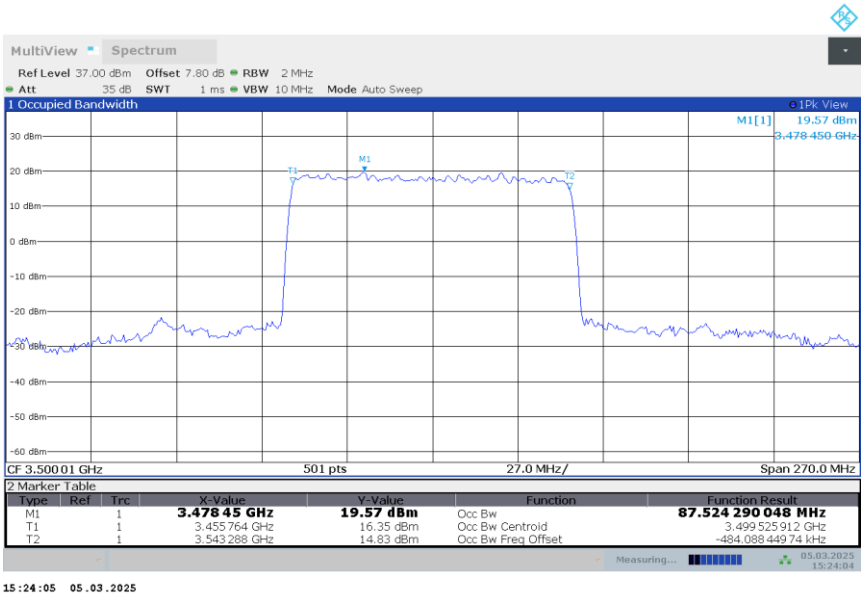
n77L

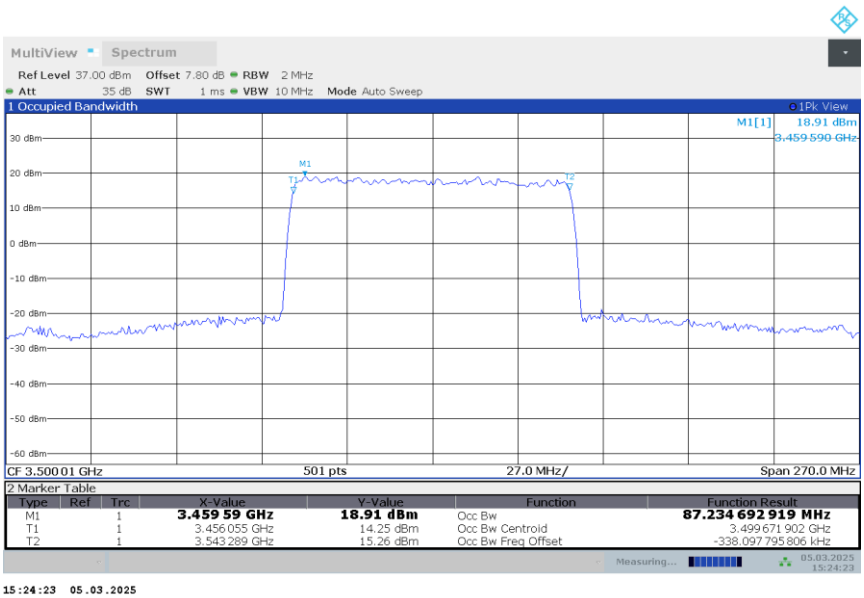
n77L,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	87.524	87.235	87.323

n77L,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77L,90MHz Bandwidth,DFT-s-QPSK (99% BW)



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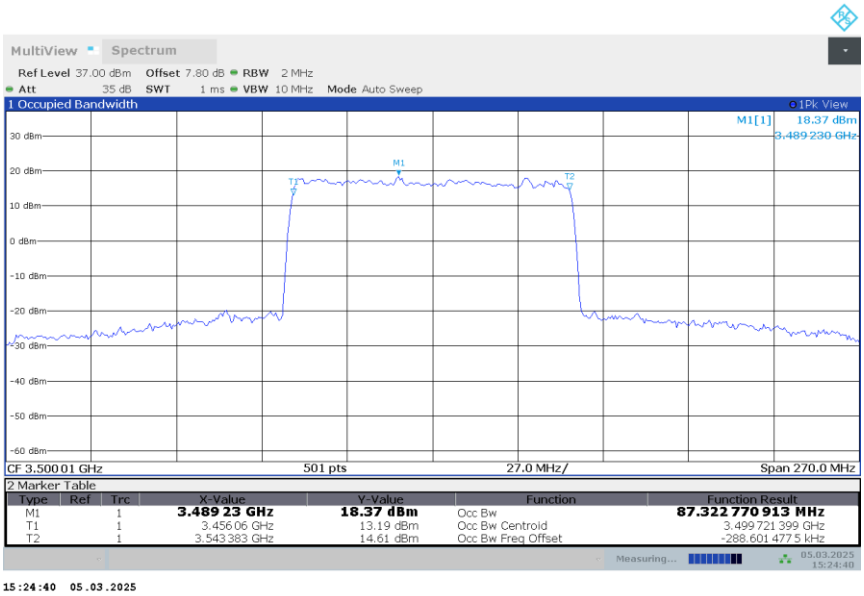
n77L,90MHz Bandwidth,DFT-s-16QAM (99% BW)



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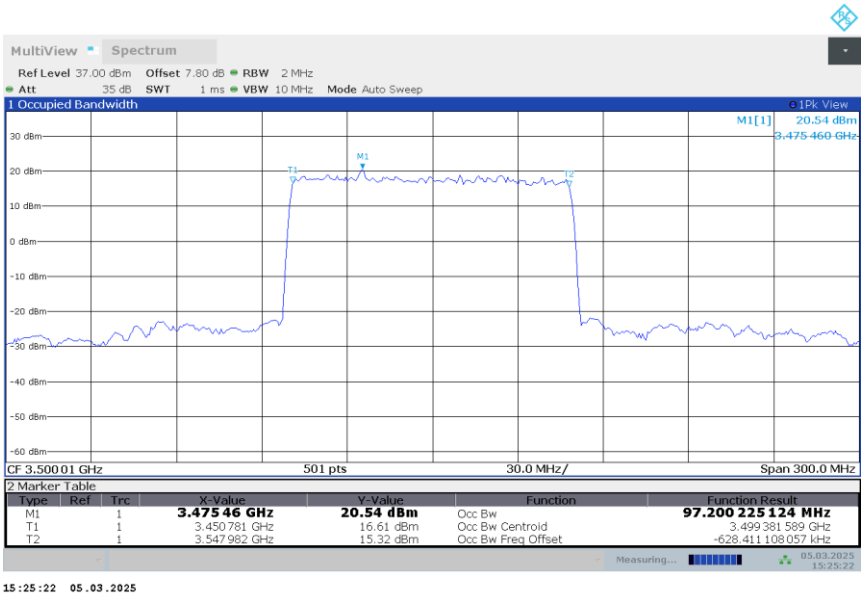
n77L

n77L,100MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	97.200	96.795	96.891

n77L,100MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



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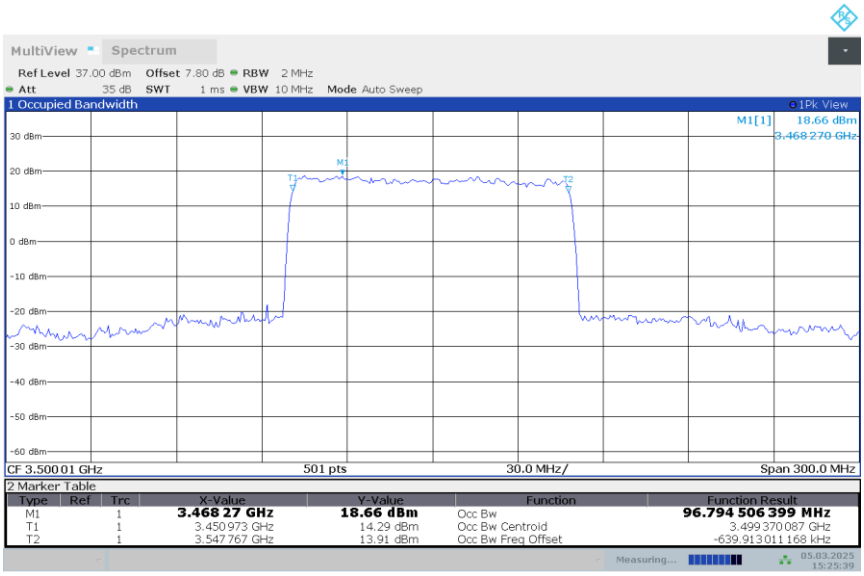
n77L,100MHz Bandwidth,DFT-s-QPSK (99% BW)



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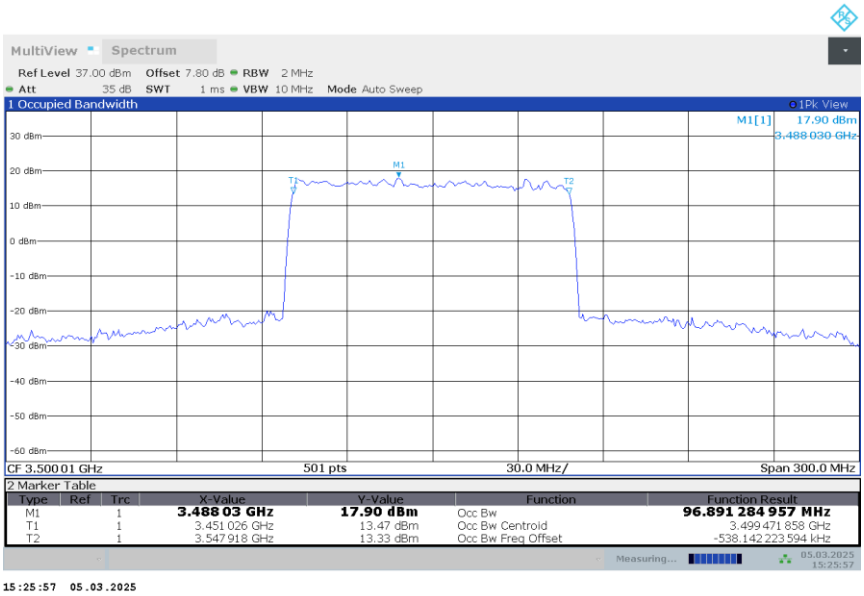
n77L,100MHz Bandwidth,DFT-s-16QAM (99% BW)



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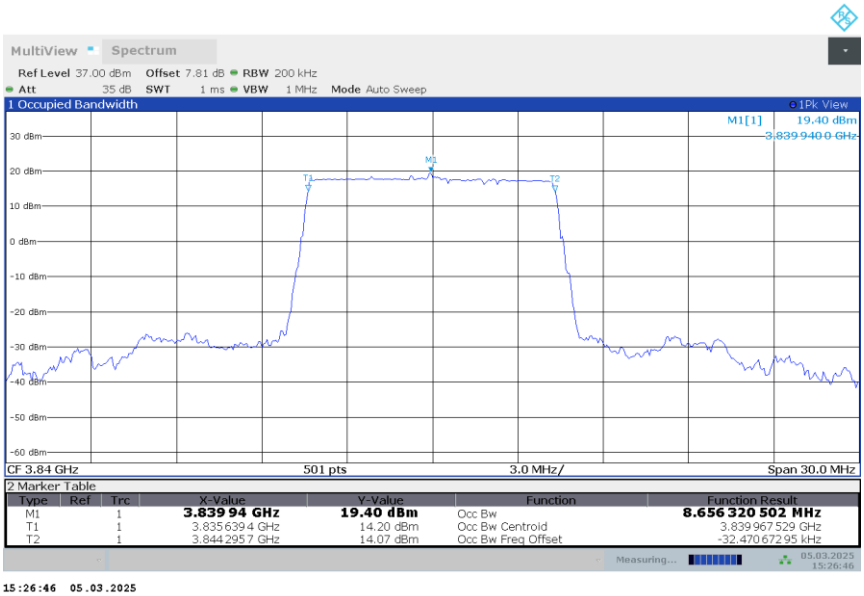
n77H

n77H,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	8.656	8.631	8.612

n77H,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



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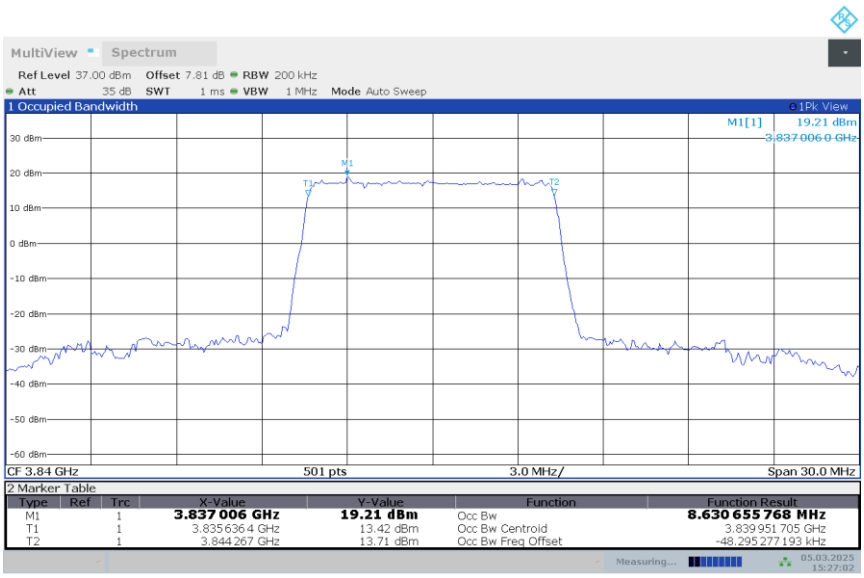
n77H,10MHz Bandwidth,DFT-s-QPSK (99% BW)



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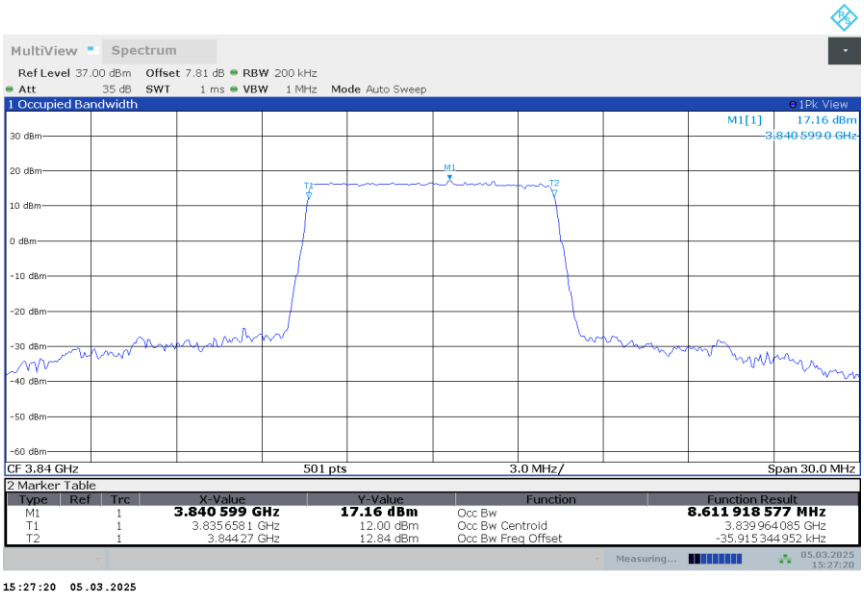
n77H,10MHz Bandwidth,DFT-s-16QAM (99% BW)



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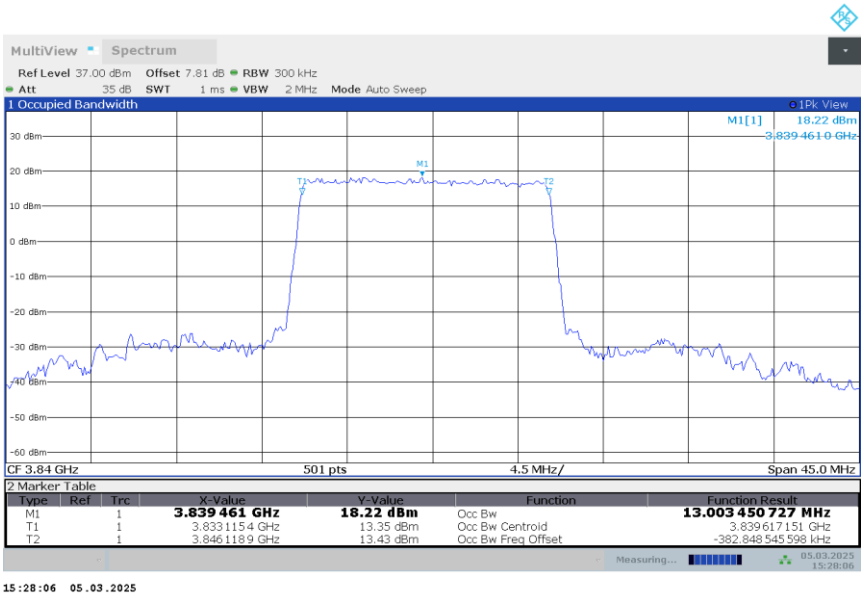
n77H

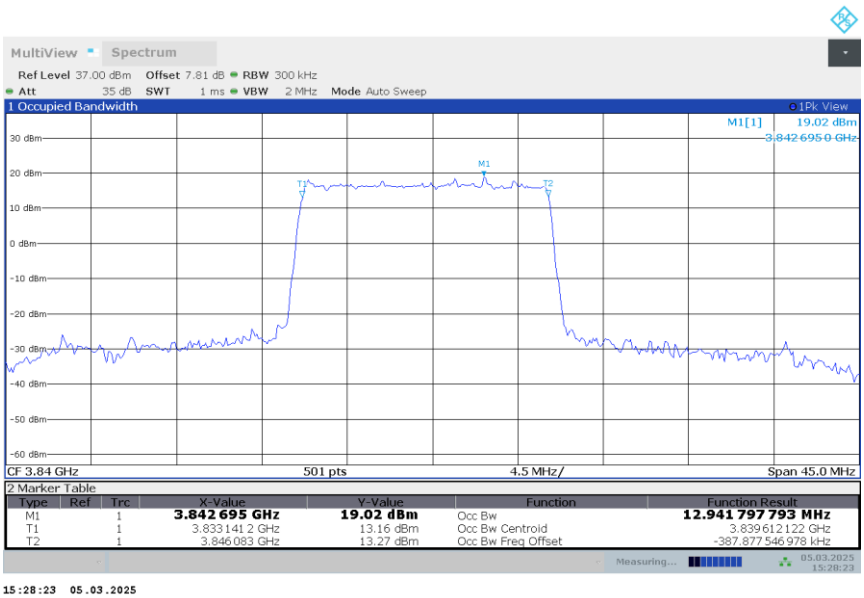
n77H,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	13.003	12.942	12.984

n77H,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,15MHz Bandwidth,DFT-s-QPSK (99% BW)



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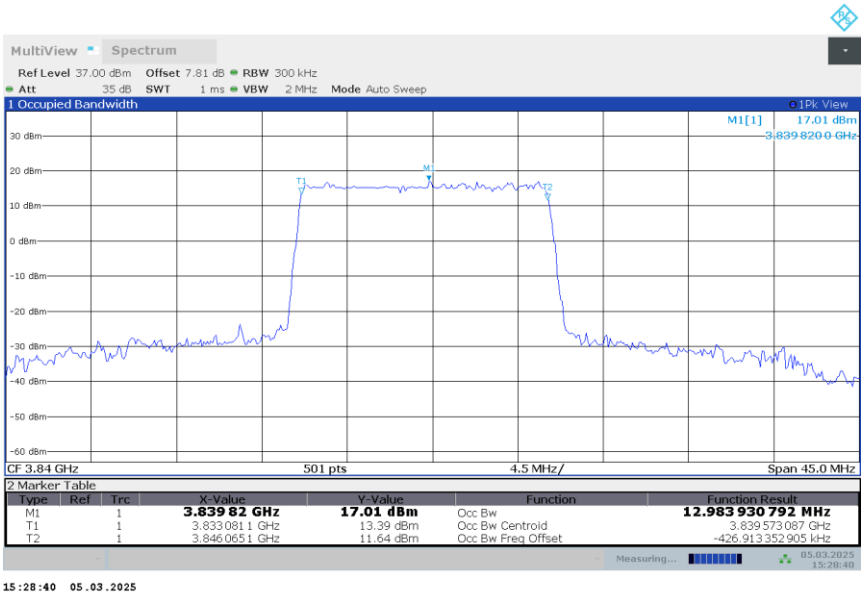
n77H,15MHz Bandwidth,DFT-s-16QAM (99% BW)



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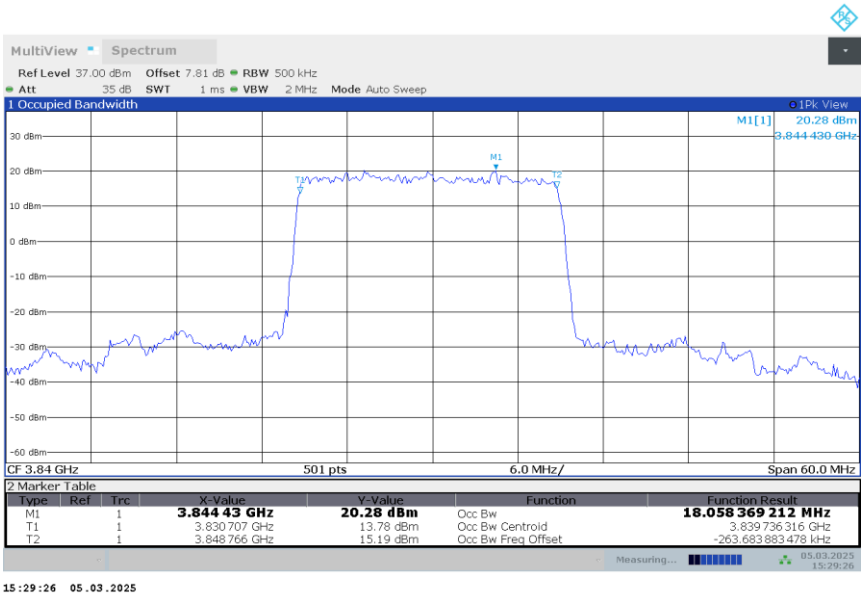
n77H

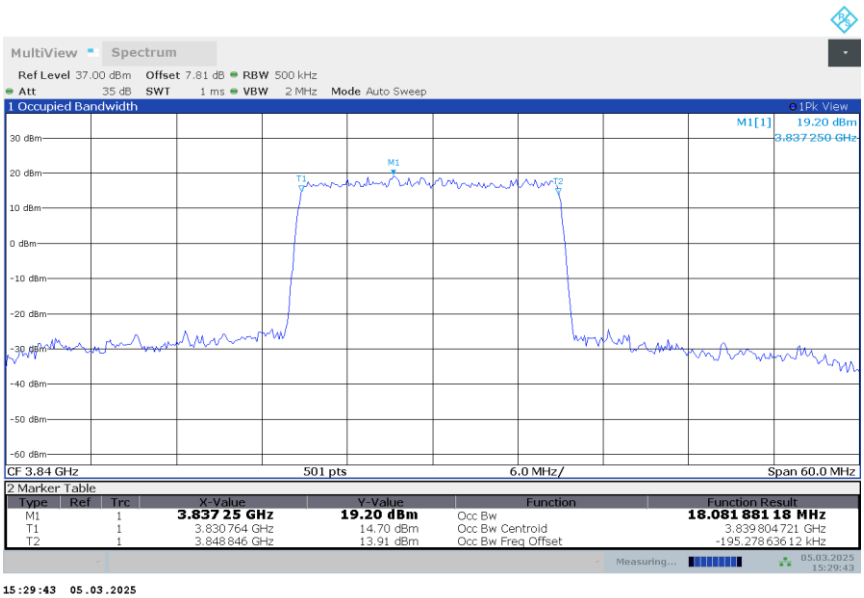
n77H,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	18.058	18.082	18.066

n77H,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,20MHz Bandwidth,DFT-s-QPSK (99% BW)



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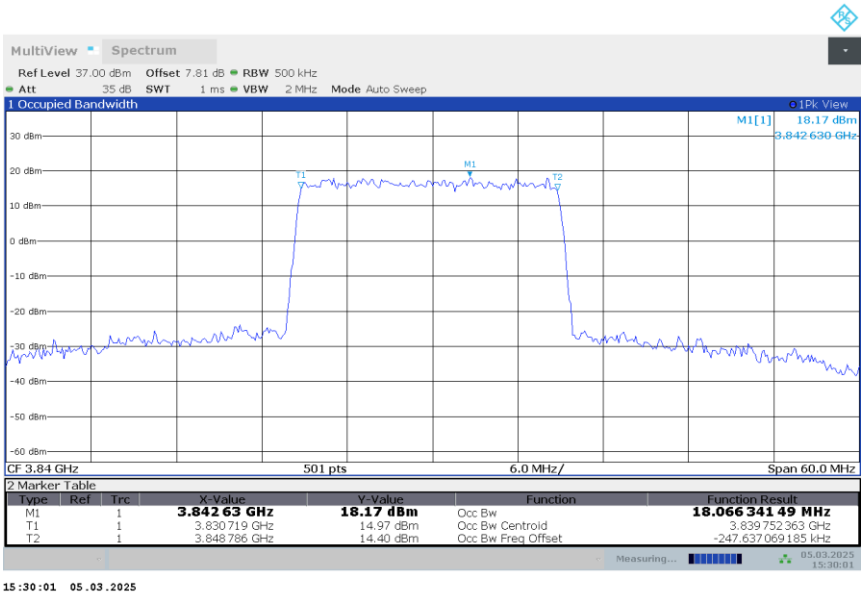
n77H,20MHz Bandwidth,DFT-s-16QAM (99% BW)



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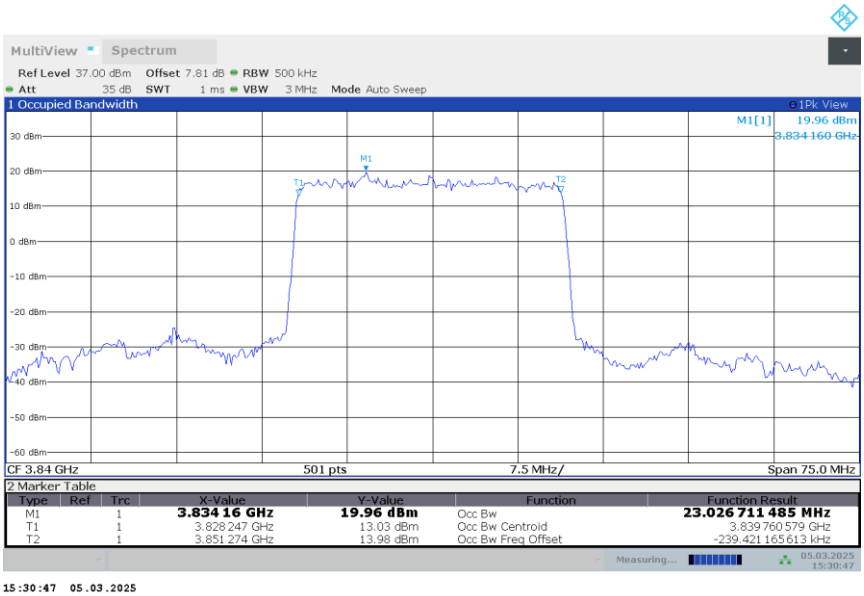
n77H

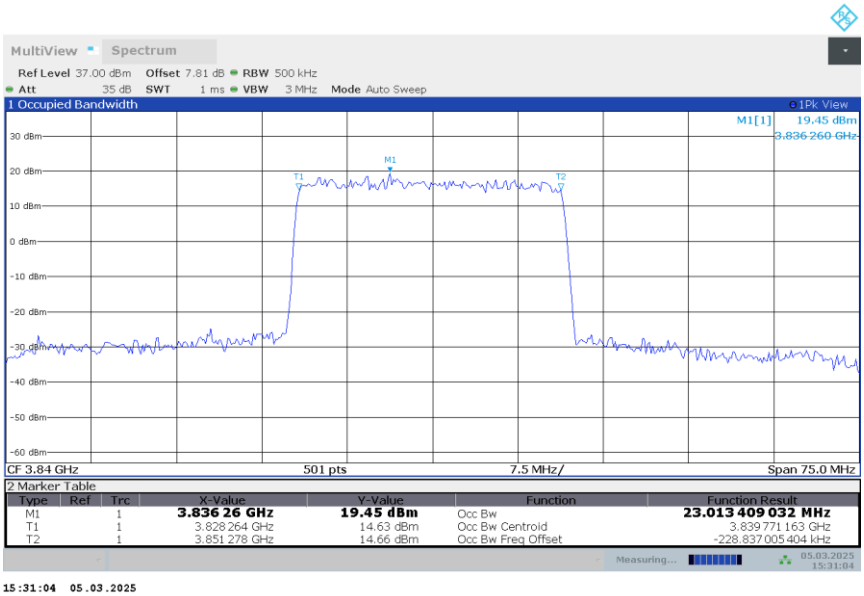
n77H,25MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	23.027	23.013	22.963

n77H,25MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,25MHz Bandwidth,DFT-s-QPSK (99% BW)



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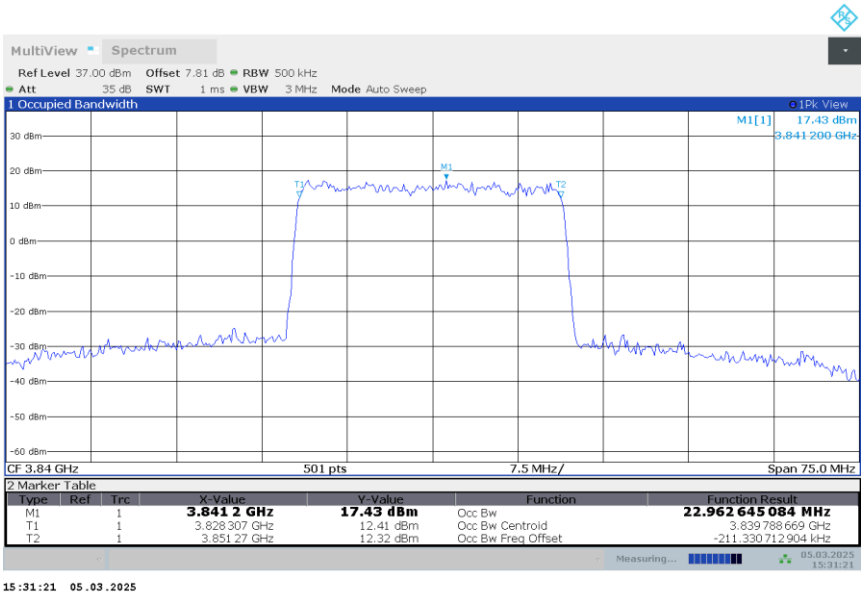
n77H,25MHz Bandwidth,DFT-s-16QAM (99% BW)



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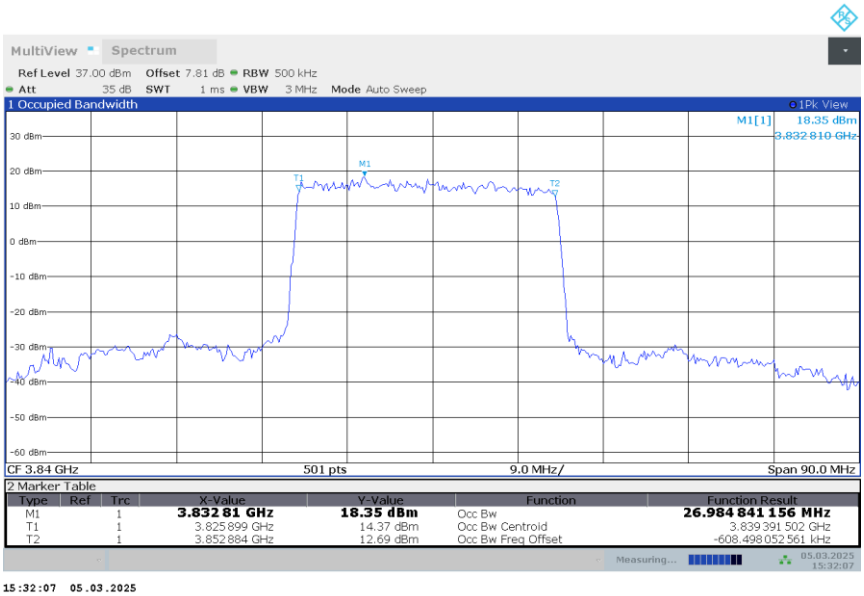
n77H

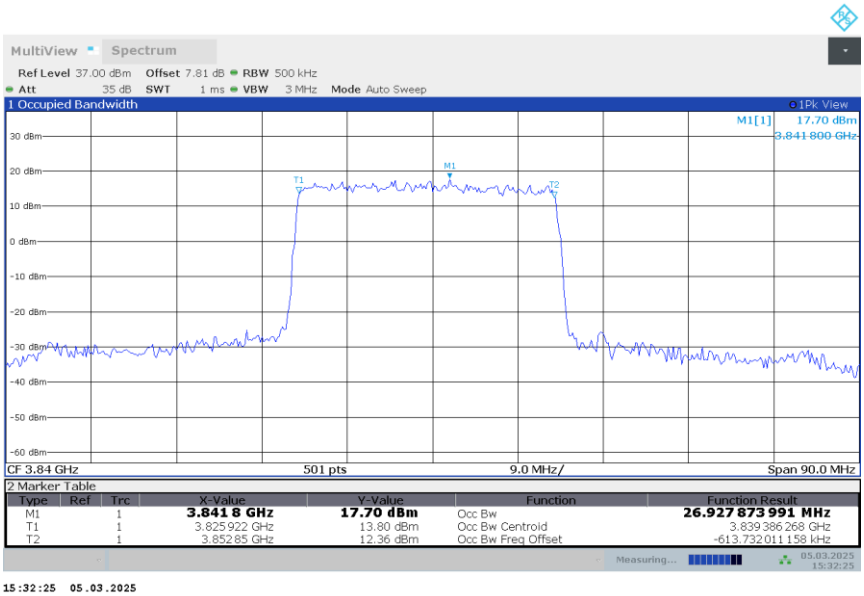
n77H,30MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	26.985	26.928	26.913

n77H,30MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,30MHz Bandwidth,DFT-s-QPSK (99% BW)



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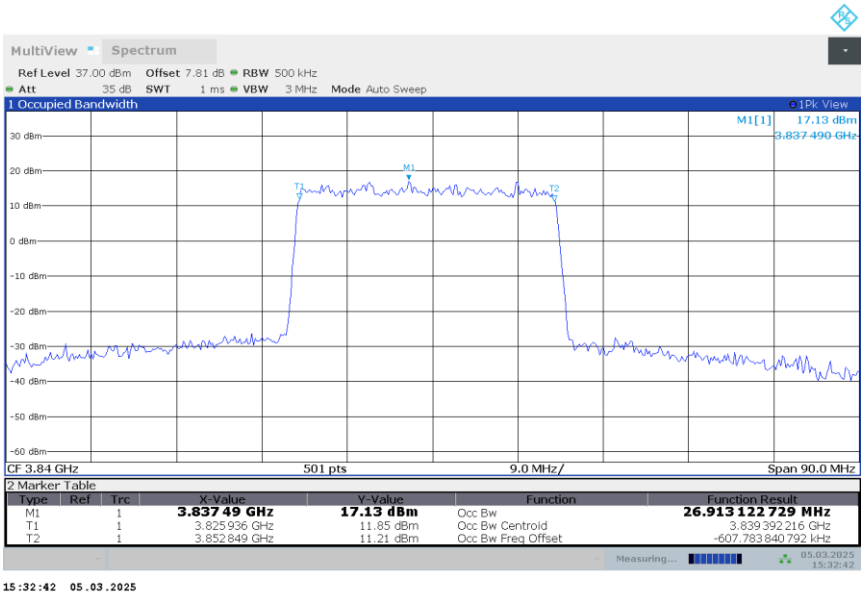
n77H,30MHz Bandwidth,DFT-s-16QAM (99% BW)



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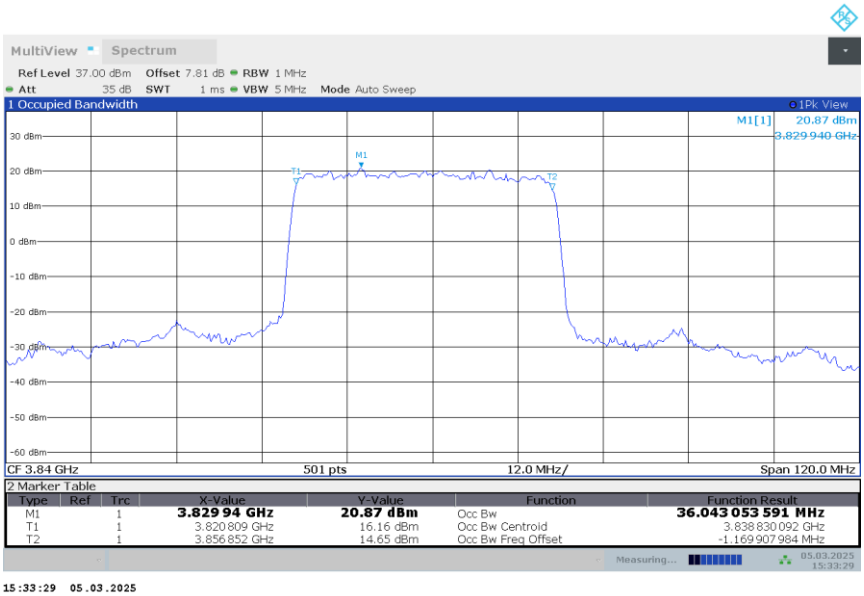
n77H

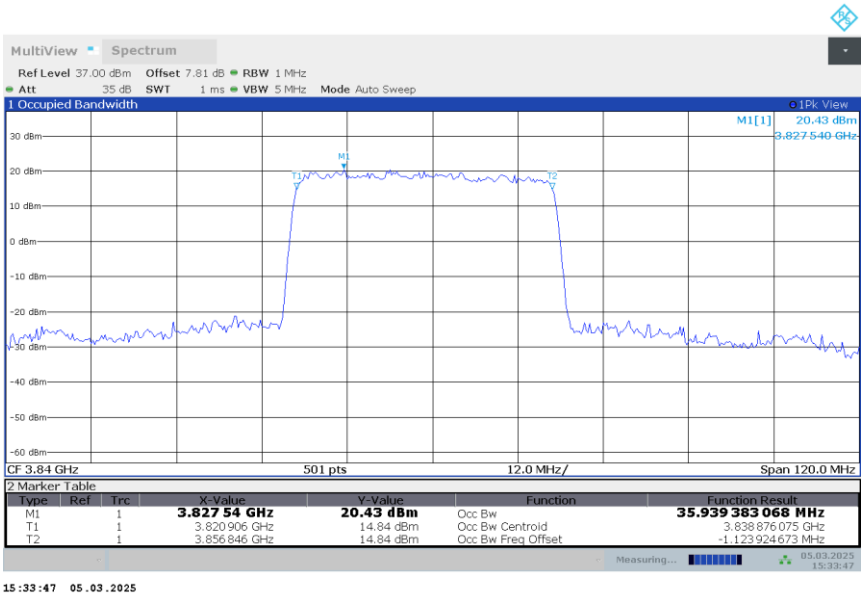
n77H,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	36.043	35.939	35.953

n77H,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,40MHz Bandwidth,DFT-s-QPSK (99% BW)



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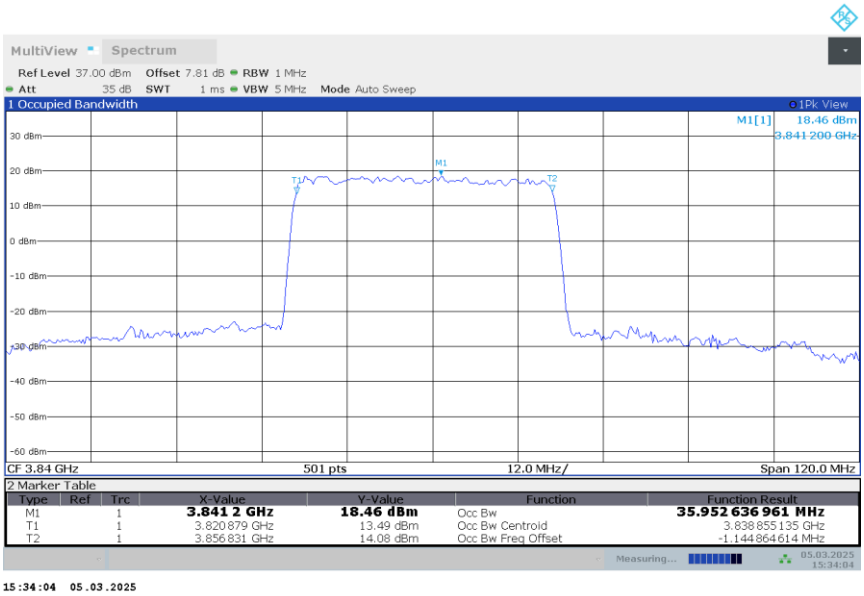
n77H,40MHz Bandwidth,DFT-s-16QAM (99% BW)



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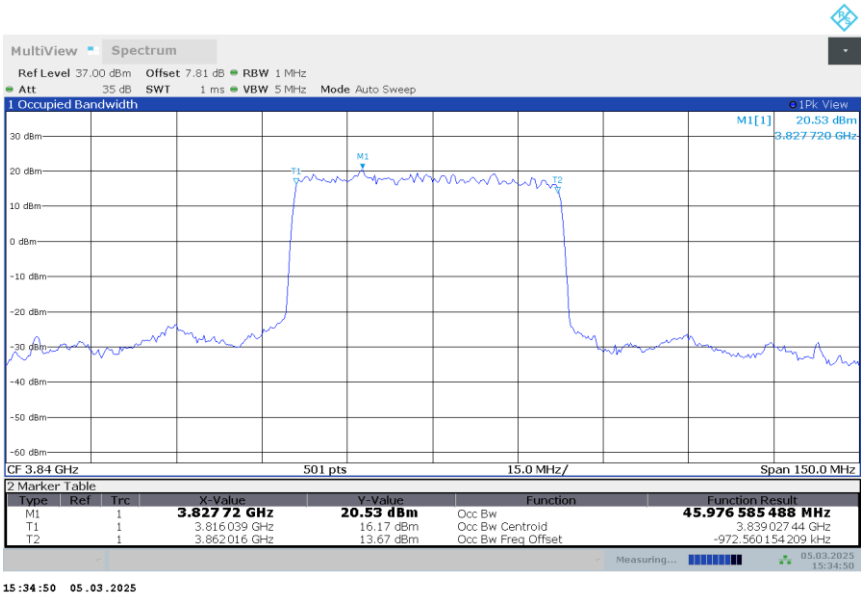
n77H

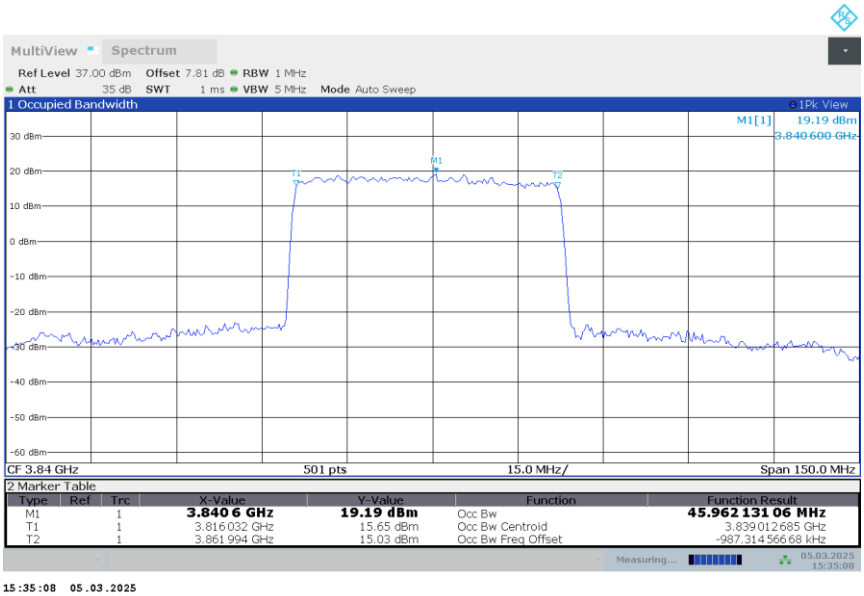
n77H,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	45.977	45.962	45.836

n77H,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,50MHz Bandwidth,DFT-s-QPSK (99% BW)



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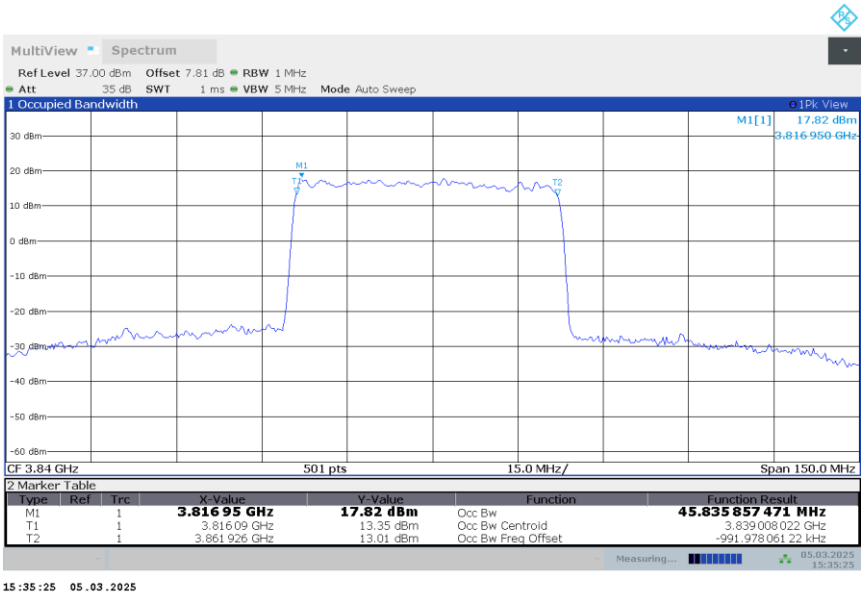
n77H,50MHz Bandwidth,DFT-s-16QAM (99% BW)



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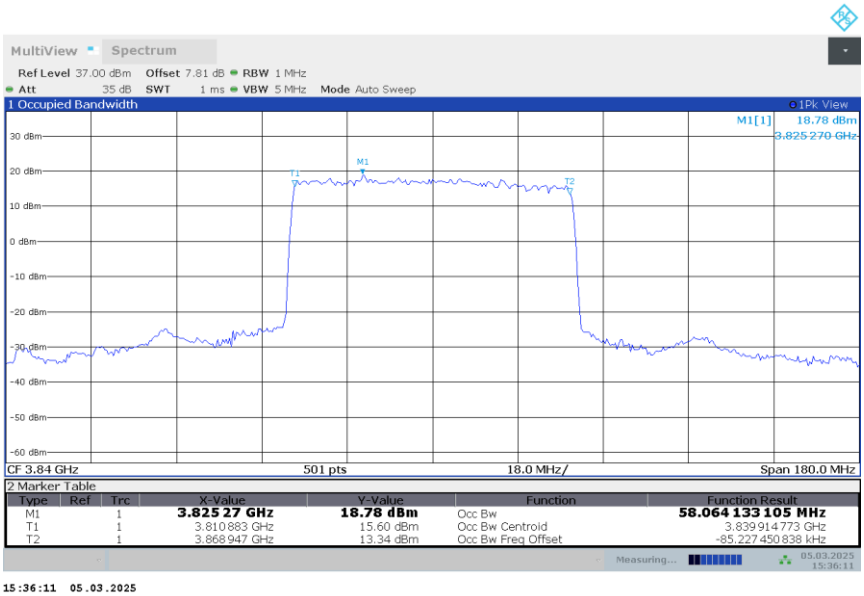
n77H

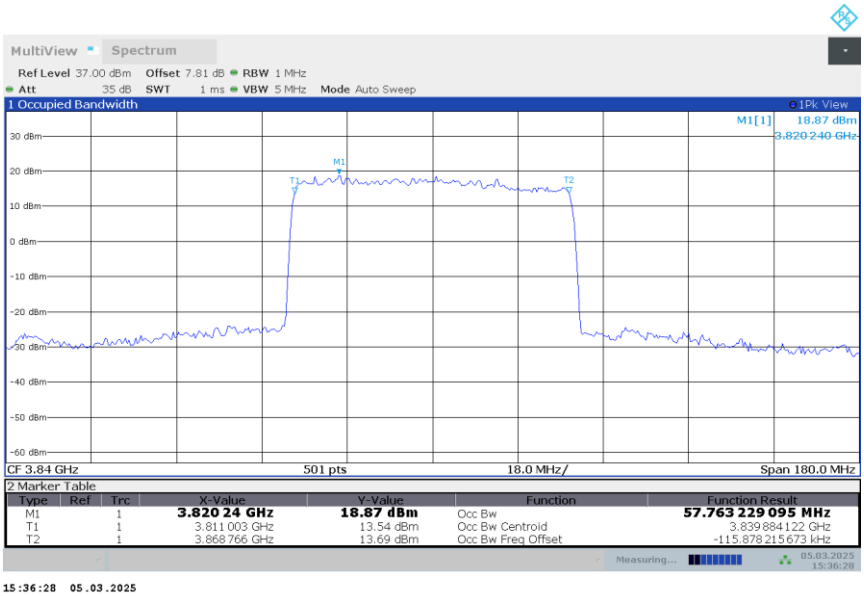
n77H,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	58.064	57.763	57.975

n77H,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,60MHz Bandwidth,DFT-s-QPSK (99% BW)



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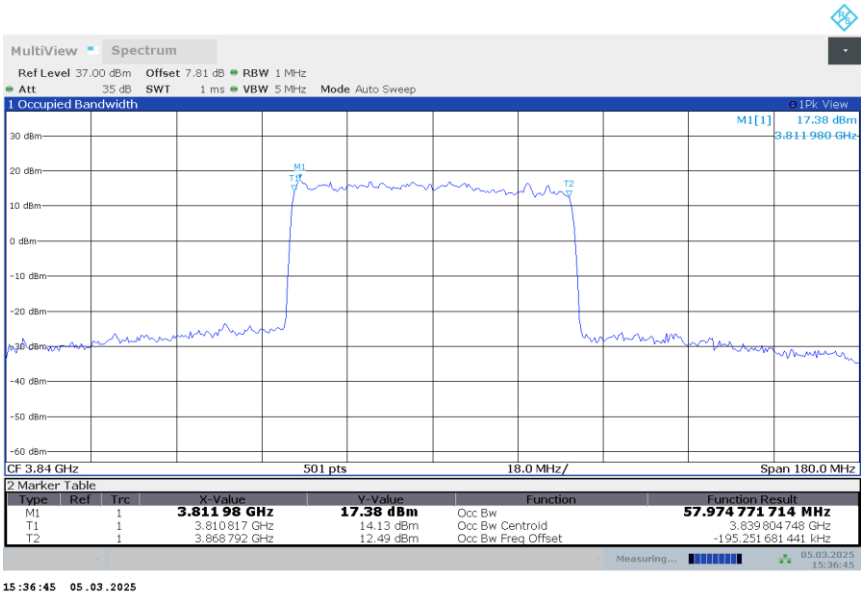
n77H,60MHz Bandwidth,DFT-s-16QAM (99% BW)



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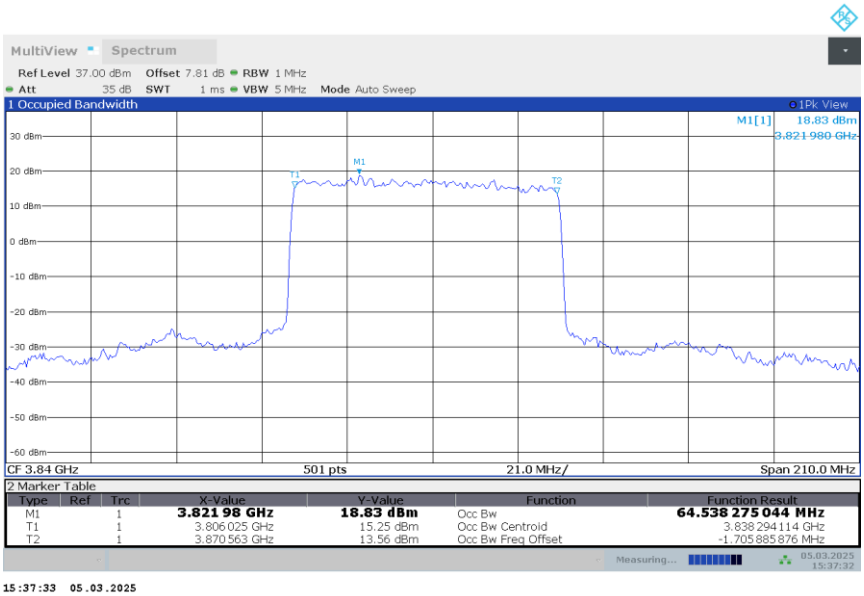
n77H

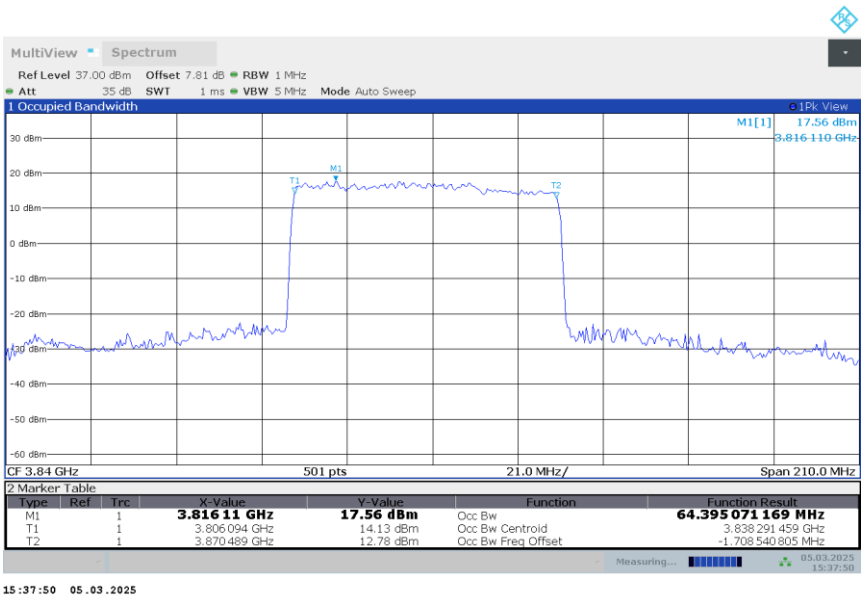
n77H,70MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	64.538	64.395	64.315

n77H,70MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,70MHz Bandwidth,DFT-s-QPSK (99% BW)



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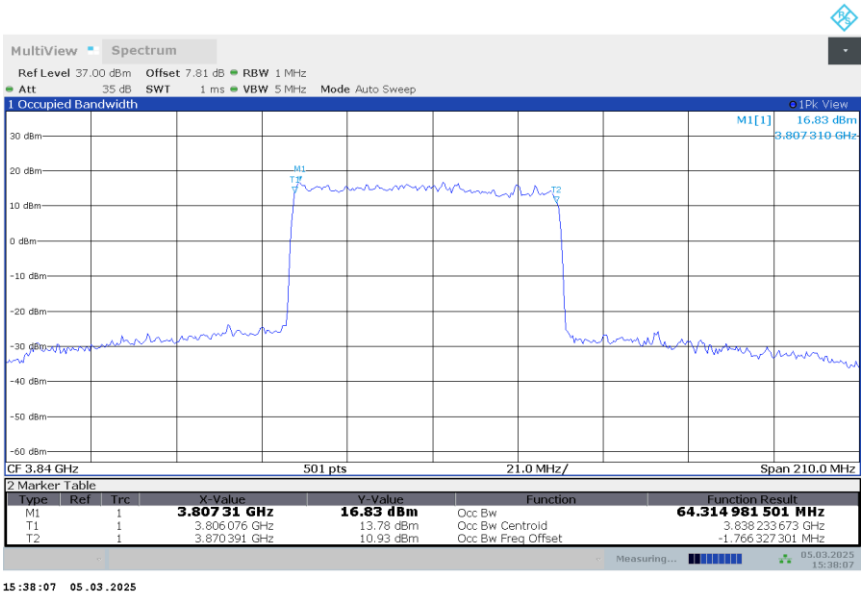
n77H,70MHz Bandwidth,DFT-s-16QAM (99% BW)



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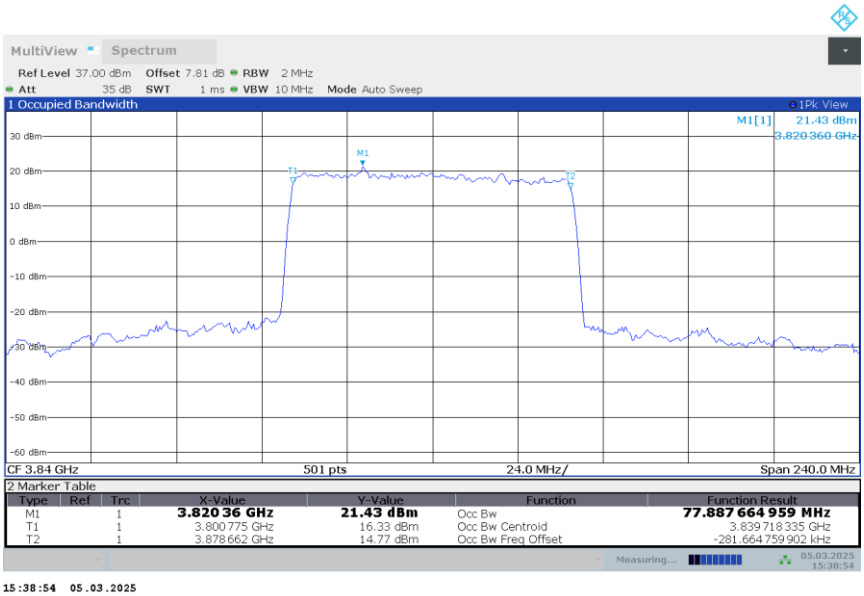
n77H

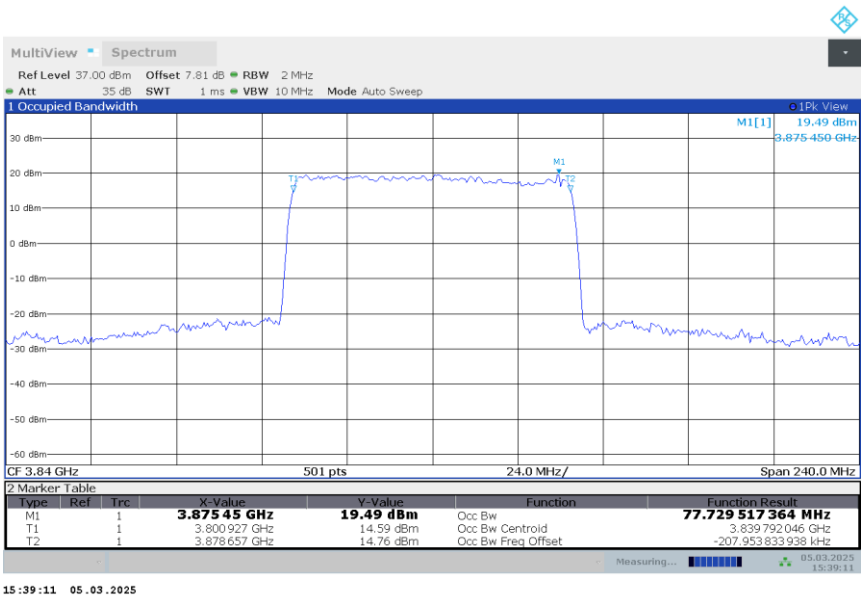
n77H,80MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	77.888	77.730	77.666

n77H,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,80MHz Bandwidth,DFT-s-QPSK (99% BW)



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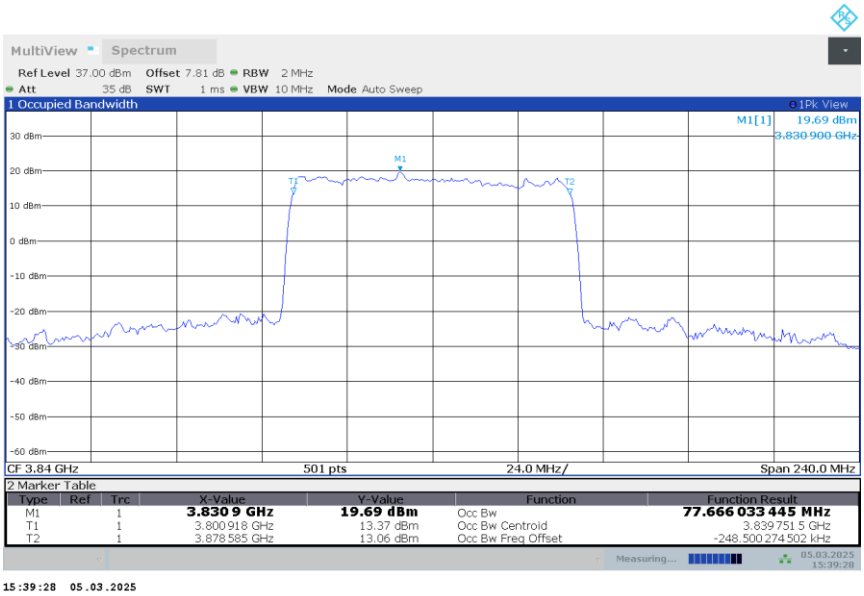
n77H,80MHz Bandwidth,DFT-s-16QAM (99% BW)



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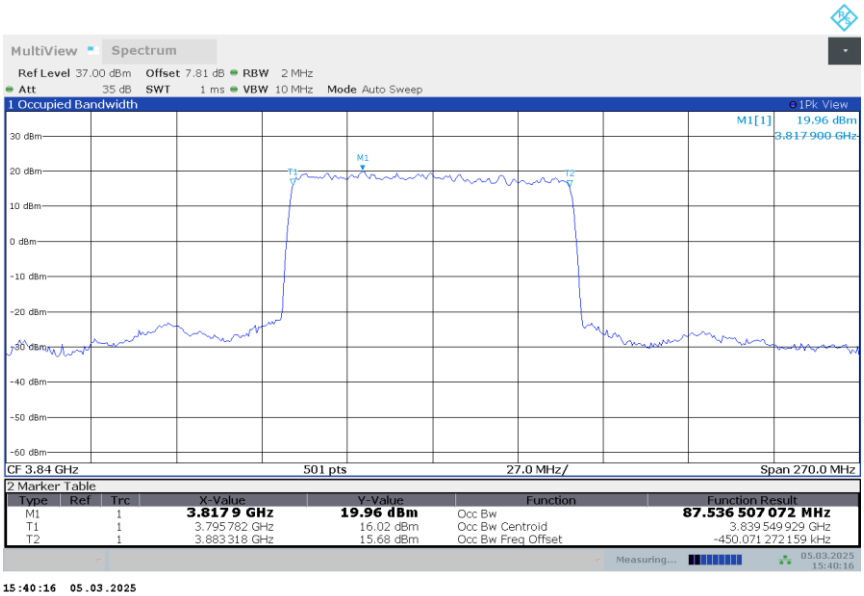
n77H

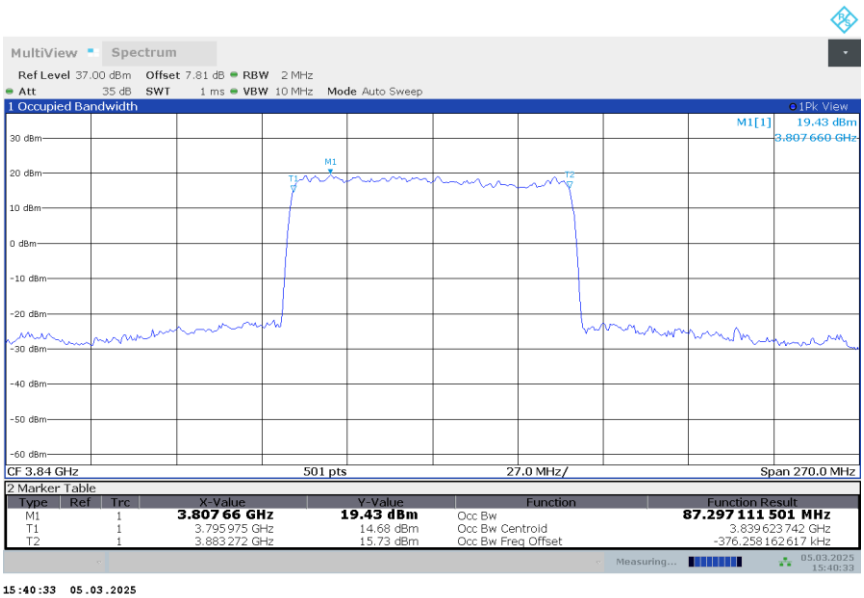
n77H,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	87.537	87.297	87.316

n77H,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,90MHz Bandwidth,DFT-s-QPSK (99% BW)



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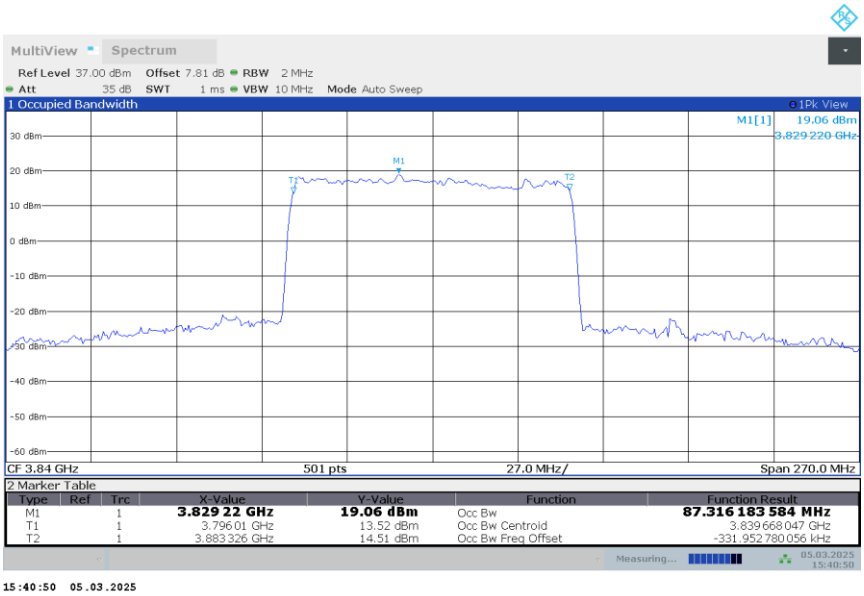
n77H,90MHz Bandwidth,DFT-s-16QAM (99% BW)



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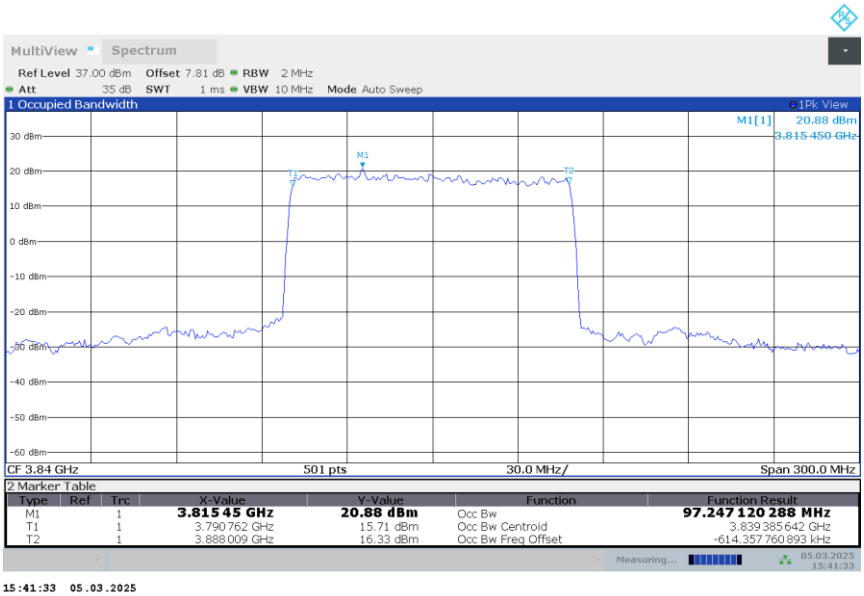
n77H

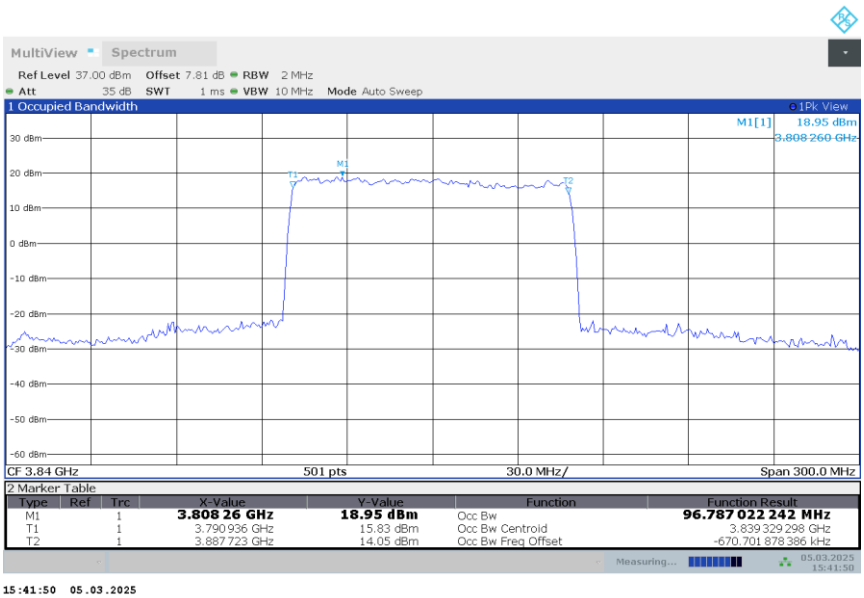
n77H,100MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	97.247	96.787	96.942

n77H,100MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n77H,100MHz Bandwidth,DFT-s-QPSK (99% BW)



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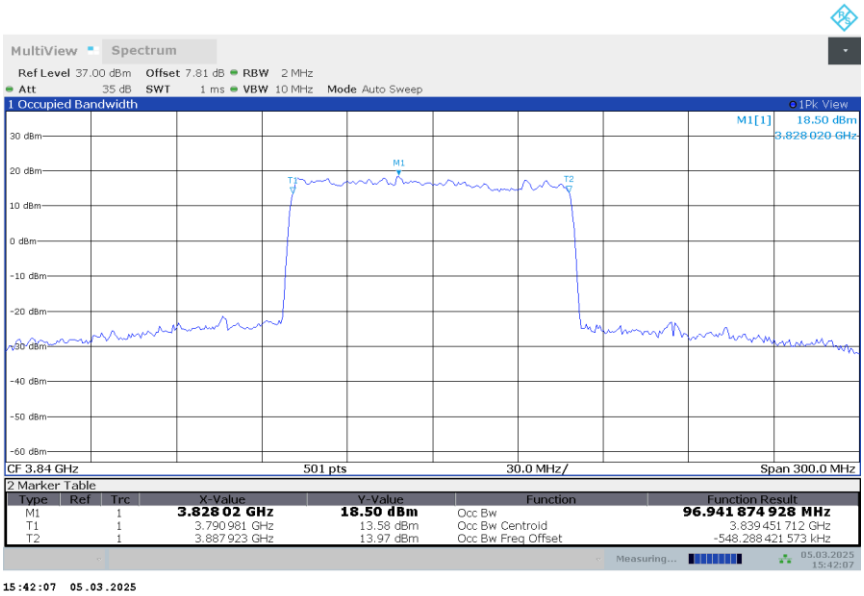
n77H,100MHz Bandwidth,DFT-s-16QAM (99% BW)



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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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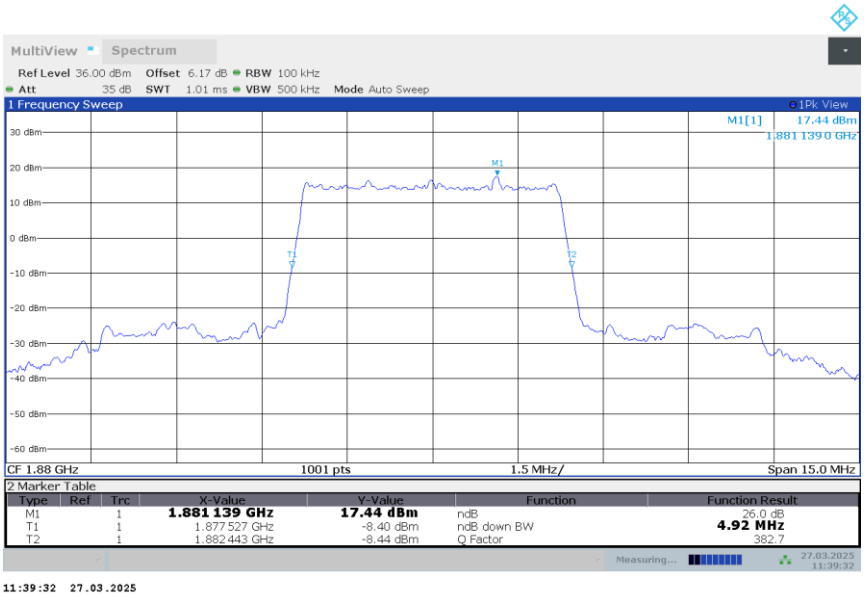
n2

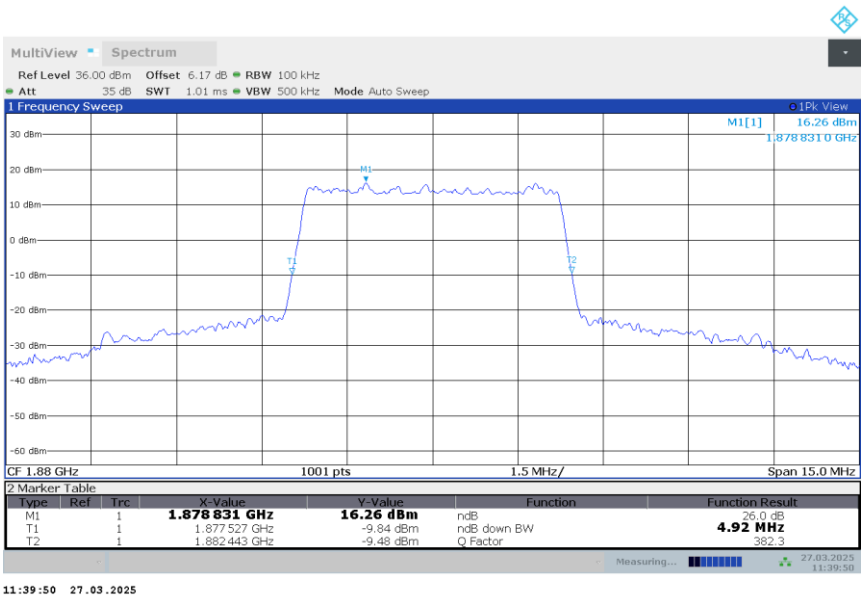
n2,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1880	4.915	4.915	4.960

n2,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n2,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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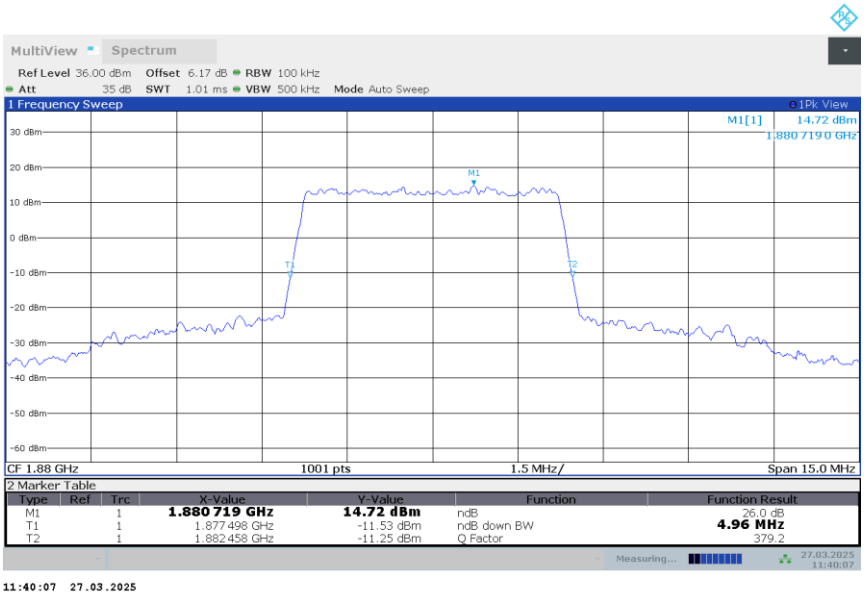
n2,5MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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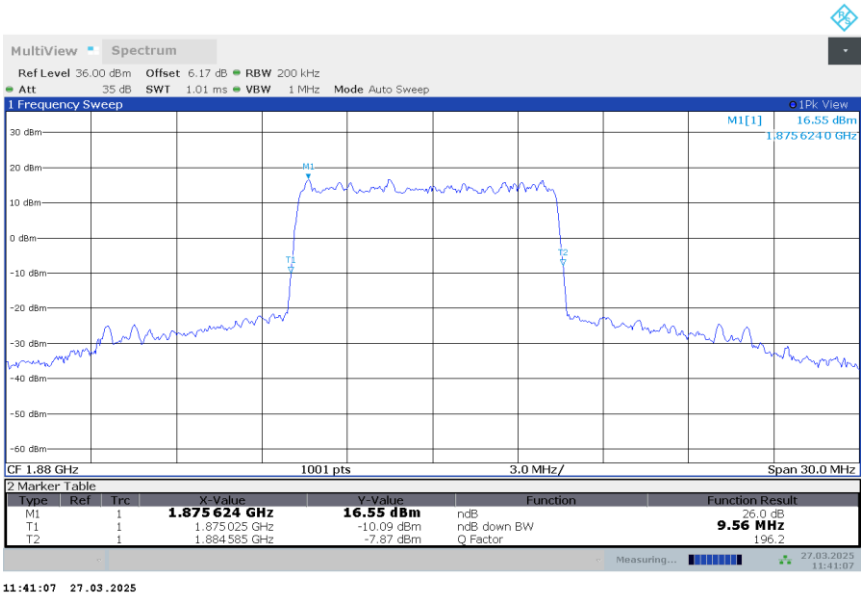
n2

n2,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1880	9.590	9.560	9.530

n2,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)

n2,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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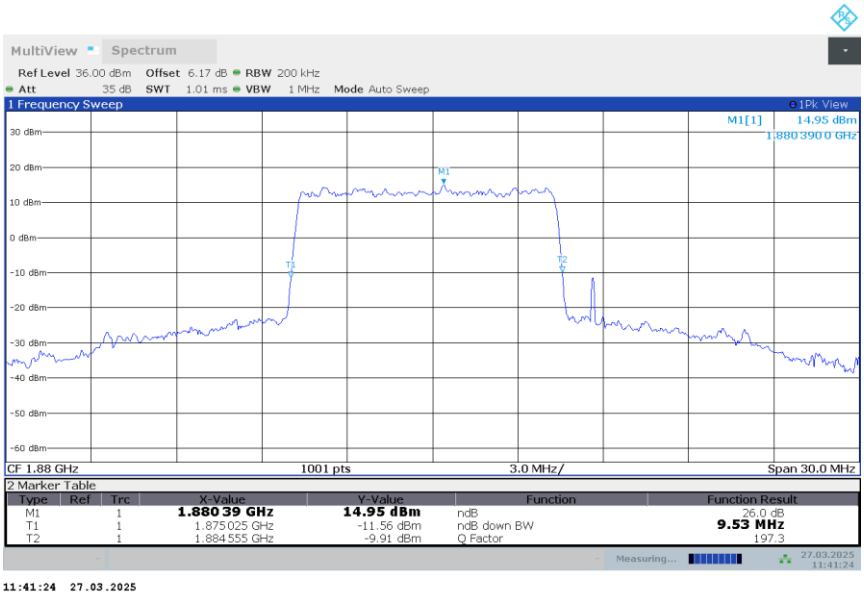
n2,10MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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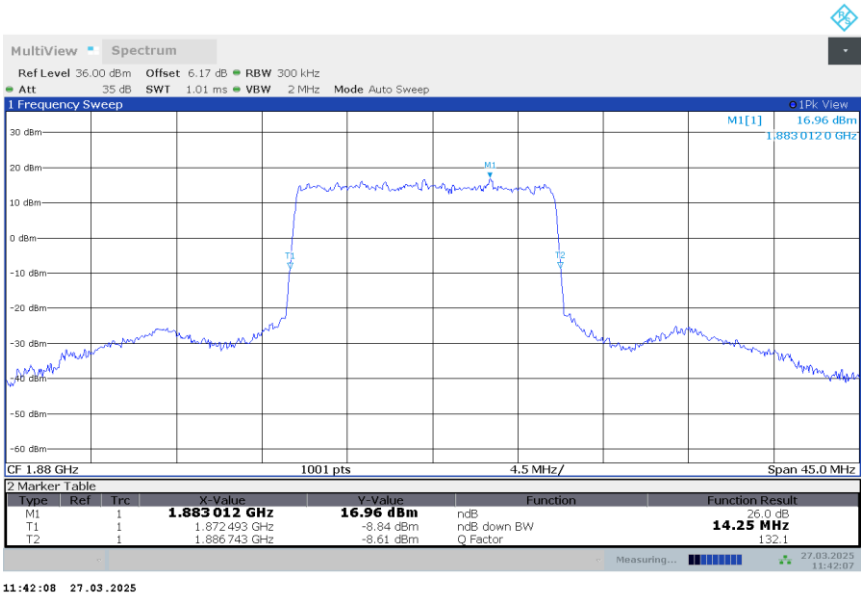
n2

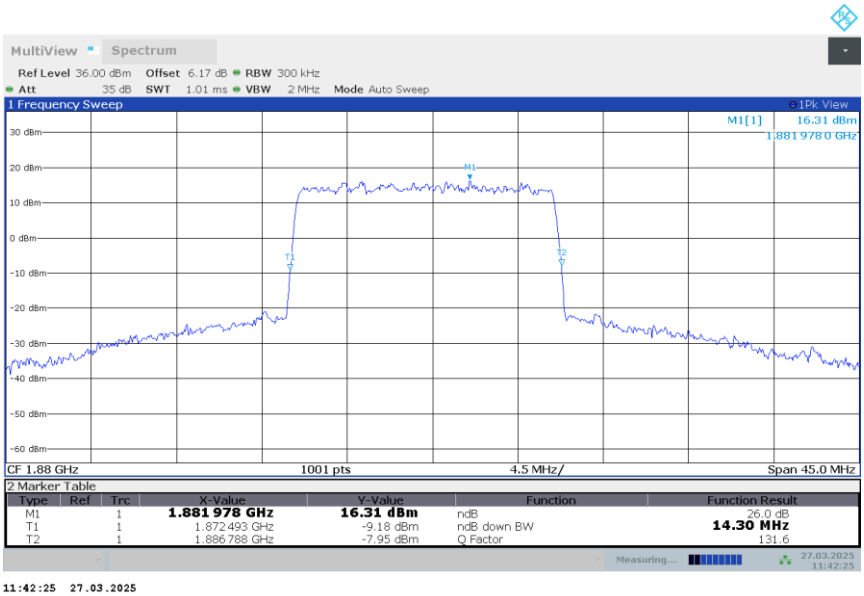
n2,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1880	14.251	14.296	14.251

n2,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n2,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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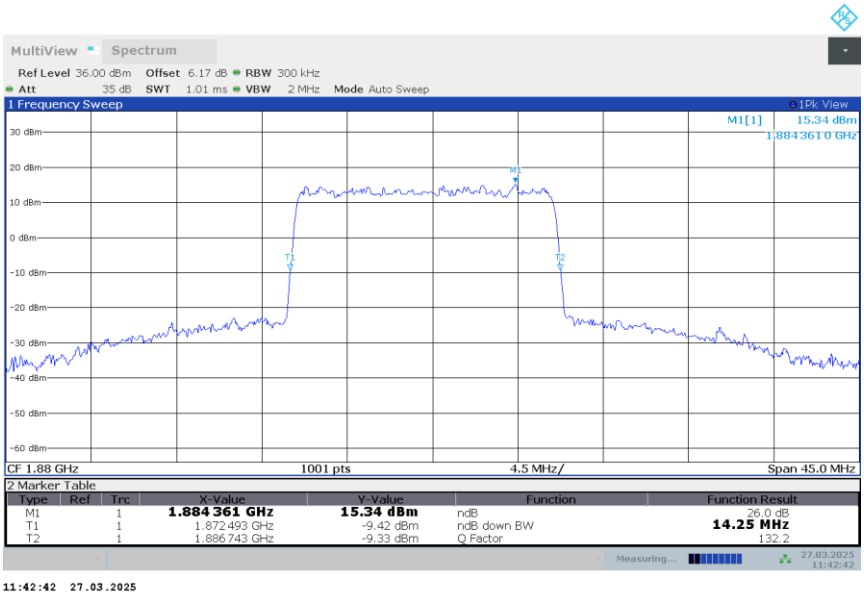
n2,15MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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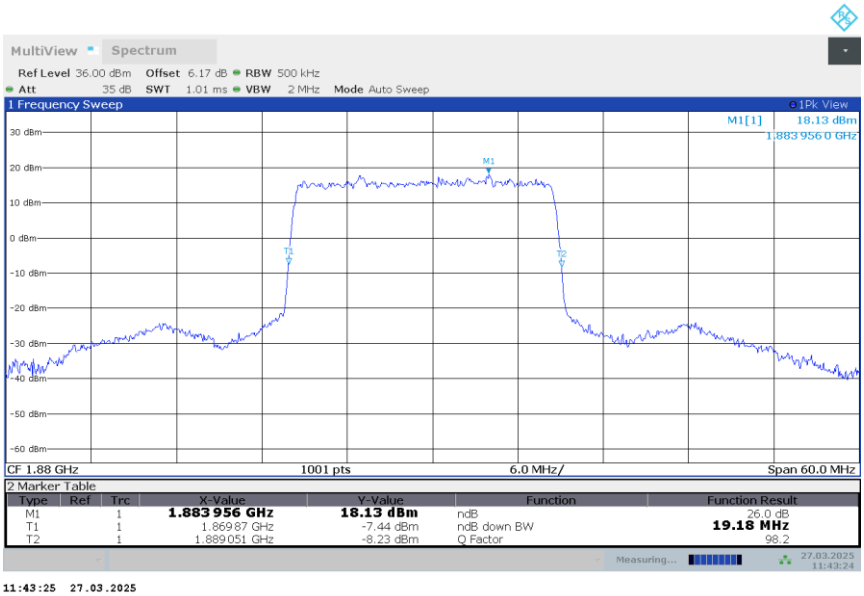
n2

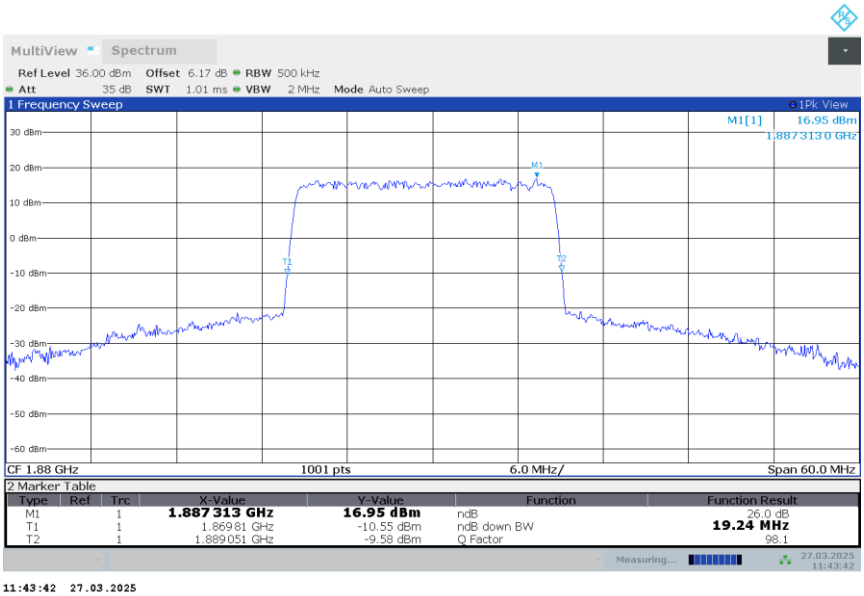
n2,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1880	19.181	19.241	19.181

n2,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n2,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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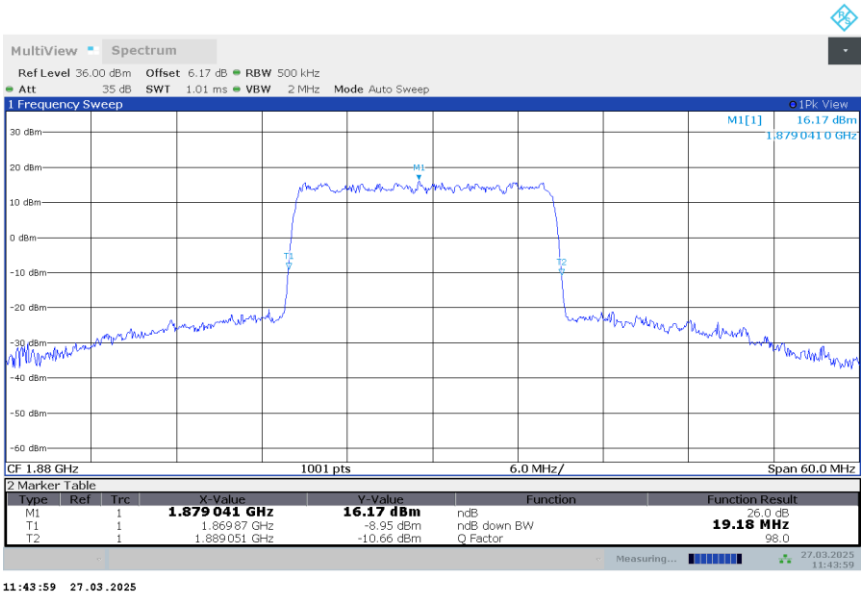
n2,20MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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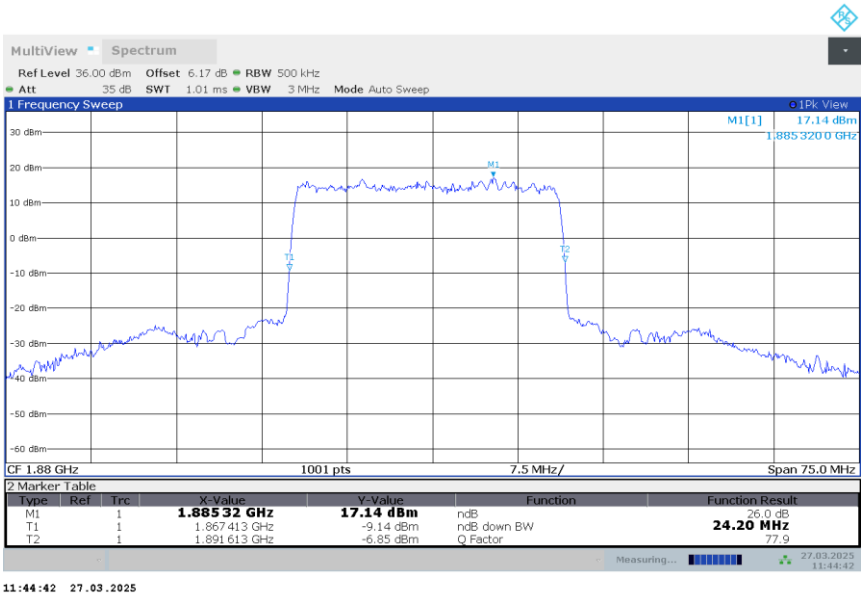
n2

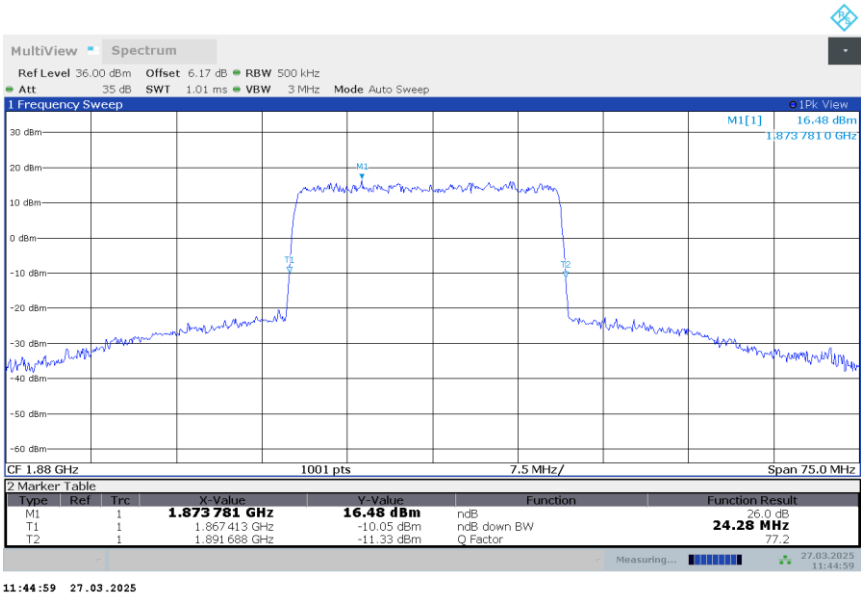
n2,25MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1880	24.201	24.276	24.201

n2,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n2,25MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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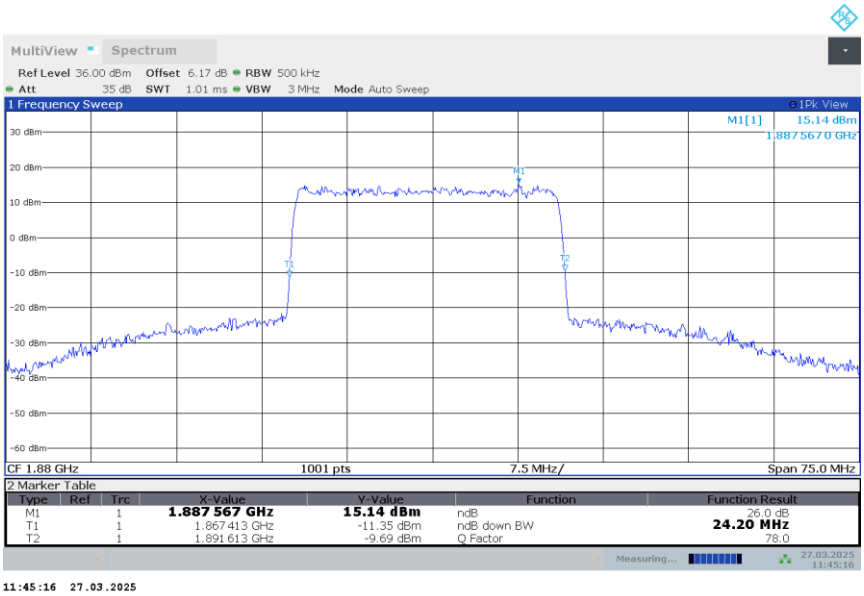
n2,25MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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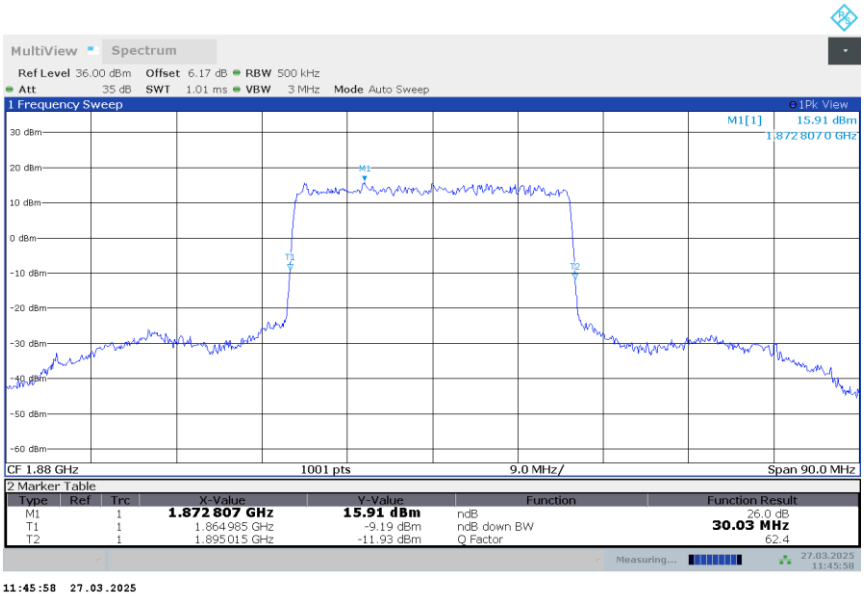
n2

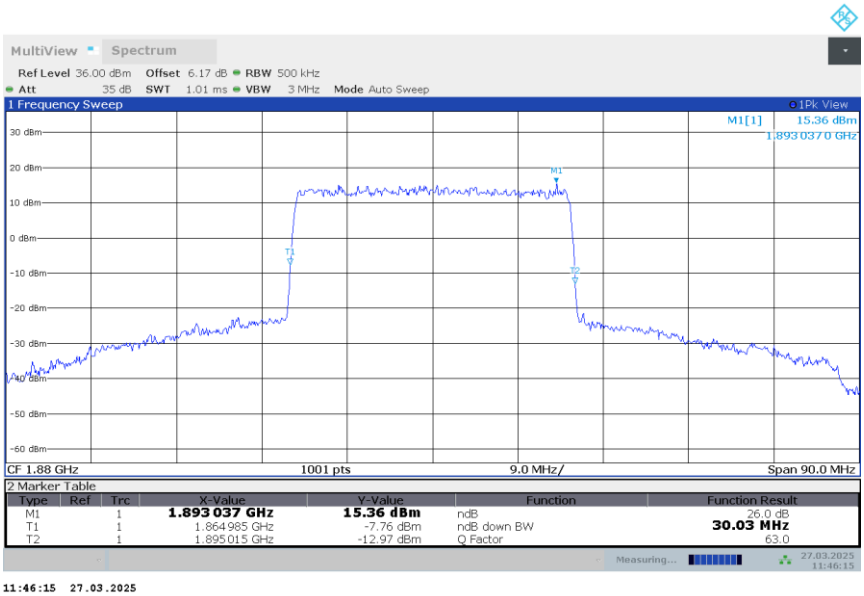
n2,30MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1880	30.030	30.030	30.030

n2,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n2,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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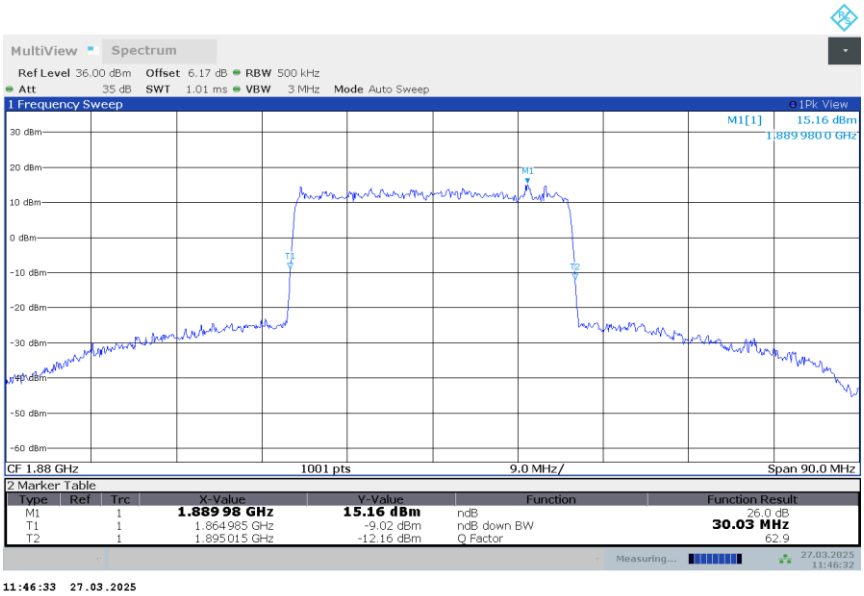
n2,30MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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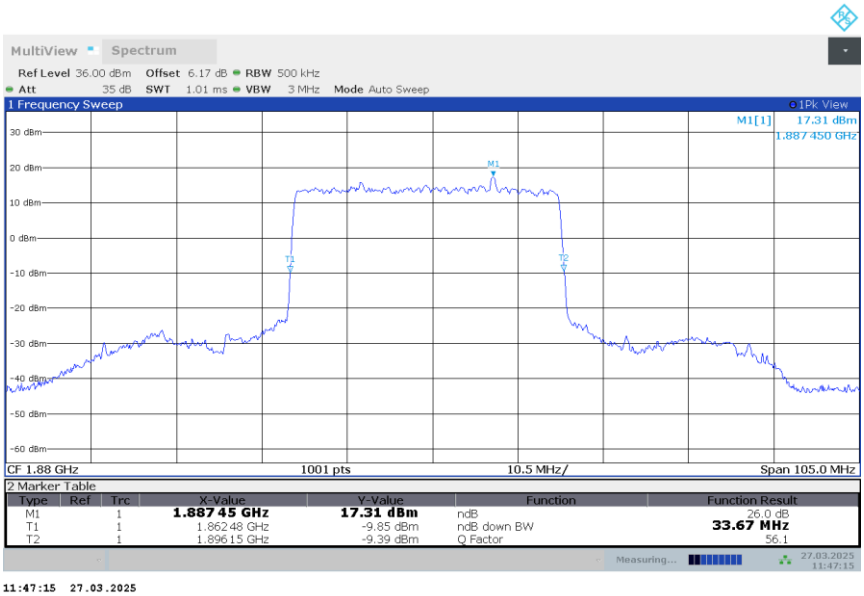
n2

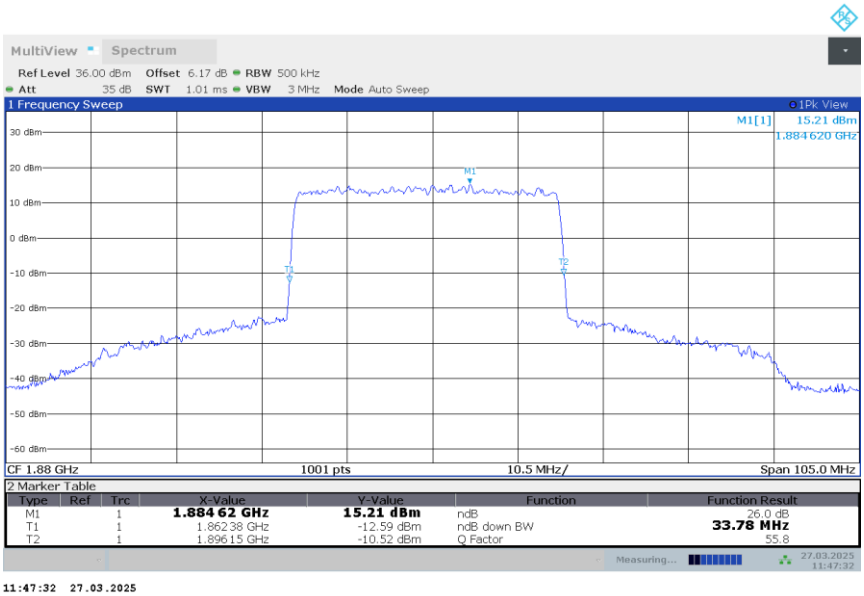
n2,35MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1880	33.670	33.780	33.670

n2,35MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n2,35MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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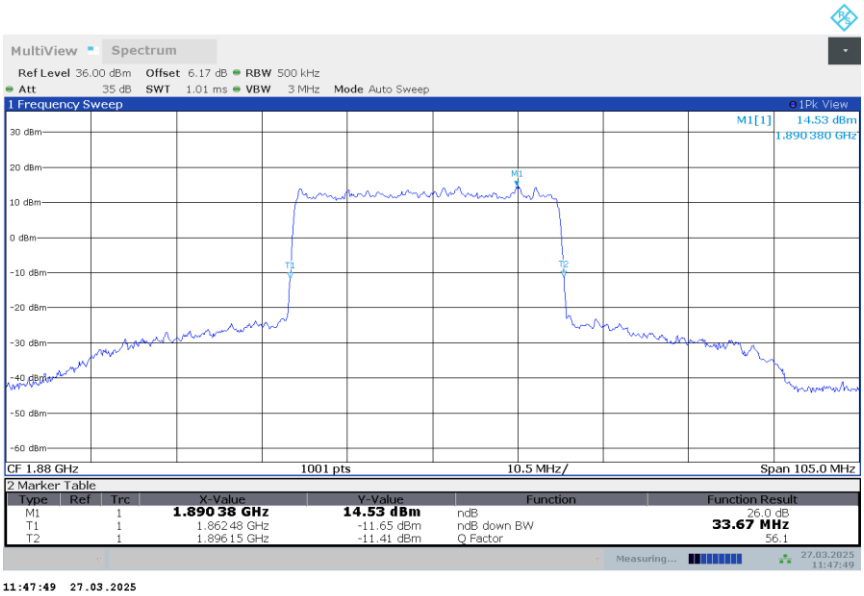
n2,35MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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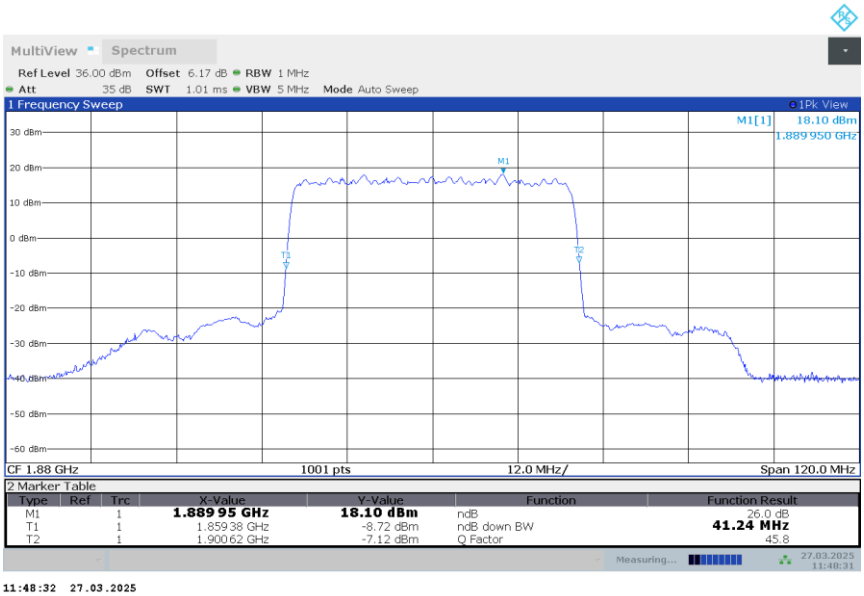
n2

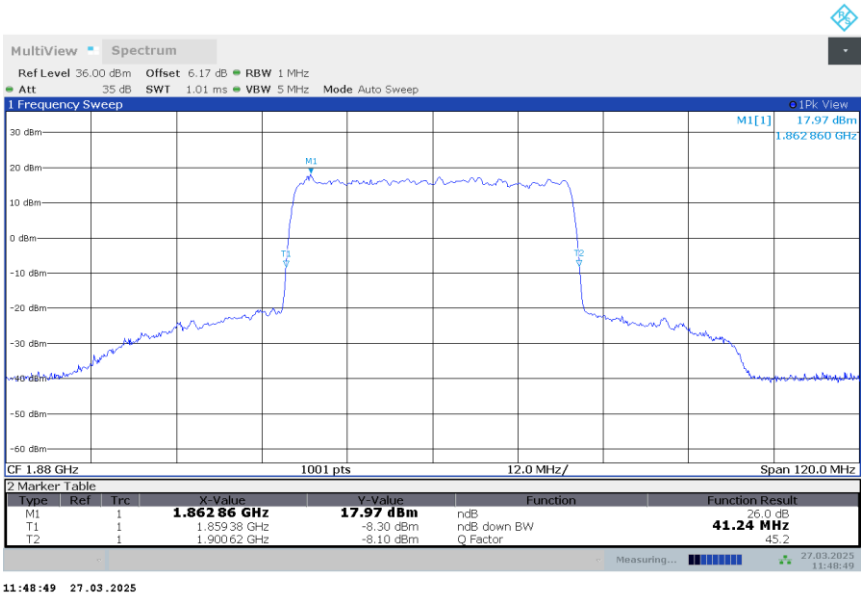
n2,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1880	41.240	41.240	41.240

n2,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n2,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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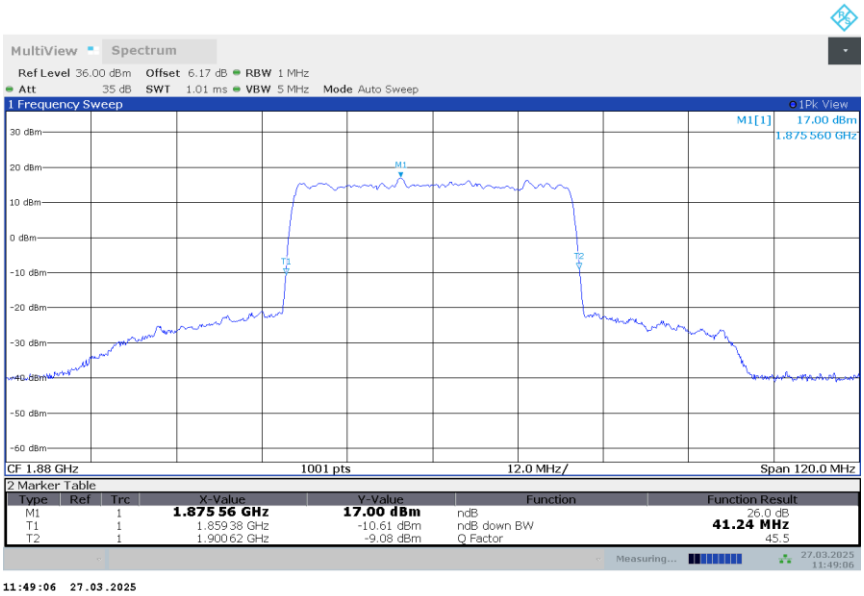
n2,40MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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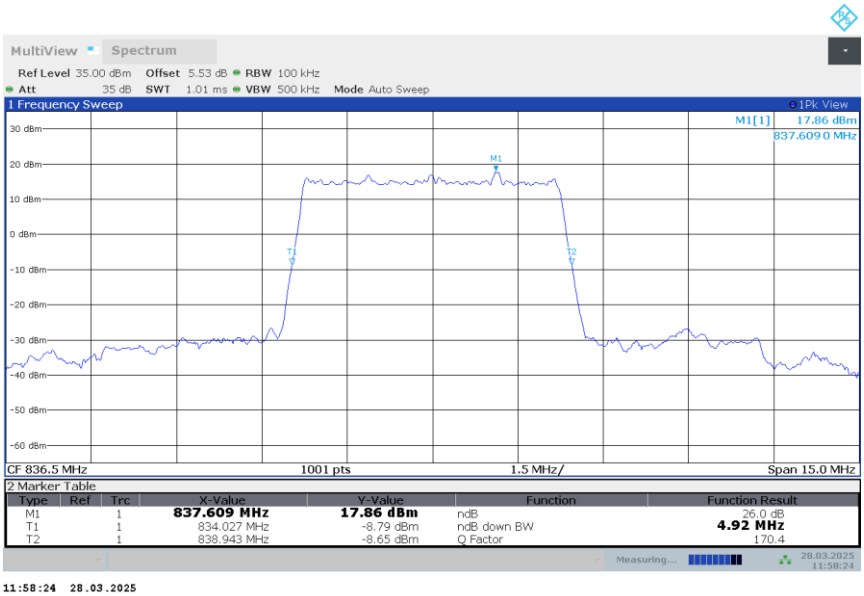
n5

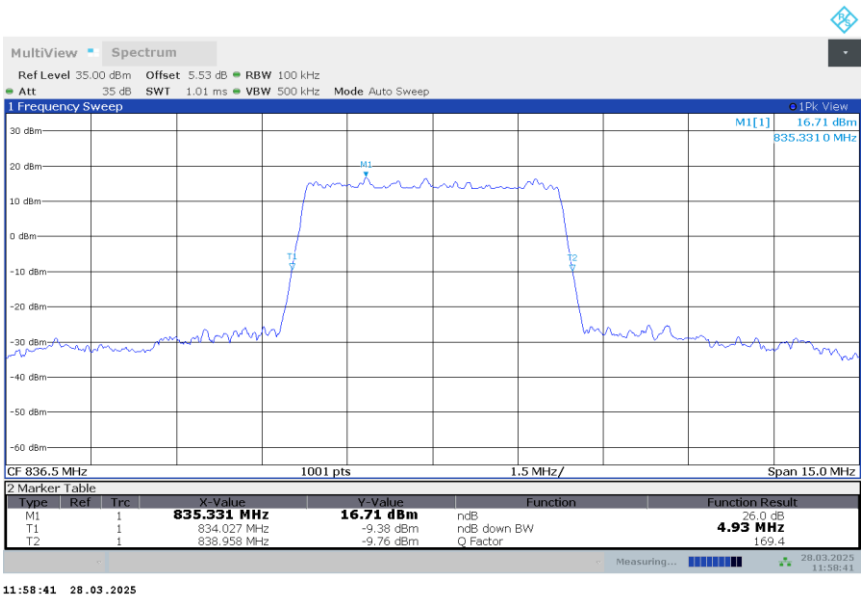
n5,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	4.915	4.930	4.930

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



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



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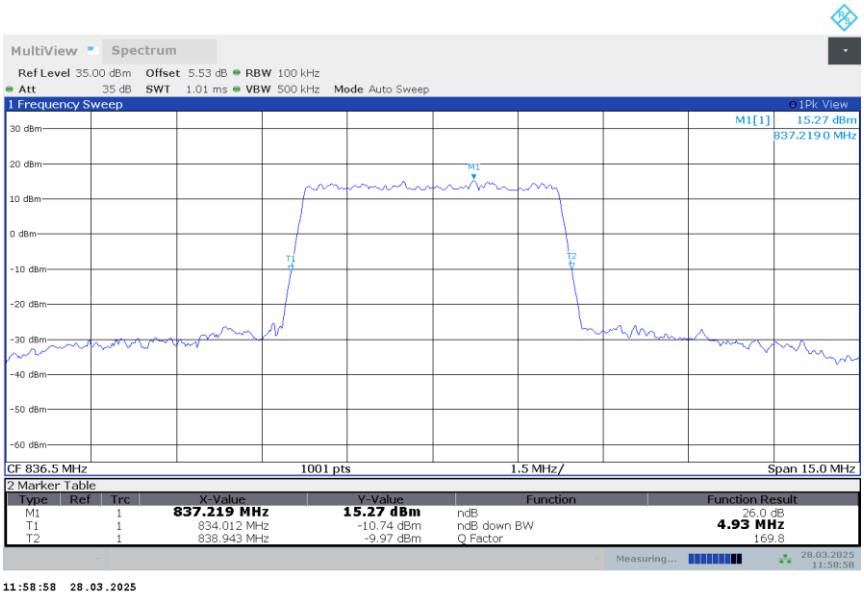
n5,5MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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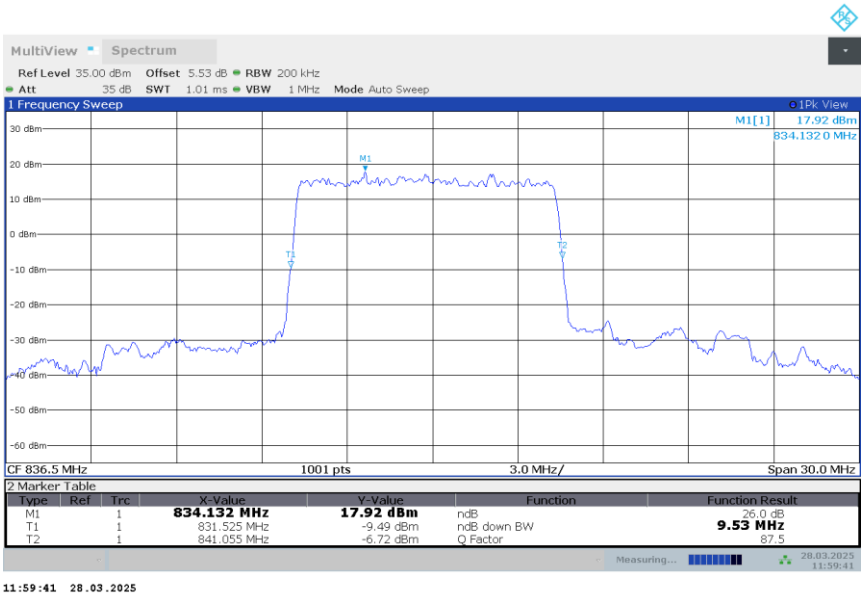
n5

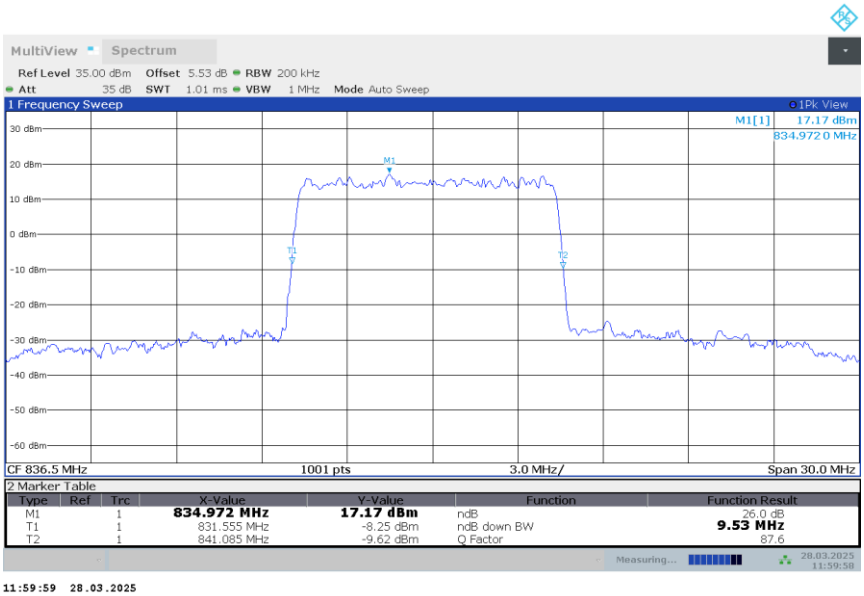
n5,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	9.530	9.530	9.530

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



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



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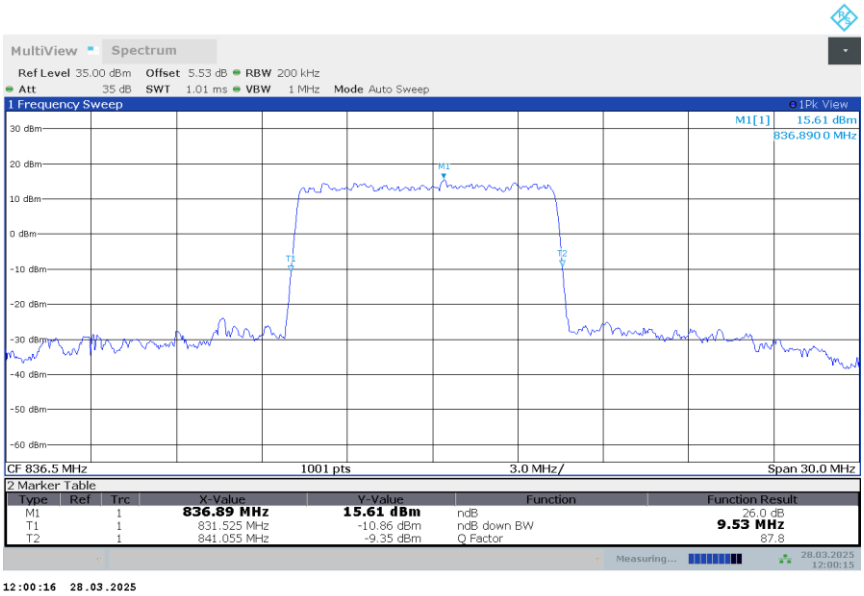
n5,10MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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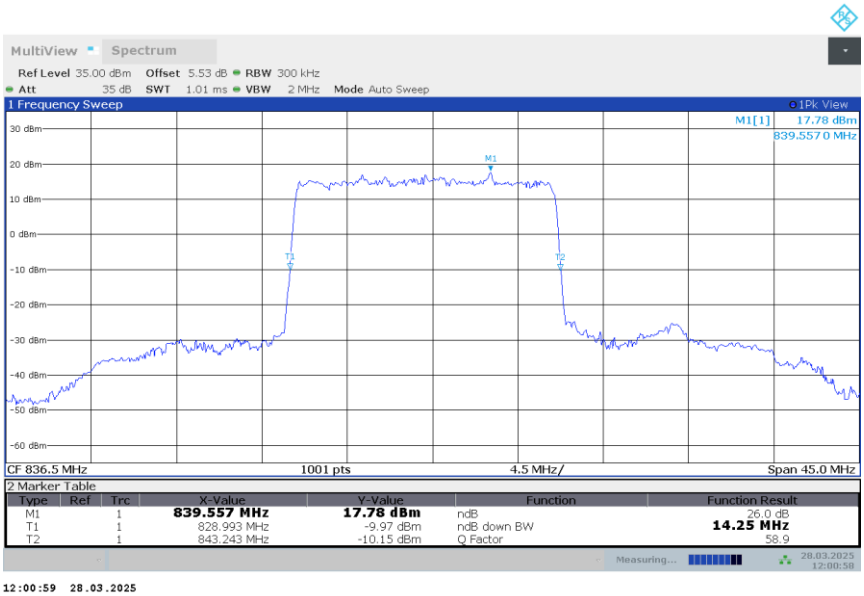
n5

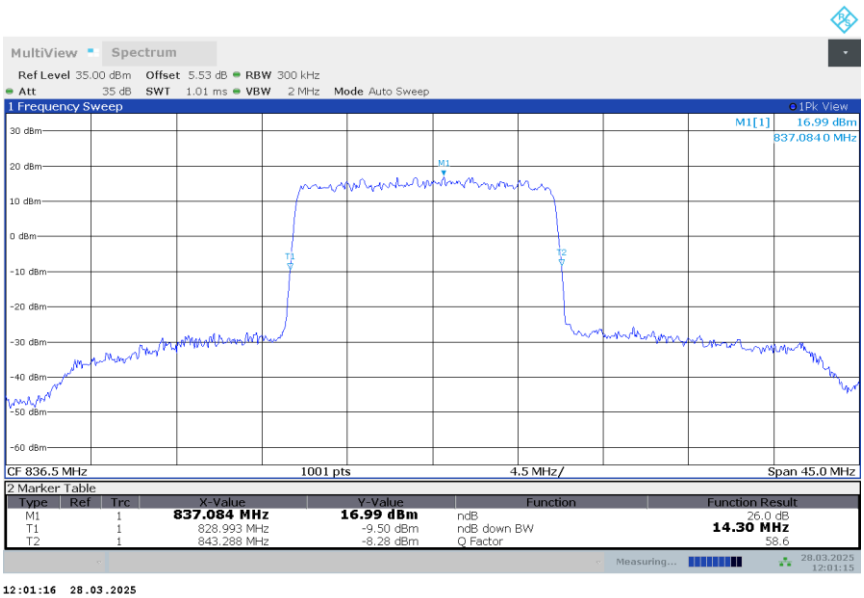
n5,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	14.251	14.296	14.296

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



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



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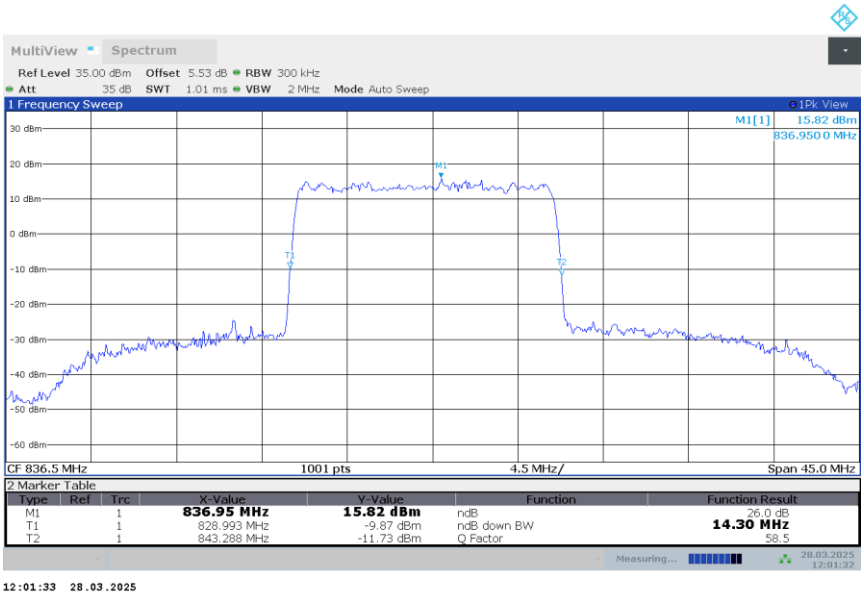
n5,15MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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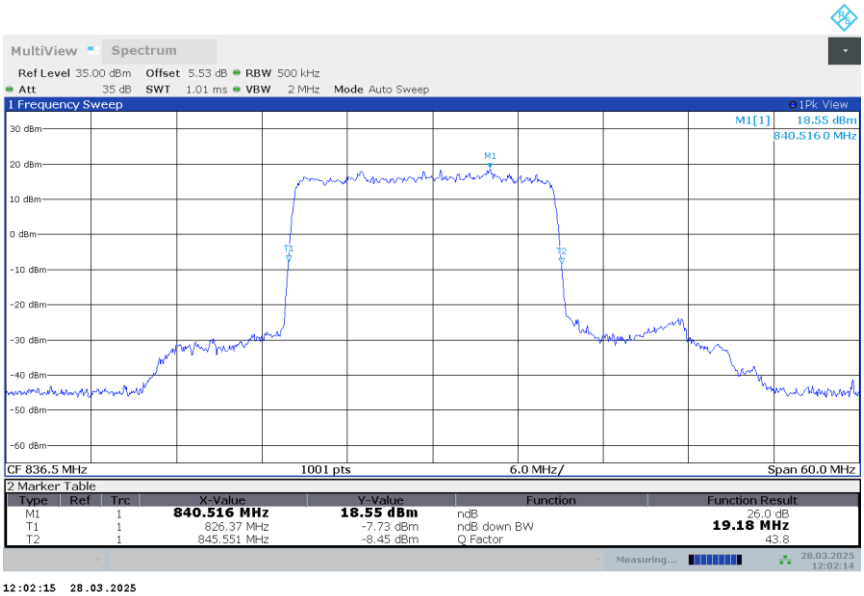
n5

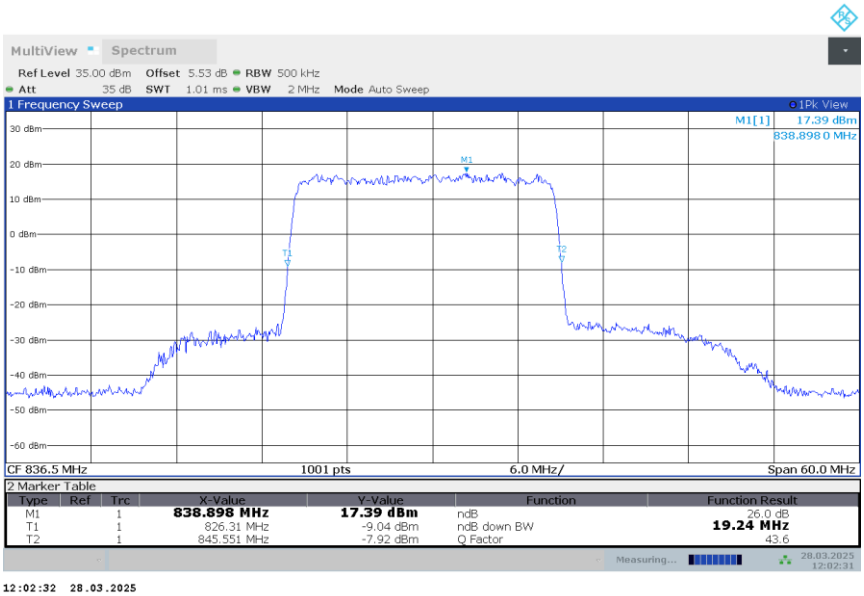
n5,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	19.181	19.241	19.181

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



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



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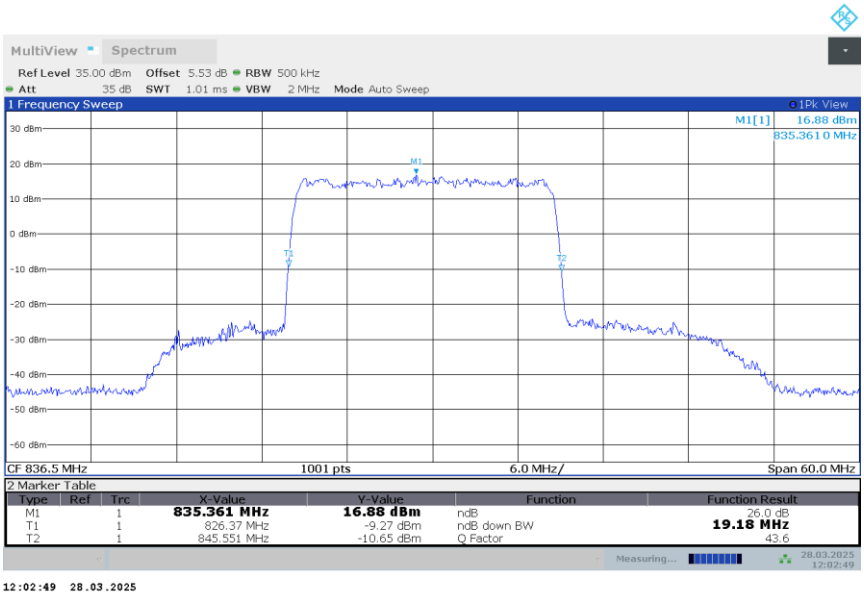
n5,20MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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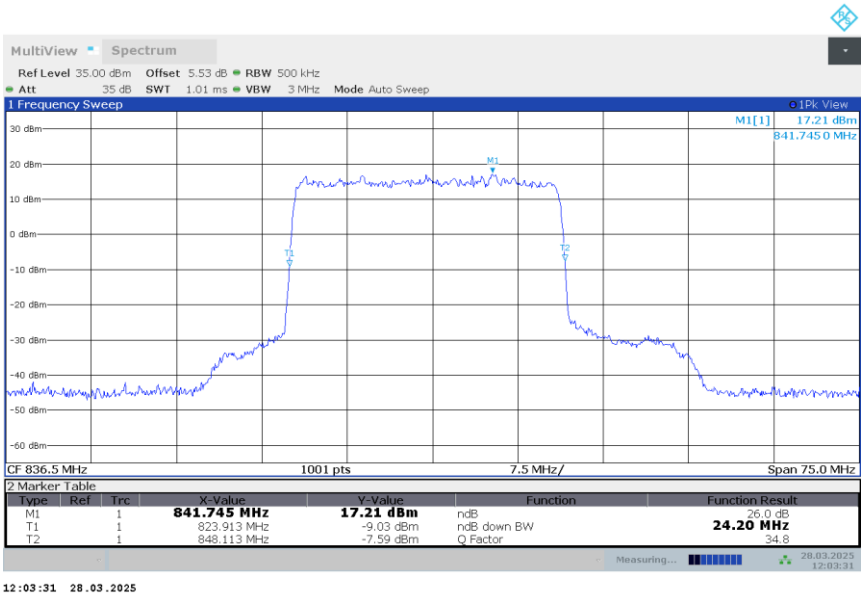
n5

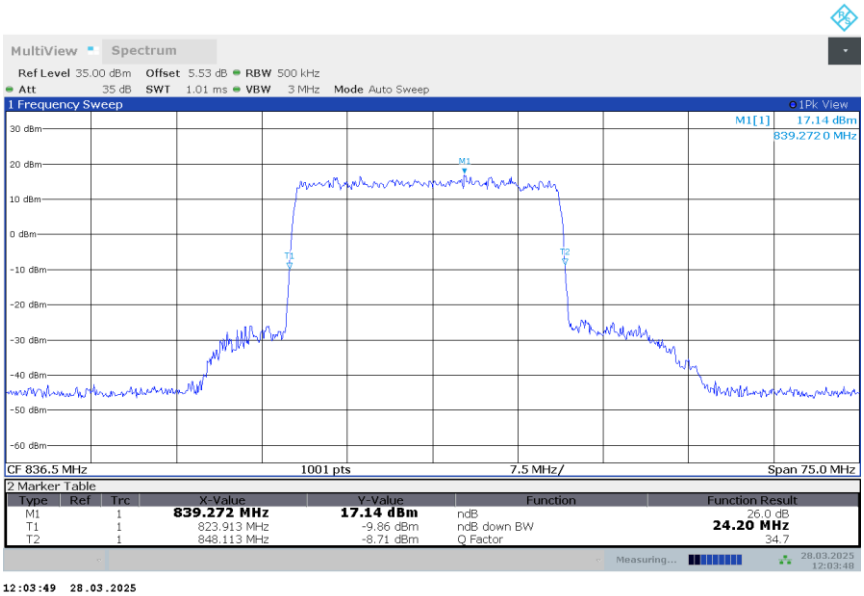
n5,25MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	24.201	24.201	24.201

n5,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n5,25MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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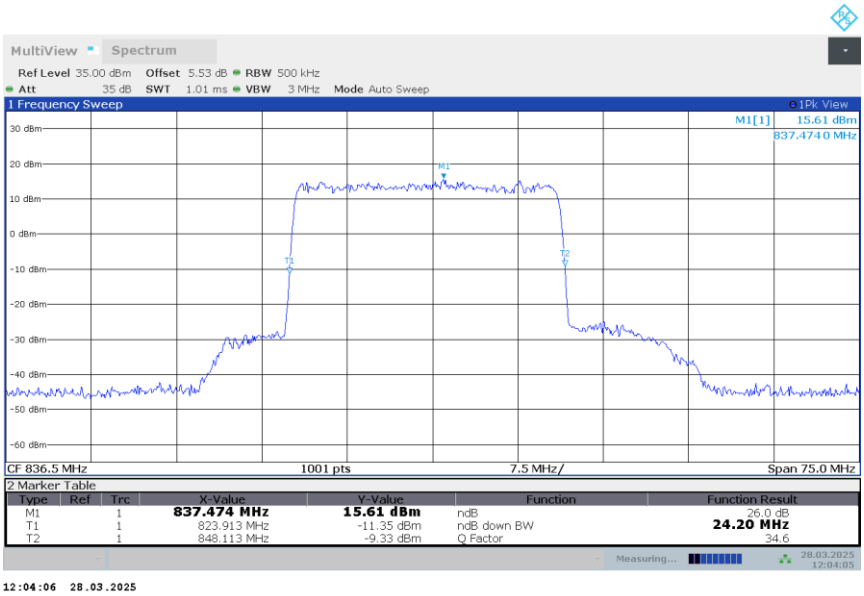
n5,25MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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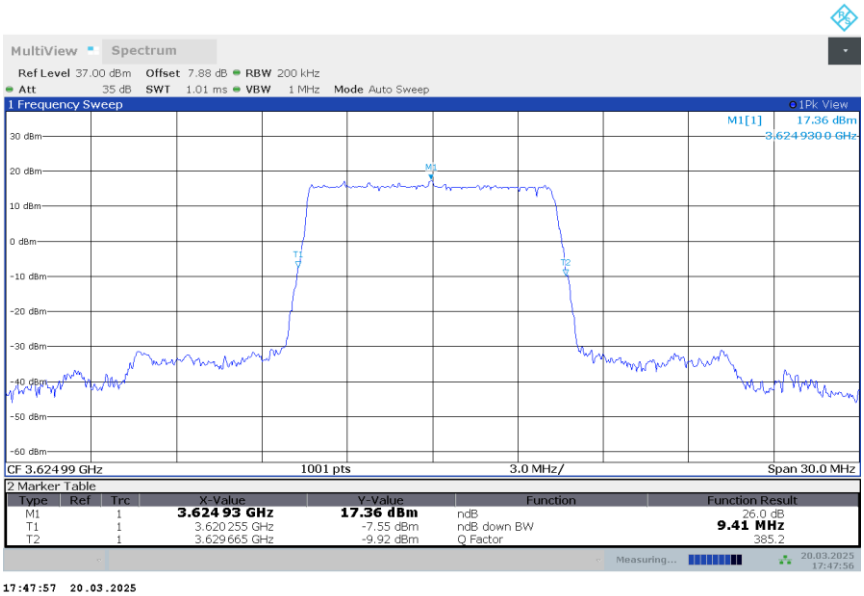
n48

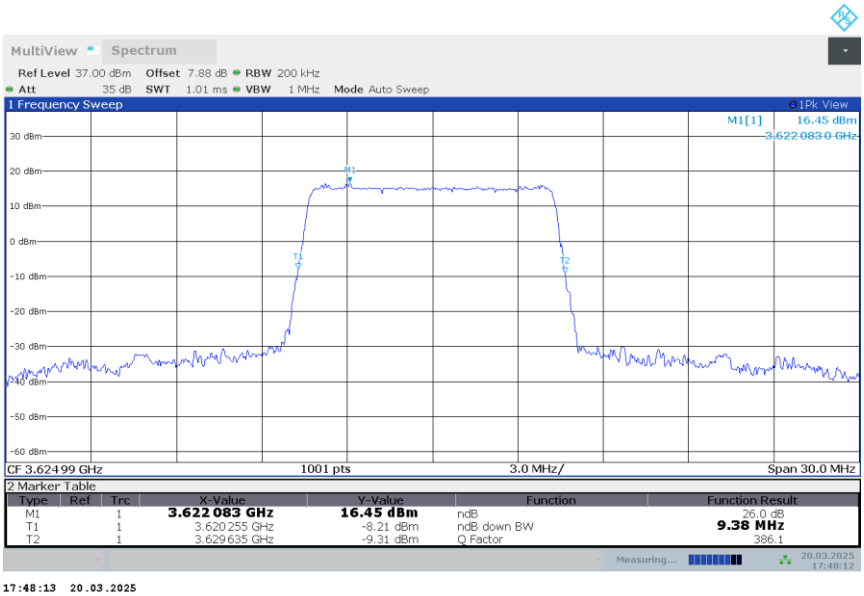
n48,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3624.99	9.411	9.381	9.351

n48,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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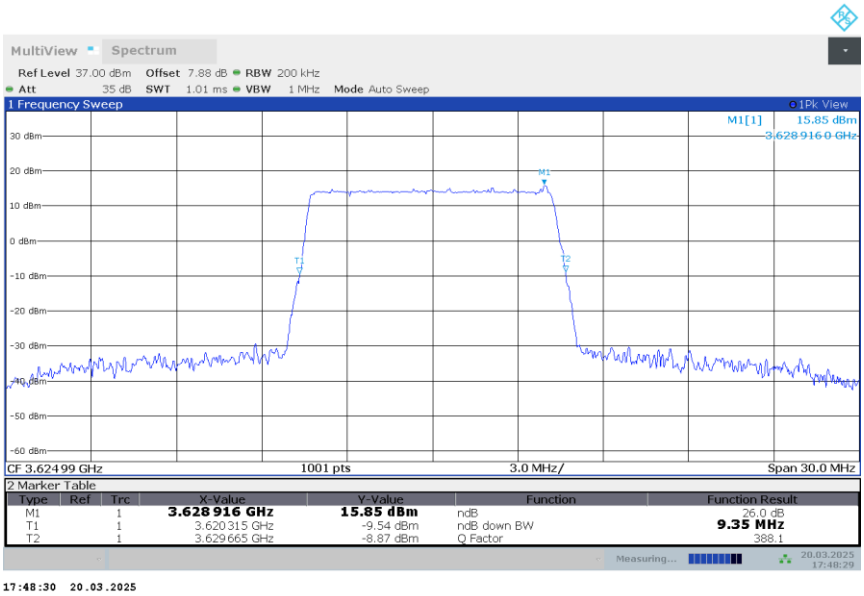
n48,10MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



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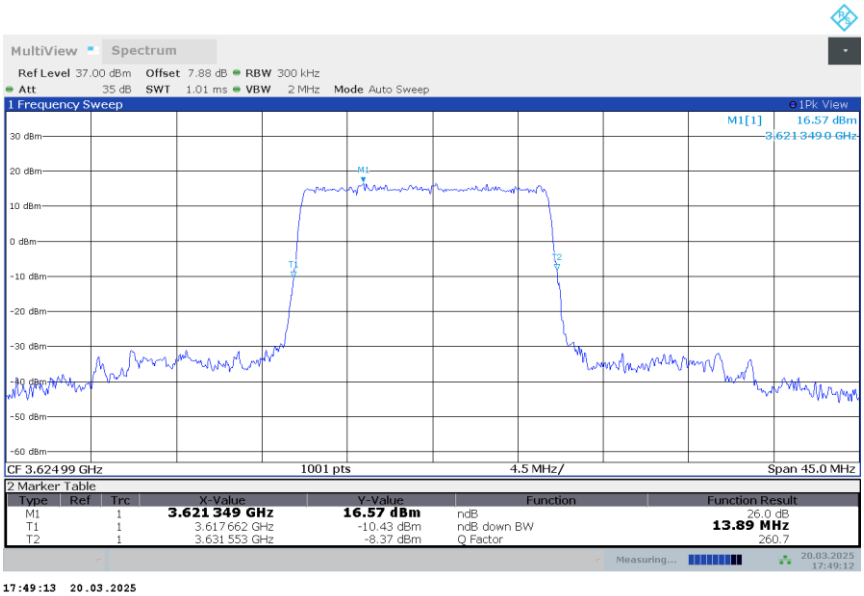
n48

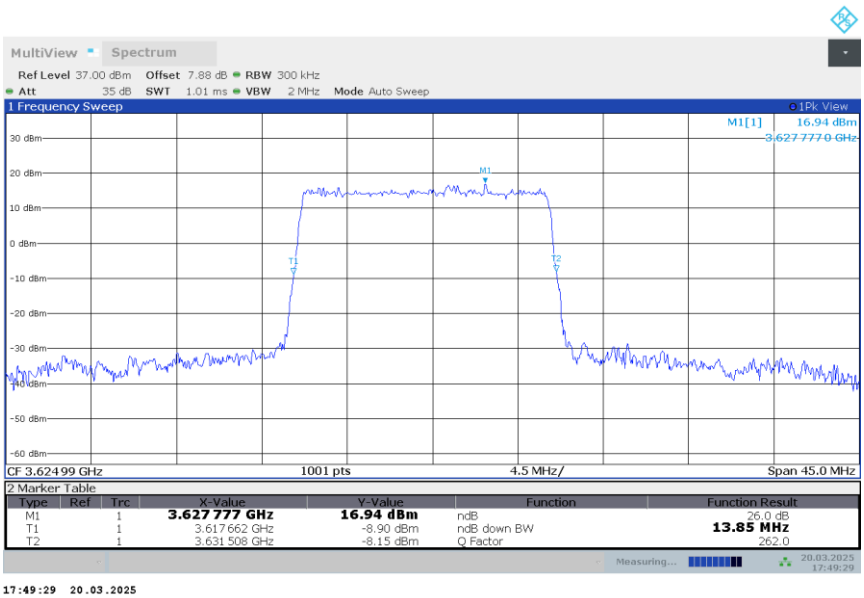
n48,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3624.99	13.891	13.846	13.846

n48,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n48,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



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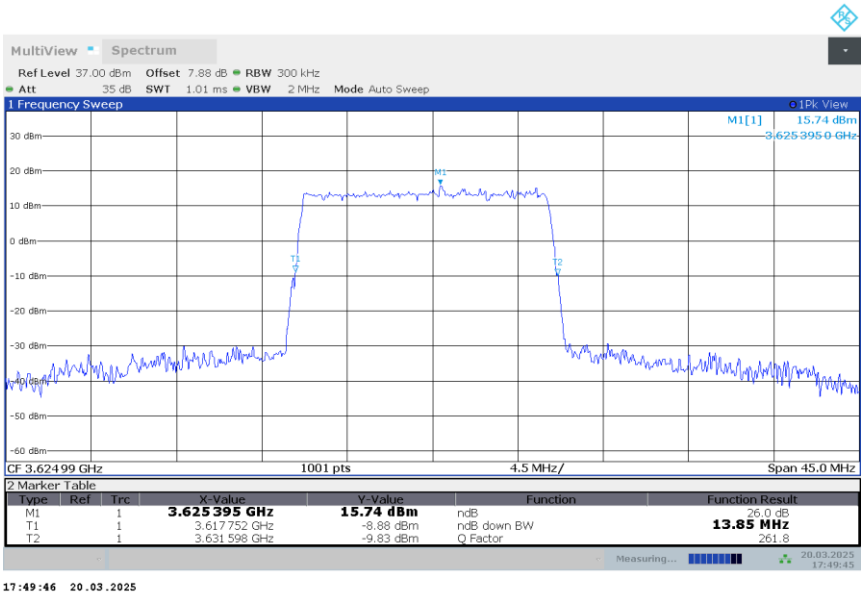
n48,15MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



17:49:46 20.03.2025

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