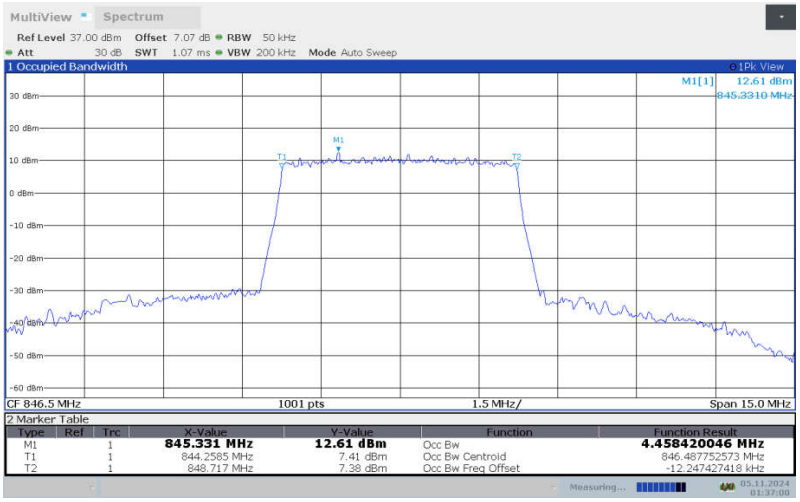

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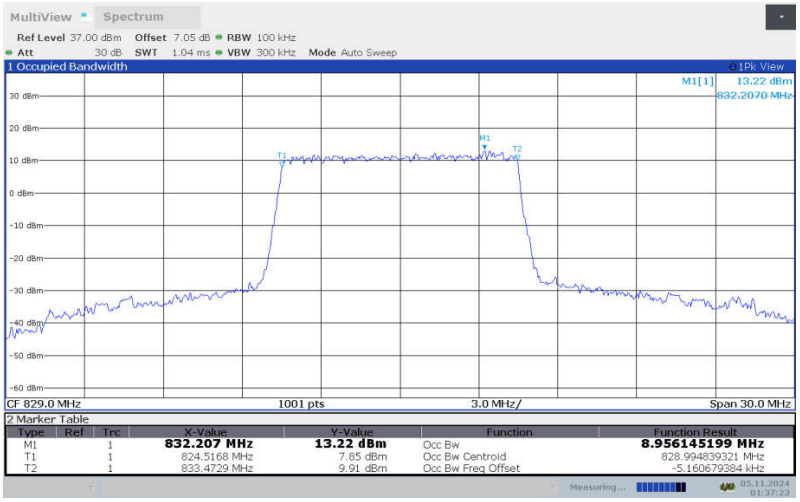
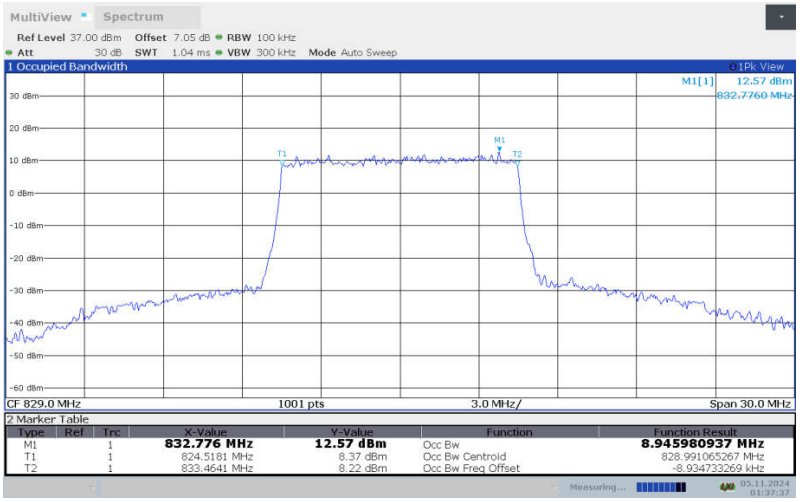
LTE band 5,10MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
829	8.956	8.946	8.946
836.5	8.919	8.934	8.915
844	8.939	8.932	8.934

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



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



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

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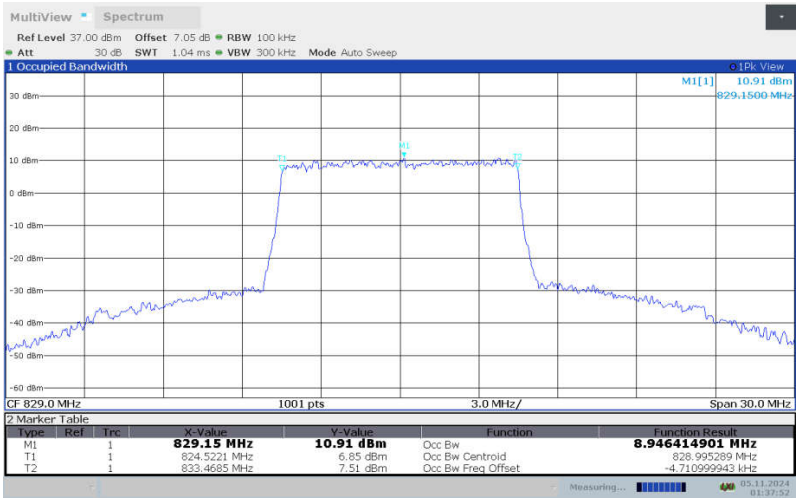
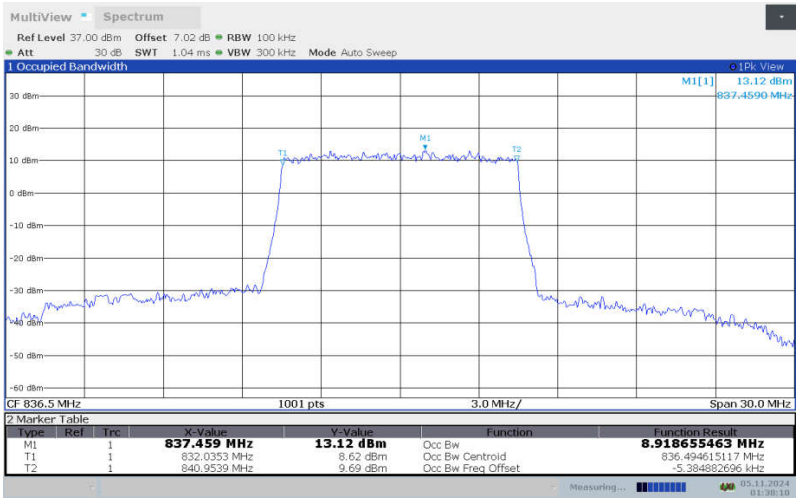


LTE band 5 , 10MHz Bandwidth, MID, QPSK (99% BW)



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

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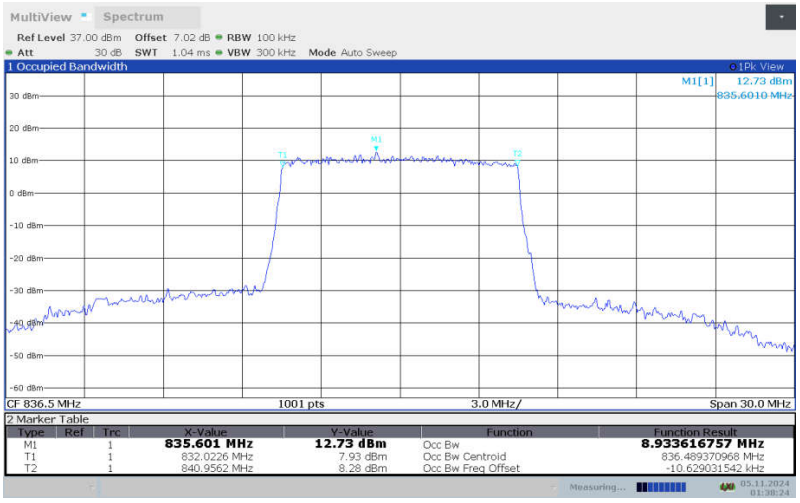
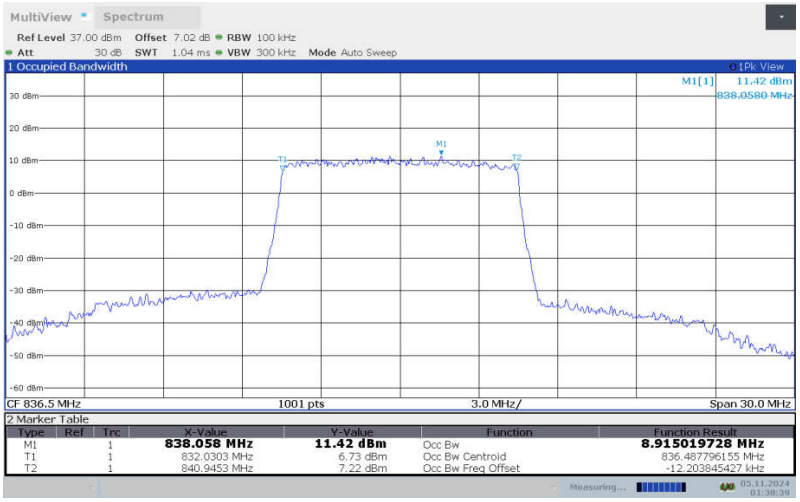


LTE band 5 , 10MHz Bandwidth, MID, 64QAM (99% BW)



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

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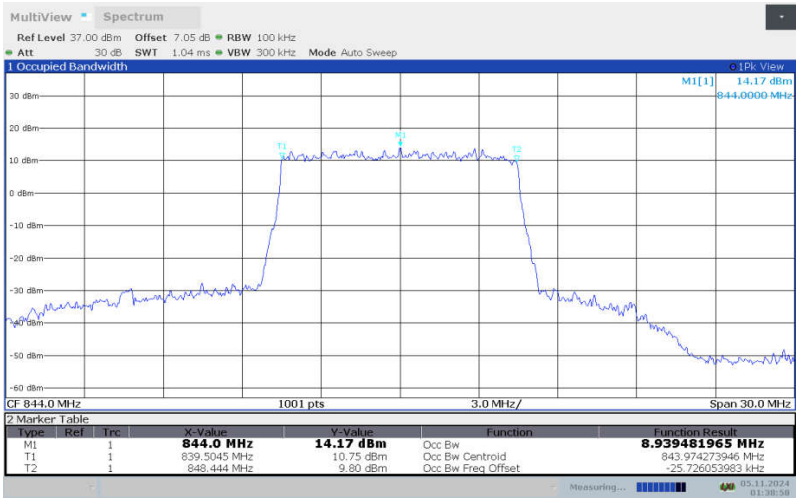
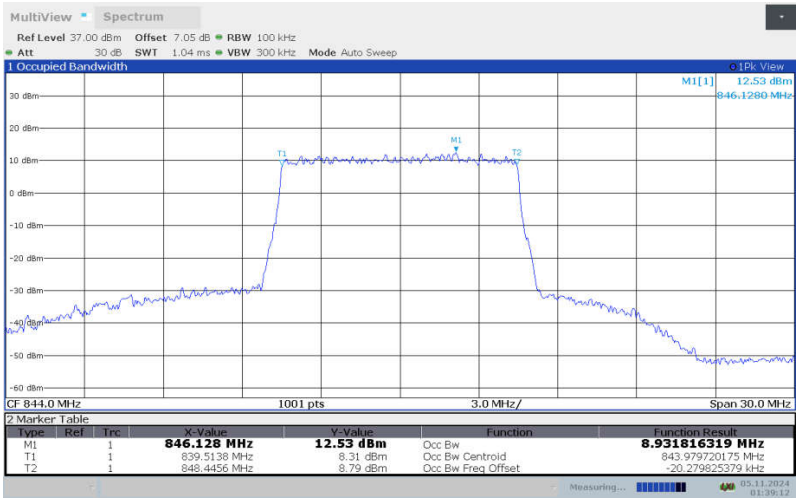


LTE band 5 , 10MHz Bandwidth, HIGH, 16QAM (99% BW)



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

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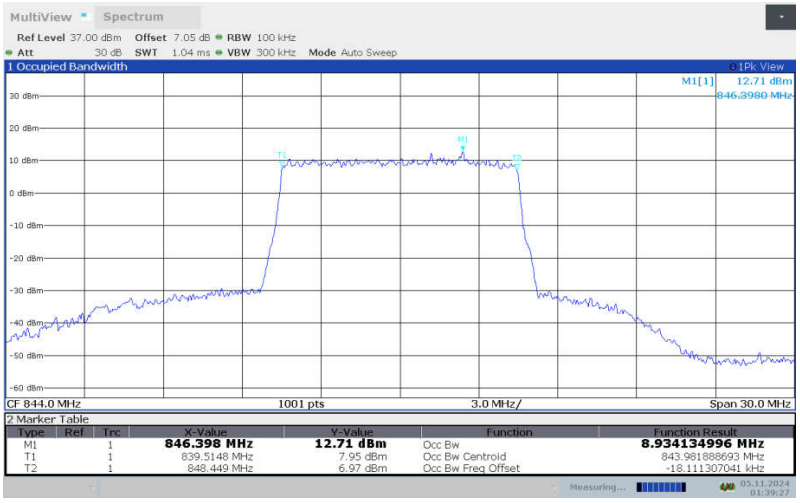

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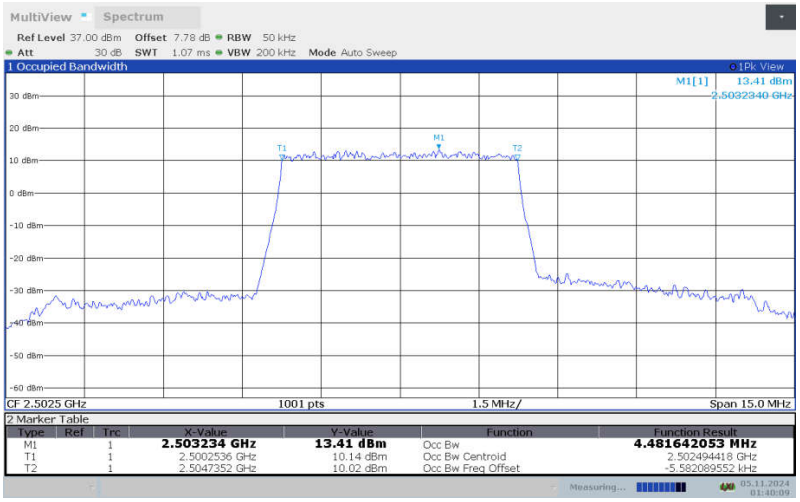
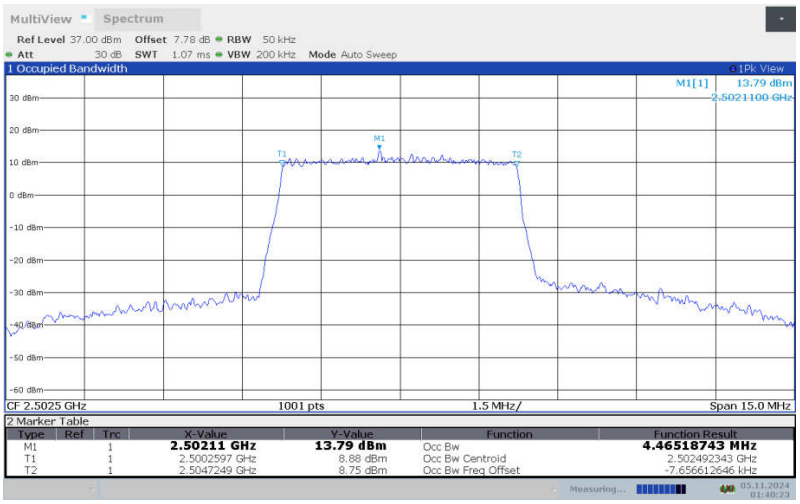
LTE band 7,5MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
2502.5	4.482	4.465	4.465
2535	4.480	4.479	4.471
2567.5	4.463	4.470	4.462

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



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



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

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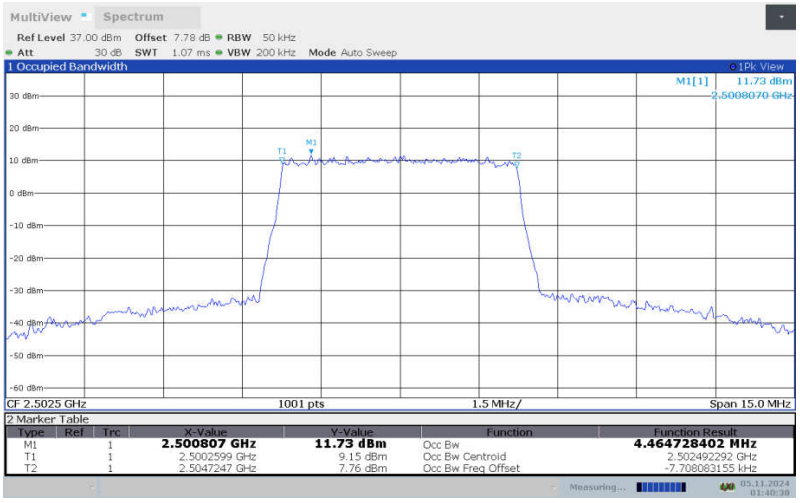
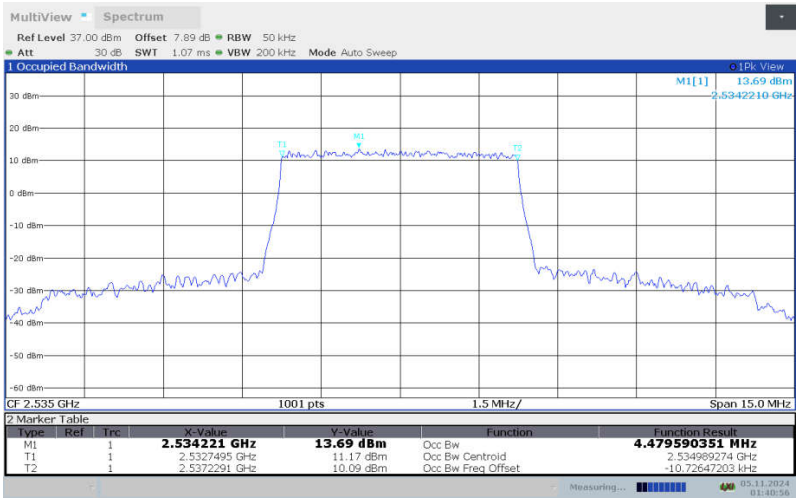


LTE band 7 , 5MHz Bandwidth, MID, QPSK (99% BW)



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

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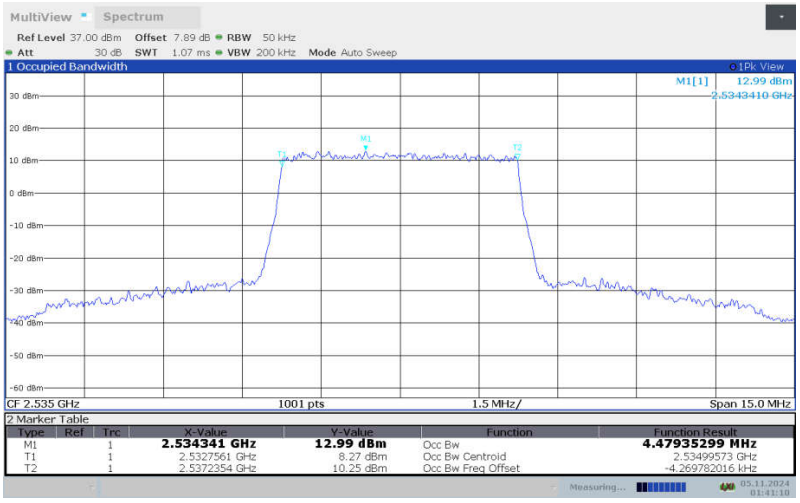
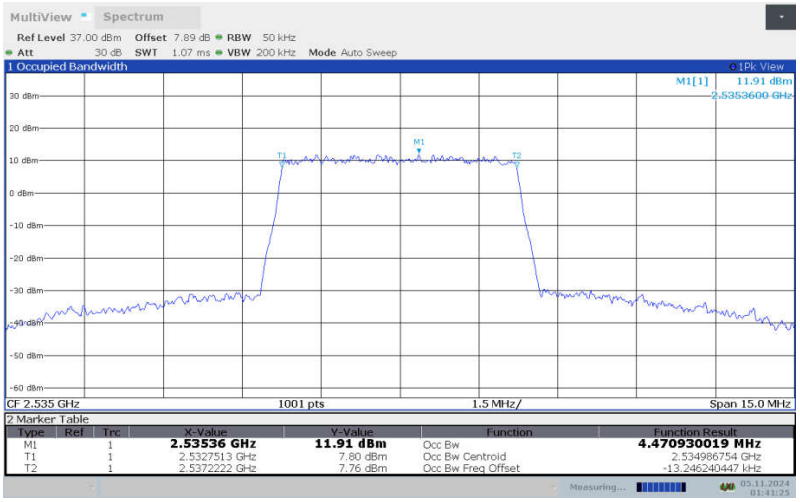


LTE band 7 , 5MHz Bandwidth, MID, 64QAM (99% BW)



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

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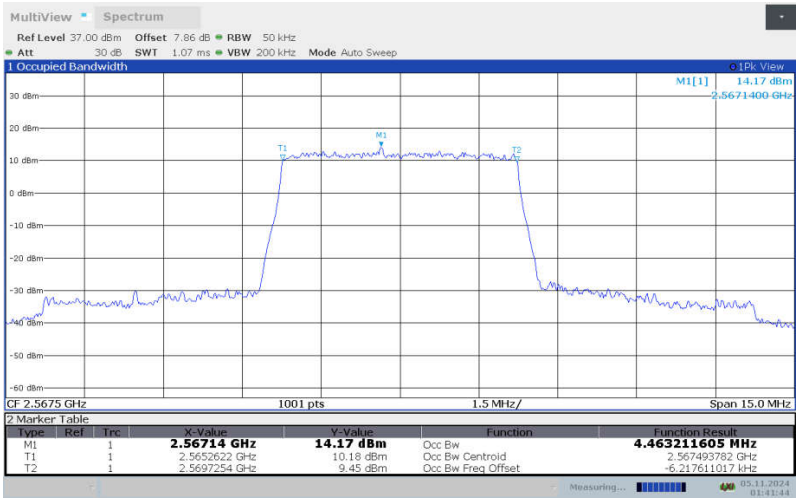
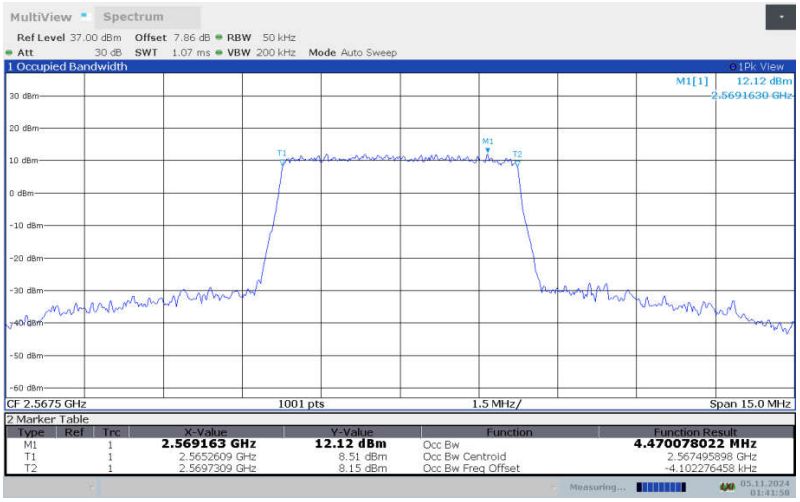


LTE band 7 , 5MHz Bandwidth, HIGH, 16QAM (99% BW)



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

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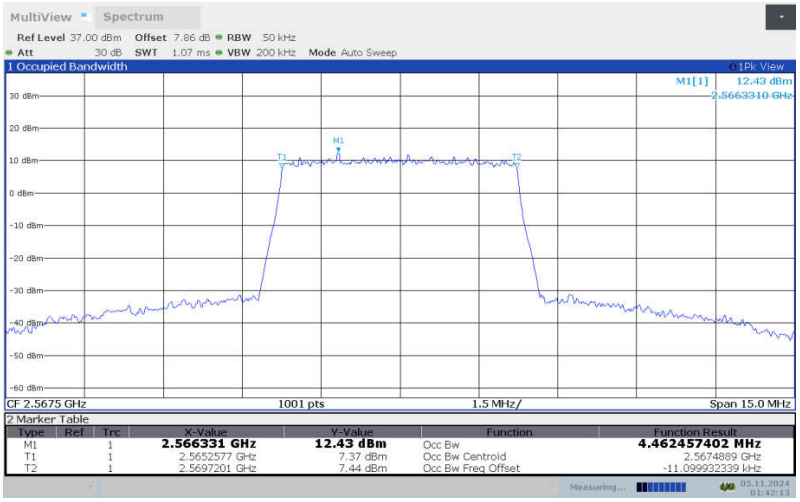

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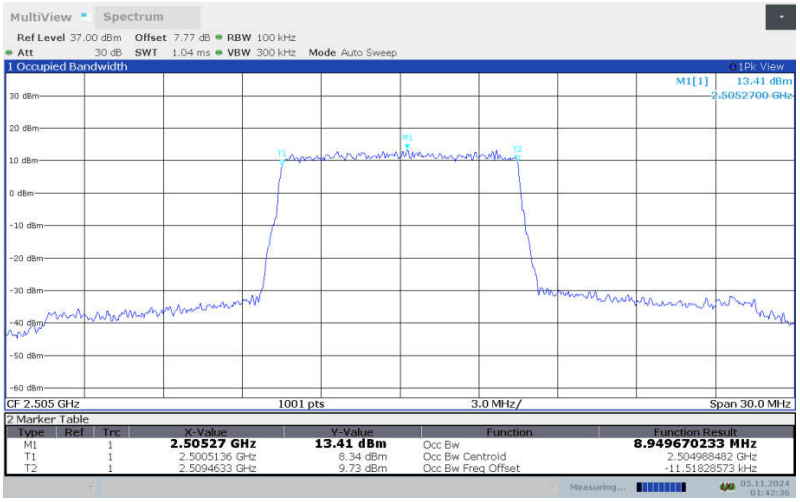
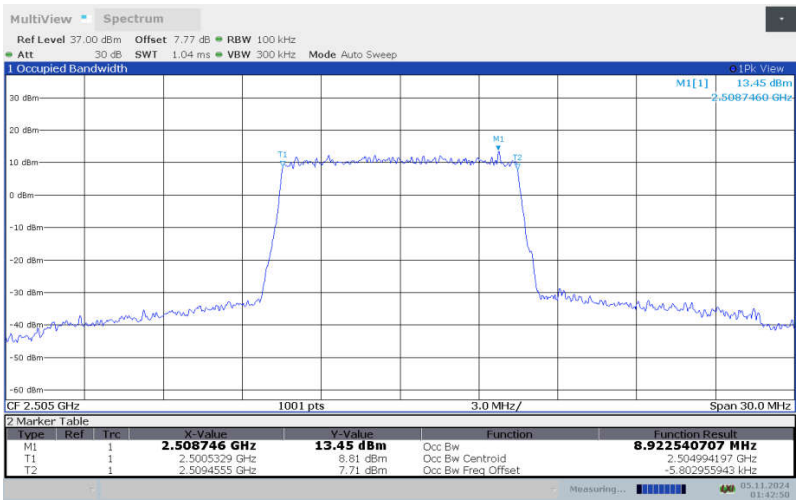
LTE band 7,10MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
2505	8.950	8.923	8.919
2535	8.932	8.952	8.918
2565	8.938	8.940	8.928

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



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



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

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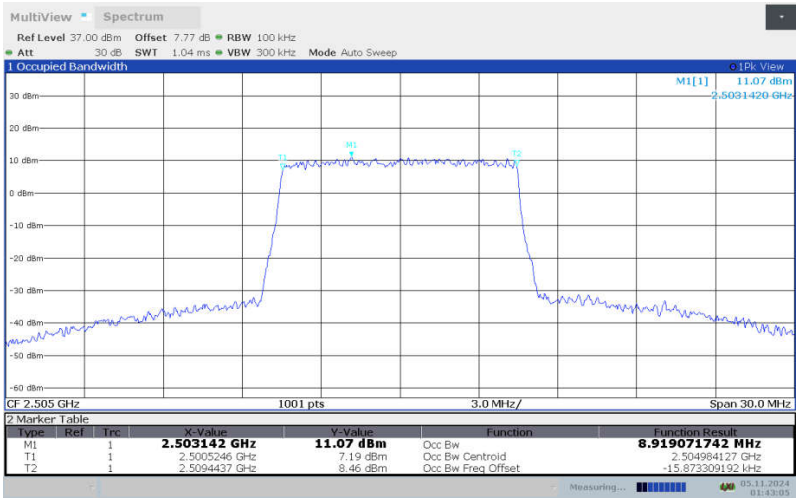
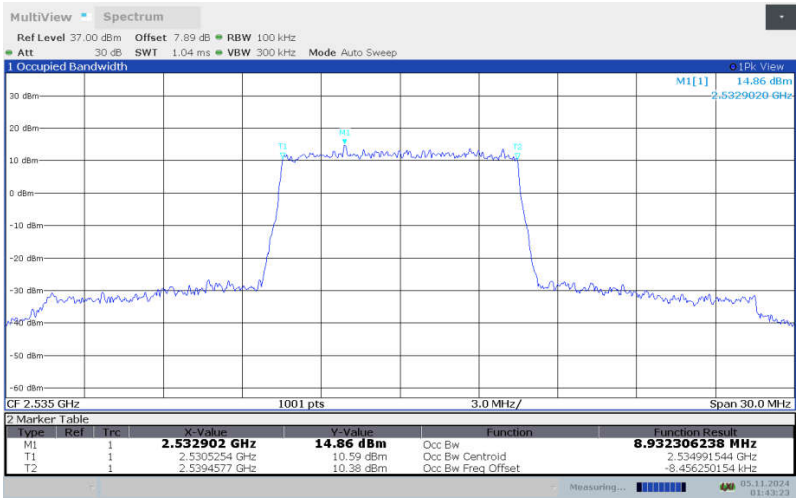


LTE band 7 , 10MHz Bandwidth, MID, QPSK (99% BW)



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

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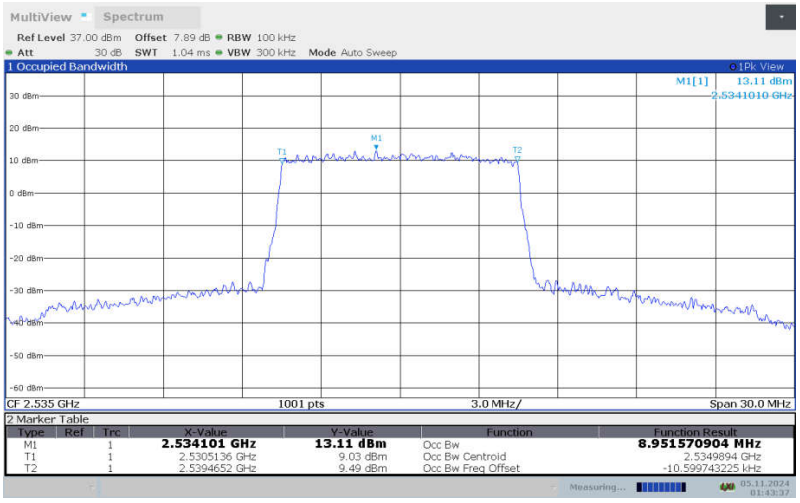
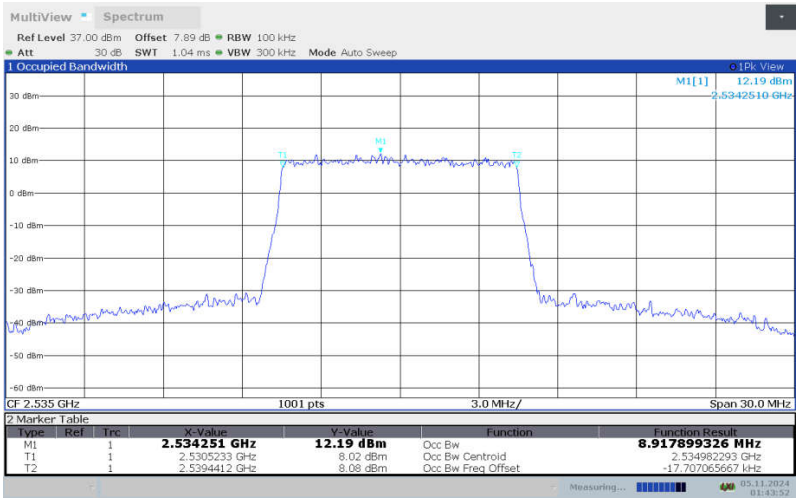


LTE band 7 , 10MHz Bandwidth, MID, 64QAM (99% BW)



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

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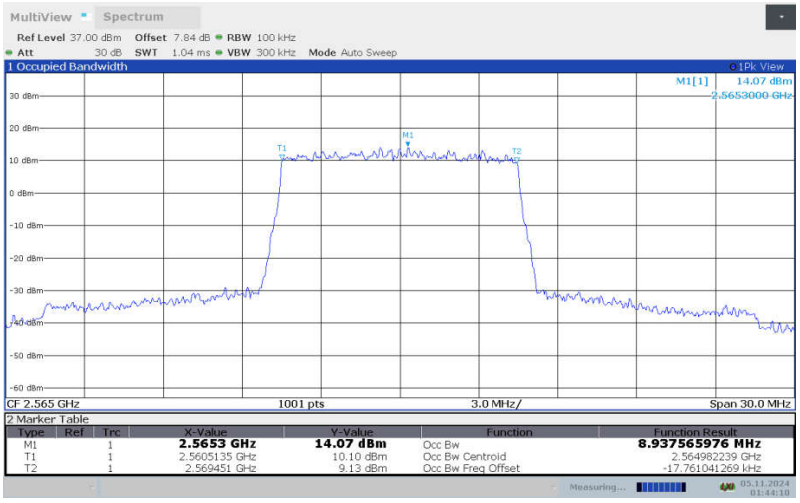
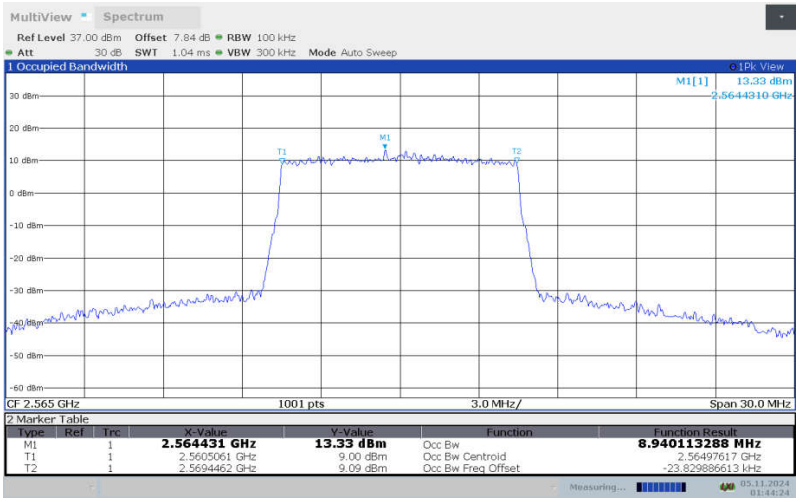


LTE band 7 , 10MHz Bandwidth, HIGH, 16QAM (99% BW)



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

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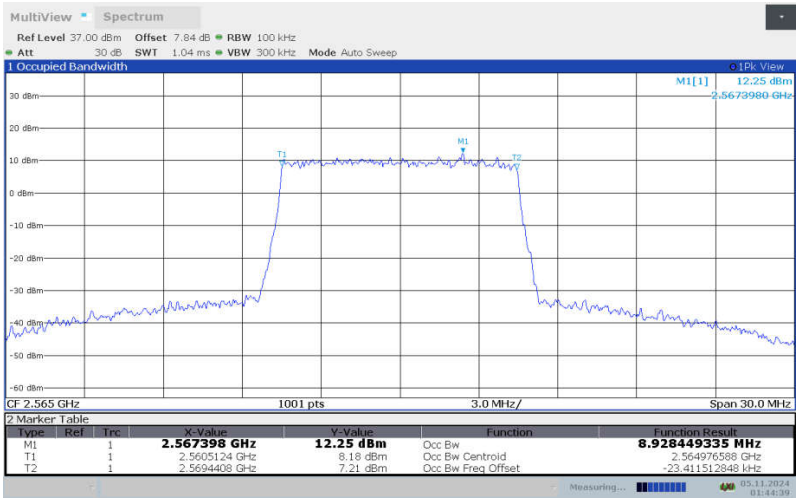

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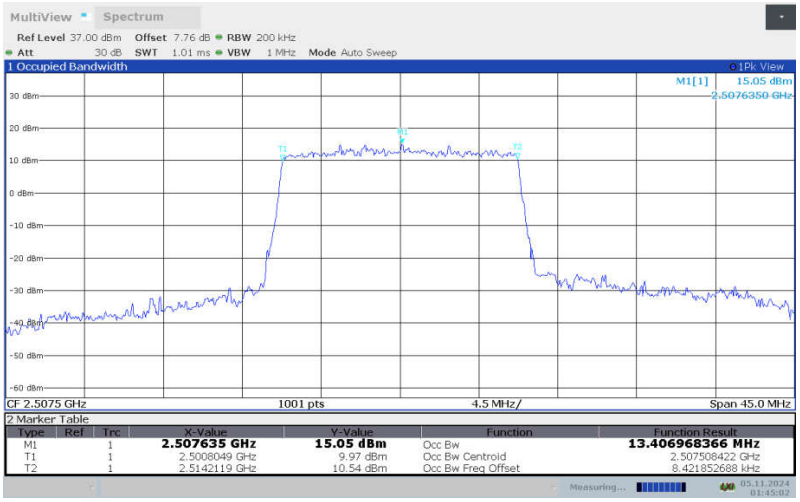
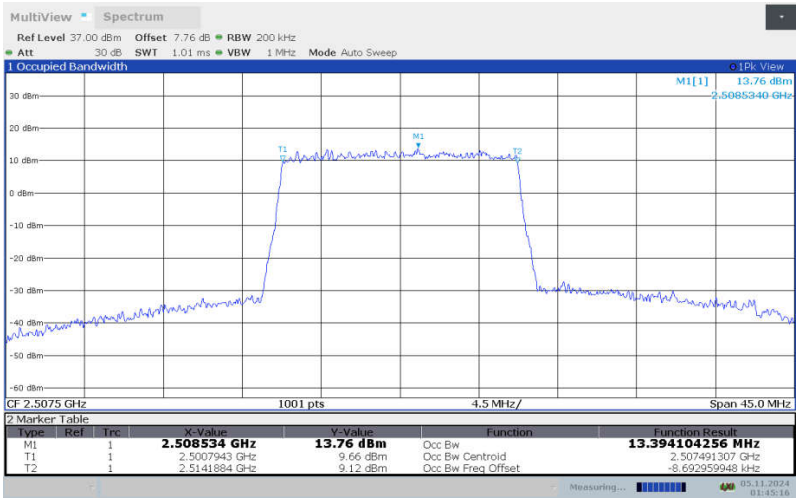
LTE band 7,15MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
2507.5	13.407	13.394	13.377
2535	13.368	13.415	13.422
2562.5	13.386	13.408	13.454

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



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



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

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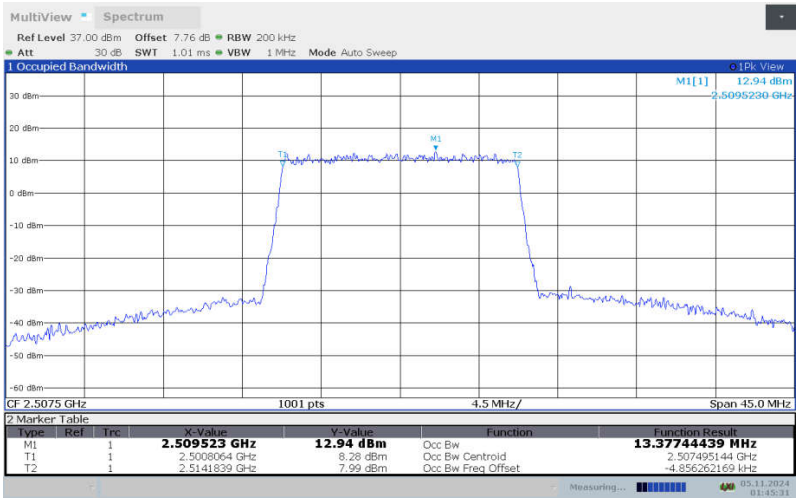
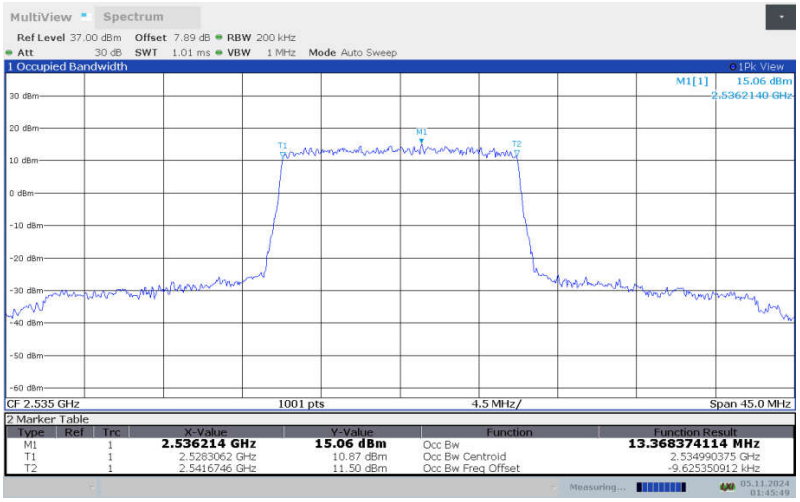


LTE band 7 , 15MHz Bandwidth, MID, QPSK (99% BW)



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

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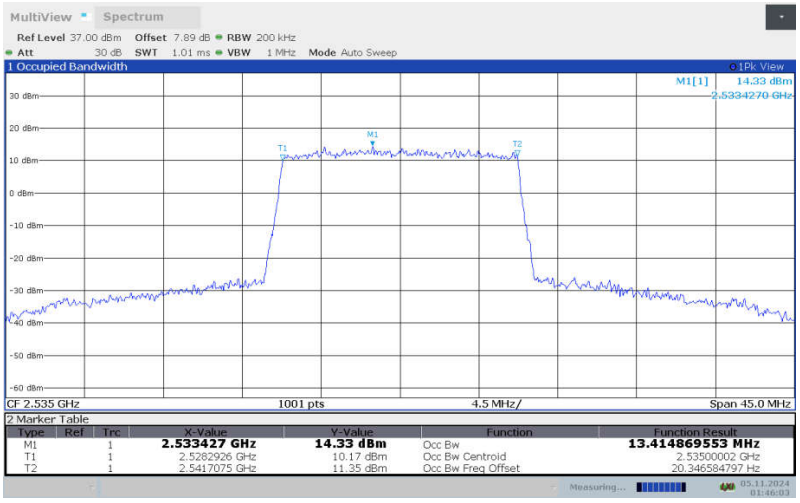
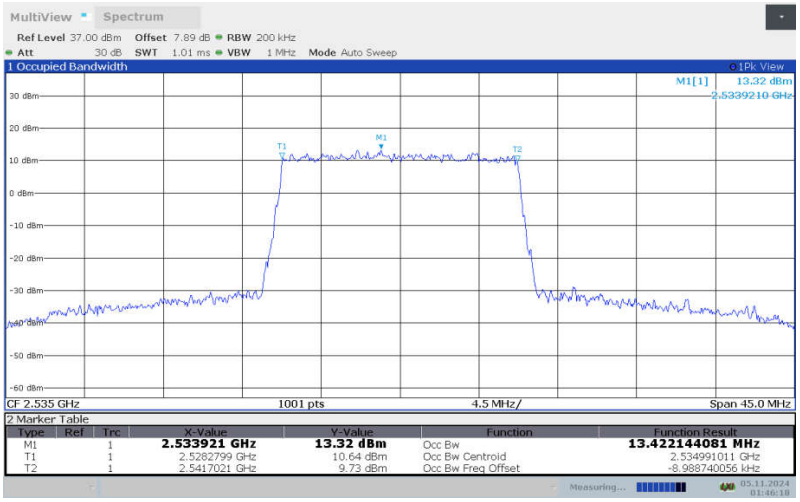


LTE band 7 , 15MHz Bandwidth, MID, 64QAM (99% BW)



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

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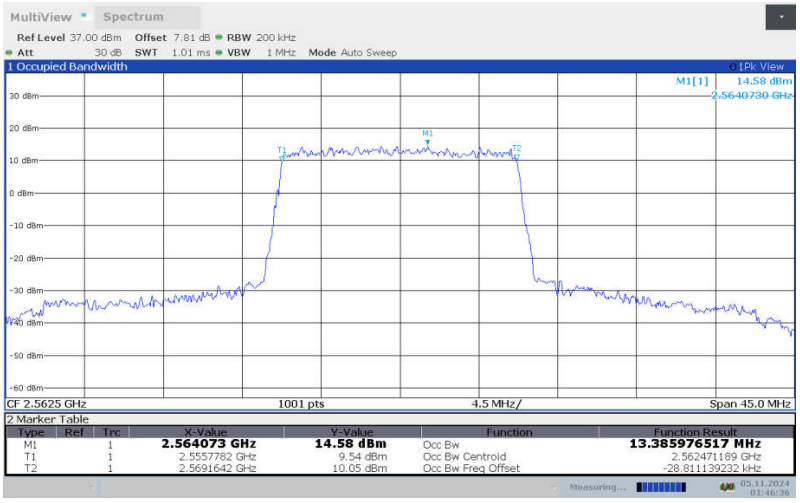
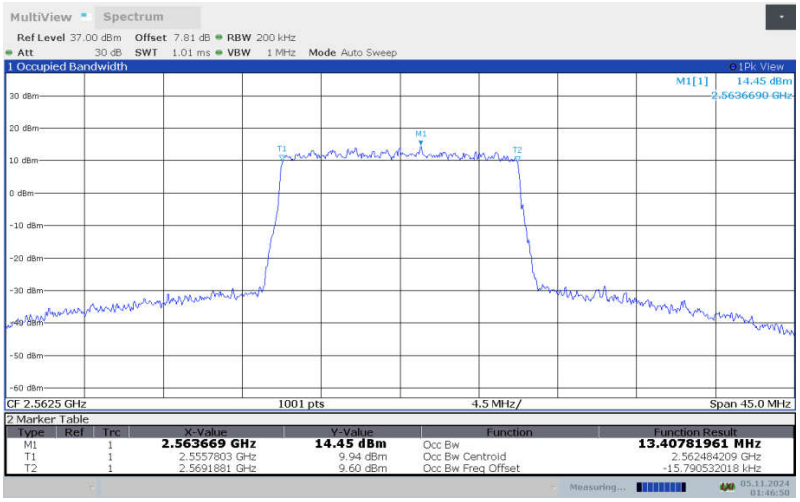


LTE band 7 , 15MHz Bandwidth, HIGH, 16QAM (99% BW)



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

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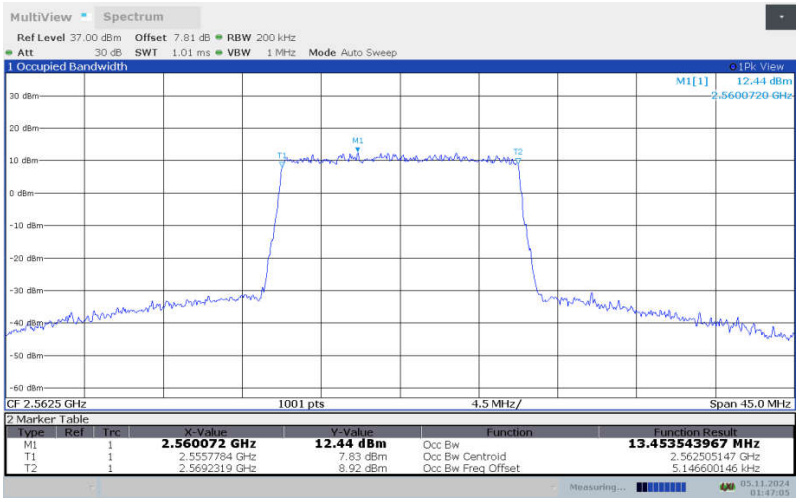

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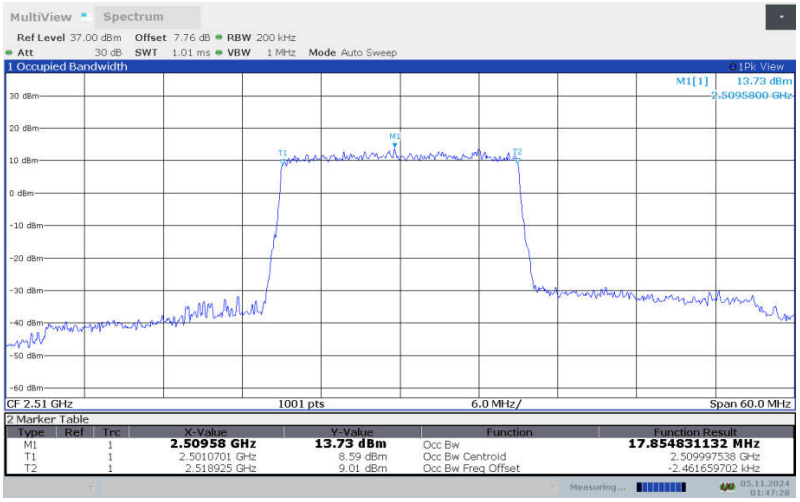
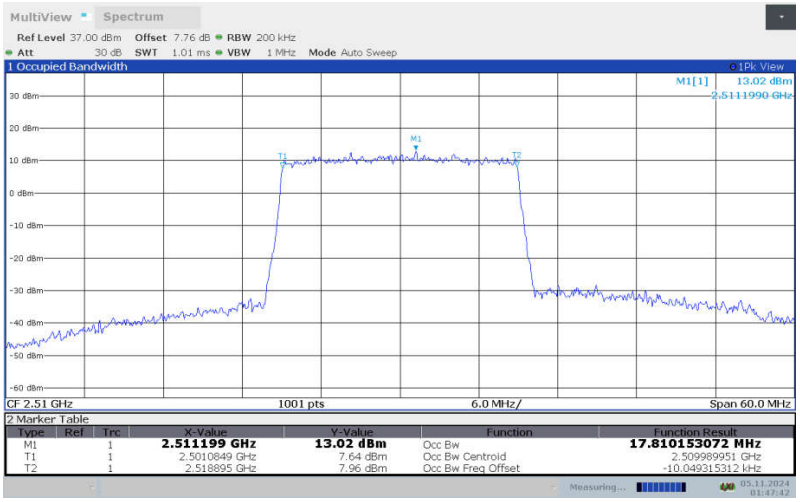
LTE band 7,20MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
2510	17.855	17.810	17.826
2535	17.816	17.865	17.837
2560	17.839	17.869	17.829

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



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



LTE band 7 , 20MHz Bandwidth, LOW, 64QAM (99% BW)

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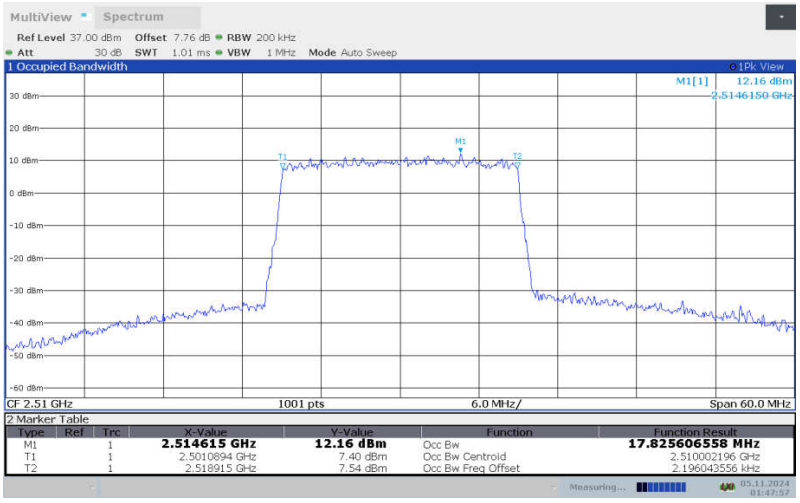
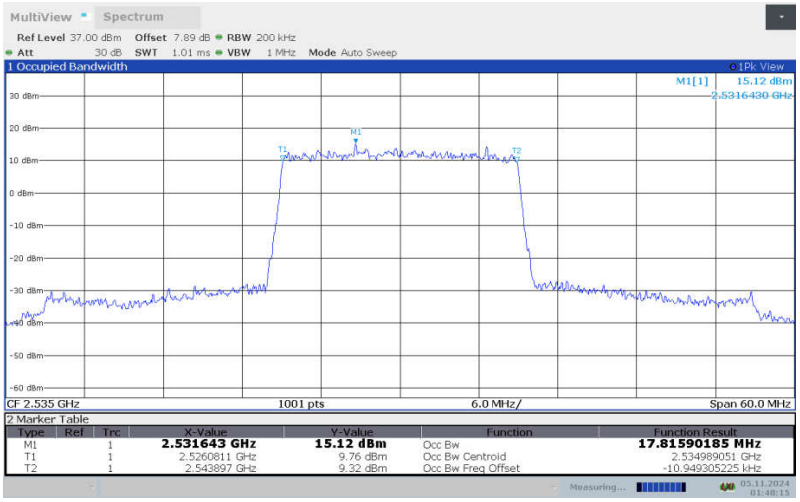


LTE band 7 , 20MHz Bandwidth, MID, QPSK (99% BW)



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

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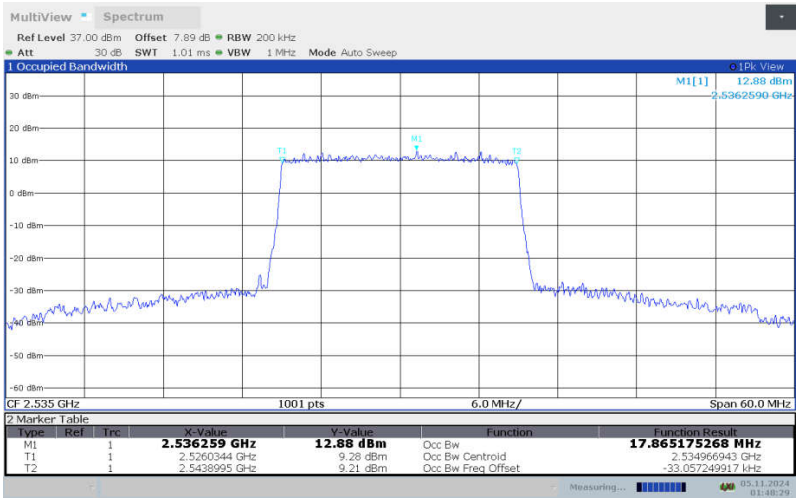
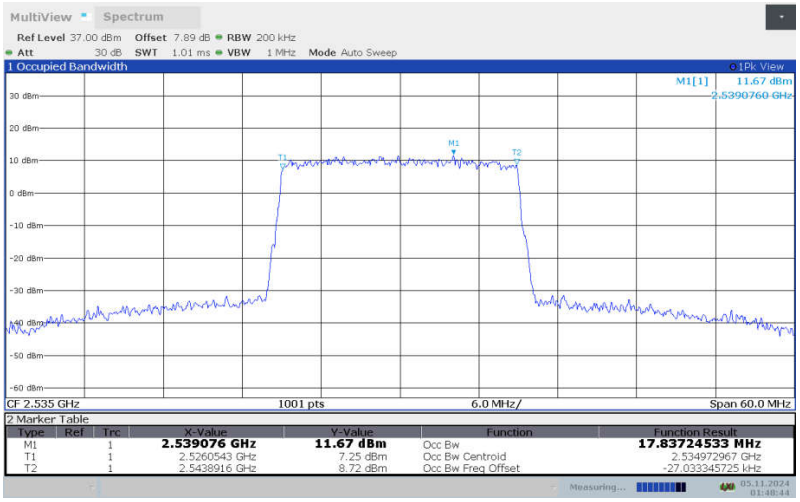


LTE band 7 , 20MHz Bandwidth, MID, 64QAM (99% BW)



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

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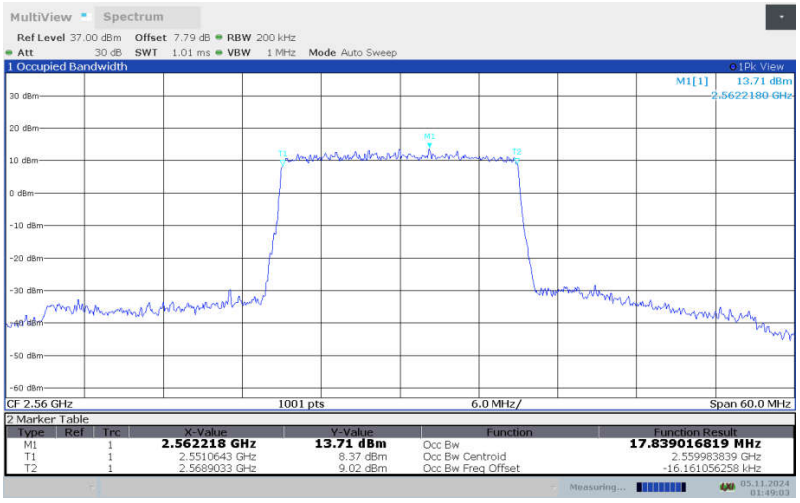
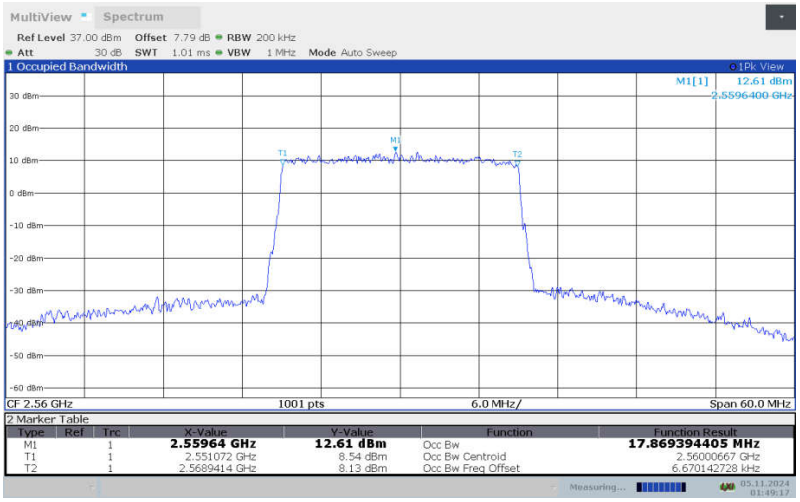


LTE band 7 , 20MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 7 , 20MHz Bandwidth, HIGH, 64QAM (99% BW)

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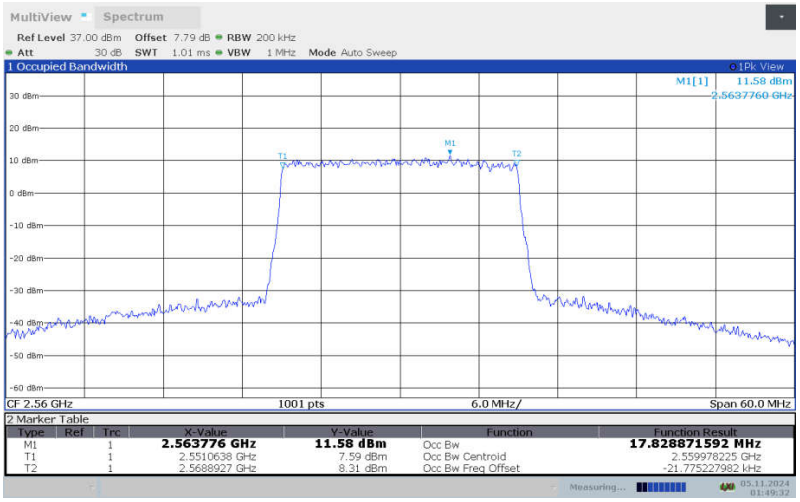

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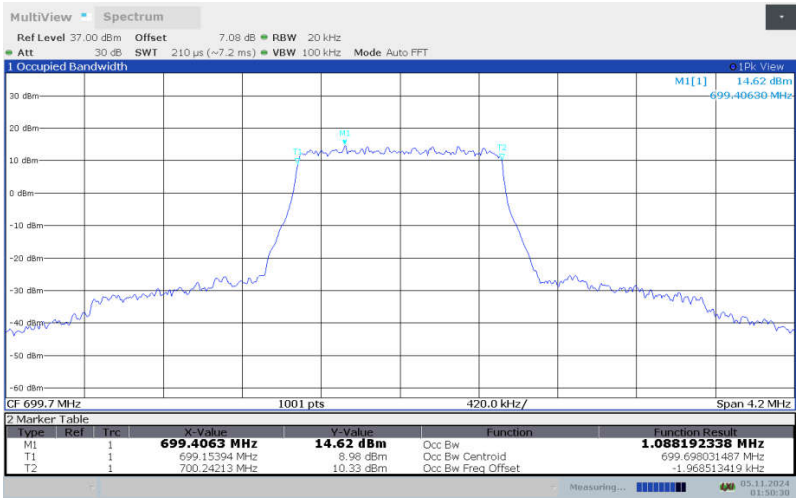
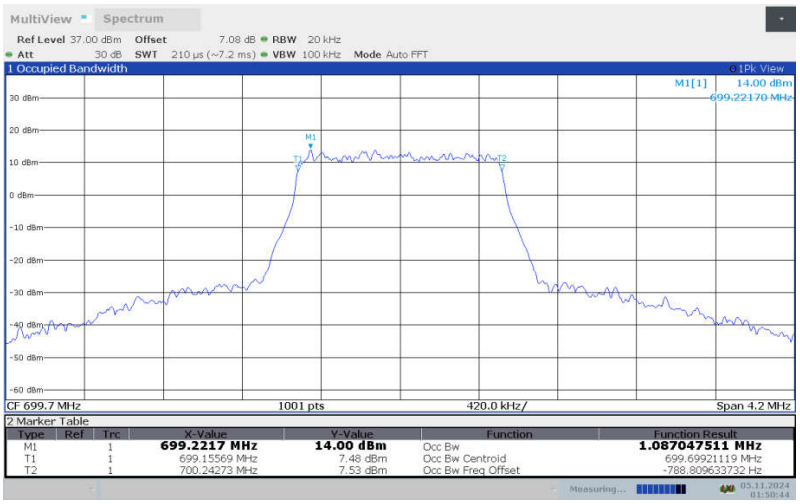
LTE band 12,1.4MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
699.7	1.088	1.087	1.084
707.5	1.085	1.091	1.082
715.3	1.089	1.085	1.088

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, LOW, 64QAM (99% BW)

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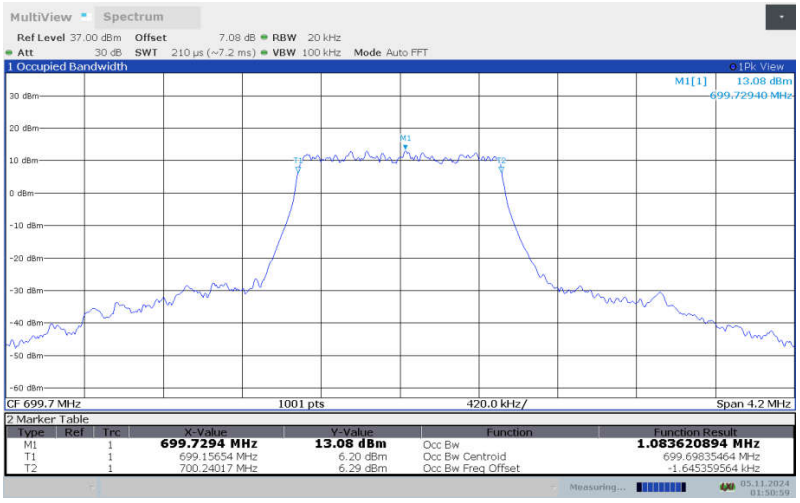
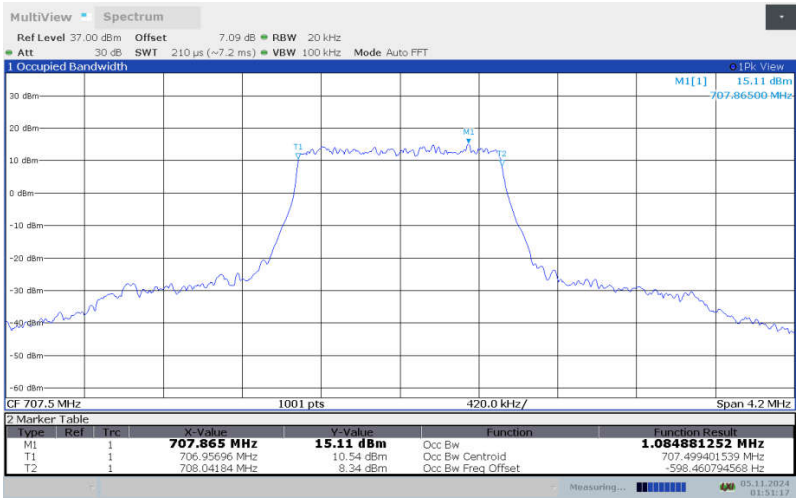


LTE band 12 , 1.4MHz Bandwidth, MID, QPSK (99% BW)



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

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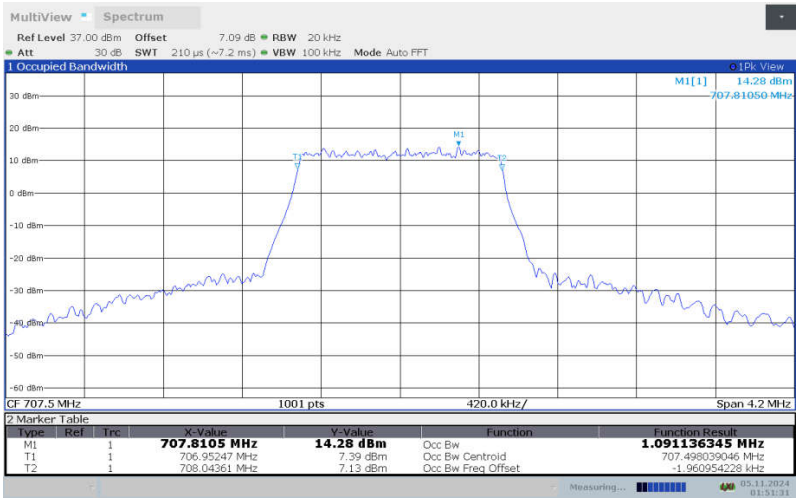
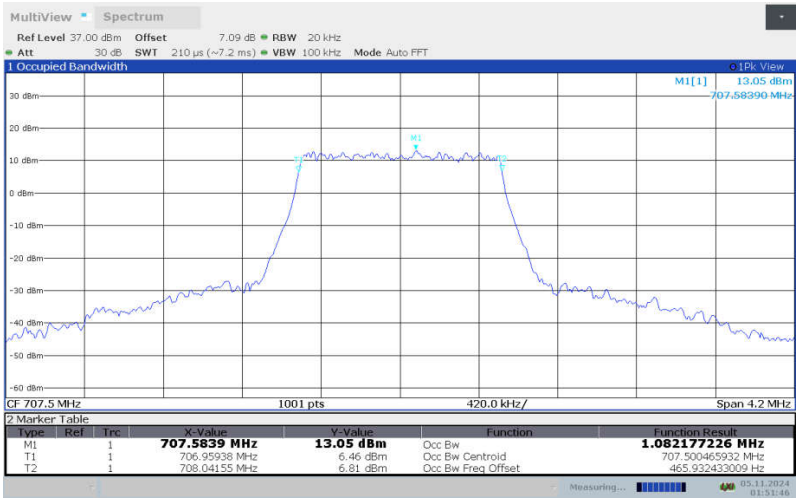


LTE band 12 , 1.4MHz Bandwidth, MID, 64QAM (99% BW)



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

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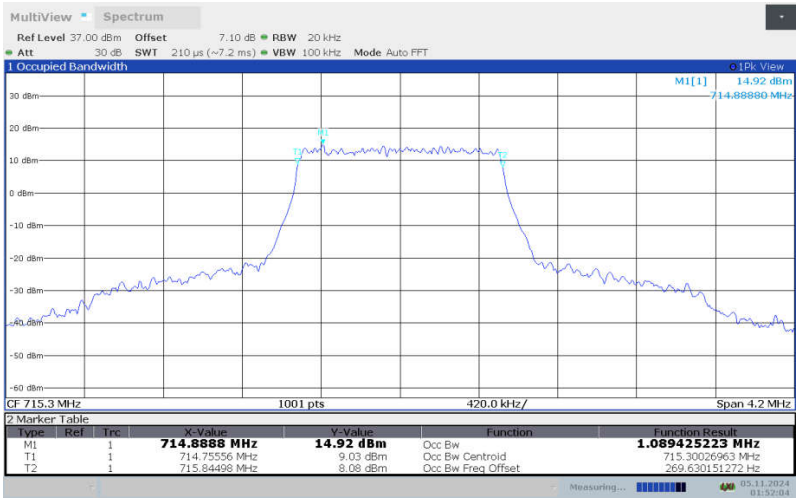
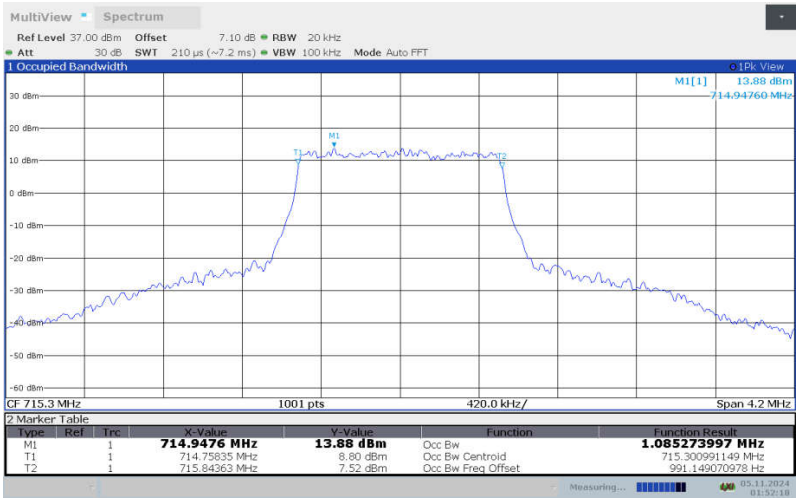


LTE band 12 , 1.4MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 12 , 1.4MHz Bandwidth, HIGH, 64QAM (99% BW)

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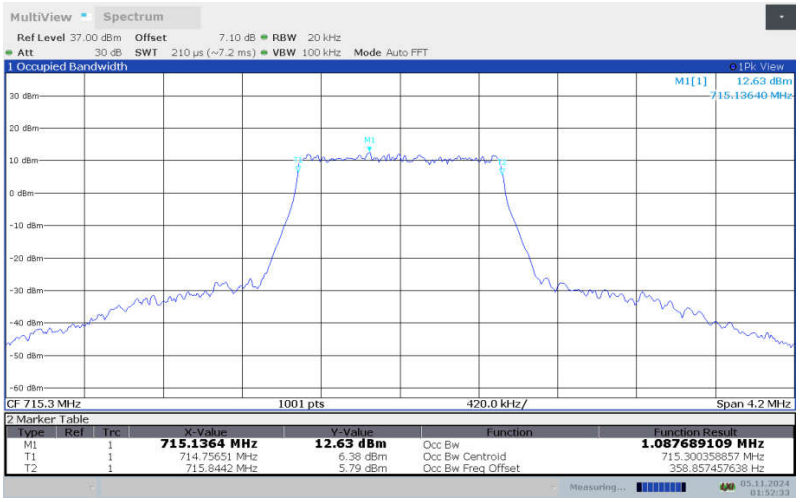

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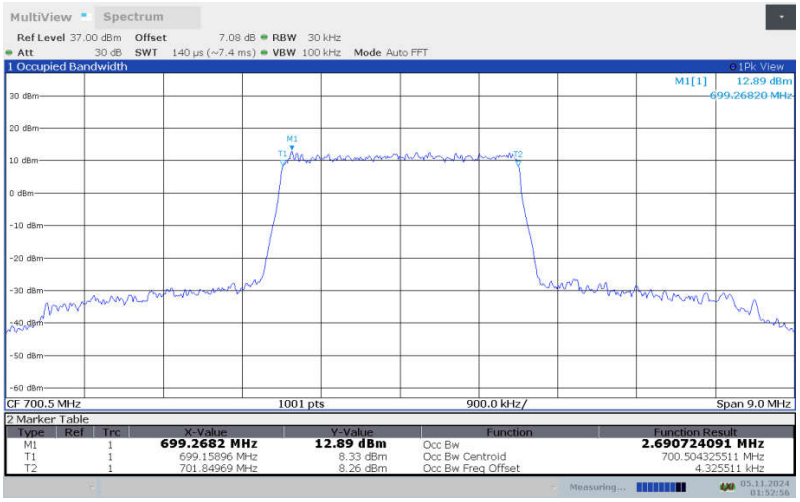
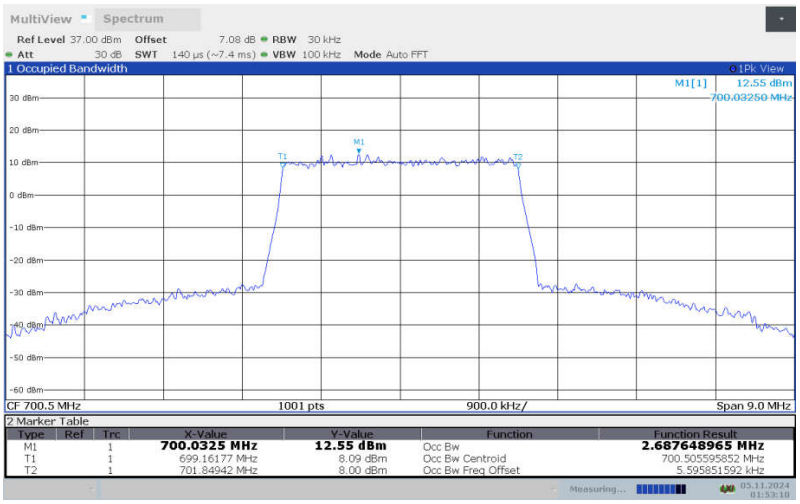
LTE band 12,3MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
700.5	2.691	2.688	2.685
707.5	2.692	2.684	2.683
714.5	2.685	2.681	2.685

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



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



LTE band 12 , 3MHz Bandwidth, LOW, 64QAM (99% BW)

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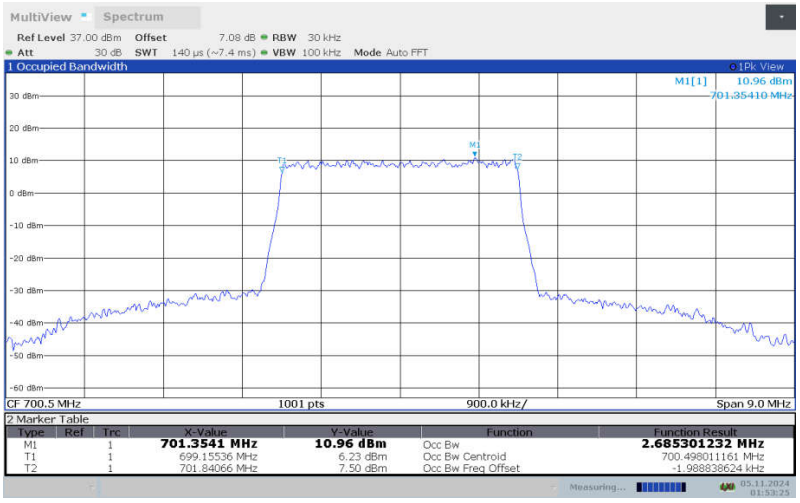
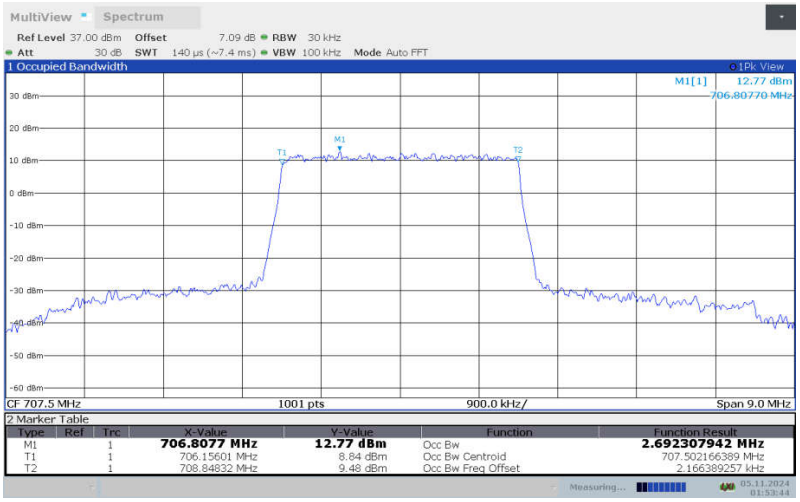


LTE band 12 , 3MHz Bandwidth, MID, QPSK (99% BW)



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

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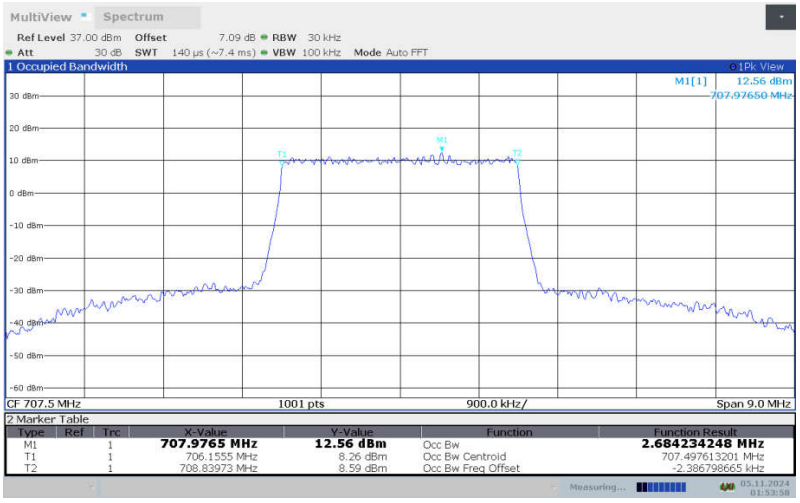
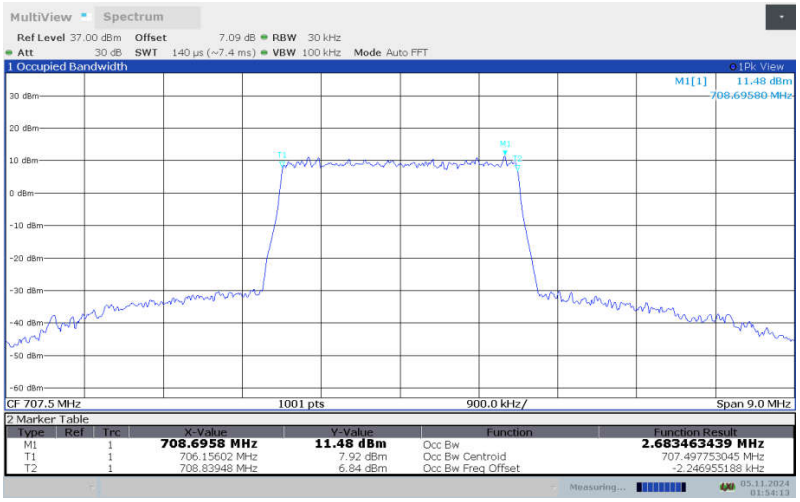


LTE band 12 , 3MHz Bandwidth, MID, 64QAM (99% BW)



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

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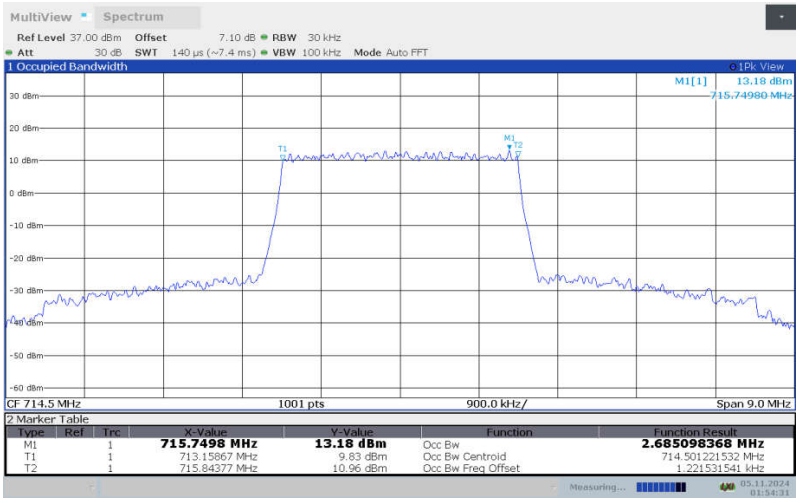
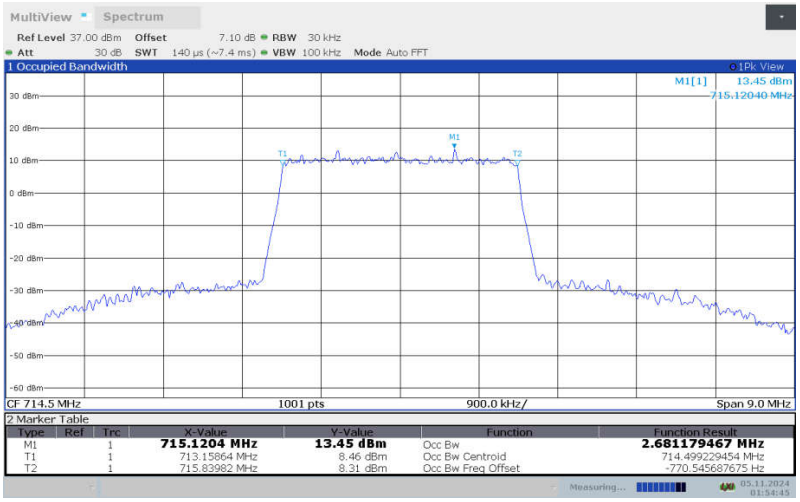


LTE band 12 , 3MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 12 , 3MHz Bandwidth, HIGH, 64QAM (99% BW)

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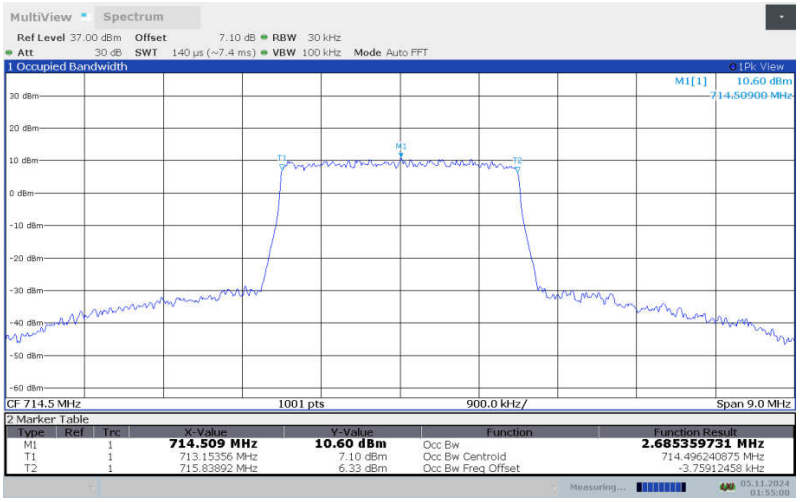

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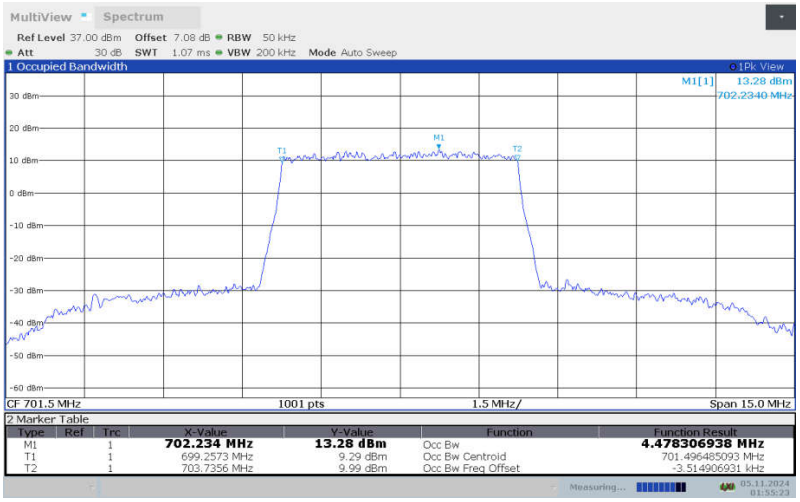
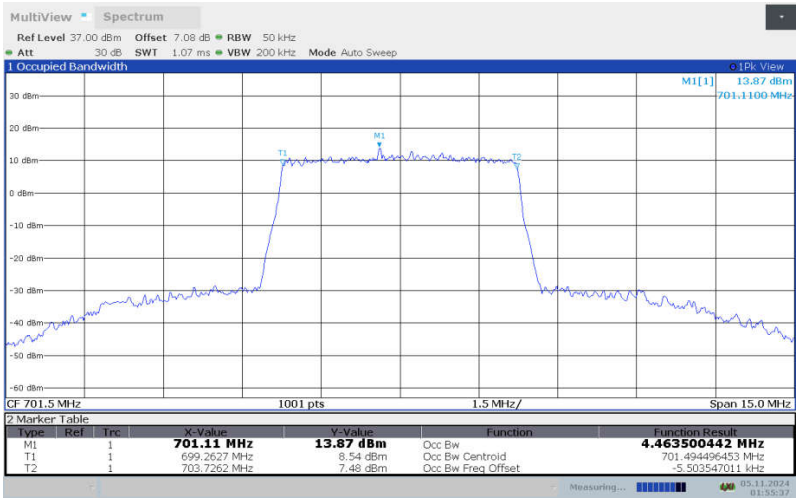
LTE band 12,5MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
701.5	4.478	4.464	4.464
707.5	4.479	4.481	4.473
713.5	4.462	4.468	4.462

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



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



LTE band 12 , 5MHz Bandwidth, LOW, 64QAM (99% BW)

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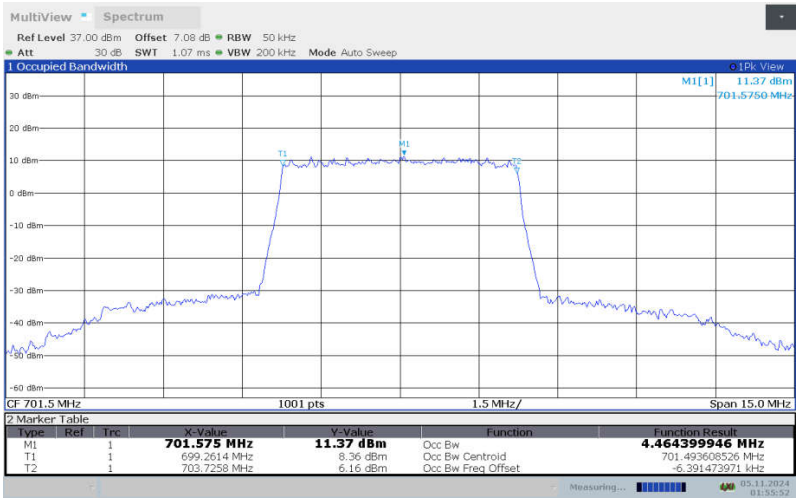
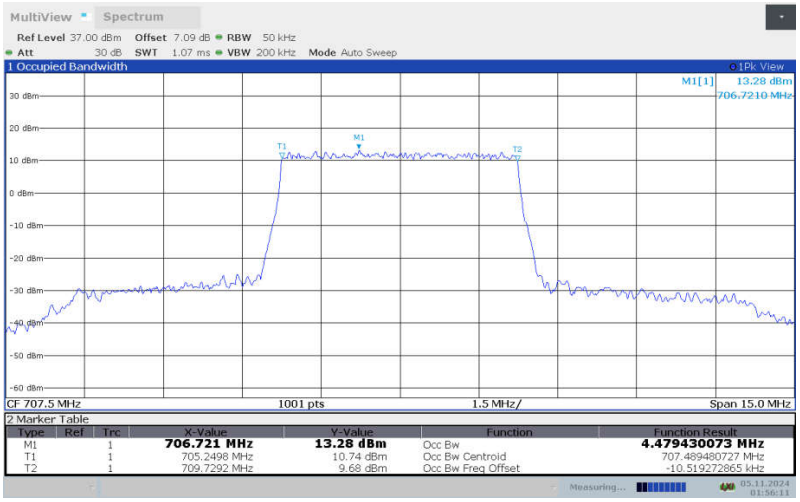


LTE band 12 , 5MHz Bandwidth, MID, QPSK (99% BW)



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

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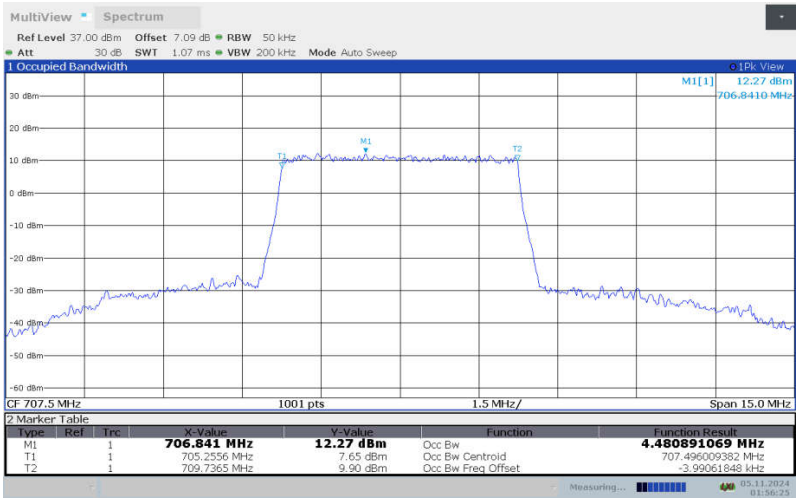
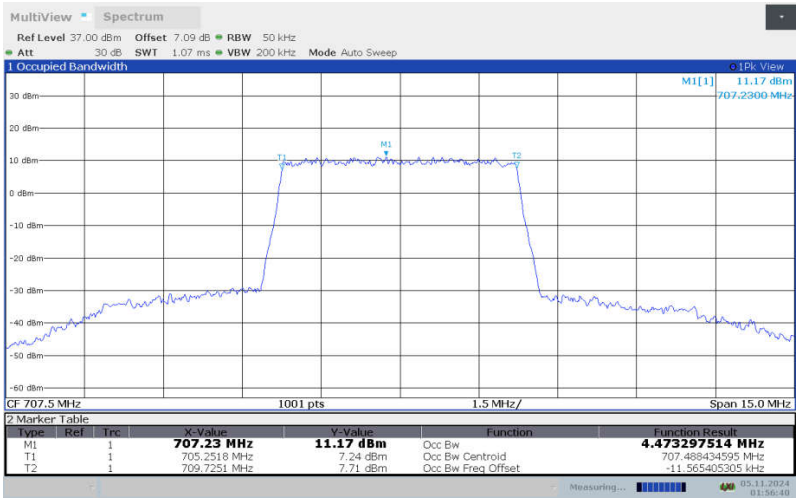


LTE band 12 , 5MHz Bandwidth, MID, 64QAM (99% BW)



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

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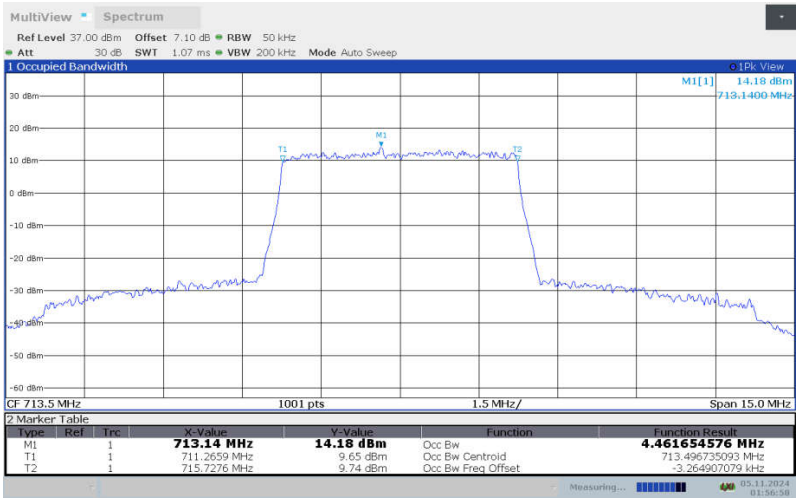
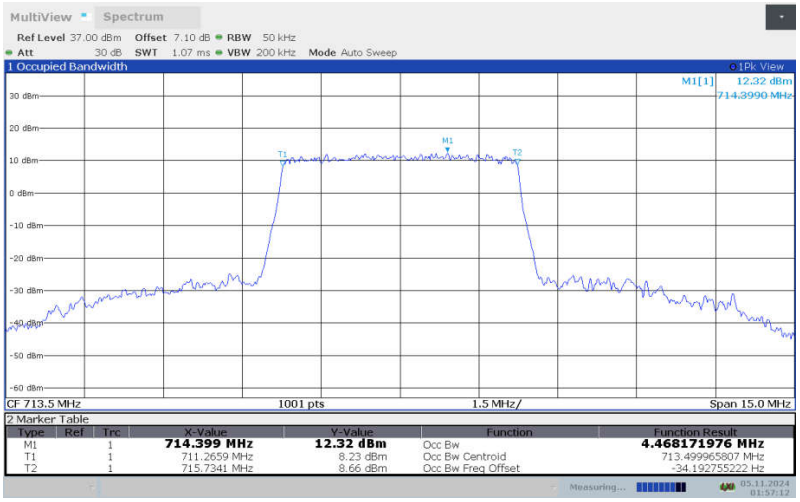


LTE band 12 , 5MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 12 , 5MHz Bandwidth, HIGH, 64QAM (99% BW)

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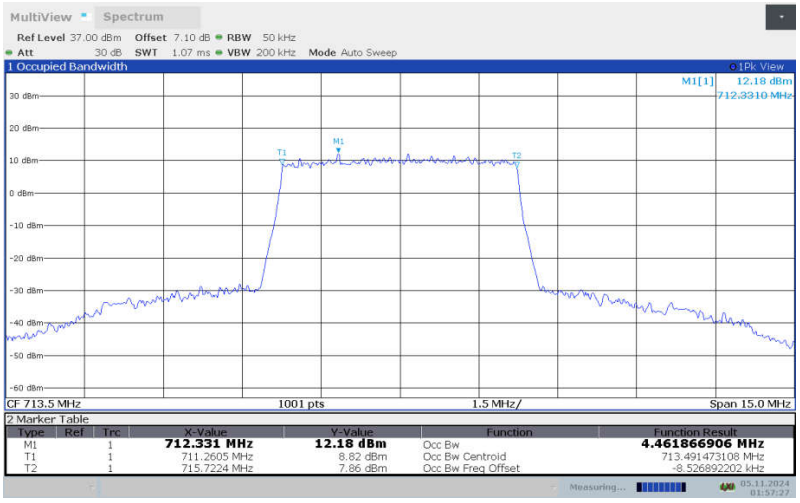

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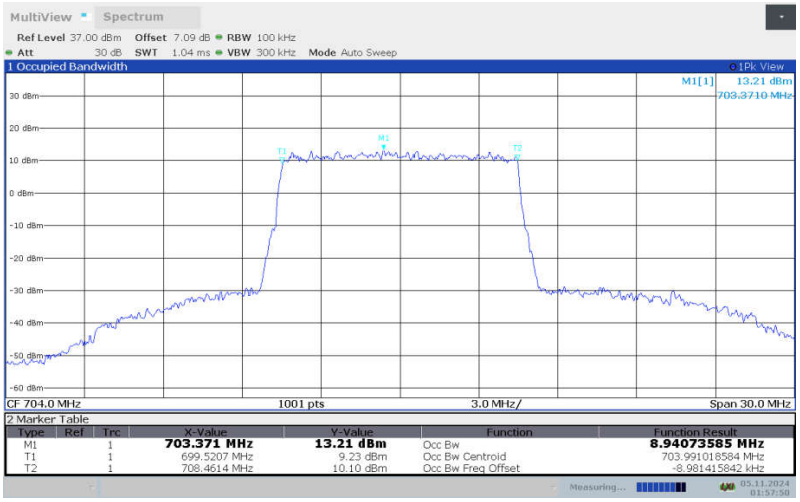
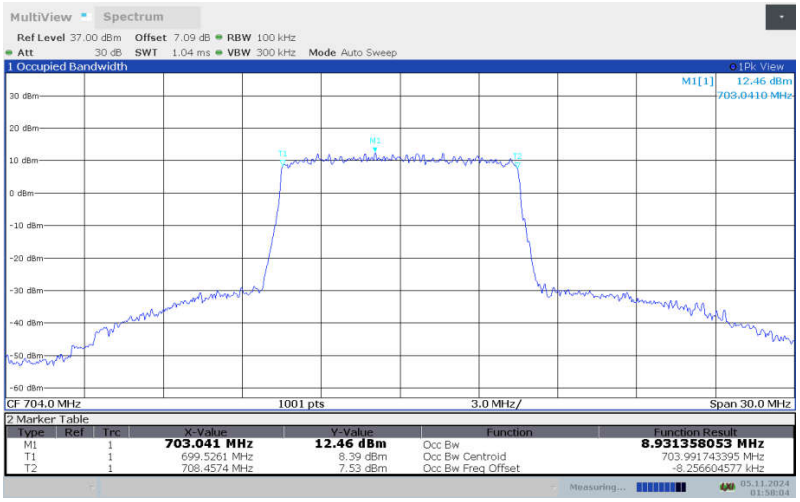
LTE band 12,10MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
704	8.941	8.931	8.922
707.5	8.926	8.945	8.956
711	8.950	8.937	8.936

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



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



LTE band 12 , 10MHz Bandwidth, LOW, 64QAM (99% BW)

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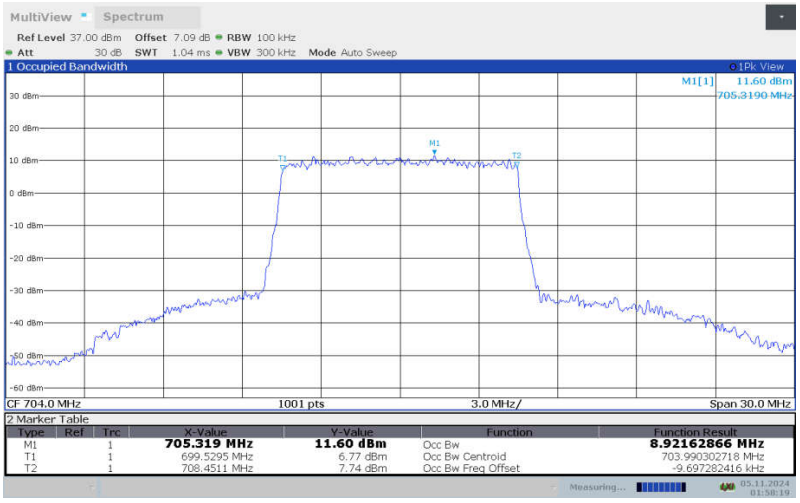
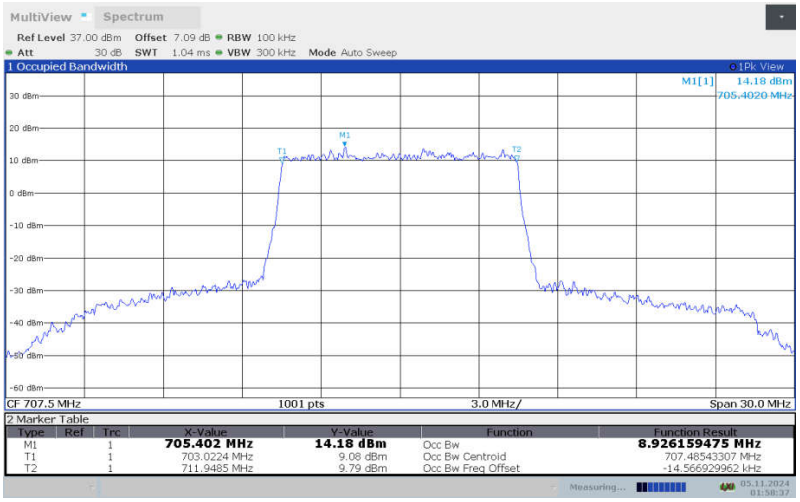


LTE band 12 , 10MHz Bandwidth, MID, QPSK (99% BW)



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

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