

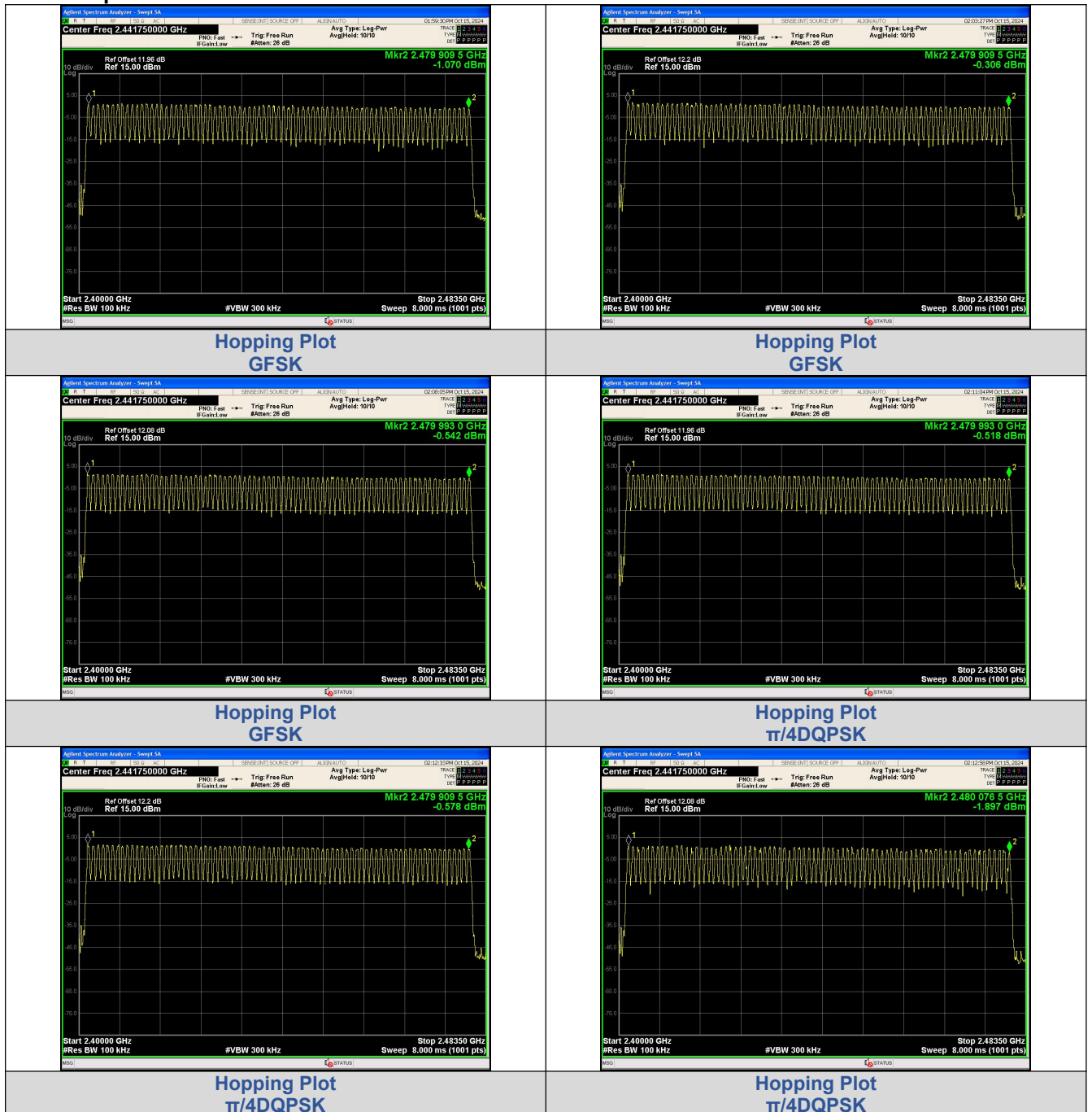


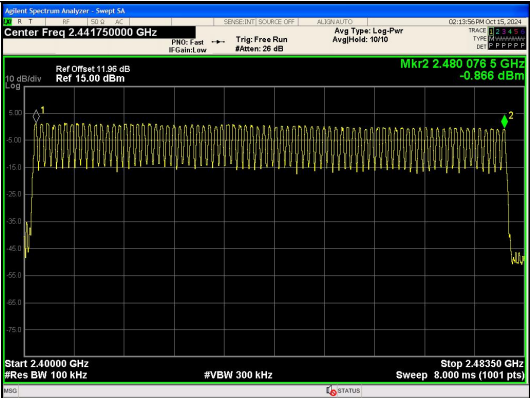
## APPENDIX III. Number Of Hopping Channel

### Test Result

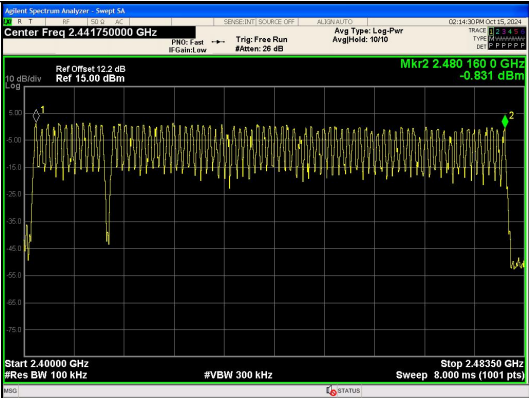
| Modulation    | Packet | Number of Hopping Channel | Limit | Result |
|---------------|--------|---------------------------|-------|--------|
| GFSK          | DH5    | 79                        | 15    | PASS   |
| GFSK          | DH5    | 79                        | 15    | PASS   |
| GFSK          | 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

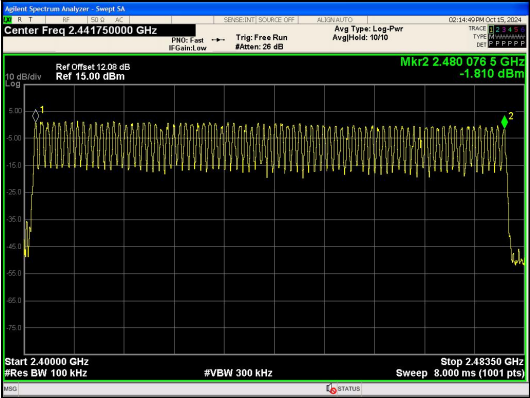




Hopping Plot  
8DPSK



Hopping Plot  
8DPSK



Hopping Plot  
8DPSK

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

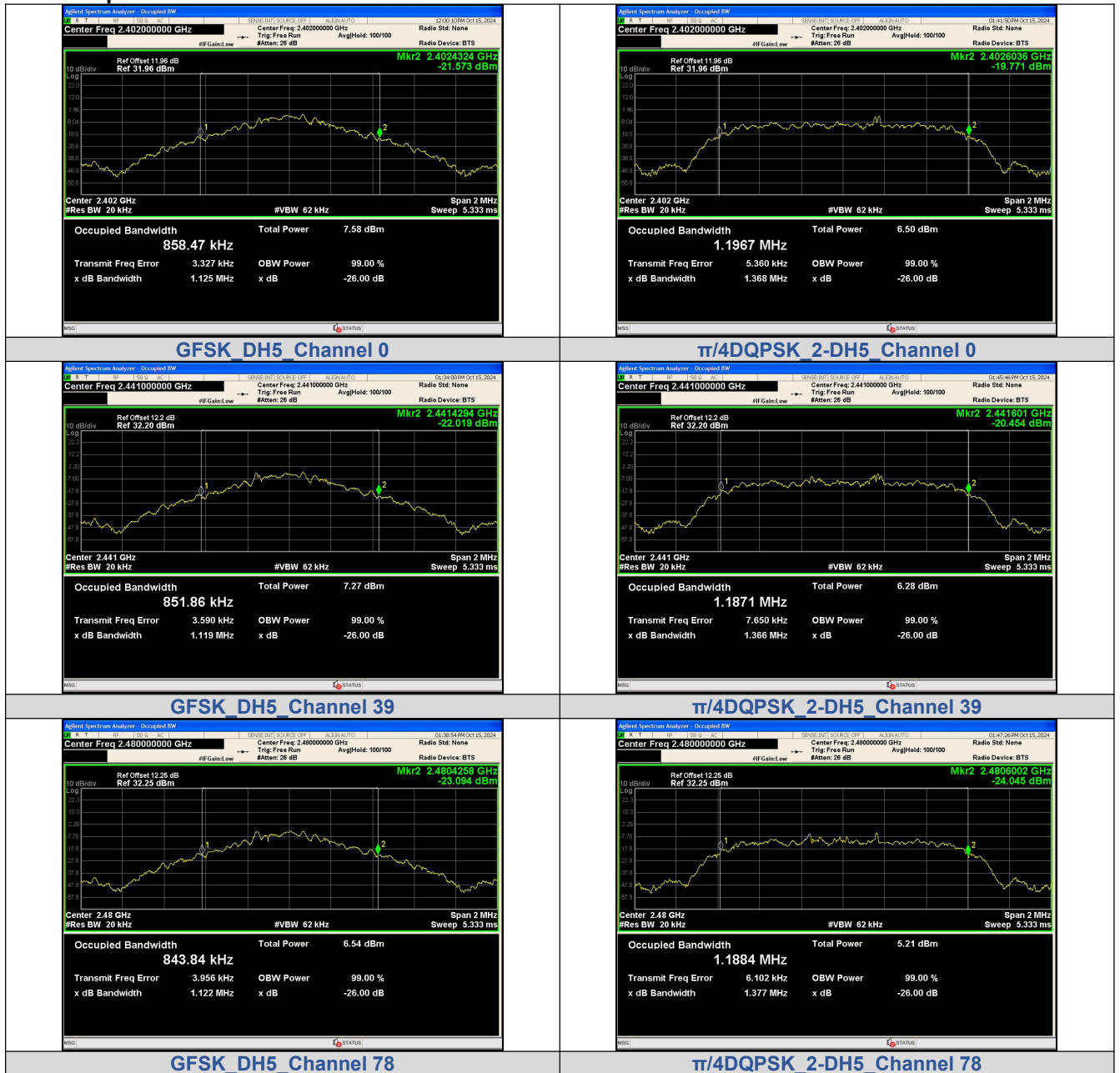
| Modulation | Packet Type | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Max. Avg. Power (dBm) | Limit (dBm) | Result |
|------------|-------------|---------|-------------------------|------------------------|-----------------------|-------------|--------|
| GFSK       | DH5         | 0       | 1.623                   | 1.453                  | None                  | ≤30         | PASS   |
|            |             | 39      | 1.065                   | 1.278                  | None                  |             | PASS   |
|            |             | 78      | 0.163                   | 1.038                  | None                  |             | PASS   |
| π/4DQPSK   | 2-DH5       | 0       | 2.498                   | 1.777                  | None                  | ≤20.97      | PASS   |
|            |             | 39      | 1.908                   | 1.552                  | None                  |             | PASS   |
|            |             | 78      | 1.058                   | 1.276                  | None                  |             | PASS   |
| 8DPSK      | 3-DH5       | 0       | 2.922                   | 1.960                  | None                  |             | PASS   |
|            |             | 39      | 2.307                   | 1.701                  | None                  |             | PASS   |
|            |             | 78      | 1.488                   | 1.409                  | None                  |             | PASS   |

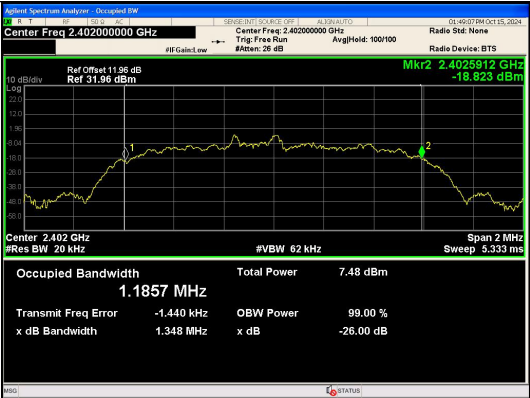
## APPENDIX V. 99% Bandwidth

### Test Result

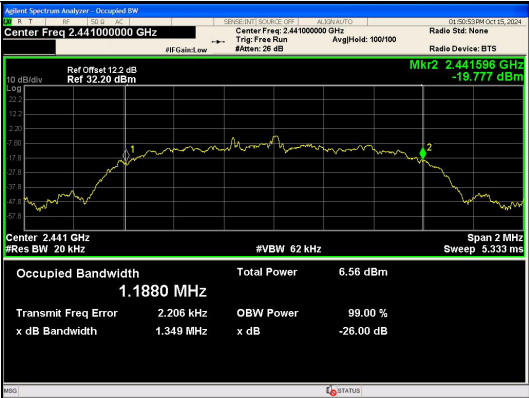
| Modulation    | Channel | Center Frequency (MHz) | 99% BW (MHz) |
|---------------|---------|------------------------|--------------|
| GFSK          | 0       | 2402                   | 0.85847      |
|               | 39      | 2441                   | 0.85186      |
|               | 78      | 2480                   | 0.84384      |
| $\pi/4$ DQPSK | 0       | 2402                   | 1.1967       |
|               | 39      | 2441                   | 1.1871       |
|               | 78      | 2480                   | 1.1884       |
| 8DPSK         | 0       | 2402                   | 1.1857       |
|               | 39      | 2441                   | 1.1880       |
|               | 78      | 2480                   | 1.1901       |

### Test Graphs

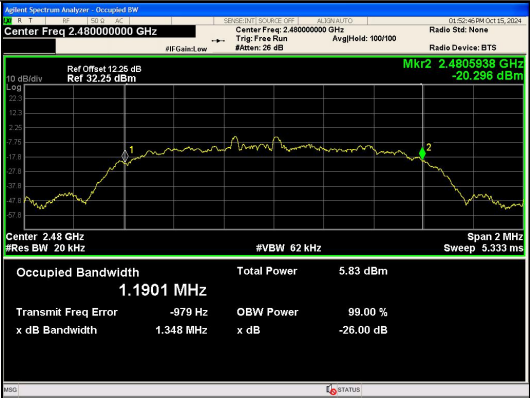




8DPSK 3-DH5 Channel 0



8DPSK 3-DH5 Channel 39



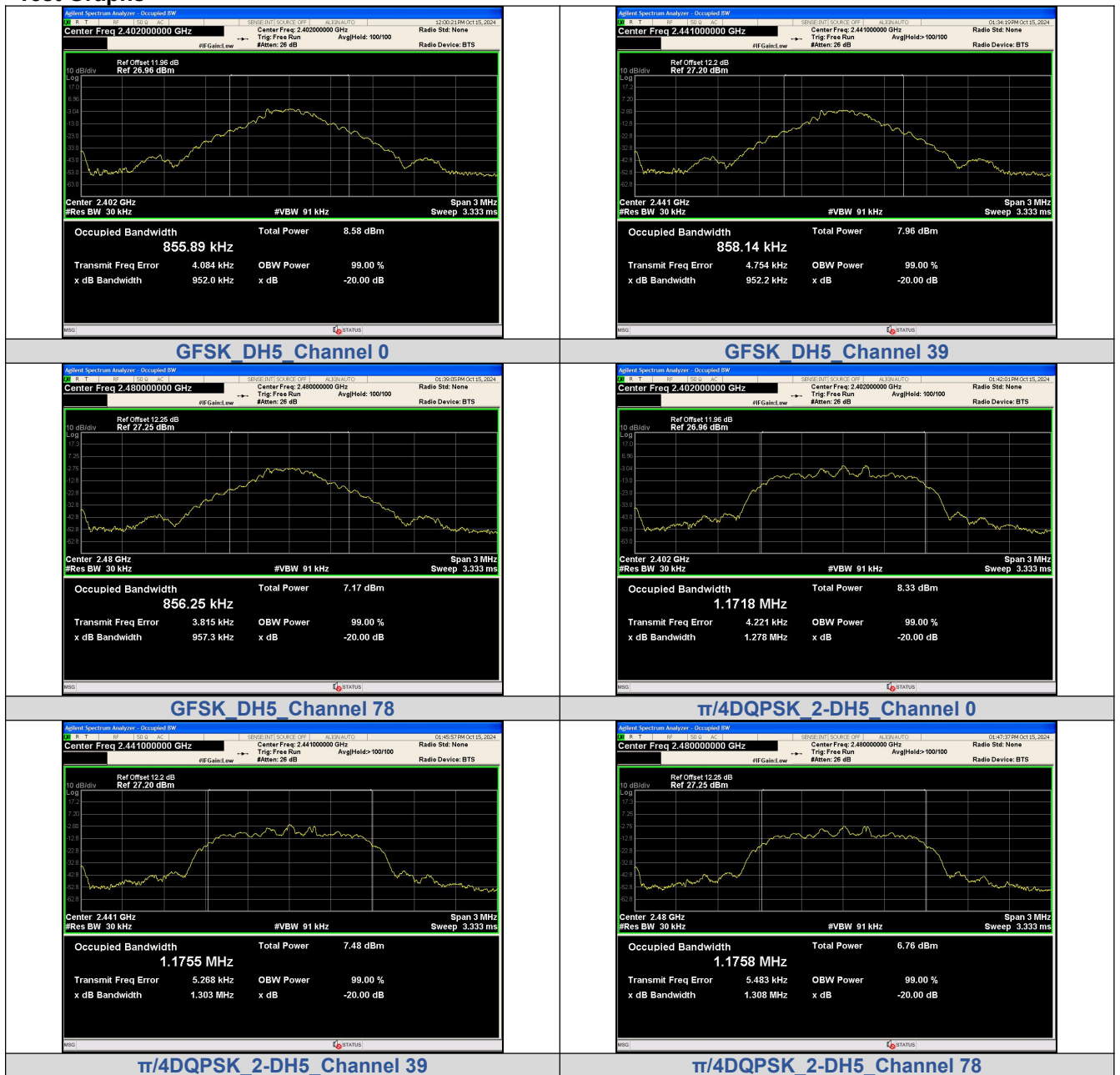
8DPSK 3-DH5 Channel 78

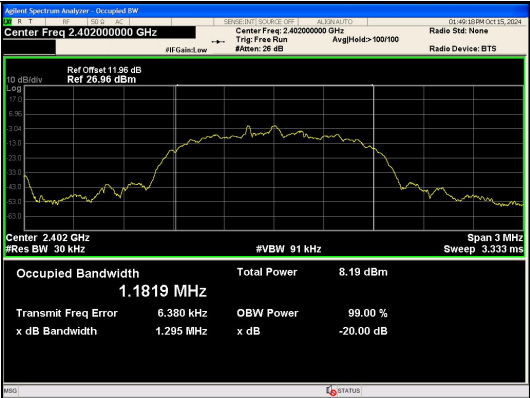
## APPENDIX VI. 20dB Bandwidth

### Test Result

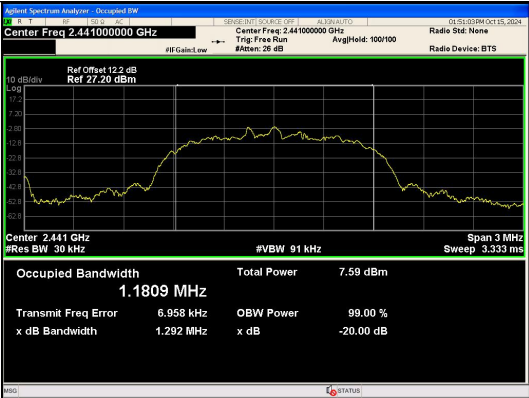
| Modulation    | Channel | Center Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------------|---------|------------------------|-----------------------|
| GFSK          | 0       | 2402 MHz               | 0.9520                |
|               | 39      | 2441 MHz               | 0.9522                |
|               | 78      | 2480 MHz               | 0.9573                |
| $\pi/4$ DQPSK | 0       | 2402 MHz               | 1.278                 |
|               | 39      | 2441 MHz               | 1.303                 |
|               | 78      | 2480 MHz               | 1.308                 |
| 8DPSK         | 0       | 2402 MHz               | 1.295                 |
|               | 39      | 2441 MHz               | 1.292                 |
|               | 78      | 2480 MHz               | 1.298                 |

### Test Graphs

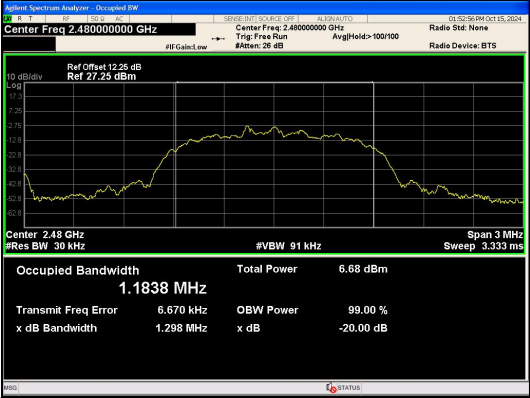




8DPSK 3-DH5 Channel 0



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    | 2439.8707                   | 2441.0516                    | 1.1809                             | 0.635       | PASS   |
| GFSK          | DH5    | 2440.0654                   | 2441.0738                    | 1.0084                             | 0.635       | PASS   |
| GFSK          | DH5    | 2439.8437                   | 2440.8713                    | 1.0276                             | 0.638       | PASS   |
| $\pi$ /4DQPSK | 2-DH5  | 2439.9919                   | 2440.847                     | 0.8551                             | 0.852       | PASS   |
| $\pi$ /4DQPSK | 2-DH5  | 2439.8395                   | 2440.8278                    | 0.9883                             | 0.869       | PASS   |
| $\pi$ /4DQPSK | 2-DH5  | 2439.9118                   | 2441.1704                    | 1.2586                             | 0.872       | PASS   |
| 8DPSK         | 3-DH5  | 2440.0129                   | 2440.931                     | 0.9181                             | 0.863       | PASS   |
| 8DPSK         | 3-DH5  | 2439.8557                   | 2440.853                     | 0.9973                             | 0.861       | PASS   |
| 8DPSK         | 3-DH5  | 2439.8329                   | 2440.9769                    | 1.1440                             | 0.865       | PASS   |

Test Graphs

