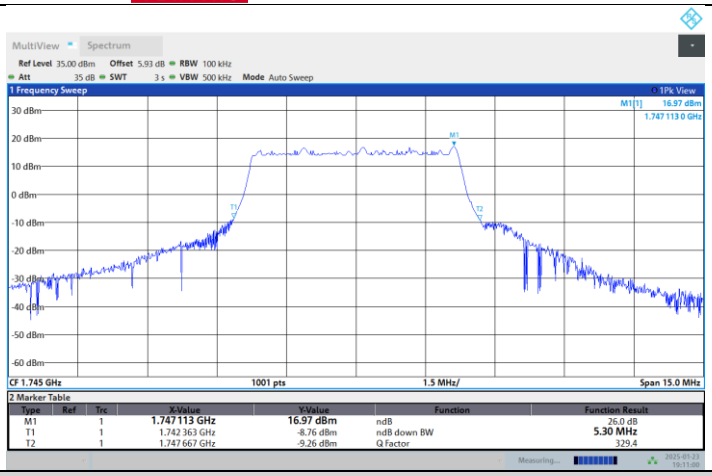
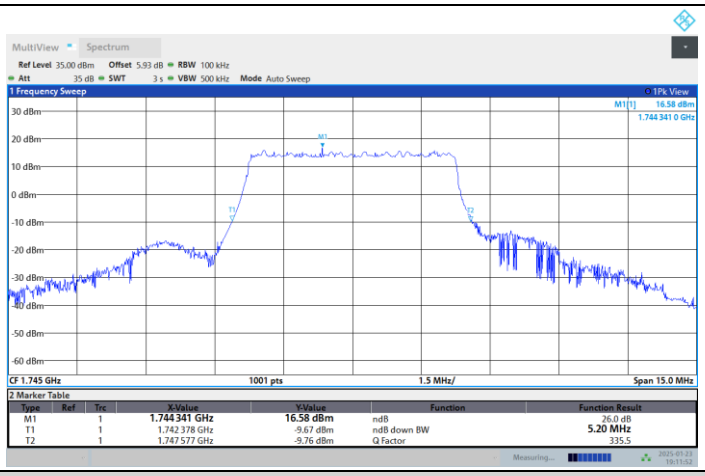


N66-PC3-5MHz-M-DFT-PI2BPSK-Outer_Full



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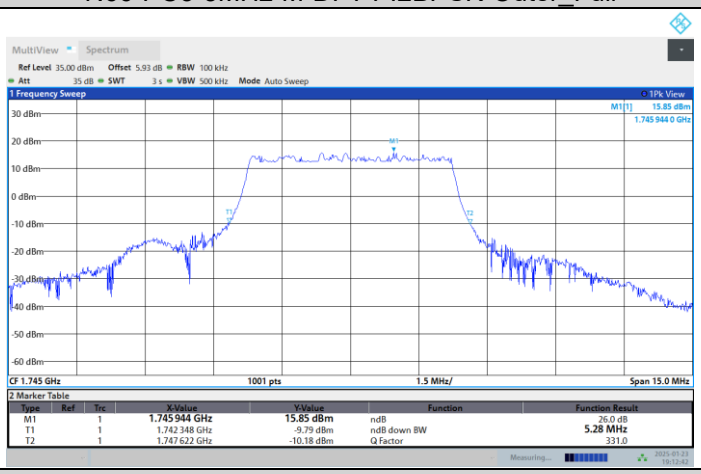

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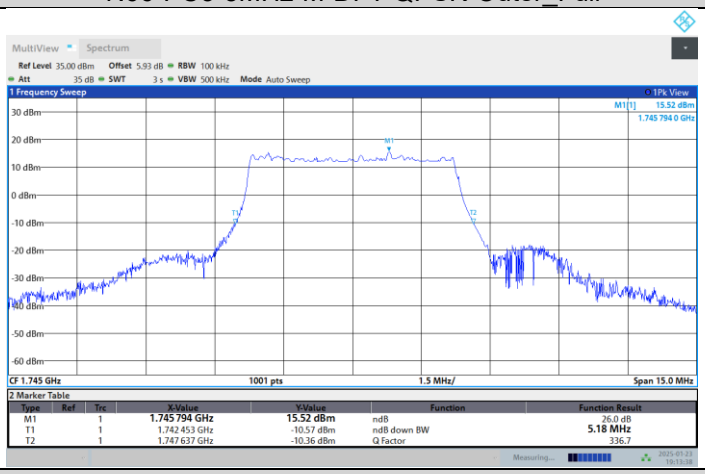

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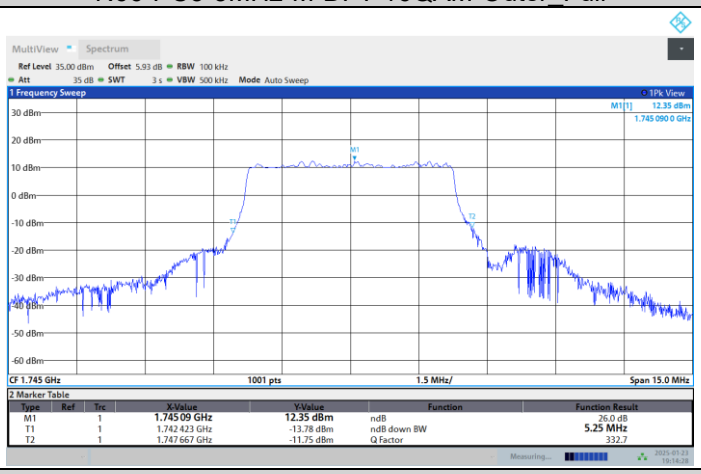

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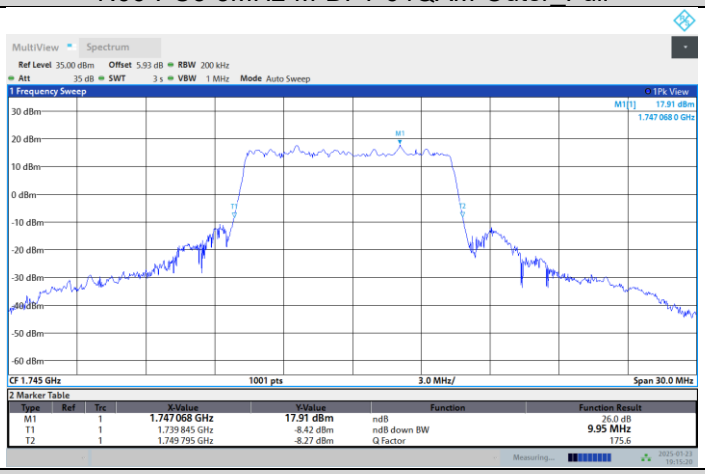

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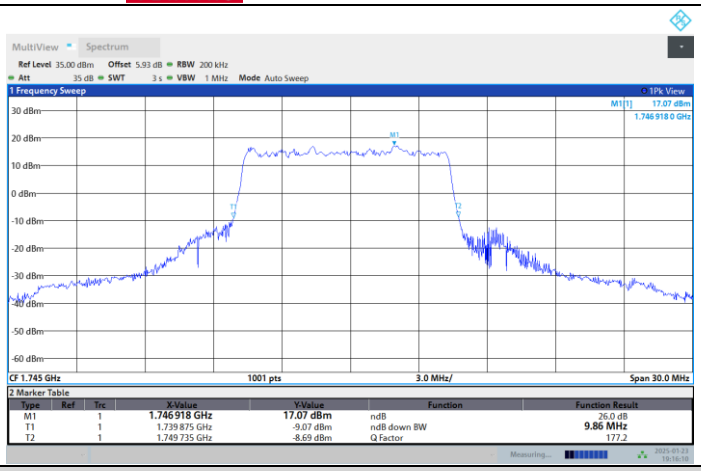

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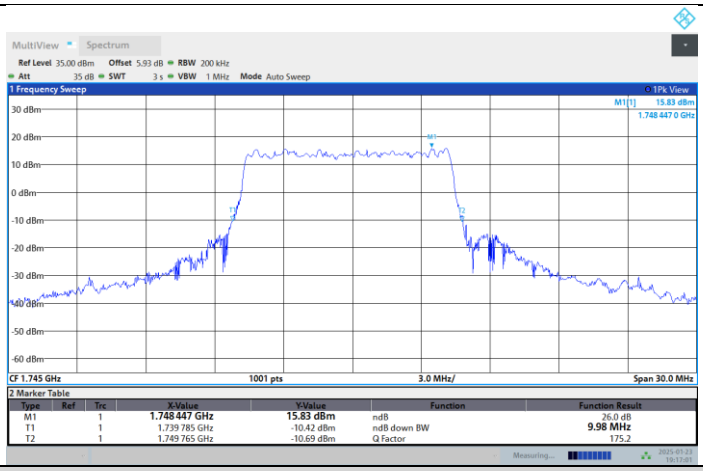

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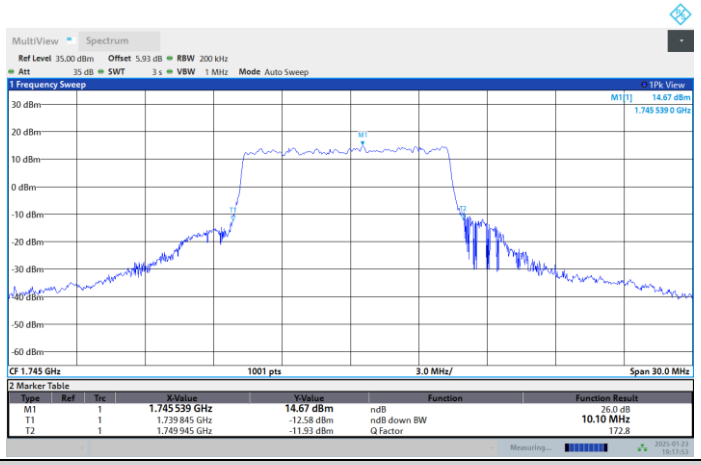

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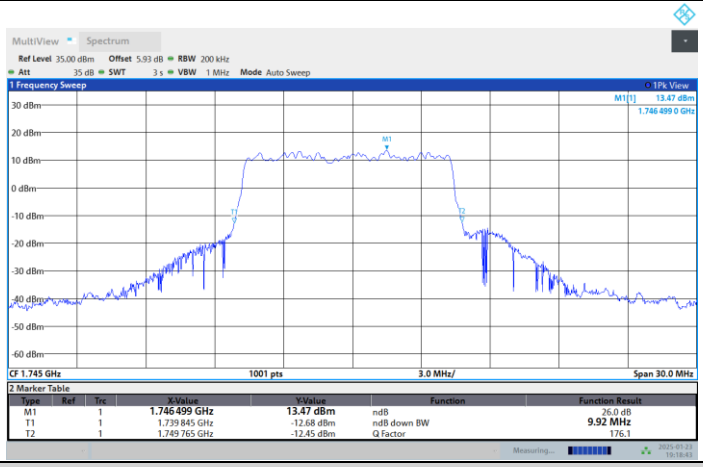

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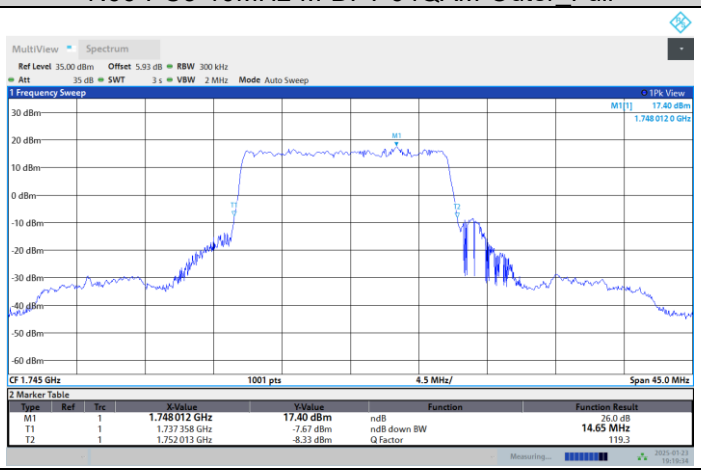

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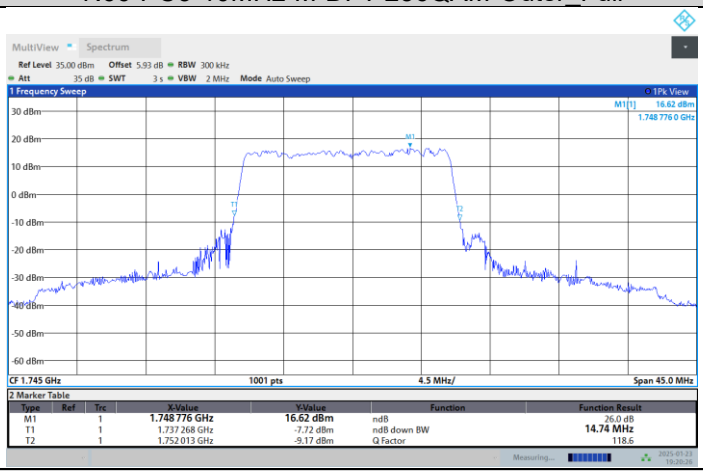
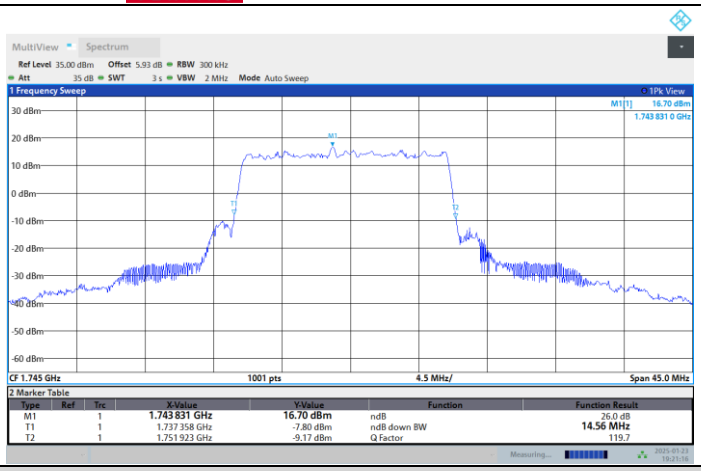


N66-PC3-15MHz-M-DFT-QPSK-Outer_Full



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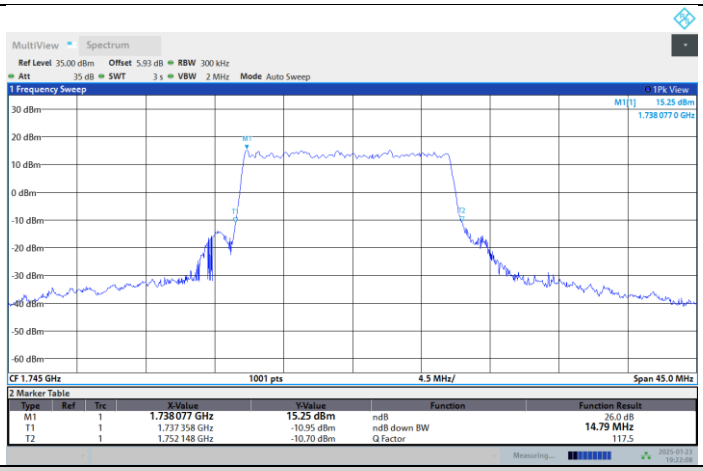

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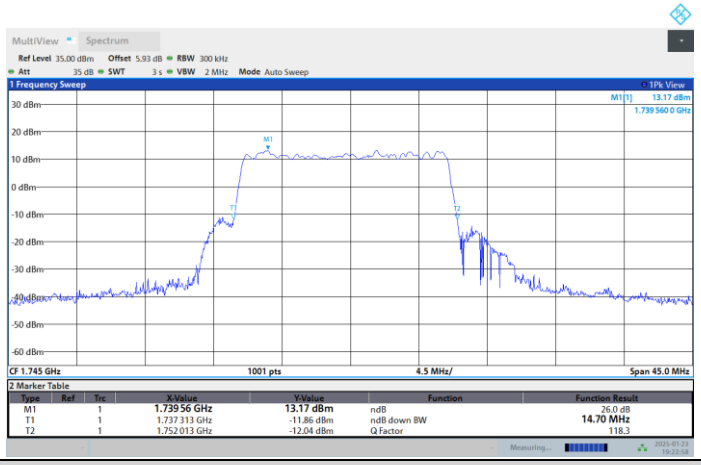
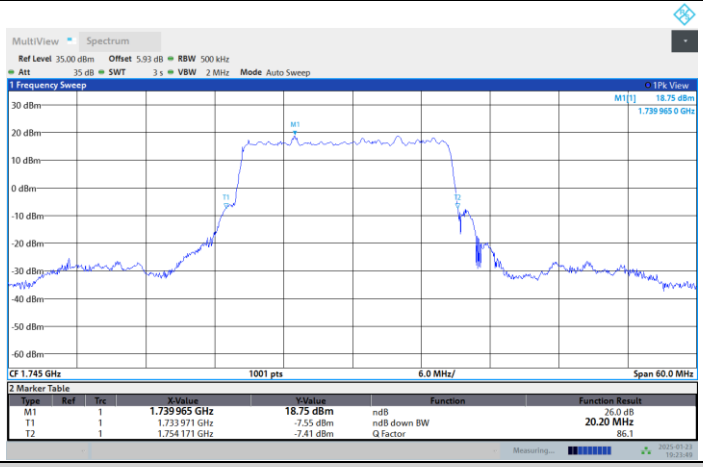
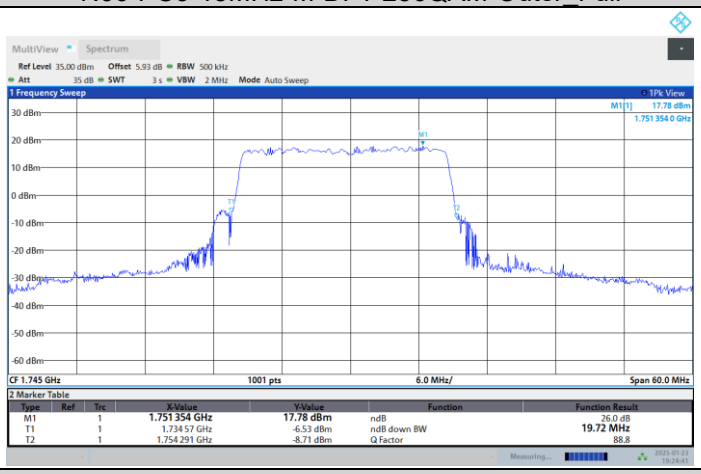


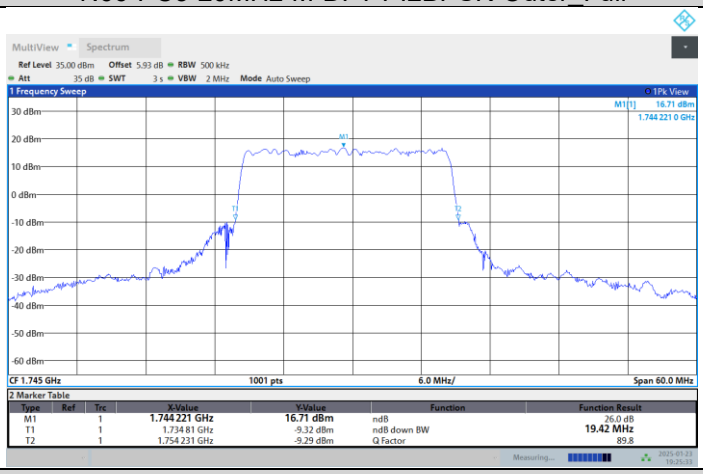
N66-PC3-15MHz-M-DFT-256QAM-Outer_Full



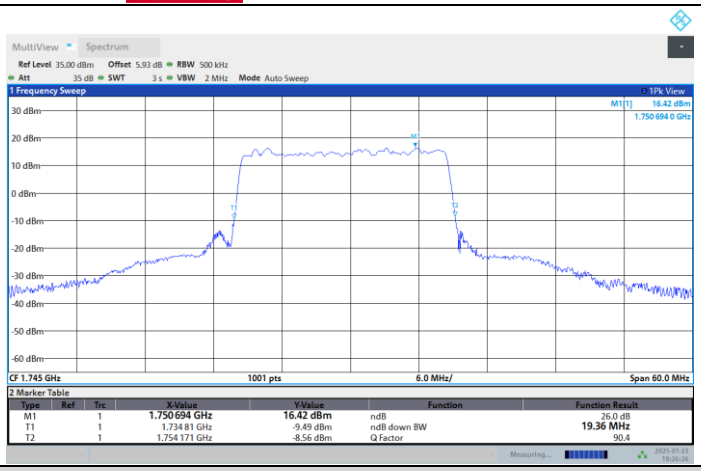
N66-PC3-20MHz-M-DFT-PI2BPSK-Outer_Full



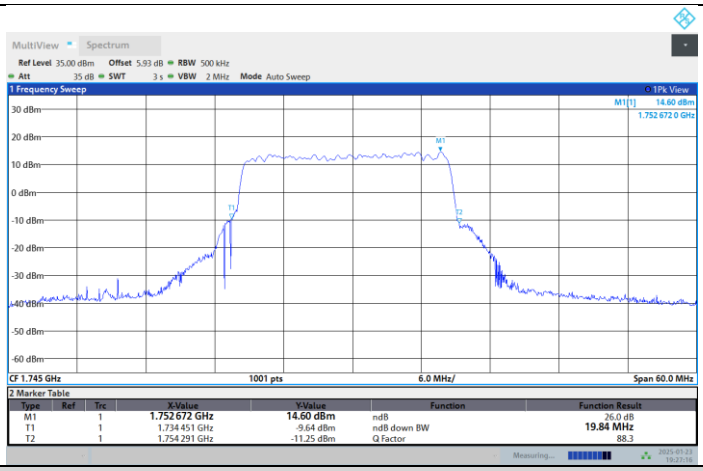
N66-PC3-20MHz-M-DFT-QPSK-Outer_Full



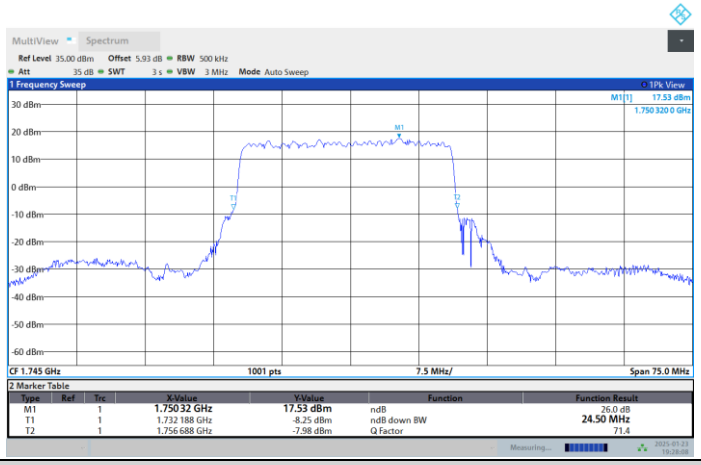
N66-PC3-20MHz-M-DFT-16QAM-Outer_Full



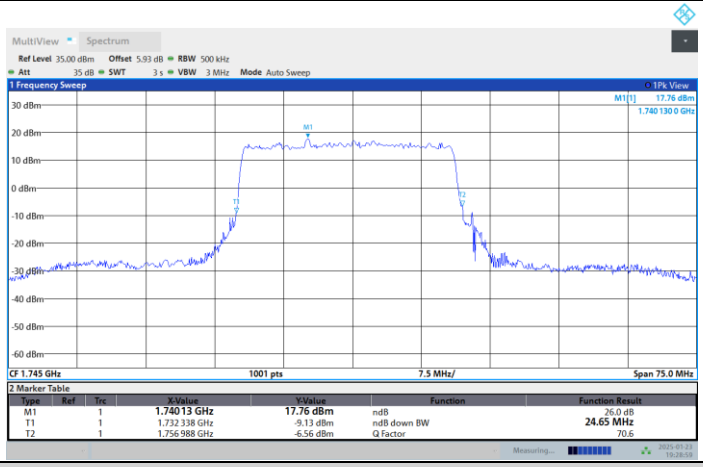
N66-PC3-20MHz-M-DFT-64QAM-Outer_Full



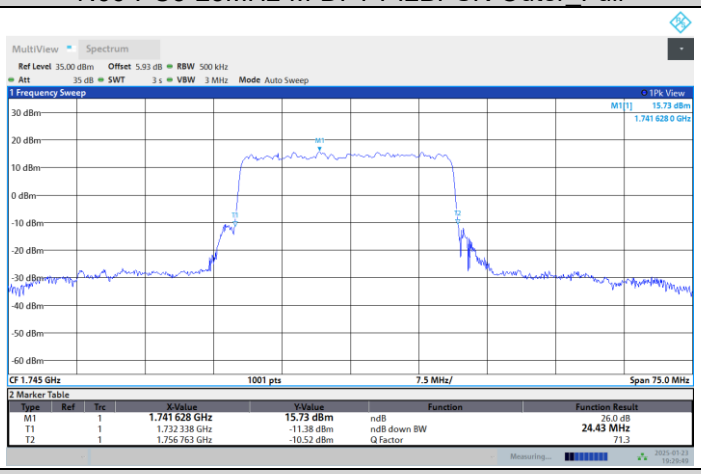
N66-PC3-20MHz-M-DFT-256QAM-Outer_Full



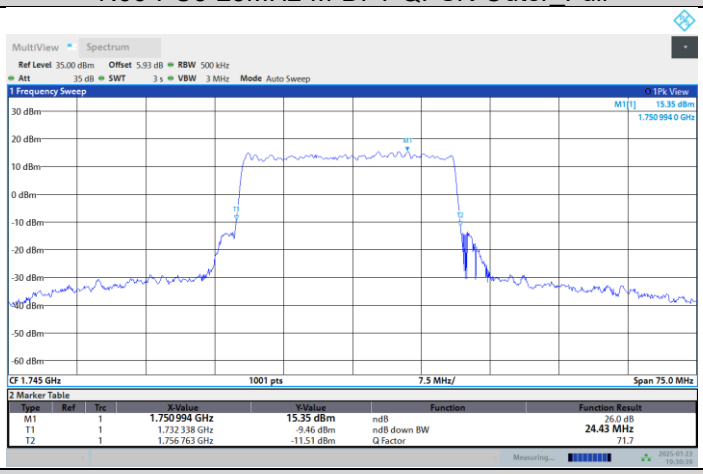
N66-PC3-25MHz-M-DFT-PI2BPSK-Outer_Full



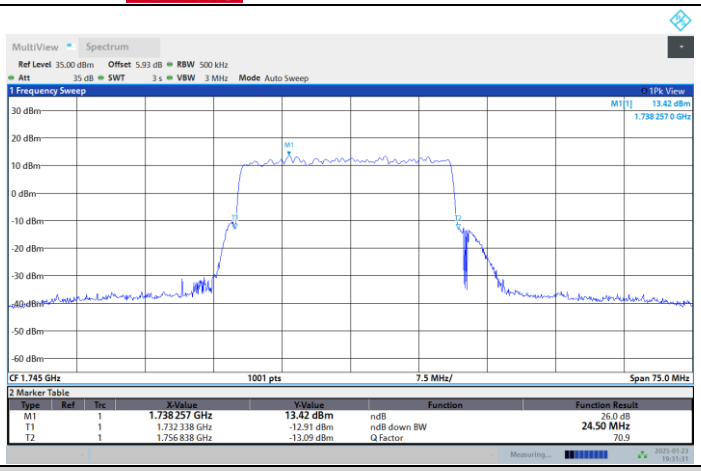
N66-PC3-25MHz-M-DFT-QPSK-Outer_Full



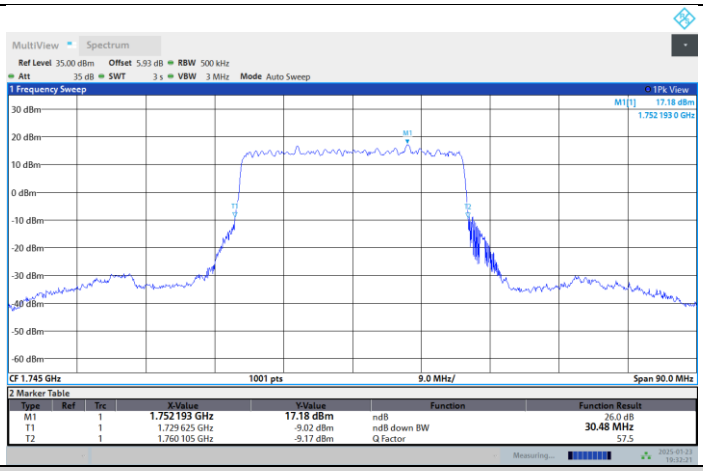
N66-PC3-25MHz-M-DFT-16QAM-Outer_Full



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



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



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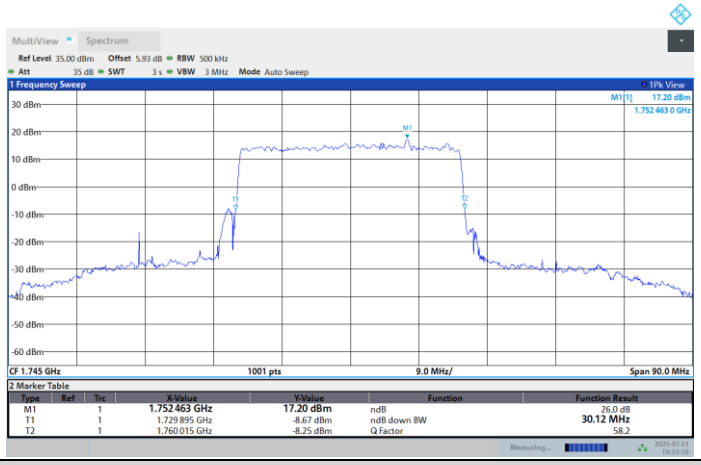

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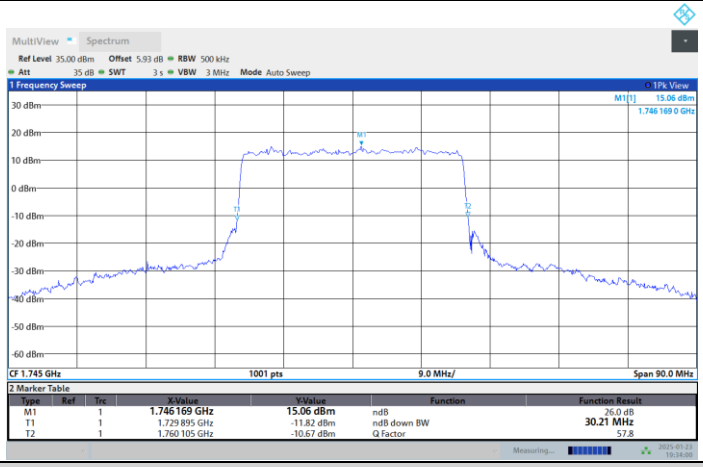

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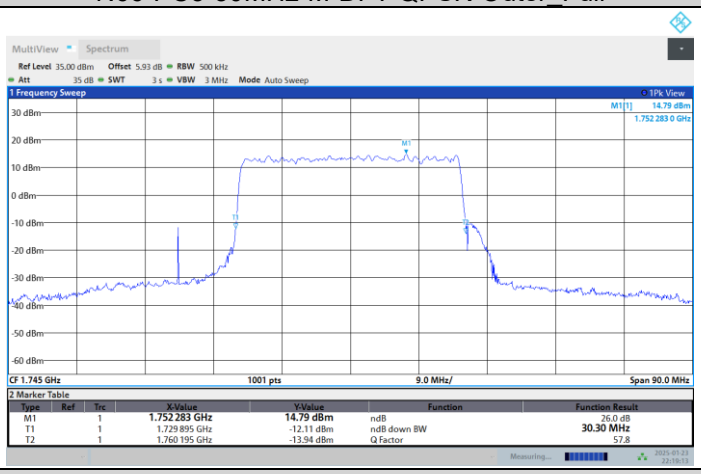

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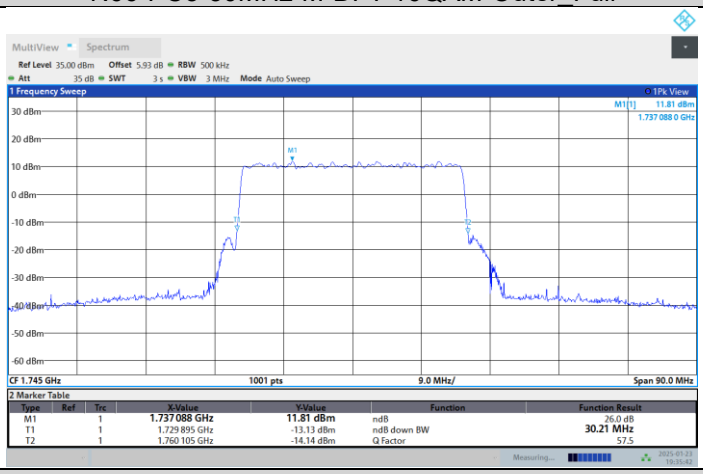
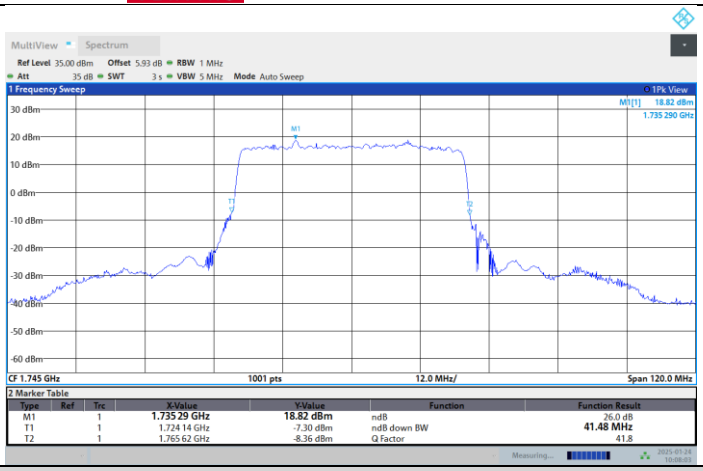
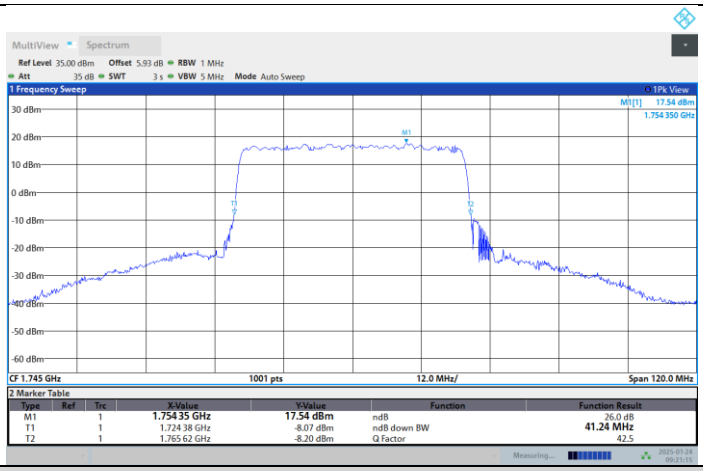


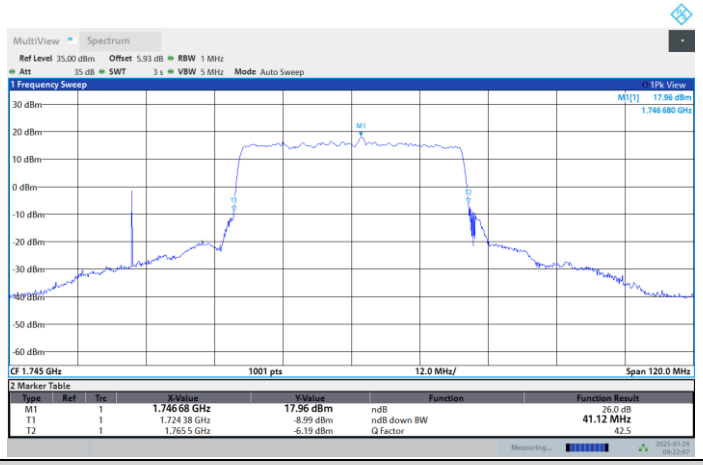
N66-PC3-30MHz-M-DFT-256QAM-Outer_Full



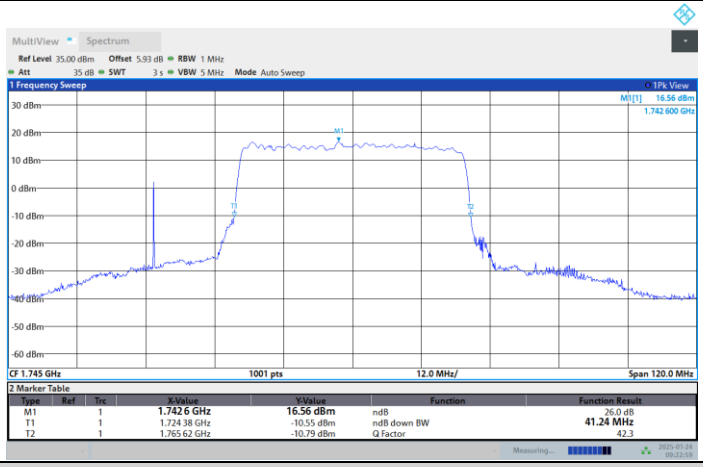
N66-PC3-40MHz-M-DFT-PI2BPSK-Outer_Full



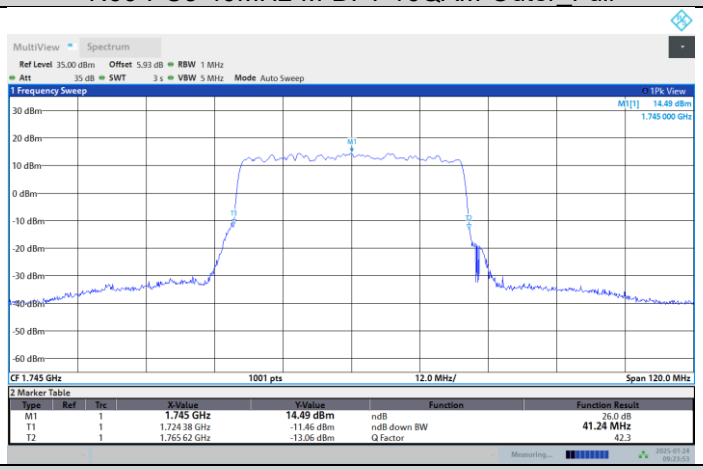
N66-PC3-40MHz-M-DFT-QPSK-Outer_Full



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



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



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

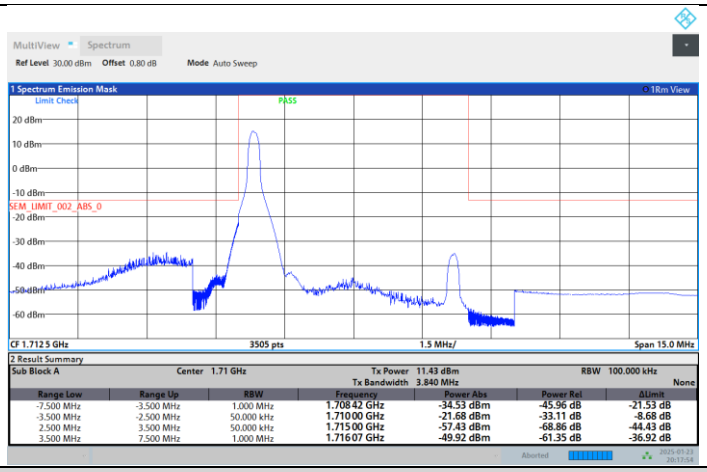
BAND EDGE

Test Result

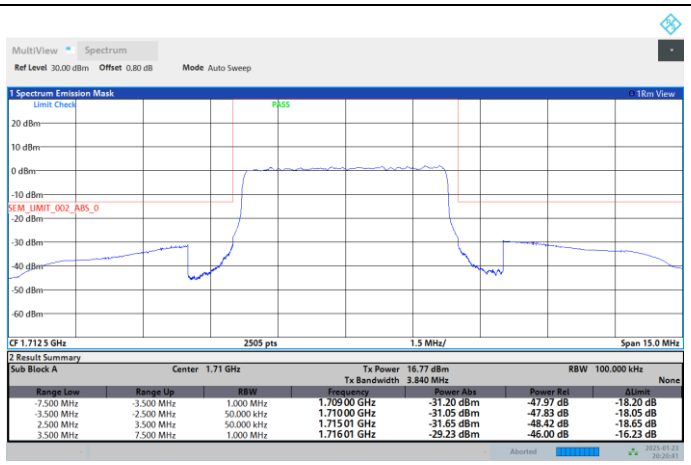
NOTE: Pre-scan QPSK,16QAM,64QAM, 256QAM four modulations modes, only the worst mode and data reflected in the report.

Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N66	15	5MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N66	15	5MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N66	15	5MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N66	15	5MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N66	15	10MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N66	15	10MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N66	15	10MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N66	15	10MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N66	15	15MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N66	15	15MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N66	15	15MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N66	15	15MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N66	15	20MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N66	15	20MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N66	15	25MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N66	15	25MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N66	15	25MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N66	15	25MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N66	15	30MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N66	15	30MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N66	15	30MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N66	15	30MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS
N66	15	40MHz	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N66	15	40MHz	DFT-QPSK	L	Outer_Full	See Graph	PASS
N66	15	40MHz	DFT-QPSK	H	Edge_1RB-Right	See Graph	PASS
N66	15	40MHz	DFT-QPSK	H	Outer_Full	See Graph	PASS

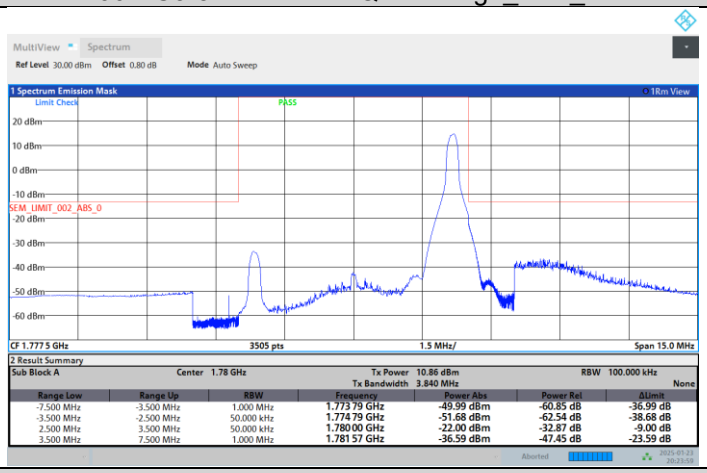
Test Graphs



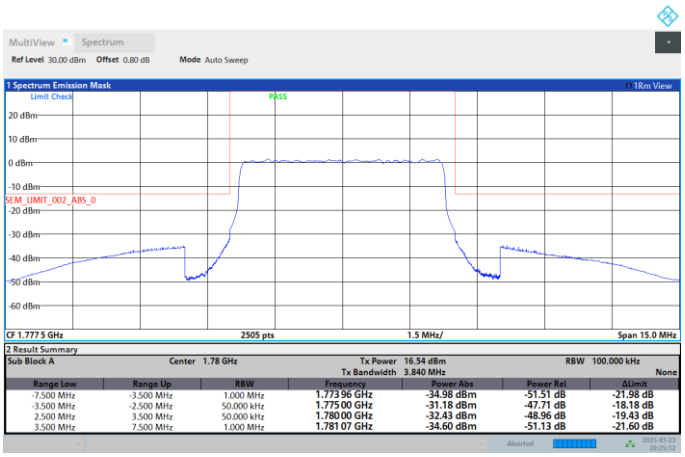
N66-PC3-5MHz-L-DFT-QPSK-Edge_1RB_Left



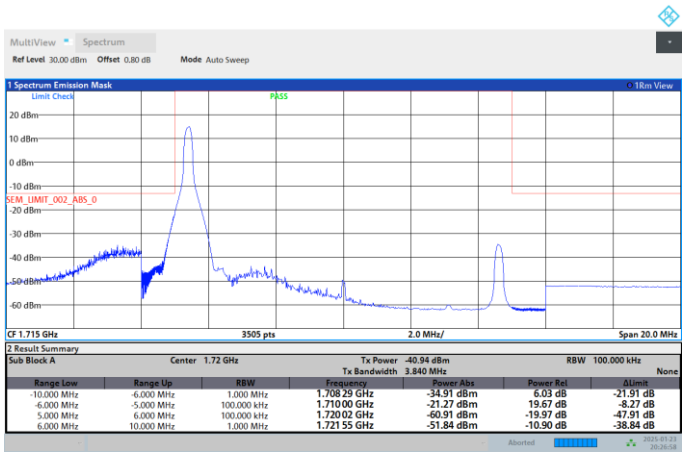
N66-PC3-5MHz-L-DFT-QPSK-Outer_Full



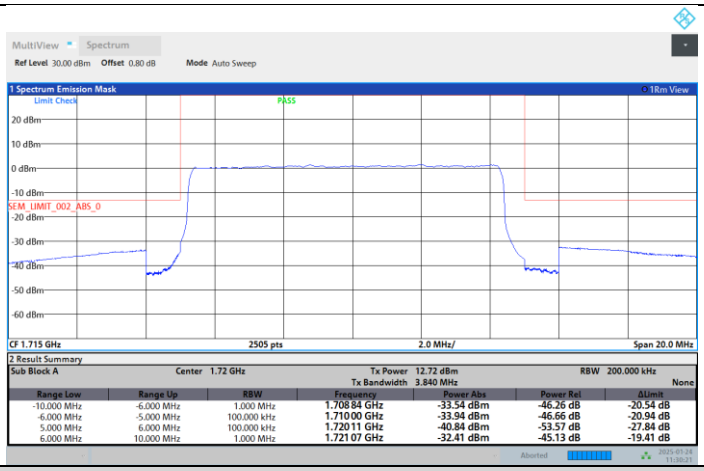
N66-PC3-5MHz-H-DFT-QPSK-Edge_1RB-Right



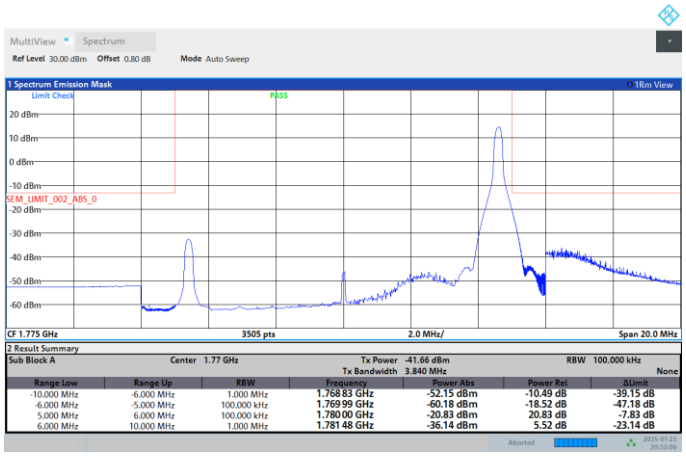
N66-PC3-5MHz-H-DFT-QPSK-Outer_Full



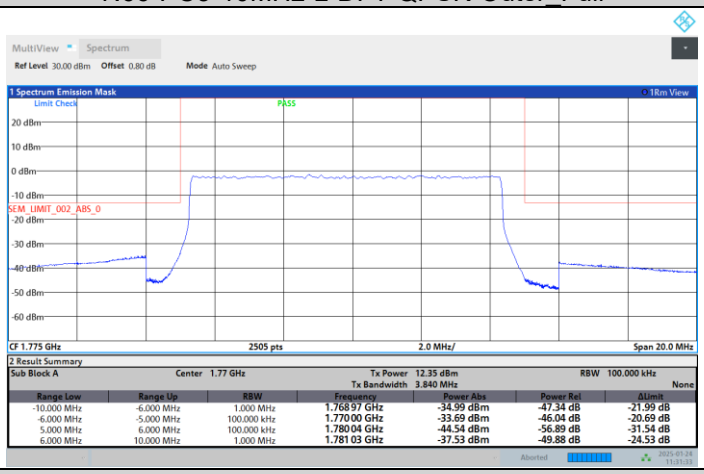
N66-PC3-10MHz-L-DFT-QPSK-Edge_1RB_Left



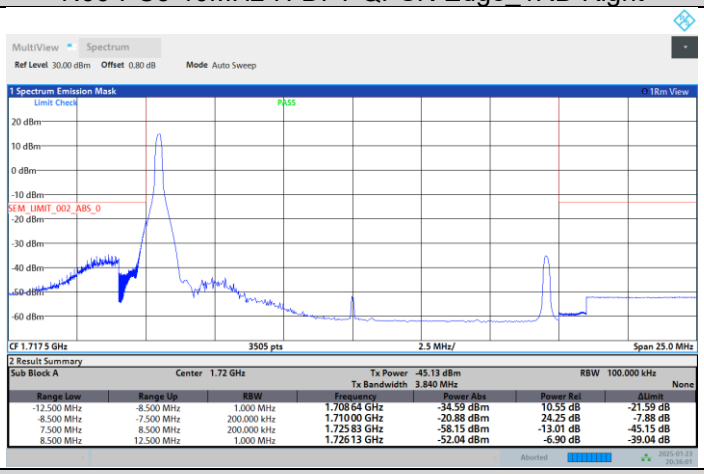
N66-PC3-10MHz-L-DFT-QPSK-Outer_Full



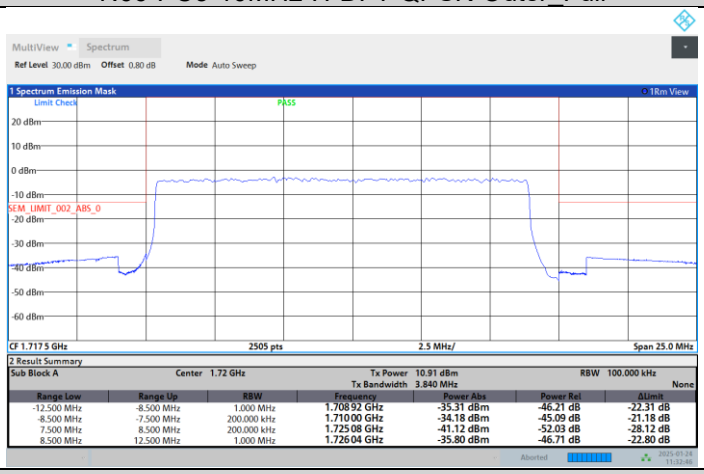
N66-PC3-10MHz-H-DFT-QPSK-Edge_1RB-Right



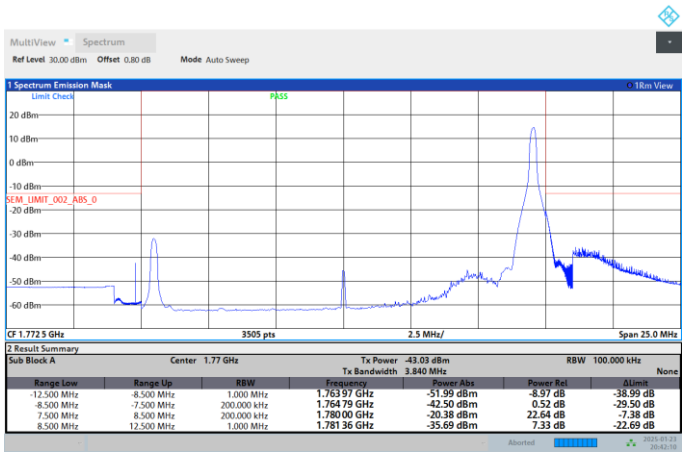
N66-PC3-10MHz-H-DFT-QPSK-Outer_Full



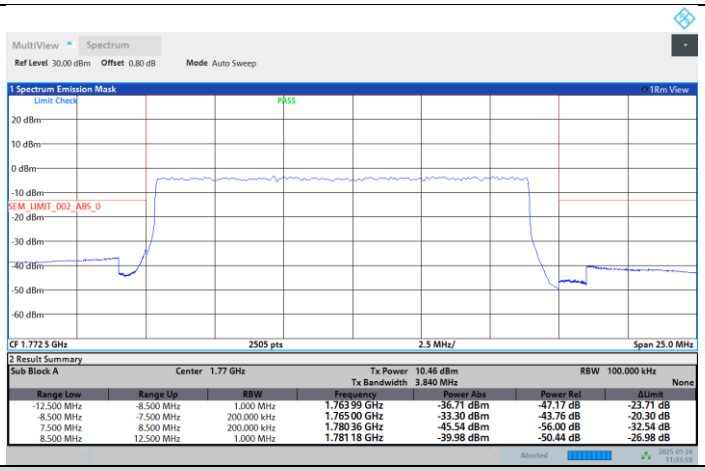
N66-PC3-15MHz-L-DFT-QPSK-Edge_1RB_Left



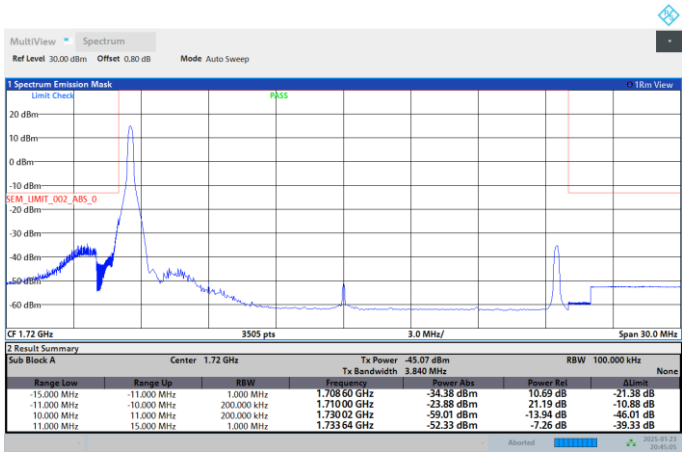
N66-PC3-15MHz-L-DFT-QPSK-Outer_Full



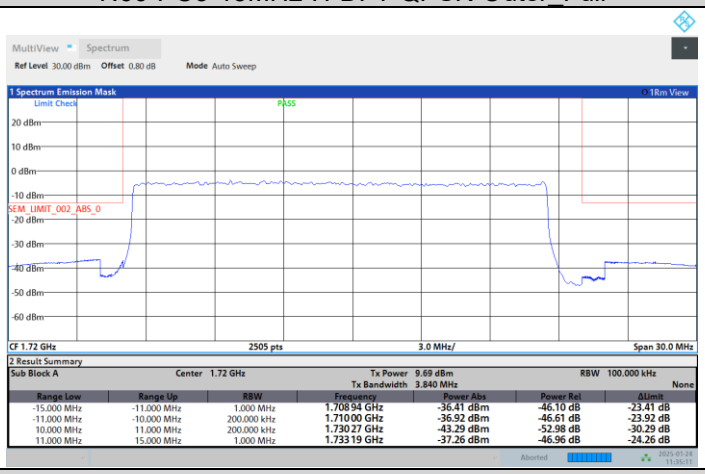
N66-PC3-15MHz-H-DFT-QPSK-Edge_1RB-Right



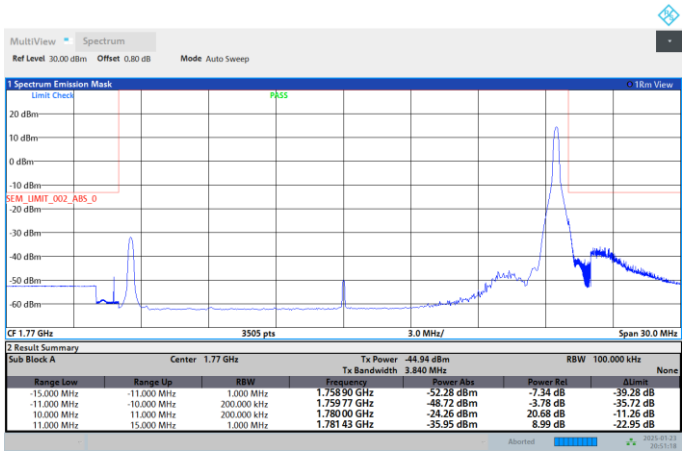
N66-PC3-15MHz-H-DFT-QPSK-Outer_Full



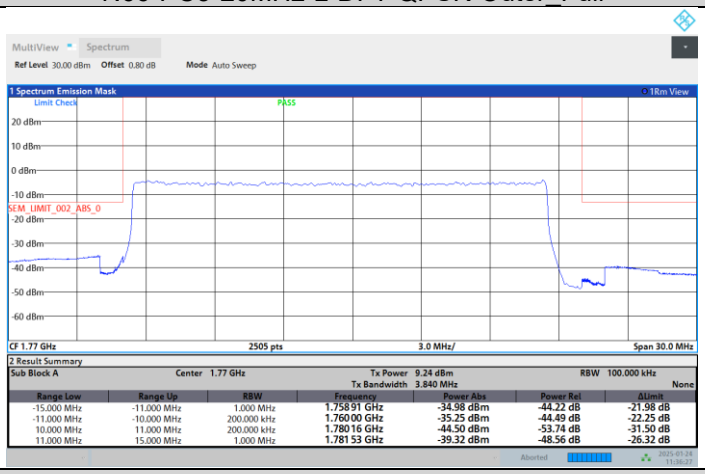
N66-PC3-20MHz-L-DFT-QPSK-Edge_1RB_Left



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



N66-PC3-20MHz-H-DFT-QPSK-Edge_1RB-Right



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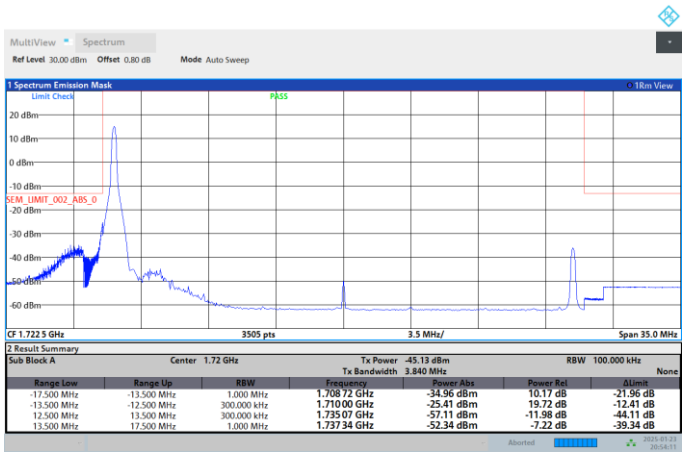
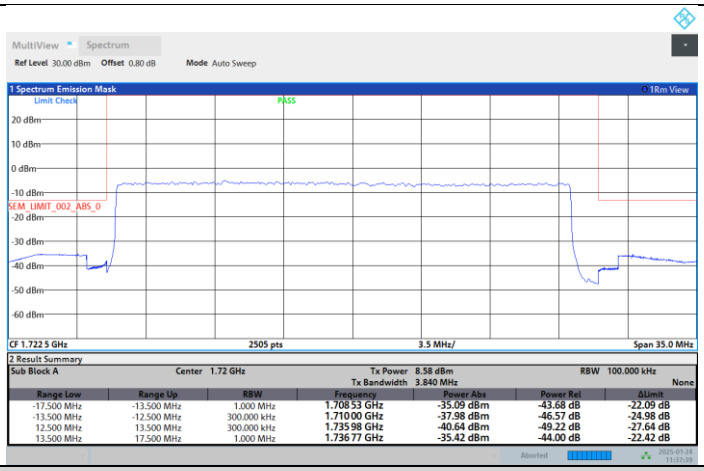
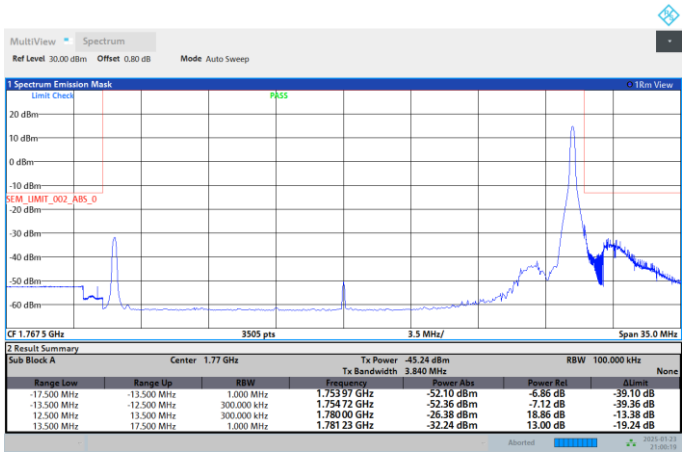


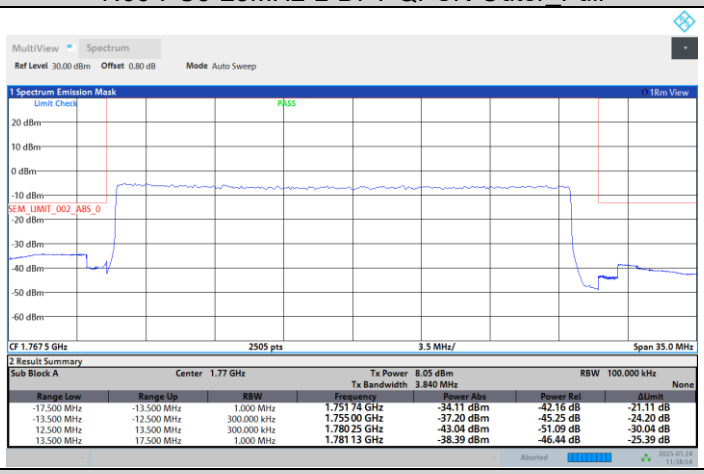
N66-PC3-25MHz-L-DFT-QPSK-Edge_1RB_Left



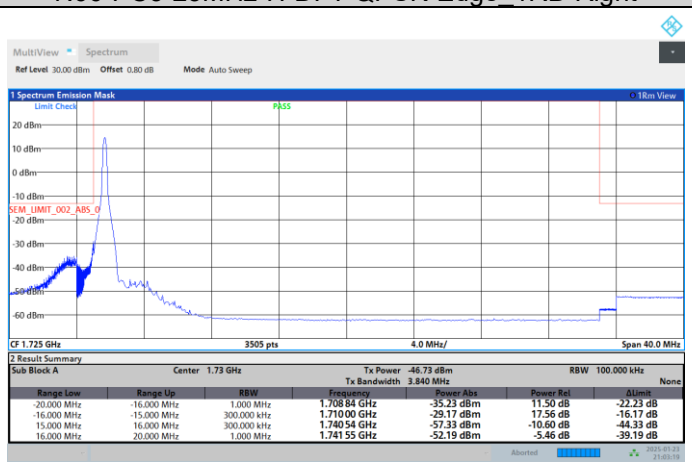
N66-PC3-25MHz-L-DFT-QPSK-Outer_Full



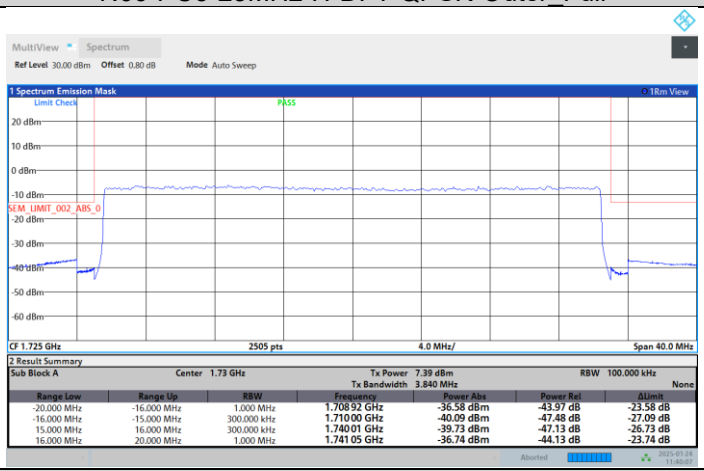
N66-PC3-25MHz-H-DFT-QPSK-Edge_1RB-Right



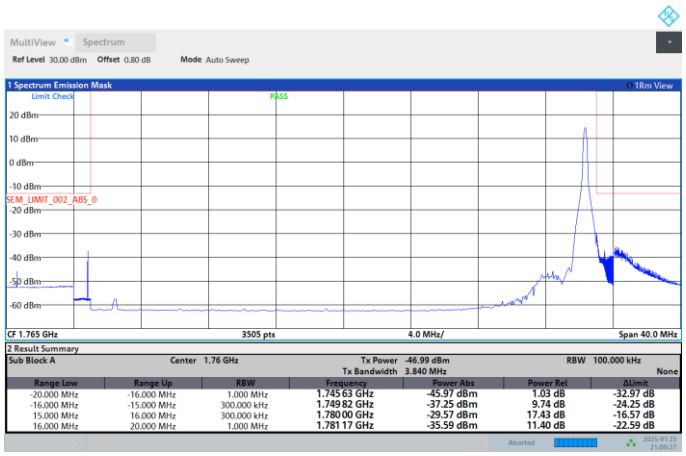
N66-PC3-25MHz-H-DFT-QPSK-Outer_Full



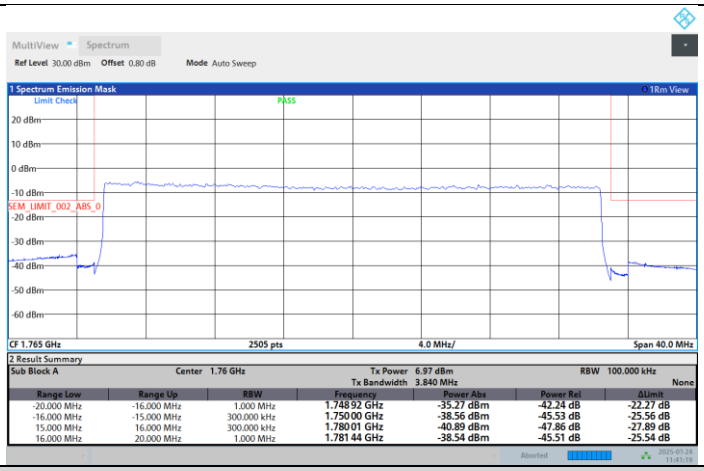
N66-PC3-30MHz-L-DFT-QPSK-Edge_1RB_Left



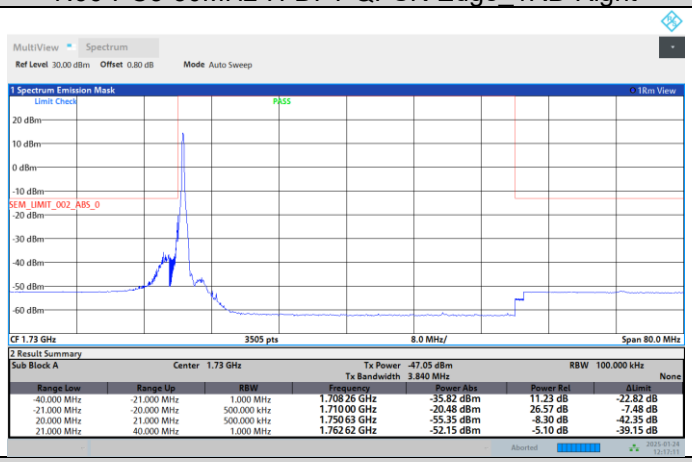
N66-PC3-30MHz-L-DFT-QPSK-Outer_Full



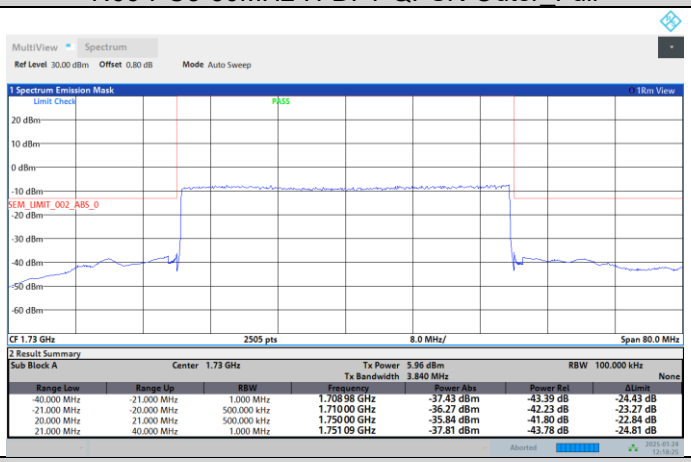
N66-PC3-30MHz-H-DFT-QPSK-Edge_1RB-Right



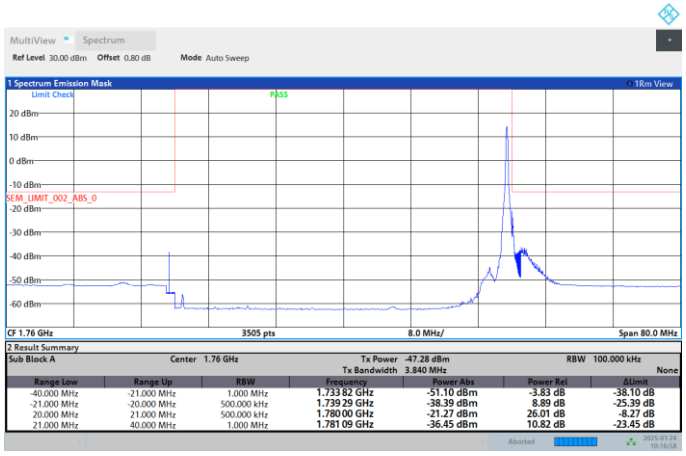
N66-PC3-30MHz-H-DFT-QPSK-Outer_Full



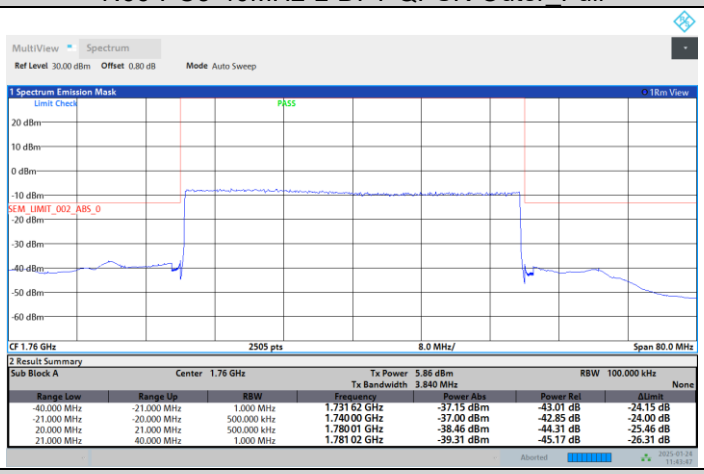
N66-PC3-40MHz-L-DFT-QPSK-Edge_1RB_Left



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



N66-PC3-40MHz-H-DFT-QPSK-Edge_1RB_Right



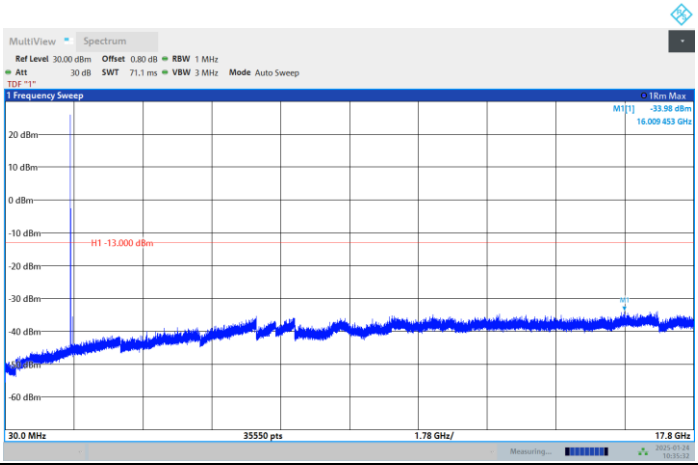
N66-PC3-40MHz-H-DFT-QPSK-Outer_Full

CONDUCTED SPURIOUS EMISSION

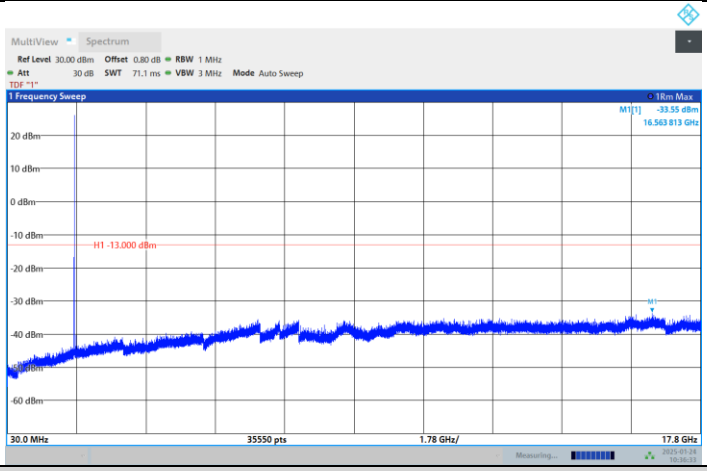
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N66	SCS	5MHz	DFT-QPSK	L	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	5MHz	DFT-QPSK	M	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	5MHz	DFT-QPSK	H	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	10MHz	DFT-QPSK	L	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	10MHz	DFT-QPSK	M	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	10MHz	DFT-QPSK	H	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	15MHz	DFT-QPSK	L	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	15MHz	DFT-QPSK	M	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	15MHz	DFT-QPSK	H	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	20MHz	DFT-QPSK	L	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	20MHz	DFT-QPSK	M	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	20MHz	DFT-QPSK	H	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	25MHz	DFT-QPSK	L	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	25MHz	DFT-QPSK	M	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	25MHz	DFT-QPSK	H	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	30MHz	DFT-QPSK	L	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	30MHz	DFT-QPSK	M	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	30MHz	DFT-QPSK	H	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	40MHz	DFT-QPSK	L	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	40MHz	DFT-QPSK	M	Edge_1RB_Left	30M~17800M	See Graph	PASS
N66	SCS	40MHz	DFT-QPSK	H	Edge_1RB_Left	30M~17800M	See Graph	PASS

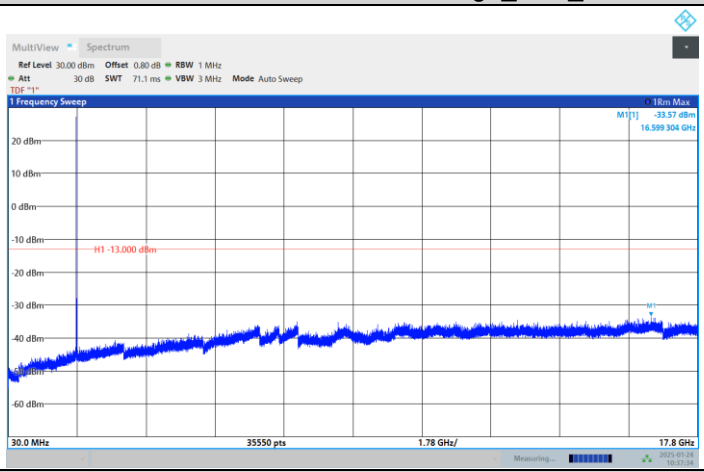
Test Graphs



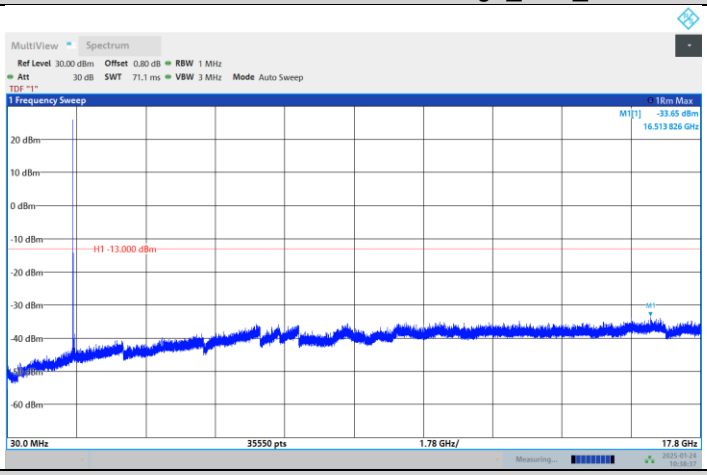
N66-PC3-5MHz-L-DFT-QPSK-Edge_1RB_Left



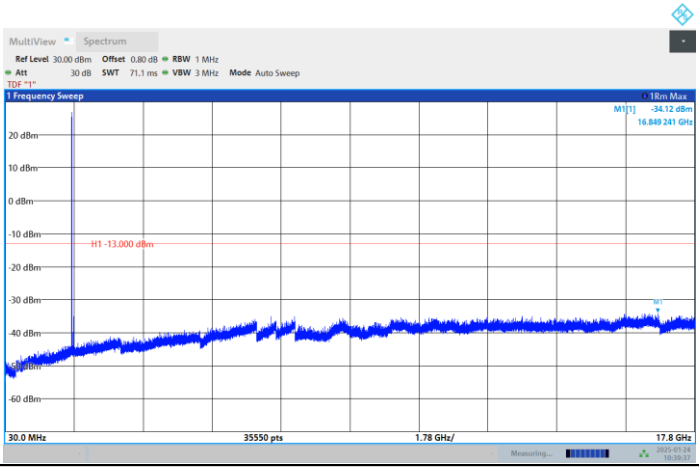
N66-PC3-5MHz-M-DFT-QPSK-Edge_1RB_Left



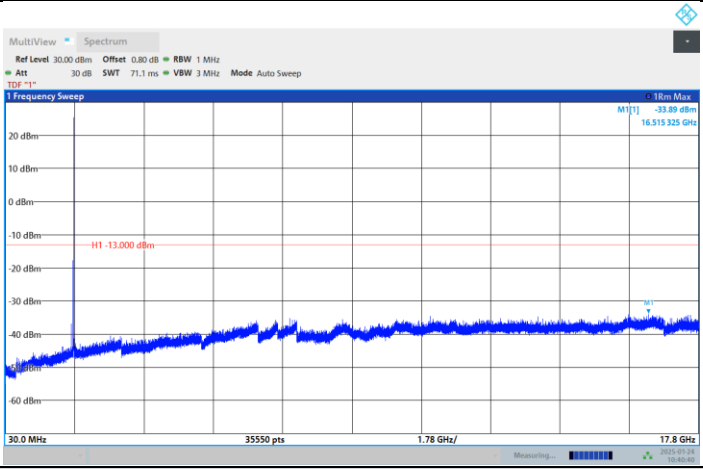
N66-PC3-5MHz-H-DFT-QPSK-Edge_1RB_Left



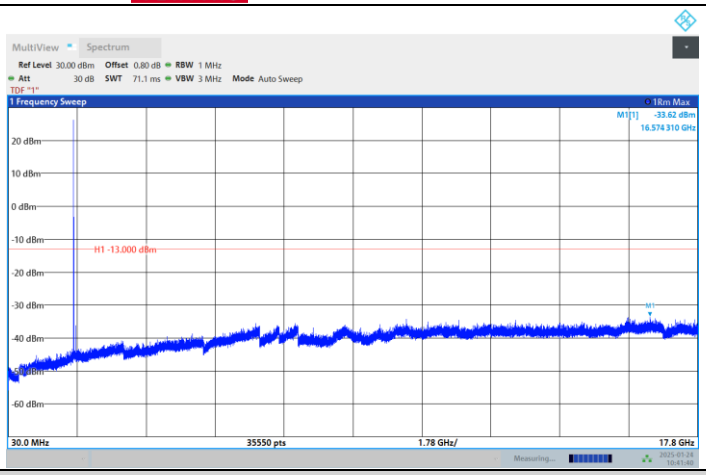
N66-PC3-10MHz-L-DFT-QPSK-Edge_1RB_Left



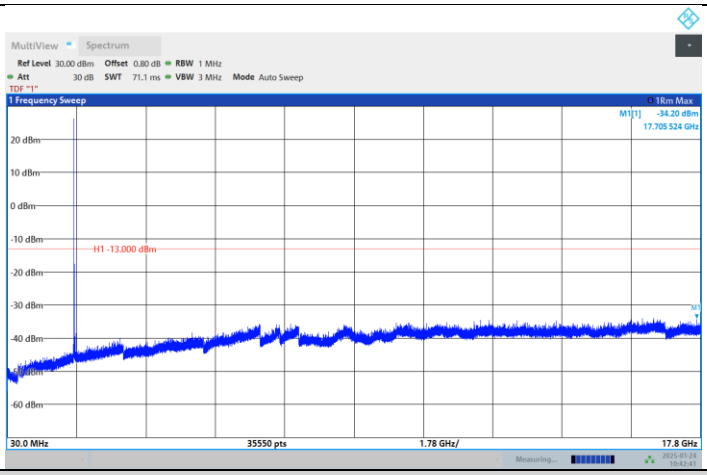
N66-PC3-10MHz-M-DFT-QPSK-Edge_1RB_Left



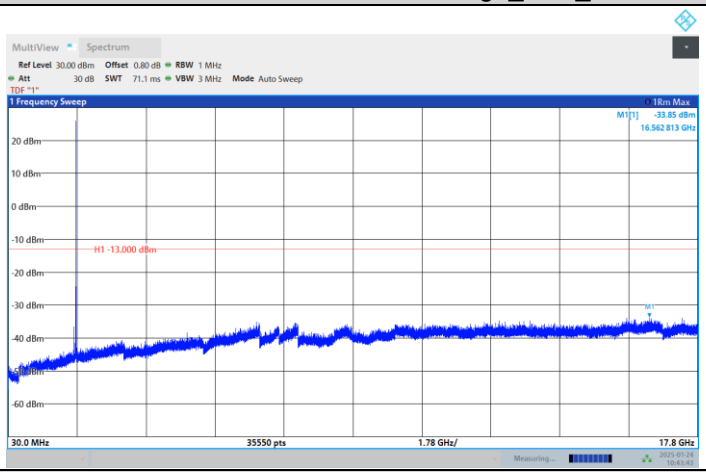
N66-PC3-10MHz-H-DFT-QPSK-Edge_1RB_Left



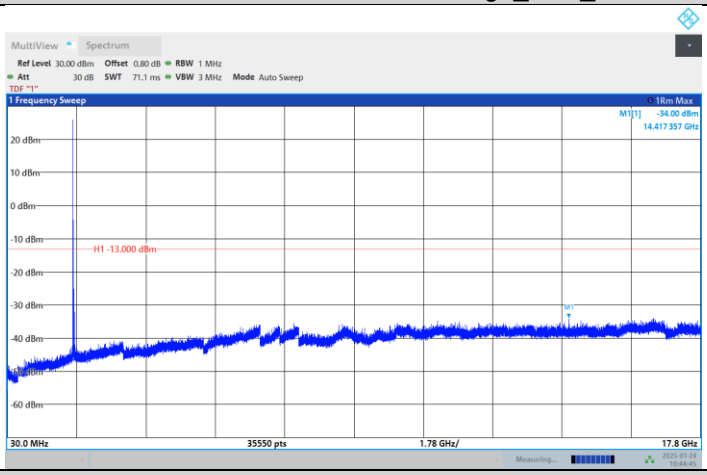
N66-PC3-15MHz-L-DFT-QPSK-Edge_1RB_Left



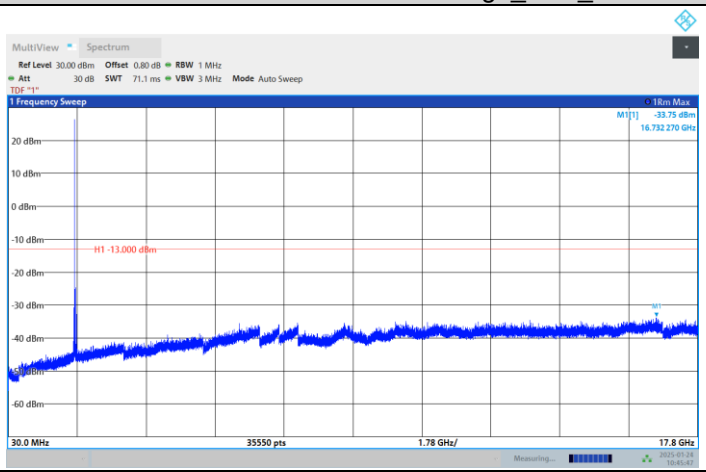
N66-PC3-15MHz-M-DFT-QPSK-Edge_1RB_Left



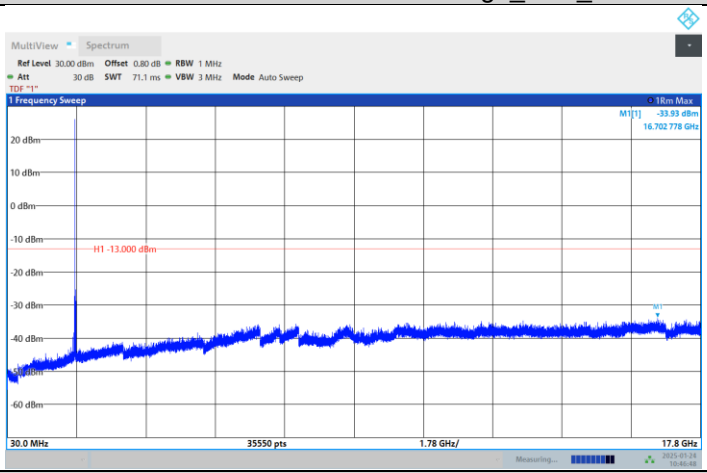
N66-PC3-15MHz-H-DFT-QPSK-Edge_1RB_Left



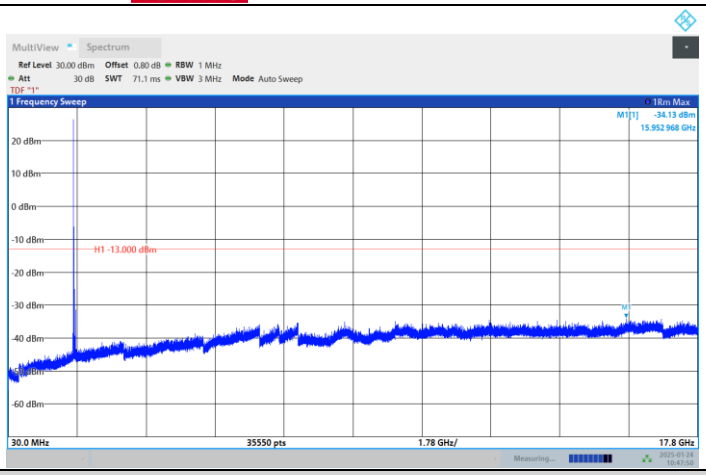
N66-PC3-20MHz-L-DFT-QPSK-Edge_1RB_Left



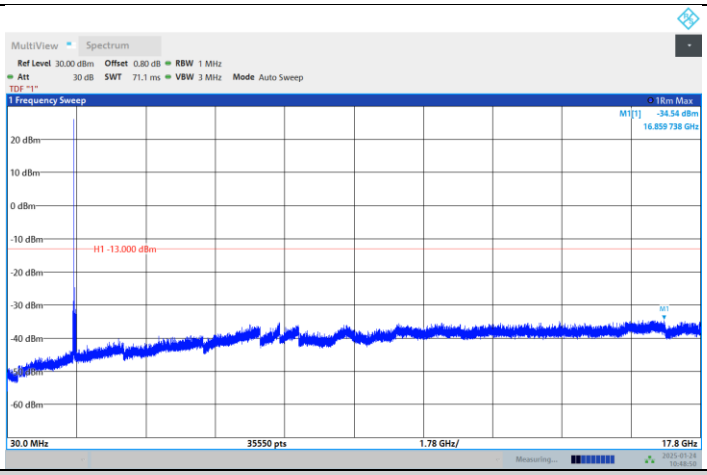
N66-PC3-20MHz-M-DFT-QPSK-Edge_1RB_Left



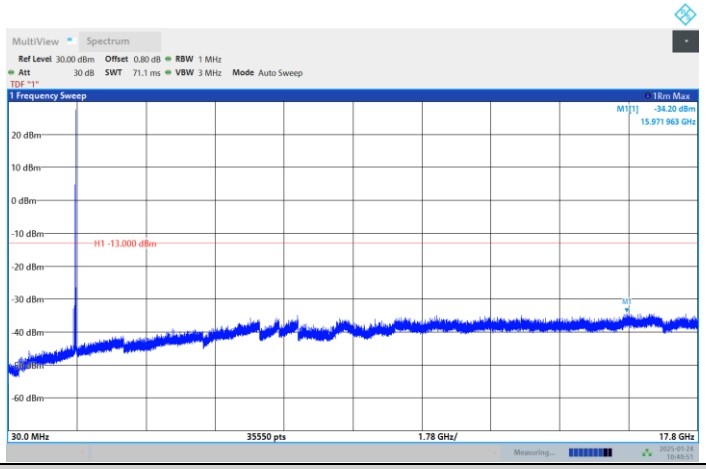
N66-PC3-20MHz-H-DFT-QPSK-Edge_1RB_Left



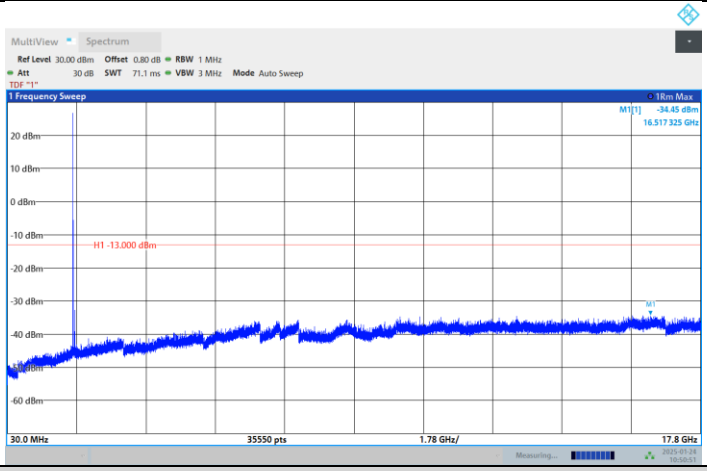
N66-PC3-25MHz-L-DFT-QPSK-Edge_1RB_Left



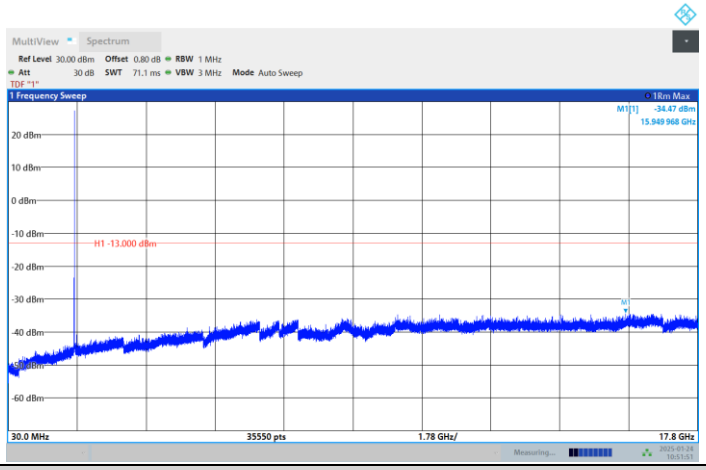
N66-PC3-25MHz-M-DFT-QPSK-Edge_1RB_Left



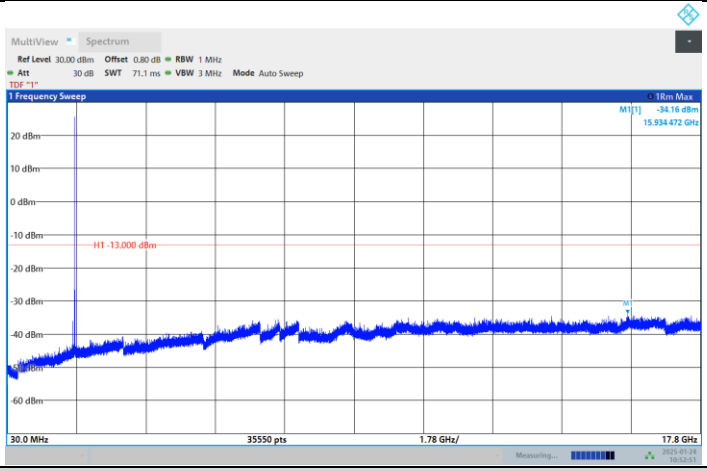
N66-PC3-25MHz-H-DFT-QPSK-Edge_1RB_Left



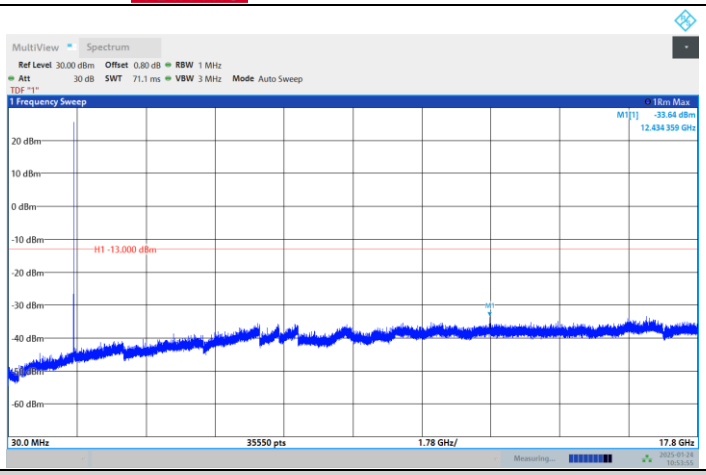
N66-PC3-30MHz-L-DFT-QPSK-Edge_1RB_Left



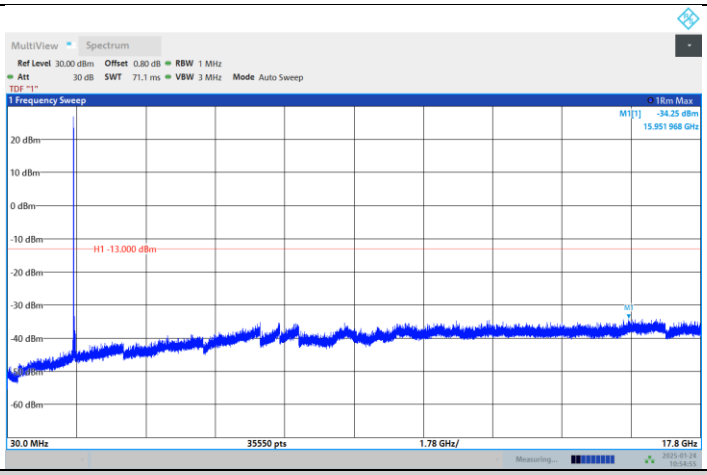
N66-PC3-30MHz-M-DFT-QPSK-Edge_1RB_Left



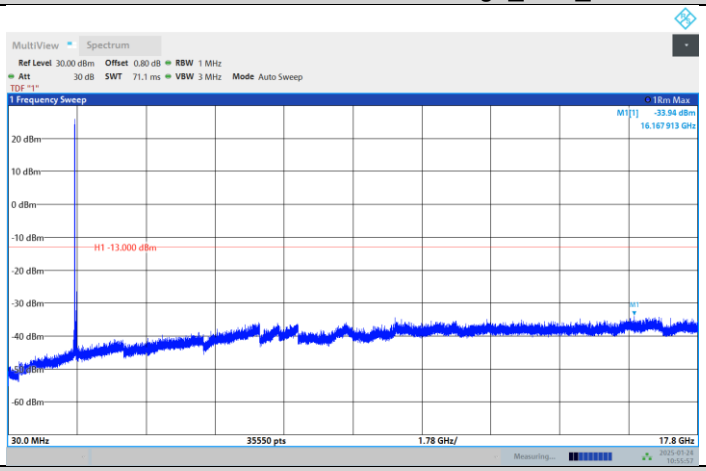
N66-PC3-30MHz-H-DFT-QPSK-Edge_1RB_Left



N66-PC3-40MHz-L-DFT-QPSK-Edge_1RB_Left



N66-PC3-40MHz-M-DFT-QPSK-Edge_1RB_Left



N66-PC3-40MHz-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
N66	15	20MHz	DFT-QPSK	L	Outer_Full	VL	NT	30.90	0.0180	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	VN	NT	-26.60	-0.0155	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	VH	NT	24.60	0.0143	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	VL	NT	-14.70	-0.0084	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	VN	NT	-5.70	-0.0033	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	VH	NT	21.30	0.0122	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	VL	NT	12.10	0.0068	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	VN	NT	-23.90	-0.0135	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	VH	NT	3.60	0.0020	±2.5	PASS

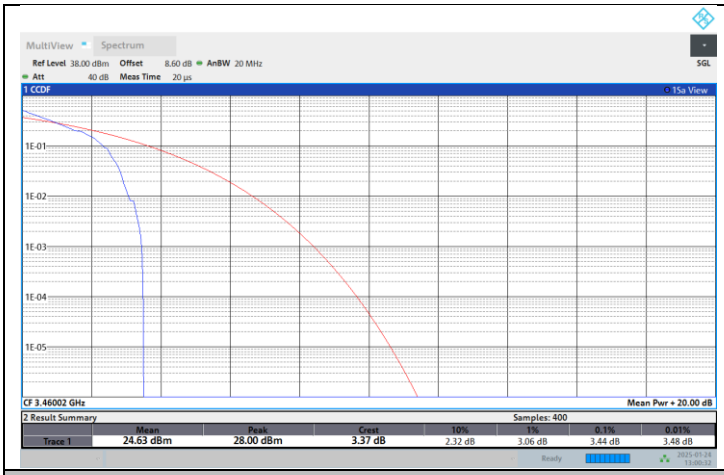
Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm	Verdict
N66	15	20MHz	DFT-QPSK	L	Outer_Full	NV	-30	-24.90	-0.0145	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	NV	-20	-32.10	-0.0187	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	NV	-10	-34.80	-0.0202	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	NV	0	-34.50	-0.0201	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	NV	10	8.40	0.0049	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	NV	20	19.70	0.0115	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	NV	30	7.20	0.0042	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	NV	40	-8.80	-0.0051	±2.5	PASS
N66	15	20MHz	DFT-QPSK	L	Outer_Full	NV	50	-34.00	-0.0198	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	NV	-30	-5.00	-0.0029	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	NV	-20	-30.20	-0.0173	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	NV	-10	-20.60	-0.0118	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	NV	0	1.60	0.0009	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	NV	10	-2.70	-0.0015	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	NV	20	28.40	0.0163	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	NV	30	-4.90	-0.0028	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	NV	40	7.20	0.0041	±2.5	PASS
N66	15	20MHz	DFT-QPSK	M	Outer_Full	NV	50	4.50	0.0026	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	NV	-30	-1.70	-0.0010	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	NV	-20	11.60	0.0066	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	NV	-10	18.40	0.0104	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	NV	0	5.90	0.0033	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	NV	10	-33.60	-0.0190	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	NV	20	-4.80	-0.0027	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	NV	30	29.70	0.0168	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	NV	40	27.60	0.0156	±2.5	PASS
N66	15	20MHz	DFT-QPSK	H	Outer_Full	NV	50	32.60	0.0184	±2.5	PASS

PEAK-TO-AVERAGE RATIO FOR SA

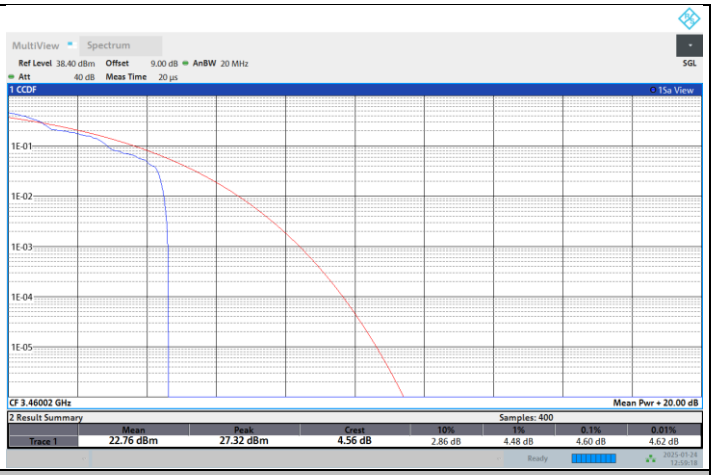
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	3.44	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Edge_1RB_Left	4.60	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	5.70	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Edge_1RB_Left	4.22	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	5.98	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Edge_1RB_Left	4.22	≤13	PASS

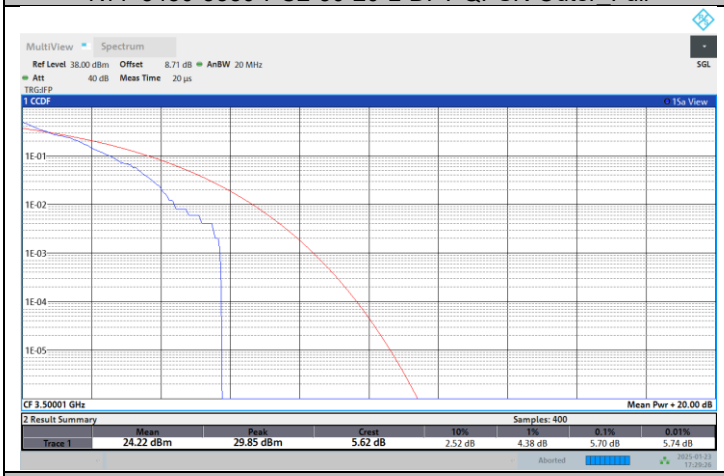
Test Graphs



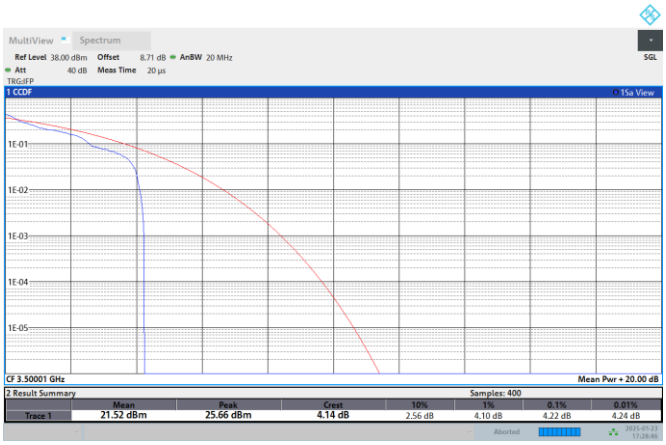
N77-3450-3550-PC2-30-20-L-DFT-QPSK-Outer_Full



N77-3450-3550-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left

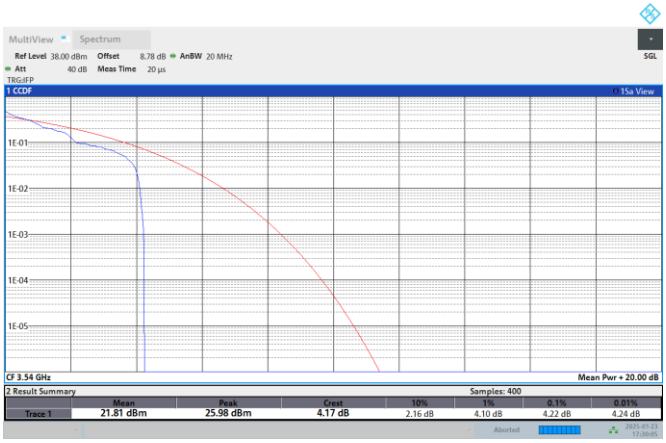


N77-3450-3550-PC2-30-20-M-DFT-QPSK-Outer_Full



N77-3450-3550-PC2-30-20-M-DFT-QPSK-Edge_1RB_Left

N77-3450-3550-PC2-30-20-H-DFT-QPSK-Outer_Ful



N77-3450-3550-PC2-30-20-H-DFT-QPSK-Edge_1RB_Left

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3450-3550	30	10	DFT-PI2BPSK	M	Outer_Full	8.727	9.98	PASS
N77-3450-3550	30	10	DFT-QPSK	M	Outer_Full	8.770	10.04	PASS
N77-3450-3550	30	10	DFT-16QAM	M	Outer_Full	8.709	10.16	PASS
N77-3450-3550	30	10	DFT-64QAM	M	Outer_Full	8.746	9.95	PASS
N77-3450-3550	30	10	DFT-256QAM	M	Outer_Full	8.686	10.13	PASS
N77-3450-3550	30	15	DFT-PI2BPSK	M	Outer_Full	13.077	14.61	PASS
N77-3450-3550	30	15	DFT-QPSK	M	Outer_Full	13.114	14.70	PASS
N77-3450-3550	30	15	DFT-16QAM	M	Outer_Full	13.109	14.84	PASS
N77-3450-3550	30	15	DFT-64QAM	M	Outer_Full	13.082	14.65	PASS
N77-3450-3550	30	15	DFT-256QAM	M	Outer_Full	13.053	14.70	PASS
N77-3450-3550	30	20	DFT-PI2BPSK	M	Outer_Full	18.137	20.14	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	18.182	20.14	PASS
N77-3450-3550	30	20	DFT-16QAM	M	Outer_Full	18.164	20.08	PASS
N77-3450-3550	30	20	DFT-64QAM	M	Outer_Full	18.208	20.26	PASS
N77-3450-3550	30	20	DFT-256QAM	M	Outer_Full	18.130	20.14	PASS
N77-3450-3550	30	30	DFT-PI2BPSK	M	Outer_Full	26.996	29.04	PASS
N77-3450-3550	30	30	DFT-QPSK	M	Outer_Full	26.996	29.13	PASS
N77-3450-3550	30	30	DFT-16QAM	M	Outer_Full	27.001	29.04	PASS
N77-3450-3550	30	30	DFT-64QAM	M	Outer_Full	27.007	29.40	PASS
N77-3450-3550	30	30	DFT-256QAM	M	Outer_Full	27.057	29.22	PASS
N77-3450-3550	30	40	DFT-PI2BPSK	M	Outer_Full	36.175	38.96	PASS
N77-3450-3550	30	40	DFT-QPSK	M	Outer_Full	36.174	39.08	PASS
N77-3450-3550	30	40	DFT-16QAM	M	Outer_Full	36.116	39.20	PASS
N77-3450-3550	30	40	DFT-64QAM	M	Outer_Full	36.144	39.08	PASS
N77-3450-3550	30	40	DFT-256QAM	M	Outer_Full	36.062	39.08	PASS
N77-3450-3550	30	50	DFT-PI2BPSK	M	Outer_Full	46.156	49.00	PASS
N77-3450-3550	30	50	DFT-QPSK	M	Outer_Full	46.059	48.85	PASS
N77-3450-3550	30	50	DFT-16QAM	M	Outer_Full	46.045	48.85	PASS
N77-3450-3550	30	50	DFT-64QAM	M	Outer_Full	46.145	49.00	PASS
N77-3450-3550	30	50	DFT-256QAM	M	Outer_Full	46.138	49.15	PASS
N77-3450-3550	30	60	DFT-PI2BPSK	M	Outer_Full	58.054	61.14	PASS
N77-3450-3550	30	60	DFT-QPSK	M	Outer_Full	58.172	61.32	PASS
N77-3450-3550	30	60	DFT-16QAM	M	Outer_Full	58.149	61.50	PASS
N77-3450-3550	30	60	DFT-64QAM	M	Outer_Full	58.238	61.32	PASS
N77-3450-3550	30	60	DFT-256QAM	M	Outer_Full	58.173	61.32	PASS
N77-3450-3550	30	70	DFT-PI2BPSK	M	Outer_Full	64.707	68.18	PASS
N77-3450-3550	30	70	DFT-QPSK	M	Outer_Full	64.604	67.76	PASS
N77-3450-3550	30	70	DFT-16QAM	M	Outer_Full	64.547	67.55	PASS
N77-3450-3550	30	70	DFT-64QAM	M	Outer_Full	64.730	67.55	PASS
N77-3450-3550	30	70	DFT-256QAM	M	Outer_Full	64.690	67.97	PASS
N77-3450-3550	30	80	DFT-PI2BPSK	M	Outer_Full	77.946	82.72	PASS
N77-3450-3550	30	80	DFT-QPSK	M	Outer_Full	77.749	82.48	PASS
N77-3450-3550	30	80	DFT-16QAM	M	Outer_Full	77.846	82.48	PASS
N77-3450-3550	30	80	DFT-64QAM	M	Outer_Full	77.855	82.96	PASS
N77-3450-3550	30	80	DFT-256QAM	M	Outer_Full	77.903	82.96	PASS
N77-3450-3550	30	90	DFT-PI2BPSK	M	Outer_Full	86.505	91.17	PASS
N77-3450-3550	30	90	DFT-QPSK	M	Outer_Full	86.356	91.98	PASS
N77-3450-3550	30	90	DFT-16QAM	M	Outer_Full	86.304	91.71	PASS
N77-3450-3550	30	90	DFT-64QAM	M	Outer_Full	87.290	91.71	PASS
N77-3450-3550	30	90	DFT-256QAM	M	Outer_Full	86.475	91.17	PASS

N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	97.061	101.90	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Outer_Full	97.249	102.20	PASS
N77-3450-3550	30	100	DFT-16QAM	M	Outer_Full	97.035	102.50	PASS
N77-3450-3550	30	100	DFT-64QAM	M	Outer_Full	96.875	101.90	PASS
N77-3450-3550	30	100	DFT-256QAM	M	Outer_Full	96.870	101.90	PASS