1/2 QPSK (3000kbps) -13750MHz - Unwanted Emission at Antenna Terminal
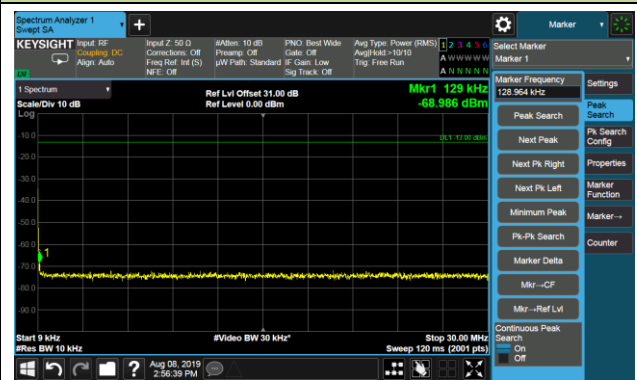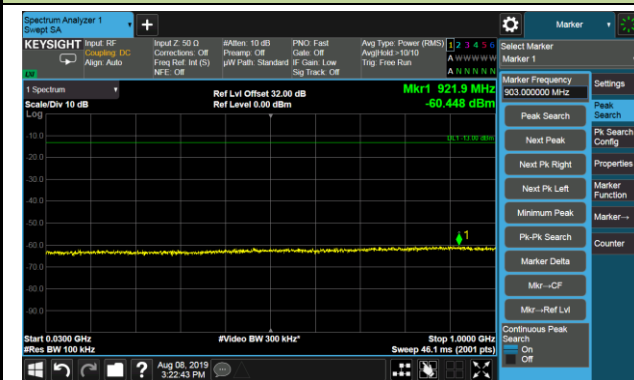
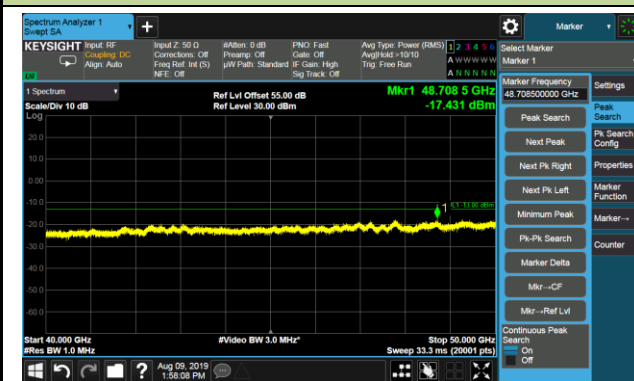| In-band Mask	9kHz - 30MHz

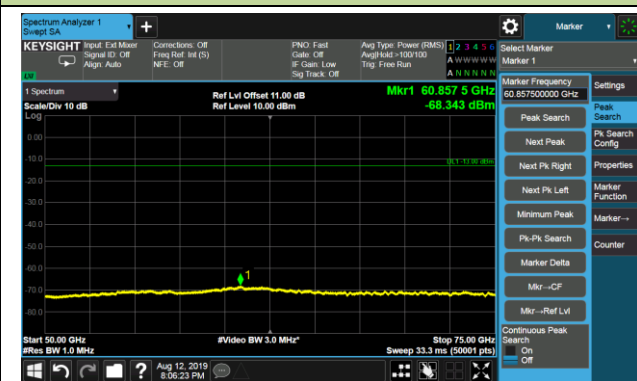| 30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 34.21 - 25 = 9.21dBm;

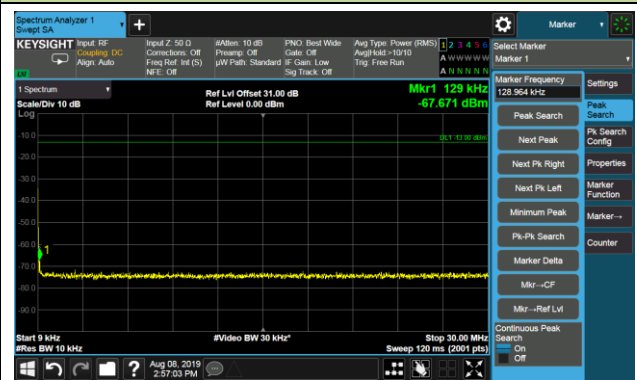For 100% - 250% of Authorization Bandwidth = 34.21 - 35 = -0.79dBm;

For above 250% of Authorization Bandwidth = 34.21 - [43 + 10 $\log_{10}$ (2.636)] = -13dBm.

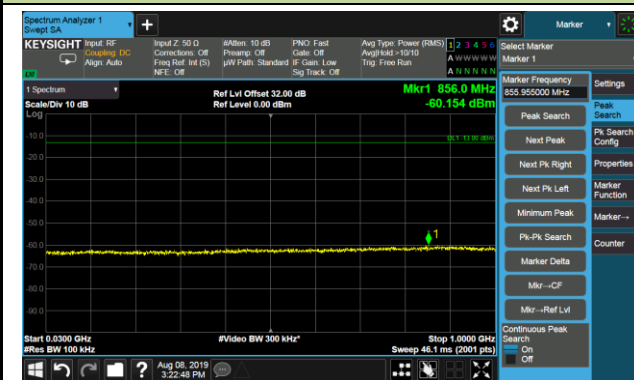## 1/2 QPSK (3000kbps) -14250MHz - Unwanted Emission at Antenna Terminal
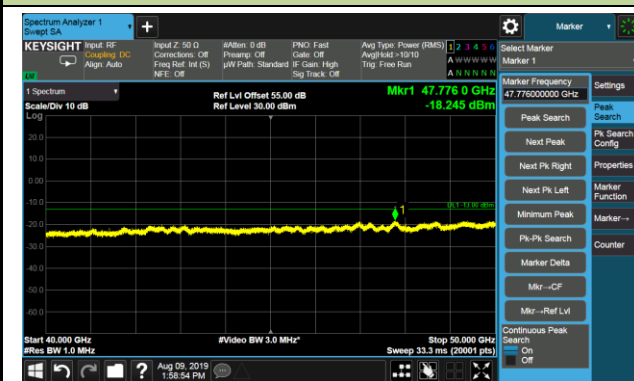
In-band Mask	9kHz - 30MHz

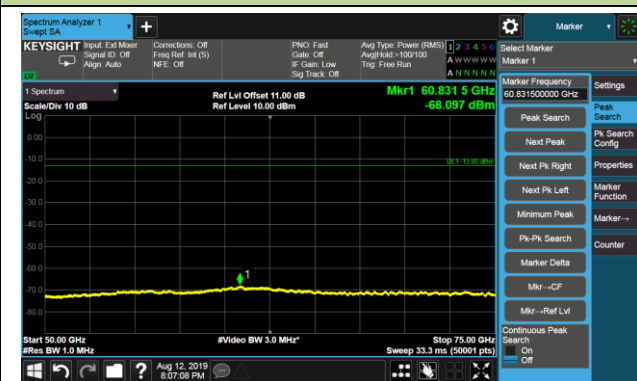| 30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 34.70 - 25 = 9.70dBm;

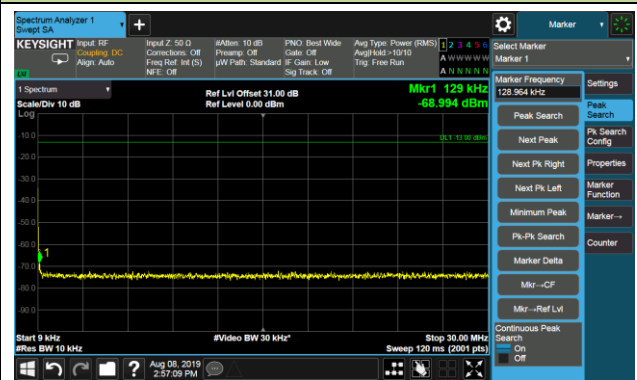For 100% - 250% of Authorization Bandwidth = 34.70 - 35 = -0.30dBm;

For above 250% of Authorization Bandwidth = 34.70 - [43 + 10 $\log_{10}$ (2.951)] = -13dBm.

1/2 QPSK (3000kbps) -14500MHz - Unwanted Emission at Antenna Terminal
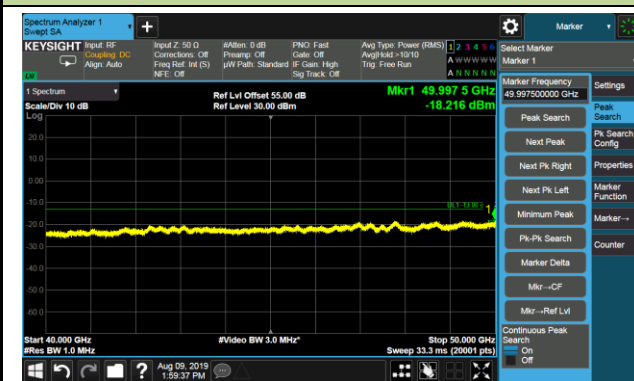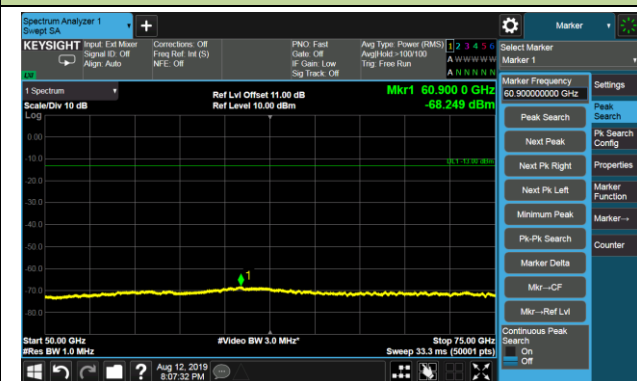
In-band Mask	9kHz - 30MHz

30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 33.95 - 25 = 8.95dBm;

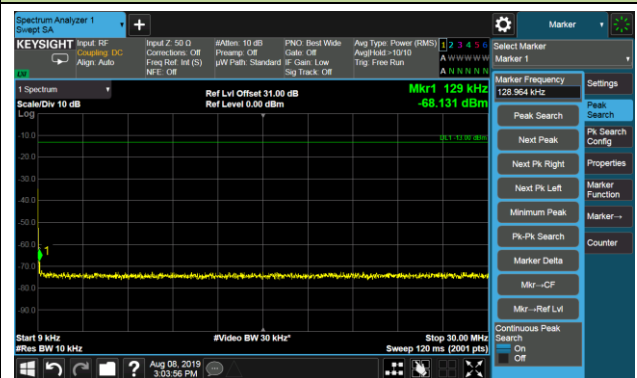For 100% - 250% of Authorization Bandwidth = 33.95 - 35 = -1.05dBm;

For above 250% of Authorization Bandwidth = 33.95 - [43 + 10 $\log_{10}$ (2.483)] = -13dBm.

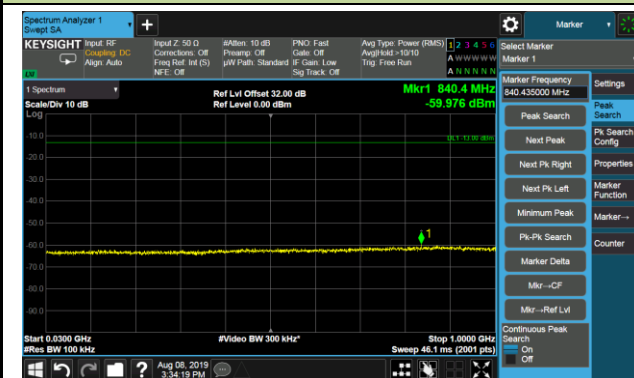## 3/4 QPSK (4500kbps) - 13750MHz - Unwanted Emission at Antenna Terminal

In-band Mask	9kHz - 30MHz

30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.
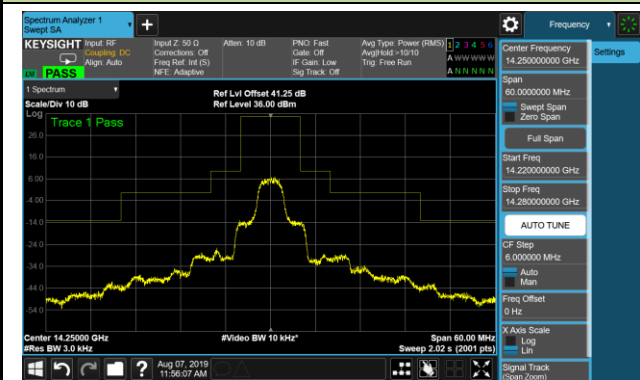
Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 34.22 - 25 = 9.22dBm;

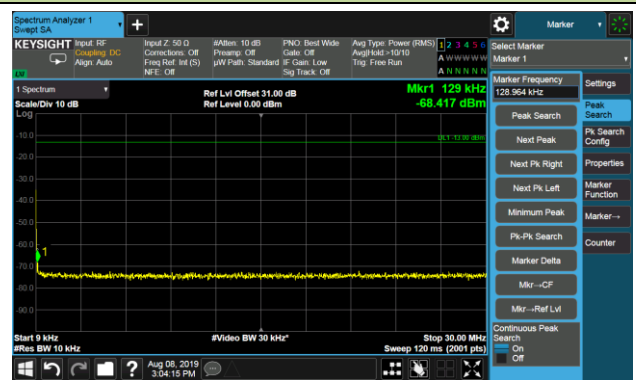For 100% - 250% of Authorization Bandwidth = 34.22 - 35 = -0.78dBm;

For above 250% of Authorization Bandwidth = 34.22 - [43 + 10 $\log_{10}$ (2.642)] = -13dBm.

3/4 QPSK (4500kbps) - 14250MHz - Unwanted Emission at Antenna Terminal	
In-band Mask	9kHz - 30MHz
30MHz - 1GHz	1GHz - 40GHz
40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 34.72 - 25 = 9.72dBm;

For 100% - 250% of Authorization Bandwidth = 34.72 - 35 = -0.28dBm;

For above 250% of Authorization Bandwidth = 34.72 - [43 + 10 $\log_{10}$ (2.965)] = -13dBm.

3/4 QPSK (4500kbps) - 14500MHz - Unwanted Emission at Antenna Terminal
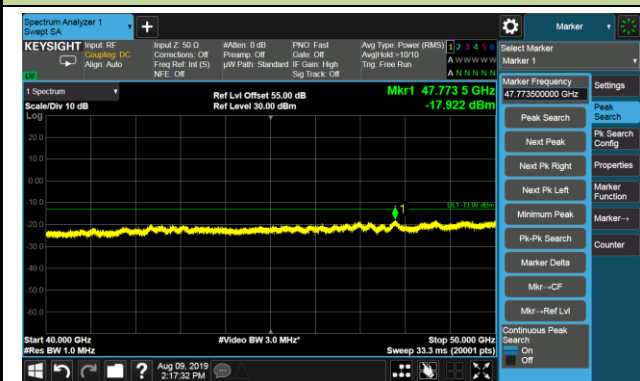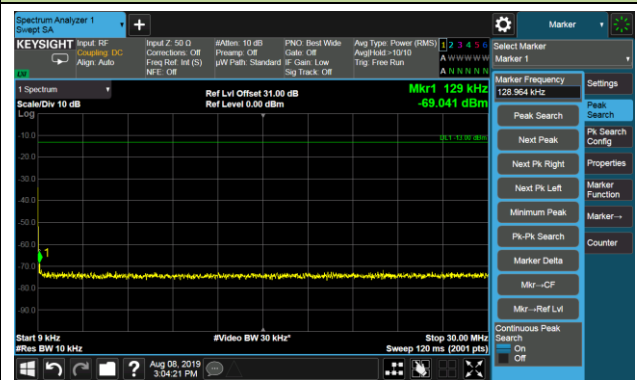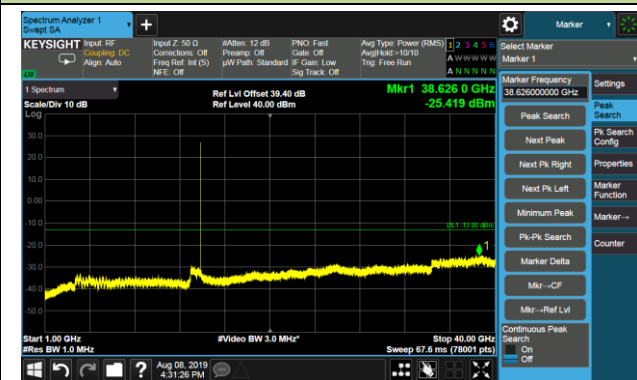
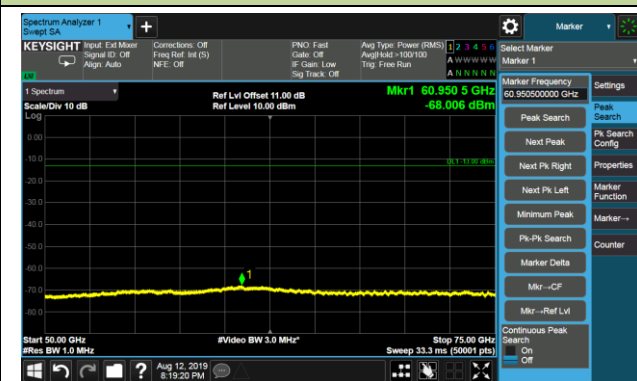| In-band Mask	9kHz - 30MHz

30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.
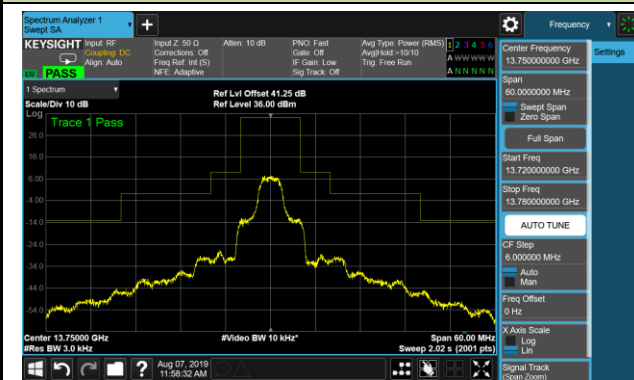
Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 33.98 - 25 = 8.98dBm;

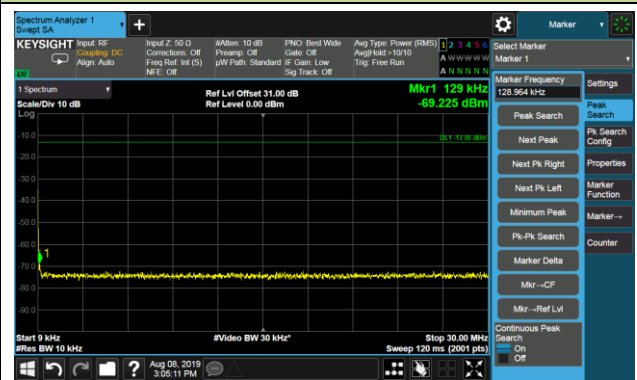For 100% - 250% of Authorization Bandwidth = 33.98 - 35 = -1.02dBm;

For above 250% of Authorization Bandwidth = 33.98 - [43 + 10 $\log_{10}$ (2.500)] = -13dBm.

7/8 QPSK (5000kbps) - 13750MHz - Unwanted Emission at Antenna Terminal
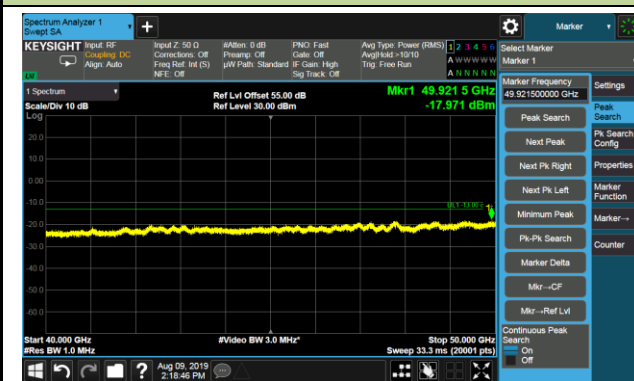
In-band Mask	9kHz - 30MHz

30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 34.26 - 25 = 9.26dBm;

For 100% - 250% of Authorization Bandwidth = 34.26 - 35 = -0.74dBm;

For above 250% of Authorization Bandwidth = 34.26 - [43 + 10 $\log_{10}$ (2.667)] = -13dBm.

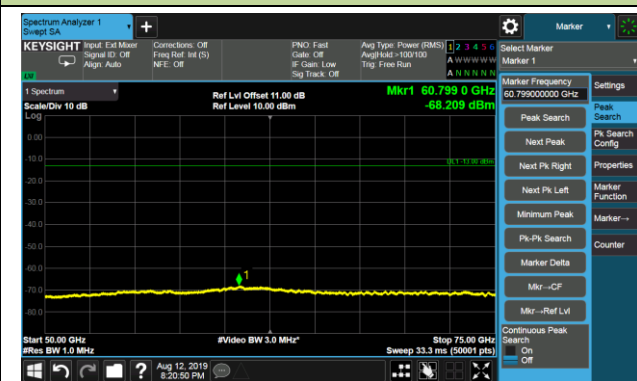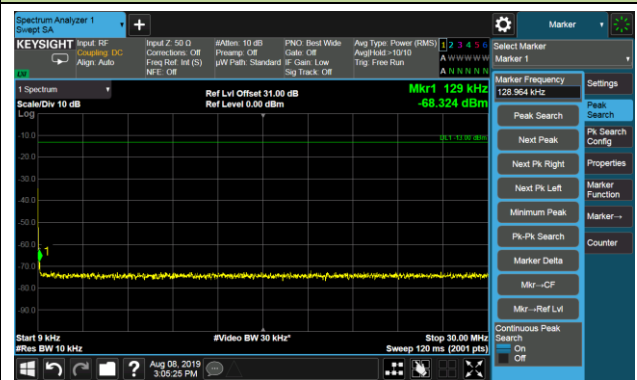| 7/8 QPSK (5000kbps) - 14250MHz - Unwanted Emission at Antenna Terminal	
In-band Mask	9kHz - 30MHz
30MHz - 1GHz	1GHz - 40GHz
40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 34.73 - 25 = 9.73dBm;

For 100% - 250% of Authorization Bandwidth = 34.73 - 35 = -0.27dBm;

For above 250% of Authorization Bandwidth = 34.73 - [43 + 10 $\log_{10}$ (2.972)] = -13dBm.

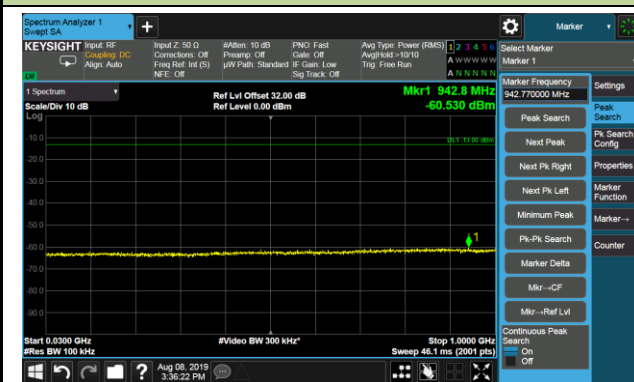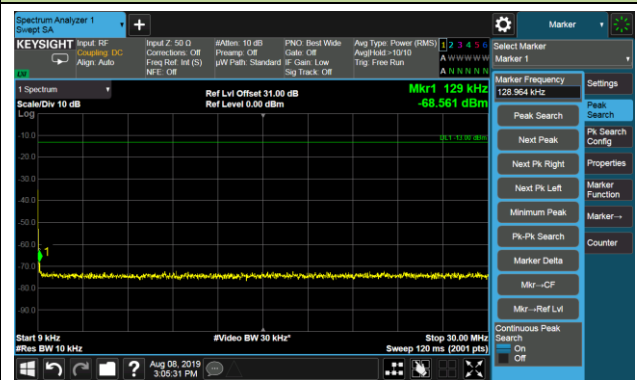## 7/8 QPSK (5000kbps) - 14500MHz - Unwanted Emission at Antenna Terminal
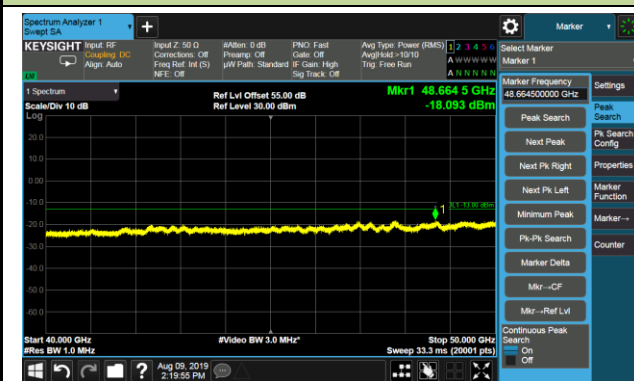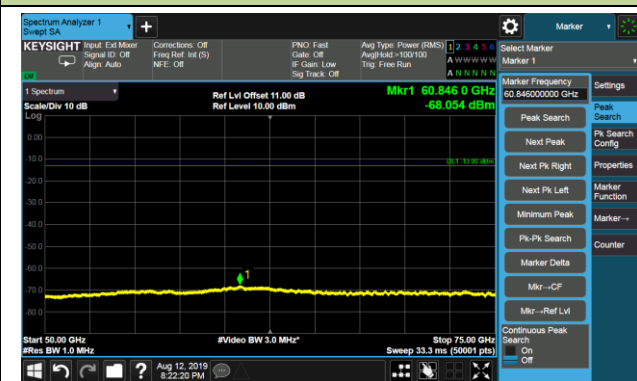
In-band Mask	9kHz - 30MHz

30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 34.01 - 25 = 9.01dBm;

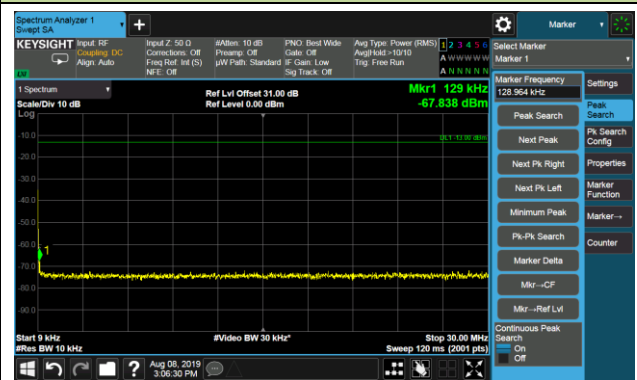For 100% - 250% of Authorization Bandwidth = 34.01 - 35 = -0.99dBm;

For above 250% of Authorization Bandwidth = 34.01 - [43 + 10 $\log_{10}$ (2.518)] = -13dBm.

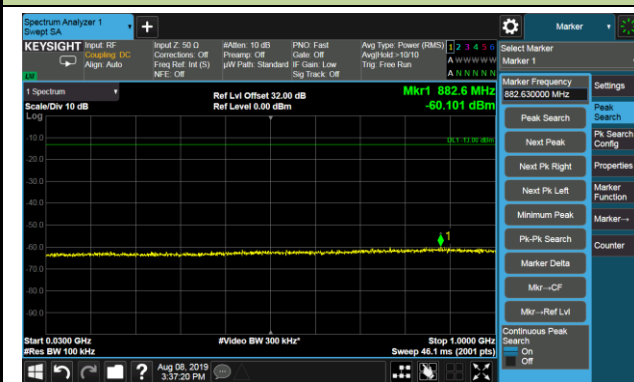## 21/44 QPSK (2863.636kbps) - 13750MHz - Unwanted Emission at Antenna Terminal

In-band Mask	9kHz - 30MHz

30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 34.24 - 25 = 9.24dBm;

For 100% - 250% of Authorization Bandwidth = 34.24 - 35 = -0.76dBm;

For above 250% of Authorization Bandwidth = 34.24 - [43 + 10 $\log_{10}$ (2.655)] = -13dBm.

21/44 QPSK (2863.636kbps) - 14250MHz - Unwanted Emission at Antenna Terminal
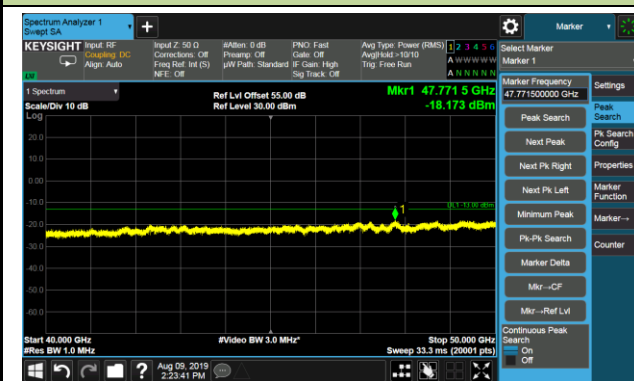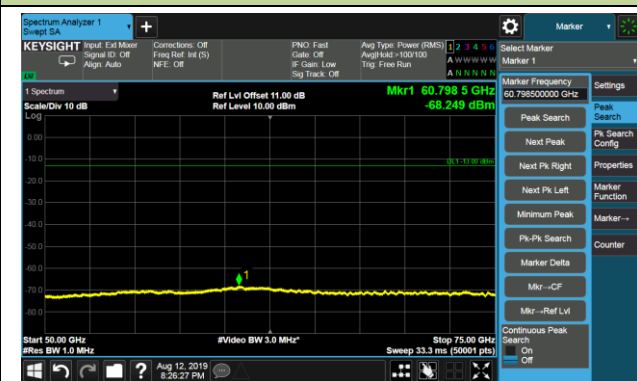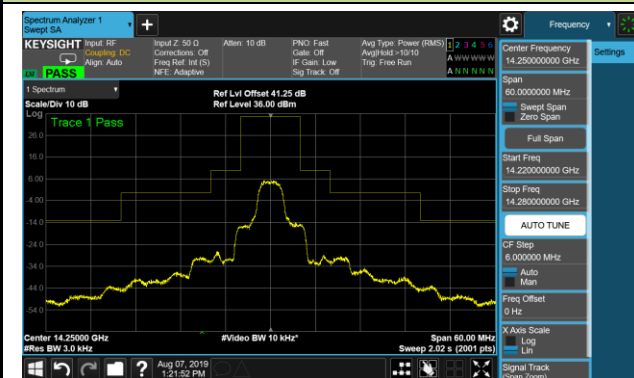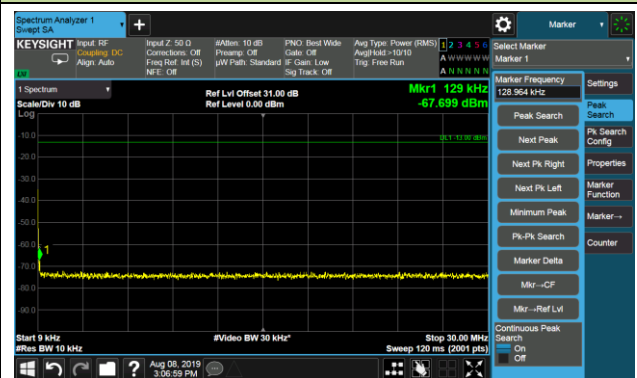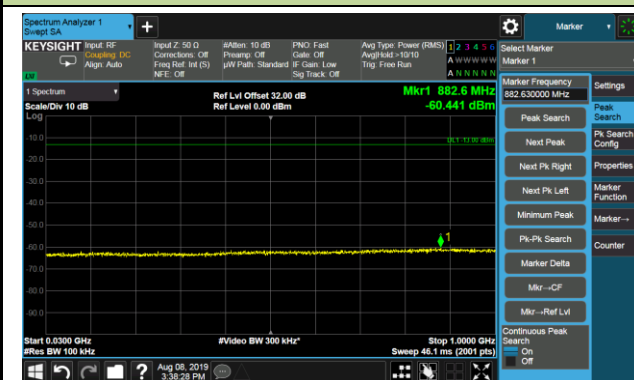
In-band Mask	9kHz - 30MHz

30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 34.75 - 25 = 9.75dBm;

For 100% - 250% of Authorization Bandwidth = 34.75 - 35 = -0.25dBm;

For above 250% of Authorization Bandwidth = 34.75 - [43 + 10 $\log_{10}$ (2.985)] = -13dBm.

21/44 QPSK (2863.636kbps) - 14500MHz - Unwanted Emission at Antenna Terminal
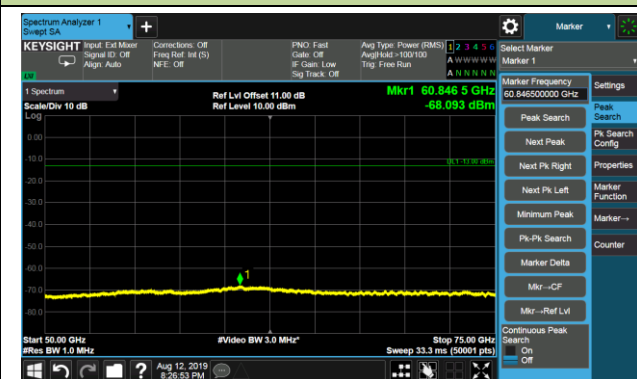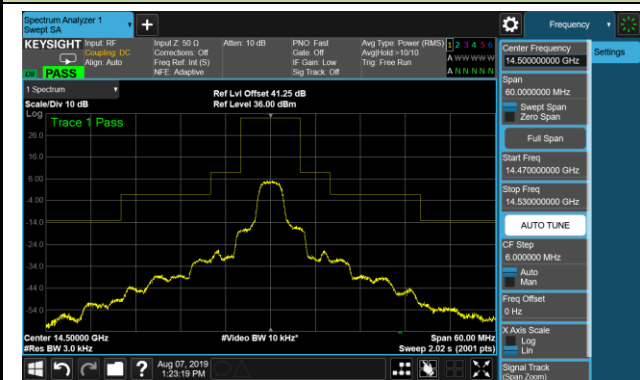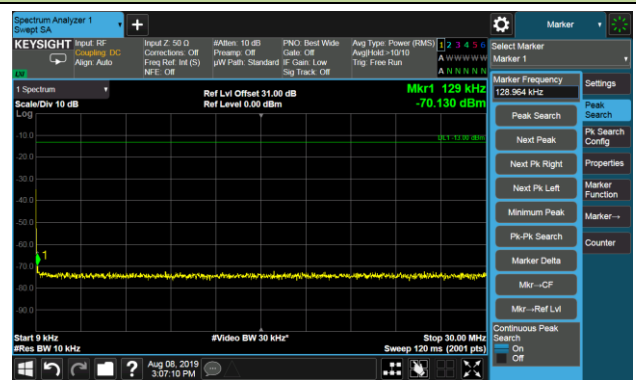
In-band Mask	9kHz - 30MHz

30MHz - 1GHz	1GHz - 40GHz

40GHz - 50GHz	50GHz - 75GHz

Note 1: Authorization Bandwidth = 8MHz.

Note 2: Emission limits are calculated based on following:

For 50% - 100% of Authorization Bandwidth = 33.98 - 25 = 8.98dBm;

For 100% - 250% of Authorization Bandwidth = 33.98 - 35 = -1.02dBm;

For above 250% of Authorization Bandwidth = 33.98 - [43 + 10 $\log_{10}$ (2.500)] = -13dBm.