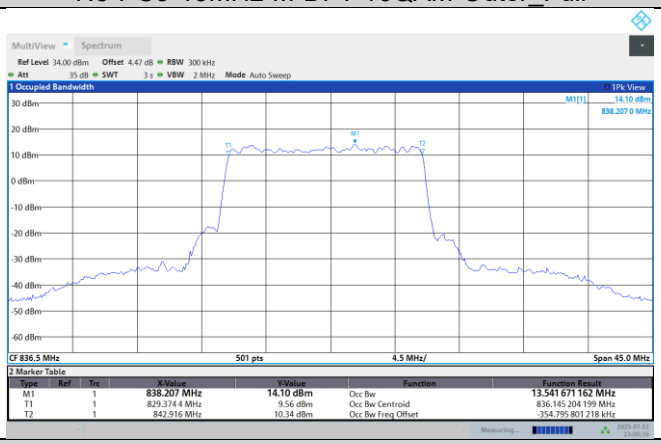
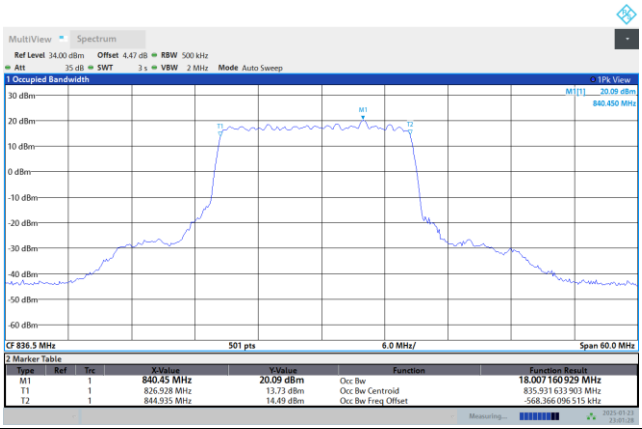
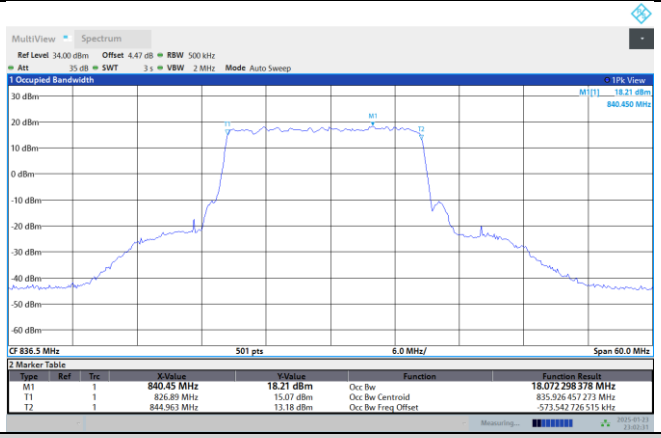
N5-PC3-15MHz-M-DFT-16QAM-Outer_Full



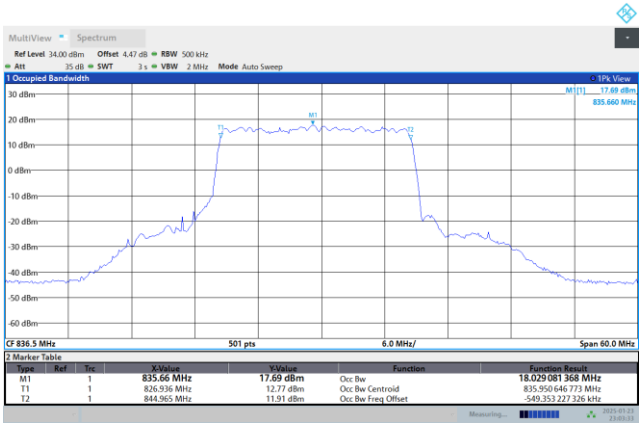
N5-PC3-15MHz-M-DFT-64QAM-Outer_Ful



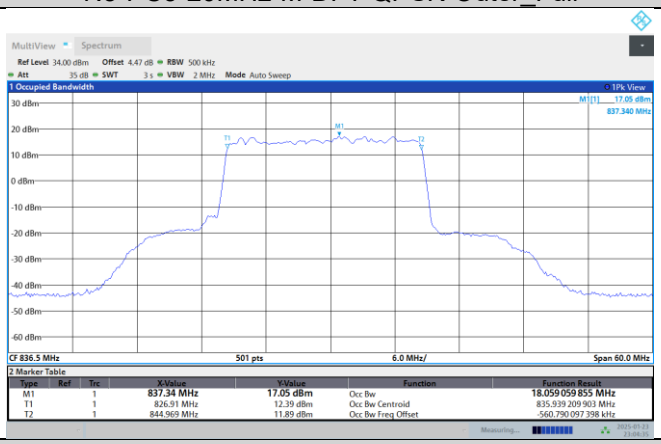
N5-PC3-15MHz-M-DFT-256QAM-Outer_Full



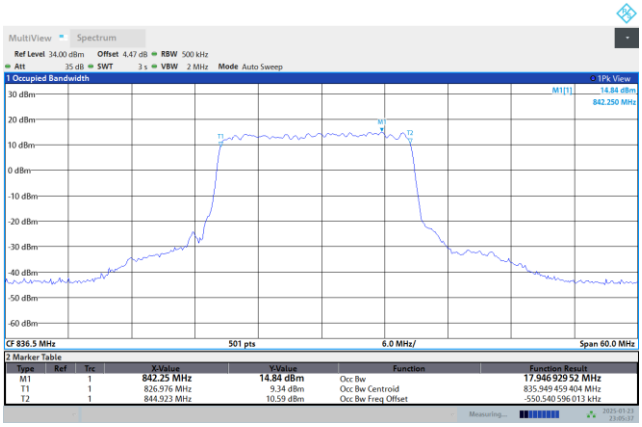
N5-PC3-20MHz-M-DFT-PI2BPSK-Outer_Full



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



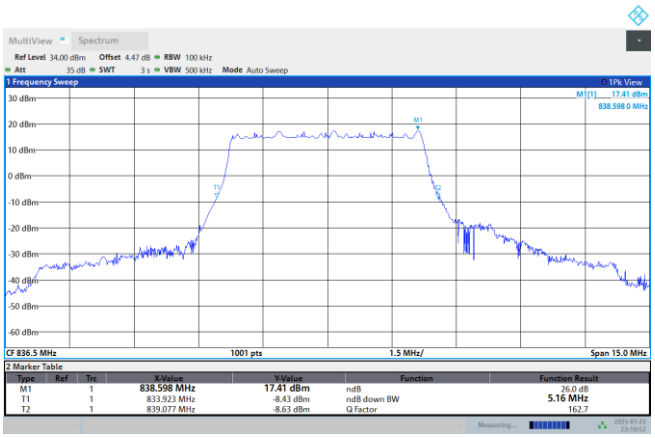
N5-PC3-20MHz-M-DFT-16QAM-Outer_Full



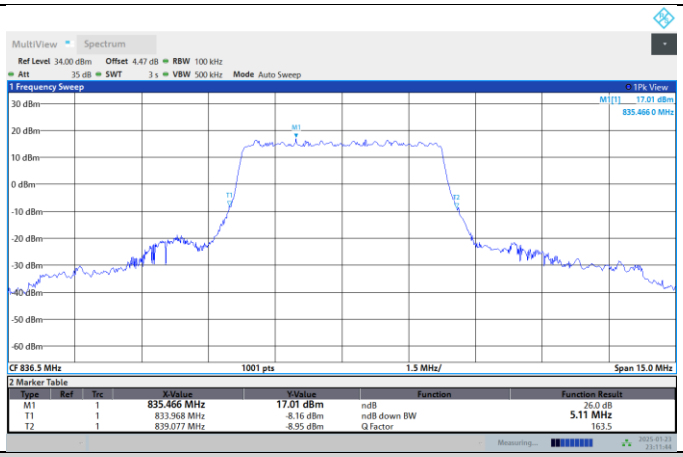
N5-PC3-20MHz-M-DFT-64QAM-Outer_Full

N5-PC3-20MHz-M-DFT-256QAM-Outer_Full

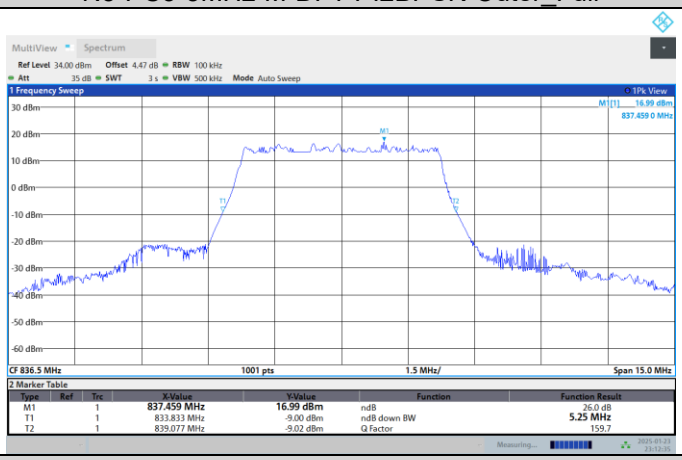
26dB Bandwidth



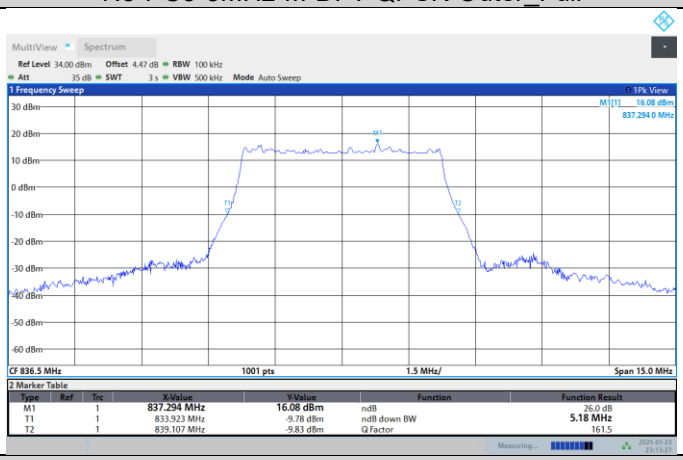
N5-PC3-5MHz-M-DFT-PI2BPSK-Outer_Full



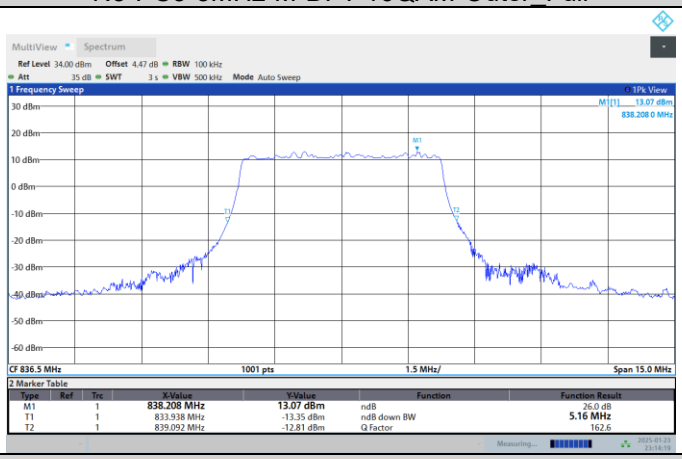
N5-PC3-5MHz-M-DFT-QPSK-Outer_Full



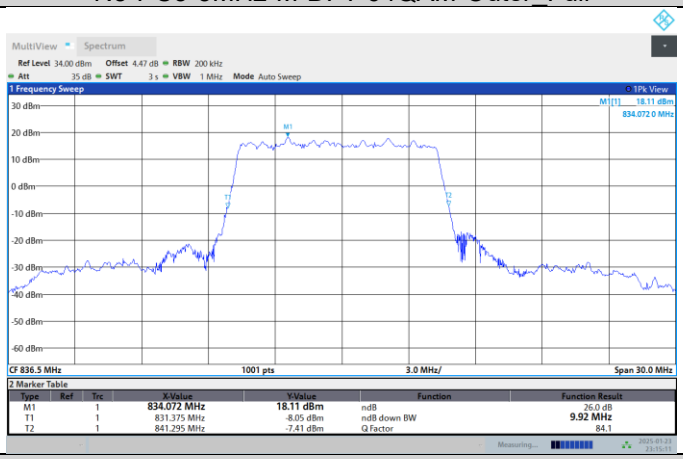
N5-PC3-5MHz-M-DFT-16QAM-Outer_Full



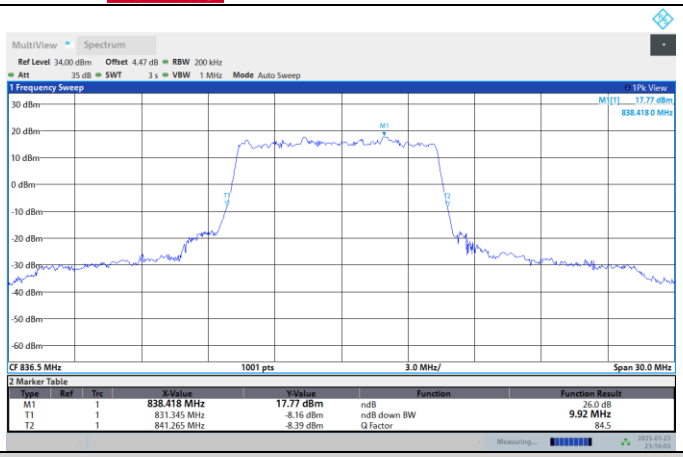
N5-PC3-5MHz-M-DFT-64QAM-Outer_Full



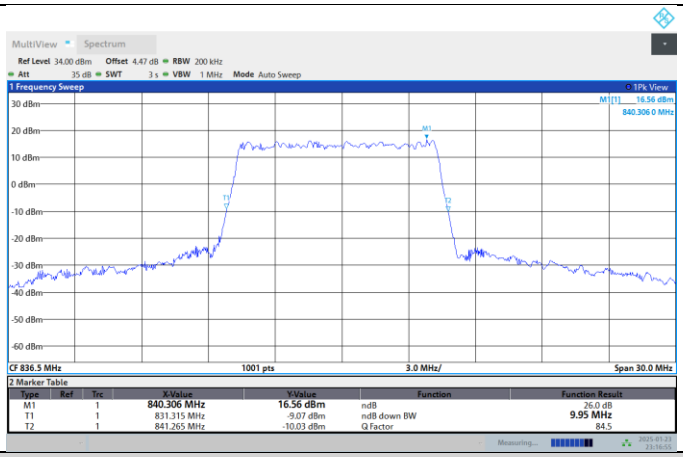
N5-PC3-5MHz-M-DFT-256QAM-Outer_Full



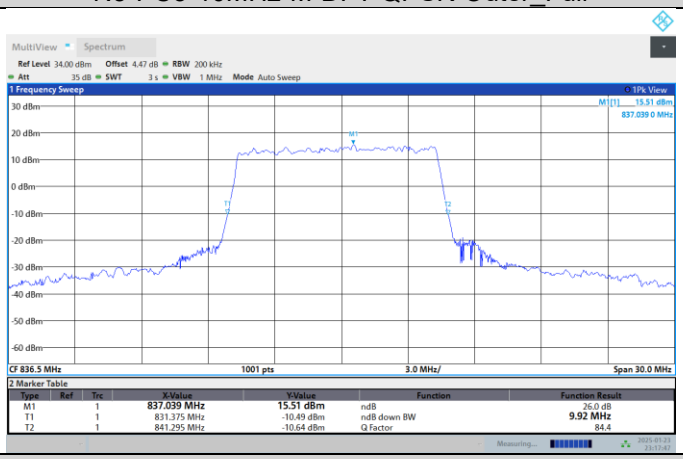
N5-PC3-10MHz-M-DFT-PI2BPSK-Outer_Full



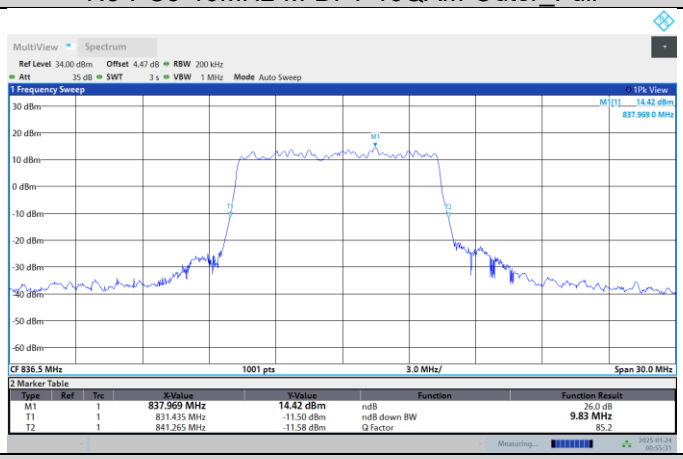
N5-PC3-10MHz-M-DFT-QPSK-Outer_Full



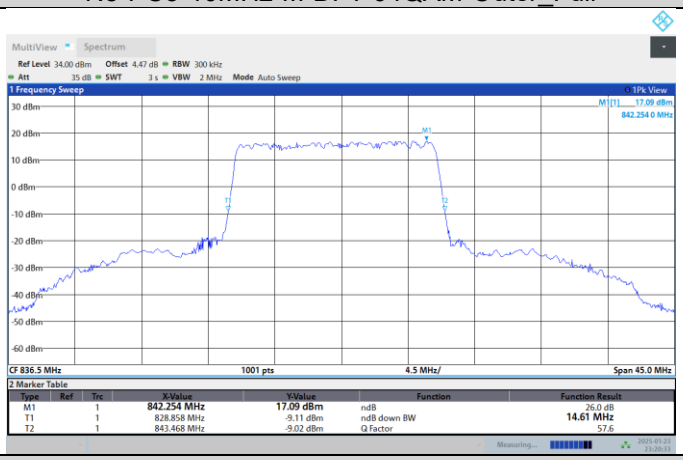
N5-PC3-10MHz-M-DFT-16QAM-Outer_Full



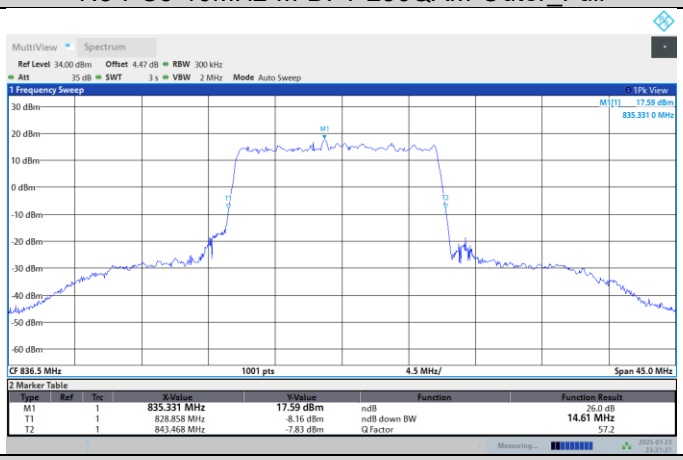
N5-PC3-10MHz-M-DFT-64QAM-Outer_Full



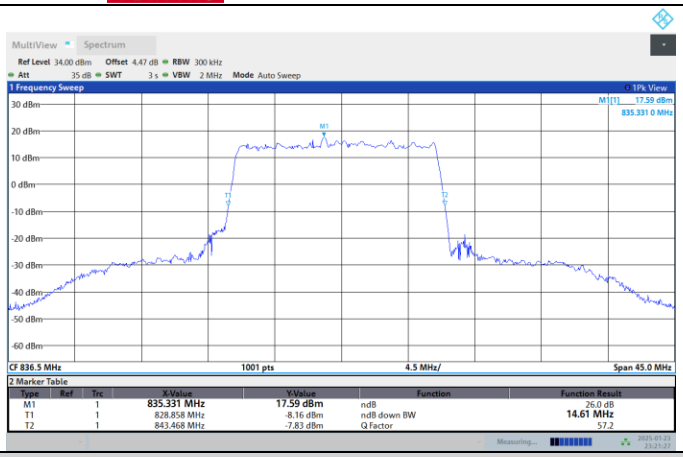
N5-PC3-10MHz-M-DFT-256QAM-Outer_Full



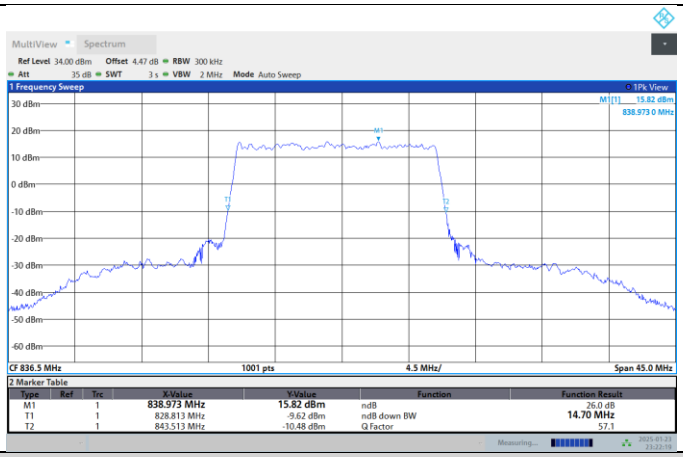
N5-PC3-15MHz-M-DFT-PI2BPSK-Outer_Full



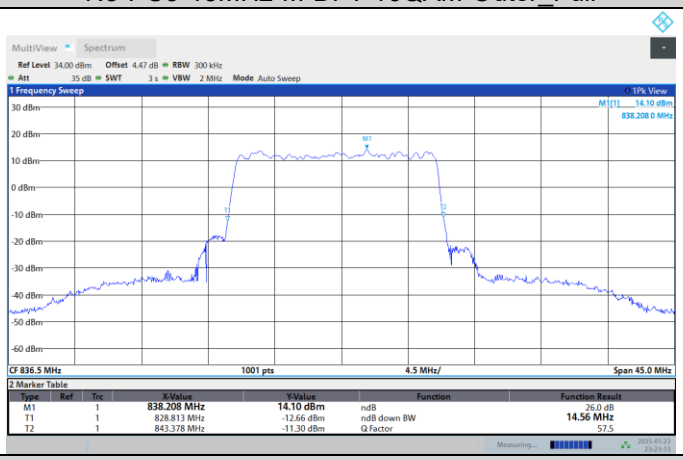
N5-PC3-15MHz-M-DFT-QPSK-Outer_Full



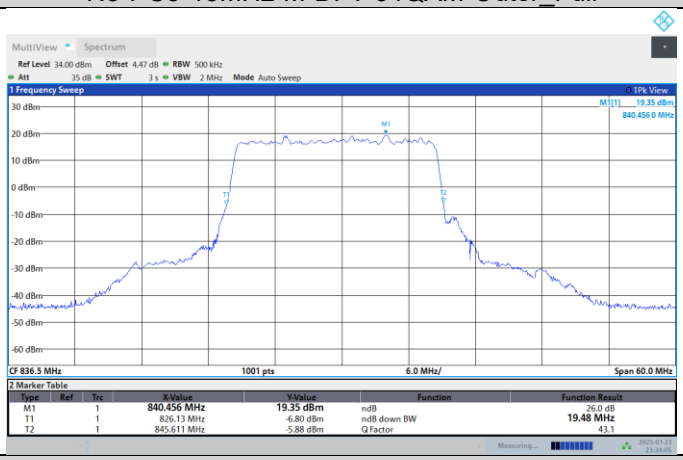
N5-PC3-15MHz-M-DFT-16QAM-Outer_Full



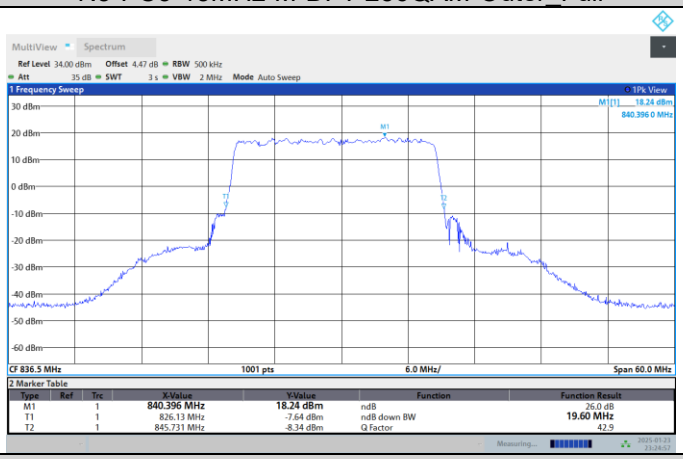
N5-PC3-15MHz-M-DFT-64QAM-Outer_Full



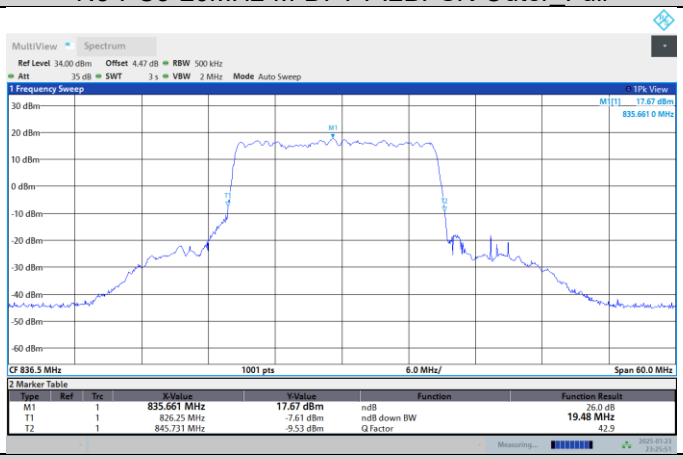
N5-PC3-15MHz-M-DFT-256QAM-Outer_Full



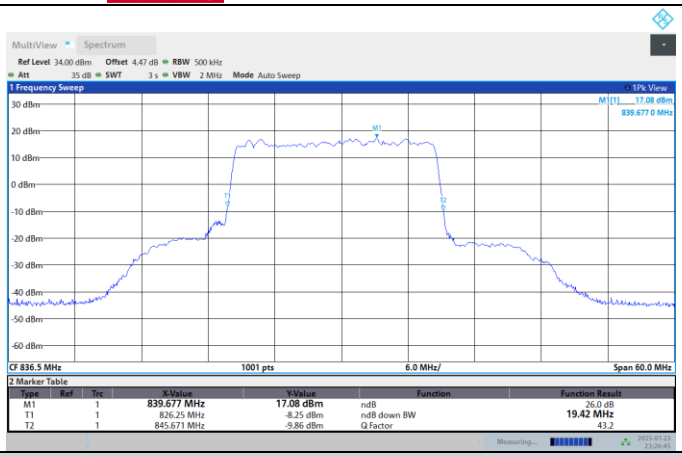
N5-PC3-20MHz-M-DFT-PI2BPSK-Outer_Full



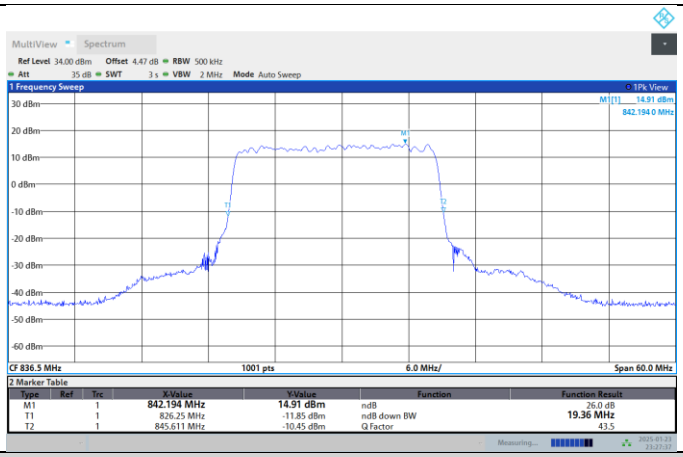
N5-PC3-20MHz-M-DFT-QPSK-Outer_Full



N5-PC3-20MHz-M-DFT-16QAM-Outer_Full



N5-PC3-20MHz-M-DFT-64QAM-Outer_Full



N5-PC3-20MHz-M-DFT-256QAM-Outer_Full

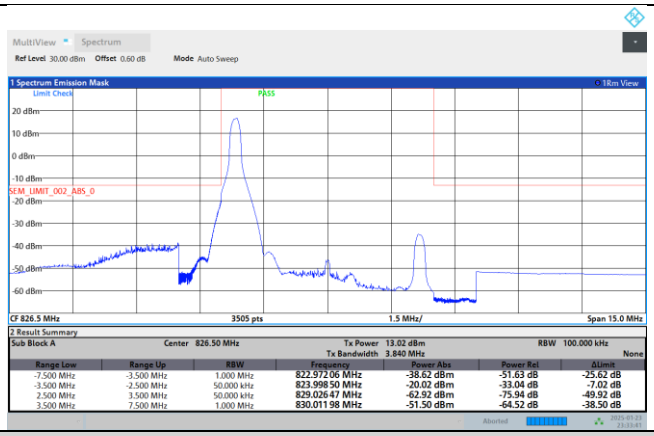
BAND EDGE

Test Result

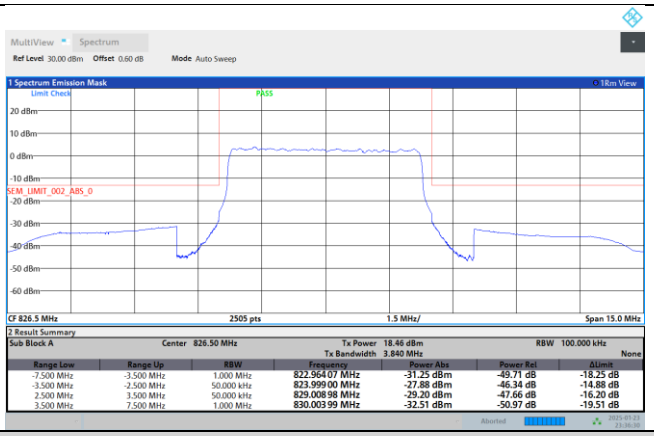
NOTE: Pre-scan QPSK,16QAM,64QAM, 256QAM four modulations modes, only the worst mode and data reflected in the report.

Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N5	15	5MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N5	15	5MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N5	15	5MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N5	15	5MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N5	15	10MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N5	15	10MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N5	15	10MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N5	15	10MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N5	15	15MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N5	15	15MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N5	15	15MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N5	15	15MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N5	15	20MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N5	15	20MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS

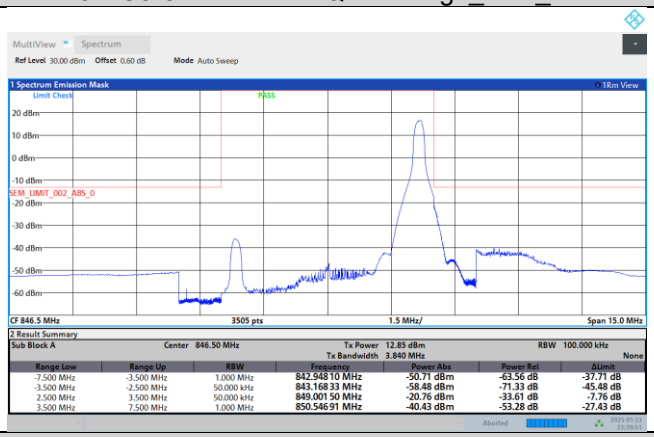
Test Graphs



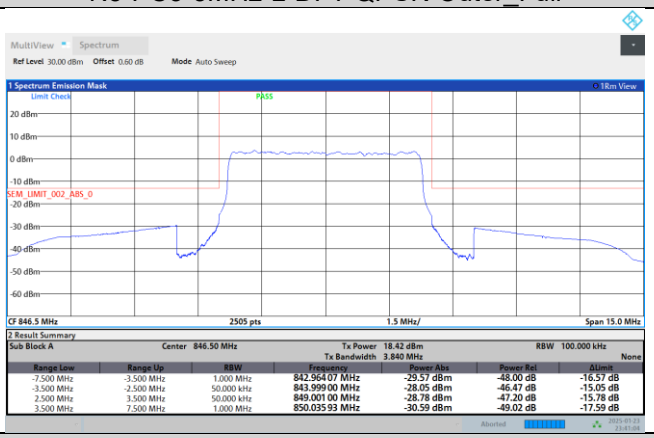
N5-PC3-5MHz-L-DFT-QPSK-Edge_1RB_Left



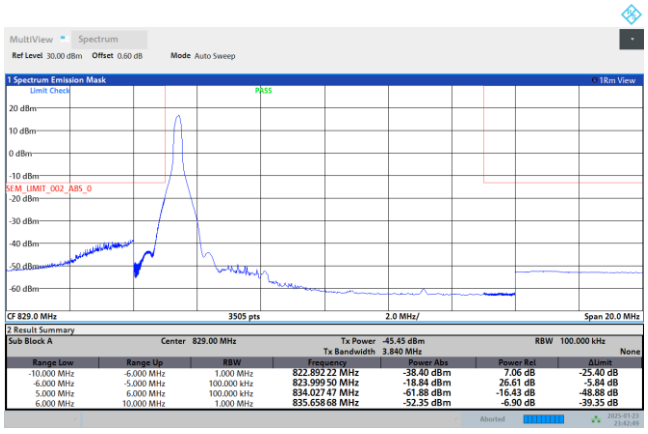
N5-PC3-5MHz-L-DFT-QPSK-Outer_Full



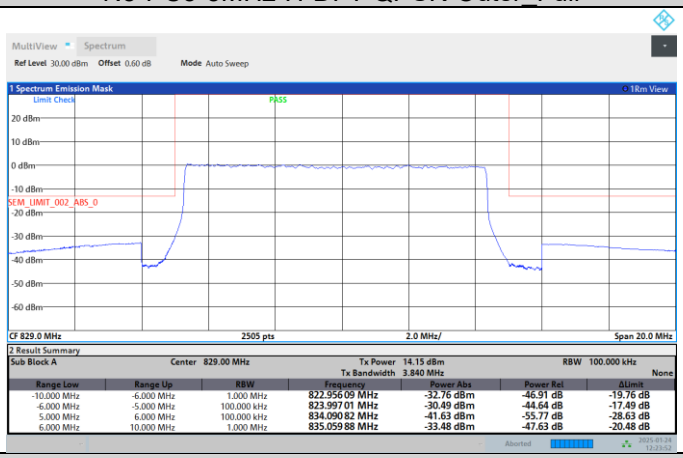
N5-PC3-5MHz-H-DFT-QPSK-Edge_1RB-Right



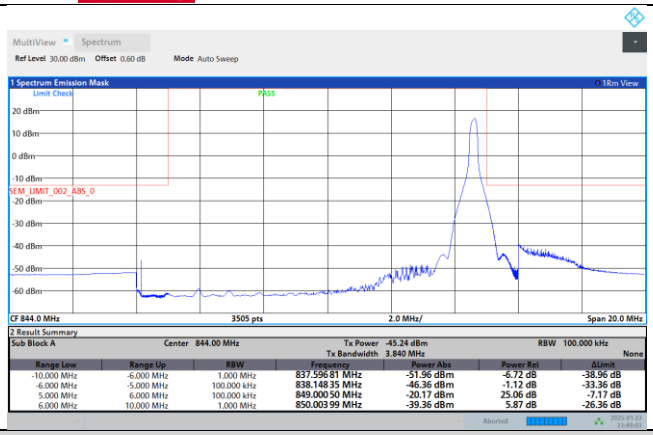
N5-PC3-5MHz-H-DFT-QPSK-Outer_Full



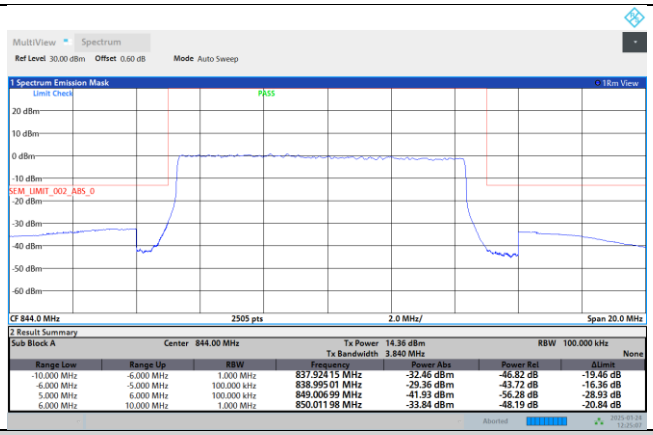
N5-PC3-10MHz-L-DFT-QPSK-Edge_1RB_Left



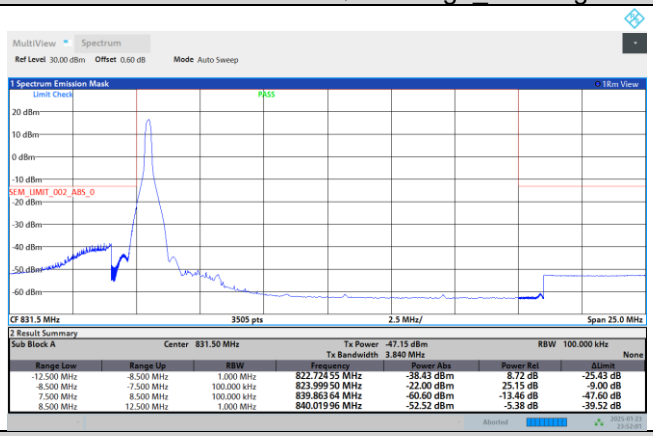
N5-PC3-10MHz-L-DFT-QPSK-Outer_Full



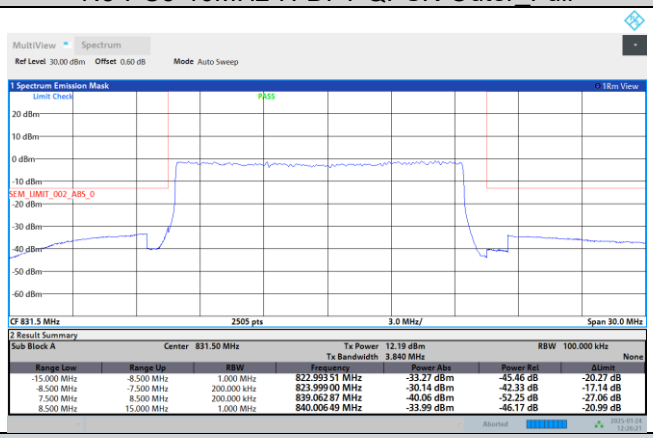
N5-PC3-10MHz-H-DFT-QPSK-Edge_1RB-Right



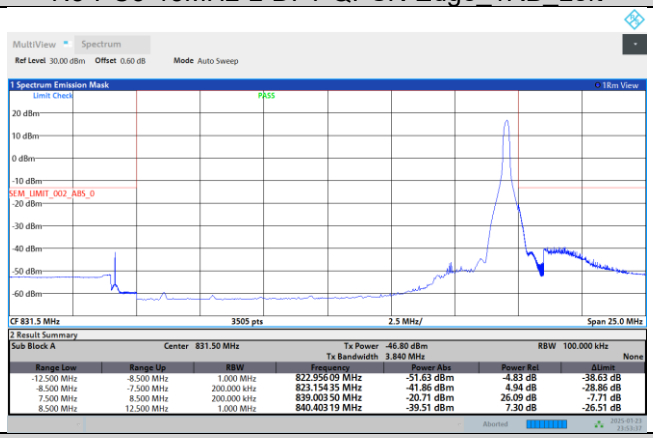
N5-PC3-10MHz-H-DFT-QPSK-Outer_Full



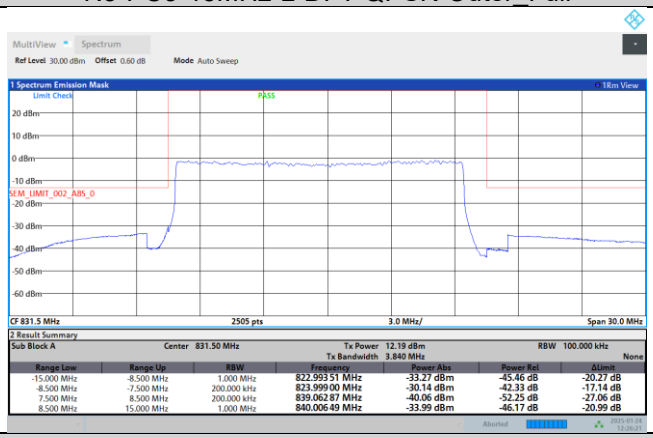
N5-PC3-15MHz-L-DFT-QPSK-Edge_1RB_Left



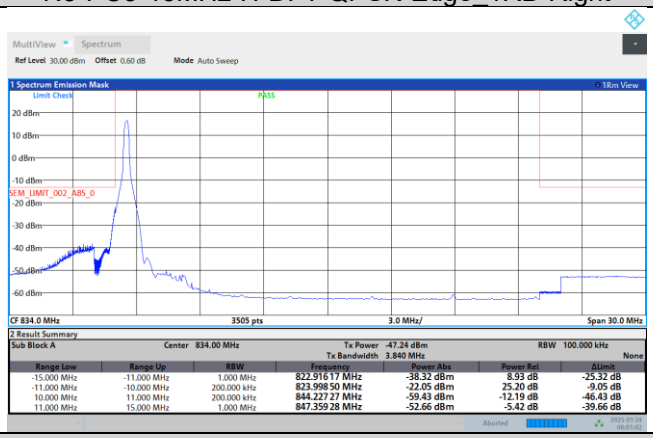
N5-PC3-15MHz-L-DFT-QPSK-Outer_Full



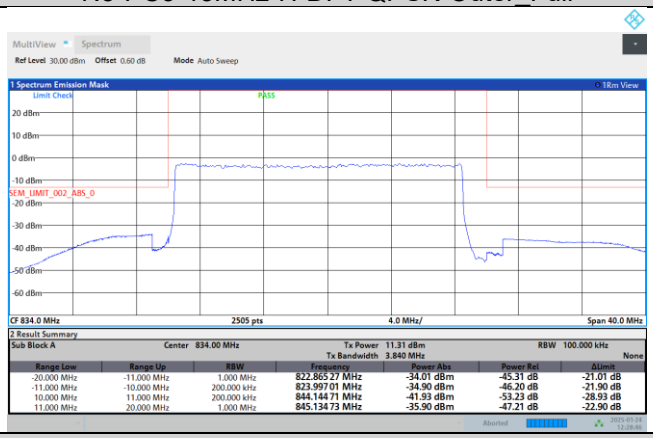
N5-PC3-15MHz-H-DFT-QPSK-Edge_1RB-Right



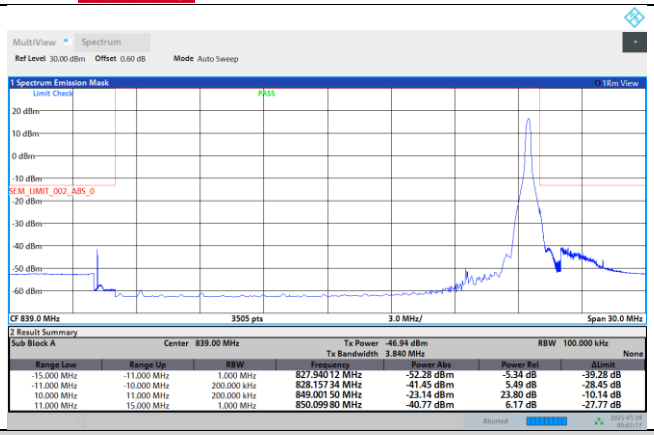
N5-PC3-15MHz-H-DFT-QPSK-Outer_Full



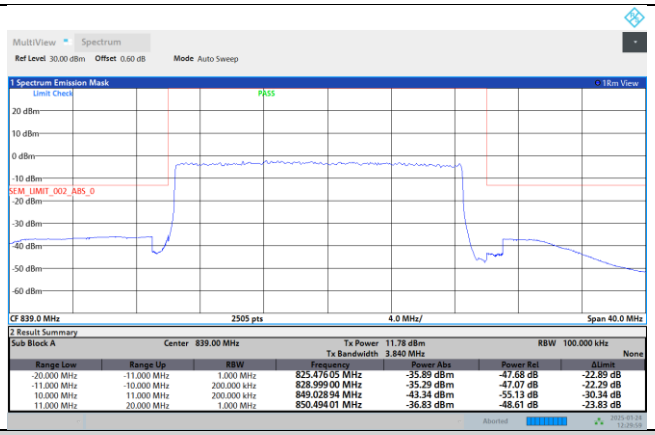
N5-PC3-20MHz-L-DFT-QPSK-Edge_1RB_Left



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



N5-PC3-20MHz-H-DFT-QPSK-Edge_1RB-Right



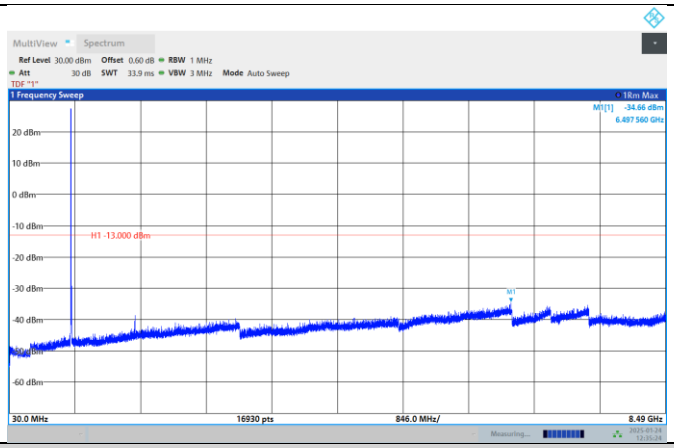
N5-PC3-20MHz-H-DFT-QPSK-Outer_Full

CONDUCTED SPURIOUS EMISSION

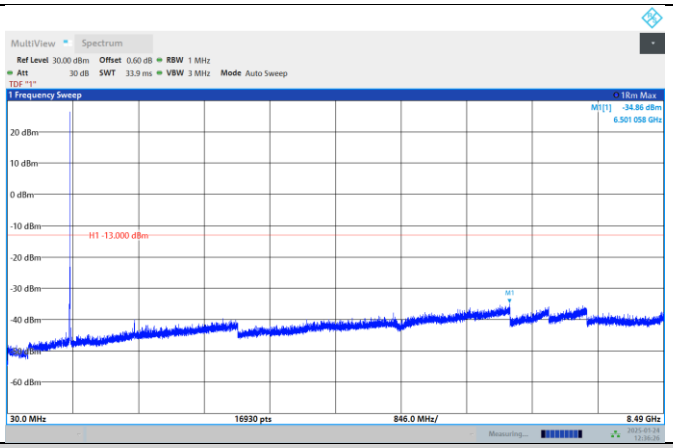
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N5	SCS	5MHz	DFT-QPSK	L	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	5MHz	DFT-QPSK	M	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	5MHz	DFT-QPSK	H	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	10MHz	DFT-QPSK	L	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	10MHz	DFT-QPSK	M	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	10MHz	DFT-QPSK	H	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	15MHz	DFT-QPSK	L	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	15MHz	DFT-QPSK	M	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	15MHz	DFT-QPSK	H	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	20MHz	DFT-QPSK	L	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	20MHz	DFT-QPSK	M	Edge_1RB_Left	30M~8490M	See Graph	PASS
N5	SCS	20MHz	DFT-QPSK	H	Edge_1RB_Left	30M~8490M	See Graph	PASS

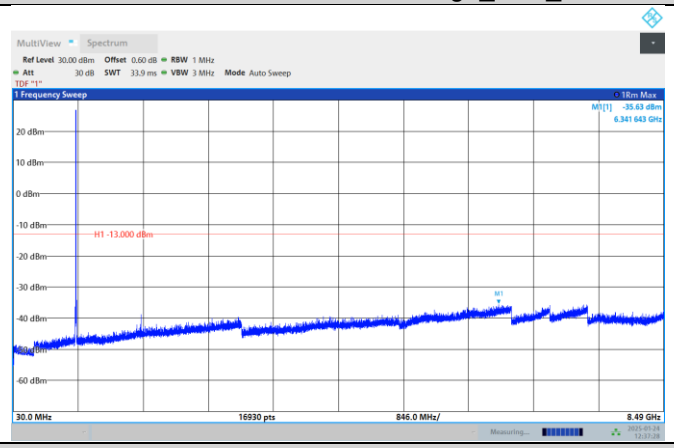
Test Graphs



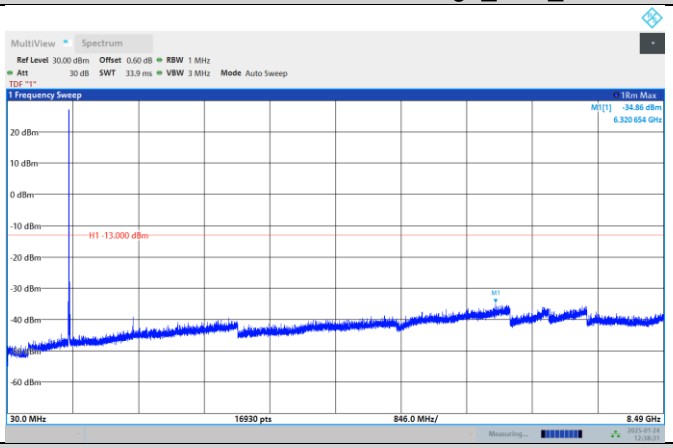
N5-PC3-5MHz-L-DFT-QPSK-Edge_1RB_Left



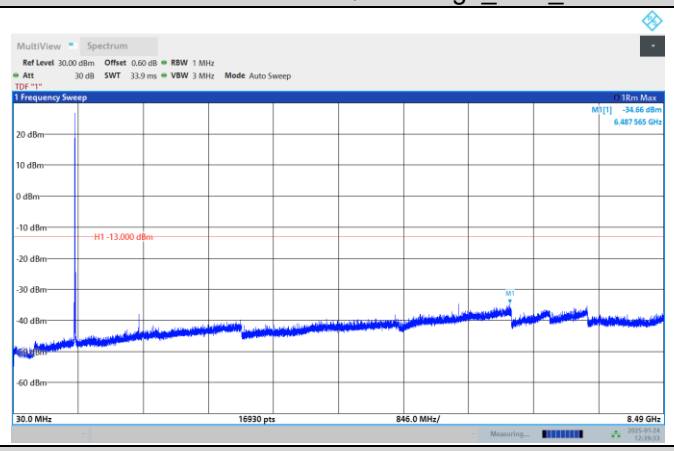
N5-PC3-5MHz-M-DFT-QPSK-Edge_1RB_Left



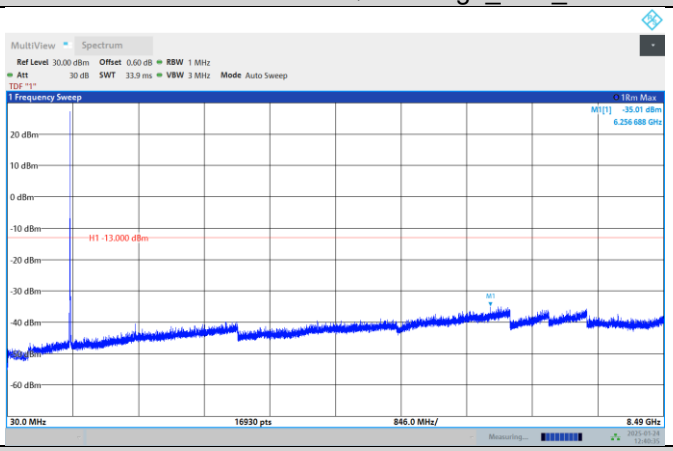
N5-PC3-5MHz-H-DFT-QPSK-Edge_1RB_Left



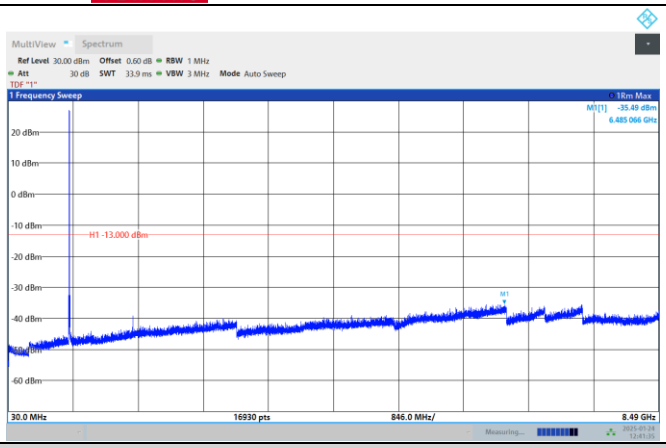
N5-PC3-10MHz-L-DFT-QPSK-Edge_1RB_Left



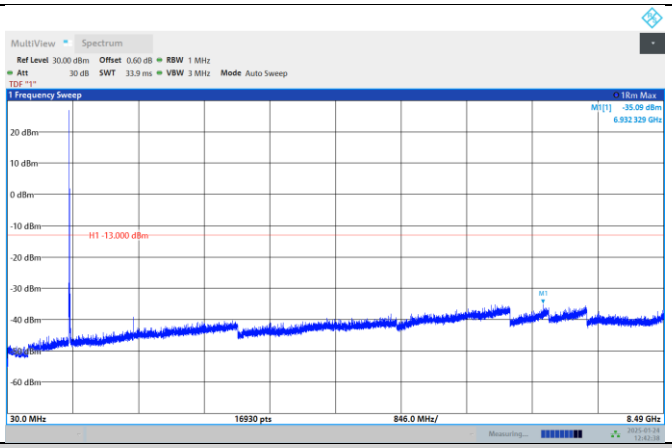
N5-PC3-10MHz-M-DFT-QPSK-Edge_1RB_Left



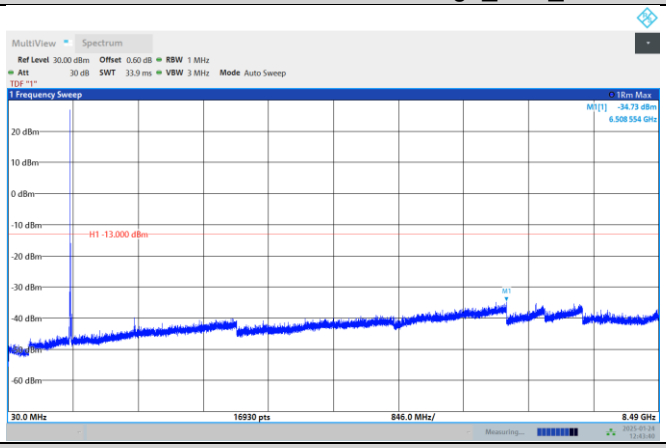
N5-PC3-10MHz-H-DFT-QPSK-Edge_1RB_Left



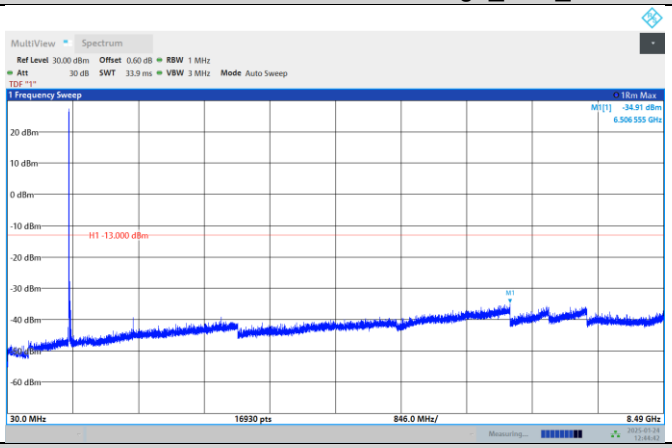
N5-PC3-15MHz-L-DFT-QPSK-Edge_1RB_Left



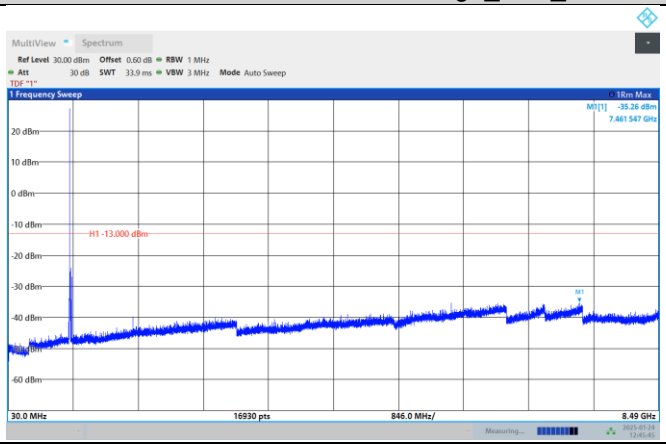
N5-PC3-15MHz-M-DFT-QPSK-Edge_1RB_Left



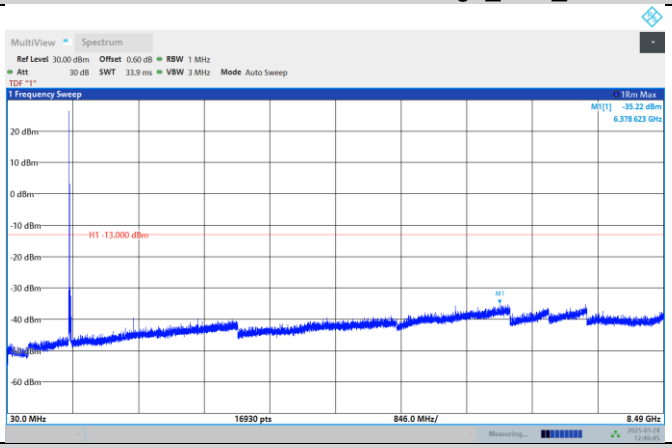
N5-PC3-15MHz-H-DFT-QPSK-Edge_1RB_Left



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



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



N5-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
N5	15	20MHz	DFT-QPSK	L	Outer_Full	VL	NT	3.17	0.0038	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	VN	NT	-10.99	-0.0133	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	VH	NT	-9.66	-0.0117	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	VL	NT	7.04	0.0084	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	VN	NT	1.37	0.0016	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	VH	NT	7.35	0.0088	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	VL	NT	10.10	0.0120	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	VN	NT	-0.27	-0.0003	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	VH	NT	-12.24	-0.0145	±2.5	PASS

Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm	Verdict
N5	15	20MHz	DFT-QPSK	L	Outer_Full	NV	-30	4.52	0.0055	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	NV	-20	7.57	0.0091	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	NV	-10	7.51	0.0091	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	NV	0	-8.56	-0.0103	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	NV	10	6.15	0.0074	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	NV	20	2.35	0.0028	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	NV	30	14.27	0.0172	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	NV	40	14.47	0.0175	±2.5	PASS
N5	15	20MHz	DFT-QPSK	L	Outer_Full	NV	50	-0.16	-0.0002	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	NV	-30	-2.34	-0.0028	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	NV	-20	-14.08	-0.0168	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	NV	-10	11.77	0.0141	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	NV	0	5.17	0.0062	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	NV	10	-0.94	-0.0011	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	NV	20	-14.23	-0.0170	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	NV	30	-12.97	-0.0155	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	NV	40	8.88	0.0106	±2.5	PASS
N5	15	20MHz	DFT-QPSK	M	Outer_Full	NV	50	-2.84	-0.0034	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	NV	-30	4.89	0.0058	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	NV	-20	10.01	0.0119	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	NV	-10	8.66	0.0103	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	NV	0	8.90	0.0105	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	NV	10	5.26	0.0062	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	NV	20	-10.57	-0.0125	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	NV	30	-5.13	-0.0061	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	NV	40	3.69	0.0044	±2.5	PASS
N5	15	20MHz	DFT-QPSK	H	Outer_Full	NV	50	-13.93	-0.0165	±2.5	PASS

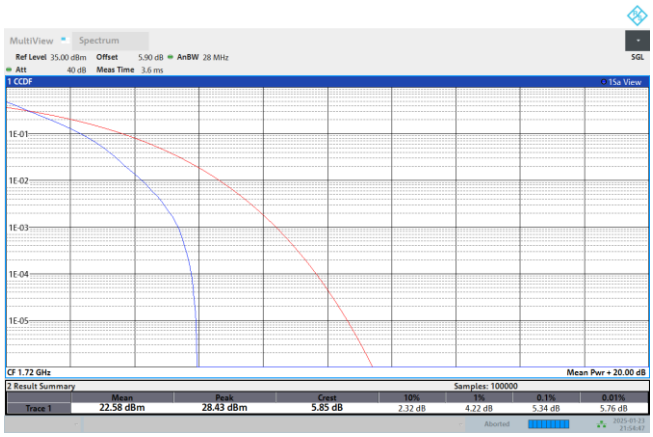
N66

PEAK-TO-AVERAGE RATIO(CCDF)

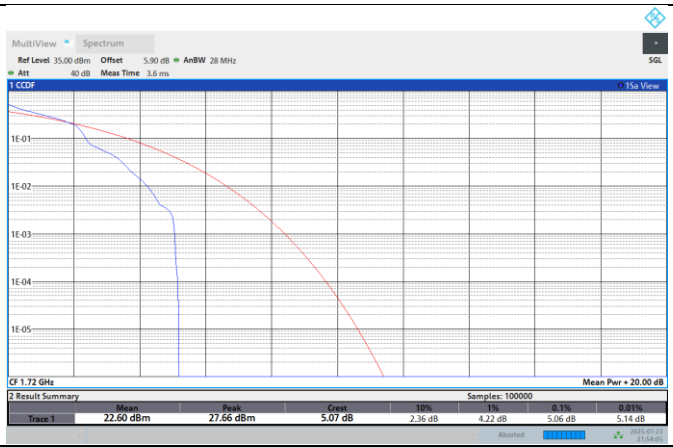
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N66	15	20MHz	DFT-QPSK	L	Outer_Full	5.34	13	PASS
N66	15	20MHz	DFT-QPSK	L	Edge_1RB_Left	5.06	13	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	5.26	13	PASS
N66	15	20MHz	DFT-QPSK	M	Edge_1RB_Left	5.46	13	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	5.50	13	PASS
N66	15	20MHz	DFT-QPSK	H	Edge_1RB_Left	5.76	13	PASS

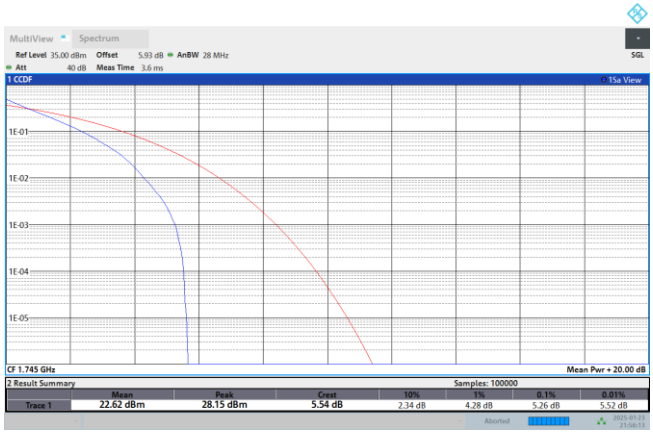
Test Graphs



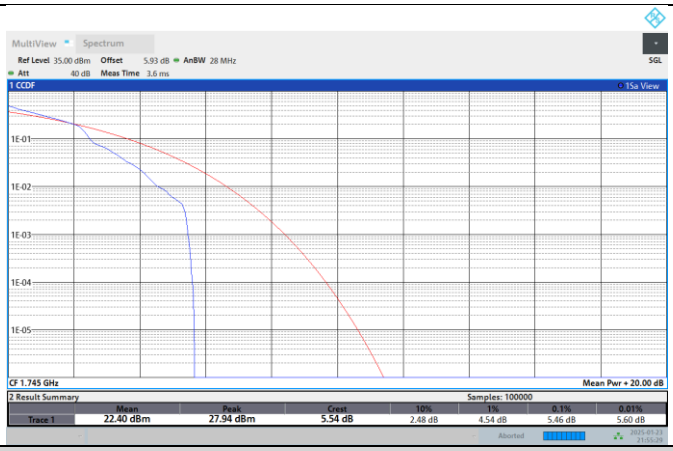
N66-PC3-20MHz-L-DFT-QPSK-Outer_Full



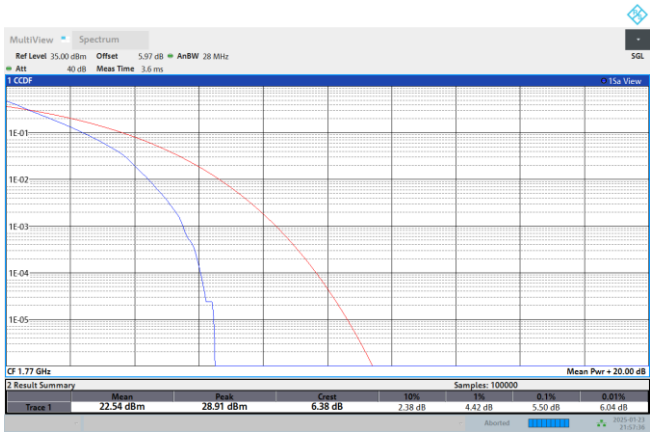
N66-PC3-20MHz-L-DFT-QPSK-Edge_1RB_Left



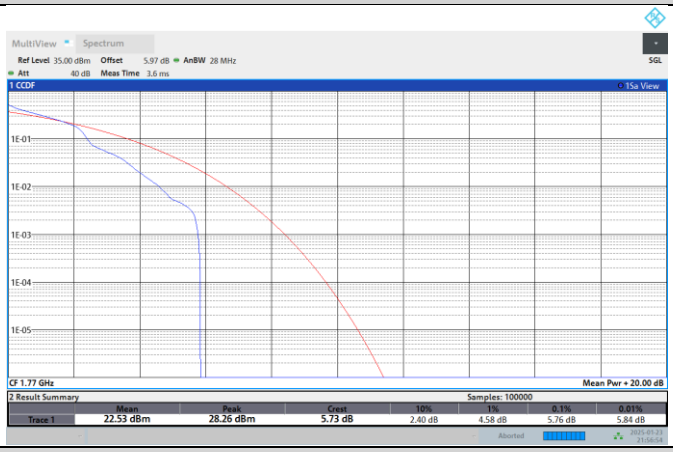
N66-PC3-20MHz-M-DFT-QPSK-Outer_Full



N66-PC3-20MHz-M-DFT-QPSK-Edge_1RB_Left



N66-PC3-20MHz-H-DFT-QPSK-Outer_Full



N66-PC3-20MHz-H-DFT-QPSK-Edge_1RB_Left

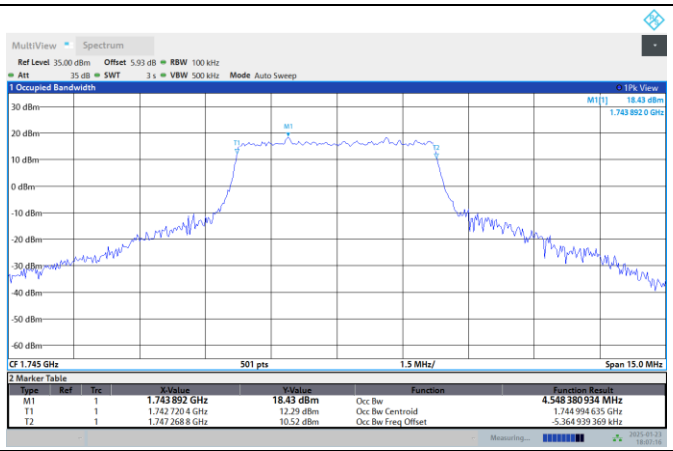
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

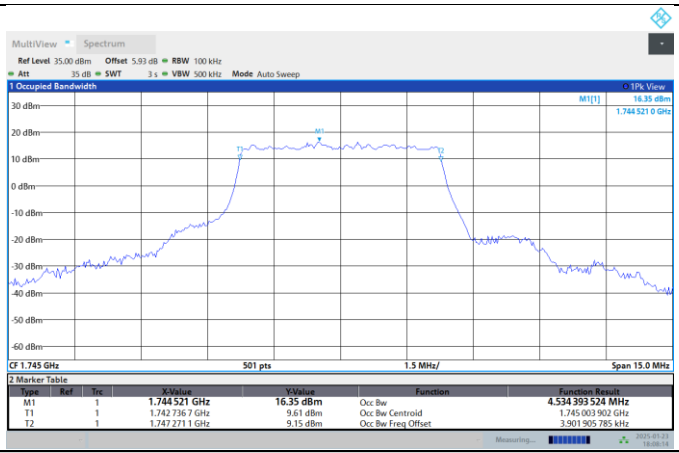
Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N66	15	5MHz	DFT-PI2BPSK	M	Outer_Full	4.548	5.30	PASS
N66	15	5MHz	DFT-QPSK	M	Outer_Full	4.534	5.20	PASS
N66	15	5MHz	DFT-16QAM	M	Outer_Full	4.540	5.28	PASS
N66	15	5MHz	DFT-64QAM	M	Outer_Full	4.530	5.18	PASS
N66	15	5MHz	DFT-256QAM	M	Outer_Full	4.527	5.25	PASS
N66	15	10MHz	DFT-PI2BPSK	M	Outer_Full	9.004	9.95	PASS
N66	15	10MHz	DFT-QPSK	M	Outer_Full	9.006	9.86	PASS
N66	15	10MHz	DFT-16QAM	M	Outer_Full	8.992	9.98	PASS
N66	15	10MHz	DFT-64QAM	M	Outer_Full	9.035	10.10	PASS
N66	15	10MHz	DFT-256QAM	M	Outer_Full	9.026	9.92	PASS
N66	15	15MHz	DFT-PI2BPSK	M	Outer_Full	13.520	14.65	PASS
N66	15	15MHz	DFT-QPSK	M	Outer_Full	13.534	14.74	PASS
N66	15	15MHz	DFT-16QAM	M	Outer_Full	13.552	14.56	PASS
N66	15	15MHz	DFT-64QAM	M	Outer_Full	13.533	14.79	PASS
N66	15	15MHz	DFT-256QAM	M	Outer_Full	13.579	14.70	PASS
N66	15	20MHz	DFT-PI2BPSK	M	Outer_Full	18.070	20.20	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	18.113	19.72	PASS
N66	15	20MHz	DFT-16QAM	M	Outer_Full	18.053	19.42	PASS
N66	15	20MHz	DFT-64QAM	M	Outer_Full	18.081	19.36	PASS
N66	15	20MHz	DFT-256QAM	M	Outer_Full	18.011	19.84	PASS
N66	15	25MHz	DFT-PI2BPSK	M	Outer_Full	22.969	24.50	PASS
N66	15	25MHz	DFT-QPSK	M	Outer_Full	22.989	24.65	PASS
N66	15	25MHz	DFT-16QAM	M	Outer_Full	23.027	24.43	PASS
N66	15	25MHz	DFT-64QAM	M	Outer_Full	23.022	24.43	PASS
N66	15	25MHz	DFT-256QAM	M	Outer_Full	23.021	24.50	PASS
N66	15	30MHz	DFT-PI2BPSK	M	Outer_Full	28.728	30.48	PASS
N66	15	30MHz	DFT-QPSK	M	Outer_Full	28.793	30.12	PASS
N66	15	30MHz	DFT-16QAM	M	Outer_Full	28.690	30.21	PASS
N66	15	30MHz	DFT-64QAM	M	Outer_Full	28.591	30.30	PASS
N66	15	30MHz	DFT-256QAM	M	Outer_Full	28.650	30.21	PASS
N66	15	40MHz	DFT-PI2BPSK	M	Outer_Full	38.997	41.48	PASS
N66	15	40MHz	DFT-QPSK	M	Outer_Full	38.995	41.24	PASS
N66	15	40MHz	DFT-16QAM	M	Outer_Full	38.932	41.12	PASS
N66	15	40MHz	DFT-64QAM	M	Outer_Full	38.897	41.24	PASS
N66	15	40MHz	DFT-256QAM	M	Outer_Full	38.817	41.24	PASS

Test Graphs

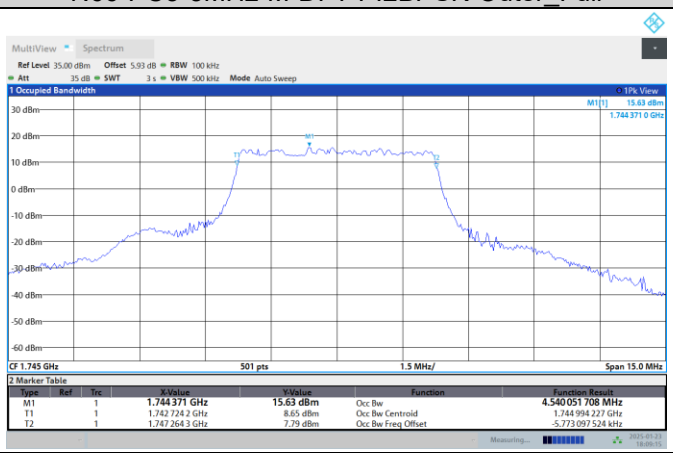
Occupied Bandwidth



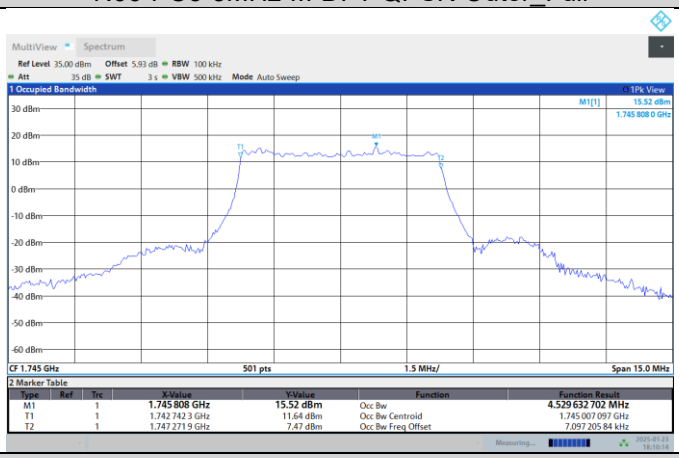
N66-PC3-5MHz-M-DFT-PI2BPSK-Outer_Full



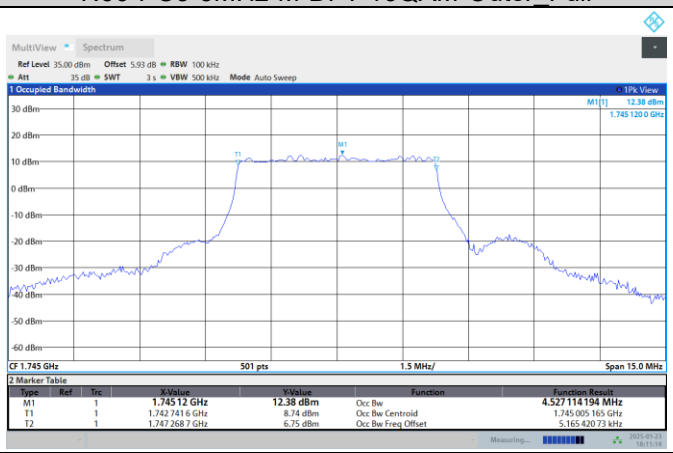
N66-PC3-5MHz-M-DFT-QPSK-Outer_Full



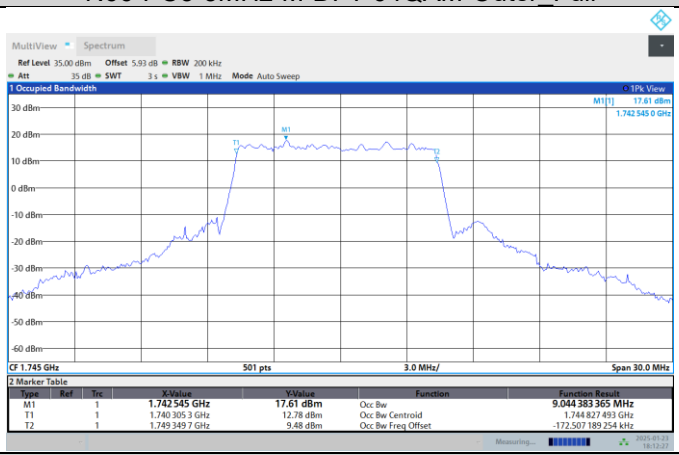
N66-PC3-5MHz-M-DFT-16QAM-Outer_Full



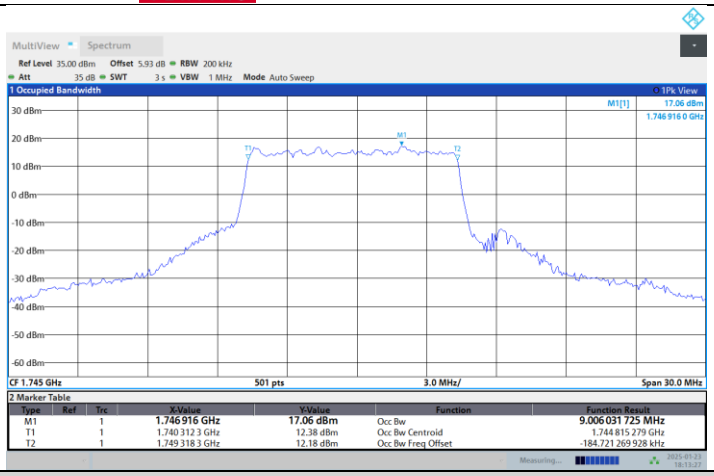
N66-PC3-5MHz-M-DFT-64QAM-Outer_Full



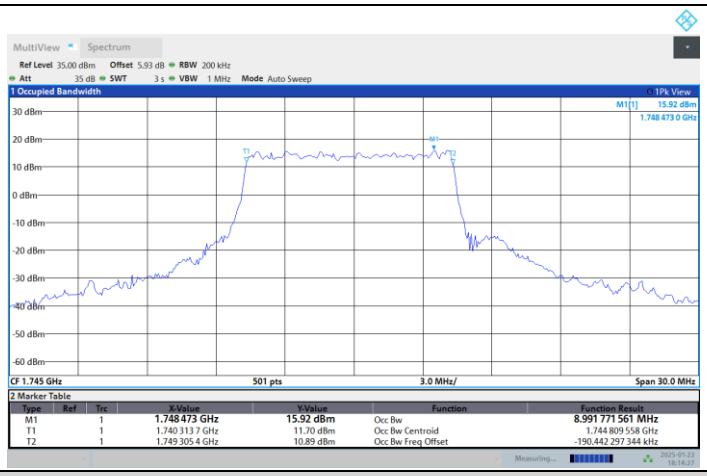
N66-PC3-5MHz-M-DFT-256QAM-Outer_Full



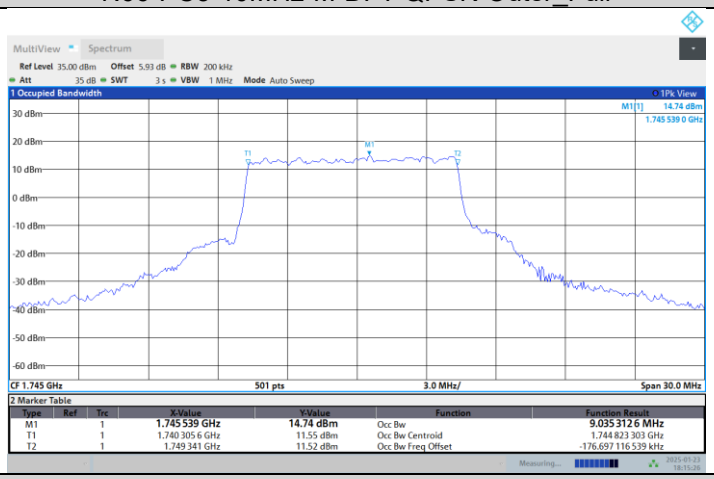
N66-PC3-10MHz-M-DFT-PI2BPSK-Outer_Full



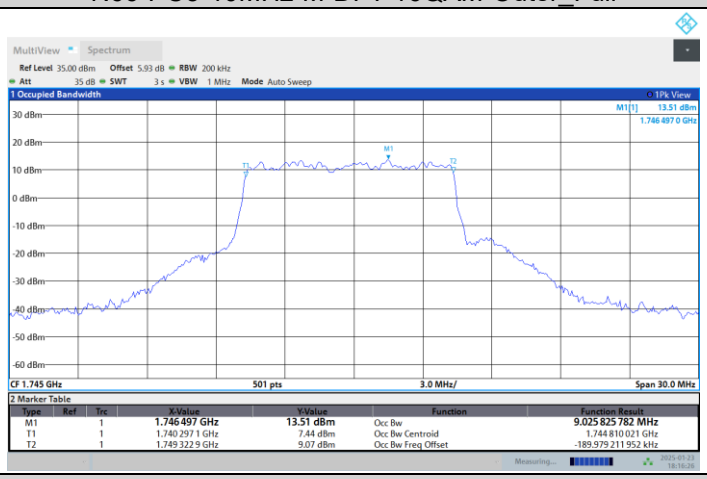
N66-PC3-10MHz-M-DFT-QPSK-Outer_Full



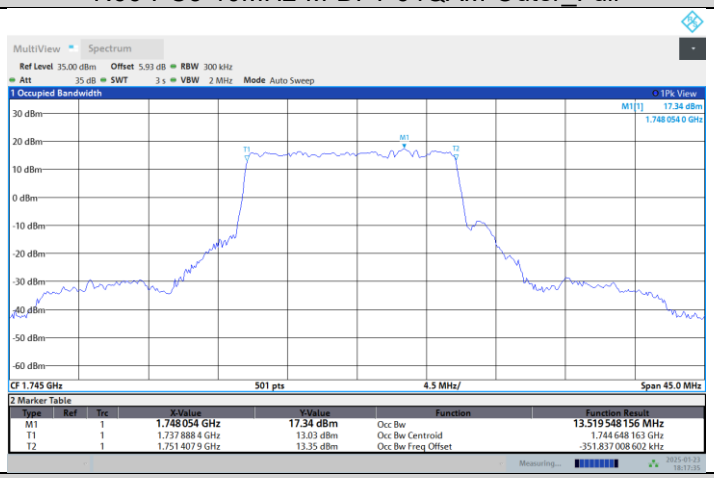
N66-PC3-10MHz-M-DFT-16QAM-Outer_Full



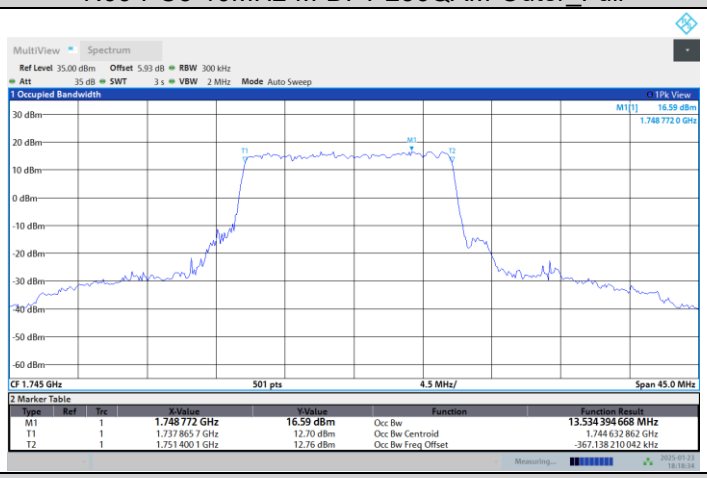
N66-PC3-10MHz-M-DFT-64QAM-Outer_Full



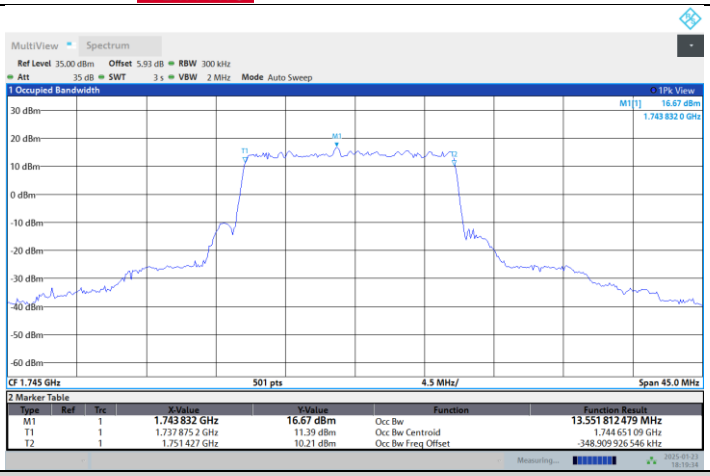
N66-PC3-10MHz-M-DFT-256QAM-Outer_Full



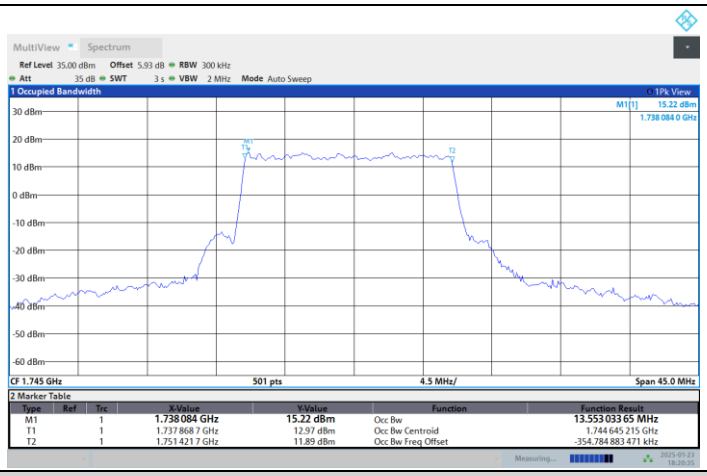
N66-PC3-15MHz-M-DFT-PI2BPSK-Outer_Full



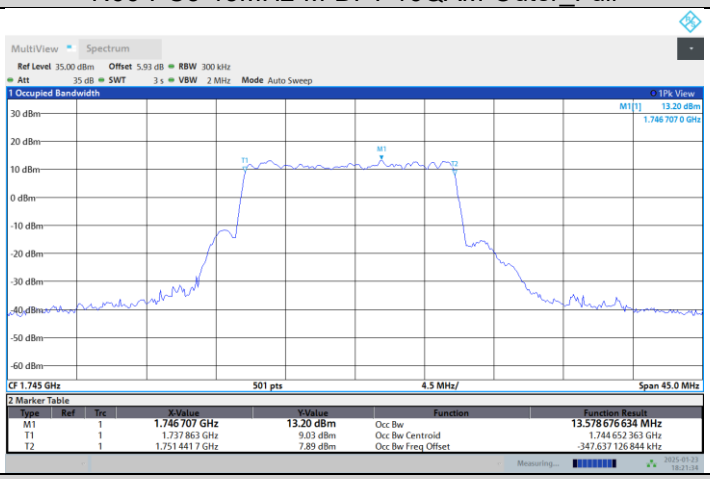
N66-PC3-15MHz-M-DFT-QPSK-Outer_Full



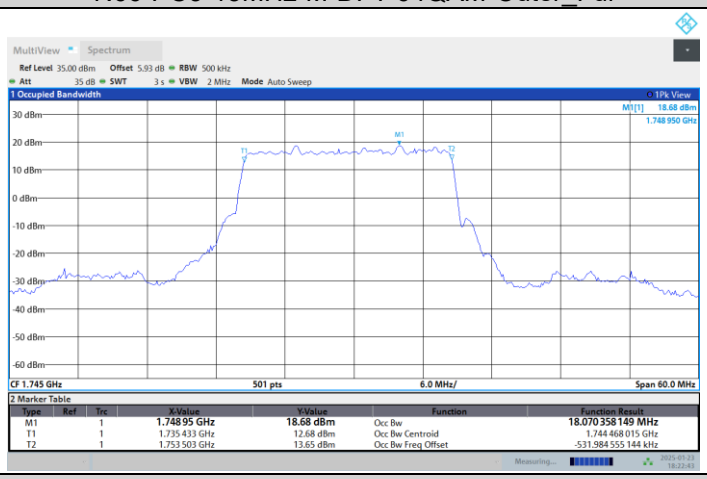
N66-PC3-15MHz-M-DFT-16QAM-Outer_Full



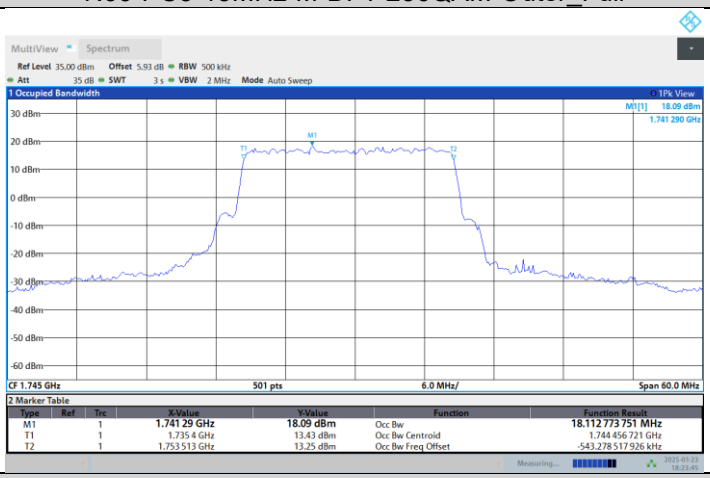
N66-PC3-15MHz-M-DFT-64QAM-Outer_Ful



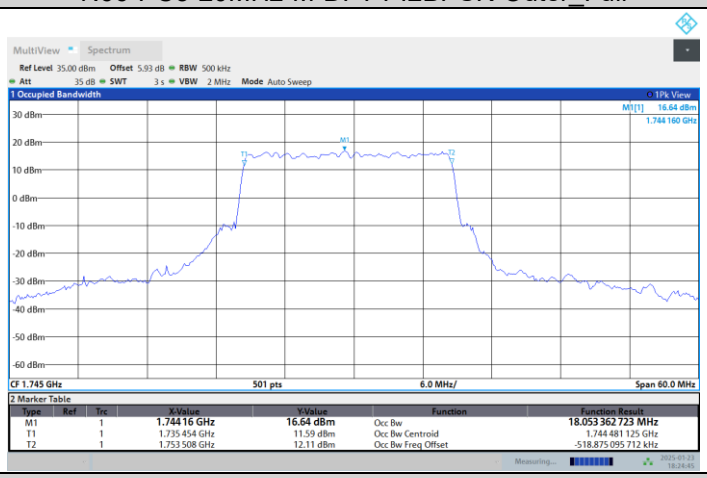
N66-PC3-15MHz-M-DFT-256QAM-Outer_Full



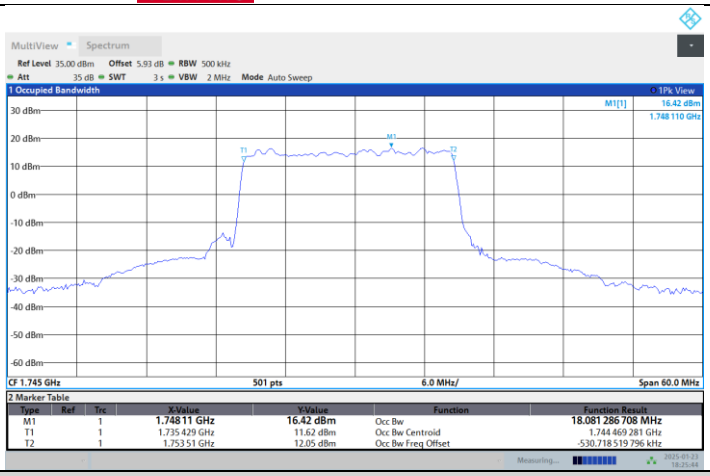
N66-PC3-20MHz-M-DFT-PI2BPSK-Outer_Full



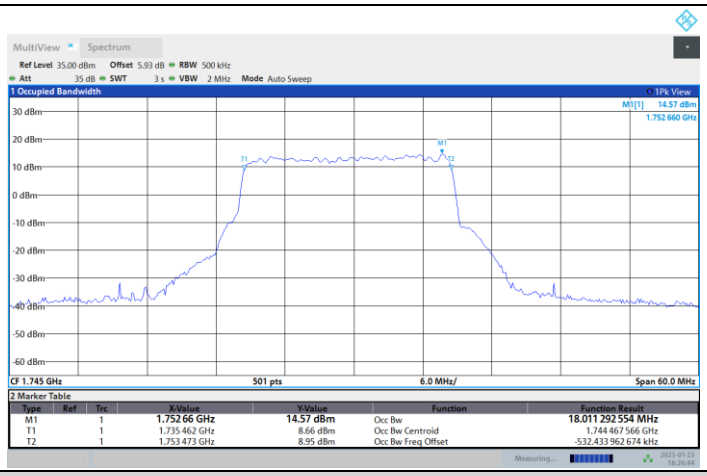
N66-PC3-20MHz-M-DFT-QPSK-Outer_Full



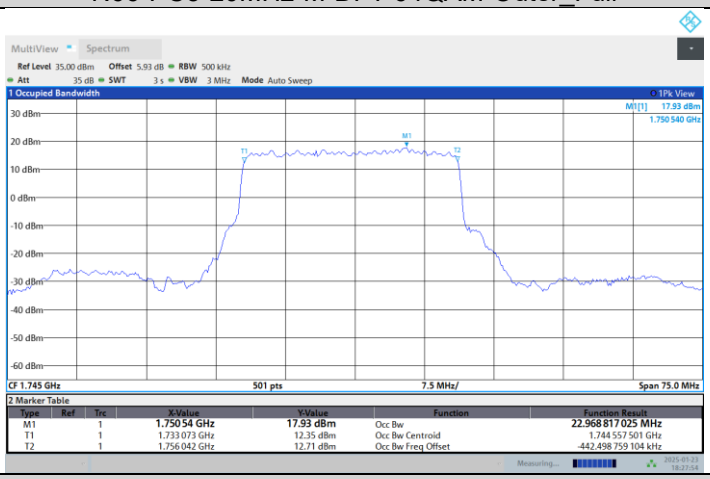
N66-PC3-20MHz-M-DFT-16QAM-Outer_Full



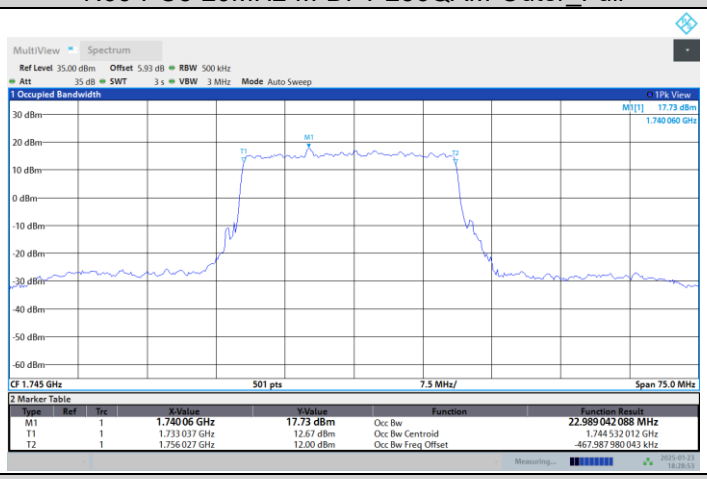
N66-PC3-20MHz-M-DFT-64QAM-Outer_Full



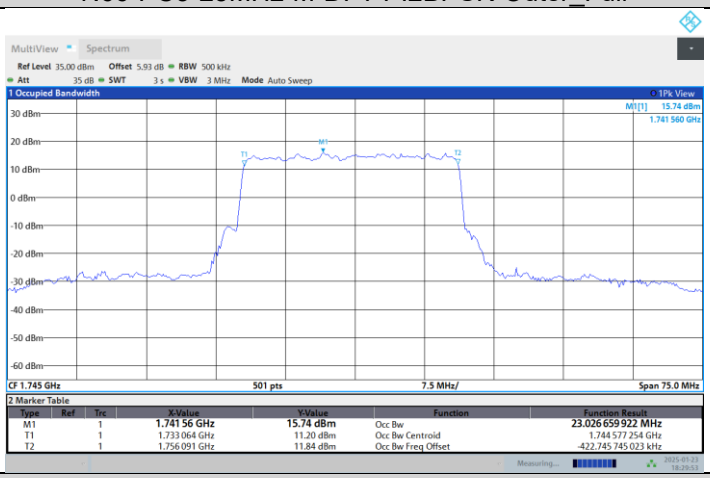
N66-PC3-20MHz-M-DFT-256QAM-Outer_Full



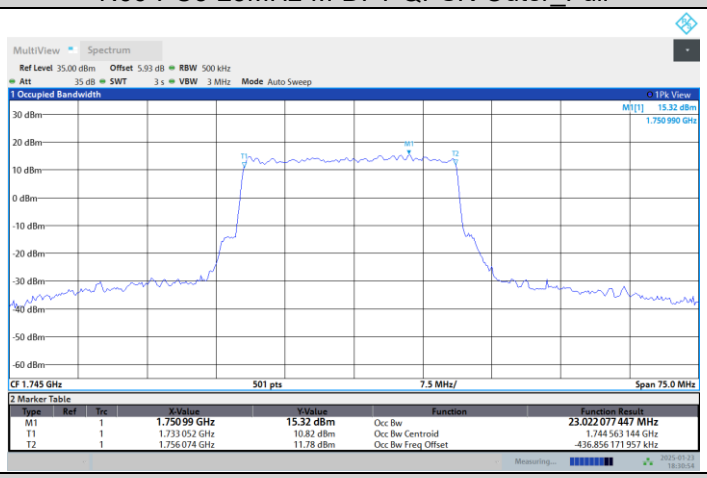
N66-PC3-25MHz-M-DFT-PI2BPSK-Outer_Full



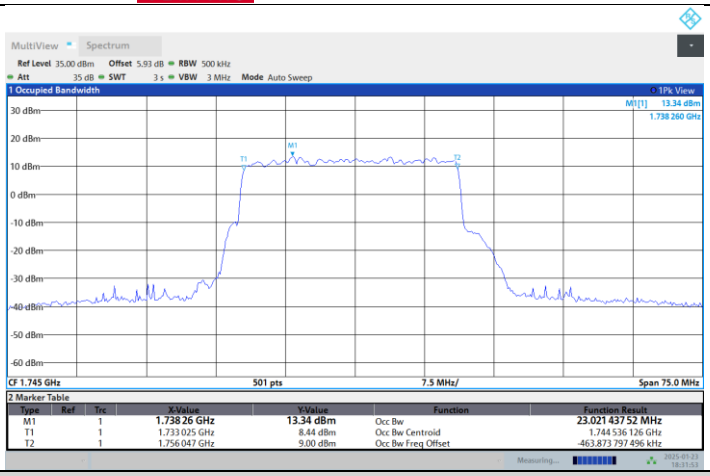
N66-PC3-25MHz-M-DFT-QPSK-Outer_Full



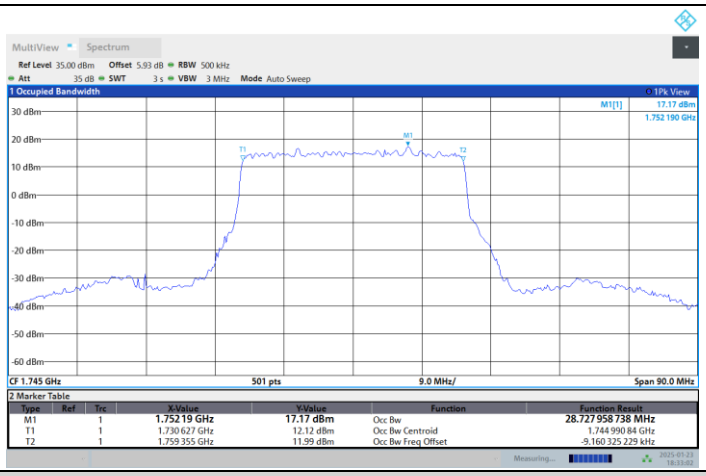
N66-PC3-25MHz-M-DFT-16QAM-Outer_Full



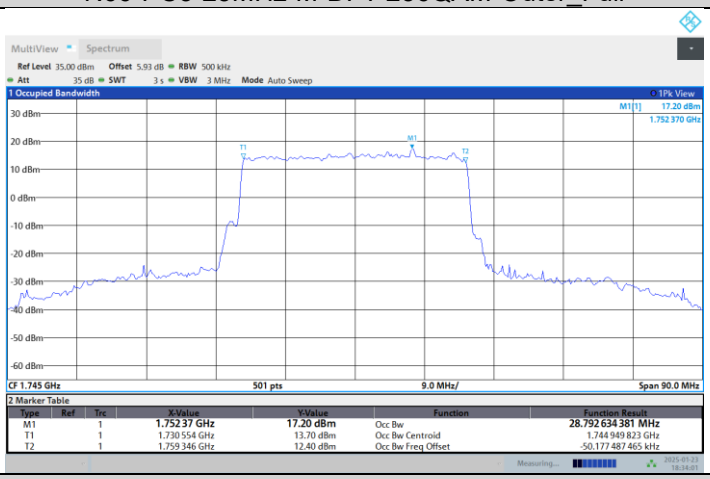
N66-PC3-25MHz-M-DFT-64QAM-Outer_Full



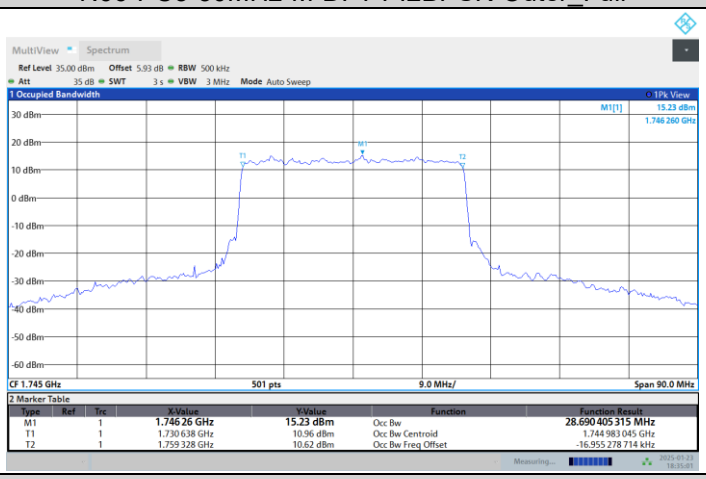
N66-PC3-25MHz-M-DFT-256QAM-Outer_Full



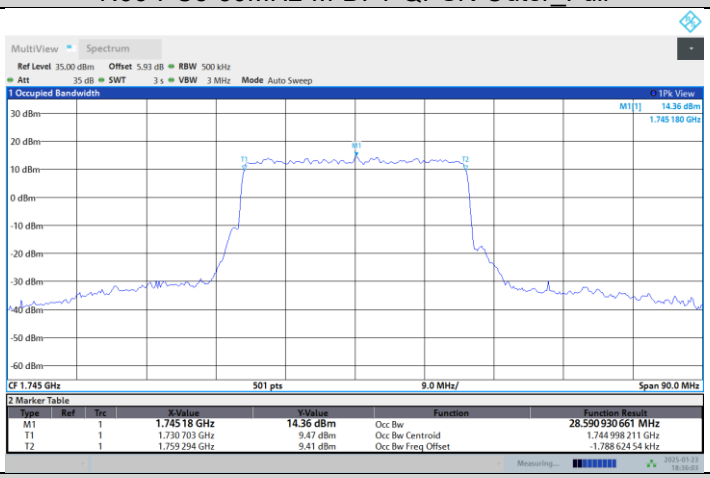
N66-PC3-30MHz-M-DFT-PI2BPSK-Outer_Full



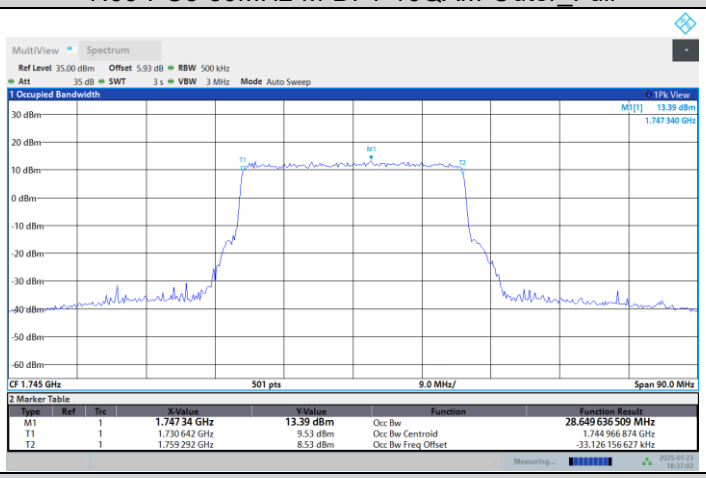
N66-PC3-30MHz-M-DFT-QPSK-Outer_Full



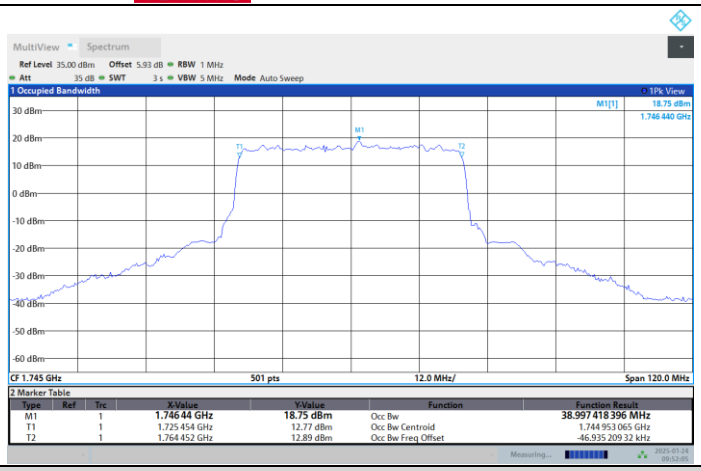
N66-PC3-30MHz-M-DFT-16QAM-Outer_Full



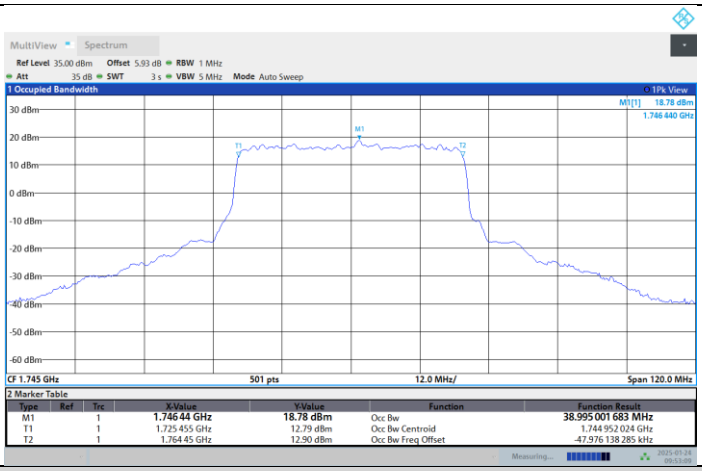
N66-PC3-30MHz-M-DFT-64QAM-Outer_Full



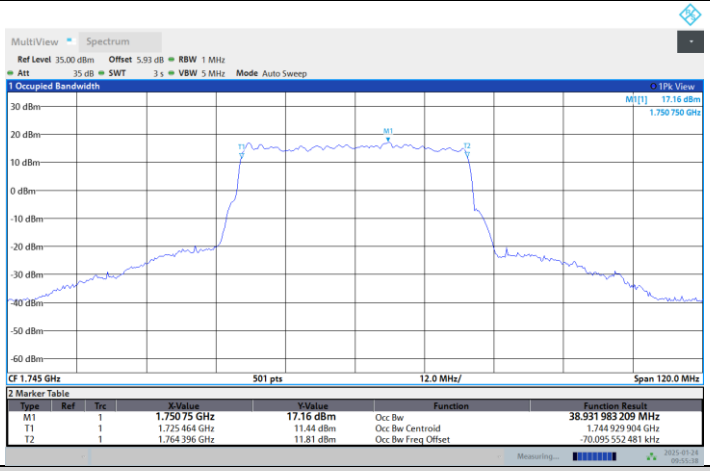
N66-PC3-30MHz-M-DFT-256QAM-Outer_Full



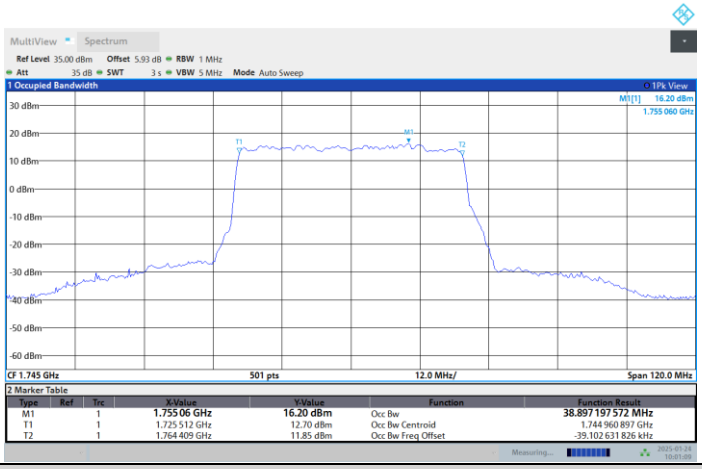
N66-PC3-40MHz-M-DFT-PI2BPSK-Outer_Full



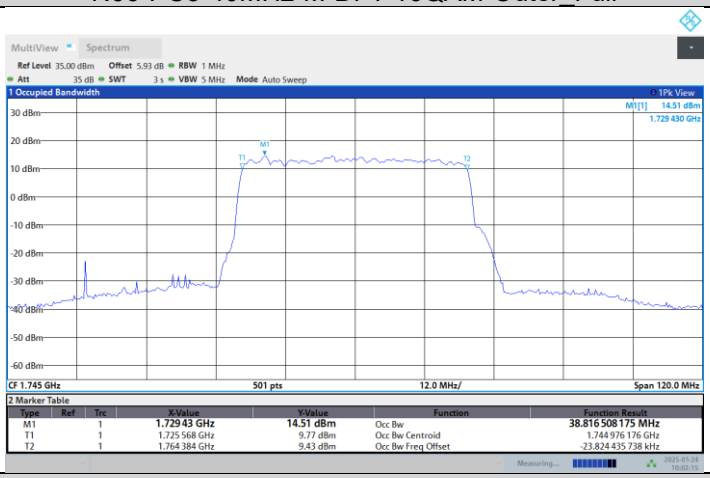
N66-PC3-40MHz-M-DFT-QPSK-Outer_Full



N66-PC3-40MHz-M-DFT-16QAM-Outer_Full



N66-PC3-40MHz-M-DFT-64QAM-Outer_Full



N66-PC3-40MHz-M-DFT-256QAM-Outer_Full

26dB Bandwidth