**LTE band 13 , 10MHz Bandwidth,LOW,256QAM (99% BW)**
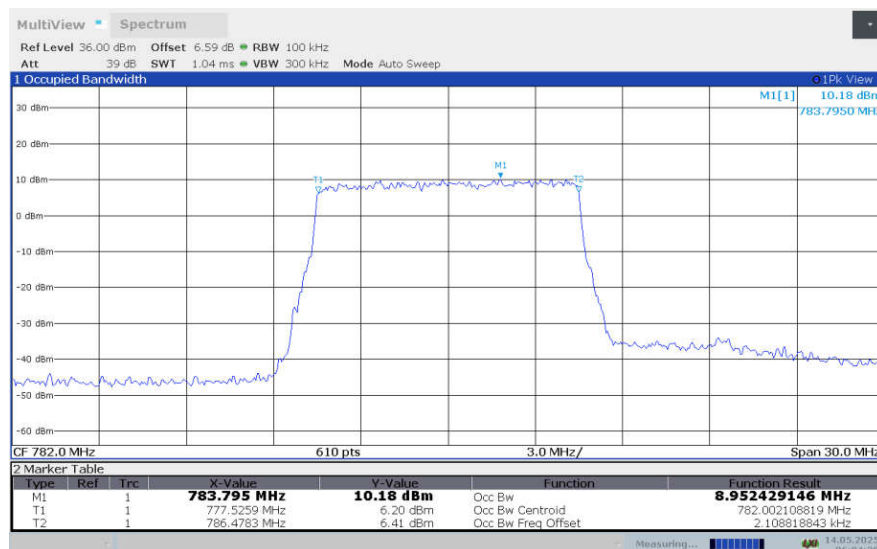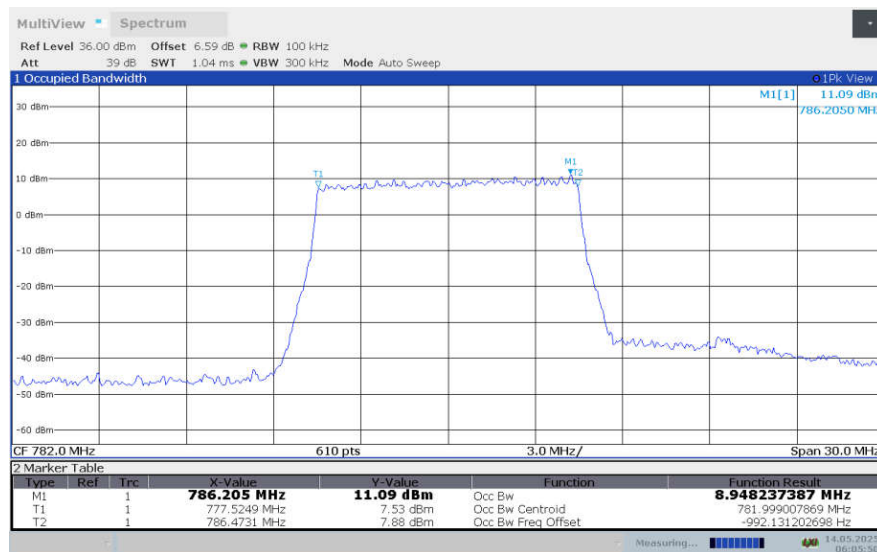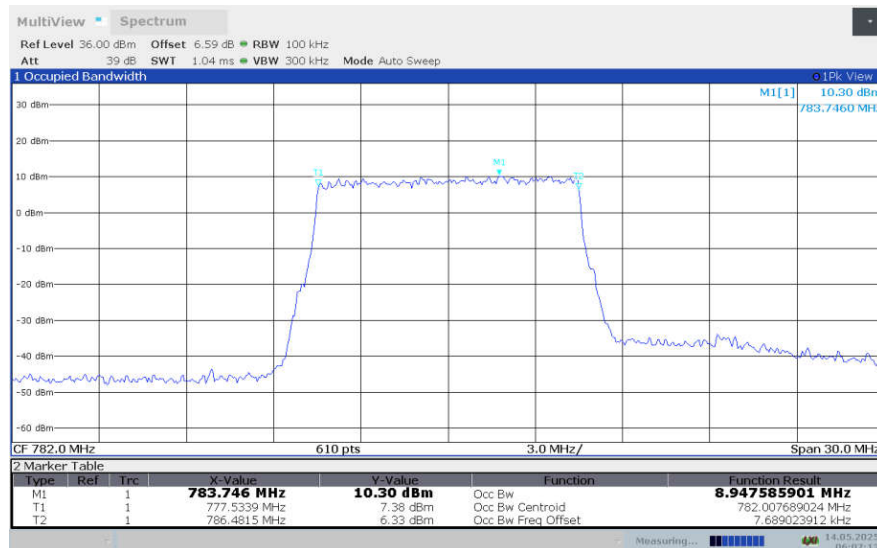


**LTE band 13 , 10MHz Bandwidth,MID,256QAM (99% BW)**

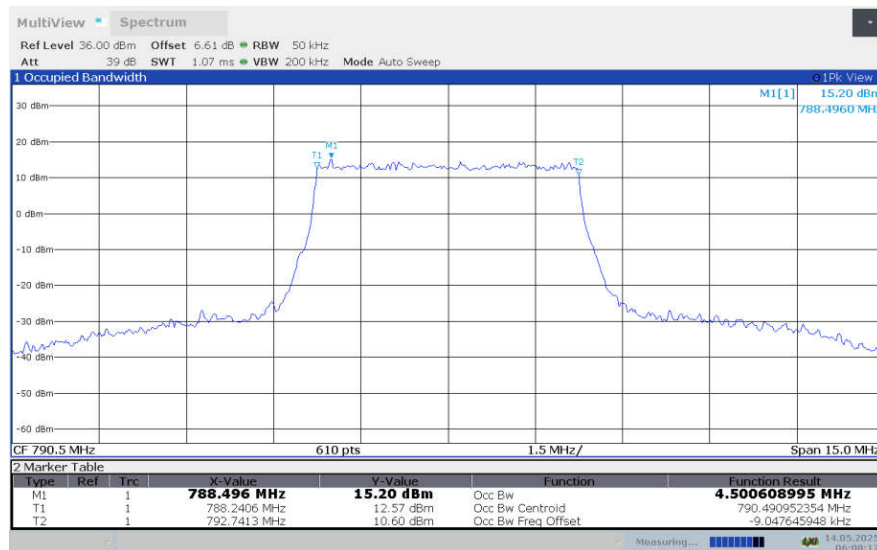**LTE band 13 , 10MHz Bandwidth,HIGH,256QAM (99% BW)**
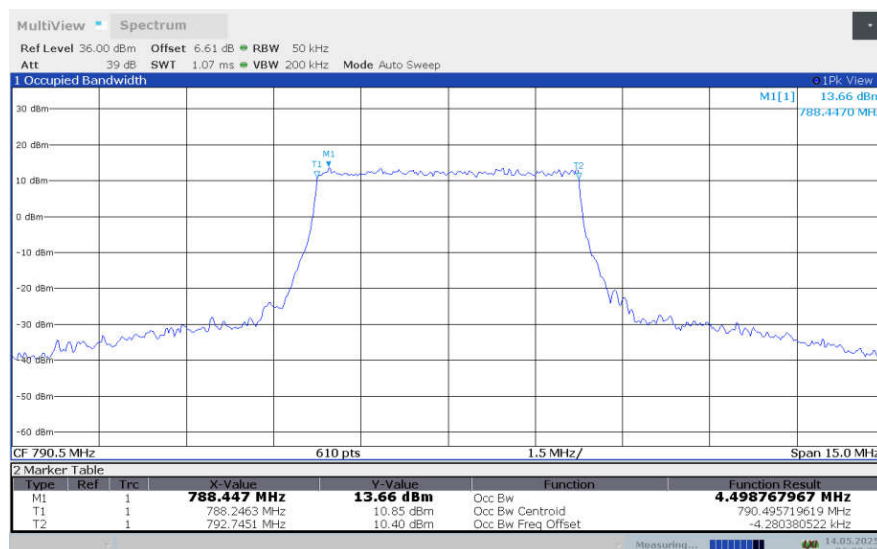
**LTE band 14,5MHz(99%)**

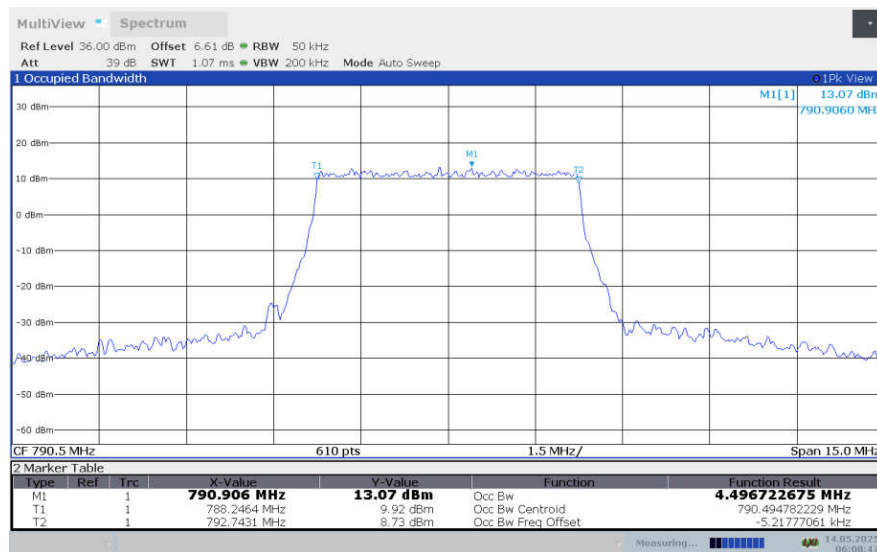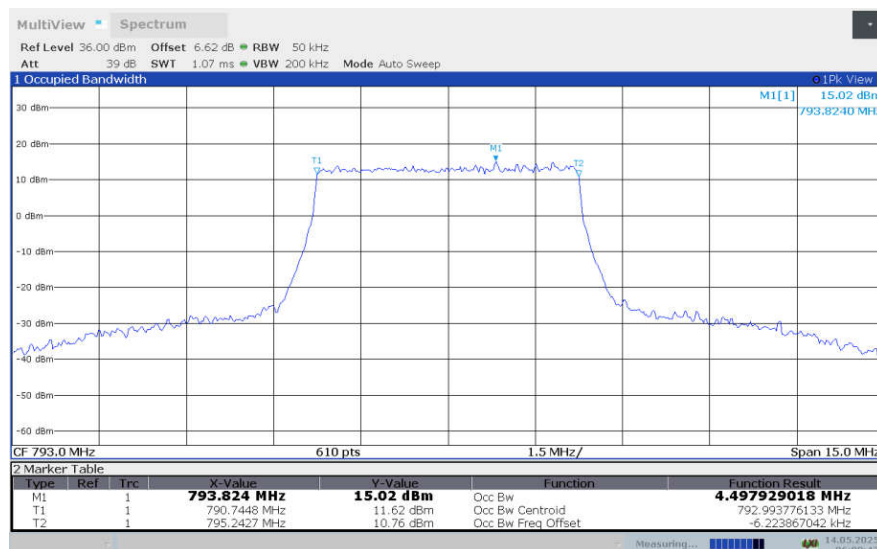| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) | | | |
|---|---|---|---|---|
| | QPSK | 16QAM | 64QAM | 256QAM |
| 790.5 | 4.501 | 4.499 | 4.497 | 4.496 |
| 793 | 4.498 | 4.498 | 4.500 | 4.499 |
| 795.5 | 4.487 | 4.500 | 4.499 | 4.501 |

### LTE band 14 , 5MHz Bandwidth,LOW,QPSK (99% BW)



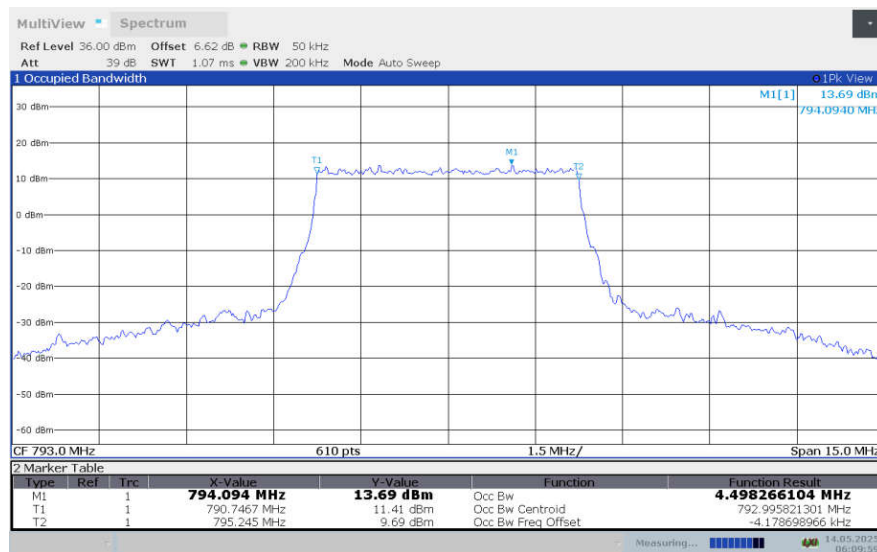### LTE band 14 , 5MHz Bandwidth,LOW,16QAM (99% BW)



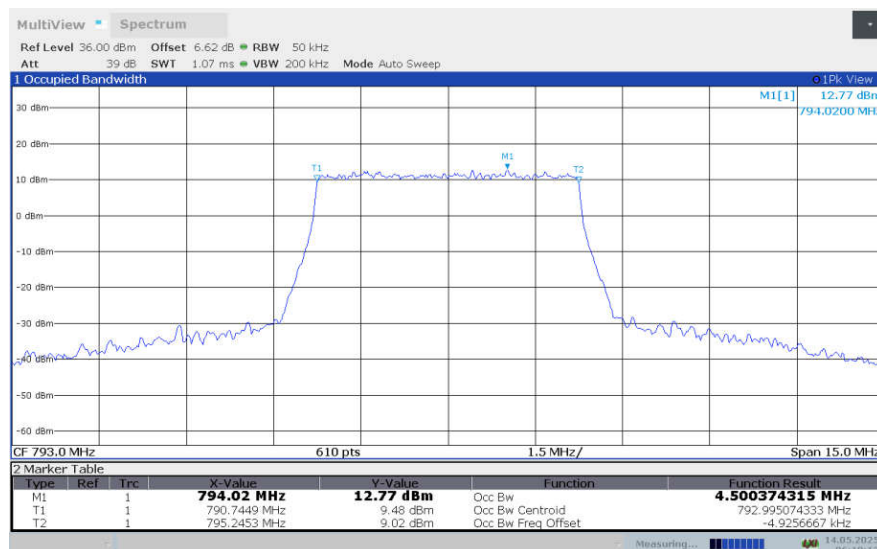### LTE band 14 , 5MHz Bandwidth,LOW,64QAM (99% BW)

MultiView • Spectrum

Ref Level 36.00 dBm   Offset 6.61 dB   ● RBW  50 kHz
Att      39 dB   SWT  1.07 ms  ● VBW  200 kHz   Mode Auto Sweep

1 Occupied Bandwidth                                                      ● 1Pk View
                                                          M1[1]    13.07 dBm
                                                                   790.9060 MHz

CF 790.5 MHz                     610 pts            1.5 MHz/              Span 15.0 MHz

2 Marker Table

| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result |
|------|-----|-----|---------|---------|----------|-----------------|
| M1 | | 1 | **790.906 MHz** | **13.07 dBm** | Occ Bw | **4.496722675 MHz** |
| T1 | | 1 | 788.2464 MHz | 9.92 dBm | Occ Bw Centroid | 790.494782229 MHz |
| T2 | | 1 | 792.7431 MHz | 8.73 dBm | Occ Bw Freq Offset | -5.21777061 kHz |

Measuring...   14.05.2025  06:08:47

**LTE band 14 , 5MHz Bandwidth,MID,QPSK (99% BW)**

MultiView • Spectrum

Ref Level 36.00 dBm   Offset 6.62 dB   ● RBW  50 kHz
Att      39 dB   SWT  1.07 ms  ● VBW  200 kHz   Mode Auto Sweep

1 Occupied Bandwidth                                                      ● 1Pk View
                                                          M1[1]    15.02 dBm
                                                                   793.8240 MHz

CF 793.0 MHz                     610 pts            1.5 MHz/              Span 15.0 MHz

2 Marker Table

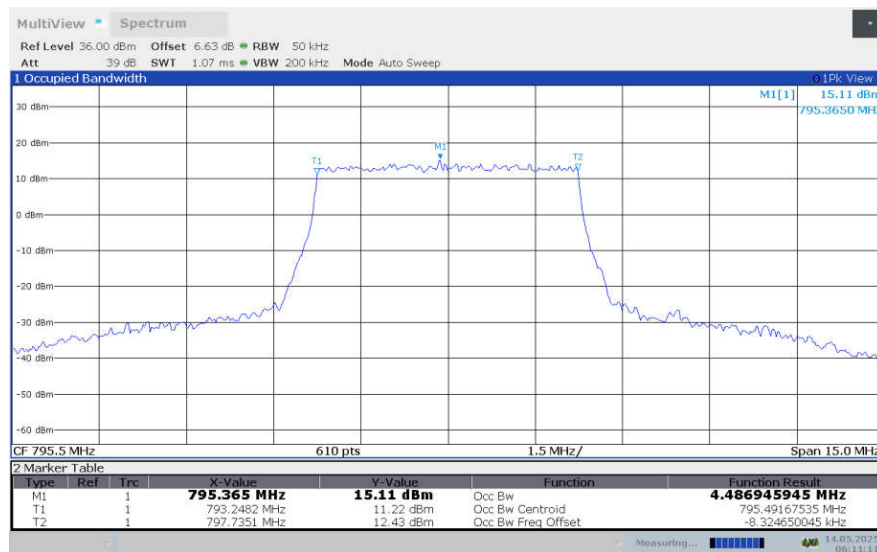| Type | Ref | Trc | X-Value | Y-Value | Function | Function Result |
|------|-----|-----|---------|---------|----------|-----------------|
| M1 | | 1 | **793.824 MHz** | **15.02 dBm** | Occ Bw | **4.497929018 MHz** |
| T1 | | 1 | 790.7448 MHz | 11.62 dBm | Occ Bw Centroid | 792.993776133 MHz |
| T2 | | 1 | 795.2427 MHz | 10.76 dBm | Occ Bw Freq Offset | -6.223867042 kHz |

Measuring...   14.05.2025  06:09:43
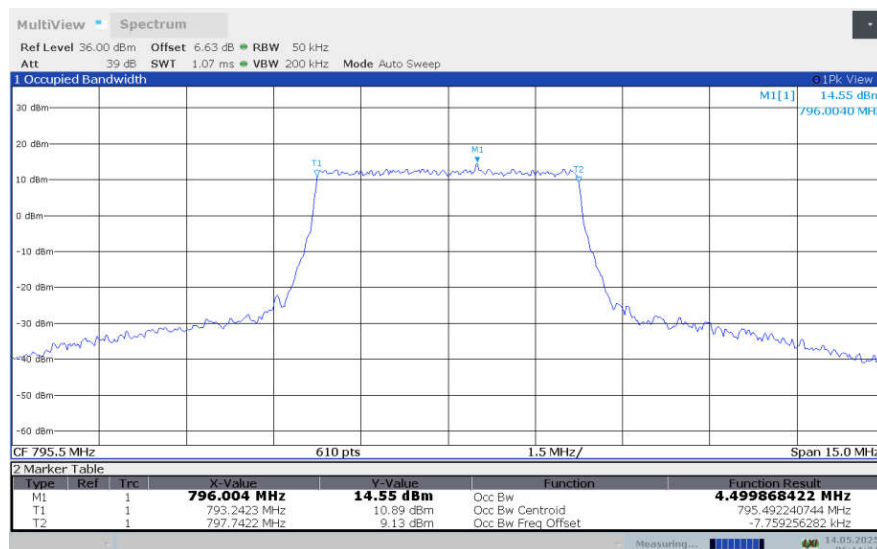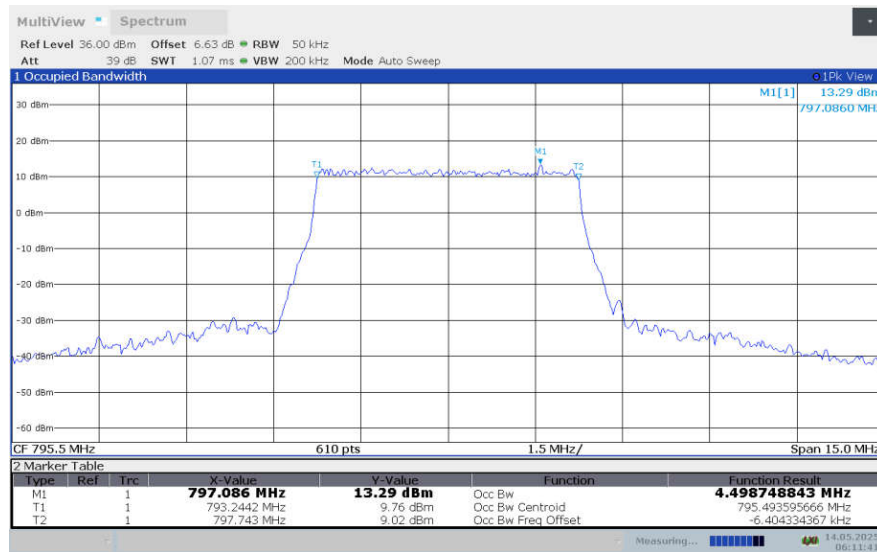
**LTE band 14 , 5MHz Bandwidth,MID,16QAM (99% BW)**

**LTE band 14 , 5MHz Bandwidth,MID,64QAM (99% BW)**



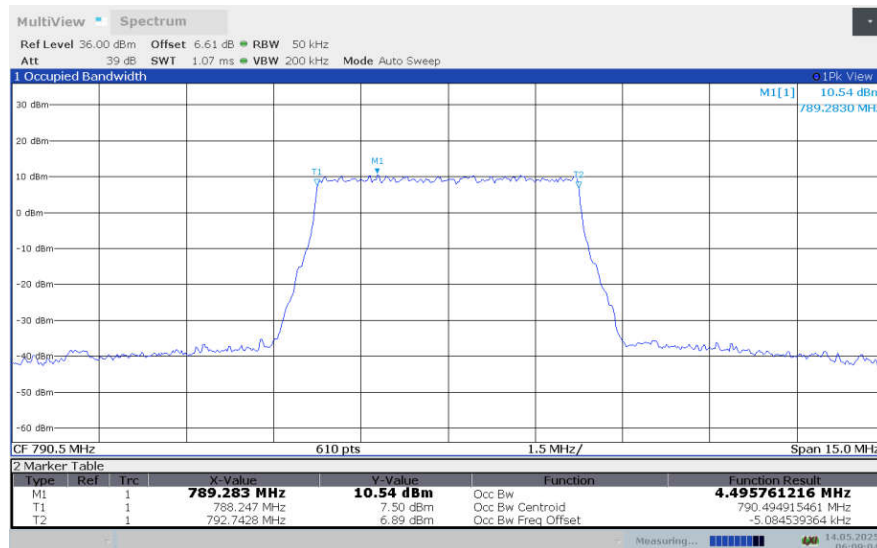**LTE band 14 , 5MHz Bandwidth,HIGH,QPSK (99% BW)**

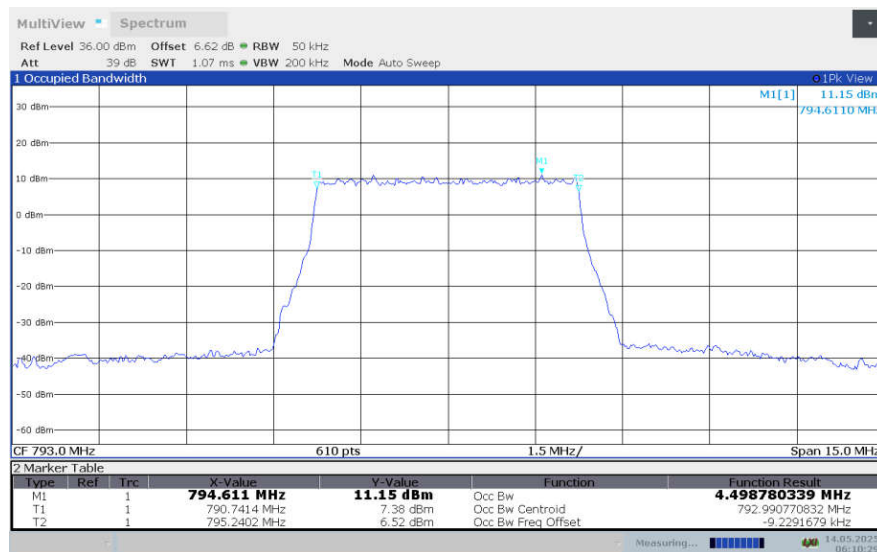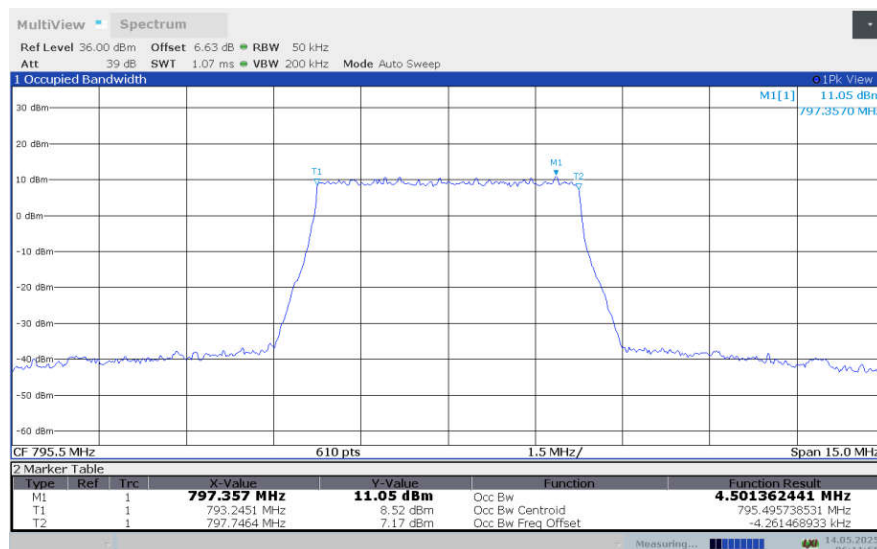**LTE band 14 , 5MHz Bandwidth,HIGH,16QAM (99% BW)**



**LTE band 14 , 5MHz Bandwidth,HIGH,64QAM (99% BW)**

**LTE band 14 , 5MHz Bandwidth,LOW,256QAM (99% BW)**



**LTE band 14 , 5MHz Bandwidth,MID,256QAM (99% BW)**

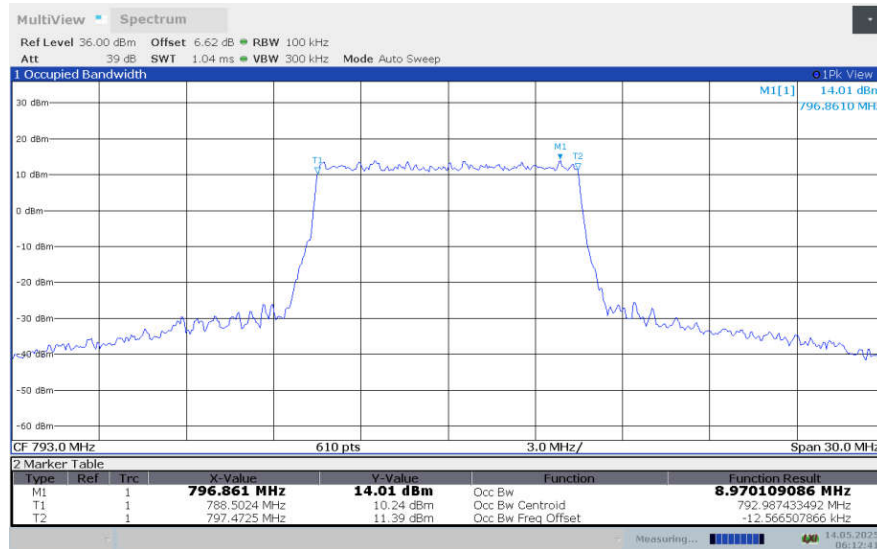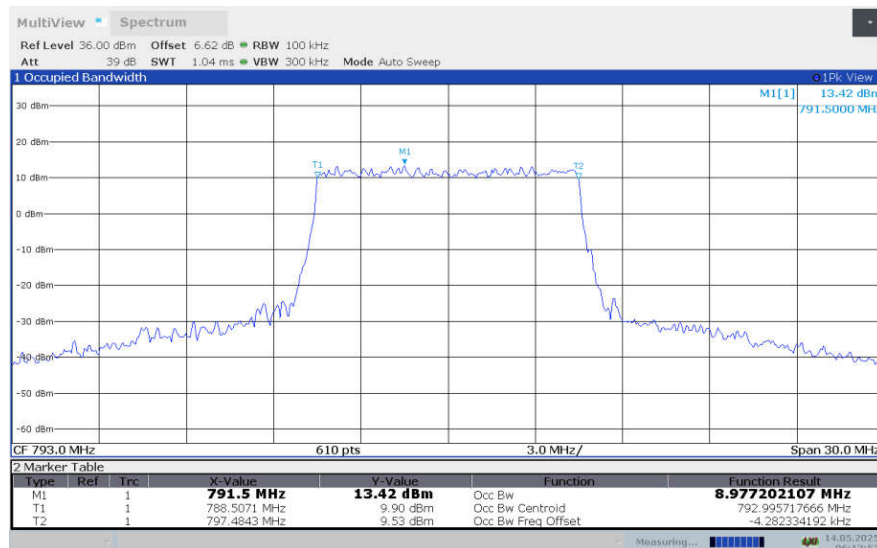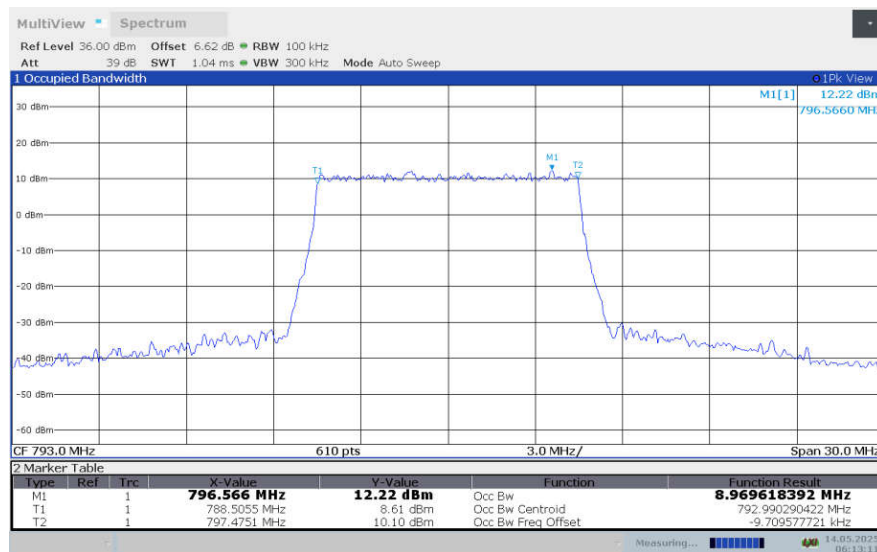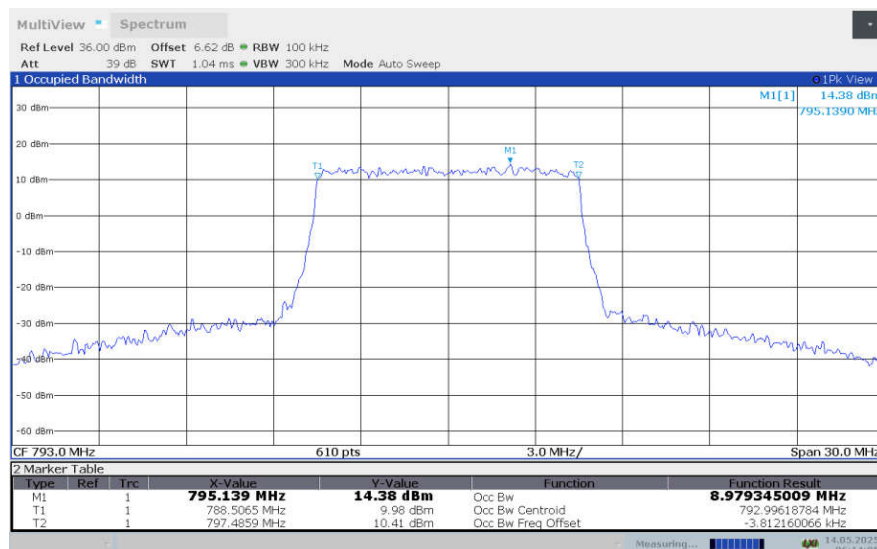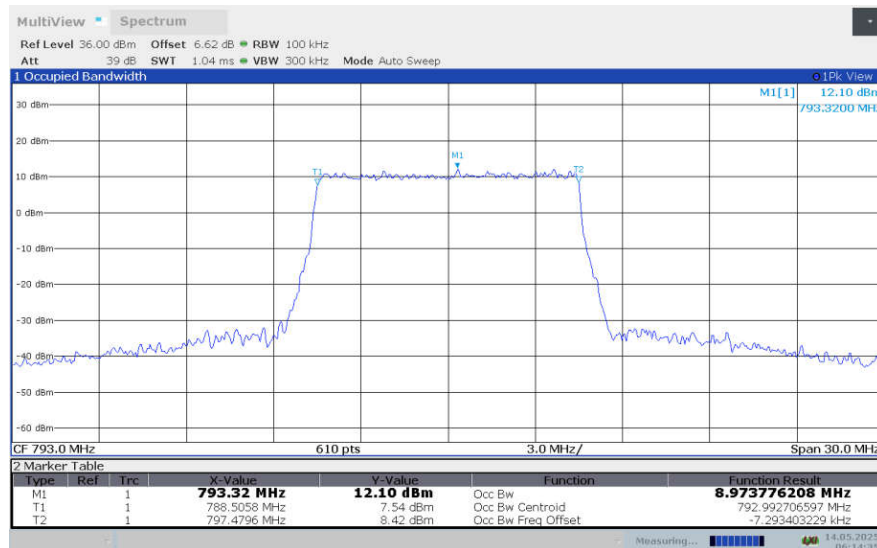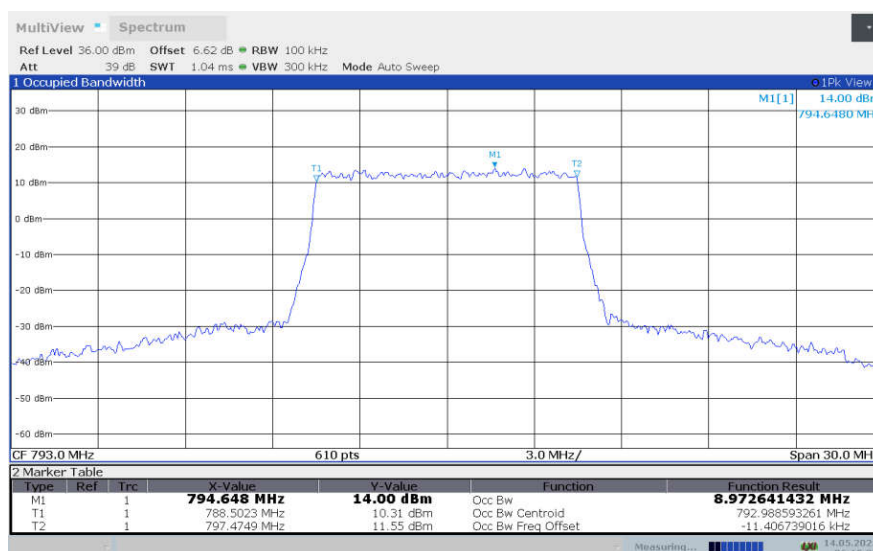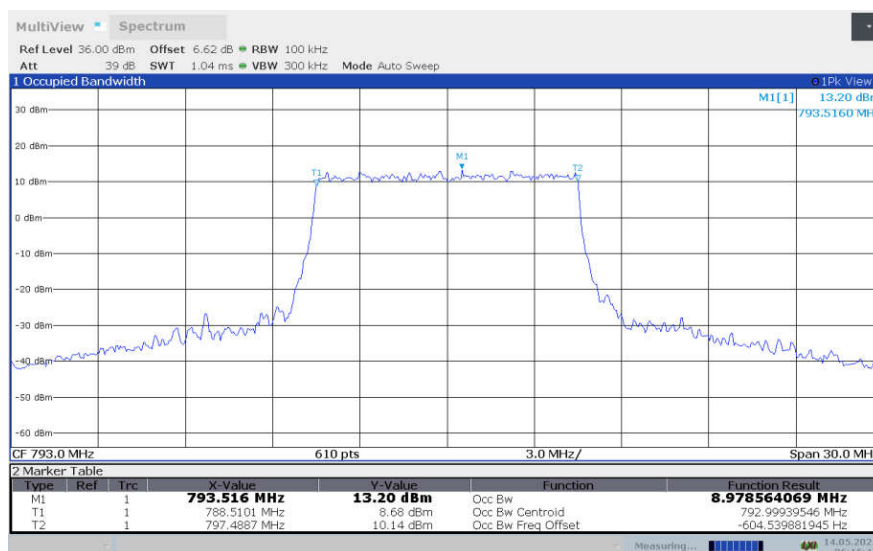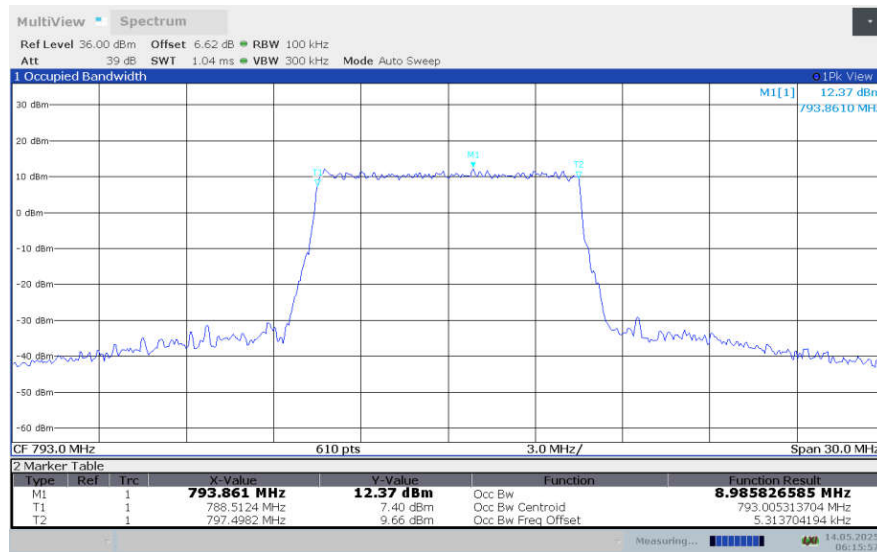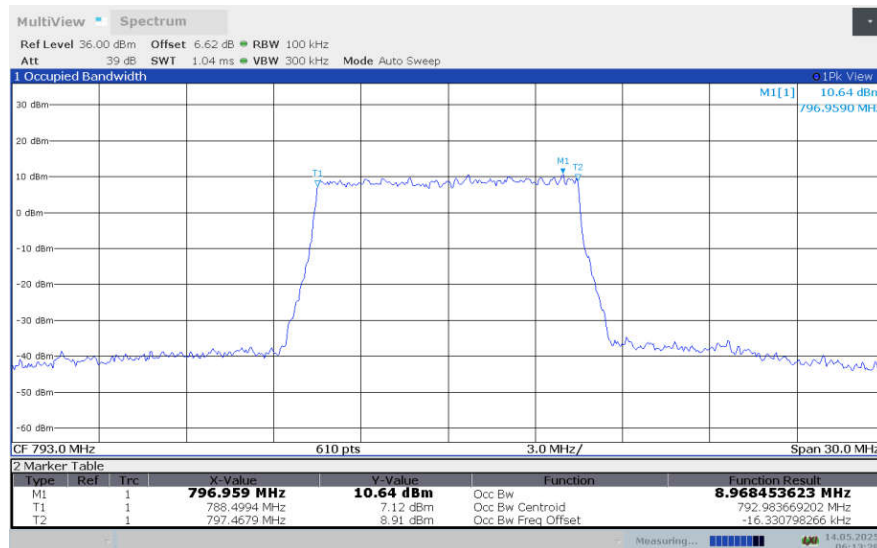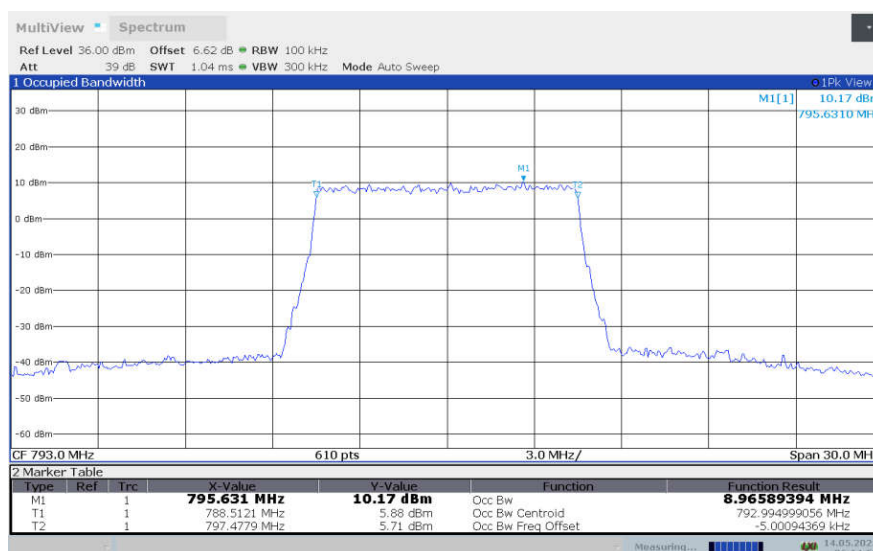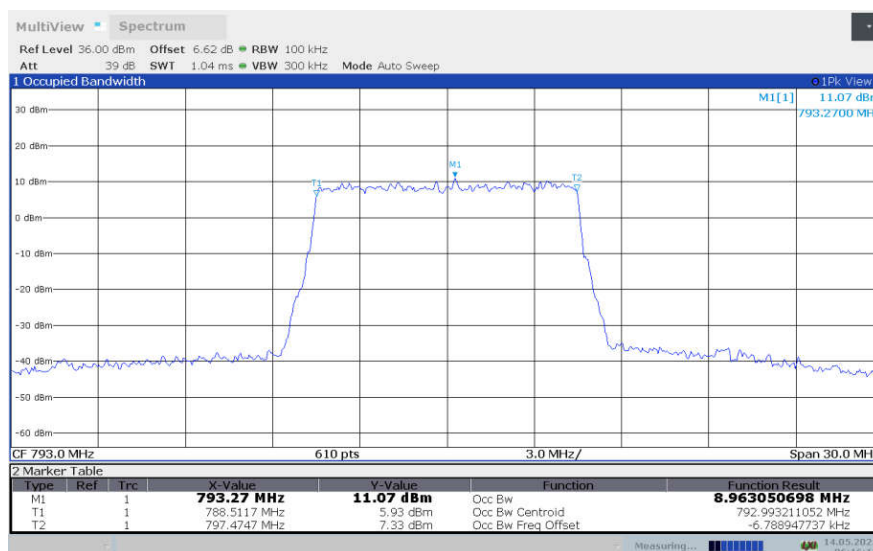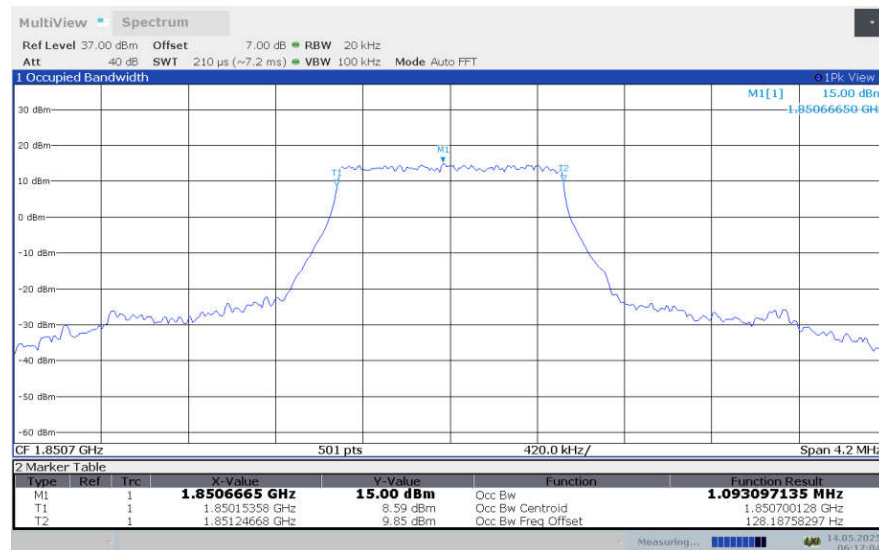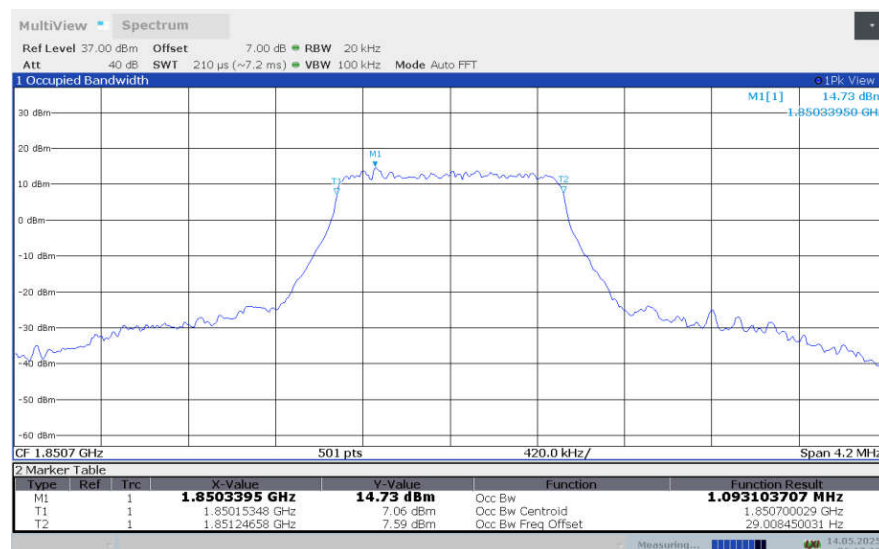**LTE band 14 , 5MHz Bandwidth,HIGH,256QAM (99% BW)**

### LTE band 14,10MHz(99%)

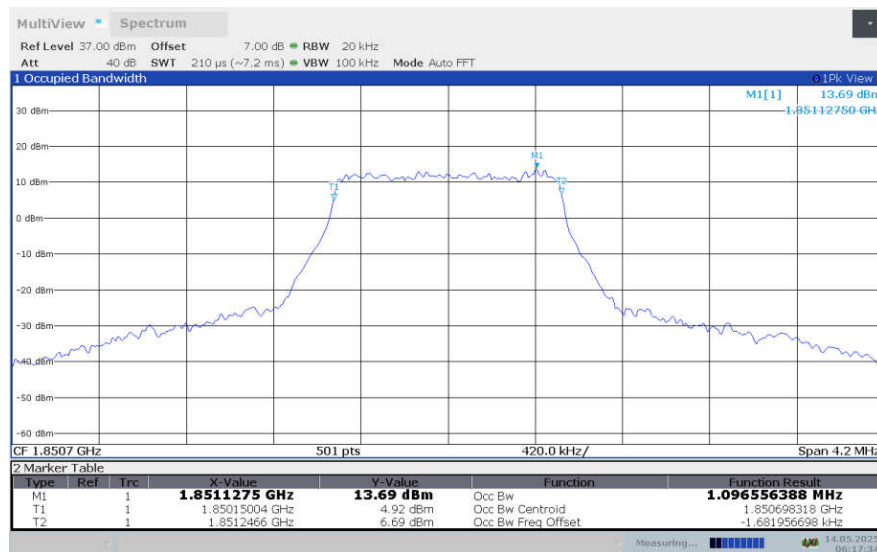| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) | | | |
|---|---|---|---|---|
| | QPSK | 16QAM | 64QAM | 256QAM |
| 793 | 8.970 | 8.977 | 8.970 | 8.968 |
| 793 | 8.979 | 8.981 | 8.974 | 8.966 |
| 793 | 8.973 | 8.979 | 8.986 | 8.963 |

### LTE band 14 , 10MHz Bandwidth,LOW,QPSK (99% BW)



### LTE band 14 , 10MHz Bandwidth,LOW,16QAM (99% BW)
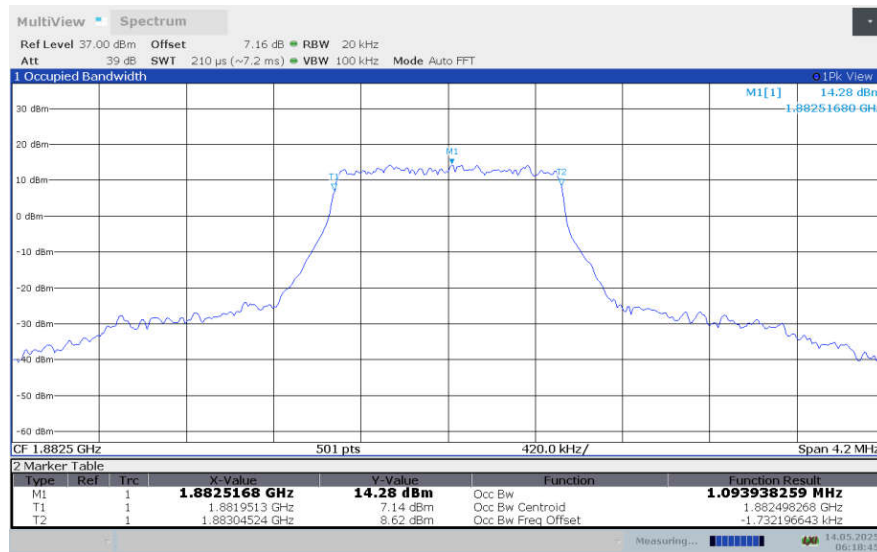


### LTE band 14 , 10MHz Bandwidth,LOW,64QAM (99% BW)
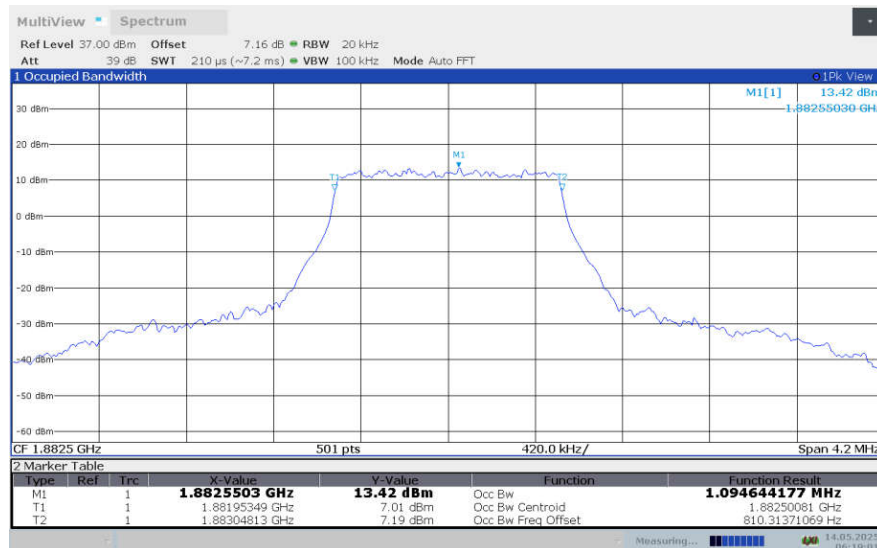
**LTE band 14 , 10MHz Bandwidth,MID,QPSK (99% BW)**



**LTE band 14 , 10MHz Bandwidth,MID,16QAM (99% BW)**
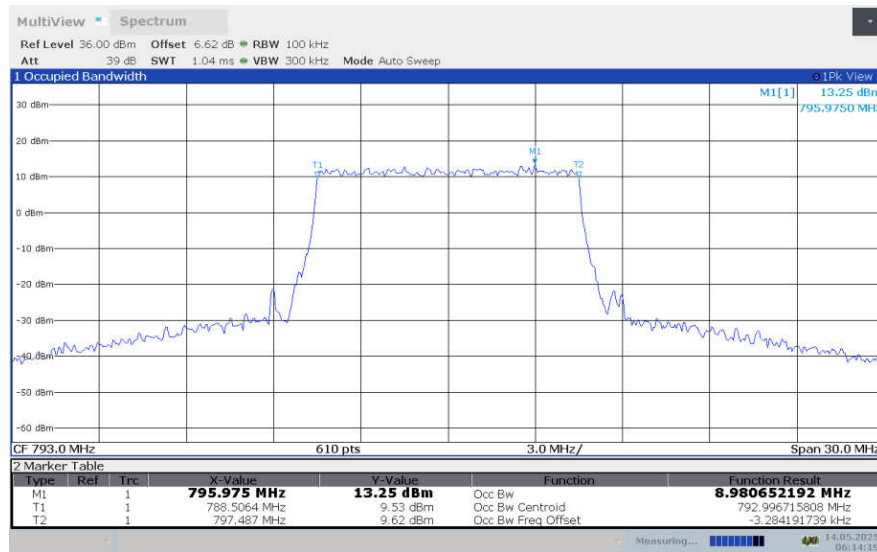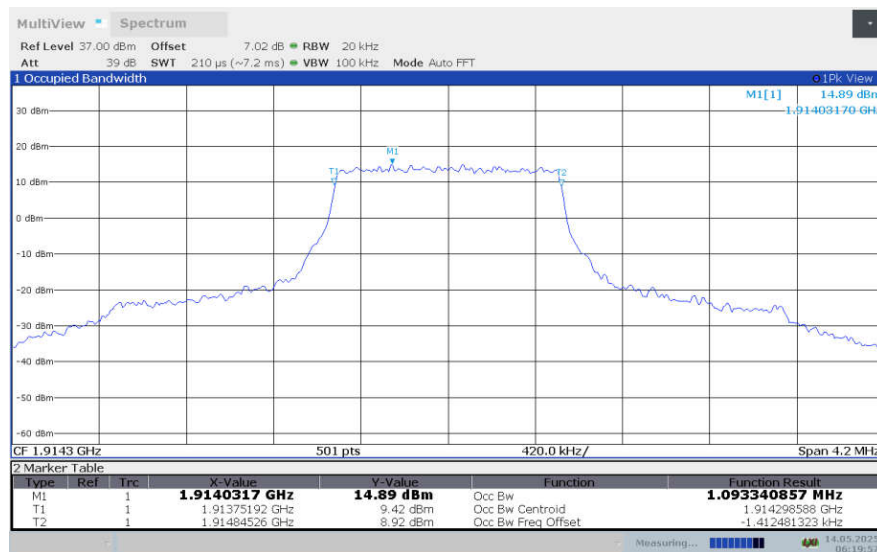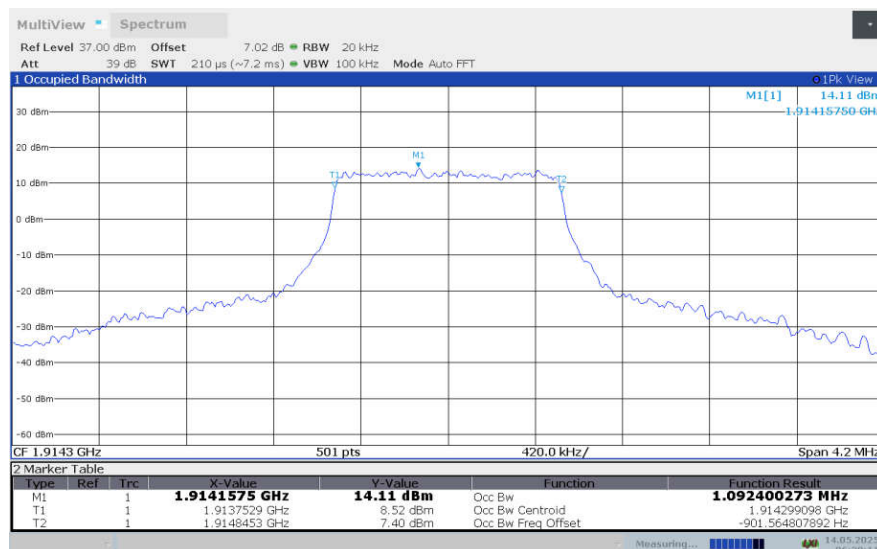
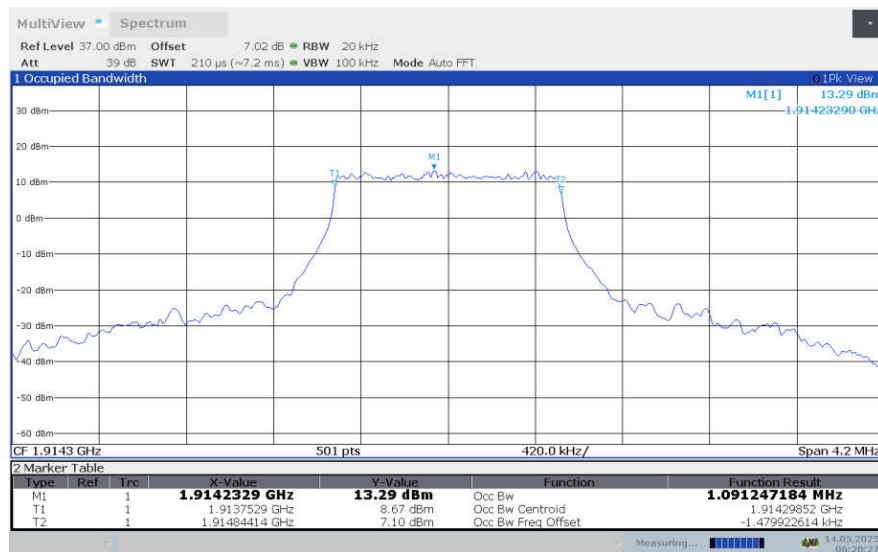**LTE band 14 , 10MHz Bandwidth,MID,64QAM (99% BW)**



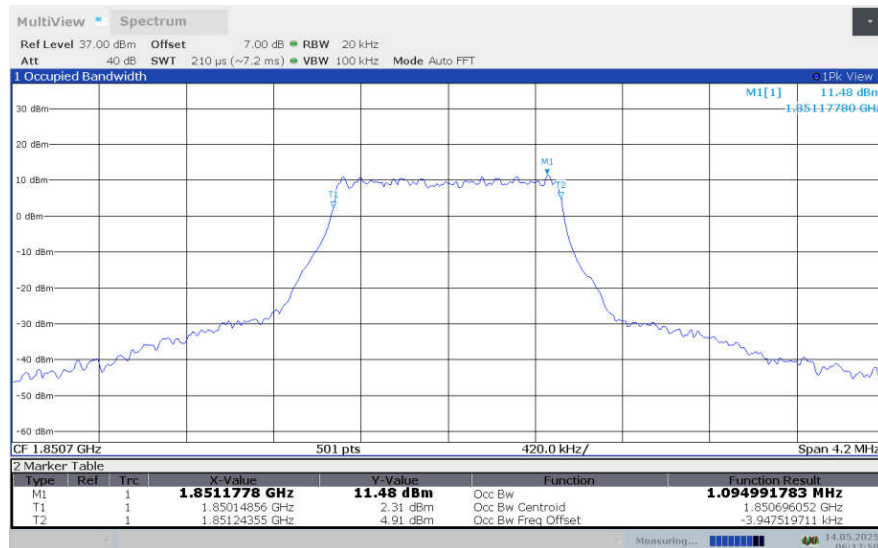**LTE band 14 , 10MHz Bandwidth,HIGH,QPSK (99% BW)**

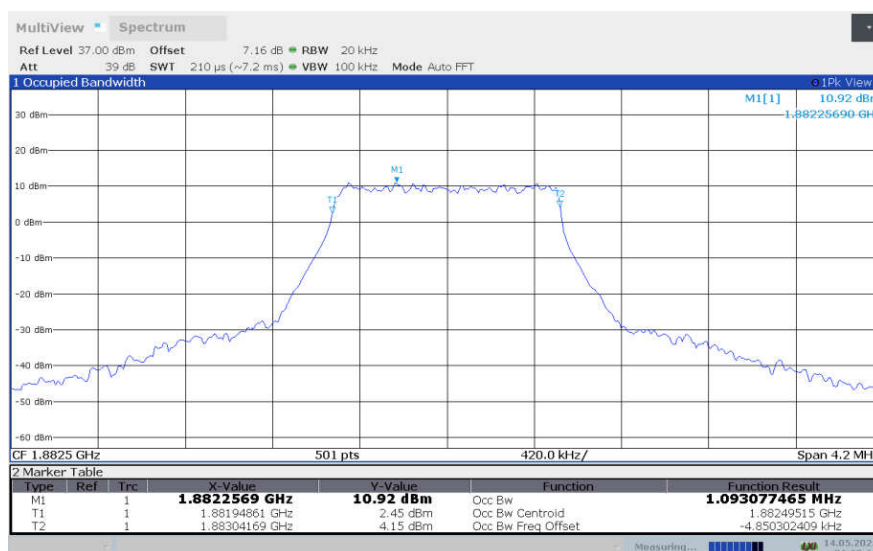**LTE band 14 , 10MHz Bandwidth,HIGH,16QAM (99% BW)**



**LTE band 14 , 10MHz Bandwidth,HIGH,64QAM (99% BW)**

**LTE band 14 , 10MHz Bandwidth,LOW,256QAM (99% BW)**



**LTE band 14 , 10MHz Bandwidth,MID,256QAM (99% BW)**

**LTE band 14 , 10MHz Bandwidth,HIGH,256QAM (99% BW)**

### LTE band 25,1.4MHz(99%)

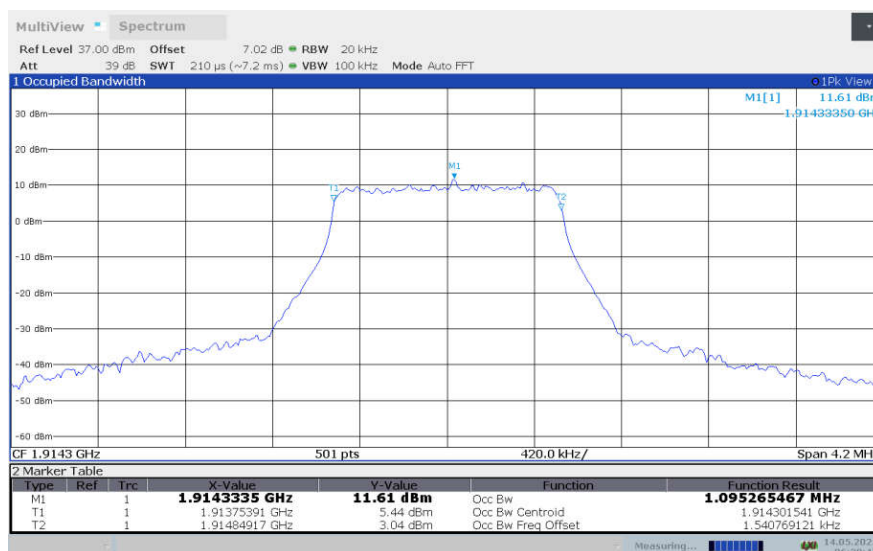| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) | | | |
|---|---|---|---|---|
| | QPSK | 16QAM | 64QAM | 256QAM |
| 1850.7 | 1.093 | 1.093 | 1.097 | 1.095 |
| 1882.5 | 1.098 | 1.094 | 1.095 | 1.093 |
| 1914.3 | 1.093 | 1.092 | 1.091 | 1.095 |

### LTE band 25 , 1.4MHz Bandwidth,LOW,QPSK (99% BW)



### LTE band 25 , 1.4MHz Bandwidth,LOW,16QAM (99% BW)
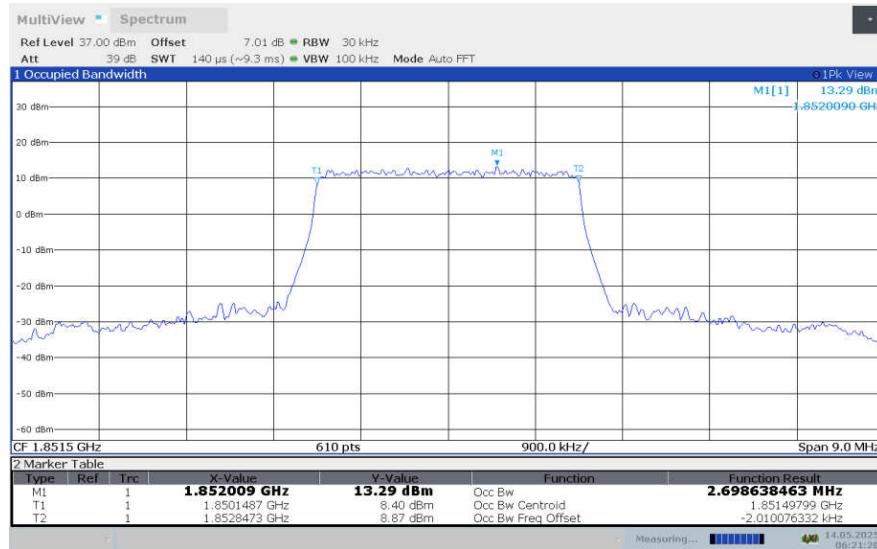


### LTE band 25 , 1.4MHz Bandwidth,LOW,64QAM (99% BW)
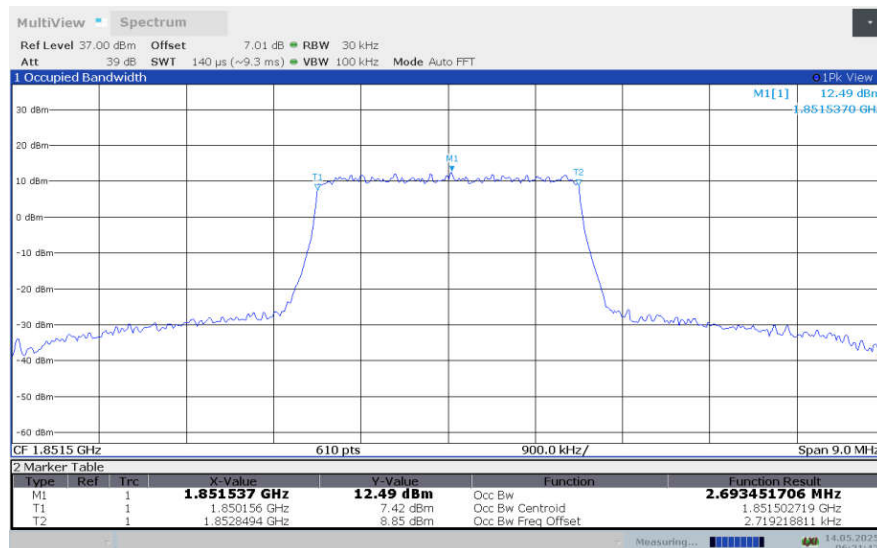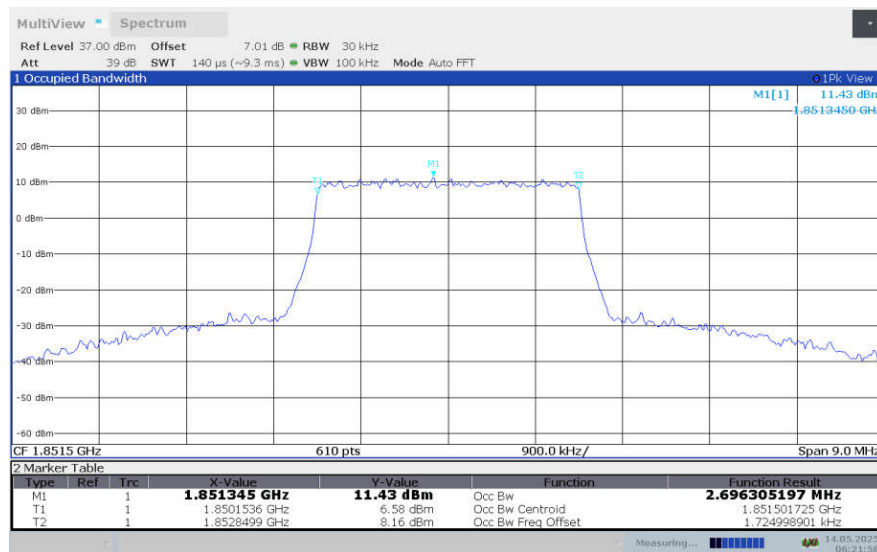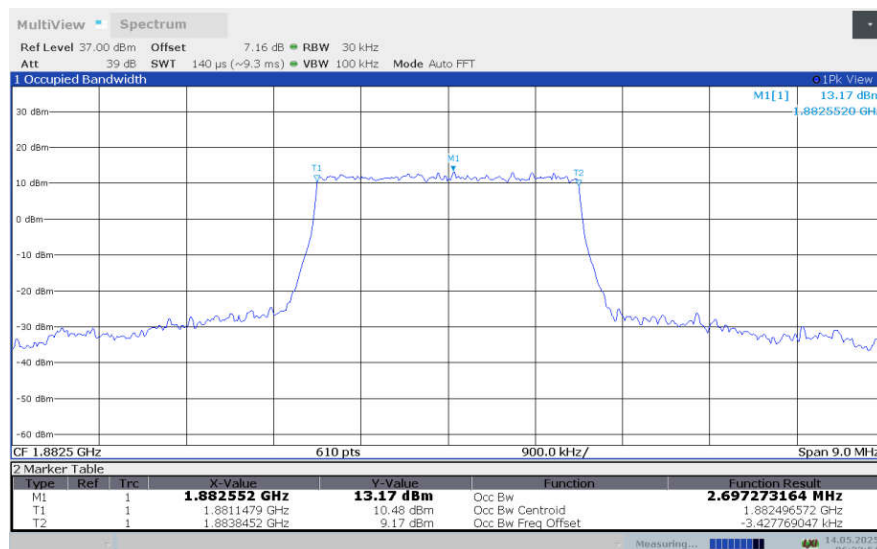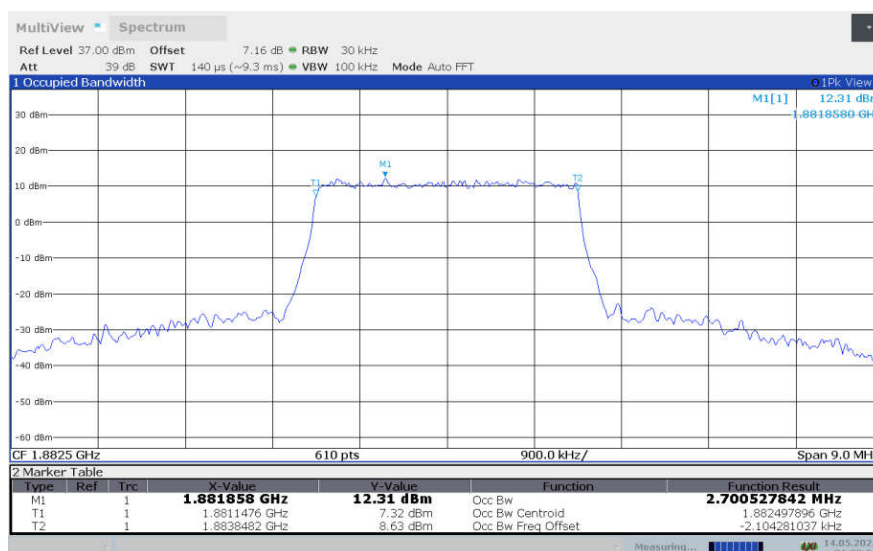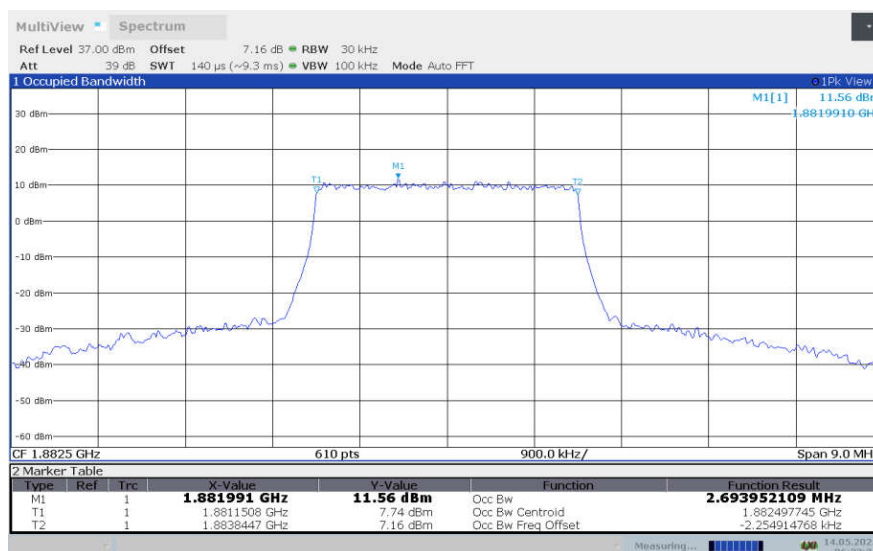
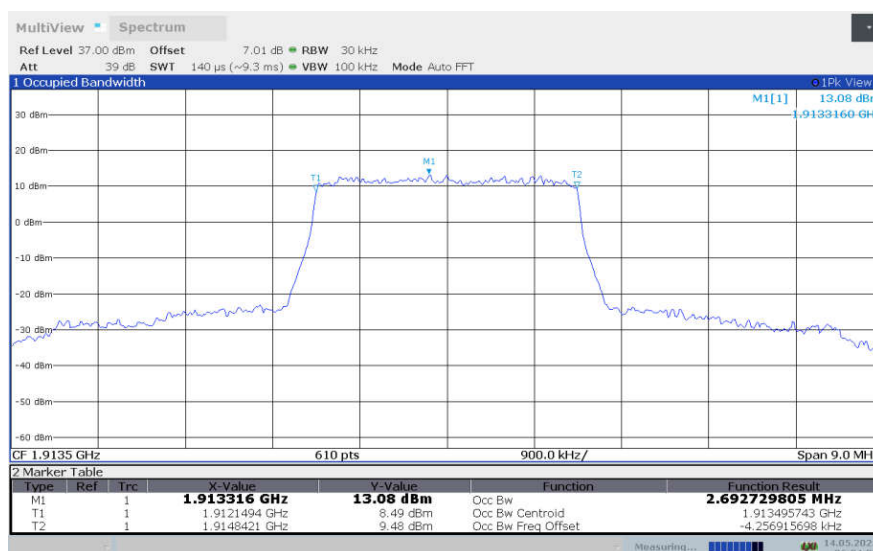**LTE band 25 , 1.4MHz Bandwidth,MID,QPSK (99% BW)**
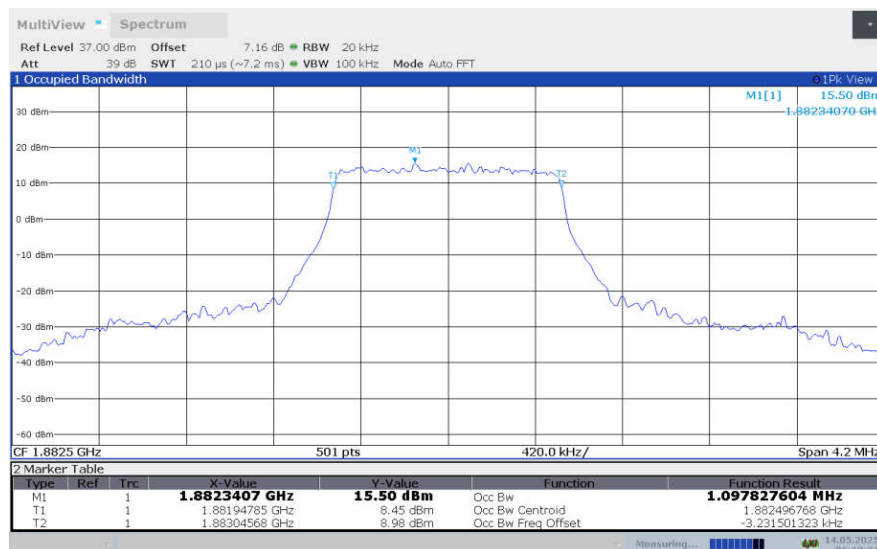


**LTE band 25 , 1.4MHz Bandwidth,MID,16QAM (99% BW)**
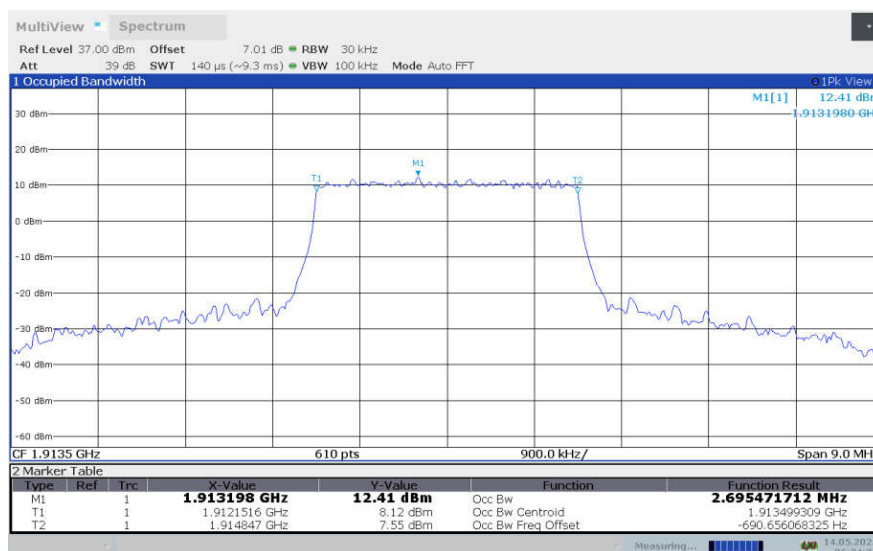
**LTE band 25 , 1.4MHz Bandwidth,MID,64QAM (99% BW)**



**LTE band 25 , 1.4MHz Bandwidth,HIGH,QPSK (99% BW)**

**LTE band 25 , 1.4MHz Bandwidth,HIGH,16QAM (99% BW)**



**LTE band 25 , 1.4MHz Bandwidth,HIGH,64QAM (99% BW)**

**LTE band 25 , 1.4MHz Bandwidth,LOW,256QAM (99% BW)**



**LTE band 25 , 1.4MHz Bandwidth,MID,256QAM (99% BW)**

**LTE band 25 , 1.4MHz Bandwidth,HIGH,256QAM (99% BW)**

**LTE band 25,3MHz(99%)**

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) | | | |
|---|---|---|---|---|
| | QPSK | 16QAM | 64QAM | 256QAM |
| 1851.5 | 2.699 | 2.693 | 2.696 | 2.697 |
| 1882.5 | 2.697 | 2.701 | 2.694 | 2.695 |
| 1913.5 | 2.693 | 2.695 | 2.696 | 2.684 |

**LTE band 25 , 3MHz Bandwidth,LOW,QPSK (99% BW)**



**LTE band 25 , 3MHz Bandwidth,LOW,16QAM (99% BW)**



**LTE band 25 , 3MHz Bandwidth,LOW,64QAM (99% BW)**

**LTE band 25 , 3MHz Bandwidth,MID,QPSK (99% BW)**



**LTE band 25 , 3MHz Bandwidth,MID,16QAM (99% BW)**

**LTE band 25 , 3MHz Bandwidth,MID,64QAM (99% BW)**
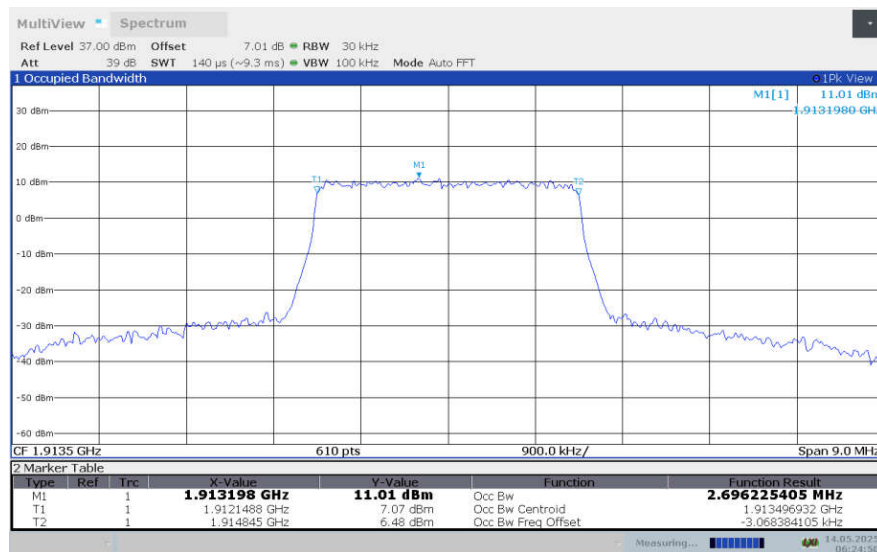


**LTE band 25 , 3MHz Bandwidth,HIGH,QPSK (99% BW)**

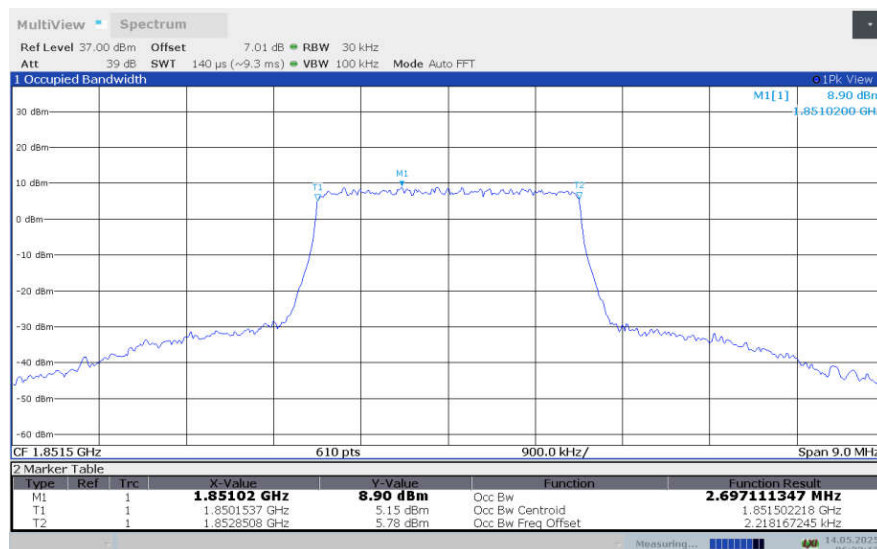**LTE band 25 , 3MHz Bandwidth,HIGH,16QAM (99% BW)**



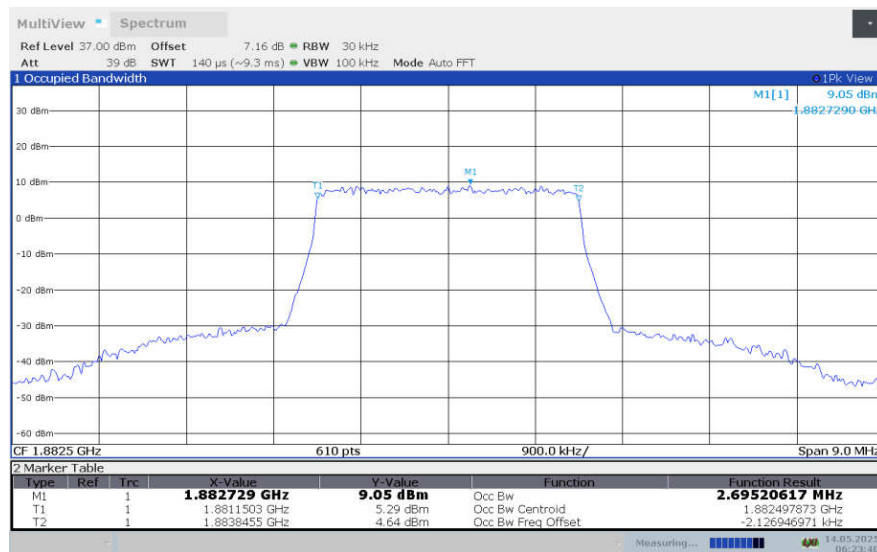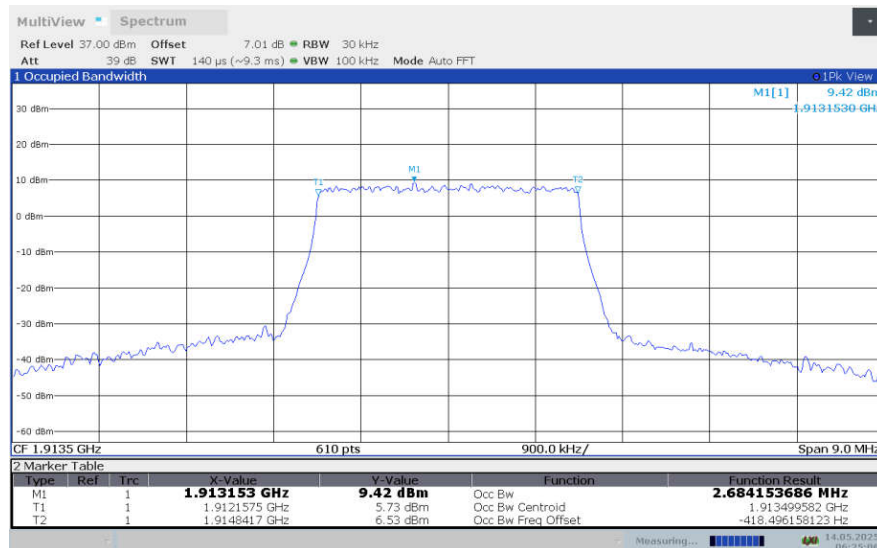**LTE band 25 , 3MHz Bandwidth,HIGH,64QAM (99% BW)**

**LTE band 25 , 3MHz Bandwidth,LOW,256QAM (99% BW)**



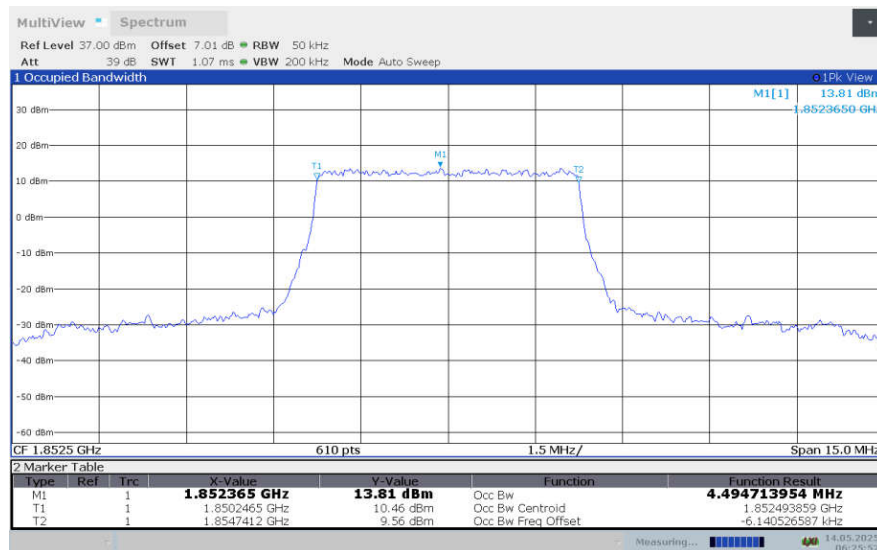**LTE band 25 , 3MHz Bandwidth,MID,256QAM (99% BW)**

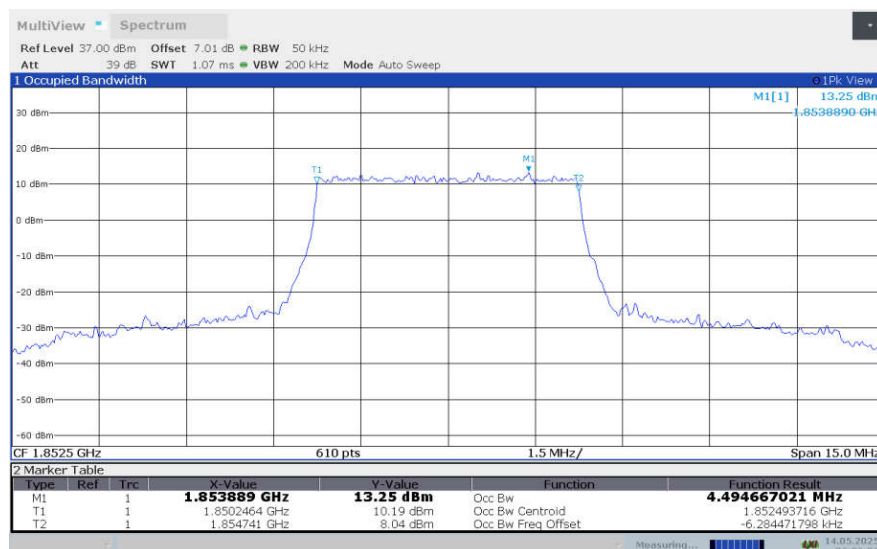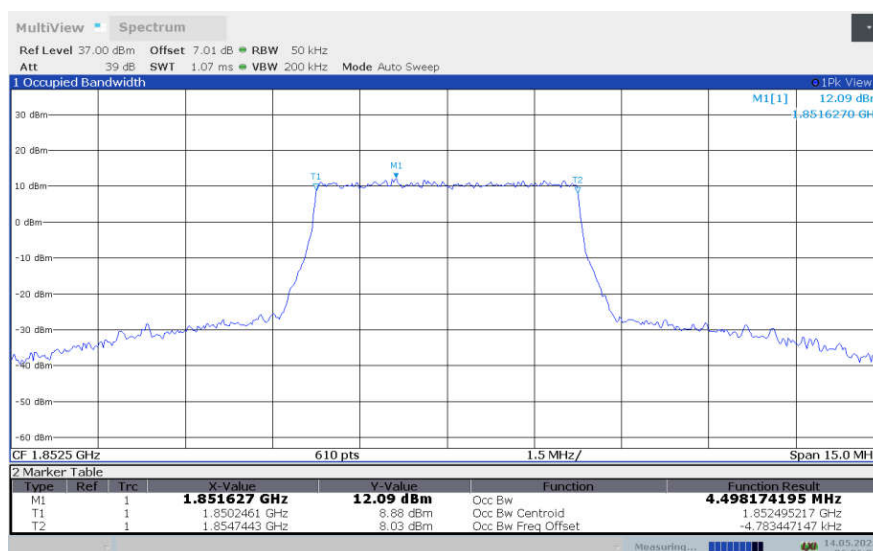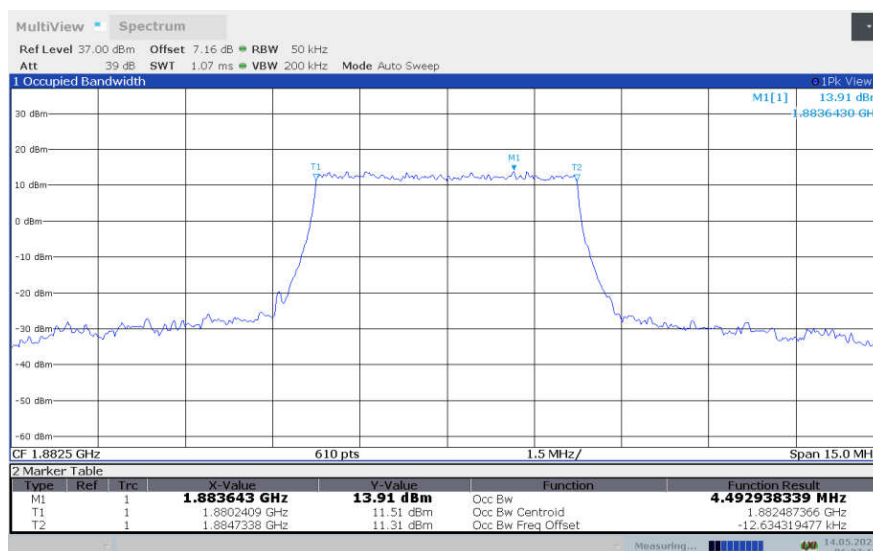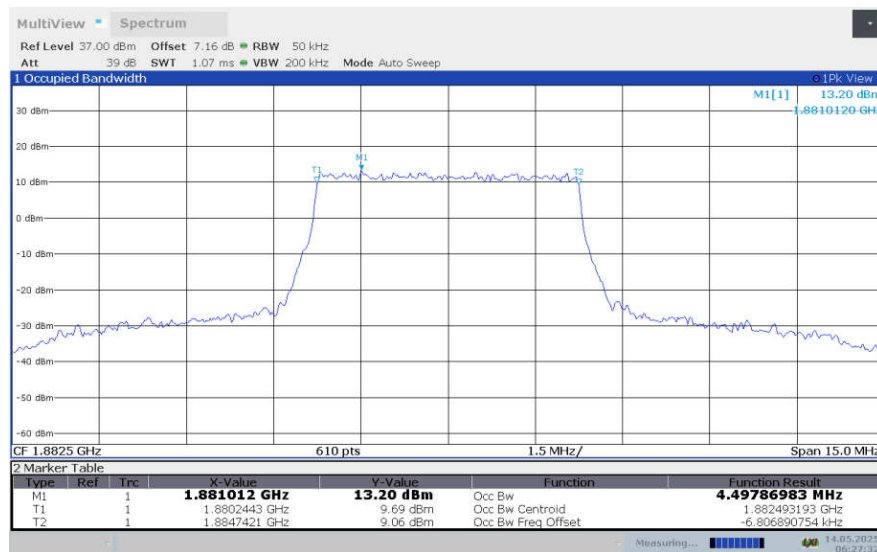**LTE band 25 , 3MHz Bandwidth,HIGH,256QAM (99% BW)**

### LTE band 25,5MHz(99%)

| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) | | | |
|---|---|---|---|---|
| | QPSK | 16QAM | 64QAM | 256QAM |
| 1852.5 | 4.495 | 4.495 | 4.498 | 4.495 |
| 1882.5 | 4.493 | 4.498 | 4.501 | 4.494 |
| 1912.5 | 4.492 | 4.496 | 4.493 | 4.494 |

### LTE band 25 , 5MHz Bandwidth,LOW,QPSK (99% BW)



### LTE band 25 , 5MHz Bandwidth,LOW,16QAM (99% BW)



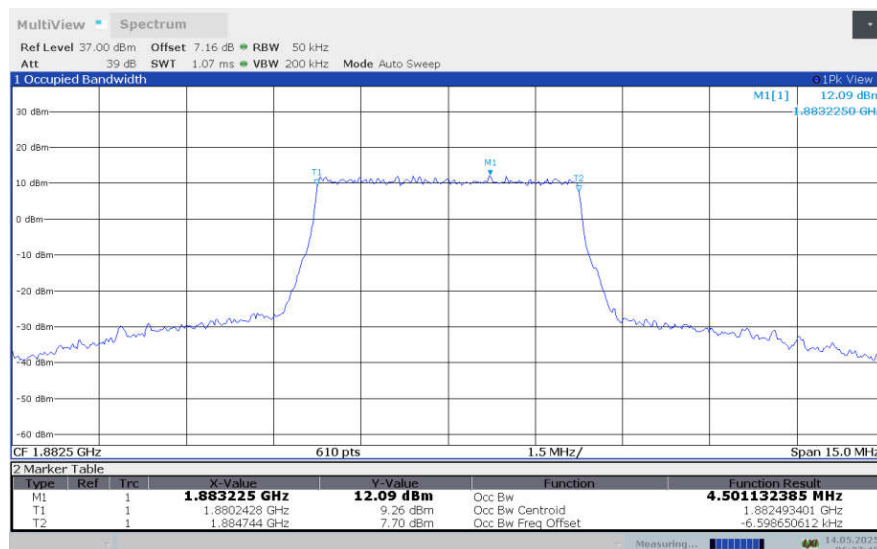### LTE band 25 , 5MHz Bandwidth,LOW,64QAM (99% BW)

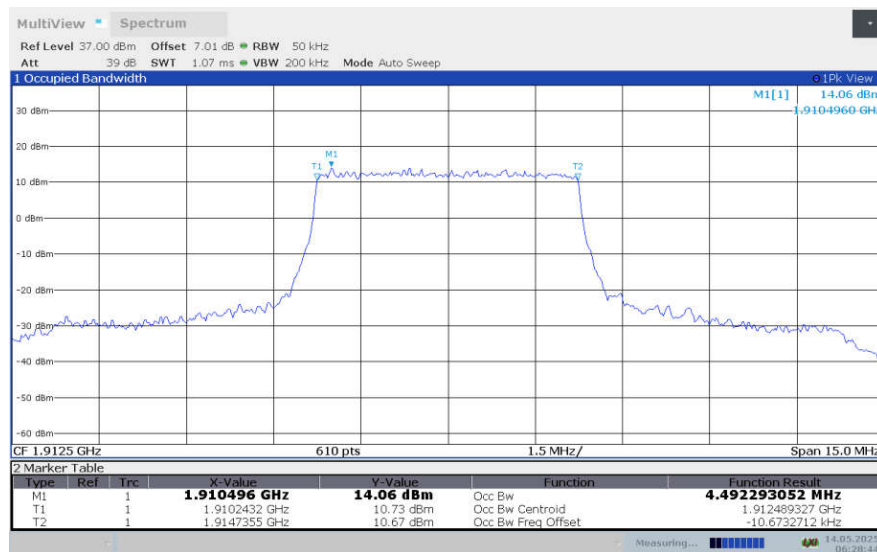**LTE band 25 , 5MHz Bandwidth,MID,QPSK (99% BW)**



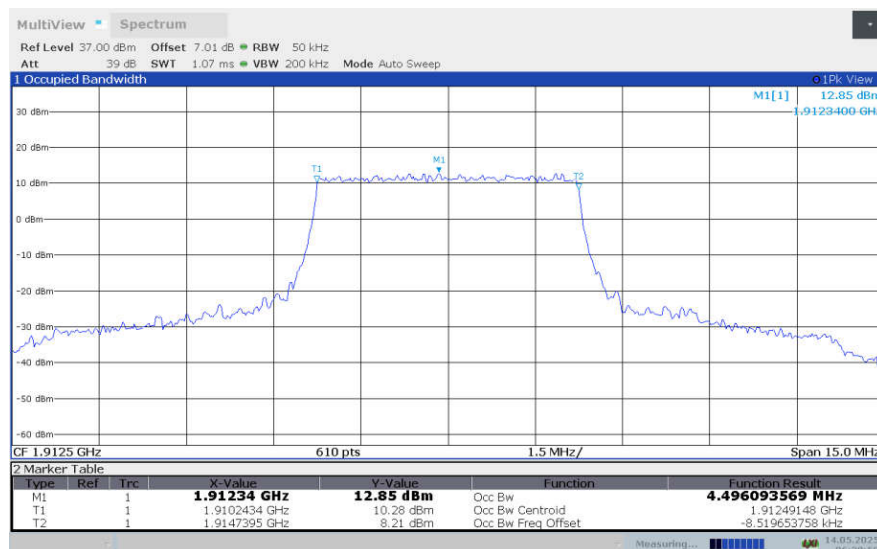**LTE band 25 , 5MHz Bandwidth,MID,16QAM (99% BW)**

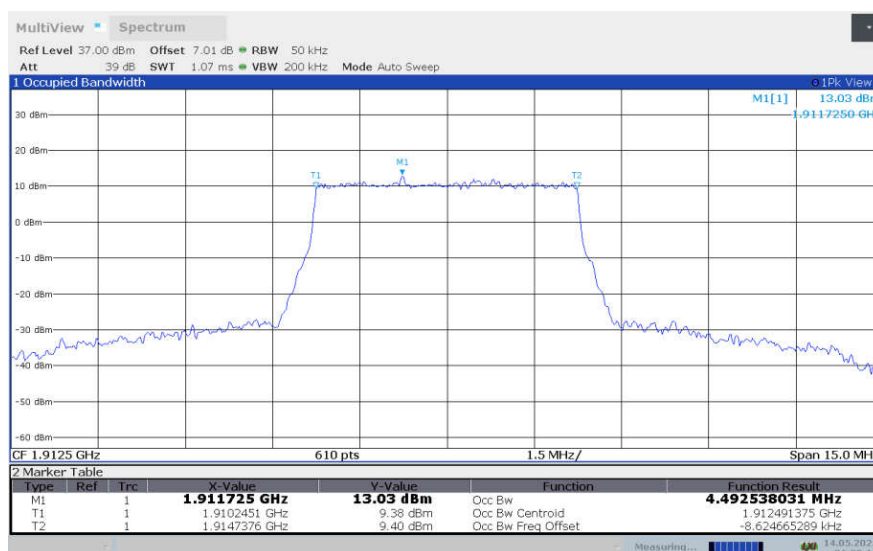**LTE band 25 , 5MHz Bandwidth,MID,64QAM (99% BW)**



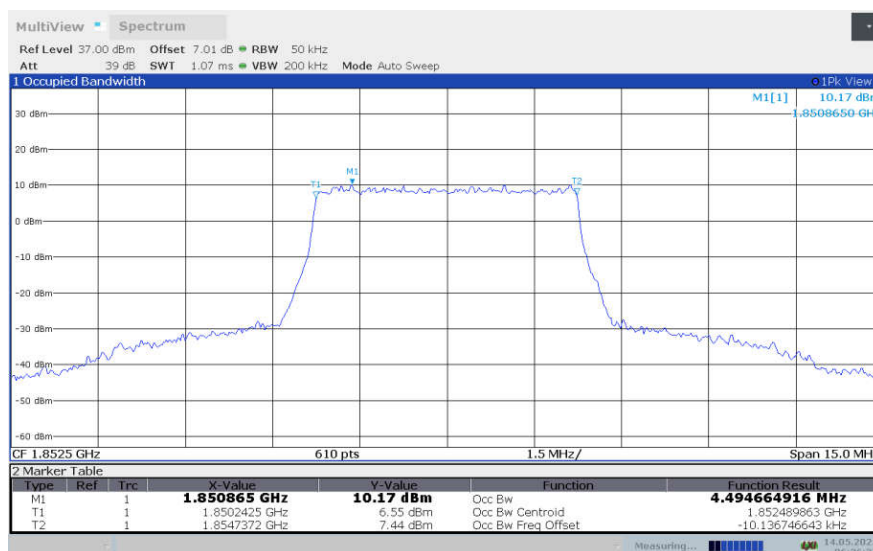**LTE band 25 , 5MHz Bandwidth,HIGH,QPSK (99% BW)**

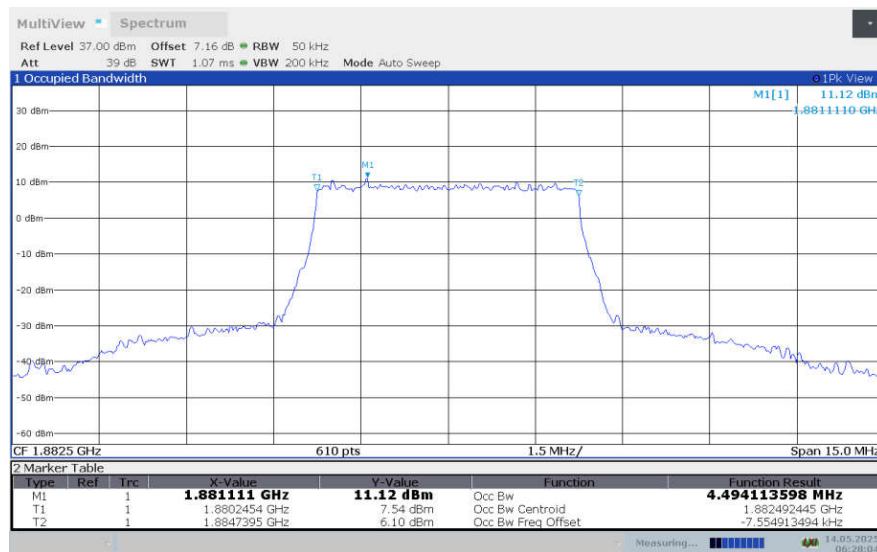**LTE band 25 , 5MHz Bandwidth,HIGH,16QAM (99% BW)**



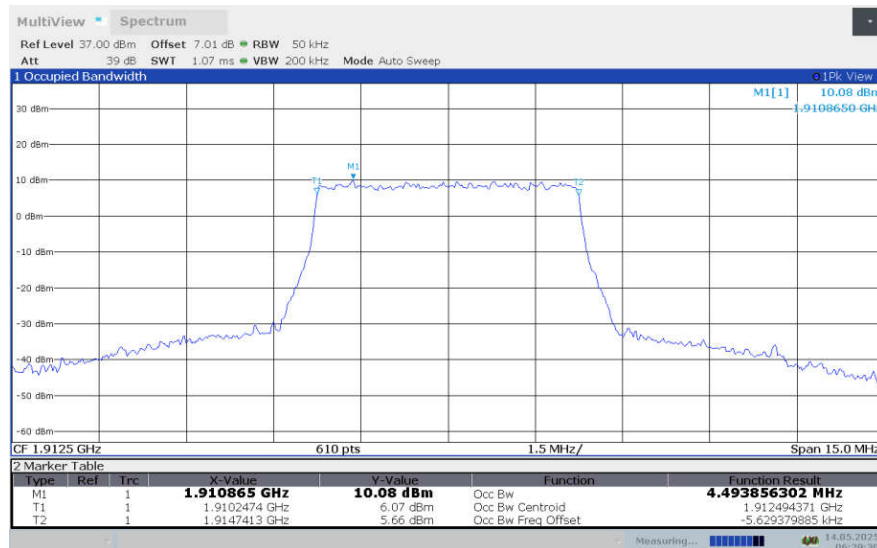**LTE band 25 , 5MHz Bandwidth,HIGH,64QAM (99% BW)**

**LTE band 25 , 5MHz Bandwidth,LOW,256QAM (99% BW)**



**LTE band 25 , 5MHz Bandwidth,MID,256QAM (99% BW)**

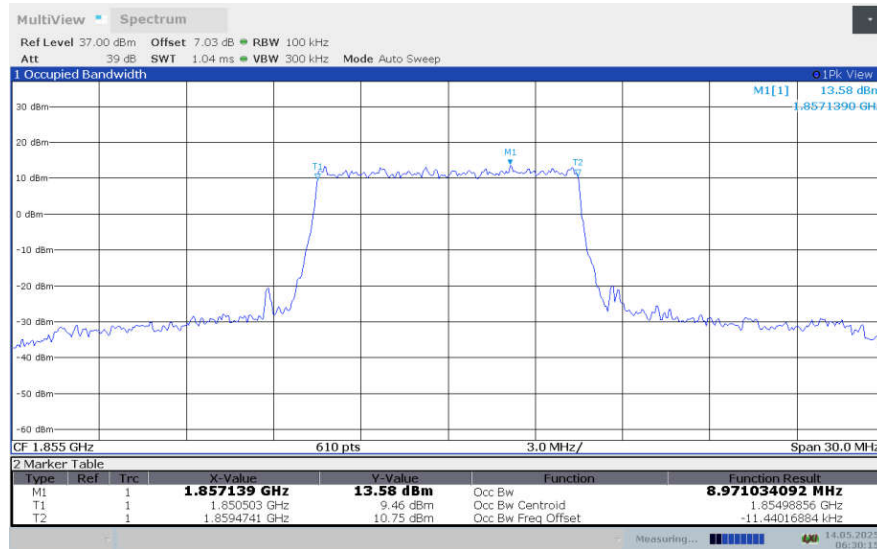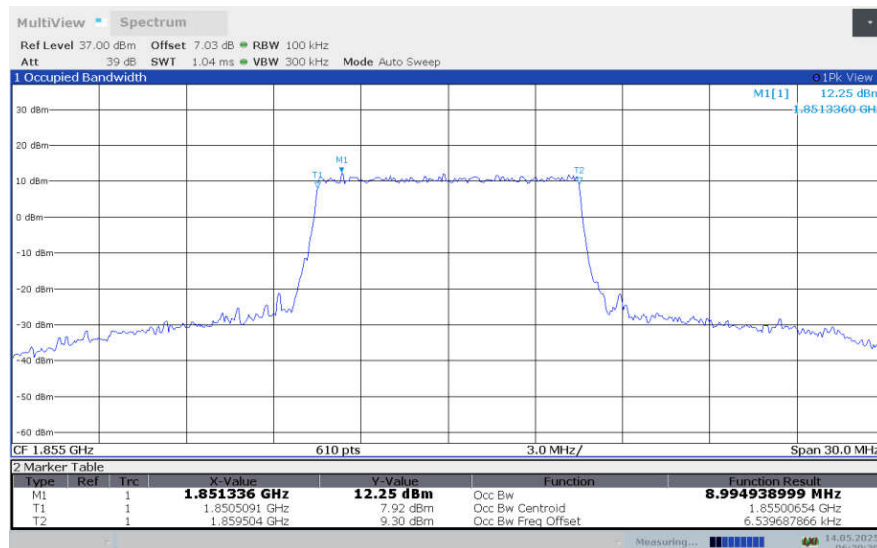**LTE band 25 , 5MHz Bandwidth,HIGH,256QAM (99% BW)**

### LTE band 25,10MHz(99%)

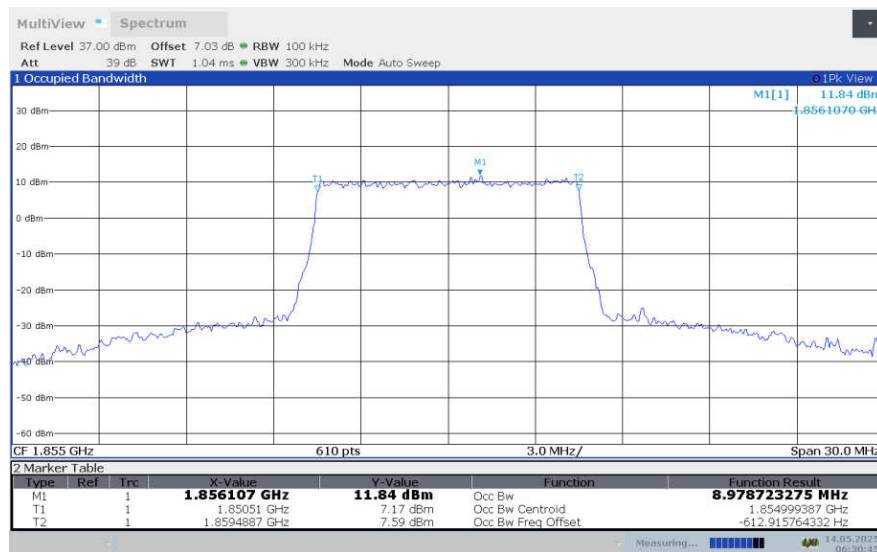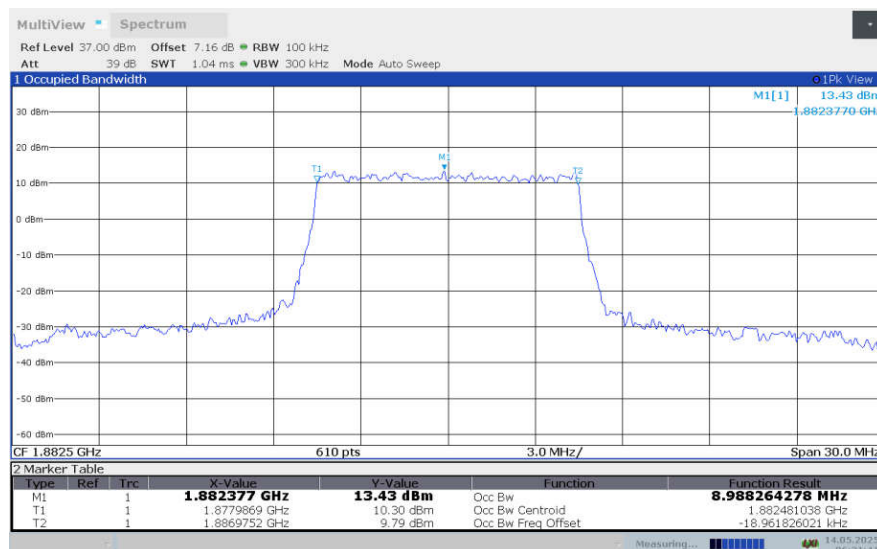| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) | | | |
|---|---|---|---|---|
| | QPSK | 16QAM | 64QAM | 256QAM |
| 1855 | 8.971 | 8.995 | 8.979 | 8.991 |
| 1882.5 | 8.988 | 8.976 | 8.995 | 8.987 |
| 1910 | 8.980 | 8.974 | 8.993 | 8.982 |

### LTE band 25 , 10MHz Bandwidth,LOW,QPSK (99% BW)



### LTE band 25 , 10MHz Bandwidth,LOW,16QAM (99% BW)



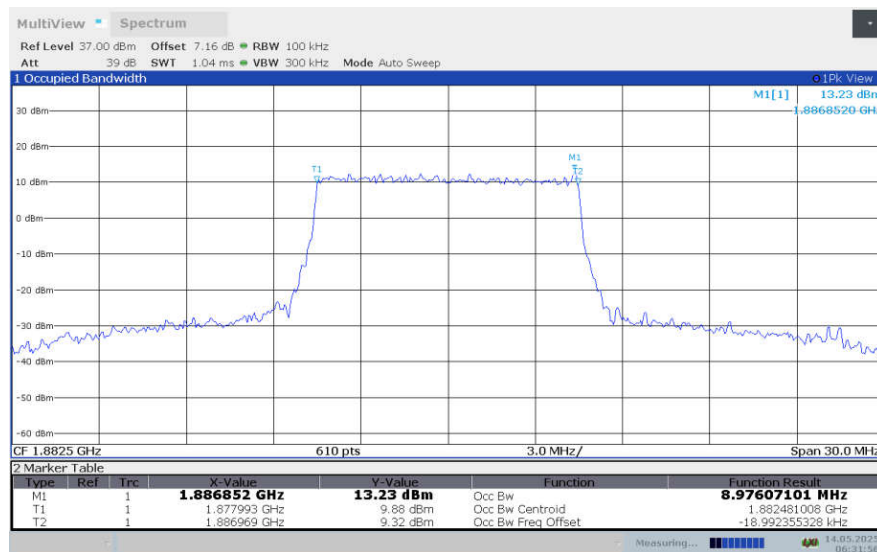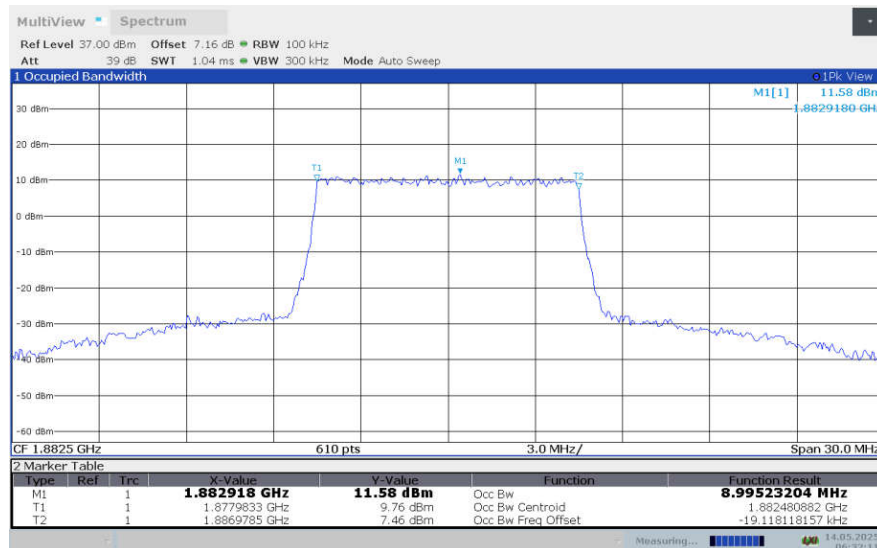### LTE band 25 , 10MHz Bandwidth,LOW,64QAM (99% BW)
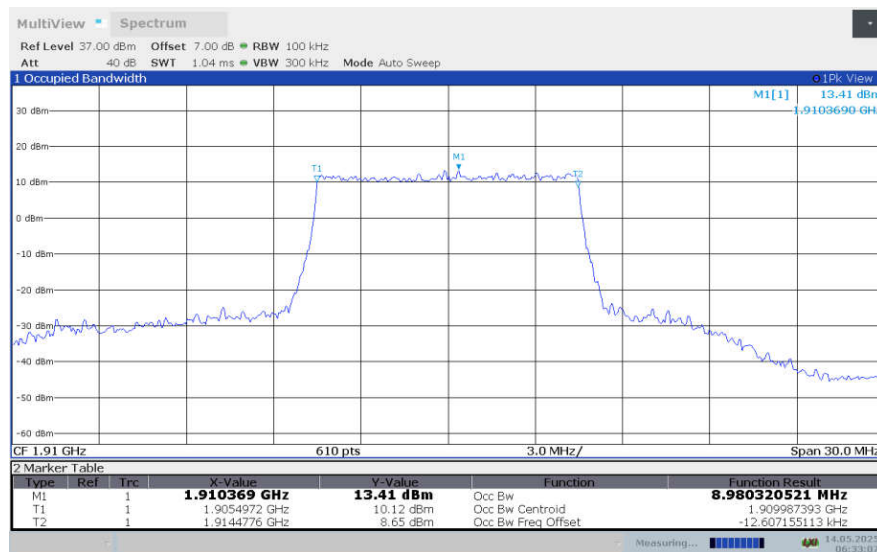
**LTE band 25 , 10MHz Bandwidth,MID,QPSK (99% BW)**
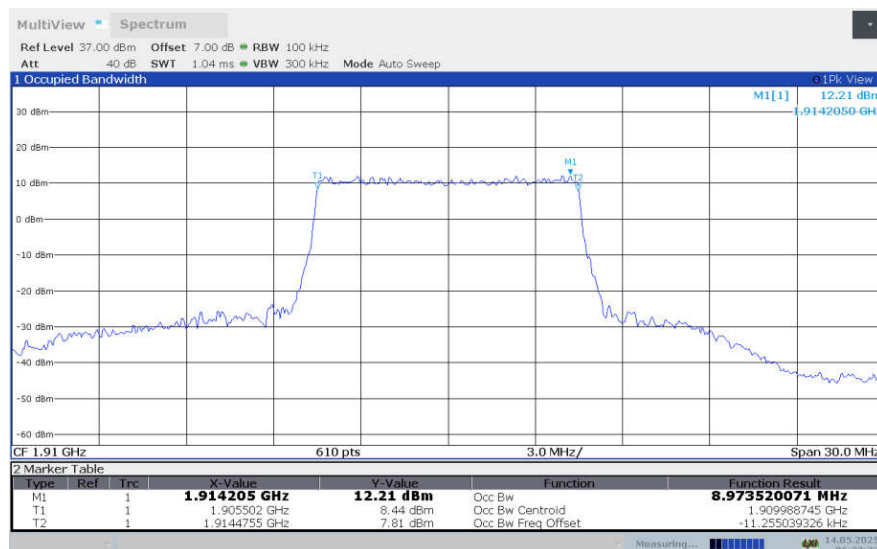


**LTE band 25 , 10MHz Bandwidth,MID,16QAM (99% BW)**
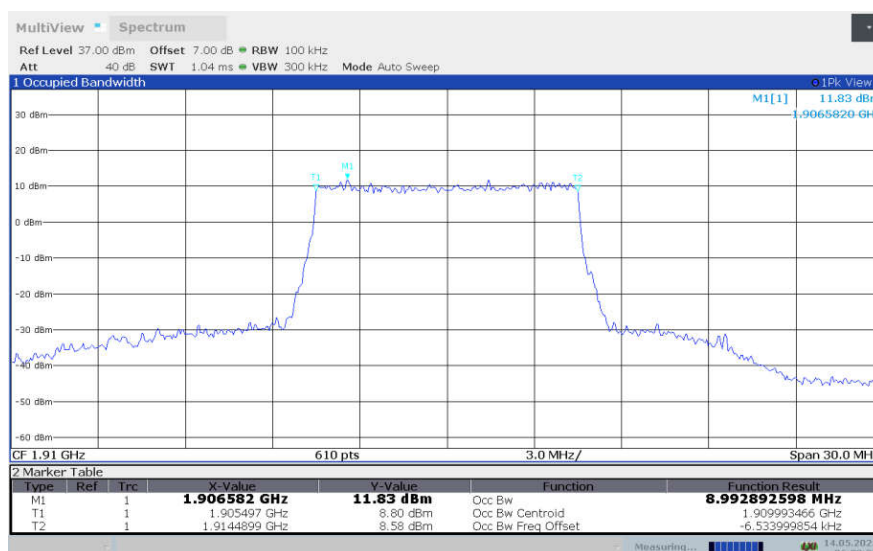
**LTE band 25 , 10MHz Bandwidth,MID,64QAM (99% BW)**



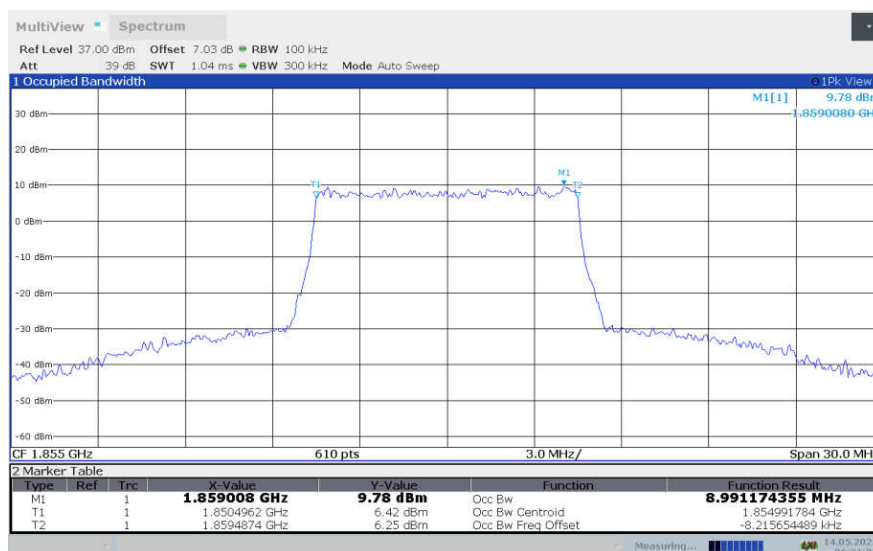**LTE band 25 , 10MHz Bandwidth,HIGH,QPSK (99% BW)**

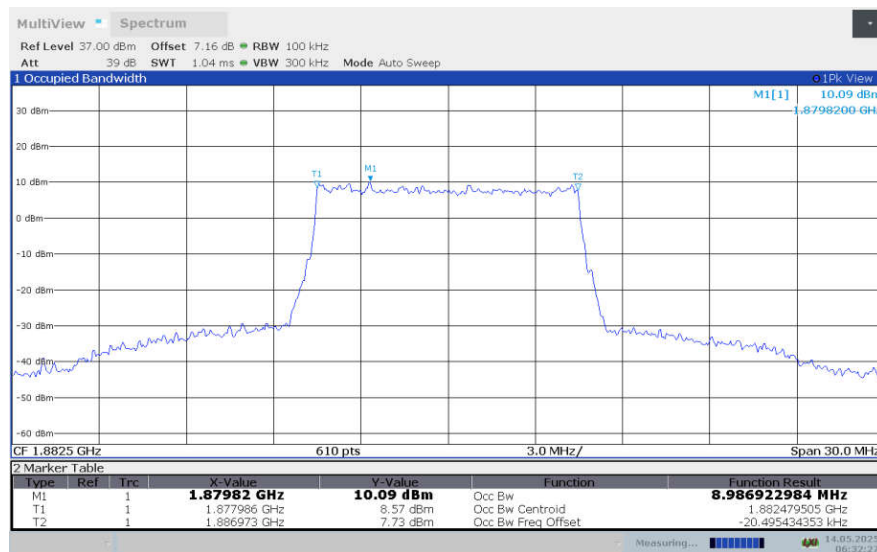**LTE band 25 , 10MHz Bandwidth,HIGH,16QAM (99% BW)**



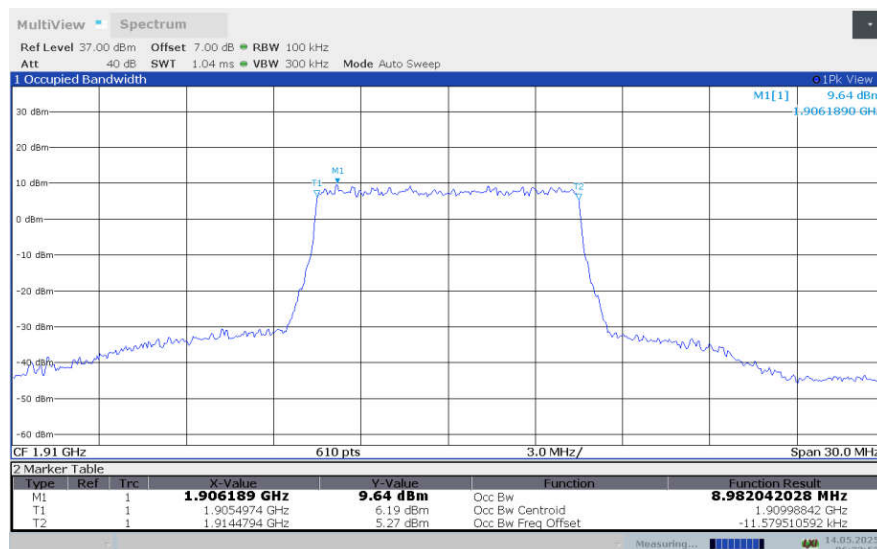**LTE band 25 , 10MHz Bandwidth,HIGH,64QAM (99% BW)**

**LTE band 25 , 10MHz Bandwidth,LOW,256QAM (99% BW)**



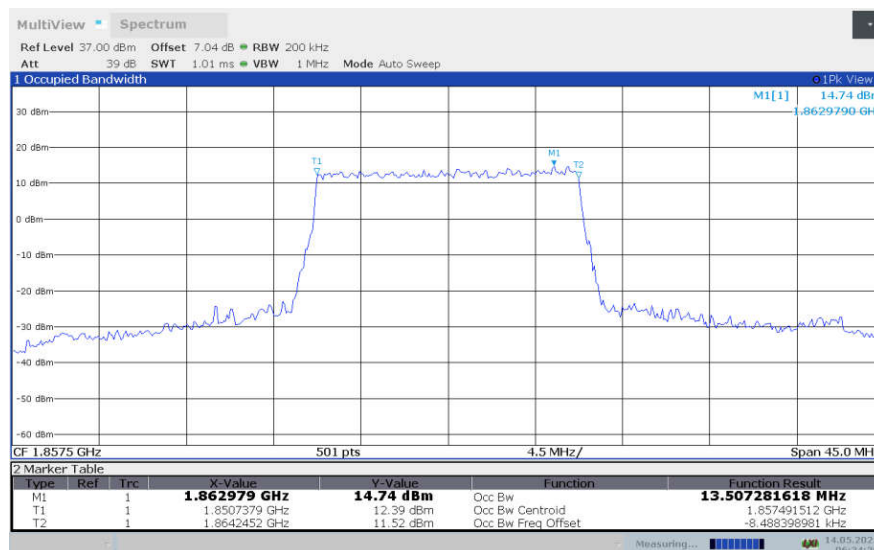**LTE band 25 , 10MHz Bandwidth,MID,256QAM (99% BW)**

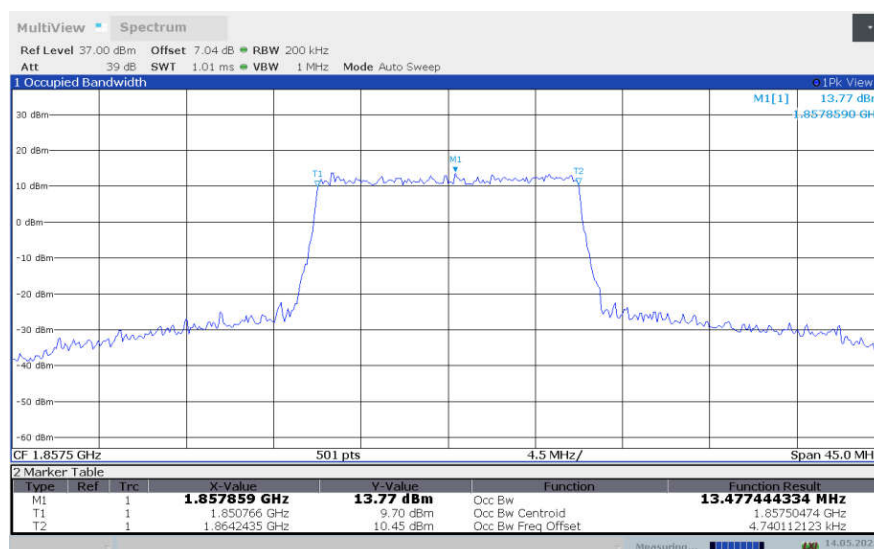**LTE band 25 , 10MHz Bandwidth,HIGH,256QAM (99% BW)**

### LTE band 25,15MHz(99%)

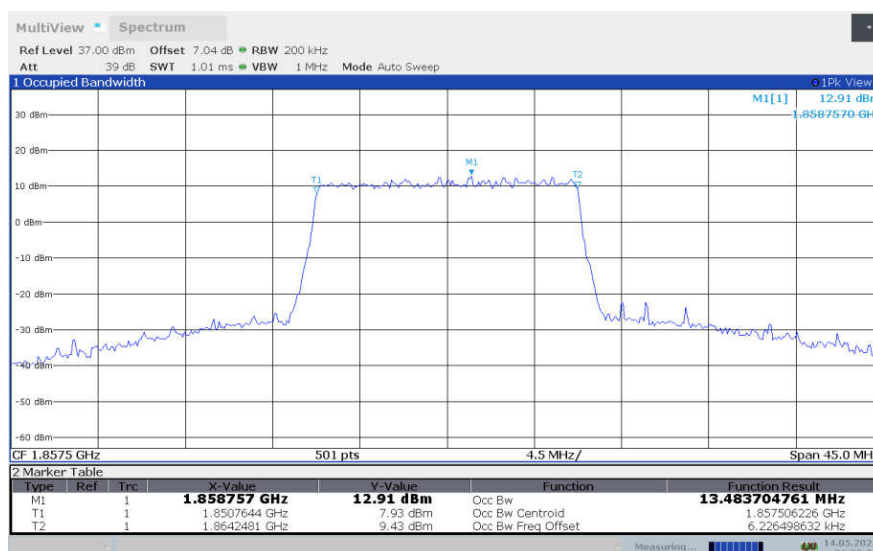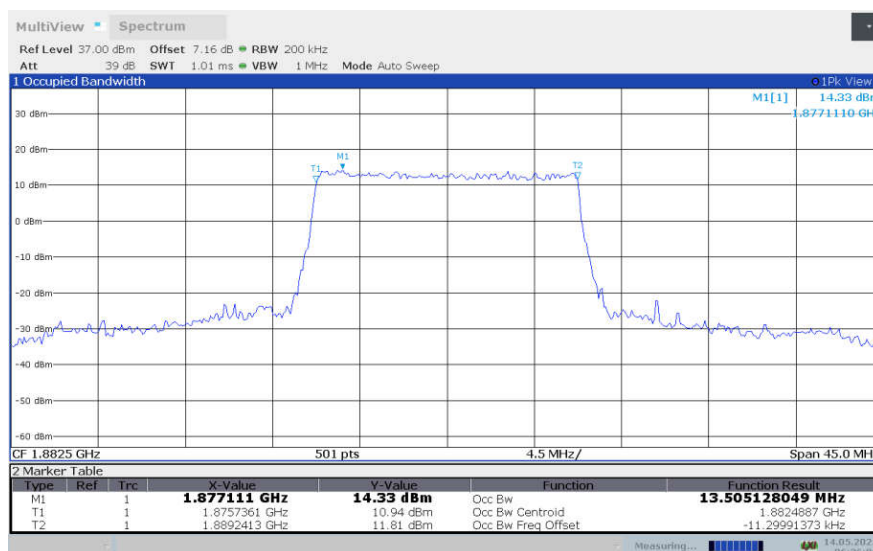| Frequency (MHz) | Occupied Bandwidth (99%)(MHz) | | | |
|---|---|---|---|---|
| | QPSK | 16QAM | 64QAM | 256QAM |
| 1857.5 | 13.507 | 13.477 | 13.484 | 13.482 |
| 1882.5 | 13.505 | 13.494 | 13.508 | 13.486 |
| 1907.5 | 13.527 | 13.516 | 13.515 | 13.533 |

### LTE band 25 , 15MHz Bandwidth,LOW,QPSK (99% BW)



### LTE band 25 , 15MHz Bandwidth,LOW,16QAM (99% BW)



### LTE band 25 , 15MHz Bandwidth,LOW,64QAM (99% BW)

**LTE band 25 , 15MHz Bandwidth,MID,QPSK (99% BW)**



**LTE band 25 , 15MHz Bandwidth,MID,16QAM (99% BW)**