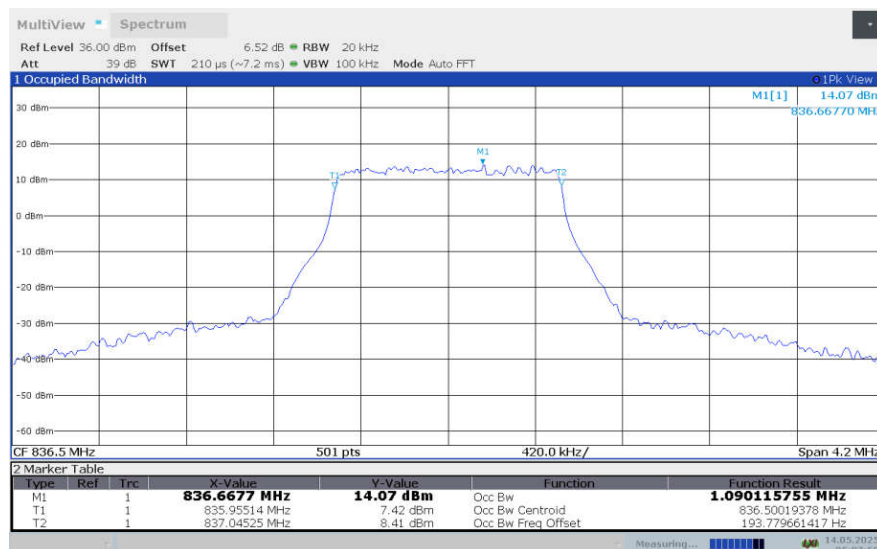
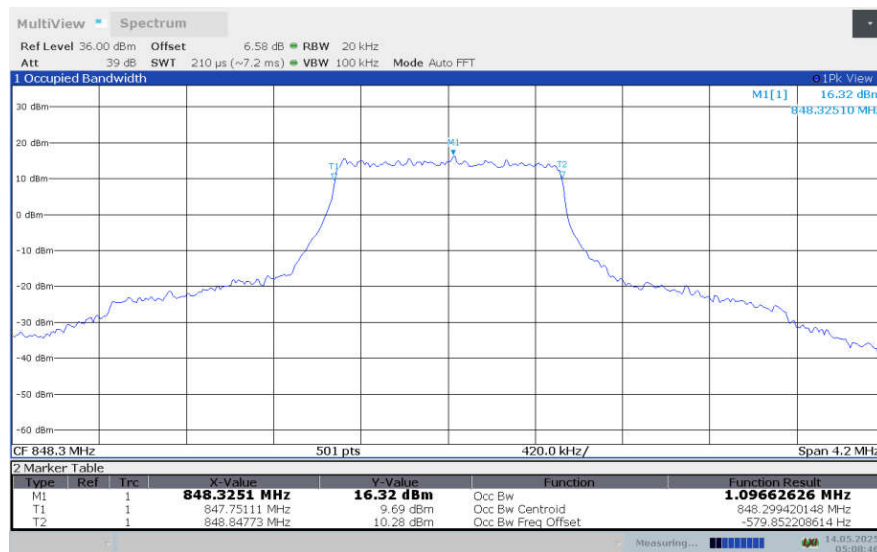


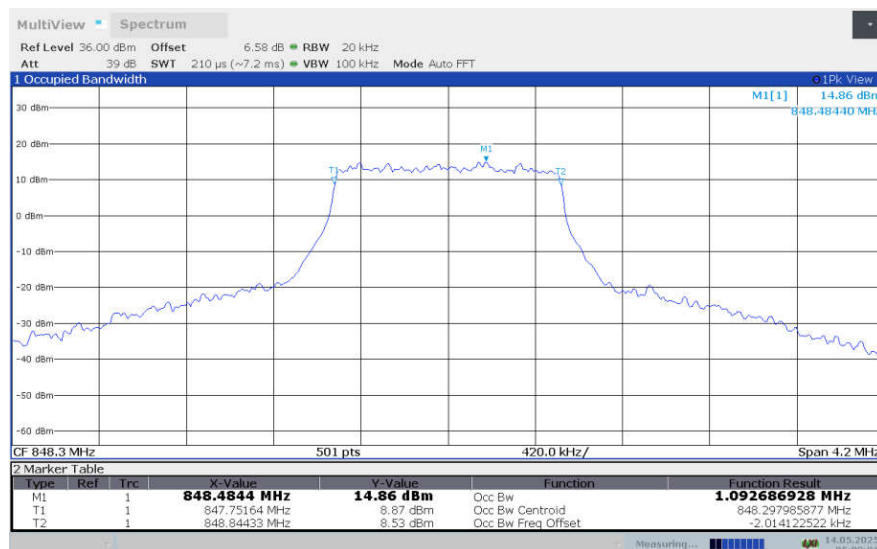
LTE band 5 , 1.4MHz Bandwidth,MID,64QAM (99% BW)



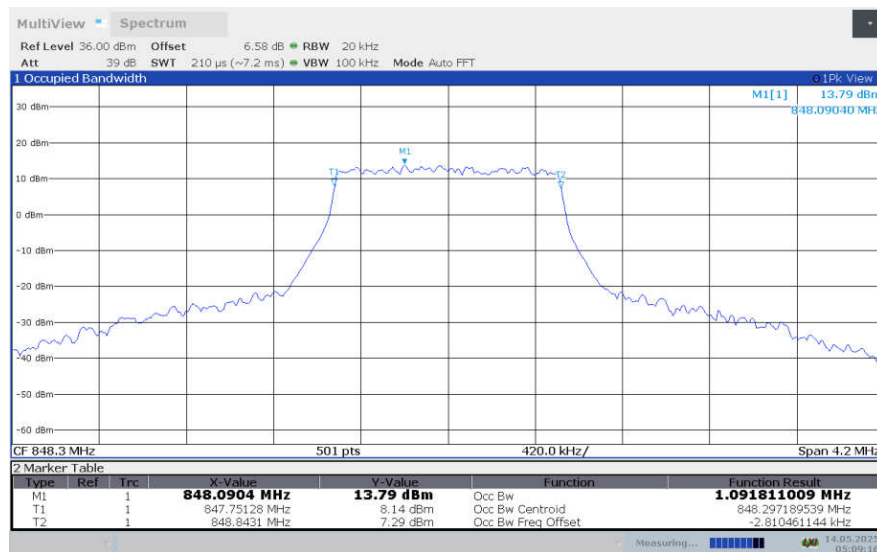
LTE band 5 , 1.4MHz Bandwidth,HIGH,QPSK (99% BW)



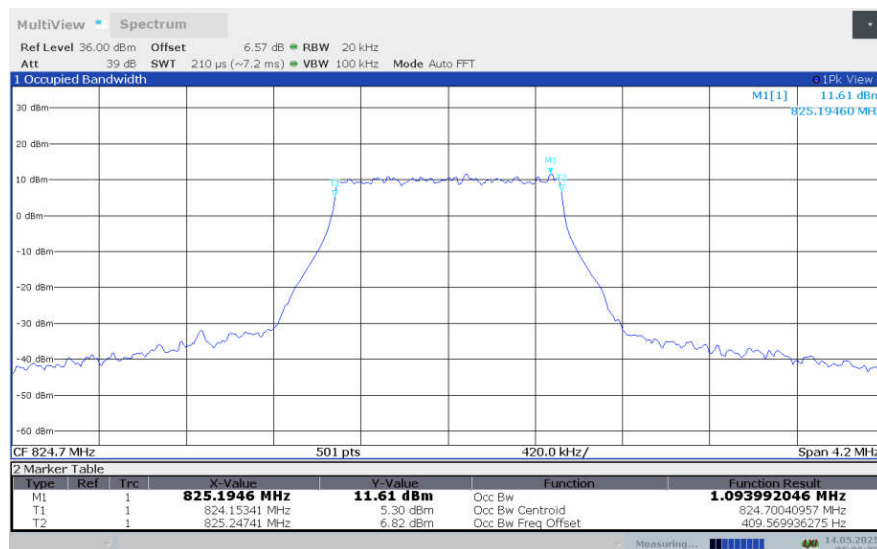
LTE band 5 , 1.4MHz Bandwidth,HIGH,16QAM (99% BW)



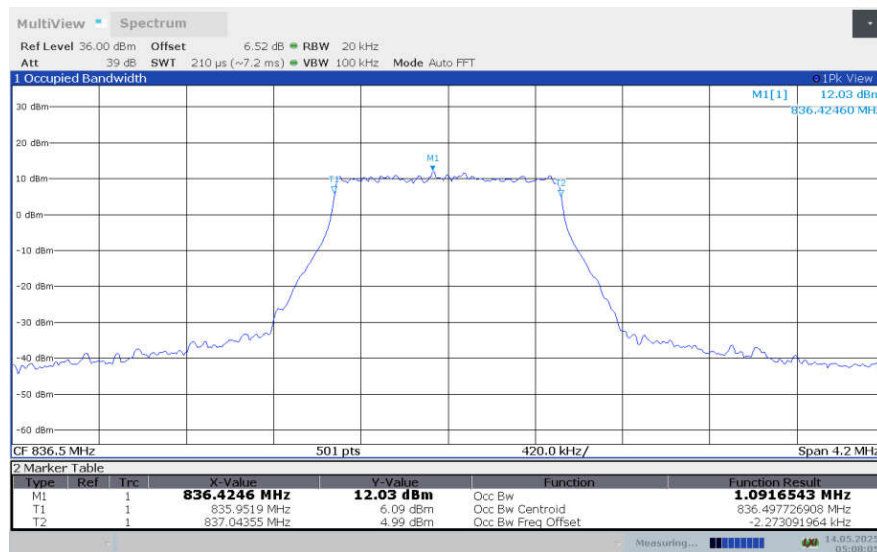
LTE band 5 , 1.4MHz Bandwidth,HIGH,64QAM (99% BW)



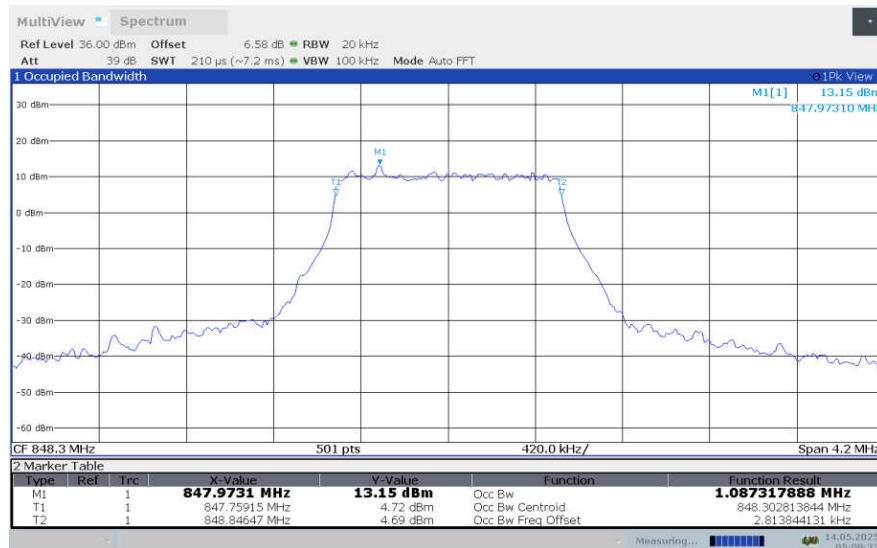
LTE band 5 , 1.4MHz Bandwidth,LOW,256QAM (99% BW)



LTE band 5 , 1.4MHz Bandwidth,MID,256QAM (99% BW)



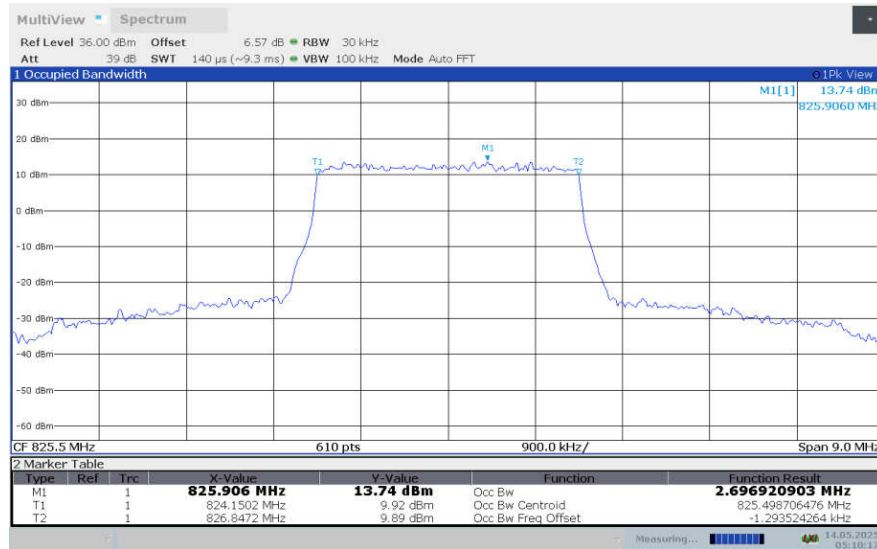
LTE band 5 , 1.4MHz Bandwidth,HIGH,256QAM (99% BW)



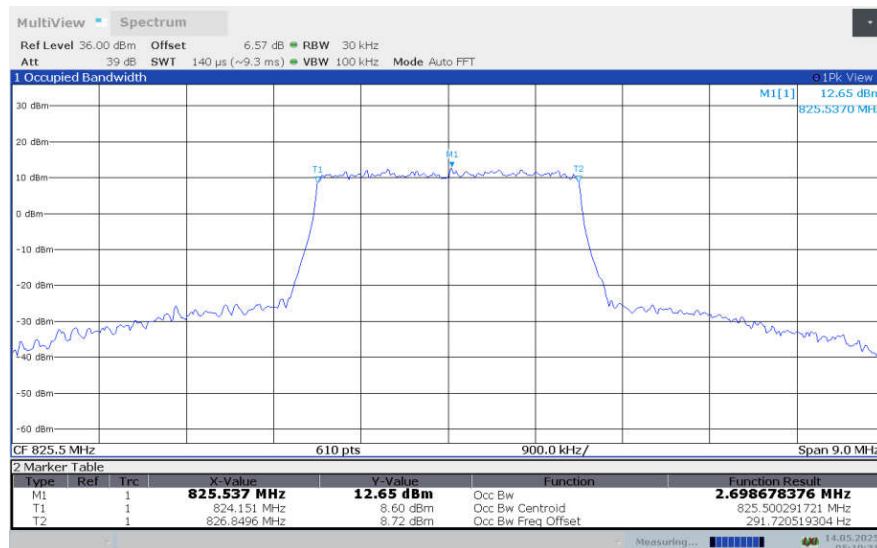
LTE band 5,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
825.5	2.697	2.699	2.696	2.695
836.5	2.706	2.706	2.700	2.693
847.5	2.697	2.696	2.696	2.696

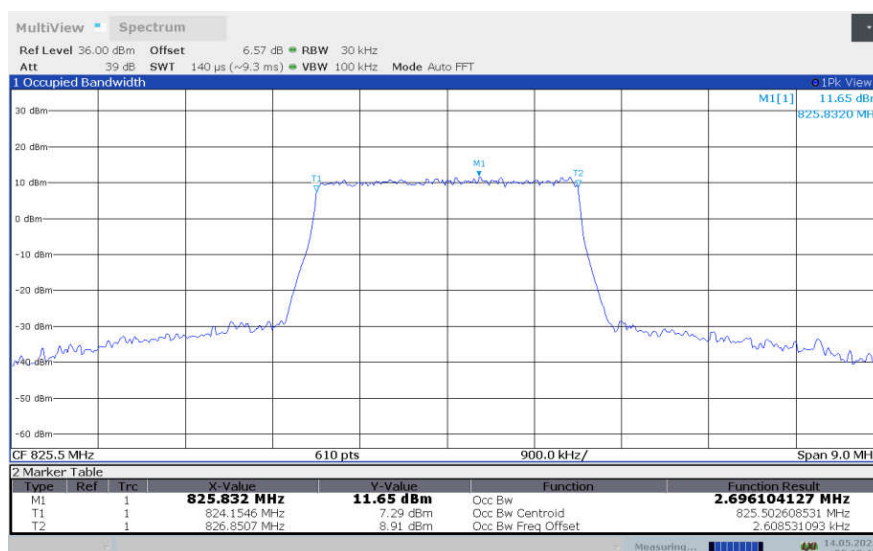
LTE band 5 , 3MHz Bandwidth,LOW,QPSK (99% BW)



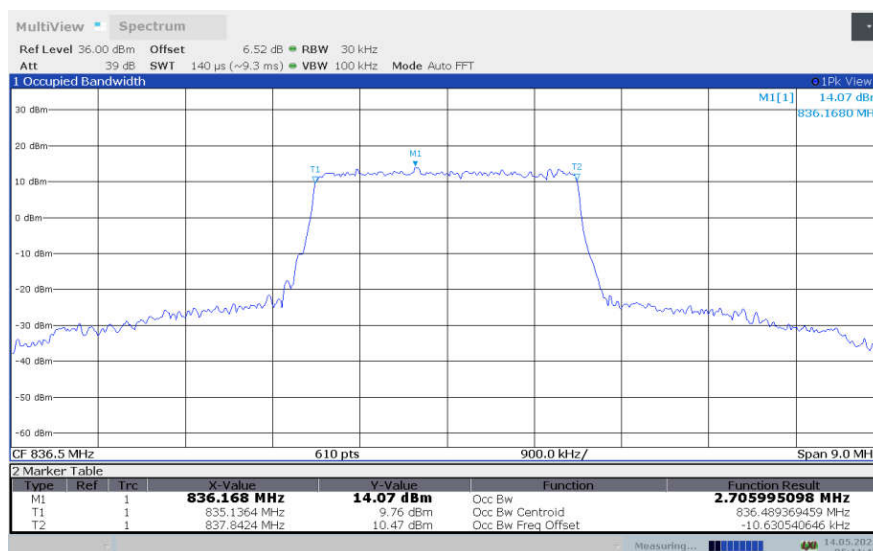
LTE band 5 , 3MHz Bandwidth,LOW,16QAM (99% BW)



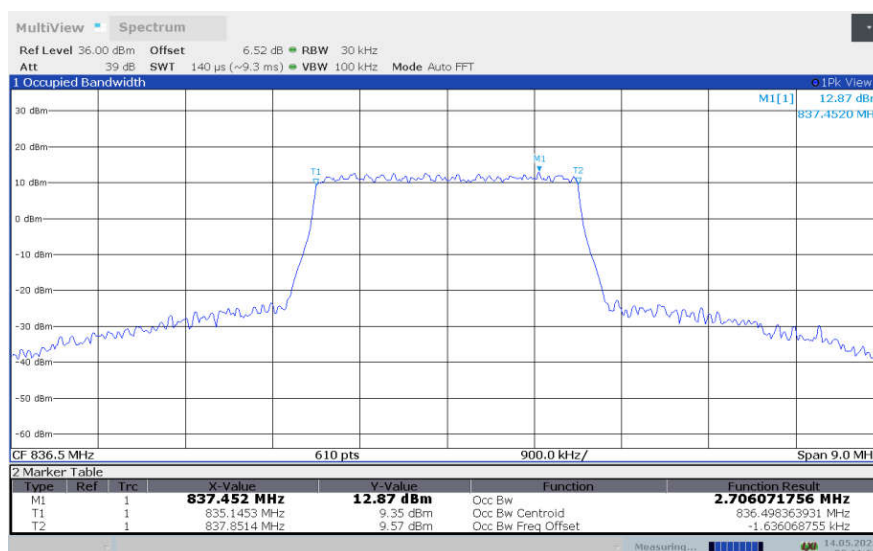
LTE band 5 , 3MHz Bandwidth,LOW,64QAM (99% BW)



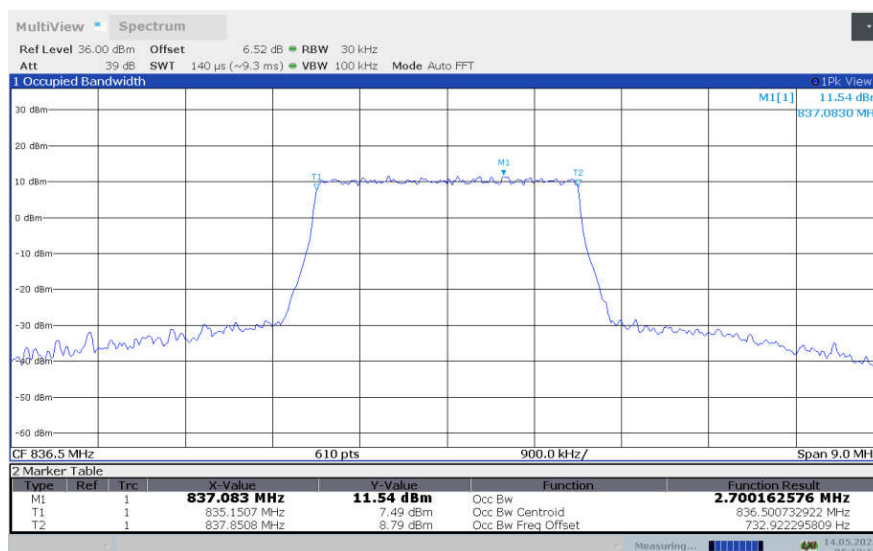
LTE band 5 , 3MHz Bandwidth,MID,QPSK (99% BW)



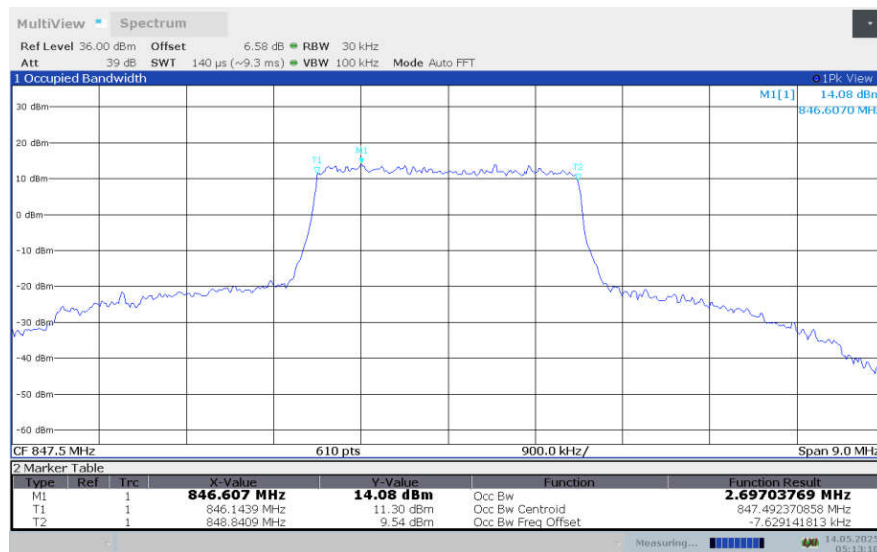
LTE band 5 , 3MHz Bandwidth,MID,16QAM (99% BW)



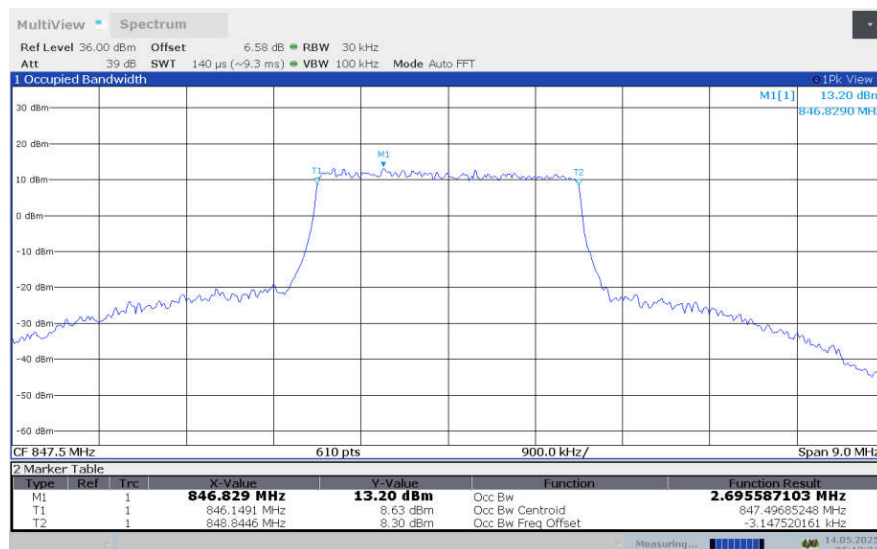
LTE band 5 , 3MHz Bandwidth,MID,64QAM (99% BW)



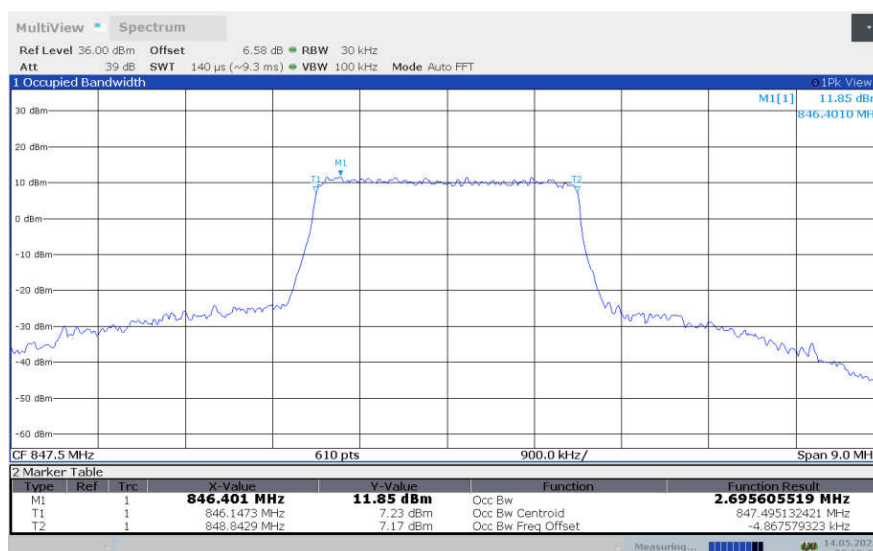
LTE band 5 , 3MHz Bandwidth,HIGH,QPSK (99% BW)



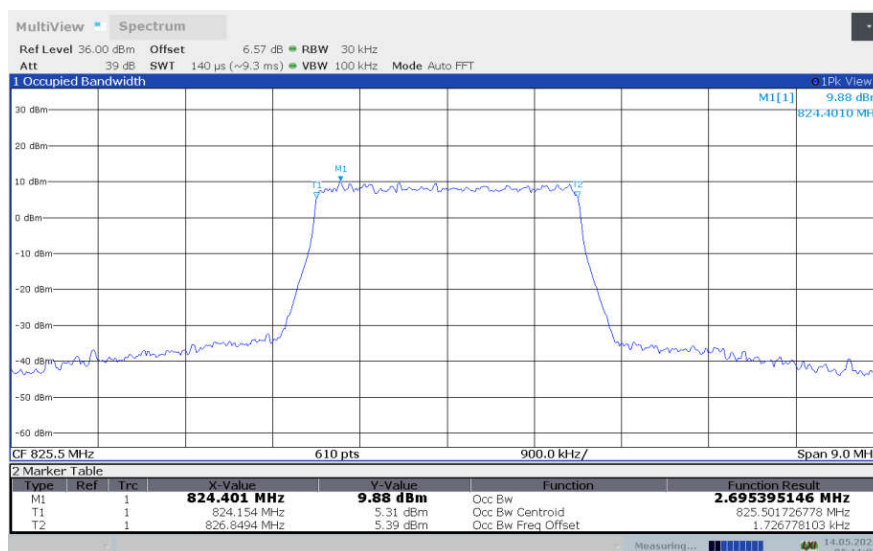
LTE band 5 , 3MHz Bandwidth,HIGH,16QAM (99% BW)



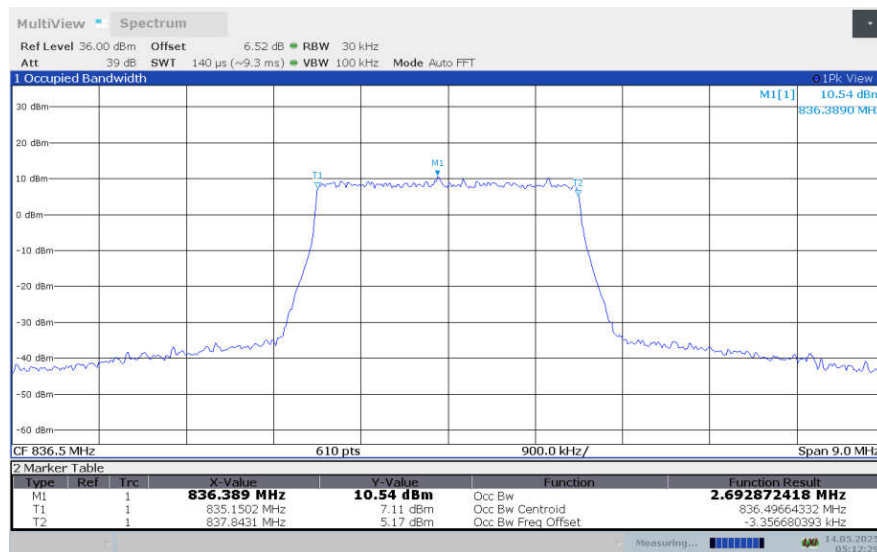
LTE band 5 , 3MHz Bandwidth,HIGH,64QAM (99% BW)



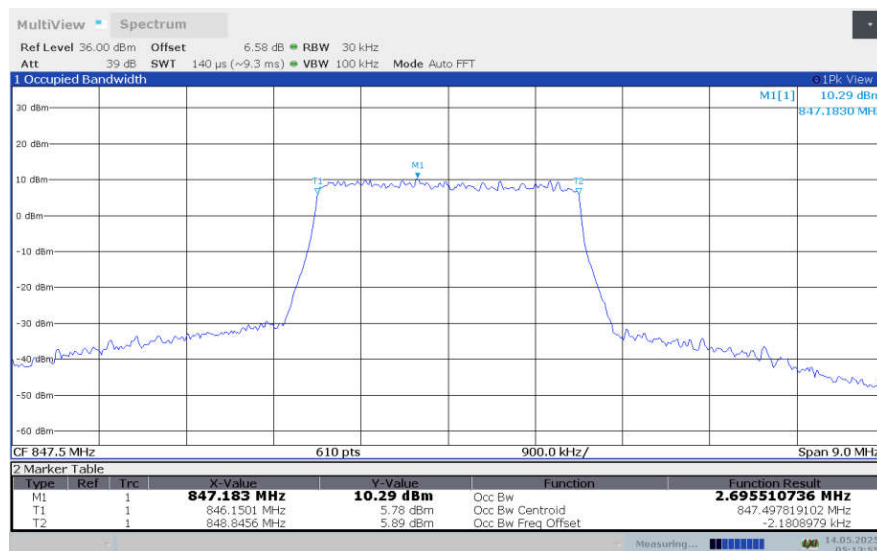
LTE band 5 , 3MHz Bandwidth,LOW,256QAM (99% BW)



LTE band 5 , 3MHz Bandwidth,MID,256QAM (99% BW)



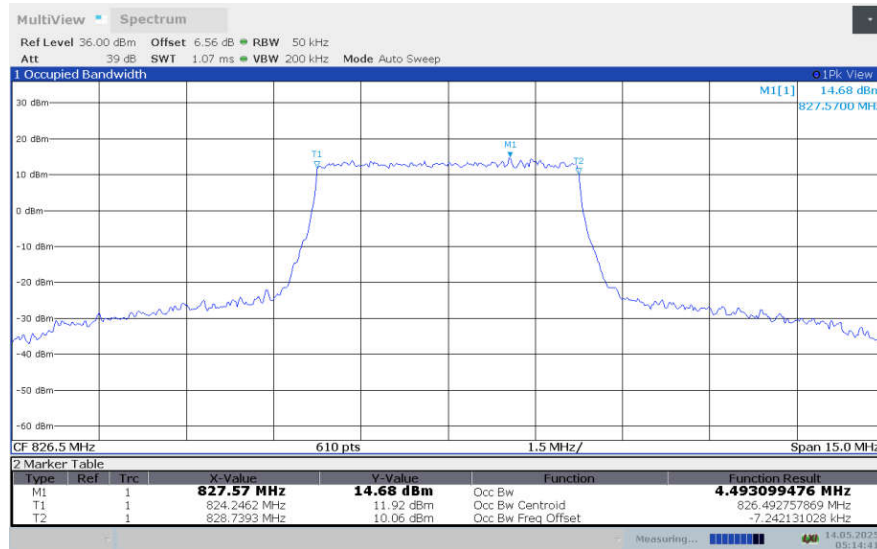
LTE band 5 , 3MHz Bandwidth,HIGH,256QAM (99% BW)



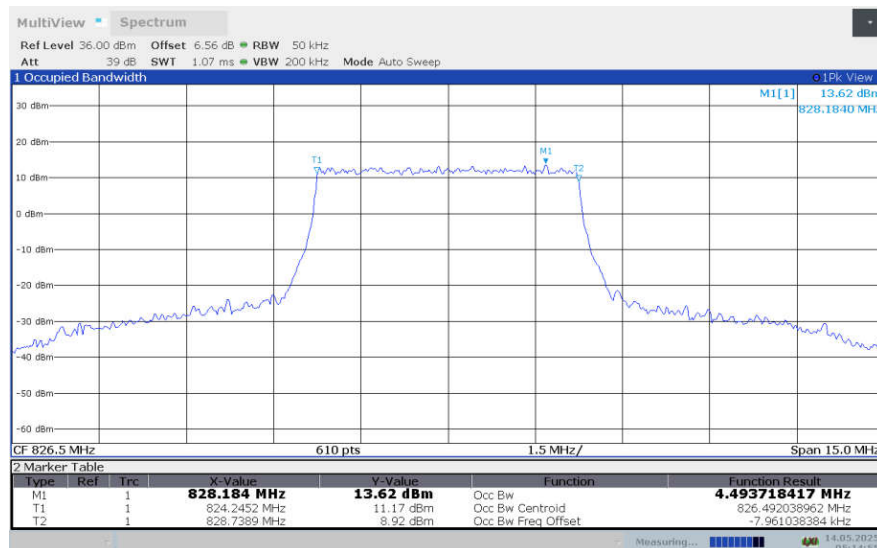
LTE band 5,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
826.5	4.493	4.494	4.499	4.502
836.5	4.490	4.484	4.491	4.495
846.5	4.499	4.492	4.491	4.493

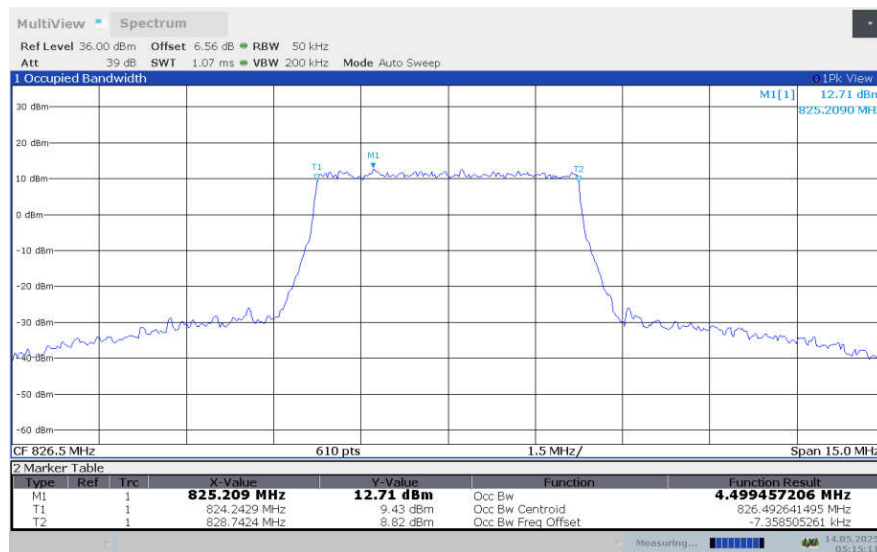
LTE band 5 , 5MHz Bandwidth,LOW,QPSK (99% BW)



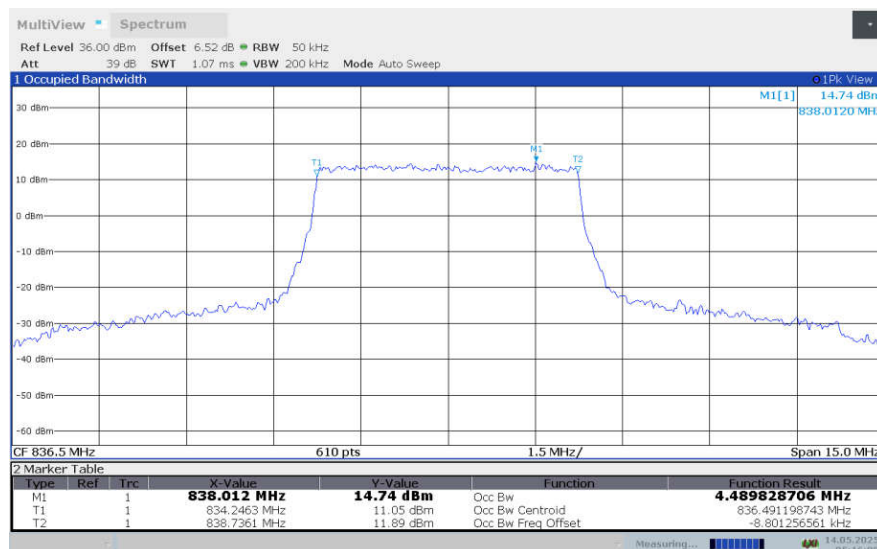
LTE band 5 , 5MHz Bandwidth,LOW,16QAM (99% BW)



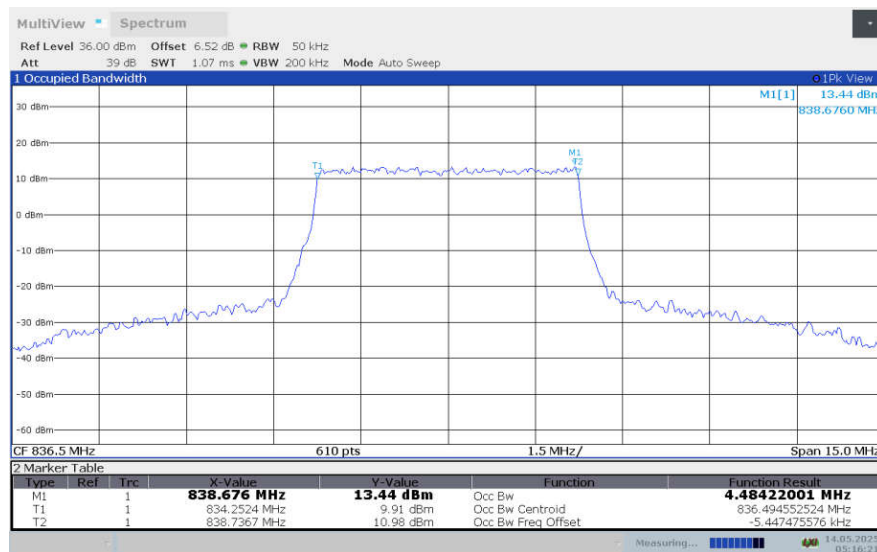
LTE band 5 , 5MHz Bandwidth,LOW,64QAM (99% BW)



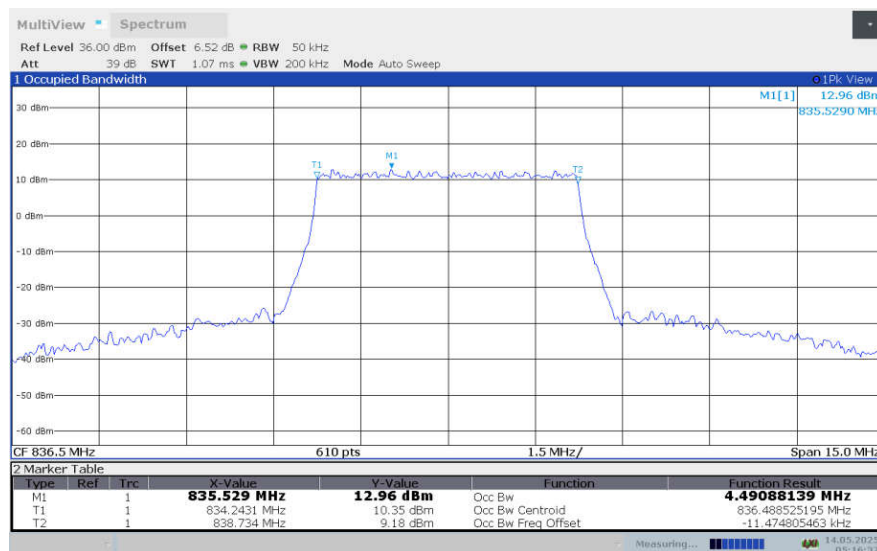
LTE band 5 , 5MHz Bandwidth,MID,QPSK (99% BW)



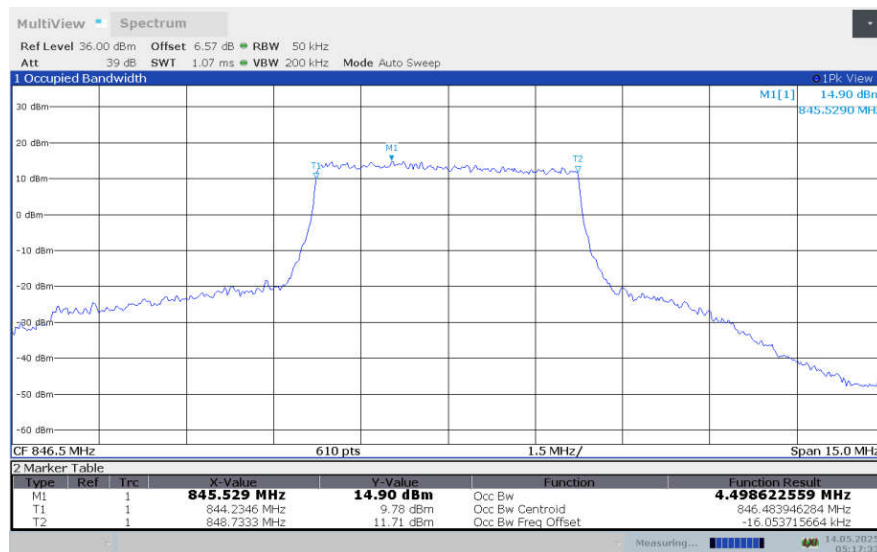
LTE band 5 , 5MHz Bandwidth,MID,16QAM (99% BW)



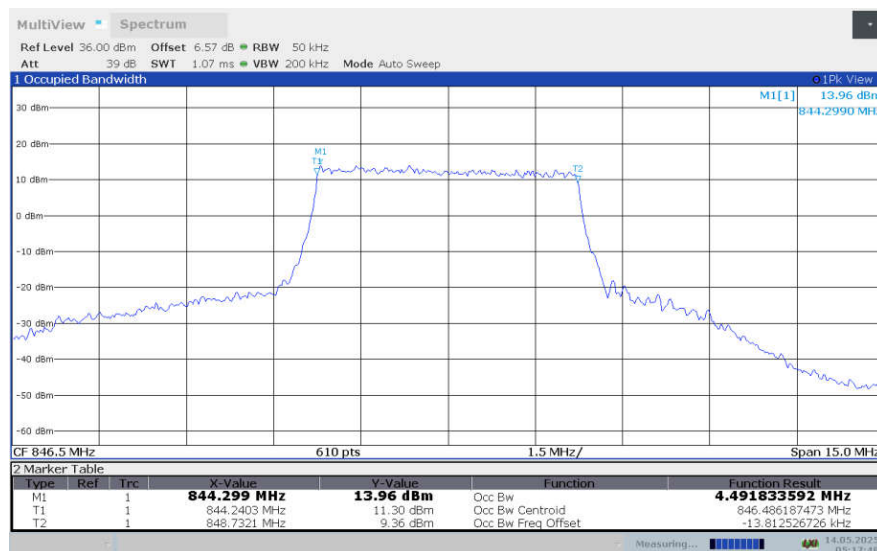
LTE band 5 , 5MHz Bandwidth,MID,64QAM (99% BW)



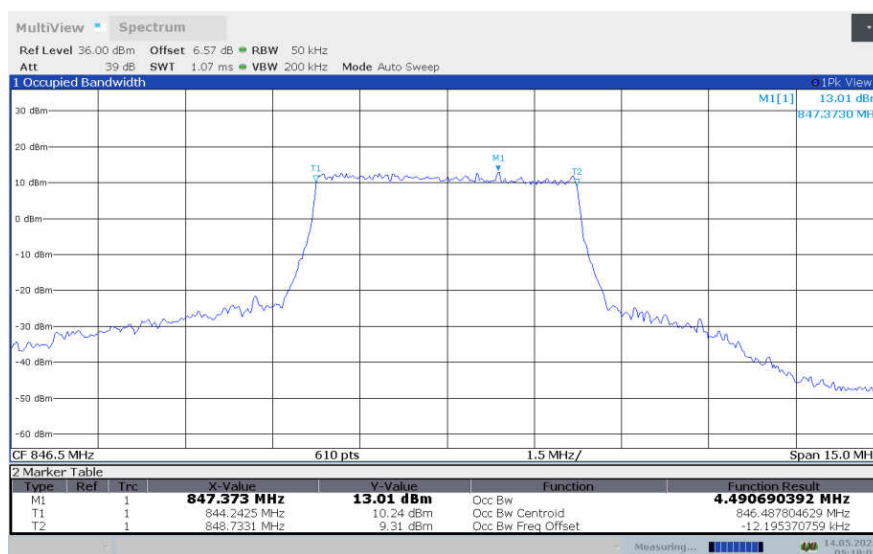
LTE band 5 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



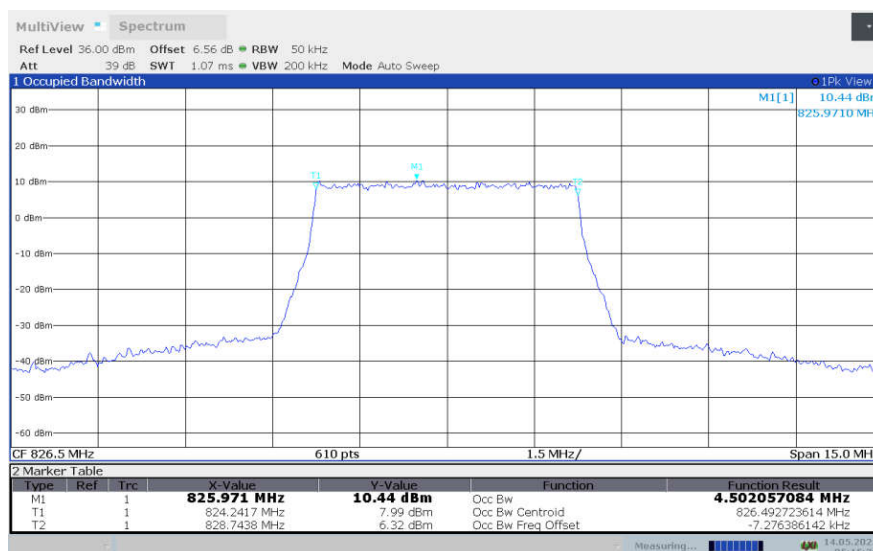
LTE band 5 , 5MHz Bandwidth,HIGH,16QAM (99% BW)



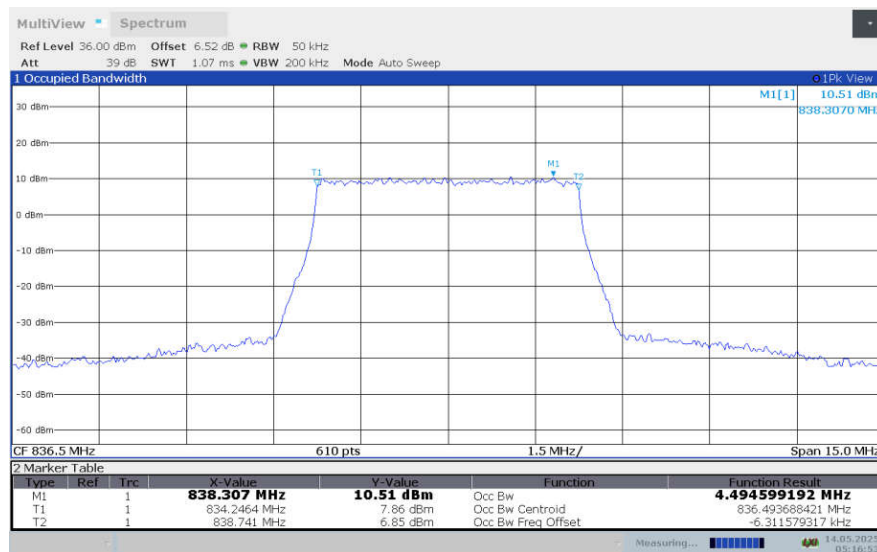
LTE band 5 , 5MHz Bandwidth,HIGH,64QAM (99% BW)



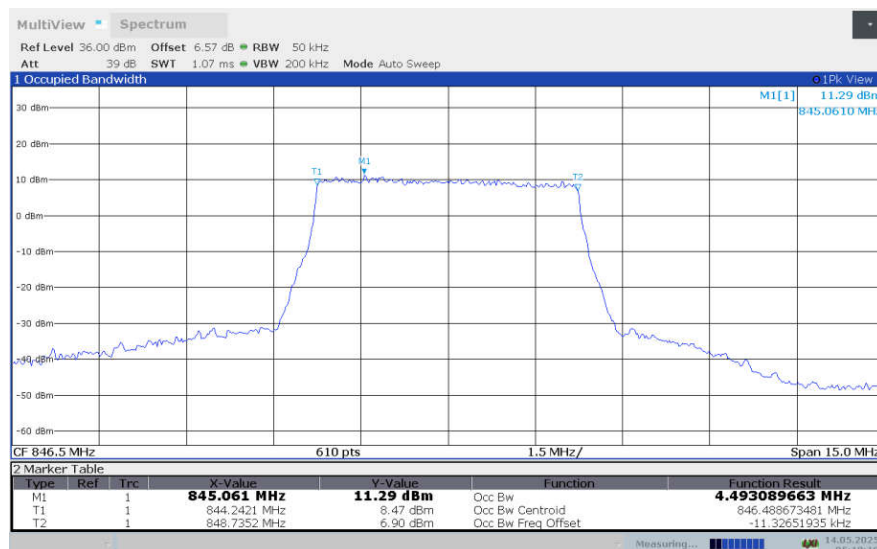
LTE band 5 , 5MHz Bandwidth,LOW,256QAM (99% BW)



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



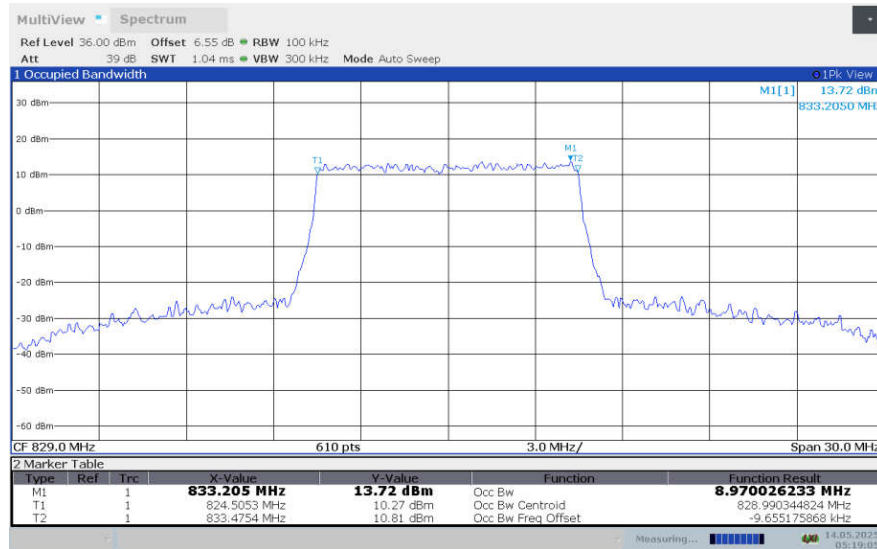
LTE band 5 , 5MHz Bandwidth,HIGH,256QAM (99% BW)



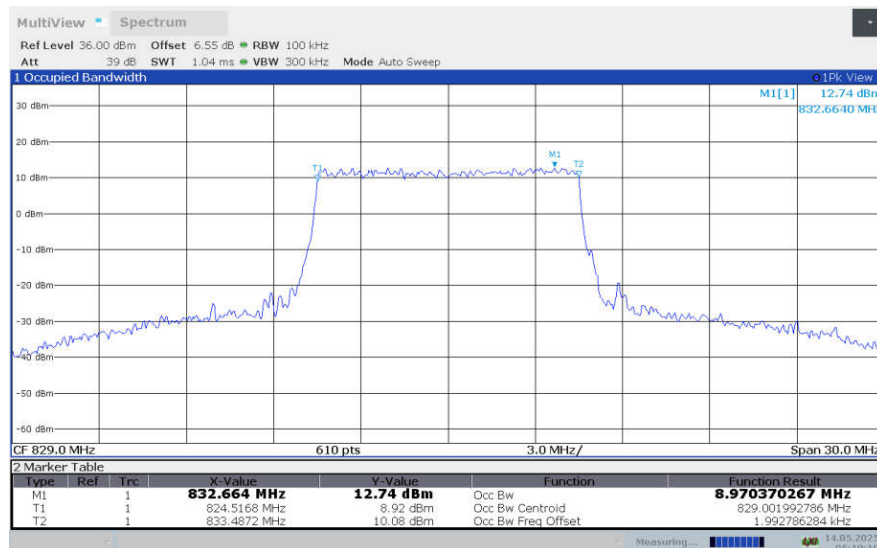
LTE band 5,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
829	8.970	8.970	8.951	8.973
836.5	8.984	8.972	8.966	8.969
844	8.981	8.968	8.961	8.949

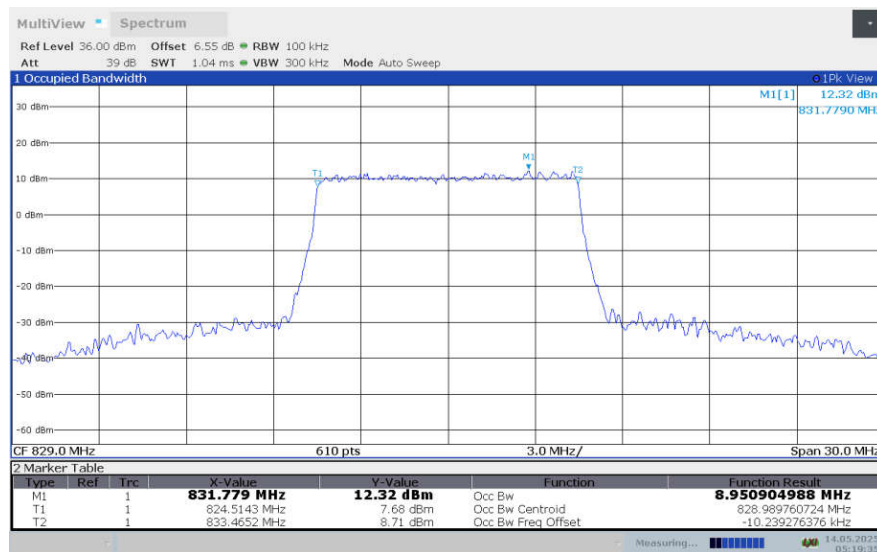
LTE band 5 , 10MHz Bandwidth,LOW,QPSK (99% BW)



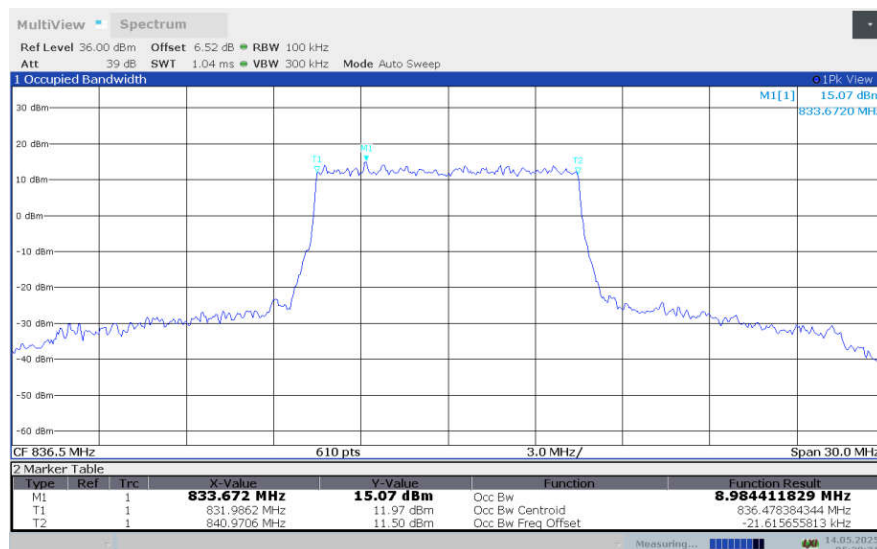
LTE band 5 , 10MHz Bandwidth,LOW,16QAM (99% BW)



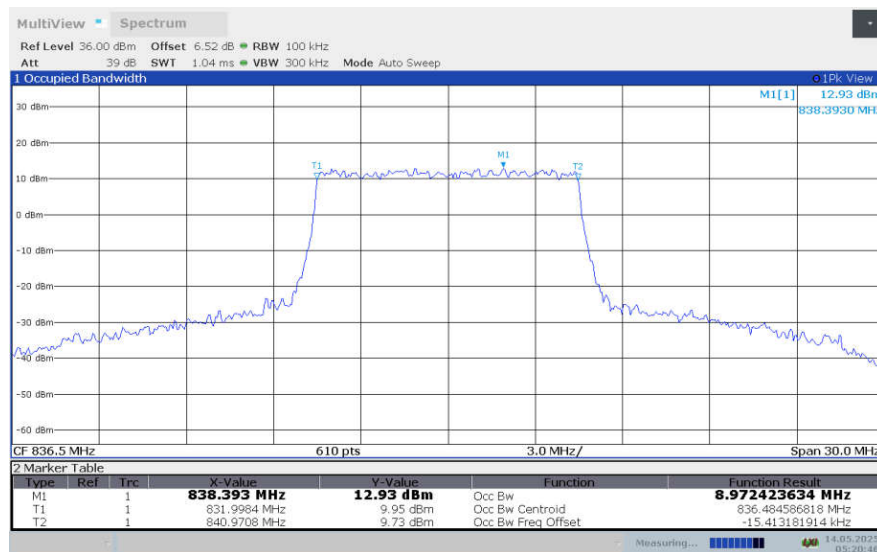
LTE band 5 , 10MHz Bandwidth,LOW,64QAM (99% BW)



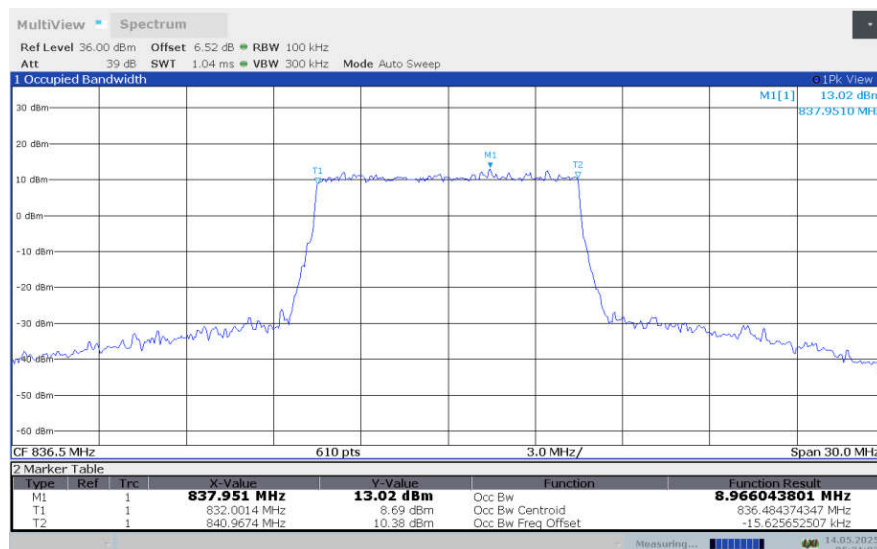
LTE band 5 , 10MHz Bandwidth,MID,QPSK (99% BW)



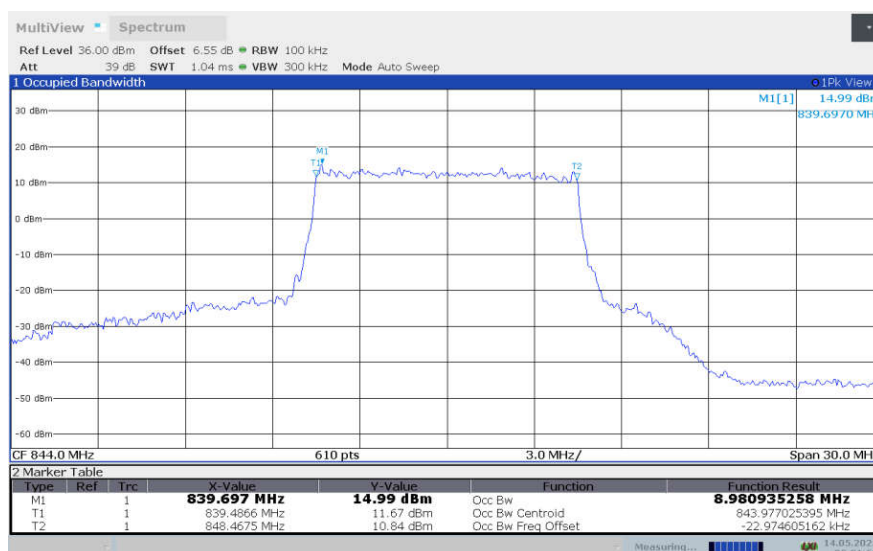
LTE band 5 , 10MHz Bandwidth,MID,16QAM (99% BW)



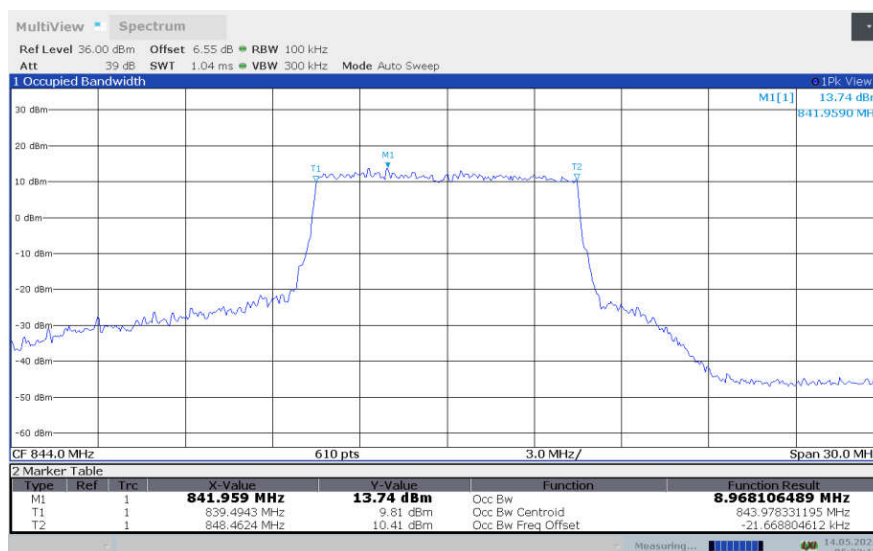
LTE band 5 , 10MHz Bandwidth,MID,64QAM (99% BW)



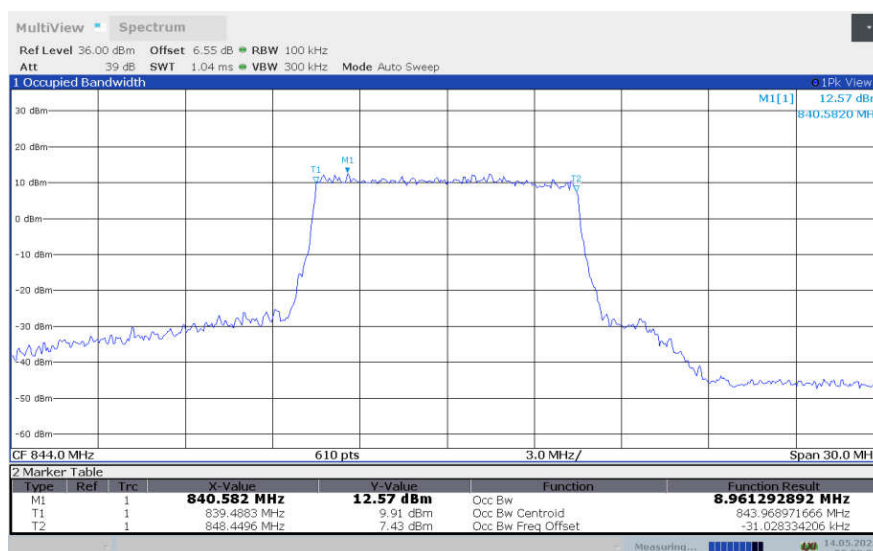
LTE band 5 , 10MHz Bandwidth,HIGH,QPSK (99% BW)



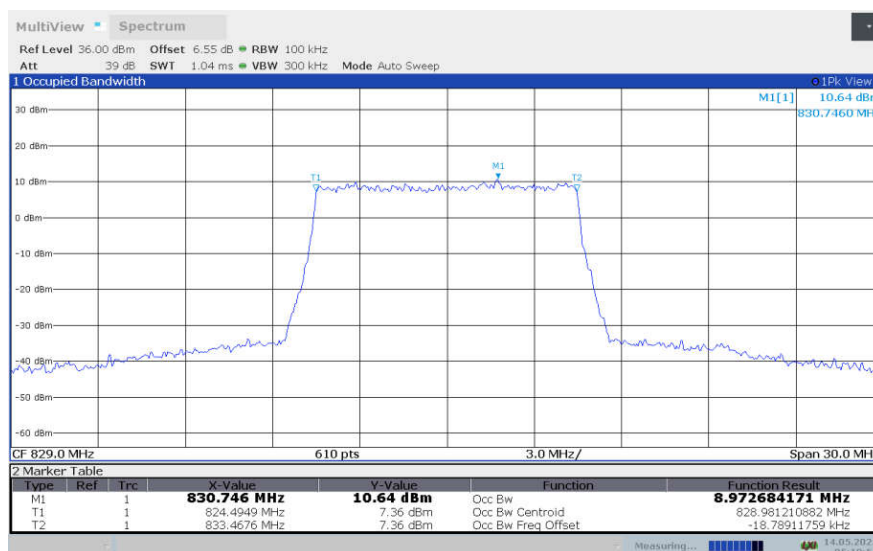
LTE band 5 , 10MHz Bandwidth,HIGH,16QAM (99% BW)



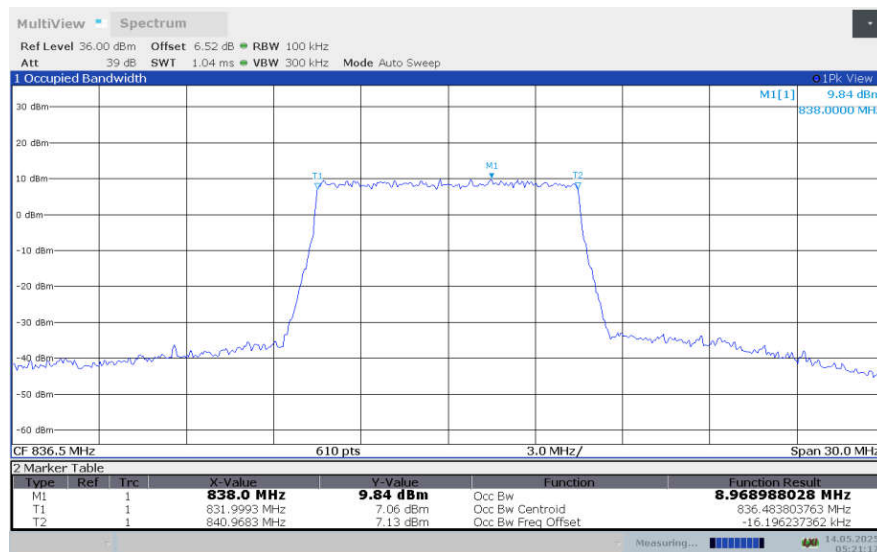
LTE band 5 , 10MHz Bandwidth,HIGH,64QAM (99% BW)



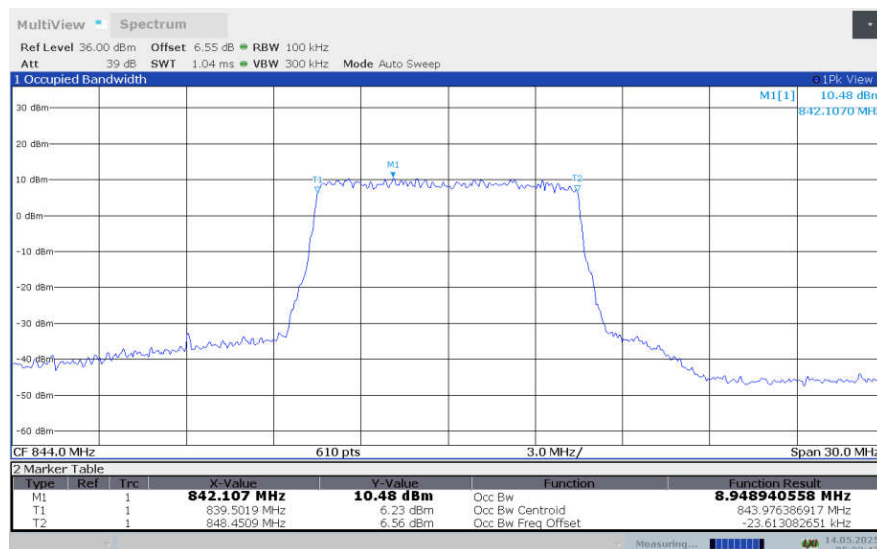
LTE band 5 , 10MHz Bandwidth,LOW,256QAM (99% BW)



LTE band 5 , 10MHz Bandwidth,MID,256QAM (99% BW)



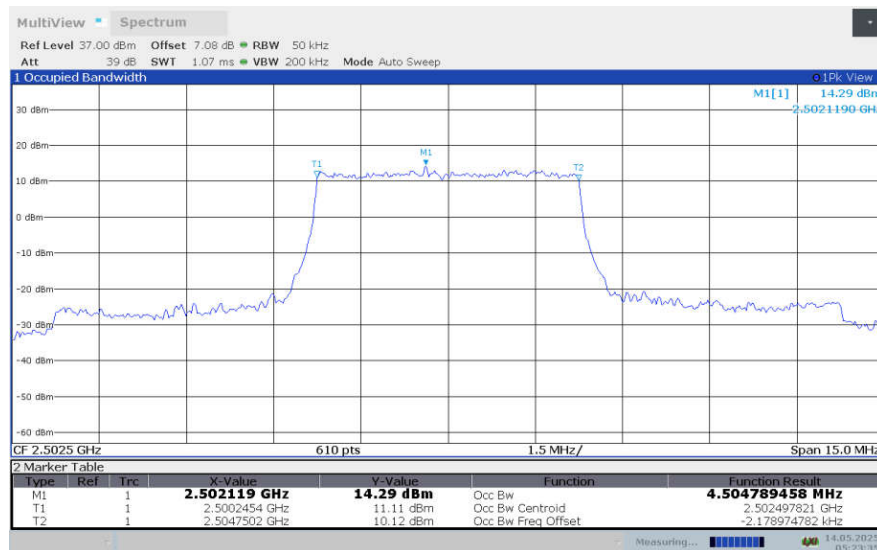
LTE band 5 , 10MHz Bandwidth,HIGH,256QAM (99% BW)



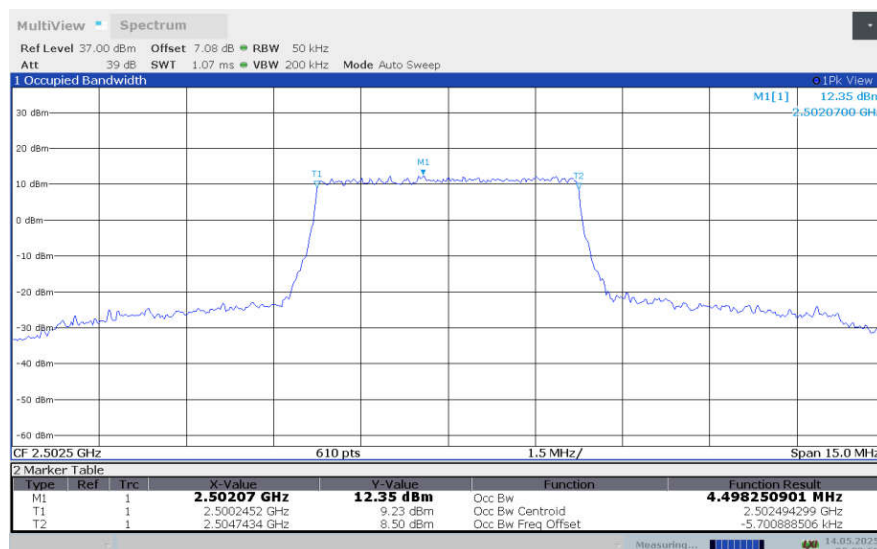
LTE band 7,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
2502.5	4.505	4.498	4.504	4.502
2535	4.506	4.504	4.507	4.510
2567.5	4.498	4.498	4.504	4.499

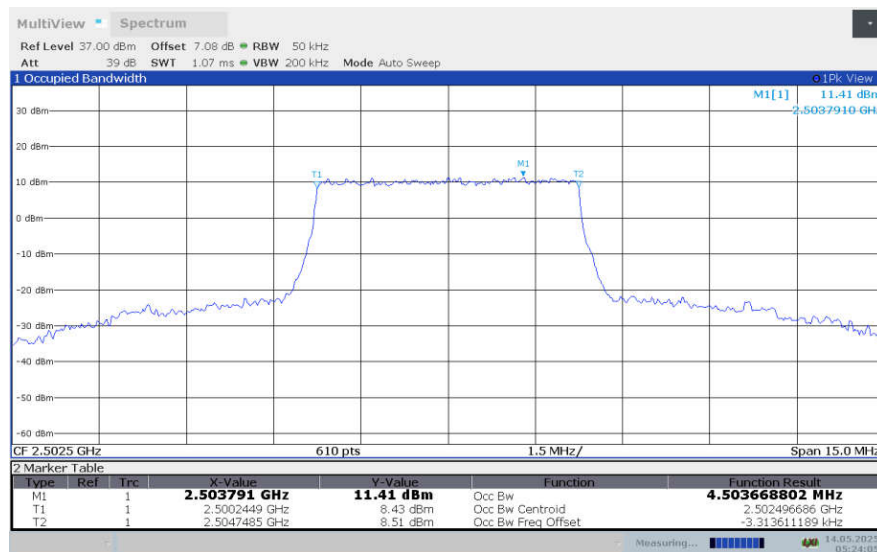
LTE band 7 , 5MHz Bandwidth,LOW,QPSK (99% BW)



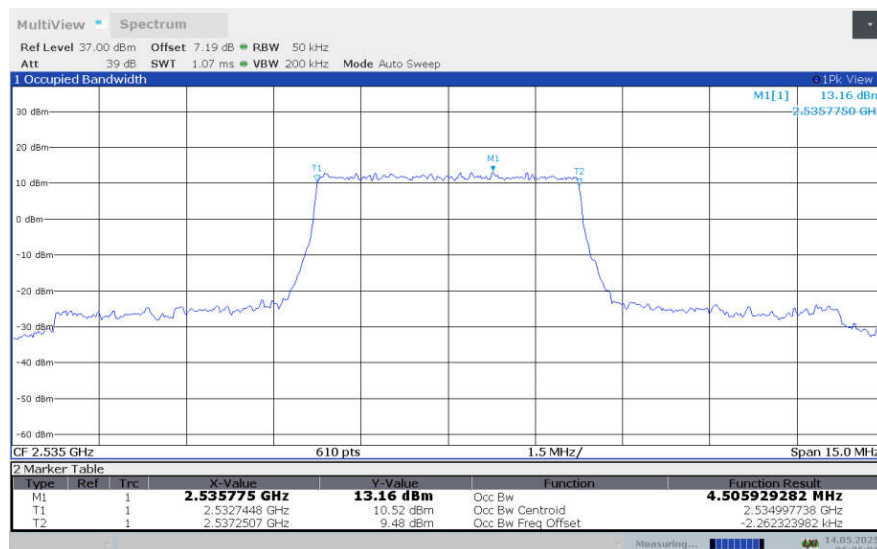
LTE band 7 , 5MHz Bandwidth,LOW,16QAM (99% BW)



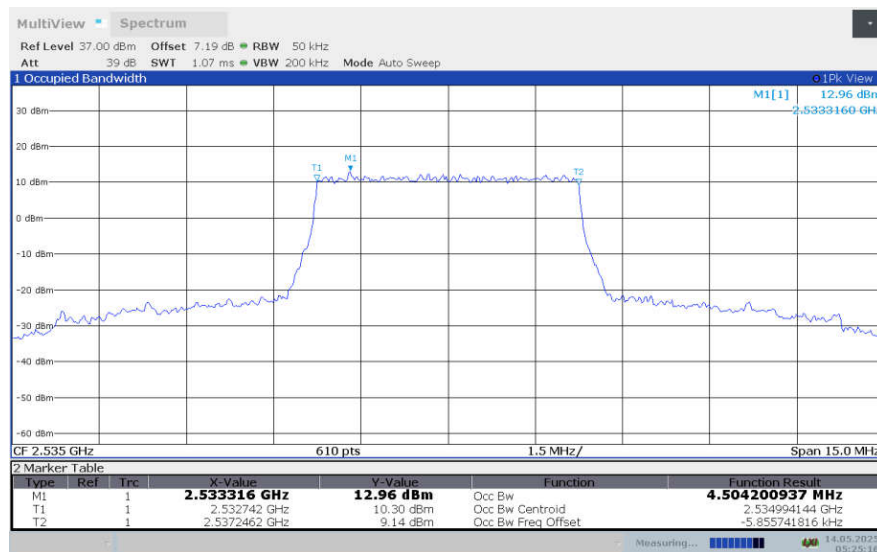
LTE band 7 , 5MHz Bandwidth,LOW,64QAM (99% BW)



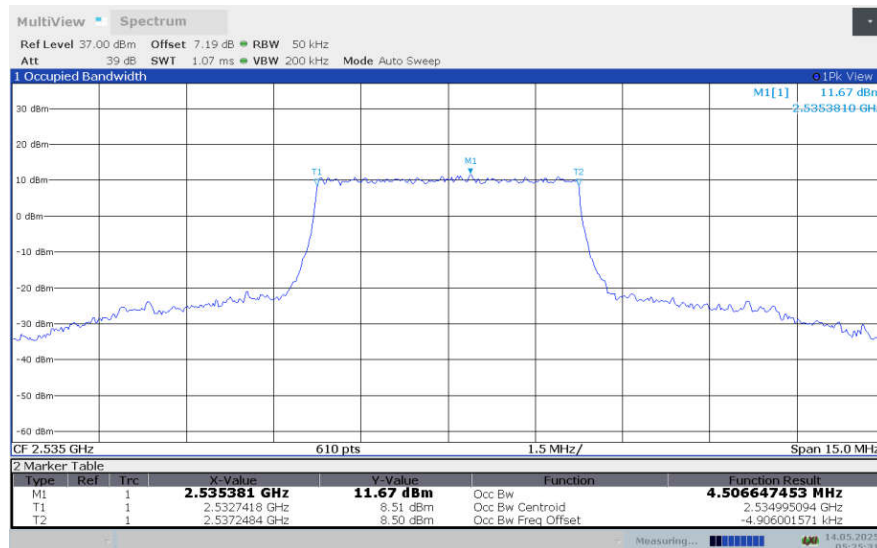
LTE band 7 , 5MHz Bandwidth,MID,QPSK (99% BW)



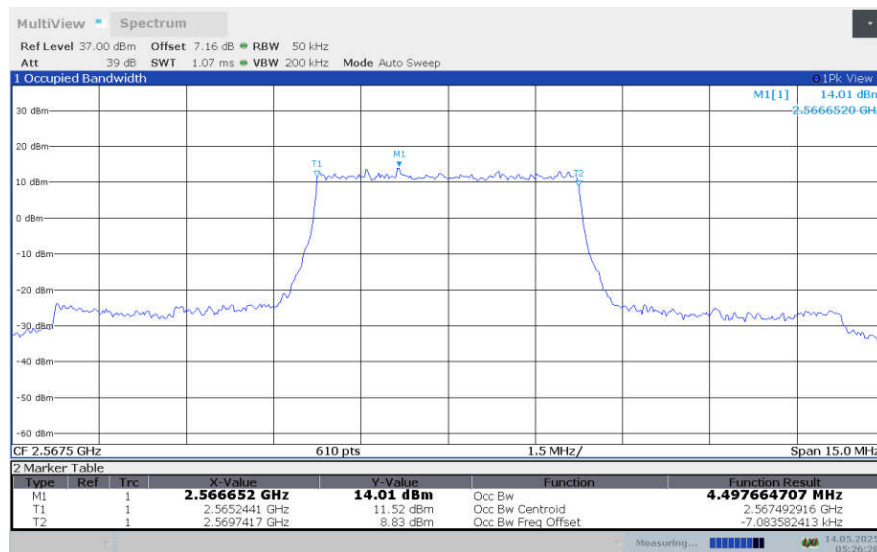
LTE band 7 , 5MHz Bandwidth,MID,16QAM (99% BW)



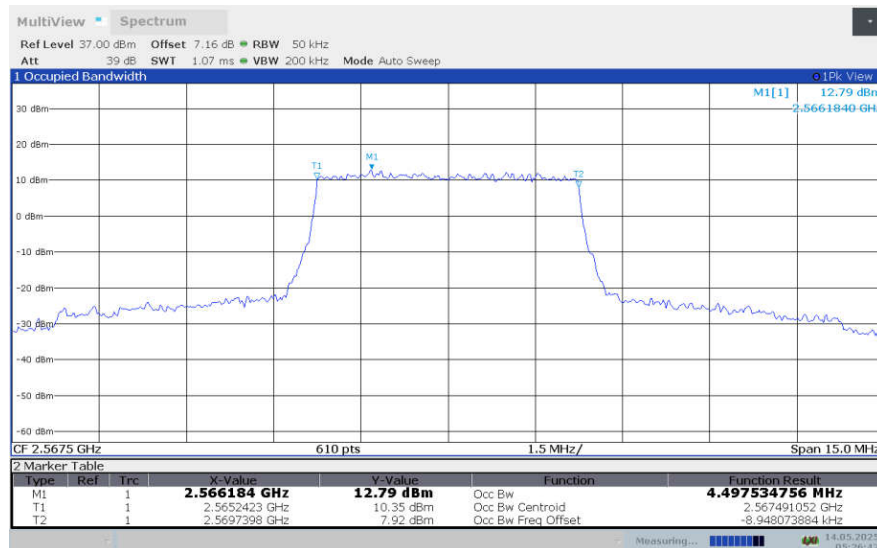
LTE band 7 , 5MHz Bandwidth,MID,64QAM (99% BW)



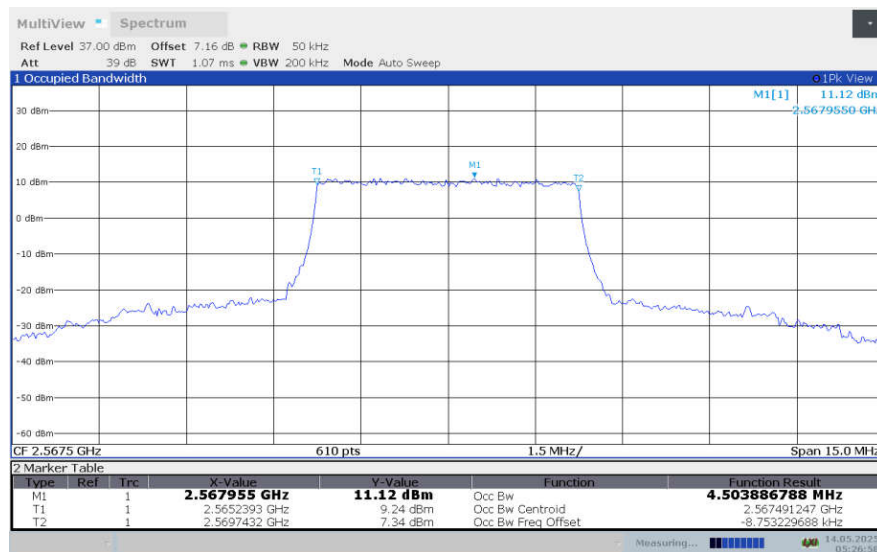
LTE band 7 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



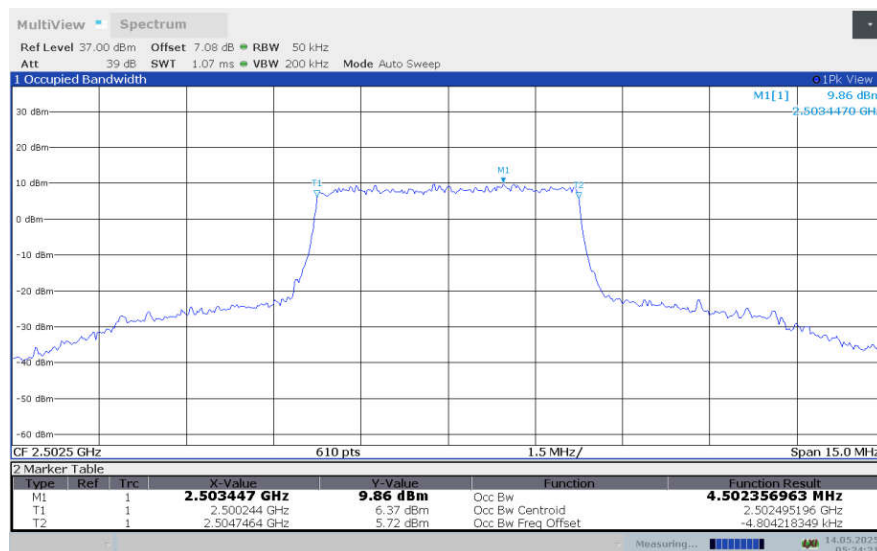
LTE band 7 , 5MHz Bandwidth,HIGH,16QAM (99% BW)



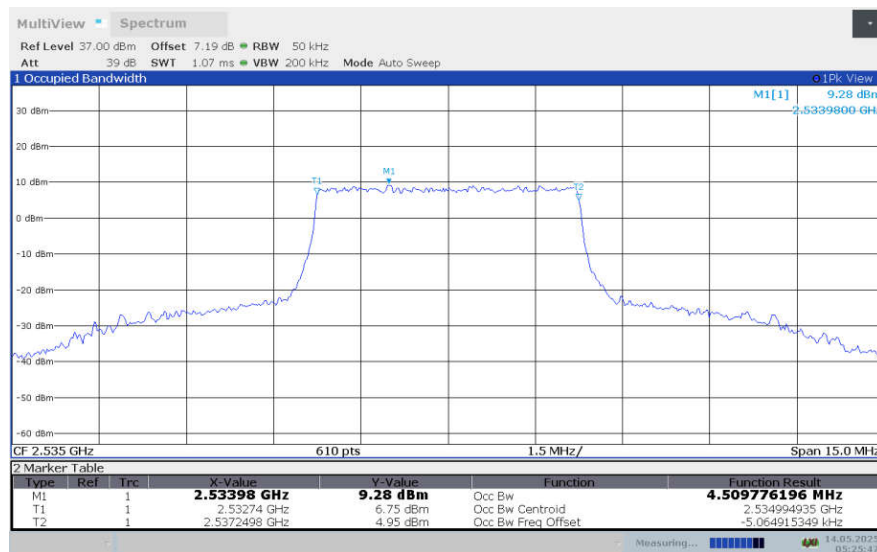
LTE band 7 , 5MHz Bandwidth,HIGH,64QAM (99% BW)



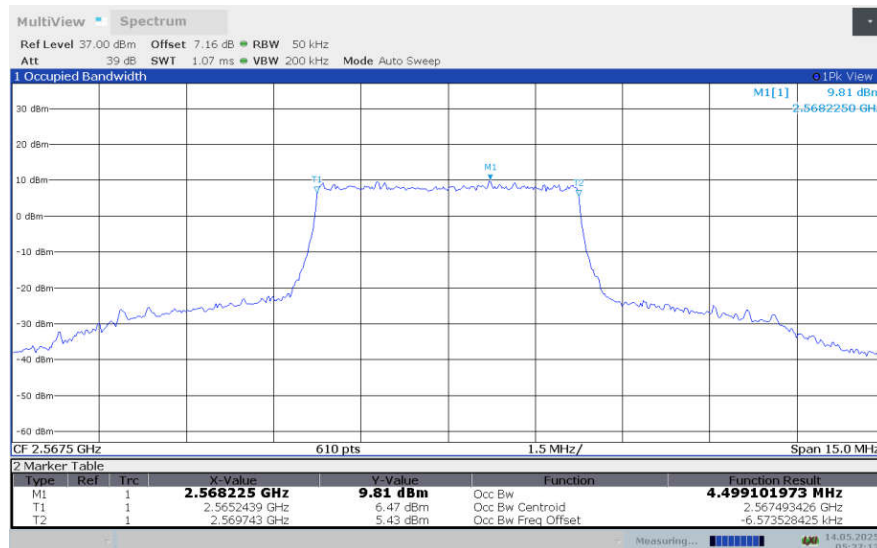
LTE band 7 , 5MHz Bandwidth,LOW,256QAM (99% BW)



LTE band 7 , 5MHz Bandwidth,MID,256QAM (99% BW)



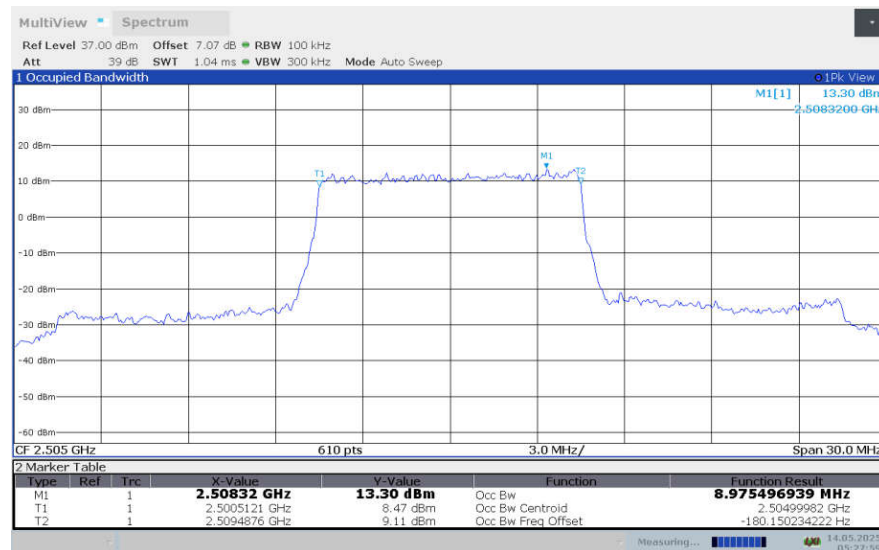
LTE band 7 , 5MHz Bandwidth,HIGH,256QAM (99% BW)



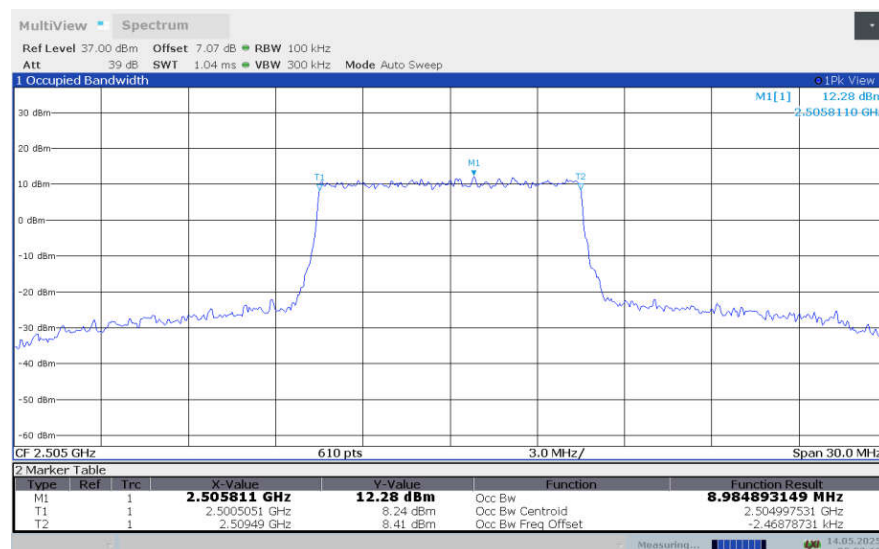
LTE band 7,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
2505	8.975	8.985	8.981	8.989
2535	8.979	9.006	8.987	8.986
2565	8.995	8.982	8.969	8.987

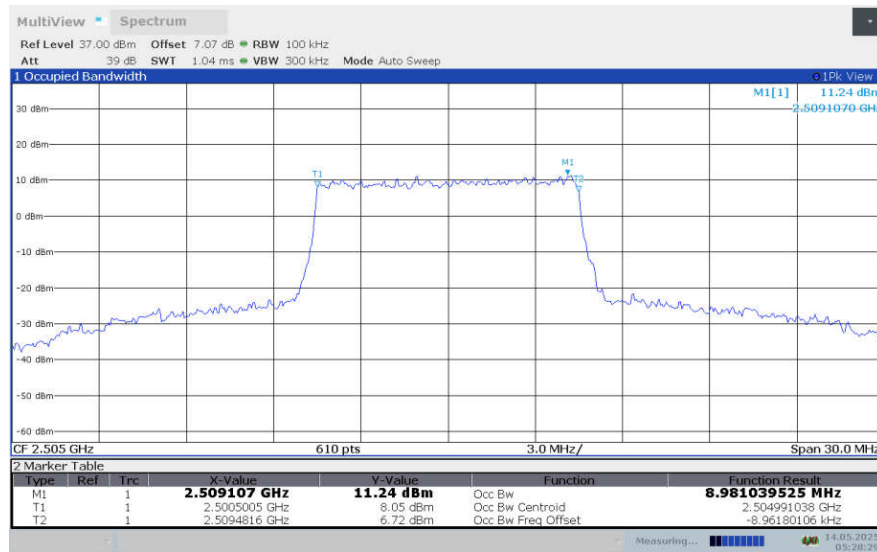
LTE band 7 , 10MHz Bandwidth,LOW,QPSK (99% BW)



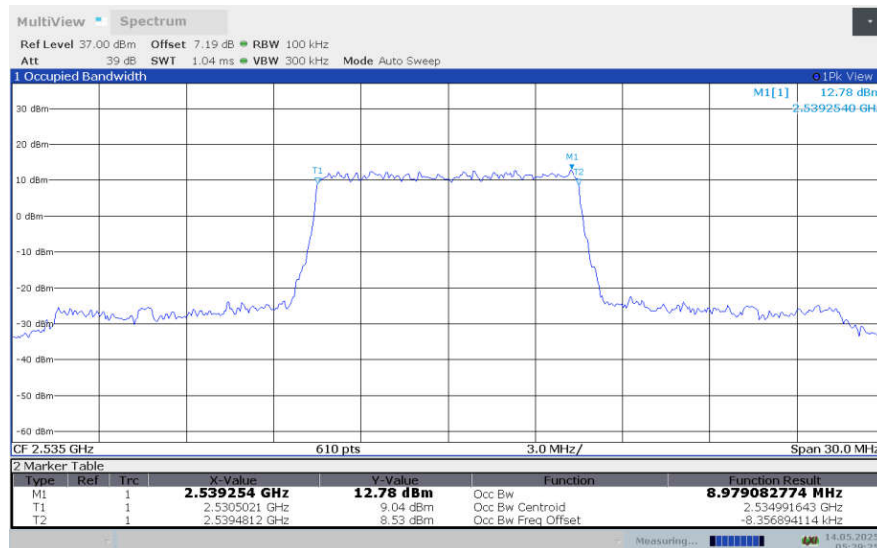
LTE band 7 , 10MHz Bandwidth,LOW,16QAM (99% BW)



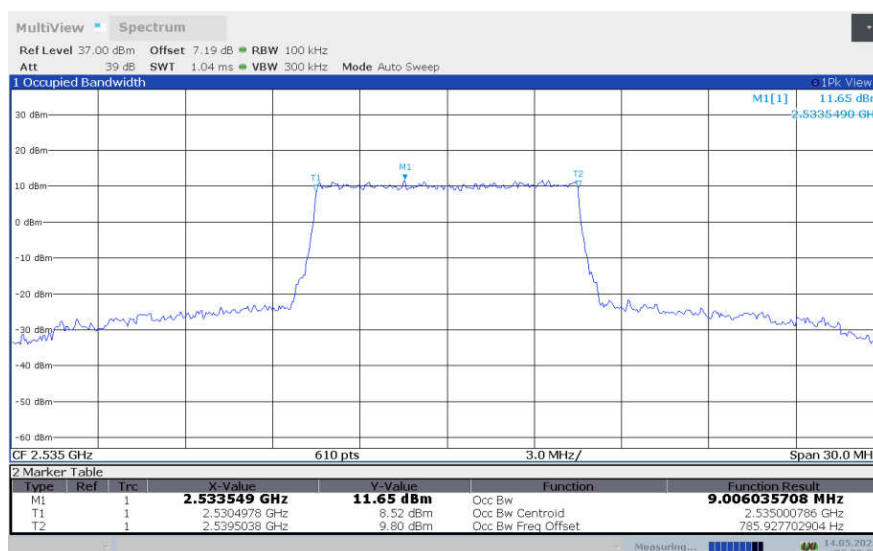
LTE band 7 , 10MHz Bandwidth,LOW,64QAM (99% BW)



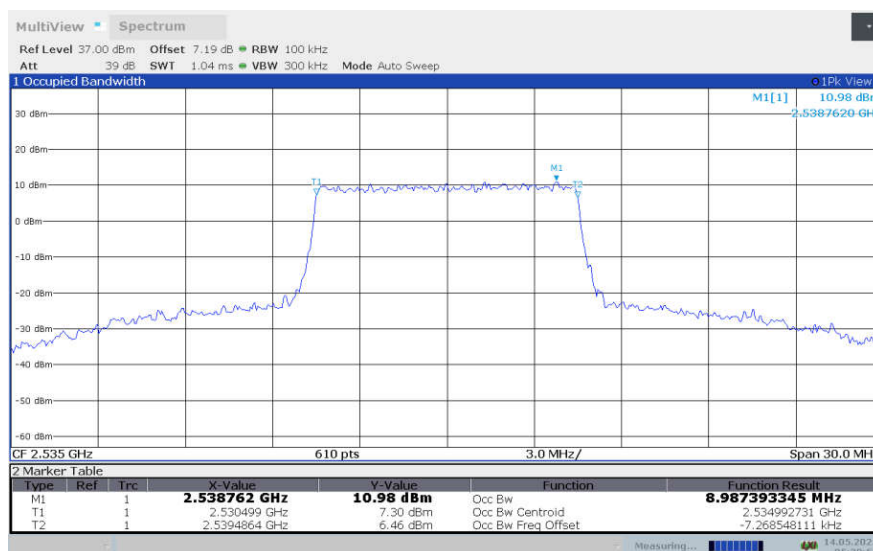
LTE band 7 , 10MHz Bandwidth,MID,QPSK (99% BW)



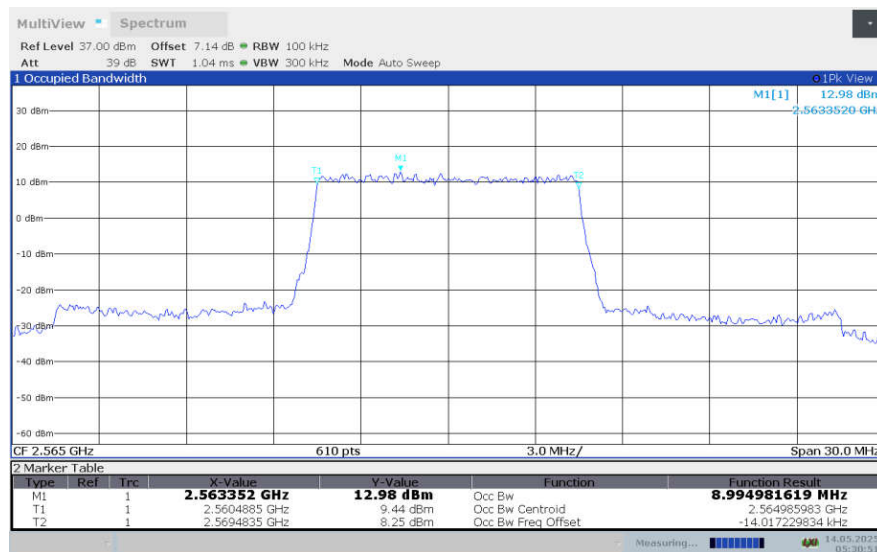
LTE band 7 , 10MHz Bandwidth,MID,16QAM (99% BW)



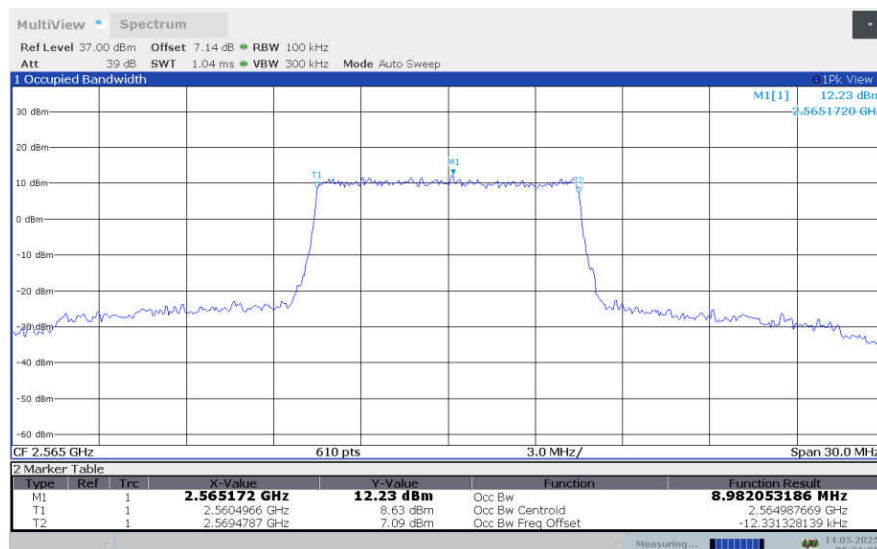
LTE band 7 , 10MHz Bandwidth,MID,64QAM (99% BW)



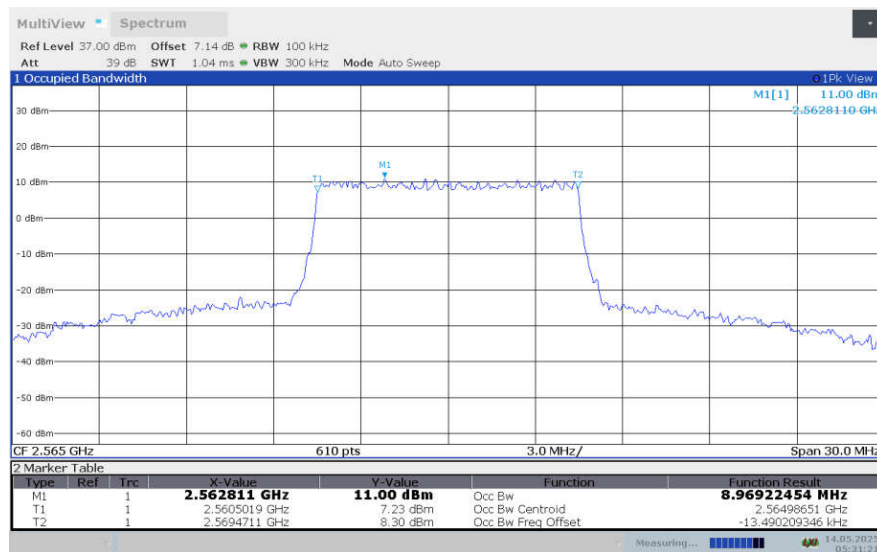
LTE band 7 , 10MHz Bandwidth,HIGH,QPSK (99% BW)



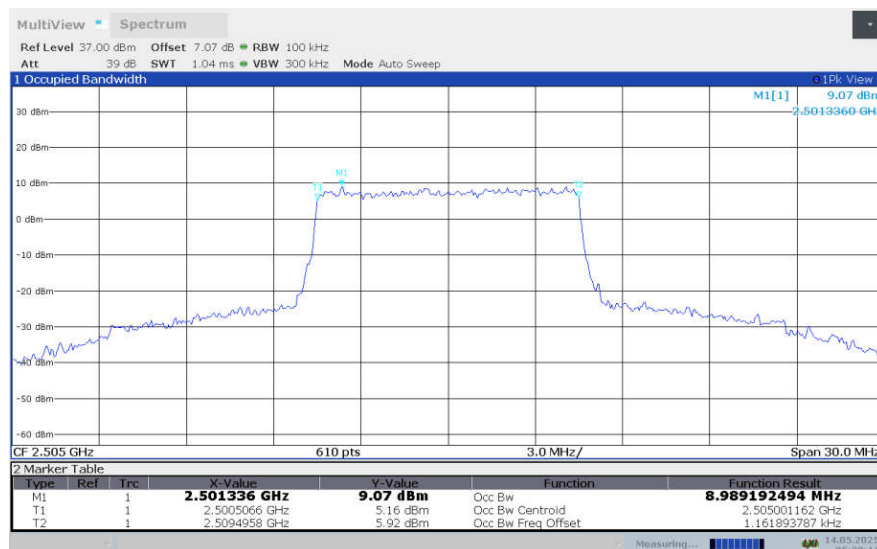
LTE band 7 , 10MHz Bandwidth,HIGH,16QAM (99% BW)



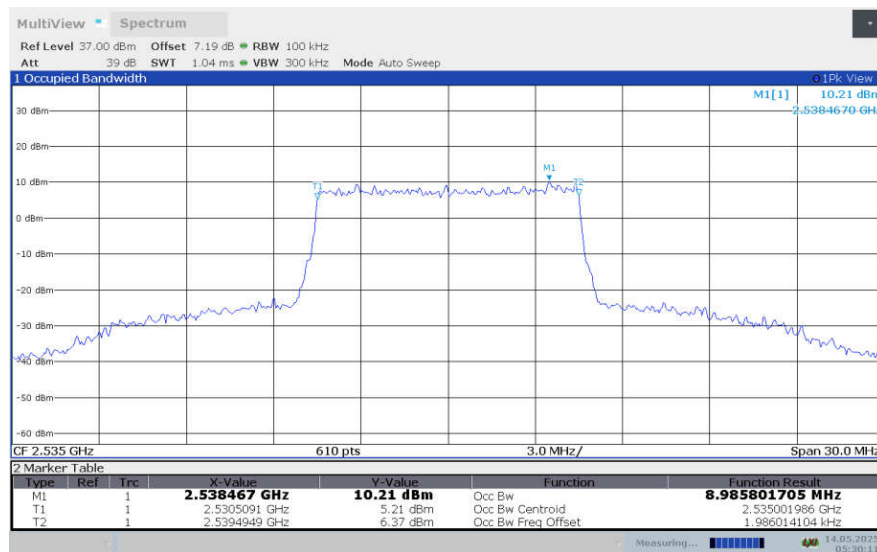
LTE band 7 , 10MHz Bandwidth,HIGH,64QAM (99% BW)



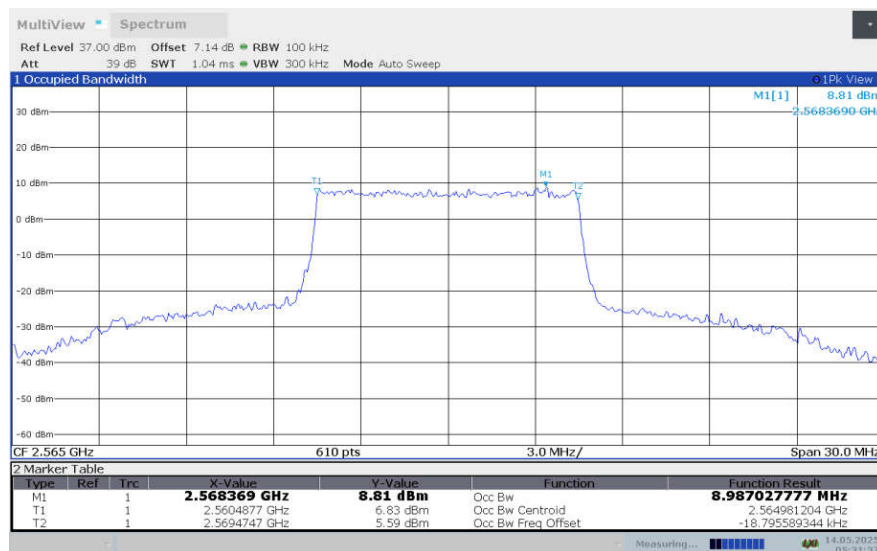
LTE band 7 , 10MHz Bandwidth,LOW,256QAM (99% BW)



LTE band 7 , 10MHz Bandwidth,MID,256QAM (99% BW)



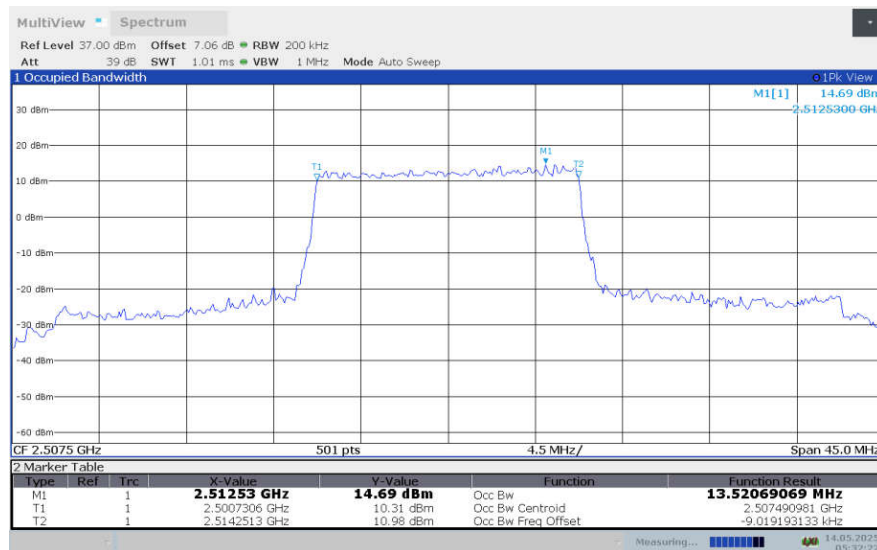
LTE band 7 , 10MHz Bandwidth,HIGH,256QAM (99% BW)



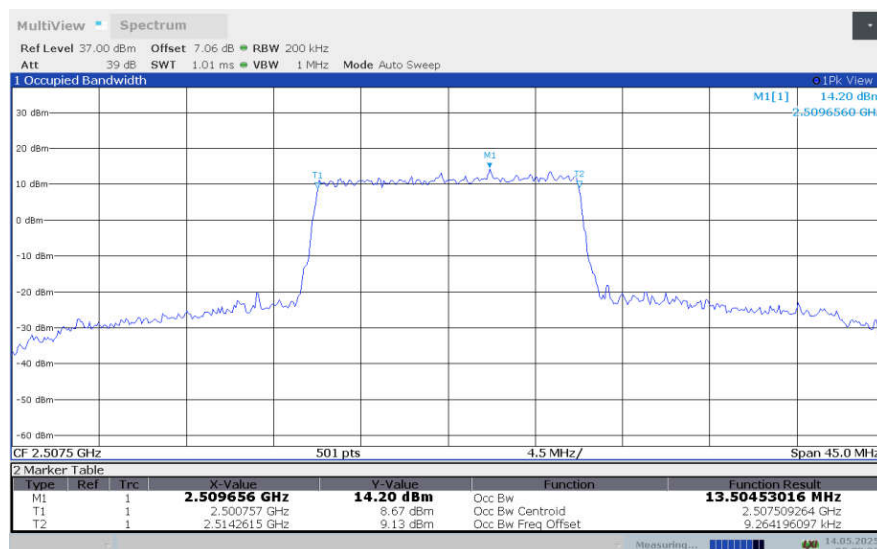
LTE band 7,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
2507.5	13.521	13.505	13.487	13.489
2535	13.506	13.513	13.509	13.501
2562.5	13.491	13.494	13.527	13.511

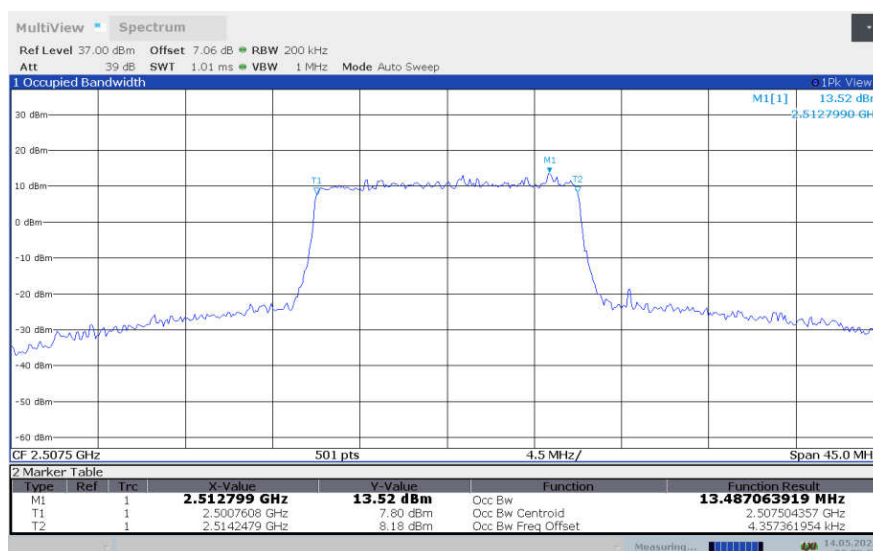
LTE band 7 , 15MHz Bandwidth,LOW,QPSK (99% BW)



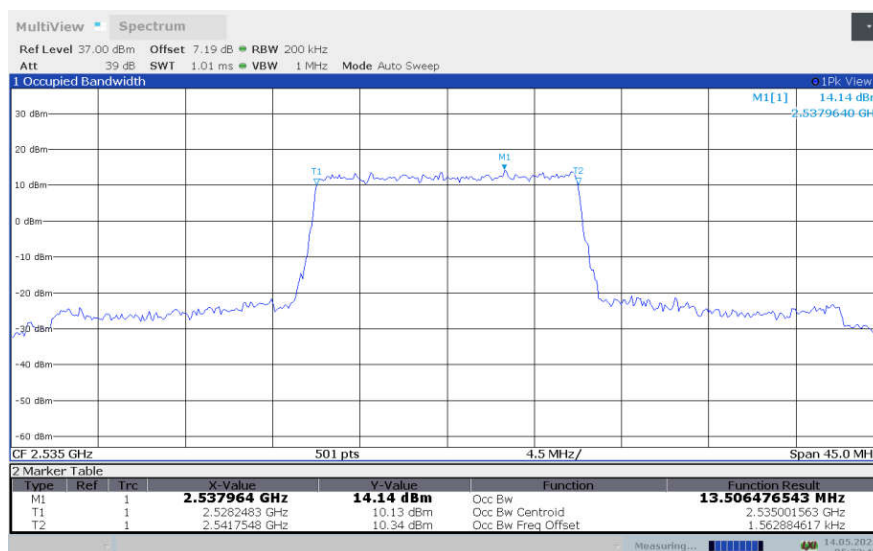
LTE band 7 , 15MHz Bandwidth,LOW,16QAM (99% BW)



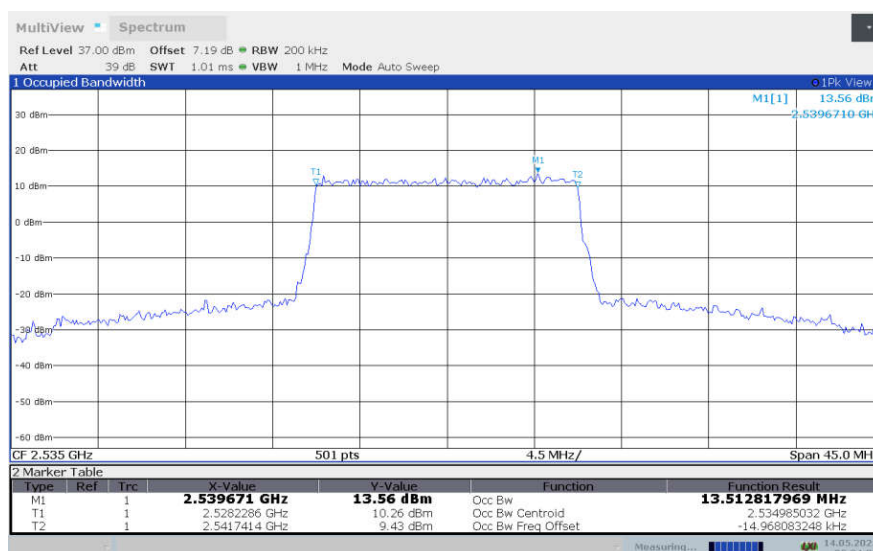
LTE band 7 , 15MHz Bandwidth,LOW,64QAM (99% BW)



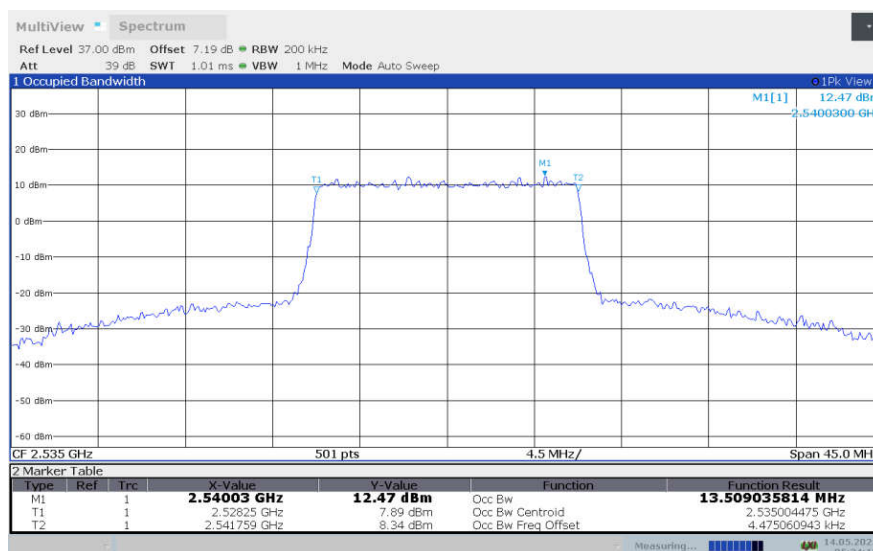
LTE band 7 , 15MHz Bandwidth,MID,QPSK (99% BW)



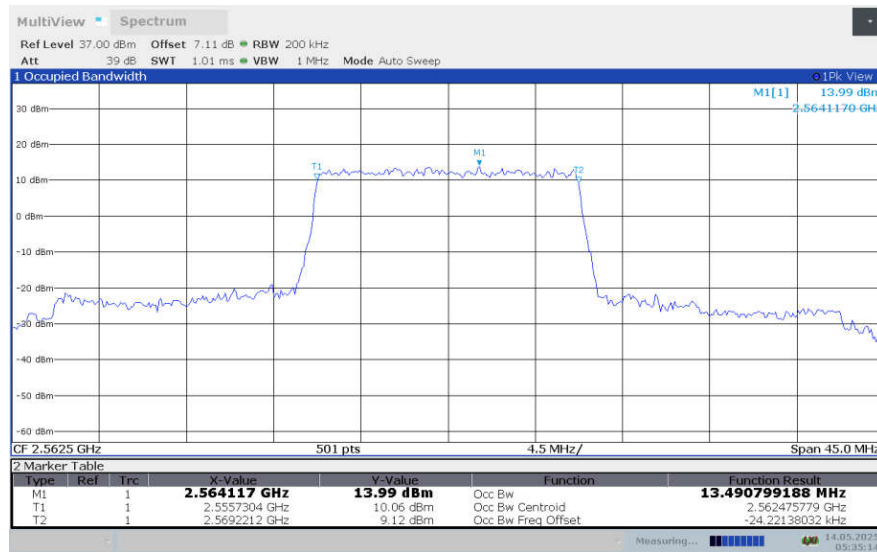
LTE band 7 , 15MHz Bandwidth,MID,16QAM (99% BW)



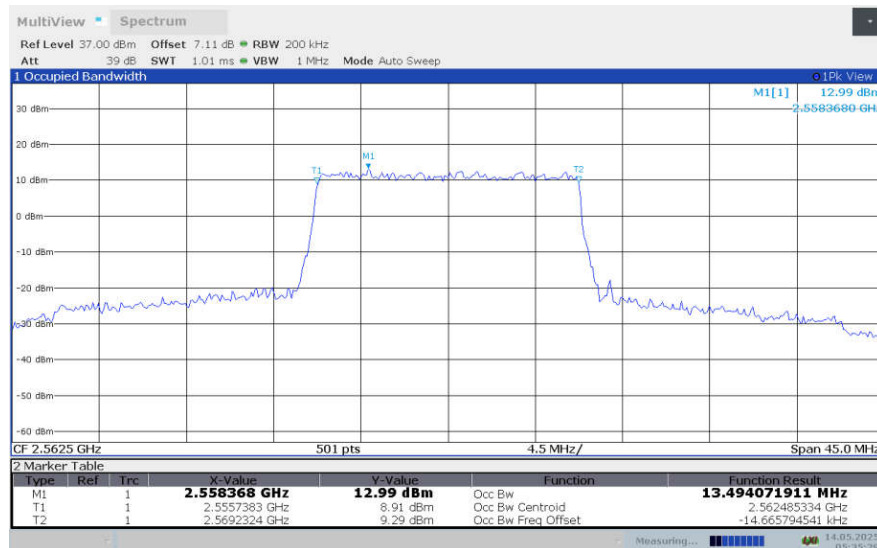
LTE band 7 , 15MHz Bandwidth,MID,64QAM (99% BW)



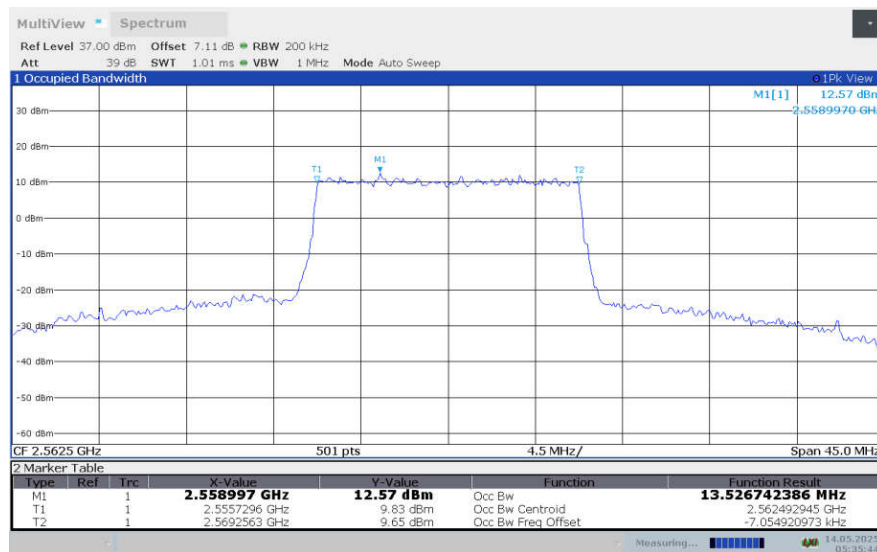
LTE band 7 , 15MHz Bandwidth,HIGH,QPSK (99% BW)



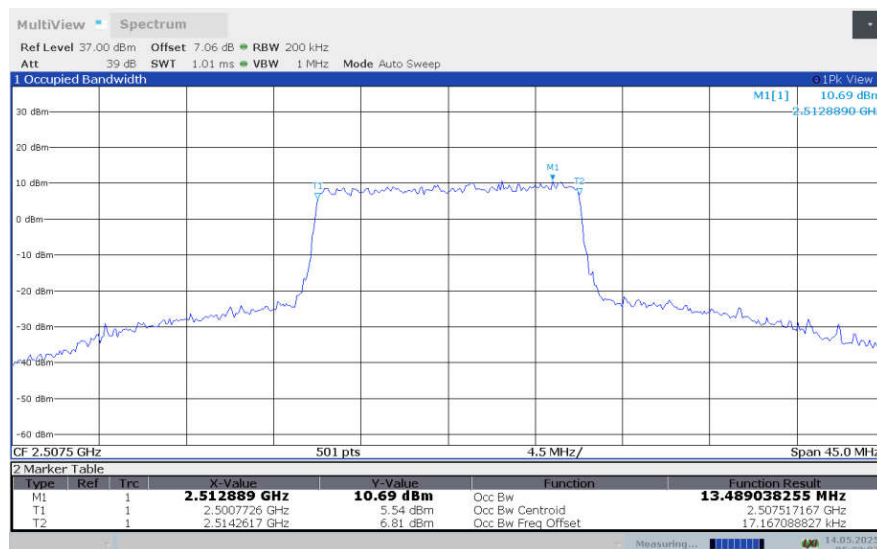
LTE band 7 , 15MHz Bandwidth,HIGH,16QAM (99% BW)



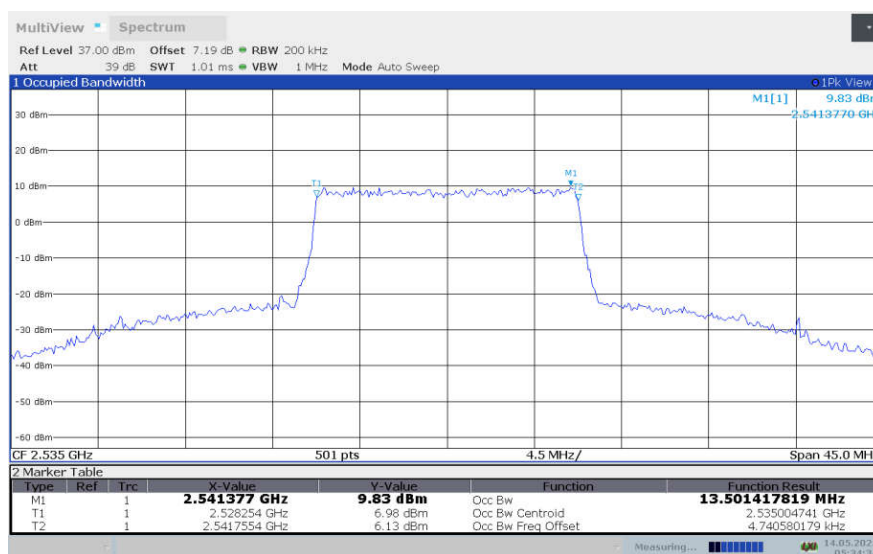
LTE band 7 , 15MHz Bandwidth,HIGH,64QAM (99% BW)



LTE band 7 , 15MHz Bandwidth,LOW,256QAM (99% BW)



LTE band 7 , 15MHz Bandwidth,MID,256QAM (99% BW)



LTE band 7 , 15MHz Bandwidth,HIGH,256QAM (99% BW)

