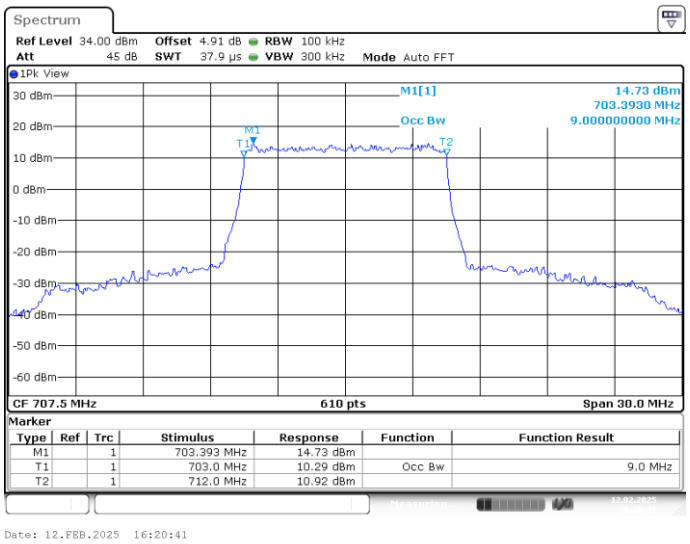
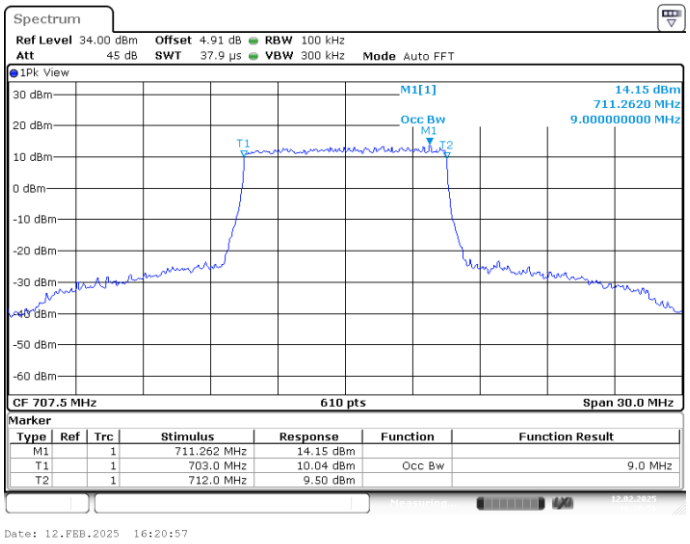
LTE band 12,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
707.5	9.000	9.000

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



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



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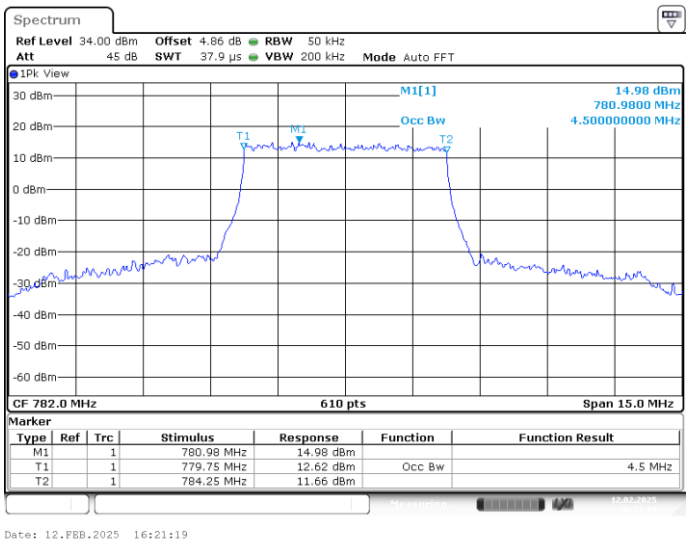
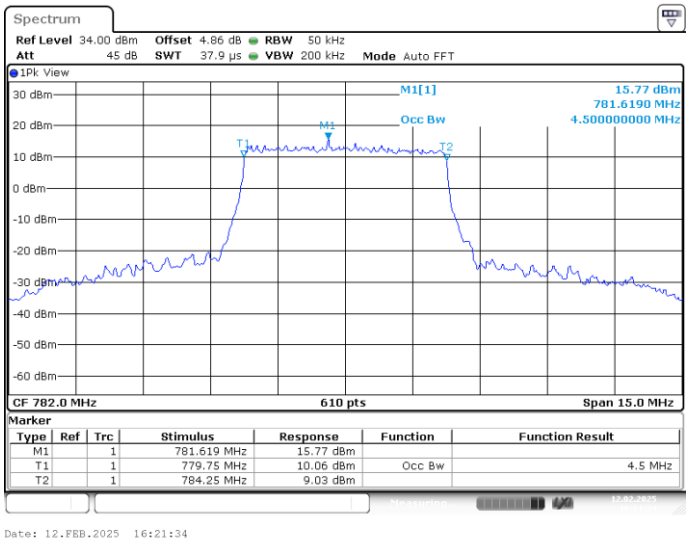
LTE band 13,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
782	4.500	4.500

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



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



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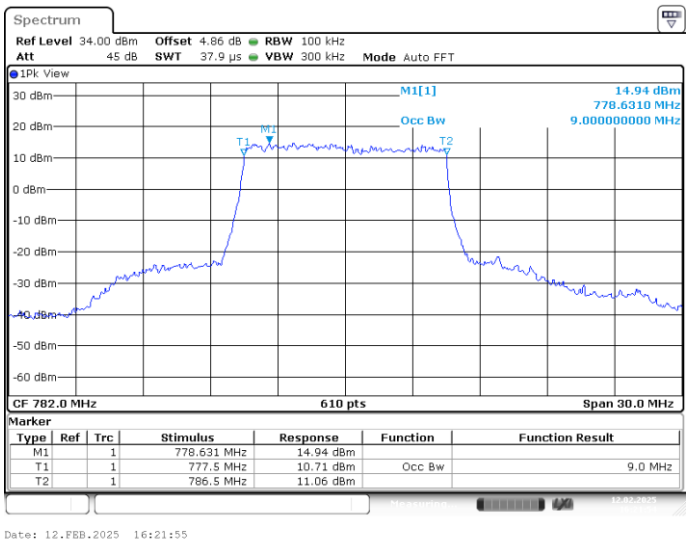
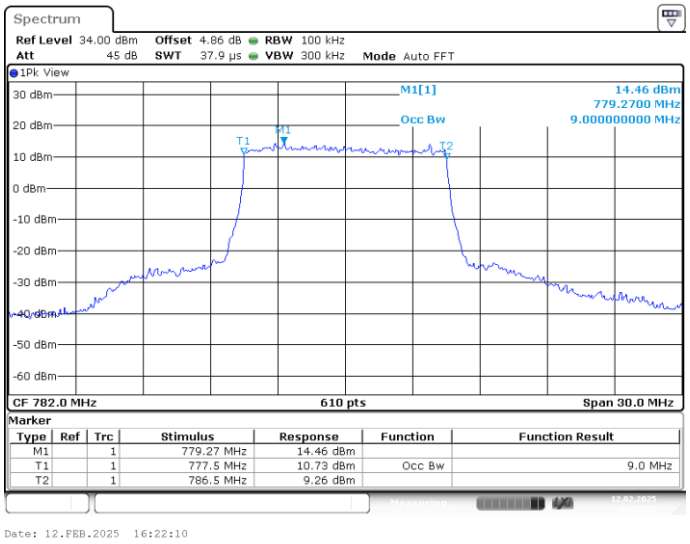
LTE band 13,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
782	9.000	9.000

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



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



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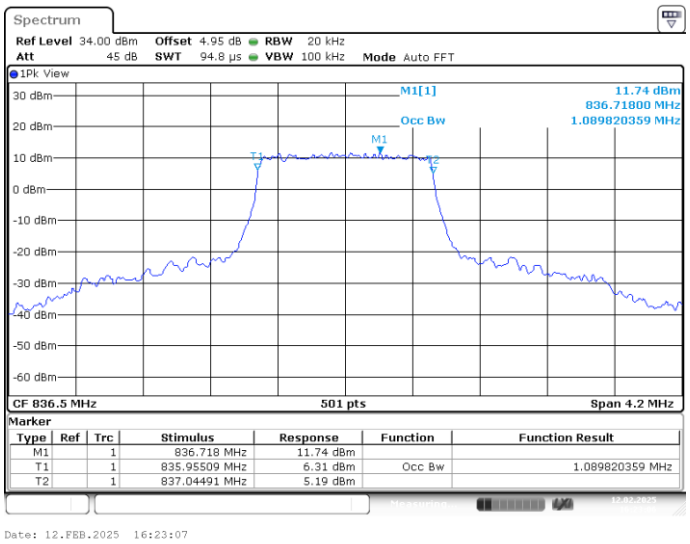
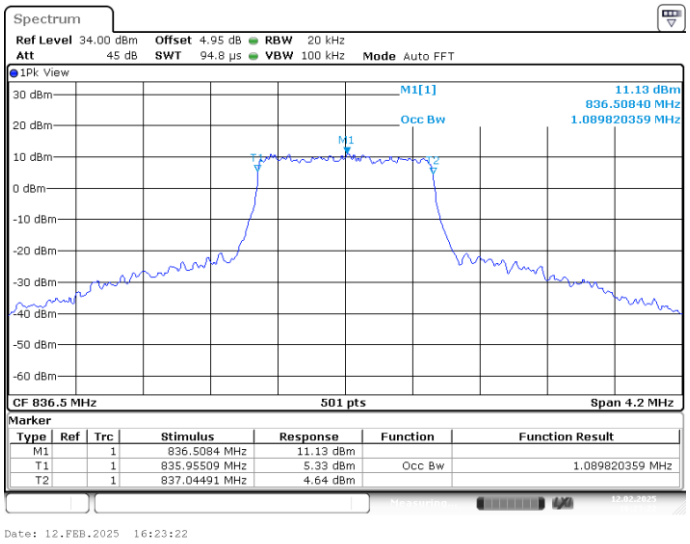
LTE band 26_Part22,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	1.090	1.090

LTE band 26 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



LTE band 26 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



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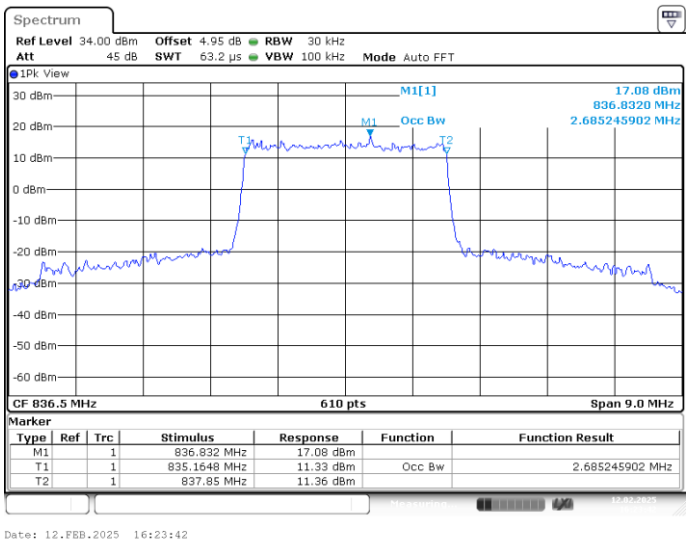
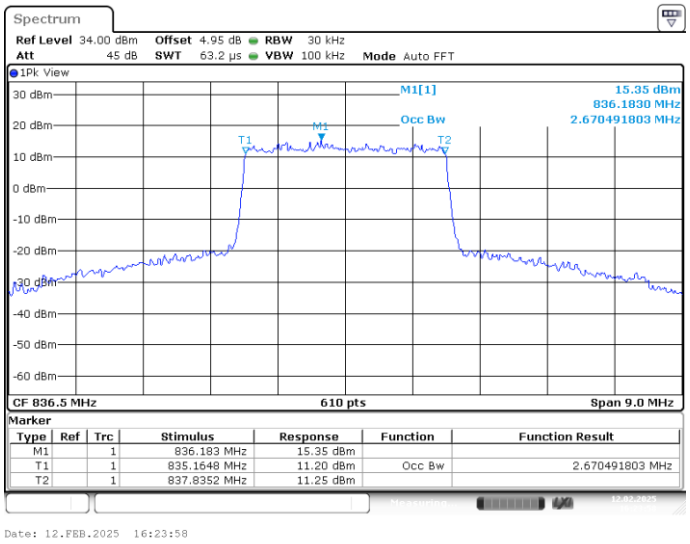
LTE band 26_Part22,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	2.685	2.670

LTE band 26 , 3MHz Bandwidth,MID,QPSK (99% BW)



LTE band 26 , 3MHz Bandwidth,MID,16QAM (99% BW)



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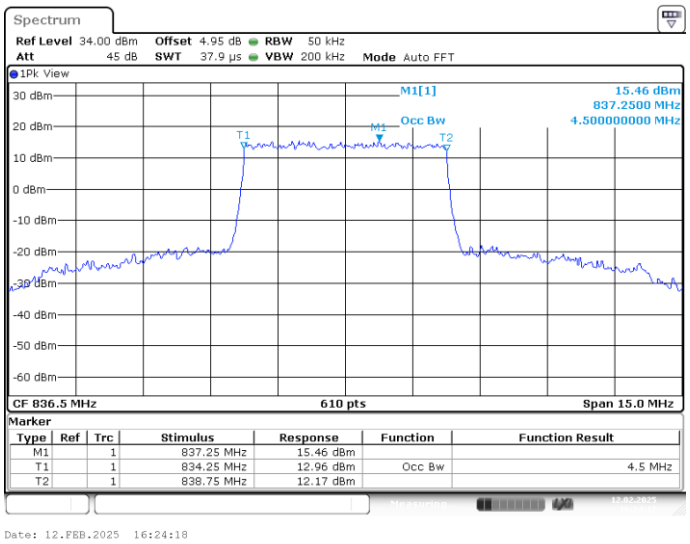
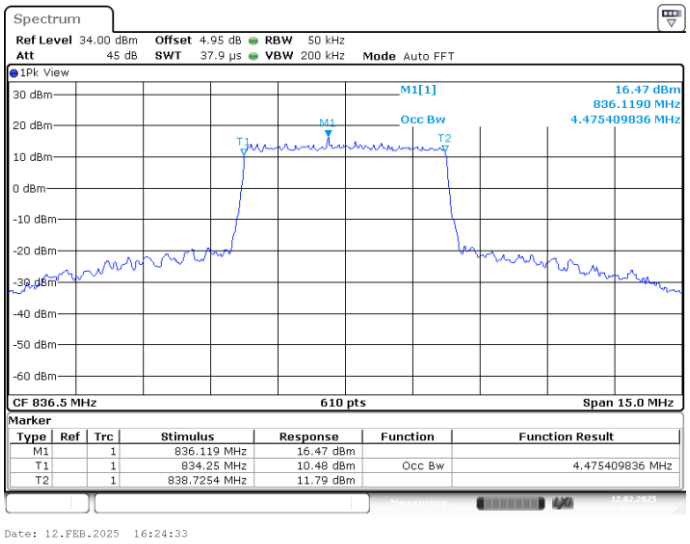
LTE band 26_Part22,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	4.500	4.475

LTE band 26 , 5MHz Bandwidth,MID,QPSK (99% BW)



LTE band 26 , 5MHz Bandwidth,MID,16QAM (99% BW)



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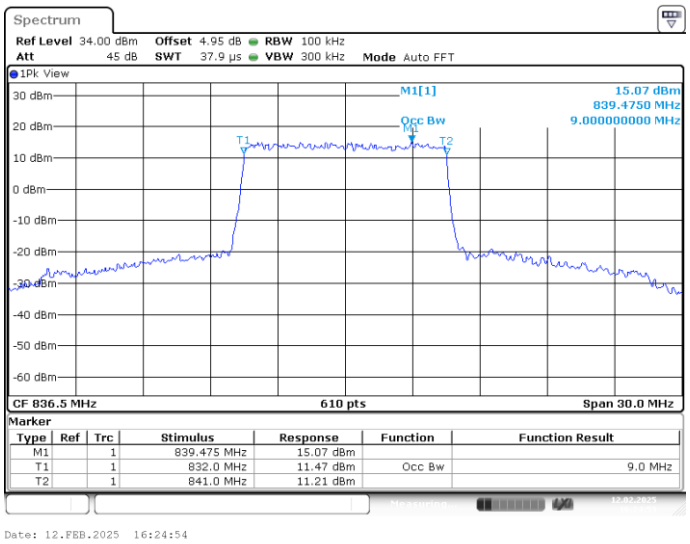
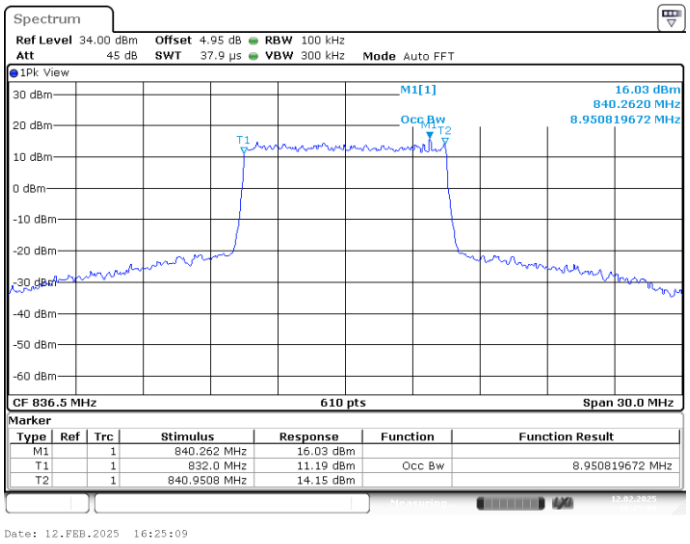
LTE band 26_Part22,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	9.000	8.951

LTE band 26 , 10MHz Bandwidth,MID,QPSK (99% BW)



LTE band 26 , 10MHz Bandwidth,MID,16QAM (99% BW)



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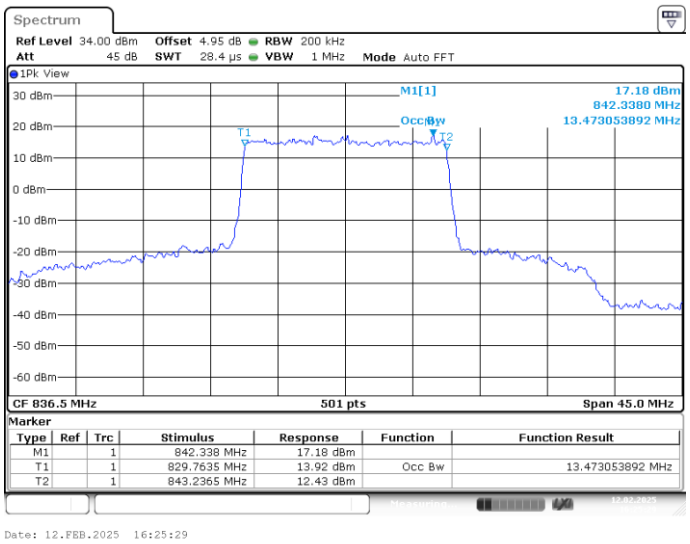
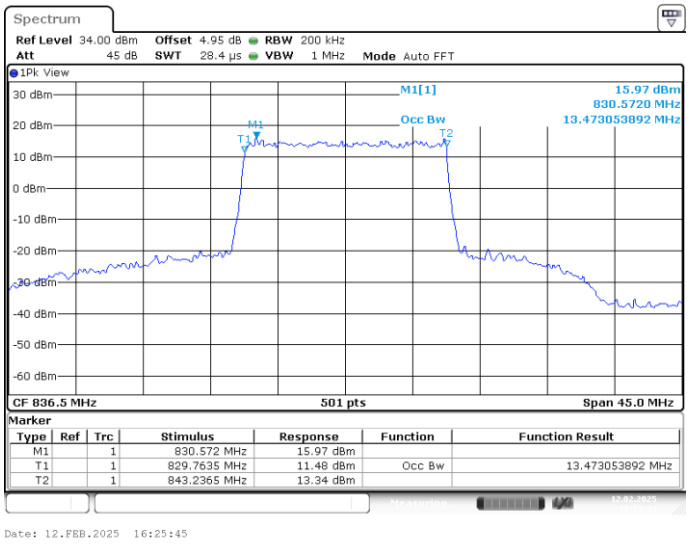
LTE band 26_Part22,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
836.5	13.473	13.473

LTE band 26 , 15MHz Bandwidth,MID,QPSK (99% BW)



LTE band 26 , 15MHz Bandwidth,MID,16QAM (99% BW)



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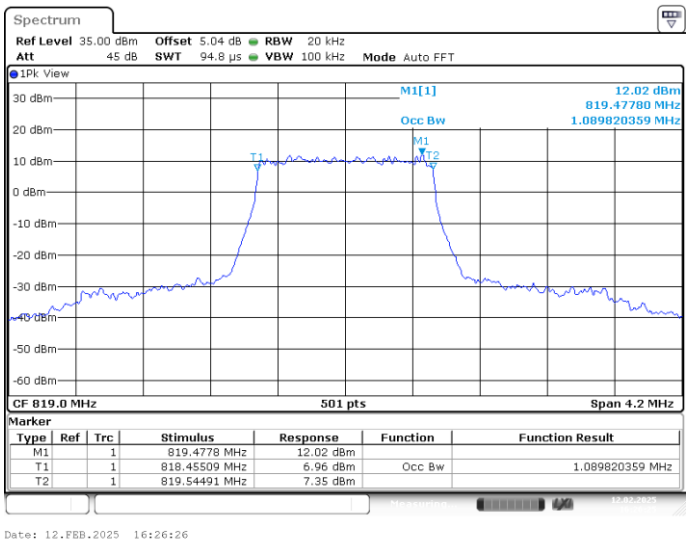
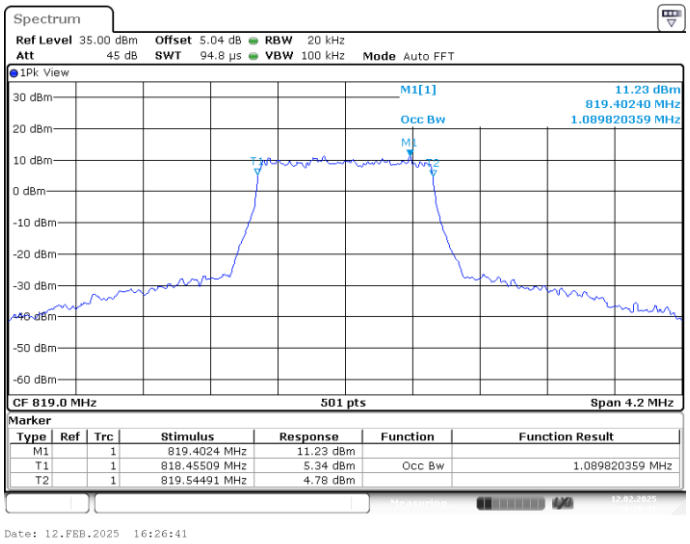
LTE band 26_Part90,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	1.090	1.090

LTE band 26 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



LTE band 26 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



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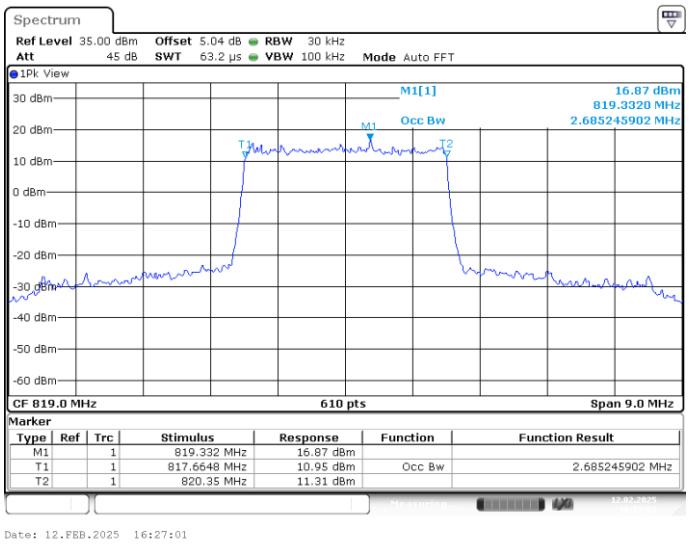
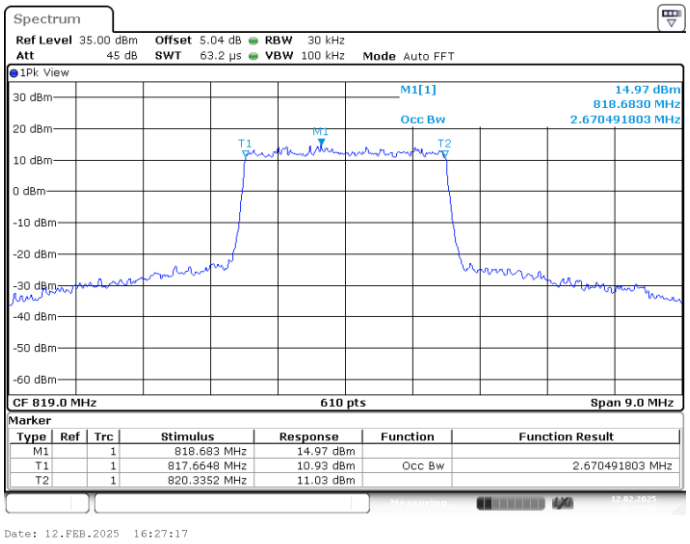
LTE band 26_Part90,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	2.685	2.670

LTE band 26 , 3MHz Bandwidth,MID,QPSK (99% BW)



LTE band 26 , 3MHz Bandwidth,MID,16QAM (99% BW)



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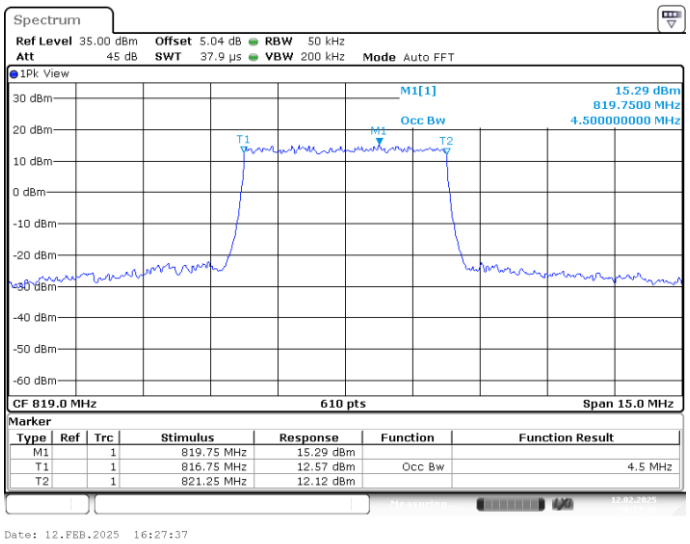
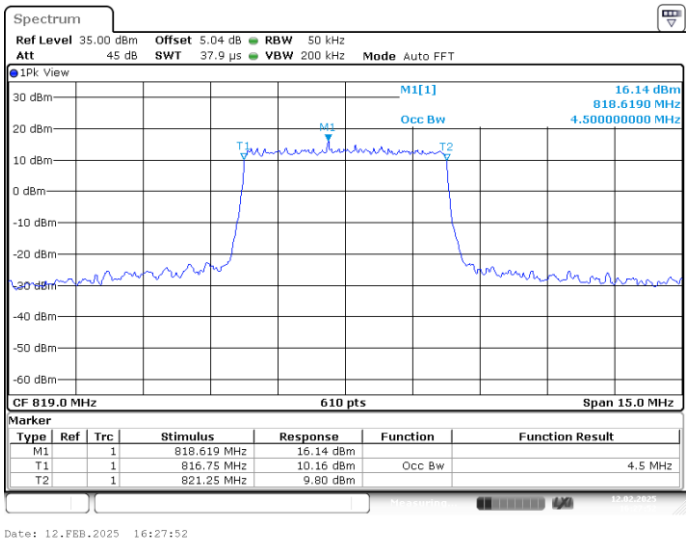
LTE band 26_Part90,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	4.500	4.500

LTE band 26 , 5MHz Bandwidth,MID,QPSK (99% BW)



LTE band 26 , 5MHz Bandwidth,MID,16QAM (99% BW)



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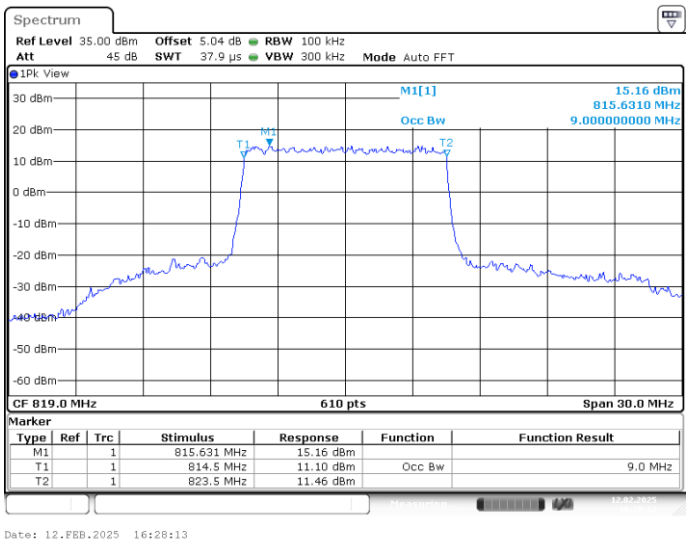
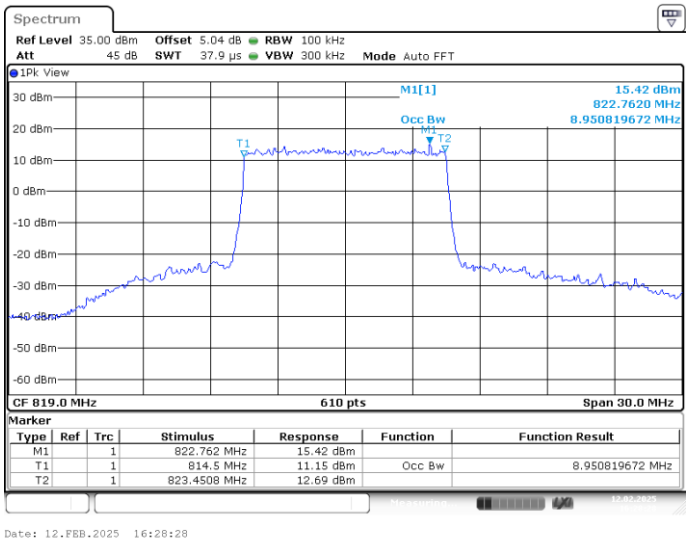
LTE band 26_Part90,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
819	9.000	8.951

LTE band 26 , 10MHz Bandwidth,MID,QPSK (99% BW)



LTE band 26 , 10MHz Bandwidth,MID,16QAM (99% BW)



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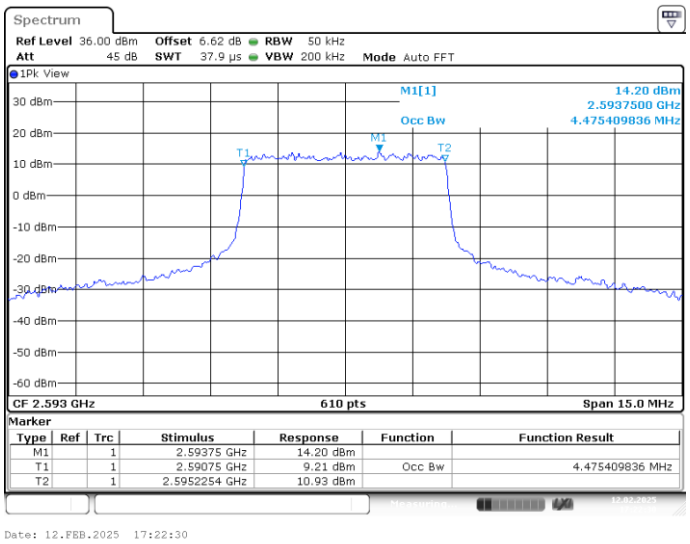
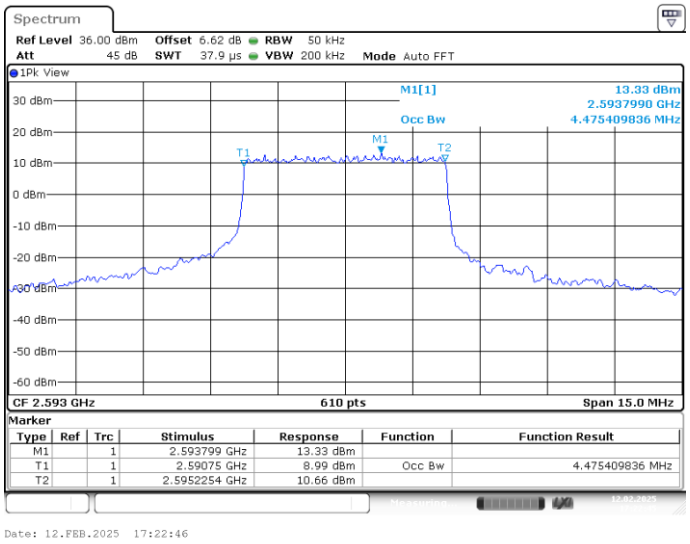
LTE band 41,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	4.475	4.475

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



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



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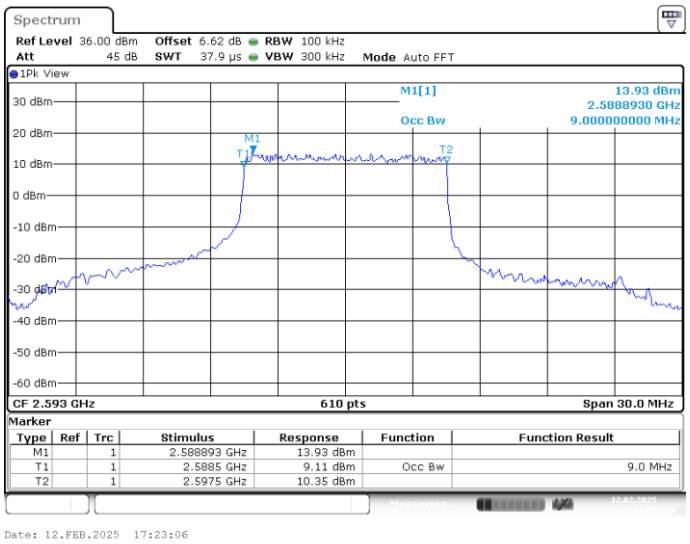
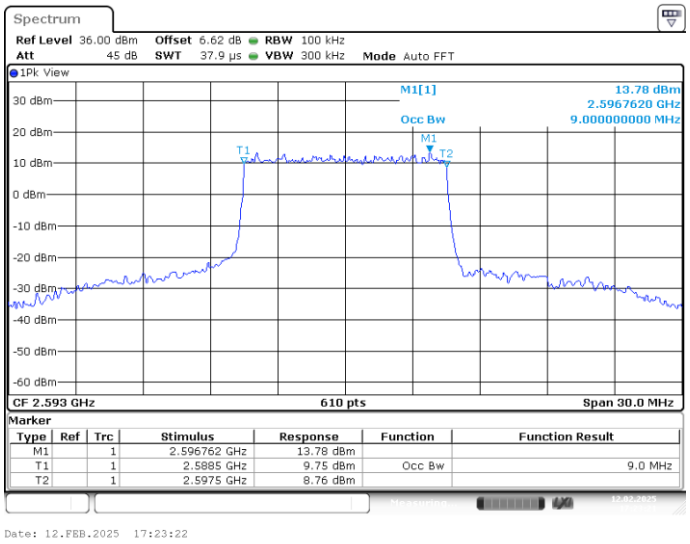
LTE band 41,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	9.000	9.000

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



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



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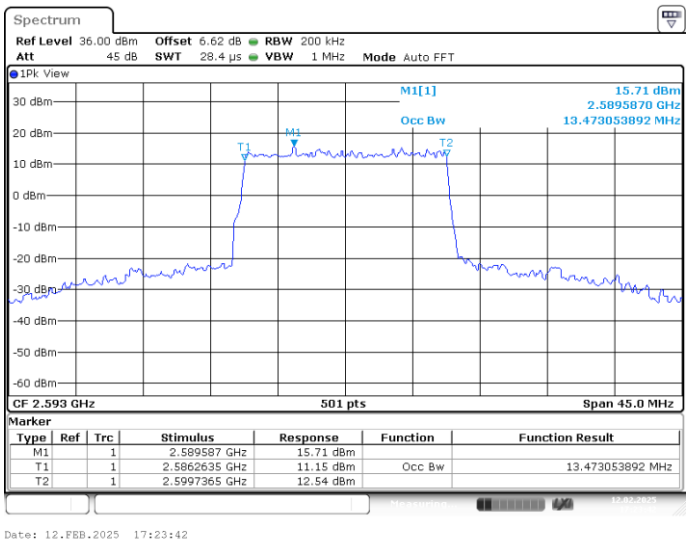
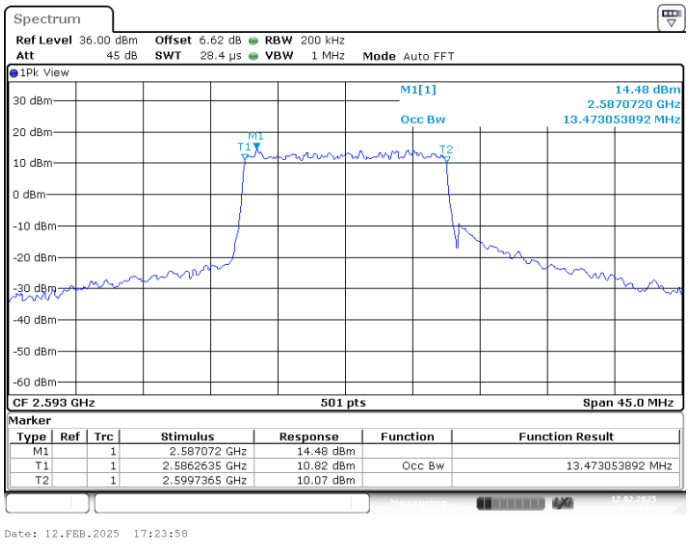
LTE band 41,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	13.473	13.473

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



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



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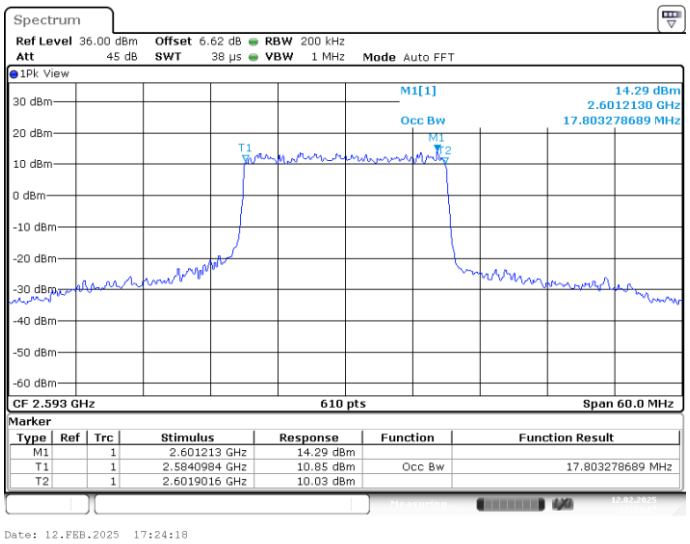
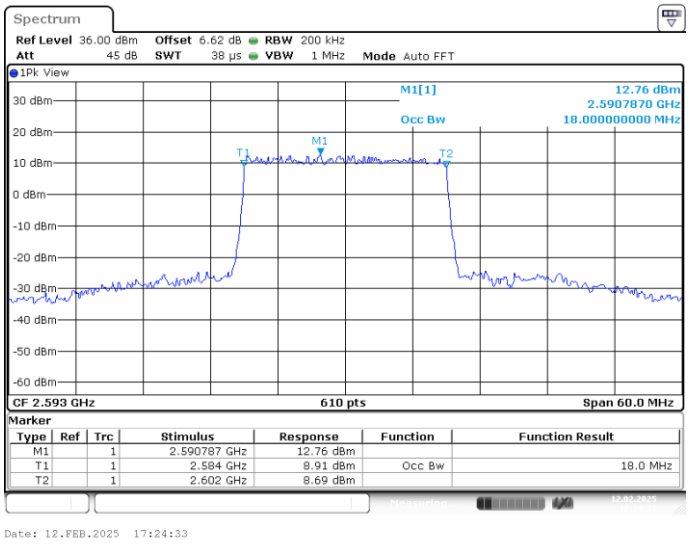
LTE band 41,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
2593	17.803	18.000

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



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



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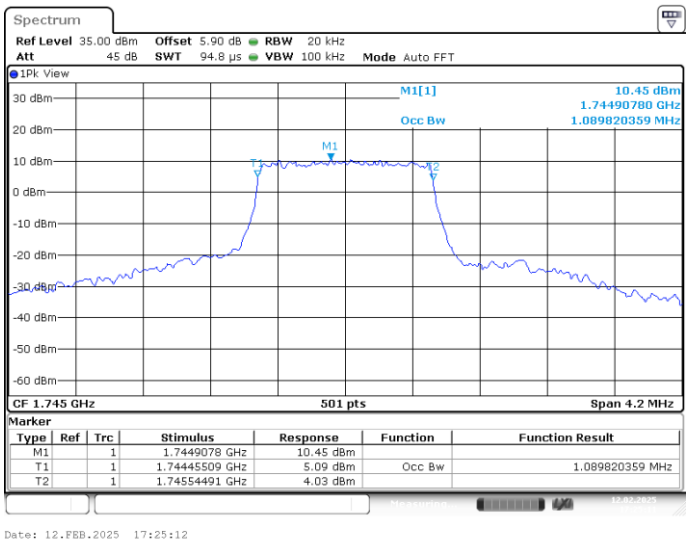
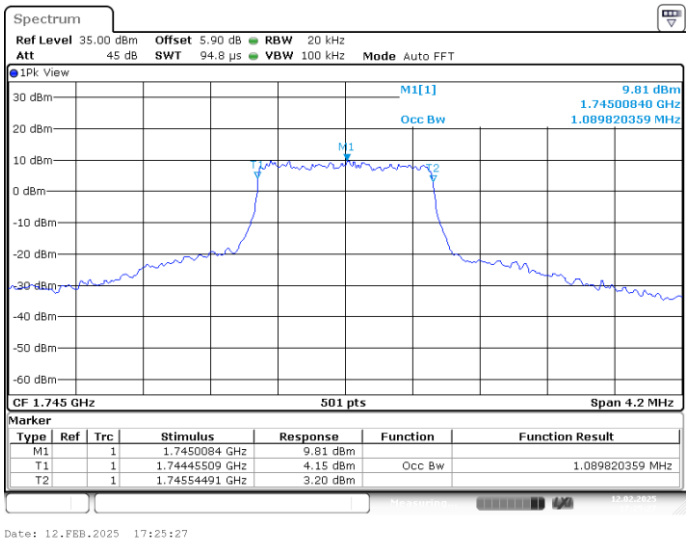
LTE band 66,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	1.090	1.090

LTE band 66 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



LTE band 66 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



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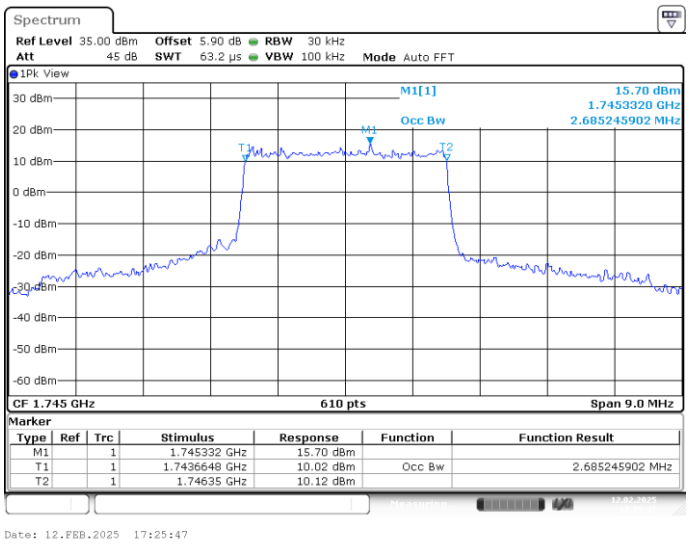
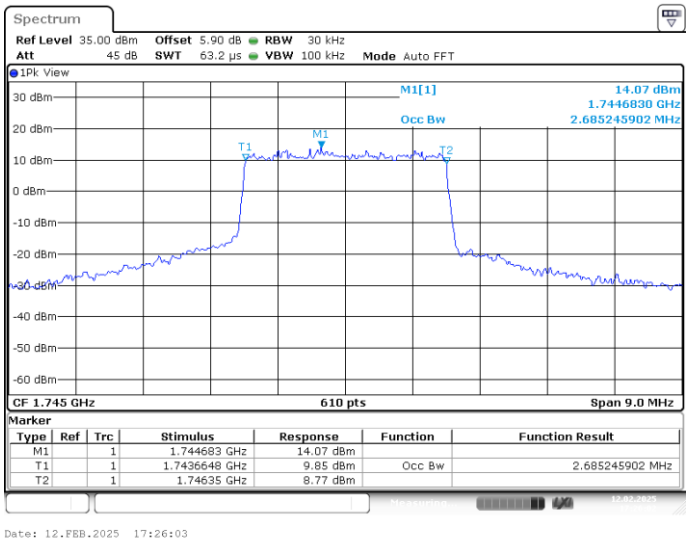
LTE band 66,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	2.685	2.685

LTE band 66 , 3MHz Bandwidth,MID,QPSK (99% BW)



LTE band 66 , 3MHz Bandwidth,MID,16QAM (99% BW)



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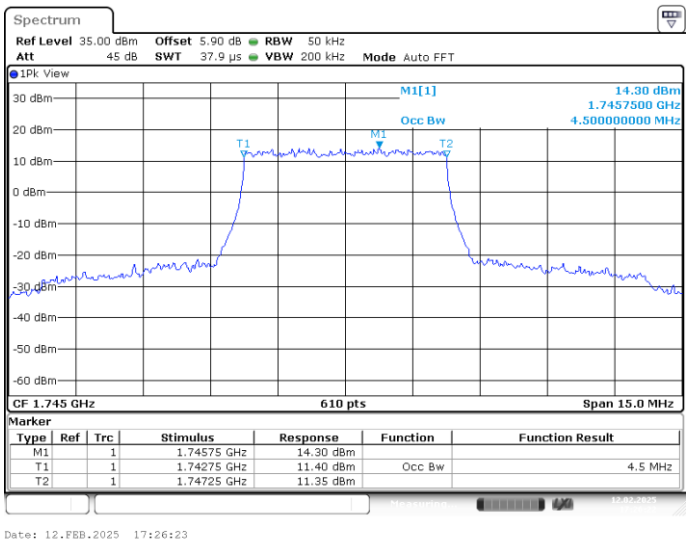
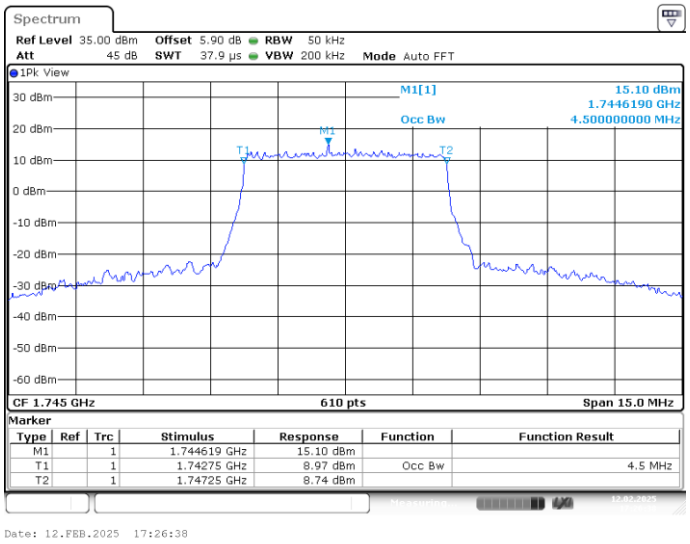
LTE band 66,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	4.500	4.500

LTE band 66 , 5MHz Bandwidth,MID,QPSK (99% BW)



LTE band 66 , 5MHz Bandwidth,MID,16QAM (99% BW)



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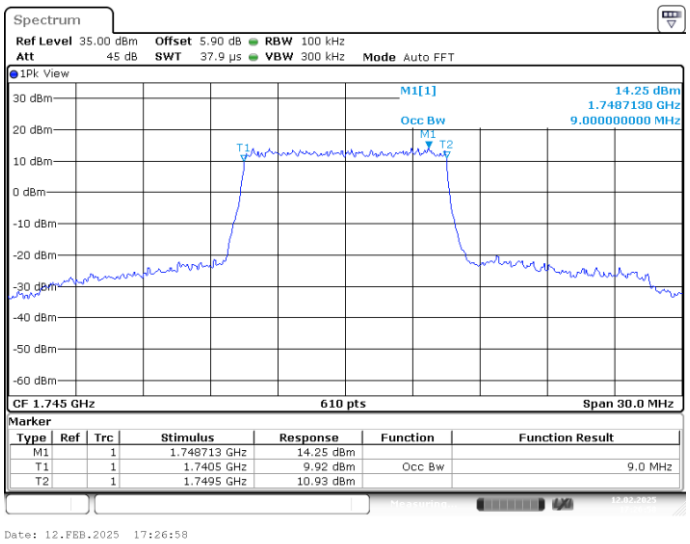
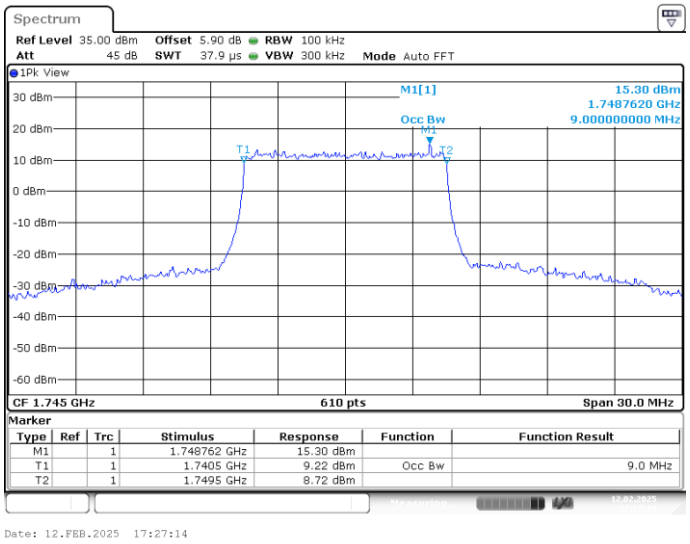
LTE band 66,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	9.000	9.000

LTE band 66 , 10MHz Bandwidth,MID,QPSK (99% BW)



LTE band 66 , 10MHz Bandwidth,MID,16QAM (99% BW)



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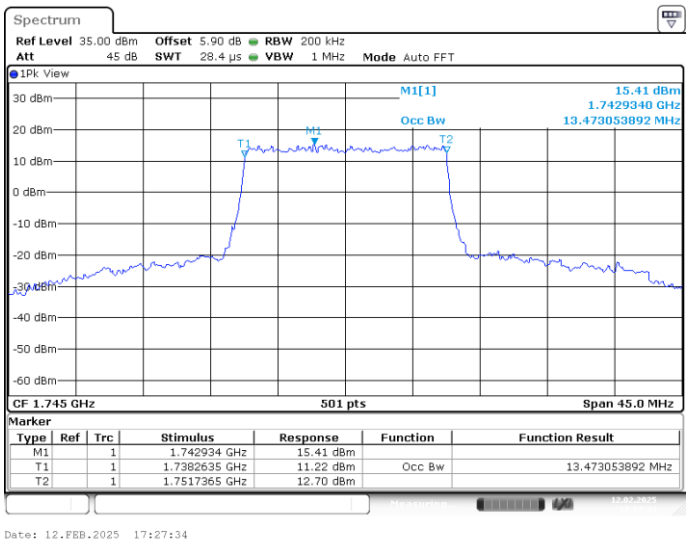
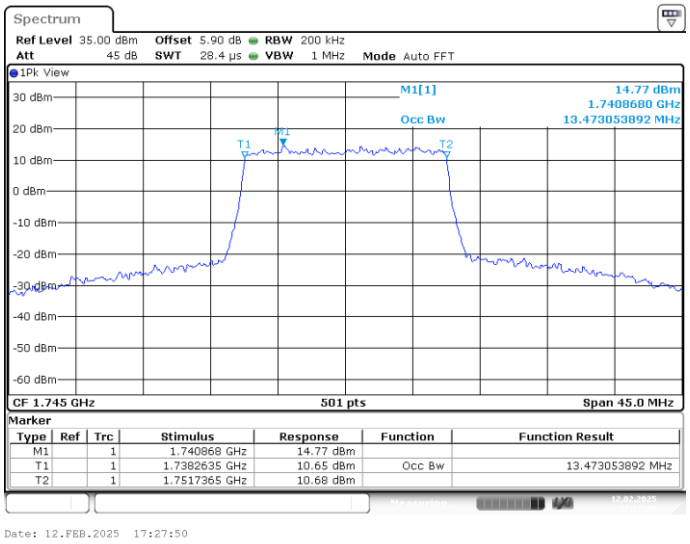
LTE band 66,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	13.473	13.473

LTE band 66 , 15MHz Bandwidth,MID,QPSK (99% BW)



LTE band 66 , 15MHz Bandwidth,MID,16QAM (99% BW)



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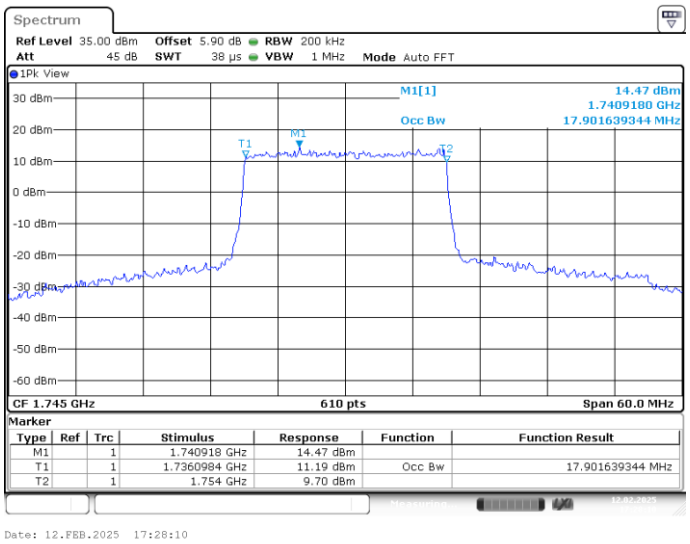
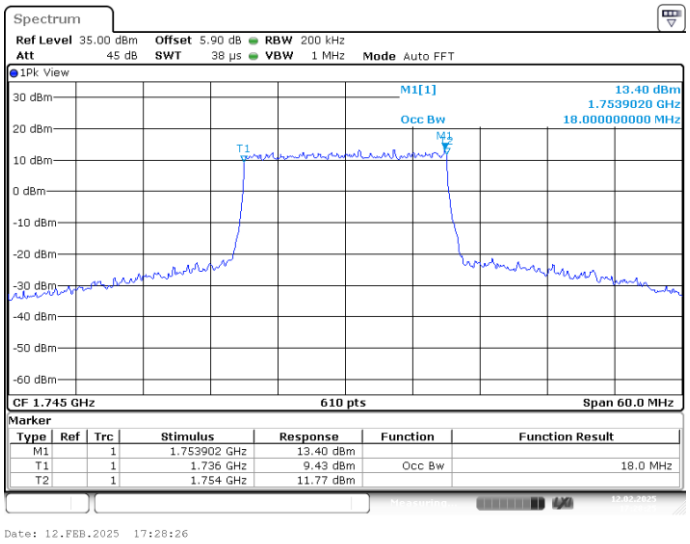
LTE band 66,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)	
	QPSK	16QAM
1745	17.902	18.000

LTE band 66 , 20MHz Bandwidth,MID,QPSK (99% BW)



LTE band 66 , 20MHz Bandwidth,MID,16QAM (99% BW)



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A.5 Emission Bandwidth

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

The measurement method is from ANSI C63.26:

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.

b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.

c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.

d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target "−X dB" requirement, i.e., if the requirement calls for measuring the −26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.

e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.

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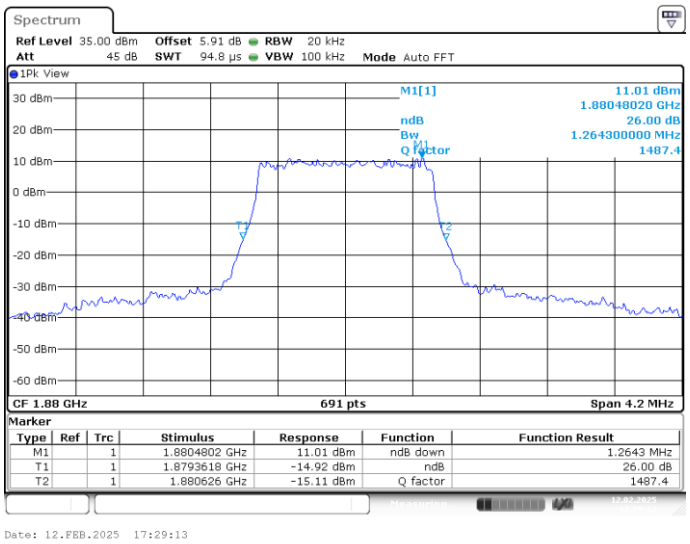
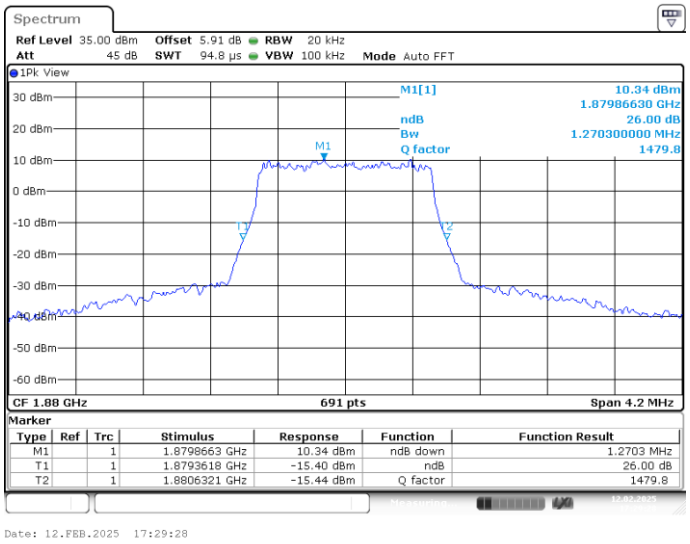
LTE band 2,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1880	1.264	1.270

LTE band 2 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 2 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)



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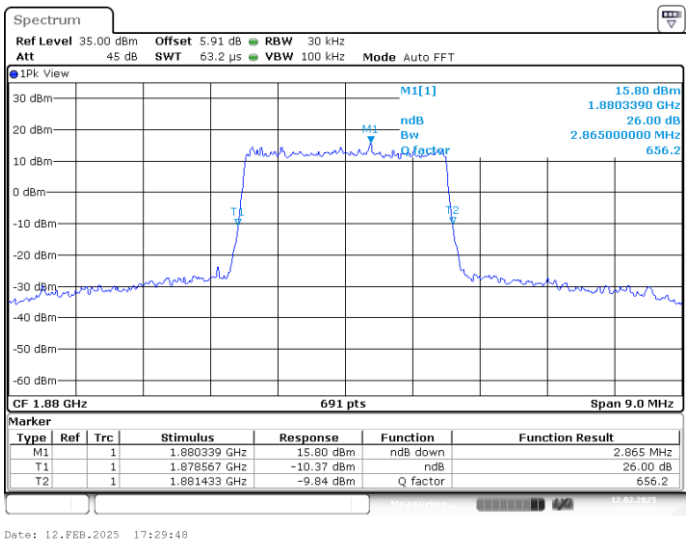
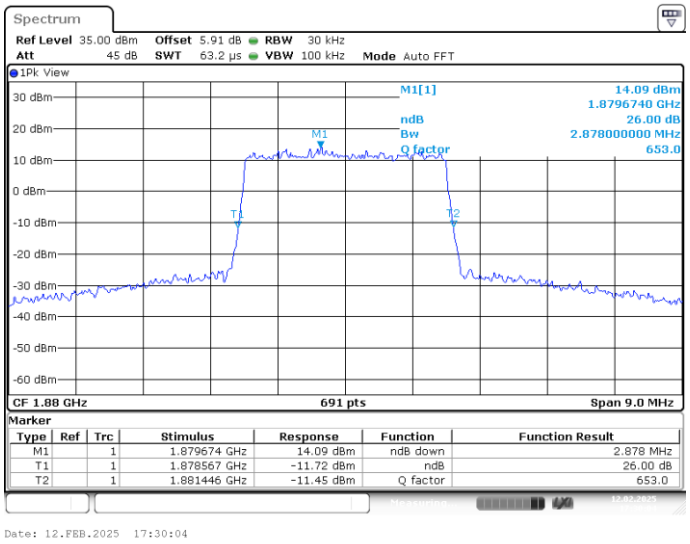
LTE band 2,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1880	2.865	2.878

LTE band 2 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 2 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)



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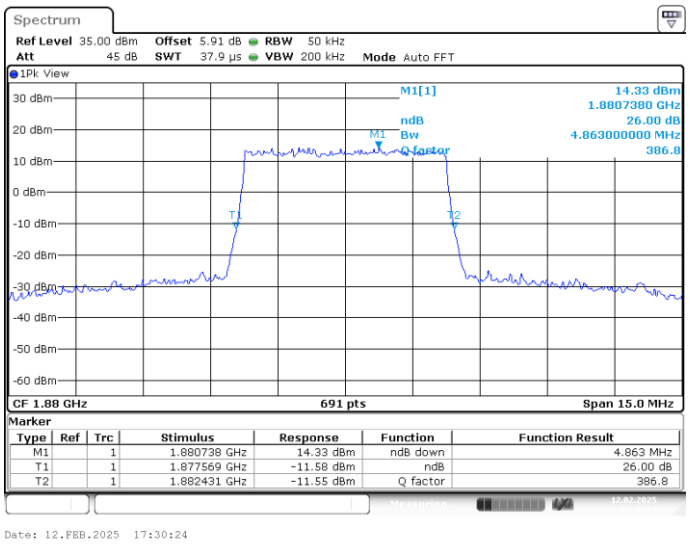
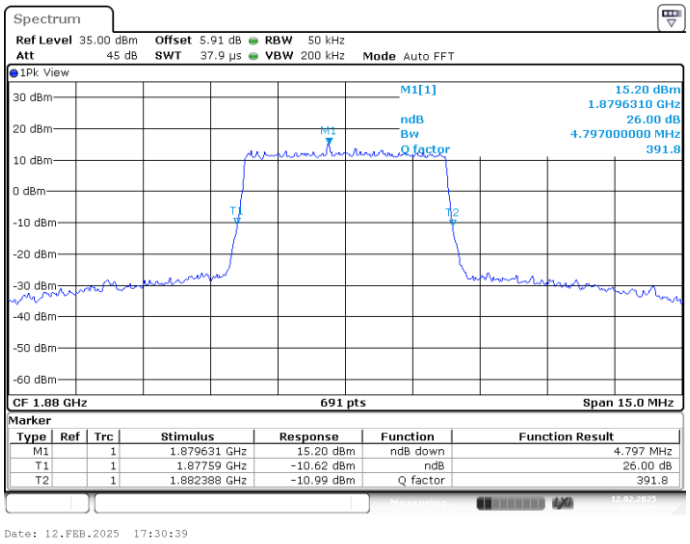
LTE band 2,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1880	4.863	4.797

LTE band 2 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 2 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)



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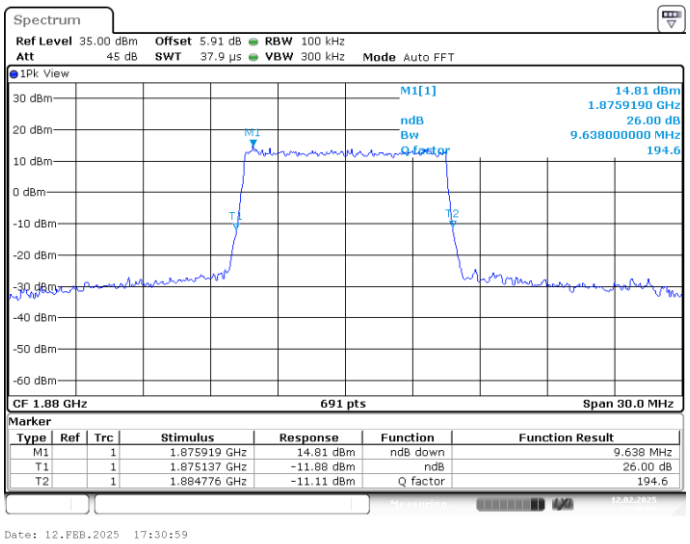
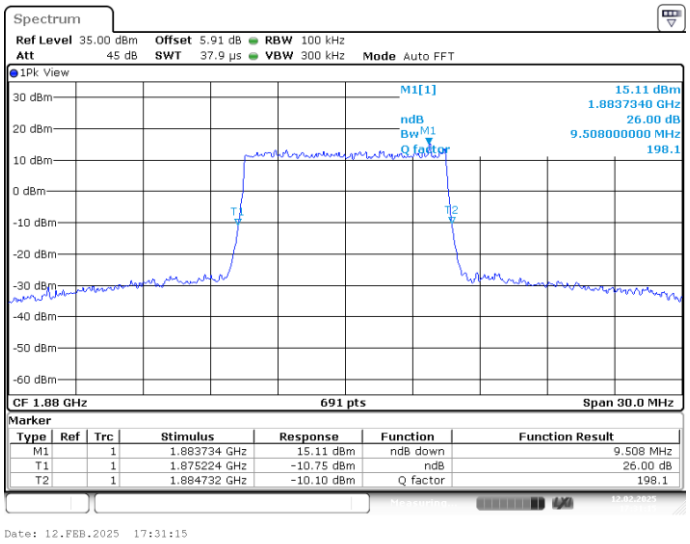
LTE band 2,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1880	9.638	9.508

LTE band 2 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 2 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)



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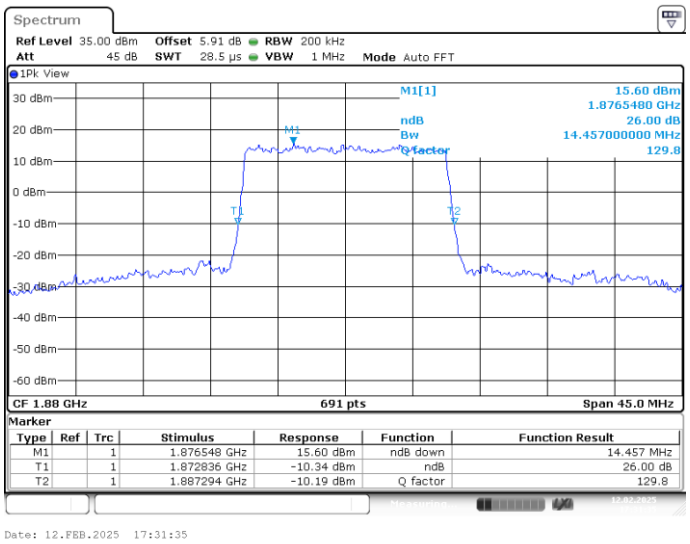
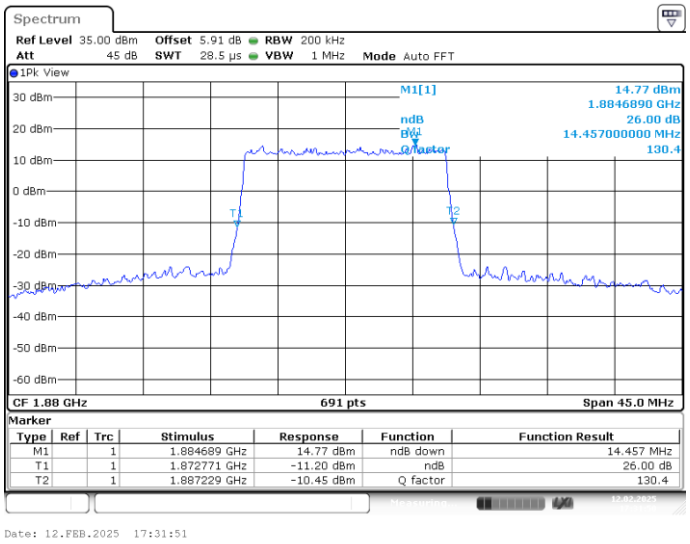
LTE band 2,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1880	14.457	14.457

LTE band 2 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 2 , 15MHz Bandwidth,MID,16QAM (-26dBc BW)



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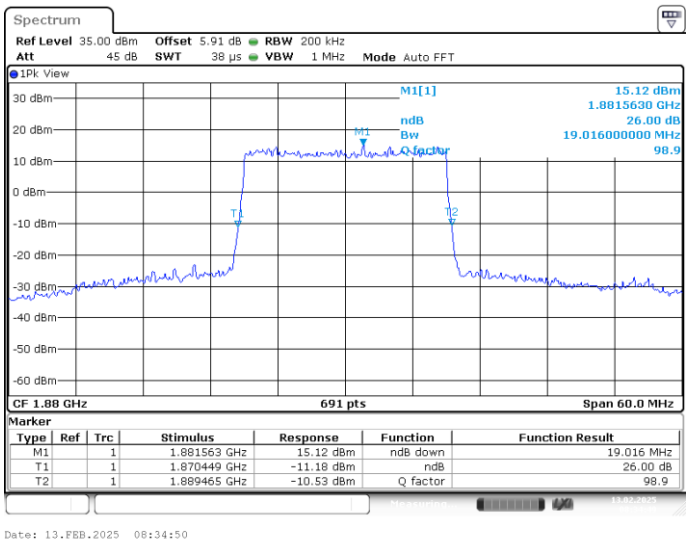
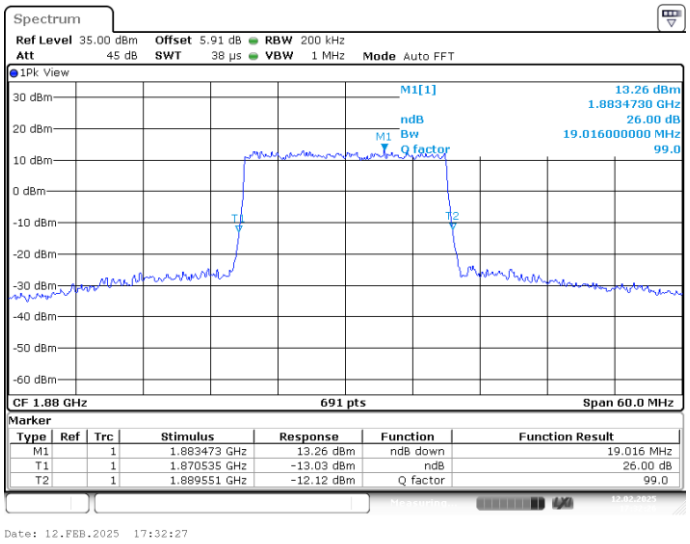
LTE band 2,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
1880	19.016	19.016

LTE band 2 , 20MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 2 , 20MHz Bandwidth,MID,16QAM (-26dBc BW)



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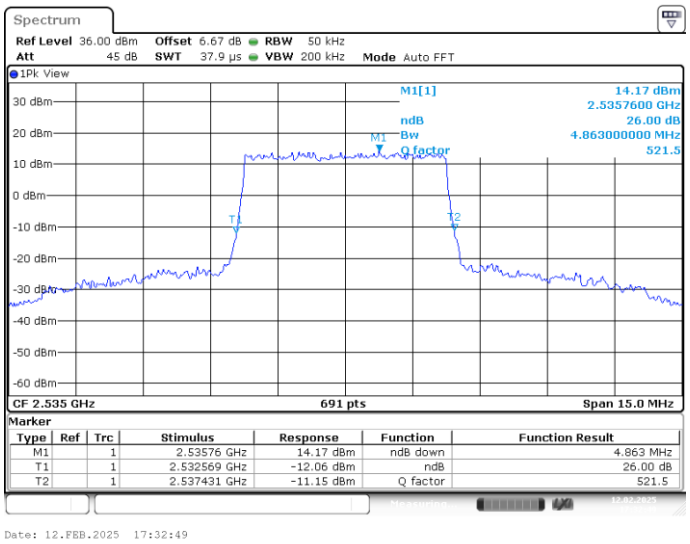
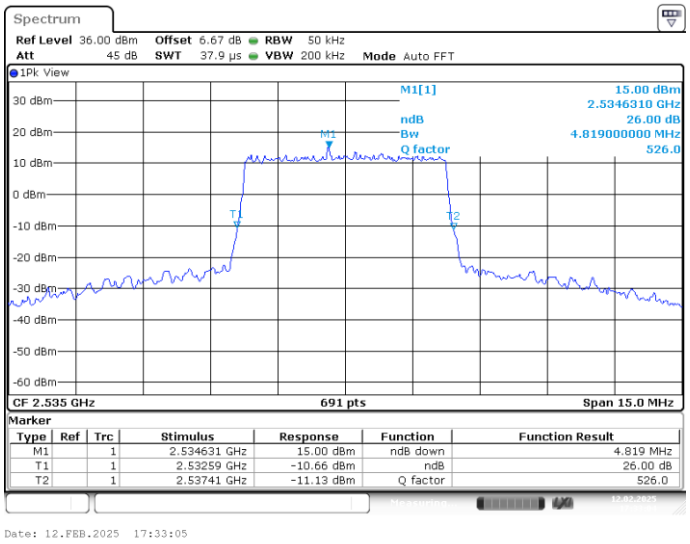
LTE band 7,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2535	4.863	4.819

LTE band 7 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 7 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)



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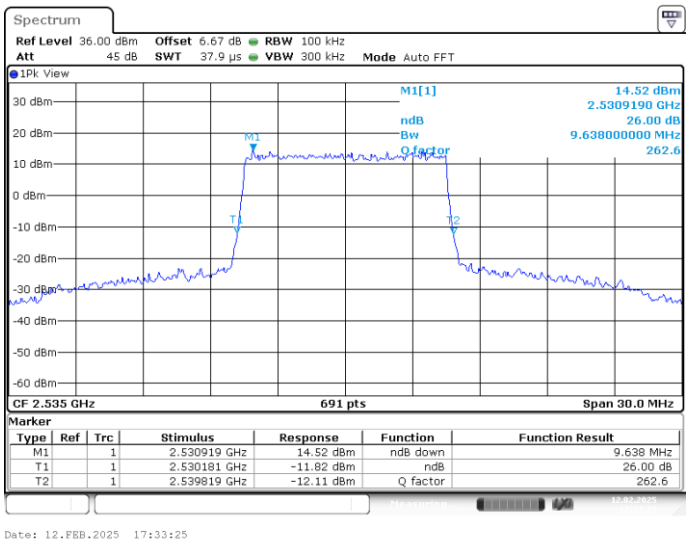
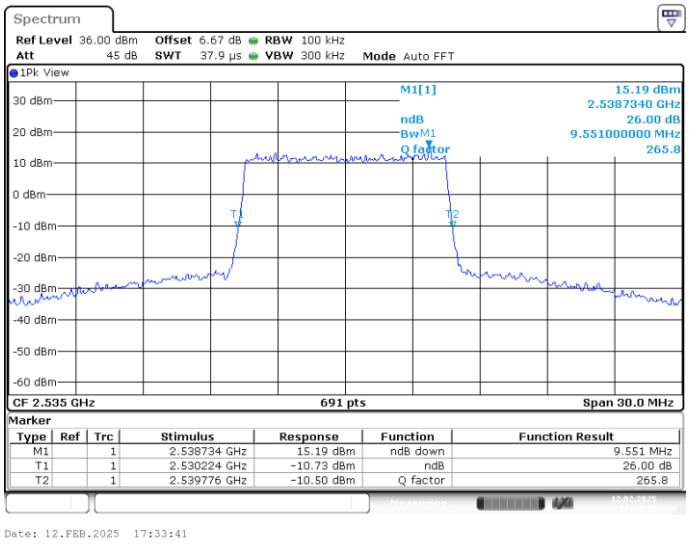
LTE band 7,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2535	9.638	9.551

LTE band 7 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 7 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)



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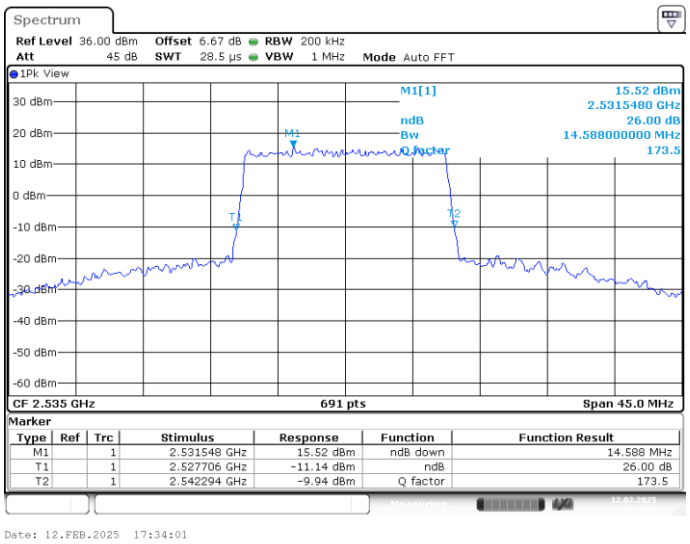
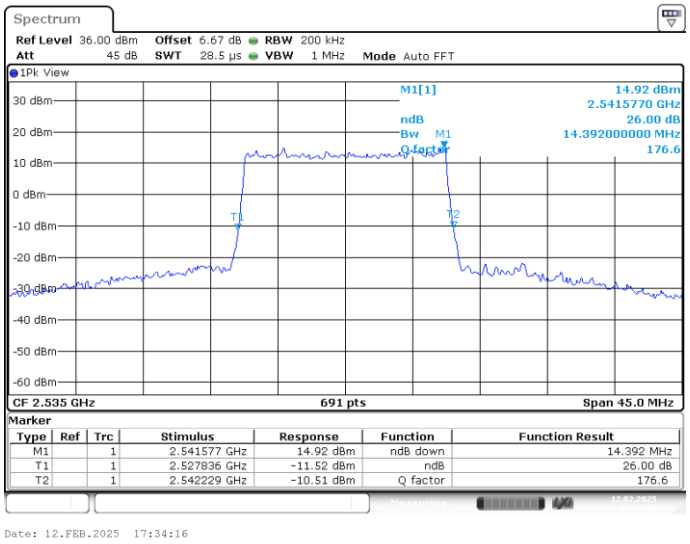
LTE band 7,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2535	14.588	14.392

LTE band 7 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 7 , 15MHz Bandwidth,MID,16QAM (-26dBc BW)



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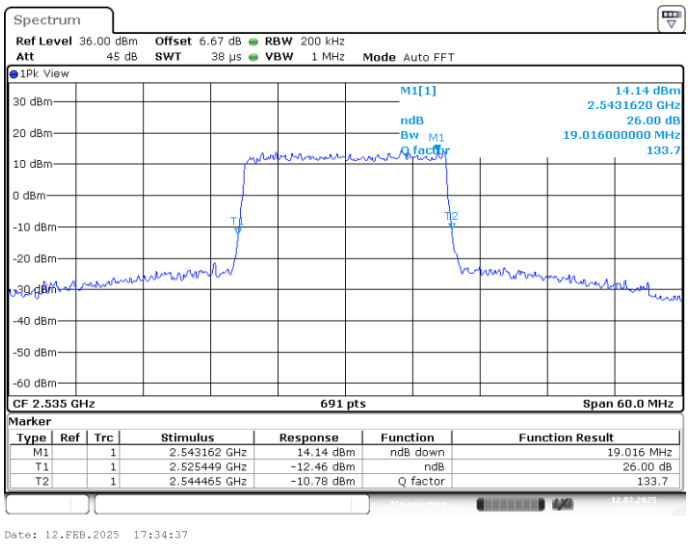
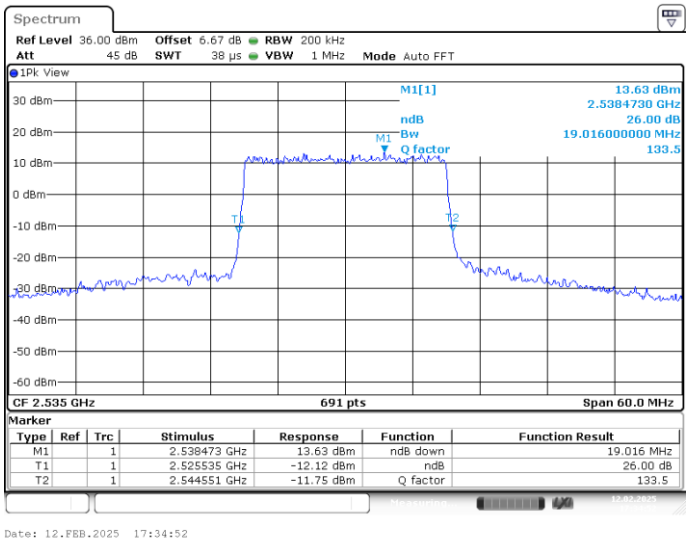
LTE band 7,20MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
2535	19.016	19.016

LTE band 7 , 20MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 7 , 20MHz Bandwidth,MID,16QAM (-26dBc BW)



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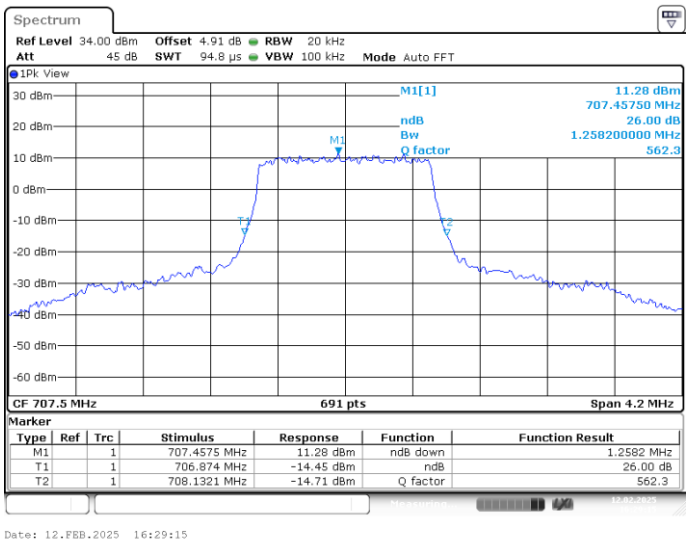
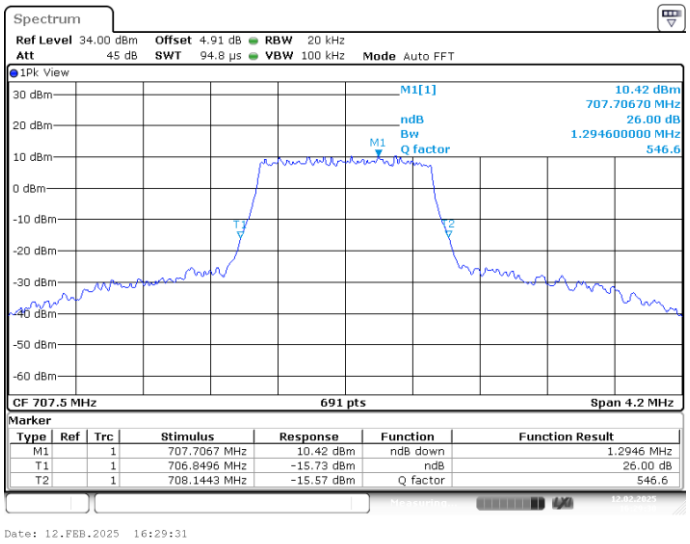
LTE band 12,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
707.5	1.258	1.295

LTE band 12 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 12 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)



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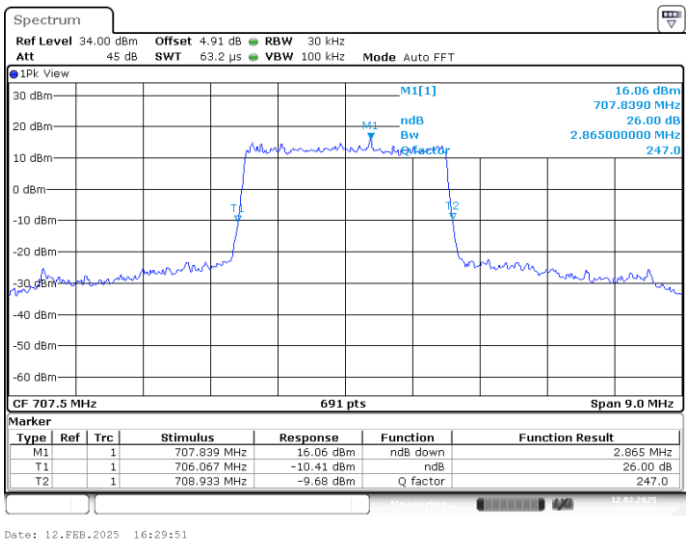
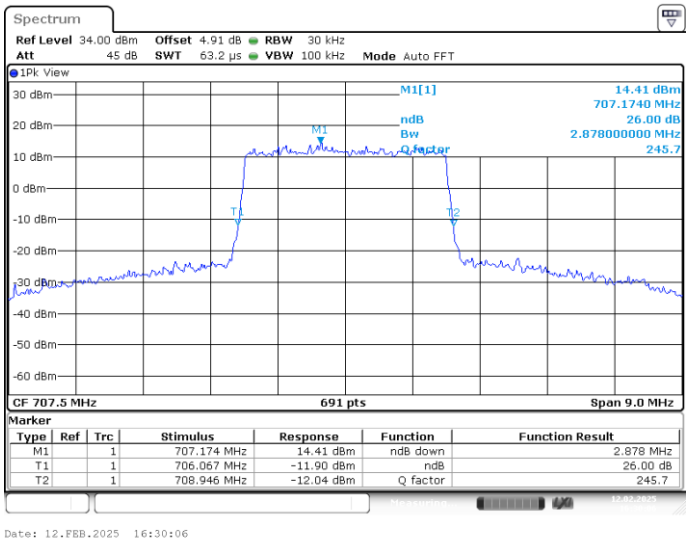
LTE band 12,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
707.5	2.865	2.878

LTE band 12 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 12 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)



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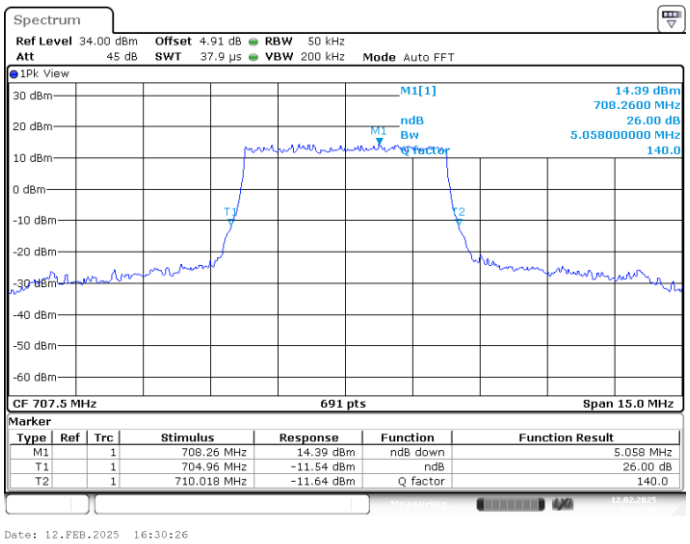
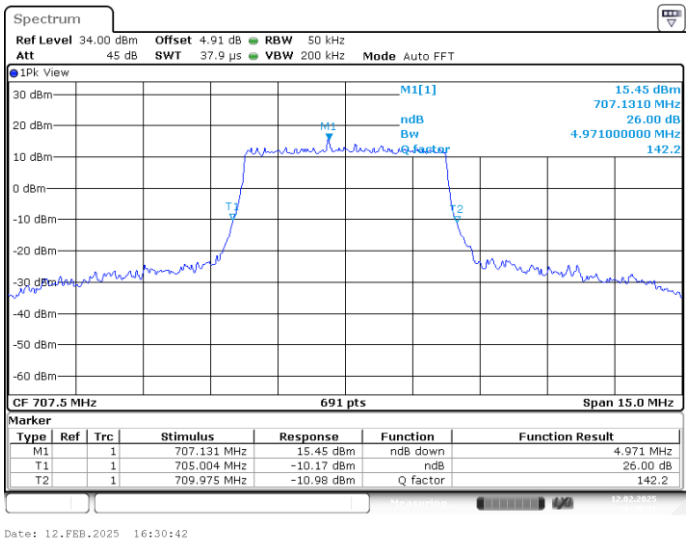
LTE band 12,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
707.5	5.058	4.971

LTE band 12 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 12 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)



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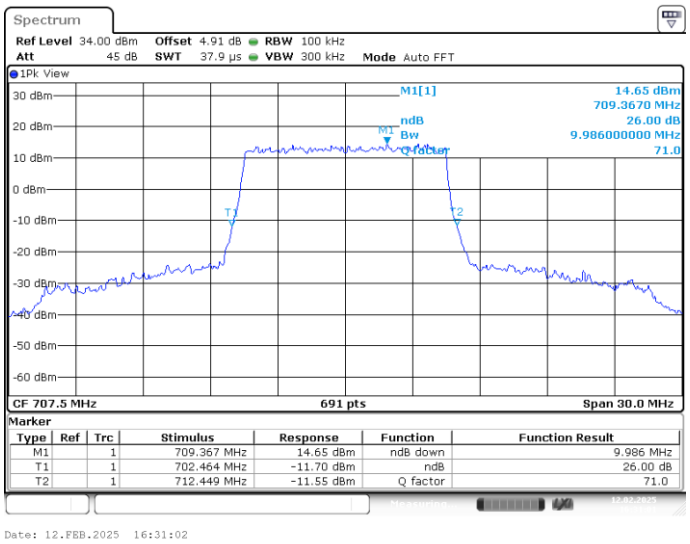
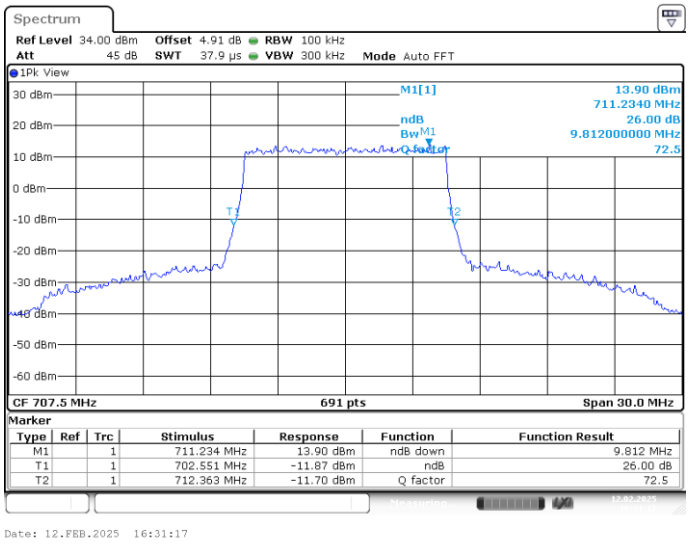
LTE band 12,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
707.5	9.986	9.812

LTE band 12 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 12 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)



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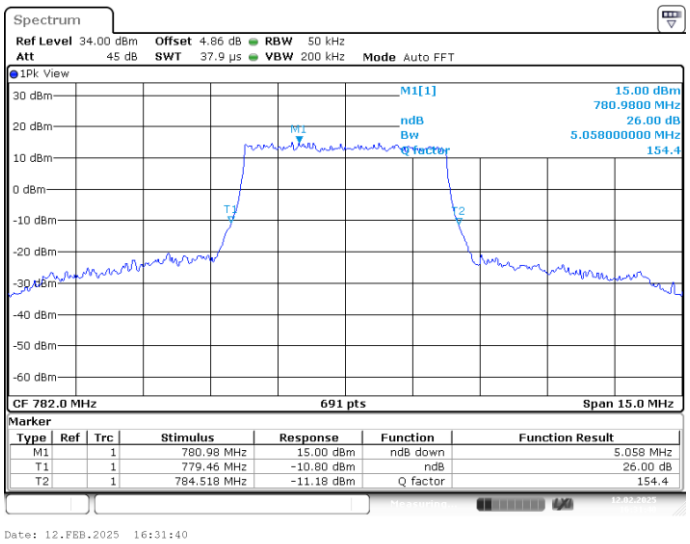
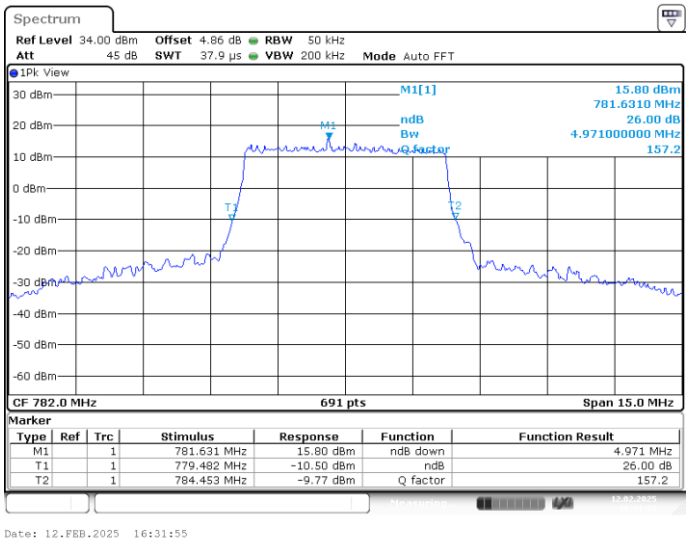
LTE band 13,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
782	5.058	4.971

LTE band 13 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 13 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)



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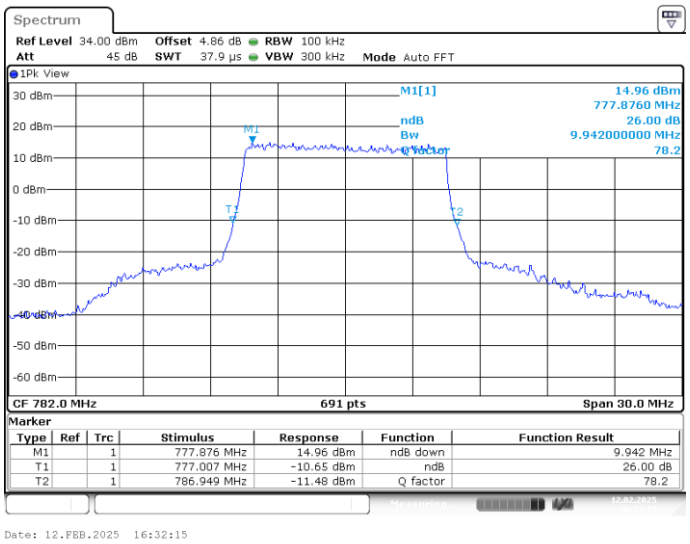
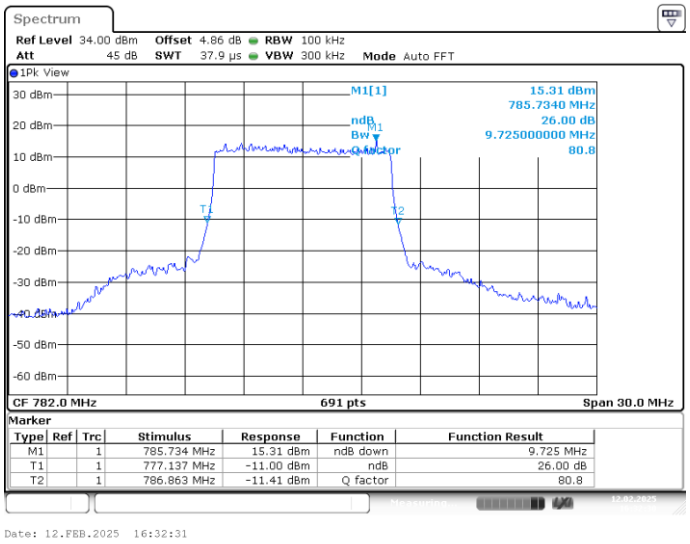
LTE band 13,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
782	9.942	9.725

LTE band 13 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 13 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)



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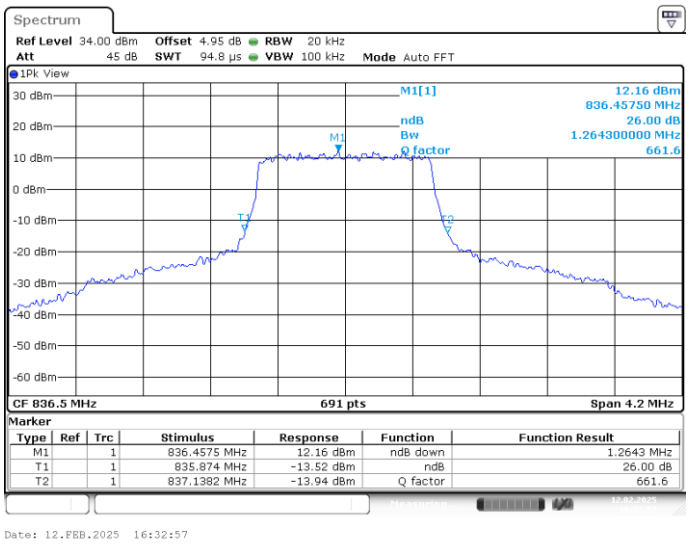
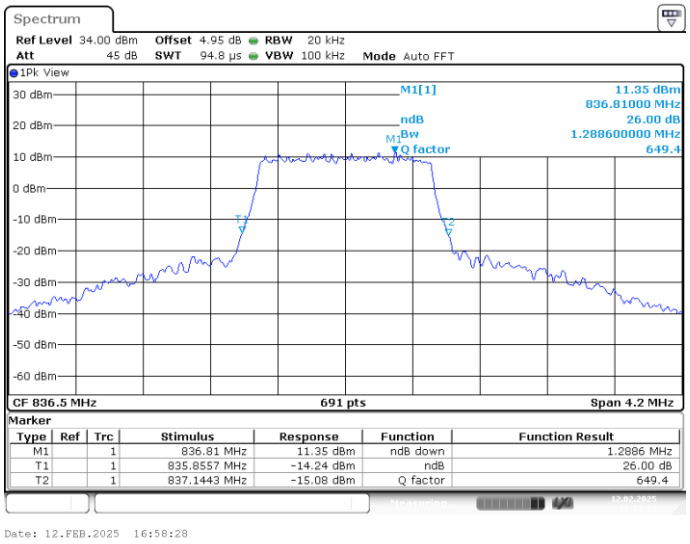
LTE band 26_Part22,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
836.5	1.264	1.289

LTE band 26 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 26 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)



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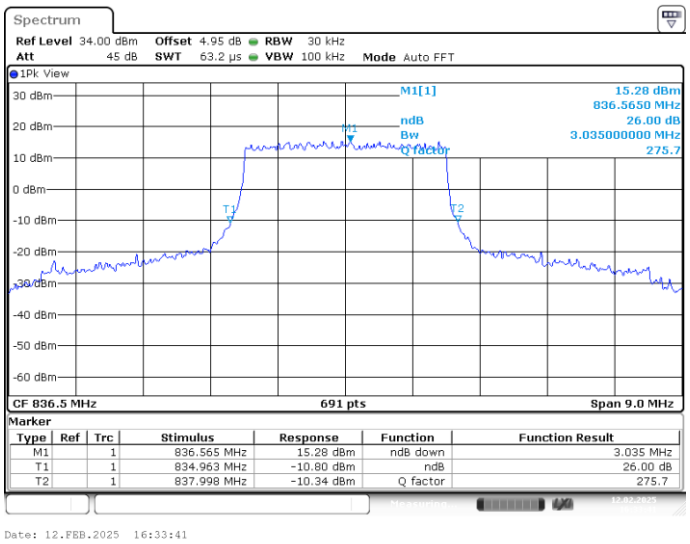
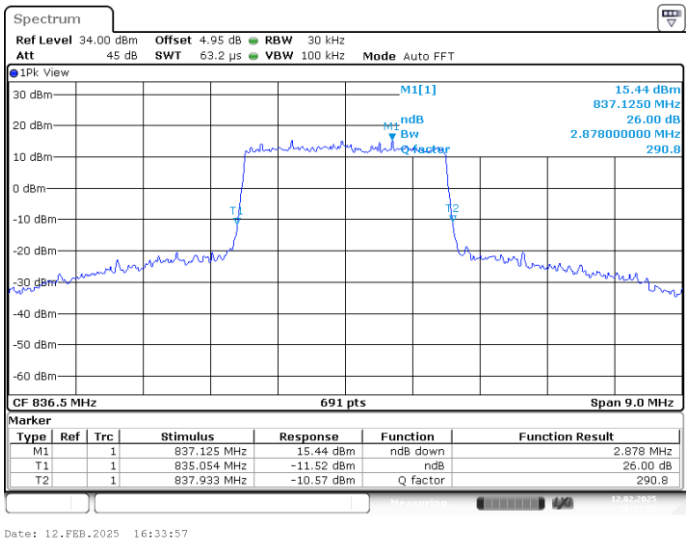
LTE band 26_Part22,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
836.5	3.035	2.878

LTE band 26 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 26 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)



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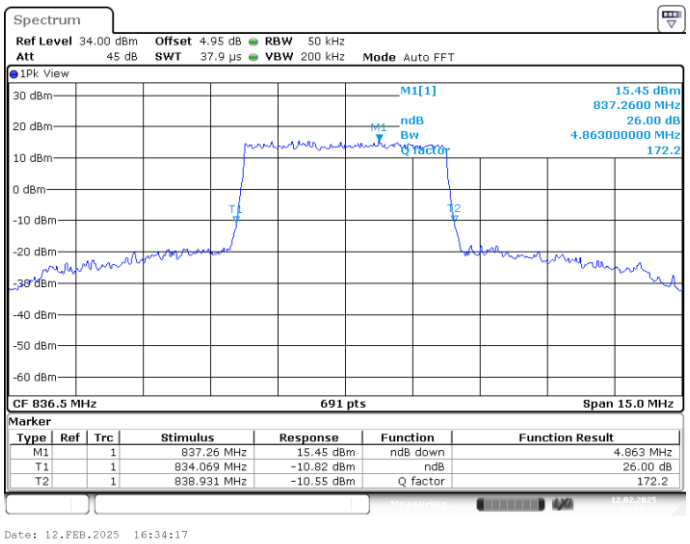
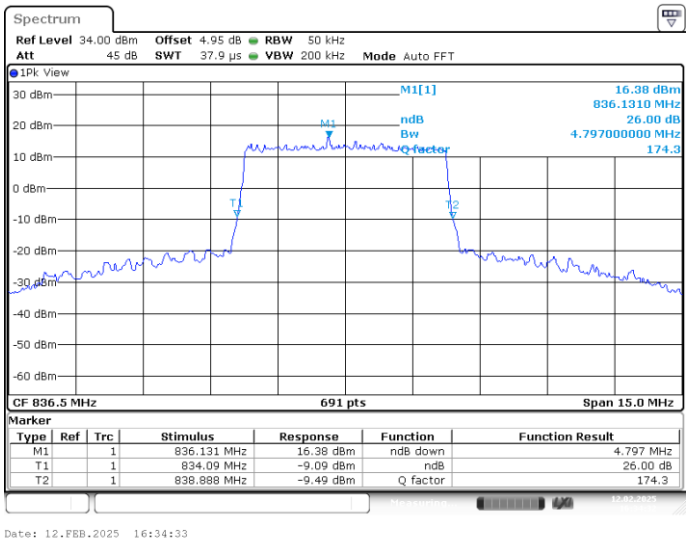
LTE band 26_Part22,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
836.5	4.863	4.797

LTE band 26 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 26 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)



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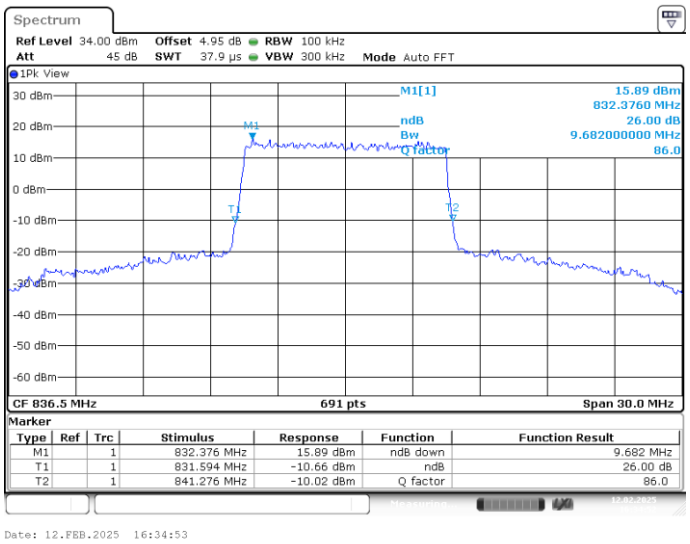
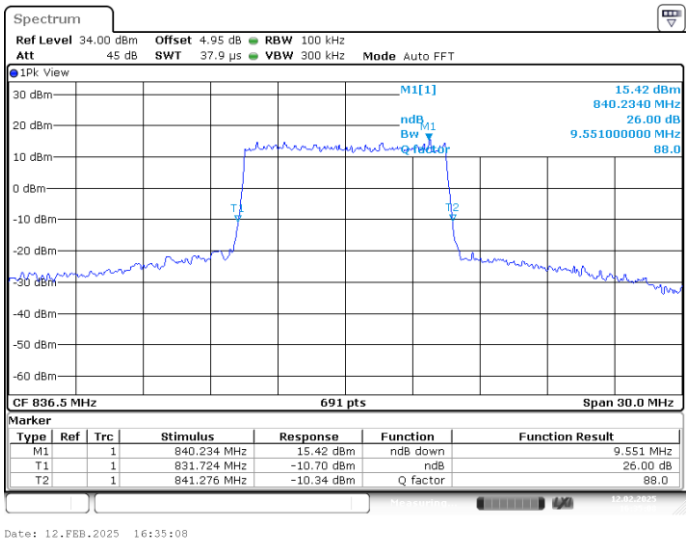
LTE band 26_Part22,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
836.5	9.682	9.551

LTE band 26 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 26 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)



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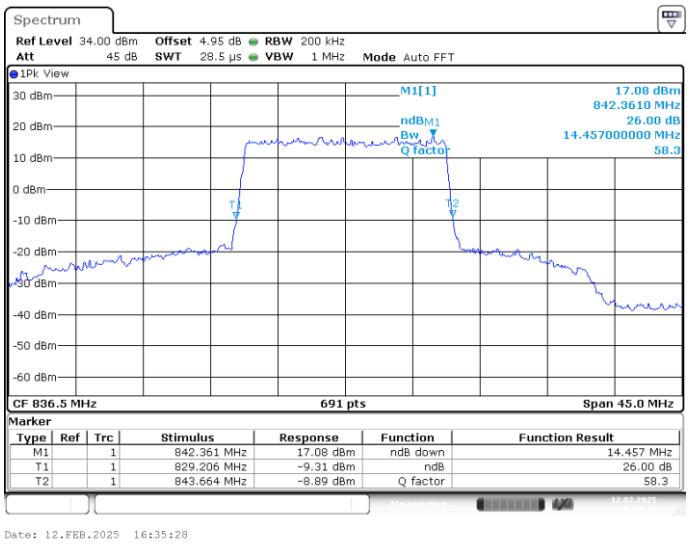
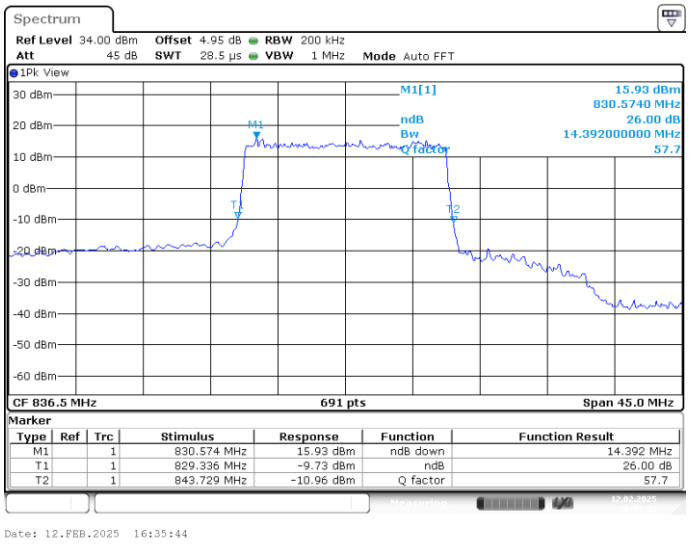
LTE band 26_Part22,15MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
836.5	14.457	14.392

LTE band 26 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 26 , 15MHz Bandwidth,MID,16QAM (-26dBc BW)



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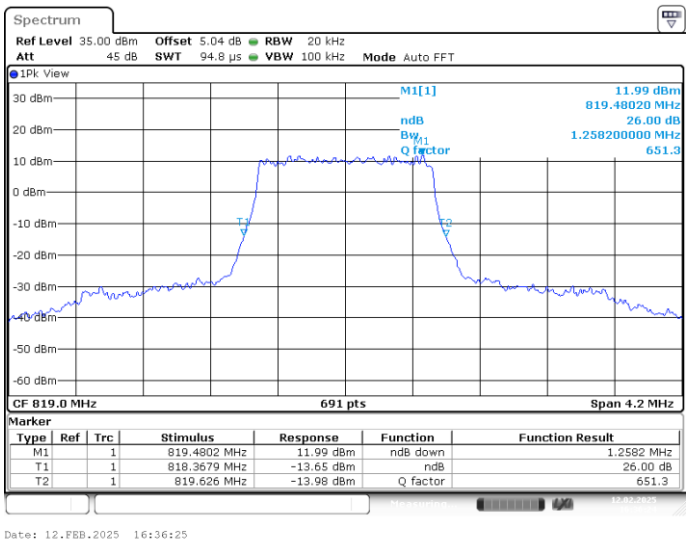
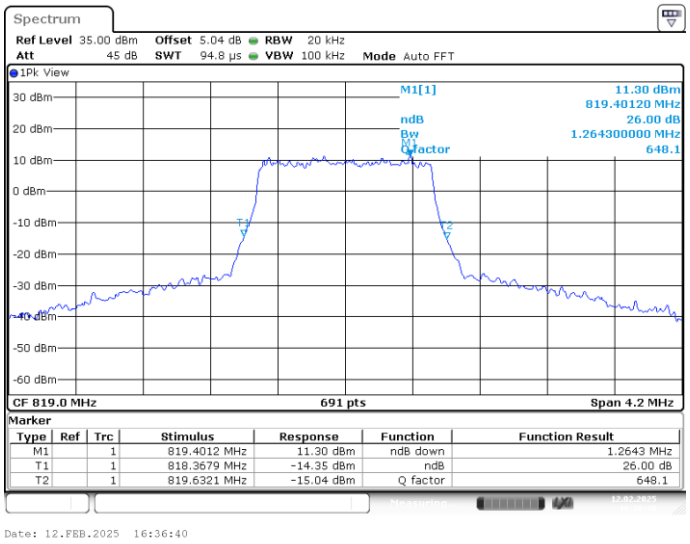
LTE band 26_Part90,1.4MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
819	1.258	1.264

LTE band 26 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 26 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)



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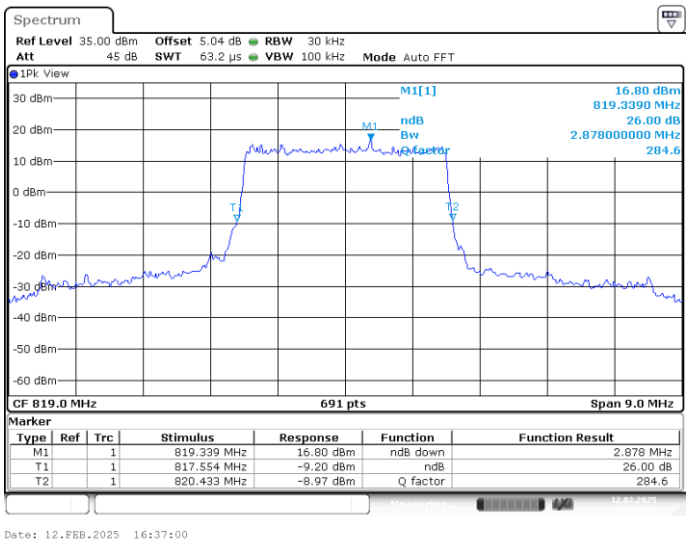
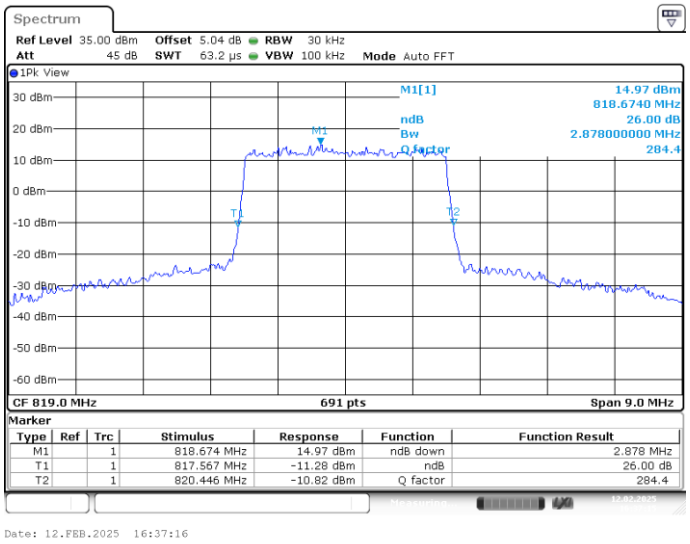
LTE band 26_Part90,3MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
819	2.878	2.878

LTE band 26 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 26 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)



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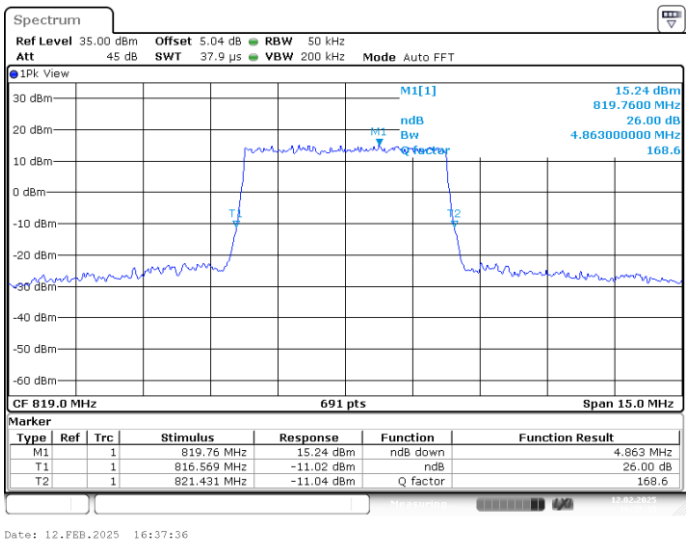
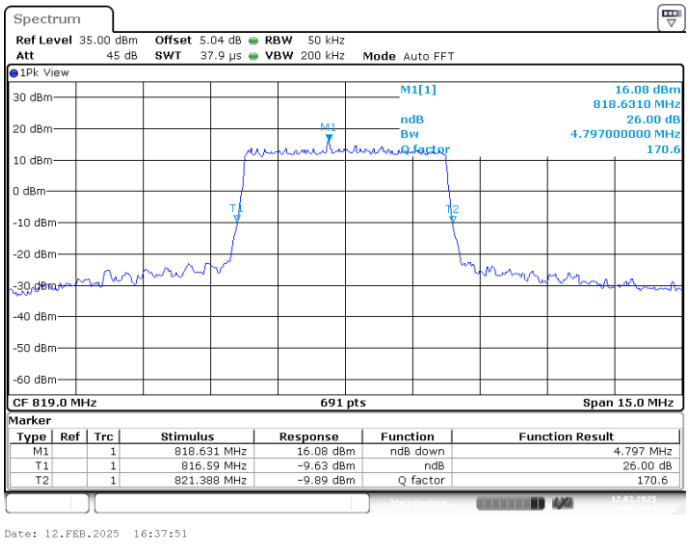
LTE band 26_Part90,5MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
819	4.863	4.797

LTE band 26 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 26 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)



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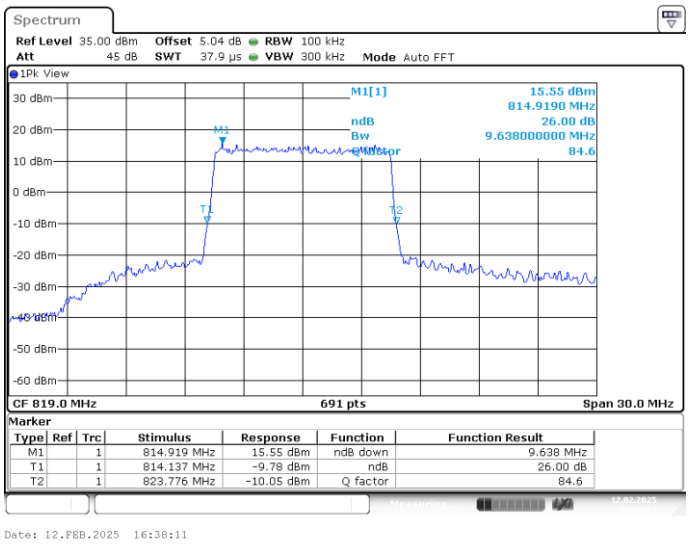
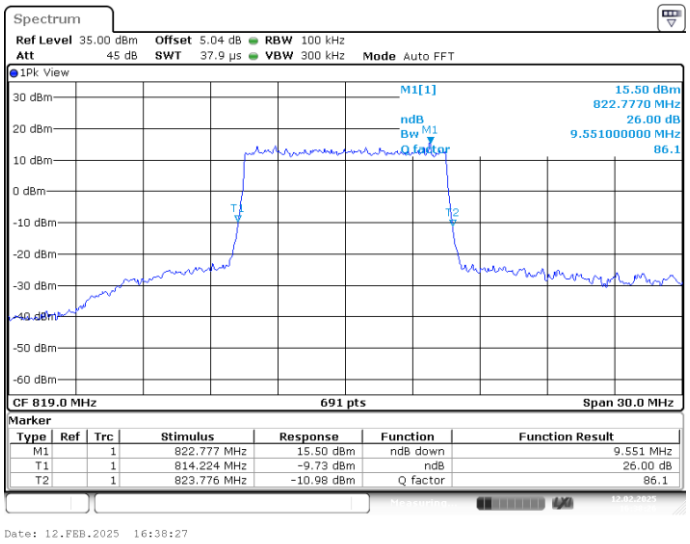
LTE band 26_Part90,10MHz(-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(MHz)	
	QPSK	16QAM
819	9.638	9.551

LTE band 26 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE band 26 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)



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