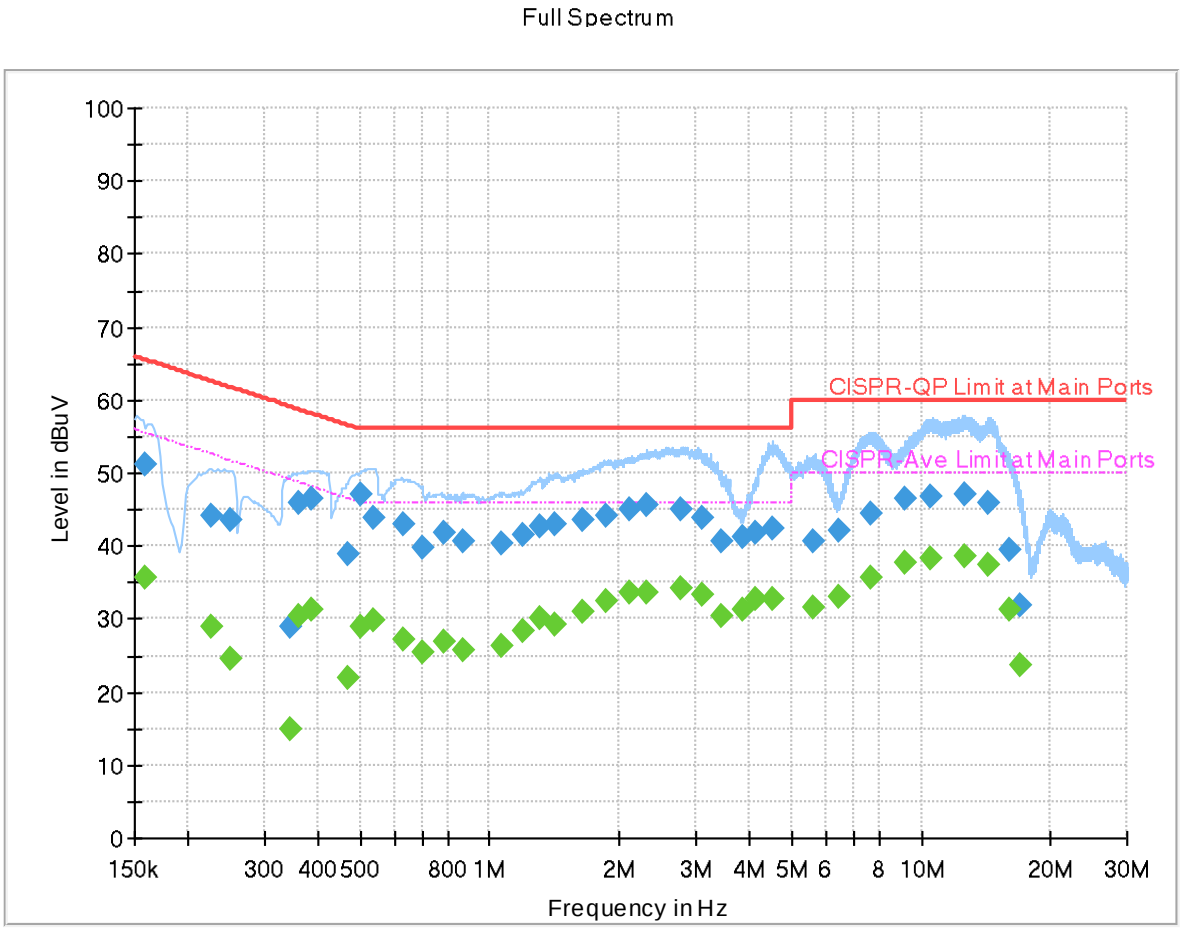
# EUT Information

| | |
|---|---|
| Report NO : | 651501-01 |
| Test Mode : | Mode 1 |
| Test Voltage : | 120Vac/60Hz |
| Phase : | Neutral |




# Final_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|---|---|---|---|---|---|---|---|
| 0.159000 | --- | 35.71 | 55.52 | 19.81 | N | OFF | 20.0 |
| 0.159000 | 51.08 | --- | 65.52 | 14.44 | N | OFF | 20.0 |
| 0.226500 | --- | 28.87 | 52.58 | 23.71 | N | OFF | 20.0 |
| 0.226500 | 44.01 | --- | 62.58 | 18.57 | N | OFF | 20.0 |
| 0.249315 | --- | 24.49 | 51.78 | 27.29 | N | OFF | 20.0 |
| 0.249315 | 43.49 | --- | 61.78 | 18.29 | N | OFF | 20.0 |
| 0.345480 | --- | 14.88 | 49.07 | 34.19 | N | OFF | 20.0 |
| 0.345480 | 28.99 | --- | 59.07 | 30.08 | N | OFF | 20.0 |
| 0.361860 | --- | 30.42 | 48.69 | 18.27 | N | OFF | 20.0 |
| 0.361860 | 45.94 | --- | 58.69 | 12.75 | N | OFF | 20.0 |
| 0.386790 | --- | 31.27 | 48.13 | 16.86 | N | OFF | 20.0 |
| 0.386790 | 46.36 | --- | 58.13 | 11.77 | N | OFF | 20.0 |
| 0.468285 | --- | 22.06 | 46.54 | 24.48 | N | OFF | 20.0 |
| 0.468285 | 38.81 | --- | 56.54 | 17.73 | N | OFF | 20.0 |
| 0.504465 | --- | 28.98 | 46.00 | 17.02 | N | OFF | 20.0 |
| 0.504465 | 47.08 | --- | 56.00 | 8.92 | N | OFF | 20.0 |
| 0.537675 | --- | 29.75 | 46.00 | 16.25 | N | OFF | 20.0 |
| 0.537675 | 43.97 | --- | 56.00 | 12.03 | N | OFF | 20.0 |
| 0.629250 | --- | 27.28 | 46.00 | 18.72 | N | OFF | 20.0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0.629250 | 42.89 | --- | 56.00 | 13.11 | N | OFF | 20.0 |
| 0.694860 | --- | 25.40 | 46.00 | 20.60 | N | OFF | 20.0 |
| 0.694860 | 39.87 | --- | 56.00 | 16.13 | N | OFF | 20.0 |
| 0.782655 | --- | 26.90 | 46.00 | 19.10 | N | OFF | 20.0 |
| 0.782655 | 41.81 | --- | 56.00 | 14.19 | N | OFF | 20.0 |
| 0.864195 | --- | 25.63 | 46.00 | 20.37 | N | OFF | 20.0 |
| 0.864195 | 40.62 | --- | 56.00 | 15.38 | N | OFF | 20.0 |
| 1.063995 | --- | 26.42 | 46.00 | 19.58 | N | OFF | 20.1 |
| 1.063995 | 40.35 | --- | 56.00 | 15.65 | N | OFF | 20.1 |
| 1.191750 | --- | 28.47 | 46.00 | 17.53 | N | OFF | 20.1 |
| 1.191750 | 41.38 | --- | 56.00 | 14.62 | N | OFF | 20.1 |
| 1.306500 | --- | 29.99 | 46.00 | 16.01 | N | OFF | 20.1 |
| 1.306500 | 42.66 | --- | 56.00 | 13.34 | N | OFF | 20.1 |
| 1.419000 | --- | 29.15 | 46.00 | 16.85 | N | OFF | 20.1 |
| 1.419000 | 42.91 | --- | 56.00 | 13.09 | N | OFF | 20.1 |
| 1.641795 | --- | 30.92 | 46.00 | 15.08 | N | OFF | 20.1 |
| 1.641795 | 43.60 | --- | 56.00 | 12.40 | N | OFF | 20.1 |
| 1.869000 | --- | 32.53 | 46.00 | 13.47 | N | OFF | 20.1 |
| 1.869000 | 44.14 | --- | 56.00 | 11.86 | N | OFF | 20.1 |
| 2.107365 | --- | 33.57 | 46.00 | 12.43 | N | OFF | 20.1 |
| 2.107365 | 44.95 | --- | 56.00 | 11.05 | N | OFF | 20.1 |
| 2.314905 | --- | 33.71 | 46.00 | 12.29 | N | OFF | 20.1 |
| 2.314905 | 45.51 | --- | 56.00 | 10.49 | N | OFF | 20.1 |
| 2.782500 | --- | 34.33 | 46.00 | 11.67 | N | OFF | 20.1 |
| 2.782500 | 45.12 | --- | 56.00 | 10.88 | N | OFF | 20.1 |
| 3.096060 | --- | 33.23 | 46.00 | 12.77 | N | OFF | 20.1 |
| 3.096060 | 43.97 | --- | 56.00 | 12.03 | N | OFF | 20.1 |
| 3.441885 | --- | 30.28 | 46.00 | 15.72 | N | OFF | 20.1 |
| 3.441885 | 40.56 | --- | 56.00 | 15.44 | N | OFF | 20.1 |
| 3.842430 | --- | 31.41 | 46.00 | 14.59 | N | OFF | 20.1 |
| 3.842430 | 41.08 | --- | 56.00 | 14.92 | N | OFF | 20.1 |
| 4.143345 | --- | 32.62 | 46.00 | 13.38 | N | OFF | 20.2 |
| 4.143345 | 41.89 | --- | 56.00 | 14.11 | N | OFF | 20.2 |
| 4.526970 | --- | 32.74 | 46.00 | 13.26 | N | OFF | 20.2 |
| 4.526970 | 42.30 | --- | 56.00 | 13.70 | N | OFF | 20.2 |
| 5.651250 | --- | 31.62 | 50.00 | 18.38 | N | OFF | 20.2 |
| 5.651250 | 40.72 | --- | 60.00 | 19.28 | N | OFF | 20.2 |
| 6.411750 | --- | 33.12 | 50.00 | 16.88 | N | OFF | 20.3 |
| 6.411750 | 42.09 | --- | 60.00 | 17.91 | N | OFF | 20.3 |
| 7.618965 | --- | 35.80 | 50.00 | 14.20 | N | OFF | 20.3 |
| 7.618965 | 44.32 | --- | 60.00 | 15.68 | N | OFF | 20.3 |
| 9.121785 | --- | 37.82 | 50.00 | 12.18 | N | OFF | 20.4 |
| 9.121785 | 46.49 | --- | 60.00 | 13.51 | N | OFF | 20.4 |
| 10.542930 | --- | 38.42 | 50.00 | 11.58 | N | OFF | 20.4 |
| 10.542930 | 46.79 | --- | 60.00 | 13.21 | N | OFF | 20.4 |
| 12.641235 | --- | 38.65 | 50.00 | 11.35 | N | OFF | 20.6 |
| 12.641235 | 47.22 | --- | 60.00 | 12.78 | N | OFF | 20.6 |
| 14.376075 | --- | 37.32 | 50.00 | 12.68 | N | OFF | 20.7 |
| 14.376075 | 45.77 | --- | 60.00 | 14.23 | N | OFF | 20.7 |
| 16.099800 | --- | 31.28 | 50.00 | 18.72 | N | OFF | 20.7 |
| 16.099800 | 39.52 | --- | 60.00 | 20.48 | N | OFF | 20.7 |
| 16.941750 | --- | 23.63 | 50.00 | 26.37 | N | OFF | 20.8 |
| 16.941750 | 31.92 | --- | 60.00 | 28.08 | N | OFF | 20.8 |

# Appendix C1. Radiated Spurious Emission Test Data

| | | | |
|---|---|---|---|
| **Test Engineer :** | Ken Kuo、York Huang | **Temperature :** | 21.5~25.2°C |
| | | **Relative Humidity :** | 57.7~62.8% |

## Note symbol

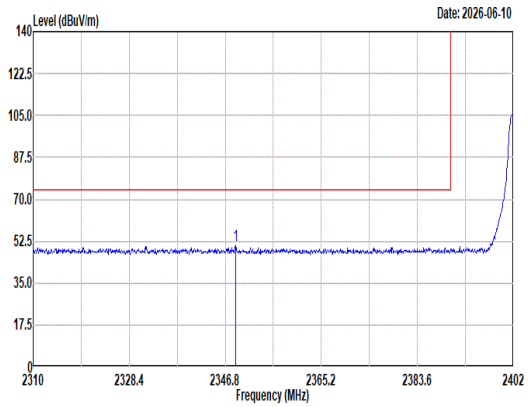
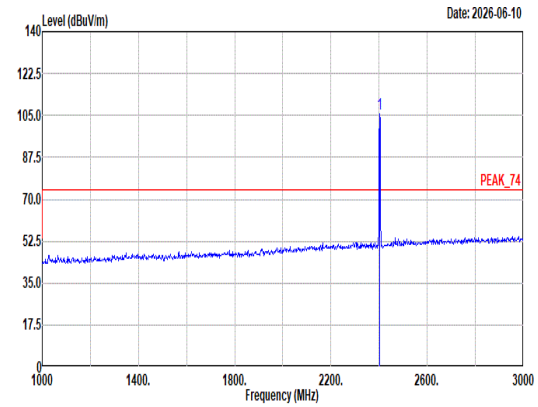
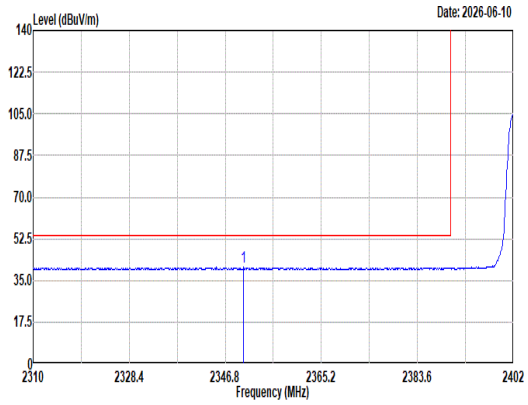
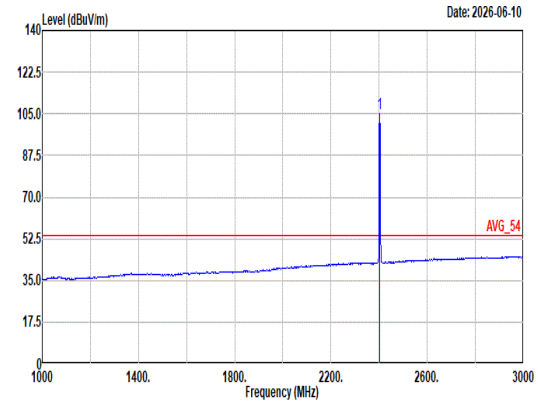
| | |
|---|---|
| -L | **Low channel location** |
| -R | **High channel location** |

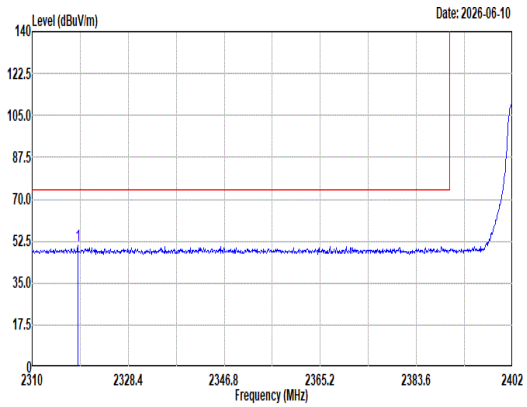
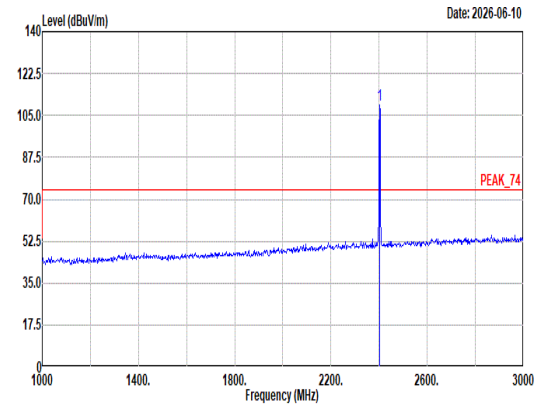
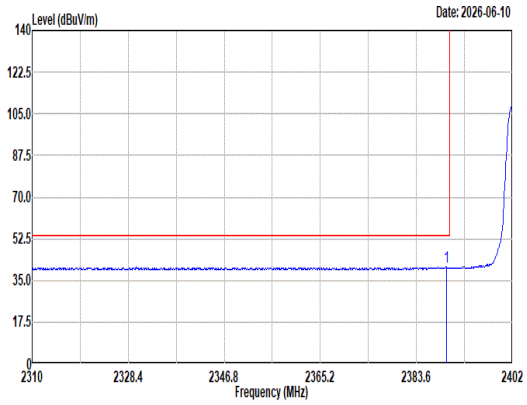
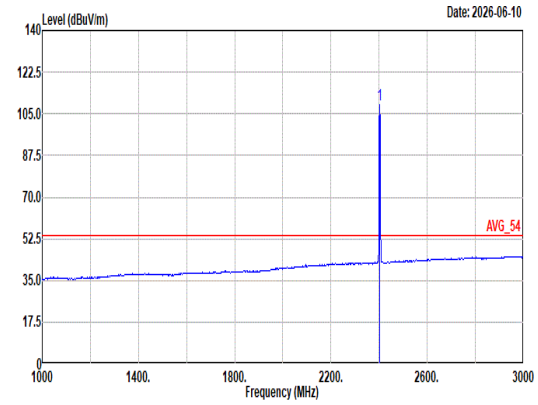
## C1-1.Radiated Spurious Emission Test Modes

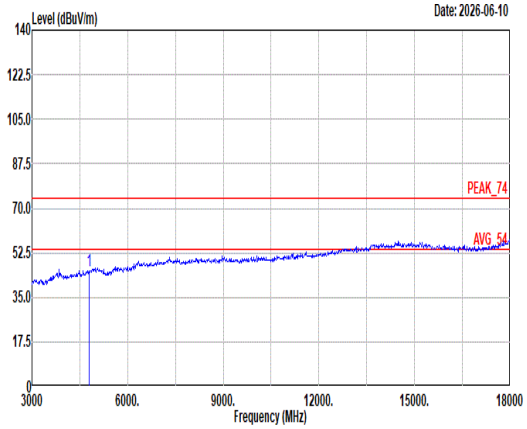
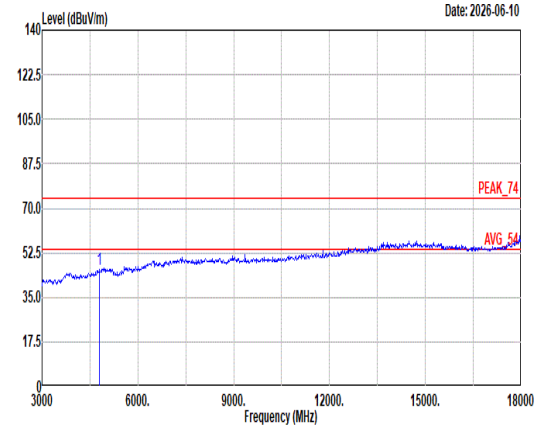
| Mode | Band (MHz) | Antenna | Modulation | Channel | Frequency | Data Rate | RU | Remark |
|---|---|---|---|---|---|---|---|---|
| Mode 5 | 2400-2483.5 | 6 | Bluetooth-LE GSFK | 00 | 2402 | 1Mbps | - | - |
| Mode 6 | 2400-2483.5 | 6 | Bluetooth-LE GSFK | 19 | 2440 | 1Mbps | - | - |
| Mode 7 | 2400-2483.5 | 6 | Bluetooth-LE GSFK | 39 | 2480 | 1Mbps | - | - |

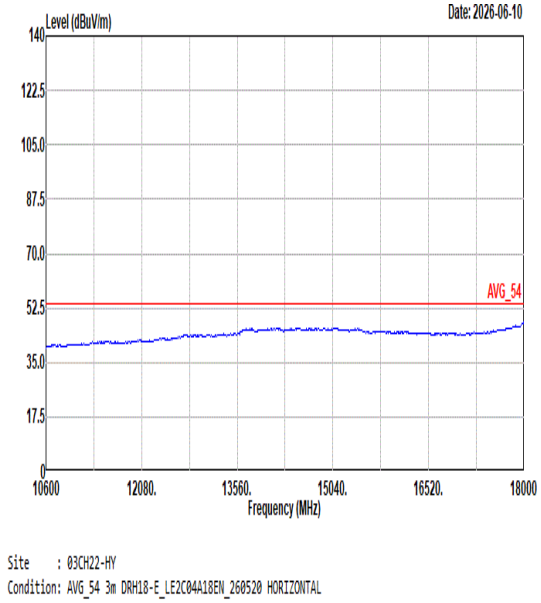
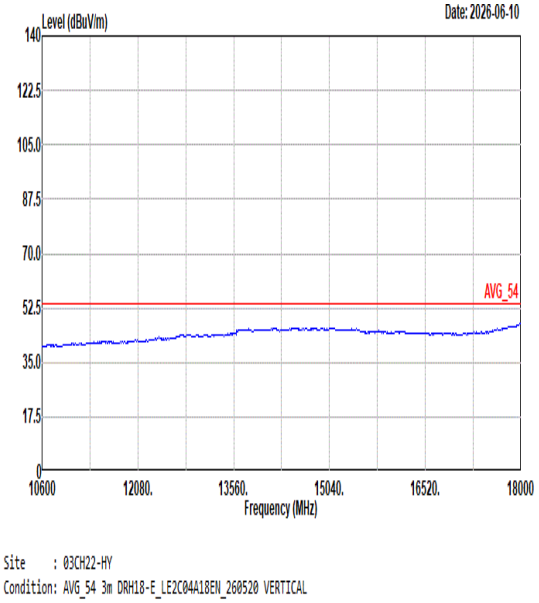
## C1-2.Summary of each worse mode

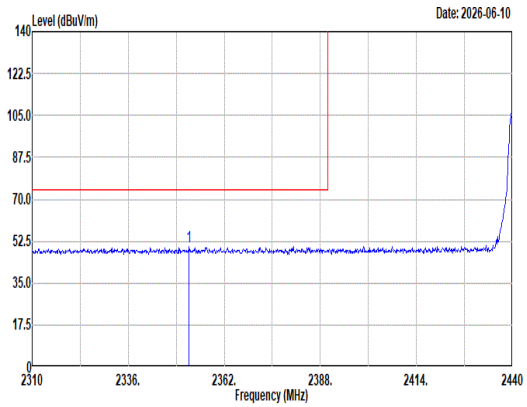
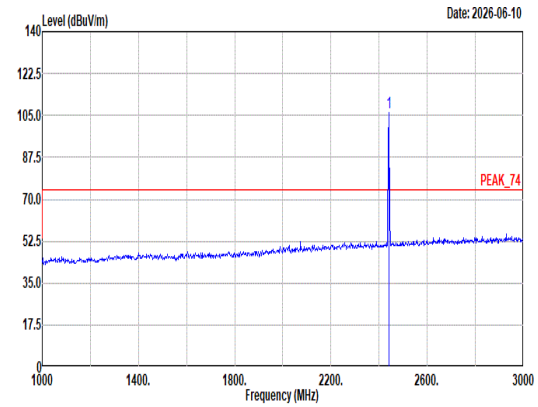
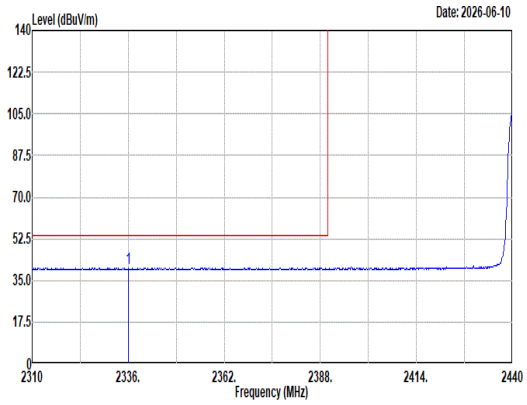
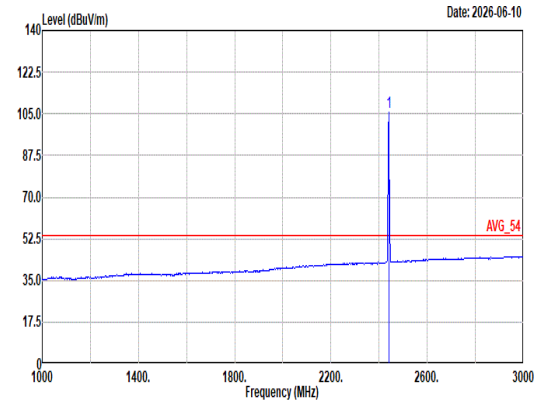
| Mode | Modulation | Ch. | Freq. (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pol. | Peak Avg. | Result | RU | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | Bluetooth-LE GSFK | 00 | 2389.30 | 40.68 | 54.00 | -13.32 | V | Avg. | Pass | - | Band Edge |
| 5 | Bluetooth-LE GSFK | 00 | 4804.00 | 45.72 | 74.00 | -28.28 | V | Peak | Pass | - | Harmonic |
| 6 | Bluetooth-LE GSFK | 19 | 2493.04 | 41.14 | 54.00 | -12.86 | V | Avg. | Pass | - | Band Edge |
| 6 | Bluetooth-LE GSFK | 19 | 7320.00 | 40.39 | 54.00 | -13.61 | V | Avg. | Pass | - | Harmonic |
| 7 | Bluetooth-LE GSFK | 39 | 2483.90 | 41.86 | 54.00 | -12.14 | V | Avg. | Pass | - | Band Edge |
| 7 | Bluetooth-LE GSFK | 39 | 7440.00 | 40.47 | 54.00 | -13.53 | H | Avg. | Pass | - | Harmonic |

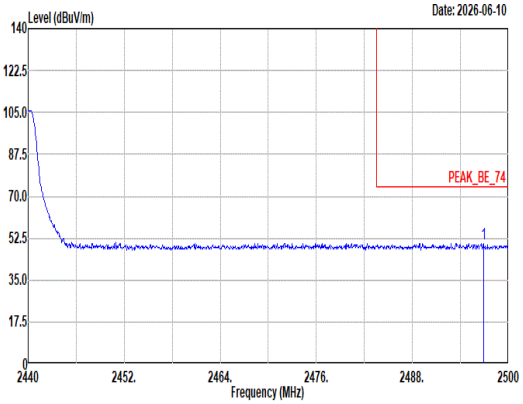
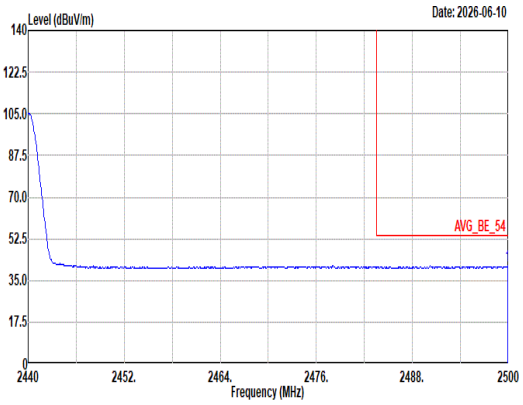
| Mode | 5 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH00_2402MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>1 2348.82 50.51 74.00 -23.49 38.50 27.00 8.05 32.55 9.51 100 299 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>1 2402.00 105.67 ------ ------ 93.72 26.90 8.11 32.59 9.53 100 299 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>1 2350.30 40.47 54.00 -13.53 28.46 27.00 8.05 32.55 9.51 100 299 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>1 2402.00 105.11 ------ ------ 93.16 26.90 8.11 32.59 9.53 100 299 Average |

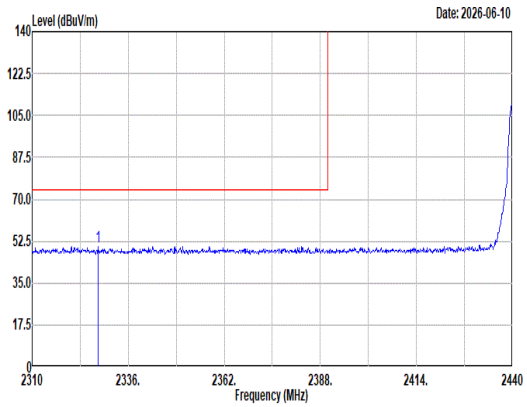
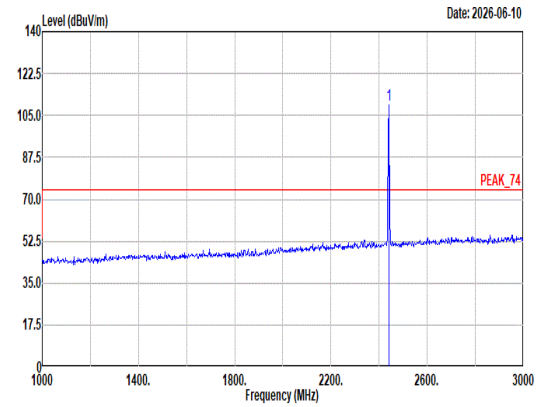
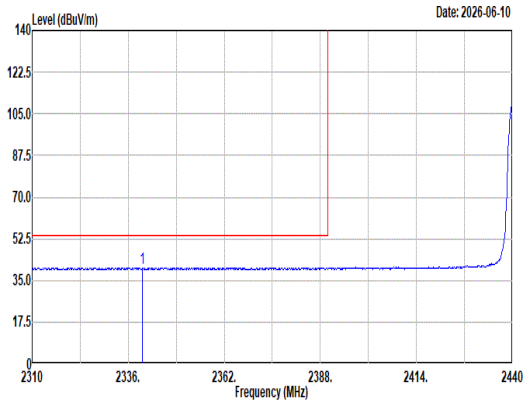
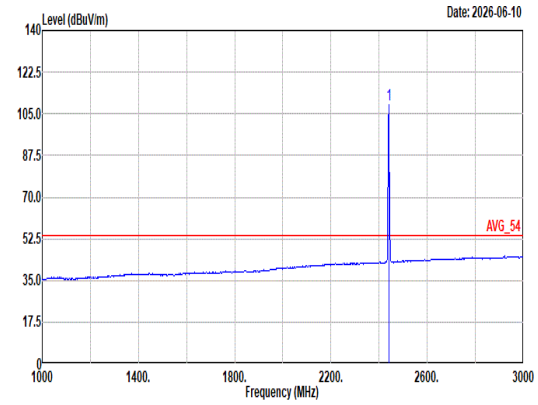
| Mode | 5 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH00_2402MHz | |
| ANT | 6 | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2318.74 50.57 74.00 -23.43 38.58 27.01 8.01 32.53 9.50 164 257 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2402.00 109.43 ------ ------ 97.48 26.90 8.11 32.59 9.53 164 257 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2389.30 40.68 54.00 -13.32 28.73 26.90 8.10 32.58 9.53 164 257 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2402.00 108.95 ------ ------ 97.00 26.90 8.11 32.59 9.53 164 257 Average |

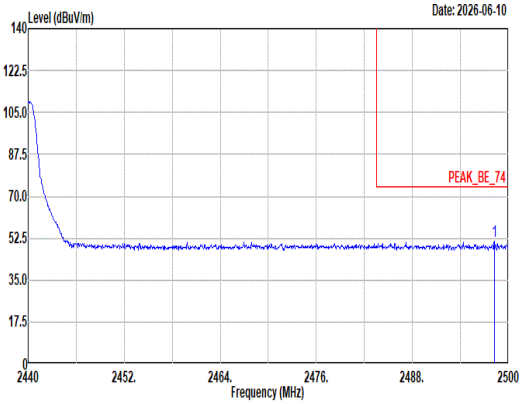
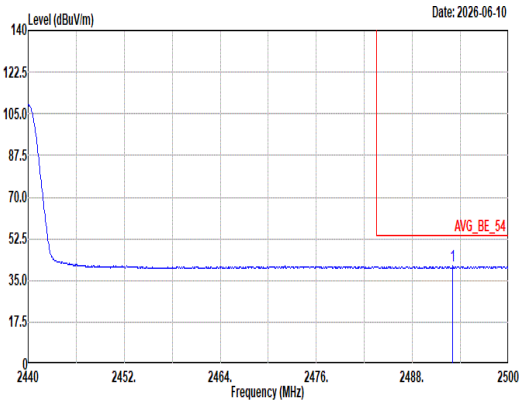
| Mode | 5 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH00_2402MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br><br>Freq Level Limit Line Margin Read Level Ant Factor 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 4804.00 45.56 74.00 -28.44 33.65 32.40 11.61 33.55 1.45 -- -- Peak |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br><br>Freq Level Limit Line Margin 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 4804.00 45.72 74.00 -28.28 33.81 32.40 11.61 33.55 1.45 -- -- Peak |

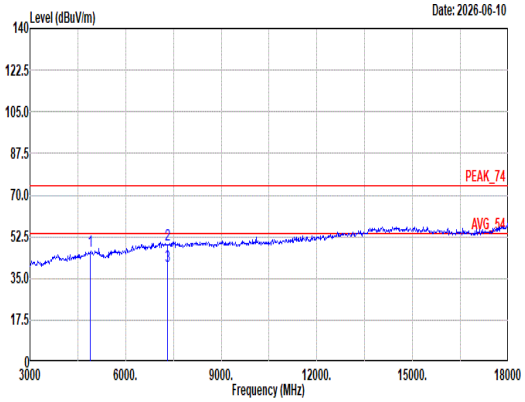
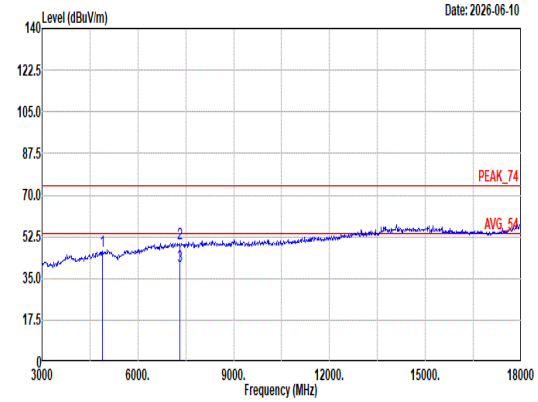
| Mode | 5 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH00_2402MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  |  |

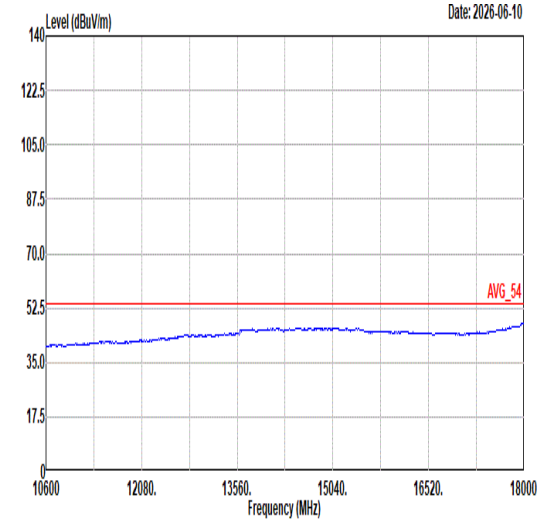
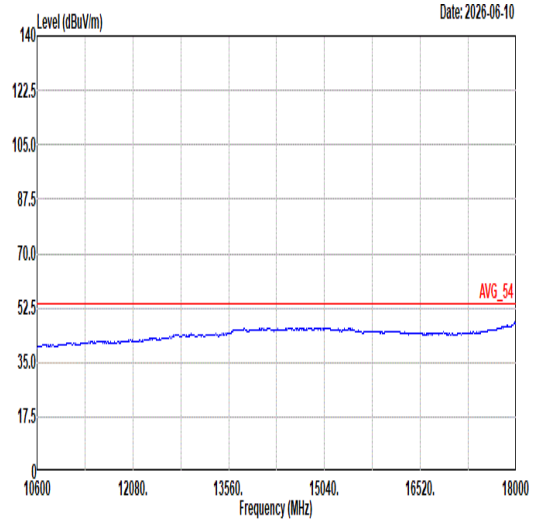
| Mode | 6 | |
|---|---|---|
| | Band Edge - L | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2352.51 50.07 74.00 -23.93 38.06 27.00 8.05 32.55 9.51 398 315 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2440.00 106.14 ------ ------ 94.03 27.00 8.19 32.61 9.53 398 315 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2336.00 40.38 54.00 -13.62 28.39 27.00 8.03 32.54 9.50 398 315 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2440.00 105.62 ------ ------ 93.51 27.00 8.19 32.61 9.53 398 315 Average |

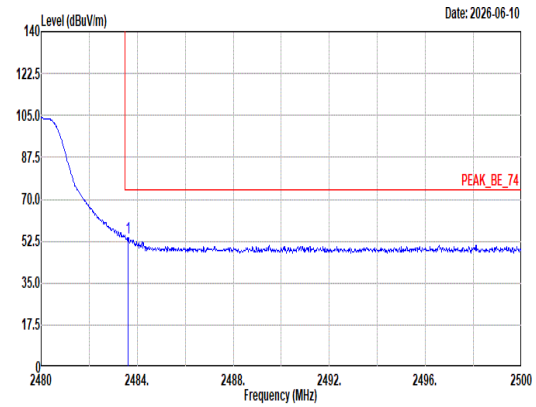
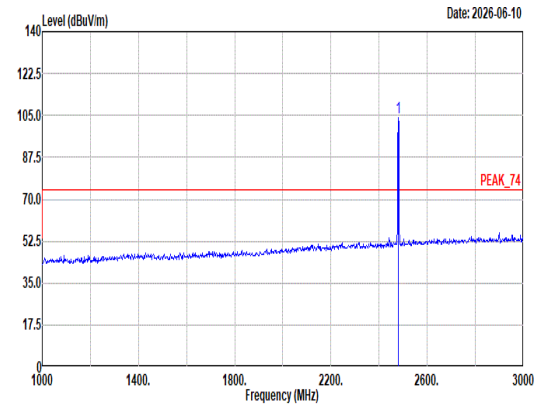
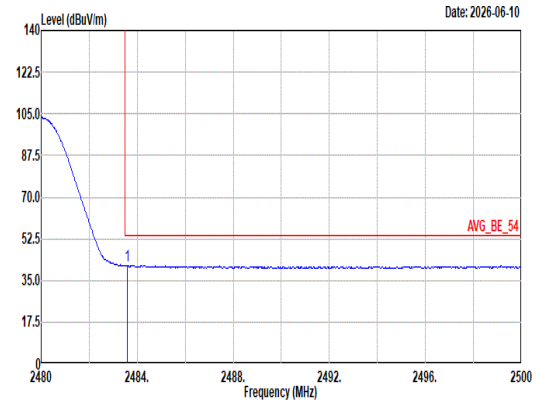
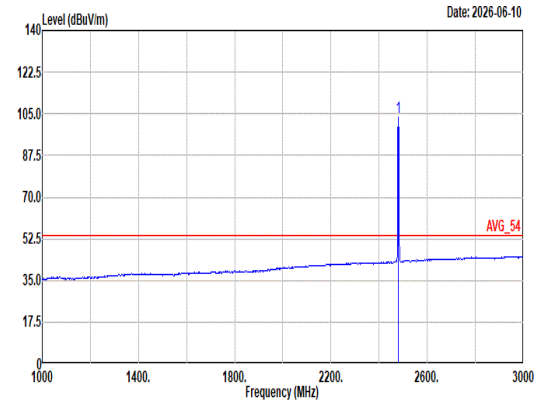
| Mode | 6 | |
|---|---|---|
| | Band Edge - R | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br><br>Limit Read Ant Cable Preamp Aux APos TPos<br>Freq Level Line Margin Level Factor Loss Factor Factor Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2496.88 50.44 74.00 -23.56 38.07 27.17 8.31 32.65 9.54 398 315 Peak | Blank |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br><br>Limit Read Ant Cable Preamp Aux APos TPos<br>Freq Level Line Margin Level Factor Loss Factor Factor Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2499.94 41.00 54.00 -13.00 28.59 27.20 8.32 32.65 9.54 398 315 Average | Blank |

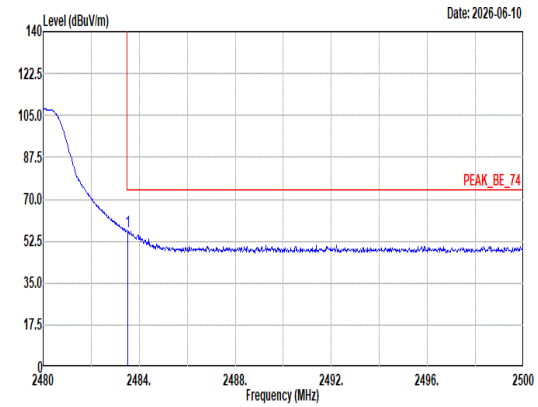
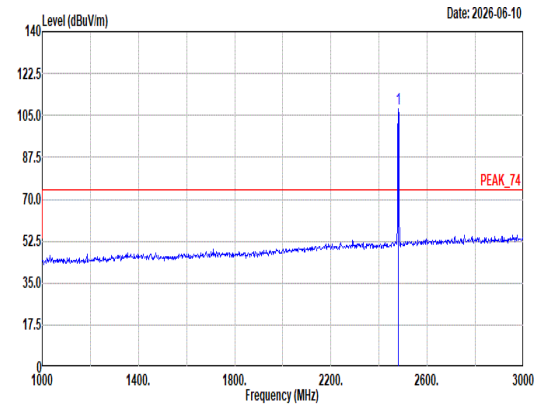
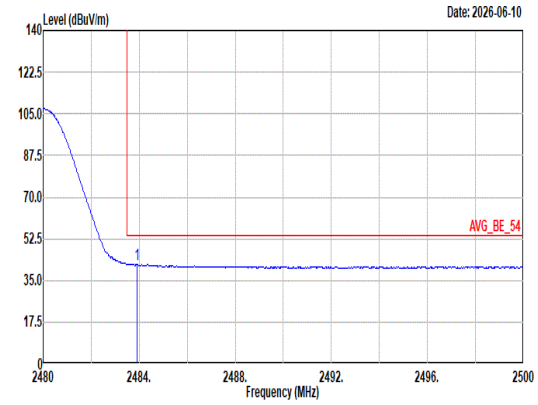
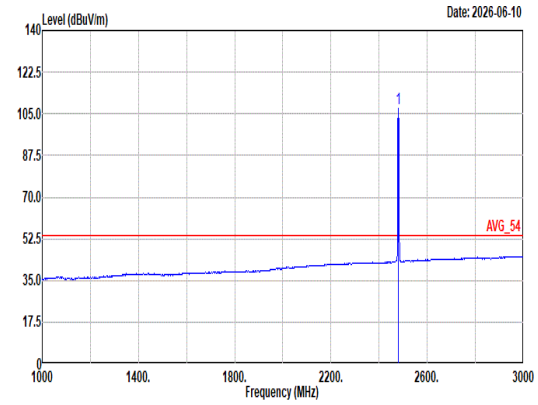
| Mode | 6 | |
|---|---|---|
| | Band Edge - L | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2327.81 50.43 74.00 -23.57 38.45 27.00 8.02 32.54 9.50 221 261 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2440.00 109.46 ------ ------ 97.35 27.00 8.19 32.61 9.53 221 261 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2339.77 40.41 54.00 -13.59 28.40 27.00 8.04 32.54 9.51 221 261 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2440.00 108.97 ------ ------ 96.86 27.00 8.19 32.61 9.53 221 261 Average |

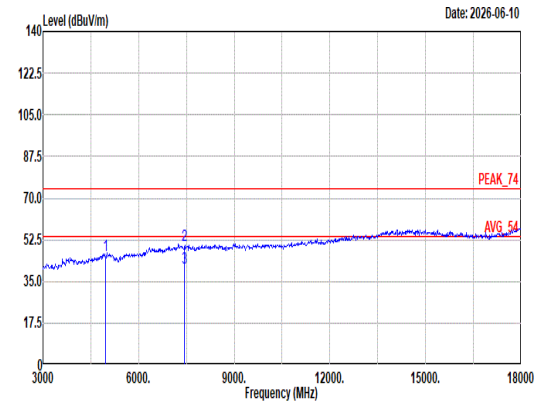
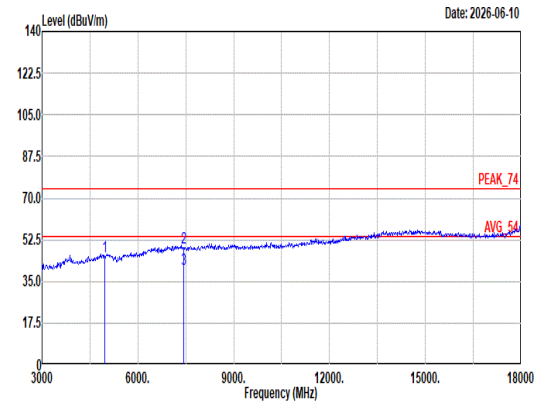
| Mode | 6 | |
|---|---|---|
| | Band Edge - R | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br><br>Limit Read Ant Cable Preamp Aux APos TPos<br>Freq Level Line Margin Level Factor Loss Factor Factor Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2498.26 51.06 74.00 -22.94 38.67 27.18 8.32 32.65 9.54 221 261 Peak | Blank |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br><br>Limit Read Ant Cable Preamp Aux APos TPos<br>Freq Level Line Margin Level Factor Loss Factor Factor Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2493.04 41.14 54.00 -12.86 28.81 27.13 8.31 32.65 9.54 221 261 Average | Blank |

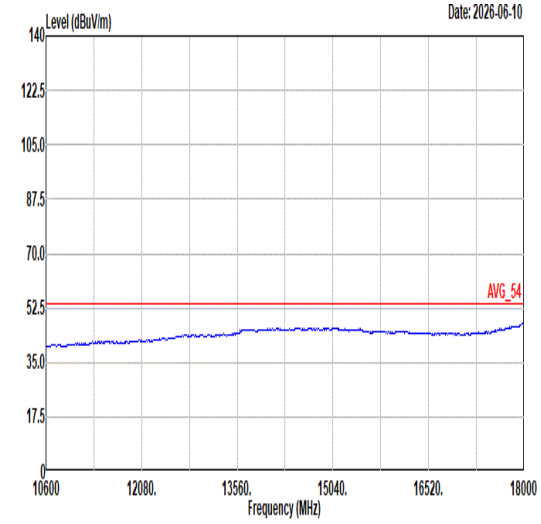
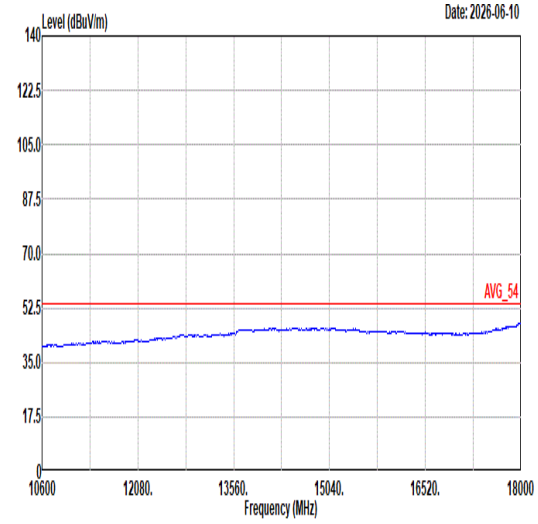
| | | |
|---|---|---|
| Mode | 6 | |
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br><br>Freq Level Limit Line Margin Read Level 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 46.60 74.00 -27.40 34.75 32.46 11.66 33.55 1.28 -- -- Peak<br>2 7320.00 49.39 74.00 -24.61 32.99 37.28 14.08 36.04 1.08 -- -- Peak<br>3 7320.00 40.27 54.00 -13.73 23.87 37.28 14.08 36.04 1.08 -- -- Average |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br><br>Freq Level Limit Line Margin 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 46.43 74.00 -27.57 34.58 32.46 11.66 33.55 1.28 -- -- Peak<br>2 7320.00 49.53 74.00 -24.47 33.13 37.28 14.08 36.04 1.08 -- -- Peak<br>3 7320.00 40.39 54.00 -13.61 23.99 37.28 14.08 36.04 1.08 -- -- Average |

| Mode | 6 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL |

| Mode | 7 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>1 2483.62 54.04 74.00 -19.96 41.69 27.16 8.29 32.64 9.54 111 227 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>1 2480.00 104.17 ------ ------ 91.79 27.20 8.28 32.64 9.54 111 227 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>1 2483.60 41.35 54.00 -12.65 29.00 27.16 8.29 32.64 9.54 111 227 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>1 2480.00 103.65 ------ ------ 91.27 27.20 8.28 32.64 9.54 111 227 Average |

| Mode | 7 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2483.52 56.59 74.00 -17.41 44.24 27.16 8.29 32.64 9.54 178 262 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2480.00 107.89 ------ ------ 95.51 27.20 8.28 32.64 9.54 178 262 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2483.90 41.86 54.00 -12.14 29.51 27.16 8.29 32.64 9.54 178 262 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:2.700kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2480.00 107.40 ------ ------ 95.02 27.20 8.28 32.64 9.54 178 262 Average |

| Mode | 7 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br><br>Freq Level Limit Line Margin 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 4960.00 45.89 74.00 -28.11 33.81 32.82 11.71 33.54 1.09 -- -- Peak<br>2 7440.00 50.02 74.00 -23.98 33.63 37.22 14.20 36.13 1.10 -- -- Peak<br>3 7440.00 40.47 54.00 -13.53 24.08 37.22 14.20 36.13 1.10 -- -- Average |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br><br>Freq Level Limit Line Margin 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 4960.00 45.62 74.00 -28.38 33.54 32.82 11.71 33.54 1.09 -- -- Peak<br>2 7440.00 49.31 74.00 -24.69 32.92 37.22 14.20 36.13 1.10 -- -- Peak<br>3 7440.00 40.10 54.00 -13.90 23.71 37.22 14.20 36.13 1.10 -- -- Average |

| Mode | 7 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL |

# Appendix C. Radiated Spurious Emission Test Data

| | | | |
|---|---|---|---|
| **Test Engineer :** | Ken Kuo、York Huang | **Temperature :** | 21.5~25.2°C |
| | | **Relative Humidity :** | 57.7~62.8% |

## Note symbol

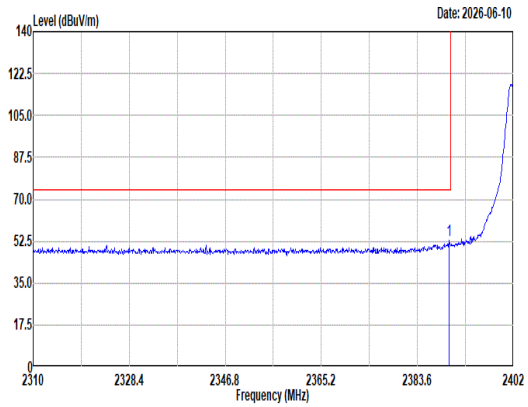
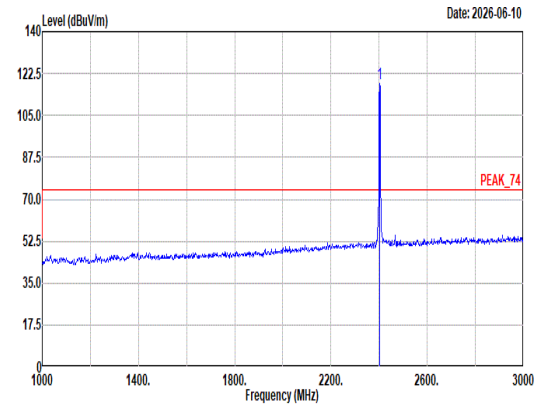
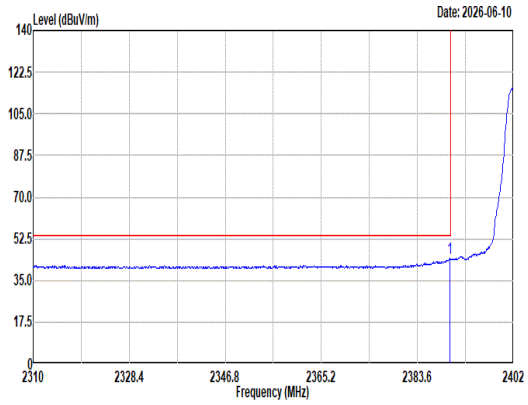
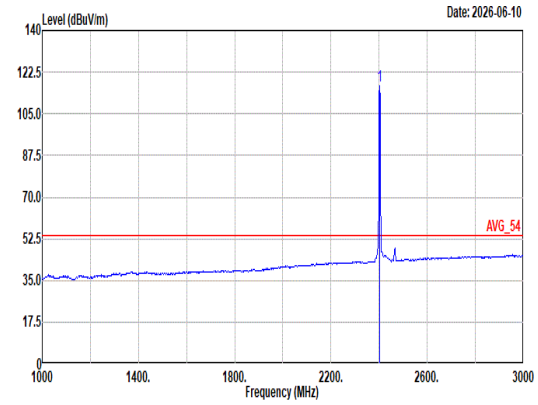
| | |
|---|---|
| -L | **Low channel location** |
| -R | **High channel location** |

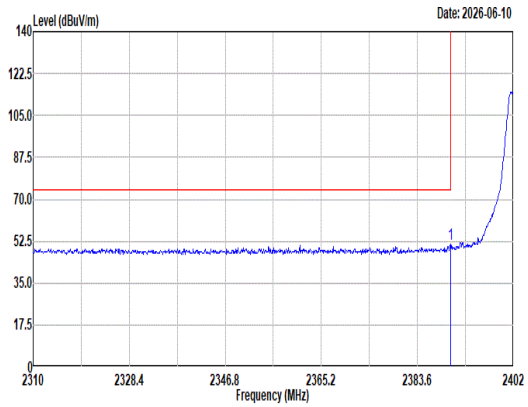
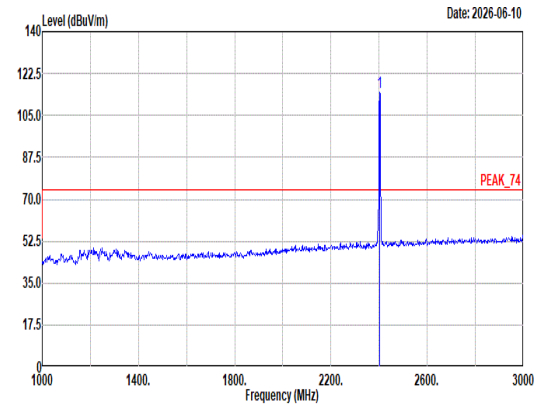
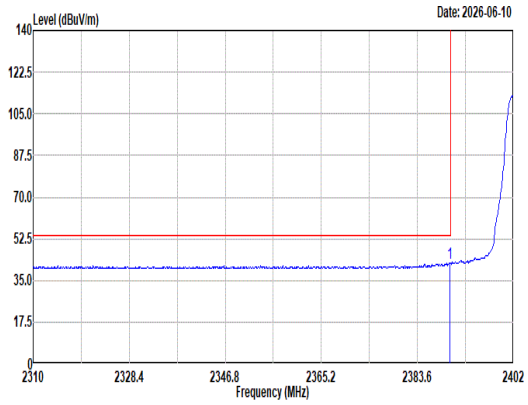
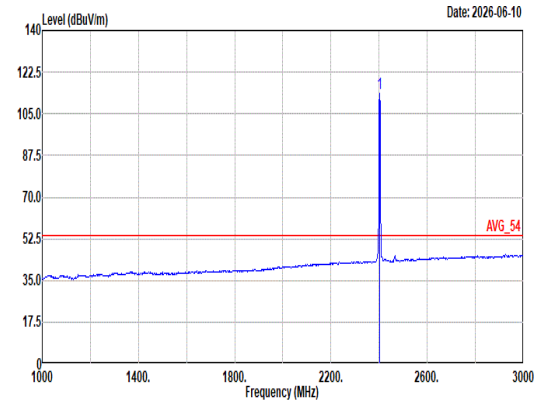
## C2-1.Radiated Spurious Emission Test Modes

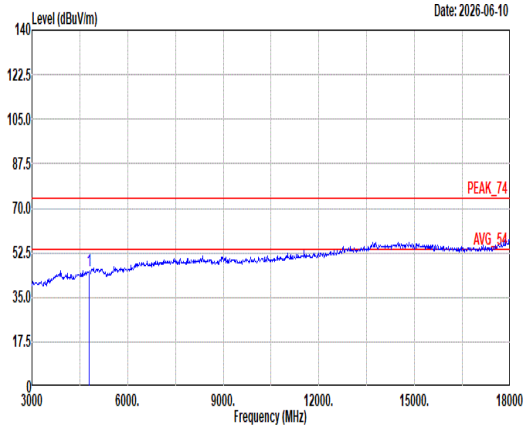
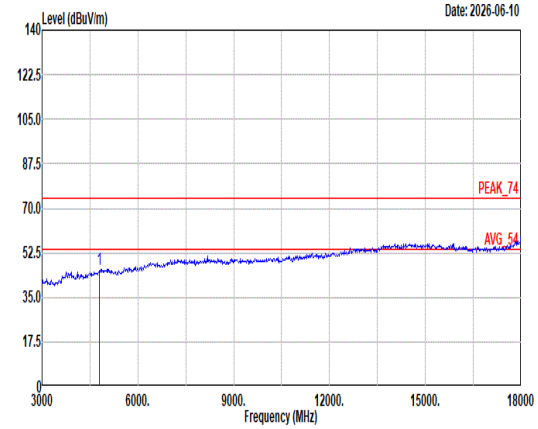
| Mode | Band (MHz) | Antenna | Modulation | Channel | Frequency | Data Rate | RU | Remark |
|---|---|---|---|---|---|---|---|---|
| Mode 8 | 2400-2483.5 | 6 | Bluetooth-LE GSFK | 00 | 2402 | 2Mbps | - | - |
| Mode 9 | 2400-2483.5 | 6 | Bluetooth-LE GSFK | 19 | 2440 | 2Mbps | - | - |
| Mode 10 | 2400-2483.5 | 6 | Bluetooth-LE GSFK | 39 | 2480 | 2Mbps | - | - |
| Mode 11 | 2400-2483.5 | 6 | Bluetooth-LE GSFK | 39 | 2480 | 2Mbps | - | LF |
| Mode 27 | 2400-2483.5 | 6 | Bluetooth-LE GSFK | 39 | 2480 | 2Mbps | - | SHF |

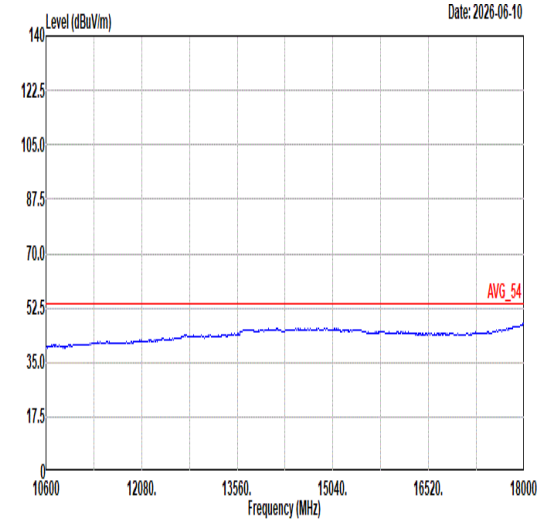
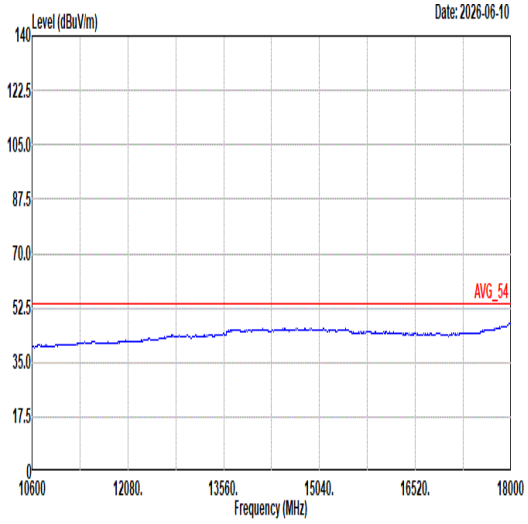
## C2-2.Summary of each worse mode

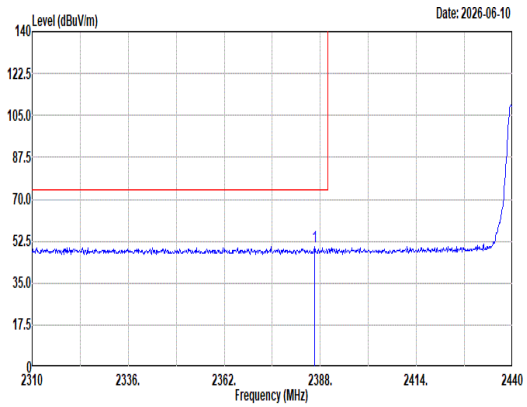
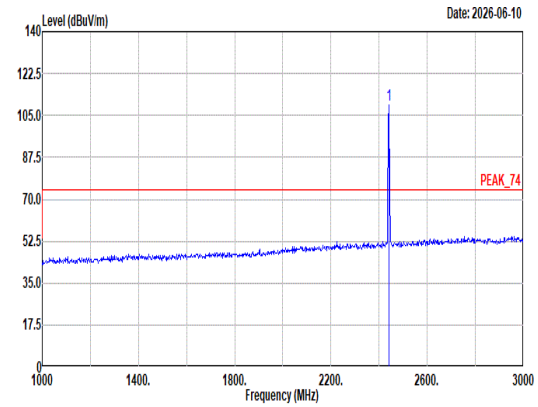
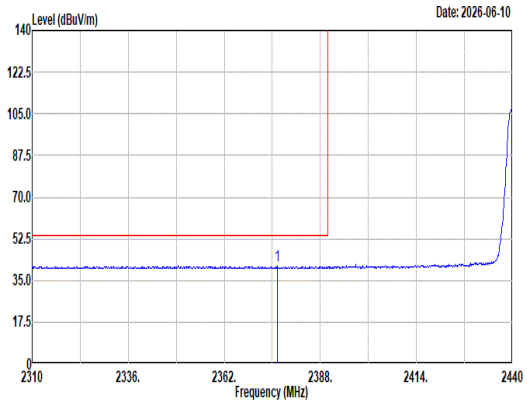
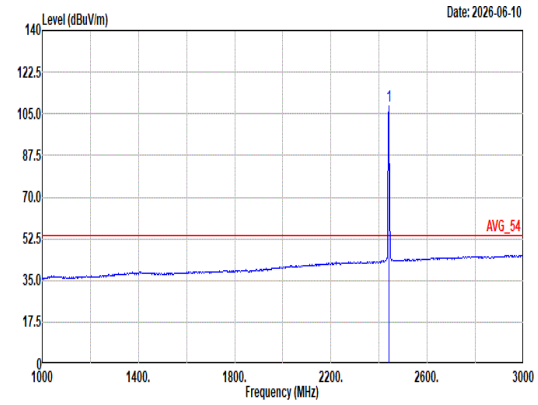
| Mode | Modulation | Ch. | Freq. (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pol. | Peak Avg. | Result | RU | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | Bluetooth-LE GSFK | 00 | 2389.76 | 44.14 | 54.00 | -9.86 | H | Avg. | Pass | - | Band Edge |
| 8 | Bluetooth-LE GSFK | 00 | 4804.00 | 45.84 | 74.00 | -28.16 | V | Peak | Pass | - | Harmonic |
| 9 | Bluetooth-LE GSFK | 19 | 2497.90 | 41.64 | 54.00 | -12.36 | H | Avg. | Pass | - | Band Edge |
| 9 | Bluetooth-LE GSFK | 19 | 7320.00 | 39.98 | 54.00 | -14.02 | V | Avg. | Pass | - | Harmonic |
| 10 | Bluetooth-LE GSFK | 39 | 2483.52 | 48.51 | 54.00 | -5.49 | H | Avg. | Pass | - | Band Edge |
| 10 | Bluetooth-LE GSFK | 39 | 7440.00 | 40.16 | 54.00 | -13.84 | V | Avg. | Pass | - | Harmonic |
| 11 | LF | 39 | 33.88 | 33.42 | 40.00 | -6.58 | V | Peak | Pass | - | LF |
| 27 | SHF | 39 | 24415.33 | 40.01 | 74.00 | -33.99 | H | Peak | Pass | - | SHF |

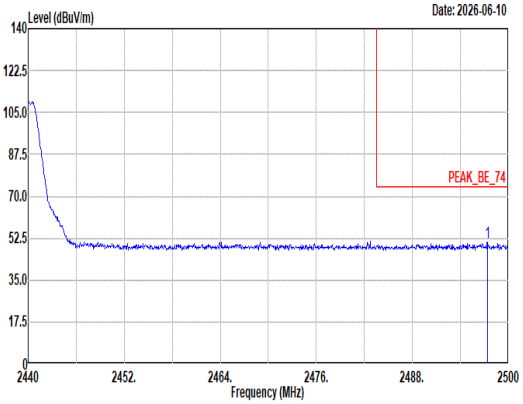
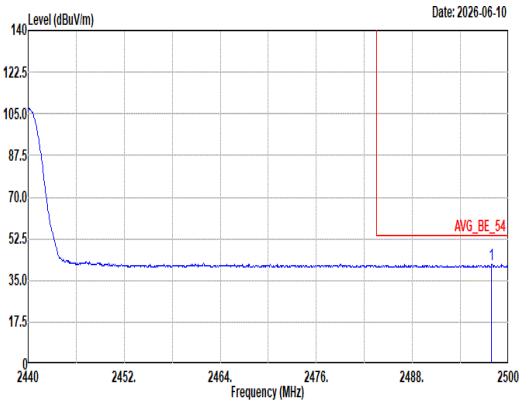
| Mode | 8 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH00_2402MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2389.67 52.95 74.00 -21.05 41.00 26.90 8.10 32.58 9.53 100 287 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2402.00 118.14 ------ ------ 106.19 26.90 8.11 32.59 9.53 100 287 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2389.76 44.14 54.00 -9.86 32.19 26.90 8.10 32.58 9.53 100 287 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2402.00 116.75 ------ ------ 104.80 26.90 8.11 32.59 9.53 100 287 Average |

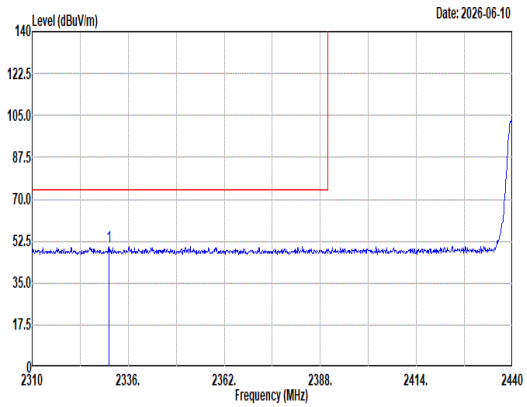
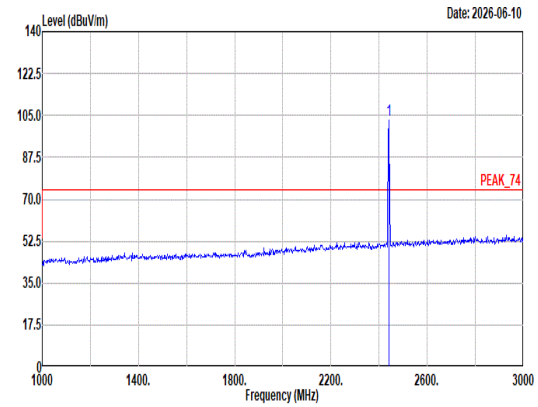
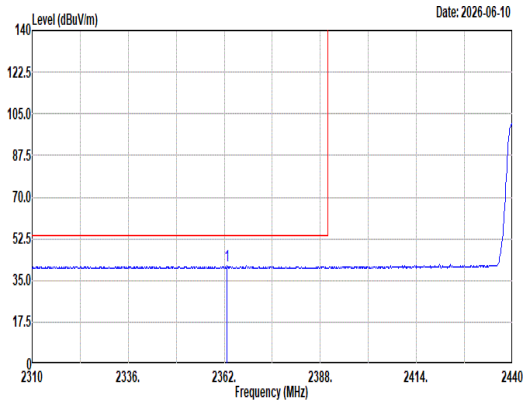
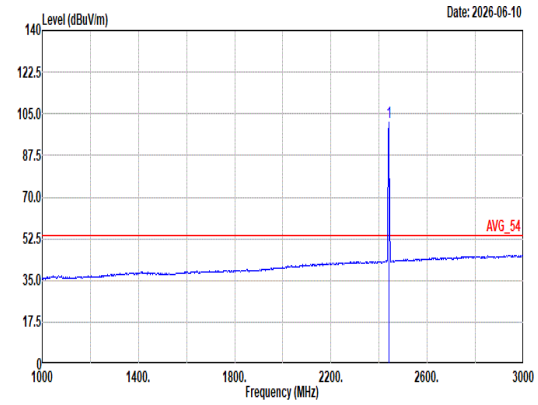
| Mode | 8 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH00_2402MHz | |
| ANT | 6 | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2389.95 51.07 74.00 -22.93 39.12 26.90 8.10 32.58 9.53 400 245 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2402.00 114.78 ------ ------ 102.83 26.90 8.11 32.59 9.53 400 245 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2389.76 42.24 54.00 -11.76 30.29 26.90 8.10 32.58 9.53 400 245 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2402.00 113.39 ------ ------ 101.44 26.90 8.11 32.59 9.53 400 245 Average |

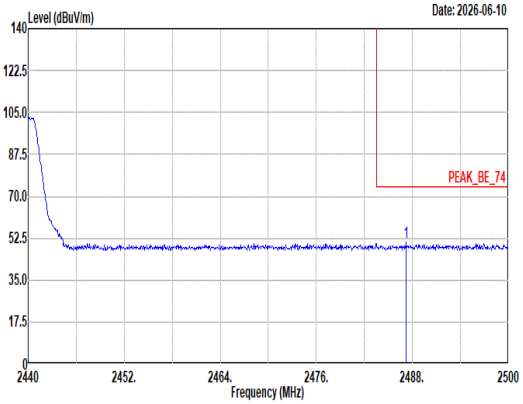
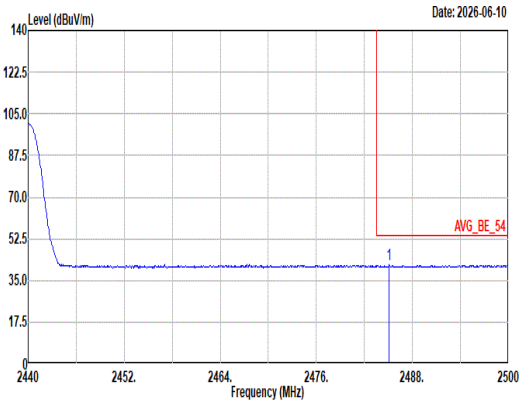
| Mode | 8 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH00_2402MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br><br>Freq Level Limit Line Margin Read Level Ant 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 4804.00 45.34 74.00 -28.66 33.43 32.40 11.61 33.55 1.45 -- -- Peak |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br><br>Freq Level Limit Line Margin 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 4804.00 45.84 74.00 -28.16 33.93 32.40 11.61 33.55 1.45 -- -- Peak |

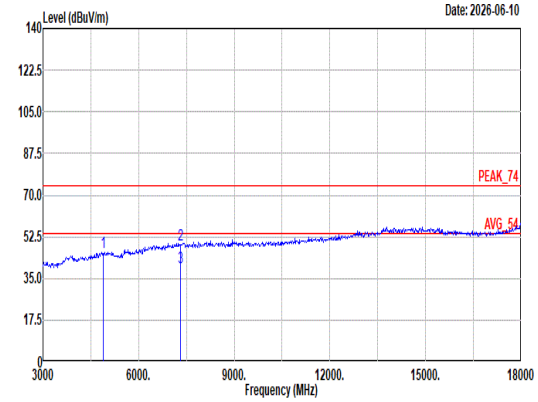
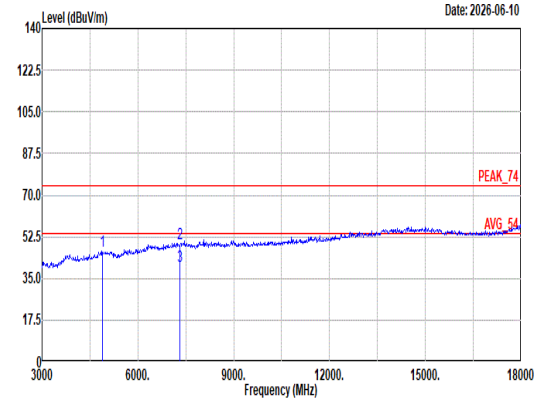
| Mode | 8 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH00_2402MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL |

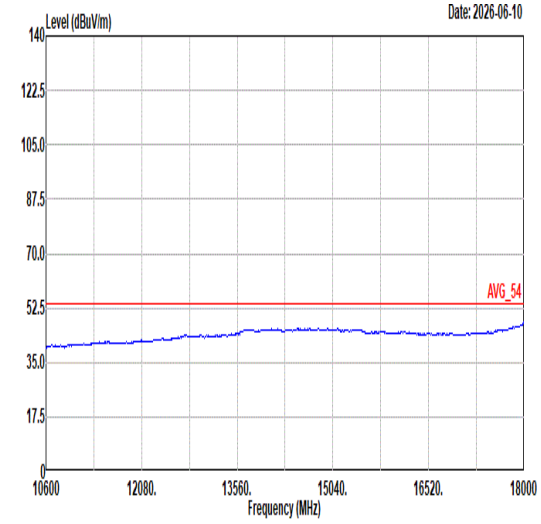
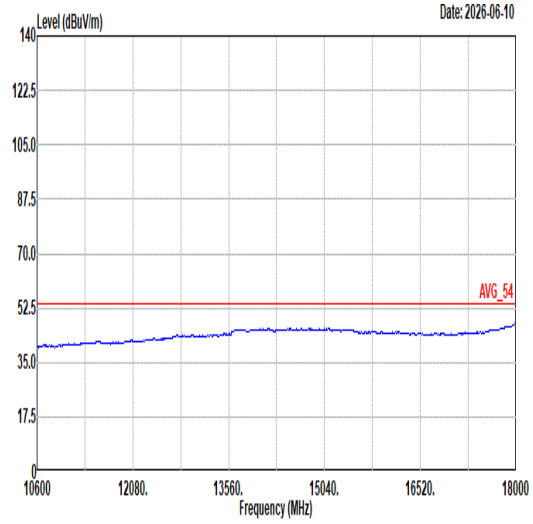
| Mode | 9 | |
|---|---|---|
| | Band Edge - L | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2386.44 50.41 74.00 -23.59 38.48 26.90 8.09 32.58 9.52 300 278 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2440.00 109.44 ------ ------ 97.33 27.00 8.19 32.61 9.53 300 278 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2376.30 41.03 54.00 -12.97 29.10 26.90 8.08 32.57 9.52 300 278 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2440.00 108.04 ------ ------ 95.93 27.00 8.19 32.61 9.53 300 278 Average |

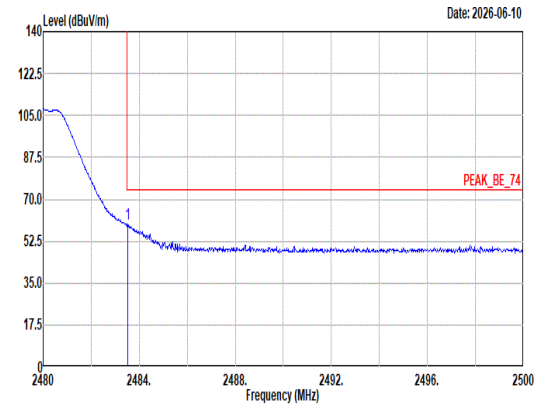
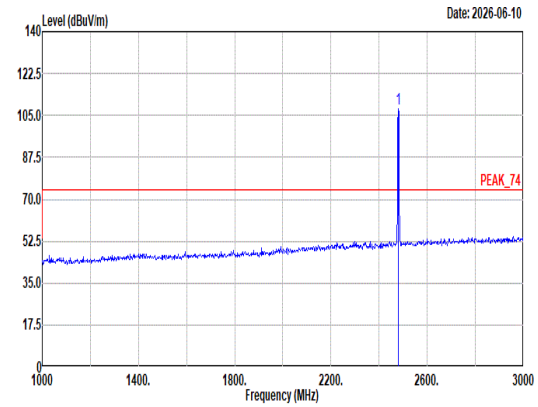
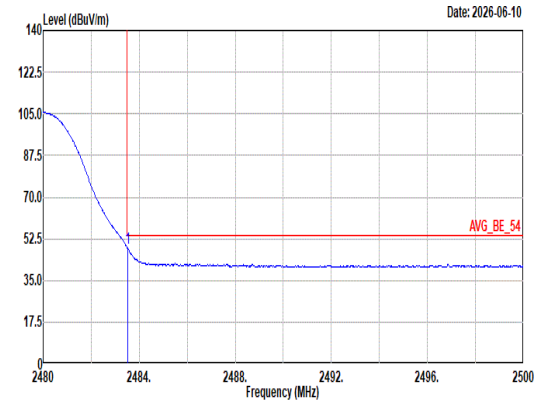
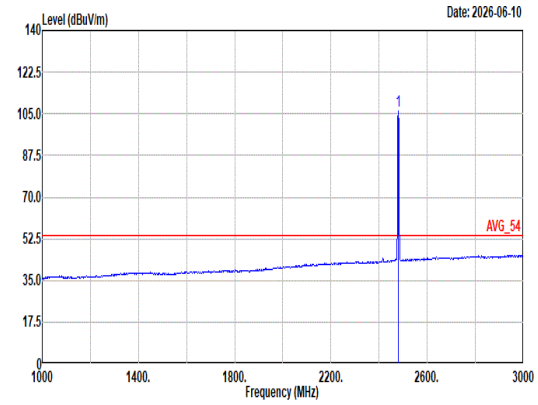
| Mode | 9 | |
|---|---|---|
| | Band Edge - R | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br><br>Limit Read Ant Cable Preamp Aux APos TPos<br>Freq Level Line Margin Level Factor Loss Factor Factor Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2497.36 50.77 74.00 -23.23 38.40 27.17 8.31 32.65 9.54 300 278 Peak | Blank |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br><br>Limit Read Ant Cable Preamp Aux APos TPos<br>Freq Level Line Margin Level Factor Loss Factor Factor Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2497.90 41.64 54.00 -12.36 29.25 27.18 8.32 32.65 9.54 300 278 Average | Blank |

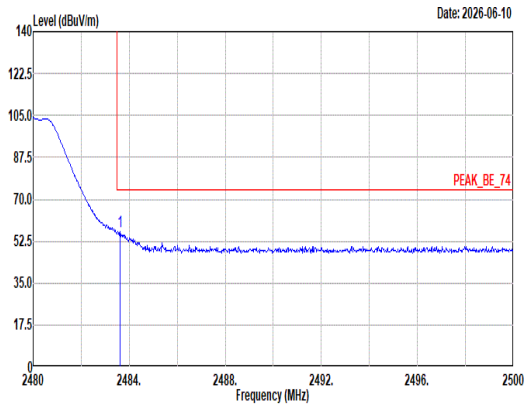
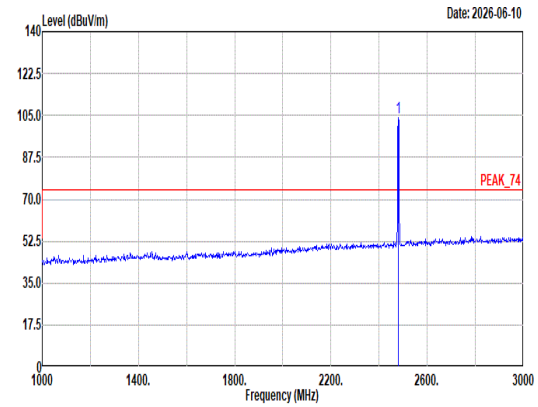
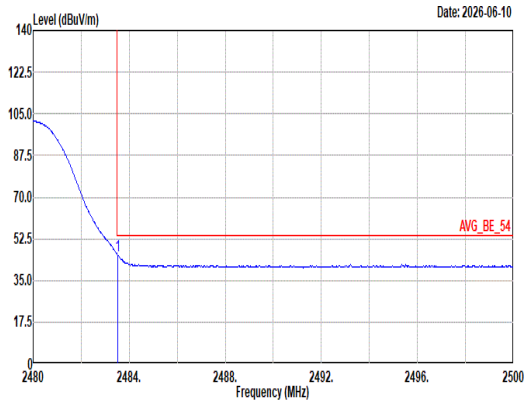
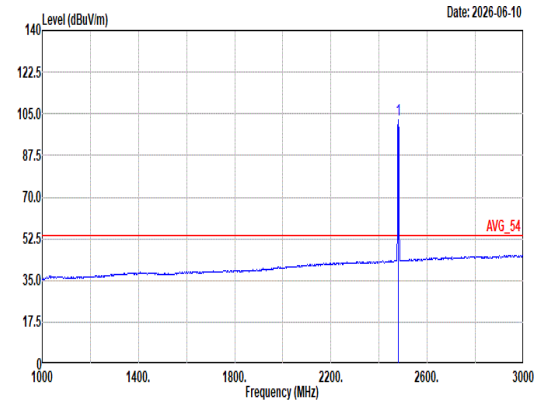
| Mode | 9 | |
|---|---|---|
| | Band Edge - L | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2330.80 50.12 74.00 -23.88 38.13 27.00 8.03 32.54 9.50 400 239 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2440.00 103.03 ------ ------ 90.92 27.00 8.19 32.61 9.53 400 239 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2362.78 41.03 54.00 -12.97 29.03 26.97 8.07 32.56 9.52 400 239 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2440.00 101.62 ------ ------ 89.51 27.00 8.19 32.61 9.53 400 239 Average |

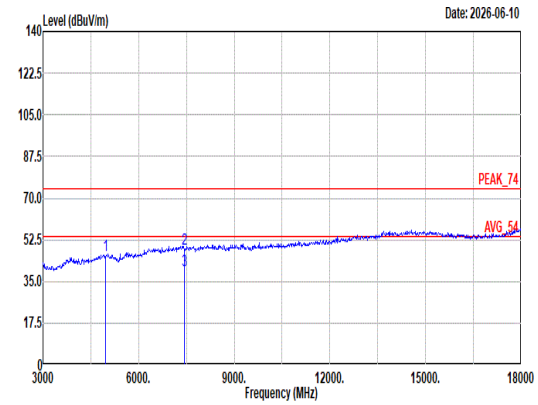
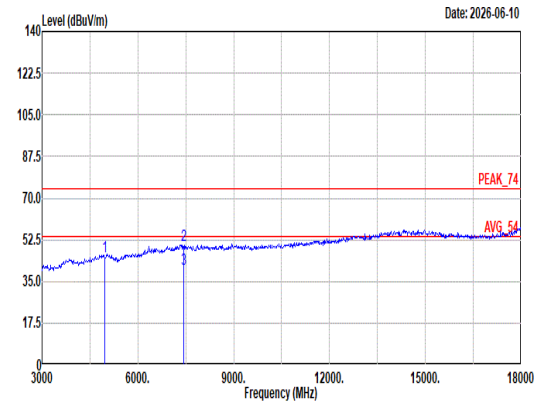
| Mode | 9 | |
|---|---|---|
| | Band Edge - R | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br><br>Limit Read Ant Cable Preamp Aux APos TPos<br>Freq Level Line Margin Level Factor Loss Factor Factor Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2487.22 50.47 74.00 -23.53 38.15 27.13 8.29 32.64 9.54 400 239 Peak | Blank |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br><br>Limit Read Ant Cable Preamp Aux APos TPos<br>Freq Level Line Margin Level Factor Loss Factor Factor Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 2485.12 41.51 54.00 -12.49 29.17 27.15 8.29 32.64 9.54 400 239 Average | Blank |

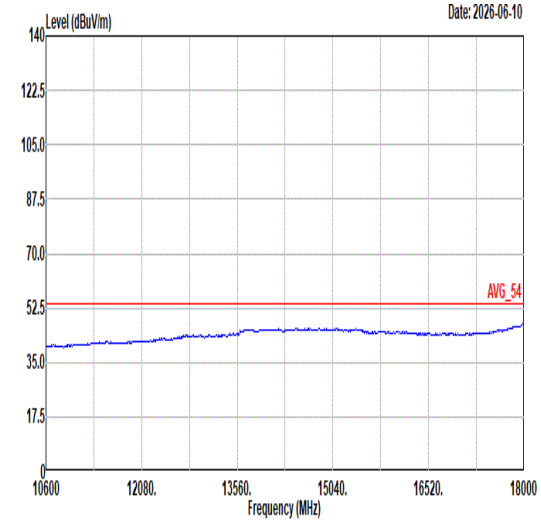
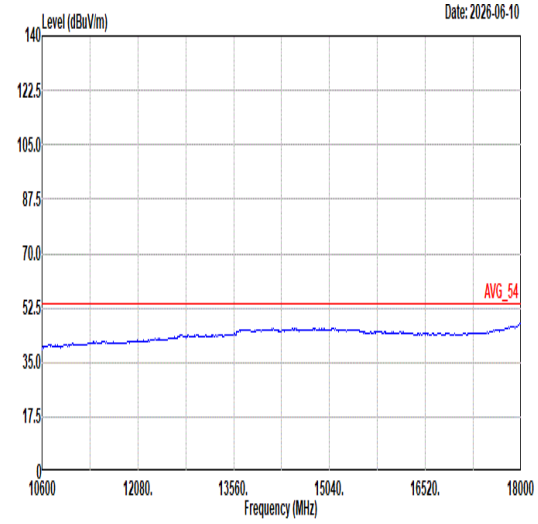
| Mode | 9 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br><br>Freq Level Limit Line Margin Read Level Ant 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 45.71 74.00 -28.29 33.86 32.46 11.66 33.55 1.28 -- -- Peak<br>2 7320.00 49.19 74.00 -24.81 32.79 37.28 14.08 36.04 1.08 -- -- Peak<br>3 7320.00 39.53 54.00 -14.47 23.13 37.28 14.08 36.04 1.08 -- -- Average |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br><br>Freq Level Limit Line Margin 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 46.73 74.00 -27.27 34.88 32.46 11.66 33.55 1.28 -- -- Peak<br>2 7320.00 49.57 74.00 -24.43 33.17 37.28 14.08 36.04 1.08 -- -- Peak<br>3 7320.00 39.98 54.00 -14.02 23.58 37.28 14.08 36.04 1.08 -- -- Average |

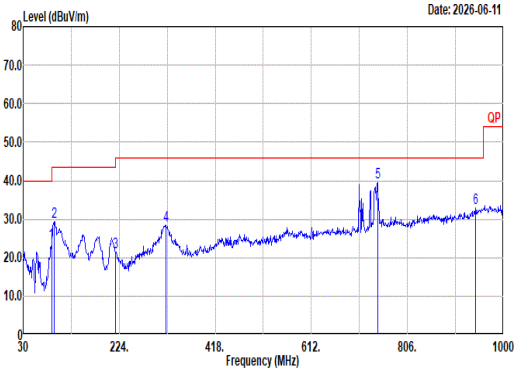
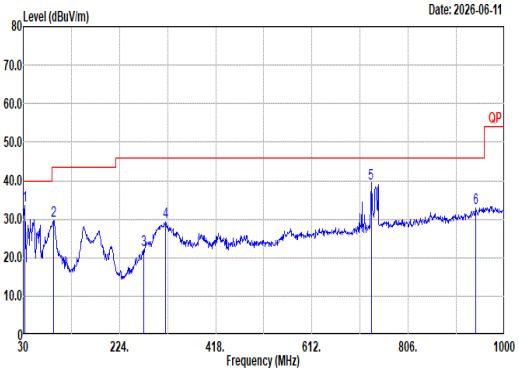
| Mode | 9 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK _CH19_2440MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL |

| Mode | 10 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2483.52 59.61 74.00 -14.39 47.26 27.16 8.29 32.64 9.54 118 273 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2480.00 107.90 ------ ------ 95.52 27.20 8.28 32.64 9.54 118 273 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2483.52 48.51 54.00 -5.49 36.16 27.16 8.29 32.64 9.54 118 273 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2480.00 106.44 ------ ------ 94.06 27.20 8.28 32.64 9.54 118 273 Average |

| Mode | 10 | |
|---|---|---|
| | Band Edge | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Vertical | Fundamental |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_BE_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2483.62 56.64 74.00 -17.36 44.29 27.16 8.29 32.64 9.54 371 236 Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2480.00 104.19 ------ ------ 91.81 27.20 8.28 32.64 9.54 371 236 Peak |
| Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_BE_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2483.52 45.70 54.00 -8.30 33.35 27.16 8.29 32.64 9.54 371 236 Average |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br>: RBW:1000.000kHz VBW:5.100kHz SWT:Auto<br>Freq Level Limit Line Margin 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 2480.00 102.70 ------ ------ 90.32 27.20 8.28 32.64 9.54 371 236 Average |

| Mode | 10 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| Peak<br>Avg |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL<br><br>Freq Level Limit Line Margin 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 4960.00 45.82 74.00 -28.18 33.74 32.82 11.71 33.54 1.09 -- -- Peak<br>2 7440.00 48.77 74.00 -25.23 32.38 37.22 14.20 36.13 1.10 -- -- Peak<br>3 7440.00 39.37 54.00 -14.63 22.98 37.22 14.20 36.13 1.10 -- -- Average |  <br><br>Site : 03CH22-HY<br>Condition: PEAK_74 3m DRH18-E_LE2C04A18EN_260520 VERTICAL<br><br>Freq Level Limit Line Margin 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 4960.00 45.27 74.00 -28.73 33.19 32.82 11.71 33.54 1.09 -- -- Peak<br>2 7440.00 49.98 74.00 -24.02 33.59 37.22 14.20 36.13 1.10 -- -- Peak<br>3 7440.00 40.16 54.00 -13.84 23.77 37.22 14.20 36.13 1.10 -- -- Average |

| Mode | 10 | |
|---|---|---|
| | Harmonic | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| 10.6G ~18G Avg |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 HORIZONTAL |  <br>Site : 03CH22-HY<br>Condition: AVG_54 3m DRH18-E_LE2C04A18EN_260520 VERTICAL |

| | | |
|---|---|---|
| Mode | 11 | |
| | LF | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| QP/ Peak |  |  |

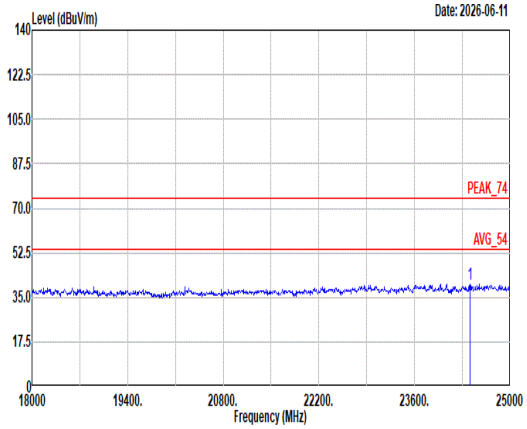
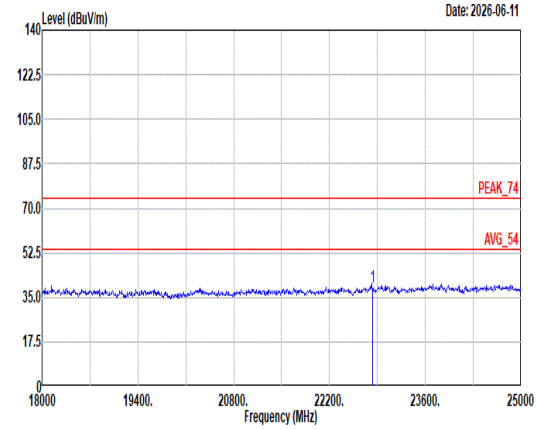


Site : 03CH22-HY
Condition: QP 3m Bilog_63304_251126 HORIZONTAL

| | Freq | Level | Limit Line | Margin | 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 | 87.23 | 23.81 | 40.00 | -16.19 | 40.51 | 14.30 | 1.50 | 32.56 | 0.06 | -- | -- | Peak |
| 2 | 92.08 | 29.17 | 43.50 | -14.33 | 45.33 | 14.77 | 1.55 | 32.54 | 0.06 | -- | -- | Peak |
| 3 | 216.24 | 21.57 | 46.00 | -24.43 | 36.72 | 14.86 | 2.41 | 32.49 | 0.07 | -- | -- | Peak |
| 4 | 318.09 | 28.52 | 46.00 | -17.48 | 38.67 | 19.35 | 2.95 | 32.53 | 0.08 | -- | -- | Peak |
| 5 | 745.86 | 39.41 | 46.00 | -6.59 | 39.26 | 27.98 | 4.50 | 32.51 | 0.18 | -- | -- | Peak |
| 6 | 943.74 | 32.78 | 46.00 | -13.22 | 28.54 | 30.21 | 5.08 | 31.28 | 0.23 | -- | -- | Peak |

Site : 03CH22-HY
Condition: QP 3m Bilog_63304_251126 VERTICAL

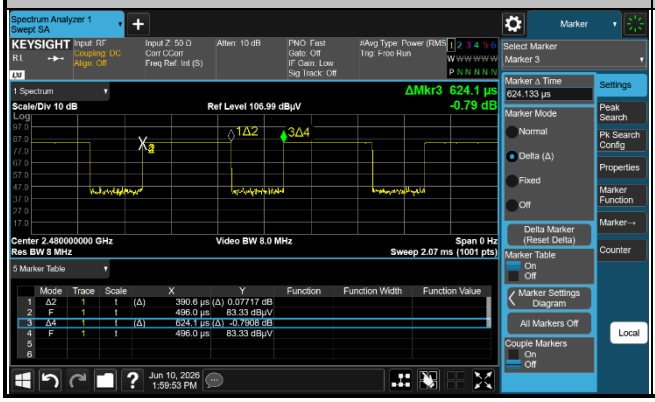
| | Freq | Level | Limit Line | Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | |
| 1 | 33.88 | 33.42 | 40.00 | -6.58 | 42.79 | 22.26 | 0.91 | 32.57 | 0.03 | -- | -- | Peak |
| 2 | 91.11 | 29.48 | 43.50 | -14.02 | 45.72 | 14.71 | 1.54 | 32.55 | 0.06 | -- | -- | Peak |
| 3 | 272.50 | 21.89 | 46.00 | -24.11 | 32.91 | 18.69 | 2.72 | 32.51 | 0.08 | -- | -- | Peak |
| 4 | 317.12 | 29.16 | 46.00 | -16.84 | 39.32 | 19.35 | 2.94 | 32.53 | 0.08 | -- | -- | Peak |
| 5 | 731.31 | 39.39 | 46.00 | -6.61 | 39.67 | 27.64 | 4.46 | 32.55 | 0.17 | -- | -- | Peak |
| 6 | 942.77 | 33.02 | 46.00 | -12.98 | 28.87 | 30.13 | 5.08 | 31.29 | 0.23 | -- | -- | Peak |

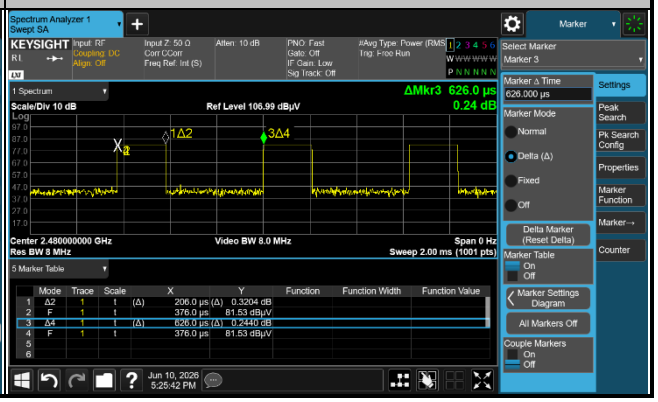
| | | |
|---|---|---|
| Mode | 27 | |
| | SHF | |
| | 2400-2483.5_Bluetooth-LE GSFK_CH39_2480MHz | |
| ANT | 6 | |
| Pol. | Horizontal | Vertical |
| Peak |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 1m BBHA9170_1225_250702 HORIZONTAL<br><br>Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark<br>MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg<br>1 24415.33 40.01 74.00 -33.99 45.17 39.33 26.30 61.25 -9.54 -- -- PEAK |  <br>Site : 03CH22-HY<br>Condition: PEAK_74 1m BBHA9170_1225_250702 VERTICAL<br><br>Freq Level Limit Line Margin 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 22825.16 39.18 74.00 -34.82 46.08 38.95 25.52 61.83 -9.54 -- -- PEAK |

# Appendix D. Duty Cycle Plots

| Band | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|---|---|---|---|---|
| Bluetooth - LE for 1Mbps | 62.59 | 391 | 2.56 | 2.7KHz |
| Bluetooth - LE for 2Mbps | 32.91 | 206 | 4.85 | 5.1KHz |

**Bluetooth - LE for 1Mbps**




**Bluetooth - LE for 2Mbps**