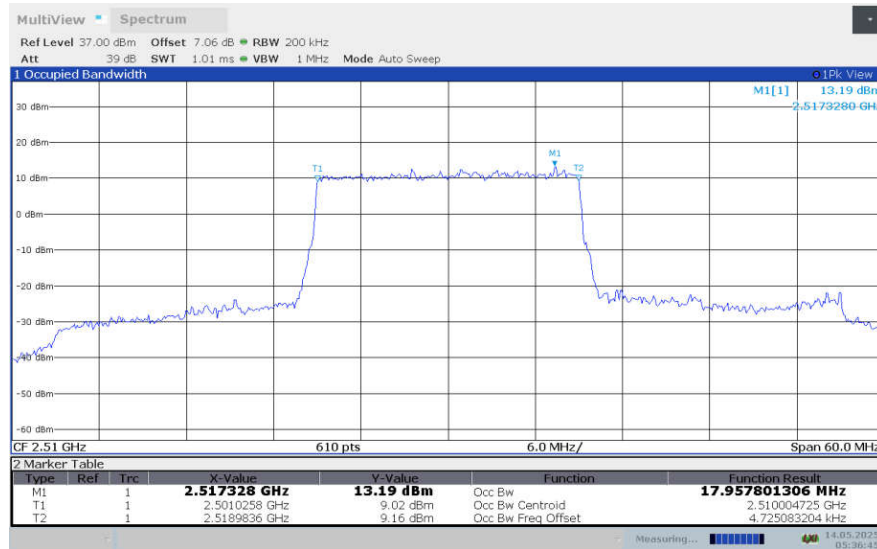


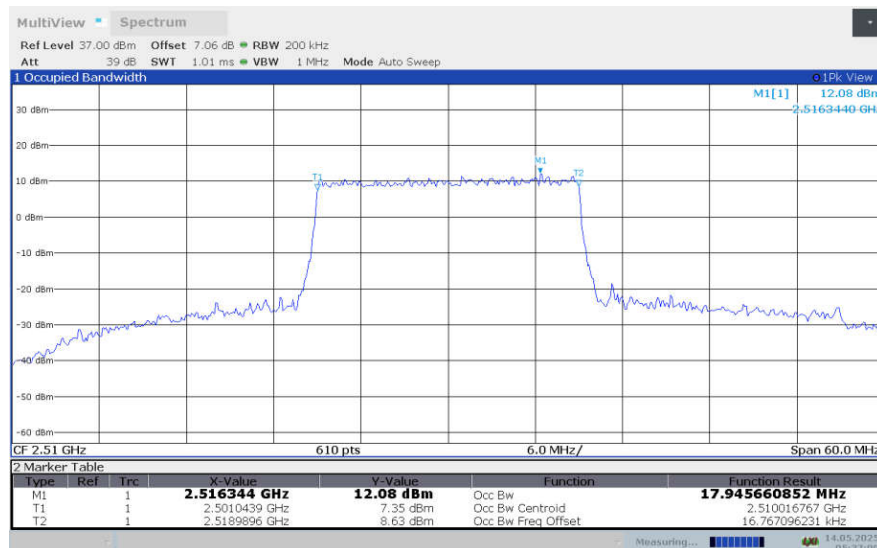
LTE band 7,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
2510	17.958	17.946	17.947	18.009
2535	17.991	17.983	17.958	17.969
2560	17.973	17.984	17.970	17.937

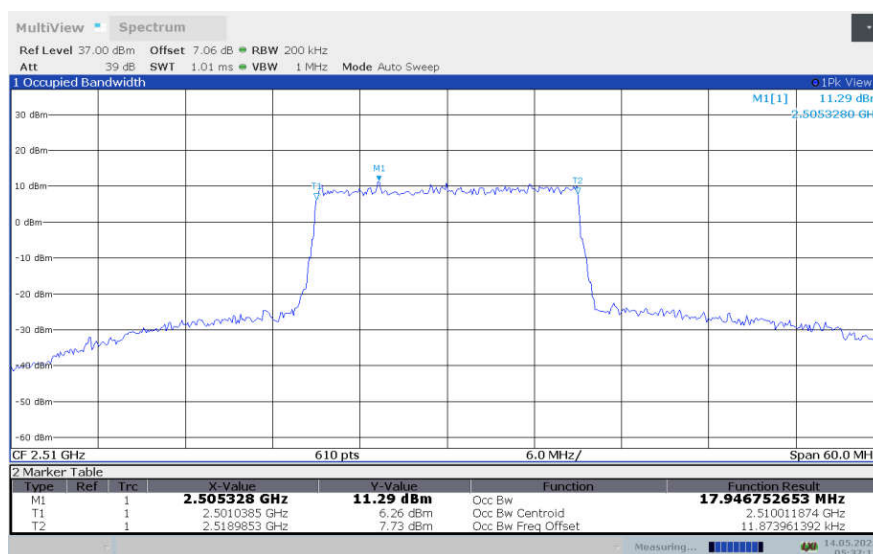
LTE band 7 , 20MHz Bandwidth,LOW,QPSK (99% BW)



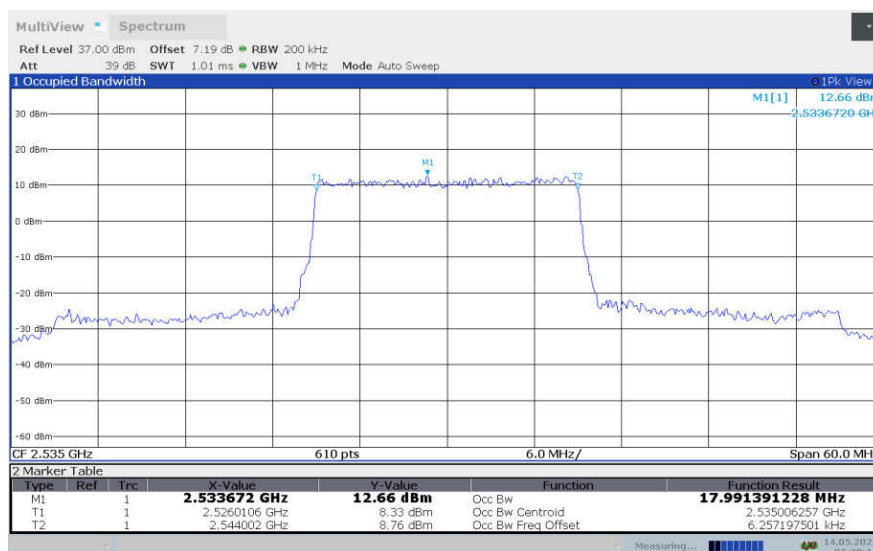
LTE band 7 , 20MHz Bandwidth,LOW,16QAM (99% BW)



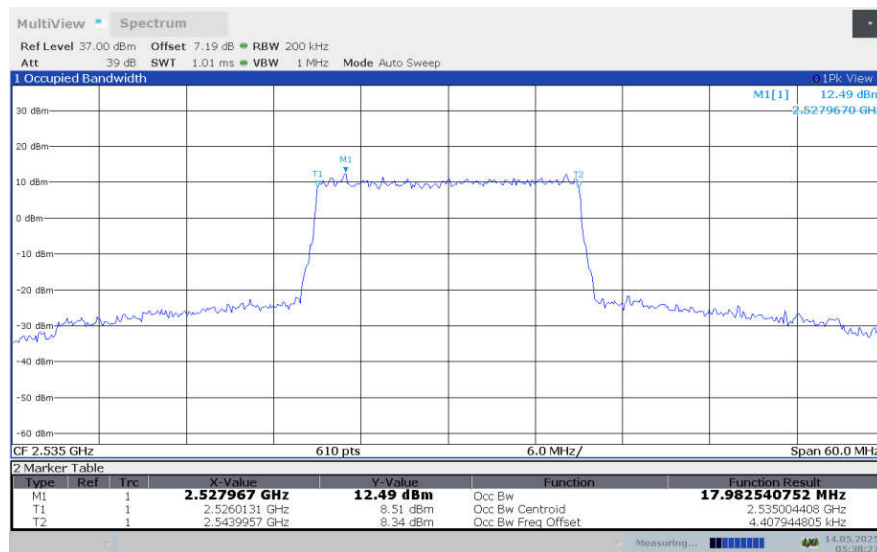
LTE band 7 , 20MHz Bandwidth,LOW,64QAM (99% BW)



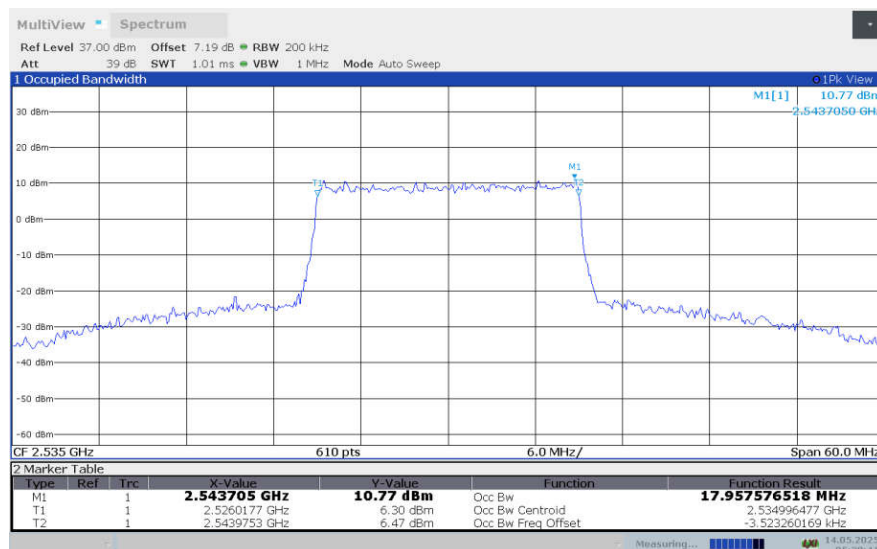
LTE band 7 , 20MHz Bandwidth,MID,QPSK (99% BW)



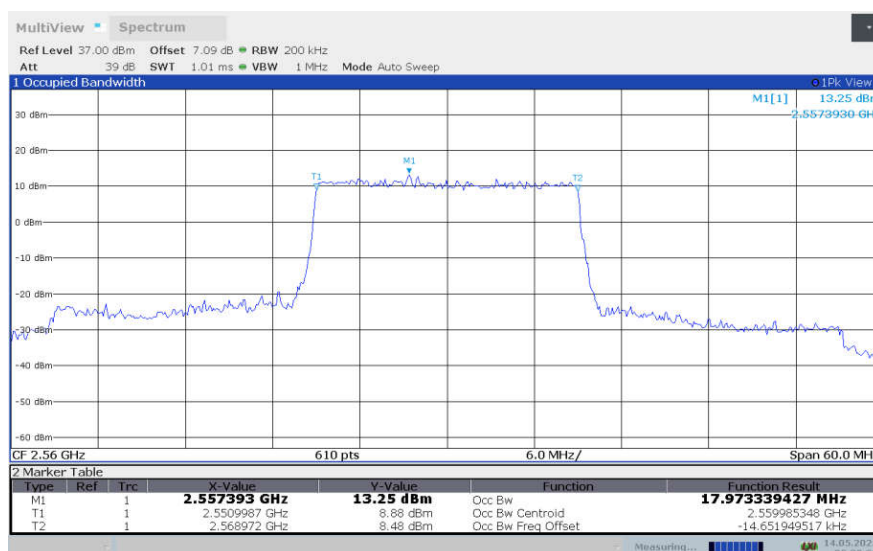
LTE band 7 , 20MHz Bandwidth,MID,16QAM (99% BW)



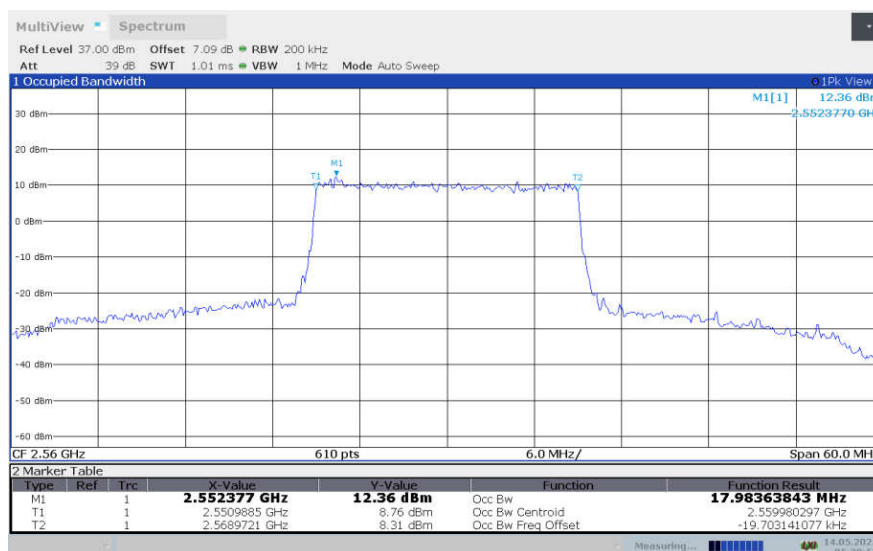
LTE band 7 , 20MHz Bandwidth,MID,64QAM (99% BW)



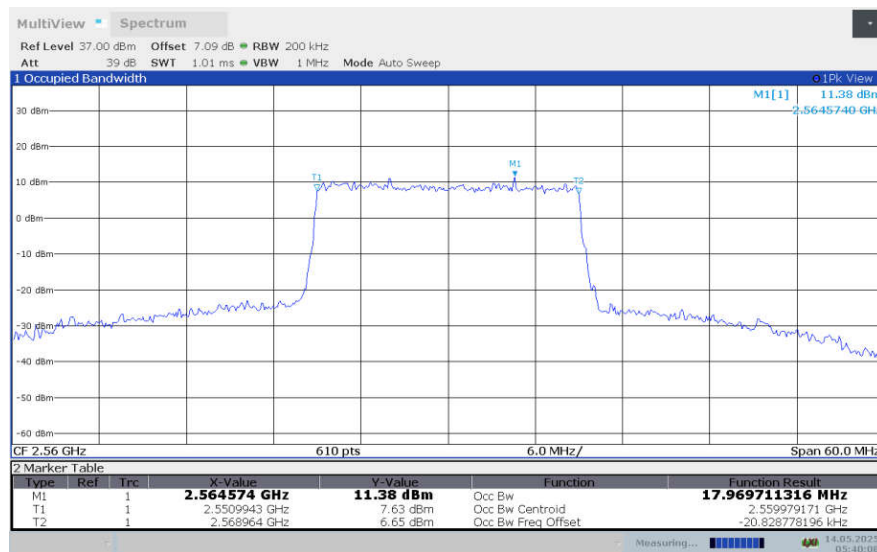
LTE band 7 , 20MHz Bandwidth,HIGH,QPSK (99% BW)



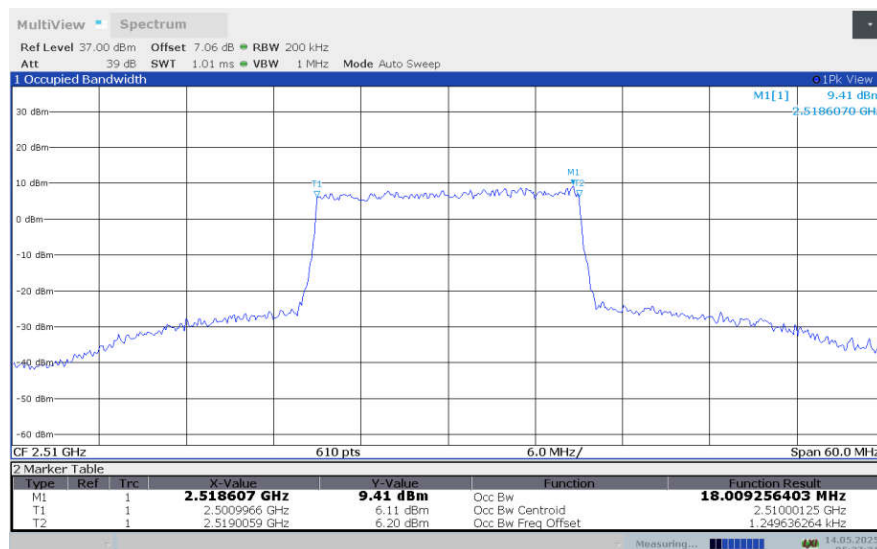
LTE band 7 , 20MHz Bandwidth,HIGH,16QAM (99% BW)



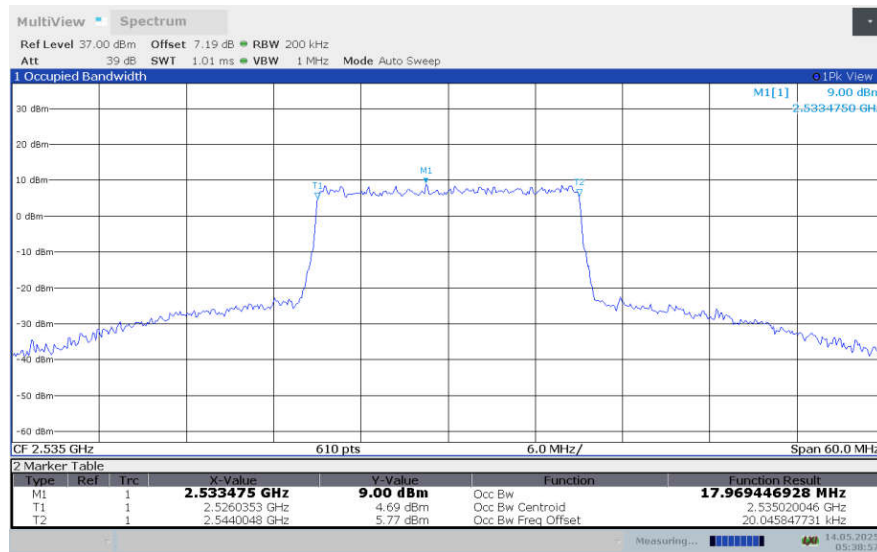
LTE band 7 , 20MHz Bandwidth,HIGH,64QAM (99% BW)



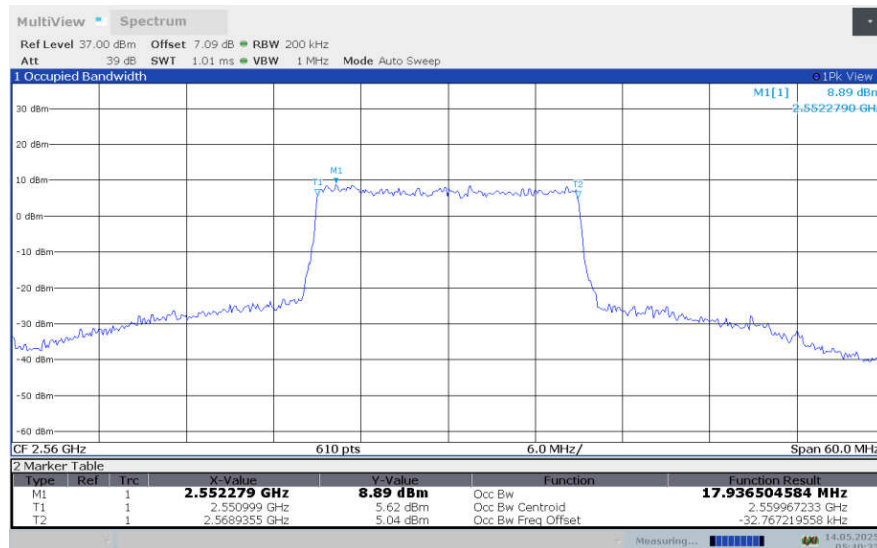
LTE band 7 , 20MHz Bandwidth,LOW,256QAM (99% BW)



LTE band 7 , 20MHz Bandwidth,MID,256QAM (99% BW)



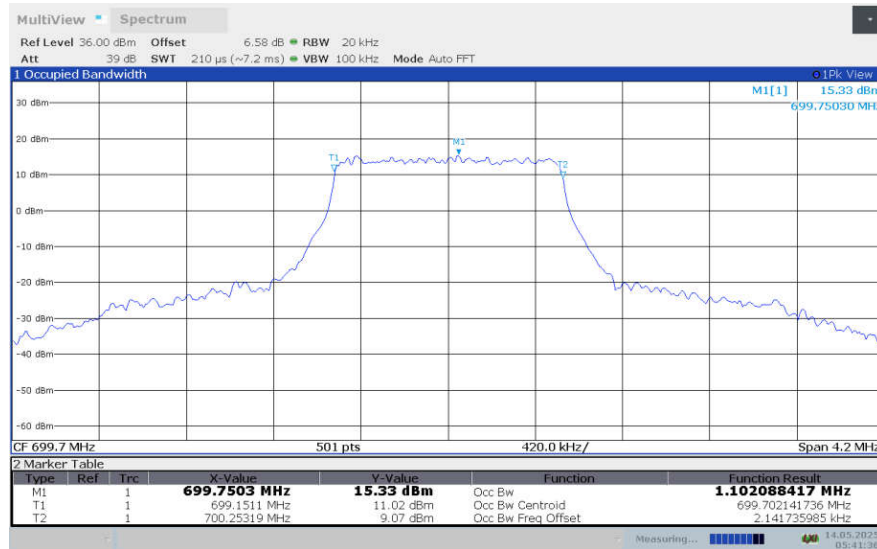
LTE band 7 , 20MHz Bandwidth,HIGH,256QAM (99% BW)



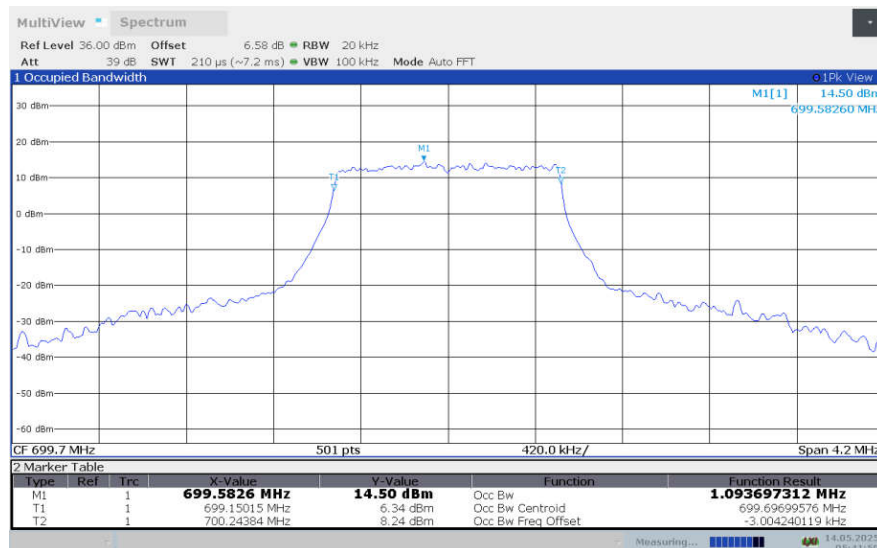
LTE band 12,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
699.7	1.102	1.094	1.094	1.096
707.5	1.090	1.097	1.096	1.087
715.3	1.098	1.096	1.100	1.088

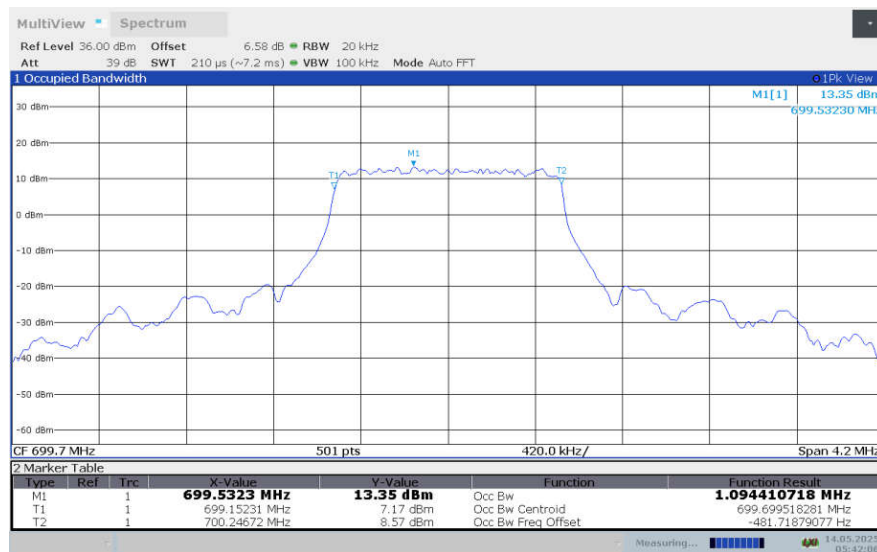
LTE band 12 , 1.4MHz Bandwidth,LOW,QPSK (99% BW)



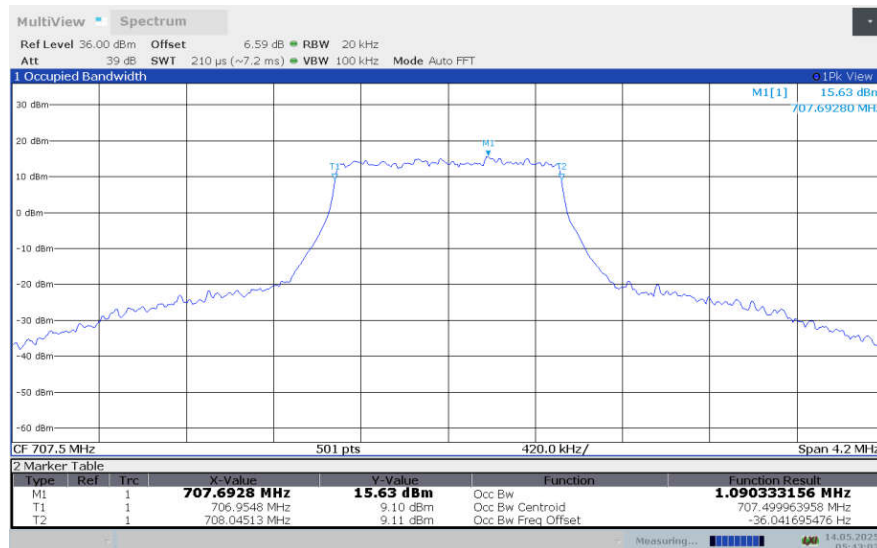
LTE band 12 , 1.4MHz Bandwidth,LOW,16QAM (99% BW)



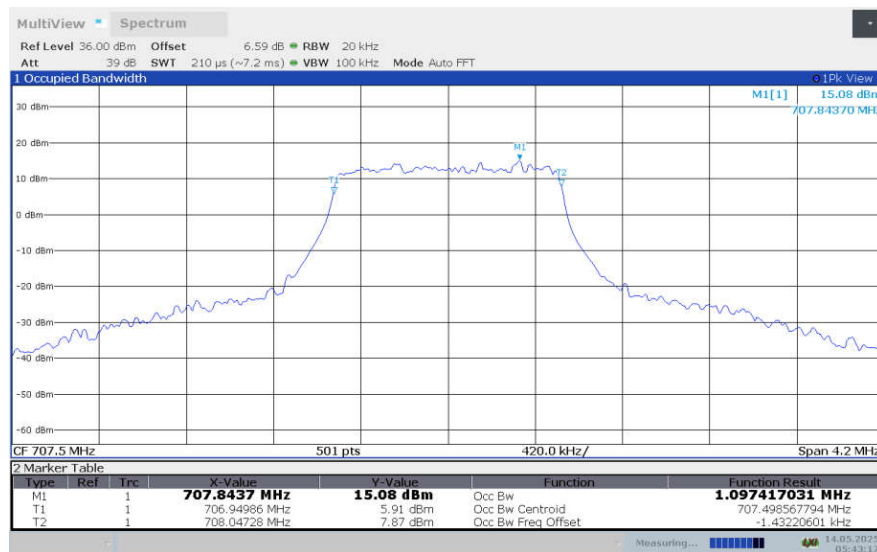
LTE band 12 , 1.4MHz Bandwidth,LOW,64QAM (99% BW)



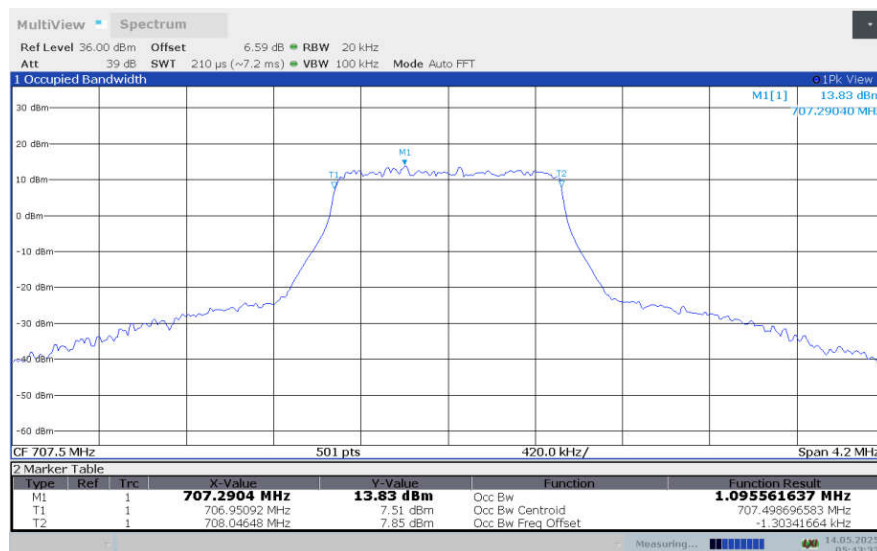
LTE band 12 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



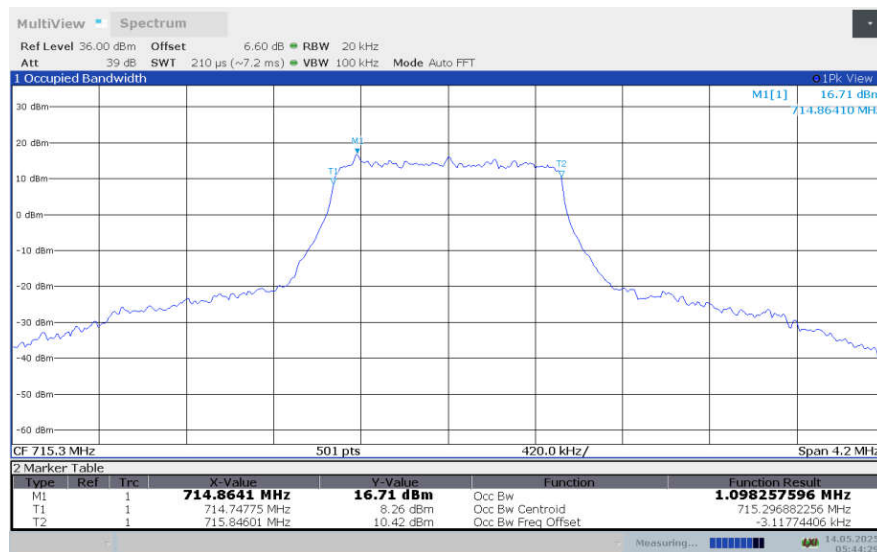
LTE band 12 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



LTE band 12 , 1.4MHz Bandwidth,MID,64QAM (99% BW)



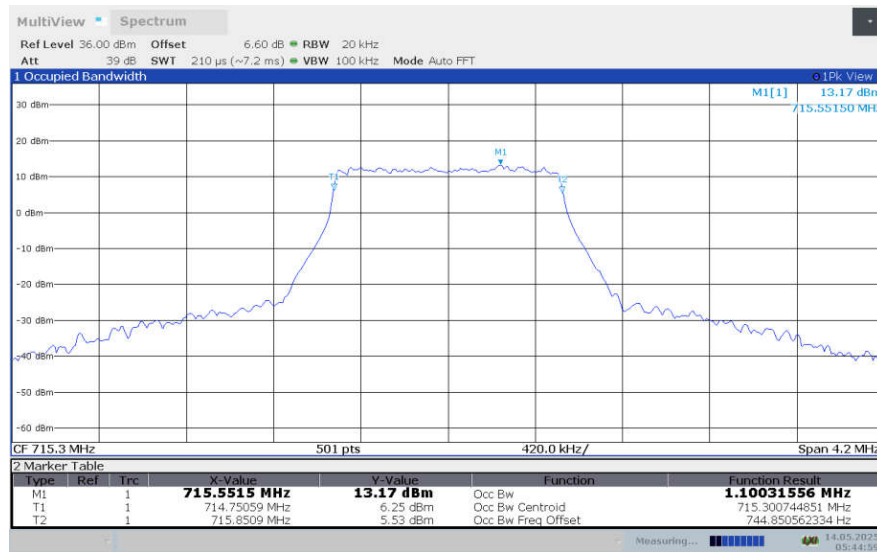
LTE band 12 , 1.4MHz Bandwidth,HIGH,QPSK (99% BW)



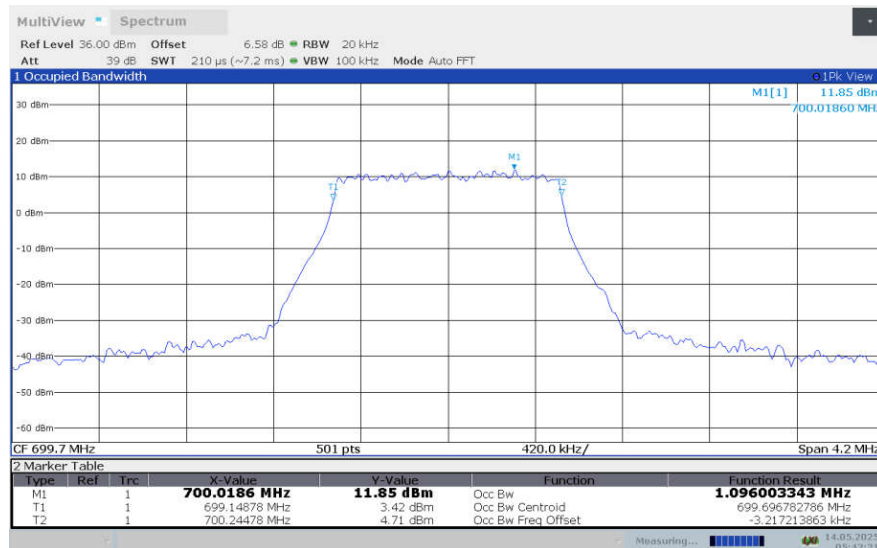
LTE band 12 , 1.4MHz Bandwidth,HIGH,16QAM (99% BW)



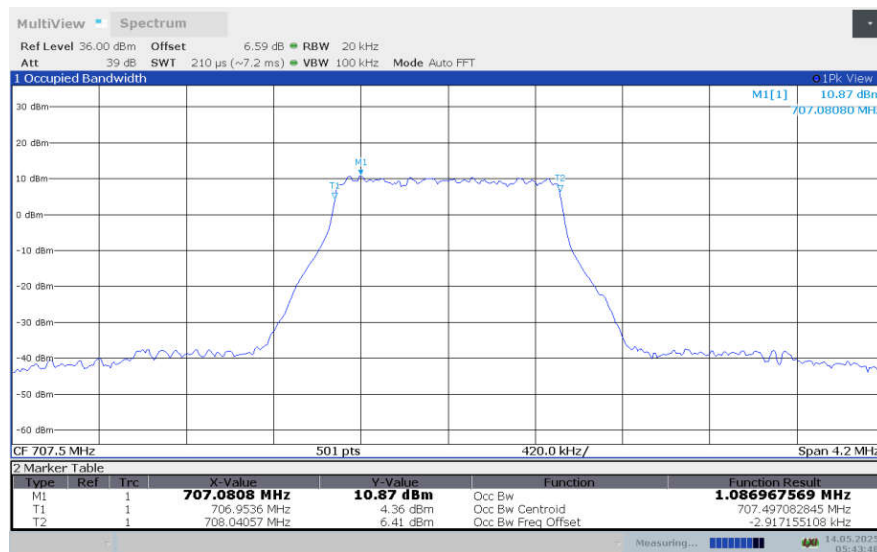
LTE band 12 , 1.4MHz Bandwidth,HIGH,64QAM (99% BW)



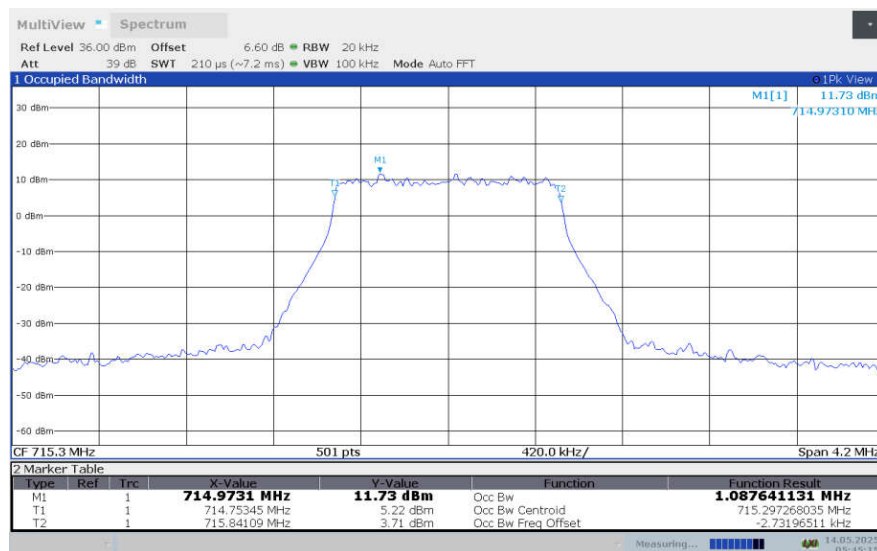
LTE band 12 , 1.4MHz Bandwidth,LOW,256QAM (99% BW)



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



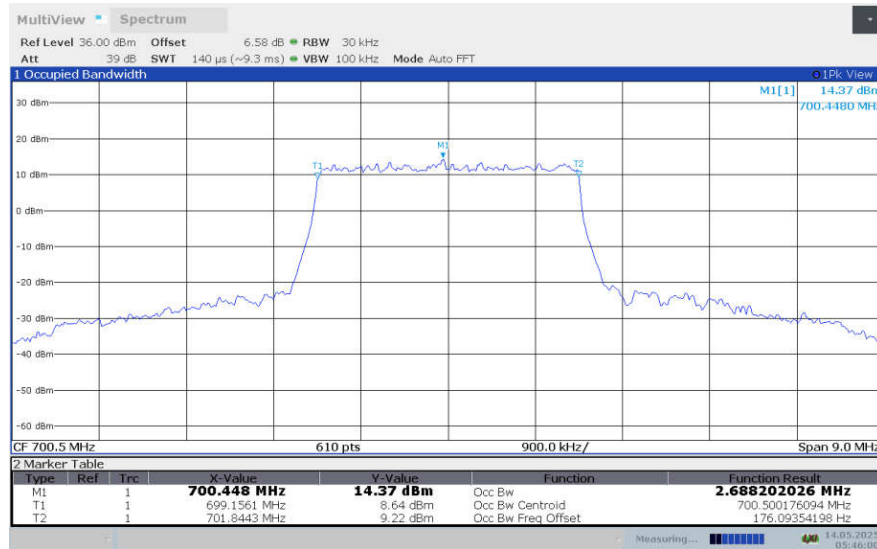
LTE band 12 , 1.4MHz Bandwidth,HIGH,256QAM (99% BW)



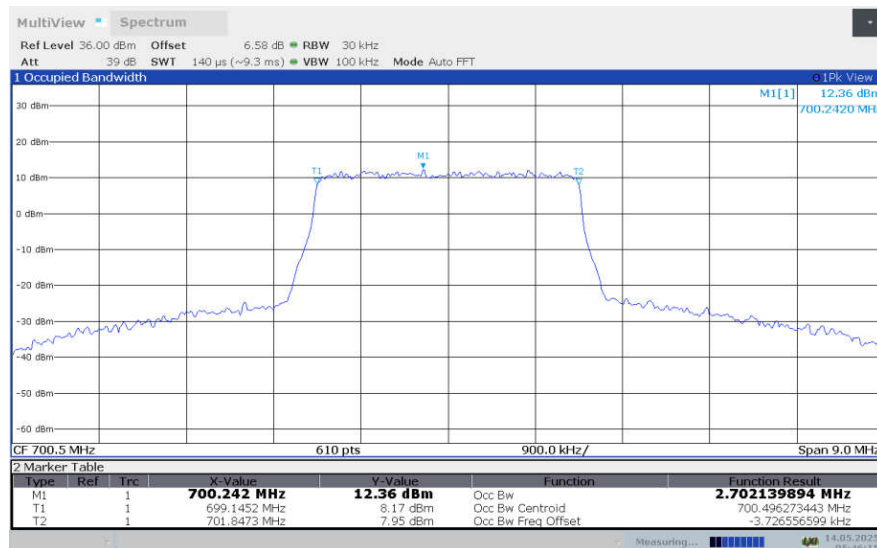
LTE band 12,3MHz(99%)

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

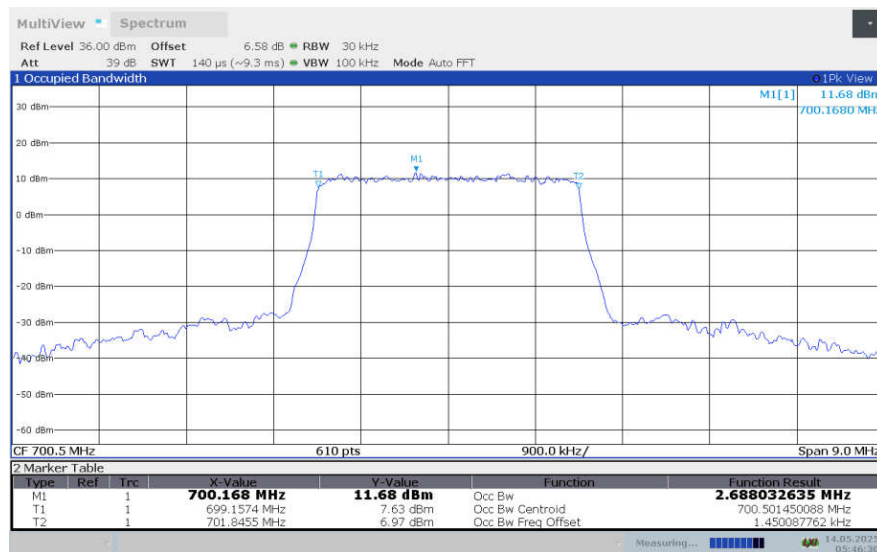
LTE band 12 , 3MHz Bandwidth,LOW,QPSK (99% BW)



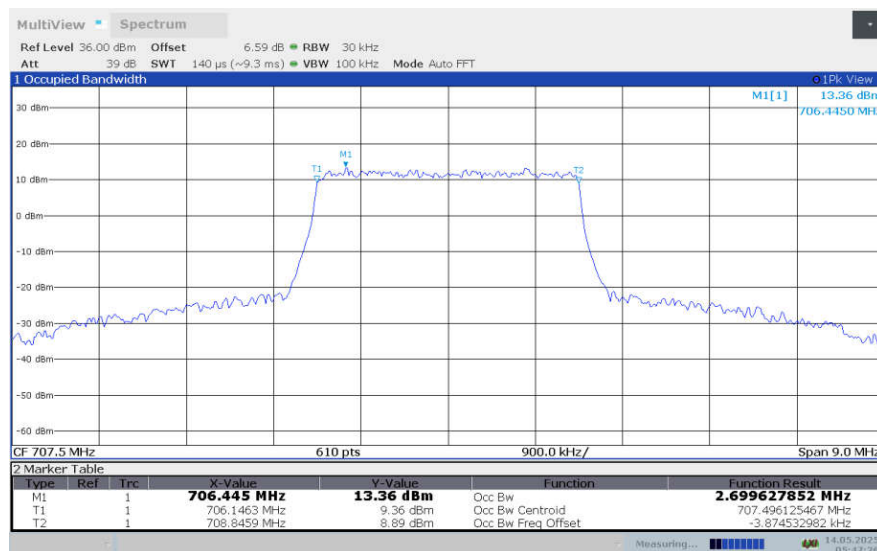
LTE band 12 , 3MHz Bandwidth,LOW,16QAM (99% BW)



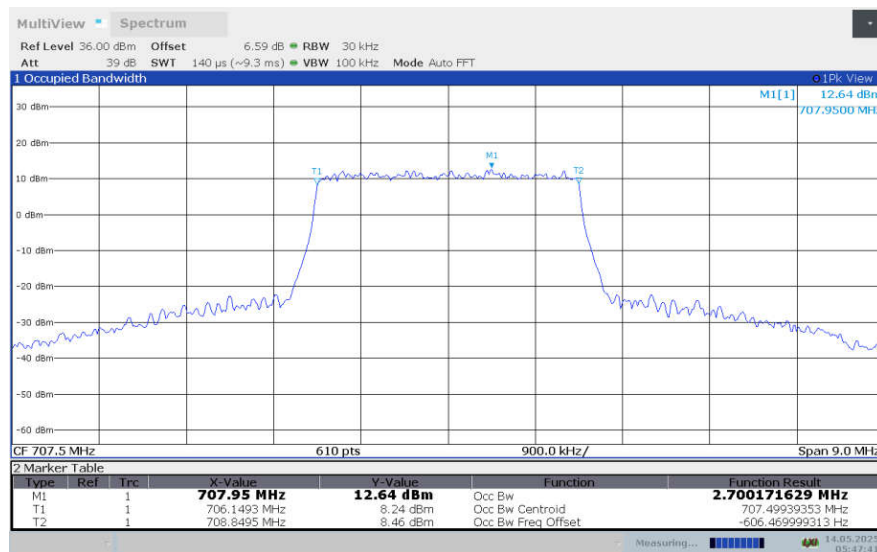
LTE band 12 , 3MHz Bandwidth,LOW,64QAM (99% BW)



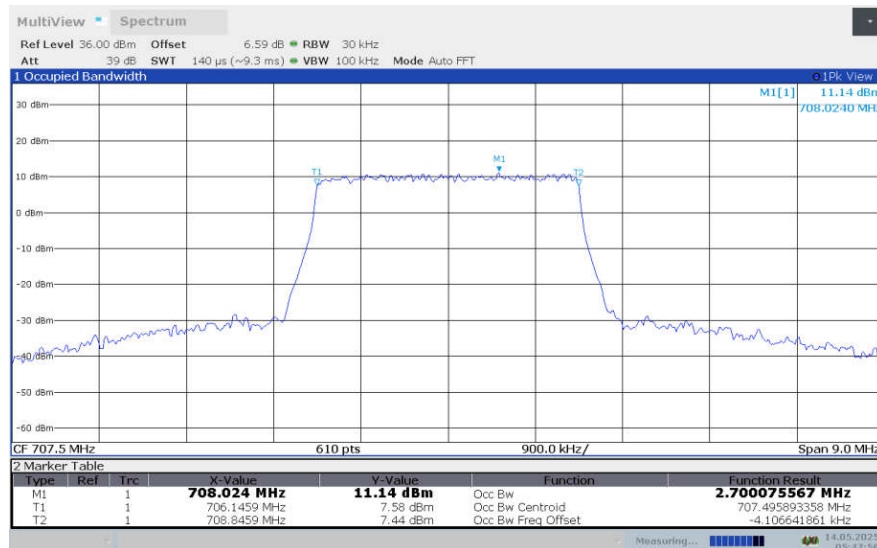
LTE band 12 , 3MHz Bandwidth,MID,QPSK (99% BW)



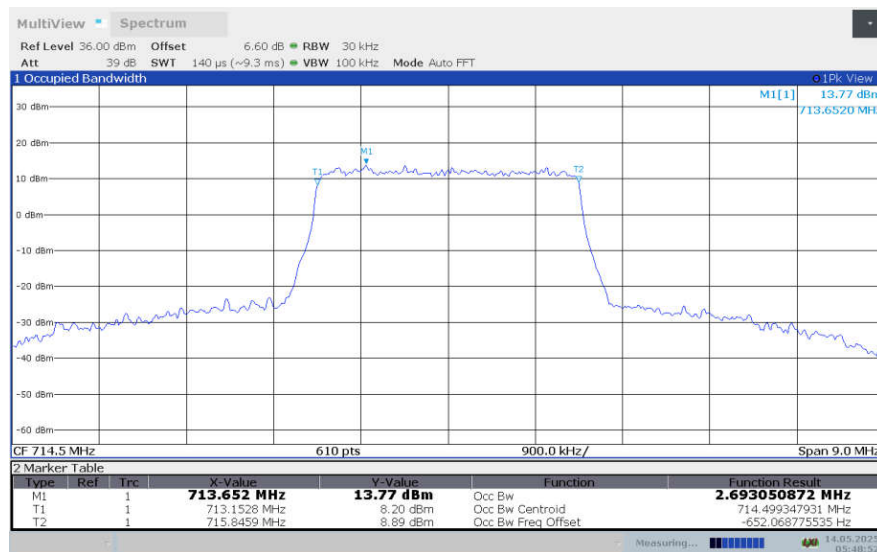
LTE band 12 , 3MHz Bandwidth,MID,16QAM (99% BW)



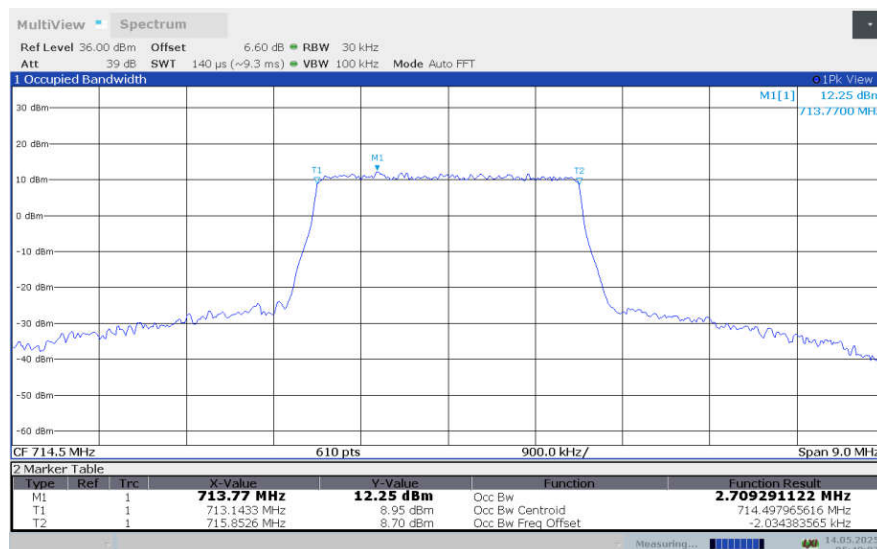
LTE band 12 , 3MHz Bandwidth,MID,64QAM (99% BW)



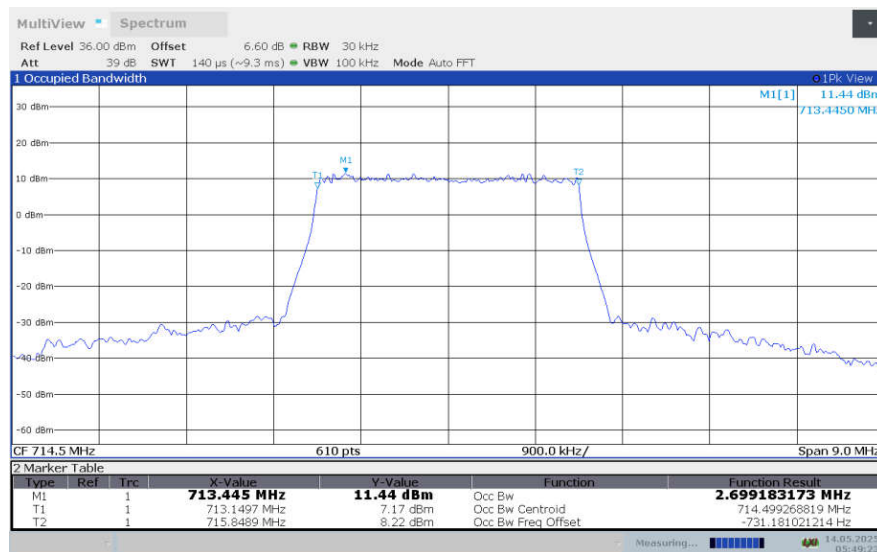
LTE band 12 , 3MHz Bandwidth,HIGH,QPSK (99% BW)



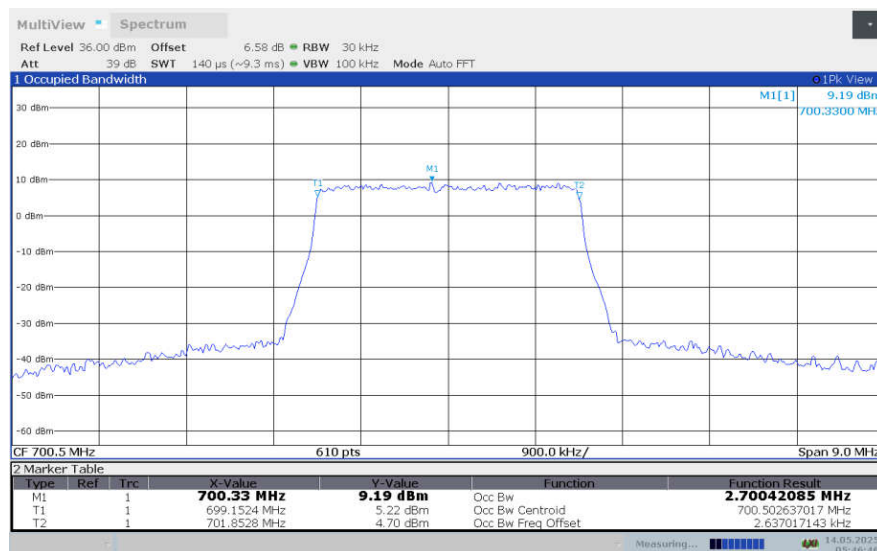
LTE band 12 , 3MHz Bandwidth,HIGH,16QAM (99% BW)



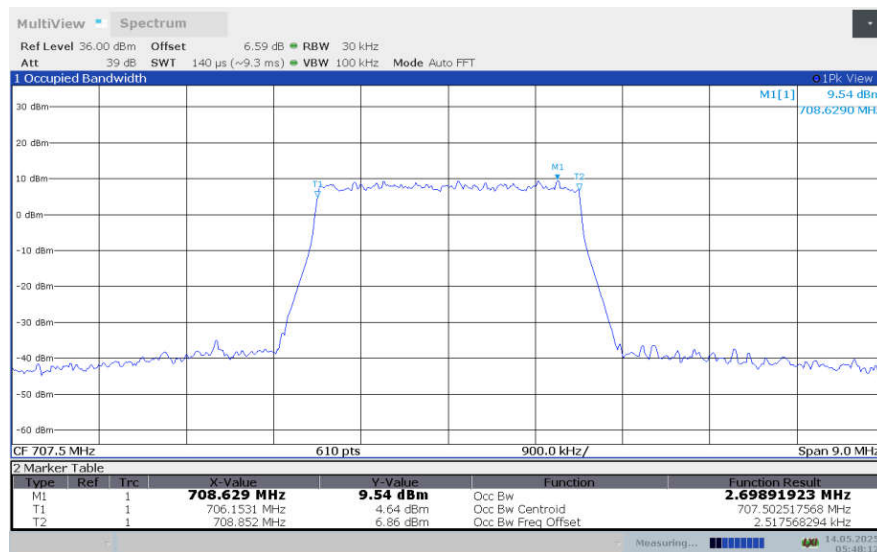
LTE band 12 , 3MHz Bandwidth,HIGH,64QAM (99% BW)



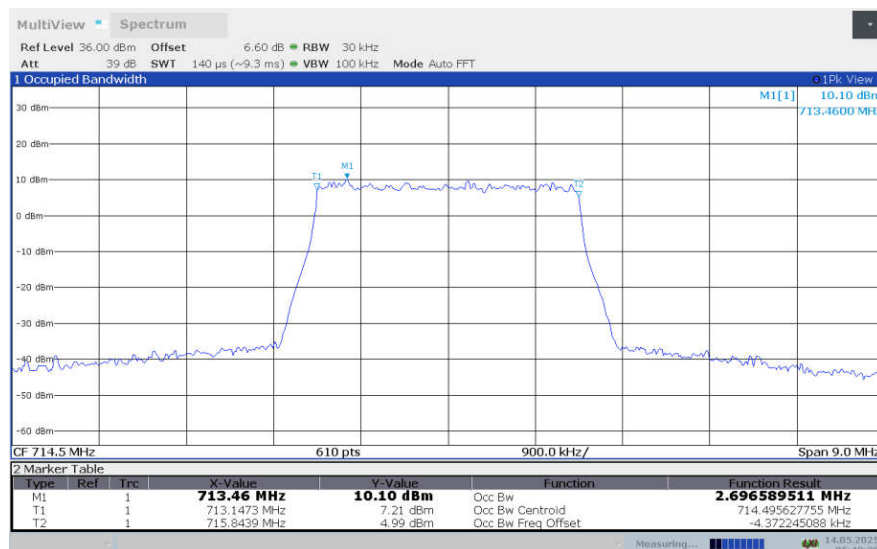
LTE band 12 , 3MHz Bandwidth,LOW,256QAM (99% BW)



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



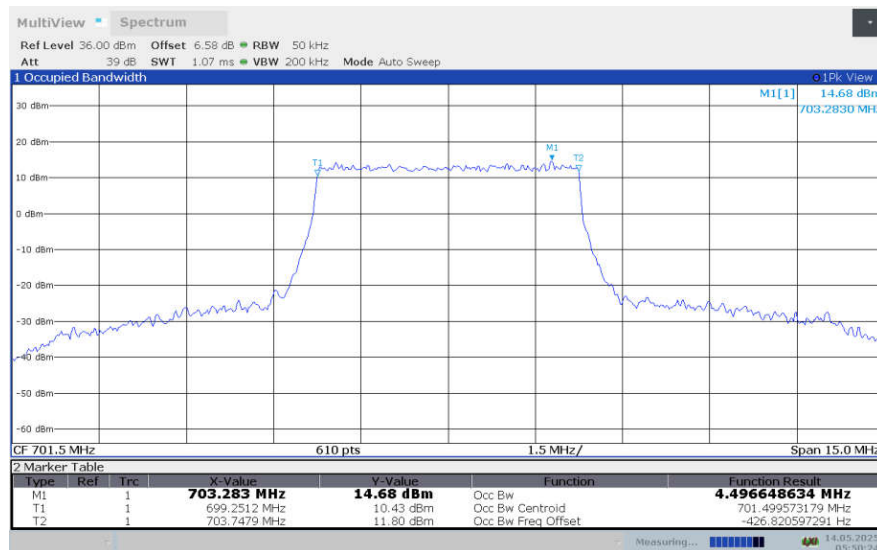
LTE band 12 , 3MHz Bandwidth,HIGH,256QAM (99% BW)



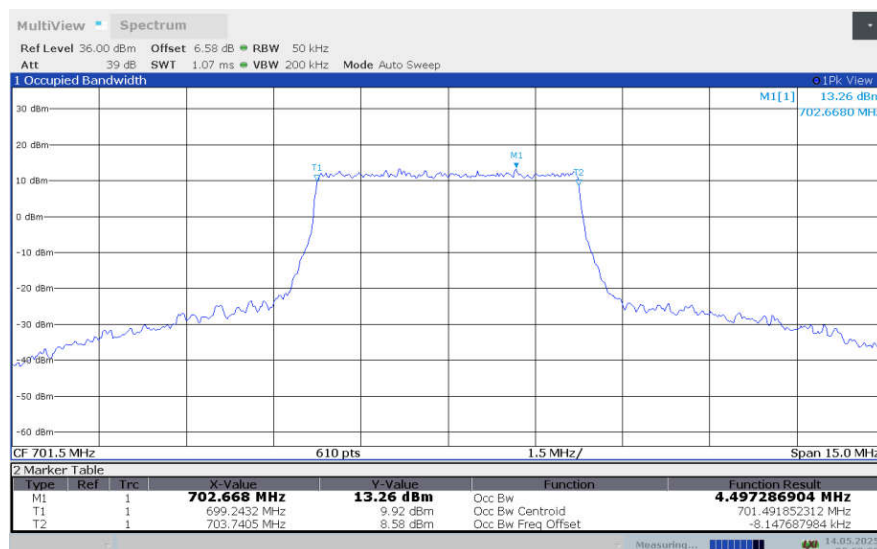
LTE band 12,5MHz(99%)

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

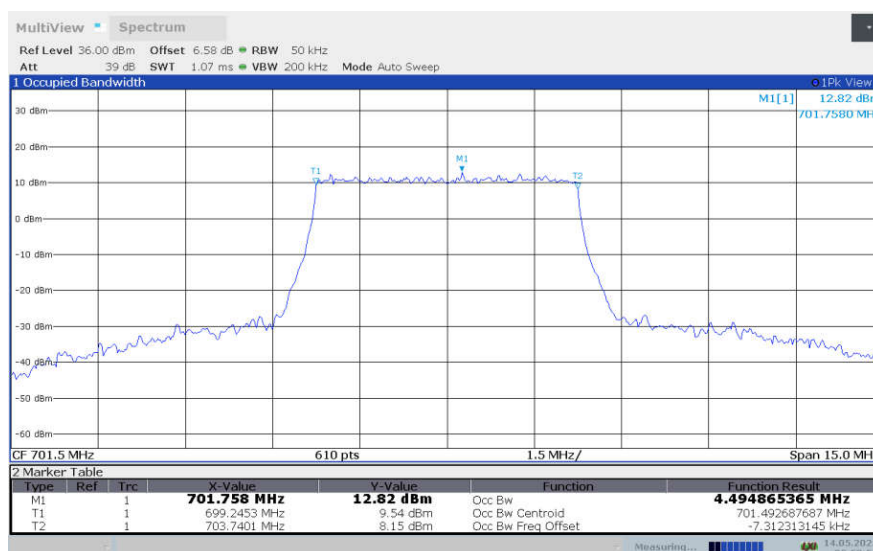
LTE band 12 , 5MHz Bandwidth,LOW,QPSK (99% BW)



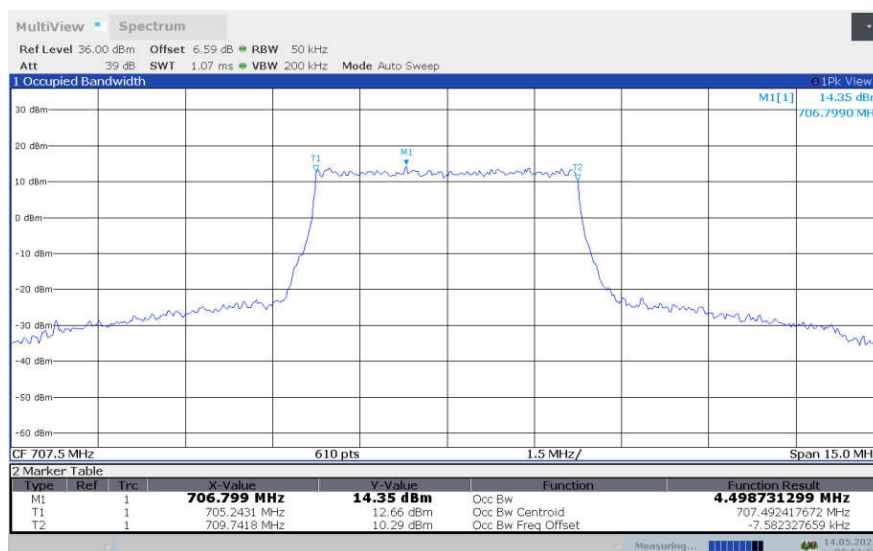
LTE band 12 , 5MHz Bandwidth,LOW,16QAM (99% BW)



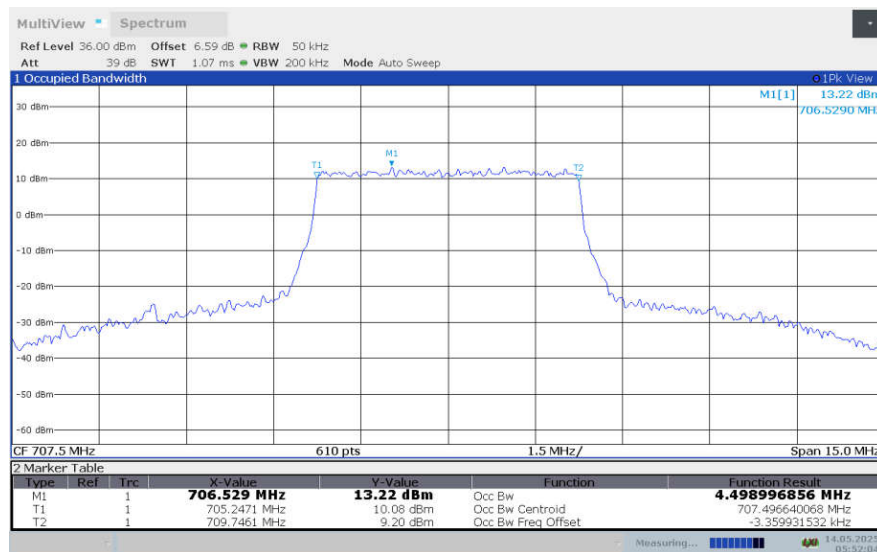
LTE band 12 , 5MHz Bandwidth,LOW,64QAM (99% BW)



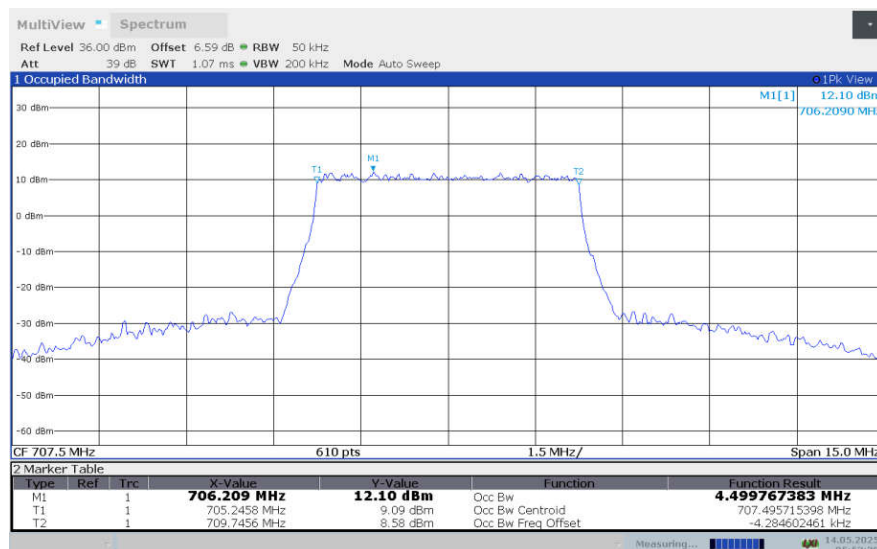
LTE band 12 , 5MHz Bandwidth,MID,QPSK (99% BW)



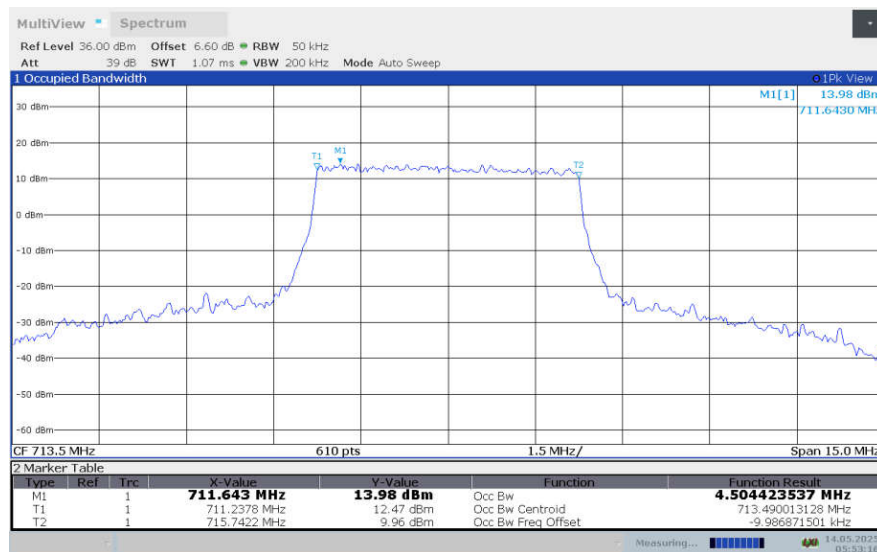
LTE band 12 , 5MHz Bandwidth,MID,16QAM (99% BW)



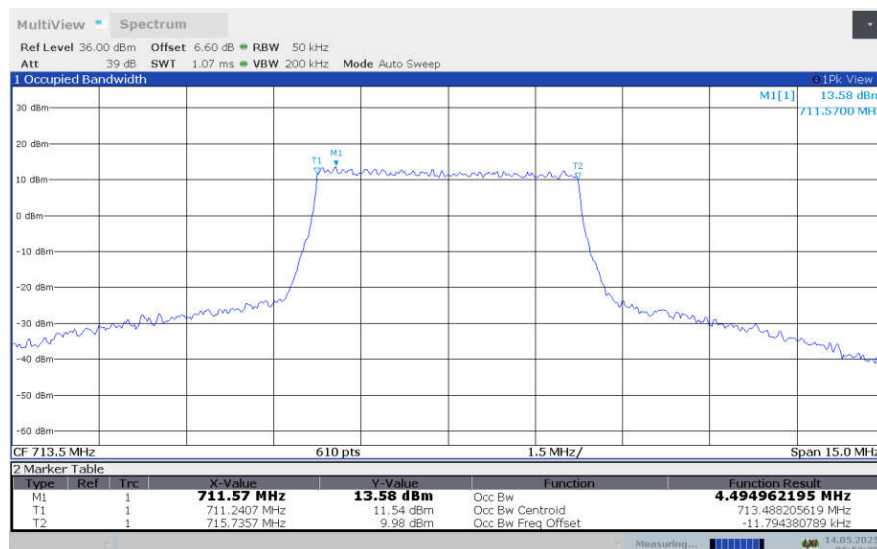
LTE band 12 , 5MHz Bandwidth,MID,64QAM (99% BW)



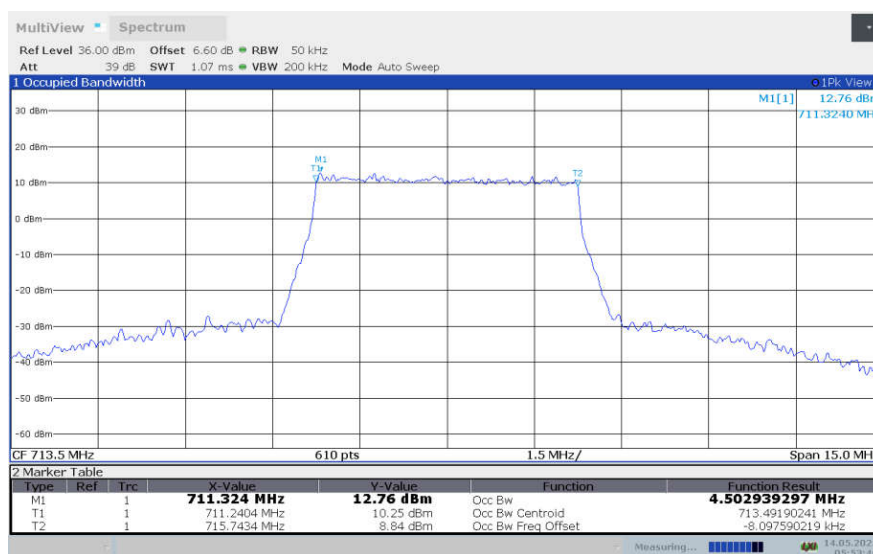
LTE band 12 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



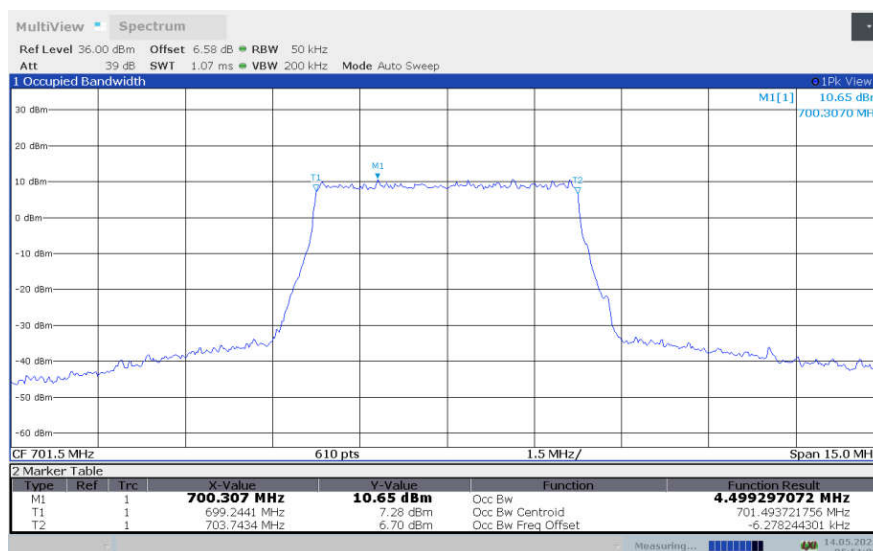
LTE band 12 , 5MHz Bandwidth,HIGH,16QAM (99% BW)



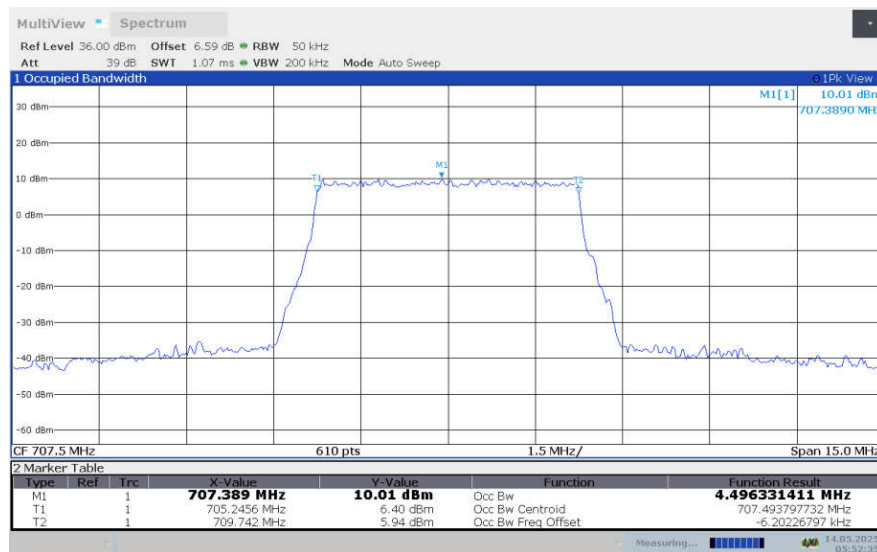
LTE band 12 , 5MHz Bandwidth,HIGH,64QAM (99% BW)



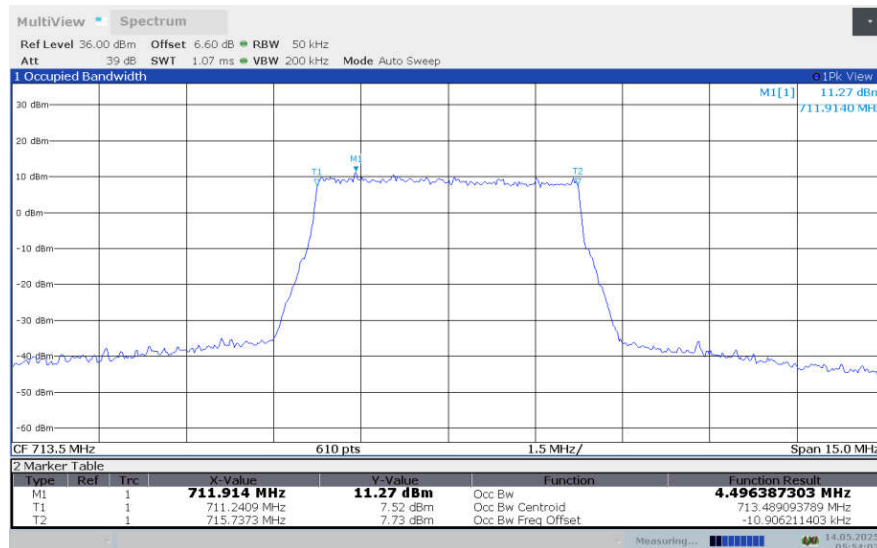
LTE band 12 , 5MHz Bandwidth,LOW,256QAM (99% BW)



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



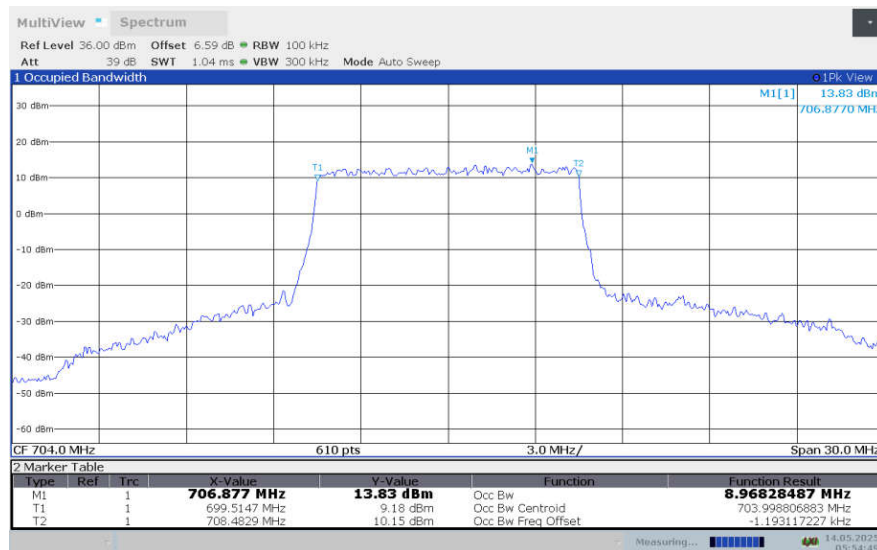
LTE band 12 , 5MHz Bandwidth,HIGH,256QAM (99% BW)



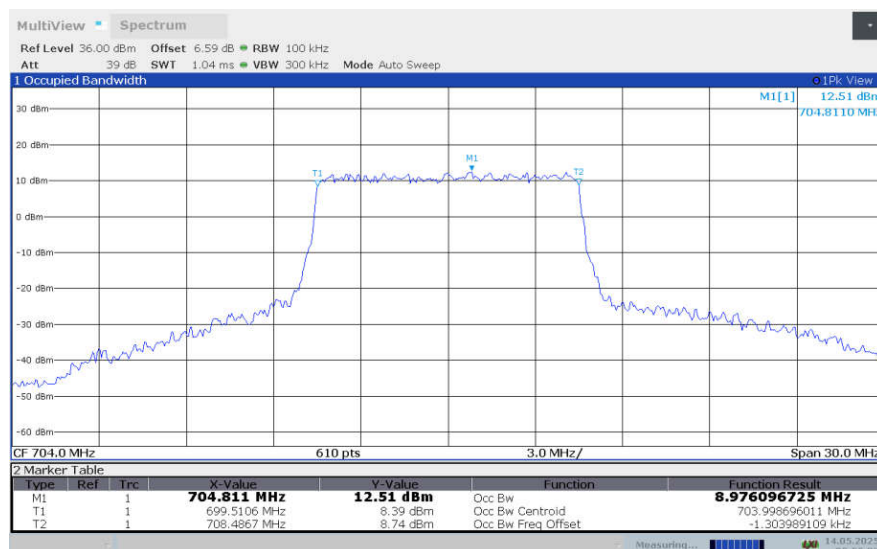
LTE band 12,10MHz(99%)

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

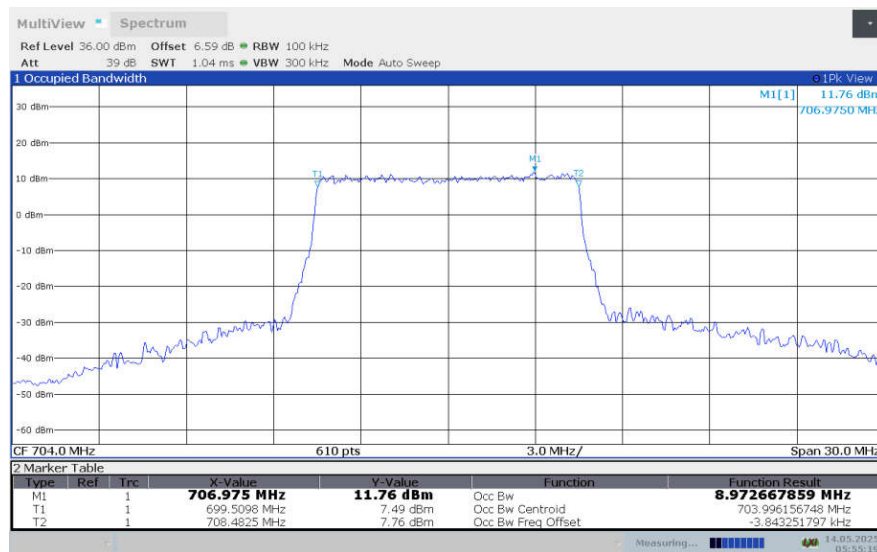
LTE band 12 , 10MHz Bandwidth,LOW,QPSK (99% BW)



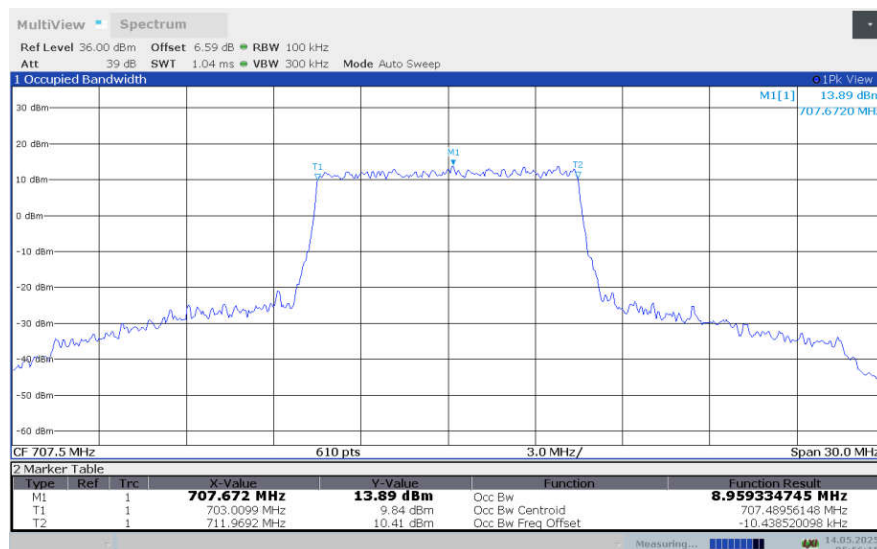
LTE band 12 , 10MHz Bandwidth,LOW,16QAM (99% BW)



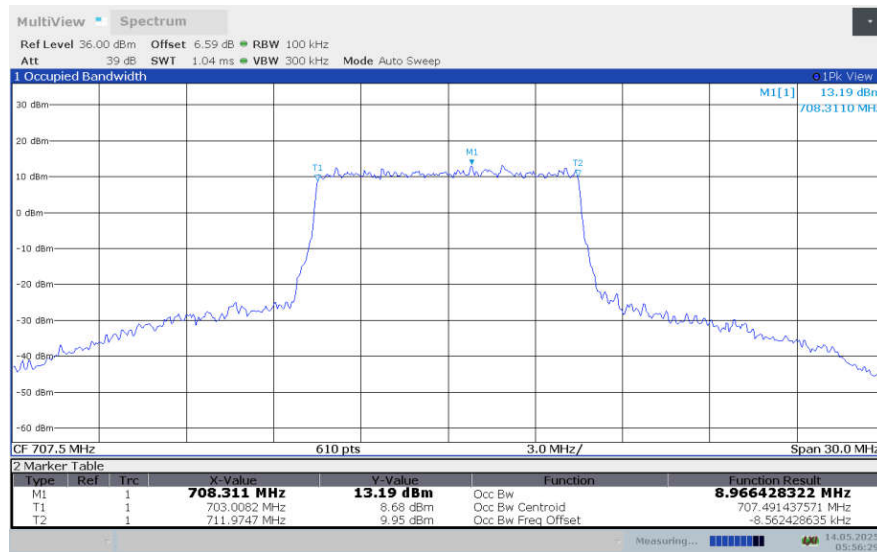
LTE band 12 , 10MHz Bandwidth,LOW,64QAM (99% BW)



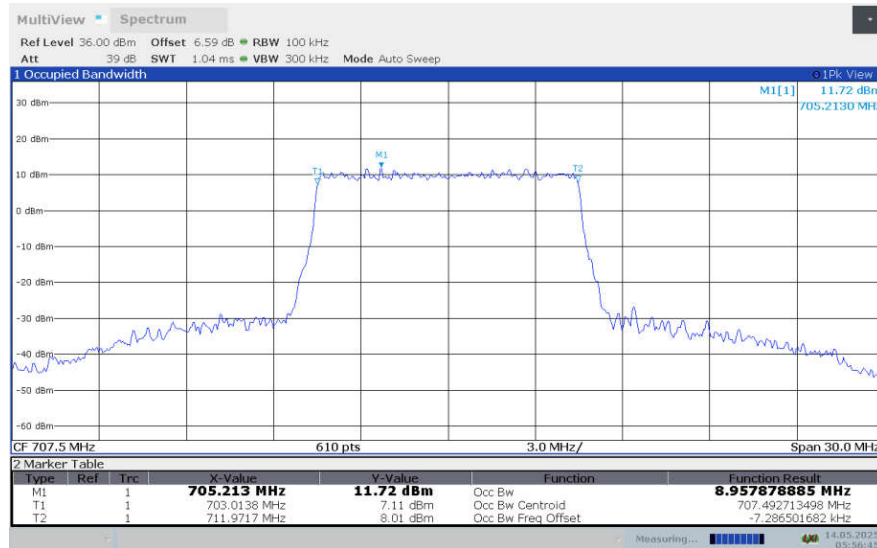
LTE band 12 , 10MHz Bandwidth,MID,QPSK (99% BW)



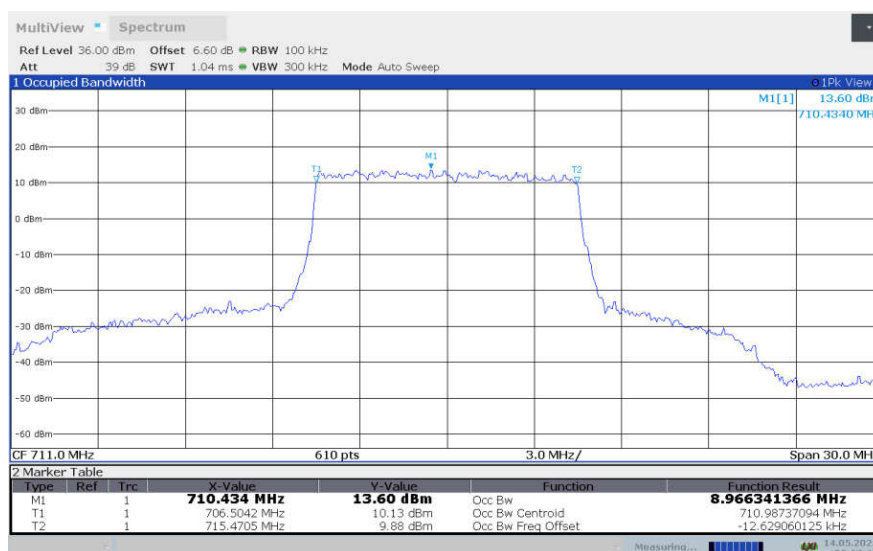
LTE band 12 , 10MHz Bandwidth,MID,16QAM (99% BW)



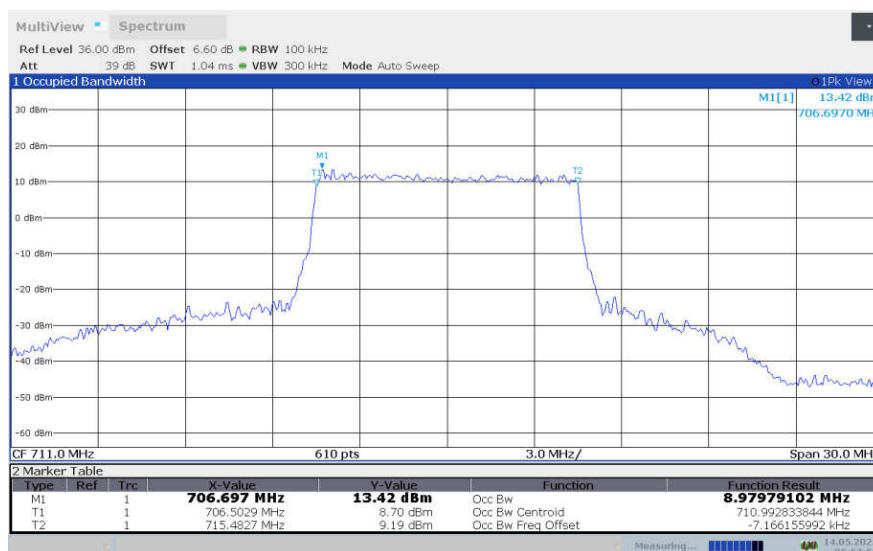
LTE band 12 , 10MHz Bandwidth,MID,64QAM (99% BW)



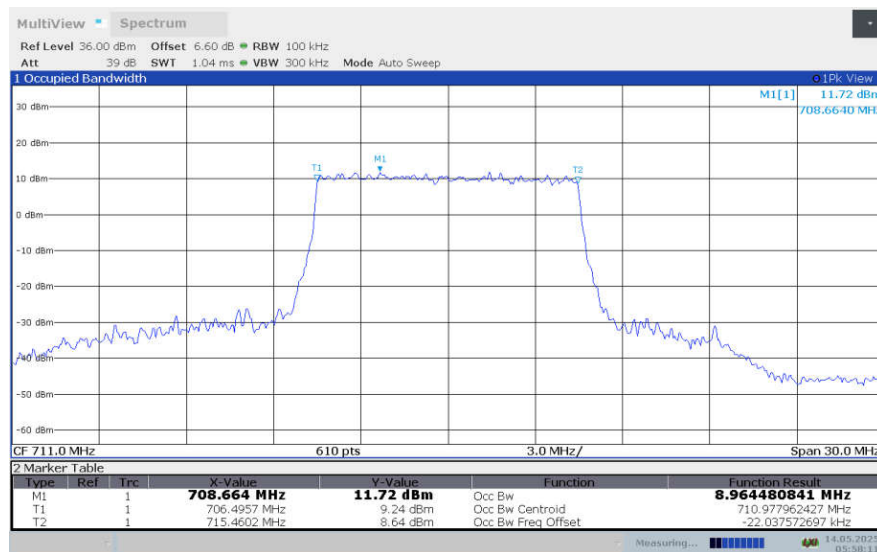
LTE band 12 , 10MHz Bandwidth,HIGH,QPSK (99% BW)



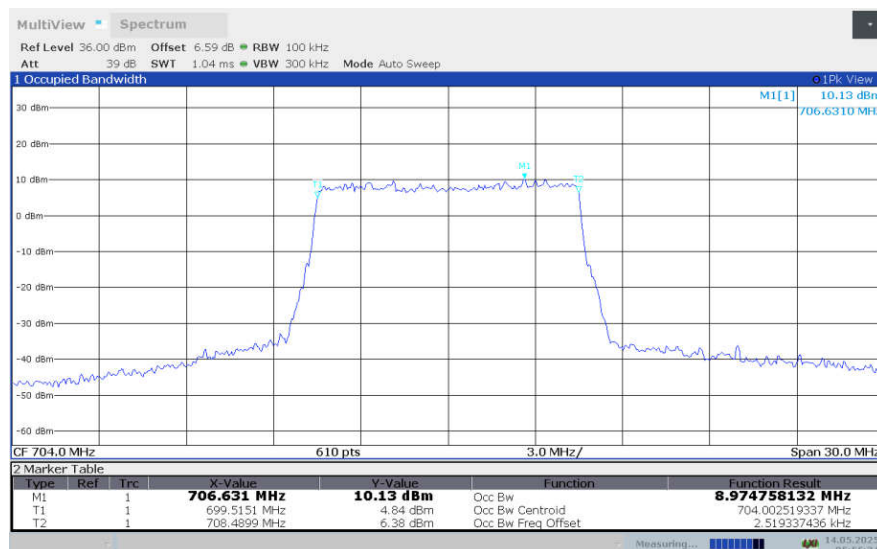
LTE band 12 , 10MHz Bandwidth,HIGH,16QAM (99% BW)



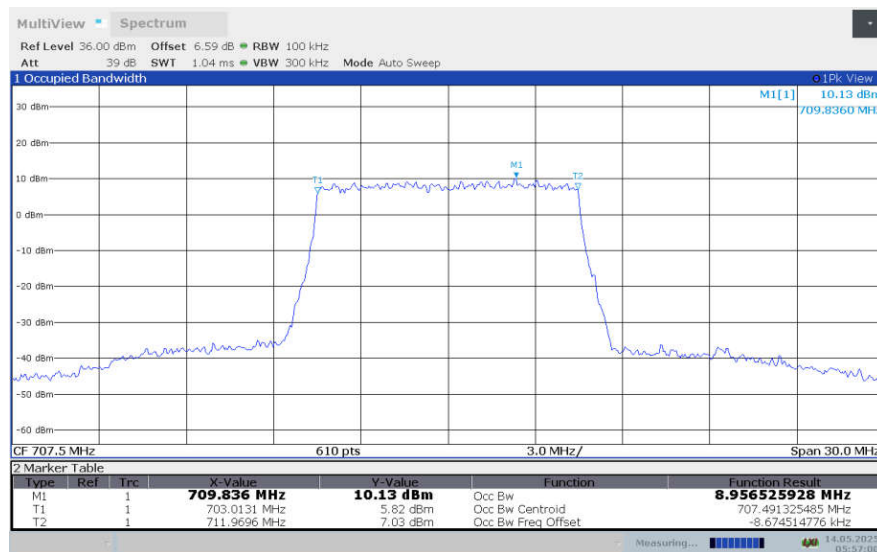
LTE band 12 , 10MHz Bandwidth,HIGH,64QAM (99% BW)



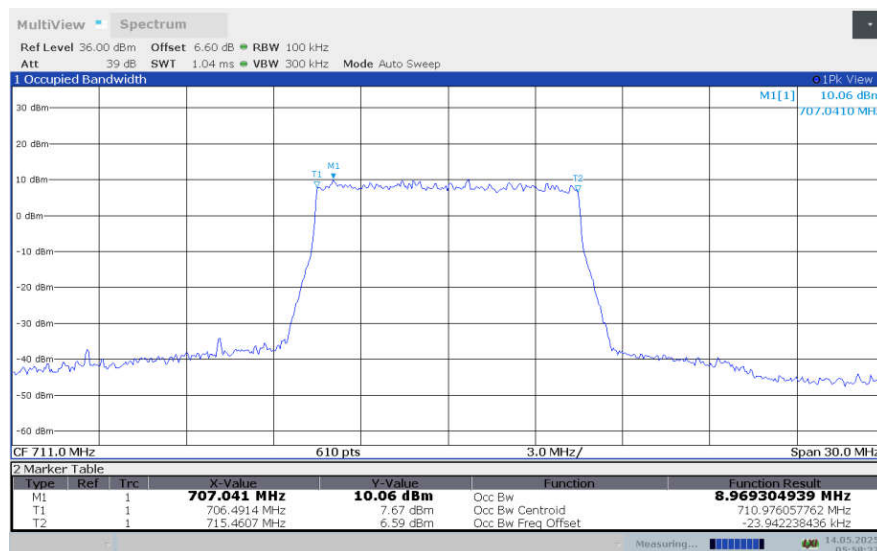
LTE band 12 , 10MHz Bandwidth,LOW,256QAM (99% BW)



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



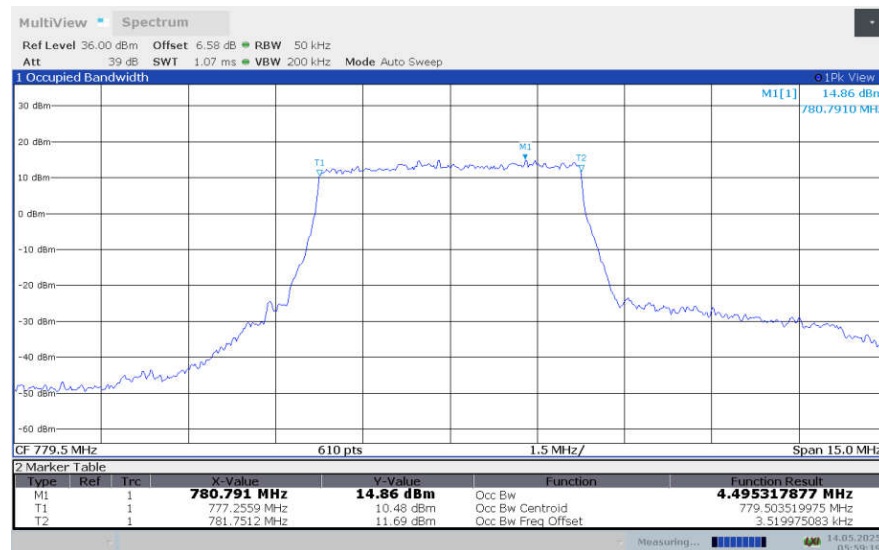
LTE band 12 , 10MHz Bandwidth,HIGH,256QAM (99% BW)



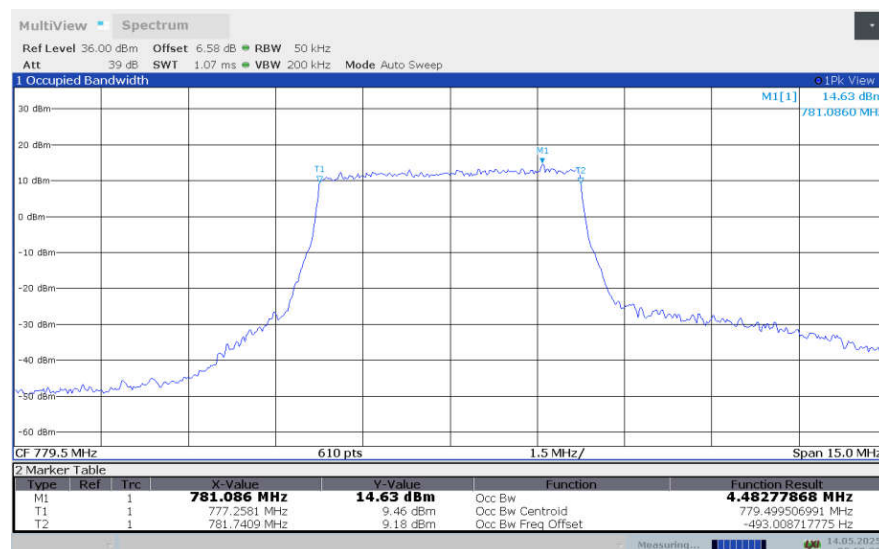
LTE band 13,5MHz(99%)

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

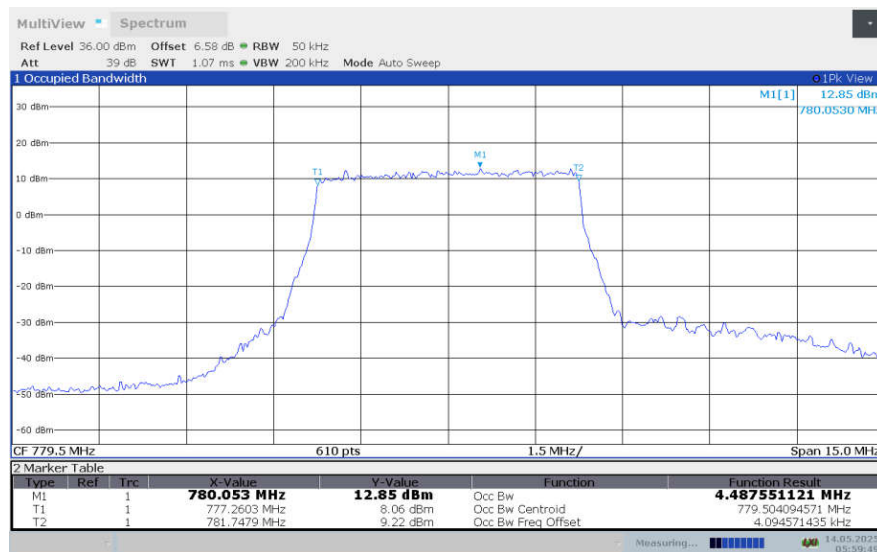
LTE band 13 , 5MHz Bandwidth,LOW,QPSK (99% BW)



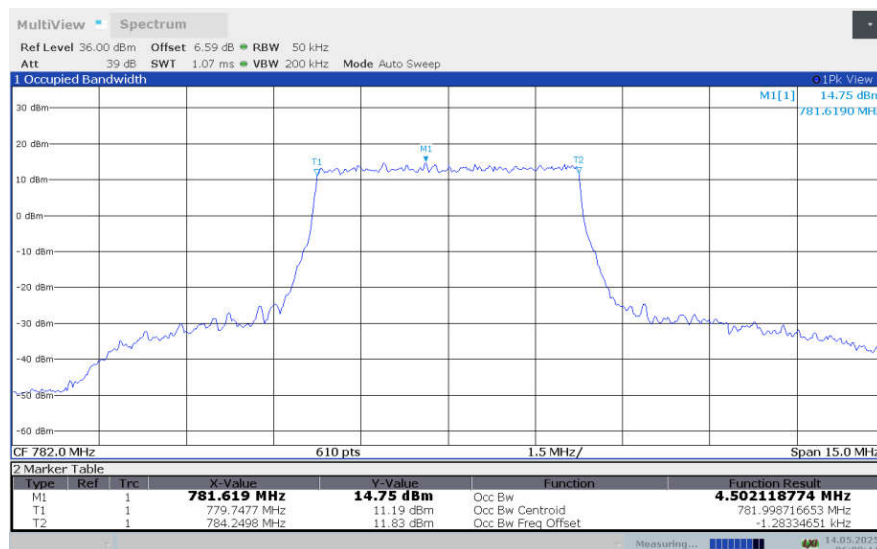
LTE band 13 , 5MHz Bandwidth,LOW,16QAM (99% BW)



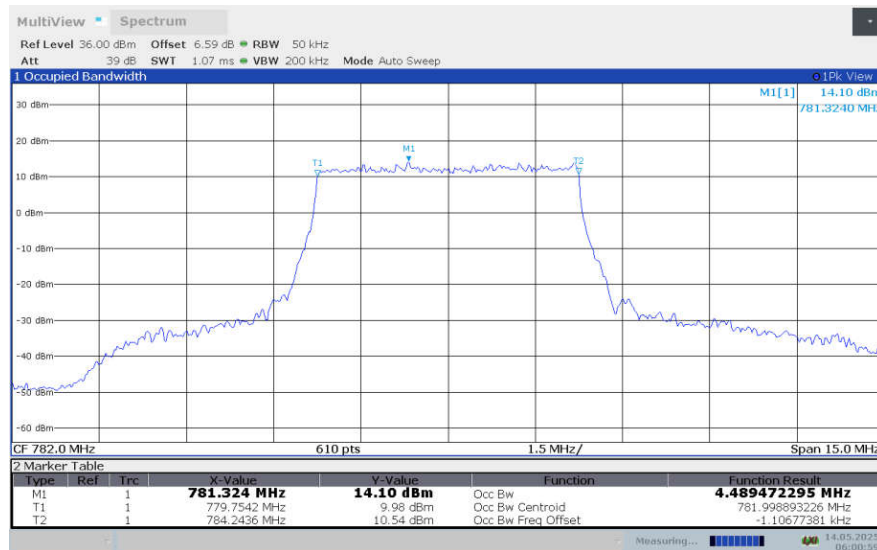
LTE band 13 , 5MHz Bandwidth,LOW,64QAM (99% BW)



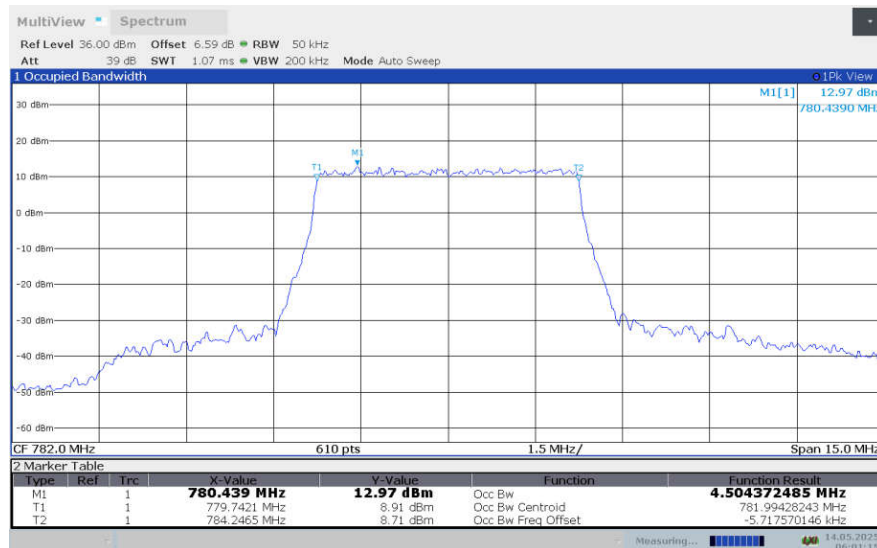
LTE band 13 , 5MHz Bandwidth,MID,QPSK (99% BW)



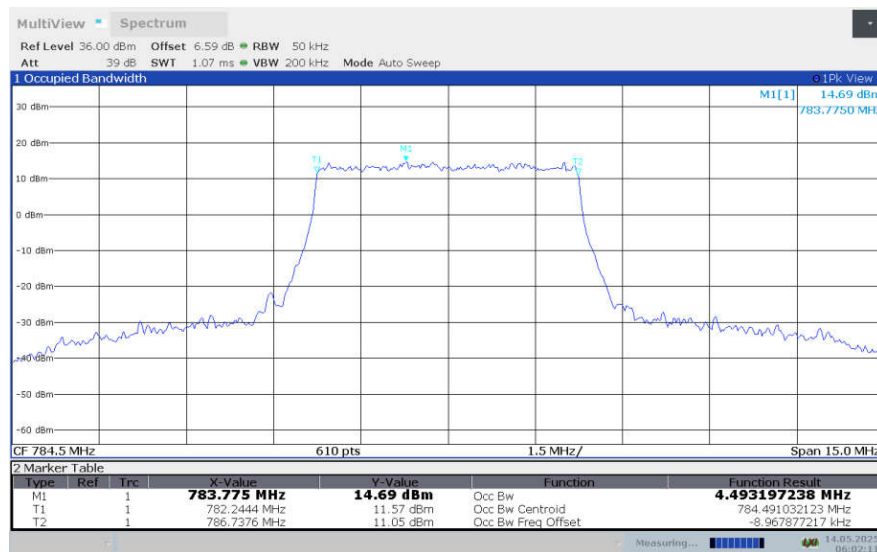
LTE band 13 , 5MHz Bandwidth,MID,16QAM (99% BW)



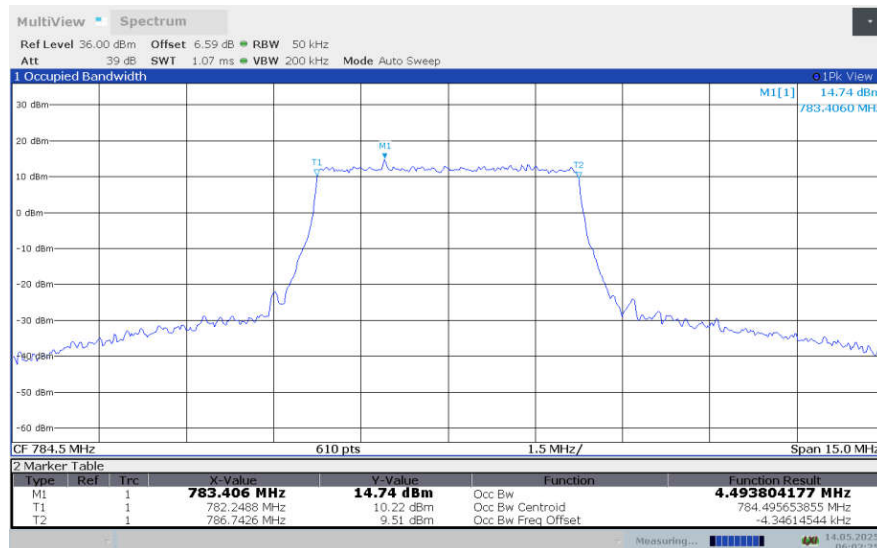
LTE band 13 , 5MHz Bandwidth,MID,64QAM (99% BW)



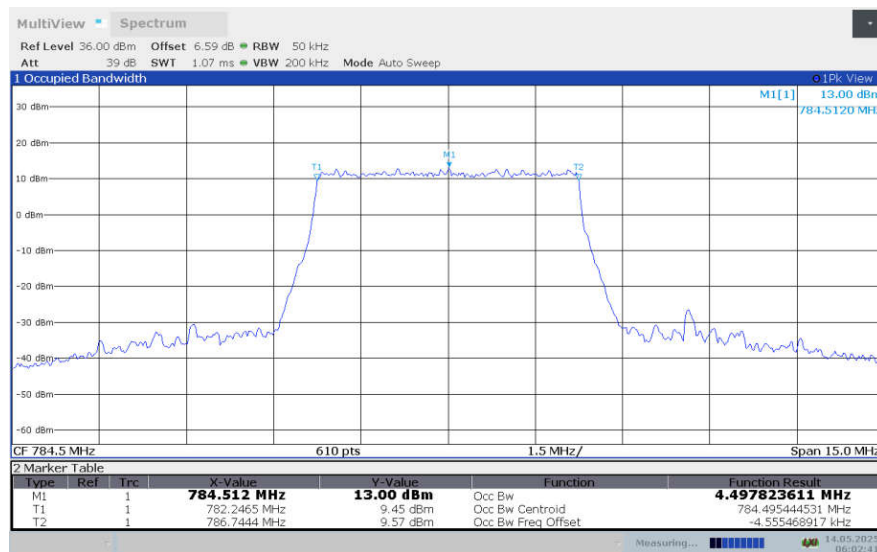
LTE band 13 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



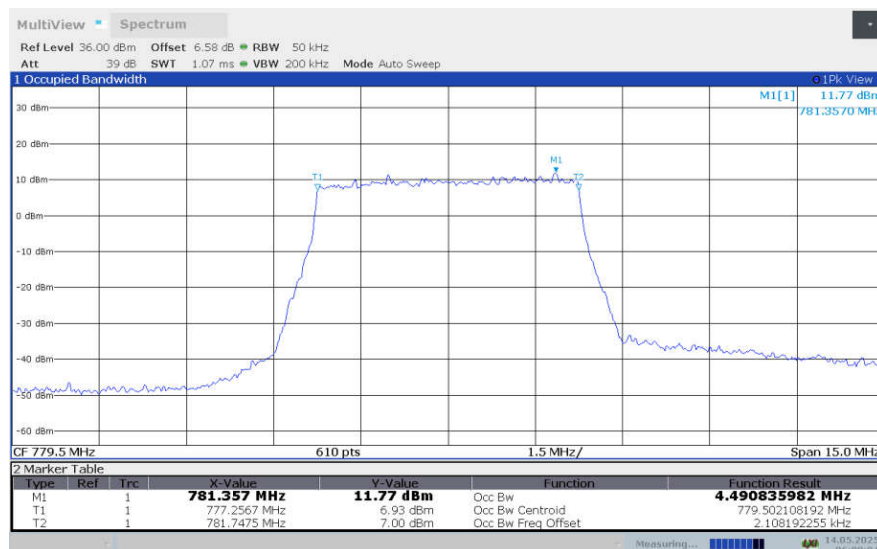
LTE band 13 , 5MHz Bandwidth,HIGH,16QAM (99% BW)



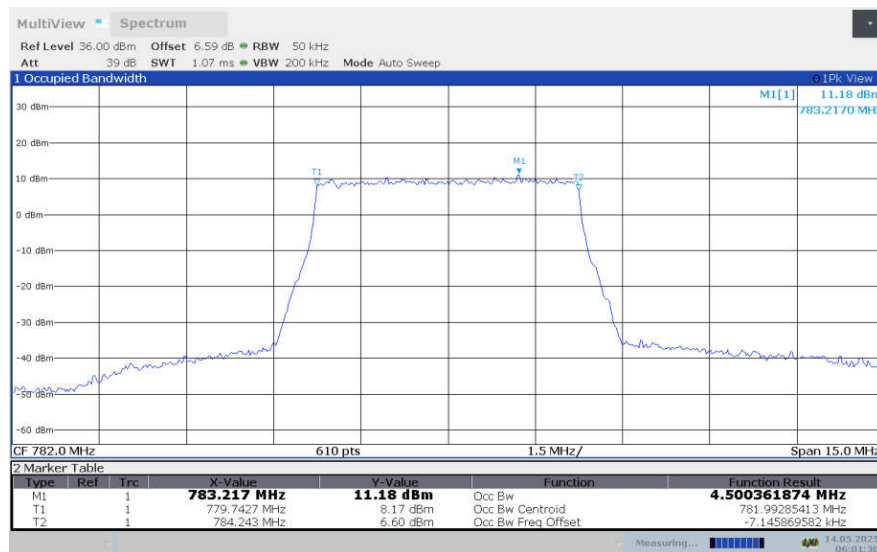
LTE band 13 , 5MHz Bandwidth,HIGH,64QAM (99% BW)



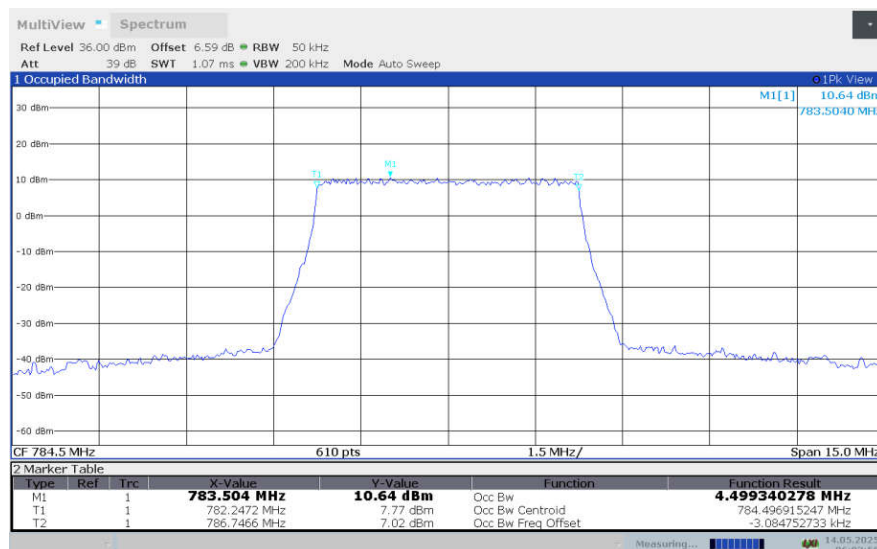
LTE band 13 , 5MHz Bandwidth,LOW,256QAM (99% BW)



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



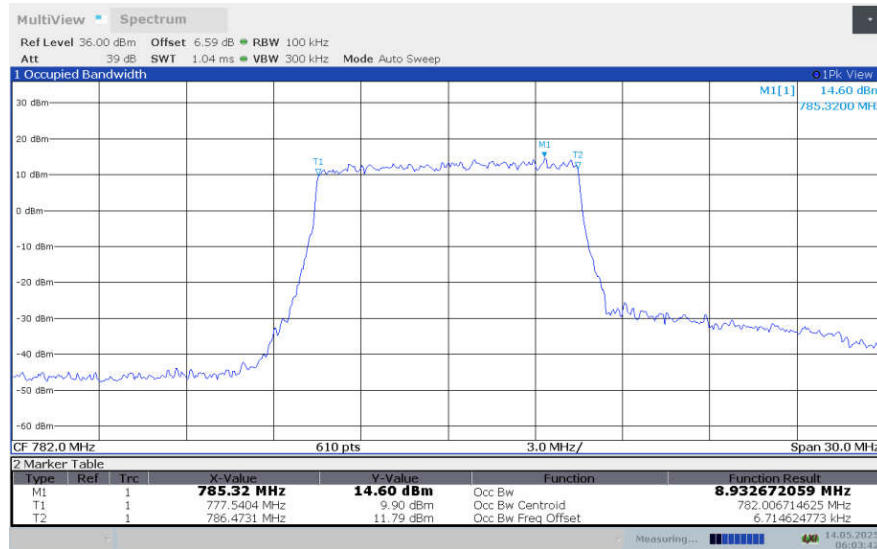
LTE band 13 , 5MHz Bandwidth,HIGH,256QAM (99% BW)



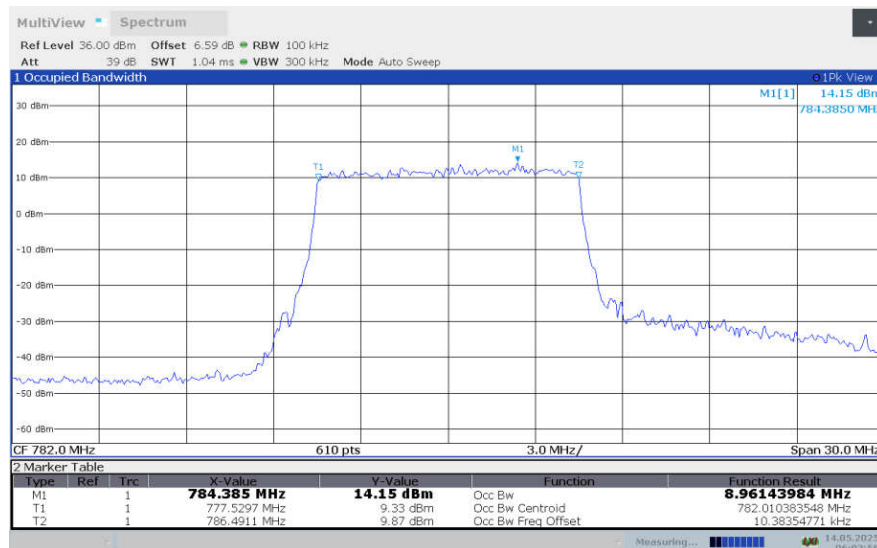
LTE band 13,10MHz(99%)

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

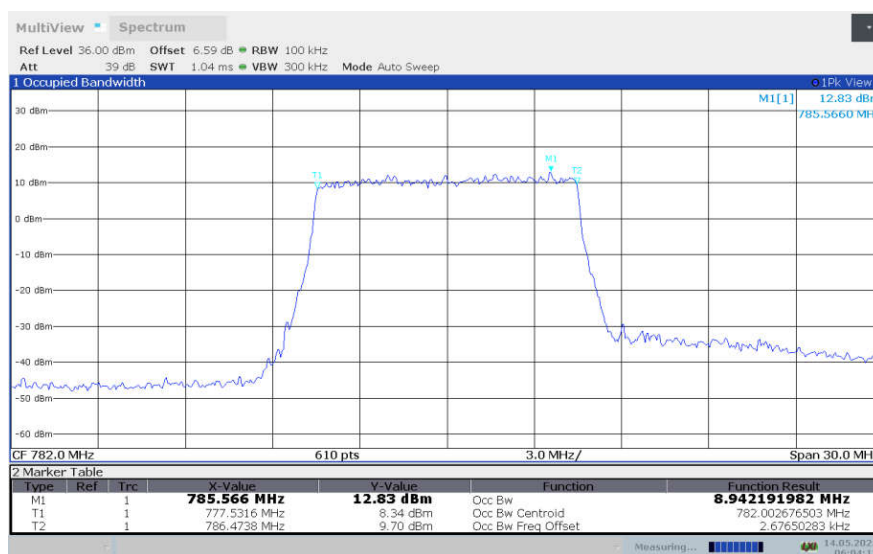
LTE band 13 , 10MHz Bandwidth,LOW,QPSK (99% BW)



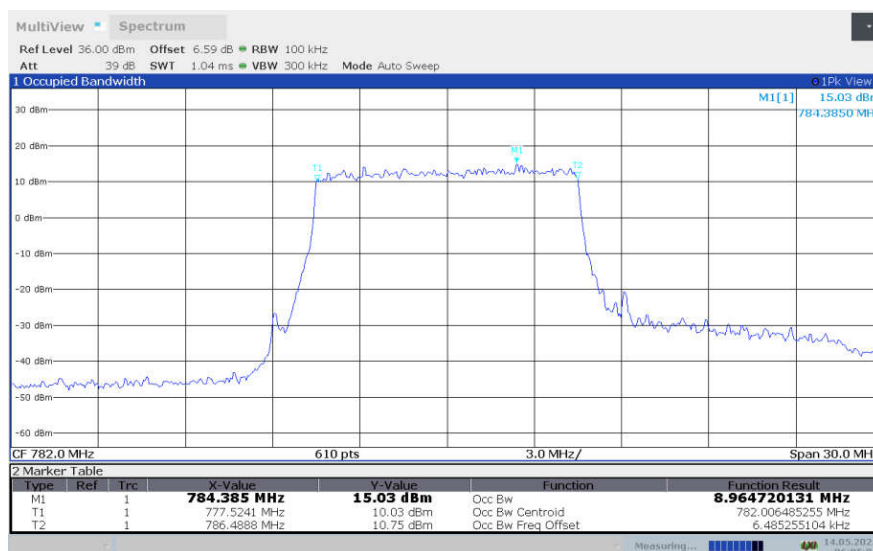
LTE band 13 , 10MHz Bandwidth,LOW,16QAM (99% BW)



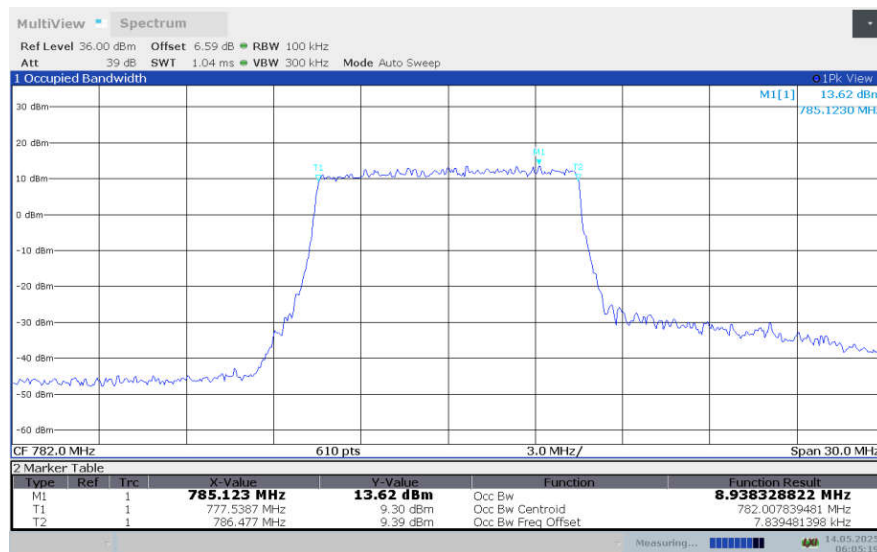
LTE band 13 , 10MHz Bandwidth,LOW,64QAM (99% BW)



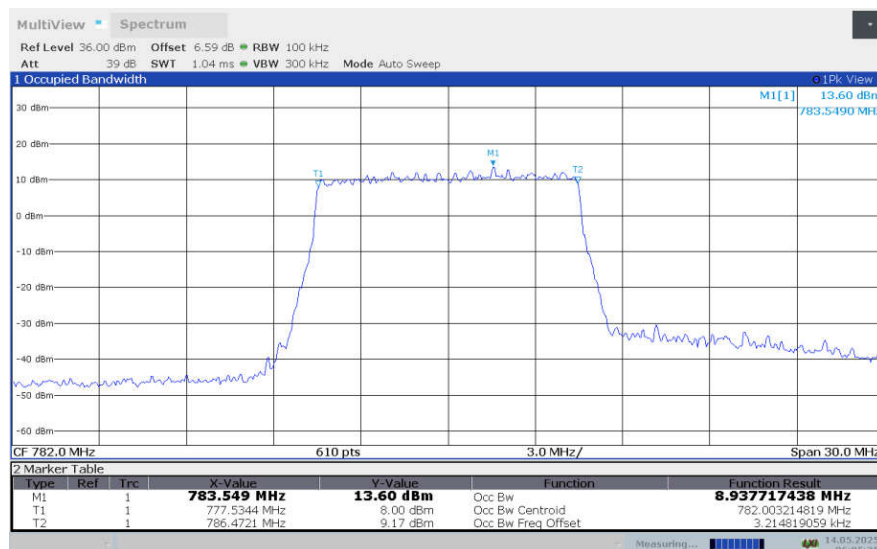
LTE band 13 , 10MHz Bandwidth,MID,QPSK (99% BW)



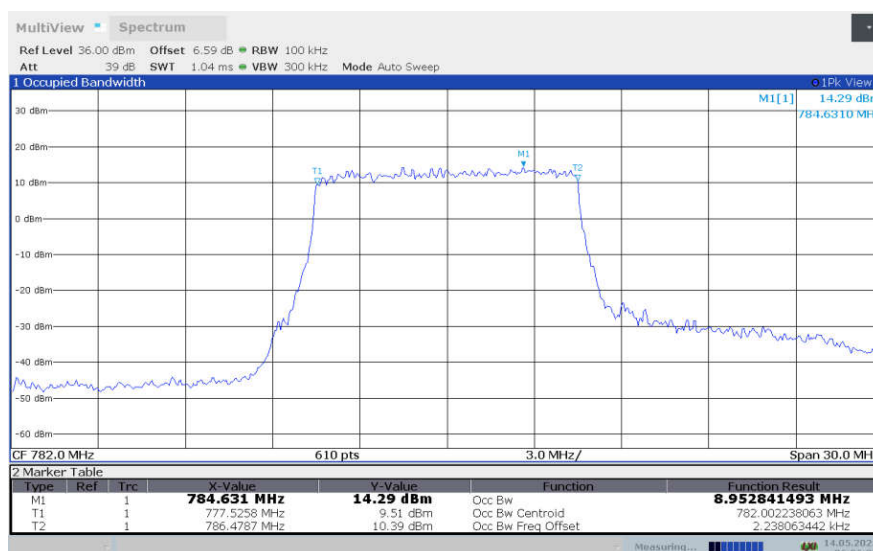
LTE band 13 , 10MHz Bandwidth,MID,16QAM (99% BW)



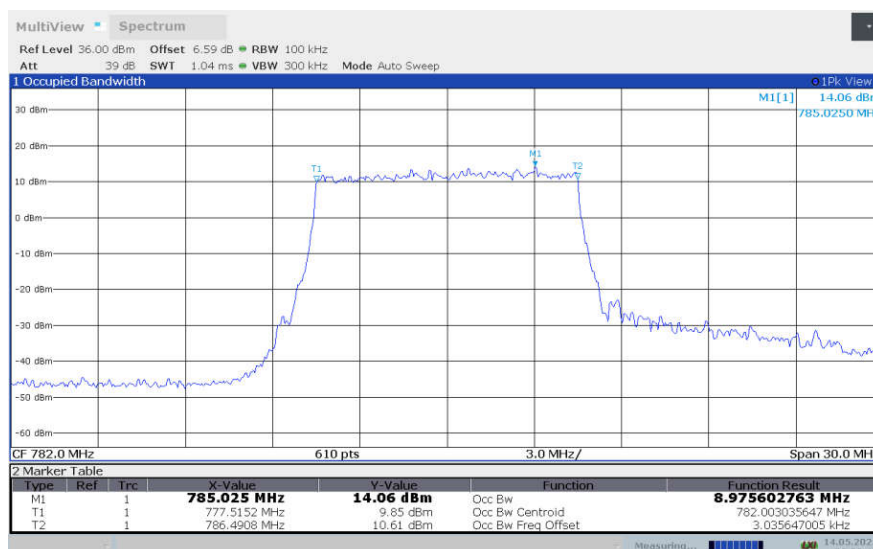
LTE band 13 , 10MHz Bandwidth,MID,64QAM (99% BW)



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)