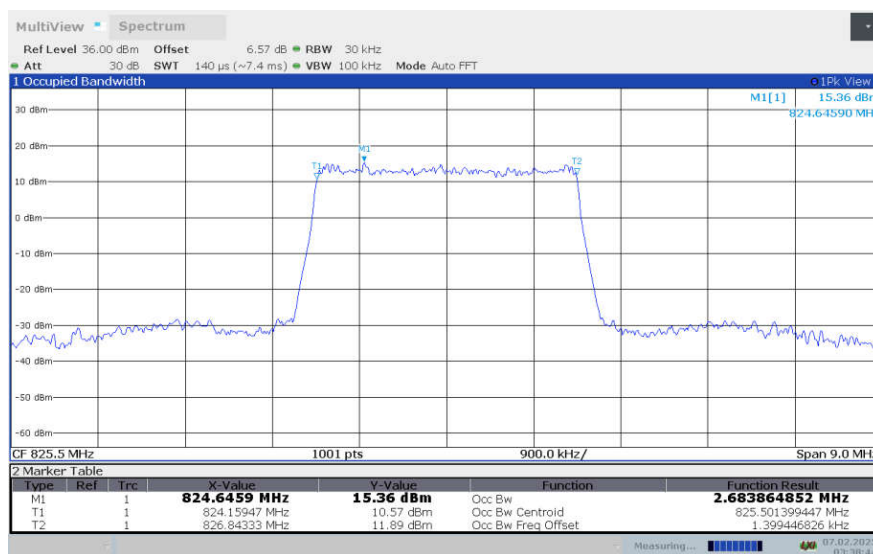


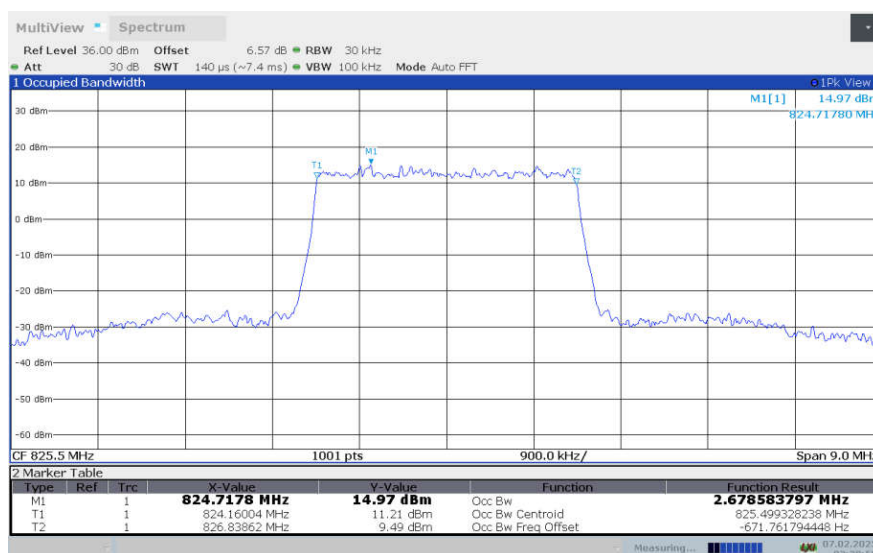
### LTE Band 5,3MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
825.5	2.684	2.679	2.685
836.5	2.688	2.684	2.682
847.5	2.682	2.681	2.678

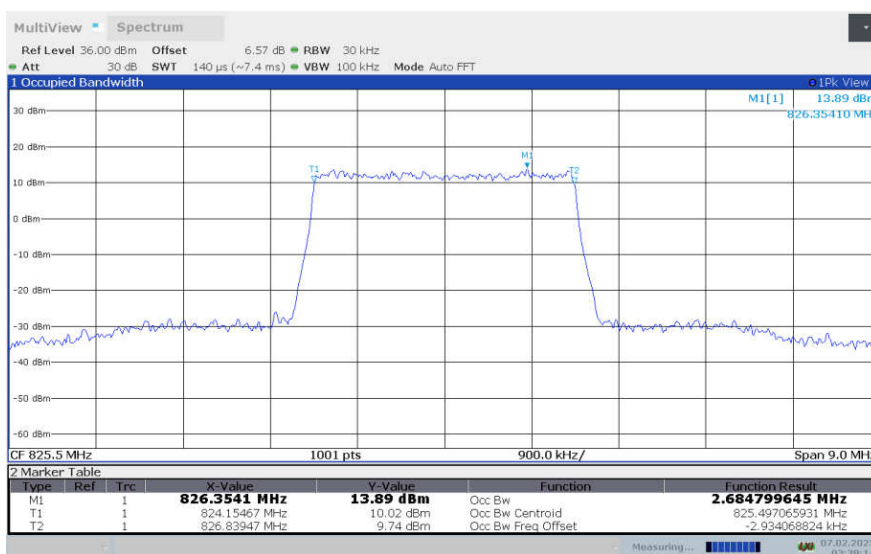
### LTE Band 5 , 3MHz Bandwidth,LOW,QPSK (99% OBW)



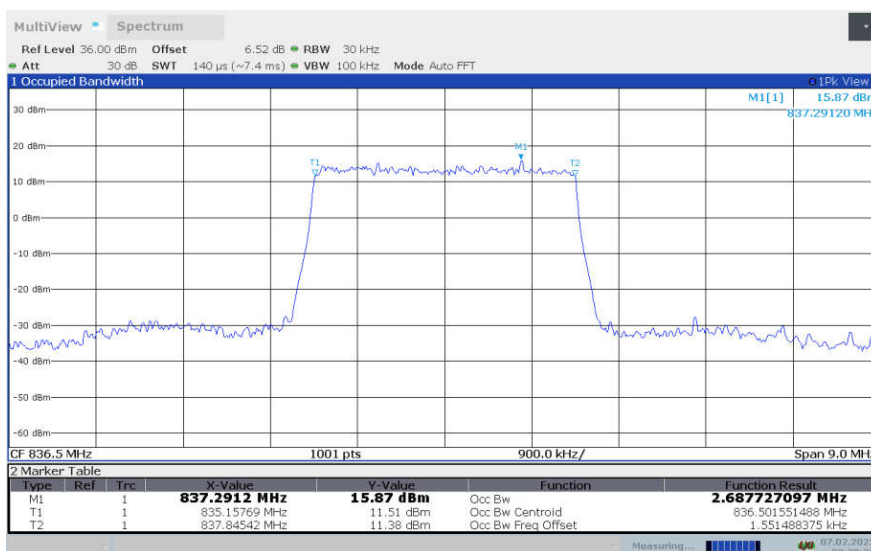
### LTE Band 5 , 3MHz Bandwidth,LOW,16QAM (99% OBW)



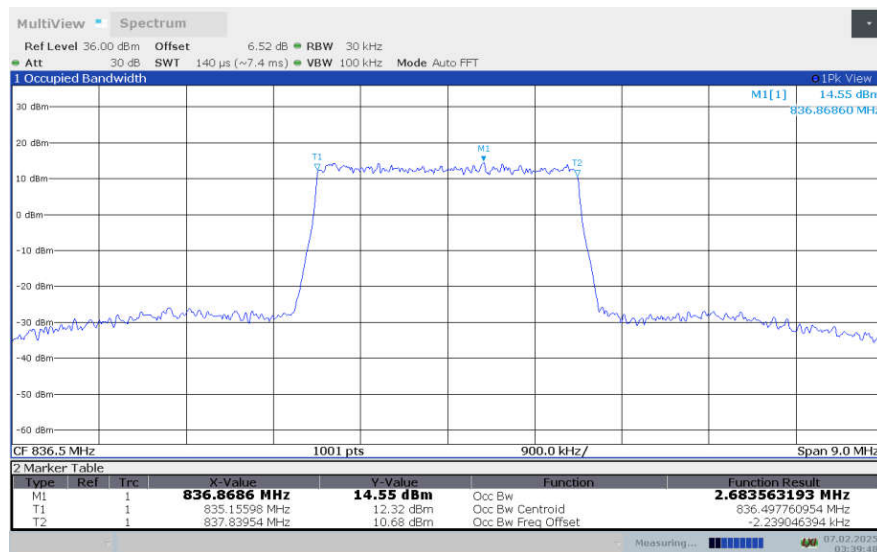
### LTE Band 5 , 3MHz Bandwidth,LOW,64QAM (99% OBW)



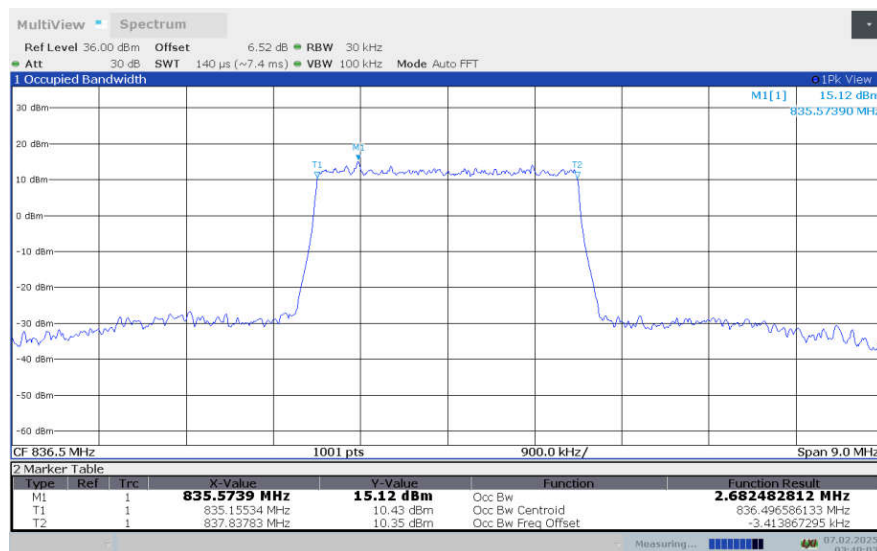
### LTE Band 5 , 3MHz Bandwidth,MID,QPSK (99% OBW)



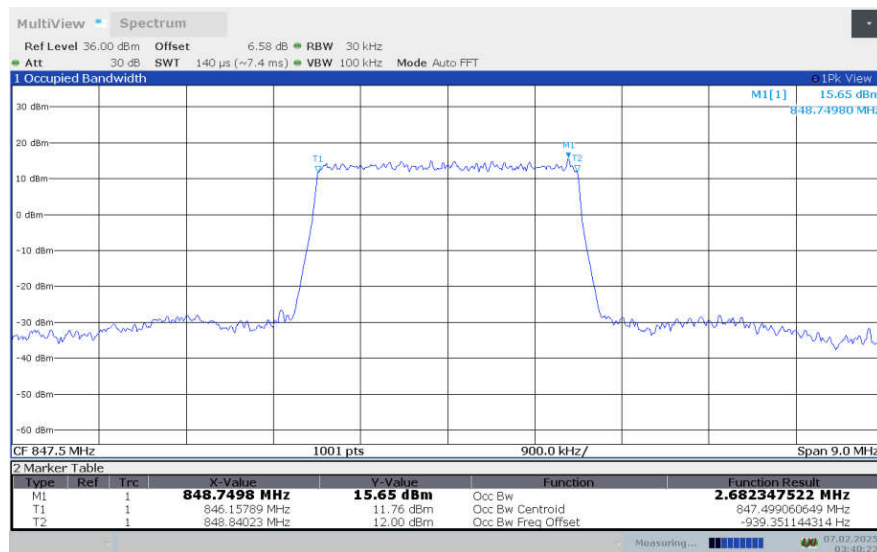
### LTE Band 5 , 3MHz Bandwidth,MID,16QAM (99% OBW)



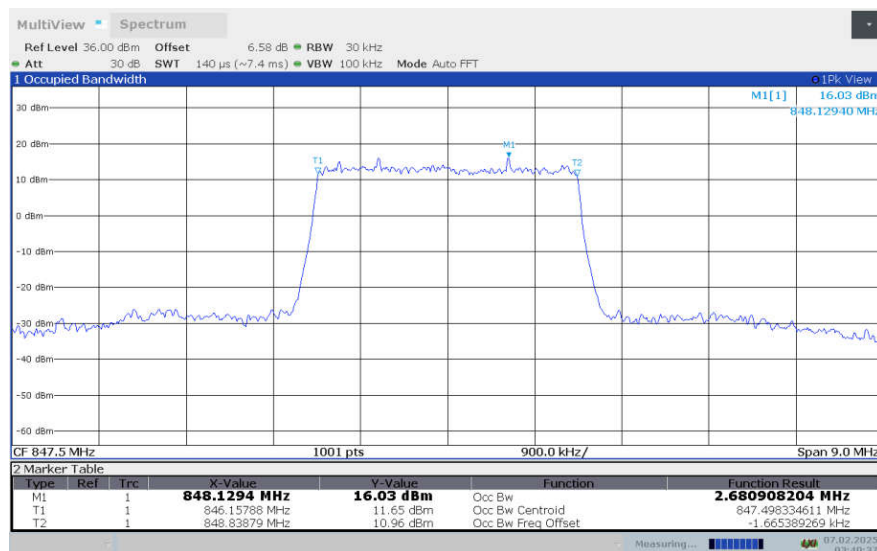
### LTE Band 5 , 3MHz Bandwidth,MID,64QAM (99% OBW)



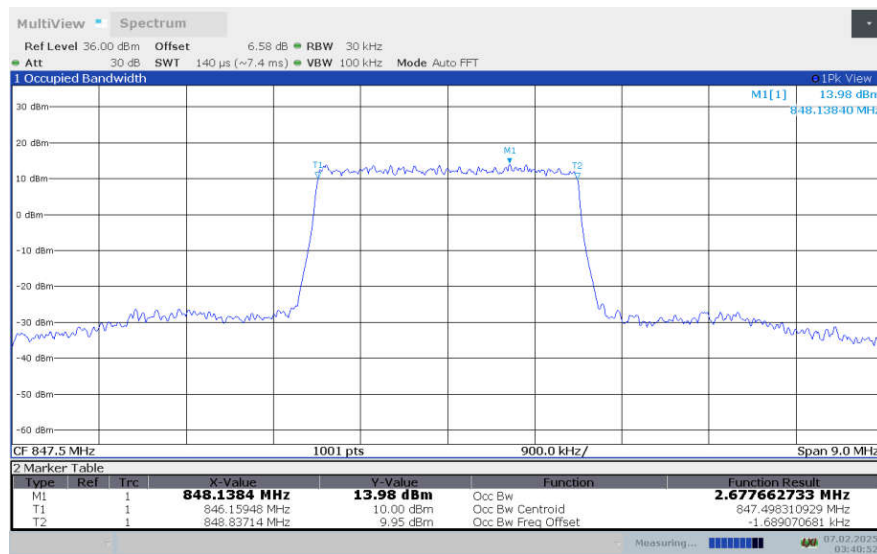
### LTE Band 5 , 3MHz Bandwidth,HIGH,QPSK (99% OBW)



### LTE Band 5 , 3MHz Bandwidth,HIGH,16QAM (99% OBW)



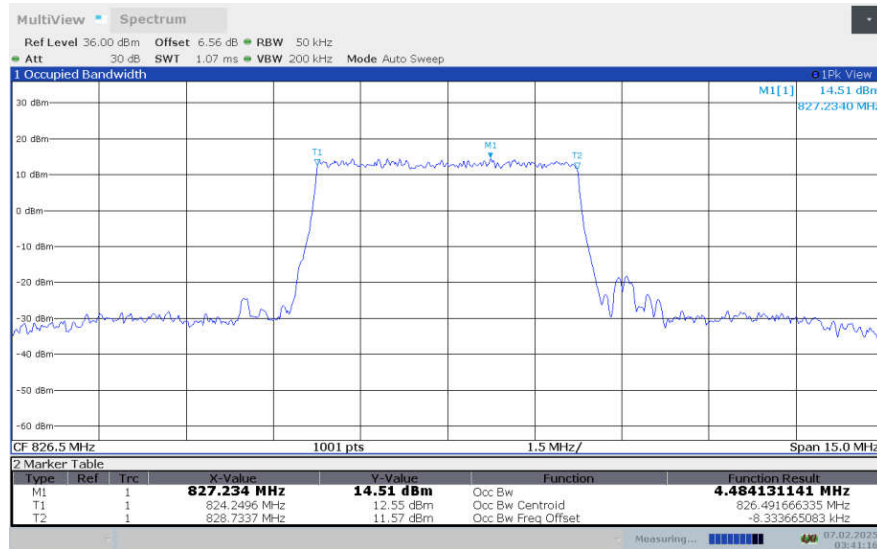
### LTE Band 5 , 3MHz Bandwidth,HIGH,64QAM (99% OBW)



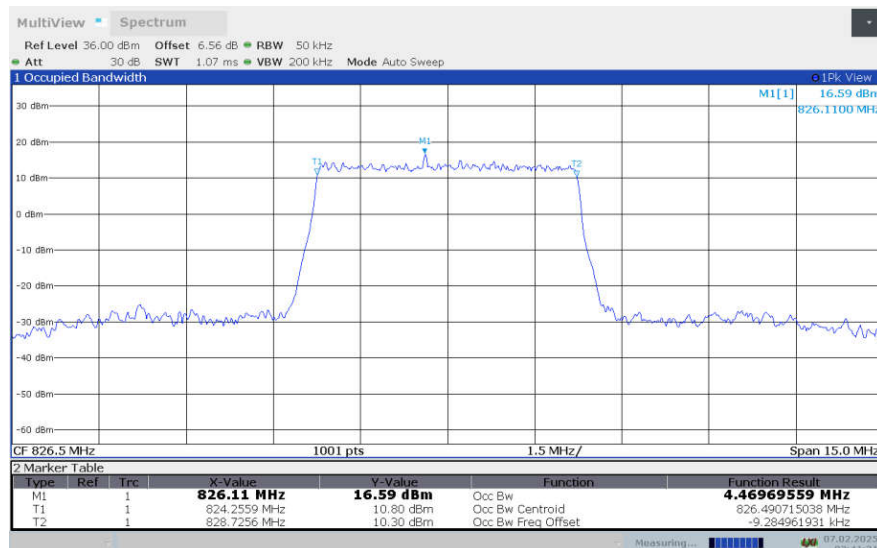
### LTE Band 5,5MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
826.5	4.484	4.470	4.471
836.5	4.483	4.483	4.475
846.5	4.466	4.474	4.470

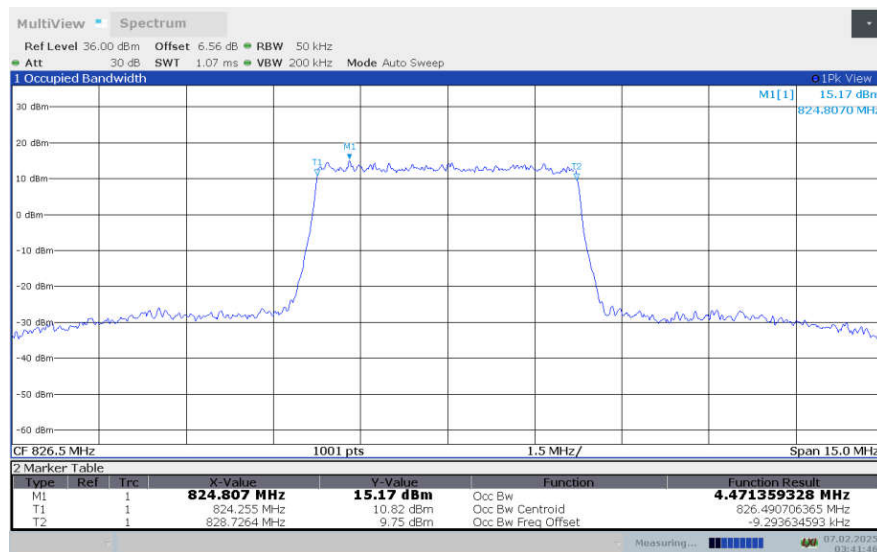
### LTE Band 5 , 5MHz Bandwidth,LOW,QPSK (99% OBW)



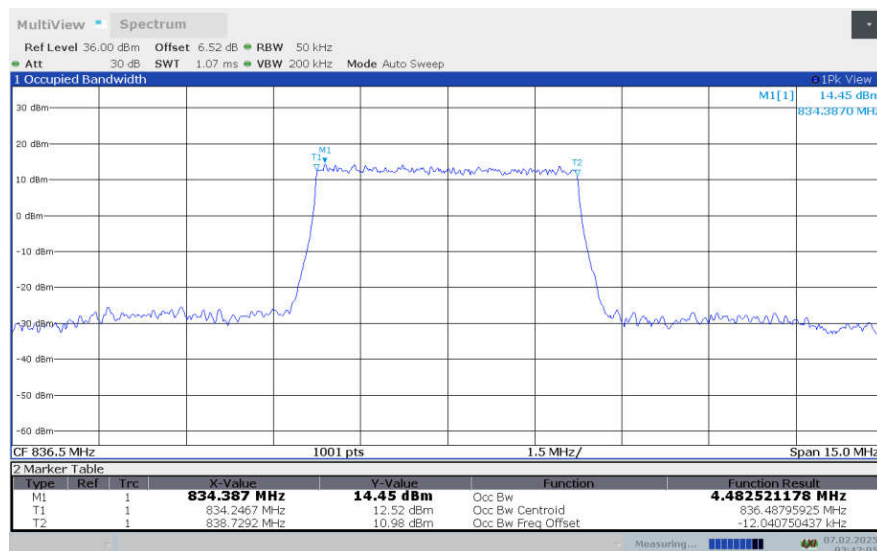
### LTE Band 5 , 5MHz Bandwidth,LOW,16QAM (99% OBW)



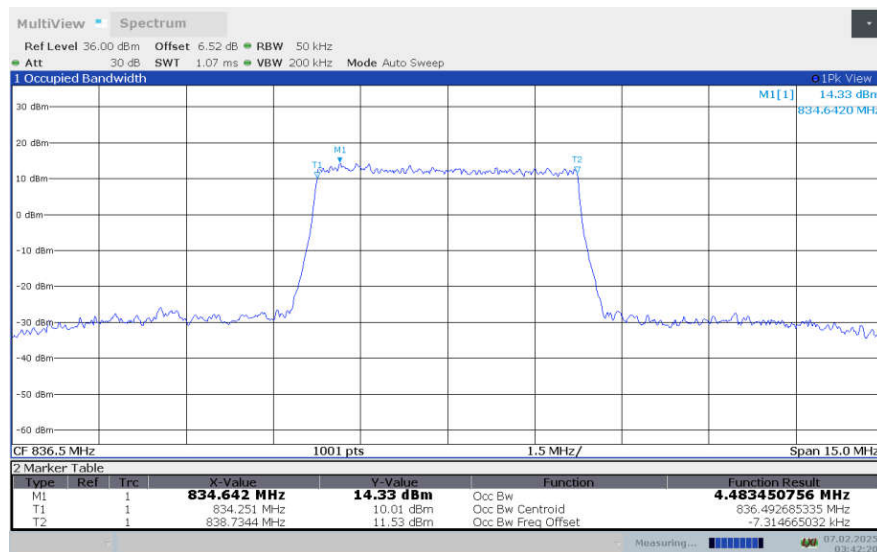
### LTE Band 5 , 5MHz Bandwidth,LOW,64QAM (99% OBW)



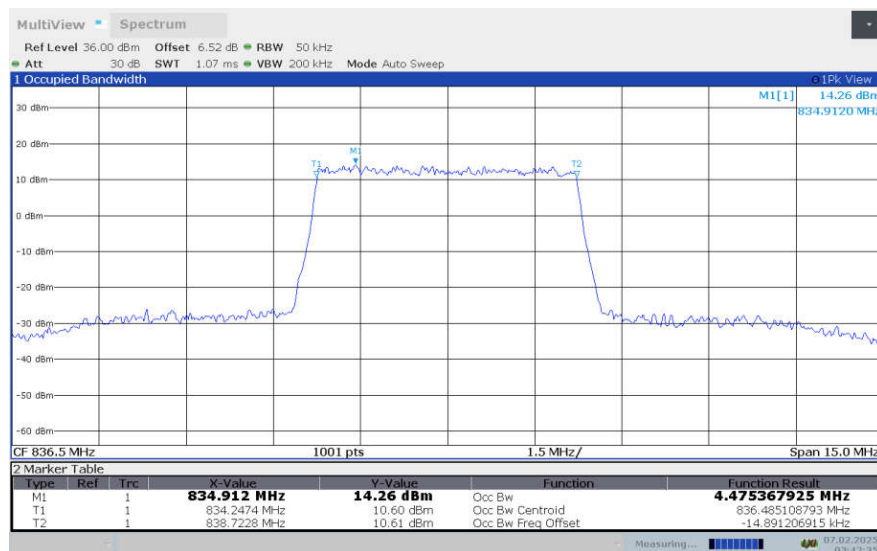
### LTE Band 5 , 5MHz Bandwidth,MID,QPSK (99% OBW)



### LTE Band 5 , 5MHz Bandwidth,MID,16QAM (99% OBW)

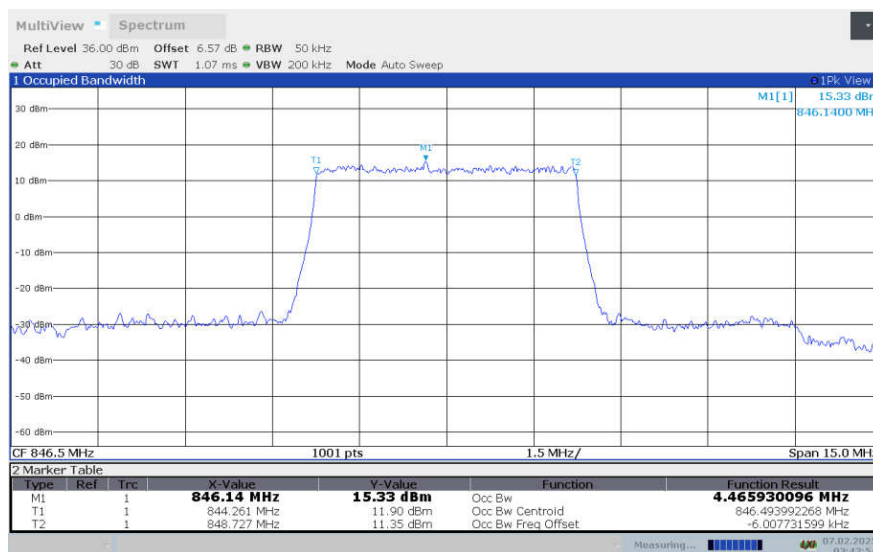


### LTE Band 5 , 5MHz Bandwidth,MID,64QAM (99% OBW)

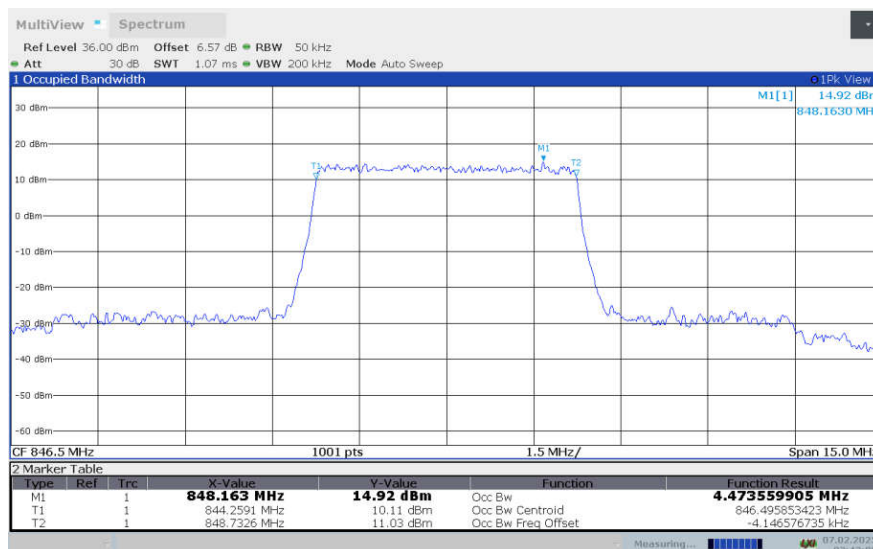


### LTE Band 5 , 5MHz Bandwidth,HIGH,QPSK (99% OBW)

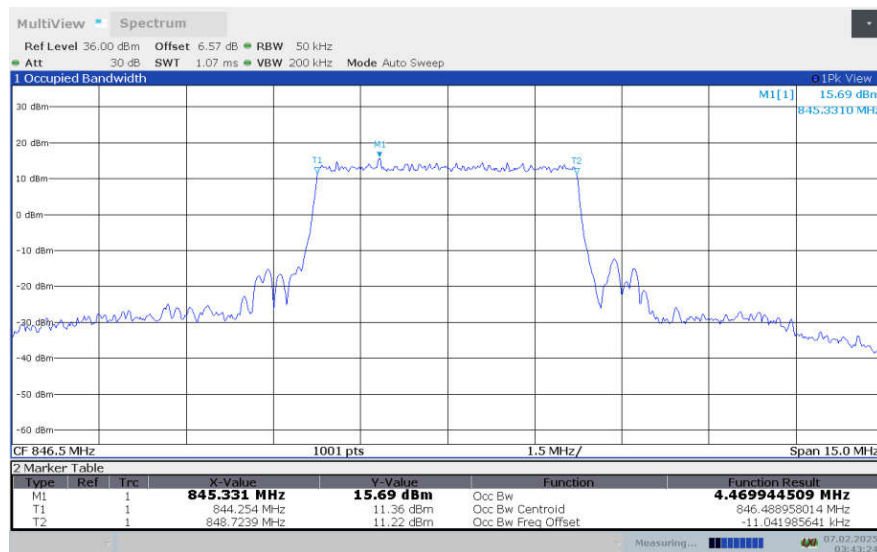




### LTE Band 5 , 5MHz Bandwidth,HIGH,16QAM (99% OBW)



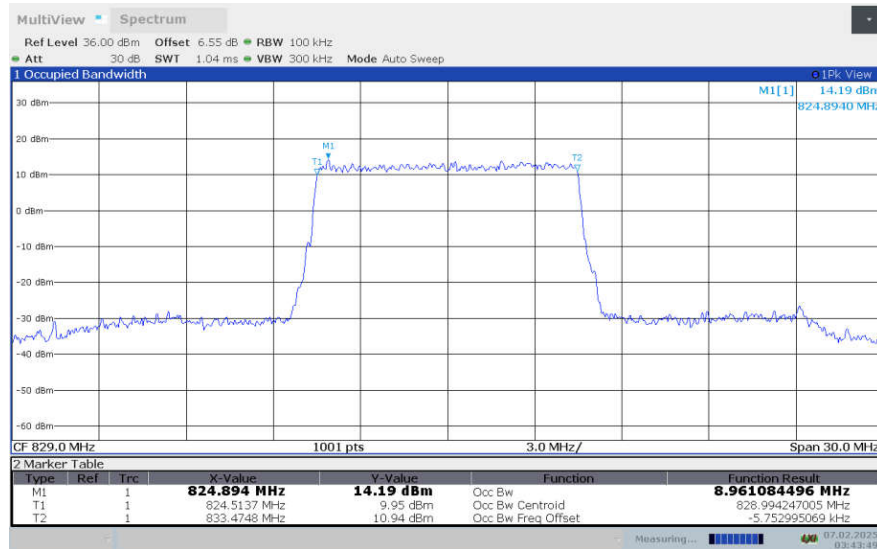
### LTE Band 5 , 5MHz Bandwidth,HIGH,64QAM (99% OBW)



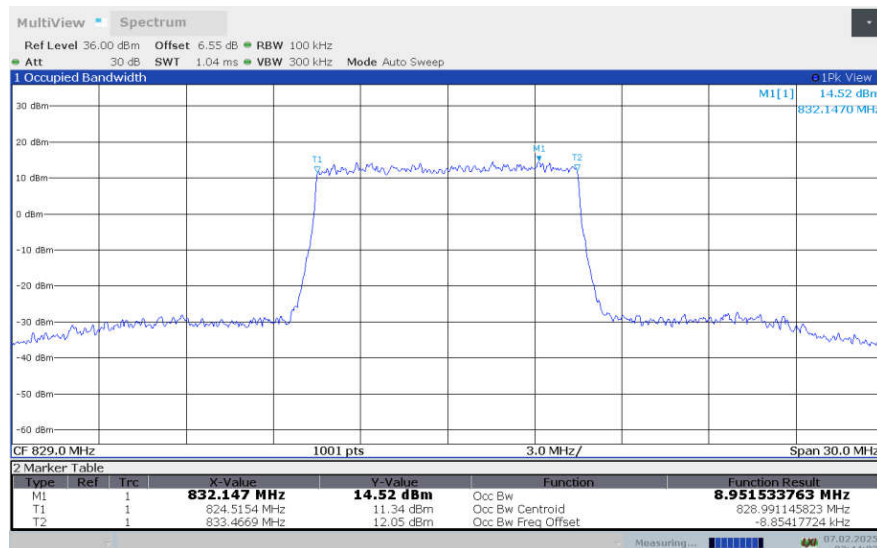
### LTE Band 5,10MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
829	8.961	8.952	8.954
836.5	8.937	8.946	8.927
844	8.950	8.953	8.935

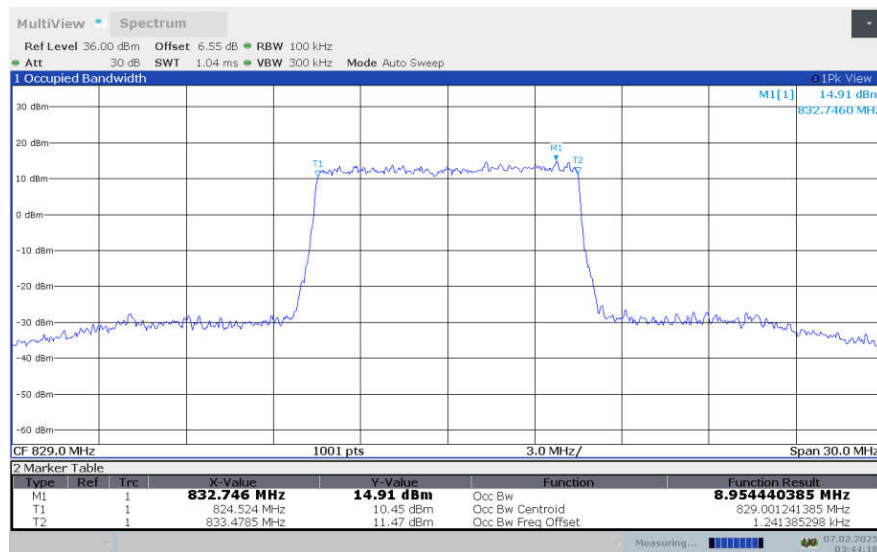
### LTE Band 5 , 10MHz Bandwidth,LOW,QPSK (99% OBW)



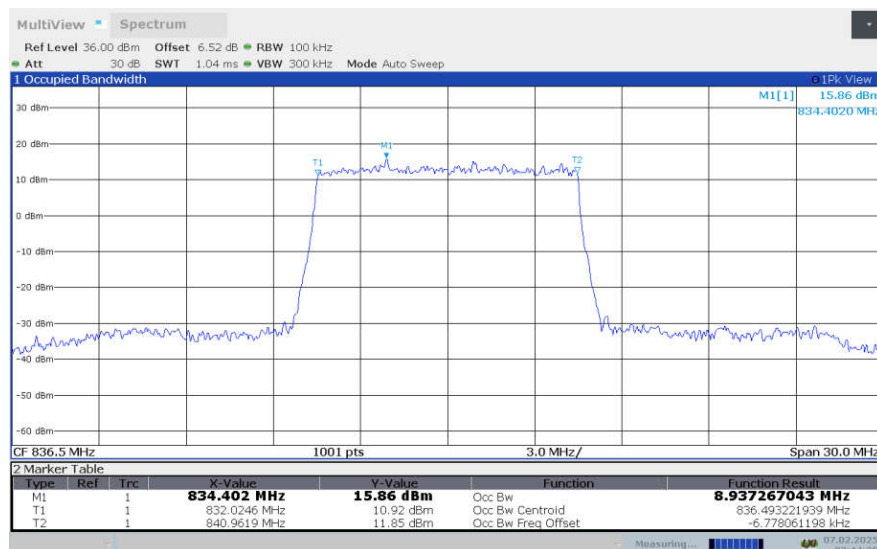
### LTE Band 5 , 10MHz Bandwidth,LOW,16QAM (99% OBW)



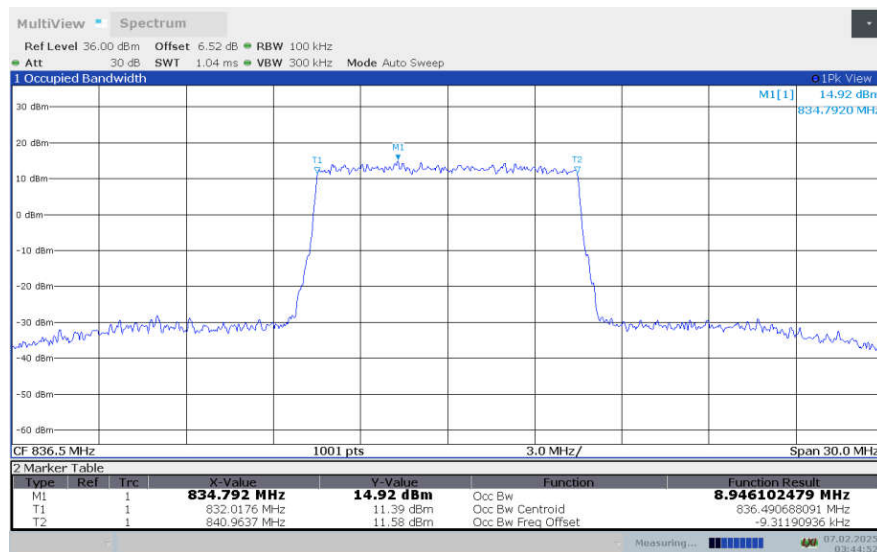
### LTE Band 5 , 10MHz Bandwidth,LOW,64QAM (99% OBW)



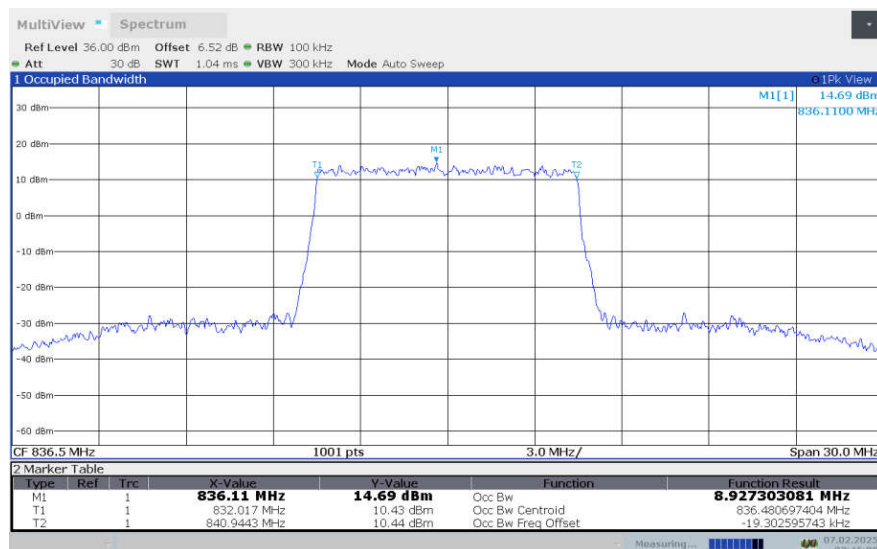
### LTE Band 5 , 10MHz Bandwidth,MID,QPSK (99% OBW)



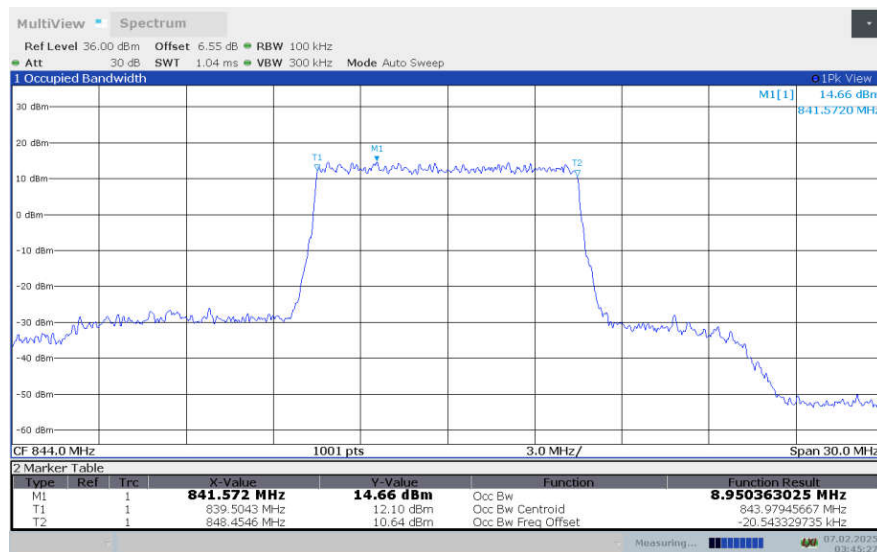
### LTE Band 5 , 10MHz Bandwidth,MID,16QAM (99% OBW)



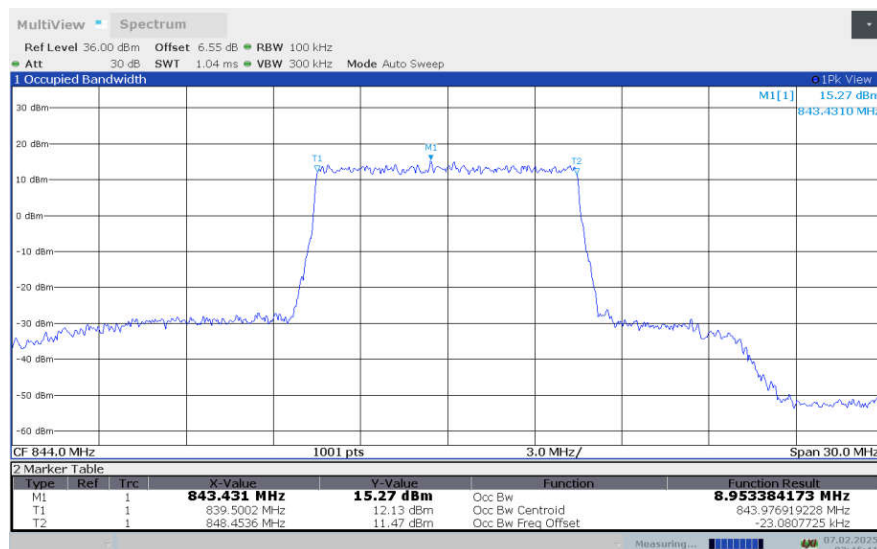
### LTE Band 5 , 10MHz Bandwidth,MID,64QAM (99% OBW)



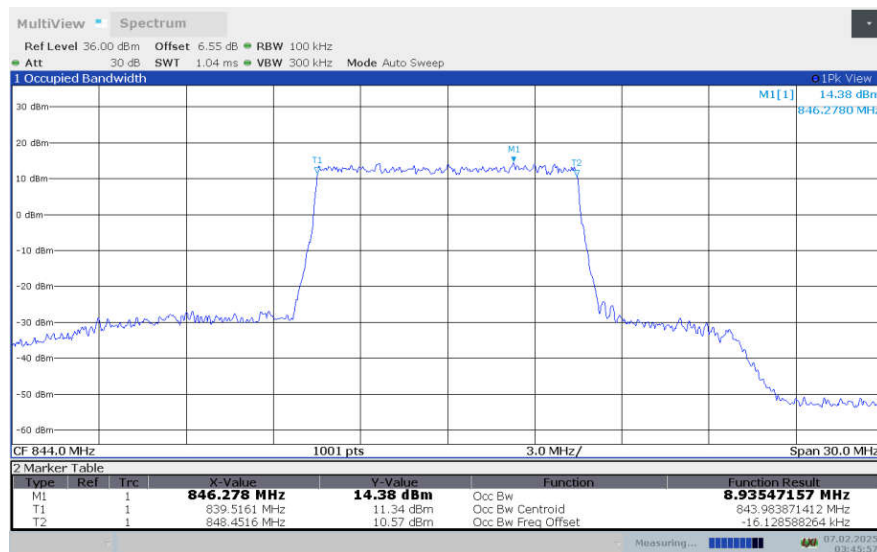
### LTE Band 5 , 10MHz Bandwidth,HIGH,QPSK (99% OBW)



### LTE Band 5 , 10MHz Bandwidth,HIGH,16QAM (99% OBW)



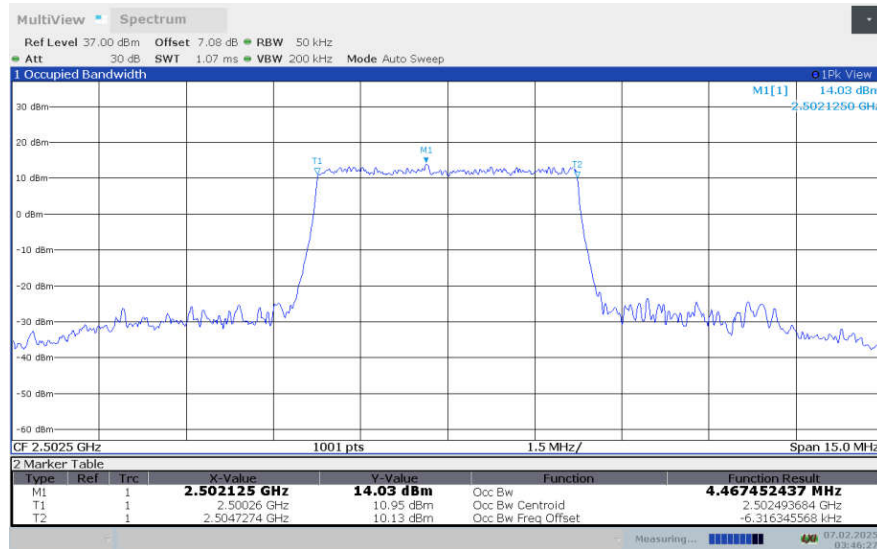
### LTE Band 5 , 10MHz Bandwidth,HIGH,64QAM (99% OBW)



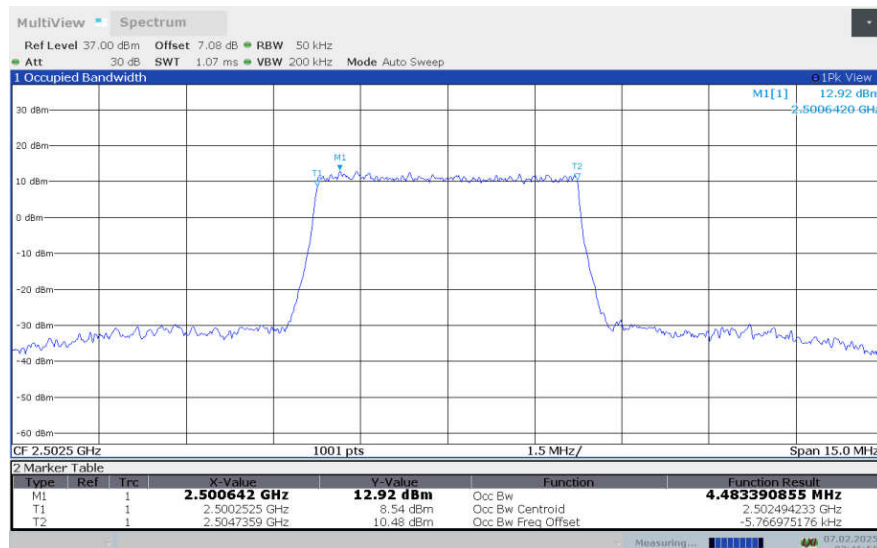
### LTE Band 7,5MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
2502.5	4.467	4.483	4.476
2535	4.469	4.473	4.468
2567.5	4.484	4.468	4.470

### LTE Band 7 , 5MHz Bandwidth,LOW,QPSK (99% OBW)

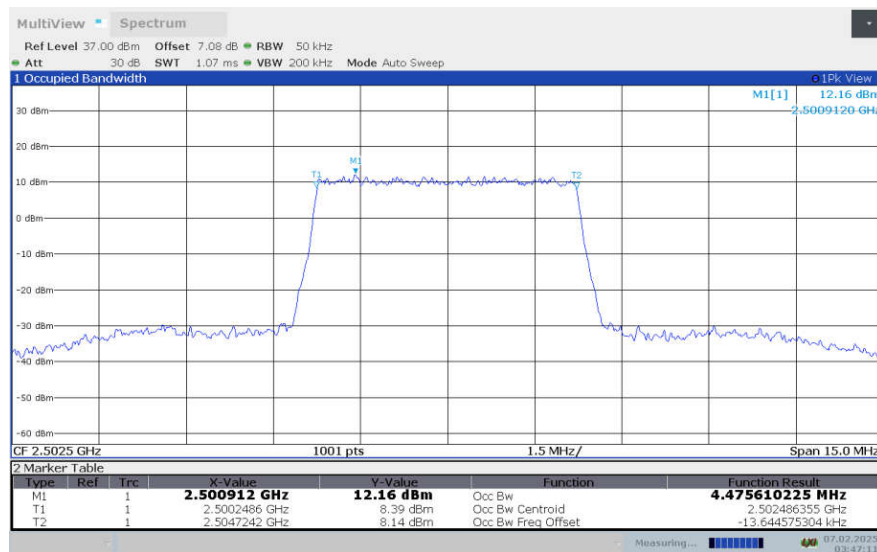


### LTE Band 7 , 5MHz Bandwidth,LOW,16QAM (99% OBW)

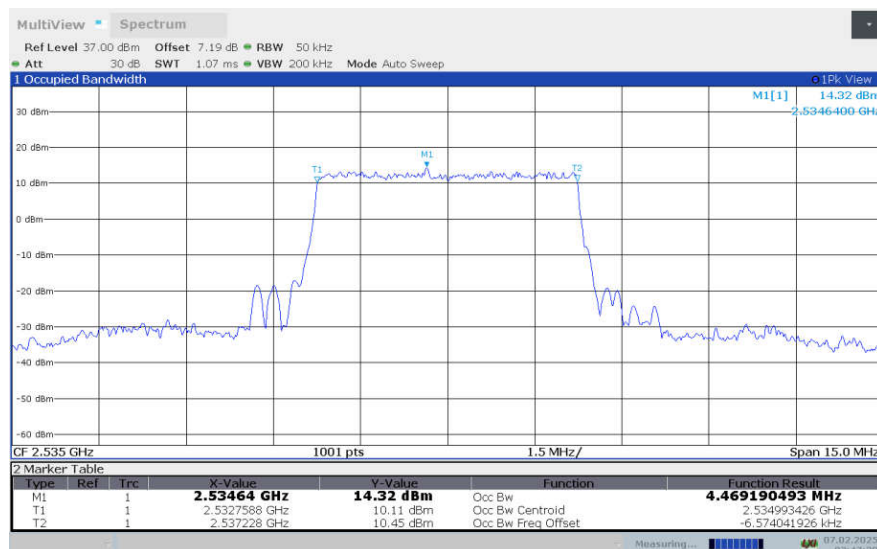


### LTE Band 7 , 5MHz Bandwidth,LOW,64QAM (99% OBW)

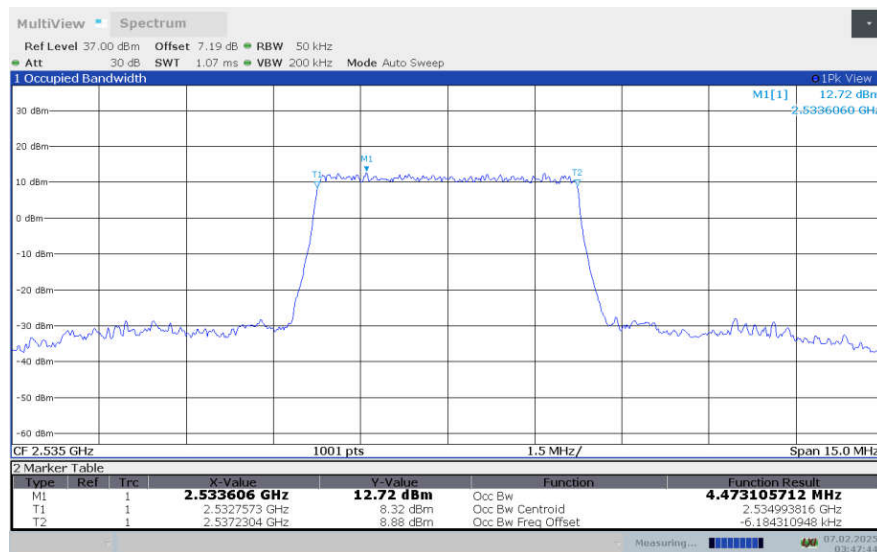




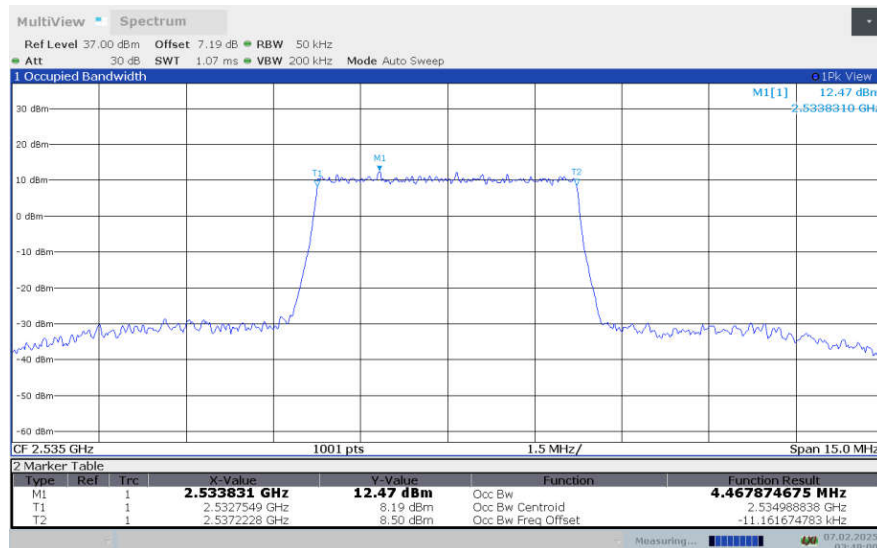
### LTE Band 7 , 5MHz Bandwidth,MID,QPSK (99% OBW)



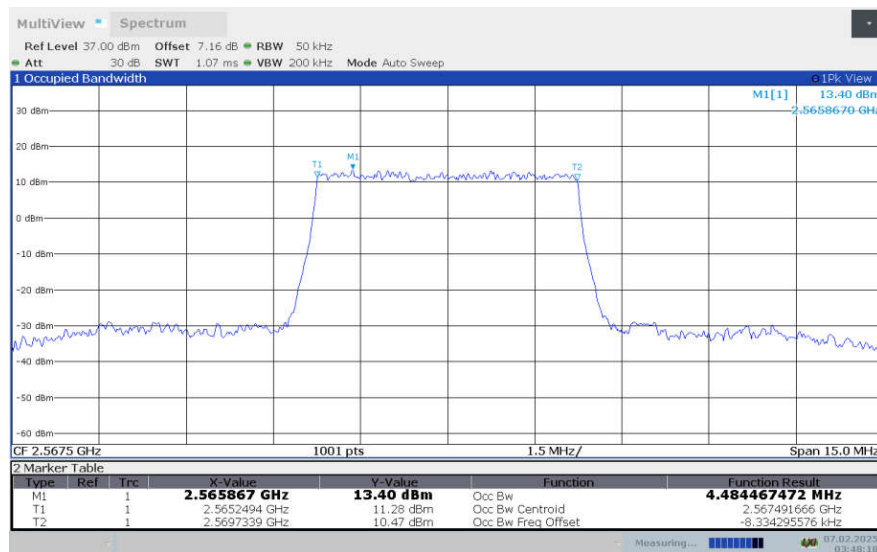
### LTE Band 7 , 5MHz Bandwidth,MID,16QAM (99% OBW)



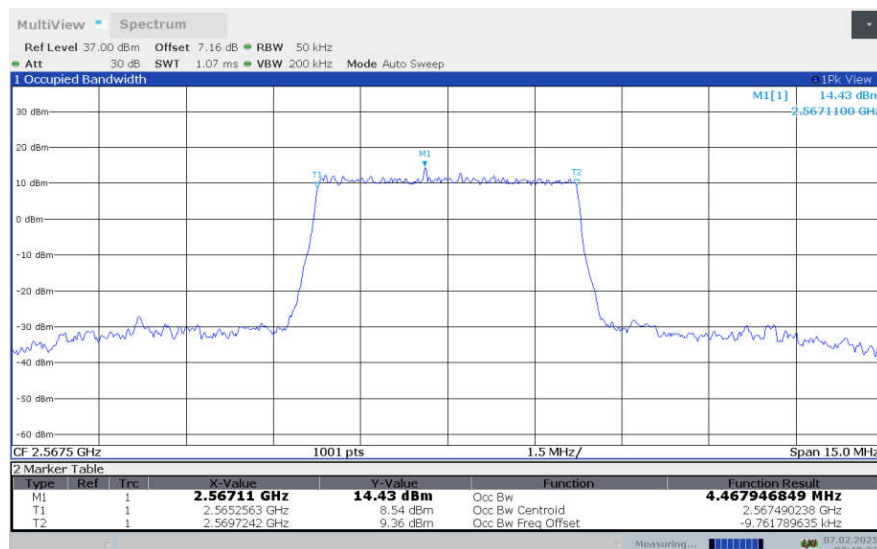
### LTE Band 7 , 5MHz Bandwidth,MID,64QAM (99% OBW)



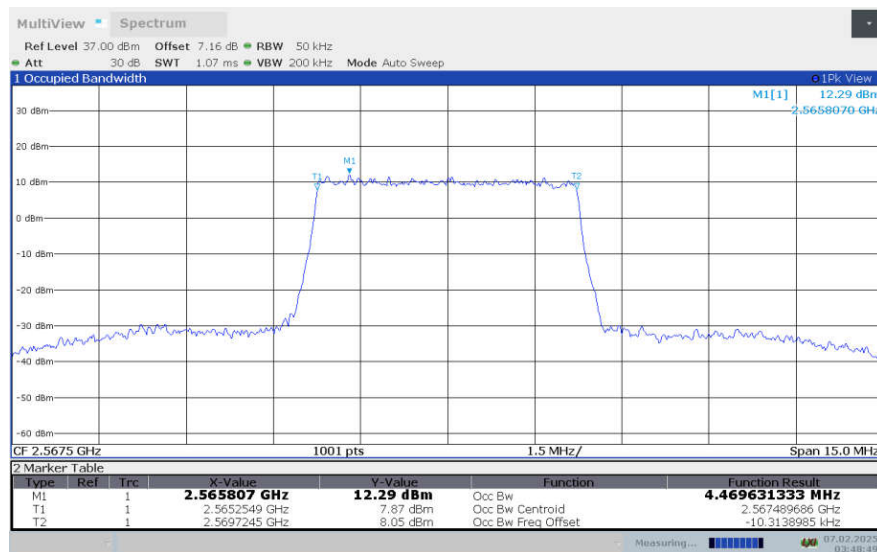
### LTE Band 7 , 5MHz Bandwidth,HIGH,QPSK (99% OBW)



### LTE Band 7 , 5MHz Bandwidth,HIGH,16QAM (99% OBW)



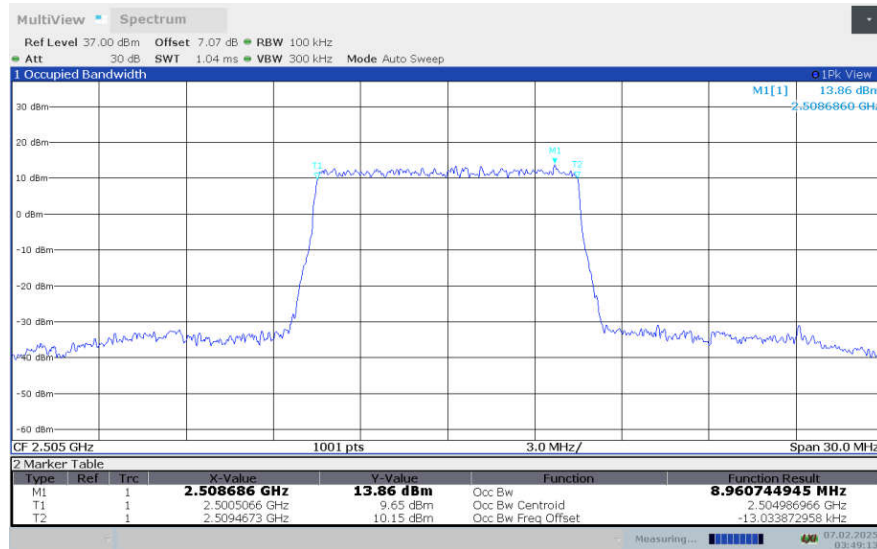
### LTE Band 7 , 5MHz Bandwidth,HIGH,64QAM (99% OBW)



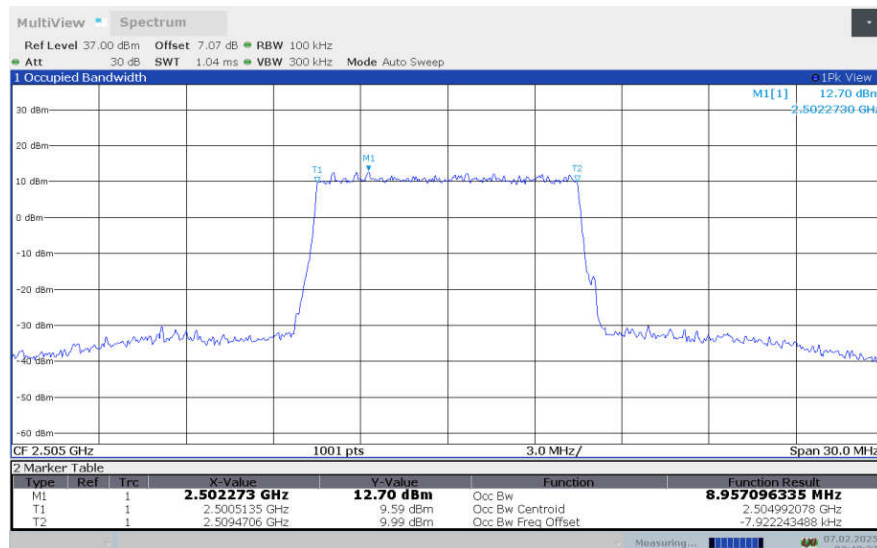
### LTE Band 7,10MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
2505	8.961	8.957	8.928
2535	8.949	8.951	8.947
2565	8.934	8.929	8.953

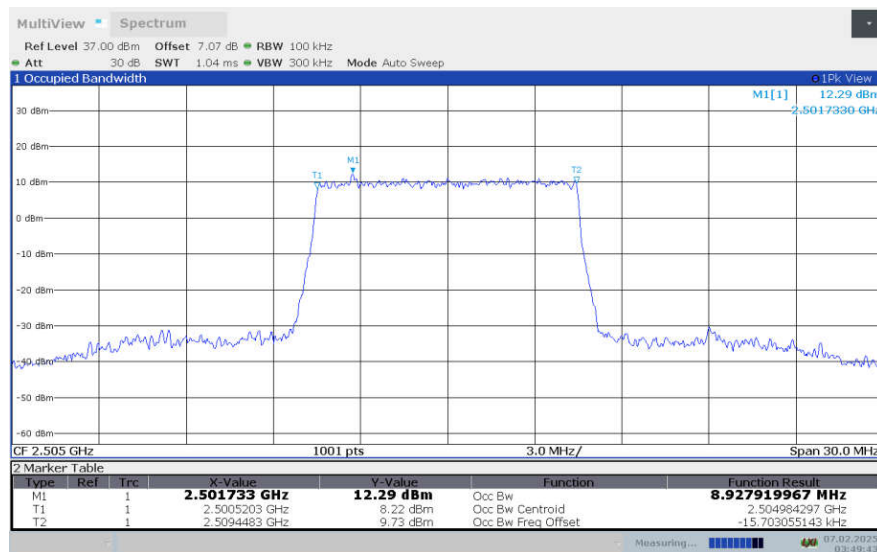
### LTE Band 7 , 10MHz Bandwidth,LOW,QPSK (99% OBW)



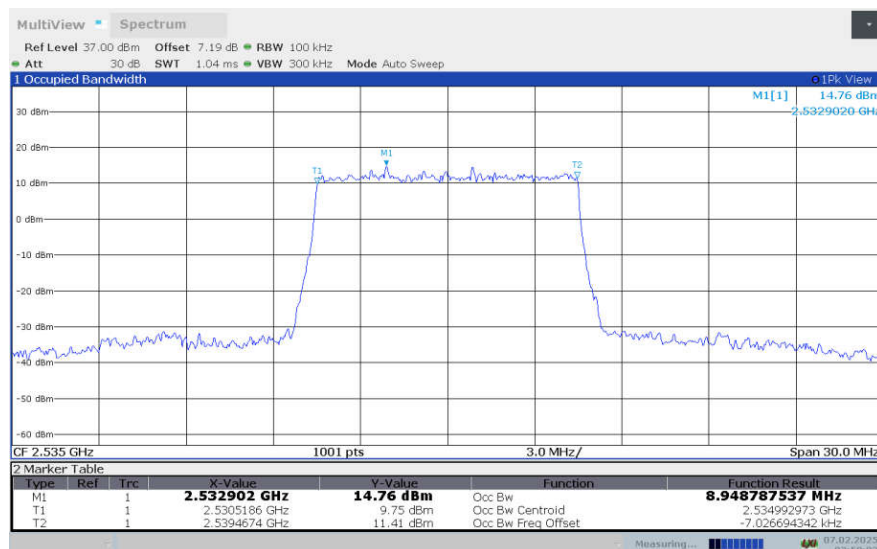
### LTE Band 7 , 10MHz Bandwidth,LOW,16QAM (99% OBW)



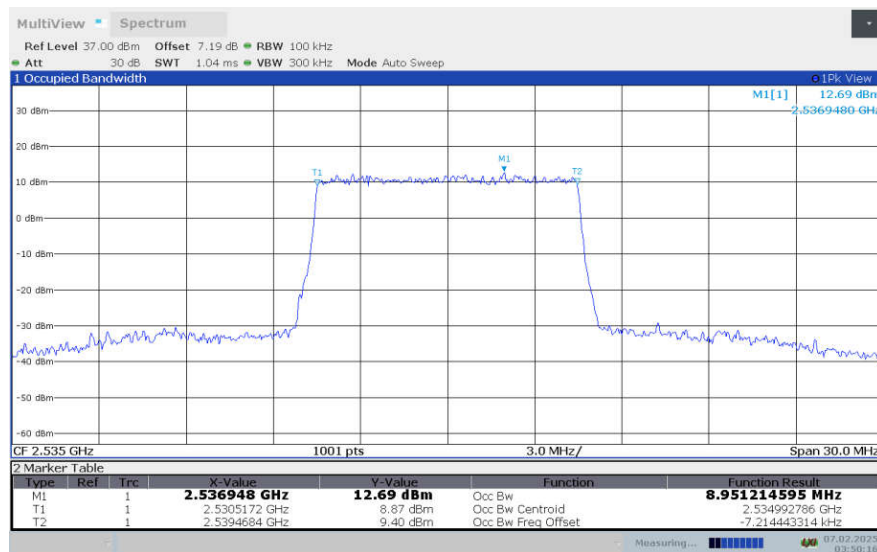
### LTE Band 7 , 10MHz Bandwidth,LOW,64QAM (99% OBW)



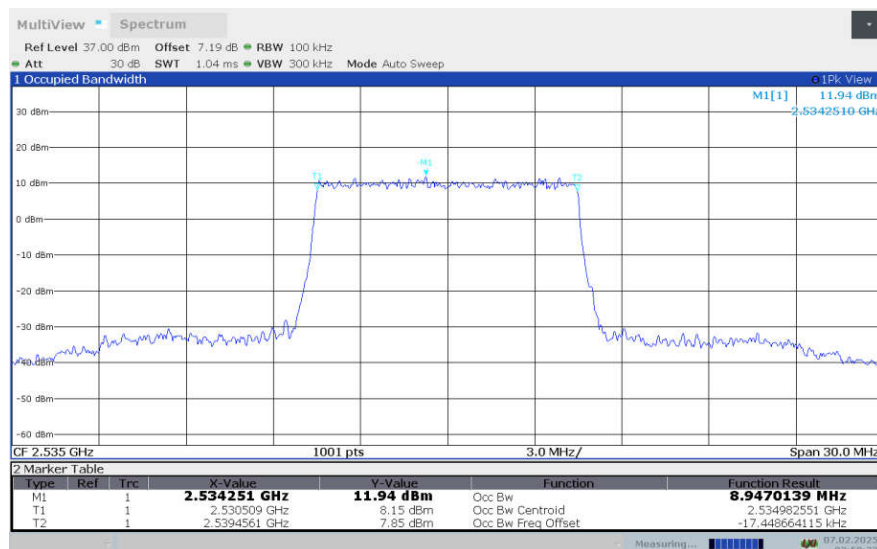
### LTE Band 7 , 10MHz Bandwidth,MID,QPSK (99% OBW)



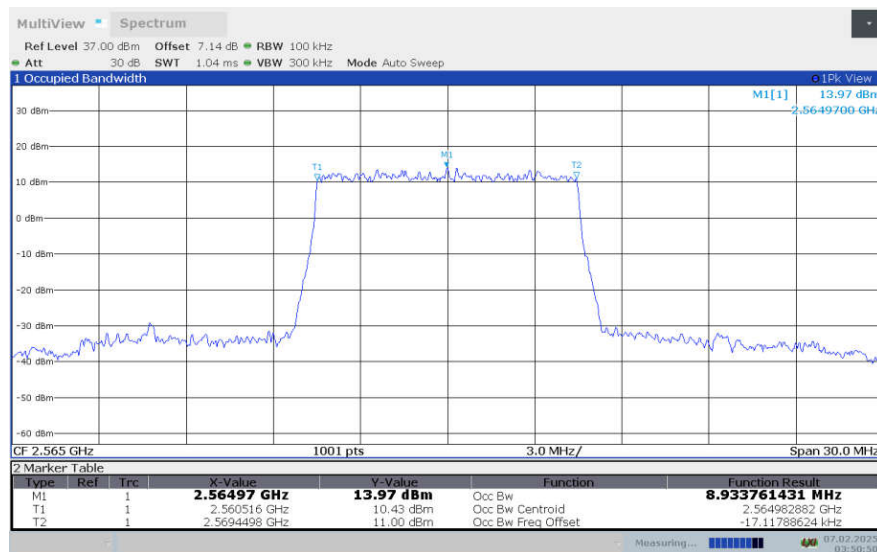
### LTE Band 7 , 10MHz Bandwidth,MID,16QAM (99% OBW)



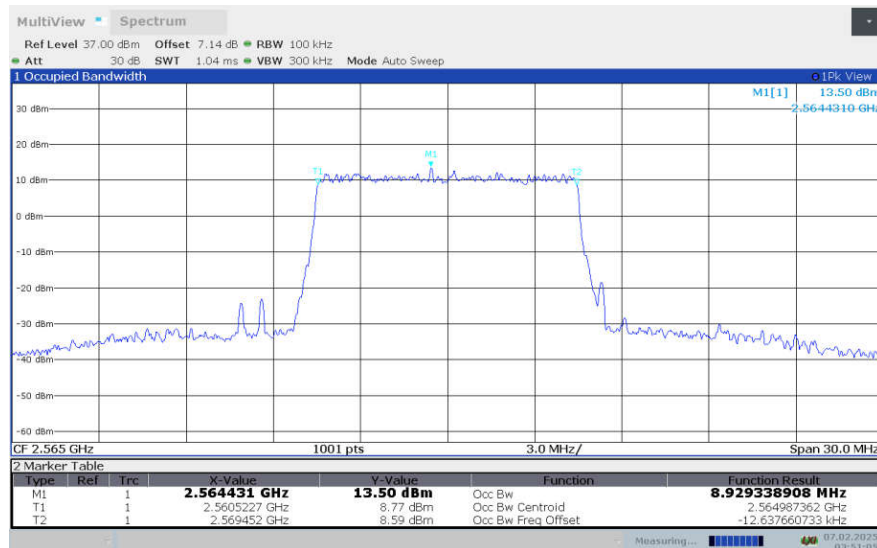
### LTE Band 7 , 10MHz Bandwidth,MID,64QAM (99% OBW)



### LTE Band 7 , 10MHz Bandwidth,HIGH,QPSK (99% OBW)

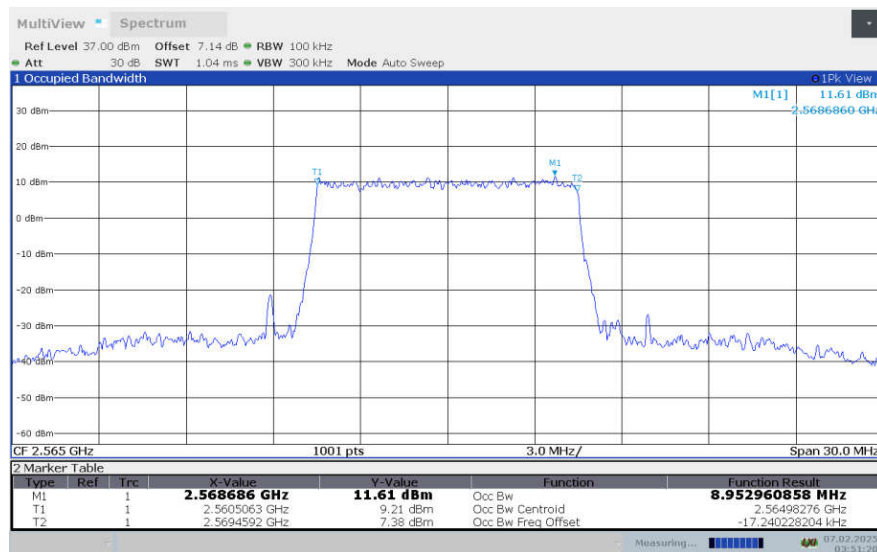


### LTE Band 7 , 10MHz Bandwidth,HIGH,16QAM (99% OBW)



### LTE Band 7 , 10MHz Bandwidth,HIGH,64QAM (99% OBW)

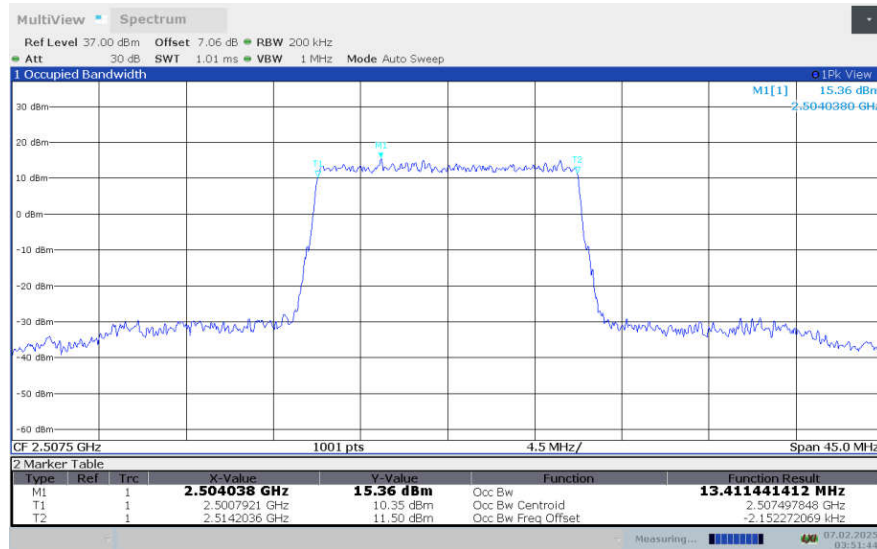




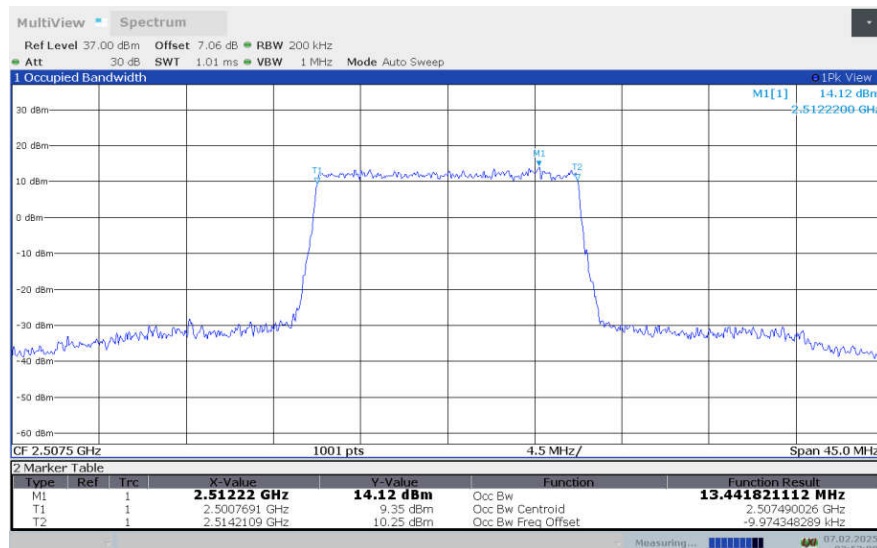
### LTE Band 7,15MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
2507.5	13.411	13.442	13.426
2535	13.414	13.405	13.401
2562.5	13.433	13.437	13.437

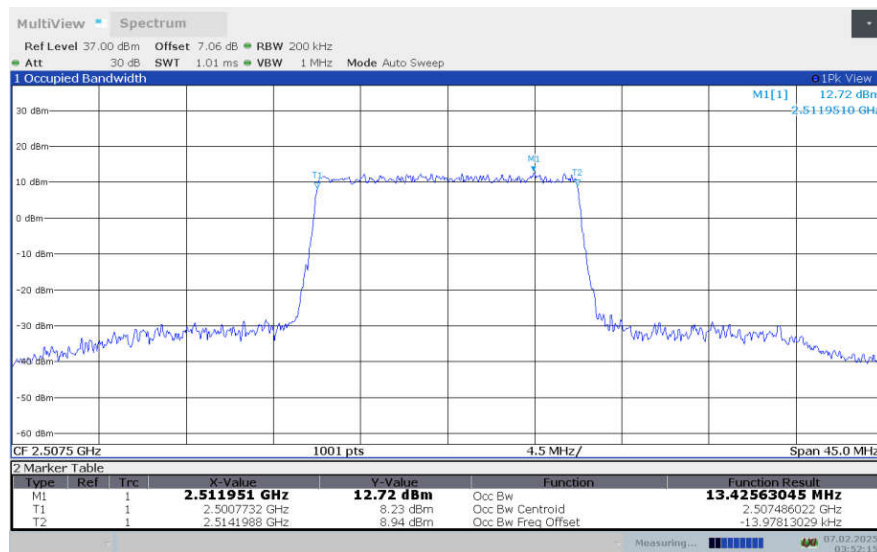
### LTE Band 7 , 15MHz Bandwidth,LOW,QPSK (99% OBW)



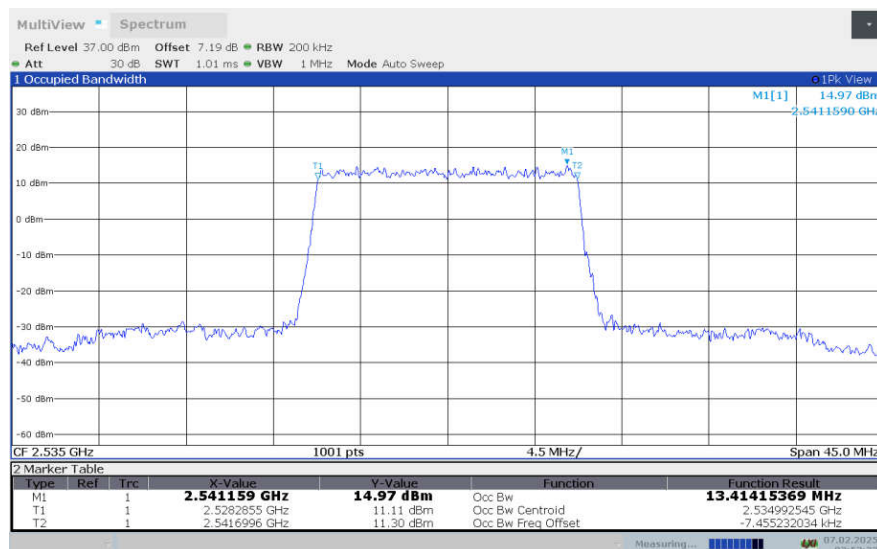
### LTE Band 7 , 15MHz Bandwidth,LOW,16QAM (99% OBW)



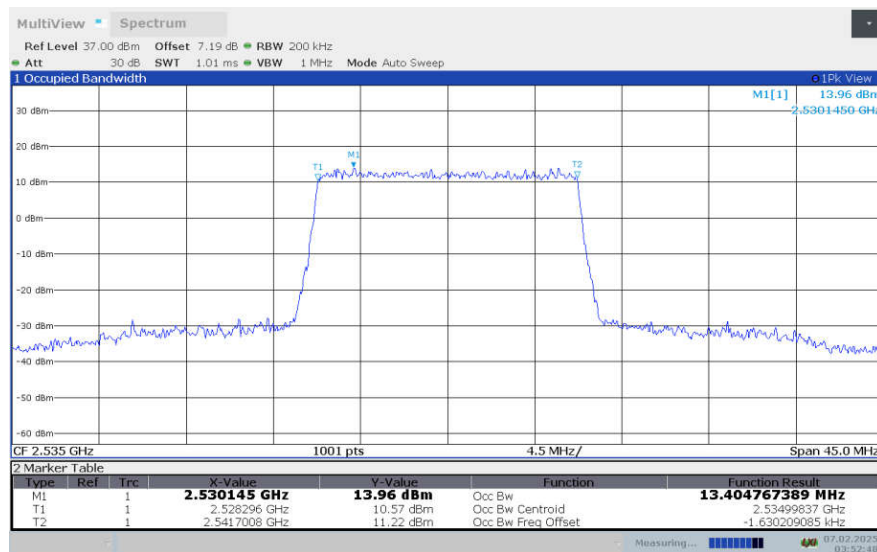
### LTE Band 7 , 15MHz Bandwidth,LOW,64QAM (99% OBW)



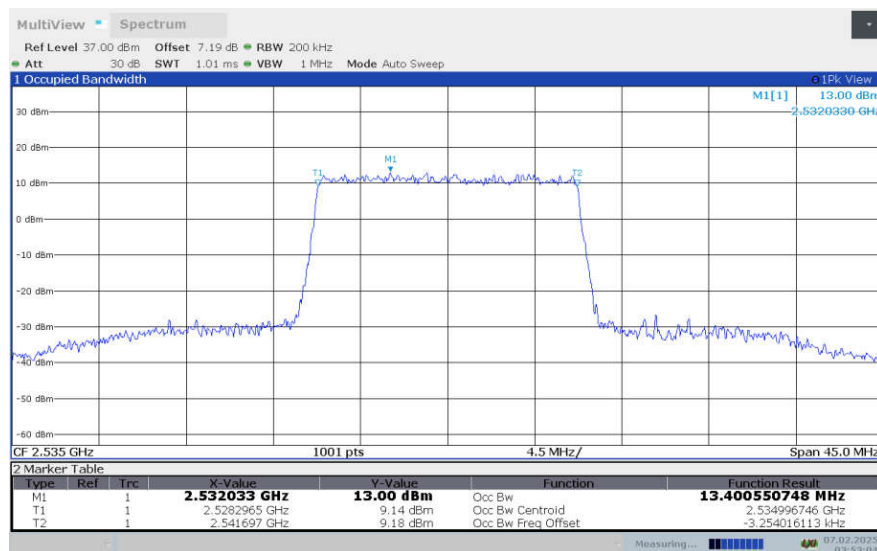
### LTE Band 7 , 15MHz Bandwidth,MID,QPSK (99% OBW)



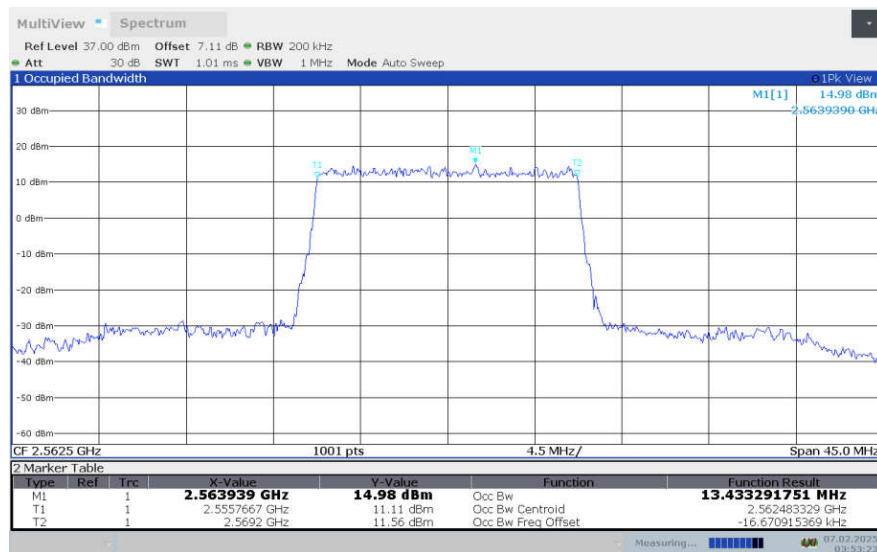
### LTE Band 7 , 15MHz Bandwidth,MID,16QAM (99% OBW)



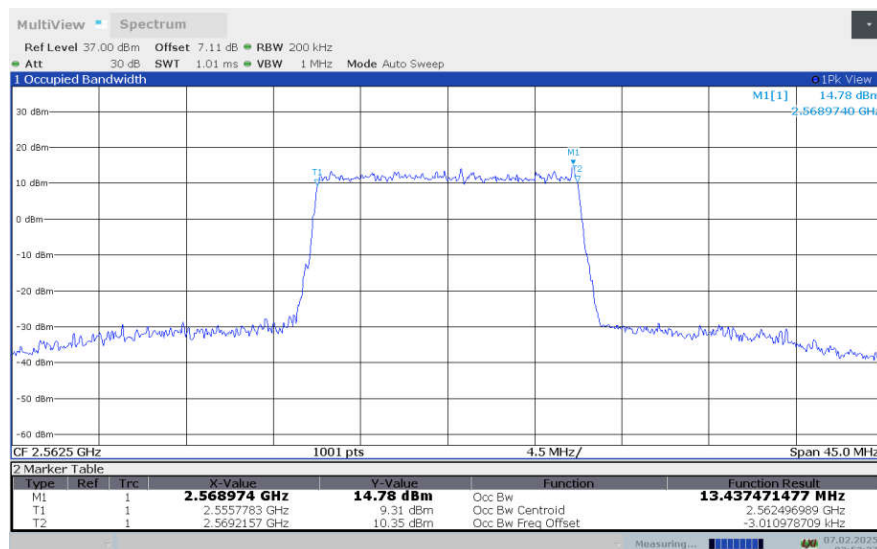
### LTE Band 7 , 15MHz Bandwidth,MID,64QAM (99% OBW)



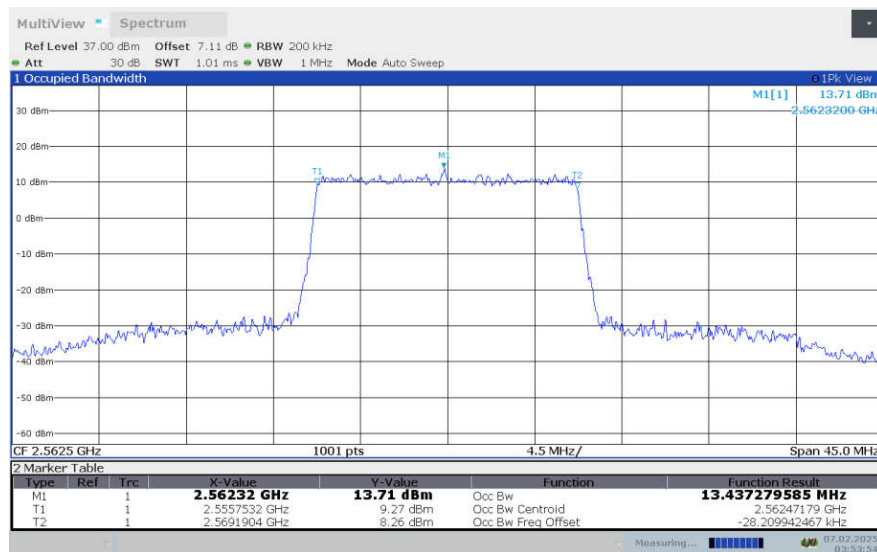
### LTE Band 7 , 15MHz Bandwidth,HIGH,QPSK (99% OBW)



### LTE Band 7 , 15MHz Bandwidth,HIGH,16QAM (99% OBW)



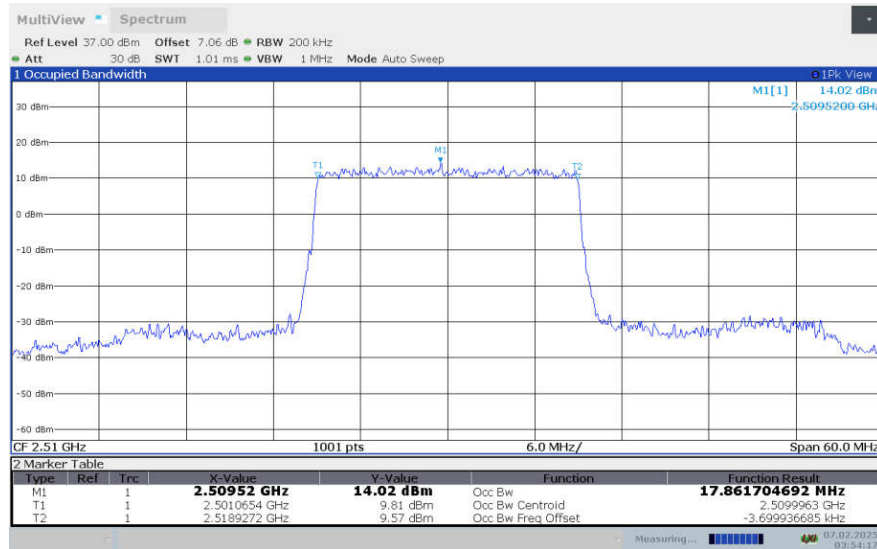
### LTE Band 7 , 15MHz Bandwidth,HIGH,64QAM (99% OBW)



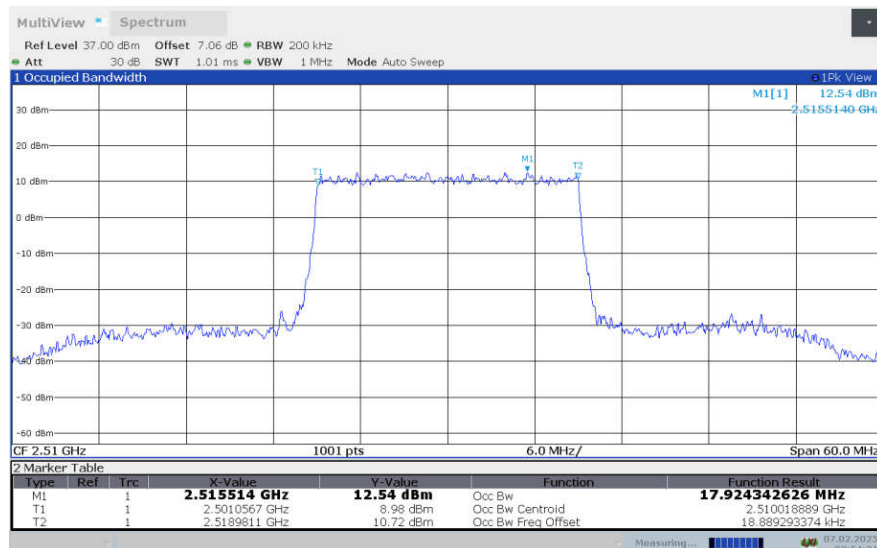
### LTE Band 7,20MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
2510	17.862	17.924	17.885
2535	17.863	17.884	17.919
2560	17.885	17.915	17.900

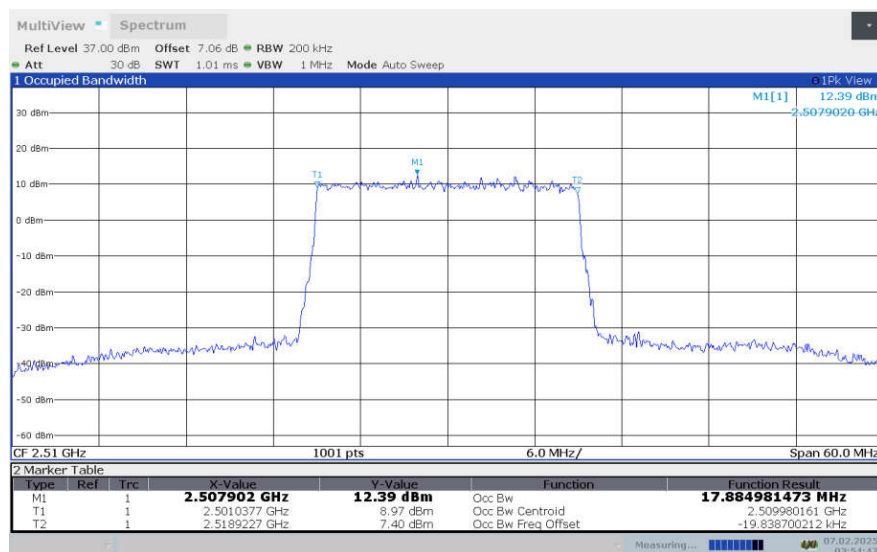
### LTE Band 7 , 20MHz Bandwidth,LOW,QPSK (99% OBW)



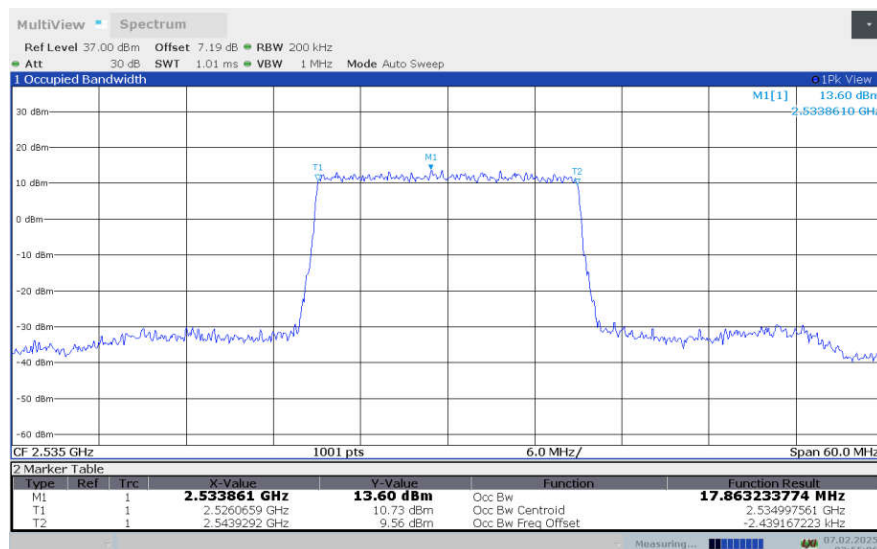
### LTE Band 7 , 20MHz Bandwidth,LOW,16QAM (99% OBW)



### LTE Band 7 , 20MHz Bandwidth,LOW,64QAM (99% OBW)

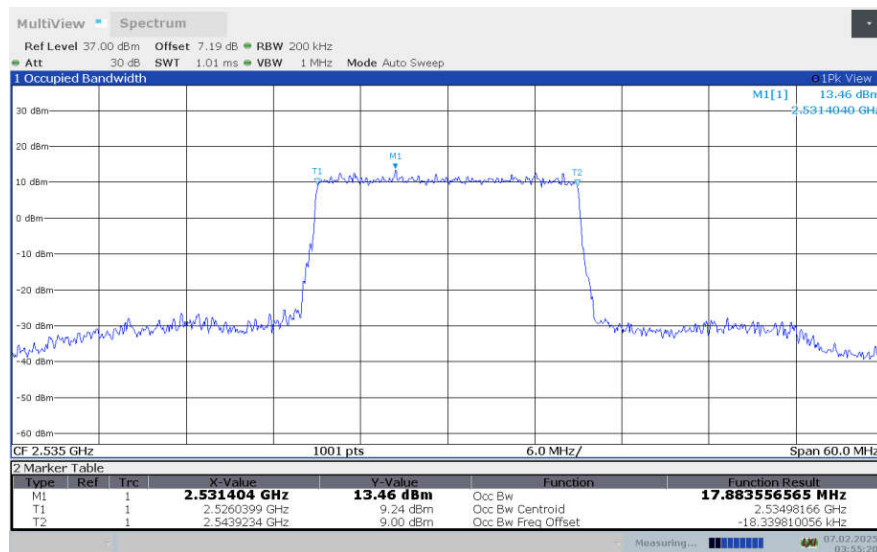


### LTE Band 7 , 20MHz Bandwidth,MID,QPSK (99% OBW)

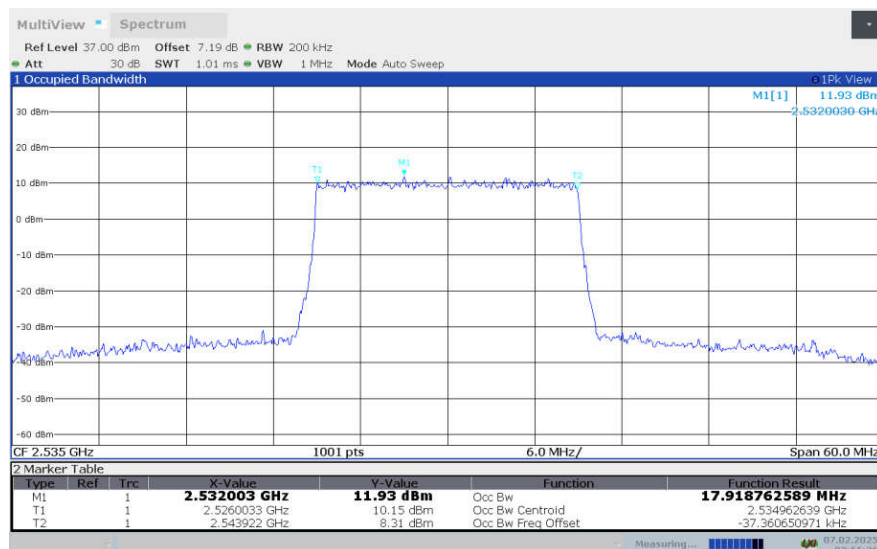


### LTE Band 7 , 20MHz Bandwidth,MID,16QAM (99% OBW)

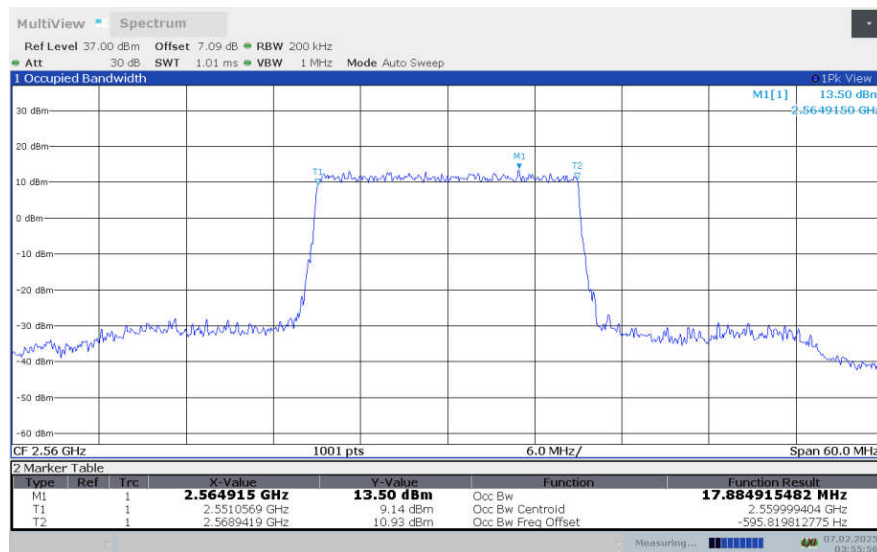




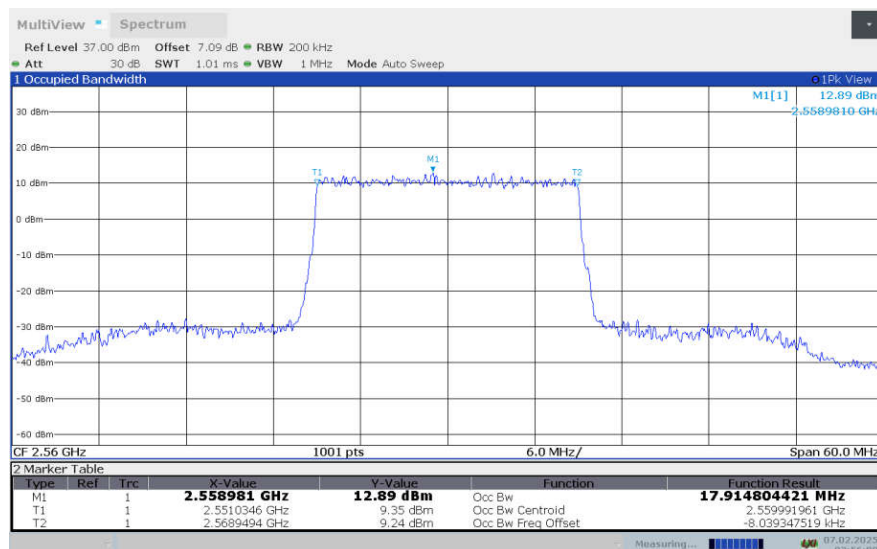
### LTE Band 7 , 20MHz Bandwidth,MID,64QAM (99% OBW)



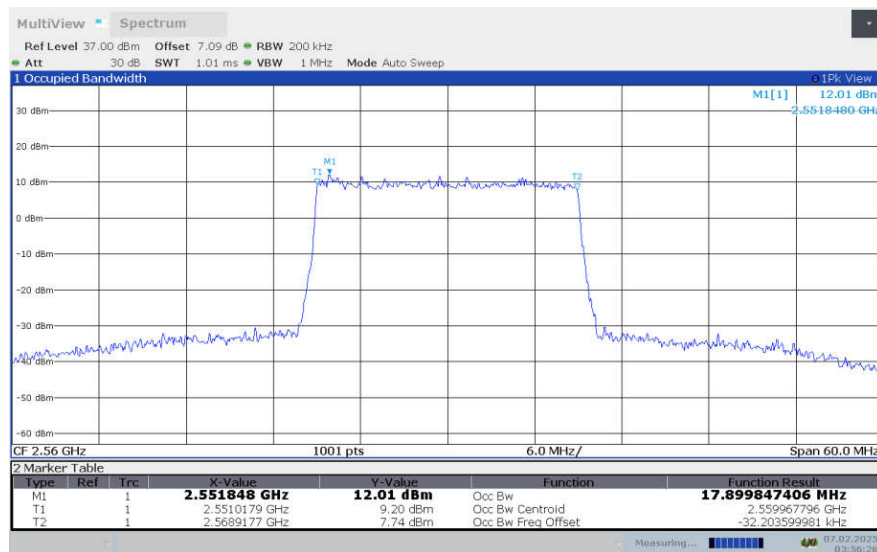
### LTE Band 7 , 20MHz Bandwidth,HIGH,QPSK (99% OBW)



### LTE Band 7 , 20MHz Bandwidth,HIGH,16QAM (99% OBW)



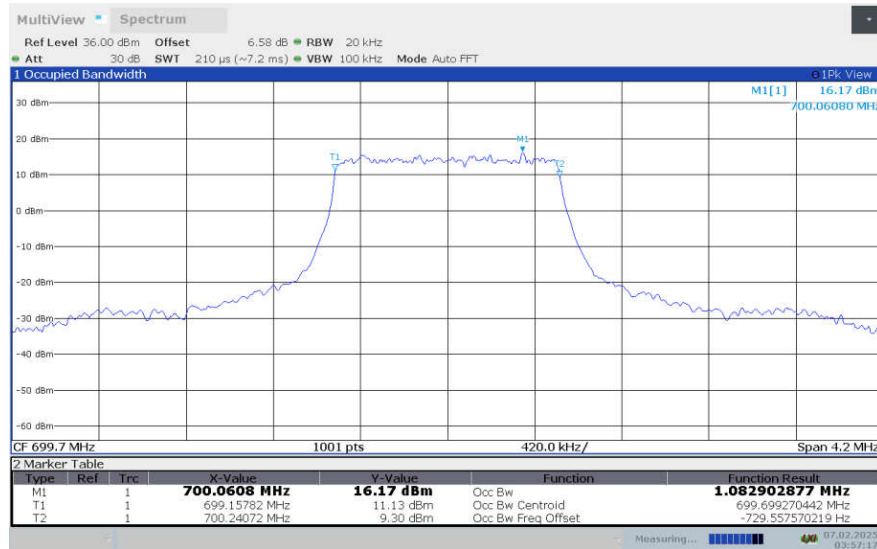
### LTE Band 7 , 20MHz Bandwidth,HIGH,64QAM (99% OBW)



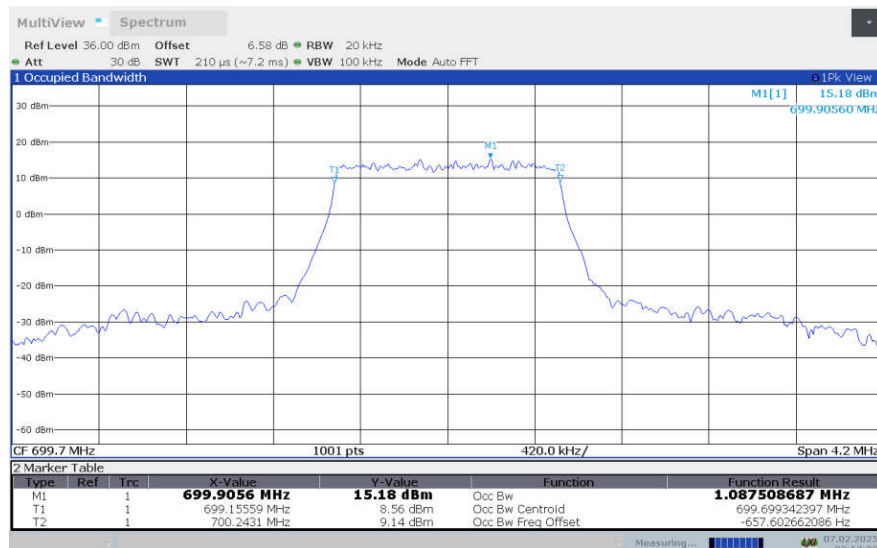
### LTE Band 12,1.4MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
699.7	1.083	1.088	1.083
707.5	1.087	1.082	1.088
715.3	1.090	1.086	1.083

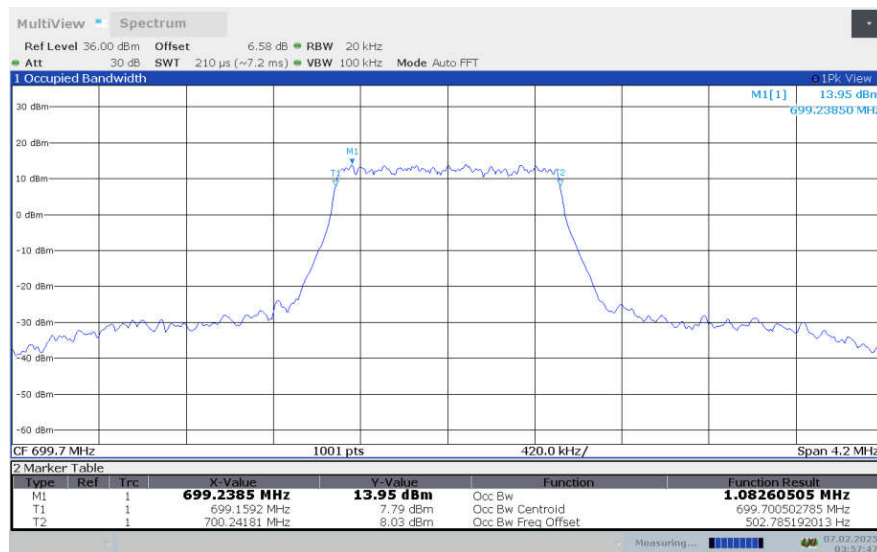
### LTE Band 12 , 1.4MHz Bandwidth,LOW,QPSK (99% OBW)



### LTE Band 12 , 1.4MHz Bandwidth,LOW,16QAM (99% OBW)



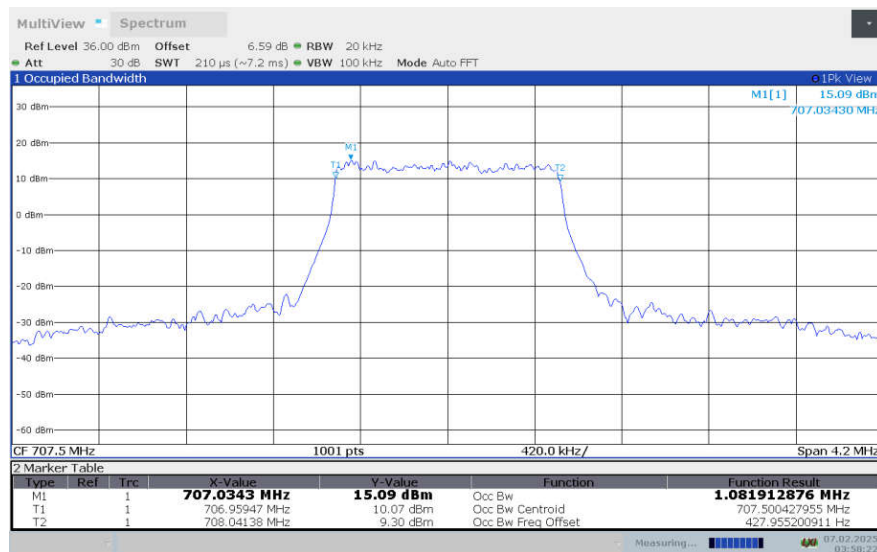
### LTE Band 12 , 1.4MHz Bandwidth,LOW,64QAM (99% OBW)



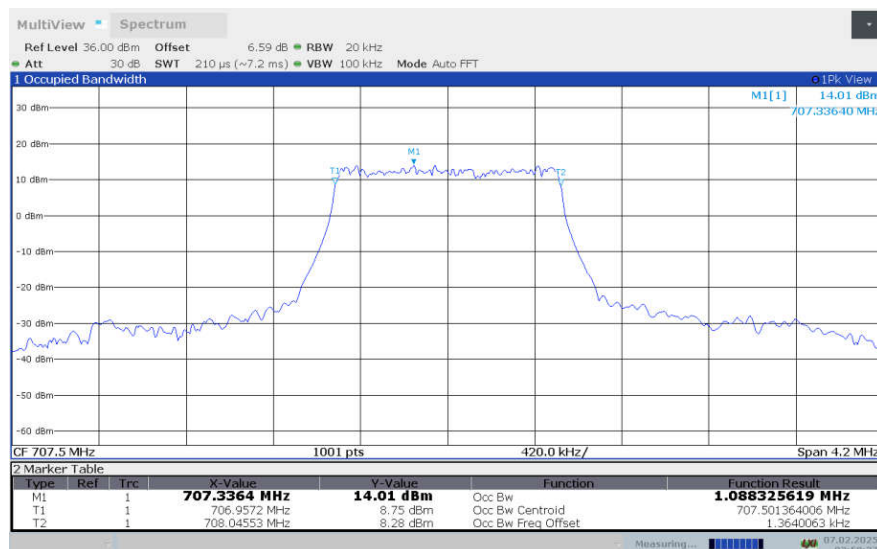
### LTE Band 12 , 1.4MHz Bandwidth,MID,QPSK (99% OBW)



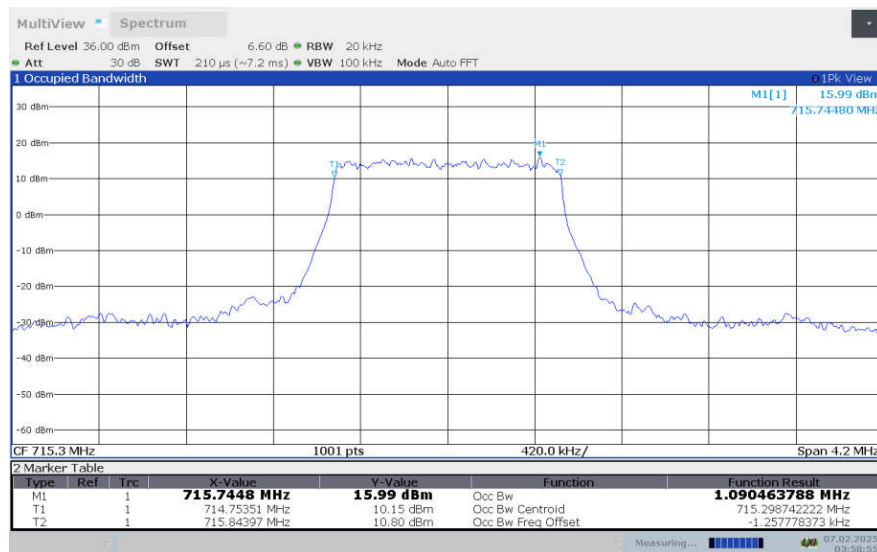
### LTE Band 12 , 1.4MHz Bandwidth,MID,16QAM (99% OBW)



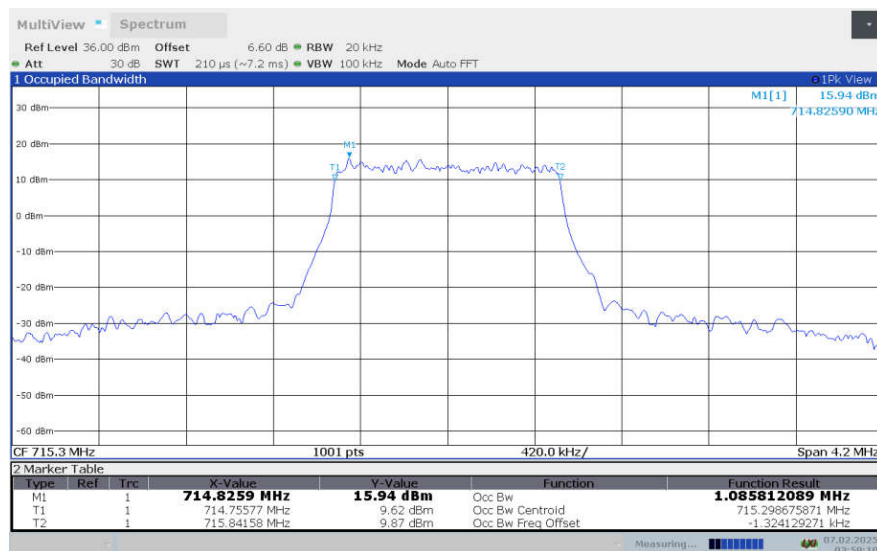
### LTE Band 12 , 1.4MHz Bandwidth,MID,64QAM (99% OBW)



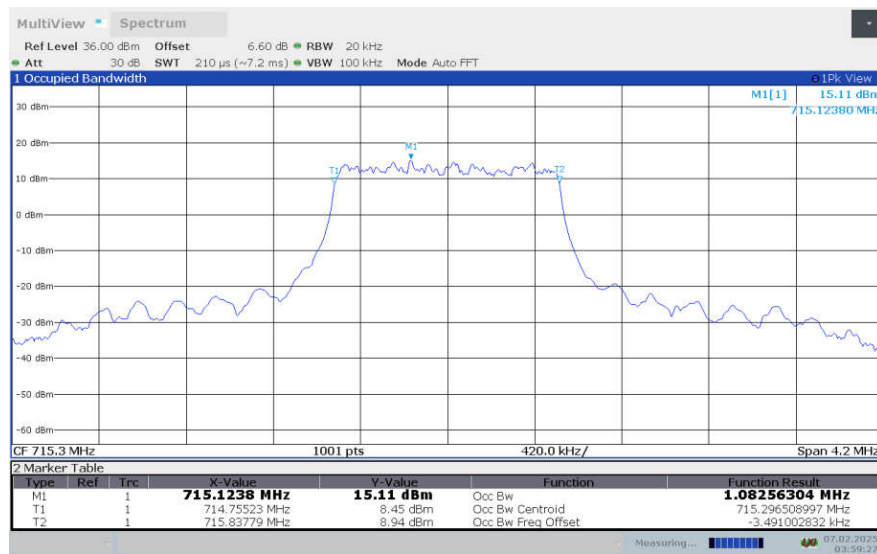
### LTE Band 12 , 1.4MHz Bandwidth,HIGH,QPSK (99% OBW)



### LTE Band 12 , 1.4MHz Bandwidth,HIGH,16QAM (99% OBW)



### LTE Band 12 , 1.4MHz Bandwidth,HIGH,64QAM (99% OBW)

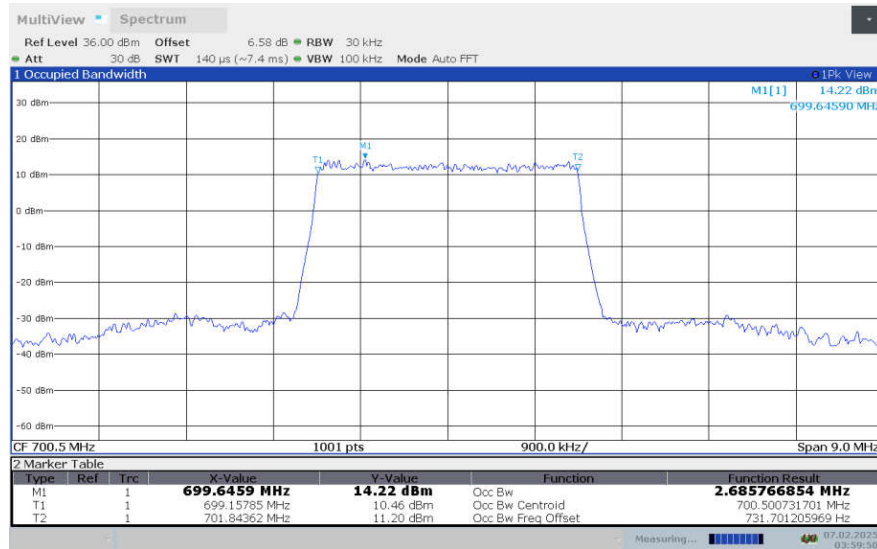




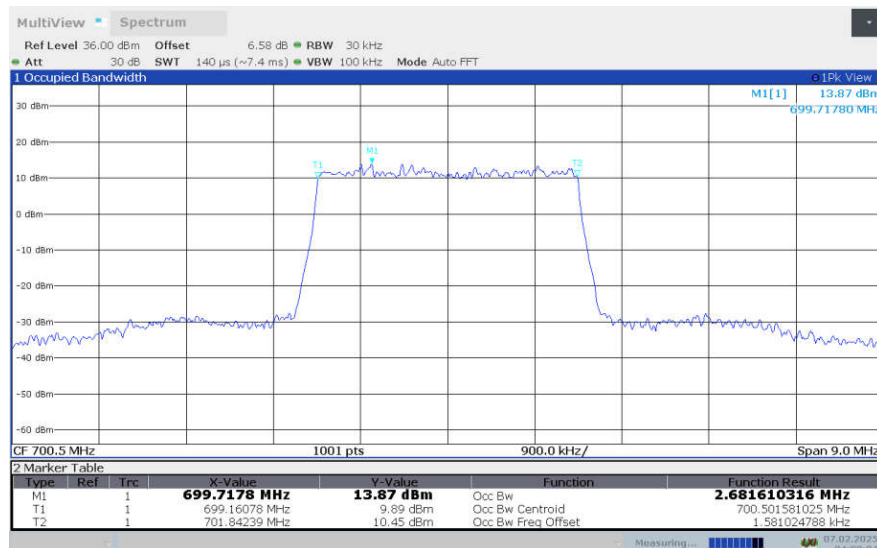
### LTE Band 12,3MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
700.5	2.686	2.682	2.684
707.5	2.682	2.680	2.684
714.5	2.686	2.680	2.686

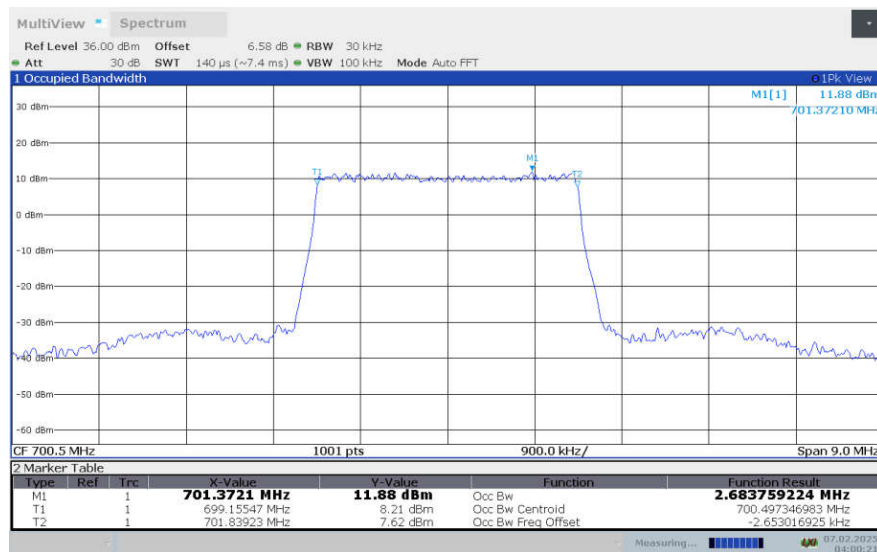
### LTE Band 12 , 3MHz Bandwidth,LOW,QPSK (99% OBW)



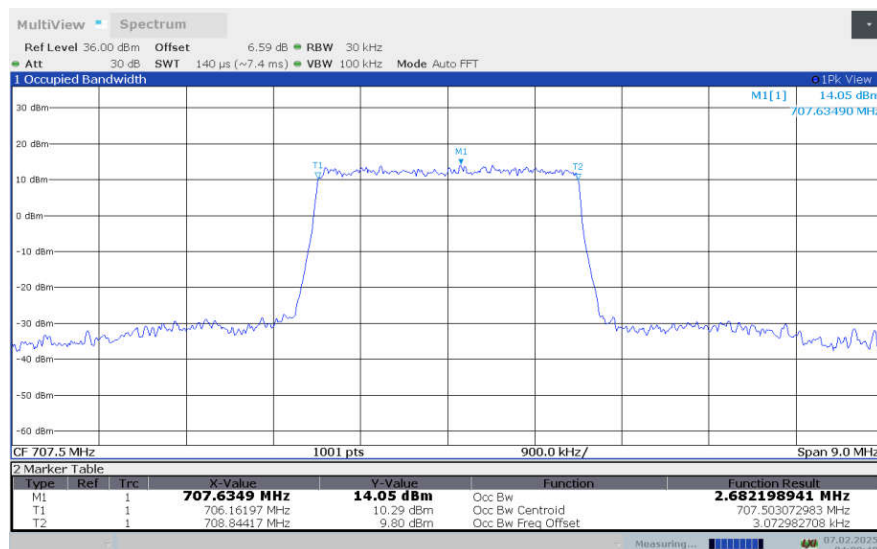
### LTE Band 12 , 3MHz Bandwidth,LOW,16QAM (99% OBW)



### LTE Band 12 , 3MHz Bandwidth,LOW,64QAM (99% OBW)



### LTE Band 12 , 3MHz Bandwidth,MID,QPSK (99% OBW)



### LTE Band 12 , 3MHz Bandwidth,MID,16QAM (99% OBW)