

## A7.Duty Cycle

Test Result

Antenna 0:

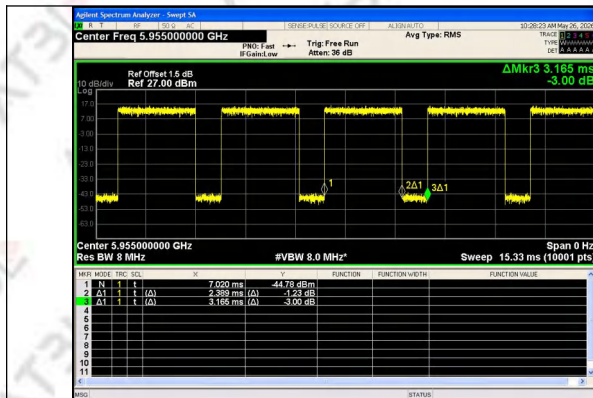
| Mode             | Data rates | Channel | Antenna | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) |
|------------------|------------|---------|---------|--------------|-------------|----------------|---------------------|------------------------|
| IEEE 802.11ax_20 | MCS 0      | 1       | 0       | 2.389        | 3.165       | 75.48          | 0.7548              | 1.2217                 |
|                  |            | 45      |         | 2.390        | 3.157       | 75.72          | 0.7572              | 1.2079                 |
|                  |            | 93      |         | 2.389        | 3.165       | 75.48          | 0.7548              | 1.2217                 |
|                  |            | 97      |         | 2.390        | 3.337       | 71.65          | 0.7165              | 1.4478                 |
|                  |            | 105     |         | 2.389        | 3.337       | 71.60          | 0.7160              | 1.4509                 |
|                  |            | 113     |         | 2.390        | 3.337       | 71.65          | 0.7165              | 1.4478                 |
|                  |            | 117     |         | 2.389        | 3.318       | 72.00          | 0.7200              | 1.4267                 |
|                  |            | 149     |         | 2.390        | 3.337       | 71.65          | 0.7165              | 1.4478                 |
|                  |            | 181     |         | 2.389        | 3.409       | 70.09          | 0.7009              | 1.5434                 |
|                  |            | 189     |         | 2.389        | 3.337       | 71.60          | 0.7160              | 1.4509                 |
|                  |            | 229     |         | 2.389        | 3.139       | 76.11          | 0.7611              | 1.1856                 |
|                  |            | 233     |         | 2.390        | 3.274       | 73.02          | 0.7302              | 1.3656                 |
| IEEE 802.11ax_40 |            | 3       |         | 2.389        | 3.166       | 75.45          | 0.7545              | 1.2234                 |
|                  |            | 43      |         | 2.389        | 3.103       | 76.98          | 0.7698              | 1.1362                 |
|                  |            | 91      |         | 2.390        | 3.166       | 75.50          | 0.7550              | 1.2205                 |
|                  |            | 99      |         | 2.390        | 3.266       | 73.19          | 0.7319              | 1.3555                 |
|                  |            | 107     |         | 2.390        | 3.410       | 70.10          | 0.7010              | 1.5428                 |
|                  |            | 115     |         | 2.389        | 3.364       | 71.01          | 0.7101              | 1.4868                 |
|                  |            | 123     |         | 2.390        | 3.338       | 71.61          | 0.7161              | 1.4503                 |
|                  |            | 147     |         | 2.389        | 3.337       | 71.60          | 0.7160              | 1.4509                 |
|                  |            | 179     |         | 2.390        | 3.338       | 71.61          | 0.7161              | 1.4503                 |
|                  |            | 187     |         | 2.389        | 3.157       | 75.67          | 0.7567              | 1.2108                 |
|                  |            | 195     |         | 2.389        | 3.166       | 75.45          | 0.7545              | 1.2234                 |
|                  |            | 203     |         | 2.390        | 3.159       | 75.68          | 0.7568              | 1.2102                 |
| 227              |            | 2.389   |         | 3.157        | 75.67       | 0.7567         | 1.2108              |                        |
| IEEE 802.11ax_80 |            | 7       |         | 1.172        | 1.949       | 60.13          | 0.6013              | 2.2091                 |
|                  |            | 39      |         | 1.172        | 1.940       | 60.41          | 0.6041              | 2.1889                 |
|                  |            | 87      |         | 1.171        | 2.120       | 55.24          | 0.5524              | 2.5775                 |
|                  |            | 103     |         | 1.172        | 2.120       | 55.28          | 0.5528              | 2.5743                 |
|                  |            | 119     |         | 1.172        | 1.949       | 60.13          | 0.6013              | 2.2091                 |
|                  |            | 135     |         | 1.171        | 2.102       | 55.71          | 0.5571              | 2.5407                 |
|                  |            | 151     |         | 1.172        | 2.048       | 57.23          | 0.5723              | 2.4238                 |
|                  |            | 167     |         | 1.171        | 2.111       | 55.47          | 0.5547              | 2.5594                 |
|                  |            | 183     |         | 1.172        | 2.048       | 57.23          | 0.5723              | 2.4238                 |
|                  |            | 199     |         | 1.172        | 1.824       | 64.25          | 0.6425              | 1.9213                 |
|                  |            | 215     |         | 1.172        | 1.949       | 60.13          | 0.6013              | 2.2091                 |

## Antenna 1:

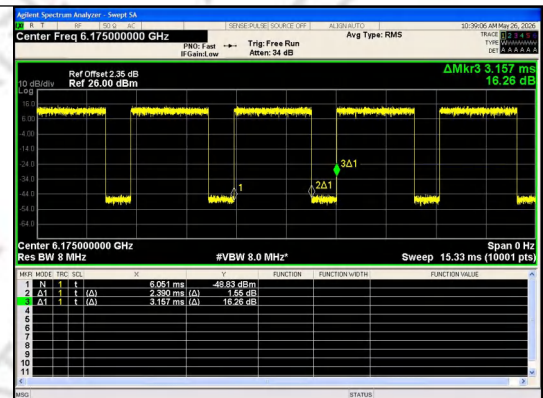
| Mode             | Data rates | Channel | RU & Index | Antenna | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) |
|------------------|------------|---------|------------|---------|--------------|-------------|----------------|---------------------|------------------------|
| IEEE 802.11ax_20 | MCS 0      | 1       | SU         | 1       | 2.389        | 3.165       | 75.48          | 0.7548              | 1.2217                 |
|                  |            | 45      |            |         | 2.389        | 3.165       | 75.48          | 0.7548              | 1.2217                 |
|                  |            | 93      |            |         | 2.389        | 3.166       | 75.45          | 0.7545              | 1.2234                 |
|                  |            | 97      |            |         | 2.389        | 3.157       | 75.67          | 0.7567              | 1.2108                 |
|                  |            | 105     |            |         | 2.389        | 3.165       | 75.48          | 0.7548              | 1.2217                 |
|                  |            | 113     |            |         | 2.389        | 3.165       | 75.48          | 0.7548              | 1.2217                 |
|                  |            | 117     |            |         | 2.389        | 3.166       | 75.45          | 0.7545              | 1.2234                 |
|                  |            | 149     |            |         | 2.390        | 3.166       | 75.50          | 0.7550              | 1.2205                 |
|                  |            | 181     |            |         | 2.389        | 3.166       | 75.45          | 0.7545              | 1.2234                 |
|                  |            | 189     |            |         | 2.390        | 3.320       | 72.01          | 0.7201              | 1.4261                 |
|                  |            | 229     |            |         | 2.390        | 3.166       | 75.50          | 0.7550              | 1.2205                 |
|                  |            | 233     |            |         | 2.389        | 3.337       | 71.60          | 0.7160              | 1.4509                 |
| IEEE 802.11ax_40 |            | 3       |            |         | 2.389        | 3.157       | 75.67          | 0.7567              | 1.2108                 |
|                  |            | 43      |            |         | 2.390        | 3.159       | 75.68          | 0.7568              | 1.2102                 |
|                  |            | 91      |            |         | 2.389        | 3.130       | 76.34          | 0.7634              | 1.1725                 |
|                  |            | 99      |            |         | 2.389        | 3.166       | 75.45          | 0.7545              | 1.2234                 |
|                  |            | 107     |            |         | 2.390        | 3.166       | 75.50          | 0.7550              | 1.2205                 |
|                  |            | 115     |            |         | 2.389        | 3.166       | 75.45          | 0.7545              | 1.2234                 |
|                  |            | 123     |            |         | 2.390        | 3.157       | 75.72          | 0.7572              | 1.2079                 |
|                  |            | 147     |            |         | 2.389        | 3.166       | 75.45          | 0.7545              | 1.2234                 |
|                  |            | 179     |            |         | 2.390        | 3.166       | 75.50          | 0.7550              | 1.2205                 |
|                  |            | 187     |            |         | 2.390        | 3.168       | 75.46          | 0.7546              | 1.2228                 |
|                  |            | 195     |            |         | 2.390        | 3.338       | 71.61          | 0.7161              | 1.4503                 |
|                  |            | 203     |            |         | 2.389        | 3.337       | 71.60          | 0.7160              | 1.4509                 |
| 227              |            | 2.389   |            |         | 3.337        | 71.60       | 0.7160         | 1.4509              |                        |
| IEEE 802.11ax_80 |            | 7       |            |         | 1.172        | 1.949       | 60.13          | 0.6013              | 2.2091                 |
|                  |            | 39      |            |         | 1.172        | 1.949       | 60.13          | 0.6013              | 2.2091                 |
|                  |            | 87      |            |         | 1.172        | 1.949       | 60.13          | 0.6013              | 2.2091                 |
|                  |            | 103     |            |         | 1.172        | 1.949       | 60.13          | 0.6013              | 2.2091                 |
|                  |            | 119     |            |         | 1.172        | 1.949       | 60.13          | 0.6013              | 2.2091                 |
|                  |            | 135     |            |         | 1.172        | 1.949       | 60.13          | 0.6013              | 2.2091                 |
|                  |            | 151     |            |         | 1.172        | 2.120       | 55.28          | 0.5528              | 2.5743                 |
|                  |            | 167     |            |         | 1.172        | 2.120       | 55.28          | 0.5528              | 2.5743                 |
|                  |            | 183     |            |         | 1.172        | 1.931       | 60.69          | 0.6069              | 2.1688                 |
|                  |            | 199     |            |         | 1.172        | 2.120       | 55.28          | 0.5528              | 2.5743                 |
|                  |            | 215     |            |         | 1.171        | 2.084       | 56.19          | 0.5619              | 2.5034                 |

## Test Graphs

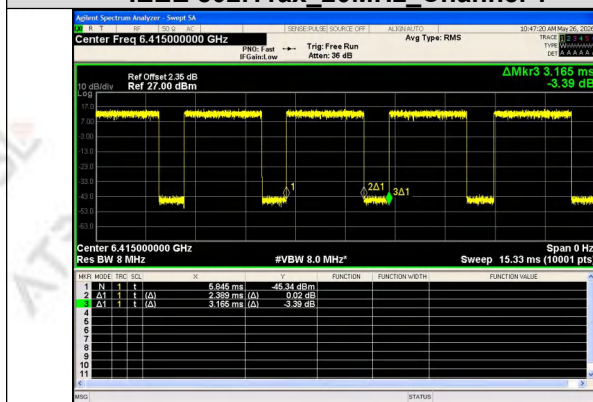
## Antenna 0:



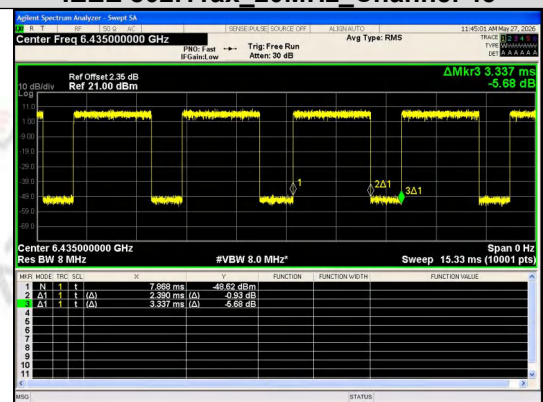
IEEE 802.11ax 20MHz Channel 1



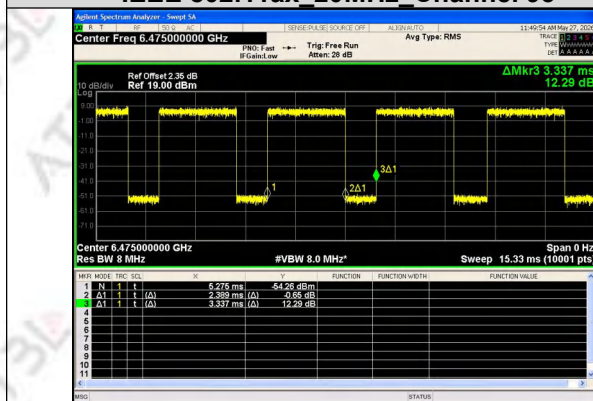
IEEE 802.11ax 20MHz Channel 45



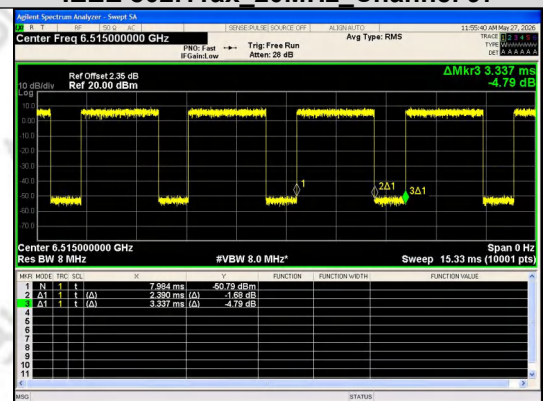
IEEE 802.11ax 20MHz Channel 93



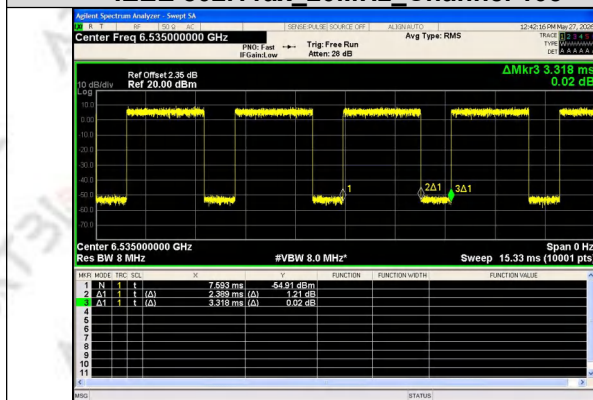
IEEE 802.11ax 20MHz Channel 97



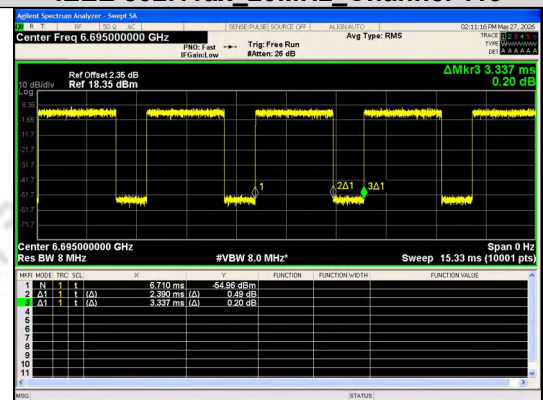
IEEE 802.11ax 20MHz Channel 105



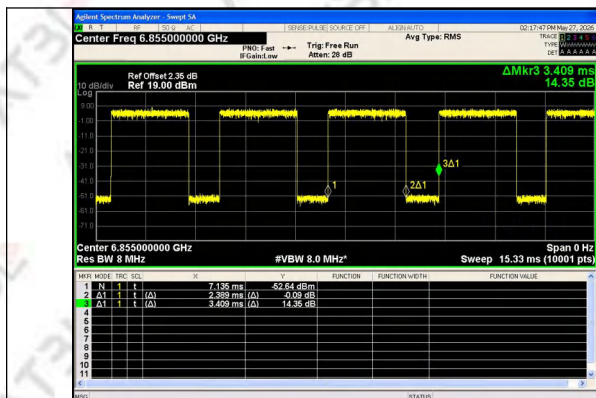
IEEE 802.11ax 20MHz Channel 113



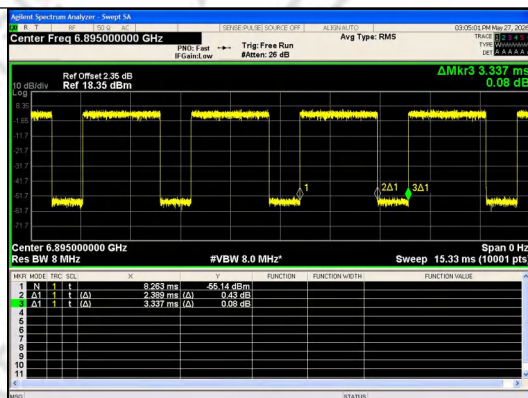
IEEE 802.11ax 20MHz Channel 117



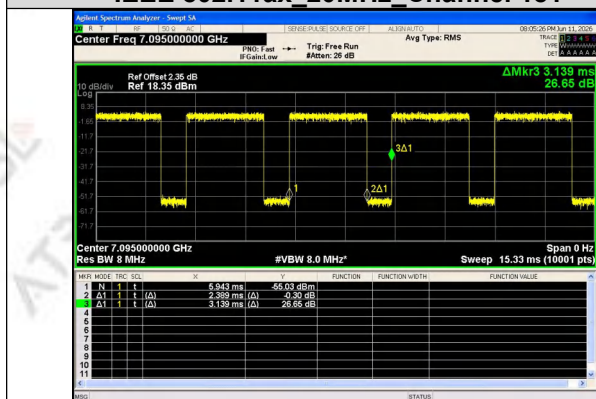
IEEE 802.11ax 20MHz Channel 149



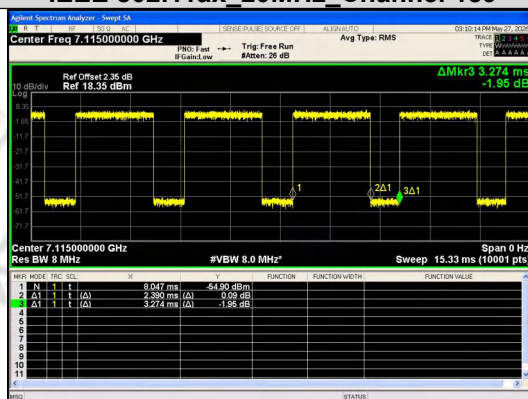
IEEE 802.11ax 20MHz Channel 181



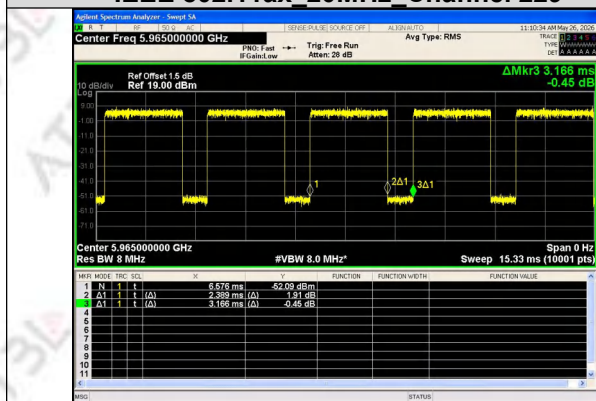
IEEE 802.11ax 20MHz Channel 189



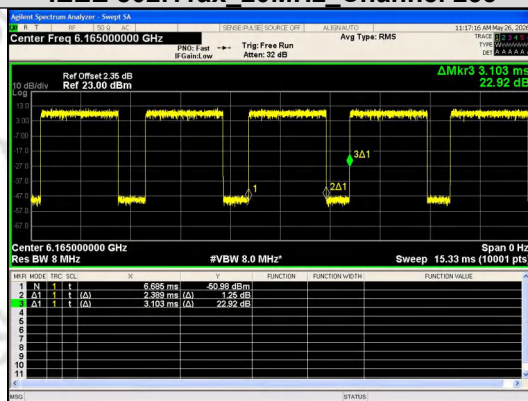
IEEE 802.11ax 20MHz Channel 229



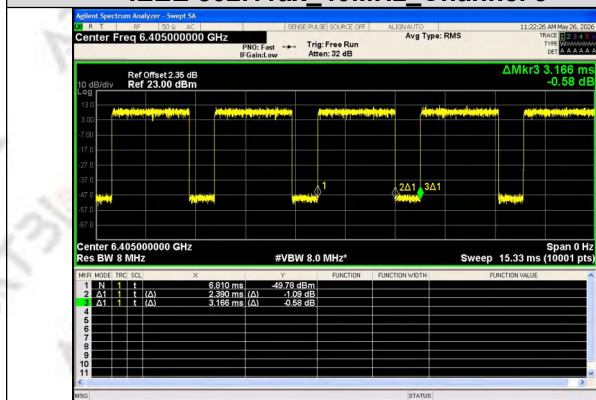
IEEE 802.11ax 20MHz Channel 233



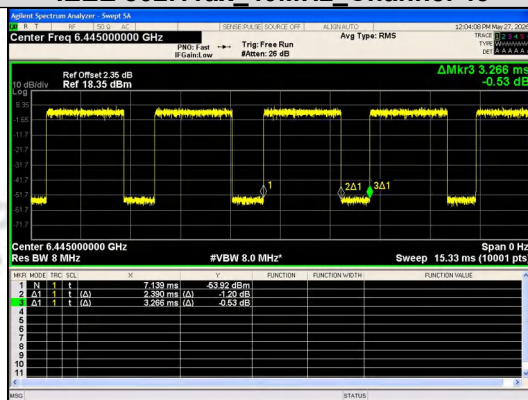
IEEE 802.11ax 40MHz Channel 3



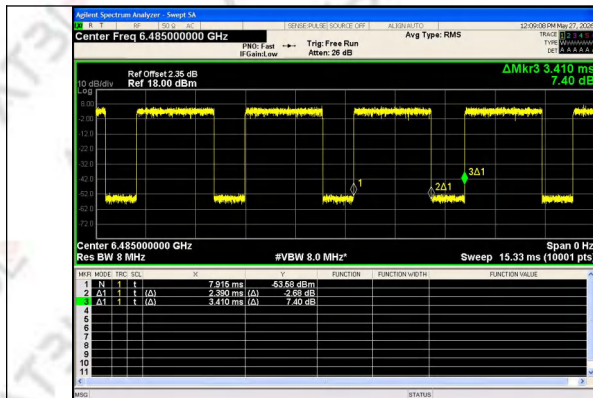
IEEE 802.11ax 40MHz Channel 43



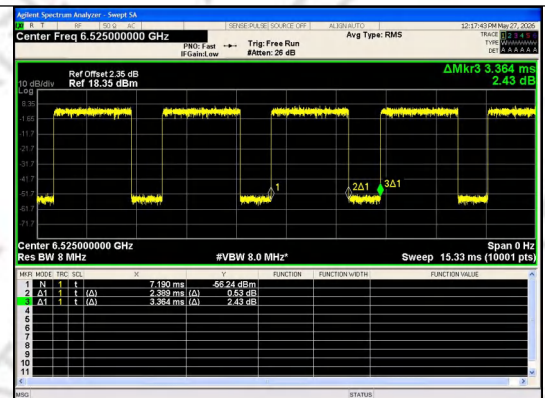
IEEE 802.11ax 40MHz Channel 91



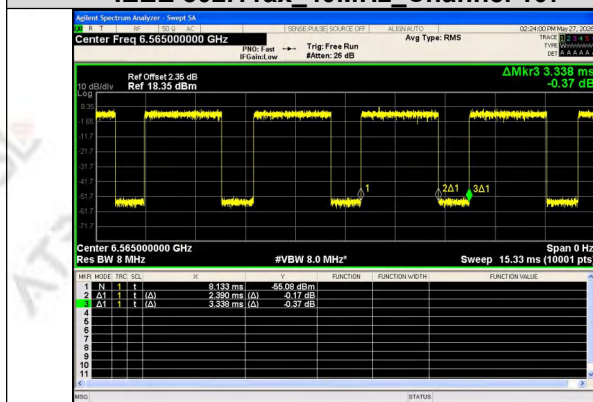
IEEE 802.11ax 40MHz Channel 99



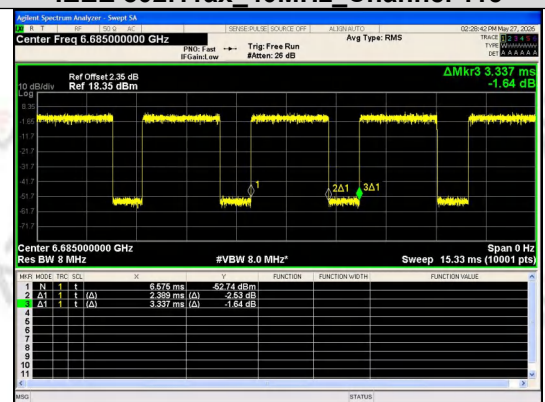
IEEE 802.11ax 40MHz Channel 107

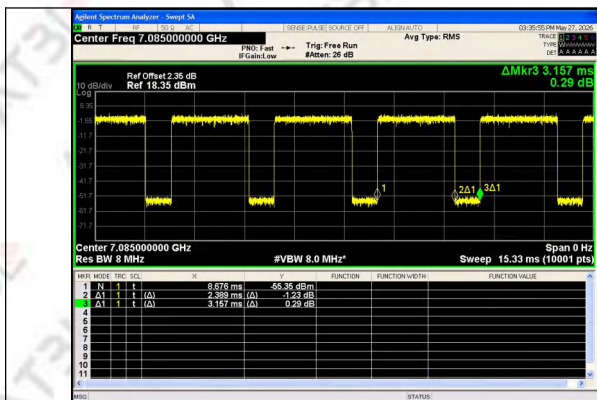


IEEE 802.11ax 40MHz Channel 115

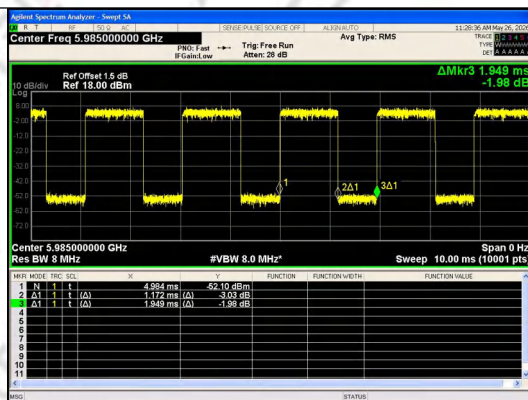


IEEE 802.11ax 40MHz Channel 123

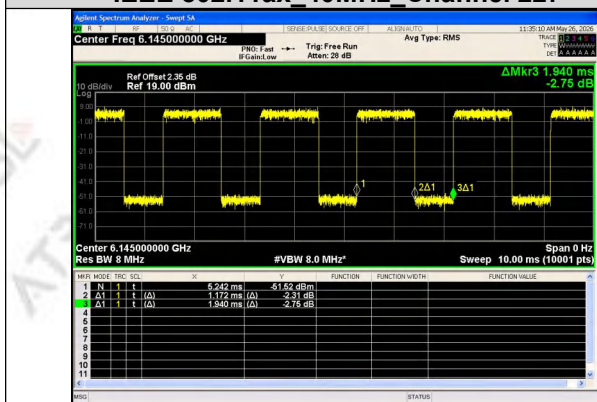




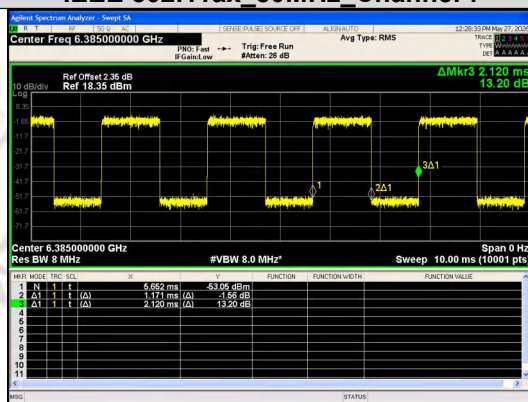
IEEE 802.11ax\_40MHz\_Channel 227



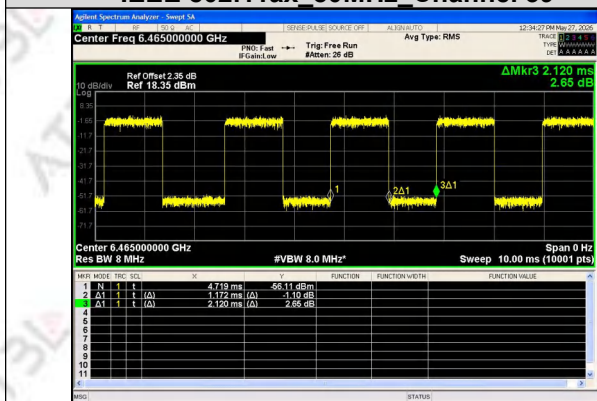
IEEE 802.11ax\_80MHz\_Channel 7



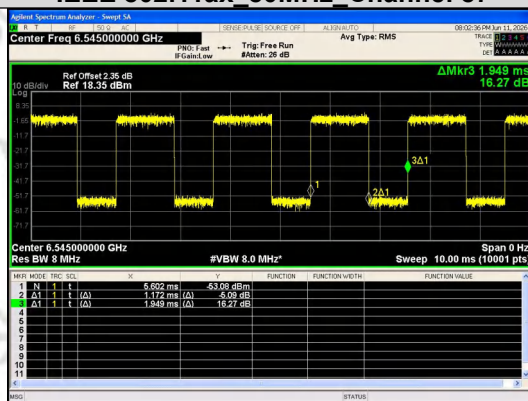
IEEE 802.11ax\_80MHz\_Channel 39



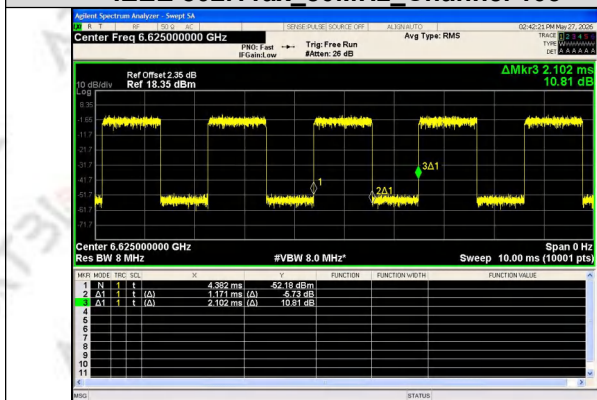
IEEE 802.11ax\_80MHz\_Channel 87



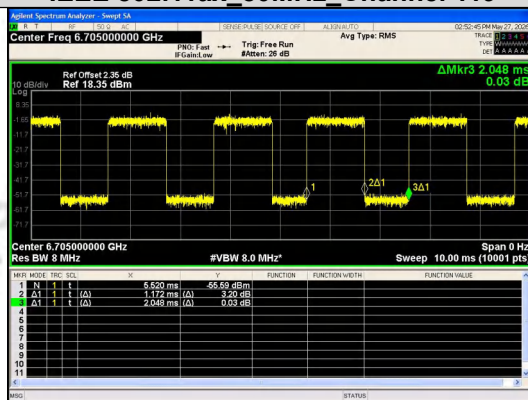
IEEE 802.11ax\_80MHz\_Channel 103



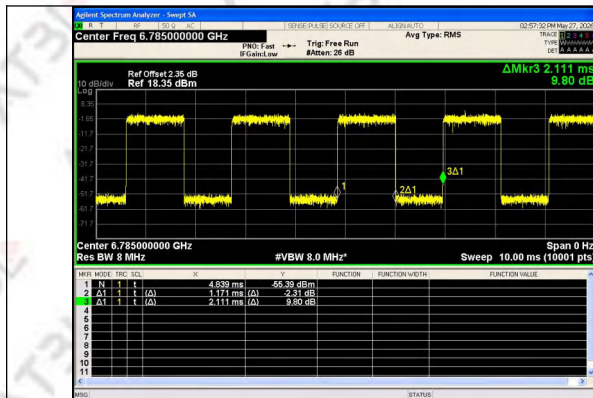
IEEE 802.11ax\_80MHz\_Channel 119



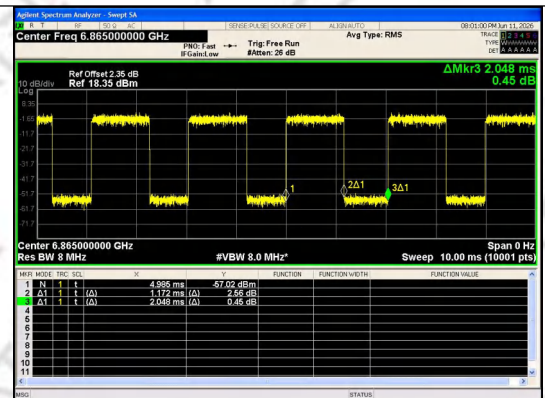
IEEE 802.11ax\_80MHz\_Channel 135



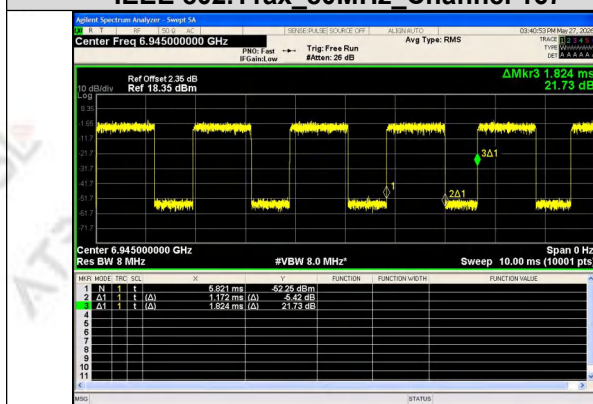
IEEE 802.11ax\_80MHz\_Channel 151



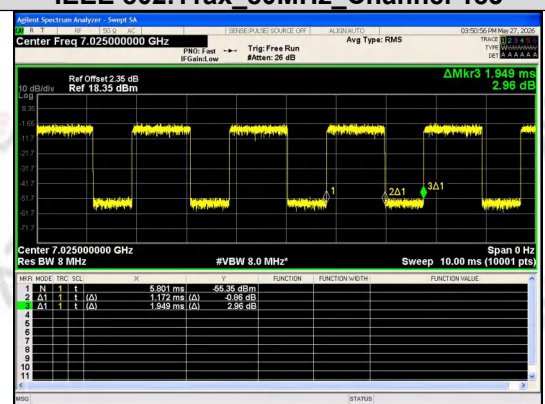
IEEE 802.11ax\_80MHz\_Channel 167



IEEE 802.11ax\_80MHz\_Channel 183

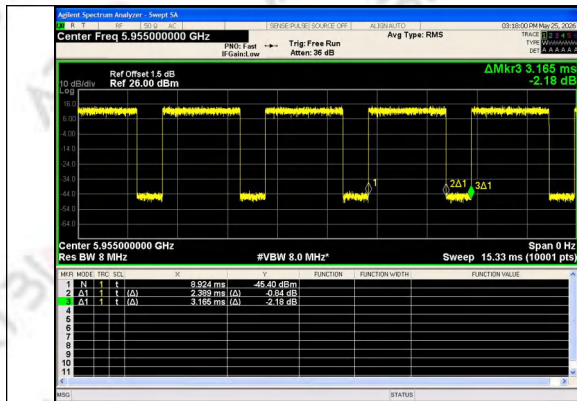


IEEE 802.11ax\_80MHz\_Channel 199



IEEE 802.11ax\_80MHz\_Channel 215

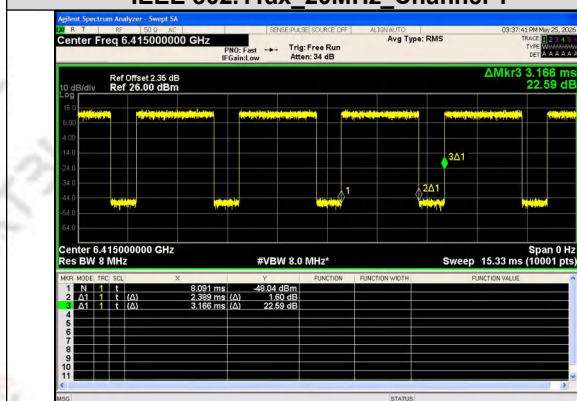
Antenna 1:



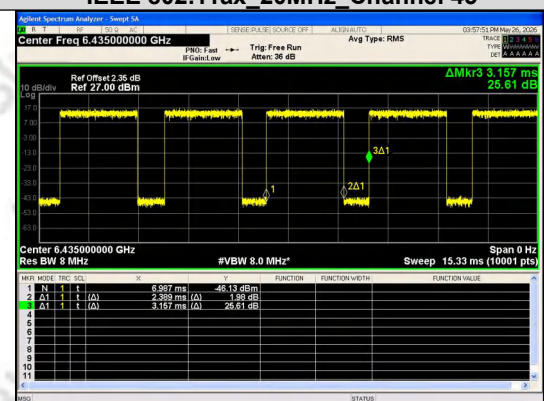
IEEE 802.11ax\_20MHz\_Channel 1



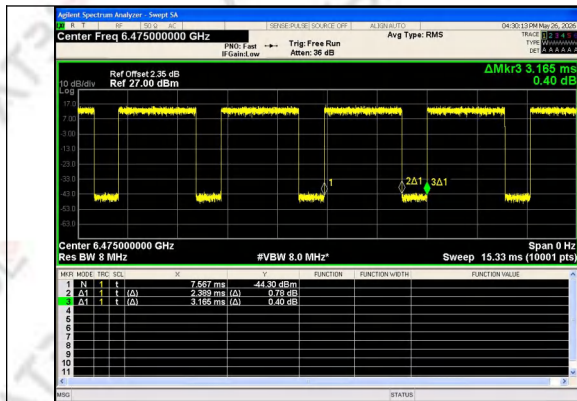
IEEE 802.11ax\_20MHz\_Channel 45



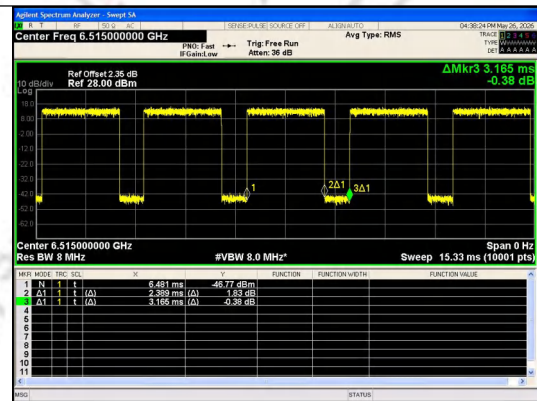
IEEE 802.11ax\_20MHz\_Channel 93



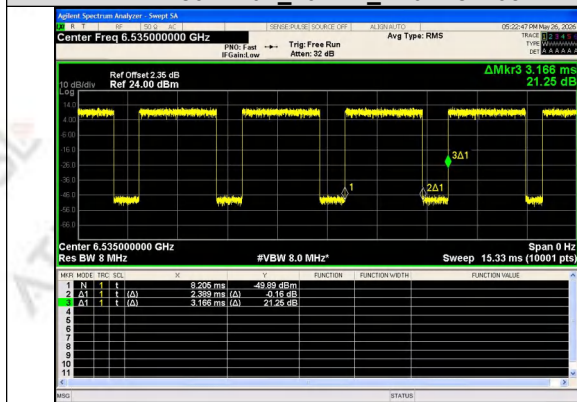
IEEE 802.11ax\_20MHz\_Channel 97



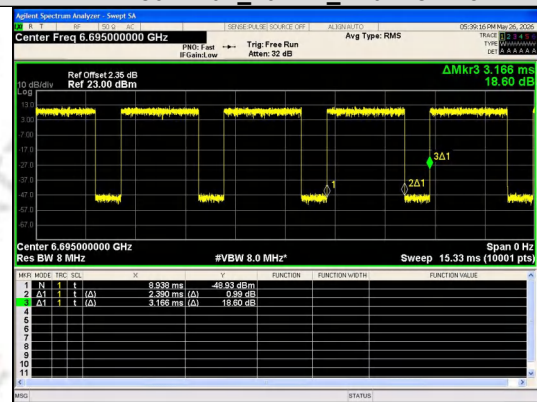
IEEE 802.11ax\_20MHz\_Channel 105



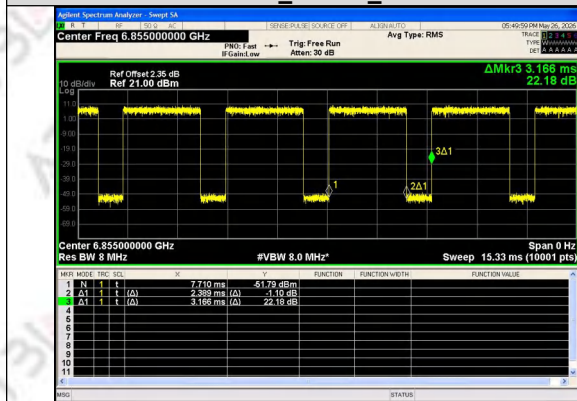
IEEE 802.11ax\_20MHz\_Channel 113



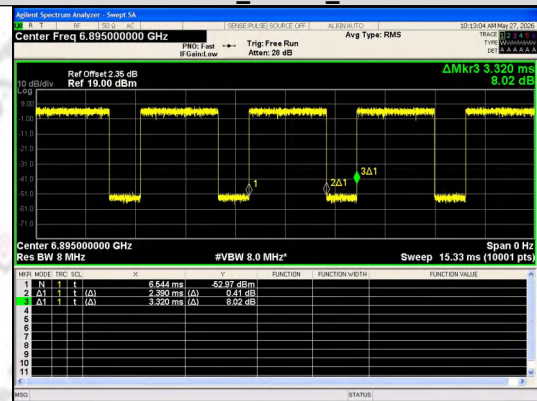
IEEE 802.11ax\_20MHz\_Channel 117



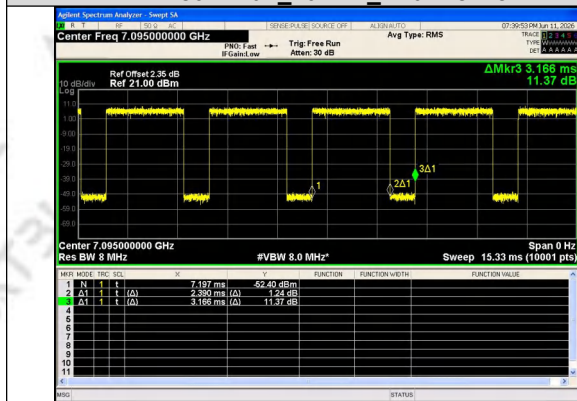
IEEE 802.11ax\_20MHz\_Channel 149



IEEE 802.11ax\_20MHz\_Channel 181



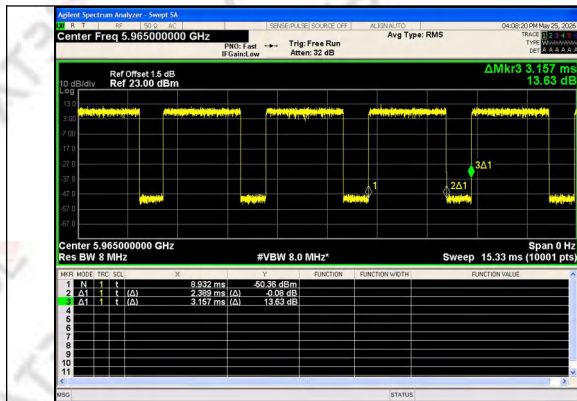
IEEE 802.11ax\_20MHz\_Channel 199



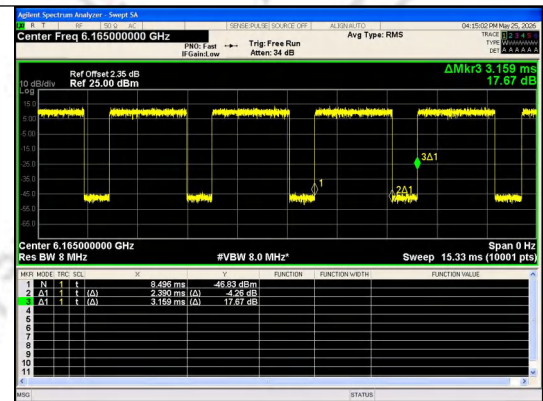
IEEE 802.11ax\_20MHz\_Channel 229



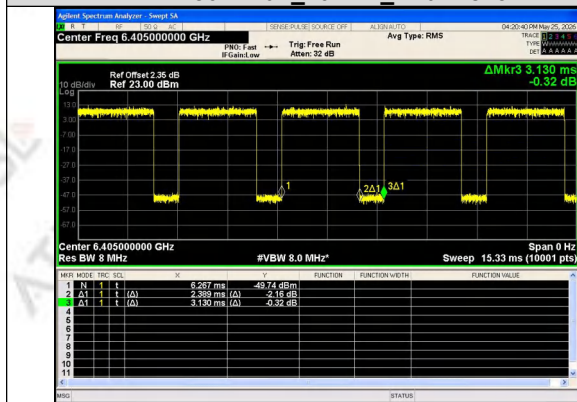
IEEE 802.11ax\_20MHz\_Channel 233



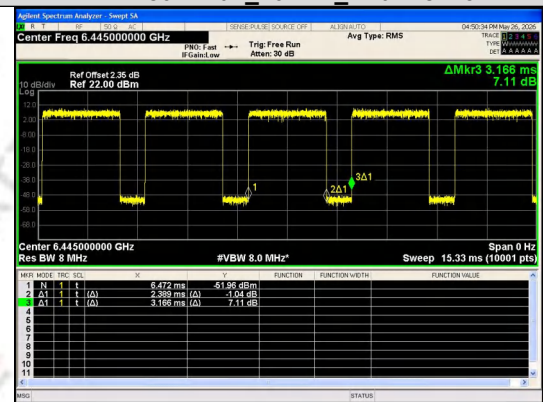
IEEE 802.11ax\_40MHz\_Channel 3



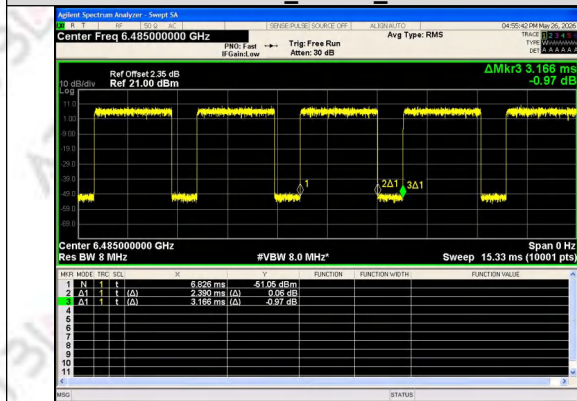
IEEE 802.11ax\_40MHz\_Channel 43



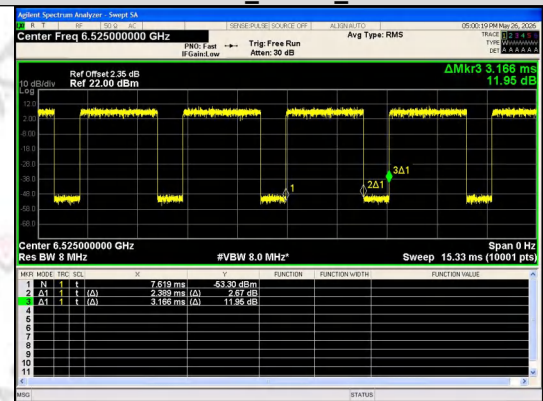
IEEE 802.11ax\_40MHz\_Channel 91



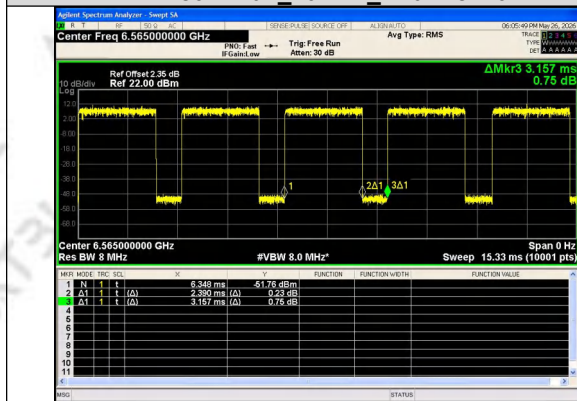
IEEE 802.11ax\_40MHz\_Channel 99



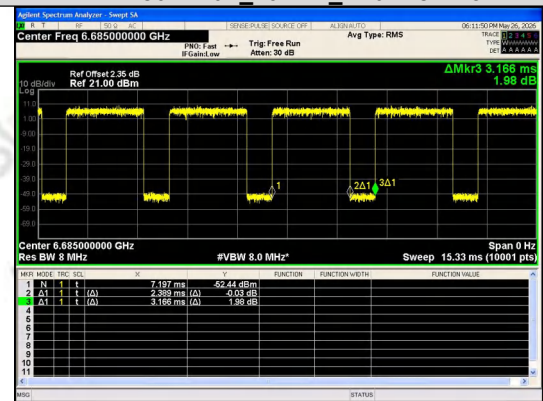
IEEE 802.11ax\_40MHz\_Channel 107



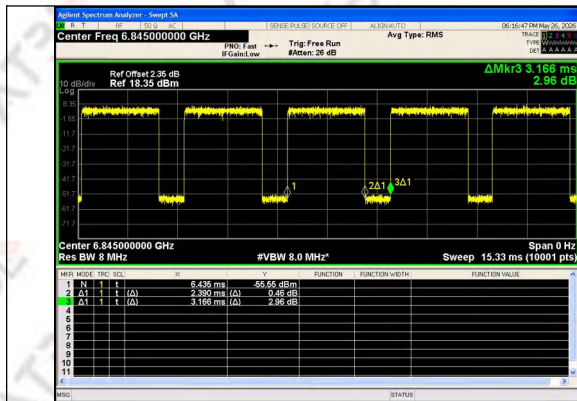
IEEE 802.11ax\_40MHz\_Channel 115



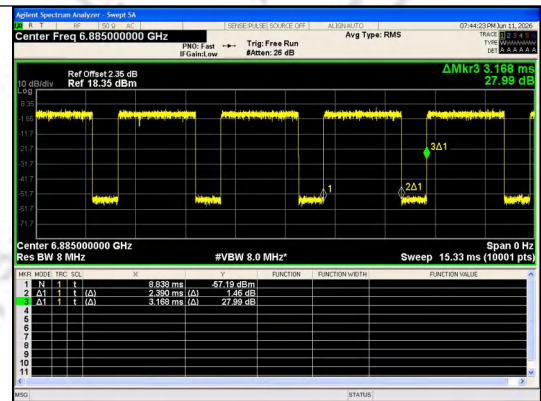
IEEE 802.11ax\_40MHz\_Channel 123



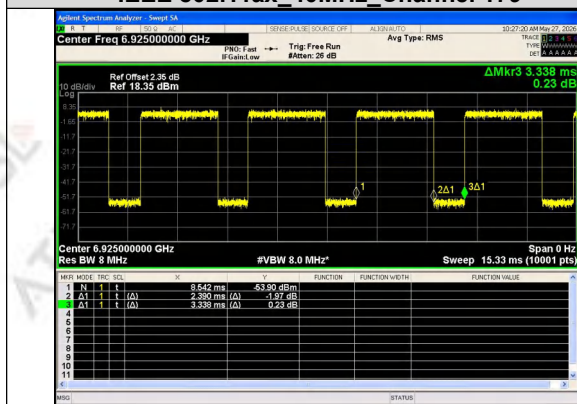
IEEE 802.11ax\_40MHz\_Channel 147



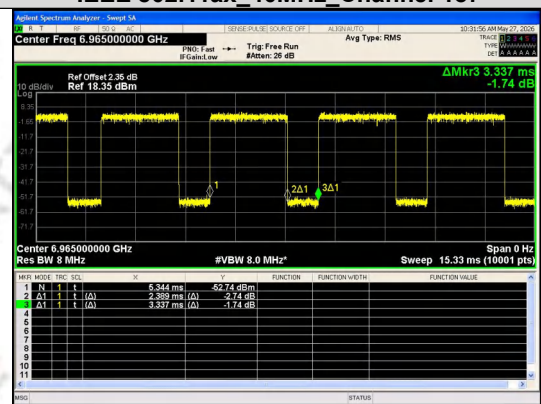
IEEE 802.11ax\_40MHz\_Channel 179



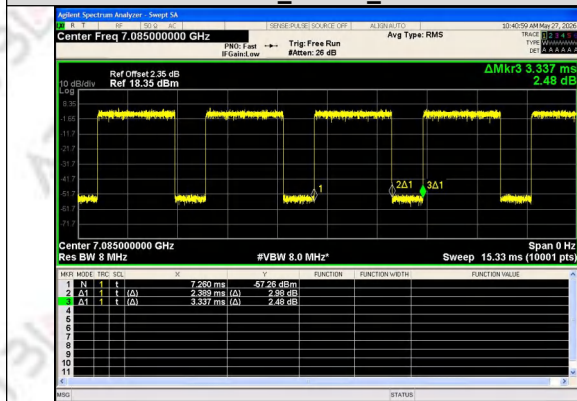
IEEE 802.11ax\_40MHz\_Channel 187



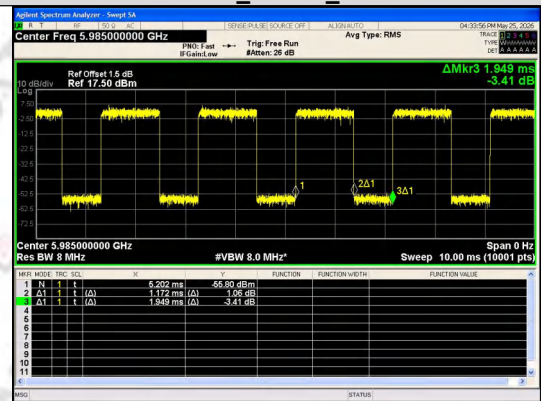
IEEE 802.11ax\_40MHz\_Channel 195



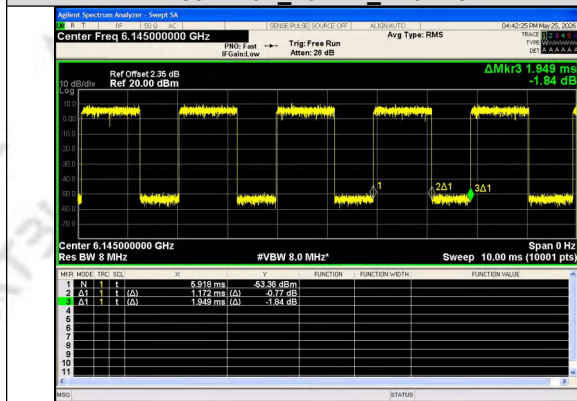
IEEE 802.11ax\_40MHz\_Channel 203



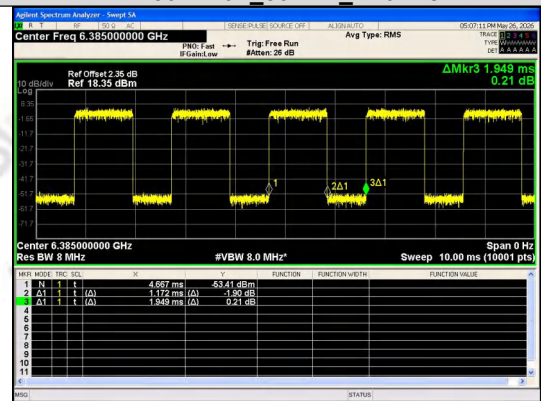
IEEE 802.11ax\_40MHz\_Channel 227



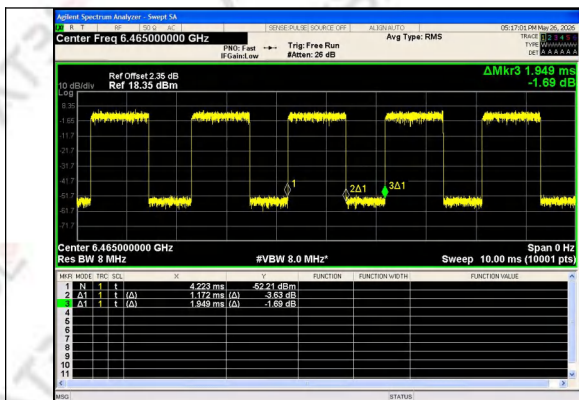
IEEE 802.11ax\_80MHz\_Channel 7



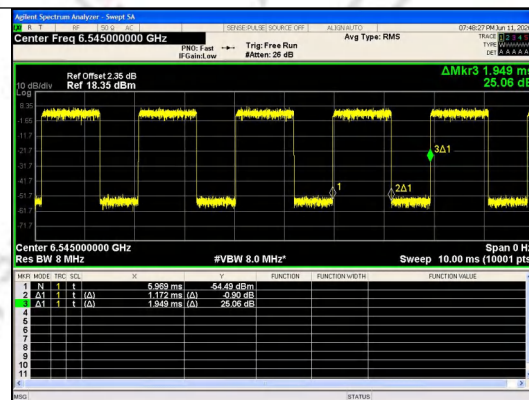
IEEE 802.11ax\_80MHz\_Channel 39



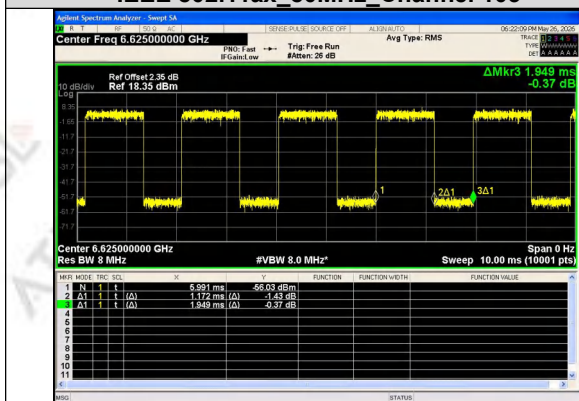
IEEE 802.11ax\_80MHz\_Channel 87



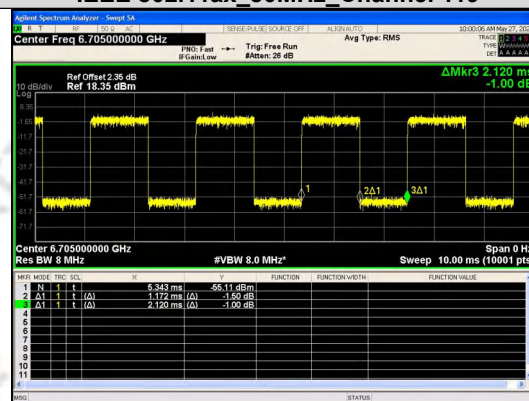
IEEE 802.11ax\_80MHz\_Channel 103



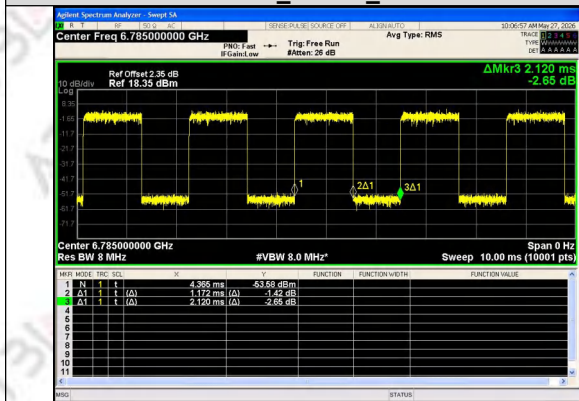
IEEE 802.11ax\_80MHz\_Channel 119



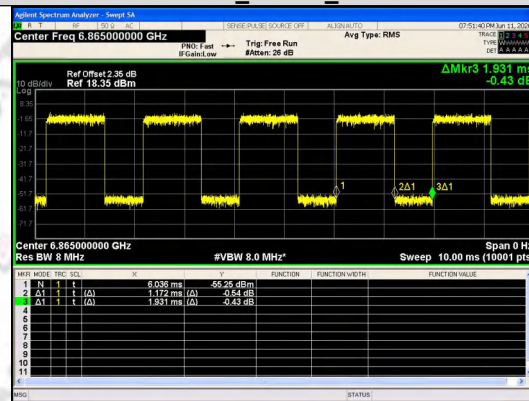
IEEE 802.11ax\_80MHz\_Channel 135



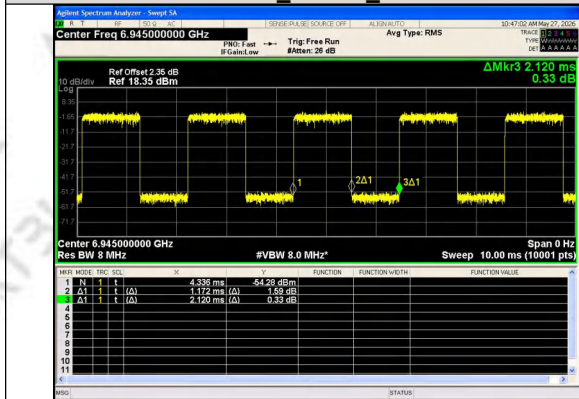
IEEE 802.11ax\_80MHz\_Channel 151



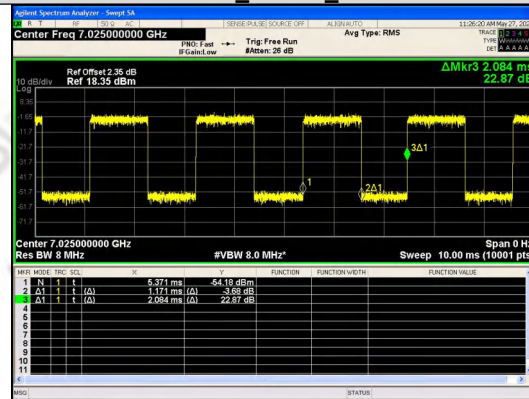
IEEE 802.11ax\_80MHz\_Channel 167



IEEE 802.11ax\_80MHz\_Channel 183



IEEE 802.11ax\_80MHz\_Channel 199



IEEE 802.11ax\_80MHz\_Channel 215

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