

## Appendix A: Test results

### 1.1 RF Output Power

#### 1.1.1 Test Result and Data

| BT Maximum Output Power |                      |             |             |        |
|-------------------------|----------------------|-------------|-------------|--------|
| Mode                    | Test Frequency (MHz) | Packet Type | Power (dBm) | Result |
| GFSK                    | 2402                 | DH5         | <b>0.44</b> | Pass   |
| GFSK                    | 2441                 | DH5         | 0.22        | Pass   |
| GFSK                    | 2480                 | DH5         | 0.14        | Pass   |
| DQPSK                   | 2402                 | 2DH5        | 0.35        | Pass   |
| DQPSK                   | 2441                 | 2DH5        | 0.10        | Pass   |
| DQPSK                   | 2480                 | 2DH5        | 0.03        | Pass   |
| 8DPSK                   | 2402                 | 3DH5        | 0.36        | Pass   |
| 8DPSK                   | 2441                 | 3DH5        | 0.11        | Pass   |
| 8DPSK                   | 2480                 | 3DH5        | 0.02        | Pass   |

GFSK,2402MHz,DH5



GFSK,2441MHz,DH5



GFSK,2480MHz,DH5



DQPSK,2402MHz,2DH5



DQPSK,2441MHz,2DH5



DQPSK,2480MHz,2DH5



8DPSK,2402MHz,3DH5



8DPSK,2441MHz,3DH5





8DPSK,2480MHz,3DH5



## 1.2 20dB Down Bandwidth

### 1.2.1 Test Result and Data

| BT Occupied 20dB Bandwidth |                         |             |                         |        |
|----------------------------|-------------------------|-------------|-------------------------|--------|
| Mode                       | Test Frequency<br>(MHz) | Packet Type | 20dB Bandwidth<br>(kHz) | Result |
| GFSK                       | 2402                    | DH5         | 1035.7                  | Pass   |
| GFSK                       | 2441                    | DH5         | 1043.2                  | Pass   |
| GFSK                       | 2480                    | DH5         | 1025.5                  | Pass   |
| DQPSK                      | 2402                    | 2DH5        | 1363.1                  | Pass   |
| DQPSK                      | 2441                    | 2DH5        | 1364.8                  | Pass   |
| DQPSK                      | 2480                    | 2DH5        | 1341.8                  | Pass   |
| 8DPSK                      | 2402                    | 3DH5        | 1384.9                  | Pass   |
| 8DPSK                      | 2441                    | 3DH5        | 1364.1                  | Pass   |
| 8DPSK                      | 2480                    | 3DH5        | 1351.4                  | Pass   |

GFSK,2402MHz,DH5



GFSK,2441MHz,DH5



GFSK,2480MHz,DH5



DQPSK,2402MHz,2DH5



DQPSK,2441MHz,2DH5



DQPSK,2480MHz,2DH5

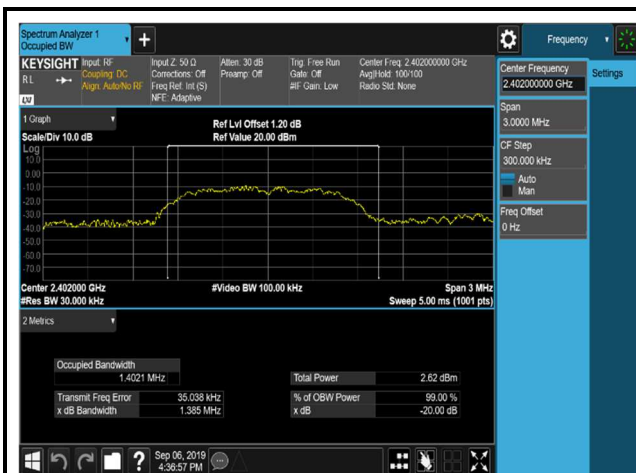


8DPSK,2402MHz,3DH5

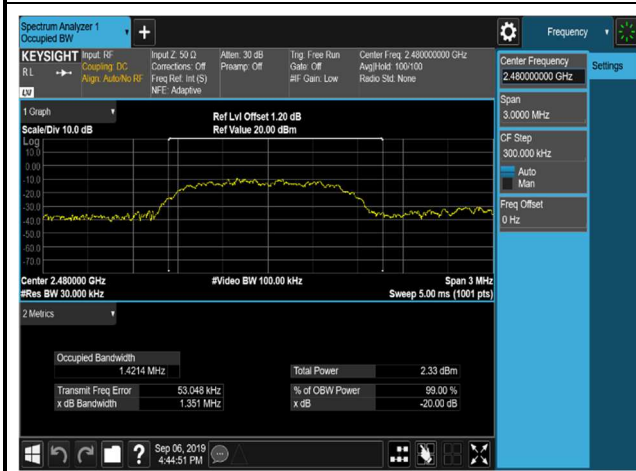


8DPSK,2441MHz,3DH5





8DPSK,2480MHz,3DH5



## 1.3 99% BandWidth

### 1.3.1 Test Result and Data

| BT 99% Occupied Bandwidth |                      |             |                              |        |
|---------------------------|----------------------|-------------|------------------------------|--------|
| Mode                      | Test Frequency (MHz) | Packet Type | 99% Occupied Bandwidth (kHz) | Result |
| GFSK                      | 2402                 | DH5         | 942.09                       | Pass   |
| GFSK                      | 2441                 | DH5         | 947.65                       | Pass   |
| GFSK                      | 2480                 | DH5         | 948.54                       | Pass   |
| DQPSK                     | 2402                 | 2DH5        | 1433.66                      | Pass   |
| DQPSK                     | 2441                 | 2DH5        | 1314.35                      | Pass   |
| DQPSK                     | 2480                 | 2DH5        | 1434.25                      | Pass   |
| 8DPSK                     | 2402                 | 3DH5        | 1373.90                      | Pass   |
| 8DPSK                     | 2441                 | 3DH5        | 1335.06                      | Pass   |
| 8DPSK                     | 2480                 | 3DH5        | 1415.41                      | Pass   |

GFSK,2402MHz,DH5



GFSK,2441MHz,DH5



GFSK,2480MHz,DH5



DQPSK,2402MHz,2DH5



DQPSK,2441MHz,2DH5



DQPSK,2480MHz,2DH5

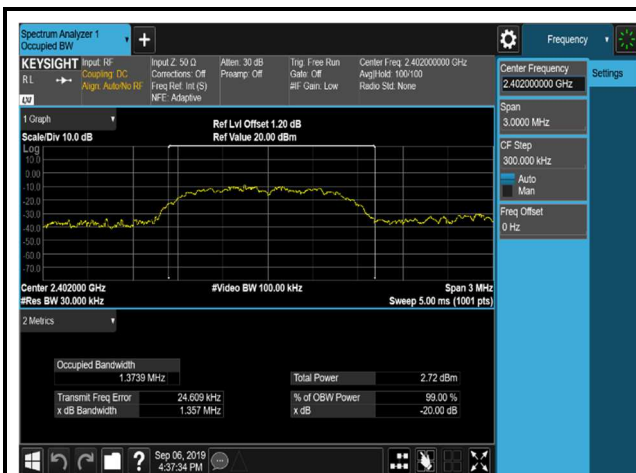


8DPSK,2402MHz,3DH5

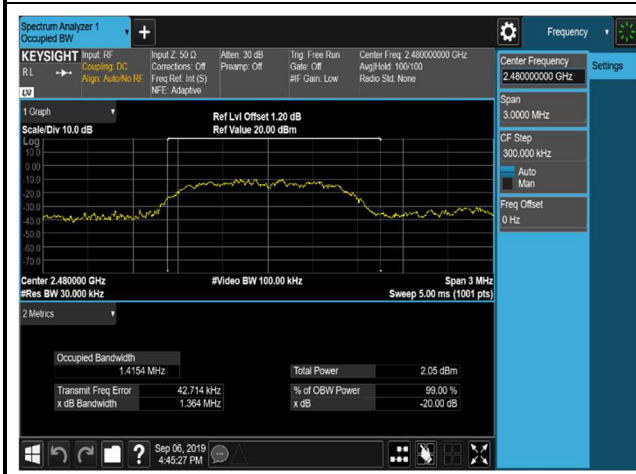


8DPSK,2441MHz,3DH5





8DPSK,2480MHz,3DH5



## 1.4 Transmitter Spurious Emission

### 1.4.1 Test Result and Data

| BT Transmitter Spurious Emission |                      |             |                   |             |        |
|----------------------------------|----------------------|-------------|-------------------|-------------|--------|
| Mode                             | Test Frequency (MHz) | Packet Type | Frequency Range   | Power (dBm) | Result |
| GFSK                             | 2402                 | DH5         | 0.009MHz~2380MHz  | -53.33      | Pass   |
| GFSK                             | 2402                 | DH5         | 10000MHz~25000MHz | -49.70      | Pass   |
| GFSK                             | 2402                 | DH5         | 2410MHz~10000MHz  | -49.37      | Pass   |
| GFSK                             | 2402                 | DH5         | Band Edge         | -44.58      | Pass   |
| GFSK                             | 2441                 | DH5         | 0.009MHz~2300MHz  | -57.58      | Pass   |
| GFSK                             | 2441                 | DH5         | 10000MHz~25000MHz | -49.83      | Pass   |
| GFSK                             | 2441                 | DH5         | 2500MHz~10000MHz  | -49.07      | Pass   |
| GFSK                             | 2441                 | DH5         | Band Edge         | -54.60      | Pass   |
| GFSK                             | 2480                 | DH5         | 0.009MHz~2475MHz  | -52.67      | Pass   |
| GFSK                             | 2480                 | DH5         | 10000MHz~25000MHz | -50.01      | Pass   |
| GFSK                             | 2480                 | DH5         | 2505MHz~10000MHz  | -48.71      | Pass   |
| GFSK                             | 2480                 | DH5         | Band Edge         | -44.54      | Pass   |
| DQPSK                            | 2402                 | 2DH5        | 0.009MHz~2380MHz  | -52.94      | Pass   |
| DQPSK                            | 2402                 | 2DH5        | 10000MHz~25000MHz | -49.32      | Pass   |
| DQPSK                            | 2402                 | 2DH5        | 2410MHz~10000MHz  | -38.06      | Pass   |
| DQPSK                            | 2402                 | 2DH5        | Band Edge         | -27.72      | Pass   |
| DQPSK                            | 2441                 | 2DH5        | 0.009MHz~2300MHz  | -57.75      | Pass   |
| DQPSK                            | 2441                 | 2DH5        | 10000MHz~25000MHz | -49.31      | Pass   |
| DQPSK                            | 2441                 | 2DH5        | 2500MHz~10000MHz  | -46.93      | Pass   |
| DQPSK                            | 2441                 | 2DH5        | Band Edge         | -54.35      | Pass   |
| DQPSK                            | 2480                 | 2DH5        | 0.009MHz~2475MHz  | -36.44      | Pass   |
| DQPSK                            | 2480                 | 2DH5        | 10000MHz~25000MHz | -49.70      | Pass   |
| DQPSK                            | 2480                 | 2DH5        | 2505MHz~10000MHz  | -47.16      | Pass   |
| DQPSK                            | 2480                 | 2DH5        | Band Edge         | -35.53      | Pass   |
| 8DPSK                            | 2402                 | 3DH5        | 0.009MHz~2380MHz  | -52.79      | Pass   |
| 8DPSK                            | 2402                 | 3DH5        | 10000MHz~25000MHz | -49.73      | Pass   |
| 8DPSK                            | 2402                 | 3DH5        | 2410MHz~10000MHz  | -46.32      | Pass   |
| 8DPSK                            | 2402                 | 3DH5        | Band Edge         | -27.50      | Pass   |
| 8DPSK                            | 2441                 | 3DH5        | 0.009MHz~2300MHz  | -56.30      | Pass   |

|       |      |      |                   |        |      |
|-------|------|------|-------------------|--------|------|
| 8DPSK | 2441 | 3DH5 | 10000MHz~25000MHz | -50.08 | Pass |
| 8DPSK | 2441 | 3DH5 | 2500MHz~10000MHz  | -47.00 | Pass |
| 8DPSK | 2441 | 3DH5 | Band Edge         | -54.20 | Pass |
| 8DPSK | 2480 | 3DH5 | 0.009MHz~2475MHz  | -45.26 | Pass |
| 8DPSK | 2480 | 3DH5 | 10000MHz~25000MHz | -50.39 | Pass |
| 8DPSK | 2480 | 3DH5 | 2505MHz~10000MHz  | -41.56 | Pass |
| 8DPSK | 2480 | 3DH5 | Band Edge         | -37.72 | Pass |

GFSK,2402MHz,DH5,Plot 1,Band Edge



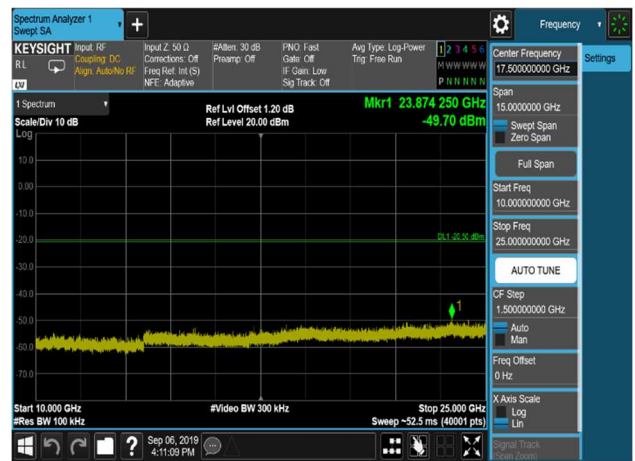
GFSK,2402MHz,DH5,Plot 2,0.009MHz~2380 MHz



GFSK,2402MHz,DH5,Plot 3,2410MHz~10000 MHz



GFSK,2402MHz,DH5,Plot 4,10000MHz~2500 0MHz



GFSK,2441MHz,DH5,Plot 1,Band Edge



GFSK,2441MHz,DH5,Plot 2,0.009MHz~2300 MHz



GFSK,2441MHz,DH5,Plot 3,2500MHz~10000 MHz



GFSK,2441MHz,DH5,Plot 4,10000MHz~2500 0MHz

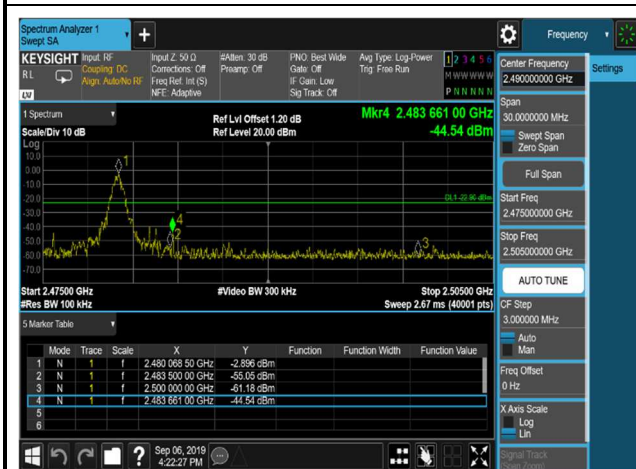




GFSK,2480MHz,DH5,Plot 1,Band Edge



GFSK,2480MHz,DH5,Plot 2,0.009MHz~2475 MHz



GFSK,2480MHz,DH5,Plot 3,2505MHz~10000 MHz



GFSK,2480MHz,DH5,Plot 4,10000MHz~2500 0MHz



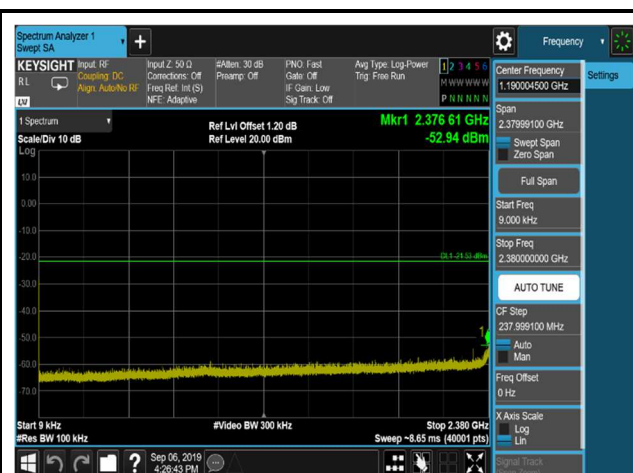
DQPSK,2402MHz,2DH5,Plot 1,Band Edge



DQPSK,2402MHz,2DH5,Plot 2,0.009MHz~23 80MHz



DQPSK,2402MHz,2DH5,Plot 3,2410MHz~10000MHz



DQPSK,2402MHz,2DH5,Plot 4,10000MHz~25000MHz



DQPSK,2441MHz,2DH5,Plot 1,Band Edge



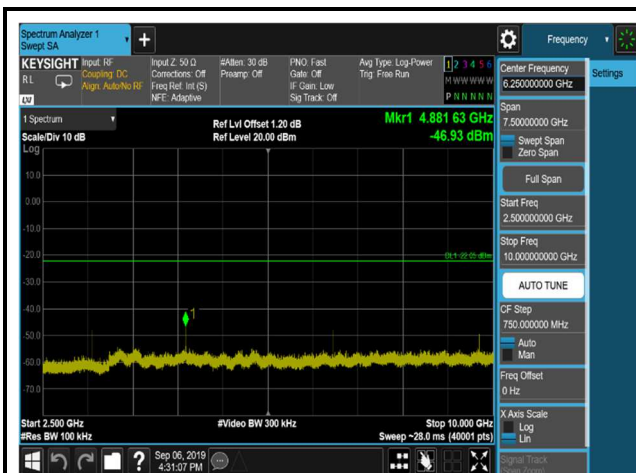
DQPSK,2441MHz,2DH5,Plot 2,0.009MHz~23000MHz



DQPSK,2441MHz,2DH5,Plot 3,2500MHz~10000MHz



DQPSK,2441MHz,2DH5,Plot 4,10000MHz~25000MHz



DQPSK,2480MHz,2DH5,Plot 1,Band  
Edge



DQPSK,2480MHz,2DH5,Plot 2,0.009MHz~24  
75MHz



DQPSK,2480MHz,2DH5,Plot 3,2505MHz~100  
00MHz



DQPSK,2480MHz,2DH5,Plot 4,10000MHz~25  
000MHz



8DPSK,2402MHz,3DH5,Plot 1,Band  
Edge



8DPSK,2402MHz,3DH5,Plot 2,0.009MHz~23  
80MHz



8DPSK,2402MHz,3DH5,Plot 3,2410MHz~10000MHz



8DPSK,2402MHz,3DH5,Plot 4,10000MHz~25000MHz



8DPSK,2441MHz,3DH5,Plot 1,Band Edge



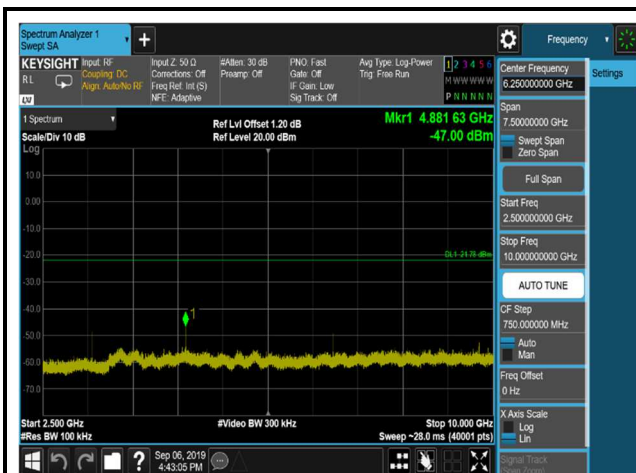
8DPSK,2441MHz,3DH5,Plot 2,0.009MHz~23000MHz



8DPSK,2441MHz,3DH5,Plot 3,2500MHz~10000MHz



8DPSK,2441MHz,3DH5,Plot 4,10000MHz~25000MHz



8DPSK,2480MHz,3DH5,Plot 1,Band  
Edge



8DPSK,2480MHz,3DH5,Plot 2,0.009MHz~24  
75MHz



8DPSK,2480MHz,3DH5,Plot 3,2505MHz~100  
00MHz



8DPSK,2480MHz,3DH5,Plot 4,10000MHz~25  
000MHz



## 1.5 Frequency Band Edge

### 1.5.1 Test Result and Data

| BT Frequency Band Edges-Conducted |                  |             |              |                 |         |        |
|-----------------------------------|------------------|-------------|--------------|-----------------|---------|--------|
| Mode                              | Test Range (MHz) | Packet Type | Hopping Mode | Band Edge (dBm) | Limit   | Result |
| GFSK                              | 2380~2420        | DH5         | Hopping On   | -36.26          | -20.337 | Pass   |
| GFSK                              | 2463.5~2503.5    | DH5         | Hopping On   | -43.92          | -20.446 | Pass   |
| DQPSK                             | 2380~2420        | 2DH5        | Hopping On   | -29.04          | -21.646 | Pass   |
| DQPSK                             | 2463.5~2503.5    | 2DH5        | Hopping On   | -39.86          | -21.74  | Pass   |
| 8DPSK                             | 2380~2420        | 3DH5        | Hopping On   | -27.32          | -21.412 | Pass   |
| 8DPSK                             | 2463.5~2503.5    | 3DH5        | Hopping On   | -34.27          | -20.537 | Pass   |