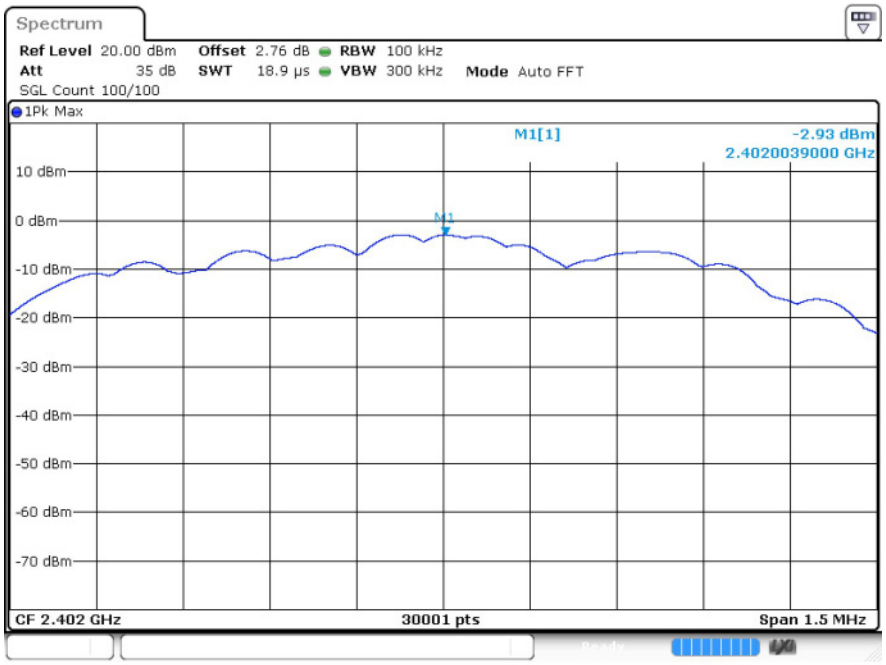
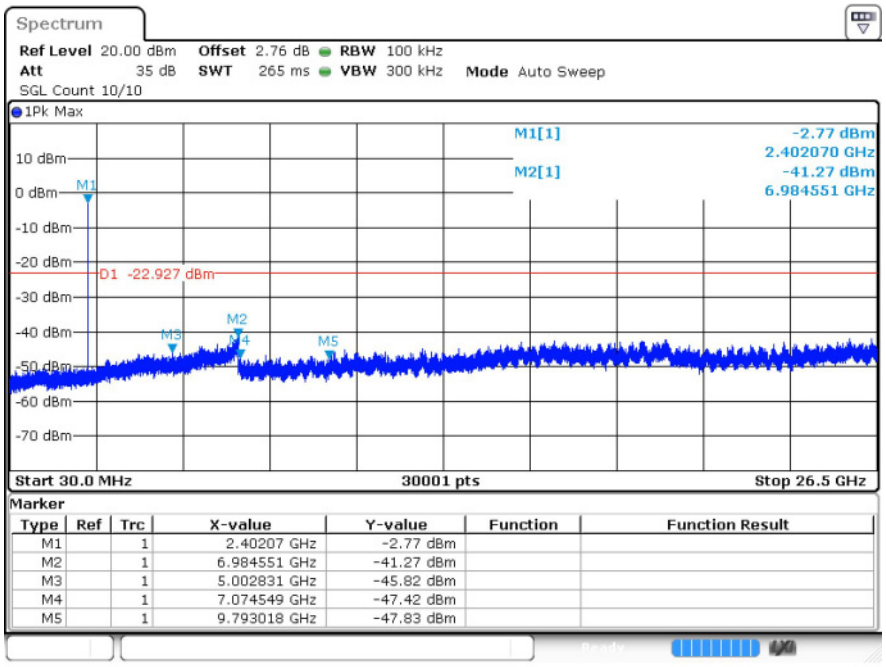
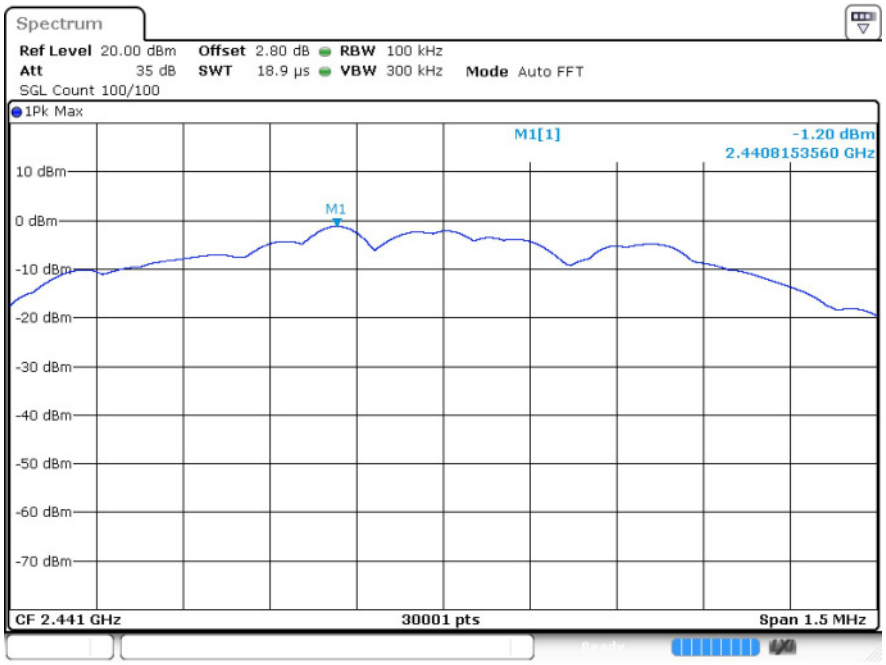
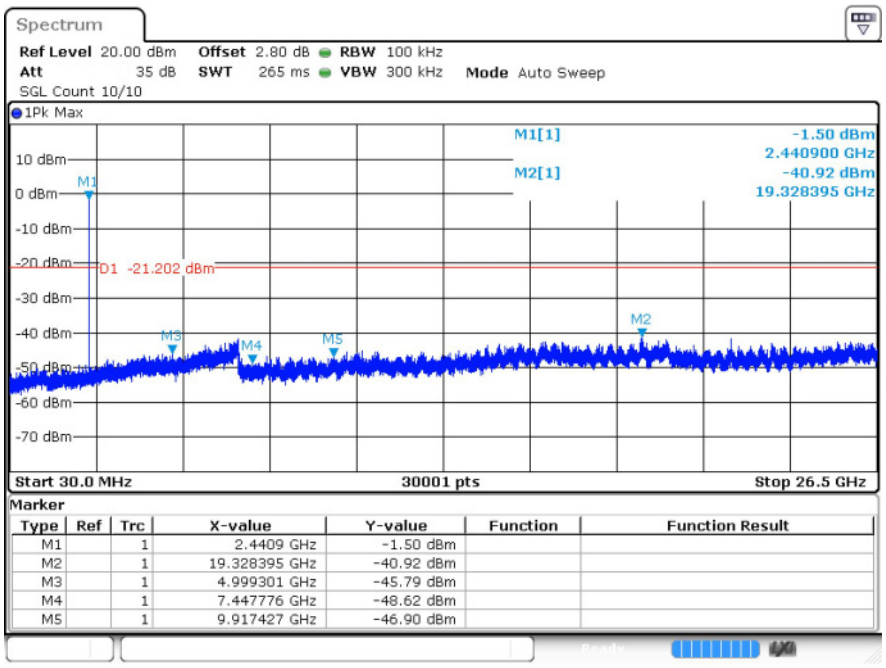
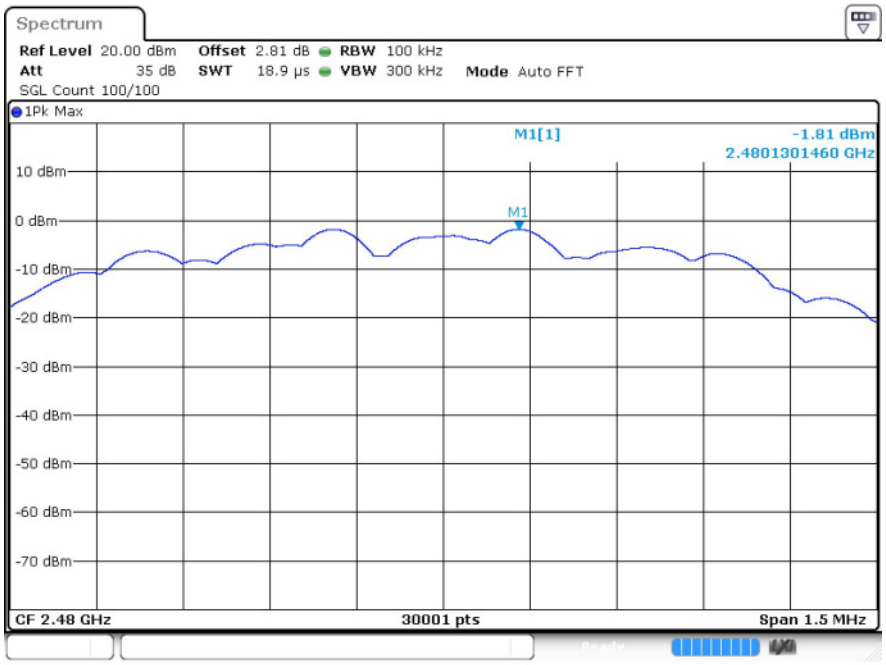
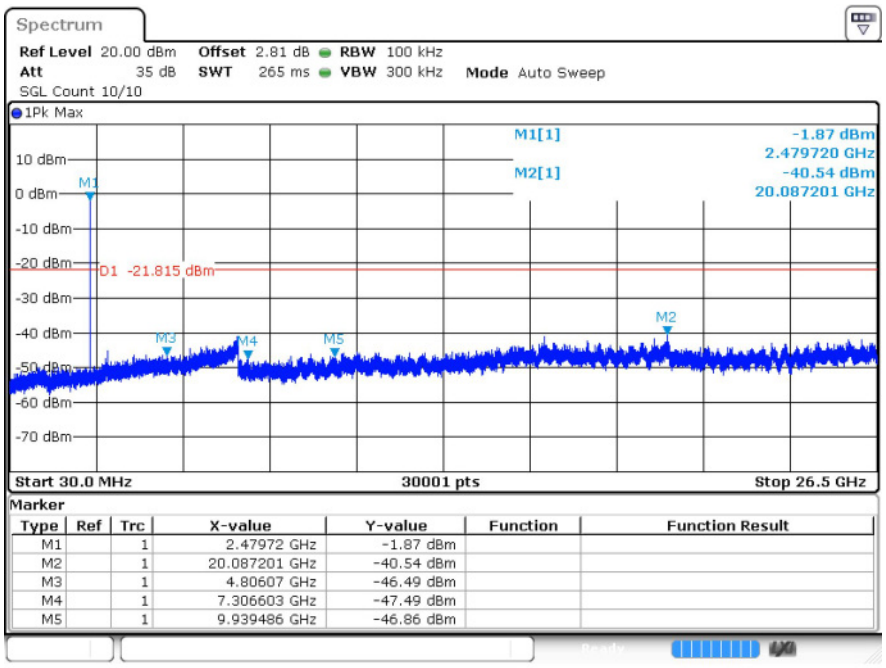
| 8DPSK_LCH_Graphs | |
|---|---|
| Pref |  |
| Puw |  |

| 8DPSK_MCH_Graphs | |
|---|---|
| Pref |  |
| Puw |  |

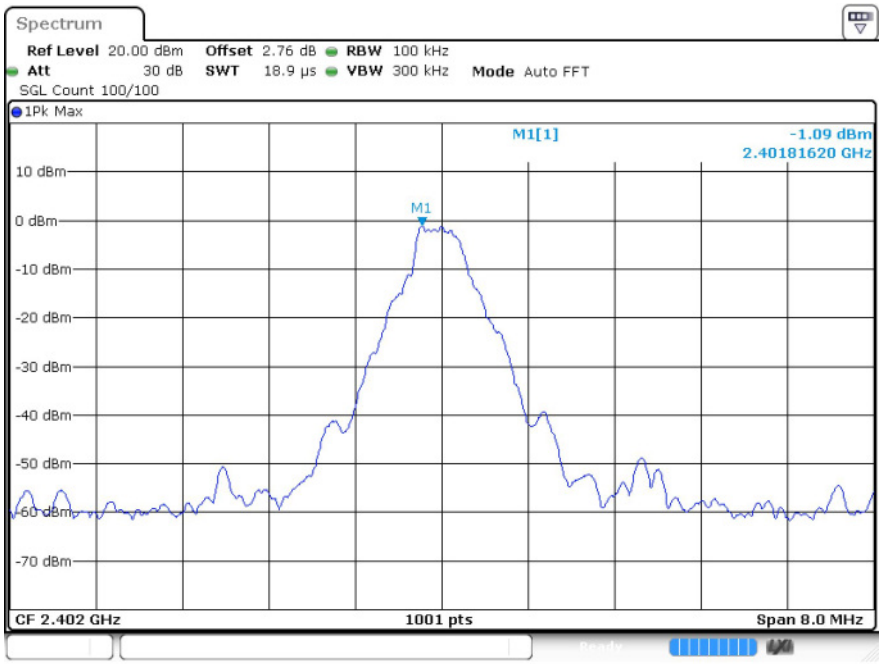
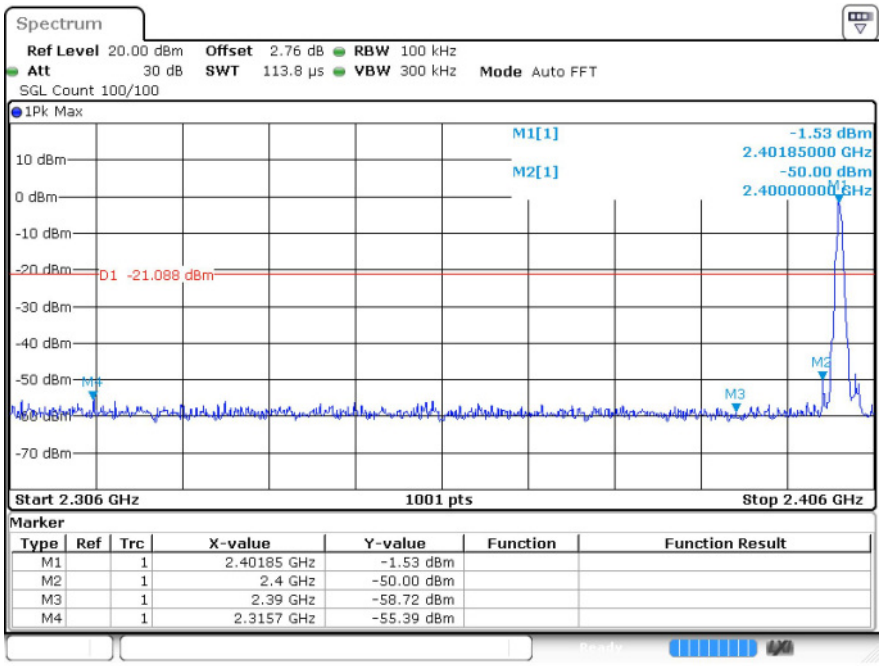
| 8DPSK_HCH_Graphs | |
|---|---|
| Pref |  |
| Puw |  |

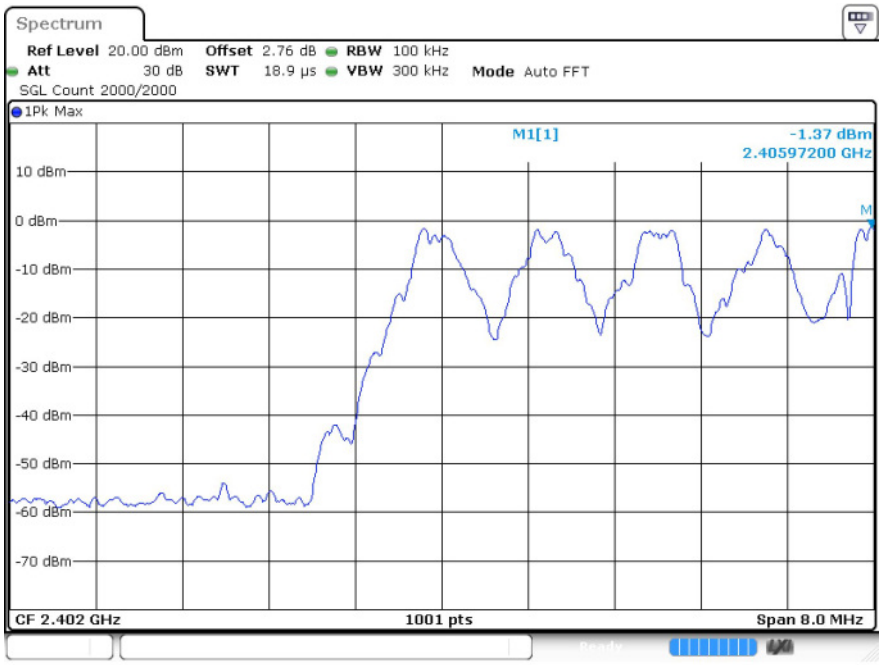
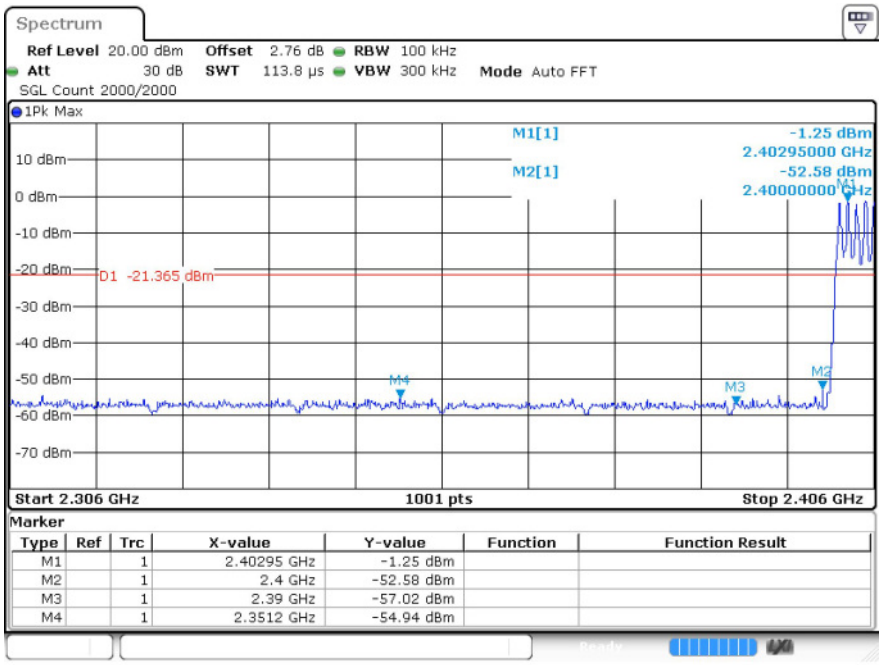
# 8 Band-edge for RF Conducted Emissions

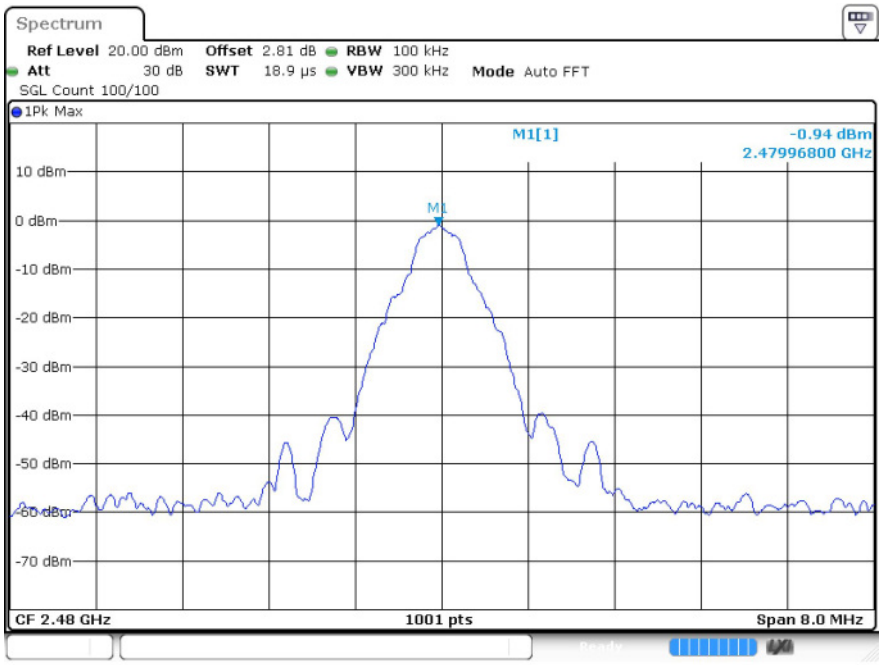
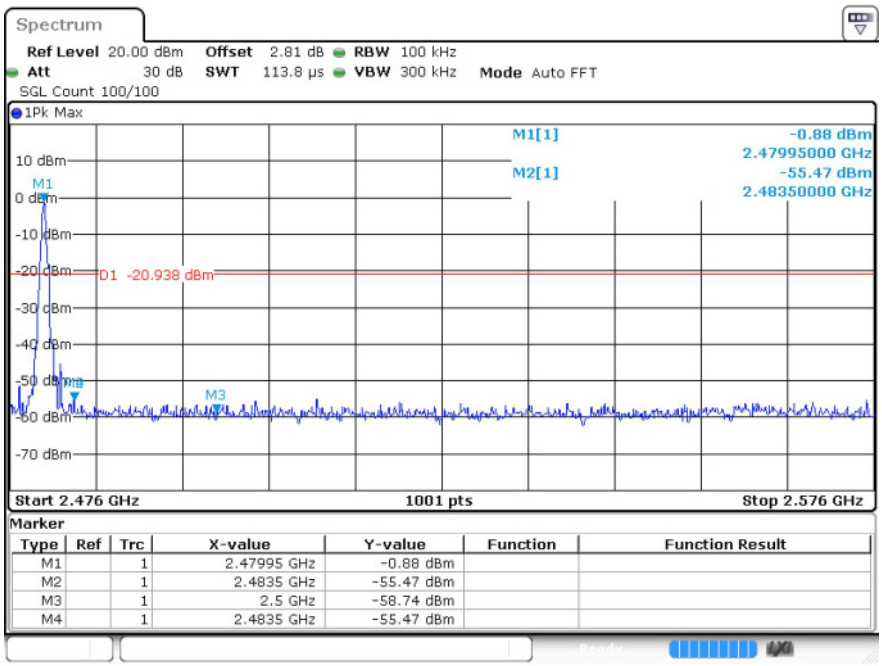
## 8.1 Test Result

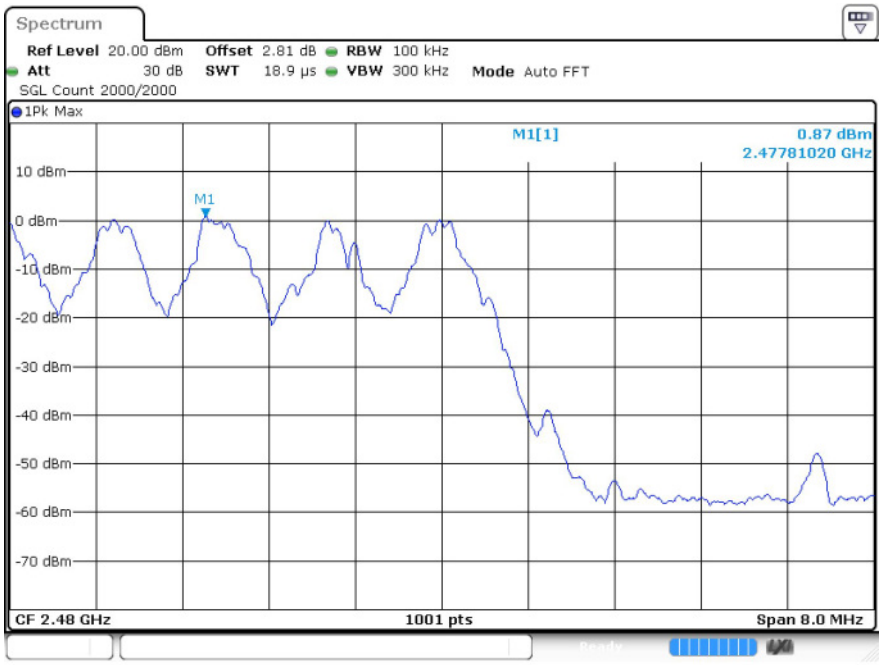
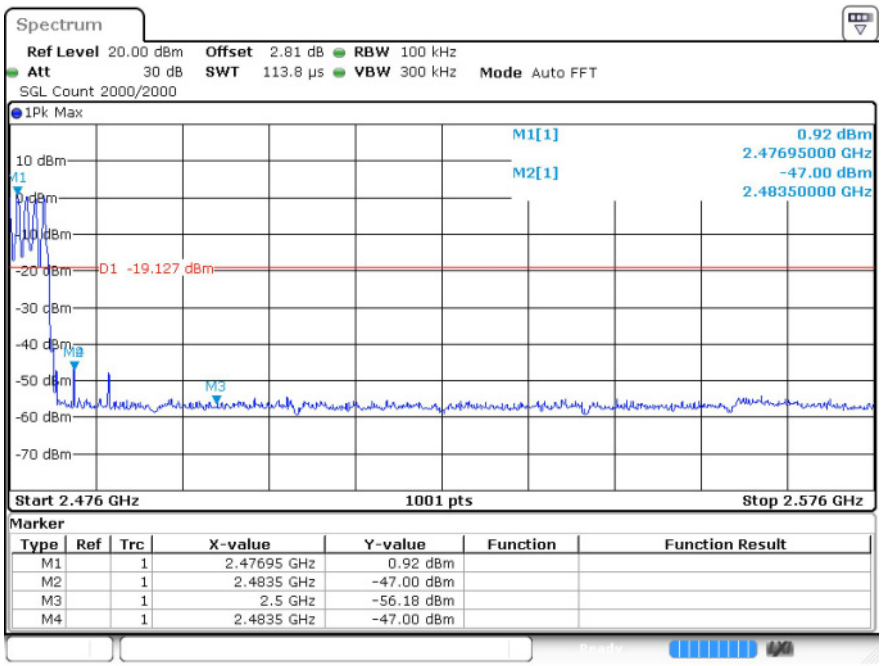
| Mode | Channel | Carrier Frequency [MHz] | Frequency Hopping | Max Spurious Level [dBc] | Limit [dBc] | Verdict |
|---|---|---|---|---|---|---|
| GFSK | LCH | 2402 | Off | -54.3 | -20 | Pass |
| | | | On | -53.57 | -20 | Pass |
| | HCH | 2480 | Off | -54.53 | -20 | Pass |
| | | | On | -47.87 | -20 | Pass |
| π/4DQPSK | LCH | 2402 | Off | -54.46 | -20 | Pass |
| | | | On | -52.27 | -20 | Pass |
| | HCH | 2480 | Off | -52.91 | -20 | Pass |
| | | | On | -47.16 | -20 | Pass |
| 8DPSK | LCH | 2402 | Off | -53.48 | -20 | Pass |
| | | | On | -51.93 | -20 | Pass |
| | HCH | 2480 | Off | -49.1 | -20 | Pass |
| | | | On | -44.94 | -20 | Pass |

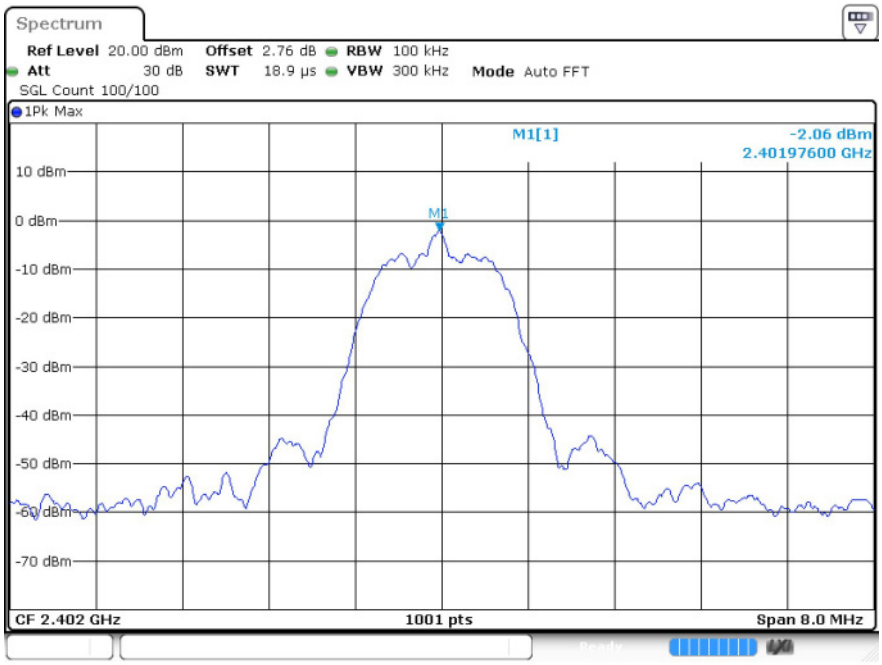
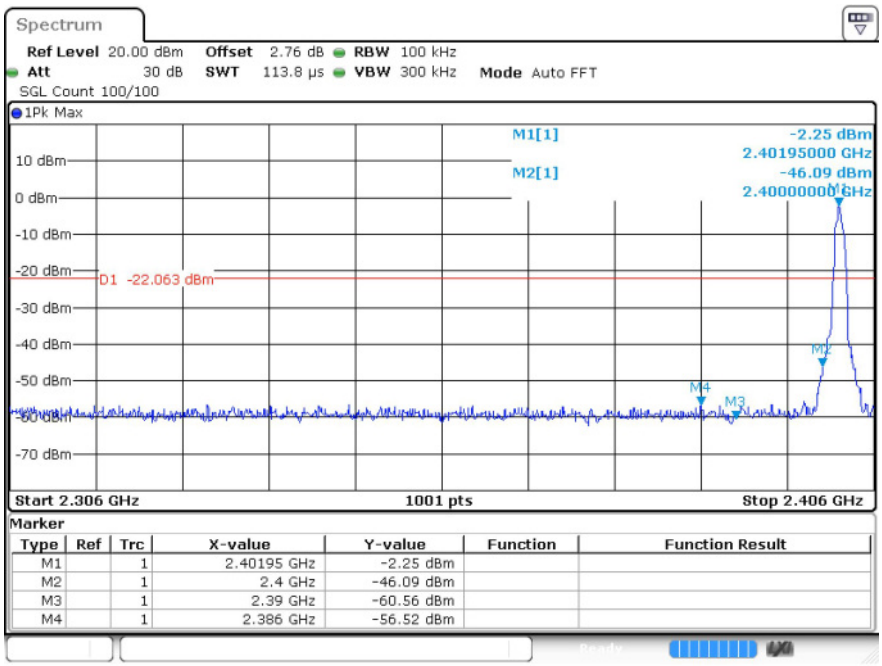
## 8.2 Test Graphs

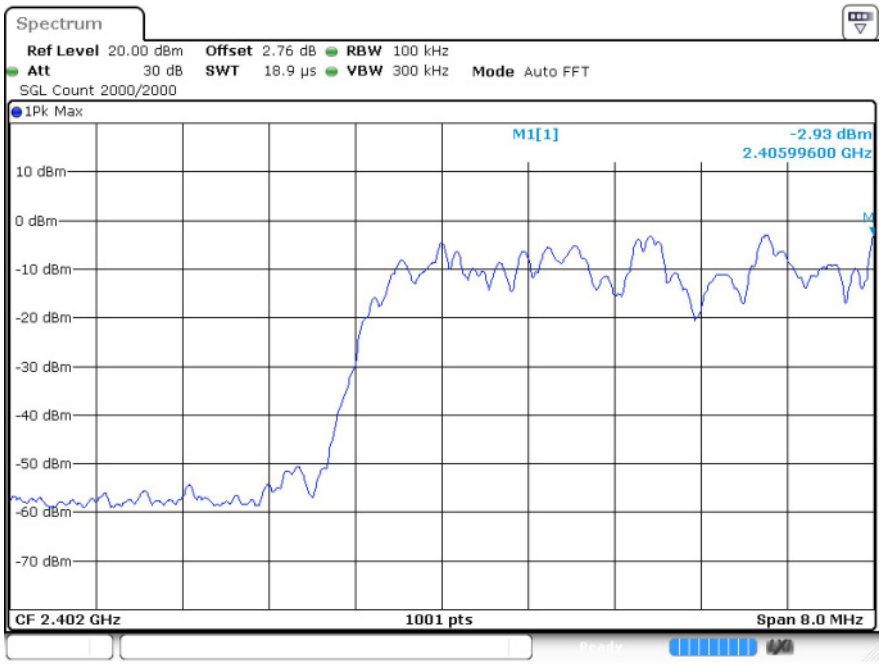
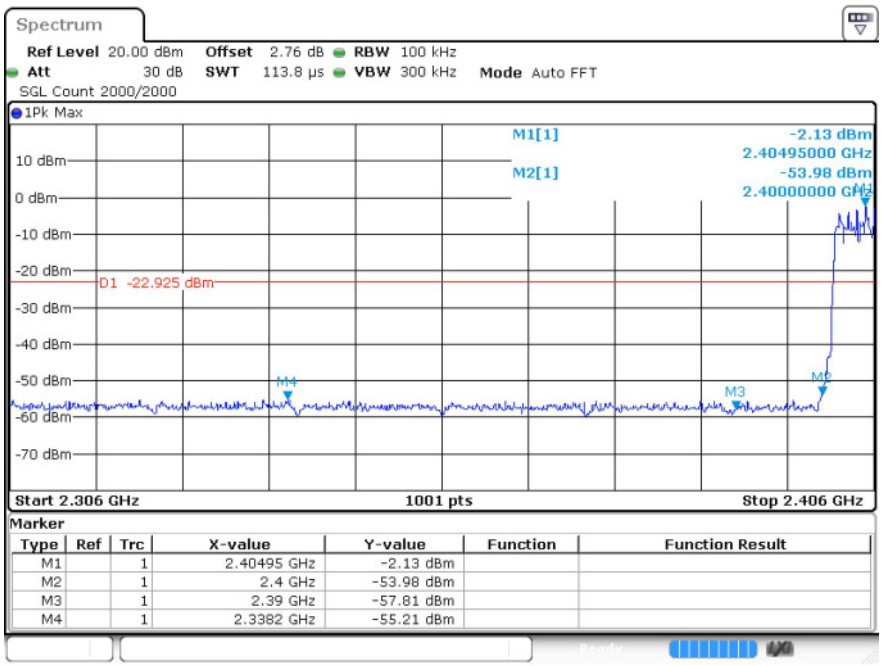
| Test Graphs | |
|---|---|
| Pref |  |
| GFSK/LCH/No Hop |  |

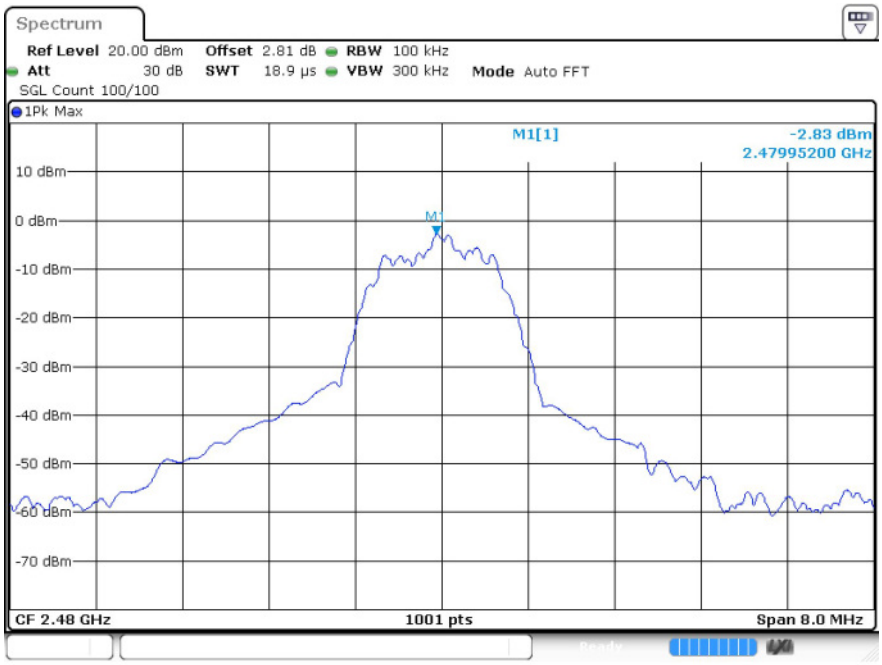
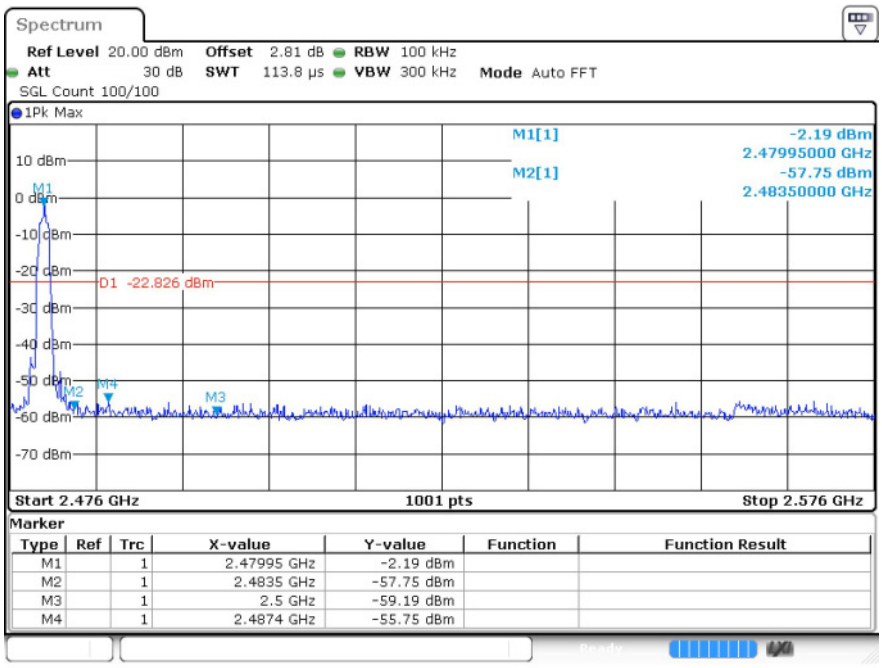
| | |
|---|---|
| Ref |  |
| GFSK/LCH/Hop |  |

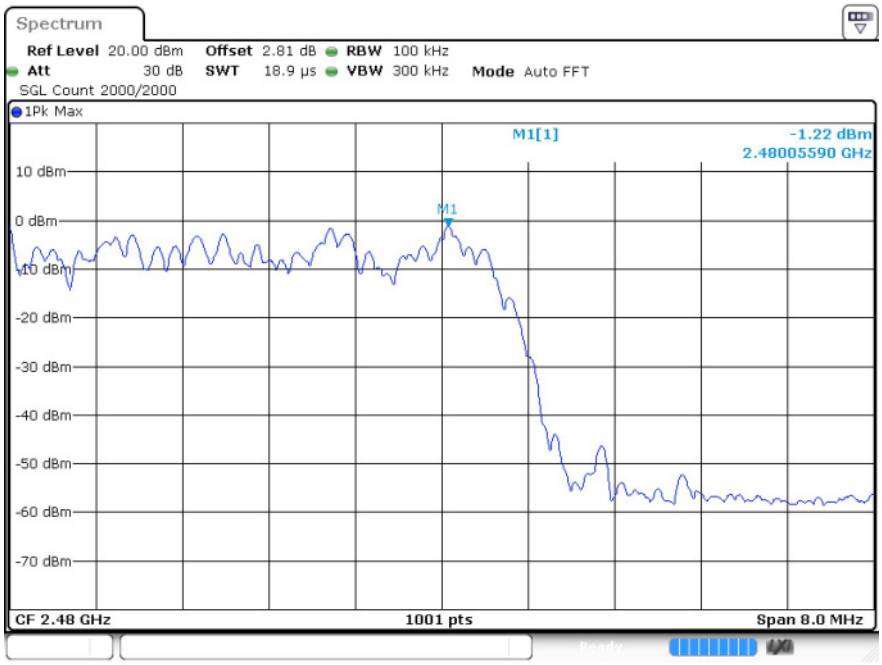
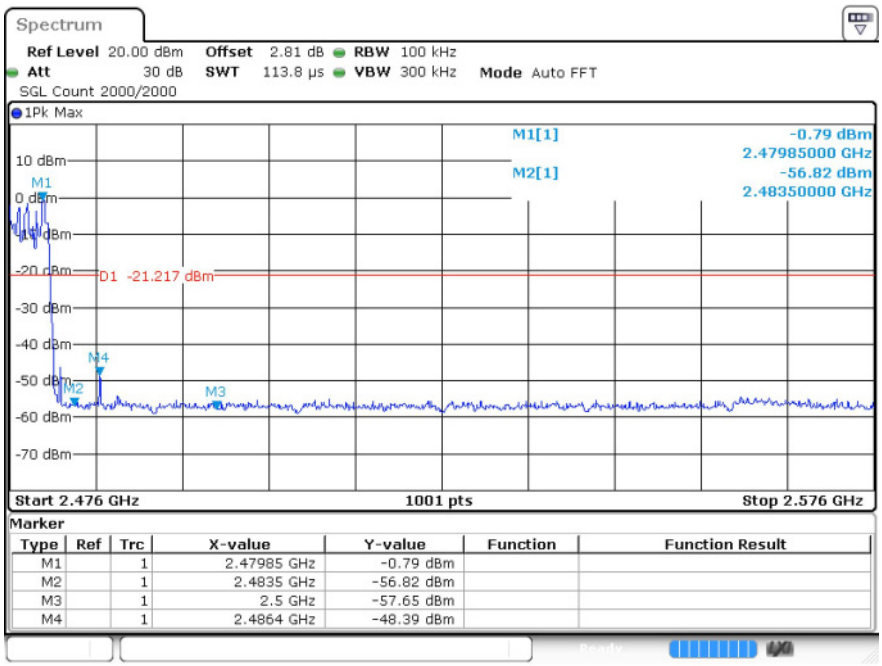
| | |
|---|---|
| Ref |  |
| GFSK/HCH/No Hop |  |

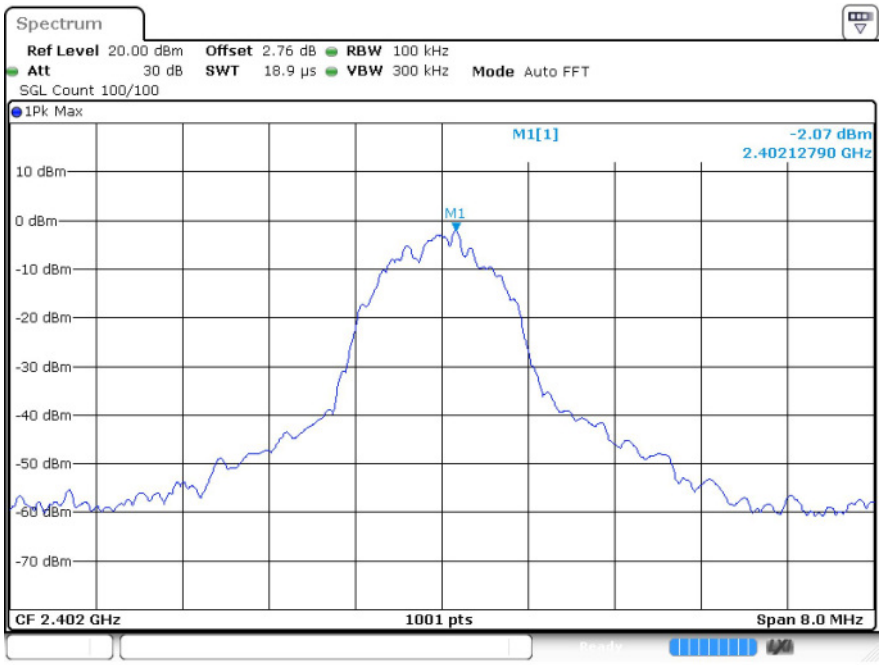
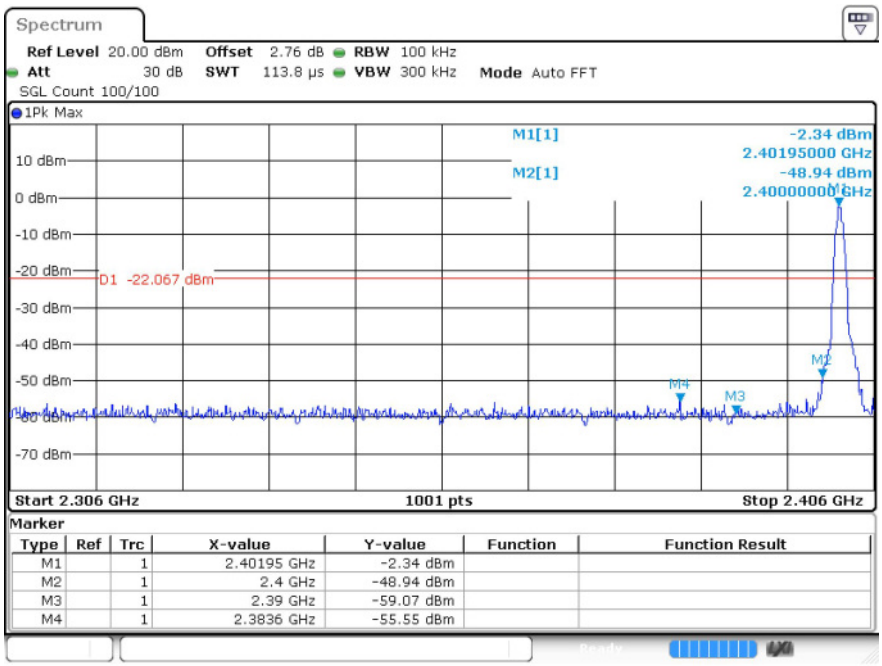
| | |
|---|---|
| Ref. |  |
| GFSK/HCH/Hop |  |

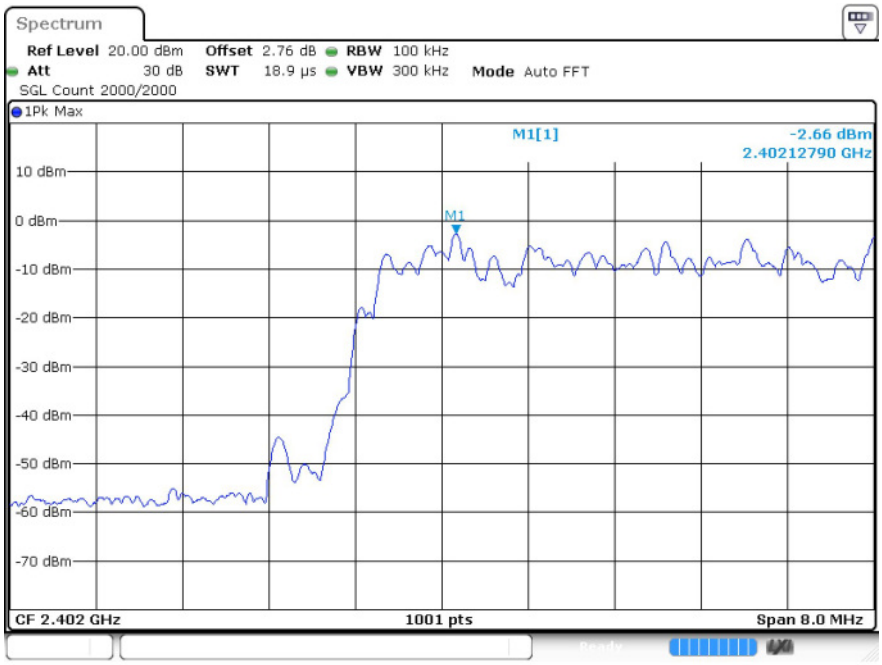
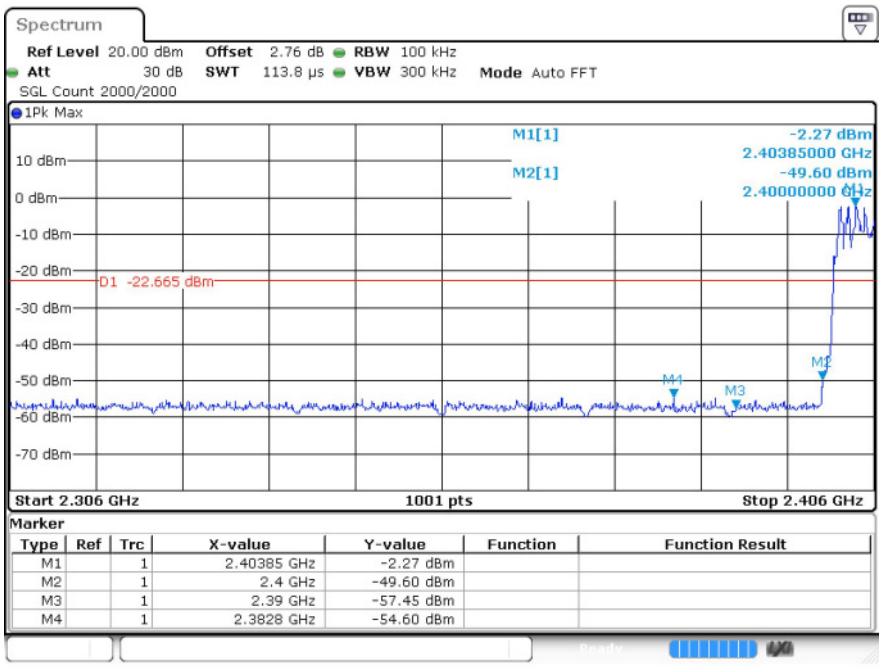
| | |
|---|---|
| Ref |  |
| π/4DQPSK/LCH/No Hop |  |

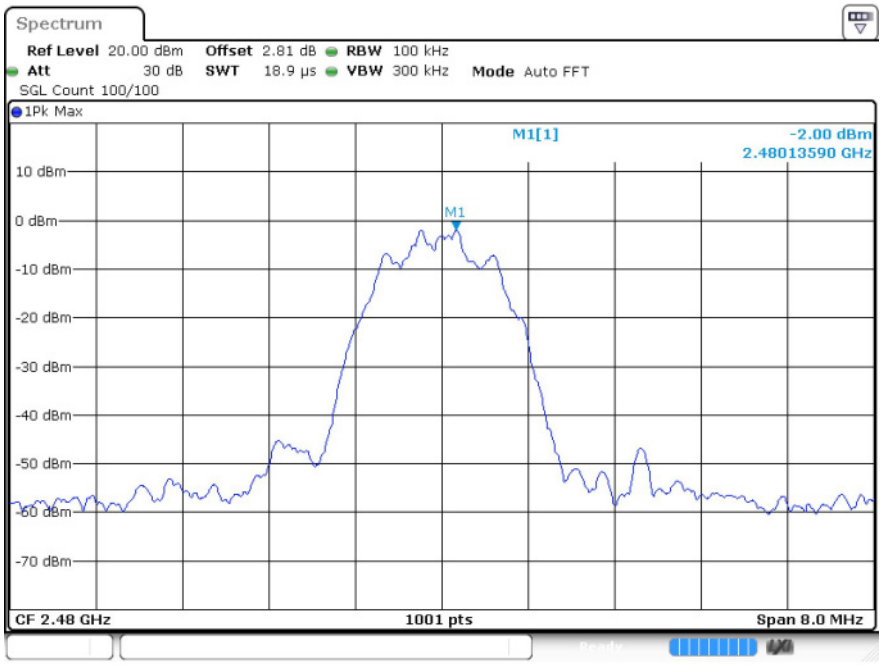
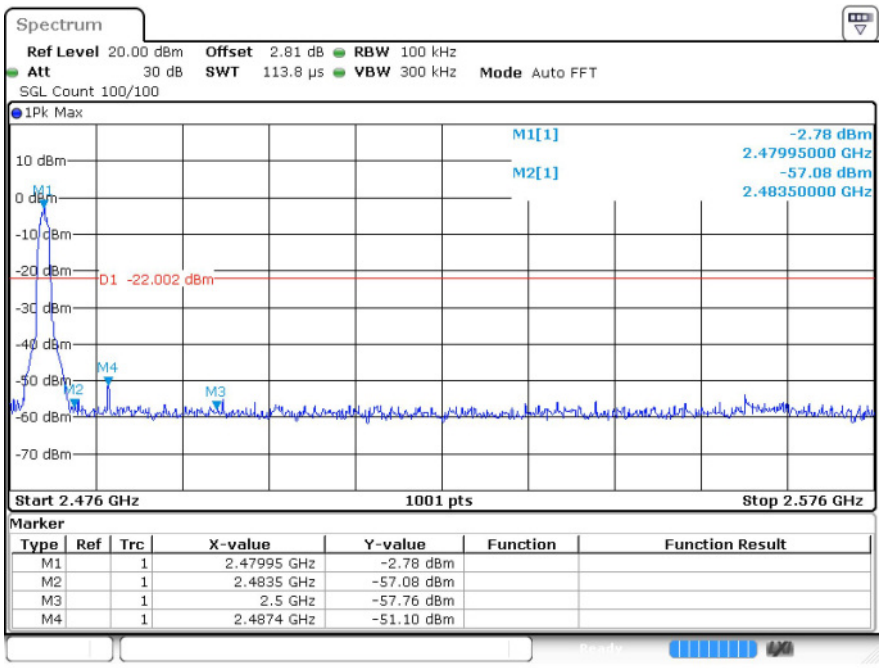
| | |
|---|---|
| Ref |  |
| π/4DQPSK/LCH/Hop |  |

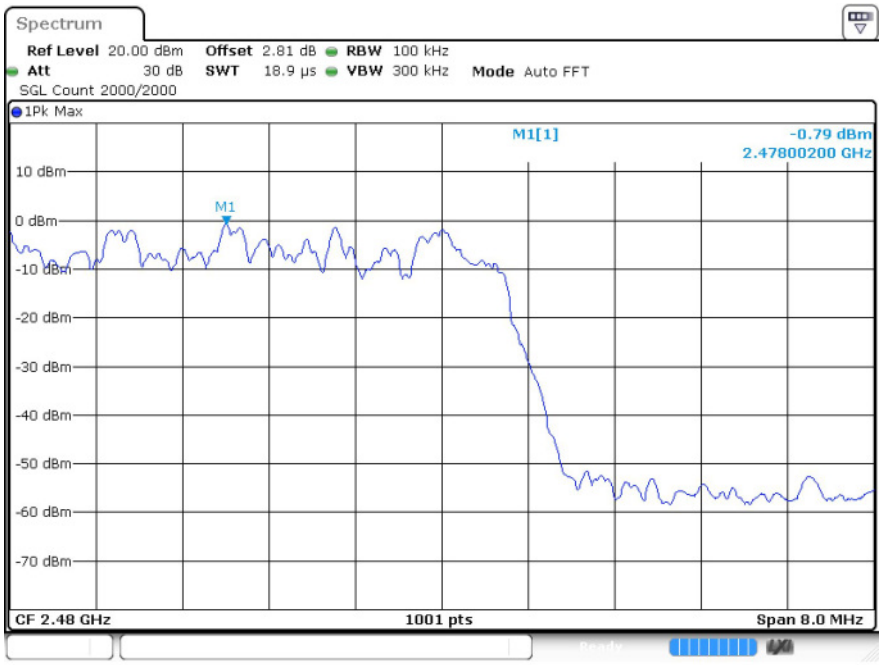
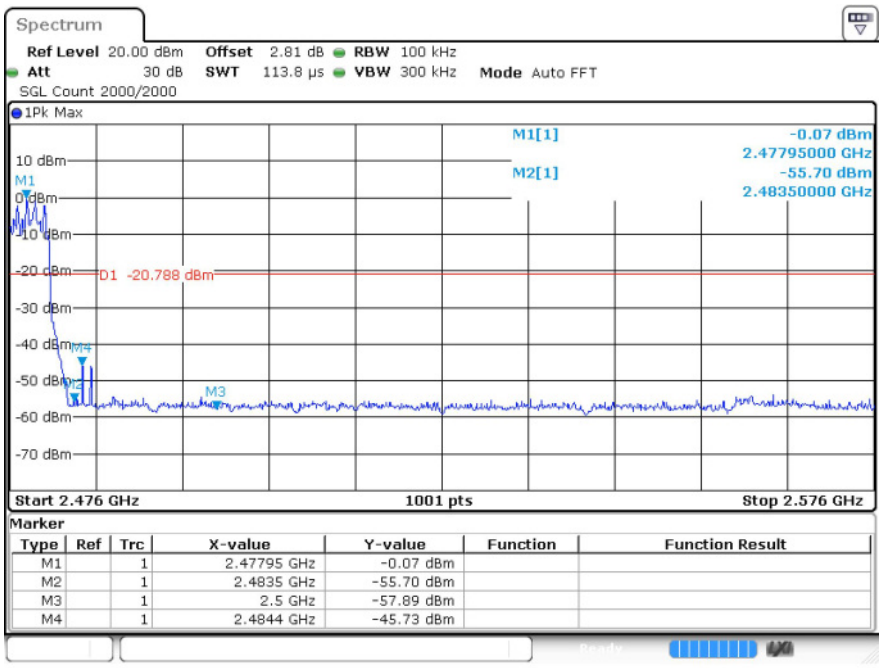
| | |
|---|---|
| Ref |  |
| π/4DQPSK/HCH/No Hop |  |

| | |
|---|---|
| Ref |  |
| π/4DQPSK/HCH/Hop |  |

| | |
|---|---|
| Ref |  |
| 8DPSK/LCH/No Hop |  |

| | |
|---|---|
| Ref |  |
| 8DPSK/LCH/Hop |  |

| | |
|---|---|
| Ref |  |
| 8DPSK/HCH/No Hop |  |

| | |
|---|---|
| Ref |  |
| 8DPSK/HCH/Hop |  |

# 9 Restrict-band band-edge measurements

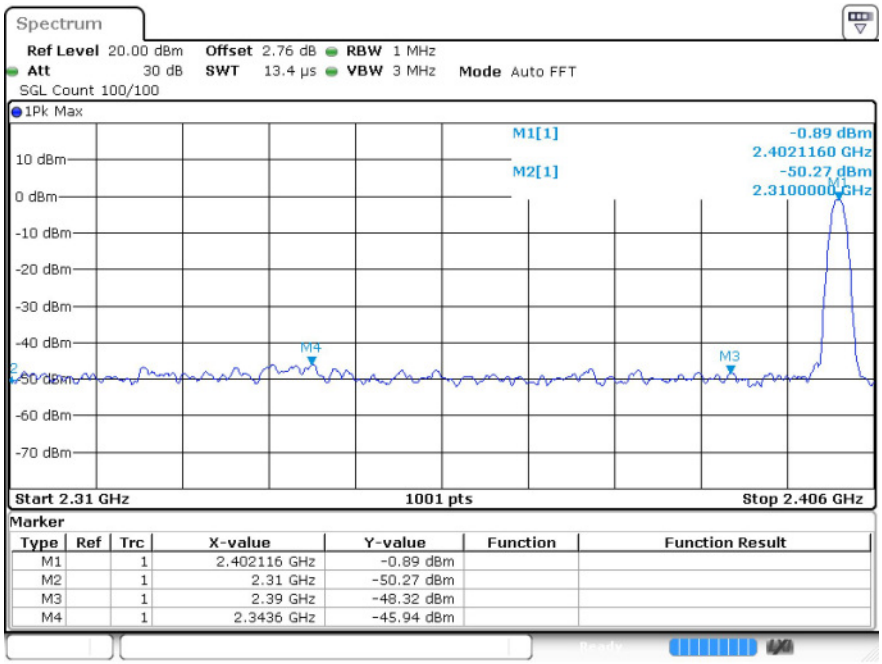
## 9.1 Test Result

| Test Mode | Hopping | Freq. | Power [dBm] | Gain | Duty Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| GFSK | Off | 2310.0 | -50.27 | 3.42 | - | 48.38 | PEAK | 74 | Pass |
| | Off | 2310.0 | -56.33 | 3.42 | 5.06 | 47.38 | AV | 54 | Pass |
| | Off | 2343.6 | -45.94 | 3.42 | - | 52.71 | PEAK | 74 | Pass |
| | Off | 2338.128 | -54.15 | 3.42 | 5.06 | 49.56 | AV | 54 | Pass |
| | Off | 2390.0 | -48.32 | 3.42 | - | 50.33 | PEAK | 74 | Pass |
| | Off | 2390.0 | -56.97 | 3.42 | 5.06 | 46.74 | AV | 54 | Pass |
| | Off | 2483.5 | -48.66 | 3.42 | - | 49.99 | PEAK | 74 | Pass |
| | Off | 2483.5 | -56.06 | 3.42 | 5.01 | 47.6 | AV | 54 | Pass |
| | Off | 2487.448 | -44.81 | 3.42 | - | 53.84 | PEAK | 74 | Pass |
| | Off | 2499.688 | -55.67 | 3.42 | 5.01 | 47.99 | AV | 54 | Pass |
| | Off | 2500.0 | -49.09 | 3.42 | - | 49.56 | PEAK | 74 | Pass |
| | Off | 2500.0 | -55.74 | 3.42 | 5.01 | 47.92 | AV | 54 | Pass |
| π/4DQPSK | Off | 2310.0 | -47.49 | 3.42 | - | 51.16 | PEAK | 74 | Pass |
| | Off | 2310.0 | -56.63 | 3.42 | 4.95 | 46.97 | AV | 54 | Pass |
| | Off | 2339.856 | -45.83 | 3.42 | - | 52.82 | PEAK | 74 | Pass |
| | Off | 2338.224 | -54.64 | 3.42 | 4.95 | 48.96 | AV | 54 | Pass |
| | Off | 2390.0 | -48.59 | 3.42 | - | 50.06 | PEAK | 74 | Pass |
| | Off | 2390.0 | -56.55 | 3.42 | 4.95 | 47.05 | AV | 54 | Pass |
| | Off | 2483.5 | -49.59 | 3.42 | - | 49.06 | PEAK | 74 | Pass |
| | Off | 2483.5 | -54.78 | 3.42 | 4.95 | 48.82 | AV | 54 | Pass |
| | Off | 2487.448 | -45.16 | 3.42 | - | 53.49 | PEAK | 74 | Pass |
| | Off | 2483.512 | -54.79 | 3.42 | 4.95 | 48.81 | AV | 54 | Pass |
| | Off | 2500.0 | -47.95 | 3.42 | - | 50.7 | PEAK | 74 | Pass |
| | Off | 2500.0 | -56.82 | 3.42 | 4.95 | 46.78 | AV | 54 | Pass |
| 8DPSK | Off | 2310.0 | -49.76 | 3.42 | - | 48.89 | PEAK | 74 | Pass |
| | Off | 2310.0 | -56.41 | 3.42 | 4.95 | 47.19 | AV | 54 | Pass |
| | Off | 2338.8 | -46.16 | 3.42 | - | 52.49 | PEAK | 74 | Pass |
| | Off | 2339.472 | -54.45 | 3.42 | 4.95 | 49.15 | AV | 54 | Pass |

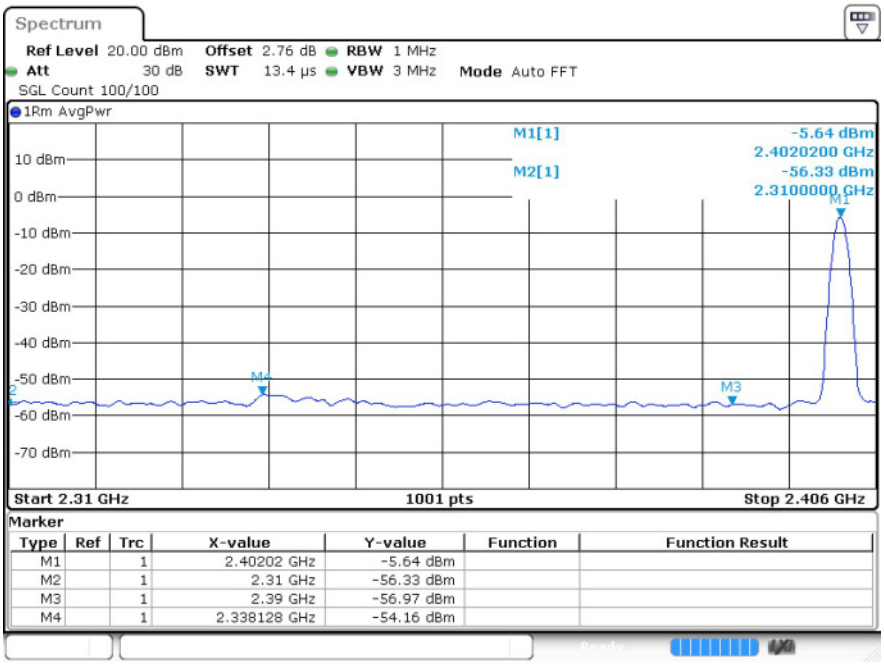
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Off | 2390.0 | -48.77 | 3.42 | - | 49.88 | PEAK | 74 | Pass |
| | Off | 2390.0 | -56.08 | 3.42 | 4.95 | 47.52 | AV | 54 | Pass |
| | Off | 2483.5 | -47.21 | 3.42 | - | 51.44 | PEAK | 74 | Pass |
| | Off | 2483.5 | -56.81 | 3.42 | 4.96 | 46.8 | AV | 54 | Pass |
| | Off | 2487.376 | -44.96 | 3.42 | - | 53.69 | PEAK | 74 | Pass |
| | Off | 2496.736 | -55.87 | 3.42 | 4.96 | 47.74 | AV | 54 | Pass |
| | Off | 2500.0 | -48.22 | 3.42 | - | 50.43 | PEAK | 74 | Pass |
| | Off | 2500.0 | -55.96 | 3.42 | 4.96 | 47.65 | AV | 54 | Pass |

## 9.2 Test Graphs

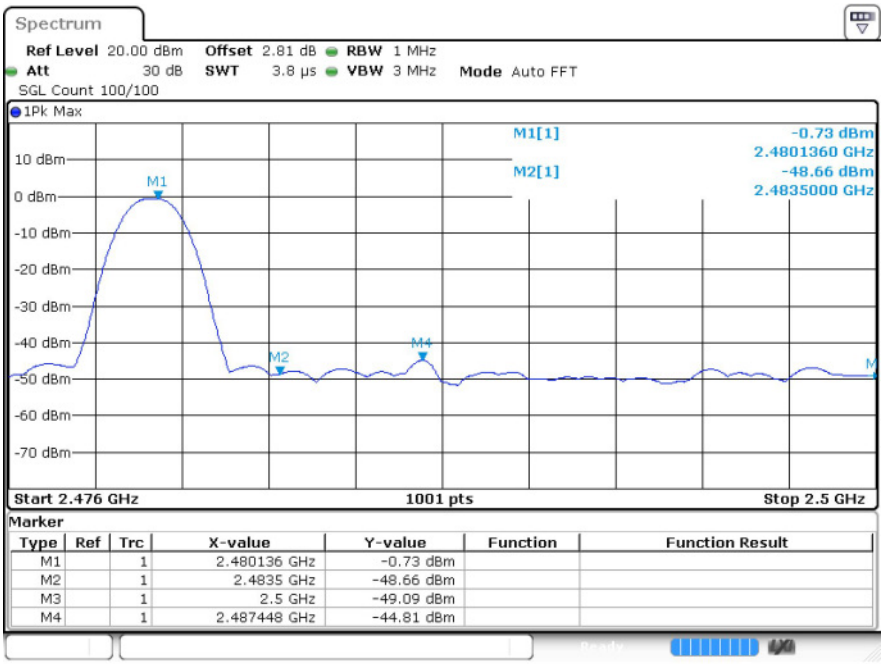
**Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)**



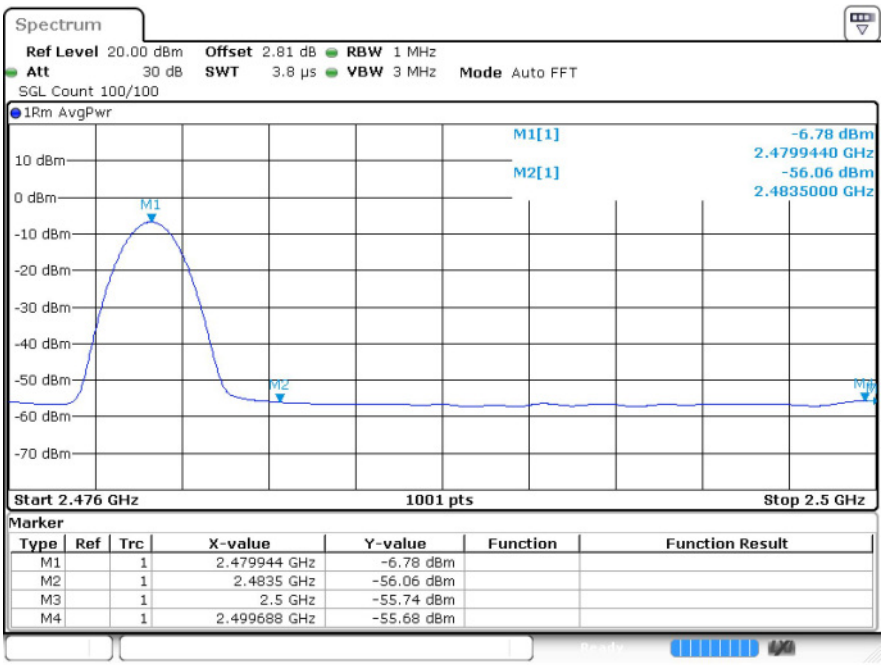

**Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)**



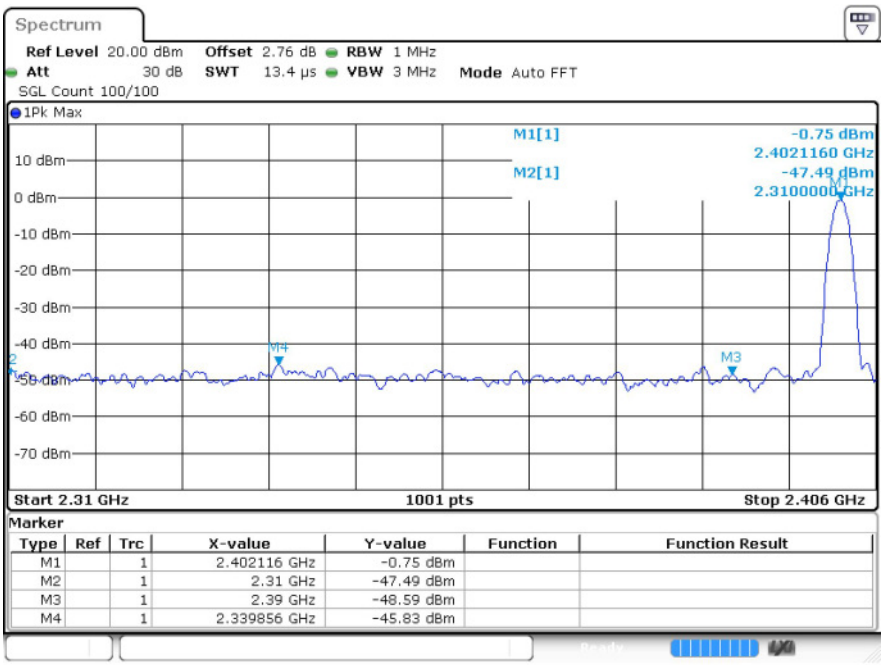
## Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



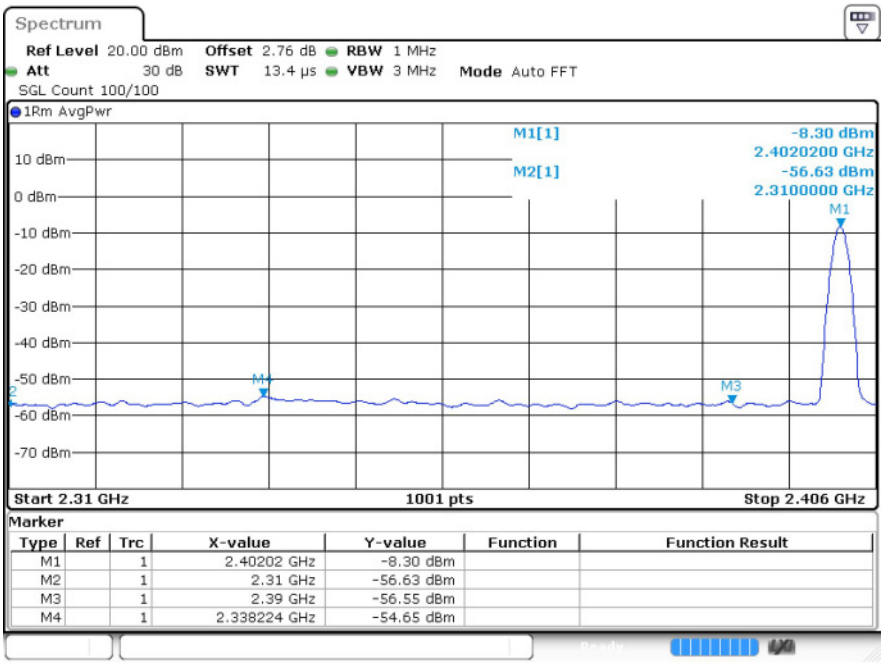

## Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



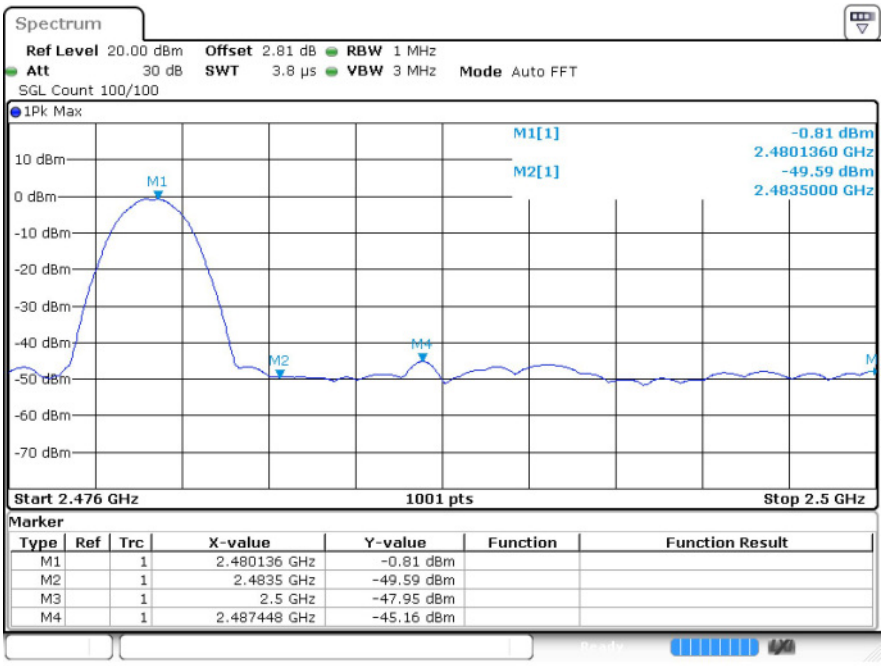
## Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



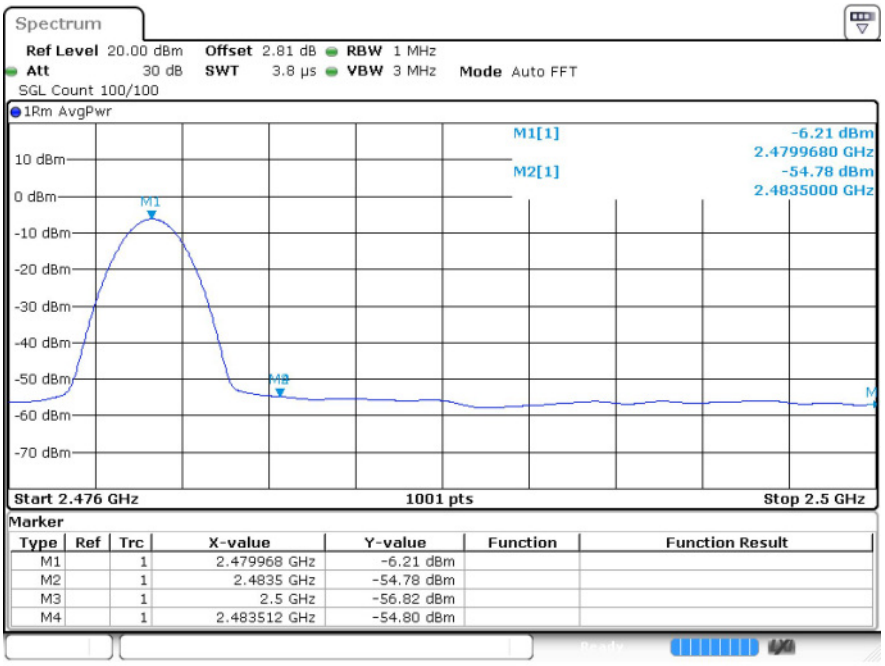

## Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



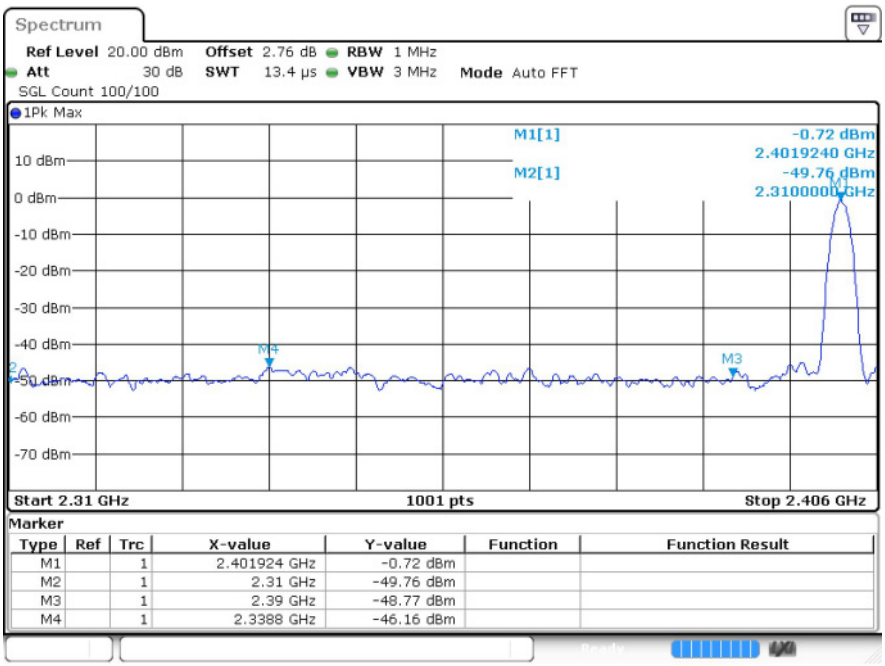
## Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



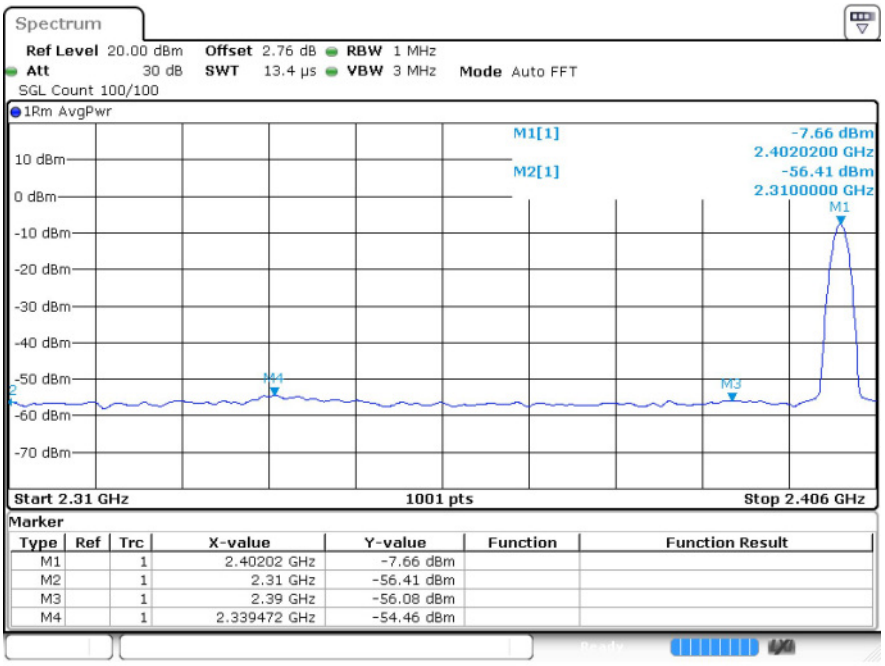

## Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



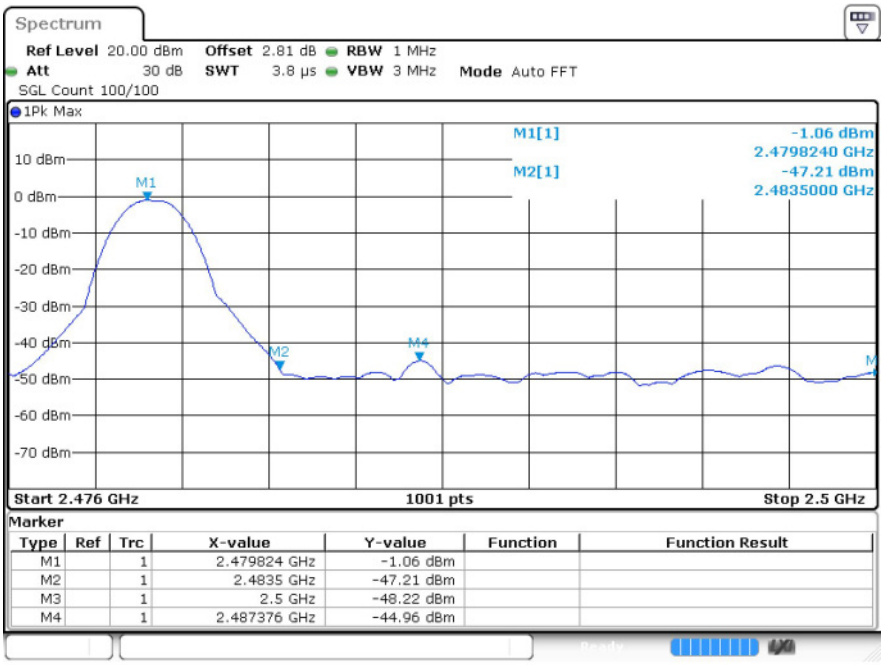
## Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



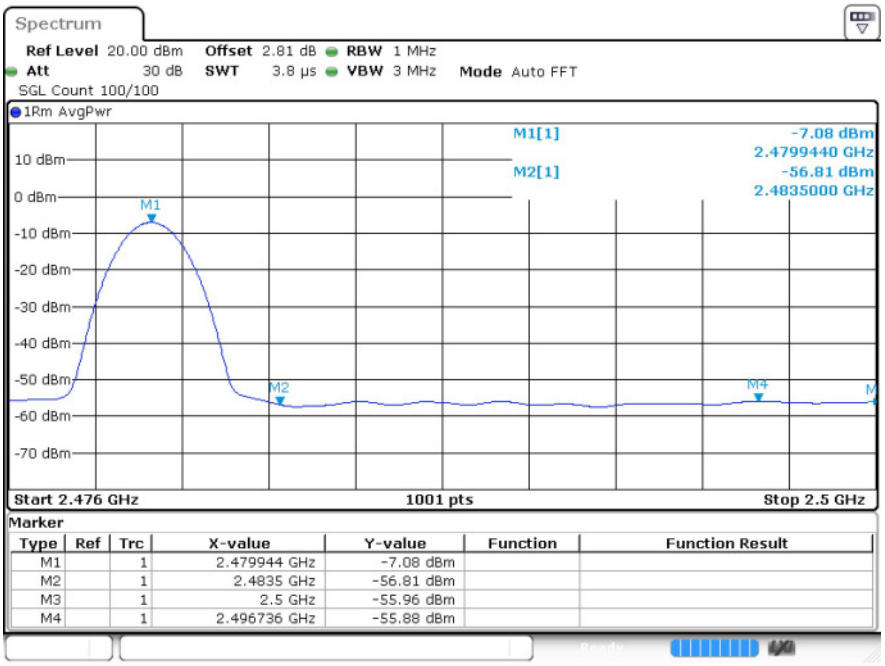

## Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



## Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (High Channel)




## Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (High Channel)




---The End---