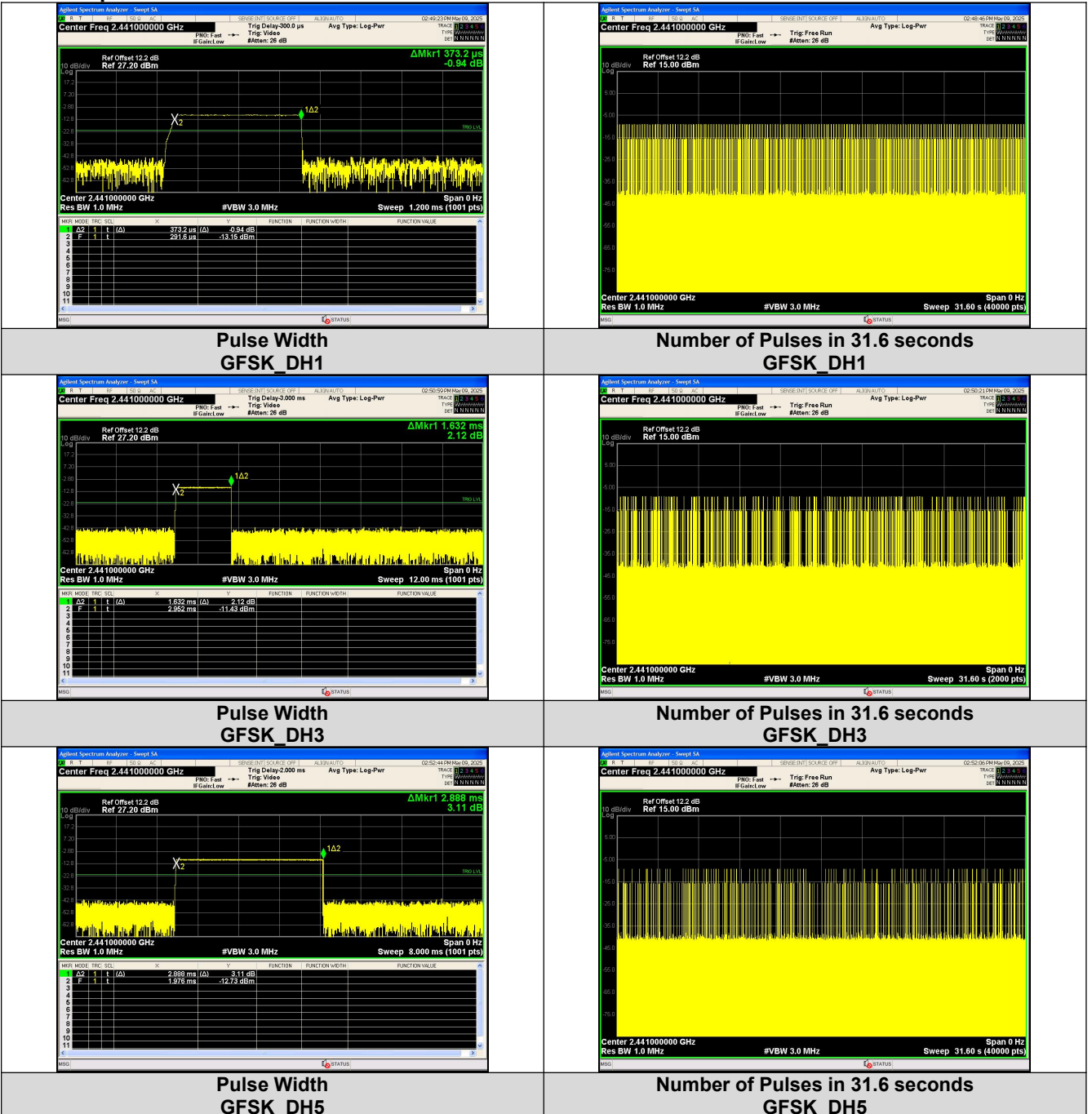


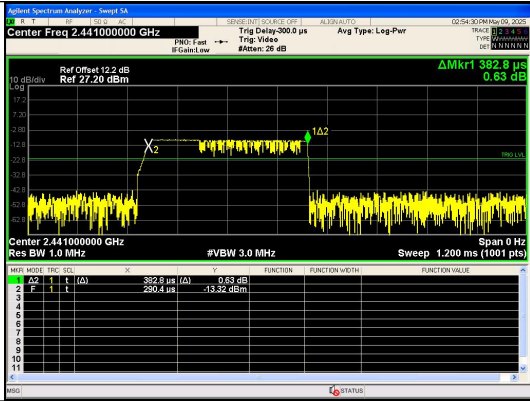
APPENDIX II. Dwell Time

Test Result

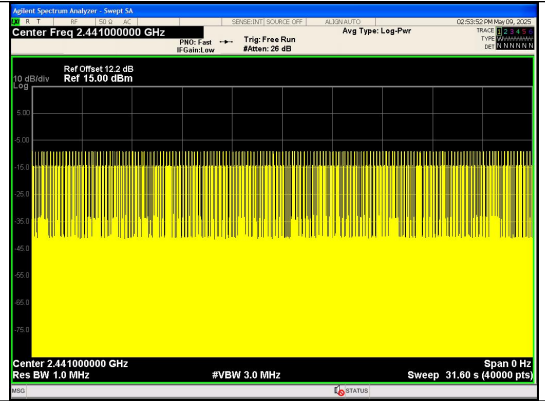
| Modulation | Packet | Channel | Pulse Width (ms) | Number of Pulses in 31.6 seconds | Dwell Time (ms) | Limit (ms) | Result |
|---------------|--------|-------------------|------------------|----------------------------------|-----------------|------------|--------|
| GFSK | DH1 | CH39 (2441MHz) | 0.3732 | 318 | 118.68 | < 400 | PASS |
| | DH3 | | 1.632 | 92 | 150.14 | | PASS |
| | DH5 | | 2.888 | 104 | 300.35 | | PASS |
| π /4DQPSK | 2-DH1 | | 0.3828 | 316 | 120.96 | | PASS |
| | 2-DH3 | | 1.632 | 158 | 257.86 | | PASS |
| | 2-DH5 | | 2.880 | 104 | 299.52 | | PASS |

Test Graphs

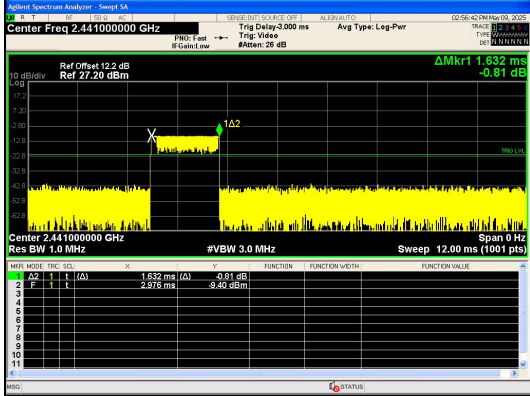




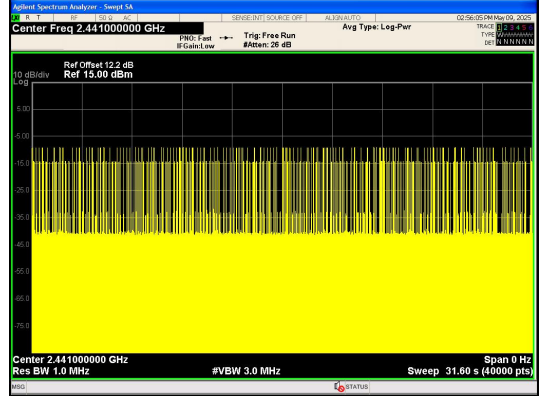
**Pulse Width
 $\pi/4$ DQPSK_2-DH1**



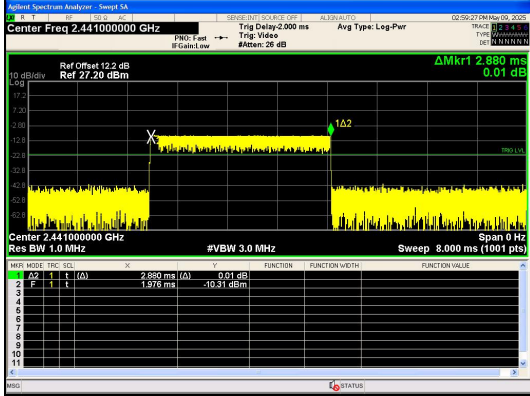
**Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH1**



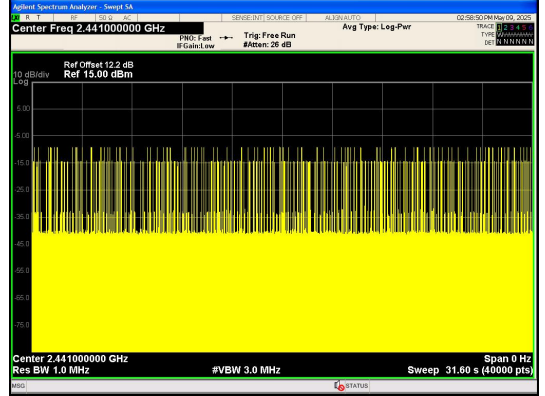
**Pulse Width
 $\pi/4$ DQPSK_2-DH3**



**Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH3**



**Pulse Width
 $\pi/4$ DQPSK_2-DH5**



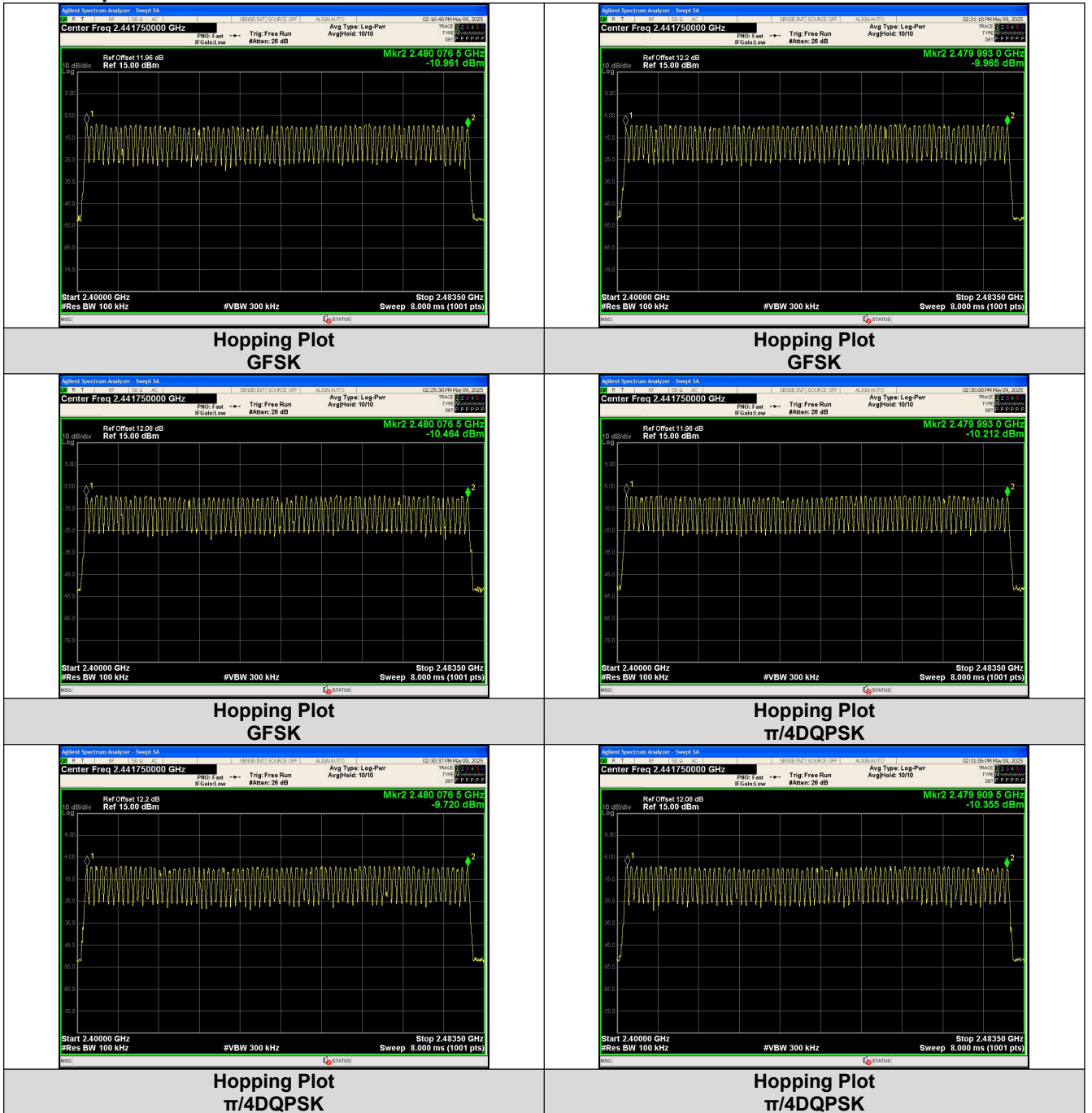
**Number of Pulses in 31.6 seconds
 $\pi/4$ DQPSK_2-DH5**

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 |

Test Graphs

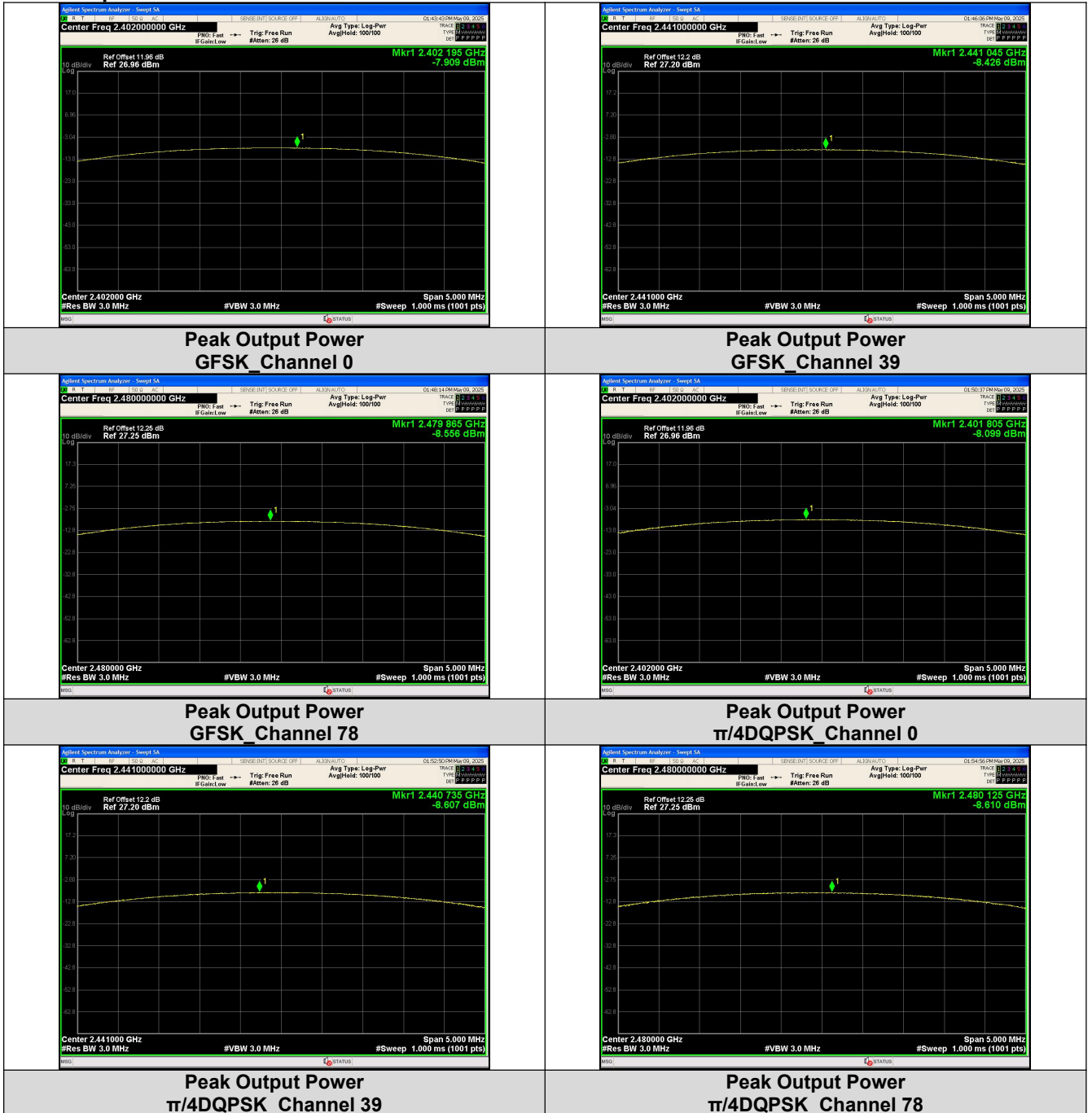


APPENDIX IV. Conducted Peak Output Power

Test Result

| Modulation | Packet Type | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Max. Avg. Power (dBm) | Limit (dBm) | Result |
|------------|-------------|---------|-------------------------|------------------------|-----------------------|-------------|--------|
| GFSK | DH5 | 0 | -7.91 | 0.16 | None | ≤30 | PASS |
| | | 39 | -8.43 | 0.14 | None | | PASS |
| | | 78 | -8.56 | 0.14 | None | | PASS |
| π/4DQPSK | 2-DH5 | 0 | -8.10 | 0.15 | None | ≤20.97 | PASS |
| | | 39 | -8.61 | 0.14 | None | | PASS |
| | | 78 | -8.61 | 0.14 | None | | PASS |

Test Graphs

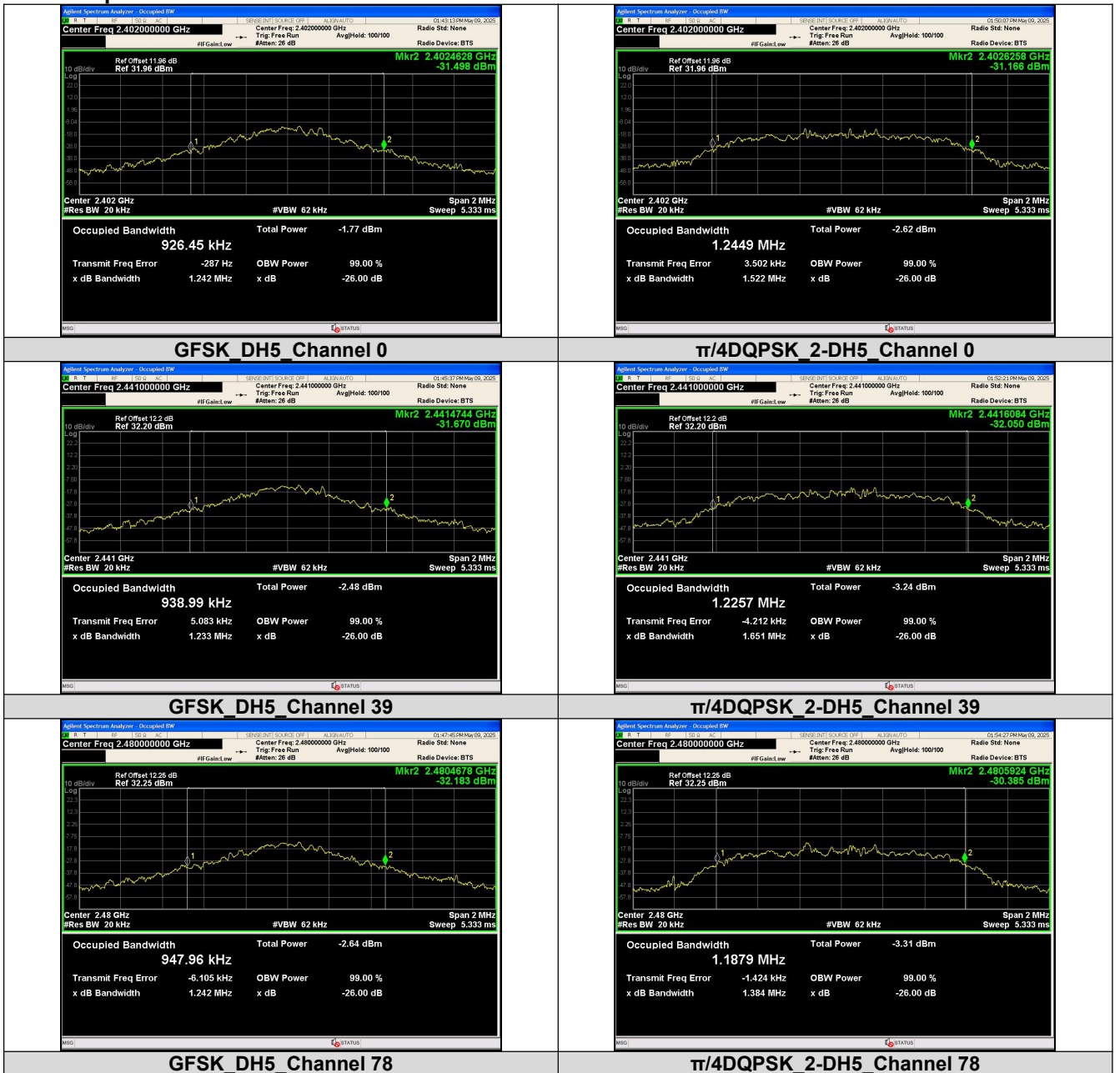


APPENDIX V. 99% Bandwidth

Test Result

| Modulation | Channel | Center Frequency (MHz) | 99% BW (MHz) |
|---------------|---------|------------------------|--------------|
| GFSK | 0 | 2402 | 0.92645 |
| | 39 | 2441 | 0.93899 |
| | 78 | 2480 | 0.94796 |
| $\pi/4$ DQPSK | 0 | 2402 | 1.2449 |
| | 39 | 2441 | 1.2257 |
| | 78 | 2480 | 1.1879 |

Test Graphs

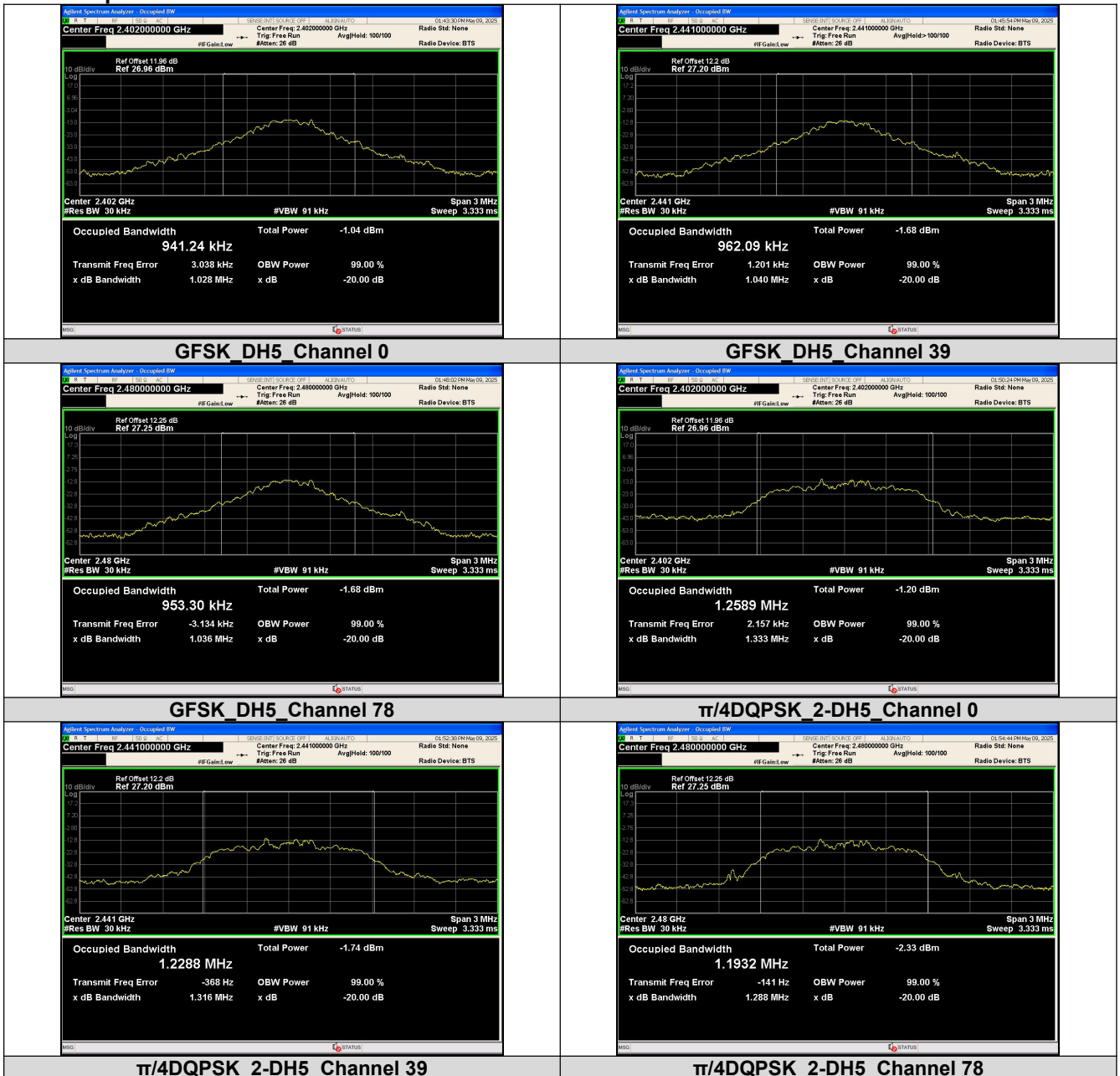


APPENDIX VI. 20dB Bandwidth

Test Result

| Modulation | Channel | Center Frequency (MHz) | 20 dB Bandwidth (MHz) |
|---------------|---------|------------------------|-----------------------|
| GFSK | 0 | 2402 MHz | 1.028 |
| | 39 | 2441 MHz | 1.040 |
| | 78 | 2480 MHz | 1.036 |
| $\pi/4$ DQPSK | 0 | 2402 MHz | 1.333 |
| | 39 | 2441 MHz | 1.316 |
| | 78 | 2480 MHz | 1.288 |

Test Graphs

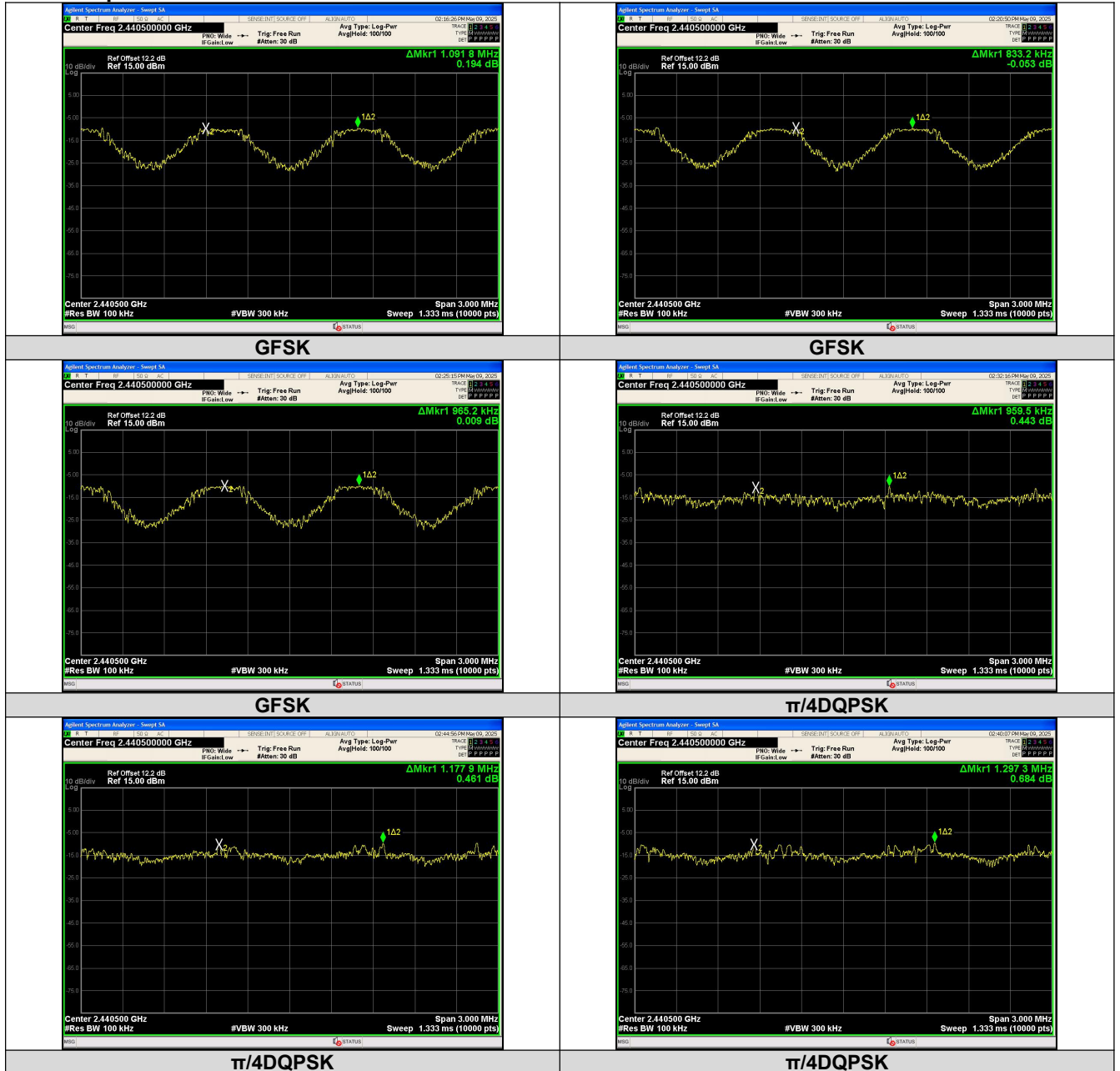


APPENDIX VII. Carrier Frequencies Separation

Test Result

| Modulation | Packet | Left Center frequency (MHz) | Right Center frequency (MHz) | Hopping Frequency Separation (MHz) | Limit (MHz) | Result |
|---------------|--------|-----------------------------|------------------------------|------------------------------------|-------------|--------|
| GFSK | DH5 | 2439.8968 | 2440.9886 | 1.0918 | 0.693 | PASS |
| GFSK | DH5 | 2440.1602 | 2440.9934 | 0.8332 | 0.693 | PASS |
| GFSK | DH5 | 2440.0327 | 2440.9979 | 0.9652 | 0.693 | PASS |
| $\pi/4$ DQPSK | 2-DH5 | 2439.8701 | 2440.8296 | 0.9595 | 0.889 | PASS |
| $\pi/4$ DQPSK | 2-DH5 | 2439.9925 | 2441.1704 | 1.1779 | 0.889 | PASS |
| $\pi/4$ DQPSK | 2-DH5 | 2439.8578 | 2441.1551 | 1.2973 | 0.889 | 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 | 2397.89 | -49.977 | -30.23 | -19.747 | PASS |
| | | | 2400.00 | -52.792 | -30.23 | -22.562 | PASS |
| | | | 4803.80 | -51.719 | -30.23 | -21.489 | PASS |
| | | | 7205.90 | -53.986 | -30.23 | -23.756 | PASS |
| | | | 9608.10 | -38.174 | -30.23 | -7.944 | PASS |
| | | 39 | 4881.79 | -53.166 | -34.41 | -18.756 | PASS |
| | | | 7322.67 | -55.973 | -34.41 | -21.563 | PASS |
| | | | 9764.17 | -38.669 | -34.41 | -4.259 | PASS |
| | | 78 | 2483.50 | -50.319 | -34.6 | -15.719 | PASS |
| | | | 4959.83 | -58.027 | -34.6 | -23.427 | PASS |
| | | | 7440.03 | -55.477 | -34.6 | -20.877 | PASS |
| | | | 9920.24 | -37.537 | -34.6 | -2.937 | PASS |
| π /4DQPSK | 2-DH5 | 0 | 2397.66 | -50.750 | -33.62 | -17.130 | PASS |
| | | | 2400.00 | -53.194 | -33.62 | -19.574 | PASS |
| | | | 4803.80 | -55.582 | -33.62 | -21.962 | PASS |
| | | | 7205.90 | -59.138 | -33.62 | -25.518 | PASS |
| | | | 9608.10 | -38.958 | -33.62 | -5.338 | PASS |
| | | 39 | 4881.79 | -57.445 | -34.28 | -23.165 | PASS |
| | | | 7323.30 | -59.185 | -34.28 | -24.905 | PASS |
| | | | 9764.17 | -38.554 | -34.28 | -4.274 | PASS |
| | | 78 | 2483.50 | -51.813 | -35.02 | -16.793 | PASS |
| | | | 4959.83 | -60.012 | -35.02 | -24.992 | PASS |
| | | | 7440.03 | -57.092 | -35.02 | -22.072 | PASS |
| | | | 9920.24 | -37.715 | -35.02 | -2.695 | PASS |

Hopping

| Modulation | Packet | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|------------|---------|---------|------------------------------|--------------------------|-------------|-----------------|---------|
| GFSK | DH5 | Hopping | 2398.37 | -49.942 | -28.75 | -21.192 | PASS |
| | | | 2400.00 | -51.903 | -28.75 | -23.153 | PASS |
| | | | 2483.50 | -50.761 | -29.29 | -21.471 | PASS |
| | | | 2396.32 | -50.230 | -28.78 | -21.450 | PASS |
| | | | 2400.00 | -50.783 | -28.78 | -22.003 | PASS |
| | | | 2483.50 | -51.181 | -29.35 | -21.831 | PASS |
| | | | 2396.02 | -50.030 | -28.79 | -21.240 | PASS |
| | | | 2400.00 | -52.134 | -28.79 | -23.344 | PASS |
| | | | 2483.50 | -51.223 | -29.36 | -21.863 | PASS |
| | | | π /4DQPSK | 2-DH5 | Hopping | 2396.09 | -50.105 |
| 2400.00 | -51.982 | -28.85 | | | | -23.132 | PASS |
| 2483.50 | -50.812 | -30.49 | | | | -20.322 | PASS |
| 2396.88 | -49.182 | -28.89 | | | | -20.292 | PASS |
| 2400.00 | -51.404 | -28.89 | | | | -22.514 | PASS |
| 2483.50 | -51.229 | -30.14 | | | | -21.089 | PASS |
| 2398.53 | -50.086 | -29.62 | | | | -20.466 | PASS |
| 2400.00 | -51.053 | -29.62 | | | | -21.433 | PASS |
| 2483.50 | -50.871 | -29.77 | -21.101 | PASS | | | |

Test Graphs