

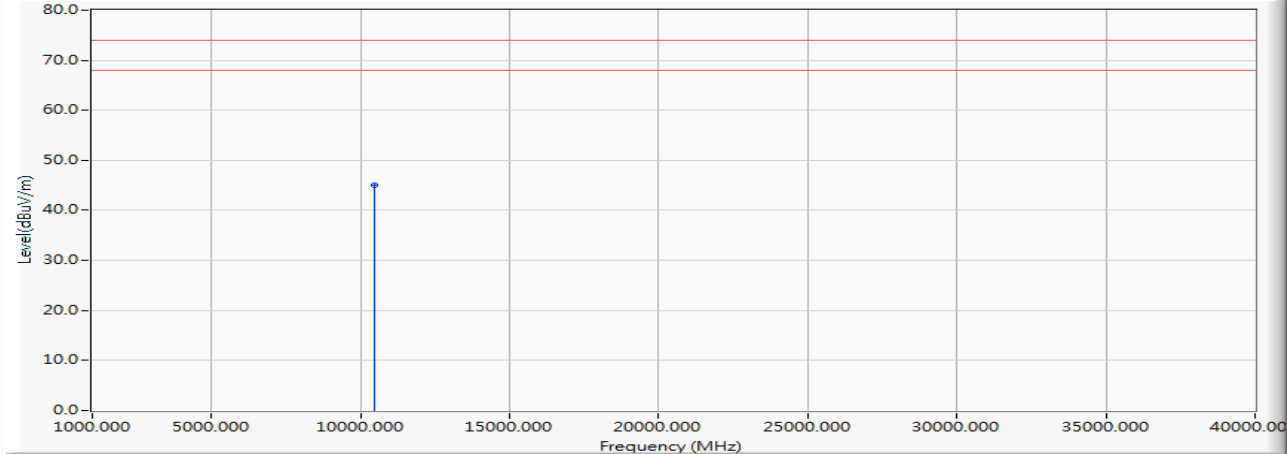
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10360.000 | 16.135 | 27.564 | 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:

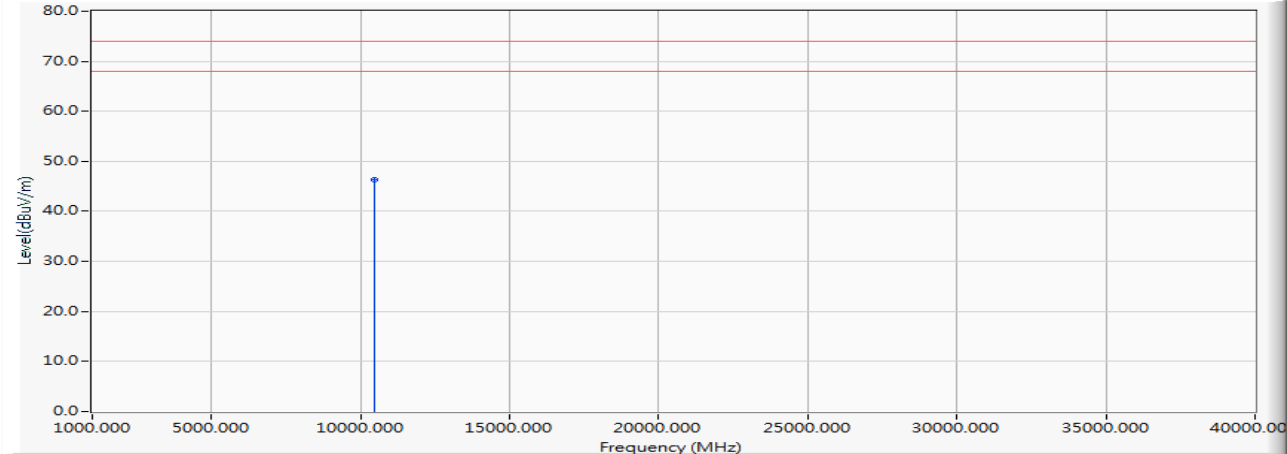
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



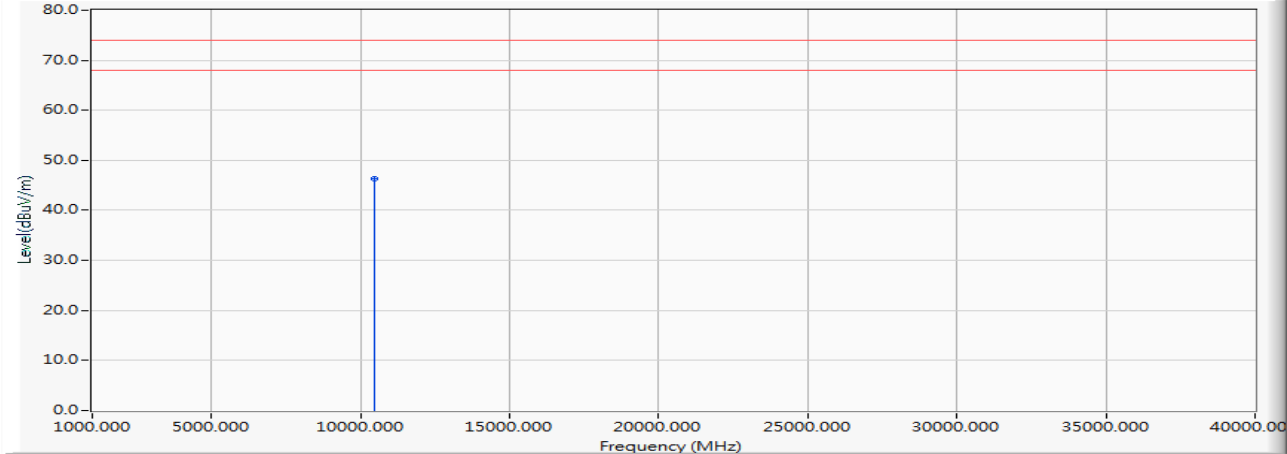
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 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:

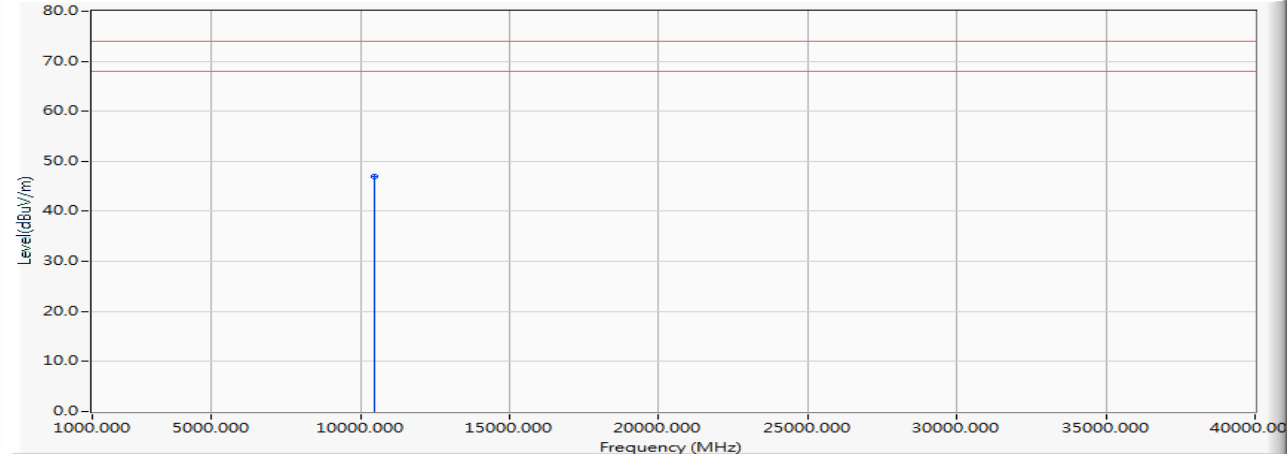
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



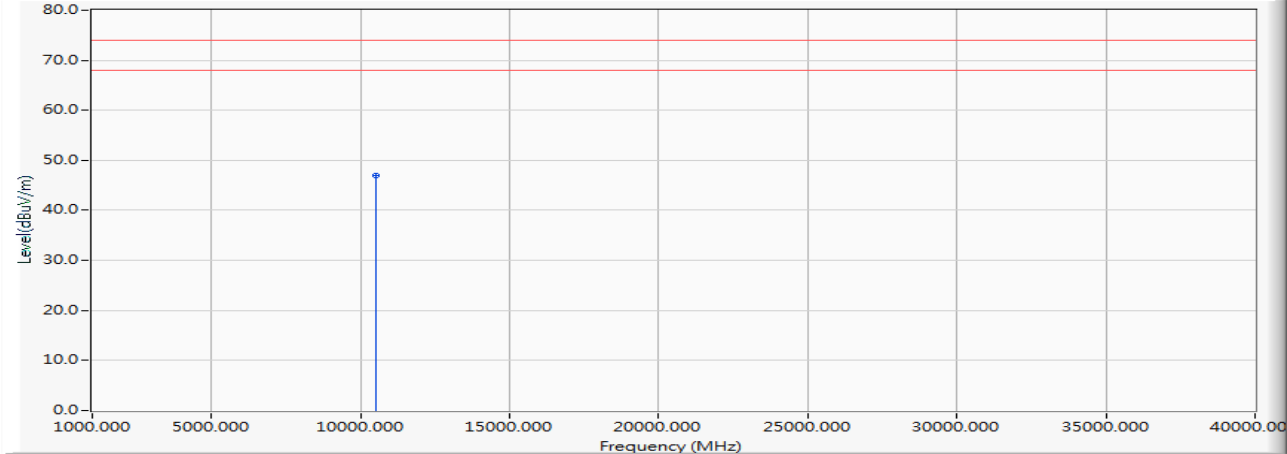
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10480.000 | 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:

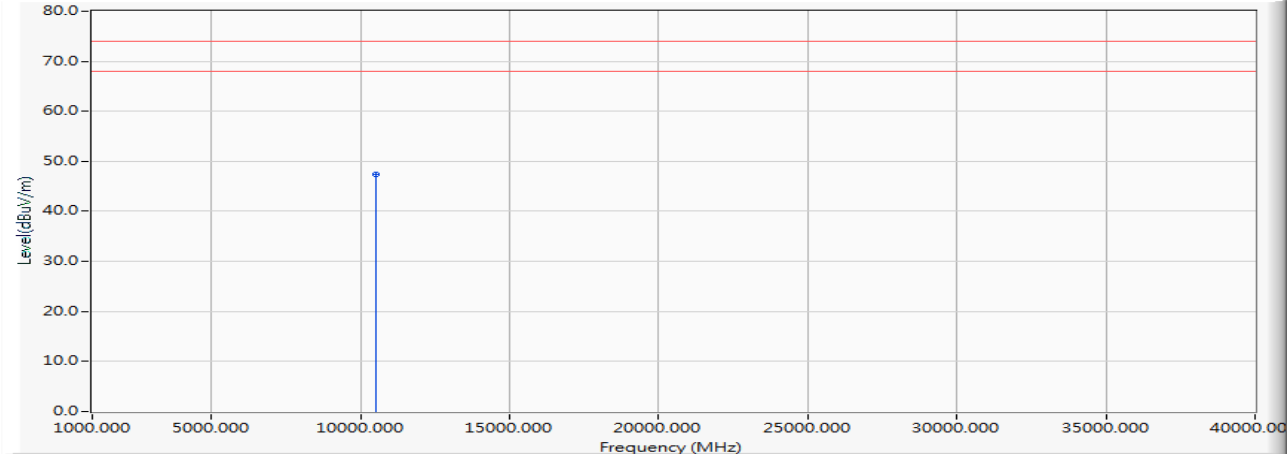
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



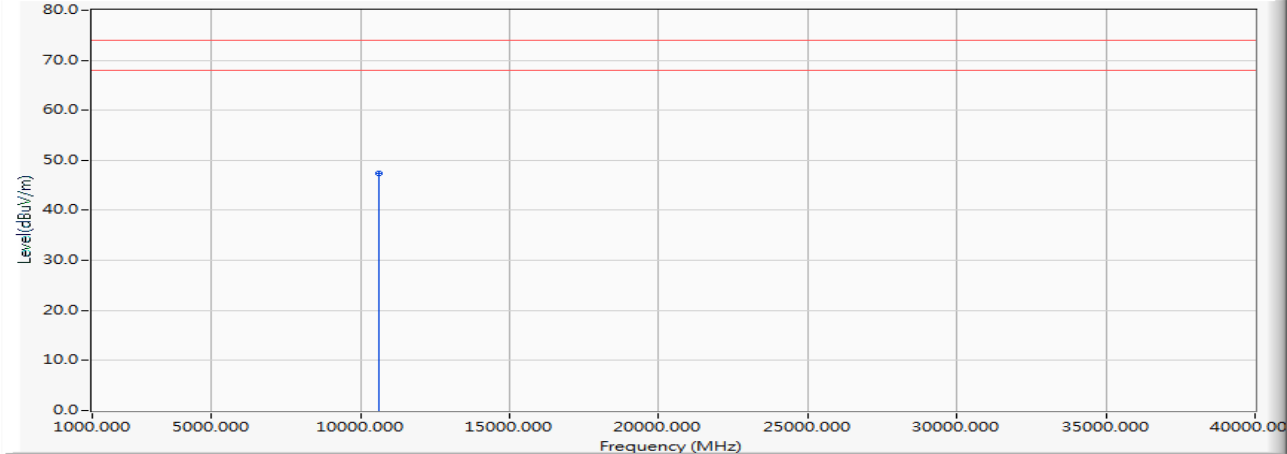
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10520.000 | 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:

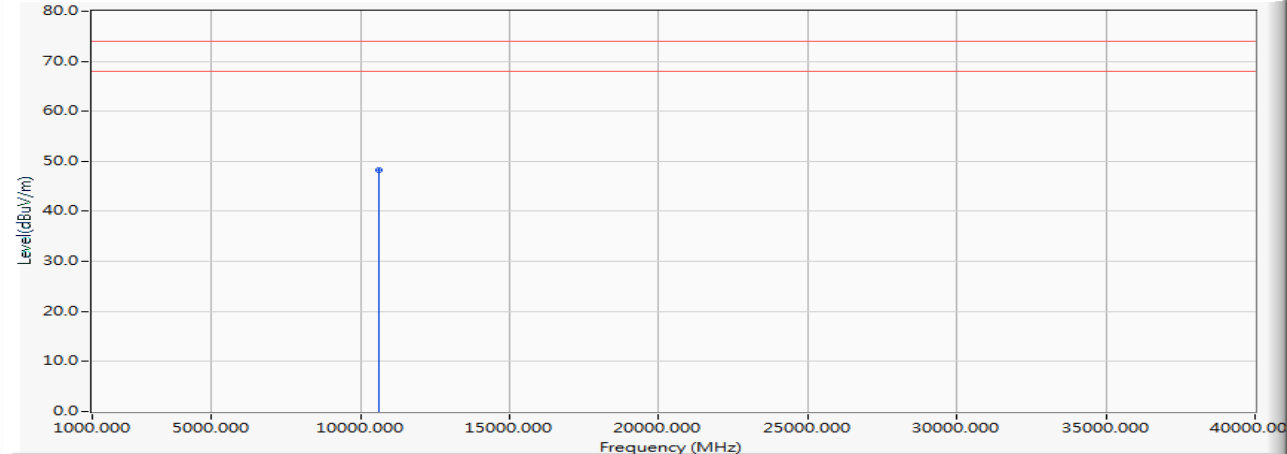
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



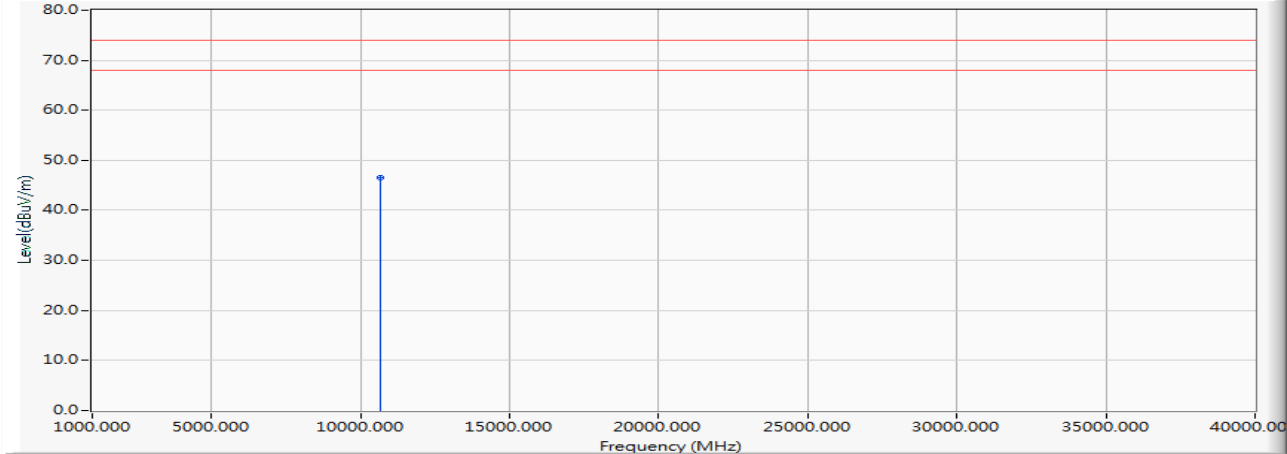
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10600.000 | 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:

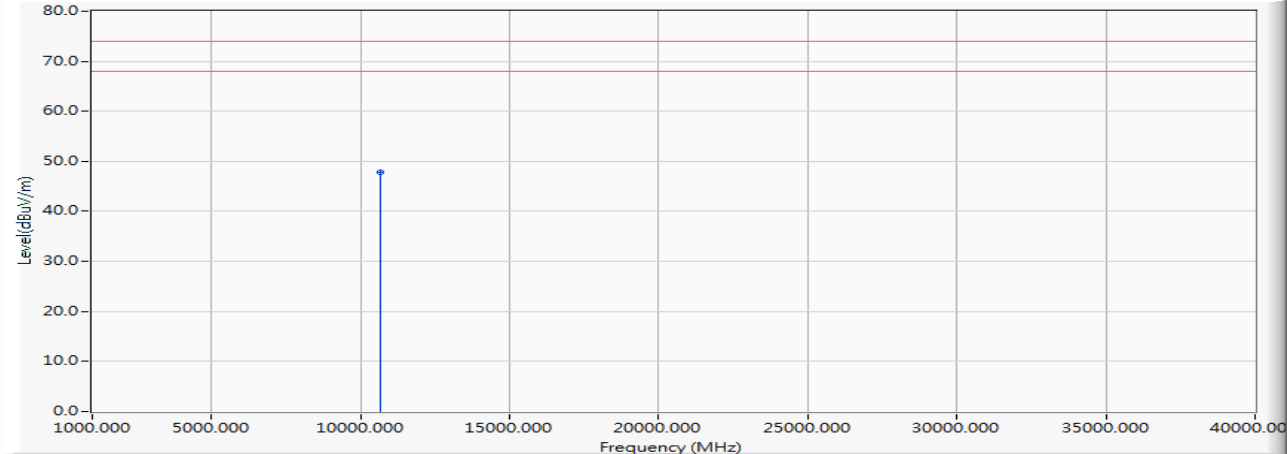
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



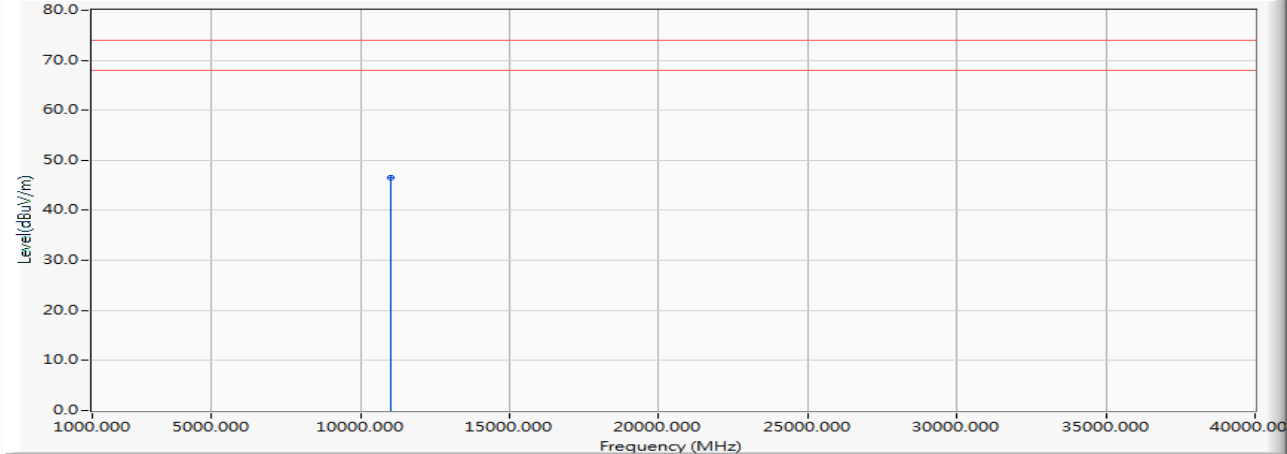
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10640.000 | 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:

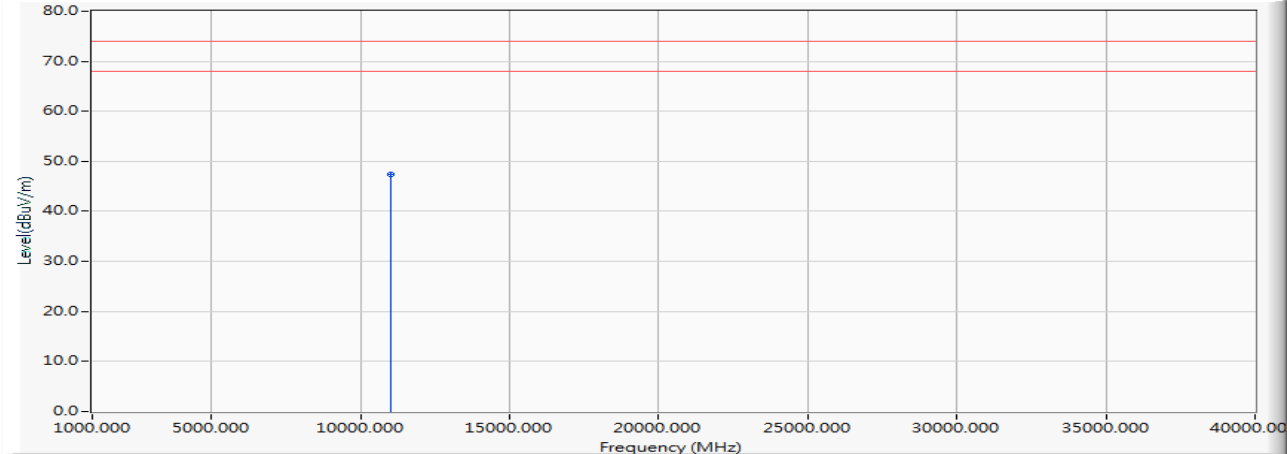
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



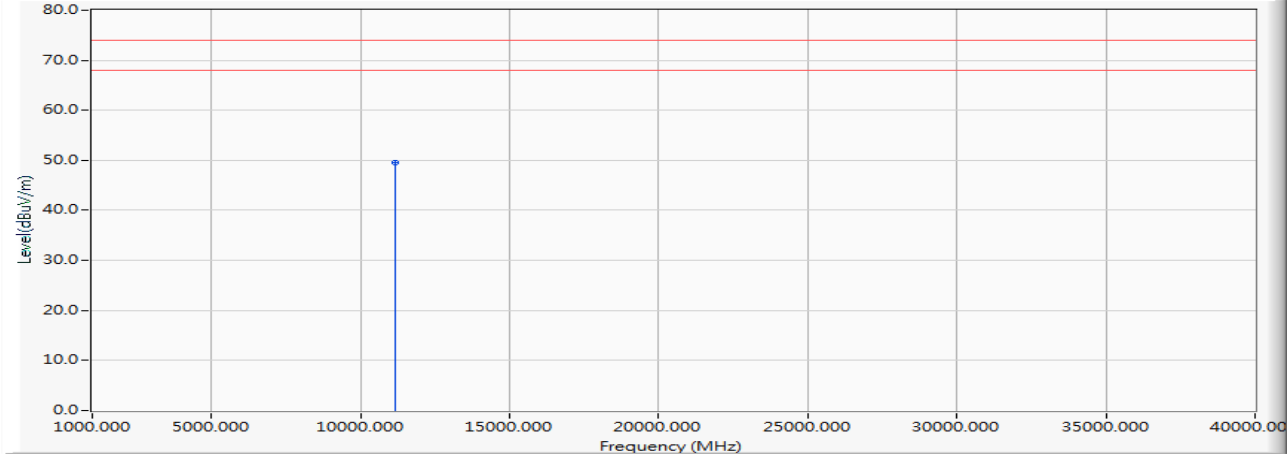
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11000.000 | 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:

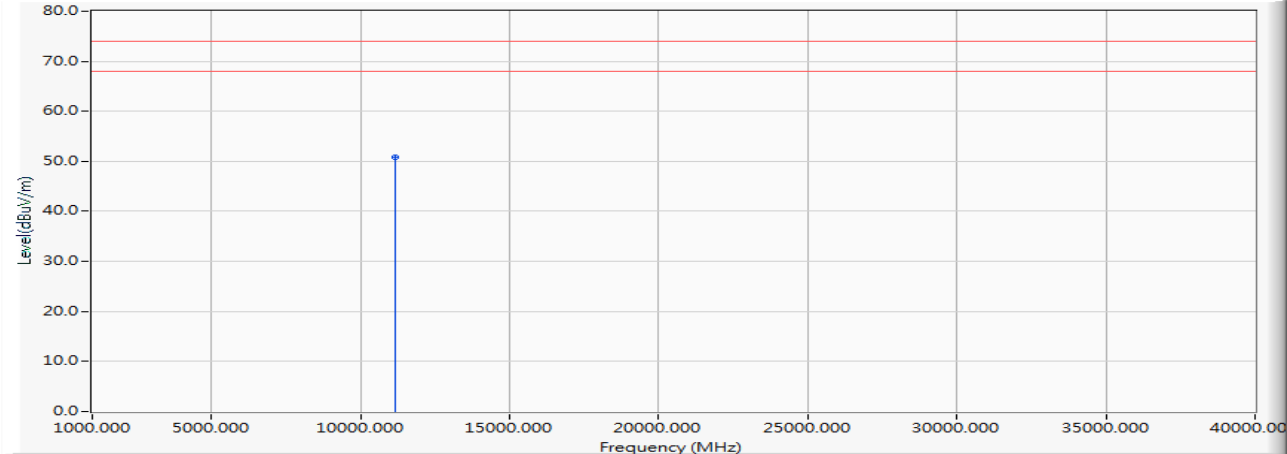
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



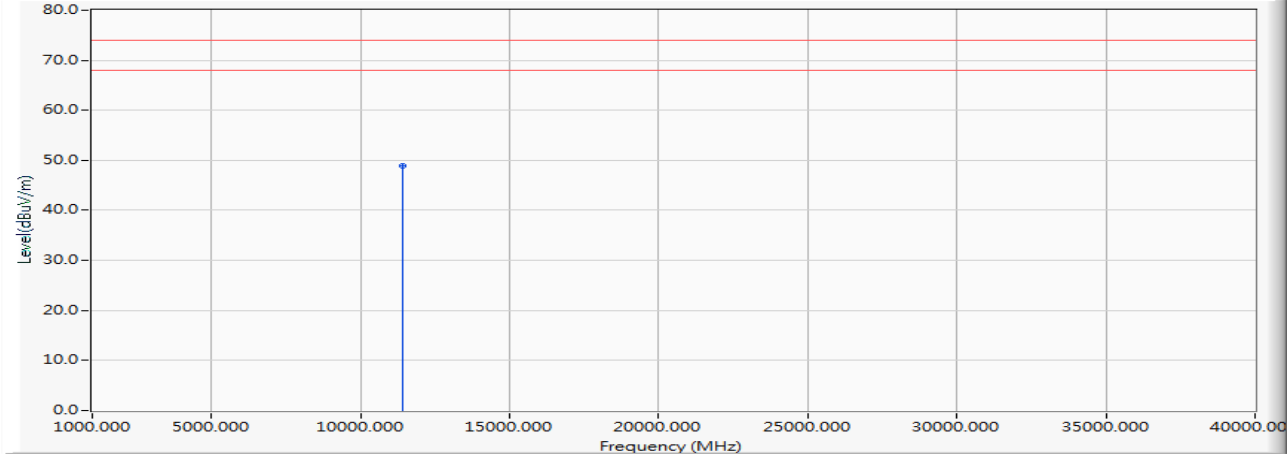
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11160.000 | 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:

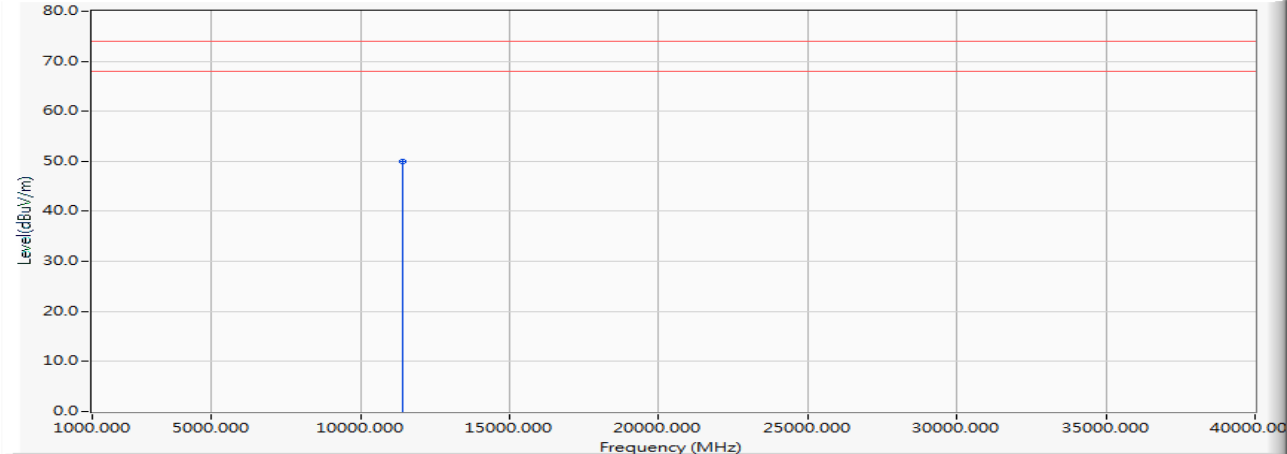
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



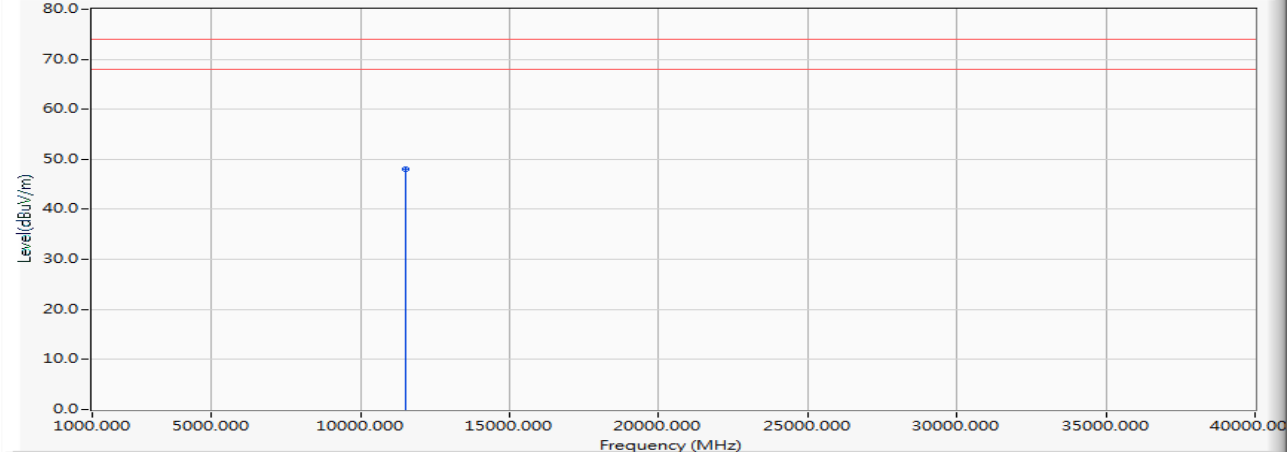
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11400.000 | 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:

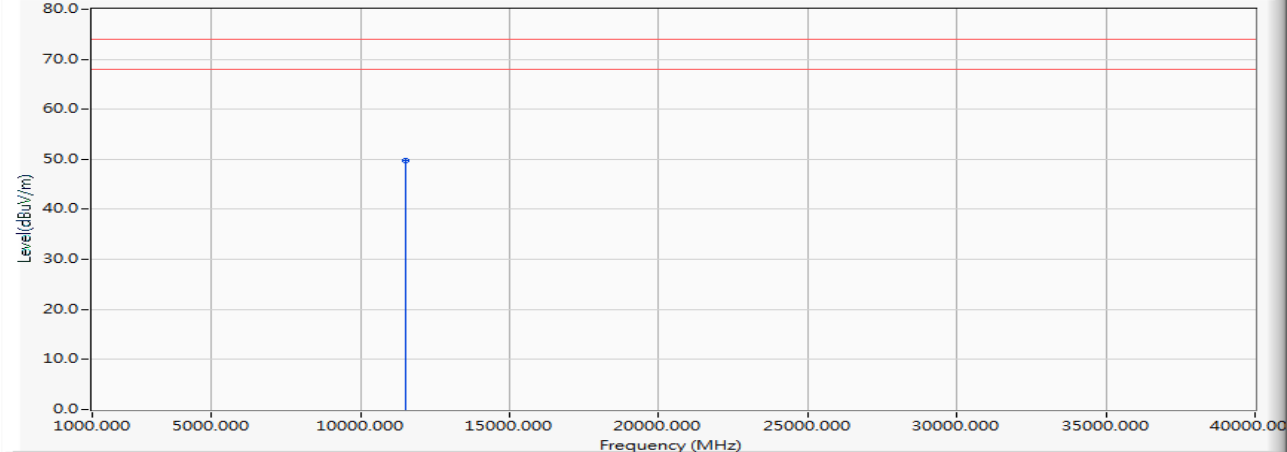
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



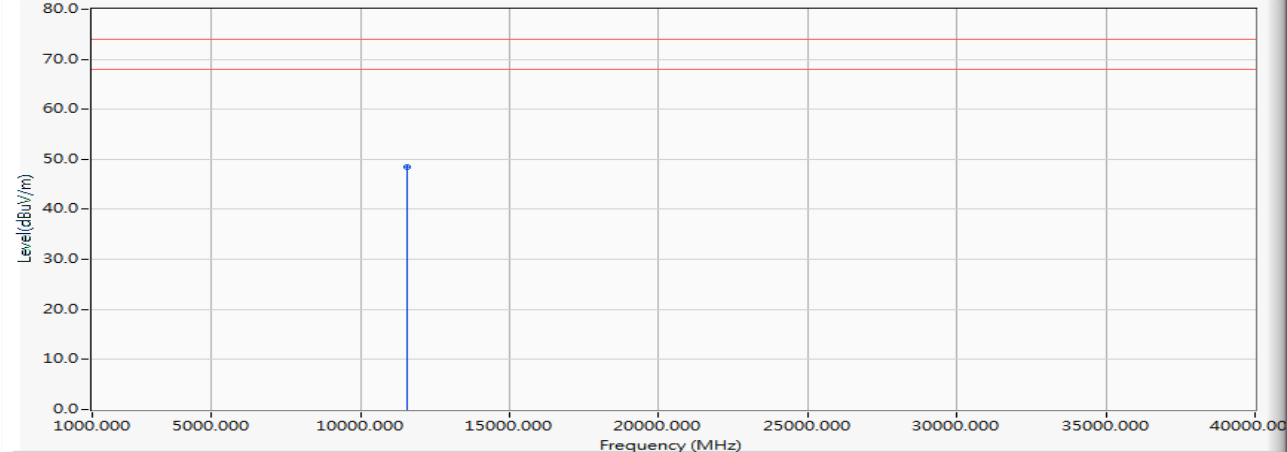
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11490.000 | 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:

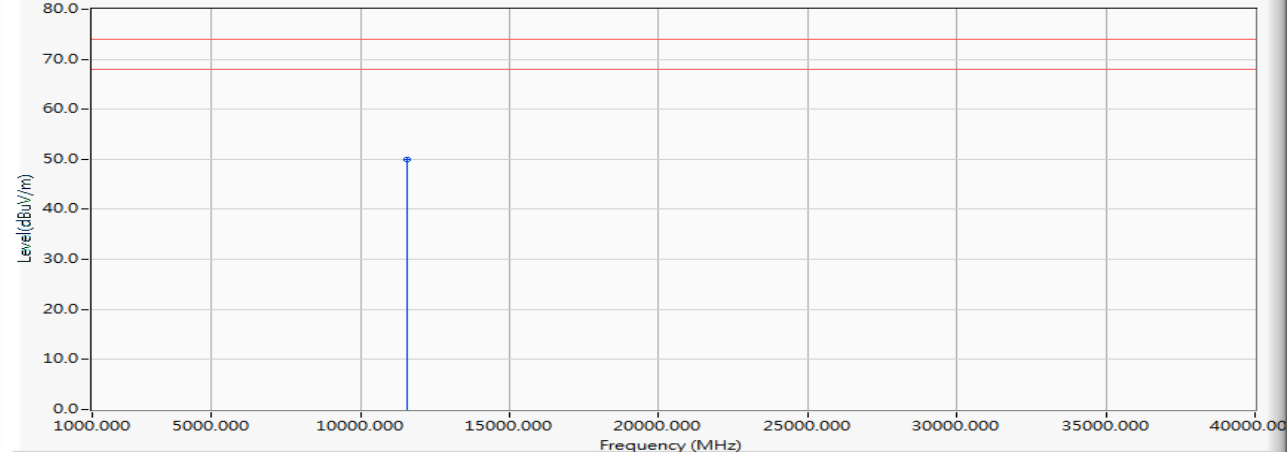
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



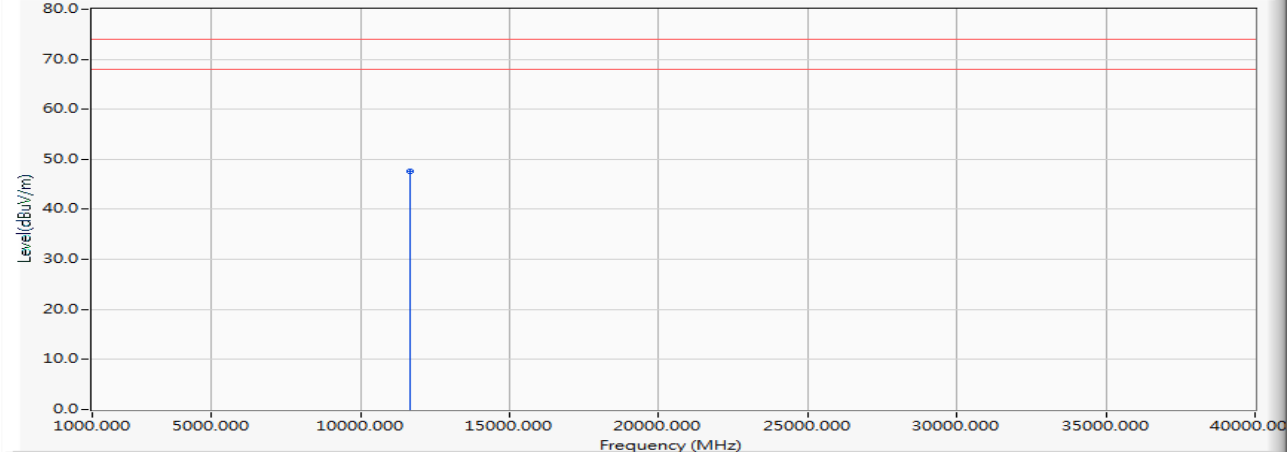
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11570.000 | 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:

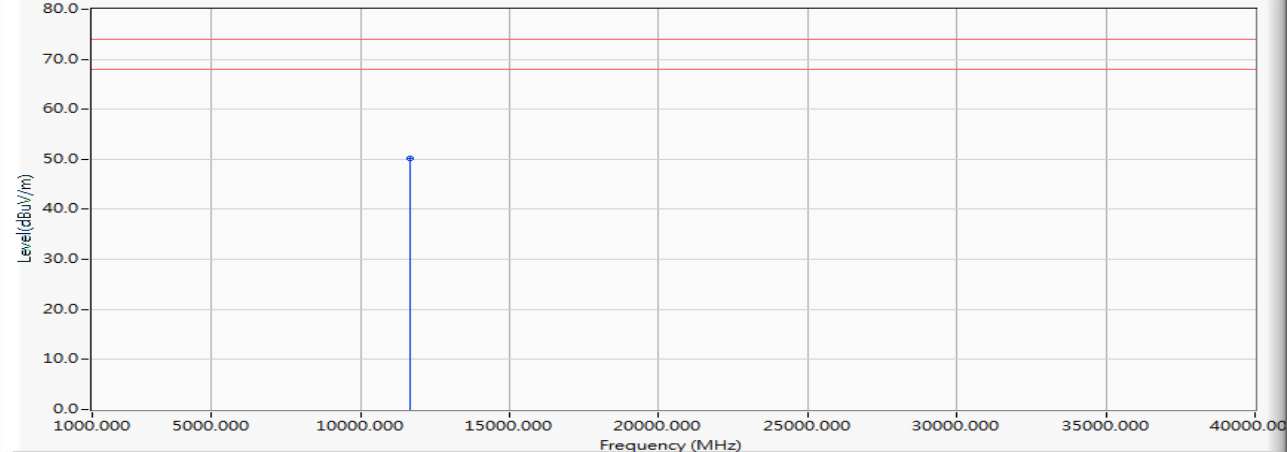
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



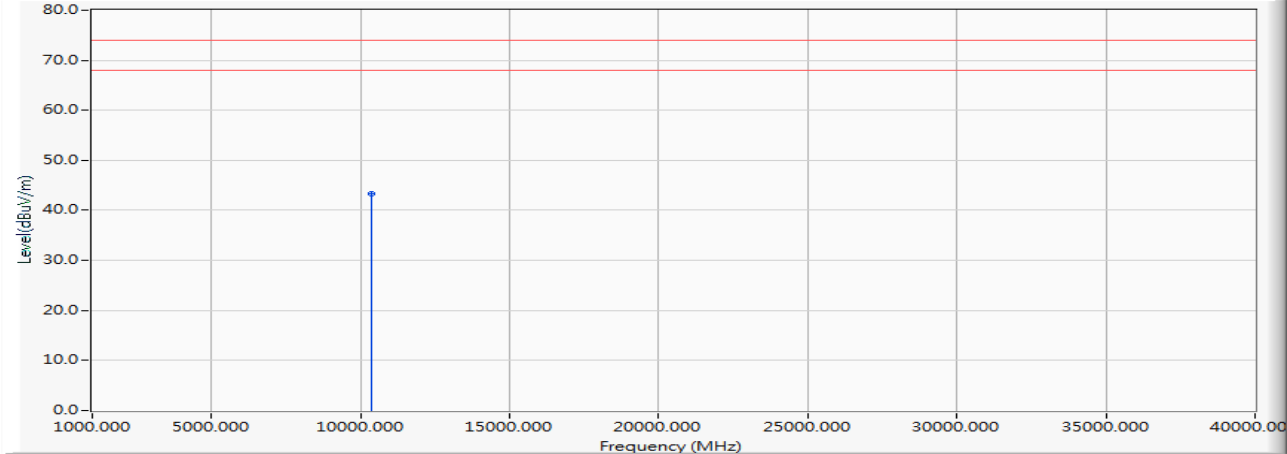
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| 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:

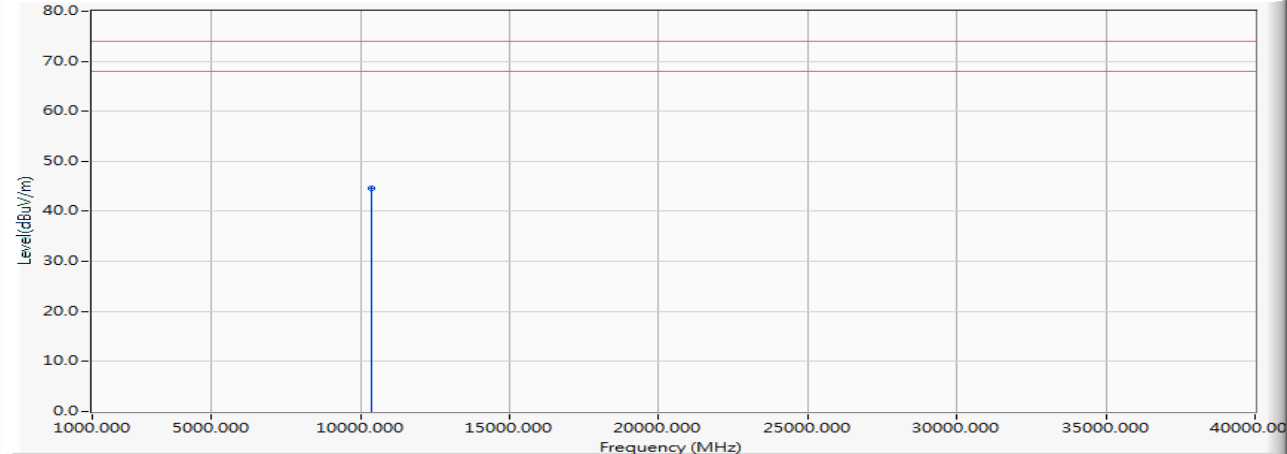
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



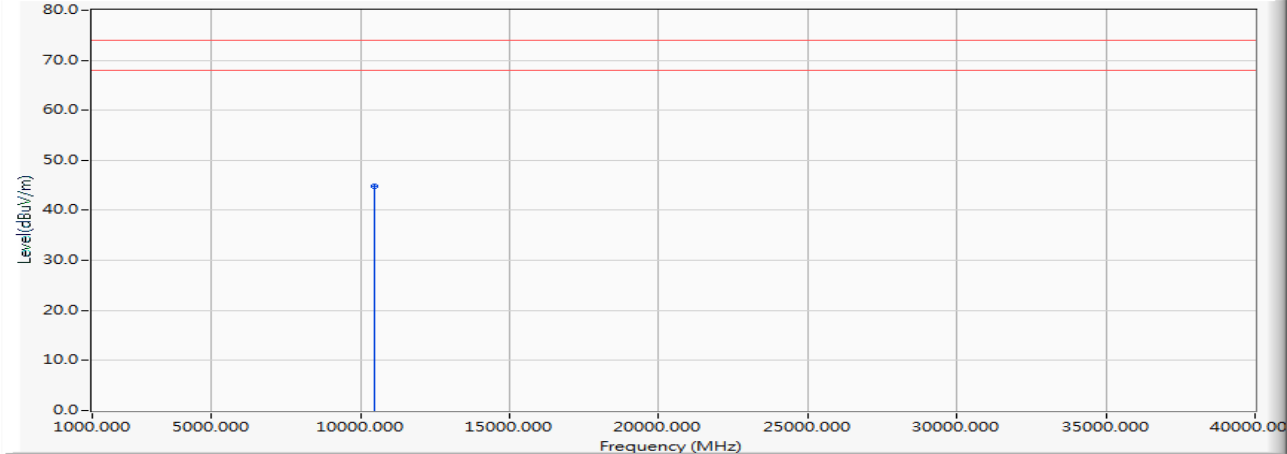
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| 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:

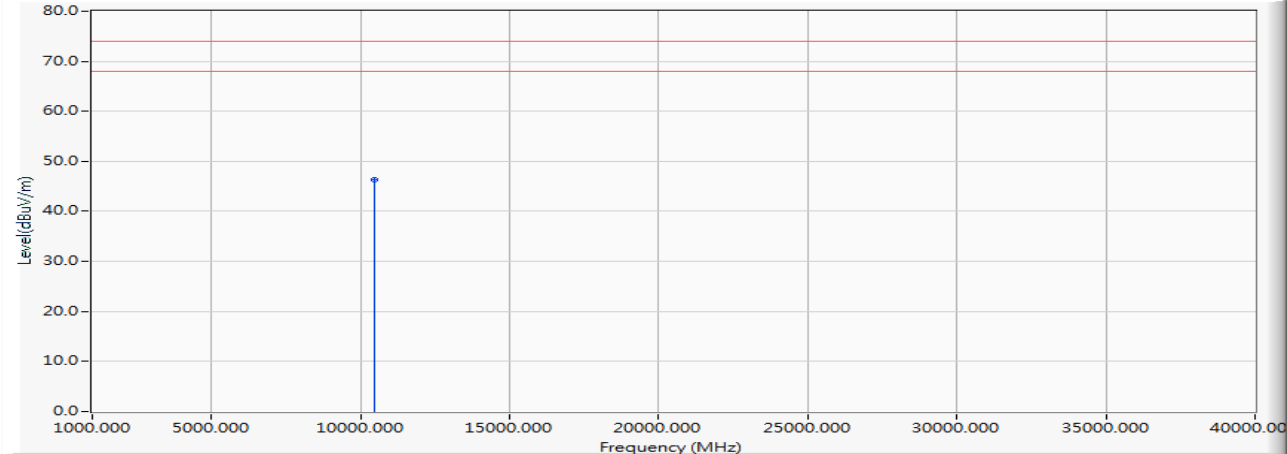
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



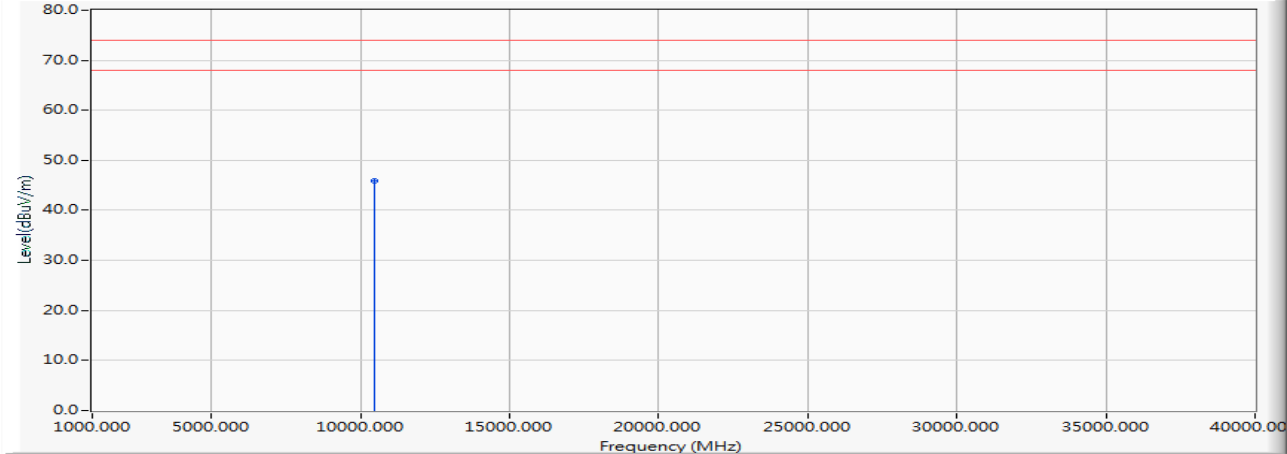
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| 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:

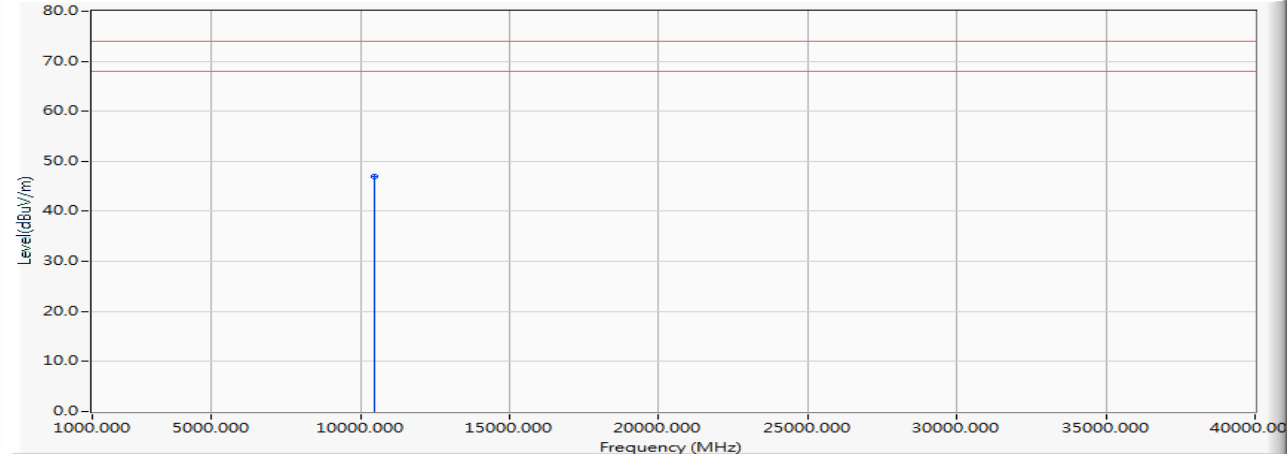
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



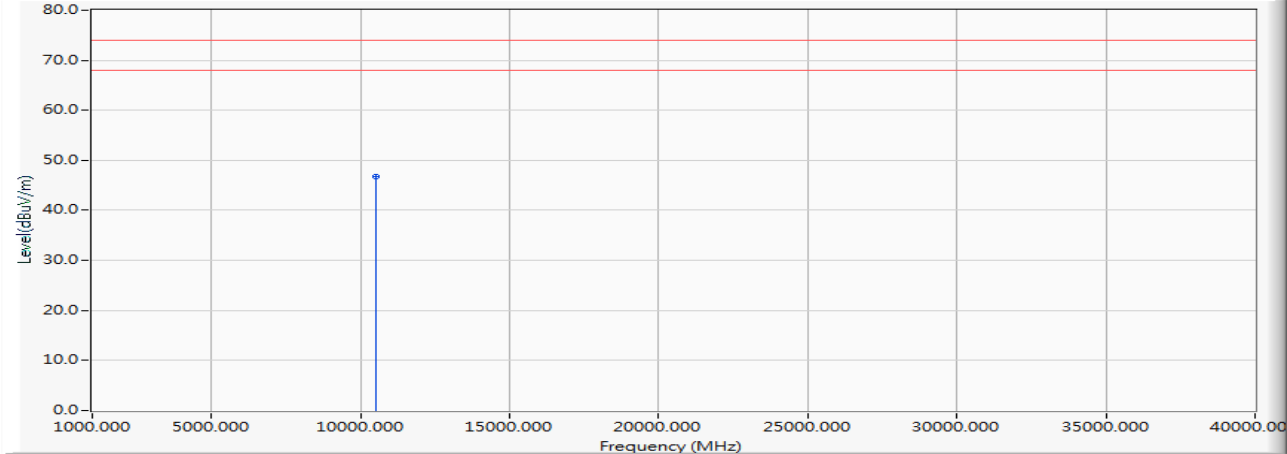
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10480.000 | 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:

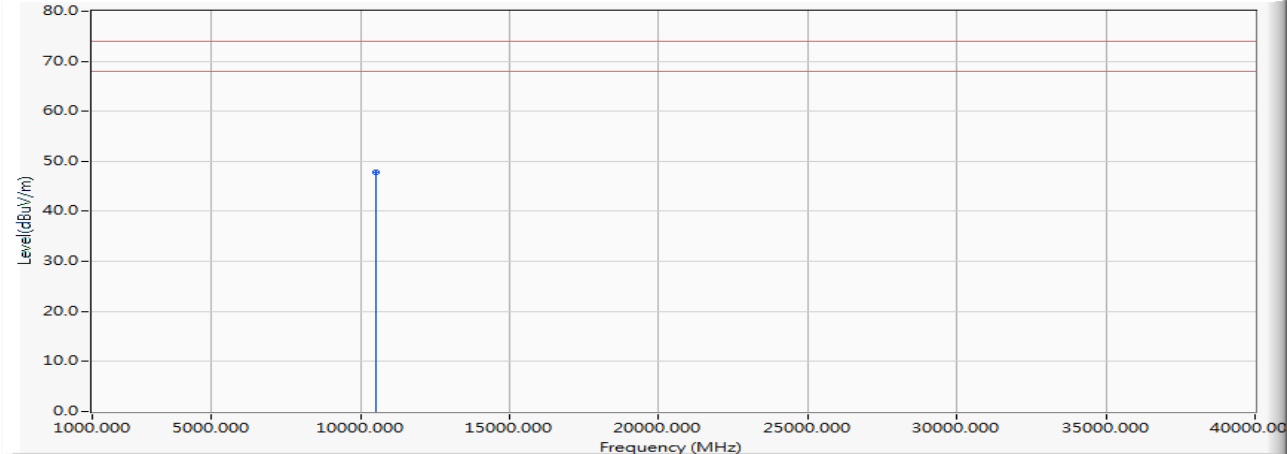
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



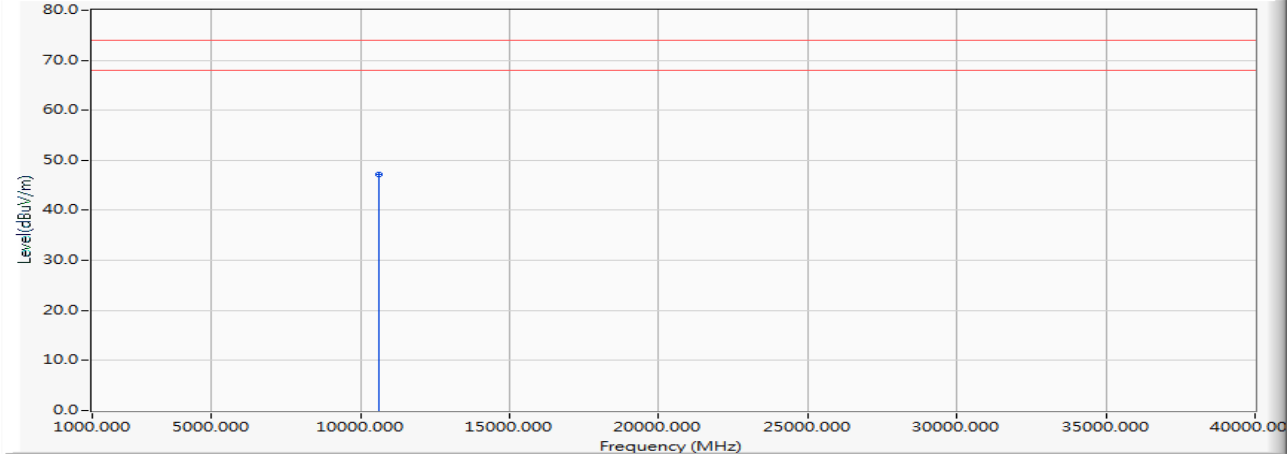
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10520.000 | 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:

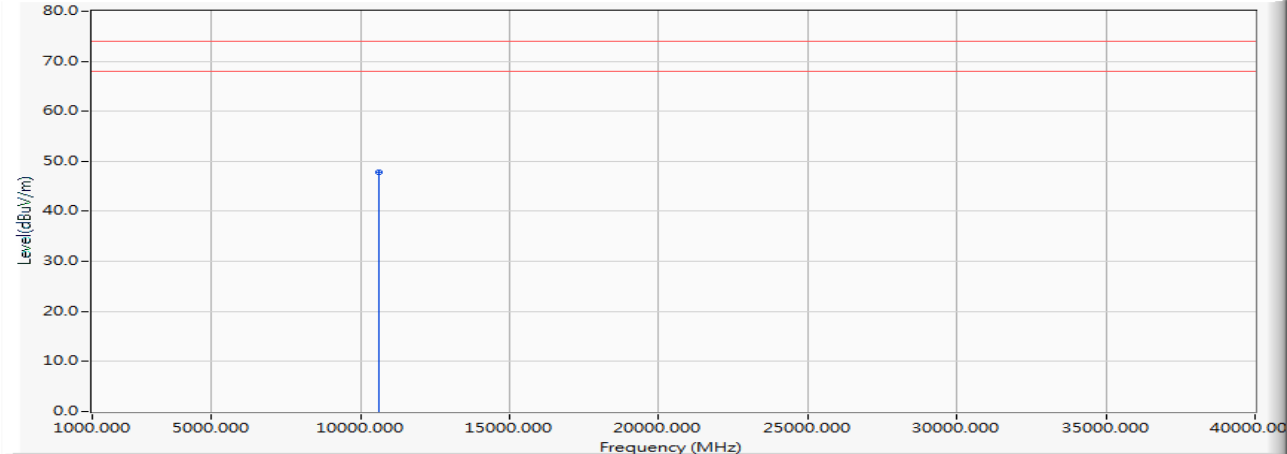
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



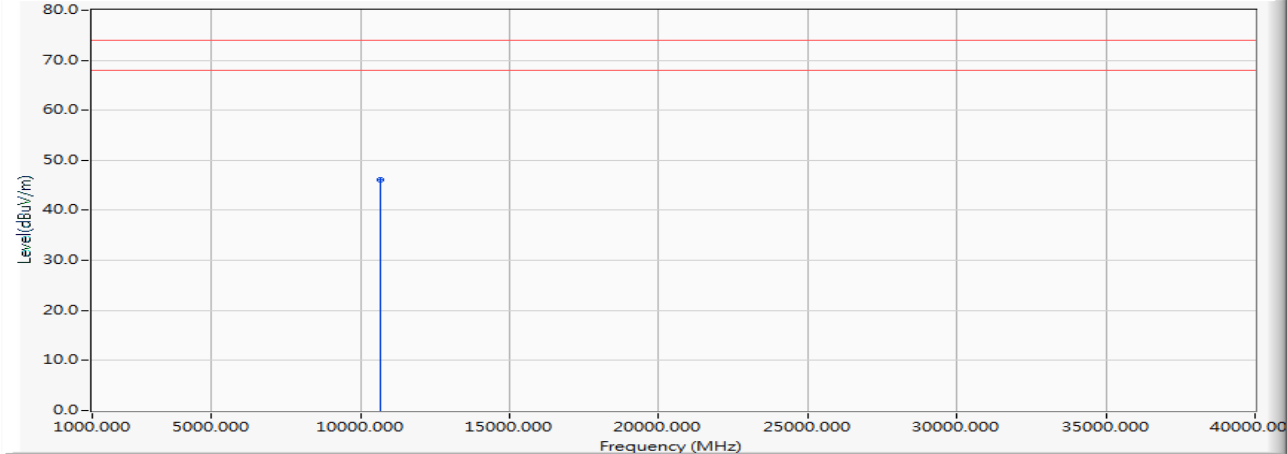
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10600.000 | 16.480 | 30.643 | 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:

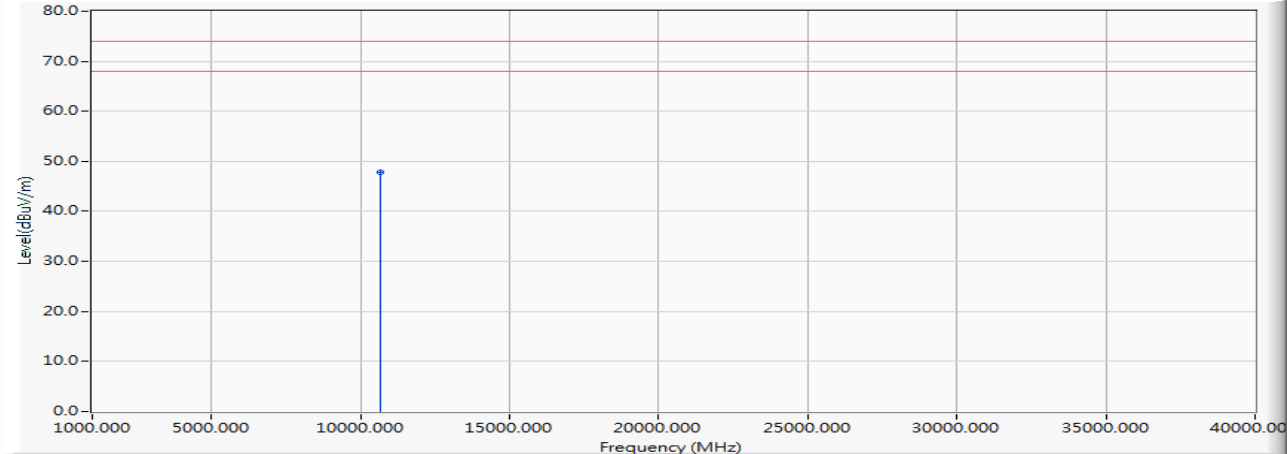
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



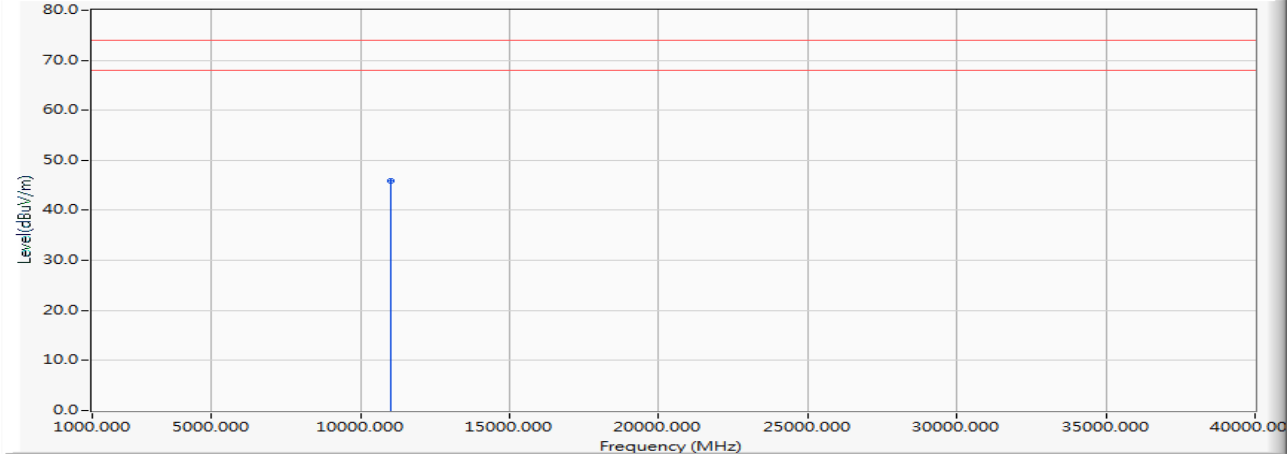
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| 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:

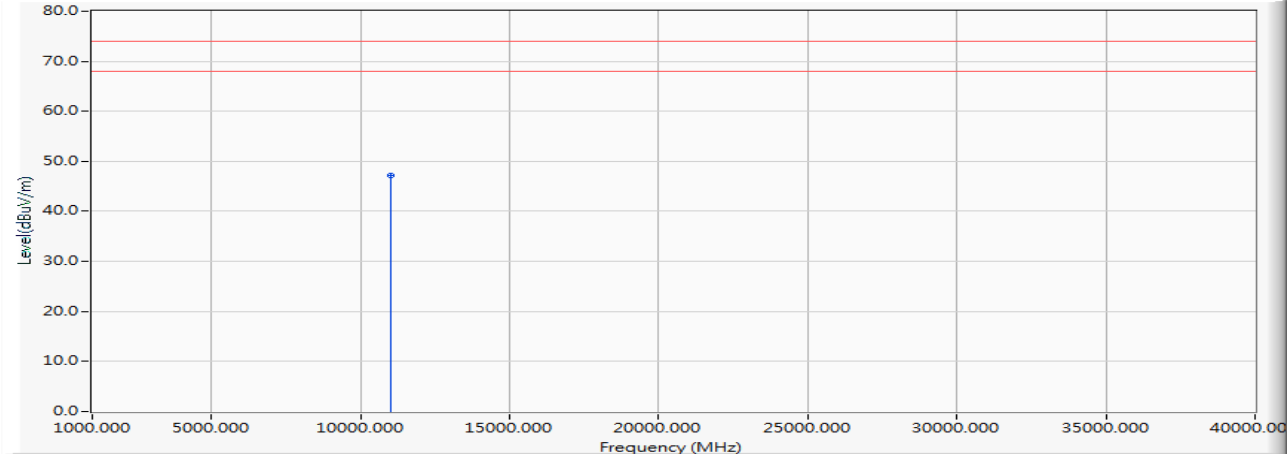
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



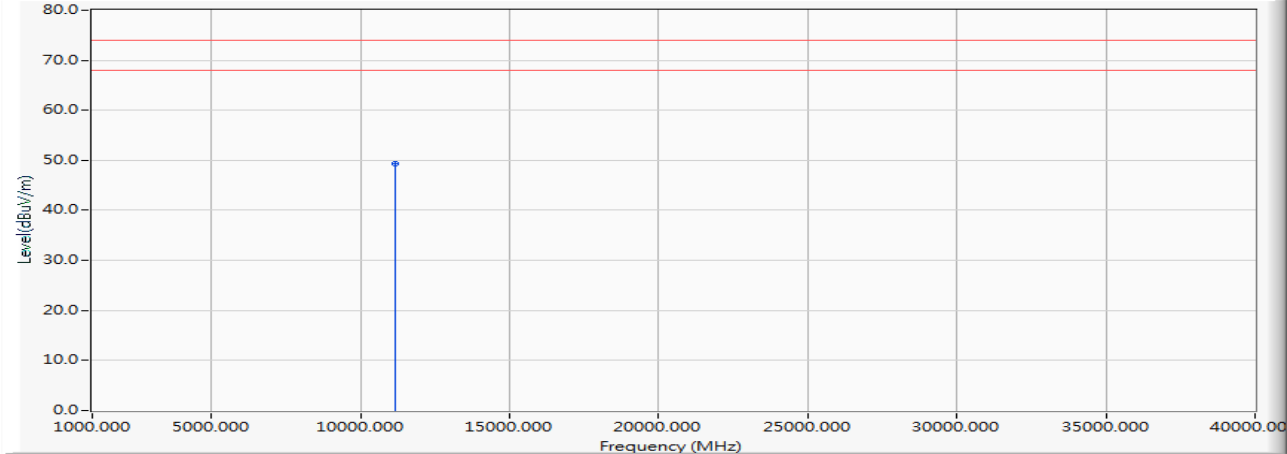
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 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:

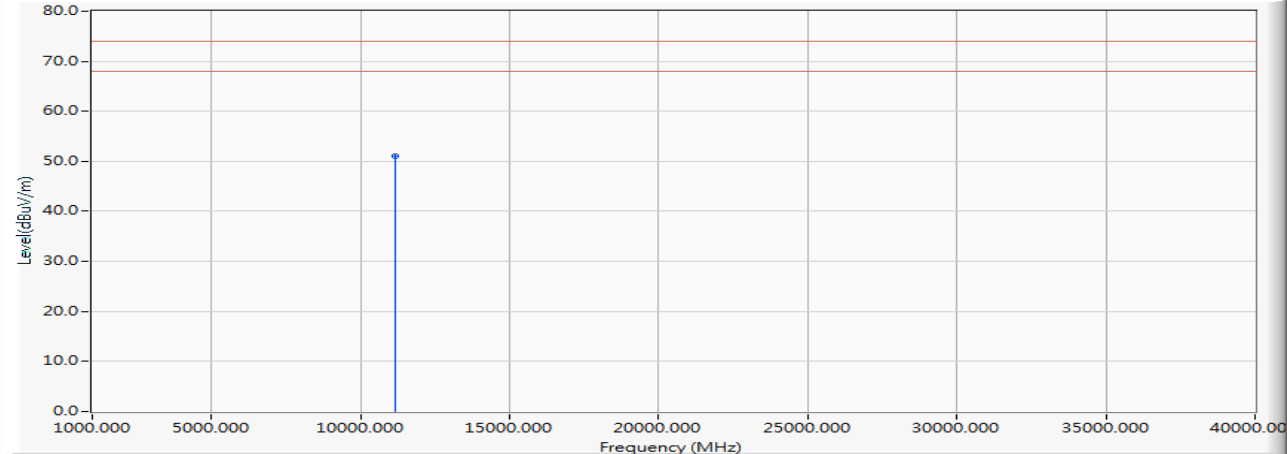
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



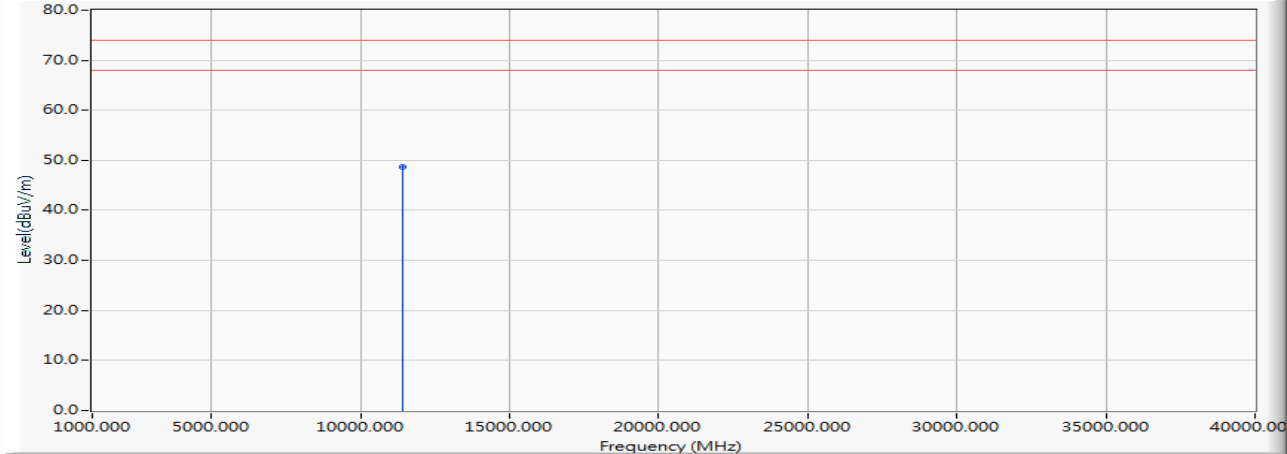
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11160.000 | 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:

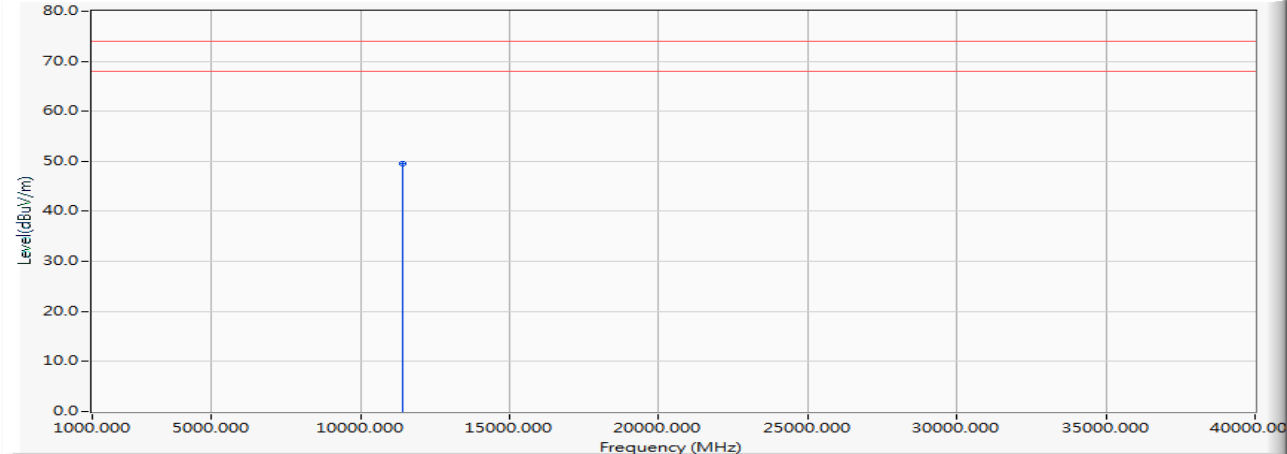
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



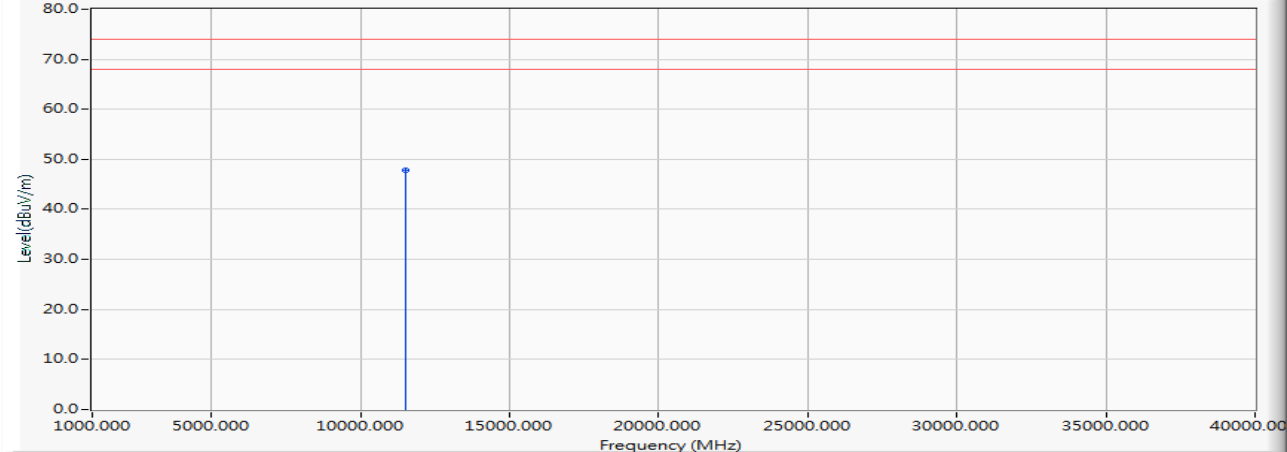
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11400.000 | 17.433 | 31.267 | 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:

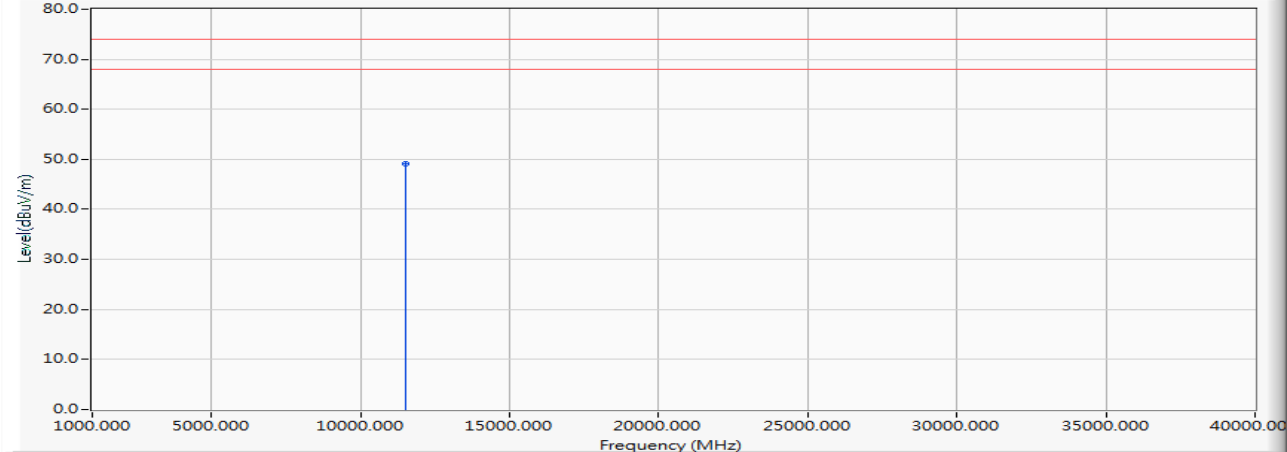
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



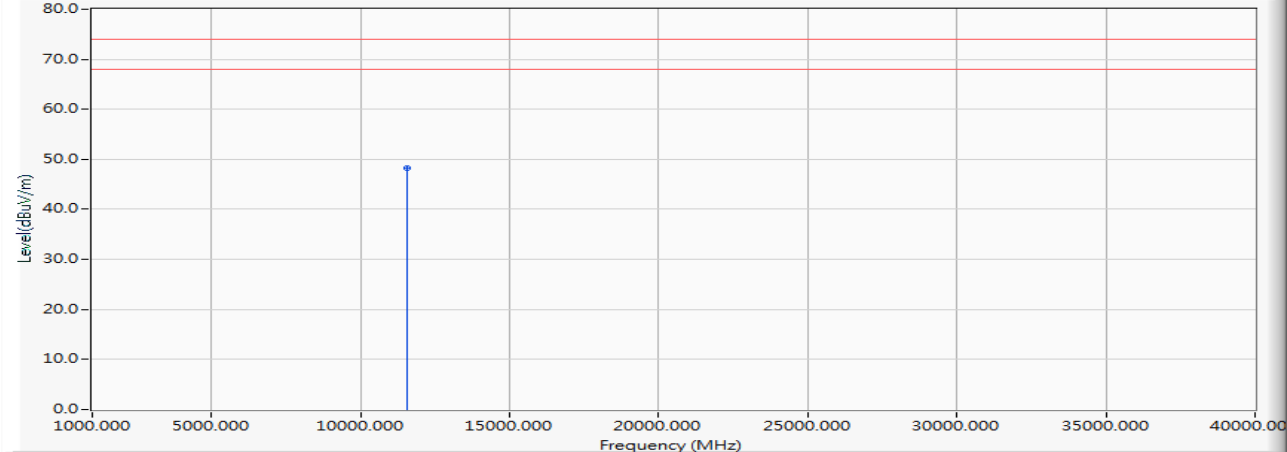
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11490.000 | 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:

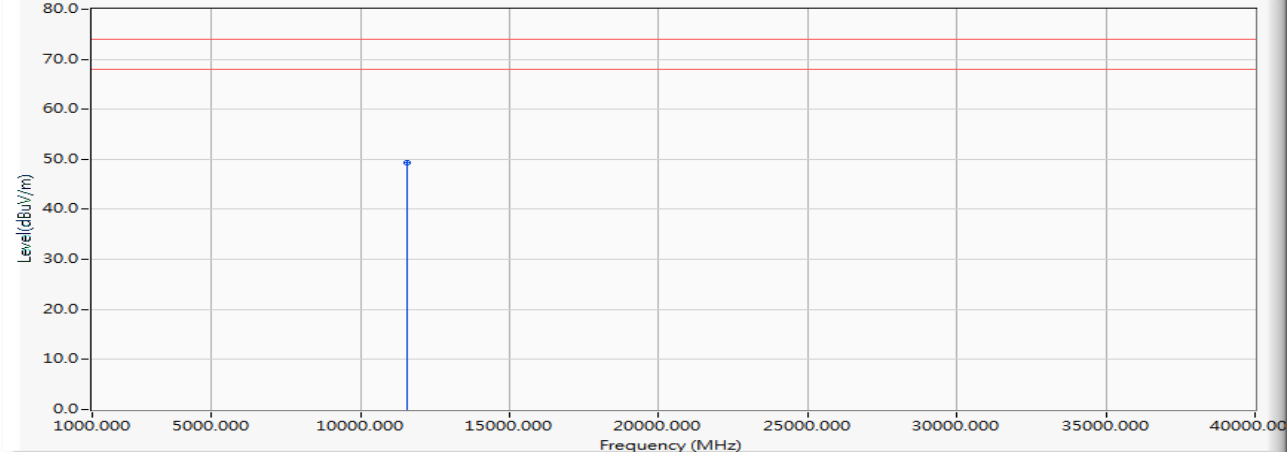
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



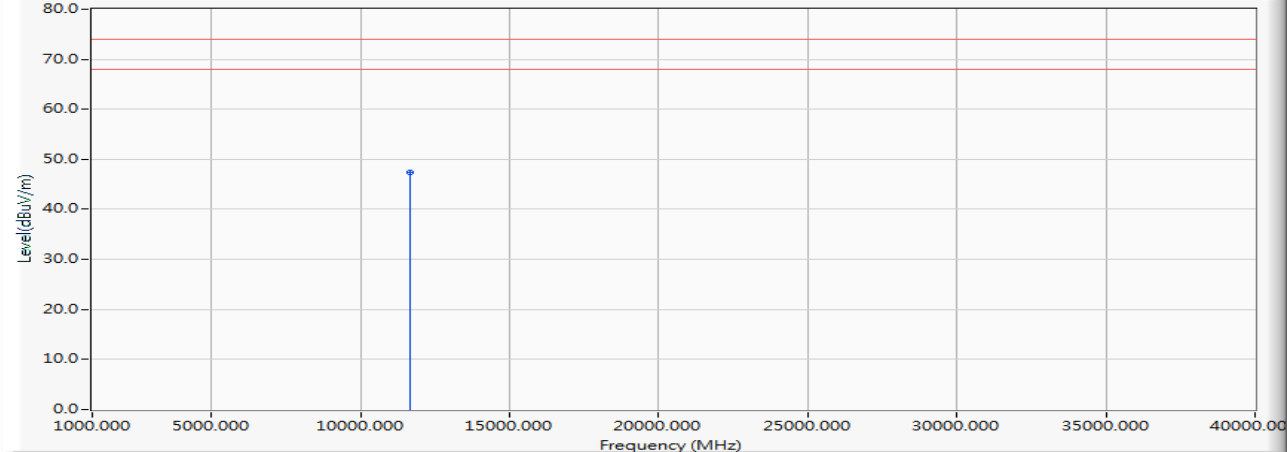
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 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:

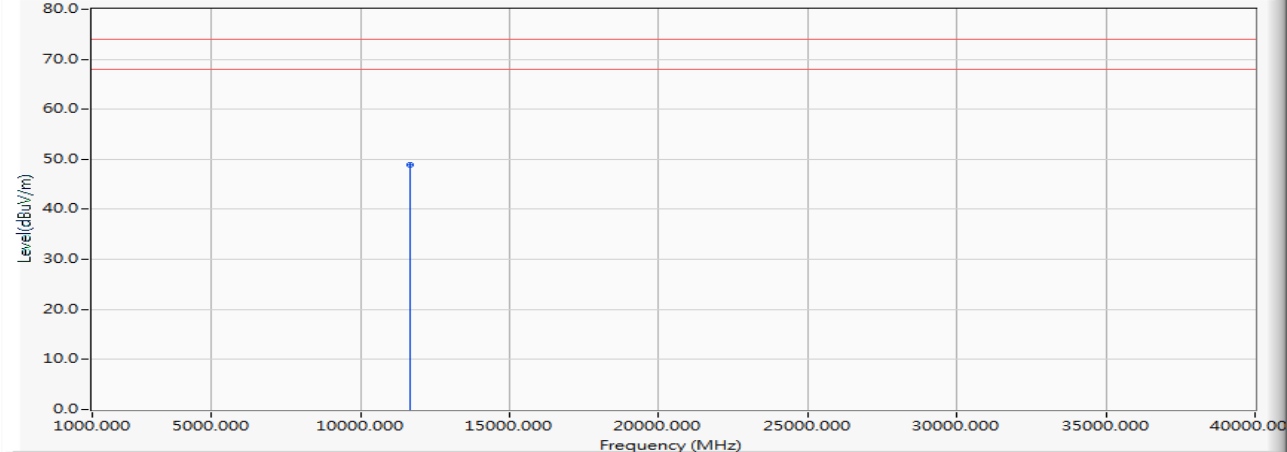
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



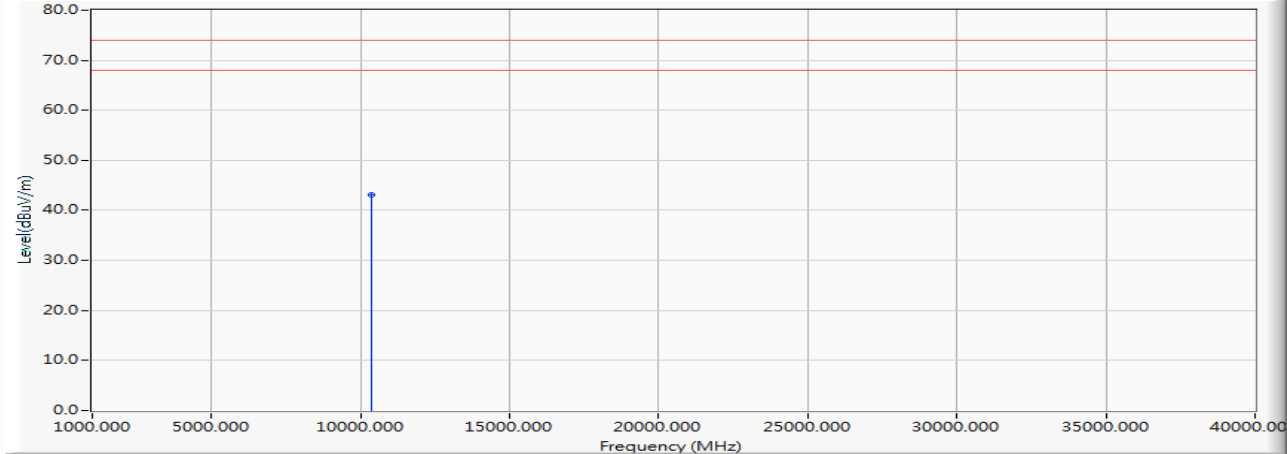
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11650.000 | 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:

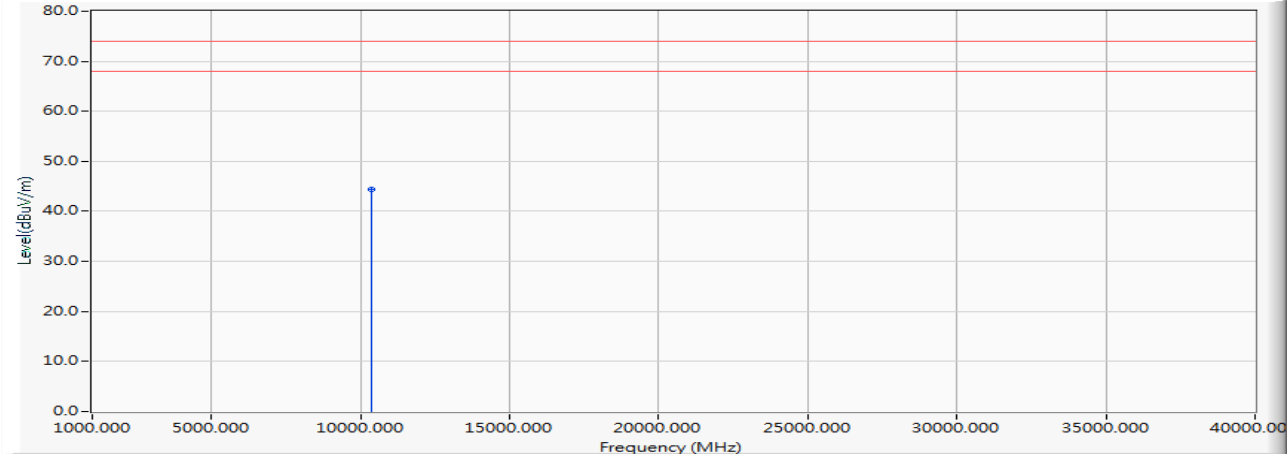
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



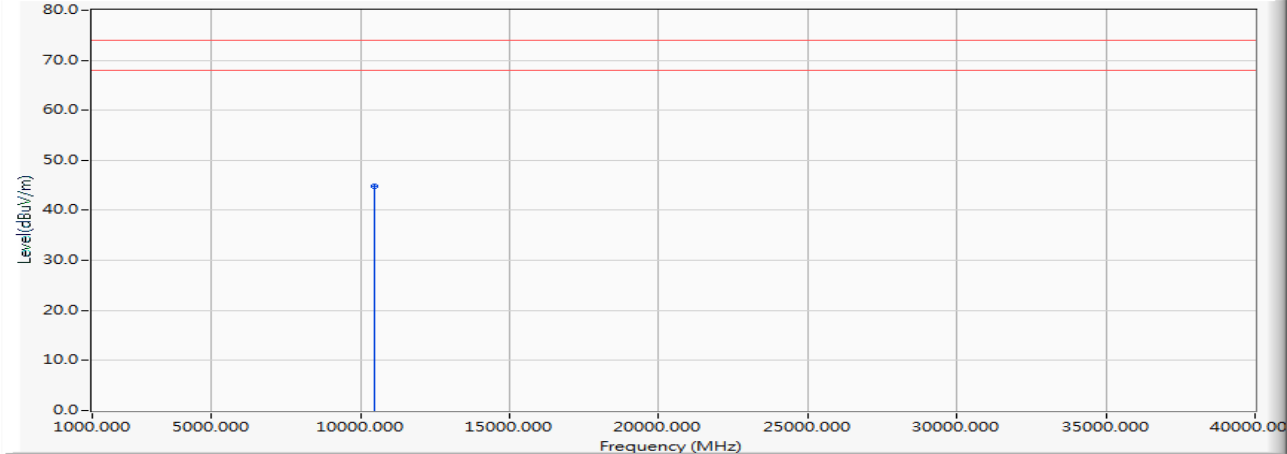
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10380.000 | 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:

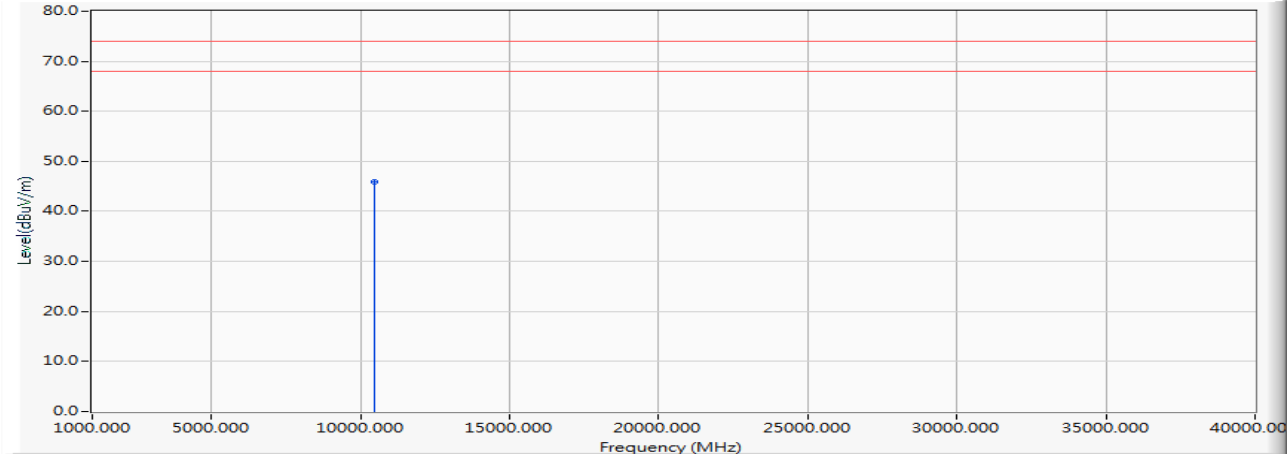
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



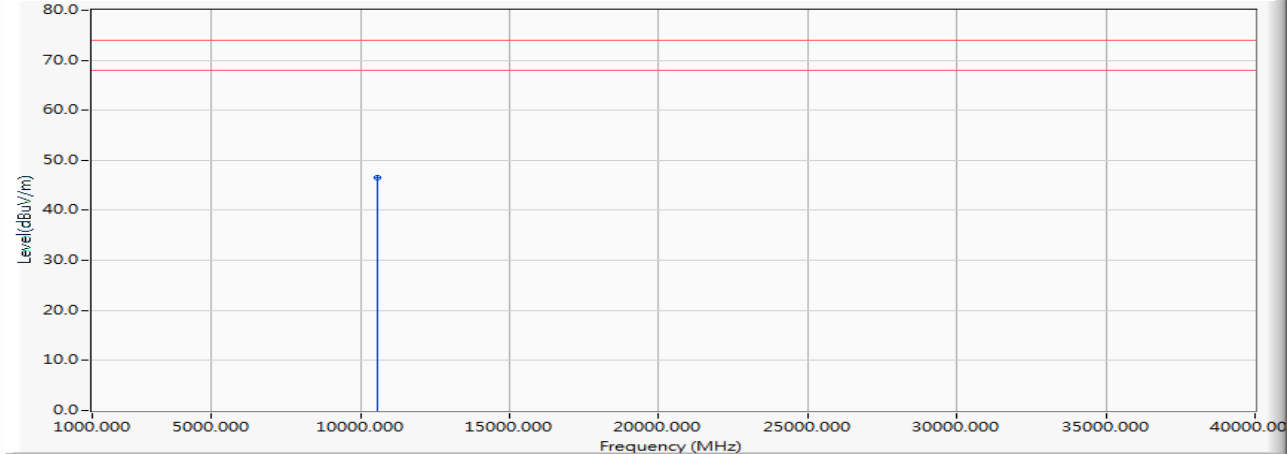
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 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:

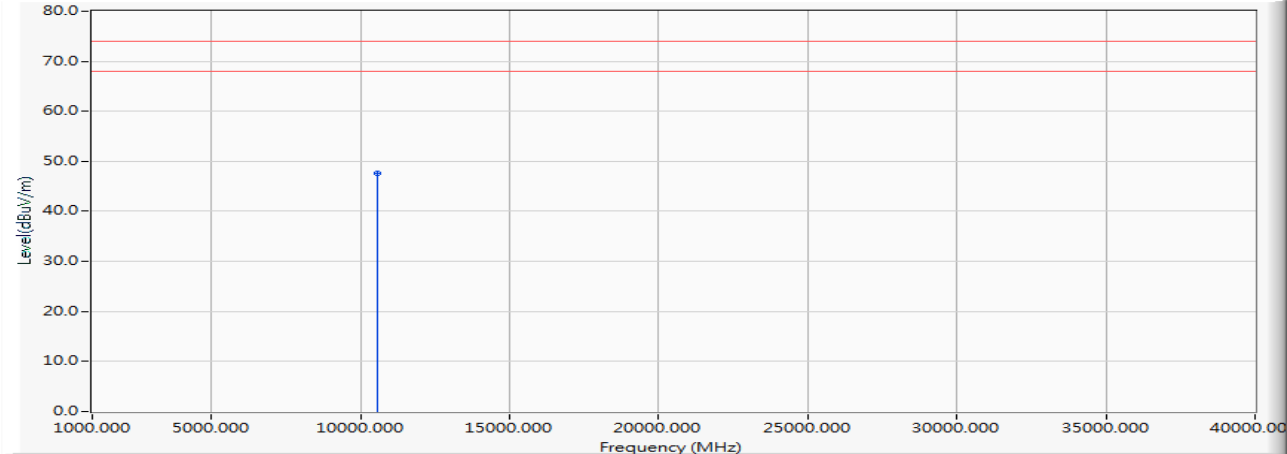
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



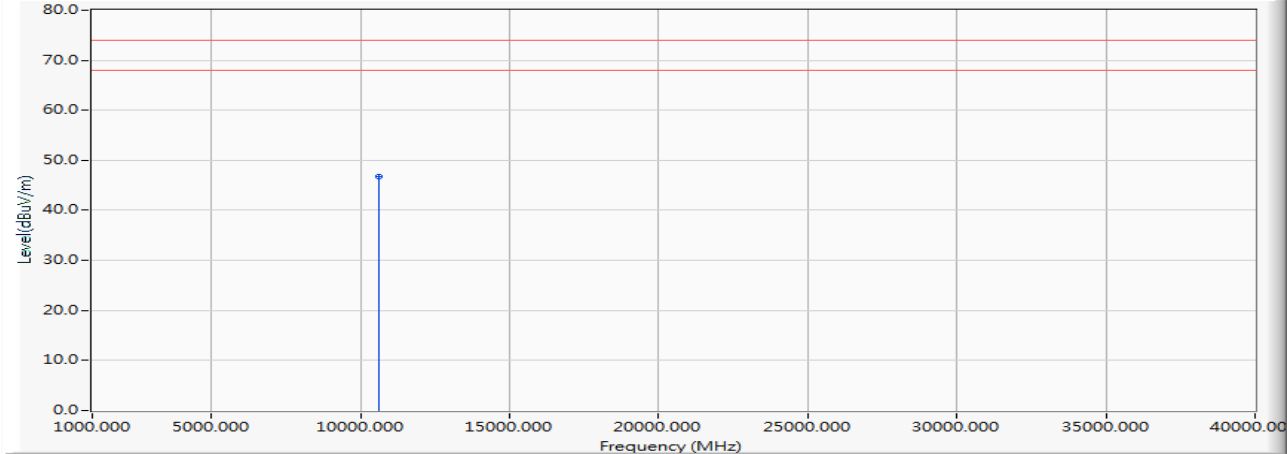
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| 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:

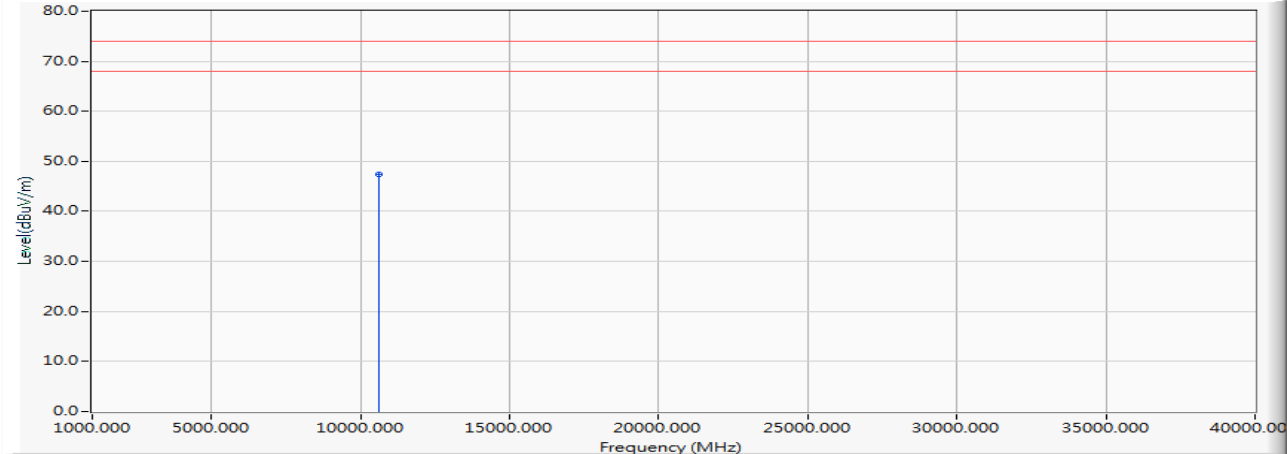
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



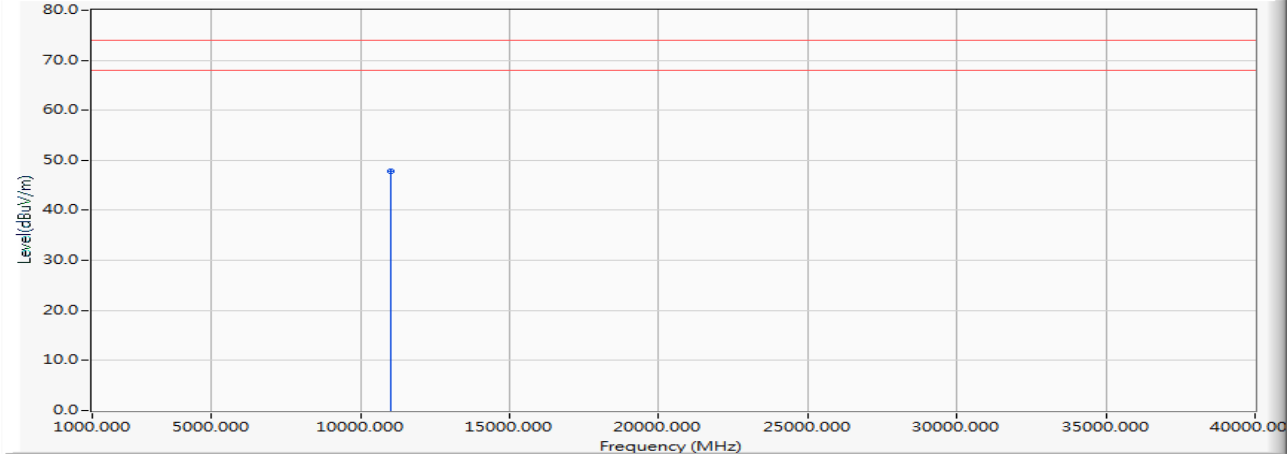
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| 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:

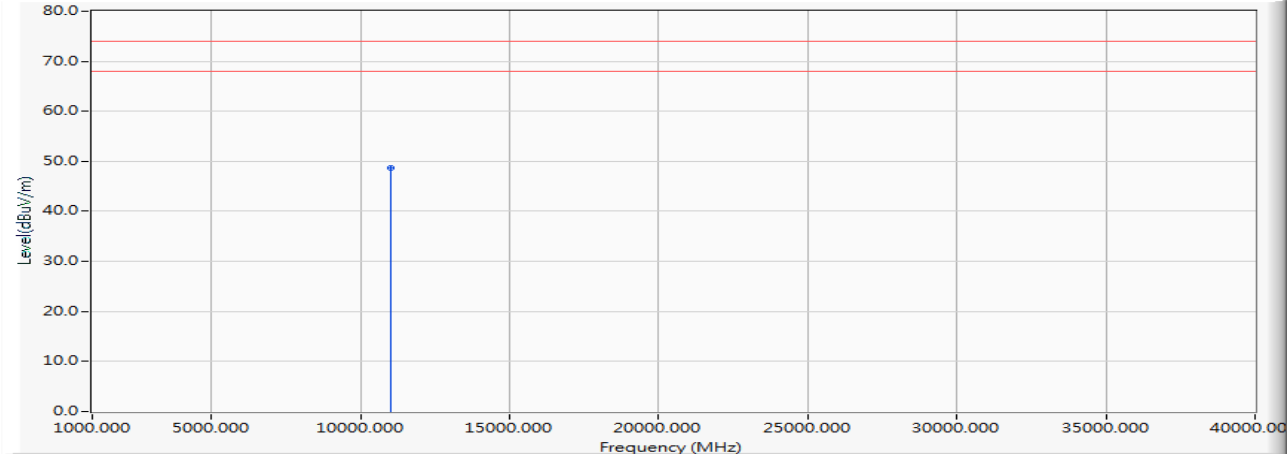
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



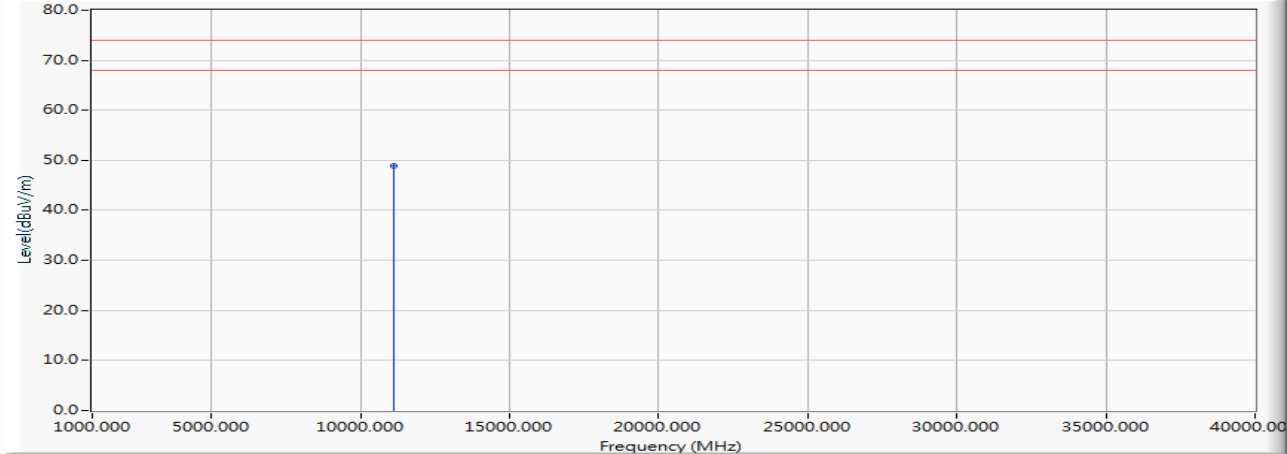
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|--------------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11020.000 | 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:

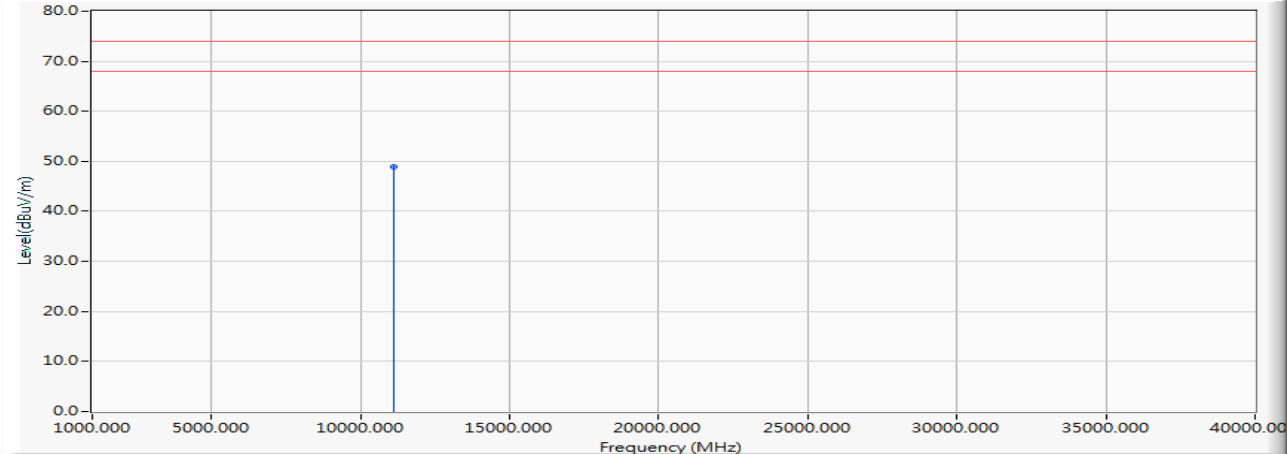
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



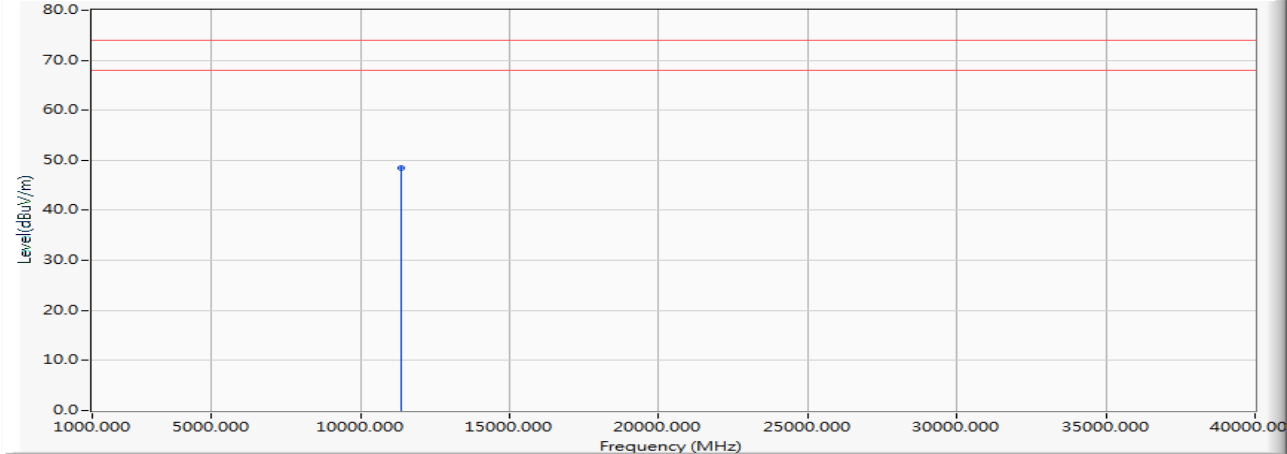
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 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:

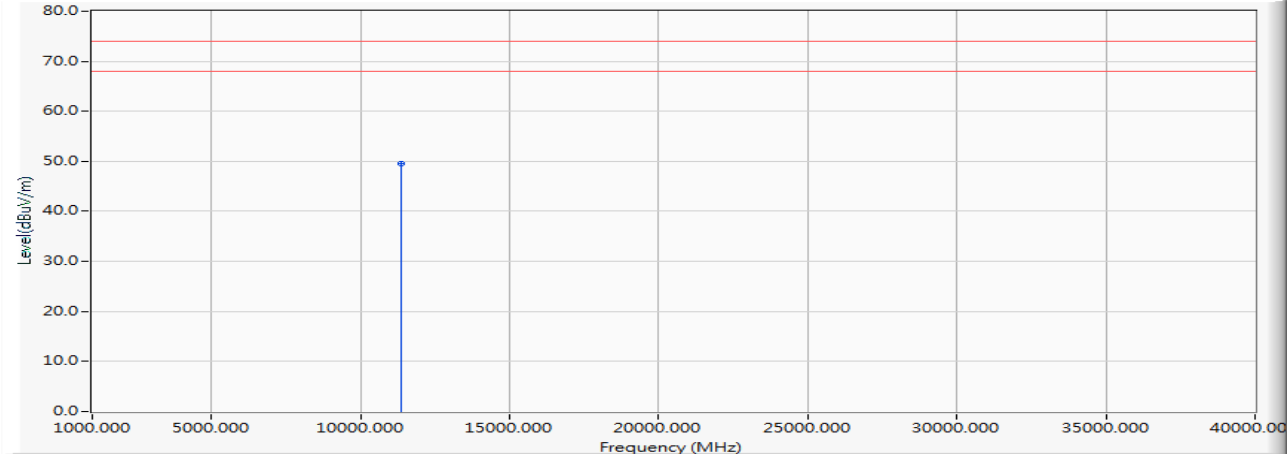
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



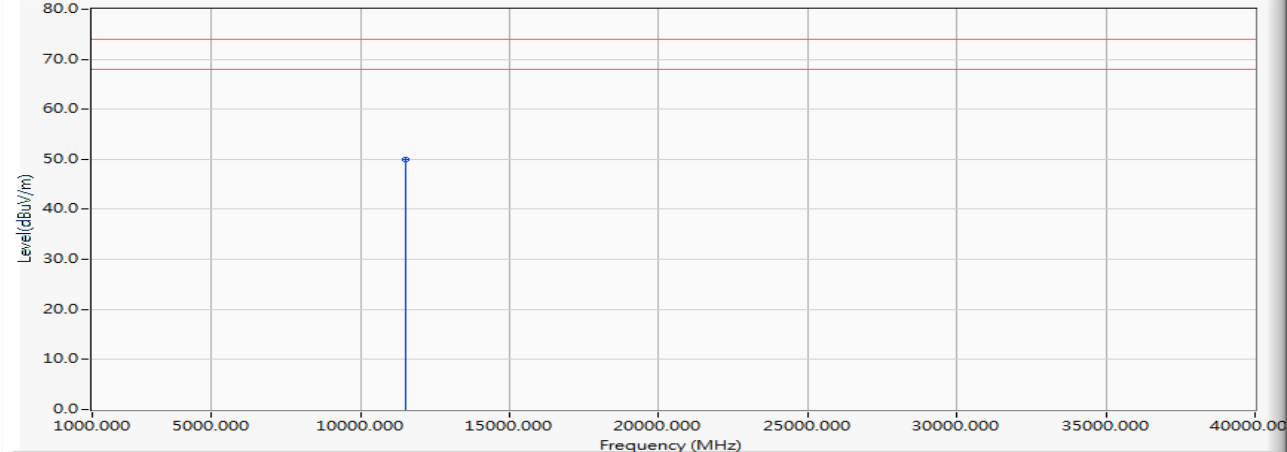
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| 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:

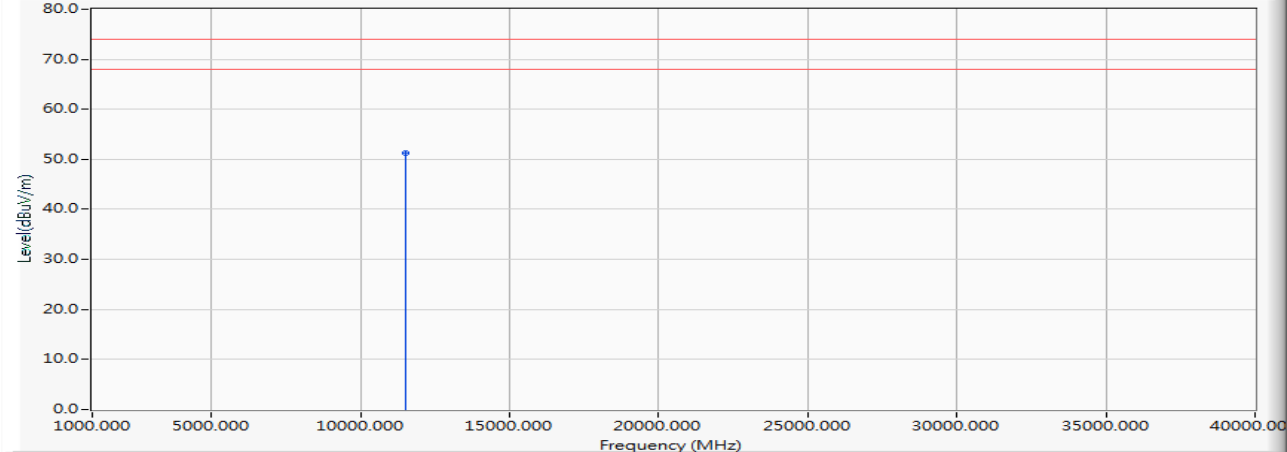
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



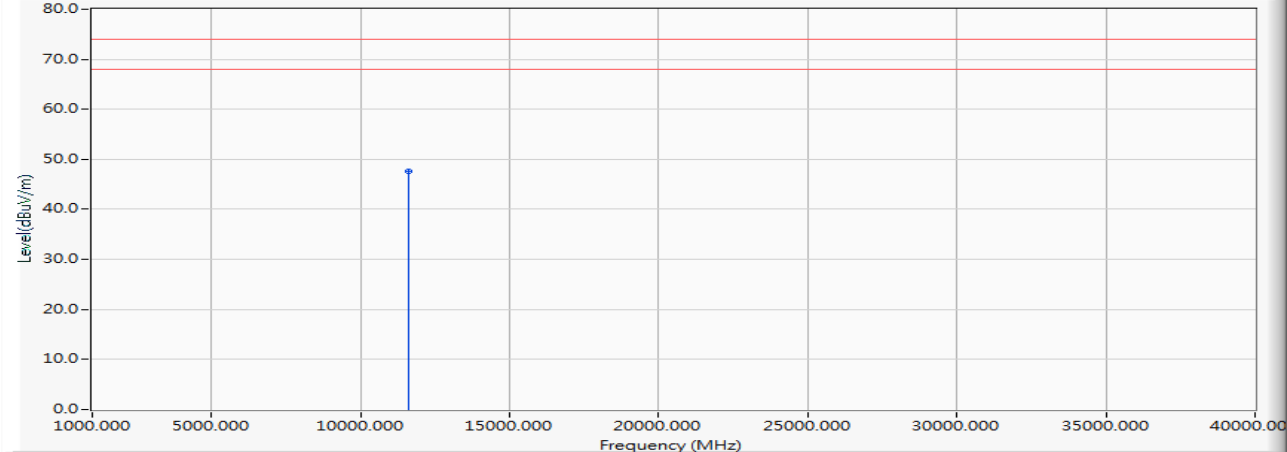
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11510.000 | 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:

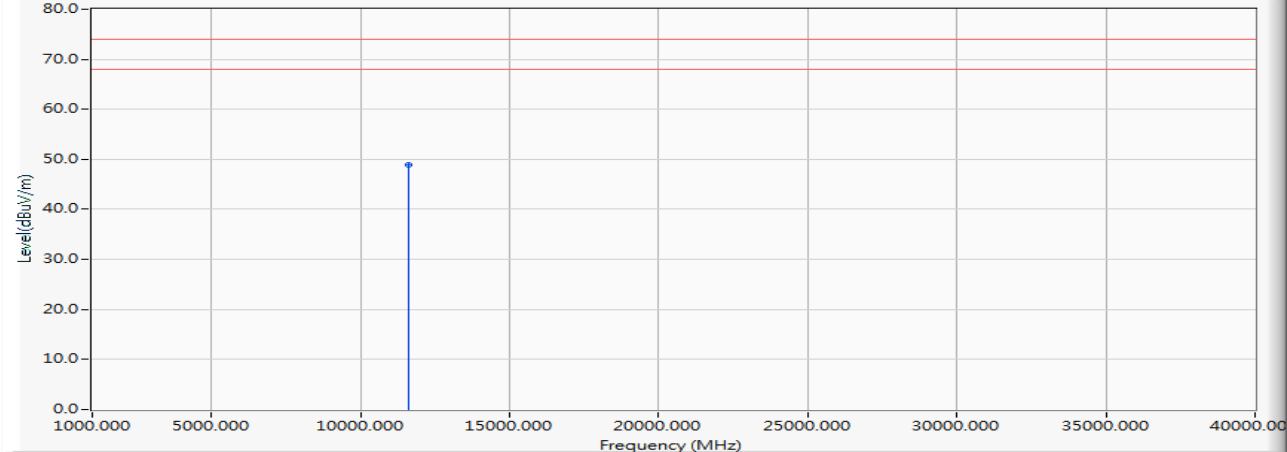
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



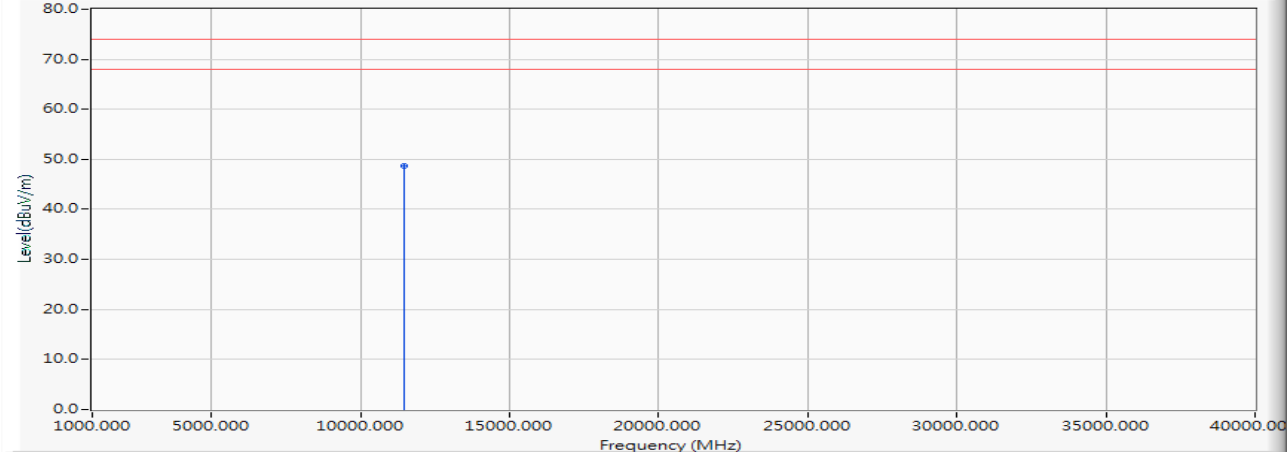
| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| 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:

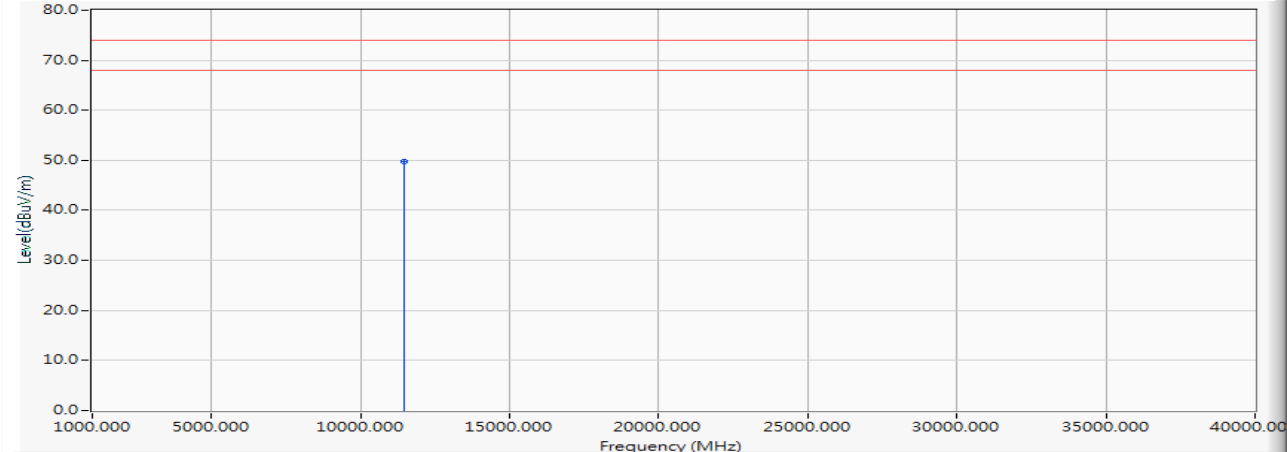
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



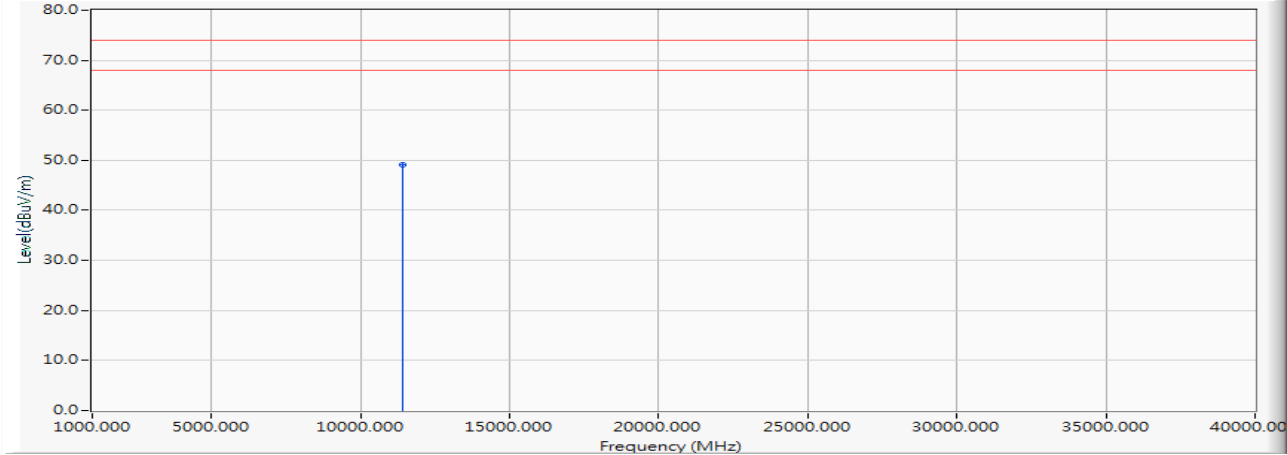
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11440.000 | 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:

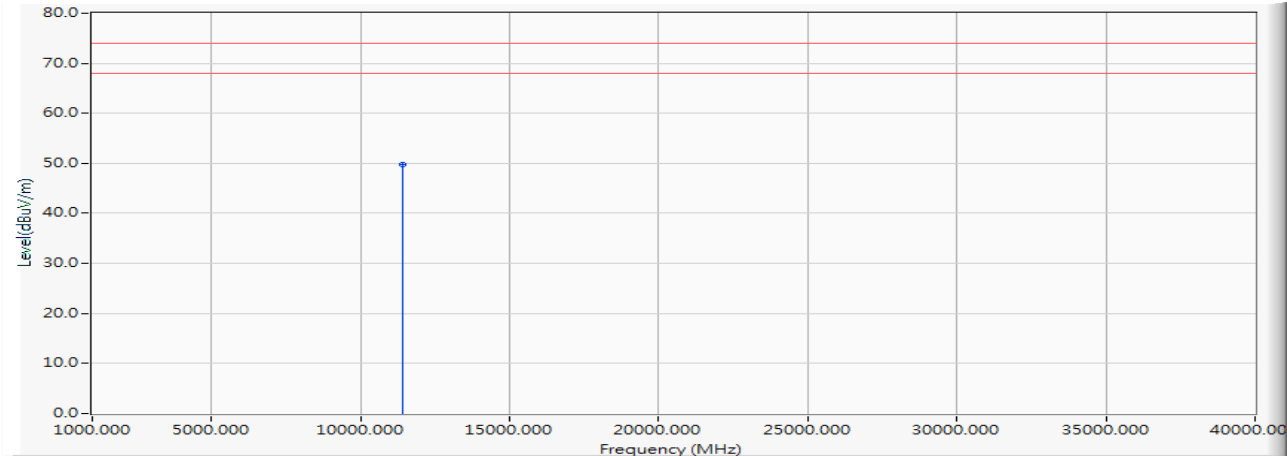
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



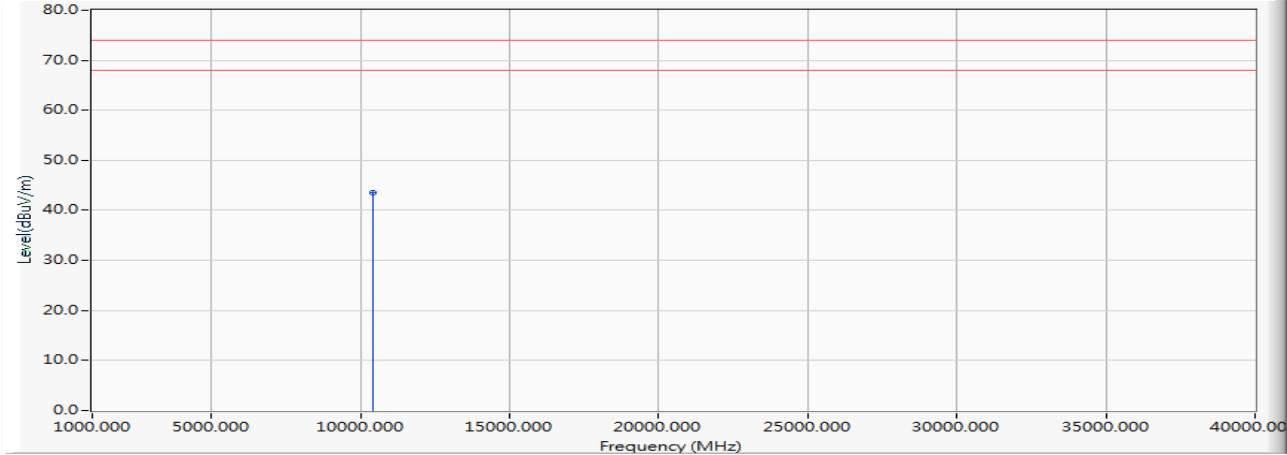
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 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:

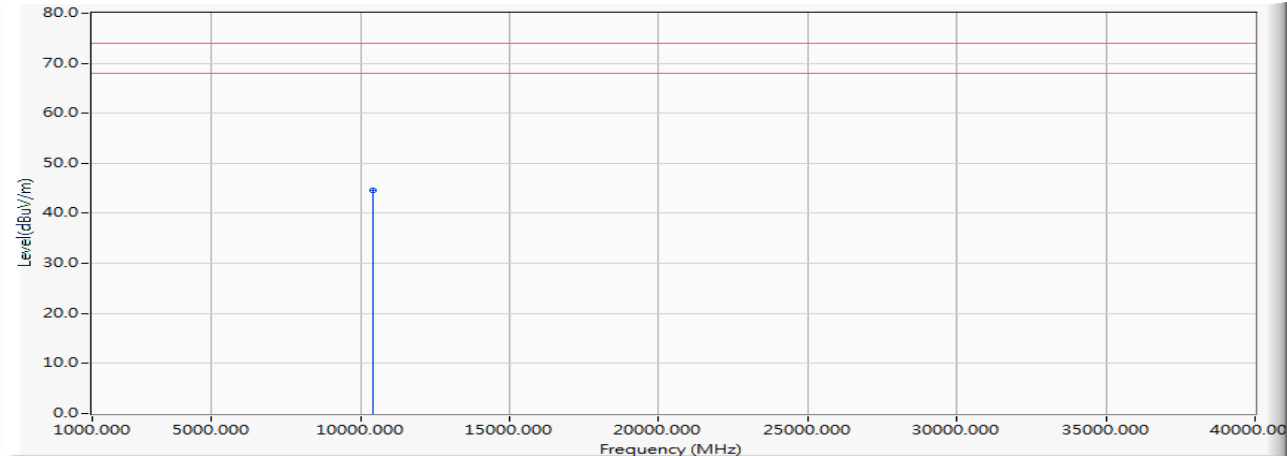
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



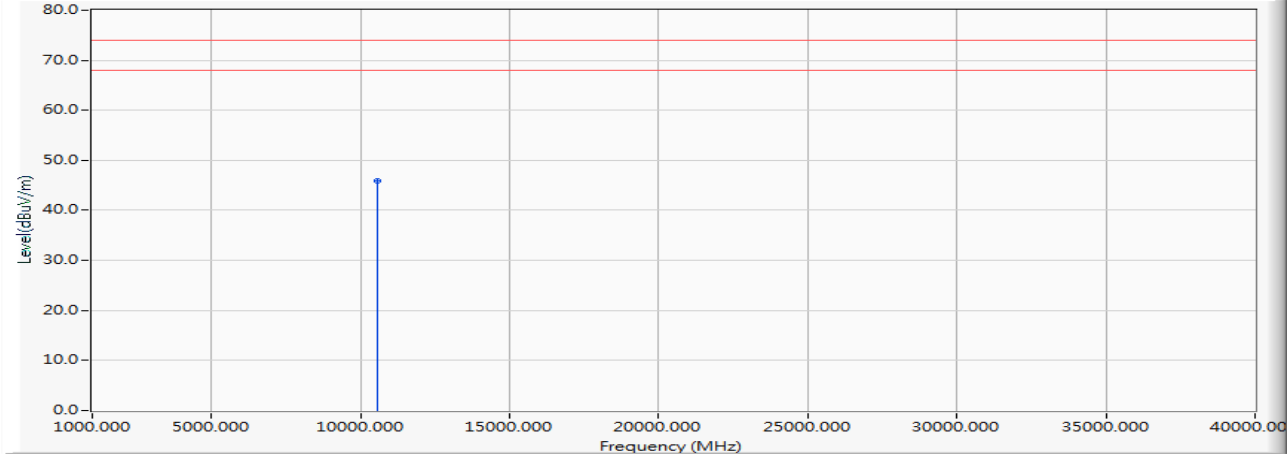
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 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:

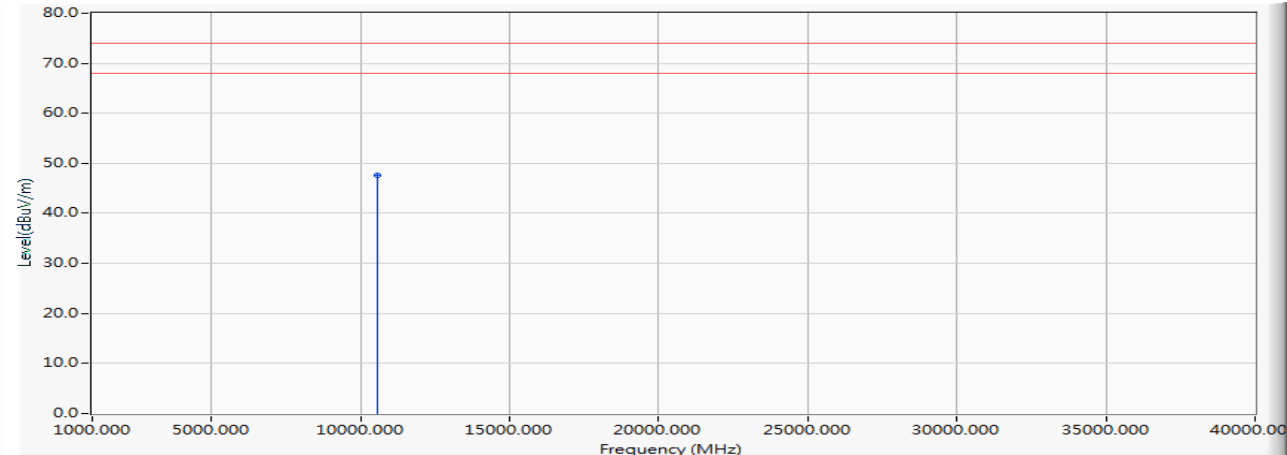
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



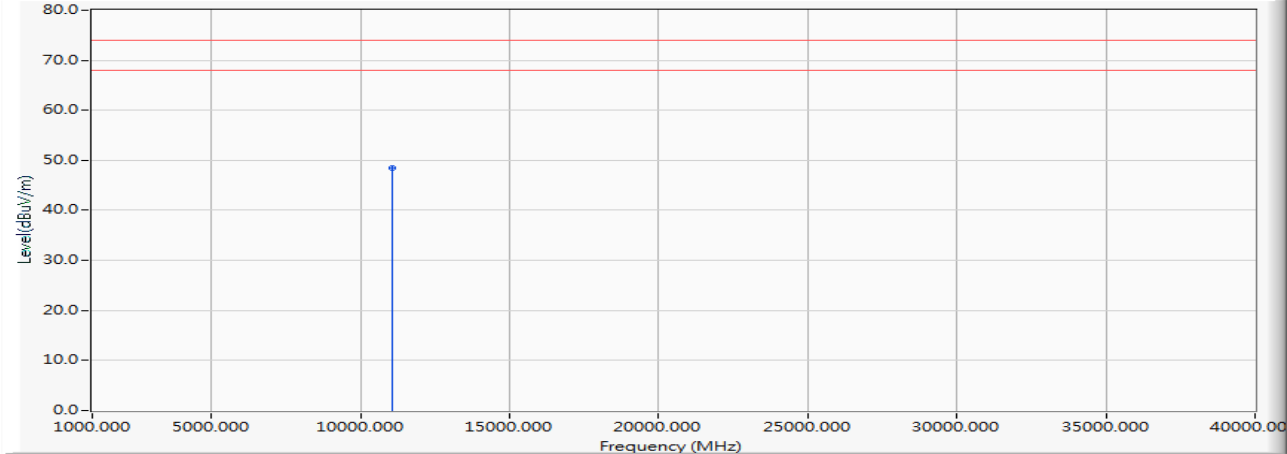
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10580.000 | 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:

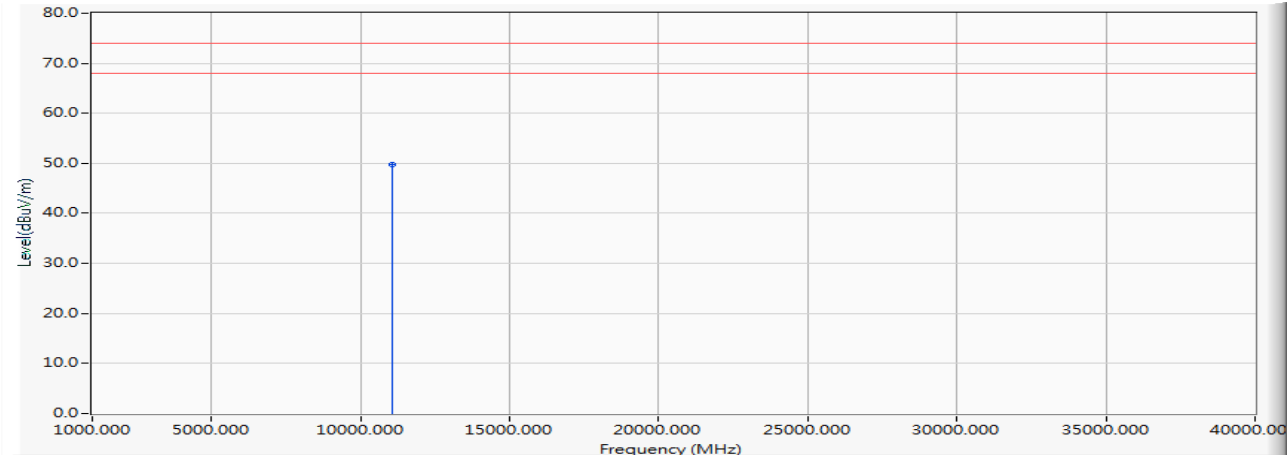
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



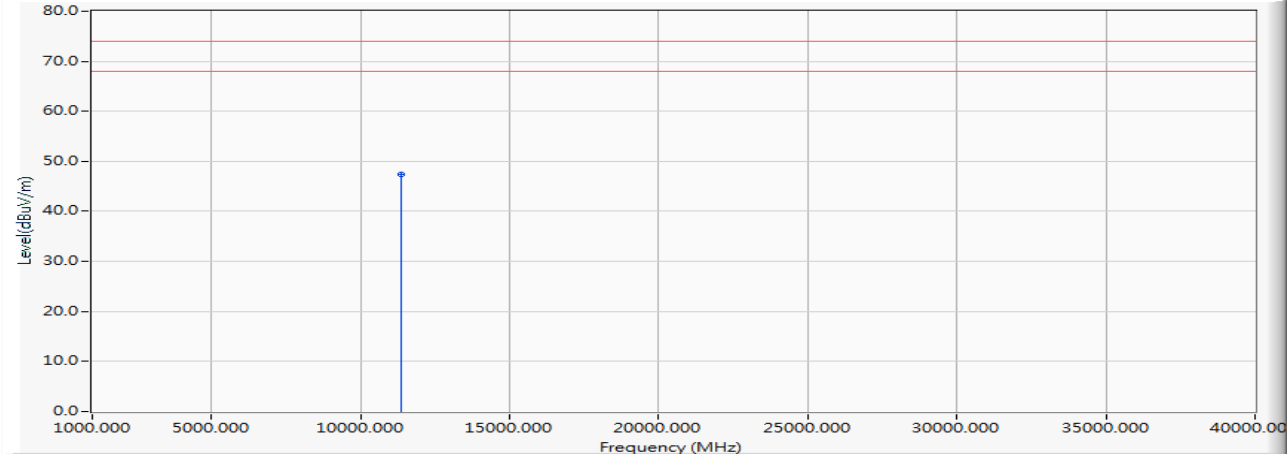
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 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:

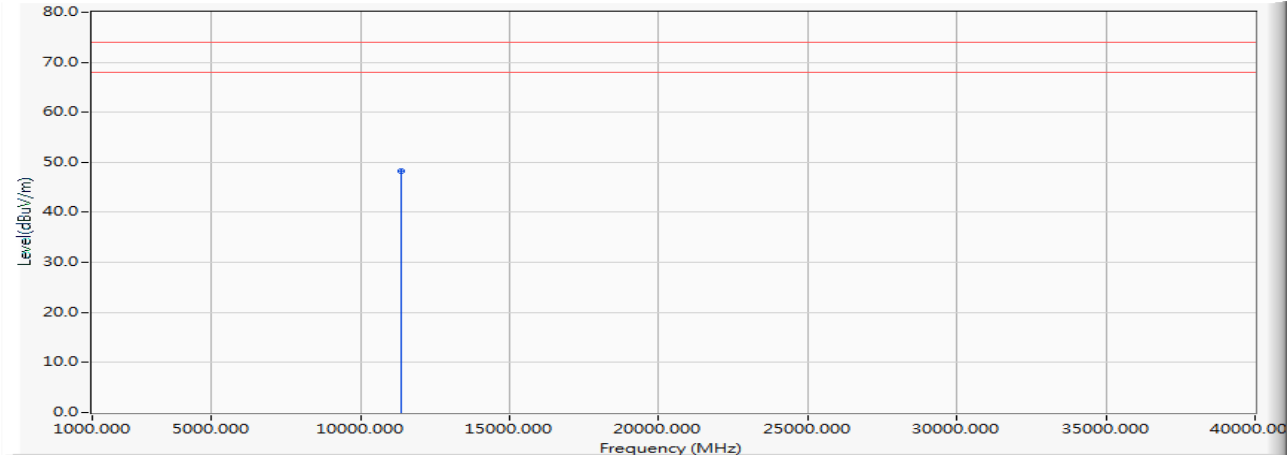
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



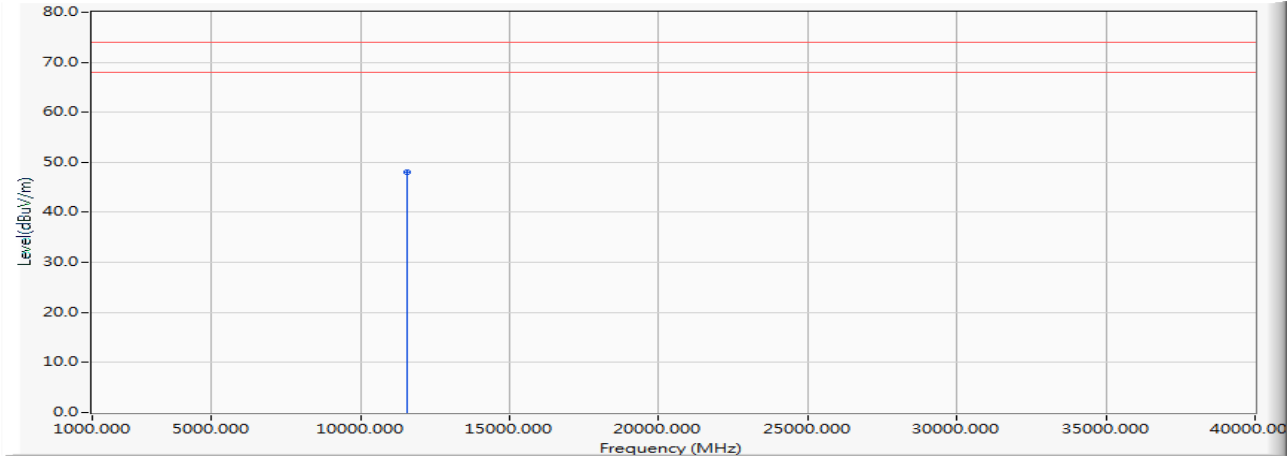
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 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:

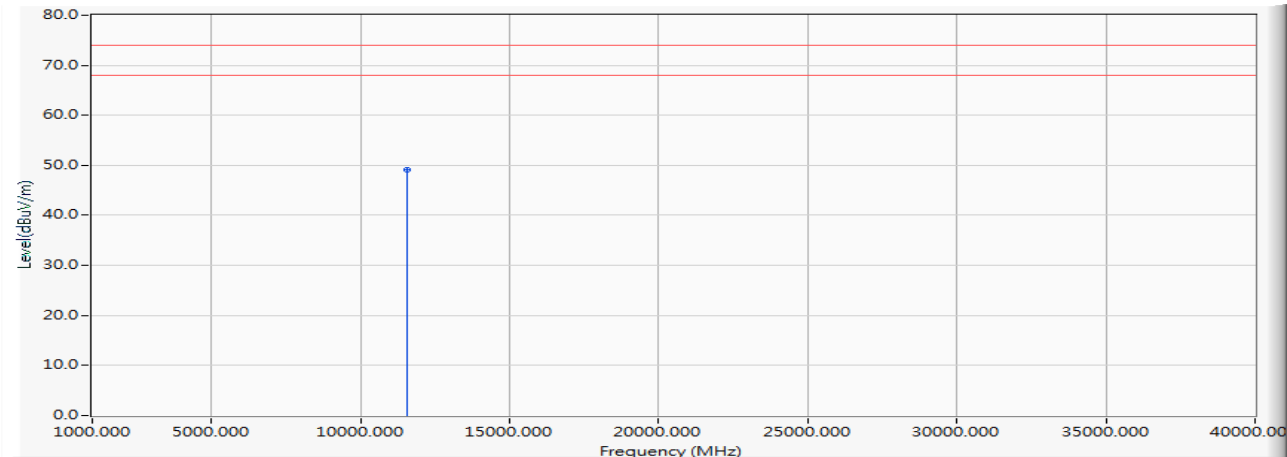
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



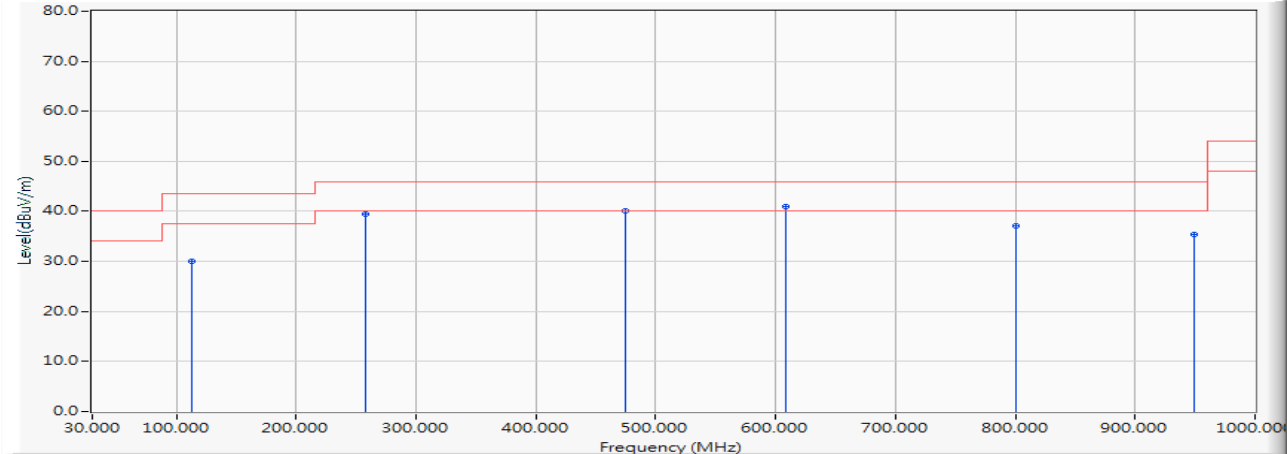
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|-----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11550.000 | 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:

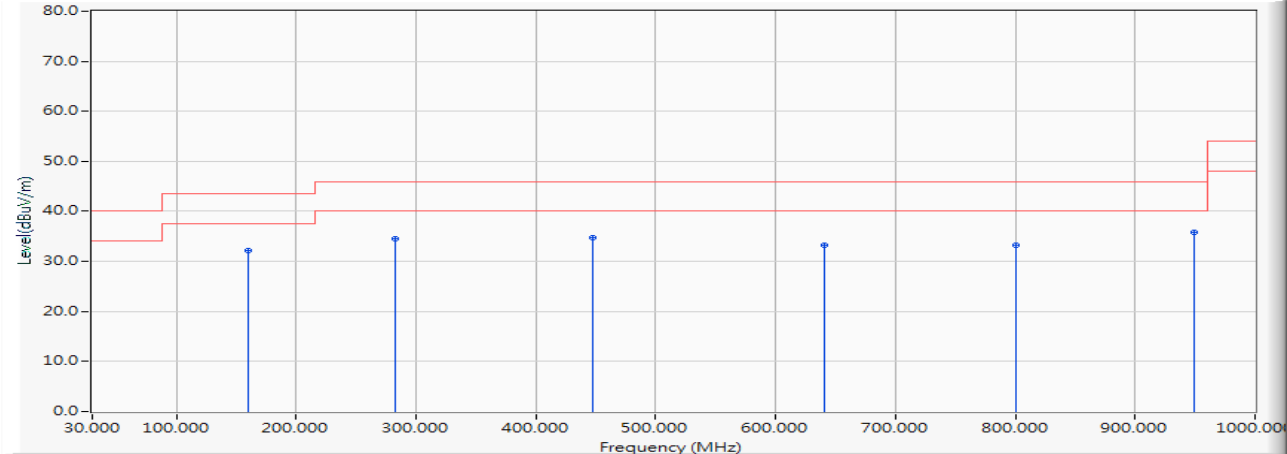
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



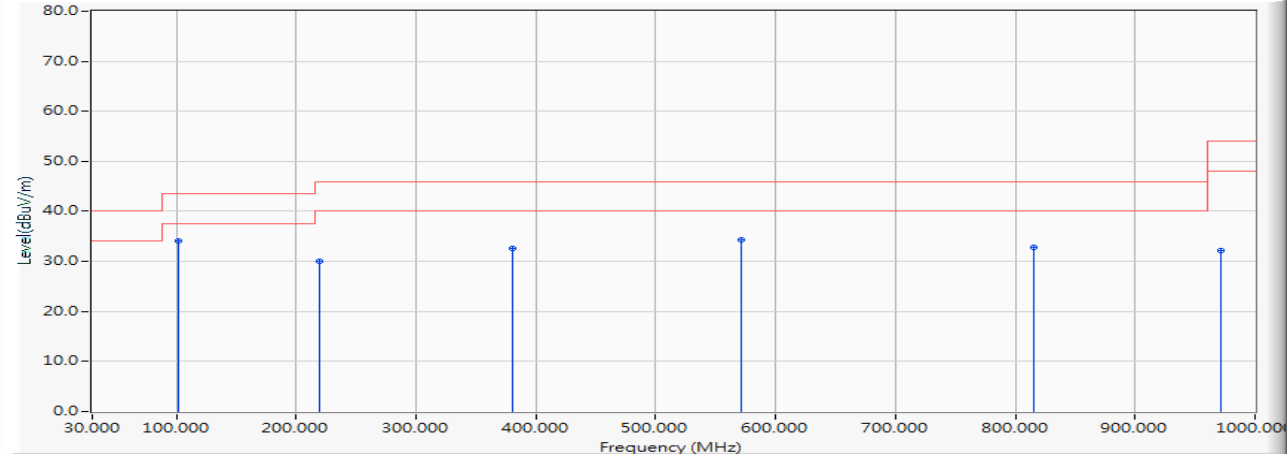
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 113.420 | -13.079 | 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:

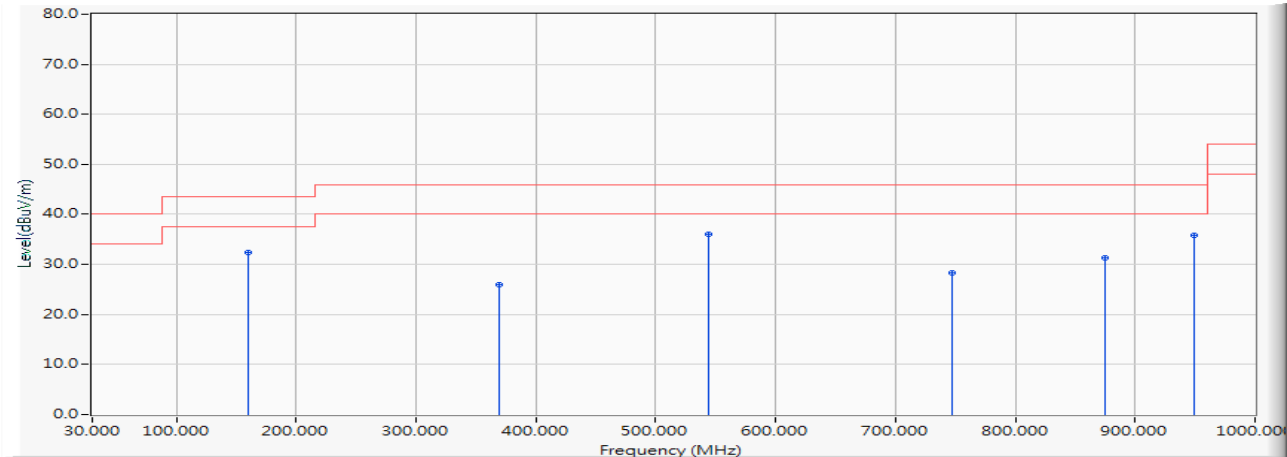
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



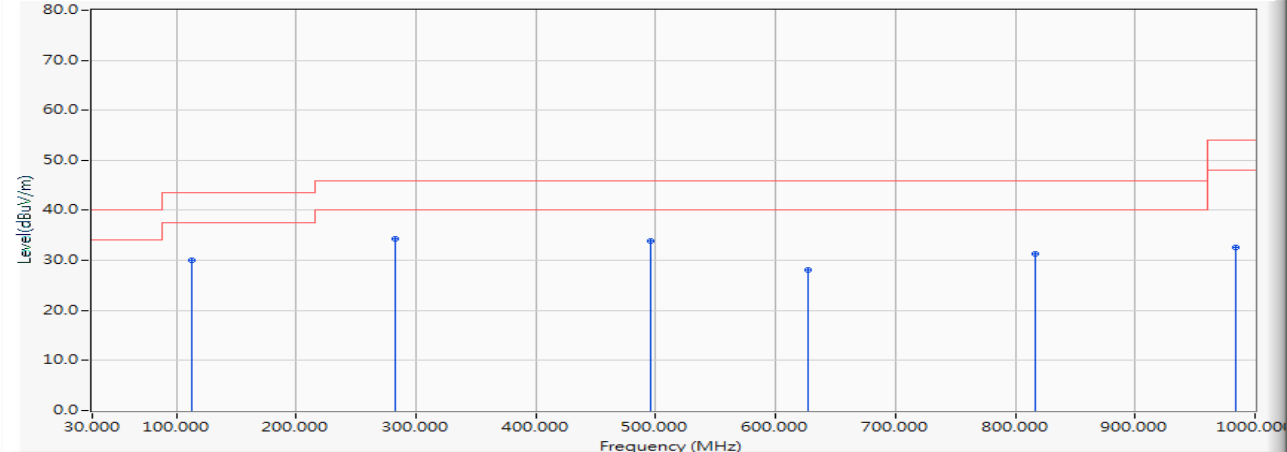
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 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:

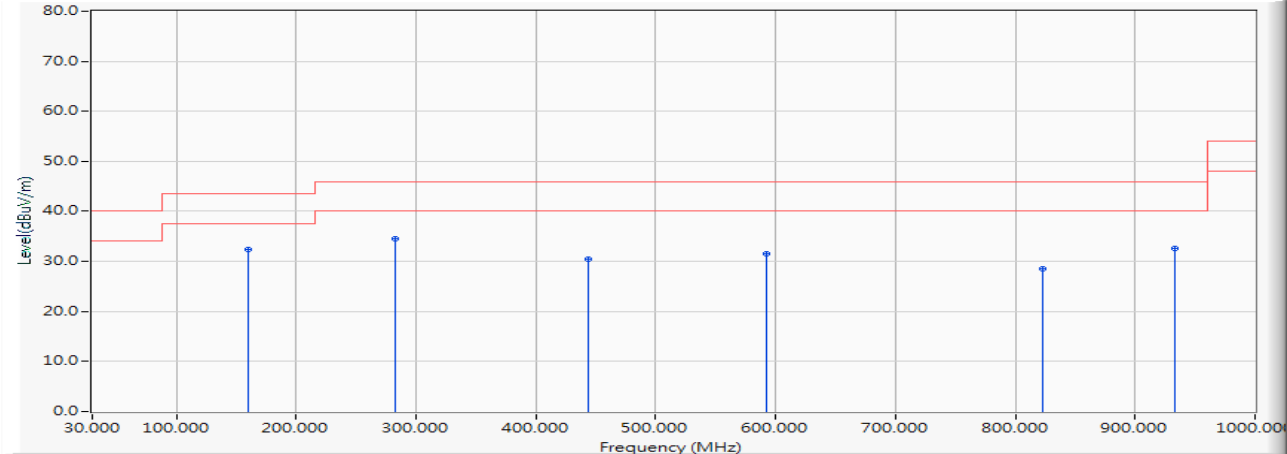
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



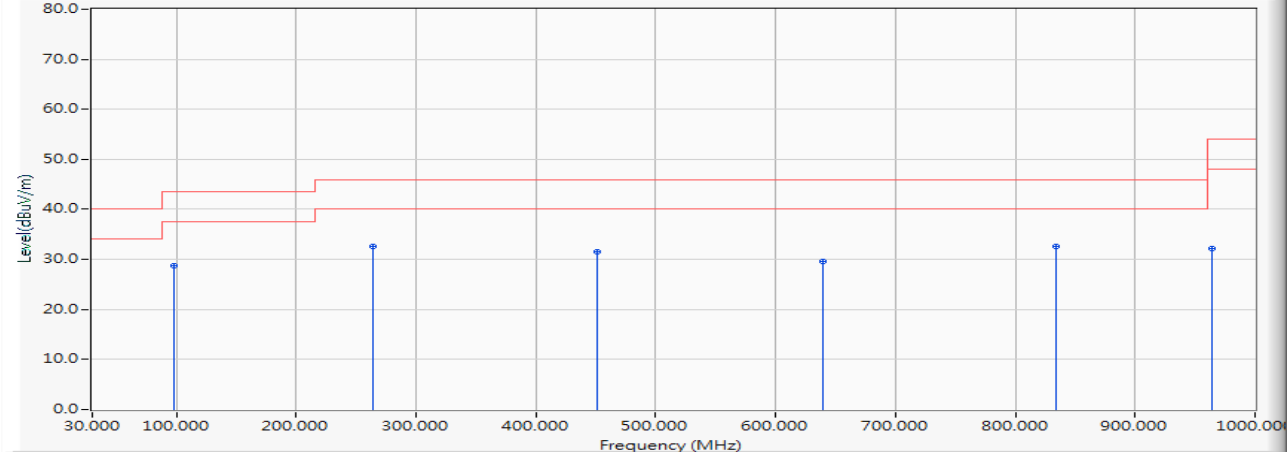
| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 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:

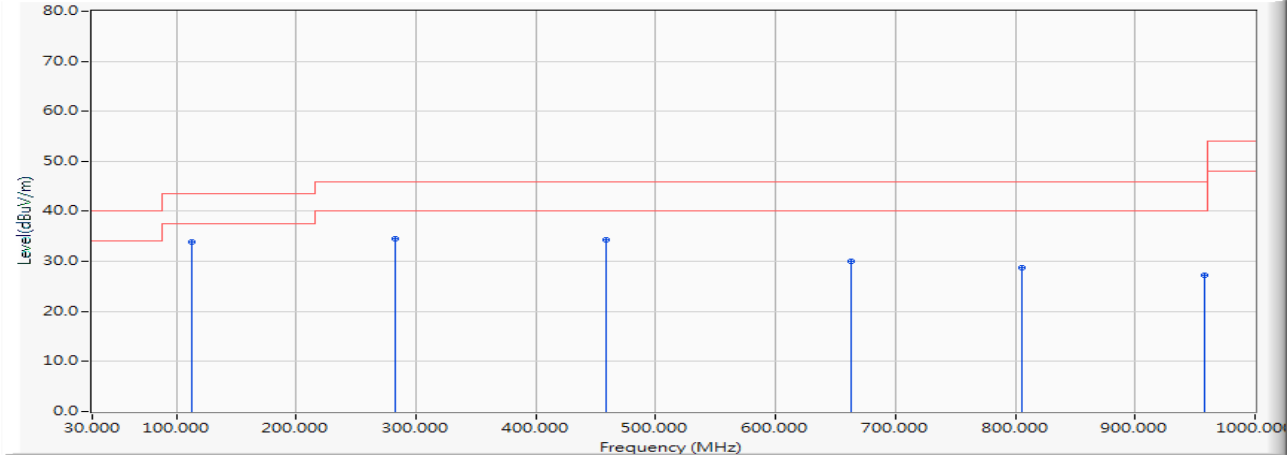
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



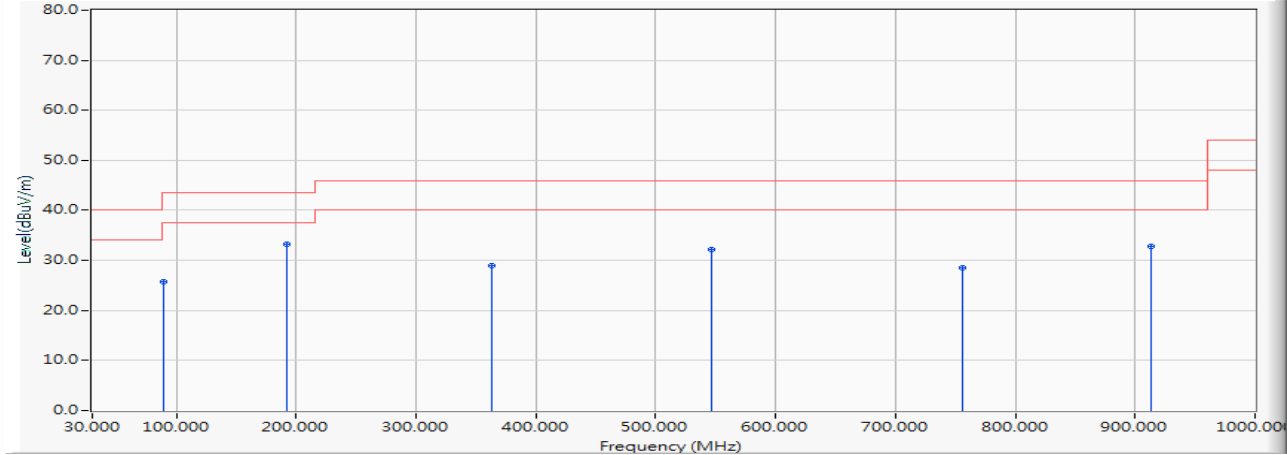
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 97.900 | -13.912 | 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:

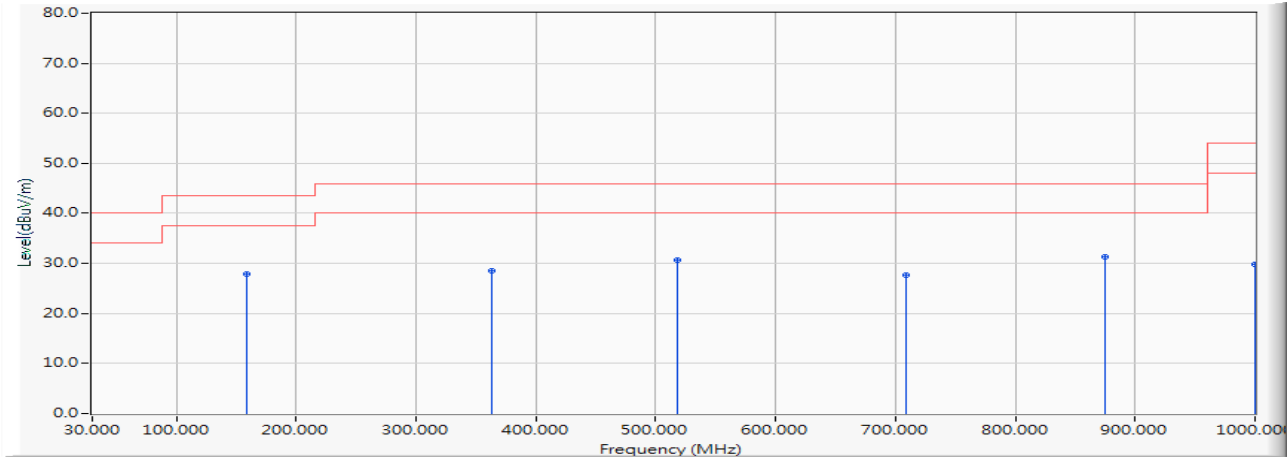
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



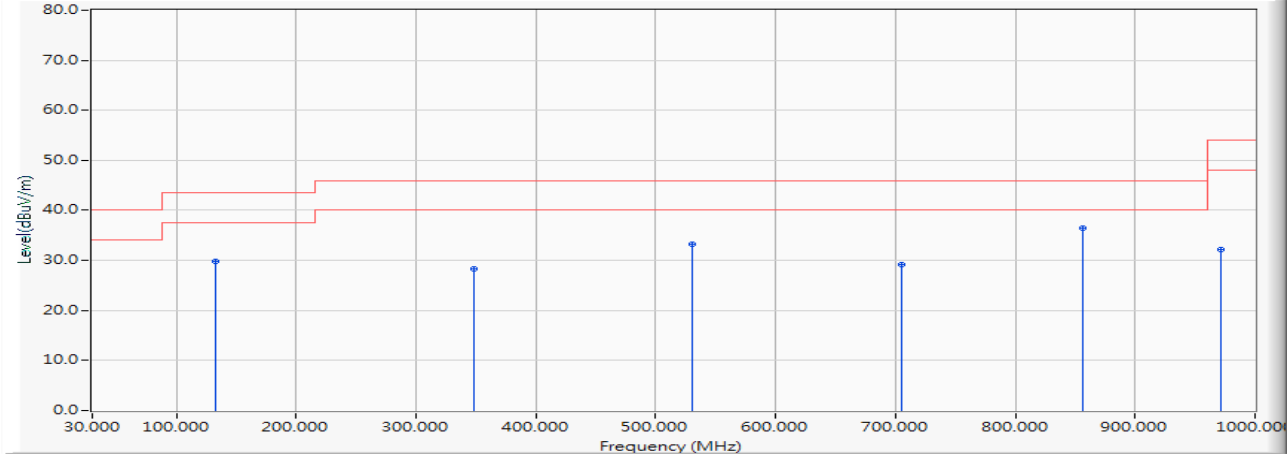
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 89.170 | -16.681 | 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:

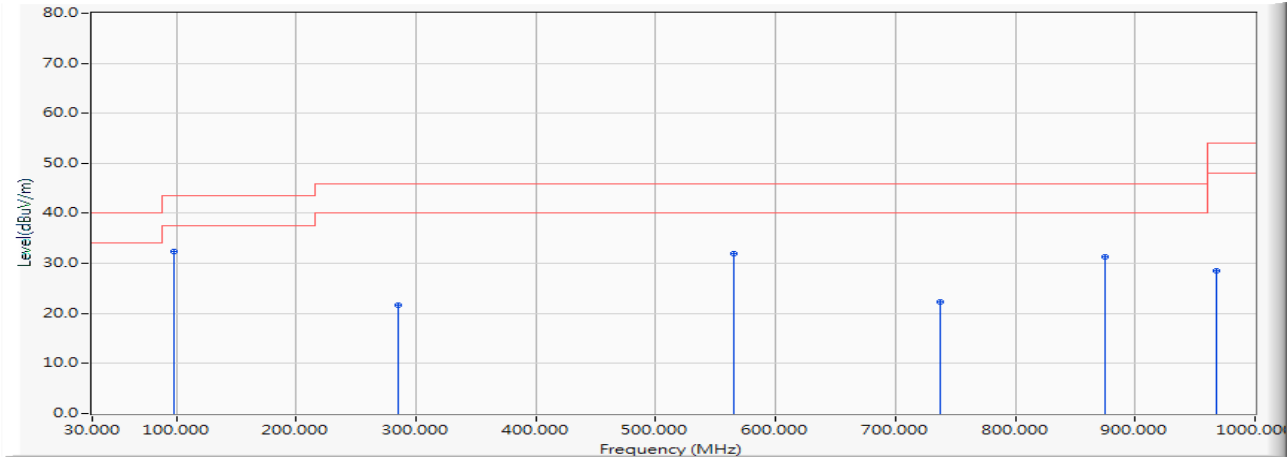
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



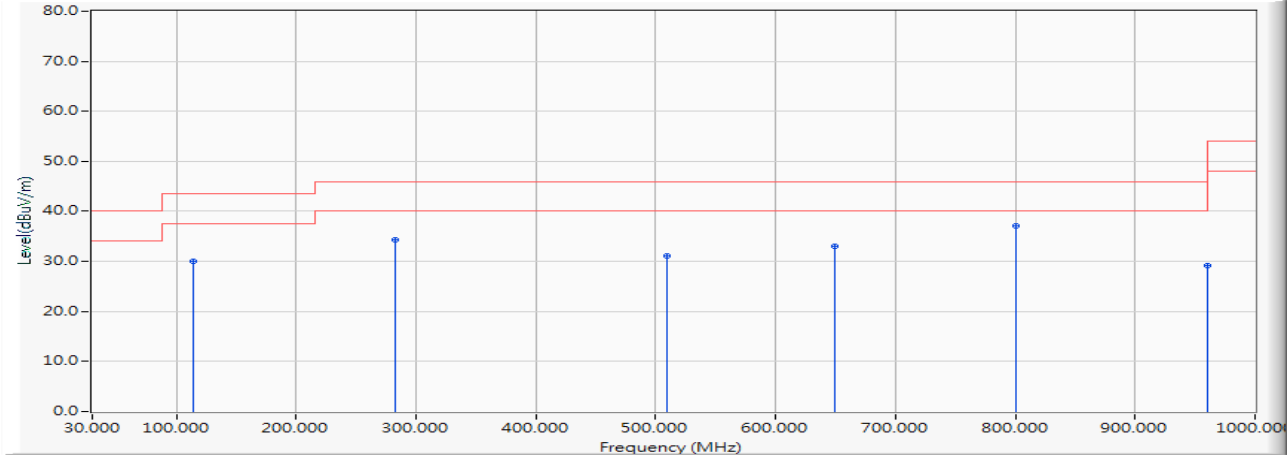
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 132.820 | -6.448 | 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:

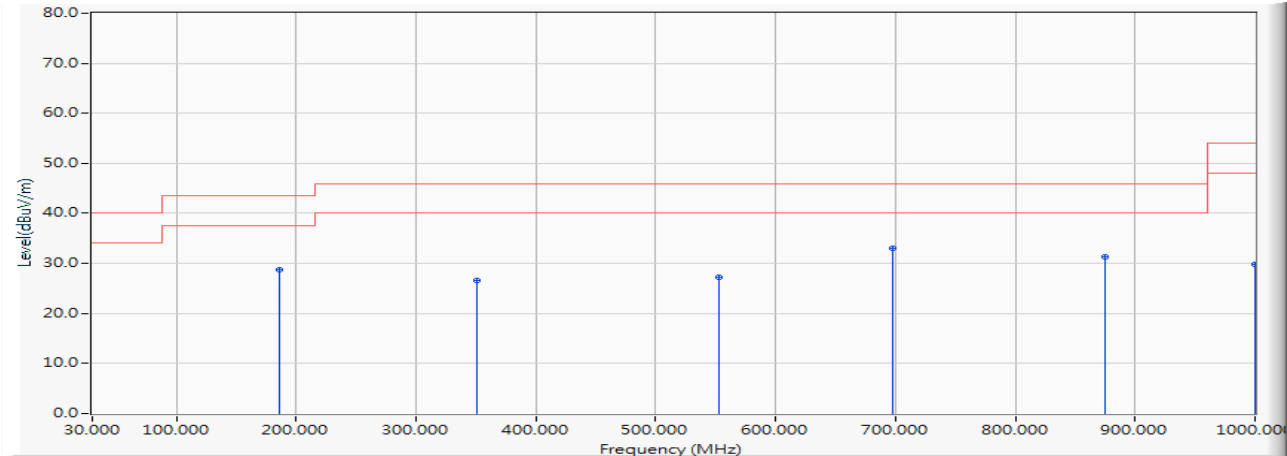
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



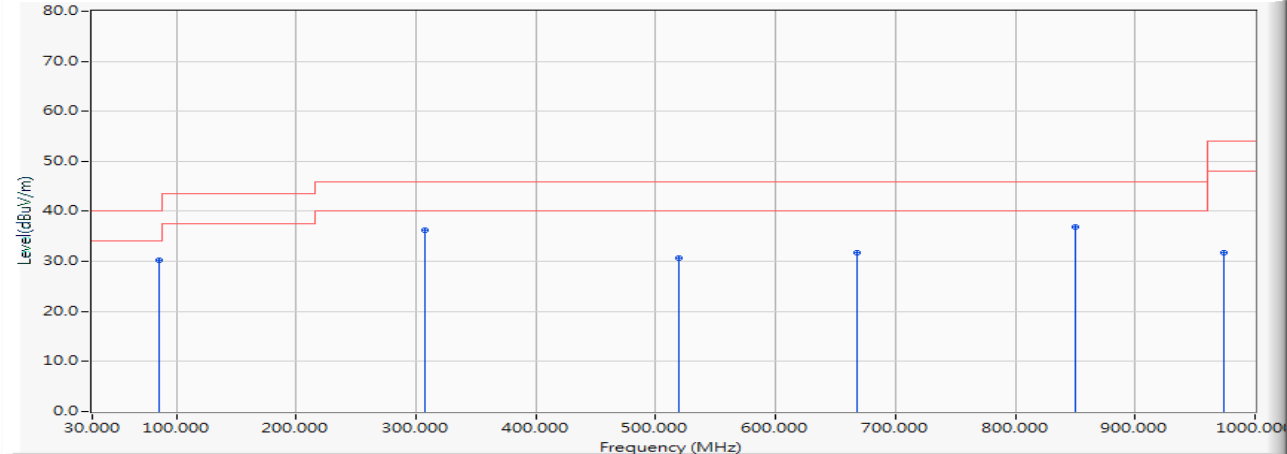
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 114.390 | -12.803 | 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:

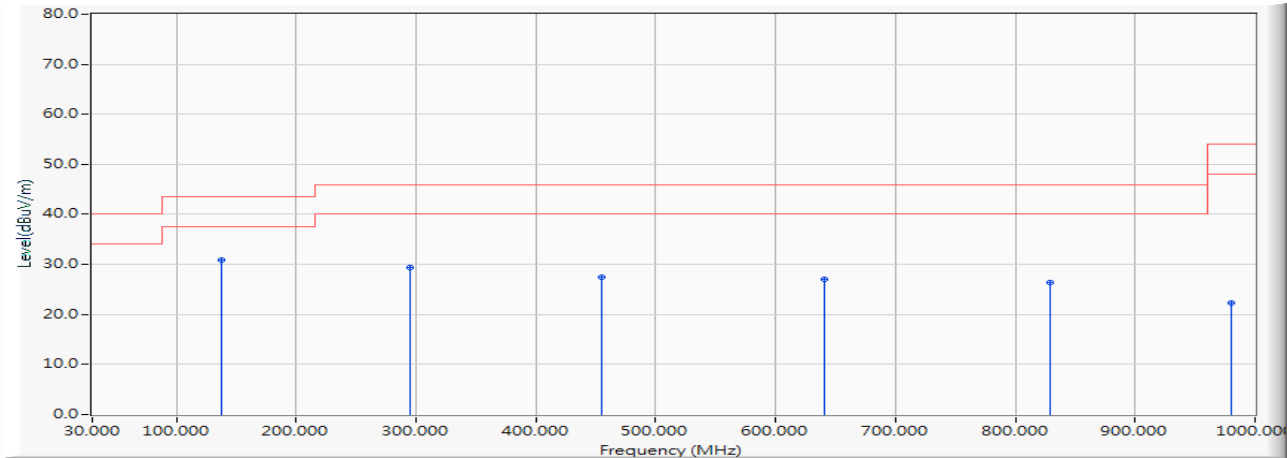
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



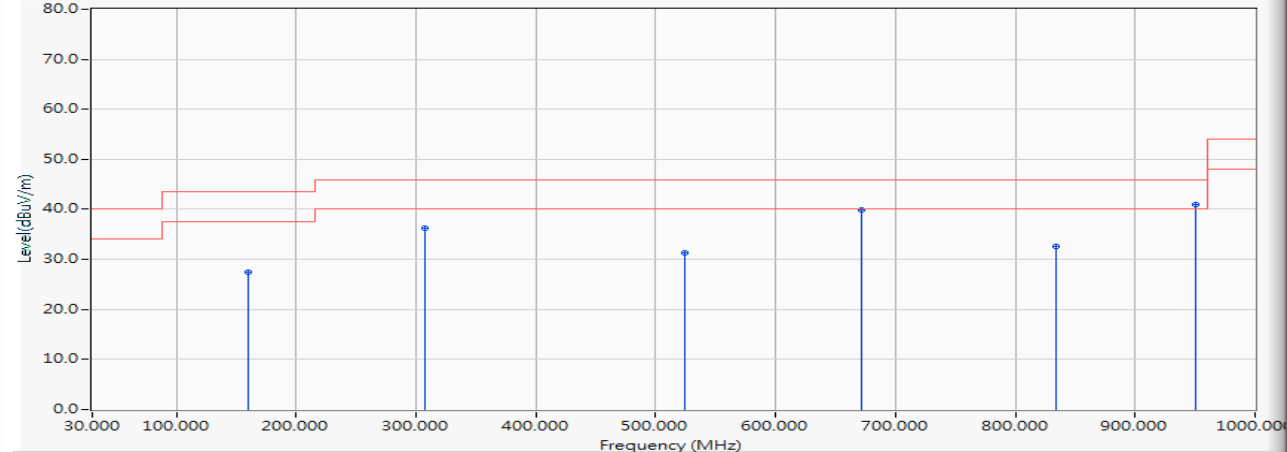
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 86.260 | -16.647 | 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:

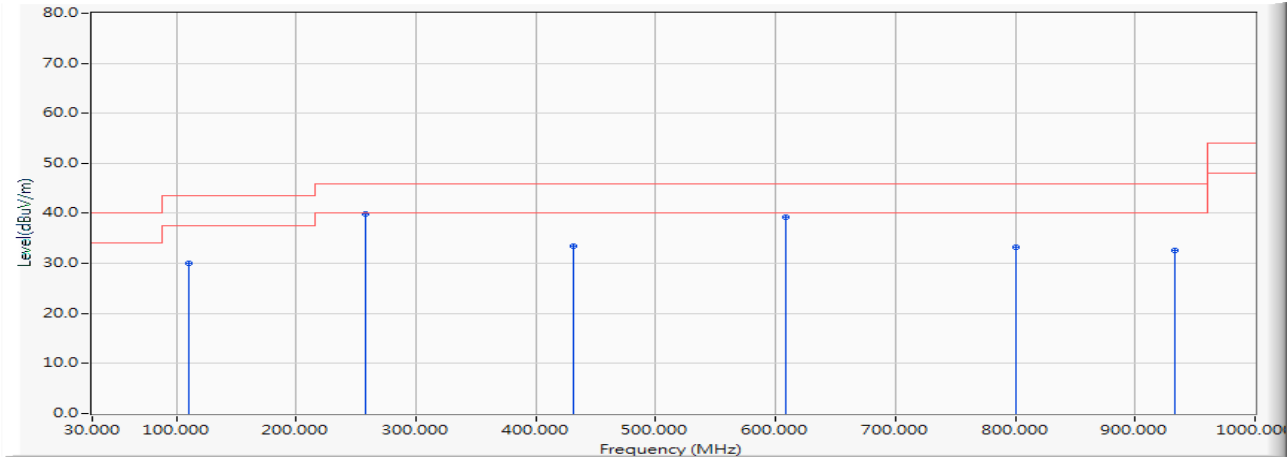
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



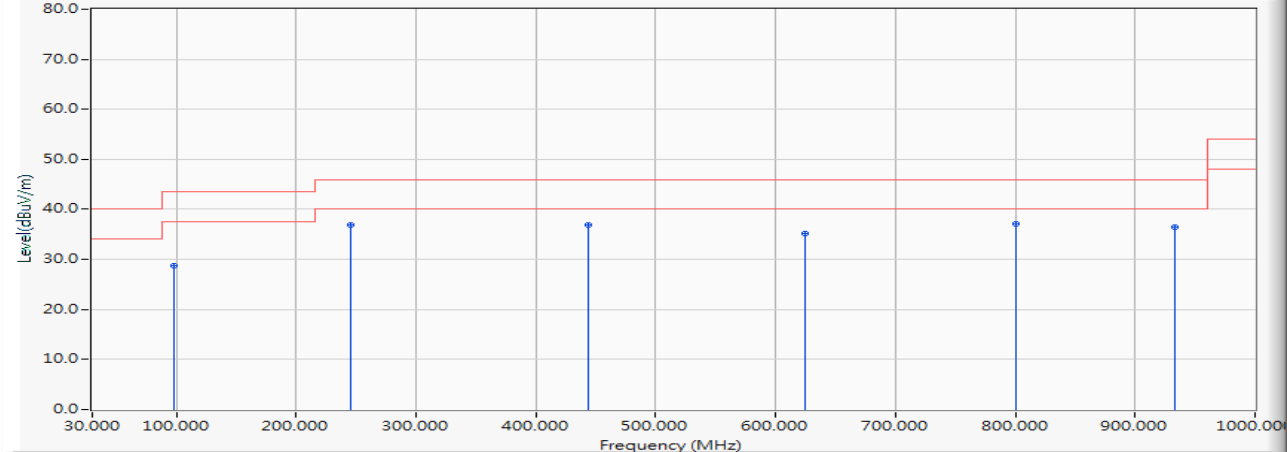
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 159.980 | -2.647 | 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:

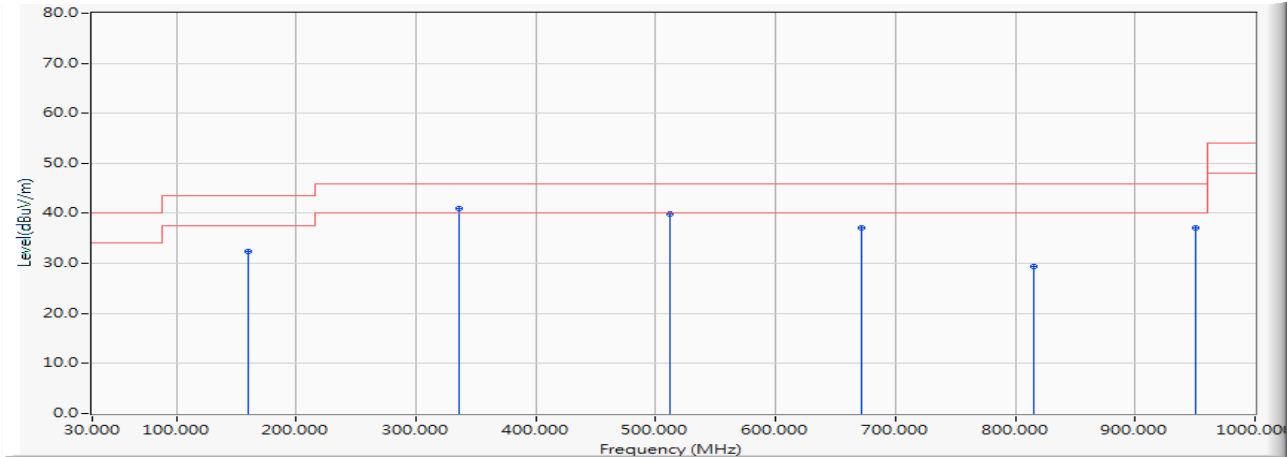
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



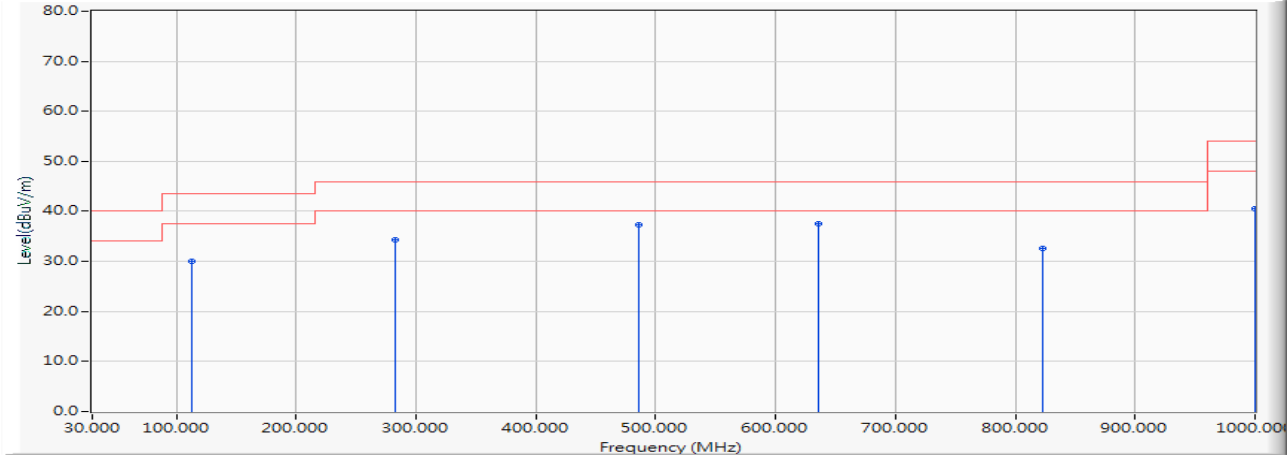
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 97.900 | -13.912 | 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:

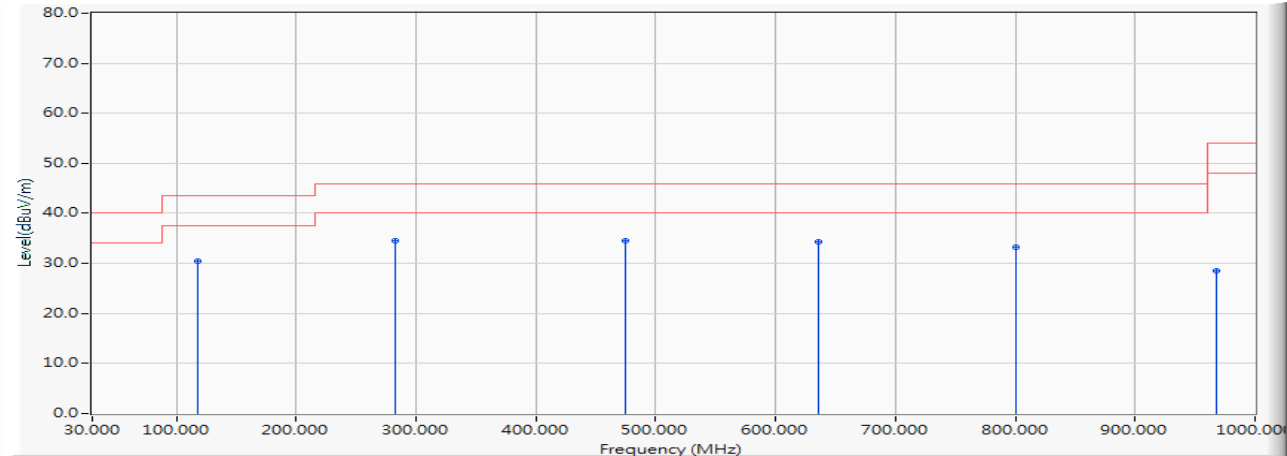
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



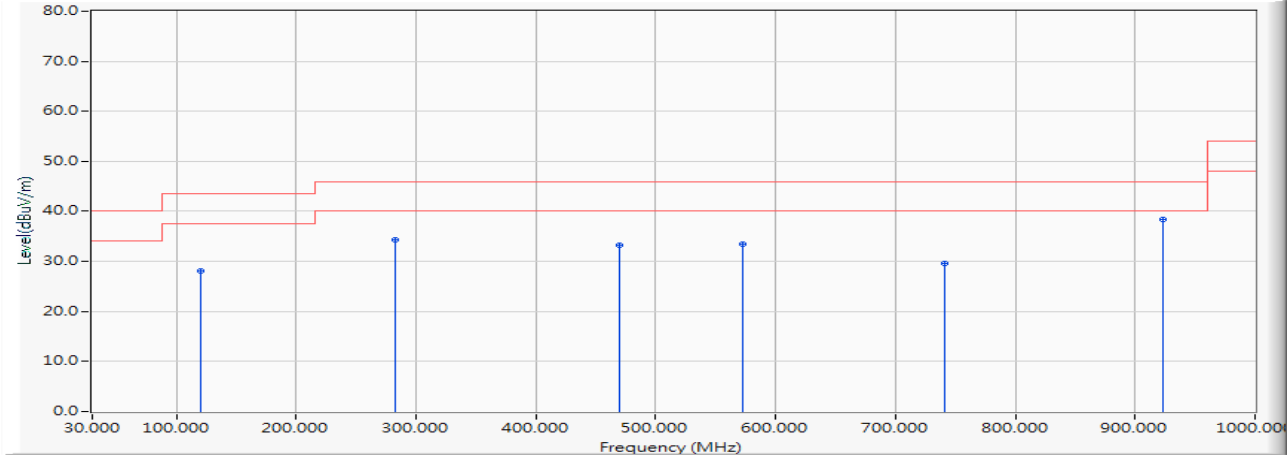
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 113.420 | -13.079 | 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:

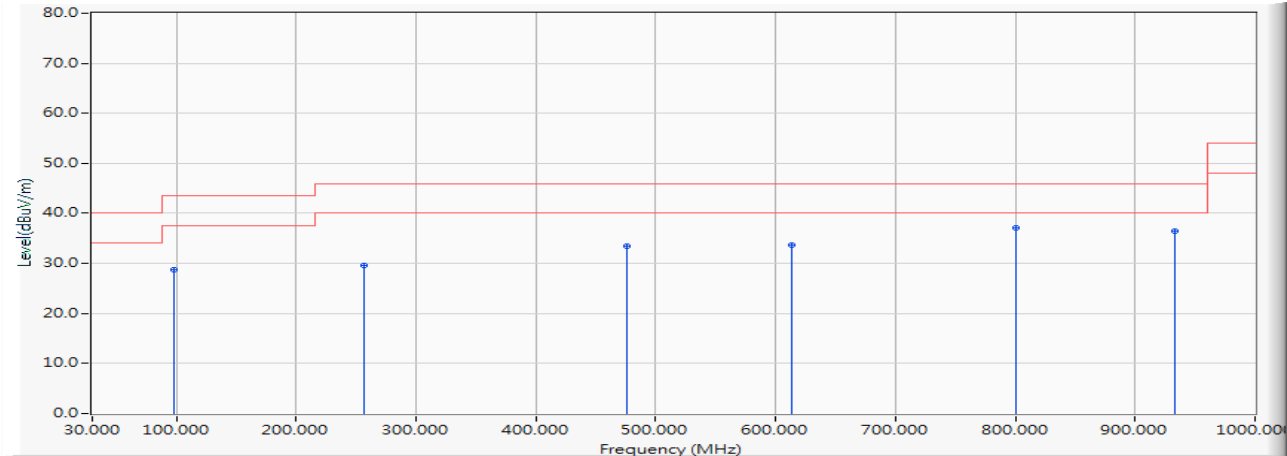
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



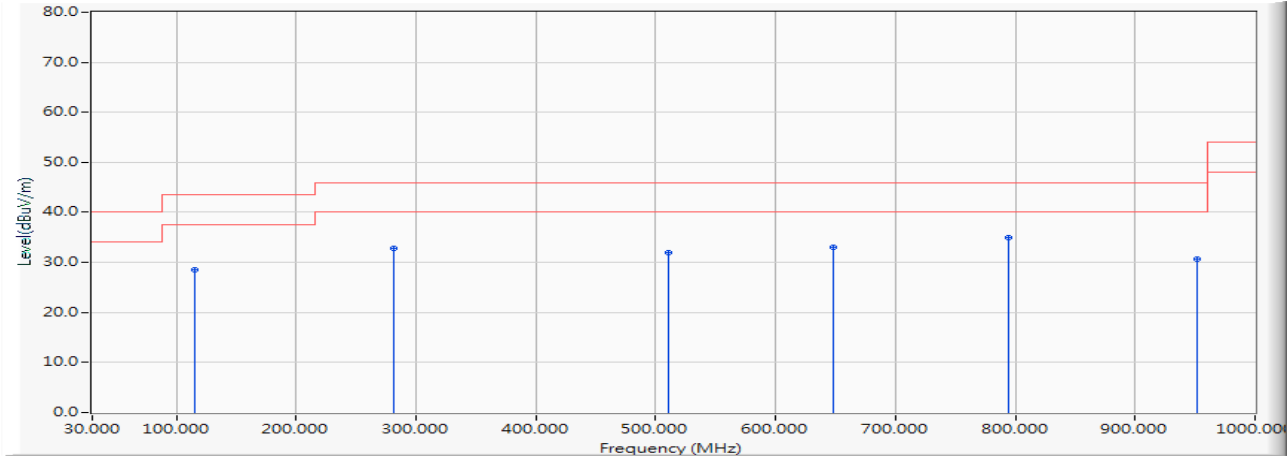
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 120.210 | -11.138 | 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:

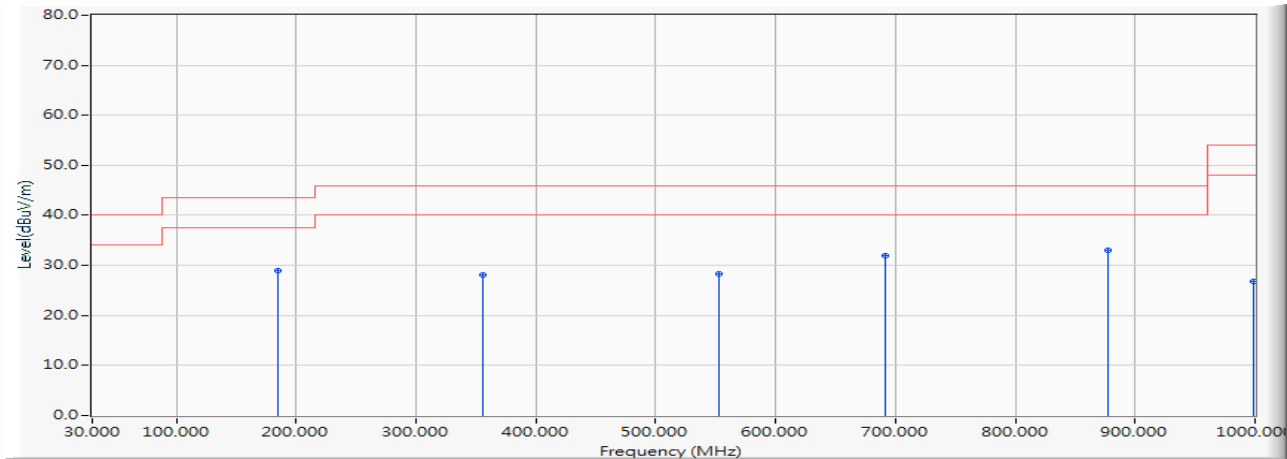
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



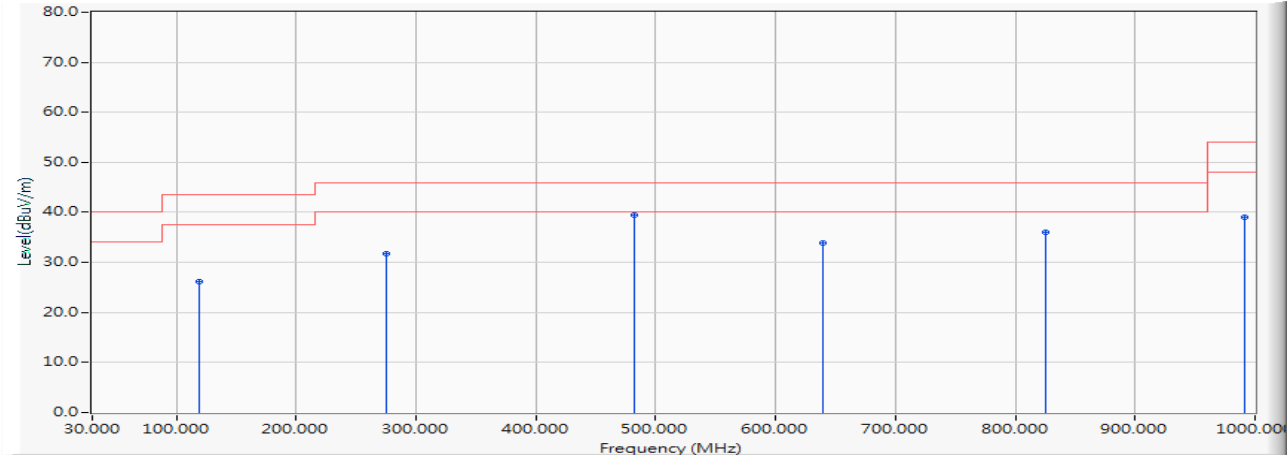
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 115.610 | -12.466 | 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:

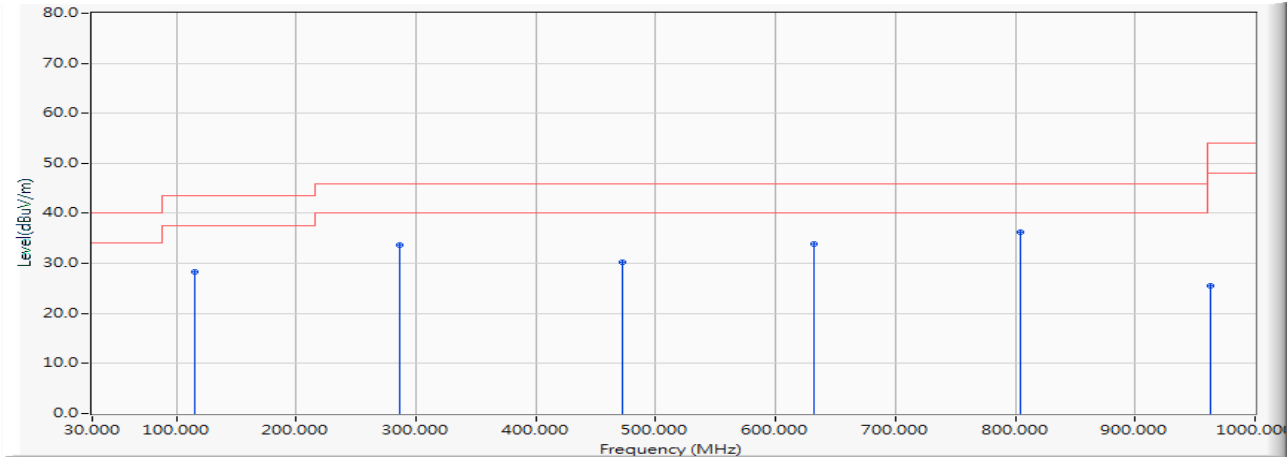
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



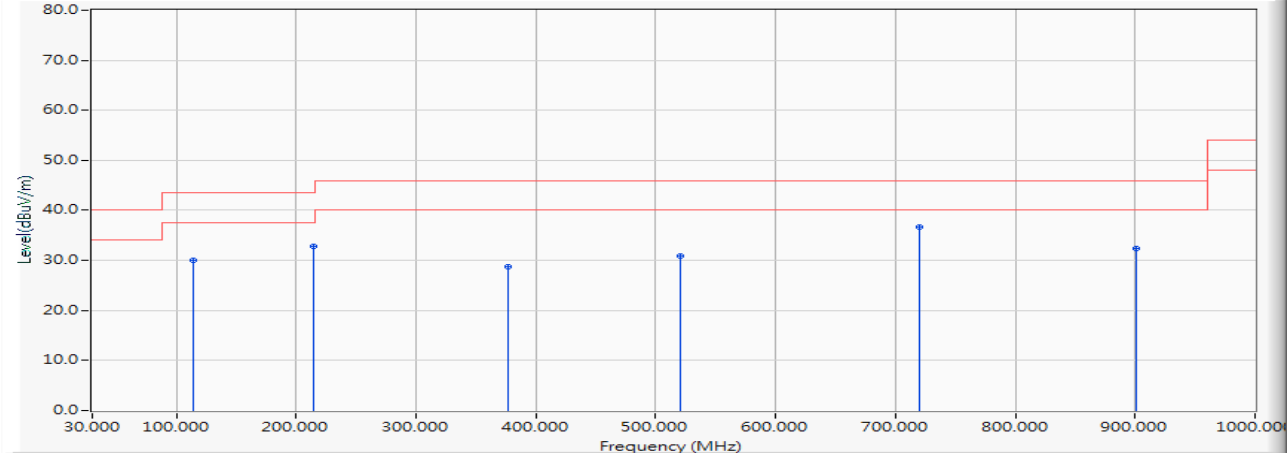
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 119.590 | -11.340 | 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:

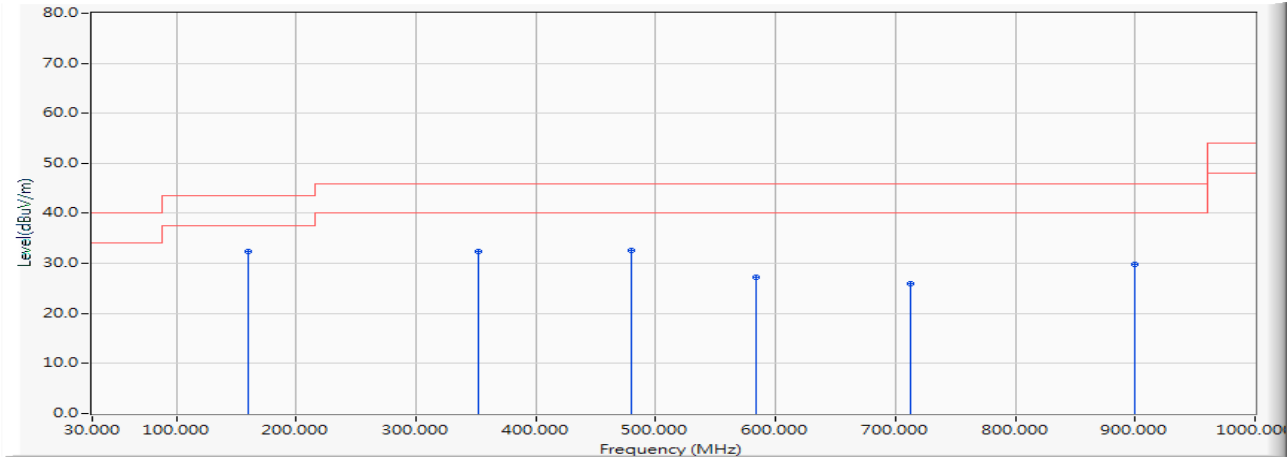
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



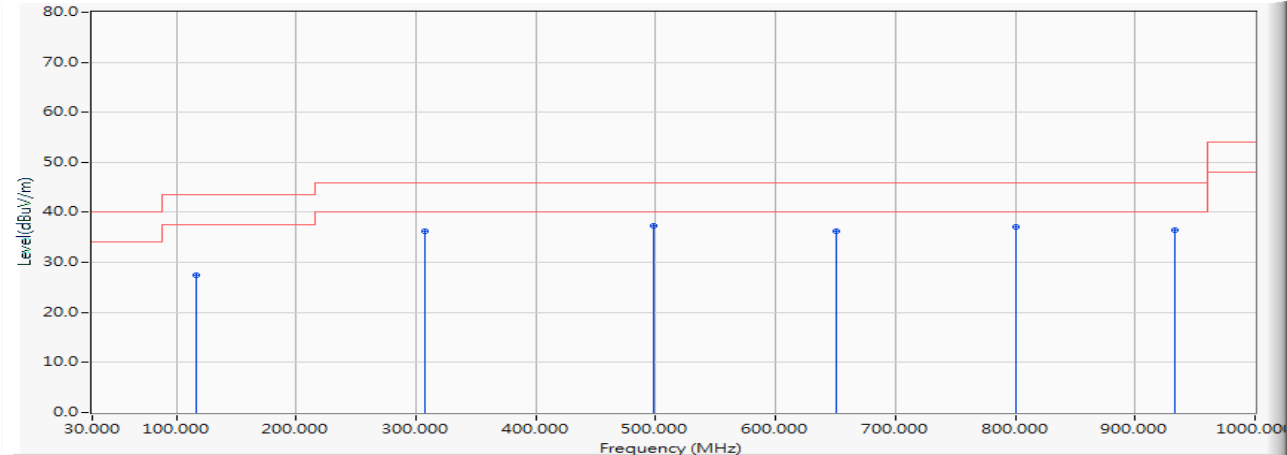
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 114.390 | -12.803 | 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:

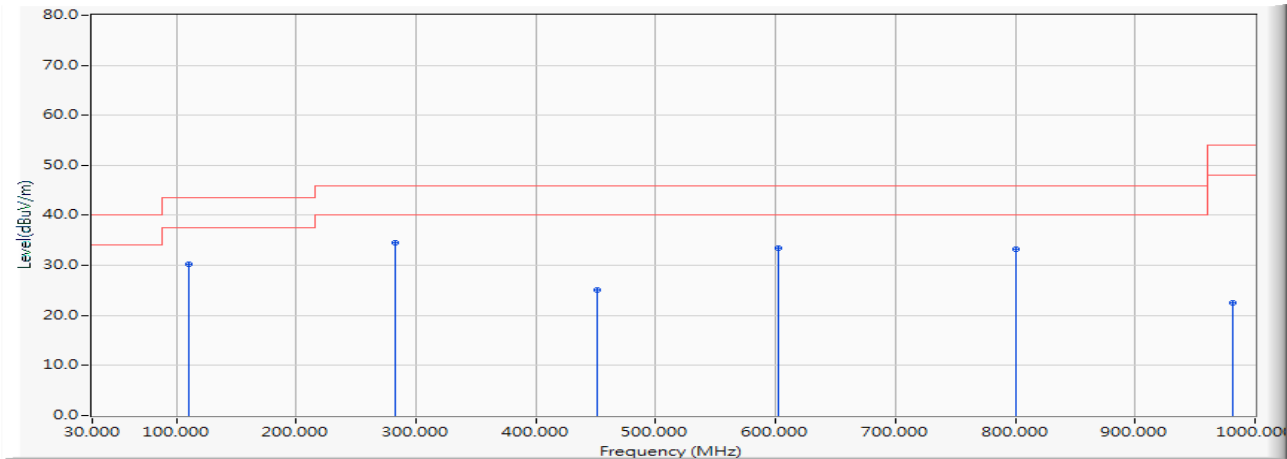
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



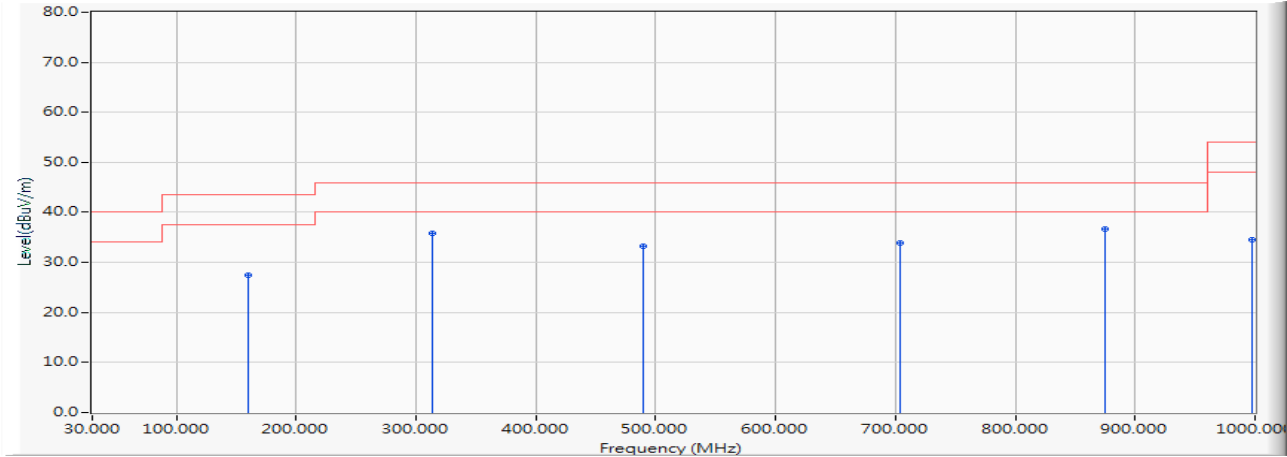
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 117.300 | -11.996 | 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:

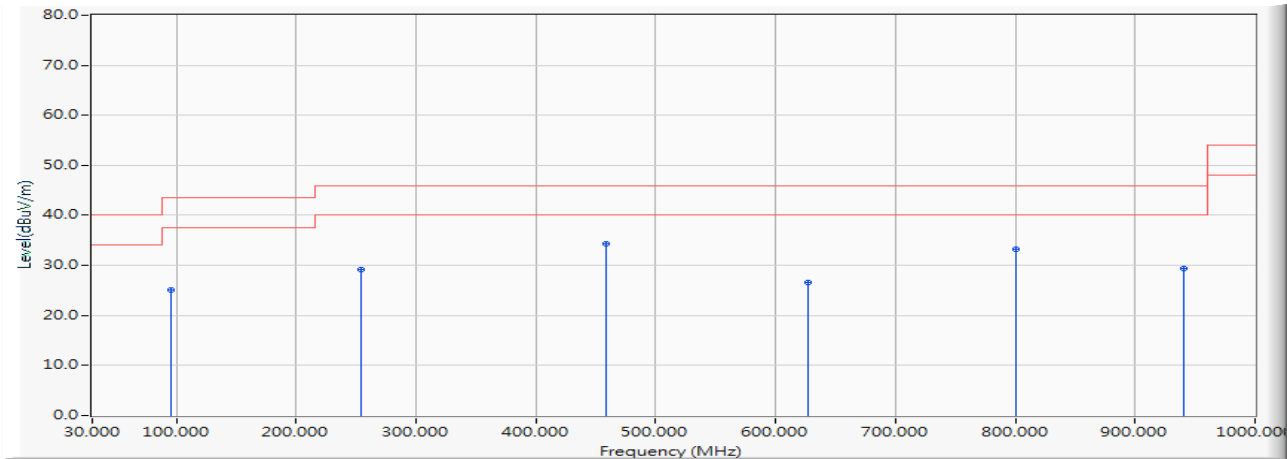
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



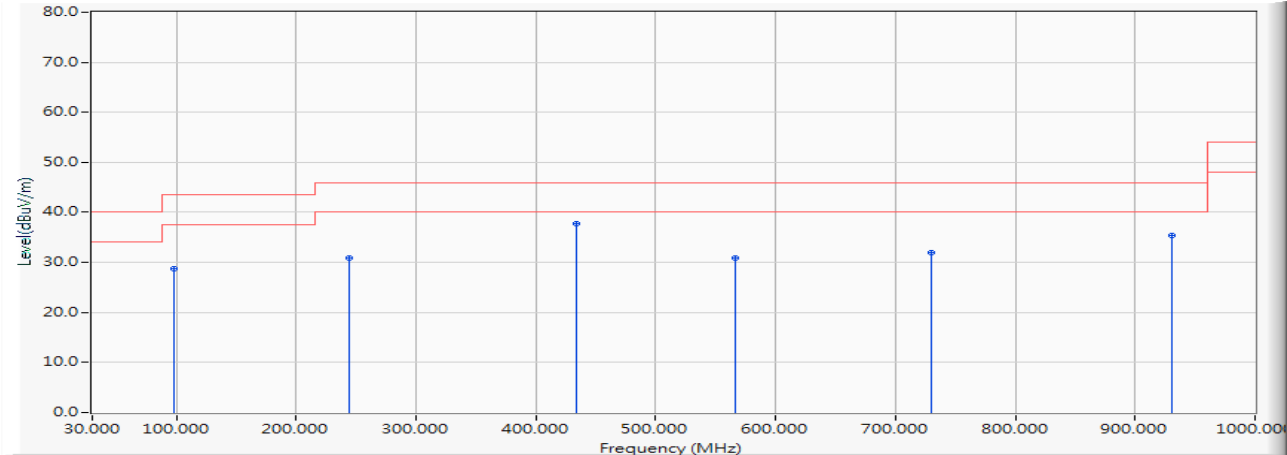
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 159.980 | -2.647 | 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:

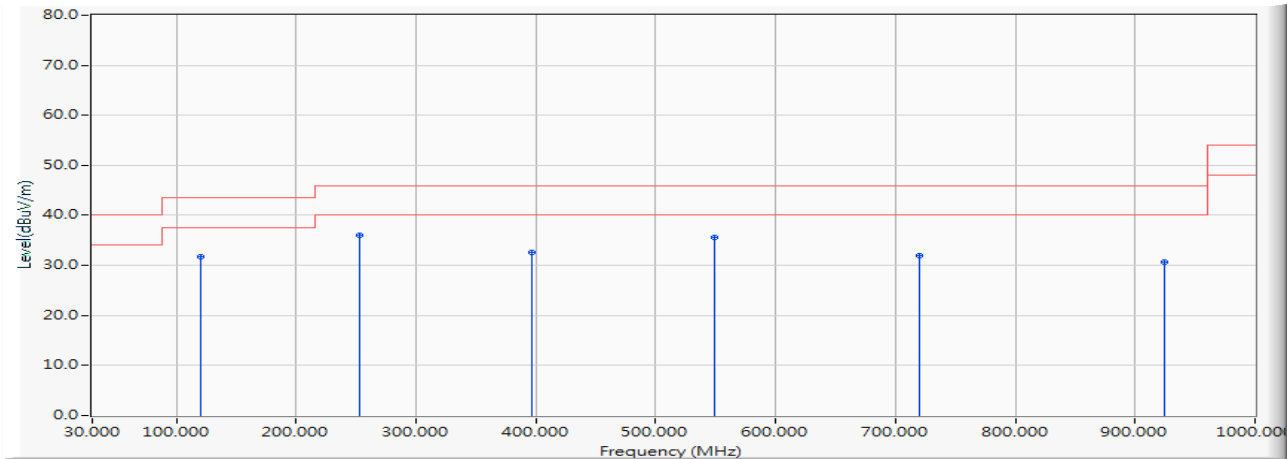
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



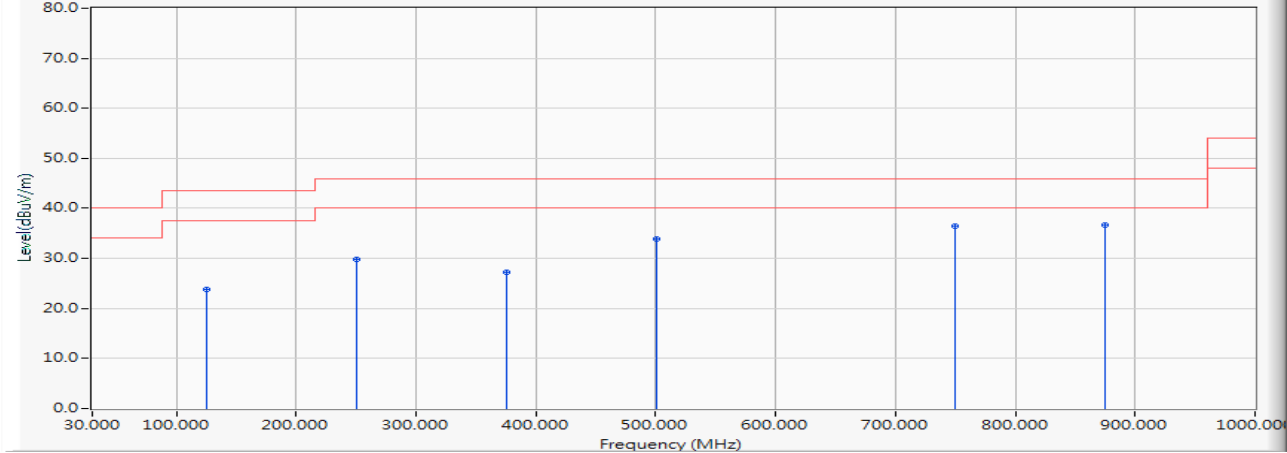
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 97.900 | -13.912 | 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:

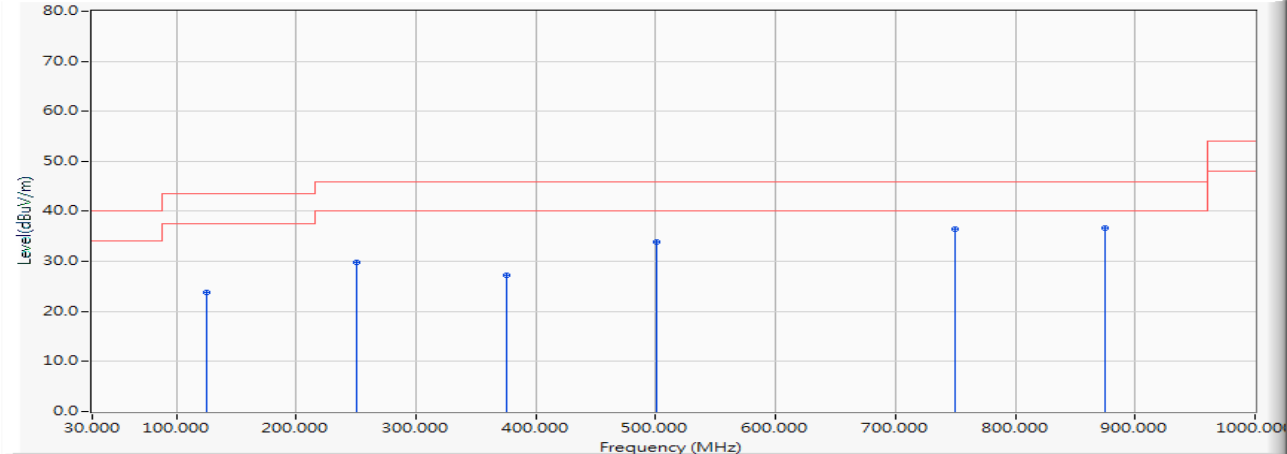
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



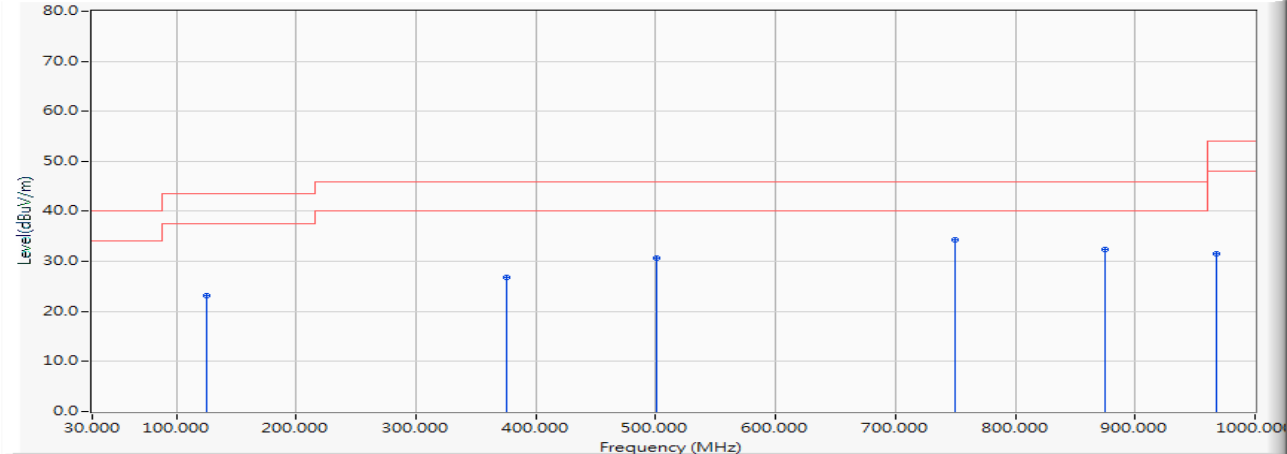
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 125.060 | -8.411 | 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:

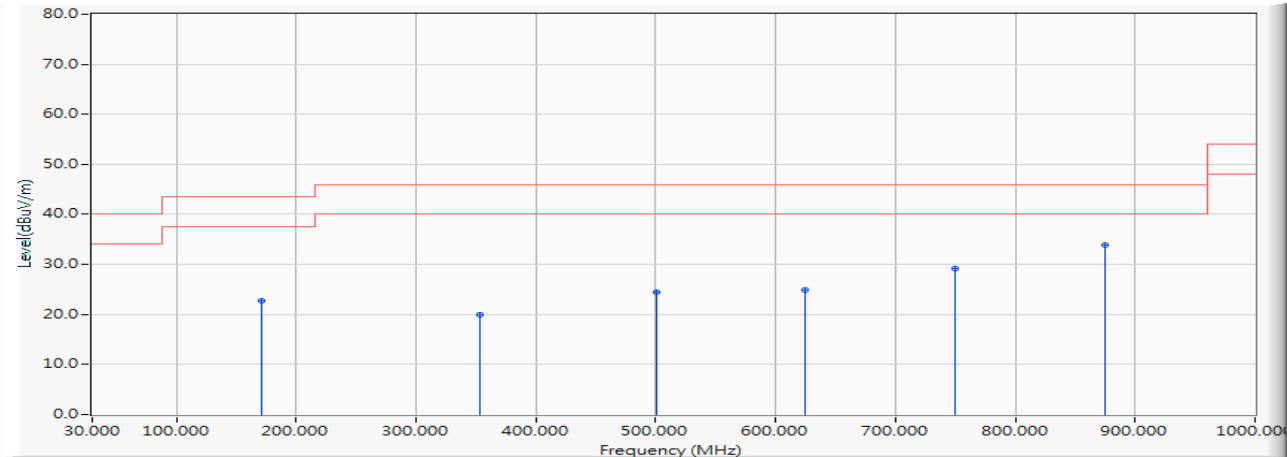
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



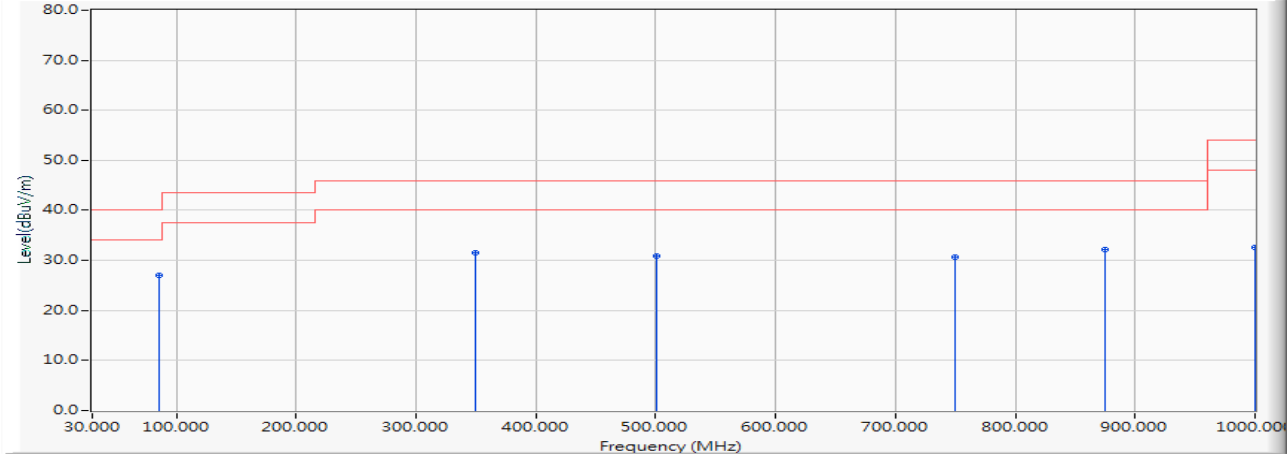
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 125.060 | -8.411 | 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:

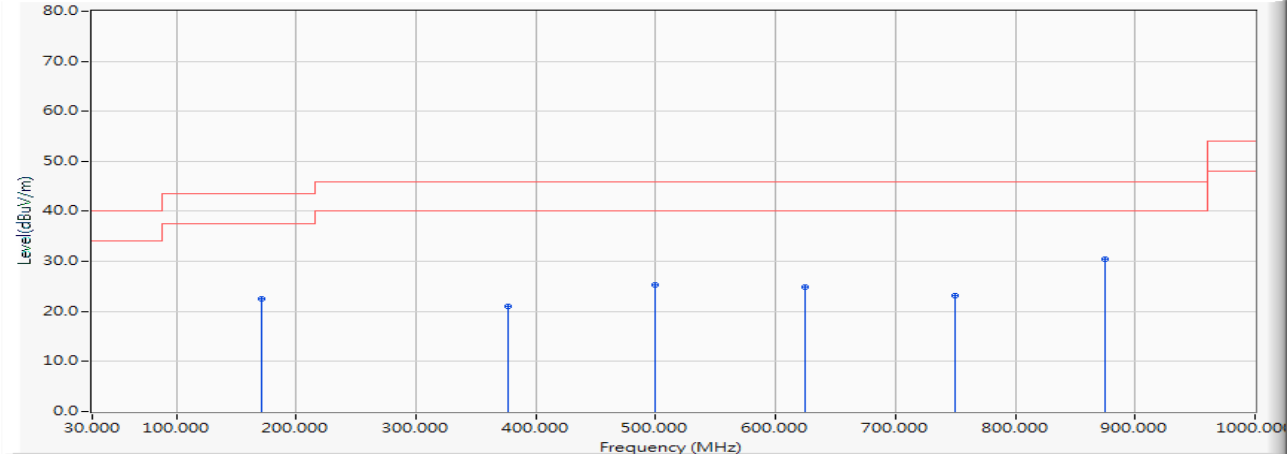
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



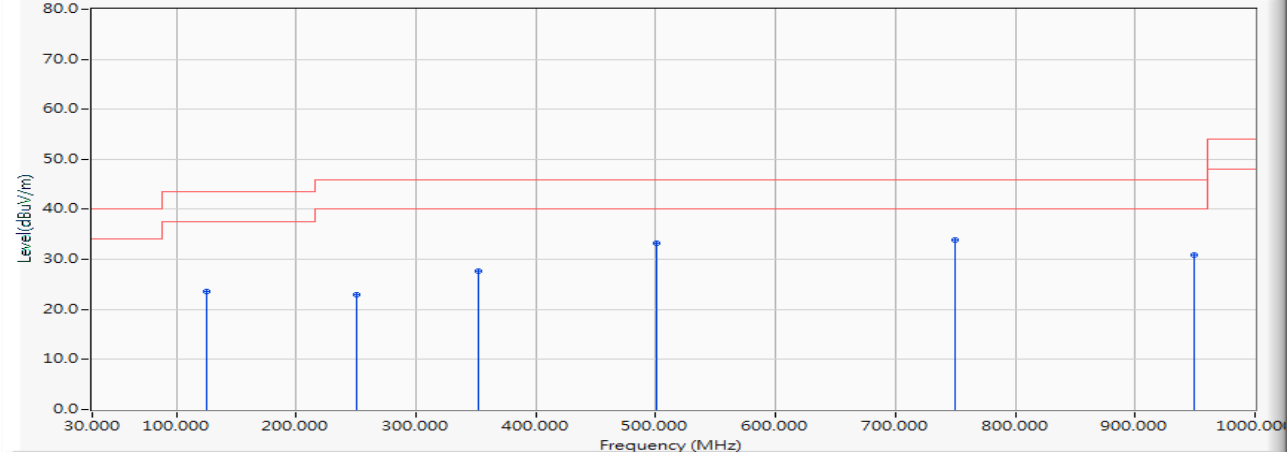
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 86.260 | -16.647 | 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:

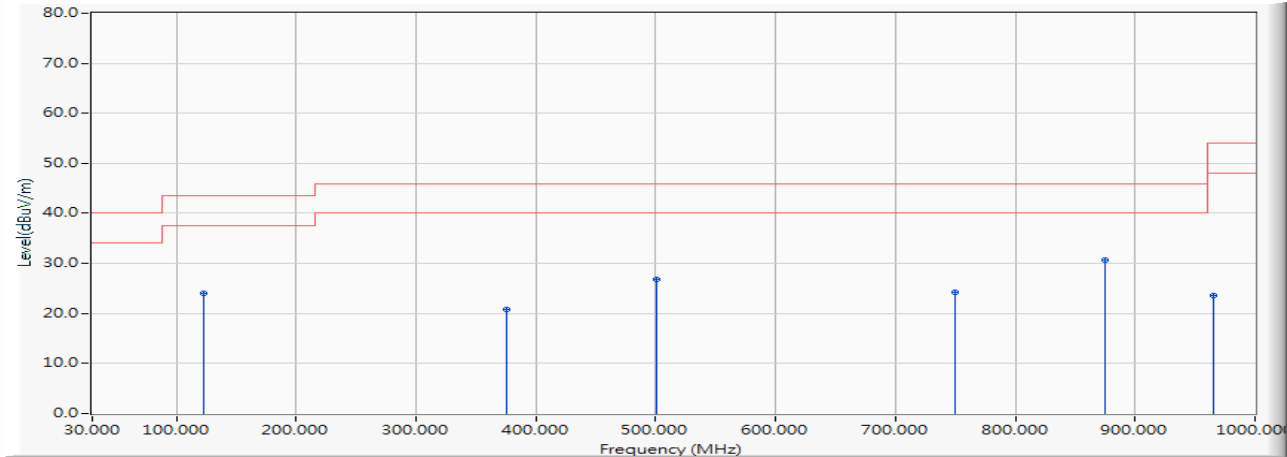
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



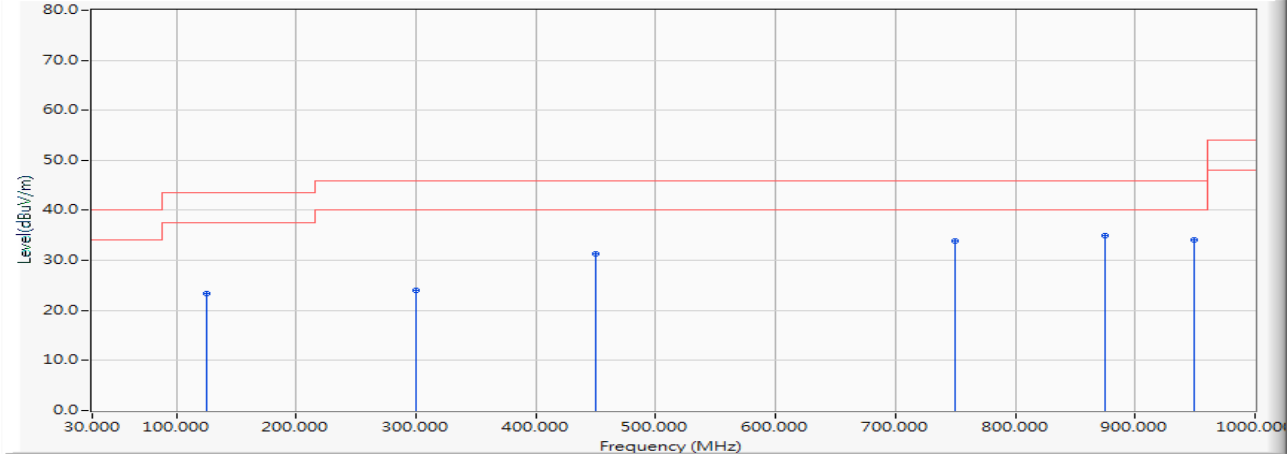
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 125.060 | -8.411 | 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:

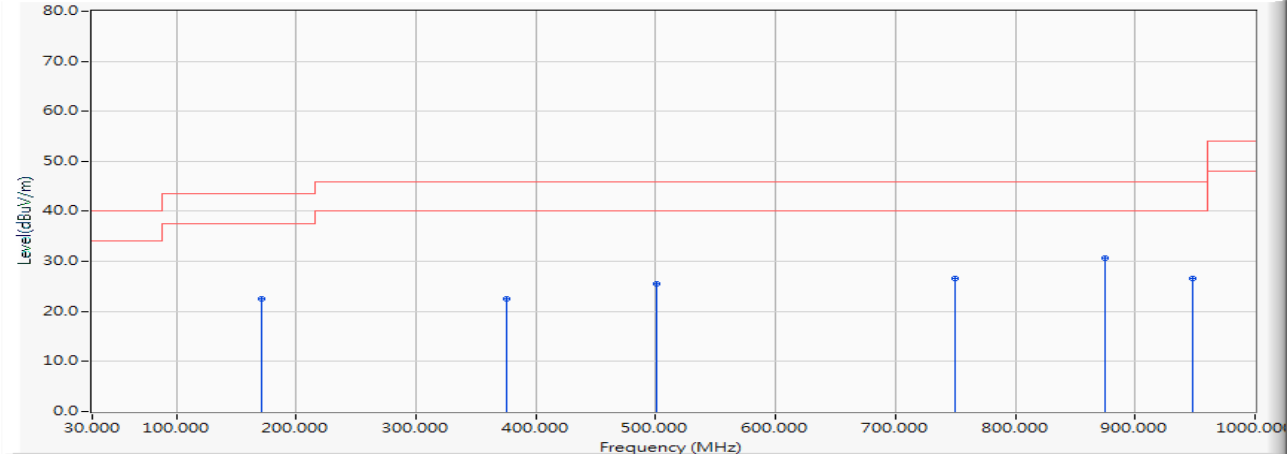
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



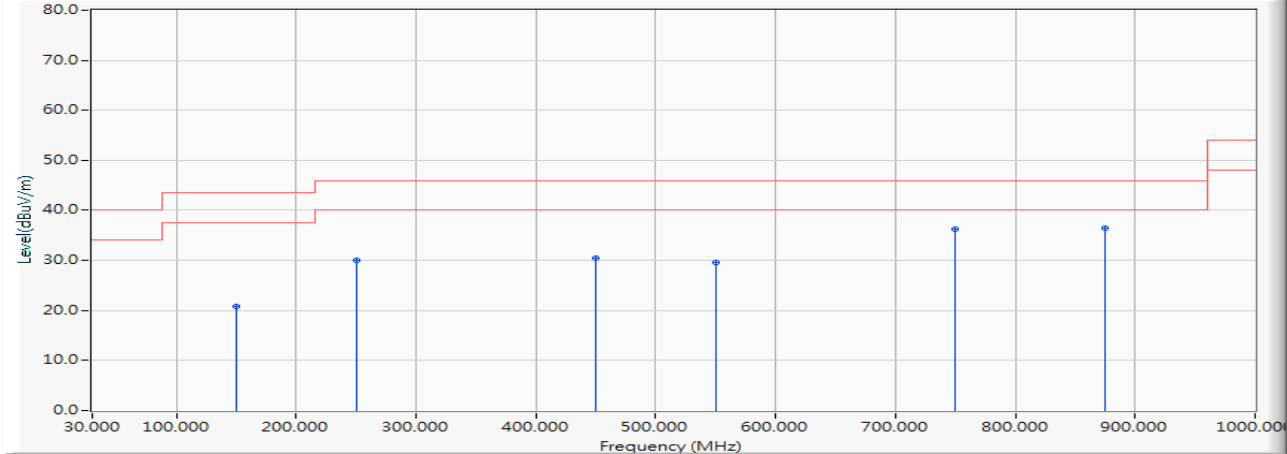
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 125.060 | -8.411 | 31.796 | 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:

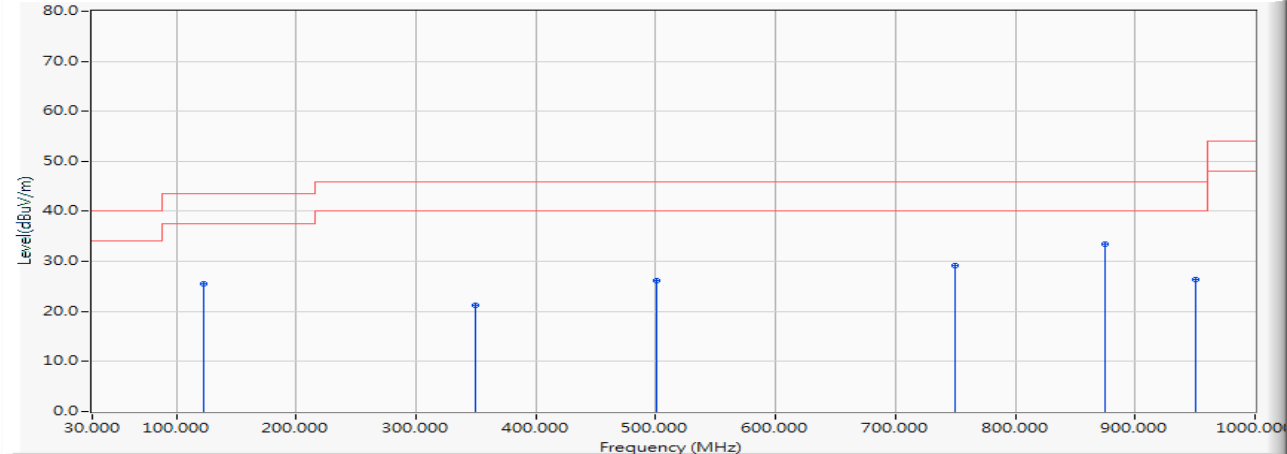
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



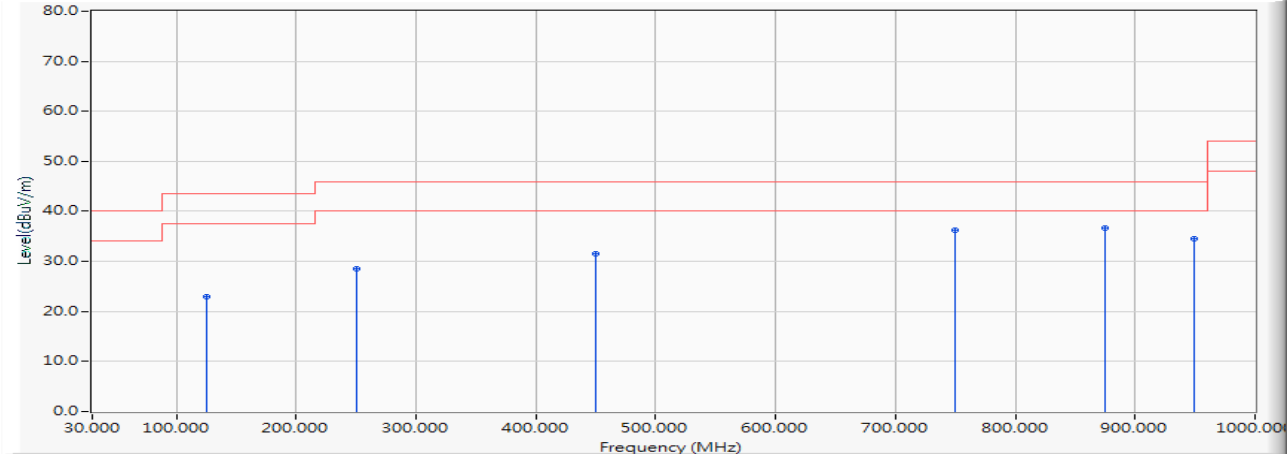
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 150.280 | -3.075 | 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:

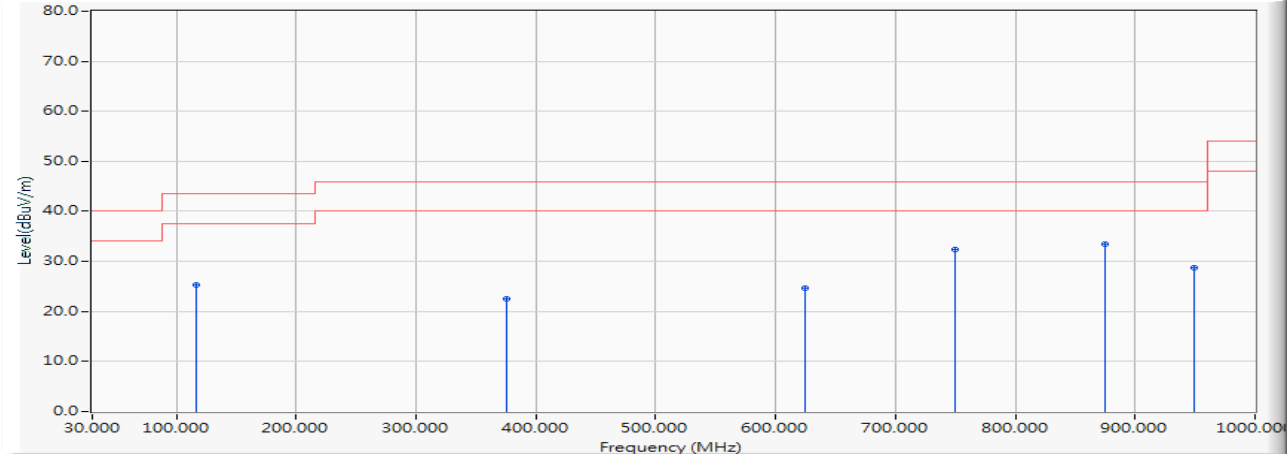
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



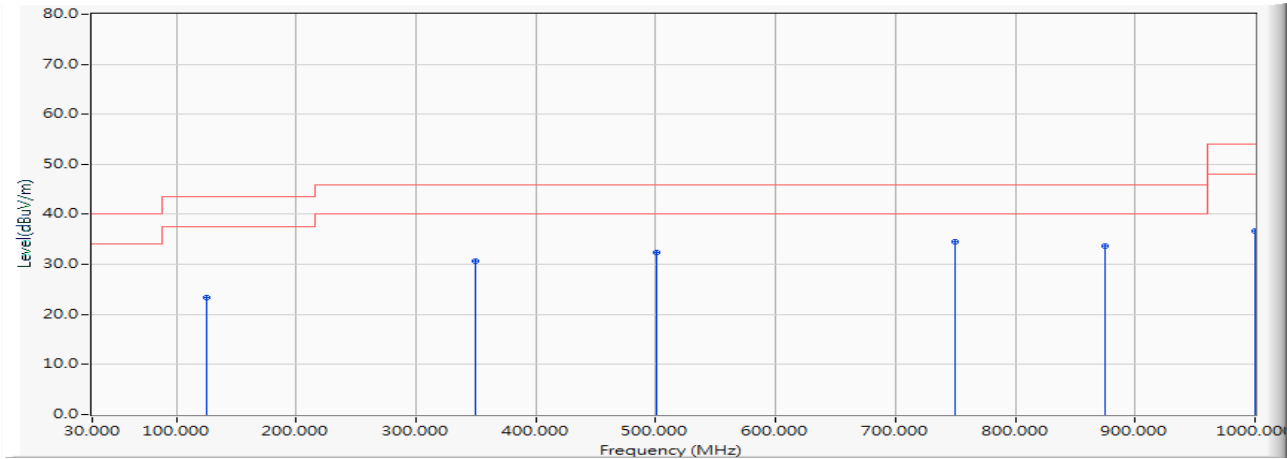
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 125.060 | -8.411 | 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:

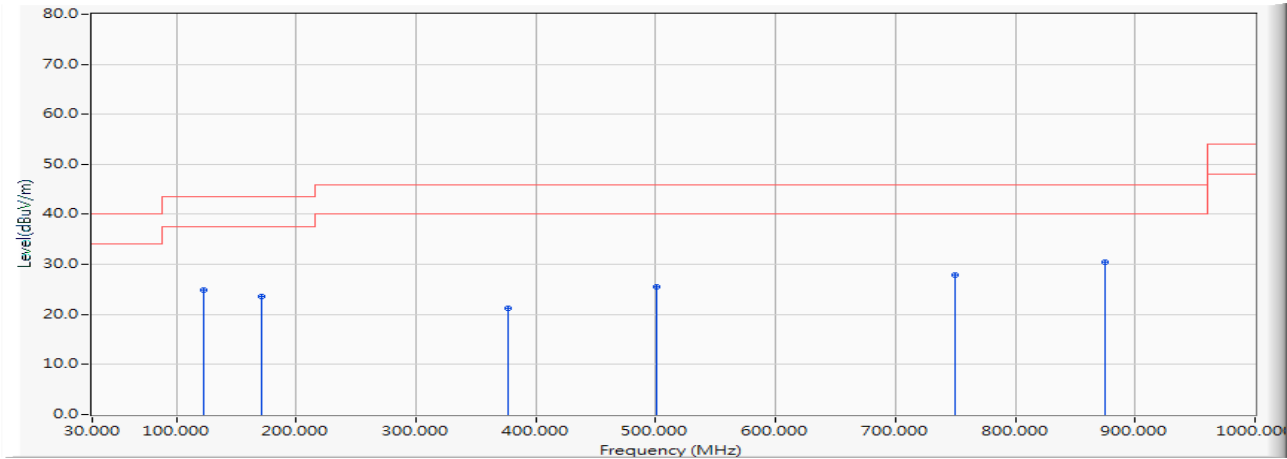
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



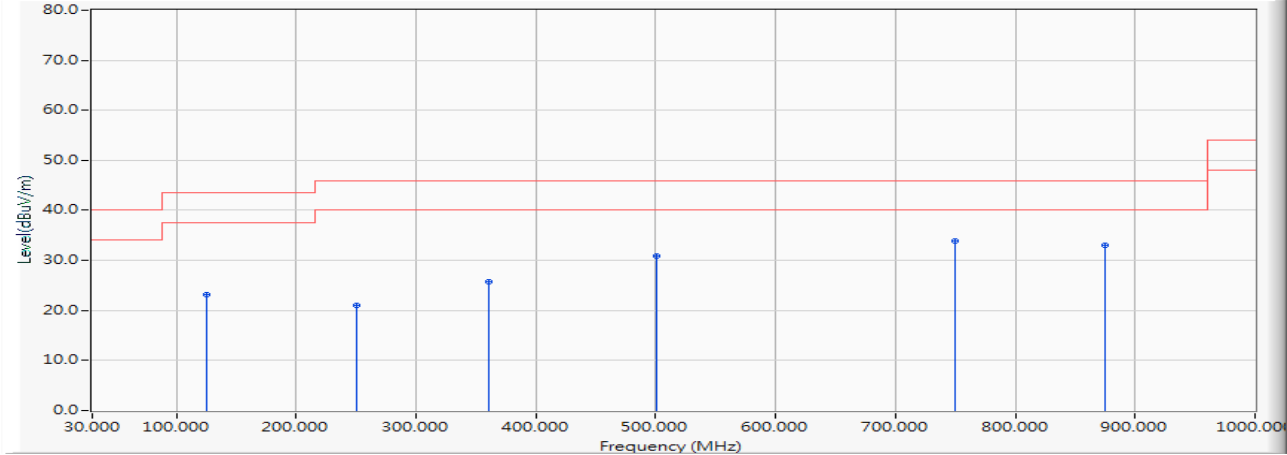
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 125.060 | -8.411 | 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:

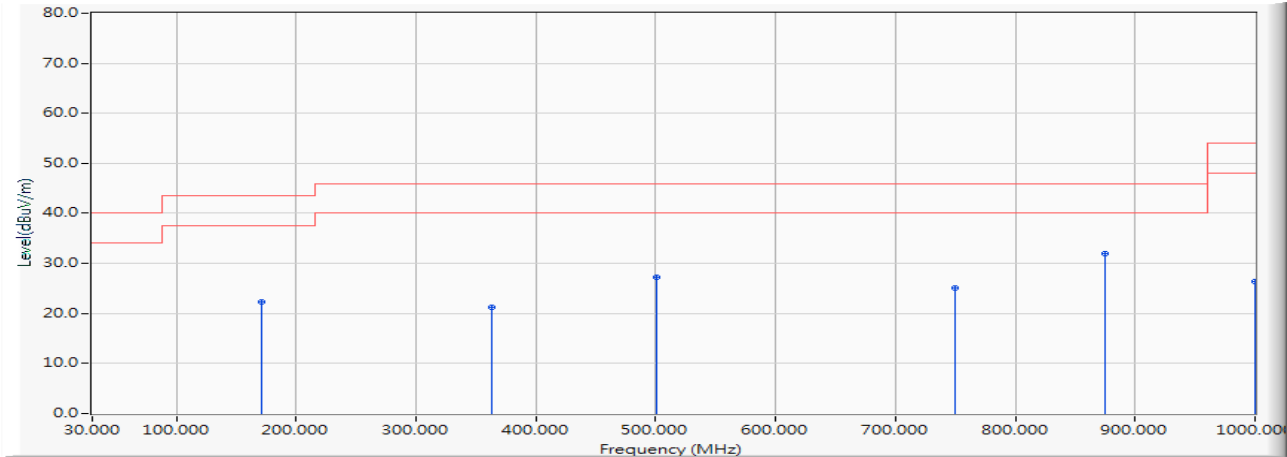
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



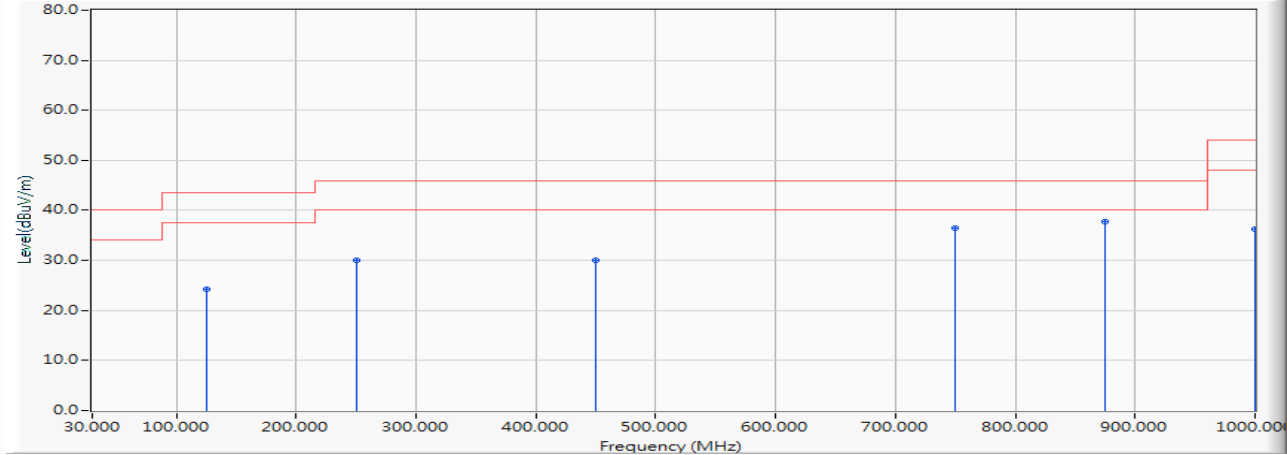
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 125.060 | -8.411 | 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:

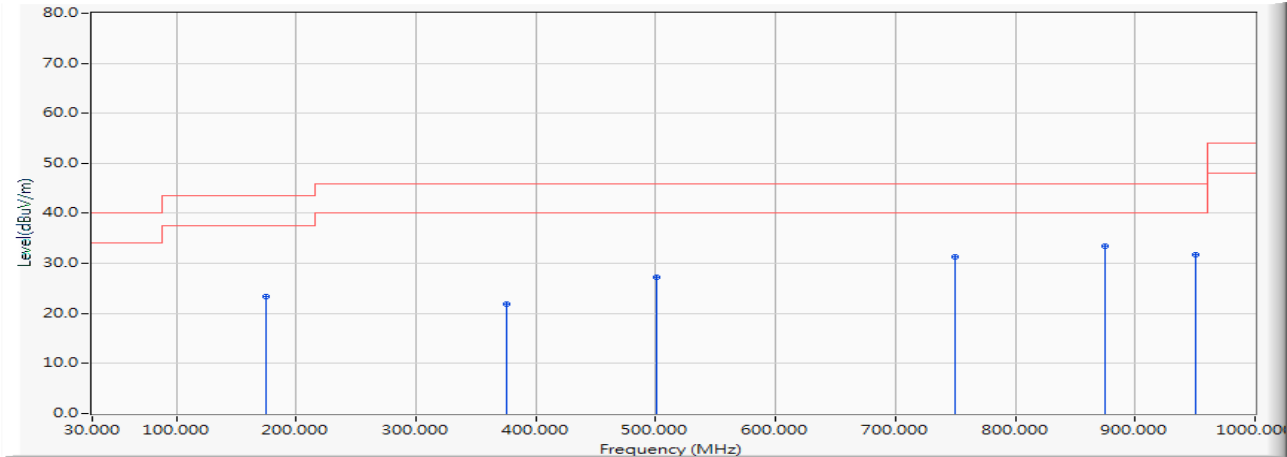
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



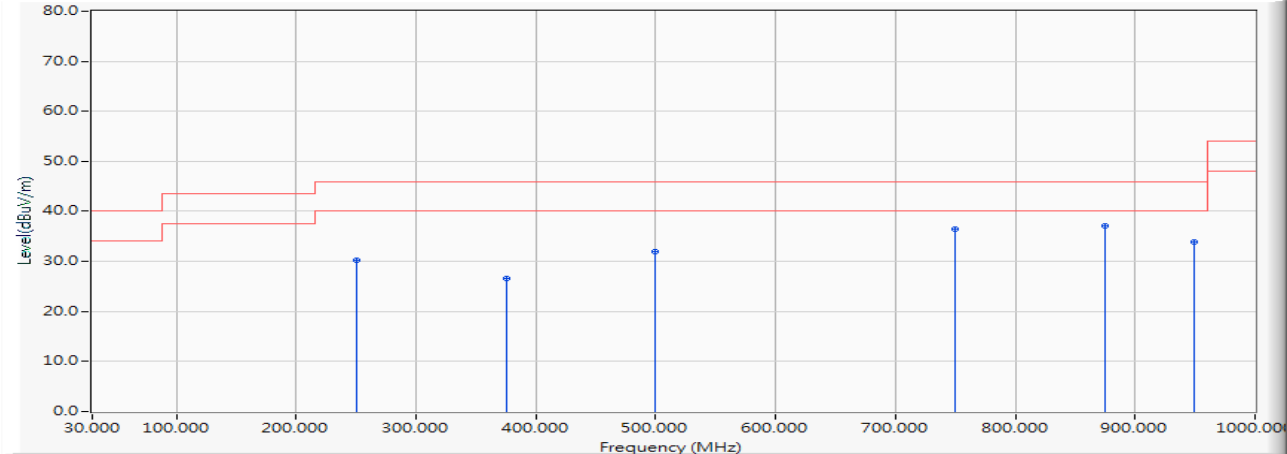
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 125.060 | -8.411 | 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:

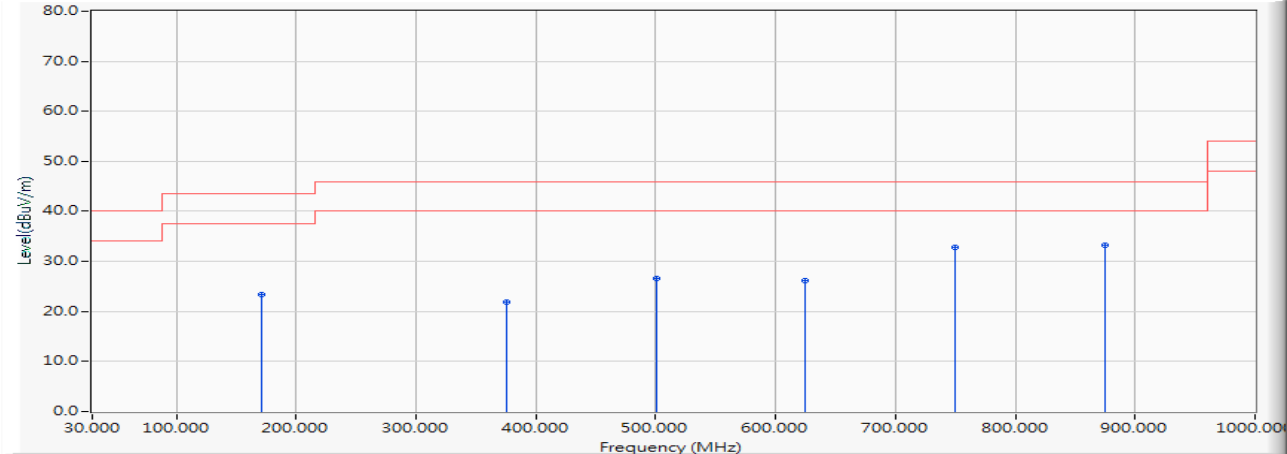
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



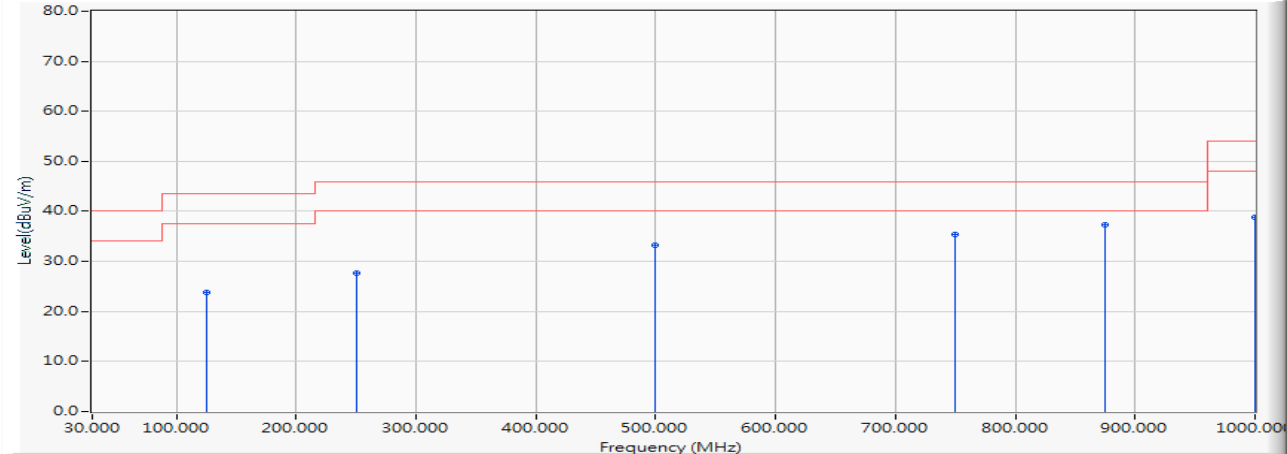
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 250.190 | -6.410 | 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:

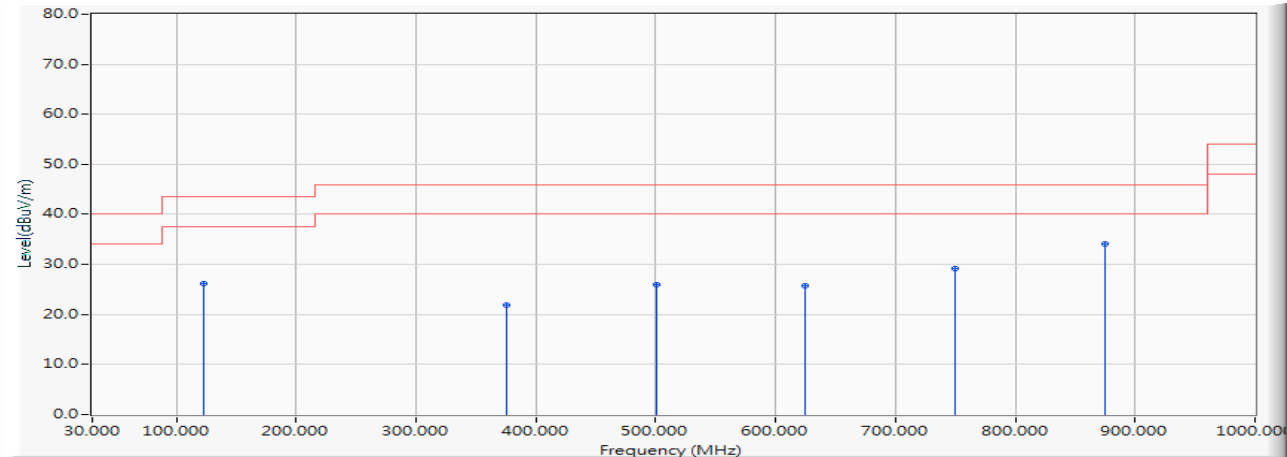
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



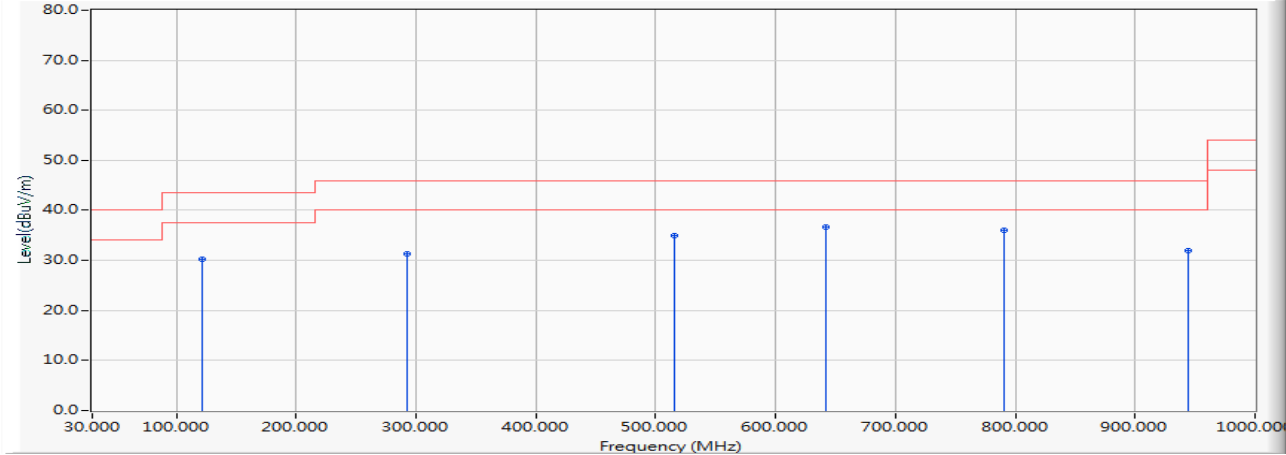
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 125.060 | -8.411 | 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:

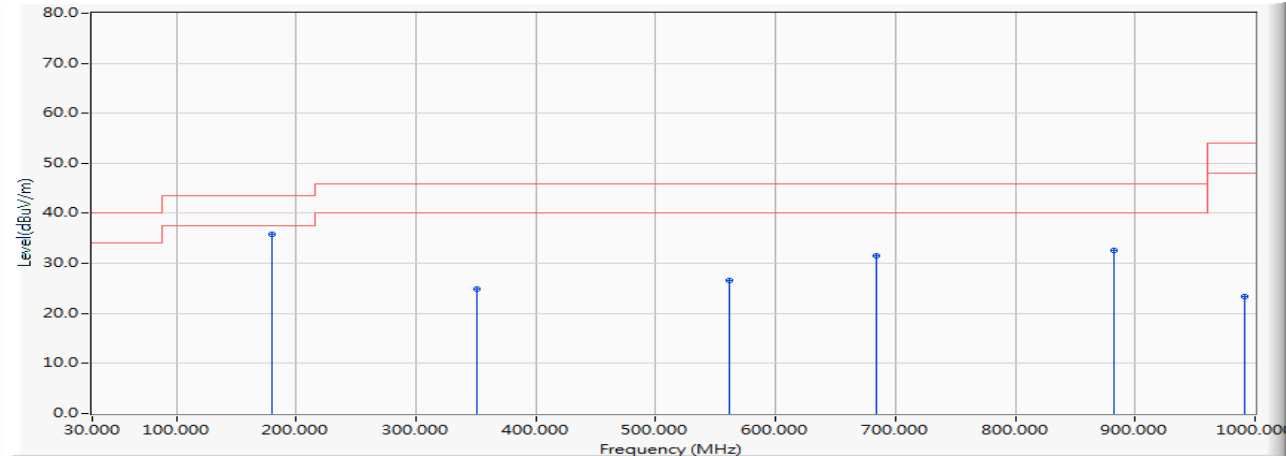
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



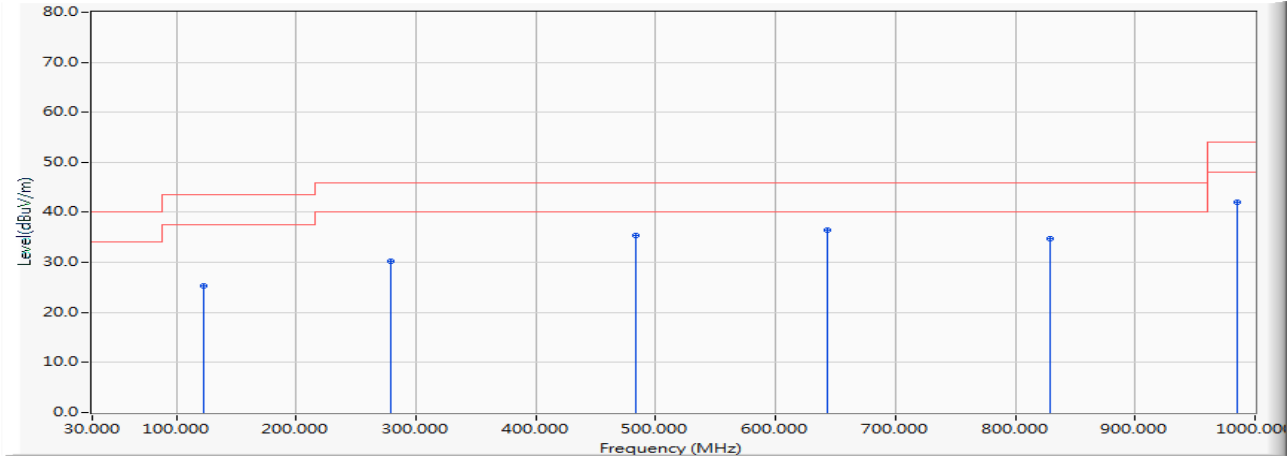
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 121.730 | -10.263 | 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:

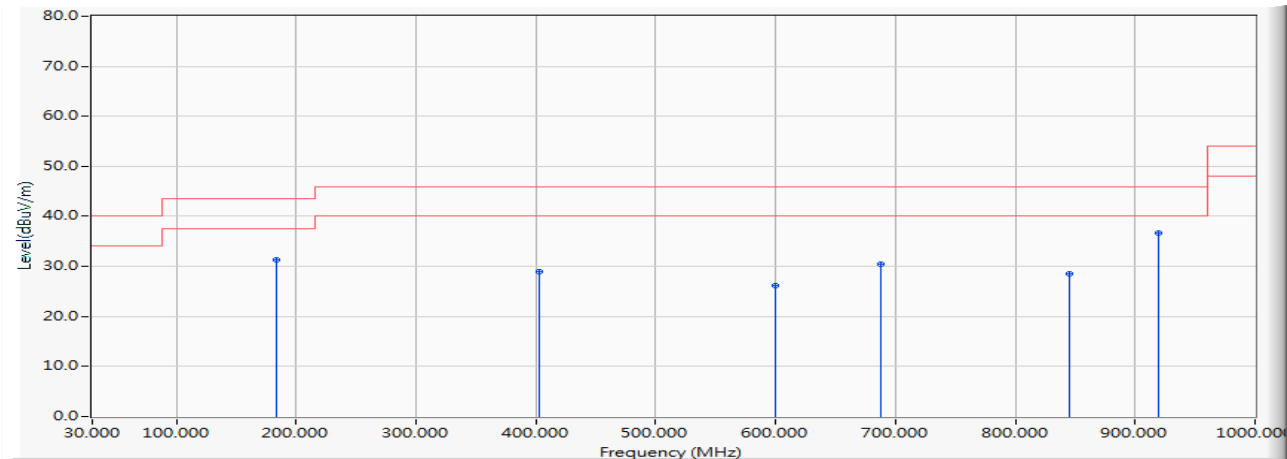
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



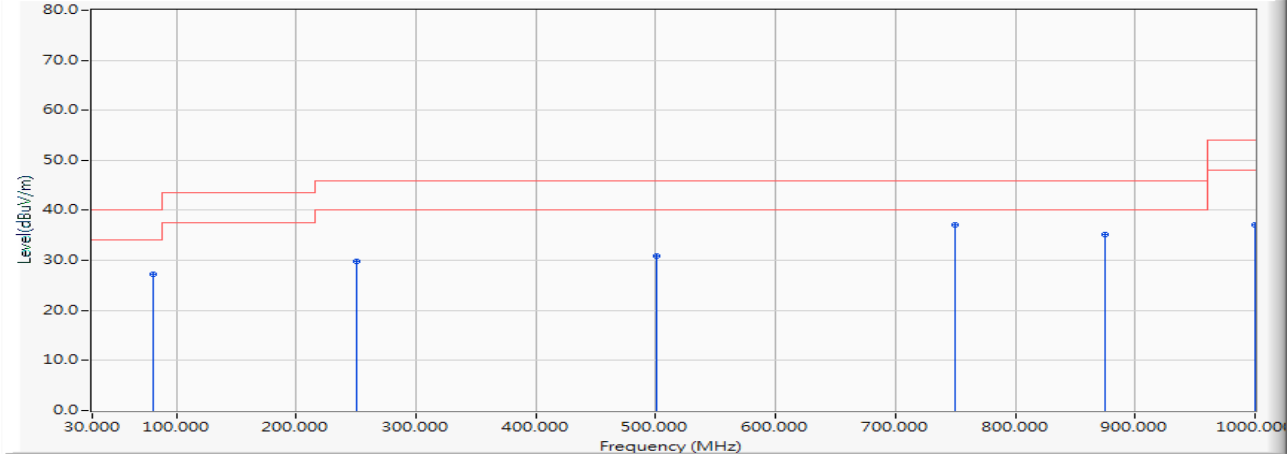
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 122.960 | -9.580 | 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:

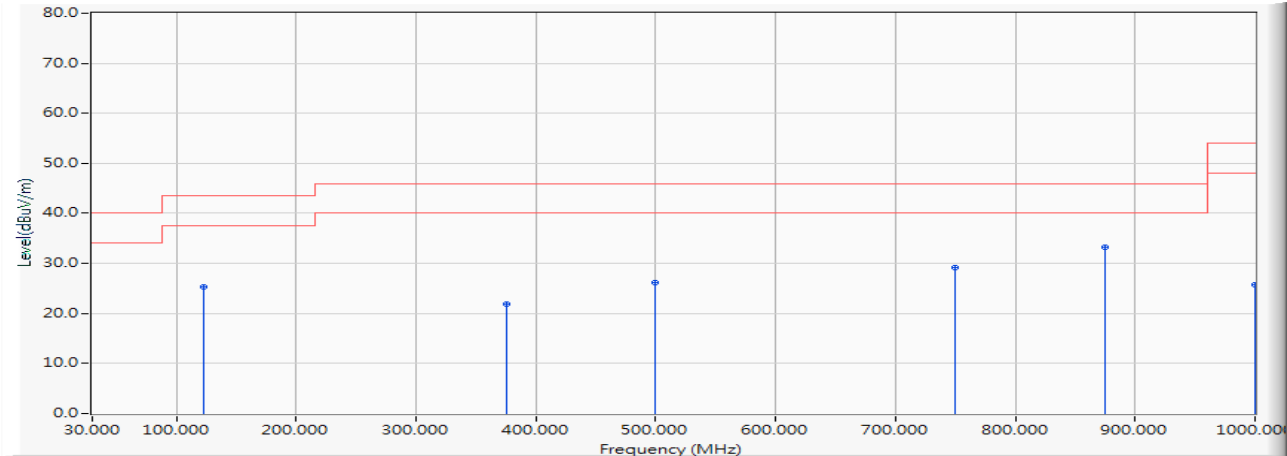
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



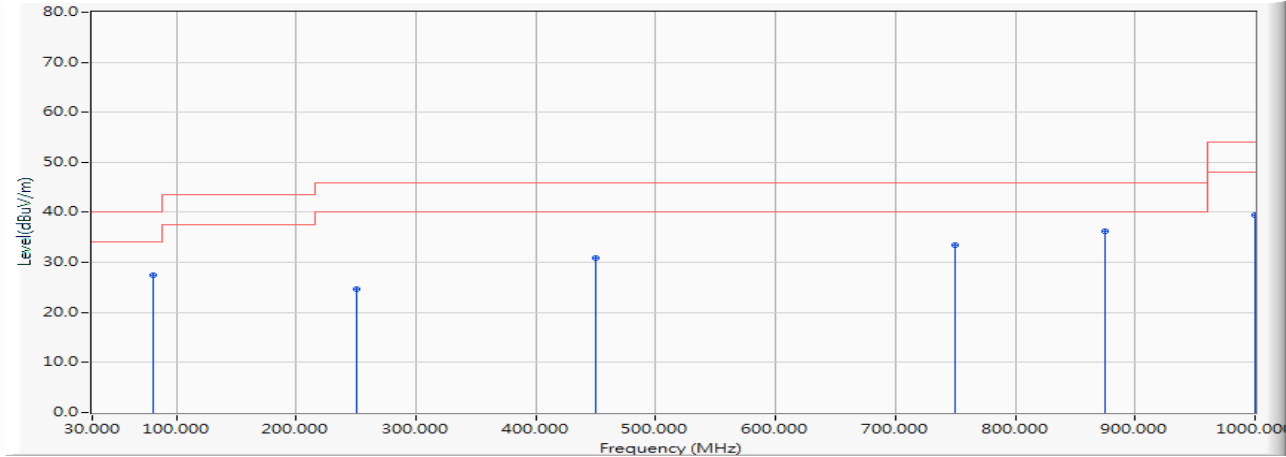
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 80.440 | -16.587 | 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:

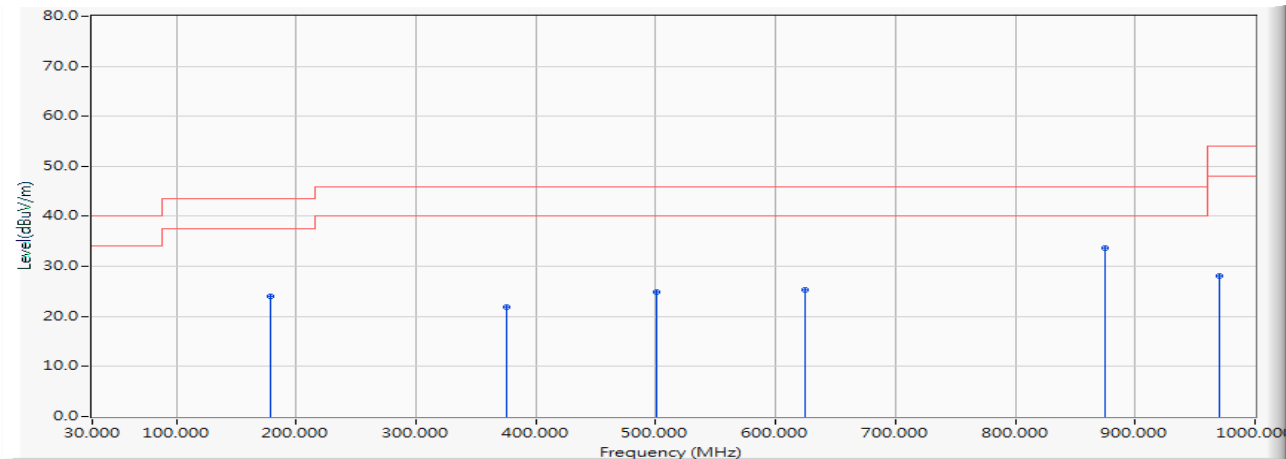
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



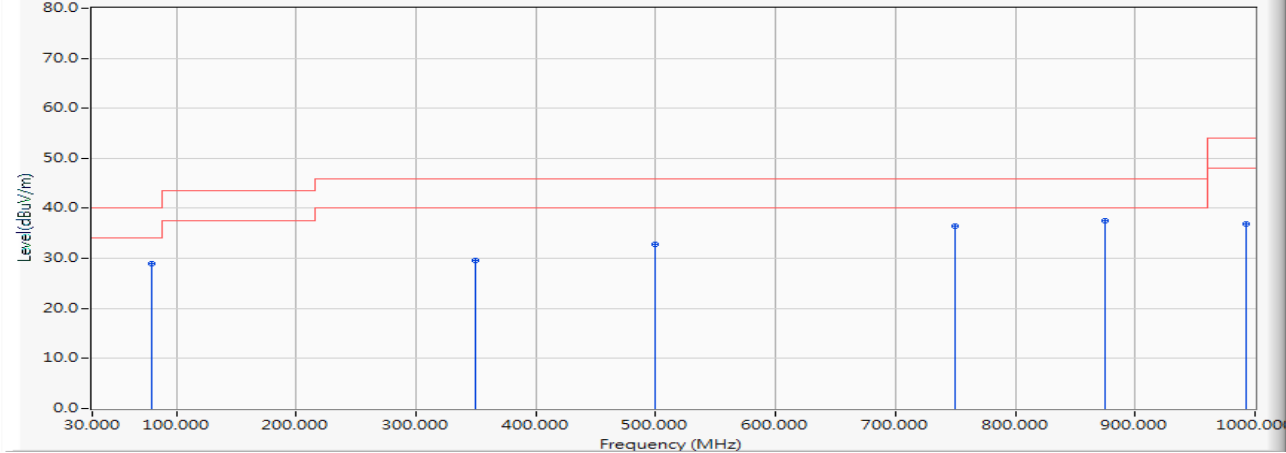
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 80.440 | -16.587 | 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:

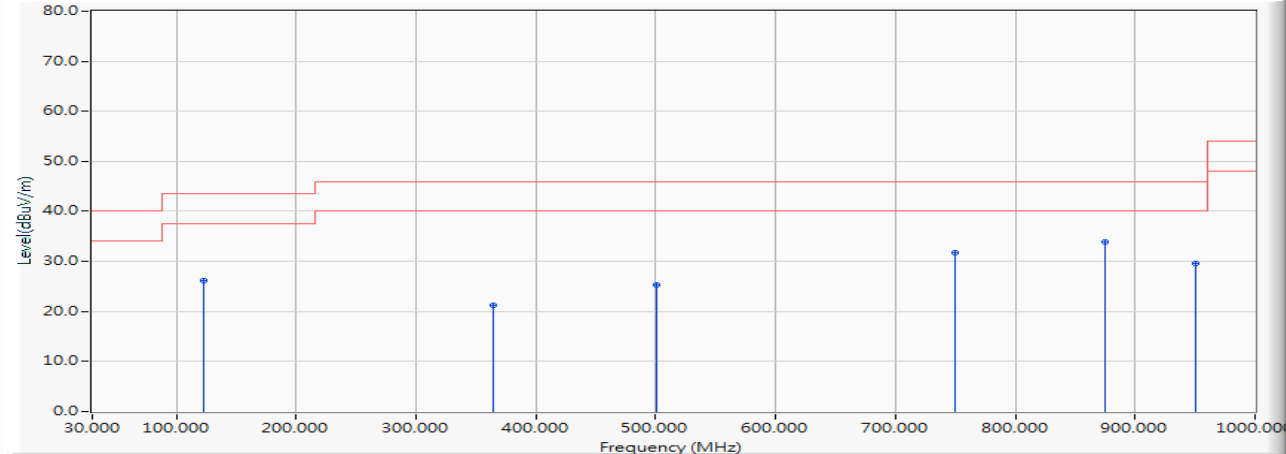
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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:



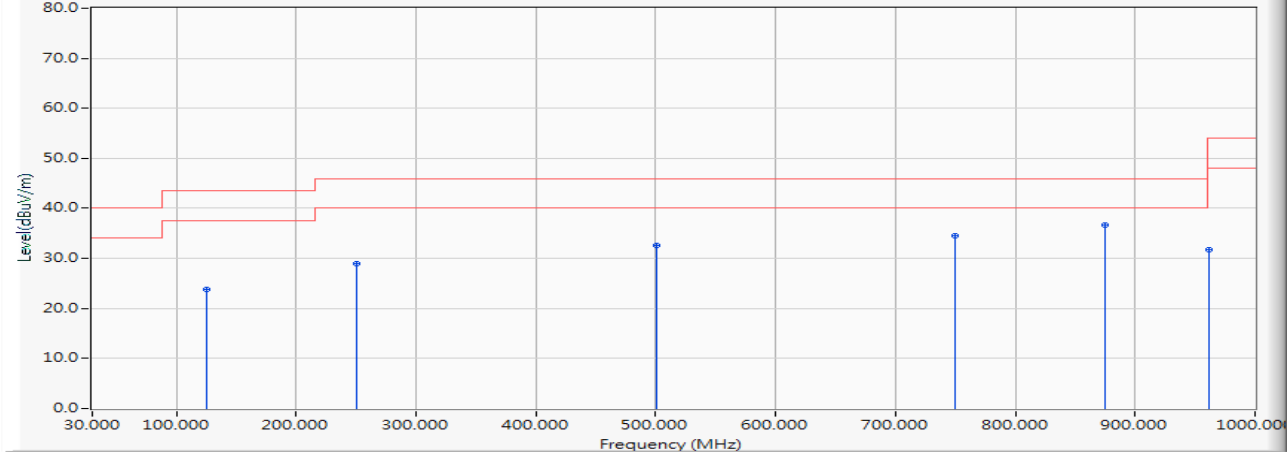
| Frequency | Correct | Reading | Measurement | Margin | Limit |
|----------------------|---------|------------|--------------|---------|--------------|
| MHz | Factor | Level | Level | | |
| | dB | dB μ V | dB μ V/m | dB | dB μ V/m |
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 79.470 | -16.425 | 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:

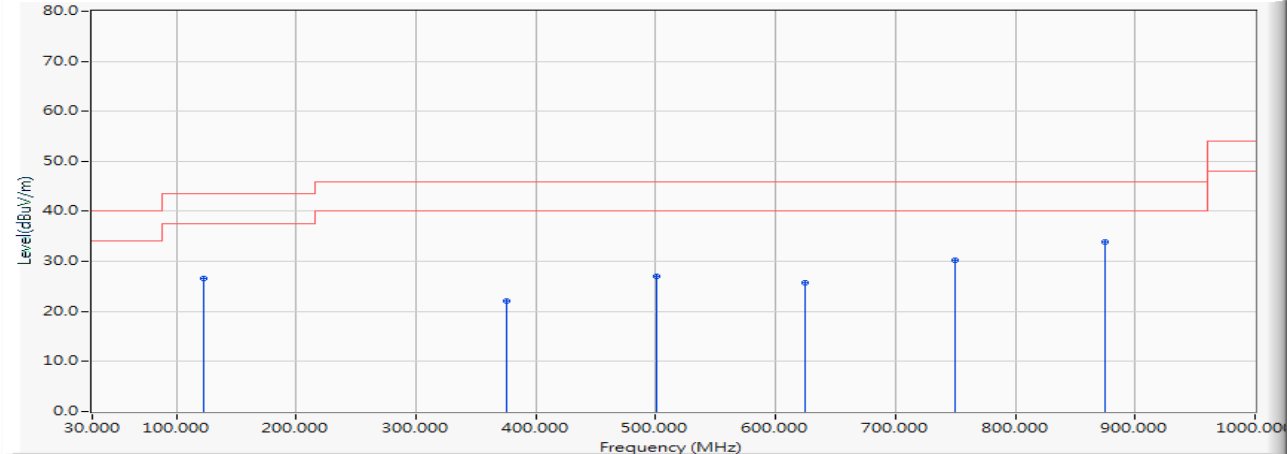
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured 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 |

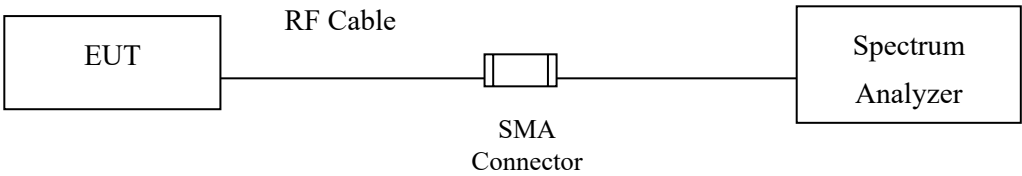
Note:

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.

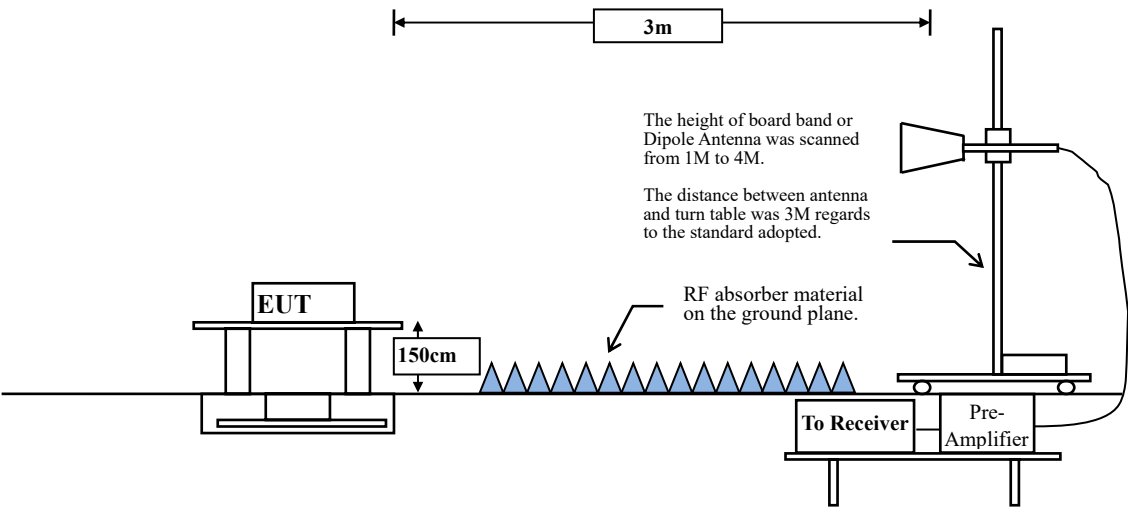
6. Band Edge

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 (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/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)

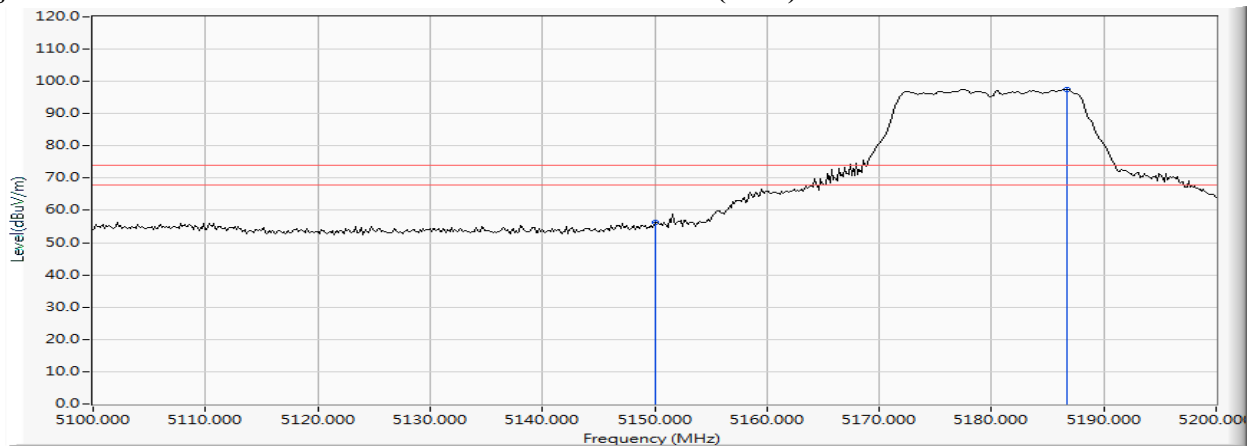
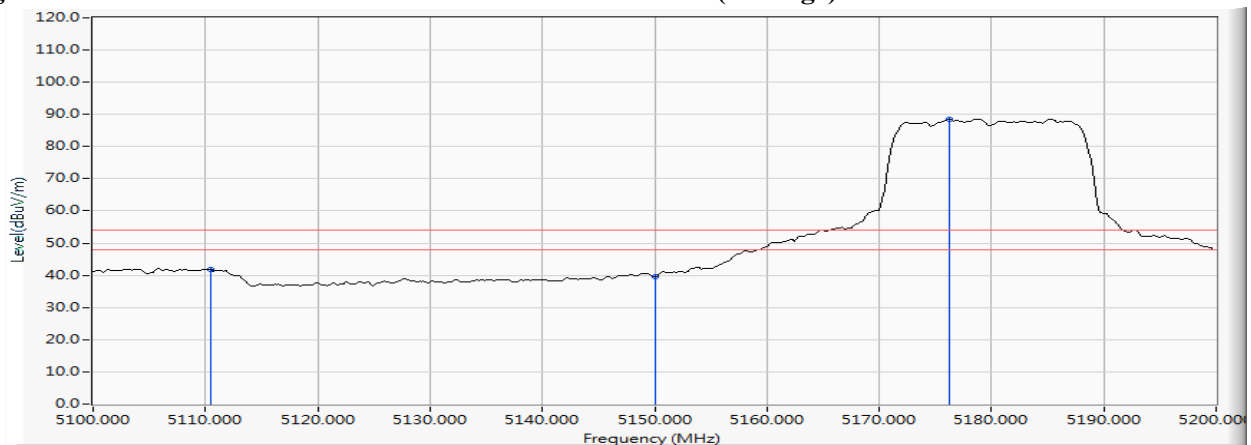


Figure Channel 36: Horizontal (Average)



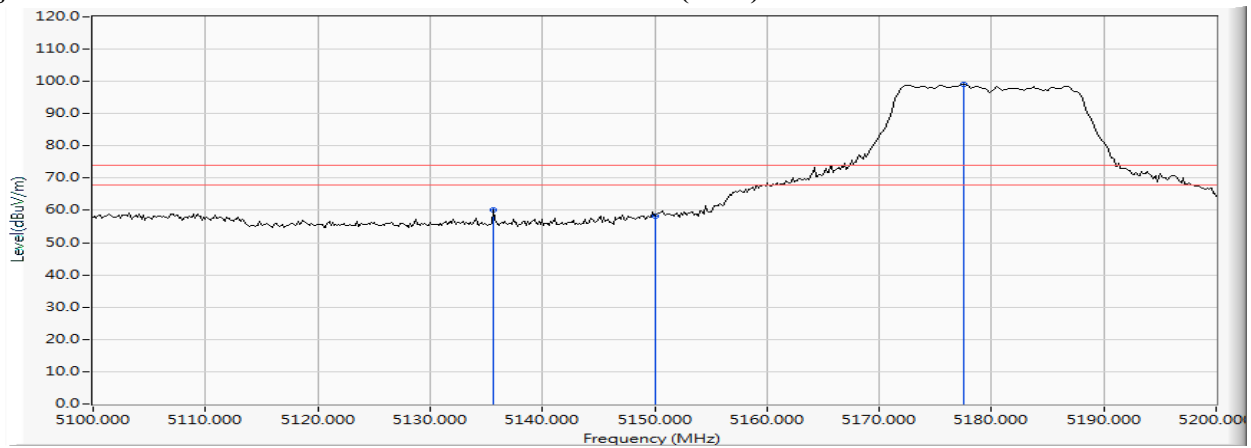
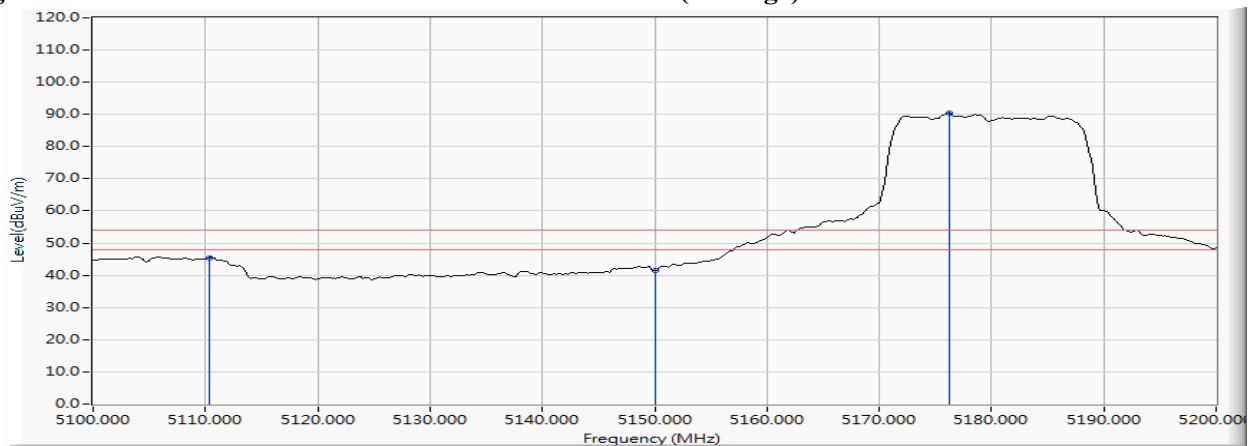
Note:

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)**

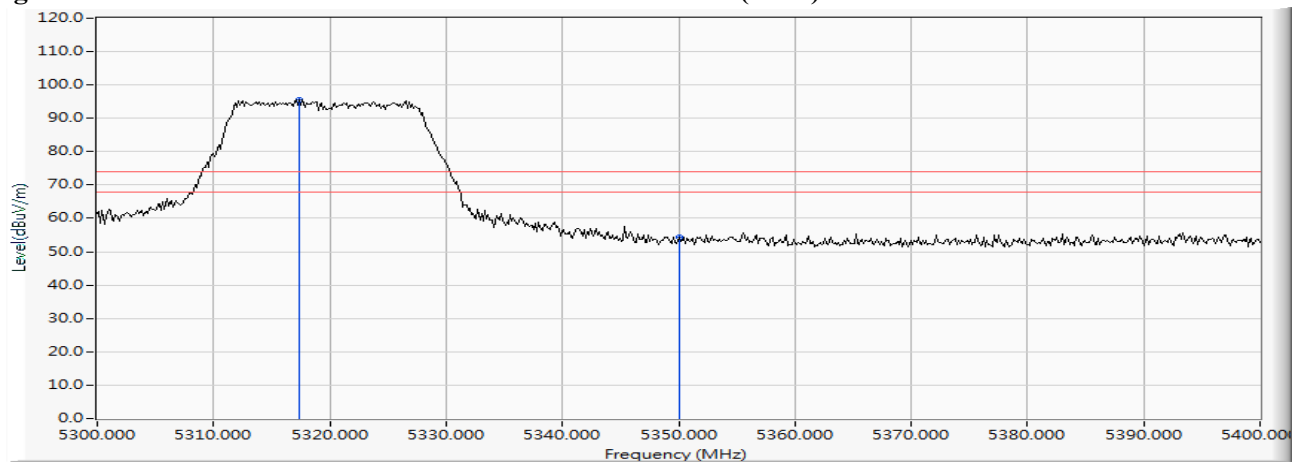
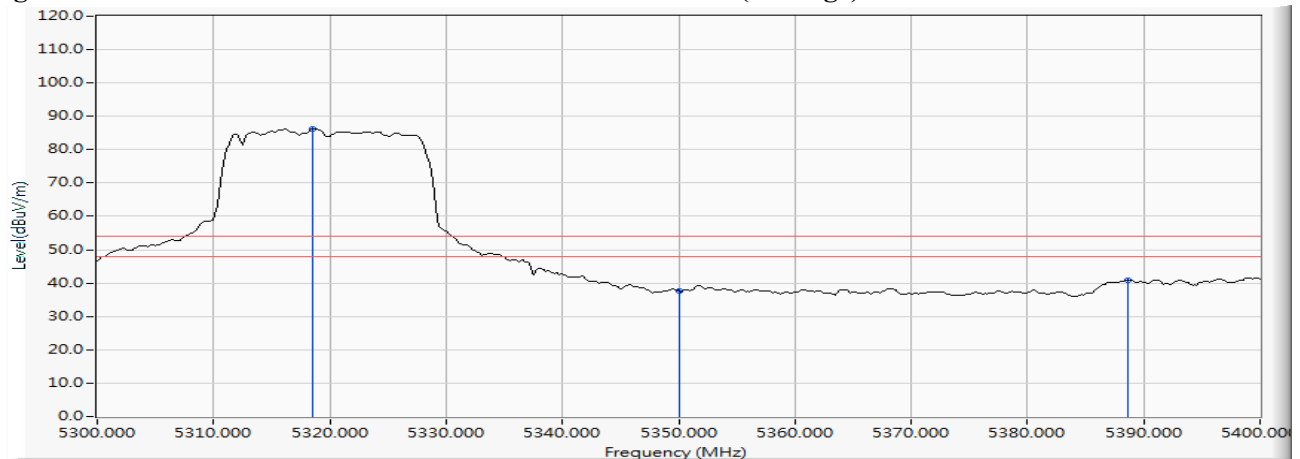
Note:

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 (dB μ V) | Emission Level (dB μ V/m) | Peak Limit (dB μ V/m) | Average Limit (dB μ V/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)


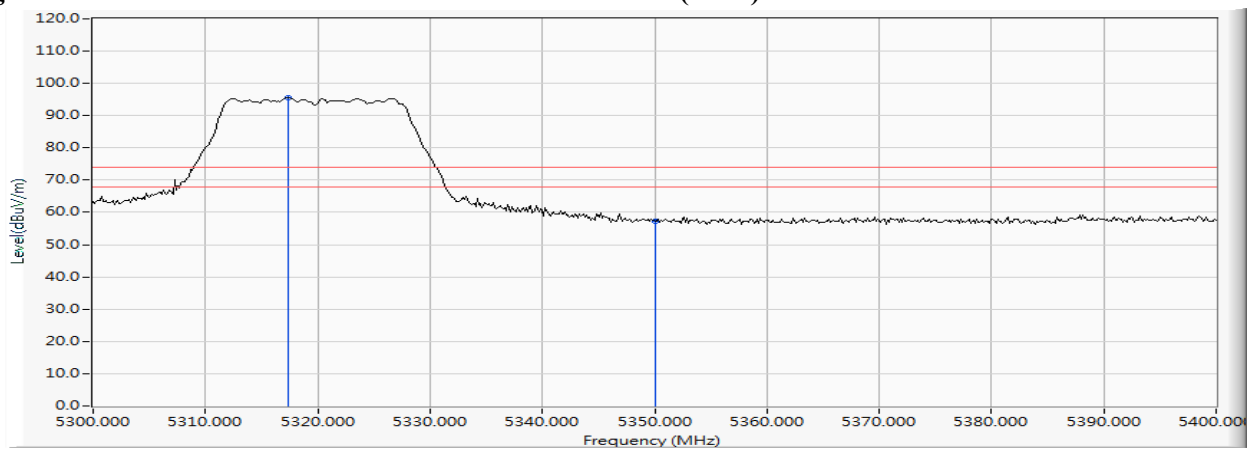
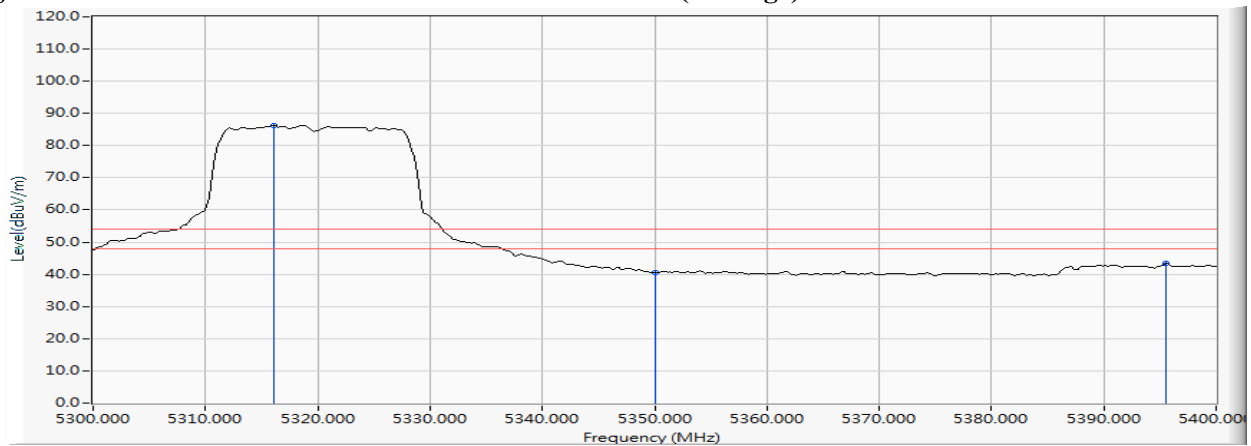
Note:

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 (dB μ V) | Emission Level (dB μ V/m) | Peak Limit (dB μ V/m) | Average Limit (dB μ V/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)**

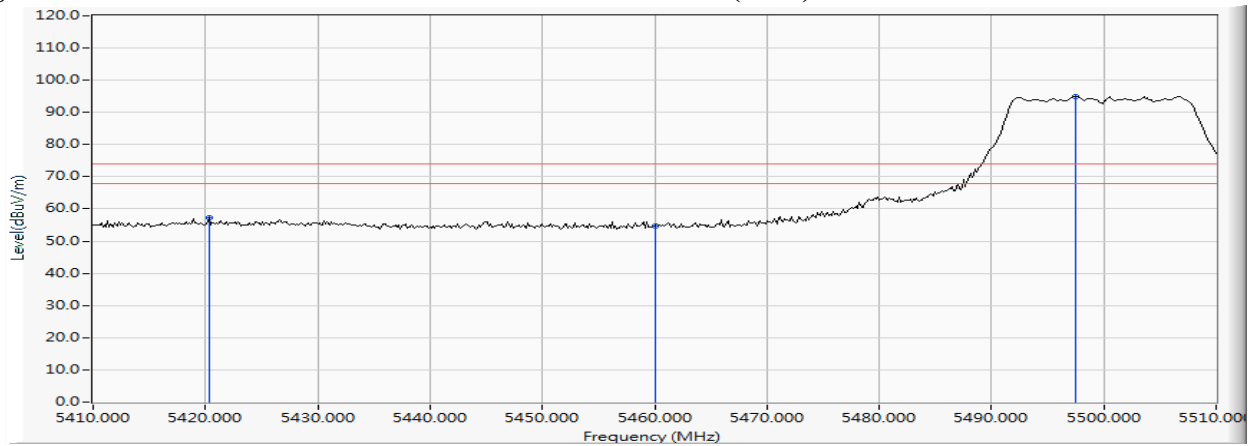
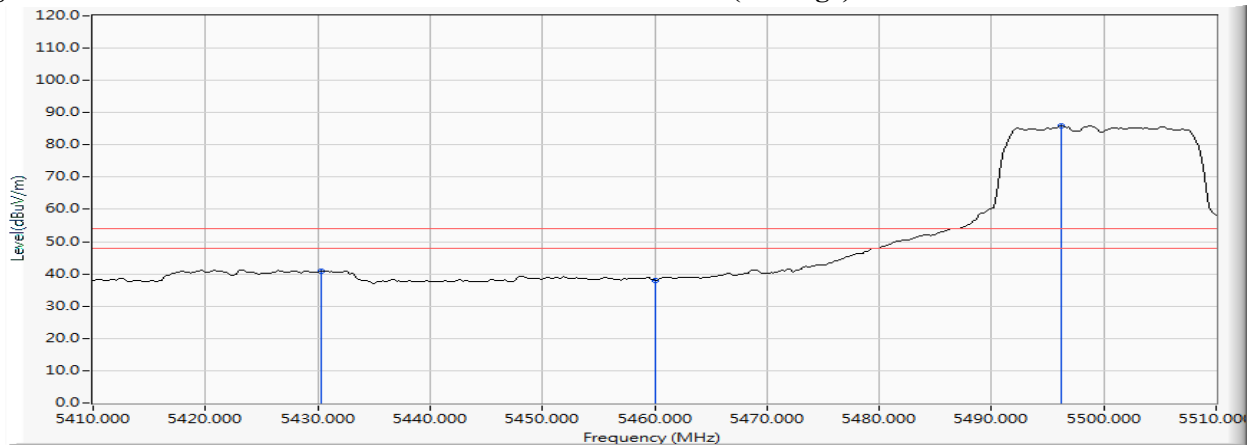
Note:

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)**

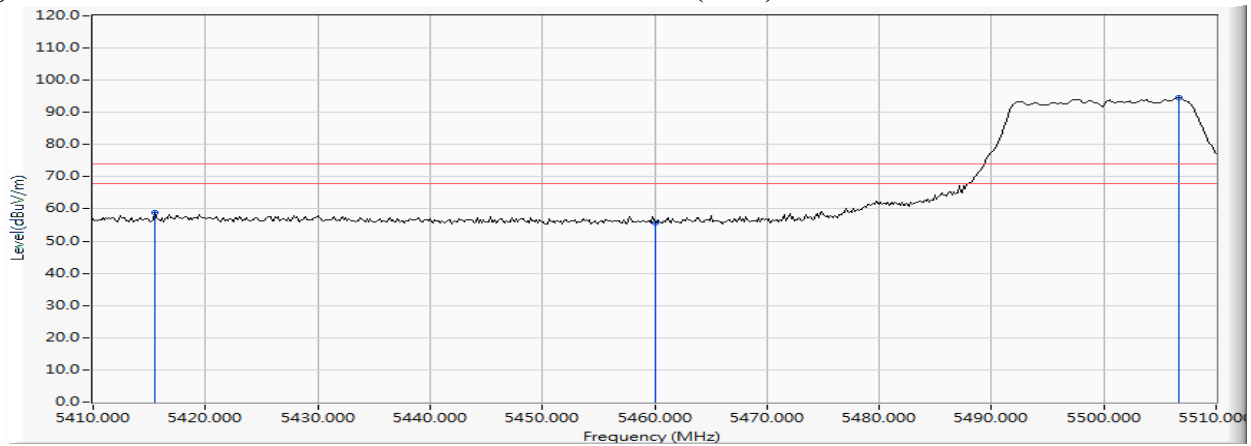
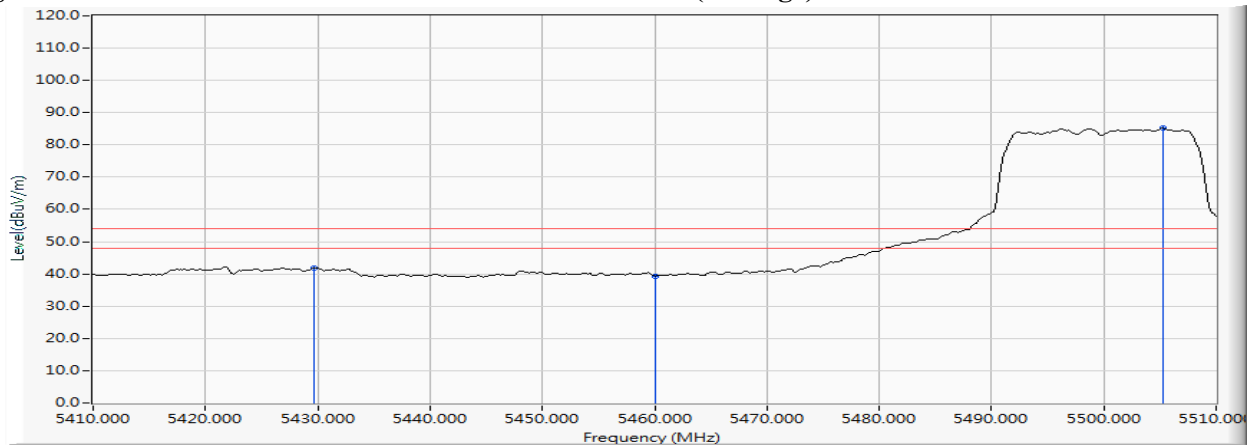
Note:

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)**

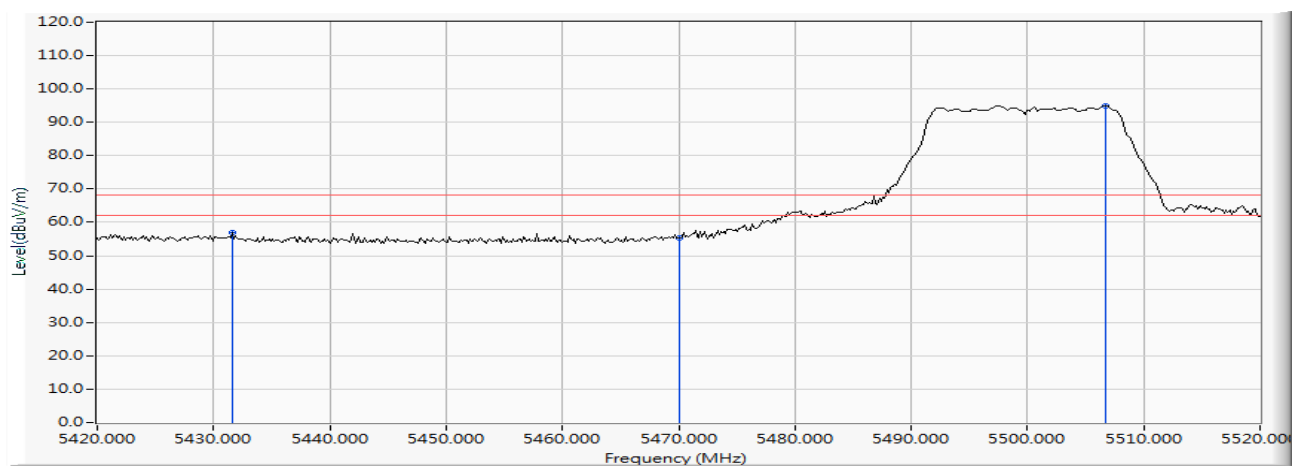
Note:

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.

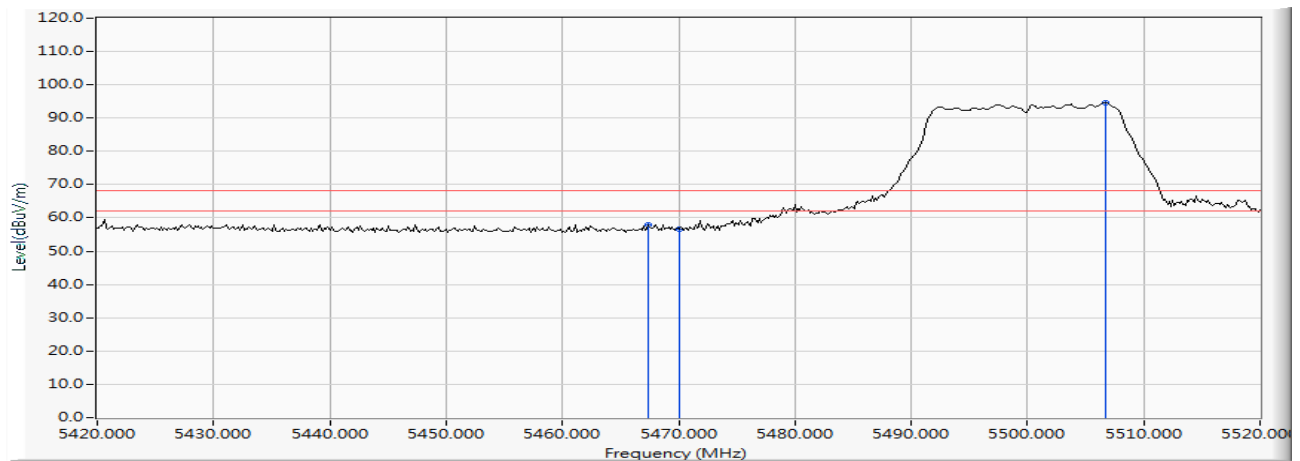
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

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 | -- | -- | -- |



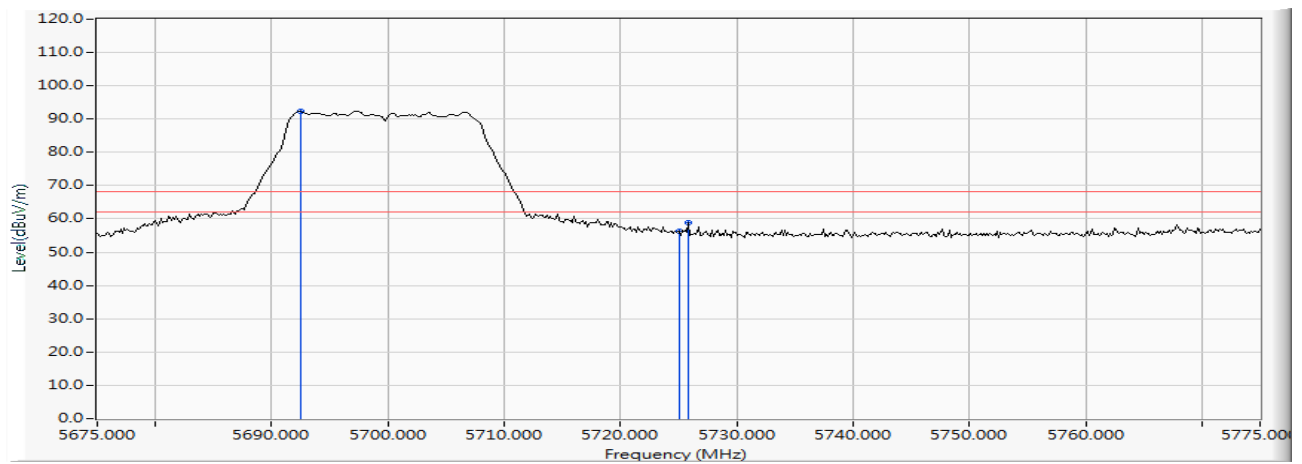
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Measure Level (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Result |
|----------|-----------------|---------------------|----------------------|------------------------|-------------|----------------|--------|
| Vertical | 5467.391 | 13.444 | 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 | -- | -- | -- |



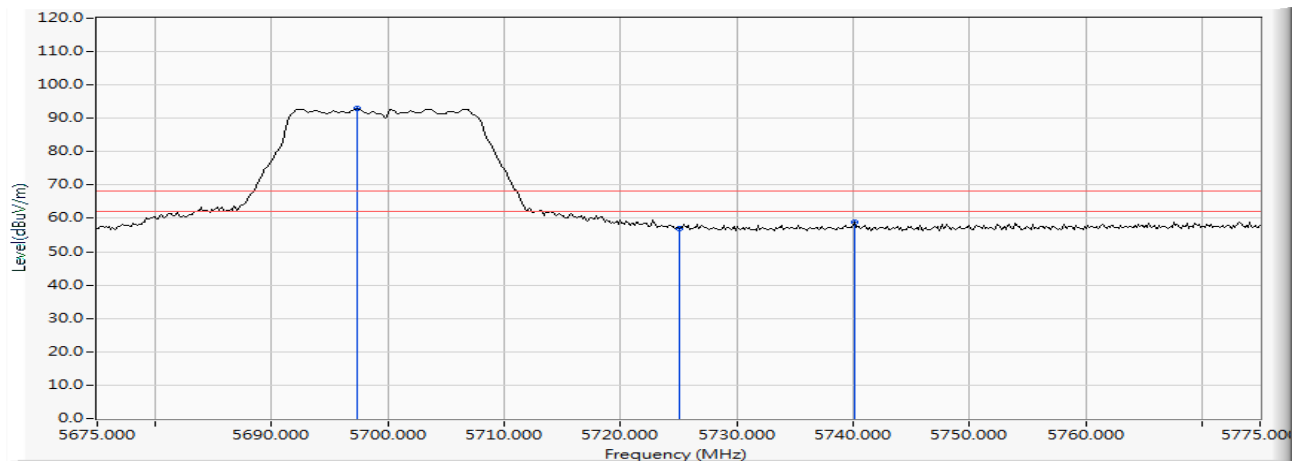
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz)

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 |



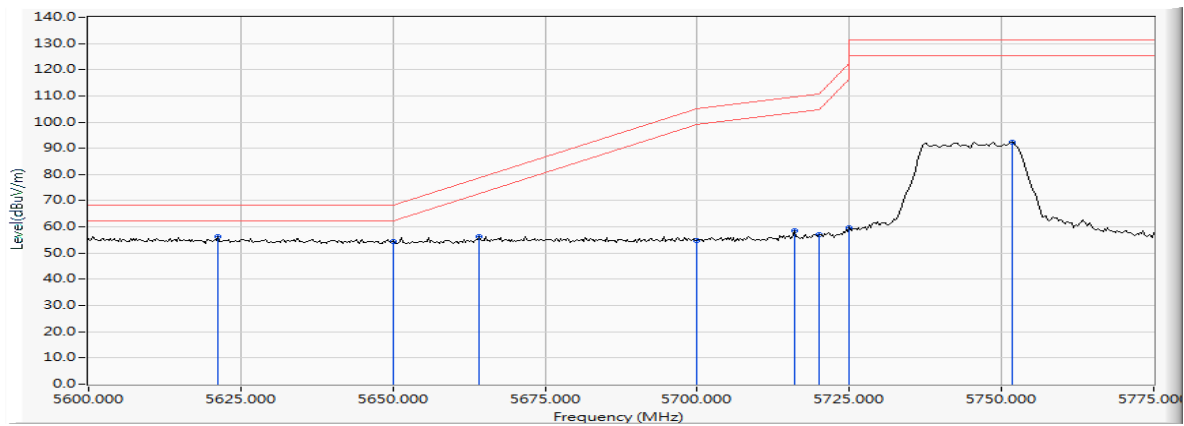
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Measure Level (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Result |
|----------|-----------------|---------------------|----------------------|------------------------|-------------|----------------|--------|
| Vertical | 5697.319 | 13.008 | 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 |



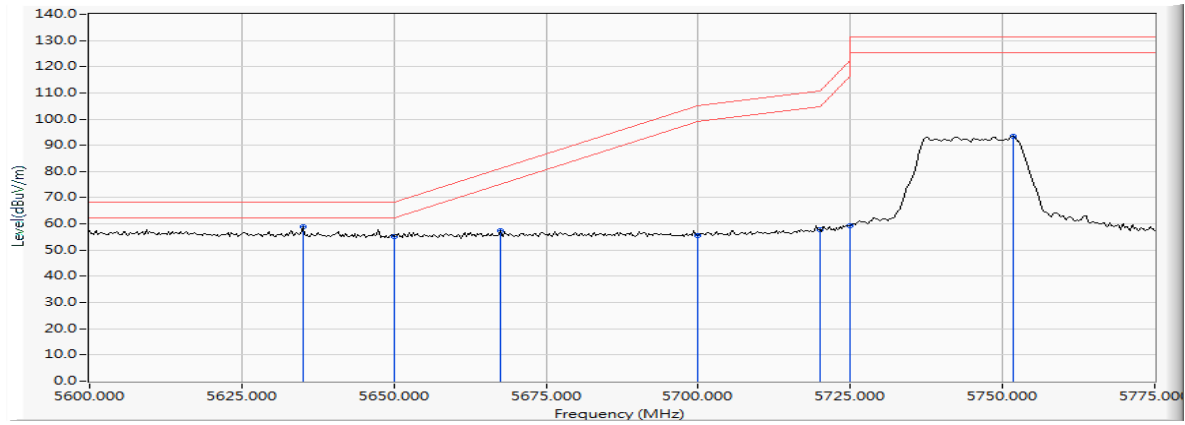
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5745MHz)

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 |



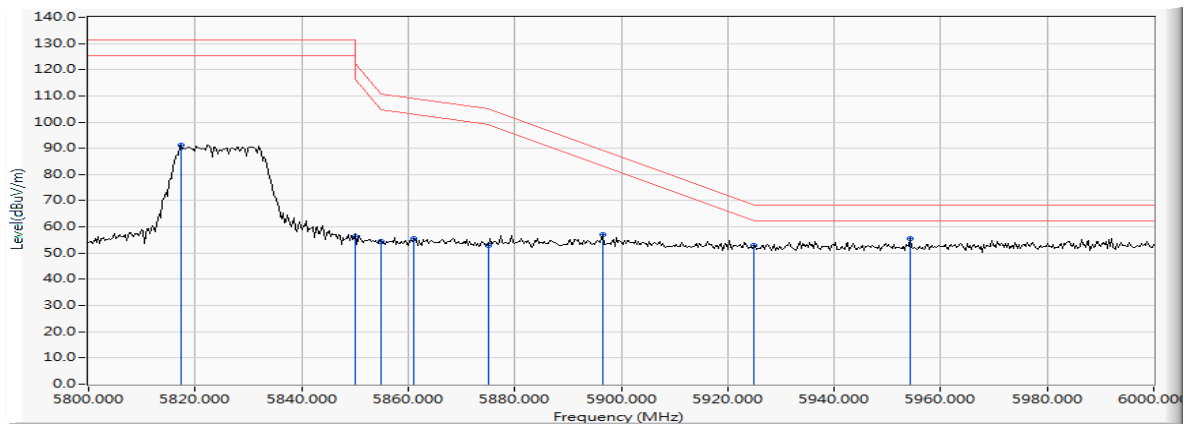
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Measure Level (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Result |
|----------|-----------------|---------------------|----------------------|------------------------|-------------|----------------|--------|
| Vertical | 5635.000 | 13.033 | 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 |



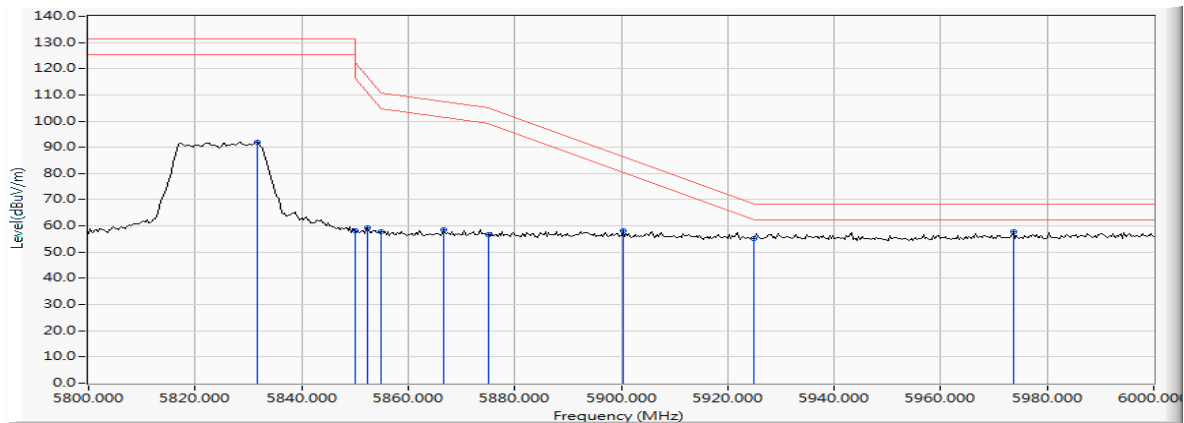
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5825MHz)

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 | -- | -- | -- |



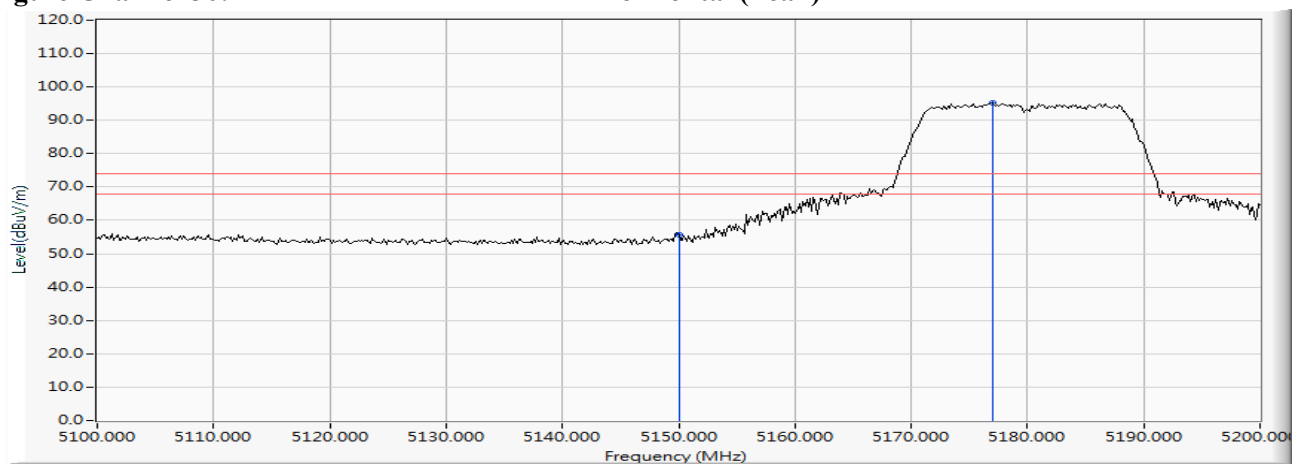
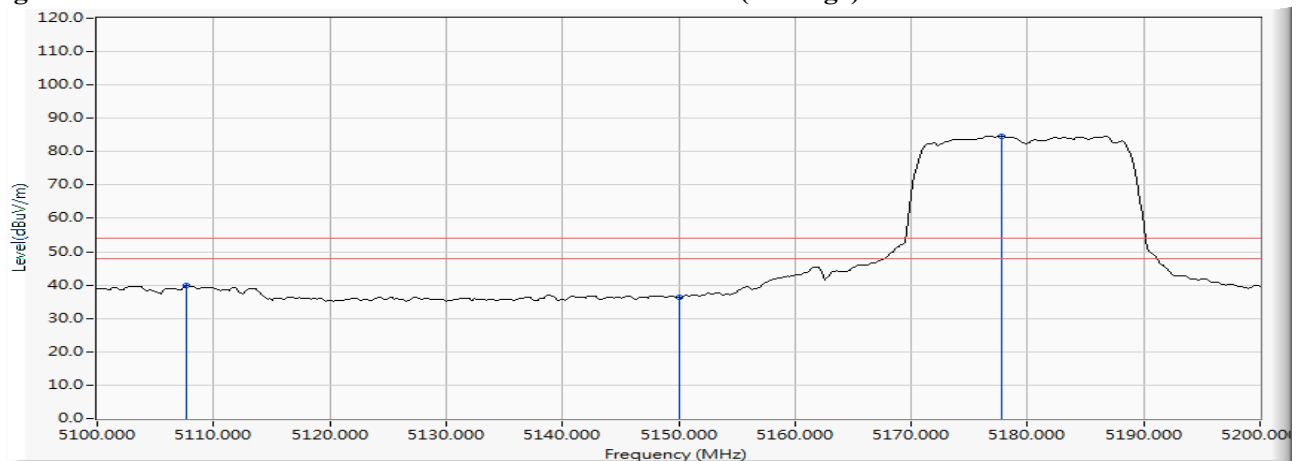
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Measure Level (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Result |
|----------|-----------------|---------------------|----------------------|------------------------|-------------|----------------|--------|
| Vertical | 5831.594 | 12.735 | 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)**

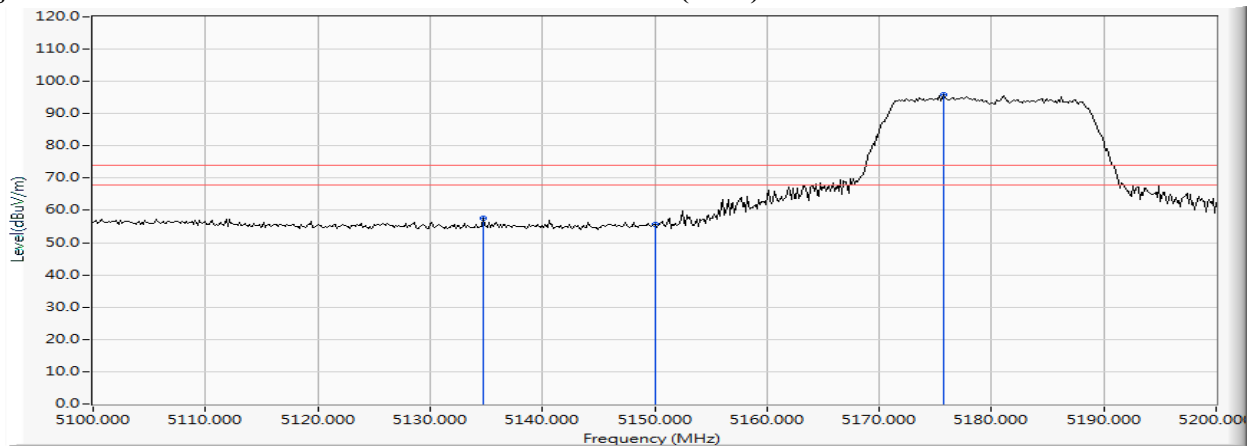
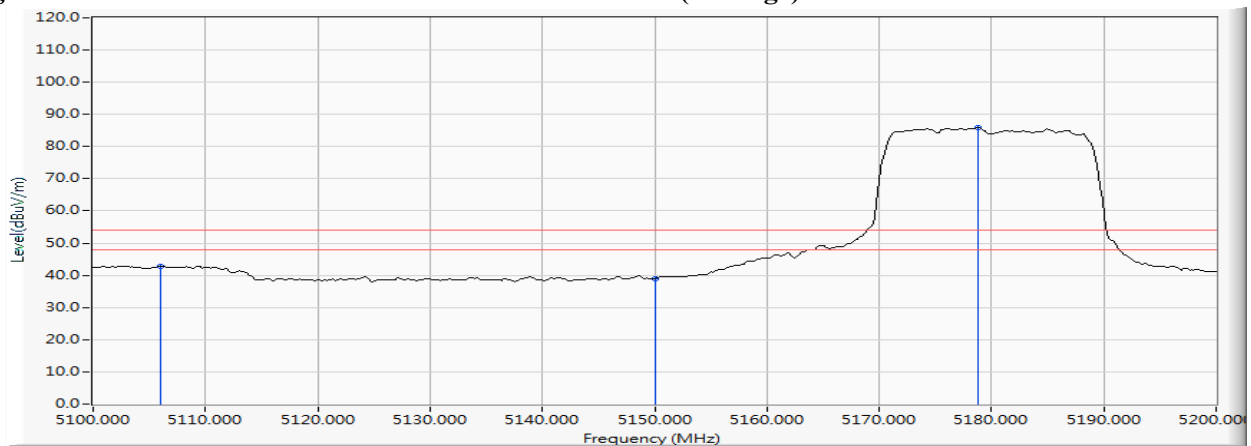
Note:

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)


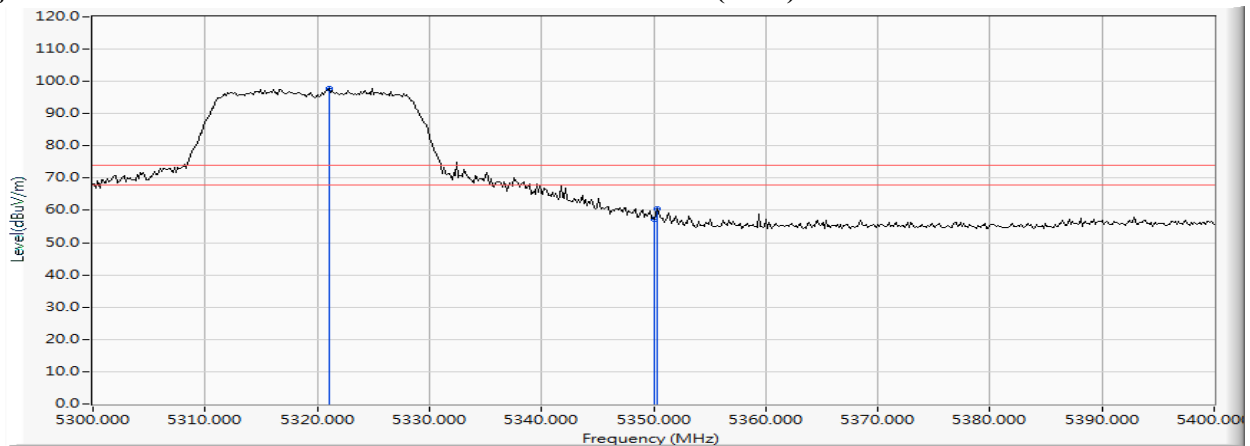
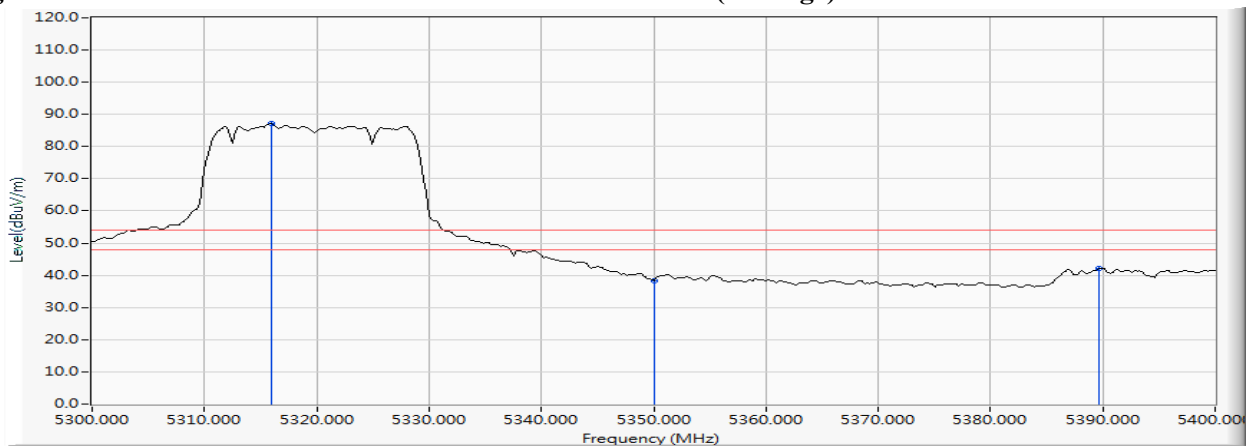
Note:

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)**

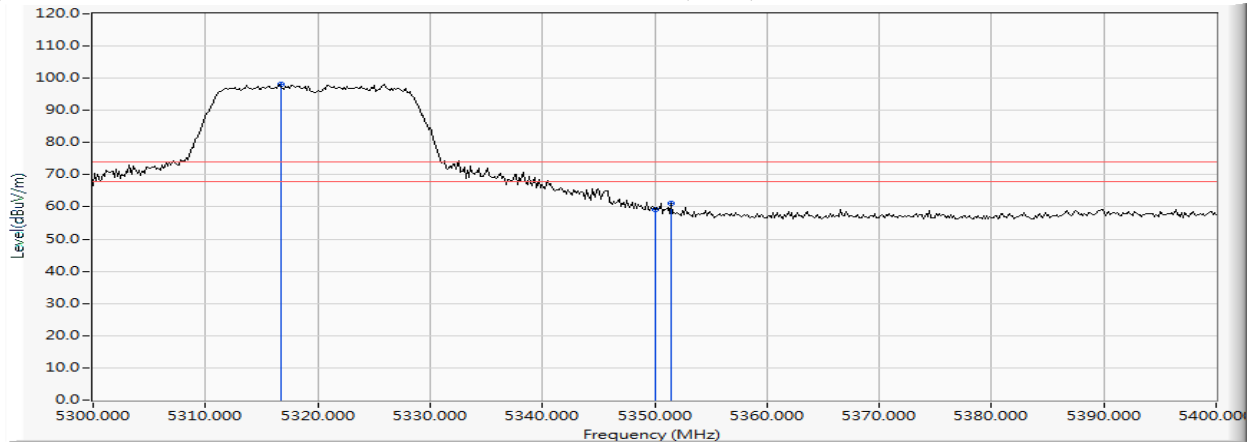
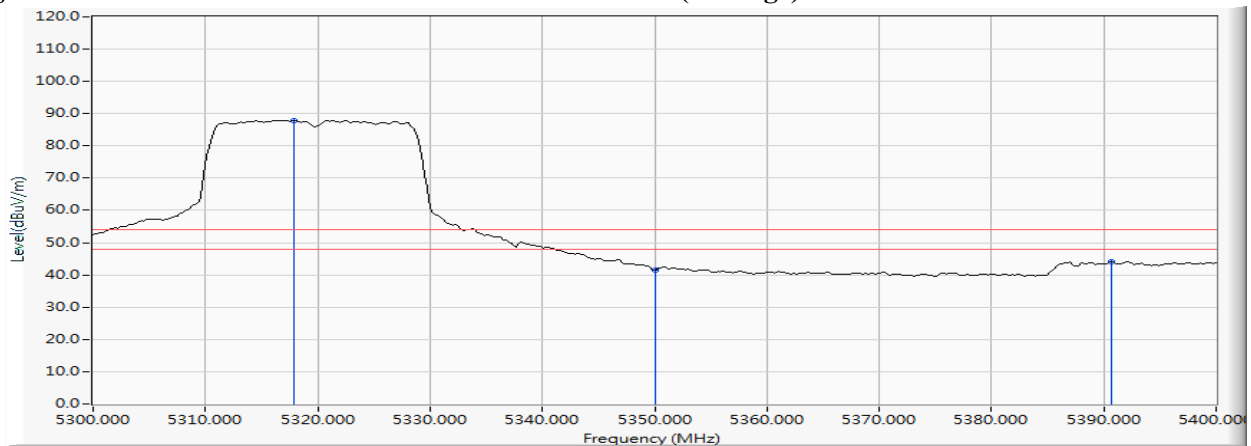
Note:

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)**

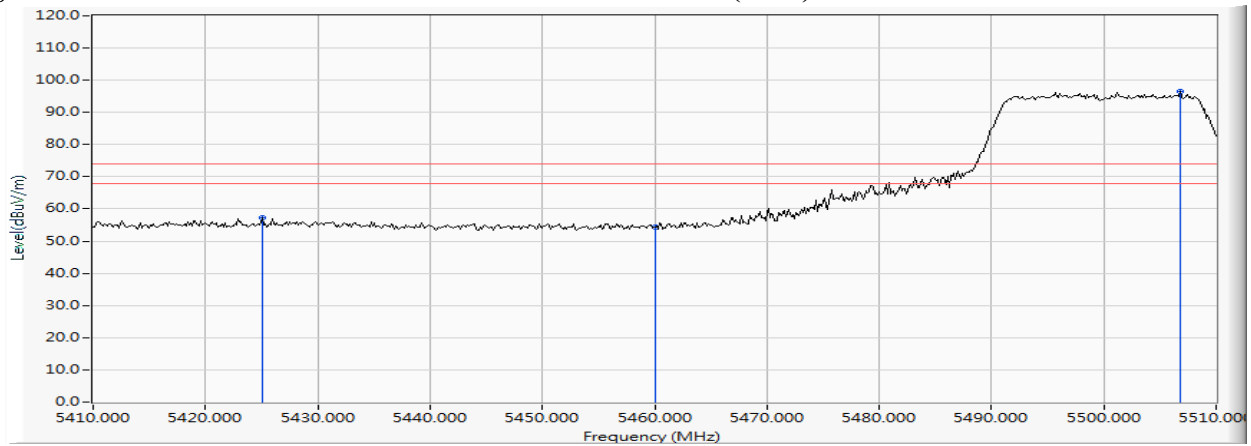
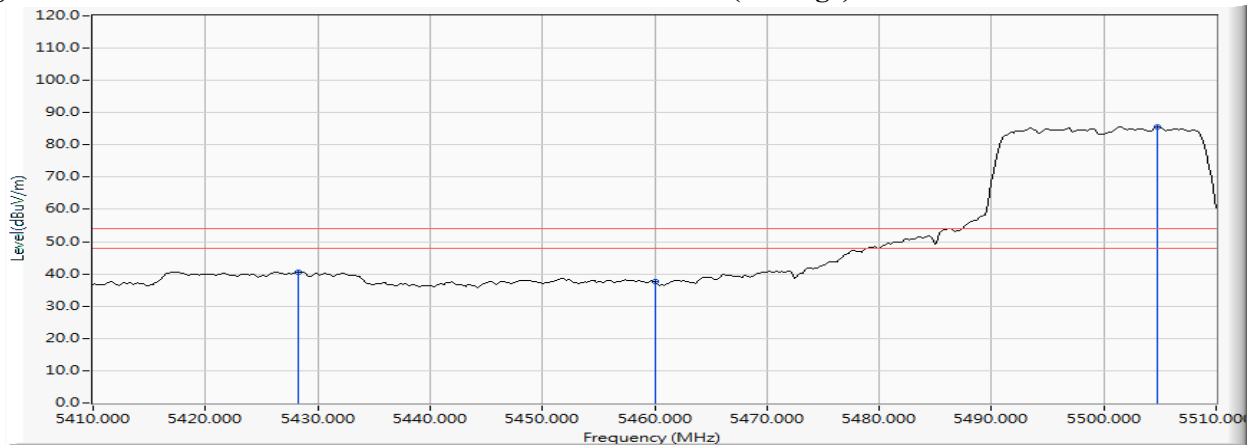
Note:

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)**

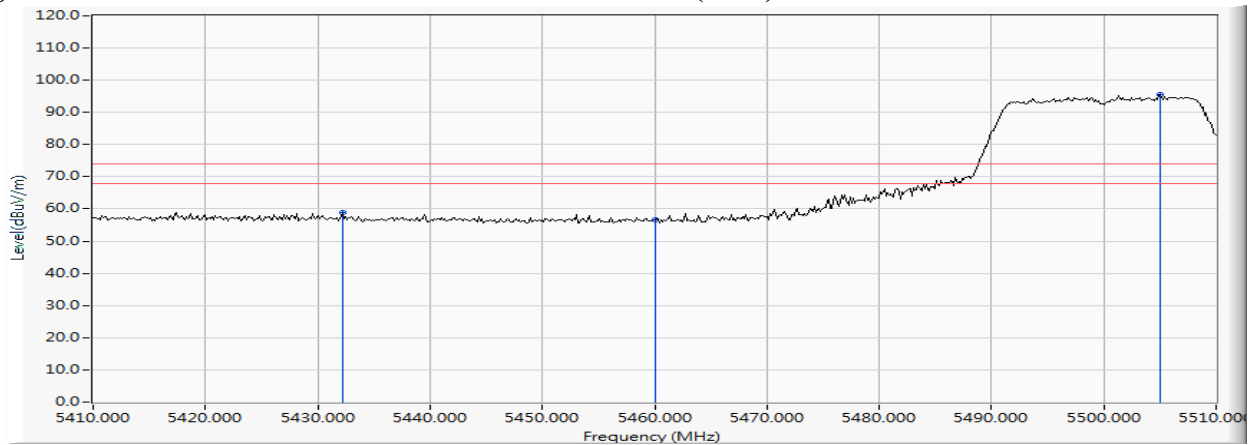
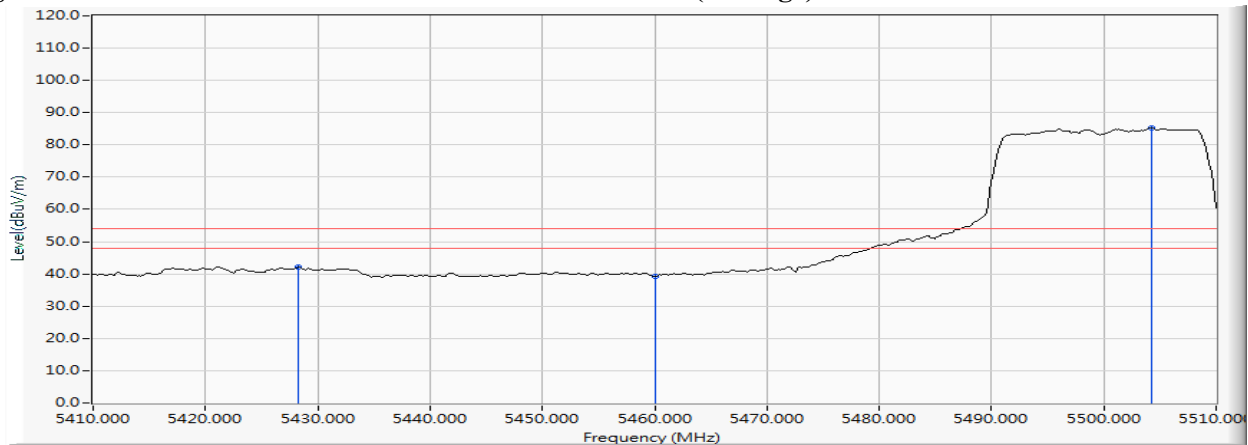
Note:

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)**

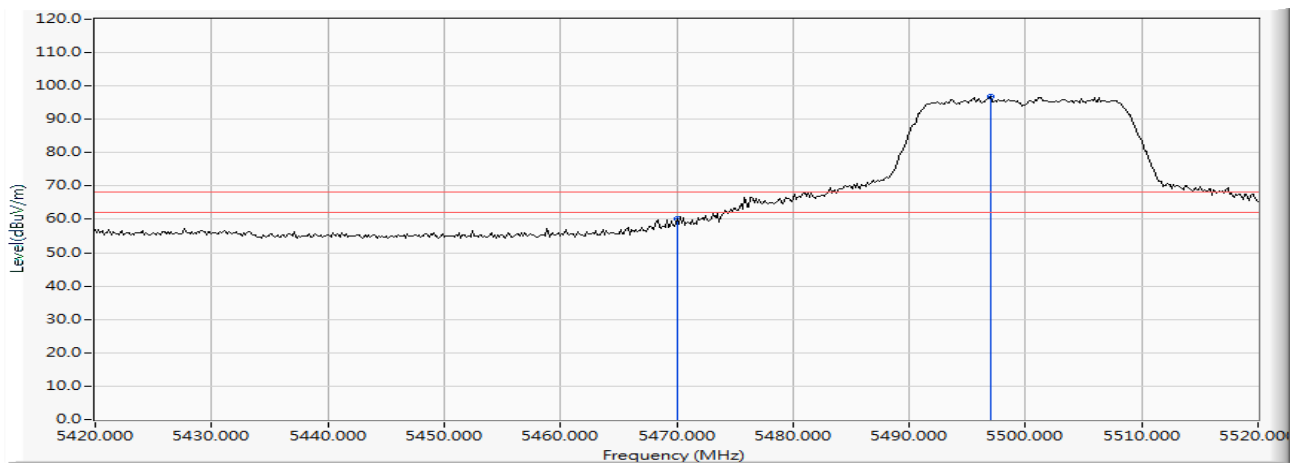
Note:

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.

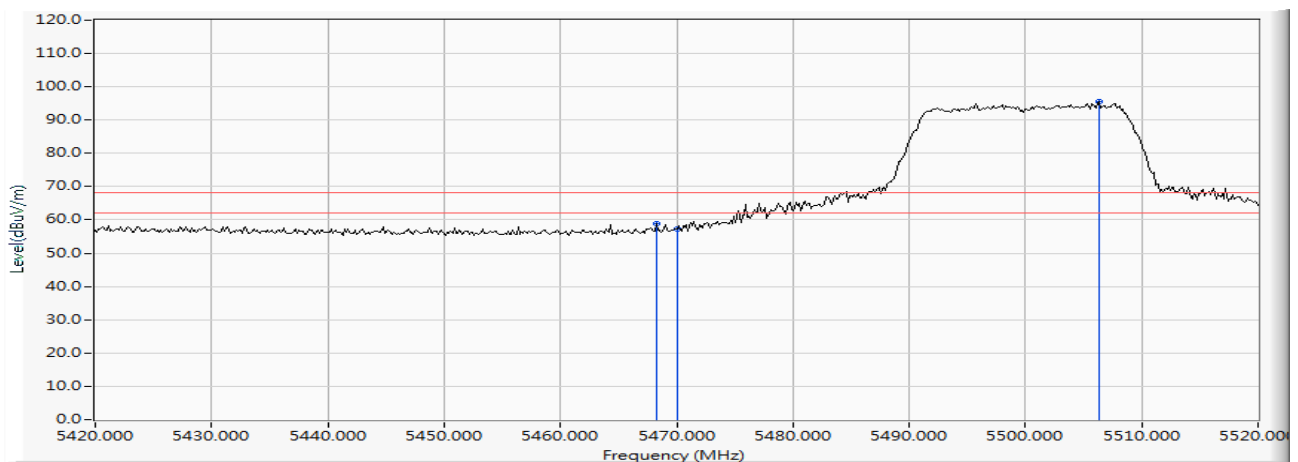
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)

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 | -- | -- | -- |



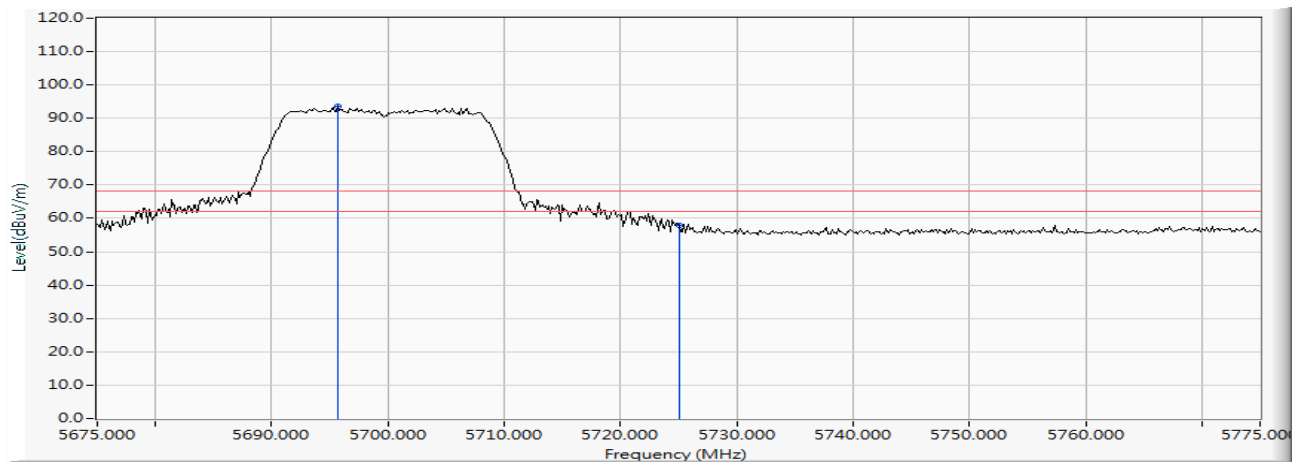
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Measure Level (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Result |
|----------|-----------------|---------------------|----------------------|------------------------|-------------|----------------|--------|
| Vertical | 5468.261 | 13.449 | 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 | -- | -- | -- |



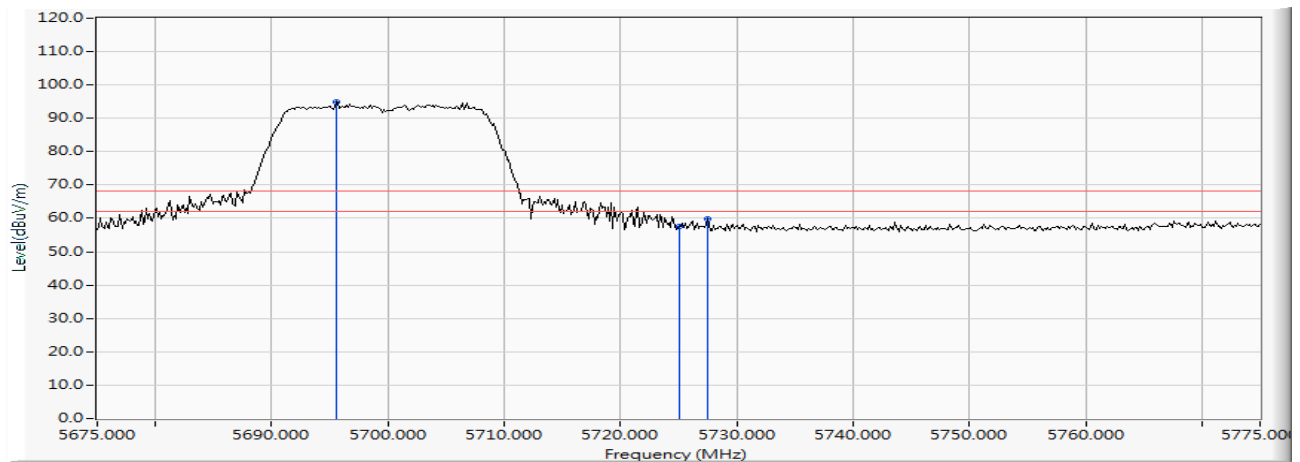
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5700MHz)

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 |



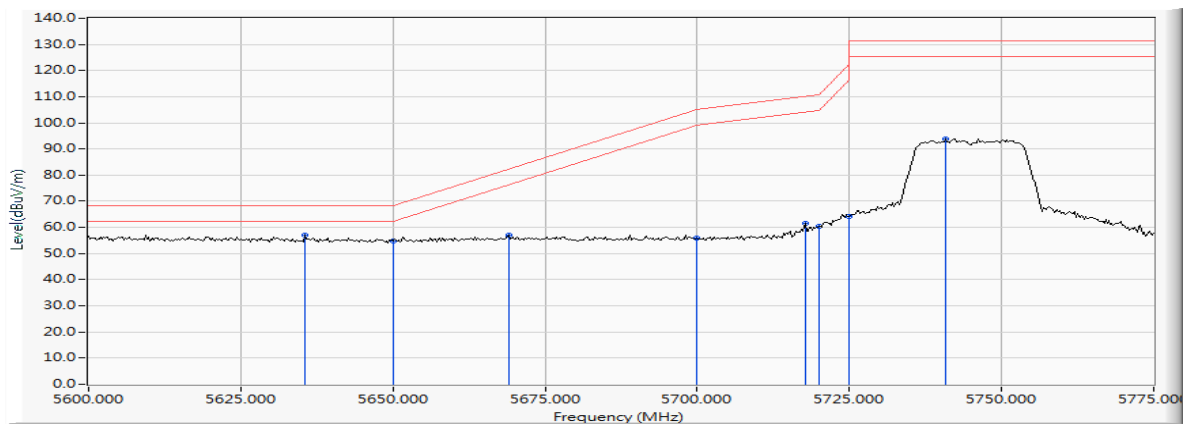
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Measure Level (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Result |
|----------|-----------------|---------------------|----------------------|------------------------|-------------|----------------|--------|
| Vertical | 5695.580 | 13.011 | 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 |



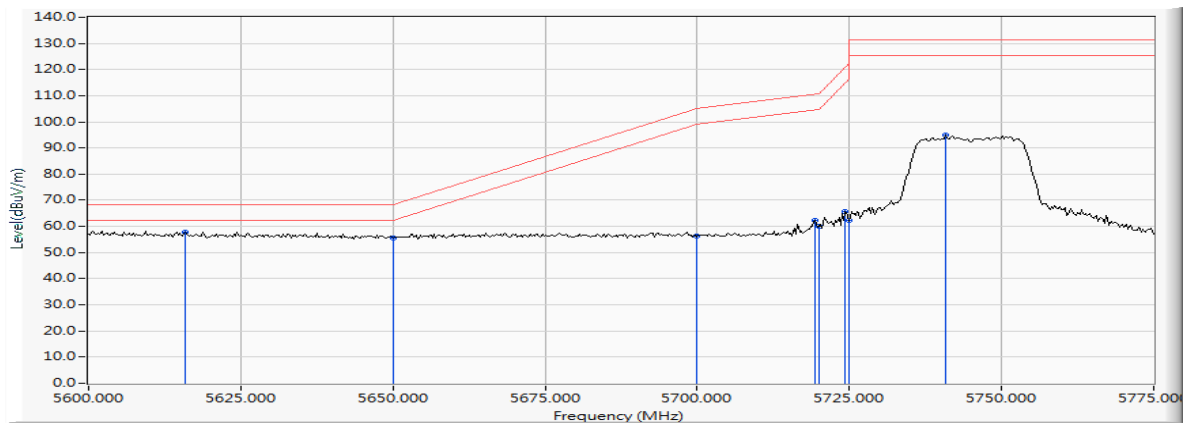
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5745MHz)

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 |



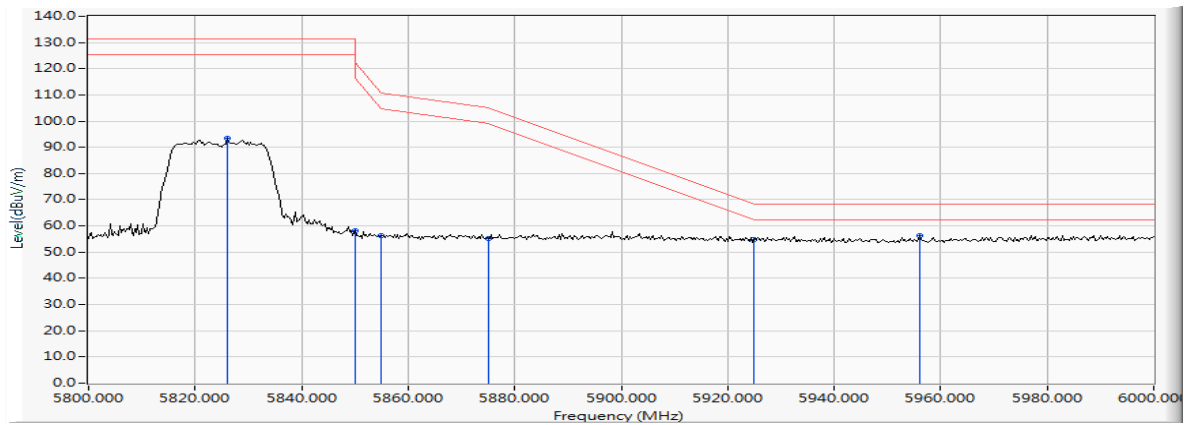
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Measure Level (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Result |
|----------|-----------------|---------------------|----------------------|------------------------|-------------|----------------|--------|
| Vertical | 5615.978 | 13.037 | 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 |



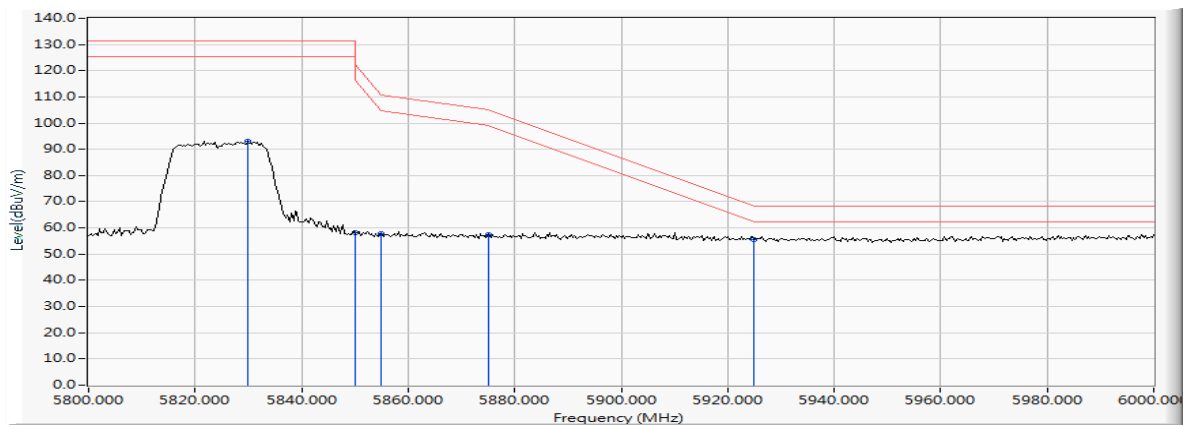
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5825MHz)

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 | -- | -- | -- |



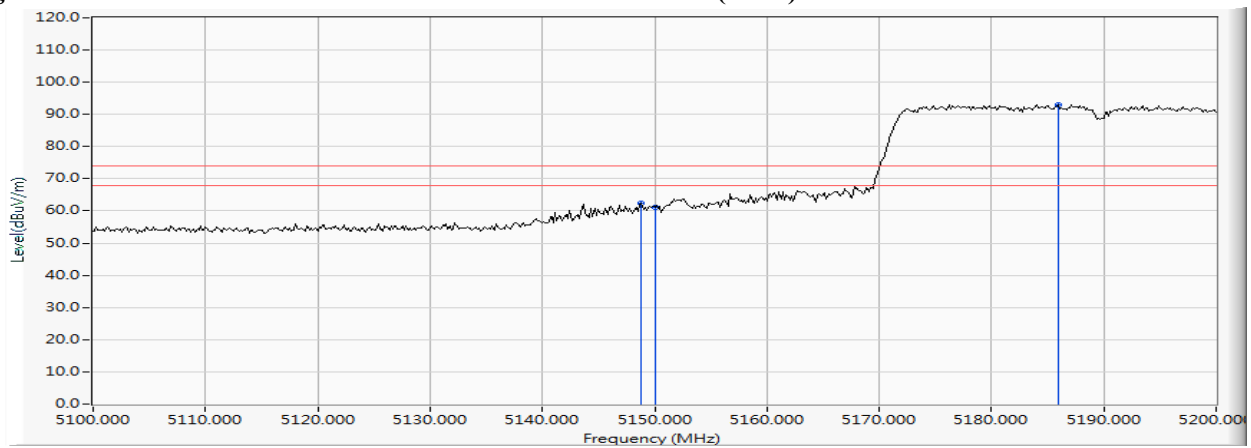
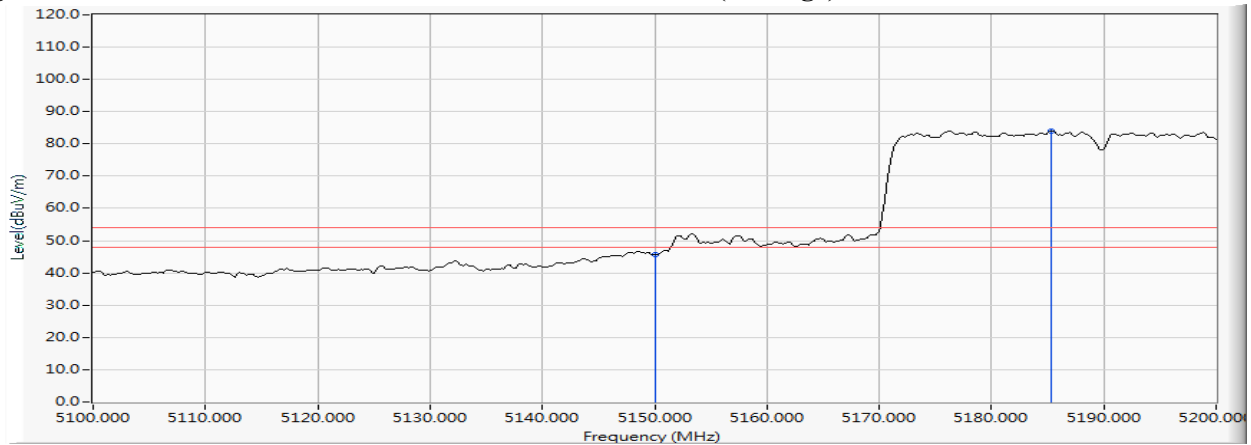
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5829.855 | 12.732 | 80.422 | 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)


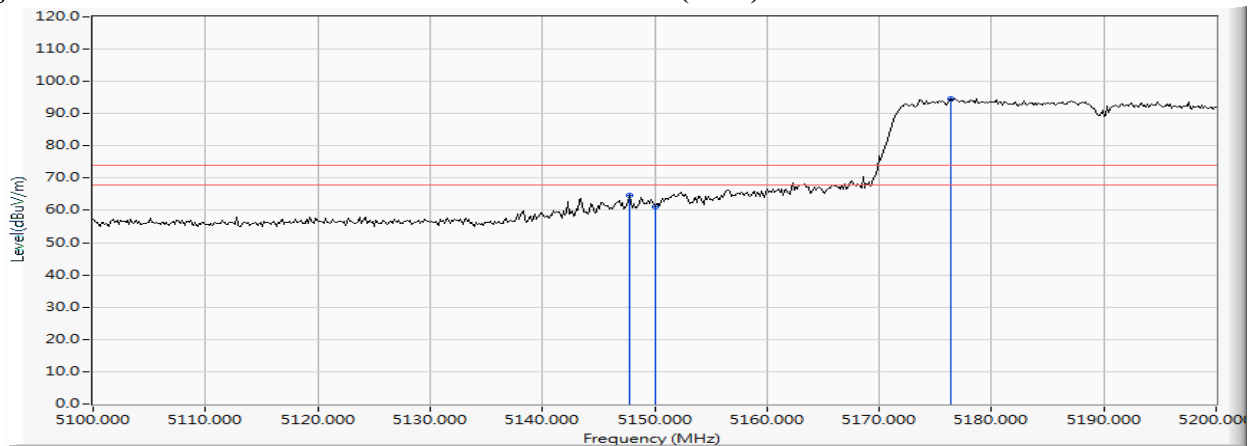
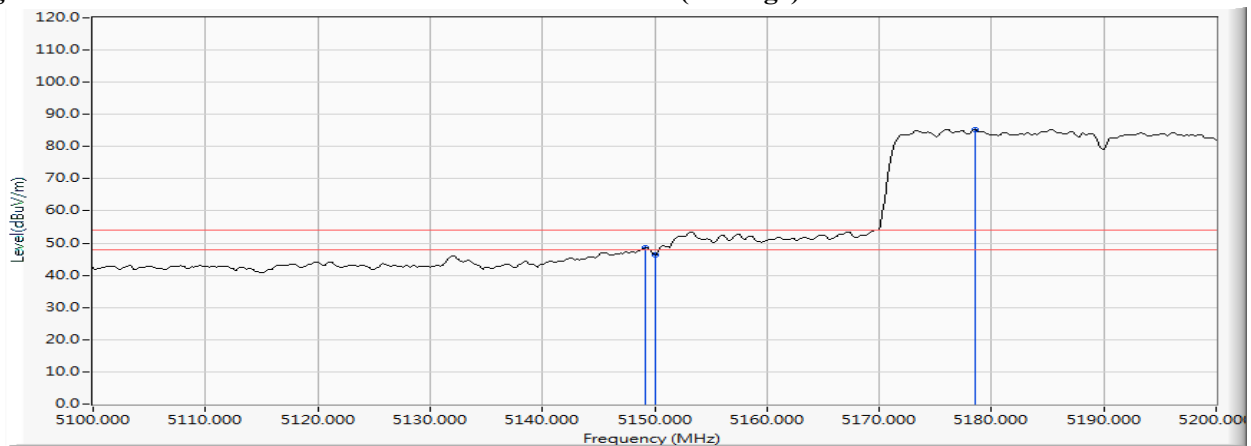
Note:

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 (dB μ V) | Emission Level (dB μ V/m) | Peak Limit (dB μ V/m) | Average Limit (dB μ V/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)


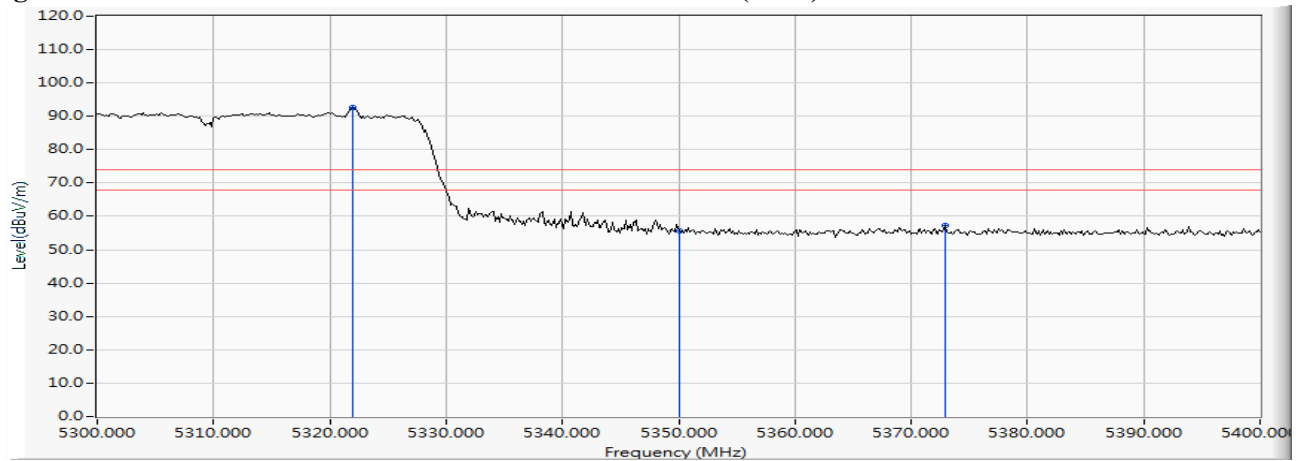
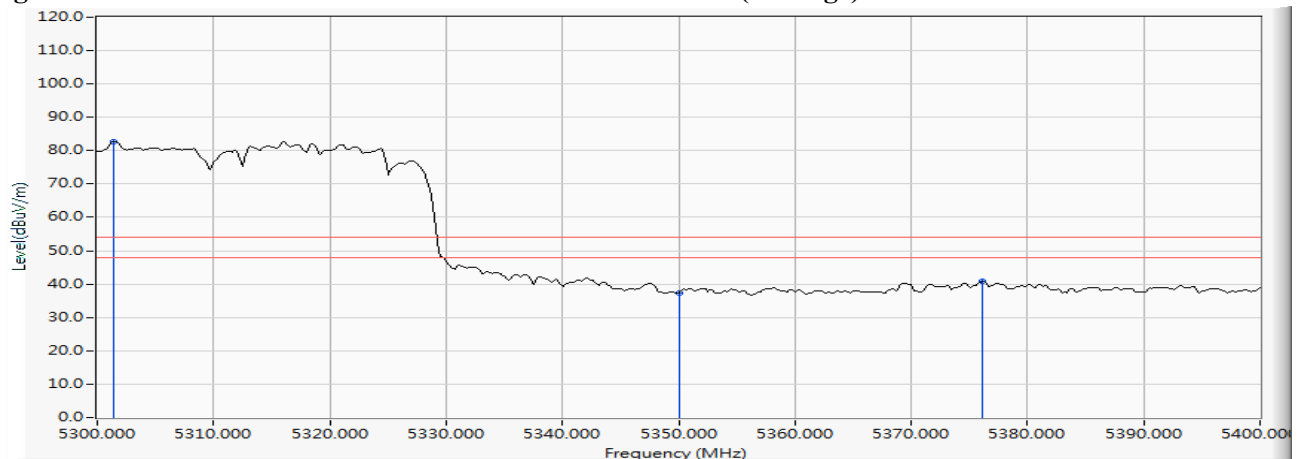
Note:

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 |

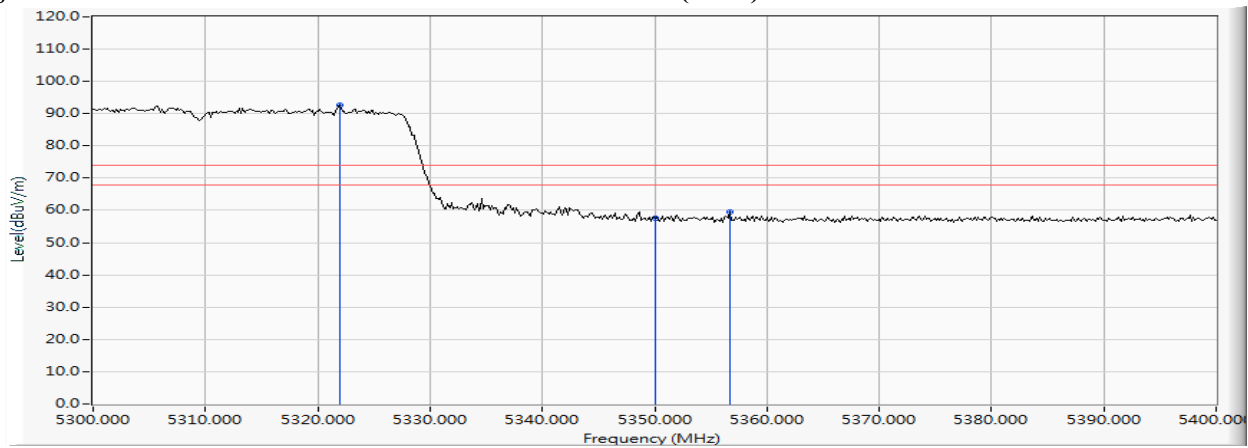
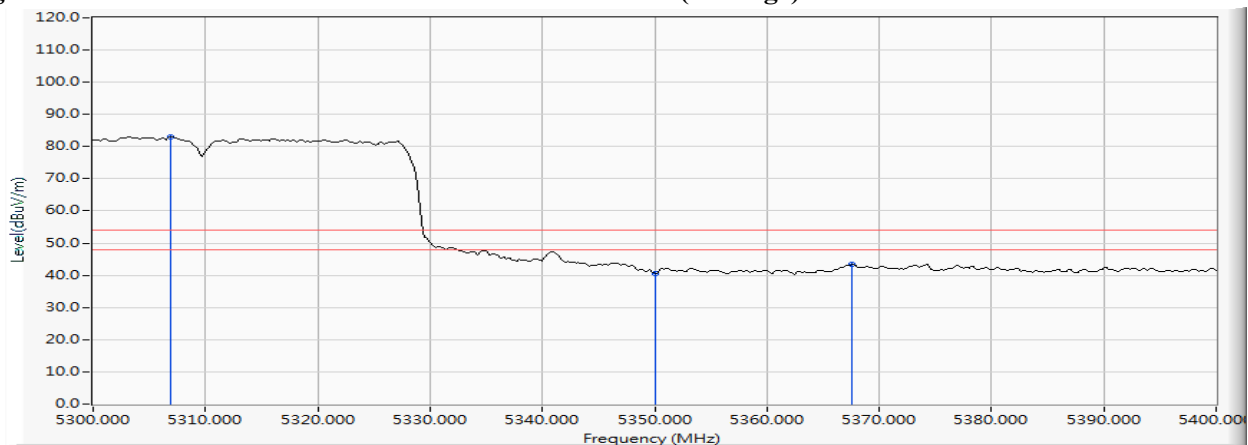
Figure Channel 62: Horizontal (Peak)**Figure Channel 62: Horizontal (Average)****Note:**

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)**

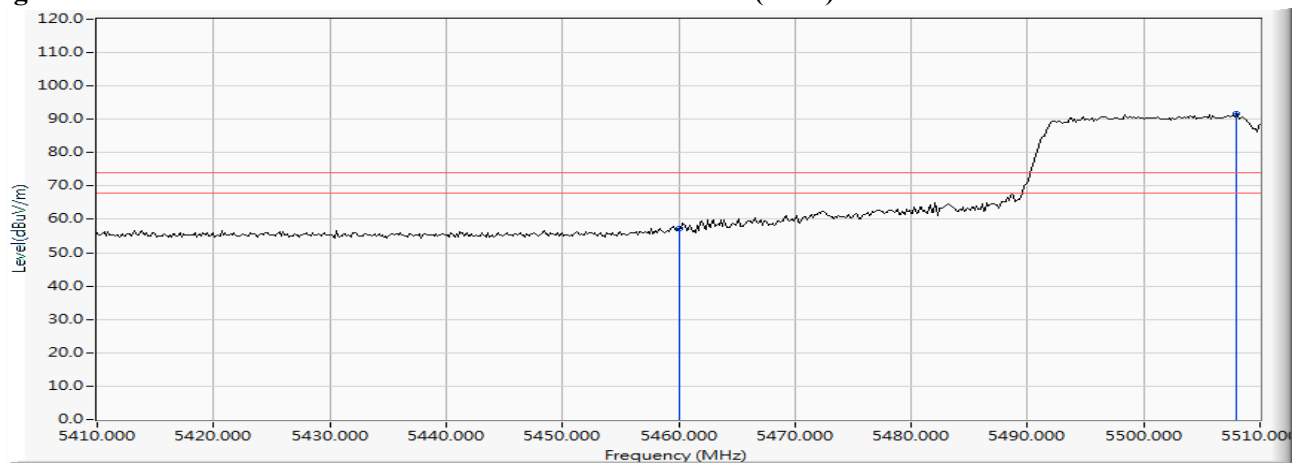
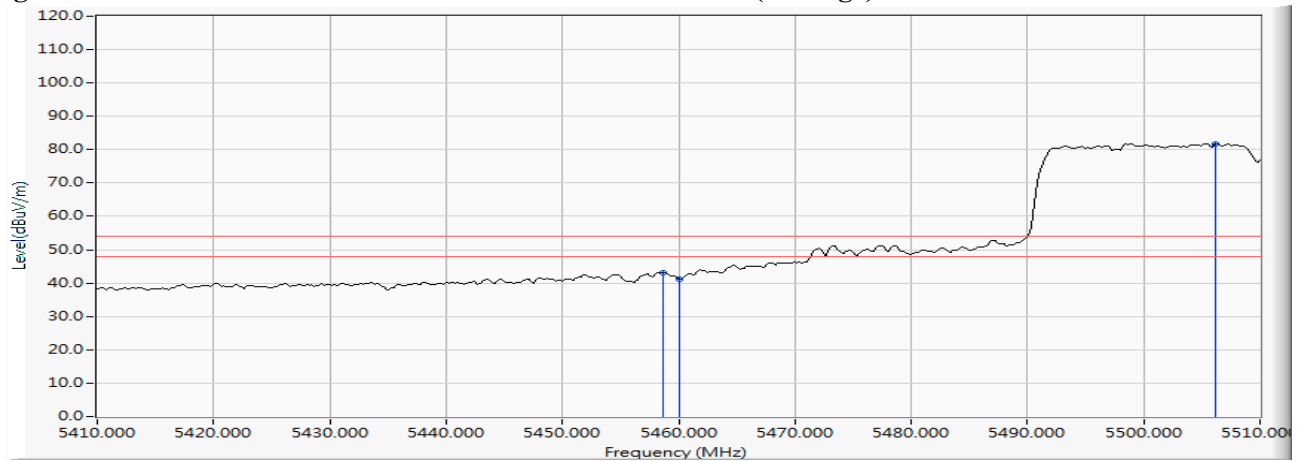
Note:

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)**

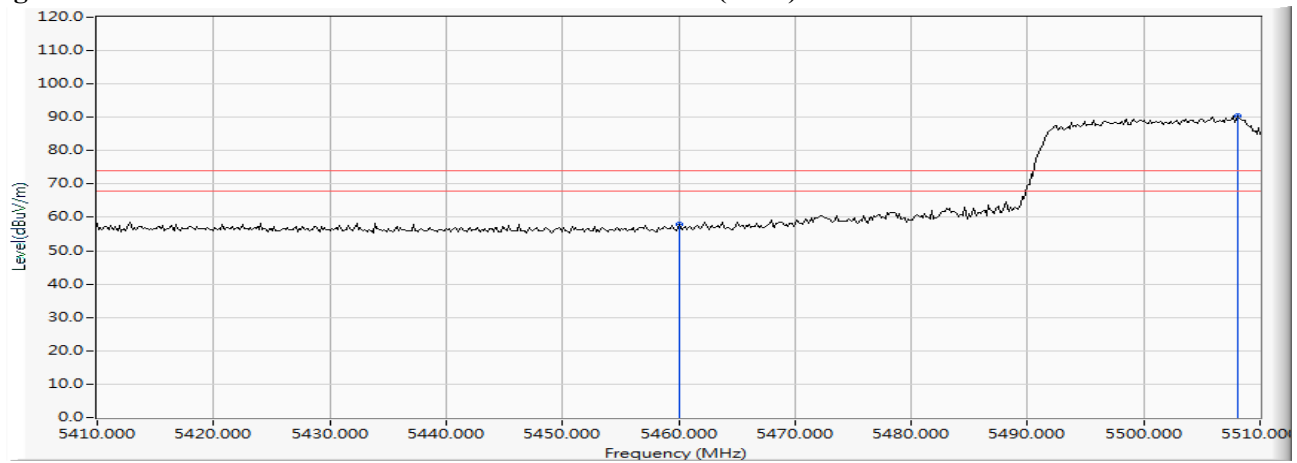
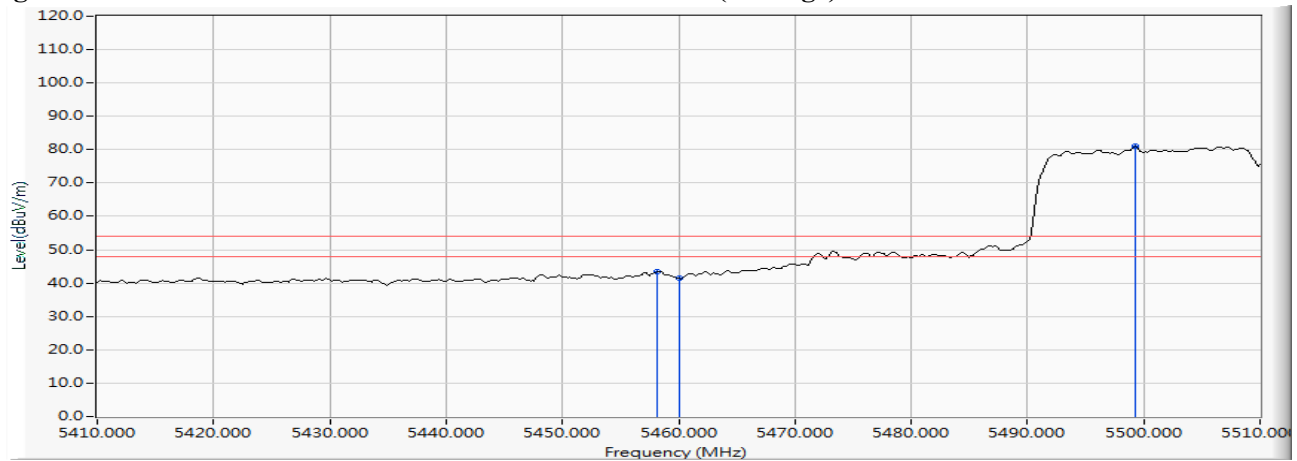
Note:

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 (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/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)**

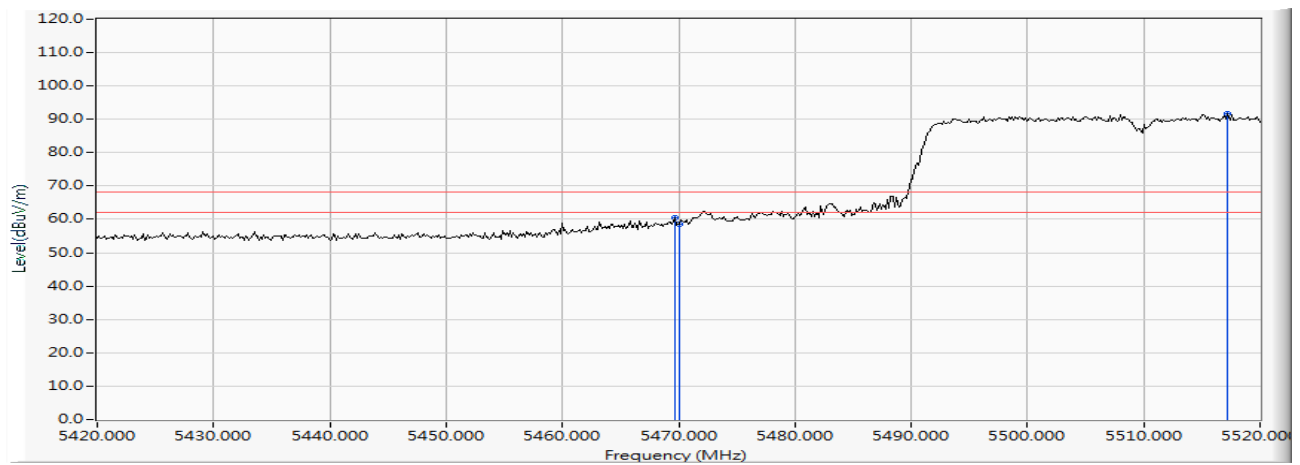
Note:

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.

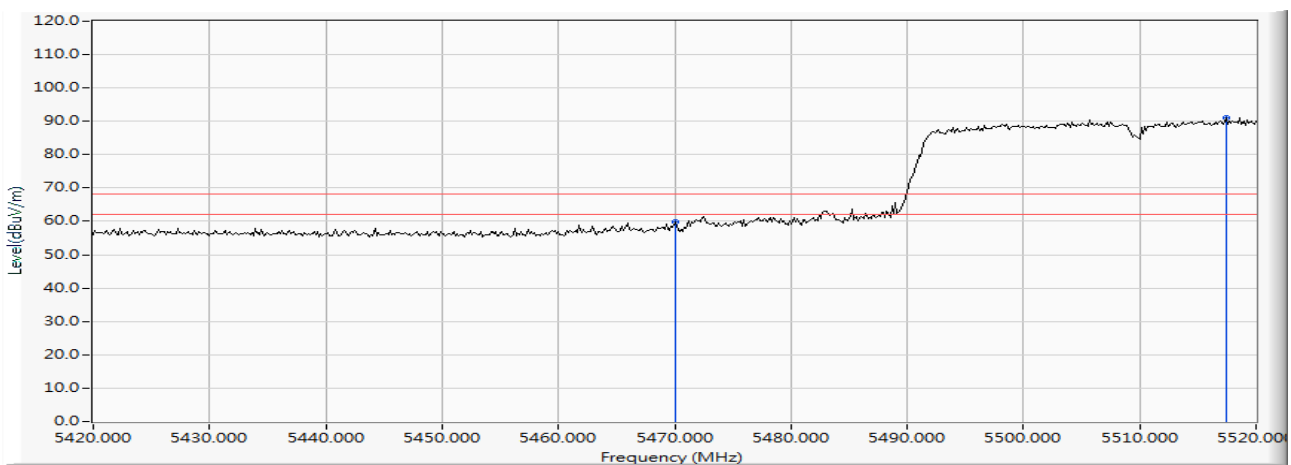
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)

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 | -- | -- | -- |



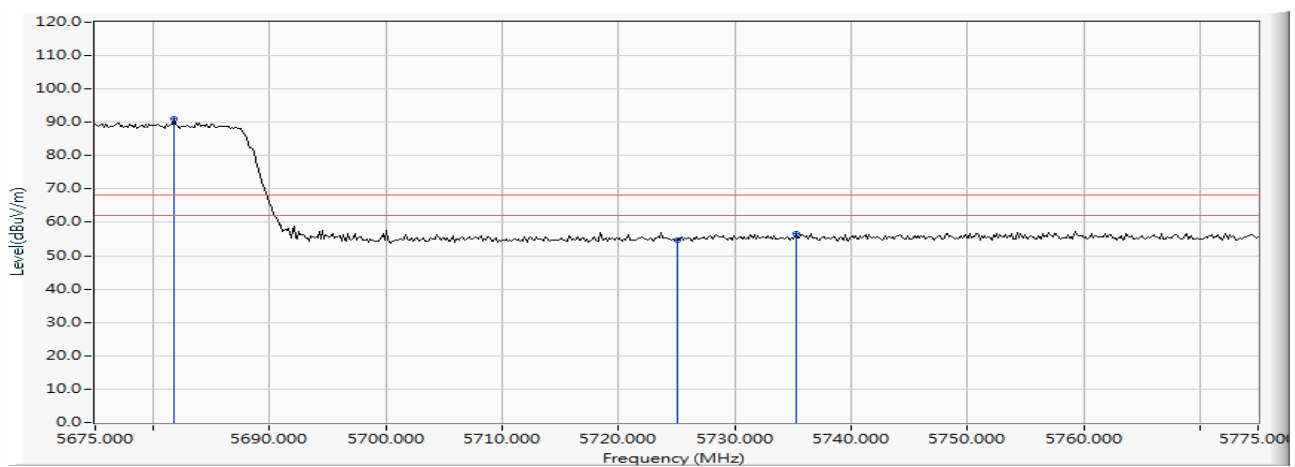
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5470.000 | 13.462 | 46.223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



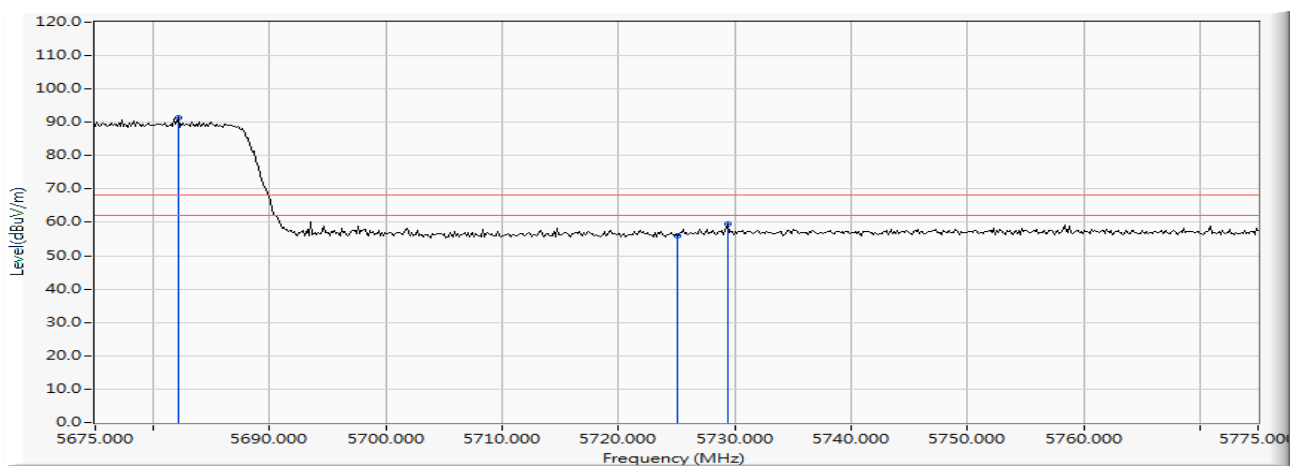
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5670MHz)

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 |



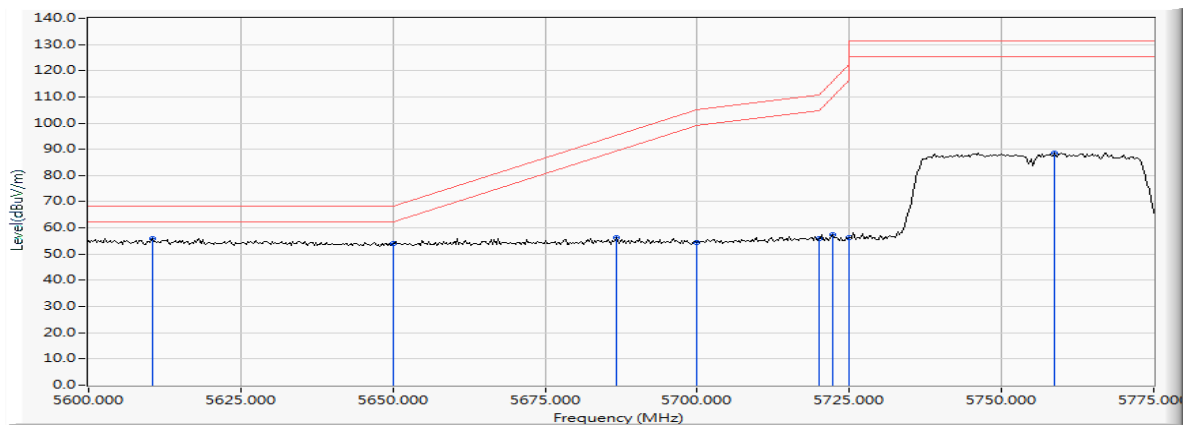
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dB μ V) | Measure Level (dB μ V/m) | Margin (dB) | Limit (dB μ V/m) | Result |
|----------|-----------------|---------------------|----------------------------|------------------------------|-------------|----------------------|--------|
| Vertical | 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 |



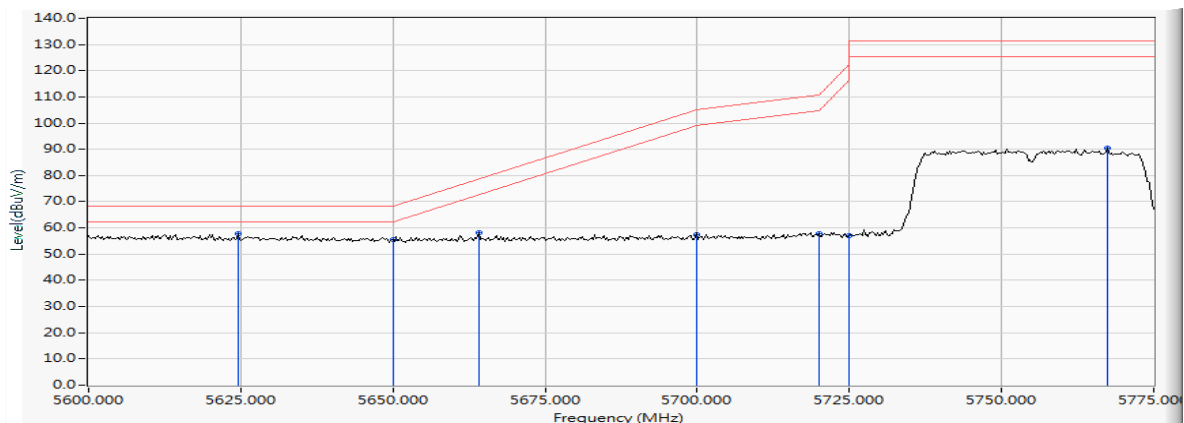
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5755MHz)

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 |



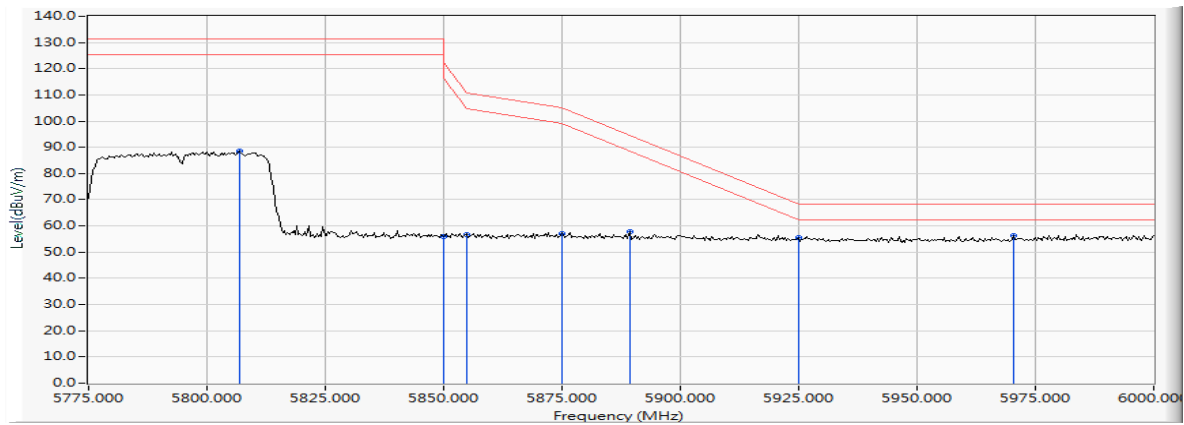
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Measure Level (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Result |
|----------|-----------------|---------------------|----------------------|------------------------|-------------|----------------|--------|
| Vertical | 5624.602 | 13.035 | 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 |



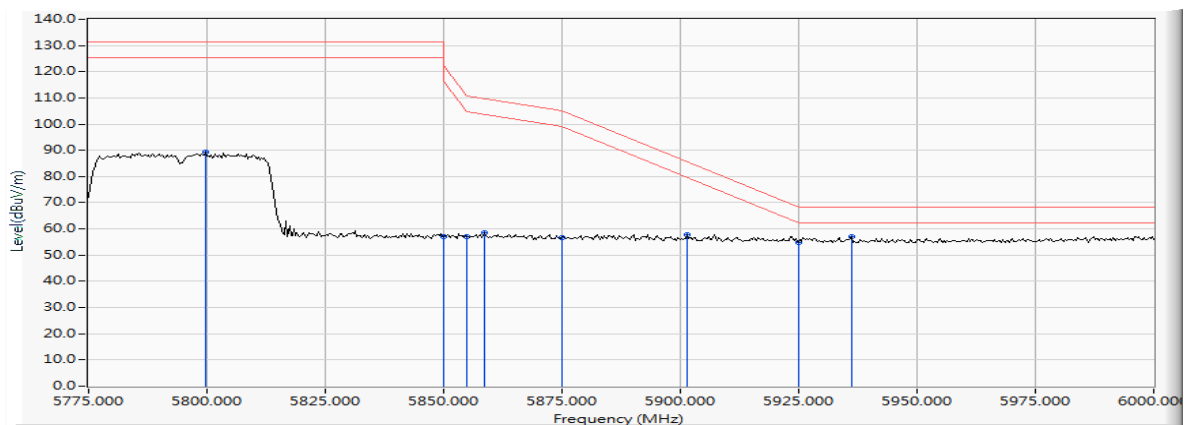
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5795MHz)

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 | -- | -- | -- |



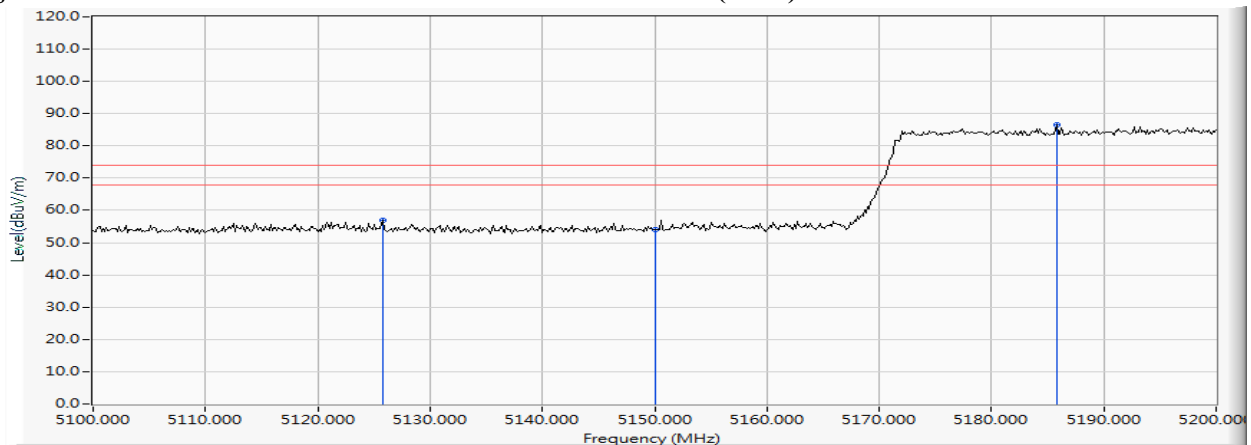
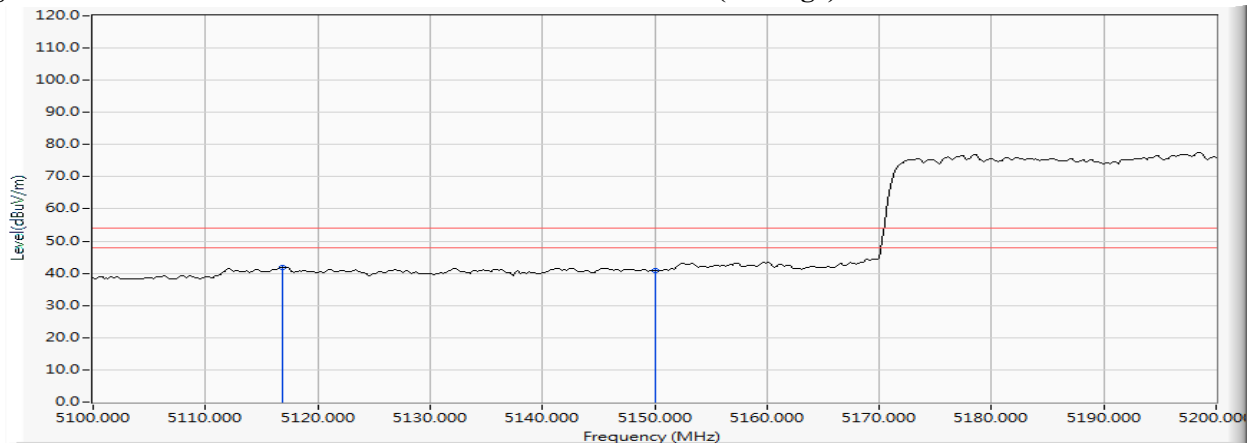
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Measure Level (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Result |
|----------|-----------------|---------------------|----------------------|------------------------|-------------|----------------|--------|
| Vertical | 5799.783 | 12.684 | 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 | -- | -- | -- |

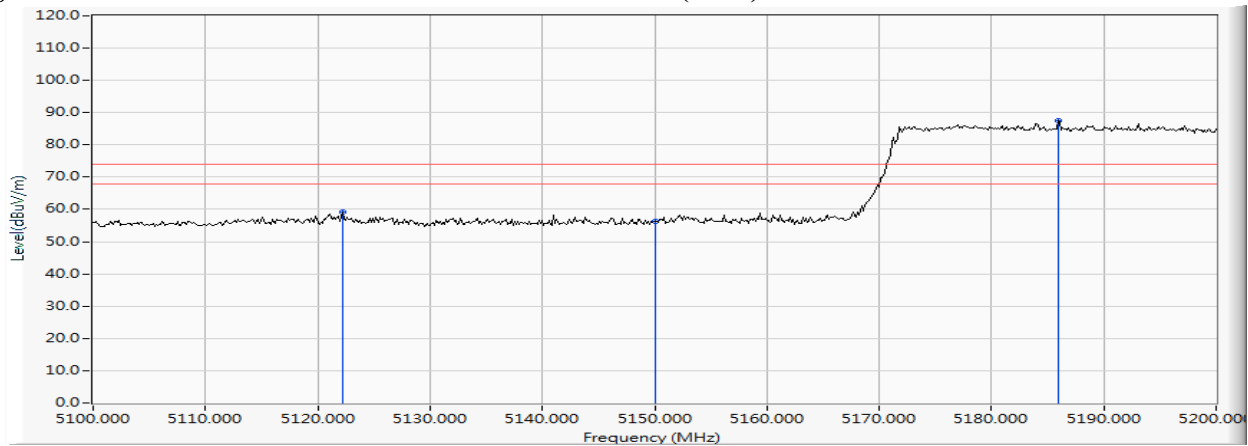
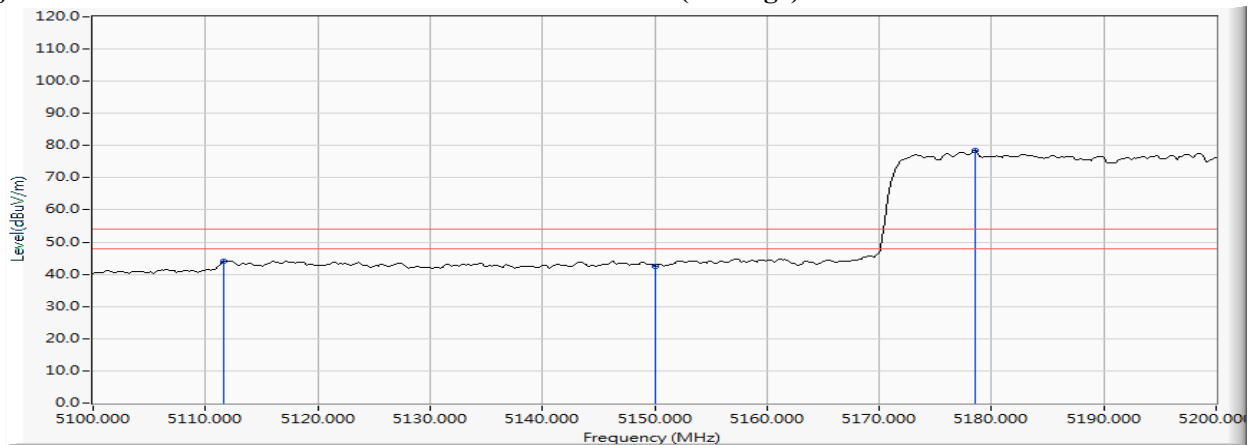
Figure Channel 42: Horizontal (Peak)**Figure Channel 42: Horizontal (Average)****Note:**

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)**

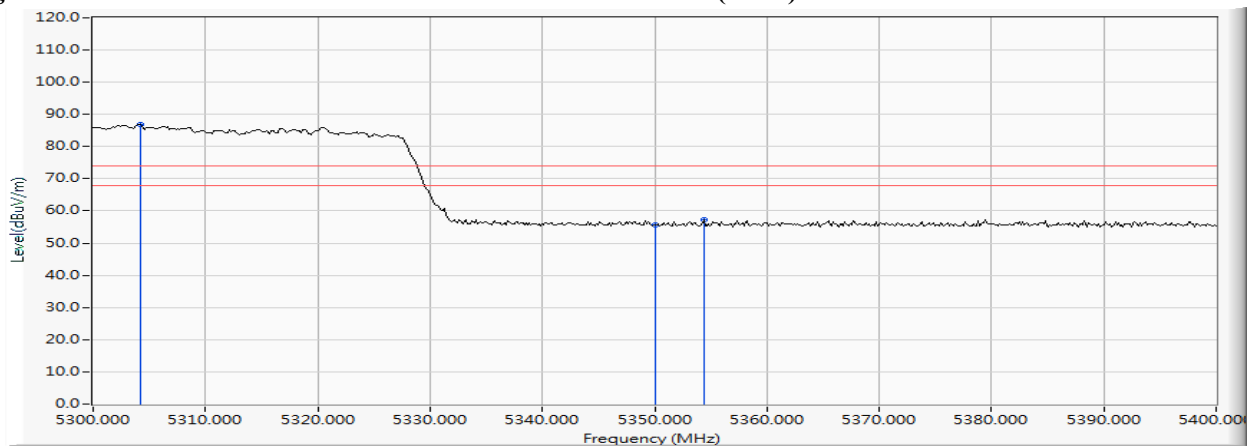
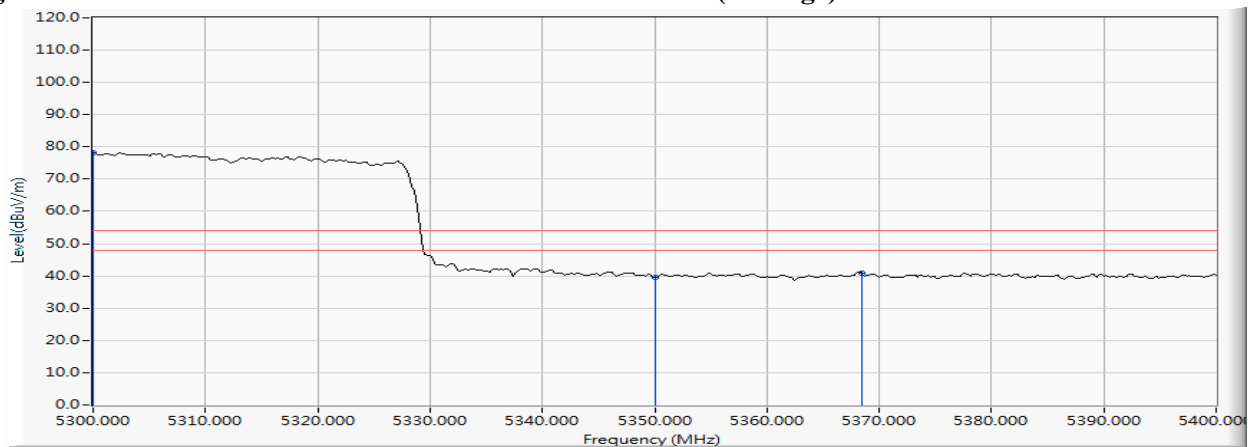
Note:

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)


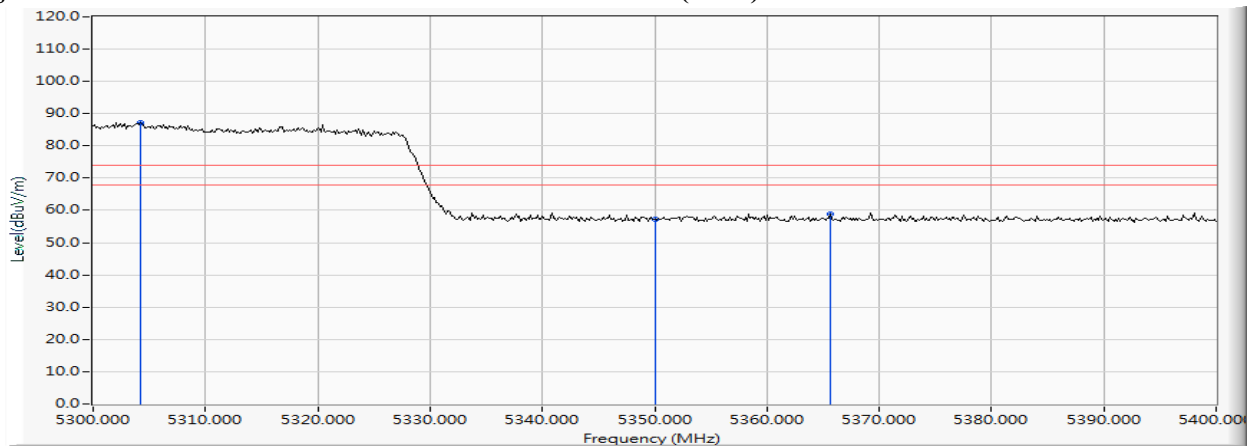
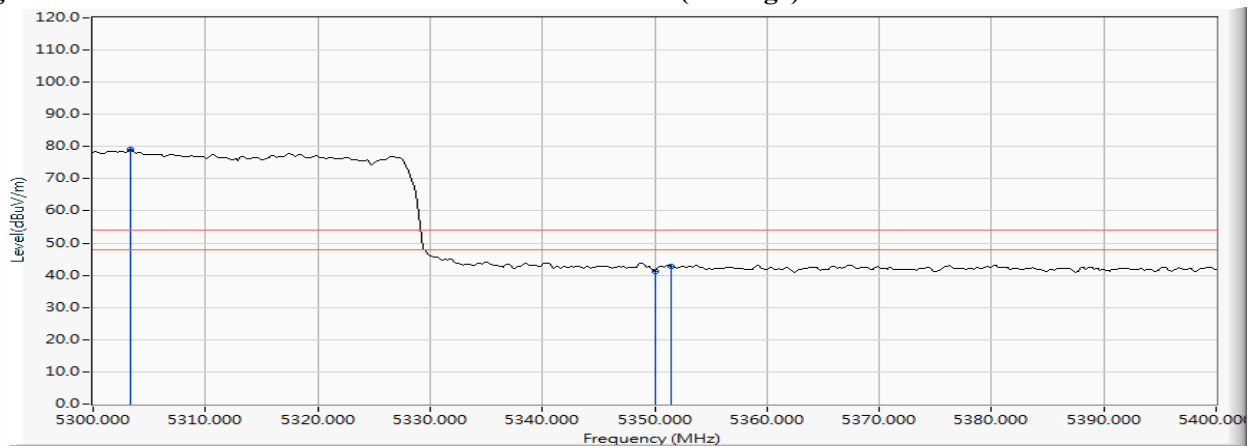
Note:

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 |

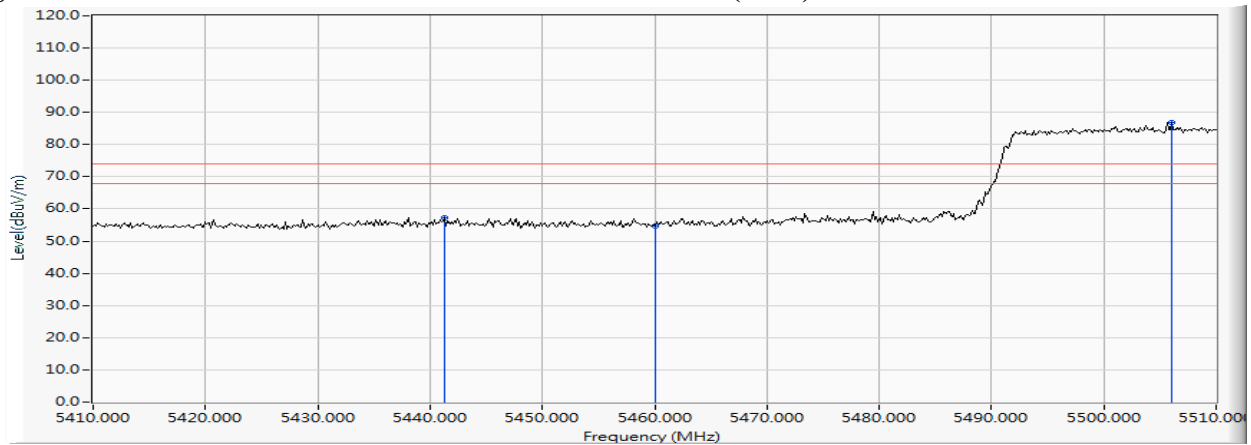
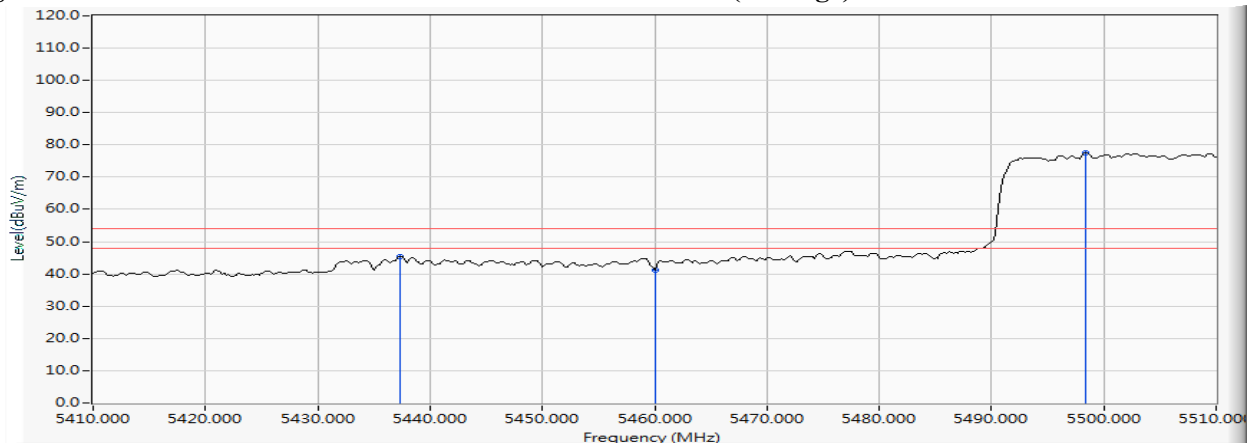
Figure Channel 58: Vertical (Peak)**Figure Channel 58: Vertical (Average)****Note:**

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)


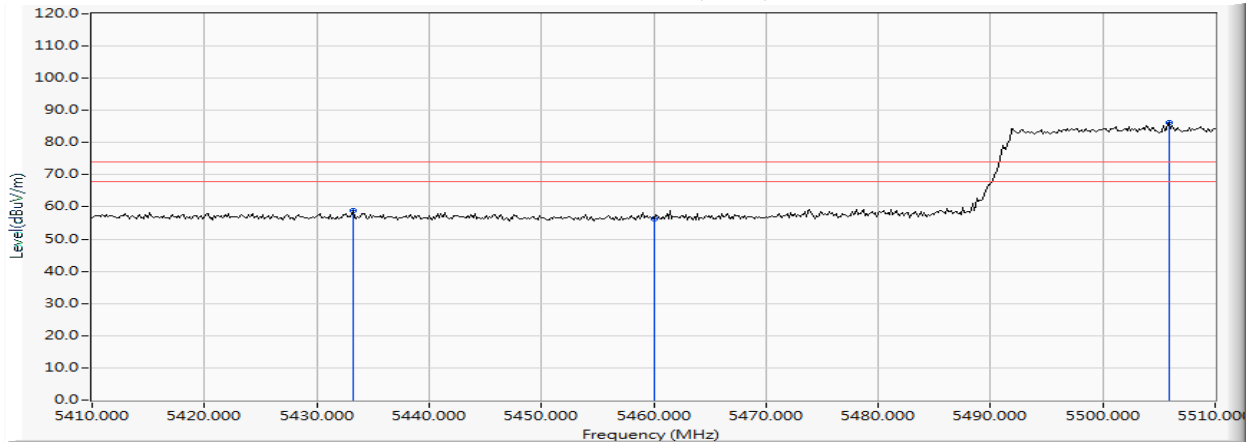
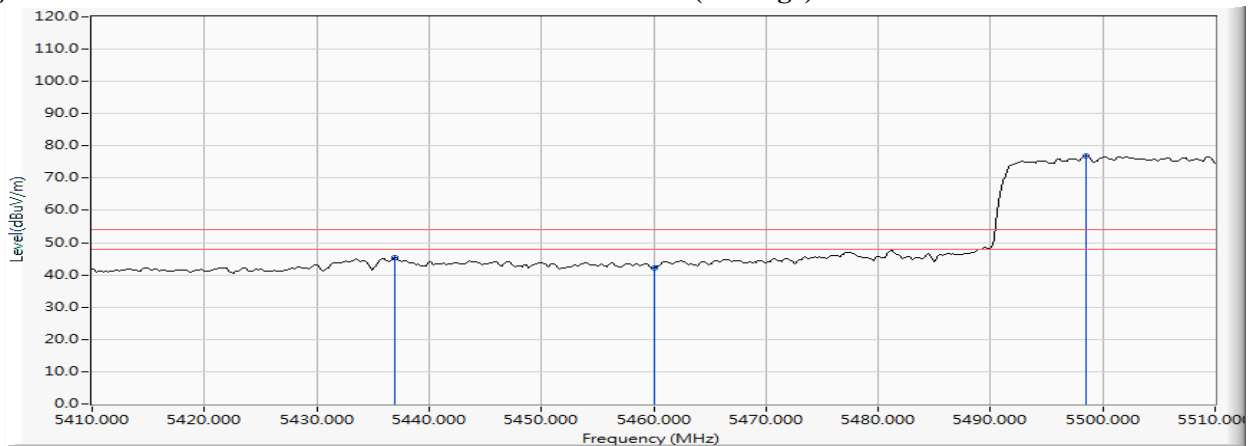
Note:

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)**

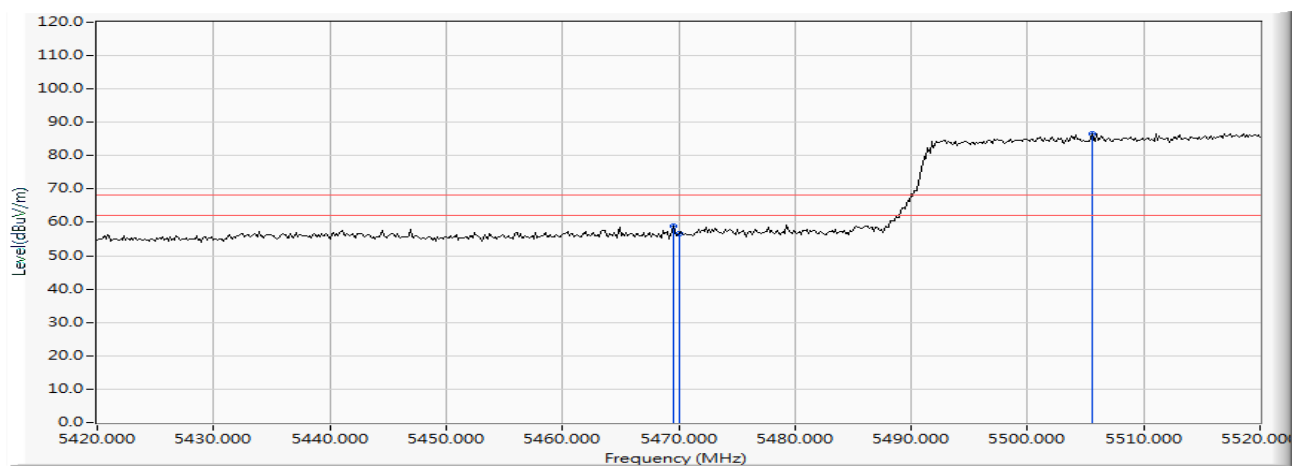
Note:

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.

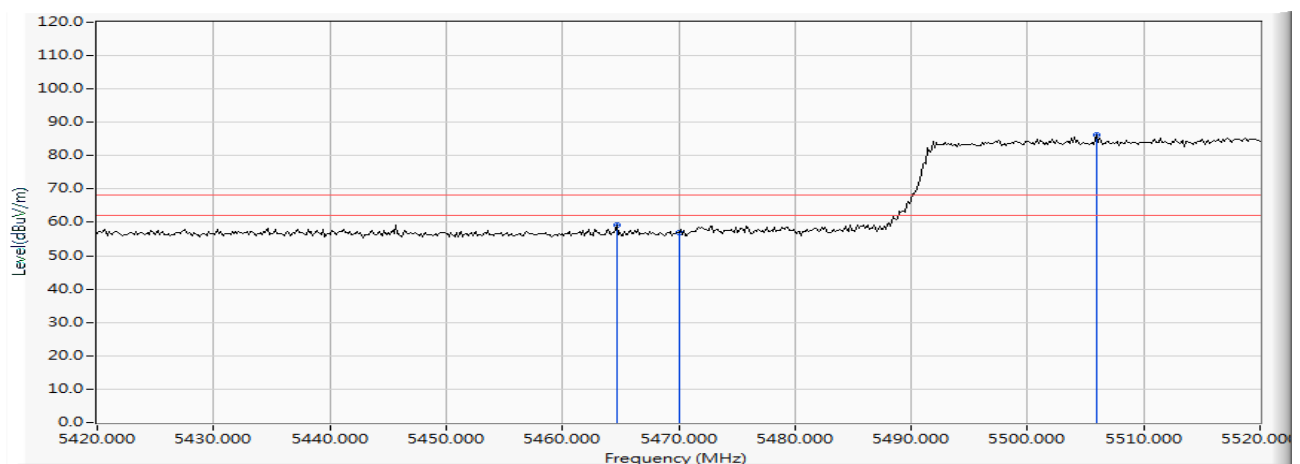
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

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 | -- | -- | -- |



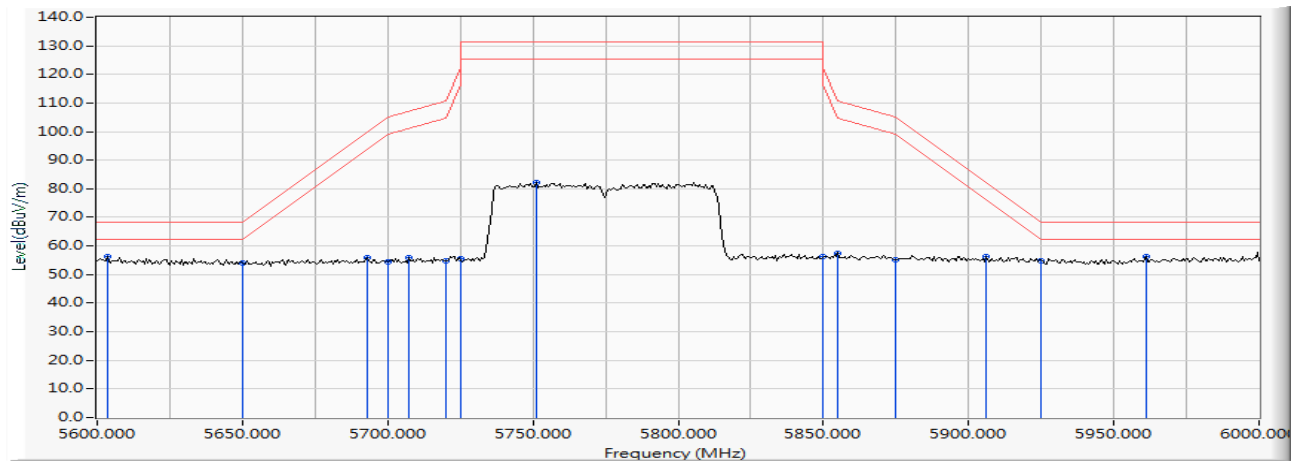
| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5464.638 | 13.423 | 45.785 | 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 | -- | -- | -- |



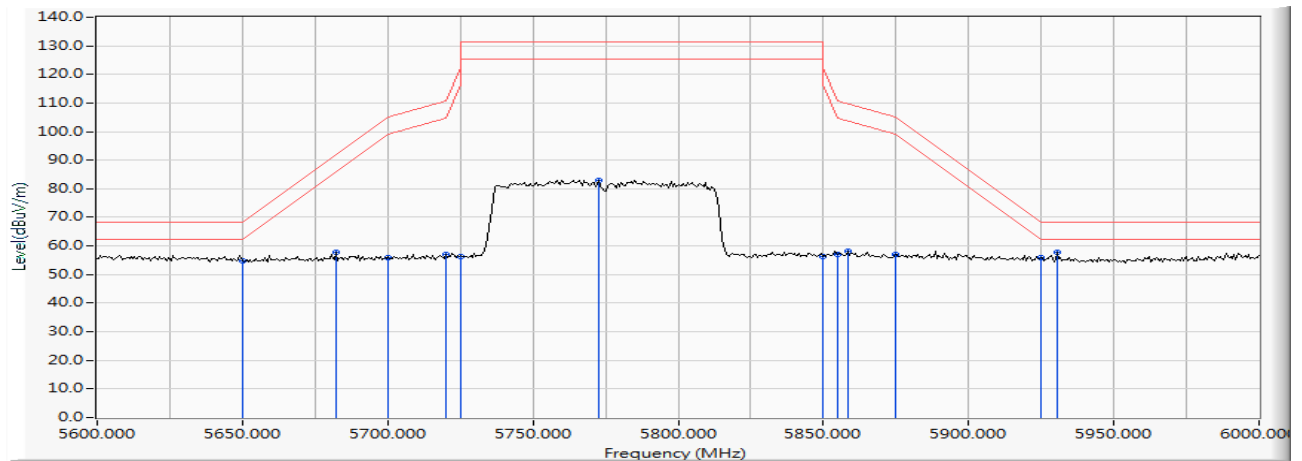
Product : STREAMING SOUNDBAR
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/12/05
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps) (5775MHz)

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 | -- | -- | -- |

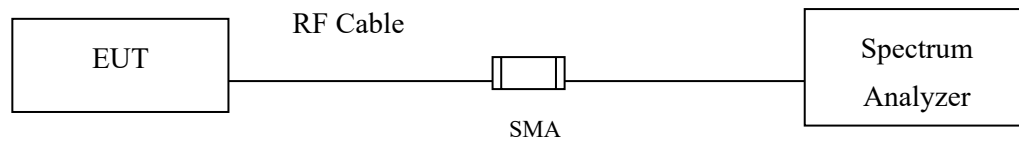


| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dB μ V) | Measure Level (dB μ V/m) | Margin (dB) | Limit (dB μ V/m) | Result |
|----------|-----------------|---------------------|----------------------------|------------------------------|-------------|----------------------|--------|
| Vertical | 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:

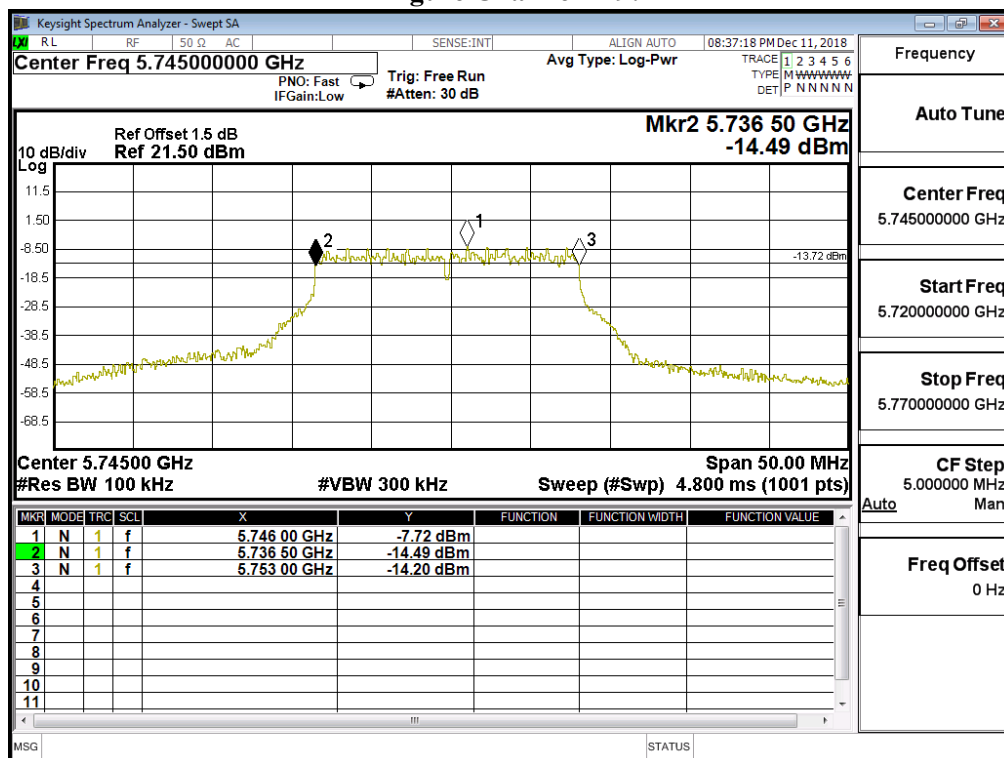


Figure Channel 157:

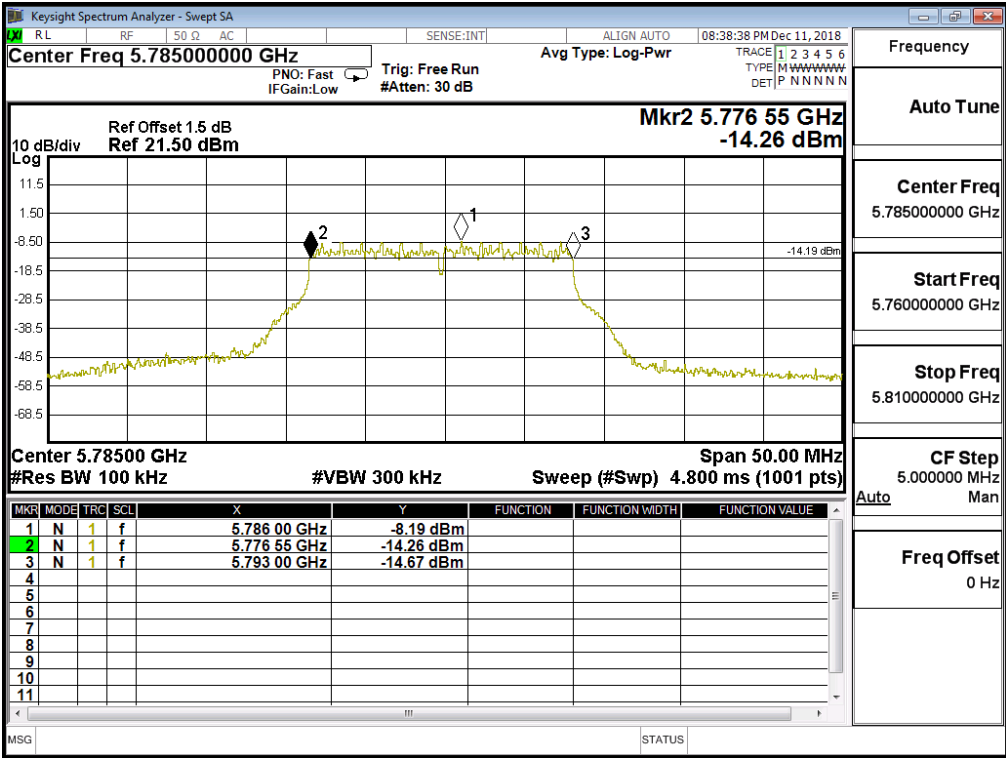
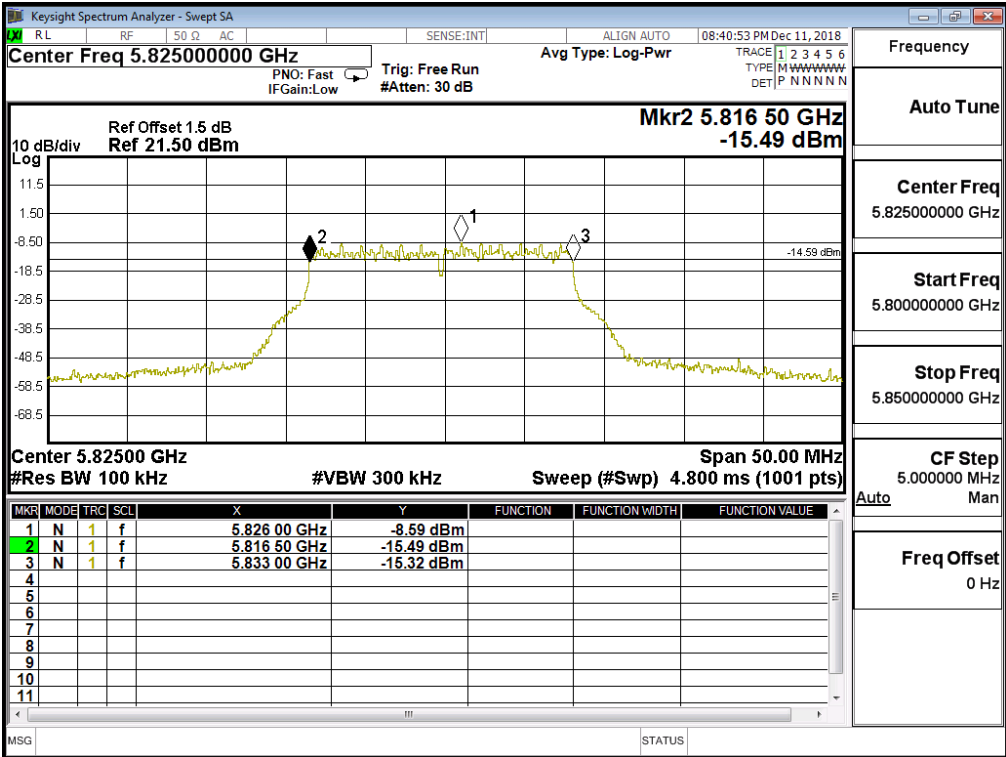


Figure Channel 165:



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:

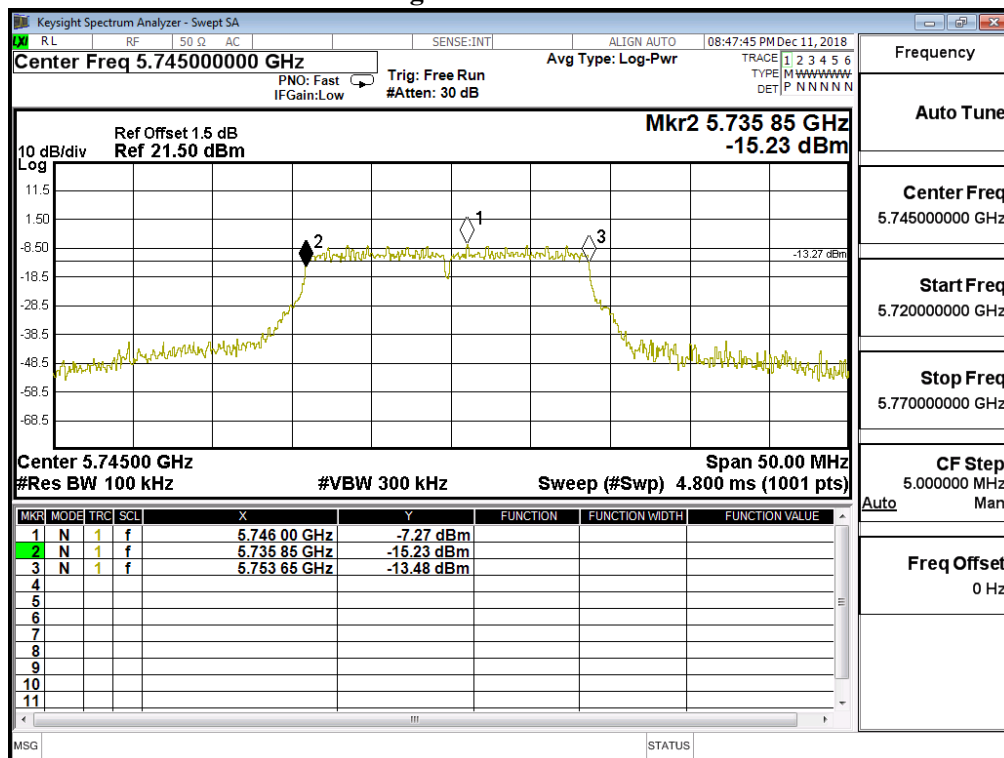


Figure Channel 157:

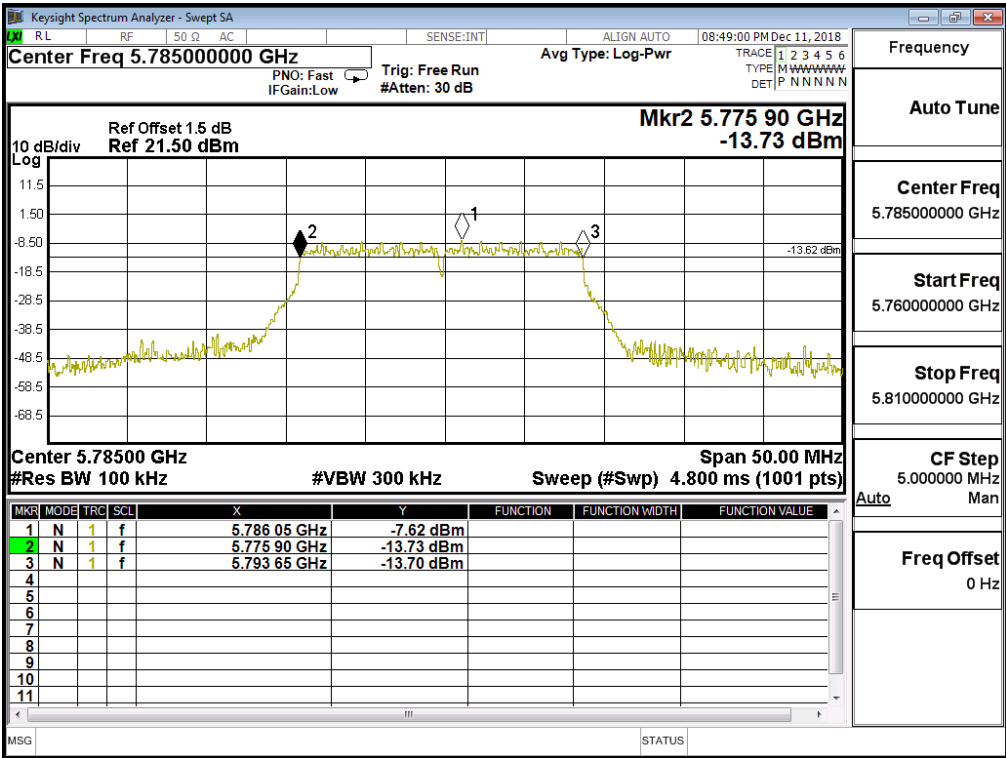
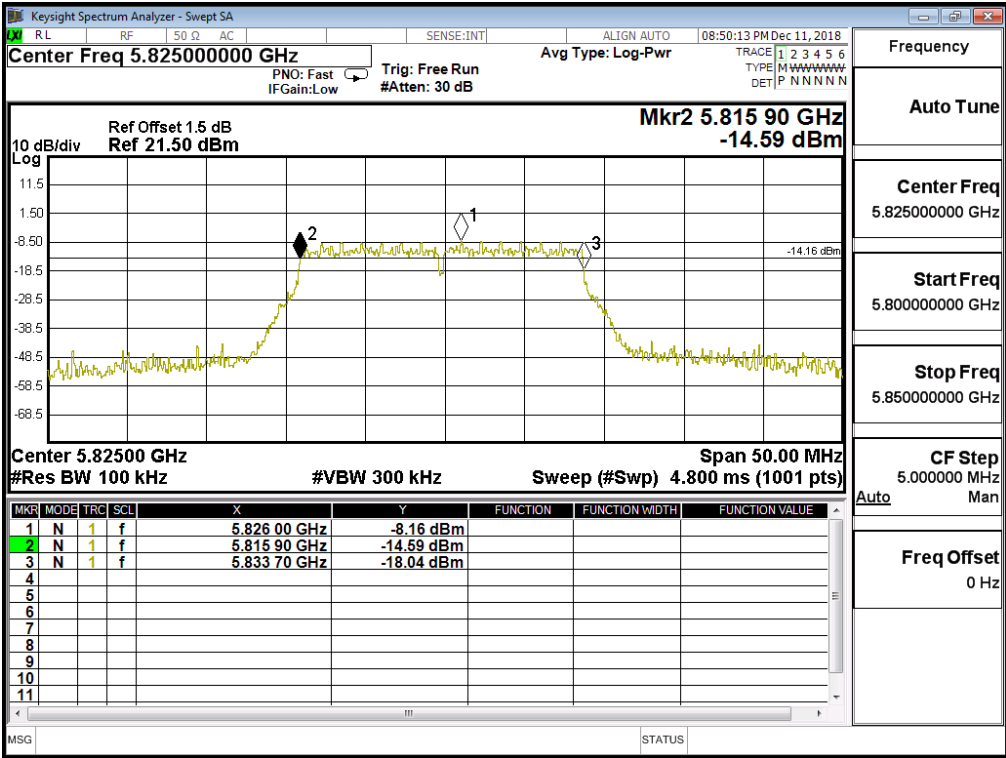


Figure Channel 165:



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:

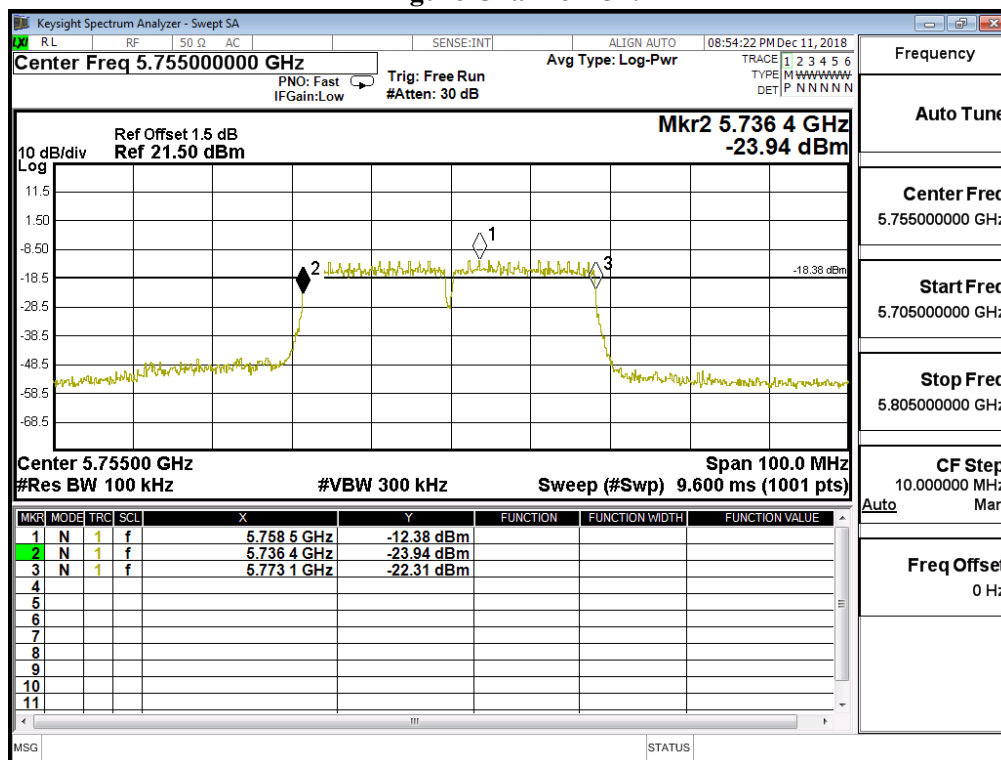
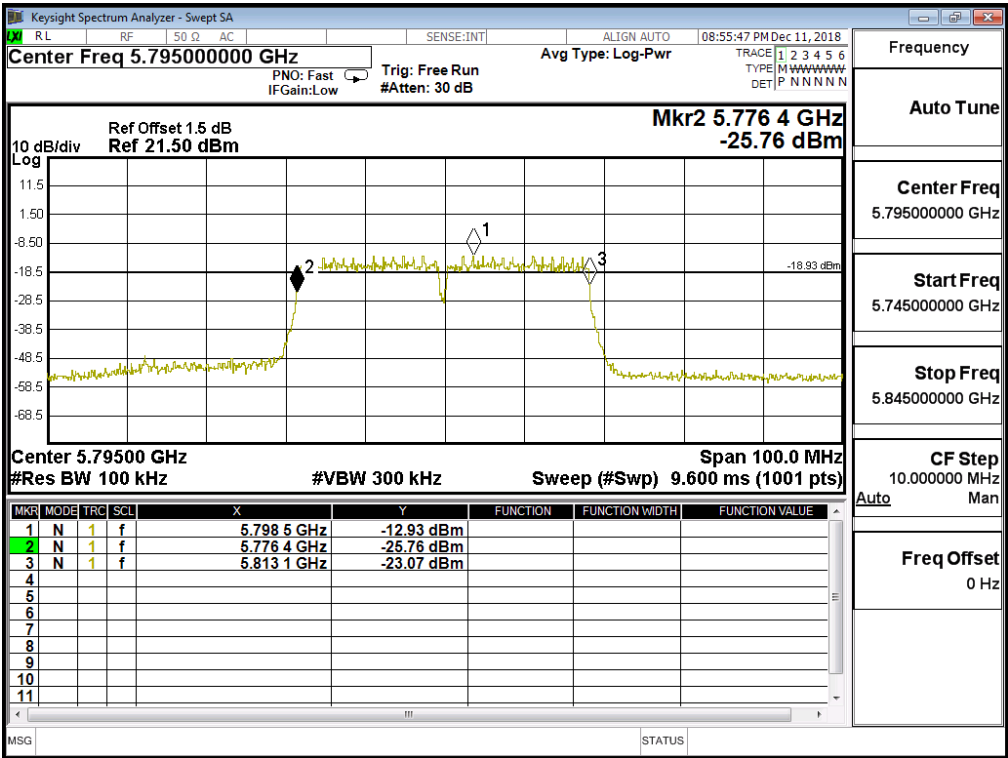


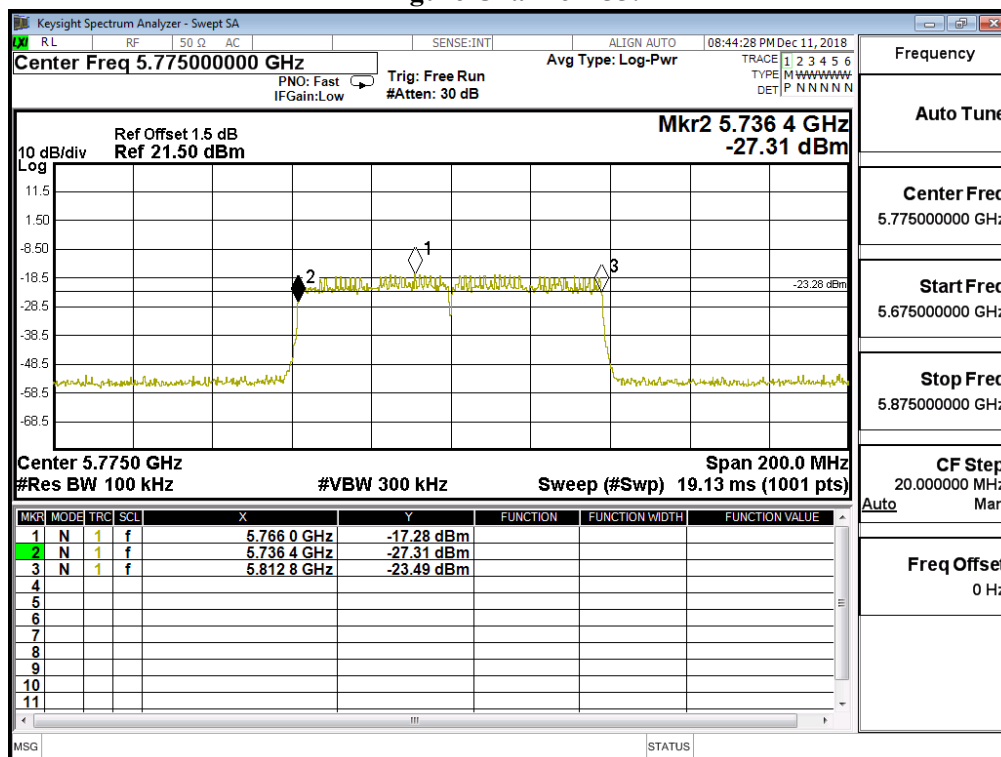
Figure Channel 159:



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

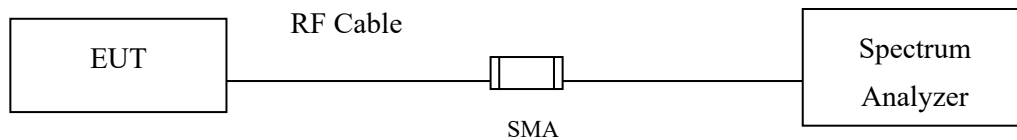
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 155 | 5775 | 76400 | >500 | Pass |

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:

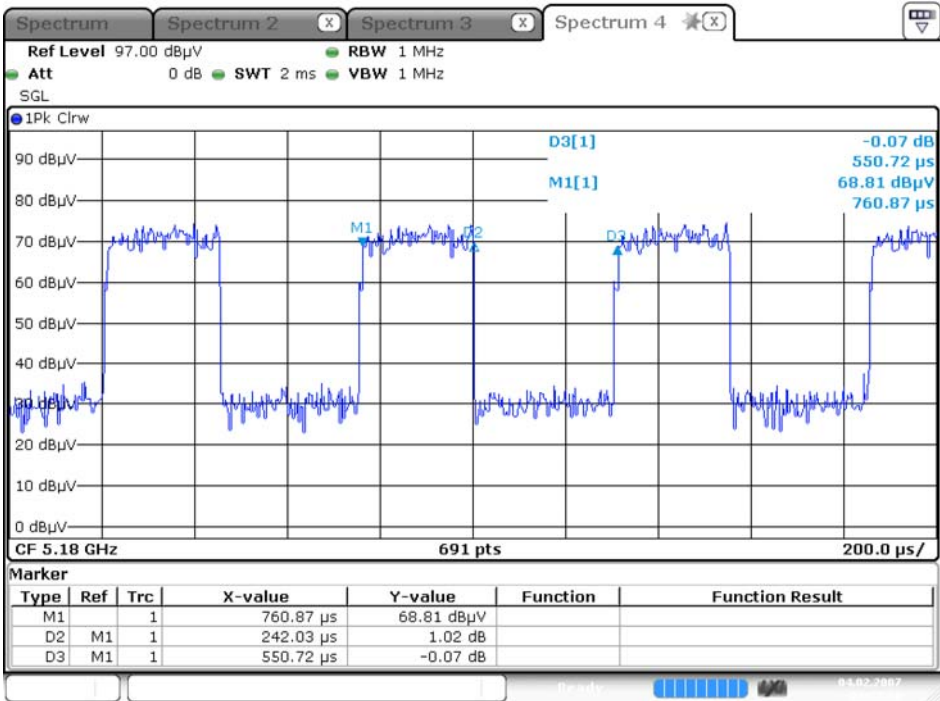
$\text{Duty Cycle} = \text{Ton} / (\text{Ton} + \text{Toff})$

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

Results:

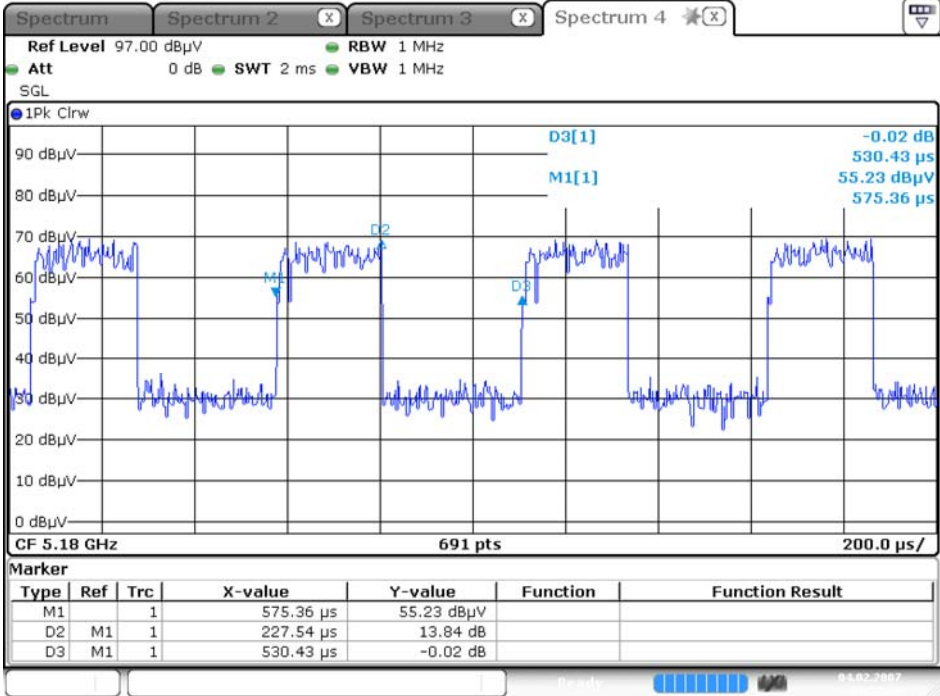
| 5GHz band | Ton (ms) | Ton + Toff (ms) | Duty Cycle (%) | Duty Factor (dB) |
|------------|-------------|--------------------|-------------------|---------------------|
| 802.11a | 0.2420 | 0.5507 | 43.95 | 3.57 |
| 802.11n20 | 0.2275 | 0.5304 | 42.90 | 3.68 |
| 802.11n40 | 0.1261 | 0.4290 | 29.39 | 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



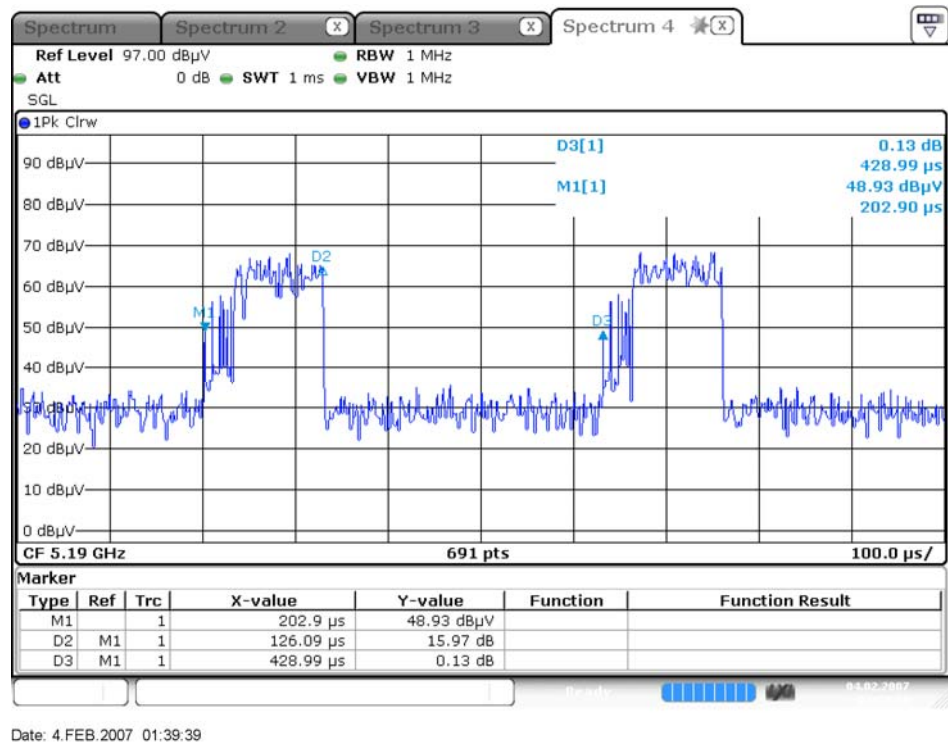
Date: 4.FEB.2007 00:12:38

802.11n20

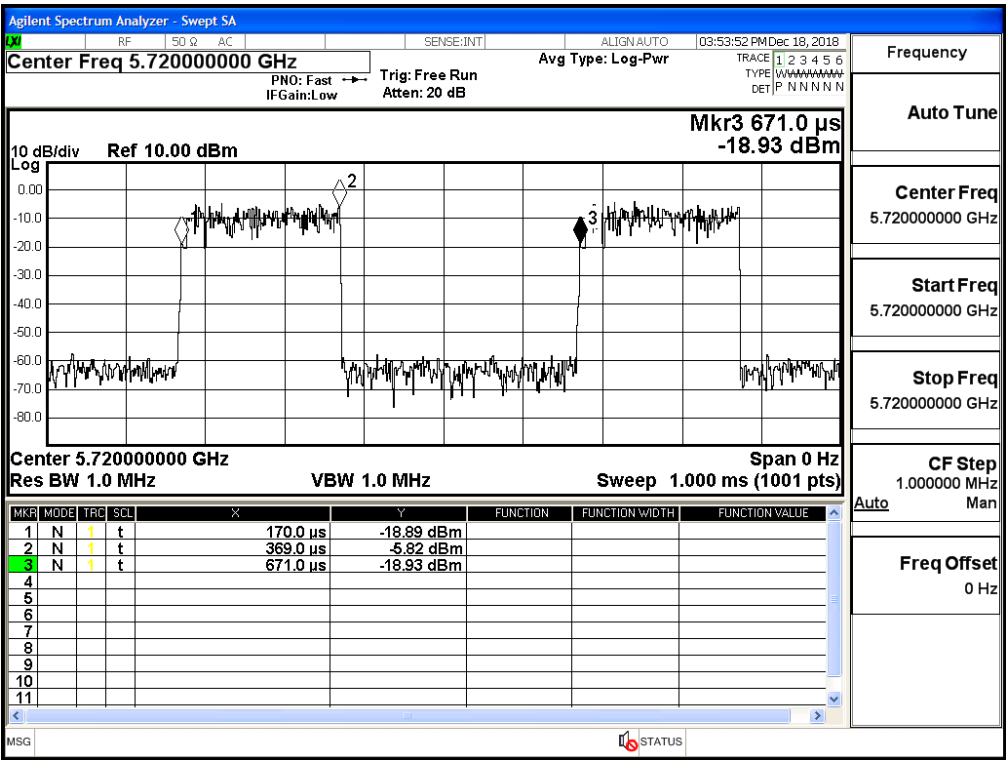


Date: 4.FEB.2007 00:57:29

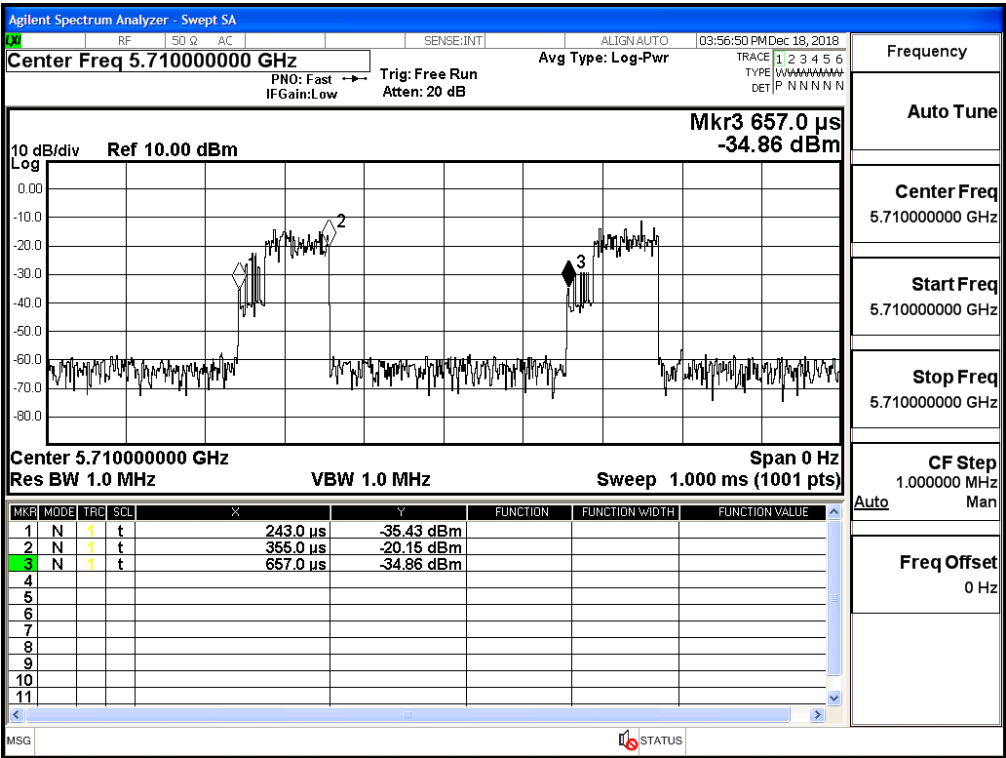
802.11n40



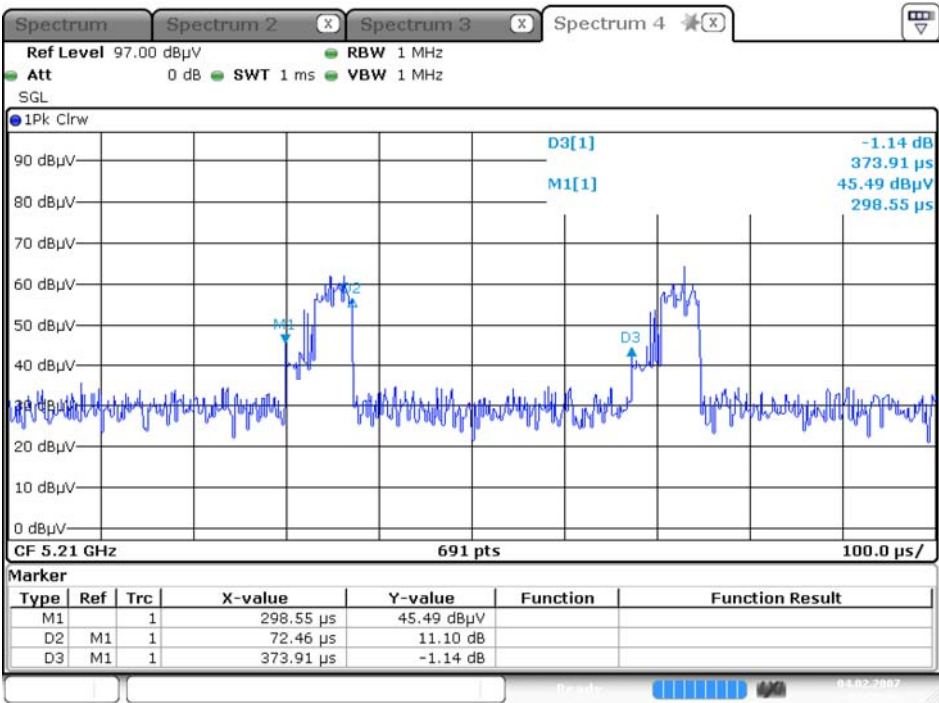
802.11ac20



802.11ac40



802.11ac80



9. EMI Reduction Method During Compliance Testing

No modification was made during testing.