

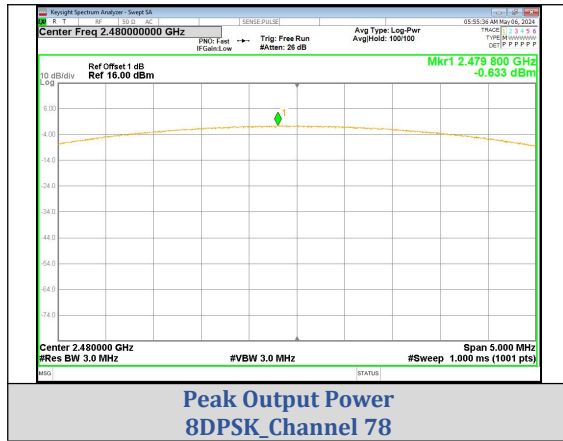
## Conducted Peak Output Power

### Test Result

| Modulation    | Packet Type | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|---------------|-------------|---------|-------------------------|------------------------|-------------|--------|
| GFSK          | DH5         | 0       | -0.972                  | 0.799                  | 30          | PASS   |
|               |             | 39      | -0.762                  | 0.839                  |             | PASS   |
|               |             | 78      | -1.764                  | 0.666                  |             | PASS   |
| $\pi/4$ DQPSK | 2-DH5       | 0       | -0.138                  | 0.969                  | 20.97       | PASS   |
|               |             | 39      | -0.004                  | 0.999                  |             | PASS   |
|               |             | 78      | -1.009                  | 0.793                  |             | PASS   |
| 8DPSK         | 3-DH5       | 0       | 0.220                   | 1.052                  |             | PASS   |
|               |             | 39      | 0.396                   | 1.095                  |             | PASS   |
|               |             | 78      | -0.633                  | 0.864                  |             | PASS   |

# Test Graphs



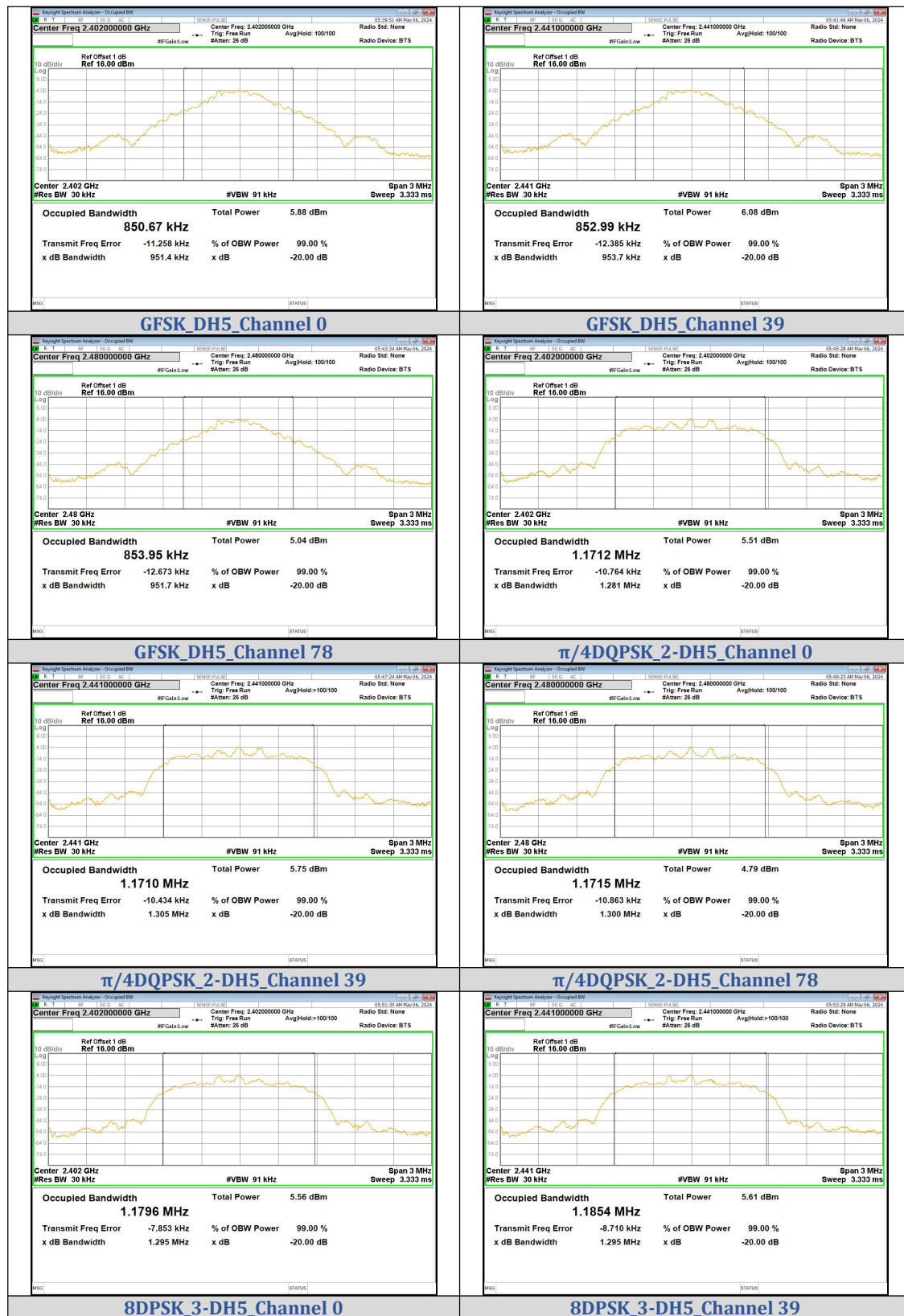


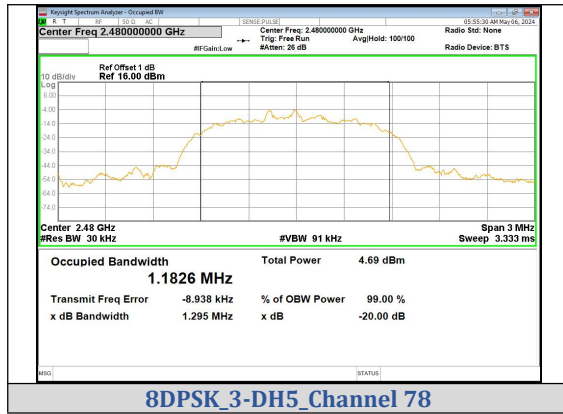
## 20dB Bandwidth

### Test Result

| Modulation    | Channel | Center Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------------|---------|------------------------|-----------------------|
| GFSK          | 0       | 2402 MHz               | 0.9514                |
|               | 39      | 2441 MHz               | 0.9537                |
|               | 78      | 2480 MHz               | 0.9517                |
| $\pi/4$ DQPSK | 0       | 2402 MHz               | 1.281                 |
|               | 39      | 2441 MHz               | 1.305                 |
|               | 78      | 2480 MHz               | 1.300                 |
| 8DPSK         | 0       | 2402 MHz               | 1.295                 |
|               | 39      | 2441 MHz               | 1.295                 |
|               | 78      | 2480 MHz               | 1.295                 |

## Test Graphs



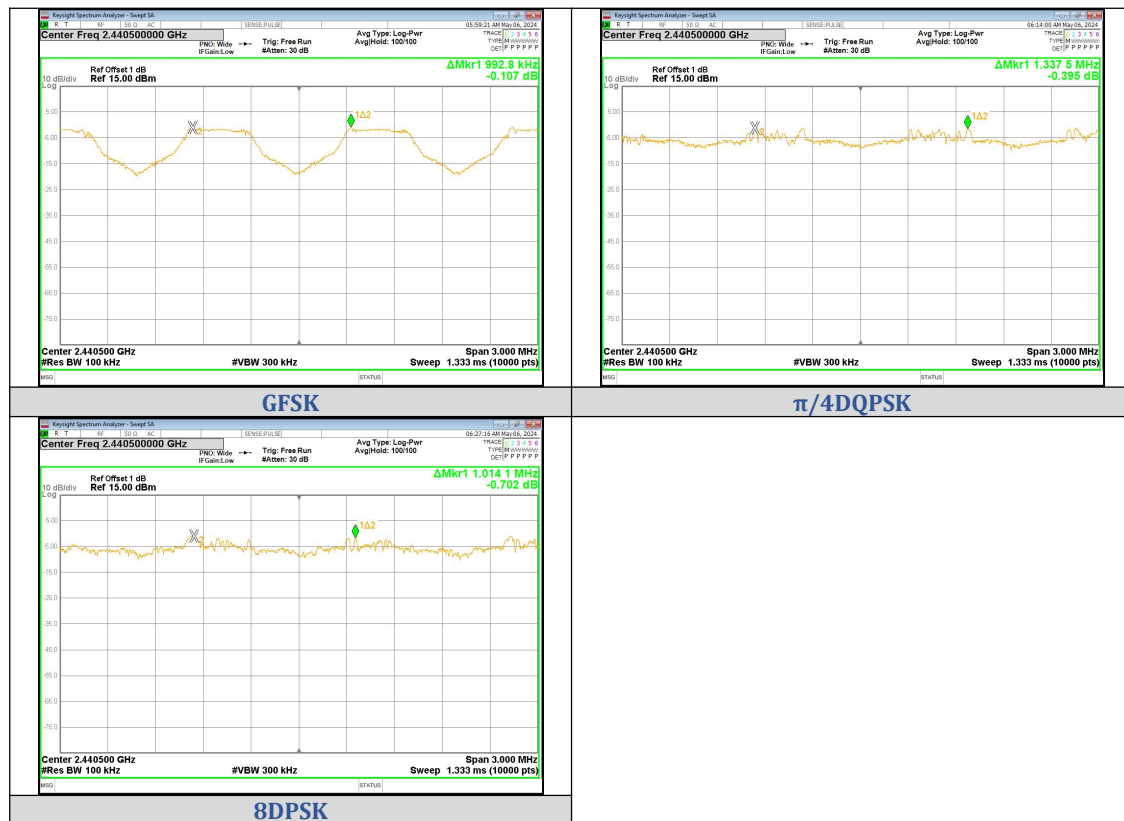


## Carrier Frequencies Separation

### Test Result

| Modulation    | Packet | Left Center frequency (MHz) | Right Center frequency (MHz) | Hopping Frequency Separation (MHz) | Limit (MHz) | Result |
|---------------|--------|-----------------------------|------------------------------|------------------------------------|-------------|--------|
| GFSK          | DH5    | 2439.8344                   | 2440.8272                    | 0.9928                             | 0.634       | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 2439.8347                   | 2441.1722                    | 1.3375                             | 0.867       | PASS   |
| 8DPSK         | 3-DH5  | 2439.8407                   | 2440.8548                    | 1.0141                             | 0.863       | PASS   |

## Test Graphs



## 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                      | -51.963                  | -21.21      | -30.753         | PASS   |
|               |        |         | 2399.00                      | -40.769                  | -21.21      | -19.559         | PASS   |
|               |        |         | 4804.40                      | -53.662                  | -21.21      | -32.452         | PASS   |
|               |        |         | 7205.90                      | -65.786                  | -21.21      | -44.576         | PASS   |
|               |        |         | 9607.50                      | -63.652                  | -21.21      | -42.442         | PASS   |
|               |        | 39      | 24912.0                      | -51.021                  | -21.21      | -29.811         | PASS   |
|               |        |         | 4882.42                      | -54.612                  | -20.99      | -33.622         | PASS   |
|               |        |         | 7323.92                      | -64.410                  | -20.99      | -43.420         | PASS   |
|               |        |         | 9764.17                      | -63.658                  | -20.99      | -42.668         | PASS   |
|               |        |         | 24996.2                      | -51.882                  | -20.99      | -30.892         | PASS   |
|               |        | 78      | 2483.50                      | -43.063                  | -22.04      | -21.023         | PASS   |
|               |        |         | 4959.83                      | -53.718                  | -22.04      | -31.678         | PASS   |
|               |        |         | 7439.41                      | -64.862                  | -22.04      | -42.822         | PASS   |
|               |        |         | 9919.62                      | -64.220                  | -22.04      | -42.180         | PASS   |
|               |        |         | 24878.3                      | -51.413                  | -22.04      | -29.373         | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 0       | 2400.00                      | -49.234                  | -21.35      | -27.884         | PASS   |
|               |        |         | 2399.00                      | -40.979                  | -21.35      | -19.629         | PASS   |
|               |        |         | 4803.80                      | -57.126                  | -21.35      | -35.776         | PASS   |
|               |        |         | 7205.30                      | -65.705                  | -21.35      | -44.355         | PASS   |
|               |        |         | 9608.70                      | -65.272                  | -21.35      | -43.922         | PASS   |
|               |        | 39      | 24604.2                      | -50.417                  | -21.35      | -29.067         | PASS   |
|               |        |         | 4882.42                      | -58.425                  | -21.11      | -37.315         | PASS   |
|               |        |         | 7322.67                      | -65.066                  | -21.11      | -43.956         | PASS   |
|               |        |         | 9764.17                      | -63.109                  | -21.11      | -41.999         | PASS   |
|               |        |         | 24816.5                      | -51.244                  | -21.11      | -30.134         | PASS   |
|               |        | 78      | 2483.50                      | -42.701                  | -22.14      | -20.561         | PASS   |
|               |        |         | 4959.83                      | -58.942                  | -22.14      | -36.802         | PASS   |
|               |        |         | 7440.66                      | -65.647                  | -22.14      | -43.507         | PASS   |
|               |        |         | 9919.62                      | -65.288                  | -22.14      | -43.148         | PASS   |
|               |        |         | 24968.8                      | -51.289                  | -22.14      | -29.149         | PASS   |
| 8DPSK         | 3-DH5  | 0       | 2400.00                      | -53.936                  | -21.4       | -32.536         | PASS   |
|               |        |         | 2399.00                      | -41.018                  | -21.4       | -19.618         | PASS   |
|               |        |         | 4803.80                      | -54.368                  | -21.4       | -32.968         | PASS   |
|               |        |         | 7206.60                      | -66.496                  | -21.4       | -45.096         | PASS   |
|               |        |         | 9608.70                      | -64.833                  | -21.4       | -43.433         | PASS   |
|               |        |         | 24902.6                      | -51.684                  | -21.4       | -30.284         | PASS   |
|               |        | 39      | 4881.79                      | -54.717                  | -21.01      | -33.707         | PASS   |
|               |        |         | 7323.92                      | -64.191                  | -21.01      | -43.181         | PASS   |
|               |        |         | 9763.55                      | -65.751                  | -21.01      | -44.741         | PASS   |
|               |        |         | 24633.6                      | -51.441                  | -21.01      | -30.431         | PASS   |
|               |        | 78      | 2483.50                      | -42.726                  | -22.03      | -20.696         | PASS   |
|               |        |         | 4959.83                      | -53.257                  | -22.03      | -31.227         | PASS   |
|               |        |         | 7440.66                      | -65.898                  | -22.03      | -43.868         | PASS   |
|               |        |         | 9920.86                      | -66.596                  | -22.03      | -44.566         | PASS   |
|               |        |         | 24983.1                      | -50.712                  | -22.03      | -28.682         | PASS   |

## Hopping

| Modulation | Packet | Channel | OOB<br>Emission<br>Frequency<br>(MHz) | OOB<br>Emission<br>Level<br>(dBm) | Limit<br>(dBm) | Over<br>Limit<br>(dB) | Result |
|------------|--------|---------|---------------------------------------|-----------------------------------|----------------|-----------------------|--------|
| GFSK       | DH5    | Hopping | 2400.00                               | -40.574                           | -21.12         | -19.454               | PASS   |
| π/4DQPSK   | 2-DH5  |         | 2483.50                               | -43.029                           | -21.99         | -21.039               | PASS   |
|            |        |         | 2398.85                               | -41.367                           | -21.16         | -20.207               | PASS   |
|            |        |         | 2400.00                               | -42.617                           | -21.16         | -21.457               | PASS   |
| 8DPSK      | 3-DH5  |         | 2483.50                               | -42.217                           | -22.08         | -20.137               | PASS   |
|            |        |         | 2400.00                               | -41.853                           | -21.26         | -20.593               | PASS   |
|            |        |         | 2483.50                               | -46.428                           | -21.89         | -24.538               | PASS   |

# Test Graphs

