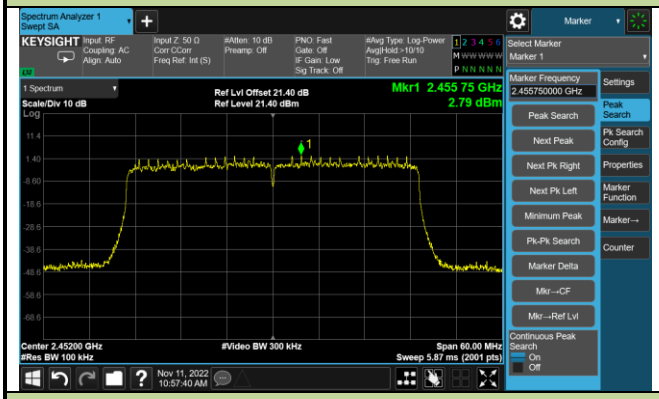
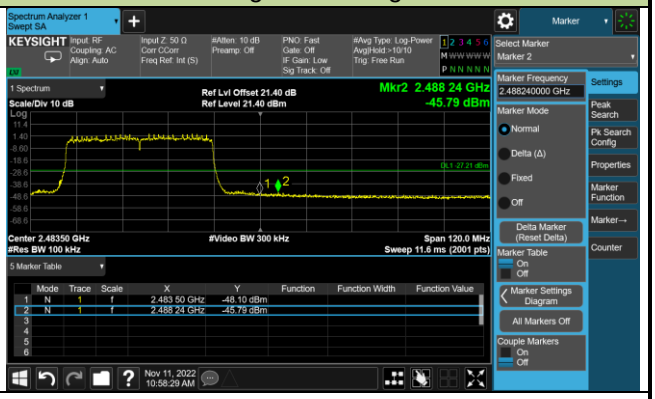
| 802.11ax-HE40 Out-of-Band Emissions – Ant 3 | |
|---|---|
| Channel 09 (2452MHz) | |
| 100kHz PSD Reference Level | High Band Edge |
|  |  |
| Spurious Emission | |
|  | |

### A.6 Radiated Spurious Emission Test Result

| | | | |
|---|---|---|---|
| Test Site | SIP-AC2 | Test Engineer | Barry Wu |
| Test Date | 2022-09-18 | 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 | 4825.0 | 53.3 | -5.9 | 47.4 | 74.0 | -26.6 | Peak | Horizontal |
| | 4825.0 | 51.0 | -5.9 | 45.1 | 54.0 | -8.9 | Average | Horizontal |
| | 11565.5 | 40.8 | 8.5 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| | 15645.5 | 37.9 | 10.0 | 47.9 | 74.0 | -26.1 | Peak | Horizontal |
| | 4000.5 | 54.0 | -7.6 | 46.4 | 74.0 | -27.6 | Peak | Vertical |
| | 4825.0 | 56.9 | -5.9 | 51.0 | 74.0 | -23.0 | Peak | Vertical |
| | 4825.0 | 56.8 | -5.9 | 50.9 | 54.0 | -3.1 | Average | Vertical |
| | 11455.0 | 40.2 | 8.4 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| 06 | 4876.0 | 54.3 | -5.6 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| | 4876.0 | 53.9 | -5.6 | 48.3 | 54.0 | -5.7 | Average | Horizontal |
| | 11480.5 | 40.2 | 8.7 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| | 4000.5 | 52.4 | -7.6 | 44.8 | 74.0 | -29.2 | Peak | Horizontal |
| | 4000.5 | 52.4 | -7.6 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 4876.0 | 58.8 | -5.6 | 53.2 | 74.0 | -20.8 | Peak | Vertical |
| | 4876.0 | 57.3 | -5.6 | 51.7 | 54.0 | -2.3 | Average | Vertical |
| | 11497.5 | 40.6 | 8.8 | 49.4 | 74.0 | -24.6 | Peak | Vertical |
| 11 | 4927.0 | 57.7 | -5.5 | 52.2 | 74.0 | -21.8 | Peak | Horizontal |
| | 4927.0 | 57.2 | -5.5 | 51.7 | 54.0 | -2.3 | Average | Horizontal |
| | 7460.0 | 41.9 | 2.5 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| | 11472.0 | 40.0 | 8.6 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| | 4000.5 | 53.3 | -7.6 | 45.7 | 74.0 | -28.3 | Peak | Vertical |
| | 4927.0 | 60.1 | -5.5 | 54.6 | 74.0 | -19.4 | Peak | Vertical |
| | 4927.0 | 59.3 | -5.5 | 53.8 | 54.0 | -0.2 | Average | Vertical |
| | 11438.0 | 40.0 | 8.3 | 48.3 | 74.0 | -25.7 | 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 | SIP-AC2 | Test Engineer | Barry Wu |
|---|---|---|---|
| Test Date | 2022-09-18 | 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 | 5071.5 | 44.5 | -4.9 | 39.6 | 74.0 | -34.4 | Peak | Horizontal |
| | 7579.0 | 43.7 | 1.5 | 45.2 | 74.0 | -28.8 | Peak | Horizontal |
| | 11582.5 | 40.9 | 8.5 | 49.4 | 74.0 | -24.6 | Peak | Horizontal |
| | 4000.5 | 52.9 | -7.6 | 45.3 | 74.0 | -28.7 | Peak | Vertical |
| | 7358.0 | 42.9 | 1.7 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 11599.5 | 41.1 | 8.2 | 49.3 | 74.0 | -24.7 | Peak | Vertical |
| 06 | 4876.0 | 49.0 | -5.6 | 43.4 | 74.0 | -30.6 | Peak | Horizontal |
| | 7358.0 | 42.6 | 1.7 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 11506.0 | 39.5 | 8.9 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| | 4876.0 | 52.2 | -5.6 | 46.6 | 74.0 | -27.4 | Peak | Vertical |
| | 4876.0 | 42.7 | -5.6 | 37.1 | 54.0 | -16.9 | Average | Vertical |
| | 8157.0 | 41.4 | 3.4 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 11582.5 | 40.4 | 8.5 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| 11 | 4927.0 | 47.4 | -5.5 | 41.9 | 74.0 | -32.1 | Peak | Horizontal |
| | 7536.5 | 42.6 | 1.6 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 11514.5 | 40.6 | 8.7 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| | 4000.5 | 52.0 | -7.6 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| | 4927.0 | 49.2 | -5.5 | 43.7 | 74.0 | -30.3 | Peak | Vertical |
| | 10817.5 | 41.5 | 7.2 | 48.7 | 74.0 | -25.3 | 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 | SIP-AC2 | Test Engineer | Barry Wu |
|---|---|---|---|
| Test Date | 2022-09-18 | 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 | 4961.0 | 44.3 | -5.2 | 39.1 | 74.0 | -34.9 | Peak | Horizontal |
| | 7451.5 | 41.8 | 2.4 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 11013.0 | 41.9 | 7.4 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| | 4000.5 | 52.8 | -7.6 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| | 7434.5 | 42.6 | 2.3 | 44.9 | 74.0 | -29.1 | Peak | Vertical |
| | 11540.0 | 40.6 | 8.2 | 48.8 | 74.0 | -25.2 | Peak | Vertical |
| 06 | 4876.0 | 48.5 | -5.6 | 42.9 | 74.0 | -31.1 | Peak | Horizontal |
| | 7451.5 | 42.1 | 2.4 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 11531.5 | 40.9 | 8.4 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| | 4000.5 | 52.1 | -7.6 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| | 4867.5 | 51.2 | -5.5 | 45.7 | 74.0 | -28.3 | Peak | Vertical |
| | 12058.5 | 40.7 | 7.9 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| 11 | 4927.0 | 45.8 | -5.5 | 40.3 | 74.0 | -33.7 | Peak | Horizontal |
| | 7443.0 | 42.2 | 2.4 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 11489.0 | 40.3 | 8.7 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| | 4000.5 | 52.3 | -7.6 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 4927.0 | 48.8 | -5.5 | 43.3 | 74.0 | -30.7 | Peak | Vertical |
| | 11489.0 | 40.4 | 8.7 | 49.1 | 74.0 | -24.9 | 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 | SIP-AC2 | Test Engineer | Barry Wu |
|---|---|---|---|
| Test Date | 2022-09-18 | Test Mode: | 802.11n-HT40 |
| 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 |
|---|---|---|---|---|---|---|---|---|
| 03 | 5037.5 | 44.4 | -4.8 | 39.6 | 74.0 | -34.4 | Peak | Horizontal |
| | 7434.5 | 42.7 | 2.3 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 11455.0 | 40.4 | 8.4 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| | 4000.5 | 53.3 | -7.6 | 45.7 | 74.0 | -28.3 | Peak | Vertical |
| | 4859.0 | 44.3 | -5.3 | 39.0 | 74.0 | -35.0 | Peak | Vertical |
| | 11030.0 | 41.3 | 7.6 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| 06 | 4867.5 | 44.5 | -5.5 | 39.0 | 74.0 | -35.0 | Peak | Horizontal |
| | 7485.5 | 41.6 | 2.2 | 43.8 | 74.0 | -30.2 | Peak | Horizontal |
| | 10800.5 | 41.5 | 7.1 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| | 4000.5 | 52.7 | -7.6 | 45.1 | 74.0 | -28.9 | Peak | Vertical |
| | 7511.0 | 42.8 | 1.9 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 11497.5 | 40.4 | 8.8 | 49.2 | 74.0 | -24.8 | Peak | Vertical |
| 09 | 4000.5 | 47.1 | -7.6 | 39.5 | 74.0 | -34.5 | Peak | Horizontal |
| | 7358.0 | 42.5 | 1.7 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 11497.5 | 40.3 | 8.8 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| | 4000.5 | 52.0 | -7.6 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| | 7264.5 | 43.1 | 1.6 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 10996.0 | 41.2 | 7.5 | 48.7 | 74.0 | -25.3 | 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 | SIP-AC2 | Test Engineer | Barry Wu |
|---|---|---|---|
| Test Date | 2022-09-18 | Test Mode: | 802.11ax-HE20 |
| 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 | 4000.5 | 49.2 | -7.6 | 41.6 | 74.0 | -32.4 | Peak | Horizontal |
| | 7477.0 | 41.7 | 2.4 | 44.1 | 74.0 | -29.9 | Peak | Horizontal |
| | 11531.5 | 39.6 | 8.4 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| | 4000.5 | 52.4 | -7.6 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 8123.0 | 42.1 | 3.1 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| | 10826.0 | 41.7 | 7.2 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| 06 | 4876.0 | 46.5 | -5.6 | 40.9 | 74.0 | -33.1 | Peak | Horizontal |
| | 7451.5 | 42.1 | 2.4 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 11038.5 | 40.7 | 7.8 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| | 4000.5 | 52.9 | -7.6 | 45.3 | 74.0 | -28.7 | Peak | Vertical |
| | 4876.0 | 49.7 | -5.6 | 44.1 | 74.0 | -29.9 | Peak | Vertical |
| | 11565.5 | 40.5 | 8.5 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| 11 | 4927.0 | 46.8 | -5.5 | 41.3 | 74.0 | -32.7 | Peak | Horizontal |
| | 7502.5 | 42.2 | 2.0 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 11489.0 | 39.5 | 8.7 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| | 4000.5 | 53.1 | -7.6 | 45.5 | 74.0 | -28.5 | Peak | Vertical |
| | 4927.0 | 49.1 | -5.5 | 43.6 | 74.0 | -30.4 | Peak | Vertical |
| | 11021.5 | 41.2 | 7.5 | 48.7 | 74.0 | -25.3 | 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 | SIP-AC2 | Test Engineer | Barry Wu |
|---|---|---|---|
| Test Date | 2022-09-18 | Test Mode: | 802.11ax-HE40 |
| 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. | | |

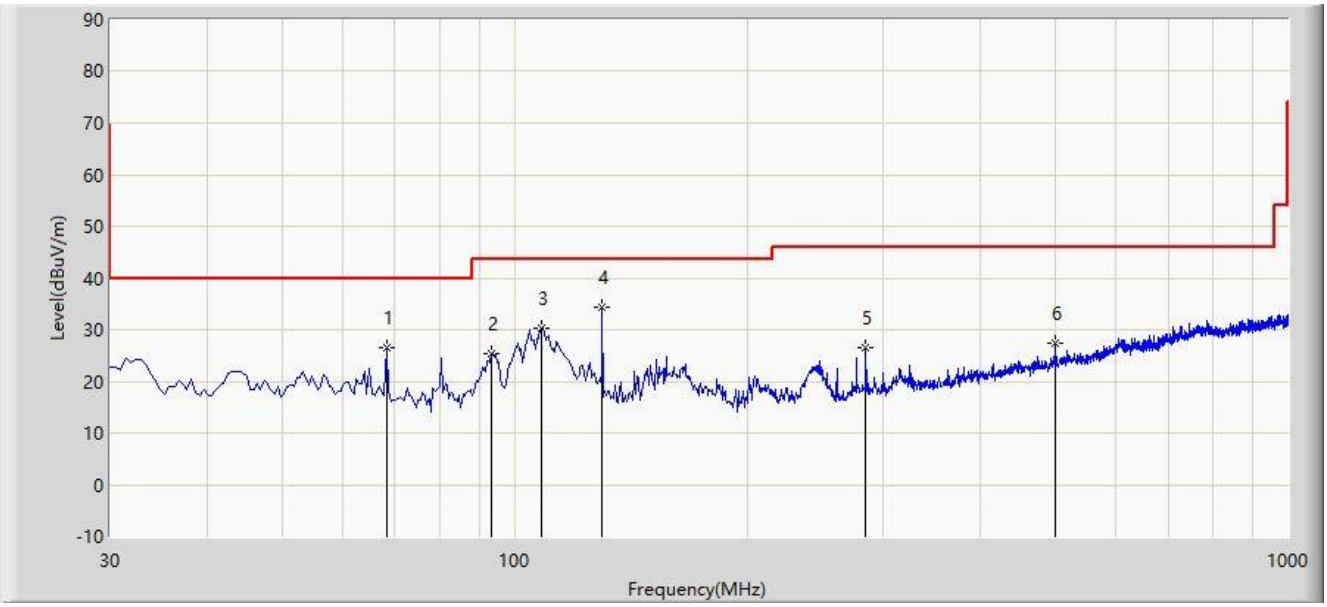
| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| 03 | 5003.5 | 43.9 | -5.2 | 38.7 | 74.0 | -35.3 | Peak | Horizontal |
| | 7434.5 | 41.9 | 2.3 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 11378.5 | 41.1 | 8.0 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| | 4000.5 | 53.4 | -7.6 | 45.8 | 74.0 | -28.2 | Peak | Vertical |
| | 4893.0 | 45.0 | -5.4 | 39.6 | 74.0 | -34.4 | Peak | Vertical |
| | 11421.0 | 39.6 | 8.4 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| 06 | 4000.5 | 47.8 | -7.6 | 40.2 | 74.0 | -33.8 | Peak | Horizontal |
| | 7519.5 | 42.2 | 1.8 | 44.0 | 74.0 | -30.0 | Peak | Horizontal |
| | 11497.5 | 39.7 | 8.8 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| | 4000.5 | 52.2 | -7.6 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 7468.5 | 42.0 | 2.4 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| | 11412.5 | 40.0 | 8.3 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| 09 | 4782.5 | 44.0 | -5.3 | 38.7 | 74.0 | -35.3 | Peak | Horizontal |
| | 7553.5 | 42.4 | 1.6 | 44.0 | 74.0 | -30.0 | Peak | Horizontal |
| | 11489.0 | 39.7 | 8.7 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| | 4000.5 | 52.9 | -7.6 | 45.3 | 74.0 | -28.7 | Peak | Vertical |
| | 4910.0 | 46.2 | -5.6 | 40.6 | 74.0 | -33.4 | Peak | Vertical |
| | 10851.5 | 41.6 | 7.6 | 49.2 | 74.0 | -24.8 | 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)

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

| | |
|---|---|
| Site: SIP-AC2 | Test Date: 2022-11-15 |
| Limit: FCC_Part15.209_RSE(3m) | Engineer: Wayne Wang |
| Probe: VULB 9168_00999_25-2000MHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| **Test Mode:** Transmit by 802.11b at 2437MHz | |




| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 68.315 | 26.645 | 9.596 | -13.355 | 40.000 | 17.048 | PK |
| 2 | | 93.535 | 25.289 | 12.517 | -18.211 | 43.500 | 12.772 | PK |
| 3 | | 108.570 | 30.248 | 15.237 | -13.252 | 43.500 | 15.011 | PK |
| 4 | * | 129.910 | 34.214 | 17.744 | -9.286 | 43.500 | 16.470 | PK |
| 5 | | 284.625 | 26.617 | 8.330 | -19.383 | 46.000 | 18.288 | PK |
| 6 | | 499.965 | 27.463 | 4.027 | -18.537 | 46.000 | 23.436 | PK |

Note 1: " * ", means this data is the worst emission level.

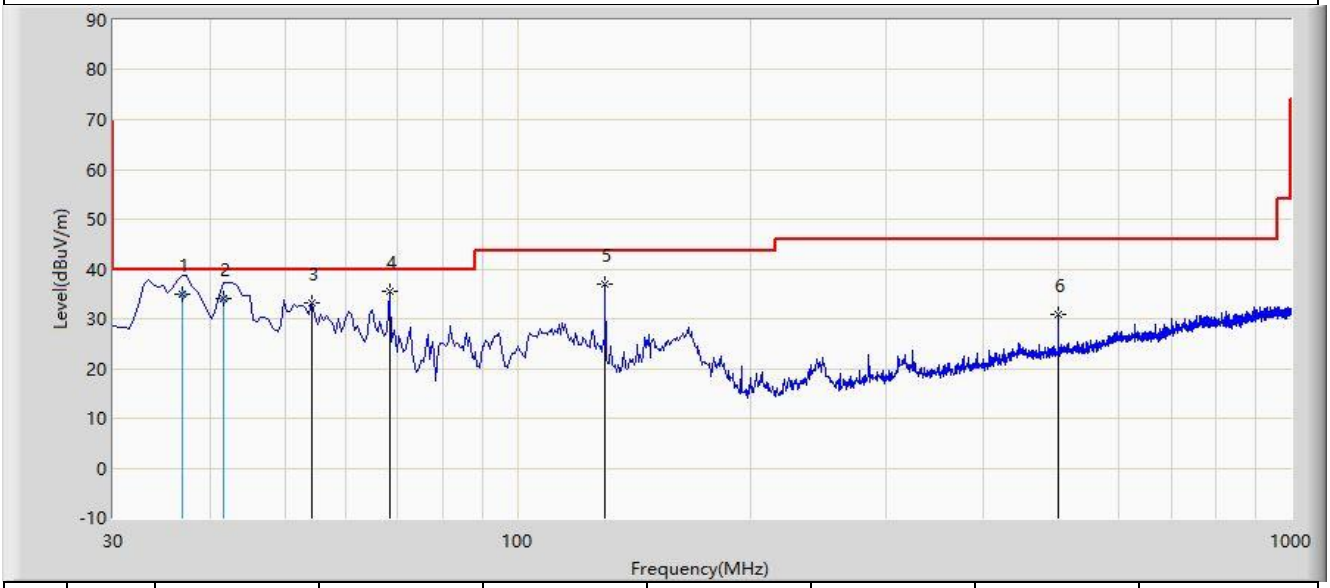
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: 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: SIP-AC2 | Test Date: 2022-11-15 |
| Limit: FCC_Part15.209_RSE(3m) | Engineer: Wayne Wang |
| Probe: VULB 9168_00999_25-2000MHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| **Test Mode:** Transmit by 802.11b at 2437MHz | |




| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 36.790 | 34.891 | 17.560 | -5.109 | 40.000 | 17.331 | QP |
| 2 | | 41.640 | 34.145 | 16.200 | -5.855 | 40.000 | 17.945 | QP |
| 3 | | 54.250 | 33.165 | 14.814 | -6.835 | 40.000 | 18.351 | PK |
| 4 | * | 68.315 | 35.466 | 18.417 | -4.534 | 40.000 | 17.048 | PK |
| 5 | | 129.910 | 36.846 | 20.376 | -6.654 | 43.500 | 16.470 | PK |
| 6 | | 499.965 | 30.903 | 7.467 | -15.097 | 46.000 | 23.436 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

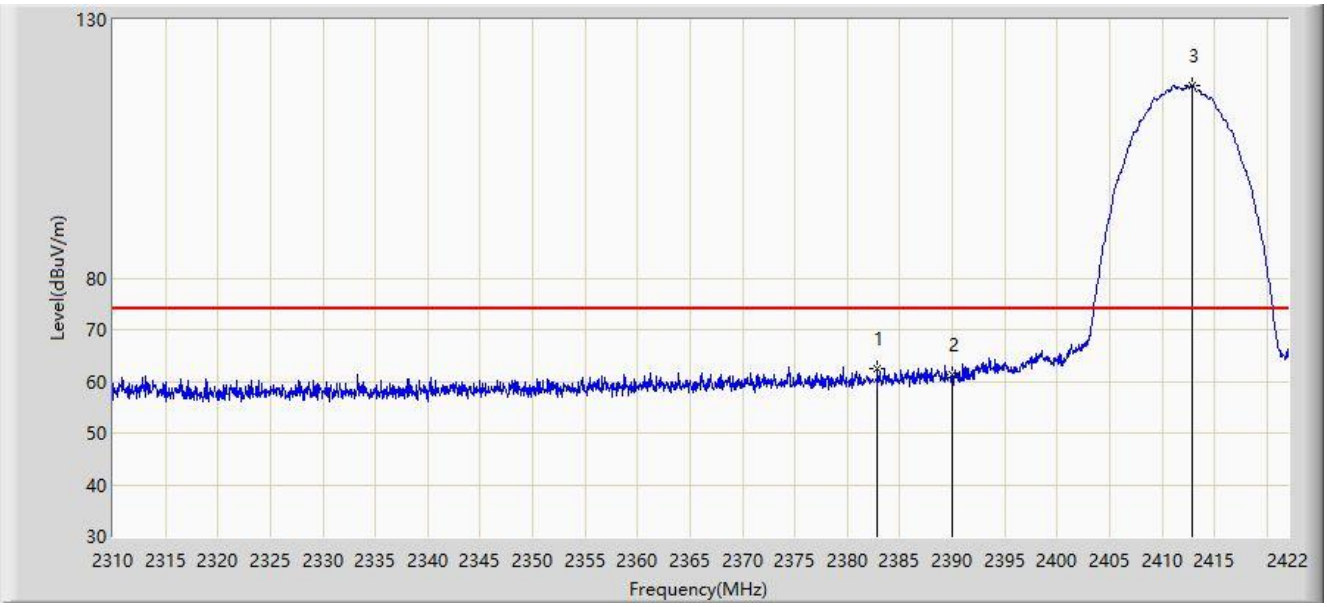
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: 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: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2412MHz | |



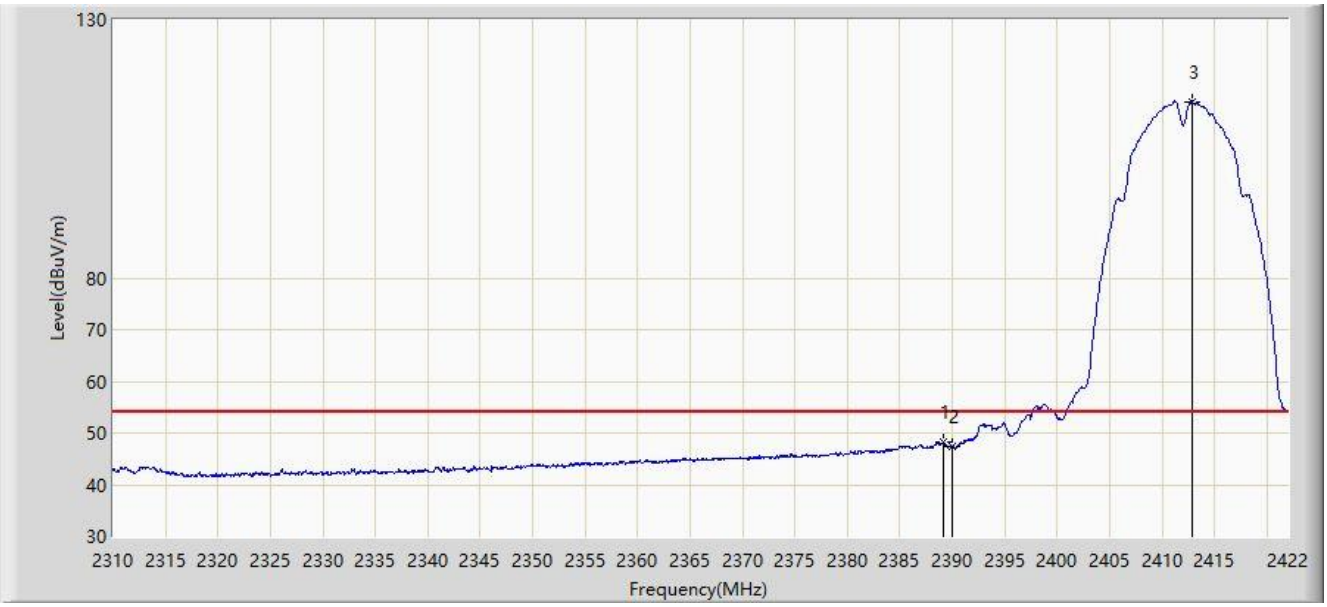

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2382.912 | 62.520 | 30.634 | -11.480 | 74.000 | 31.887 | PK |
| 2 | | 2390.000 | 61.263 | 29.334 | -12.737 | 74.000 | 31.929 | PK |
| 3 | | 2412.816 | 117.215 | 85.138 | N/A | N/A | 32.077 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2412MHz | |



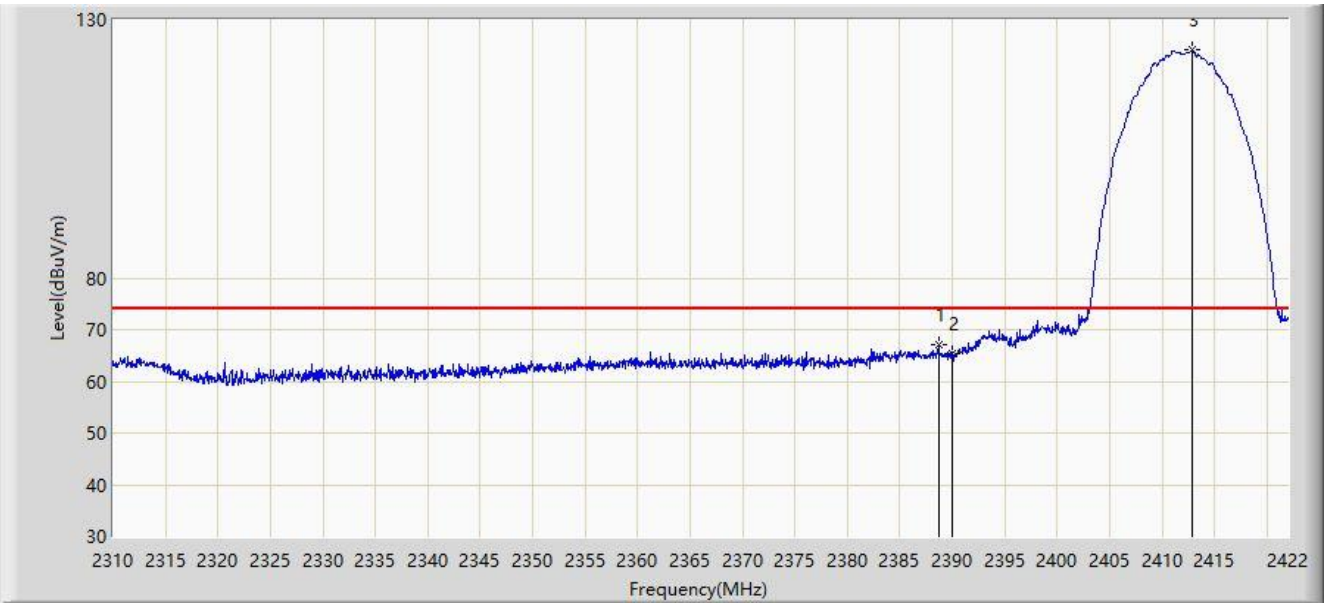

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.184 | 48.168 | 16.244 | -5.832 | 54.000 | 31.924 | AV |
| 2 | | 2390.000 | 47.392 | 15.463 | -6.608 | 54.000 | 31.929 | AV |
| 3 | | 2412.872 | 114.143 | 82.066 | N/A | N/A | 32.077 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2412MHz | |



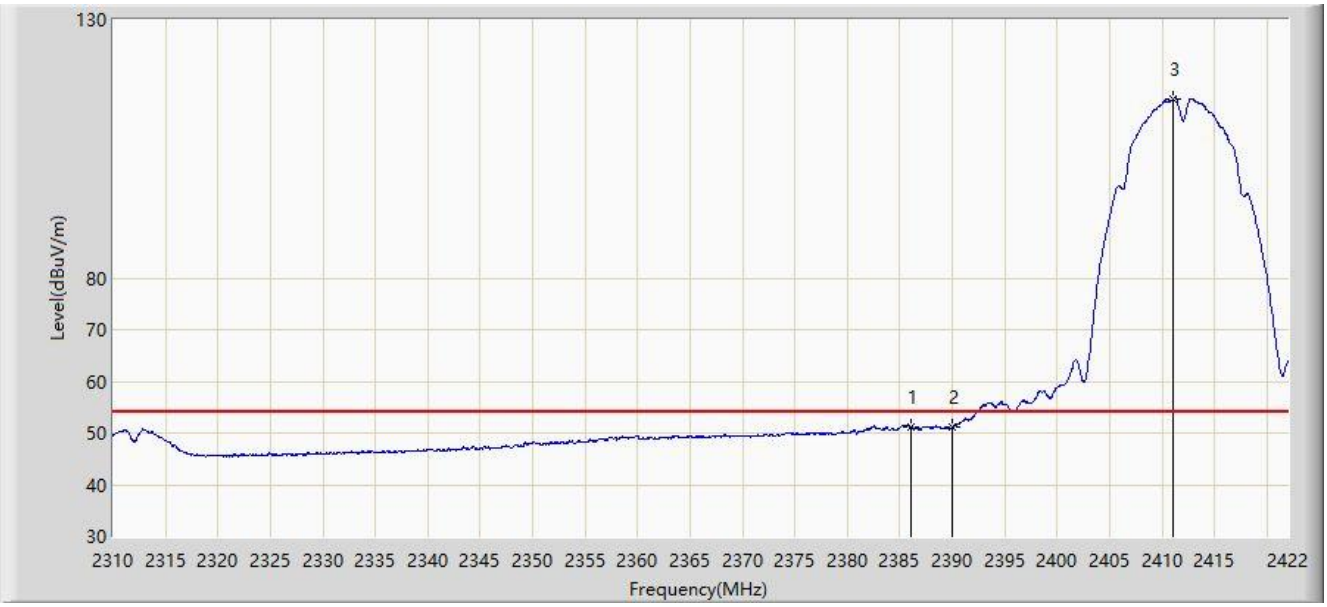

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2388.680 | 67.080 | 35.159 | -6.920 | 74.000 | 31.921 | PK |
| 2 | | 2390.000 | 65.435 | 33.506 | -8.565 | 74.000 | 31.929 | PK |
| 3 | | 2412.872 | 124.075 | 91.998 | N/A | N/A | 32.077 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2412MHz | |



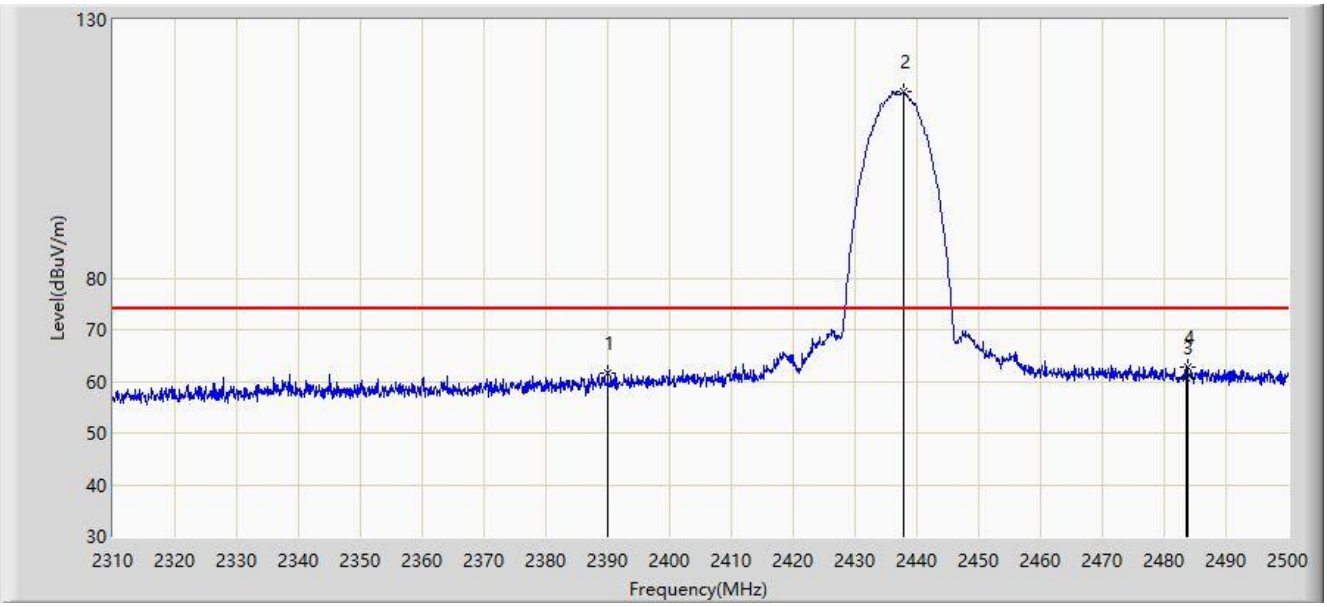

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2386.104 | 51.276 | 19.371 | -2.724 | 54.000 | 31.906 | AV |
| 2 | | 2390.000 | 51.057 | 19.128 | -2.943 | 54.000 | 31.929 | AV |
| 3 | | 2411.080 | 114.739 | 82.661 | N/A | N/A | 32.078 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2437MHz | |



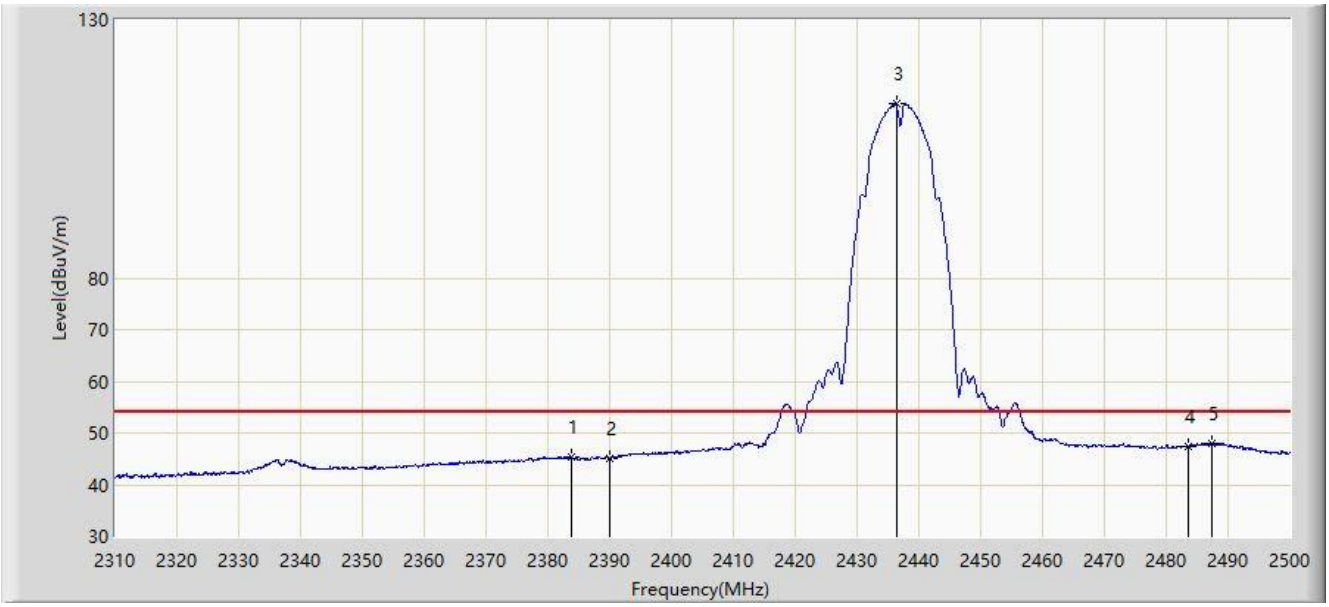

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2390.000 | 61.561 | 30.049 | -12.439 | 74.000 | 31.512 | PK |
| 2 | | 2437.870 | 116.151 | 84.419 | N/A | N/A | 31.732 | PK |
| 3 | | 2483.500 | 60.829 | 28.877 | -13.171 | 74.000 | 31.952 | PK |
| 4 | * | 2483.755 | 62.804 | 30.852 | -11.196 | 74.000 | 31.952 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2437MHz | |



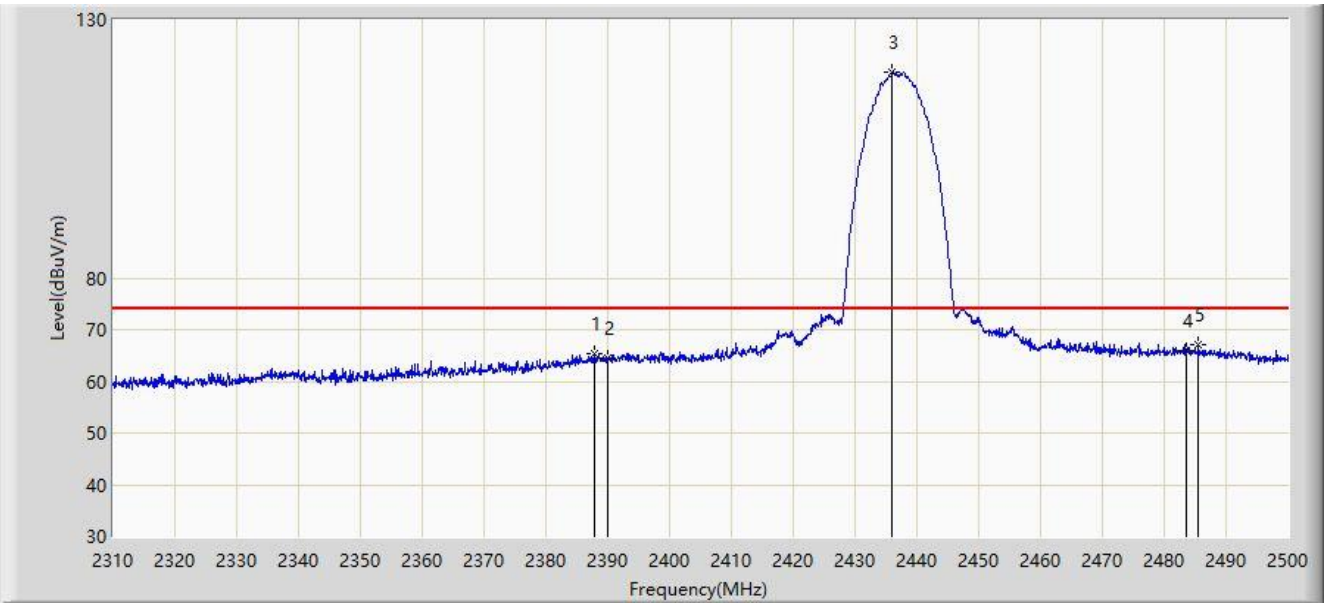

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2383.815 | 45.445 | 14.062 | -8.555 | 54.000 | 31.382 | AV |
| 2 | | 2390.000 | 45.068 | 13.556 | -8.932 | 54.000 | 31.512 | AV |
| 3 | | 2436.350 | 113.745 | 82.020 | N/A | N/A | 31.725 | AV |
| 4 | | 2483.500 | 47.461 | 15.509 | -6.539 | 54.000 | 31.952 | AV |
| 5 | * | 2487.460 | 47.857 | 15.898 | -6.143 | 54.000 | 31.959 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2437MHz | |



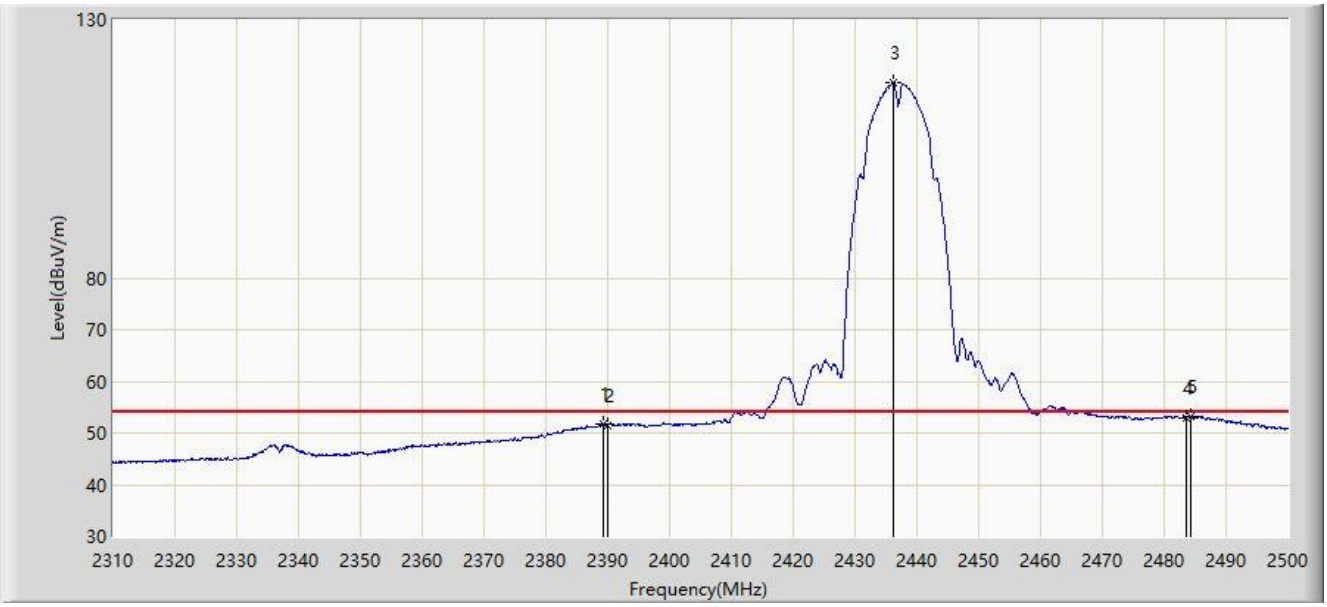

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2387.900 | 65.391 | 33.923 | -8.609 | 74.000 | 31.469 | PK |
| 2 | | 2390.000 | 64.519 | 33.007 | -9.481 | 74.000 | 31.512 | PK |
| 3 | | 2436.065 | 119.954 | 88.231 | N/A | N/A | 31.723 | PK |
| 4 | | 2483.500 | 66.003 | 34.051 | -7.997 | 74.000 | 31.952 | PK |
| 5 | * | 2485.560 | 67.078 | 35.122 | -6.922 | 74.000 | 31.956 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2437MHz | |



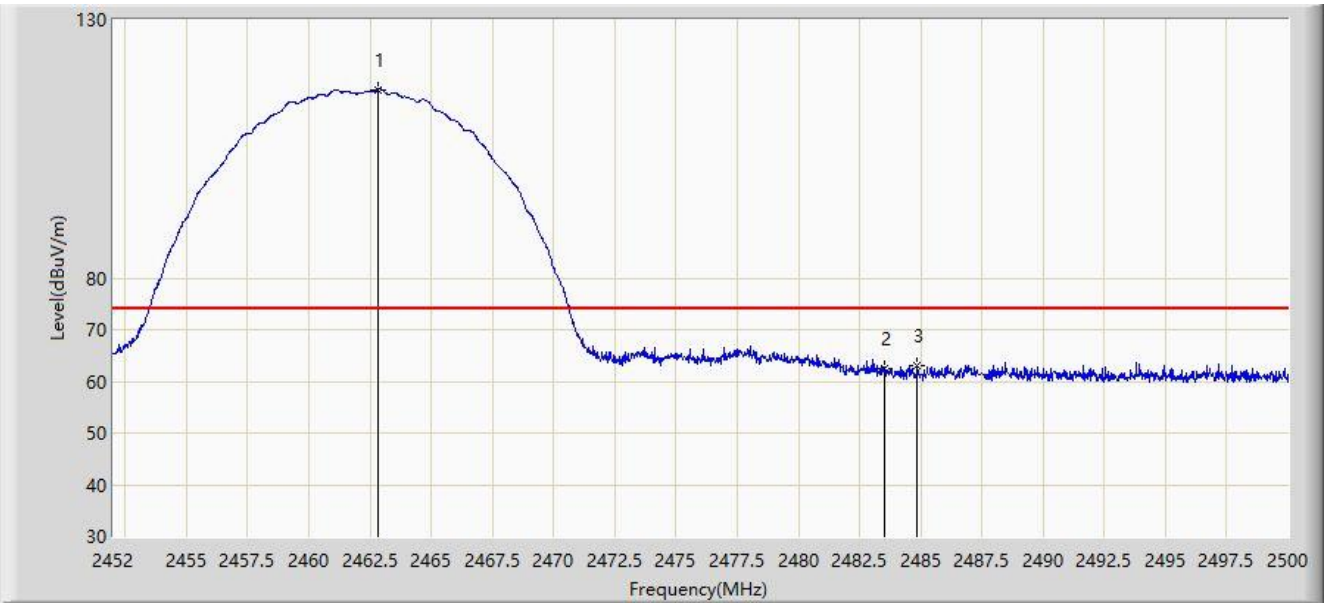

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2389.325 | 51.659 | 20.161 | -2.341 | 54.000 | 31.498 | AV |
| 2 | | 2390.000 | 51.543 | 20.031 | -2.457 | 54.000 | 31.512 | AV |
| 3 | | 2436.160 | 117.802 | 86.078 | N/A | N/A | 31.724 | AV |
| 4 | | 2483.500 | 52.974 | 21.022 | -1.026 | 54.000 | 31.952 | AV |
| 5 | * | 2484.230 | 53.271 | 21.318 | -0.729 | 54.000 | 31.953 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2462MHz | |



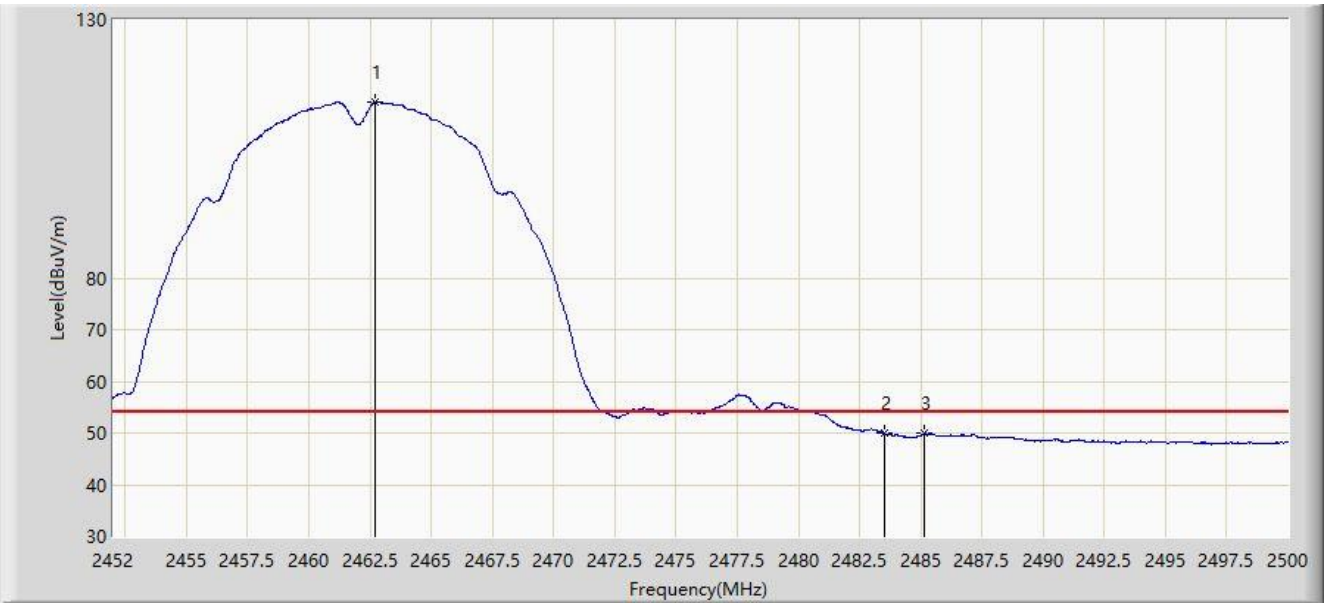

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2462.800 | 116.499 | 84.281 | N/A | N/A | 32.218 | PK |
| 2 | | 2483.500 | 62.424 | 30.119 | -11.576 | 74.000 | 32.305 | PK |
| 3 | * | 2484.856 | 63.151 | 30.839 | -10.849 | 74.000 | 32.312 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2462MHz | |



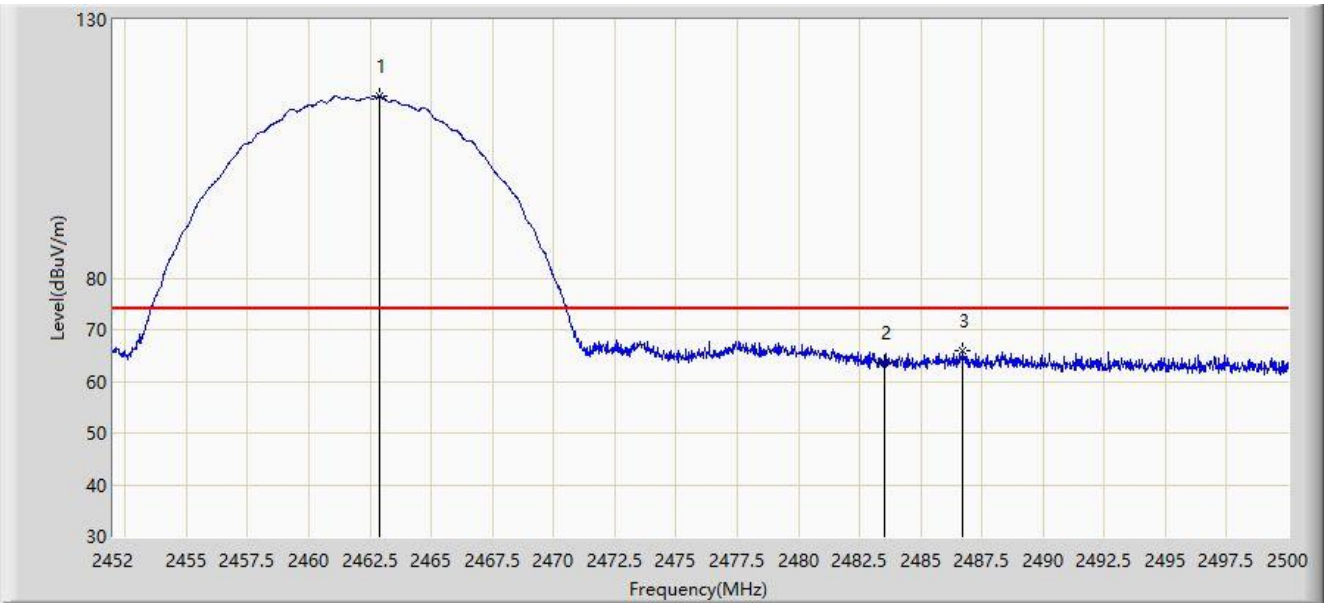

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2462.704 | 114.065 | 81.847 | N/A | N/A | 32.217 | AV |
| 2 | | 2483.500 | 49.924 | 17.619 | -4.076 | 54.000 | 32.305 | AV |
| 3 | * | 2485.168 | 49.955 | 17.641 | -4.045 | 54.000 | 32.313 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2462MHz | |



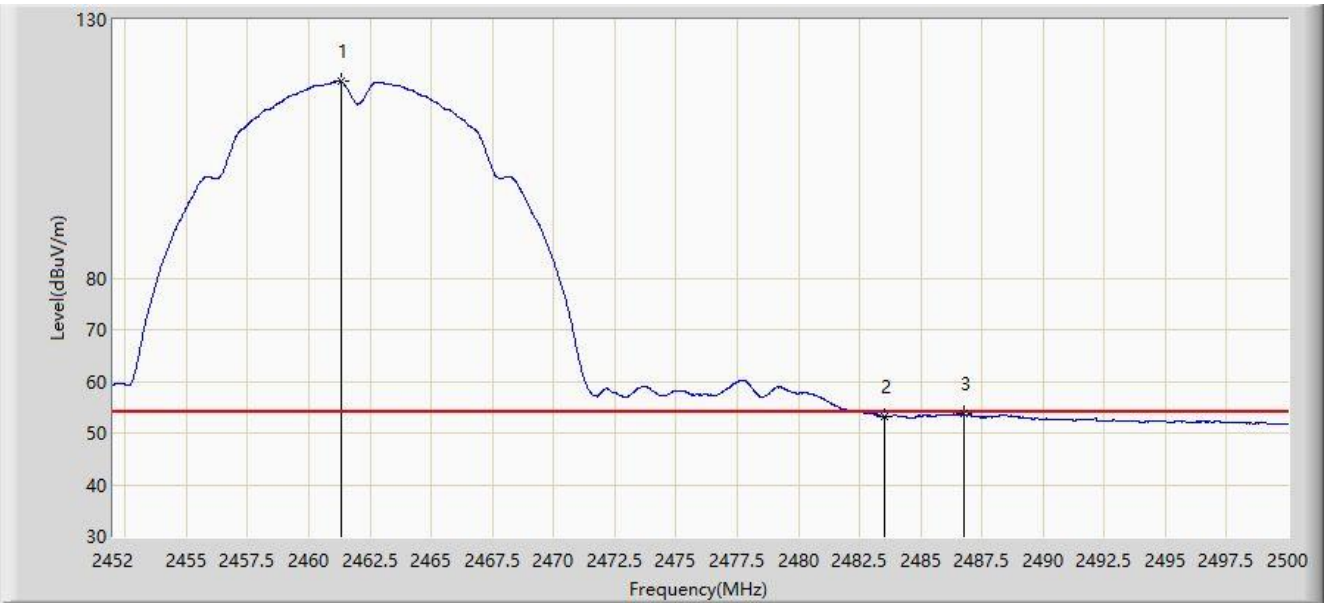

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2462.872 | 115.210 | 82.991 | N/A | N/A | 32.219 | PK |
| 2 | | 2483.500 | 63.512 | 31.207 | -10.488 | 74.000 | 32.305 | PK |
| 3 | * | 2486.728 | 66.054 | 33.733 | -7.946 | 74.000 | 32.321 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at 2462MHz | |



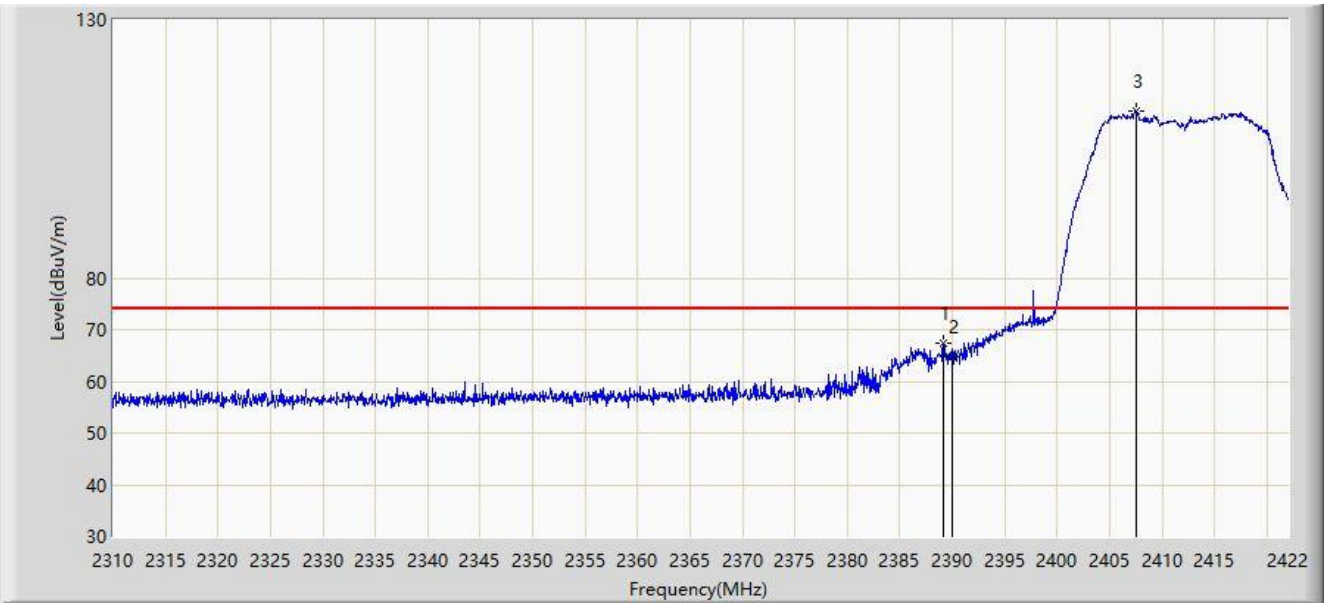

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2461.312 | 118.077 | 85.866 | N/A | N/A | 32.211 | AV |
| 2 | | 2483.500 | 53.211 | 20.906 | -0.789 | 54.000 | 32.305 | AV |
| 3 | * | 2486.752 | 53.651 | 21.330 | -0.349 | 54.000 | 32.322 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2412MHz | |



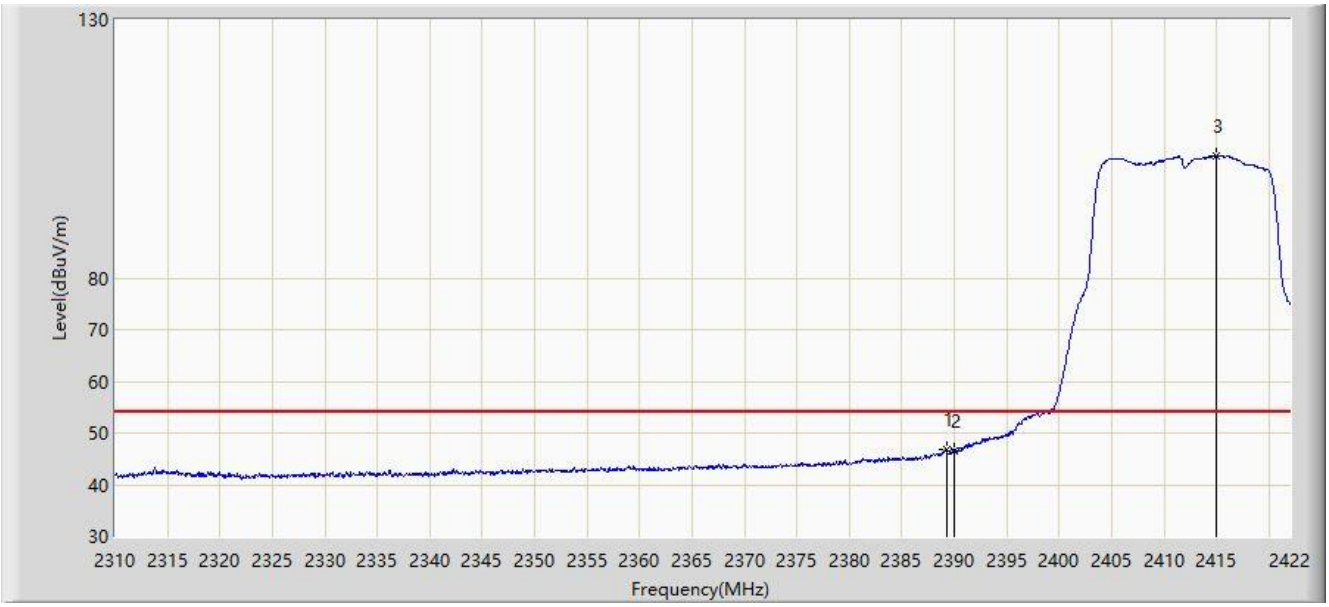

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.128 | 67.314 | 35.390 | -6.686 | 74.000 | 31.923 | PK |
| 2 | | 2390.000 | 64.811 | 32.882 | -9.189 | 74.000 | 31.929 | PK |
| 3 | | 2407.552 | 112.340 | 80.287 | N/A | N/A | 32.052 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2412MHz | |



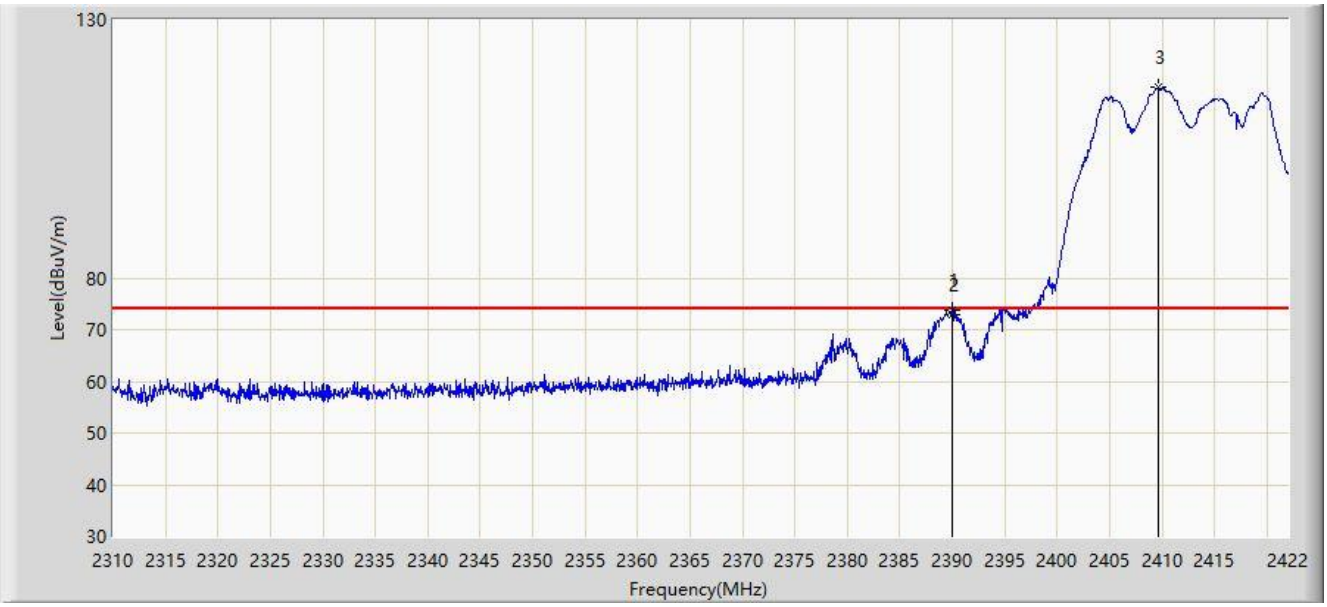

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.240 | 46.724 | 14.800 | -7.276 | 54.000 | 31.924 | AV |
| 2 | | 2390.000 | 46.570 | 14.641 | -7.430 | 54.000 | 31.929 | AV |
| 3 | | 2415.000 | 103.550 | 71.475 | N/A | N/A | 32.075 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2412MHz | |



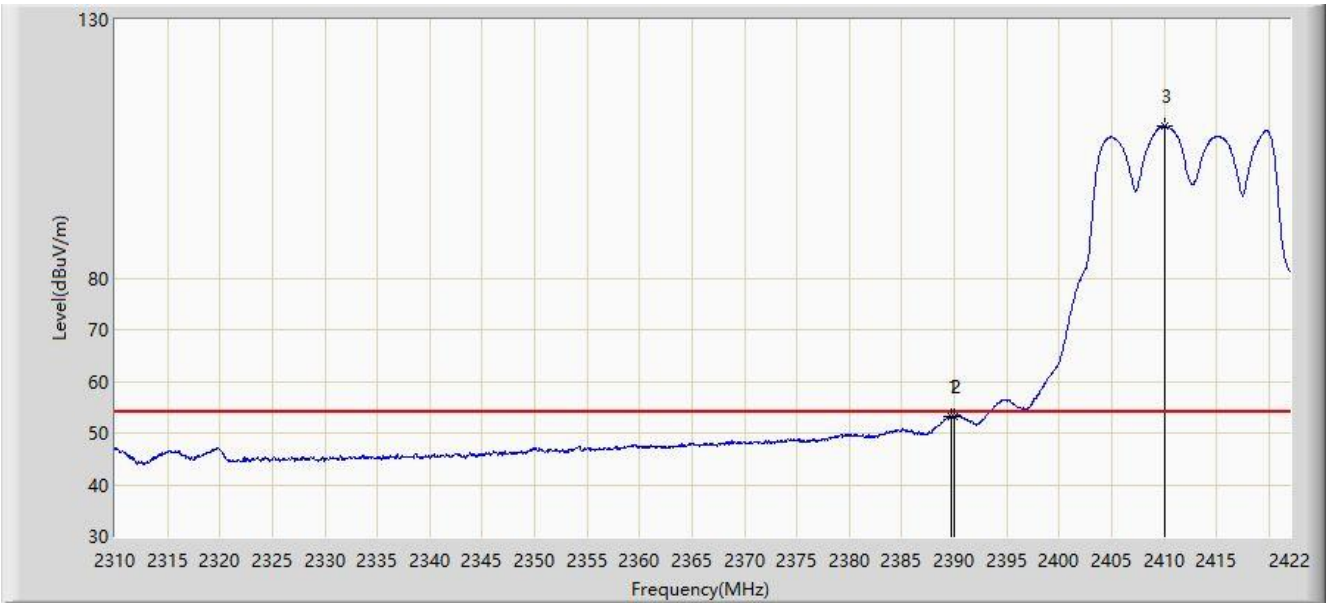

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.968 | 73.726 | 41.797 | -0.274 | 74.000 | 31.929 | PK |
| 2 | | 2390.000 | 73.000 | 41.071 | -1.000 | 74.000 | 31.929 | PK |
| 3 | | 2409.680 | 116.813 | 84.744 | N/A | N/A | 32.069 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2412MHz | |



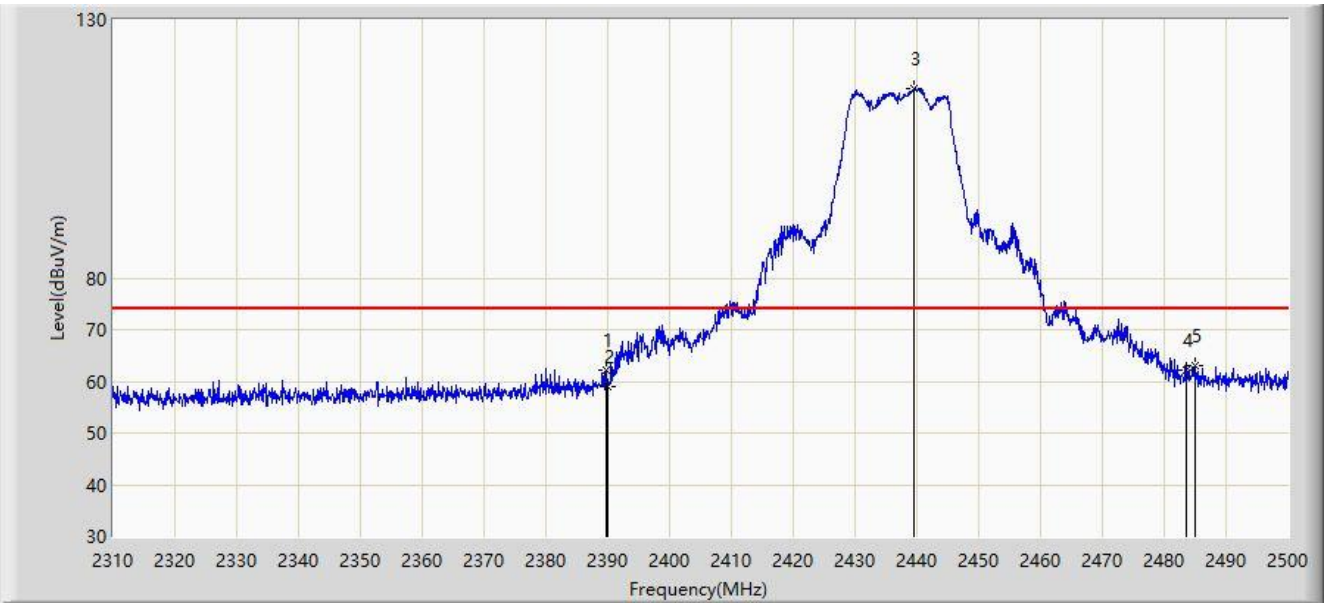

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.744 | 53.274 | 21.347 | -0.726 | 54.000 | 31.928 | AV |
| 2 | | 2390.000 | 53.189 | 21.260 | -0.811 | 54.000 | 31.929 | AV |
| 3 | | 2410.072 | 109.360 | 77.288 | N/A | N/A | 32.072 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2437MHz | |



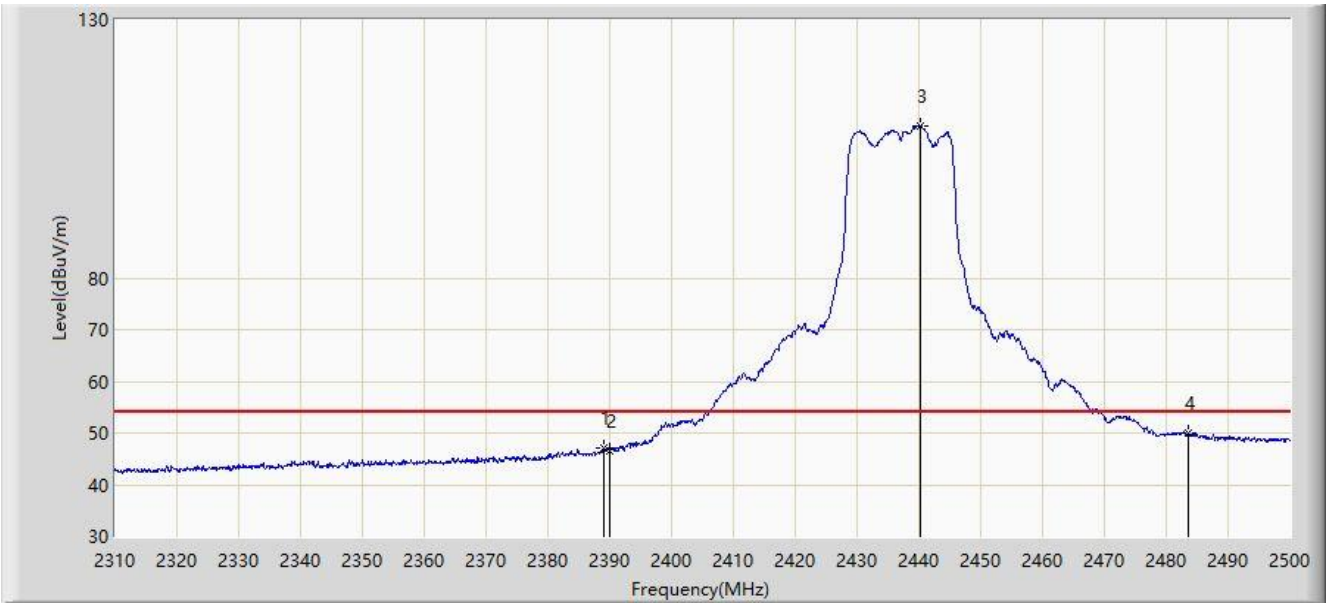

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2389.800 | 62.280 | 30.772 | -11.720 | 74.000 | 31.508 | PK |
| 2 | | 2390.000 | 59.114 | 27.602 | -14.886 | 74.000 | 31.512 | PK |
| 3 | | 2439.580 | 116.621 | 84.880 | N/A | N/A | 31.741 | PK |
| 4 | | 2483.500 | 62.160 | 30.208 | -11.840 | 74.000 | 31.952 | PK |
| 5 | * | 2484.895 | 62.906 | 30.952 | -11.094 | 74.000 | 31.954 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2437MHz | |



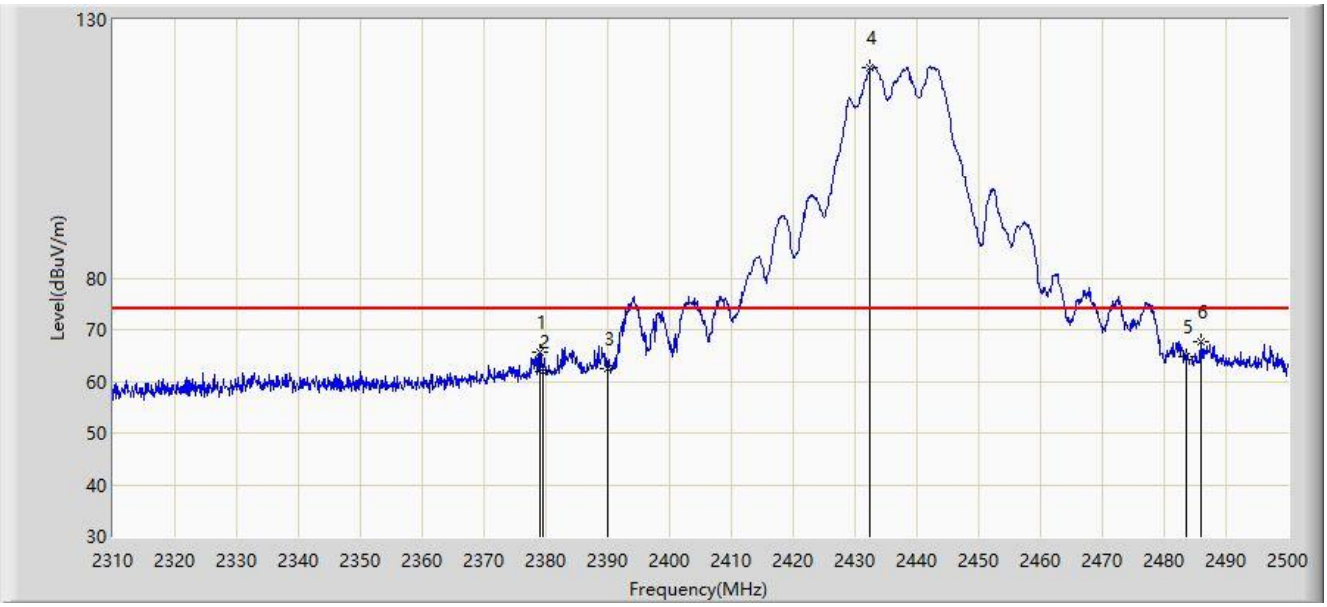

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2389.135 | 47.023 | 15.529 | -6.977 | 54.000 | 31.494 | AV |
| 2 | | 2390.000 | 46.633 | 15.121 | -7.367 | 54.000 | 31.512 | AV |
| 3 | | 2440.245 | 109.360 | 77.616 | N/A | N/A | 31.744 | AV |
| 4 | * | 2483.500 | 49.986 | 18.034 | -4.014 | 54.000 | 31.952 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2437MHz | |



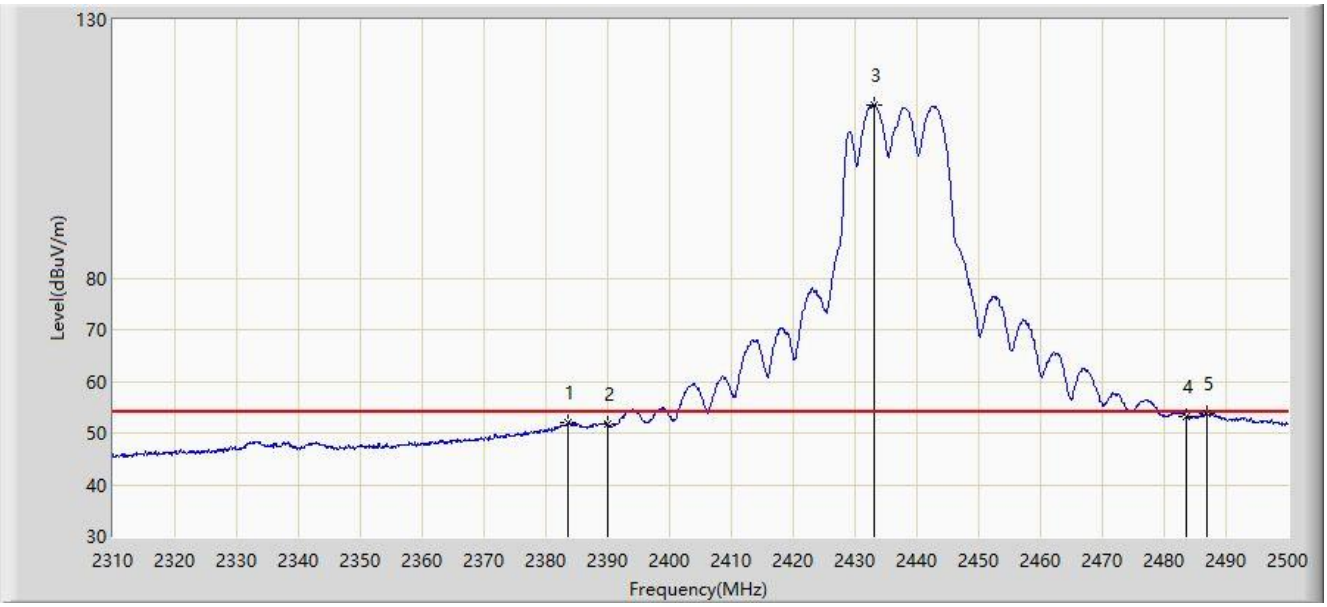

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2378.970 | 65.658 | 34.377 | -8.342 | 74.000 | 31.280 | PK |
| 2 | | 2379.445 | 62.010 | 30.719 | -11.990 | 74.000 | 31.291 | PK |
| 3 | | 2390.000 | 62.543 | 31.031 | -11.457 | 74.000 | 31.512 | PK |
| 4 | | 2432.455 | 120.843 | 89.138 | N/A | N/A | 31.706 | PK |
| 5 | | 2483.500 | 64.649 | 32.697 | -9.351 | 74.000 | 31.952 | PK |
| 6 | * | 2486.035 | 67.582 | 35.625 | -6.418 | 74.000 | 31.956 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2437MHz | |



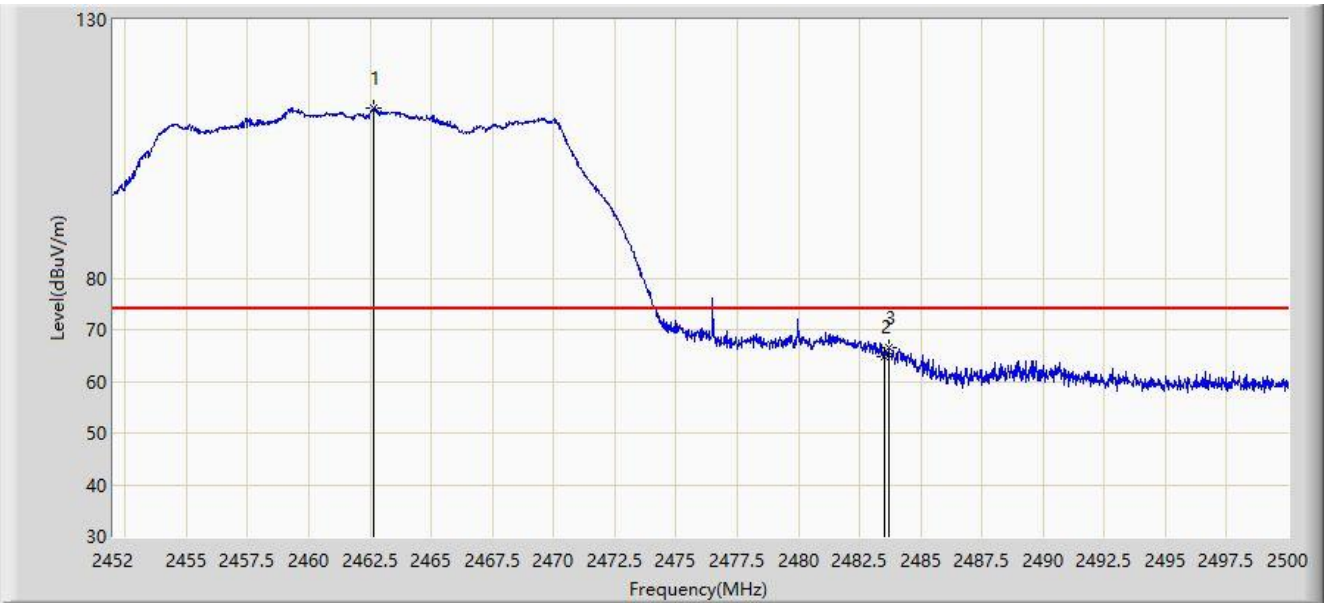

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2383.625 | 52.010 | 20.631 | -1.990 | 54.000 | 31.378 | AV |
| 2 | | 2390.000 | 51.717 | 20.205 | -2.283 | 54.000 | 31.512 | AV |
| 3 | | 2433.120 | 113.416 | 81.707 | N/A | N/A | 31.709 | AV |
| 4 | | 2483.500 | 53.241 | 21.289 | -0.759 | 54.000 | 31.952 | AV |
| 5 | * | 2486.985 | 53.795 | 21.837 | -0.205 | 54.000 | 31.959 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2462MHz | |




| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2462.656 | 112.822 | 80.604 | N/A | N/A | 32.217 | PK |
| 2 | | 2483.500 | 64.726 | 32.421 | -9.274 | 74.000 | 32.305 | PK |
| 3 | * | 2483.704 | 66.539 | 34.233 | -7.461 | 74.000 | 32.306 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2462MHz | |

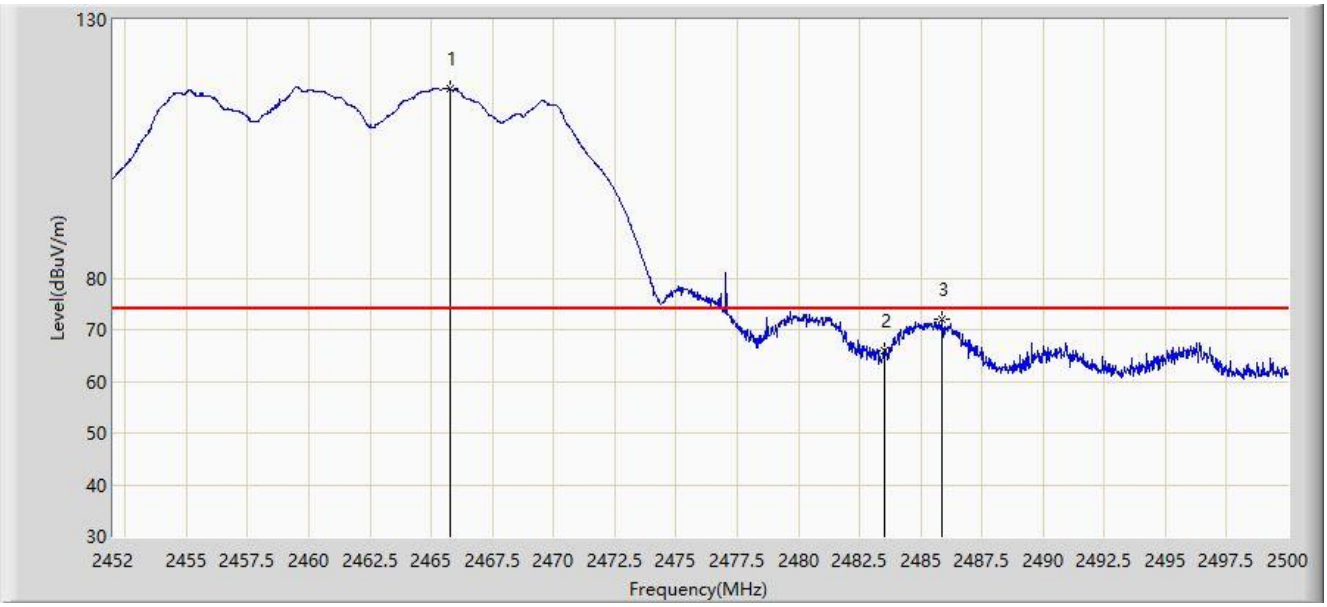

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2461.312 | 104.419 | 72.208 | N/A | N/A | 32.211 | AV |
| 2 | * | 2483.500 | 48.228 | 15.923 | -5.772 | 54.000 | 32.305 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2462MHz | |



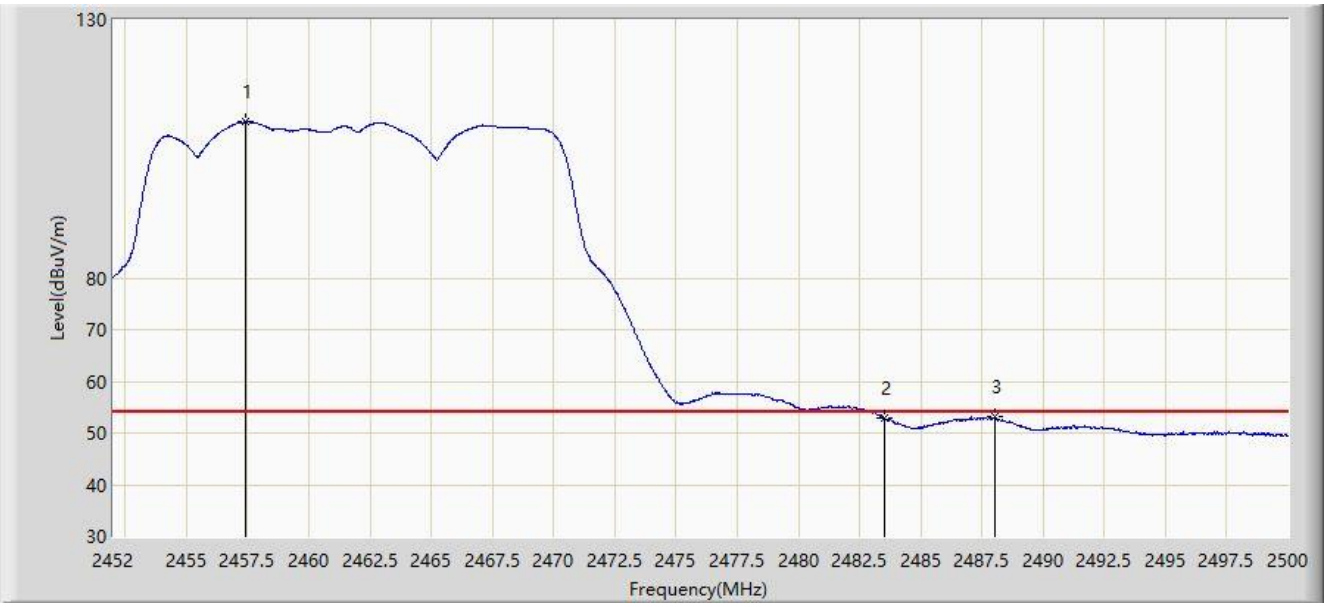

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2465.776 | 116.635 | 84.405 | N/A | N/A | 32.230 | PK |
| 2 | | 2483.500 | 65.852 | 33.547 | -8.148 | 74.000 | 32.305 | PK |
| 3 | * | 2485.864 | 72.153 | 39.836 | -1.847 | 74.000 | 32.317 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2462MHz | |



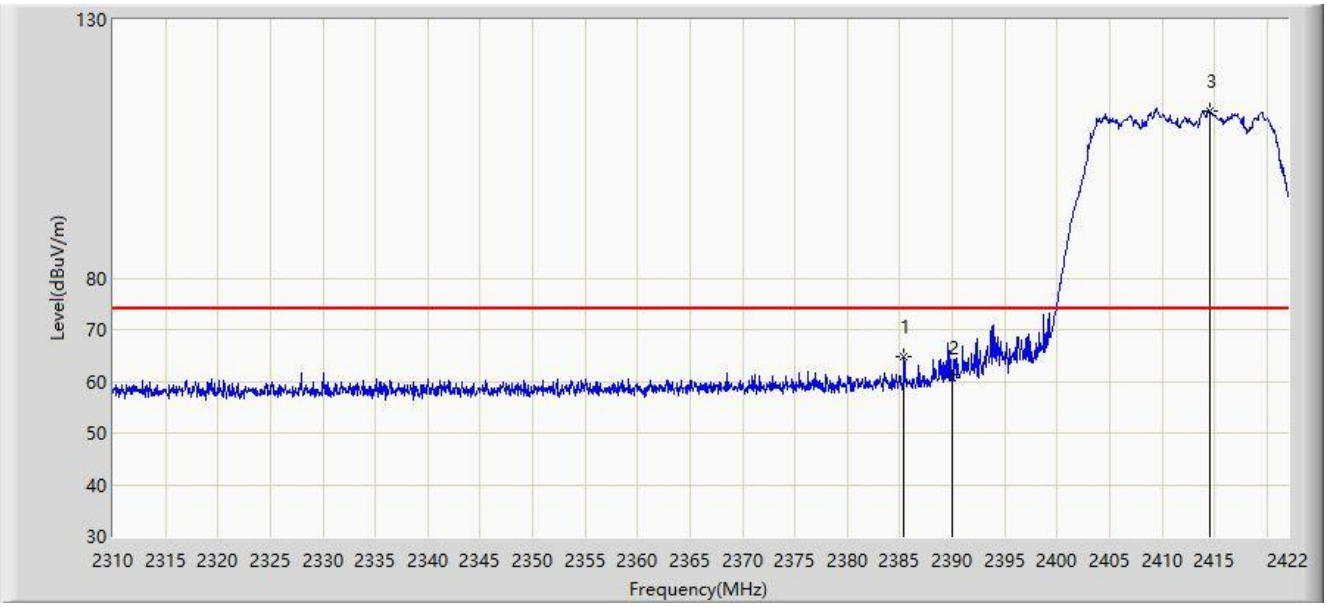

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2457.424 | 110.201 | 78.014 | N/A | N/A | 32.187 | AV |
| 2 | | 2483.500 | 52.987 | 20.682 | -1.013 | 54.000 | 32.305 | AV |
| 3 | * | 2488.024 | 53.156 | 20.828 | -0.844 | 54.000 | 32.328 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2412MHz | |



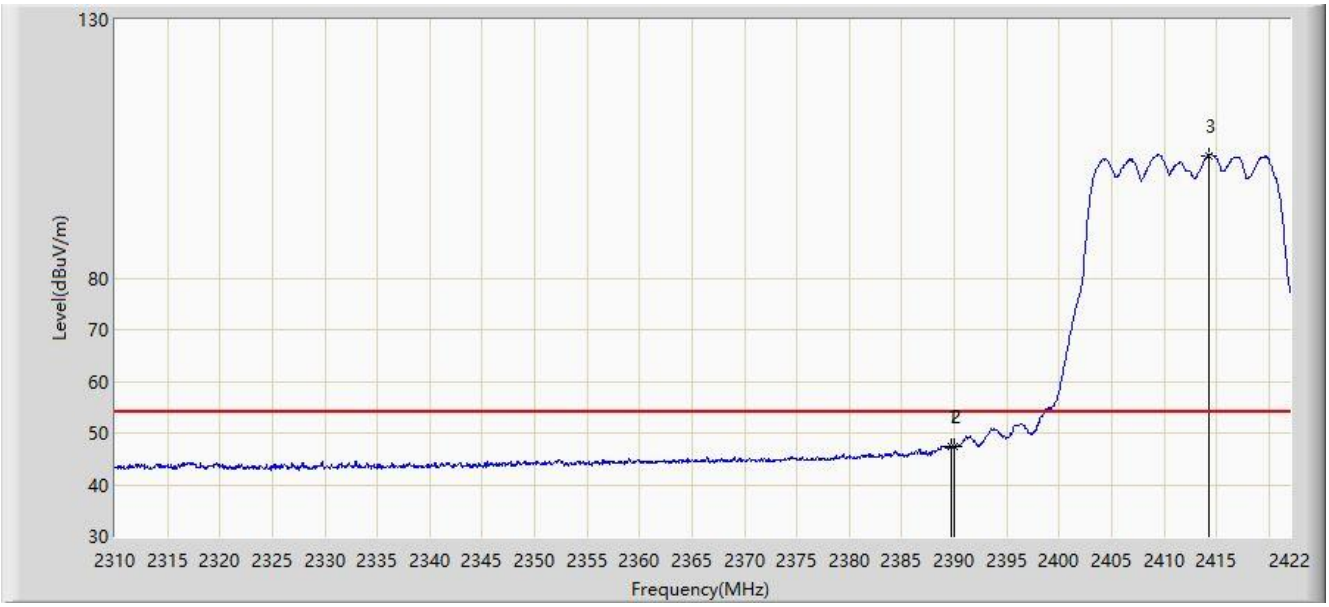

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2385.432 | 64.861 | 32.960 | -9.139 | 74.000 | 31.901 | PK |
| 2 | | 2390.000 | 60.807 | 28.878 | -13.193 | 74.000 | 31.929 | PK |
| 3 | | 2414.552 | 112.461 | 80.385 | N/A | N/A | 32.076 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2412MHz | |



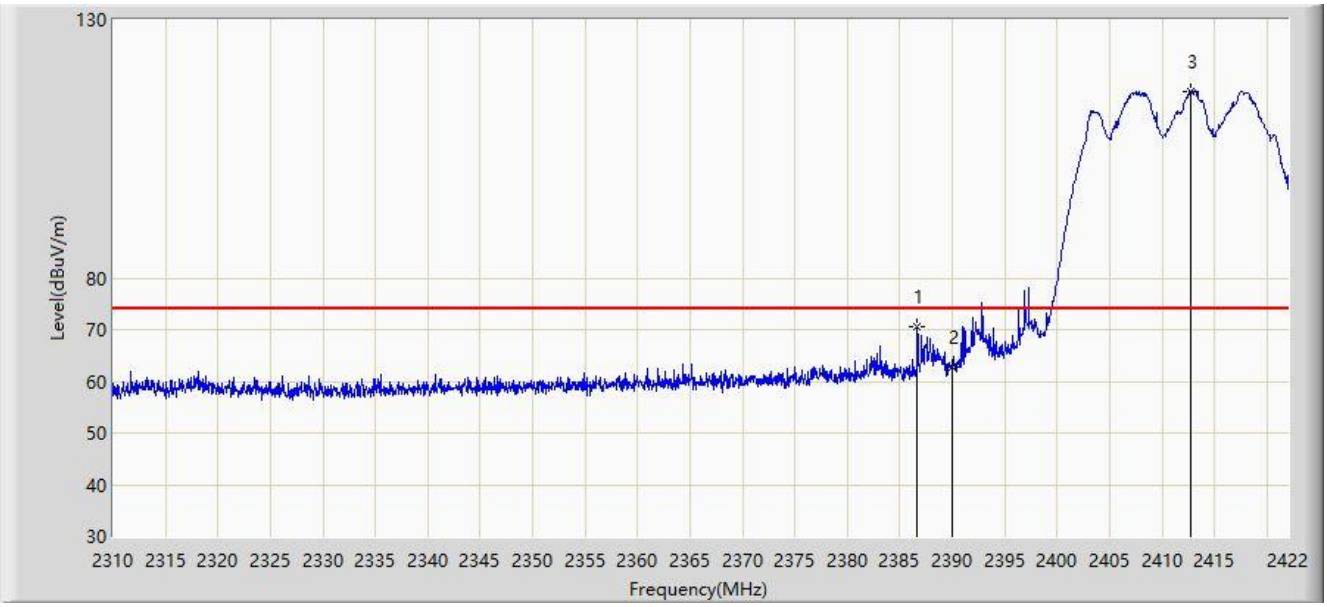

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.688 | 47.475 | 15.548 | -6.525 | 54.000 | 31.927 | AV |
| 2 | | 2390.000 | 47.261 | 15.332 | -6.739 | 54.000 | 31.929 | AV |
| 3 | | 2414.272 | 103.758 | 71.682 | N/A | N/A | 32.075 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2412MHz | |



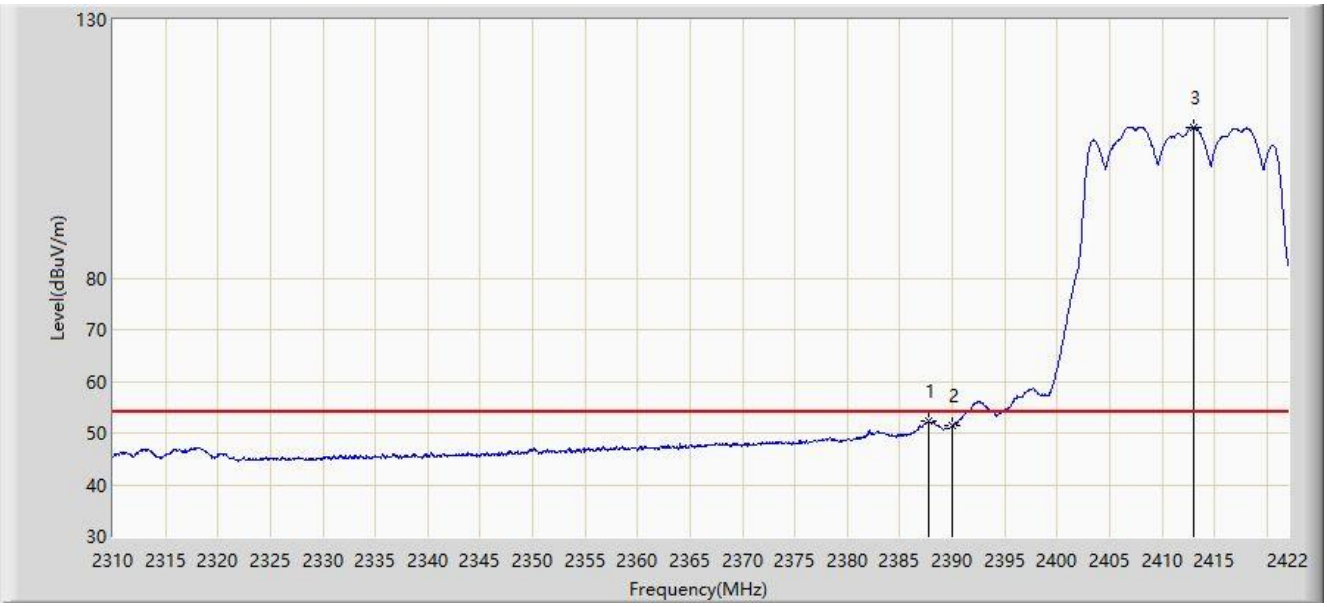

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2386.664 | 70.568 | 38.659 | -3.432 | 74.000 | 31.909 | PK |
| 2 | | 2390.000 | 62.681 | 30.752 | -11.319 | 74.000 | 31.929 | PK |
| 3 | | 2412.704 | 116.216 | 84.139 | N/A | N/A | 32.077 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2412MHz | |



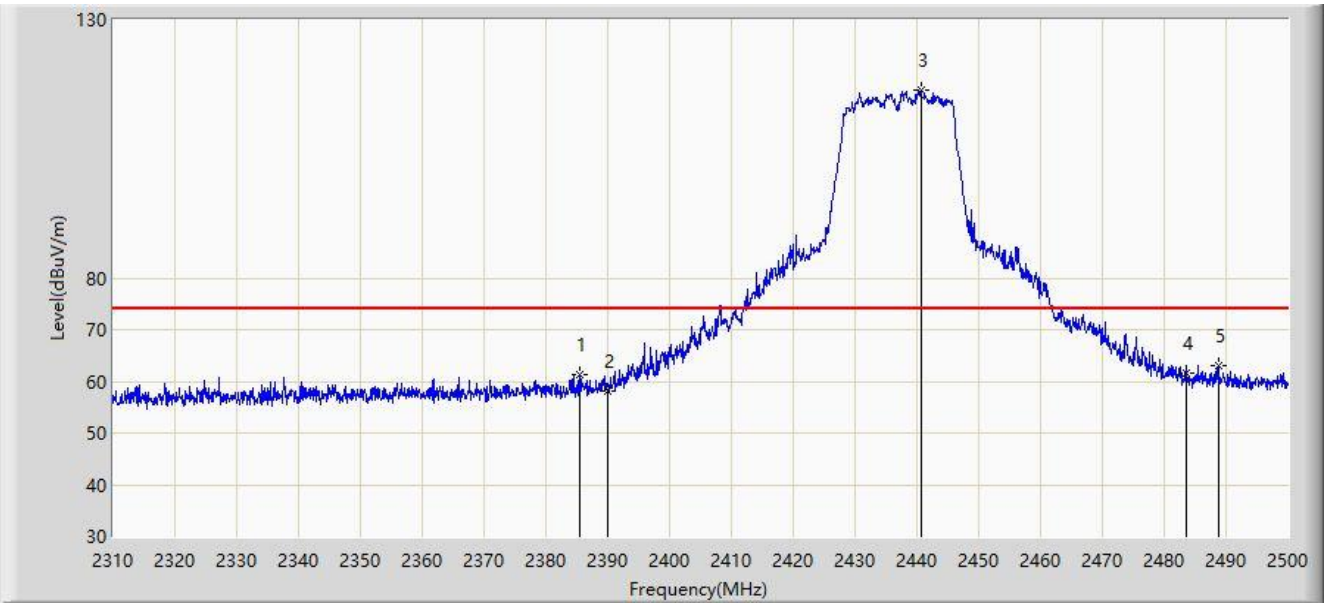

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2387.728 | 52.245 | 20.330 | -1.755 | 54.000 | 31.915 | AV |
| 2 | | 2390.000 | 51.357 | 19.428 | -2.643 | 54.000 | 31.929 | AV |
| 3 | | 2413.040 | 109.194 | 77.117 | N/A | N/A | 32.077 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2437MHz | |



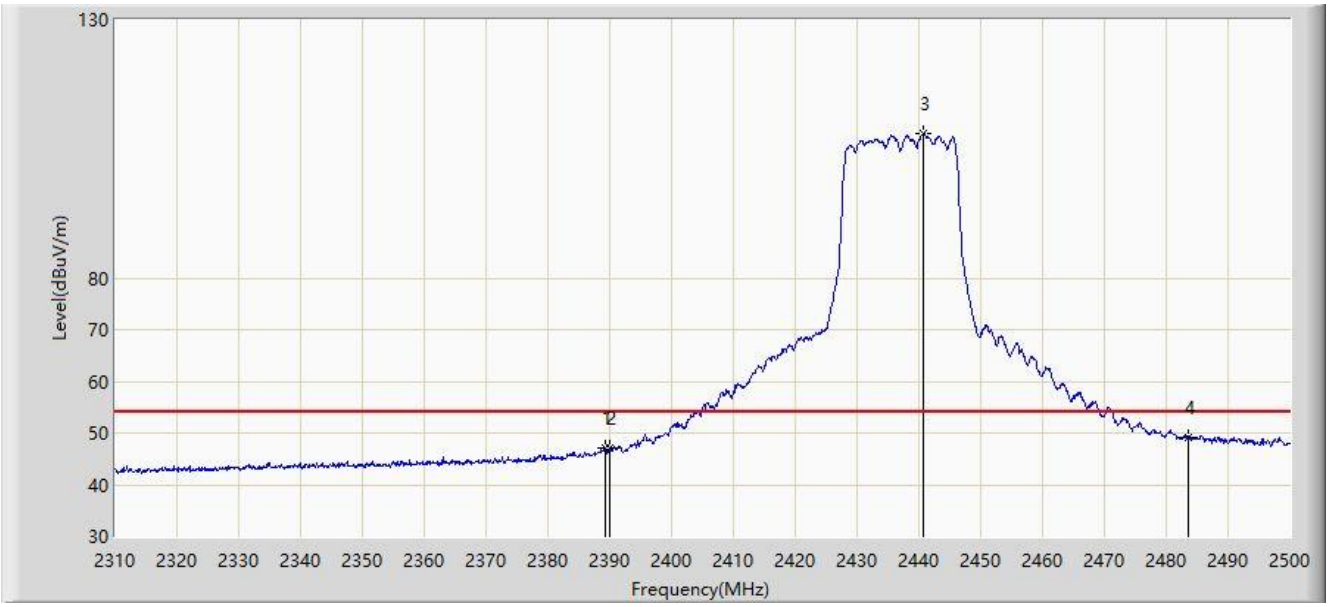

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2385.525 | 61.261 | 29.843 | -12.739 | 74.000 | 31.418 | PK |
| 2 | | 2390.000 | 58.189 | 26.677 | -15.811 | 74.000 | 31.512 | PK |
| 3 | | 2440.625 | 116.287 | 84.541 | N/A | N/A | 31.746 | PK |
| 4 | | 2483.500 | 61.721 | 29.769 | -12.279 | 74.000 | 31.952 | PK |
| 5 | * | 2488.790 | 63.089 | 31.127 | -10.911 | 74.000 | 31.962 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2437MHz | |



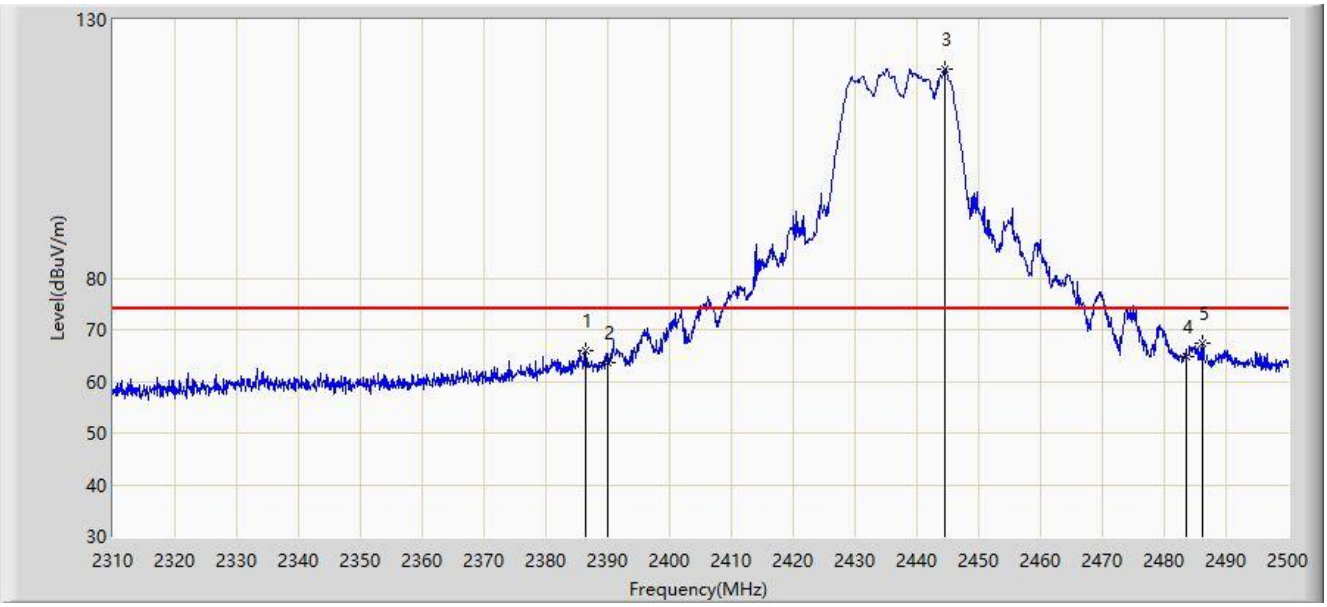

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2389.230 | 47.019 | 15.523 | -6.981 | 54.000 | 31.497 | AV |
| 2 | | 2390.000 | 46.983 | 15.471 | -7.017 | 54.000 | 31.512 | AV |
| 3 | | 2440.815 | 107.934 | 76.187 | N/A | N/A | 31.747 | AV |
| 4 | * | 2483.500 | 49.251 | 17.299 | -4.749 | 54.000 | 31.952 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2437MHz | |



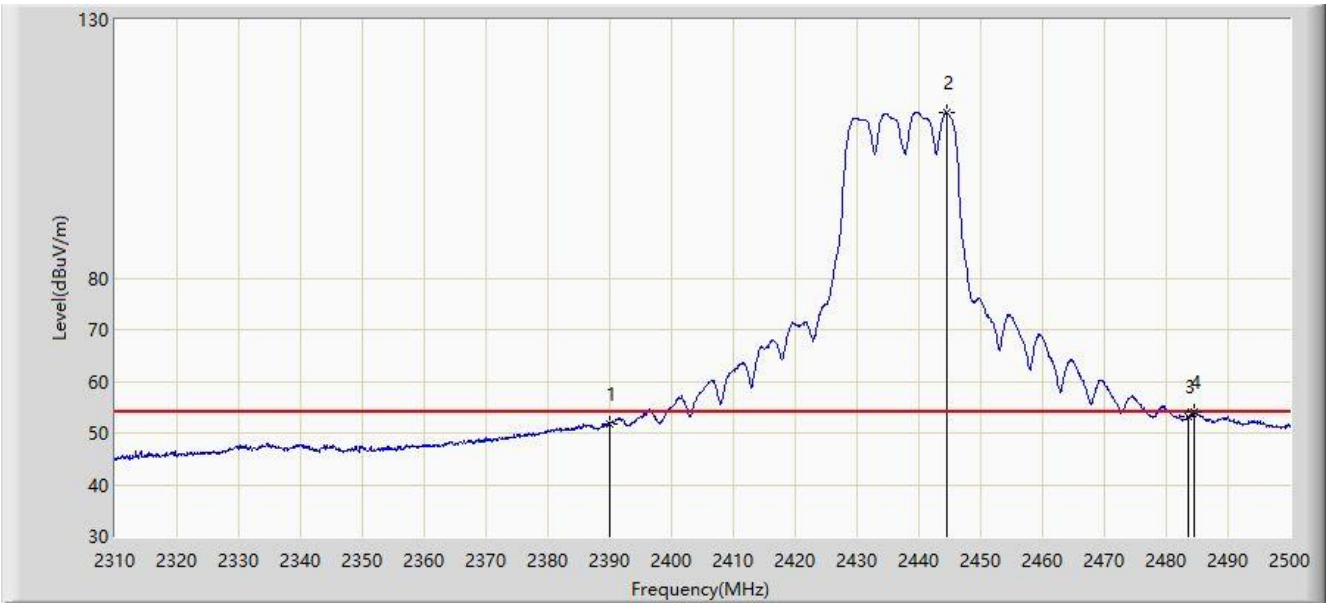

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2386.475 | 66.063 | 34.625 | -7.937 | 74.000 | 31.439 | PK |
| 2 | | 2390.000 | 63.507 | 31.995 | -10.493 | 74.000 | 31.512 | PK |
| 3 | | 2444.615 | 120.459 | 88.694 | N/A | N/A | 31.765 | PK |
| 4 | | 2483.500 | 64.872 | 32.920 | -9.128 | 74.000 | 31.952 | PK |
| 5 | * | 2486.225 | 67.333 | 35.376 | -6.667 | 74.000 | 31.957 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2437MHz | |



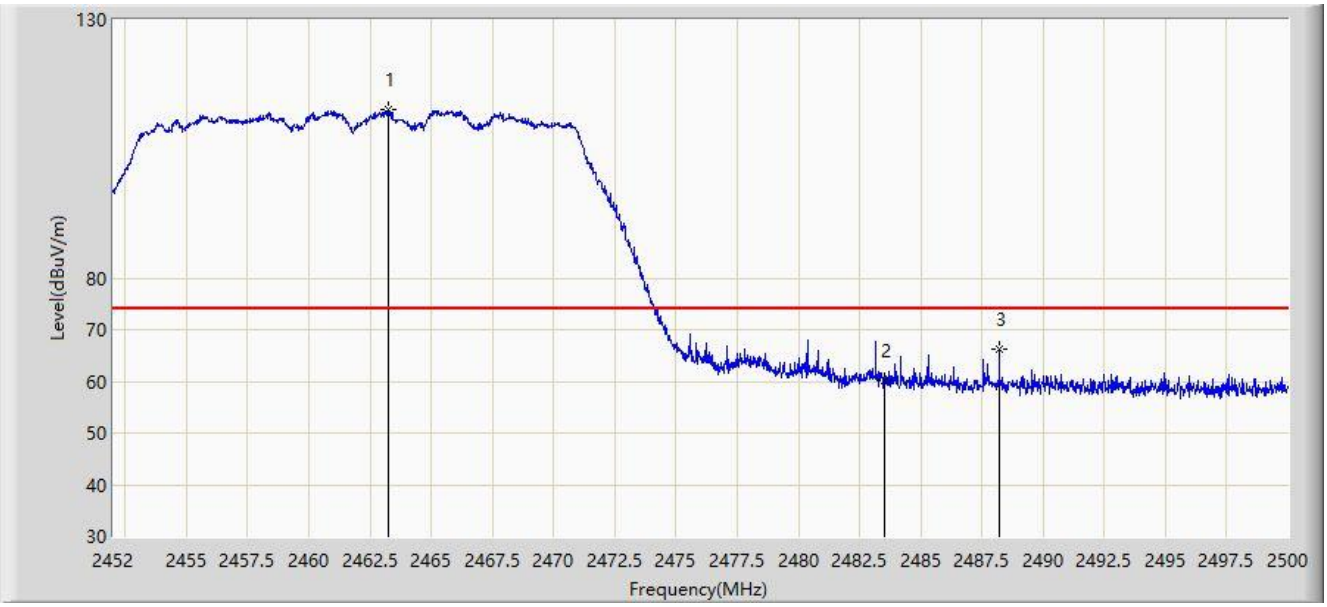

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2390.000 | 51.863 | 20.351 | -2.137 | 54.000 | 31.512 | AV |
| 2 | | 2444.615 | 111.984 | 80.219 | N/A | N/A | 31.765 | AV |
| 3 | | 2483.500 | 53.049 | 21.097 | -0.951 | 54.000 | 31.952 | AV |
| 4 | * | 2484.420 | 53.945 | 21.992 | -0.055 | 54.000 | 31.953 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2462MHz | |



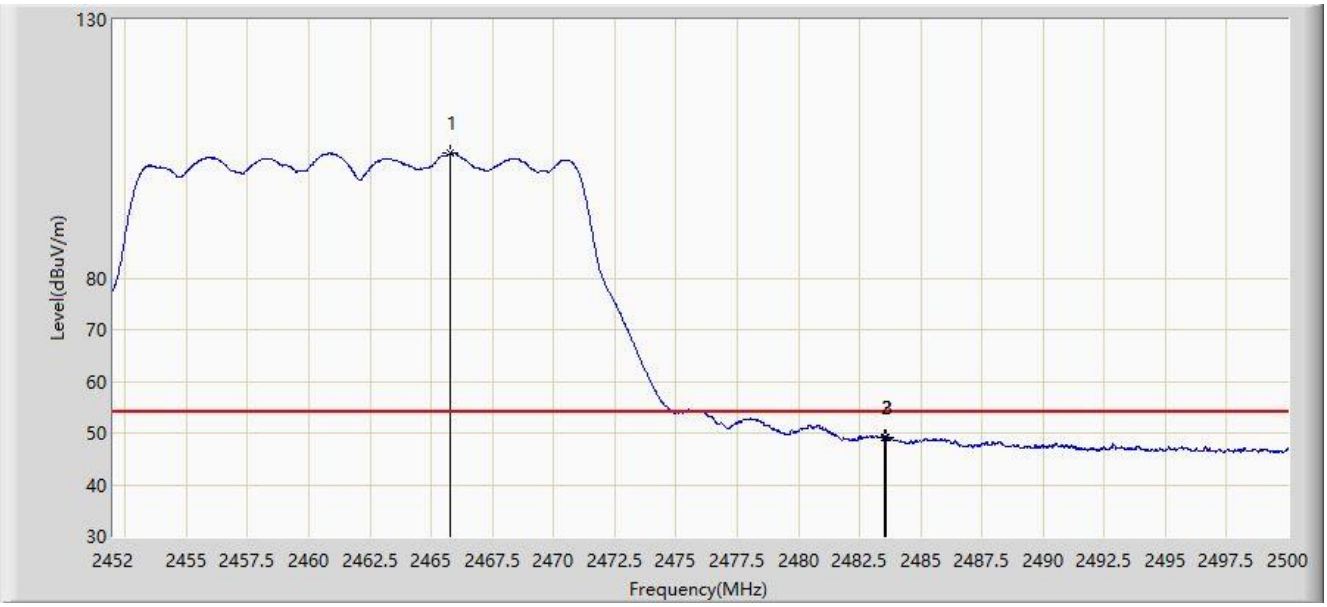

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2463.256 | 112.551 | 80.331 | N/A | N/A | 32.220 | PK |
| 2 | | 2483.500 | 60.232 | 27.927 | -13.768 | 74.000 | 32.305 | PK |
| 3 | * | 2488.216 | 66.131 | 33.802 | -7.869 | 74.000 | 32.328 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2462MHz | |



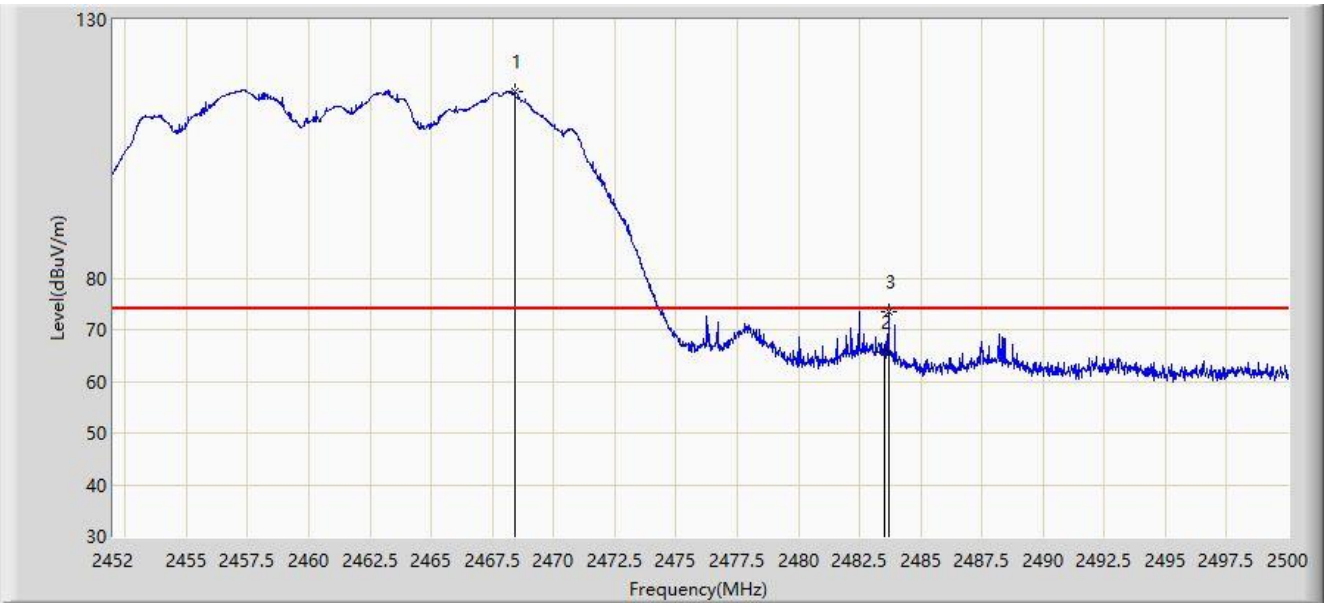

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2465.752 | 104.105 | 71.875 | N/A | N/A | 32.230 | AV |
| 2 | | 2483.500 | 49.039 | 16.734 | -4.961 | 54.000 | 32.305 | AV |
| 3 | * | 2483.608 | 49.195 | 16.889 | -4.805 | 54.000 | 32.305 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2462MHz | |



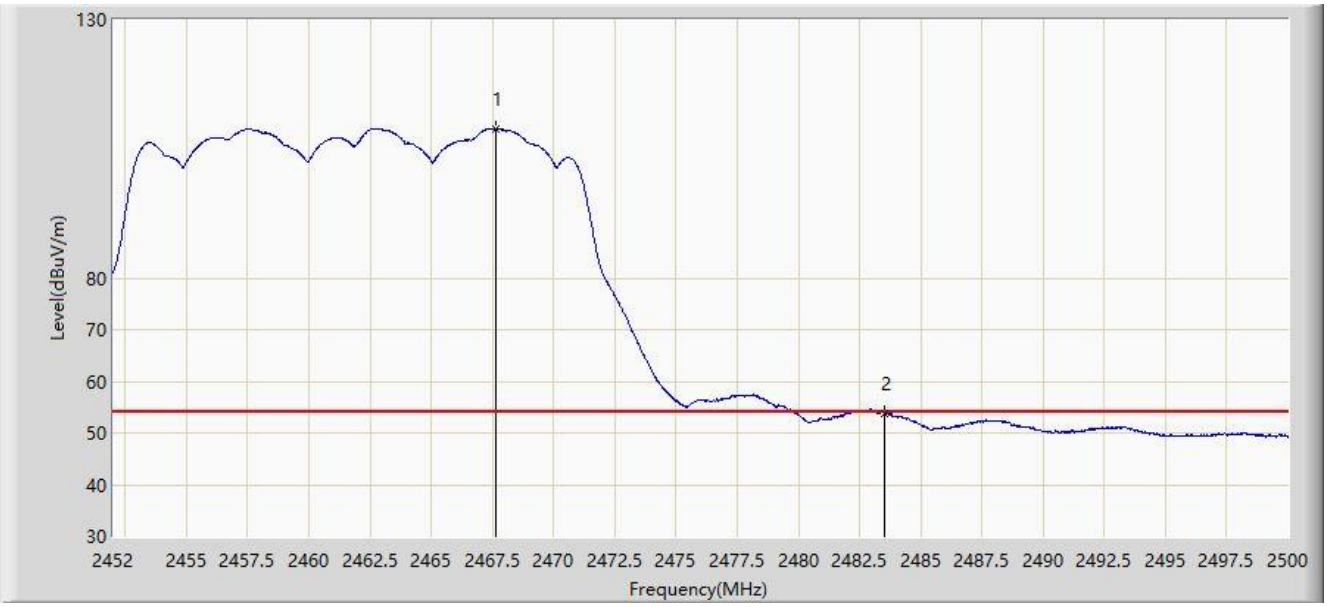

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2468.392 | 116.053 | 83.813 | N/A | N/A | 32.241 | PK |
| 2 | | 2483.500 | 65.728 | 33.423 | -8.272 | 74.000 | 32.305 | PK |
| 3 | * | 2483.680 | 73.611 | 41.305 | -0.389 | 74.000 | 32.306 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at 2462MHz | |



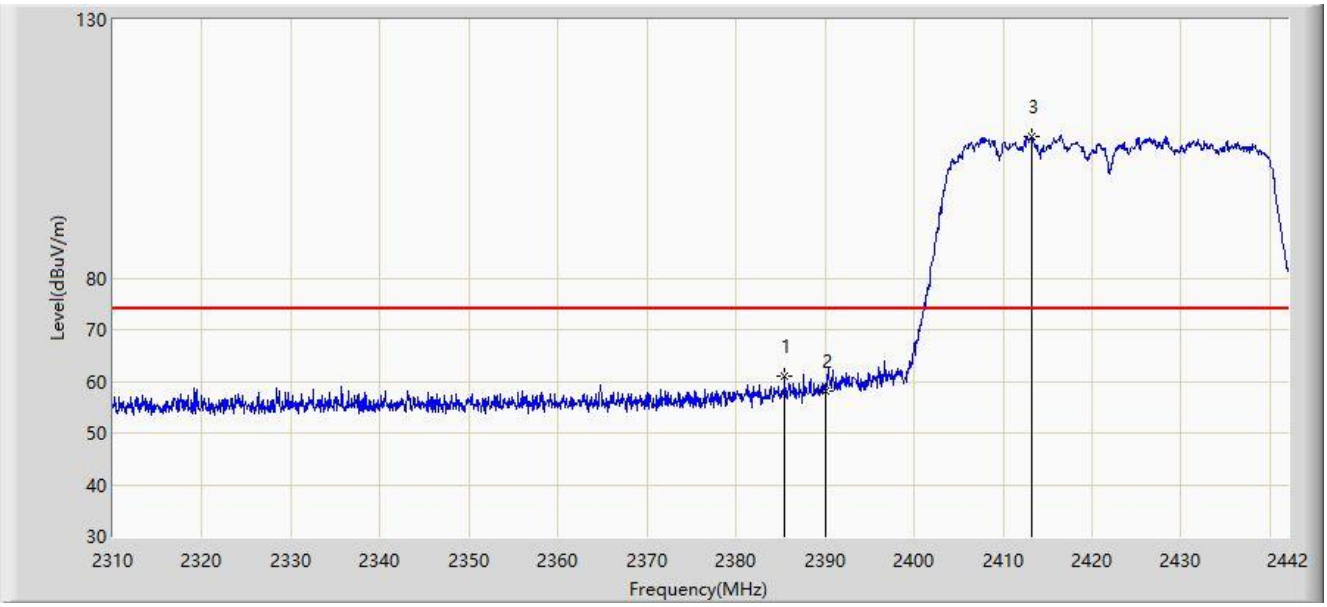

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2467.648 | 108.868 | 76.630 | N/A | N/A | 32.238 | AV |
| 2 | * | 2483.500 | 53.905 | 21.600 | -0.095 | 54.000 | 32.305 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2422MHz | |



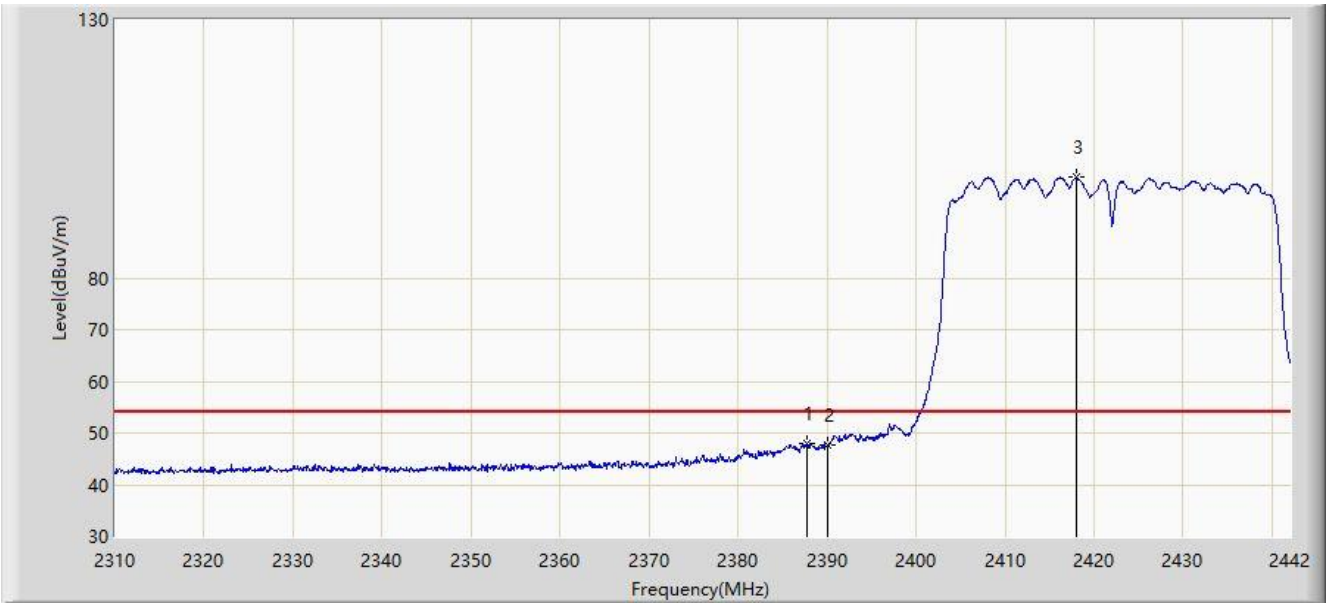

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2385.504 | 60.914 | 29.012 | -13.086 | 74.000 | 31.902 | PK |
| 2 | | 2390.000 | 58.219 | 26.290 | -15.781 | 74.000 | 31.929 | PK |
| 3 | | 2413.224 | 107.486 | 75.409 | N/A | N/A | 32.077 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2422MHz | |



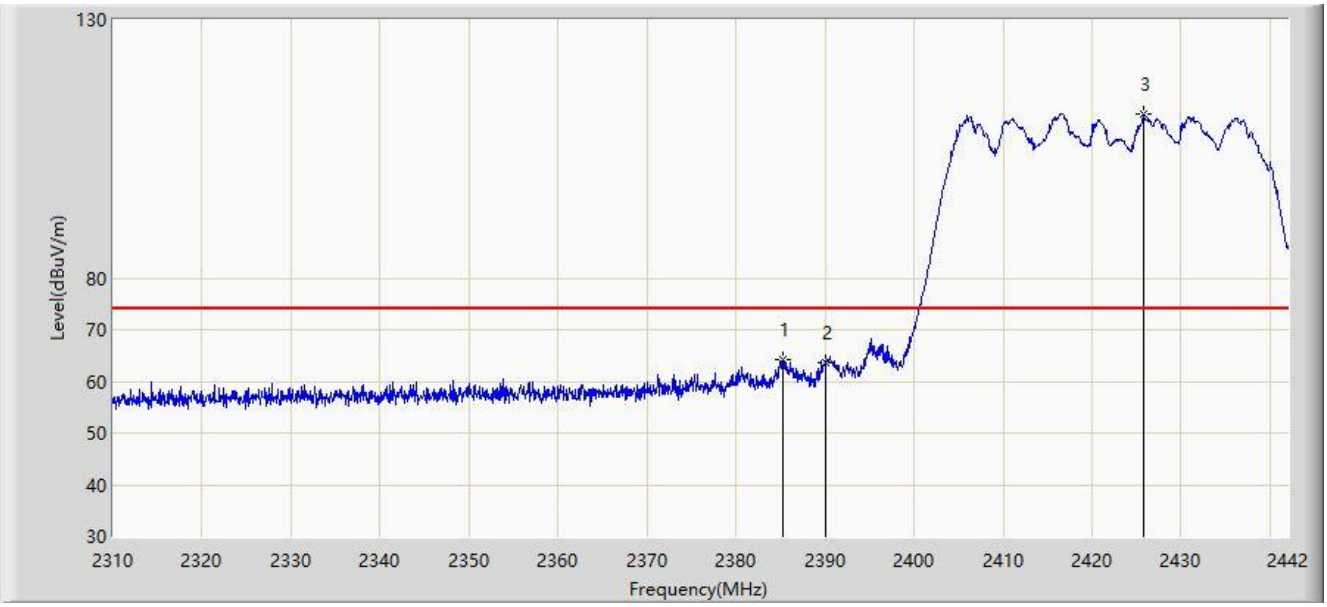

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2387.682 | 47.924 | 16.009 | -6.076 | 54.000 | 31.915 | AV |
| 2 | | 2390.000 | 47.544 | 15.615 | -6.456 | 54.000 | 31.929 | AV |
| 3 | | 2417.976 | 99.435 | 67.362 | N/A | N/A | 32.073 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2422MHz | |



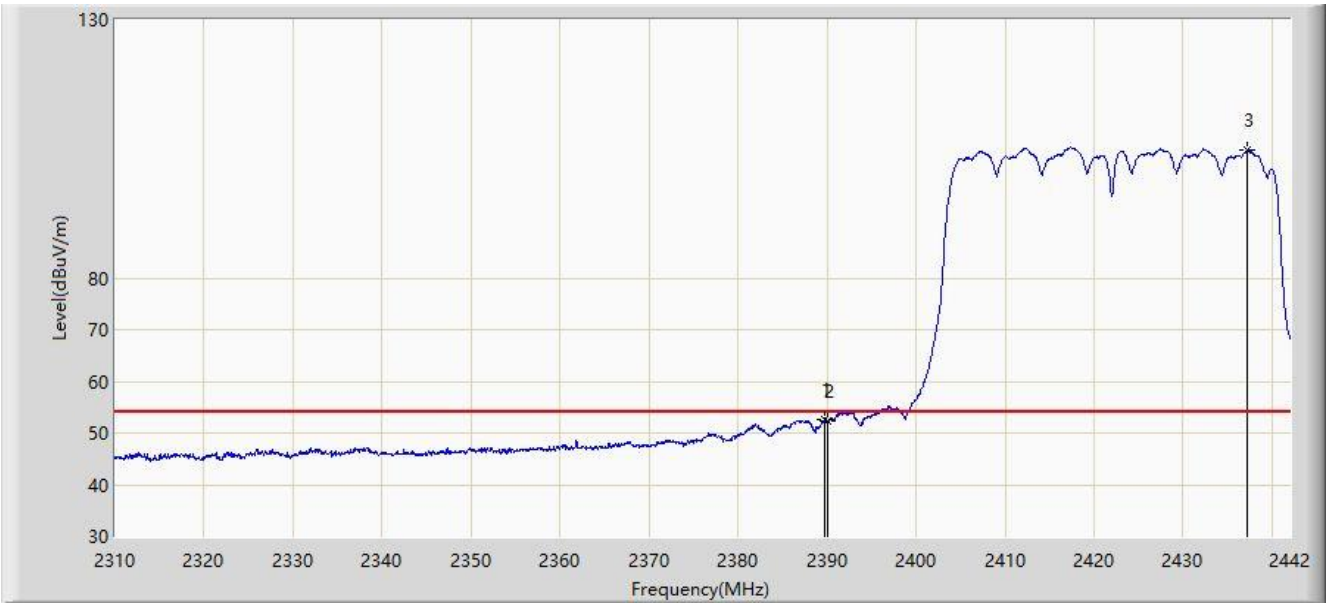

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2385.306 | 64.219 | 32.318 | -9.781 | 74.000 | 31.901 | PK |
| 2 | | 2390.000 | 63.594 | 31.665 | -10.406 | 74.000 | 31.929 | PK |
| 3 | | 2425.830 | 111.693 | 79.626 | N/A | N/A | 32.067 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2422MHz | |



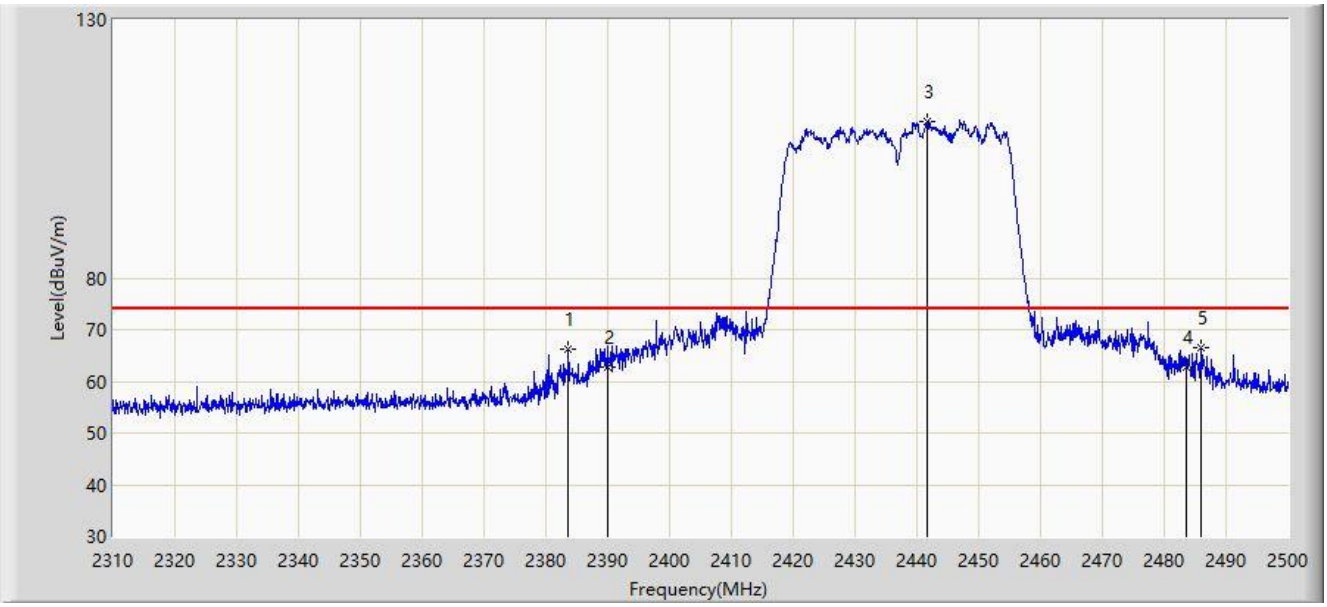

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.728 | 52.542 | 20.615 | -1.458 | 54.000 | 31.928 | AV |
| 2 | | 2390.000 | 52.195 | 20.266 | -1.805 | 54.000 | 31.929 | AV |
| 3 | | 2437.248 | 104.702 | 72.613 | N/A | N/A | 32.088 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2437MHz | |



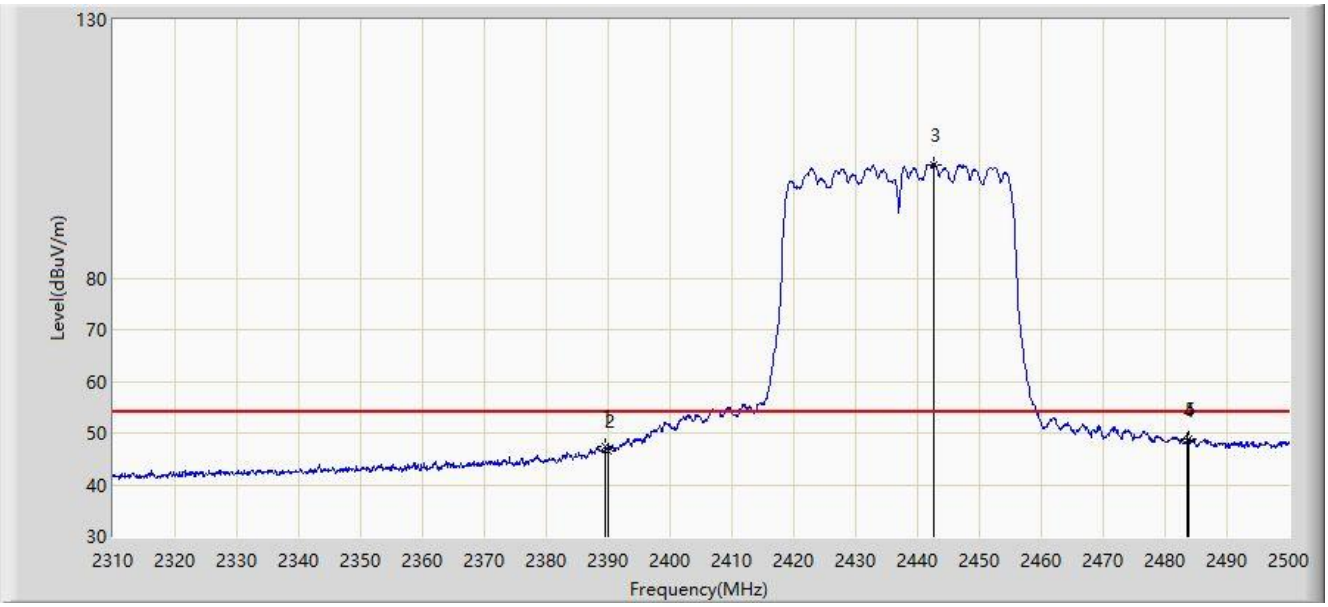

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2383.625 | 66.248 | 34.869 | -7.752 | 74.000 | 31.378 | PK |
| 2 | | 2390.000 | 62.801 | 31.289 | -11.199 | 74.000 | 31.512 | PK |
| 3 | | 2441.765 | 110.333 | 78.582 | N/A | N/A | 31.751 | PK |
| 4 | | 2483.500 | 62.883 | 30.931 | -11.117 | 74.000 | 31.952 | PK |
| 5 | * | 2485.940 | 66.582 | 34.626 | -7.418 | 74.000 | 31.957 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2437MHz | |



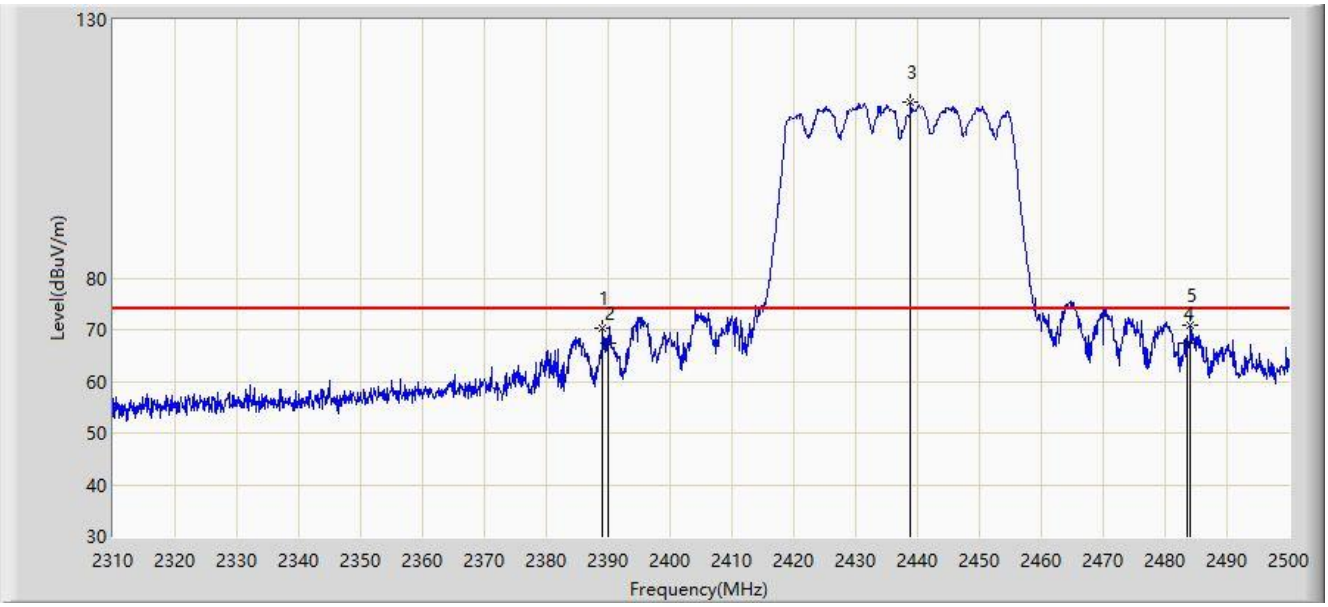

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2389.515 | 47.395 | 15.893 | -6.605 | 54.000 | 31.502 | AV |
| 2 | | 2390.000 | 46.592 | 15.080 | -7.408 | 54.000 | 31.512 | AV |
| 3 | | 2442.525 | 101.950 | 70.195 | N/A | N/A | 31.755 | AV |
| 4 | | 2483.500 | 48.673 | 16.721 | -5.327 | 54.000 | 31.952 | AV |
| 5 | * | 2483.755 | 48.980 | 17.028 | -5.020 | 54.000 | 31.952 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2437MHz | |



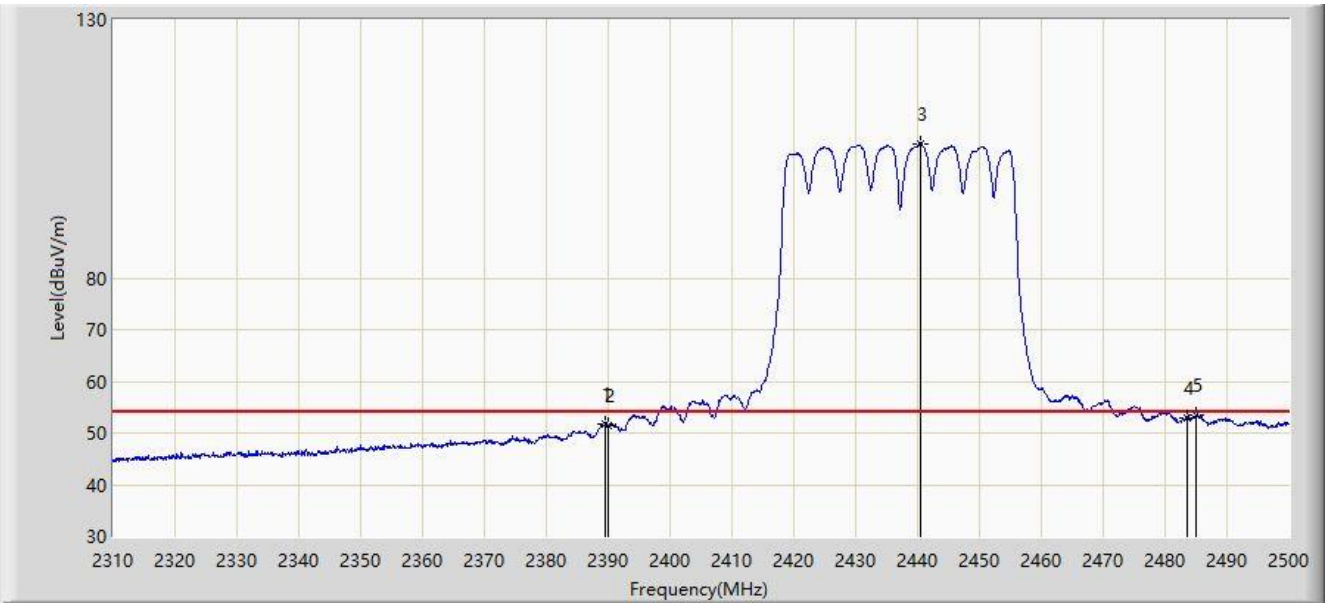

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2389.040 | 70.312 | 38.820 | -3.688 | 74.000 | 31.492 | PK |
| 2 | | 2390.000 | 67.330 | 35.818 | -6.670 | 74.000 | 31.512 | PK |
| 3 | | 2438.915 | 114.025 | 82.288 | N/A | N/A | 31.737 | PK |
| 4 | | 2483.500 | 67.513 | 35.561 | -6.487 | 74.000 | 31.952 | PK |
| 5 | * | 2484.135 | 70.730 | 38.777 | -3.270 | 74.000 | 31.953 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2437MHz | |



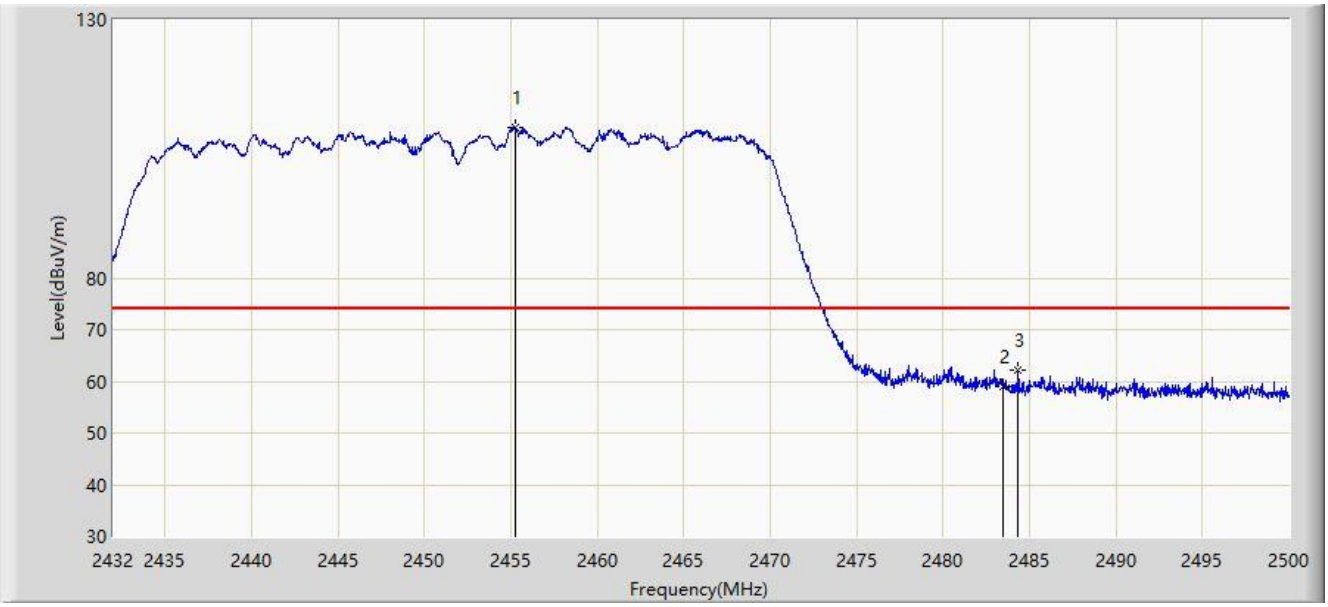

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2389.515 | 51.817 | 20.315 | -2.183 | 54.000 | 31.502 | AV |
| 2 | | 2390.000 | 51.368 | 19.856 | -2.632 | 54.000 | 31.512 | AV |
| 3 | | 2440.530 | 106.061 | 74.316 | N/A | N/A | 31.745 | AV |
| 4 | | 2483.500 | 52.994 | 21.042 | -1.006 | 54.000 | 31.952 | AV |
| 5 | * | 2485.085 | 53.473 | 21.518 | -0.527 | 54.000 | 31.954 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2452MHz | |



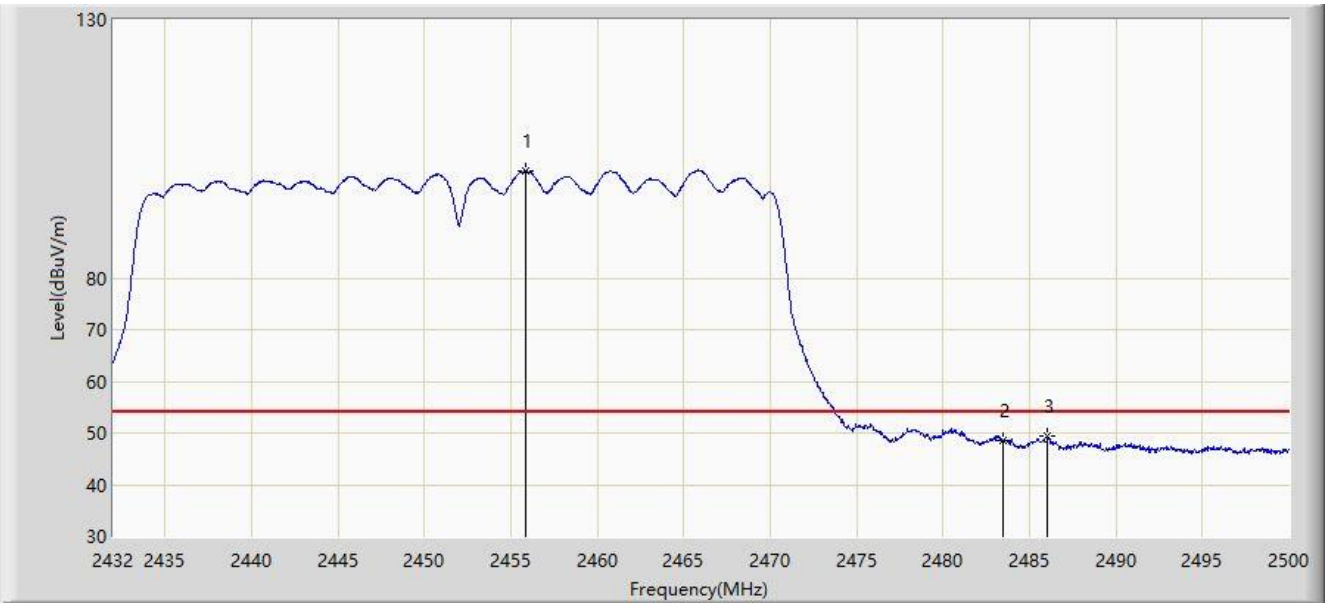

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2455.222 | 109.243 | 77.070 | N/A | N/A | 32.173 | PK |
| 2 | | 2483.500 | 59.082 | 26.777 | -14.918 | 74.000 | 32.305 | PK |
| 3 | * | 2484.360 | 62.126 | 29.817 | -11.874 | 74.000 | 32.310 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2452MHz | |



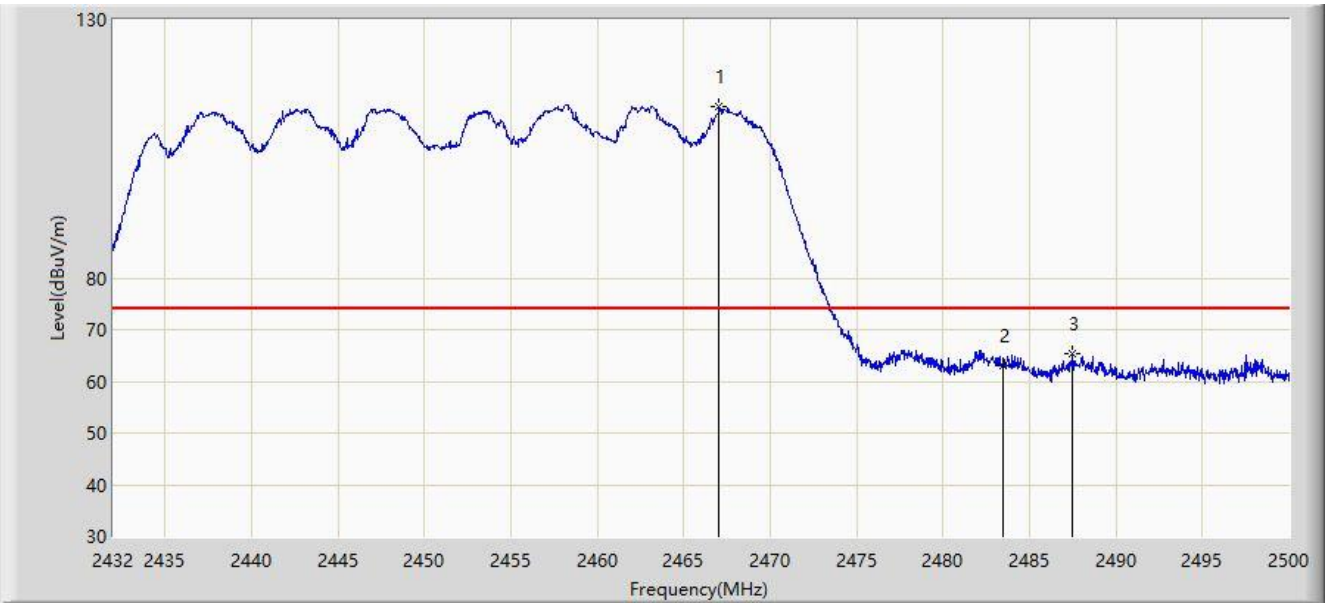

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2455.868 | 100.686 | 68.509 | N/A | N/A | 32.177 | AV |
| 2 | | 2483.500 | 48.438 | 16.133 | -5.562 | 54.000 | 32.305 | AV |
| 3 | * | 2486.060 | 49.479 | 17.161 | -4.521 | 54.000 | 32.318 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2452MHz | |



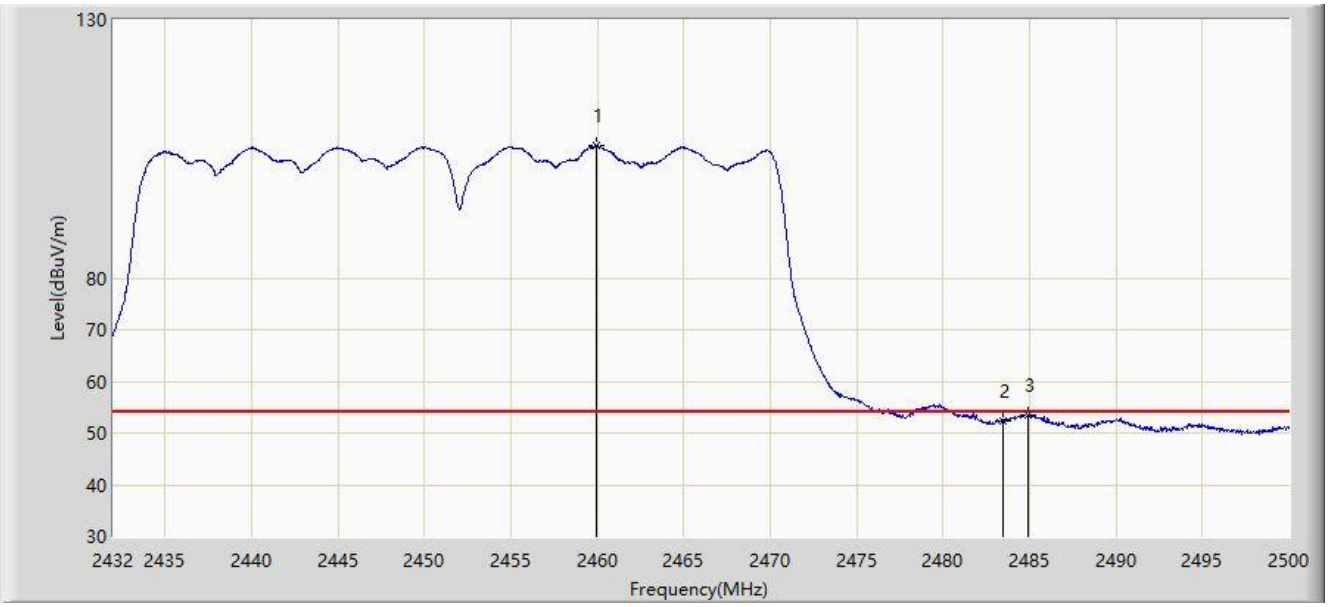

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2467.054 | 113.115 | 80.880 | N/A | N/A | 32.235 | PK |
| 2 | | 2483.500 | 63.086 | 30.781 | -10.914 | 74.000 | 32.305 | PK |
| 3 | * | 2487.488 | 65.366 | 33.041 | -8.634 | 74.000 | 32.325 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at 2452MHz | |



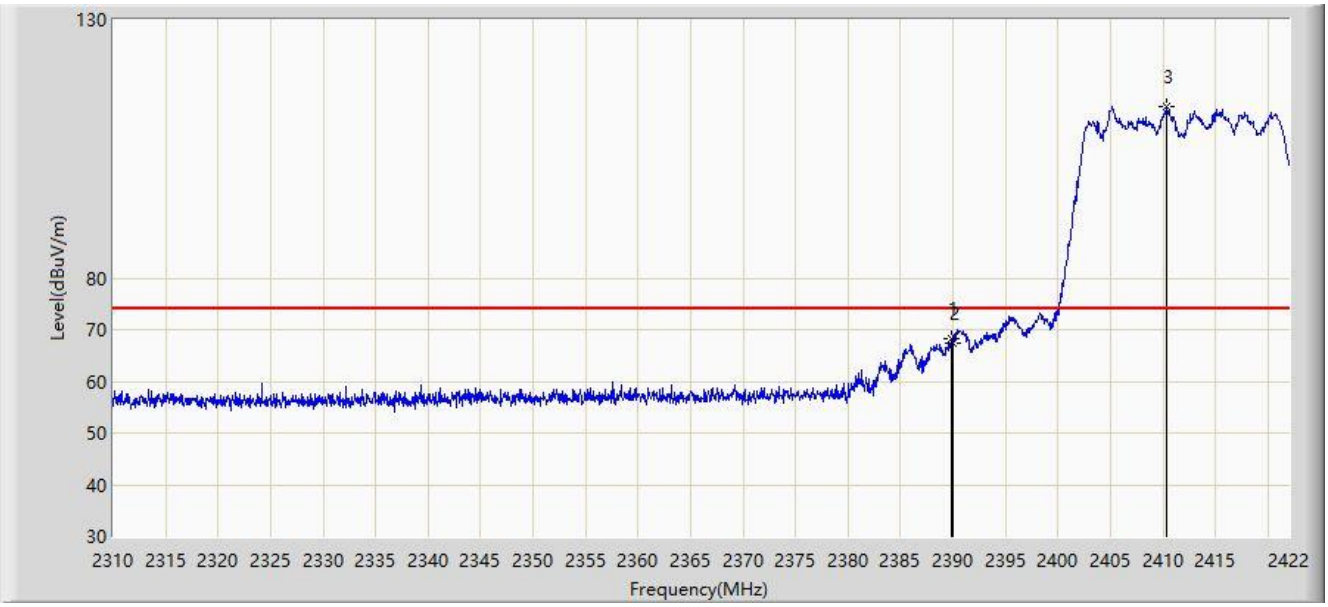

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2459.982 | 105.653 | 73.450 | N/A | N/A | 32.202 | AV |
| 2 | | 2483.500 | 52.450 | 20.145 | -1.550 | 54.000 | 32.305 | AV |
| 3 | * | 2484.904 | 53.513 | 21.201 | -0.487 | 54.000 | 32.312 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2412MHz | |



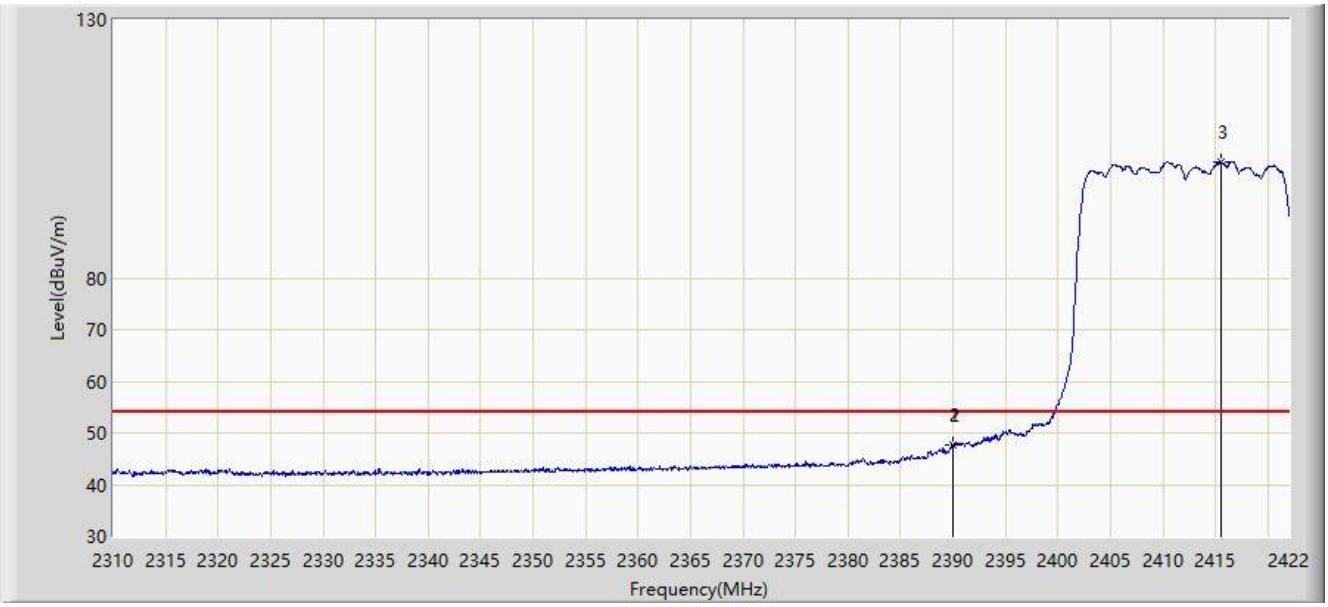

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.800 | 68.136 | 36.208 | -5.864 | 74.000 | 31.928 | PK |
| 2 | | 2390.000 | 67.409 | 35.480 | -6.591 | 74.000 | 31.929 | PK |
| 3 | | 2410.296 | 113.103 | 81.030 | N/A | N/A | 32.074 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2412MHz | |



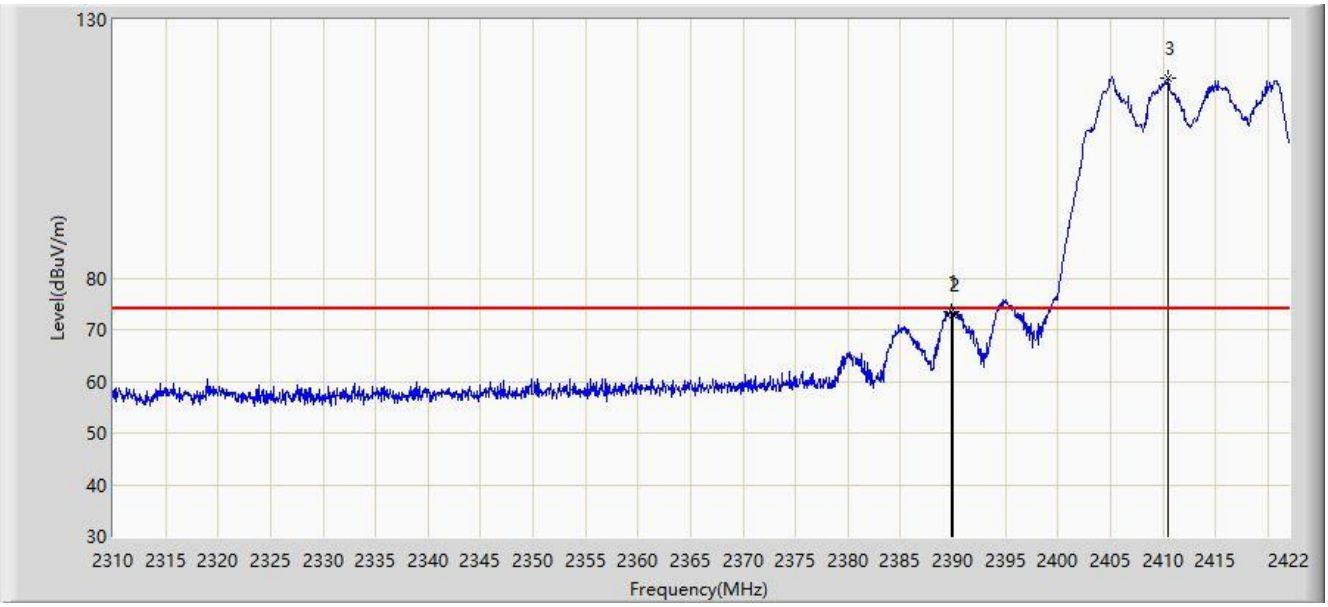

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.968 | 47.655 | 15.726 | -6.345 | 54.000 | 31.929 | AV |
| 2 | | 2390.000 | 47.596 | 15.667 | -6.404 | 54.000 | 31.929 | AV |
| 3 | | 2415.504 | 102.337 | 70.262 | N/A | N/A | 32.074 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2412MHz | |



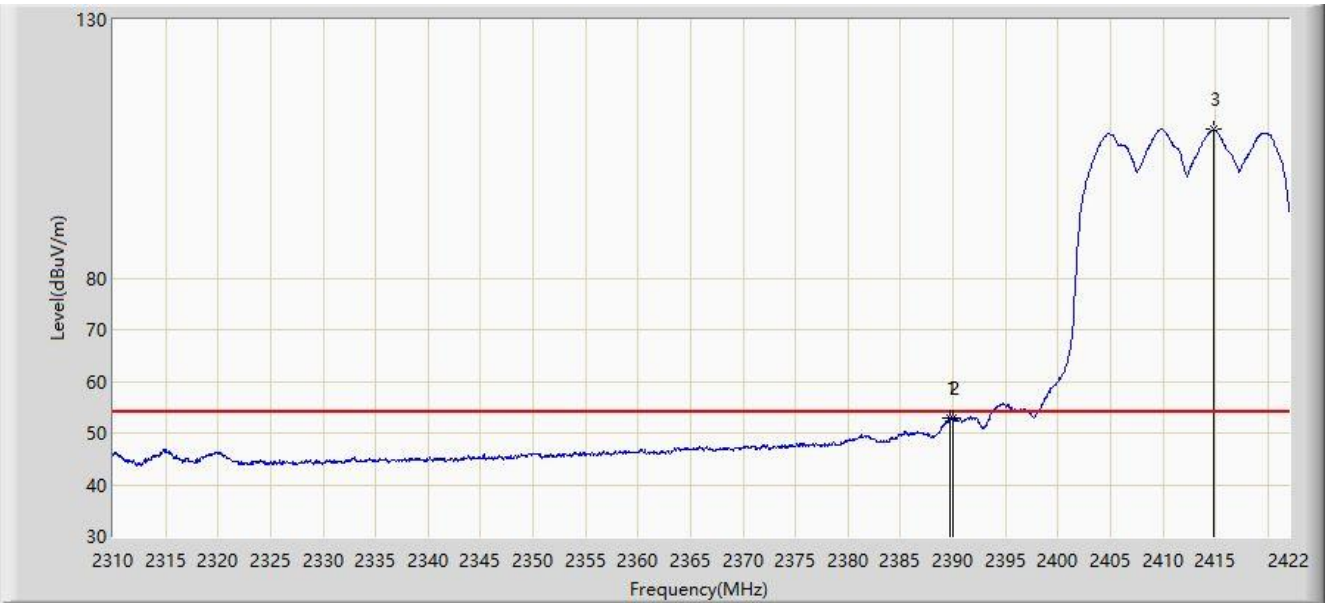

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.800 | 73.532 | 41.604 | -0.468 | 74.000 | 31.928 | PK |
| 2 | | 2390.000 | 73.013 | 41.084 | -0.987 | 74.000 | 31.929 | PK |
| 3 | | 2410.520 | 118.587 | 86.512 | N/A | N/A | 32.074 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2412MHz | |



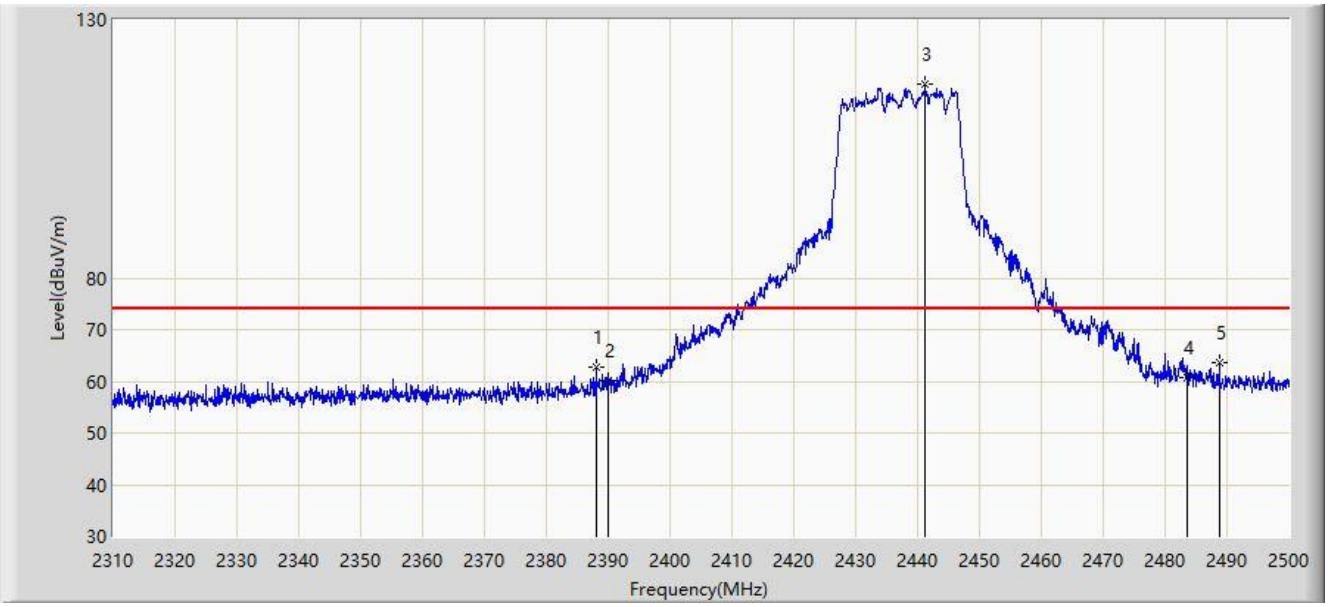

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.744 | 52.939 | 21.012 | -1.061 | 54.000 | 31.928 | AV |
| 2 | | 2390.000 | 52.791 | 20.862 | -1.209 | 54.000 | 31.929 | AV |
| 3 | | 2414.832 | 108.795 | 76.720 | N/A | N/A | 32.076 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2437MHz | |



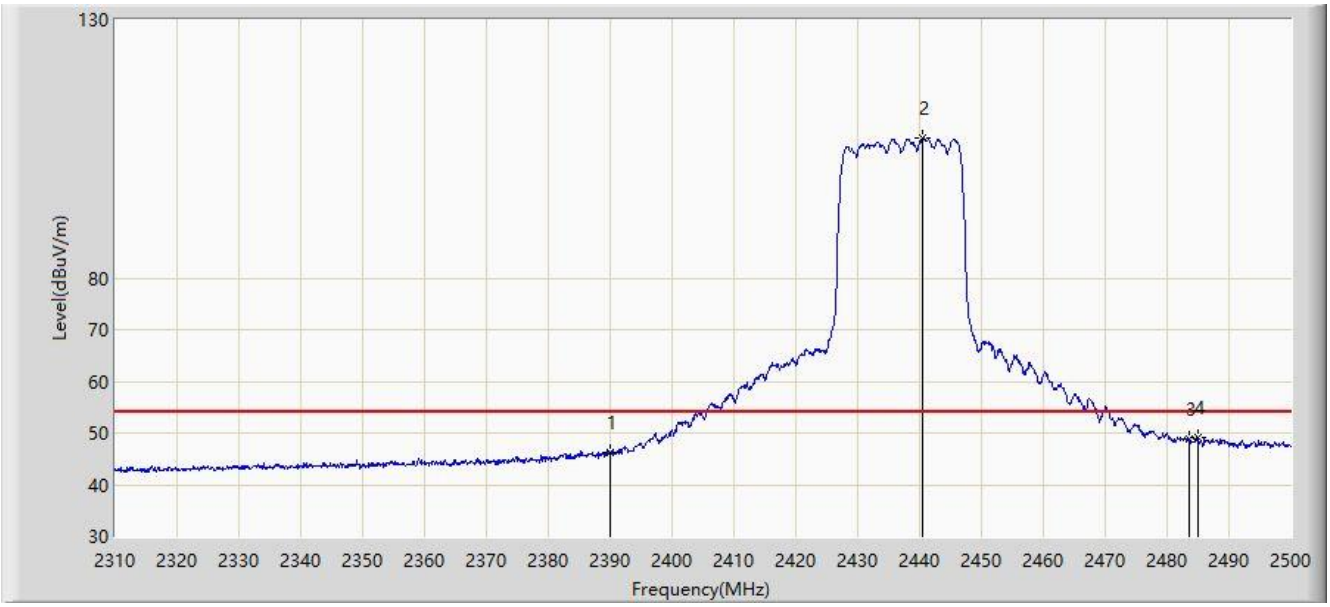

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2387.995 | 62.722 | 31.252 | -11.278 | 74.000 | 31.470 | PK |
| 2 | | 2390.000 | 60.068 | 28.556 | -13.932 | 74.000 | 31.512 | PK |
| 3 | | 2441.290 | 117.518 | 85.769 | N/A | N/A | 31.749 | PK |
| 4 | | 2483.500 | 60.807 | 28.855 | -13.193 | 74.000 | 31.952 | PK |
| 5 | * | 2488.695 | 63.515 | 31.553 | -10.485 | 74.000 | 31.961 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2437MHz | |



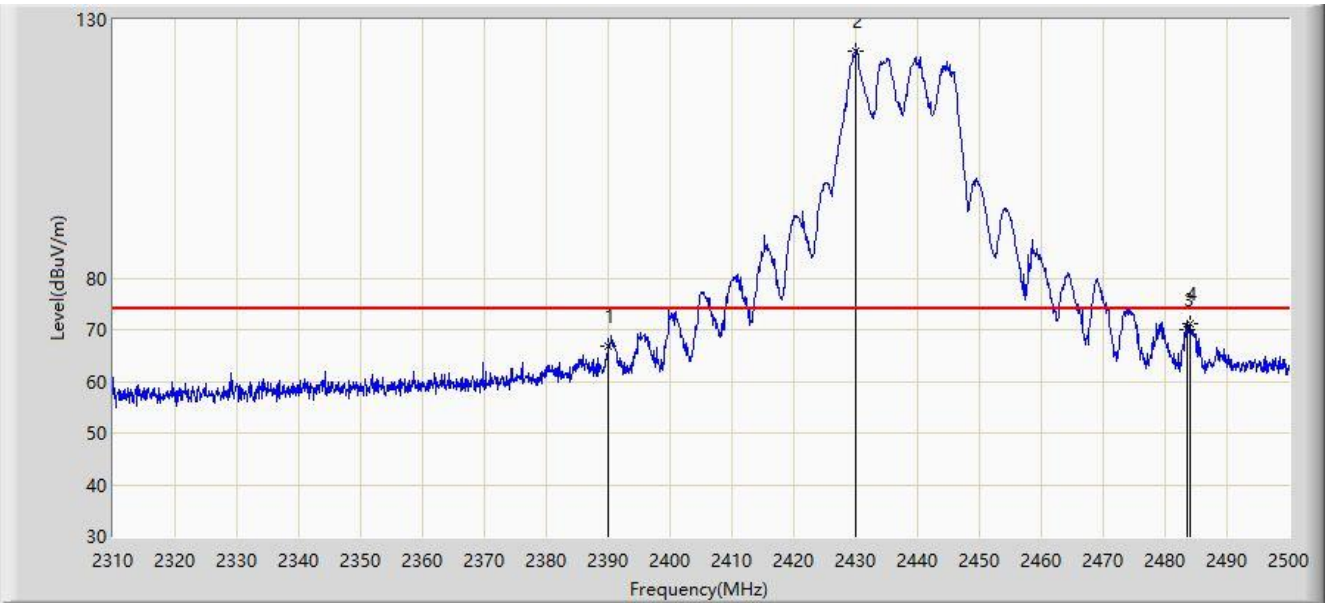

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2390.000 | 46.270 | 14.758 | -7.730 | 54.000 | 31.512 | AV |
| 2 | | 2440.530 | 107.204 | 75.459 | N/A | N/A | 31.745 | AV |
| 3 | | 2483.500 | 48.848 | 16.896 | -5.152 | 54.000 | 31.952 | AV |
| 4 | * | 2484.990 | 49.061 | 17.107 | -4.939 | 54.000 | 31.955 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2437MHz | |



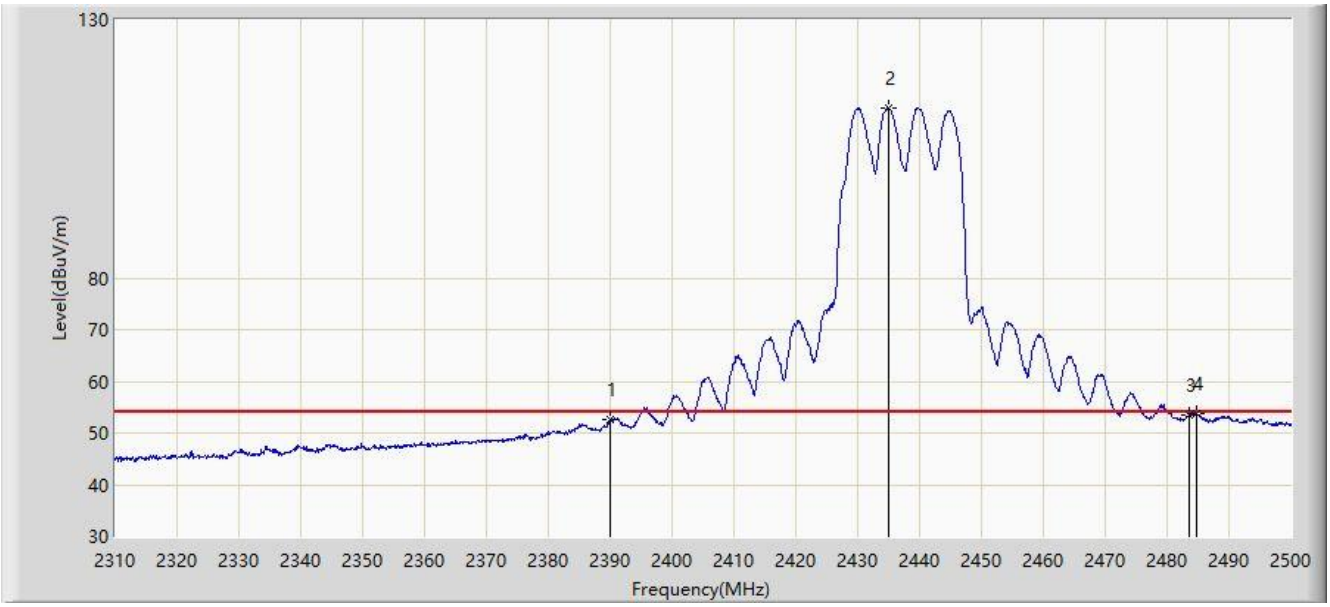

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2390.000 | 66.934 | 35.422 | -7.066 | 74.000 | 31.512 | PK |
| 2 | | 2429.985 | 123.959 | 92.266 | N/A | N/A | 31.693 | PK |
| 3 | | 2483.500 | 69.917 | 37.965 | -4.083 | 74.000 | 31.952 | PK |
| 4 | * | 2484.135 | 71.051 | 39.098 | -2.949 | 74.000 | 31.953 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2437MHz | |



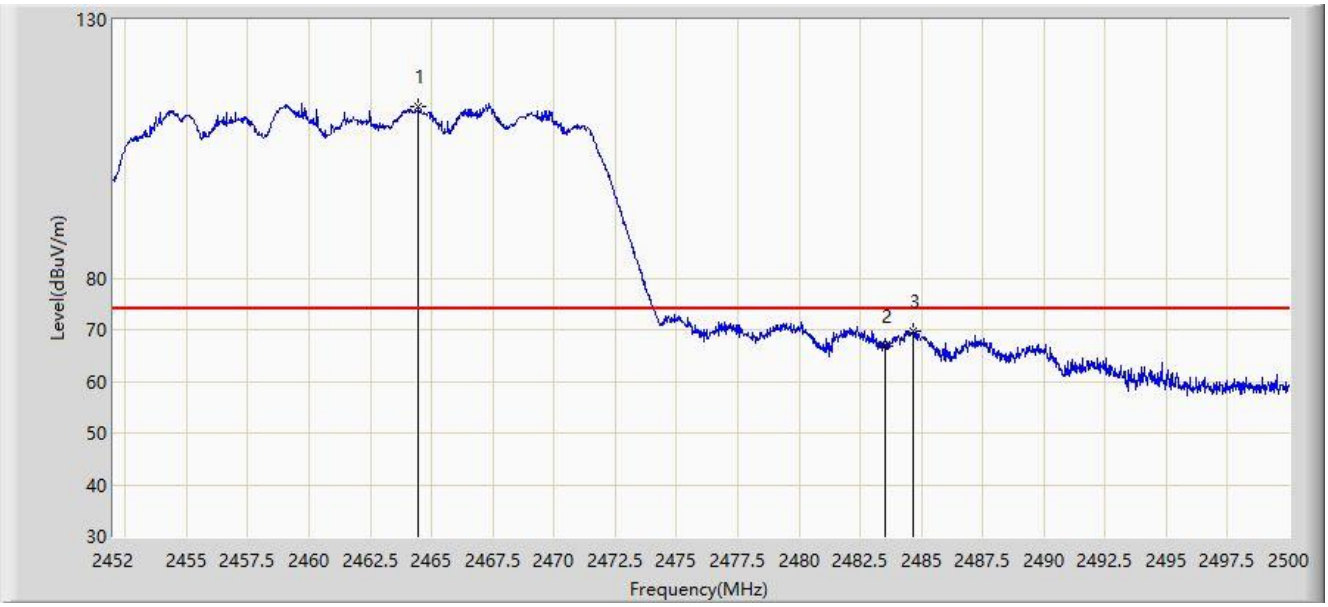

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2390.000 | 52.570 | 21.058 | -1.430 | 54.000 | 31.512 | AV |
| 2 | | 2434.925 | 112.907 | 81.189 | N/A | N/A | 31.718 | AV |
| 3 | | 2483.500 | 53.420 | 21.468 | -0.580 | 54.000 | 31.952 | AV |
| 4 | * | 2484.800 | 53.737 | 21.783 | -0.263 | 54.000 | 31.954 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2462MHz | |



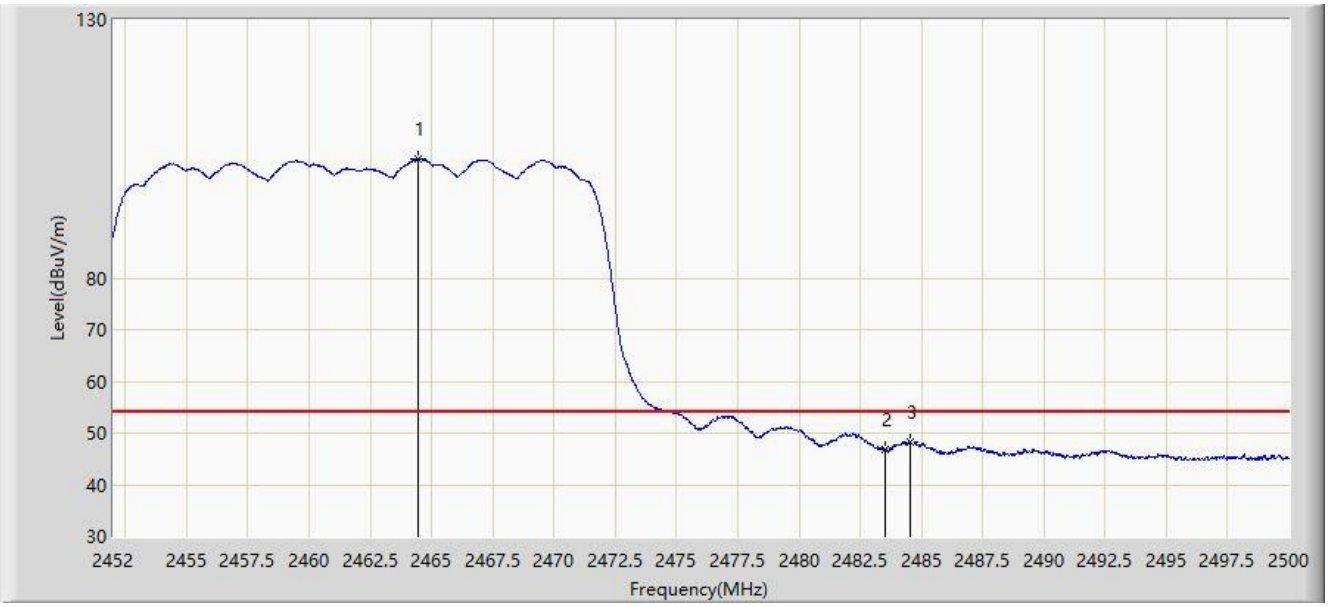

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2464.480 | 113.151 | 80.926 | N/A | N/A | 32.225 | PK |
| 2 | | 2483.500 | 66.718 | 34.413 | -7.282 | 74.000 | 32.305 | PK |
| 3 | * | 2484.640 | 69.687 | 37.376 | -4.313 | 74.000 | 32.311 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2462MHz | |



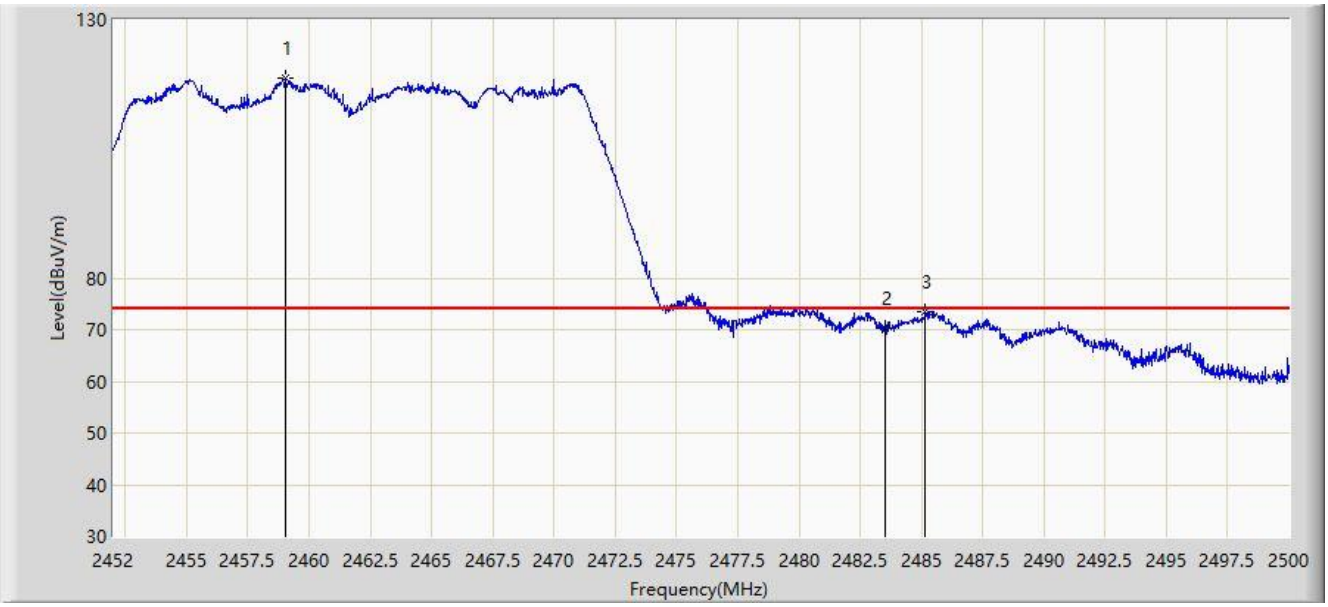

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2464.432 | 102.982 | 70.757 | N/A | N/A | 32.225 | AV |
| 2 | | 2483.500 | 46.941 | 14.636 | -7.059 | 54.000 | 32.305 | AV |
| 3 | * | 2484.520 | 48.284 | 15.974 | -5.716 | 54.000 | 32.310 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2462MHz | |



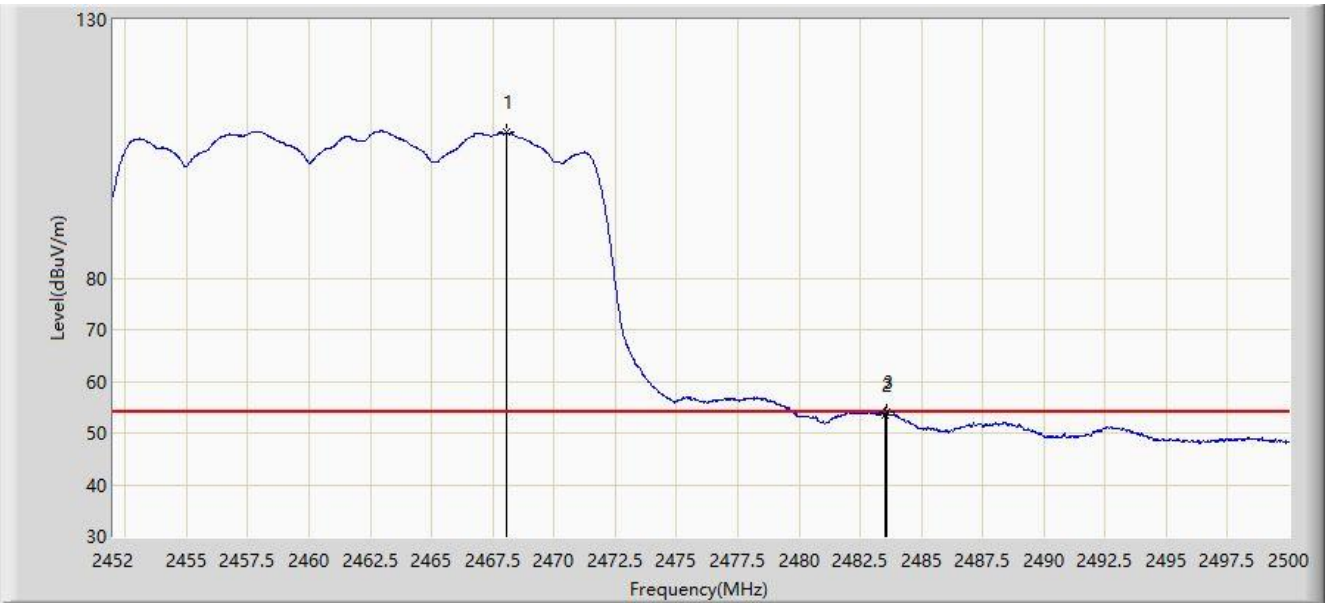

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2459.056 | 118.597 | 86.400 | N/A | N/A | 32.196 | PK |
| 2 | | 2483.500 | 70.408 | 38.103 | -3.592 | 74.000 | 32.305 | PK |
| 3 | * | 2485.168 | 73.395 | 41.081 | -0.605 | 74.000 | 32.313 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE20 at 2462MHz | |



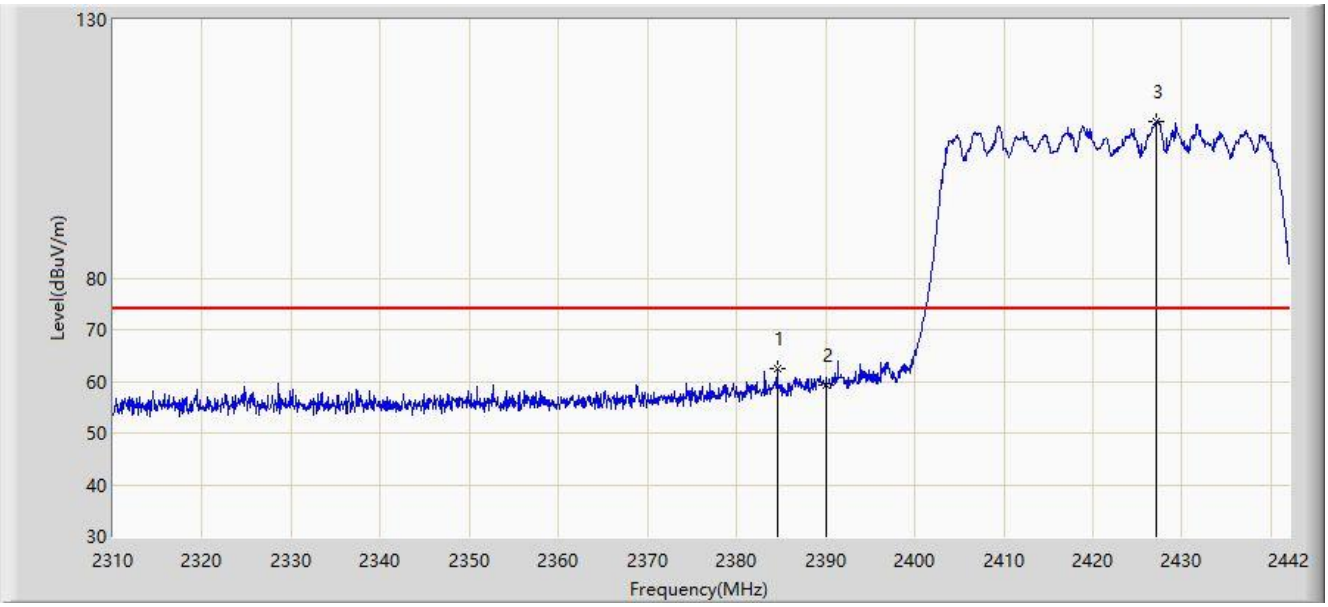

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2468.032 | 108.223 | 75.984 | N/A | N/A | 32.239 | AV |
| 2 | | 2483.500 | 53.611 | 21.306 | -0.389 | 54.000 | 32.305 | AV |
| 3 | * | 2483.560 | 53.917 | 21.612 | -0.083 | 54.000 | 32.305 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2422MHz | |



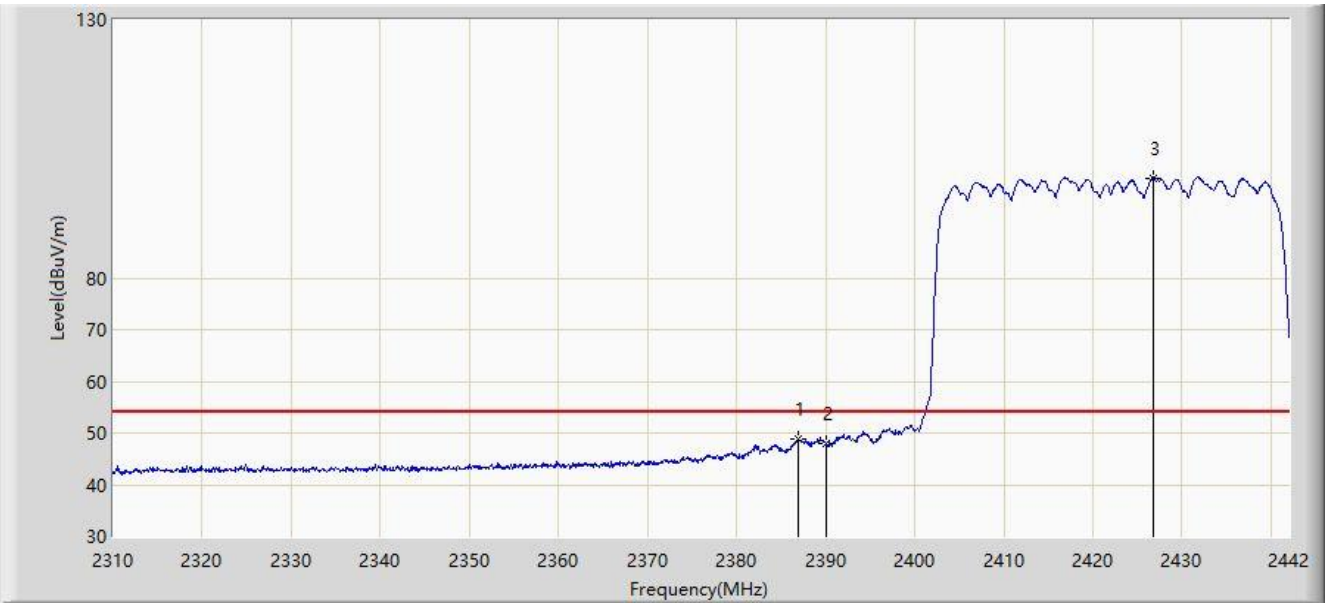

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2384.580 | 62.457 | 30.561 | -11.543 | 74.000 | 31.896 | PK |
| 2 | | 2390.000 | 59.305 | 27.376 | -14.695 | 74.000 | 31.929 | PK |
| 3 | | 2427.084 | 110.309 | 78.243 | N/A | N/A | 32.066 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2422MHz | |



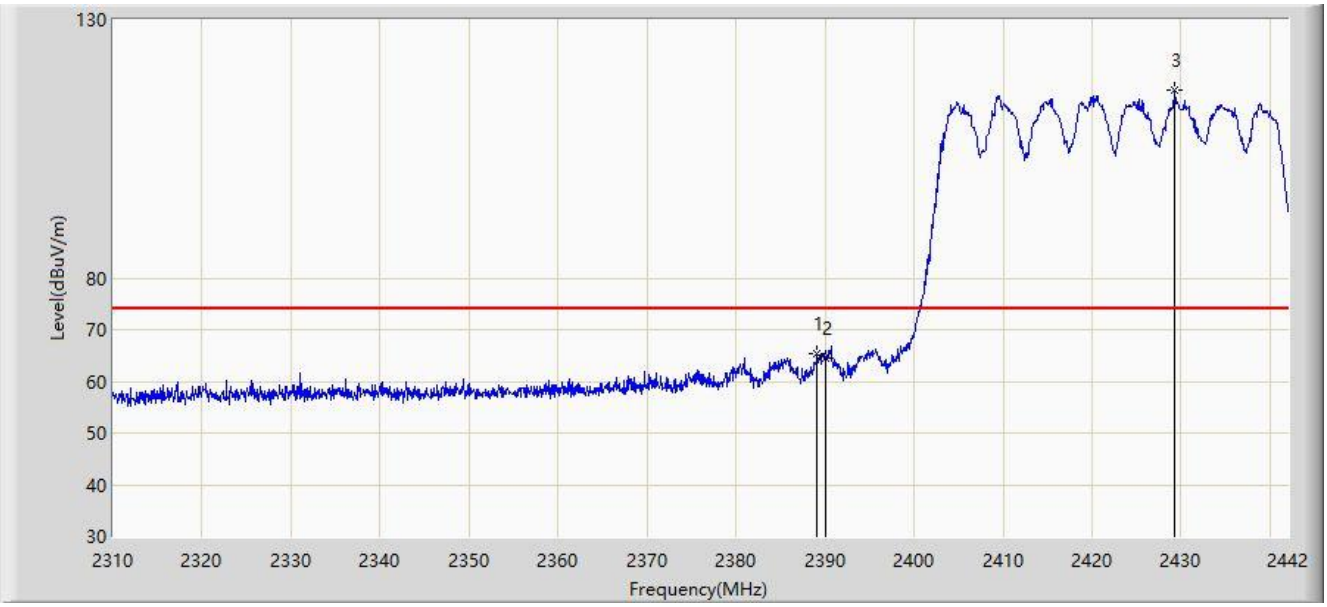

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2386.956 | 48.871 | 16.960 | -5.129 | 54.000 | 31.910 | AV |
| 2 | | 2390.000 | 47.942 | 16.013 | -6.058 | 54.000 | 31.929 | AV |
| 3 | | 2426.754 | 99.412 | 67.346 | N/A | N/A | 32.066 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2422MHz | |



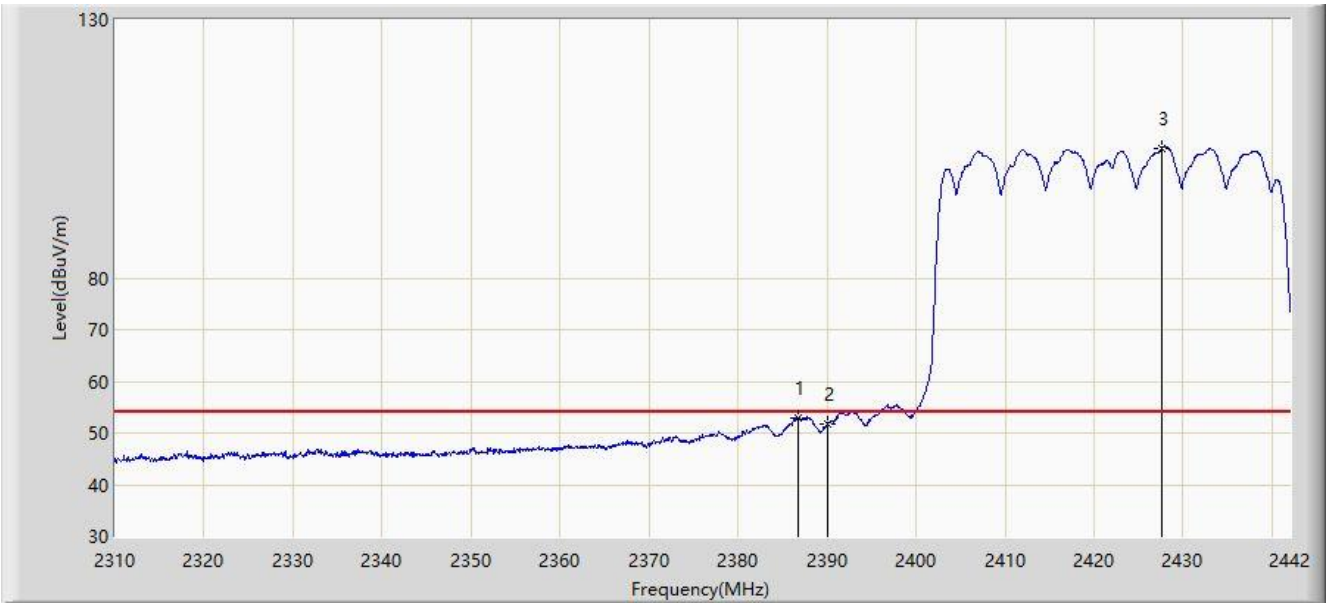

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.068 | 65.482 | 33.559 | -8.518 | 74.000 | 31.923 | PK |
| 2 | | 2390.000 | 64.526 | 32.597 | -9.474 | 74.000 | 31.929 | PK |
| 3 | | 2429.328 | 116.513 | 84.445 | N/A | N/A | 32.069 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2422MHz | |



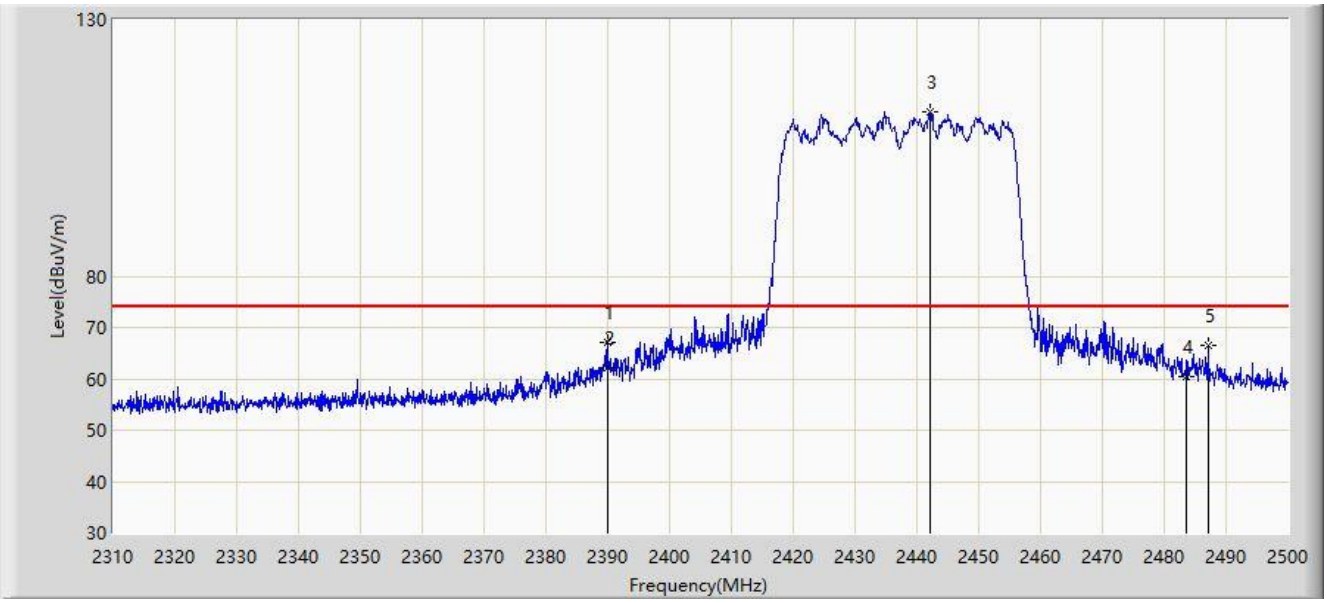

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2386.692 | 53.012 | 21.103 | -0.988 | 54.000 | 31.909 | AV |
| 2 | | 2390.000 | 51.616 | 19.687 | -2.384 | 54.000 | 31.929 | AV |
| 3 | | 2427.546 | 105.018 | 72.953 | N/A | N/A | 32.065 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2437MHz | |



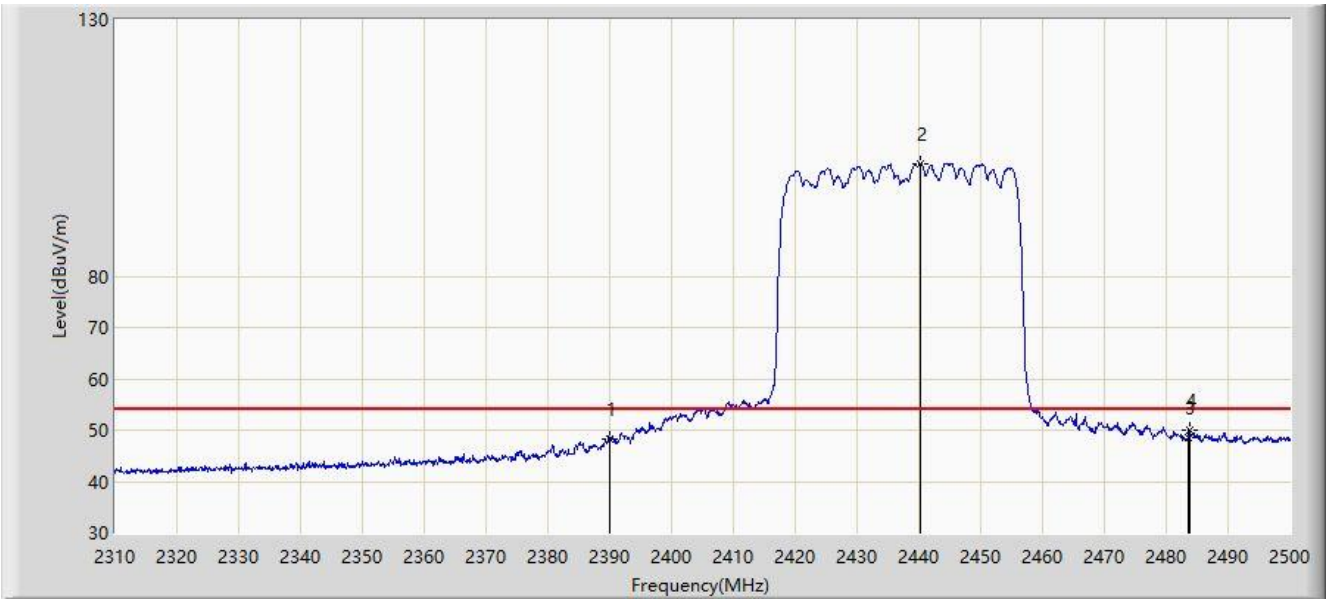

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 2389.895 | 67.086 | 35.576 | -6.914 | 74.000 | 31.510 | PK |
| 2 | | 2390.000 | 62.311 | 30.799 | -11.689 | 74.000 | 31.512 | PK |
| 3 | | 2442.240 | 112.158 | 80.404 | N/A | N/A | 31.754 | PK |
| 4 | | 2483.500 | 60.399 | 28.447 | -13.601 | 74.000 | 31.952 | PK |
| 5 | | 2487.080 | 66.425 | 34.466 | -7.575 | 74.000 | 31.958 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2437MHz | |



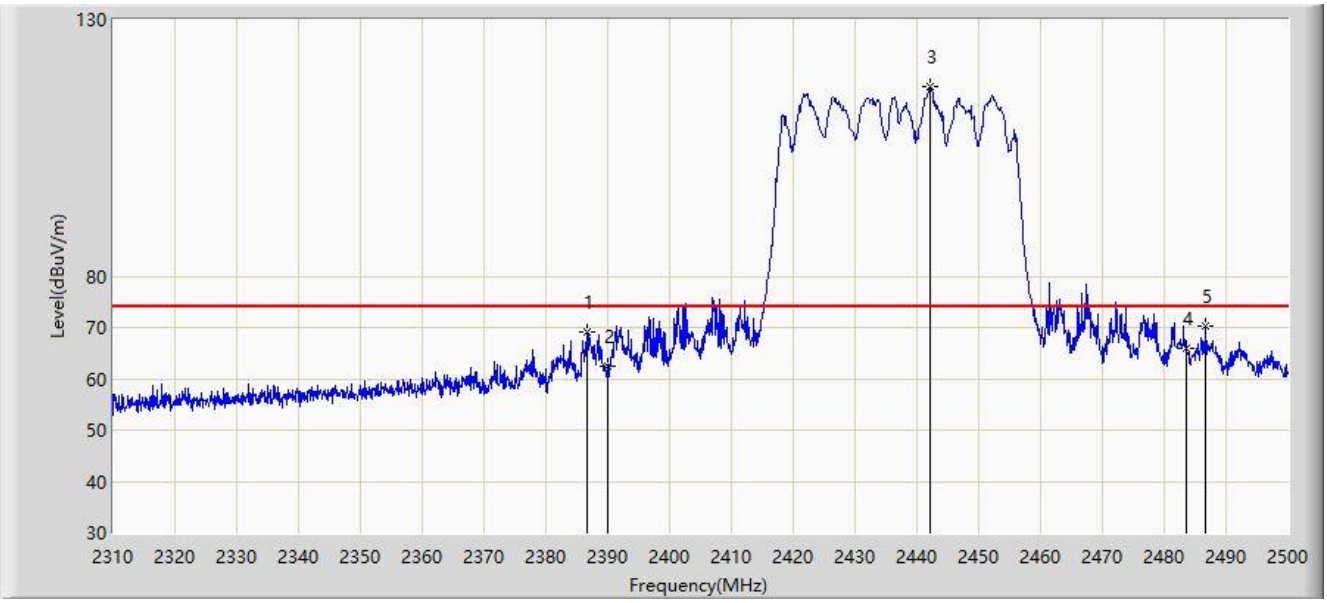

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2390.000 | 48.208 | 16.696 | -5.792 | 54.000 | 31.512 | AV |
| 2 | | 2440.340 | 101.935 | 70.191 | N/A | N/A | 31.744 | AV |
| 3 | | 2483.500 | 48.510 | 16.558 | -5.490 | 54.000 | 31.952 | AV |
| 4 | * | 2483.755 | 49.905 | 17.953 | -4.095 | 54.000 | 31.952 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2437MHz | |



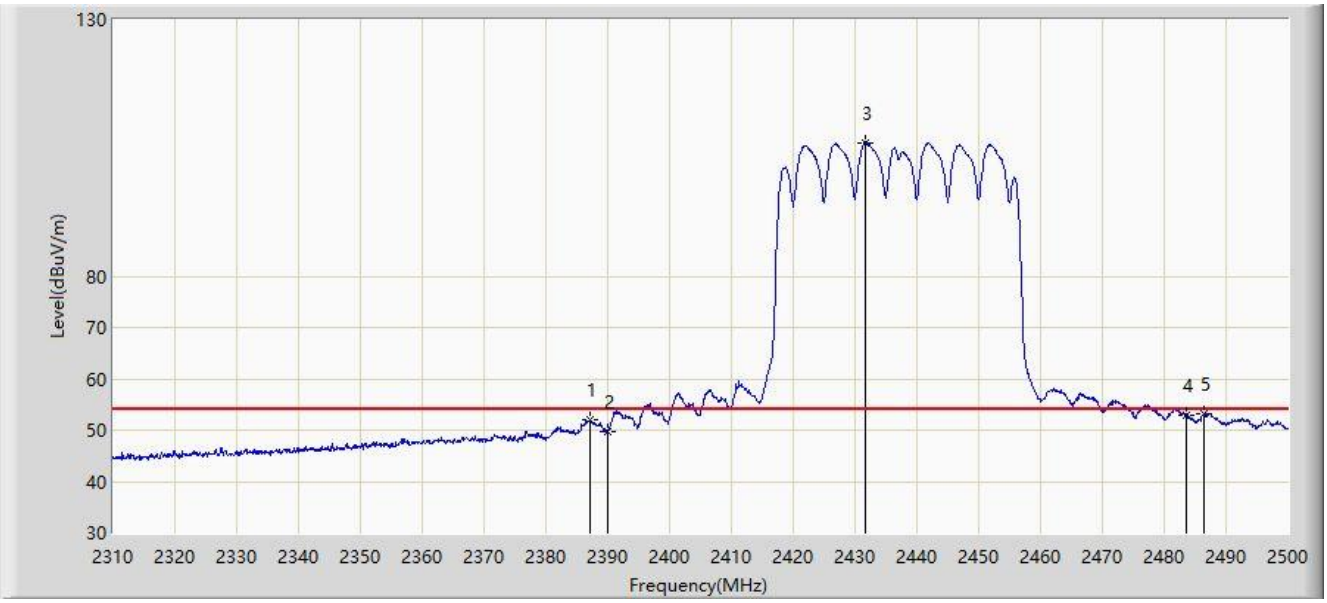

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2386.760 | 69.117 | 37.673 | -4.883 | 74.000 | 31.444 | PK |
| 2 | | 2390.000 | 62.483 | 30.971 | -11.517 | 74.000 | 31.512 | PK |
| 3 | | 2442.240 | 116.831 | 85.077 | N/A | N/A | 31.754 | PK |
| 4 | | 2483.500 | 65.863 | 33.911 | -8.137 | 74.000 | 31.952 | PK |
| 5 | * | 2486.700 | 70.396 | 38.438 | -3.604 | 74.000 | 31.957 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC1 | Test Date: 2022-11-07 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Mero Zhou |
| Probe: HF907_102862_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2437MHz | |



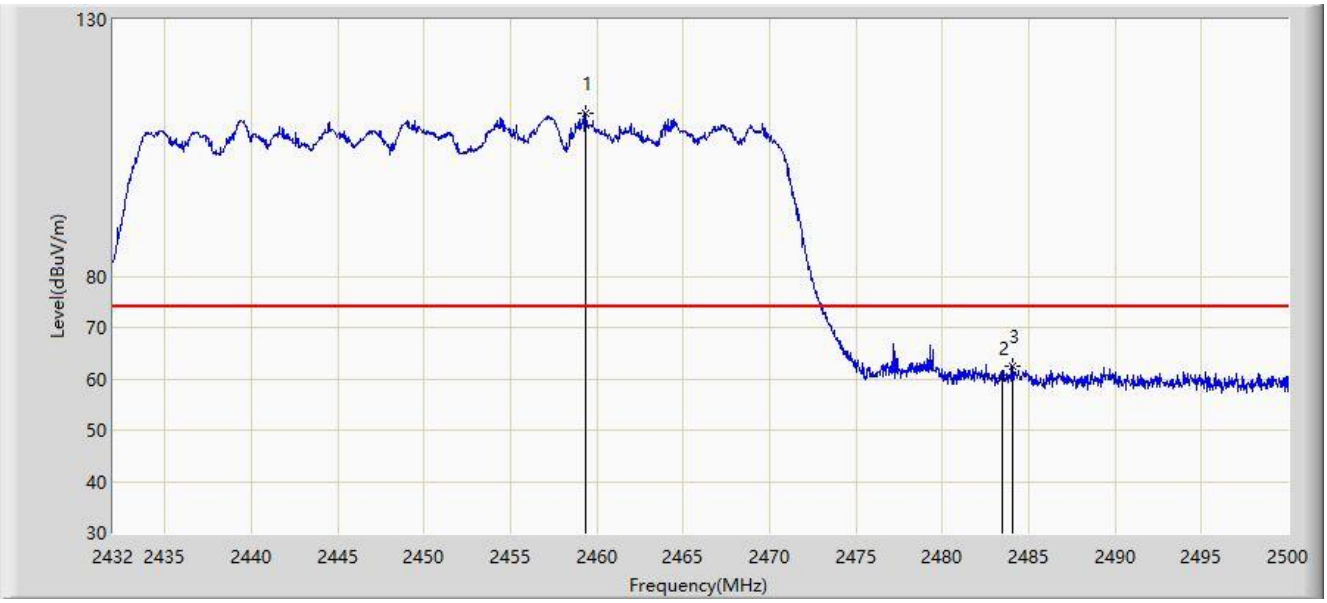

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2387.140 | 51.927 | 20.475 | -2.073 | 54.000 | 31.452 | AV |
| 2 | | 2390.000 | 49.658 | 18.146 | -4.342 | 54.000 | 31.512 | AV |
| 3 | | 2431.600 | 106.055 | 74.354 | N/A | N/A | 31.702 | AV |
| 4 | | 2483.500 | 53.023 | 21.071 | -0.977 | 54.000 | 31.952 | AV |
| 5 | * | 2486.510 | 53.240 | 21.283 | -0.760 | 54.000 | 31.958 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2452MHz | |



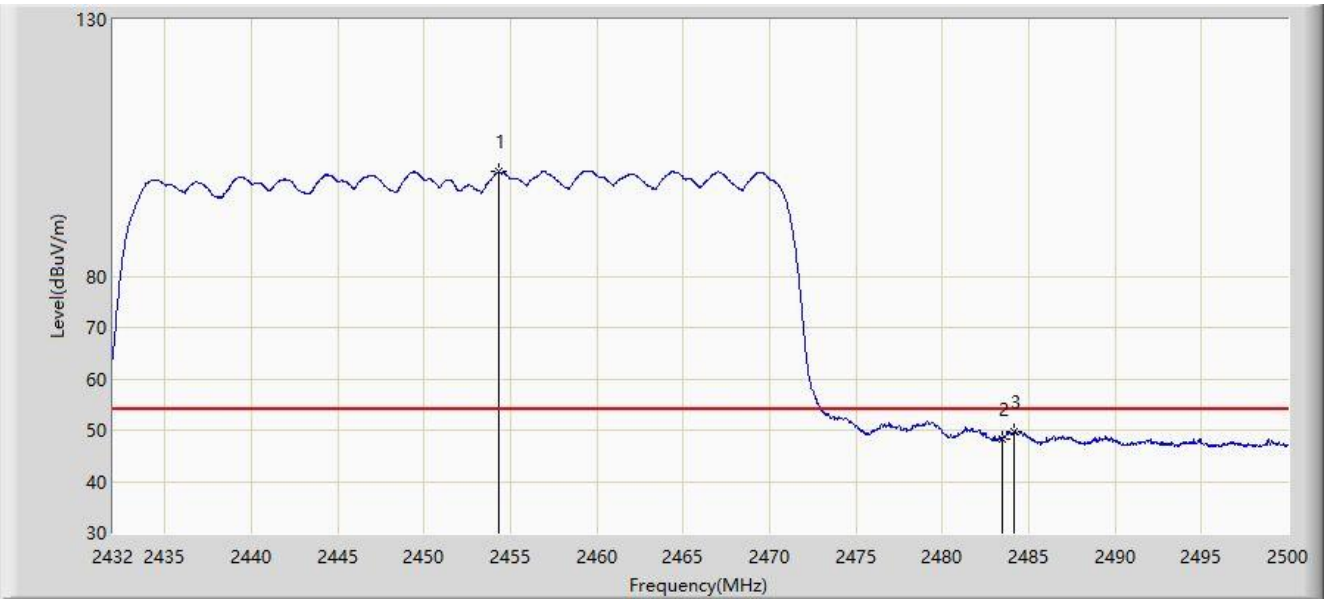

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2459.336 | 111.838 | 79.639 | N/A | N/A | 32.198 | PK |
| 2 | | 2483.500 | 60.025 | 27.720 | -13.975 | 74.000 | 32.305 | PK |
| 3 | * | 2484.088 | 62.369 | 30.061 | -11.631 | 74.000 | 32.308 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Horizontal |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2452MHz | |



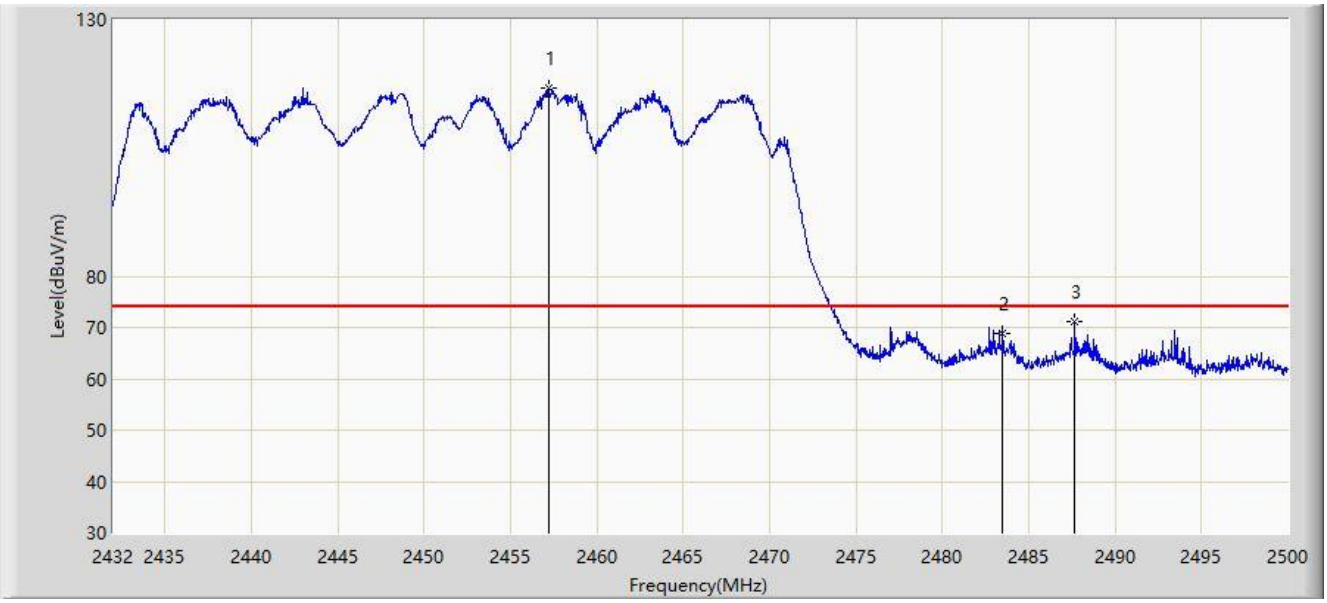

| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2454.338 | 100.367 | 68.200 | N/A | N/A | 32.168 | AV |
| 2 | | 2483.500 | 48.288 | 15.983 | -5.712 | 54.000 | 32.305 | AV |
| 3 | * | 2484.190 | 49.732 | 17.423 | -4.268 | 54.000 | 32.308 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2452MHz | |



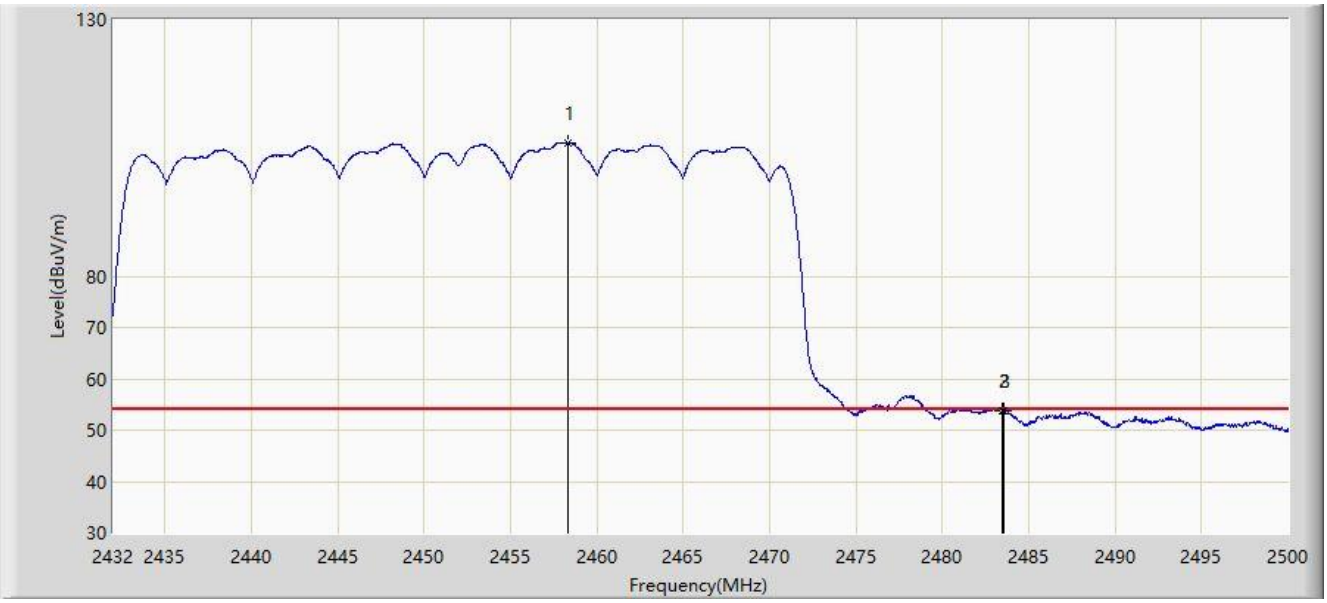

| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2457.262 | 116.577 | 84.391 | N/A | N/A | 32.185 | PK |
| 2 | | 2483.500 | 68.721 | 36.416 | -5.279 | 74.000 | 32.305 | PK |
| 3 | * | 2487.658 | 71.254 | 38.928 | -2.746 | 74.000 | 32.326 | PK |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

| | |
|---|---|
| Site: SIP-AC3 | Test Date: 2022-11-06 |
| Limit: FCC_2.4G_RE(3m) | Engineer: Arvin Ding |
| Probe: HF907_102861_1-18GHz | Polarity: Vertical |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ax-HE40 at 2452MHz | |




| No | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2458.316 | 105.979 | 73.787 | N/A | N/A | 32.192 | AV |
| 2 | | 2483.500 | 53.859 | 21.554 | -0.141 | 54.000 | 32.305 | AV |
| 3 | * | 2483.578 | 53.872 | 21.566 | -0.128 | 54.000 | 32.305 | AV |

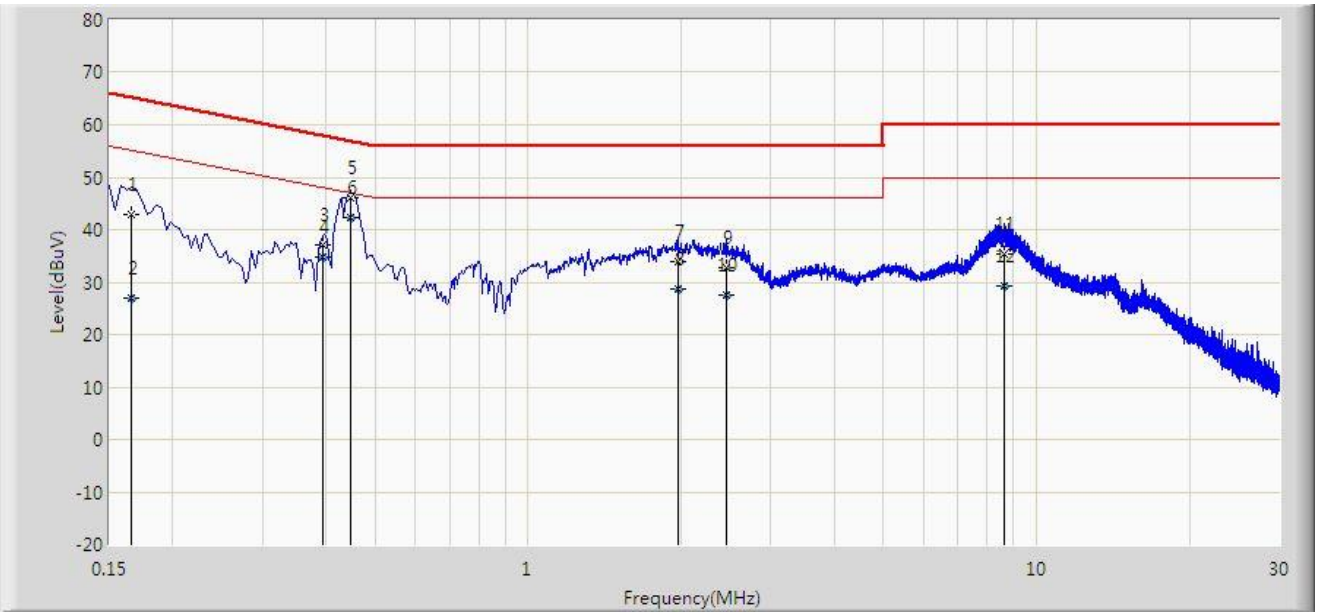
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

### A.8 AC Conducted Emissions Test Result

| | |
|---|---|
| Site: SIP-SR2 | Time: 2022/11/17 - 16:18 |
| Temperature: 22.4°C | Humidity: 61.9% |
| Limit: FCC_Part15.207_CE_AC Power_Class B | Engineer: Miron Ding |
| Probe: SIP-SR2-ENV216_101684_E | Polarity: Line |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| **Test Mode:** Transmit by 802.11b at 2437MHz | |



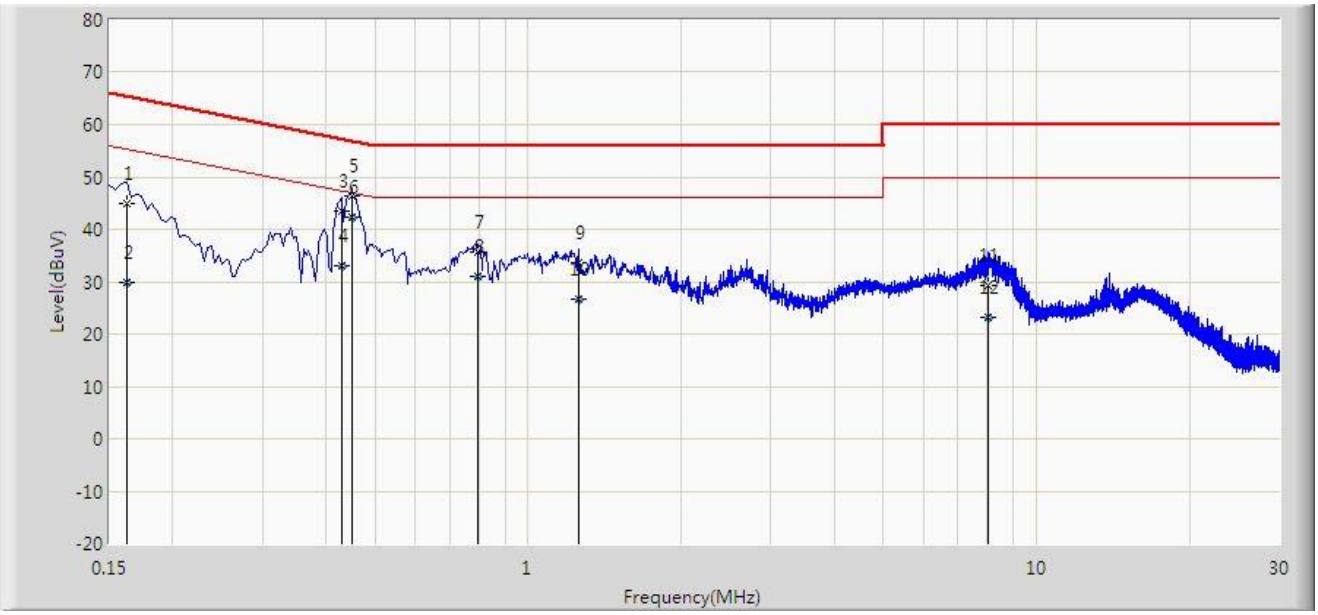

| No | Mark | Frequency (MHz) | Measure Level (dBµV) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.166 | 42.953 | 33.218 | -22.206 | 65.158 | 9.735 | QP |
| 2 | | 0.166 | 26.814 | 17.079 | -28.344 | 55.158 | 9.735 | AV |
| 3 | | 0.394 | 37.201 | 27.379 | -20.778 | 57.979 | 9.822 | QP |
| 4 | | 0.394 | 34.653 | 24.832 | -13.326 | 47.979 | 9.822 | AV |
| 5 | | 0.448 | 46.224 | 36.400 | -10.688 | 56.912 | 9.824 | QP |
| 6 | * | 0.448 | 42.424 | 32.600 | -4.488 | 46.912 | 9.824 | AV |
| 7 | | 1.966 | 33.899 | 23.962 | -22.101 | 56.000 | 9.938 | QP |
| 8 | | 1.966 | 28.627 | 18.690 | -17.373 | 46.000 | 9.938 | AV |
| 9 | | 2.446 | 32.873 | 22.896 | -23.127 | 56.000 | 9.977 | QP |
| 10 | | 2.446 | 27.669 | 17.693 | -18.331 | 46.000 | 9.977 | AV |
| 11 | | 8.610 | 35.468 | 24.793 | -24.532 | 60.000 | 10.675 | QP |
| 12 | | 8.610 | 29.356 | 18.681 | -20.644 | 50.000 | 10.675 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

| | |
|---|---|
| Site: SIP-SR2 | Time: 2022/11/17 - 16:37 |
| Temperature: 22.4°C | Humidity: 61.9% |
| Limit: FCC_Part15.207_CE_AC Power_Class B | Engineer: Miron Ding |
| Probe: SIP-SR2-ENV216_101684_E | Polarity: Neutral |
| EUT: Residential Cable Gateway | Power: AC 120V/60Hz |
| **Test Mode:** Transmit by 802.11b at 2437MHz | |




| No | Mark | Frequency (MHz) | Measure Level (dBµV) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.162 | 44.964 | 35.227 | -20.397 | 65.361 | 9.737 | QP |
| 2 | | 0.162 | 29.806 | 20.068 | -25.555 | 55.361 | 9.737 | AV |
| 3 | | 0.430 | 43.444 | 33.626 | -13.808 | 57.253 | 9.818 | QP |
| 4 | | 0.430 | 33.040 | 23.222 | -14.213 | 47.253 | 9.818 | AV |
| 5 | | 0.449 | 46.319 | 36.500 | -10.575 | 56.894 | 9.819 | QP |
| 6 | * | 0.449 | 42.219 | 32.400 | -4.675 | 46.894 | 9.819 | AV |
| 7 | | 0.798 | 35.621 | 25.782 | -20.379 | 56.000 | 9.840 | QP |
| 8 | | 0.798 | 30.996 | 21.156 | -15.004 | 46.000 | 9.840 | AV |
| 9 | | 1.254 | 33.593 | 23.718 | -22.407 | 56.000 | 9.875 | QP |
| 10 | | 1.254 | 26.771 | 16.895 | -19.229 | 46.000 | 9.875 | AV |
| 11 | | 8.042 | 29.366 | 18.793 | -30.634 | 60.000 | 10.573 | QP |
| 12 | | 8.042 | 23.232 | 12.658 | -26.768 | 50.000 | 10.573 | AV |

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

## Appendix B – Test Setup Photograph

Refer to “2209RSU020-UT” file.

## Appendix C – EUT Photograph

Refer to “2209RSU020-UE” file.

The End