



## Duty Cycle

### Test Result

| Mode    | Channel | On Time (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle (linear) | Duty Cycle Factor (dB) | 1/T    |
|---------|---------|--------------|-------------|----------------|---------------------|------------------------|--------|
| GFSK 1M | 0       | 0.412        | 0.625       | 65.90          | 0.6590              | 1.8111                 | 2.4272 |
|         | 19      | 0.412        | 0.625       | 65.90          | 0.6590              | 1.8111                 | 2.4272 |
|         | 39      | 0.412        | 0.625       | 65.96          | 0.6596              | 1.8072                 | 2.4272 |
| GFSK 2M | 0       | 0.228        | 0.625       | 36.48          | 0.3648              | 4.3795                 | 4.3860 |
|         | 19      | 0.228        | 0.625       | 36.50          | 0.3650              | 4.3771                 | 4.3860 |
|         | 39      | 0.228        | 0.625       | 36.50          | 0.3650              | 4.3771                 | 4.3860 |

### Test Graphs

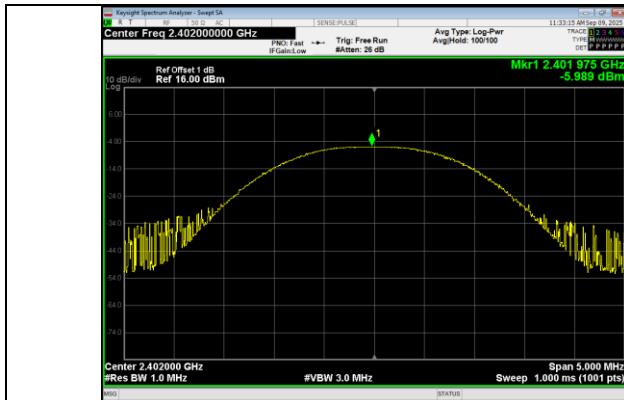


## Conducted Output Power

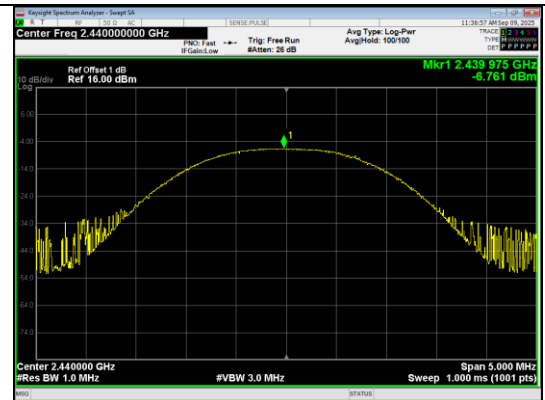
### Test Result

| Mode    | Channel | Peak Output Power (dBm) | Limit (dBm) | Result |
|---------|---------|-------------------------|-------------|--------|
| GFSK 1M | 0       | -5.99                   | ≤30         | PASS   |
|         | 19      | -6.76                   | ≤30         | PASS   |
|         | 39      | -7.38                   | ≤30         | PASS   |
| GFSK 2M | 0       | -5.78                   | ≤30         | PASS   |
|         | 19      | -6.62                   | ≤30         | PASS   |
|         | 39      | -7.23                   | ≤30         | PASS   |

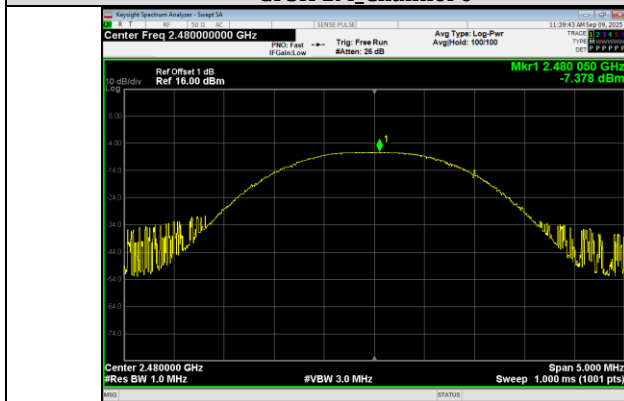
### Test Graphs



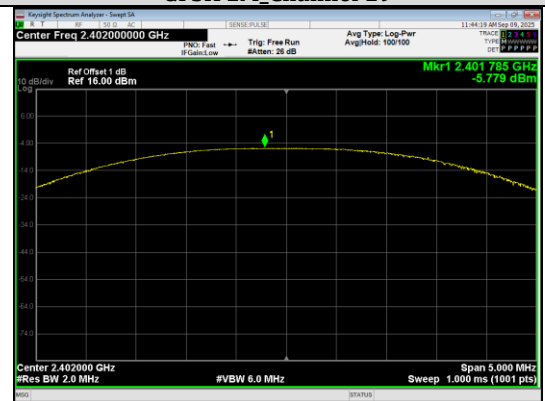
Peak Output Power  
GFSK 1M\_Channel 0



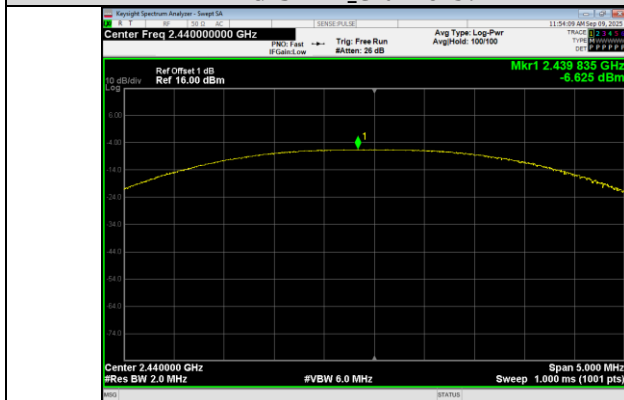
Peak Output Power  
GFSK 1M\_Channel 19



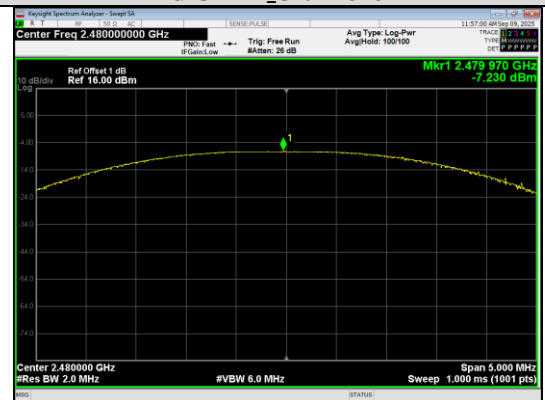
Peak Output Power  
GFSK 1M\_Channel 39



Peak Output Power  
GFSK 2M\_Channel 0



Peak Output Power  
GFSK 2M\_Channel 19



Peak Output Power  
GFSK 2M\_Channel 39

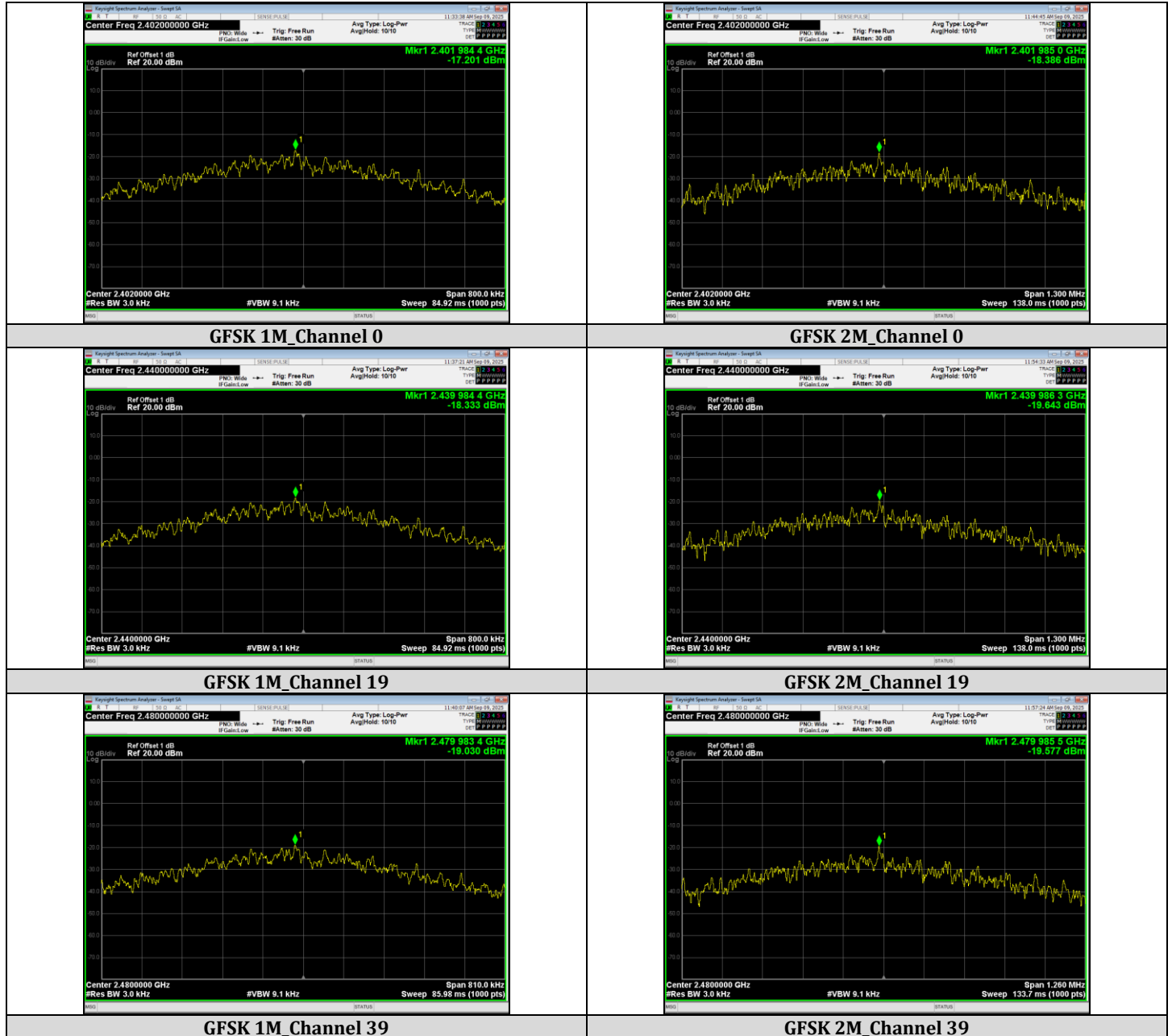


## Power Spectral Density

### Test Result

| Mode    | Channel | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|---------|---------|----------------|------------------|--------|
| GFSK 1M | 0       | -17.200        | $\leq 8$         | PASS   |
| GFSK 1M | 19      | -18.330        | $\leq 8$         | PASS   |
| GFSK 1M | 39      | -19.030        | $\leq 8$         | PASS   |
| GFSK 2M | 0       | -18.390        | $\leq 8$         | PASS   |
| GFSK 2M | 19      | -19.640        | $\leq 8$         | PASS   |
| GFSK 2M | 39      | -19.580        | $\leq 8$         | PASS   |

### Test Graphs

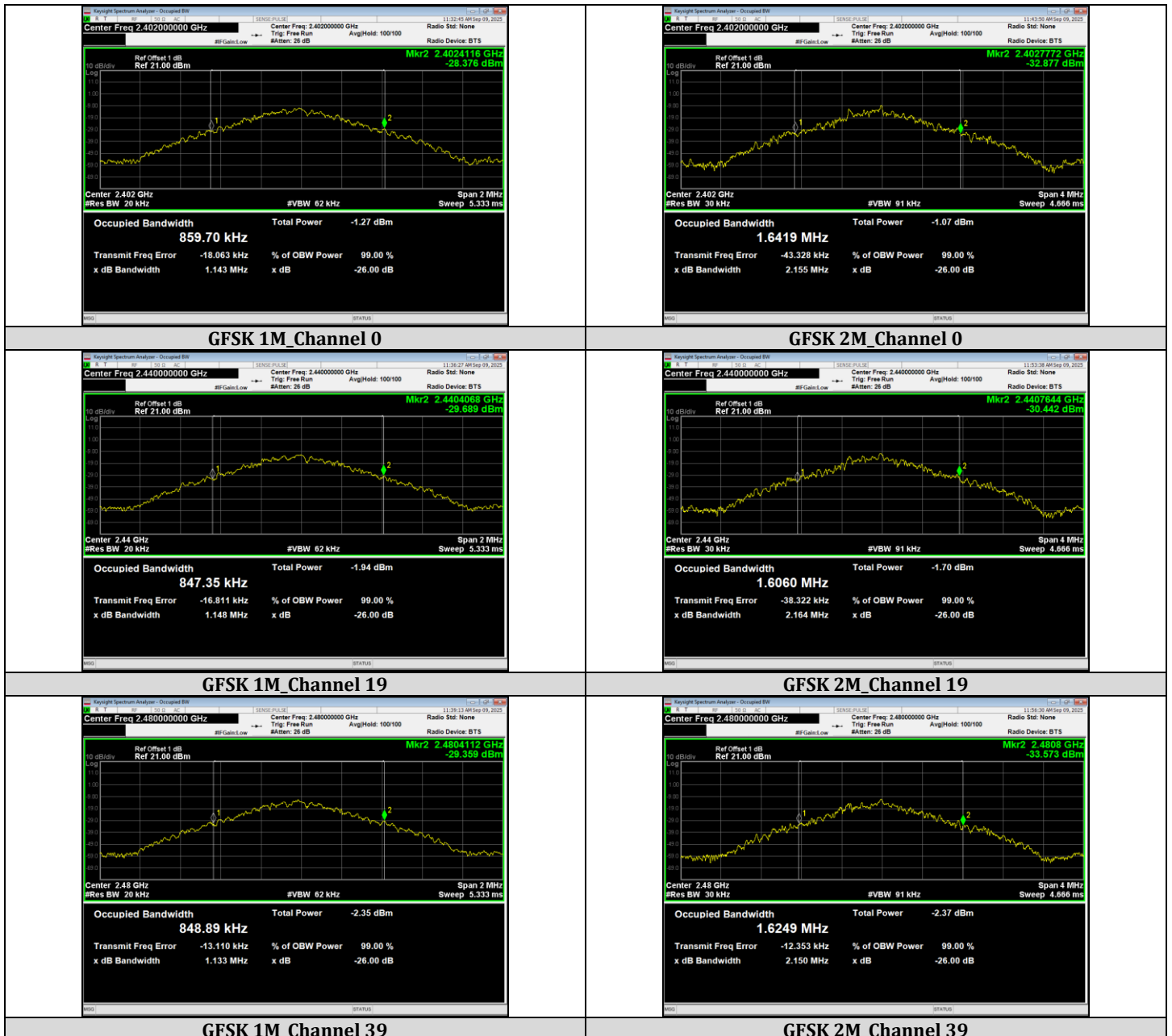


## 99% Bandwidth

### Test Result

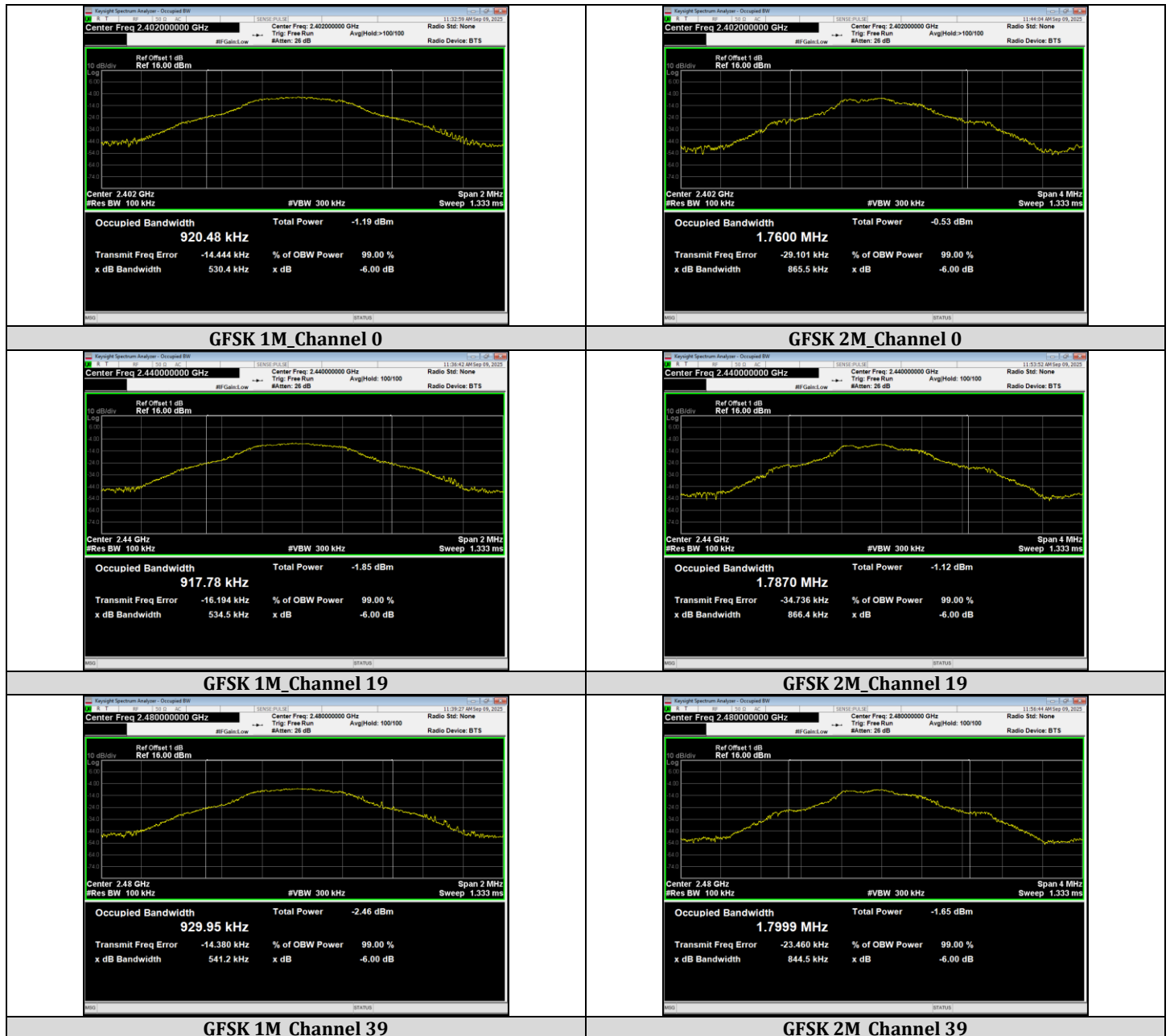
| Mode    | Channel | Center Frequency (MHz) | 99% BW (MHz) |
|---------|---------|------------------------|--------------|
| GFSK 1M | 0       | 2402                   | 0.85970      |
| GFSK 1M | 19      | 2440                   | 0.84735      |
| GFSK 1M | 39      | 2480                   | 0.84889      |
| GFSK 2M | 0       | 2402                   | 1.6419       |
| GFSK 2M | 19      | 2440                   | 1.6060       |
| GFSK 2M | 39      | 2480                   | 1.6249       |

### Test Graphs



**6dB Bandwidth****Test Result**

| Mode    | Channel | Center Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|---------|---------|------------------------|----------------------|-------------|--------|
| GFSK 1M | 0       | 2402                   | 0.5300               | ≥0.5        | PASS   |
|         | 19      | 2440                   | 0.5300               |             | PASS   |
|         | 39      | 2480                   | 0.5400               |             | PASS   |
| GFSK 2M | 0       | 2402                   | 0.8700               |             | PASS   |
|         | 19      | 2440                   | 0.8700               |             | PASS   |
|         | 39      | 2480                   | 0.8400               |             | PASS   |

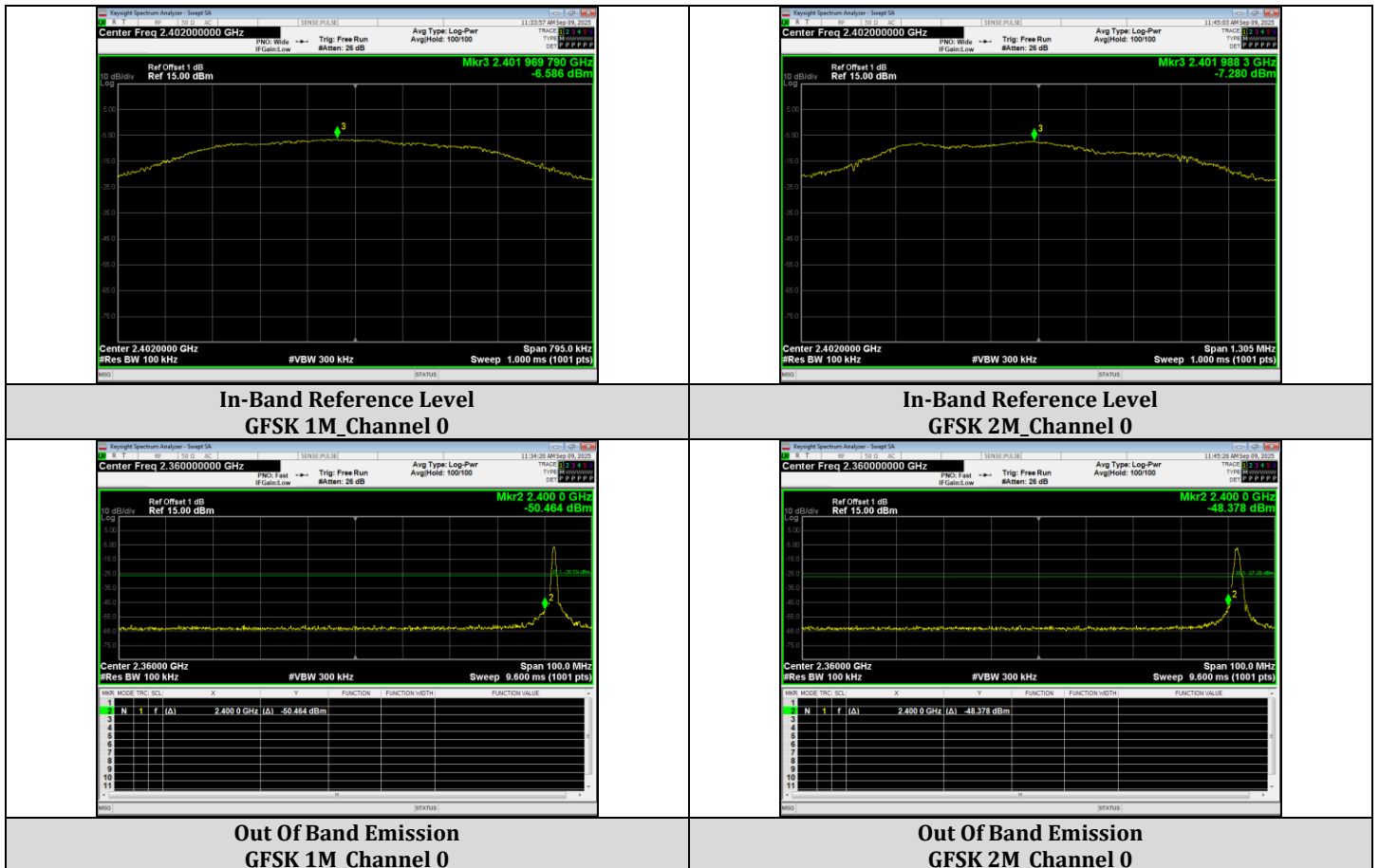
**Test Graphs**

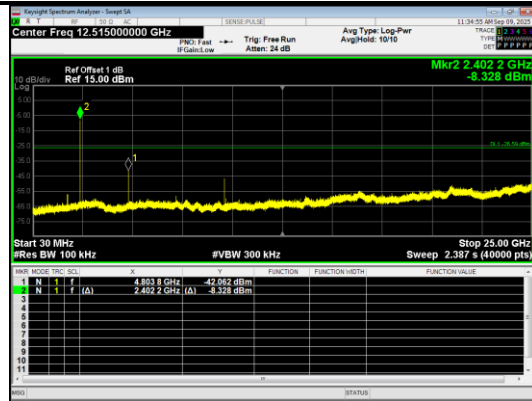
## Conducted Out Of Band Emission

### Test Result

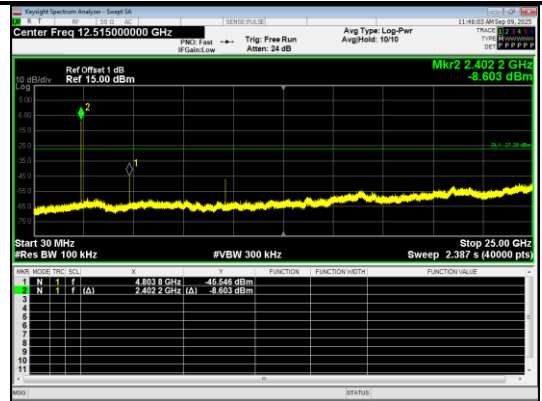
| Mode    | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| GFSK 1M | 0       | 2400.00                      | -50.460                  | -26.59      | -23.870         | PASS   |
|         |         | 4803.76                      | -42.062                  | -26.59      | -15.472         | PASS   |
|         | 19      | 4879.92                      | -42.787                  | -27.35      | -15.437         | PASS   |
|         |         | 2483.50                      | -59.770                  | -28.03      | -31.740         | PASS   |
|         |         | 4959.83                      | -41.275                  | -28.03      | -13.245         | PASS   |
| GFSK 2M | 0       | 2400.00                      | -48.380                  | -27.28      | -21.100         | PASS   |
|         |         | 4803.76                      | -45.546                  | -27.28      | -18.266         | PASS   |
|         | 19      | 4879.92                      | -45.764                  | -28.03      | -17.734         | PASS   |
|         |         | 2483.50                      | -56.380                  | -28.63      | -27.750         | PASS   |
|         |         | 4959.83                      | -44.447                  | -28.63      | -15.817         | PASS   |

### Test Graphs

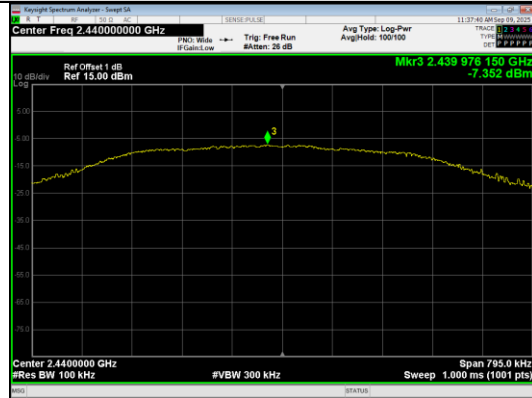




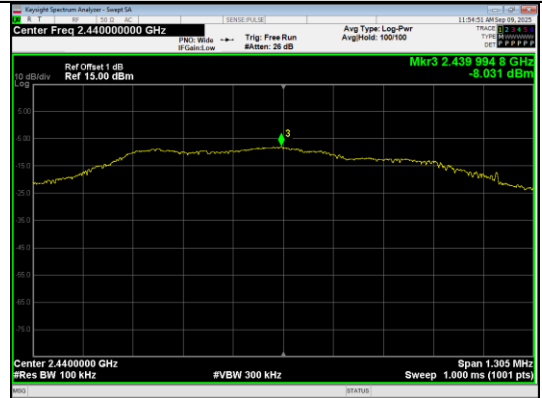
30.0 MHz - 25000.0 MHz  
GFSK 1M\_Channel 0



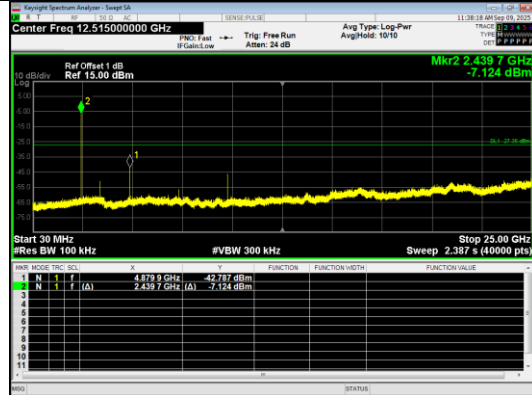
30.0 MHz - 25000.0 MHz  
GFSK 2M\_Channel 0



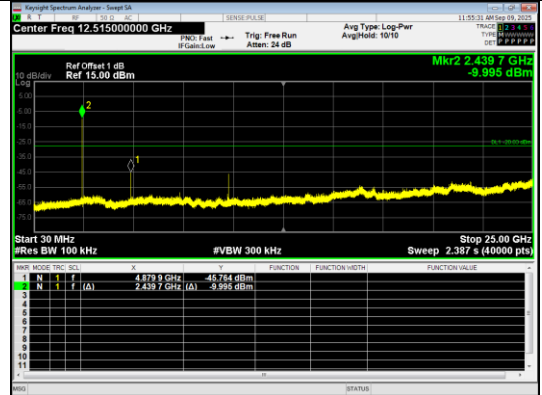
In-Band Reference Level  
GFSK 1M\_Channel 19



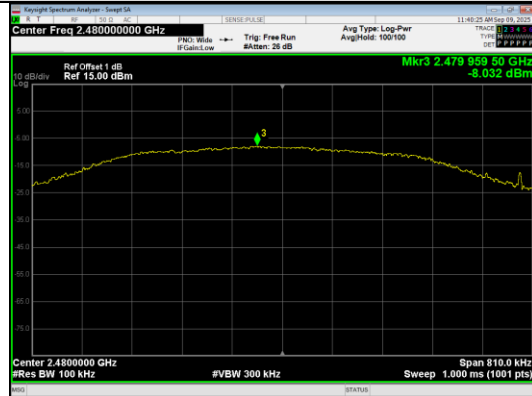
In-Band Reference Level  
GFSK 2M\_Channel 19



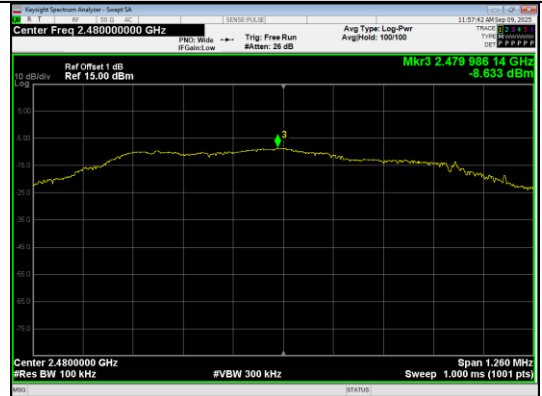
30.0 MHz - 25000.0 MHz  
GFSK 1M\_Channel 19



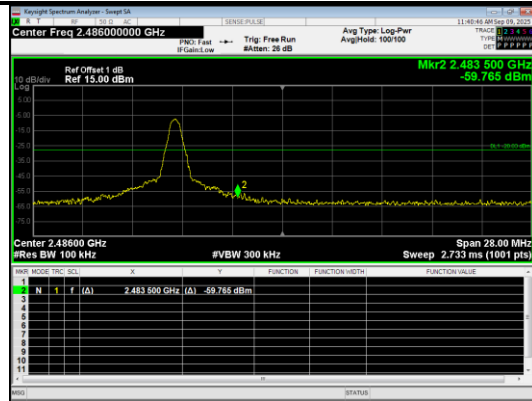
30.0 MHz - 25000.0 MHz  
GFSK 2M\_Channel 19



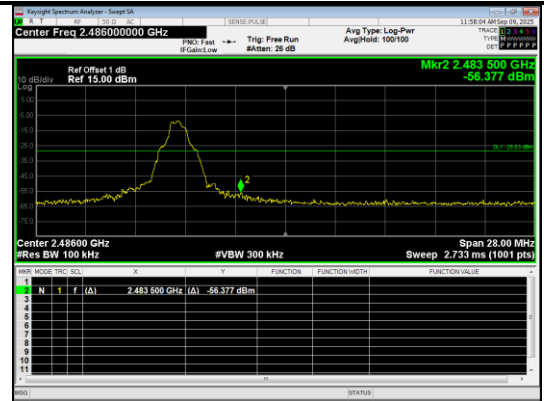
In-Band Reference Level  
GFSK 1M\_Channel 39



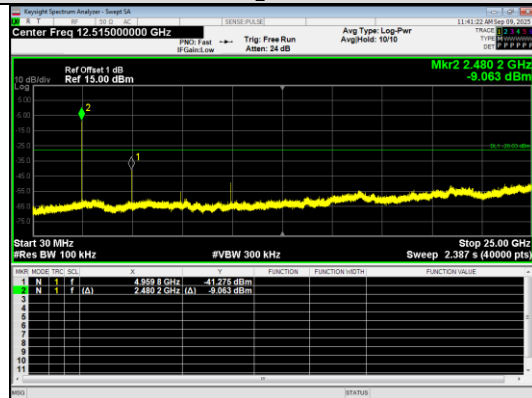
In-Band Reference Level  
GFSK 2M\_Channel 39



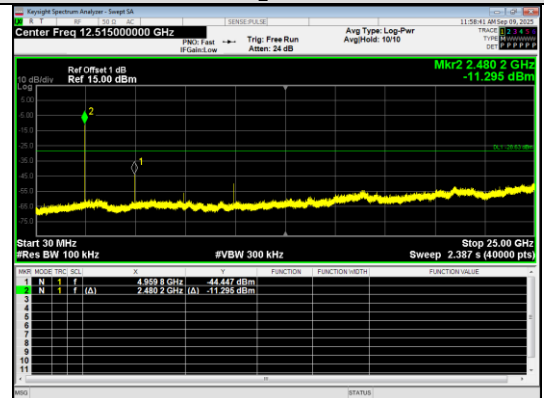
Out Of Band Emission  
GFSK 1M\_Channel 39



Out Of Band Emission  
GFSK 2M\_Channel 39



30.0 MHz - 25000.0 MHz  
GFSK 1M\_Channel 39



30.0 MHz - 25000.0 MHz  
GFSK 2M\_Channel 39

\*\*\*\*\* End of Report \*\*\*\*\*