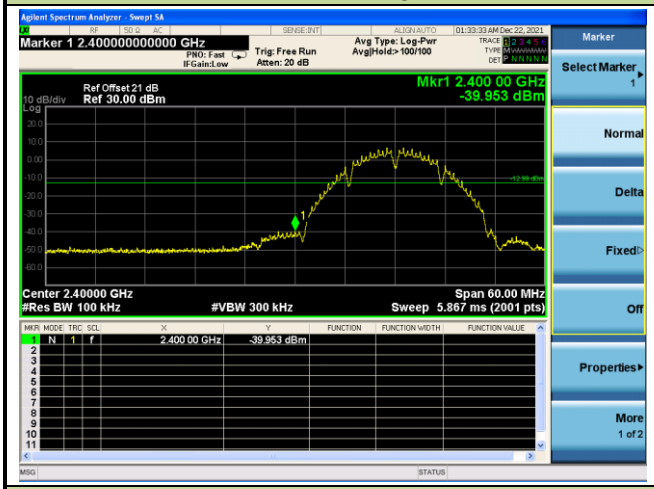
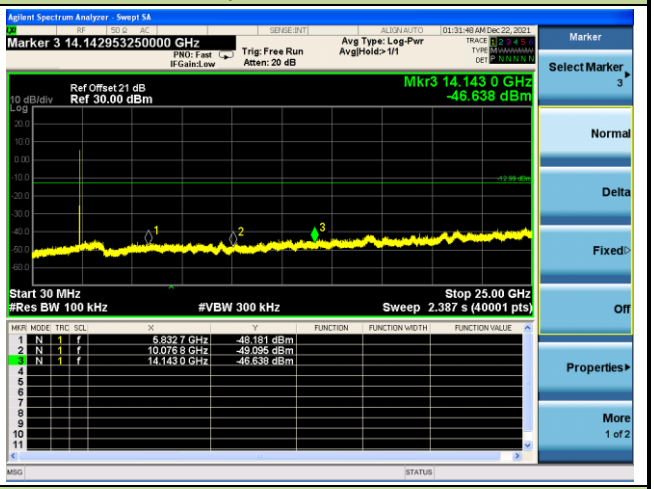
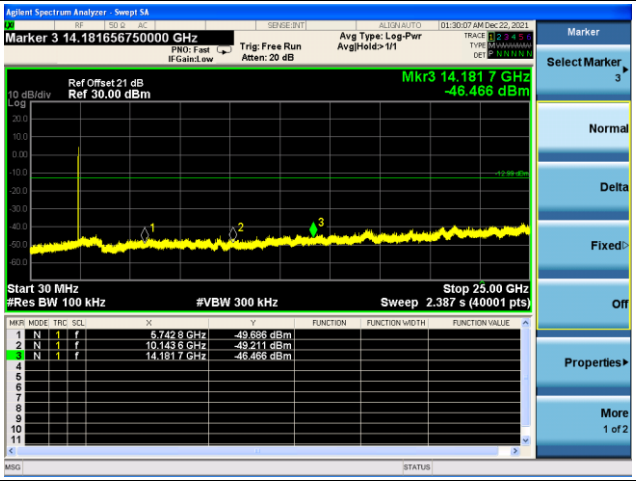
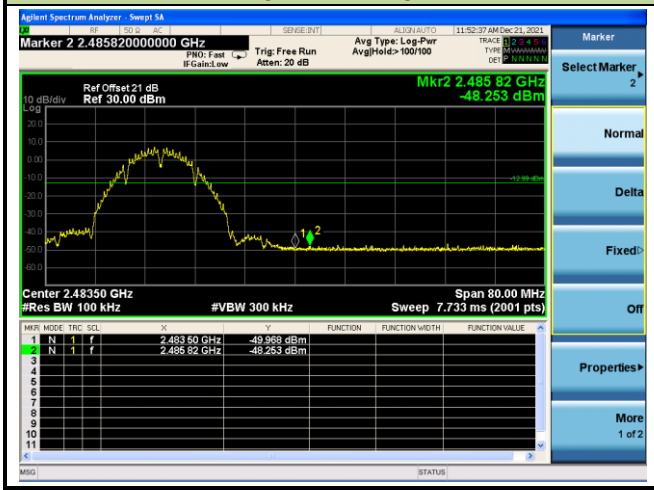
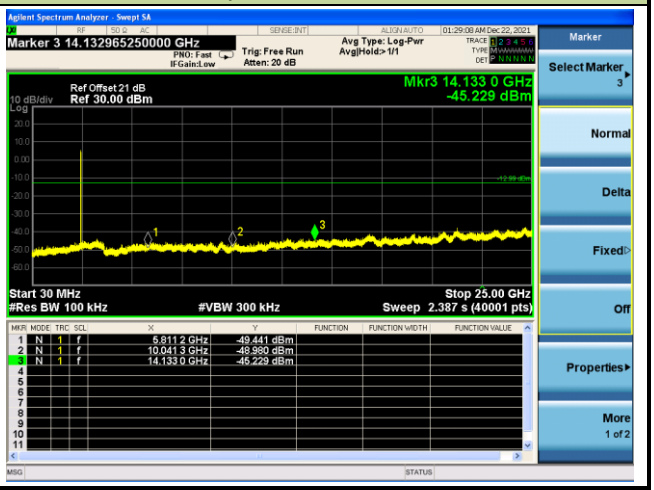
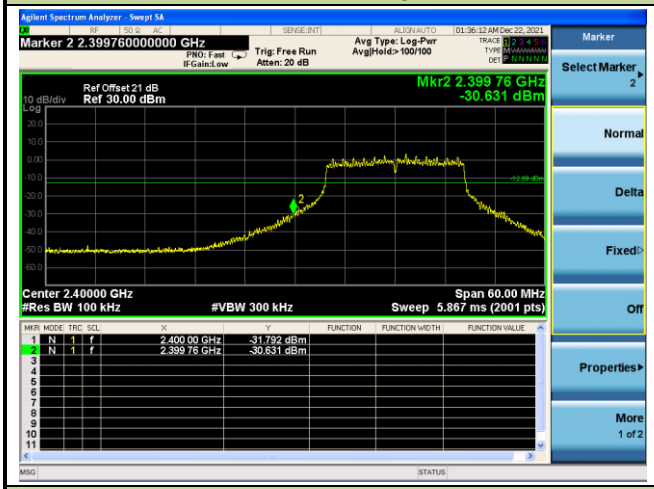
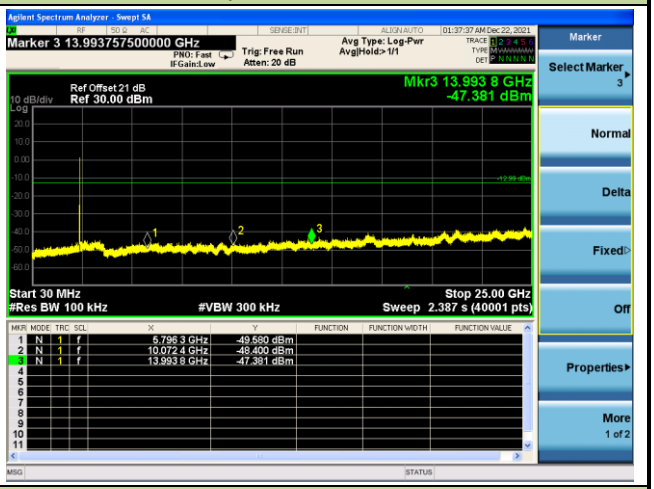
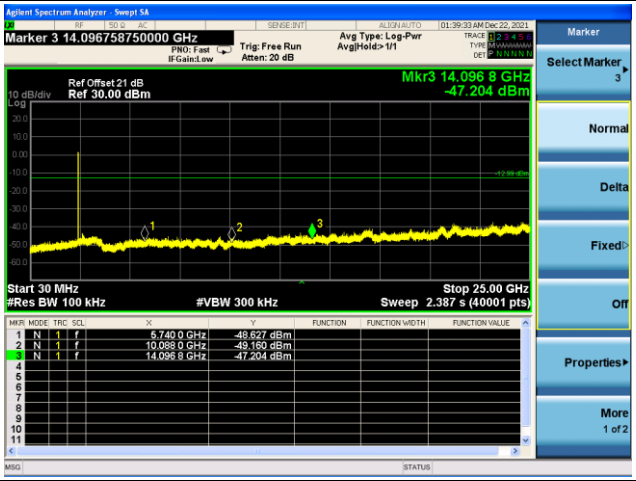
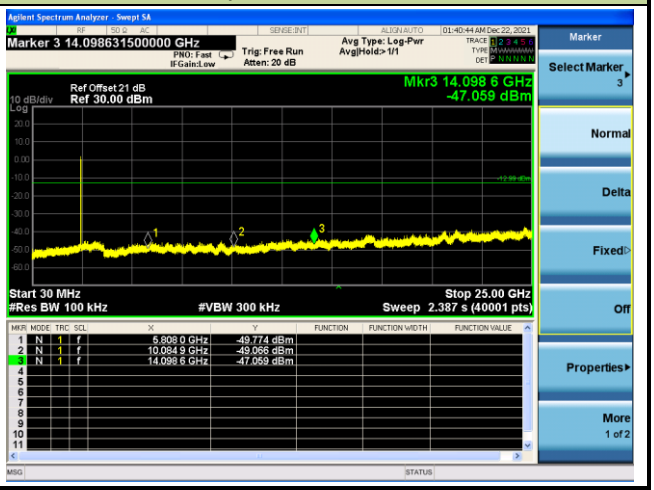
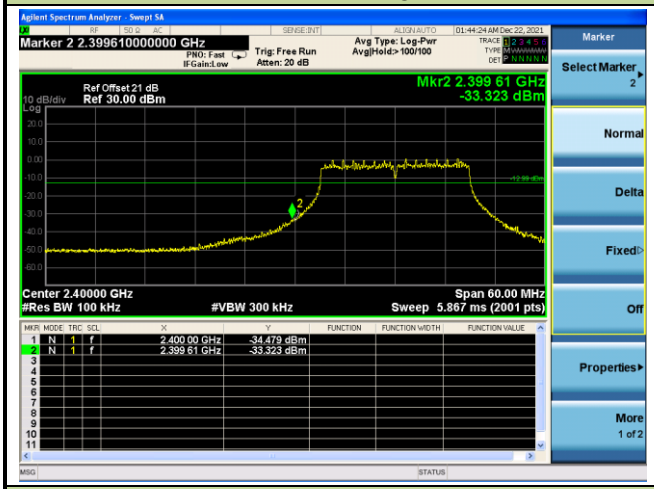
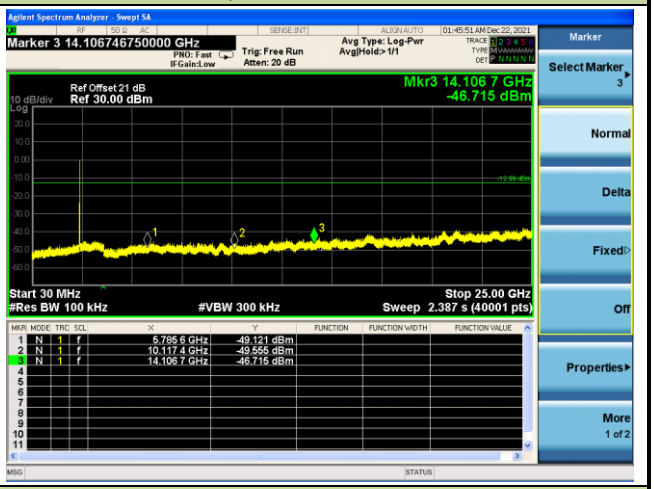
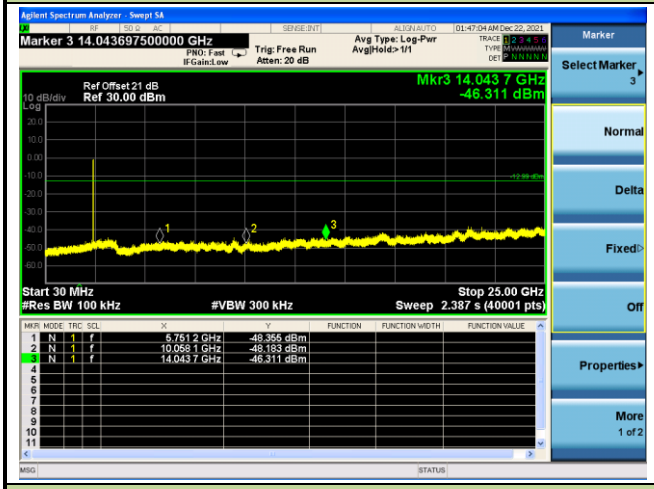
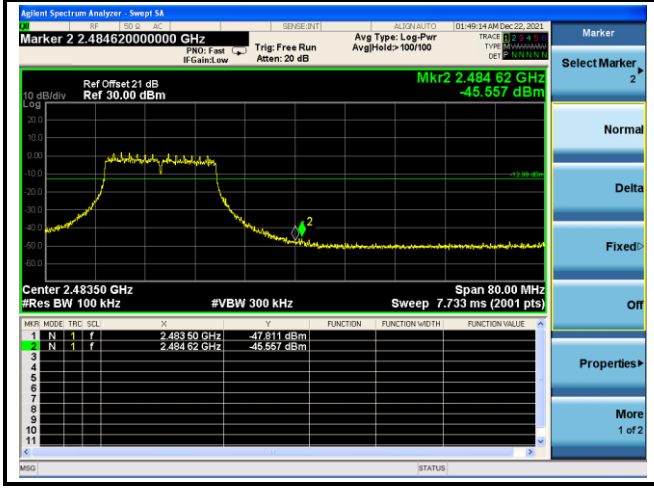
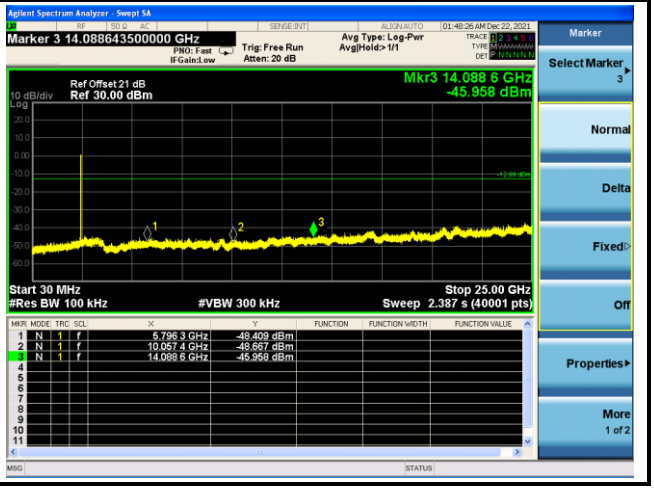
| 802.11b Out-of-Band Emissions | |
|---|---|
| Channel 01 (2412MHz) | |
| Low Band Edge | Spurious Emission |
|  |  |
| Channel 06 (2437MHz) | |
| Spurious Emission | |
|  | |
| Channel 11 (2462MHz) | |
| High Band Edge | Spurious Emission |
|  |  |

| 802.11g Out-of-Band Emissions | |
|---|---|
| Channel 01 (2412MHz) | |
| Low Band Edge | Spurious Emission |
|  |  |
| Channel 06 (2437MHz) | |
| Spurious Emission | |
|  | |
| Channel 11 (2462MHz) | |
| High Band Edge | Spurious Emission |
|  |  |

| 802.11n-HT20 Out-of-Band Emissions | |
|---|---|
| Channel 01 (2412MHz) | |
| Low Band Edge | Spurious Emission |
|  |  |
| Channel 06 (2437MHz) | |
| Spurious Emission | |
|  | |
| Channel 11 (2462MHz) | |
| High Band Edge | Spurious Emission |
|  |  |

### A.6 Radiated Spurious Emission Test Result

| | | | |
|---|---|---|---|
| Test Site | NS-AC1 | Test Engineer | Dillon Diao |
| Test Date | 2021/12/22 | Test Mode | 802.11b |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| 01 | 7460.0 | 33.0 | 9.3 | 42.3 | 74.0 | -31.7 | Peak | Horizontal |
| | 8293.0 | 33.6 | 9.7 | 43.3 | 74.0 | -30.7 | Peak | Horizontal |
| | 11795.0 | 32.8 | 15.0 | 47.8 | 74.0 | -26.2 | Peak | Horizontal |
| | 7409.0 | 32.3 | 9.3 | 41.6 | 74.0 | -32.4 | Peak | Vertical |
| | 8386.5 | 32.5 | 10.0 | 42.5 | 74.0 | -31.5 | Peak | Vertical |
| | 12398.5 | 32.4 | 14.5 | 46.9 | 74.0 | -27.1 | Peak | Vertical |
| 06 | 7451.5 | 33.2 | 9.3 | 42.5 | 74.0 | -31.5 | Peak | Horizontal |
| | 8480.0 | 32.7 | 10.8 | 43.5 | 74.0 | -30.5 | Peak | Horizontal |
| | 12152.0 | 31.7 | 15.3 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
| | 7604.5 | 32.4 | 9.0 | 41.4 | 74.0 | -32.6 | Peak | Vertical |
| | 8352.5 | 33.4 | 10.0 | 43.4 | 74.0 | -30.6 | Peak | Vertical |
| | 11378.5 | 30.9 | 14.9 | 45.8 | 74.0 | -28.2 | Peak | Vertical |
| 11 | 7664.0 | 33.7 | 8.8 | 42.5 | 74.0 | -31.5 | Peak | Horizontal |
| | 8233.5 | 34.5 | 9.5 | 44.0 | 74.0 | -30.0 | Peak | Horizontal |
| | 11106.5 | 32.2 | 15.3 | 47.5 | 74.0 | -26.5 | Peak | Horizontal |
| | 7400.5 | 33.2 | 9.3 | 42.5 | 74.0 | -31.5 | Peak | Vertical |
| | 8199.5 | 32.2 | 9.1 | 41.3 | 74.0 | -32.7 | Peak | Vertical |
| | 11735.5 | 31.1 | 15.1 | 46.2 | 74.0 | -27.8 | Peak | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | NS-AC1 | Test Engineer | Dillon Diao |
|---|---|---|---|
| Test Date | 2021/12/22 | Test Mode | 802.11g |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| 01 | 7451.5 | 33.8 | 9.3 | 43.1 | 74.0 | -30.9 | Peak | Horizontal |
| | 8225.0 | 33.9 | 9.5 | 43.4 | 74.0 | -30.6 | Peak | Horizontal |
| | 11548.5 | 33.3 | 15.9 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| | 7417.5 | 32.1 | 9.3 | 41.4 | 74.0 | -32.6 | Peak | Vertical |
| | 8097.5 | 34.1 | 9.3 | 43.4 | 74.0 | -30.6 | Peak | Vertical |
| | 11625.0 | 32.0 | 16.3 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| 06 | 7366.5 | 32.4 | 9.2 | 41.6 | 74.0 | -32.4 | Peak | Horizontal |
| | 8335.5 | 33.9 | 9.9 | 43.8 | 74.0 | -30.2 | Peak | Horizontal |
| | 11072.5 | 32.8 | 15.2 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| | 7366.5 | 32.9 | 9.2 | 42.1 | 74.0 | -31.9 | Peak | Vertical |
| | 8114.5 | 35.6 | 9.1 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 10664.5 | 34.1 | 14.0 | 48.1 | 74.0 | -25.9 | Peak | Vertical |
| 11 | 7409.0 | 32.8 | 9.3 | 42.1 | 74.0 | -31.9 | Peak | Horizontal |
| | 8276.0 | 33.8 | 9.5 | 43.3 | 74.0 | -30.7 | Peak | Horizontal |
| | 11438.0 | 32.7 | 15.3 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| | 7621.5 | 33.7 | 8.7 | 42.4 | 74.0 | -31.6 | Peak | Vertical |
| | 8335.5 | 33.4 | 9.9 | 43.3 | 74.0 | -30.7 | Peak | Vertical |
| | 11616.5 | 31.5 | 16.2 | 47.7 | 74.0 | -26.3 | Peak | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | NS-AC1 | Test Engineer | Dillon Diao |
|---|---|---|---|
| Test Date | 2021/12/22 | Test Mode | 802.11n-HT20 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

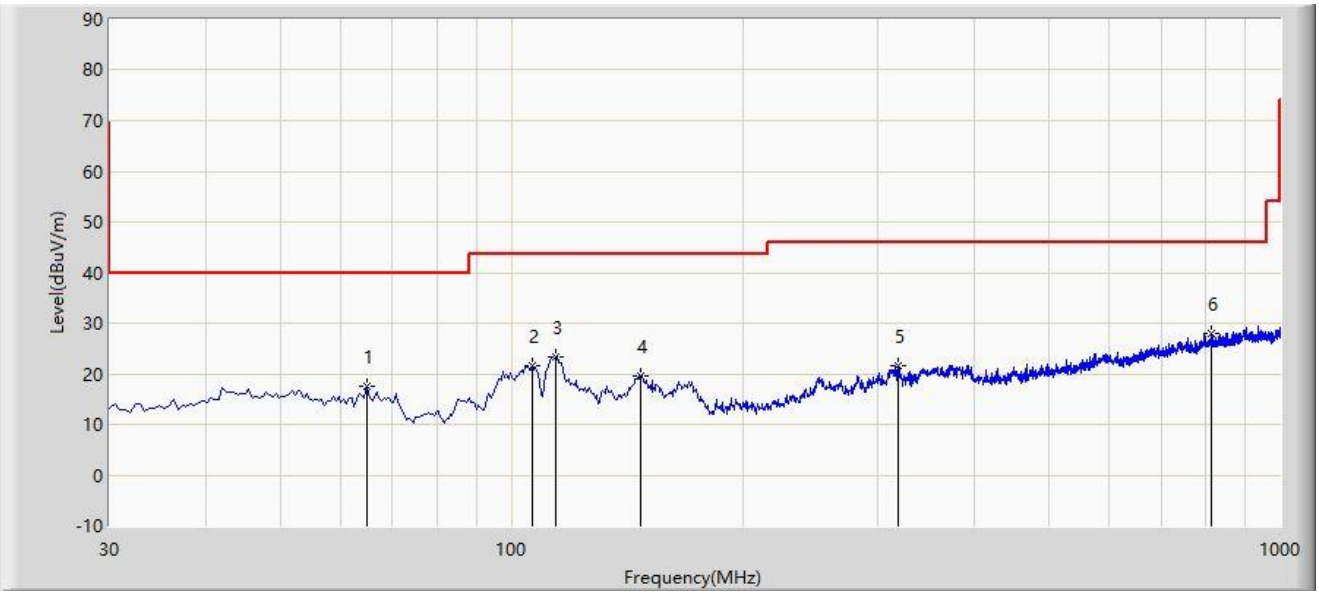
| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| 01 | 7672.5 | 34.1 | 8.8 | 42.9 | 74.0 | -31.1 | Peak | Horizontal |
| | 8488.5 | 33.8 | 10.7 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 11480.5 | 32.8 | 15.5 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| | 7494.0 | 33.1 | 9.1 | 42.2 | 74.0 | -31.8 | Peak | Vertical |
| | 8293.0 | 32.4 | 9.7 | 42.1 | 74.0 | -31.9 | Peak | Vertical |
| | 11463.5 | 33.0 | 15.4 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| 06 | 7766.0 | 32.6 | 8.4 | 41.0 | 68.2 | -27.2 | Peak | Horizontal |
| | 8335.5 | 33.4 | 9.9 | 43.3 | 74.0 | -30.7 | Peak | Horizontal |
| | 11081.0 | 32.5 | 15.2 | 47.7 | 74.0 | -26.3 | Peak | Horizontal |
| | 7570.5 | 32.6 | 8.9 | 41.5 | 74.0 | -32.5 | Peak | Vertical |
| | 8131.5 | 34.7 | 9.2 | 43.9 | 74.0 | -30.1 | Peak | Vertical |
| | 11004.5 | 33.4 | 14.9 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| 11 | 7307.0 | 33.7 | 9.0 | 42.7 | 74.0 | -31.3 | Peak | Horizontal |
| | 8148.5 | 34.4 | 9.4 | 43.8 | 74.0 | -30.2 | Peak | Horizontal |
| | 10800.5 | 33.6 | 14.6 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| | 7375.0 | 33.3 | 9.3 | 42.6 | 74.0 | -31.4 | Peak | Vertical |
| | 8276.0 | 32.7 | 9.5 | 42.2 | 74.0 | -31.8 | Peak | Vertical |
| | 10996.0 | 33.6 | 15.0 | 48.6 | 74.0 | -25.4 | Peak | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

**The Result of Radiated Emission below 1GHz:**

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/21 - 10:34 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_VULB9162 | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| **Test Mode**: Transmit by n-HT20 at channel 2412MHz | |




| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 64.920 | 17.611 | 2.923 | -22.389 | 40.000 | 14.688 | PK |
| 2 | | | 106.630 | 21.697 | 6.571 | -21.803 | 43.500 | 15.126 | PK |
| 3 | | | 114.390 | 23.471 | 9.350 | -20.029 | 43.500 | 14.121 | PK |
| 4 | | | 147.370 | 19.688 | 8.006 | -23.812 | 43.500 | 11.682 | PK |
| 5 | | | 319.060 | 21.734 | 4.402 | -24.266 | 46.000 | 17.332 | PK |
| 6 | | * | 814.730 | 27.970 | 1.631 | -18.030 | 46.000 | 26.338 | PK |

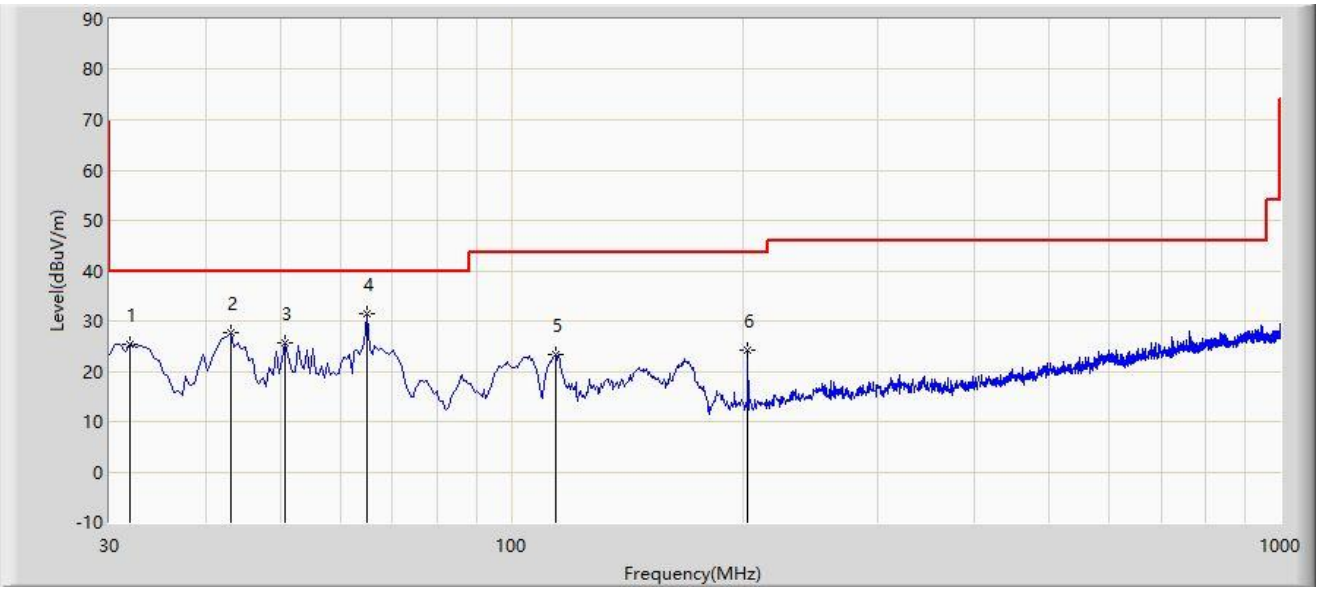
Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/21 - 10:35 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_VULB9162 | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| **Test Mode**: Transmit by n-HT20 at channel 2412MHz | |




| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 31.940 | 25.256 | 11.128 | -14.744 | 40.000 | 14.128 | PK |
| 2 | | | 43.095 | 27.726 | 10.716 | -12.274 | 40.000 | 17.010 | PK |
| 3 | | | 50.855 | 25.626 | 8.086 | -14.374 | 40.000 | 17.540 | PK |
| 4 | | * | 64.920 | 31.436 | 16.748 | -8.564 | 40.000 | 14.688 | PK |
| 5 | | | 114.390 | 23.469 | 9.348 | -20.031 | 43.500 | 14.121 | PK |
| 6 | | | 203.145 | 24.270 | 9.536 | -19.230 | 43.500 | 14.735 | PK |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

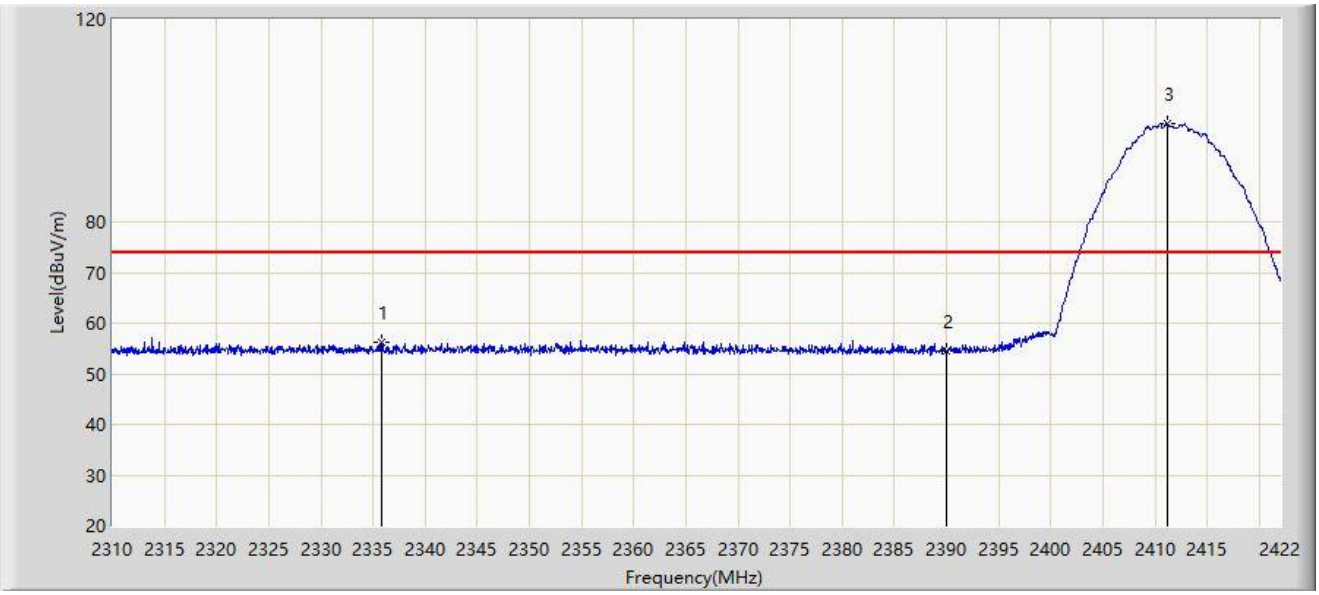
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

### A.7 Radiated Restricted Band Edge Test Result

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 14:40 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11b at channel 2412MHz | |

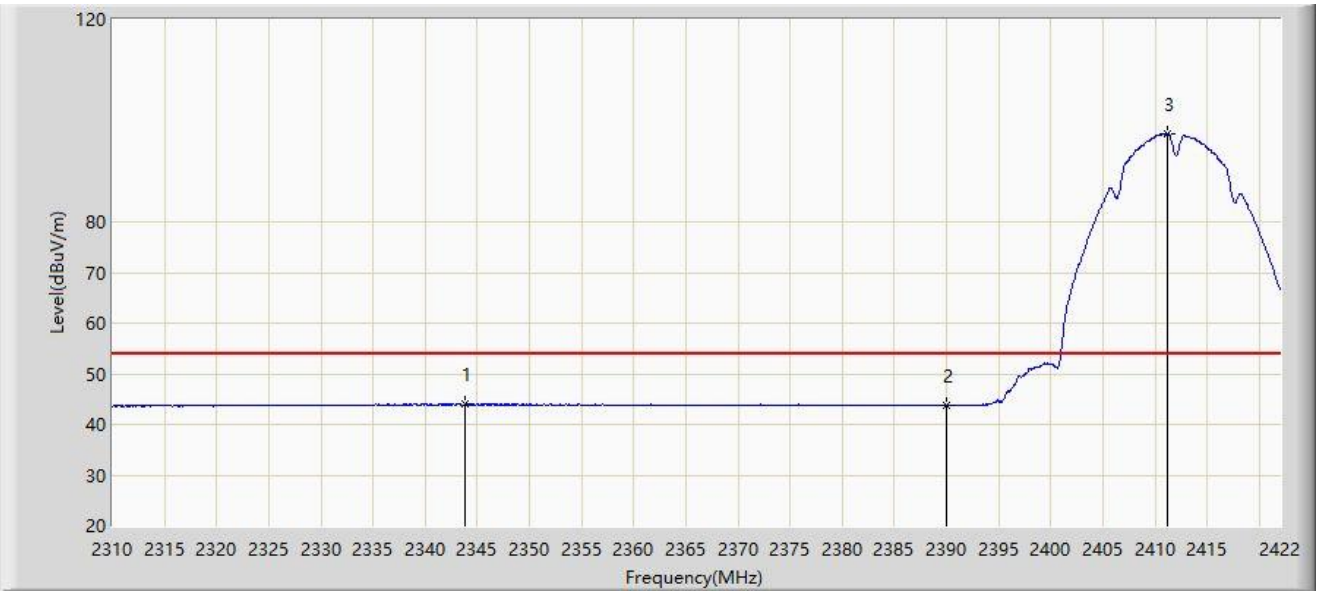



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2335.872 | 56.188 | 25.024 | -17.812 | 74.000 | 31.164 | PK |
| 2 | | | 2390.000 | 54.567 | 23.664 | -19.433 | 74.000 | 30.903 | PK |
| 3 | | * | 2411.136 | 99.412 | 68.437 | N/A | N/A | 30.975 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 14:43 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11b at channel 2412MHz | |

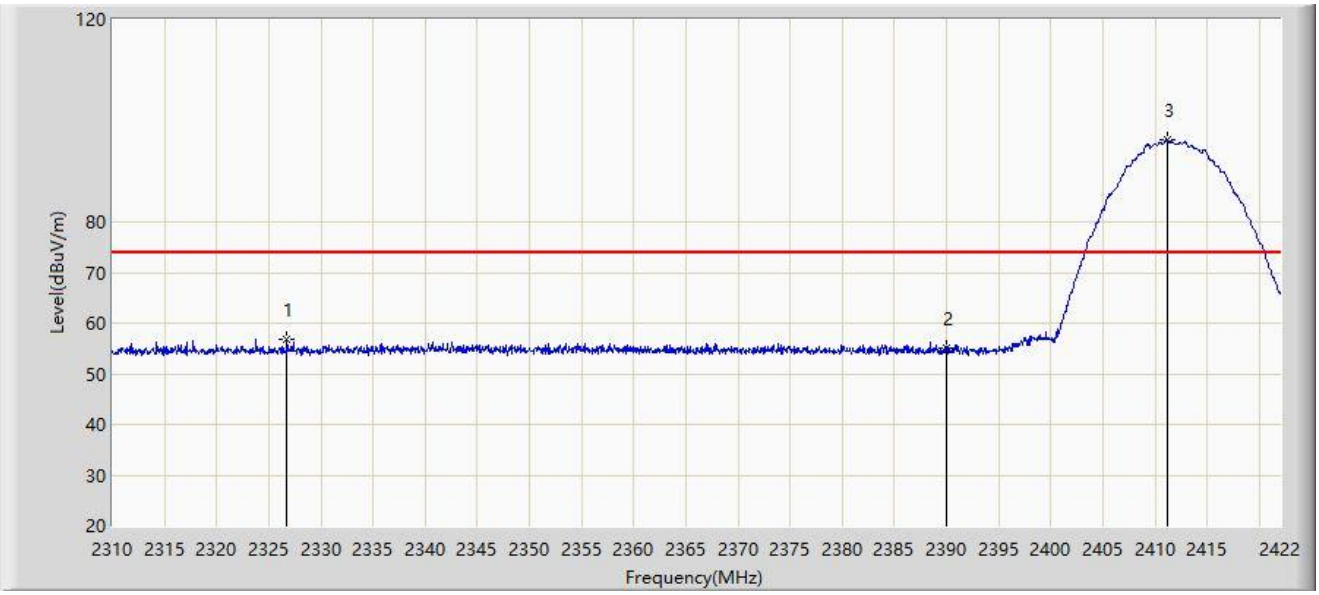



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2343.880 | 44.096 | 12.918 | -9.904 | 54.000 | 31.178 | AV |
| 2 | | | 2390.000 | 43.695 | 12.792 | -10.305 | 54.000 | 30.903 | AV |
| 3 | | * | 2411.136 | 97.487 | 66.512 | N/A | N/A | 30.975 | AV |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 14:49 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11b at channel 2412MHz | |

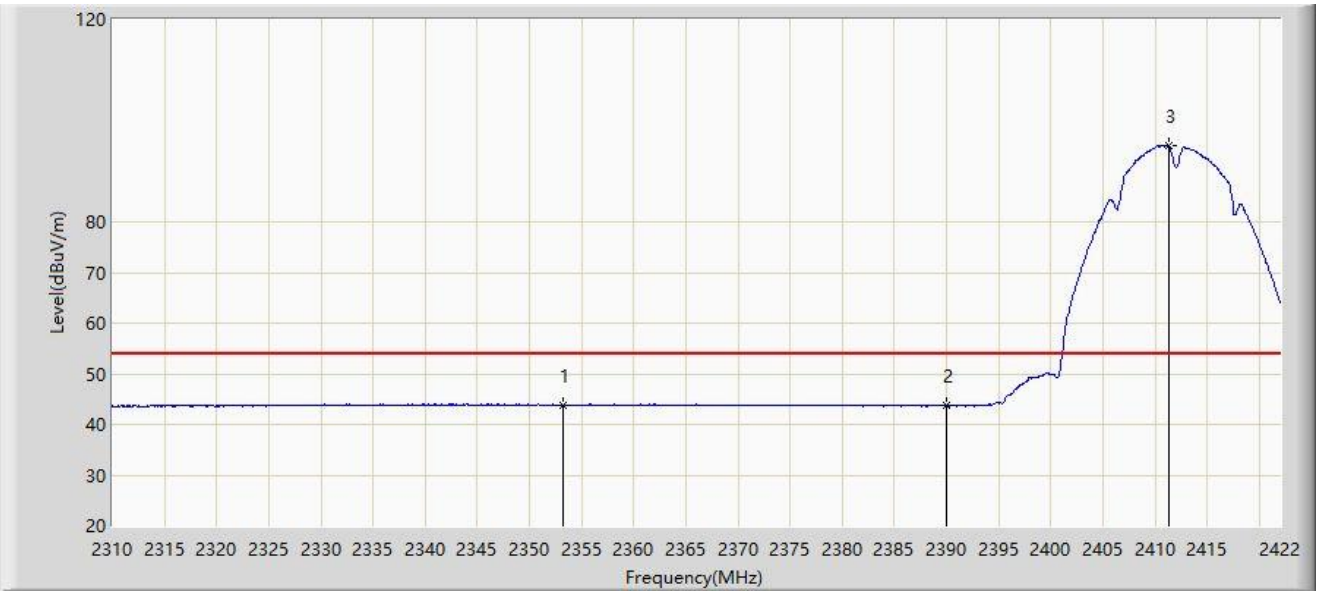



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2326.744 | 56.690 | 25.556 | -17.310 | 74.000 | 31.134 | PK |
| 2 | | | 2390.000 | 55.054 | 24.151 | -18.946 | 74.000 | 30.903 | PK |
| 3 | | * | 2411.136 | 96.290 | 65.315 | N/A | N/A | 30.975 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 14:50 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11b at channel 2412MHz | |

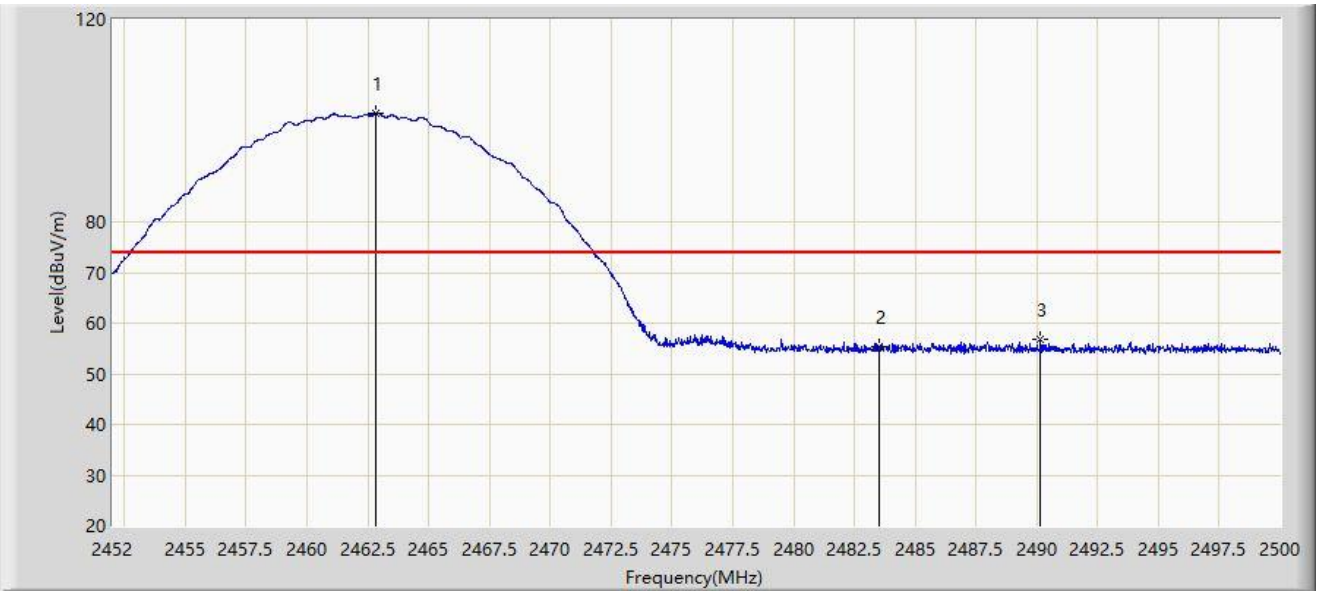



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2353.288 | 43.865 | 12.798 | -10.135 | 54.000 | 31.067 | AV |
| 2 | | | 2390.000 | 43.797 | 12.894 | -10.203 | 54.000 | 30.903 | AV |
| 3 | | * | 2411.304 | 95.167 | 64.192 | N/A | N/A | 30.975 | AV |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 14:52 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11b at channel 2462MHz | |

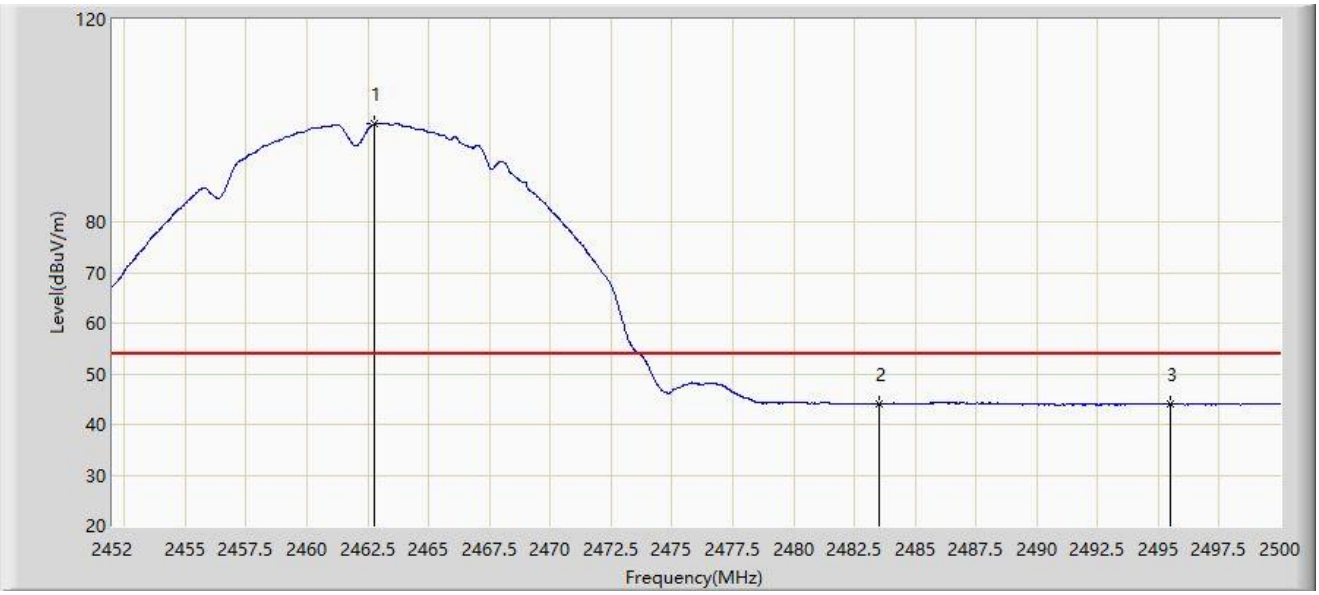



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2462.800 | 101.527 | 70.649 | N/A | N/A | 30.878 | PK |
| 2 | | | 2483.500 | 55.347 | 24.458 | -18.653 | 74.000 | 30.889 | PK |
| 3 | | | 2490.136 | 56.855 | 25.933 | -17.145 | 74.000 | 30.922 | PK |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 14:54 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11b at channel 2462MHz | |

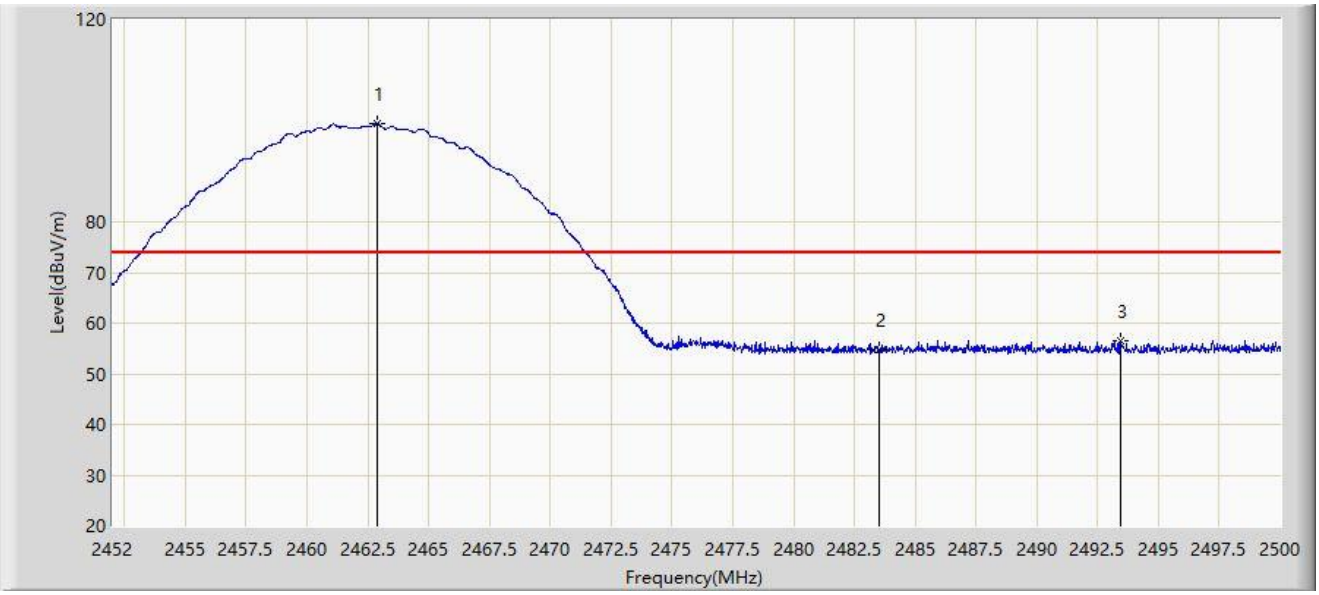



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2462.776 | 99.353 | 68.475 | N/A | N/A | 30.878 | AV |
| 2 | | | 2483.500 | 44.010 | 13.121 | -9.990 | 54.000 | 30.889 | AV |
| 3 | | | 2495.488 | 44.070 | 13.121 | -9.930 | 54.000 | 30.949 | AV |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 14:55 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11b at channel 2462MHz | |

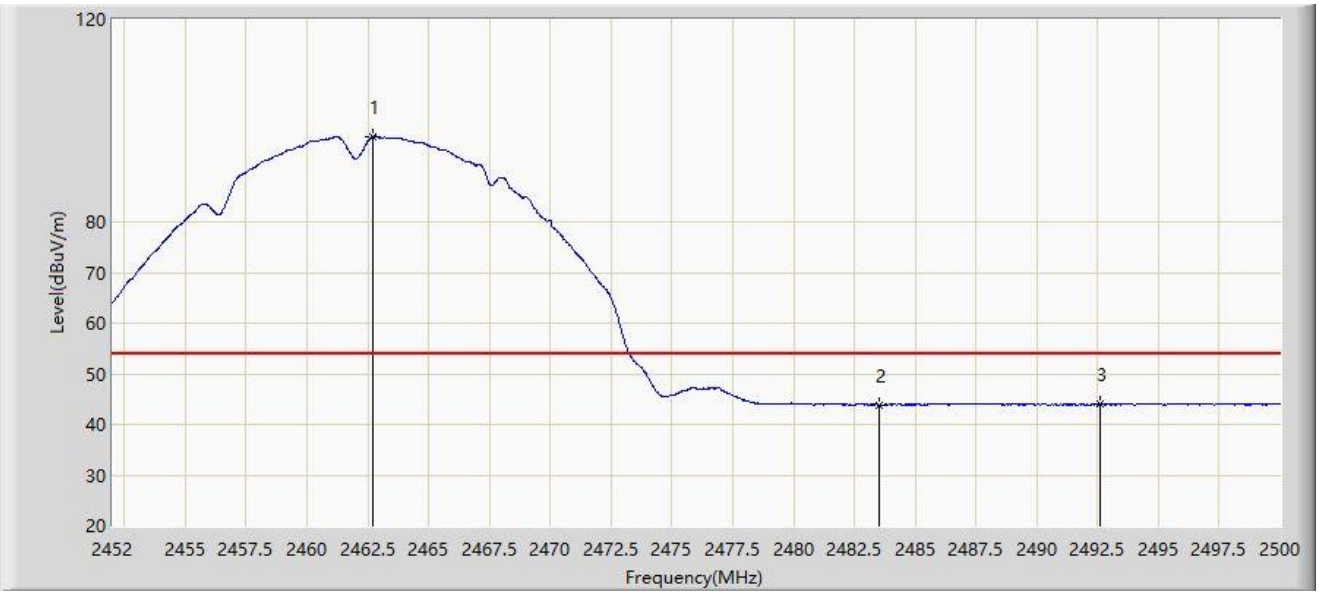



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2462.872 | 99.358 | 68.480 | N/A | N/A | 30.878 | PK |
| 2 | | | 2483.500 | 54.731 | 23.842 | -19.269 | 74.000 | 30.889 | PK |
| 3 | | | 2493.424 | 56.635 | 25.697 | -17.365 | 74.000 | 30.938 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 14:57 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11b at channel 2462MHz | |

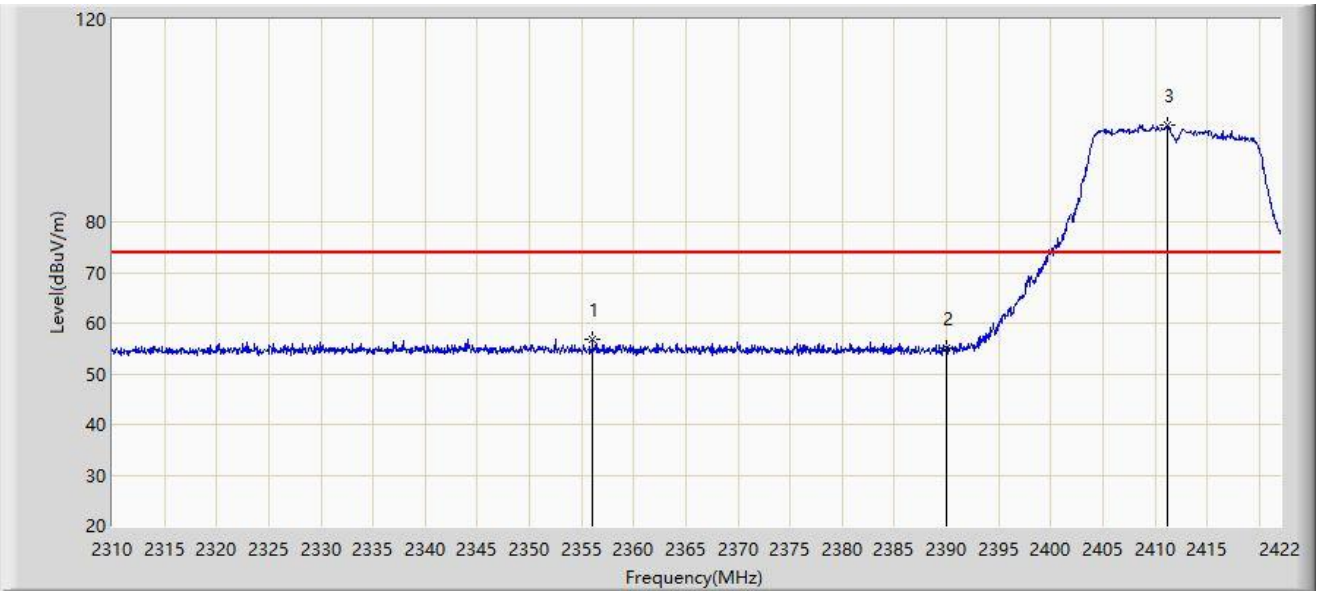



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2462.728 | 96.906 | 66.028 | N/A | N/A | 30.878 | AV |
| 2 | | | 2483.500 | 43.871 | 12.982 | -10.129 | 54.000 | 30.889 | AV |
| 3 | | | 2492.608 | 44.074 | 13.140 | -9.926 | 54.000 | 30.934 | AV |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 14:58 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11g at channel 2412MHz | |

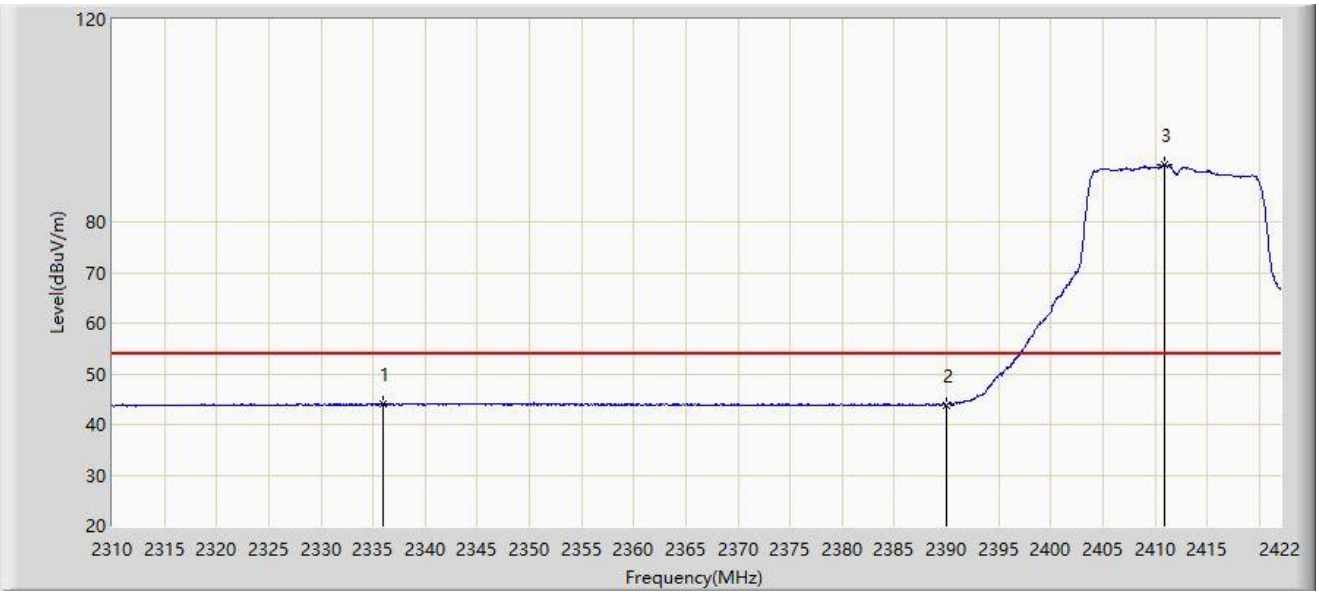



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2356.032 | 56.674 | 25.639 | -17.326 | 74.000 | 31.035 | PK |
| 2 | | | 2390.000 | 55.168 | 24.265 | -18.832 | 74.000 | 30.903 | PK |
| 3 | | * | 2411.136 | 99.118 | 68.143 | N/A | N/A | 30.975 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:00 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11g at channel 2412MHz | |

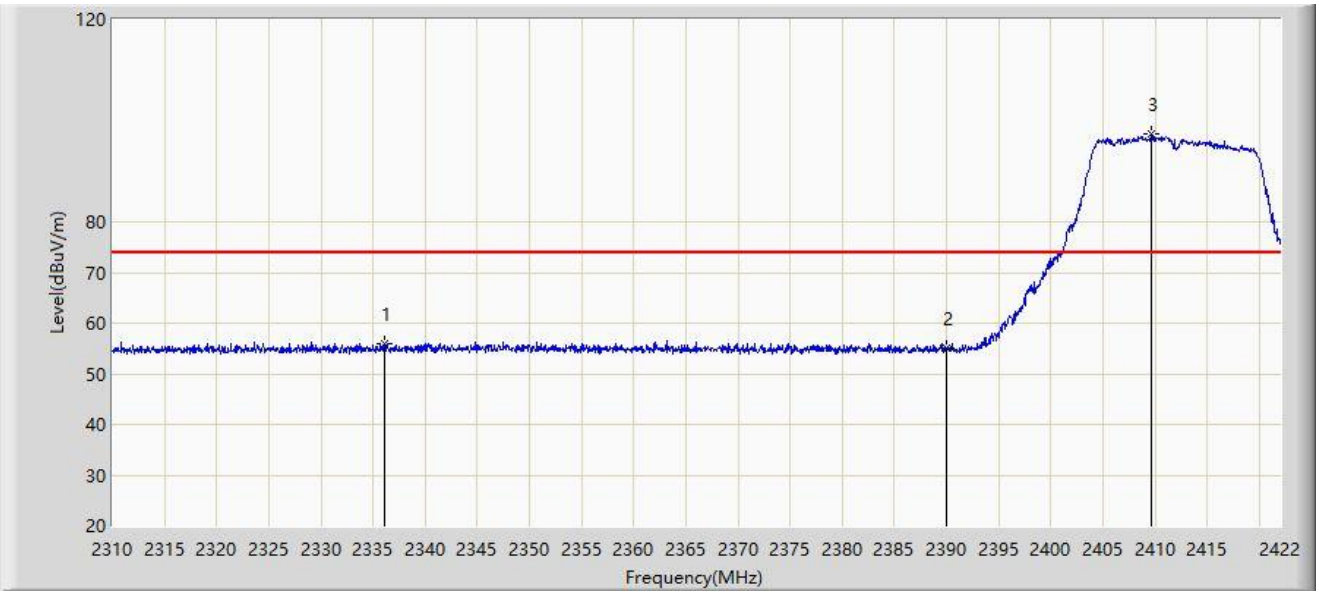



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2335.984 | 44.072 | 12.907 | -9.928 | 54.000 | 31.165 | AV |
| 2 | | | 2390.000 | 43.889 | 12.986 | -10.111 | 54.000 | 30.903 | AV |
| 3 | | * | 2410.912 | 91.274 | 60.299 | N/A | N/A | 30.975 | AV |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:02 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11g at channel 2412MHz | |

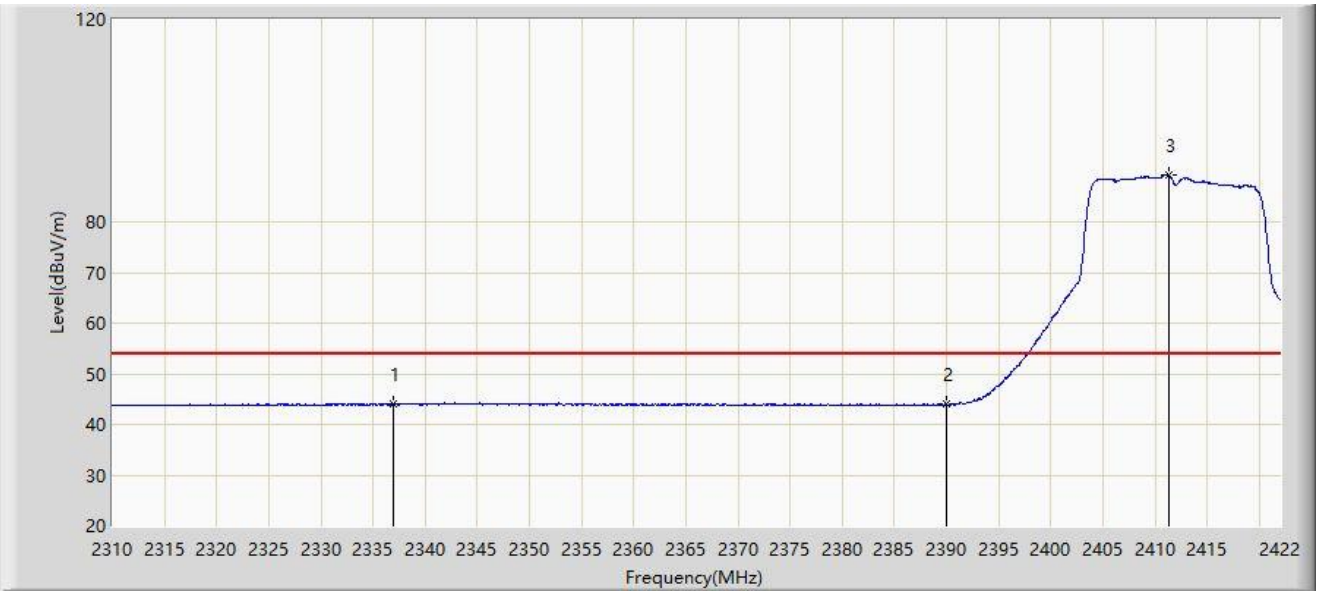



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2336.040 | 56.052 | 24.887 | -17.948 | 74.000 | 31.165 | PK |
| 2 | | | 2390.000 | 55.103 | 24.200 | -18.897 | 74.000 | 30.903 | PK |
| 3 | | * | 2409.680 | 97.336 | 66.366 | N/A | N/A | 30.970 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:04 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11g at channel 2412MHz | |

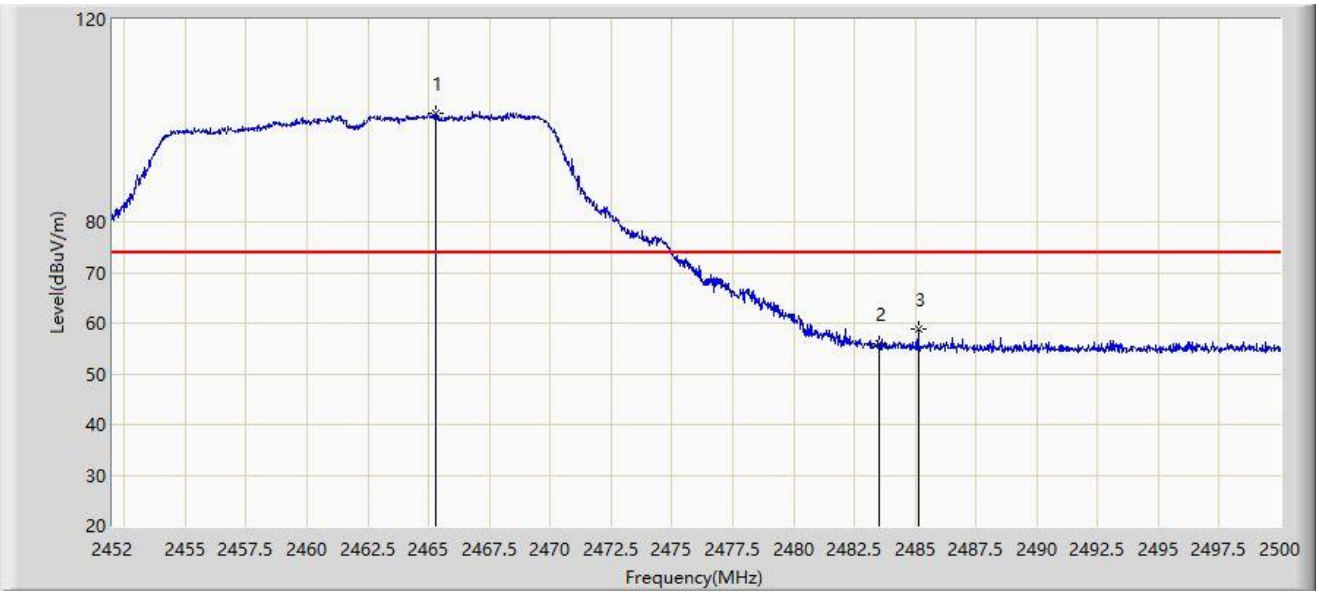



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2336.880 | 44.099 | 12.931 | -9.901 | 54.000 | 31.167 | AV |
| 2 | | | 2390.000 | 43.981 | 13.078 | -10.019 | 54.000 | 30.903 | AV |
| 3 | | * | 2411.304 | 89.362 | 58.387 | N/A | N/A | 30.975 | AV |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:06 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11g at channel 2462MHz | |

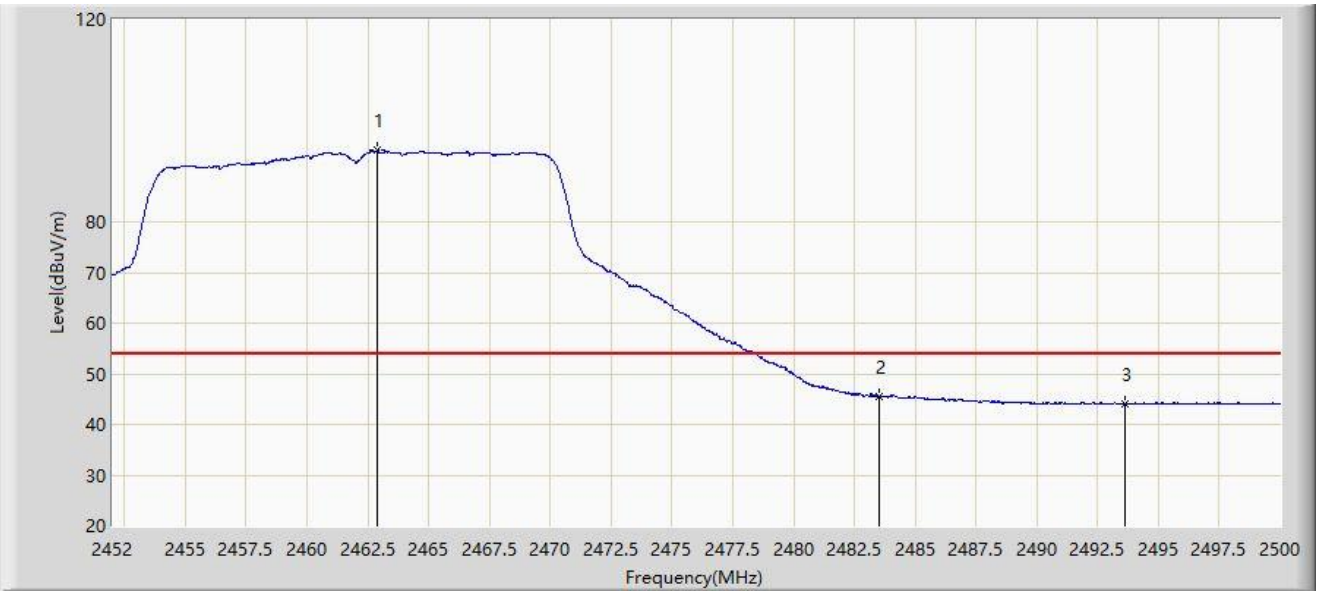



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2465.272 | 101.532 | 70.656 | N/A | N/A | 30.876 | PK |
| 2 | | | 2483.500 | 56.050 | 25.161 | -17.950 | 74.000 | 30.889 | PK |
| 3 | | | 2485.120 | 58.764 | 27.867 | -15.236 | 74.000 | 30.897 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:08 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11g at channel 2462MHz | |

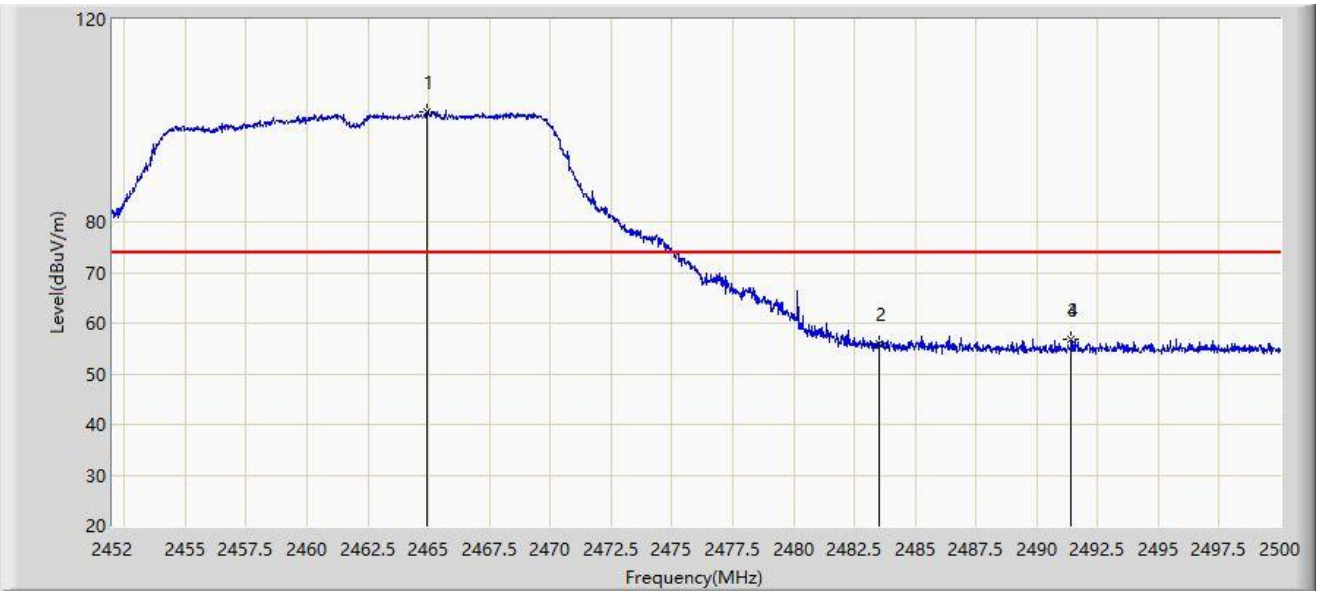



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2462.896 | 94.100 | 63.222 | N/A | N/A | 30.878 | AV |
| 2 | | | 2483.500 | 45.570 | 14.681 | -8.430 | 54.000 | 30.889 | AV |
| 3 | | | 2493.640 | 44.123 | 13.184 | -9.877 | 54.000 | 30.939 | AV |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:09 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11g at channel 2462MHz | |

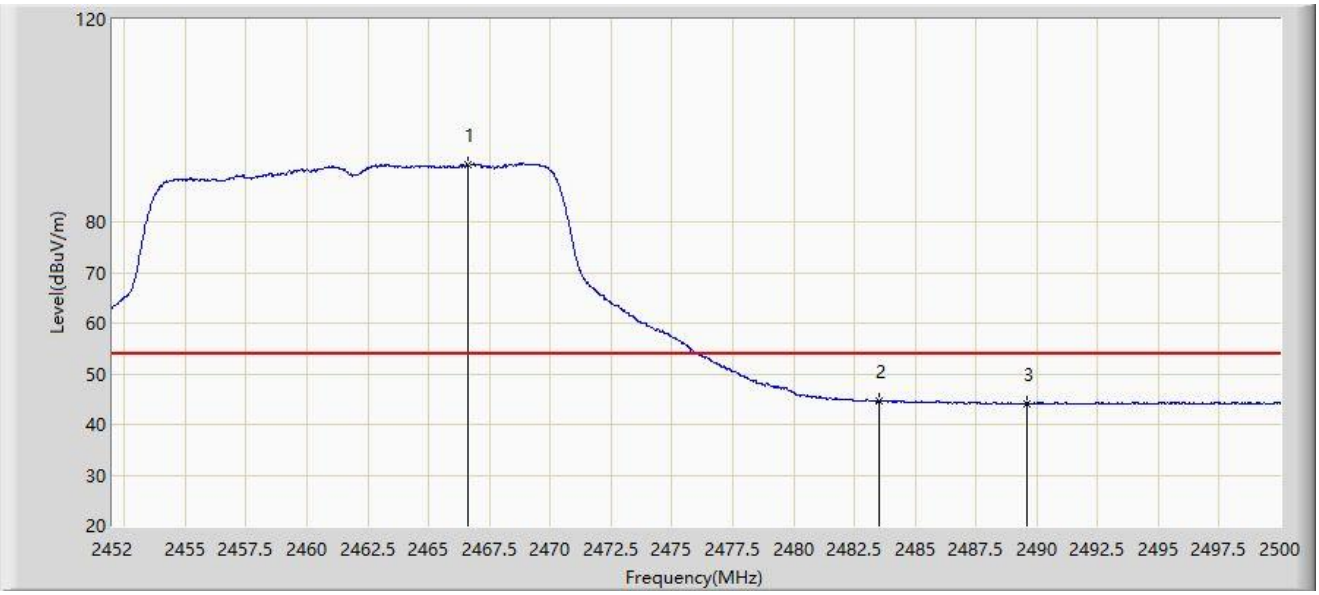



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2464.936 | 101.858 | 70.982 | N/A | N/A | 30.876 | PK |
| 2 | | | 2483.500 | 56.045 | 25.156 | -17.955 | 74.000 | 30.889 | PK |
| 3 | | | 2491.408 | 56.755 | 25.827 | -17.245 | 74.000 | 30.928 | PK |
| 4 | | | 2491.408 | 56.755 | 25.827 | -17.245 | 74.000 | 30.928 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:10 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11g at channel 2462MHz | |

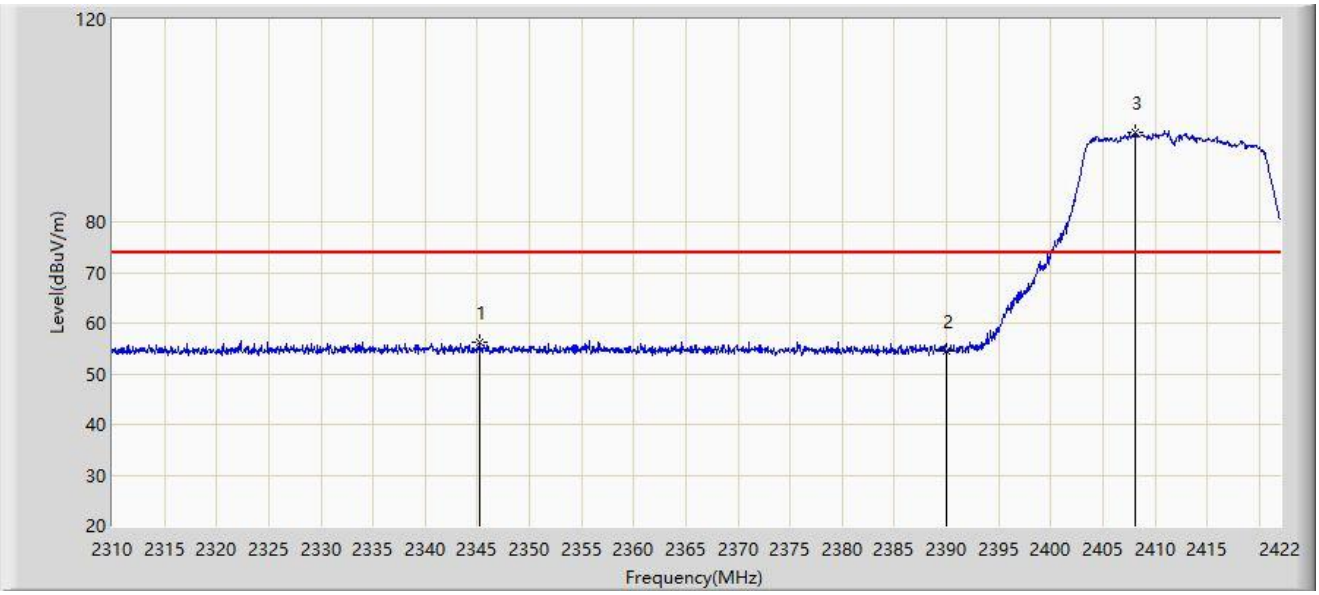



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2466.592 | 91.314 | 60.439 | N/A | N/A | 30.875 | AV |
| 2 | | | 2483.500 | 44.649 | 13.760 | -9.351 | 54.000 | 30.889 | AV |
| 3 | | | 2489.608 | 44.157 | 13.238 | -9.843 | 54.000 | 30.919 | AV |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:13 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz | |

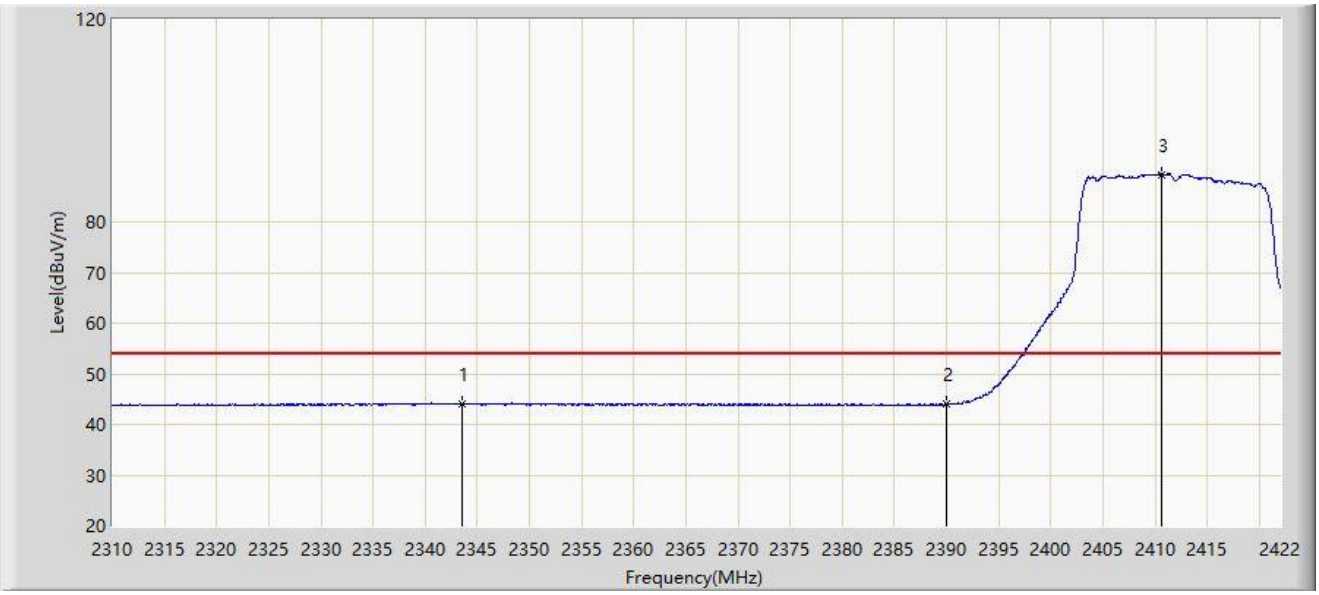



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2345.168 | 56.221 | 25.058 | -17.779 | 74.000 | 31.162 | PK |
| 2 | | | 2390.000 | 54.387 | 23.484 | -19.613 | 74.000 | 30.903 | PK |
| 3 | | * | 2408.168 | 97.537 | 66.574 | N/A | N/A | 30.963 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:14 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz | |

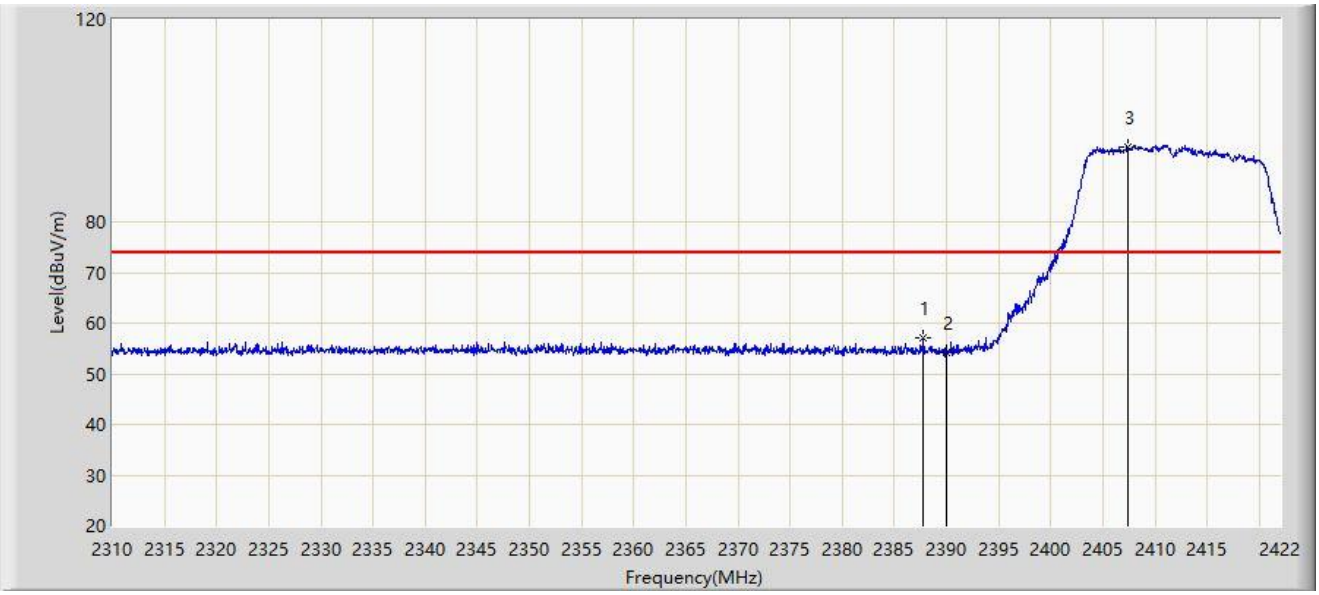



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2343.488 | 44.079 | 12.896 | -9.921 | 54.000 | 31.183 | AV |
| 2 | | | 2390.000 | 43.996 | 13.093 | -10.004 | 54.000 | 30.903 | AV |
| 3 | | * | 2410.688 | 89.411 | 58.437 | N/A | N/A | 30.974 | AV |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:17 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz | |

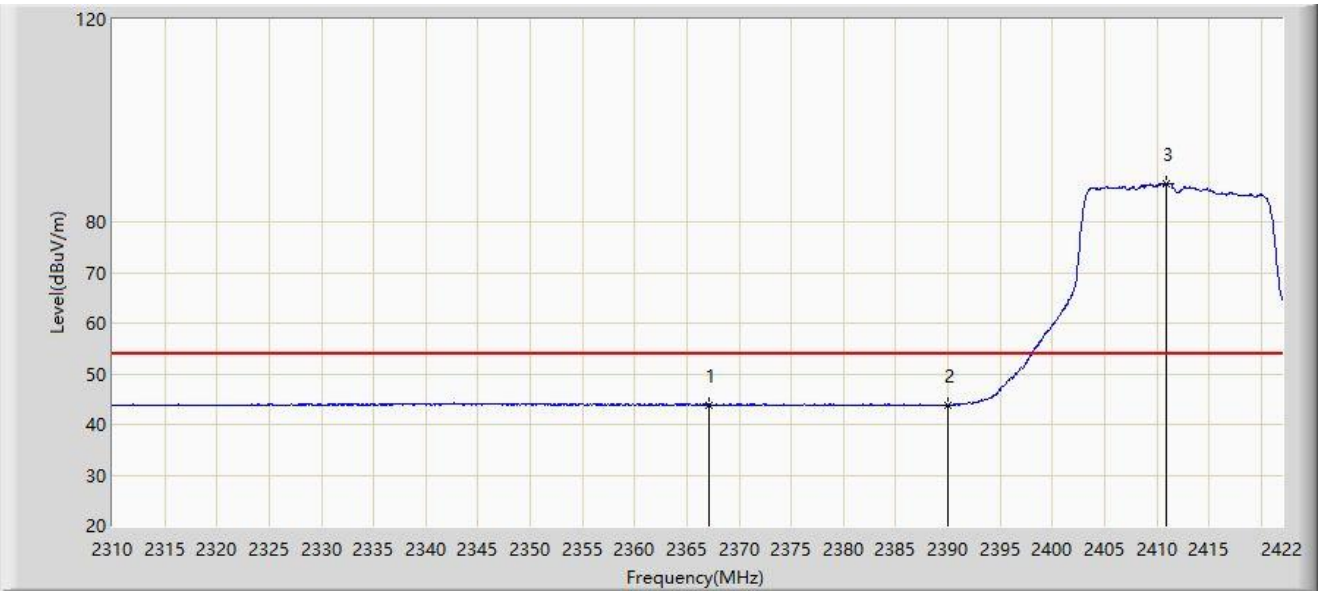



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2387.784 | 57.130 | 26.225 | -16.870 | 74.000 | 30.905 | PK |
| 2 | | | 2390.000 | 54.276 | 23.373 | -19.724 | 74.000 | 30.903 | PK |
| 3 | | * | 2407.384 | 94.855 | 63.896 | N/A | N/A | 30.959 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:18 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz | |

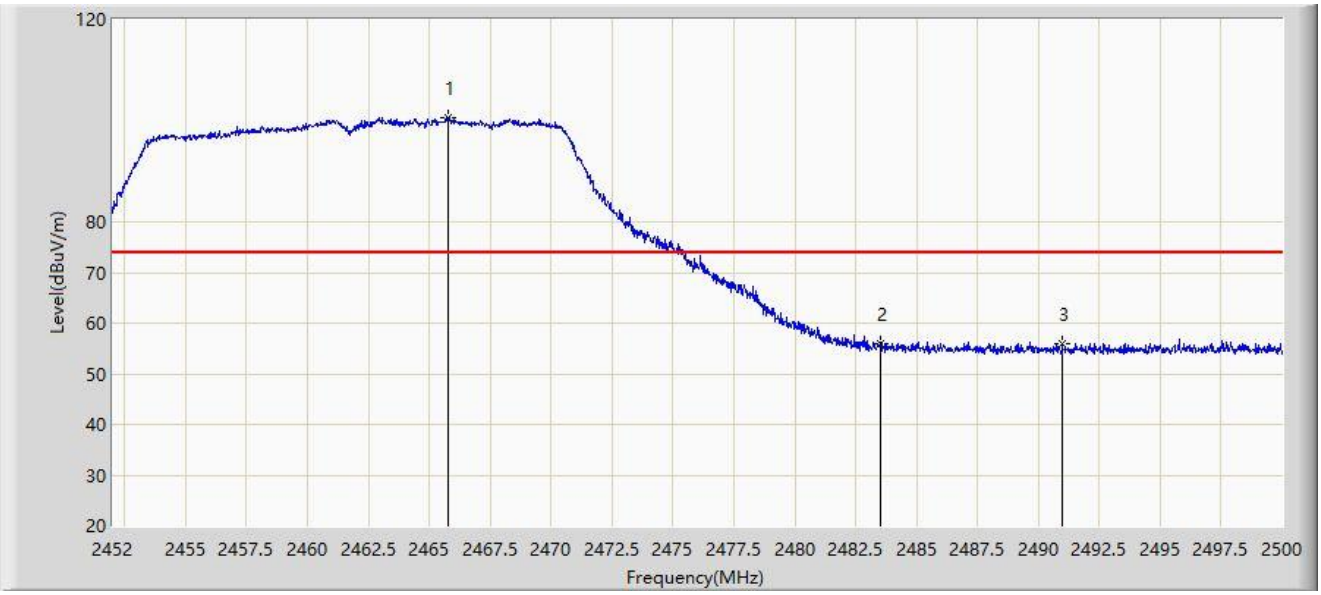



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2367.064 | 43.877 | 12.920 | -10.123 | 54.000 | 30.958 | AV |
| 2 | | | 2390.000 | 43.797 | 12.894 | -10.203 | 54.000 | 30.903 | AV |
| 3 | | * | 2410.856 | 87.563 | 56.588 | N/A | N/A | 30.975 | AV |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:19 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz | |

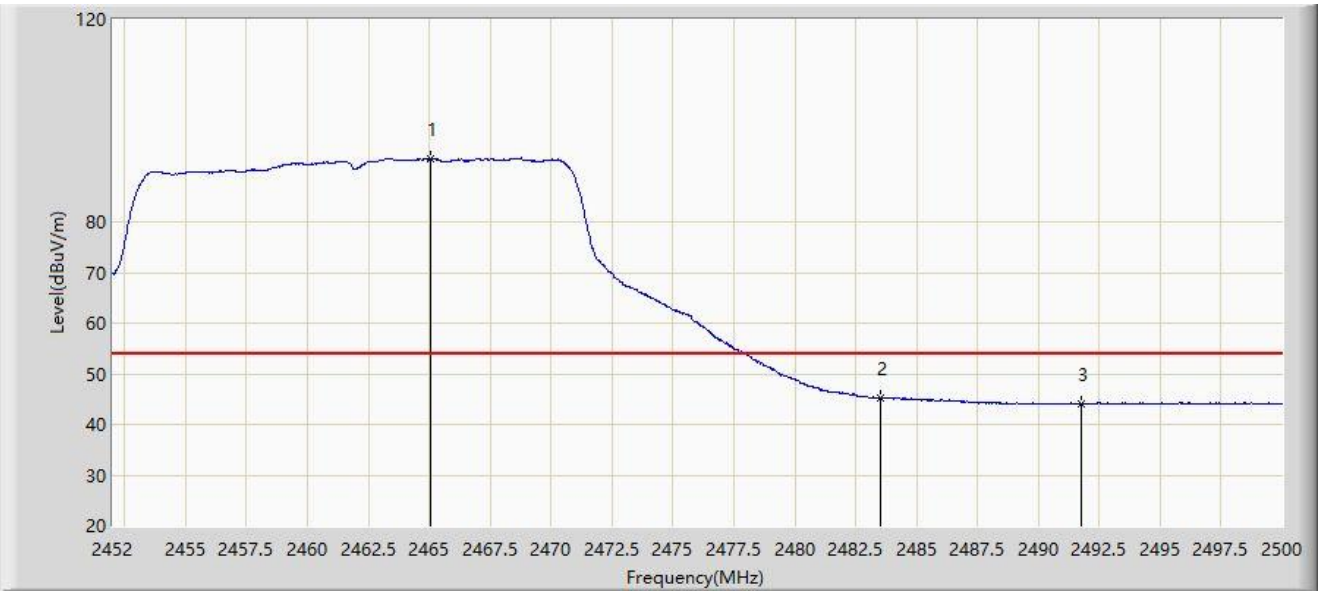



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2465.800 | 100.624 | 69.748 | N/A | N/A | 30.876 | PK |
| 2 | | | 2483.500 | 55.886 | 24.997 | -18.114 | 74.000 | 30.889 | PK |
| 3 | | | 2490.976 | 55.929 | 25.003 | -18.071 | 74.000 | 30.926 | PK |

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:22 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Horizontal |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz | |

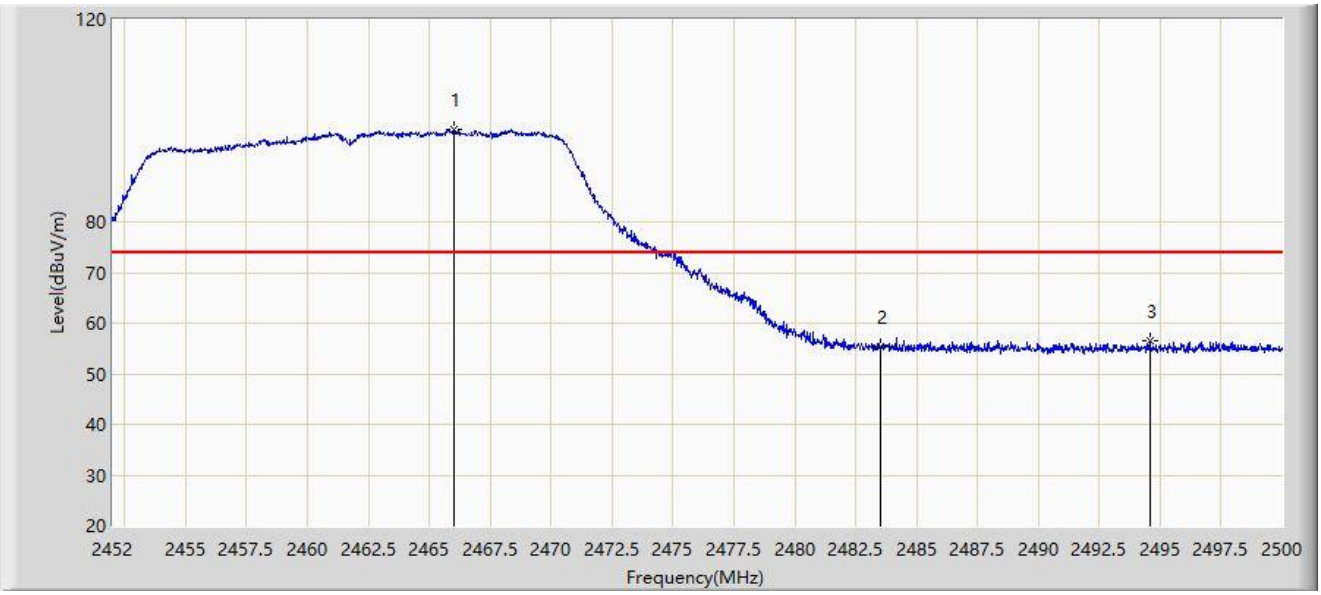



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2465.056 | 92.559 | 61.683 | N/A | N/A | 30.876 | AV |
| 2 | | | 2483.500 | 45.139 | 14.250 | -8.861 | 54.000 | 30.889 | AV |
| 3 | | | 2491.768 | 44.152 | 13.222 | -9.848 | 54.000 | 30.930 | AV |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:23 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz | |

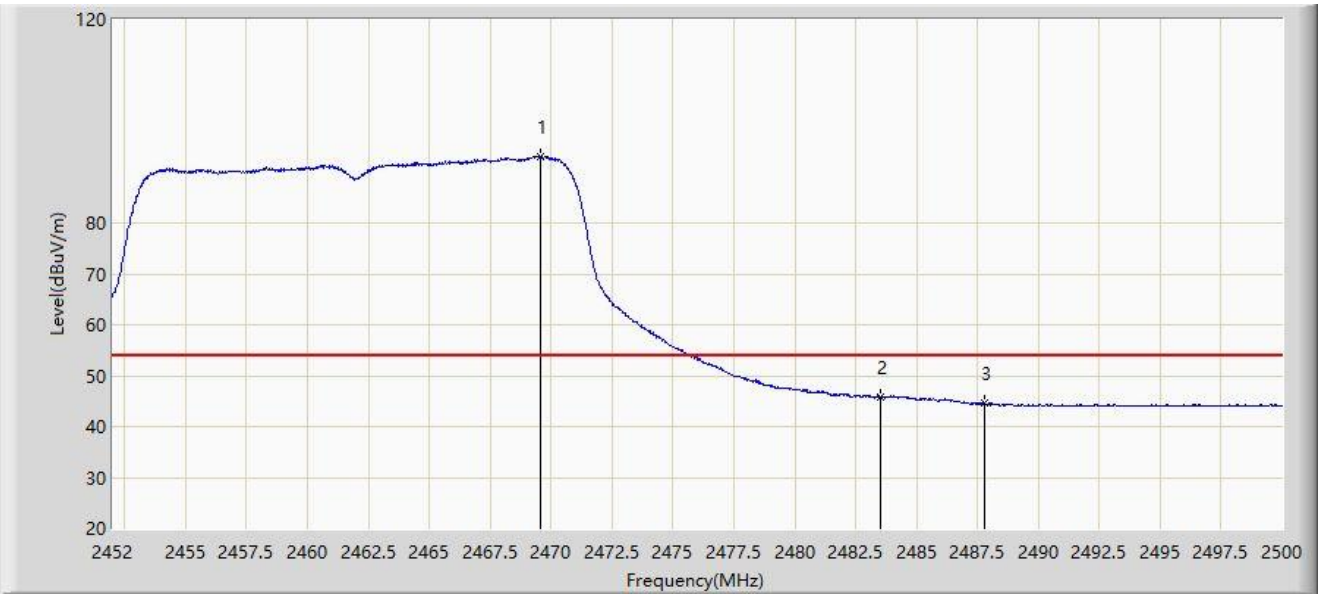



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2466.040 | 98.303 | 67.427 | N/A | N/A | 30.876 | PK |
| 2 | | | 2483.500 | 55.414 | 24.525 | -18.586 | 74.000 | 30.889 | PK |
| 3 | | | 2494.576 | 56.577 | 25.633 | -17.423 | 74.000 | 30.944 | PK |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

| | |
|---|---|
| Site: NS-AC1 | Time: 2021/12/18 - 15:25 |
| Limit: FCC_Part 15.209_RE(3m) | Engineer: Dillon Diao |
| Probe: NS-AC1_BBHA9120D | Polarity: Vertical |
| EUT: Mobile Computer | Power: By Battery |
| Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz | |



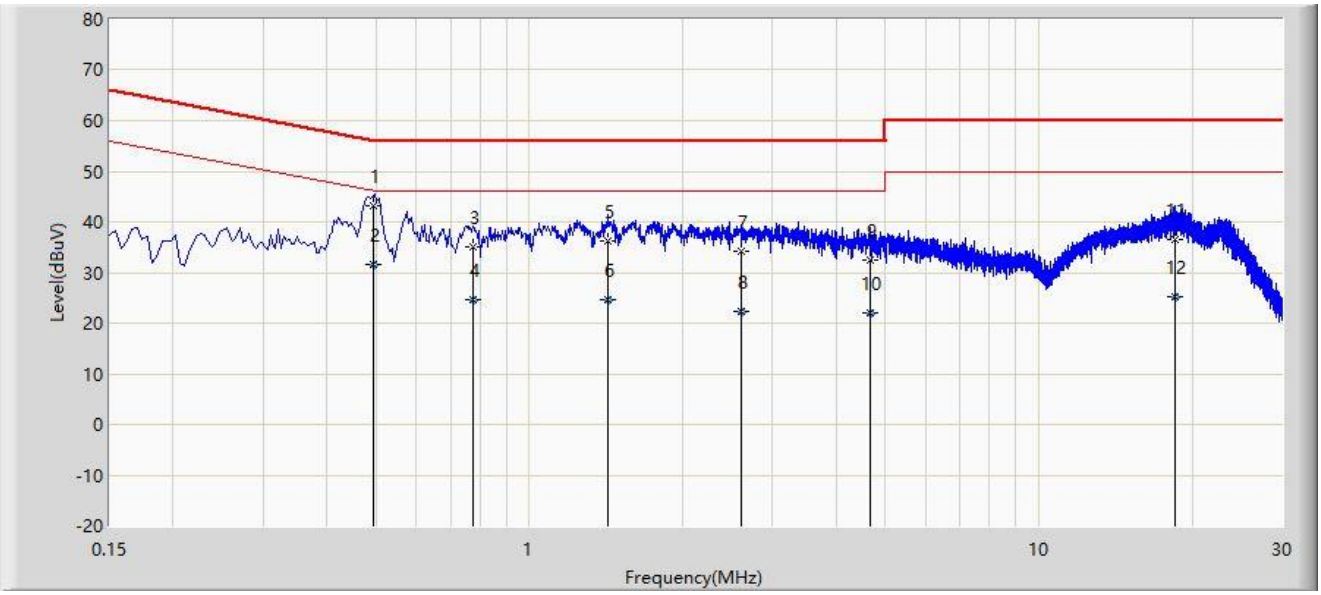

| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2469.592 | 93.150 | 62.277 | N/A | N/A | 30.873 | AV |
| 2 | | | 2483.500 | 45.920 | 15.031 | -8.080 | 54.000 | 30.889 | AV |
| 3 | | | 2487.808 | 44.539 | 13.629 | -9.461 | 54.000 | 30.910 | AV |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

### A.8 AC Conducted Emissions Test Result

| | |
|---|---|
| Site: NS-SR2 | Time: 2021/12/27 |
| Limit: FCC_Part15.207_CE_AC Power | Engineer: Summer Tang |
| Probe: ENV216_102493_150KHz~30MHz-C | Polarity: Line |
| EUT: Mobile Computer | Power: AC 120V/60Hz |
| **Test Mode**: Transmit by n-HT20 at channel 2412MHz | |

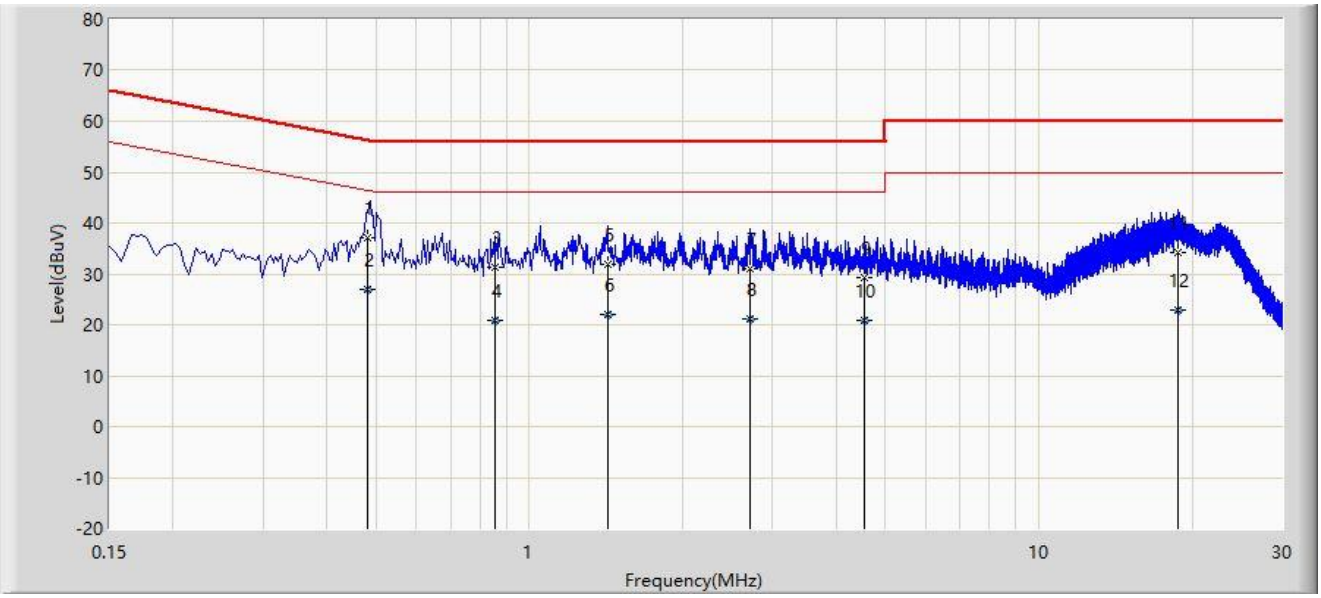



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 0.494 | 43.229 | 33.522 | -12.878 | 56.107 | 9.707 | QP |
| 2 | | | 0.494 | 31.528 | 21.820 | -14.579 | 46.107 | 9.707 | AV |
| 3 | | | 0.774 | 35.154 | 25.433 | -20.846 | 56.000 | 9.721 | QP |
| 4 | | | 0.774 | 24.637 | 14.916 | -21.363 | 46.000 | 9.721 | AV |
| 5 | | | 1.422 | 36.181 | 26.430 | -19.819 | 56.000 | 9.751 | QP |
| 6 | | | 1.422 | 24.537 | 14.786 | -21.463 | 46.000 | 9.751 | AV |
| 7 | | | 2.606 | 34.128 | 24.330 | -21.872 | 56.000 | 9.798 | QP |
| 8 | | | 2.606 | 22.300 | 12.501 | -23.700 | 46.000 | 9.798 | AV |
| 9 | | | 4.666 | 32.593 | 22.725 | -23.407 | 56.000 | 9.868 | QP |
| 10 | | | 4.666 | 22.073 | 12.205 | -23.927 | 46.000 | 9.868 | AV |
| 11 | | | 18.542 | 36.631 | 26.216 | -23.369 | 60.000 | 10.414 | QP |
| 12 | | | 18.542 | 25.117 | 14.703 | -24.883 | 50.000 | 10.414 | AV |

Note: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

| | |
|---|---|
| Site: NS-SR2 | Time: 2021/12/27 - 19:51 |
| Limit: FCC_Part15.207_CE_AC Power | Engineer: Summer Tang |
| Probe: ENV216_102493_150KHz~30MHz-C | Polarity: Neutral |
| EUT: Mobile Computer | Power: AC 120V/60Hz |
| **Test Mode**: Transmit by n-HT20 at channel 2412MHz | |




| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 0.482 | 37.107 | 27.446 | -19.205 | 56.312 | 9.661 | QP |
| 2 | | | 0.482 | 26.905 | 17.244 | -19.407 | 46.312 | 9.661 | AV |
| 3 | | | 0.858 | 31.302 | 21.597 | -24.698 | 56.000 | 9.705 | QP |
| 4 | | | 0.858 | 20.748 | 11.043 | -25.252 | 46.000 | 9.705 | AV |
| 5 | | | 1.422 | 31.775 | 22.049 | -24.225 | 56.000 | 9.726 | QP |
| 6 | | | 1.422 | 21.943 | 12.217 | -24.057 | 46.000 | 9.726 | AV |
| 7 | | | 2.702 | 30.952 | 21.175 | -25.048 | 56.000 | 9.776 | QP |
| 8 | | | 2.702 | 21.066 | 11.289 | -24.934 | 46.000 | 9.776 | AV |
| 9 | | | 4.558 | 29.283 | 19.440 | -26.717 | 56.000 | 9.844 | QP |
| 10 | | | 4.558 | 20.907 | 11.064 | -25.093 | 46.000 | 9.844 | AV |
| 11 | | | 18.730 | 34.330 | 23.814 | -25.670 | 60.000 | 10.516 | QP |
| 12 | | | 18.730 | 22.870 | 12.354 | -27.130 | 50.000 | 10.516 | AV |

Note: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

## Appendix B – Test Setup Photograph

Refer to “2111RSU064-UT” file.

## Appendix C – EUT Photograph

Refer to “2111RSU064-UE” file.

The End