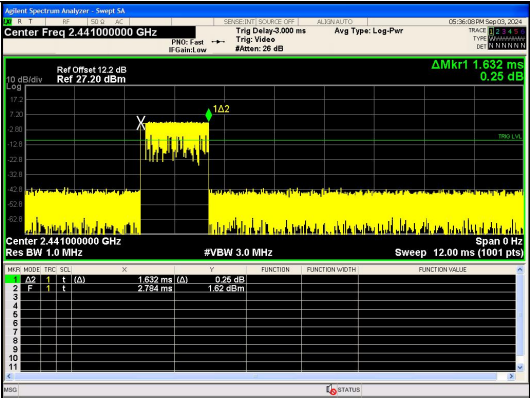
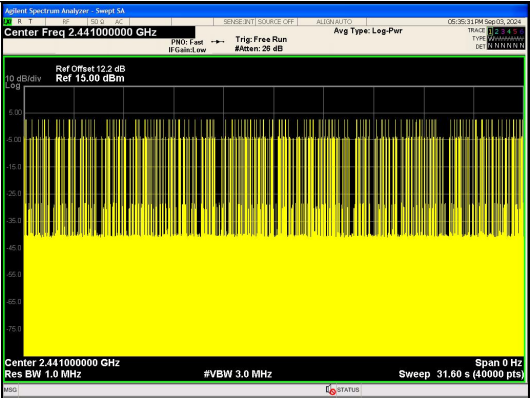
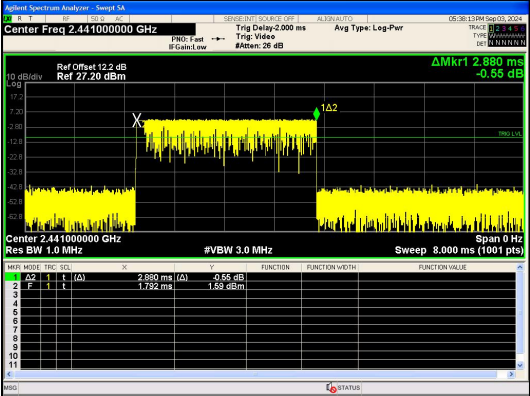




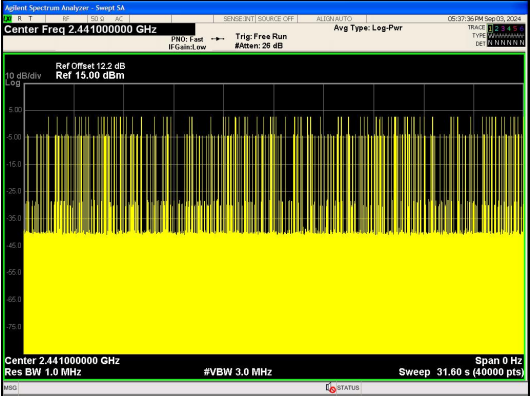
Pulse Width  
8DPSK\_3-DH3



Number of Pulses in 31.6 seconds  
8DPSK\_3-DH3



Pulse Width  
8DPSK\_3-DH5



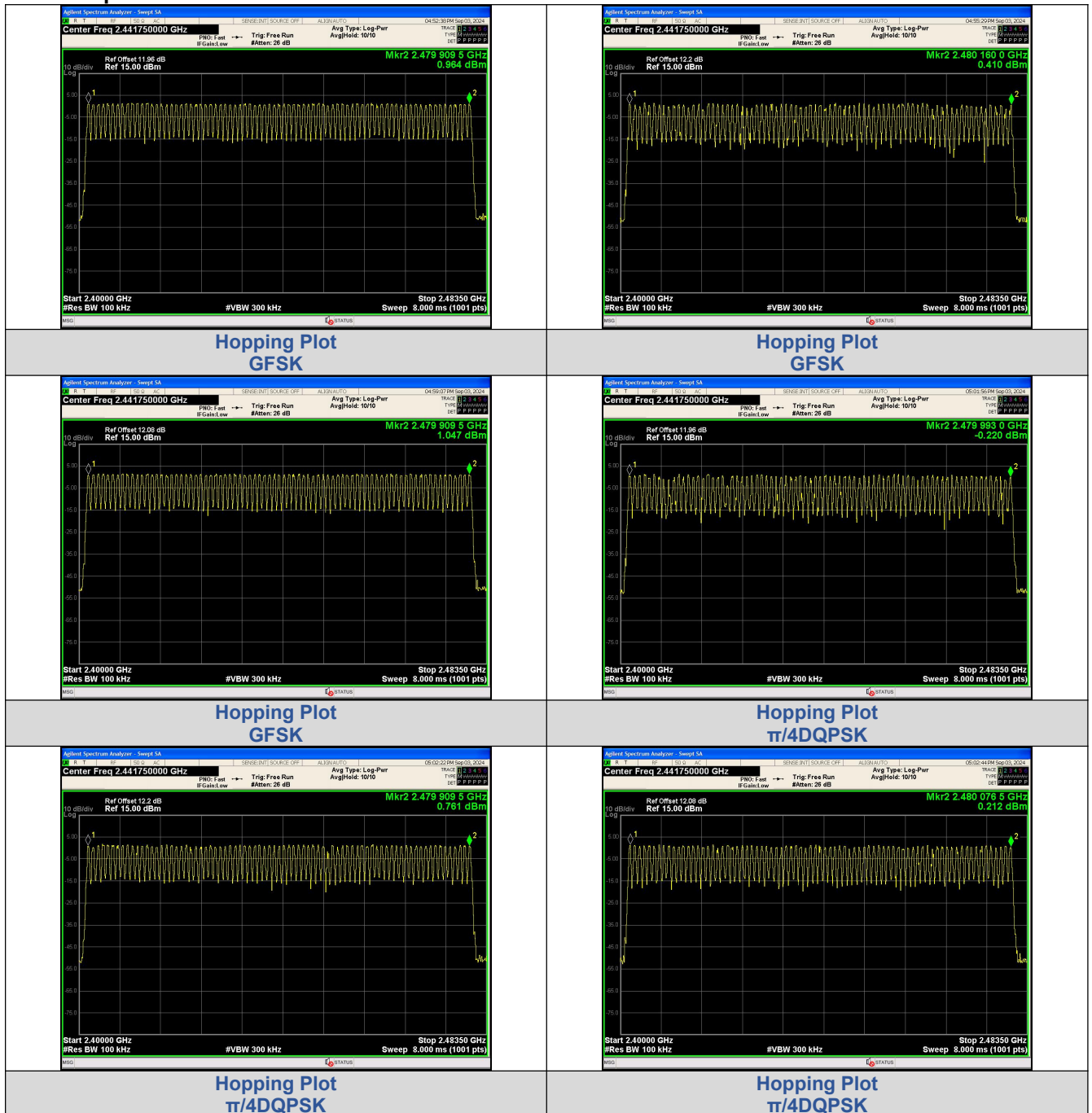
Number of Pulses in 31.6 seconds  
8DPSK\_3-DH5

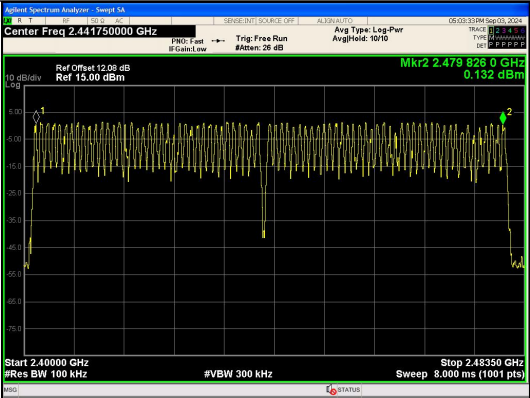
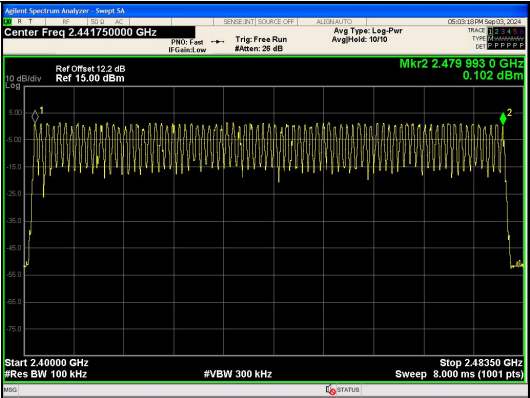
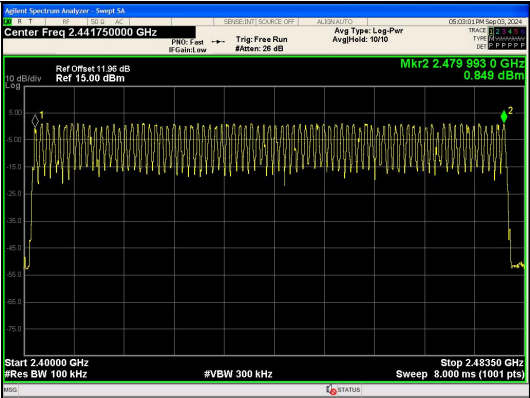
## APPENDIX III. Number Of Hopping Channel

### Test Result

| Modulation    | Packet | Number of Hopping Channel | Limit | Result |
|---------------|--------|---------------------------|-------|--------|
| GFSK          | DH5    | 79                        | 15    | PASS   |
| GFSK          | DH5    | 79                        | 15    | PASS   |
| GFSK          | DH5    | 79                        | 15    | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 79                        | 15    | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 79                        | 15    | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 79                        | 15    | PASS   |
| 8DPSK         | 3-DH5  | 79                        | 15    | PASS   |
| 8DPSK         | 3-DH5  | 79                        | 15    | PASS   |
| 8DPSK         | 3-DH5  | 79                        | 15    | PASS   |

### Test Graphs





**APPENDIX IV. Conducted Peak Output Power****Test Result**

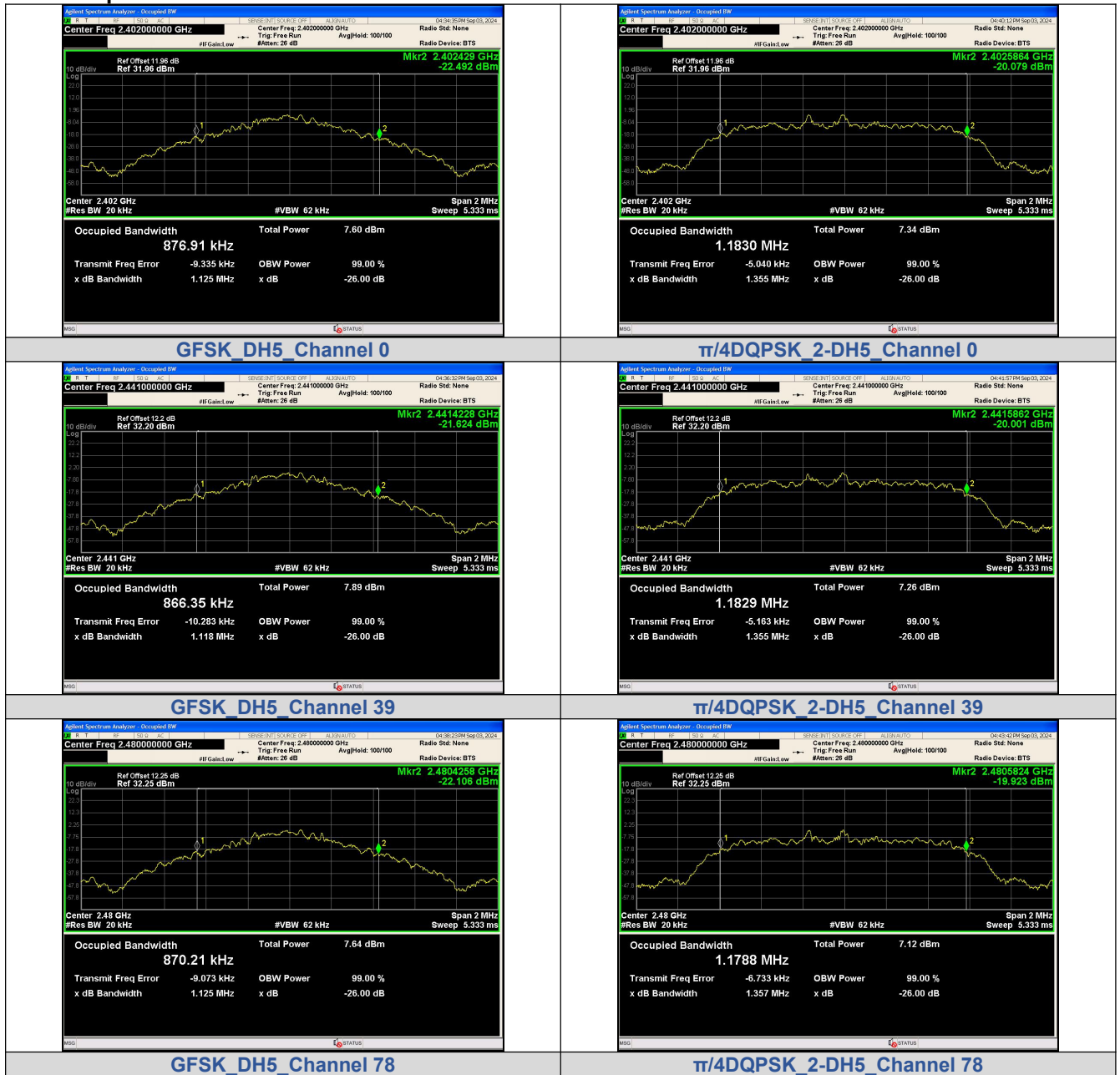
| Modulation | Packet Type | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Max. Avg. Power (dBm) | Limit (dBm) | Result |
|------------|-------------|---------|-------------------------|------------------------|-----------------------|-------------|--------|
| GFSK       | DH5         | 0       | 1.586                   | 1.441                  | None                  | ≤30         | PASS   |
|            |             | 39      | 1.627                   | 1.454                  | None                  |             | PASS   |
|            |             | 78      | 1.449                   | 1.396                  | None                  |             | PASS   |
| π/4DQPSK   | 2-DH5       | 0       | 2.458                   | 1.761                  | None                  | ≤20.97      | PASS   |
|            |             | 39      | 2.492                   | 1.775                  | None                  |             | PASS   |
|            |             | 78      | 2.307                   | 1.701                  | None                  |             | PASS   |
| 8DPSK      | 3-DH5       | 0       | 2.942                   | 1.969                  | None                  |             | PASS   |
|            |             | 39      | 2.981                   | 1.987                  | None                  |             | PASS   |
|            |             | 78      | 2.811                   | 1.910                  | None                  |             | PASS   |

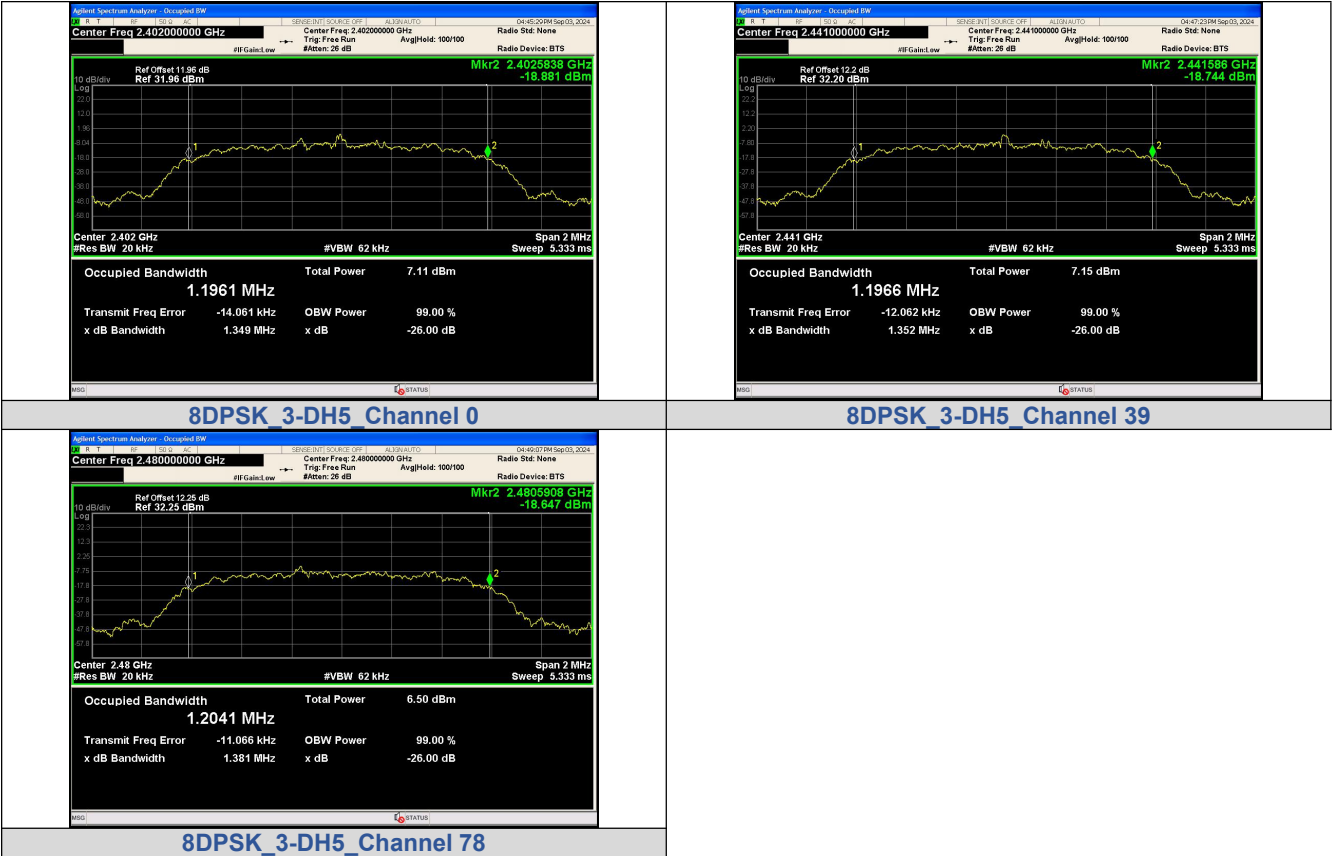
## APPENDIX V.99% Bandwidth

### Test Result

| Modulation    | Channel | Center Frequency (MHz) | 99% BW (MHz) |
|---------------|---------|------------------------|--------------|
| GFSK          | 0       | 2402                   | 0.87691      |
|               | 39      | 2441                   | 0.86635      |
|               | 78      | 2480                   | 0.87021      |
| $\pi/4$ DQPSK | 0       | 2402                   | 1.1830       |
|               | 39      | 2441                   | 1.1829       |
|               | 78      | 2480                   | 1.1788       |
| 8DPSK         | 0       | 2402                   | 1.1961       |
|               | 39      | 2441                   | 1.1966       |
|               | 78      | 2480                   | 1.2041       |

### Test Graphs



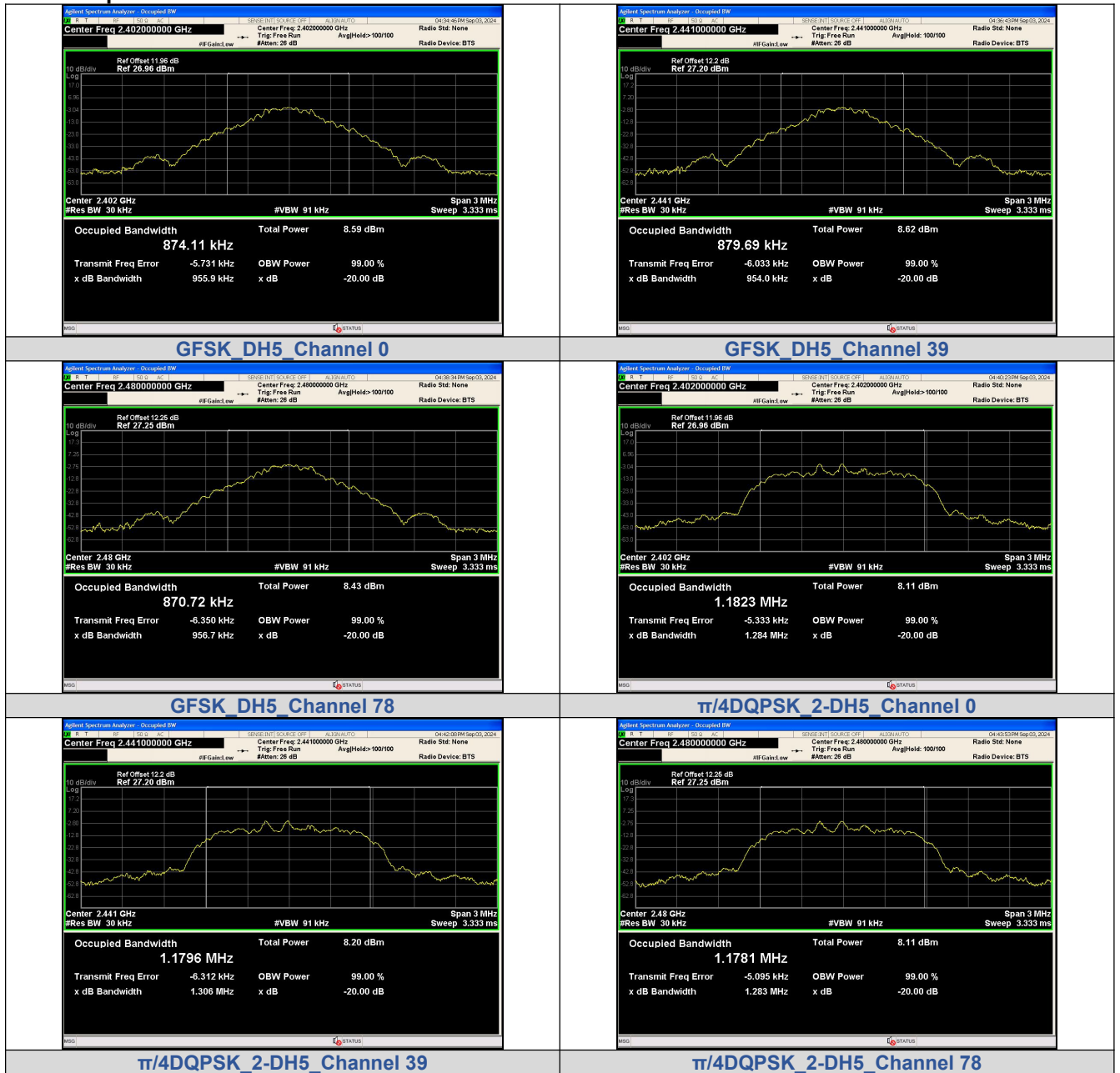


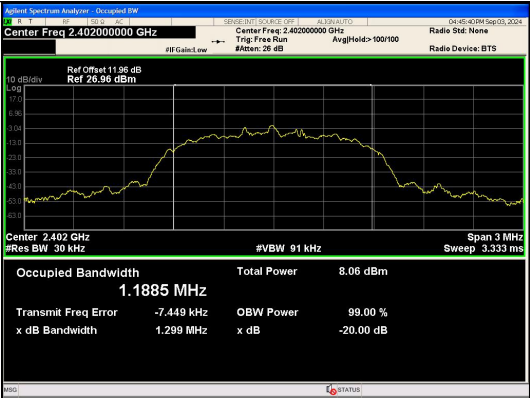
## APPENDIX VI.20dB Bandwidth

### Test Result

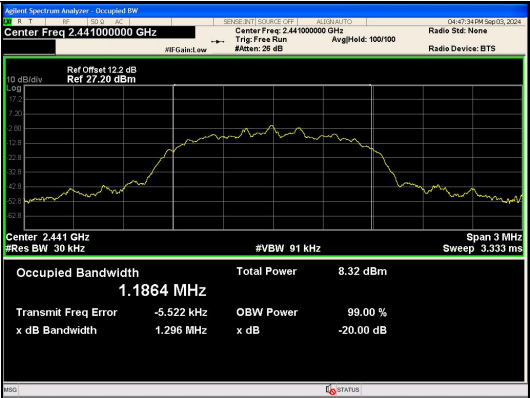
| Modulation    | Channel | Center Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------------|---------|------------------------|-----------------------|
| GFSK          | 0       | 2402 MHz               | 0.9559                |
|               | 39      | 2441 MHz               | 0.9540                |
|               | 78      | 2480 MHz               | 0.9567                |
| $\pi/4$ DQPSK | 0       | 2402 MHz               | 1.284                 |
|               | 39      | 2441 MHz               | 1.306                 |
|               | 78      | 2480 MHz               | 1.283                 |
| 8DPSK         | 0       | 2402 MHz               | 1.299                 |
|               | 39      | 2441 MHz               | 1.296                 |
|               | 78      | 2480 MHz               | 1.297                 |

### Test Graphs

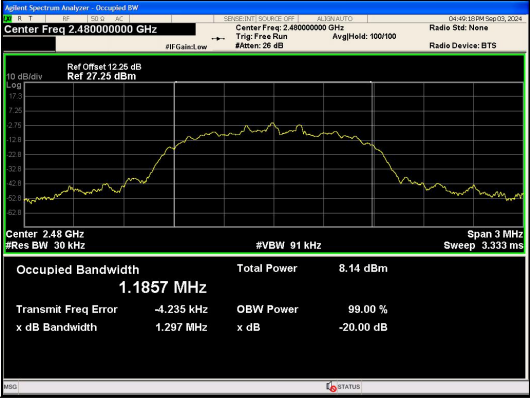




8DPSK 3-DH5 Channel 0



8DPSK 3-DH5 Channel 39



8DPSK 3-DH5 Channel 78

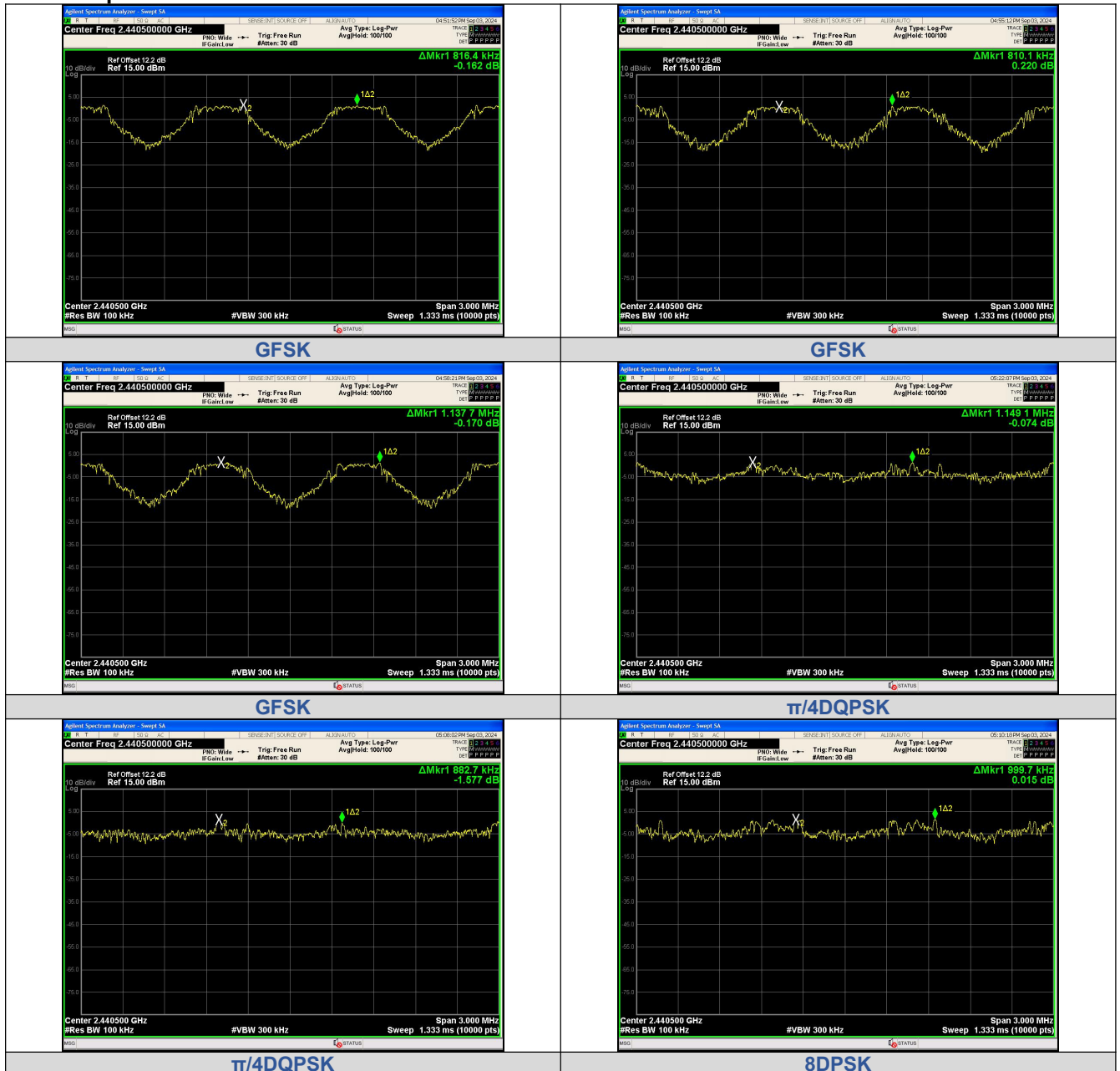


## APPENDIX VII. Carrier Frequencies Separation

### Test Result

| Modulation    | Packet | Left Center frequency (MHz) | Right Center frequency (MHz) | Hopping Frequency Separation (MHz) | Limit (MHz) | Result |
|---------------|--------|-----------------------------|------------------------------|------------------------------------|-------------|--------|
| GFSK          | DH5    | 2440.1641                   | 2440.9805                    | 0.8164                             | 0.637       | PASS   |
| GFSK          | DH5    | 2440.0273                   | 2440.8374                    | 0.8101                             | 0.636       | PASS   |
| GFSK          | DH5    | 2440.0045                   | 2441.1422                    | 1.1377                             | 0.638       | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 2439.8347                   | 2440.9838                    | 1.1491                             | 0.871       | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 2439.9895                   | 2440.8722                    | 0.8827                             | 0.855       | PASS   |
| 8DPSK         | 3-DH5  | 2440.1467                   | 2441.1464                    | 0.9997                             | 0.866       | PASS   |
| 8DPSK         | 3-DH5  | 2439.9727                   | 2441.0192                    | 1.0465                             | 0.864       | PASS   |
| 8DPSK         | 3-DH5  | 2439.9661                   | 2441.0003                    | 1.0342                             | 0.865       | PASS   |

### Test Graphs





**APPENDIX VIII. Conducted Out Of Band Emission****Test Result****Non-Hopping**

| Modulation    | Packet | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---------------|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| GFSK          | DH5    | 0       | 2400.00                      | -48.209                  | -18.54      | -29.669         | PASS   |
|               |        |         | 2593.86                      | -44.841                  | -18.54      | -26.301         | PASS   |
|               |        |         | 4803.76                      | -45.130                  | -18.54      | -26.590         | PASS   |
|               |        |         | 7205.93                      | -48.327                  | -18.54      | -29.787         | PASS   |
|               |        |         | 9608.11                      | -57.709                  | -18.54      | -39.169         | PASS   |
|               |        | 39      | 4881.79                      | -43.644                  | -18.58      | -25.064         | PASS   |
|               |        |         | 7322.67                      | -46.198                  | -18.58      | -27.618         | PASS   |
|               |        |         | 9764.17                      | -59.830                  | -18.58      | -41.250         | PASS   |
|               |        | 78      | 2483.50                      | -49.020                  | -18.68      | -30.340         | PASS   |
|               |        |         | 4959.83                      | -43.056                  | -18.68      | -24.376         | PASS   |
|               |        |         | 7440.03                      | -47.499                  | -18.68      | -28.819         | PASS   |
|               |        |         | 9920.24                      | -57.927                  | -18.68      | -39.247         | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 0       | 2400.00                      | -46.937                  | -18.51      | -28.427         | PASS   |
|               |        |         | 4803.76                      | -46.595                  | -18.51      | -28.085         | PASS   |
|               |        |         | 7205.93                      | -49.596                  | -18.51      | -31.086         | PASS   |
|               |        |         | 9608.11                      | -56.681                  | -18.51      | -38.171         | PASS   |
|               |        |         | 24873.3                      | -46.319                  | -18.51      | -27.808         | PASS   |
|               |        | 39      | 4881.79                      | -44.101                  | -18.77      | -25.331         | PASS   |
|               |        |         | 7323.30                      | -51.059                  | -18.77      | -32.288         | PASS   |
|               |        |         | 9764.17                      | -61.050                  | -18.77      | -42.281         | PASS   |
|               |        | 78      | 2483.50                      | -51.522                  | -18.59      | -32.932         | PASS   |
|               |        |         | 4959.83                      | -44.639                  | -18.59      | -26.049         | PASS   |
|               |        |         | 7440.03                      | -48.930                  | -18.59      | -30.340         | PASS   |
|               |        |         | 9920.24                      | -57.191                  | -18.59      | -38.602         | PASS   |
| 8DPSK         | 3-DH5  | 0       | 2400.00                      | -48.835                  | -18.56      | -30.275         | PASS   |
|               |        |         | 4803.76                      | -46.962                  | -18.56      | -28.402         | PASS   |
|               |        |         | 7205.93                      | -50.772                  | -18.56      | -32.212         | PASS   |
|               |        |         | 9608.11                      | -57.285                  | -18.56      | -38.725         | PASS   |
|               |        |         | 24948.8                      | -45.882                  | -18.56      | -27.322         | PASS   |
|               |        | 39      | 4881.79                      | -44.505                  | -18.58      | -25.925         | PASS   |
|               |        |         | 7322.67                      | -50.314                  | -18.58      | -31.734         | PASS   |
|               |        |         | 9764.17                      | -60.852                  | -18.58      | -42.272         | PASS   |
|               |        |         | 24915.1                      | -44.417                  | -18.58      | -25.837         | PASS   |
|               |        | 78      | 2483.50                      | -51.019                  | -18.78      | -32.239         | PASS   |
|               |        |         | 4959.83                      | -45.151                  | -18.78      | -26.371         | PASS   |
|               |        |         | 7440.03                      | -50.692                  | -18.78      | -31.912         | PASS   |
|               |        |         | 9920.24                      | -57.409                  | -18.78      | -38.629         | PASS   |

**Hopping**

| Hopping    |         |         |                                       |                                   |                |                    |        |
|------------|---------|---------|---------------------------------------|-----------------------------------|----------------|--------------------|--------|
| Modulation | Packet  | Channel | OOB<br>Emission<br>Frequency<br>(MHz) | OOB<br>Emission<br>Level<br>(dBm) | Limit<br>(dBm) | Over Limit<br>(dB) | Result |
| GFSK       | DH5     | Hopping | 2396.12                               | -49.436                           | -18.64         | -30.796            | PASS   |
|            |         |         | 2400.00                               | -50.874                           | -18.64         | -32.234            | PASS   |
|            |         |         | 2483.50                               | -50.656                           | -18.84         | -31.816            | PASS   |
|            |         |         | 2396.18                               | -49.579                           | -18.72         | -30.859            | PASS   |
|            |         |         | 2400.00                               | -50.723                           | -18.72         | -32.003            | PASS   |
|            |         |         | 2483.50                               | -51.683                           | -18.84         | -32.843            | PASS   |
|            |         |         | 2396.07                               | -49.535                           | -18.73         | -30.805            | PASS   |
|            |         |         | 2400.00                               | -49.924                           | -18.73         | -31.194            | PASS   |
| 2483.50    | -50.724 |         | -18.97                                | -31.754                           | PASS           |                    |        |
| π/4DQPSK   | 2-DH5   |         | 2398.05                               | -49.525                           | -18.54         | -30.985            | PASS   |
|            |         |         | 2400.00                               | -50.809                           | -18.54         | -32.269            | PASS   |
|            |         |         | 2483.50                               | -50.812                           | -18.86         | -31.952            | PASS   |
|            |         |         | 2395.56                               | -50.154                           | -20.04         | -30.114            | PASS   |
|            |         |         | 2400.00                               | -52.028                           | -20.04         | -31.988            | PASS   |
|            |         |         | 2483.50                               | -51.638                           | -20.79         | -30.848            | PASS   |
| 8DPSK      | 3-DH5   |         | 2398.05                               | -49.708                           | -18.63         | -31.078            | PASS   |
|            |         | 2400.00 | -51.143                               | -18.63                            | -32.513        | PASS               |        |