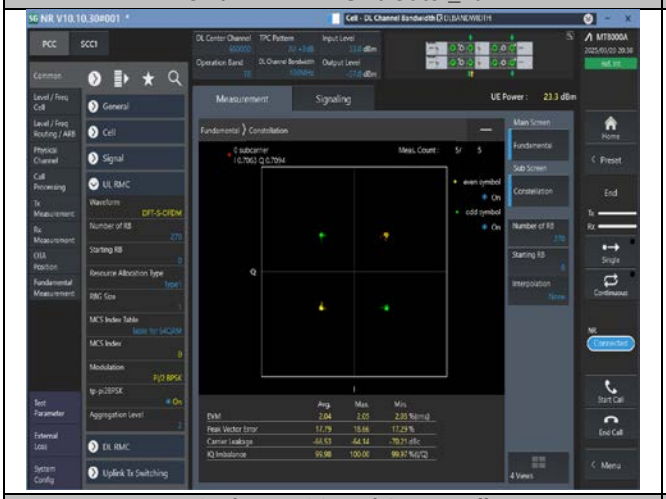
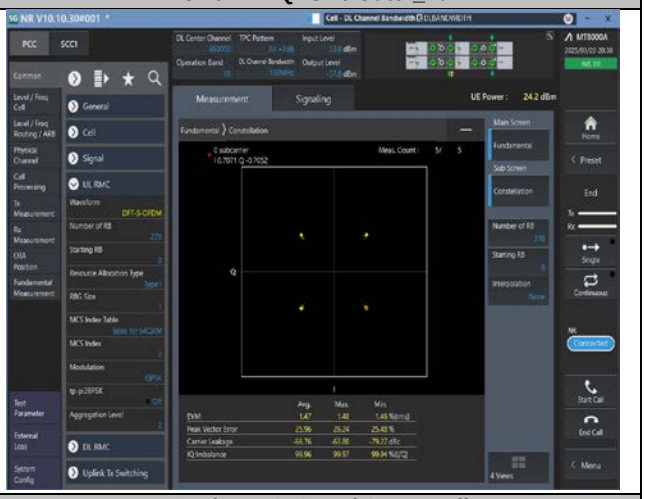
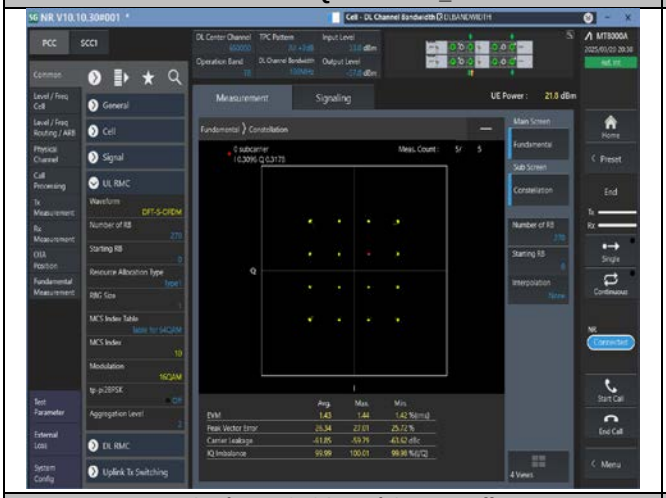
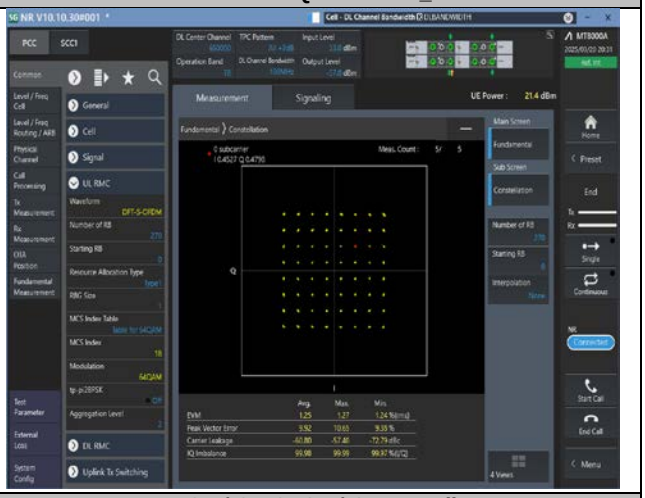
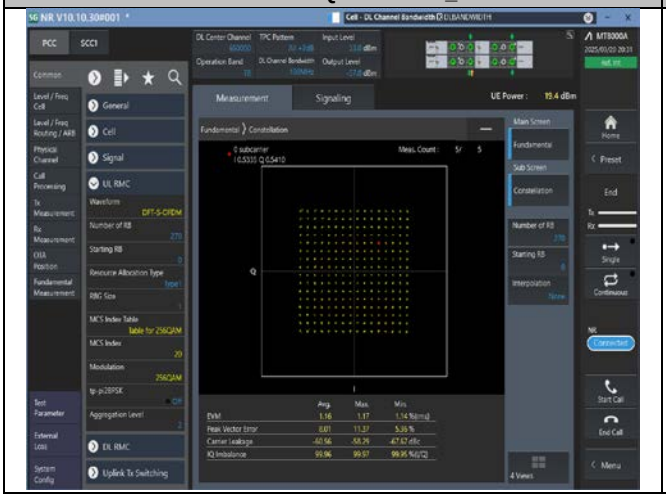
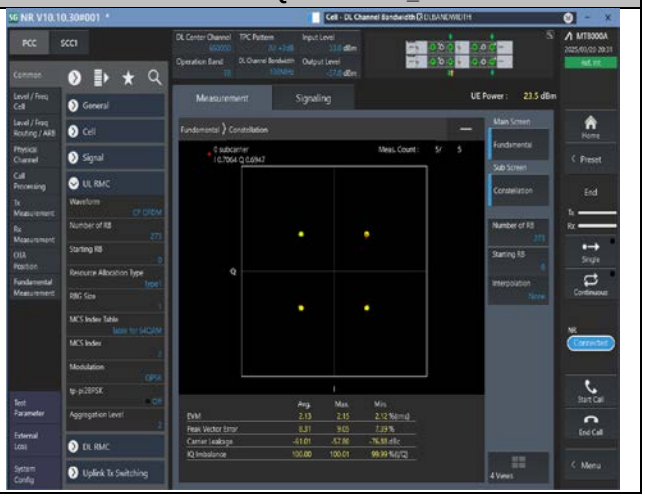
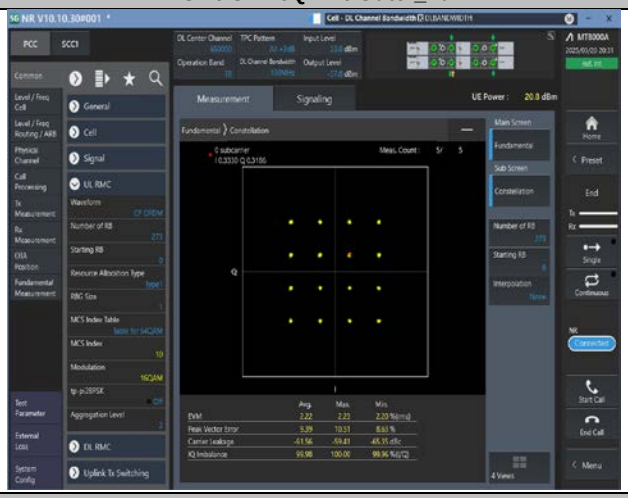
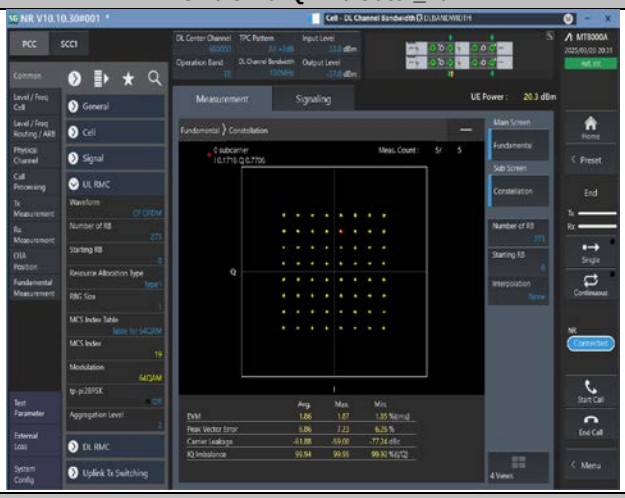
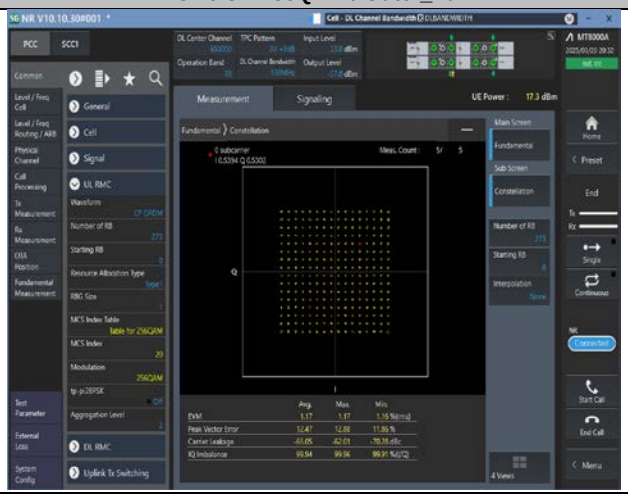
3. Modulation Characteristics

3.1. Test Plots for SCS=30KHz

n78A / 30KHz / 100MHz	
MCH / DFT-Pi2BPSK / Outer_Full	MCH / DFT-QPSK / Outer_Full
	
MCH / DFT-16QAM / Outer_Full	MCH / DFT-64QAM / Outer_Full
	
MCH / DFT-256QAM / Outer_Full	MCH / CP-QPSK / Outer_Full
	

MCH / CP-16QAM / Outer_Full	MCH / CP-64QAM / Outer_Full
	
MCH / CP-256QAM / Outer_Full	
	*Intentionally Blank*

4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

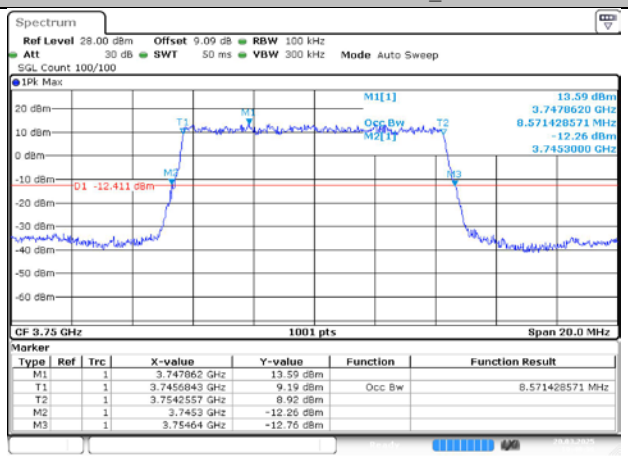
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
30KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.57	9.34	Pass
30KHz	10MHz	DFT-QPSK	Outer_Full	8.57	9.10	Pass
30KHz	10MHz	CP-QPSK	Outer_Full	8.55	9.32	Pass
30KHz	10MHz	CP-16QAM	Outer_Full	8.57	9.28	Pass
30KHz	10MHz	CP-64QAM	Outer_Full	8.57	9.32	Pass
30KHz	10MHz	CP-256QAM	Outer_Full	8.59	9.24	Pass
30KHz	15MHz	DFT-Pi2BPSK	Outer_Full	12.89	13.83	Pass
30KHz	15MHz	DFT-QPSK	Outer_Full	12.89	13.71	Pass
30KHz	15MHz	CP-QPSK	Outer_Full	13.58	14.52	Pass
30KHz	15MHz	CP-16QAM	Outer_Full	13.58	14.55	Pass
30KHz	15MHz	CP-64QAM	Outer_Full	13.64	14.58	Pass
30KHz	15MHz	CP-256QAM	Outer_Full	13.61	14.58	Pass
30KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.76	Pass
30KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.84	Pass
30KHz	20MHz	CP-QPSK	Outer_Full	18.18	19.20	Pass
30KHz	20MHz	CP-16QAM	Outer_Full	18.22	19.24	Pass
30KHz	20MHz	CP-64QAM	Outer_Full	18.18	19.20	Pass
30KHz	20MHz	CP-256QAM	Outer_Full	18.18	19.20	Pass
30KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	24.10	Pass
30KHz	25MHz	DFT-QPSK	Outer_Full	22.78	24.10	Pass
30KHz	25MHz	CP-QPSK	Outer_Full	23.13	24.45	Pass
30KHz	25MHz	CP-16QAM	Outer_Full	23.23	24.45	Pass

30KHz	25MHz	CP-64QAM	Outer_Full	23.23	24.35	Pass
30KHz	25MHz	CP-256QAM	Outer_Full	23.18	24.45	Pass
30KHz	30MHz	DFT-Pi2BPSK	Outer_Full	26.79	28.32	Pass
30KHz	30MHz	DFT-QPSK	Outer_Full	26.79	28.32	Pass
30KHz	30MHz	CP-QPSK	Outer_Full	27.75	29.40	Pass
30KHz	30MHz	CP-16QAM	Outer_Full	27.87	29.28	Pass
30KHz	30MHz	CP-64QAM	Outer_Full	27.75	29.28	Pass
30KHz	30MHz	CP-256QAM	Outer_Full	27.87	29.40	Pass
30KHz	40MHz	DFT-Pi2BPSK	Outer_Full	35.80	37.60	Pass
30KHz	40MHz	DFT-QPSK	Outer_Full	35.72	37.60	Pass
30KHz	40MHz	CP-QPSK	Outer_Full	37.72	39.68	Pass
30KHz	40MHz	CP-16QAM	Outer_Full	37.80	39.76	Pass
30KHz	40MHz	CP-64QAM	Outer_Full	37.80	39.68	Pass
30KHz	40MHz	CP-256QAM	Outer_Full	37.80	39.76	Pass
30KHz	50MHz	DFT-Pi2BPSK	Outer_Full	45.65	47.70	Pass
30KHz	50MHz	DFT-QPSK	Outer_Full	45.75	47.80	Pass
30KHz	50MHz	CP-QPSK	Outer_Full	47.45	49.50	Pass
30KHz	50MHz	CP-16QAM	Outer_Full	47.45	49.60	Pass
30KHz	50MHz	CP-64QAM	Outer_Full	47.55	49.50	Pass
30KHz	50MHz	CP-256QAM	Outer_Full	47.45	49.50	Pass
30KHz	60MHz	DFT-Pi2BPSK	Outer_Full	57.90	60.60	Pass
30KHz	60MHz	DFT-QPSK	Outer_Full	57.90	60.72	Pass
30KHz	60MHz	CP-QPSK	Outer_Full	57.78	60.72	Pass
30KHz	60MHz	CP-16QAM	Outer_Full	57.66	60.60	Pass
30KHz	60MHz	CP-64QAM	Outer_Full	58.02	60.72	Pass
30KHz	60MHz	CP-256QAM	Outer_Full	57.78	60.72	Pass
30KHz	70MHz	DFT-Pi2BPSK	Outer_Full	64.34	67.20	Pass
30KHz	70MHz	DFT-QPSK	Outer_Full	64.34	67.20	Pass
30KHz	70MHz	CP-QPSK	Outer_Full	67.55	70.42	Pass
30KHz	70MHz	CP-16QAM	Outer_Full	67.41	70.28	Pass
30KHz	70MHz	CP-64QAM	Outer_Full	67.41	70.56	Pass
30KHz	70MHz	CP-256QAM	Outer_Full	67.41	70.56	Pass
30KHz	80MHz	DFT-Pi2BPSK	Outer_Full	77.20	80.16	Pass
30KHz	80MHz	DFT-QPSK	Outer_Full	77.04	80.16	Pass
30KHz	80MHz	CP-QPSK	Outer_Full	77.36	80.80	Pass
30KHz	80MHz	CP-16QAM	Outer_Full	77.36	80.64	Pass
30KHz	80MHz	CP-64QAM	Outer_Full	77.52	80.48	Pass
30KHz	80MHz	CP-256QAM	Outer_Full	77.36	80.64	Pass
30KHz	90MHz	DFT-Pi2BPSK	Outer_Full	86.67	90.00	Pass
30KHz	90MHz	DFT-QPSK	Outer_Full	86.67	90.18	Pass
30KHz	90MHz	CP-QPSK	Outer_Full	87.39	90.54	Pass
30KHz	90MHz	CP-16QAM	Outer_Full	87.21	90.54	Pass
30KHz	90MHz	CP-64QAM	Outer_Full	87.39	90.72	Pass
30KHz	90MHz	CP-256QAM	Outer_Full	87.39	90.72	Pass
30KHz	100MHz	DFT-Pi2BPSK	Outer_Full	96.30	99.80	Pass
30KHz	100MHz	DFT-QPSK	Outer_Full	96.30	99.80	Pass
30KHz	100MHz	CP-QPSK	Outer_Full	97.50	101.00	Pass
30KHz	100MHz	CP-16QAM	Outer_Full	97.10	100.60	Pass
30KHz	100MHz	CP-64QAM	Outer_Full	97.30	100.80	Pass
30KHz	100MHz	CP-256QAM	Outer_Full	97.50	100.80	Pass

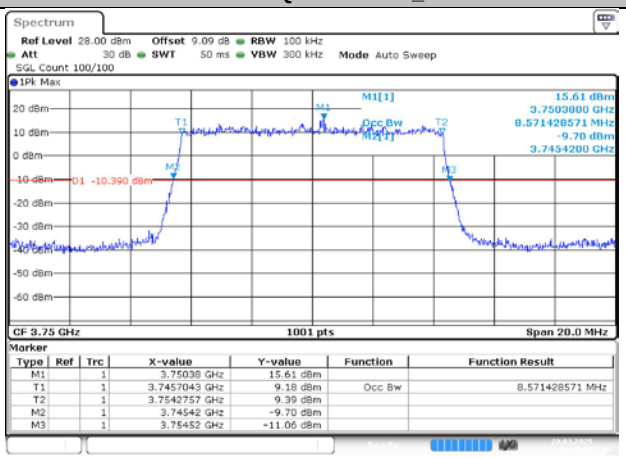
4.2. Test Plots for SCS=30KHz

n78A / 30KHz / 10MHz

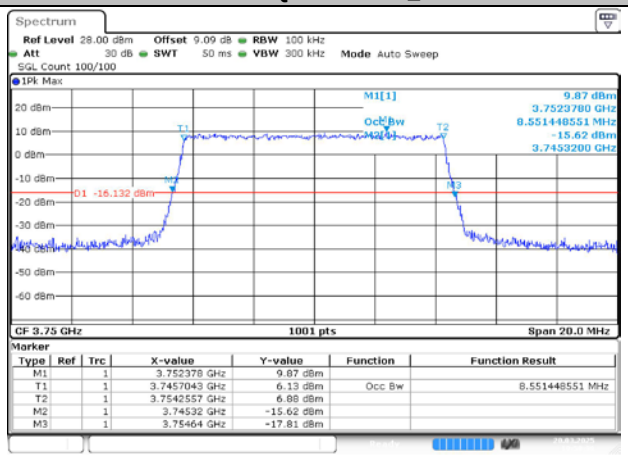
MCH / DFT-Pi2BPSK / Outer_Full



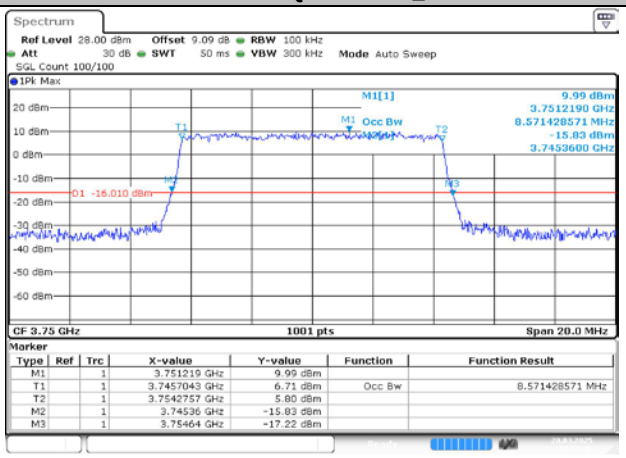
MCH / DFT-QPSK / Outer_Full



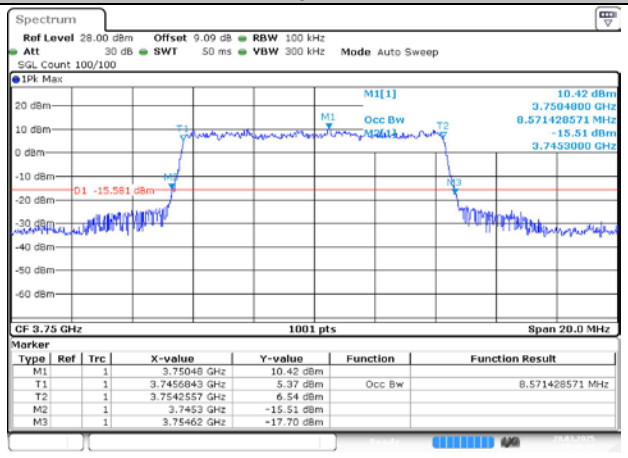
MCH / CP-QPSK / Outer_Full



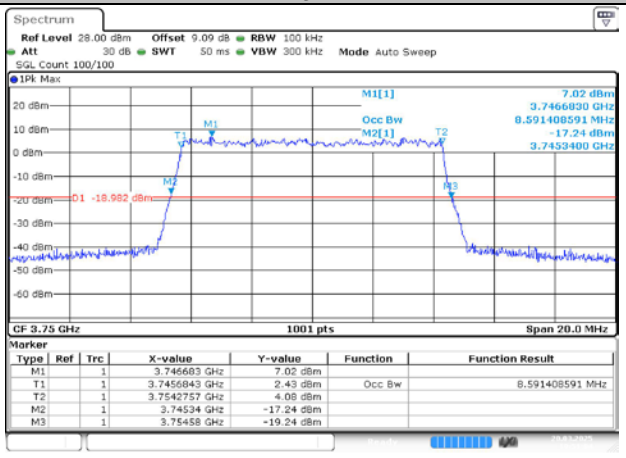
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

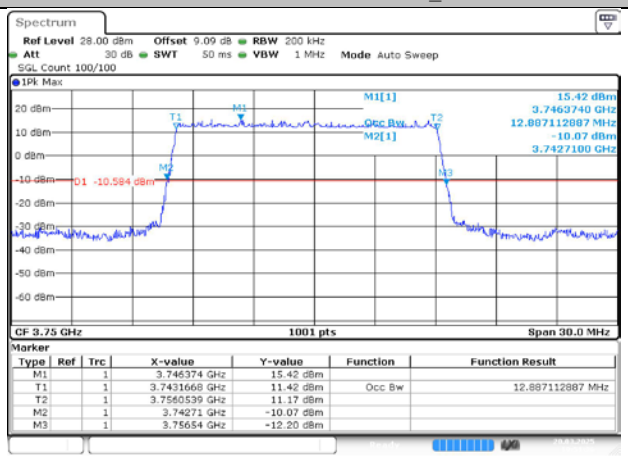


MCH / CP-256QAM / Outer_Full

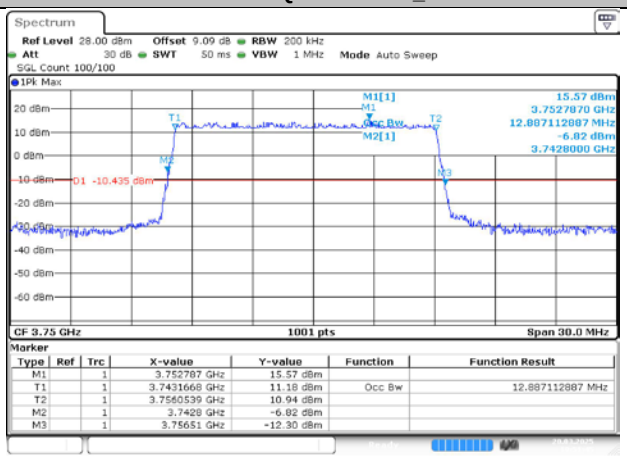


n78A / 30KHz / 15MHz

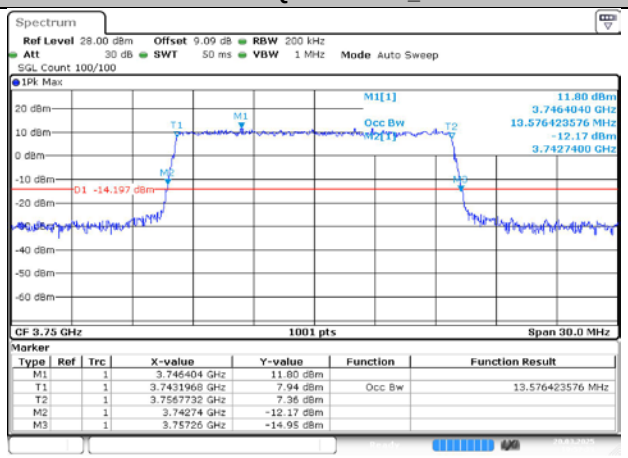
MCH / DFT-Pi2BPSK / Outer_Full



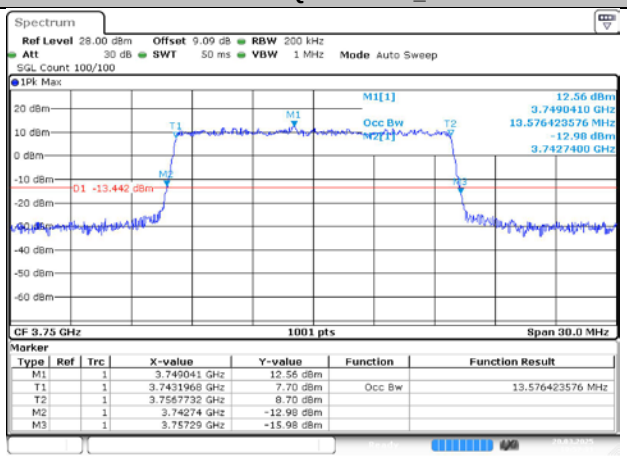
MCH / DFT-QPSK / Outer_Full



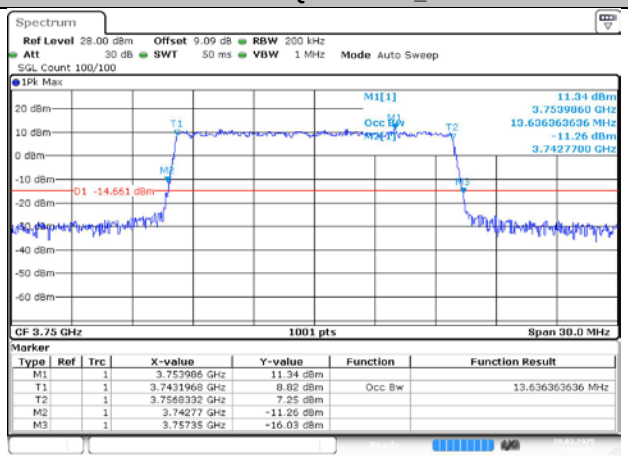
MCH / CP-QPSK / Outer_Full



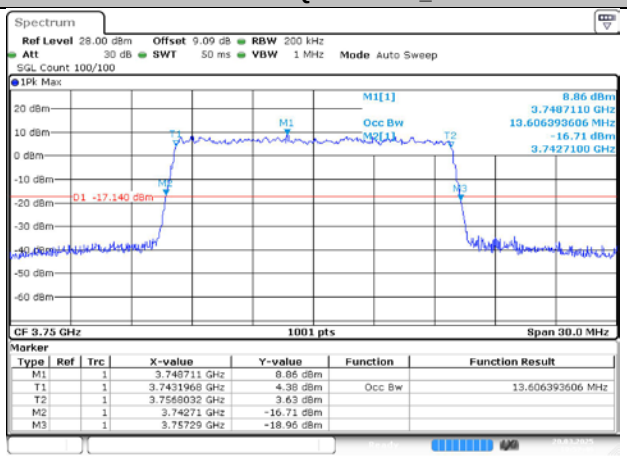
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

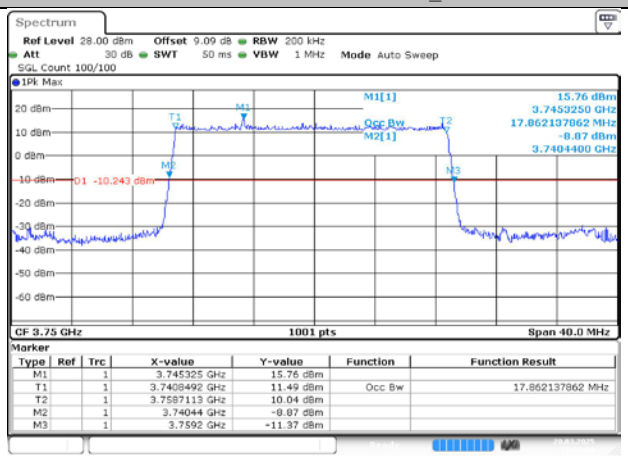


MCH / CP-256QAM / Outer_Full

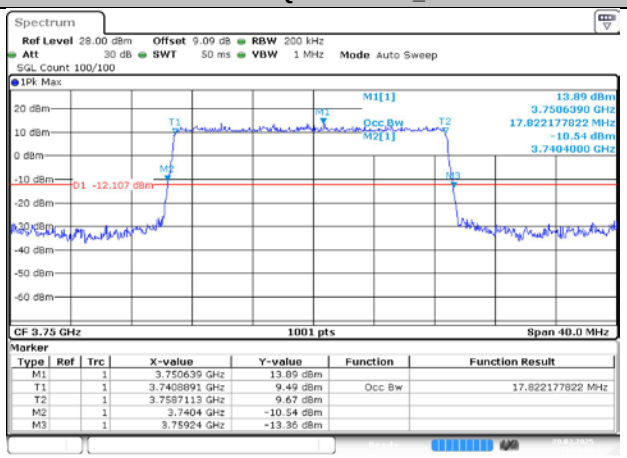


n78A / 30KHz / 20MHz

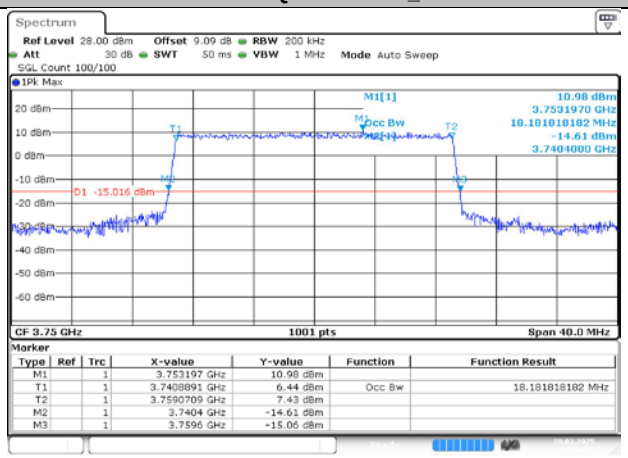
MCH / DFT-Pi2BPSK / Outer_Full



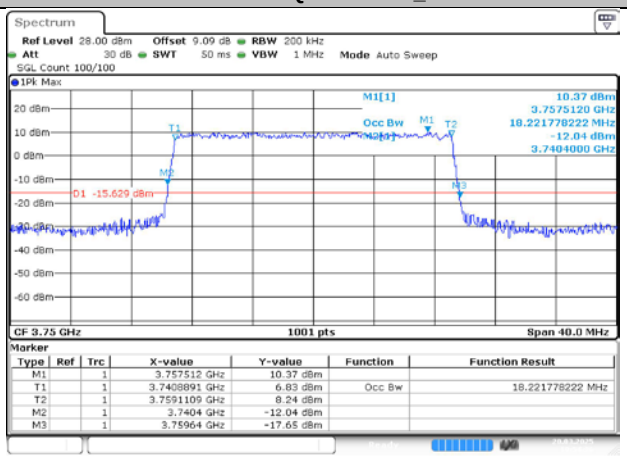
MCH / DFT-QPSK / Outer_Full



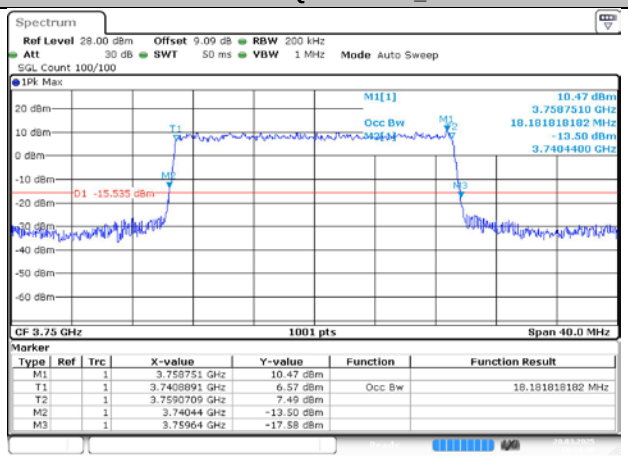
MCH / CP-QPSK / Outer_Full



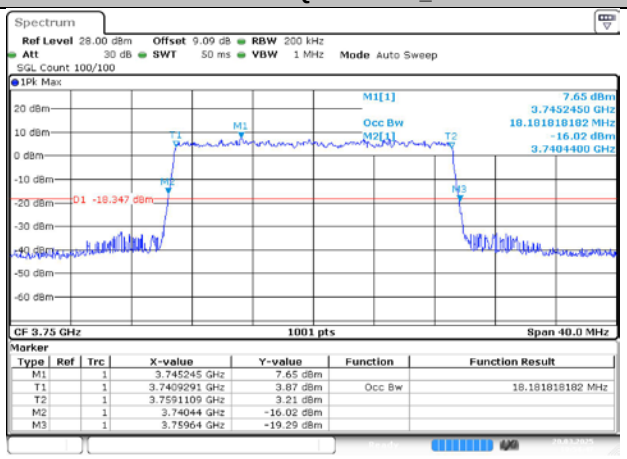
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

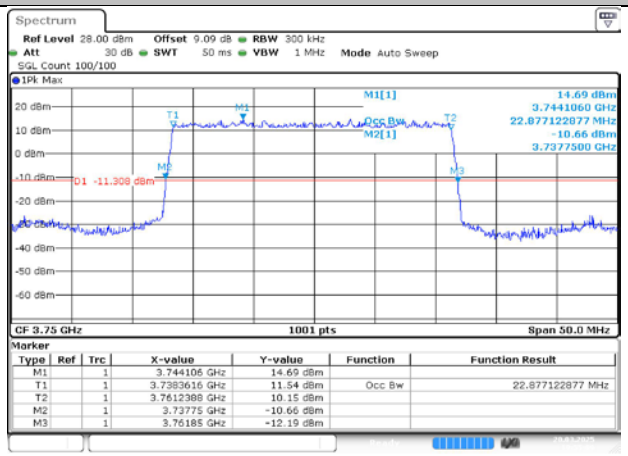


MCH / CP-256QAM / Outer_Full

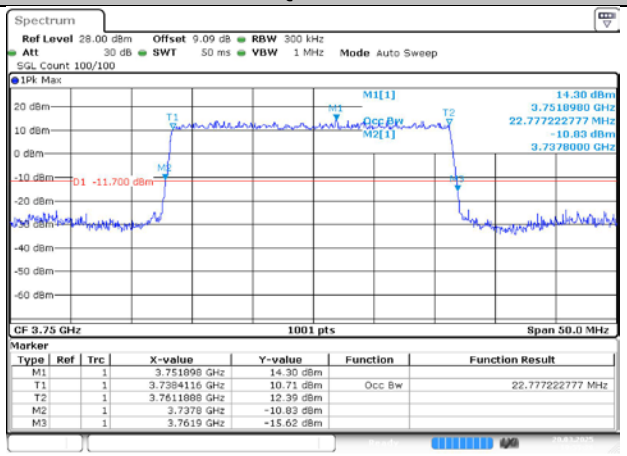


n78A / 30KHz / 25MHz

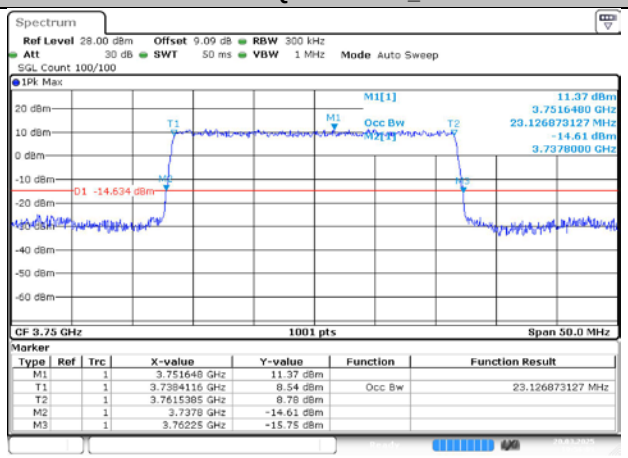
MCH / DFT-Pi2BPSK / Outer_Full



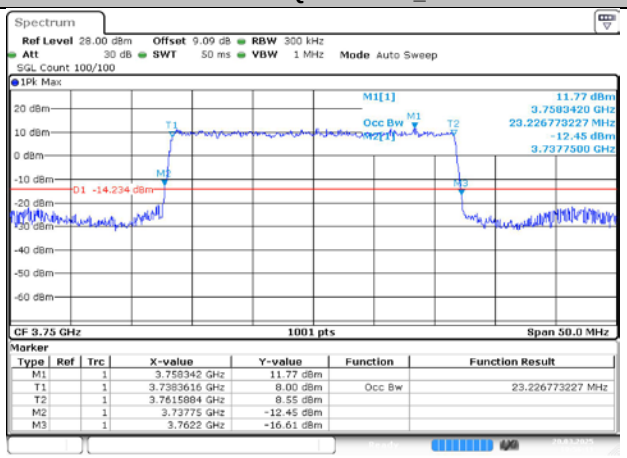
MCH / DFT-QPSK / Outer_Full



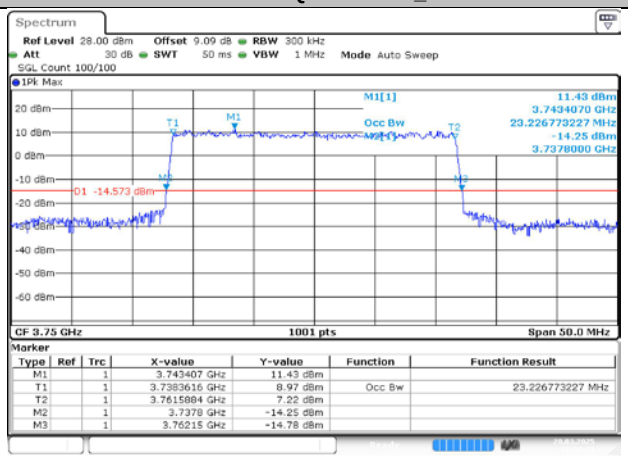
MCH / CP-QPSK / Outer_Full



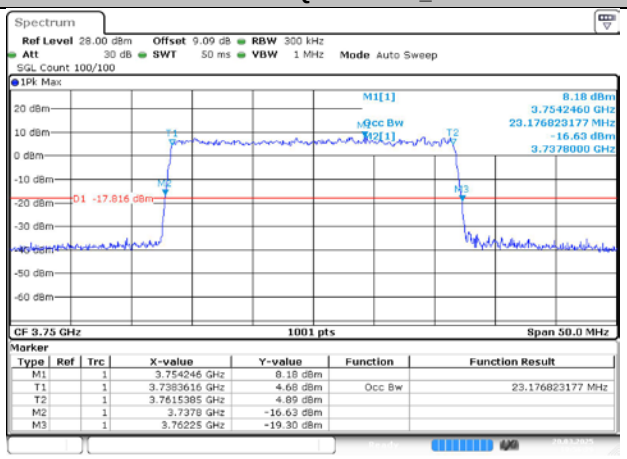
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

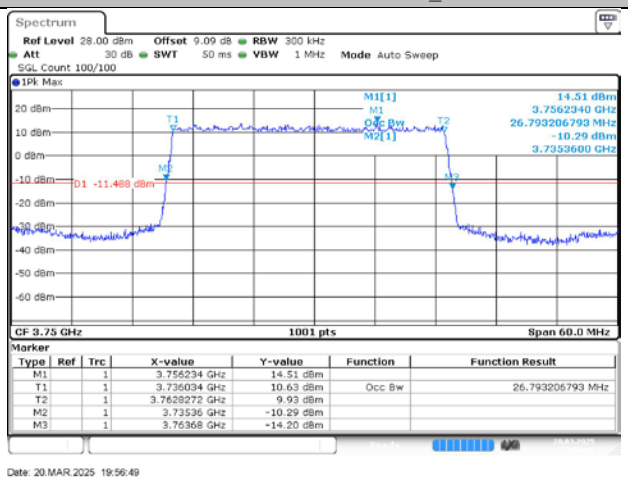


MCH / CP-256QAM / Outer_Full



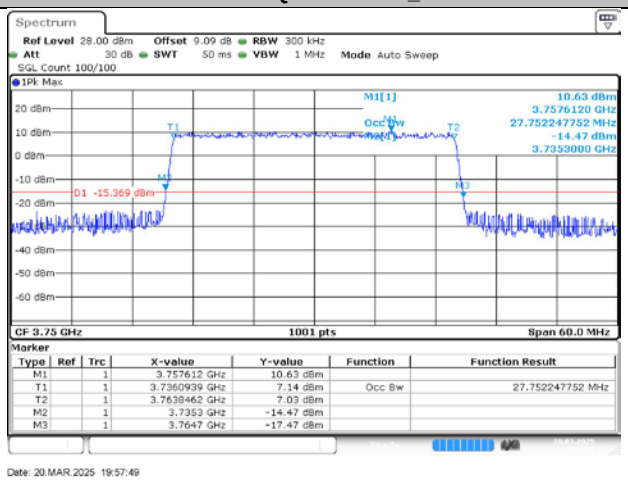
n78A / 30KHz / 30MHz

MCH / DFT-Pi2BPSK / Outer_Full

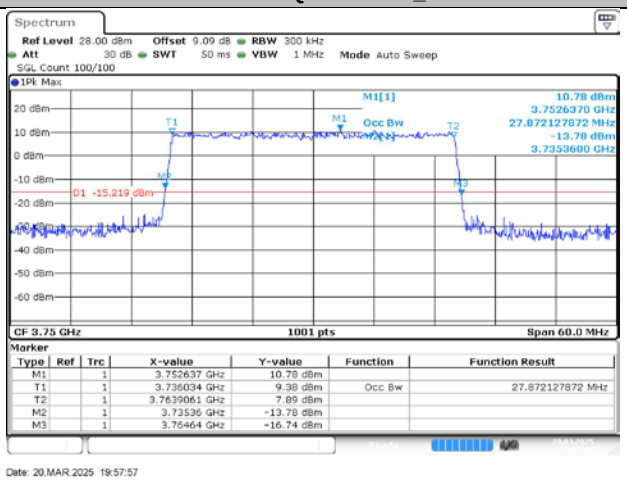


MCH / DFT-QPSK / Outer_Full

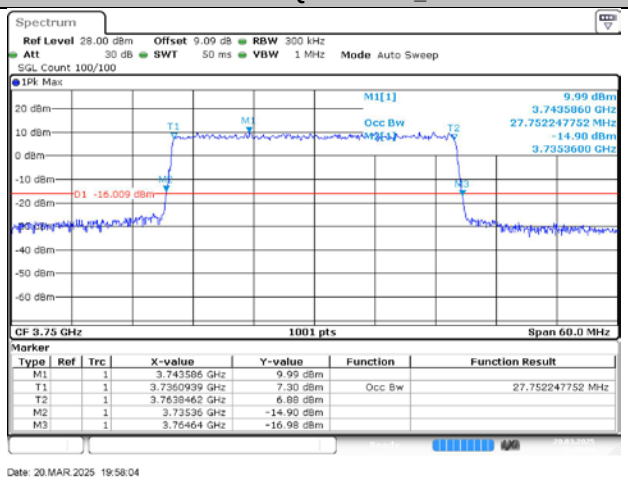
MCH / CP-QPSK / Outer_Full



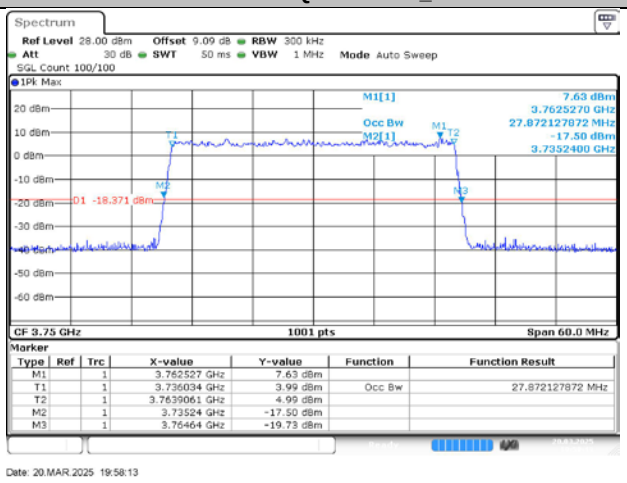
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

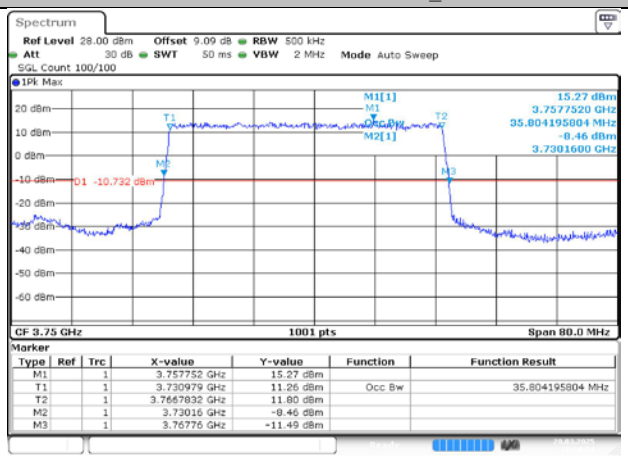


MCH / CP-256QAM / Outer_Full

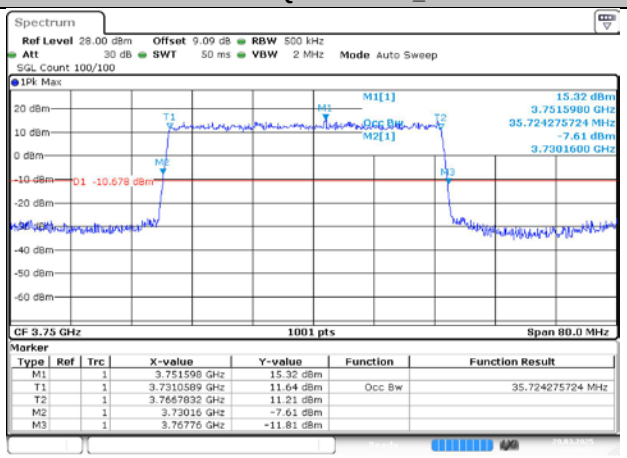


n78A / 30KHz / 40MHz

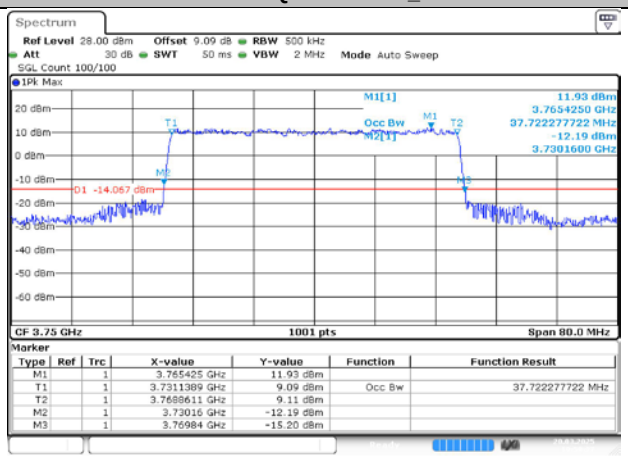
MCH / DFT-Pi2BPSK / Outer_Full



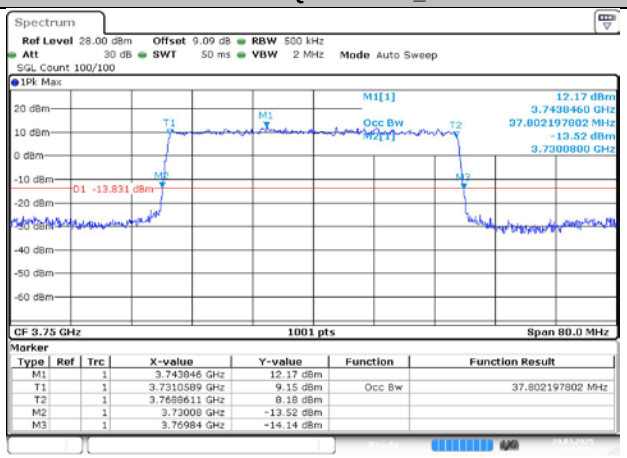
MCH / DFT-QPSK / Outer_Full



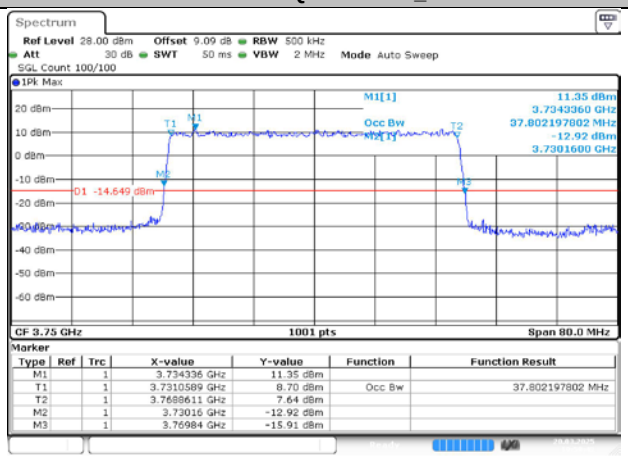
MCH / CP-QPSK / Outer_Full



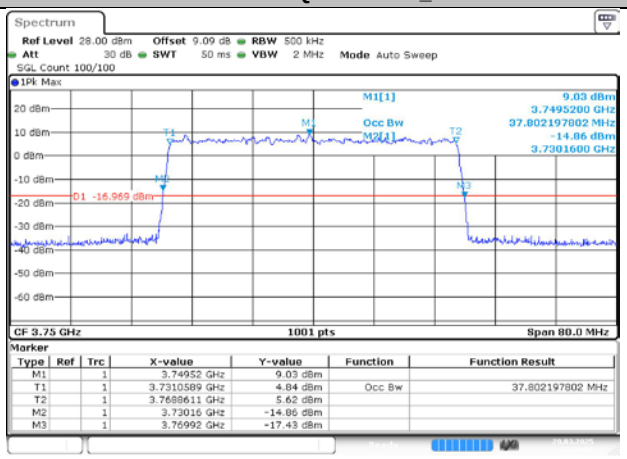
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

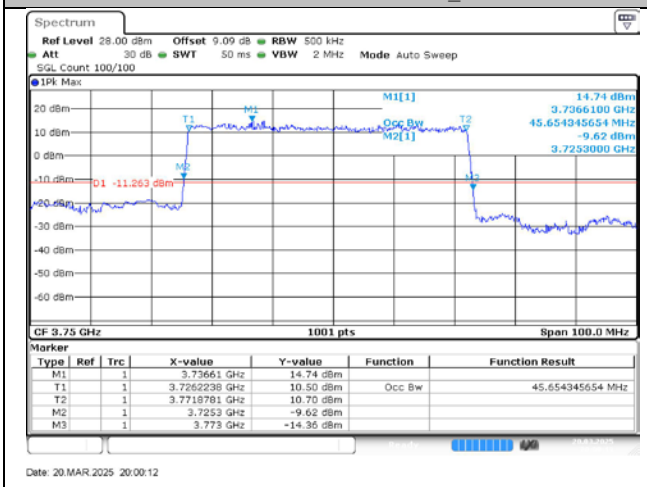


MCH / CP-256QAM / Outer_Full

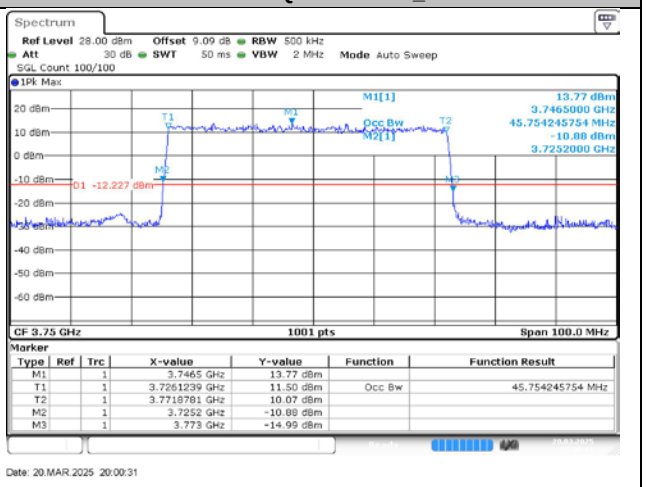


n78A / 30KHz / 50MHz

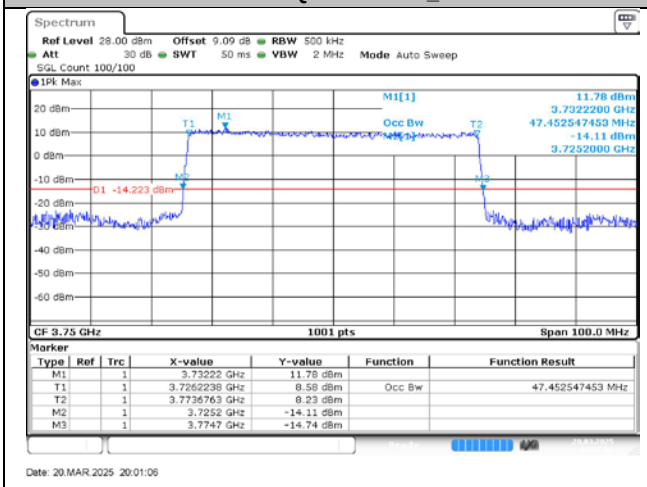
MCH / DFT-Pi2BPSK / Outer_Full



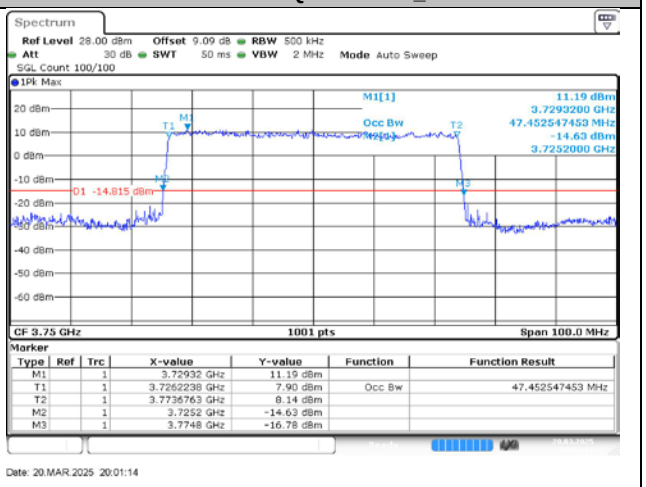
MCH / DFT-QPSK / Outer_Full



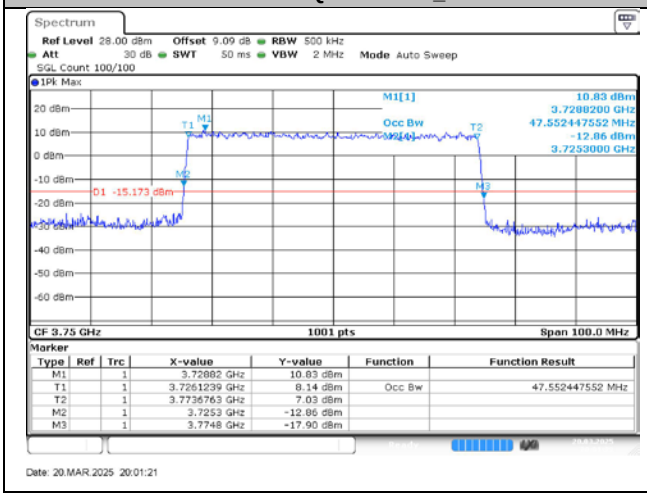
MCH / CP-QPSK / Outer_Full



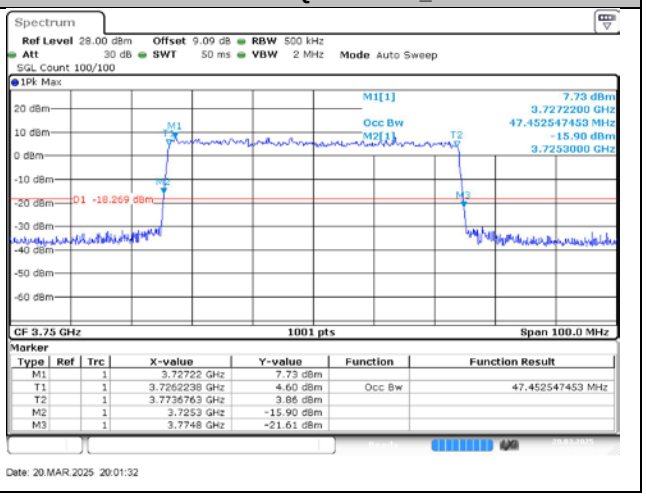
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

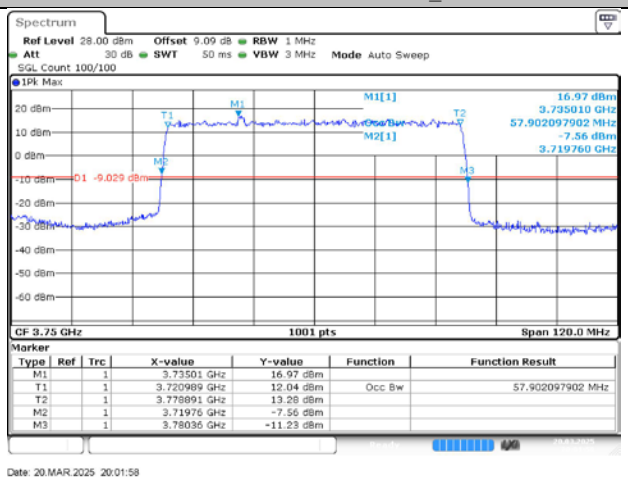


MCH / CP-256QAM / Outer_Full

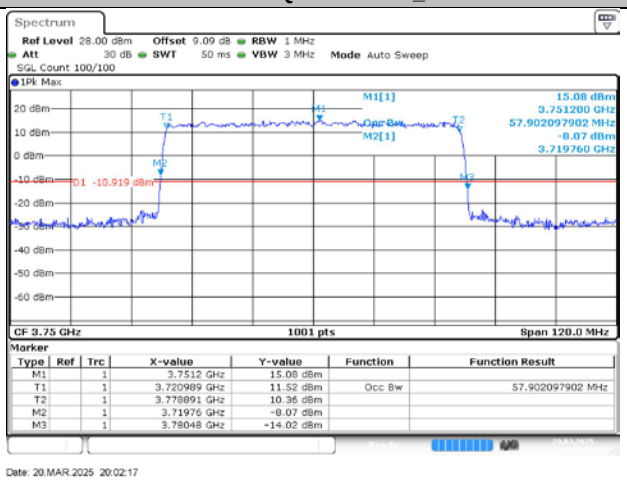


n78A / 30KHz / 60MHz

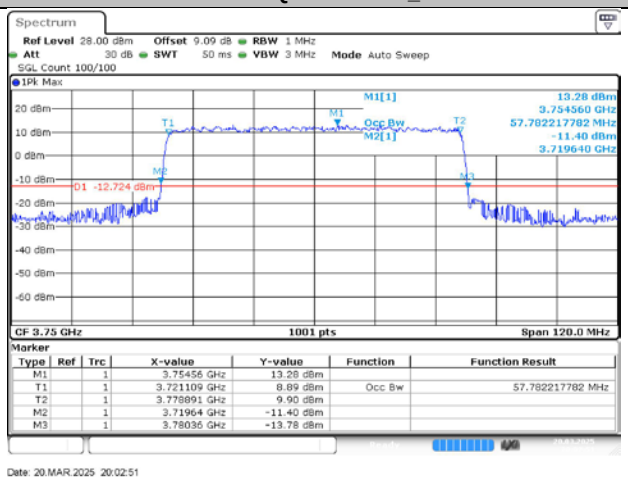
MCH / DFT-Pi2BPSK / Outer_Full



MCH / DFT-QPSK / Outer_Full

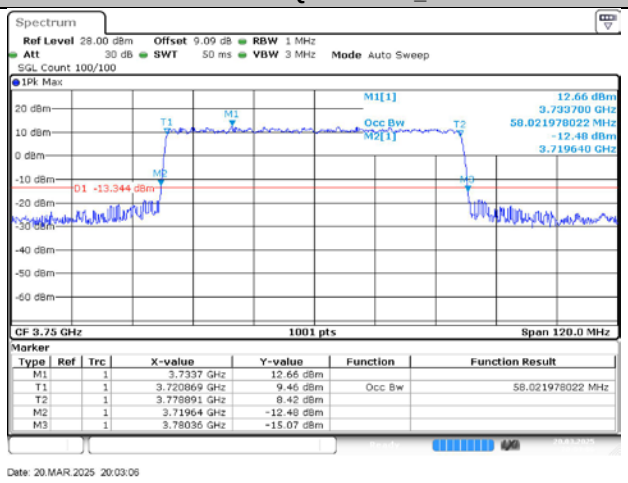


MCH / CP-QPSK / Outer_Full

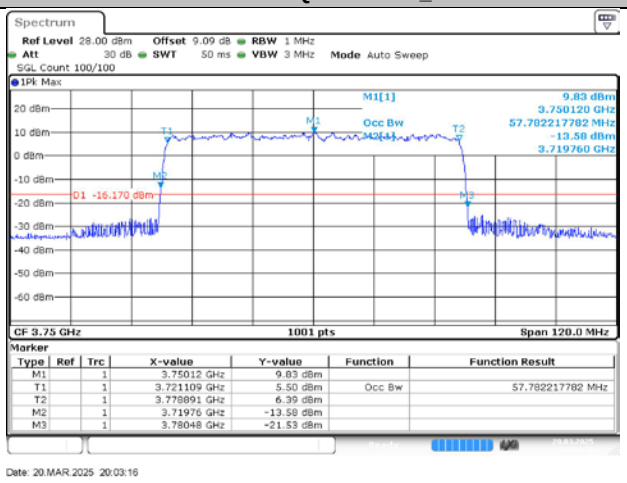


MCH / CP-16QAM / Outer_Full

MCH / CP-64QAM / Outer_Full

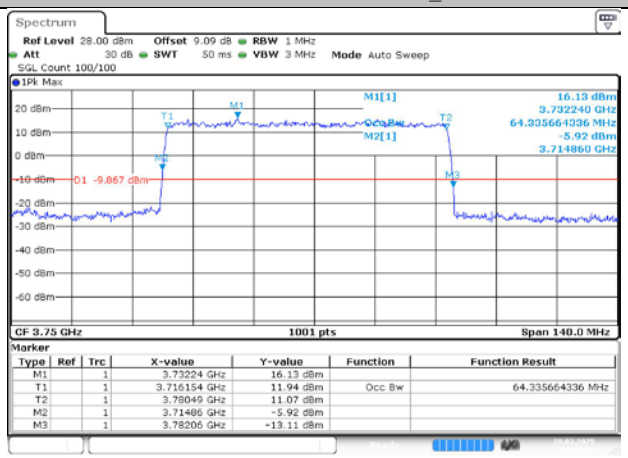


MCH / CP-256QAM / Outer_Full

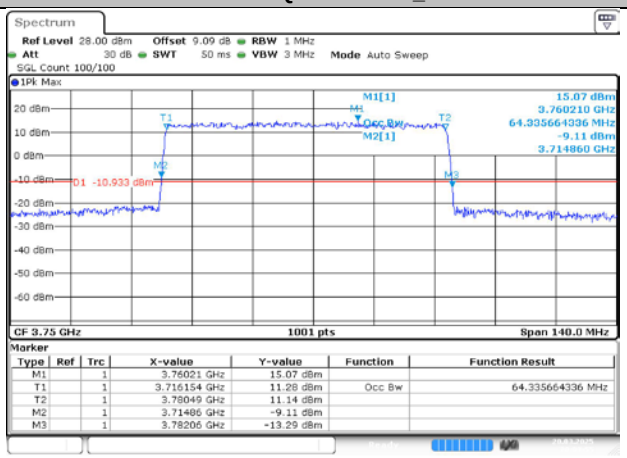


n78A / 30KHz / 70MHz

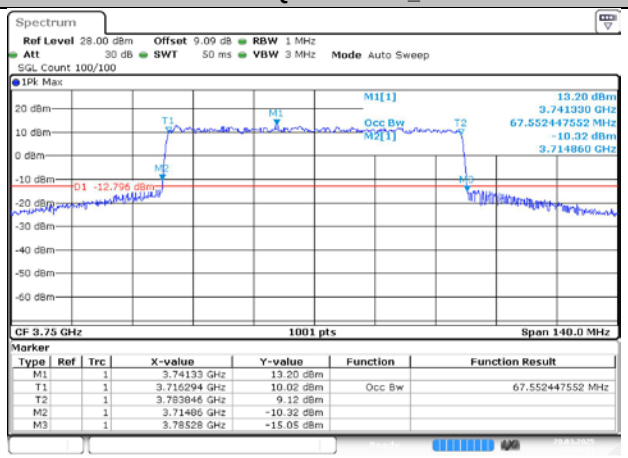
MCH / DFT-Pi2BPSK / Outer_Full



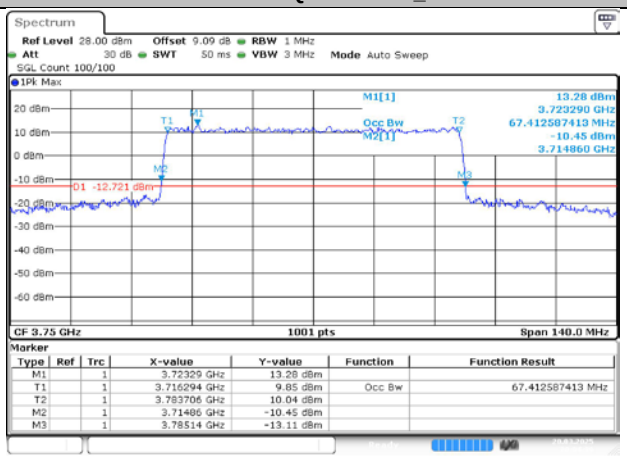
MCH / DFT-QPSK / Outer_Full



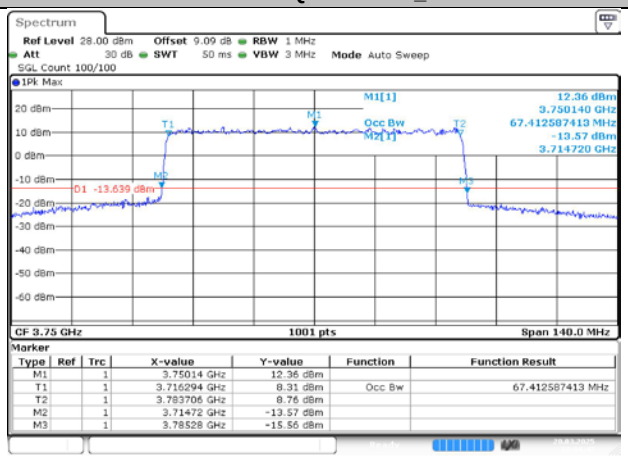
MCH / CP-QPSK / Outer_Full



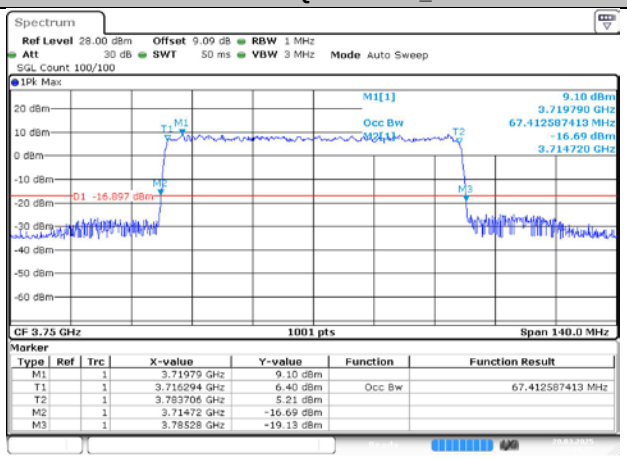
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

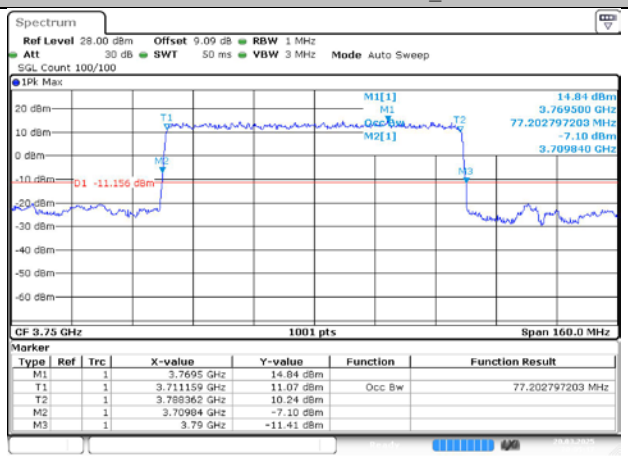


MCH / CP-256QAM / Outer_Full



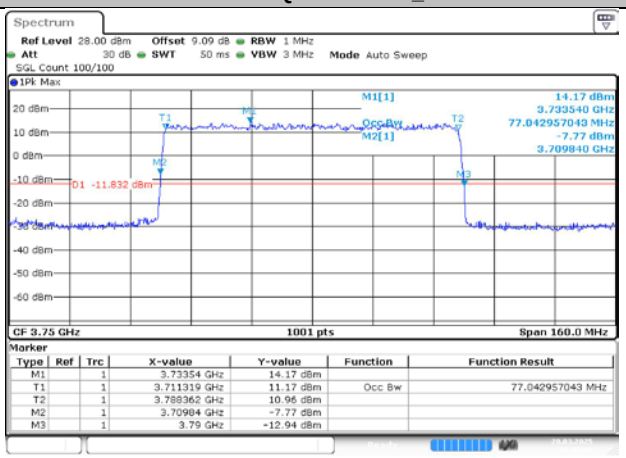
n78A / 30KHz / 80MHz

MCH / DFT-Pi2BPSK / Outer_Full



Date: 20.MAR.2025 20:05:17

MCH / DFT-QPSK / Outer_Full



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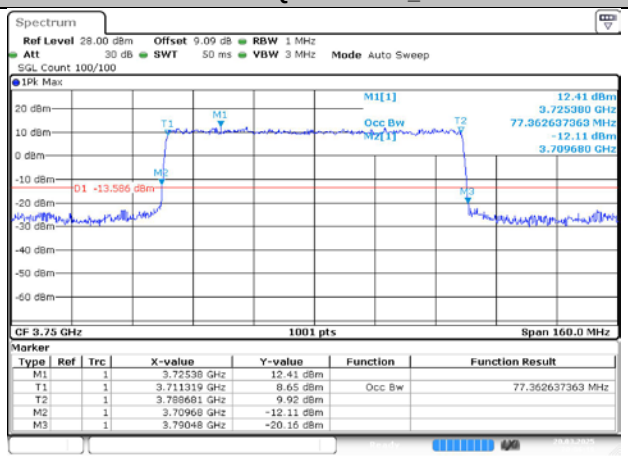
MCH / CP-QPSK / Outer_Full



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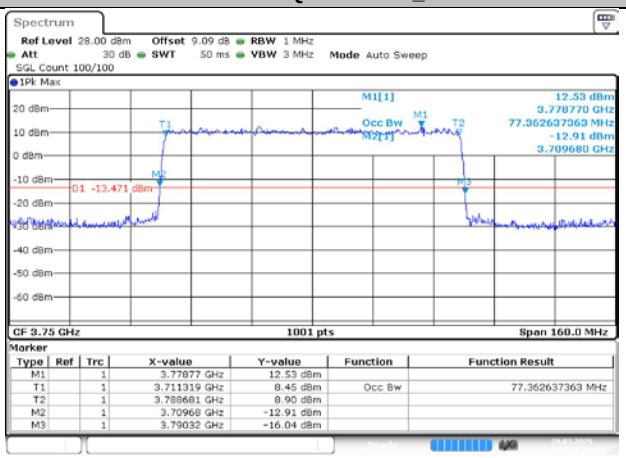
MCH / CP-16QAM / Outer_Full



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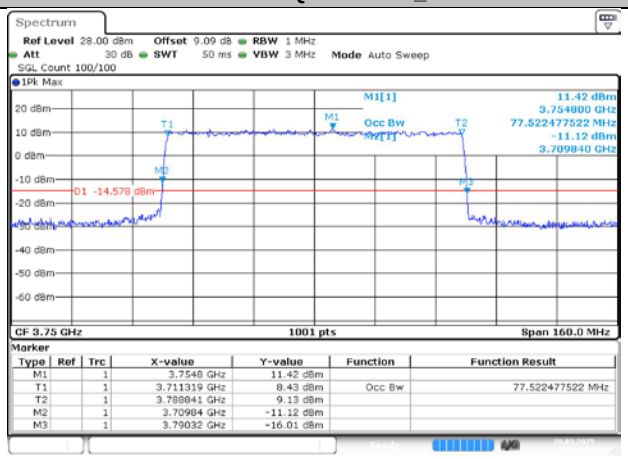
MCH / CP-64QAM / Outer_Full



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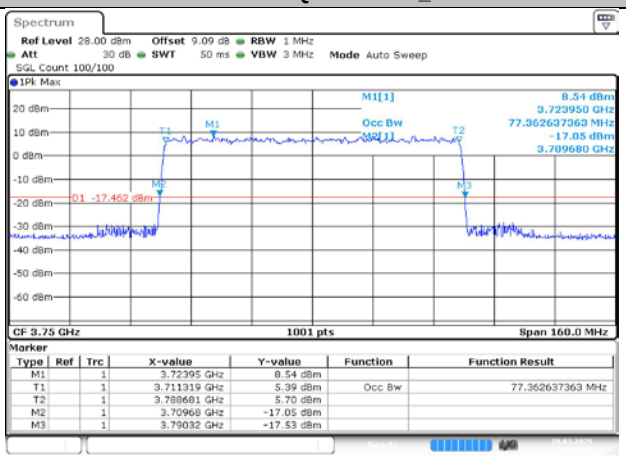
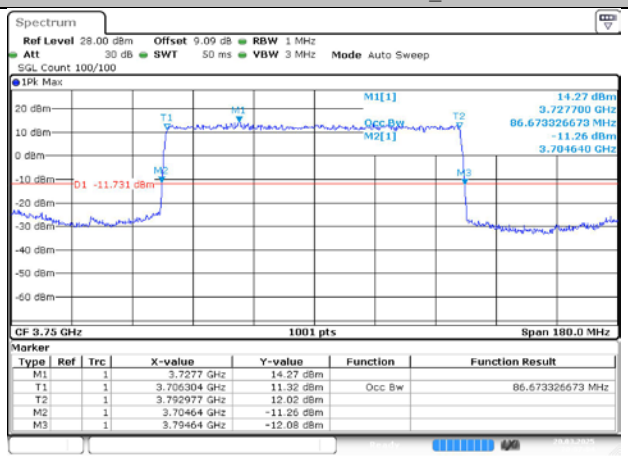
MCH / CP-256QAM / Outer_Full



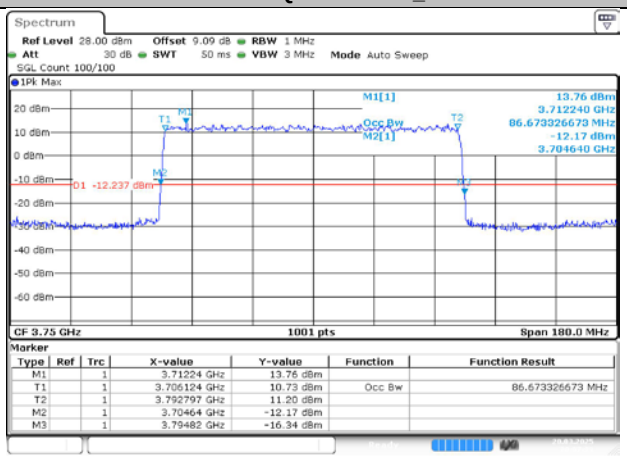
Date: 20.MAR.2025 20:06:43

n78A / 30KHz / 90MHz

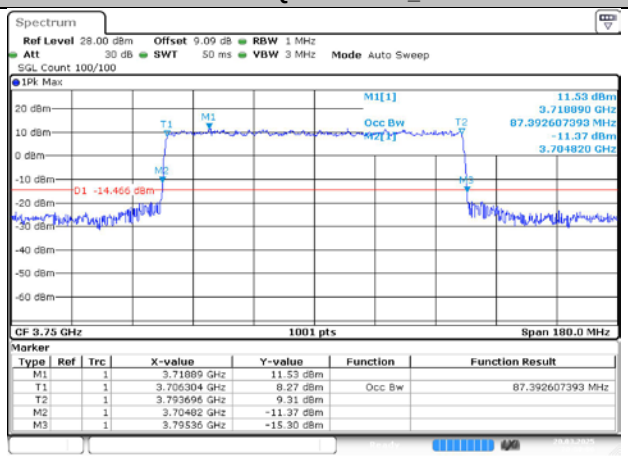
MCH / DFT-Pi2BPSK / Outer_Full



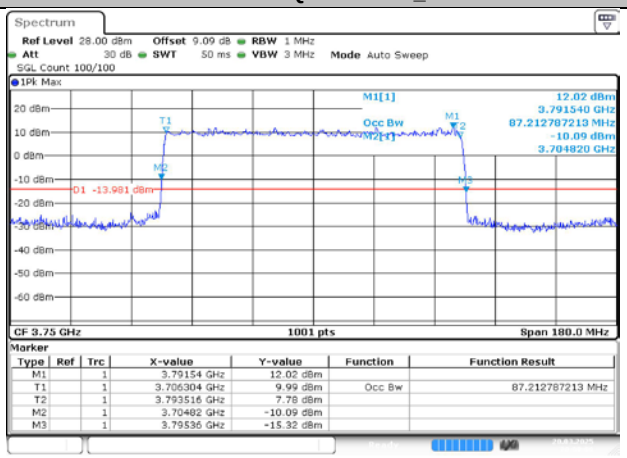
MCH / DFT-QPSK / Outer_Full



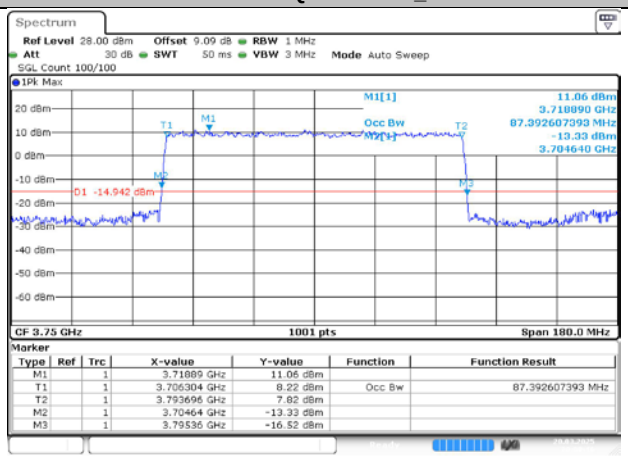
MCH / CP-QPSK / Outer_Full



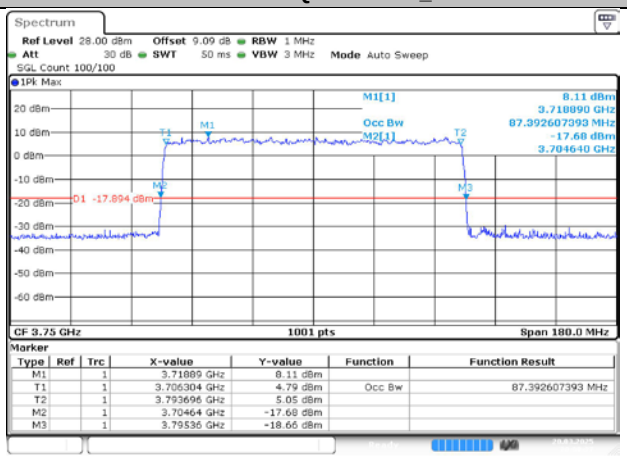
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

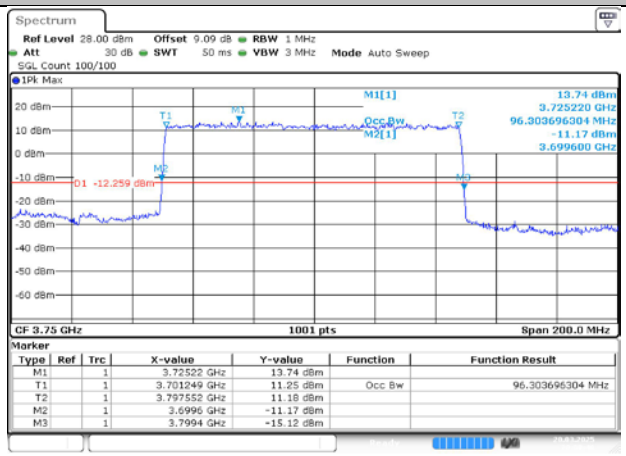


MCH / CP-256QAM / Outer_Full

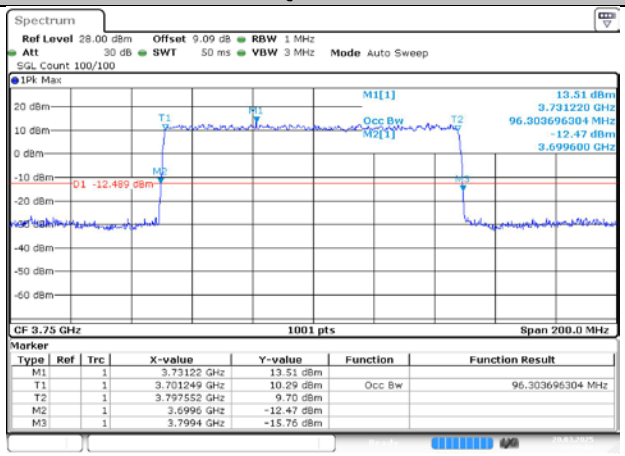


n78A / 30KHz / 100MHz

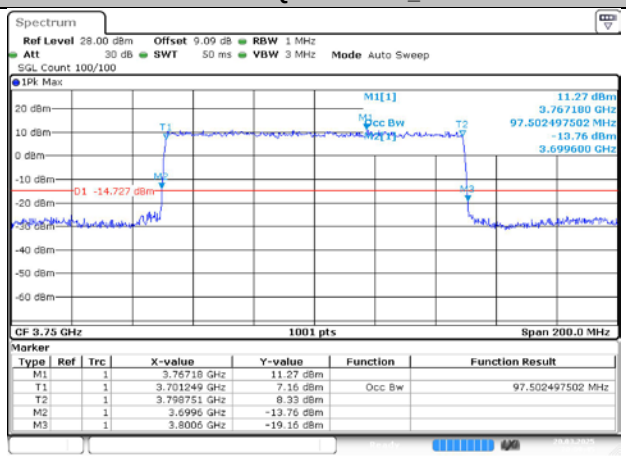
MCH / DFT-Pi2BPSK / Outer_Full



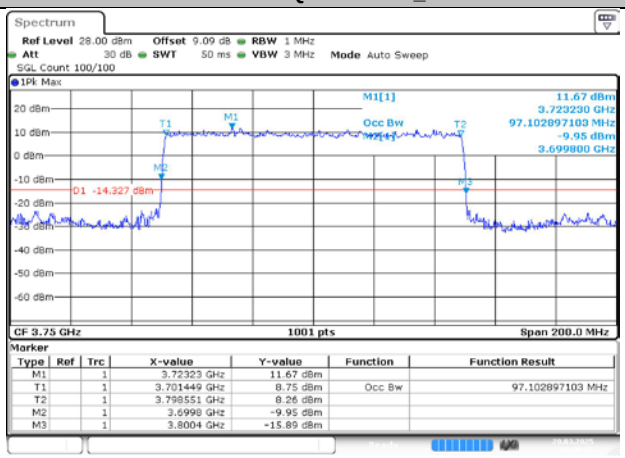
MCH / DFT-QPSK / Outer_Full



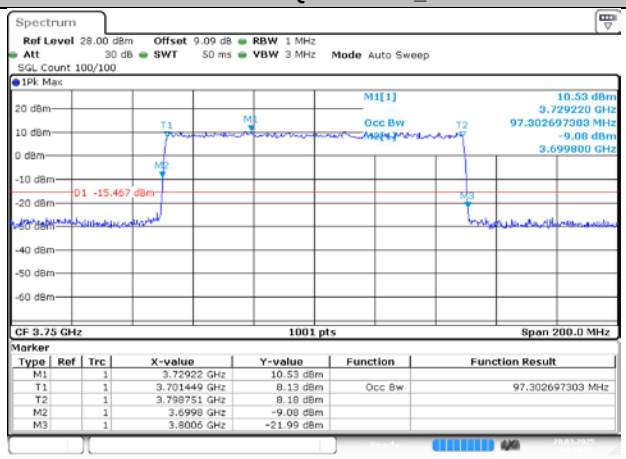
MCH / CP-QPSK / Outer_Full



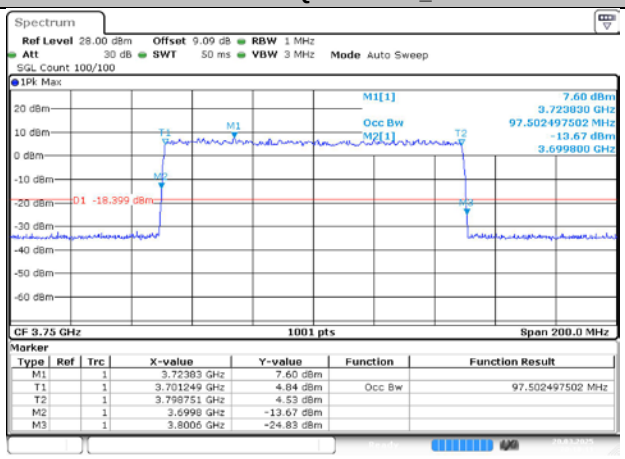
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full



MCH / CP-256QAM / Outer_Full

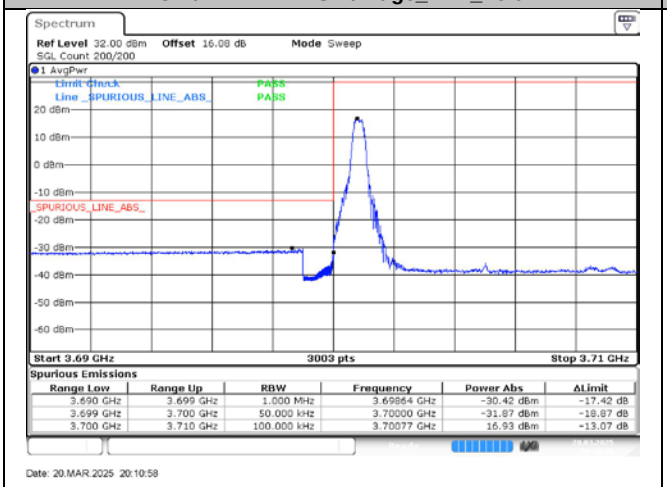


5. Conducted Band Edges

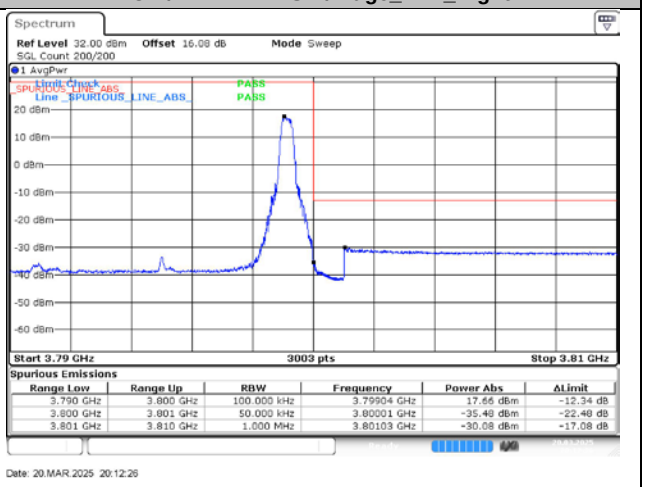
5.1. Test Plots for SCS=30KHz

n78A / 30KHz / 10MHz

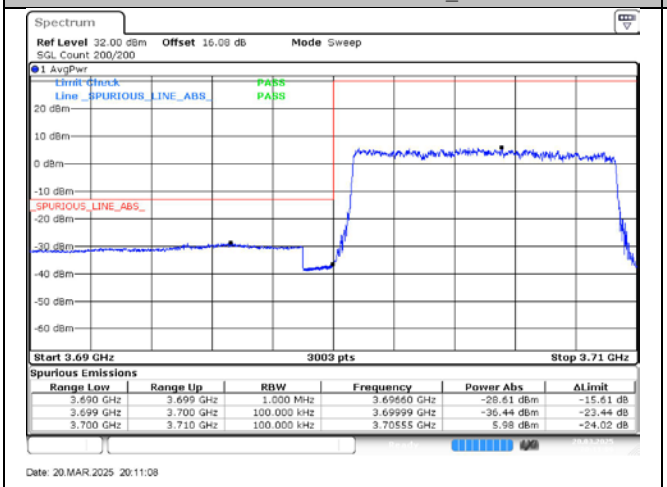
LCH / DFT-Pi2BPSK / Edge_1RB_Left



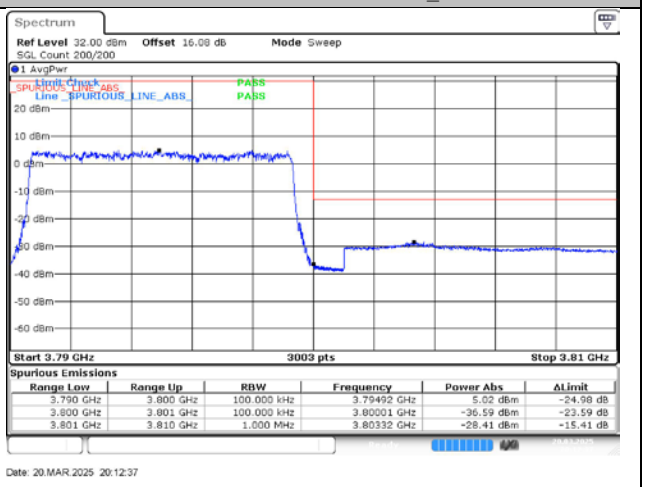
HCH / DFT-Pi2BPSK / Edge_1RB_Right



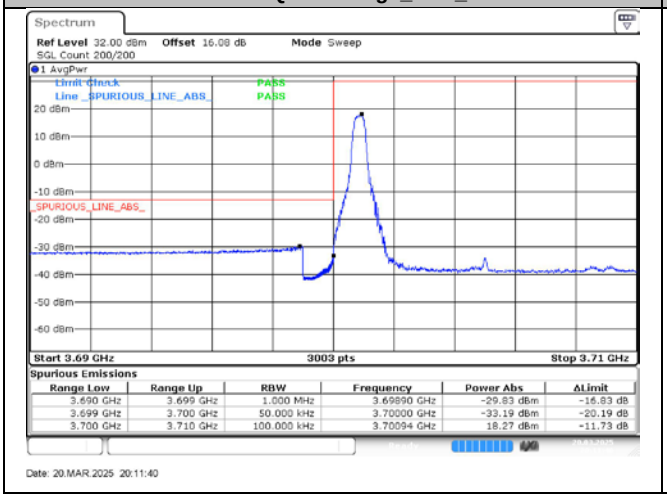
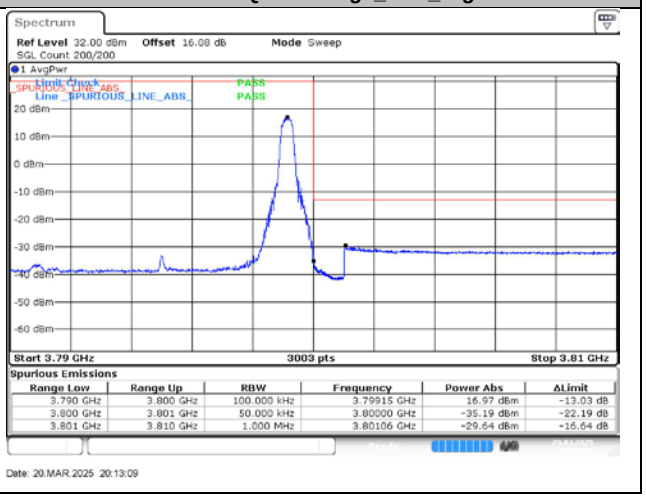
LCH / DFT-Pi2BPSK / Outer_Full



HCH / DFT-Pi2BPSK / Outer_Full



LCH / DFT-QPSK / Edge_1RB_Left



HCH / DFT-QPSK / Edge_1RB_Right