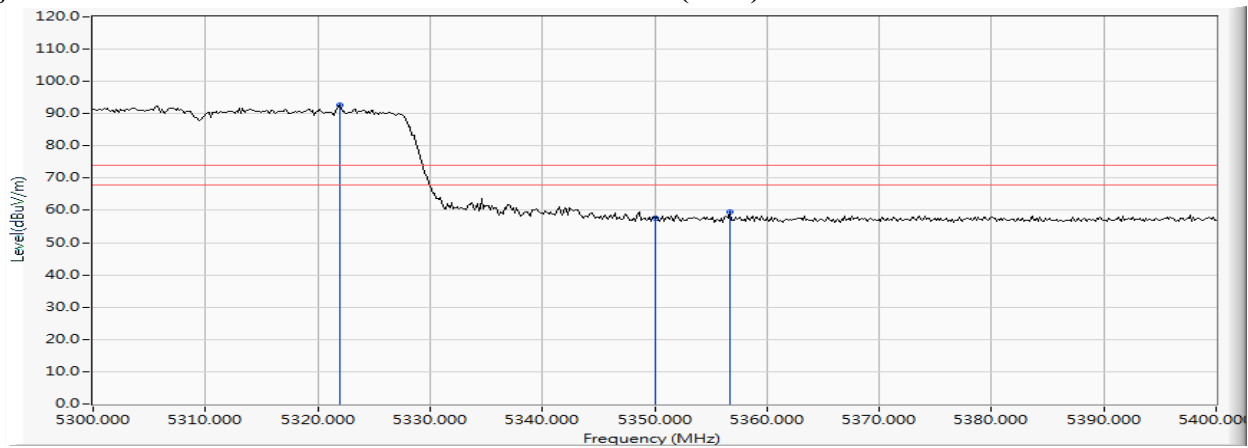
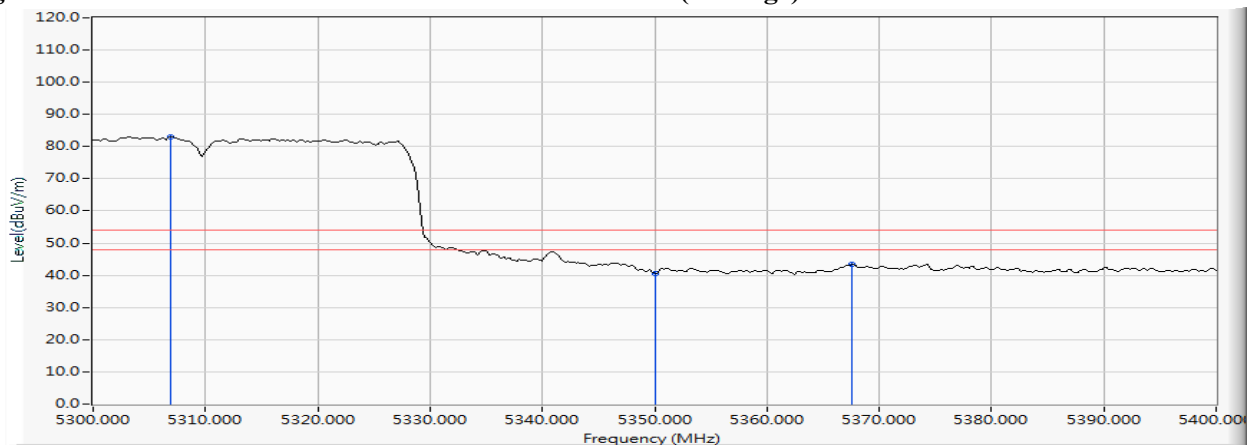
Figure Channel 62: Horizontal (Peak)**Figure Channel 62: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5322.029	13.016	79.684	92.700	--	--	--
62 (Peak)	5350.000	12.999	44.598	57.597	74.00	54.00	Pass
62 (Peak)	5356.667	12.994	46.468	59.462	74.00	54.00	Pass
62 (Average)	5306.957	13.026	70.042	83.068	--	--	--
62 (Average)	5350.000	12.999	27.665	40.664	74.00	54.00	Pass
62 (Average)	5367.536	12.985	30.330	43.315	74.00	54.00	Pass

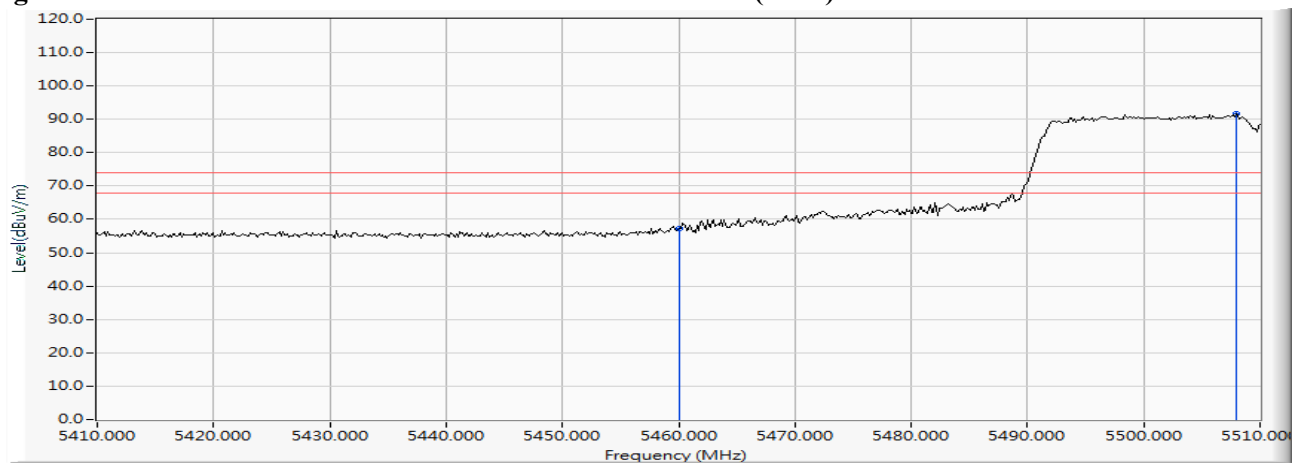
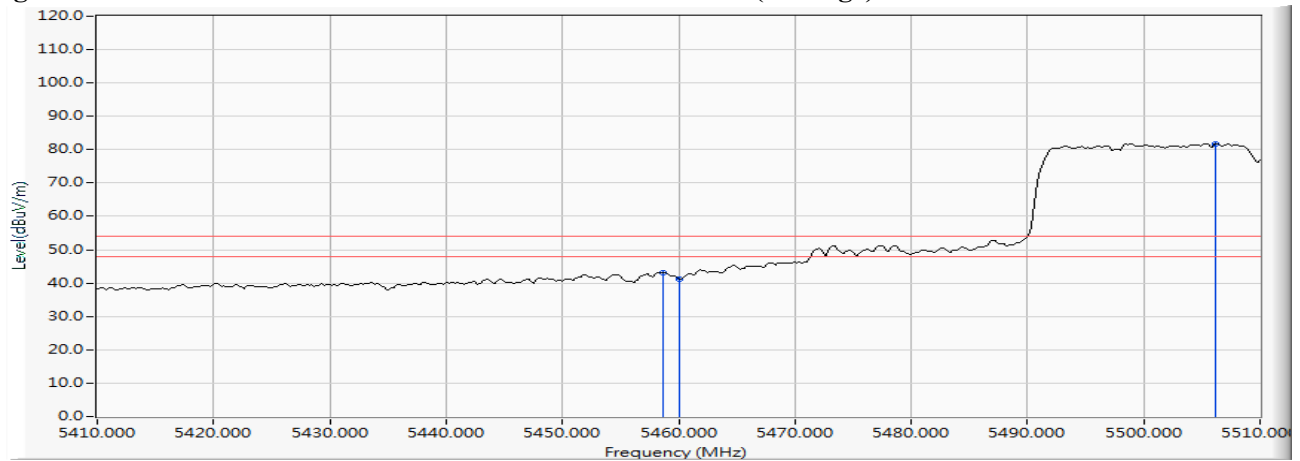
Figure Channel 62: Vertical (Peak)**Figure Channel 62: Vertical (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5460.000	11.703	45.640	57.343	74.00	54.00	Pass
102 (Peak)	5507.971	12.179	79.382	91.562	--	--	--
102 (Average)	5458.696	11.685	31.486	43.171	74.00	54.00	Pass
102 (Average)	5460.000	11.703	29.582	41.285	74.00	54.00	Pass
102 (Average)	5506.232	12.193	69.554	81.748	--	--	--

Figure Channel 102: Horizontal (Peak)**Figure Channel 102: Horizontal (Average)**

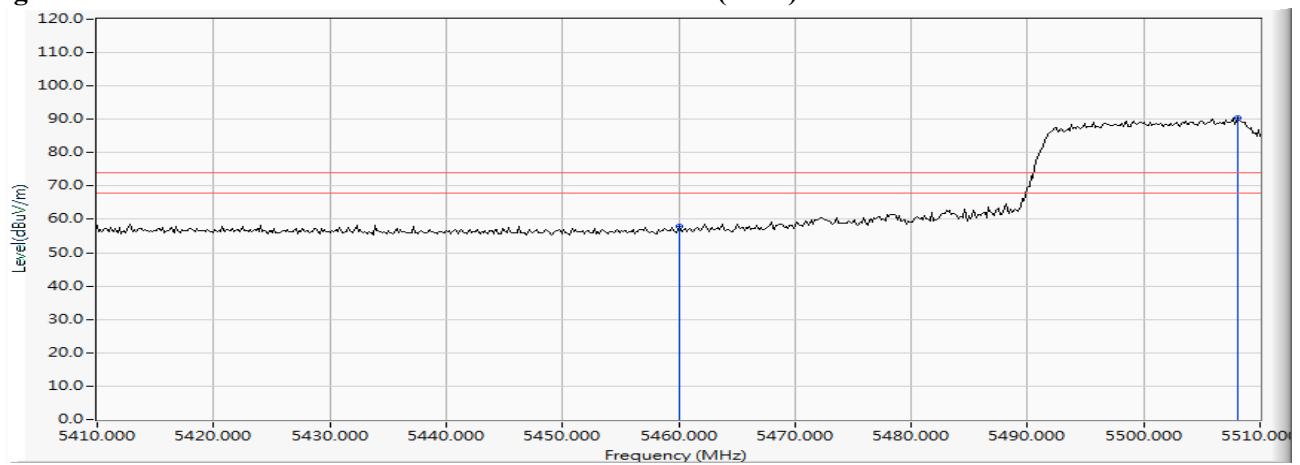
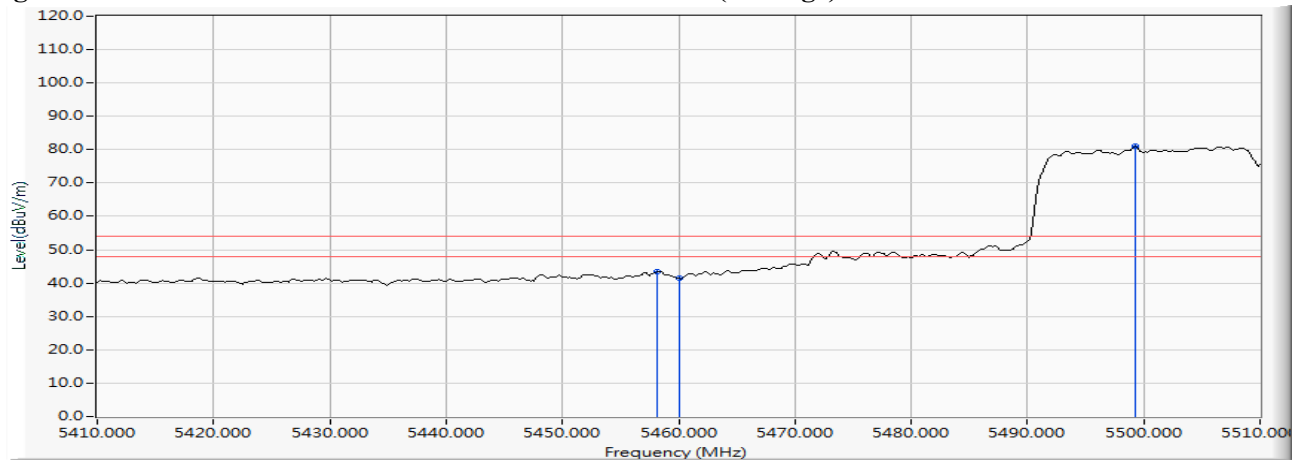
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
102 (Peak)	5460.000	13.390	44.441	57.831	74.00	54.00	Pass
102 (Peak)	5508.116	13.625	76.706	90.331	--	--	--
102 (Average)	5458.116	13.376	30.104	43.480	74.00	54.00	Pass
102 (Average)	5460.000	13.390	27.989	41.379	74.00	54.00	Pass
102 (Average)	5499.275	13.627	67.348	80.975	--	--	--

Figure Channel 102: Vertical (Peak)**Figure Channel 102: Vertical (Average)**

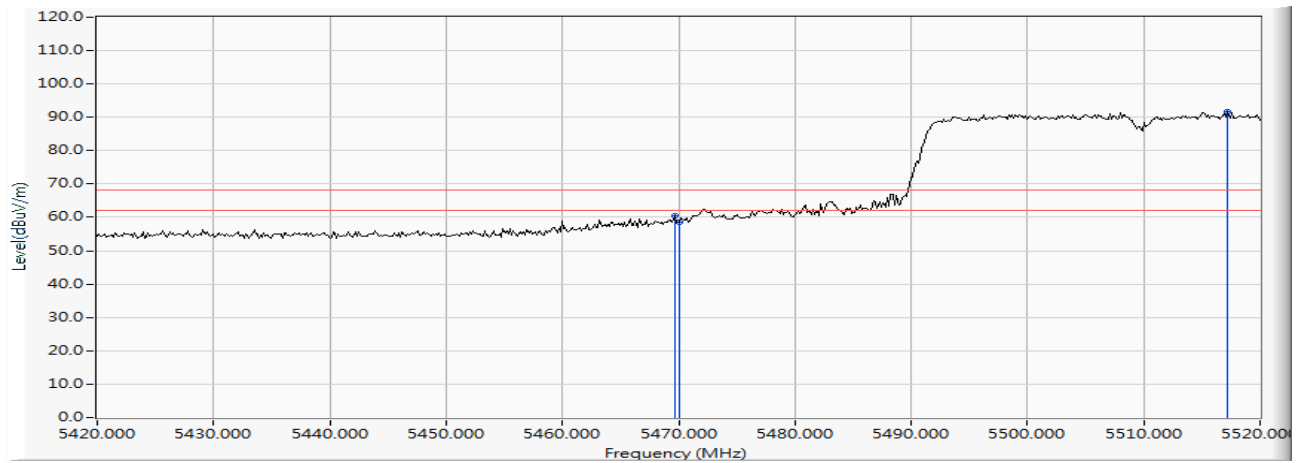
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

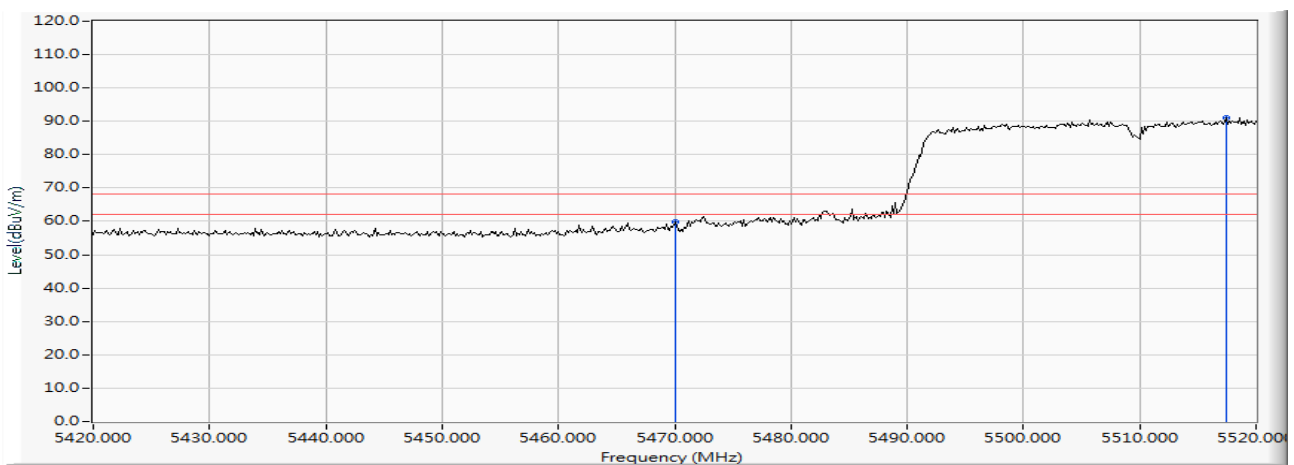
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Measure Level (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Result
Horizontal	5469.710	11.834	48.774	60.609	-7.611	68.220	Pass
Horizontal	5470.000	11.838	46.607	58.445	-9.775	68.220	Pass
Horizontal	5517.246	12.104	79.516	91.621	--	--	--



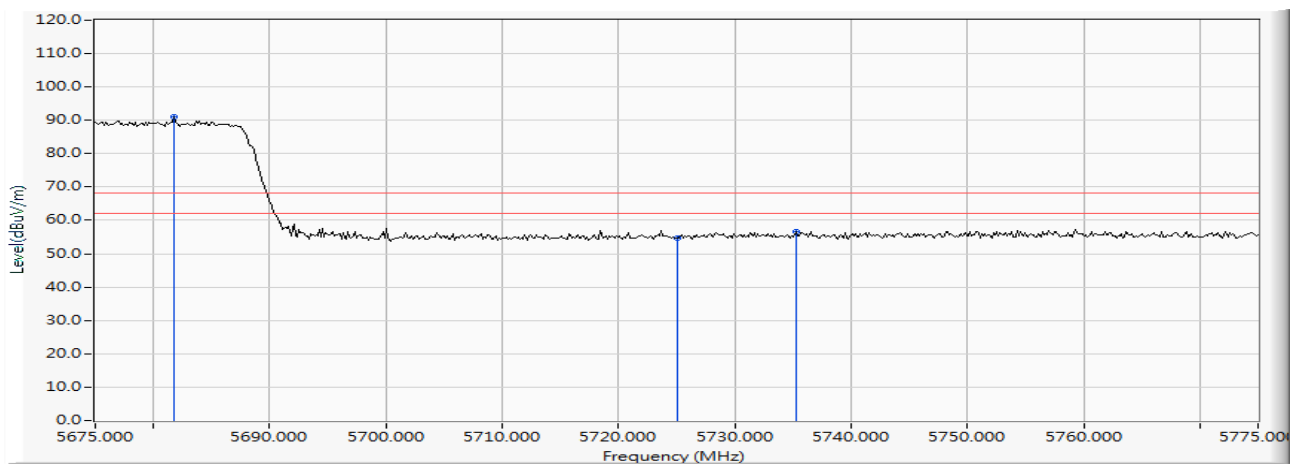
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5470.000	13.462	46.223	59.685	-8.535	68.220	Pass
Vertical	5517.391	13.565	77.561	91.126	--	--	--



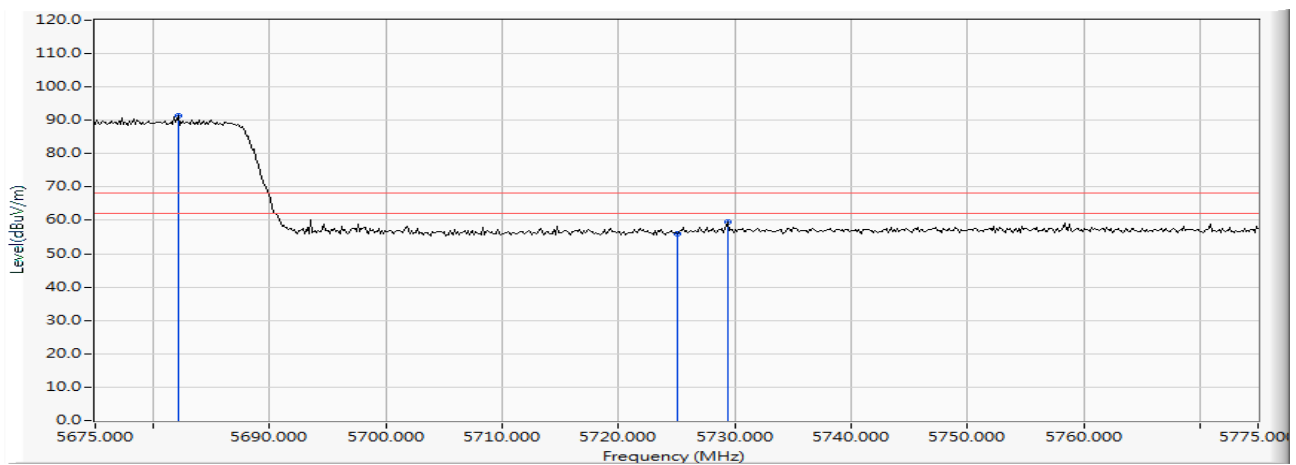
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5670MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Measure Level (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Result
Horizontal	5681.812	11.628	79.320	90.949	--	--	--
Horizontal	5725.000	11.592	43.101	54.693	-13.527	68.220	Pass
Horizontal	5735.290	11.559	44.915	56.474	-11.746	68.220	Pass



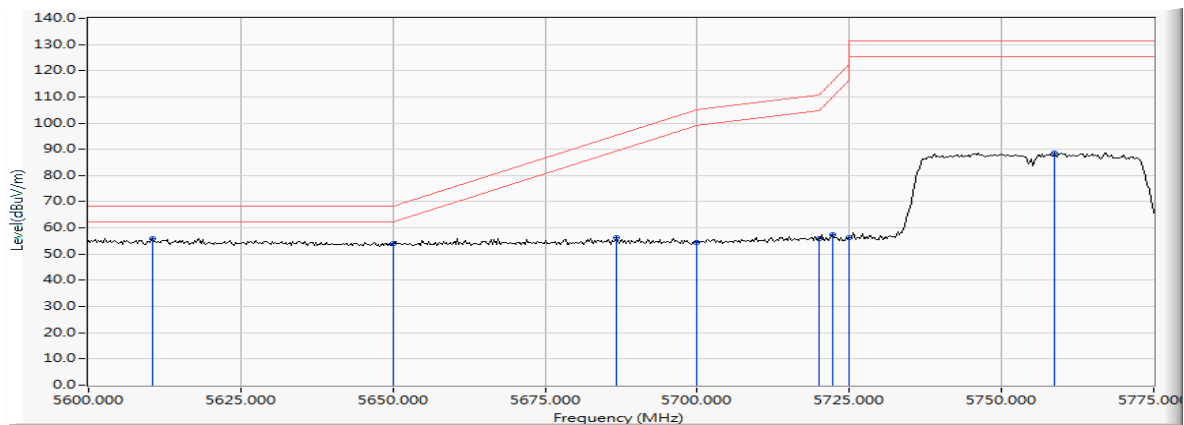
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Measure Level (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Result
Vertical	5682.101	13.022	78.269	91.290	--	--	--
Vertical	5725.000	12.930	42.927	55.857	-12.363	68.220	Pass
Vertical	5729.348	12.915	46.461	59.376	-8.844	68.220	Pass



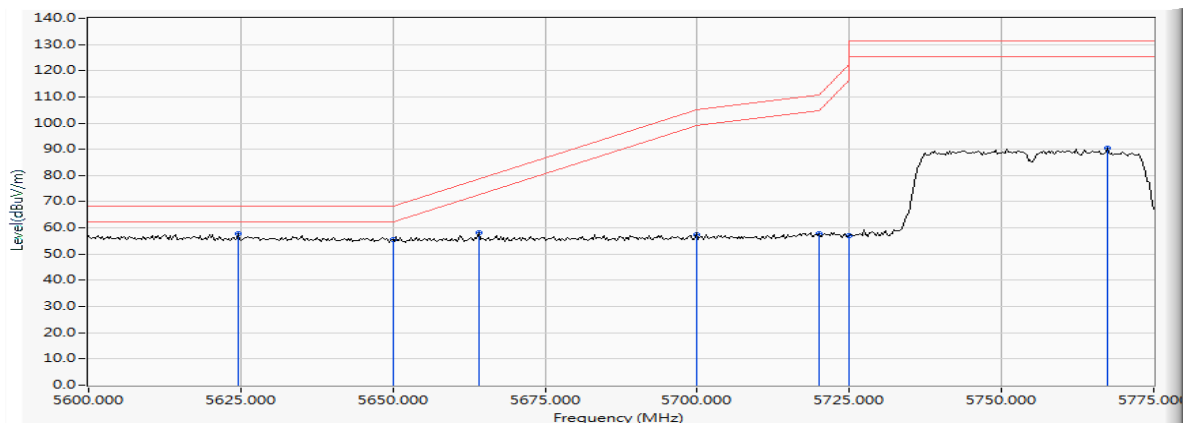
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5755MHz)

RF Radiated Measurement :

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5610.399	34.198	44.487	55.948	--	--	--
Horizontal	5650.000	34.274	42.579	54.134	-14.086	68.220	Pass
Horizontal	5686.739	11.641	44.758	56.398	-38.994	95.392	Pass
Horizontal	5700.000	34.347	42.867	54.514	-50.686	105.200	Pass
Horizontal	5720.000	34.299	44.344	55.951	-54.849	110.800	Pass
Horizontal	5722.246	34.291	45.652	57.252	-58.669	115.921	Pass
Horizontal	5725.000	34.282	44.662	56.254	-65.946	122.200	Pass
Horizontal	5758.768	34.161	77.281	88.766	-42.434	131.200	Pass



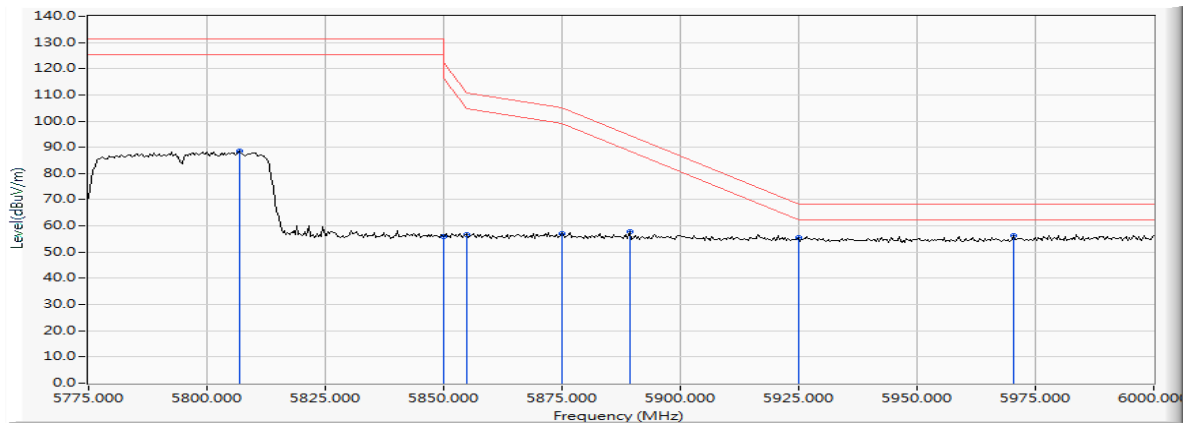
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Vertical	5624.602	13.035	44.664	57.700	--	--	--
Vertical	5650.000	13.029	42.428	55.457	-12.763	68.220	Pass
Vertical	5664.167	13.027	45.085	58.112	-20.586	78.698	Pass
Vertical	5700.000	13.003	44.369	57.372	-47.828	105.200	Pass
Vertical	5720.000	12.947	44.777	57.724	-53.076	110.800	Pass
Vertical	5725.000	12.930	44.168	57.098	-65.102	122.200	Pass
Vertical	5767.391	12.781	77.820	90.602	-40.598	131.200	Pass



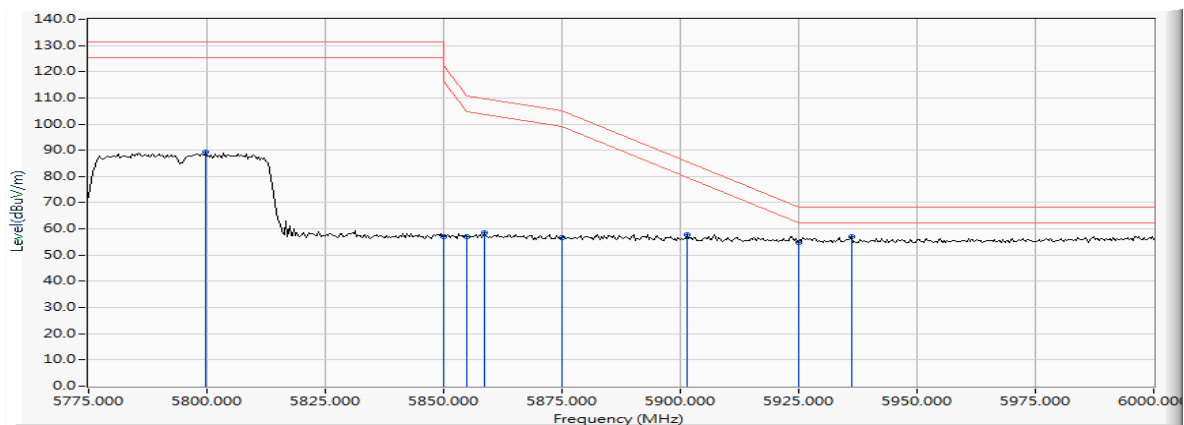
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5795MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5806.957	11.417	77.113	88.529	-42.671	131.200	Pass
Horizontal	5850.000	11.701	44.239	55.940	-66.260	122.200	Pass
Horizontal	5855.000	11.735	44.875	56.610	-54.190	110.800	Pass
Horizontal	5875.000	11.873	45.062	56.935	-48.265	105.200	Pass
Horizontal	5889.457	11.974	45.784	57.759	-36.743	94.502	Pass
Horizontal	5925.000	12.068	43.551	55.620	-12.580	68.200	Pass
Horizontal	5970.326	12.106	44.200	56.306	--	--	--



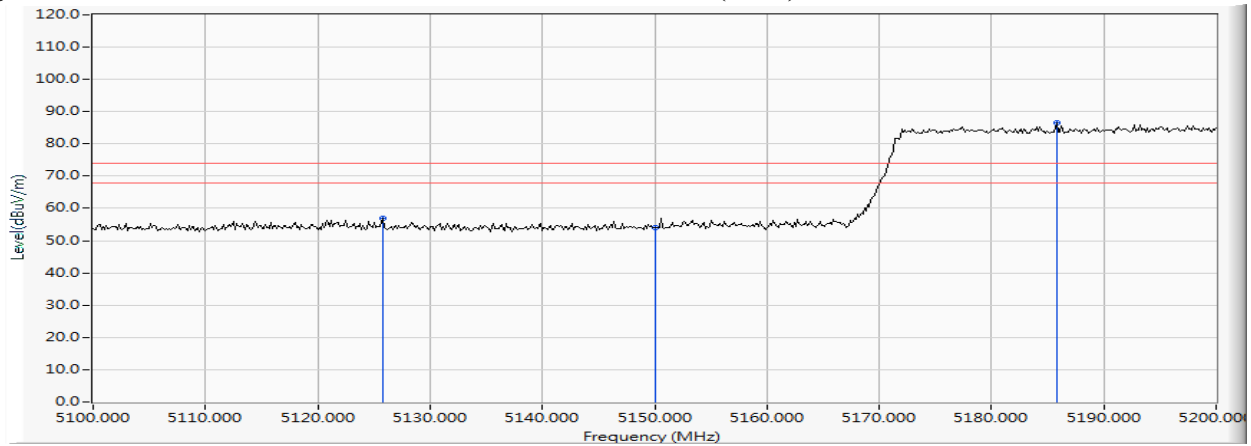
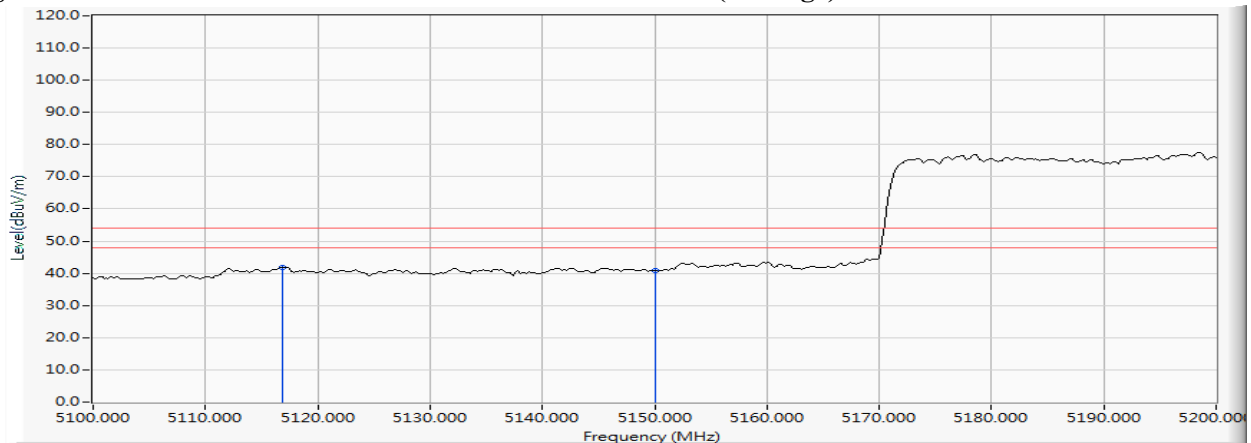
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Vertical	5799.783	12.684	76.613	89.297	-41.903	131.200	Pass
Vertical	5850.000	12.774	44.390	57.164	-65.036	122.200	Pass
Vertical	5855.000	12.784	44.176	56.960	-53.840	110.800	Pass
Vertical	5858.478	12.791	45.934	58.725	-51.101	109.826	Pass
Vertical	5875.000	12.825	44.012	56.837	-48.363	105.200	Pass
Vertical	5901.522	12.880	45.087	57.966	-27.608	85.574	Pass
Vertical	5925.000	12.911	42.047	54.958	-13.242	68.200	Pass
Vertical	5936.087	12.927	44.140	57.066	--	--	--



Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
42 (Peak)	5125.797	10.531	46.475	57.006	74.00	54.00	Pass
42 (Peak)	5150.000	10.470	43.435	53.906	74.00	54.00	Pass
42 (Peak)	5185.797	10.379	76.003	86.382	--	--	--
42 (Average)	5116.812	10.553	31.298	41.851	74.00	54.00	Pass
42 (Average)	5150.000	10.470	30.514	40.985	--	--	--

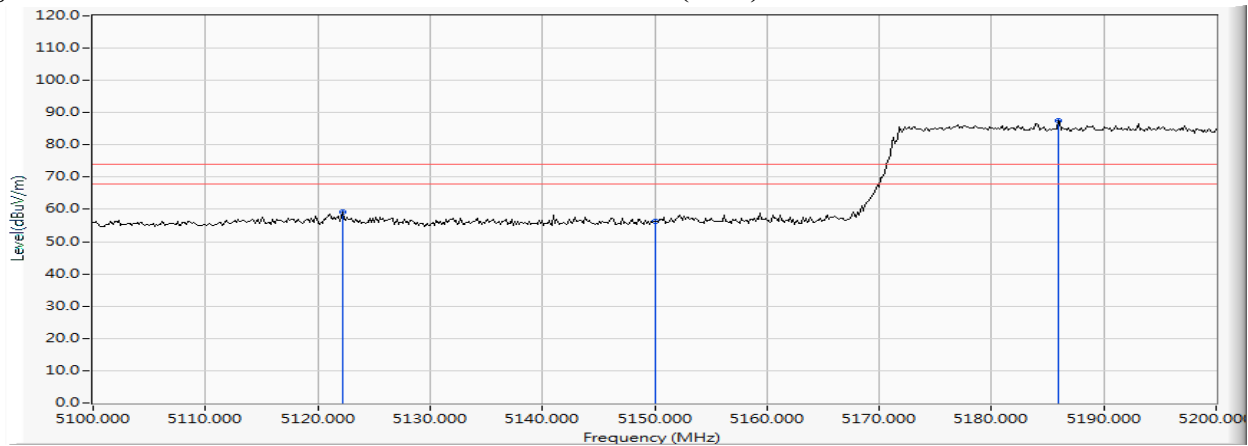
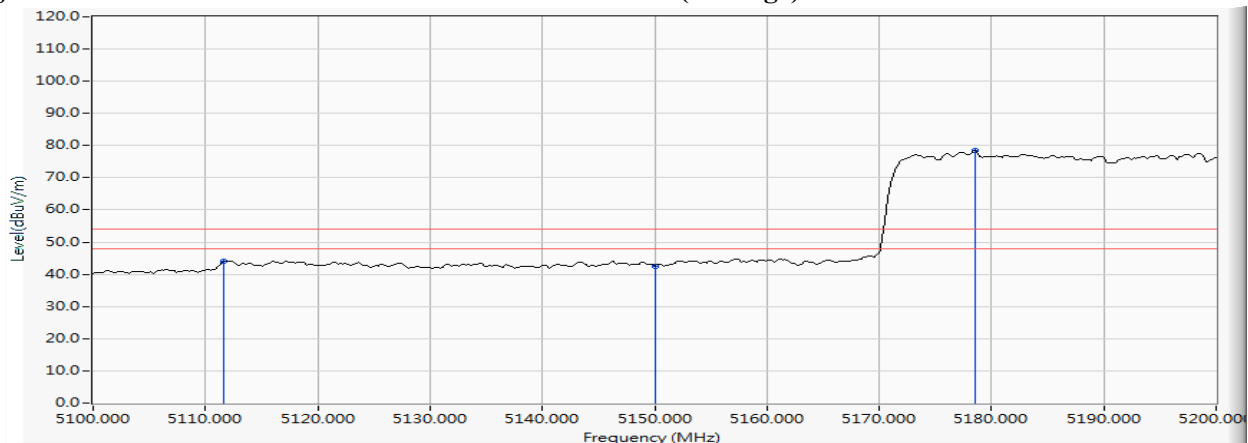
Figure Channel 42: Horizontal (Peak)**Figure Channel 42: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
42 (Peak)	5122.174	12.286	46.848	59.134	74.00	54.00	Pass
42 (Peak)	5150.000	12.390	43.765	56.155	74.00	54.00	Pass
42 (Peak)	5185.942	12.523	74.826	87.349	--	--	--
42 (Average)	5111.594	12.248	31.755	44.003	74.00	54.00	Pass
42 (Average)	5150.000	12.390	30.226	42.616	74.00	54.00	Pass
42 (Average)	5178.551	12.496	65.881	78.377	--	--	--

Figure Channel 42:**Vertical (Peak)****Figure Channel 42:****Vertical (Average)**

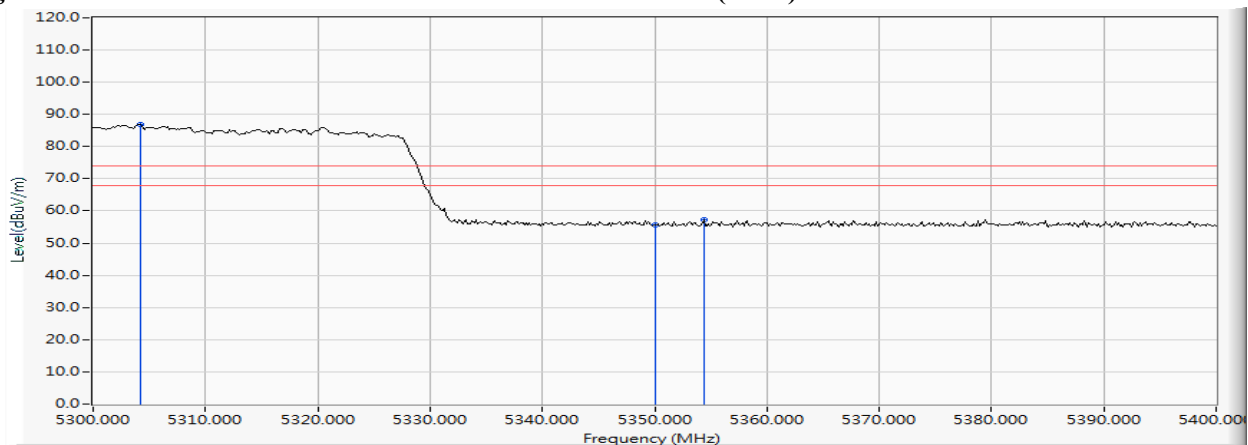
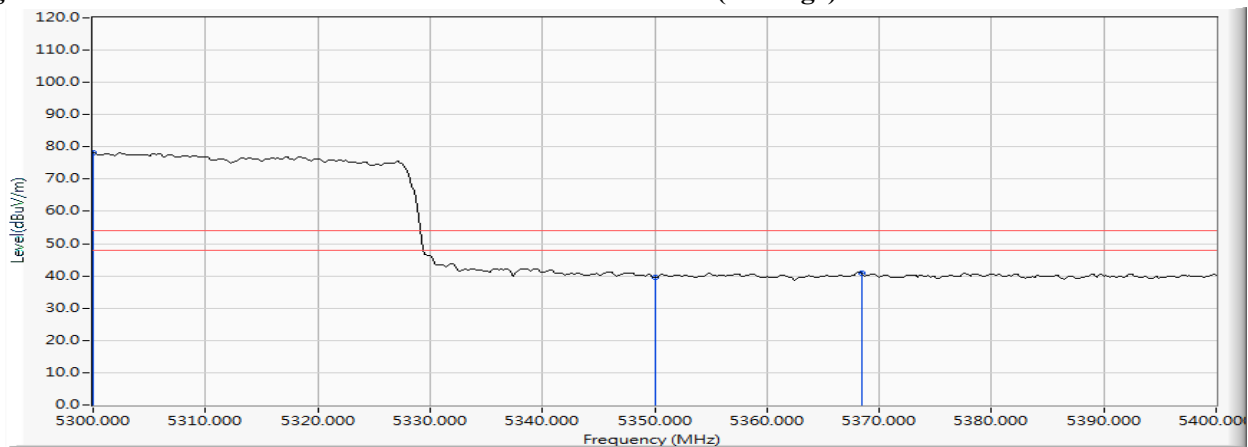
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5290MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5304.203	11.141	75.691	86.832	--	--	--
58 (Peak)	5350.000	11.024	44.507	55.531	74.00	54.00	Pass
58 (Peak)	5354.348	11.012	46.208	57.221	74.00	54.00	Pass
58 (Average)	5300.000	11.141	66.990	78.132	--	--	--
58 (Average)	5350.000	11.024	28.527	39.551	--	--	--
58 (Average)	5368.406	10.974	29.838	40.813	74.00	54.00	Pass

Figure Channel 58: Horizontal (Peak)

Figure Channel 58: Horizontal (Average)


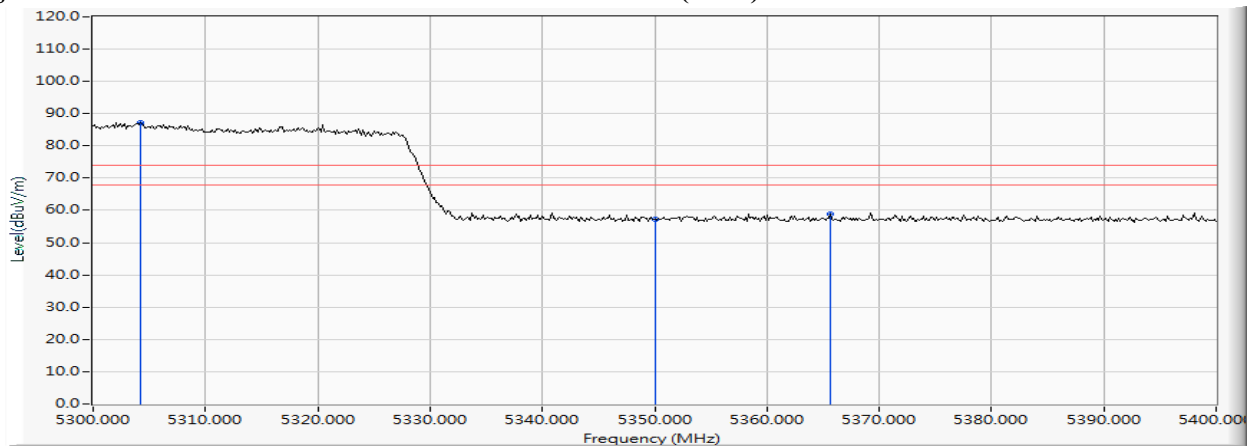
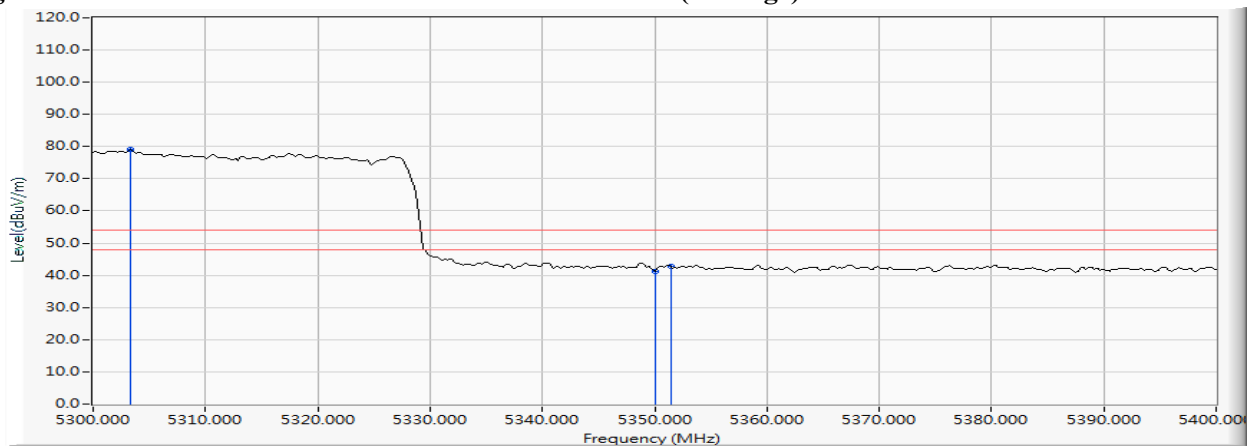
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5290MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5304.203	13.027	74.202	87.230	--	--	--
58 (Peak)	5350.000	12.999	44.156	57.155	74.00	54.00	Pass
58 (Peak)	5365.652	12.987	45.881	58.868	74.00	54.00	Pass
58 (Average)	5303.333	13.028	65.982	79.010	--	--	--
58 (Average)	5350.000	12.999	28.216	41.215	--	--	--
58 (Average)	5351.449	12.998	29.774	42.773	74.00	54.00	Pass

Figure Channel 58: Vertical (Peak)

Figure Channel 58: Vertical (Average)


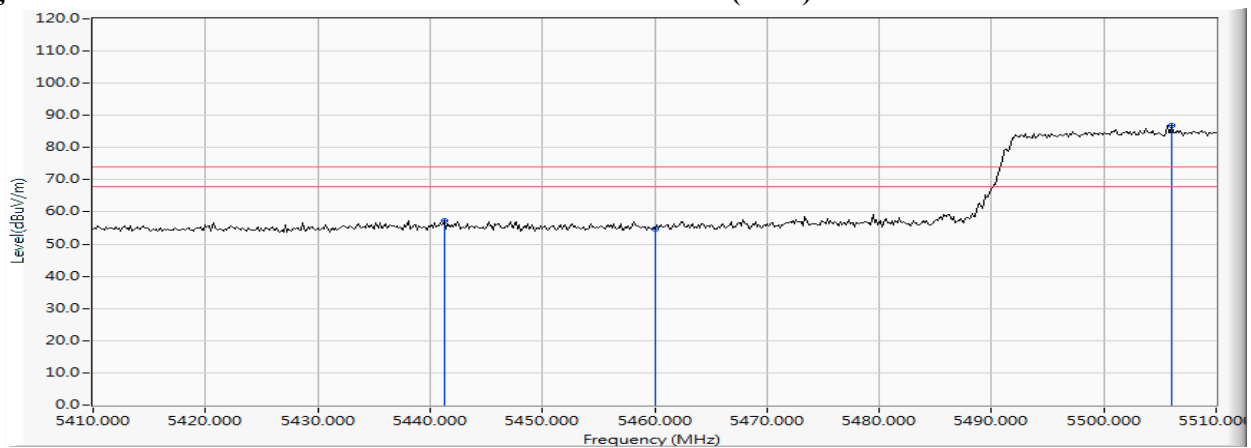
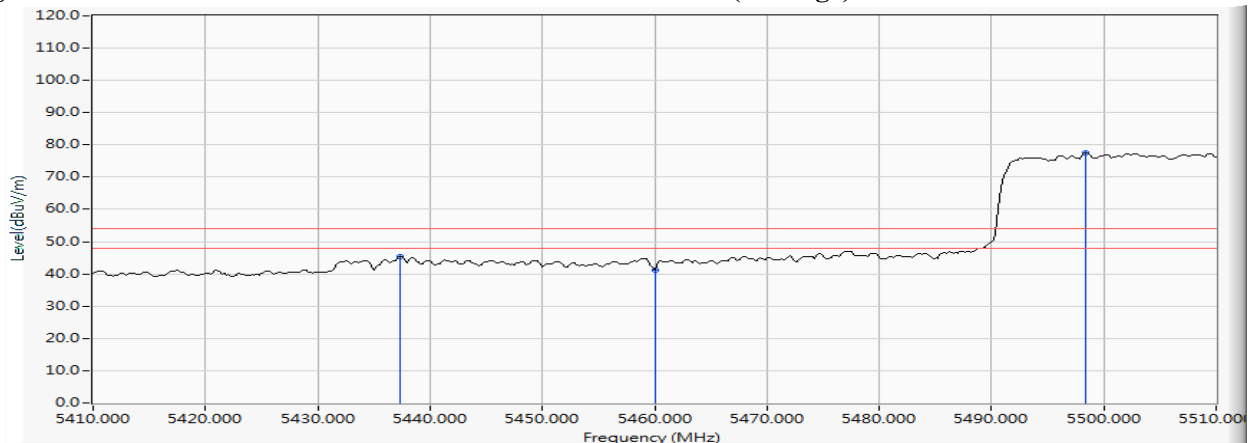
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
106 (Peak)	5441.304	11.452	45.699	57.151	74.00	54.00	Pass
106 (Peak)	5460.000	11.703	43.067	54.770	74.00	54.00	Pass
106 (Peak)	5506.087	12.195	74.627	86.822	--	--	--
106 (Average)	5437.391	11.400	33.971	45.371	74.00	54.00	Pass
106 (Average)	5460.000	11.703	29.511	41.214	74.00	54.00	Pass
106 (Average)	5498.406	12.158	65.379	77.537	--	--	--

Figure Channel 106: Horizontal (Peak)

Figure Channel 106: Horizontal (Average)


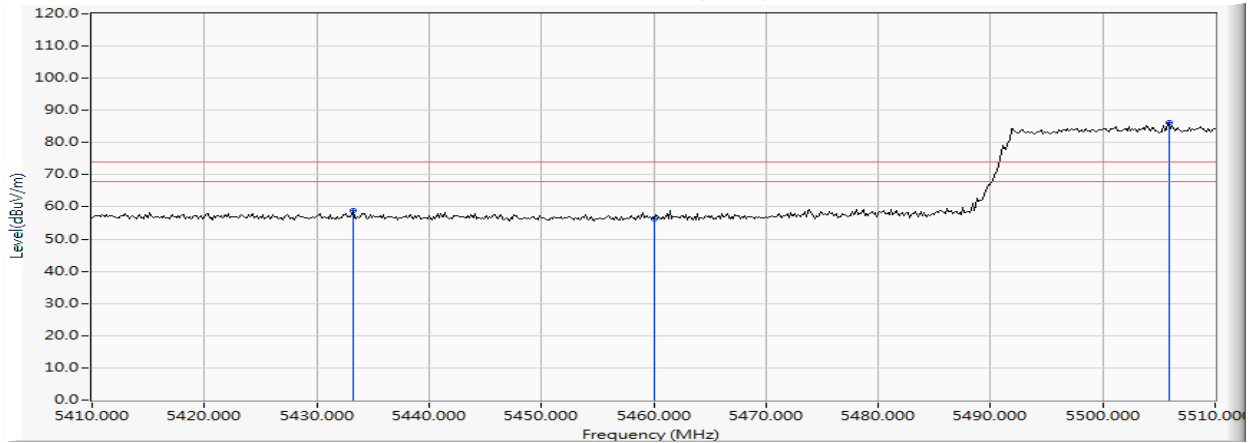
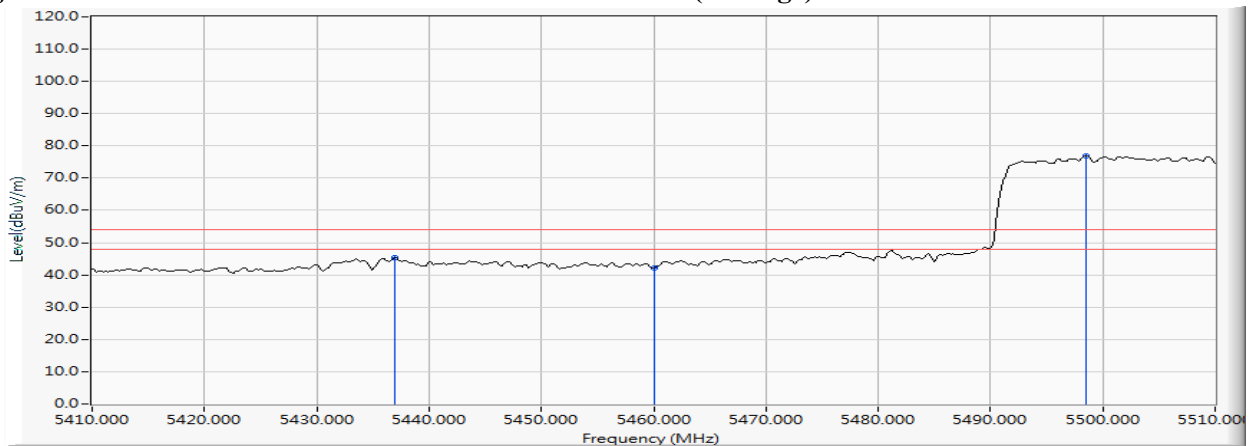
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5433.188	13.201	45.610	58.811	74.00	54.00	Pass
106 (Peak)	5460.000	13.390	42.923	56.313	74.00	54.00	Pass
106 (Peak)	5505.942	13.639	72.621	86.260	--	--	--
106 (Average)	5436.957	13.228	32.050	45.278	74.00	54.00	Pass
106 (Average)	5460.000	13.390	28.732	42.122	74.00	54.00	Pass
106 (Average)	5498.551	13.625	63.353	76.978	--	--	--

Figure Channel 106: Vertical (Peak)**Figure Channel 106: Vertical (Average)**

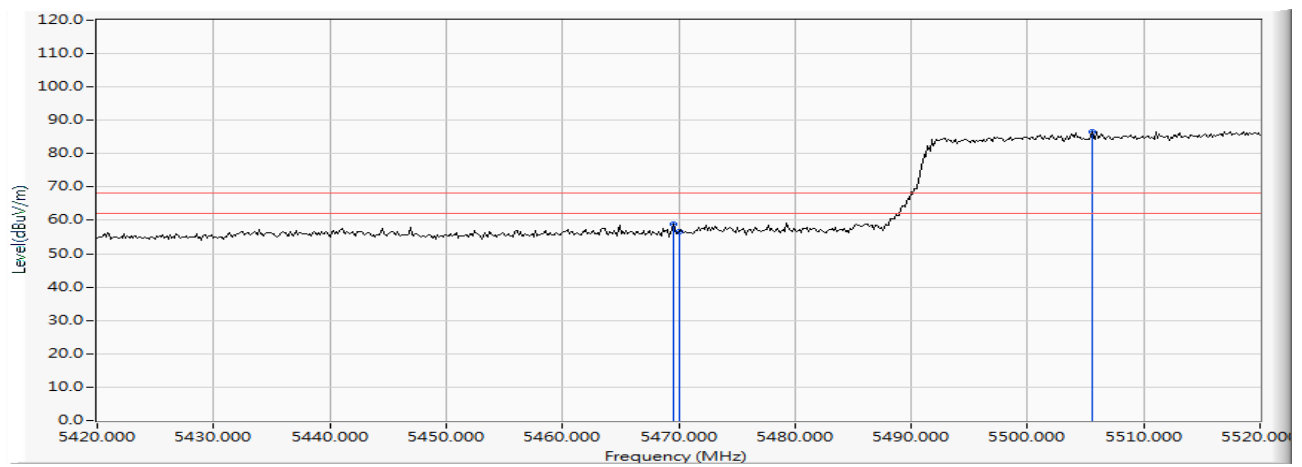
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

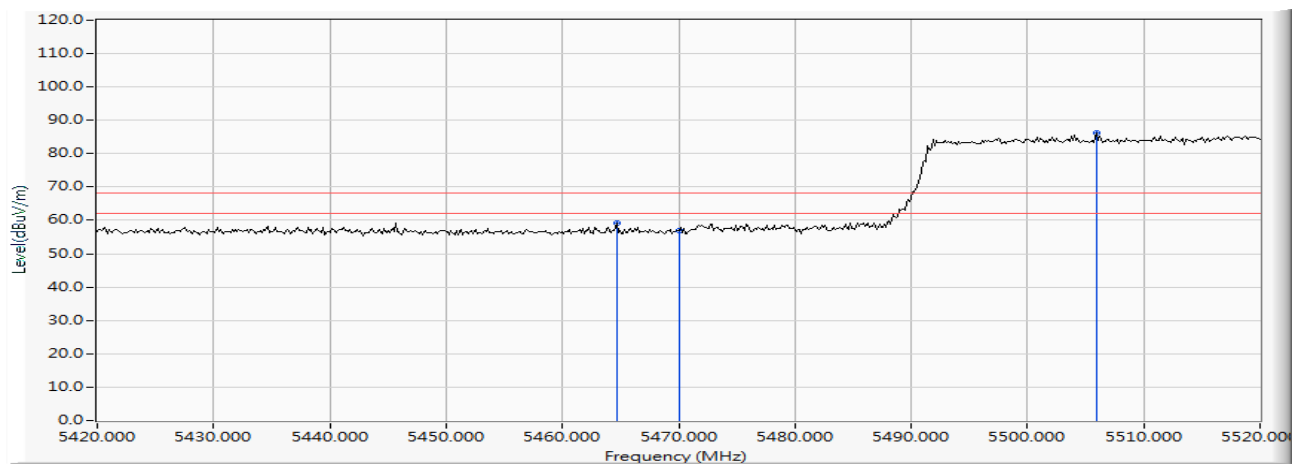
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5469.565	11.833	47.097	58.930	-9.290	68.220	Pass
Horizontal	5470.000	11.838	44.910	56.748	-11.472	68.220	Pass
Horizontal	5505.507	12.200	74.394	86.594	--	--	--



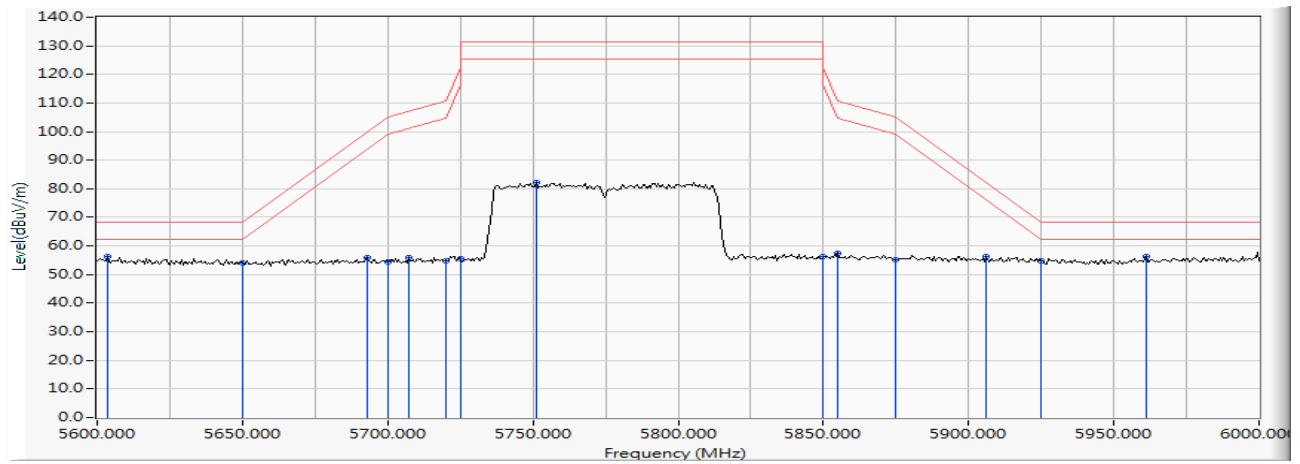
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5464.638	13.423	45.785	59.208	-9.012	68.220	Pass
Vertical	5470.000	13.462	43.384	56.846	-11.374	68.220	Pass
Vertical	5505.942	13.639	72.683	86.322	--	--	--



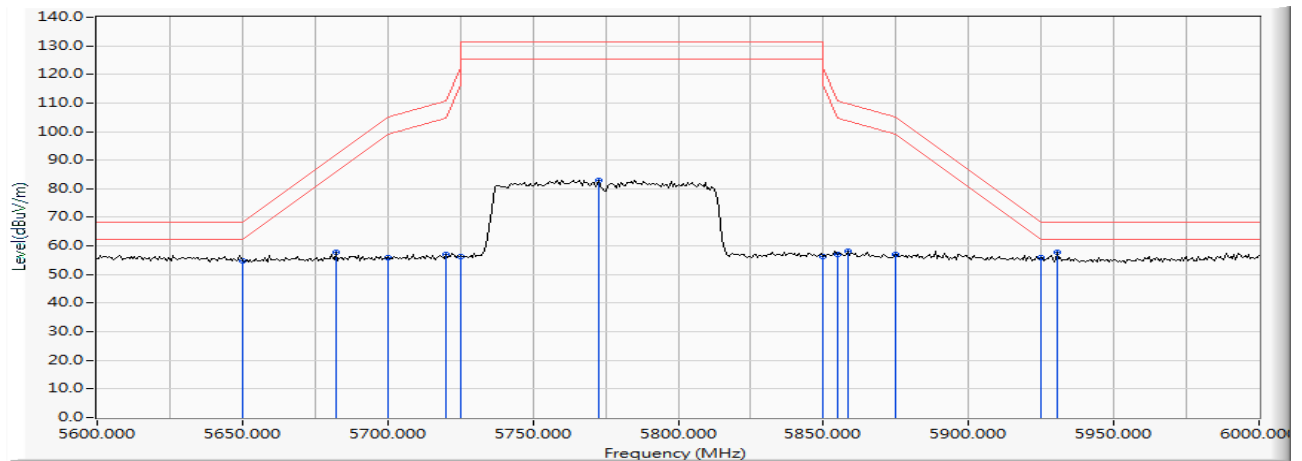
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5775MHz)

RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Result
Horizontal	5603.478	34.198	44.806	56.265	-11.955	68.220	Pass
Horizontal	5650.000	34.274	42.333	53.888	-14.332	68.220	Pass
Horizontal	5692.753	11.652	44.322	55.974	-43.866	99.840	Pass
Horizontal	5700.000	34.347	42.926	54.573	-50.627	105.200	Pass
Horizontal	5707.246	34.339	44.180	55.822	-51.407	107.229	Pass
Horizontal	5720.000	34.299	43.130	54.737	-56.063	110.800	Pass
Horizontal	5725.000	34.282	43.800	55.392	-66.808	122.200	Pass
Horizontal	5751.304	34.189	70.817	82.325	-48.875	131.200	Pass
Horizontal	5850.000	34.336	44.426	56.127	-66.073	122.200	Pass
Horizontal	5855.000	34.368	45.739	57.474	-53.326	110.800	Pass
Horizontal	5875.000	34.496	43.384	55.257	-49.943	105.200	Pass
Horizontal	5906.087	34.650	44.376	56.419	-25.777	82.196	Pass
Horizontal	5925.000	34.666	42.857	54.926	-13.274	68.200	Pass
Horizontal	5961.159	34.677	44.068	56.165	--	--	--

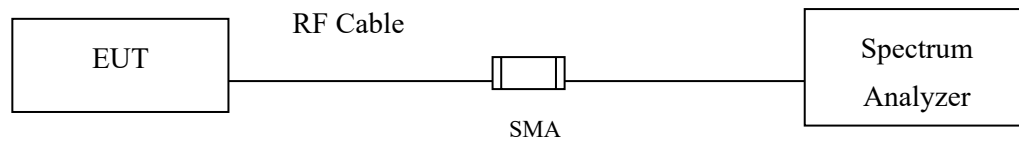


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Measure Level (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Result
Vertical	5650.000	13.029	41.864	54.893	-13.327	68.220	Pass
Vertical	5682.319	13.022	44.667	57.688	-34.435	92.123	Pass
Vertical	5700.000	13.003	42.975	55.978	-49.222	105.200	Pass
Vertical	5720.000	12.947	44.220	57.167	-53.633	110.800	Pass
Vertical	5725.000	12.930	43.529	56.459	-65.741	122.200	Pass
Vertical	5772.754	12.762	70.331	83.094	-48.106	131.200	Pass
Vertical	5850.000	12.774	43.585	56.359	-65.841	122.200	Pass
Vertical	5855.000	12.784	44.411	57.195	-53.605	110.800	Pass
Vertical	5858.551	12.791	45.416	58.207	-51.599	109.806	Pass
Vertical	5875.000	12.825	44.196	57.021	-48.179	105.200	Pass
Vertical	5925.000	12.911	42.915	55.826	-12.374	68.200	Pass
Vertical	5930.435	12.919	44.756	57.675	--	--	--



7. Occupied Bandwidth

7.1. Test Setup



7.2. Limits

For the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz

7.3. Test Procedure

The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

7.4. Uncertainty

$\pm 681.6\text{Hz}$

7.5. Test Result of Occupied Bandwidth

Product : STREAMING SOUNDBAR
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16500	>500	Pass
157	5785	16450	>500	Pass
165	5825	16500	>500	Pass

Figure Channel 149:

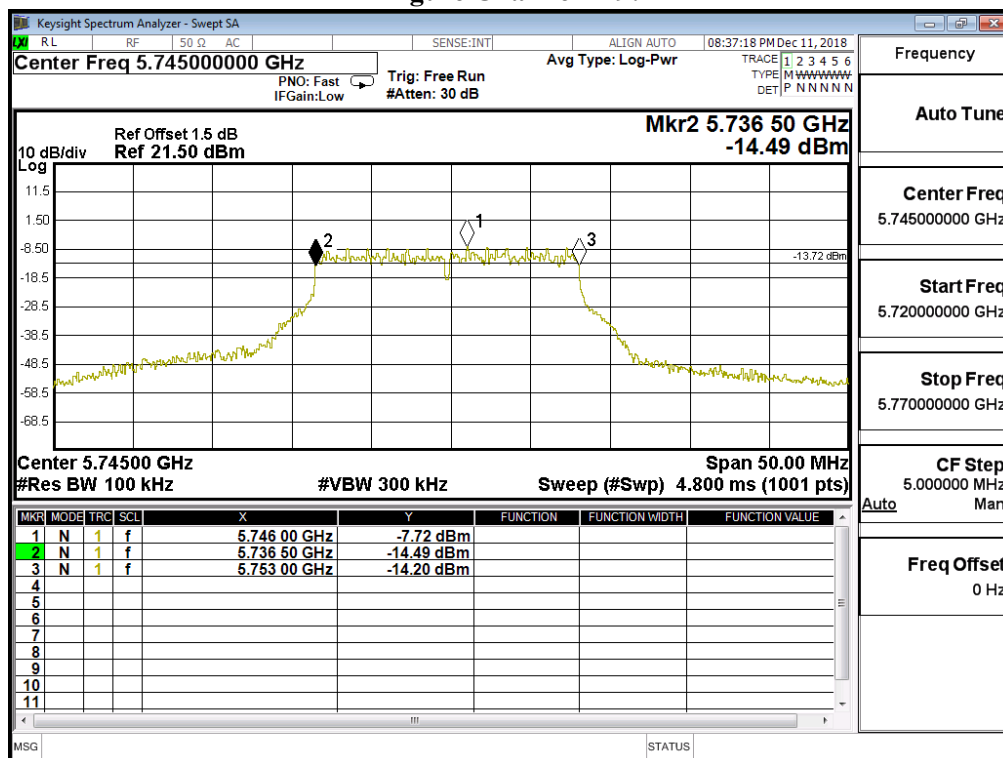


Figure Channel 157:

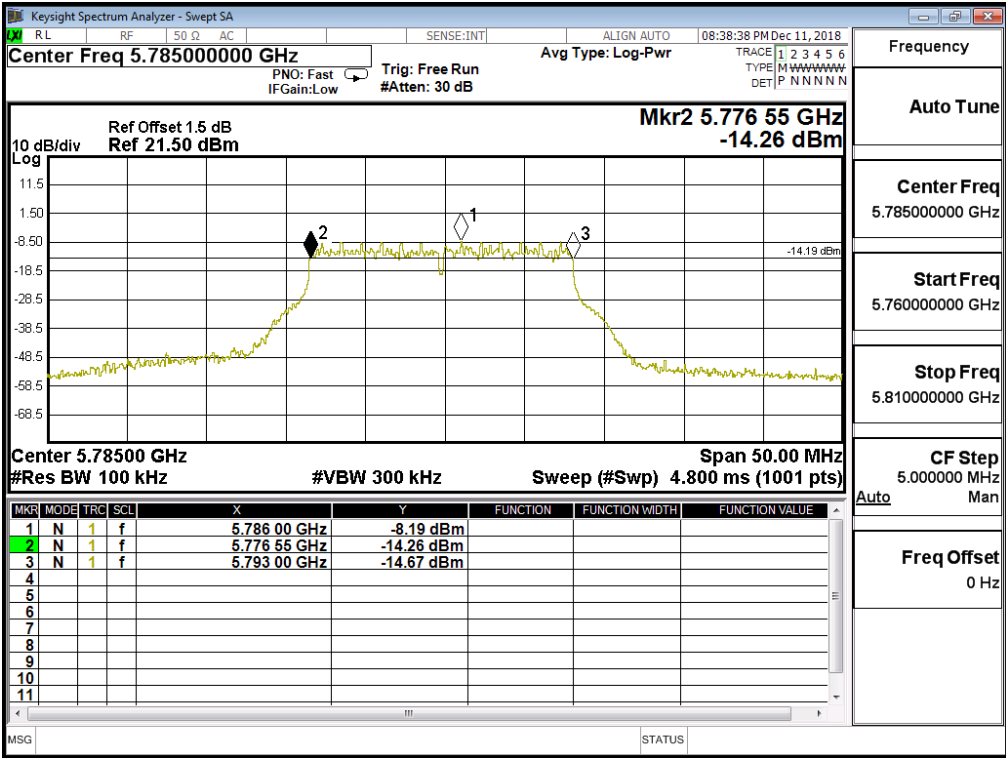
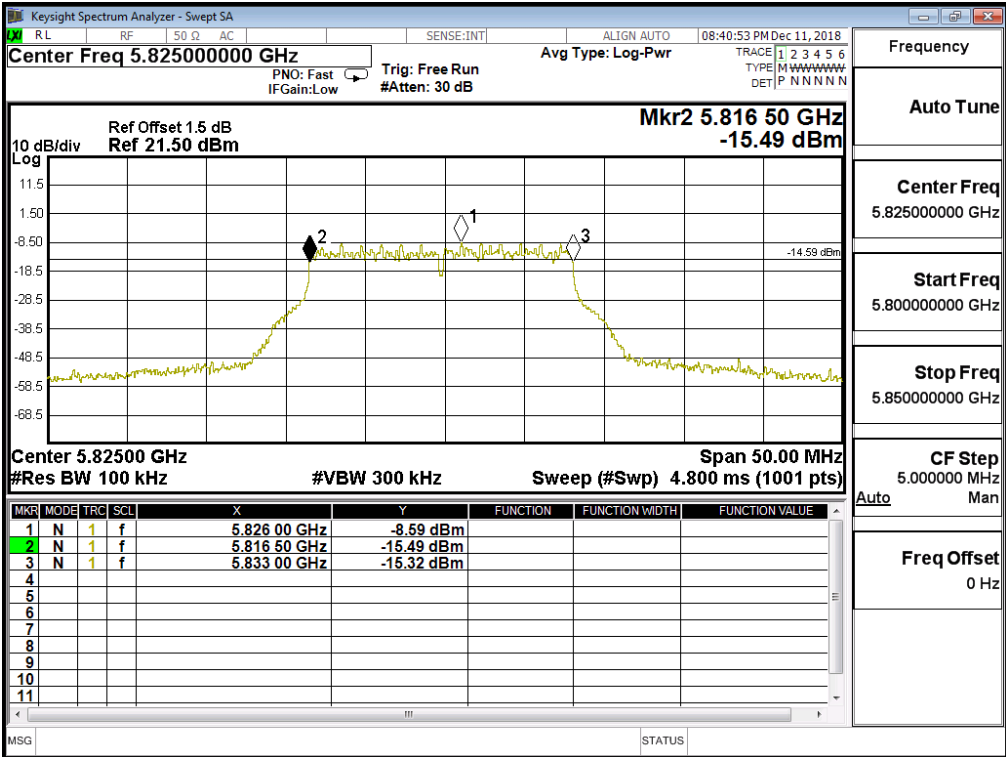


Figure Channel 165:



Product : STREAMING SOUNDBAR
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17800	>500	Pass
157	5785	17750	>500	Pass
165	5825	17800	>500	Pass

Figure Channel 149:

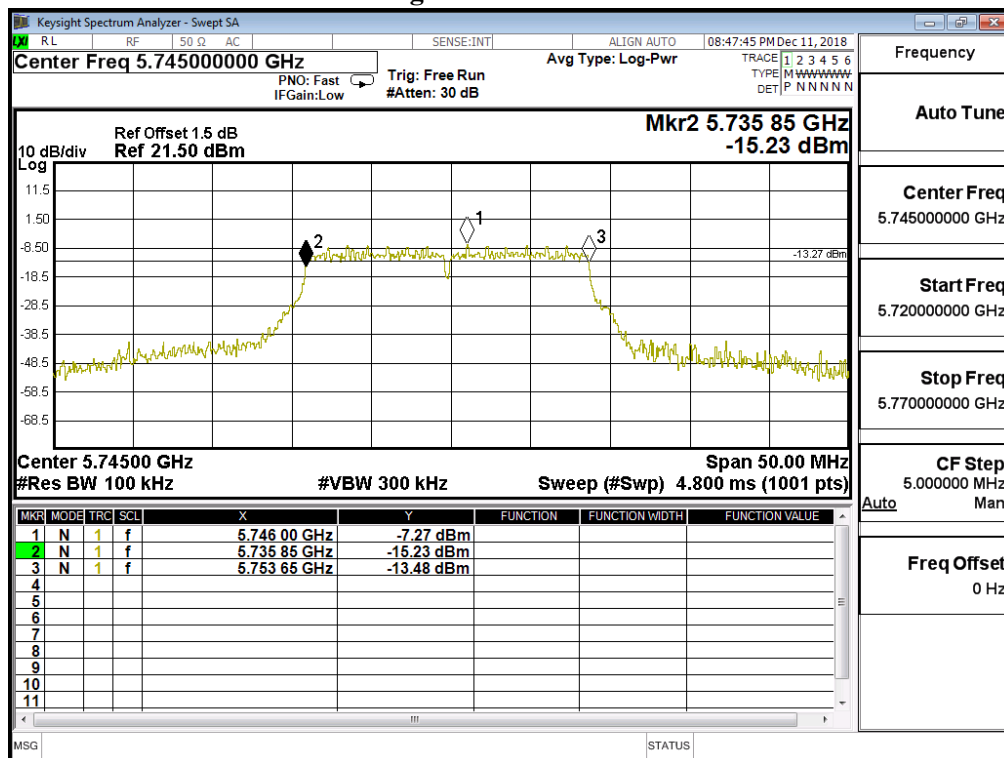


Figure Channel 157:

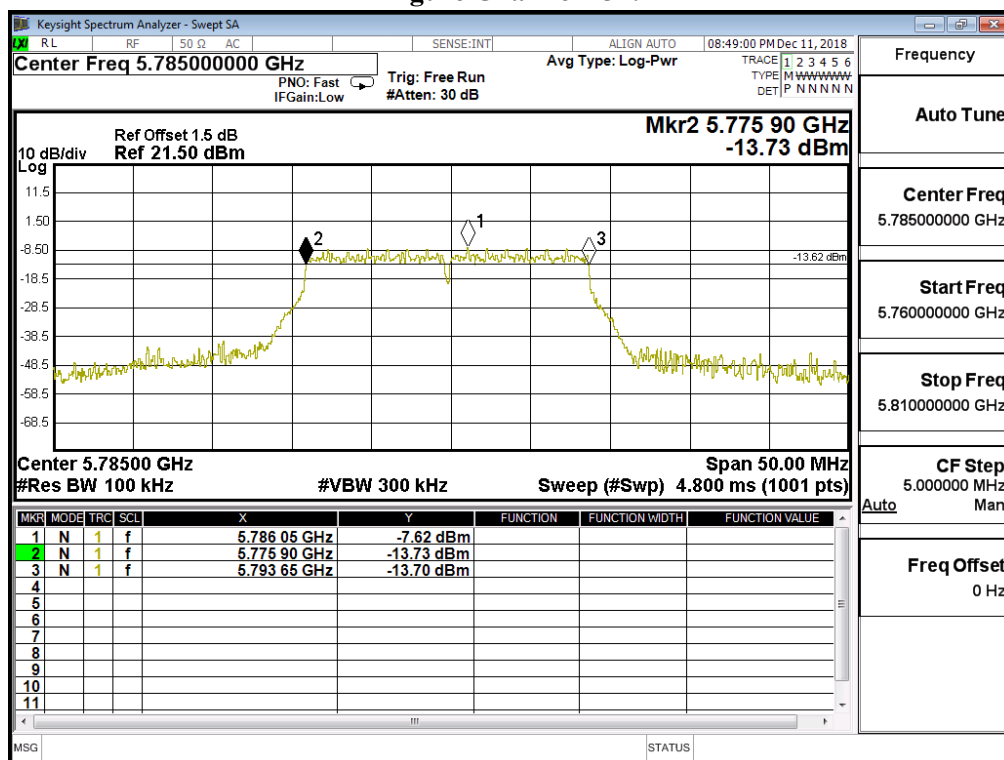
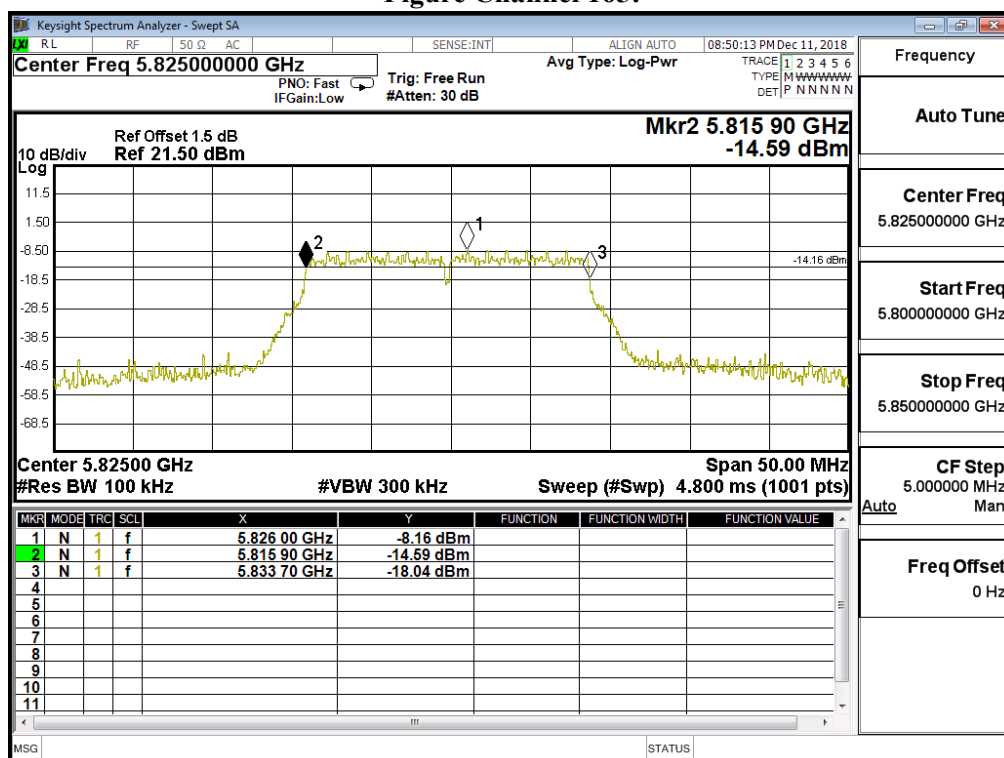


Figure Channel 165:



Product : STREAMING SOUNDBAR
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	36700	>500	Pass
159	5795	36700	>500	Pass

Figure Channel 151:

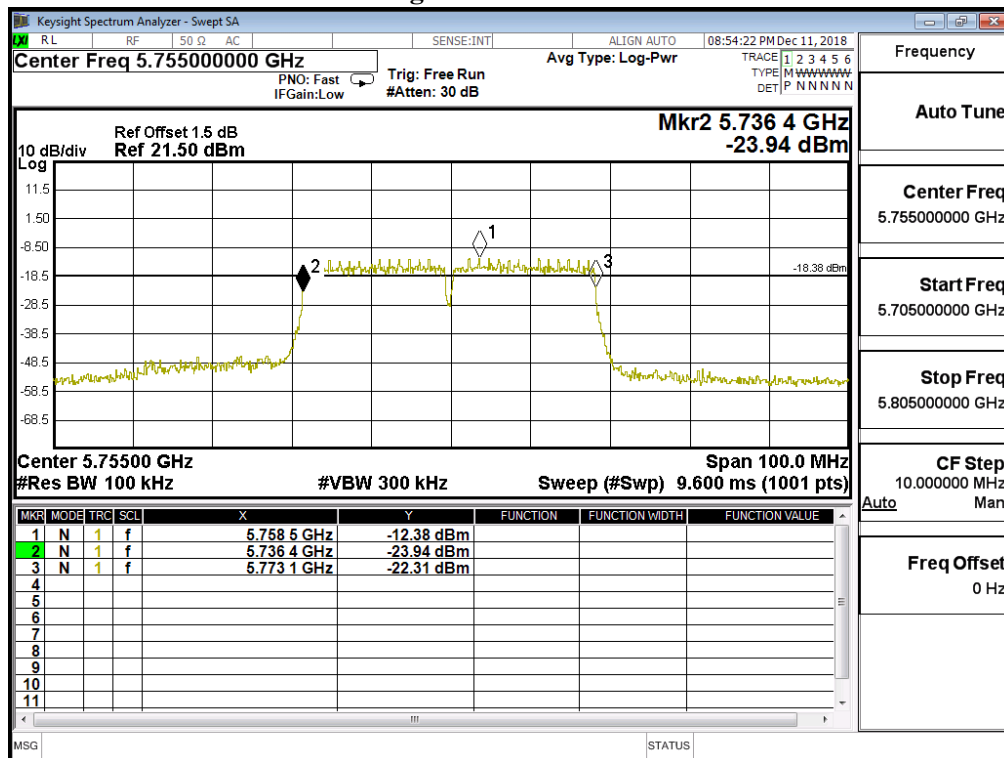
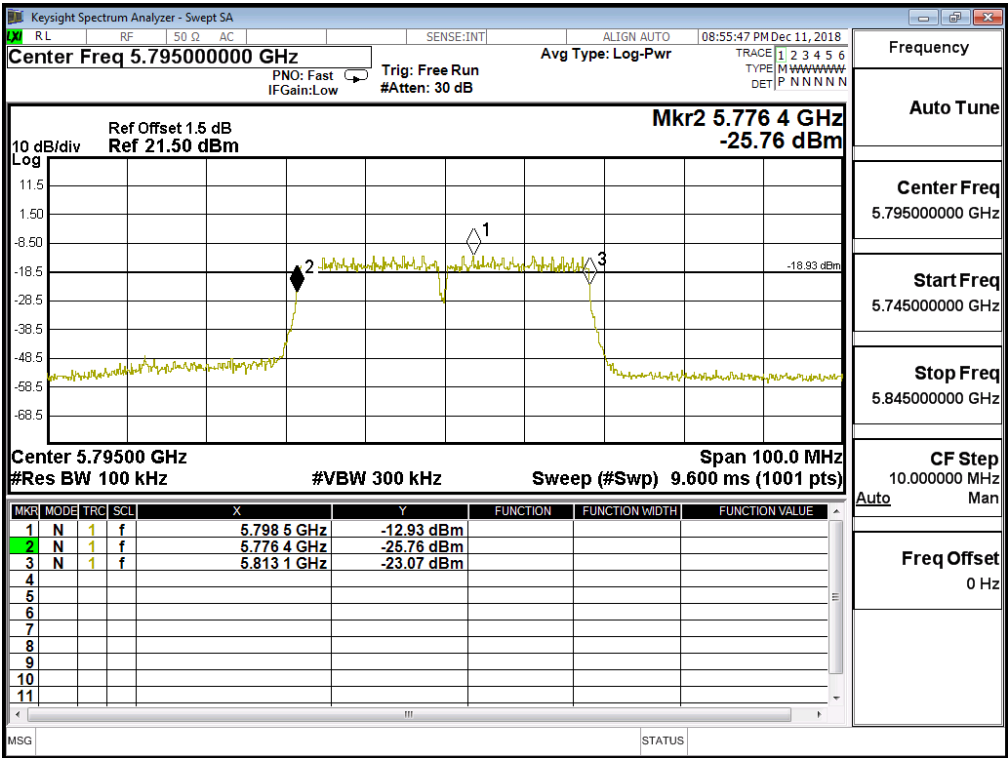


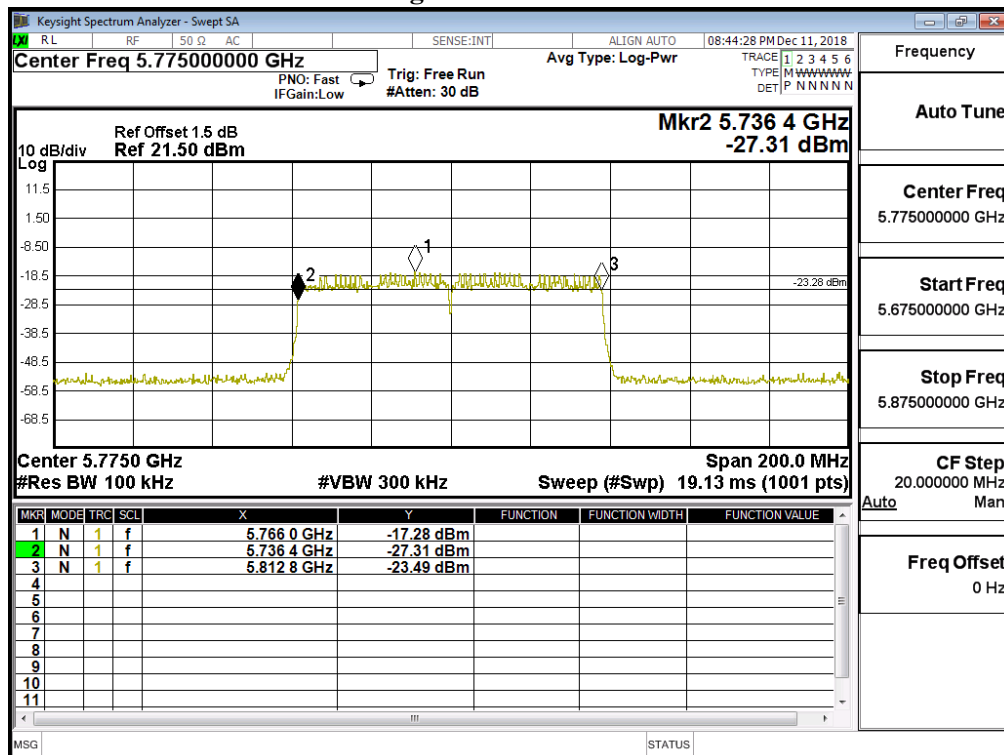
Figure Channel 159:



Product : STREAMING SOUNDBAR
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)

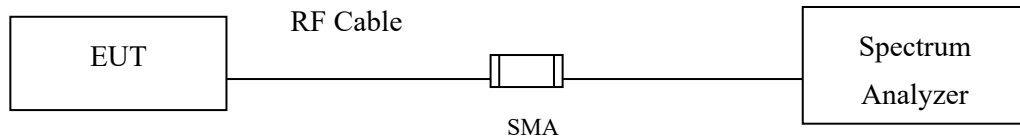
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
155	5775	76400	>500	Pass

Figure Channel 155:



8. Duty Cycle

8.1. Test Setup



8.2. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to test procedure of KDB789033 for compliance to FCC 47CFR 15.407 requirements.

8.3. Uncertainty

$\pm 2.31\text{msec}$

8.4. Test Result of Duty Cycle

Product : STREAMING SOUNDBAR
Test Item : Duty Cycle
Test Mode : Mode 1: Transmit

Duty Cycle Formula:

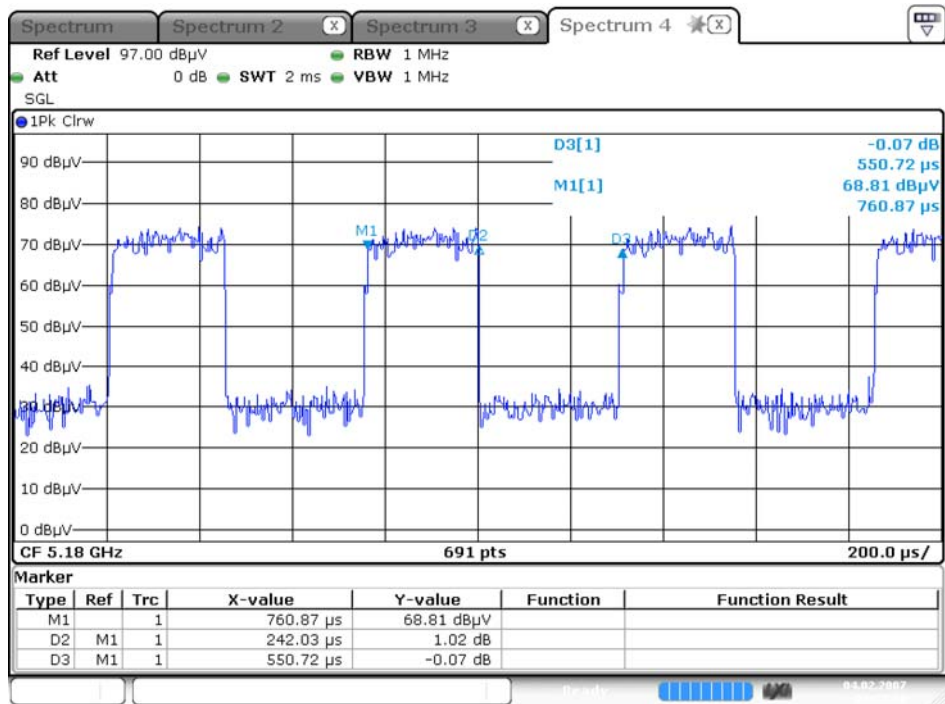
$\text{Duty Cycle} = \text{Ton} / (\text{Ton} + \text{Toff})$

$\text{Duty Factor} = 10 \text{ Log } (1/\text{Duty Cycle})$

Results:

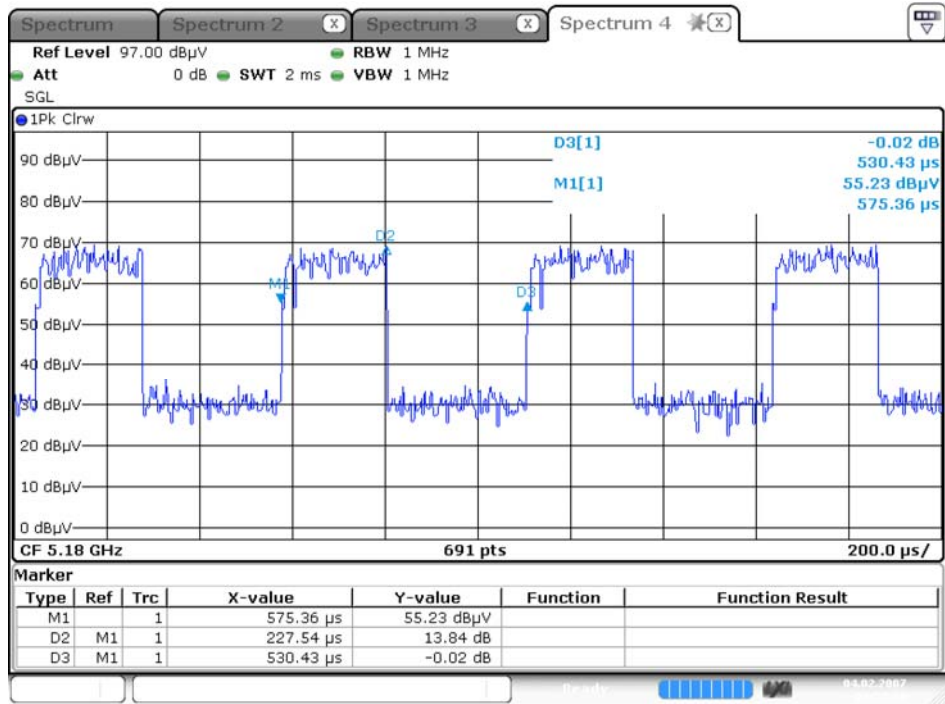
5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11a	0.2420	0.5507	43.95	3.57
802.11n20	0.2275	0.5304	42.90	3.68
802.11n40	0.1261	0.4290	29.39	5.32
802.11ac20	0.1990	0.5010	39.72	4.01
802.11ac40	0.1120	0.4140	27.05	5.68
802.11ac80	0.0725	0.3739	19.38	7.13

802.11a



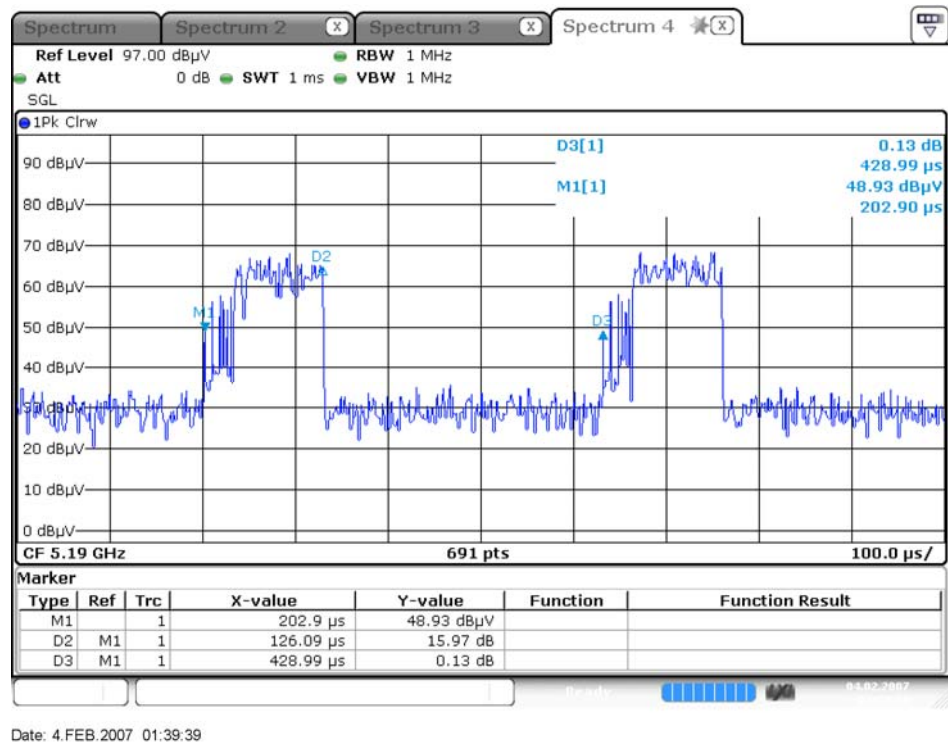
Date: 4.FEB.2007 00:12:38

802.11n20

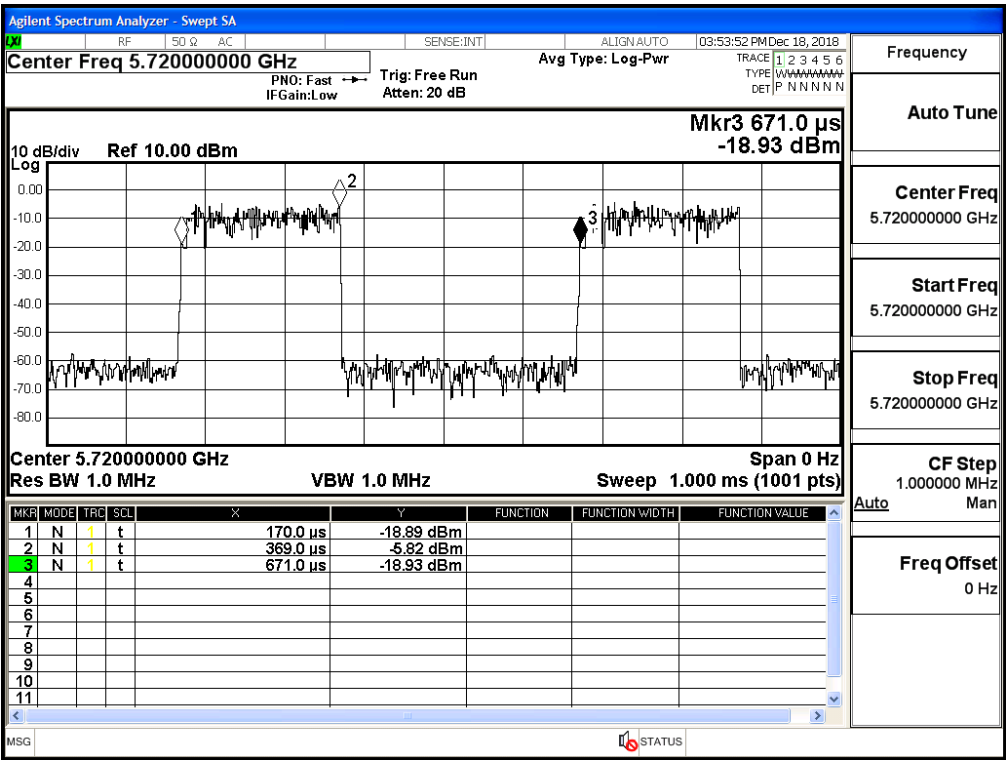


Date: 4.FEB.2007 00:57:29

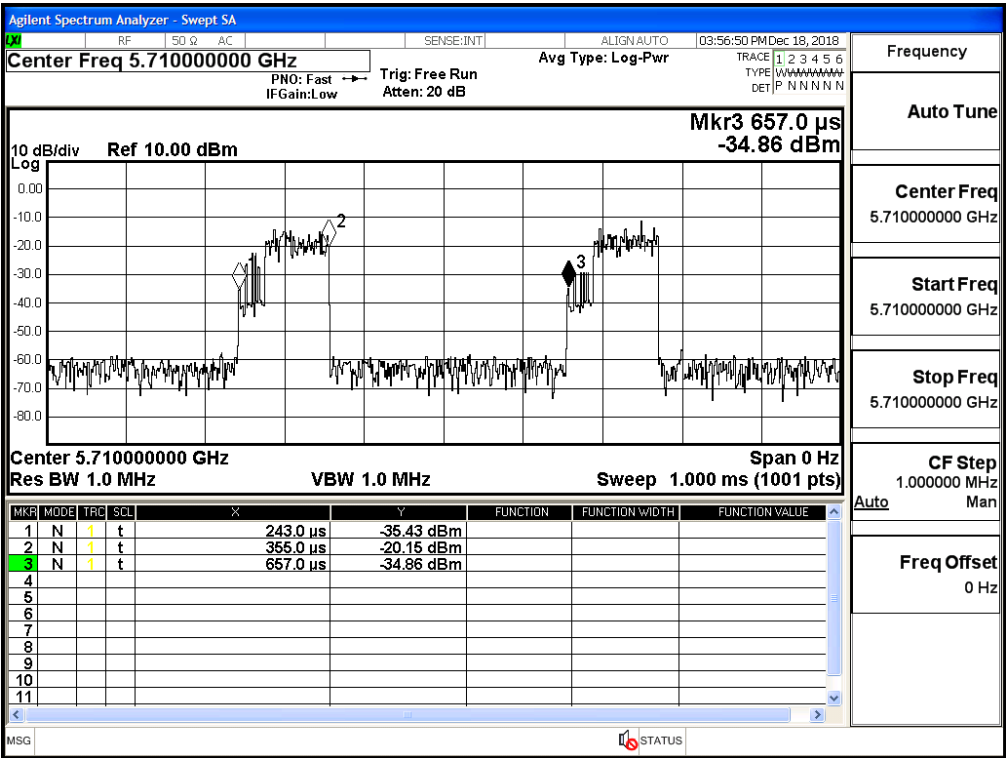
802.11n40



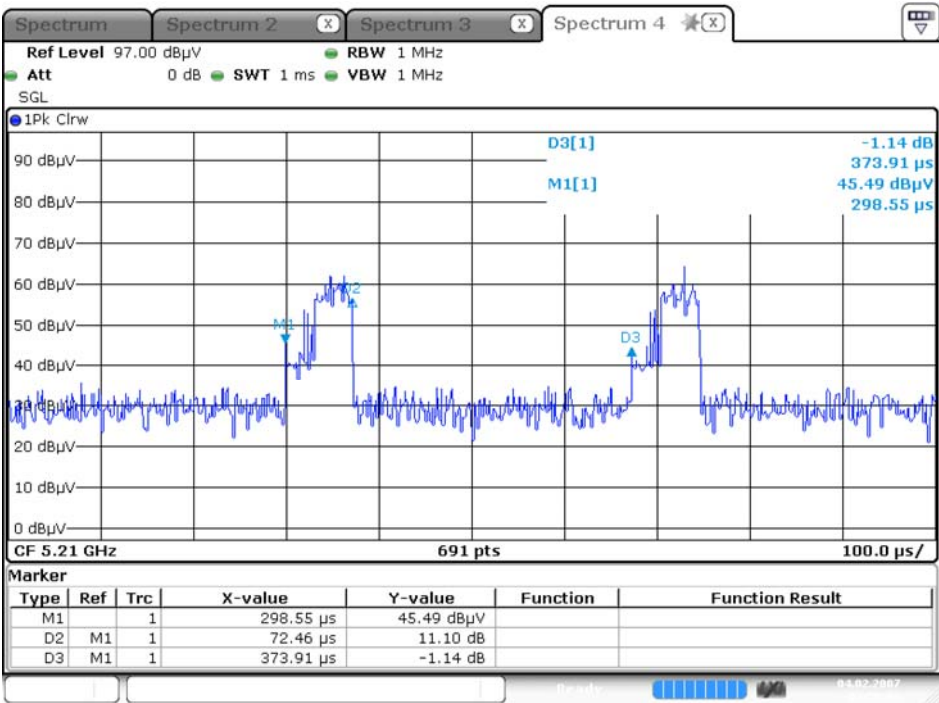
802.11ac20



802.11ac40



802.11ac80



9. EMI Reduction Method During Compliance Testing

No modification was made during testing.