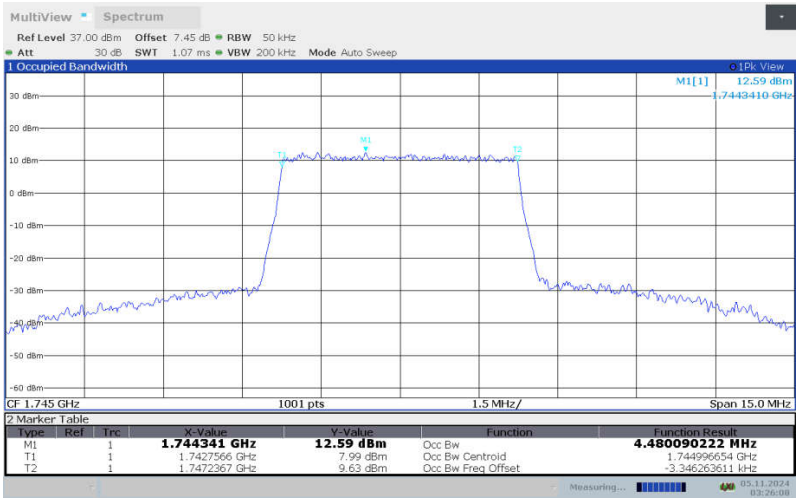
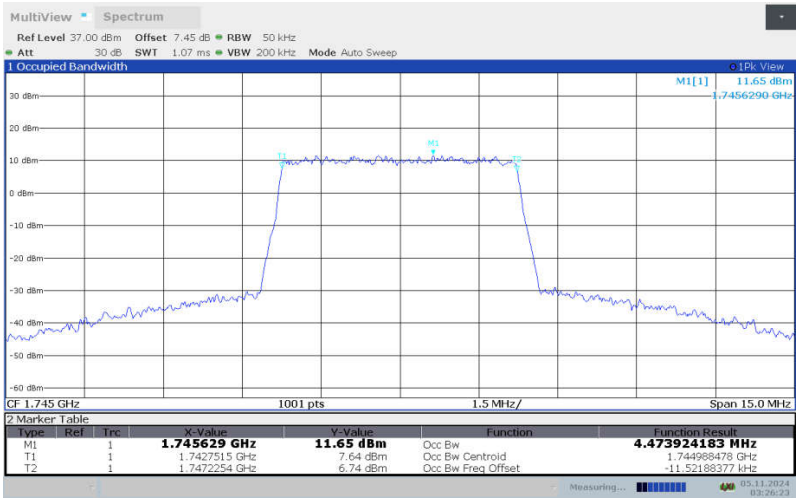


LTE band 66 , 5MHz Bandwidth, MID, 64QAM (99% BW)



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

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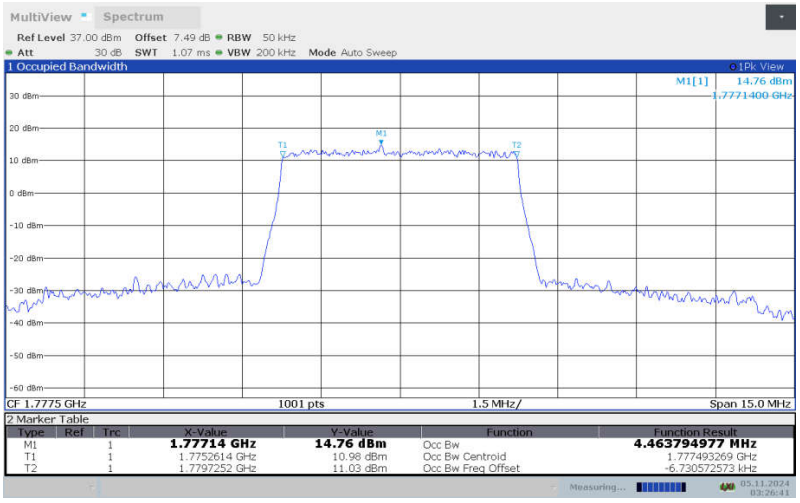
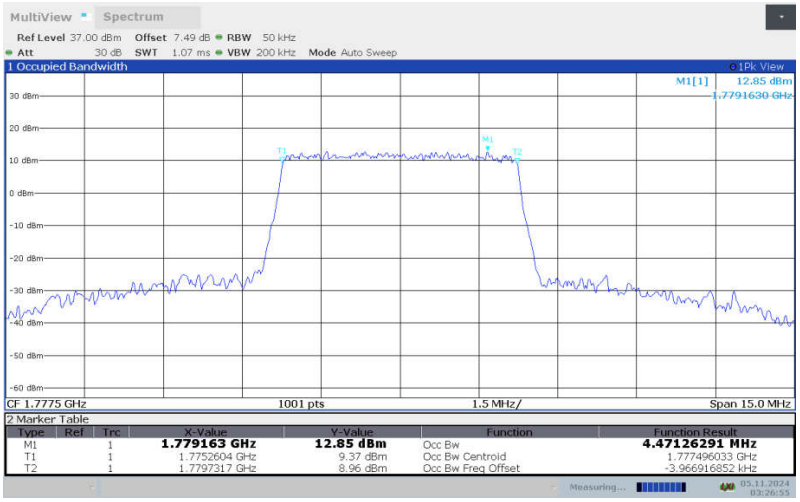


LTE band 66 , 5MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 66 , 5MHz Bandwidth, HIGH, 64QAM (99% BW)

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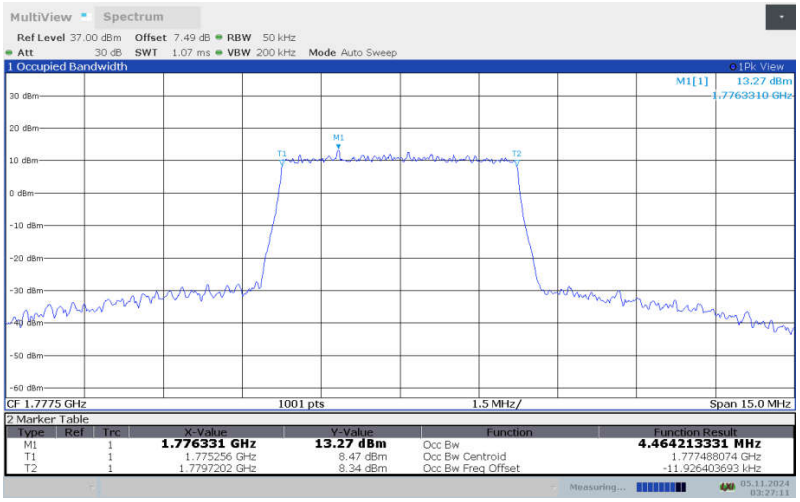

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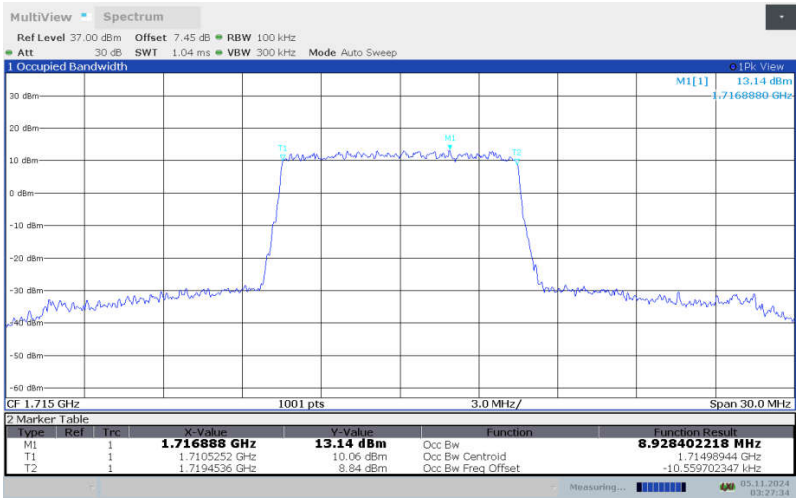
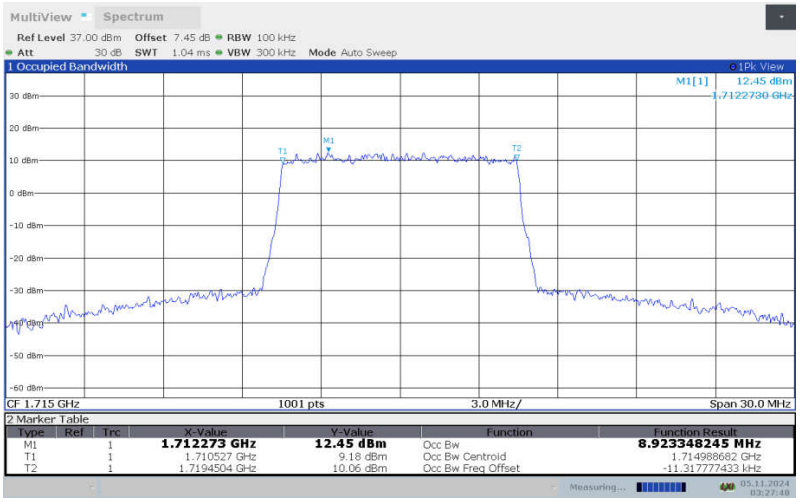
LTE band 66,10MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1715	8.928	8.923	8.916
1745	8.925	8.932	8.934
1775	8.937	8.939	8.920

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



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



LTE band 66 , 10MHz Bandwidth, LOW, 64QAM (99% BW)

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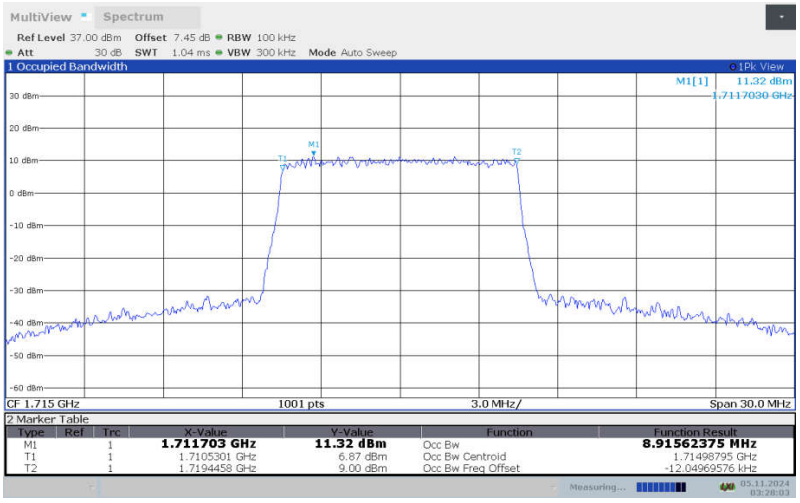
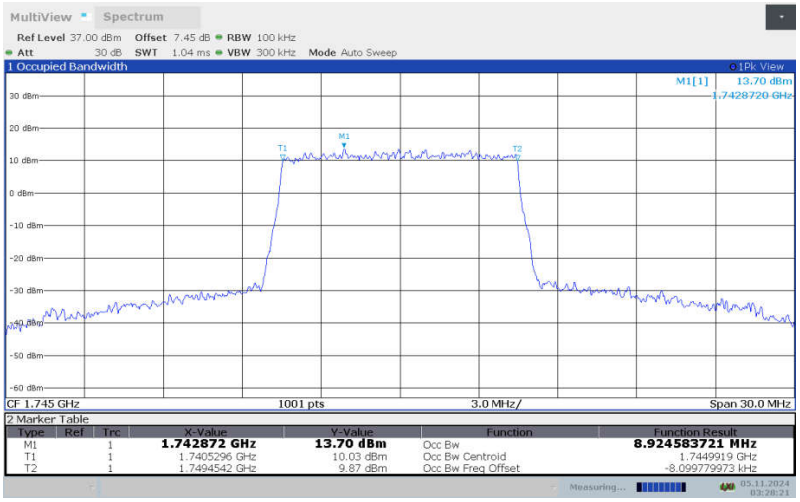


LTE band 66 , 10MHz Bandwidth, MID, QPSK (99% BW)



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

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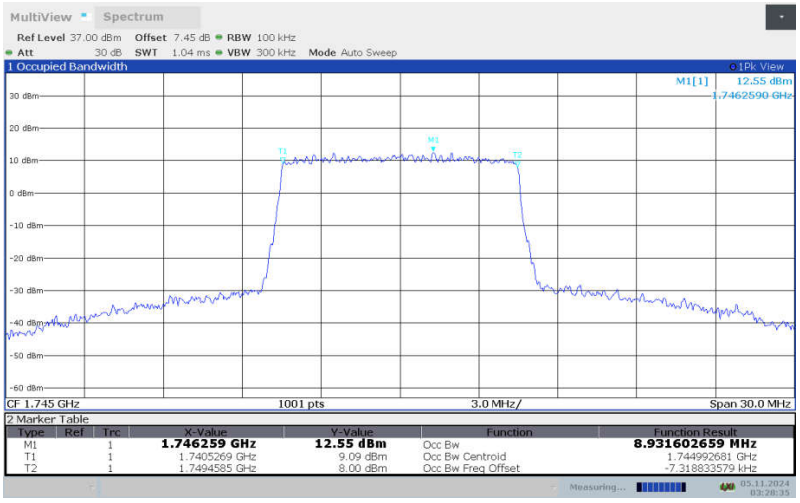
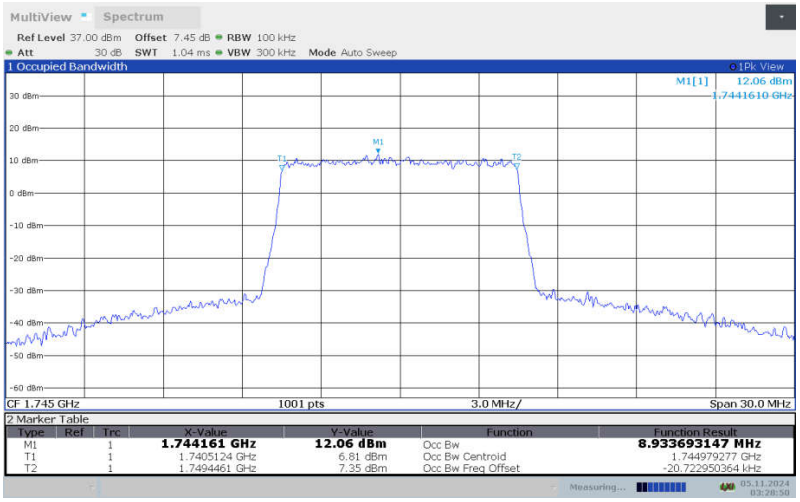


LTE band 66 , 10MHz Bandwidth, MID, 64QAM (99% BW)



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

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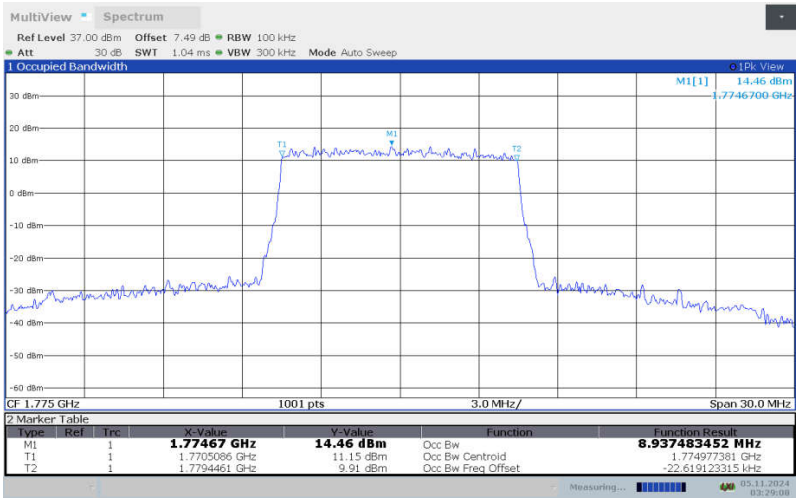
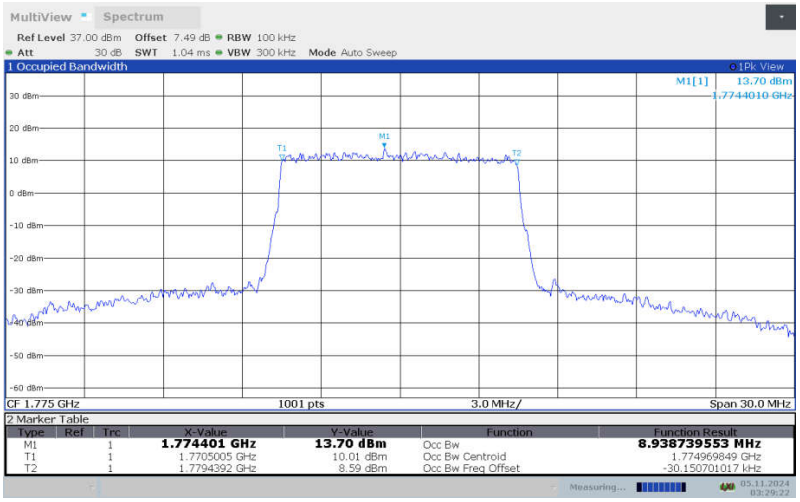


LTE band 66 , 10MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 66 , 10MHz Bandwidth, HIGH, 64QAM (99% BW)

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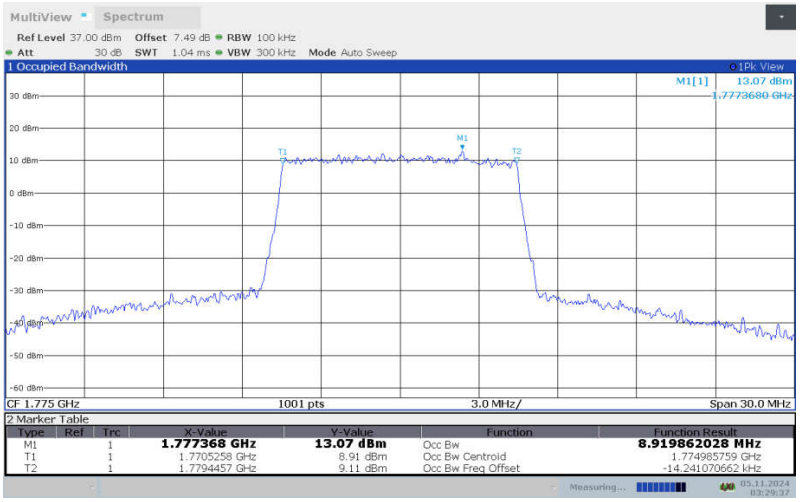

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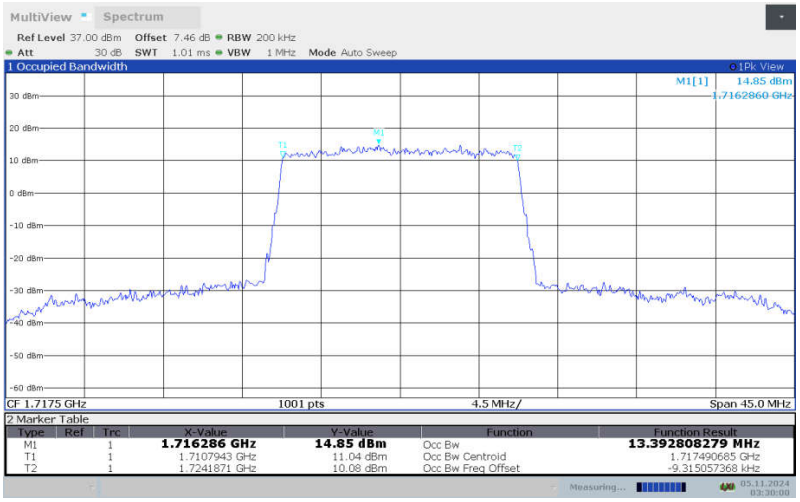
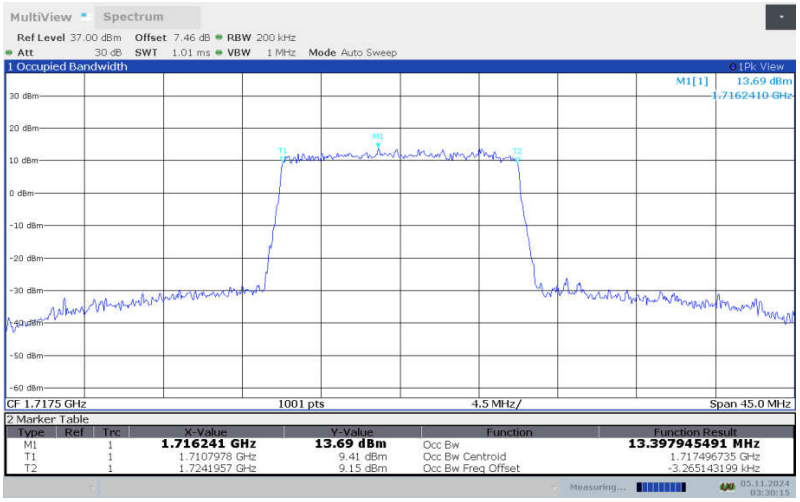
LTE band 66,15MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1717.5	13.393	13.398	13.353
1745	13.381	13.416	13.390
1772.5	13.398	13.409	13.426

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



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



LTE band 66 , 15MHz Bandwidth, LOW, 64QAM (99% BW)

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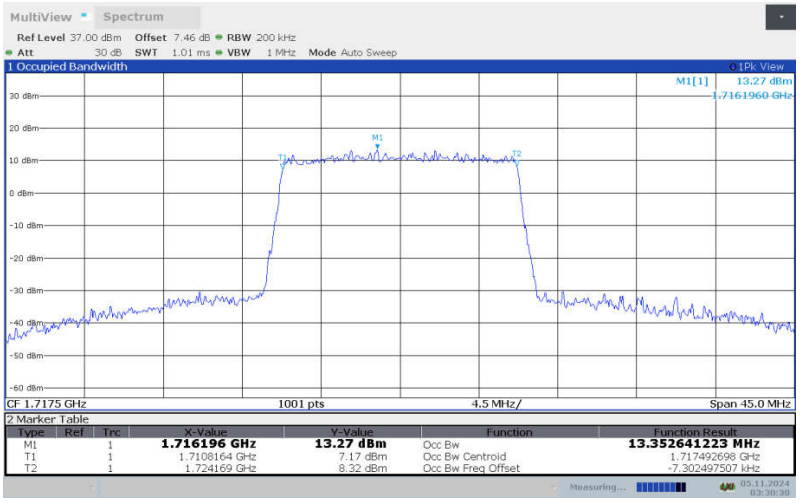
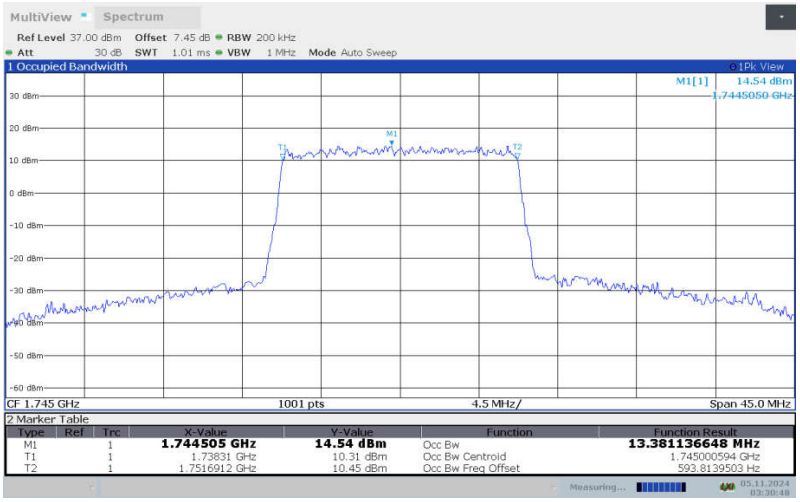


LTE band 66 , 15MHz Bandwidth, MID, QPSK (99% BW)



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

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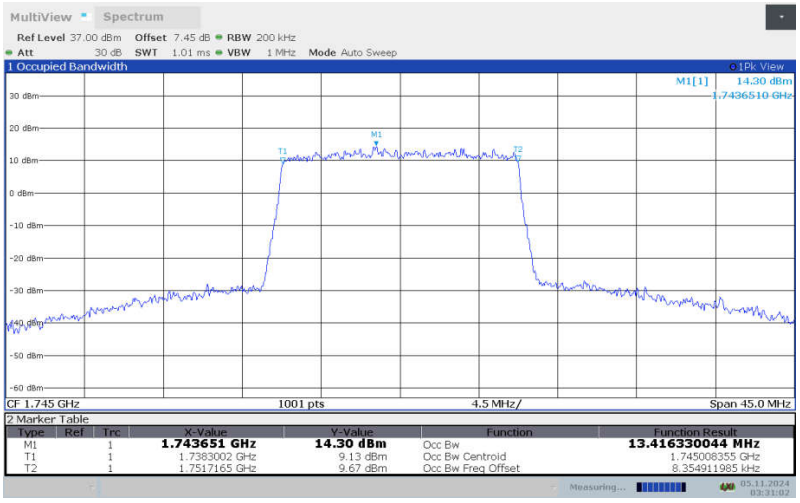
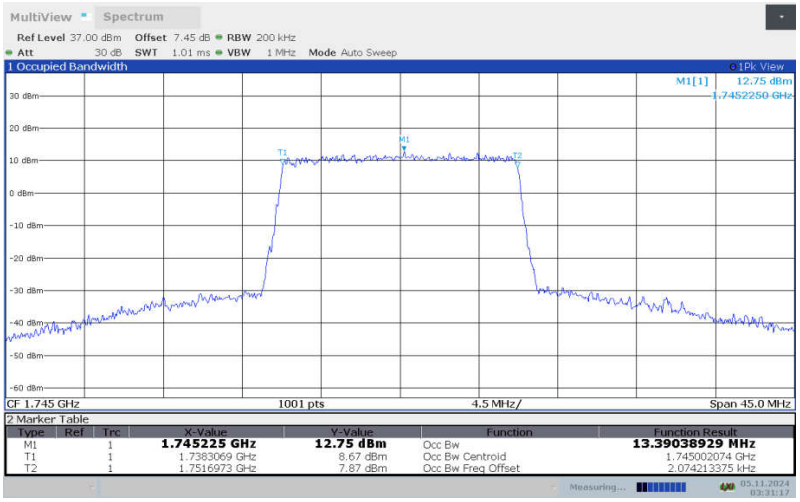


LTE band 66 , 15MHz Bandwidth, MID, 64QAM (99% BW)



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

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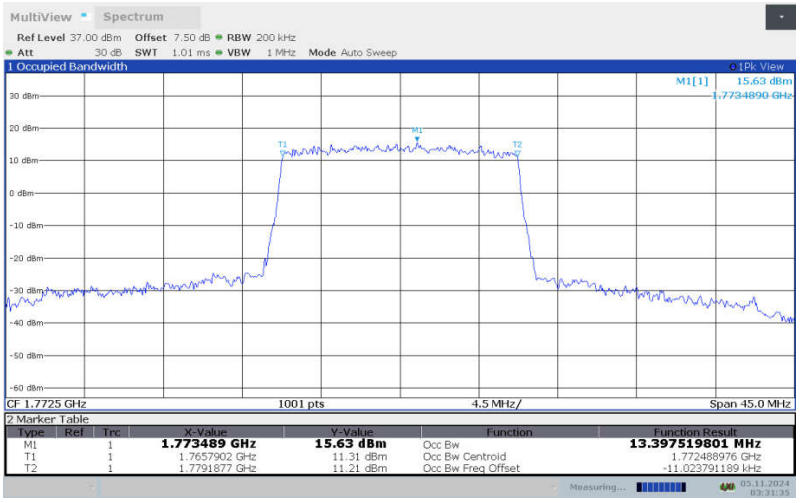
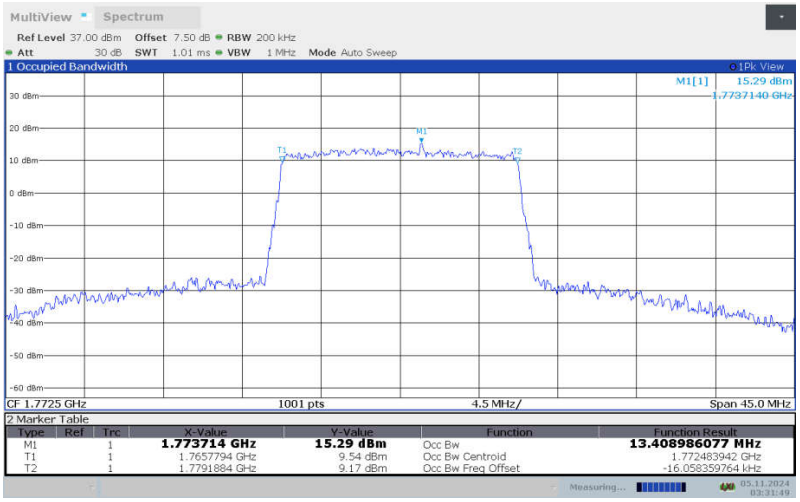


LTE band 66 , 15MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 66 , 15MHz Bandwidth, HIGH, 64QAM (99% BW)

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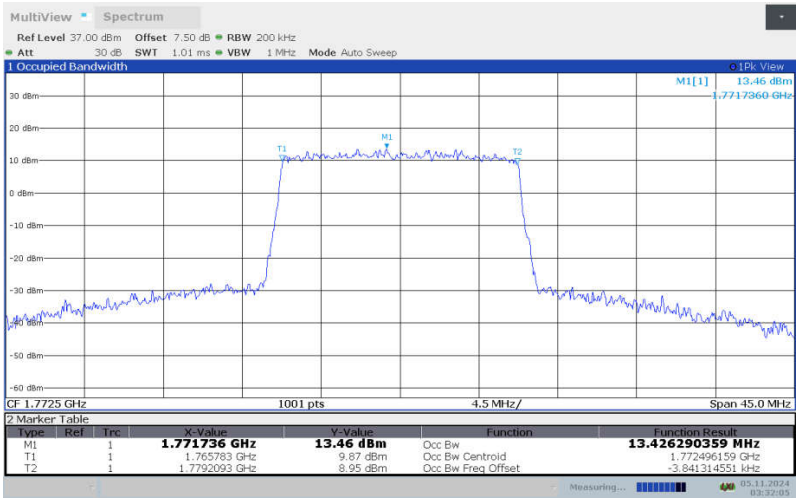

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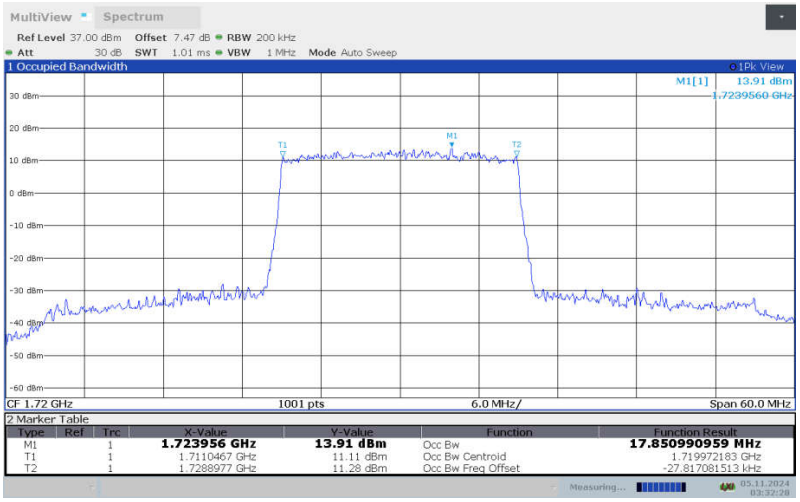
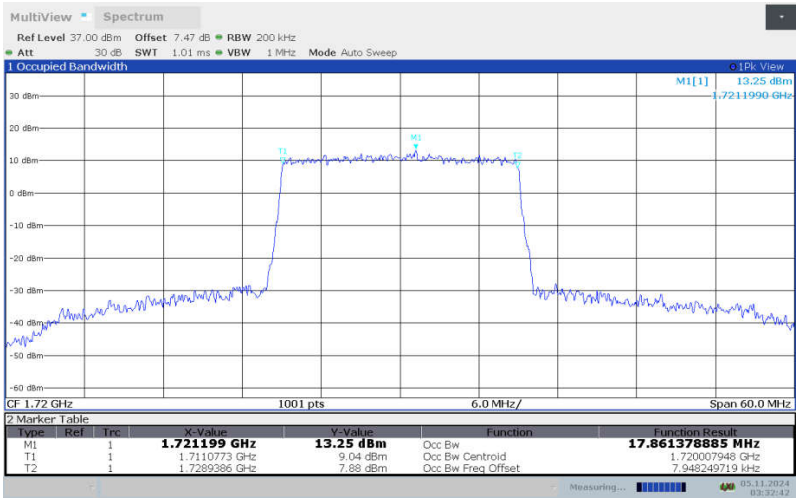
LTE band 66,20MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
1720	17.851	17.861	17.845
1745	17.829	17.833	17.850
1770	17.836	17.851	17.823

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



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



LTE band 66 , 20MHz Bandwidth, LOW, 64QAM (99% BW)

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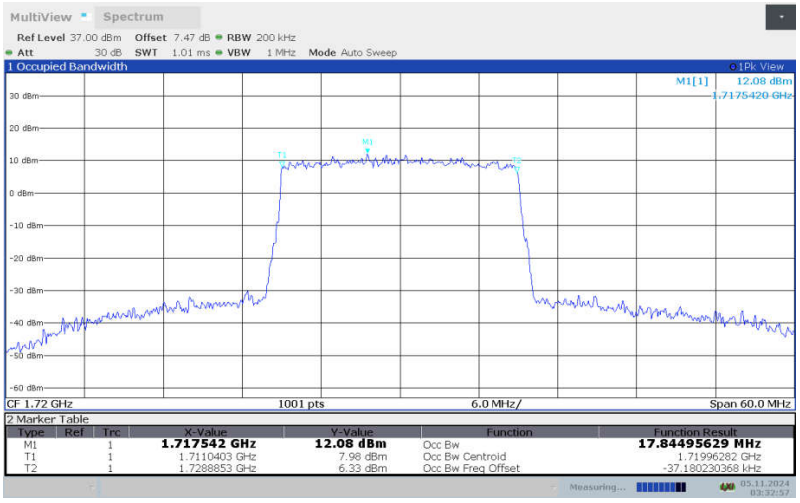
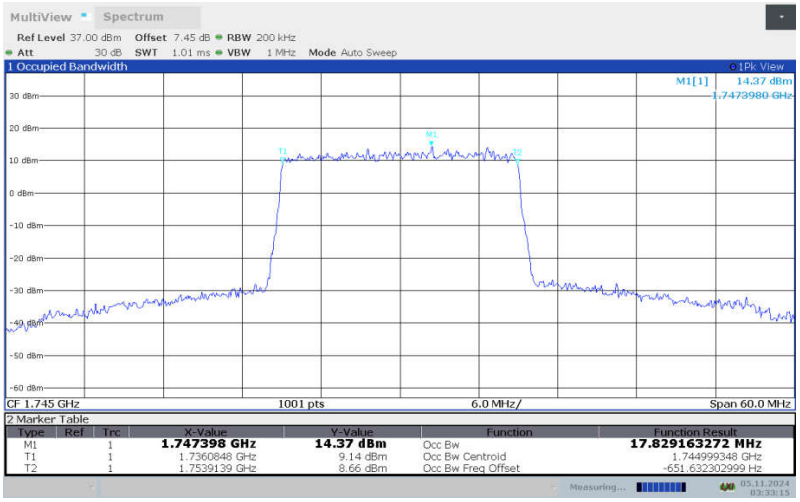


LTE band 66 , 20MHz Bandwidth, MID, QPSK (99% BW)



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

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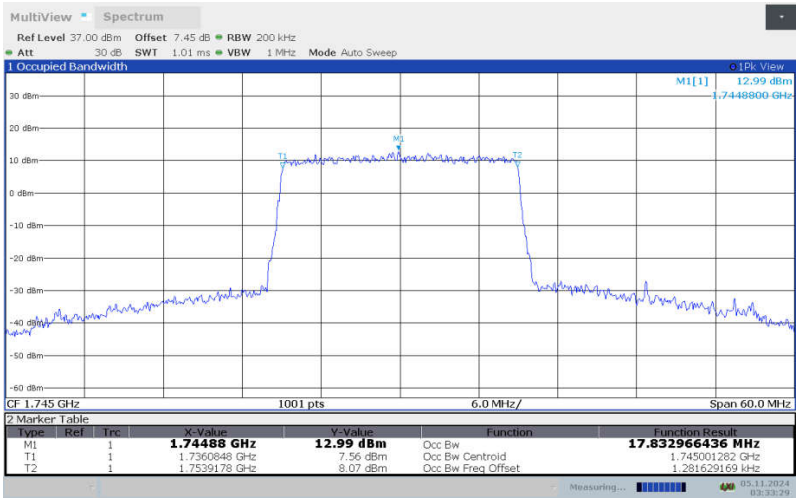
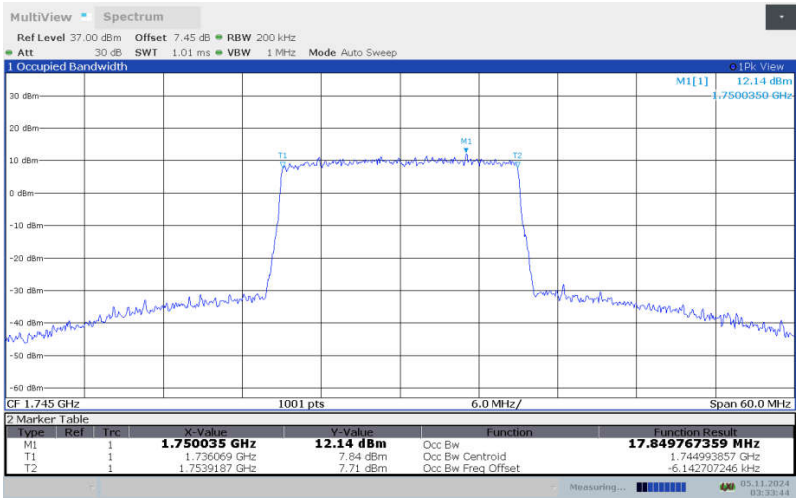


LTE band 66 , 20MHz Bandwidth, MID, 64QAM (99% BW)



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

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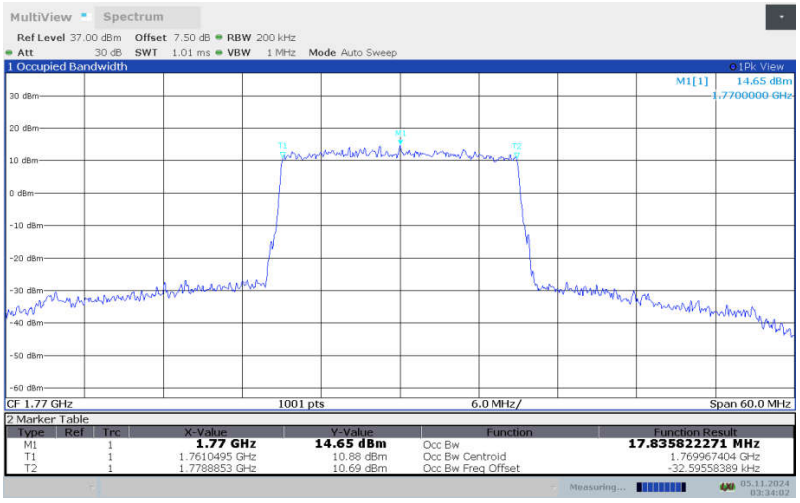
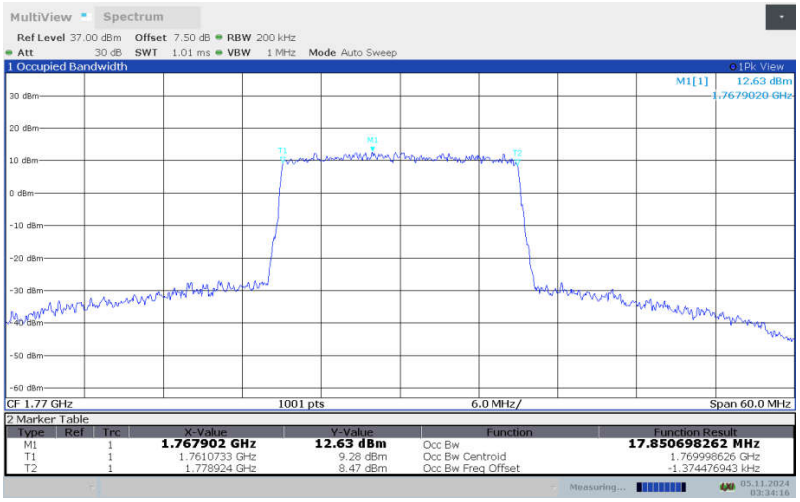


LTE band 66 , 20MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 66 , 20MHz Bandwidth, HIGH, 64QAM (99% BW)

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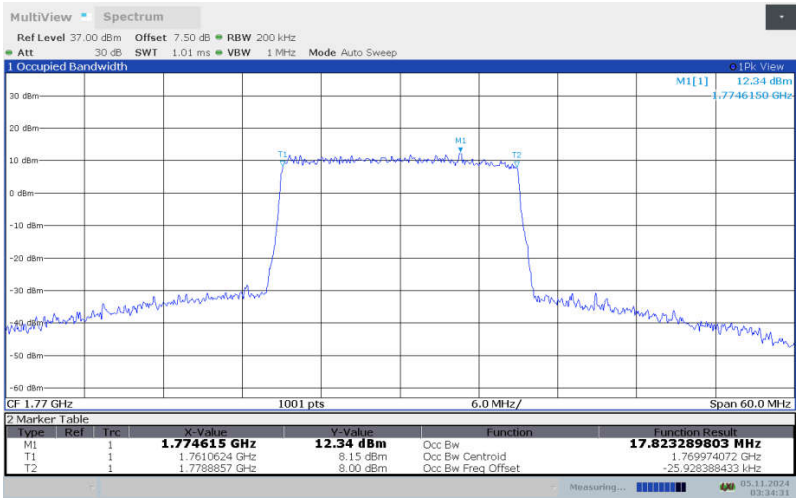

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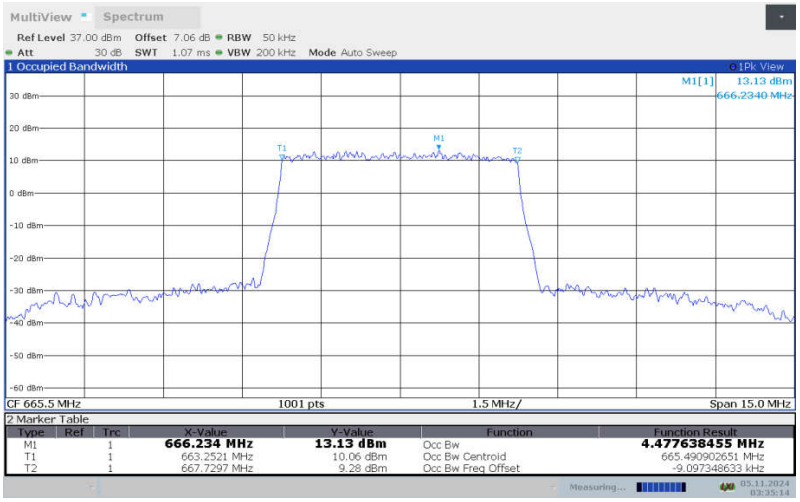
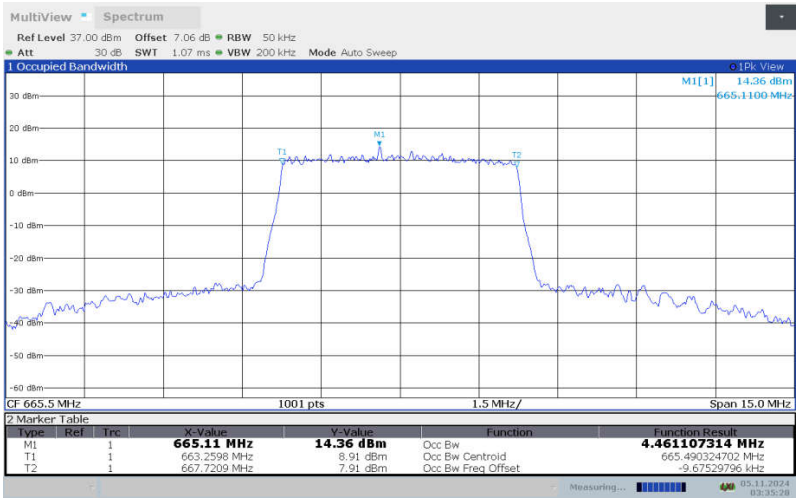
LTE band 71,5MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
665.5	4.478	4.461	4.461
680.5	4.477	4.477	4.471
695.5	4.461	4.470	4.462

LTE band 71 , 5MHz Bandwidth, LOW, QPSK (99% BW)



LTE band 71 , 5MHz Bandwidth, LOW, 16QAM (99% BW)



LTE band 71 , 5MHz Bandwidth, LOW, 64QAM (99% BW)

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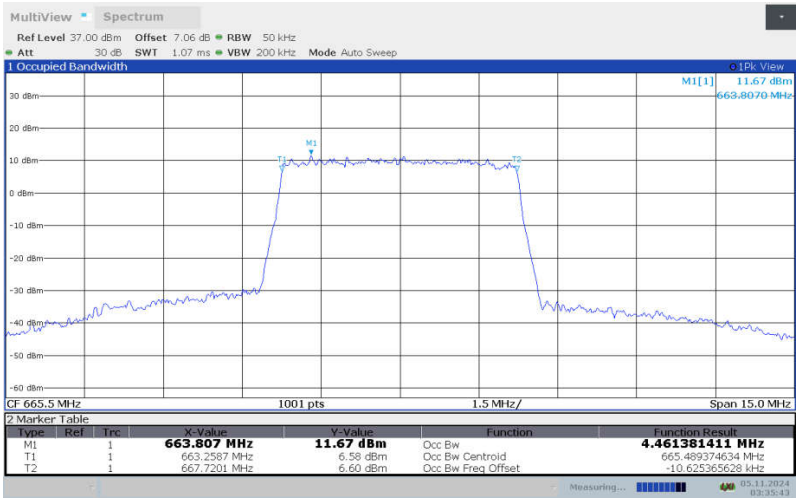
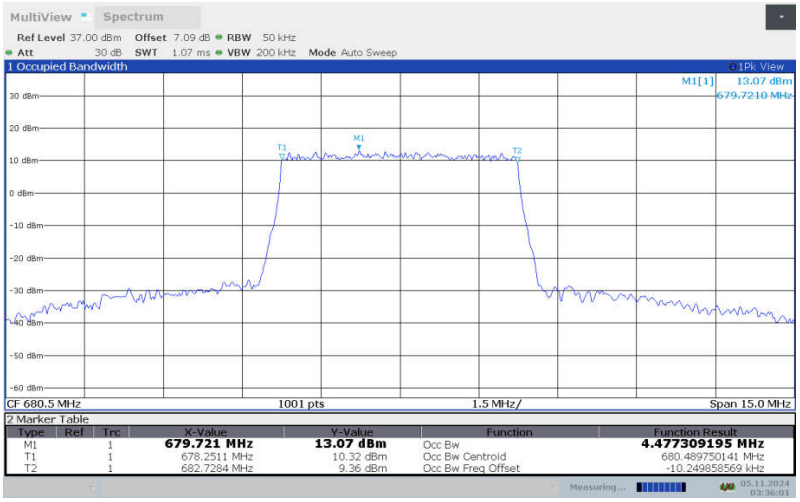


LTE band 71 , 5MHz Bandwidth, MID, QPSK (99% BW)



LTE band 71 , 5MHz Bandwidth, MID, 16QAM (99% BW)

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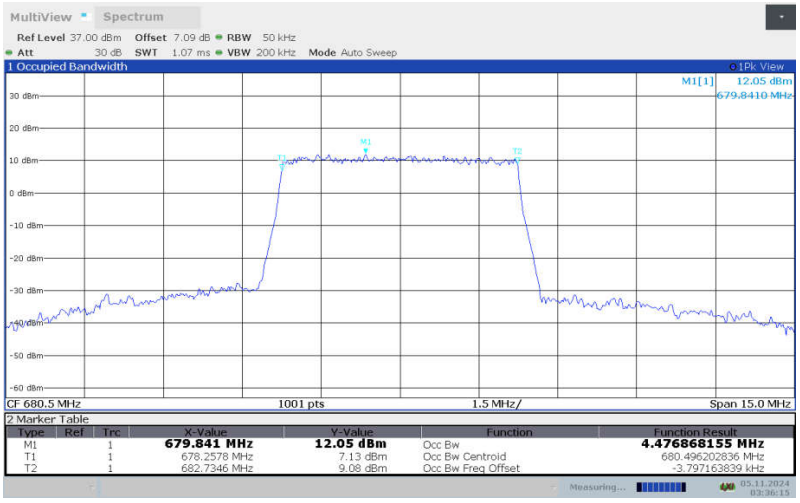
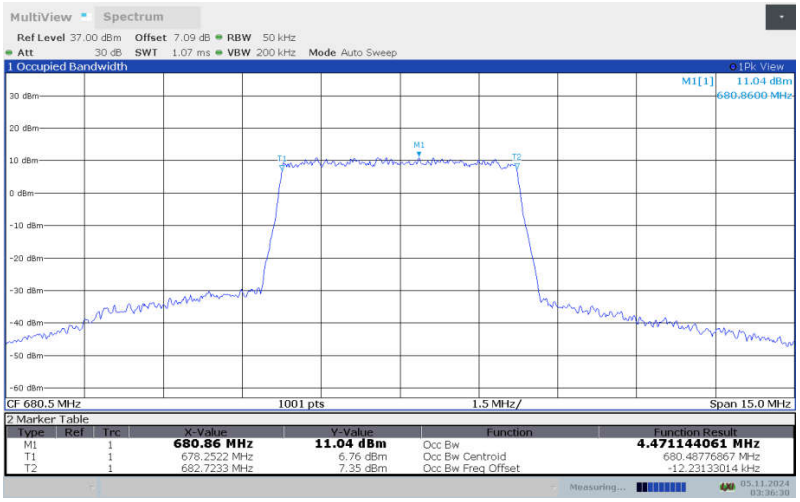


LTE band 71 , 5MHz Bandwidth, MID, 64QAM (99% BW)



LTE band 71 , 5MHz Bandwidth, HIGH, QPSK (99% BW)

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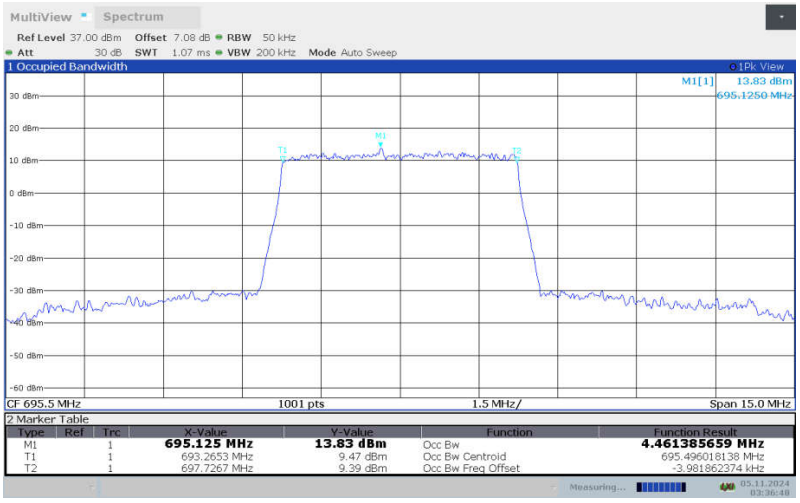
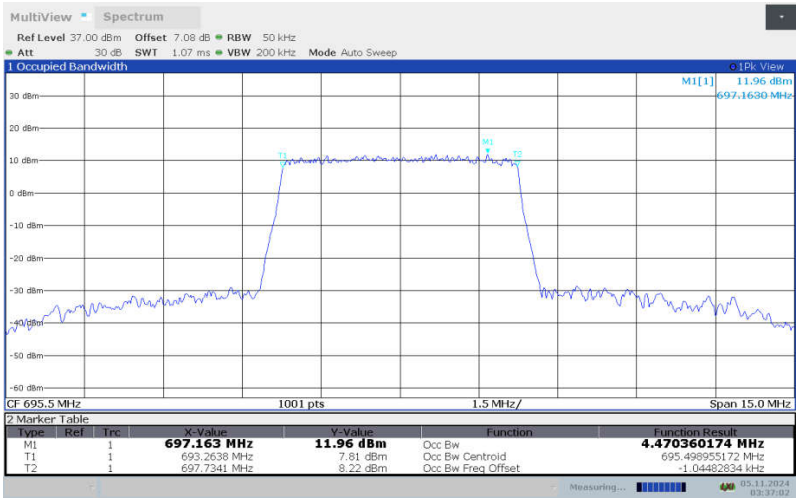


LTE band 71 , 5MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 71 , 5MHz Bandwidth, HIGH, 64QAM (99% BW)

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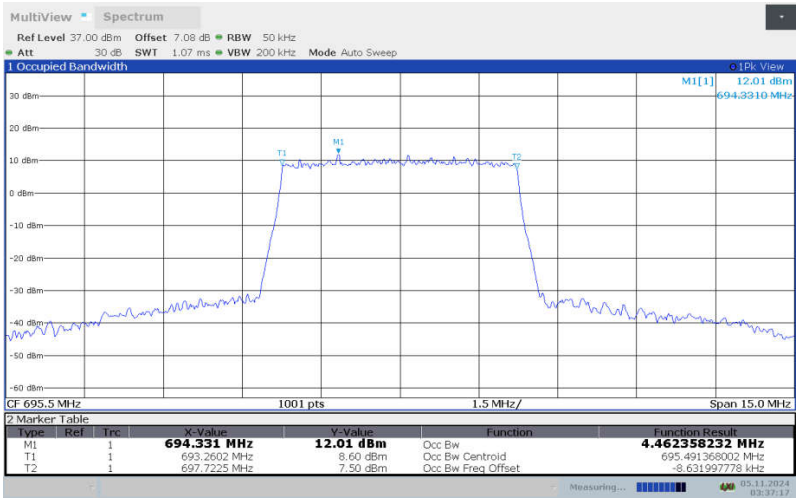

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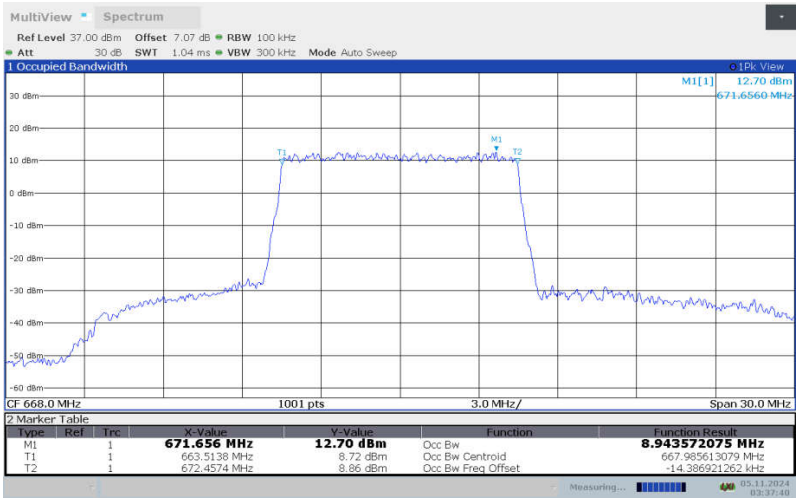
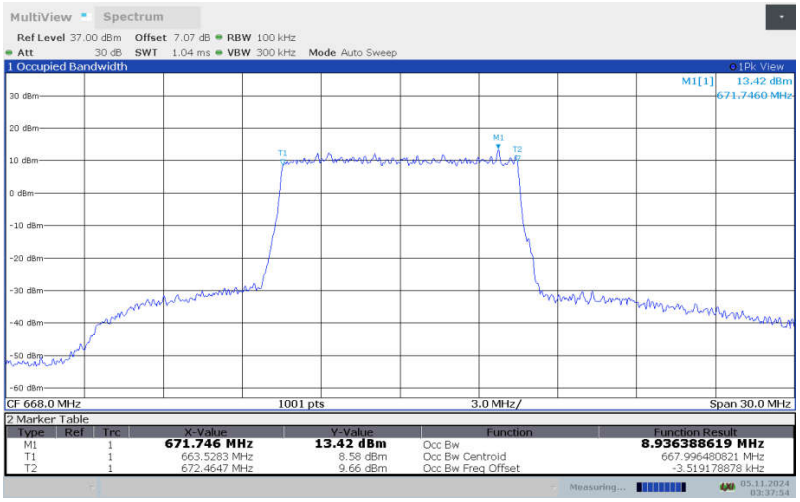
LTE band 71,10MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
668	8.944	8.936	8.948
680.5	8.929	8.918	8.915
693	8.935	8.929	8.943

LTE band 71 , 10MHz Bandwidth, LOW, QPSK (99% BW)



LTE band 71 , 10MHz Bandwidth, LOW, 16QAM (99% BW)



LTE band 71 , 10MHz Bandwidth, LOW, 64QAM (99% BW)

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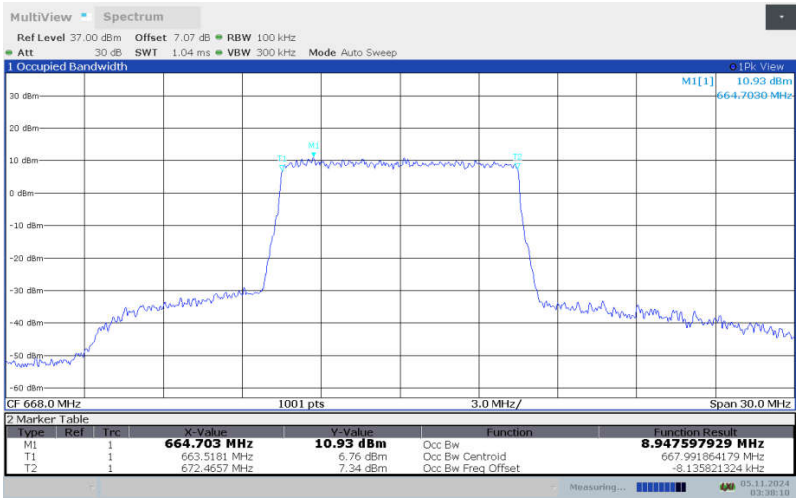
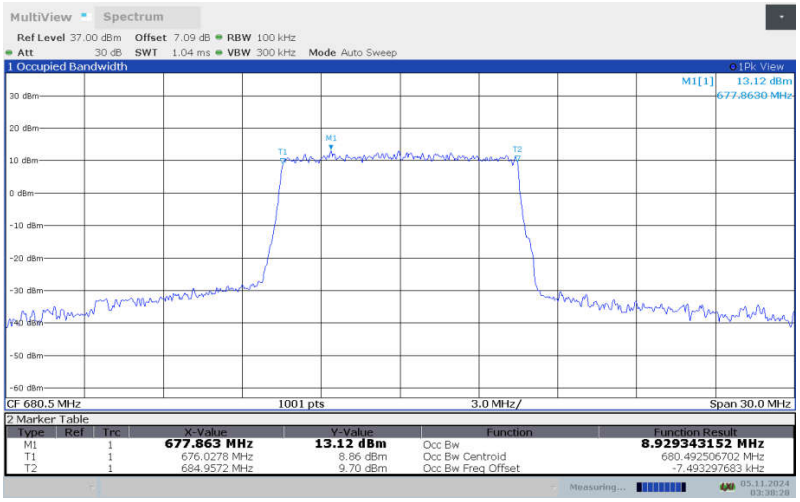


LTE band 71 , 10MHz Bandwidth, MID, QPSK (99% BW)



LTE band 71 , 10MHz Bandwidth, MID, 16QAM (99% BW)

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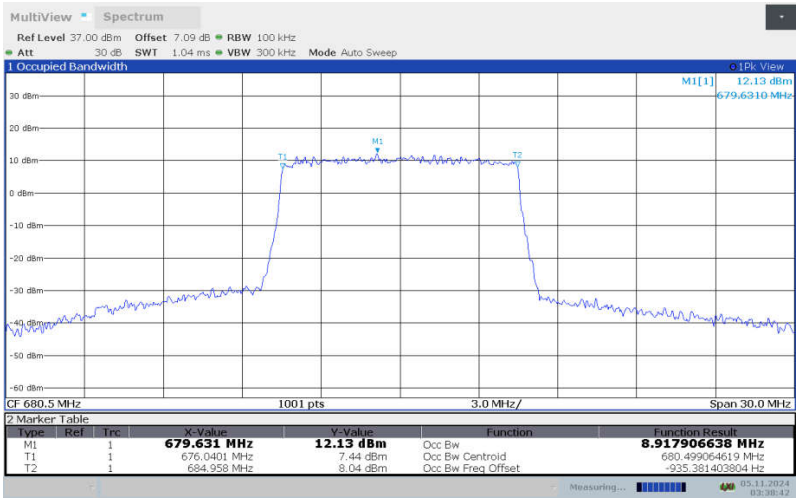
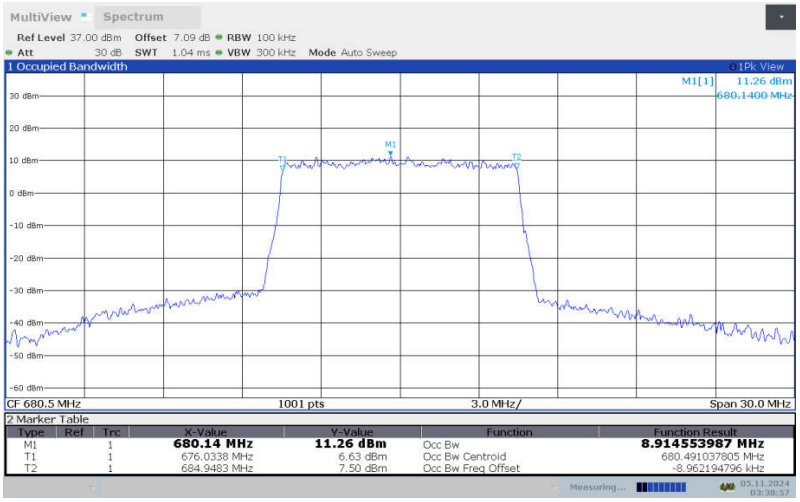


LTE band 71 , 10MHz Bandwidth, MID, 64QAM (99% BW)



LTE band 71 , 10MHz Bandwidth, HIGH, QPSK (99% BW)

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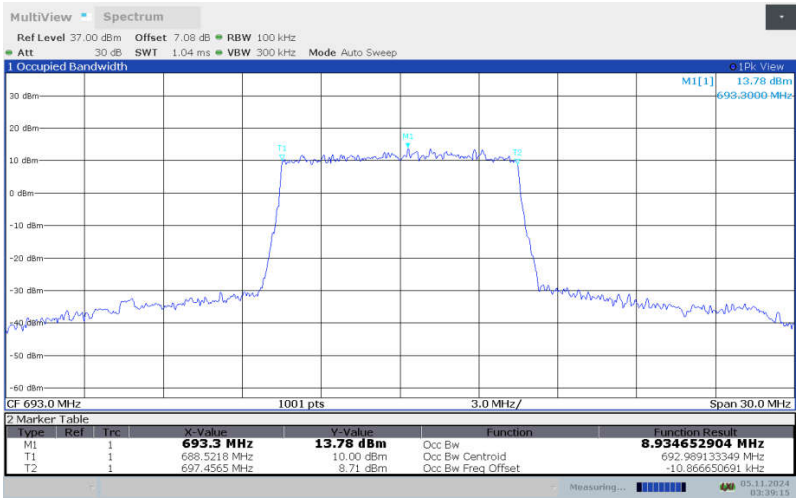
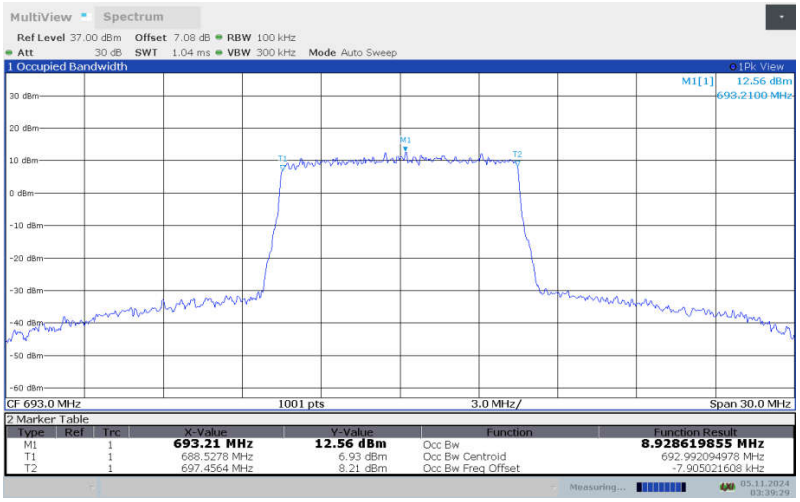


LTE band 71 , 10MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 71 , 10MHz Bandwidth, HIGH, 64QAM (99% BW)

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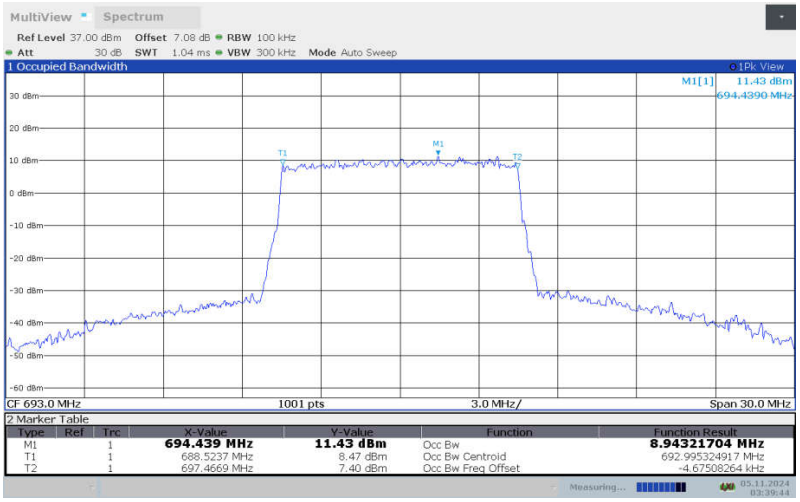

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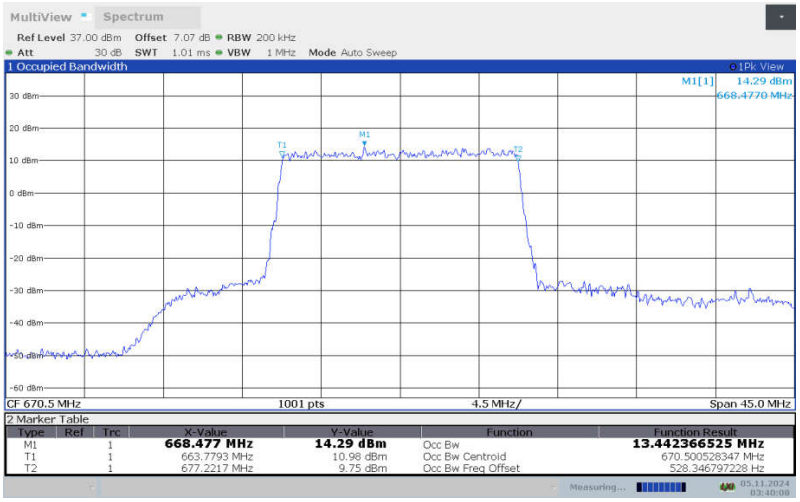
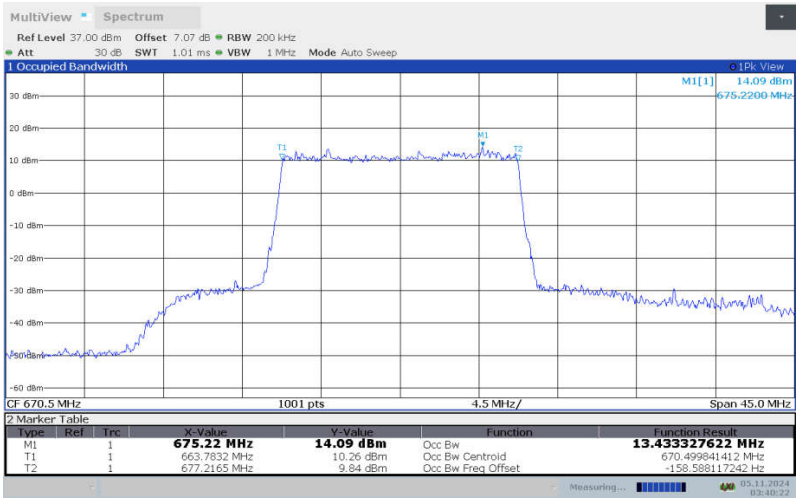
LTE band 71,15MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
670.5	13.442	13.433	13.411
680.5	13.390	13.371	13.361
690.5	13.409	13.417	13.422

LTE band 71 , 15MHz Bandwidth, LOW, QPSK (99% BW)



LTE band 71 , 15MHz Bandwidth, LOW, 16QAM (99% BW)



LTE band 71 , 15MHz Bandwidth, LOW, 64QAM (99% BW)

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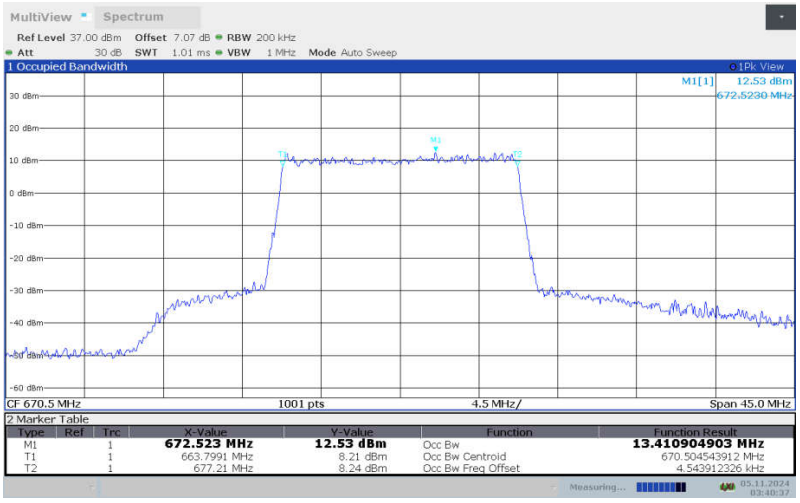
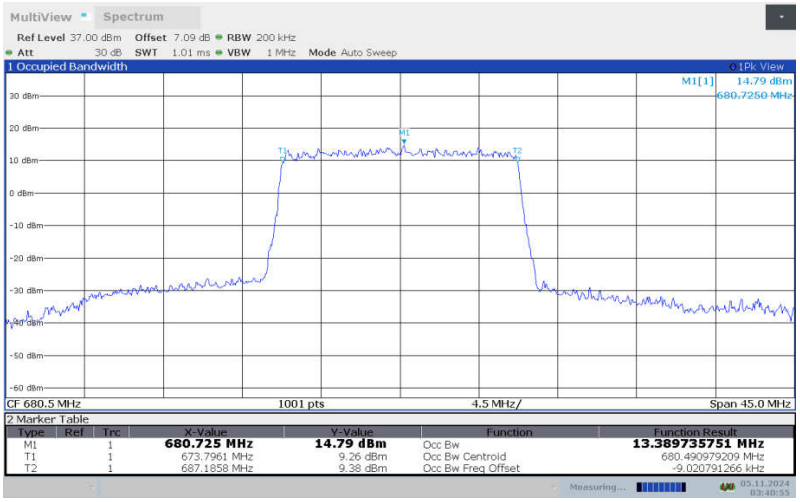


LTE band 71 , 15MHz Bandwidth, MID, QPSK (99% BW)



LTE band 71 , 15MHz Bandwidth, MID, 16QAM (99% BW)

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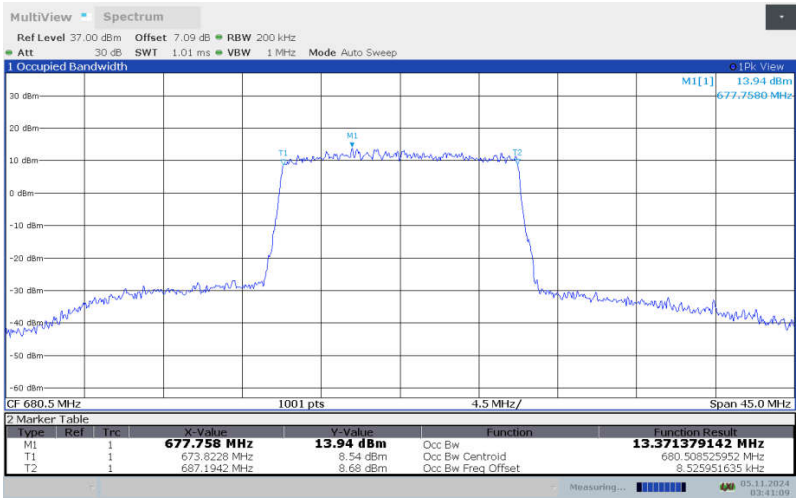
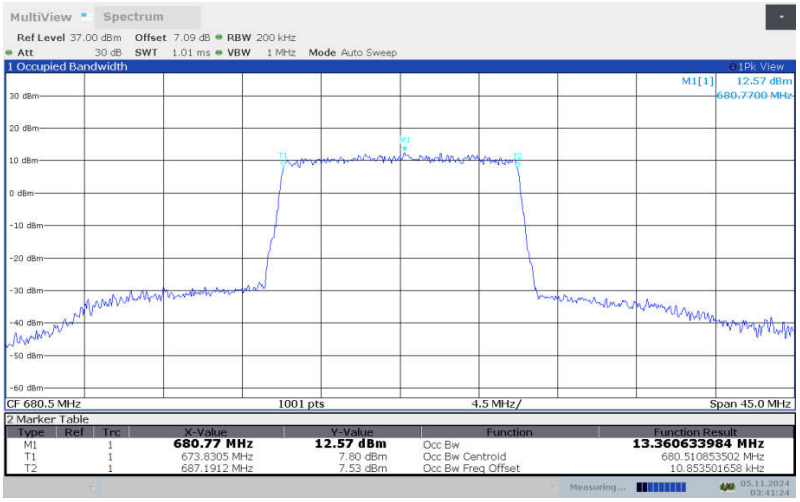


LTE band 71 , 15MHz Bandwidth, MID, 64QAM (99% BW)



LTE band 71 , 15MHz Bandwidth, HIGH, QPSK (99% BW)

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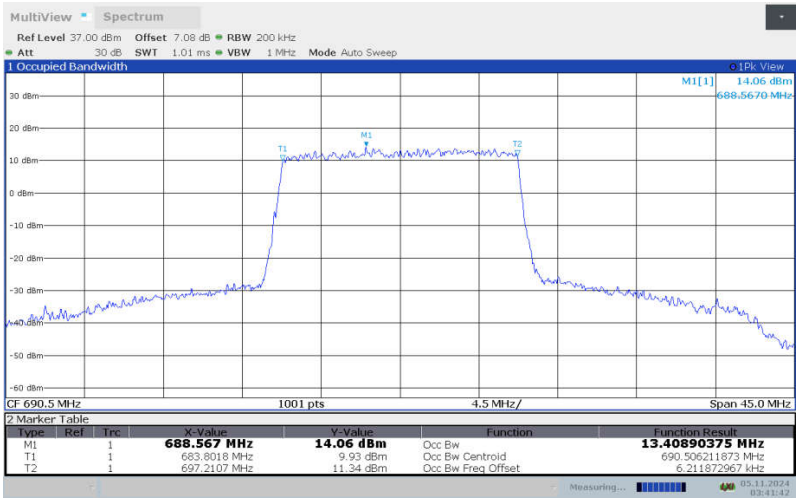
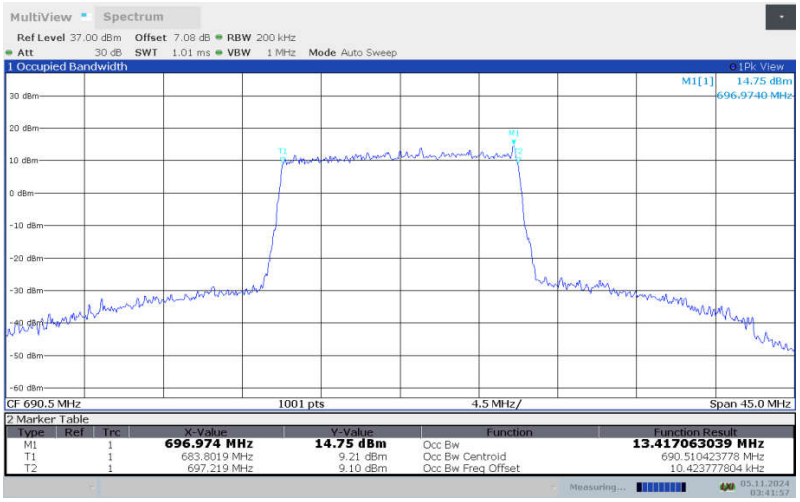


LTE band 71 , 15MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 71 , 15MHz Bandwidth, HIGH, 64QAM (99% BW)

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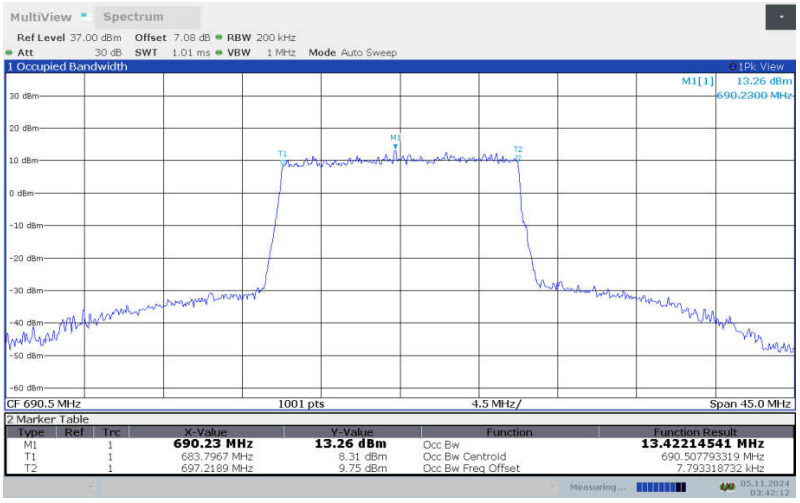

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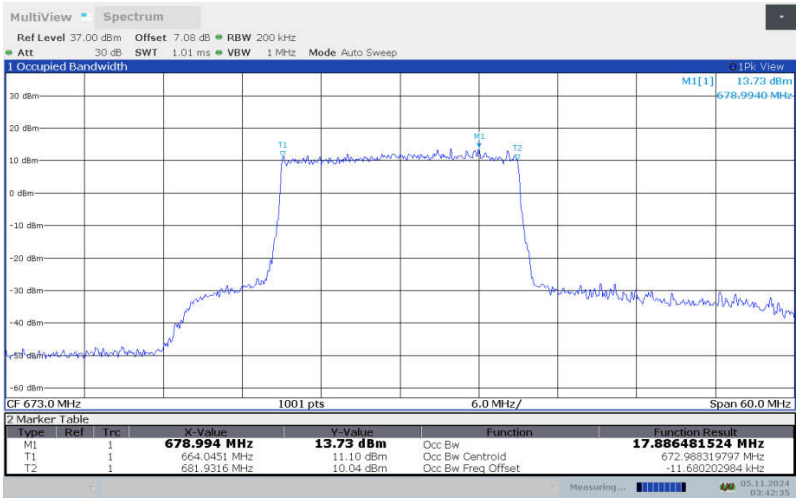
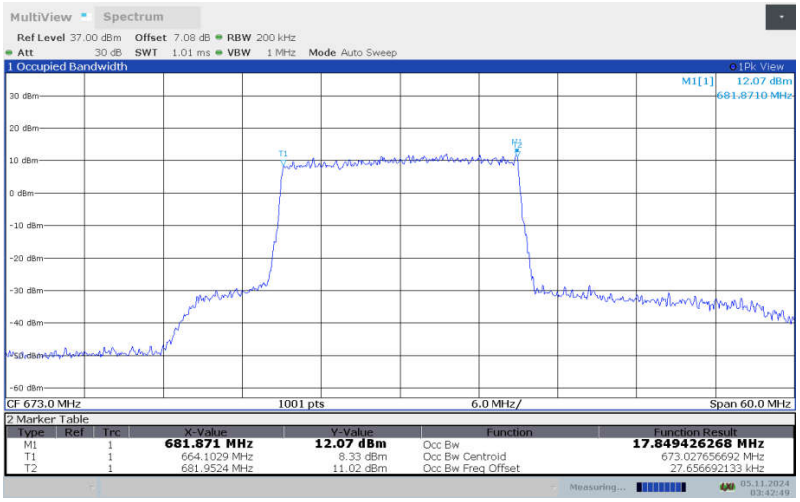
LTE band 71,20MHz(99% OBW)

Frequency (MHz)	Occupied Bandwidth (99% OBW)(MHz)		
	QPSK	16QAM	64QAM
673	17.886	17.849	17.859
683	17.801	17.842	17.810
688	17.839	17.850	17.849

LTE band 71 , 20MHz Bandwidth, LOW, QPSK (99% BW)



LTE band 71 , 20MHz Bandwidth, LOW, 16QAM (99% BW)



LTE band 71 , 20MHz Bandwidth, LOW, 64QAM (99% BW)

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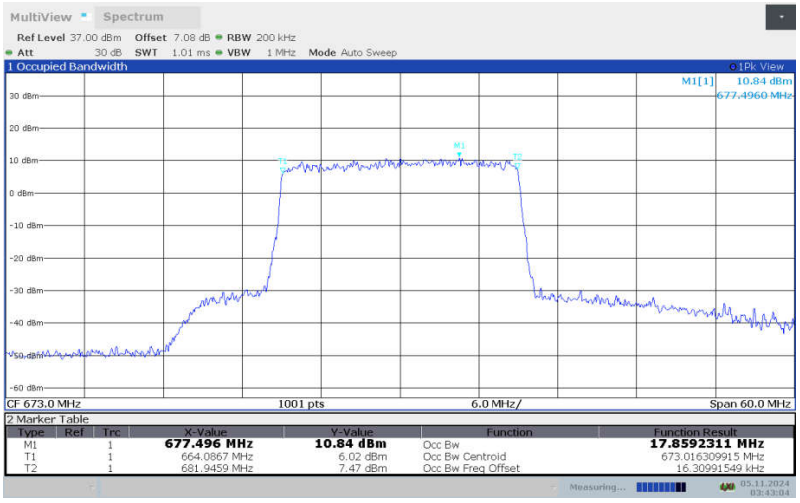
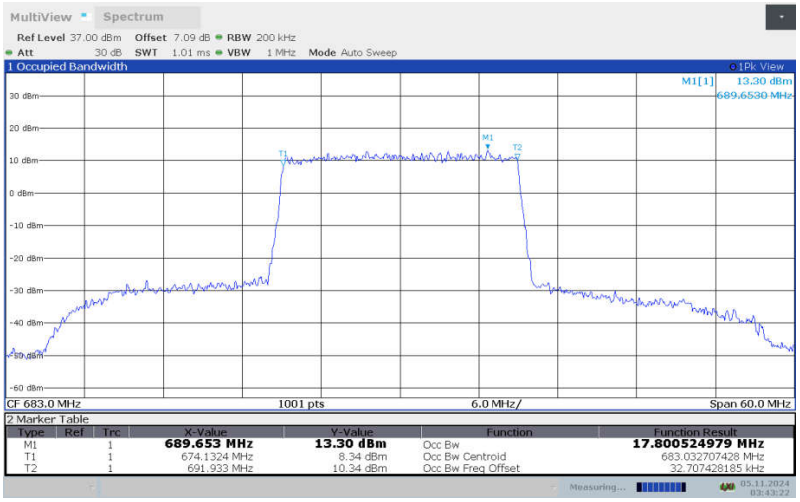


LTE band 71 , 20MHz Bandwidth, MID, QPSK (99% BW)



LTE band 71 , 20MHz Bandwidth, MID, 16QAM (99% BW)

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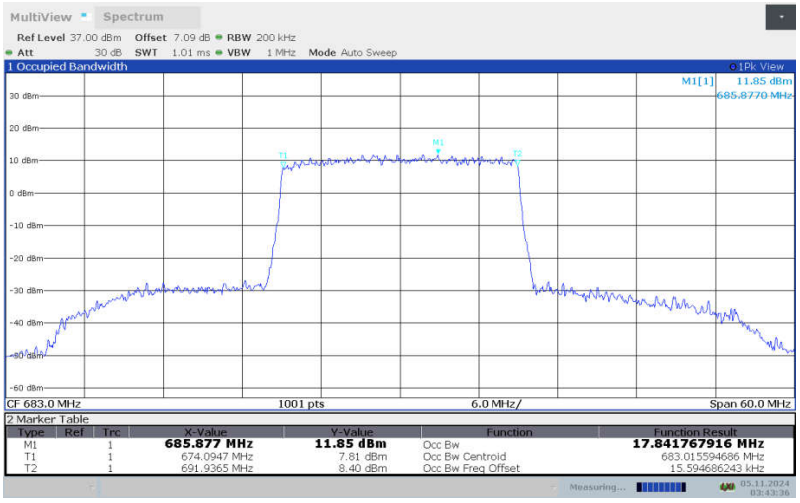
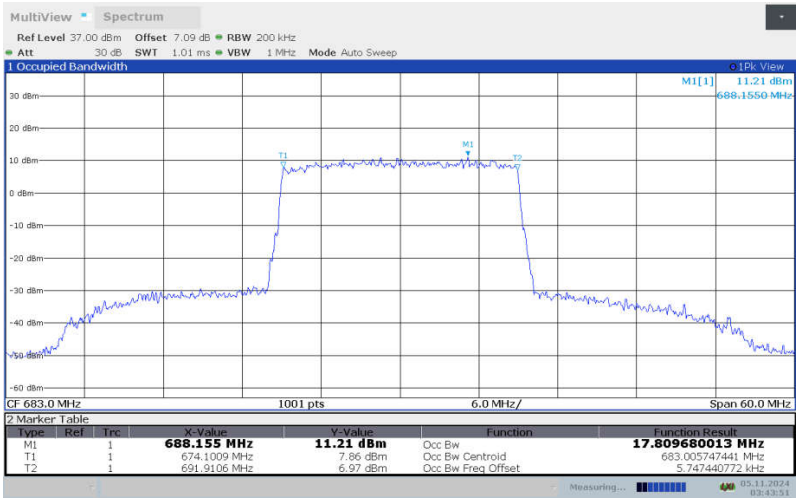


LTE band 71 , 20MHz Bandwidth, MID, 64QAM (99% BW)



LTE band 71 , 20MHz Bandwidth, HIGH, QPSK (99% BW)

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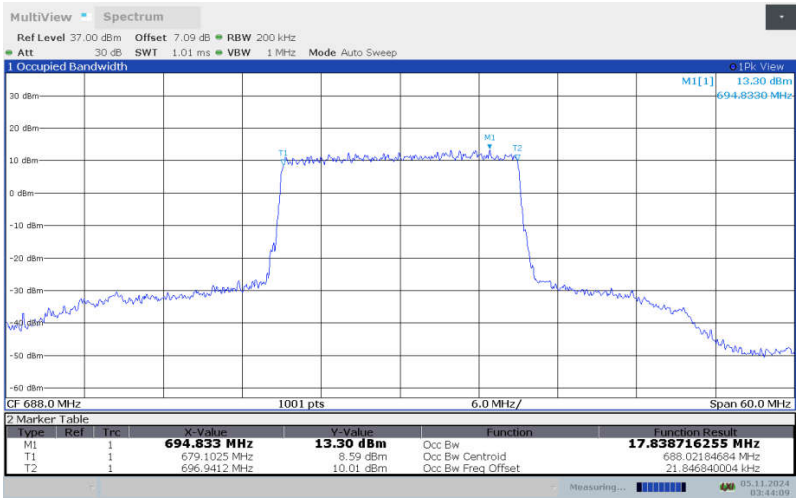
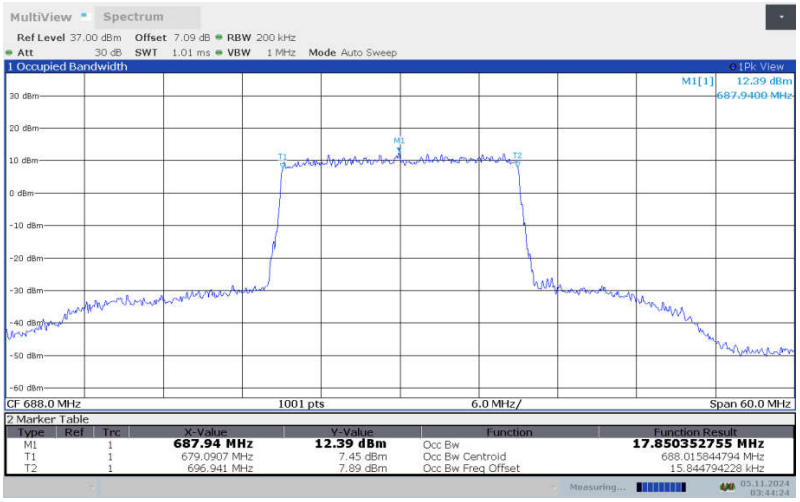


LTE band 71 , 20MHz Bandwidth, HIGH, 16QAM (99% BW)



LTE band 71 , 20MHz Bandwidth, HIGH, 64QAM (99% BW)

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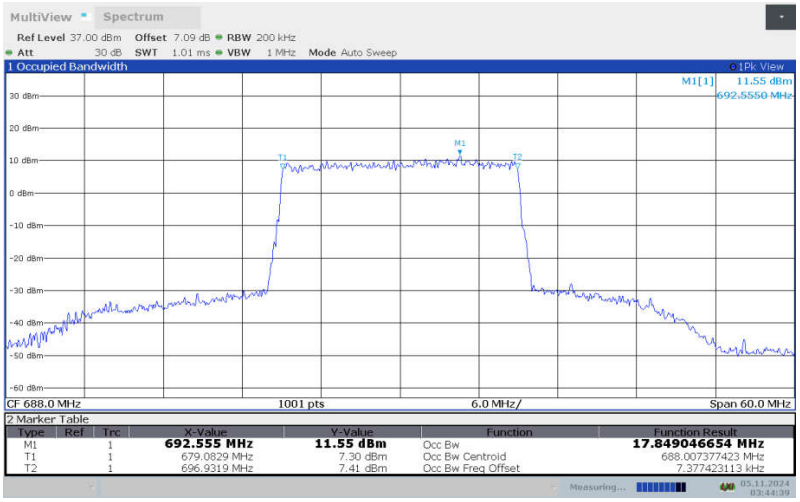

Note: Expanded measurement uncertainty is U = 3428 Hz, k = 2

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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. Table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

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.

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

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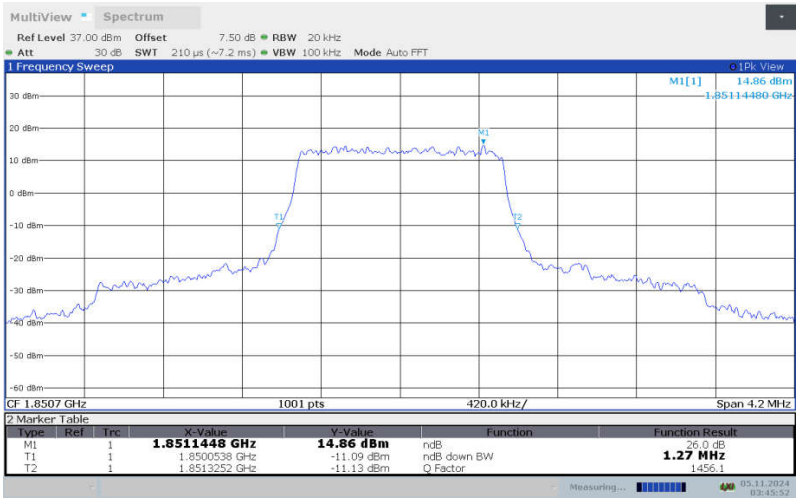
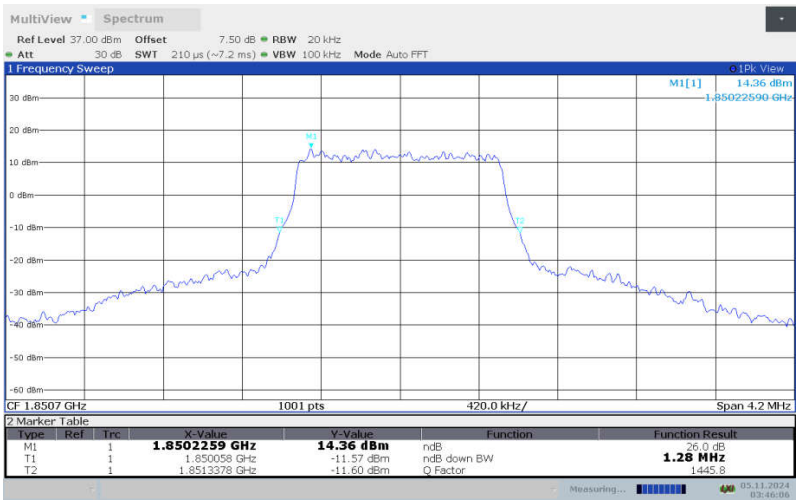
LTE band 2, 1.4MHz (-26Bc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc OBW)(MHz)		
	QPSK	16QAM	64QAM
1850.7	1.271	1.280	1.284
1880	1.271	1.288	1.288
1909.3	1.296	1.267	1.280

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



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



LTE band 2 , 1.4MHz Bandwidth, LOW, 64QAM (-26dBc BW)

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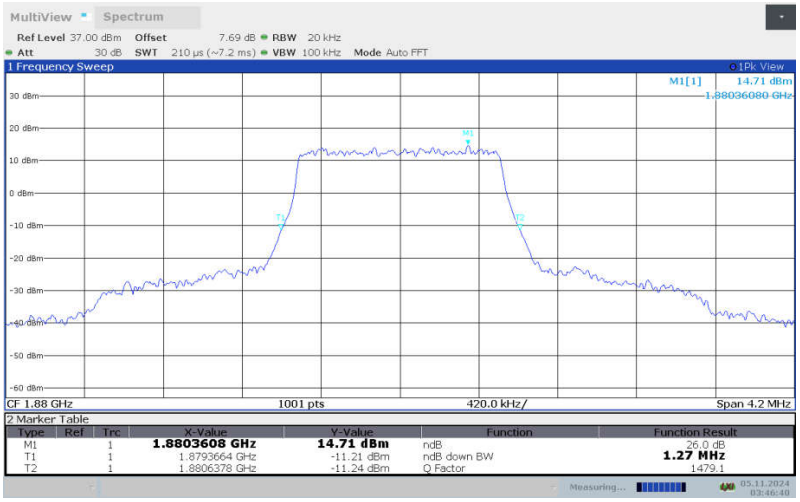
LTE band 2 , 1.4MHz Bandwidth, MID, QPSK (-26dBc BW)



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

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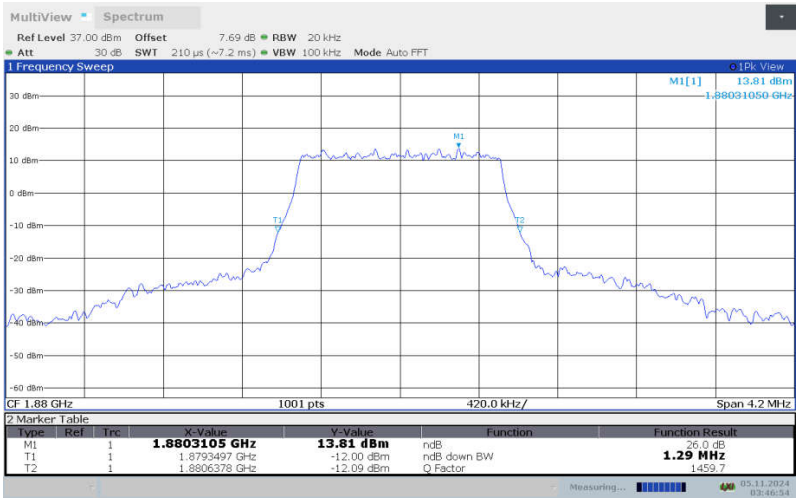
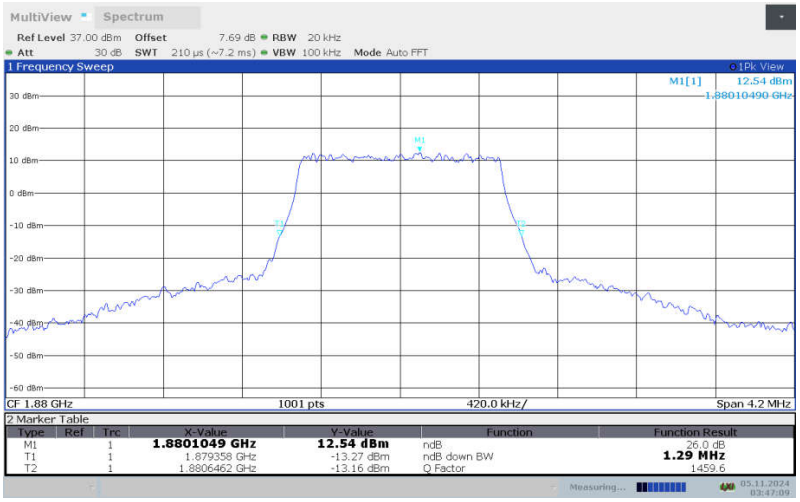


LTE band 2 , 1.4MHz Bandwidth, MID, 64QAM (-26dBc BW)



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

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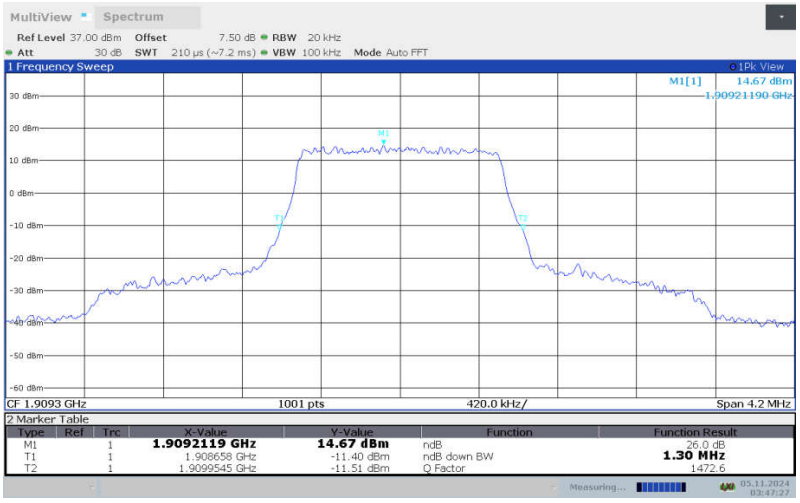
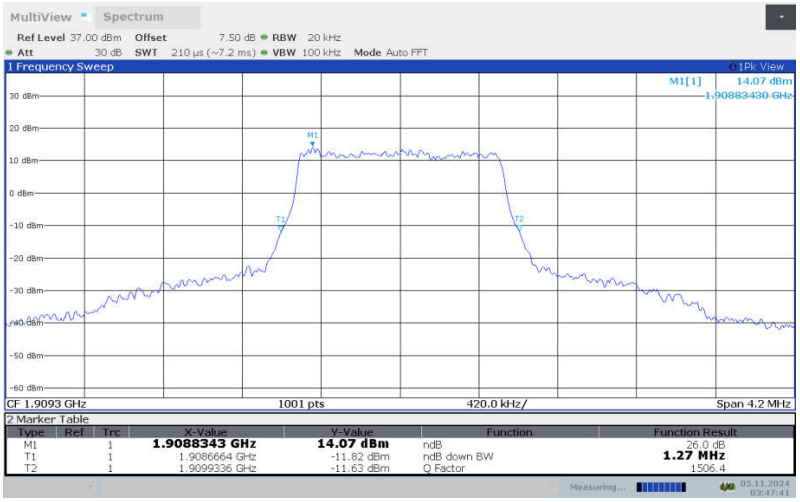


LTE band 2 , 1.4MHz Bandwidth, HIGH, 16QAM (-26dBc BW)



LTE band 2 , 1.4MHz Bandwidth, HIGH, 64QAM (-26dBc BW)

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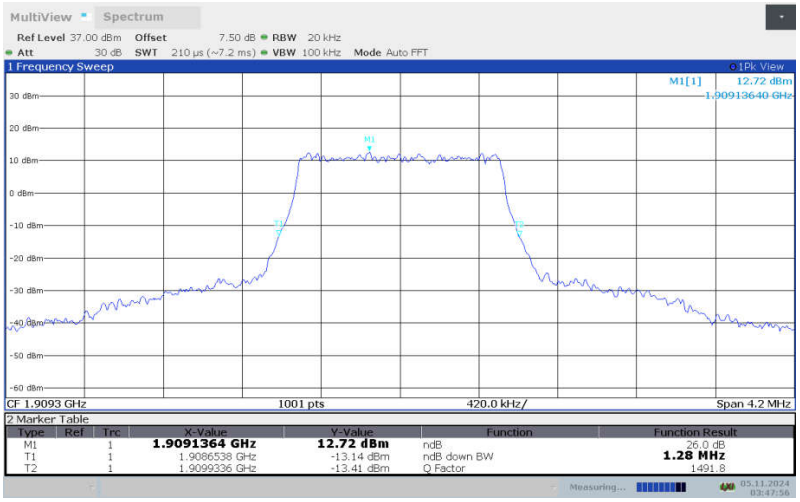

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