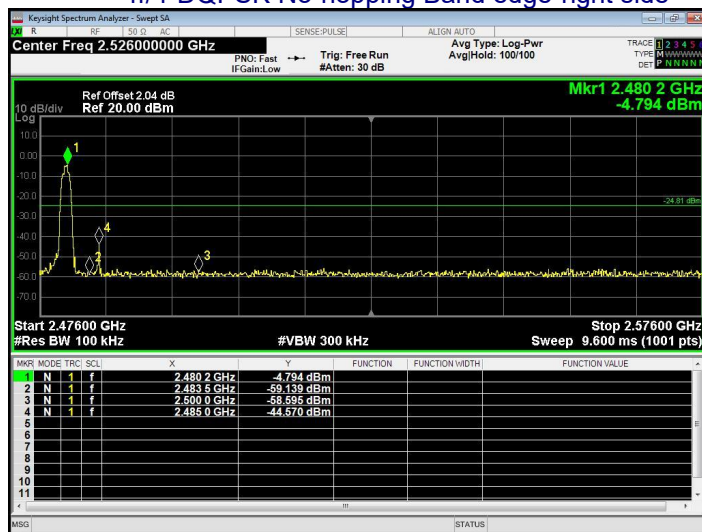
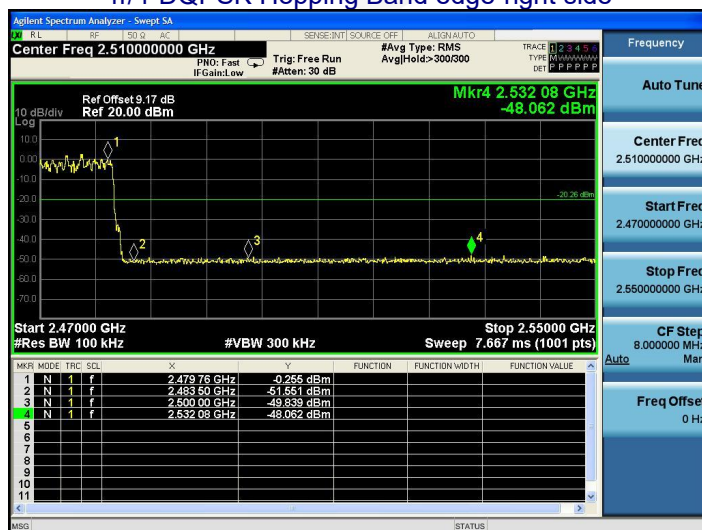


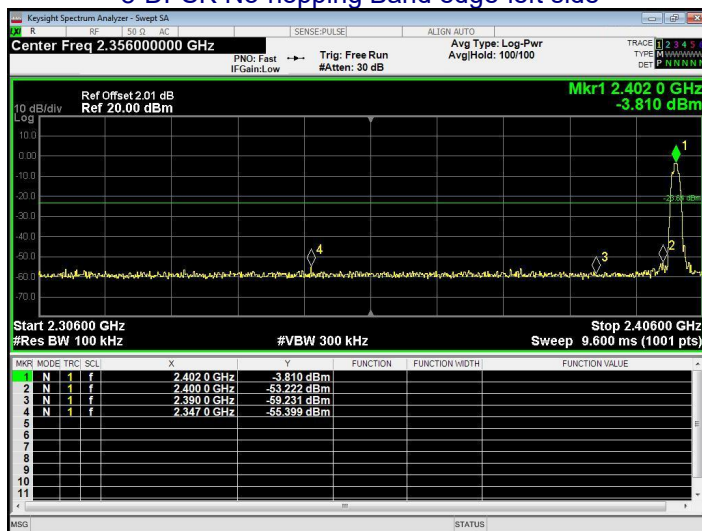
### $\pi/4$ -DQPSK No-hopping Band edge-right side



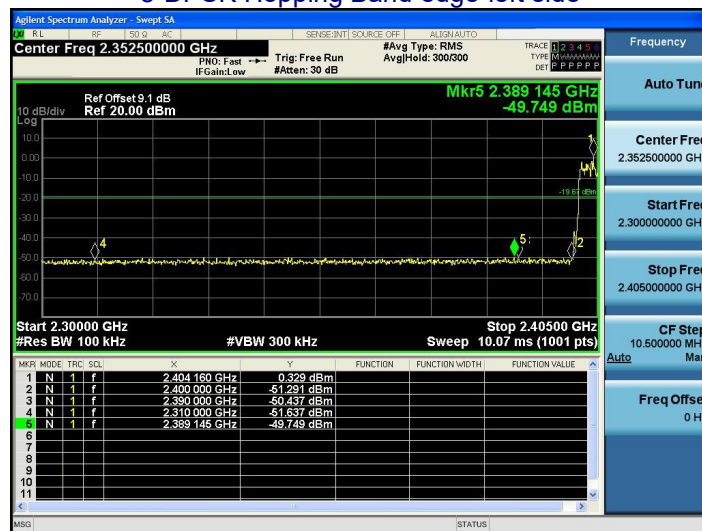
### $\pi/4$ -DQPSK Hopping Band edge-right side



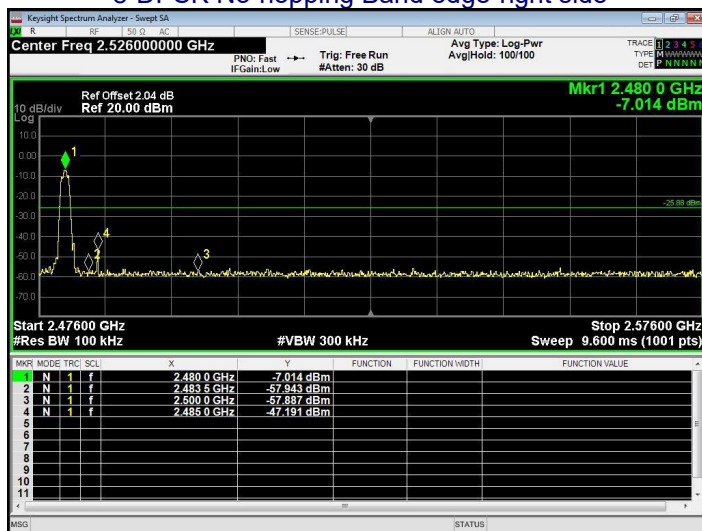
### 8-DPSK No-hopping Band edge-left side



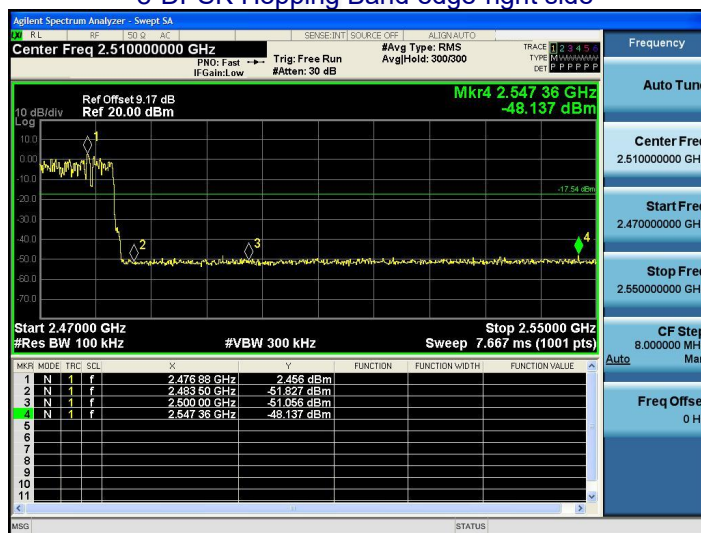
### 8-DPSK Hopping Band edge-left side



### 8-DPSK No-hopping Band edge-right side



### 8-DPSK Hopping Band edge-right side



## 7. 20DB BANDWIDTH

|                   |                                    |
|-------------------|------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (a)(1) |
| Test Method:      | ANSI C63.10:2013                   |

### 7.1 Test Setup



### 7.2 Limit

N/A

### 7.3 Test procedure

1. Set RBW = 30 kHz.
2. Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 7.4 DEVIATION FROM STANDARD

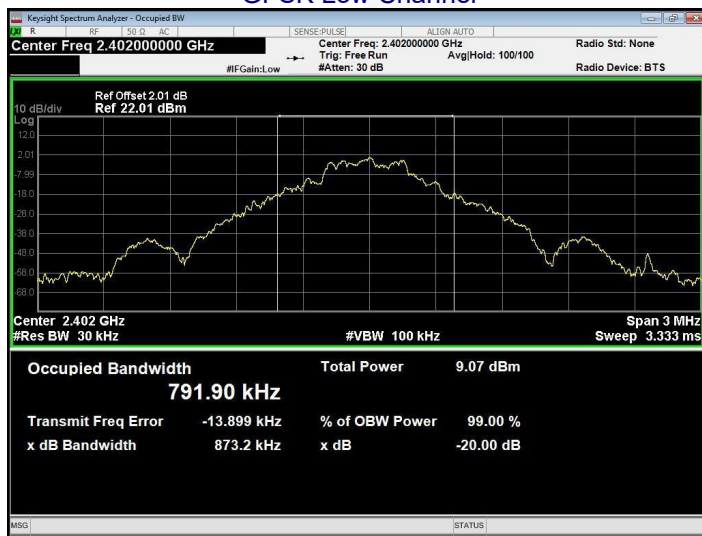
No deviation.

### 7.5 Test Result

| Mode           | Test channel | 20dB Emission Bandwidth (MHz) | Result |
|----------------|--------------|-------------------------------|--------|
| GFSK           | Lowest       | 0.873                         | Pass   |
|                | Middle       | 0.859                         |        |
|                | Highest      | 0.873                         |        |
| $\pi/4$ -DQPSK | Lowest       | 1.418                         | Pass   |
|                | Middle       | 1.431                         |        |
|                | Highest      | 1.407                         |        |
| 8-DPSK         | Lowest       | 1.442                         | Pass   |
|                | Middle       | 1.429                         |        |
|                | Highest      | 1.440                         |        |

## Test plots

### GFSK Low Channel



### GFSK Middle Channel



### GFSK High Channel





### $\pi/4$ -DQPSK Low Channel



### $\pi/4$ -DQPSK Middle Channel



### $\pi/4$ -DQPSK High Channel

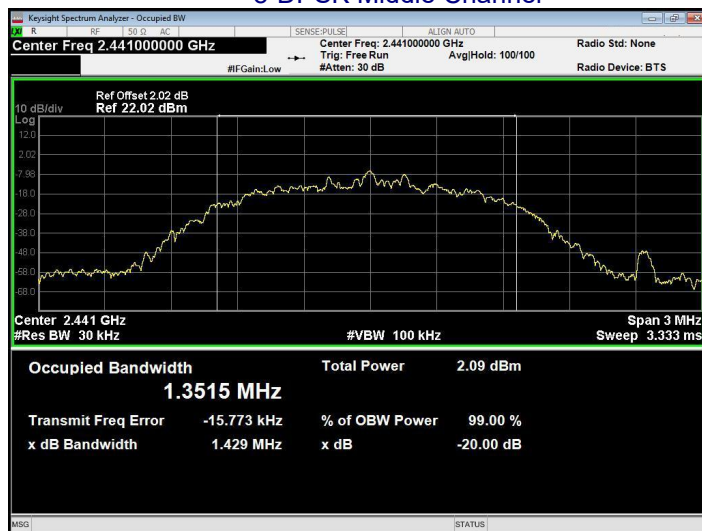


### 8-DPSK Low Channel

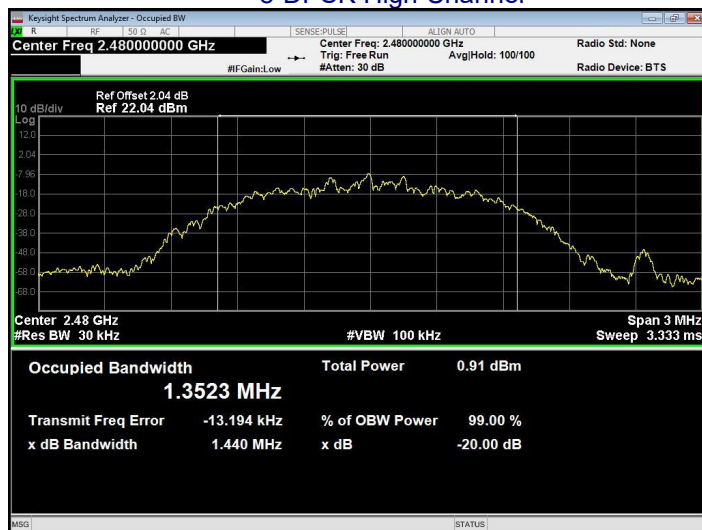




### 8-DPSK Middle Channel



### 8-DPSK High Channel



## 8. Maximum Peak Output Power

|                   |                                    |
|-------------------|------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (b)(1) |
| Test Method:      | ANSI C63.10:2013                   |
| Limit:            | 30dBm(for GFSK), 20.97dBm(for EDR) |

### 8.1 Block Diagram Of Test Setup



### 8.2 Limit

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt.  
For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

### 8.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 2MHz. VBW = 6MHz. Sweep = auto; Detector Function = Peak.
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

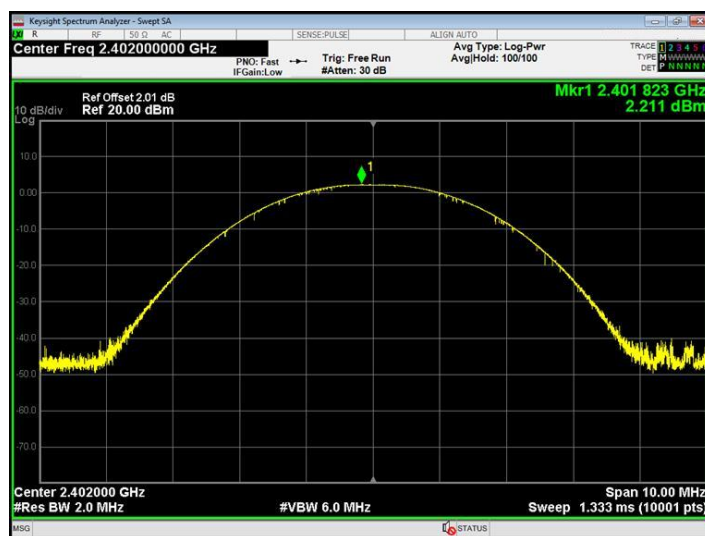
### 8.4 DEVIATION FROM STANDARD

No deviation.

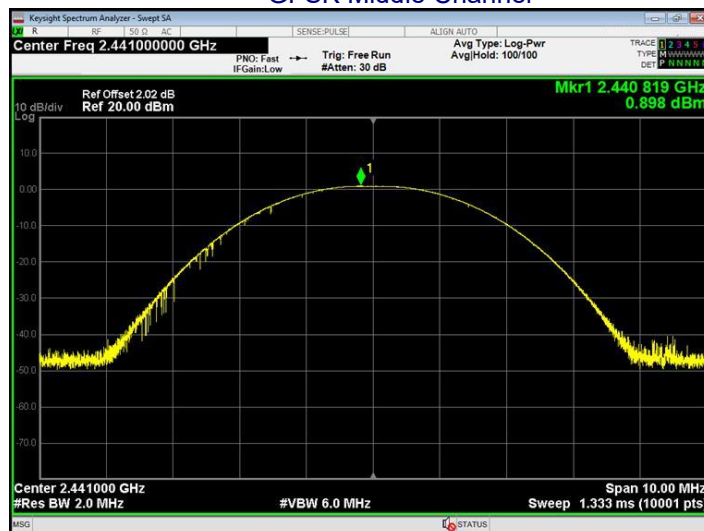
### 8.5 Test Result

| Mode           | Test channel | Peak Output Power (dBm) | Limit (dBm) | Result |
|----------------|--------------|-------------------------|-------------|--------|
| GFSK           | Lowest       | 2.211                   | 30.00       | Pass   |
|                | Middle       | 0.898                   |             |        |
|                | Highest      | -0.34                   |             |        |
| $\pi/4$ -DQPSK | Lowest       | -0.493                  | 20.97       | Pass   |
|                | Middle       | -1.896                  |             |        |
|                | Highest      | -2.958                  |             |        |
| 8-DPSK         | Lowest       | -1.513                  | 20.97       | Pass   |
|                | Middle       | -2.888                  |             |        |
|                | Highest      | -3.995                  |             |        |

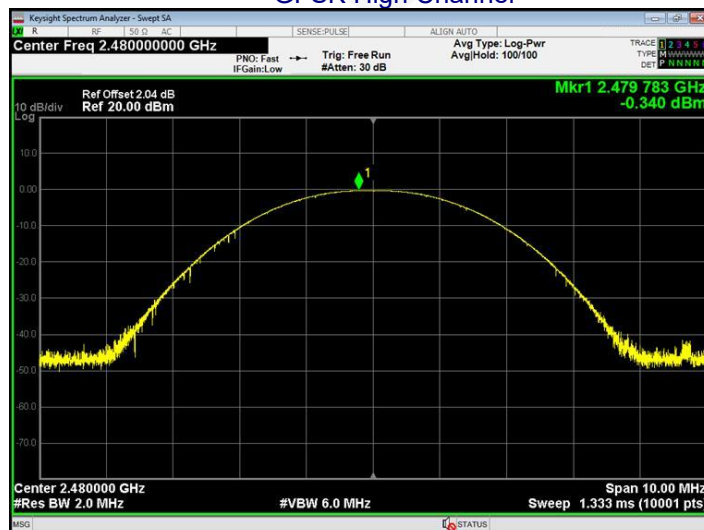
Test plots  
GFSK Low Channel



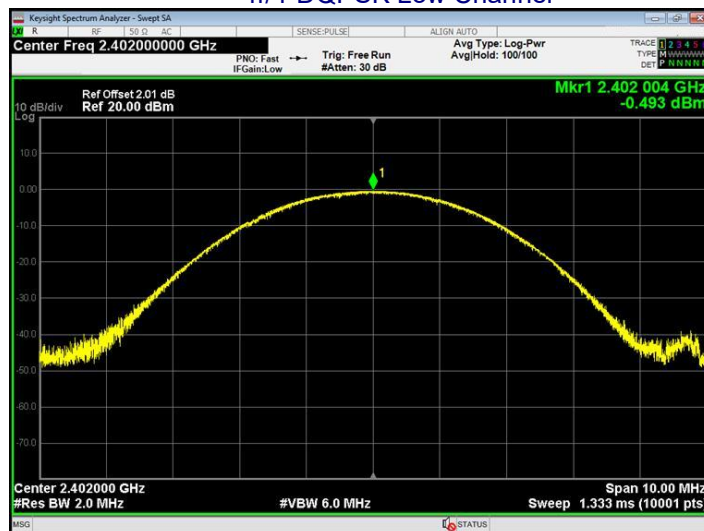
### GFSK Middle Channel



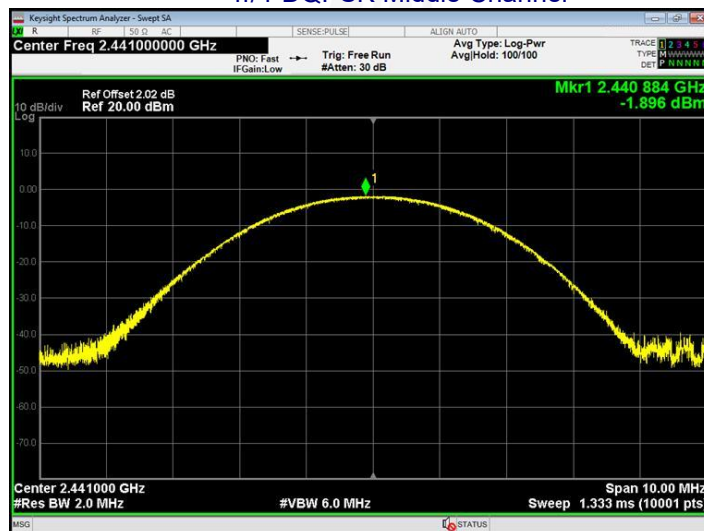
### GFSK High Channel



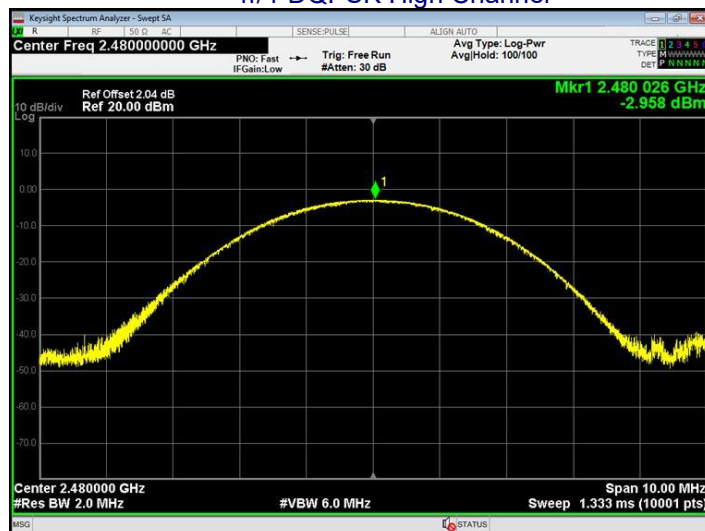
$\pi/4$ -DQPSK Low Channel



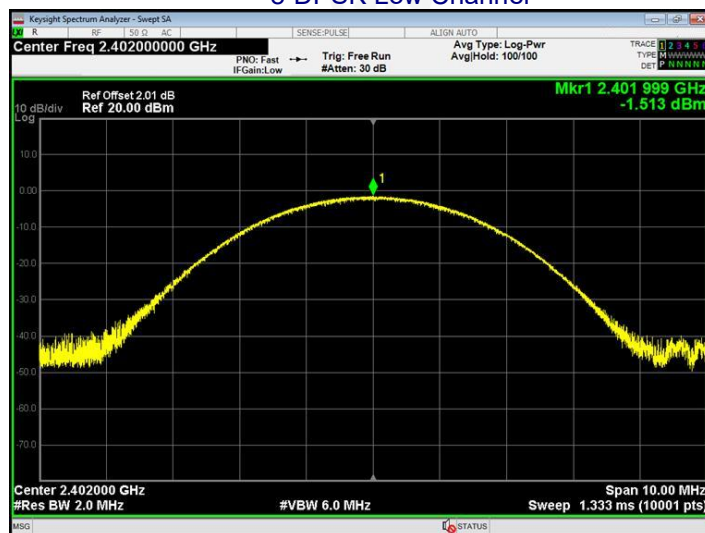
$\pi/4$ -DQPSK Middle Channel



$\pi/4$ -DQPSK High Channel

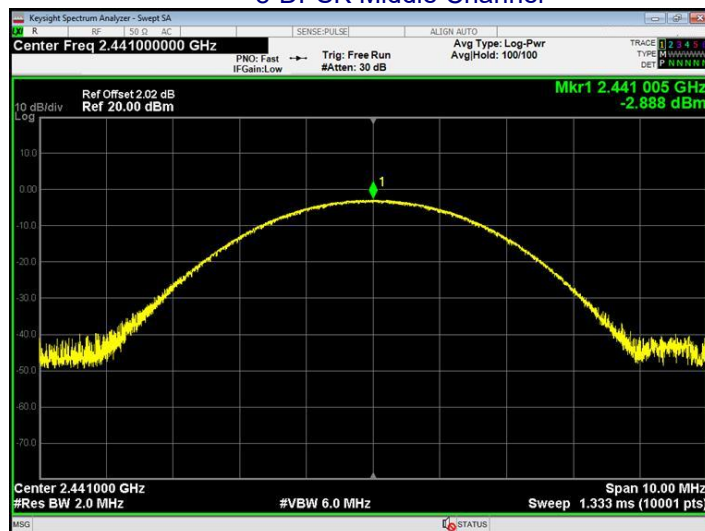


8-DPSK Low Channel





### 8-DPSK Middle Channel



### 8-DPSK High Channel

