LTE band 12 , 1.4MHz Bandwidth,HIGH,256QAM (99% BW)
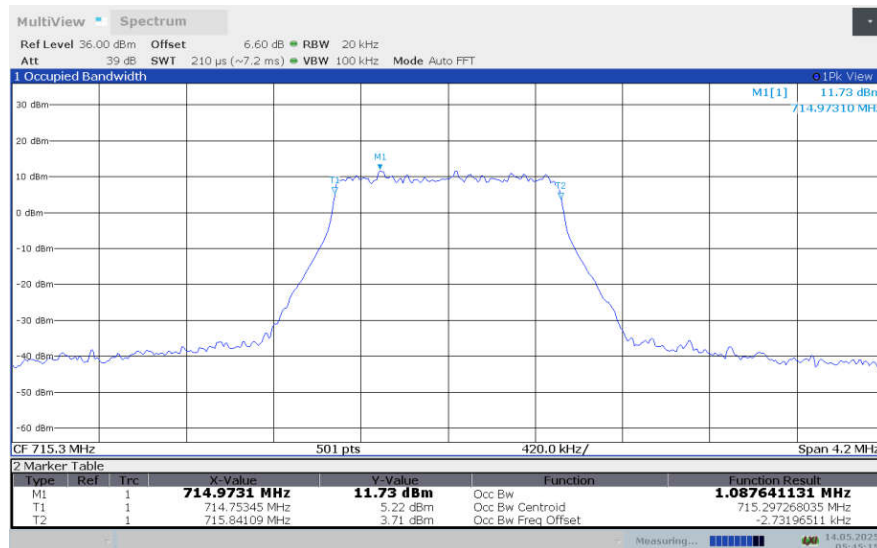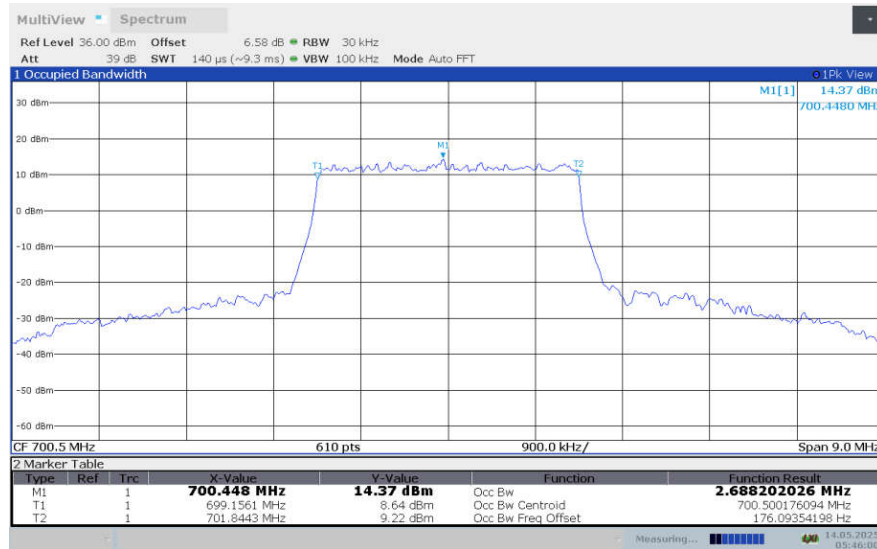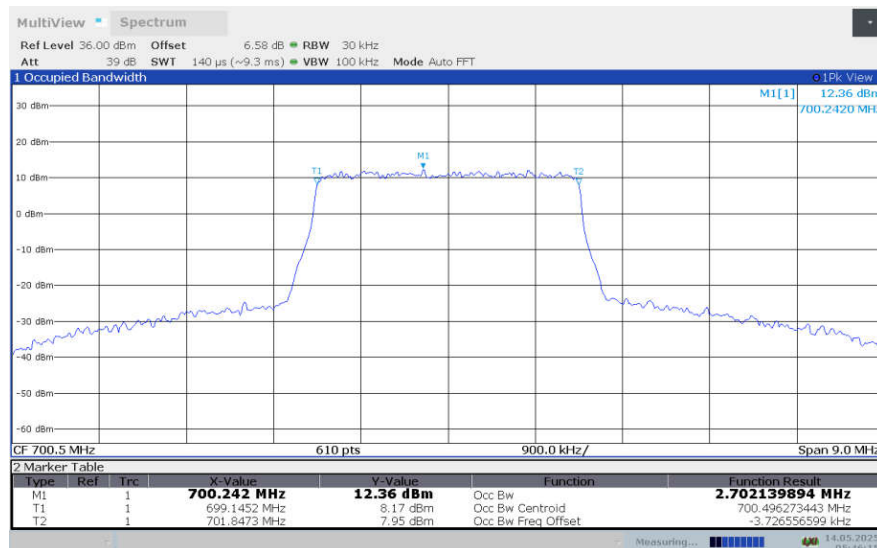
LTE band 12,3MHz(99%)

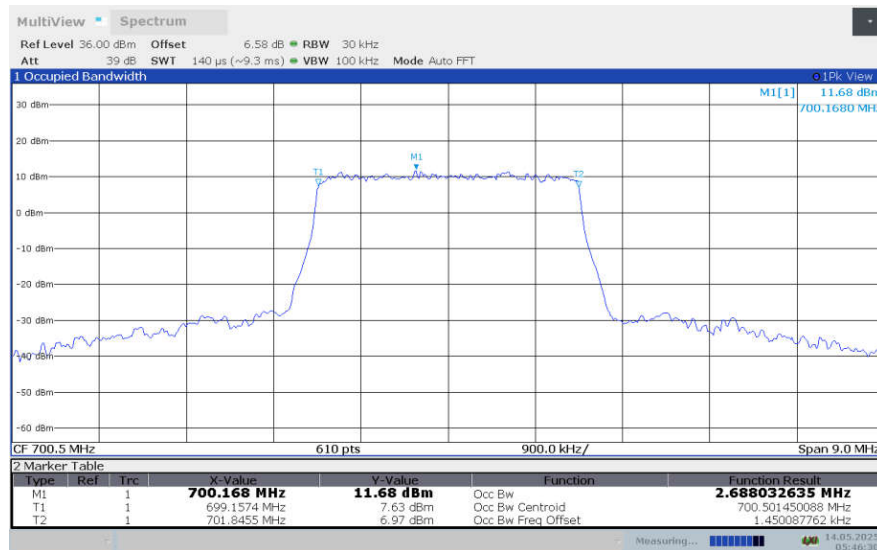| Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
700.5	2.688	2.702	2.688	2.700
707.5	2.700	2.700	2.700	2.699
714.5	2.693	2.709	2.699	2.697

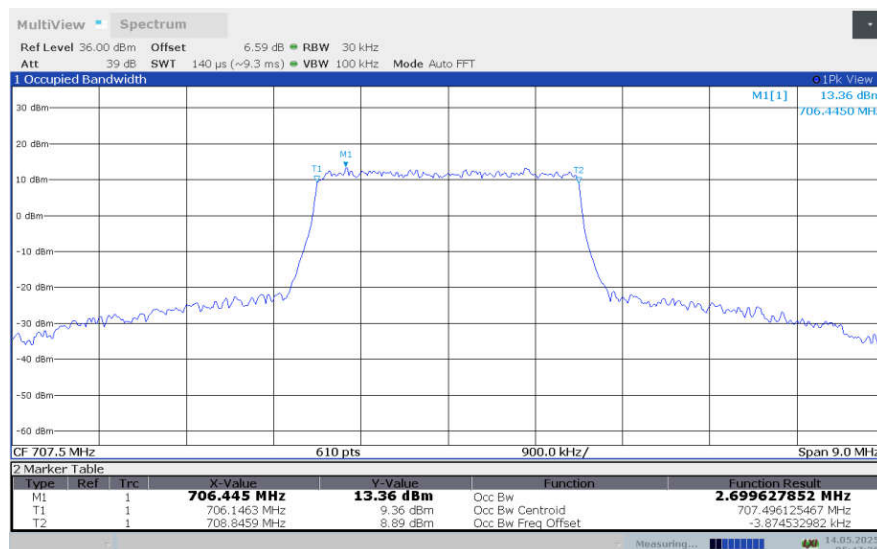**LTE band 12 , 3MHz Bandwidth,LOW,QPSK (99% BW)**

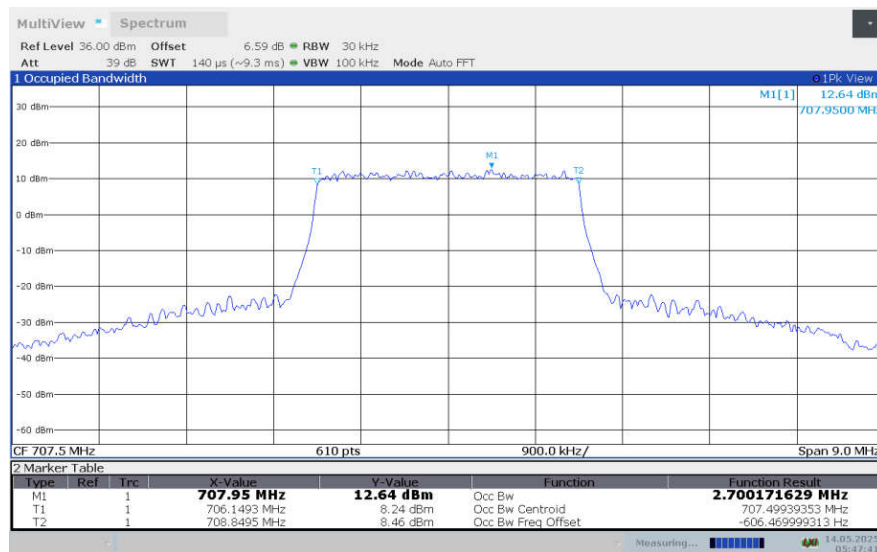**LTE band 12 , 3MHz Bandwidth,LOW,16QAM (99% BW)**

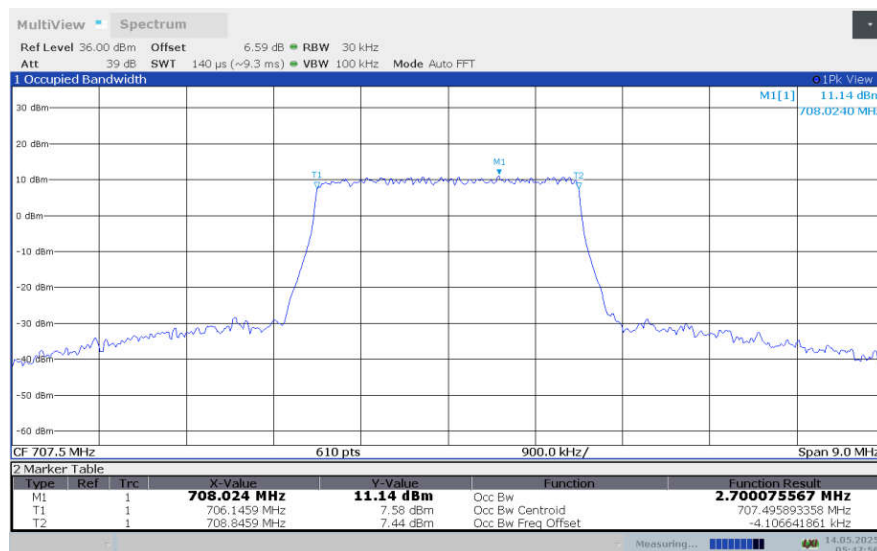**LTE band 12 , 3MHz Bandwidth,LOW,64QAM (99% BW)**

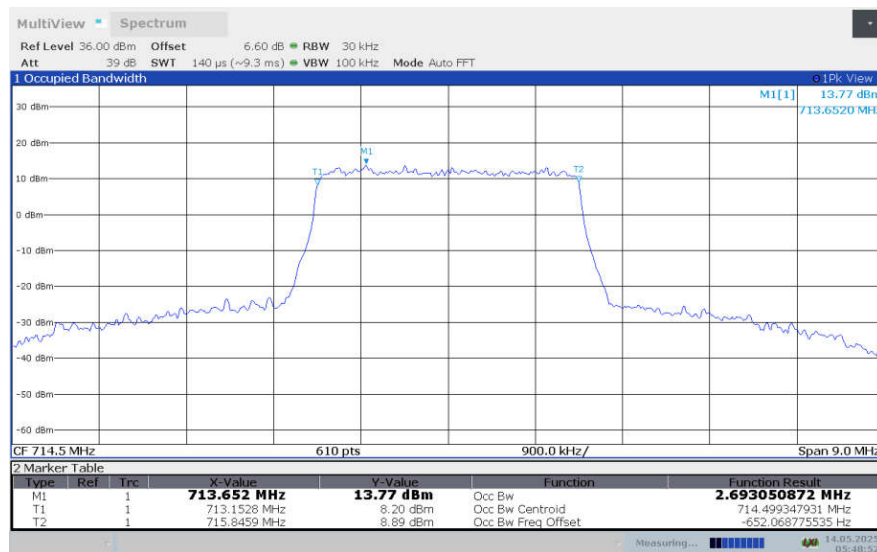**LTE band 12 , 3MHz Bandwidth,MID,QPSK (99% BW)**

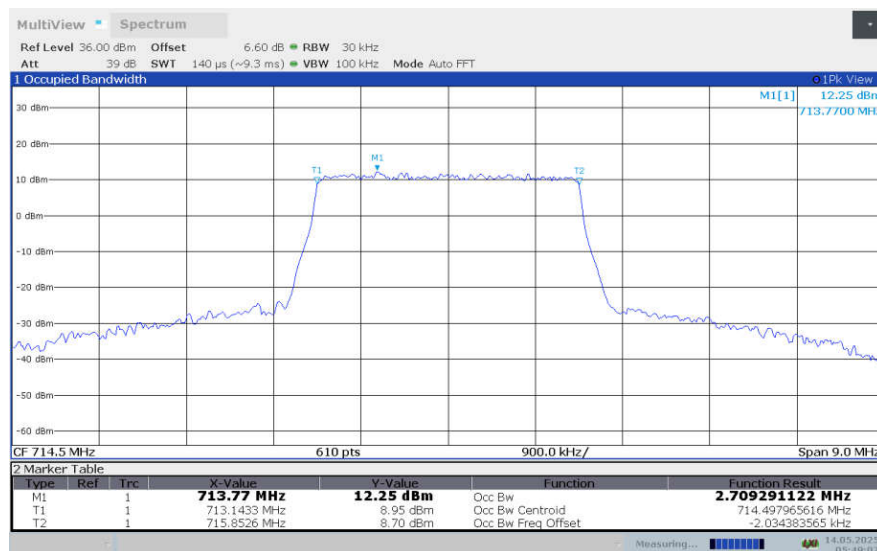**LTE band 12 , 3MHz Bandwidth,MID,16QAM (99% BW)**
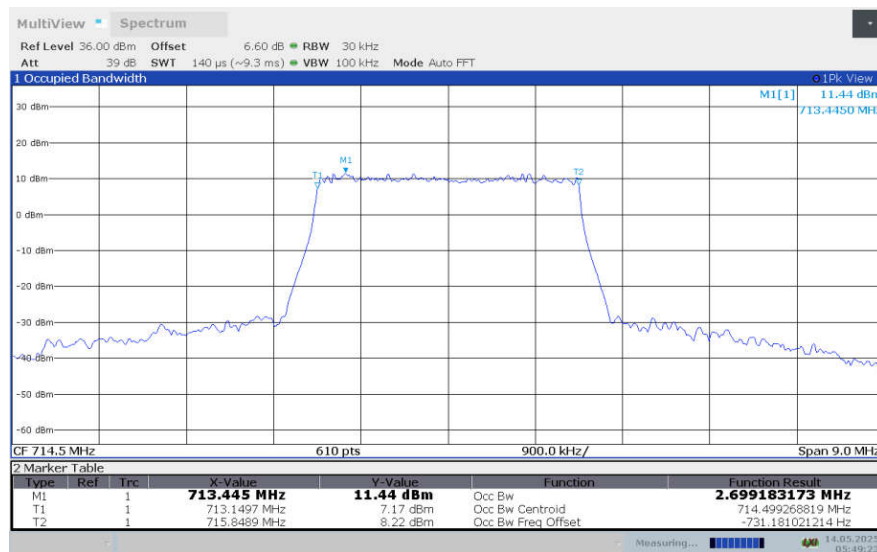
LTE band 12 , 3MHz Bandwidth,MID,64QAM (99% BW)

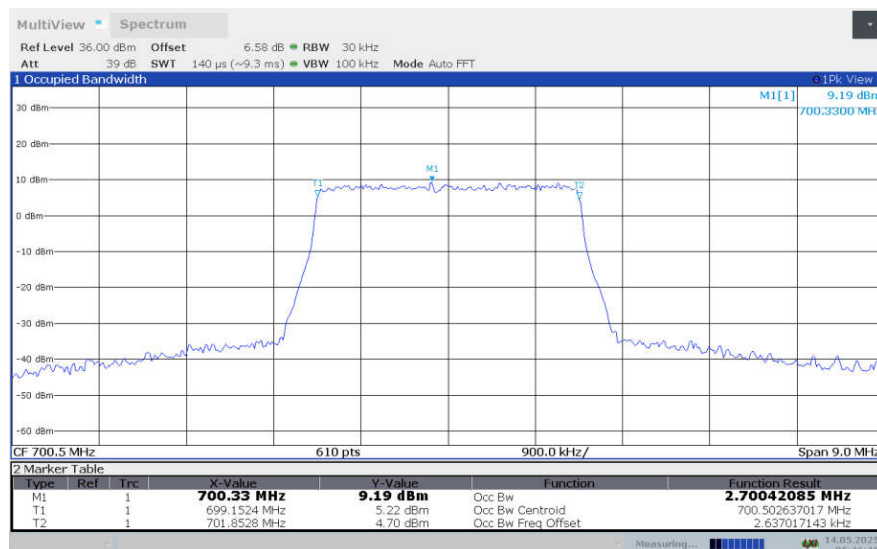**LTE band 12 , 3MHz Bandwidth,HIGH,QPSK (99% BW)**

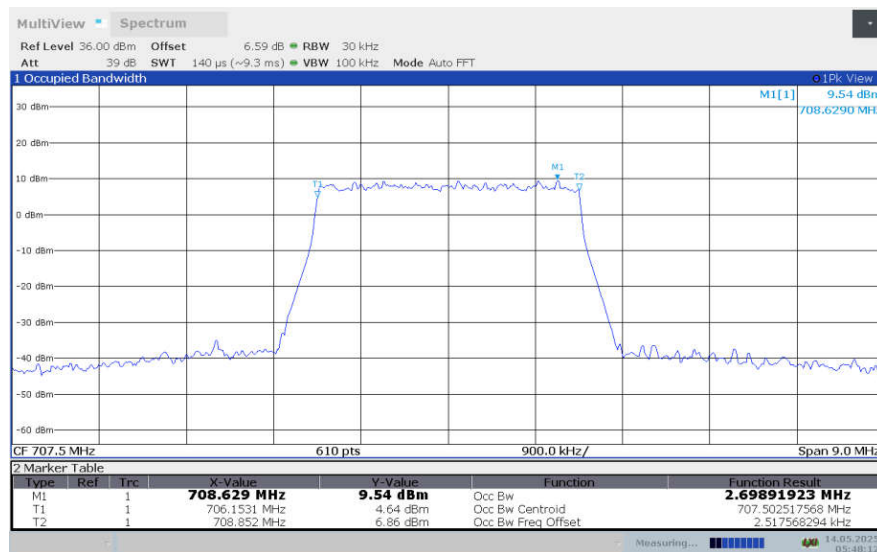**LTE band 12 , 3MHz Bandwidth,HIGH,16QAM (99% BW)**

LTE band 12 , 3MHz Bandwidth,HIGH,64QAM (99% BW)
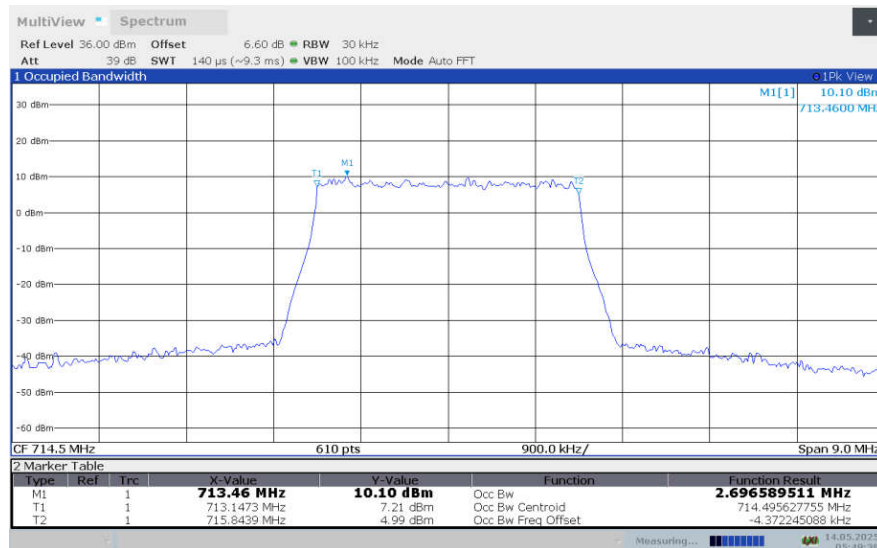
LTE band 12 , 3MHz Bandwidth,LOW,256QAM (99% BW)

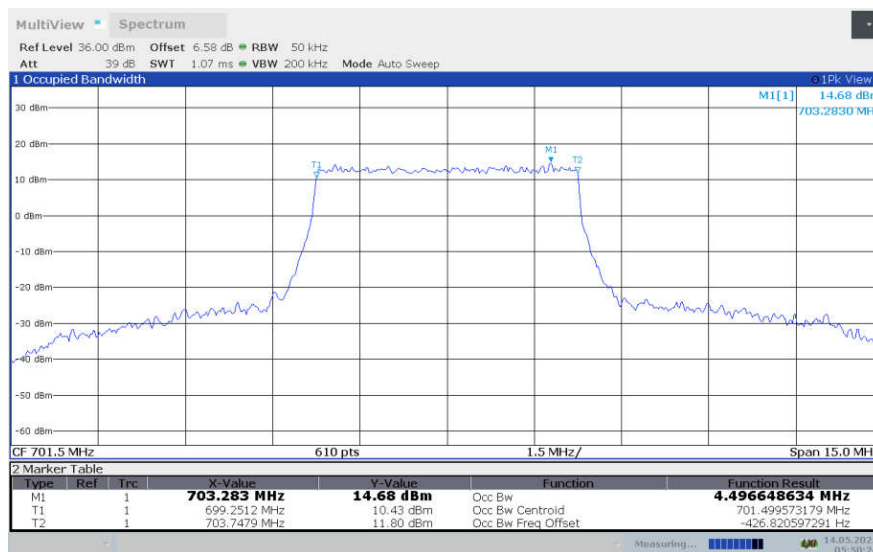**LTE band 12 , 3MHz Bandwidth,MID,256QAM (99% BW)**

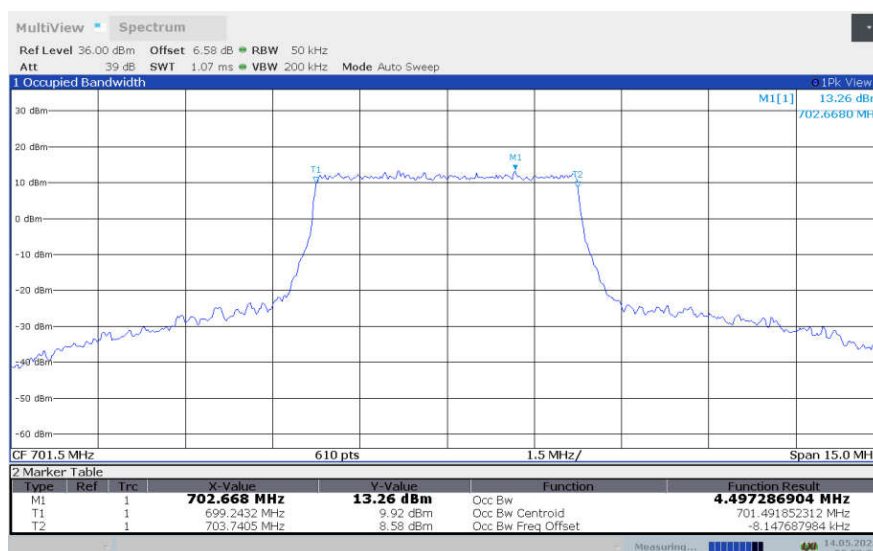**LTE band 12 , 3MHz Bandwidth,HIGH,256QAM (99% BW)**

LTE band 12,5MHz(99%)

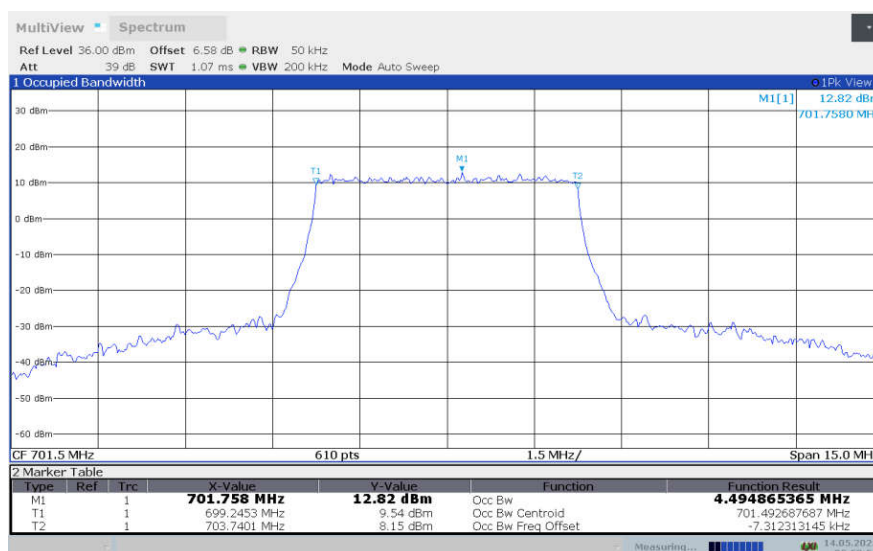| Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
701.5	4.497	4.497	4.495	4.499
707.5	4.499	4.499	4.500	4.496
713.5	4.504	4.495	4.503	4.496

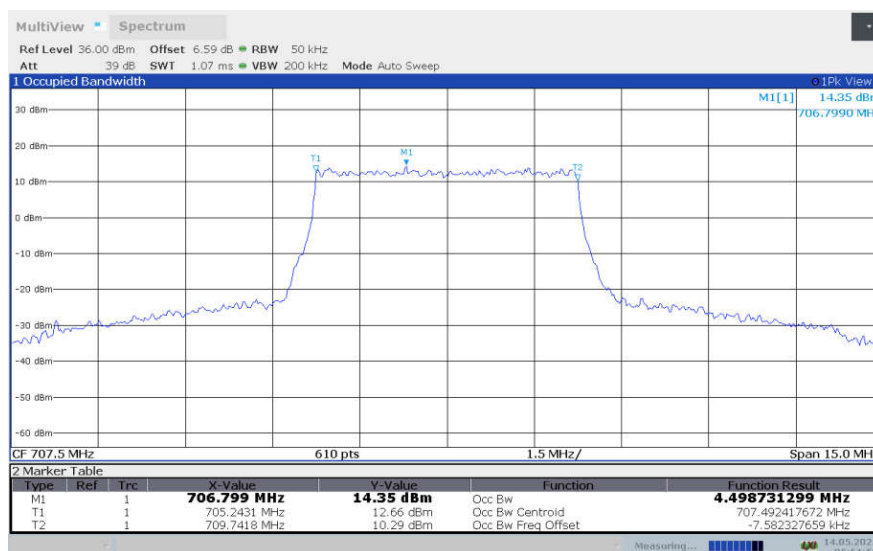**LTE band 12 , 5MHz Bandwidth,LOW,QPSK (99% BW)**

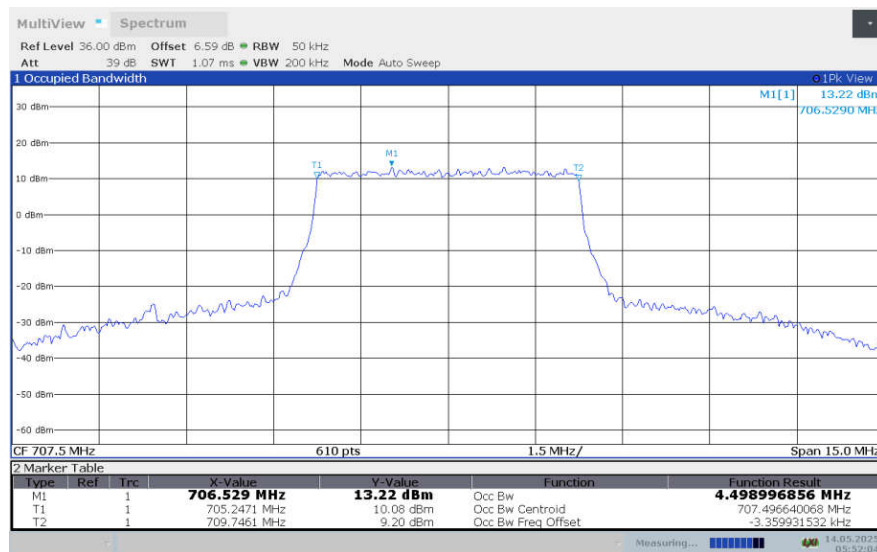**LTE band 12 , 5MHz Bandwidth,LOW,16QAM (99% BW)**

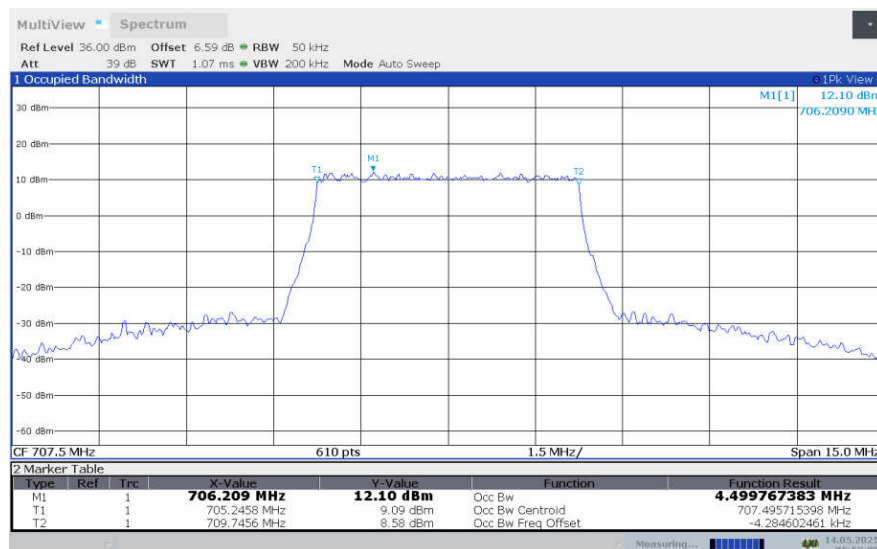**LTE band 12 , 5MHz Bandwidth,LOW,64QAM (99% BW)**
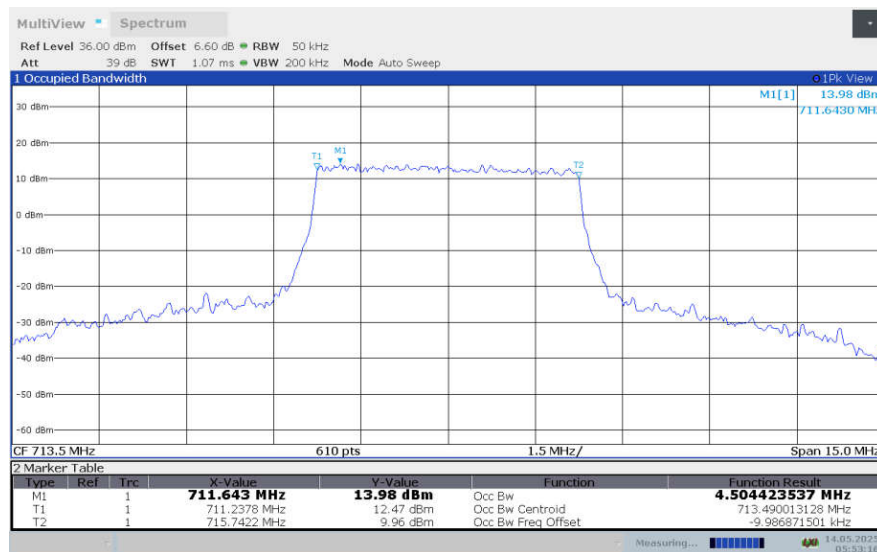
LTE band 12 , 5MHz Bandwidth,MID,QPSK (99% BW)

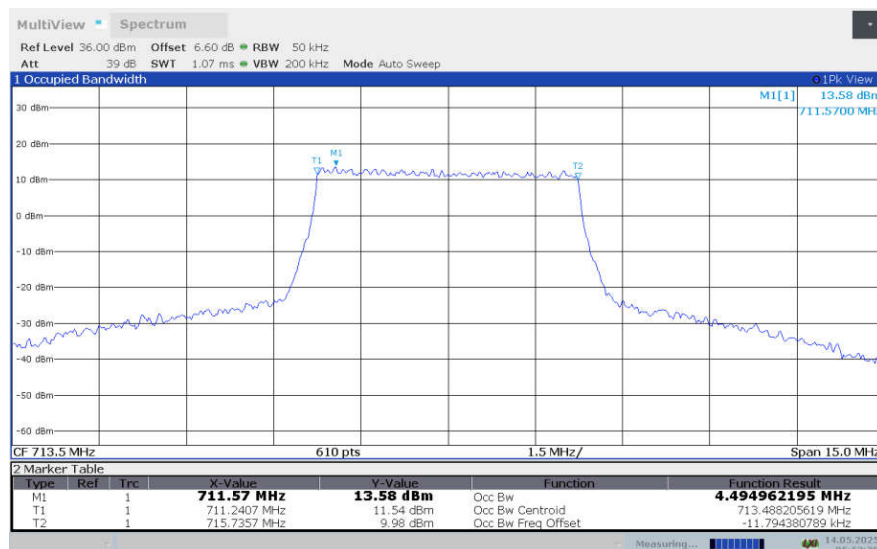**LTE band 12 , 5MHz Bandwidth,MID,16QAM (99% BW)**

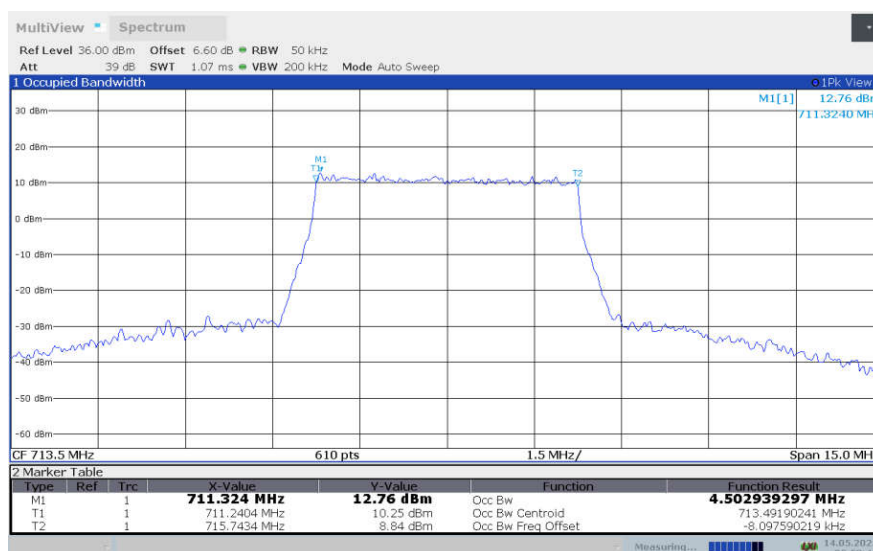**LTE band 12 , 5MHz Bandwidth,MID,64QAM (99% BW)**

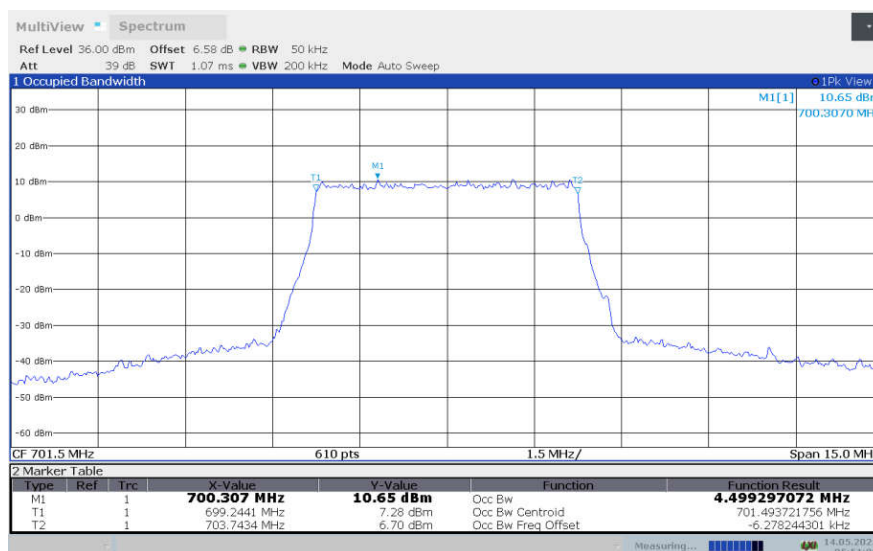**LTE band 12 , 5MHz Bandwidth,HIGH,QPSK (99% BW)**

MultiView ▪ Spectrum

Ref Level 36.00 dBm Offset 6.60 dB ● RBW 50 kHz
Att   39 dB   SWT 1.07 ms ● VBW 200 kHz   Mode Auto Sweep

1 Occupied Bandwidth   ◉1Pk View
                                                      M1[1]   13.98 dBm
                                                              711.6430 MHz

CF 713.5 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	**711.643 MHz**	**13.98 dBm**	Occ Bw	**4.504423537 MHz**
T1		1	711.2378 MHz	12.47 dBm	Occ Bw Centroid	713.490013128 MHz
T2		1	715.7422 MHz	9.96 dBm	Occ Bw Freq Offset	-9.986871501 kHz

Measuring... 14.05.2025 05:53:16

LTE band 12 , 5MHz Bandwidth,HIGH,16QAM (99% BW)

MultiView ▪ Spectrum

Ref Level 36.00 dBm Offset 6.60 dB ● RBW 50 kHz
Att   39 dB   SWT 1.07 ms ● VBW 200 kHz   Mode Auto Sweep

1 Occupied Bandwidth   ◉1Pk View
                                                      M1[1]   13.58 dBm
                                                              711.5700 MHz

CF 713.5 MHz   610 pts   1.5 MHz/   Span 15.0 MHz

2 Marker Table

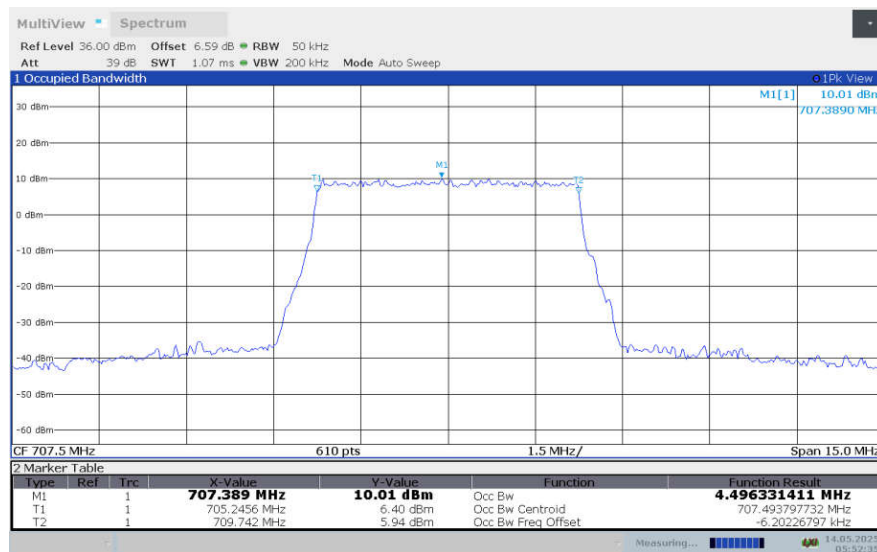| Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**711.57 MHz**	**13.58 dBm**	Occ Bw	**4.494962195 MHz**
T1		1	711.2407 MHz	11.54 dBm	Occ Bw Centroid	713.488205619 MHz
T2		1	715.7357 MHz	9.98 dBm	Occ Bw Freq Offset	-11.794380789 kHz

Measuring... 14.05.2025 05:53:30

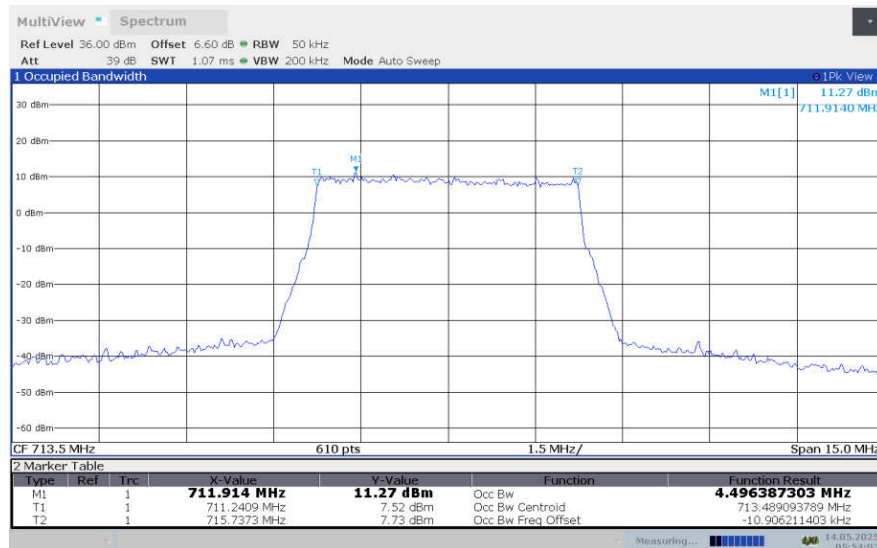**LTE band 12 , 5MHz Bandwidth,HIGH,64QAM (99% BW)**

LTE band 12 , 5MHz Bandwidth,LOW,256QAM (99% BW)

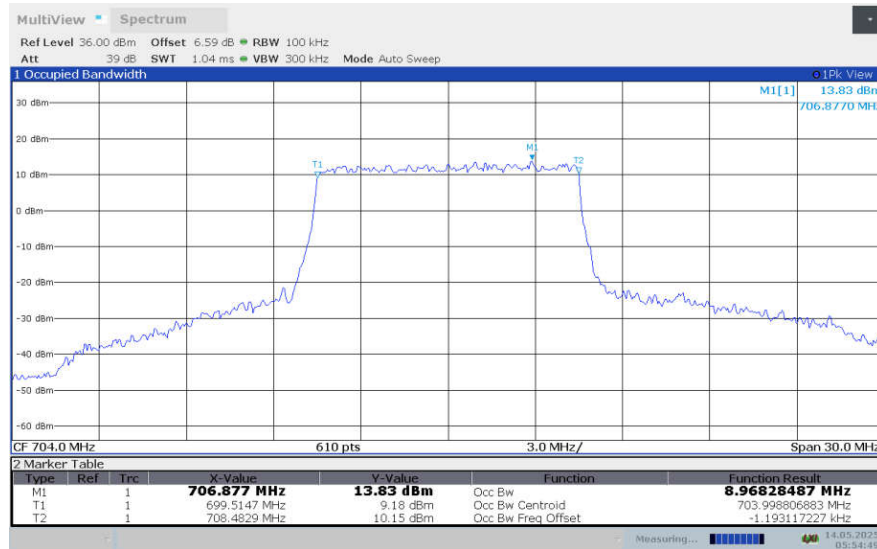**LTE band 12 , 5MHz Bandwidth,MID,256QAM (99% BW)**

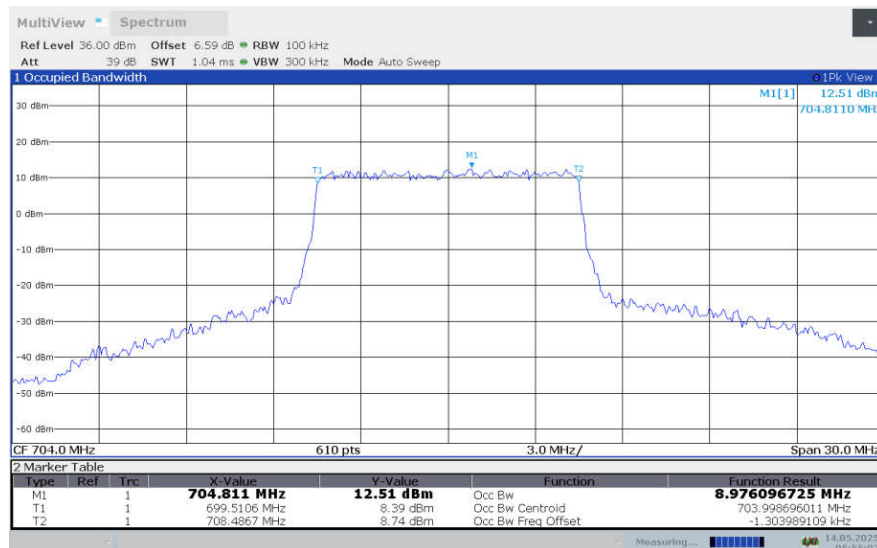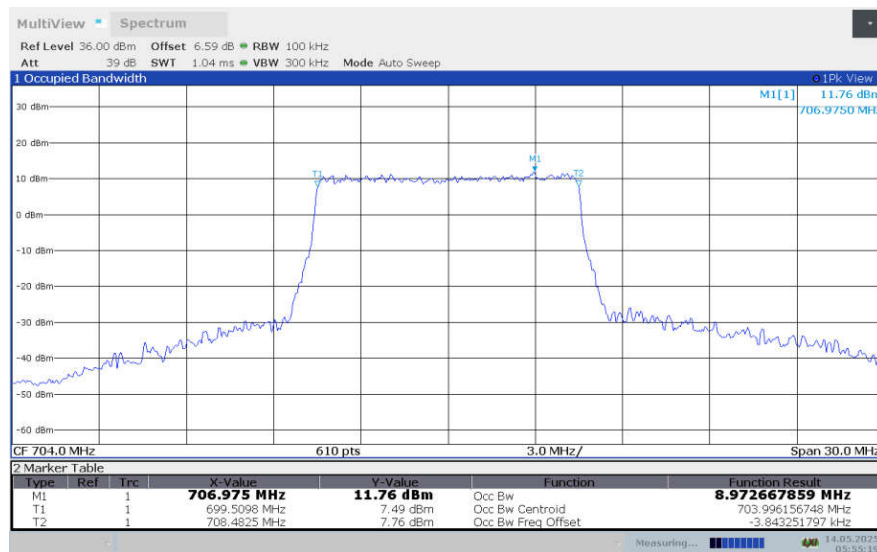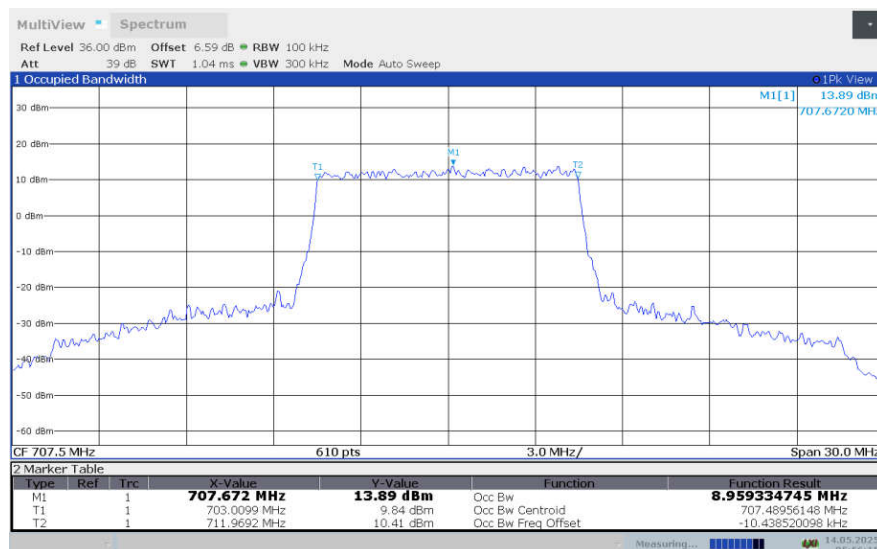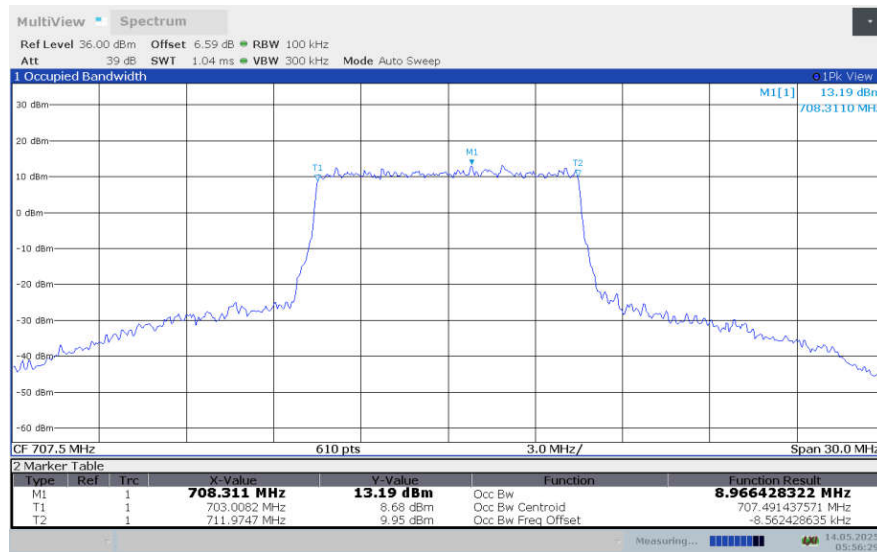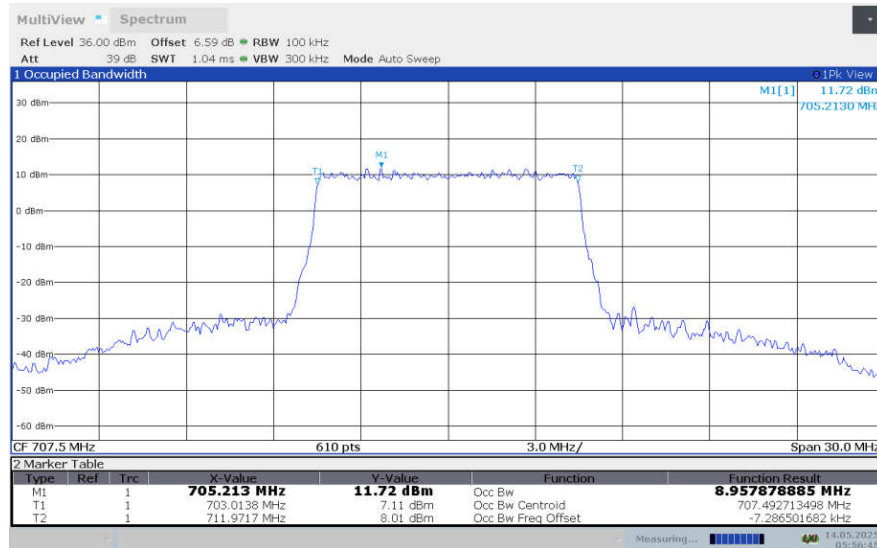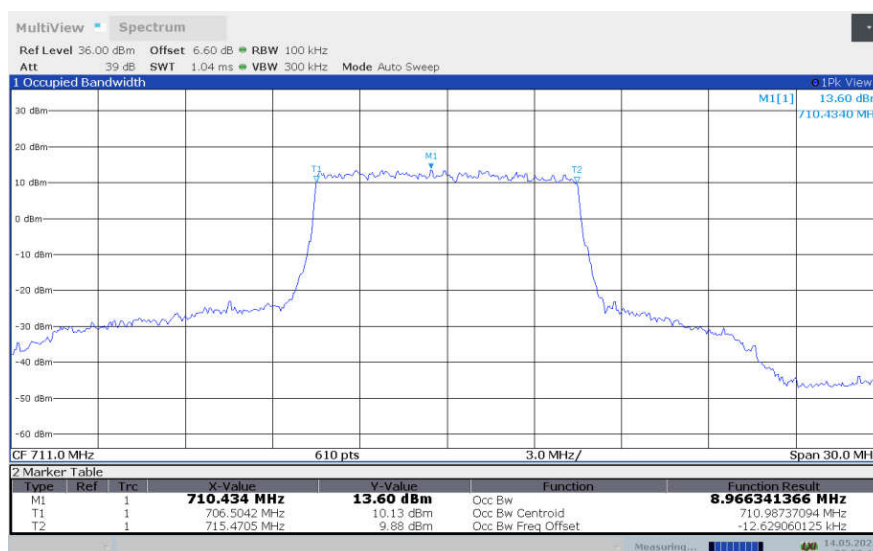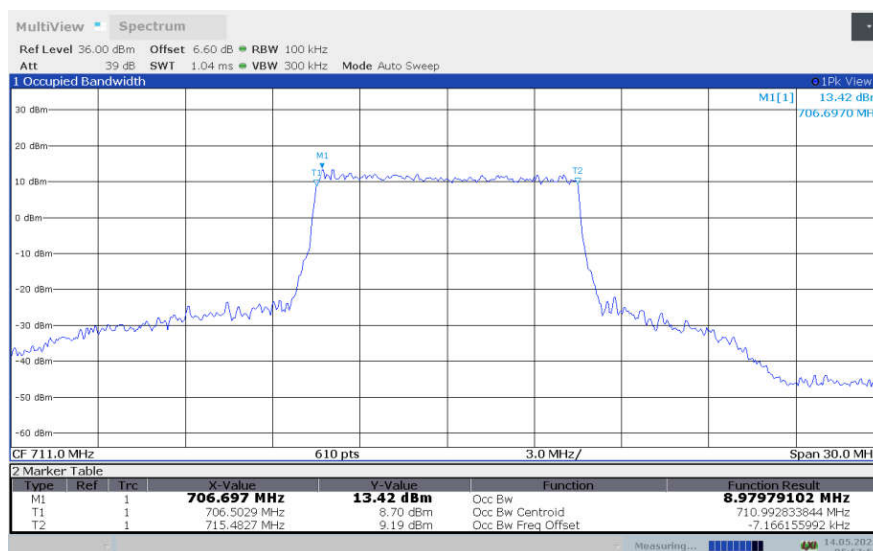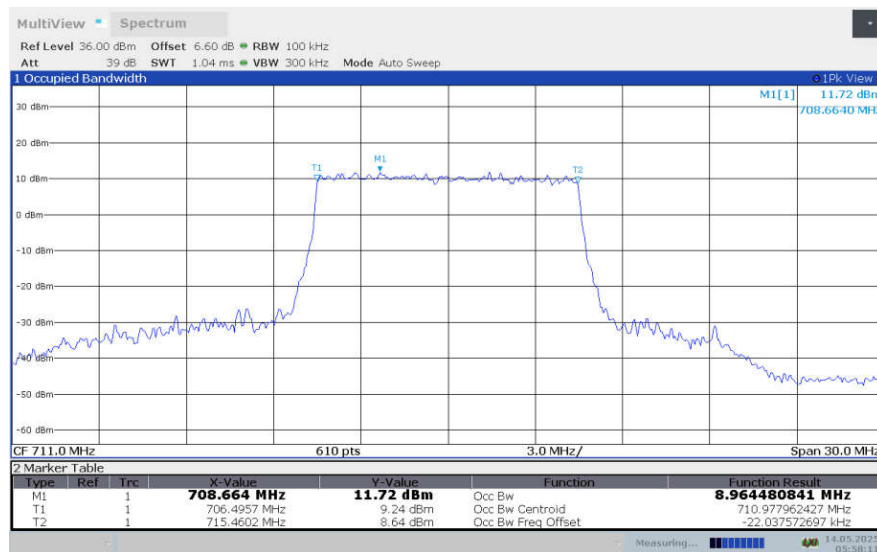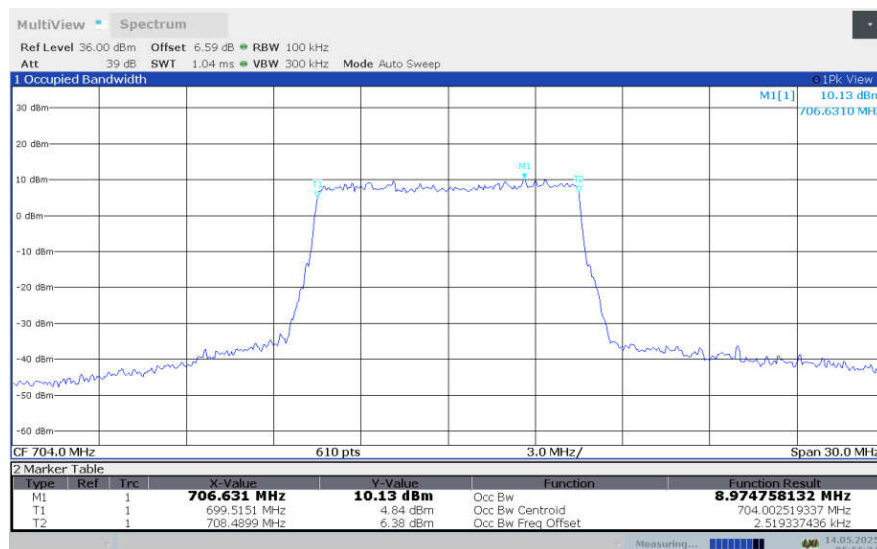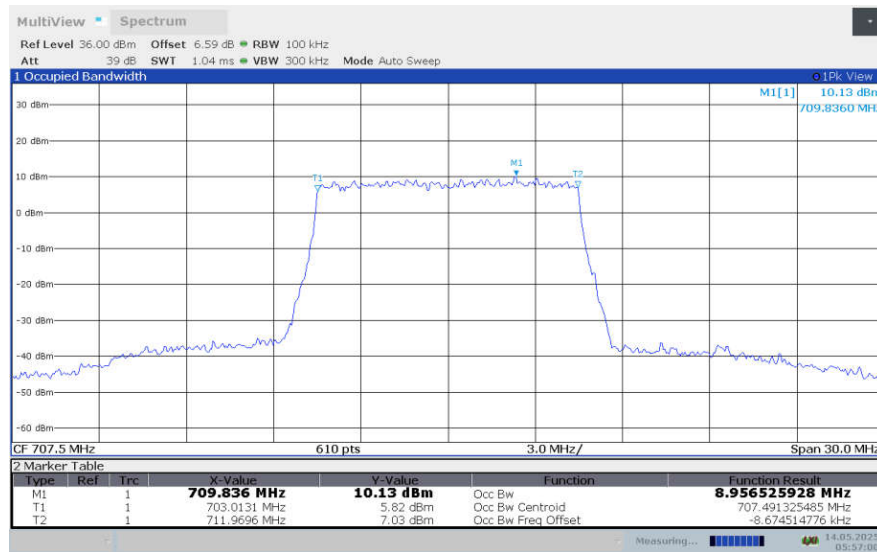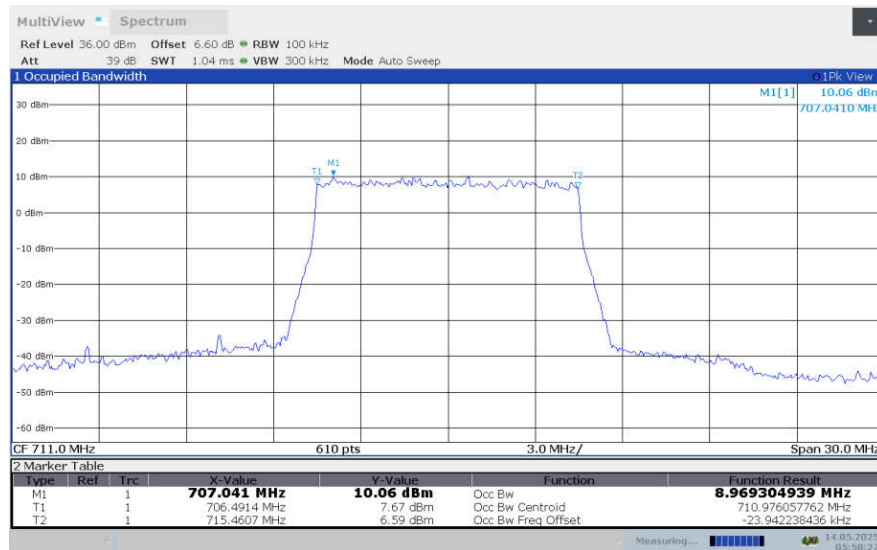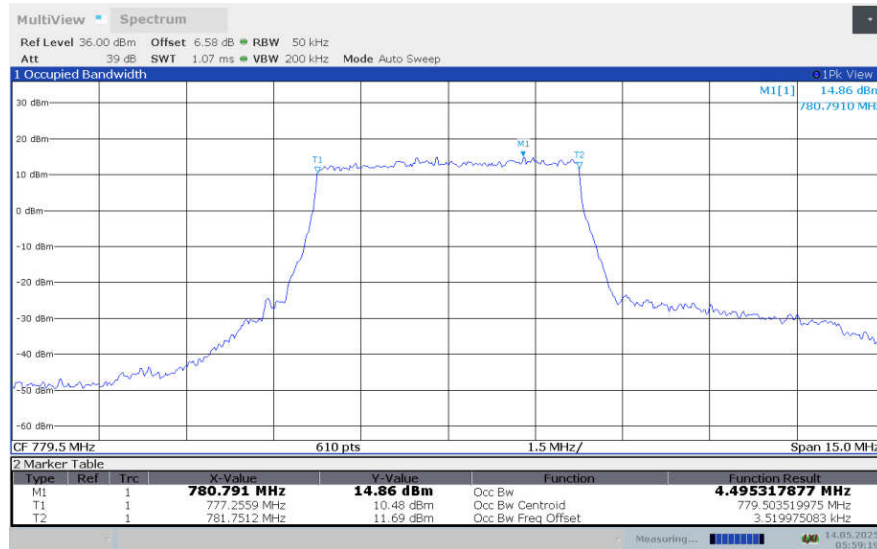**LTE band 12 , 5MHz Bandwidth,HIGH,256QAM (99% BW)**

LTE band 12,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
704	8.968	8.976	8.973	8.975
707.5	8.959	8.966	8.958	8.957
711	8.966	8.980	8.964	8.969

LTE band 12 , 10MHz Bandwidth,LOW,QPSK (99% BW)

LTE band 12 , 10MHz Bandwidth,LOW,16QAM (99% BW)

LTE band 12 , 10MHz Bandwidth,LOW,64QAM (99% BW)

LTE band 12 , 10MHz Bandwidth,MID,QPSK (99% BW)

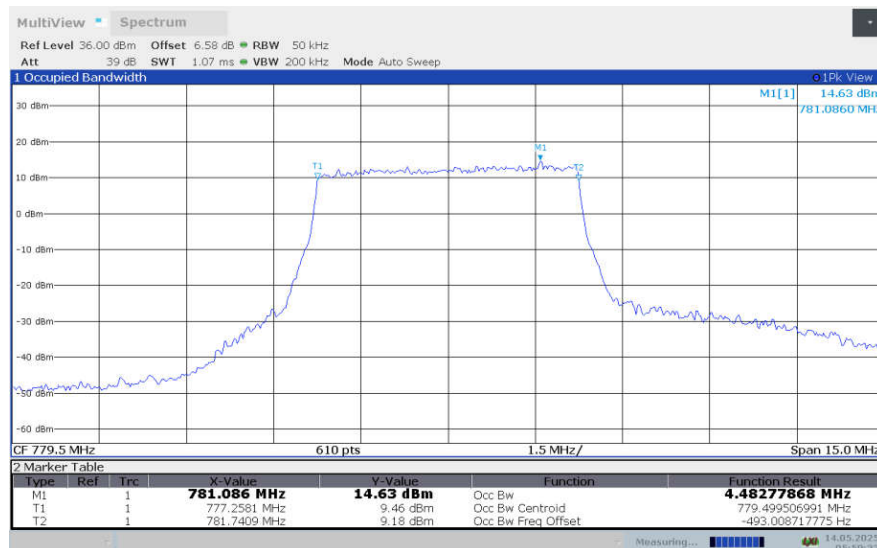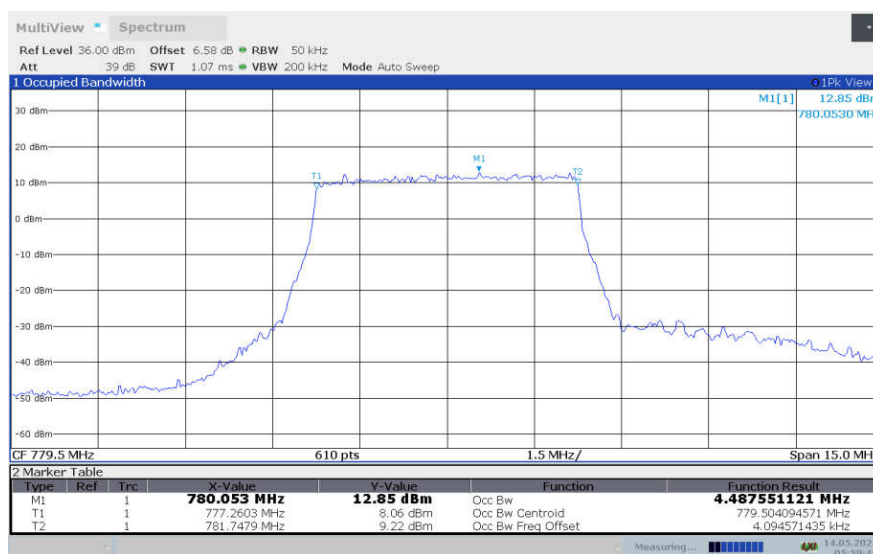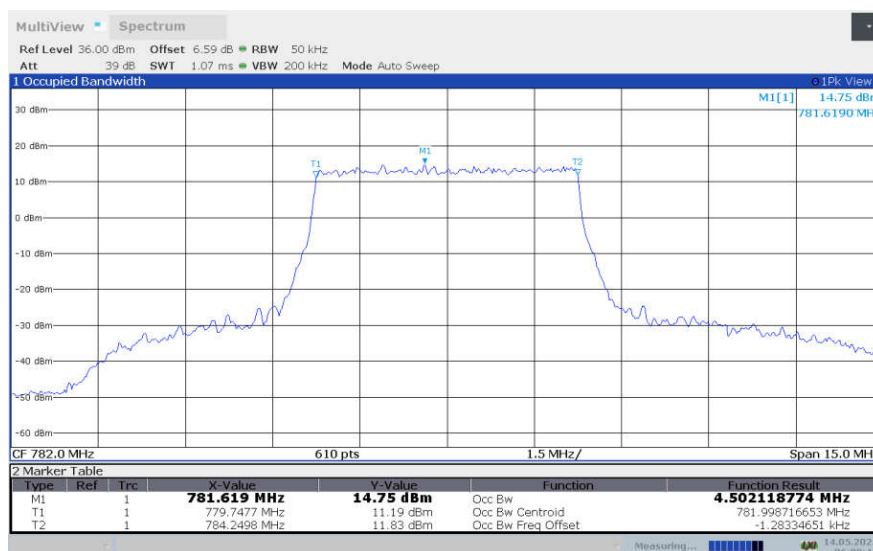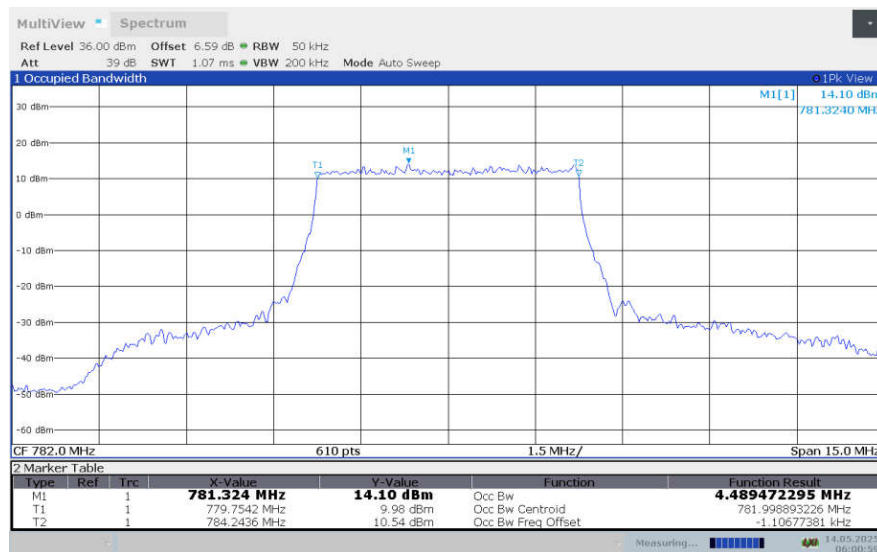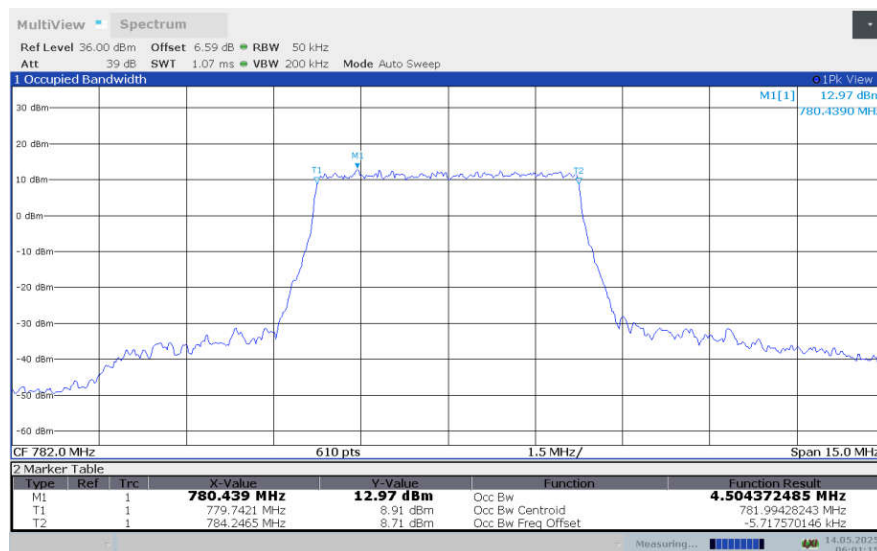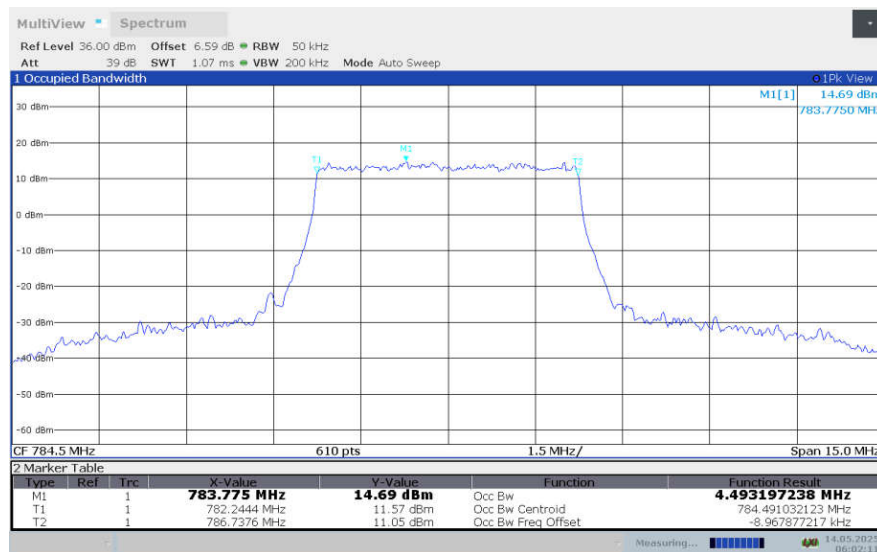**LTE band 12 , 10MHz Bandwidth,MID,16QAM (99% BW)**
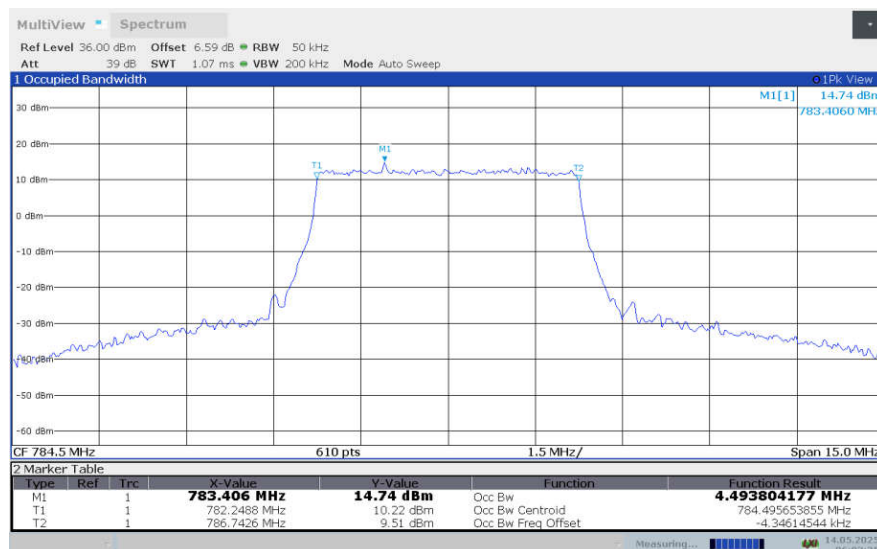
LTE band 12 , 10MHz Bandwidth,MID,64QAM (99% BW)

LTE band 12 , 10MHz Bandwidth,HIGH,QPSK (99% BW)

LTE band 12 , 10MHz Bandwidth,HIGH,16QAM (99% BW)

LTE band 12 , 10MHz Bandwidth,HIGH,64QAM (99% BW)

LTE band 12 , 10MHz Bandwidth,LOW,256QAM (99% BW)

LTE band 12 , 10MHz Bandwidth,MID,256QAM (99% BW)

LTE band 12 , 10MHz Bandwidth,HIGH,256QAM (99% BW)

LTE band 13,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
779.5	4.495	4.483	4.488	4.491
782	4.502	4.489	4.504	4.500
784.5	4.493	4.494	4.498	4.499

LTE band 13 , 5MHz Bandwidth,LOW,QPSK (99% BW)

LTE band 13 , 5MHz Bandwidth,LOW,16QAM (99% BW)

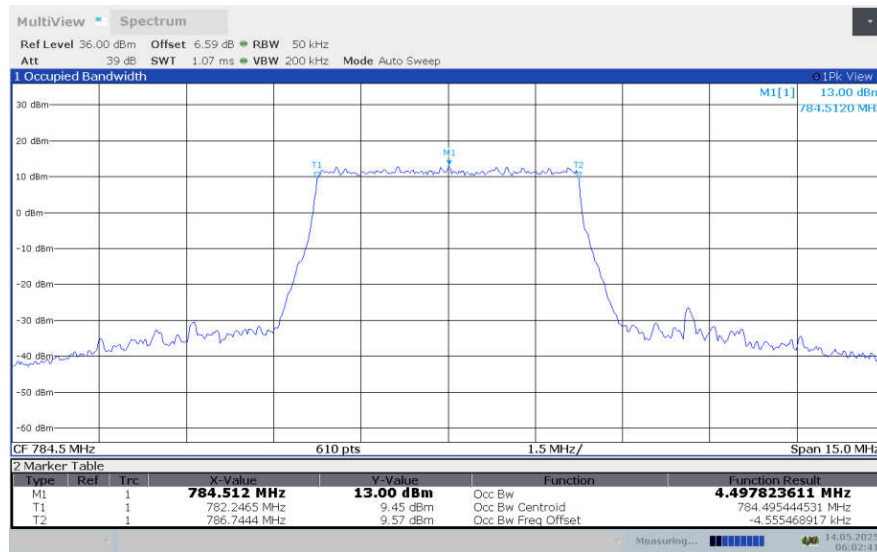**LTE band 13 , 5MHz Bandwidth,LOW,64QAM (99% BW)**

LTE band 13 , 5MHz Bandwidth,MID,QPSK (99% BW)

LTE band 13 , 5MHz Bandwidth,MID,16QAM (99% BW)

LTE band 13 , 5MHz Bandwidth,MID,64QAM (99% BW)

LTE band 13 , 5MHz Bandwidth,HIGH,QPSK (99% BW)
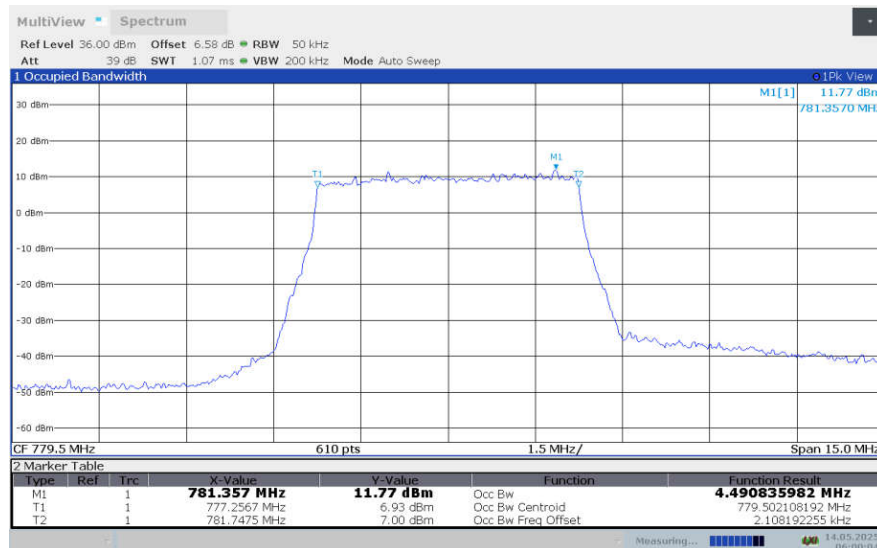
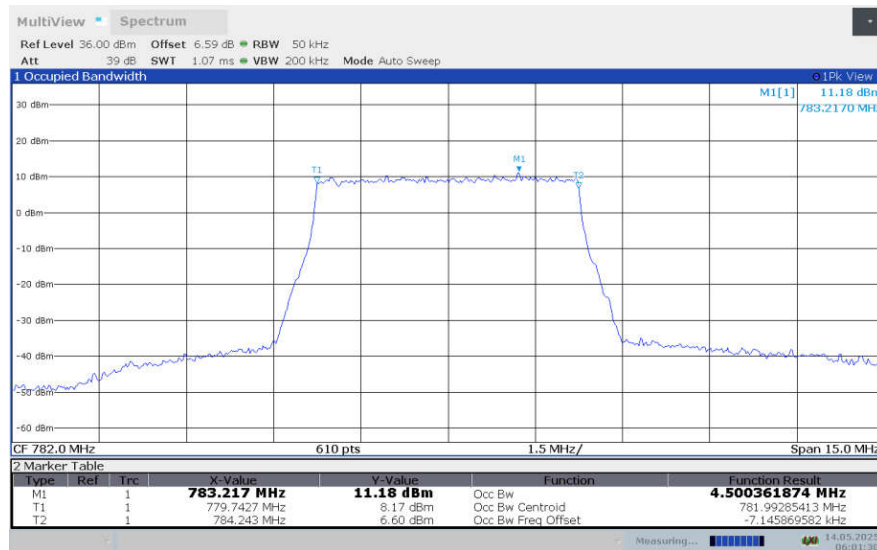**LTE band 13 , 5MHz Bandwidth,HIGH,16QAM (99% BW)**

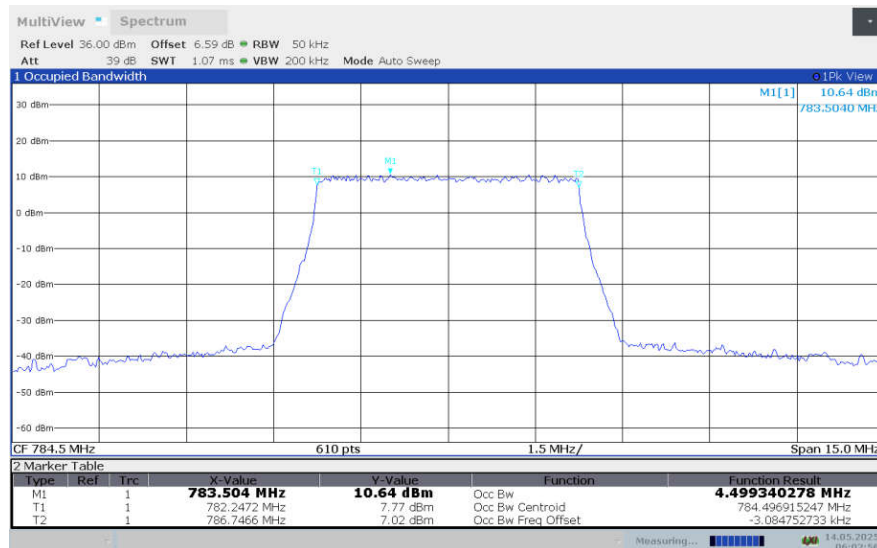**LTE band 13 , 5MHz Bandwidth,HIGH,64QAM (99% BW)**

LTE band 13 , 5MHz Bandwidth,LOW,256QAM (99% BW)
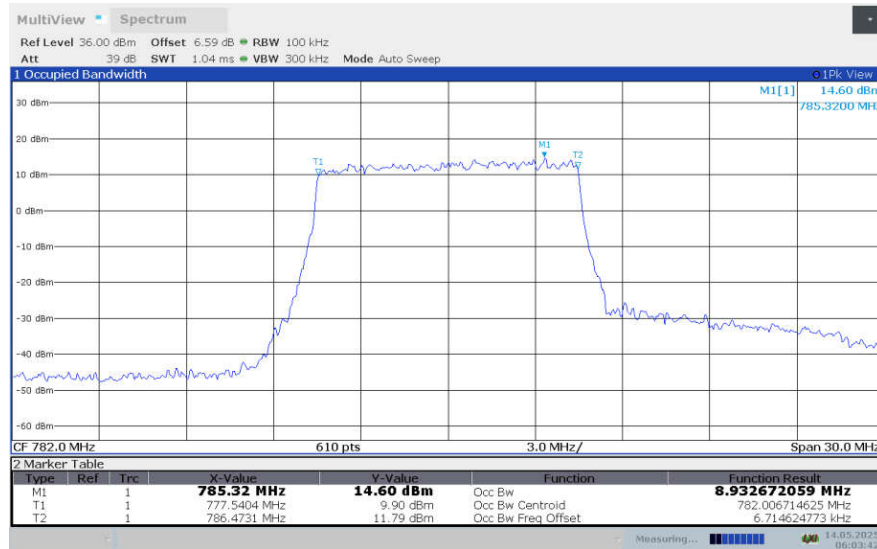

LTE band 13 , 5MHz Bandwidth,MID,256QAM (99% BW)

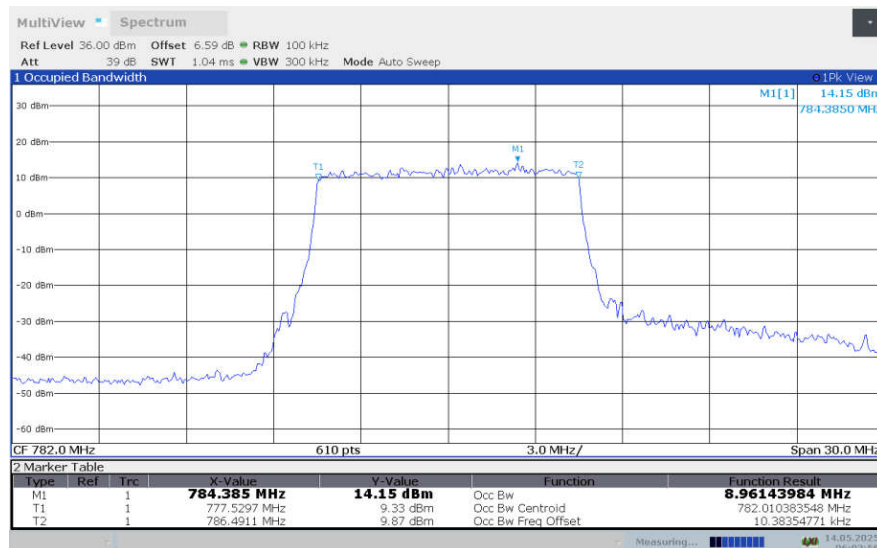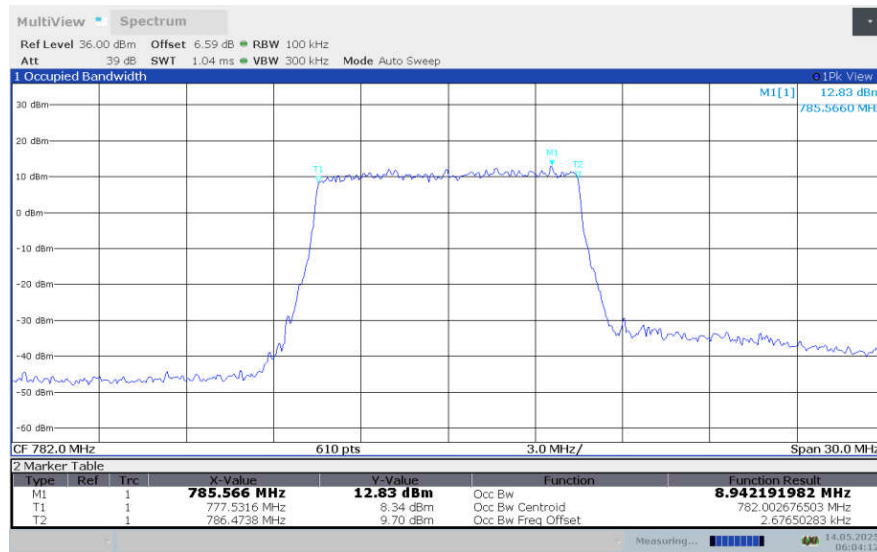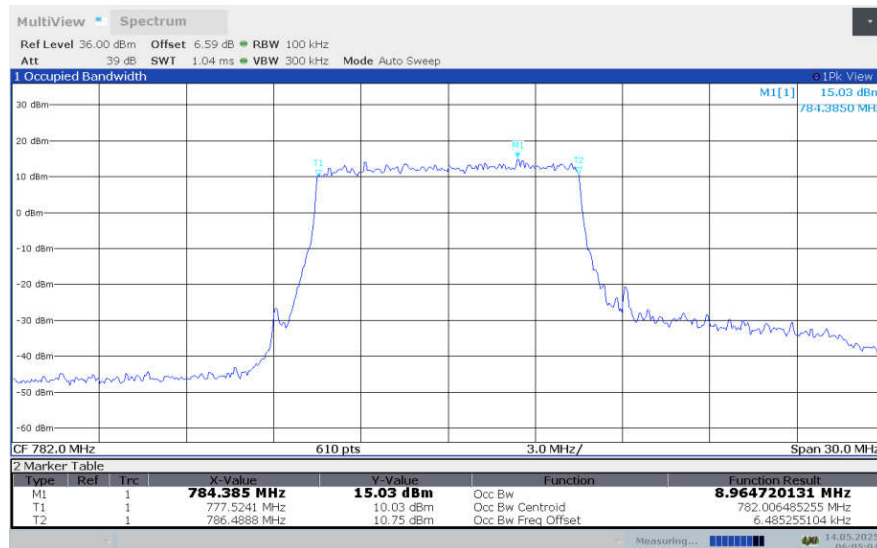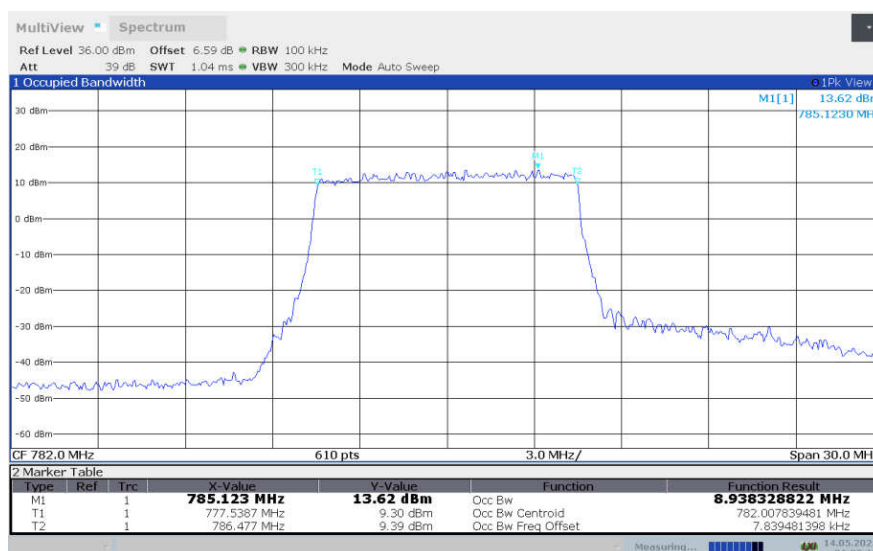**LTE band 13 , 5MHz Bandwidth,HIGH,256QAM (99% BW)**

LTE band 13,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
782	8.933	8.961	8.942	8.952
782	8.965	8.938	8.938	8.948
782	8.953	8.976	8.969	8.948

LTE band 13 , 10MHz Bandwidth,LOW,QPSK (99% BW)

LTE band 13 , 10MHz Bandwidth,LOW,16QAM (99% BW)

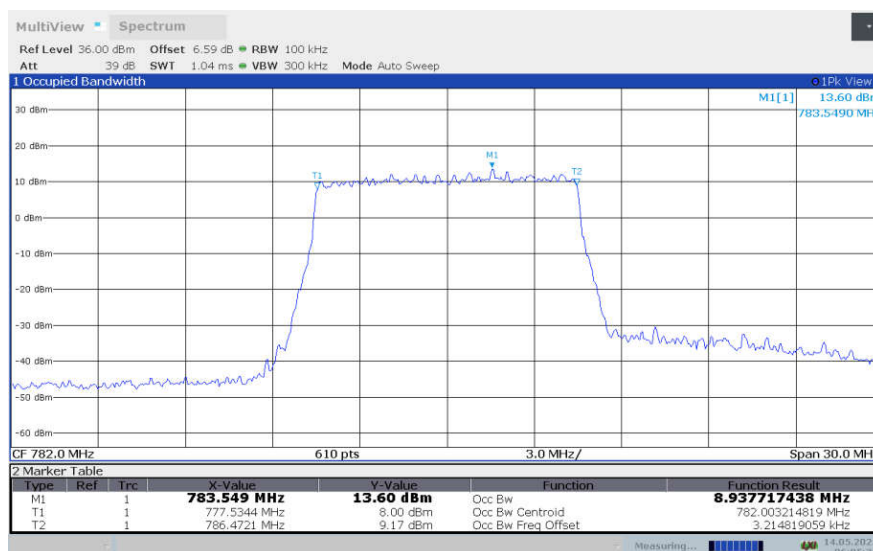**LTE band 13 , 10MHz Bandwidth,LOW,64QAM (99% BW)**

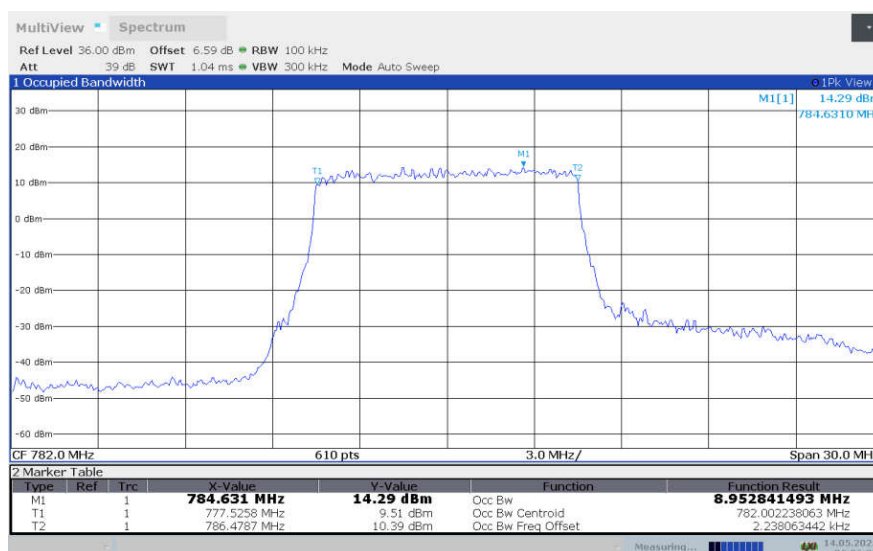**LTE band 13 , 10MHz Bandwidth,MID,QPSK (99% BW)**

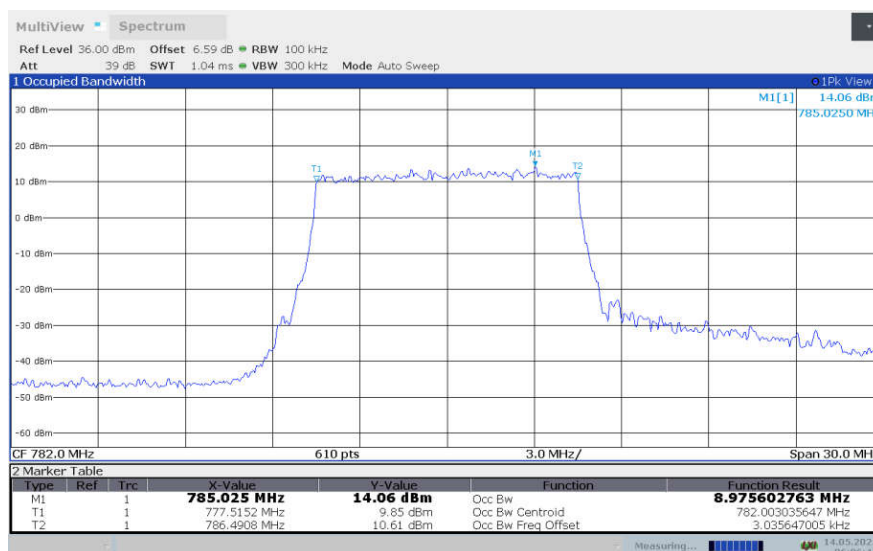**LTE band 13 , 10MHz Bandwidth,MID,16QAM (99% BW)**
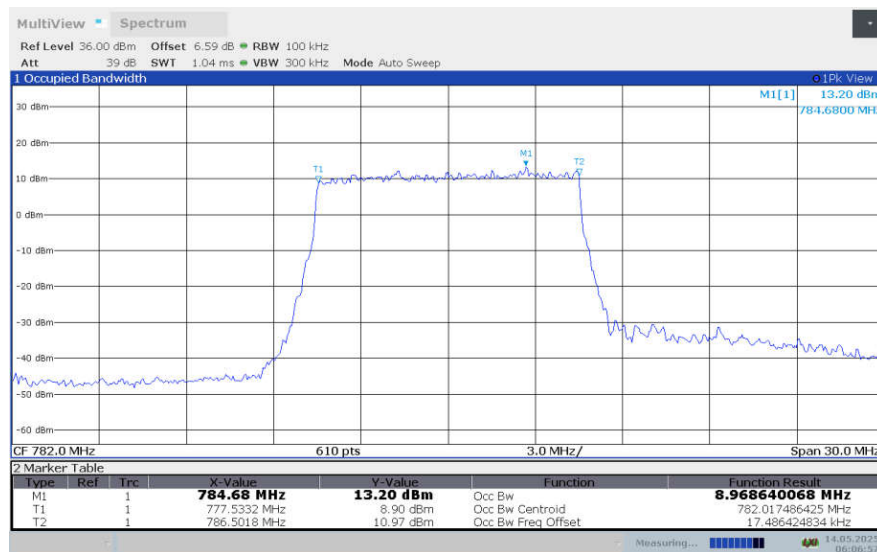
LTE band 13 , 10MHz Bandwidth,MID,64QAM (99% BW)
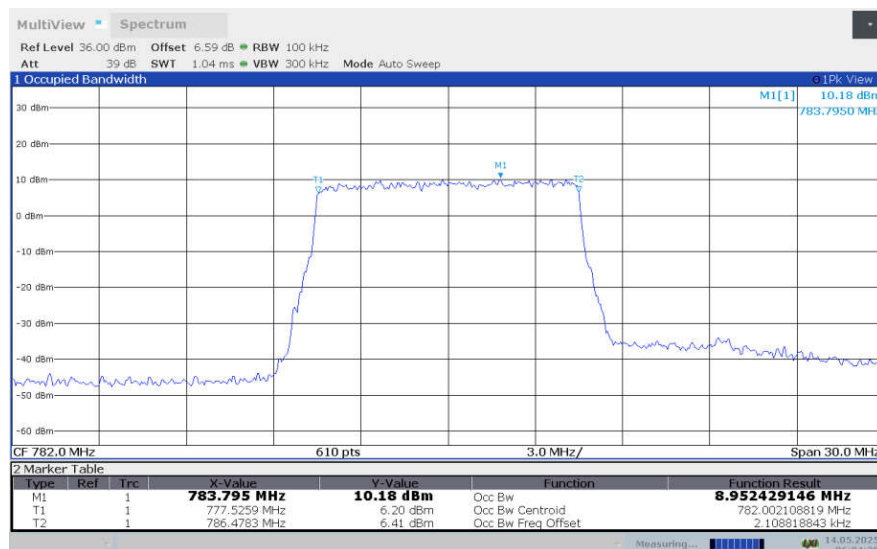

LTE band 13 , 10MHz Bandwidth,HIGH,QPSK (99% BW)

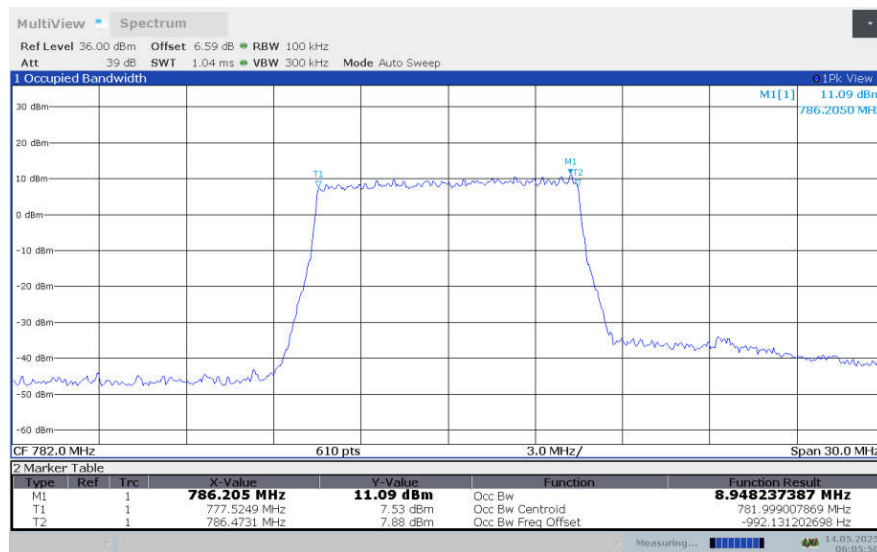**LTE band 13 , 10MHz Bandwidth,HIGH,16QAM (99% BW)**

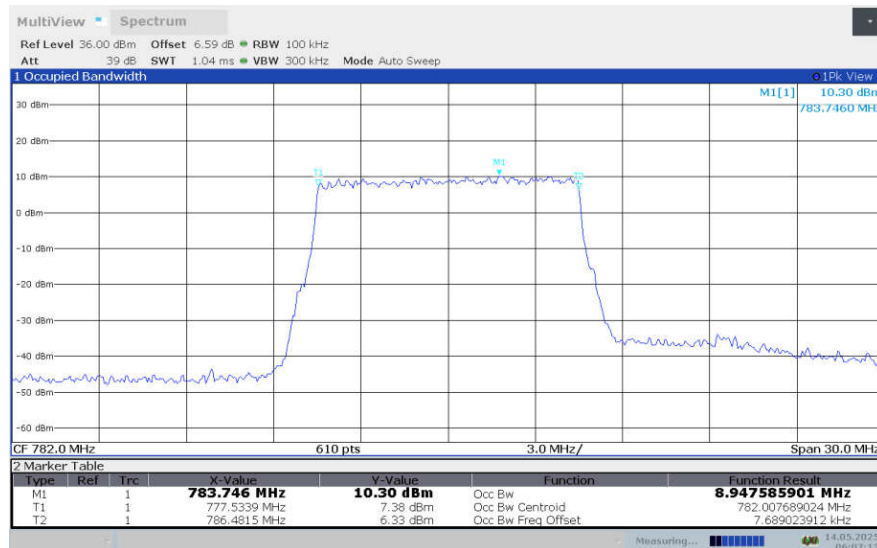**LTE band 13 , 10MHz Bandwidth,HIGH,64QAM (99% BW)**

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

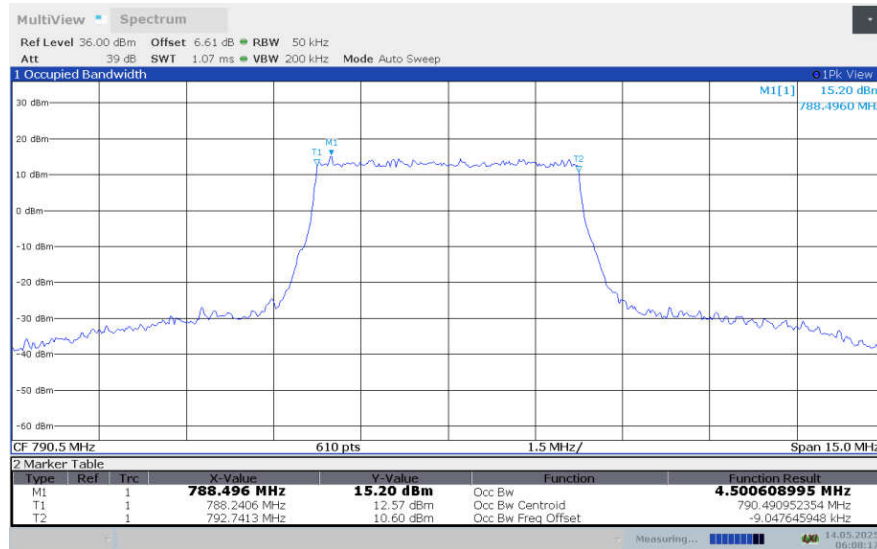**LTE band 13 , 10MHz Bandwidth,MID,256QAM (99% BW)**
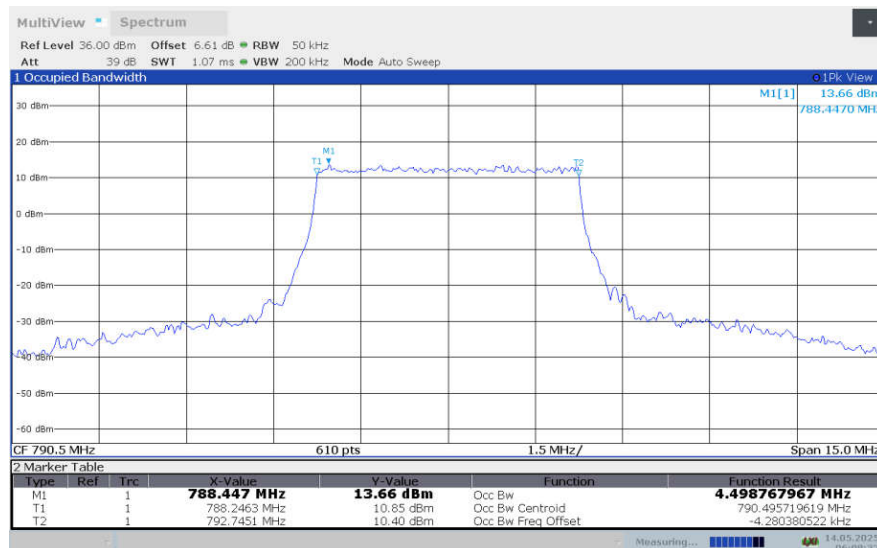
LTE band 13 , 10MHz Bandwidth,HIGH,256QAM (99% BW)

LTE band 14,5MHz(99%)

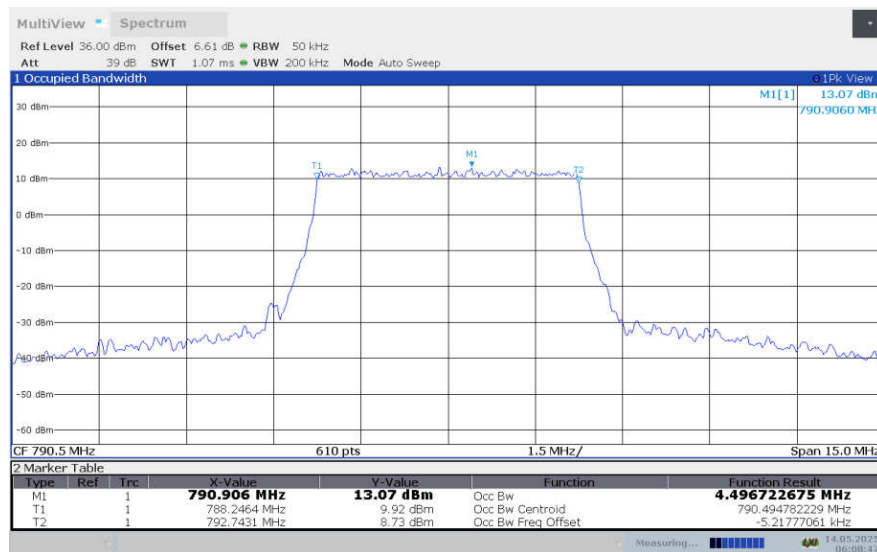| Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
790.5	4.501	4.499	4.497	4.496
793	4.498	4.498	4.500	4.499
795.5	4.487	4.500	4.499	4.501

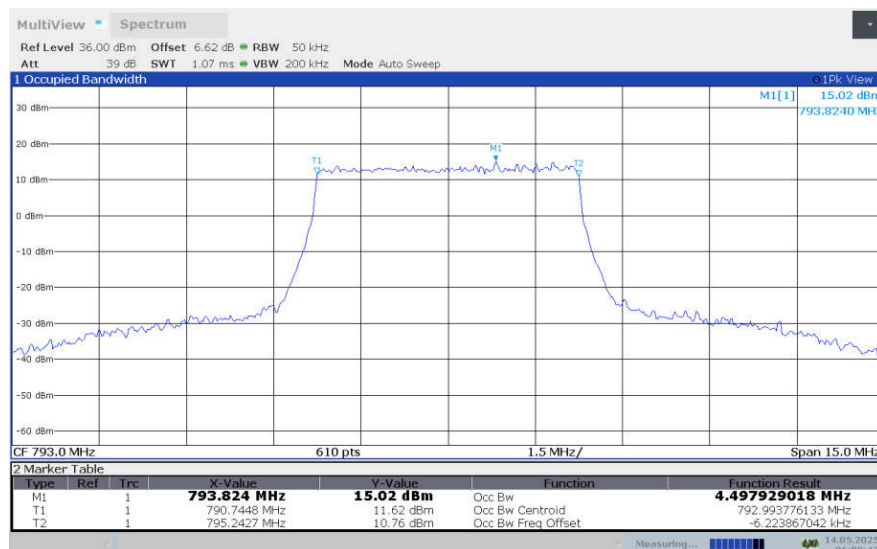**LTE band 14 , 5MHz Bandwidth,LOW,QPSK (99% BW)**

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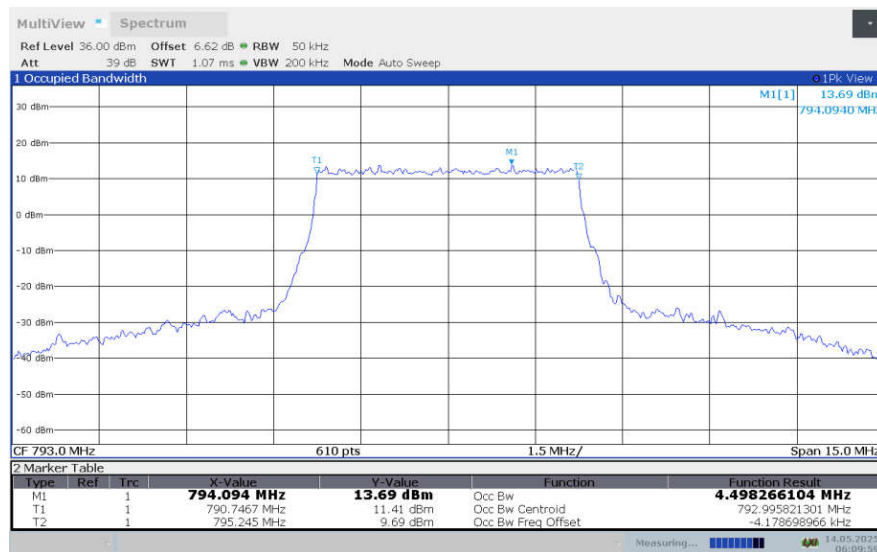

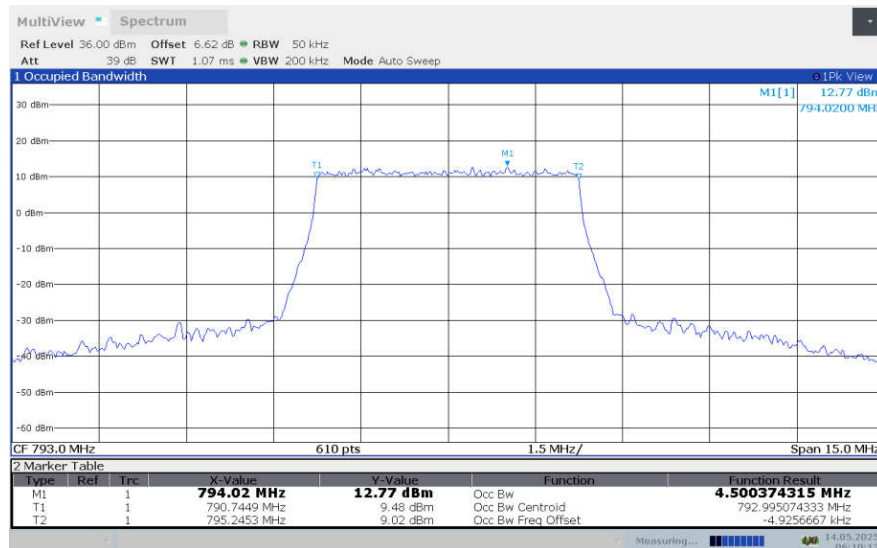**LTE band 14 , 5MHz Bandwidth,LOW,64QAM (99% BW)**

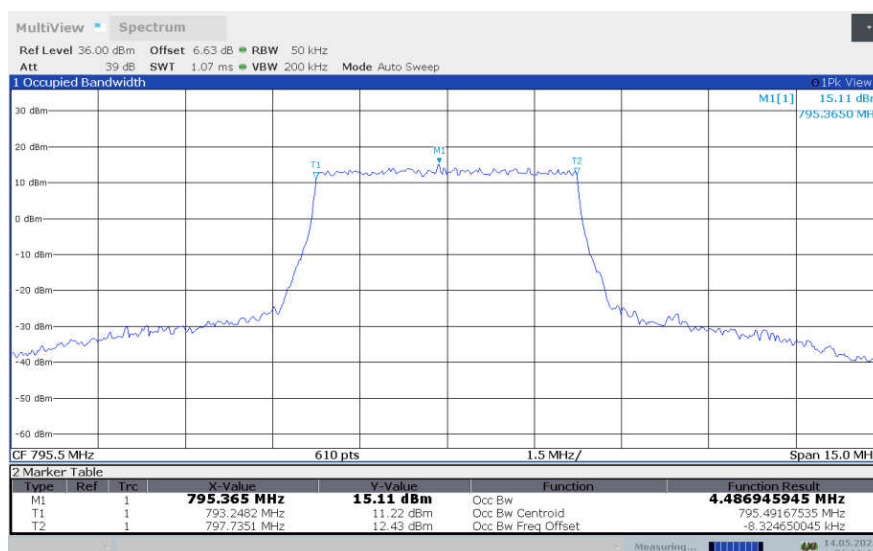**LTE band 14 , 5MHz Bandwidth,MID,QPSK (99% BW)**
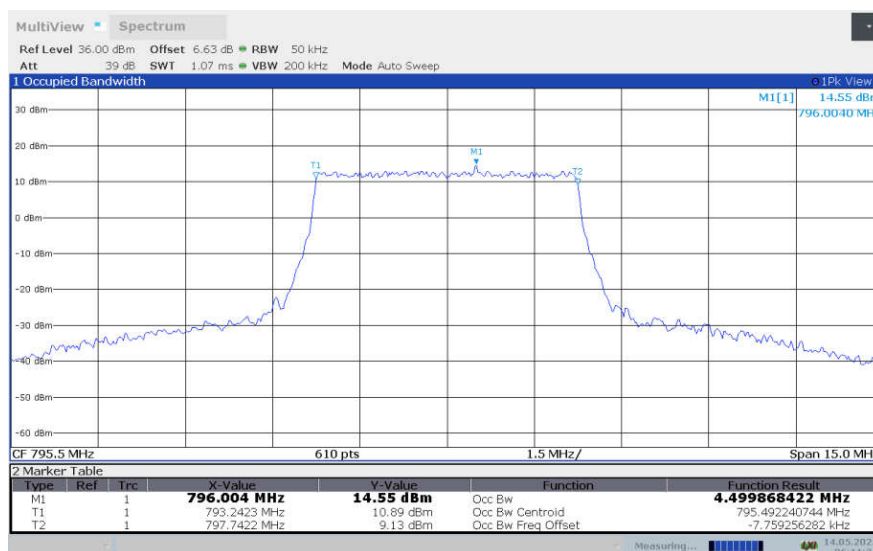

LTE band 14 , 5MHz Bandwidth,MID,16QAM (99% BW)
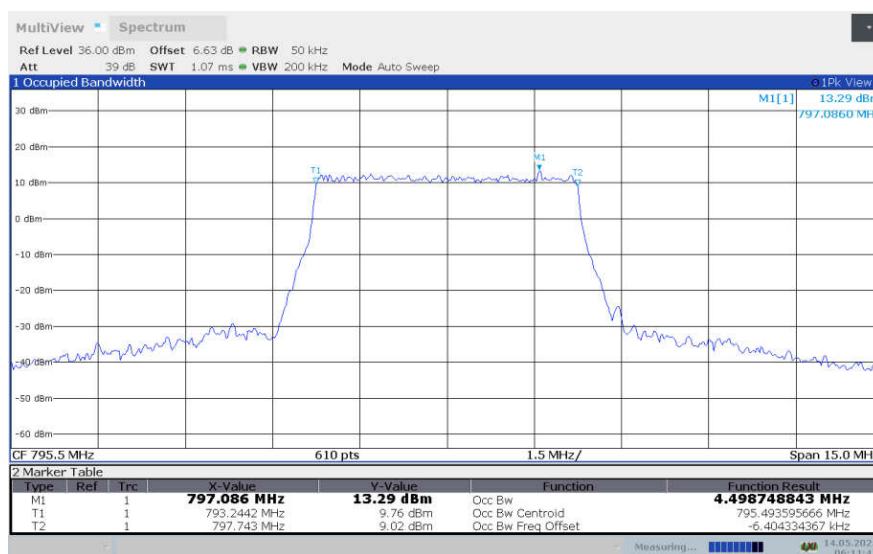
LTE band 14 , 5MHz Bandwidth,MID,64QAM (99% BW)

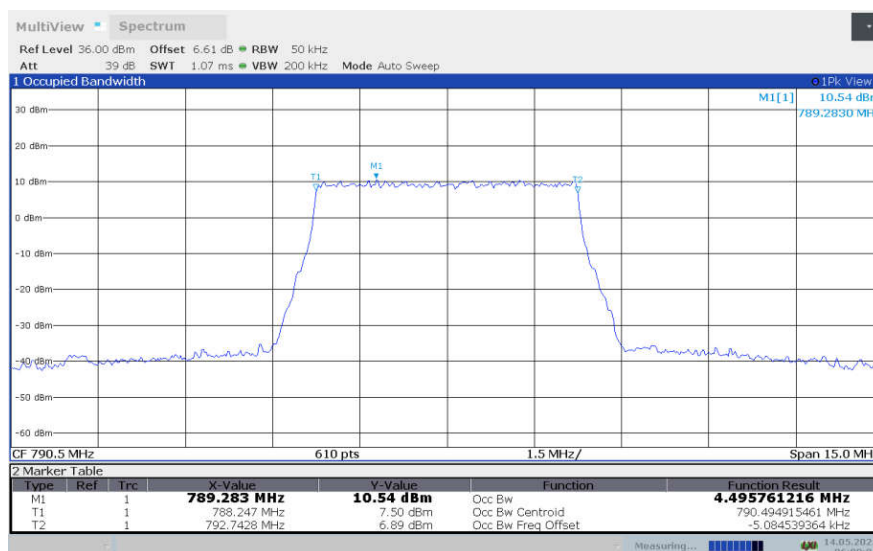**LTE band 14 , 5MHz Bandwidth,HIGH,QPSK (99% BW)**

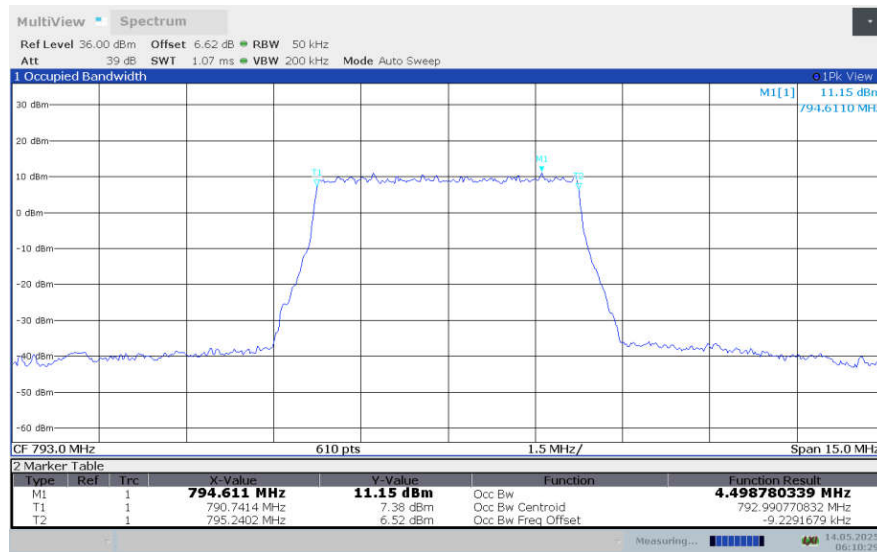**LTE band 14 , 5MHz Bandwidth,HIGH,16QAM (99% BW)**

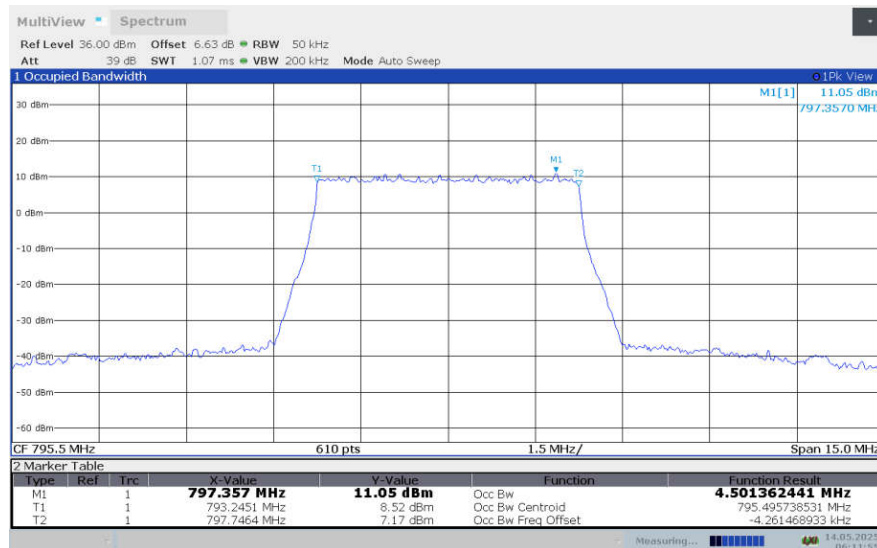**LTE band 14 , 5MHz Bandwidth,HIGH,64QAM (99% BW)**

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

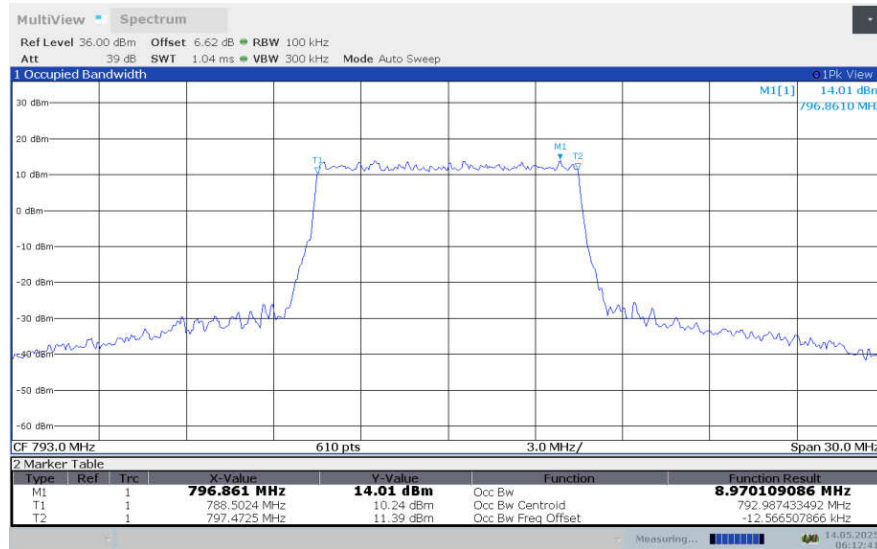**LTE band 14 , 5MHz Bandwidth,MID,256QAM (99% BW)**

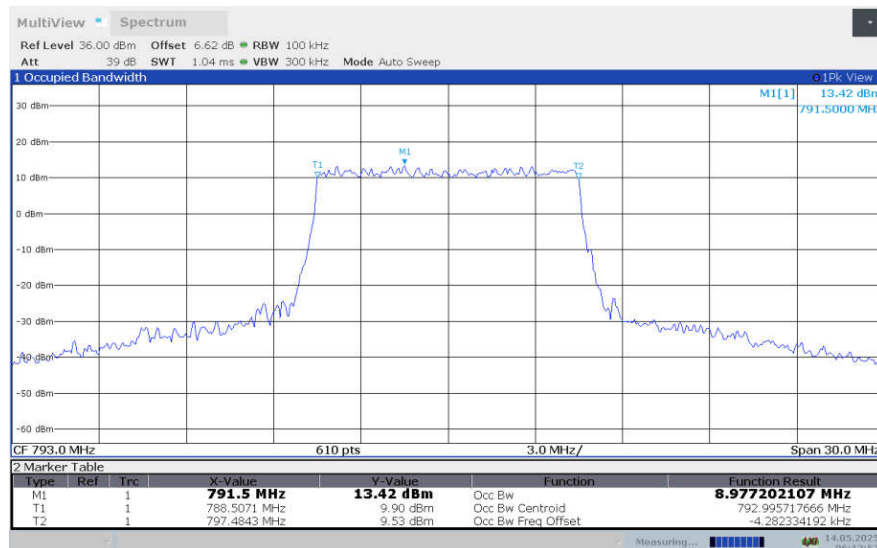**LTE band 14 , 5MHz Bandwidth,HIGH,256QAM (99% BW)**

LTE band 14,10MHz(99%)

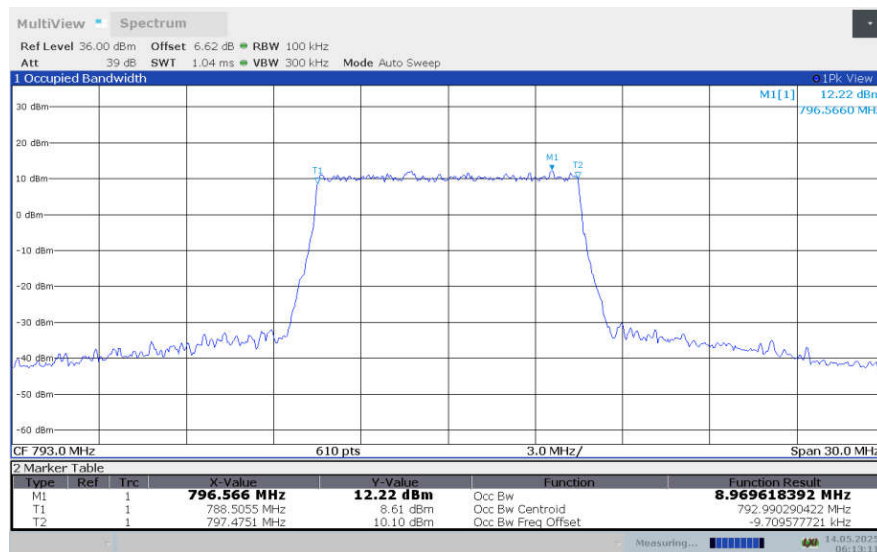| Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
793	8.970	8.977	8.970	8.968
793	8.979	8.981	8.974	8.966
793	8.973	8.979	8.986	8.963

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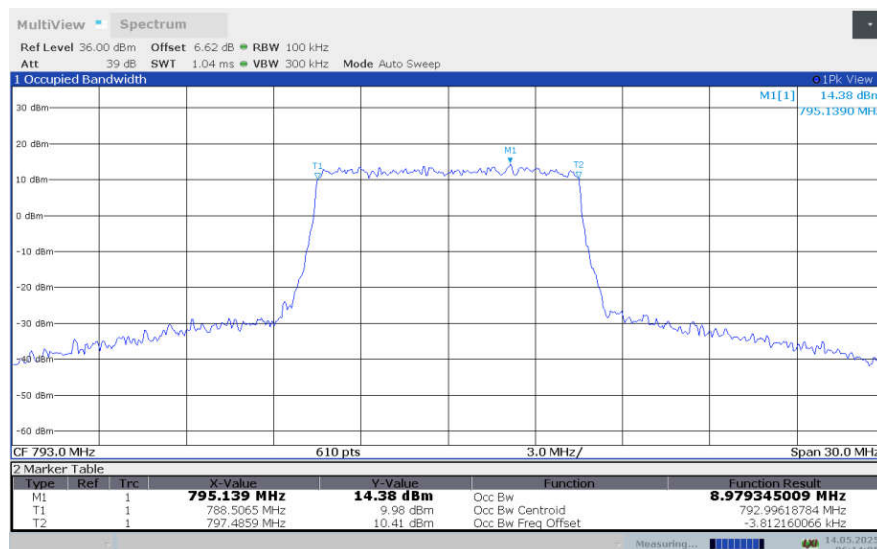

LTE band 14 , 10MHz Bandwidth,LOW,16QAM (99% BW)

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)