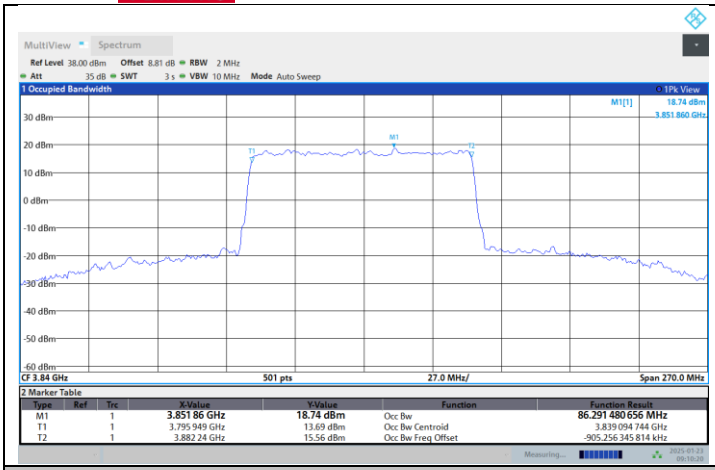

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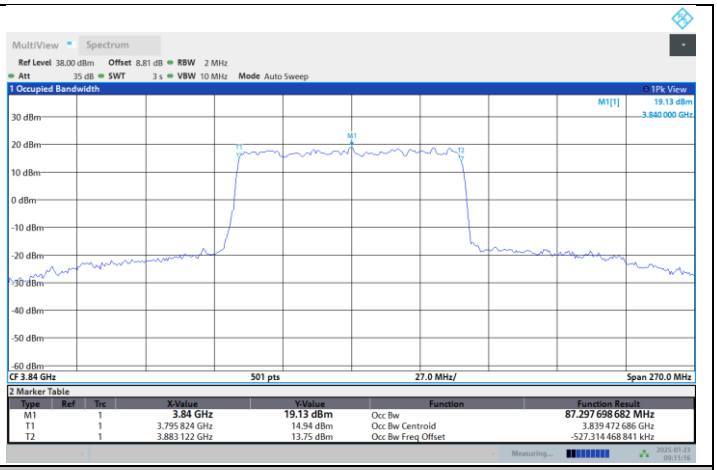

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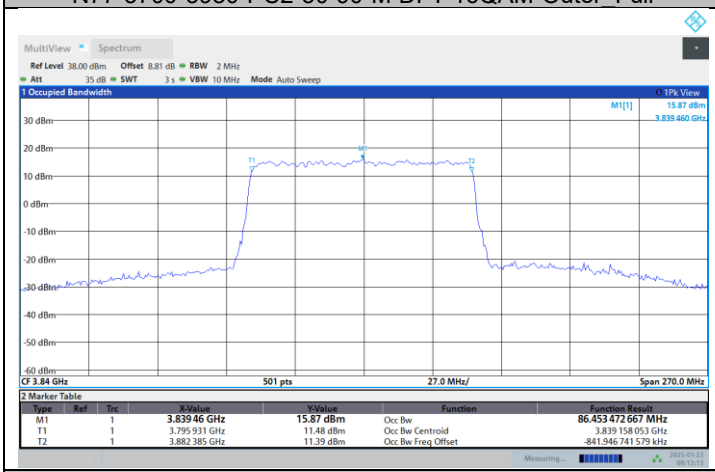

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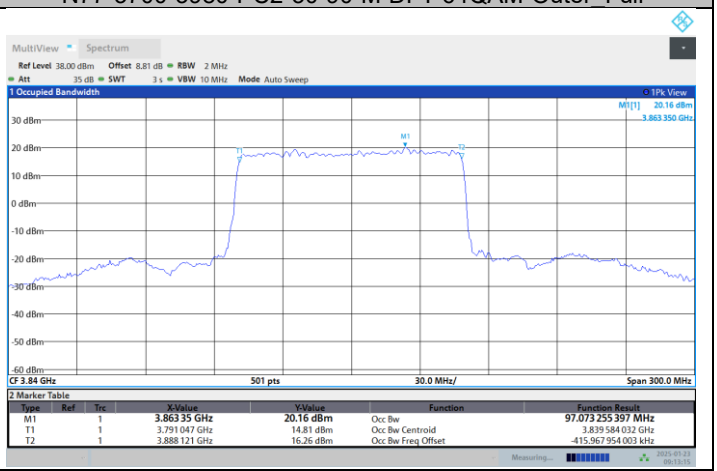

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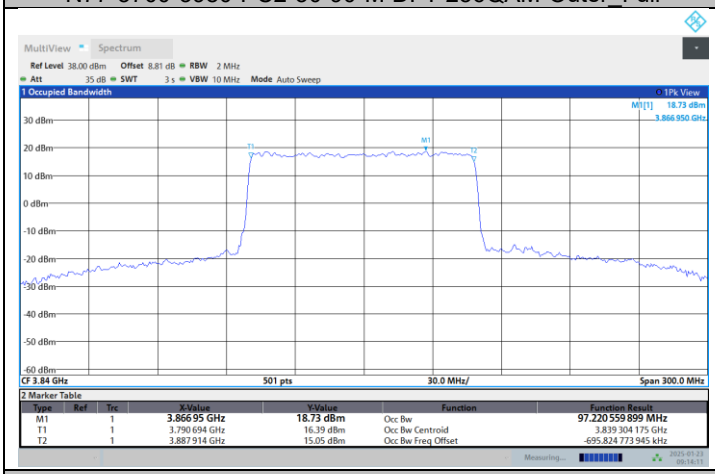

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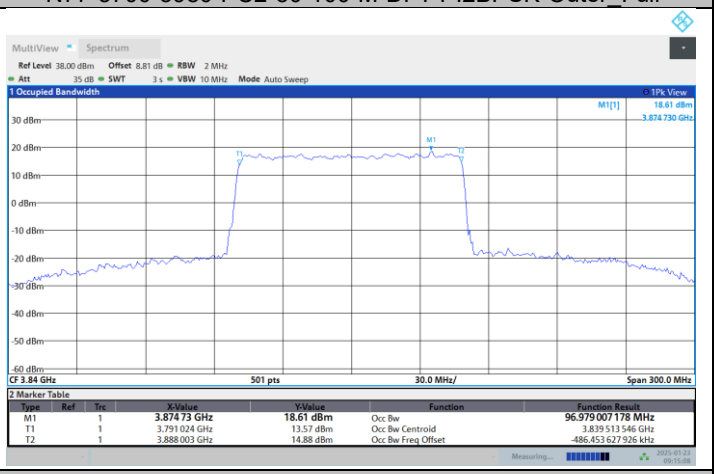

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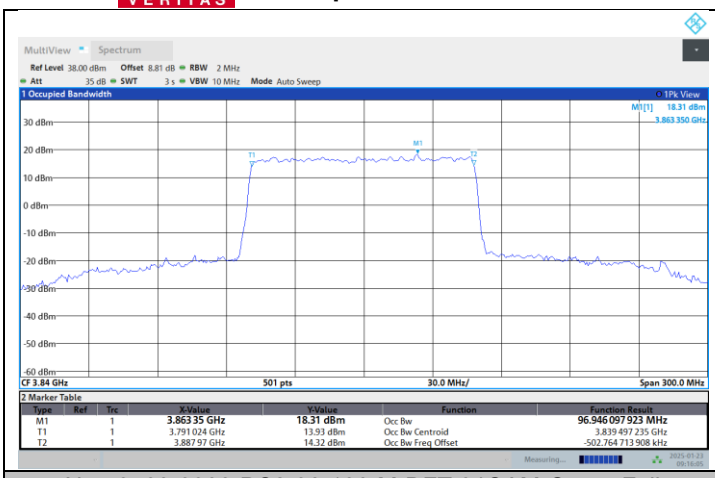

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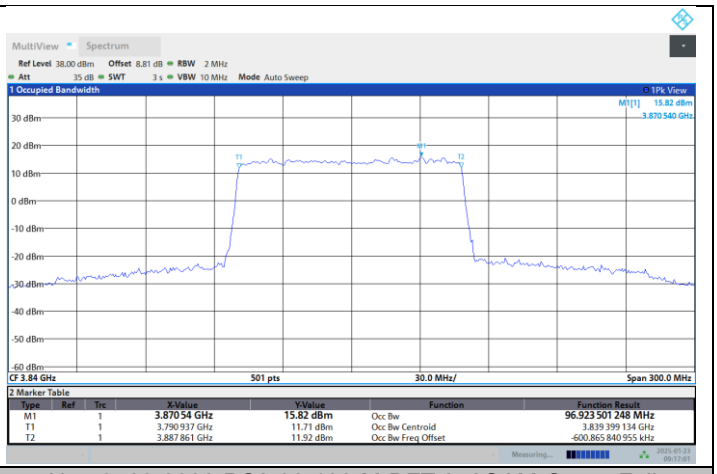

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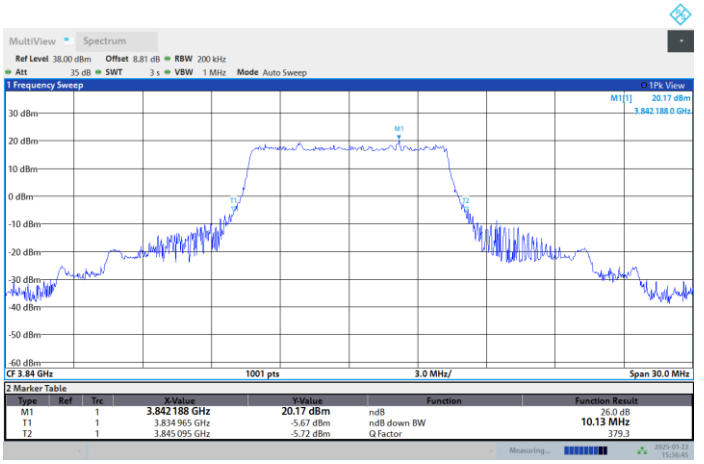

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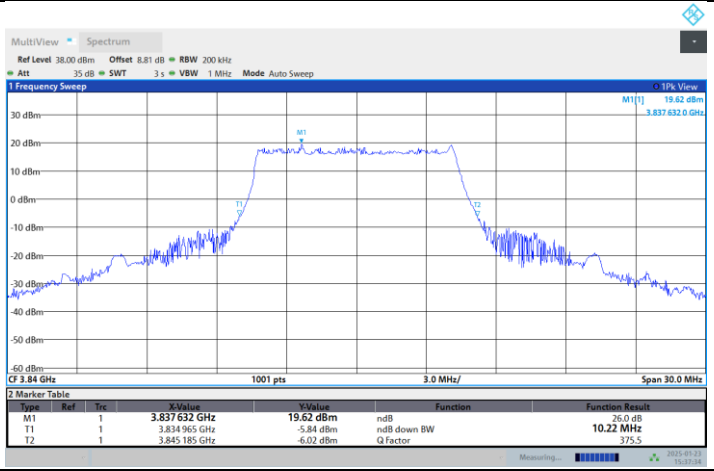

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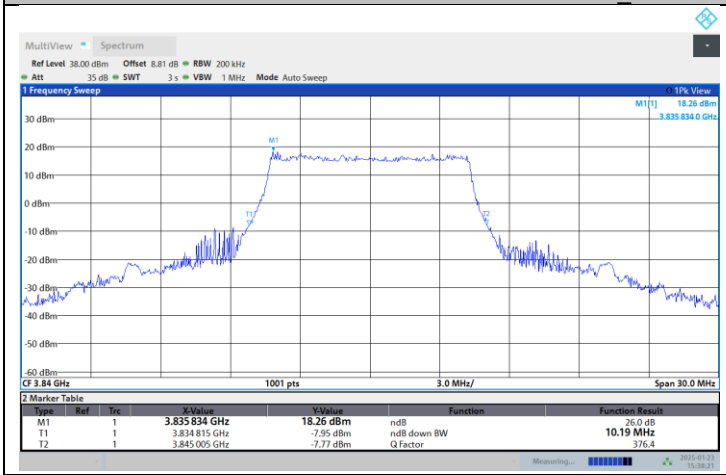

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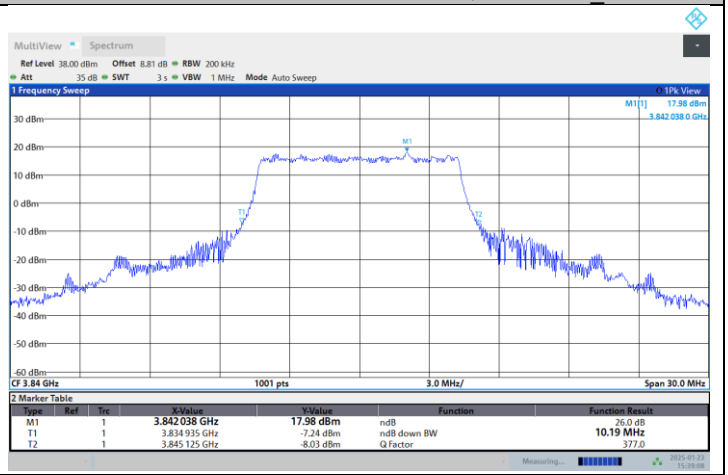

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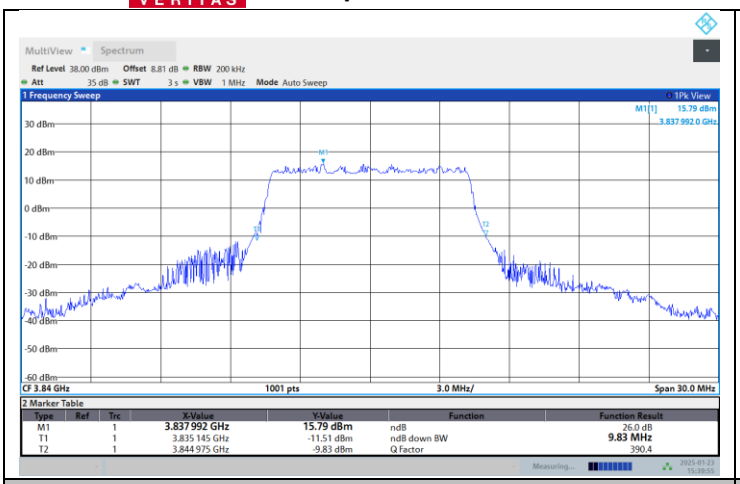

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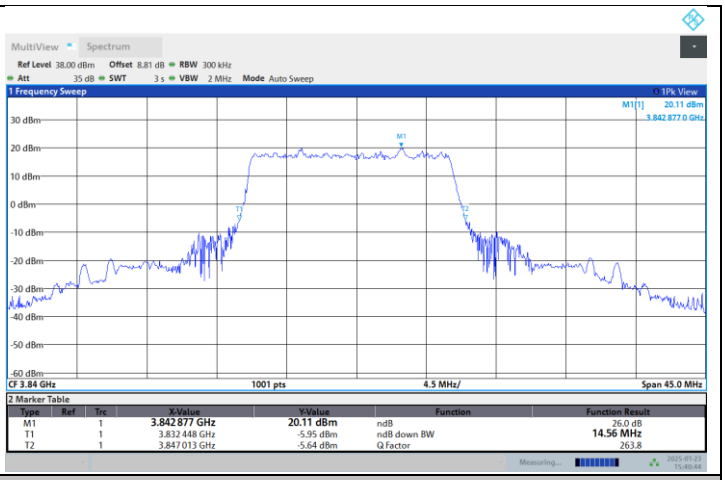

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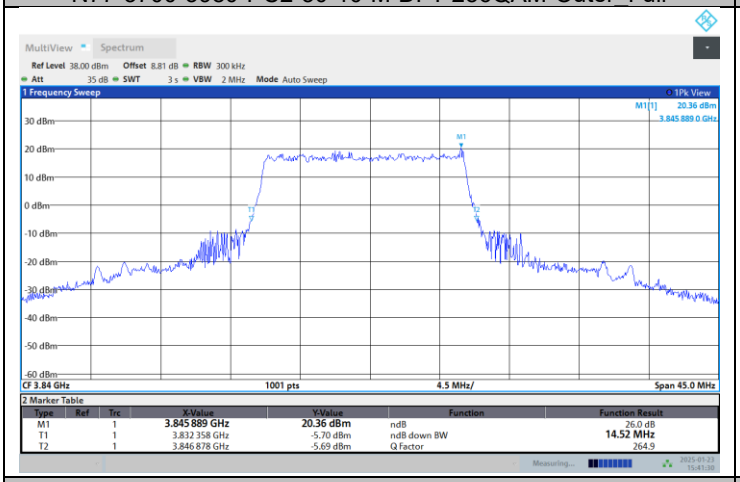

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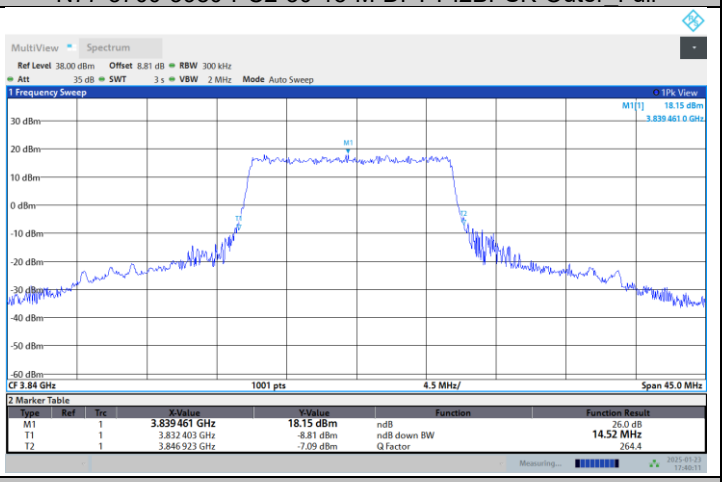

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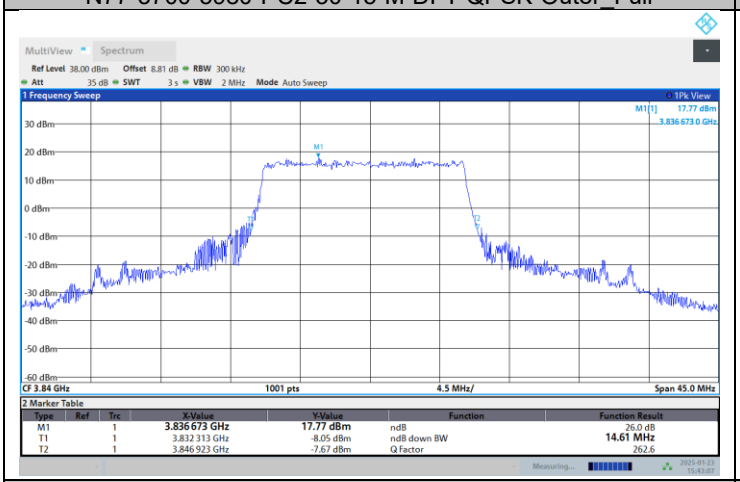

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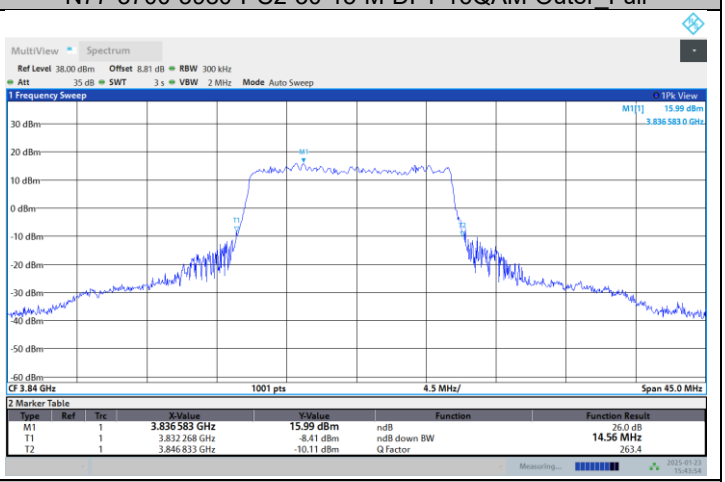

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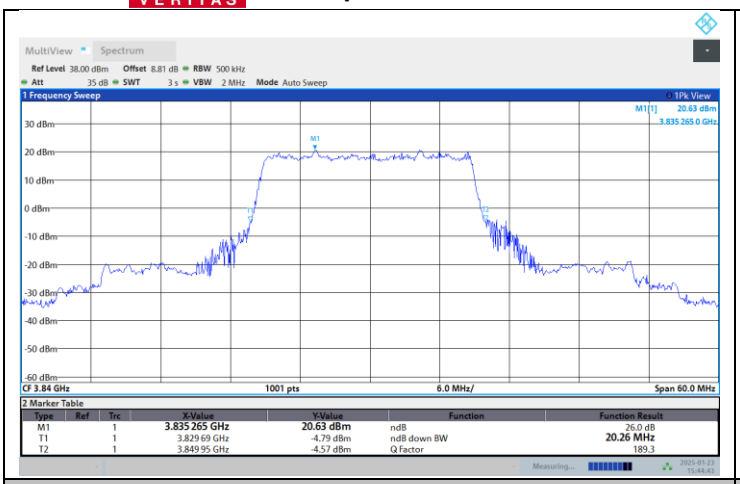

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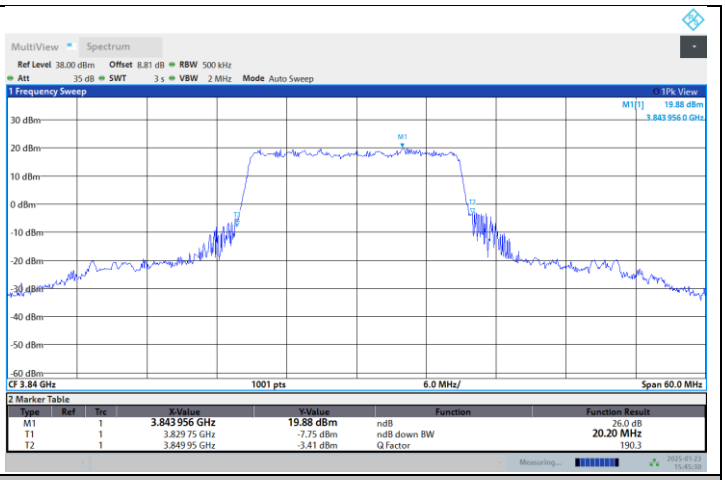

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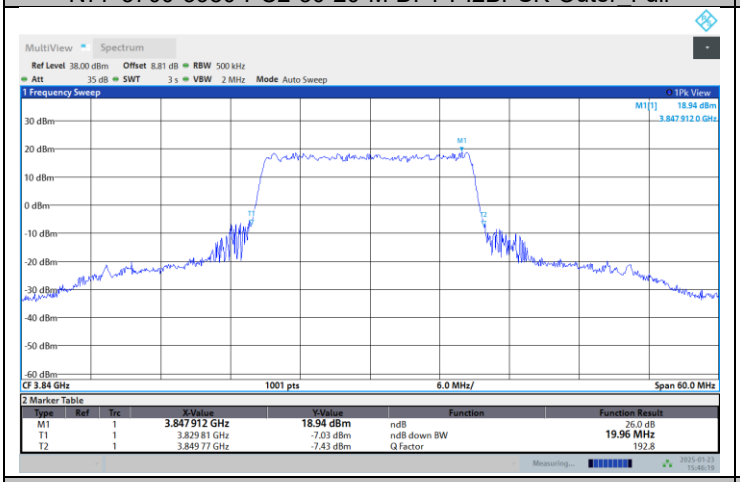

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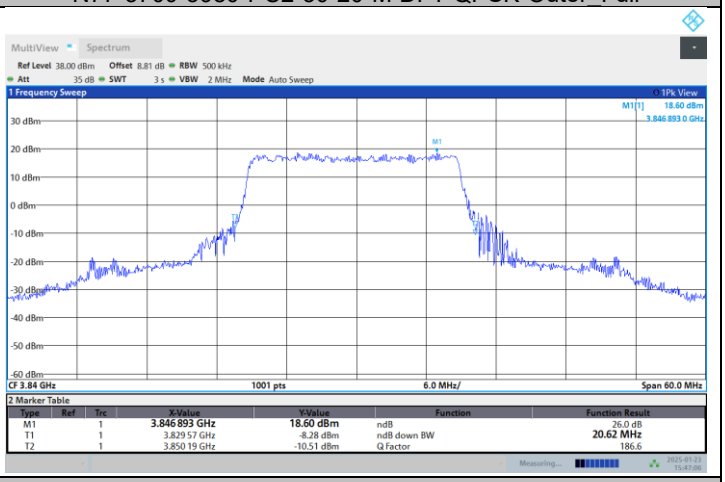

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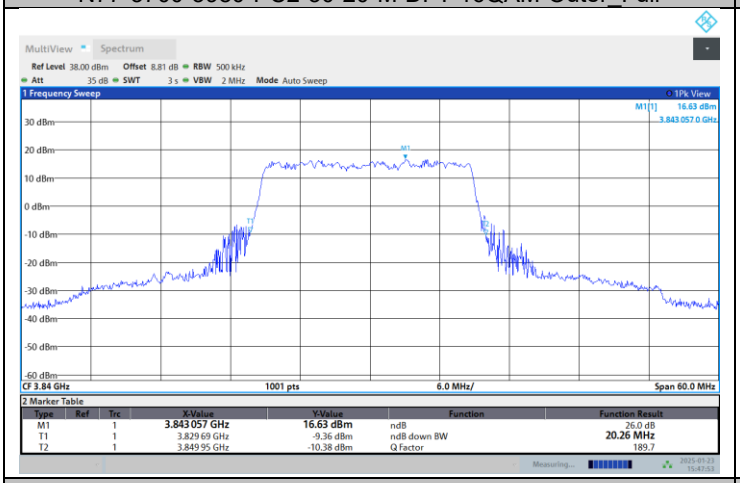

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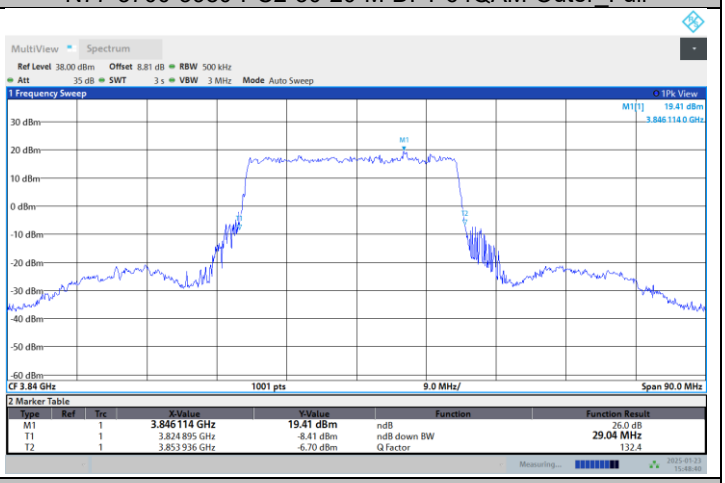

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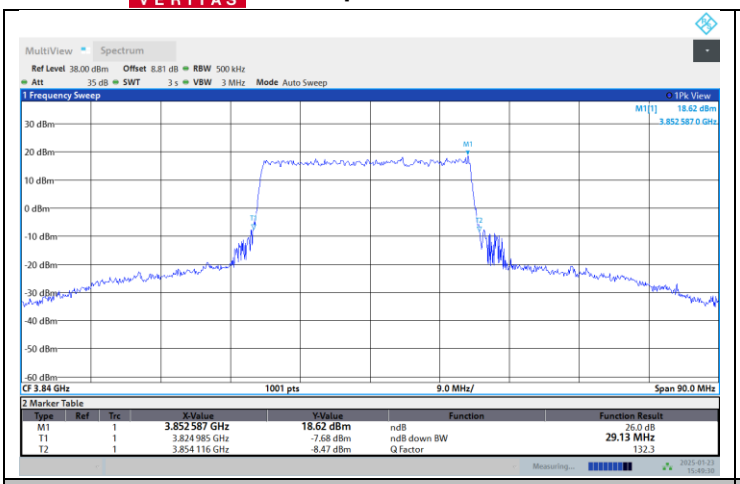

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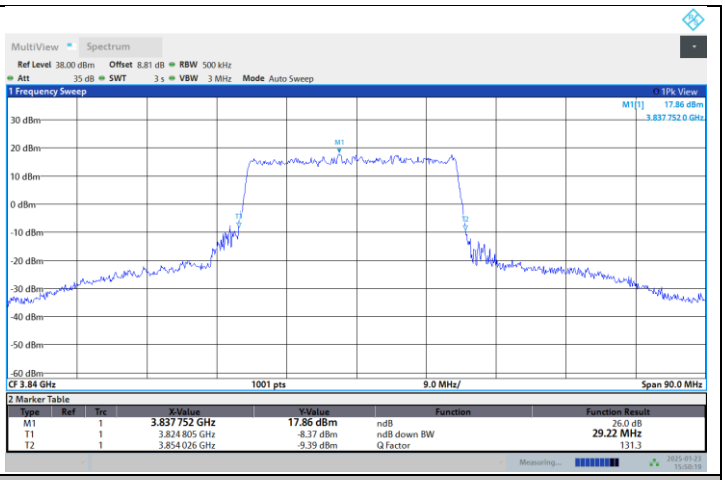

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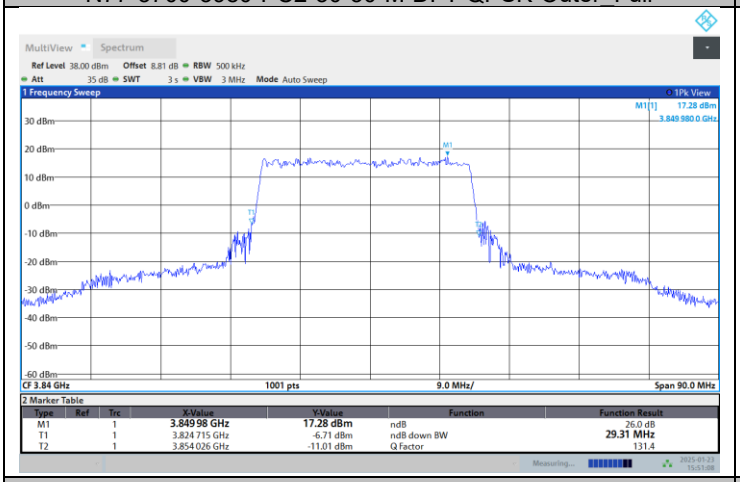

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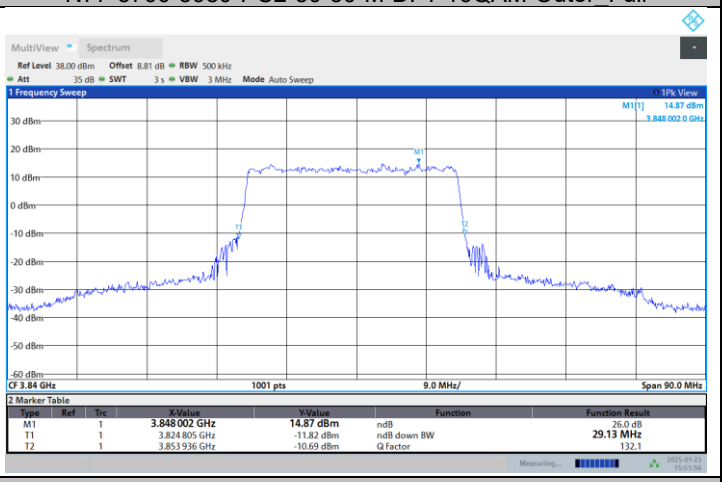

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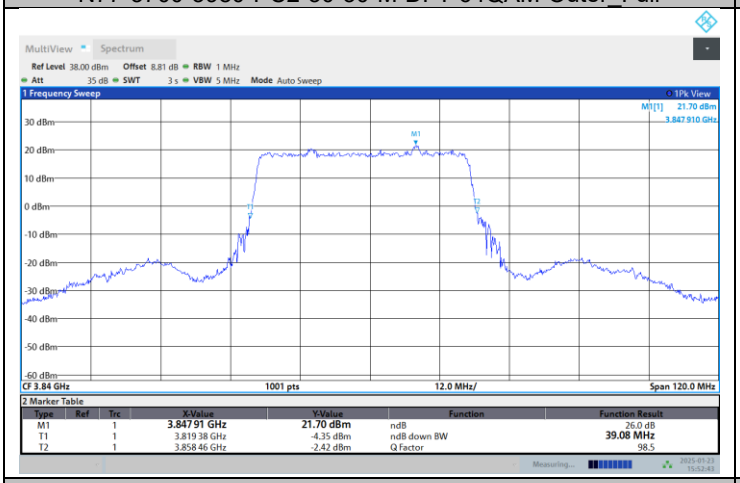

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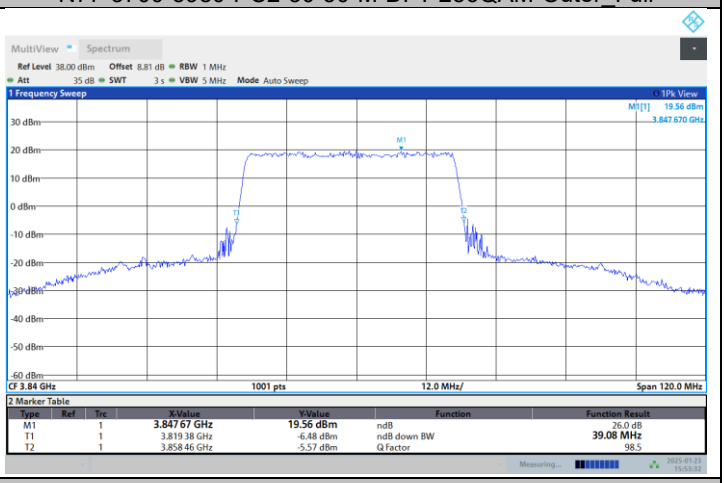

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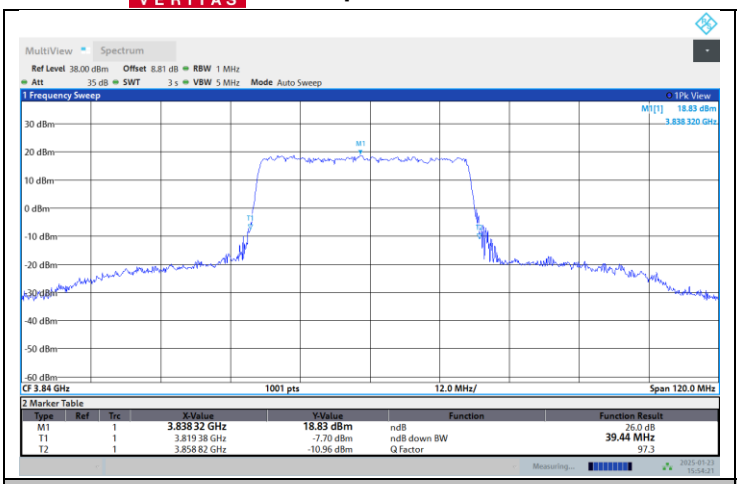

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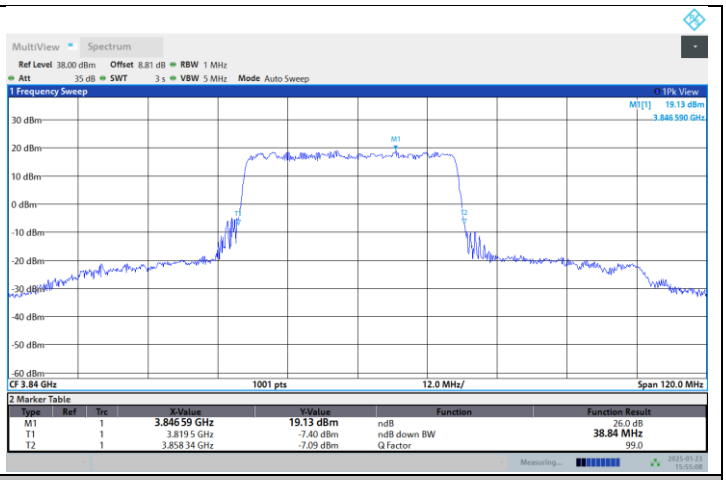

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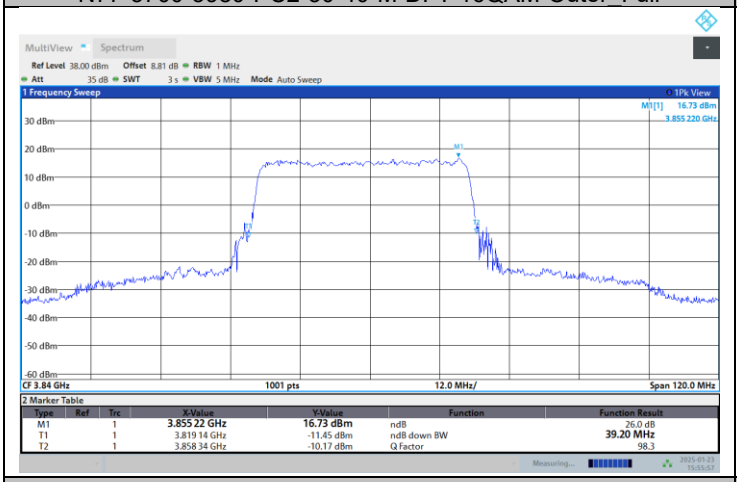

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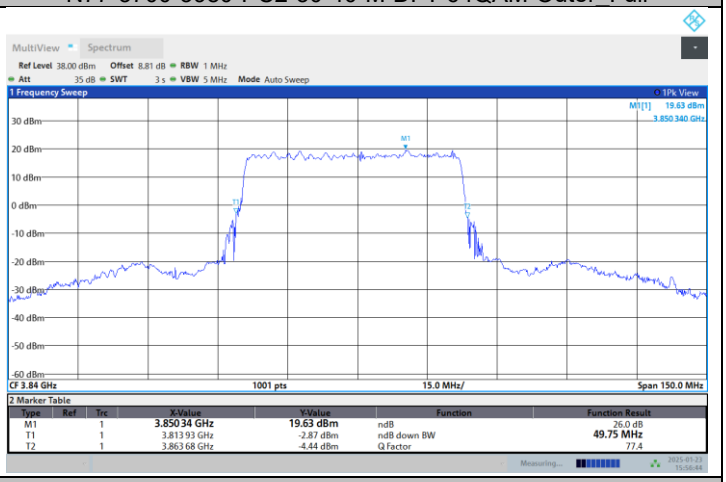

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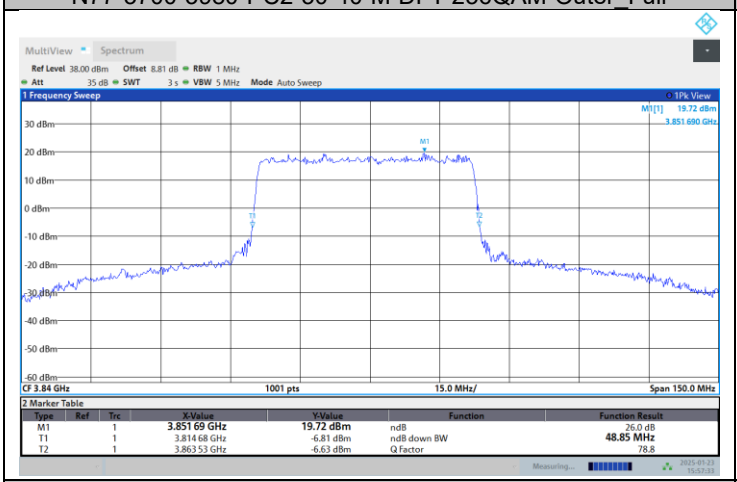

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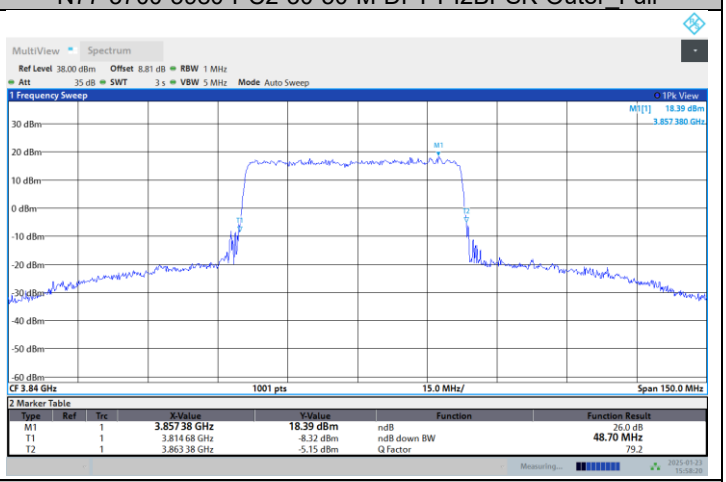

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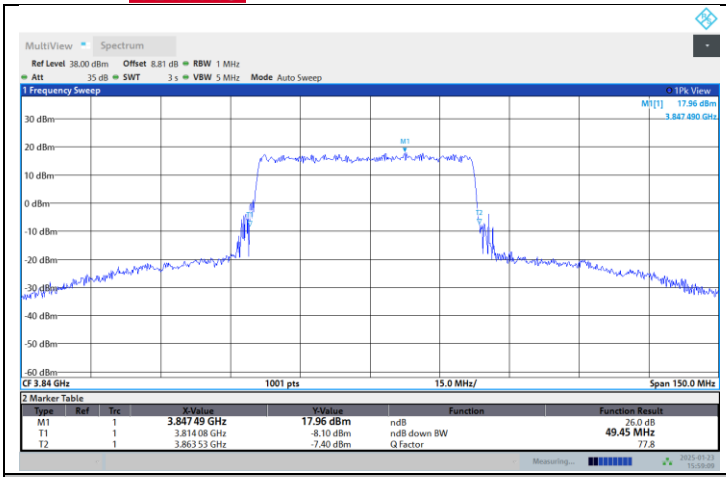

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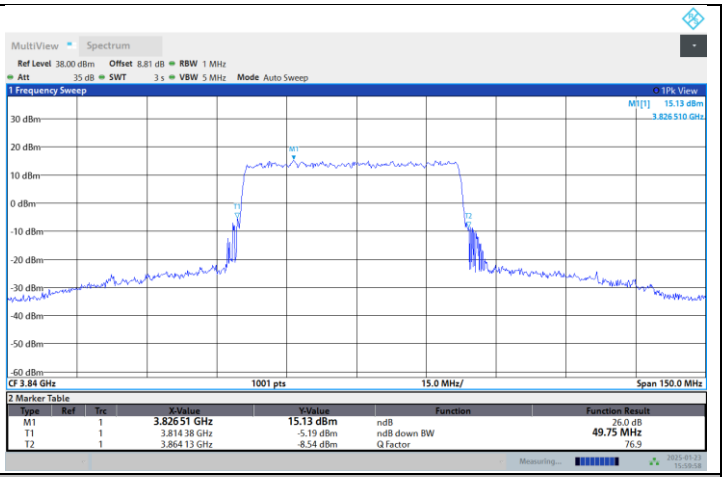

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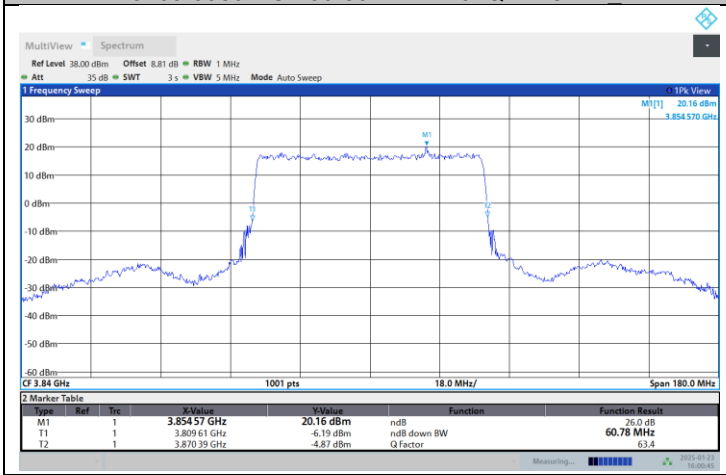

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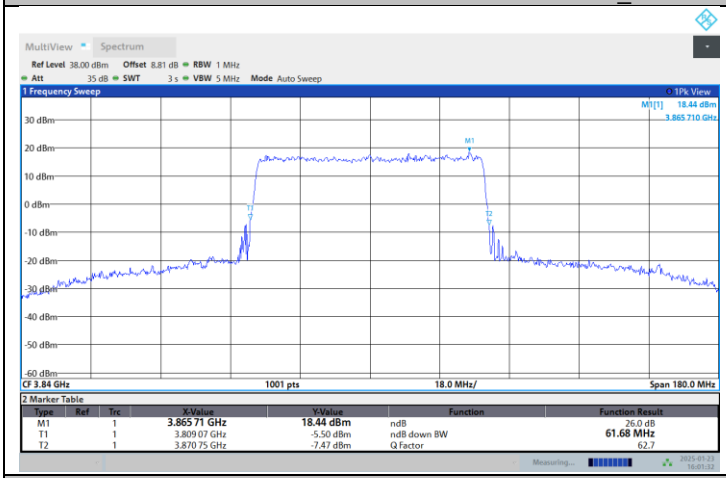

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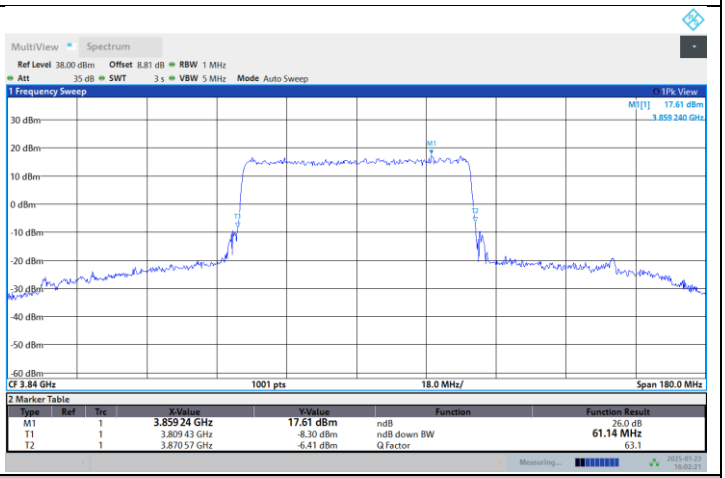

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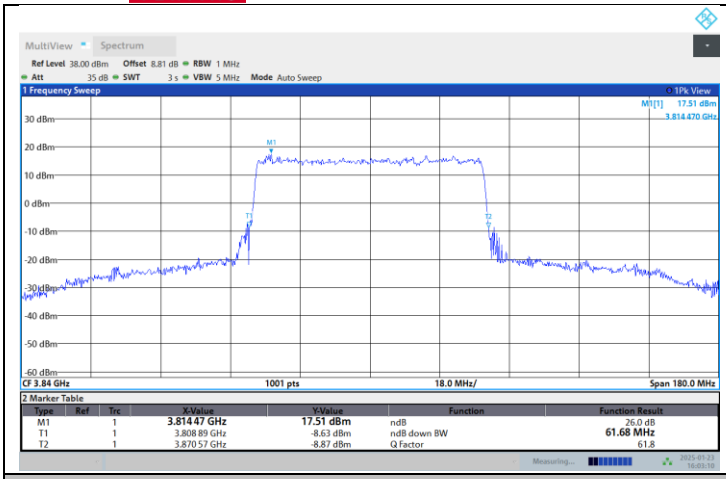

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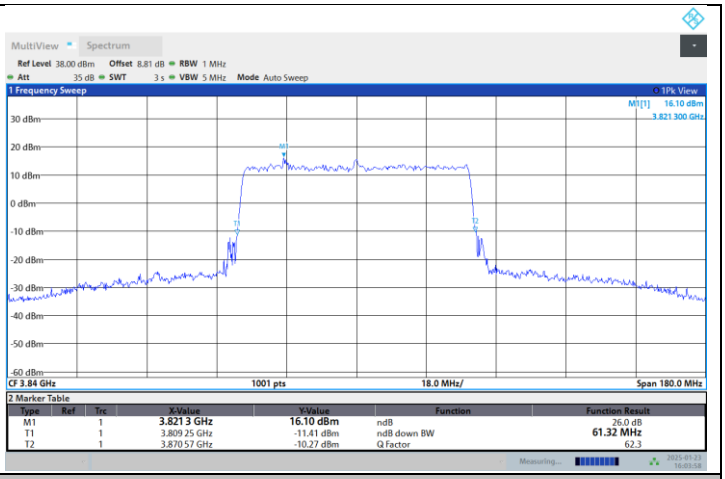

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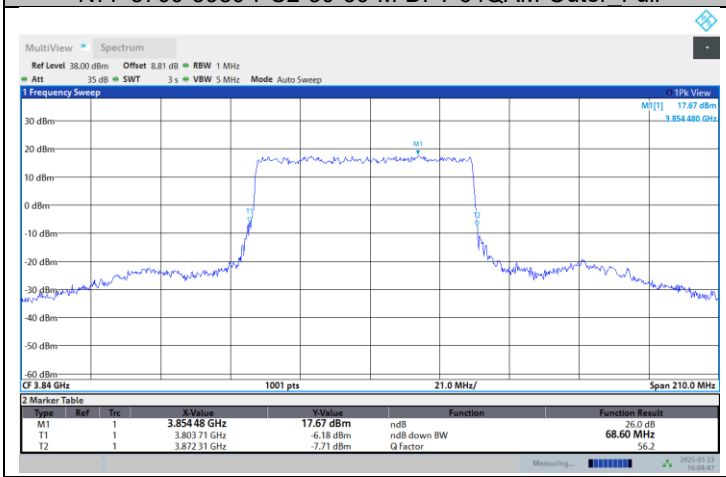

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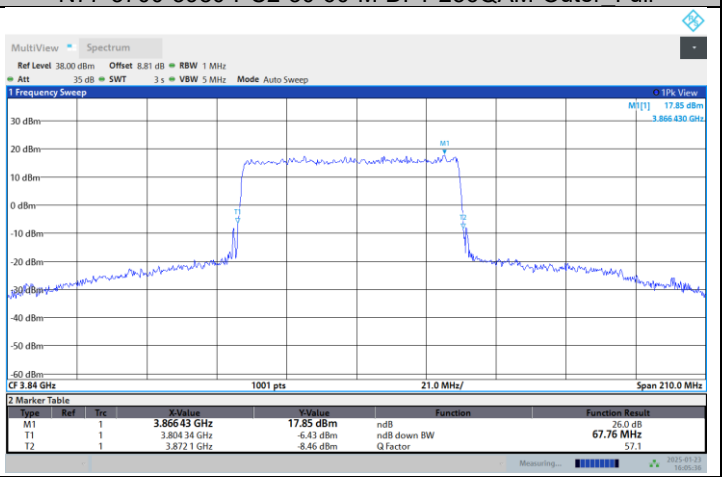

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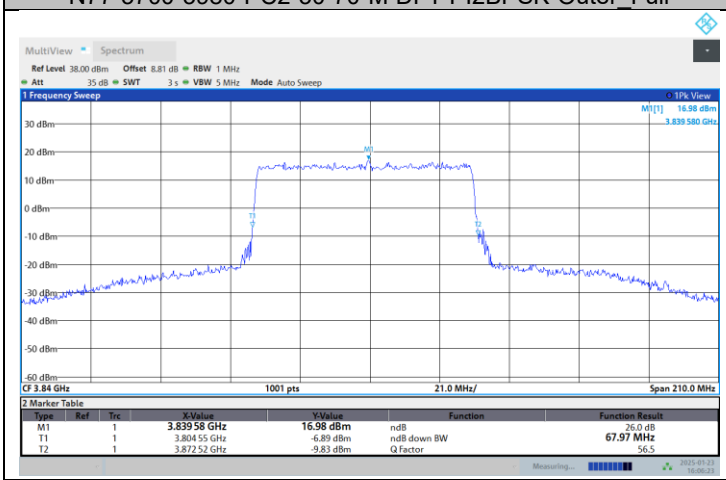

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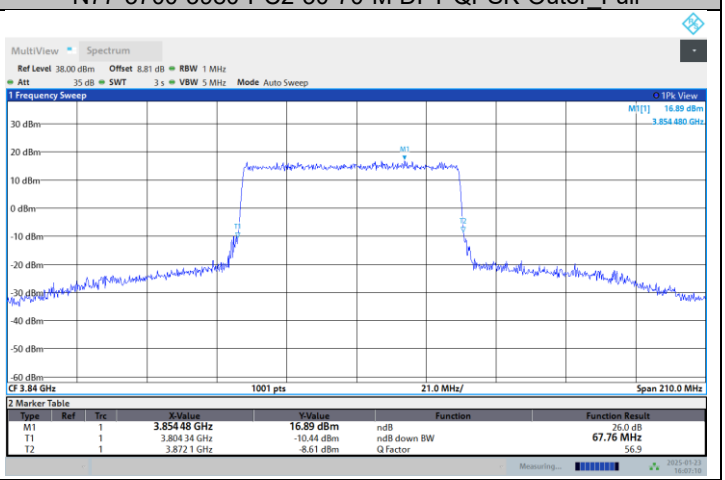

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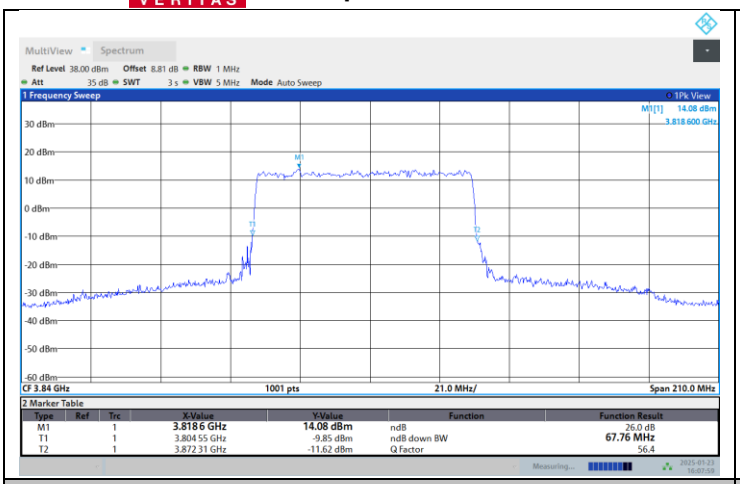

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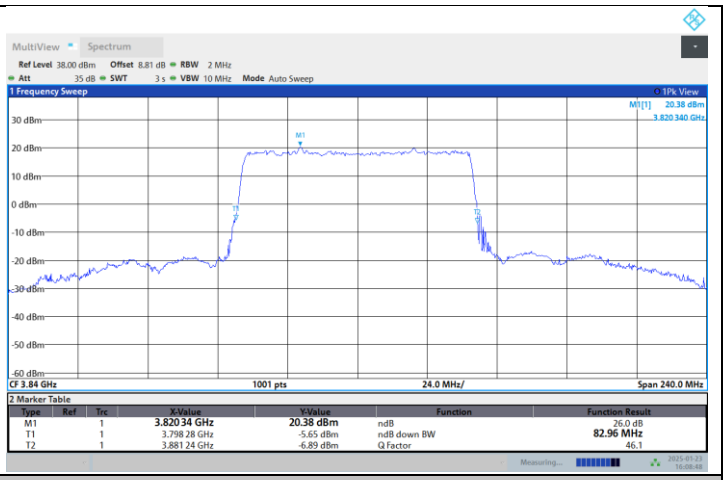

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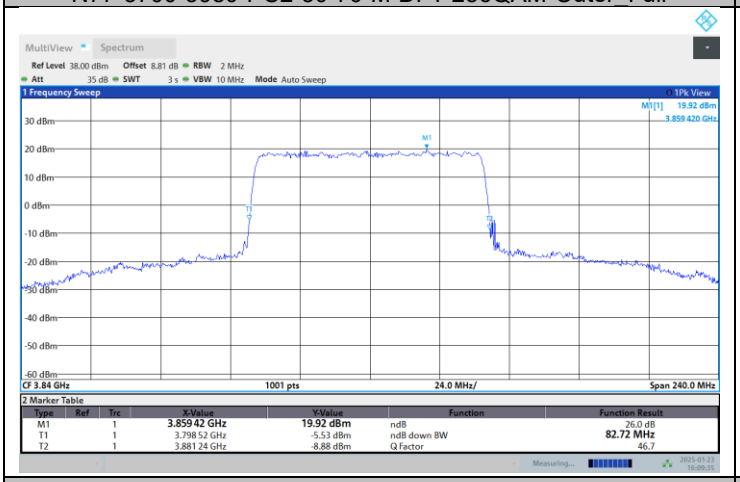

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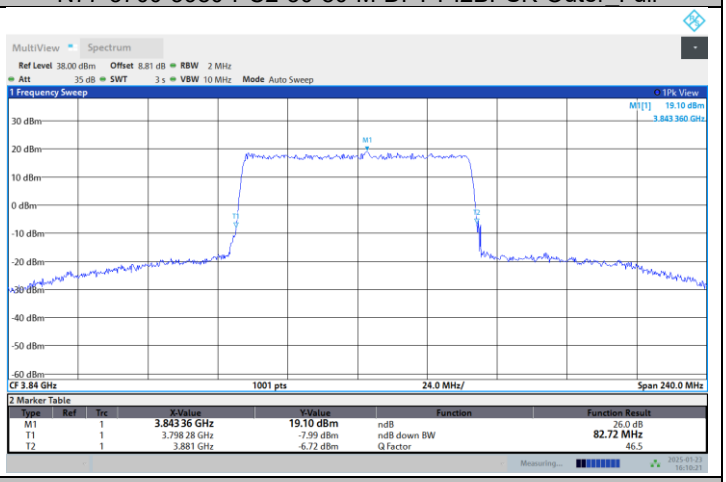

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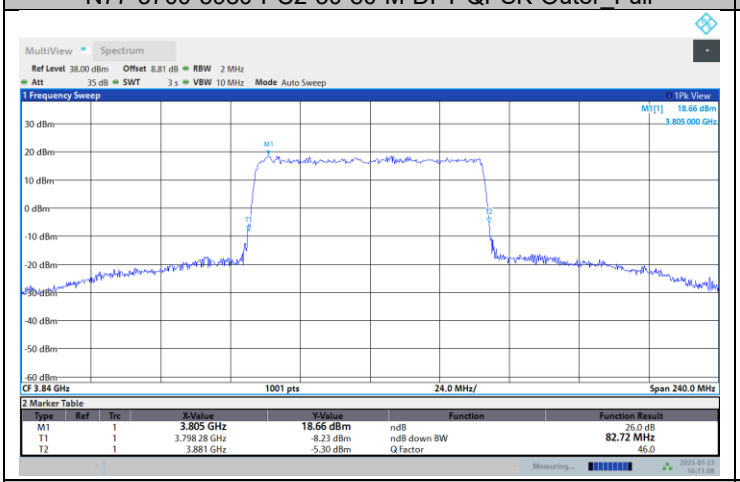

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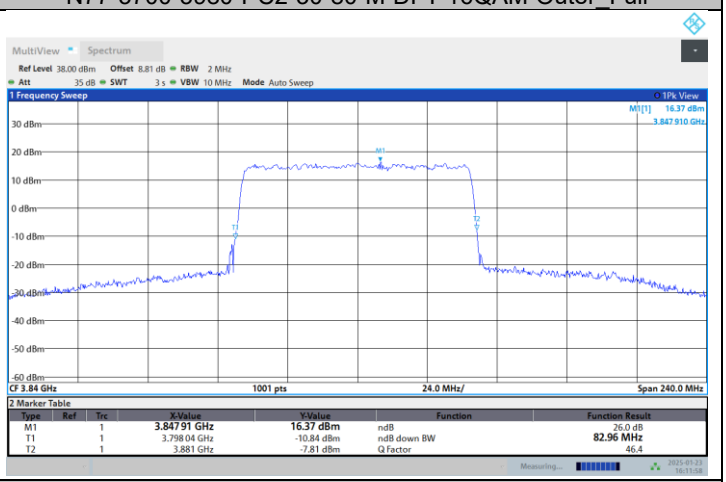

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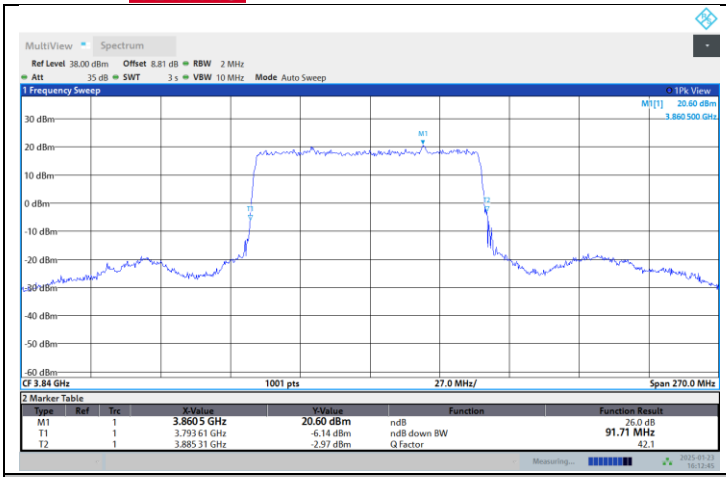

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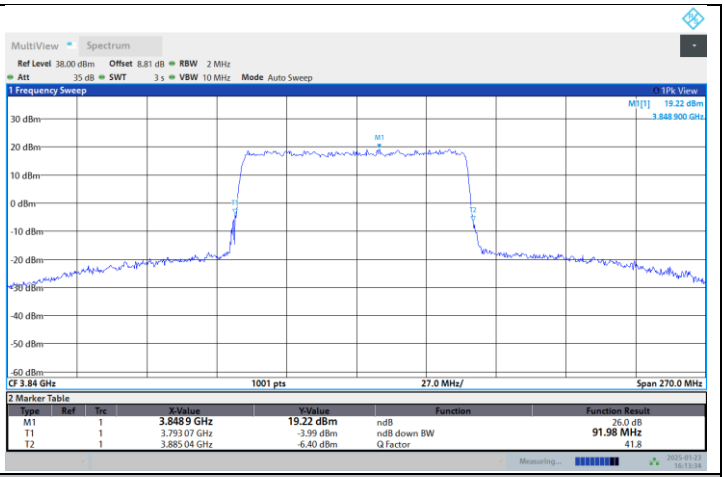

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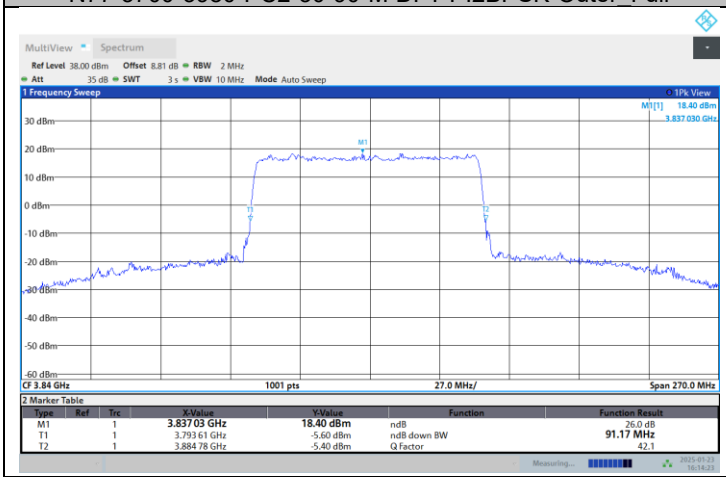

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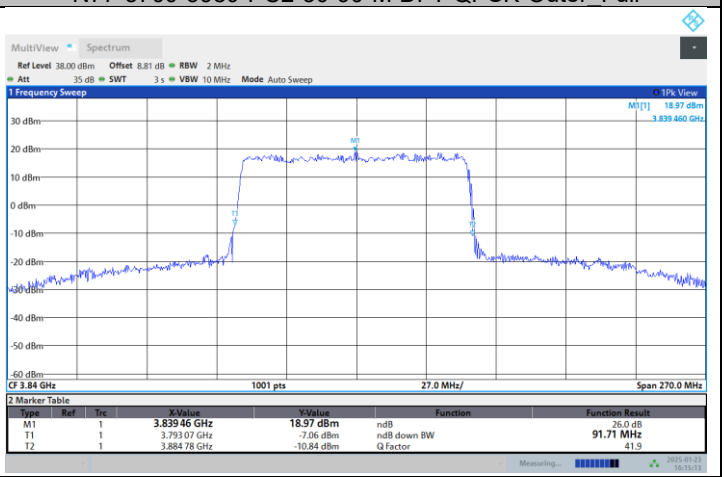

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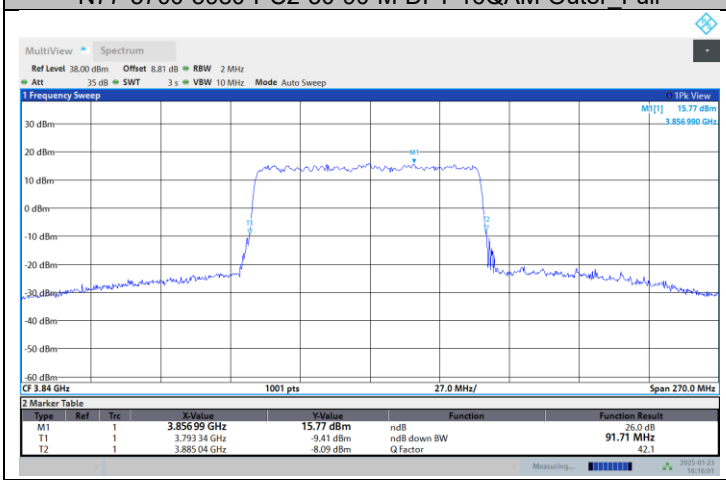

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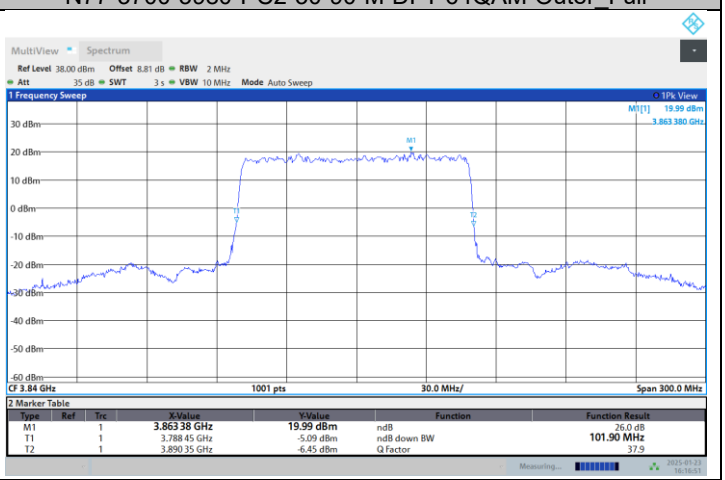
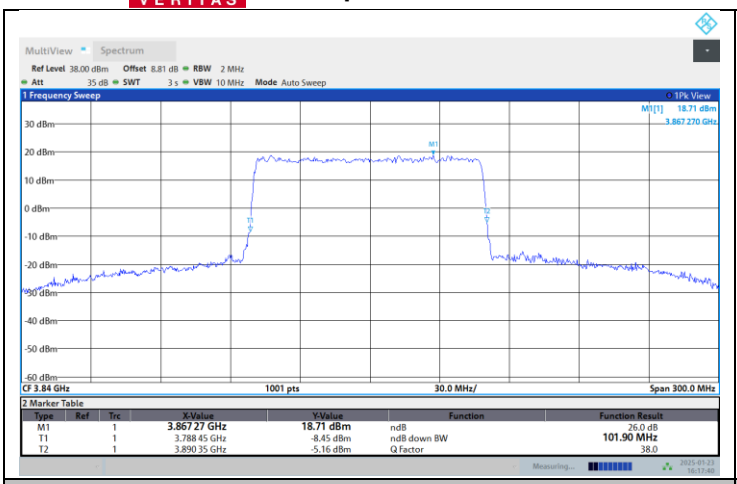
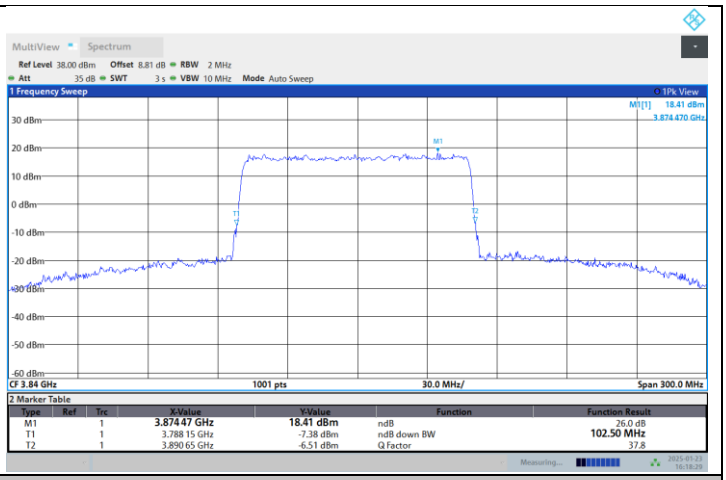


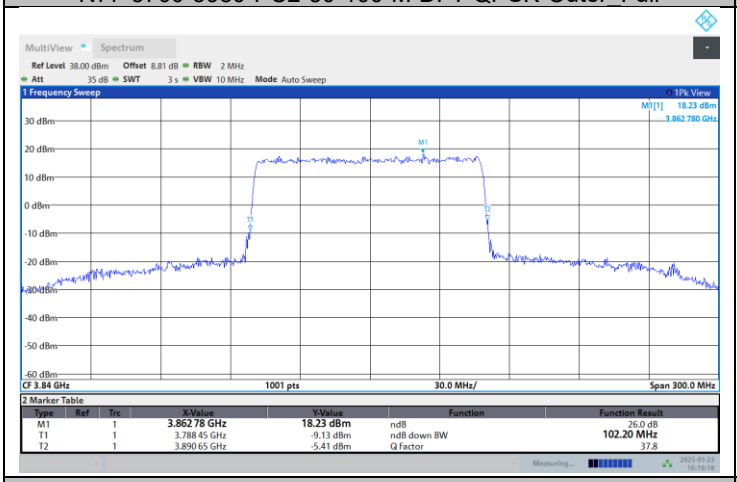
N77-3700-3980-PC2-30-100-M-DFT-PI2BPSK-Outer_Full



N77-3700-3980-PC2-30-100-M-DFT-QPSK-Outer_Full



N77-3700-3980-PC2-30-100-M-DFT-16QAM-Outer_Full



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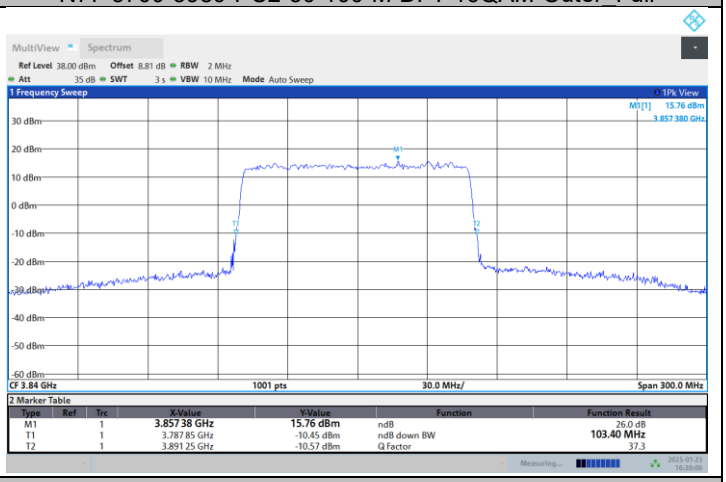


N77-3700-3980-PC2-30-100-M-DFT-256QAM-Outer_Full

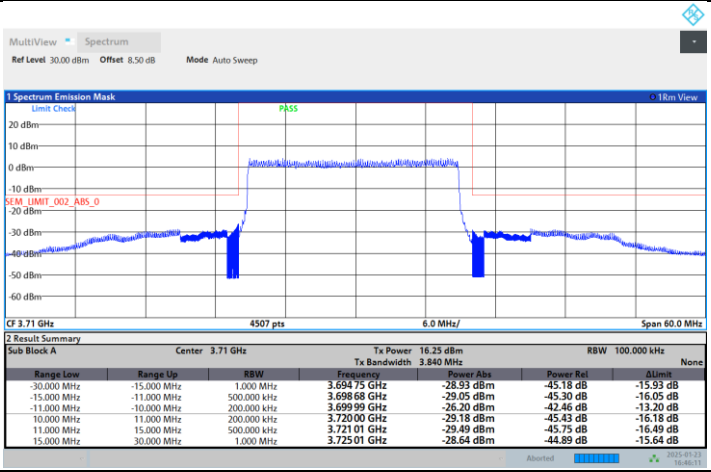
BAND EDGE FOR SA

Test Result

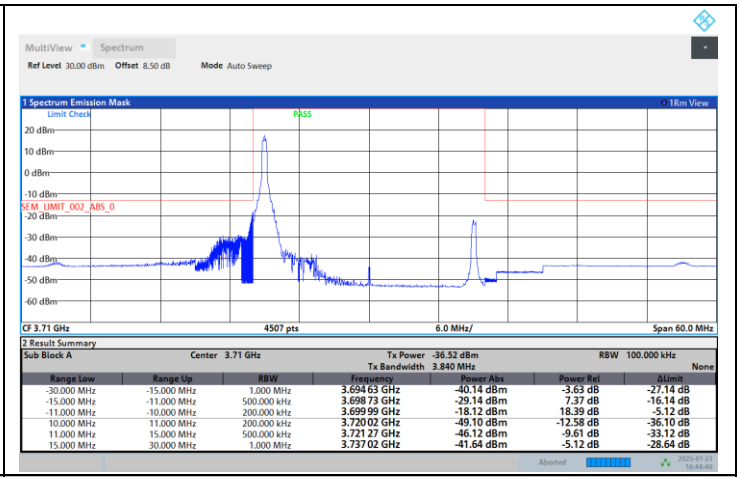
NOTE: Pre-scan QPSK,16QAM,64QAM, 256QAM four modulations modes, only the worst mode and data reflected in the report.

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	See Graph	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	See Graph	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Right	See Graph	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	See Graph	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	See Graph	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Edge_1RB_Right	See Graph	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Outer_Full	See Graph	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	See Graph	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Right	See Graph	PASS

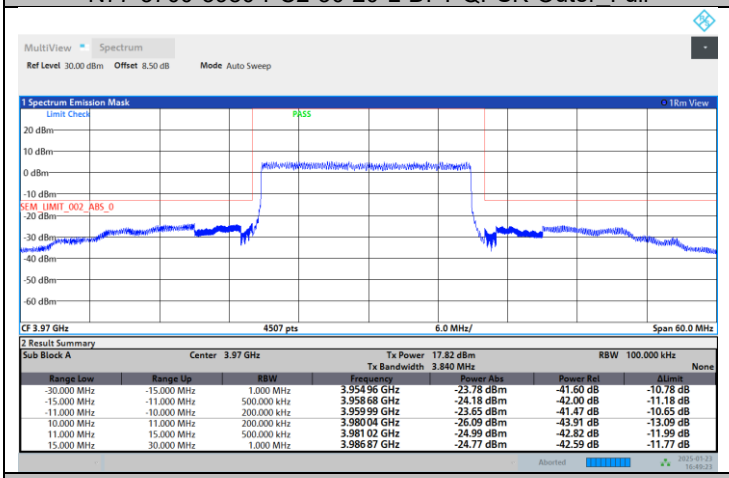
Test Graphs



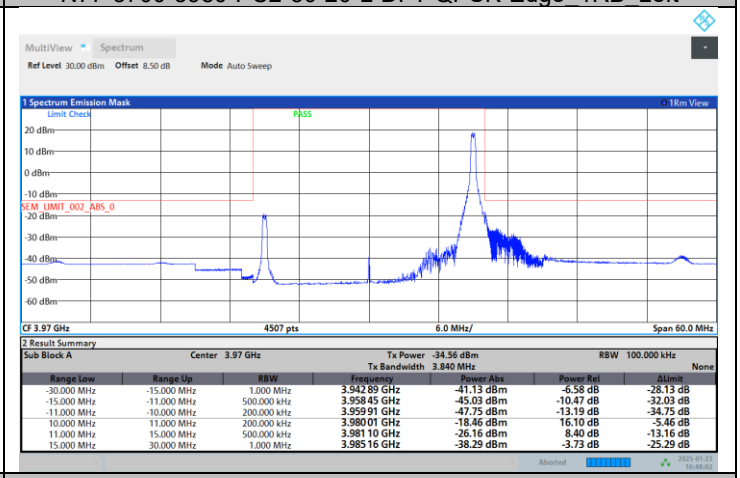
N77-3700-3980-PC2-30-20-L-DFT-QPSK-Outer_Full



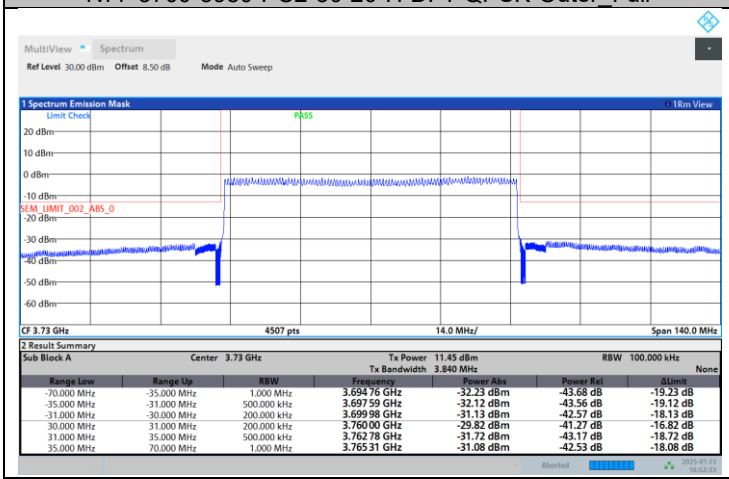
N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left



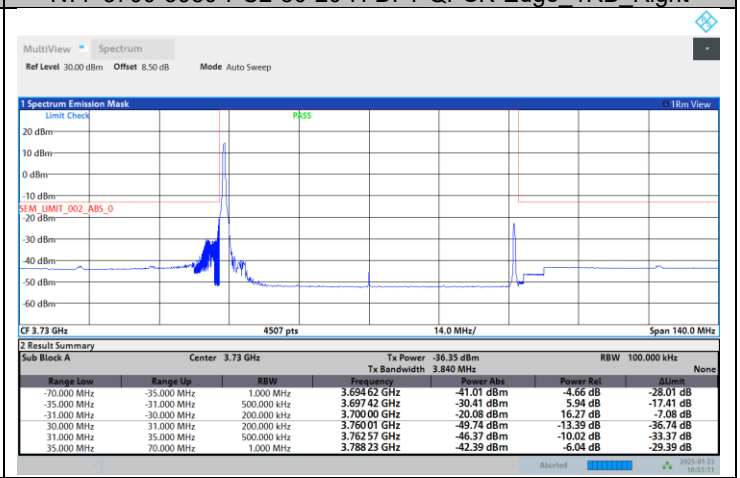
N77-3700-3980-PC2-30-20-H-DFT-QPSK-Outer_Full



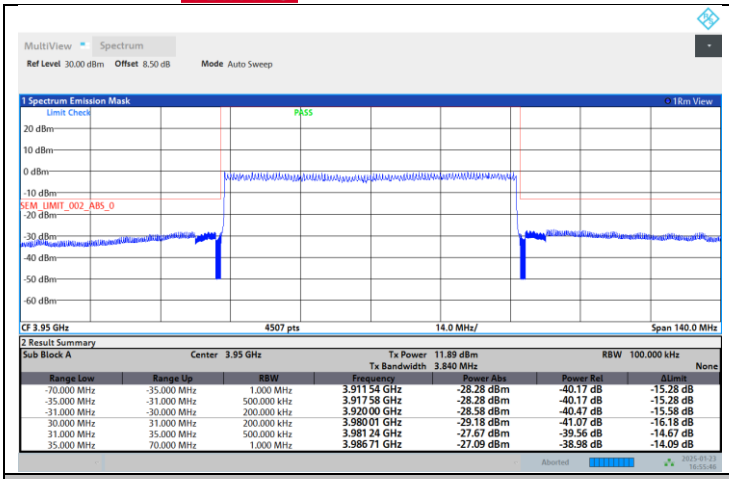
N77-3700-3980-PC2-30-20-H-DFT-QPSK-Edge_1RB_Right



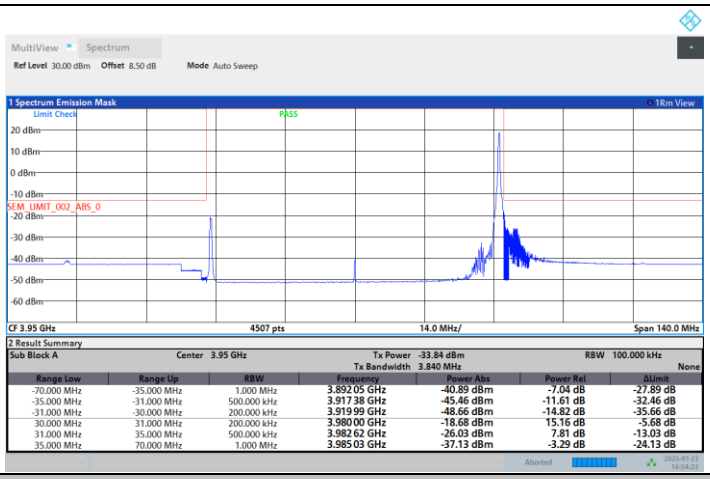
N77-3700-3980-PC2-30-60-L-DFT-QPSK-Outer_Full



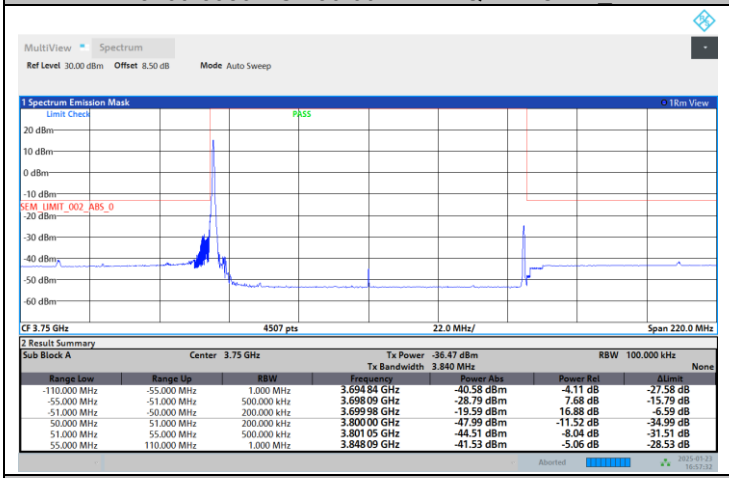
N77-3700-3980-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left



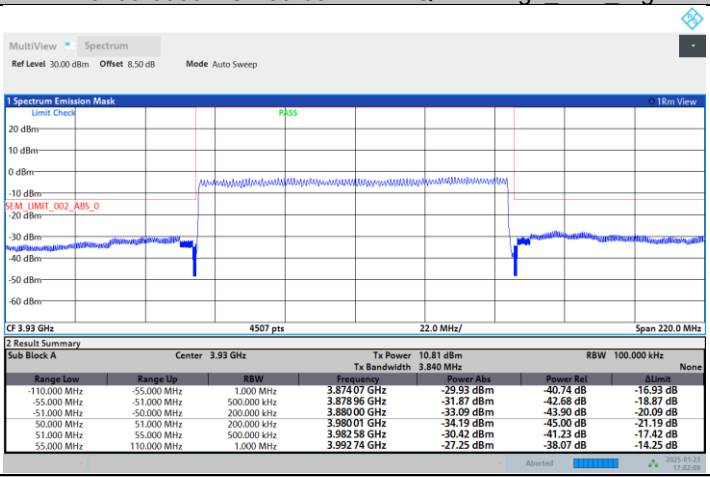
N77-3700-3980-PC2-30-60-H-DFT-QPSK-Outer_Full



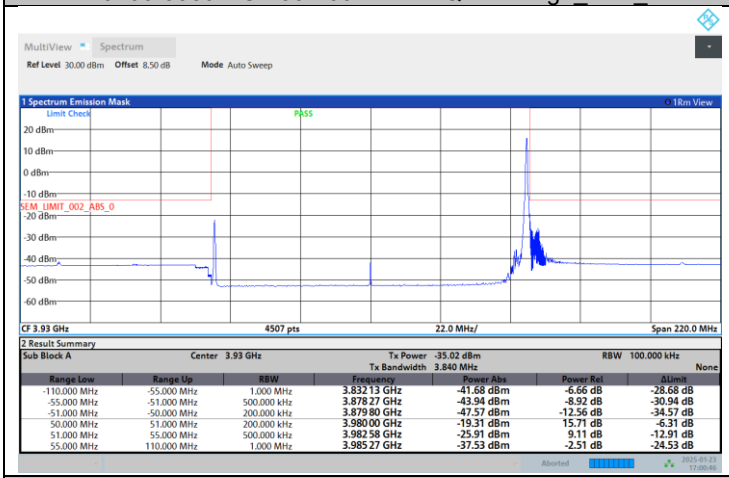
N77-3700-3980-PC2-30-60-H-DFT-QPSK-Edge_1RB_Right



N77-3700-3980-PC2-30-100-M-DFT-QPSK-Edge_1RB_Left



N77-3700-3980-PC2-30-100-M-DFT-QPSK-Outer_Full



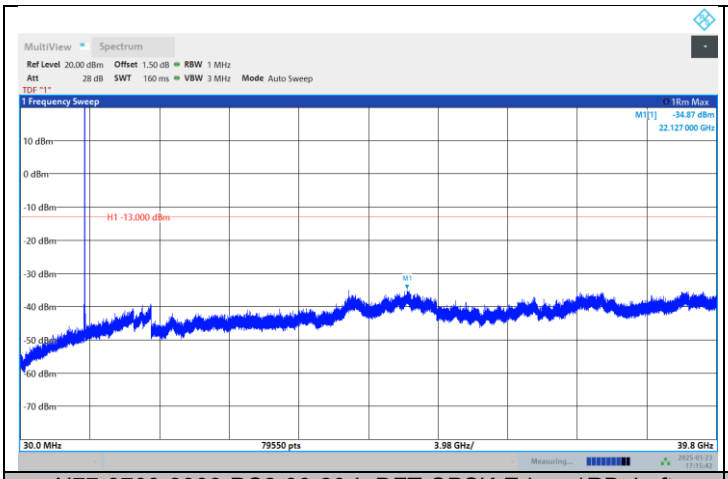
N77-3700-3980-PC2-30-100-M-DFT-QPSK-Edge_1RB_Right

CONDUCTED SPURIOUS EMISSION FOR SA

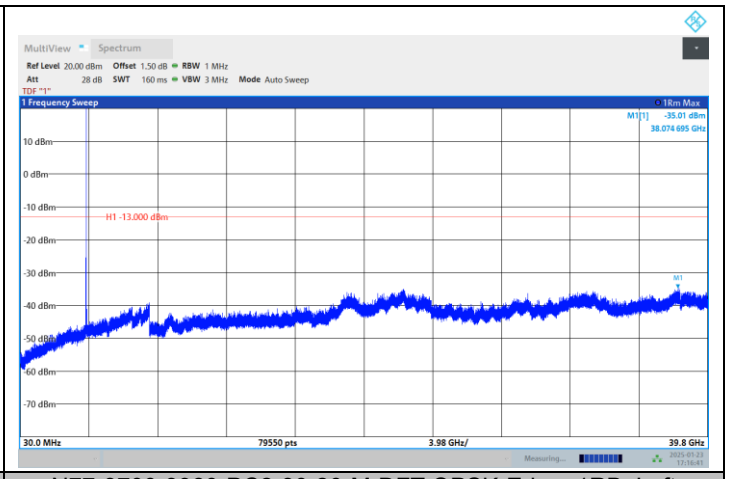
Test Result

Band	SCS	Band width	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	30	39800	See Graph	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Edge_1RB_Left	30	39800	See Graph	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Left	30	39800	See Graph	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Edge_1RB_Left	30	39800	See Graph	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Edge_1RB_Left	30	39800	See Graph	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Edge_1RB_Left	30	39800	See Graph	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	30	39800	See Graph	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	30	39800	See Graph	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Left	30	39800	See Graph	-13	PASS

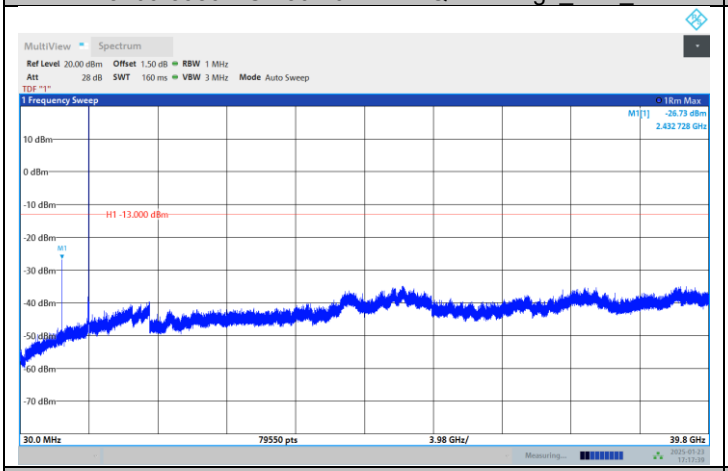
Test Graphs



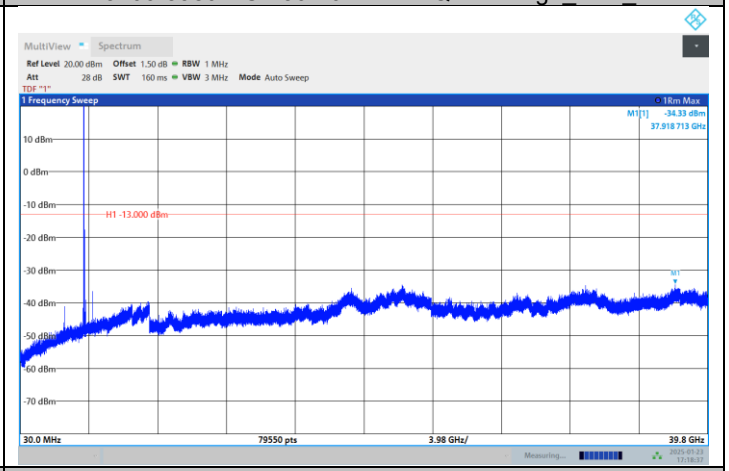
N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left



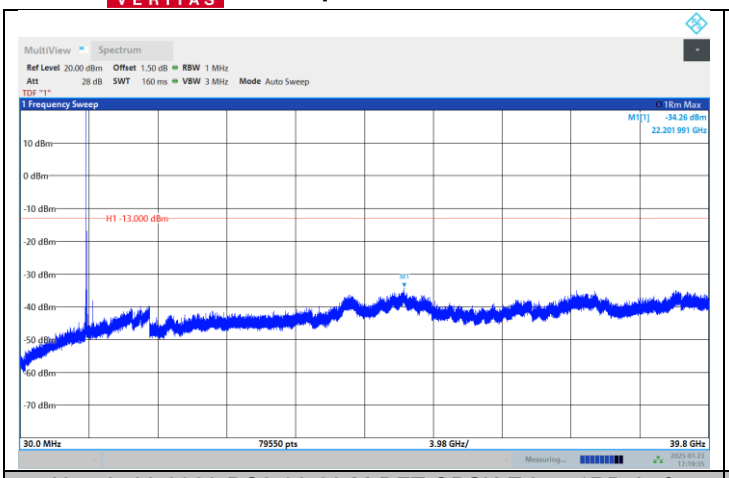
N77-3700-3980-PC2-30-20-M-DFT-QPSK-Edge_1RB_Left



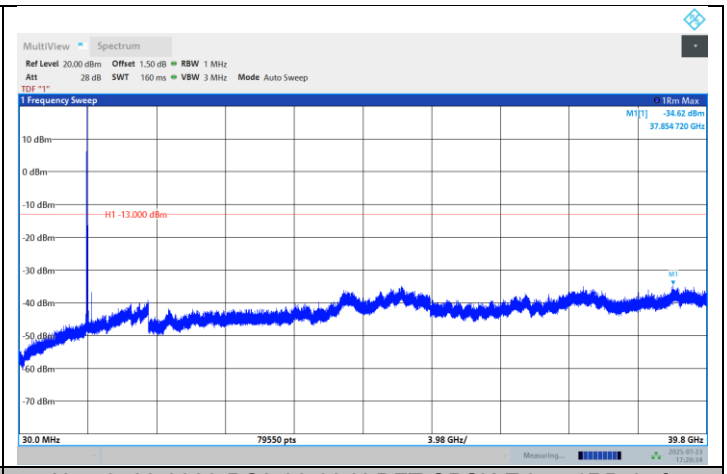
N77-3700-3980-PC2-30-20-H-DFT-QPSK-Edge_1RB_Left



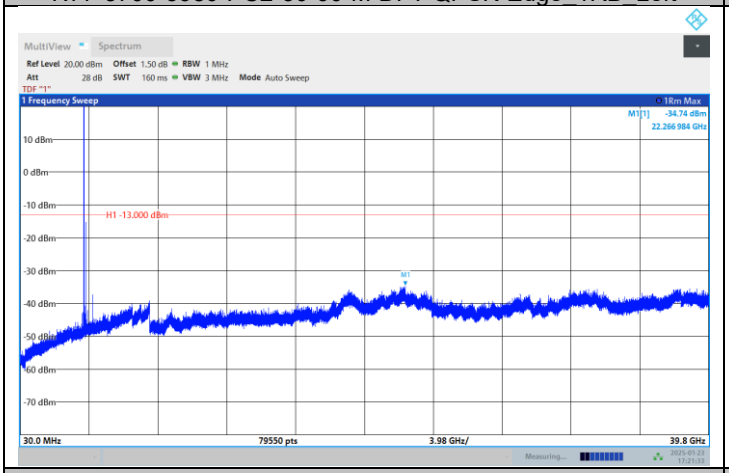
N77-3700-3980-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left



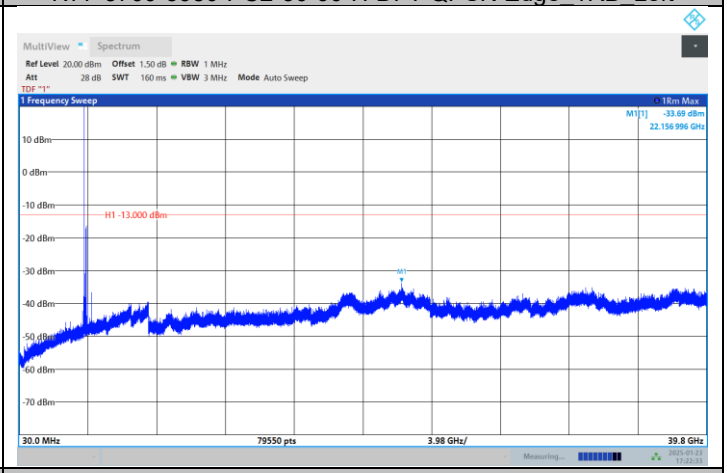
N77-3700-3980-PC2-30-60-M-DFT-QPSK-Edge_1RB_Left



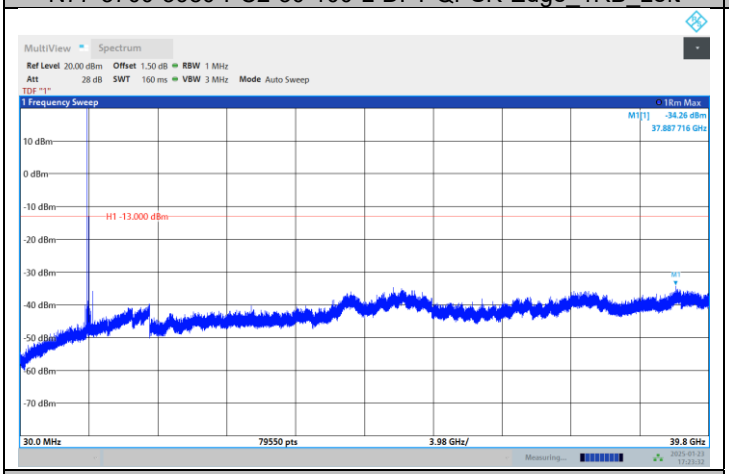
N77-3700-3980-PC2-30-60-H-DFT-QPSK-Edge_1RB_Left



N77-3700-3980-PC2-30-100-L-DFT-QPSK-Edge_1RB_Left



N77-3700-3980-PC2-30-100-M-DFT-QPSK-Edge_1RB_Left



N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Left

FREQUENCY STABILITY FOR SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VL	NT	21.00	0.0057	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VN	NT	14.00	0.0038	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VH	NT	-12.00	-0.0032	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VL	NT	-16.00	-0.0042	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VN	NT	-12.00	-0.0031	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VH	NT	-18.00	-0.0047	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	VL	NT	10.00	0.0025	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	VN	NT	-28.00	-0.0071	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	VH	NT	8.00	0.0020	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-30	18.00	0.0049	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-20	-7.90	-0.0021	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-10	32.70	0.0088	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	0	7.90	0.0021	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	10	28.40	0.0077	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	20	23.10	0.0062	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	30	-6.50	-0.0018	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	40	-32.60	-0.0088	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	50	5.30	0.0014	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-30	5.50	0.0014	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-20	-29.70	-0.0077	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-10	16.90	0.0044	PASS

N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	0	-2.60	-0.0007	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	10	13.30	0.0035	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	20	11.40	0.0030	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	30	32.70	0.0085	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	40	31.60	0.0082	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	50	-17.00	-0.0044	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-30	-18.40	-0.0046	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-20	9.10	0.0023	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-10	6.60	0.0017	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	0	4.30	0.0011	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	10	-9.30	-0.0023	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	20	24.10	0.0061	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	30	5.80	0.0015	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	40	-30.20	-0.0076	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	50	17.30	0.0044	PASS