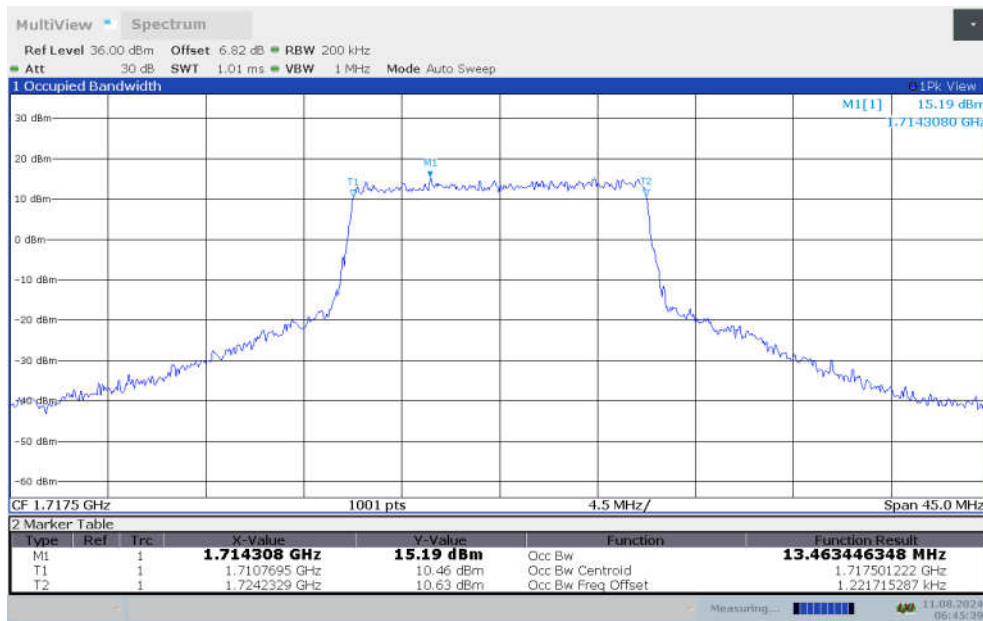




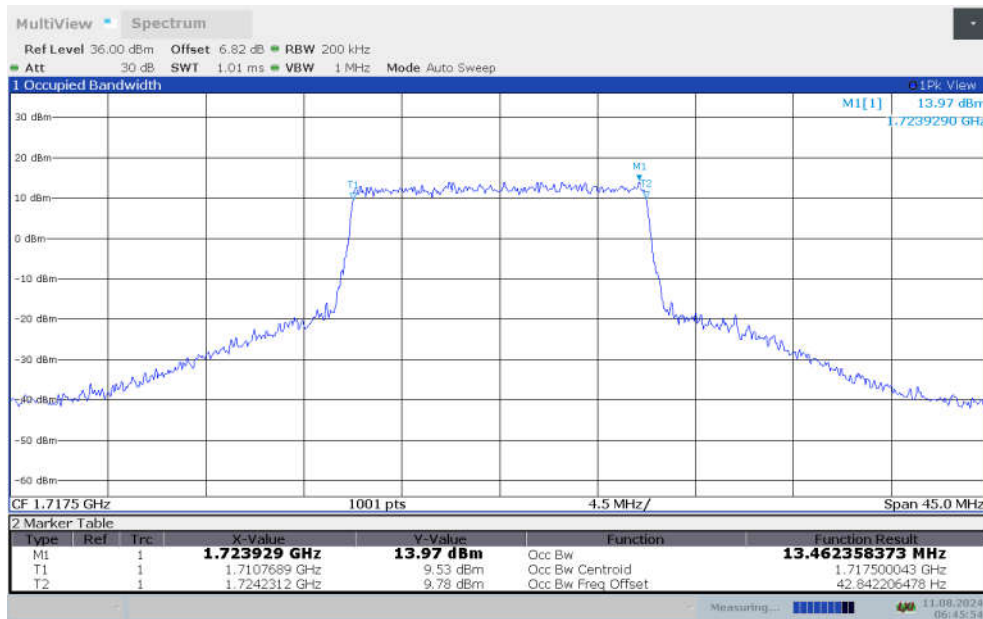
LTE Band 4,15MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1717.5	13.463	13.462
1732.5	13.475	13.476
1747.5	13.438	13.485

LTE Band 4 , 15MHz Bandwidth,LOW,QPSK (99% BW)



LTE Band 4 , 15MHz Bandwidth,LOW,16QAM (99% BW)

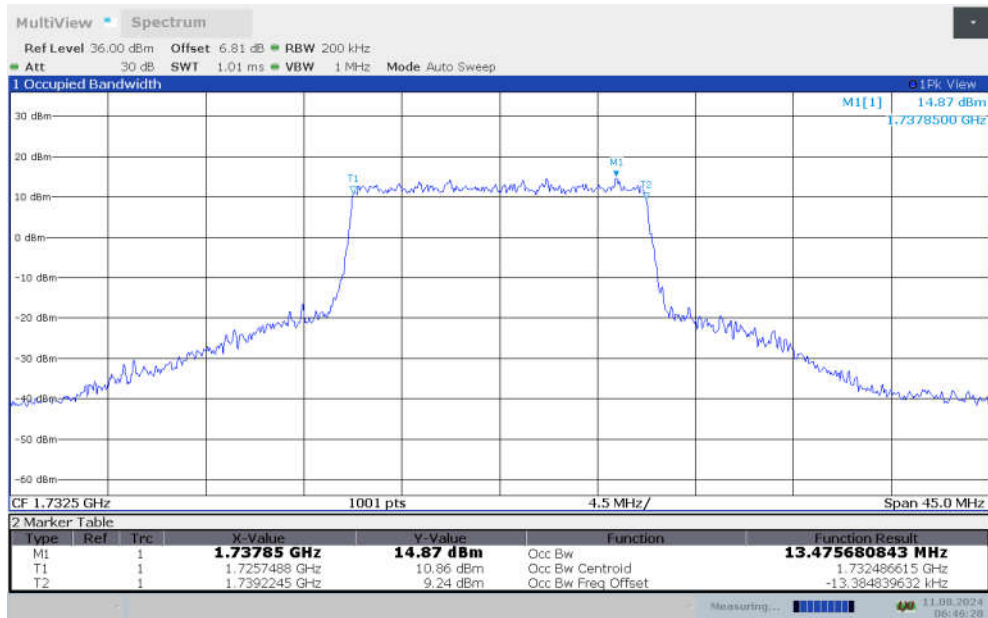




LTE Band 4 , 15MHz Bandwidth,MID,QPSK (99% BW)

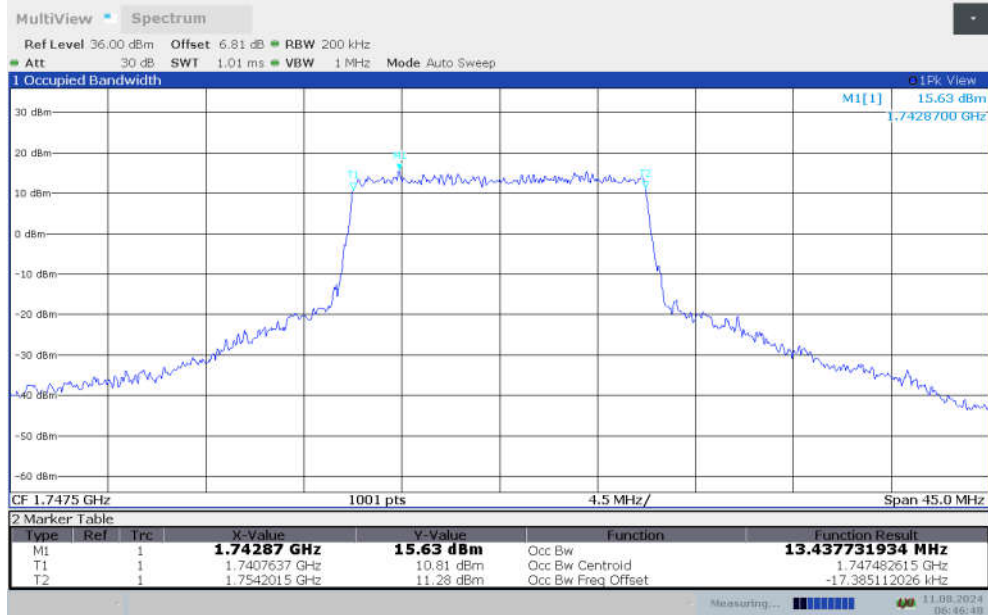


LTE Band 4 , 15MHz Bandwidth,MID,16QAM (99% BW)

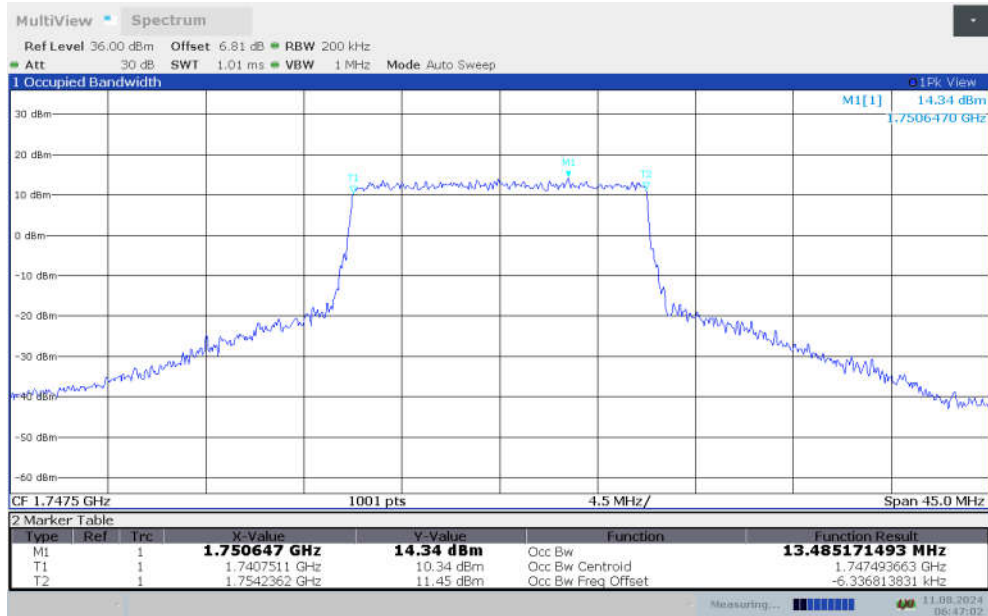




LTE Band 4 , 15MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 4 , 15MHz Bandwidth,HIGH,16QAM (99% BW)

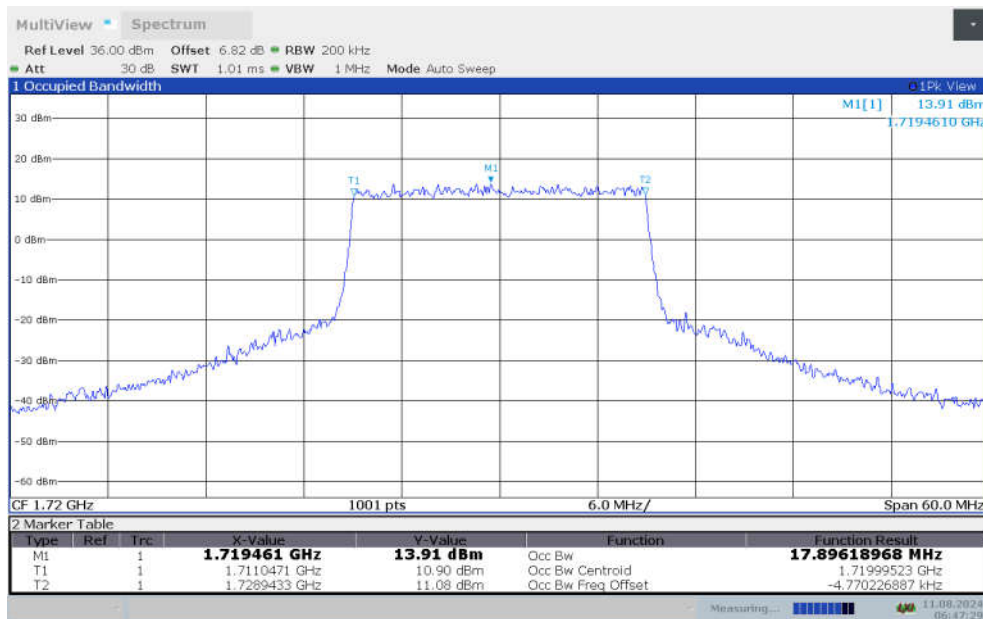




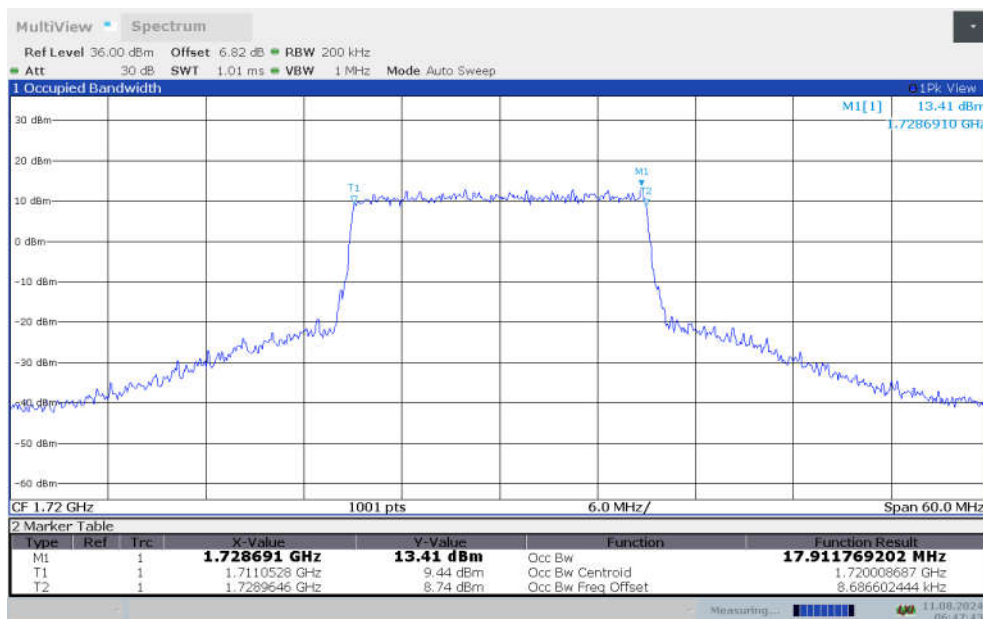
LTE Band 4,20MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
1720	17.896	17.912
1732.5	17.891	17.905
1745	17.891	17.921

LTE Band 4 , 20MHz Bandwidth,LOW,QPSK (99% BW)

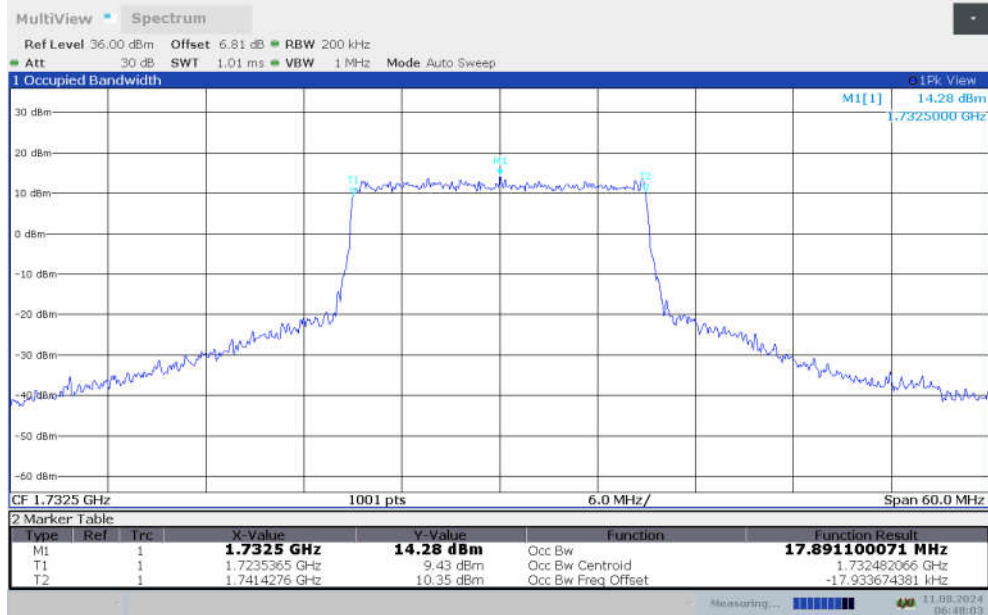


LTE Band 4 , 20MHz Bandwidth,LOW,16QAM (99% BW)

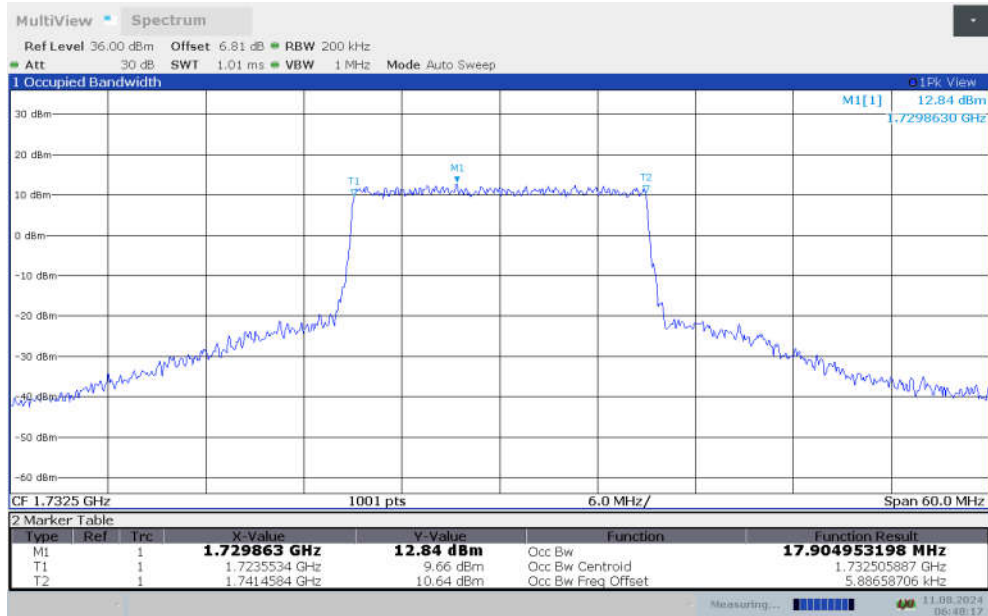




LTE Band 4 , 20MHz Bandwidth,MID,QPSK (99% BW)

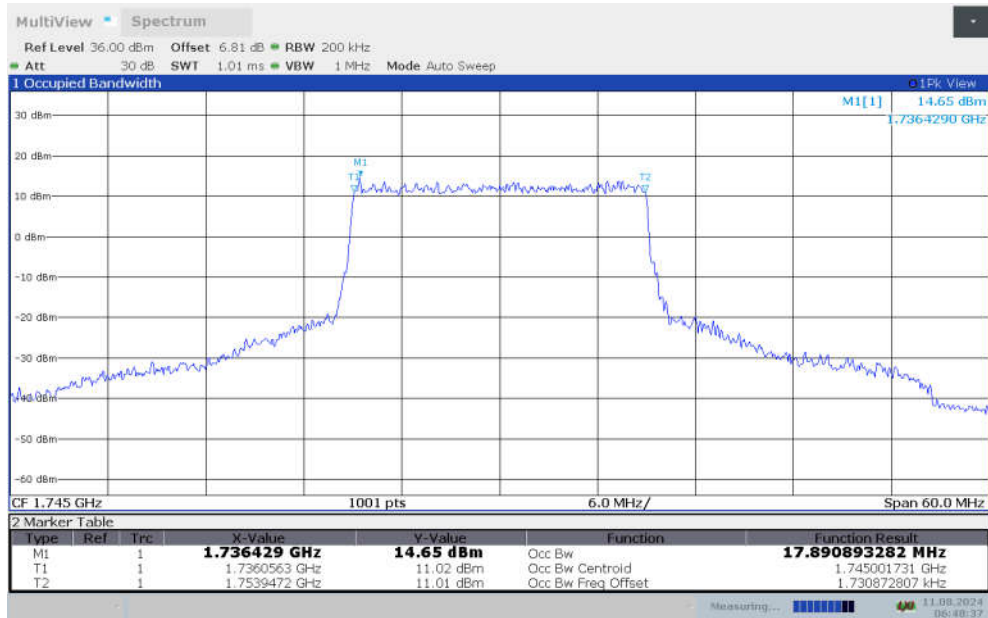


LTE Band 4 , 20MHz Bandwidth,MID,16QAM (99% BW)

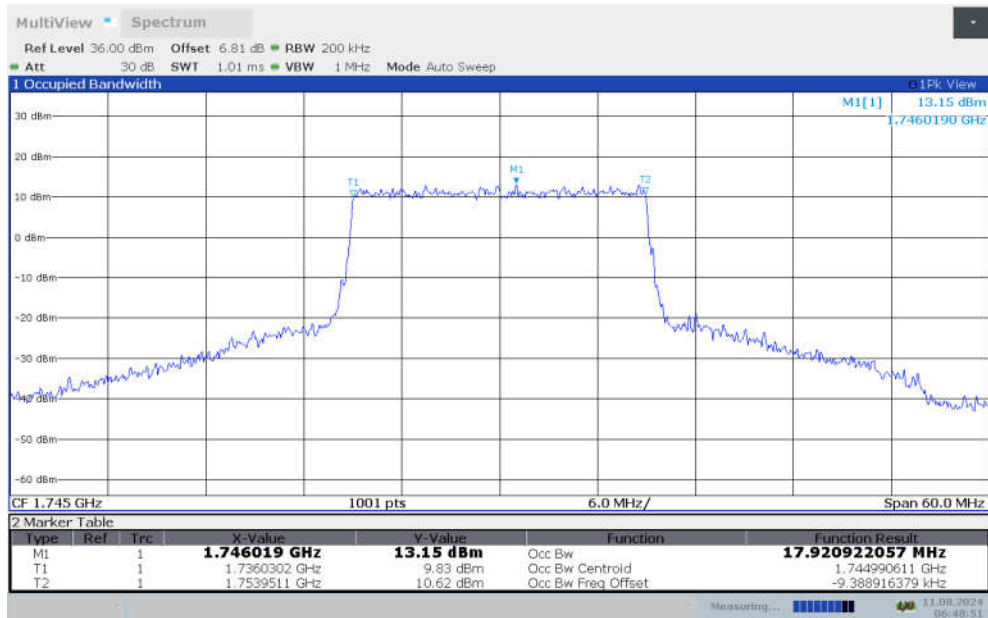




LTE Band 4 , 20MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 4 , 20MHz Bandwidth,HIGH,16QAM (99% BW)

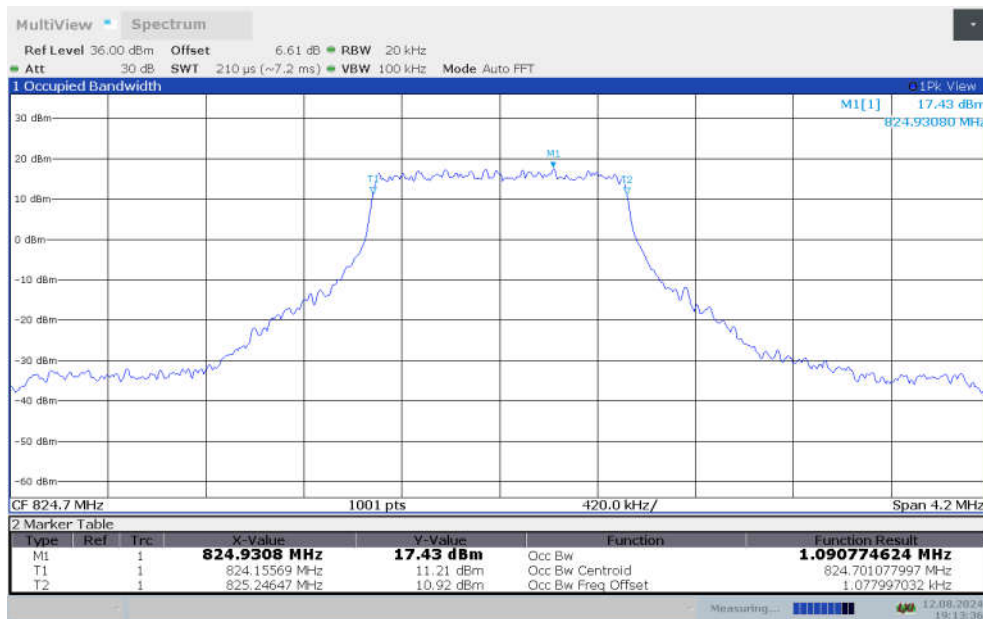




LTE Band 5,1.4MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
824.7	1.091	1.095
836.5	1.091	1.091
848.3	1.087	1.095

LTE Band 5 , 1.4MHz Bandwidth,LOW,QPSK (99% BW)

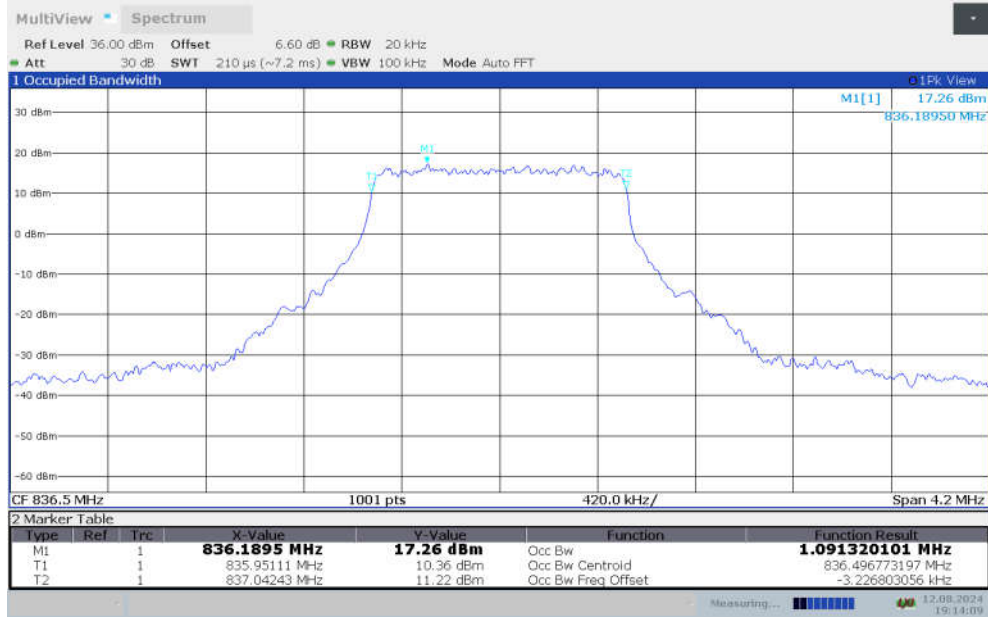


LTE Band 5 , 1.4MHz Bandwidth,LOW,16QAM (99% BW)

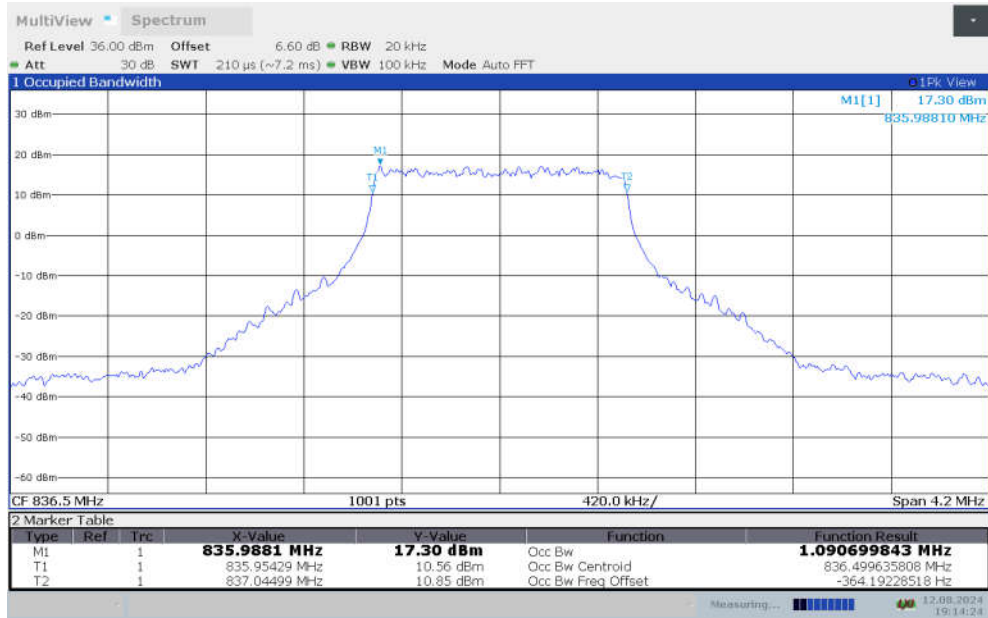




LTE Band 5 , 1.4MHz Bandwidth,MID,QPSK (99% BW)

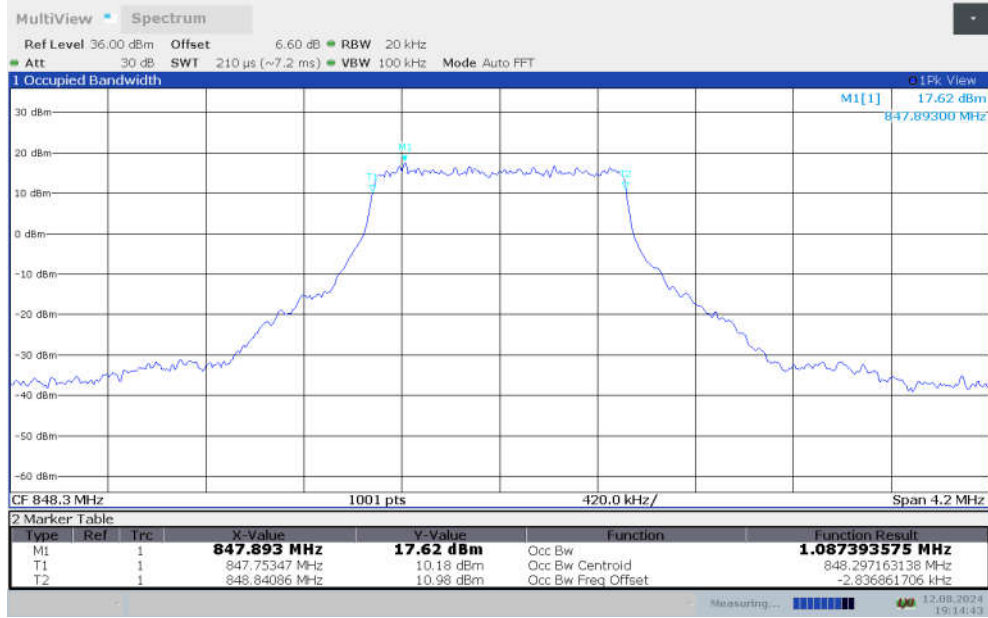


LTE Band 5 , 1.4MHz Bandwidth,MID,16QAM (99% BW)

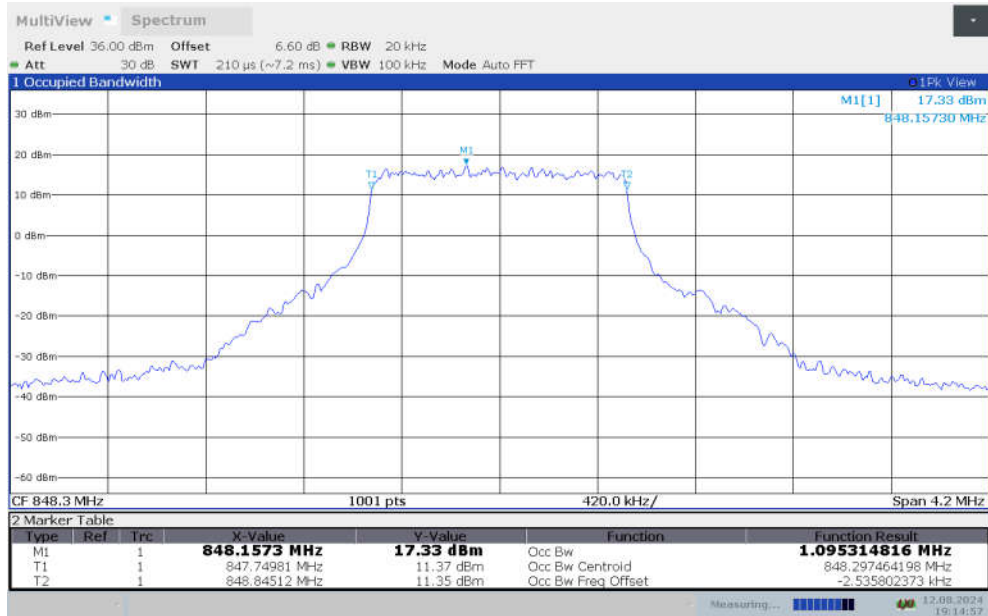




LTE Band 5 , 1.4MHz Bandwidth,HIGH,QPSK (99% BW)



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

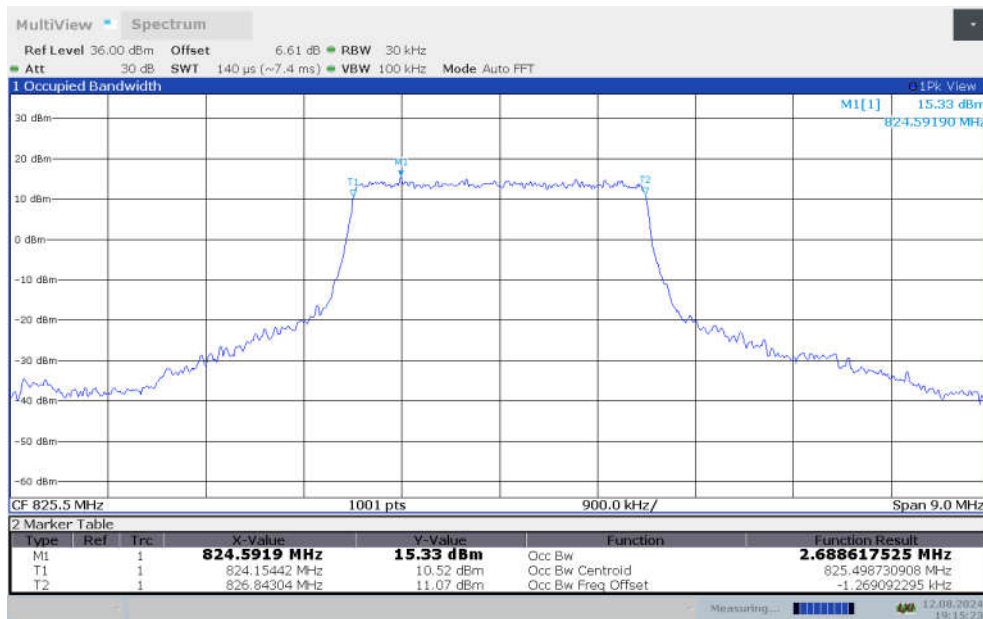




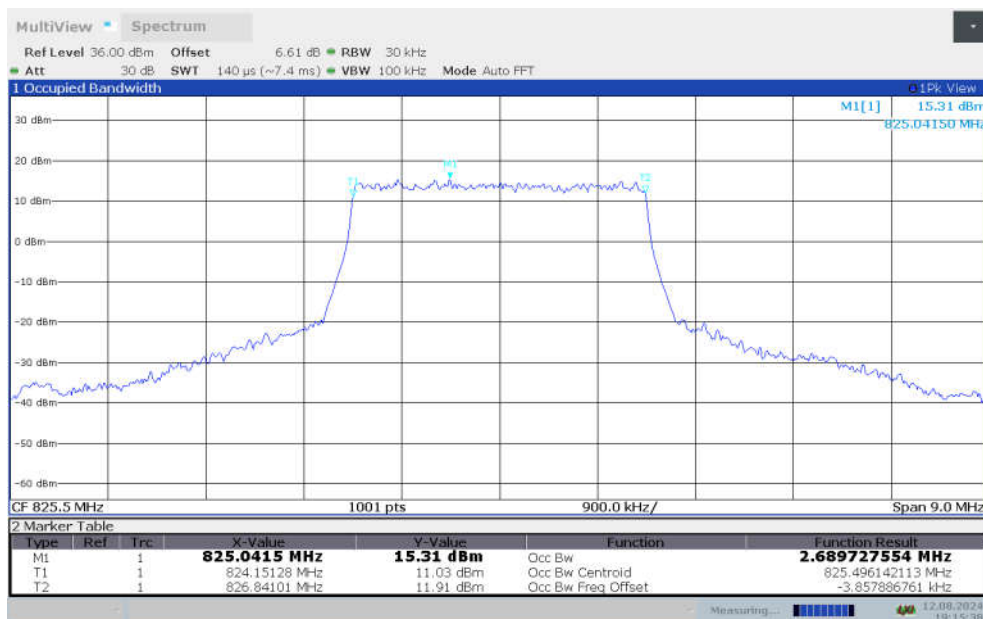
LTE Band 5,3MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
825.5	2.689	2.690
836.5	2.696	2.684
847.5	2.691	2.690

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

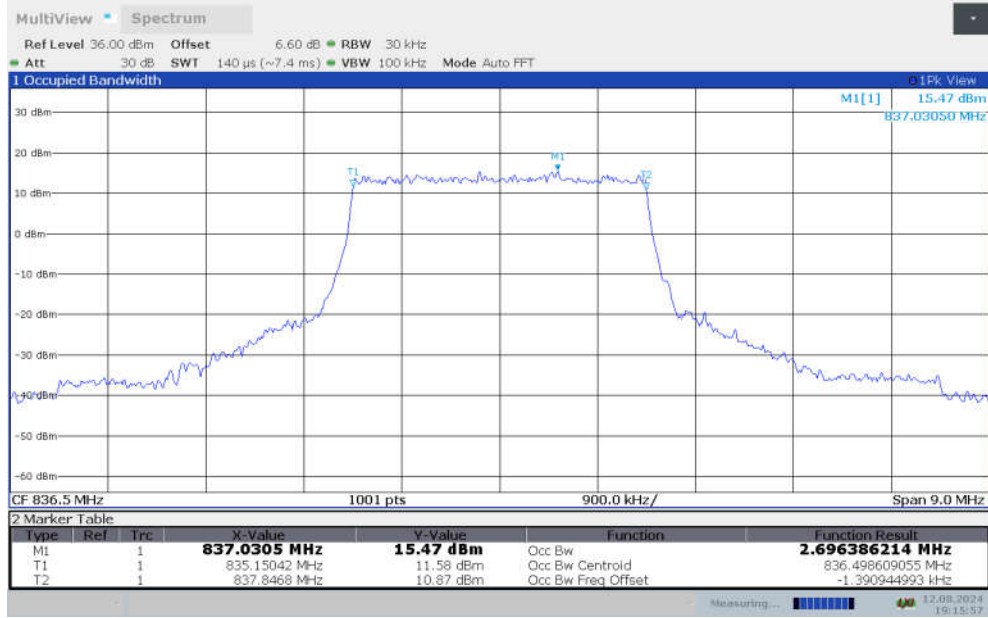


LTE Band 5 , 3MHz Bandwidth,LOW,16QAM (99% BW)

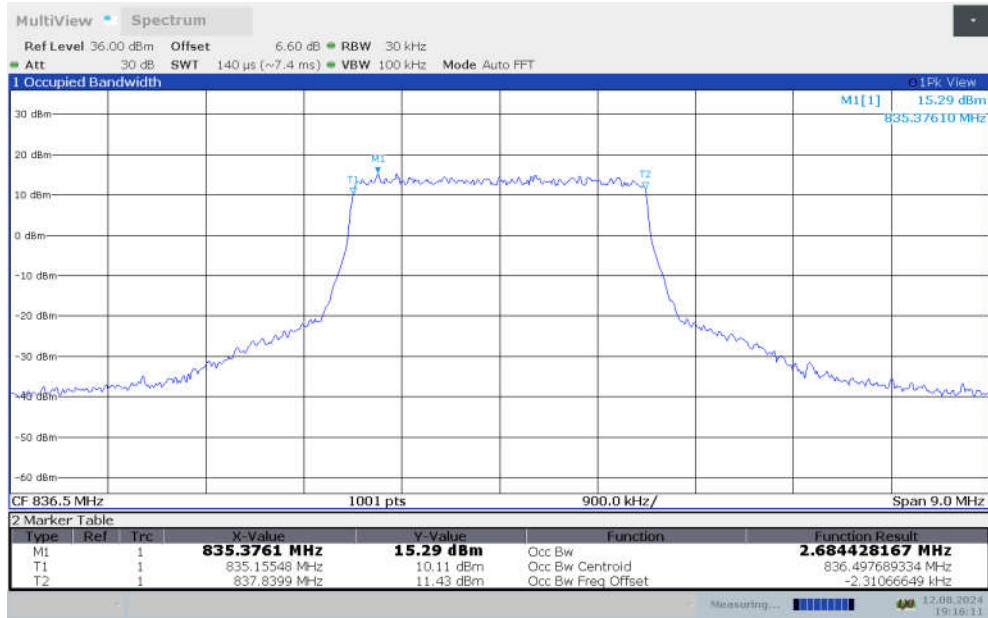




LTE Band 5 , 3MHz Bandwidth,MID,QPSK (99% BW)

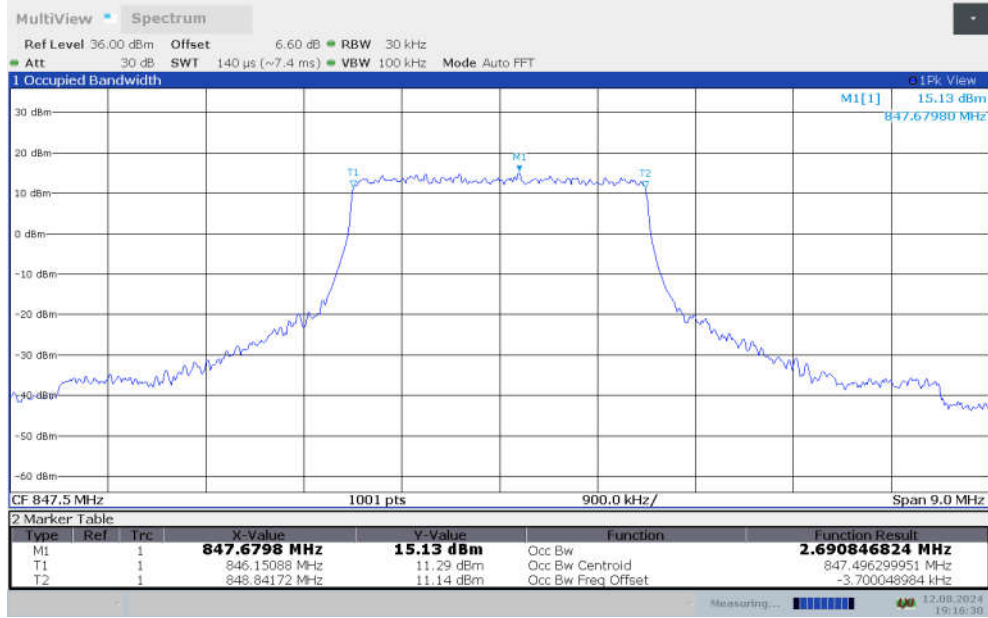


LTE Band 5 , 3MHz Bandwidth,MID,16QAM (99% BW)

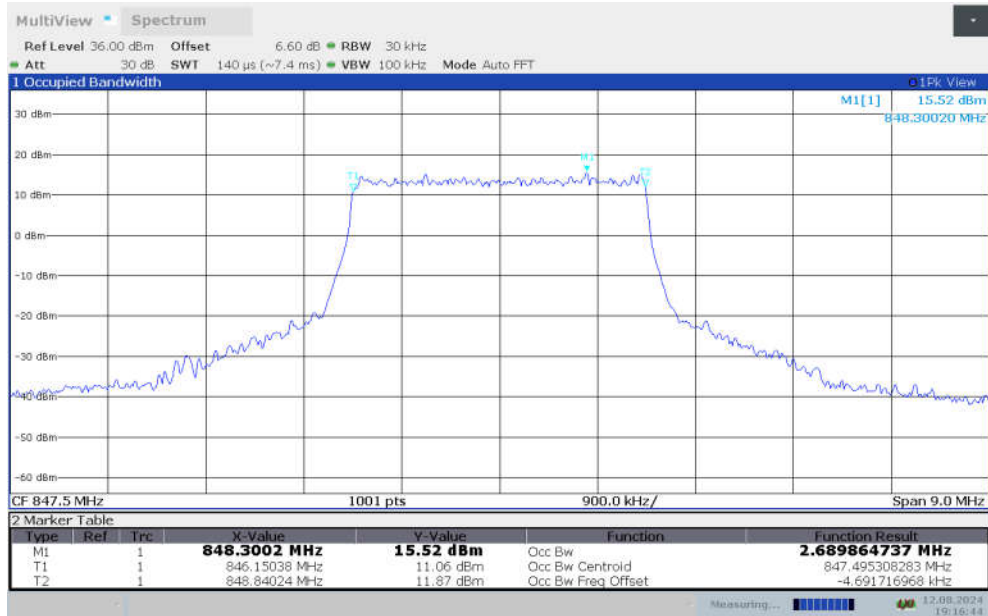




LTE Band 5 , 3MHz Bandwidth,HIGH,QPSK (99% BW)



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

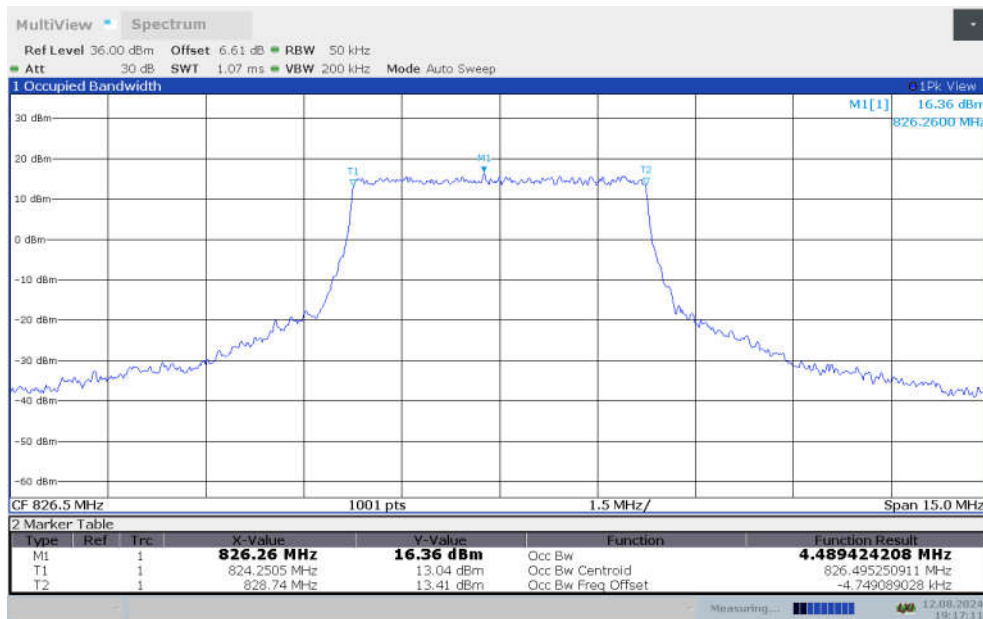




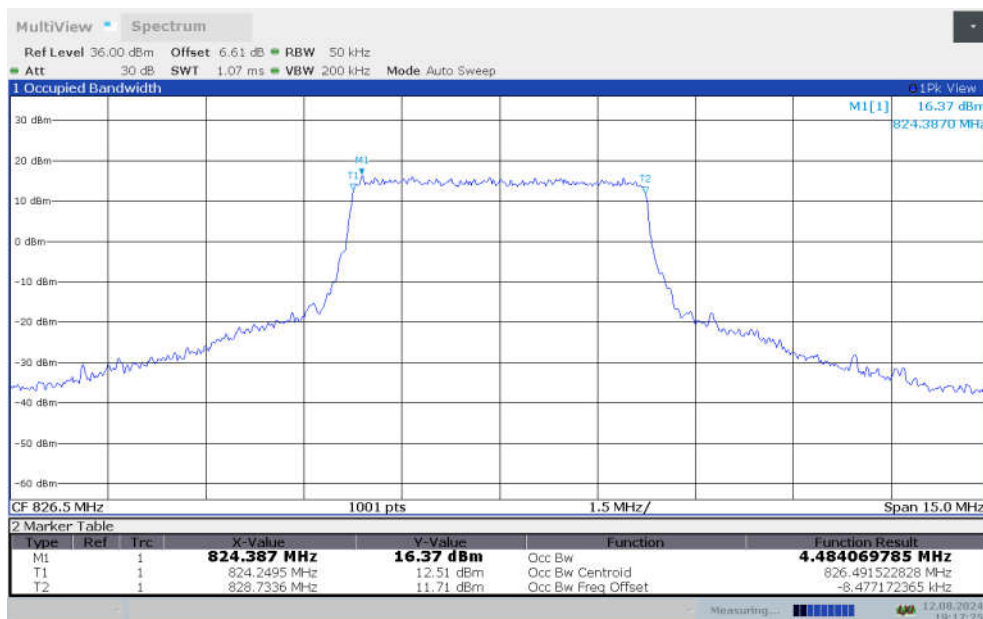
LTE Band 5,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
826.5	4.489	4.484
836.5	4.482	4.488
846.5	4.479	4.487

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

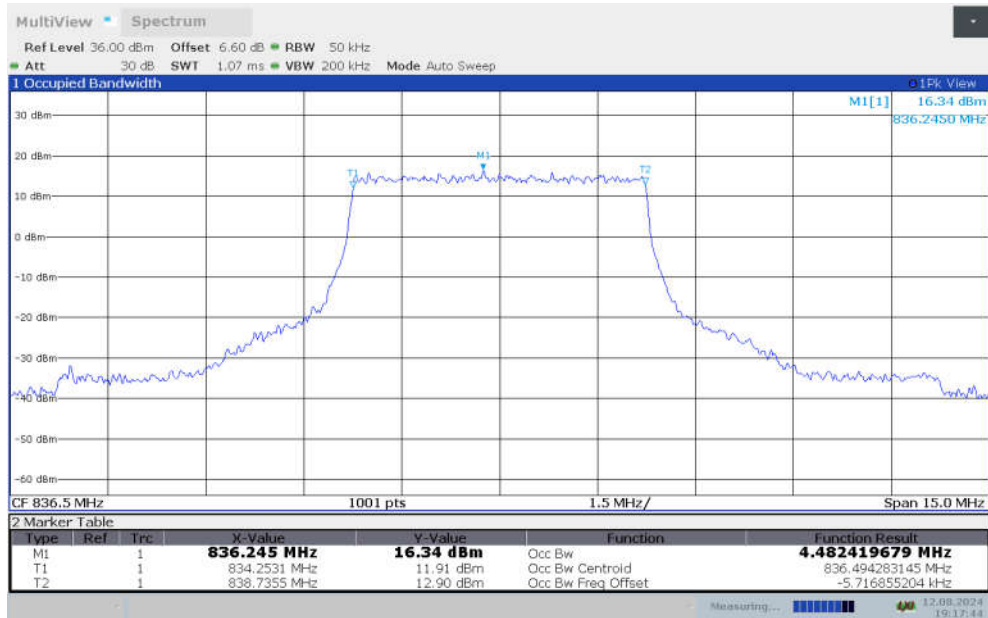


LTE Band 5 , 5MHz Bandwidth,LOW,16QAM (99% BW)

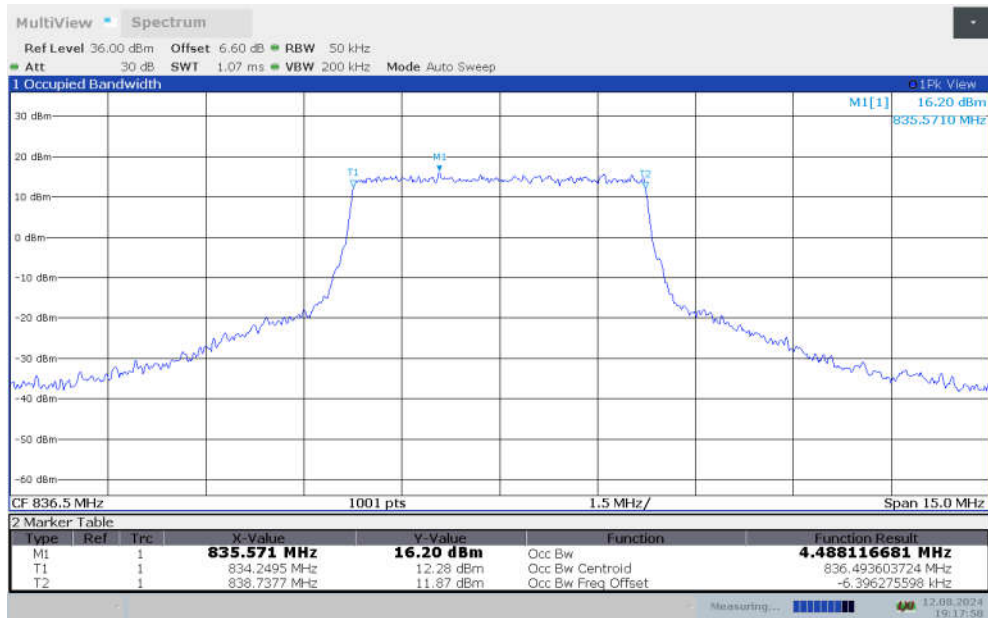




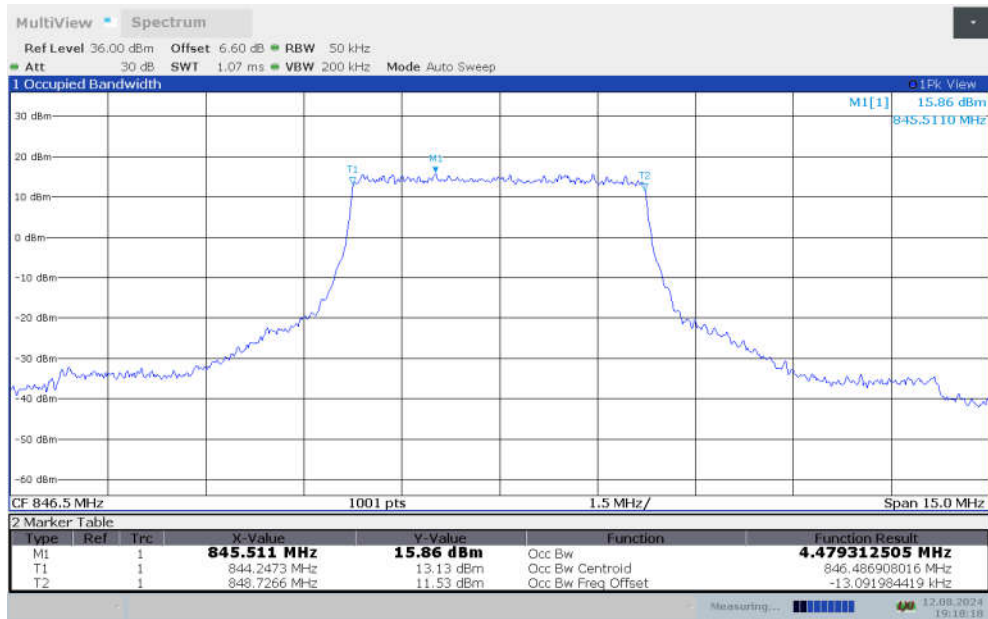
LTE Band 5 , 5MHz Bandwidth,MID,QPSK (99% BW)



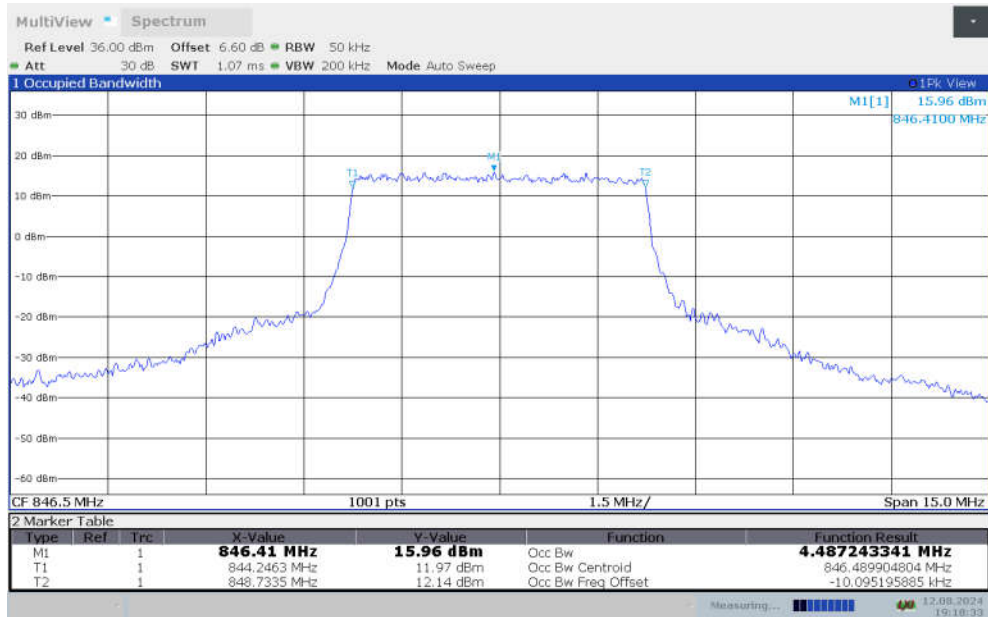
LTE Band 5 , 5MHz Bandwidth,MID,16QAM (99% BW)



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



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

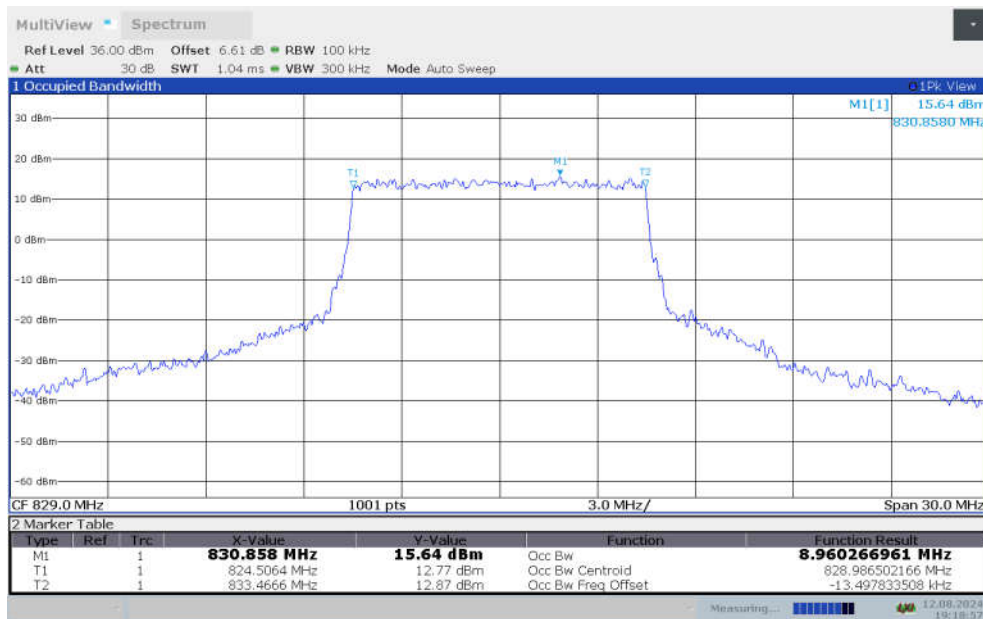




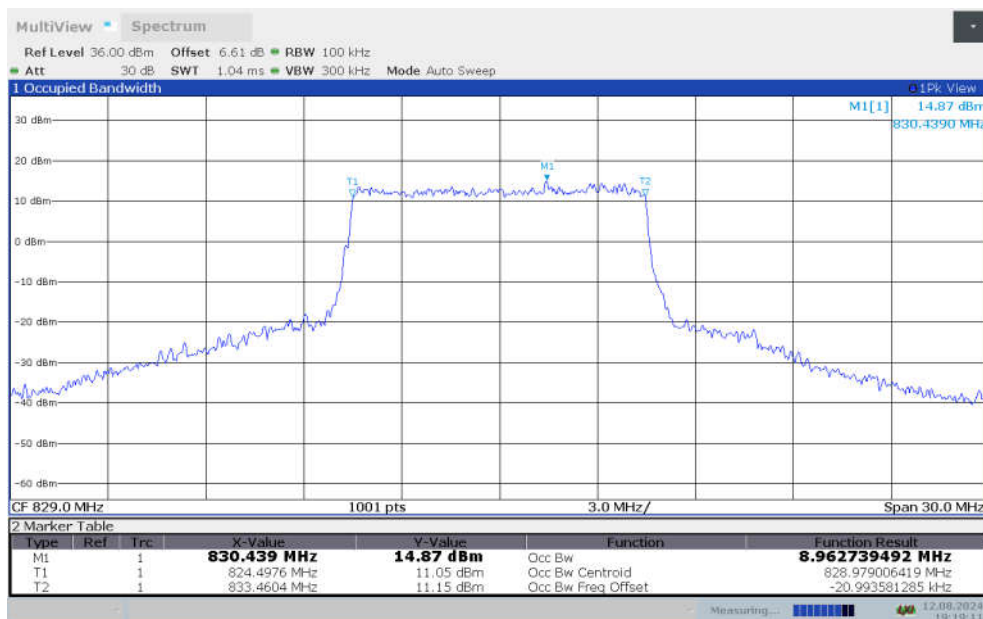
LTE Band 5,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
829	8.960	8.963
836.5	8.965	8.949
844	8.934	8.963

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

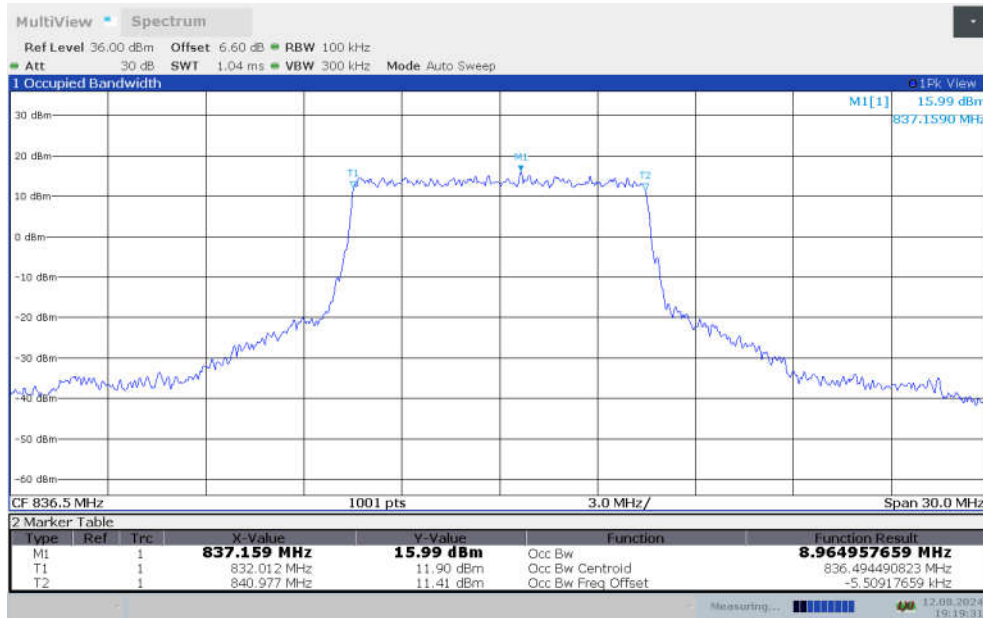


LTE Band 5 , 10MHz Bandwidth,LOW,16QAM (99% BW)

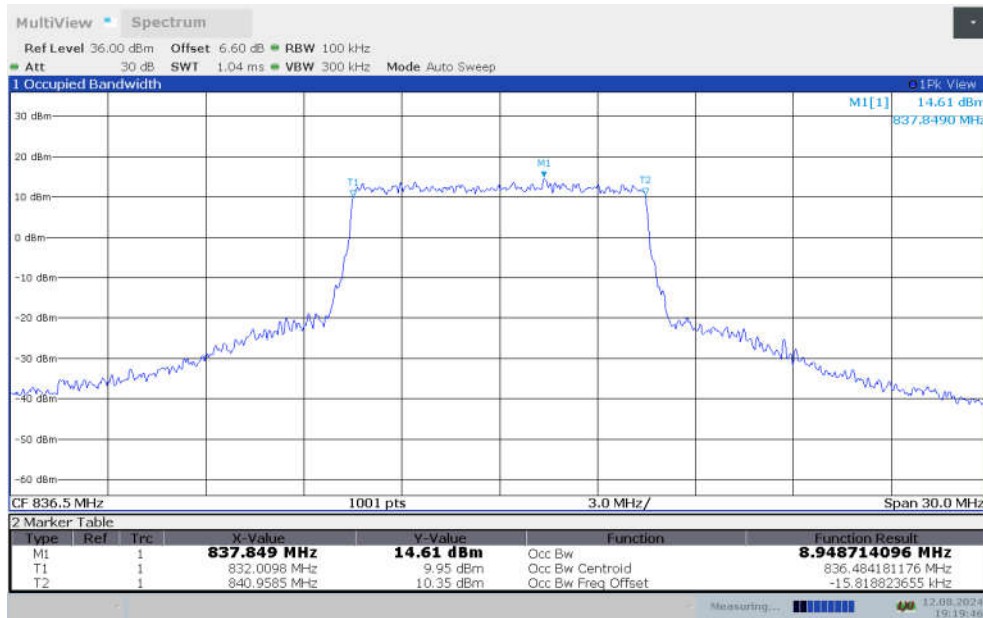




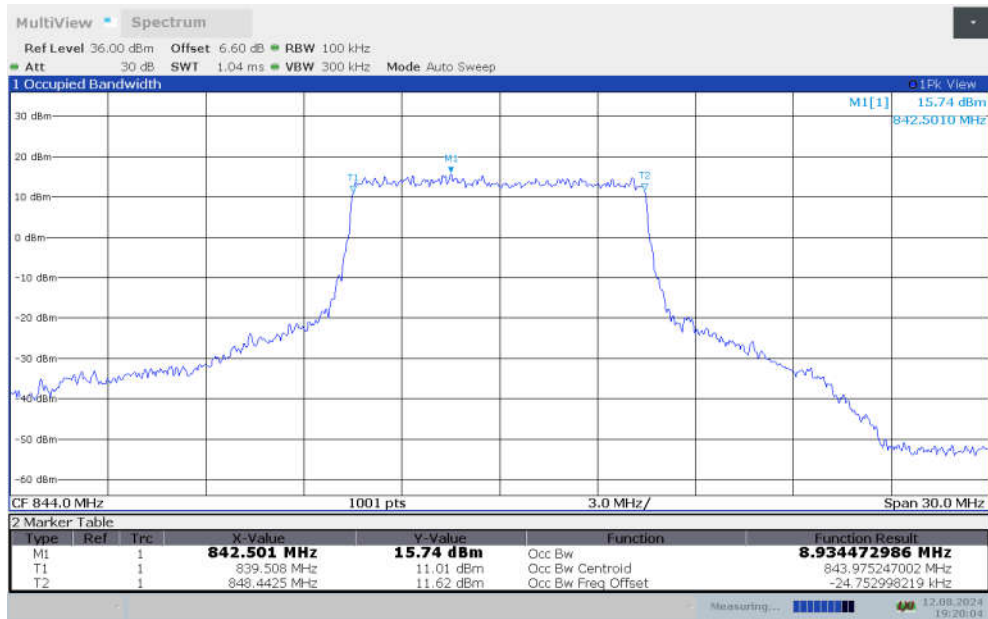
LTE Band 5 , 10MHz Bandwidth,MID,QPSK (99% BW)



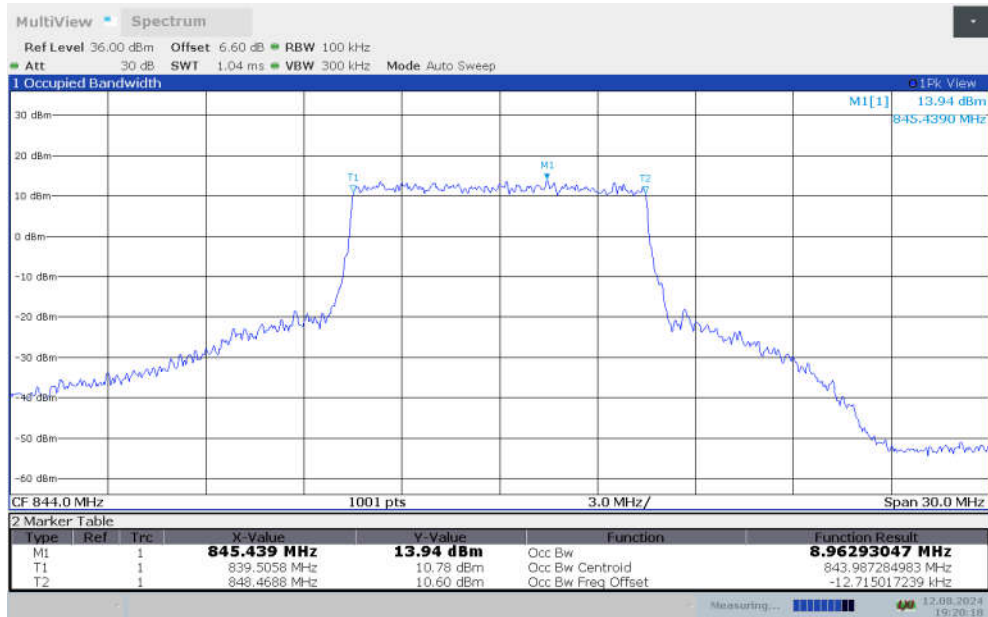
LTE Band 5 , 10MHz Bandwidth,MID,16QAM (99% BW)



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



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

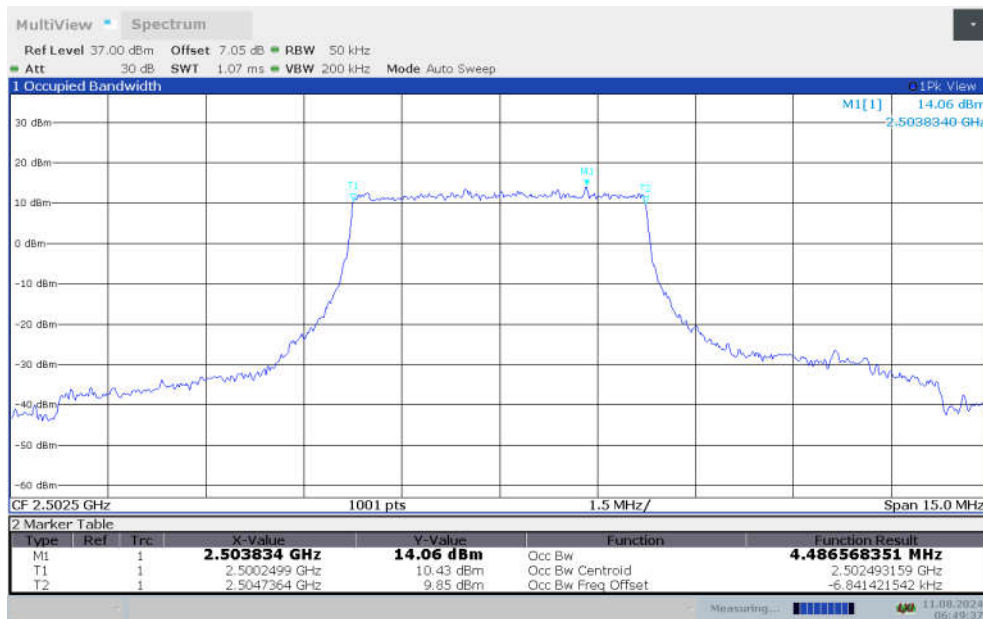




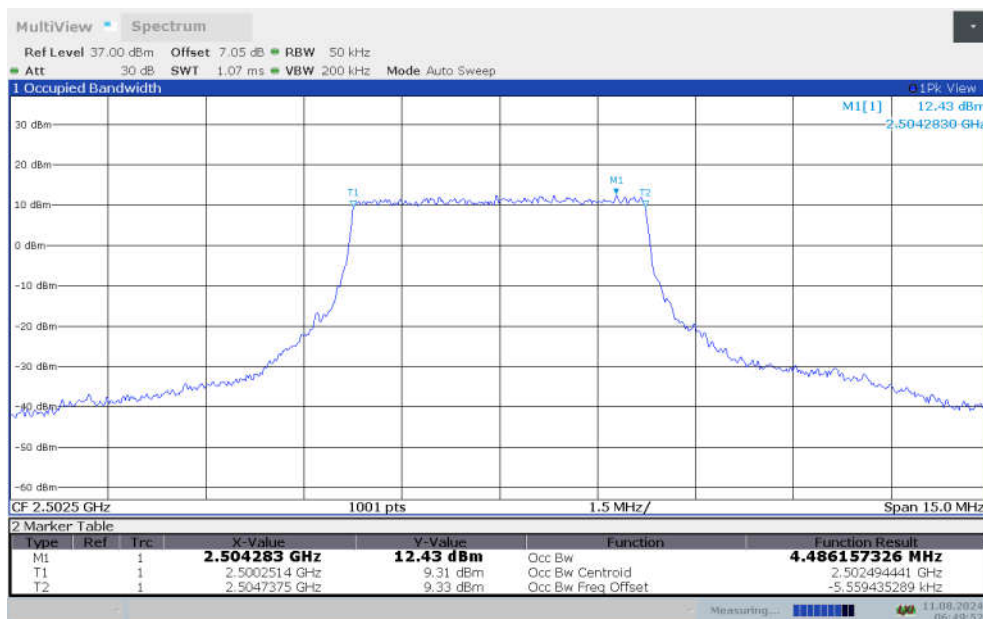
LTE Band 7,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
2502.5	4.487	4.486
2535	4.483	4.493
2567.5	4.483	4.484

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

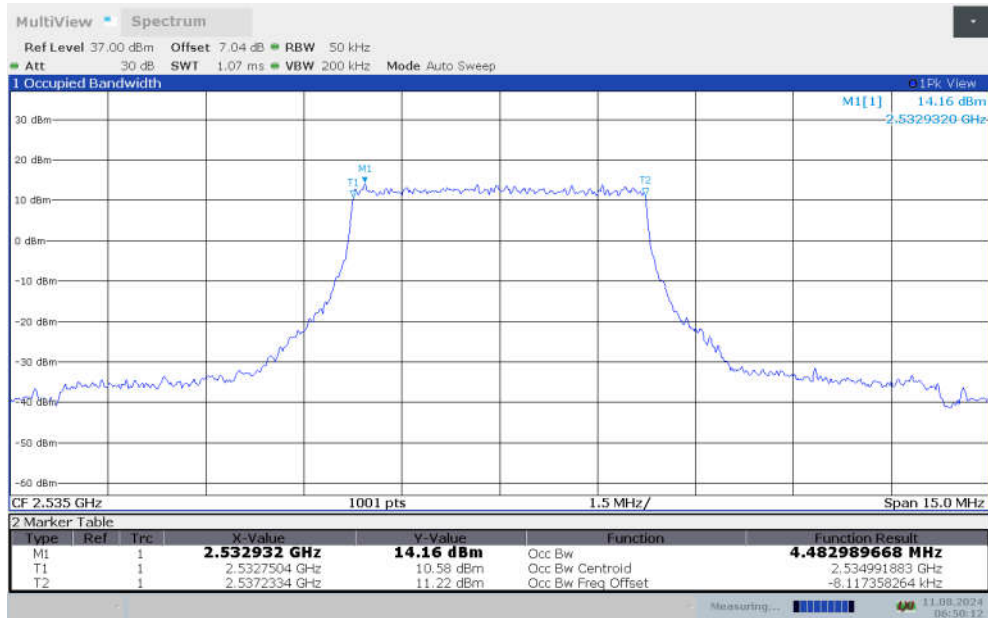


LTE Band 7 , 5MHz Bandwidth,LOW,16QAM (99% BW)

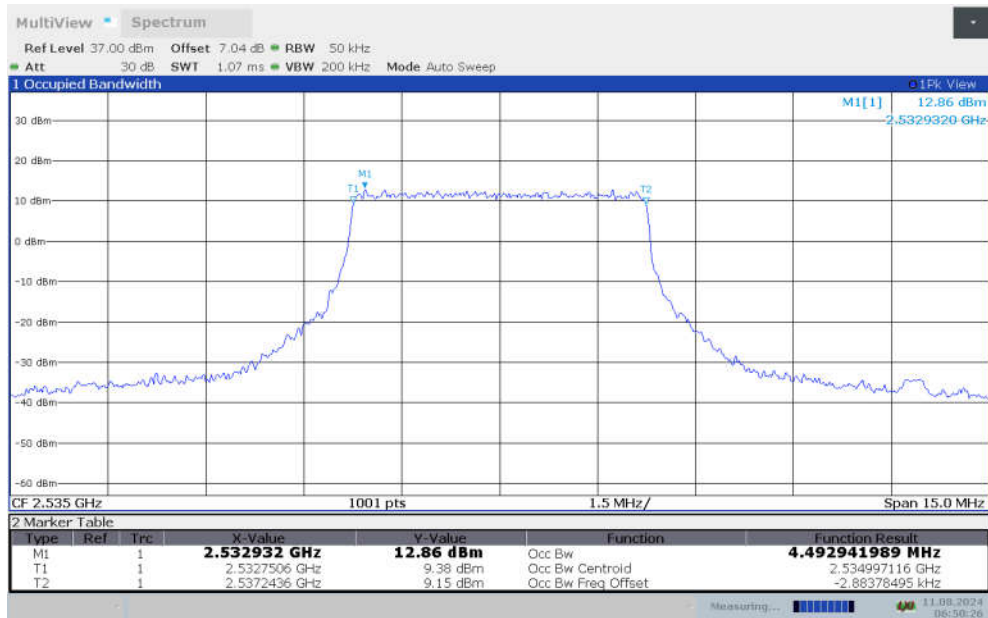




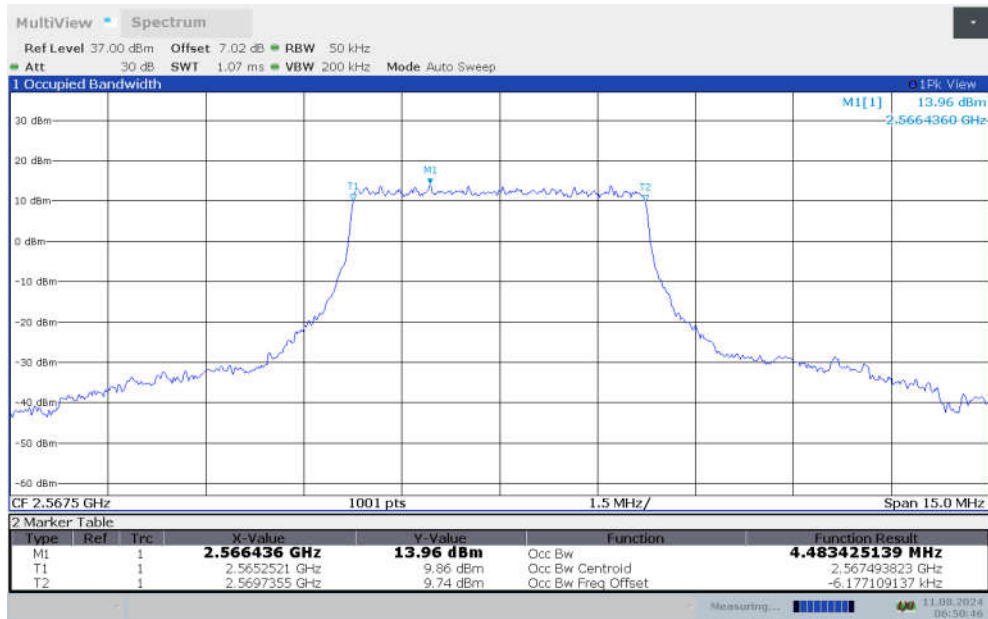
LTE Band 7 , 5MHz Bandwidth,MID,QPSK (99% BW)



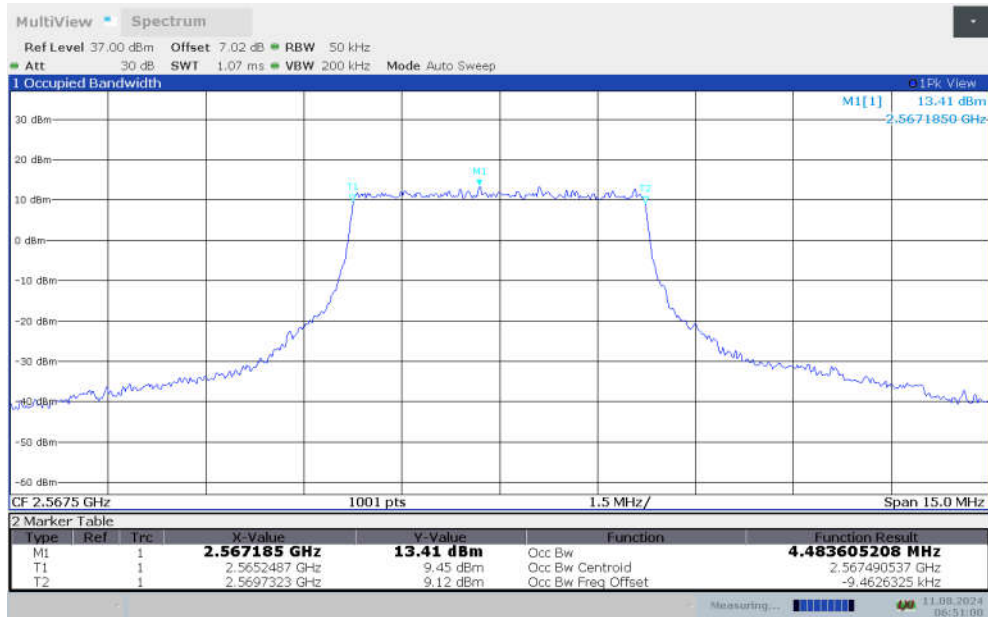
LTE Band 7 , 5MHz Bandwidth,MID,16QAM (99% BW)



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



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

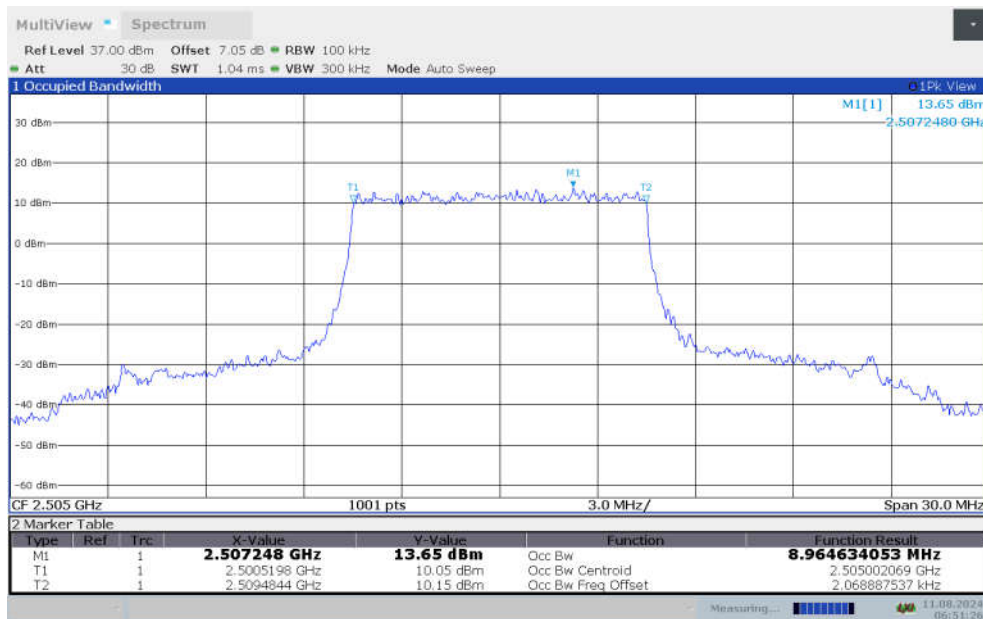




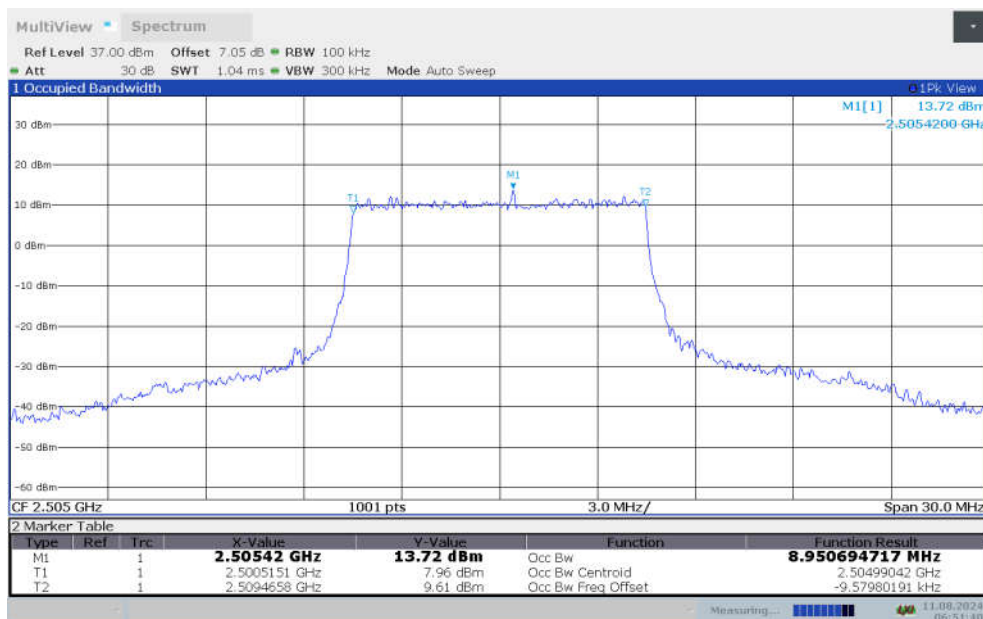
LTE Band 7,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
2505	8.965	8.951
2535	8.966	8.952
2565	8.949	8.954

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

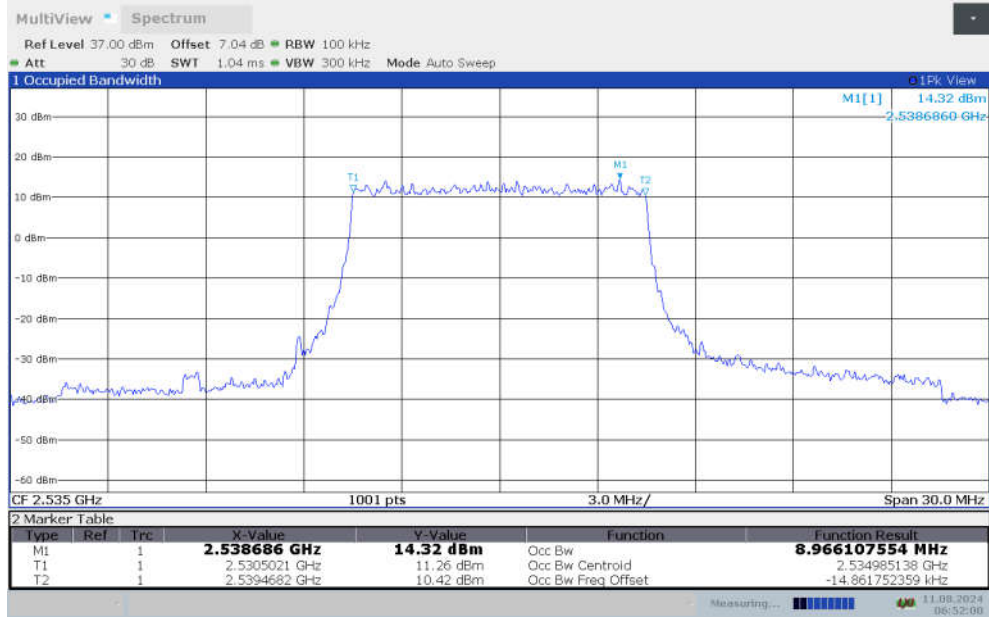


LTE Band 7 , 10MHz Bandwidth,LOW,16QAM (99% BW)

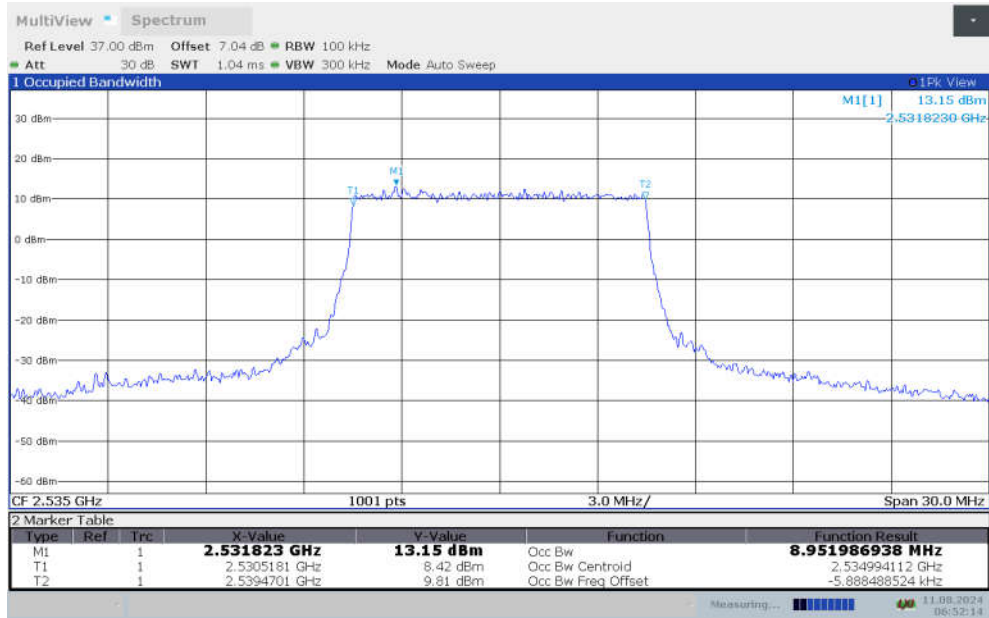




LTE Band 7 , 10MHz Bandwidth,MID,QPSK (99% BW)

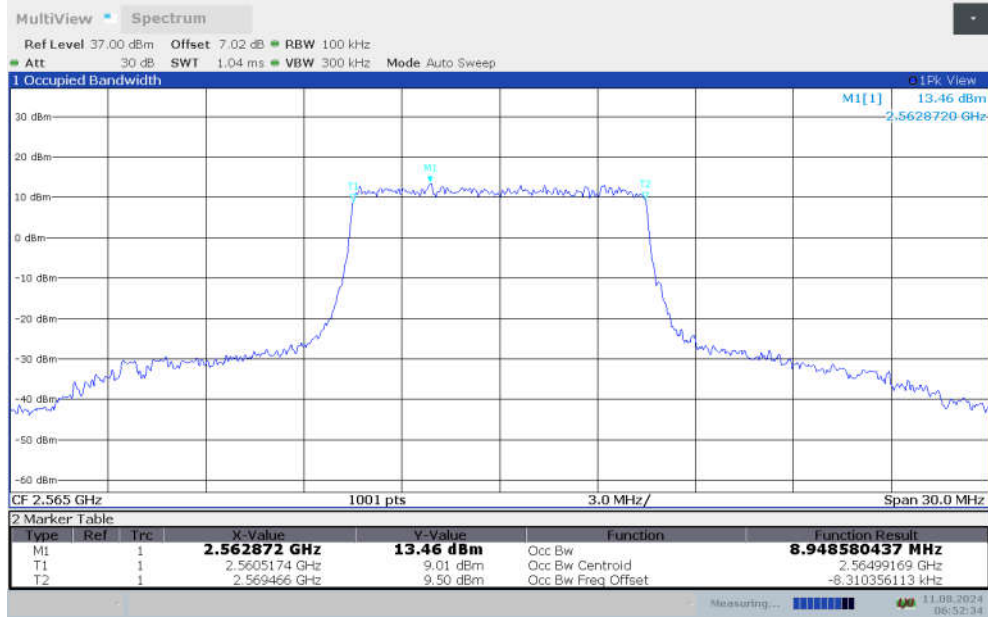


LTE Band 7 , 10MHz Bandwidth,MID,16QAM (99% BW)

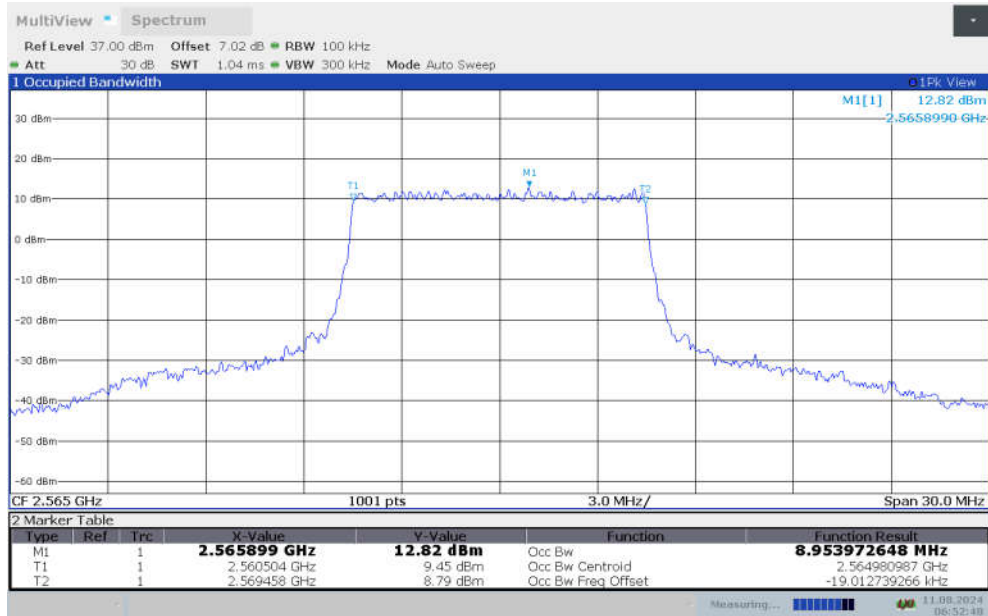




LTE Band 7 , 10MHz Bandwidth,HIGH,QPSK (99% BW)



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

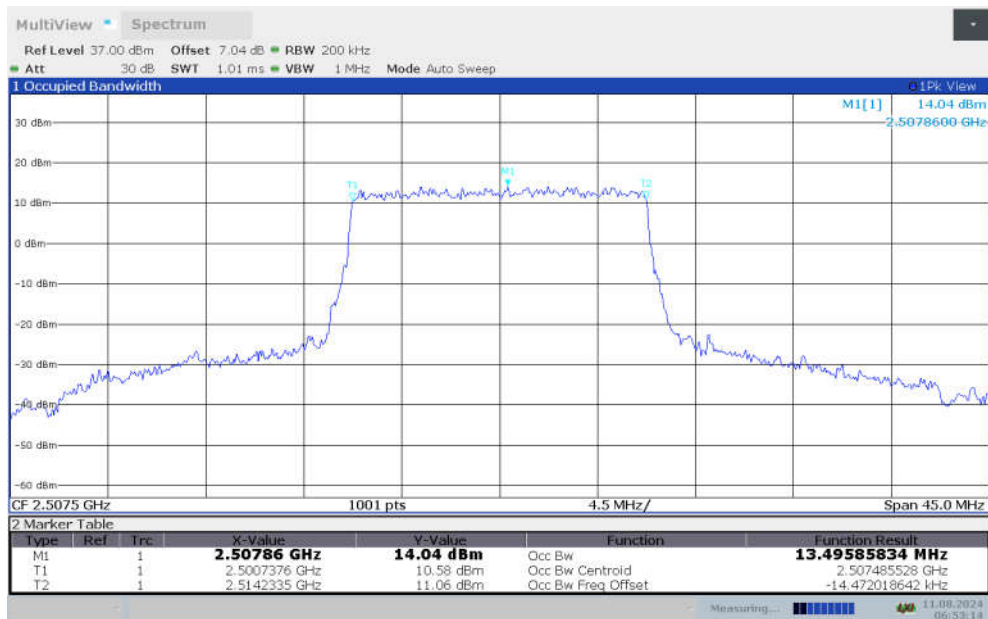




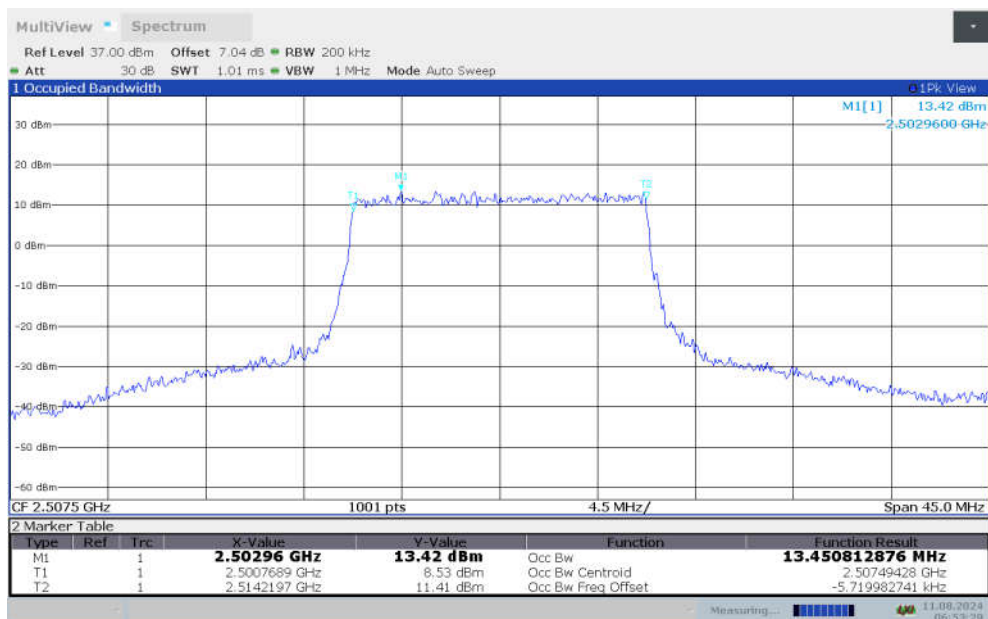
LTE Band 7,15MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
2507.5	13.496	13.451
2535	13.449	13.452
2562.5	13.449	13.463

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

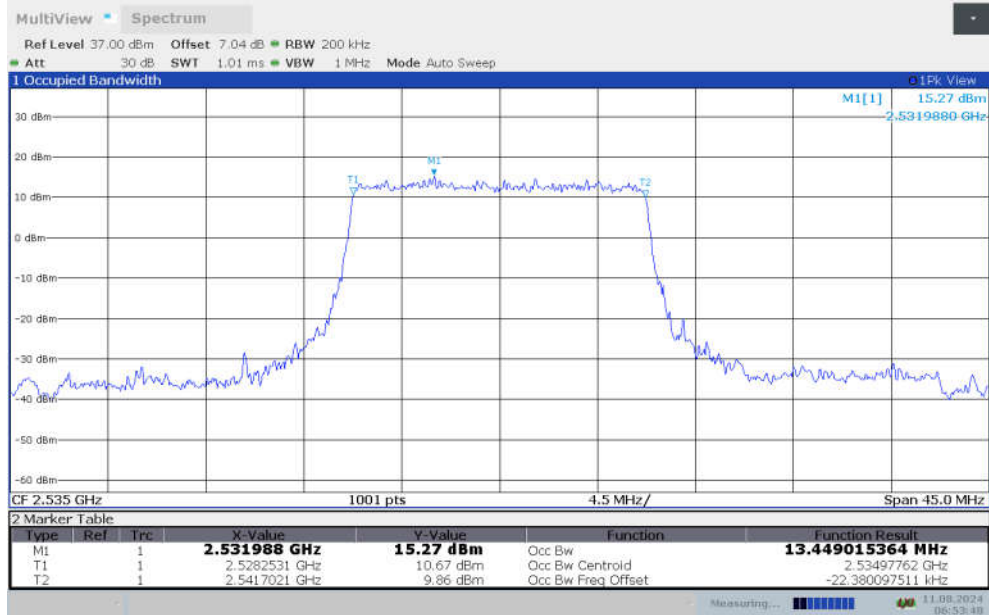


LTE Band 7 , 15MHz Bandwidth,LOW,16QAM (99% BW)

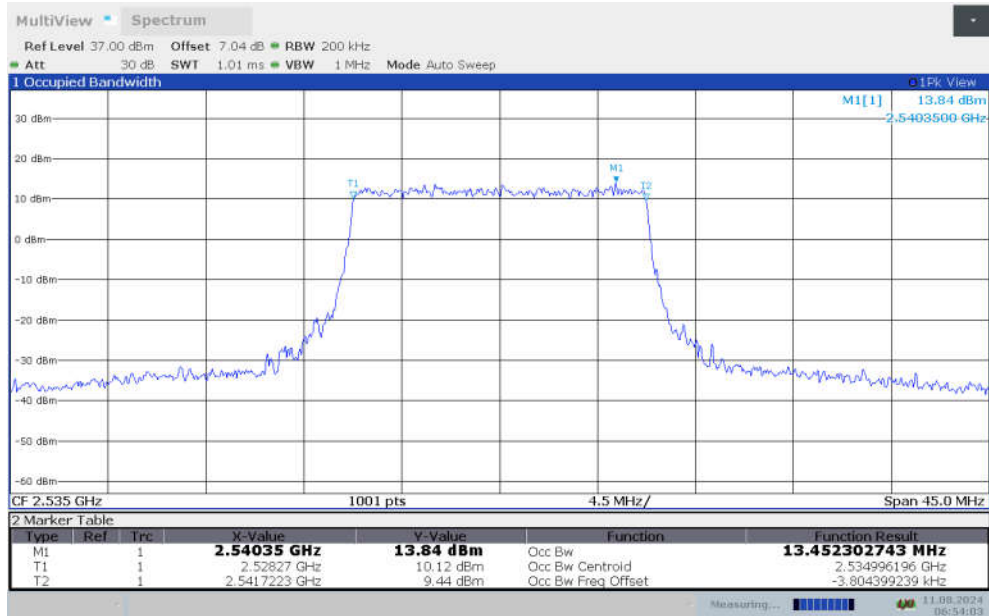




LTE Band 7 , 15MHz Bandwidth,MID,QPSK (99% BW)

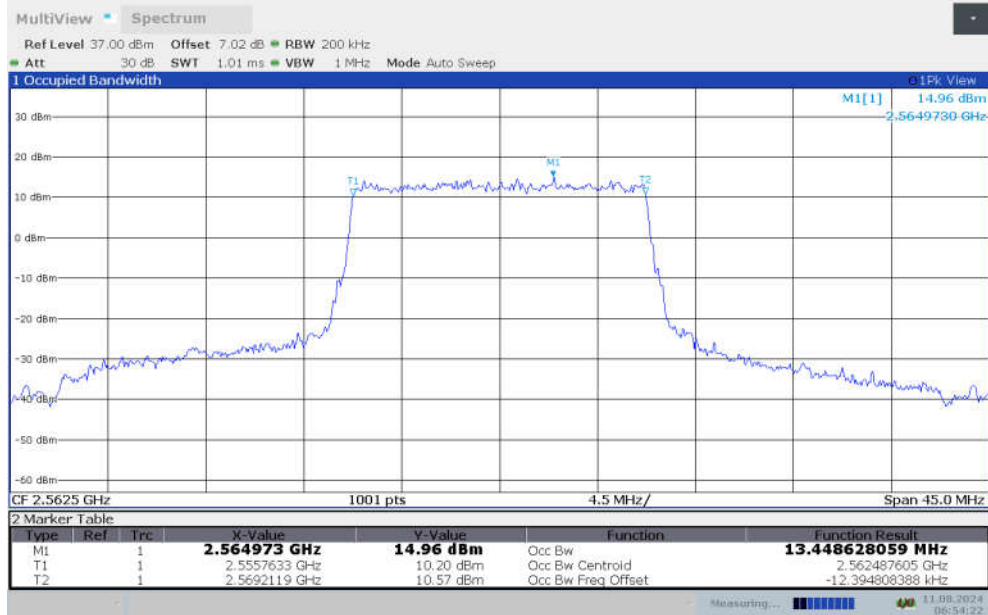


LTE Band 7 , 15MHz Bandwidth,MID,16QAM (99% BW)

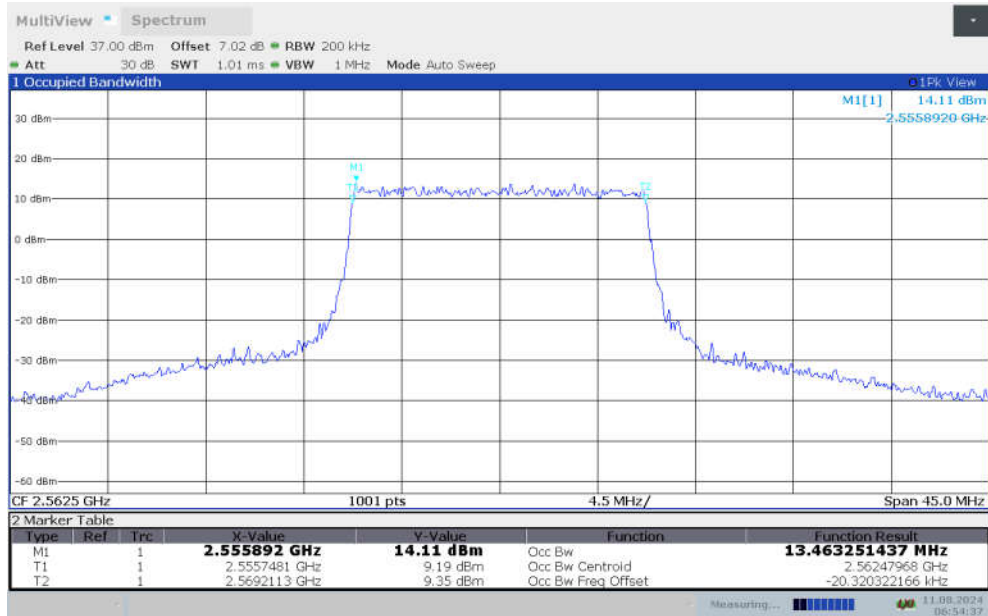




LTE Band 7 , 15MHz Bandwidth,HIGH,QPSK (99% BW)



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

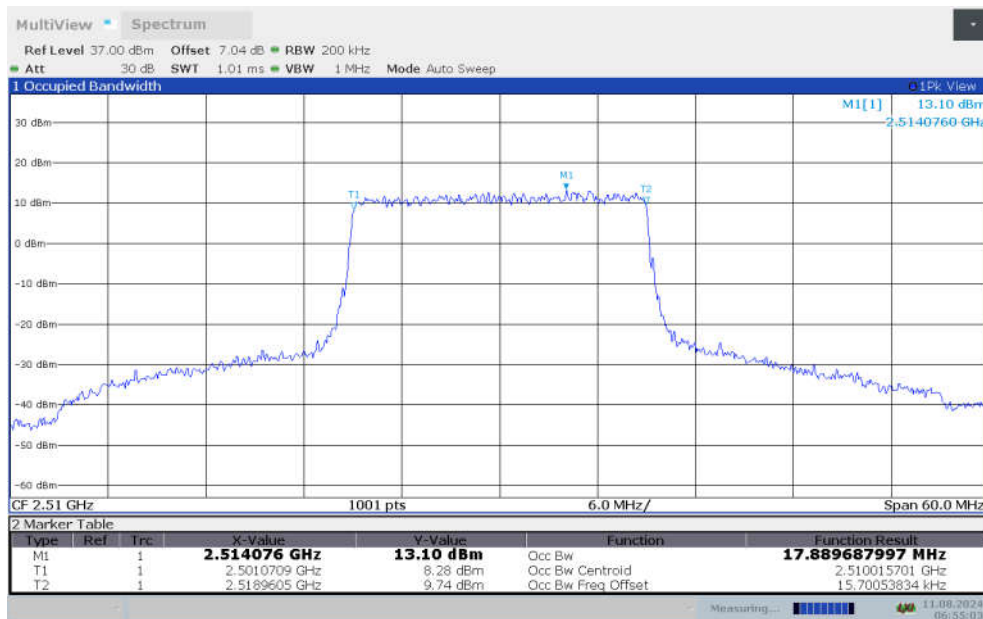




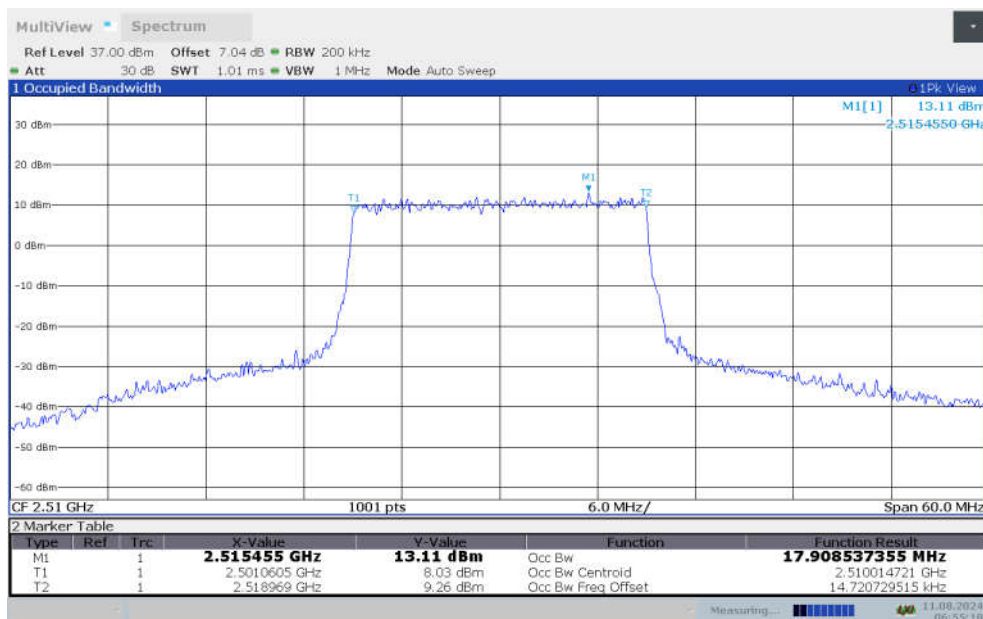
LTE Band 7,20MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
2510	17.890	17.909
2535	17.907	17.908
2560	17.900	17.903

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

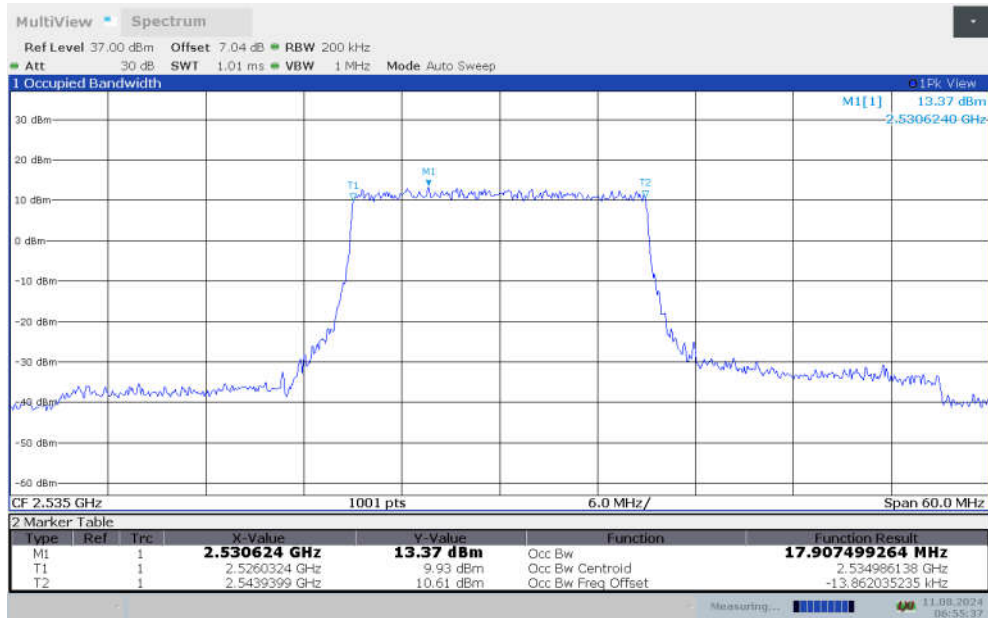


LTE Band 7 , 20MHz Bandwidth,LOW,16QAM (99% BW)

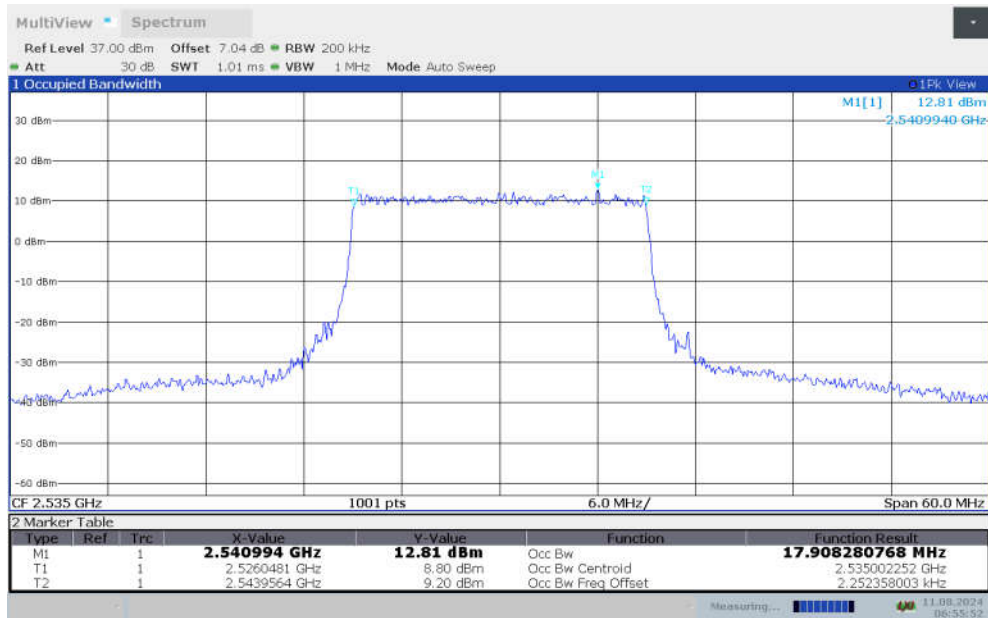




LTE Band 7 , 20MHz Bandwidth,MID,QPSK (99% BW)

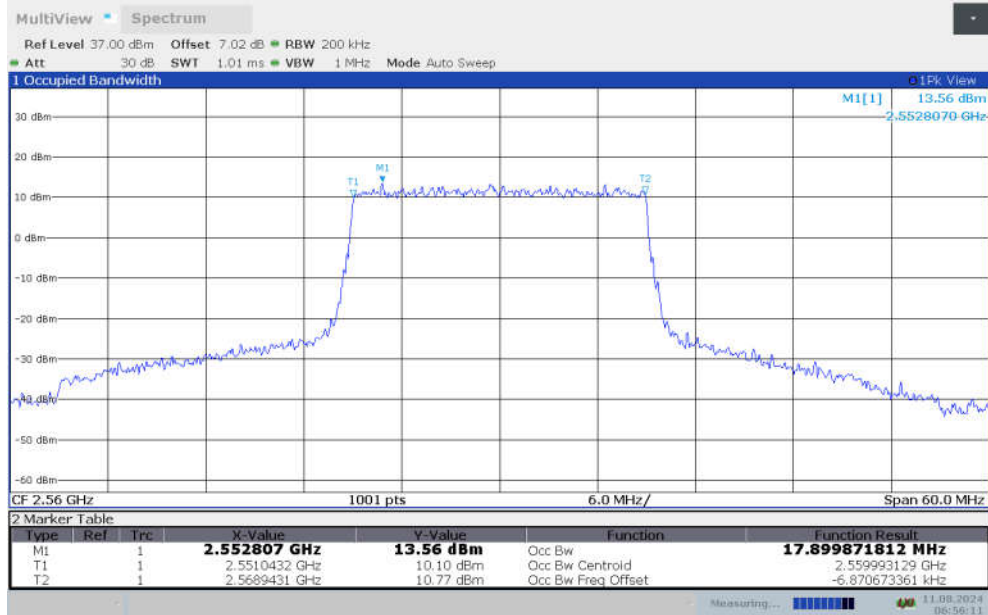


LTE Band 7 , 20MHz Bandwidth,MID,16QAM (99% BW)

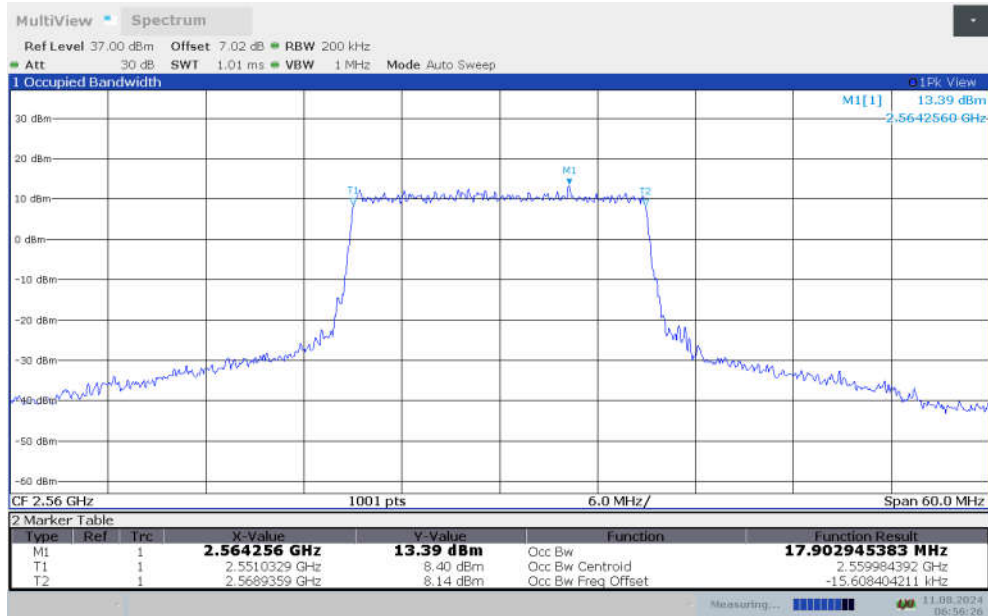




LTE Band 7 , 20MHz Bandwidth,HIGH,QPSK (99% BW)



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

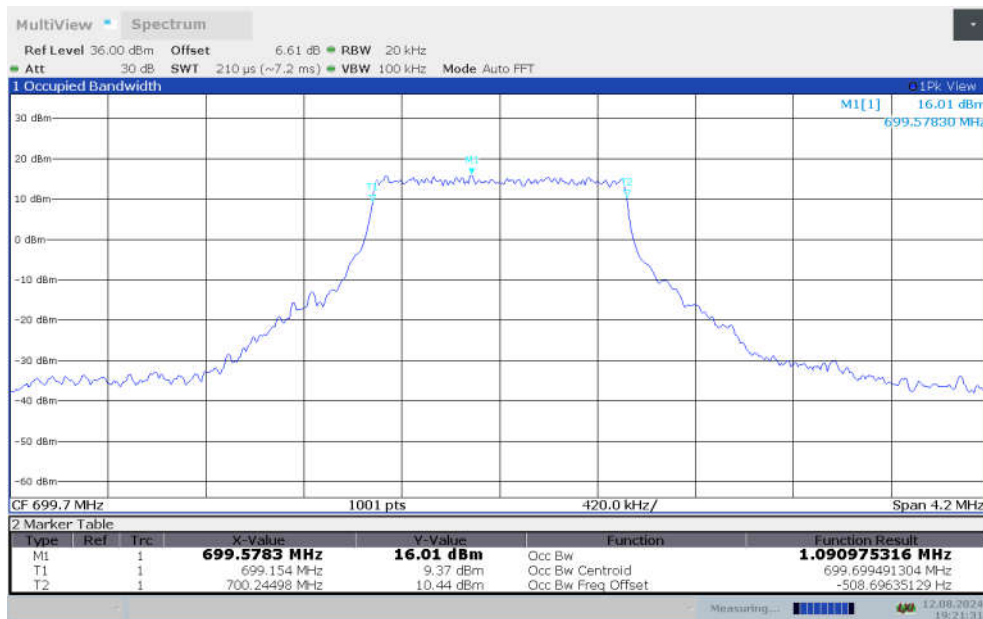




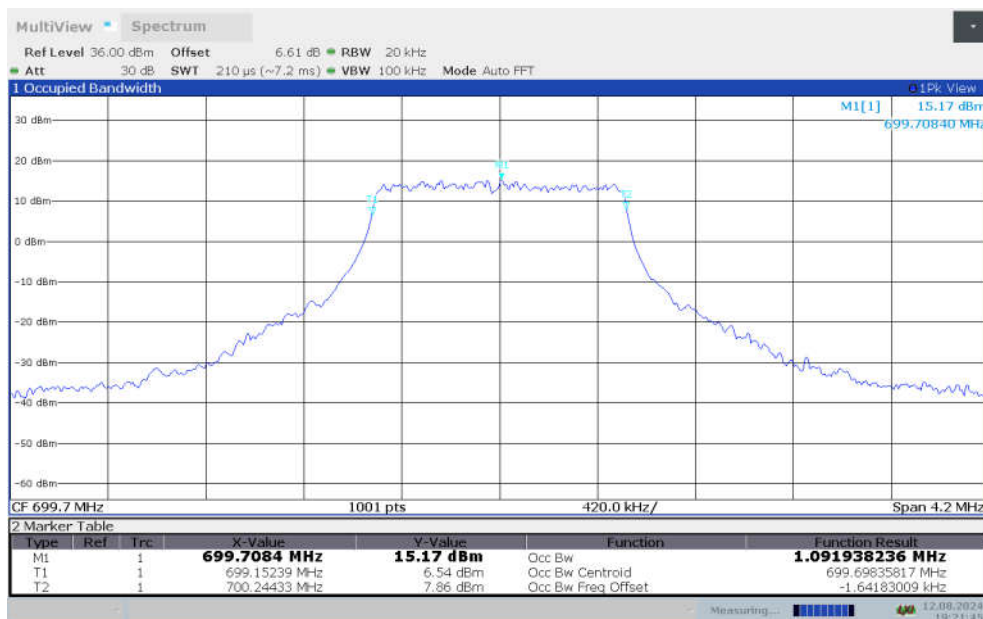
LTE Band 12,1.4MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
699.7	1.091	1.092
707.5	1.087	1.097
715.3	1.086	1.099

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

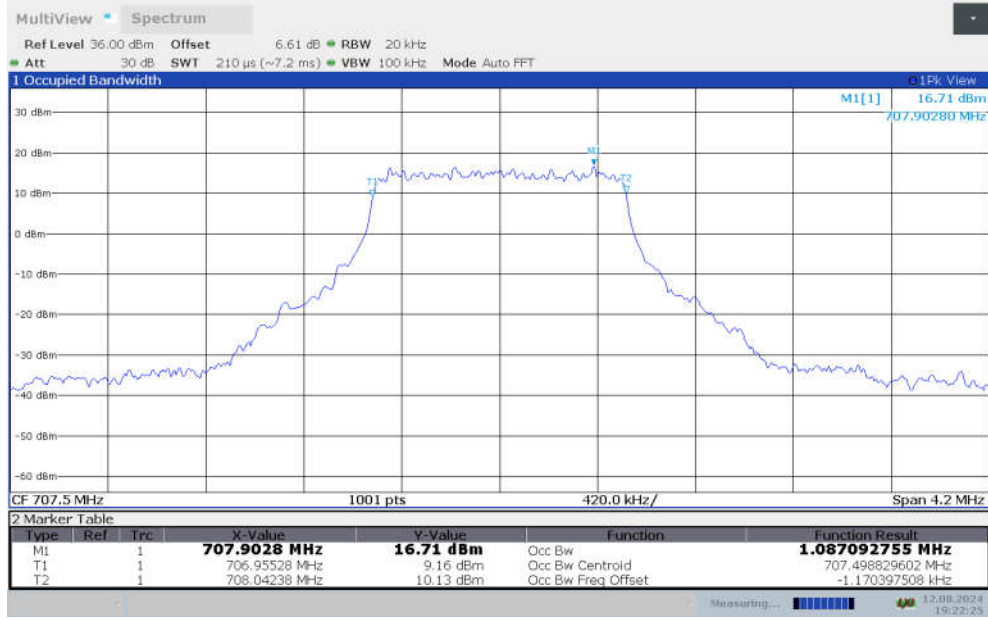


LTE Band 12 , 1.4MHz Bandwidth,LOW,16QAM (99% BW)

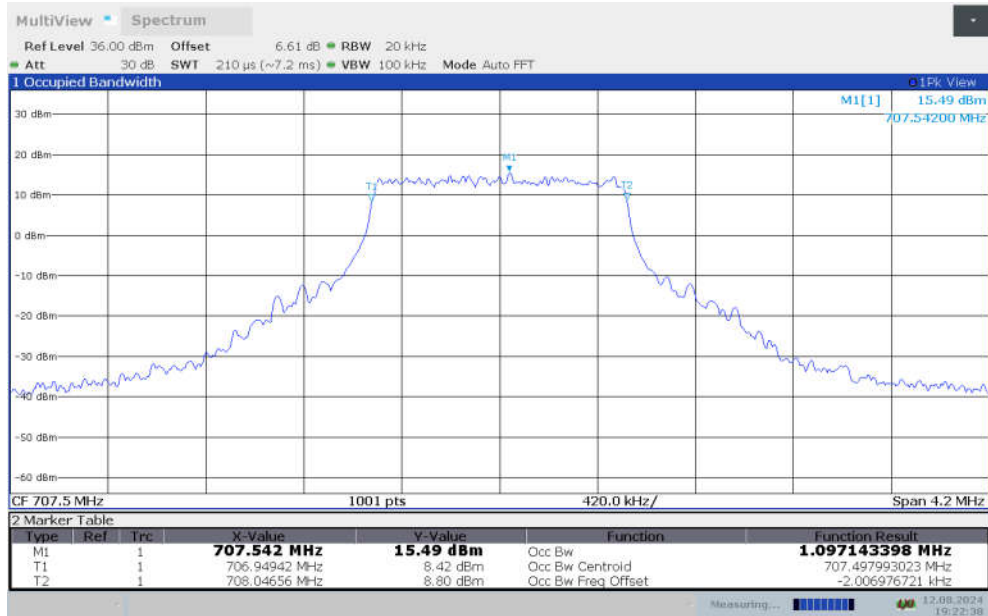




LTE Band 12 , 1.4MHz Bandwidth,MID,QPSK (99% BW)

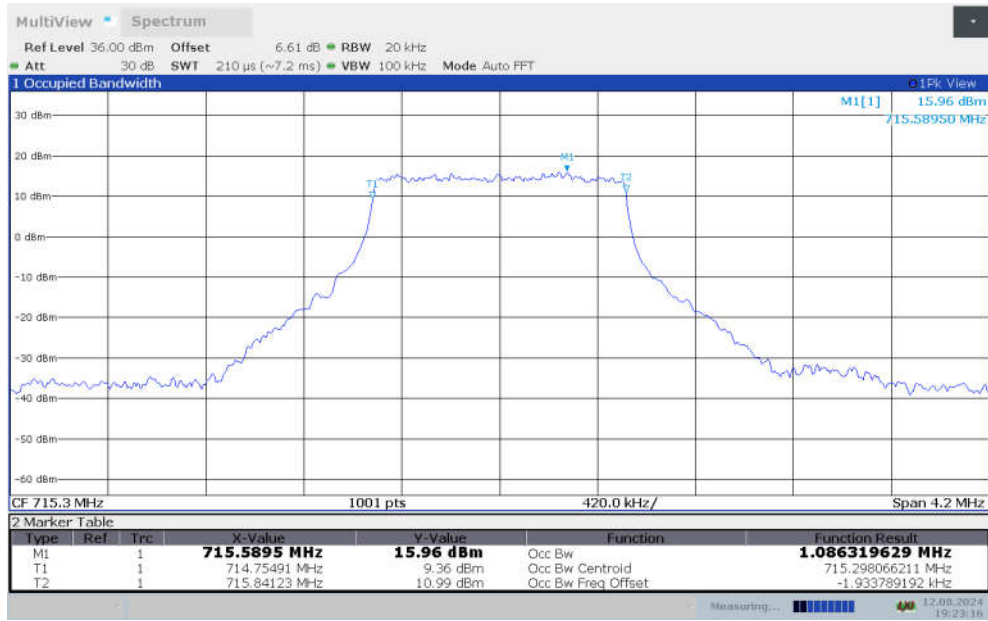


LTE Band 12 , 1.4MHz Bandwidth,MID,16QAM (99% BW)

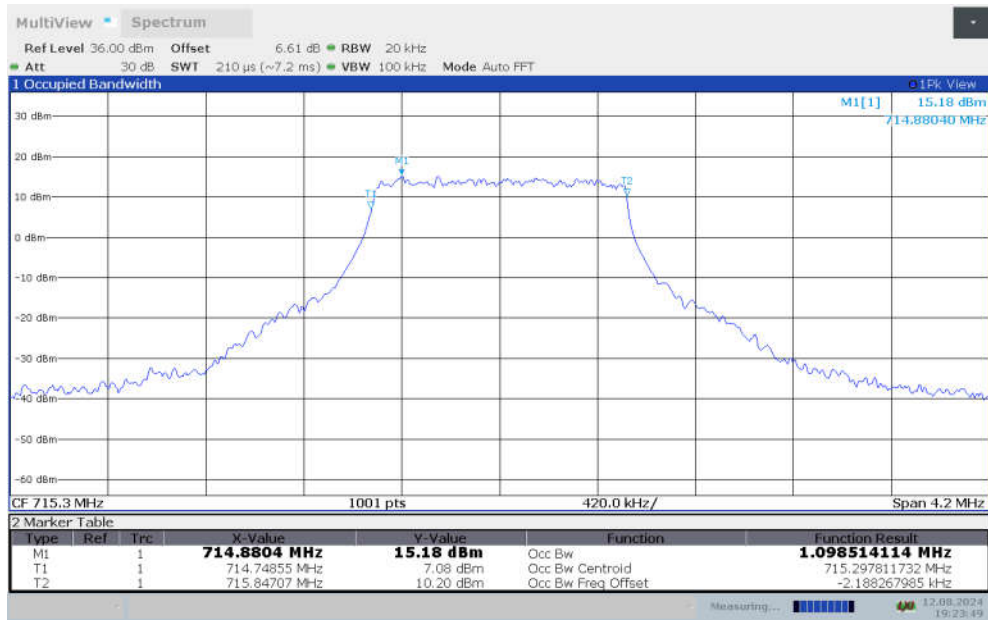




LTE Band 12 , 1.4MHz Bandwidth,HIGH,QPSK (99% BW)



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

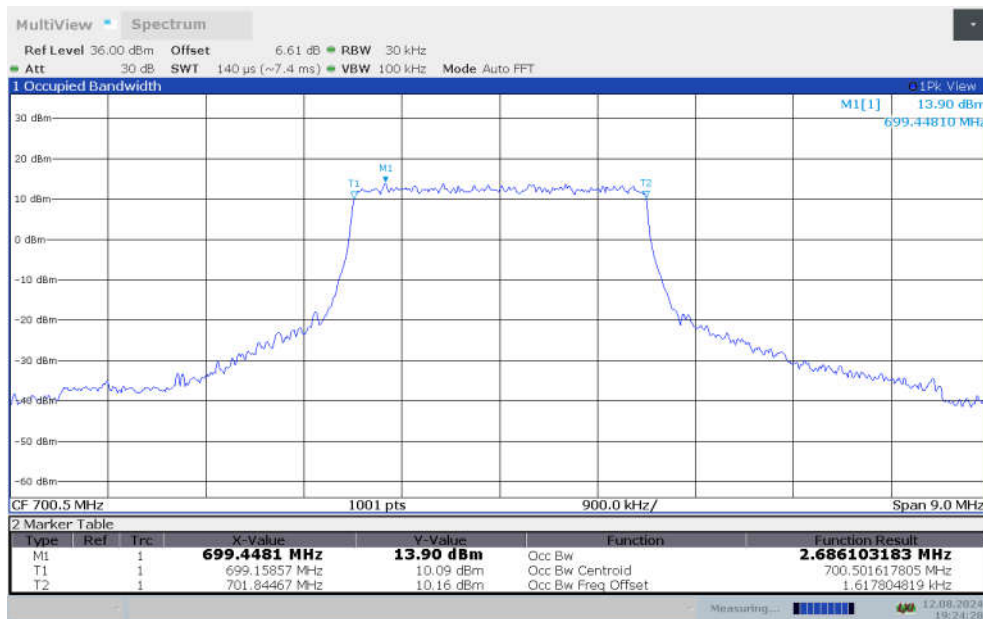




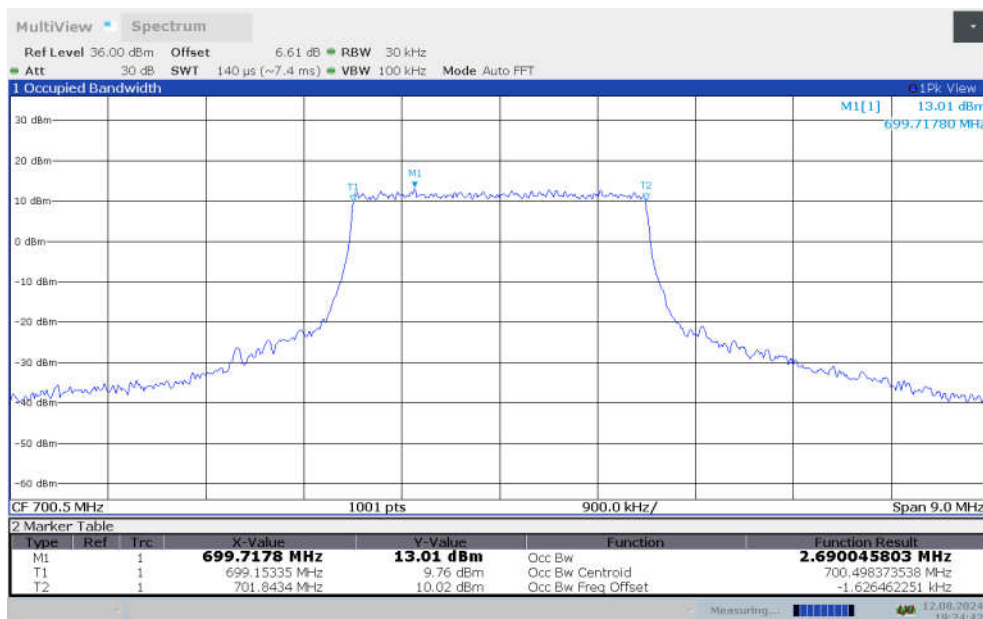
LTE Band 12,3MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
700.5	2.686	2.690
707.5	2.691	2.686
714.5	2.687	2.687

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

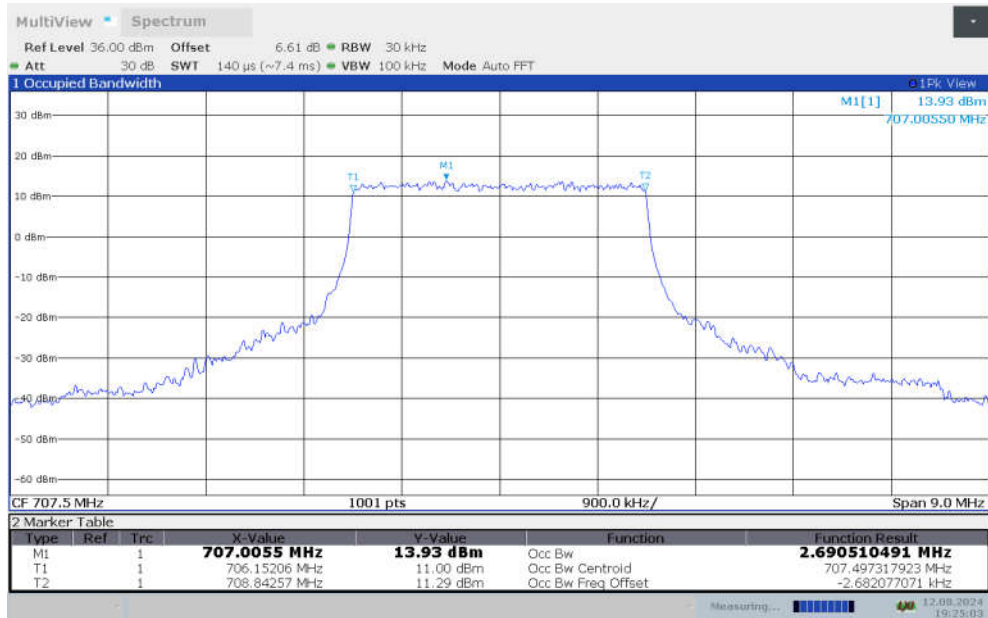


LTE Band 12 , 3MHz Bandwidth,LOW,16QAM (99% BW)

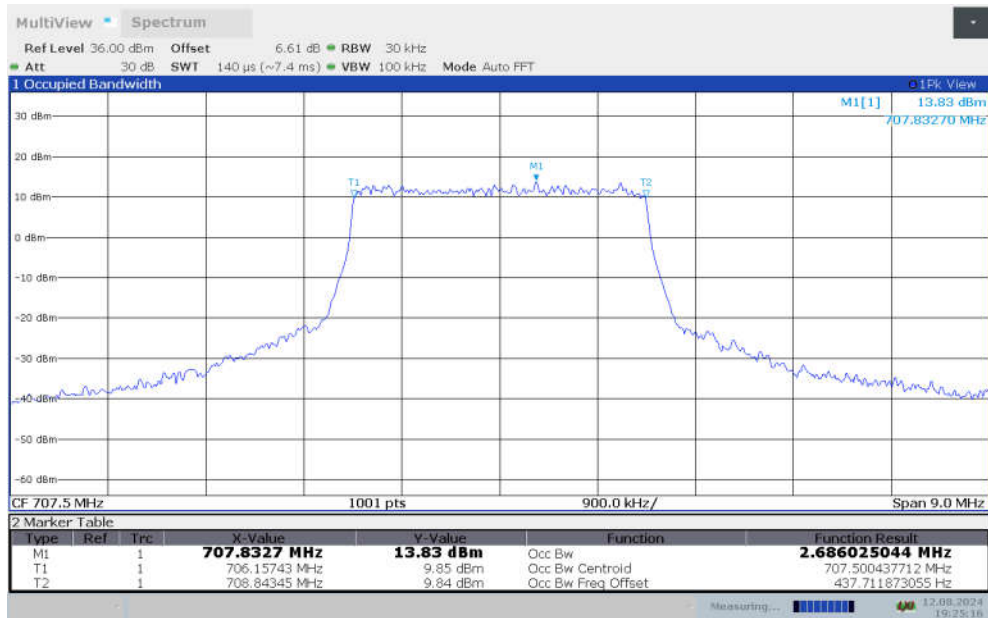




LTE Band 12 , 3MHz Bandwidth,MID,QPSK (99% BW)

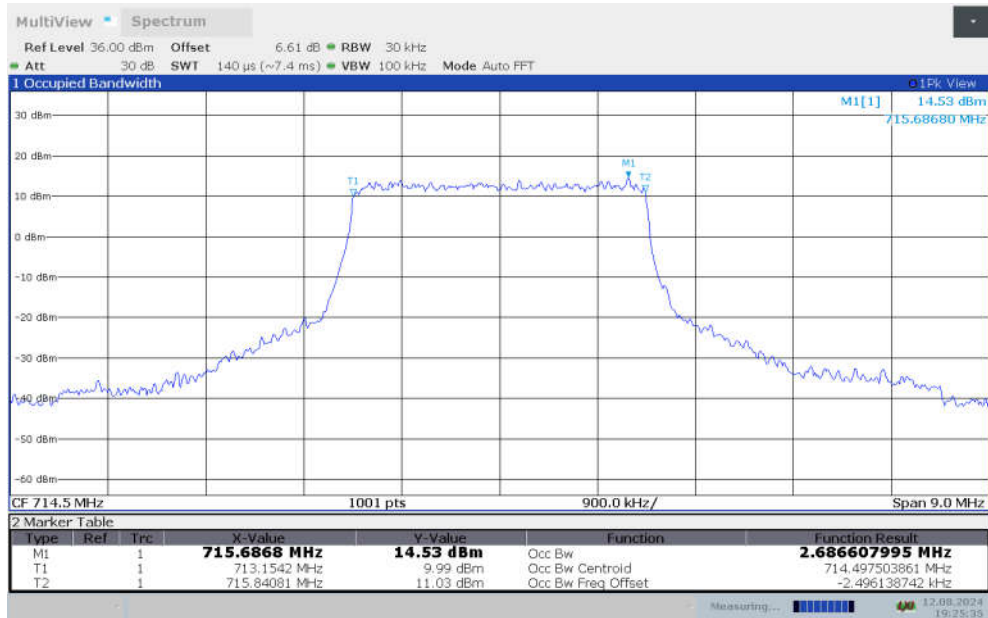


LTE Band 12 , 3MHz Bandwidth,MID,16QAM (99% BW)

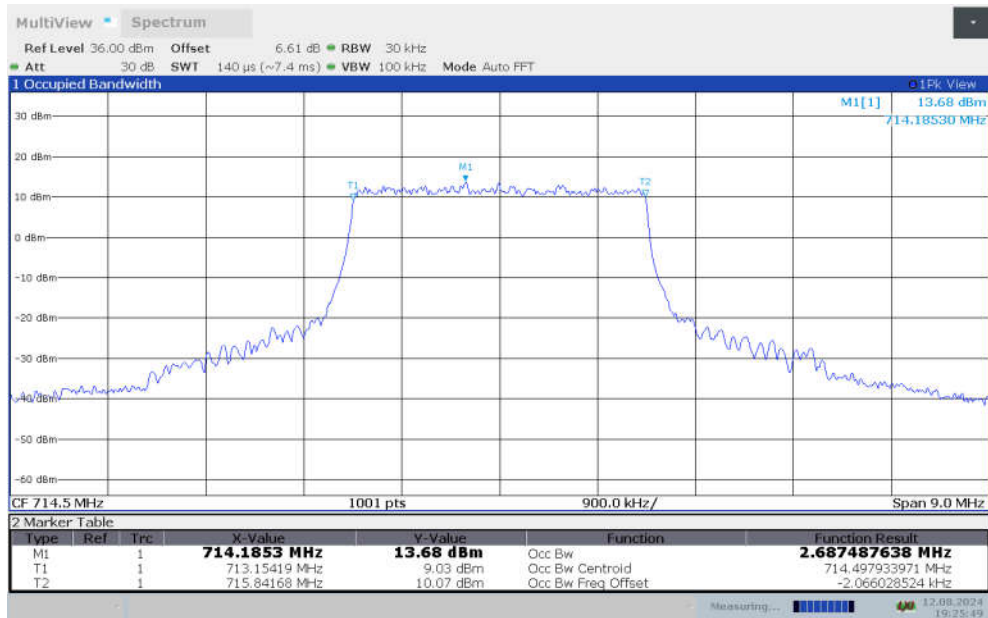




LTE Band 12 , 3MHz Bandwidth,HIGH,QPSK (99% BW)



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

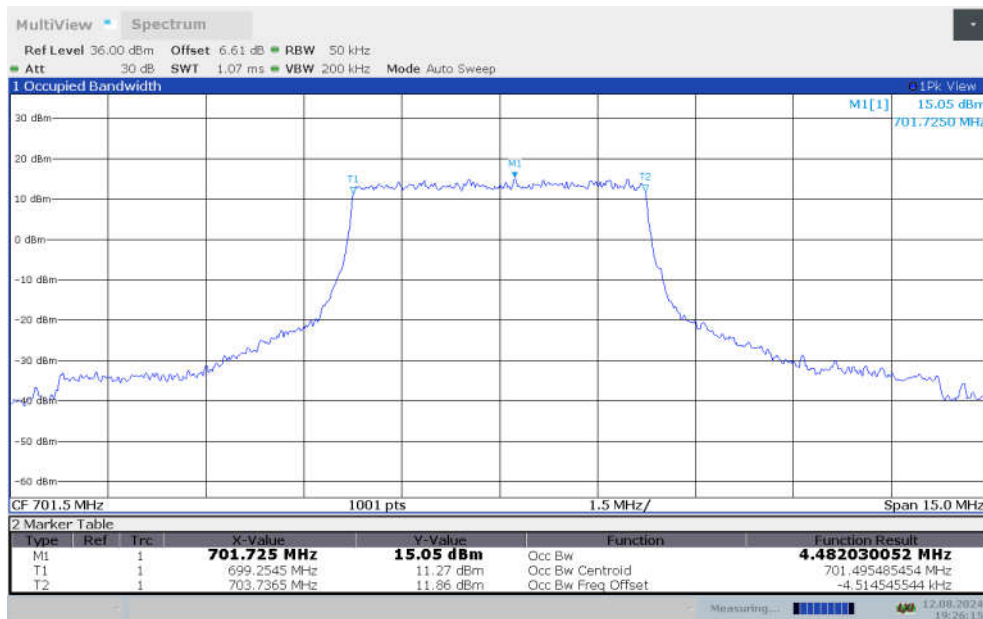




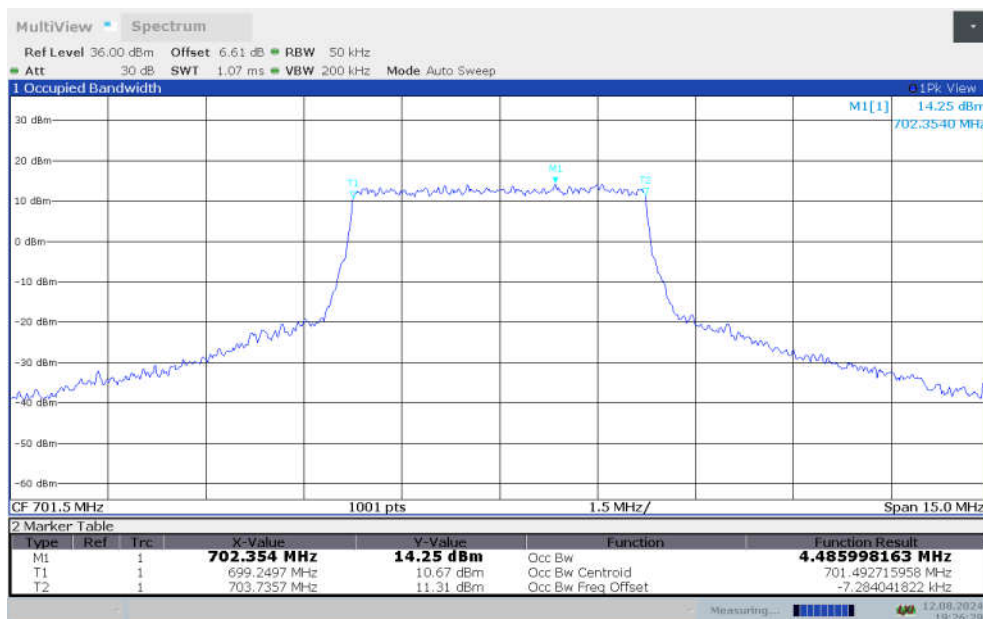
LTE Band 12,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
701.5	4.482	4.486
707.5	4.482	4.488
713.5	4.479	4.487

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

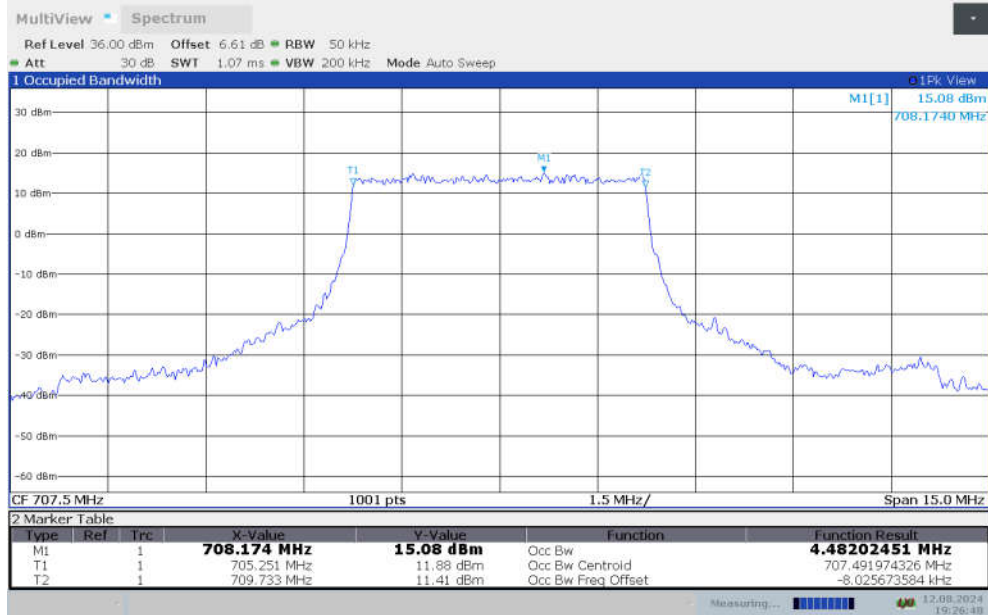


LTE Band 12 , 5MHz Bandwidth,LOW,16QAM (99% BW)

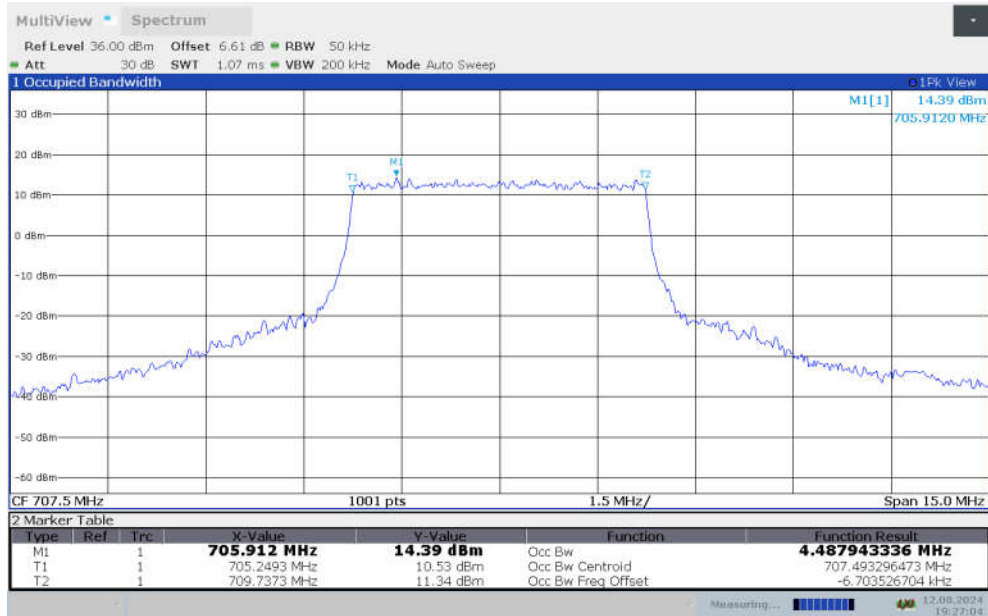




LTE Band 12 , 5MHz Bandwidth,MID,QPSK (99% BW)

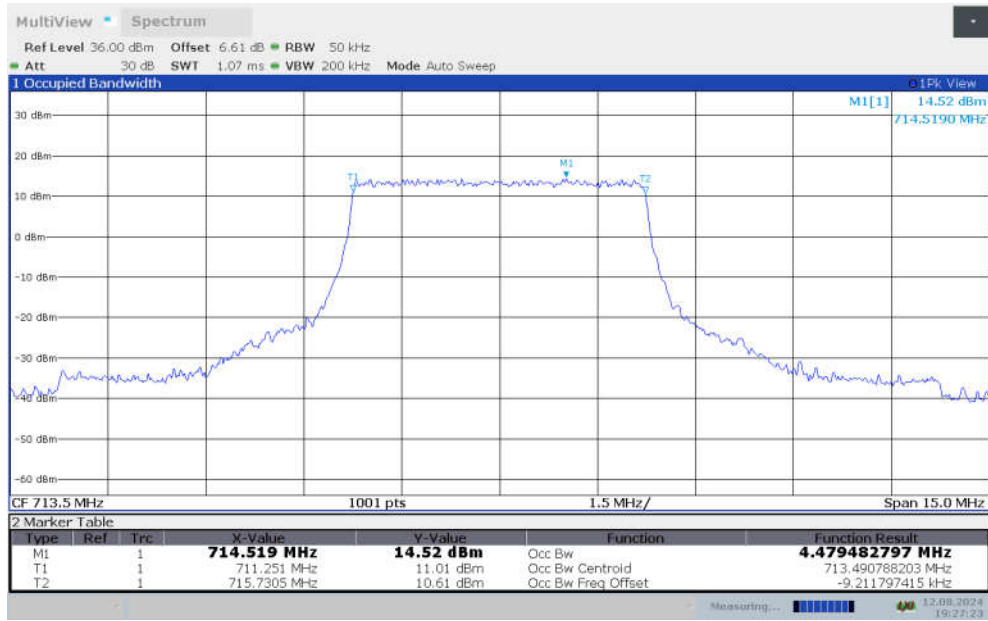


LTE Band 12 , 5MHz Bandwidth,MID,16QAM (99% BW)

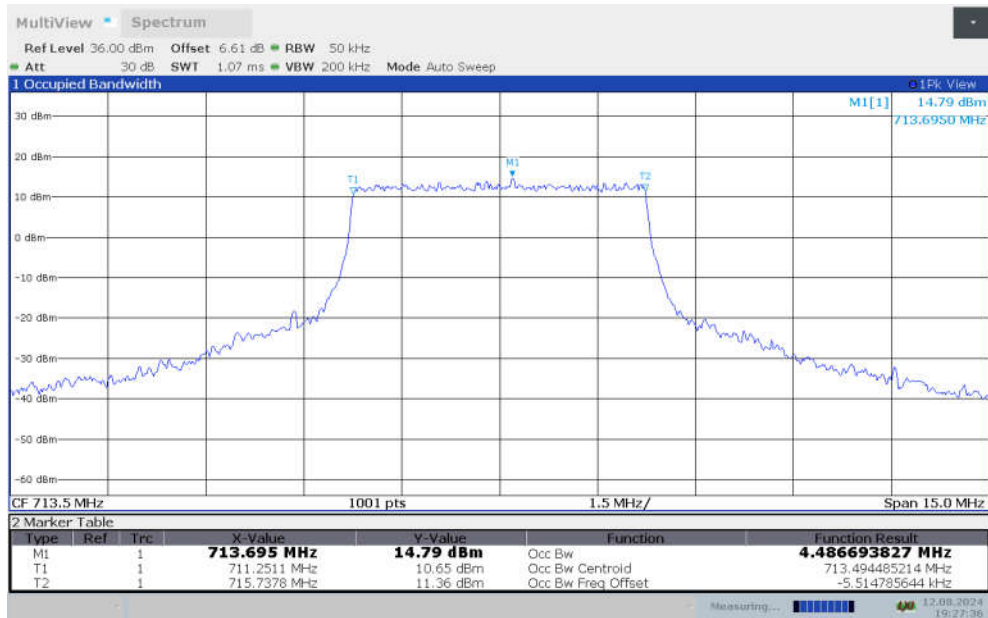




LTE Band 12 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



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

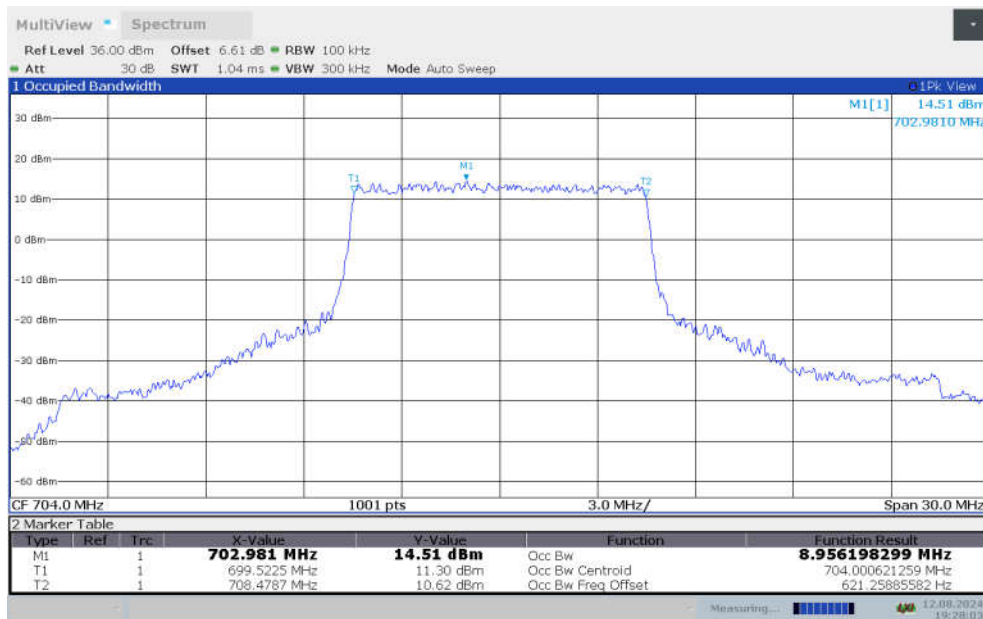




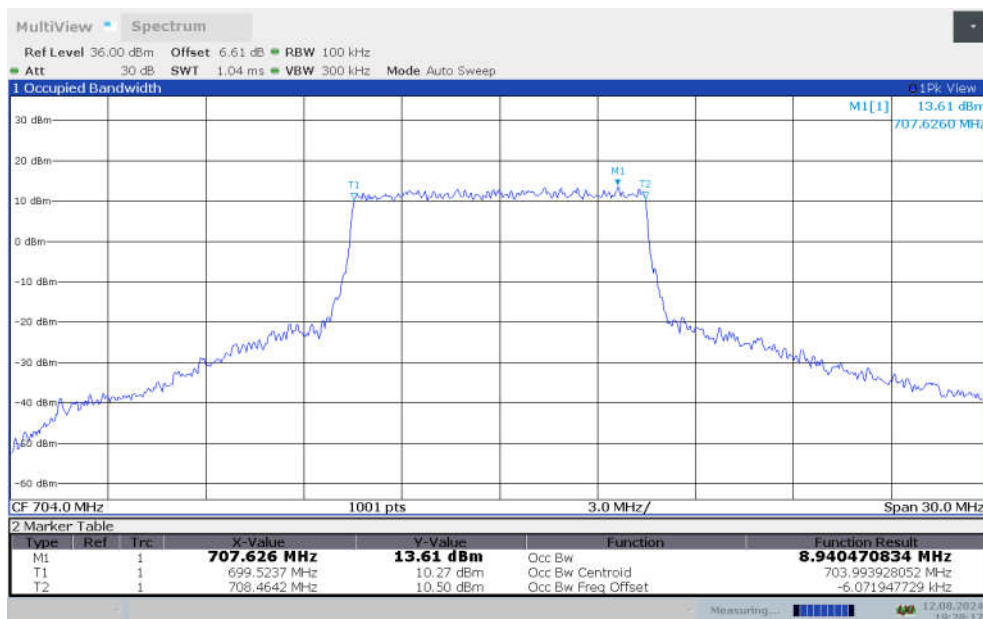
LTE Band 12,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
704	8.956	8.940
707.5	8.949	8.953
711	8.969	8.971

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

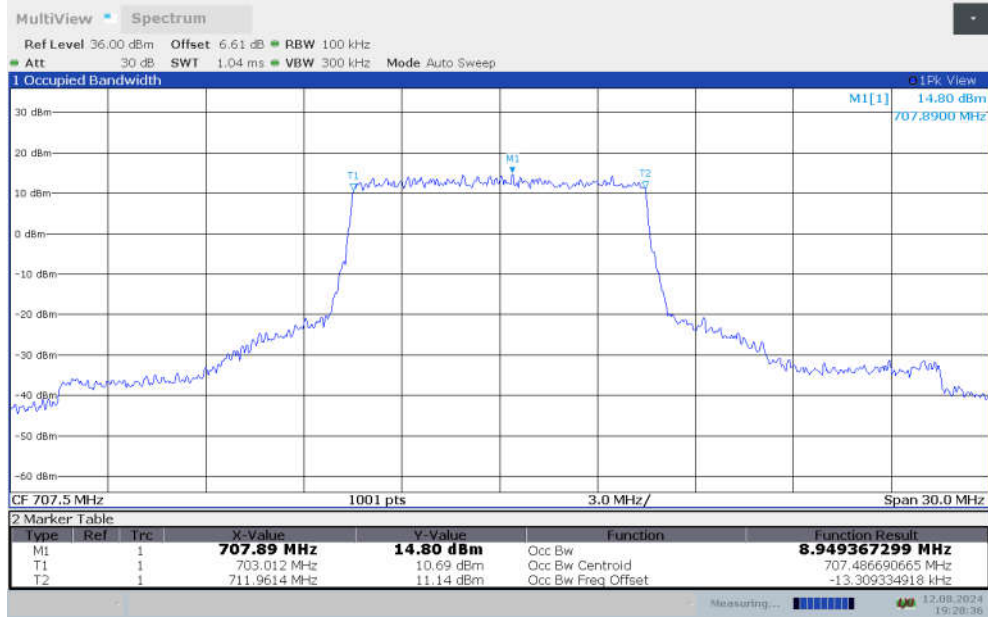


LTE Band 12 , 10MHz Bandwidth,LOW,16QAM (99% BW)

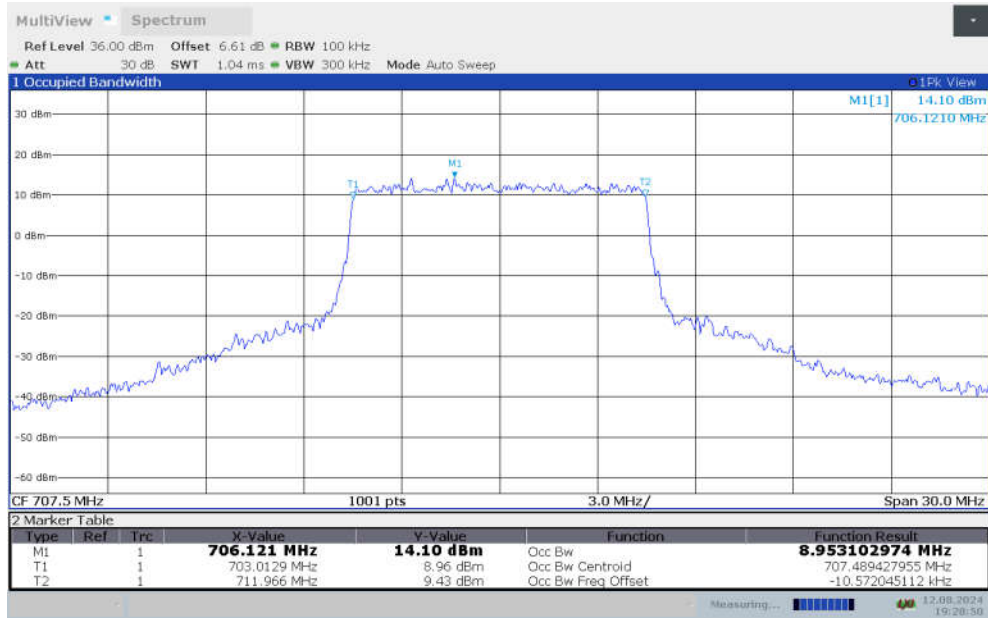




LTE Band 12 , 10MHz Bandwidth,MID,QPSK (99% BW)

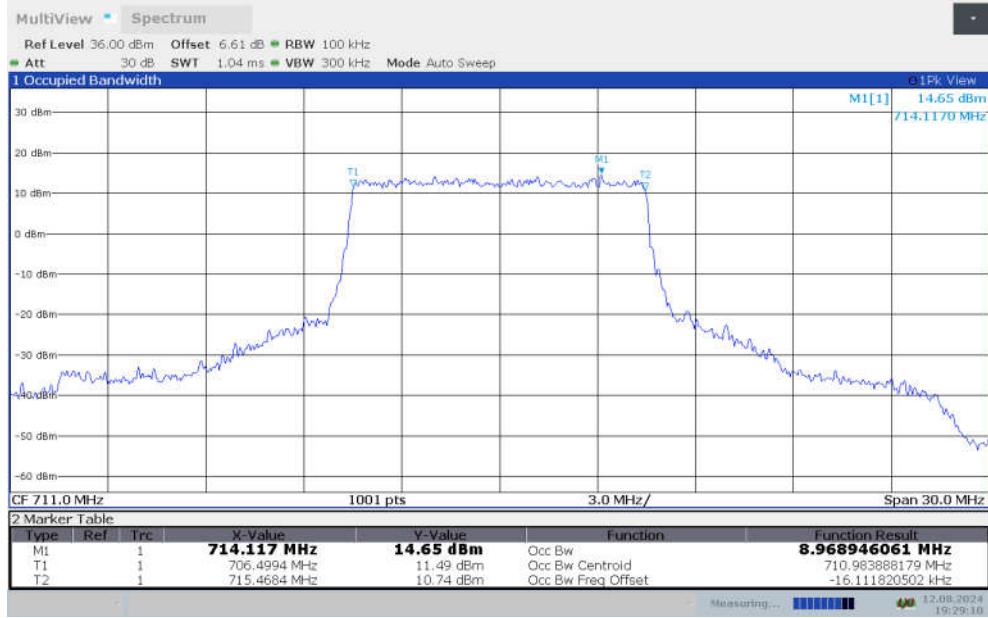


LTE Band 12 , 10MHz Bandwidth,MID,16QAM (99% BW)

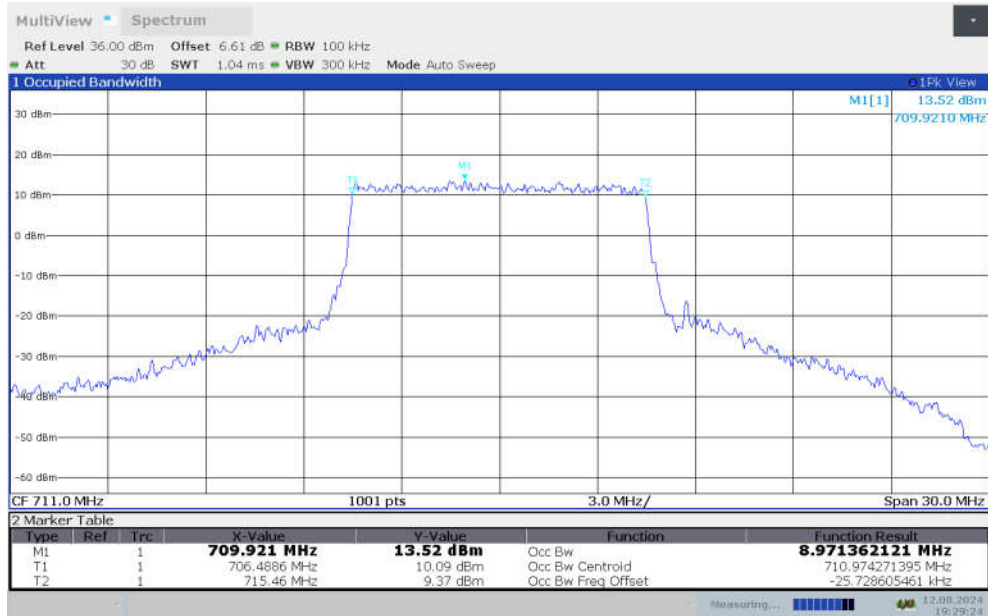




LTE Band 12 , 10MHz Bandwidth,HIGH,QPSK (99% BW)



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

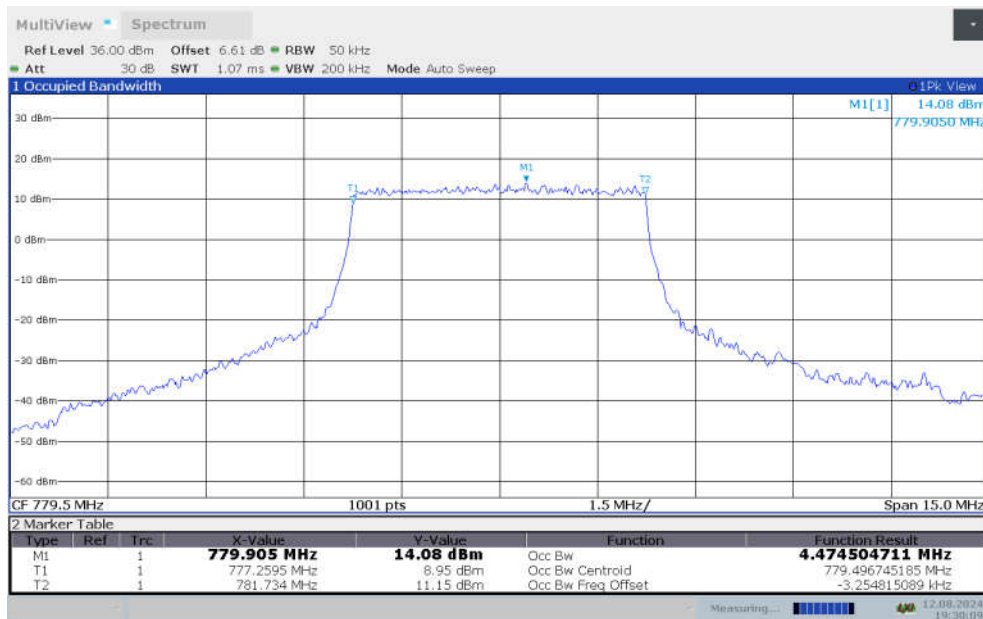




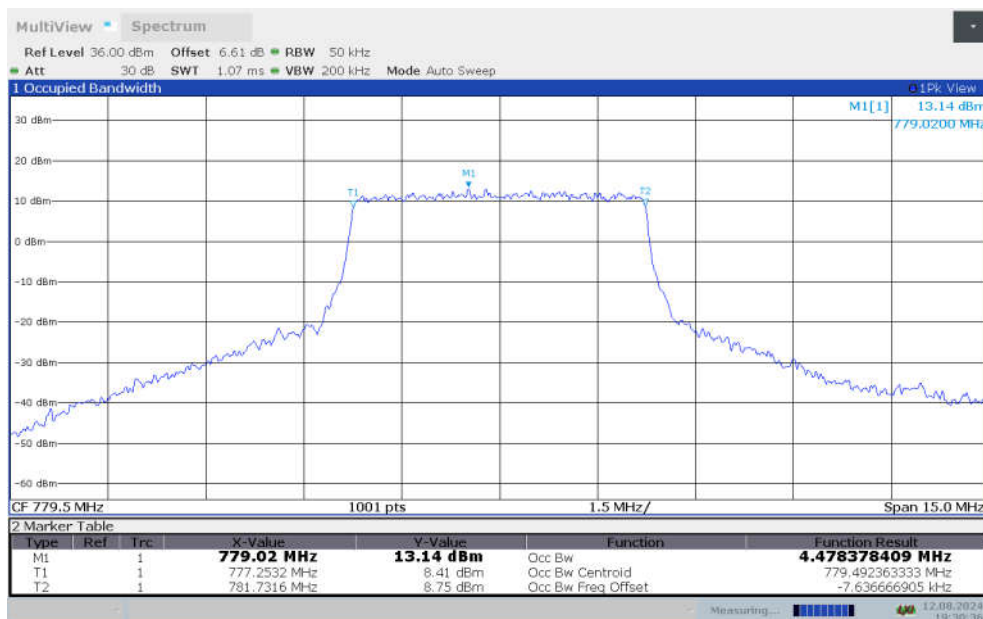
LTE Band 13,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
779.5	4.475	4.478
782	4.480	4.491
784.5	4.488	4.485

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

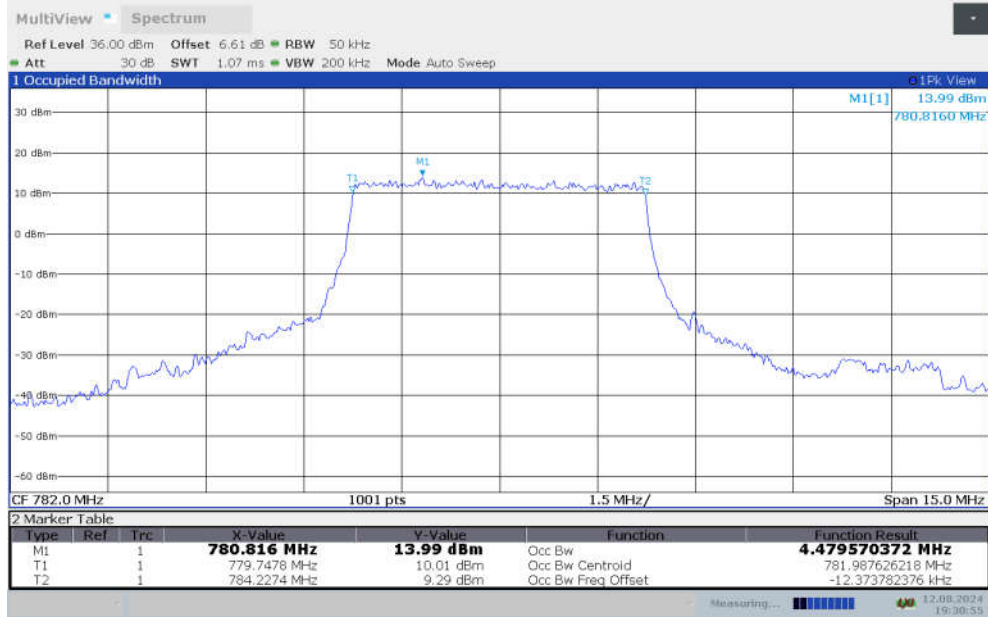


LTE Band 13 , 5MHz Bandwidth,LOW,16QAM (99% BW)

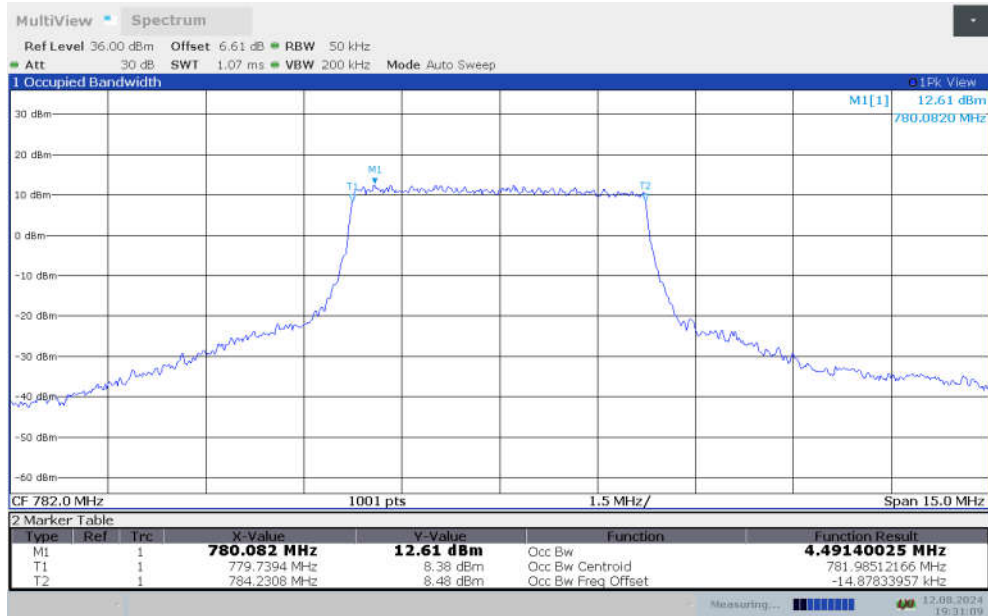




LTE Band 13 , 5MHz Bandwidth,MID,QPSK (99% BW)

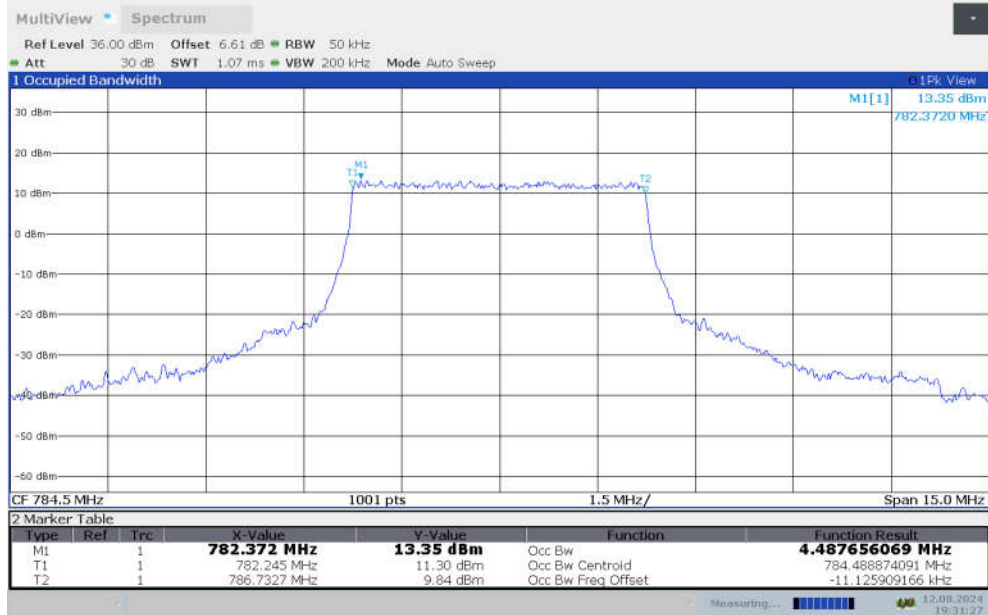


LTE Band 13 , 5MHz Bandwidth,MID,16QAM (99% BW)

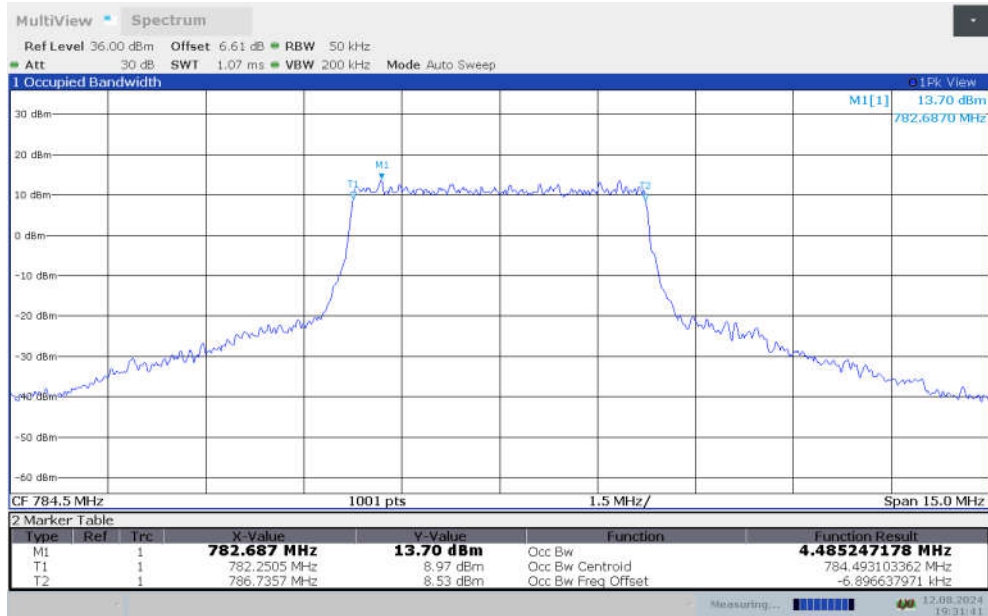




LTE Band 13 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



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

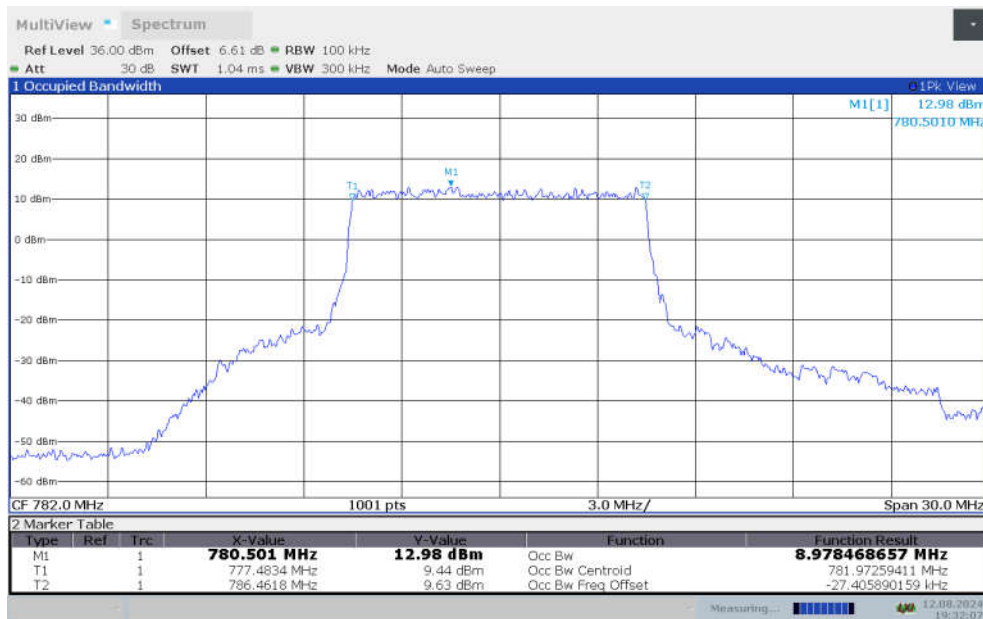




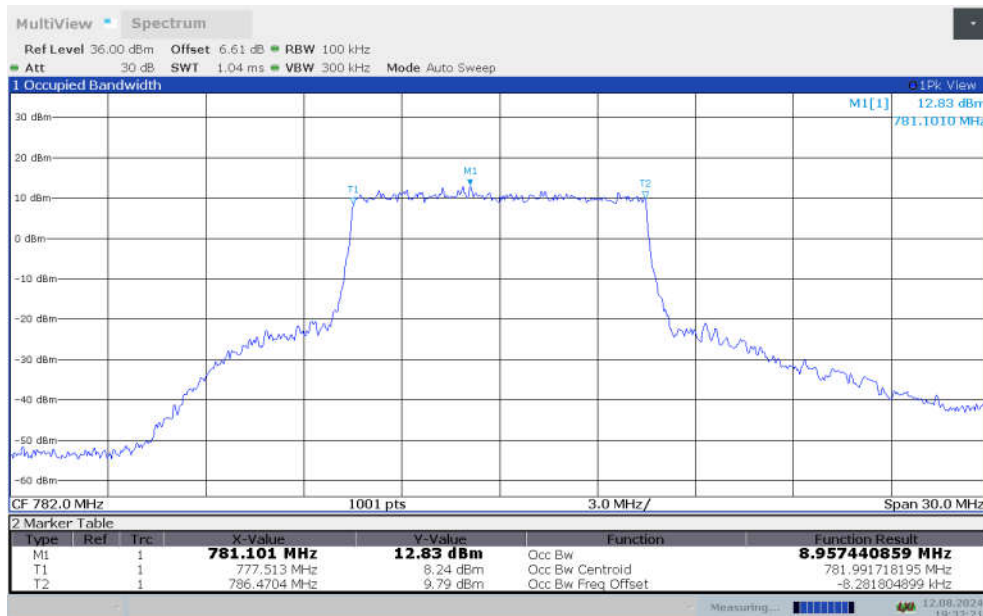
LTE Band 13,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
782	8.978	8.957
782	8.948	8.936
782	8.958	8.957

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

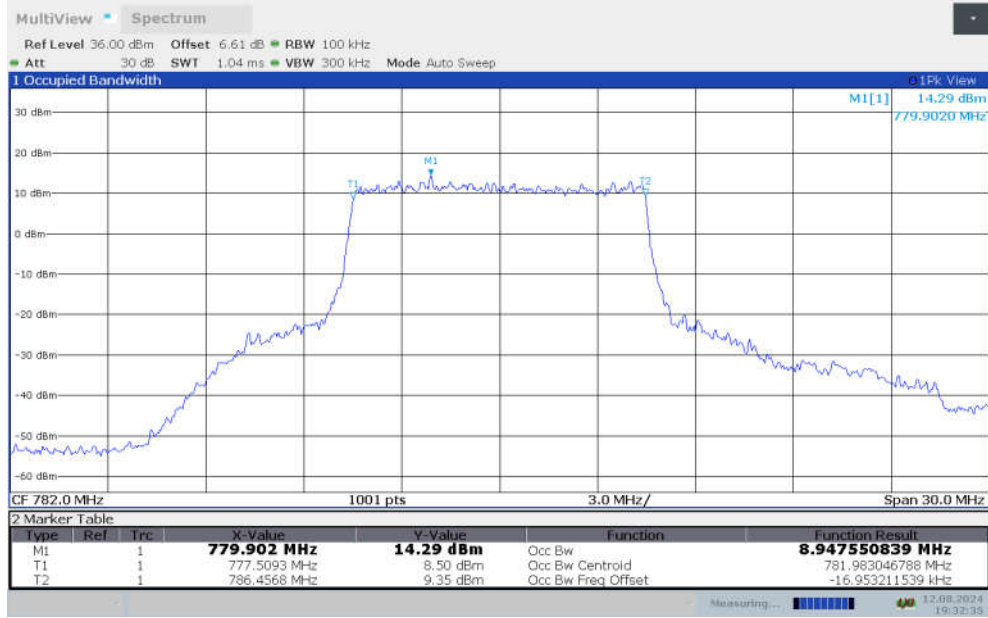


LTE Band 13 , 10MHz Bandwidth,LOW,16QAM (99% BW)

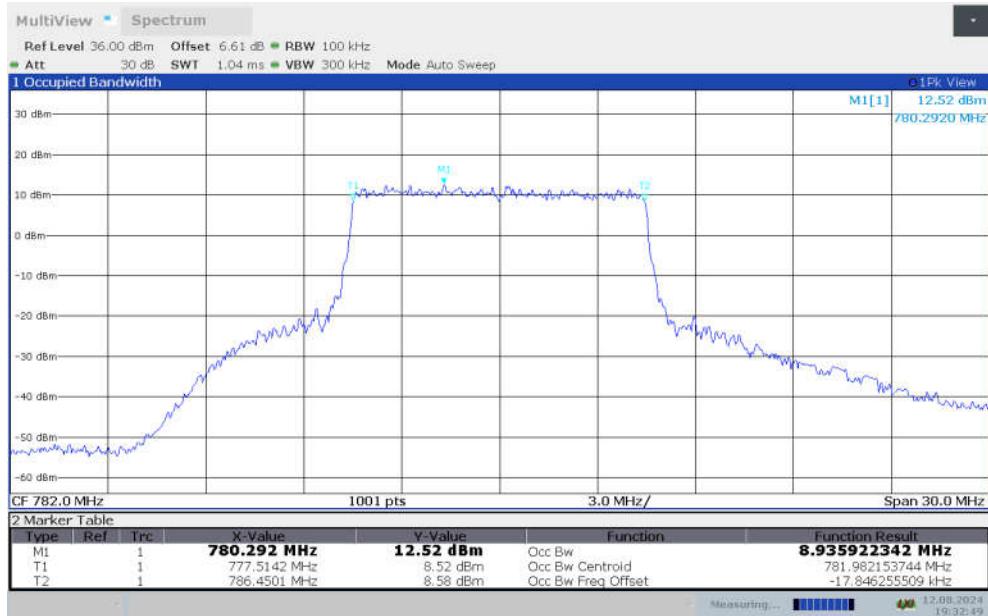




LTE Band 13 , 10MHz Bandwidth,MID,QPSK (99% BW)

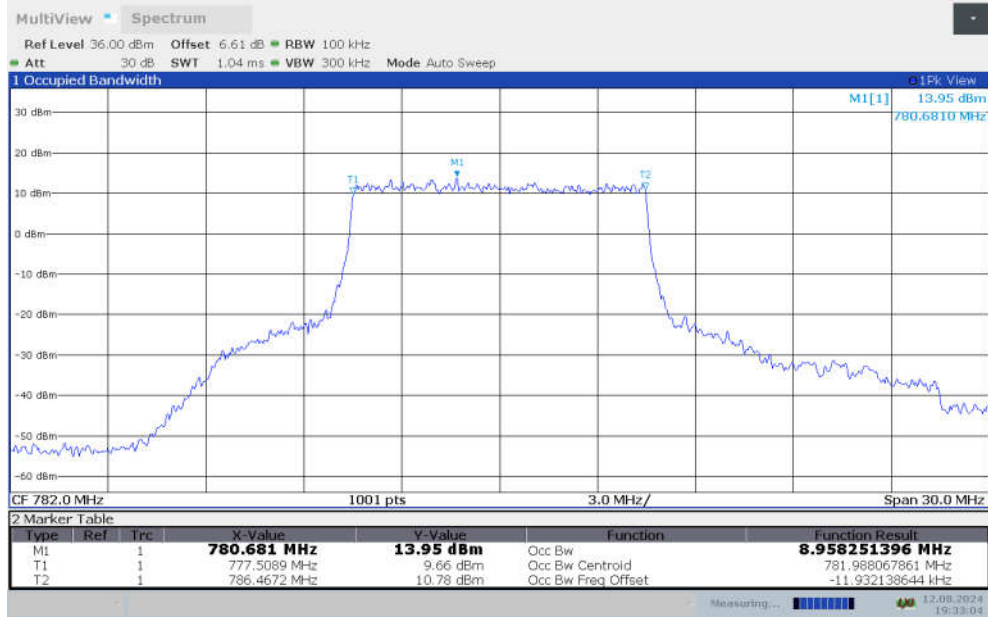


LTE Band 13 , 10MHz Bandwidth,MID,16QAM (99% BW)

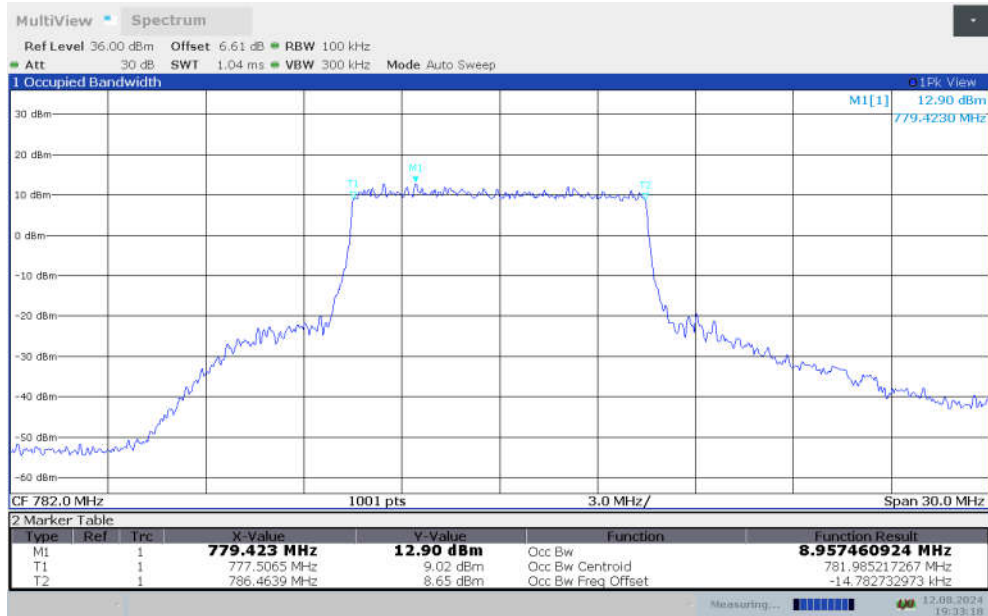




LTE Band 13 , 10MHz Bandwidth,HIGH,QPSK (99% BW)



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

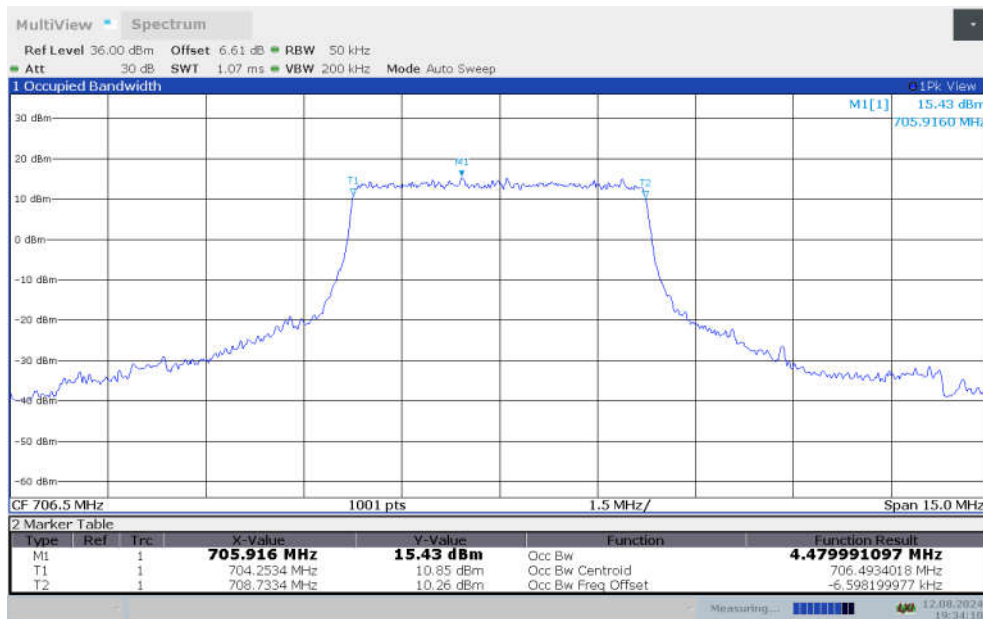




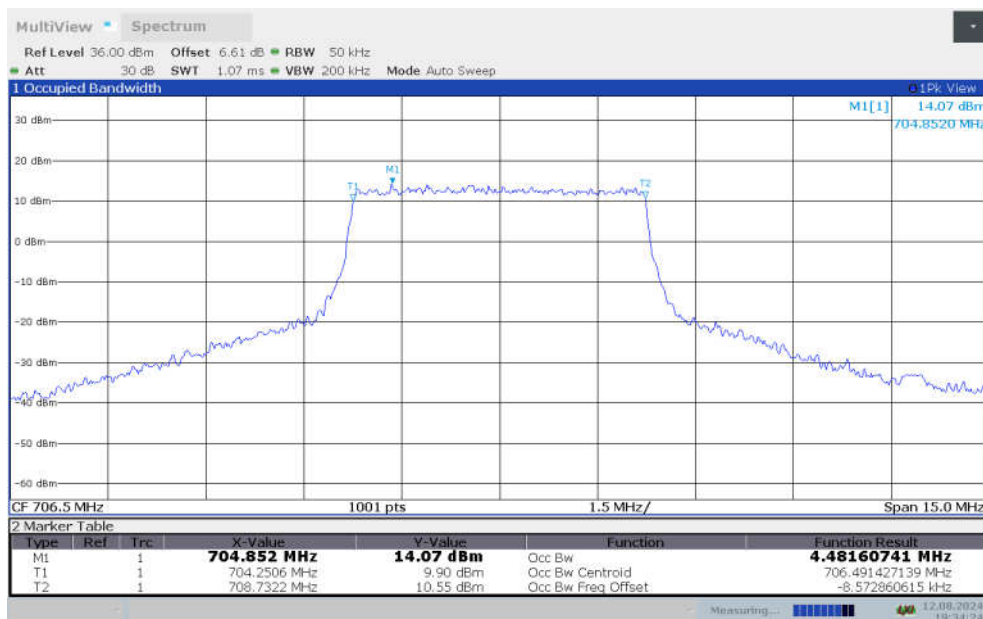
LTE Band 17,5MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
706.5	4.480	4.482
710	4.476	4.498
713.5	4.486	4.484

LTE Band 17 , 5MHz Bandwidth,LOW,QPSK (99% BW)

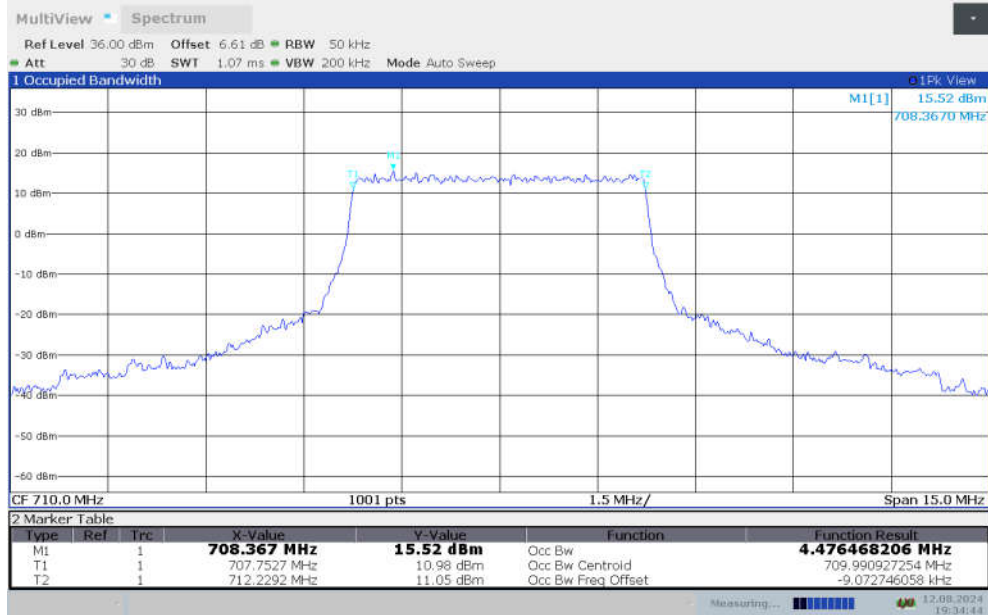


LTE Band 17 , 5MHz Bandwidth,LOW,16QAM (99% BW)

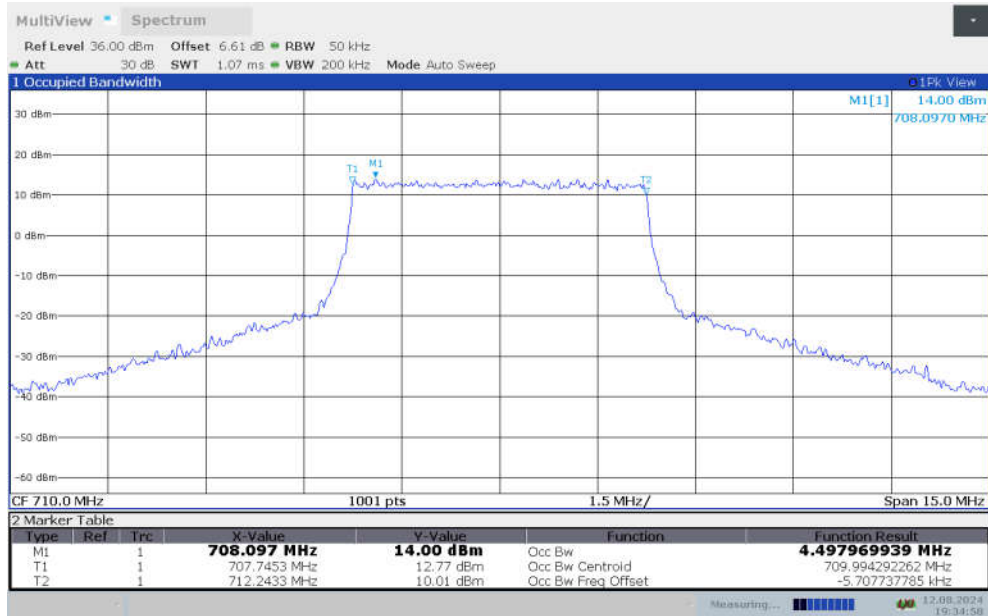




LTE Band 17 , 5MHz Bandwidth,MID,QPSK (99% BW)

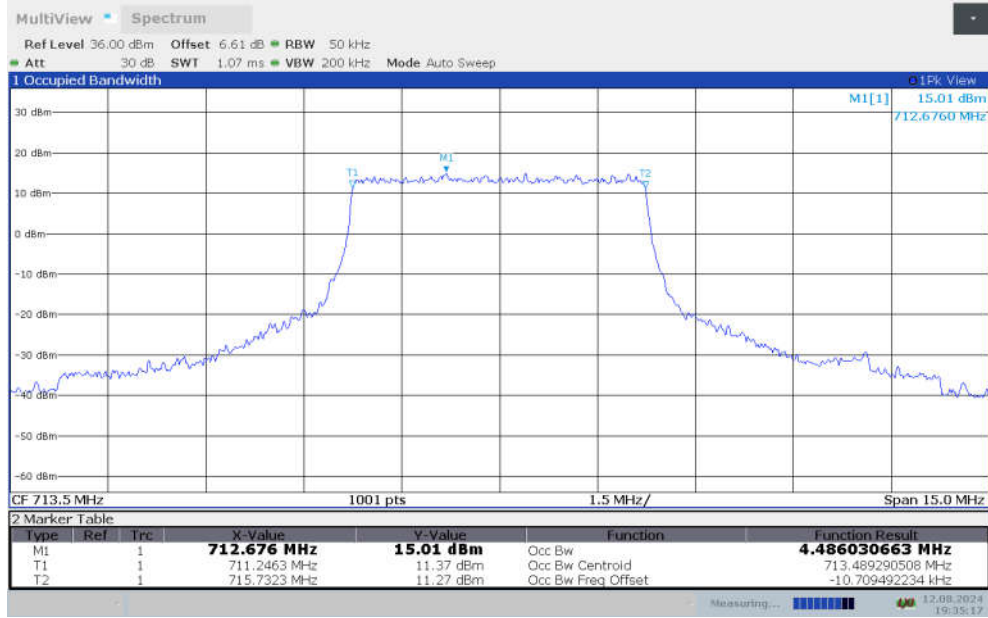


LTE Band 17 , 5MHz Bandwidth,MID,16QAM (99% BW)

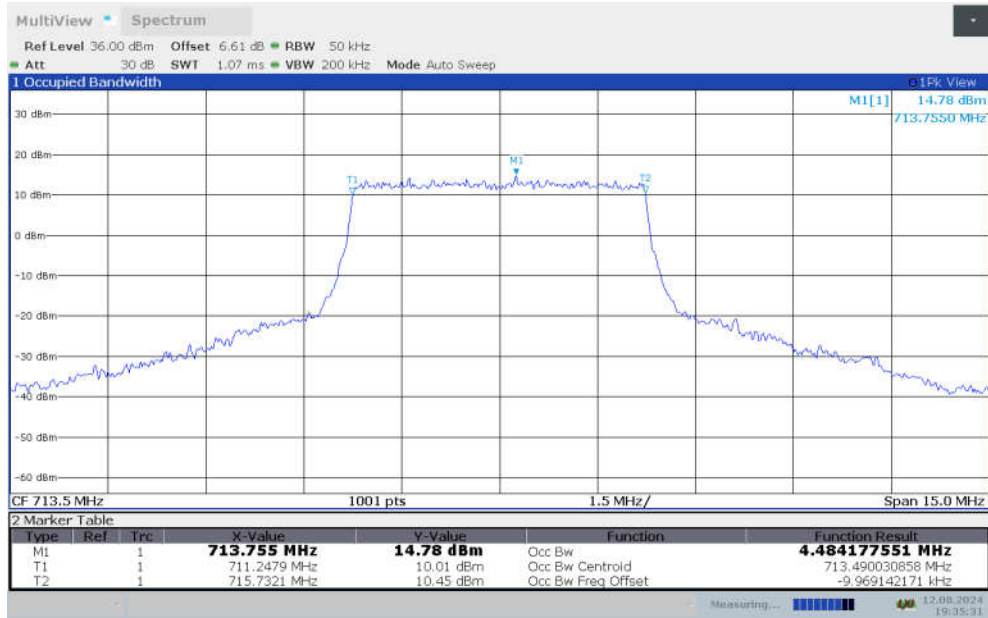




LTE Band 17 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 17 , 5MHz Bandwidth,HIGH,16QAM (99% BW)

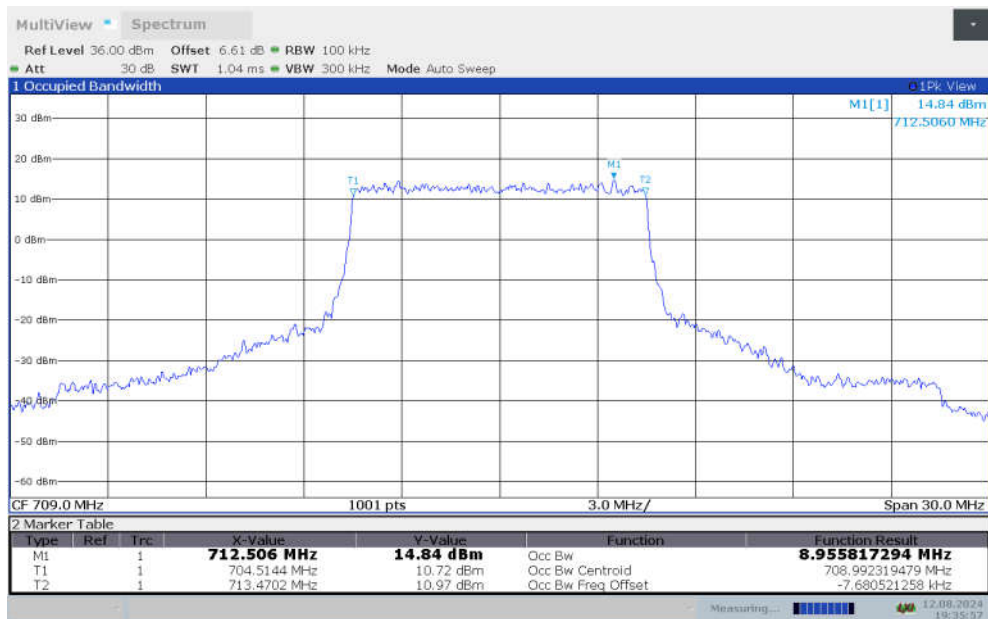




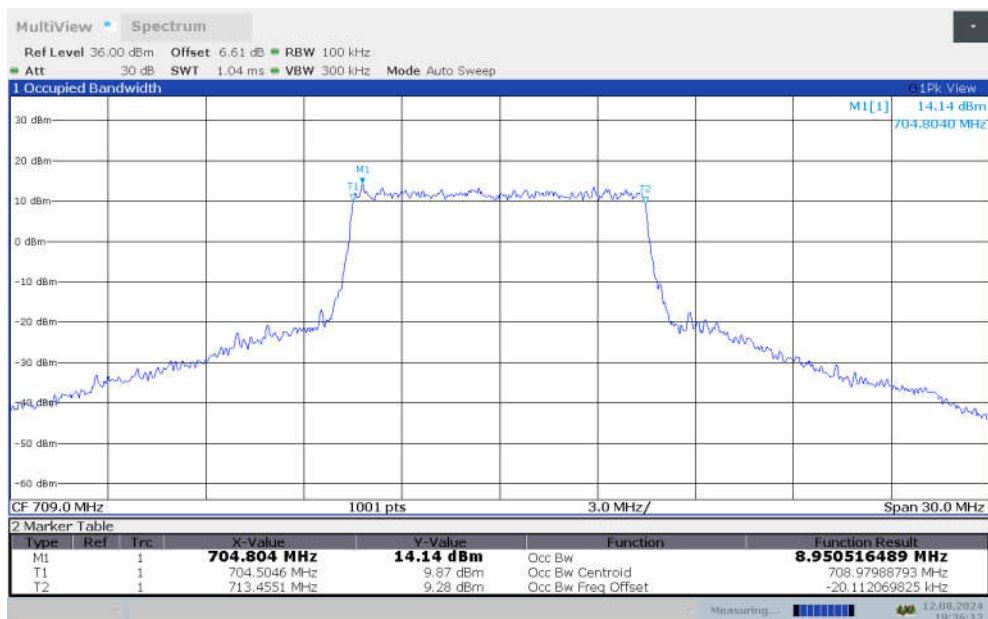
LTE Band 17,10MHz(99% BW)

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)	
	QPSK	16QAM
709	8.956	8.951
710	8.943	8.965
711	8.981	8.975

LTE Band 17 , 10MHz Bandwidth,LOW,QPSK (99% BW)

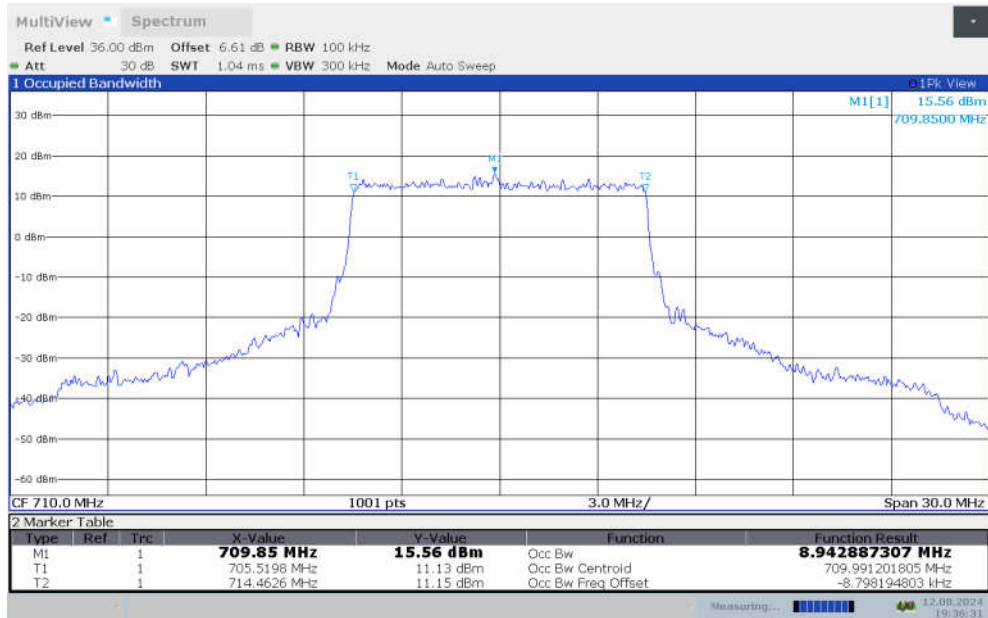


LTE Band 17 , 10MHz Bandwidth,LOW,16QAM (99% BW)





LTE Band 17 , 10MHz Bandwidth,MID,QPSK (99% BW)



LTE Band 17 , 10MHz Bandwidth,MID,16QAM (99% BW)

