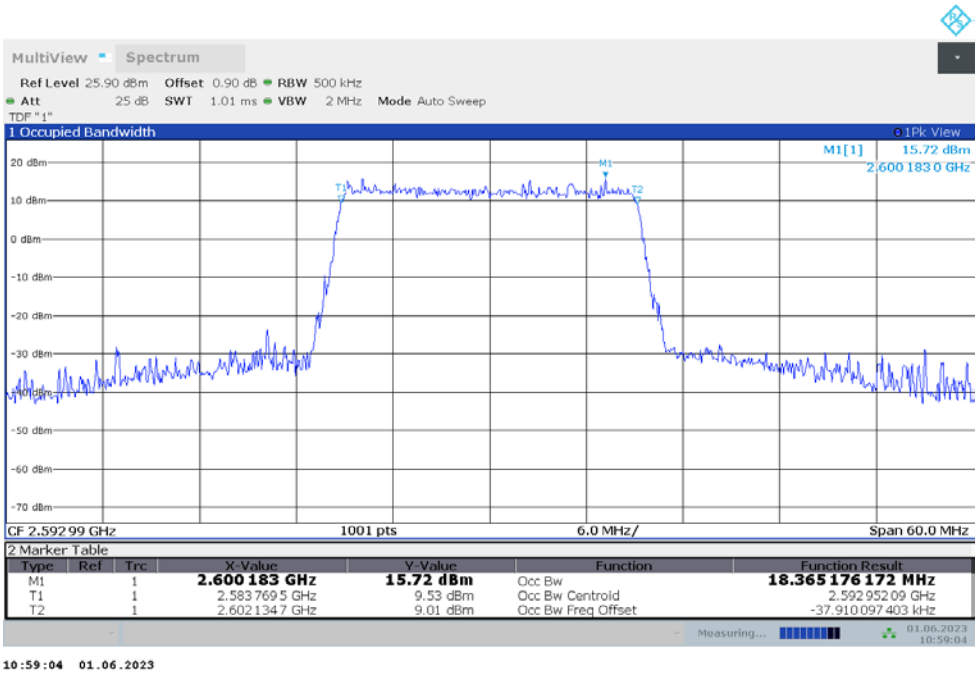
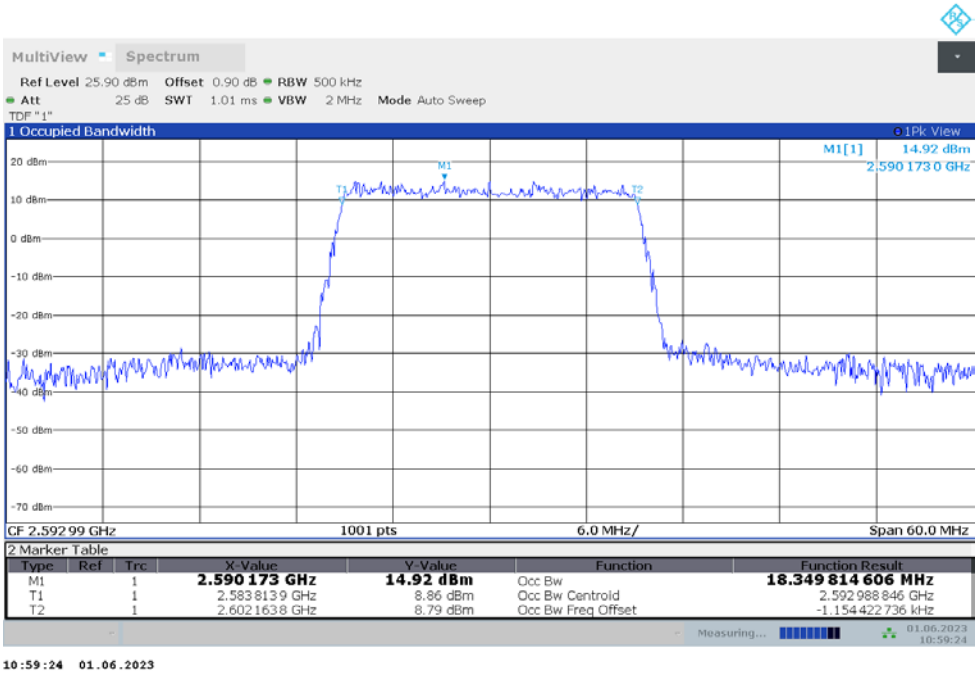
n41-MIMO,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
2592.99	18.322	18.350

n41,20MHz Bandwidth,CP QPSK (99% BW)



n41,20MHz Bandwidth,CP 16QAM (99% BW)



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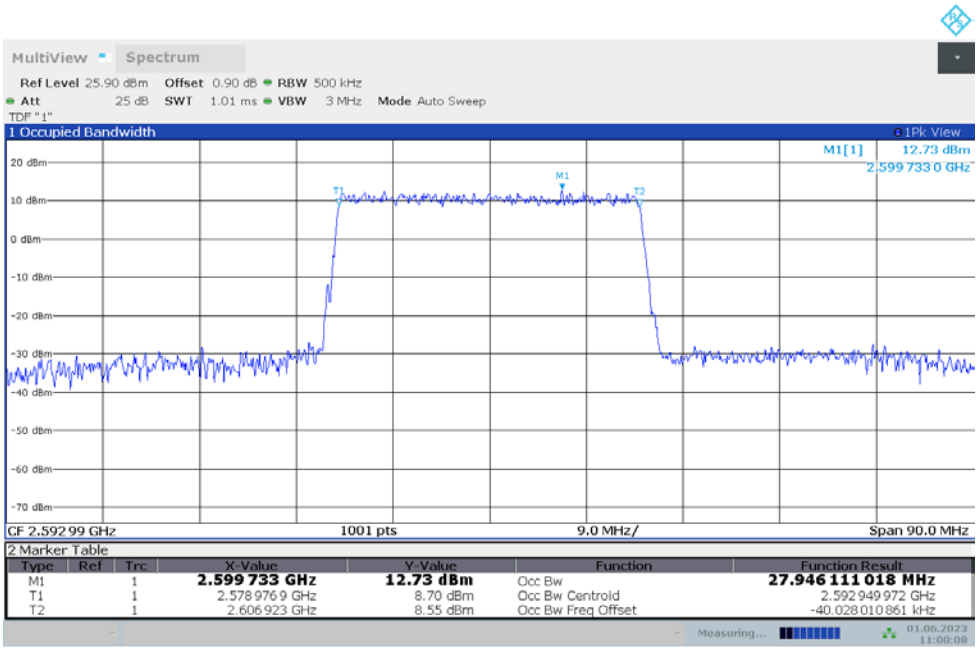
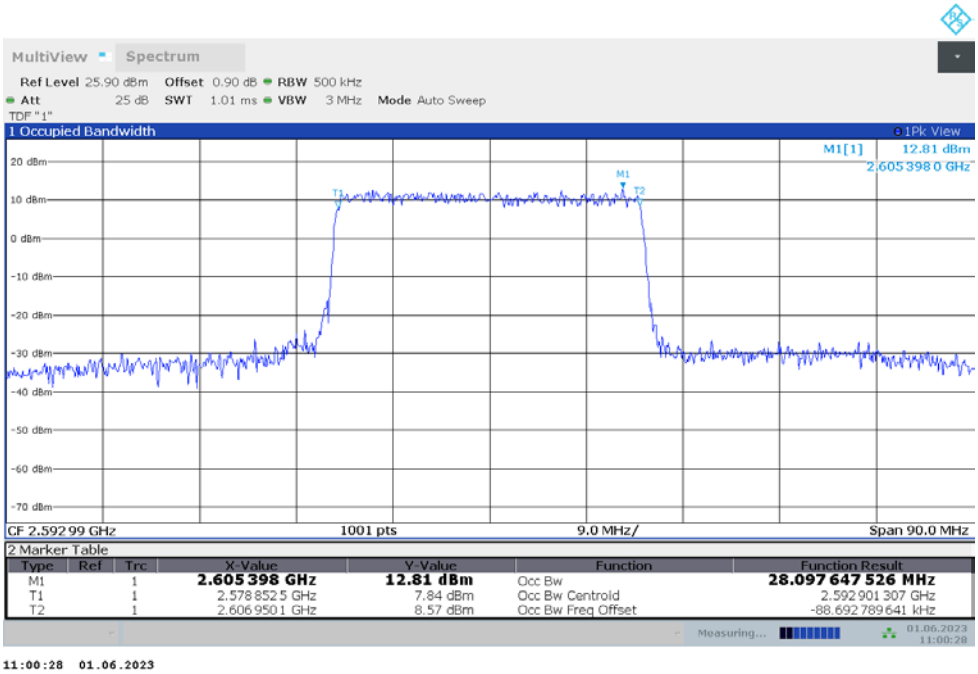
n41-MIMO,30MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
2592.99	27.832	27.883

n41,30MHz Bandwidth,CP QPSK (99% BW)



n41,30MHz Bandwidth,CP 16QAM (99% BW)



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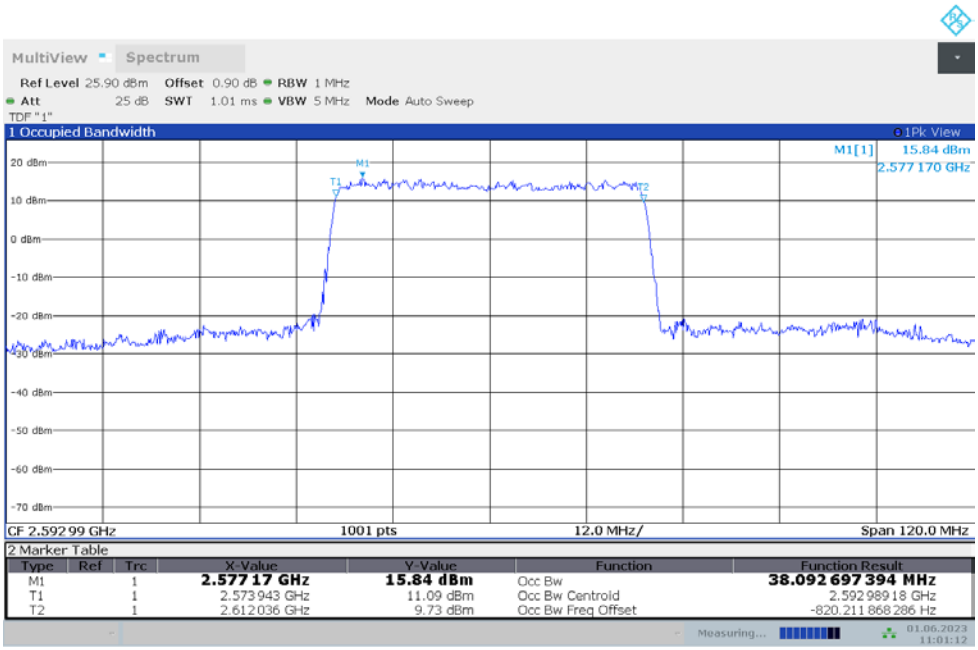
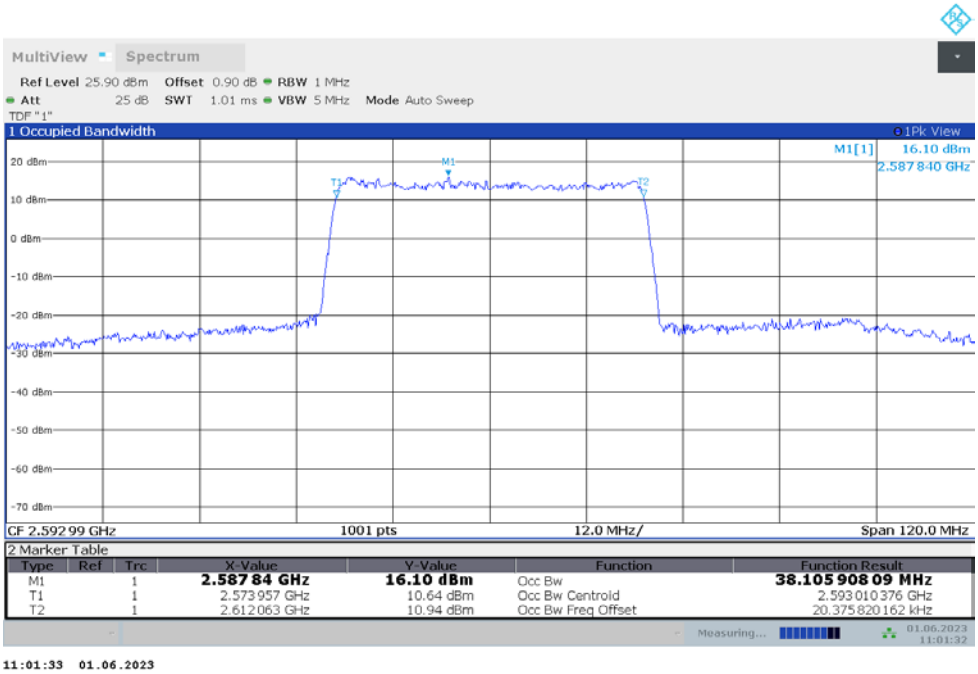
n41-MIMO,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
2592.99	38.149	38.094

n41,40MHz Bandwidth,CP QPSK (99% BW)



n41,40MHz Bandwidth,CP 16QAM (99% BW)



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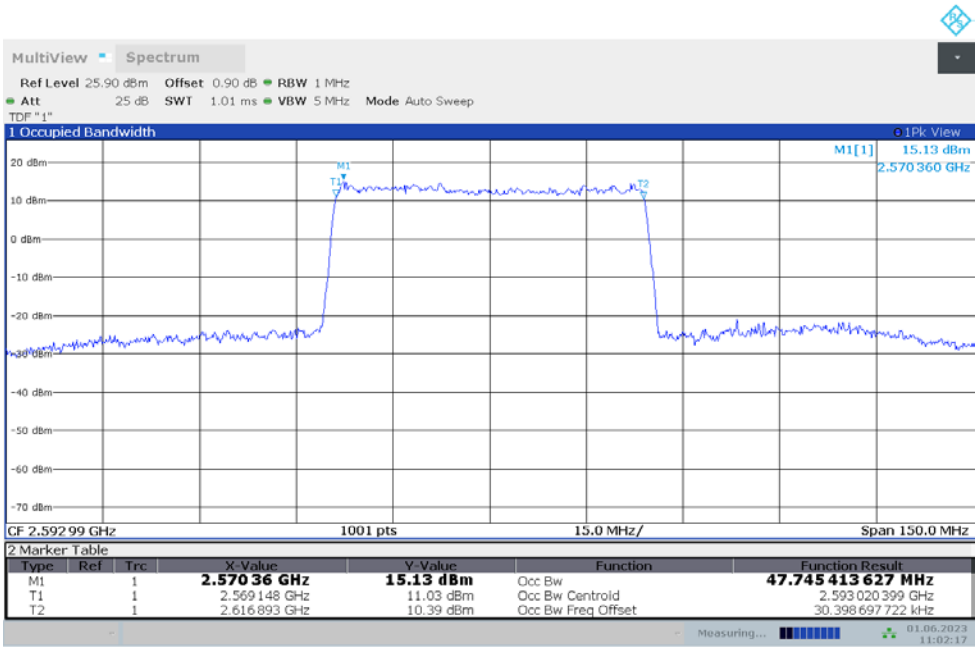
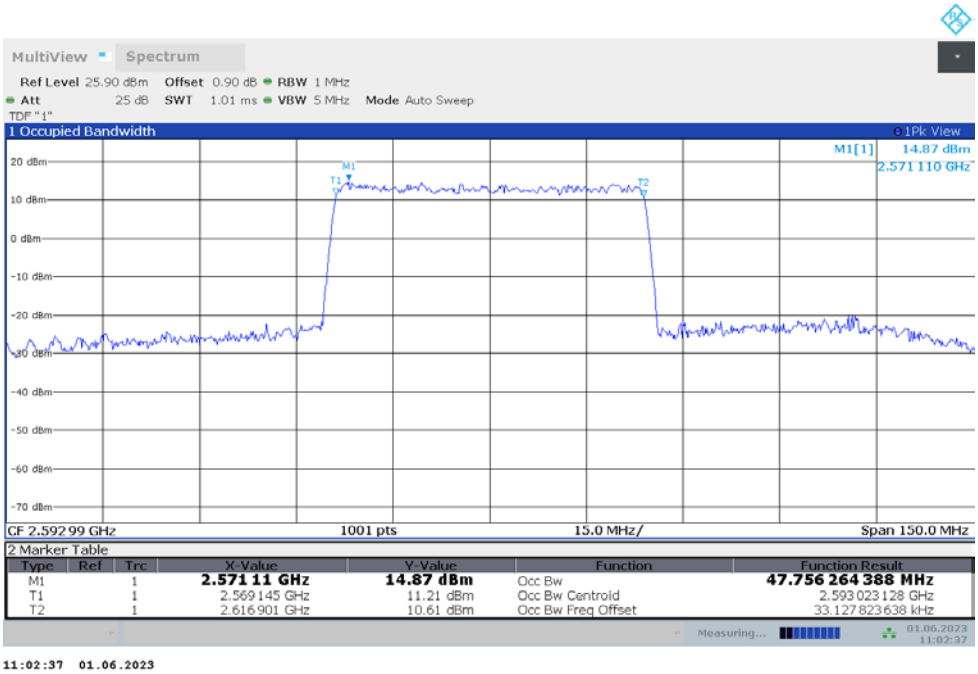
n41-MIMO,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
2592.99	47.684	47.687

n41,50MHz Bandwidth,CP QPSK (99% BW)



n41,50MHz Bandwidth,CP 16QAM (99% BW)



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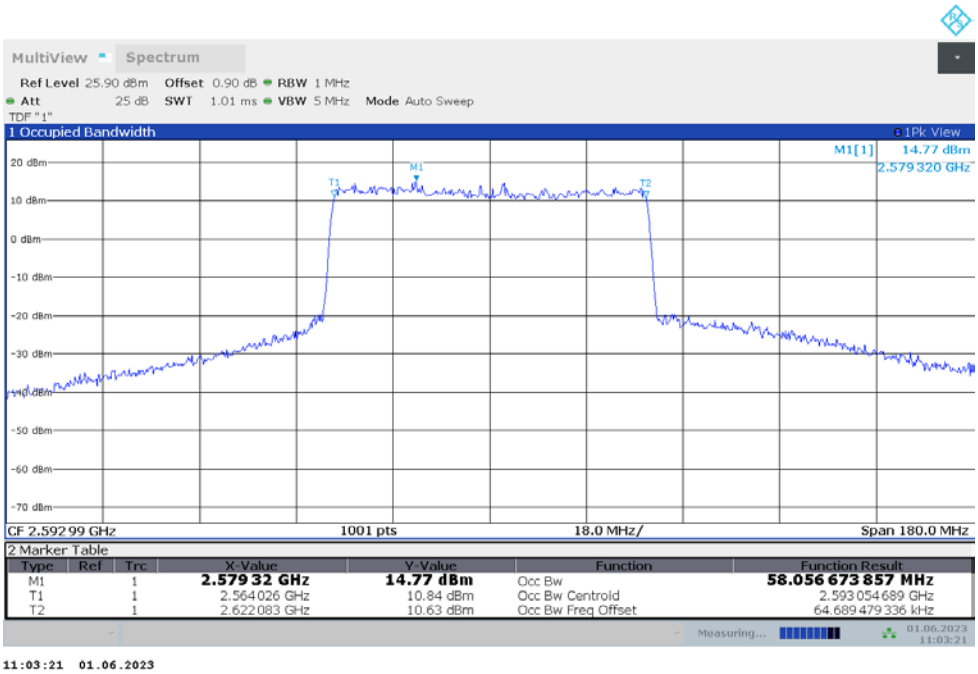
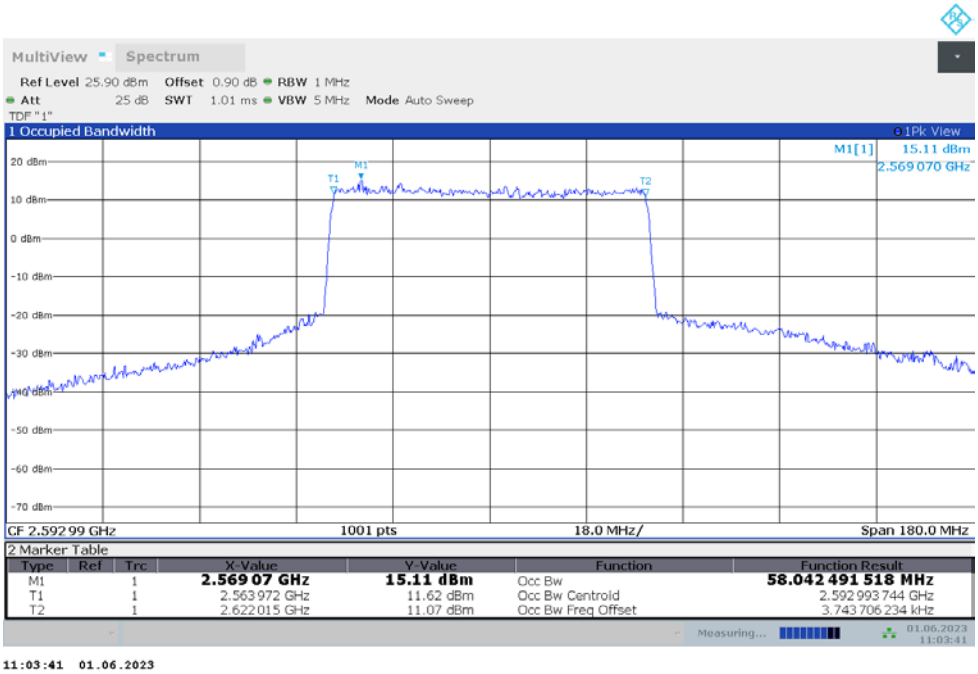
n41-MIMO,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
2592.99	58.226	58.082

n41,60MHz Bandwidth,CP QPSK (99% BW)



n41,60MHz Bandwidth,CP 16QAM (99% BW)



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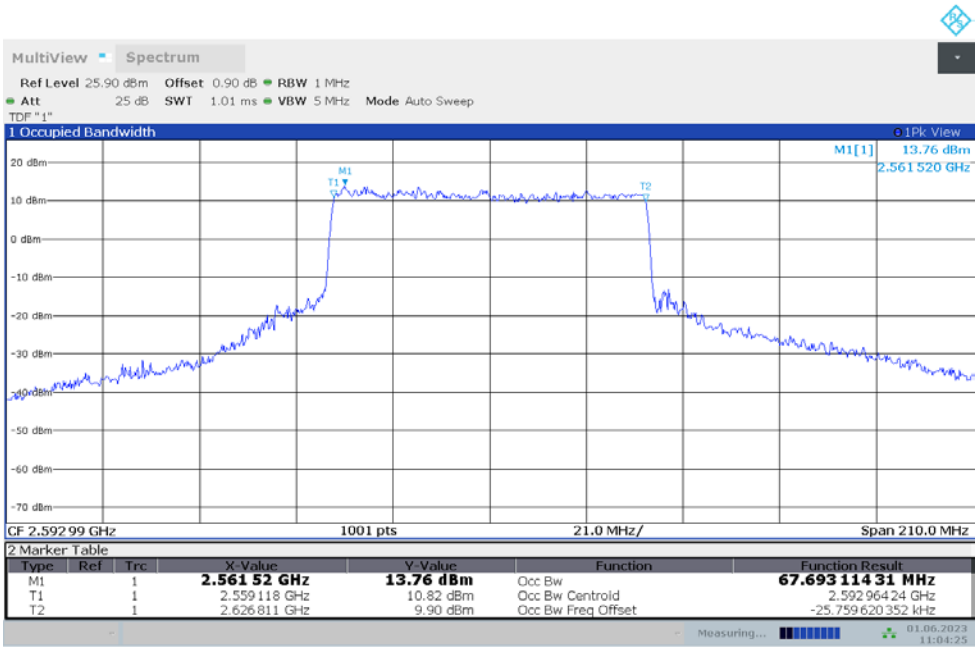
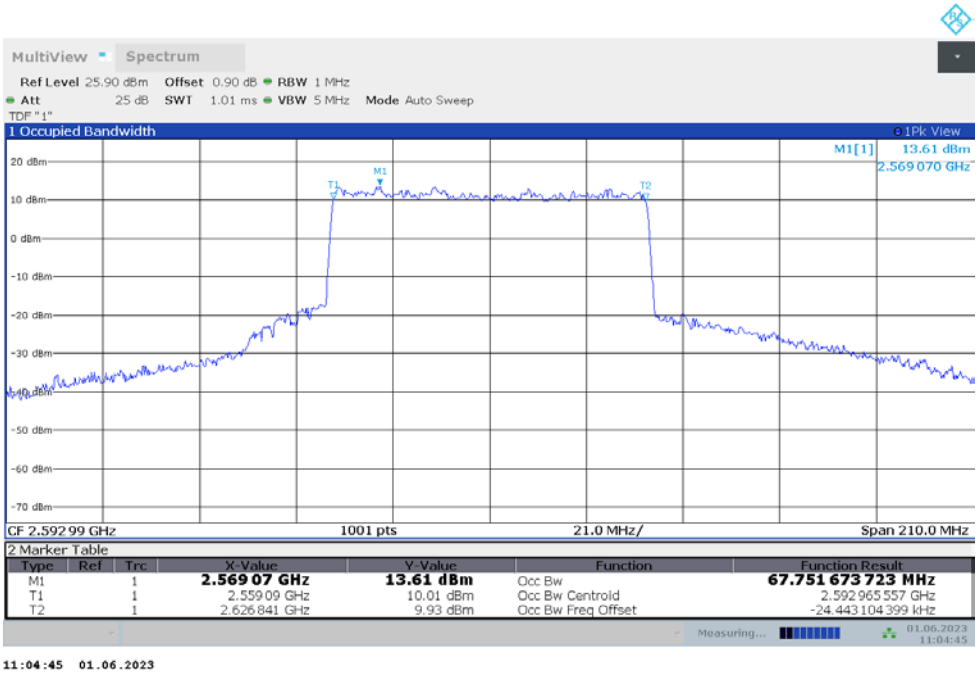
n41-MIMO,70MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
2592.99	67.763	67.678

n41,70MHz Bandwidth,CP QPSK (99% BW)



n41,70MHz Bandwidth,CP 16QAM (99% BW)



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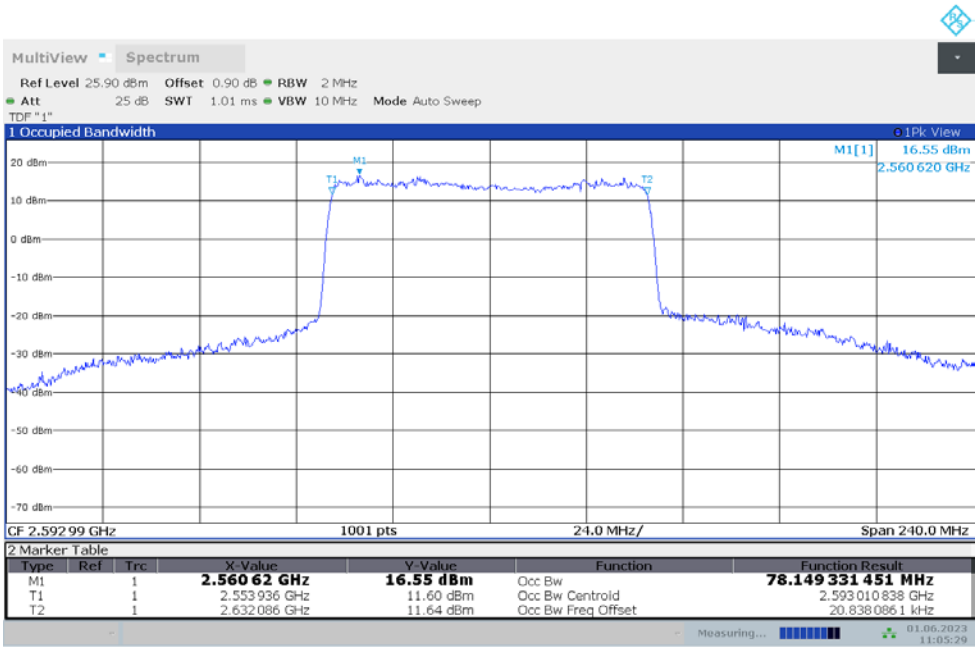
n41-MIMO,80MHz(99%)

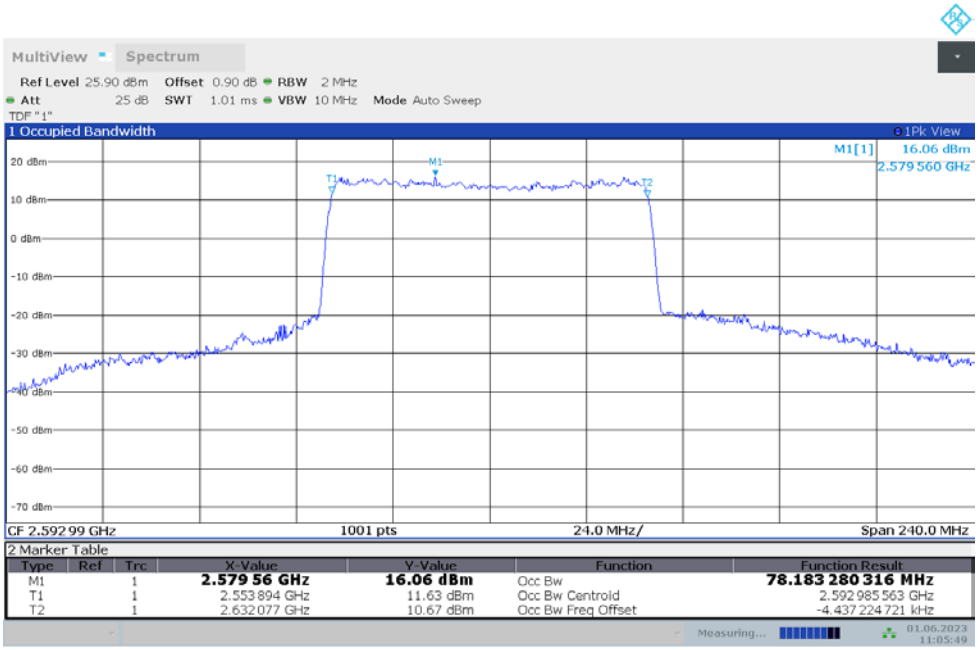
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
2592.99	78.160	78.110

n41,80MHz Bandwidth,CP QPSK (99% BW)



11:05:29 01.06.2023

n41,80MHz Bandwidth,CP 16QAM (99% BW)



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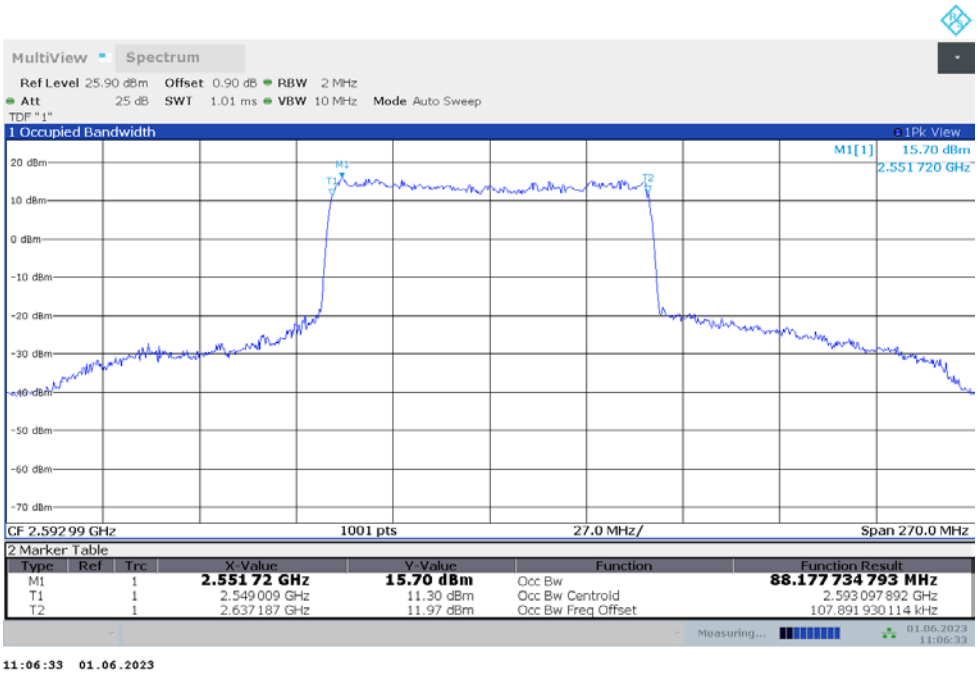
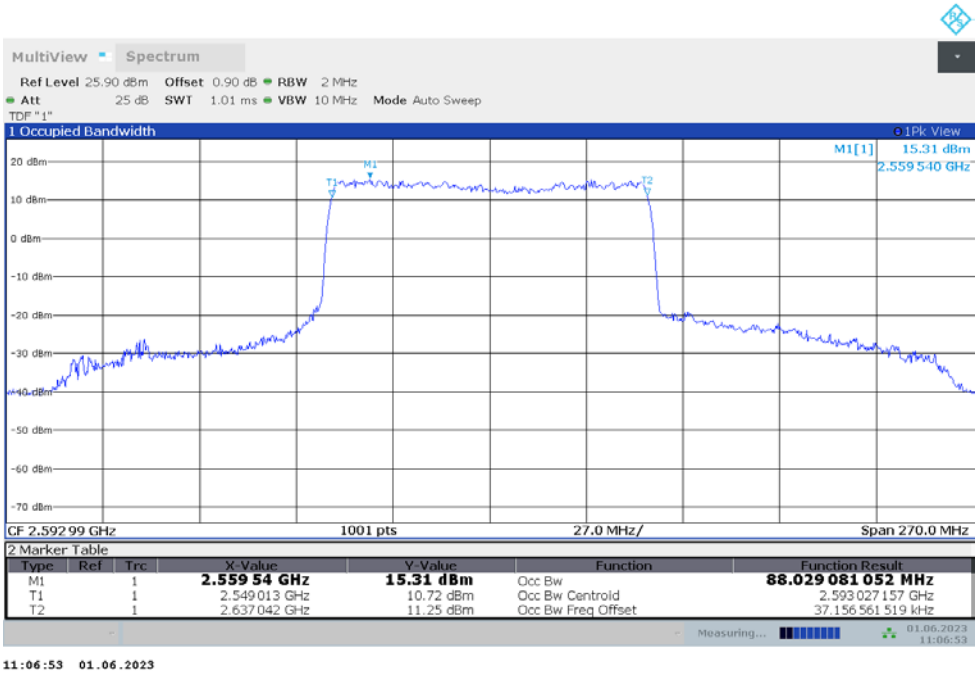
n41-MIMO,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
2592.99	88.082	88.058

n41,90MHz Bandwidth,CP QPSK (99% BW)



n41,90MHz Bandwidth,CP 16QAM (99% BW)



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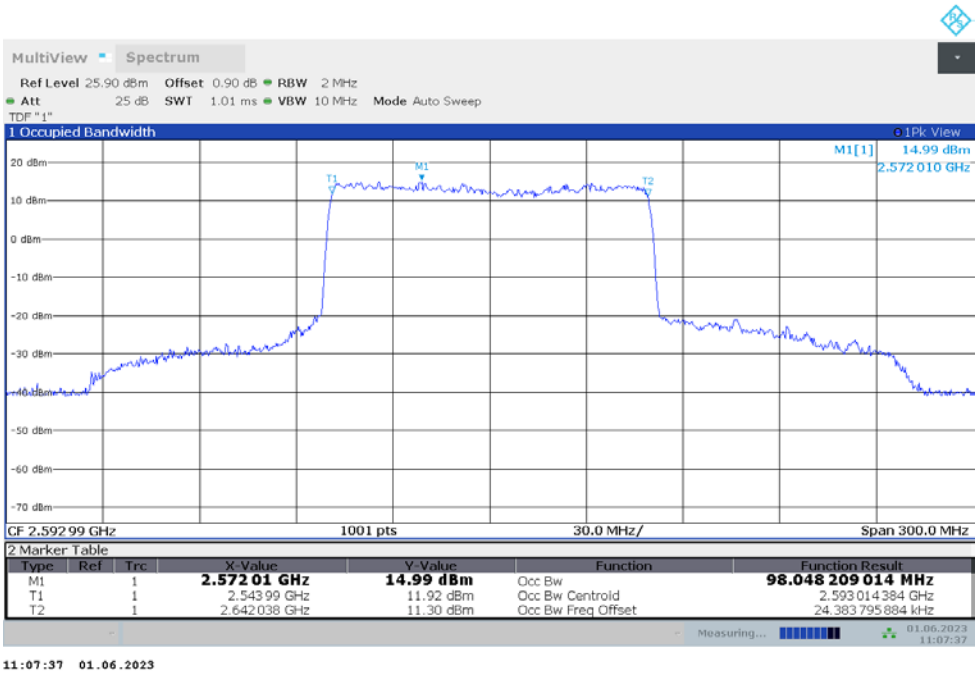
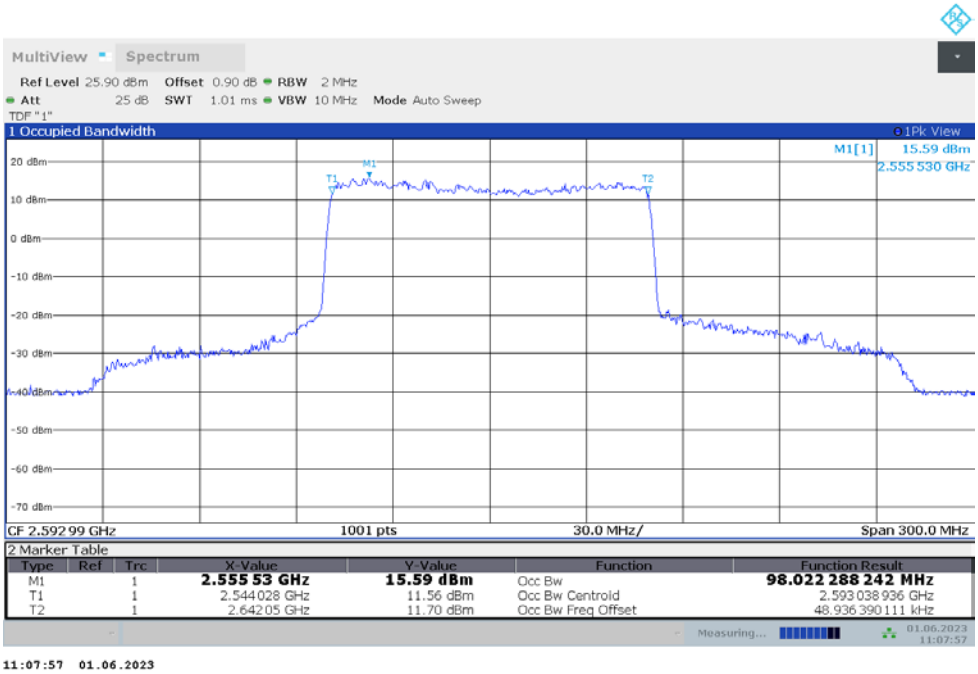
n41-MIMO,100MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
2592.99	97.897	97.986

n41,100MHz Bandwidth,CP QPSK (99% BW)



n41,100MHz Bandwidth,CP 16QAM (99% BW)



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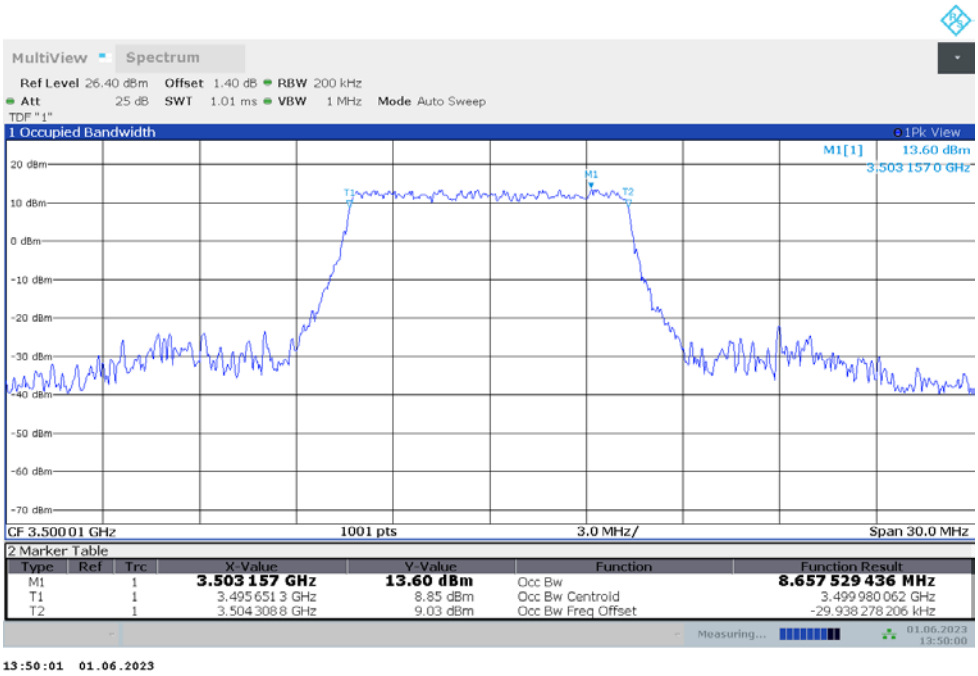
n77L

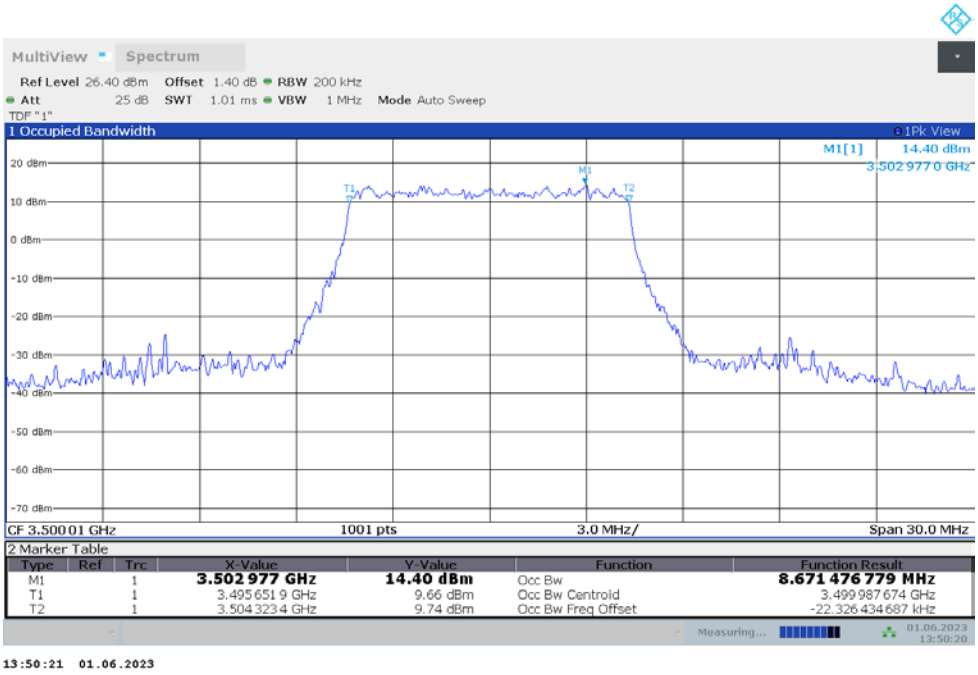
n77L-MIMO,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	8.658	8.671

n77L,10MHz Bandwidth,CP QPSK (99% BW)



n77L,10MHz Bandwidth,CP 16QAM (99% BW)



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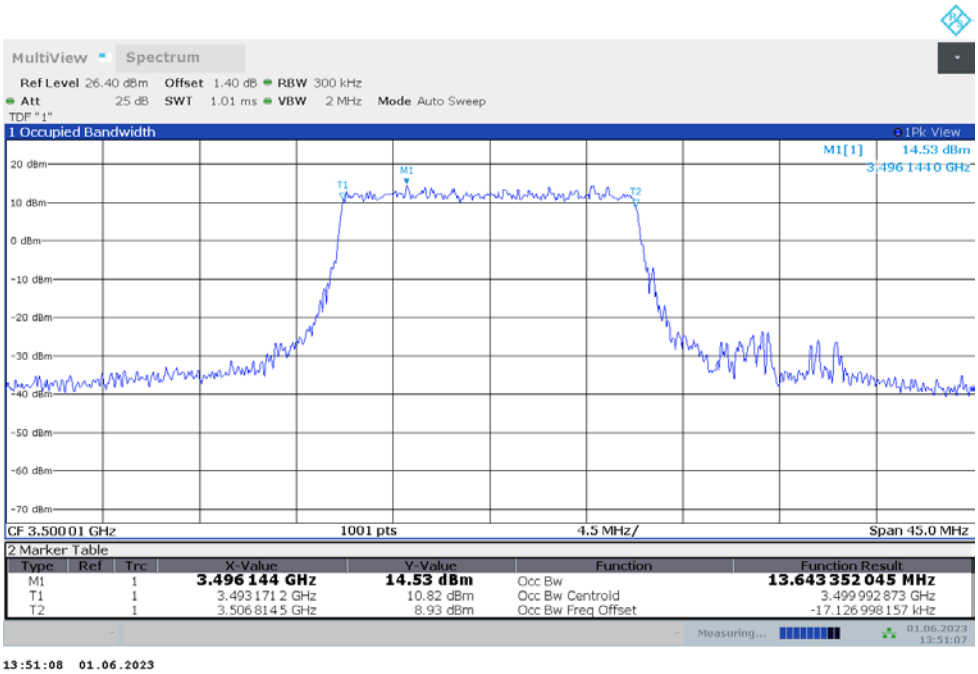
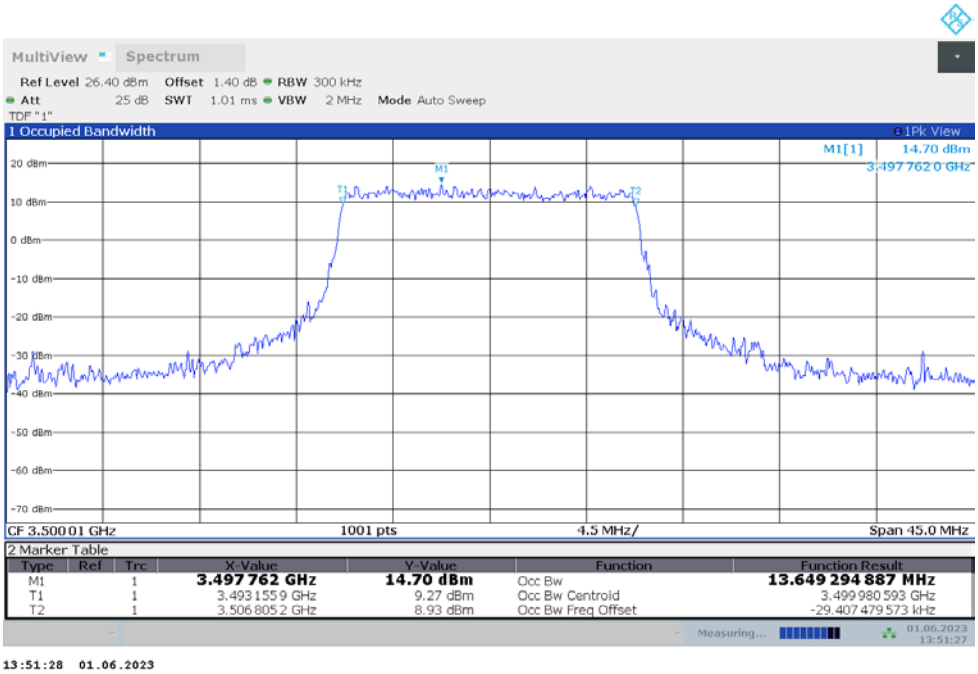
n77L-MIMO,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	13.643	13.649

n77L,15MHz Bandwidth,CP QPSK (99% BW)



n77L,15MHz Bandwidth,CP 16QAM (99% BW)



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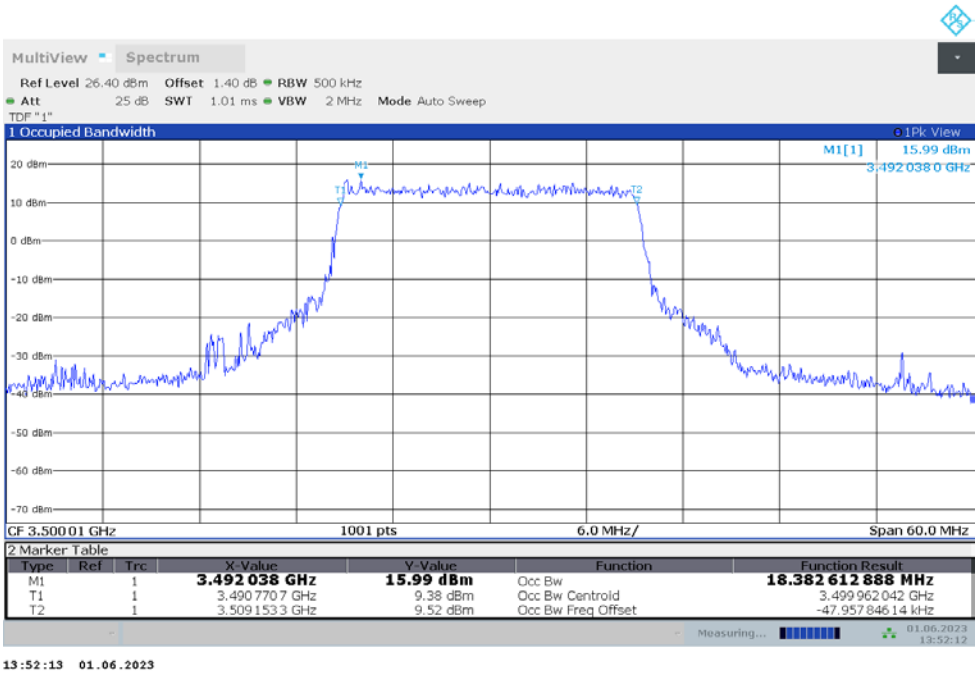
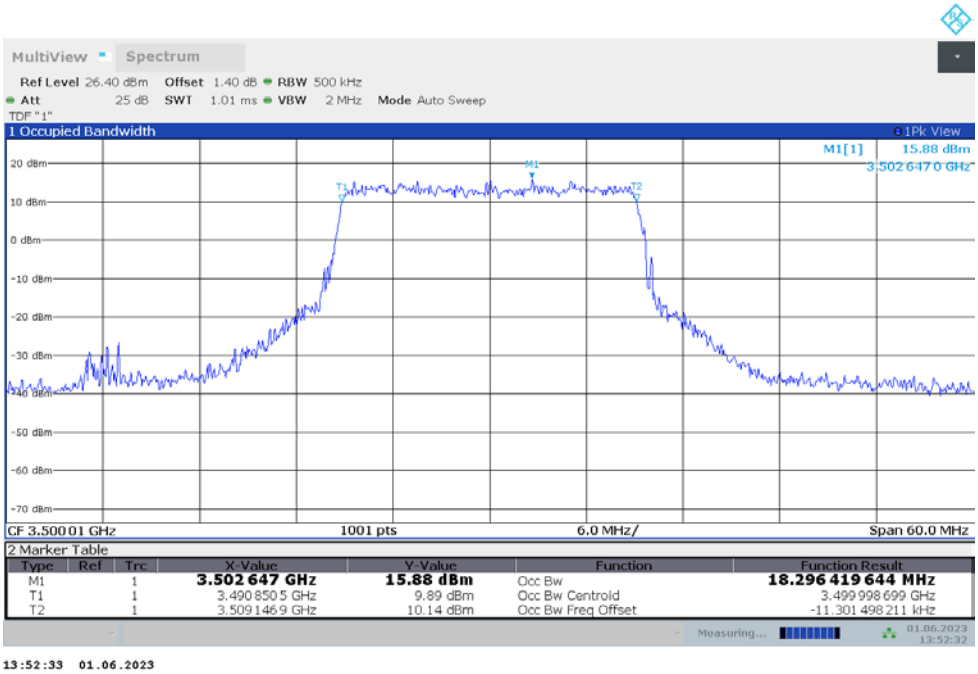
n77L-MIMO,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	18.383	18.296

n77L,20MHz Bandwidth,CP QPSK (99% BW)



n77L,20MHz Bandwidth,CP 16QAM (99% BW)



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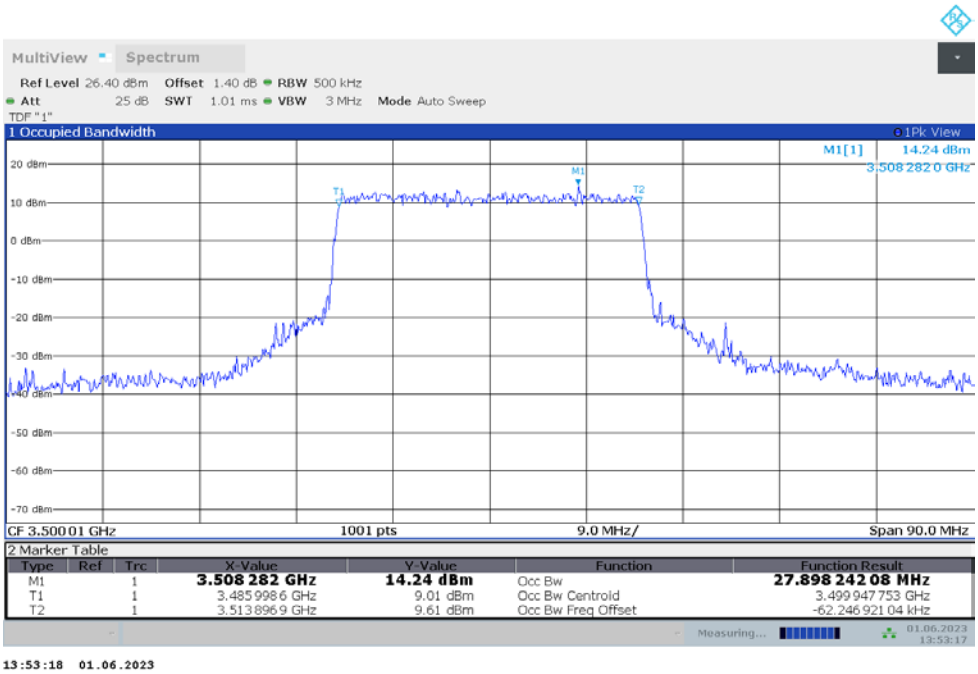
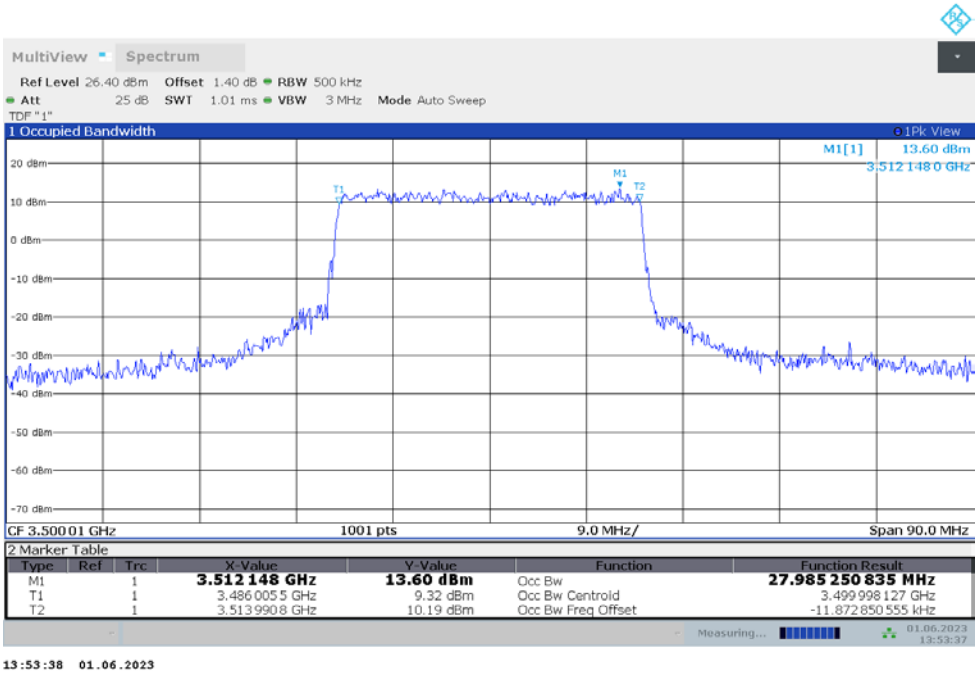
n77L-MIMO,30MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	27.898	27.985

n77L,30MHz Bandwidth,CP QPSK (99% BW)



n77L,30MHz Bandwidth,CP 16QAM (99% BW)



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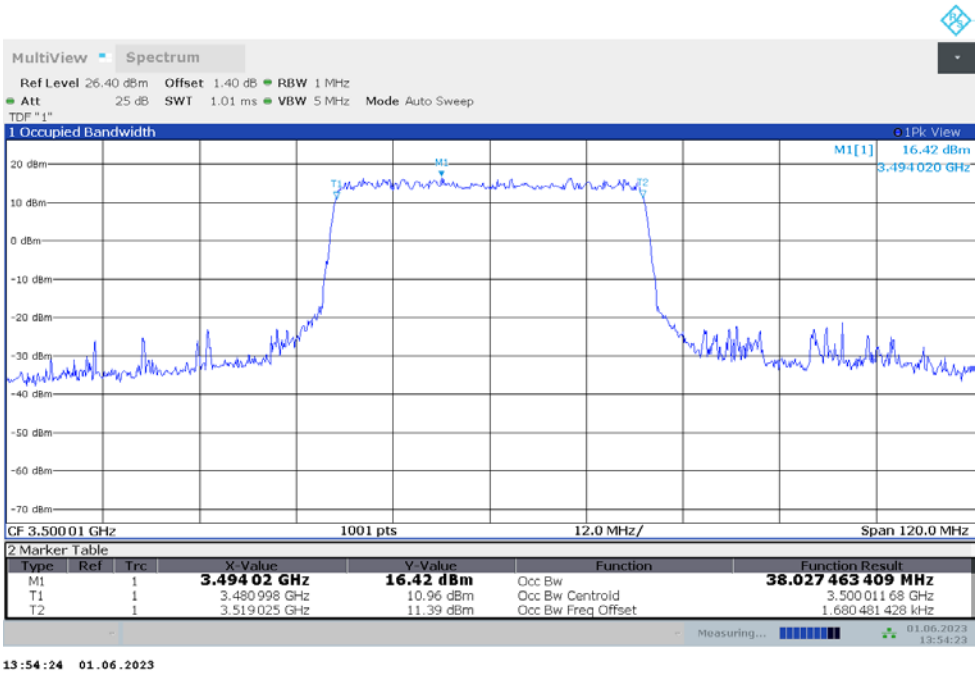
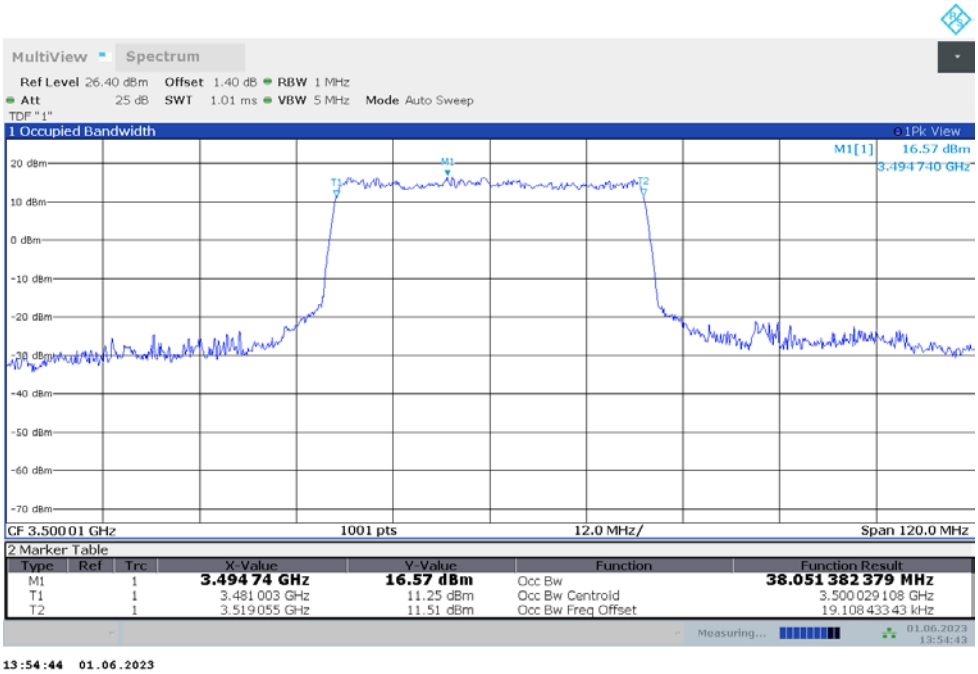
n77L-MIMO,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	38.027	38.051

n77L,40MHz Bandwidth,CP QPSK (99% BW)



n77L,40MHz Bandwidth,CP 16QAM (99% BW)



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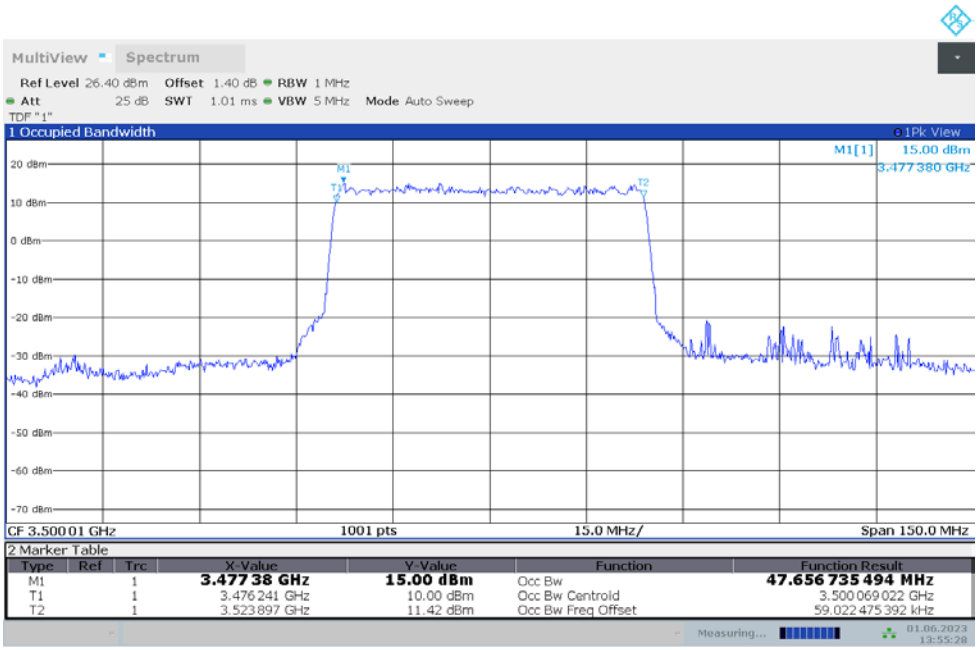
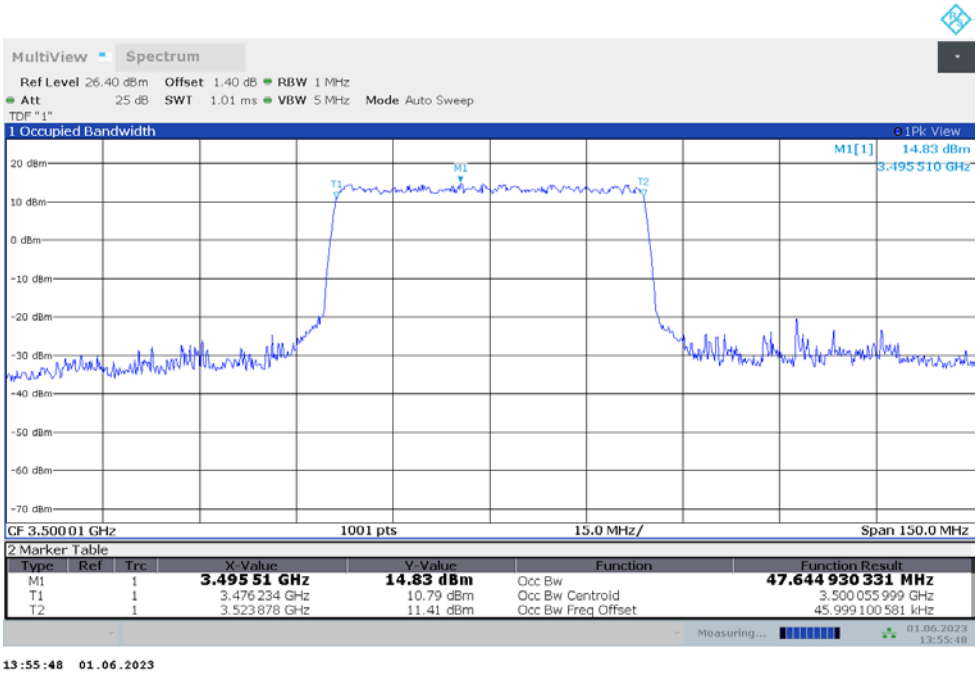
n77L-MIMO,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	47.657	47.645

n77L,50MHz Bandwidth,CP QPSK (99% BW)



n77L,50MHz Bandwidth,CP 16QAM (99% BW)



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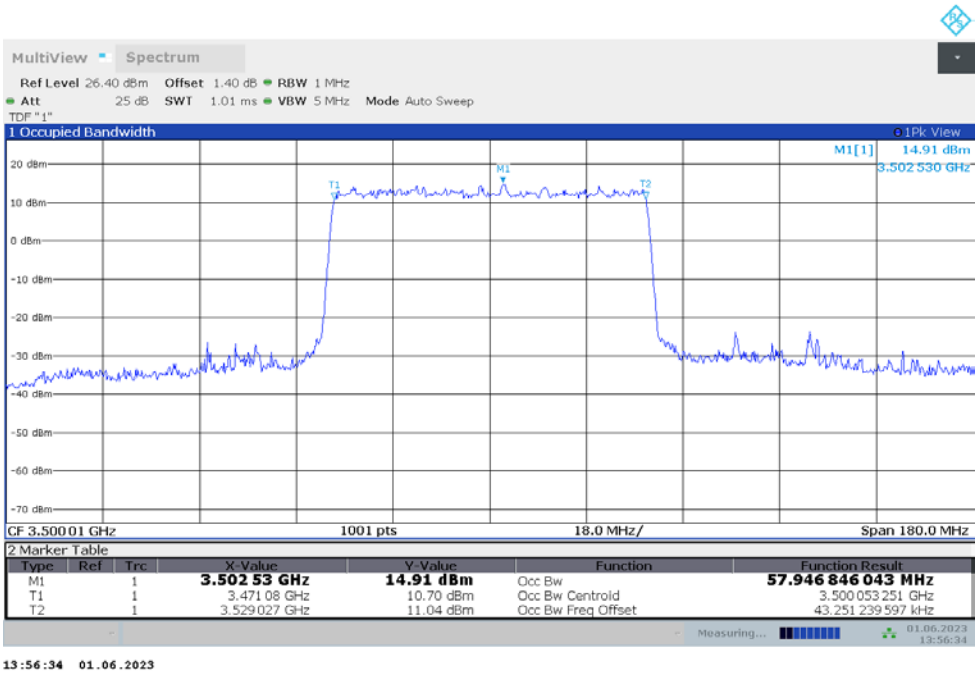
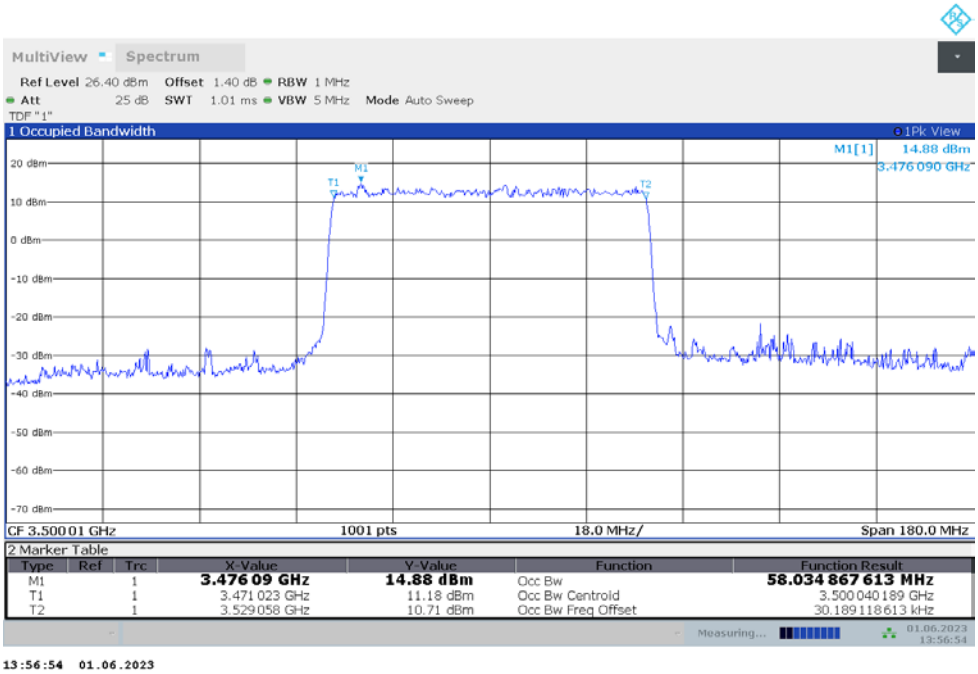
n77L-MIMO,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	57.947	58.035

n77L,60MHz Bandwidth,CP QPSK (99% BW)



n77L,60MHz Bandwidth,CP 16QAM (99% BW)



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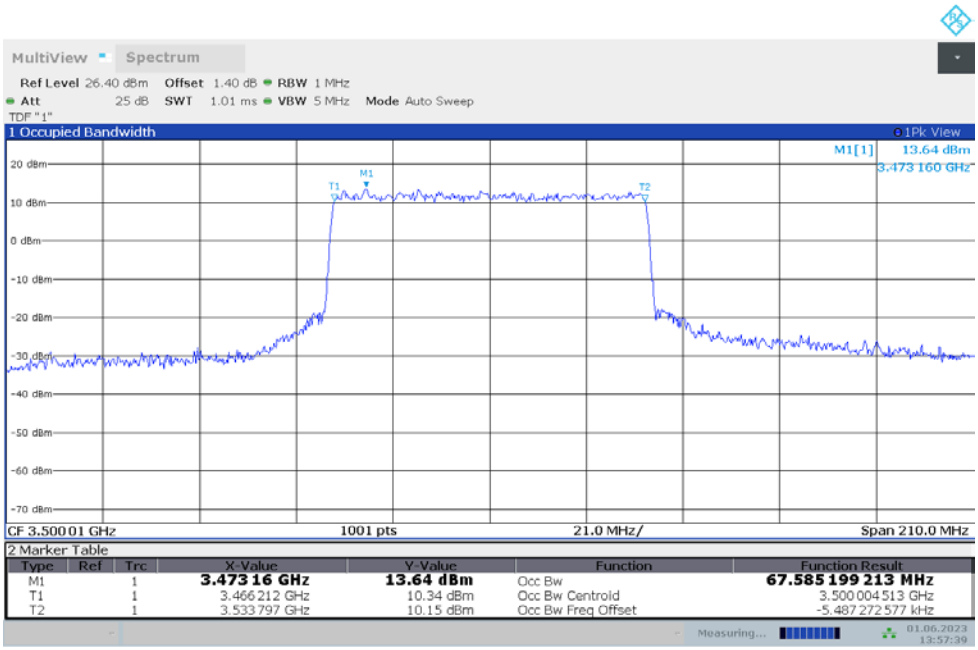
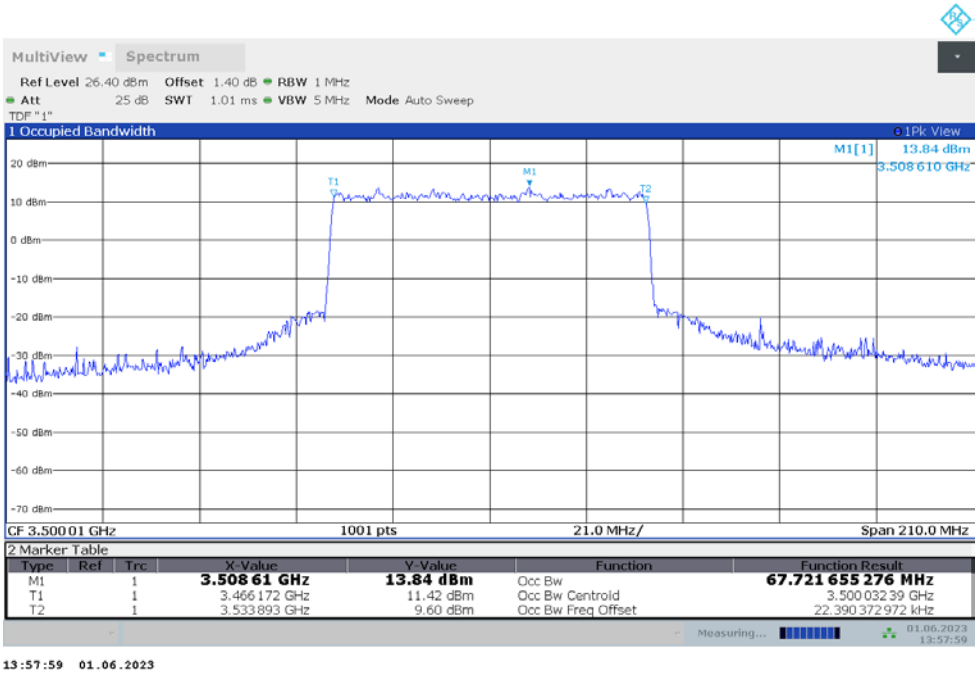
n77L-MIMO,70MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	67.585	67.722

n77L,70MHz Bandwidth,CP QPSK (99% BW)



n77L,70MHz Bandwidth,CP 16QAM (99% BW)



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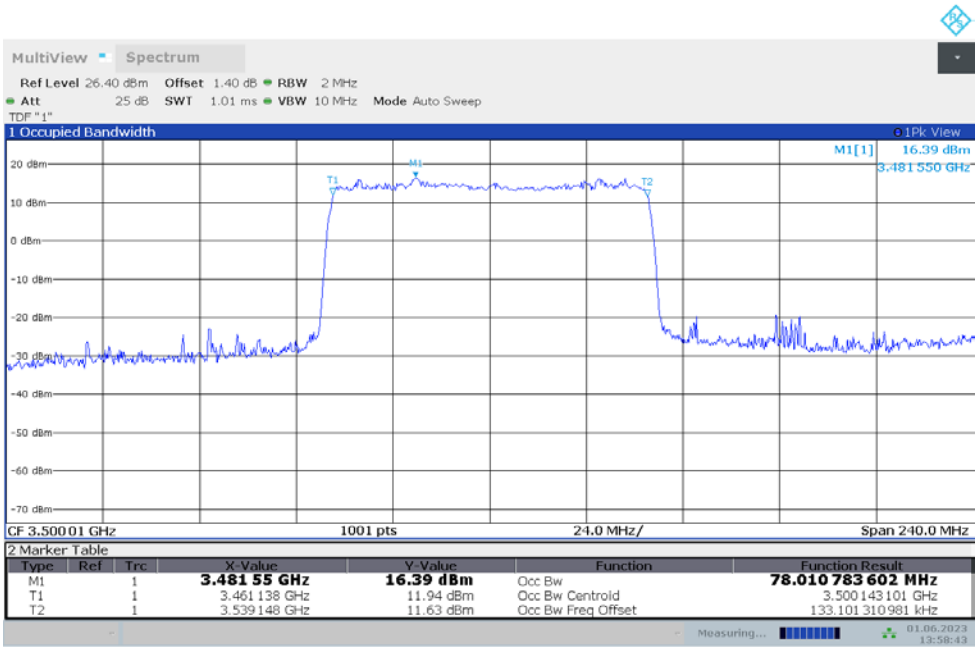
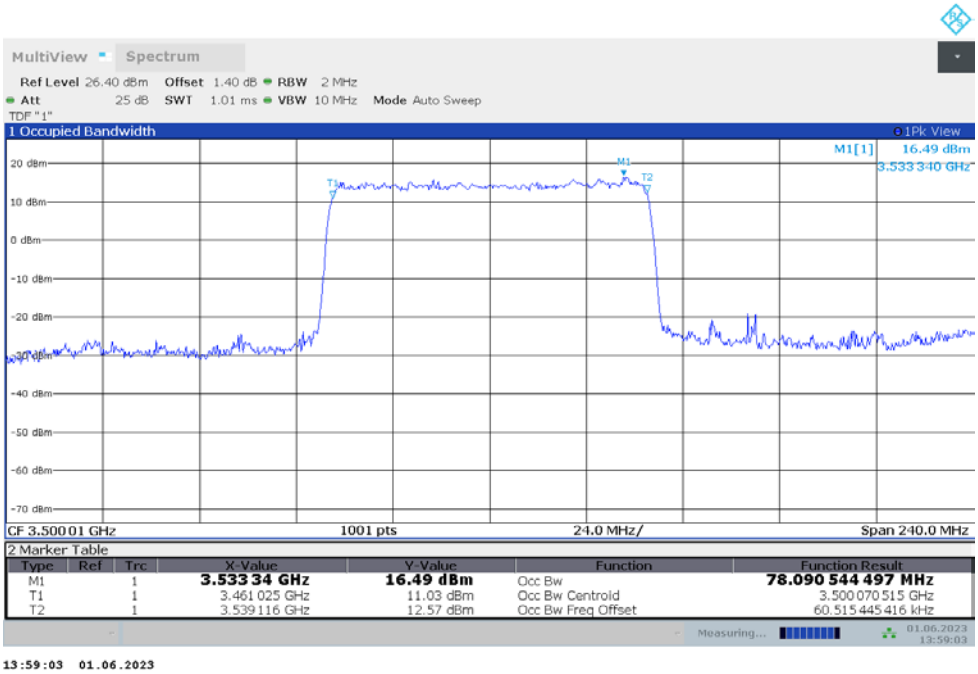
n77L-MIMO,80MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	78.011	78.091

n77L,80MHz Bandwidth,CP QPSK (99% BW)



n77L,80MHz Bandwidth,CP 16QAM (99% BW)



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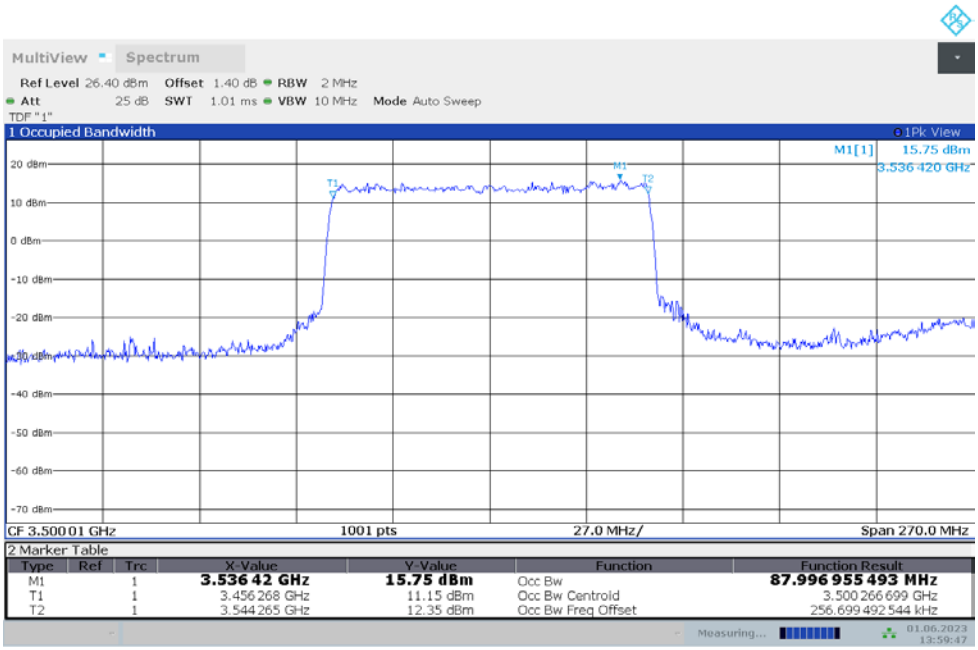
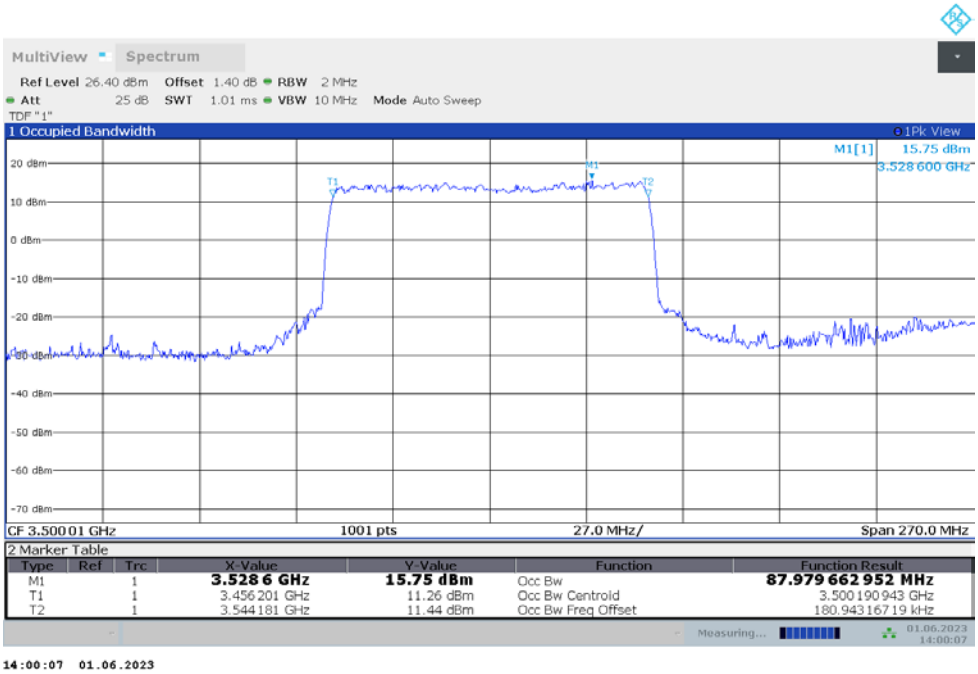
n77L-MIMO,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3500.01	87.997	87.980

n77L,90MHz Bandwidth,CP QPSK (99% BW)



n77L,90MHz Bandwidth,CP 16QAM (99% BW)



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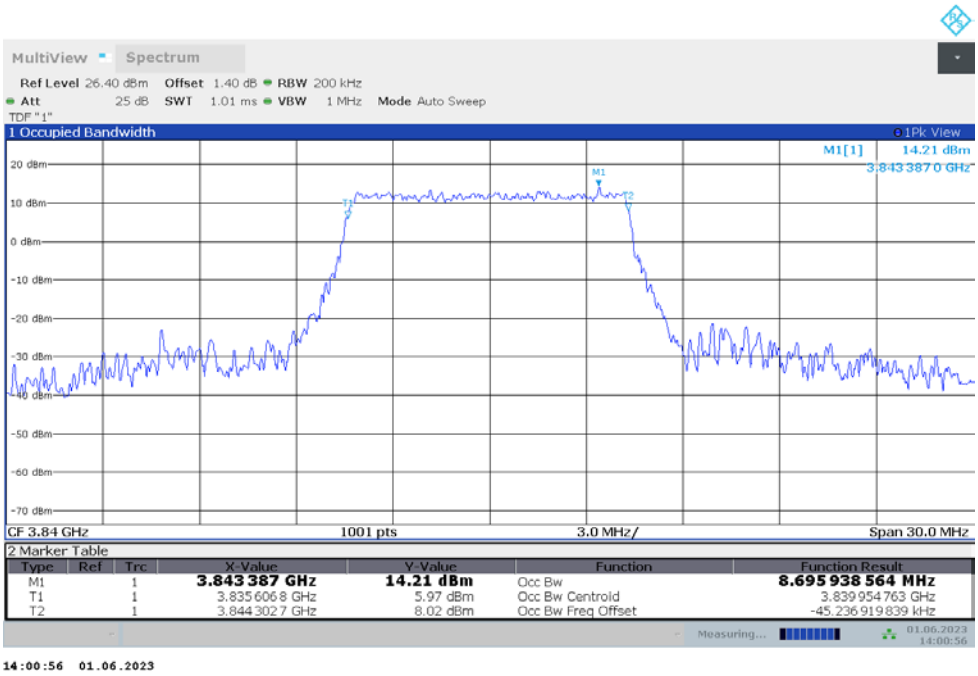
n77H

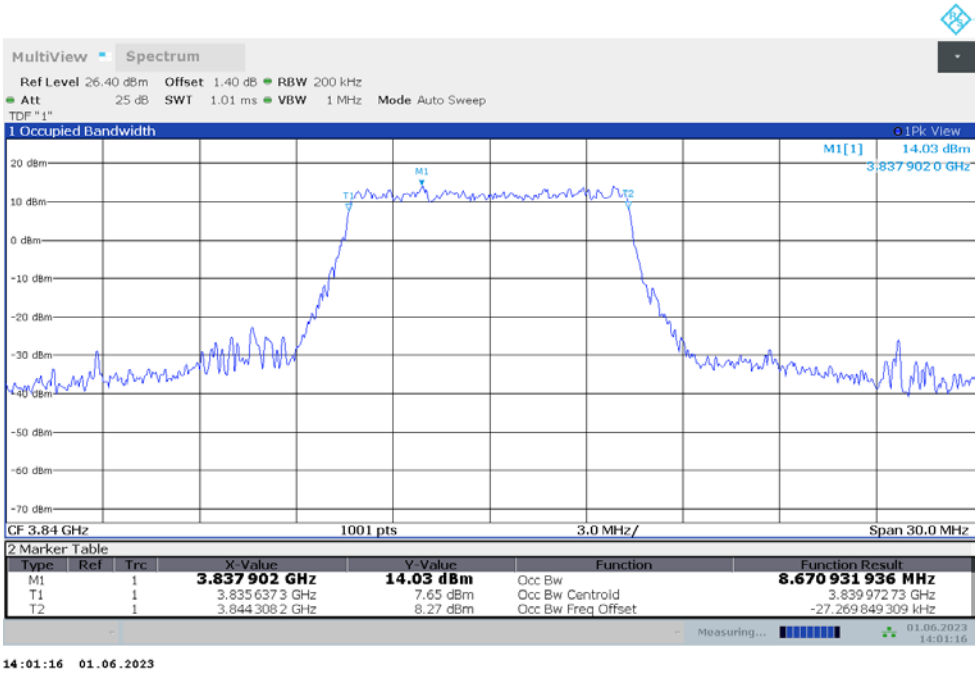
n77H-MIMO,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	8.696	8.671

n77H,10MHz Bandwidth,CP QPSK (99% BW)



n77H,10MHz Bandwidth,CP 16QAM (99% BW)



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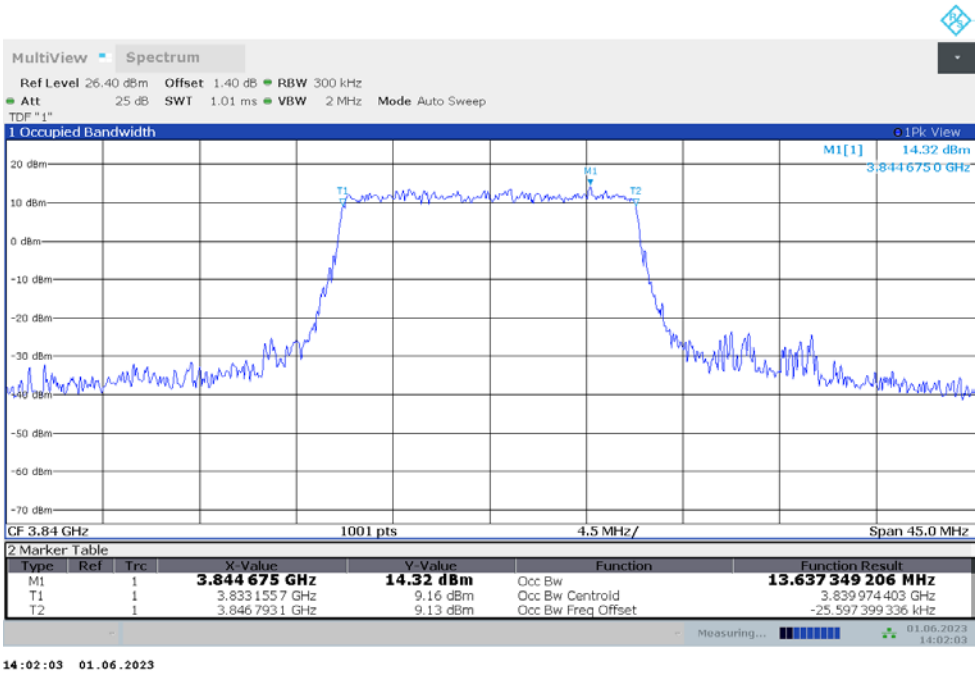
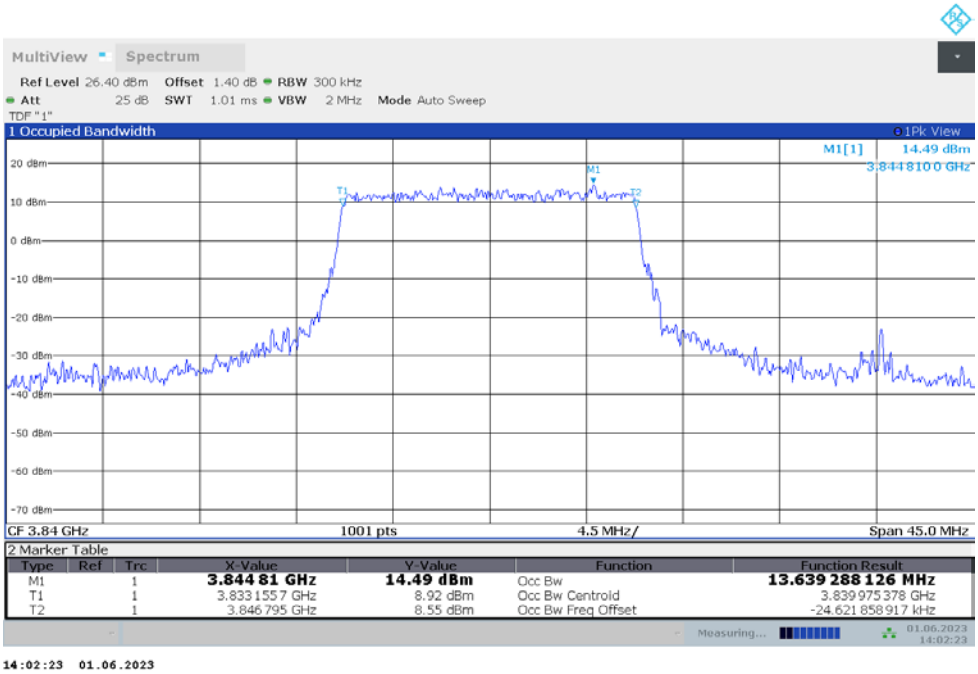
n77H-MIMO,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	13.637	13.639

n77H,15MHz Bandwidth,CP QPSK (99% BW)



n77H,15MHz Bandwidth,CP 16QAM (99% BW)



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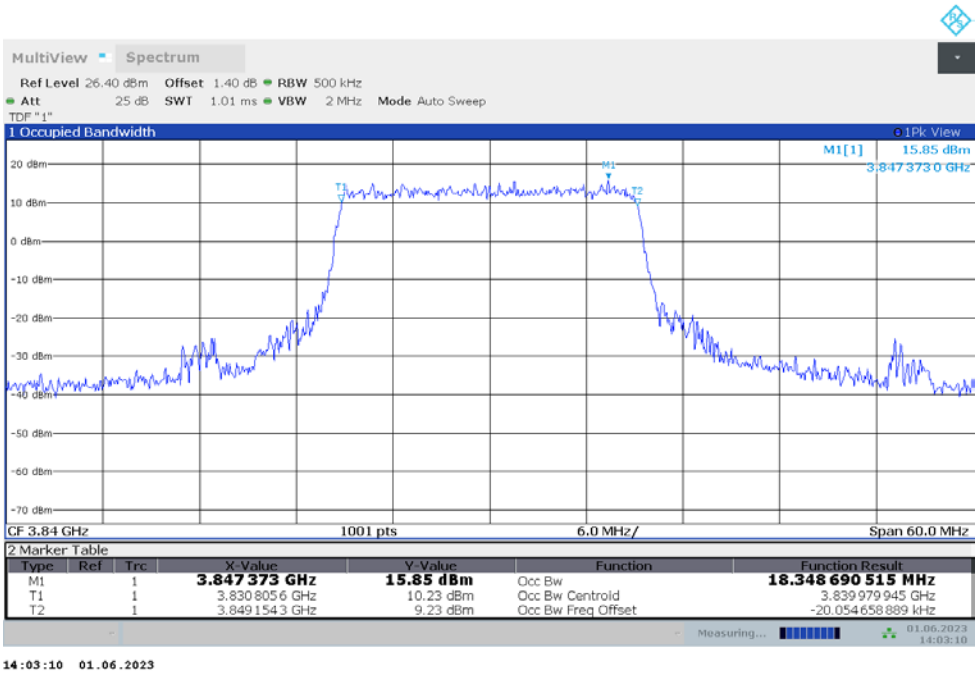
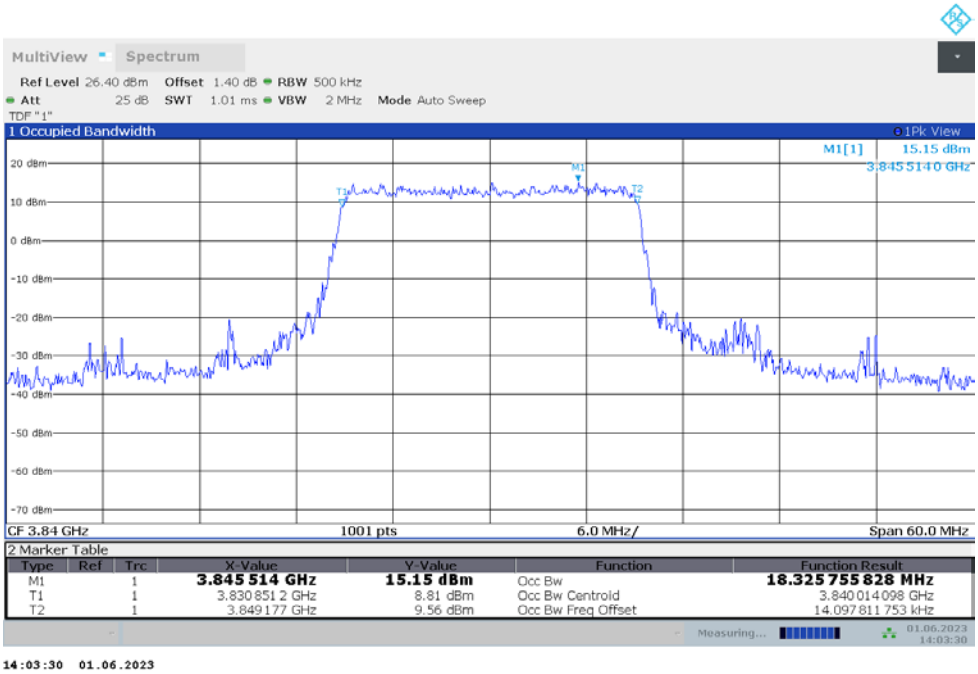
n77H-MIMO,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	18.349	18.326

n77H,20MHz Bandwidth,CP QPSK (99% BW)



n77H,20MHz Bandwidth,CP 16QAM (99% BW)



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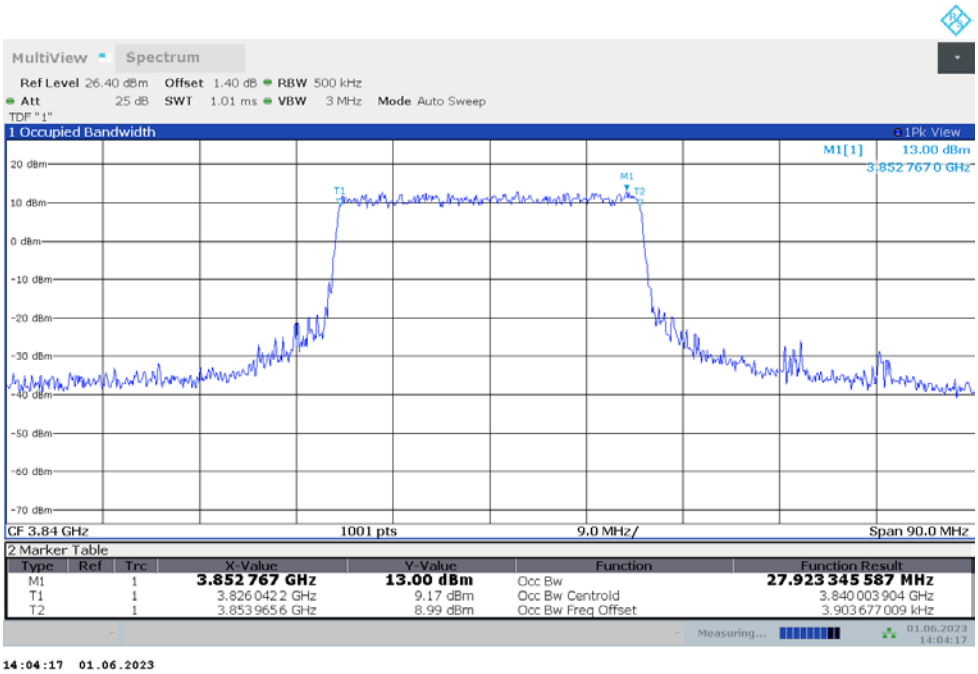
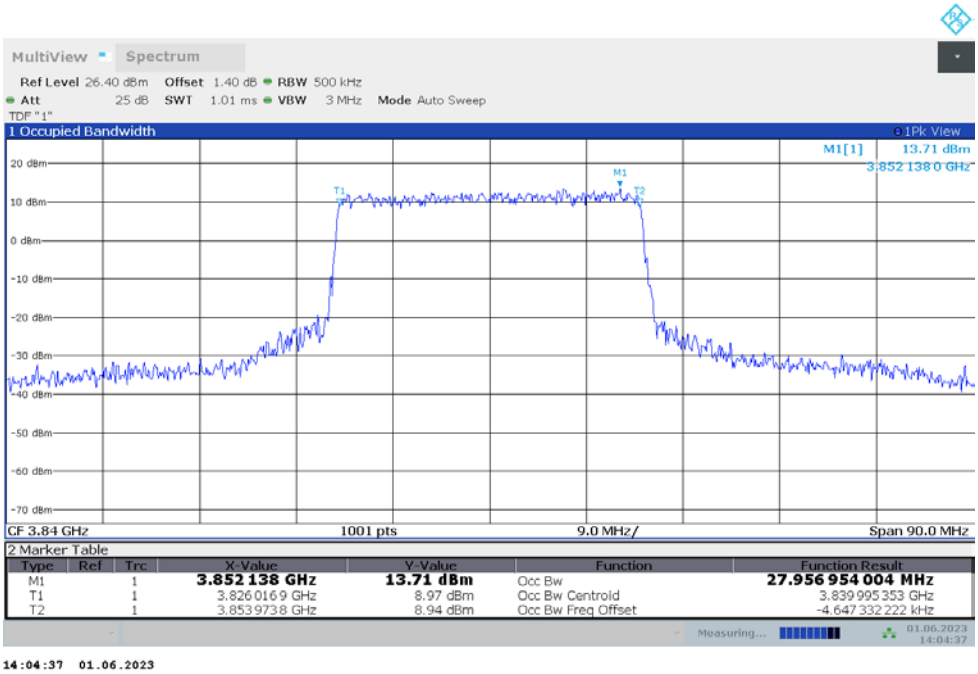
n77H-MIMO,30MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	27.923	27.957

n77H,30MHz Bandwidth,CP QPSK (99% BW)



n77H,30MHz Bandwidth,CP 16QAM (99% BW)



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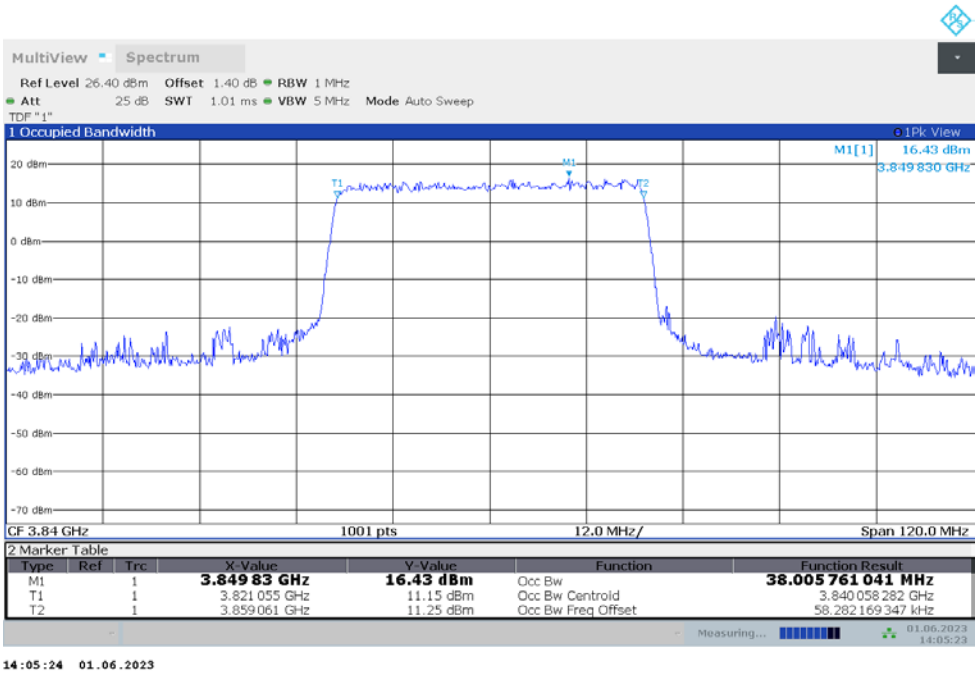
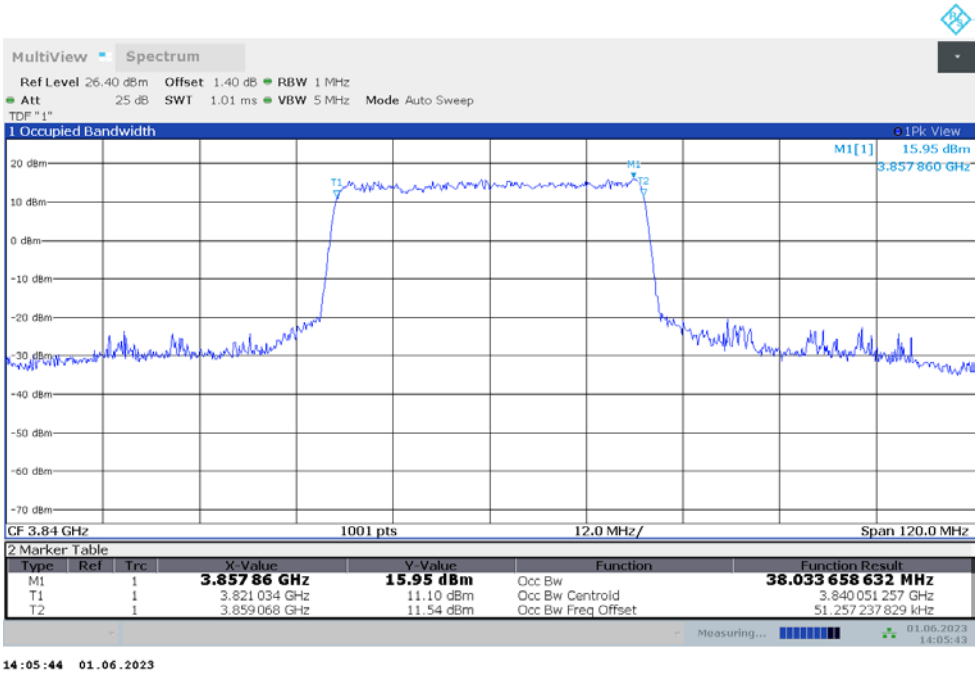
n77H-MIMO,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	38.006	38.034

n77H,40MHz Bandwidth,CP QPSK (99% BW)



n77H,40MHz Bandwidth,CP 16QAM (99% BW)



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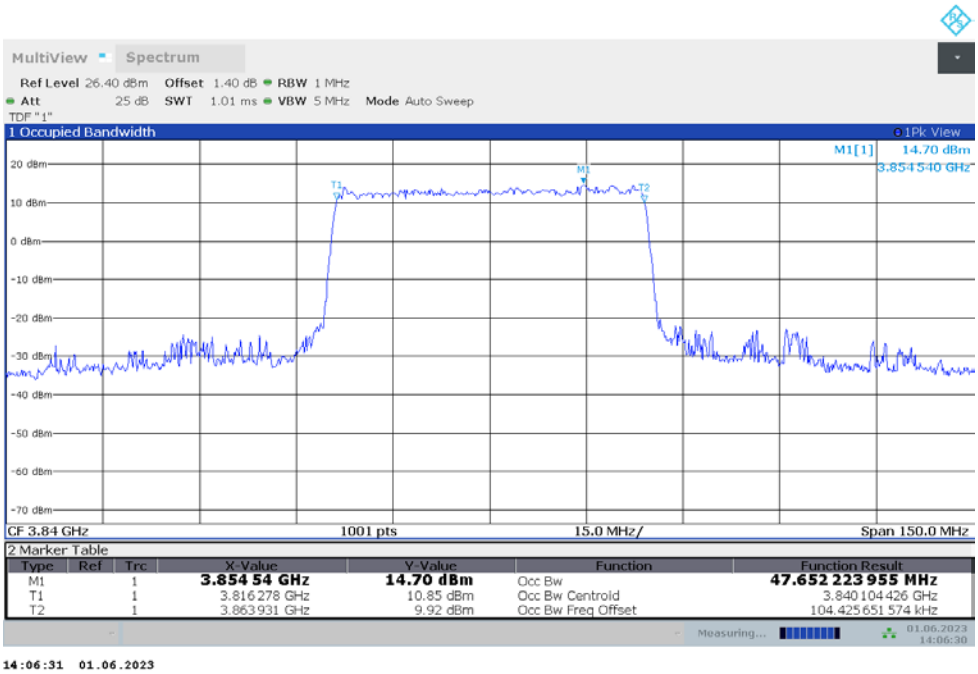
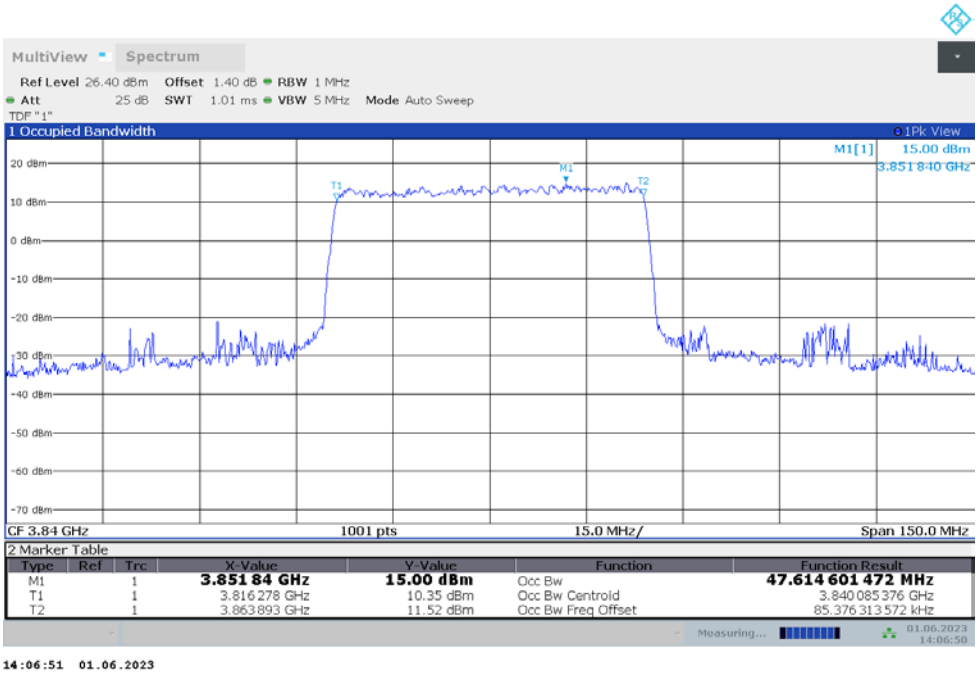
n77H-MIMO,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	47.652	47.615

n77H,50MHz Bandwidth,CP QPSK (99% BW)



n77H,50MHz Bandwidth,CP 16QAM (99% BW)



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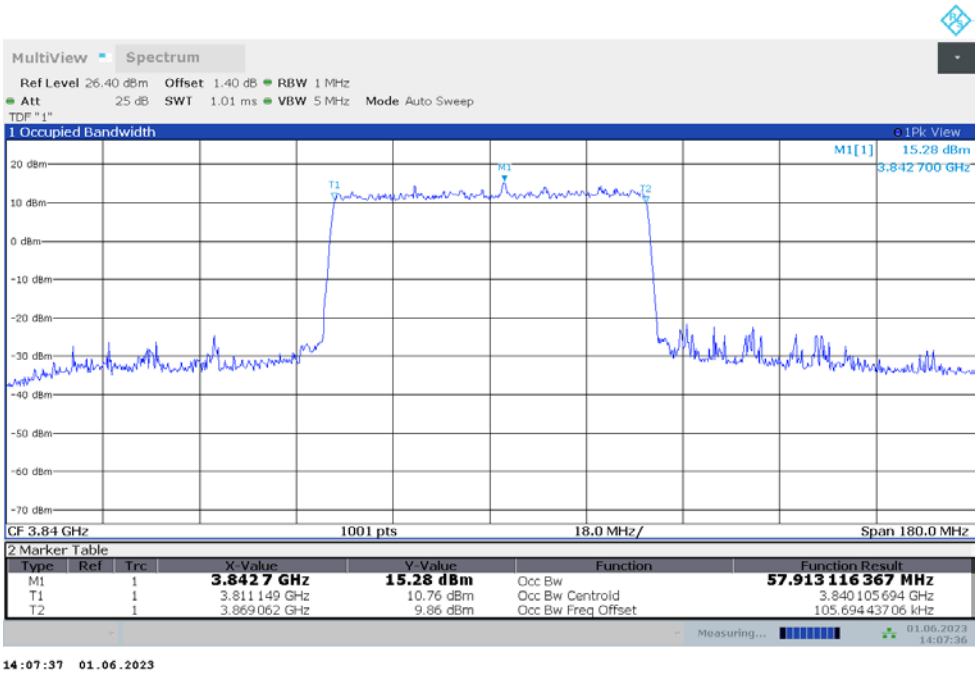
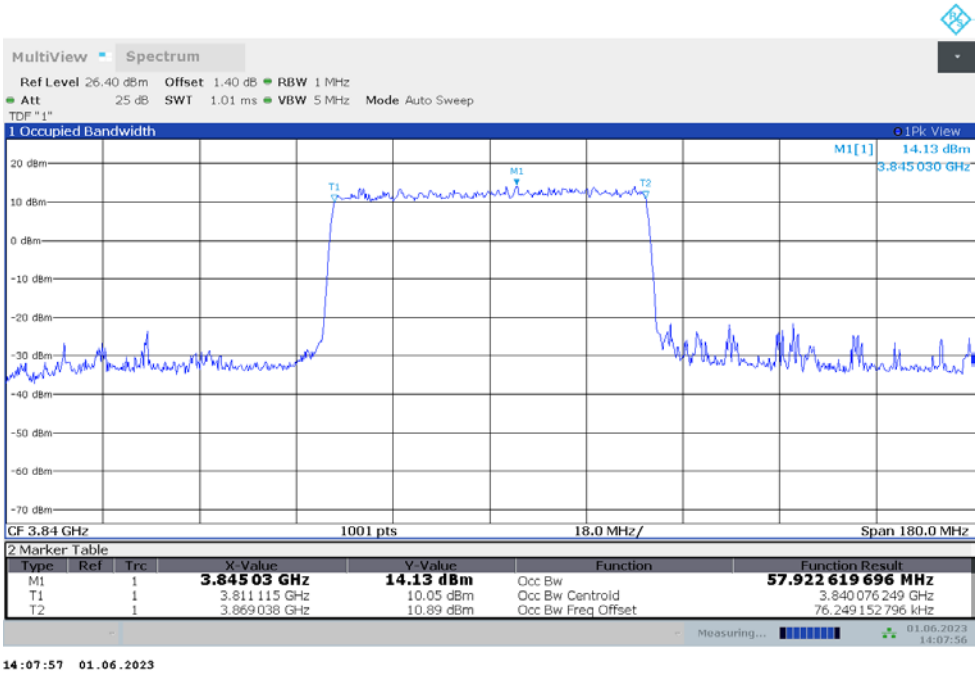
n77H-MIMO,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	57.913	57.923

n77H,60MHz Bandwidth,CP QPSK (99% BW)



n77H,60MHz Bandwidth,CP 16QAM (99% BW)



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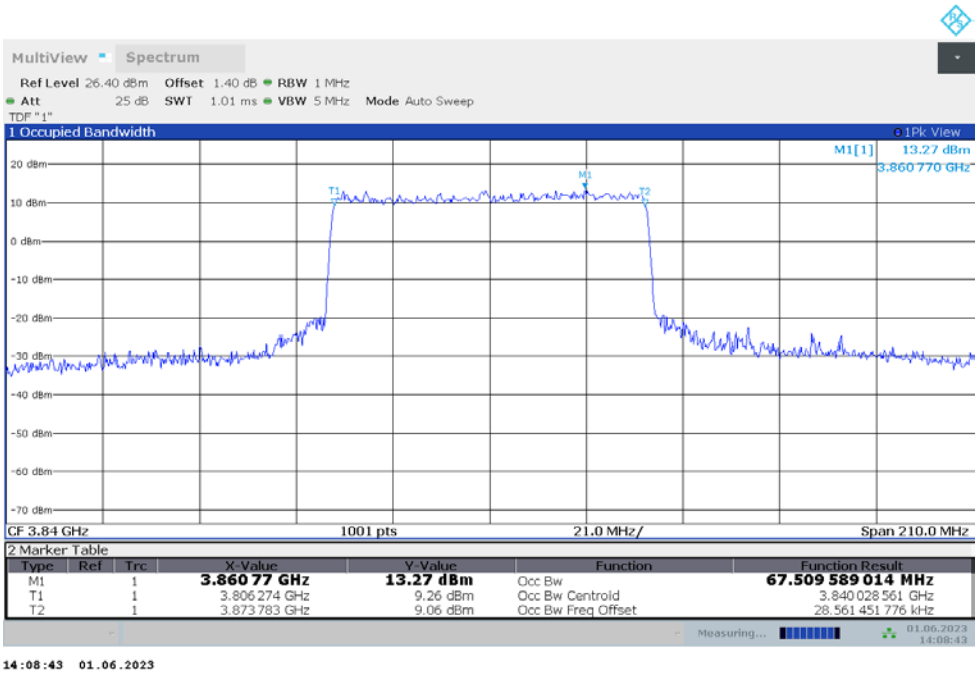
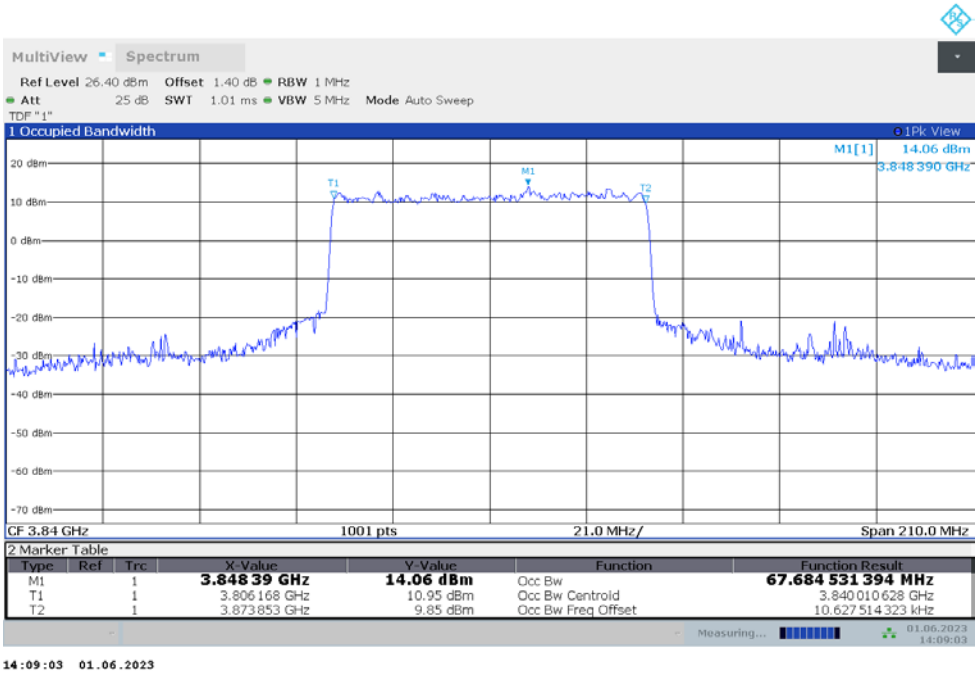
n77H-MIMO,70MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	67.510	67.685

n77H,70MHz Bandwidth,CP QPSK (99% BW)



n77H,70MHz Bandwidth,CP 16QAM (99% BW)



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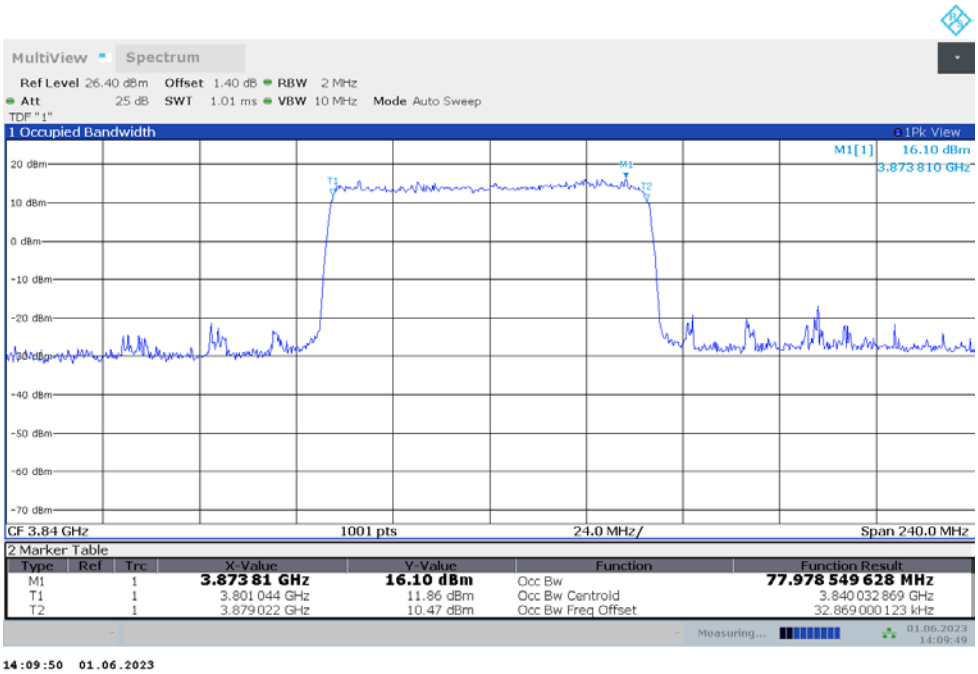
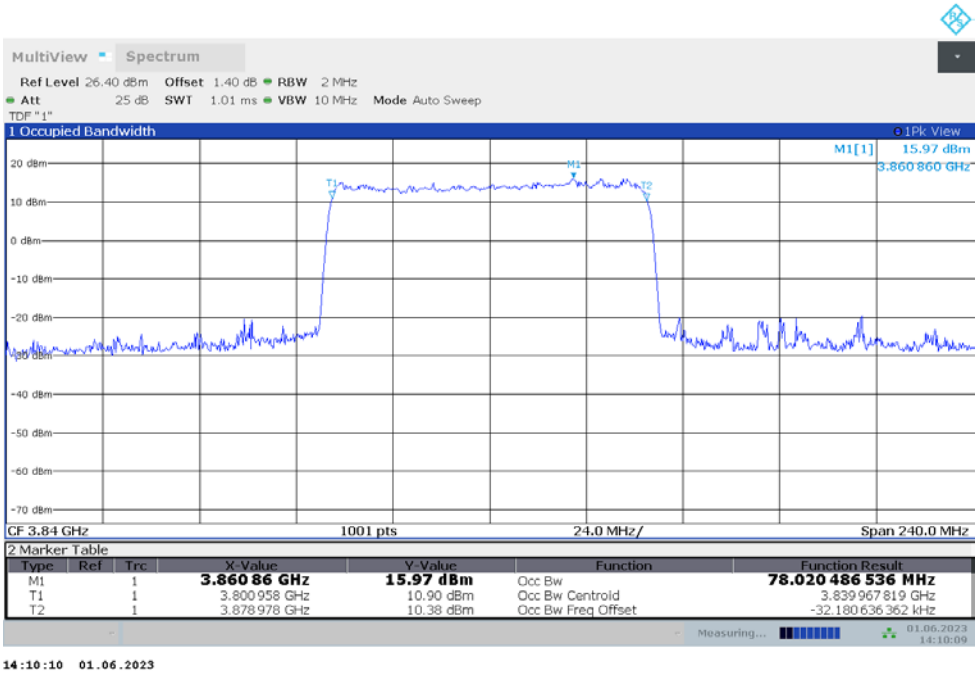
n77H-MIMO,80MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	77.979	78.020

n77H,80MHz Bandwidth,CP QPSK (99% BW)



n77H,80MHz Bandwidth,CP 16QAM (99% BW)



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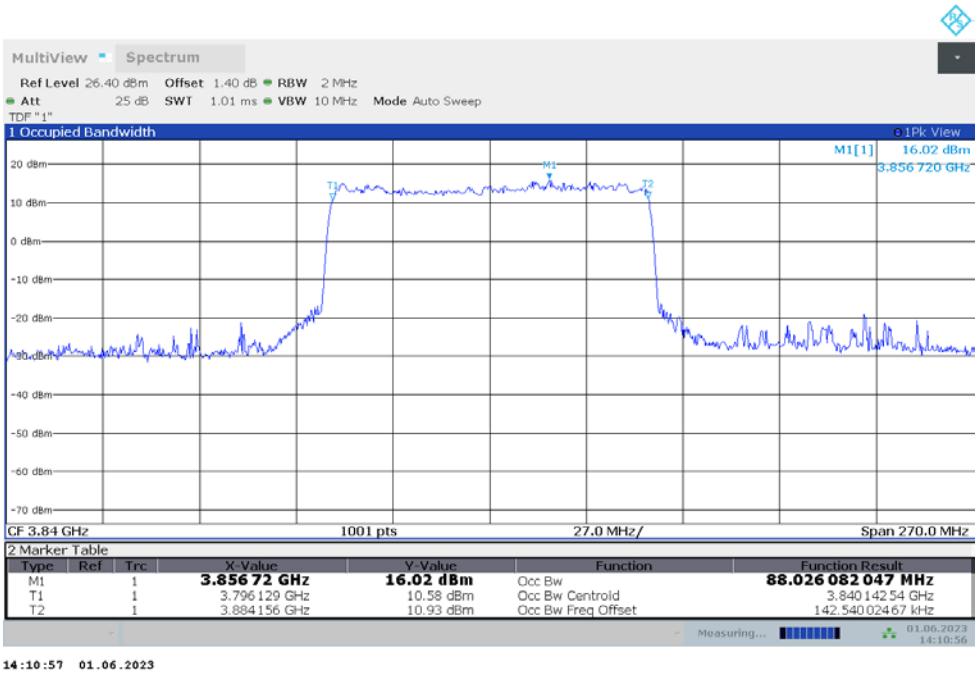
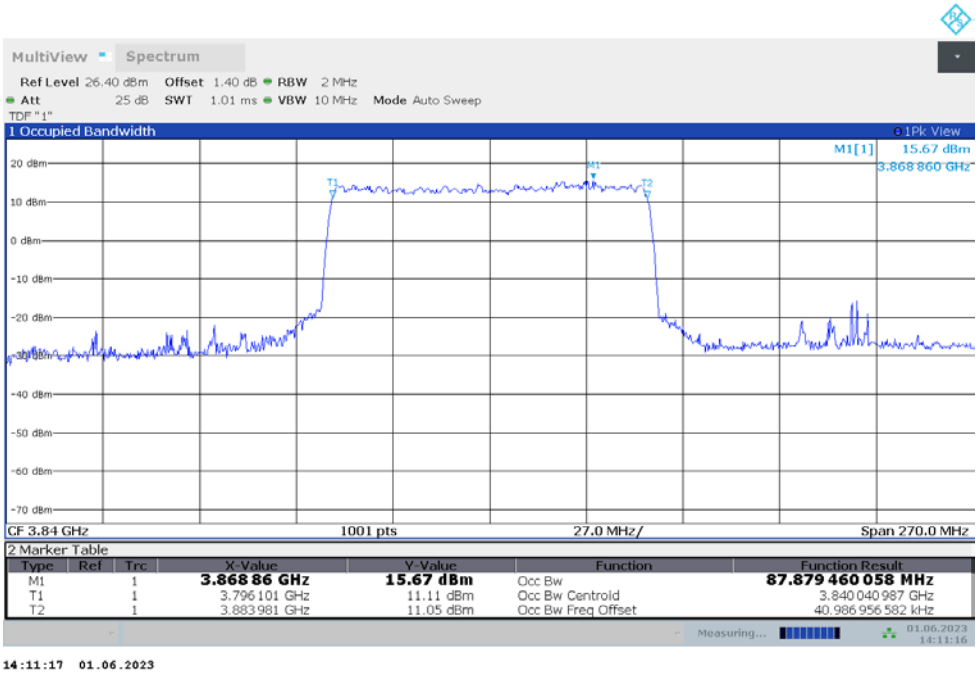
n77H-MIMO,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	88.026	87.879

n77H,90MHz Bandwidth,CP QPSK (99% BW)



n77H,90MHz Bandwidth,CP 16QAM (99% BW)



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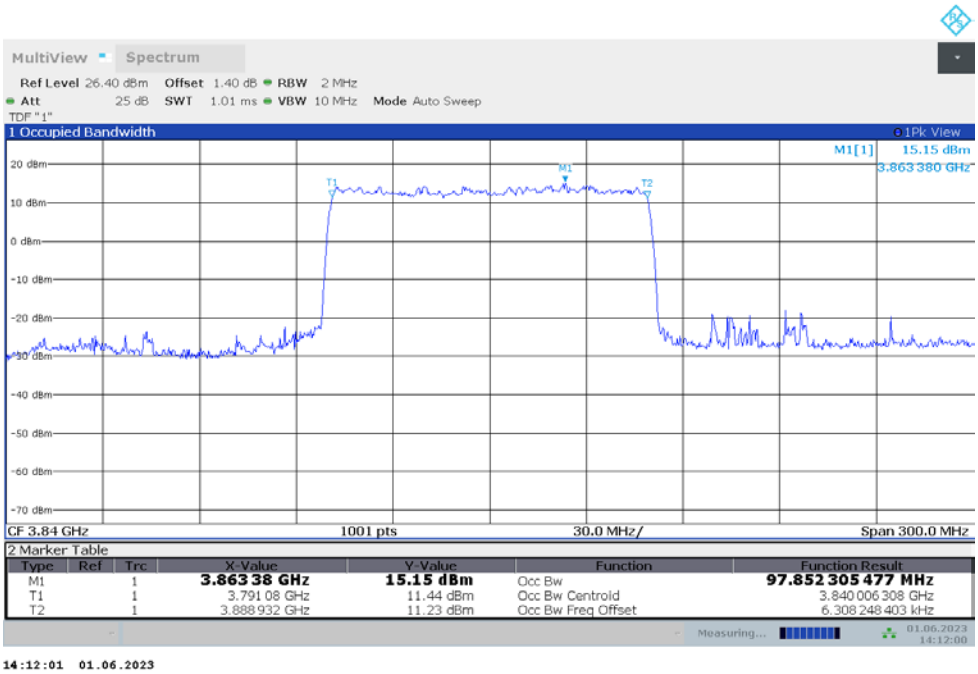
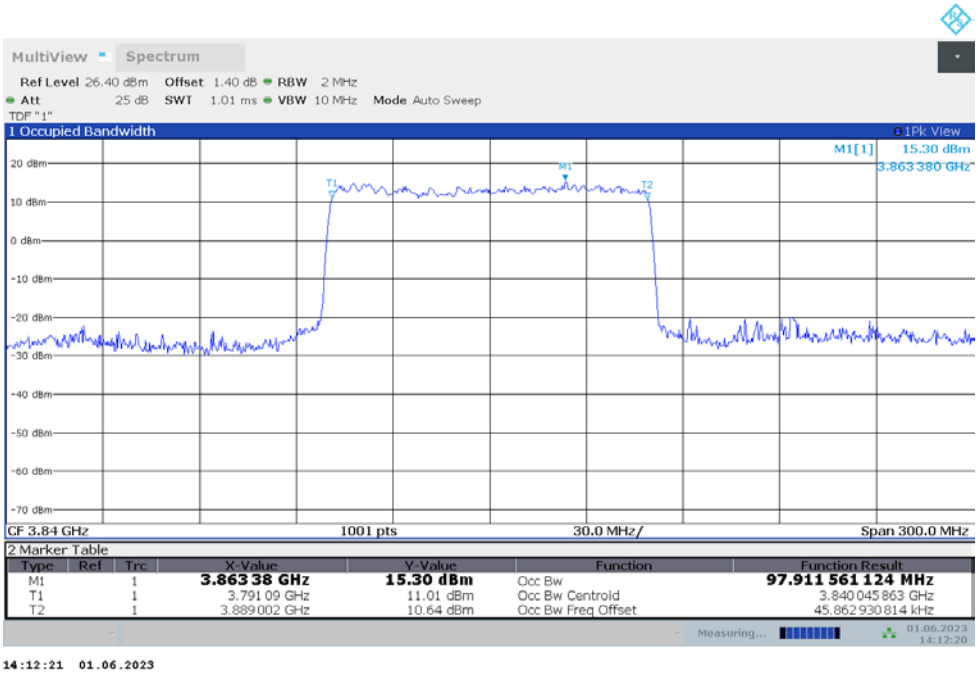
n77H-MIMO,100MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	CP QPSK	CP 16QAM
3840	97.852	97.912

n77H,100MHz Bandwidth,CP QPSK (99% BW)



n77H,100MHz Bandwidth,CP 16QAM (99% BW)



Note: The maximum value of expanded measurement uncertainty for this test item is U = 0.626 kHz, 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.

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

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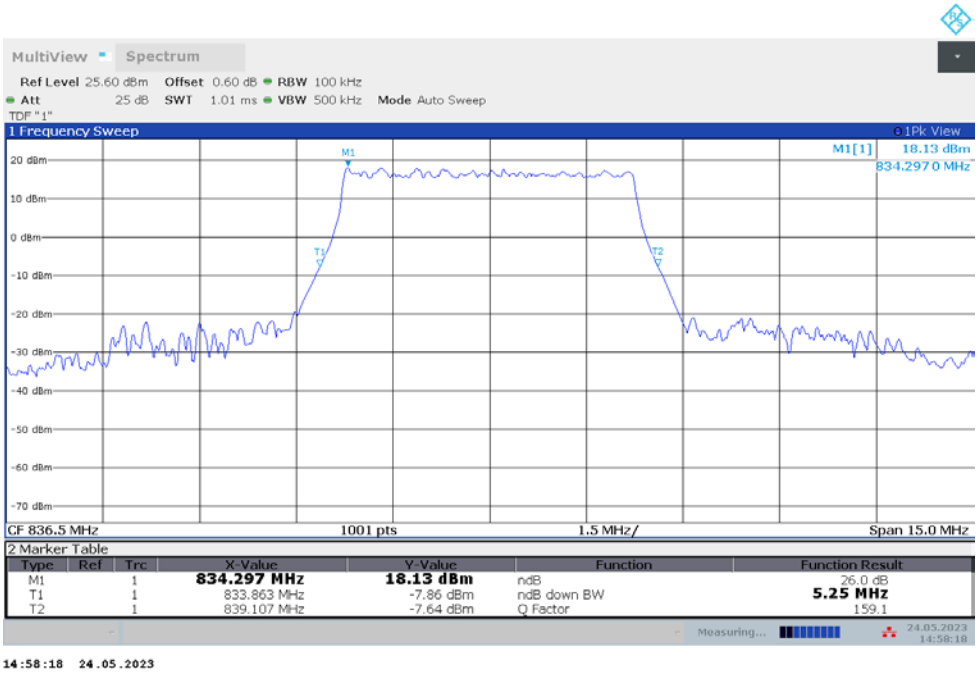
n5

n5,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	5.245	5.245

n5,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)

n5,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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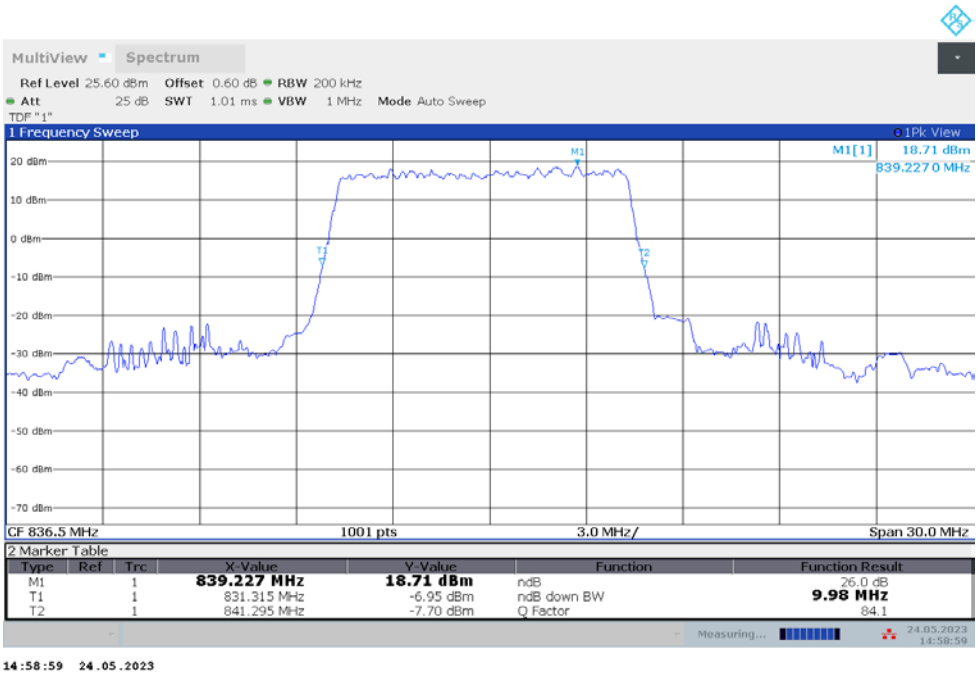
n5

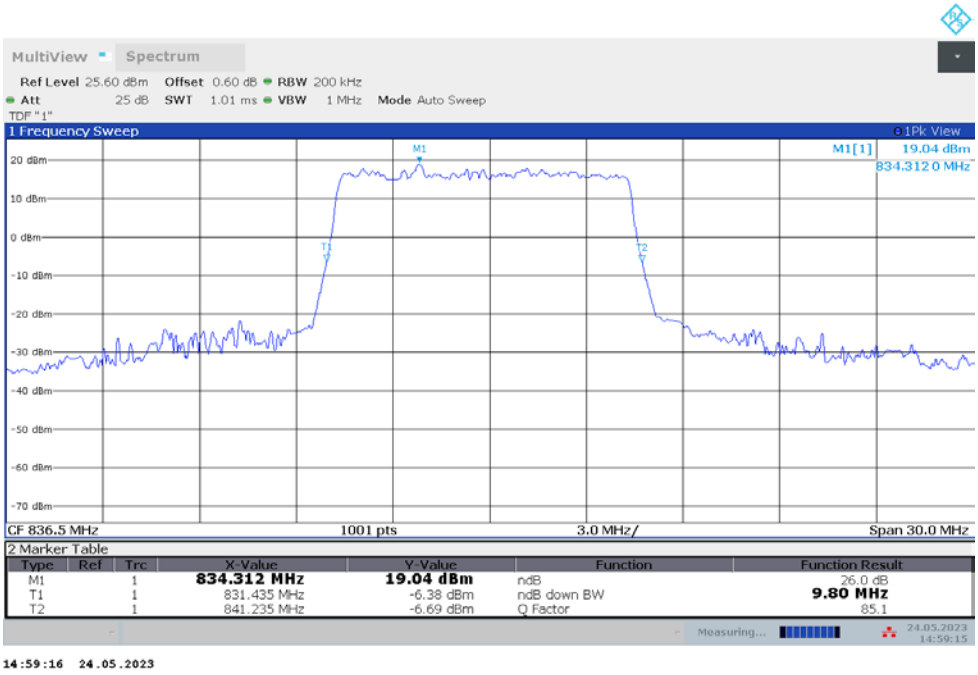
n5,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	9.980	9.800

n5,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n5,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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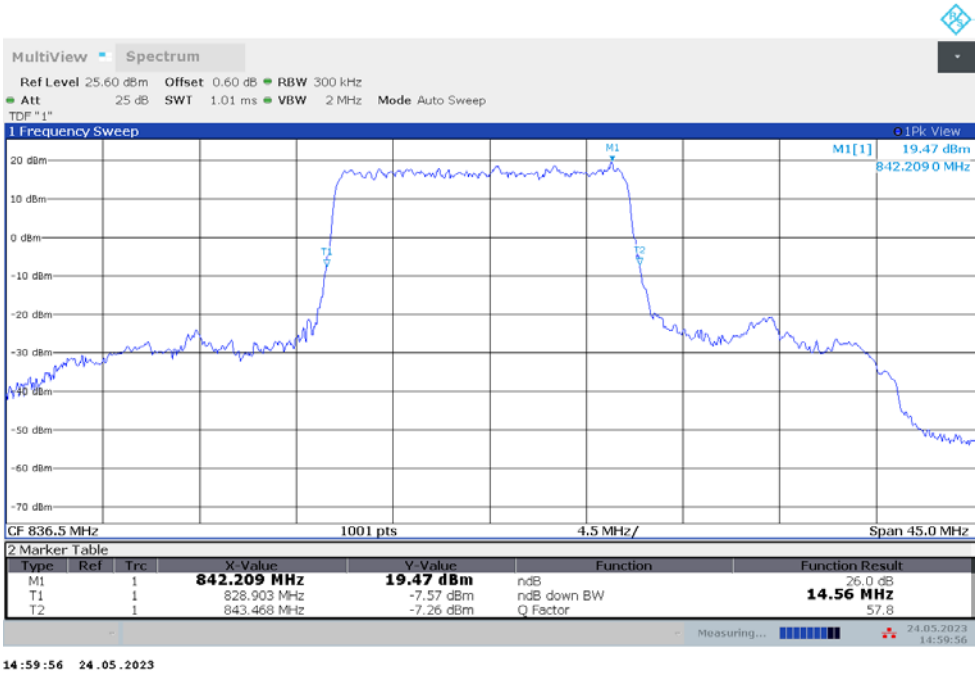
n5

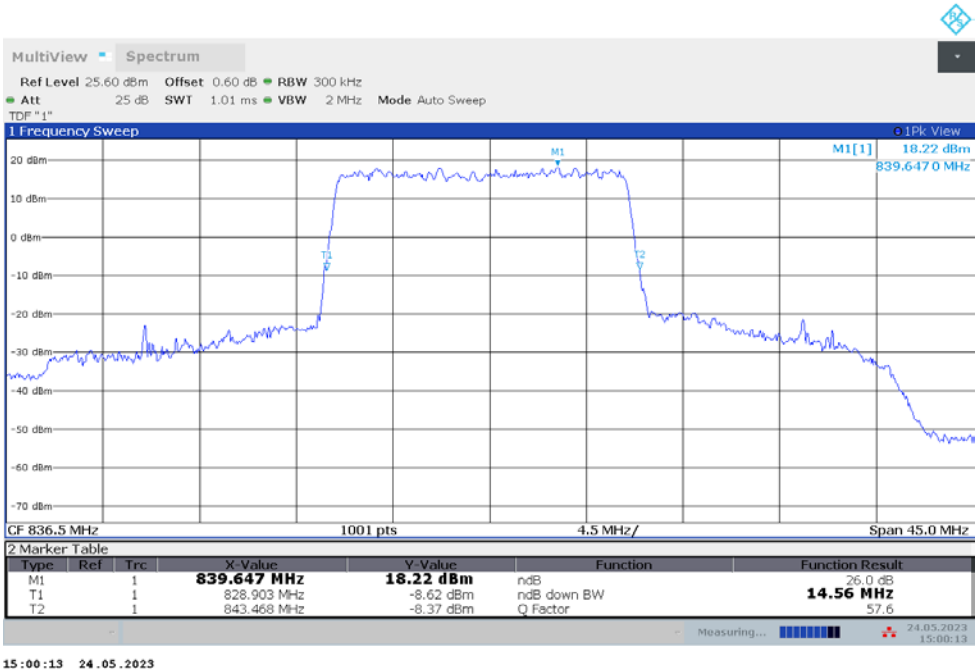
n5,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	14.565	14.565

n5,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n5,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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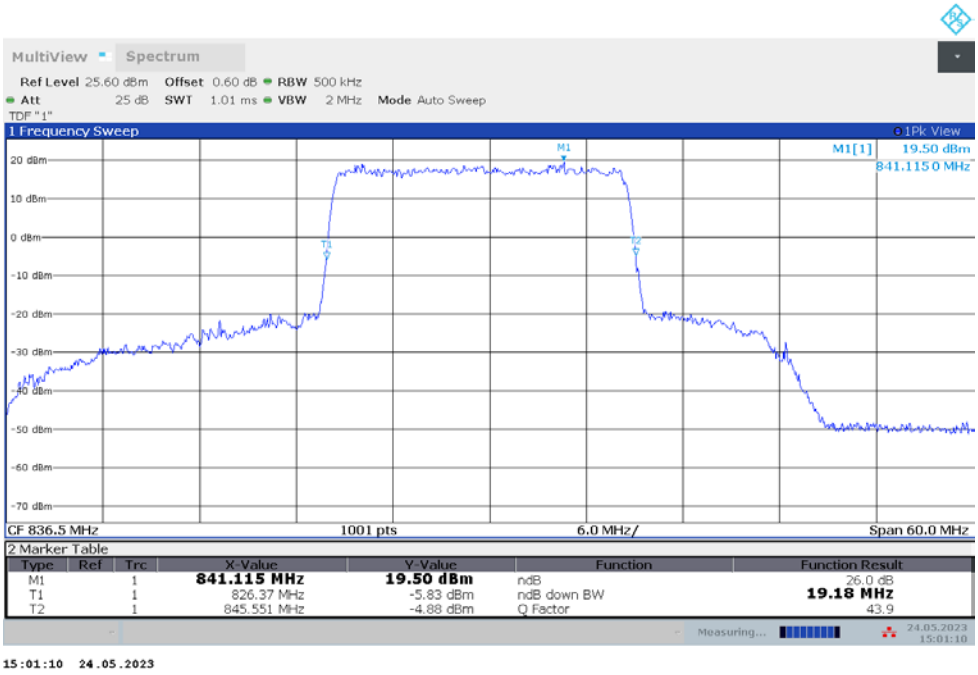
n5

n5,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	19.301	19.181

n5,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)

n5,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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