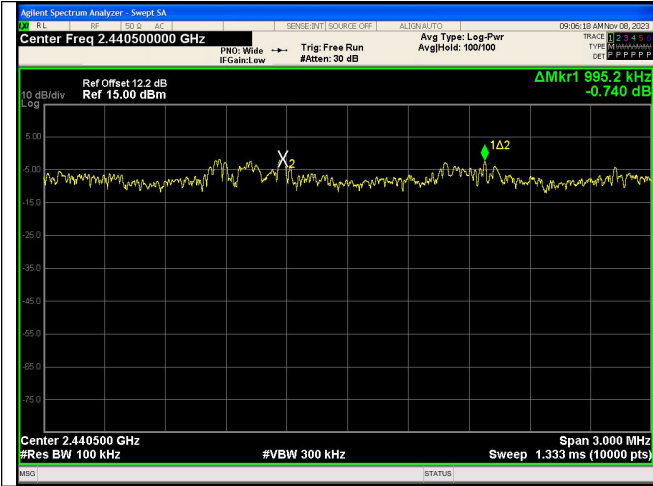
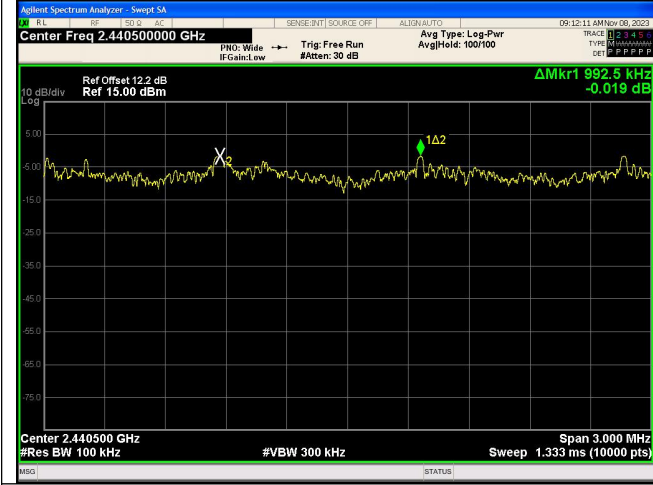




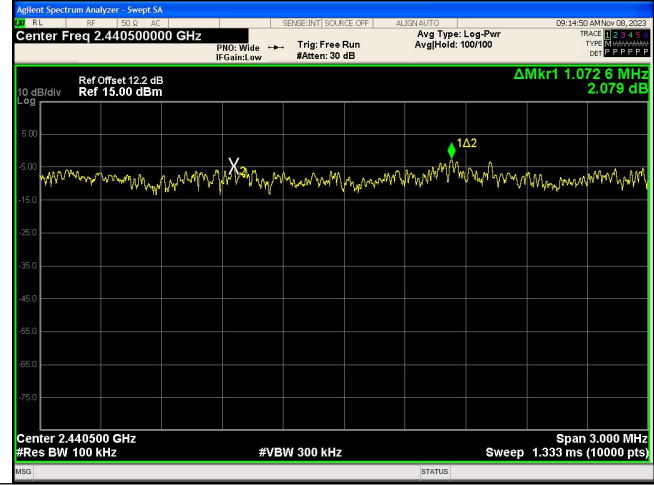
$\pi/4$ DQPSK



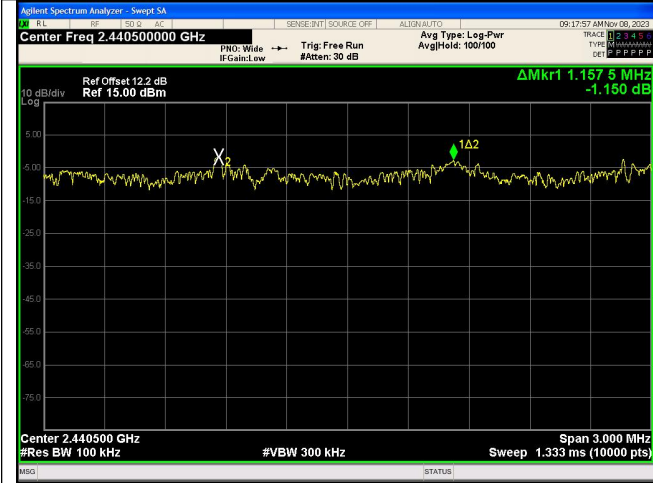
$\pi/4$ DQPSK



8DPSK



8DPSK



8DPSK

Void

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

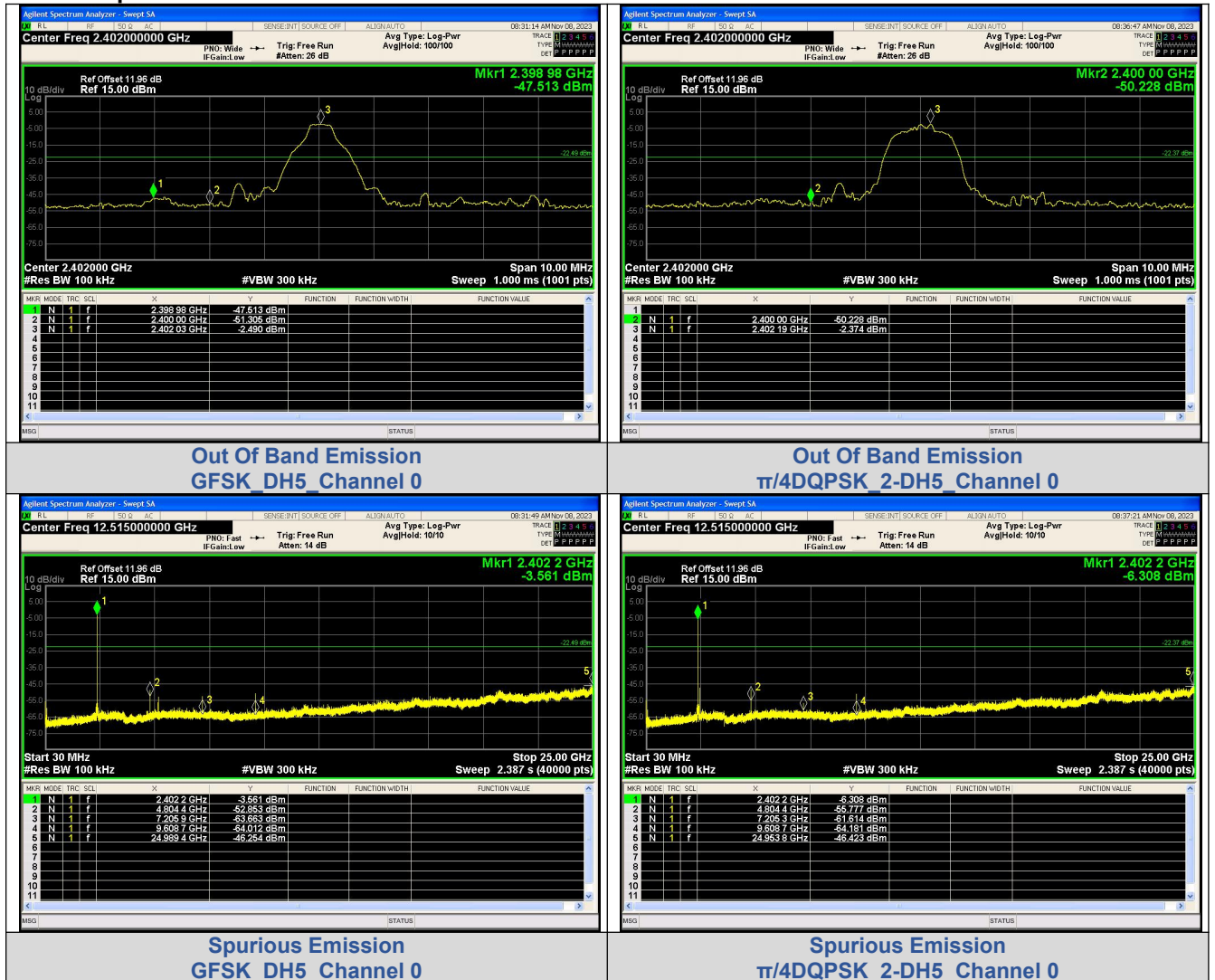
| Modulation    | Packet | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---------------|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| GFSK          | DH5    | 0       | 2400.00                      | -51.305                  | -22.49      | -28.815         | PASS   |
|               |        |         | 2398.98                      | -47.513                  | -22.49      | -25.023         | PASS   |
|               |        |         | 4804.40                      | -52.853                  | -22.49      | -30.363         | PASS   |
|               |        |         | 7205.90                      | -63.663                  | -22.49      | -41.173         | PASS   |
|               |        |         | 9608.70                      | -64.012                  | -22.49      | -41.522         | PASS   |
|               |        |         | 24989.4                      | -46.254                  | -22.49      | -23.764         | PASS   |
|               |        | 39      | 4882.42                      | -49.819                  | -21.72      | -28.099         | PASS   |
|               |        |         | 7323.92                      | -61.313                  | -21.72      | -39.593         | PASS   |
|               |        |         | 9764.17                      | -62.938                  | -21.72      | -41.218         | PASS   |
|               |        |         | 24896.4                      | -46.144                  | -21.72      | -24.424         | PASS   |
|               |        | 78      | 2483.50                      | -46.846                  | -22.51      | -24.336         | PASS   |
|               |        |         | 4959.83                      | -47.251                  | -22.51      | -24.741         | PASS   |
|               |        |         | 7440.66                      | -61.858                  | -22.51      | -39.348         | PASS   |
|               |        |         | 9919.62                      | -63.300                  | -22.51      | -40.790         | PASS   |
|               |        |         | 24947.6                      | -45.030                  | -22.51      | -22.520         | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 0       | 2400.00                      | -50.228                  | -22.37      | -27.858         | PASS   |
|               |        |         | 2399.00                      | -48.497                  | -22.37      | -26.127         | PASS   |
|               |        |         | 4804.40                      | -55.777                  | -22.37      | -33.407         | PASS   |
|               |        |         | 7205.30                      | -61.614                  | -22.37      | -39.244         | PASS   |
|               |        |         | 9608.70                      | -64.181                  | -22.37      | -41.811         | PASS   |
|               |        |         | 24953.8                      | -46.423                  | -22.37      | -24.053         | PASS   |
|               |        | 39      | 4881.79                      | -54.623                  | -21.74      | -32.883         | PASS   |
|               |        |         | 7322.67                      | -63.094                  | -21.74      | -41.355         | PASS   |
|               |        |         | 9763.55                      | -63.150                  | -21.74      | -41.410         | PASS   |
|               |        |         | 24970.7                      | -44.863                  | -21.74      | -23.123         | PASS   |
|               |        | 78      | 2483.50                      | -48.831                  | -22.5       | -26.331         | PASS   |
|               |        |         | 4959.20                      | -53.598                  | -22.5       | -31.098         | PASS   |
|               |        |         | 7439.41                      | -63.914                  | -22.5       | -41.414         | PASS   |
|               |        |         | 9919.62                      | -61.492                  | -22.5       | -38.992         | PASS   |
|               |        |         | 24941.9                      | -45.169                  | -22.5       | -22.669         | PASS   |
| 8DPSK         | 3-DH5  | 0       | 2400.00                      | -47.758                  | -22.29      | -25.468         | PASS   |
|               |        |         | 4804.38                      | -54.270                  | -22.29      | -31.980         | PASS   |
|               |        |         | 7206.56                      | -62.668                  | -22.29      | -40.378         | PASS   |
|               |        |         | 9608.73                      | -62.720                  | -22.29      | -40.430         | PASS   |
|               |        |         | 24887.6                      | -45.624                  | -22.29      | -23.334         | PASS   |
|               |        | 39      | 4881.79                      | -53.663                  | -21.7       | -31.963         | PASS   |
|               |        |         | 7322.05                      | -63.610                  | -21.7       | -41.910         | PASS   |
|               |        |         | 9764.80                      | -63.416                  | -21.7       | -41.716         | PASS   |
|               |        |         | 24930.1                      | -45.331                  | -21.7       | -23.631         | PASS   |
|               |        | 78      | 2483.50                      | -49.115                  | -22.48      | -26.635         | PASS   |
|               |        |         | 4960.45                      | -51.279                  | -22.48      | -28.799         | PASS   |
|               |        |         | 7440.03                      | -62.795                  | -22.48      | -40.315         | PASS   |
|               |        |         | 9919.62                      | -63.129                  | -22.48      | -40.649         | PASS   |
|               |        |         | 24932.6                      | -45.702                  | -22.48      | -23.222         | PASS   |

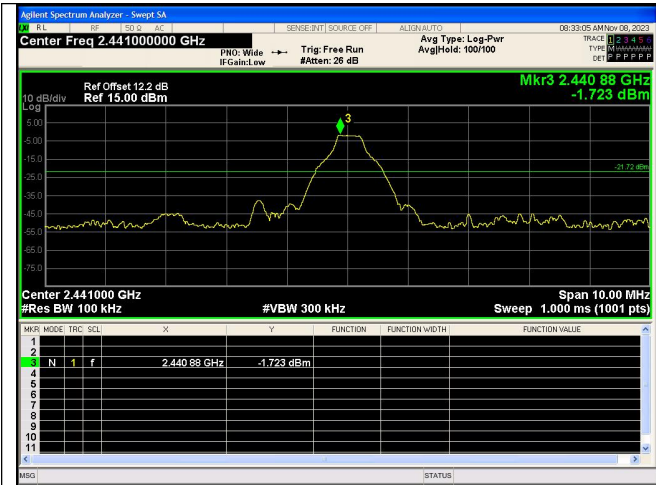
**Hopping**

| Hopping    |        |         |                              |                          |             |                 |        |
|------------|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| Modulation | Packet | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
| GFSK       | DH5    | Hopping | 2400.00                      | -47.816                  | -22.28      | -25.536         | PASS   |
|            |        |         | 2483.50                      | -48.366                  | -22.46      | -25.906         | PASS   |
|            |        |         | 2398.99                      | -48.729                  | -22.51      | -26.219         | PASS   |
|            |        |         | 2400.00                      | -48.846                  | -22.51      | -26.336         | PASS   |
|            |        |         | 2483.50                      | -49.090                  | -22.56      | -26.530         | PASS   |
|            |        |         | 2400.00                      | -48.271                  | -22.34      | -25.931         | PASS   |
|            |        |         | 2483.50                      | -50.189                  | -22.78      | -27.409         | PASS   |
| π/4DQPSK   | 2-DH5  |         | 2398.81                      | -49.570                  | -22.71      | -26.860         | PASS   |
|            |        |         | 2400.00                      | -51.666                  | -22.71      | -28.956         | PASS   |
|            |        |         |                              |                          |             |                 |        |

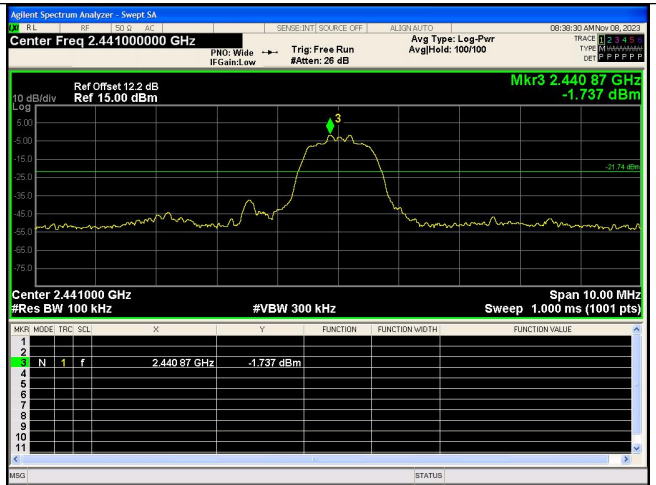
|       |       |  |         |         |        |         |      |
|-------|-------|--|---------|---------|--------|---------|------|
|       |       |  | 2483.50 | -49.950 | -23.87 | -26.080 | PASS |
|       |       |  | 2398.20 | -49.828 | -24.18 | -25.648 | PASS |
|       |       |  | 2400.00 | -51.405 | -24.18 | -27.225 | PASS |
|       |       |  | 2483.50 | -51.011 | -22.61 | -28.401 | PASS |
|       |       |  | 2397.44 | -49.832 | -22.34 | -27.492 | PASS |
|       |       |  | 2400.00 | -51.655 | -22.34 | -29.315 | PASS |
|       |       |  | 2483.50 | -49.228 | -22.87 | -26.358 | PASS |
| 8DPSK | 3-DH5 |  | 2397.19 | -49.964 | -23.66 | -26.304 | PASS |
|       |       |  | 2400.00 | -51.162 | -23.66 | -27.502 | PASS |
|       |       |  | 2483.50 | -51.706 | -24.72 | -26.986 | PASS |
|       |       |  | 2400.00 | -49.265 | -22.27 | -26.995 | PASS |
|       |       |  | 2483.50 | -50.321 | -23.62 | -26.701 | PASS |
|       |       |  | 2398.70 | -49.161 | -22.32 | -26.841 | PASS |
|       |       |  | 2400.00 | -50.713 | -22.32 | -28.393 | PASS |
|       |       |  | 2483.50 | -49.951 | -22.87 | -27.081 | PASS |

## Test Graphs

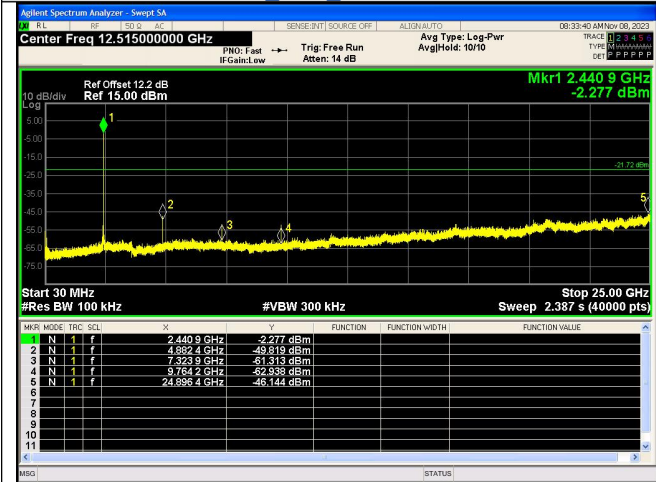




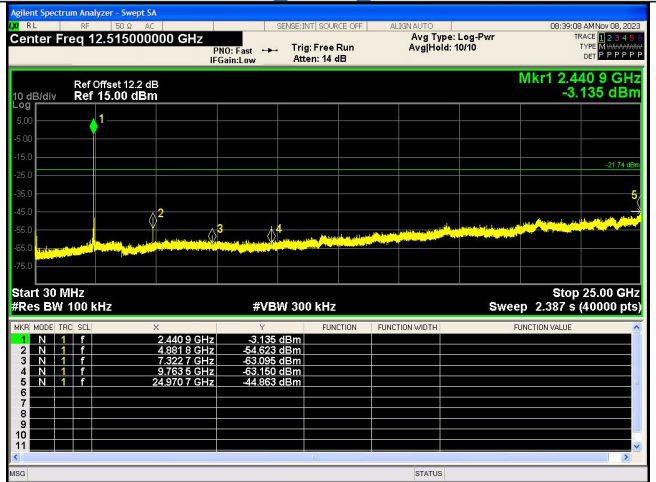
Out Of Band Emission  
GFSK DH5 Channel 39



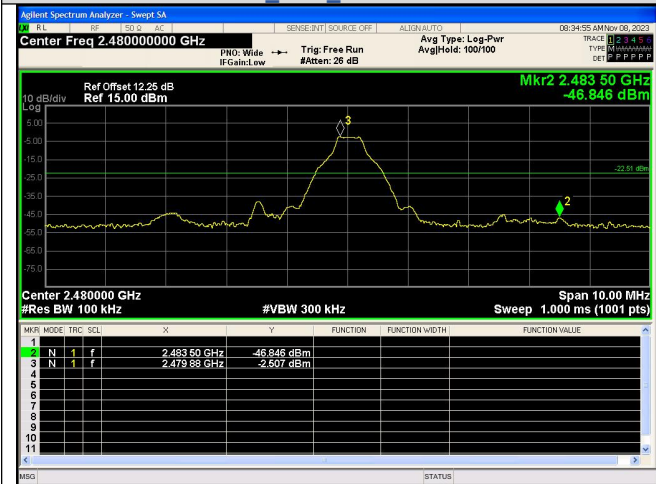
Out Of Band Emission  
 $\pi/4$ DQPSK 2-DH5 Channel 39



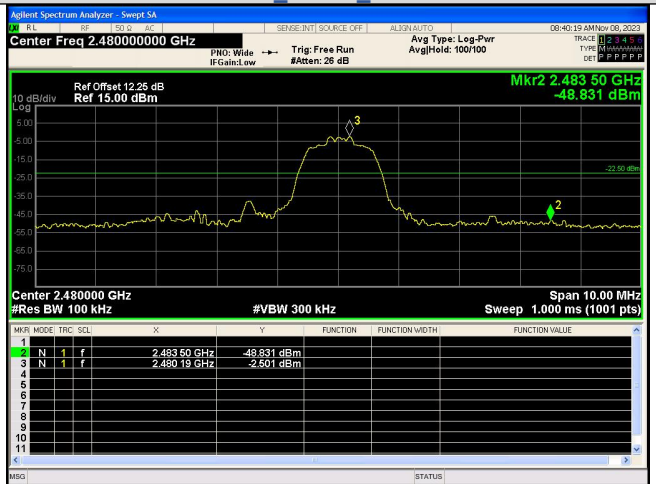
Spurious Emissions  
GFSK DH5 Channel 39



Spurious Emissions  
 $\pi/4$ DQPSK 2-DH5 Channel 39



Out Of Band Emission  
GFSK DH5 Channel 78



Out Of Band Emission  
 $\pi/4$ DQPSK 2-DH5 Channel 78

