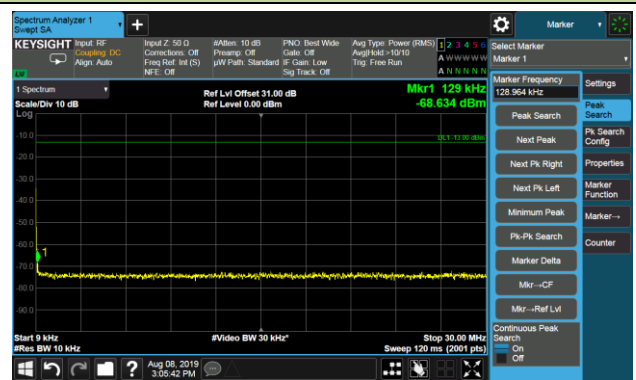


## 7/8 QPSK (256kbps) - 13750MHz - Unwanted Emission at Antenna Terminal

### In-band Mask



### 9kHz - 30MHz



### 30MHz - 1GHz



### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

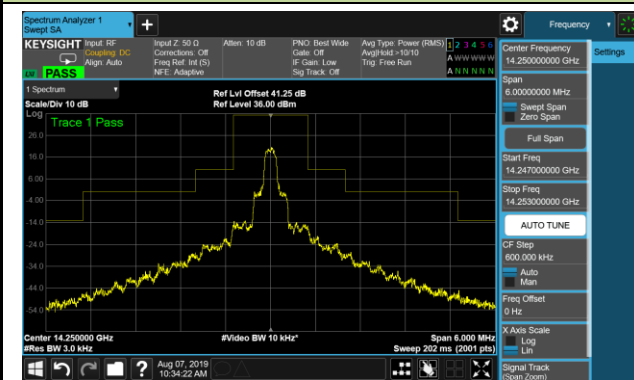
For 50% - 100% of Authorization Bandwidth =  $34.88 - 25 = 9.88\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $34.88 - 35 = -0.12\text{dBm}$ ;

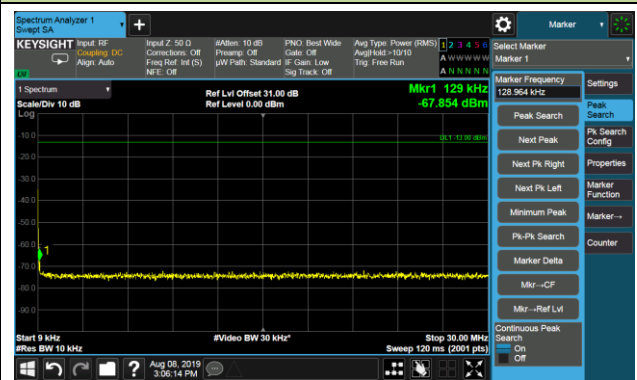
For above 250% of Authorization Bandwidth =  $34.88 - [43 + 10 \log_{10}(3.076)] = -13\text{dBm}$ .

## 7/8 QPSK (256kbps) - 14250MHz - Unwanted Emission at Antenna Terminal

### In-band Mask



### 9kHz - 30MHz



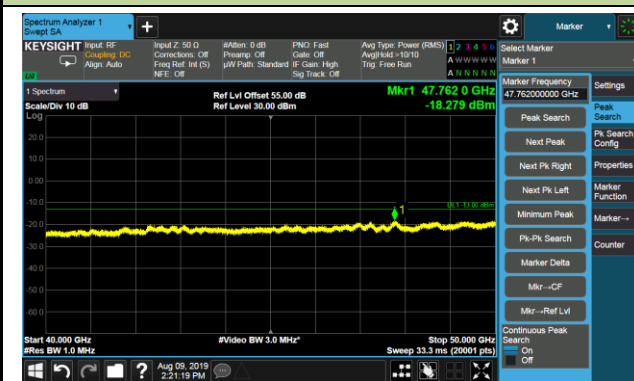
### 30MHz - 1GHz



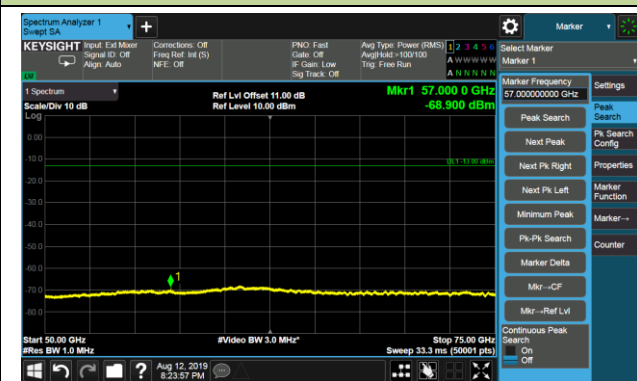
### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

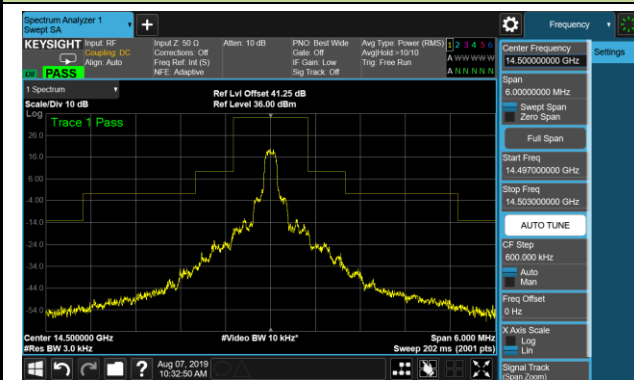
For 50% - 100% of Authorization Bandwidth =  $35.32 - 25 = 10.32\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $35.32 - 35 = 0.32\text{dBm}$ ;

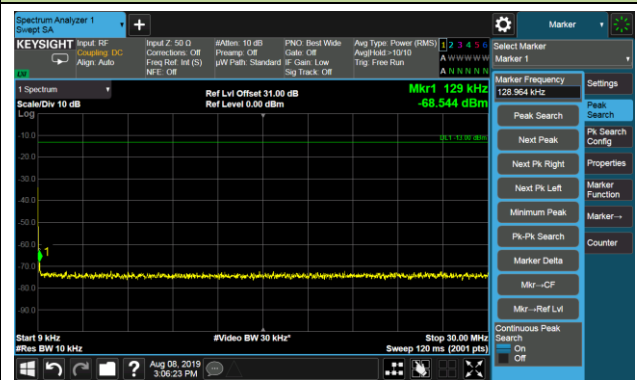
For above 250% of Authorization Bandwidth =  $35.32 - [43 + 10 \log_{10} (3.404)] = -13\text{dBm}$ .

## 7/8 QPSK (256kbps) - 14500MHz - Unwanted Emission at Antenna Terminal

### In-band Mask



### 9kHz - 30MHz



### 30MHz - 1GHz



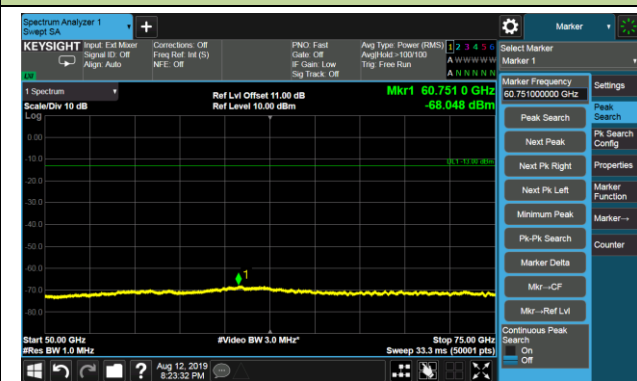
### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth =  $34.31 - 25 = 9.31\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $34.31 - 35 = -0.69\text{dBm}$ ;

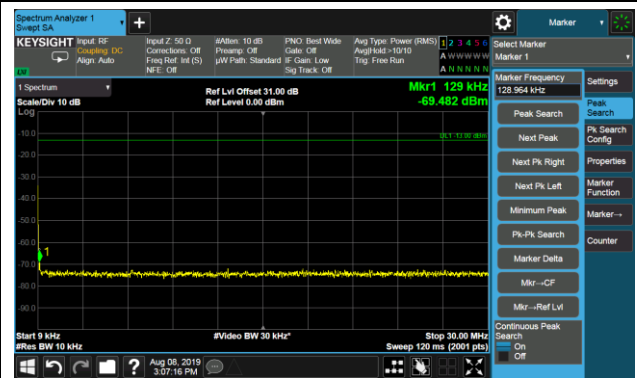
For above 250% of Authorization Bandwidth =  $34.31 - [43 + 10 \log_{10}(2.698)] = -13\text{dBm}$ .

## 21/44 QPSK (256kbps) - 13750MHz - Unwanted Emission at Antenna Terminal

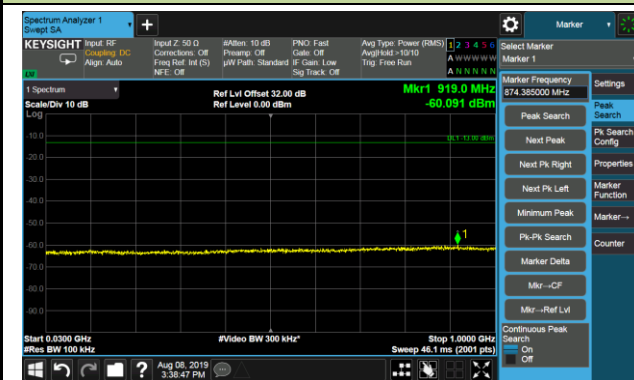
### In-band Mask



### 9kHz - 30MHz



### 30MHz - 1GHz



### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth =  $34.88 - 25 = 9.88\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $34.88 - 35 = -0.12\text{dBm}$ ;

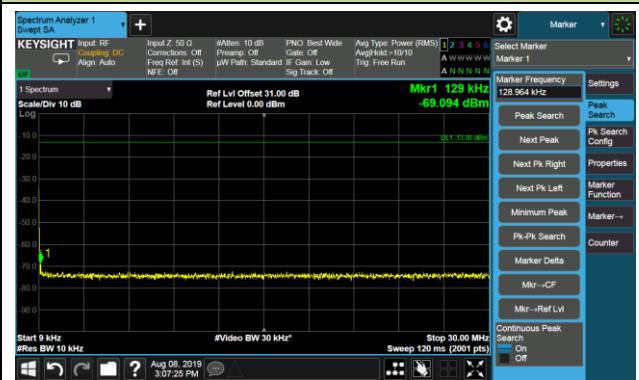
For above 250% of Authorization Bandwidth =  $34.88 - [43 + 10 \log_{10}(3.076)] = -13\text{dBm}$ .

## 21/44 QPSK (256kbps) - 14250MHz - Unwanted Emission at Antenna Terminal

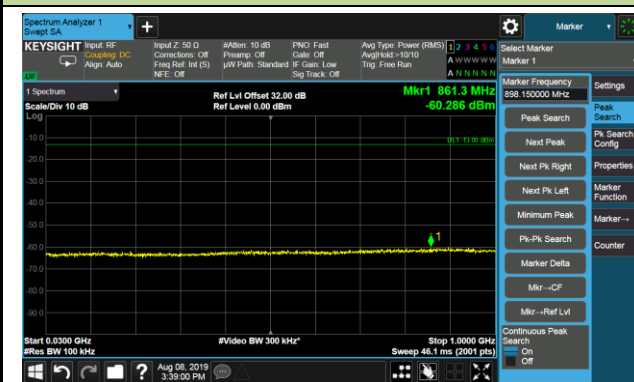
### In-band Mask



### 9kHz - 30MHz



### 30MHz - 1GHz



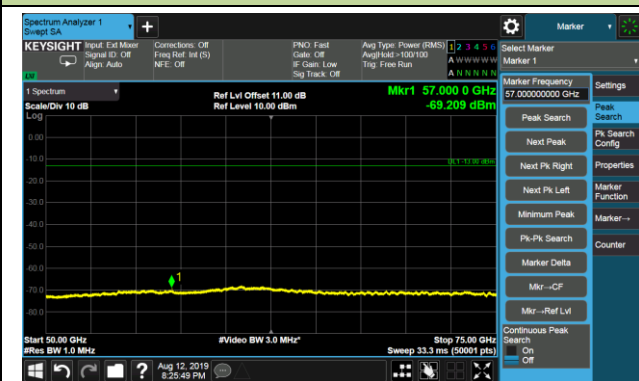
### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth =  $35.37 - 25 = 10.37\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $35.37 - 35 = 0.37\text{dBm}$ ;

For above 250% of Authorization Bandwidth =  $35.37 - [43 + 10 \log_{10} (3.443)] = -13\text{dBm}$ .

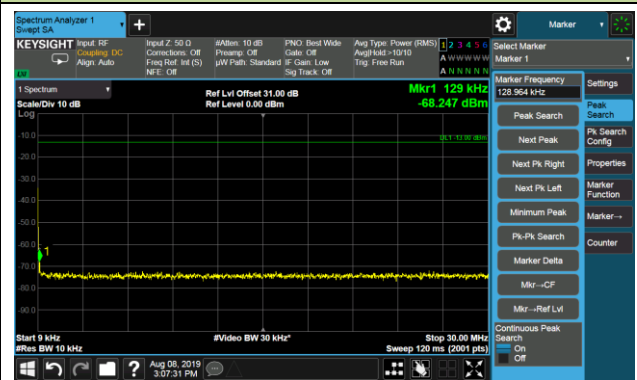


## 21/44 QPSK (256kbps) - 14500MHz - Unwanted Emission at Antenna Terminal

### In-band Mask



### 9kHz - 30MHz



### 30MHz - 1GHz



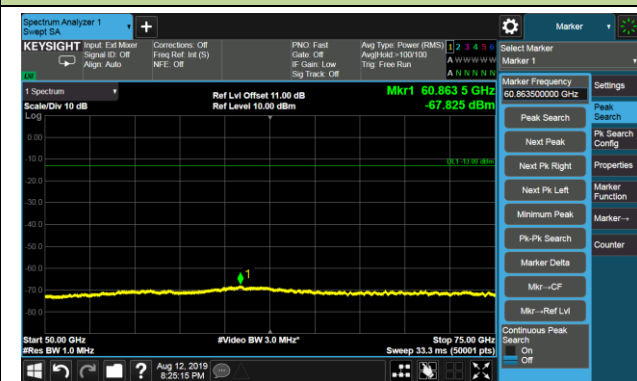
### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

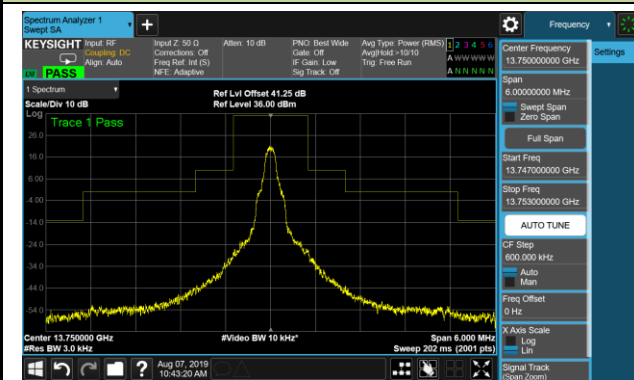
For 50% - 100% of Authorization Bandwidth =  $34.29 - 25 = 9.29\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $34.29 - 35 = -0.71\text{dBm}$ ;

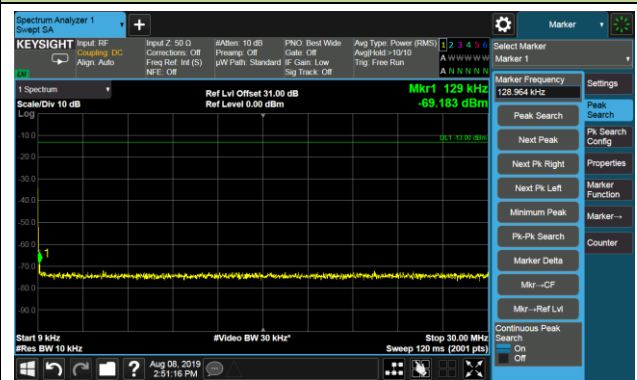
For above 250% of Authorization Bandwidth =  $34.29 - [43 + 10 \log_{10} (2.685)] = -13\text{dBm}$ .

## OQPSK (256kbps) - 13750MHz - Unwanted Emission at Antenna Terminal

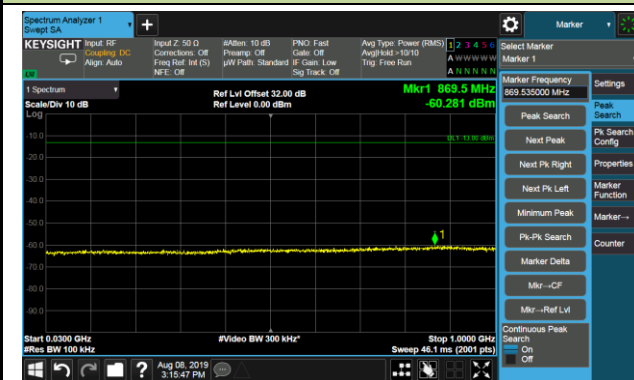
### In-band Mask



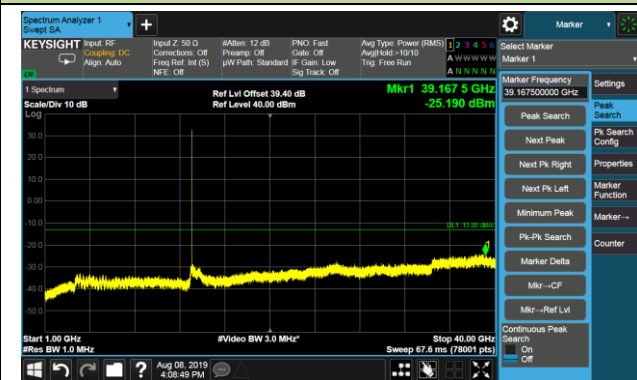
### 9kHz - 30MHz



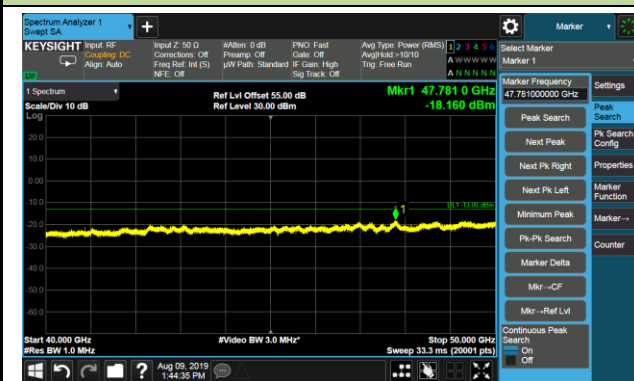
### 30MHz - 1GHz



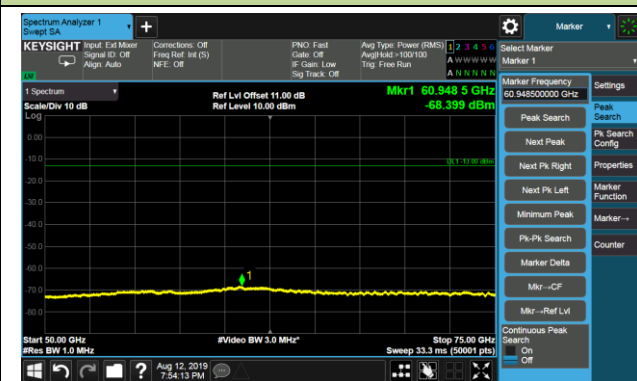
### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

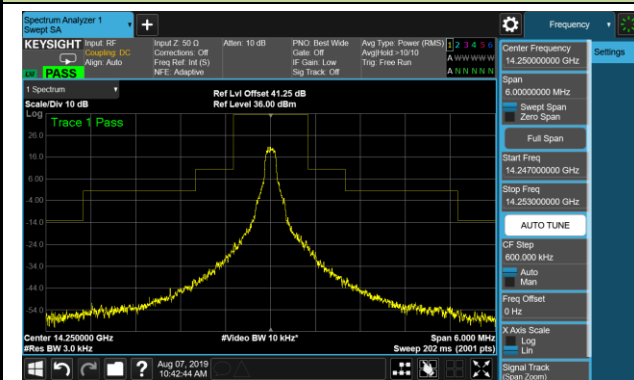
For 50% - 100% of Authorization Bandwidth =  $35.04 - 25 = 10.04\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $35.04 - 35 = 0.04\text{dBm}$ ;

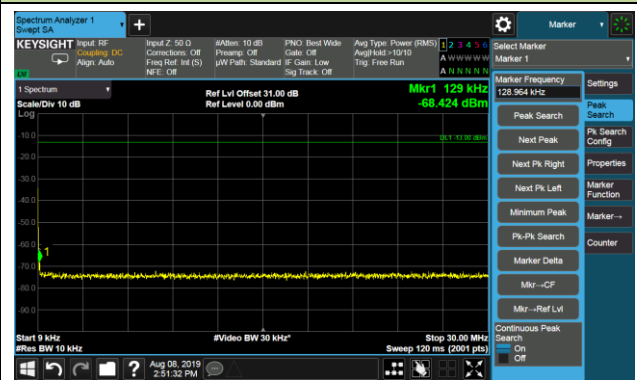
For above 250% of Authorization Bandwidth =  $35.04 - [43 + 10 \log_{10} (3.192)] = -13\text{dBm}$ .

## OQPSK (256kbps) - 14250MHz - Unwanted Emission at Antenna Terminal

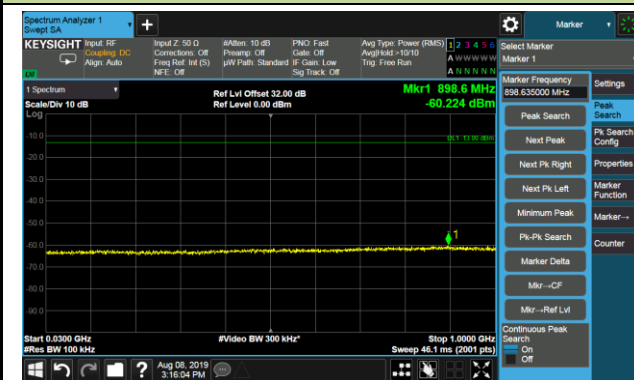
### In-band Mask



### 9kHz - 30MHz



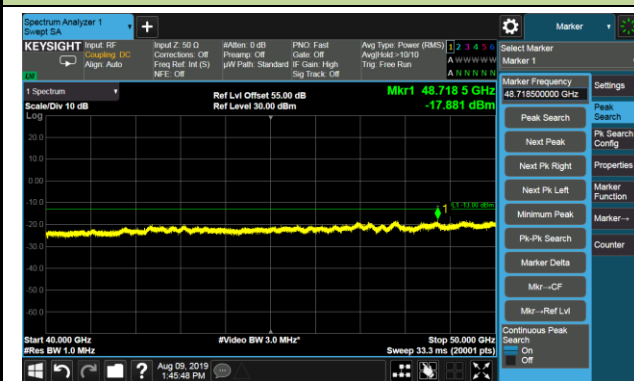
### 30MHz - 1GHz



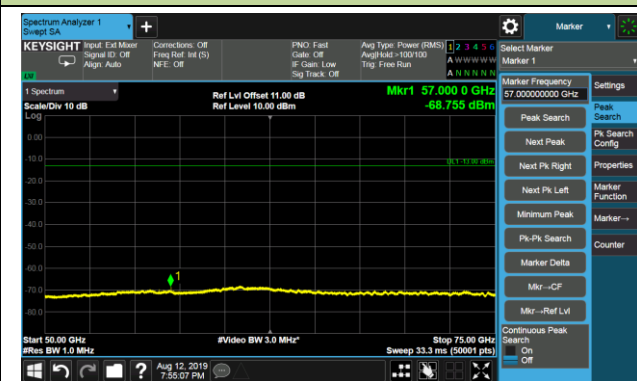
### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth =  $35.53 - 25 = 10.53\text{dBm}$ ;

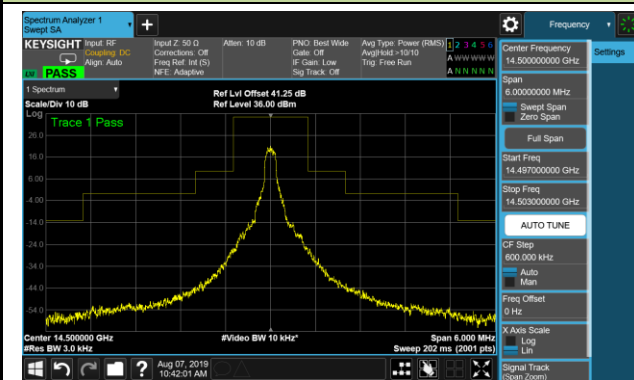
For 100% - 250% of Authorization Bandwidth =  $35.53 - 35 = 0.53\text{dBm}$ ;

For above 250% of Authorization Bandwidth =  $35.53 - [43 + 10 \log_{10}(3.573)] = -13\text{dBm}$ .

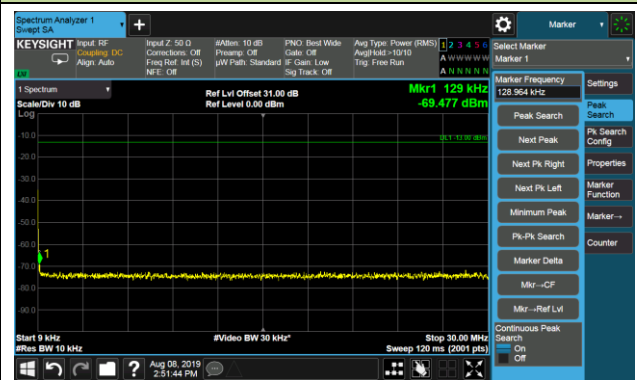


## OQPSK (256kbps) - 14500MHz - Unwanted Emission at Antenna Terminal

### In-band Mask



### 9kHz - 30MHz



### 30MHz - 1GHz



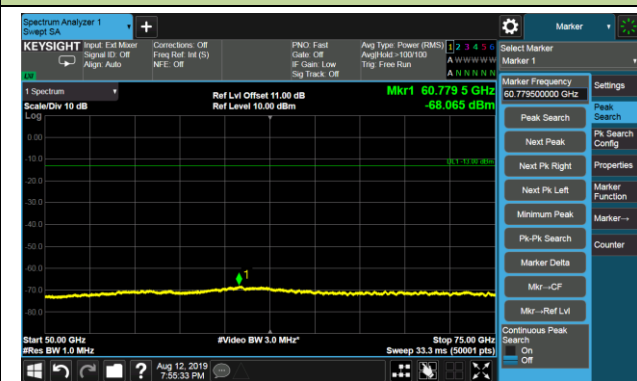
### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

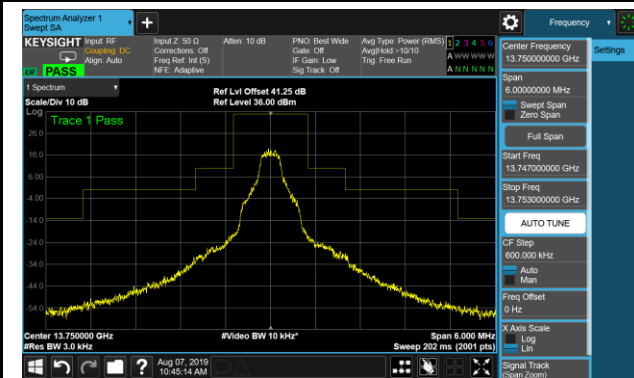
For 50% - 100% of Authorization Bandwidth =  $34.52 - 25 = 9.52\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $34.52 - 35 = -0.48\text{dBm}$ ;

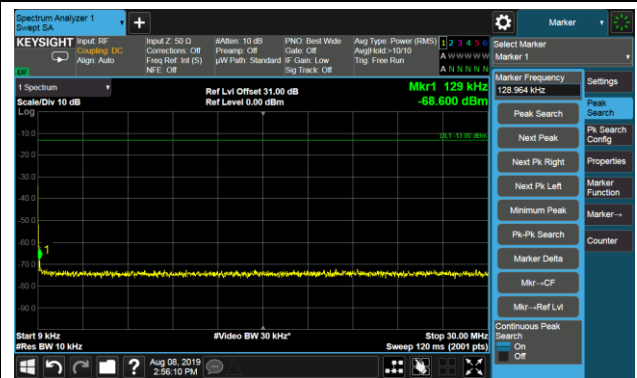
For above 250% of Authorization Bandwidth =  $34.52 - [43 + 10 \log_{10} (2.831)] = -13\text{dBm}$ .

## 1/2 OQPSK (256kbps) - 13750MHz - Unwanted Emission at Antenna Terminal

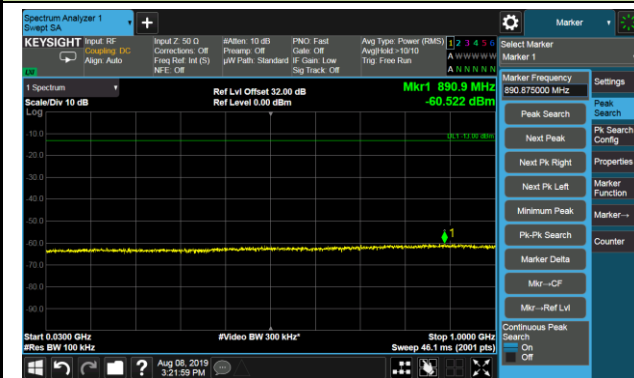
### In-band Mask



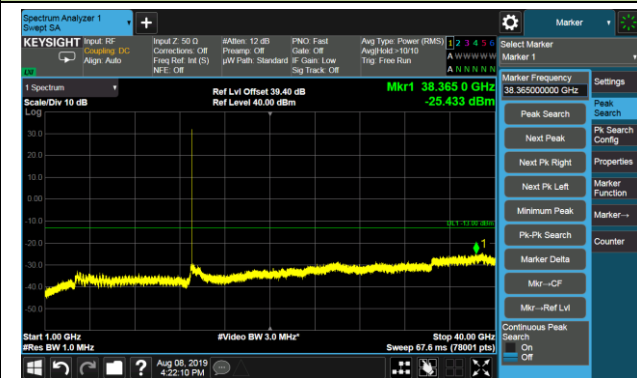
### 9kHz - 30MHz



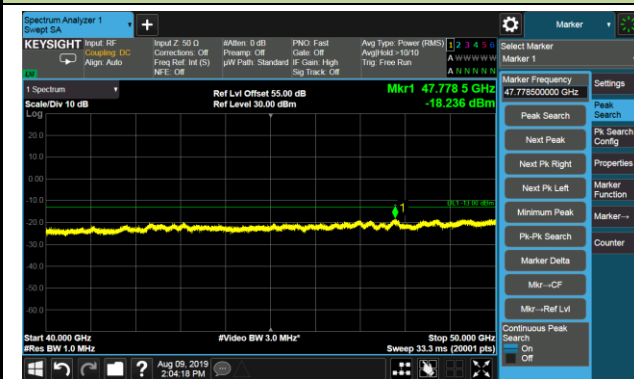
### 30MHz - 1GHz



### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

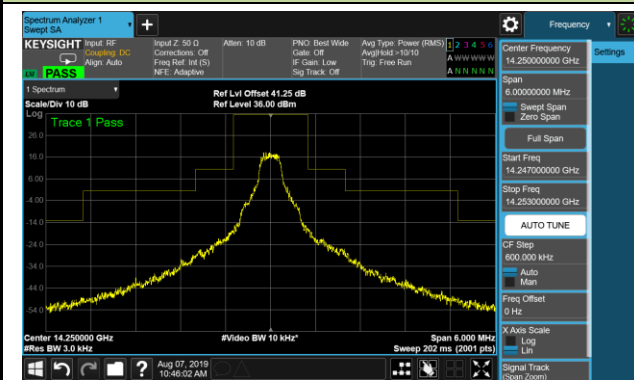
For 50% - 100% of Authorization Bandwidth =  $34.98 - 25 = 9.98\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $34.98 - 35 = -0.02\text{dBm}$ ;

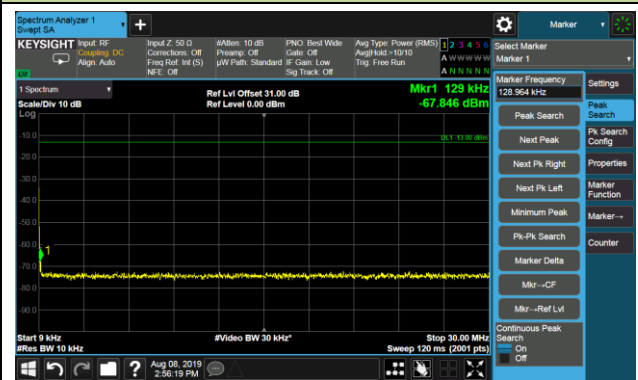
For above 250% of Authorization Bandwidth =  $34.98 - [43 + 10 \log_{10}(3.148)] = -13\text{dBm}$ .

## 1/2 OQPSK (256kbps) - 14250MHz - Unwanted Emission at Antenna Terminal

### In-band Mask



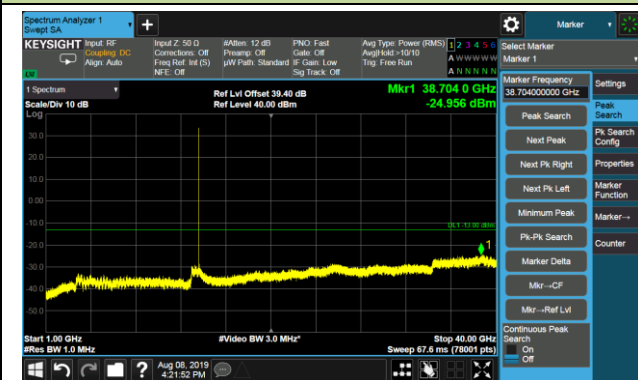
### 9kHz - 30MHz



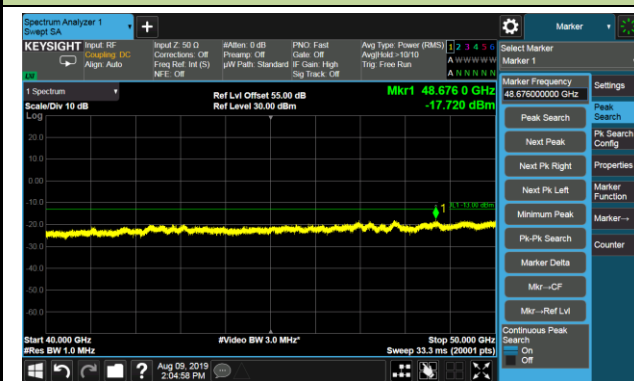
### 30MHz - 1GHz



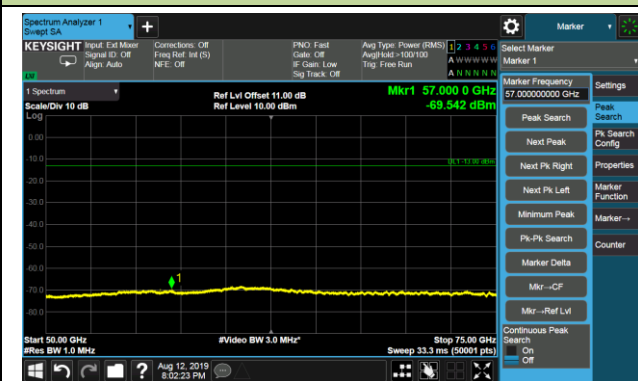
### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

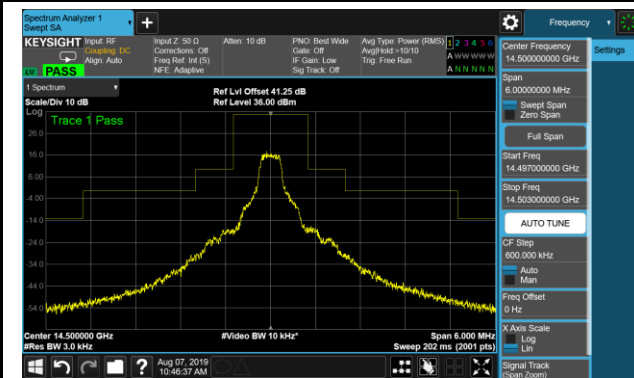
For 50% - 100% of Authorization Bandwidth =  $35.52 - 25 = 10.52\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $35.52 - 35 = 0.52\text{dBm}$ ;

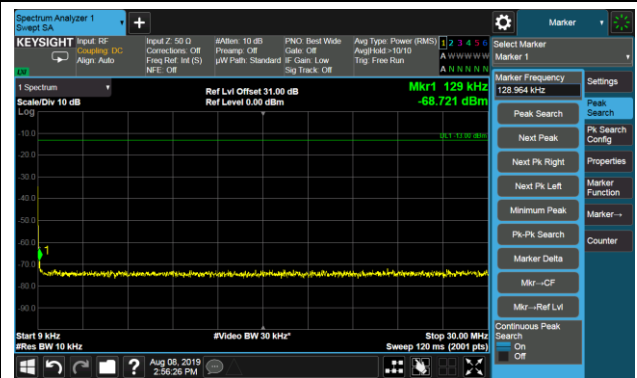
For above 250% of Authorization Bandwidth =  $35.52 - [43 + 10 \log_{10}(3.565)] = -13\text{dBm}$ .

## 1/2 OQPSK (256kbps) - 14500MHz - Unwanted Emission at Antenna Terminal

### In-band Mask



### 9kHz - 30MHz



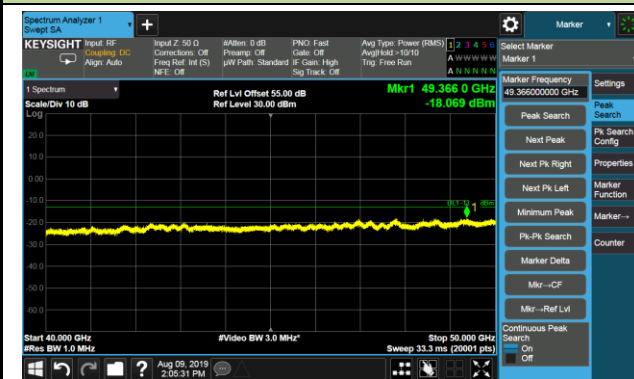
### 30MHz - 1GHz



### 1GHz - 40GHz



### 40GHz - 50GHz



### 50GHz - 75GHz



Note 1: Authorization Bandwidth = 1MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth =  $34.56 - 25 = 9.56\text{dBm}$ ;

For 100% - 250% of Authorization Bandwidth =  $34.56 - 35 = -0.44\text{dBm}$ ;

For above 250% of Authorization Bandwidth =  $34.56 - [43 + 10 \log_{10}(2.858)] = -13\text{dBm}$ .