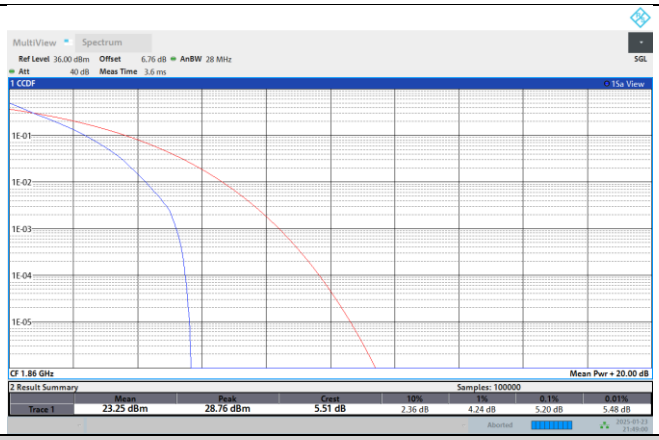
N2

PEAK-TO-AVERAGE RATIO(CCDF)

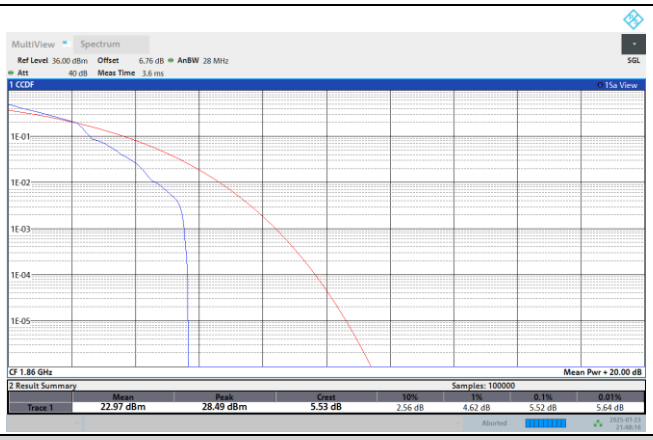
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N2	15	20MHz	DFT-QPSK	L	Outer_Full	5.20	13	PASS
N2	15	20MHz	DFT-QPSK	L	Edge_1RB_Left	5.52	13	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	5.44	13	PASS
N2	15	20MHz	DFT-QPSK	M	Edge_1RB_Left	5.74	13	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	5.32	13	PASS
N2	15	20MHz	DFT-QPSK	H	Edge_1RB_Left	5.66	13	PASS

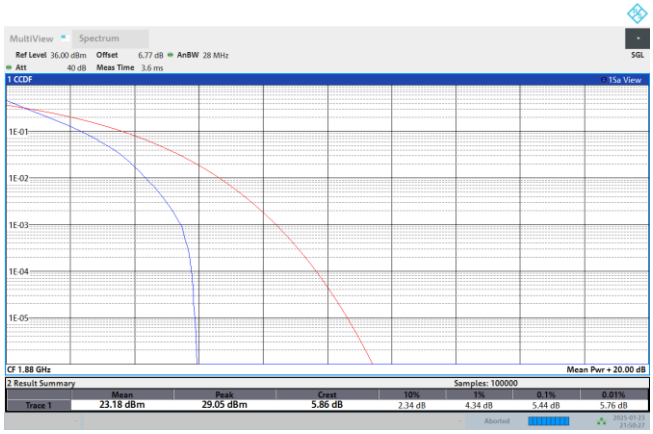
Test Graphs



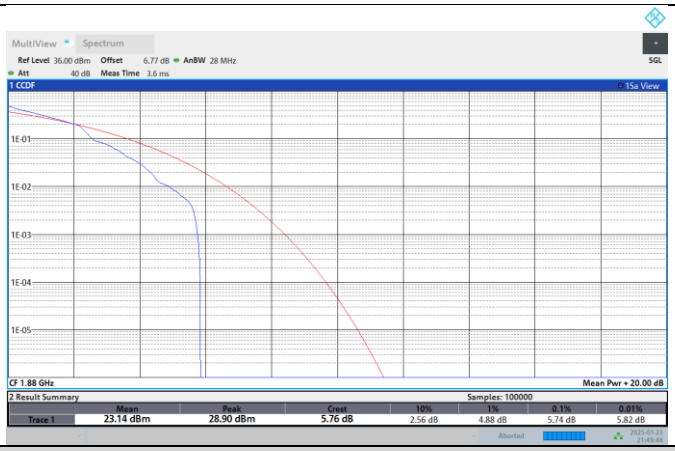
N2-PC3-20MHz-L-DFT-QPSK-Outer_Full



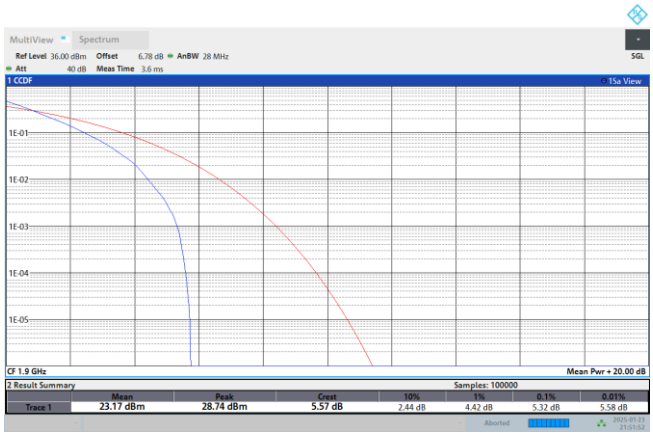
N2-PC3-20MHz-L-DFT-QPSK-Edge_1RB_Left



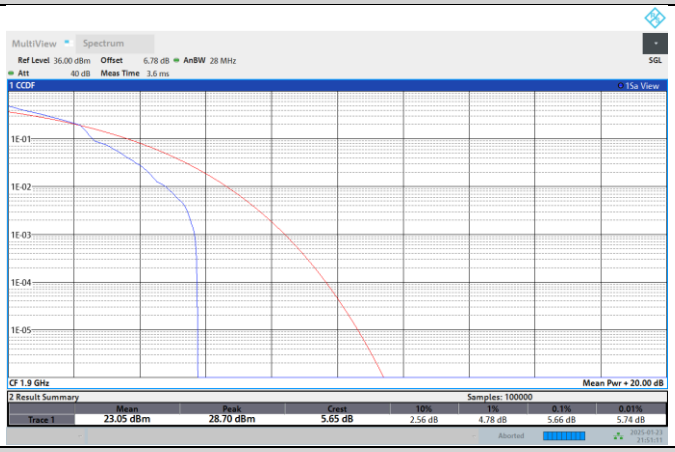
N2-PC3-20MHz-M-DFT-QPSK-Outer_Full



N2-PC3-20MHz-M-DFT-QPSK-Edge_1RB_Left



N2-PC3-20MHz-H-DFT-QPSK-Outer_Full



N2-PC3-20MHz-H-DFT-QPSK-Edge_1RB_Left

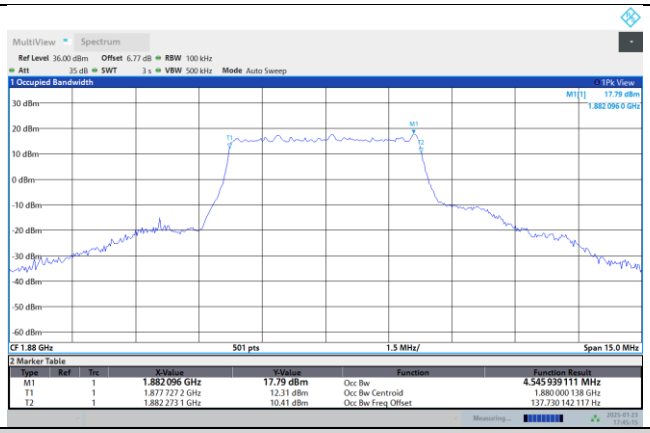
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

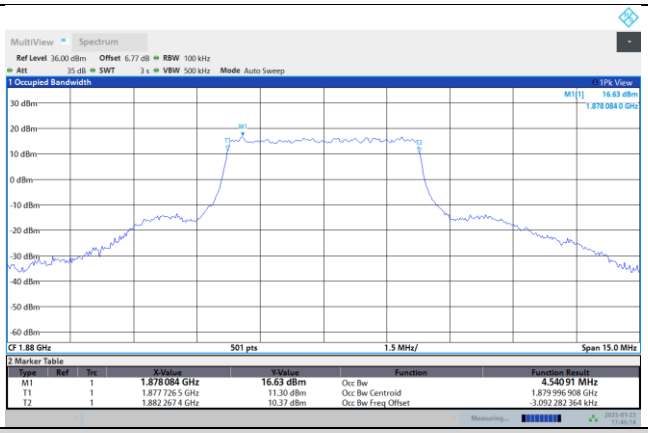
Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N2	15	5MHz	DFT-PI2BPSK	M	Outer_Full	4.546	5.23	PASS
N2	15	5MHz	DFT-QPSK	M	Outer_Full	4.541	5.21	PASS
N2	15	5MHz	DFT-16QAM	M	Outer_Full	4.548	5.30	PASS
N2	15	5MHz	DFT-64QAM	M	Outer_Full	4.524	5.25	PASS
N2	15	5MHz	DFT-256QAM	M	Outer_Full	4.521	5.30	PASS
N2	15	10MHz	DFT-PI2BPSK	M	Outer_Full	9.039	9.98	PASS
N2	15	10MHz	DFT-QPSK	M	Outer_Full	9.022	9.92	PASS
N2	15	10MHz	DFT-16QAM	M	Outer_Full	9.008	9.95	PASS
N2	15	10MHz	DFT-64QAM	M	Outer_Full	9.047	10.04	PASS
N2	15	10MHz	DFT-256QAM	M	Outer_Full	9.040	9.92	PASS
N2	15	15MHz	DFT-PI2BPSK	M	Outer_Full	13.549	14.70	PASS
N2	15	15MHz	DFT-QPSK	M	Outer_Full	13.547	14.84	PASS
N2	15	15MHz	DFT-16QAM	M	Outer_Full	13.593	14.65	PASS
N2	15	15MHz	DFT-64QAM	M	Outer_Full	13.554	14.84	PASS
N2	15	15MHz	DFT-256QAM	M	Outer_Full	13.567	14.56	PASS
N2	15	20MHz	DFT-PI2BPSK	M	Outer_Full	18.121	20.14	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	18.164	19.78	PASS
N2	15	20MHz	DFT-16QAM	M	Outer_Full	18.108	19.48	PASS
N2	15	20MHz	DFT-64QAM	M	Outer_Full	18.125	19.42	PASS
N2	15	20MHz	DFT-256QAM	M	Outer_Full	18.042	19.90	PASS

Test Graphs

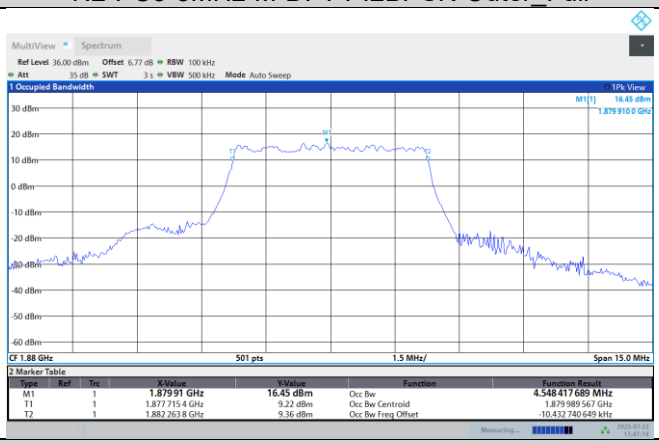
Occupied Bandwidth



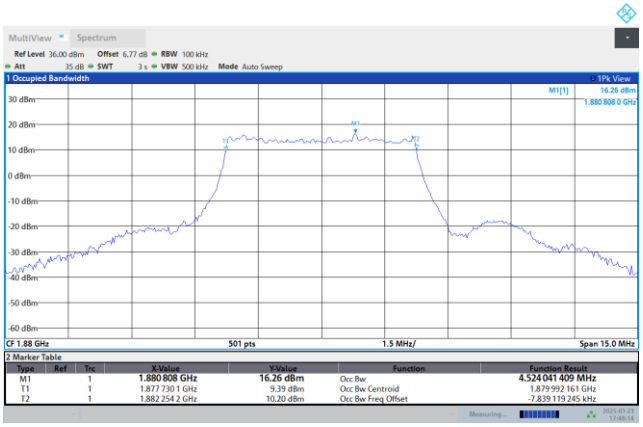
N2-PC3-5MHz-M-DFT-PI2BPSK-Outer_Full



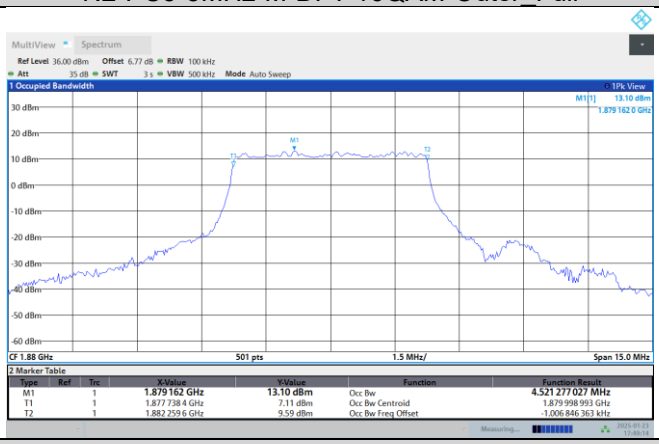
N2-PC3-5MHz-M-DFT-QPSK-Outer_Full



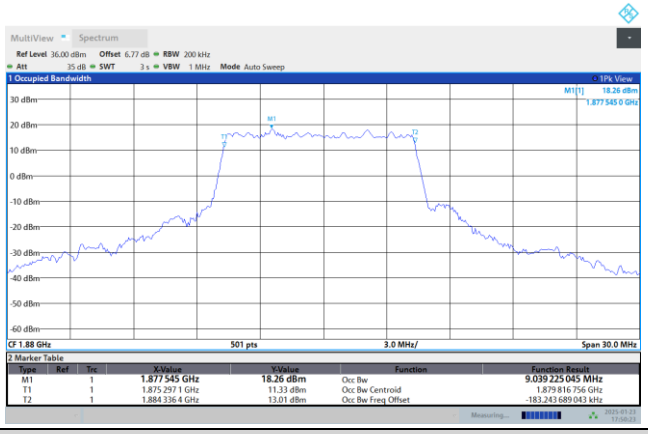
N2-PC3-5MHz-M-DFT-16QAM-Outer_Full



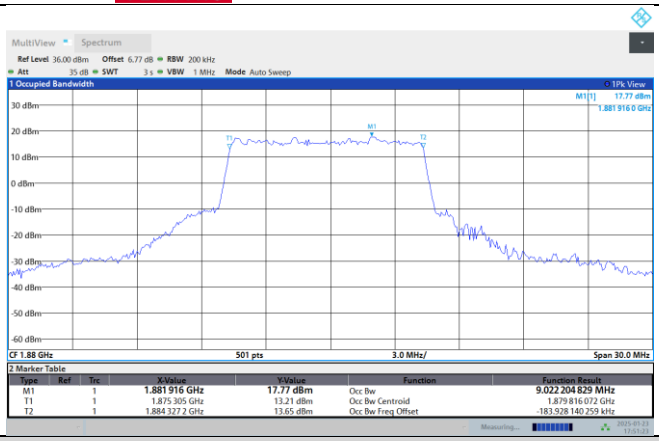
N2-PC3-5MHz-M-DFT-64QAM-Outer_Full



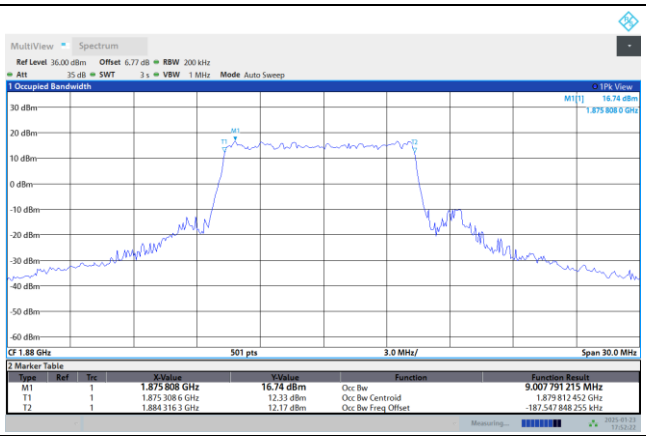
N2-PC3-5MHz-M-DFT-256QAM-Outer_Full



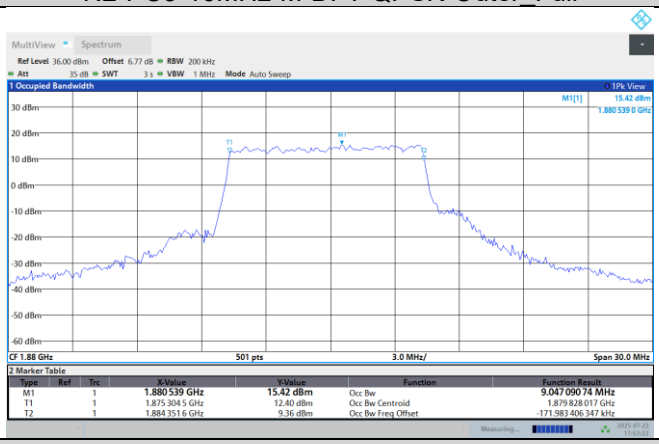
N2-PC3-10MHz-M-DFT-PI2BPSK-Outer_Full



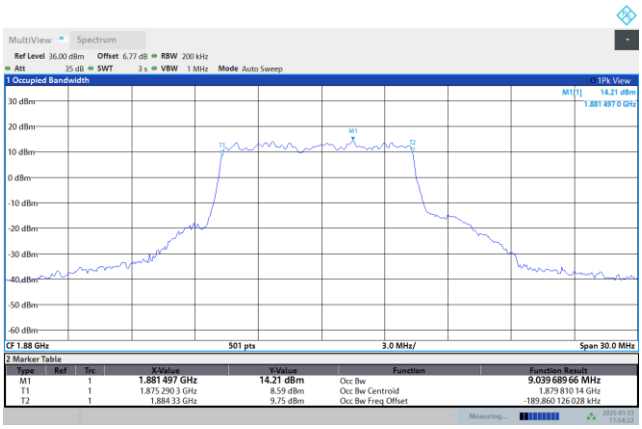
N2-PC3-10MHz-M-DFT-QPSK-Outer_Full



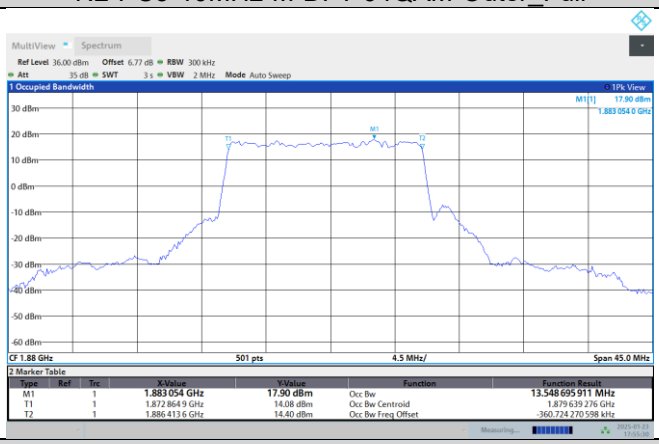
N2-PC3-10MHz-M-DFT-16QAM-Outer_Full



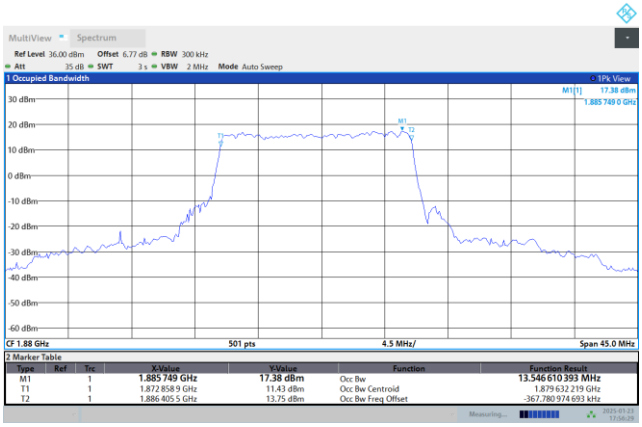
N2-PC3-10MHz-M-DFT-64QAM-Outer_Full



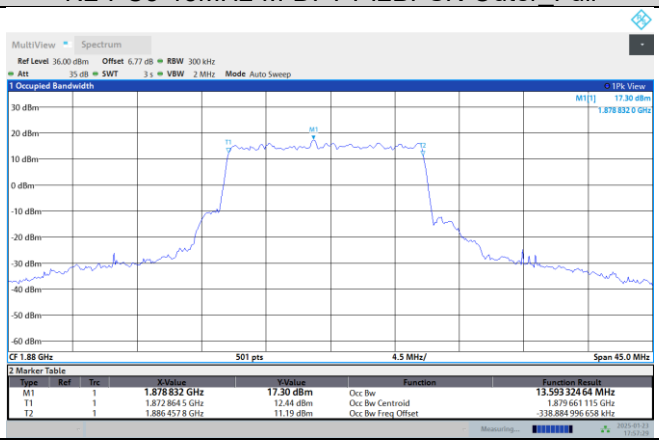
N2-PC3-10MHz-M-DFT-256QAM-Outer_Full

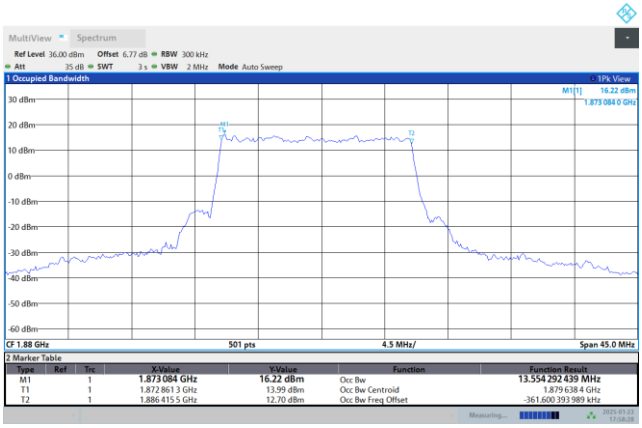


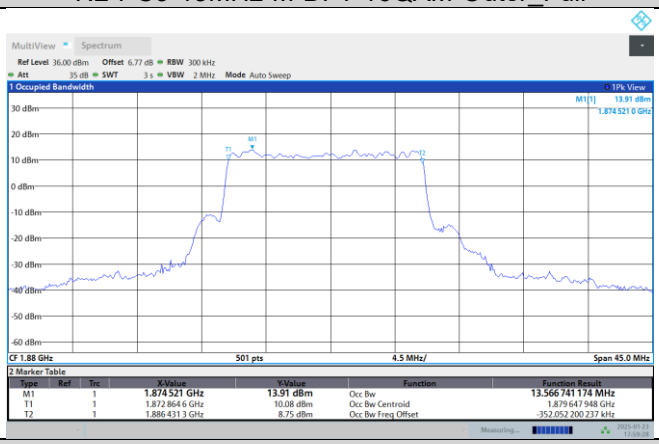
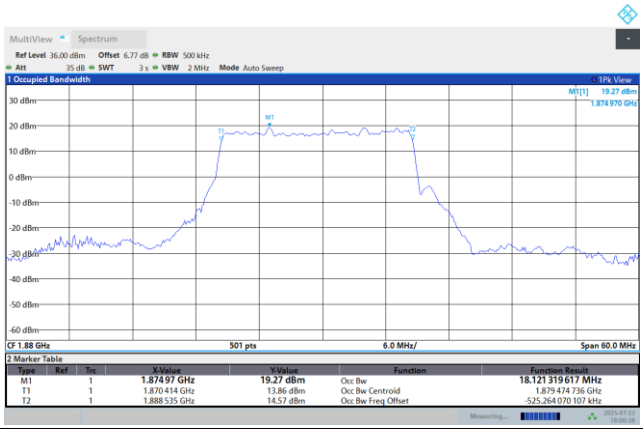
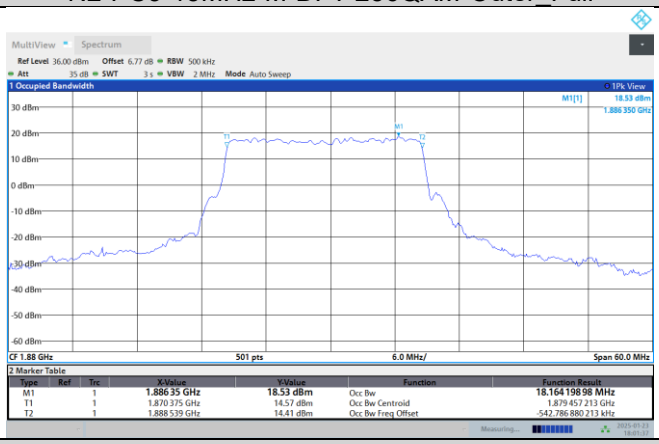
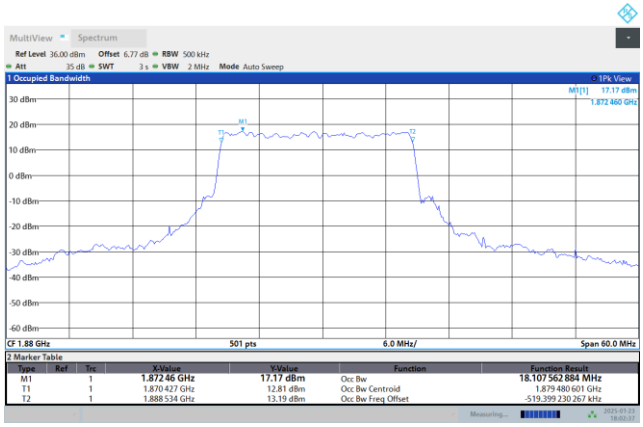
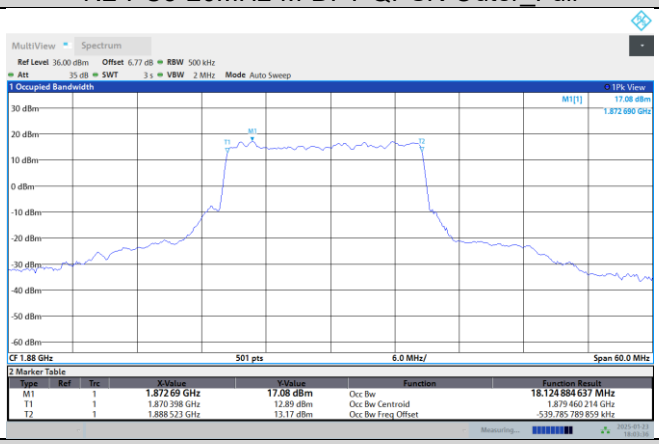
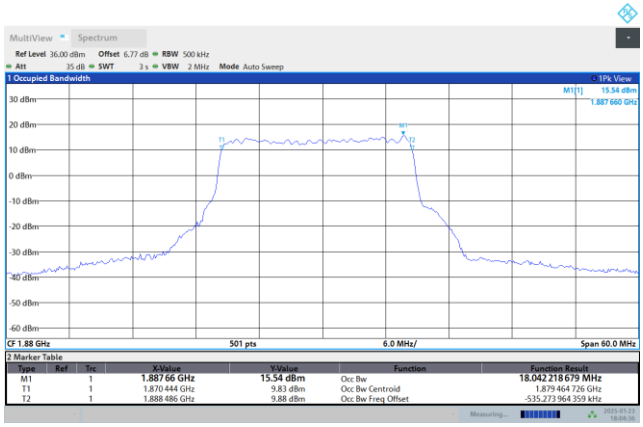
N2-PC3-15MHz-M-DFT-PI2BPSK-Outer_Full



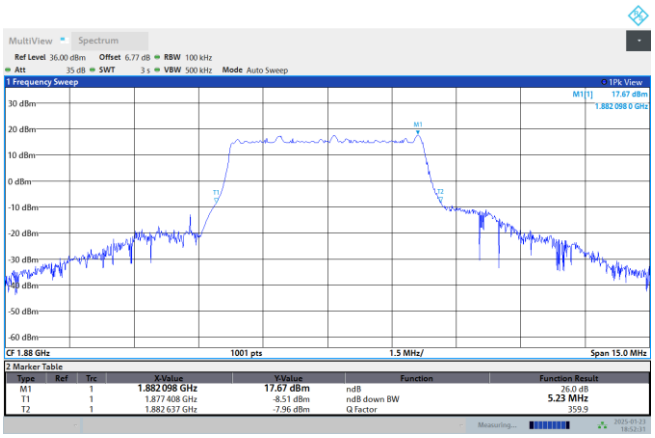
N2-PC3-15MHz-M-DFT-QPSK-Outer_Full



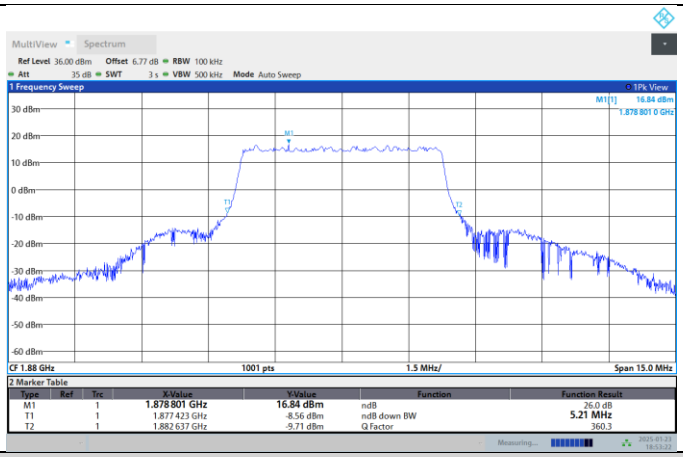


N2-PC3-15MHz-M-DFT-16QAM-Outer_Full	N2-PC3-15MHz-M-DFT-64QAM-Outer_Ful
	
N2-PC3-15MHz-M-DFT-256QAM-Outer_Full	N2-PC3-20MHz-M-DFT-PI2BPSK-Outer_Full
	
N2-PC3-20MHz-M-DFT-QPSK-Outer_Full	N2-PC3-20MHz-M-DFT-16QAM-Outer_Full
	
N2-PC3-20MHz-M-DFT-64QAM-Outer_Full	N2-PC3-20MHz-M-DFT-256QAM-Outer_Full

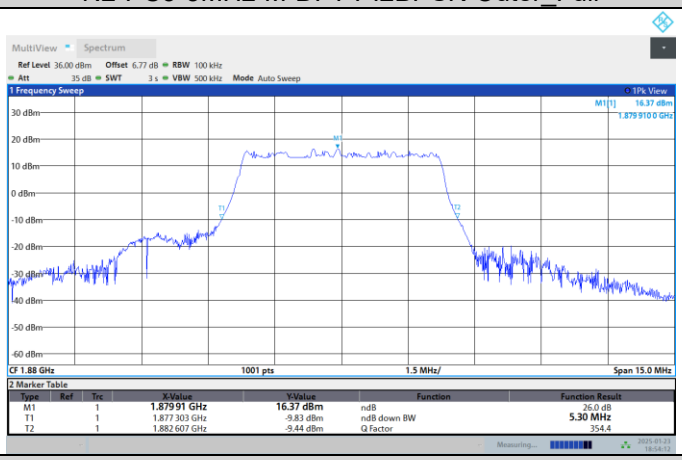
26dB Bandwidth



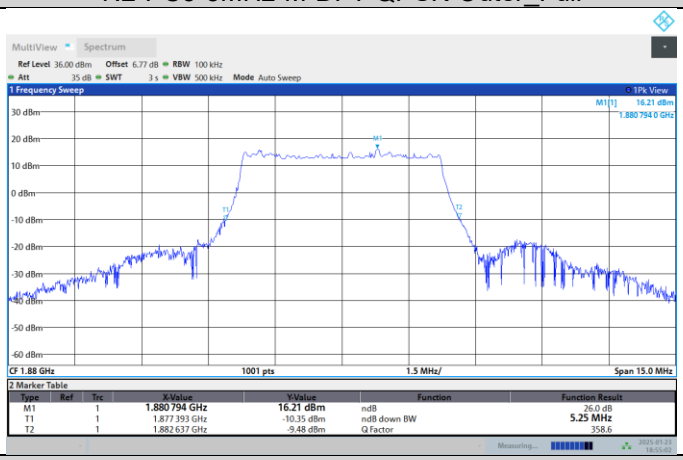
N2-PC3-5MHz-M-DFT-PI2BPSK-Outer_Full



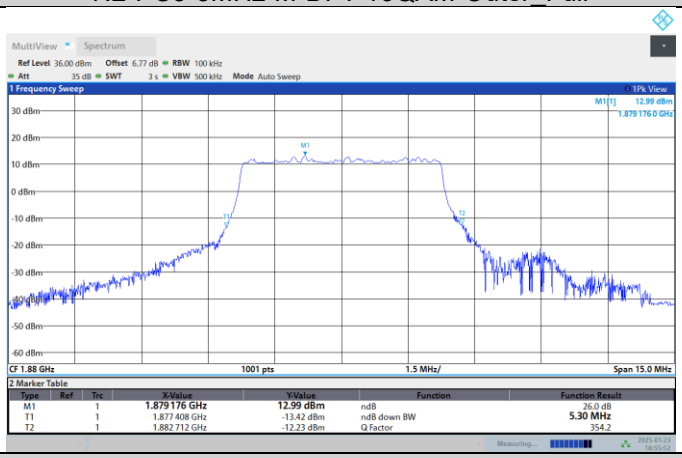
N2-PC3-5MHz-M-DFT-QPSK-Outer_Full



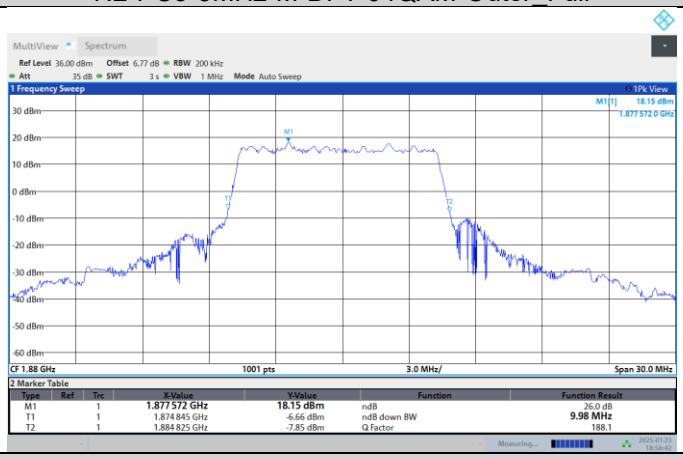
N2-PC3-5MHz-M-DFT-16QAM-Outer_Full



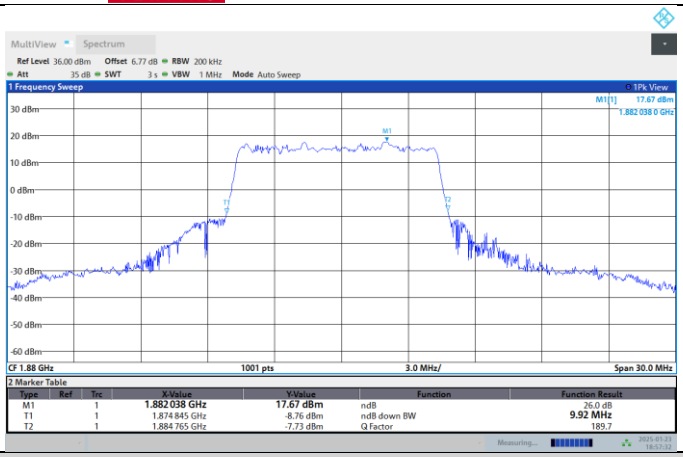
N2-PC3-5MHz-M-DFT-64QAM-Outer_Full



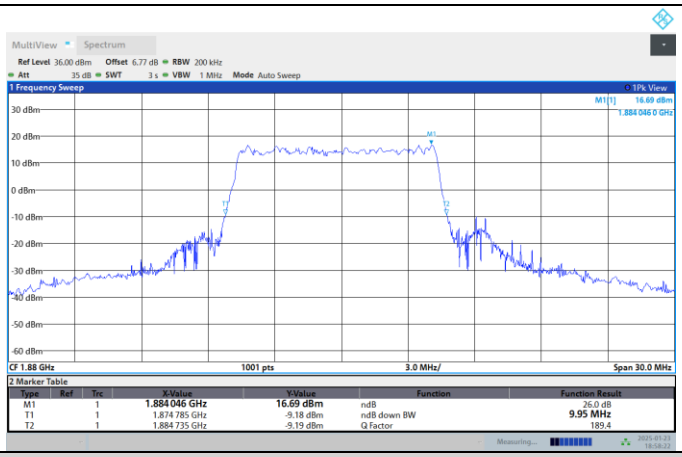
N2-PC3-5MHz-M-DFT-256QAM-Outer_Full



N2-PC3-10MHz-M-DFT-PI2BPSK-Outer_Full

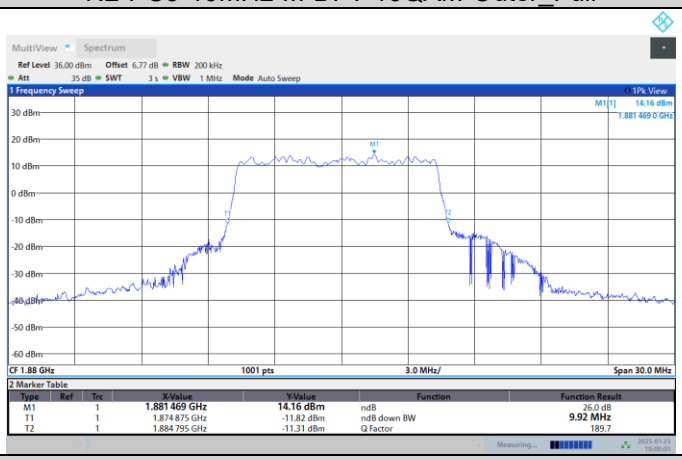


N2-PC3-10MHz-M-DFT-QPSK-Outer_Full



N2-PC3-10MHz-M-DFT-16QAM-Outer_Full

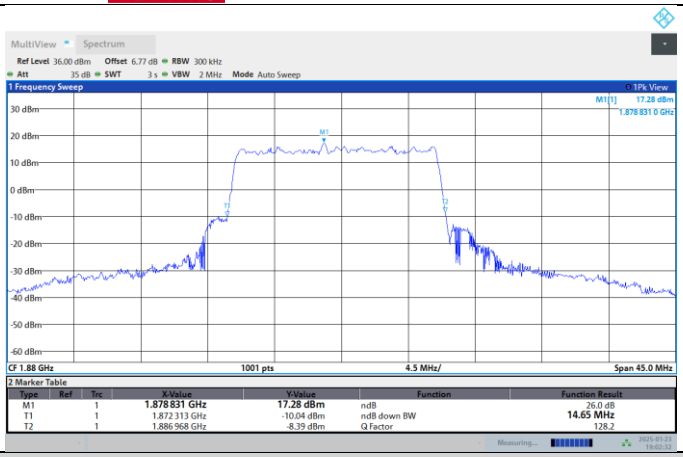
N2-PC3-10MHz-M-DFT-64QAM-Outer_Full



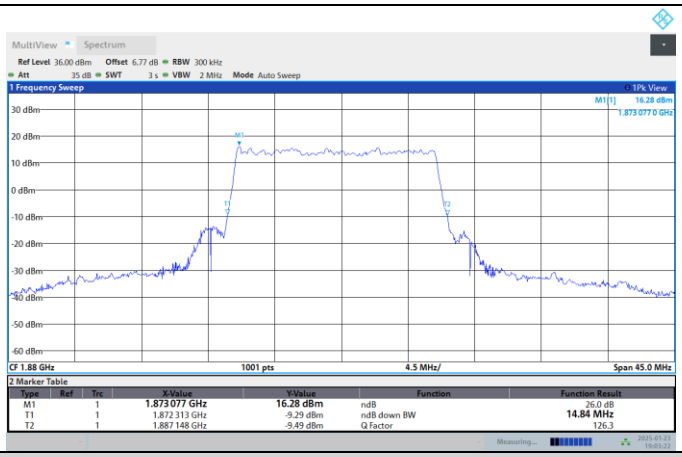
N2-PC3-10MHz-M-DFT-256QAM-Outer_Full

N2-PC3-15MHz-M-DFT-PI2BPSK-Outer_Full

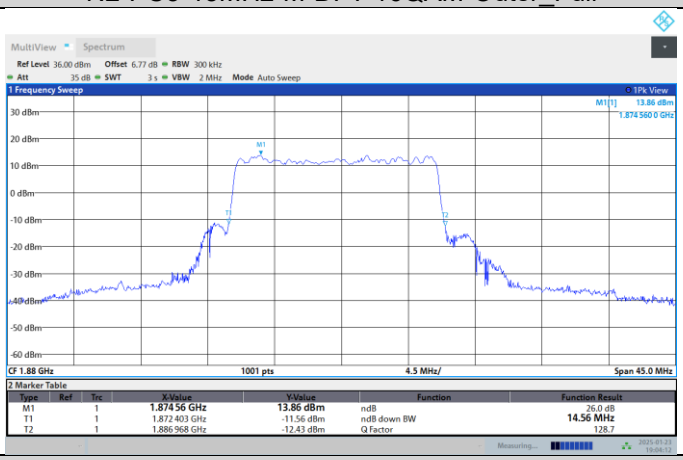
N2-PC3-15MHz-M-DFT-QPSK-Outer_Full



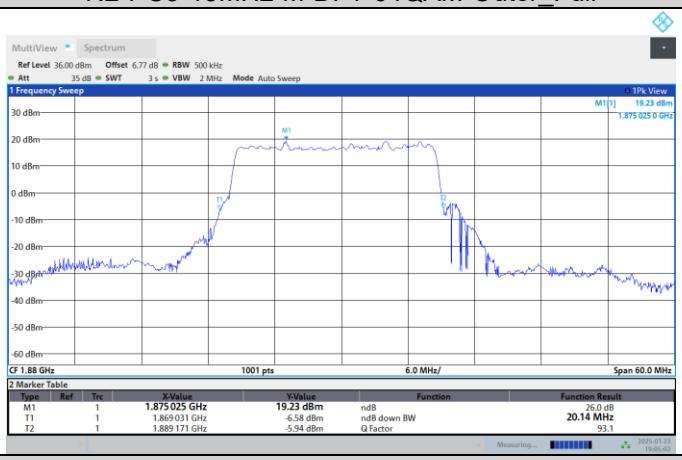
N2-PC3-15MHz-M-DFT-16QAM-Outer_Full



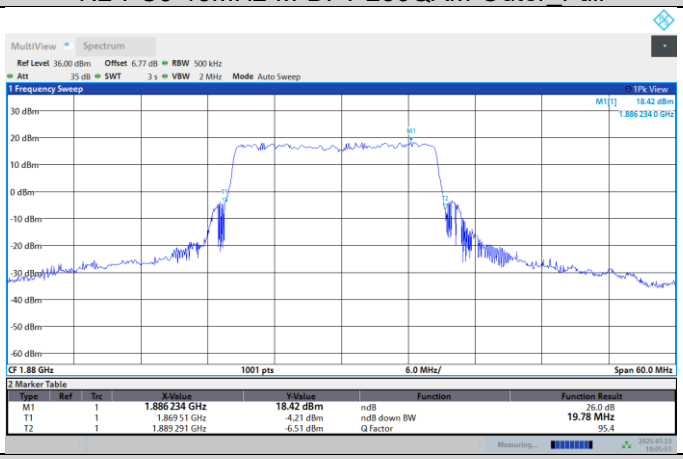
N2-PC3-15MHz-M-DFT-64QAM-Outer_Full



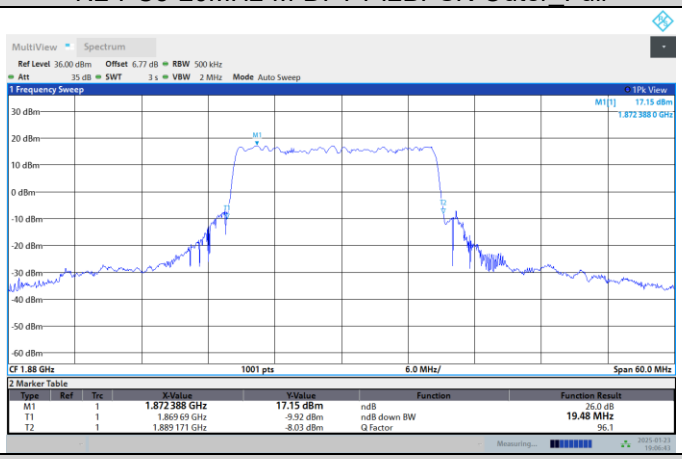
N2-PC3-15MHz-M-DFT-256QAM-Outer_Full



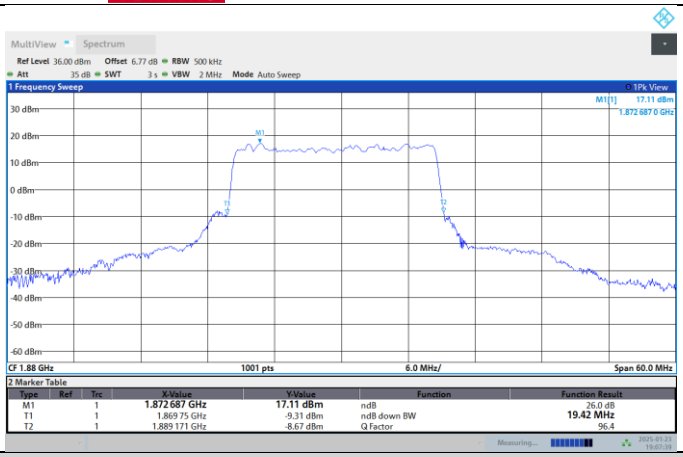
N2-PC3-20MHz-M-DFT-PI2BPSK-Outer_Full



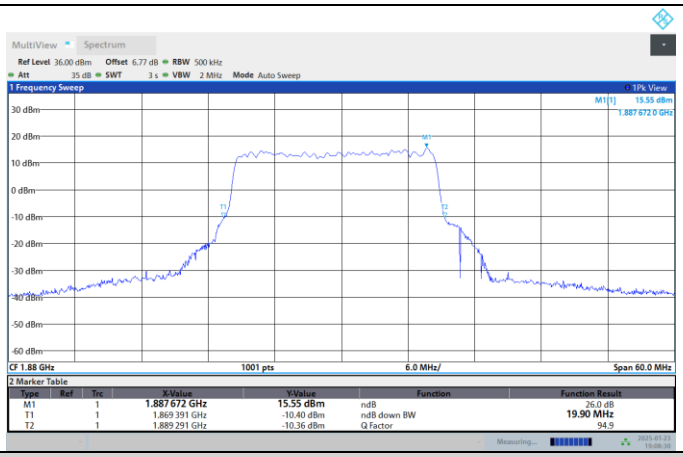
N2-PC3-20MHz-M-DFT-QPSK-Outer_Full



N2-PC3-20MHz-M-DFT-16QAM-Outer_Full



N2-PC3-20MHz-M-DFT-64QAM-Outer_Full



N2-PC3-20MHz-M-DFT-256QAM-Outer_Full

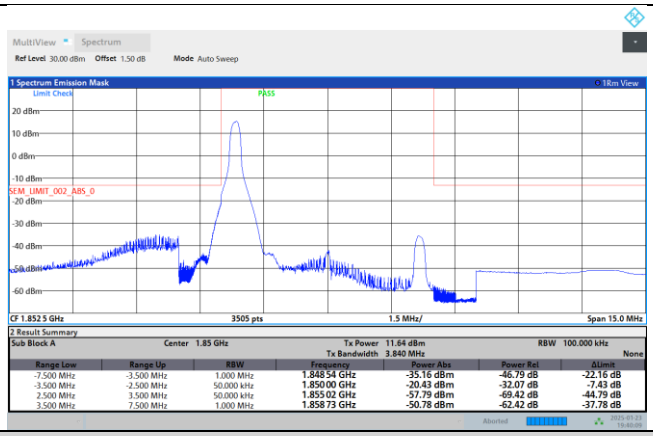
BAND EDGE

Test Result

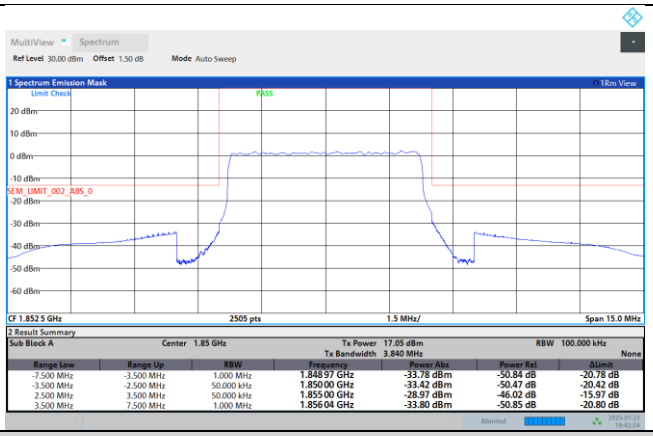
NOTE: Pre-scan QPSK,16QAM,64QAM, 256QAM four modulations modes, only the worst mode and data reflected in the report.

Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N2	15	5MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N2	15	5MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N2	15	5MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N2	15	5MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N2	15	10MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N2	15	10MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N2	15	10MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N2	15	10MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N2	15	15MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N2	15	15MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N2	15	15MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N2	15	15MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N2	15	20MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N2	15	20MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS

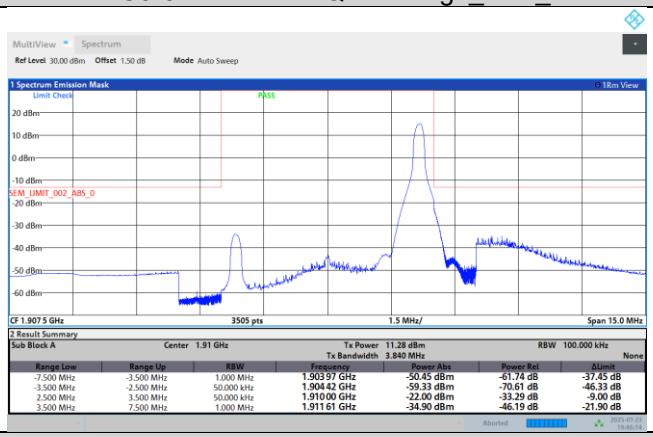
Test Graphs



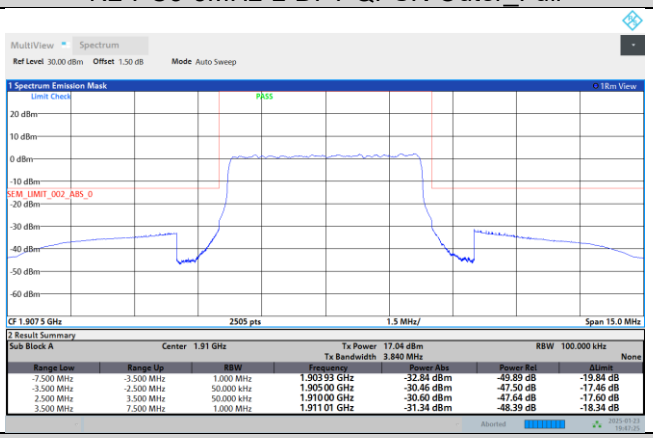
N2-PC3-5MHz-L-DFT-QPSK-Edge_1RB_Left



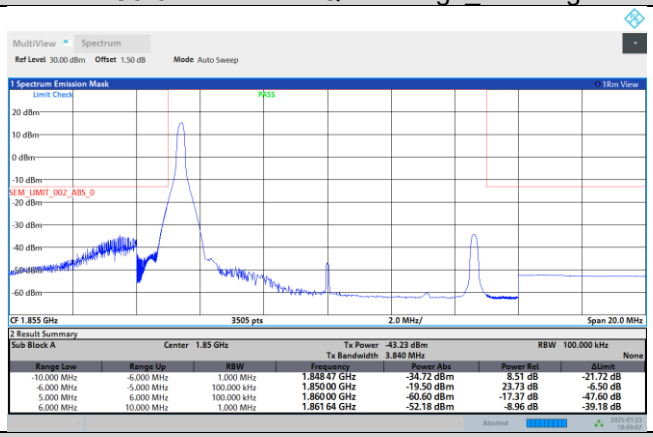
N2-PC3-5MHz-L-DFT-QPSK-Outer_Full



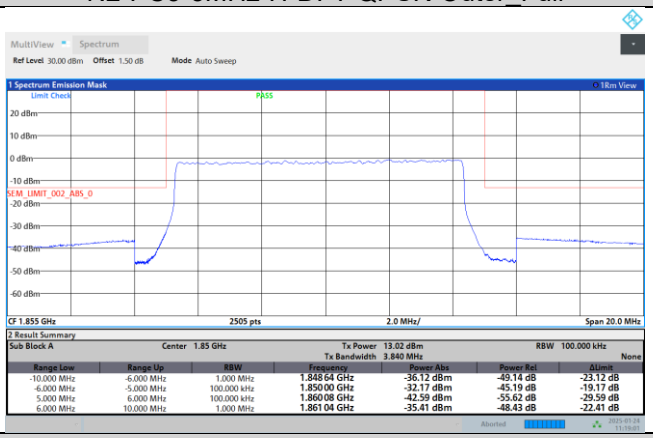
N2-PC3-5MHz-H-DFT-QPSK-Edge_1RB-Right



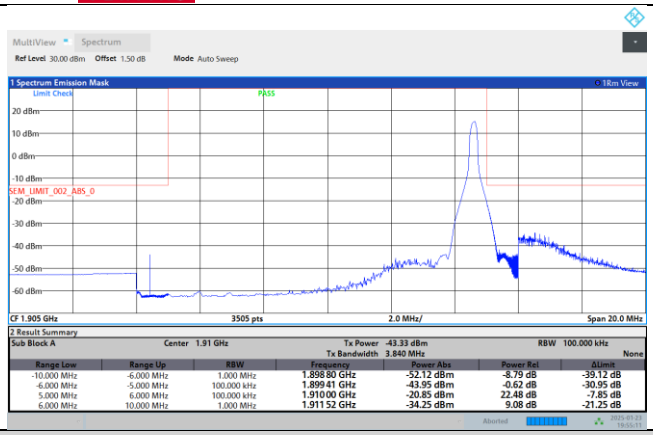
N2-PC3-5MHz-H-DFT-QPSK-Outer_Full



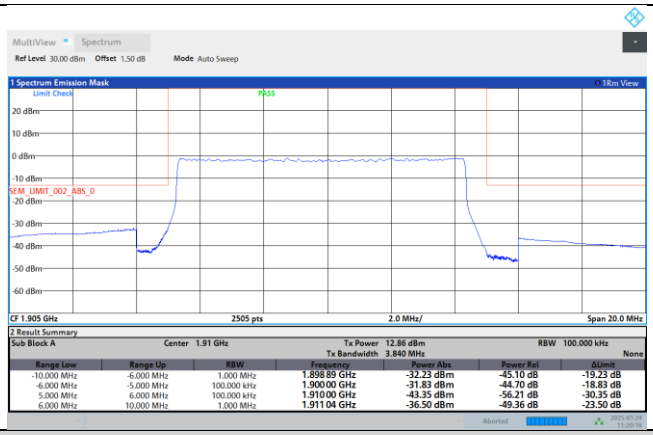
N2-PC3-10MHz-L-DFT-QPSK-Edge_1RB_Left



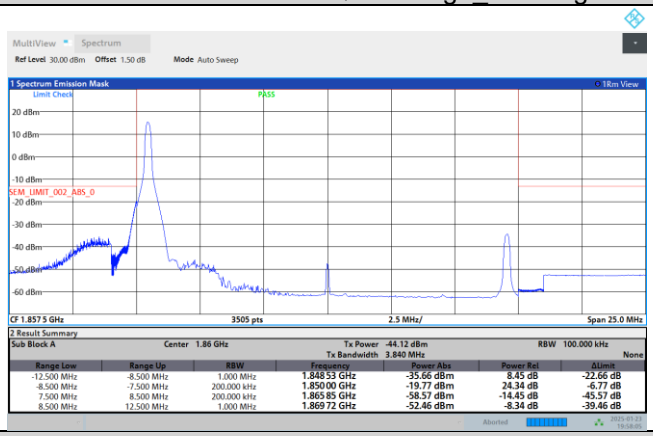
N2-PC3-10MHz-L-DFT-QPSK-Outer_Full



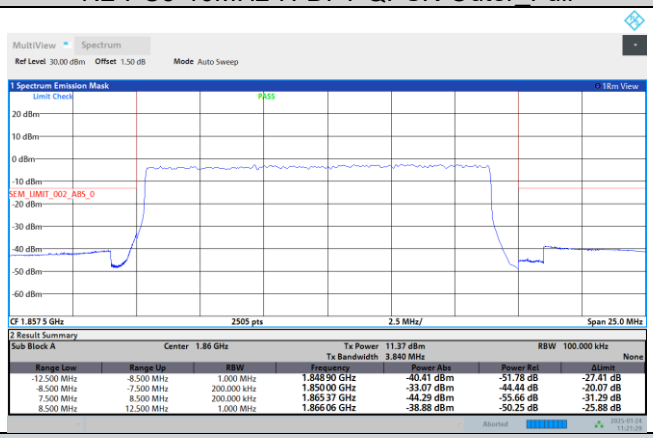
N2-PC3-10MHz-H-DFT-QPSK-Edge_1RB-Right



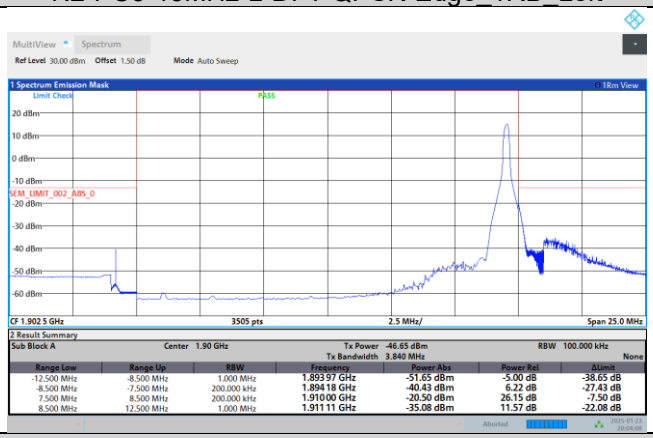
N2-PC3-10MHz-H-DFT-QPSK-Outer_Full



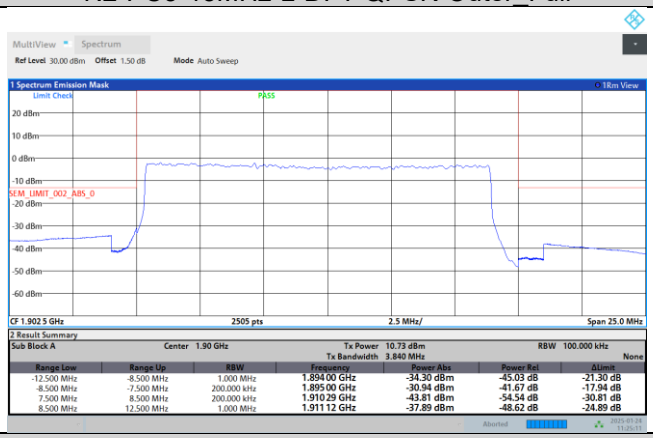
N2-PC3-15MHz-L-DFT-QPSK-Edge_1RB_Left



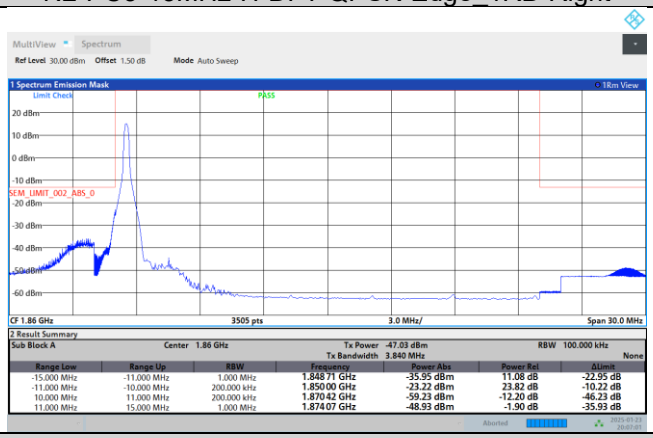
N2-PC3-15MHz-L-DFT-QPSK-Outer_Full



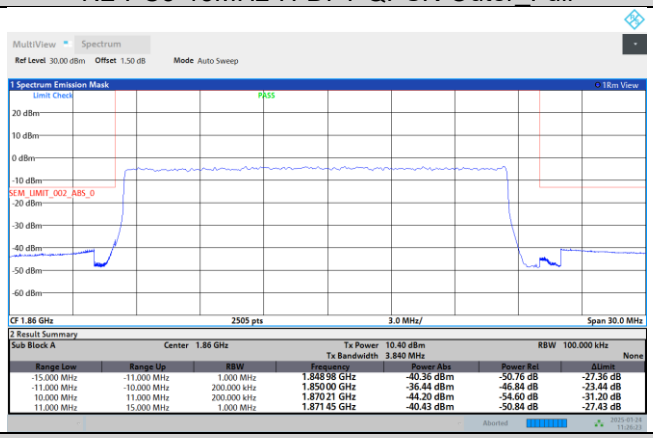
N2-PC3-15MHz-H-DFT-QPSK-Edge_1RB-Right



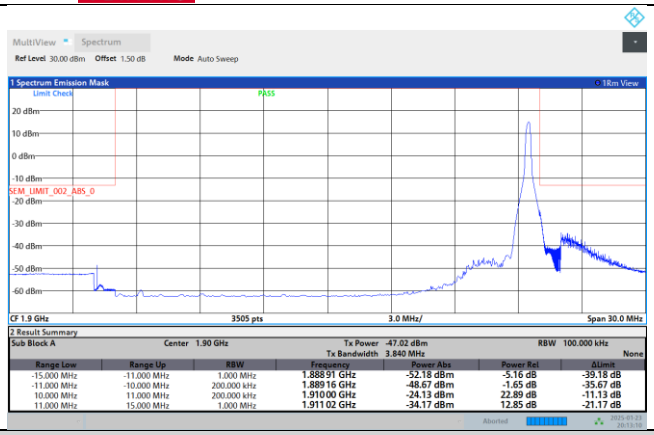
N2-PC3-15MHz-H-DFT-QPSK-Outer_Full



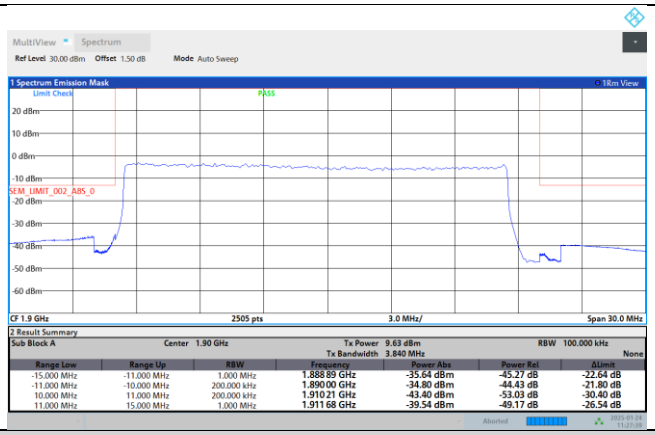
N2-PC3-20MHz-L-DFT-QPSK-Edge_1RB_Left



N2-PC3-20MHz-L-DFT-QPSK-Outer_Full



N2-PC3-20MHz-H-DFT-QPSK-Edge_1RB-Right



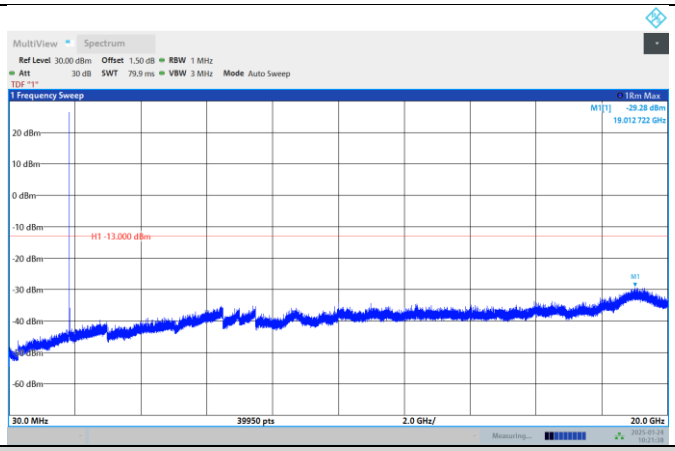
N2-PC3-20MHz-H-DFT-QPSK-Outer_Full

CONDUCTED SPURIOUS EMISSION

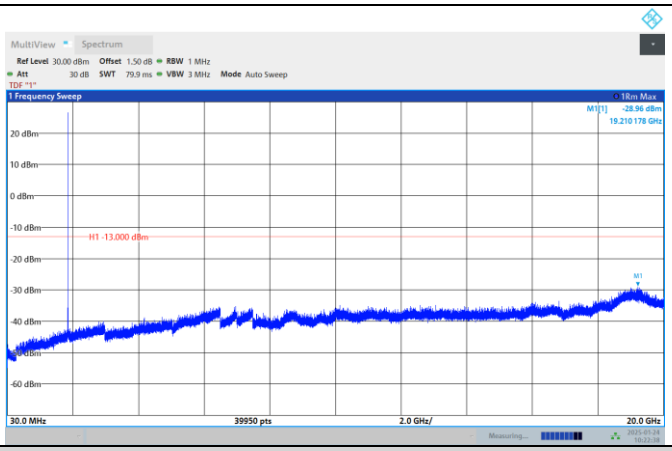
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N2	SCS	5MHz	DFT-QPSK	L	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	5MHz	DFT-QPSK	M	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	5MHz	DFT-QPSK	H	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	10MHz	DFT-QPSK	L	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	10MHz	DFT-QPSK	M	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	10MHz	DFT-QPSK	H	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	15MHz	DFT-QPSK	L	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	15MHz	DFT-QPSK	M	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	15MHz	DFT-QPSK	H	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	20MHz	DFT-QPSK	L	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	20MHz	DFT-QPSK	M	Edge_1RB_Left	30M~20000M	See Graph	PASS
N2	SCS	20MHz	DFT-QPSK	H	Edge_1RB_Left	30M~20000M	See Graph	PASS

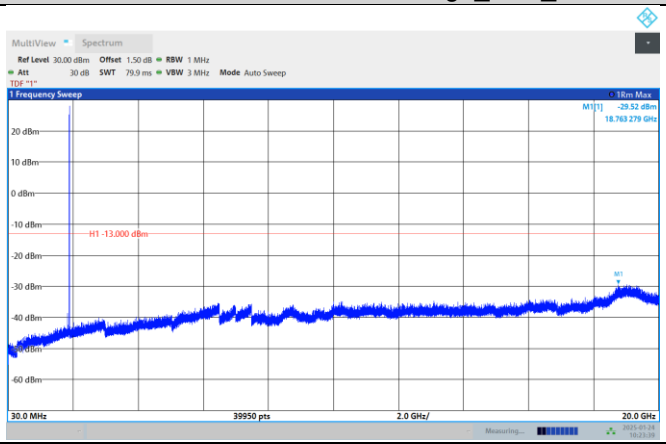
Test Graphs



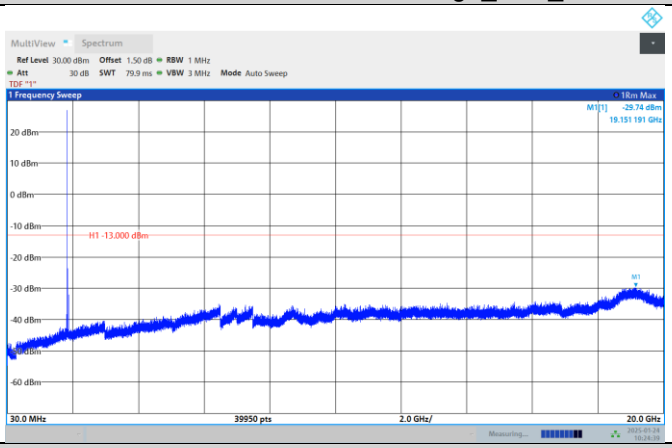
N2-PC3-5MHz-L-DFT-QPSK-Edge_1RB_Left



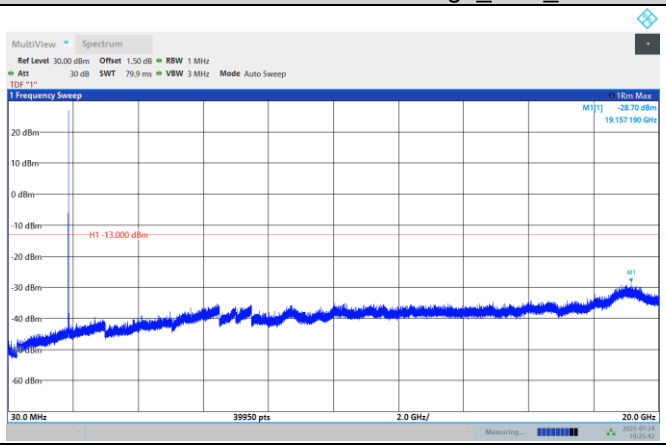
N2-PC3-5MHz-M-DFT-QPSK-Edge_1RB_Left



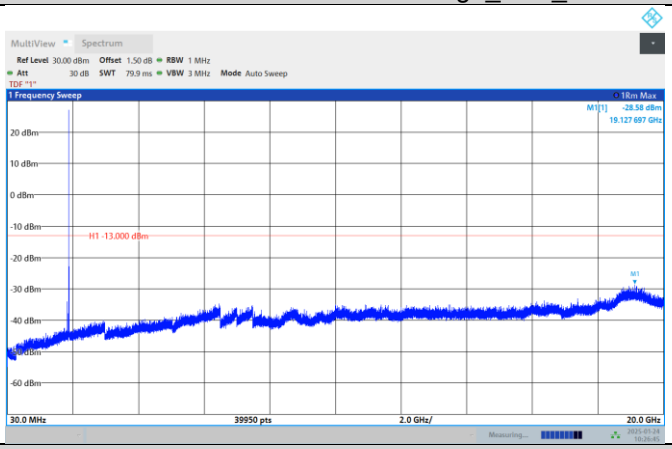
N2-PC3-5MHz-H-DFT-QPSK-Edge_1RB_Left



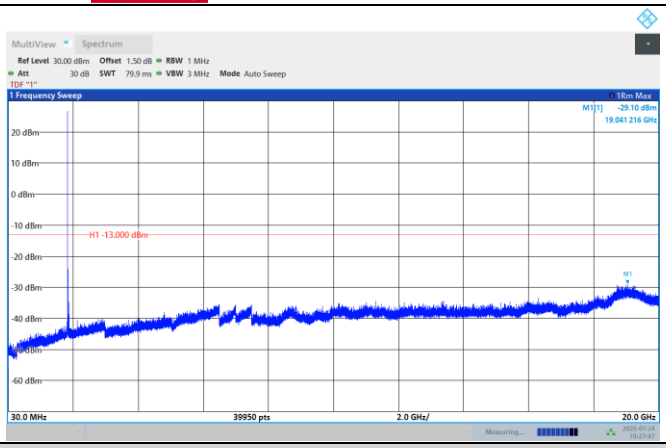
N2-PC3-10MHz-L-DFT-QPSK-Edge_1RB_Left



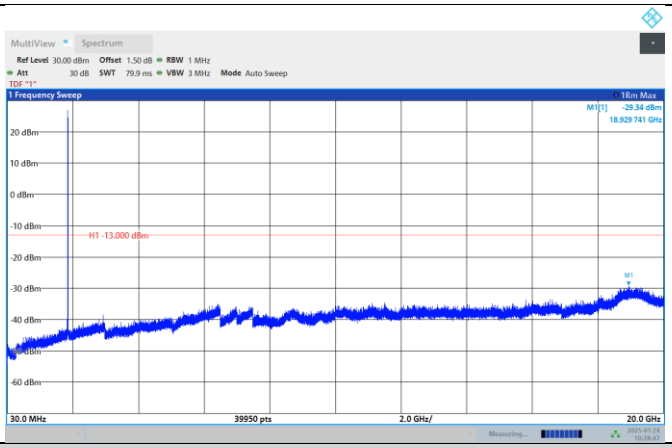
N2-PC3-10MHz-M-DFT-QPSK-Edge_1RB_Left



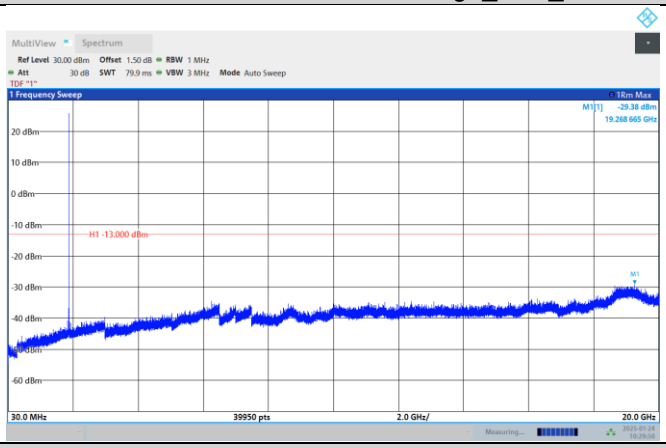
N2-PC3-10MHz-H-DFT-QPSK-Edge_1RB_Left



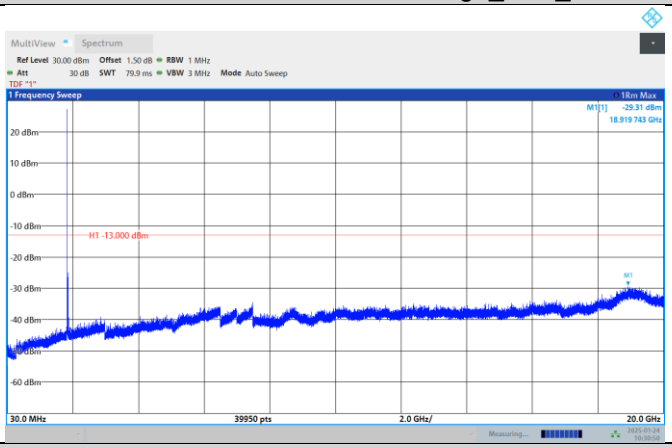
N2-PC3-15MHz-L-DFT-QPSK-Edge_1RB_Left



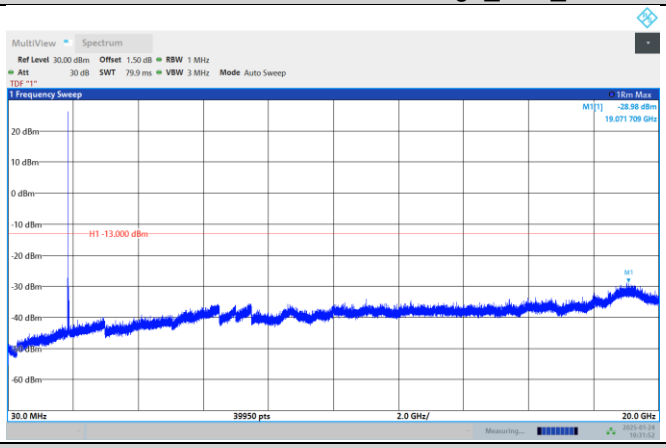
N2-PC3-15MHz-M-DFT-QPSK-Edge_1RB_Left



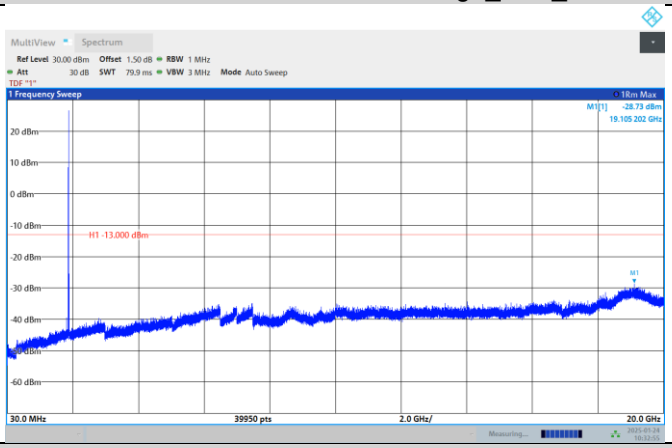
N2-PC3-15MHz-H-DFT-QPSK-Edge_1RB_Left



N2-PC3-20MHz-L-DFT-QPSK-Edge_1RB_Left



N2-PC3-20MHz-M-DFT-QPSK-Edge_1RB_Left



N2-PC3-20MHz-H-DFT-QPSK-Edge_1RB_Left

FREQUENCY STABILITY

Test Result

Voltage											
Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N2	15	20MHz	DFT-QPSK	L	Outer_Full	VL	NT	-3.20	-0.0017	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	VN	NT	-8.09	-0.0043	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	VH	NT	4.48	0.0024	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	VL	NT	11.93	0.0063	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	VN	NT	-13.87	-0.0074	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	VH	NT	32.48	0.0173	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	VL	NT	-25.92	-0.0136	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	VN	NT	33.69	0.0177	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	VH	NT	-30.86	-0.0162	±2.5	PASS

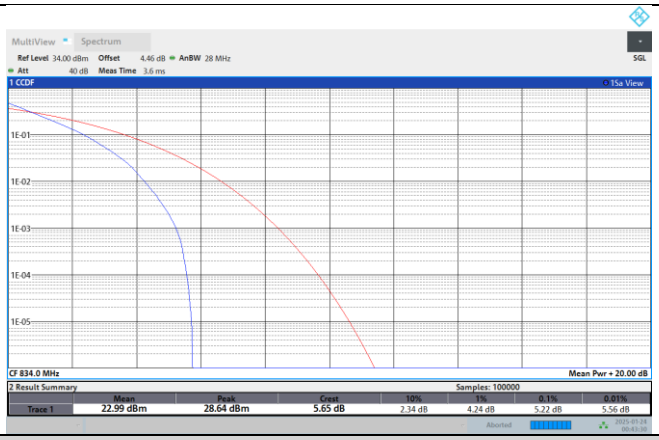
Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm	Verdict
N2	15	20MHz	DFT-QPSK	L	Outer_Full	NV	-30	31.60	-0.0031	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	NV	-20	15.32	-0.0106	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	NV	-10	-27.39	0.0043	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	NV	0	-22.30	0.0122	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	NV	10	0.55	0.0179	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	NV	20	20.75	-0.0316	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	NV	30	-26.84	0.0029	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	NV	40	29.77	0.0080	±2.5	PASS
N2	15	20MHz	DFT-QPSK	L	Outer_Full	NV	50	12.3	0.0044	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	NV	-30	15.42	0.0094	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	NV	-20	-28.79	-0.0197	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	NV	-10	29.59	-0.0081	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	NV	0	2.3	-0.0068	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	NV	10	-10.69	-0.0257	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	NV	20	17.06	-0.0078	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	NV	30	31.60	-0.0031	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	NV	40	15.32	-0.0106	±2.5	PASS
N2	15	20MHz	DFT-QPSK	M	Outer_Full	NV	50	-27.39	0.0043	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	NV	-30	-22.30	0.0122	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	NV	-20	0.55	0.0179	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	NV	-10	20.75	-0.0316	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	NV	0	-26.84	0.0029	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	NV	10	29.77	0.0080	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	NV	20	12.30	0.0044	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	NV	30	15.42	0.0094	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	NV	40	-28.79	-0.0197	±2.5	PASS
N2	15	20MHz	DFT-QPSK	H	Outer_Full	NV	50	29.59	-0.0081	±2.5	PASS

PEAK-TO-AVERAGE RATIO(CCDF)

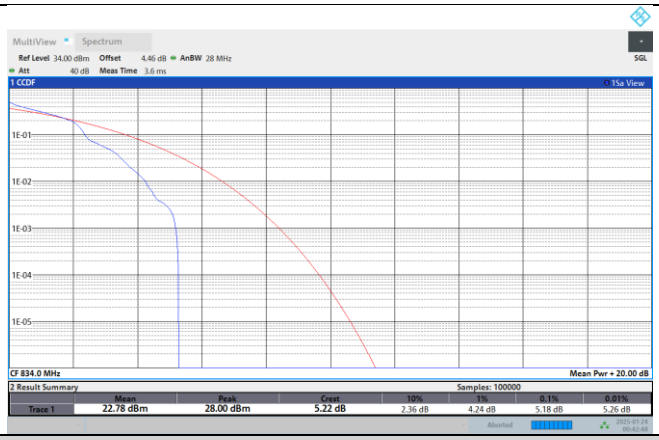
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N5	15	20MHz	DFT-QPSK	L	Outer_Full	5.22	13	PASS
N5	15	20MHz	DFT-QPSK	L	Edge_1RB_Left	5.18	13	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	5.14	13	PASS
N5	15	20MHz	DFT-QPSK	M	Edge_1RB_Left	5.20	13	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	5.00	13	PASS
N5	15	20MHz	DFT-QPSK	H	Edge_1RB_Left	5.58	13	PASS

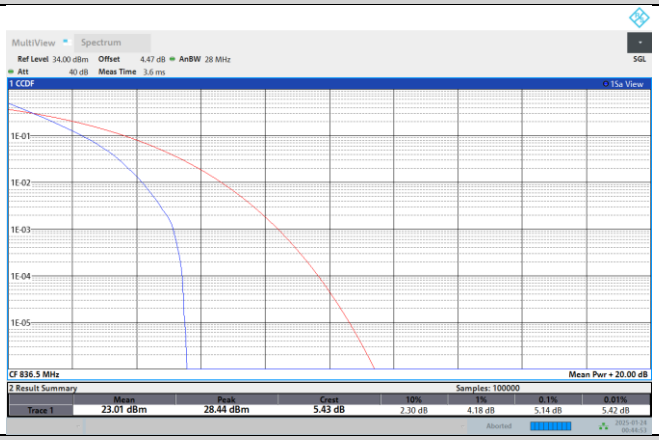
Test Graphs



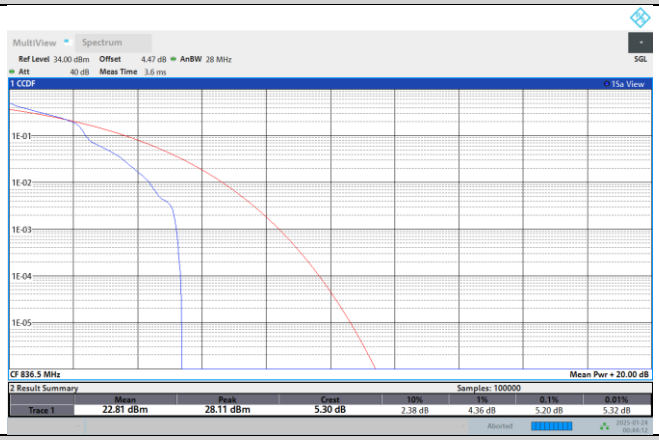
N5-PC3-20MHz-L-DFT-QPSK-Outer_Full



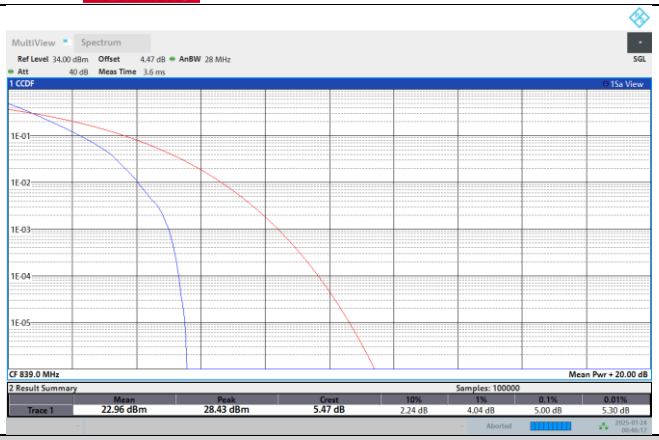
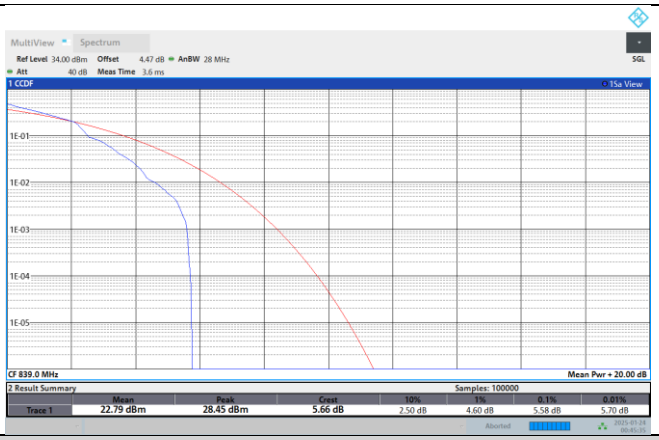
N5-PC3-20MHz-L-DFT-QPSK-Edge_1RB_Left



N5-PC3-20MHz-M-DFT-QPSK-Outer_Full



N5-PC3-20MHz-M-DFT-QPSK-Edge_1RB_Left

	
N5-PC3-20MHz-H-DFT-QPSK-Outer_Full	N5-PC3-20MHz-H-DFT-QPSK-Edge_1RB_Left

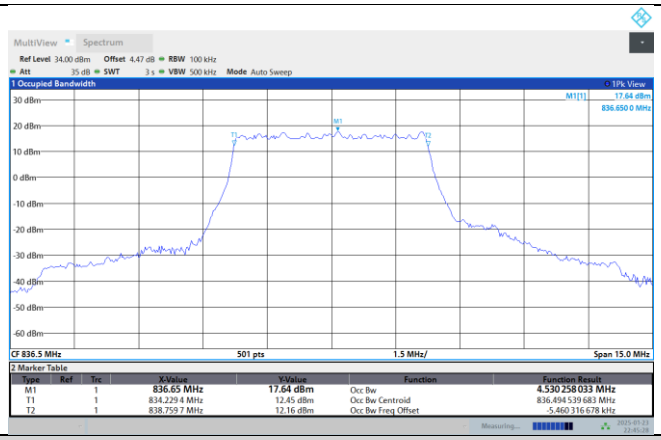
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

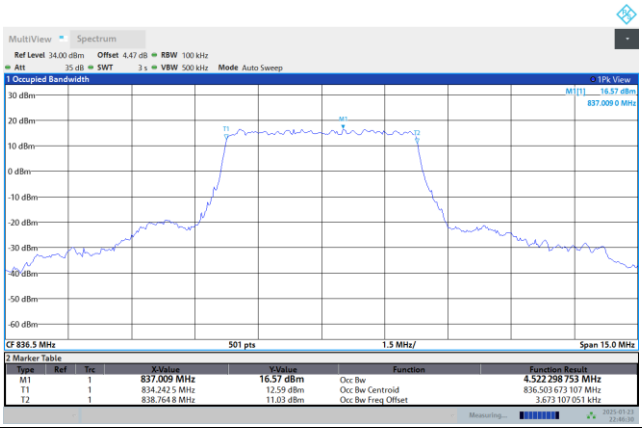
Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N5	15	5MHz	DFT-PI2BPSK	M	Outer_Full	4.530	5.16	PASS
N5	15	5MHz	DFT-QPSK	M	Outer_Full	4.522	5.11	PASS
N5	15	5MHz	DFT-16QAM	M	Outer_Full	4.545	5.25	PASS
N5	15	5MHz	DFT-64QAM	M	Outer_Full	4.519	5.18	PASS
N5	15	5MHz	DFT-256QAM	M	Outer_Full	4.516	5.16	PASS
N5	15	10MHz	DFT-PI2BPSK	M	Outer_Full	9.010	9.92	PASS
N5	15	10MHz	DFT-QPSK	M	Outer_Full	9.001	9.92	PASS
N5	15	10MHz	DFT-16QAM	M	Outer_Full	8.988	9.95	PASS
N5	15	10MHz	DFT-64QAM	M	Outer_Full	9.035	9.92	PASS
N5	15	10MHz	DFT-256QAM	M	Outer_Full	9.004	9.83	PASS
N5	15	15MHz	DFT-PI2BPSK	M	Outer_Full	13.488	14.61	PASS
N5	15	15MHz	DFT-QPSK	M	Outer_Full	13.501	14.61	PASS
N5	15	15MHz	DFT-16QAM	M	Outer_Full	13.546	14.61	PASS
N5	15	15MHz	DFT-64QAM	M	Outer_Full	13.534	14.70	PASS
N5	15	15MHz	DFT-256QAM	M	Outer_Full	13.542	14.56	PASS
N5	15	20MHz	DFT-PI2BPSK	M	Outer_Full	18.007	19.48	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	18.072	19.60	PASS
N5	15	20MHz	DFT-16QAM	M	Outer_Full	18.029	19.48	PASS
N5	15	20MHz	DFT-64QAM	M	Outer_Full	18.059	19.42	PASS
N5	15	20MHz	DFT-256QAM	M	Outer_Full	17.947	19.36	PASS

Test Graphs

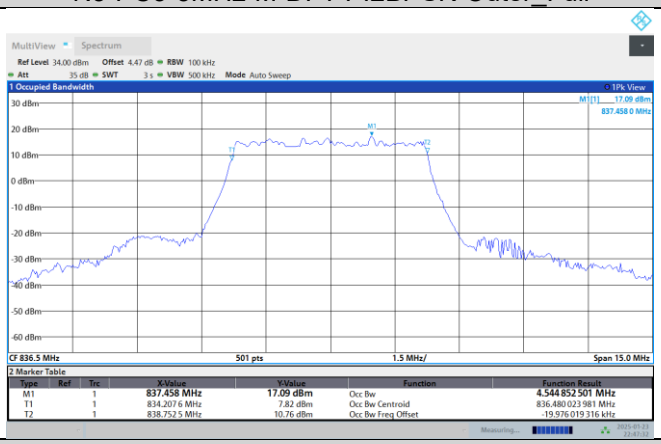
Occupied Bandwidth



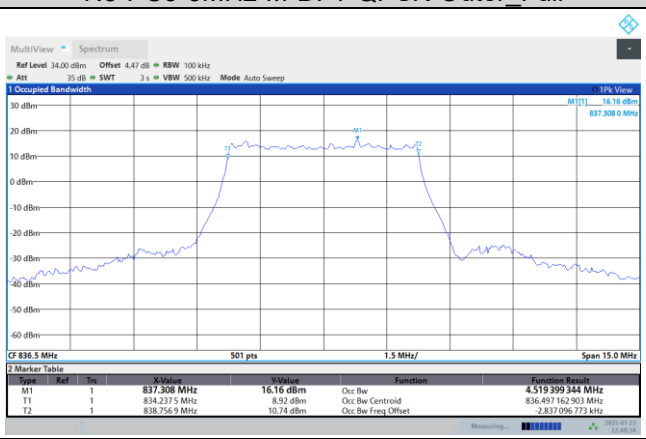
N5-PC3-5MHz-M-DFT-PI2BPSK-Outer_Full



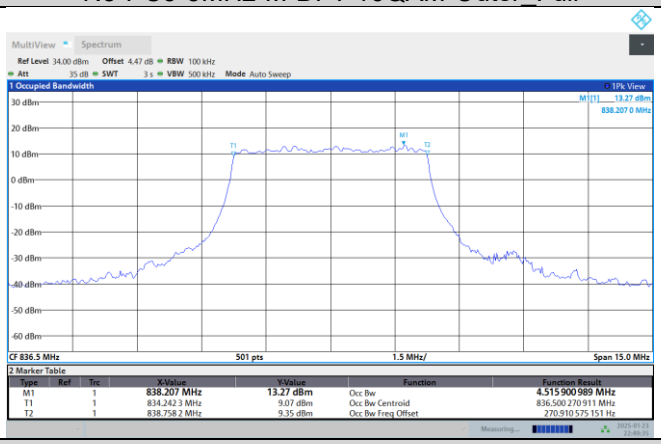
N5-PC3-5MHz-M-DFT-QPSK-Outer_Full



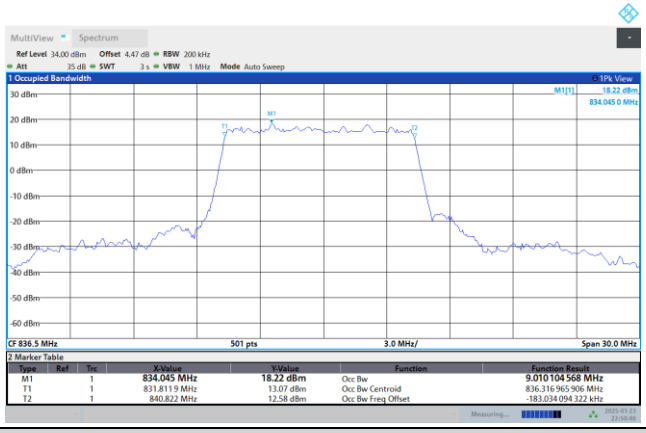
N5-PC3-5MHz-M-DFT-16QAM-Outer_Full



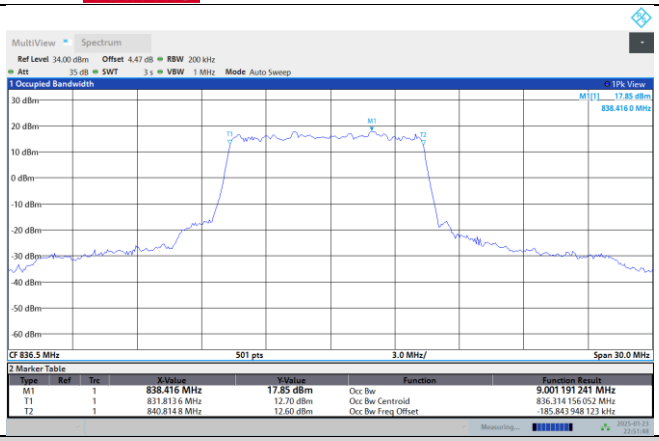
N5-PC3-5MHz-M-DFT-64QAM-Outer_Full



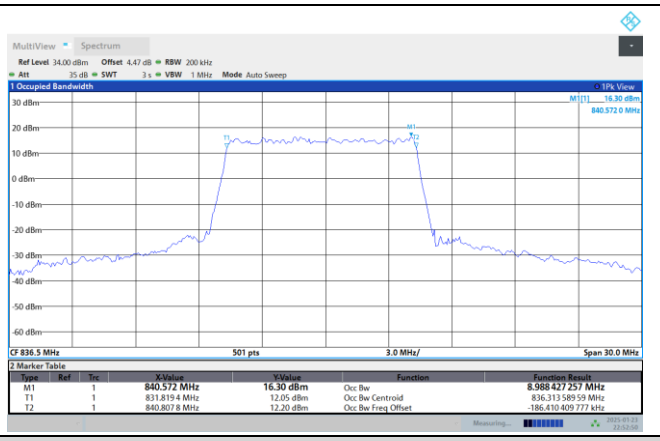
N5-PC3-5MHz-M-DFT-256QAM-Outer_Full



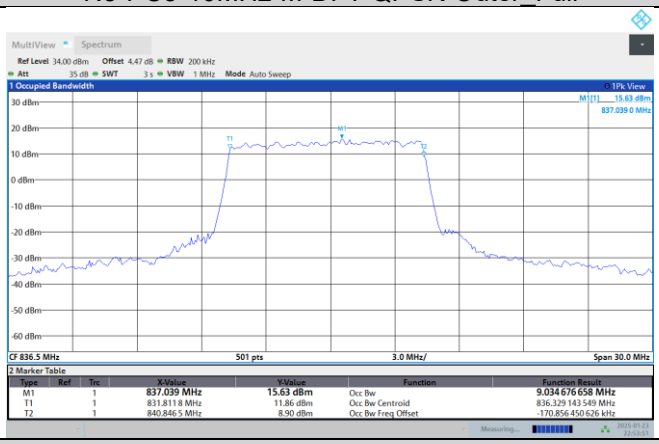
N5-PC3-10MHz-M-DFT-PI2BPSK-Outer_Full



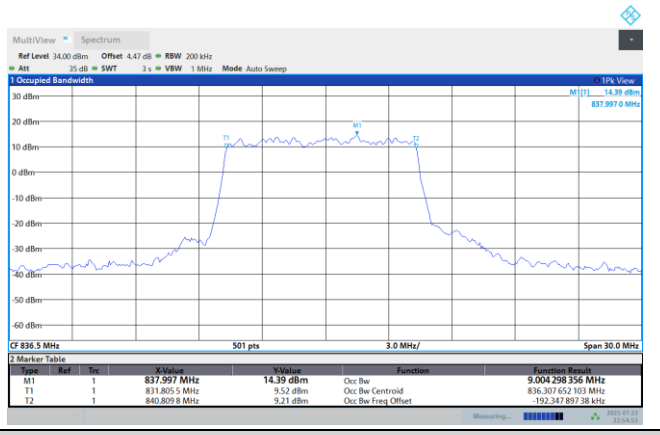
N5-PC3-10MHz-M-DFT-QPSK-Outer_Full



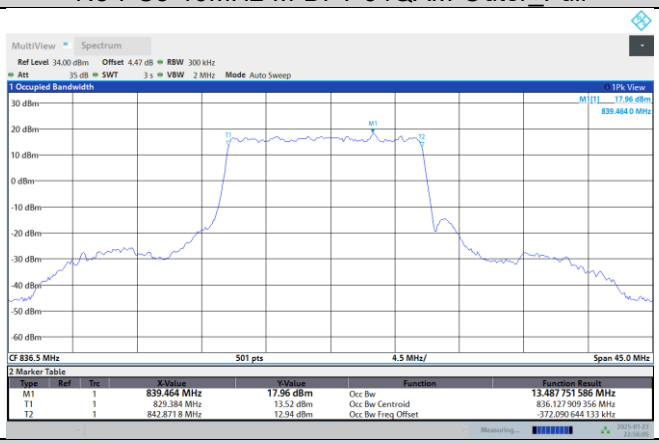
N5-PC3-10MHz-M-DFT-16QAM-Outer_Full



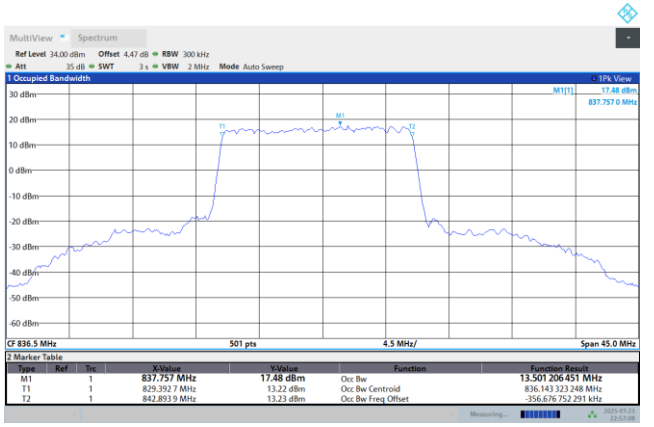
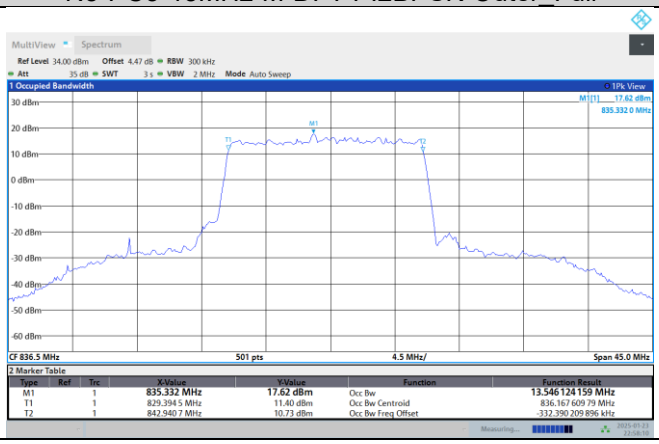
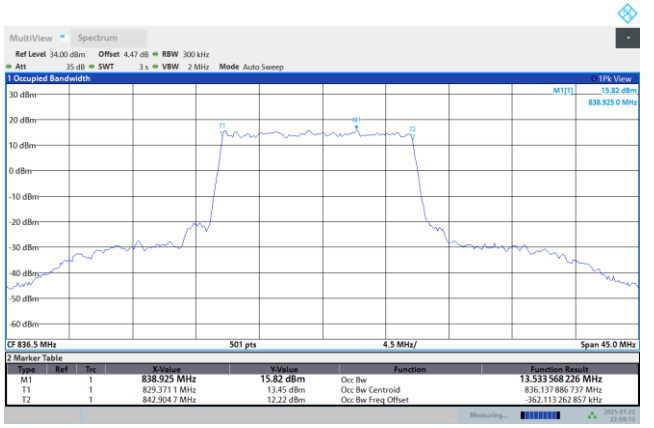
N5-PC3-10MHz-M-DFT-64QAM-Outer_Full



N5-PC3-10MHz-M-DFT-256QAM-Outer_Full



N5-PC3-15MHz-M-DFT-PI2BPSK-Outer_Full



N5-PC3-15MHz-M-DFT-QPSK-Outer_Full