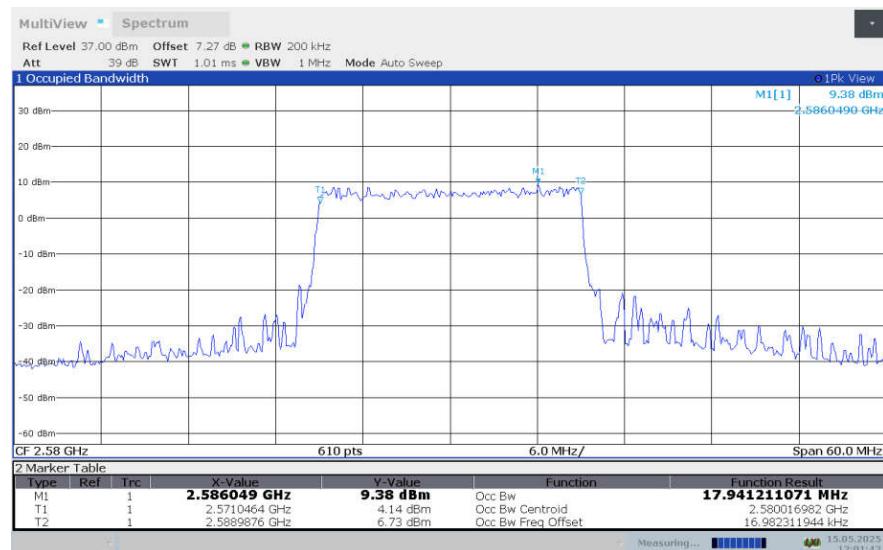
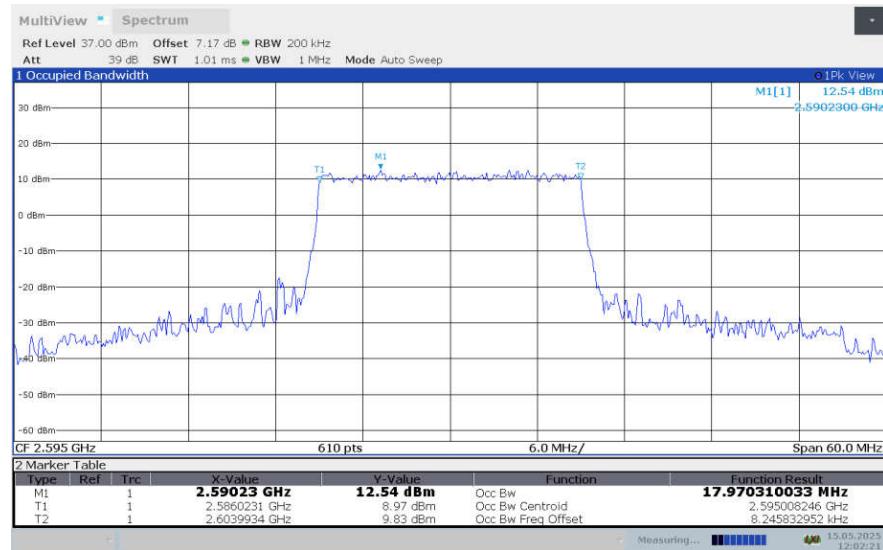


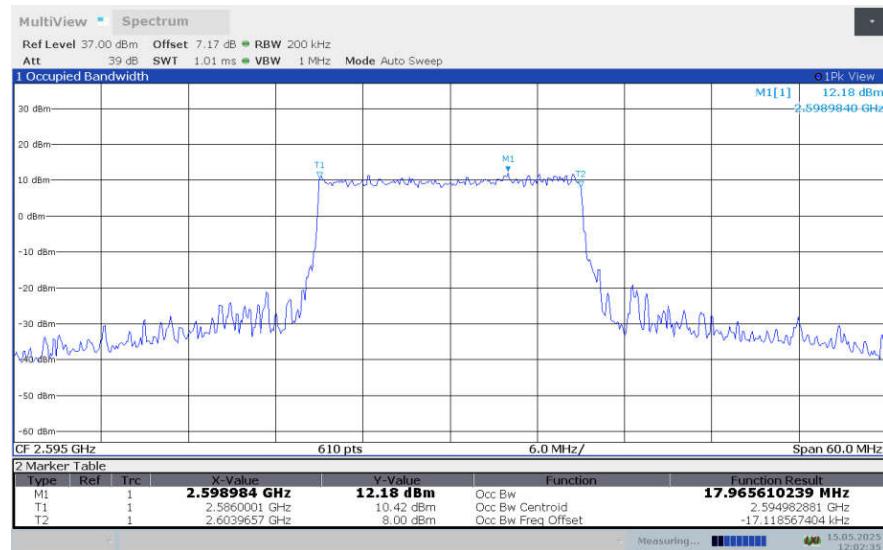
LTE band 38 , 20MHz Bandwidth,LOW,256QAM (99% BW)



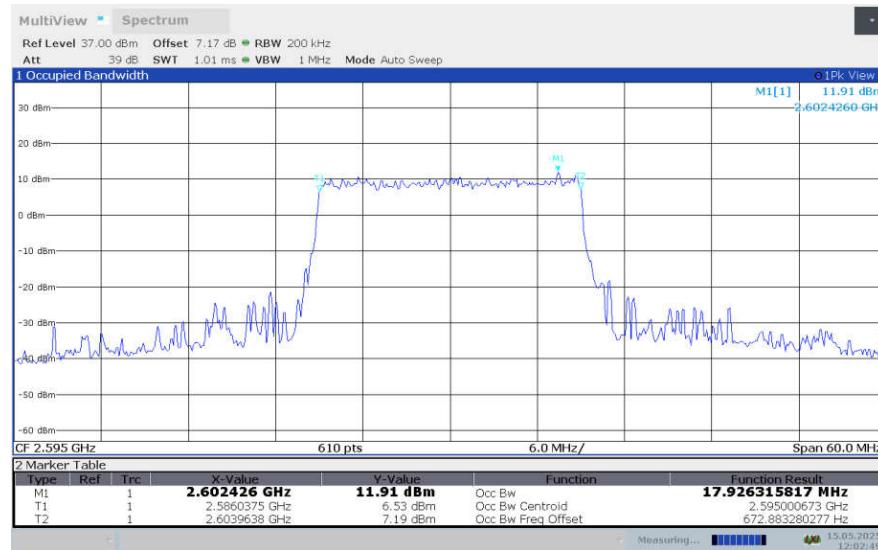
LTE band 38 , 20MHz Bandwidth,MID,QPSK (99% BW)



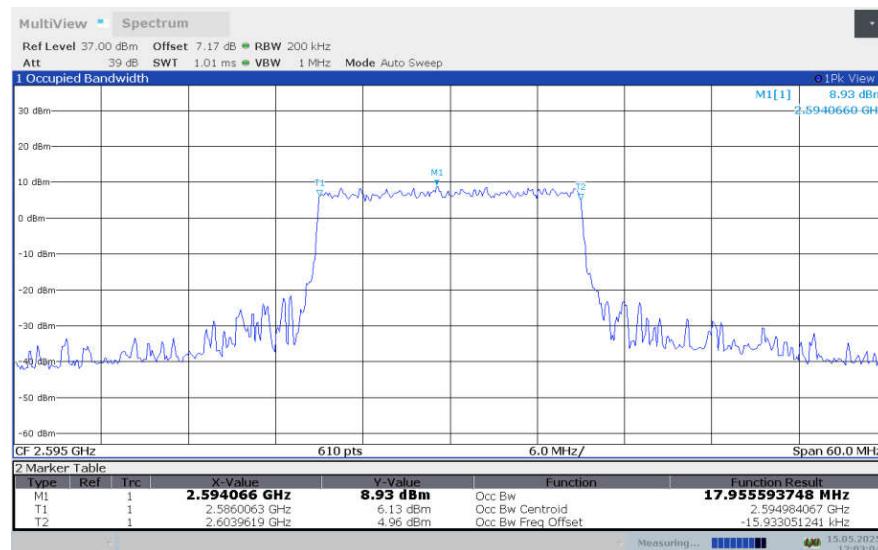
LTE band 38 , 20MHz Bandwidth,MID,16QAM (99% BW)



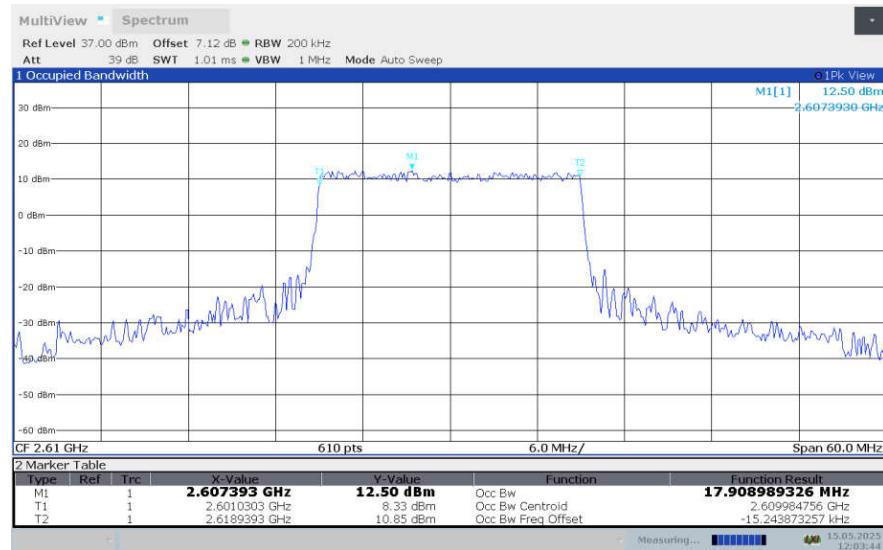
LTE band 38 , 20MHz Bandwidth,MID,64QAM (99% BW)



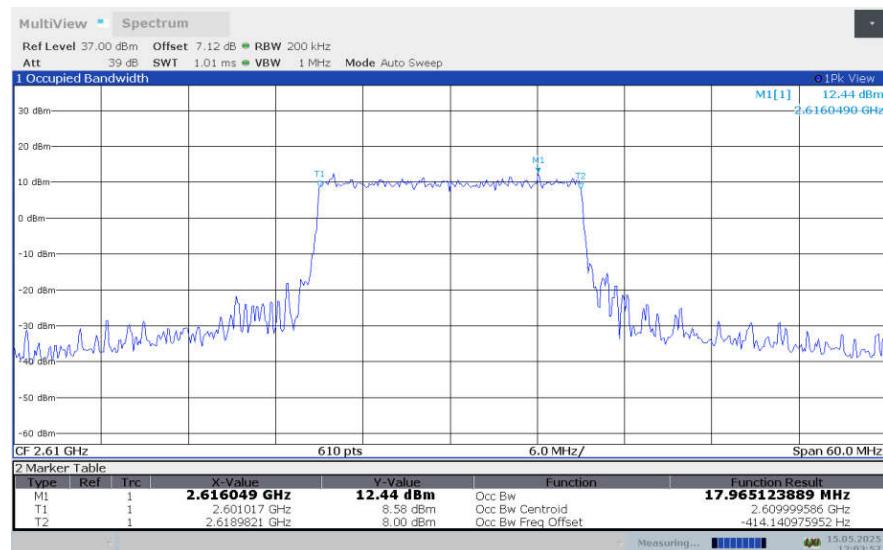
LTE band 38 , 20MHz Bandwidth,MID,256QAM (99% BW)



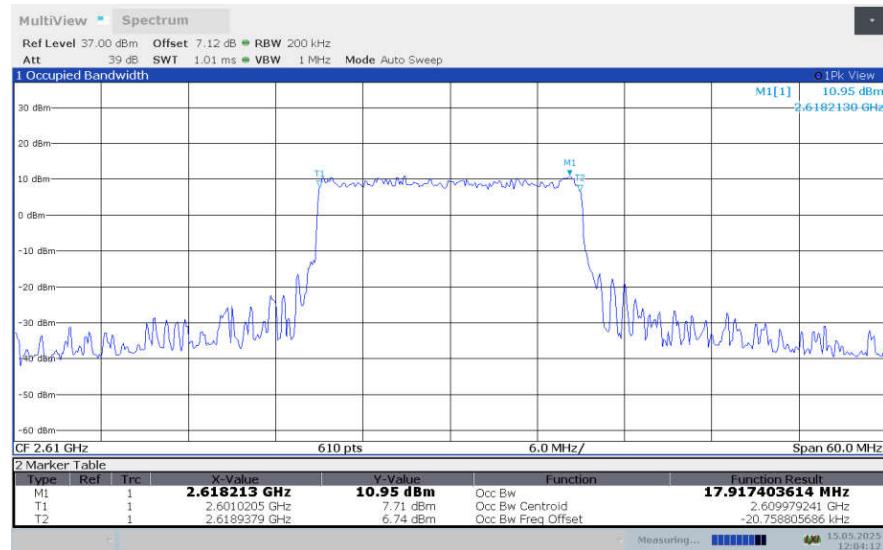
LTE band 38 , 20MHz Bandwidth,HIGH,QPSK (99% BW)



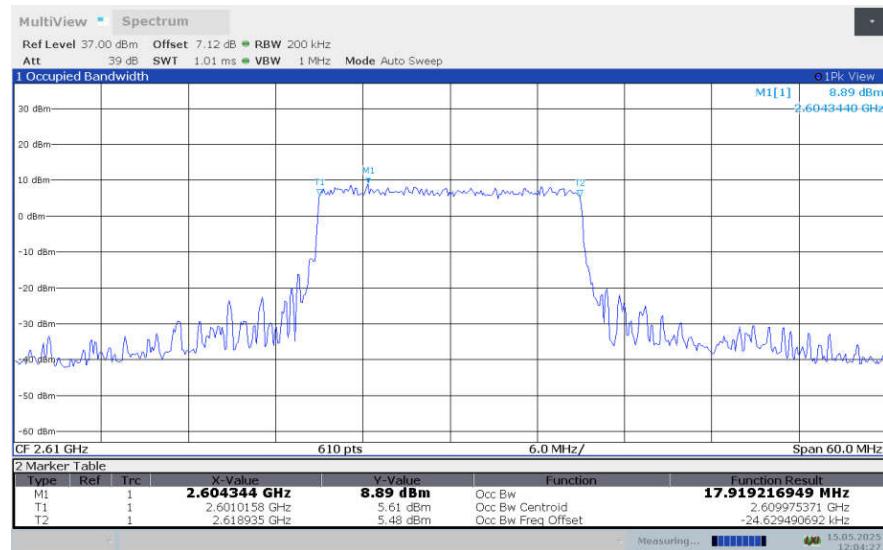
LTE band 38 , 20MHz Bandwidth,HIGH,16QAM (99% BW)



LTE band 38 , 20MHz Bandwidth,HIGH,64QAM (99% BW)

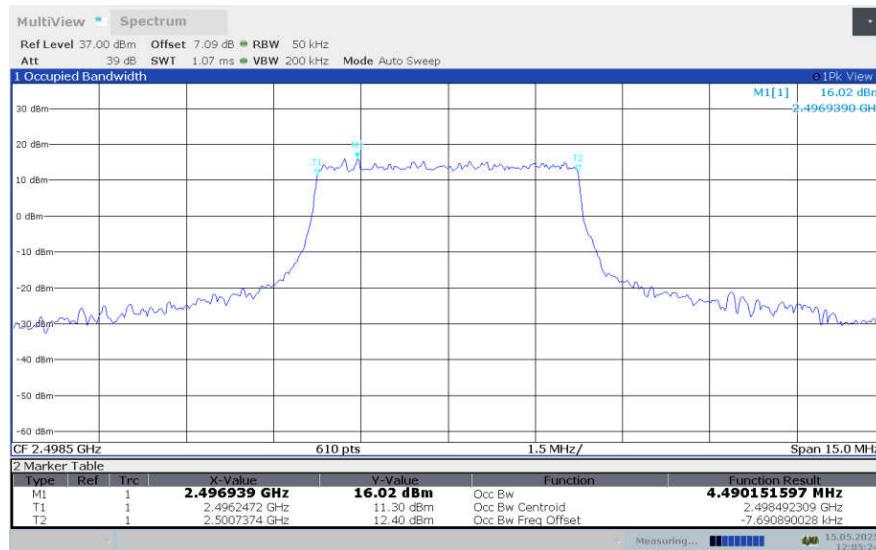
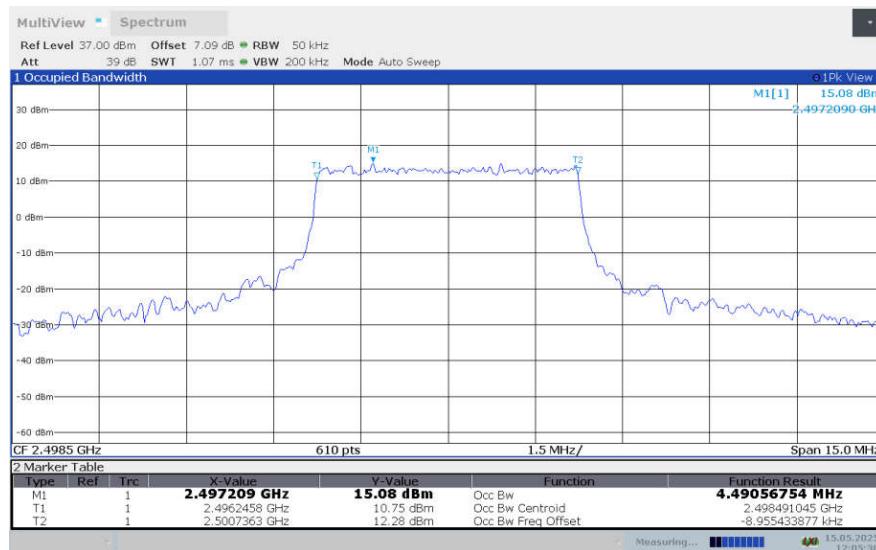


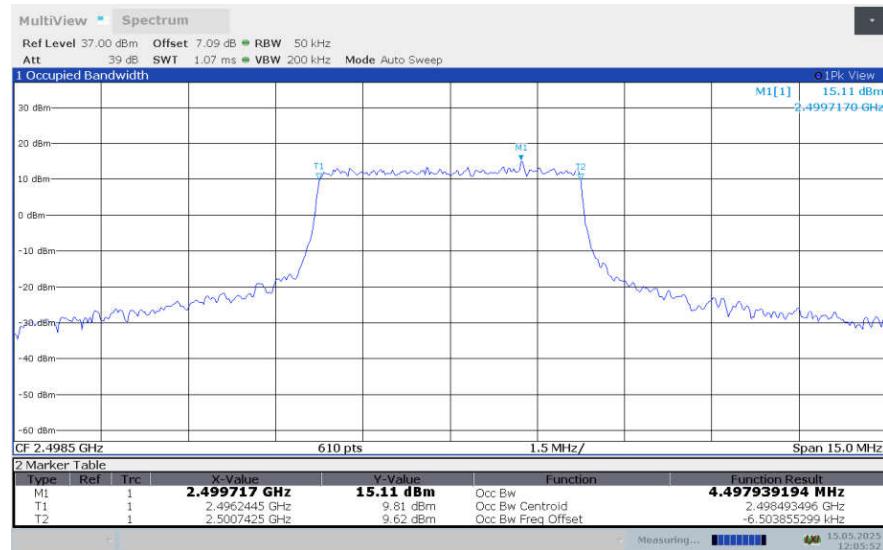
LTE band 38 , 20MHz Bandwidth,HIGH,256QAM (99% BW)



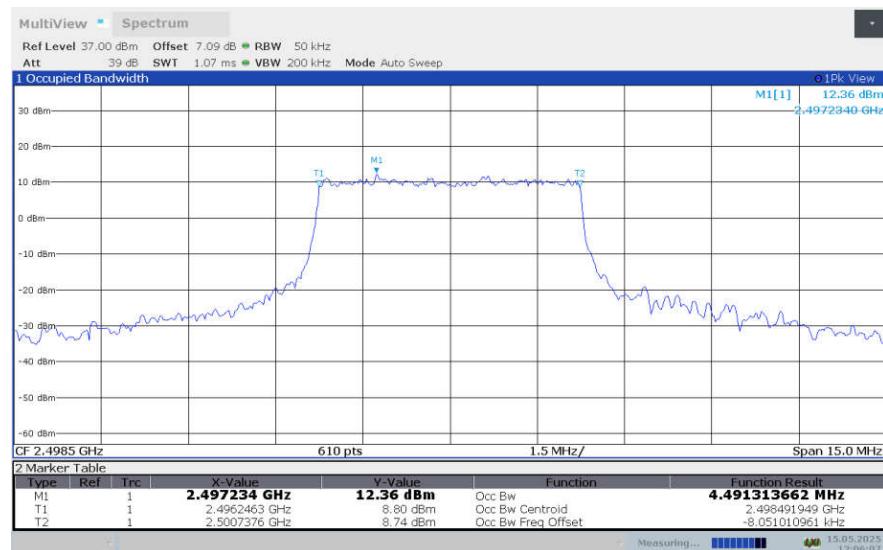
LTE band 41,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
2498.5	4.490	4.491	4.498	4.491
2593	4.493	4.491	4.487	4.492
2687.5	4.494	4.483	4.505	4.501

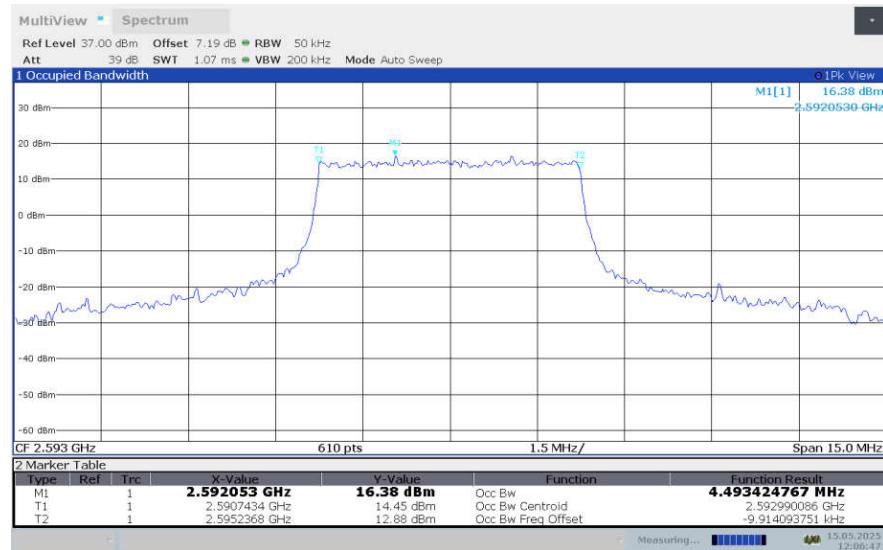
LTE band 41 , 5MHz Bandwidth,LOW,QPSK (99% BW)

LTE band 41 , 5MHz Bandwidth,LOW,16QAM (99% BW)

LTE band 41 , 5MHz Bandwidth,LOW,64QAM (99% BW)



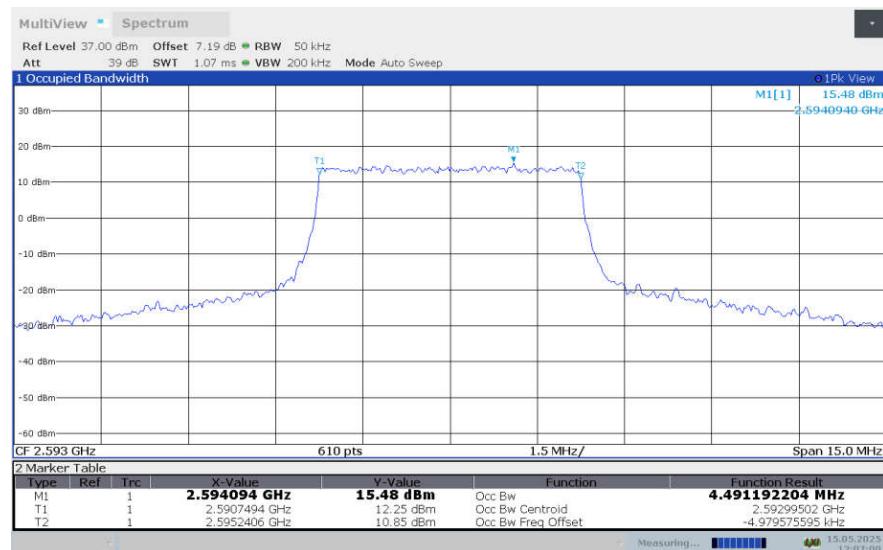
LTE band 41 , 5MHz Bandwidth,LOW,256QAM (99% BW)



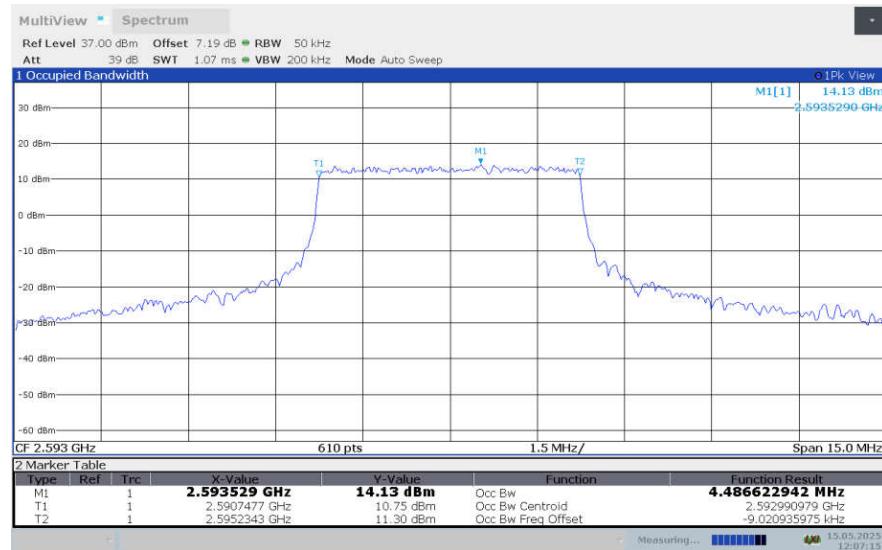
LTE band 41 , 5MHz Bandwidth,MID,QPSK (99% BW)



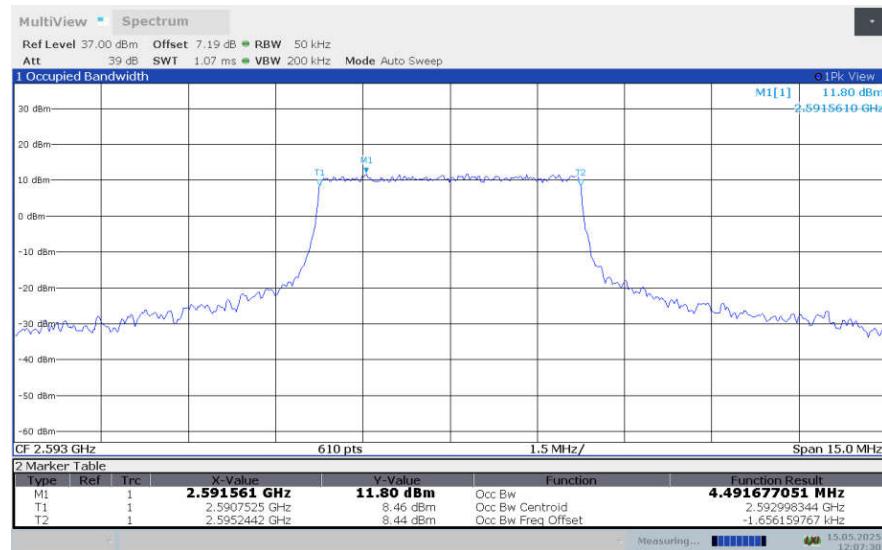
LTE band 41 , 5MHz Bandwidth,MID,16QAM (99% BW)



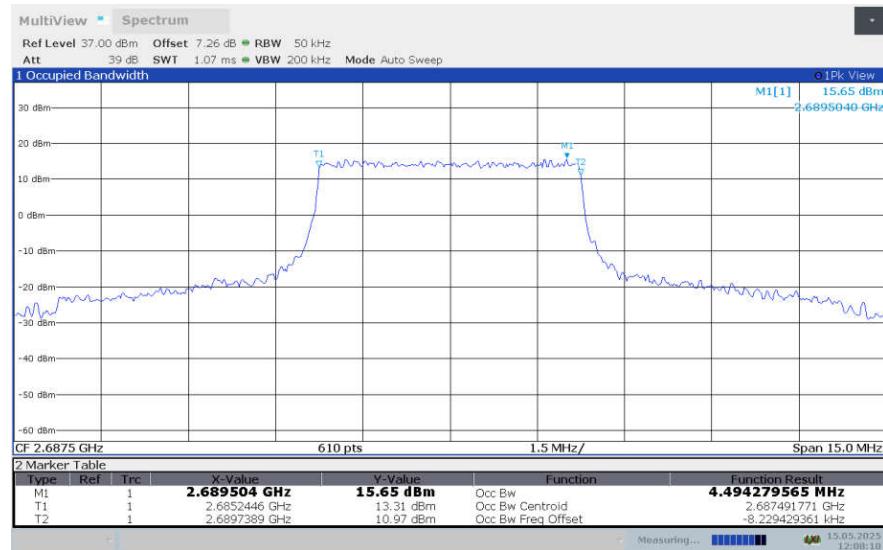
LTE band 41 , 5MHz Bandwidth,MID,64QAM (99% BW)



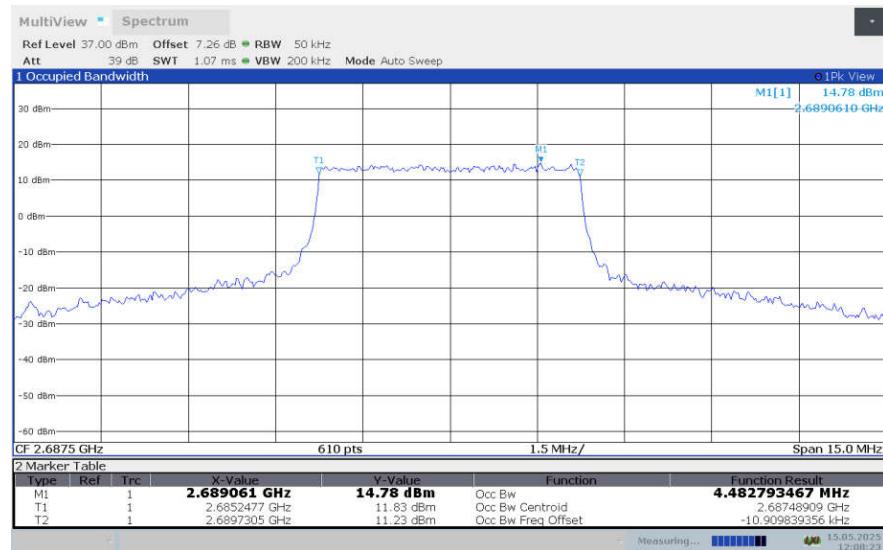
LTE band 41 , 5MHz Bandwidth,MID,256QAM (99% BW)



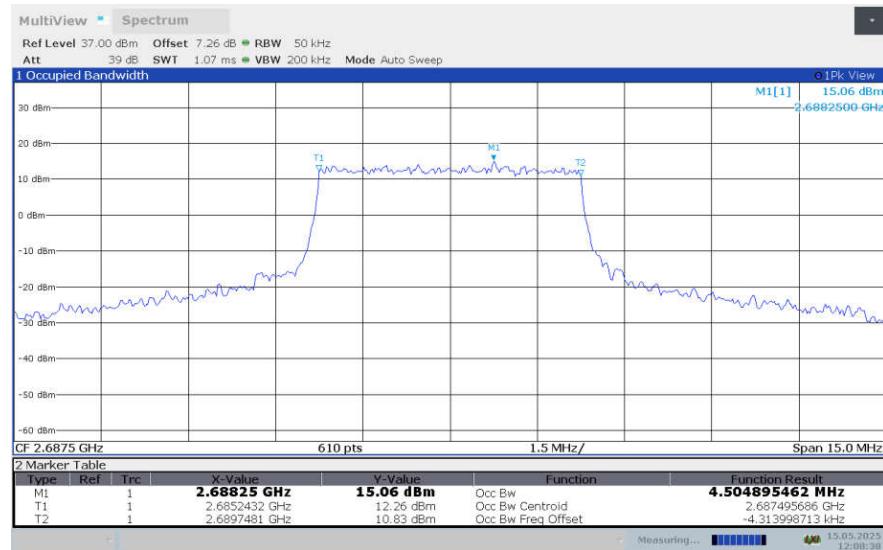
LTE band 41 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



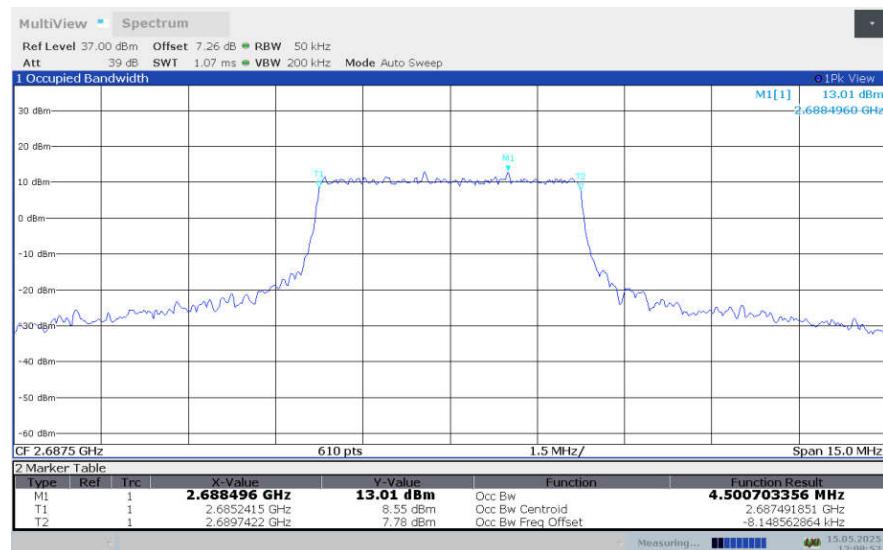
LTE band 41 , 5MHz Bandwidth,HIGH,16QAM (99% BW)



LTE band 41 , 5MHz Bandwidth,HIGH,64QAM (99% BW)

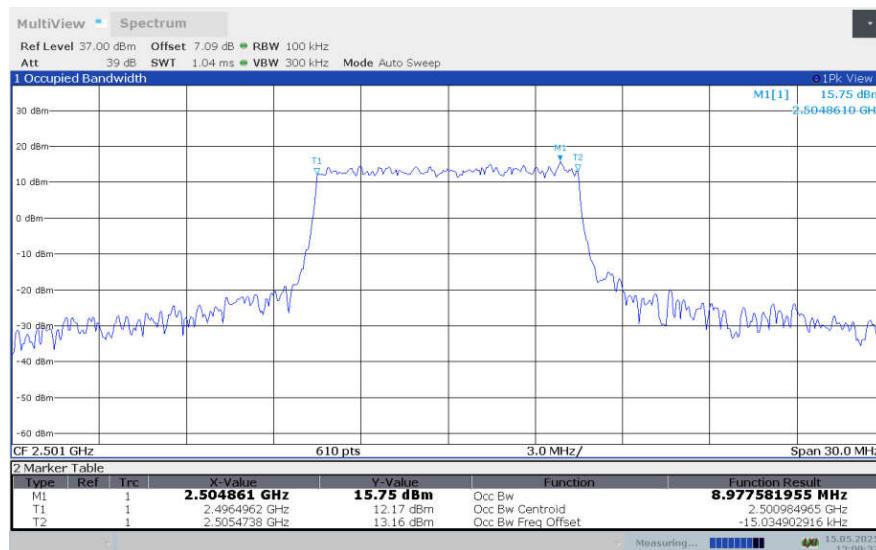
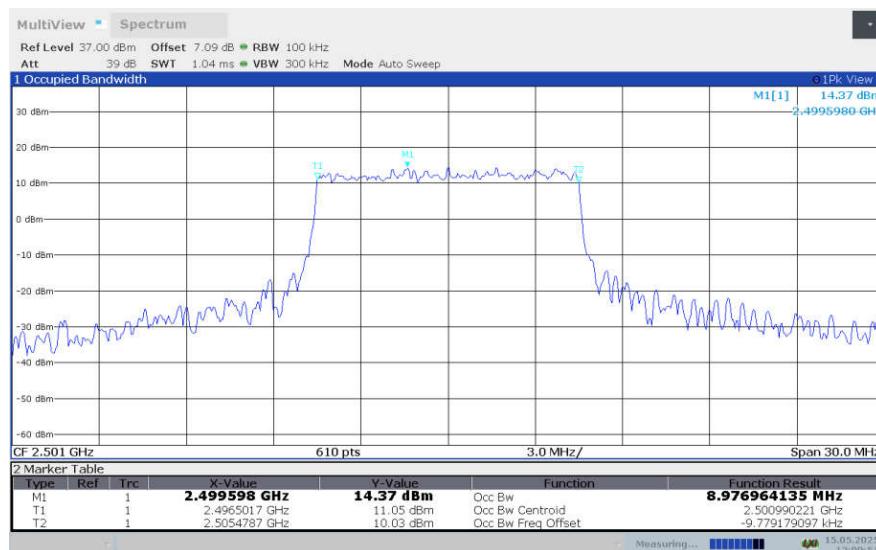


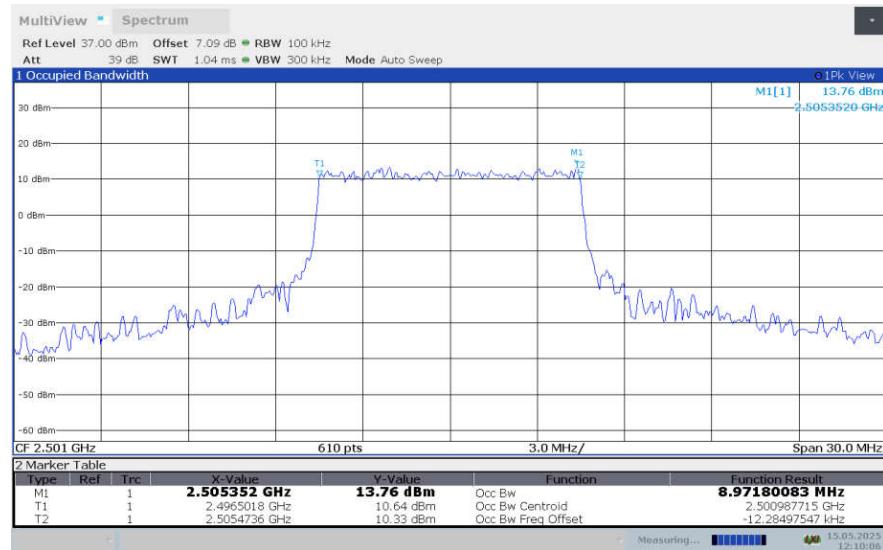
LTE band 41 , 5MHz Bandwidth,HIGH,256QAM (99% BW)



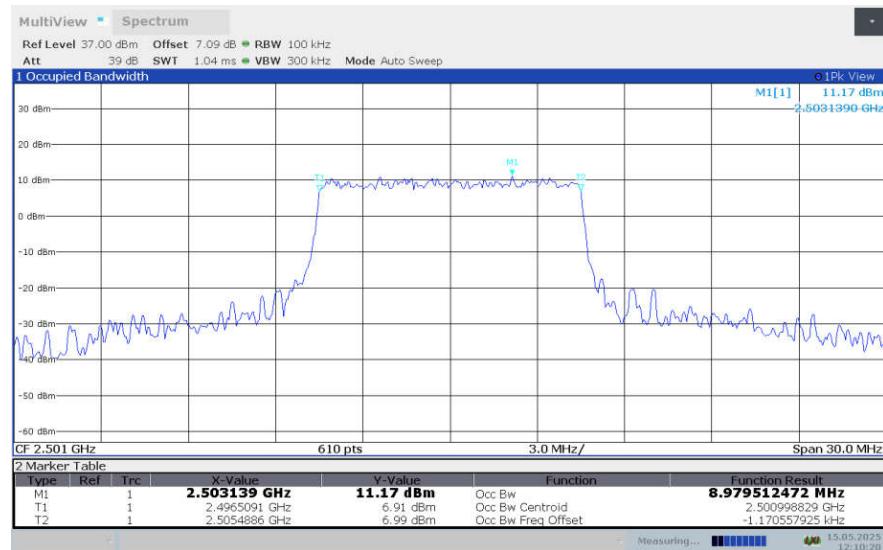
LTE band 41,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
2501	8.978	8.977	8.972	8.980
2593	8.971	8.985	8.997	8.987
2685	9.015	8.984	8.983	9.001

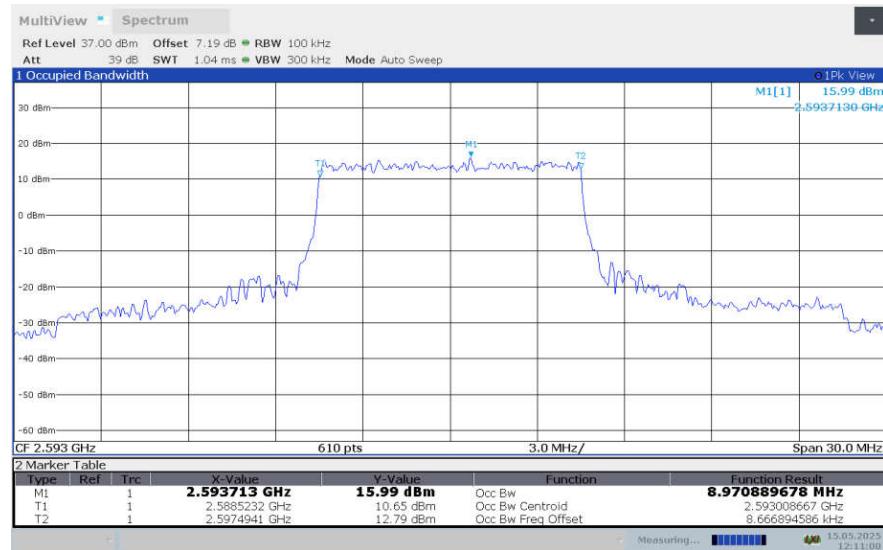
LTE band 41 , 10MHz Bandwidth,LOW,QPSK (99% BW)

LTE band 41 , 10MHz Bandwidth,LOW,16QAM (99% BW)

LTE band 41 , 10MHz Bandwidth,LOW,64QAM (99% BW)



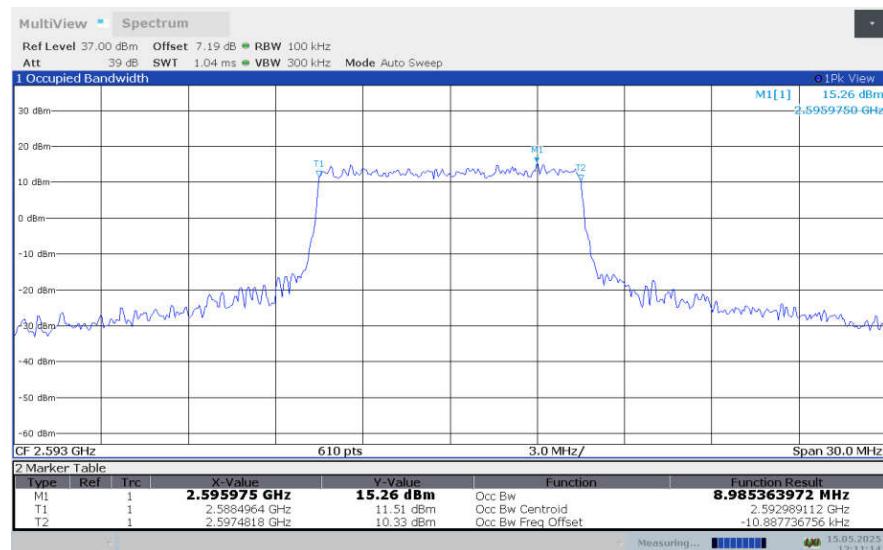
LTE band 41 , 10MHz Bandwidth,LOW,256QAM (99% BW)



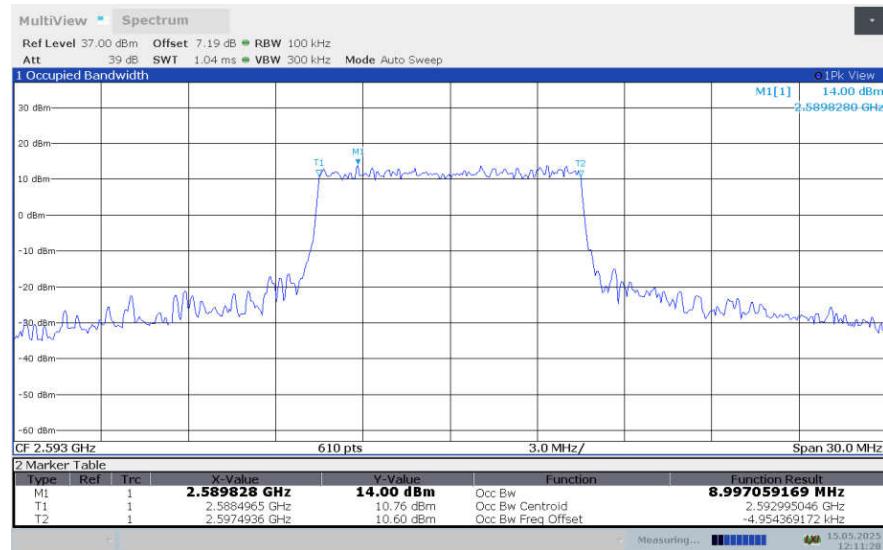
LTE band 41 , 10MHz Bandwidth,MID,QPSK (99% BW)



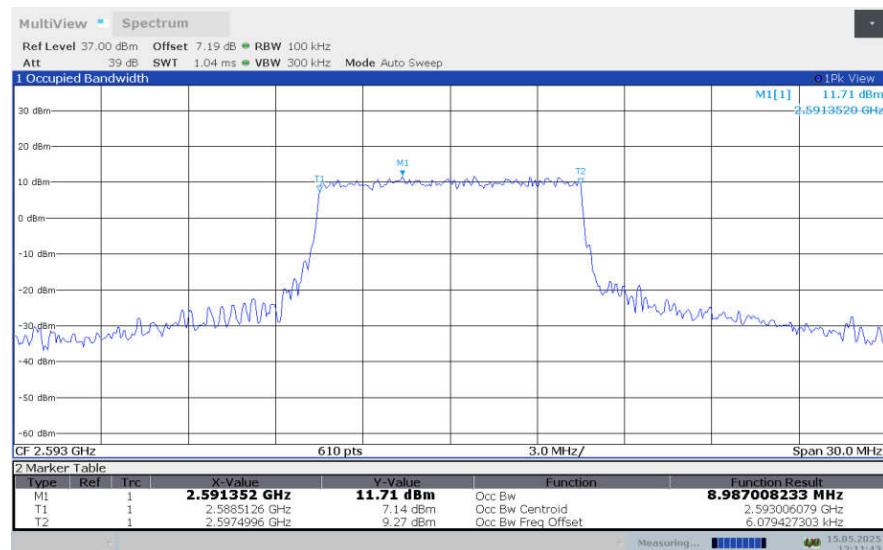
LTE band 41 , 10MHz Bandwidth,MID,16QAM (99% BW)



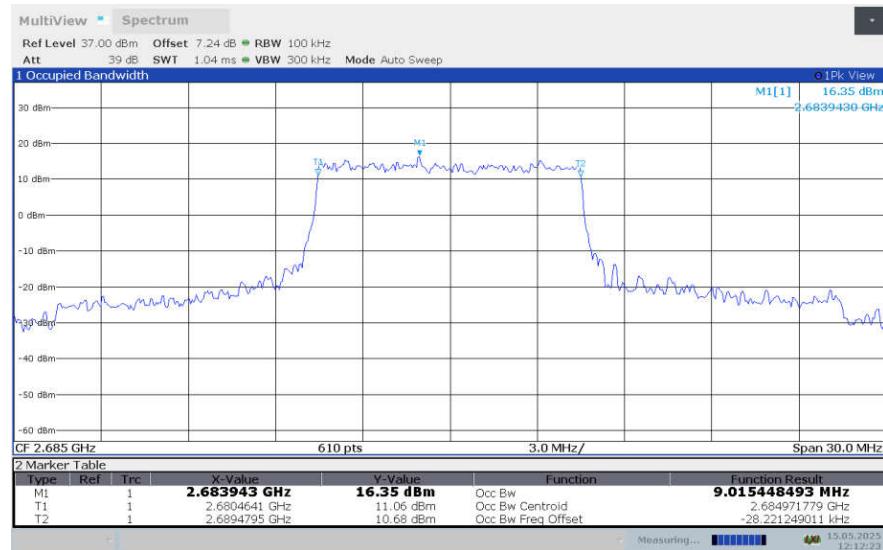
LTE band 41 , 10MHz Bandwidth,MID,64QAM (99% BW)



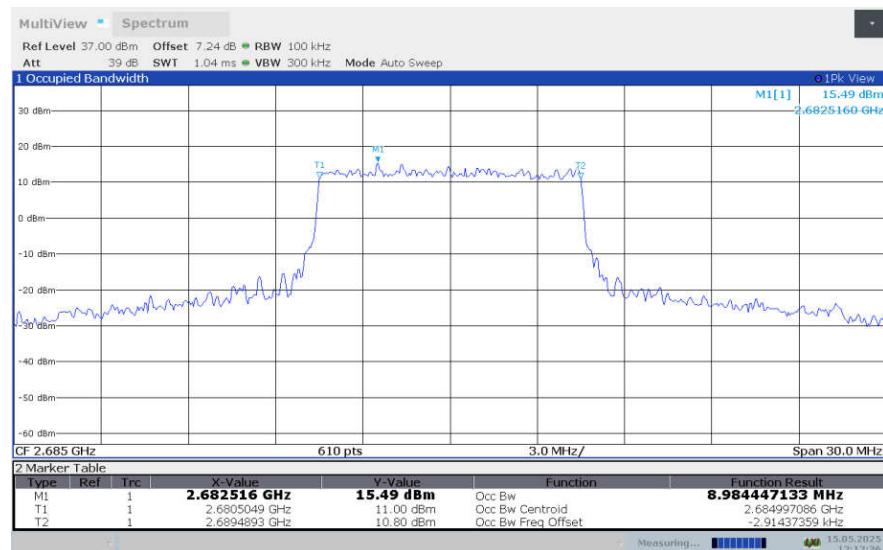
LTE band 41 , 10MHz Bandwidth,MID,256QAM (99% BW)



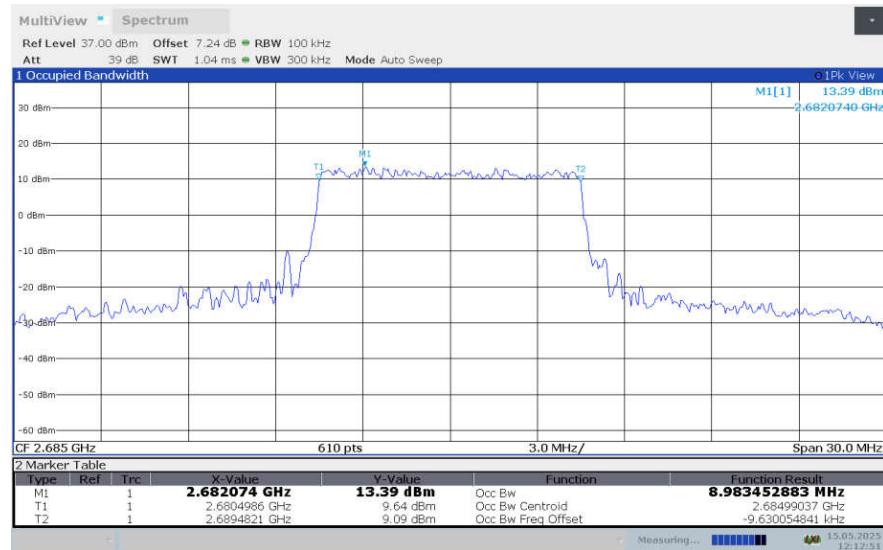
LTE band 41 , 10MHz Bandwidth,HIGH,QPSK (99% BW)



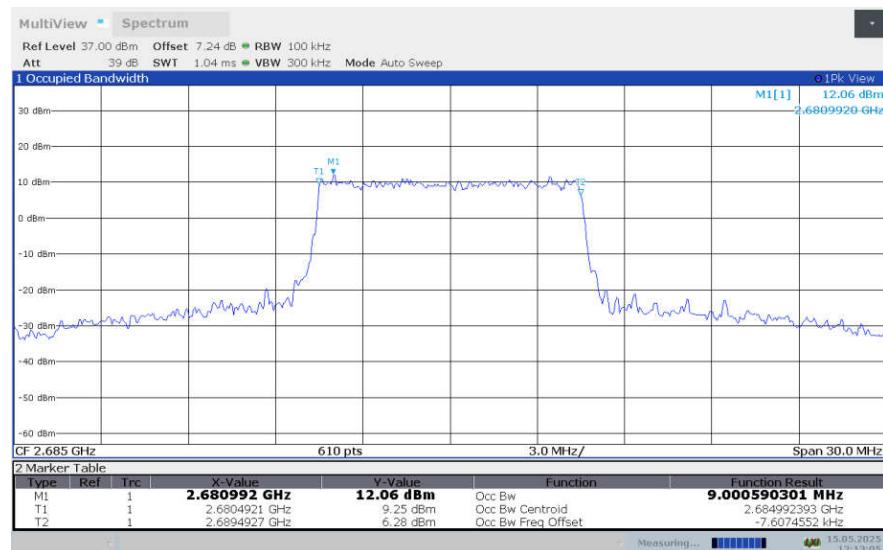
LTE band 41 , 10MHz Bandwidth,HIGH,16QAM (99% BW)



LTE band 41 , 10MHz Bandwidth,HIGH,64QAM (99% BW)

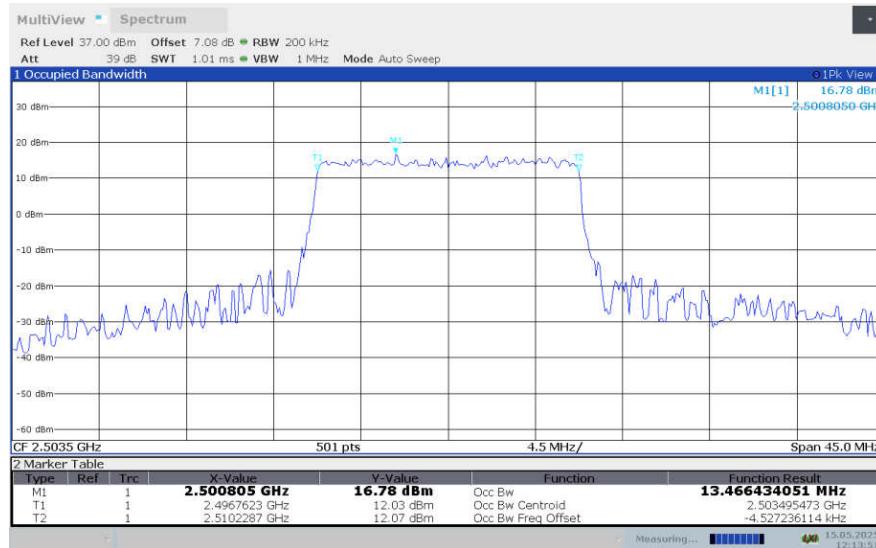
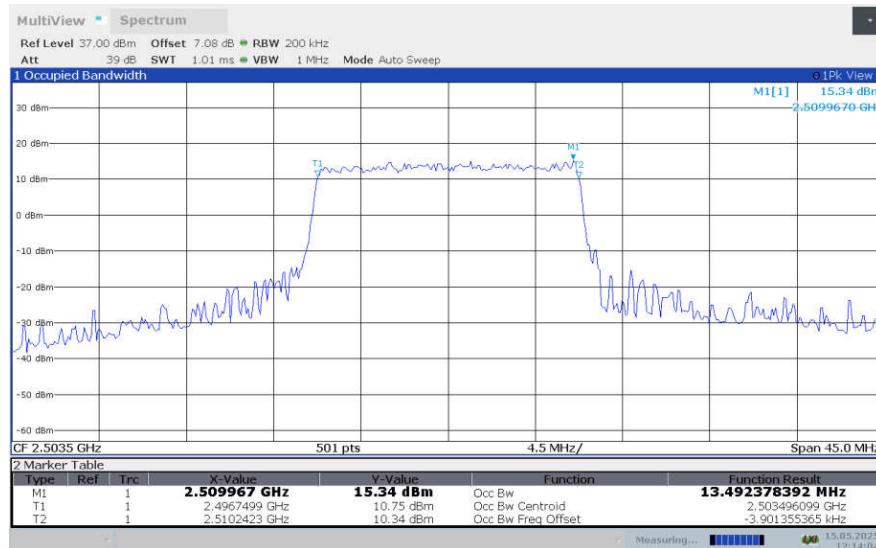


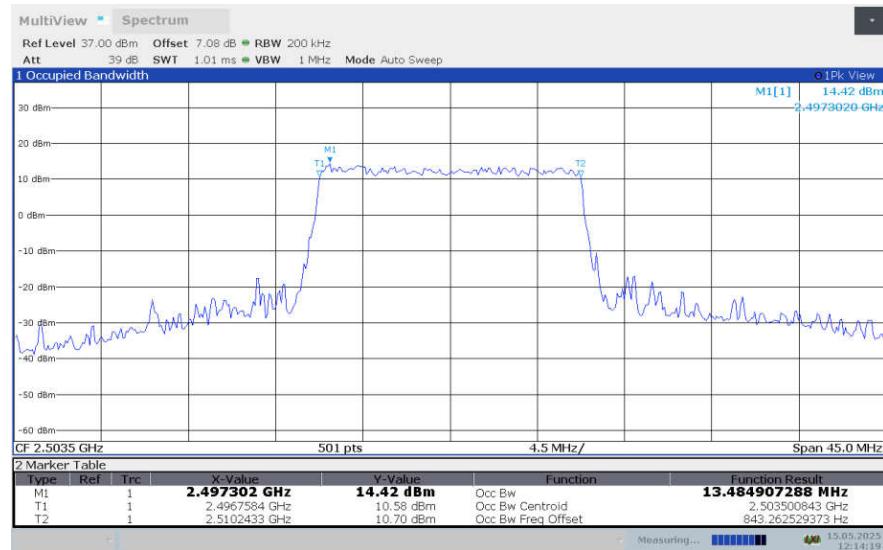
LTE band 41 , 10MHz Bandwidth,HIGH,256QAM (99% BW)



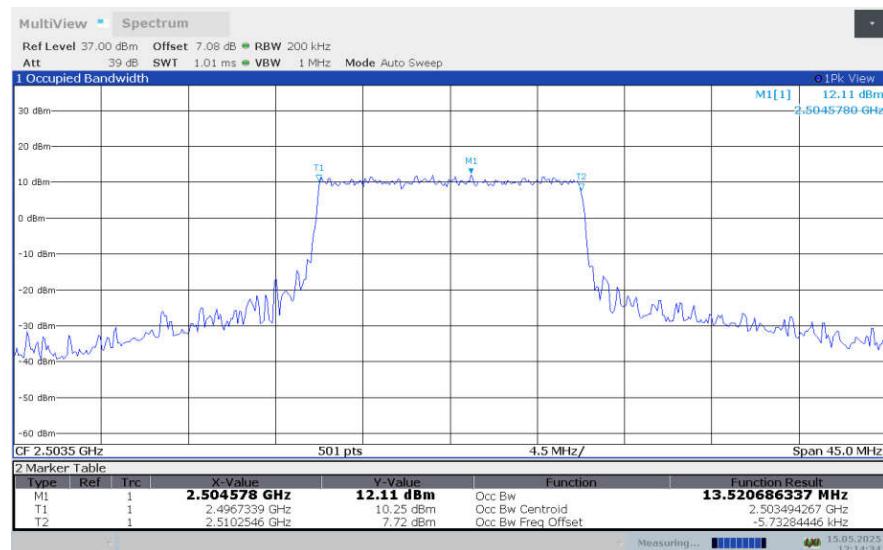
LTE band 41,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
2503.5	13.466	13.492	13.485	13.521
2593	13.482	13.479	13.540	13.475
2682.5	13.501	13.527	13.472	13.506

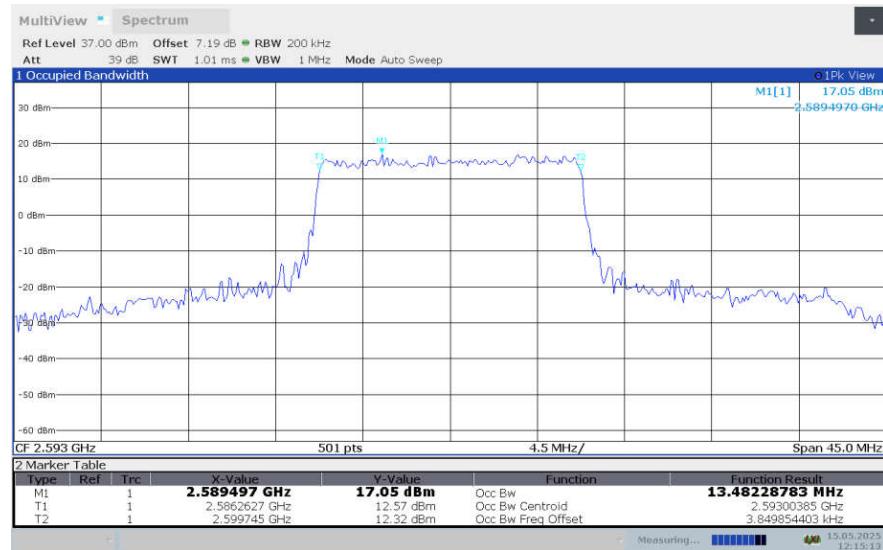
LTE band 41 , 15MHz Bandwidth,LOW,QPSK (99% BW)

LTE band 41 , 15MHz Bandwidth,LOW,16QAM (99% BW)

LTE band 41 , 15MHz Bandwidth,LOW,64QAM (99% BW)



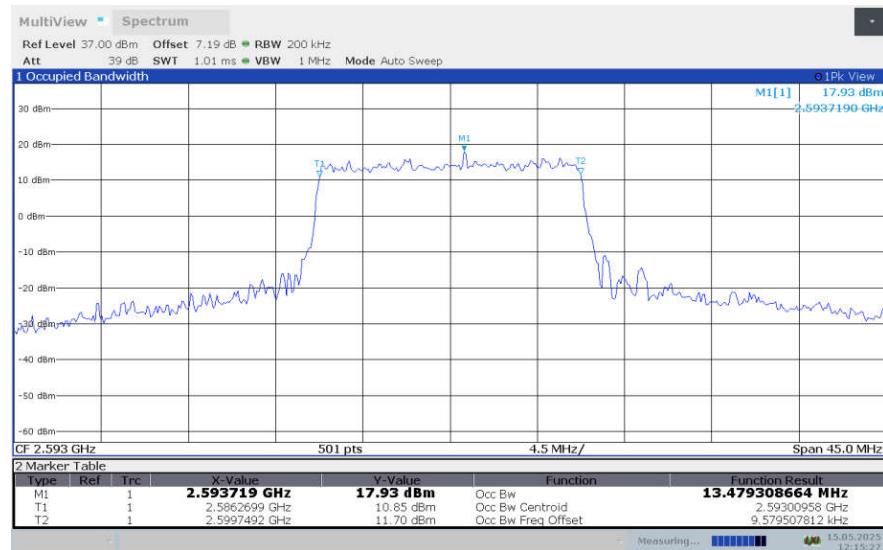
LTE band 41 , 15MHz Bandwidth,LOW,256QAM (99% BW)



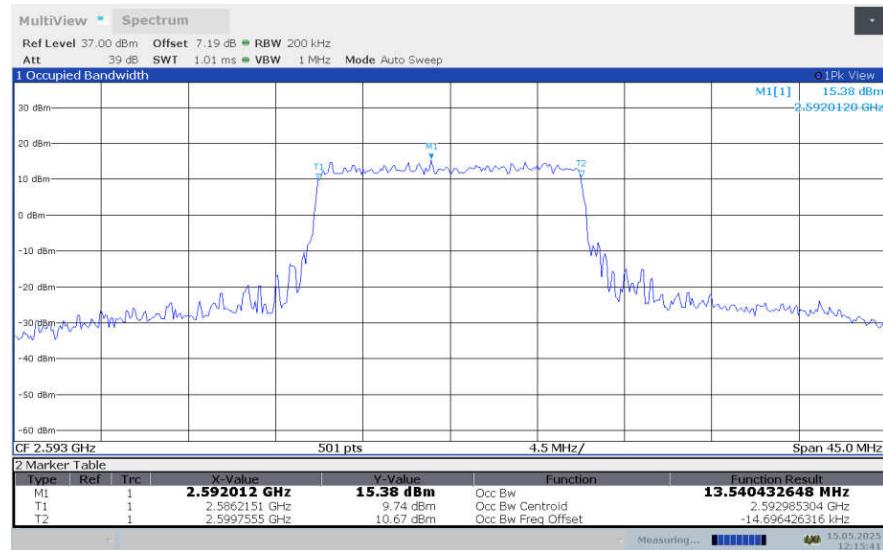
LTE band 41 , 15MHz Bandwidth,MID,QPSK (99% BW)



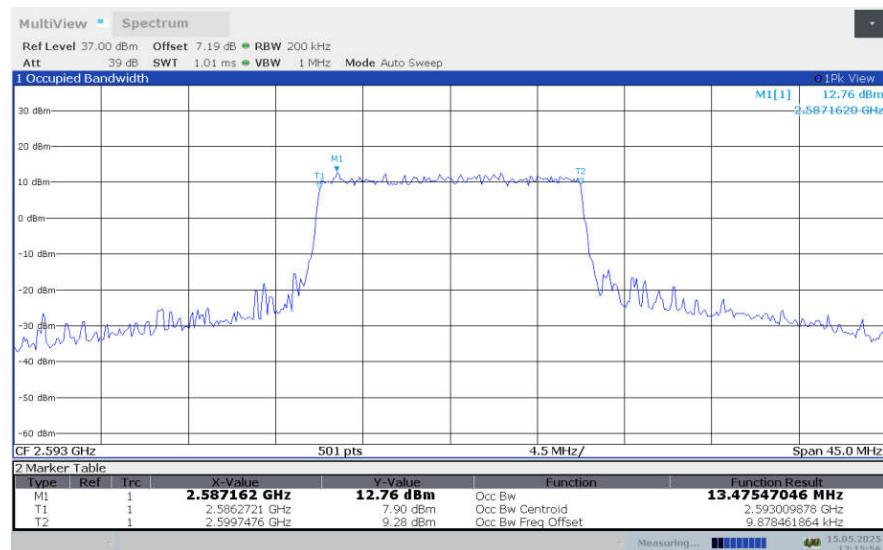
LTE band 41 , 15MHz Bandwidth,MID,16QAM (99% BW)



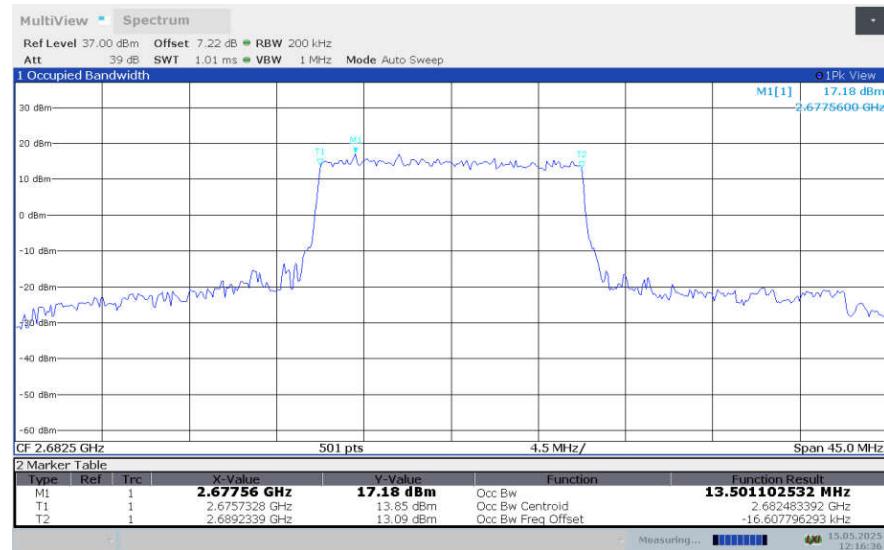
LTE band 41 , 15MHz Bandwidth,MID,64QAM (99% BW)



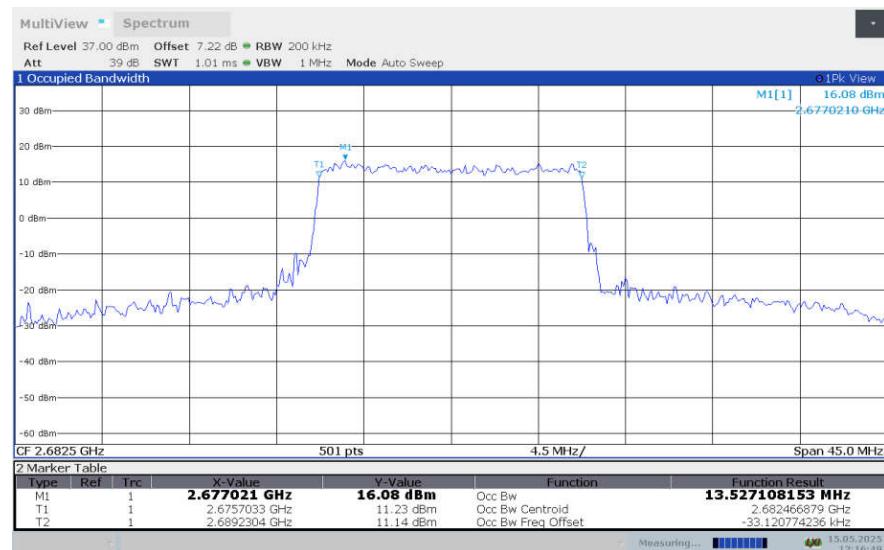
LTE band 41 , 15MHz Bandwidth,MID,256QAM (99% BW)



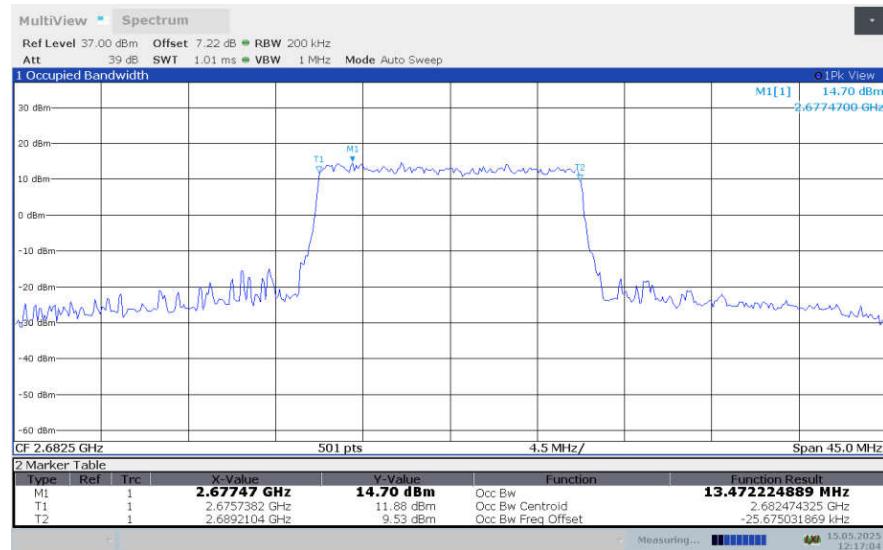
LTE band 41 , 15MHz Bandwidth,HIGH,QPSK (99% BW)



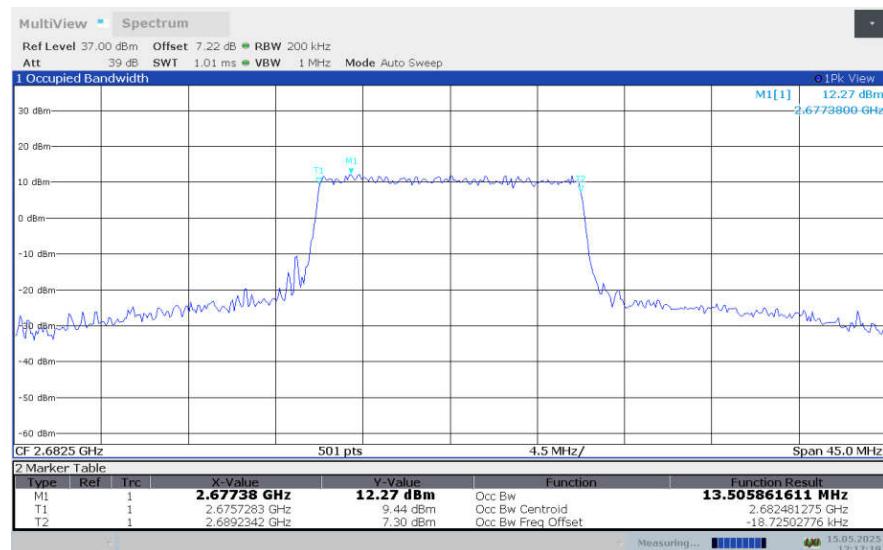
LTE band 41 , 15MHz Bandwidth,HIGH,16QAM (99% BW)



LTE band 41 , 15MHz Bandwidth,HIGH,64QAM (99% BW)

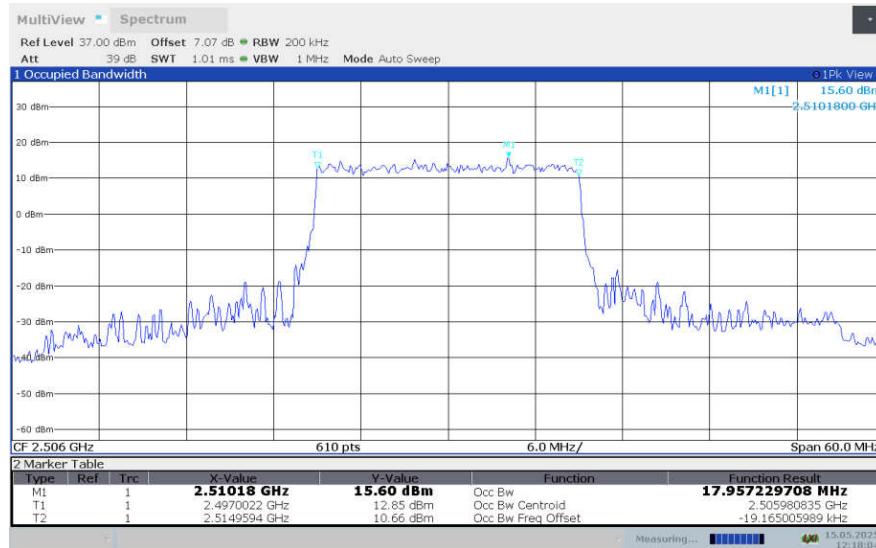
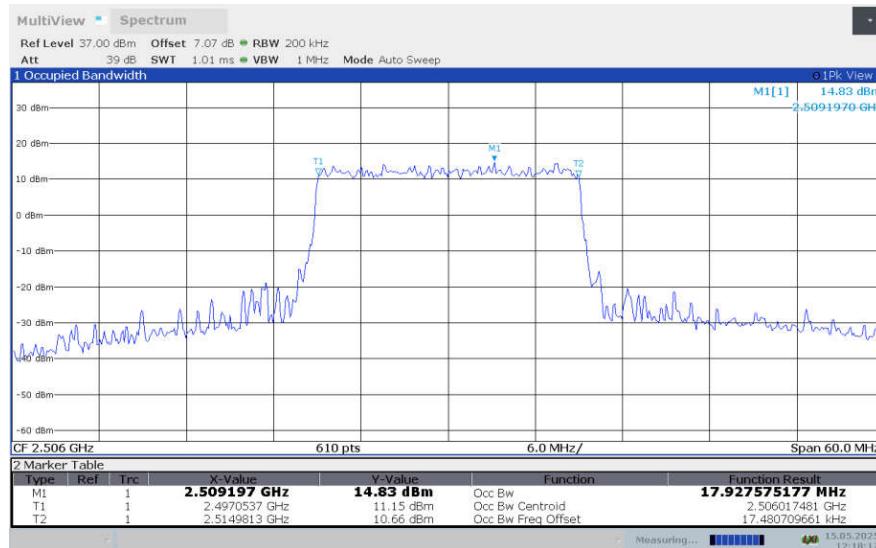


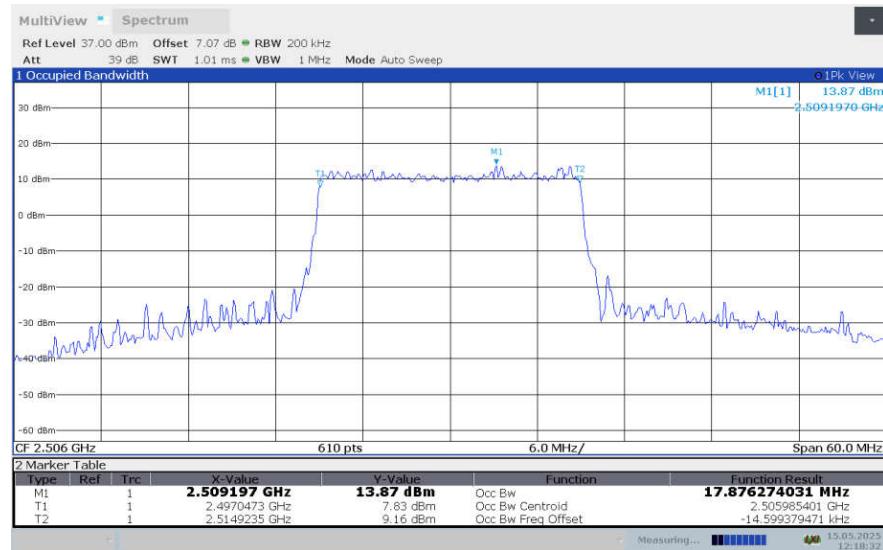
LTE band 41 , 15MHz Bandwidth,HIGH,256QAM (99% BW)



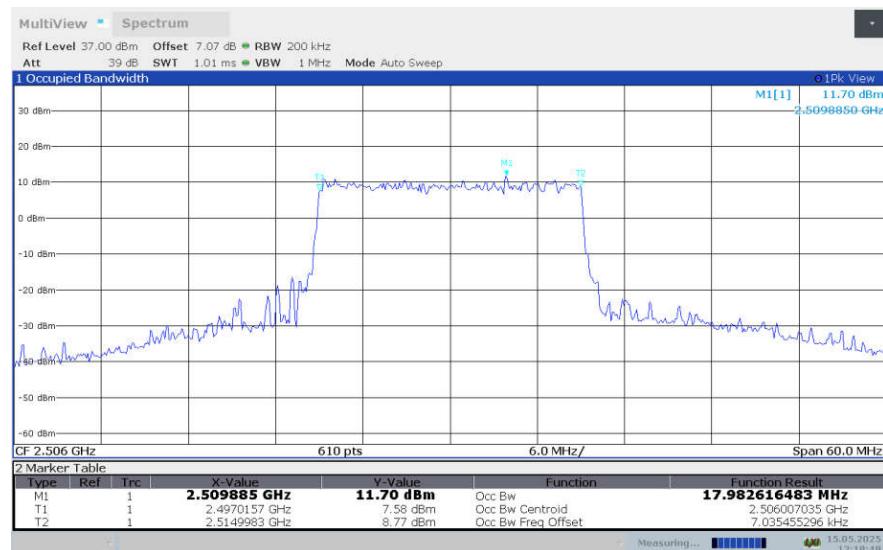
LTE band 41,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
2506	17.957	17.928	17.876	17.983
2593	17.897	18.006	17.932	17.966
2680	17.914	17.936	17.949	17.941

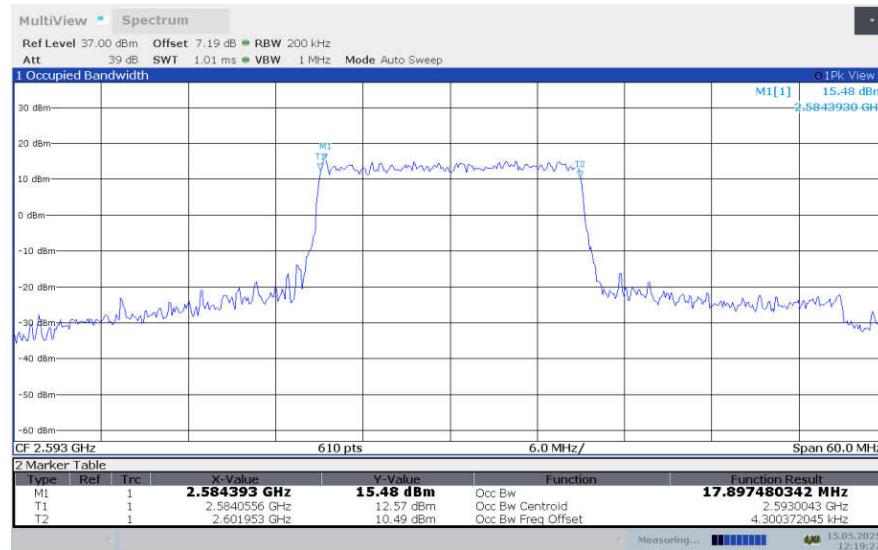
LTE band 41 , 20MHz Bandwidth,LOW,QPSK (99% BW)

LTE band 41 , 20MHz Bandwidth,LOW,16QAM (99% BW)

LTE band 41 , 20MHz Bandwidth,LOW,64QAM (99% BW)



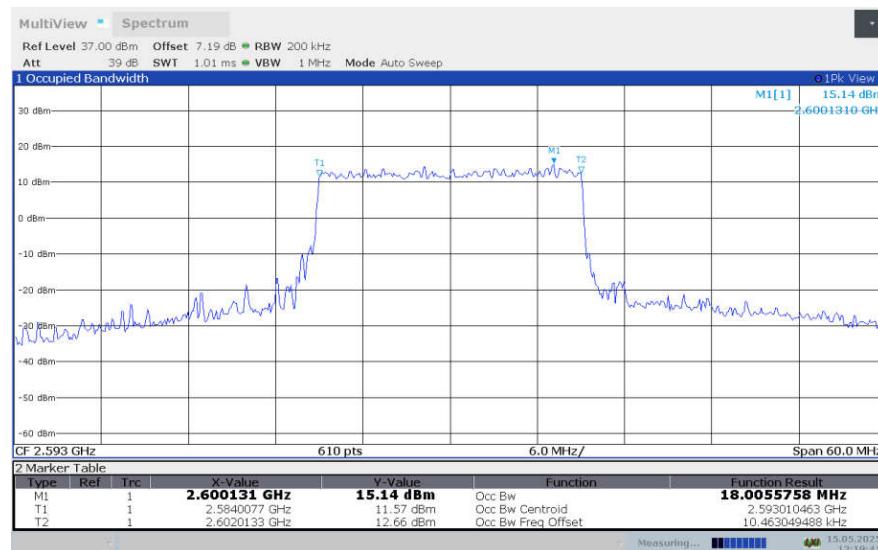
LTE band 41 , 20MHz Bandwidth,LOW,256QAM (99% BW)



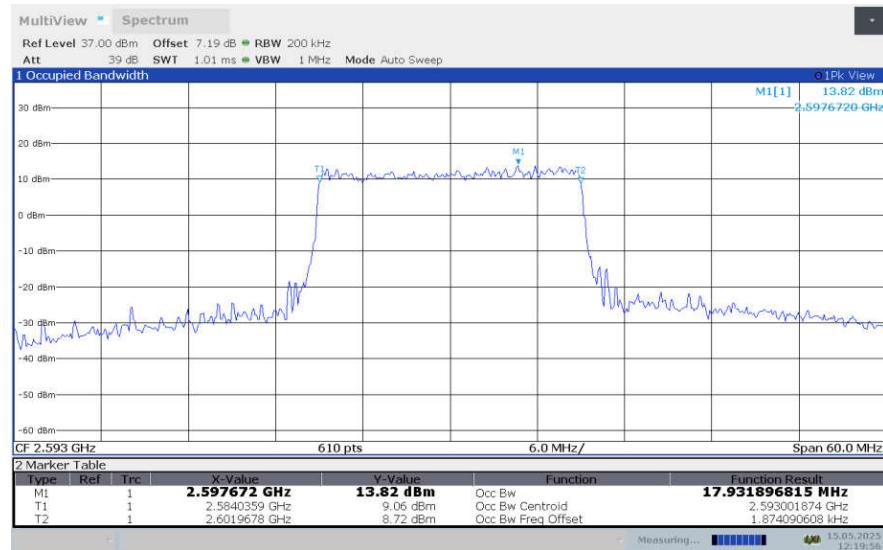
LTE band 41 , 20MHz Bandwidth,MID,QPSK (99% BW)



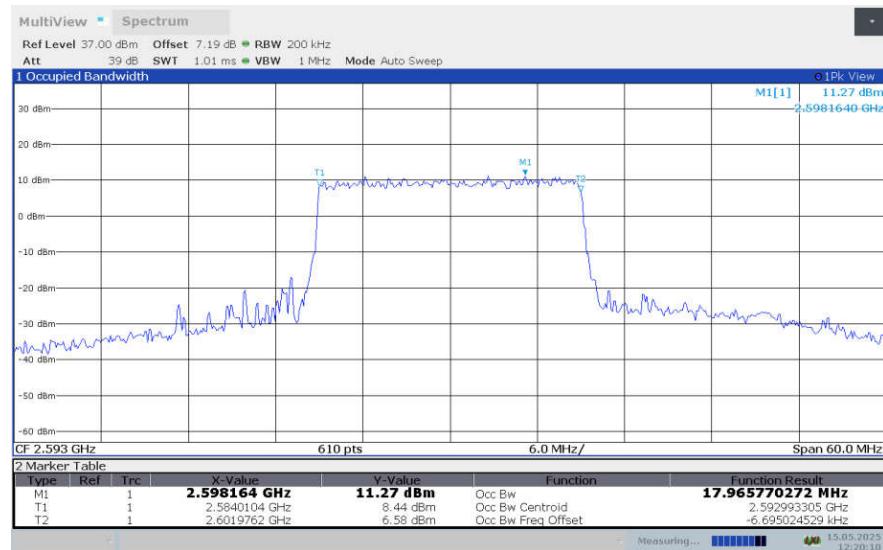
LTE band 41 , 20MHz Bandwidth,MID,16QAM (99% BW)



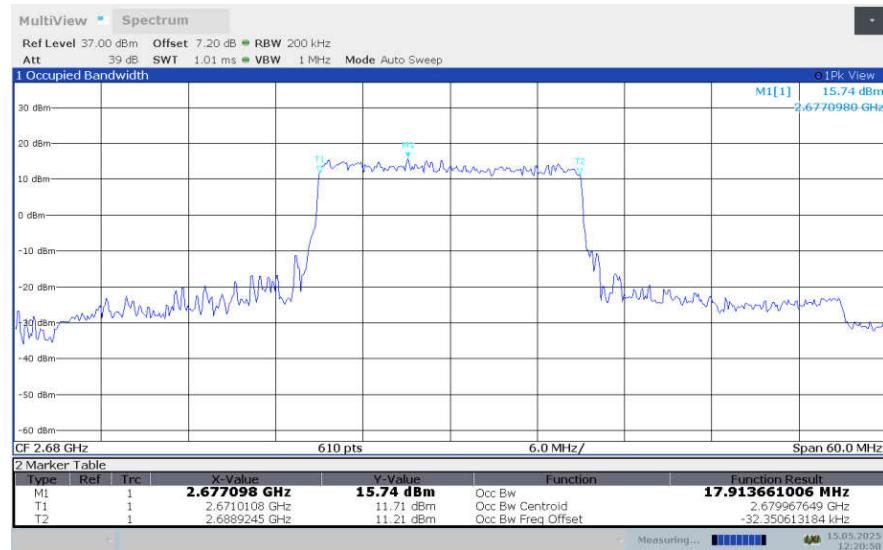
LTE band 41 , 20MHz Bandwidth,MID,64QAM (99% BW)



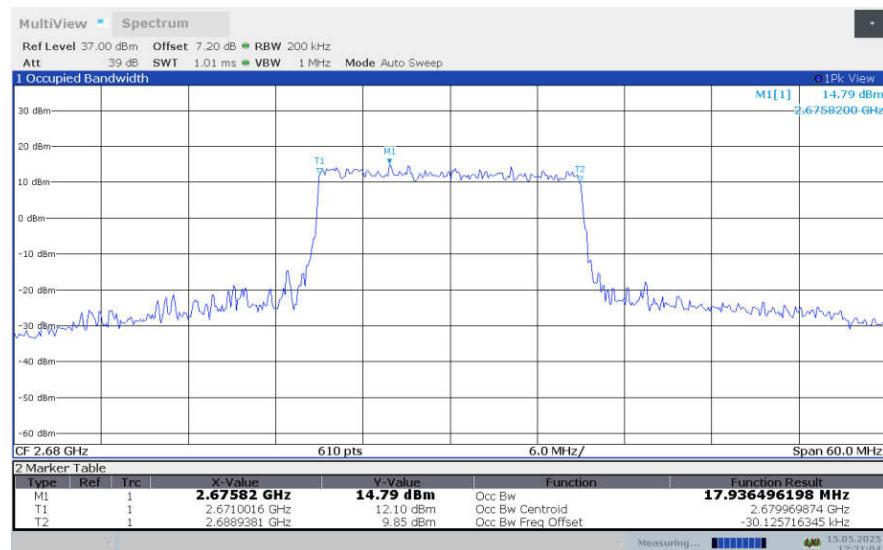
LTE band 41 , 20MHz Bandwidth,MID,256QAM (99% BW)



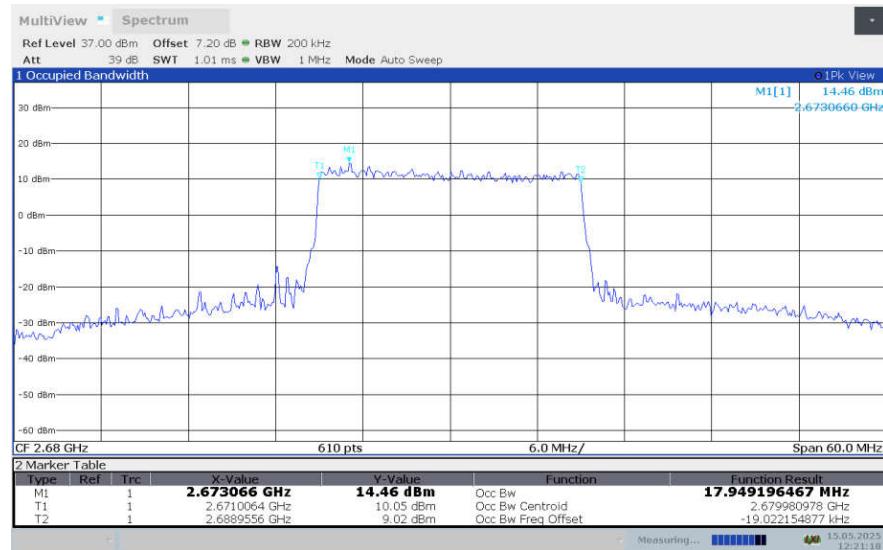
LTE band 41 , 20MHz Bandwidth,HIGH,QPSK (99% BW)



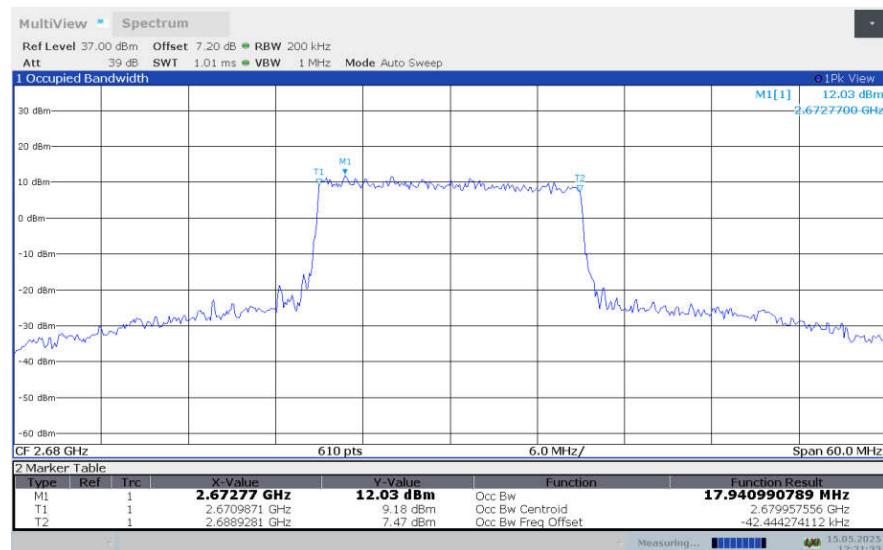
LTE band 41 , 20MHz Bandwidth,HIGH,16QAM (99% BW)



LTE band 41 , 20MHz Bandwidth,HIGH,64QAM (99% BW)

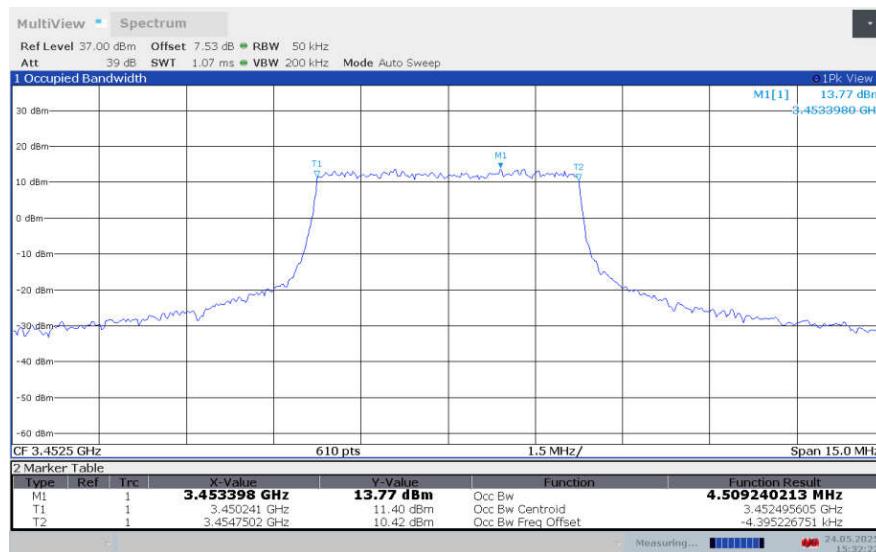
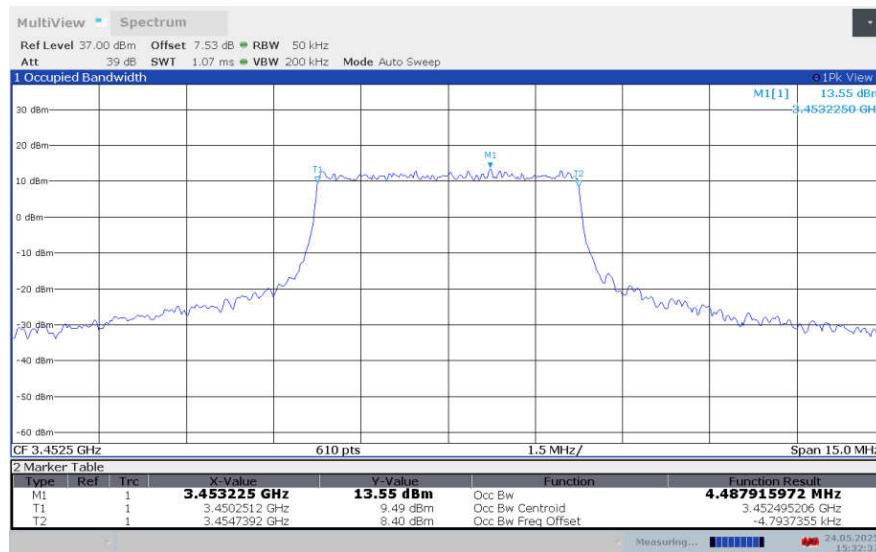


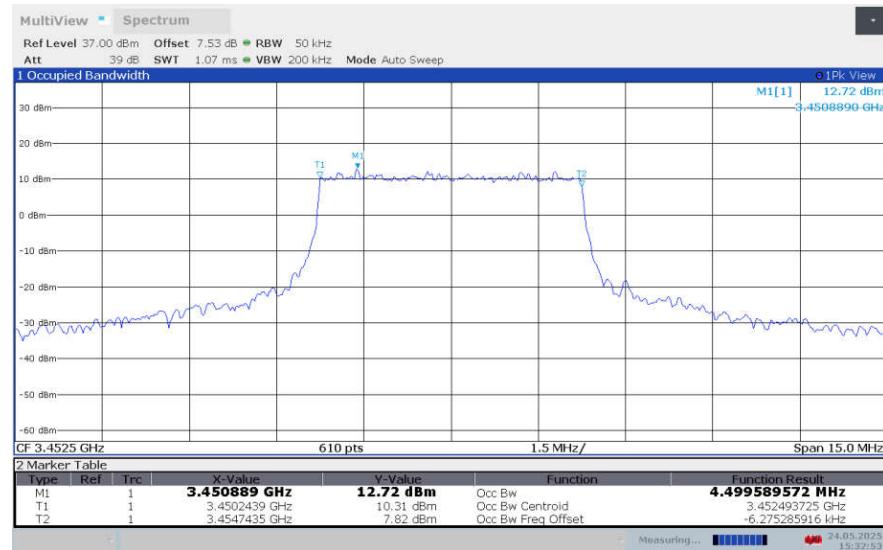
LTE band 41 , 20MHz Bandwidth,HIGH,256QAM (99% BW)



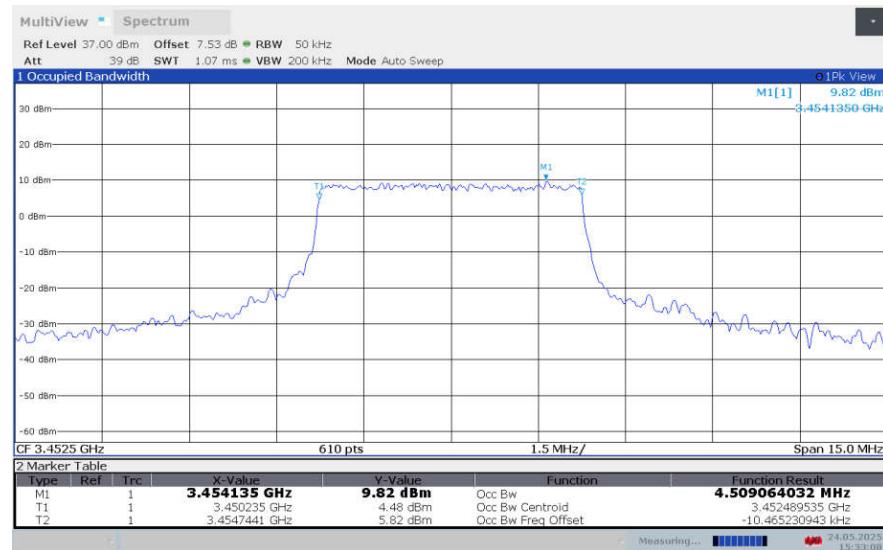
LTE band 42_Part27,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
3452.5	4.509	4.488	4.500	4.509
3500	4.492	4.494	4.492	4.500
3547.5	4.492	4.490	4.496	4.487

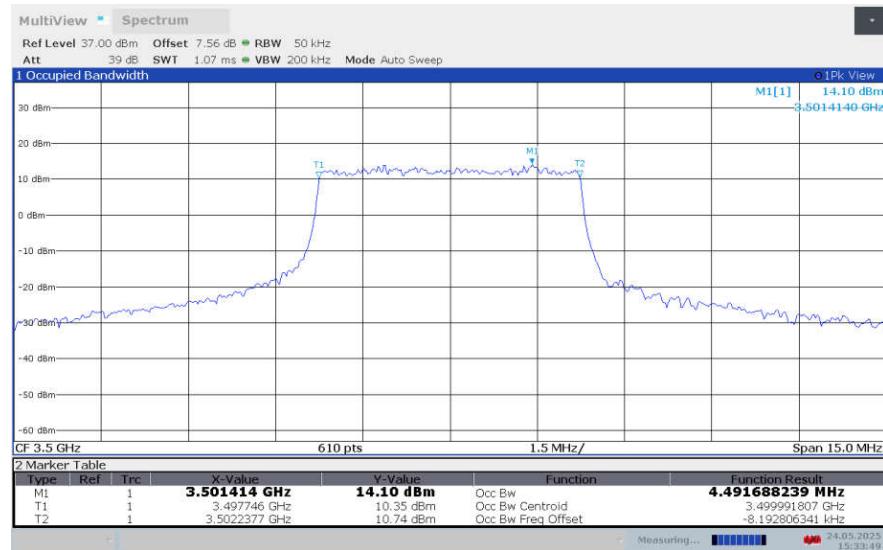
LTE band 42 , 5MHz Bandwidth,LOW,QPSK (99% BW)

LTE band 42 , 5MHz Bandwidth,LOW,16QAM (99% BW)

LTE band 42 , 5MHz Bandwidth,LOW,64QAM (99% BW)



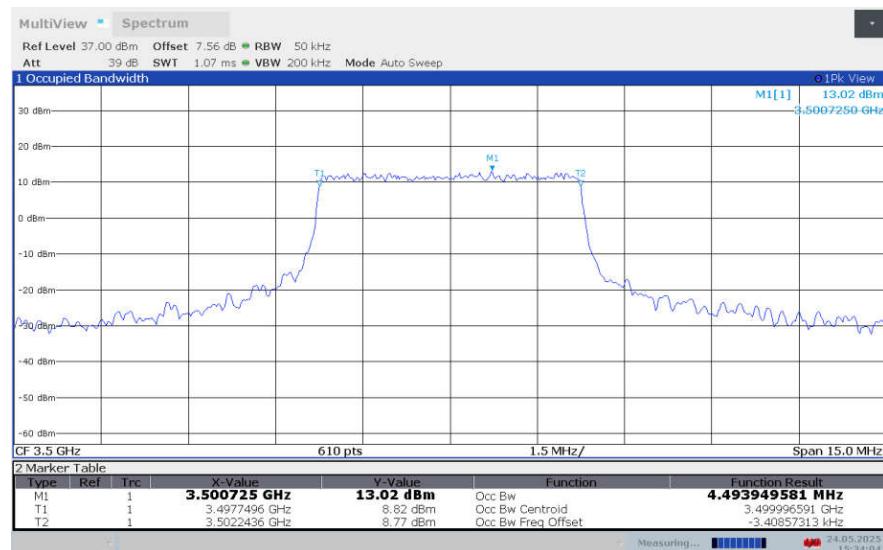
LTE band 42 , 5MHz Bandwidth,LOW,256QAM (99% BW)



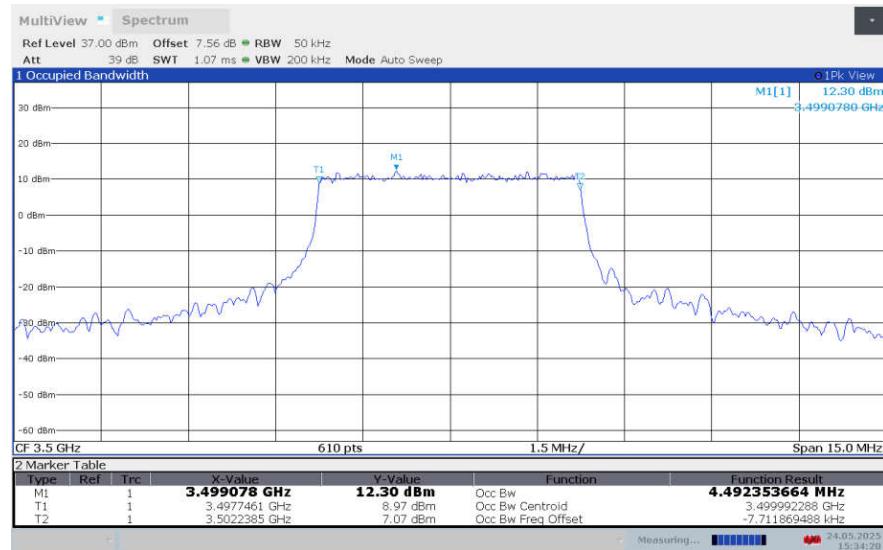
LTE band 42 , 5MHz Bandwidth,MID,QPSK (99% BW)



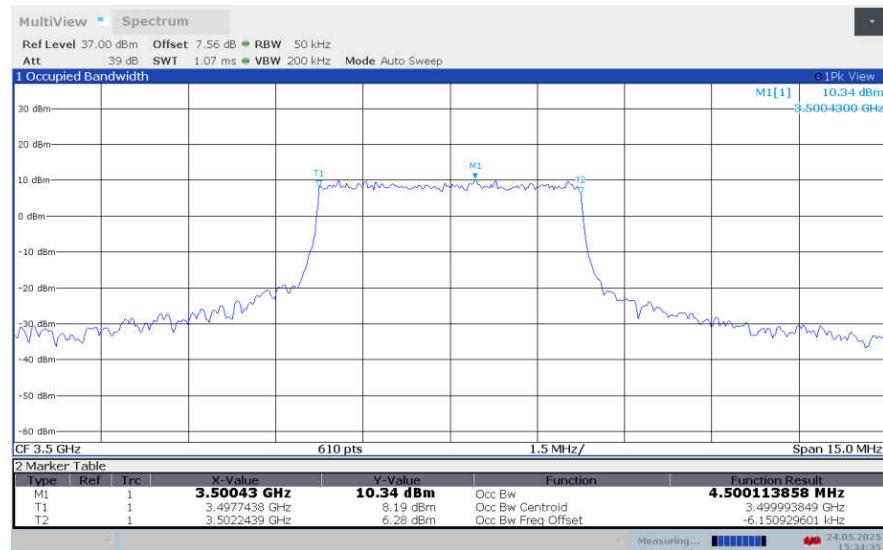
LTE band 42 , 5MHz Bandwidth,MID,16QAM (99% BW)



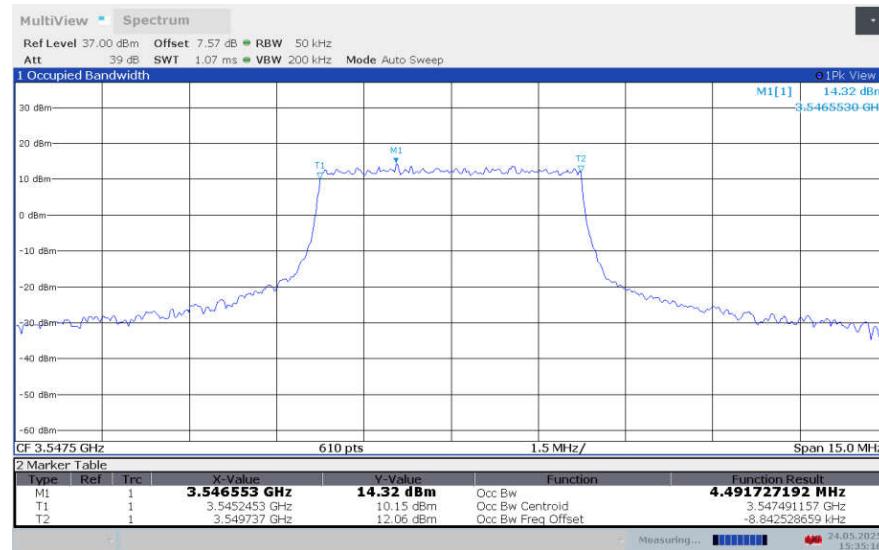
LTE band 42 , 5MHz Bandwidth,MID,64QAM (99% BW)



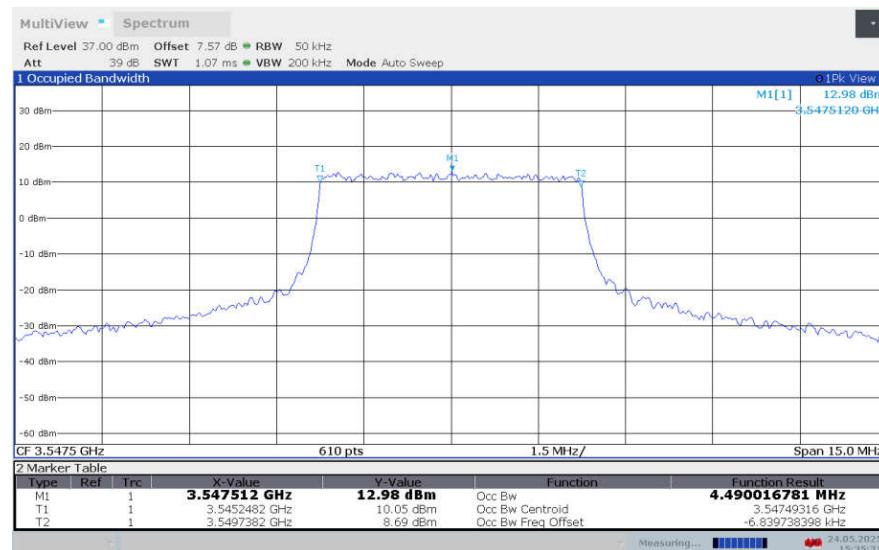
LTE band 42 , 5MHz Bandwidth,MID,256QAM (99% BW)



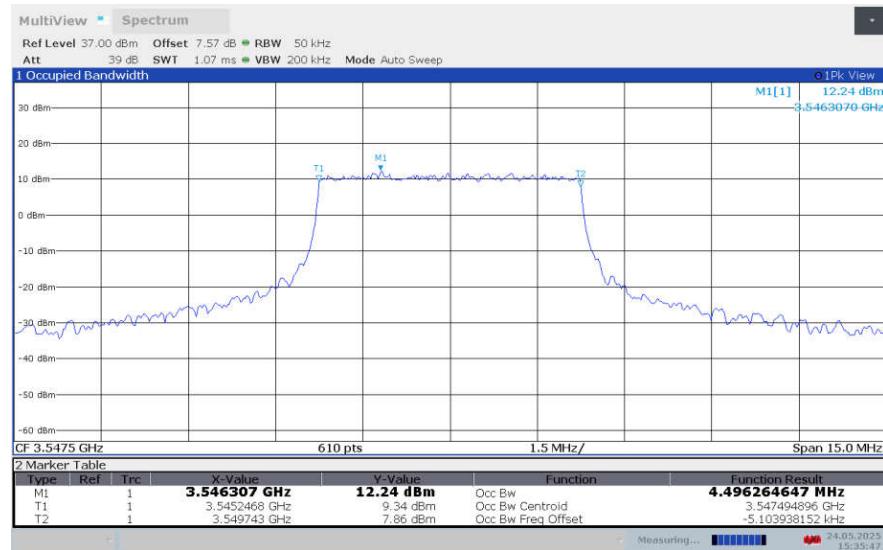
LTE band 42 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



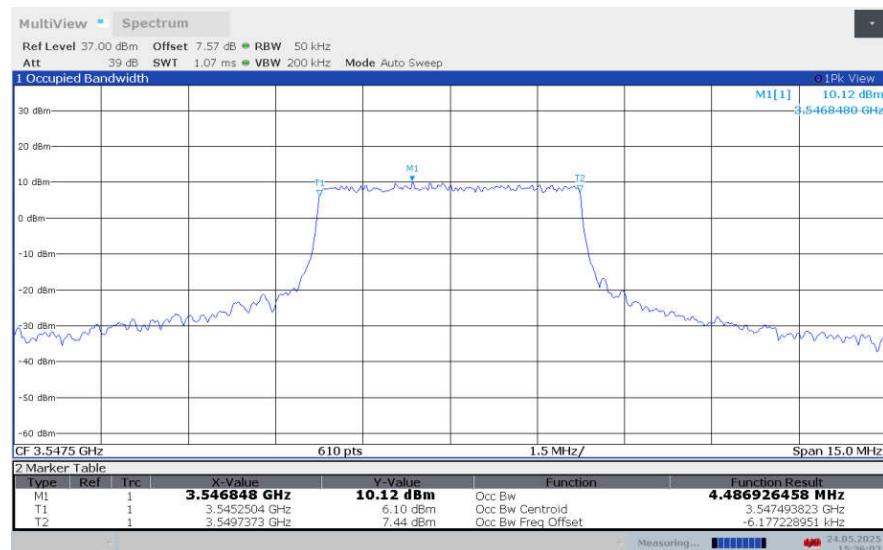
LTE band 42 , 5MHz Bandwidth,HIGH,16QAM (99% BW)



LTE band 42 , 5MHz Bandwidth,HIGH,64QAM (99% BW)

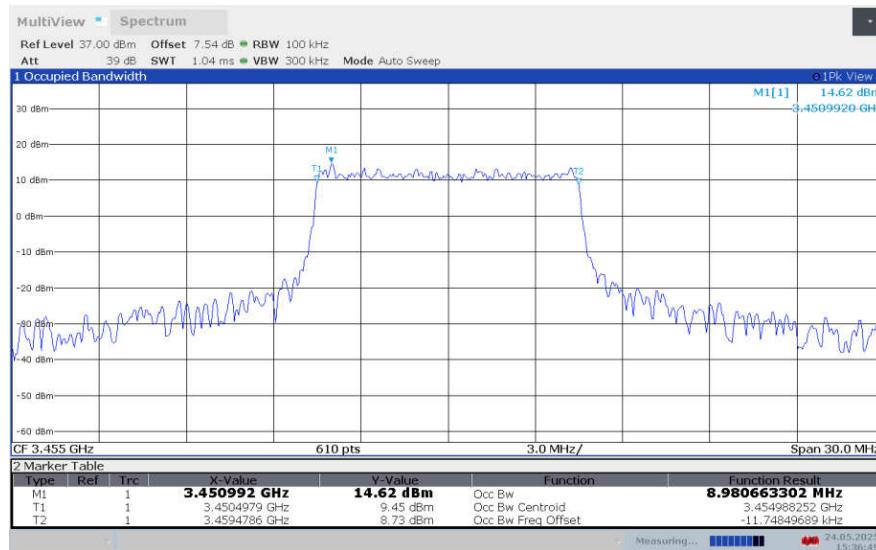
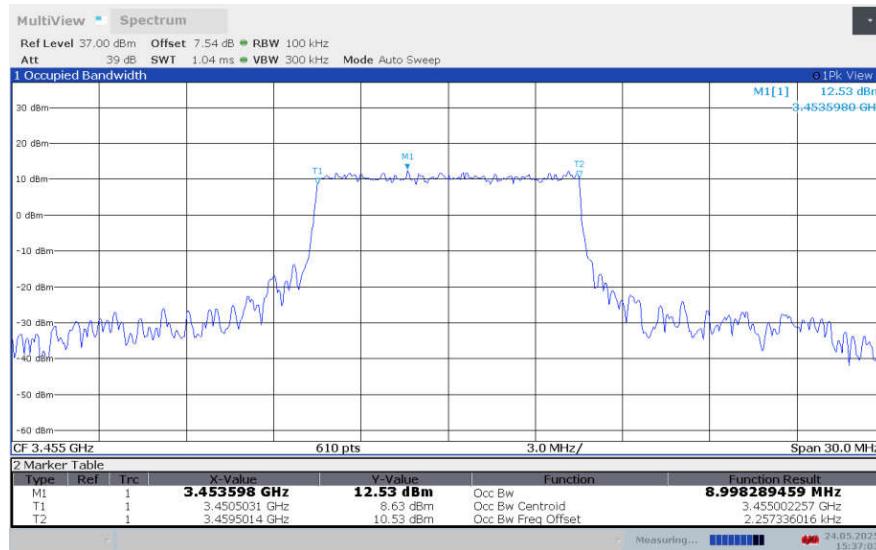


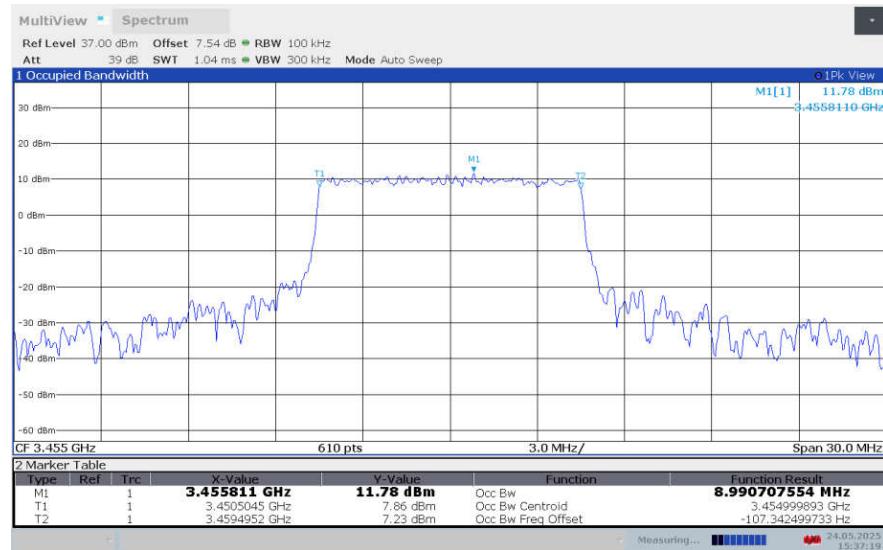
LTE band 42 , 5MHz Bandwidth,HIGH,256QAM (99% BW)



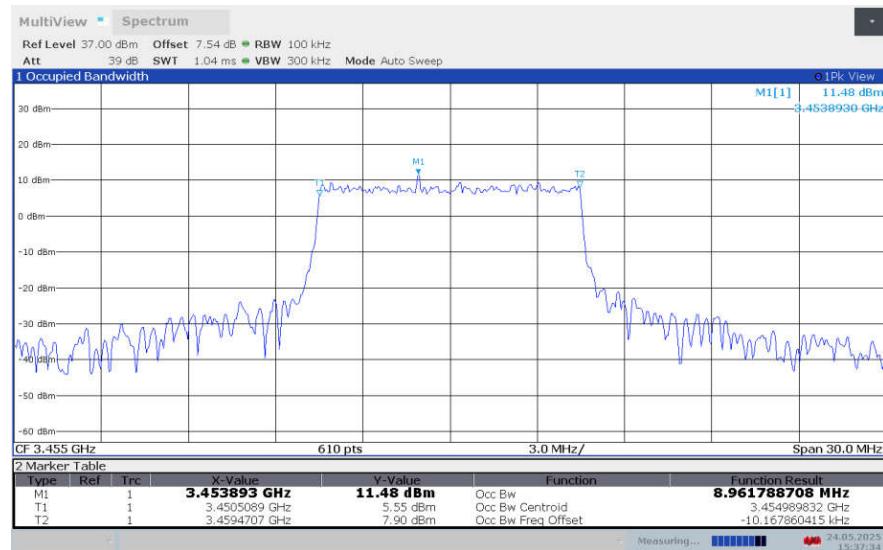
LTE band 42_Part27,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)			
	QPSK	16QAM	64QAM	256QAM
3455	8.981	8.998	8.991	8.962
3500	8.990	8.981	8.987	8.966
3545	8.975	8.980	8.990	8.965

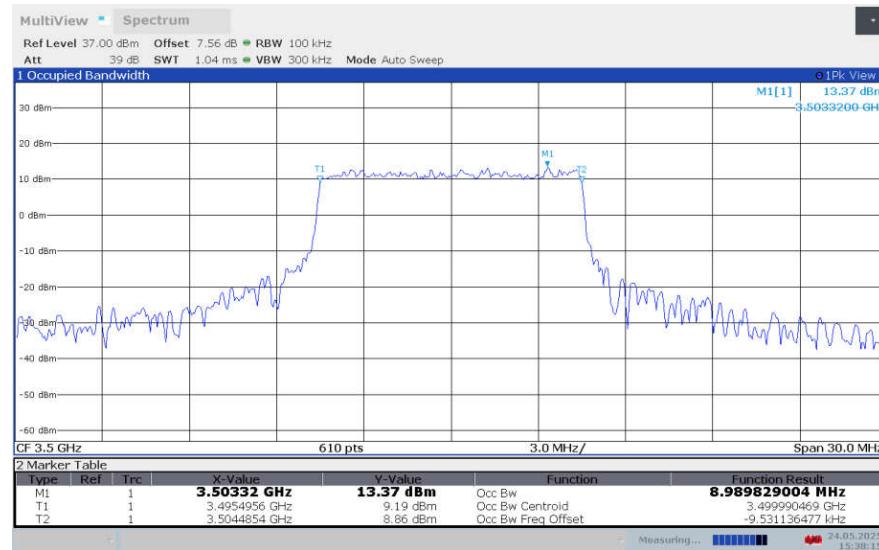
LTE band 42 , 10MHz Bandwidth,LOW,QPSK (99% BW)

LTE band 42 , 10MHz Bandwidth,LOW,16QAM (99% BW)

LTE band 42 , 10MHz Bandwidth,LOW,64QAM (99% BW)



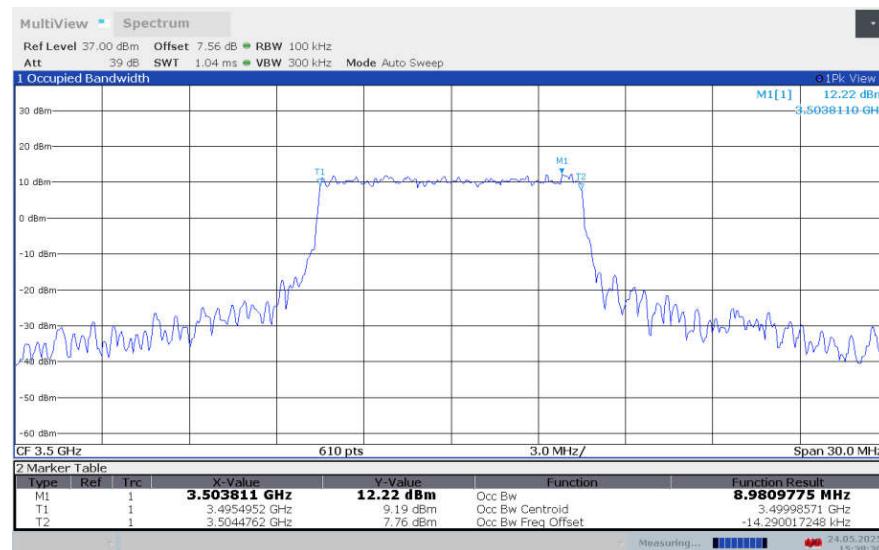
LTE band 42 , 10MHz Bandwidth,LOW,256QAM (99% BW)



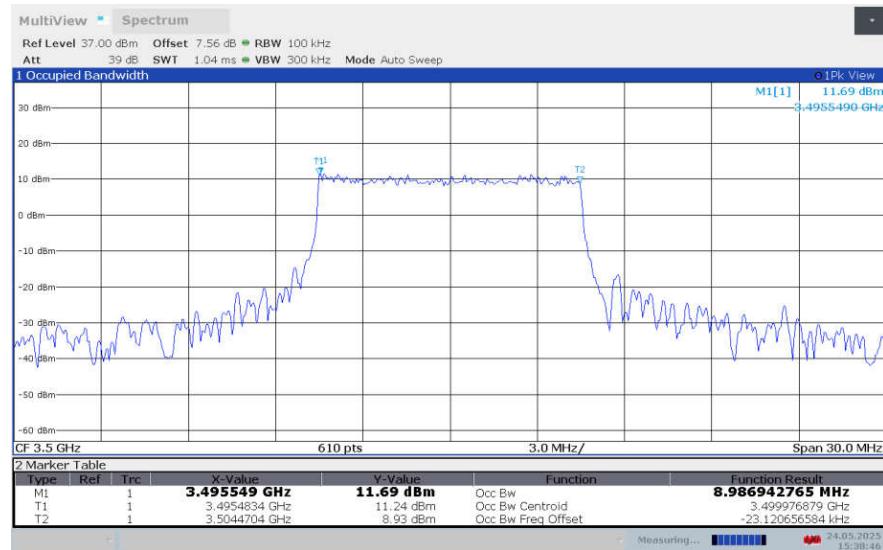
LTE band 42 , 10MHz Bandwidth,MID,QPSK (99% BW)



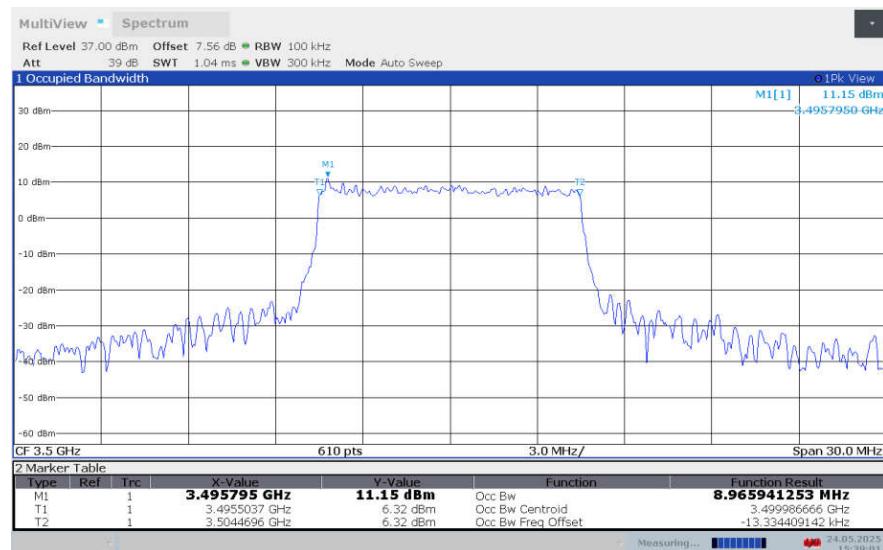
LTE band 42 , 10MHz Bandwidth,MID,16QAM (99% BW)



LTE band 42 , 10MHz Bandwidth,MID,64QAM (99% BW)



LTE band 42 , 10MHz Bandwidth,MID,256QAM (99% BW)



LTE band 42 , 10MHz Bandwidth,HIGH,QPSK (99% BW)