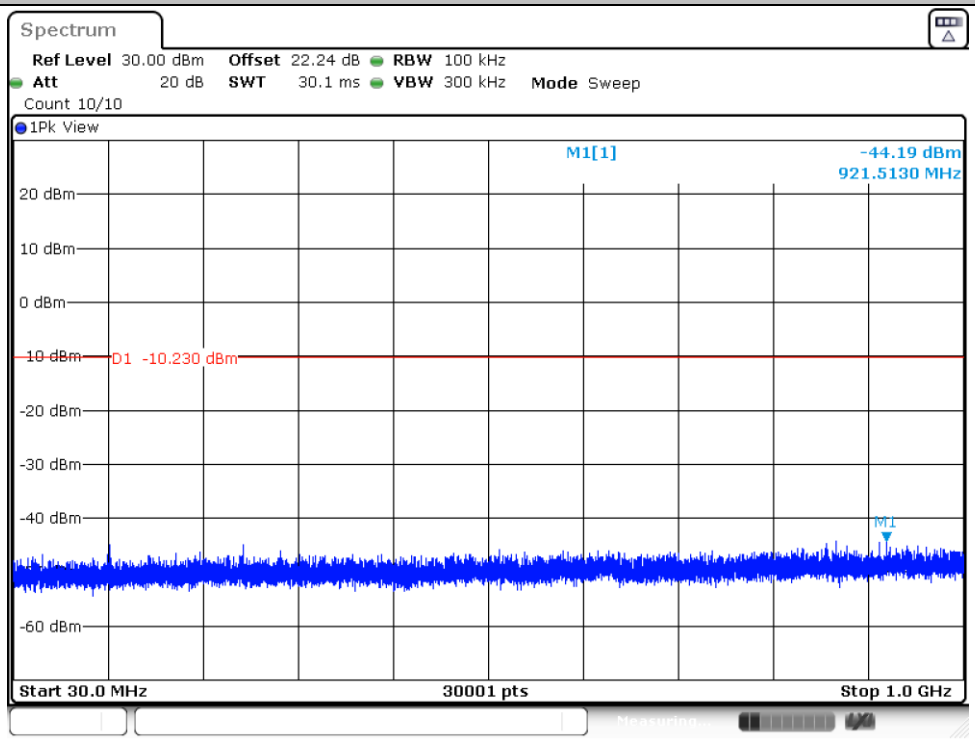
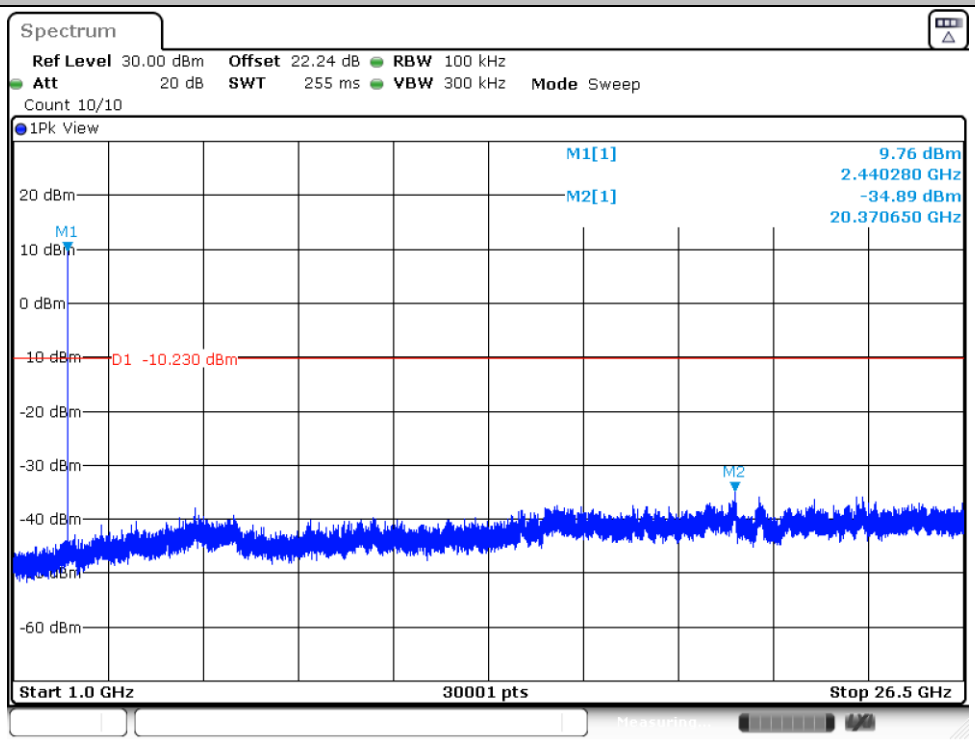
BLE_125K_Ant1_2440_30~1000



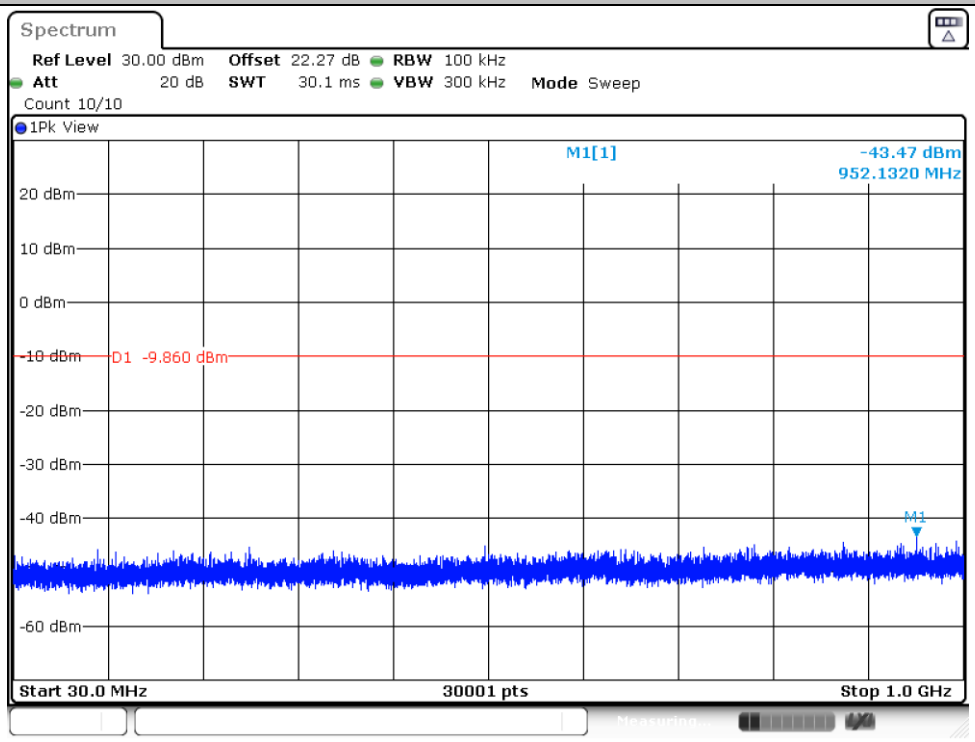

Date: 1.APR.2026 20:18:54

BLE_125K_Ant1_2440_1000~26500



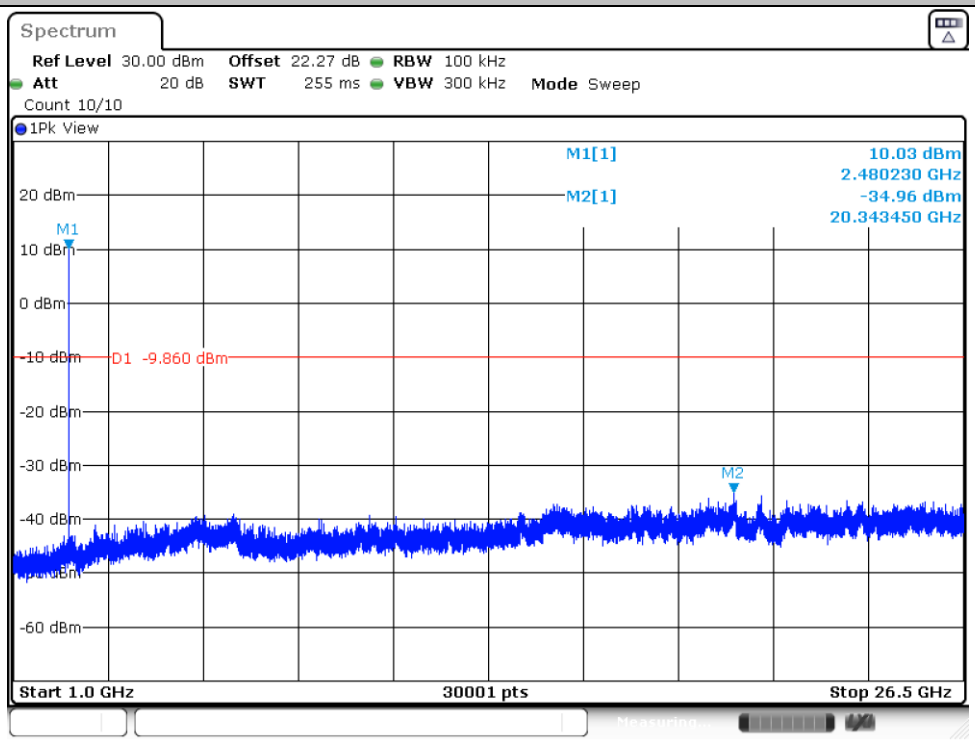

Date: 1.APR.2026 20:19:10

BLE_125K_Ant1_2480_30~1000



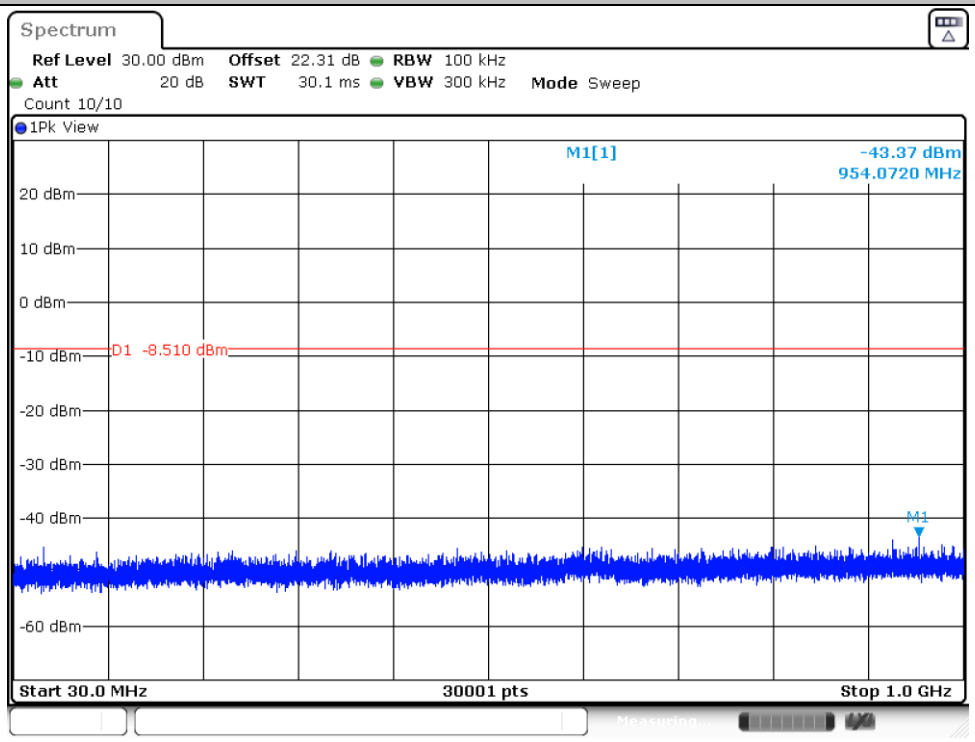

Date: 1.APR.2026 20:20:40

BLE_125K_Ant1_2480_1000~26500



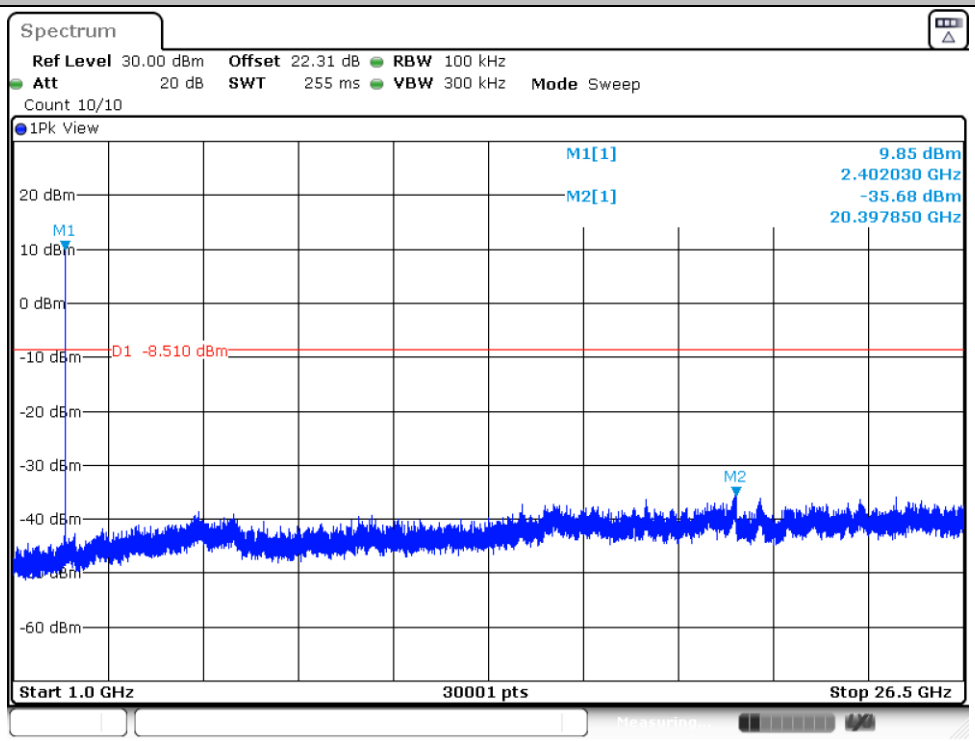

Date: 1.APR.2026 20:20:55

BLE_500K_Ant1_2402_30~1000



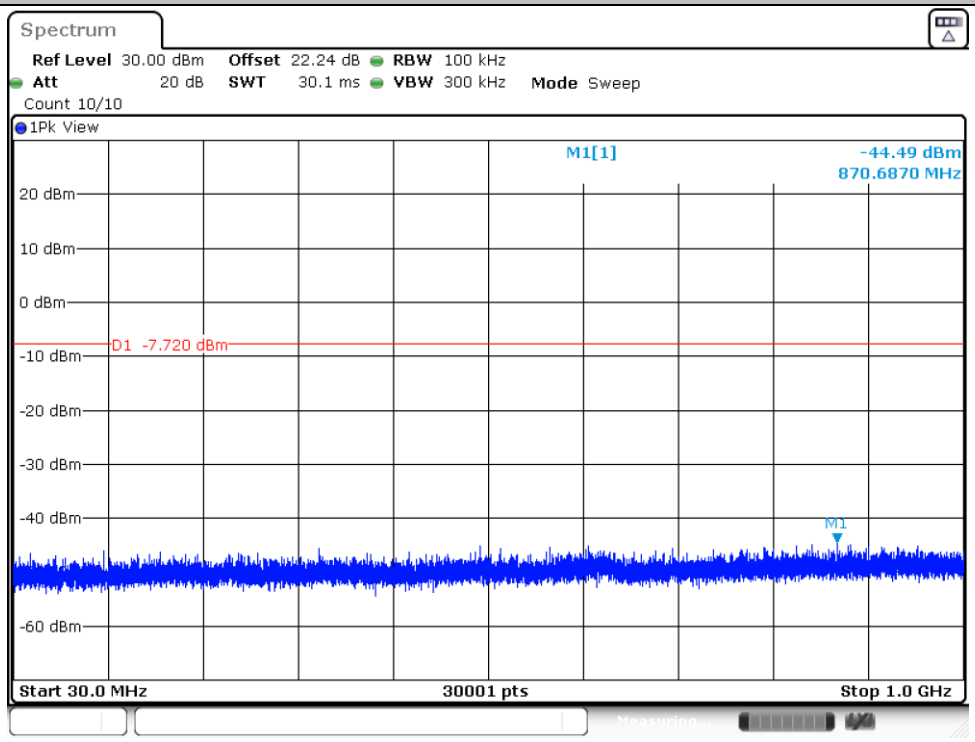

Date: 1.APR.2026 20:22:35

BLE_500K_Ant1_2402_1000~26500



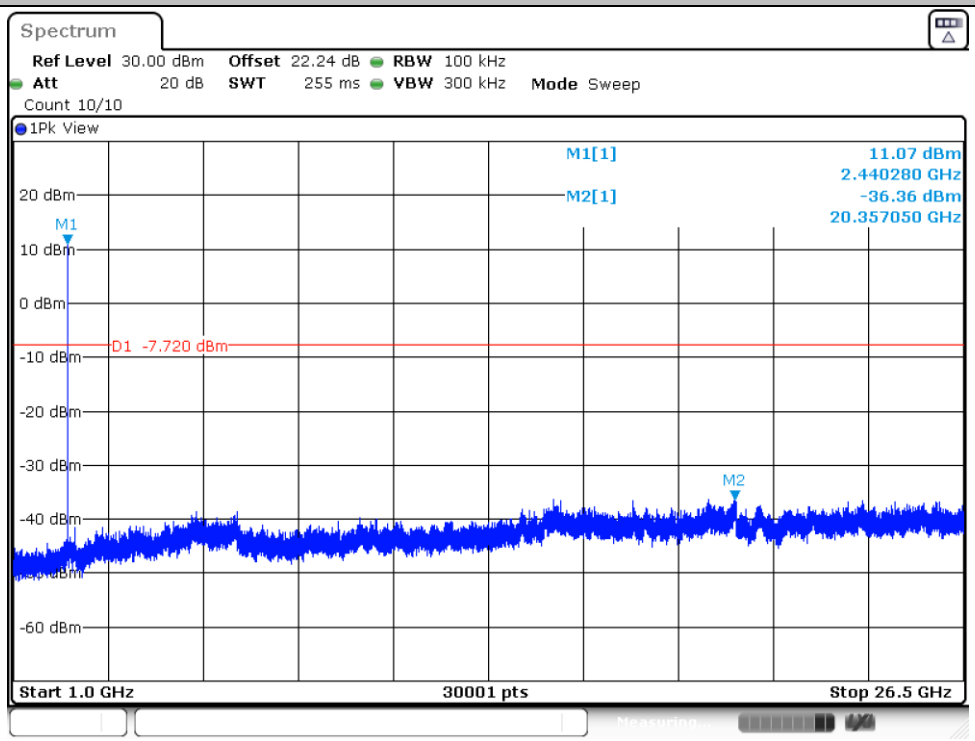

Date: 1.APR.2026 20:22:51

BLE_500K_Ant1_2440_30~1000



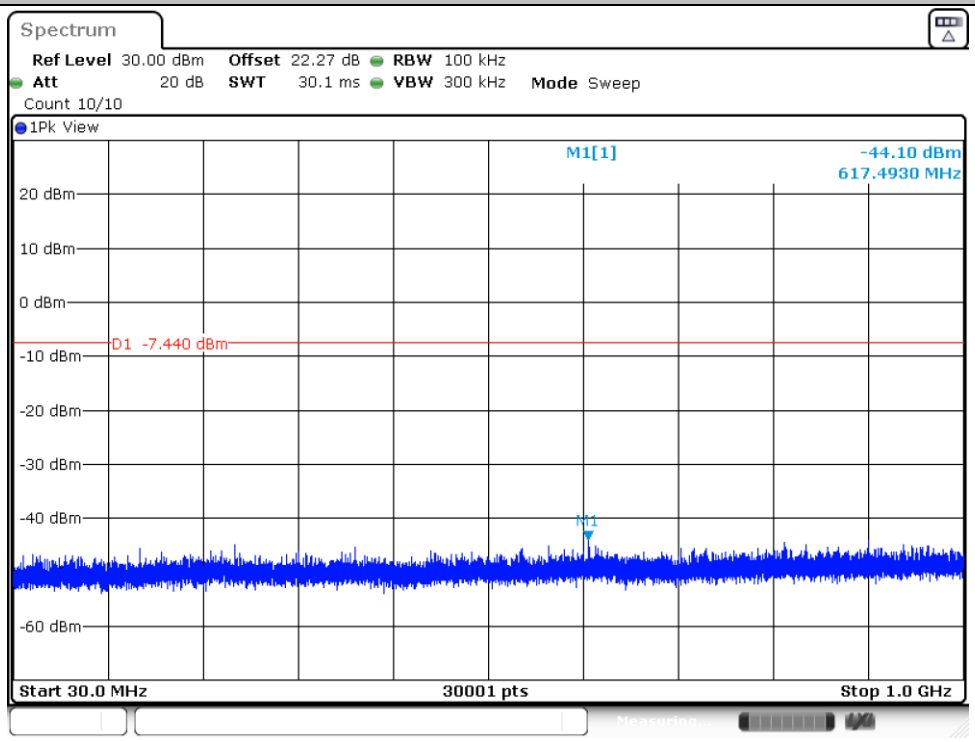

Date: 1.APR.2026 20:24:13

BLE_500K_Ant1_2440_1000~26500



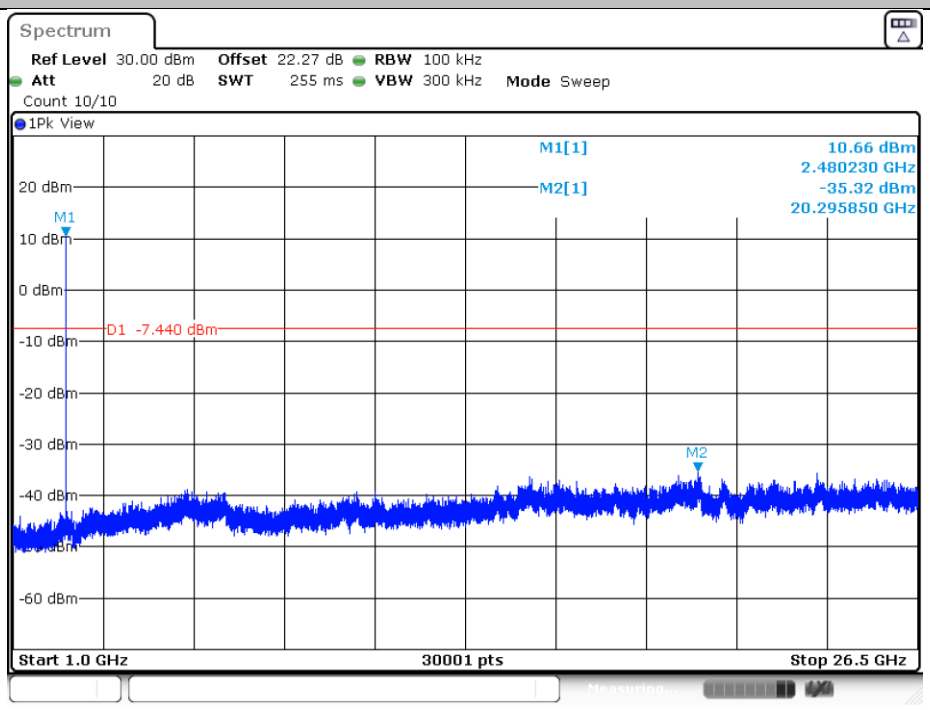

Date: 1.APR.2026 20:24:28

BLE_500K_Ant1_2480_30~1000




Date: 1.APR.2026 20:26:02

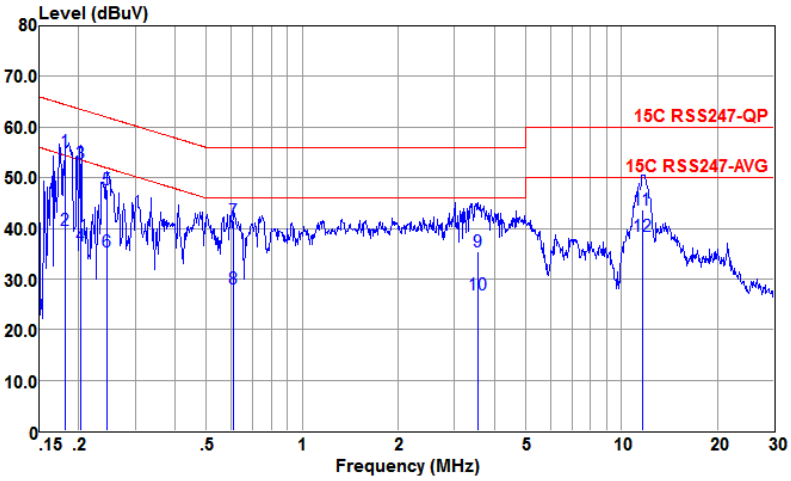
BLE_500K_Ant1_2480_1000~26500




Date: 1.APR.2026 20:26:18

# Appendix B. AC Conducted Emission Test Results

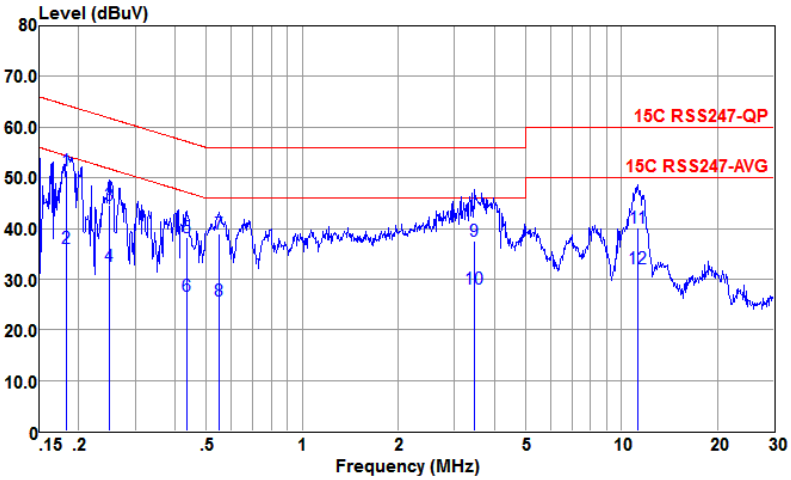
| | | | |
|---|---|---|---|
| **Test Engineer :** | Amos | **Temperature :** | 25.3~26.2℃ |
| | | **Relative Humidity :** | 38~40% |
| **Test Voltage :** | 120Vac / 60Hz | **Phase :** | Line |
| **Remark :** | All emissions not reported here are more than 10 dB below the prescribed limit. | | |




Site : CO01-KS
Condition : 15C RSS247-QP LISN-100334-L 2025 LINE

| | | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | * | 0.182 | 55.21 | -9.21 | 64.42 | 35.20 | 9.55 | 10.46 | QP |
| 2 | | 0.182 | 39.61 | -14.81 | 54.42 | 19.60 | 9.55 | 10.46 | Average |
| 3 | | 0.203 | 52.92 | -10.57 | 63.49 | 32.90 | 9.56 | 10.46 | QP |
| 4 | | 0.203 | 36.62 | -16.87 | 53.49 | 16.60 | 9.56 | 10.46 | Average |
| 5 | | 0.246 | 47.69 | -14.22 | 61.91 | 27.60 | 9.62 | 10.47 | QP |
| 6 | | 0.246 | 35.29 | -16.62 | 51.91 | 15.20 | 9.62 | 10.47 | Average |
| 7 | | 0.611 | 41.46 | -14.54 | 56.00 | 21.50 | 9.59 | 10.37 | QP |
| 8 | | 0.611 | 28.16 | -17.84 | 46.00 | 8.20 | 9.59 | 10.37 | Average |
| 9 | | 3.547 | 35.32 | -20.68 | 56.00 | 15.50 | 9.61 | 10.21 | QP |
| 10 | | 3.547 | 26.92 | -19.08 | 46.00 | 7.10 | 9.61 | 10.21 | Average |
| 11 | | 11.621 | 43.71 | -16.29 | 60.00 | 23.61 | 9.85 | 10.25 | QP |
| 12 | | 11.621 | 38.41 | -11.59 | 50.00 | 18.31 | 9.85 | 10.25 | Average |

| | | | |
|---|---|---|---|
| **Test Engineer :** | Amos | **Temperature :** | 25.3~26.2℃ |
| | | **Relative Humidity :** | 38~40% |
| **Test Voltage :** | 120Vac / 60Hz | **Phase :** | Neutral |
| **Remark :** | All emissions not reported here are more than 10 dB below the prescribed limit. | | |




Site : CO01-KS
Condition : 15C RSS247-QP LISN-100334-N 2025 NEUTRAL

| | | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | * | 0.183 | 51.53 | -12.80 | 64.33 | 31.50 | 9.57 | 10.46 | QP |
| 2 | | 0.183 | 36.23 | -18.10 | 54.33 | 16.20 | 9.57 | 10.46 | Average |
| 3 | | 0.248 | 44.73 | -17.09 | 61.82 | 24.60 | 9.66 | 10.47 | QP |
| 4 | | 0.248 | 32.63 | -19.19 | 51.82 | 12.50 | 9.66 | 10.47 | Average |
| 5 | | 0.435 | 38.33 | -18.82 | 57.15 | 18.20 | 9.67 | 10.46 | QP |
| 6 | | 0.435 | 26.73 | -20.42 | 47.15 | 6.60 | 9.67 | 10.46 | Average |
| 7 | | 0.549 | 38.96 | -17.04 | 56.00 | 18.80 | 9.77 | 10.39 | QP |
| 8 | | 0.549 | 25.76 | -20.24 | 46.00 | 5.60 | 9.77 | 10.39 | Average |
| 9 | | 3.472 | 37.47 | -18.53 | 56.00 | 17.60 | 9.65 | 10.22 | QP |
| 10 | | 3.472 | 28.07 | -17.93 | 46.00 | 8.20 | 9.65 | 10.22 | Average |
| 11 | | 11.257 | 40.15 | -19.85 | 60.00 | 20.20 | 9.70 | 10.25 | QP |
| 12 | | 11.257 | 32.15 | -17.85 | 50.00 | 12.20 | 9.70 | 10.25 | Average |

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

## Appendix C Radiated Spurious Emission Test Data

| Test Engineer : | Maven | Relative Humidity : | 52~56% |
|---|---|---|---|
| | | Temperature : | 22~ 25℃ |

### Radiated Spurious Emission Test Modes

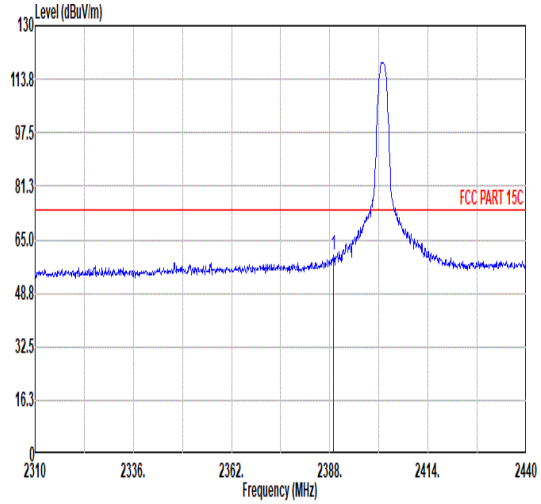
| Mode | Band (MHz) | Antenna | Modulation | Channel | Frequency | Data Rate | RU | Remark |
|---|---|---|---|---|---|---|---|---|
| Mode 1 | 2400-2483.5 | 1 | Bluetooth-LE_GFSK | 0 | 2402 | 500Kbps | - | - |
| Mode 2 | 2400-2483.5 | 1 | Bluetooth-LE_GFSK | 19 | 2440 | 500Kbps | - | - |
| Mode 3 | 2400-2483.5 | 1 | Bluetooth-LE_GFSK | 39 | 2480 | 500Kbps | - | - |
| Mode 4 | 2400-2483.5 | 1 | Bluetooth-LE_GFSK | 0 | 2402 | 2Mbps | - | - |
| Mode 5 | 2400-2483.5 | 1 | Bluetooth-LE_GFSK | 19 | 2440 | 2Mbps | - | - |
| Mode 6 | 2400-2483.5 | 1 | Bluetooth-LE_GFSK | 39 | 2480 | 2Mbps | - | - |
| Mode 7 | 2400-2483.5 | 1 | Bluetooth-LE_GFSK | 1 | 2404 | 2Mbps | - | - |

# Summary of each worse mode

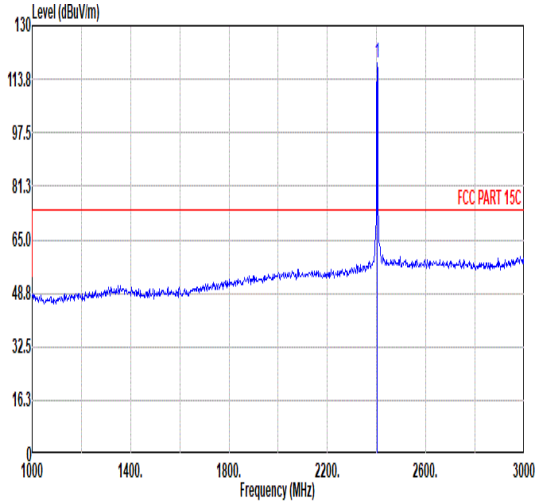
| Mode | Modulation | Ch. | Freq. (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pol. | Peak Avg. | Result | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Bluetooth-LE_GFSK | 0 | 2389.95 | 47.51 | 54.00 | -6.49 | H | AVERAGE | Pass | Band Edge |
| 1 | Bluetooth-LE_GFSK | 0 | 4804.00 | 45.96 | 54.00 | -8.04 | V | AVERAGE | Pass | Harmonic |
| 2 | Bluetooth-LE_GFSK | 19 | - | - | - | - | - | - | - | Band Edge |
| 2 | Bluetooth-LE_GFSK | 19 | 4880.00 | 49.04 | 54.00 | -4.96 | V | AVERAGE | Pass | Harmonic |
| 3 | Bluetooth-LE_GFSK | 39 | 2483.50 | 51.75 | 54.00 | -2.25 | H | AVERAGE | Pass | Band Edge |
| 3 | Bluetooth-LE_GFSK | 39 | 4960.00 | 49.23 | 54.00 | -4.77 | V | AVERAGE | Pass | Harmonic |
| 4 | Bluetooth-LE_GFSK | 0 | 2389.95 | 47.20 | 54.00 | -6.80 | H | AVERAGE | Pass | Band Edge |
| 4 | Bluetooth-LE_GFSK | 0 | 4804.00 | 48.81 | 54.00 | -5.19 | H | AVERAGE | Pass | Harmonic |
| 5 | Bluetooth-LE_GFSK | 19 | - | - | - | - | - | - | - | Band Edge |
| 5 | Bluetooth-LE_GFSK | 19 | 4880.00 | 47.13 | 54.00 | -6.87 | V | AVERAGE | Pass | Harmonic |
| 6 | Bluetooth-LE_GFSK | 39 | 2483.50 | 52.21 | 54.00 | -1.79 | H | AVERAGE | Pass | Band Edge |
| 6 | Bluetooth-LE_GFSK | 39 | 4960.00 | 46.49 | 54.00 | -7.51 | V | AVERAGE | Pass | Harmonic |
| 7 | Bluetooth-LE_GFSK | 1 | 2389.95 | 39.51 | 54.00 | -14.49 | H | AVERAGE | Pass | Band Edge |
| 7 | Bluetooth-LE_GFSK | 1 | 4808.00 | 44.76 | 74.00 | -29.24 | V | PEAK | Pass | Harmonic |

| Mode | 1 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH0_2402MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Fundamental |

**Peak**

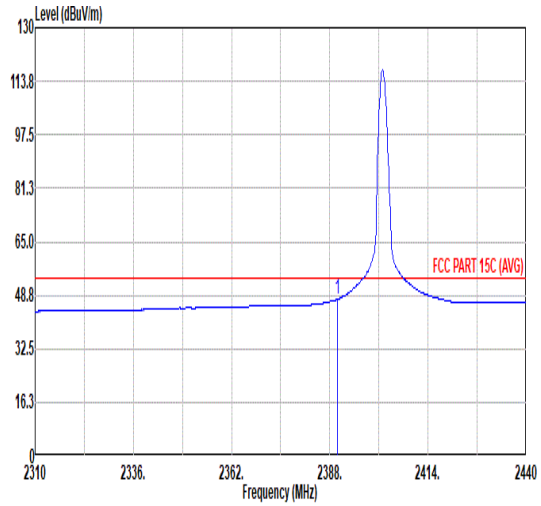



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2388.91 | 60.17 | 74.00 | -13.83 | 51.70 | 31.91 | 7.16 | 36.60 | 6.00 | 103 | 341 | PEAK |

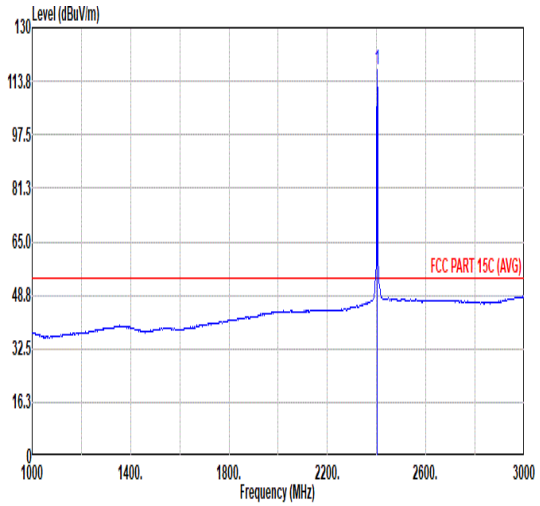



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2402.00 | 118.84 | ------ | ------ | 110.23 | 32.01 | 7.18 | 36.58 | 6.00 | 103 | 341 | PEAK |

**Avg**



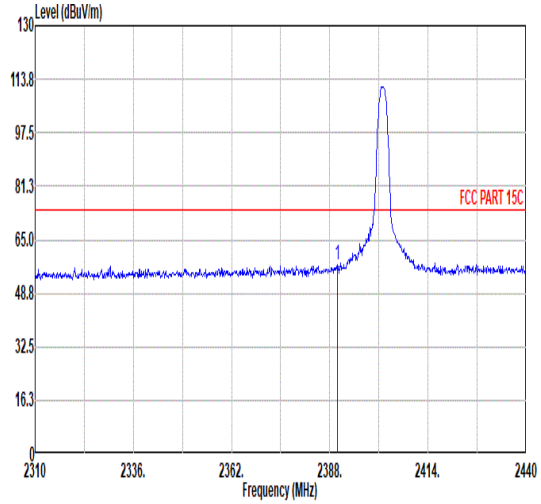

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2389.95 | 47.51 | 54.00 | -6.49 | 39.02 | 31.92 | 7.16 | 36.59 | 6.00 | 103 | 341 | AVERAGE |



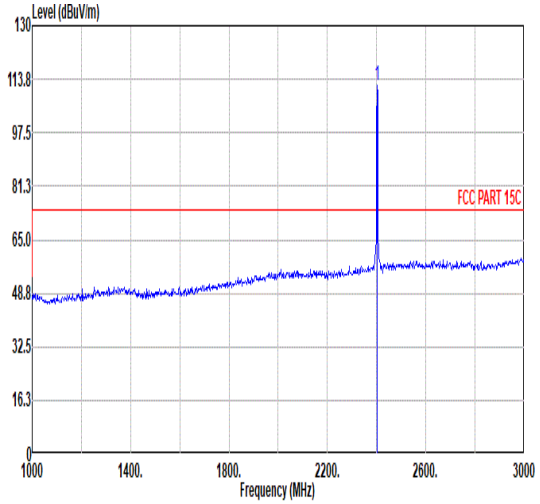

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2402.00 | 117.02 | ------ | ------ | 108.41 | 32.01 | 7.18 | 36.58 | 6.00 | 103 | 341 | AVERAGE |

| Mode | 1 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH0_2402MHz | |
| ANT | 1 | |
| Pol. | Vertical | Fundamental |

**Peak**

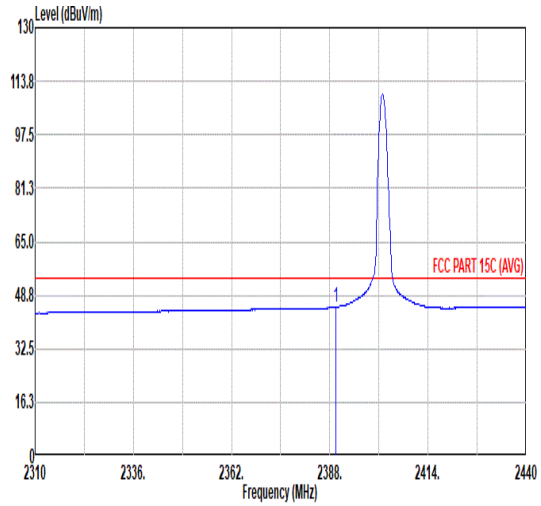



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2389.95 | 57.28 | 74.00 | -16.72 | 48.79 | 31.92 | 7.16 | 36.59 | 6.00 | 100 | 61 | PEAK |

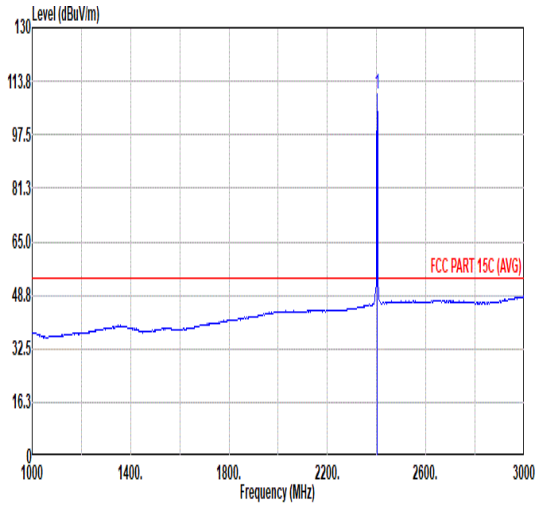



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2402.00 | 111.65 | ------ | ------ | 103.04 | 32.01 | 7.18 | 36.58 | 6.00 | 100 | 61 | PEAK |

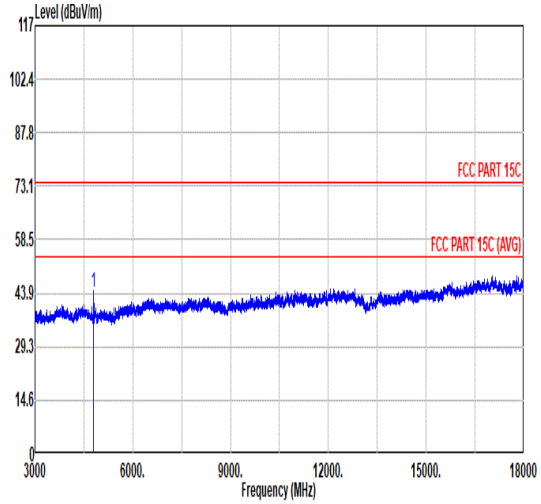
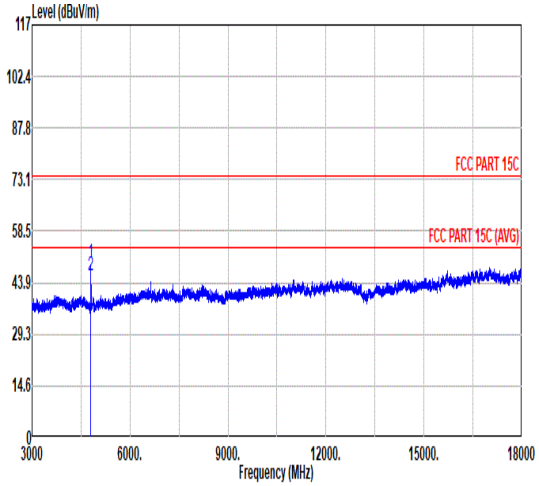
**Avg**




| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2389.69 | 45.22 | 54.00 | -8.78 | 36.73 | 31.92 | 7.16 | 36.59 | 6.00 | 100 | 61 | AVERAGE |



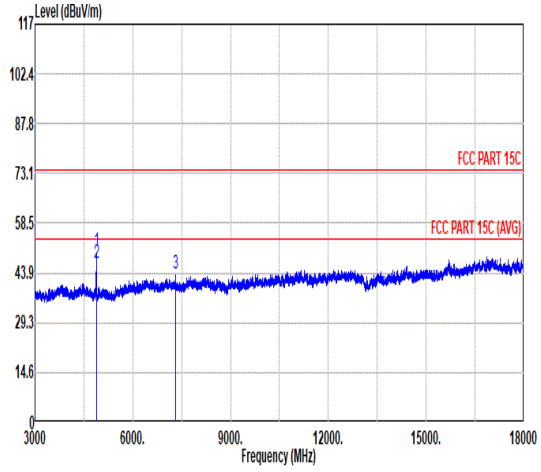
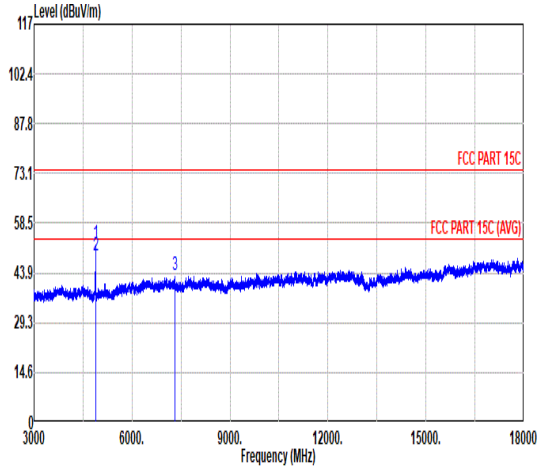

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2402.00 | 109.82 | ------ | ------ | 101.21 | 32.01 | 7.18 | 36.58 | 6.00 | 100 | 61 | AVERAGE |

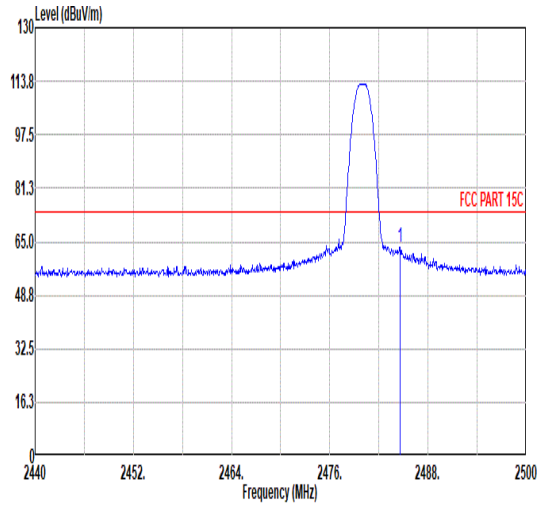
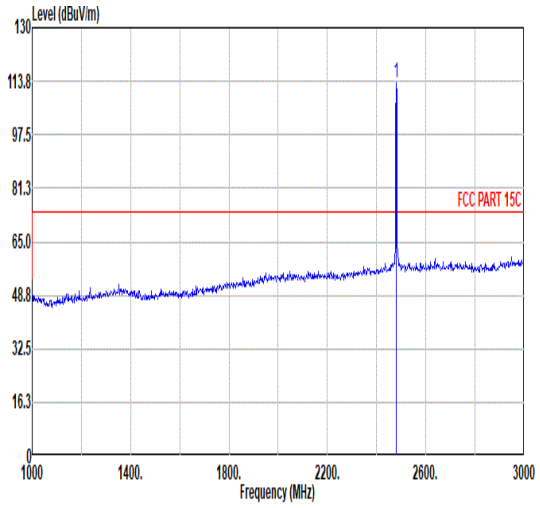
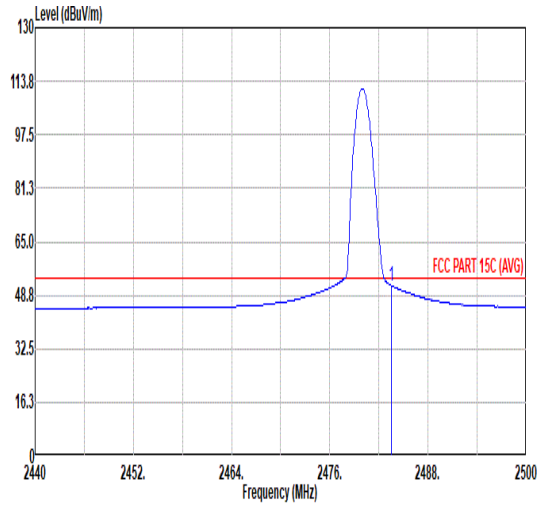
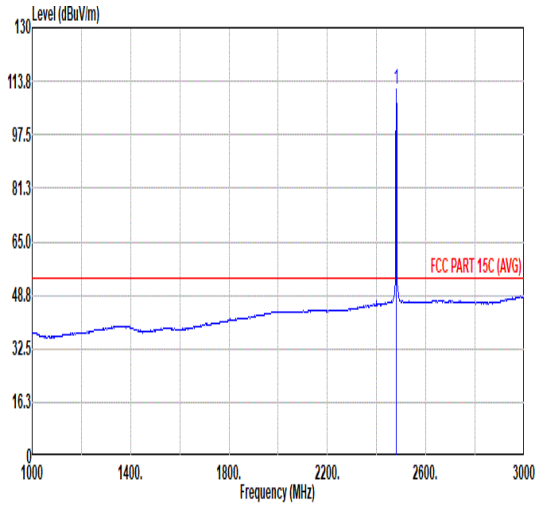
| Mode | 1 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH0_2402MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4804.00 | 44.09 | 74.00 | -29.91 | 64.22 | 33.80 | 10.27 | 64.20 | 0.00 | --- | --- | PEAK |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4804.00 | 49.29 | 74.00 | -24.71 | 69.42 | 33.80 | 10.27 | 64.20 | 0.00 | 363 | 180 | PEAK |
| 2 | 4804.00 | 45.96 | 54.00 | -8.04 | 66.09 | 33.80 | 10.27 | 64.20 | 0.00 | 363 | 180 | AVERAGE |

| Mode | 2 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH19_2440MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 4880.00 50.22 74.00 -23.78 70.29 33.86 10.35 64.28 0.00 100 179 PEAK<br>2 4880.00 46.75 54.00 -7.25 66.82 33.86 10.35 64.28 0.00 100 179 AVERAGE<br>3 7320.00 43.54 74.00 -30.46 61.30 35.56 12.79 66.11 0.00 --- --- PEAK |  <br>Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 4880.00 52.46 74.00 -21.54 72.53 33.86 10.35 64.28 0.00 326 169 PEAK<br>2 4880.00 49.04 54.00 -4.96 69.11 33.86 10.35 64.28 0.00 326 169 AVERAGE<br>3 7320.00 43.23 74.00 -30.77 60.99 35.56 12.79 66.11 0.00 --- --- PEAK |

| Mode | 3 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH39_2480MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Fundamental |
| Peak |  |  |
| Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2484.58 | 63.27 | 74.00 | -10.73 | 54.24 | 32.27 | 7.33 | 36.57 | 6.00 | 339 | 340 | PEAK |



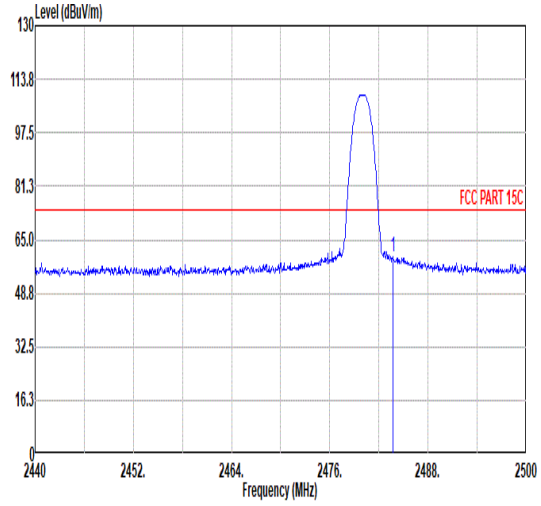
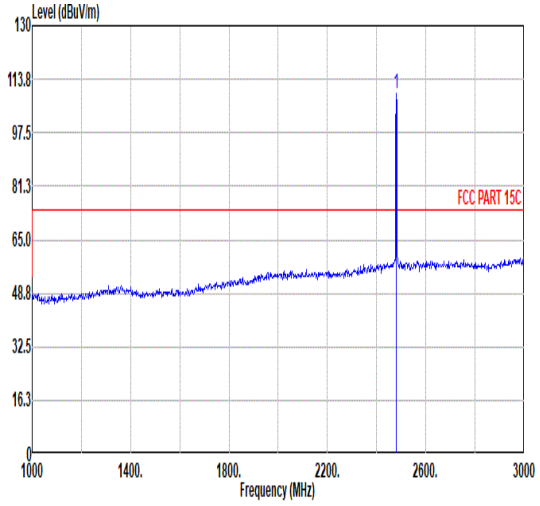
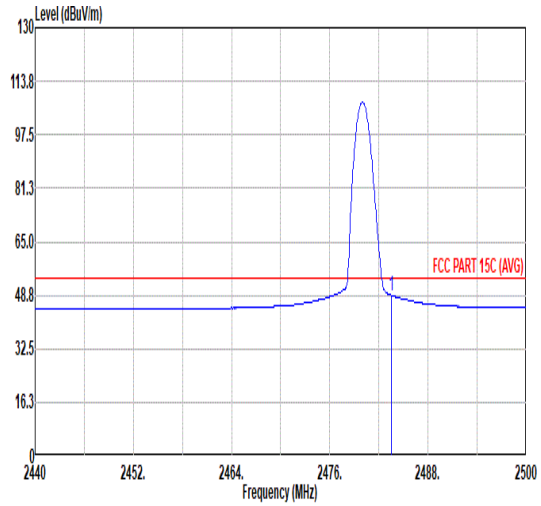
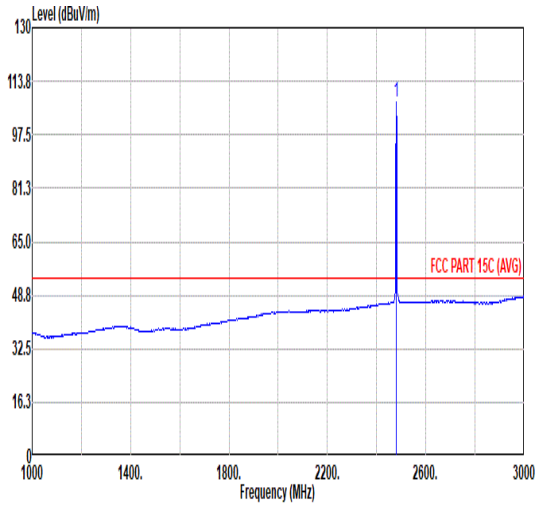
| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2480.00 | 113.24 | ------ | ------ | 104.23 | 32.26 | 7.32 | 36.57 | 6.00 | 339 | 340 | PEAK |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2483.50 | 51.75 | 54.00 | -2.25 | 42.72 | 32.27 | 7.33 | 36.57 | 6.00 | 339 | 340 | AVERAGE |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2480.00 | 111.58 | ------ | ------ | 102.57 | 32.26 | 7.32 | 36.57 | 6.00 | 339 | 340 | AVERAGE |

| Mode | 3 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH39_2480MHz | |
| ANT | 1 | |
| Pol. | Vertical | Fundamental |
| Peak |  |  |
| Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2483.74 | 59.71 | 74.00 | -14.29 | 50.68 | 32.27 | 7.33 | 36.57 | 6.00 | 386 | 27 | PEAK |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2480.00 | 109.20 | ------ | ------ | 100.19 | 32.26 | 7.32 | 36.57 | 6.00 | 386 | 27 | PEAK |

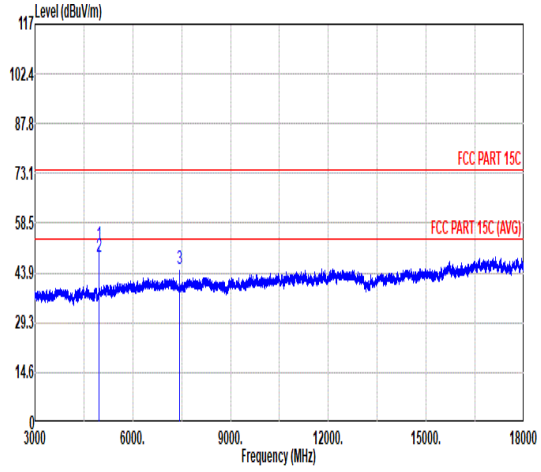
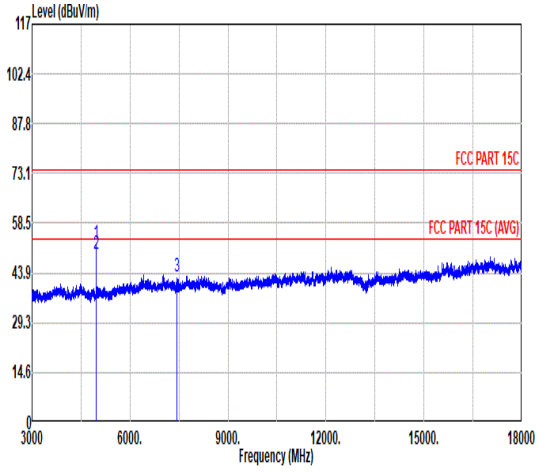


| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2483.50 | 48.79 | 54.00 | -5.21 | 39.76 | 32.27 | 7.33 | 36.57 | 6.00 | 386 | 27 | AVERAGE |



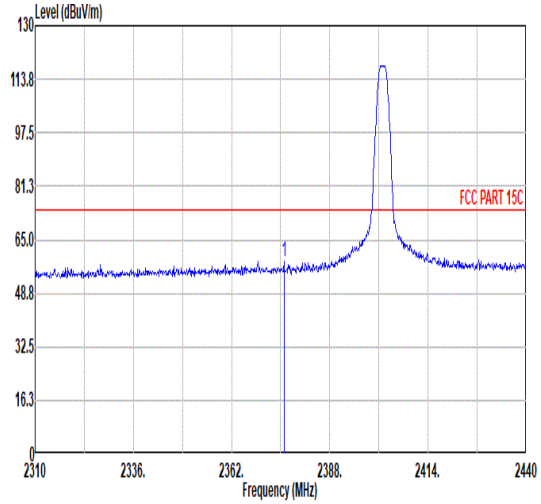
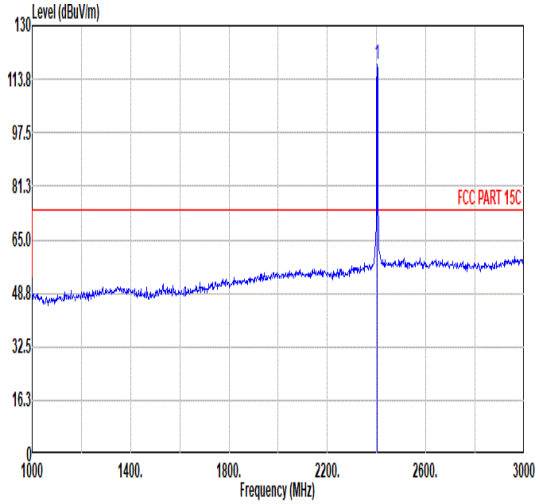
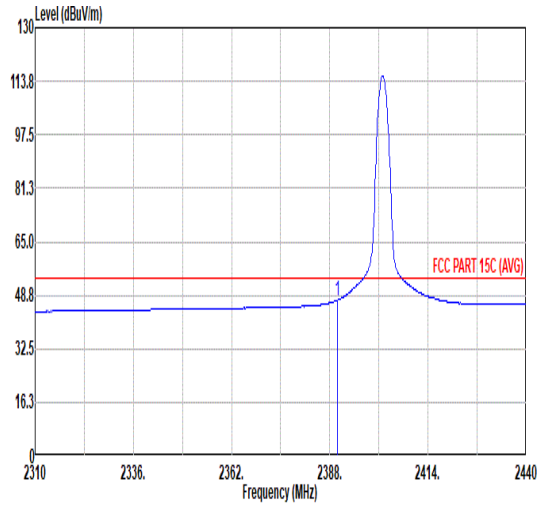
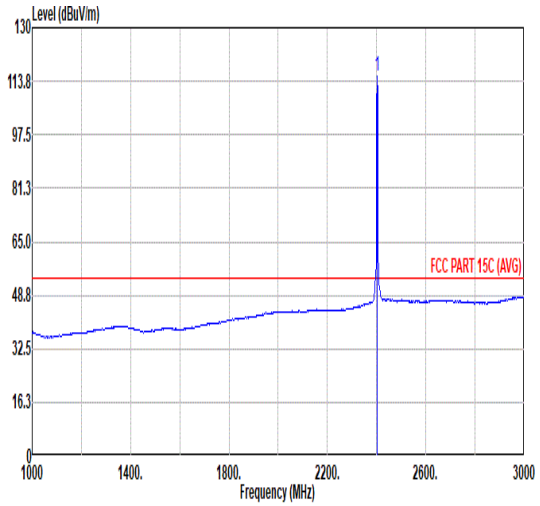
| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2480.00 | 107.48 | ------ | ------ | 98.47 | 32.26 | 7.32 | 36.57 | 6.00 | 386 | 27 | AVERAGE |

| Mode | 3 |
|---|---|
| | Harmonic |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH39_2480MHz |
| ANT | 1 |

| Pol. | Horizontal | Vertical |
|---|---|---|
| Peak<br>Avg |  |  |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4960.00 | 52.22 | 74.00 | -21.78 | 72.18 | 33.90 | 10.44 | 64.30 | 0.00 | 100 | 238 | PEAK |
| 2 | 4960.00 | 48.60 | 54.00 | -5.40 | 68.56 | 33.90 | 10.44 | 64.30 | 0.00 | 100 | 238 | AVERAGE |
| 3 | 7440.00 | 44.88 | 74.00 | -29.12 | 62.65 | 35.60 | 12.93 | 66.30 | 0.00 | --- | --- | PEAK |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4960.00 | 52.75 | 74.00 | -21.25 | 72.71 | 33.90 | 10.44 | 64.30 | 0.00 | 250 | 170 | PEAK |
| 2 | 4960.00 | 49.23 | 54.00 | -4.77 | 69.19 | 33.90 | 10.44 | 64.30 | 0.00 | 250 | 170 | AVERAGE |
| 3 | 7440.00 | 42.90 | 74.00 | -31.10 | 60.67 | 35.60 | 12.93 | 66.30 | 0.00 | --- | --- | PEAK |

| Mode | 4 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH0_2402MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Fundamental |
| Peak |  |  |
| Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2375.91 | 58.57 | 74.00 | -15.43 | 50.23 | 31.81 | 7.14 | 36.61 | 6.00 | 100 | 336 | PEAK |



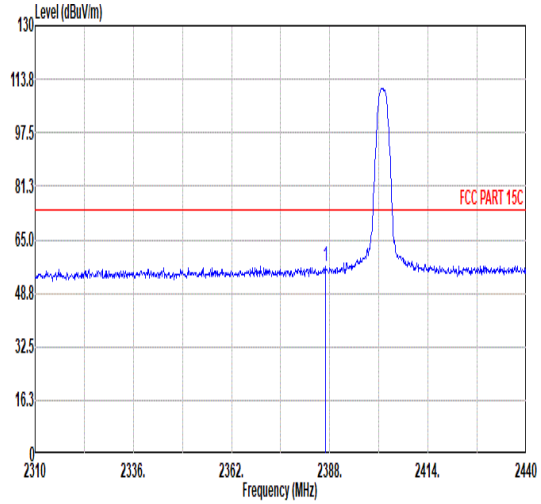
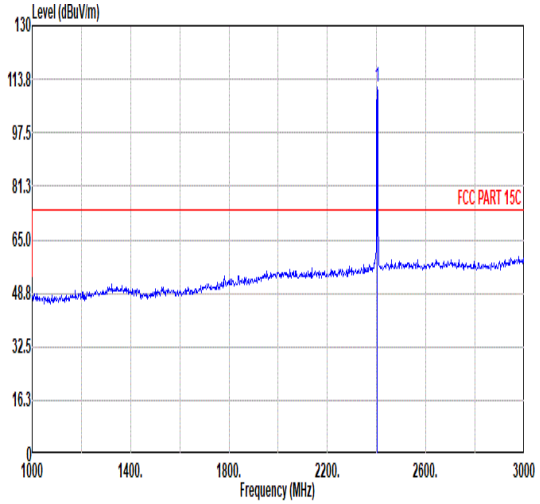
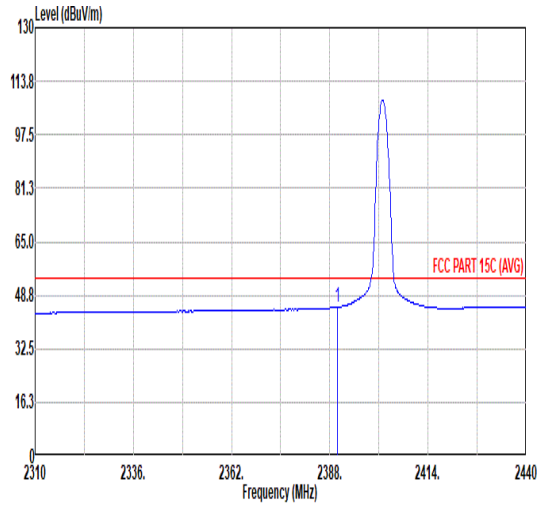
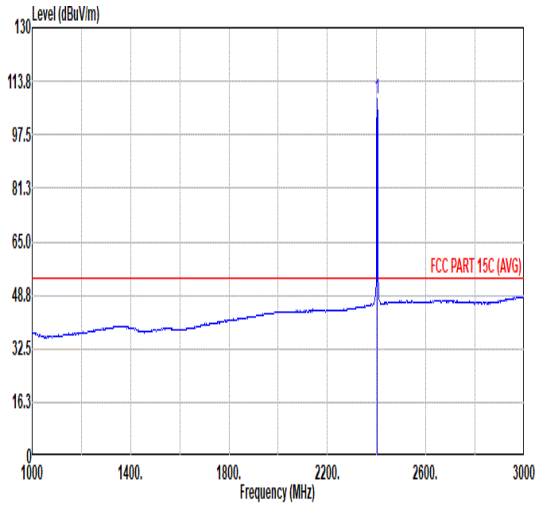
| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2402.00 | 118.32 | ------ | ------ | 109.71 | 32.01 | 7.18 | 36.58 | 6.00 | 100 | 336 | PEAK |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2389.95 | 47.20 | 54.00 | -6.80 | 38.71 | 31.92 | 7.16 | 36.59 | 6.00 | 100 | 336 | AVERAGE |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2402.00 | 115.38 | ------ | ------ | 106.77 | 32.01 | 7.18 | 36.58 | 6.00 | 100 | 336 | AVERAGE |

| Mode | 4 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH0_2402MHz | |
| ANT | 1 | |
| Pol. | Vertical | Fundamental |
| Peak |  |  |
| Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2386.83 | 56.85 | 74.00 | -17.15 | 48.40 | 31.89 | 7.16 | 36.60 | 6.00 | 100 | 60 | PEAK |



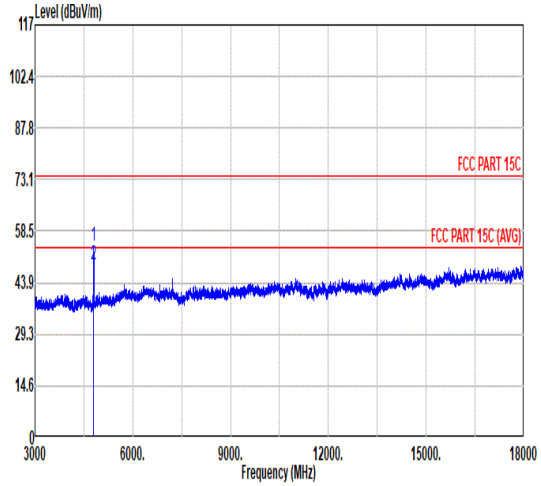
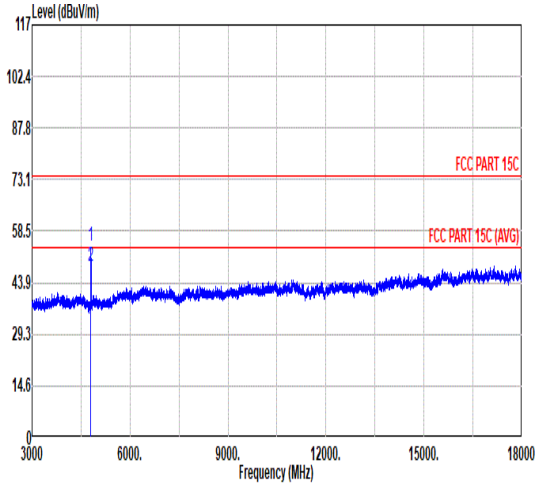
| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2402.00 | 111.14 | ------ | ------ | 102.53 | 32.01 | 7.18 | 36.58 | 6.00 | 100 | 60 | PEAK |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2389.95 | 45.09 | 54.00 | -8.91 | 36.60 | 31.92 | 7.16 | 36.59 | 6.00 | 100 | 60 | AVERAGE |

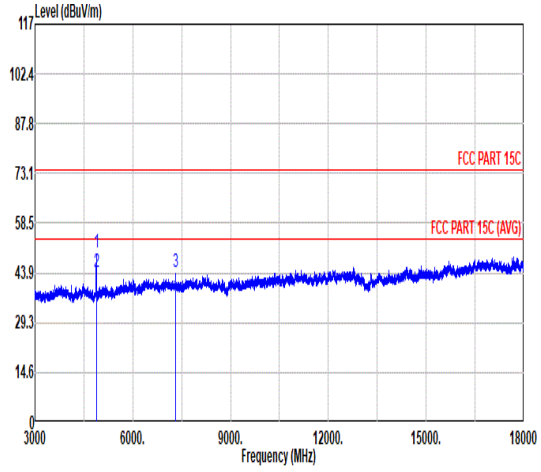
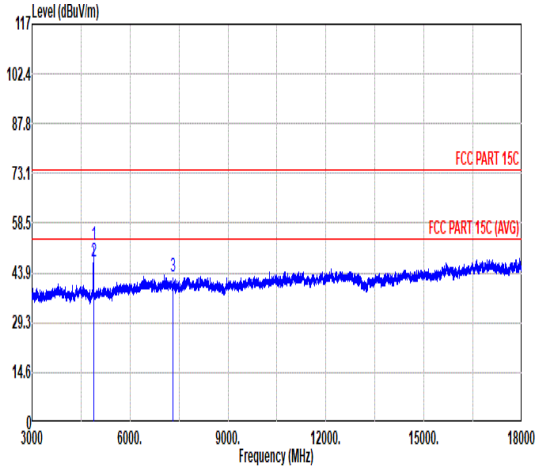


| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2402.00 | 108.19 | ------ | ------ | 99.58 | 32.01 | 7.18 | 36.58 | 6.00 | 100 | 60 | AVERAGE |

| Mode | 4 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH0_2402MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  |  |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4804.00 | 54.17 | 74.00 | -19.83 | 74.30 | 33.80 | 10.27 | 64.20 | 0.00 | 324 | 39 | PEAK |
| 2 | 4804.00 | 48.81 | 54.00 | -5.19 | 68.94 | 33.80 | 10.27 | 64.20 | 0.00 | 324 | 39 | AVERAGE |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4804.00 | 54.13 | 74.00 | -19.87 | 74.26 | 33.80 | 10.27 | 64.20 | 0.00 | 106 | 315 | PEAK |
| 2 | 4804.00 | 48.35 | 54.00 | -5.65 | 68.48 | 33.80 | 10.27 | 64.20 | 0.00 | 106 | 315 | AVERAGE |

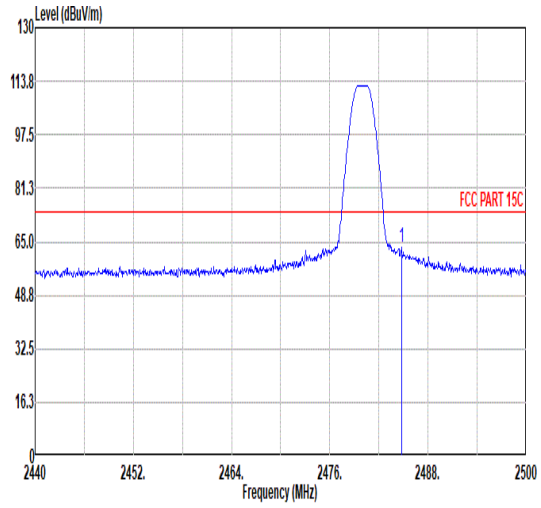
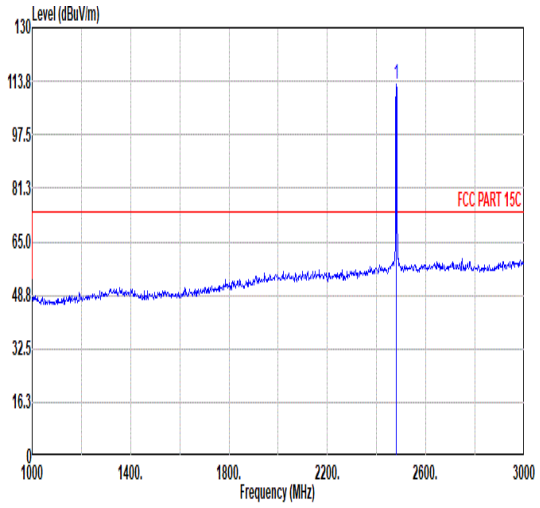
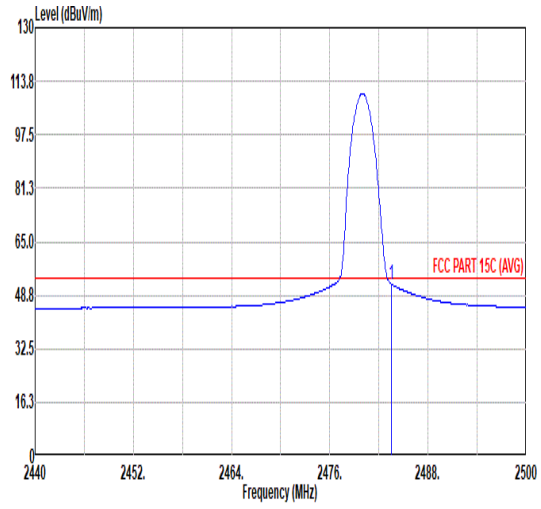
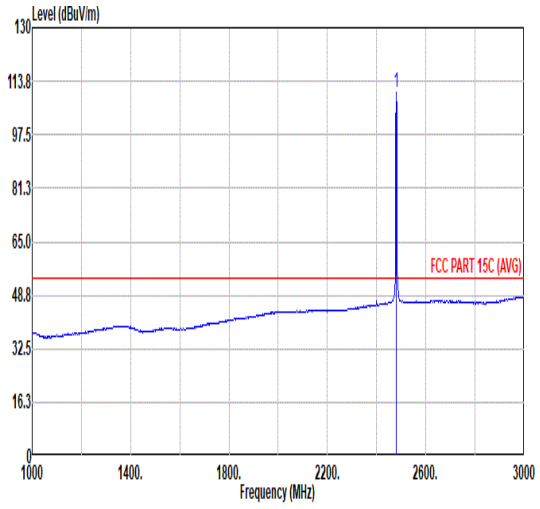
| Mode | 5 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH19_2440MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4880.00 | 50.01 | 74.00 | -23.99 | 70.08 | 33.86 | 10.35 | 64.28 | 0.00 | 100 | 179 | PEAK |
| 2 | 4880.00 | 44.33 | 54.00 | -9.67 | 64.40 | 33.86 | 10.35 | 64.28 | 0.00 | 100 | 179 | AVERAGE |
| 3 | 7320.00 | 44.01 | 74.00 | -29.99 | 61.77 | 35.56 | 12.79 | 66.11 | 0.00 | --- | --- | PEAK |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4880.00 | 52.05 | 74.00 | -21.95 | 72.12 | 33.86 | 10.35 | 64.28 | 0.00 | 272 | 173 | PEAK |
| 2 | 4880.00 | 47.13 | 54.00 | -6.87 | 67.20 | 33.86 | 10.35 | 64.28 | 0.00 | 272 | 173 | AVERAGE |
| 3 | 7320.00 | 42.90 | 74.00 | -31.10 | 60.66 | 35.56 | 12.79 | 66.11 | 0.00 | --- | --- | PEAK |

| Mode | 6 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH39_2480MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Fundamental |
| Peak |  |  |
| Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2484.76 | 63.36 | 74.00 | -10.64 | 54.33 | 32.27 | 7.33 | 36.57 | 6.00 | 339 | 338 | PEAK |



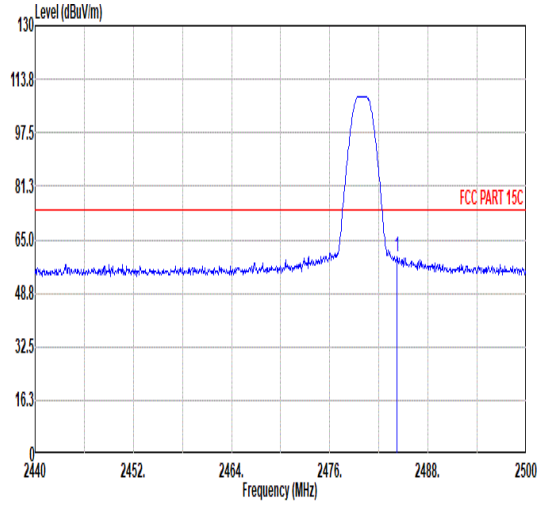
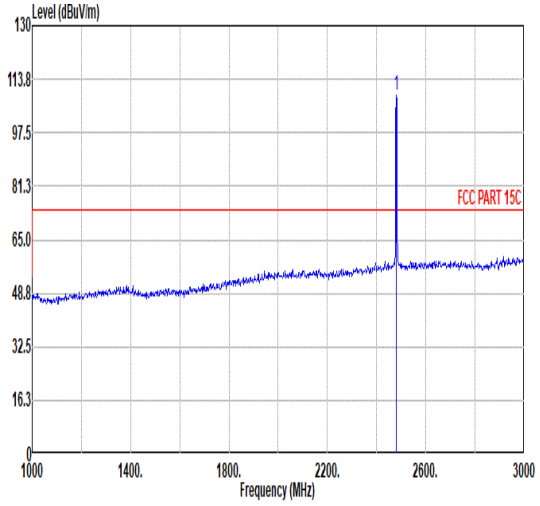
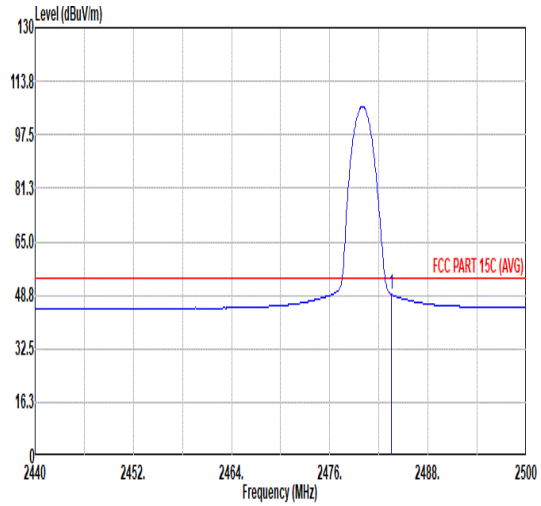
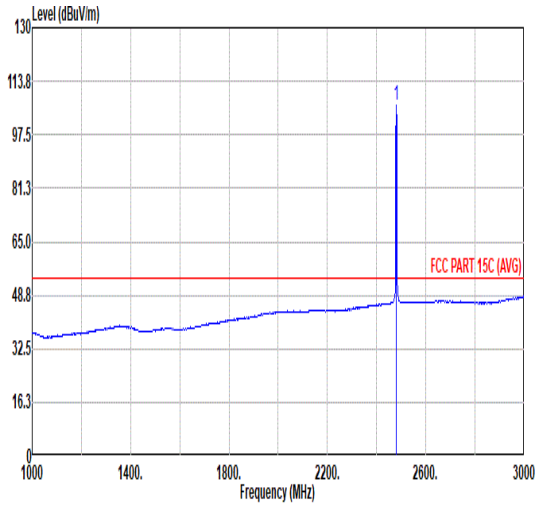
| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2480.00 | 112.96 | ------ | ------ | 103.95 | 32.26 | 7.32 | 36.57 | 6.00 | 339 | 338 | PEAK |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2483.50 | 52.21 | 54.00 | -1.79 | 43.18 | 32.27 | 7.33 | 36.57 | 6.00 | 339 | 338 | AVERAGE |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2480.00 | 110.16 | ------ | ------ | 101.15 | 32.26 | 7.32 | 36.57 | 6.00 | 339 | 338 | AVERAGE |

| Mode | 6 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH39_2480MHz | |
| ANT | 1 | |
| Pol. | Vertical | Fundamental |
| Peak |  |  |
| Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2484.22 | 59.81 | 74.00 | -14.19 | 50.78 | 32.27 | 7.33 | 36.57 | 6.00 | 384 | 28 | PEAK |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2480.00 | 109.08 | ------ | ------ | 100.07 | 32.26 | 7.32 | 36.57 | 6.00 | 384 | 28 | PEAK |

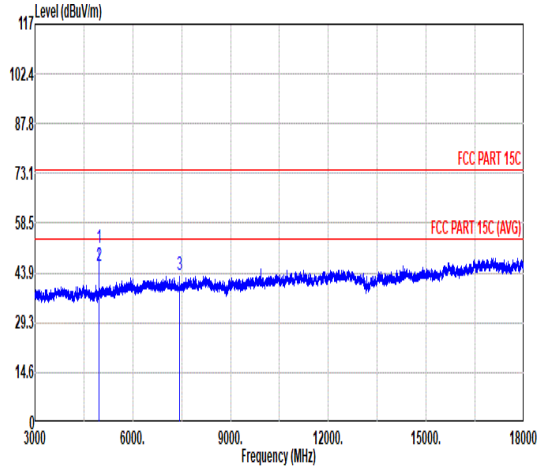
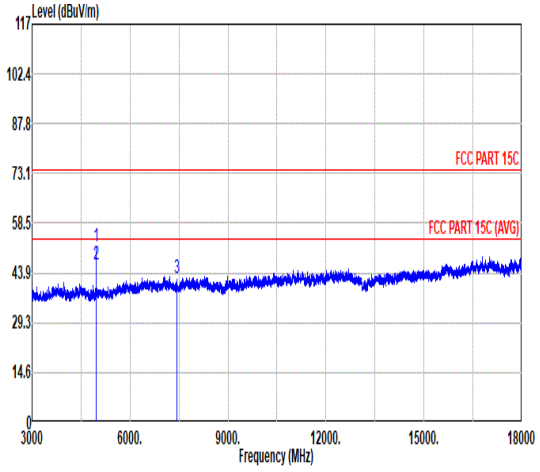


| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2483.50 | 49.07 | 54.00 | -4.93 | 40.04 | 32.27 | 7.33 | 36.57 | 6.00 | 384 | 28 | AVERAGE |



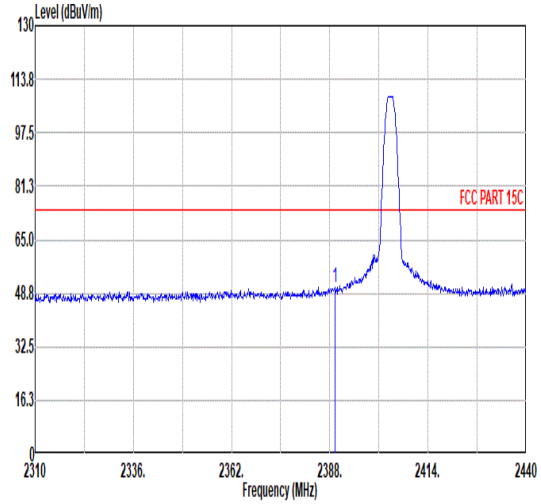
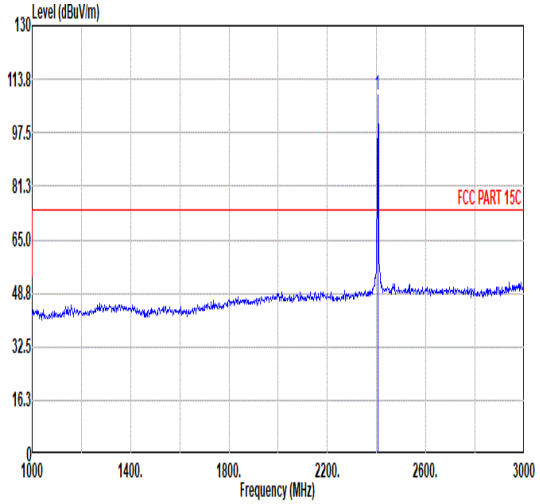
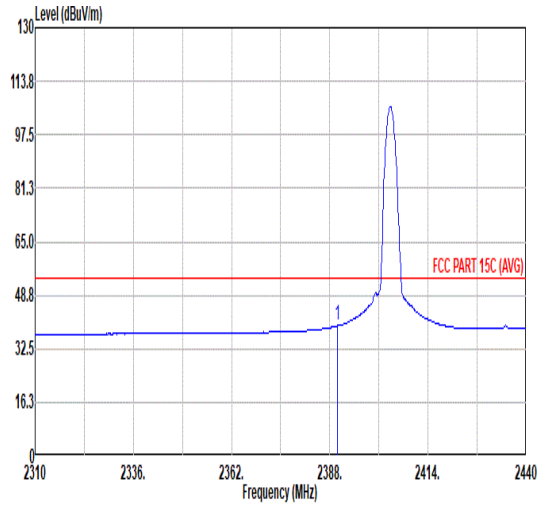
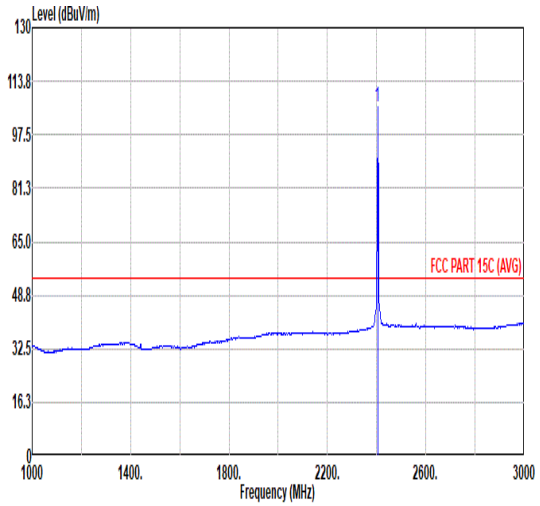
| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2480.00 | 106.21 | ------ | ------ | 97.20 | 32.26 | 7.32 | 36.57 | 6.00 | 384 | 28 | AVERAGE |

| Mode | 6 |
|---|---|
| | Harmonic |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH39_2480MHz |
| ANT | 1 |

| Pol. | Horizontal | Vertical |
|---|---|---|
| Peak<br>Avg |  |  |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4960.00 | 51.14 | 74.00 | -22.86 | 71.10 | 33.90 | 10.44 | 64.30 | 0.00 | 100 | 237 | PEAK |
| 2 | 4960.00 | 45.78 | 54.00 | -8.22 | 65.74 | 33.90 | 10.44 | 64.30 | 0.00 | 100 | 237 | AVERAGE |
| 3 | 7440.00 | 43.19 | 74.00 | -30.81 | 60.96 | 35.60 | 12.93 | 66.30 | 0.00 | --- | --- | PEAK |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4960.00 | 51.85 | 74.00 | -22.15 | 71.81 | 33.90 | 10.44 | 64.30 | 0.00 | 250 | 171 | PEAK |
| 2 | 4960.00 | 46.49 | 54.00 | -7.51 | 66.45 | 33.90 | 10.44 | 64.30 | 0.00 | 250 | 171 | AVERAGE |
| 3 | 7440.00 | 42.27 | 74.00 | -31.73 | 60.04 | 35.60 | 12.93 | 66.30 | 0.00 | --- | --- | PEAK |

| Mode | 7 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH1_2404MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Fundamental |
| Peak |  |  |
| Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2389.30 | 50.46 | 74.00 | -23.54 | 41.98 | 31.91 | 7.16 | 36.59 | 6.00 | 100 | 194 | PEAK |



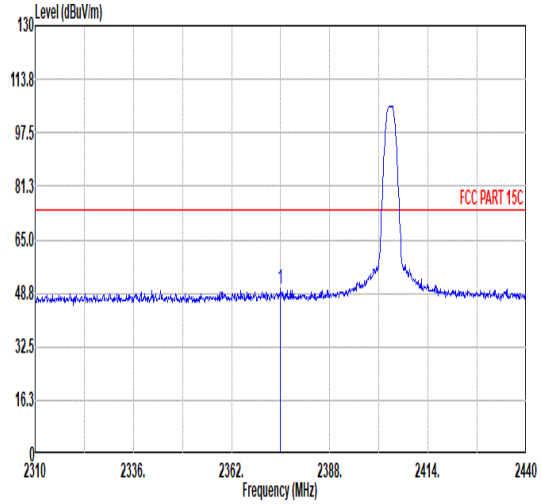
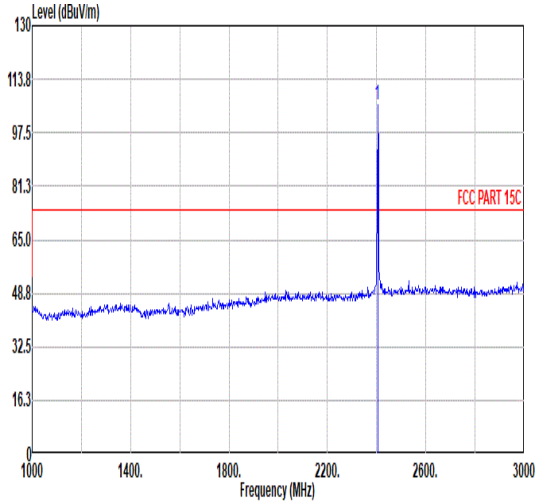
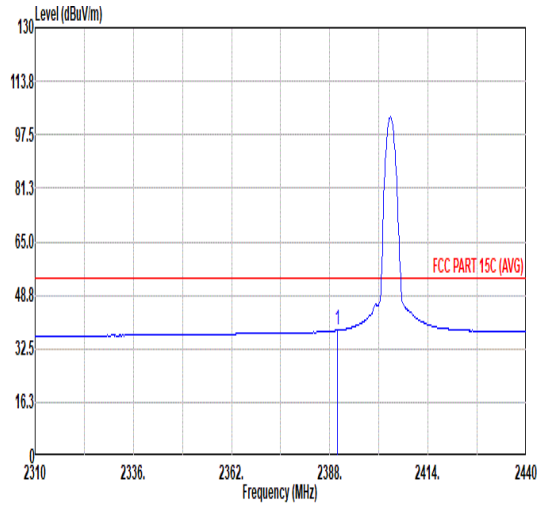
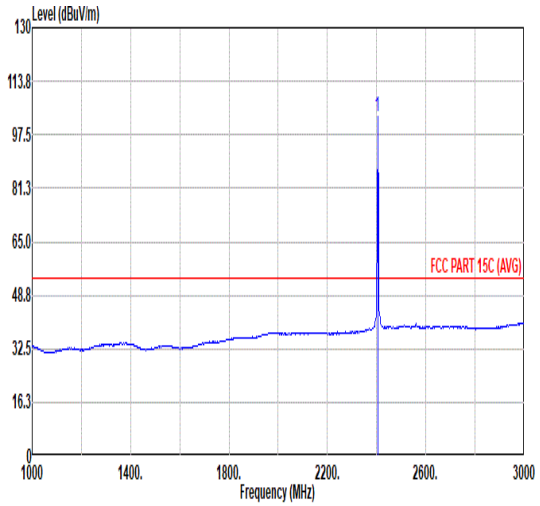
| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2404.00 | 108.97 | ------ | ------ | 100.34 | 32.02 | 7.19 | 36.58 | 6.00 | 100 | 194 | PEAK |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2389.95 | 39.51 | 54.00 | -14.49 | 31.02 | 31.92 | 7.16 | 36.59 | 6.00 | 100 | 194 | AVERAGE |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2404.00 | 106.05 | ------ | ------ | 97.42 | 32.02 | 7.19 | 36.58 | 6.00 | 100 | 194 | AVERAGE |

| Mode | 7 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH1_2404MHz | |
| ANT | 1 | |
| Pol. | Vertical | Fundamental |
| Peak |  |  |
| Avg |  |  |

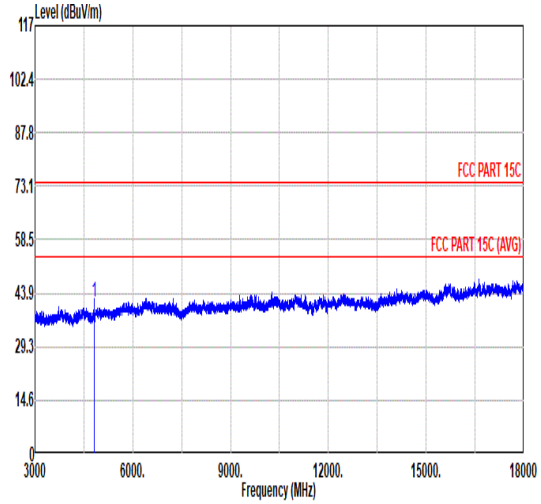
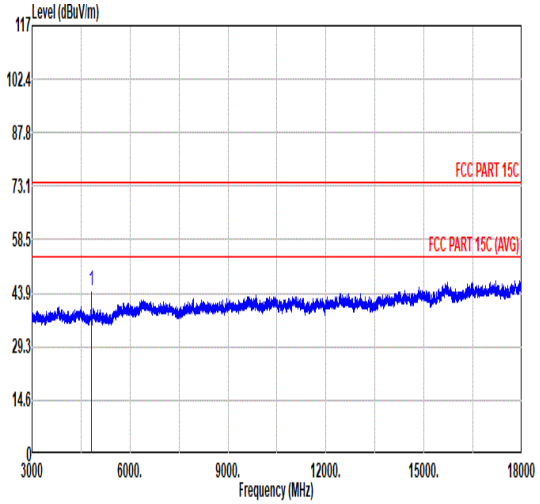


| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2375.00 | 50.11 | 74.00 | -23.89 | 41.79 | 31.80 | 7.14 | 36.62 | 6.00 | 317 | 335 | PEAK |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2404.00 | 105.83 | ------ | ------ | 97.20 | 32.02 | 7.19 | 36.58 | 6.00 | 317 | 335 | PEAK |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2389.95 | 38.12 | 54.00 | -15.88 | 29.63 | 31.92 | 7.16 | 36.59 | 6.00 | 317 | 335 | AVERAGE |

| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 2404.00 | 102.98 | ------ | ------ | 94.35 | 32.02 | 7.19 | 36.58 | 6.00 | 317 | 335 | AVERAGE |

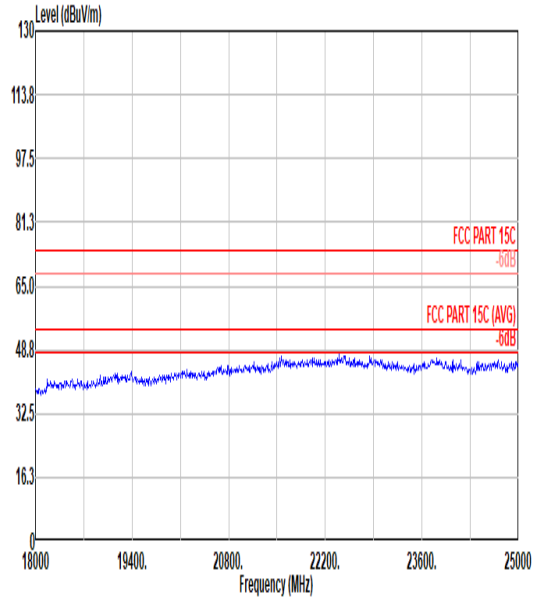
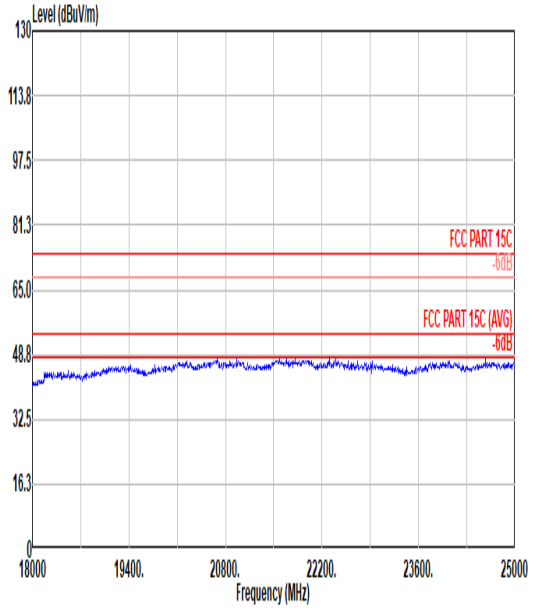
| Mode | 7 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH1_2404MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  |  |



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4808.00 | 41.70 | 74.00 | -32.30 | 61.83 | 33.80 | 10.28 | 64.21 | 0.00 | --- | --- | PEAK |



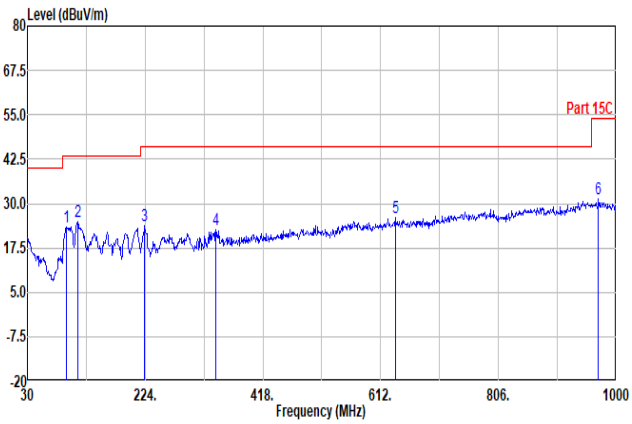
| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 4808.00 | 44.76 | 74.00 | -29.24 | 64.89 | 33.80 | 10.28 | 64.21 | 0.00 | --- | --- | PEAK |

| Mode | 8 | |
|---|---|---|
| | 18G-25G | |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH39_2480MHz | |
| ANT | 1 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  |  |

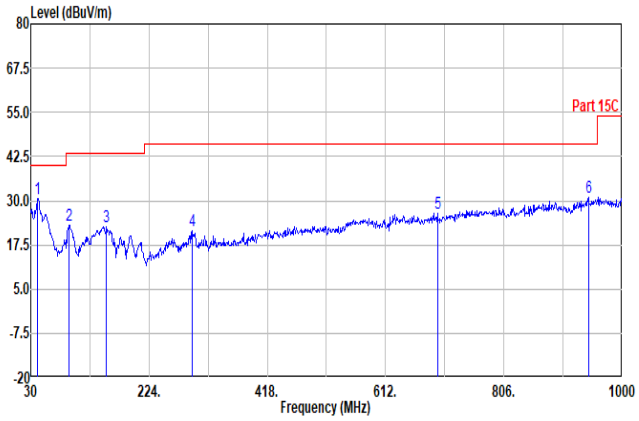
| Mode | 8 |
|---|---|
| | LF |
| | 2400-2483.5_Bluetooth-LE_GFSK_CH39_2480MHz |
| ANT | 1 |

| Pol. | Horizontal | Vertical |
|---|---|---|

Peak




| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 94.02 | 23.42 | 43.50 | -20.08 | 38.90 | 15.24 | 1.34 | 32.06 | 0.00 | --- | --- | Peak |
| 2 | 112.45 | 24.76 | 43.50 | -18.74 | 38.12 | 17.19 | 1.48 | 32.03 | 0.00 | --- | --- | Peak |
| 3 | 223.03 | 23.68 | 46.00 | -22.32 | 38.18 | 15.47 | 2.09 | 32.06 | 0.00 | --- | --- | Peak |
| 4 | 340.40 | 22.75 | 46.00 | -23.25 | 32.22 | 20.05 | 2.59 | 32.11 | 0.00 | --- | --- | Peak |
| 5 | 636.25 | 25.89 | 46.00 | -20.11 | 27.97 | 26.64 | 3.55 | 32.27 | 0.00 | --- | --- | Peak |
| 6 | 970.90 | 31.51 | 54.00 | -22.49 | 26.71 | 31.15 | 4.41 | 30.76 | 0.00 | --- | --- | Peak |

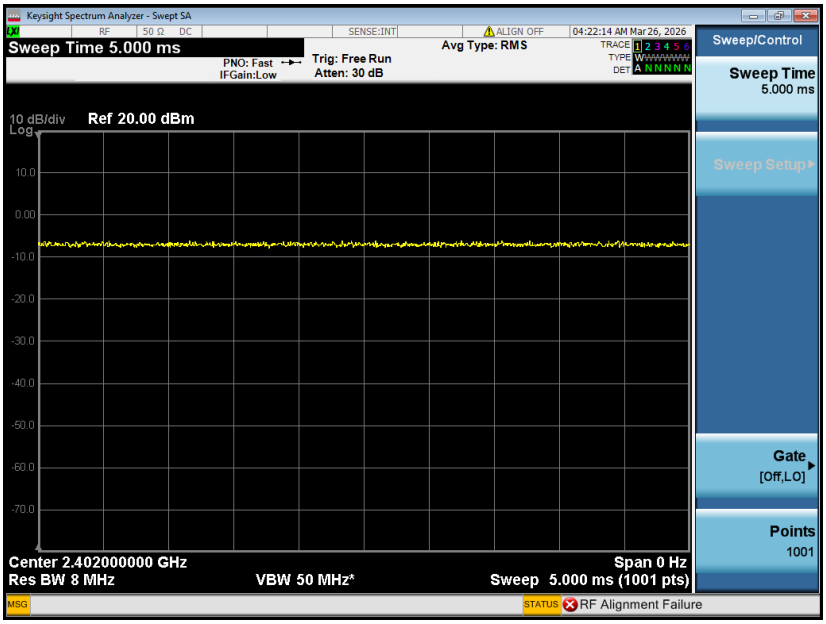
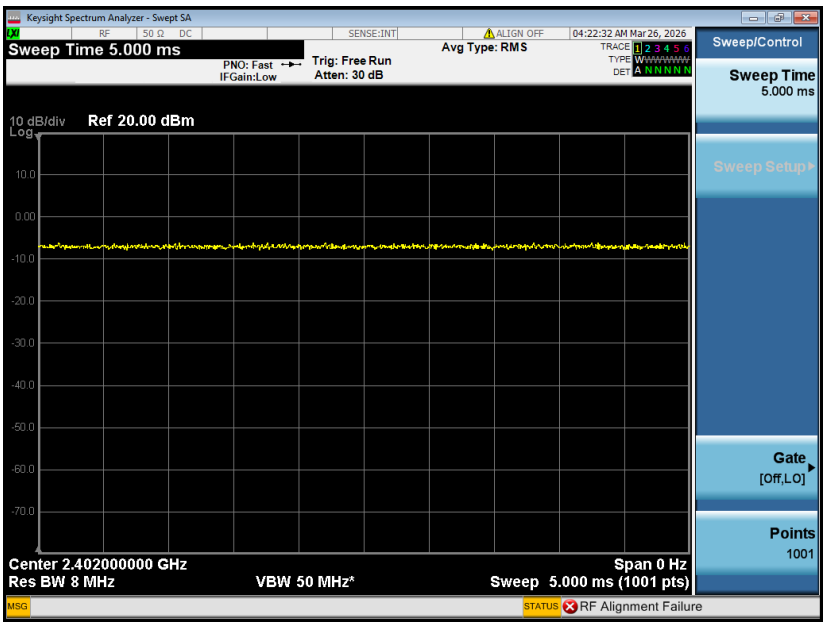



| | Freq | Level | Limit Line | Over Limit | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 41.64 | 30.72 | 40.00 | -9.28 | 43.38 | 18.79 | 0.63 | 32.08 | 0.00 | --- | --- | Peak |
| 2 | 93.05 | 22.99 | 43.50 | -20.51 | 38.62 | 15.11 | 1.32 | 32.06 | 0.00 | --- | --- | Peak |
| 3 | 154.16 | 22.63 | 43.50 | -20.87 | 36.18 | 16.76 | 1.72 | 32.03 | 0.00 | --- | --- | Peak |
| 4 | 294.81 | 21.42 | 46.00 | -24.58 | 31.79 | 19.29 | 2.42 | 32.08 | 0.00 | --- | --- | Peak |
| 5 | 697.36 | 26.53 | 46.00 | -19.47 | 28.63 | 26.52 | 3.72 | 32.34 | 0.00 | --- | --- | Peak |
| 6 | 944.71 | 31.10 | 46.00 | -14.90 | 27.17 | 30.52 | 4.35 | 30.94 | 0.00 | --- | --- | Peak |

# Appendix D. Duty Cycle Plots

| Band | Duty Cycle(%) | T(ms) | 1/T(kHz) | VBW Setting |
|---|---|---|---|---|
| Bluetooth LE 2Mbps | 100 | - | - | 10HZ |
| Bluetooth LE 500Kbps | 100 | - | - | 10HZ |

**Bluetooth – LE 2Mbps**



## Bluetooth – LE 500Kbps