2. Peak-to-Average Ratio

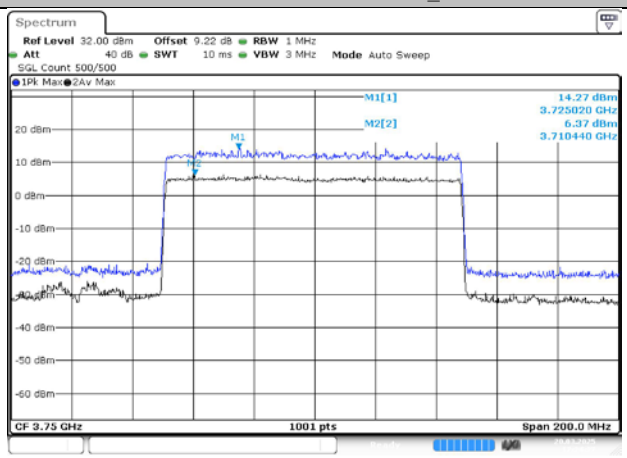
2.1. Test Results

SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
30KHz	100MHz	LCH	Outer_Full	7.90	8.66	13.00	Pass
30KHz	100MHz	MCH	Outer_Full	7.94	8.09	13.00	Pass
30KHz	100MHz	HCH	Outer_Full	8.07	8.07	13.00	Pass

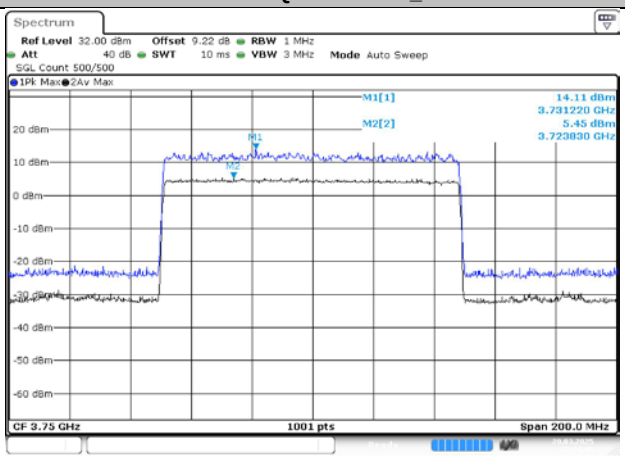
2.2. Test Plots for SCS=30KHz

n77A / 30KHz / 100MHz

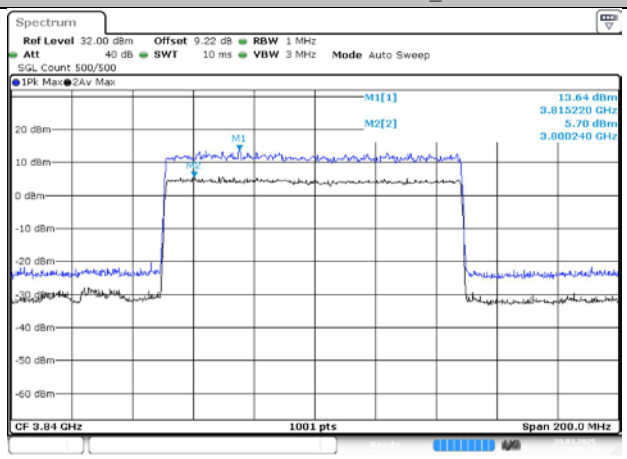
LCH / DFT-Pi2BPSK / Outer_Full



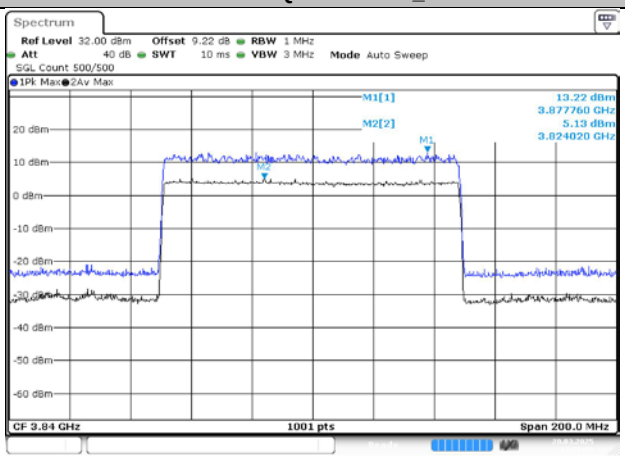
LCH / DFT-QPSK / Outer_Full



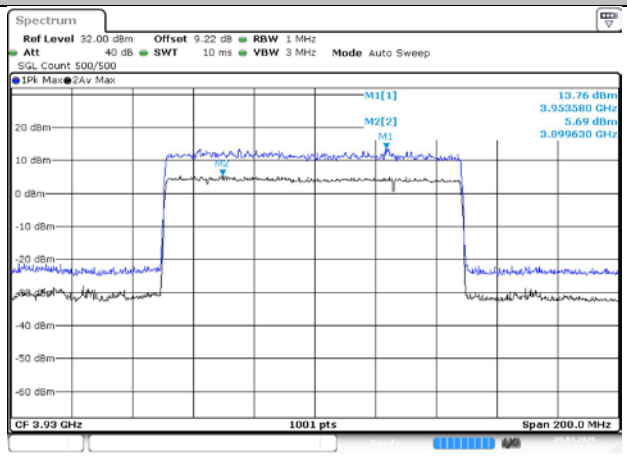
MCH / DFT-Pi2BPSK / Outer_Full



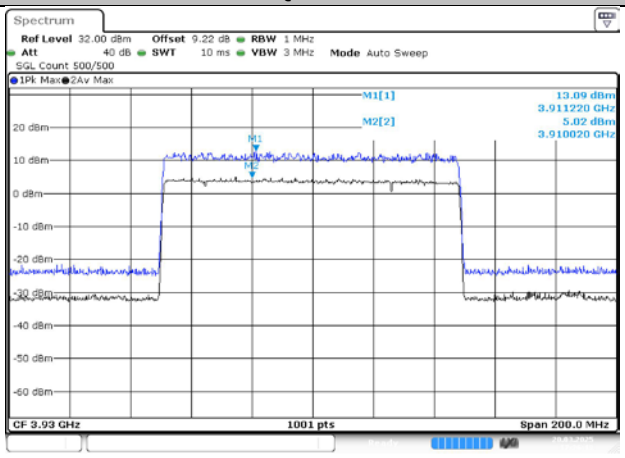
MCH / DFT-QPSK / Outer_Full



HCH / DFT-Pi2BPSK / Outer_Full

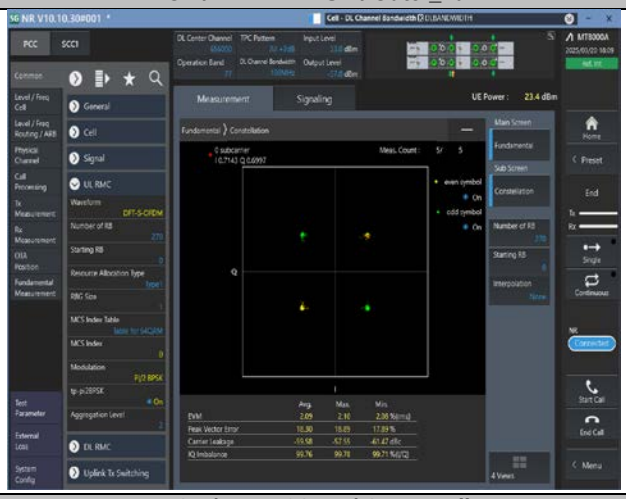
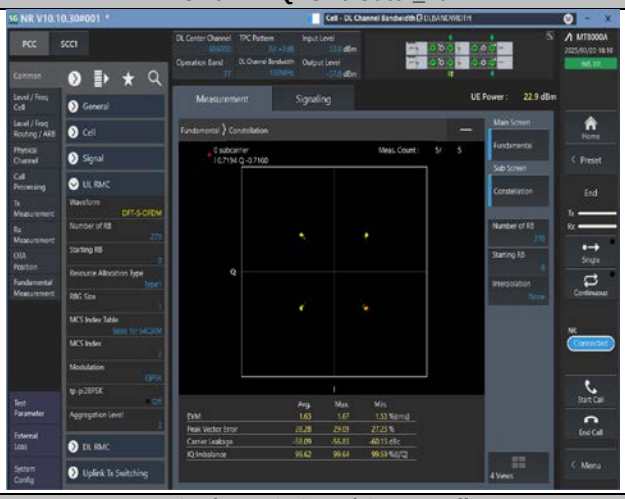
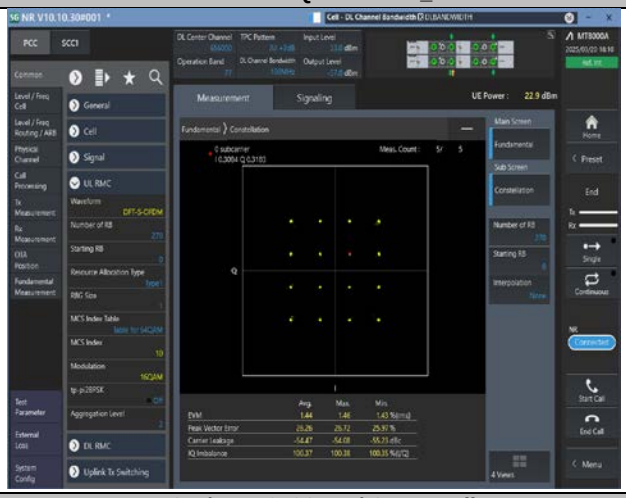
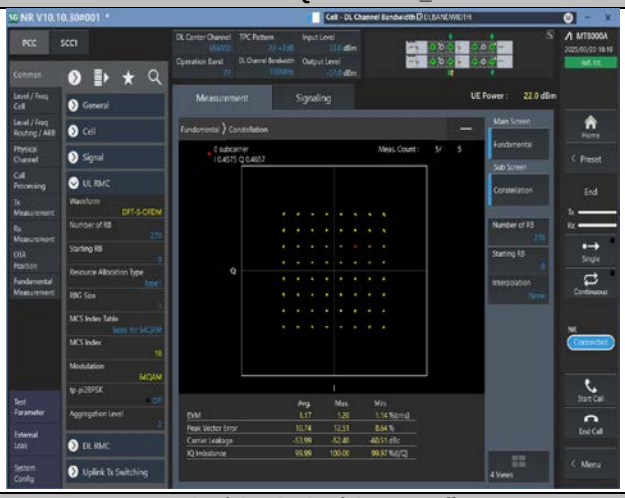
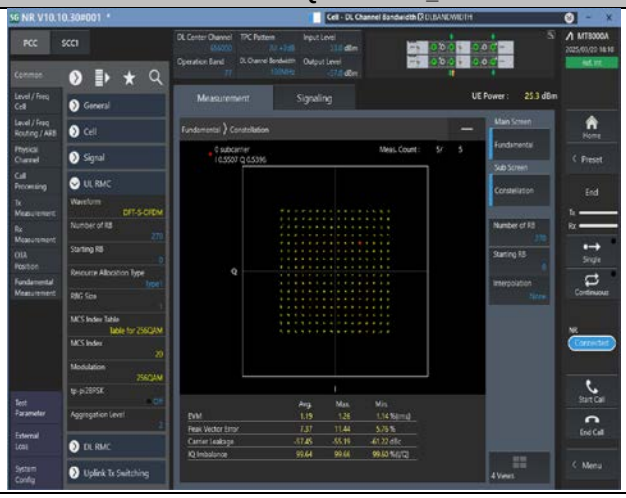
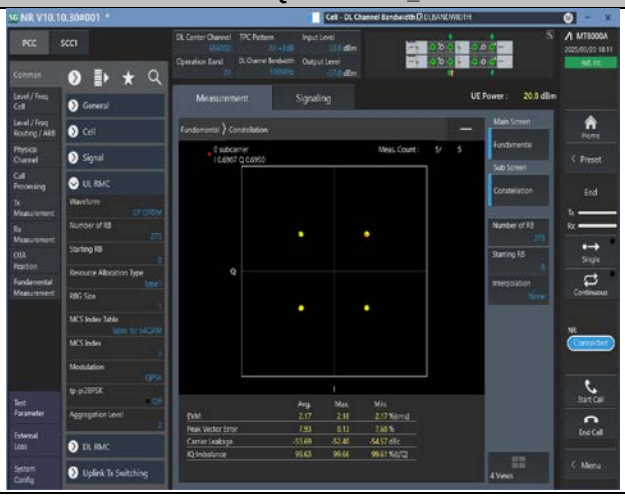


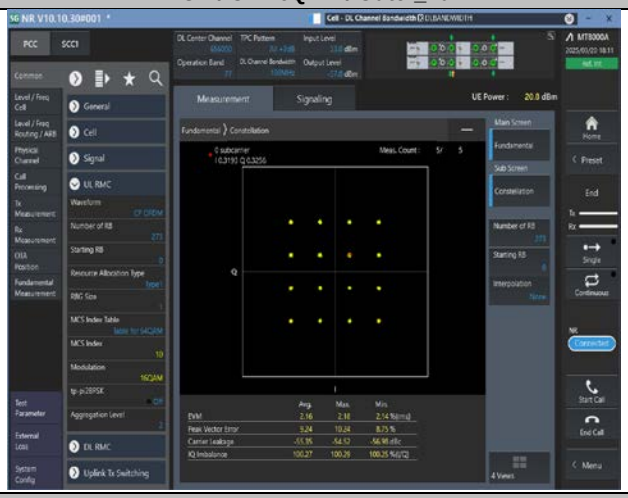
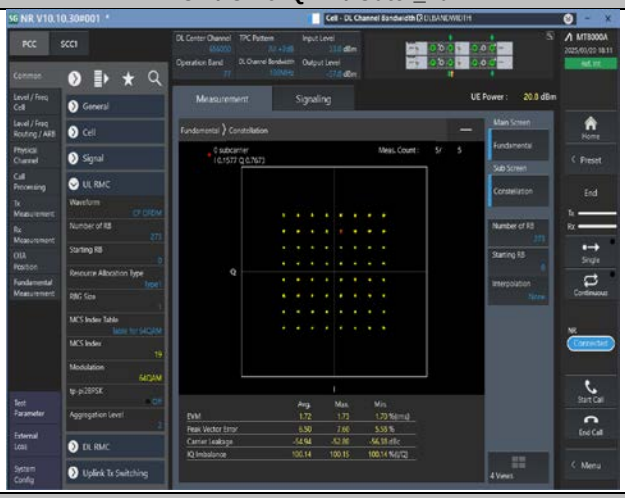
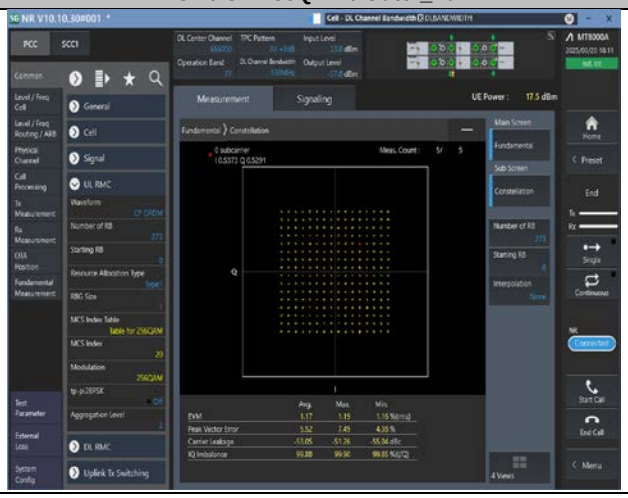
HCH / DFT-QPSK / Outer_Full



3. Modulation Characteristics

3.1. Test Plots for SCS=30KHz

n77A / 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

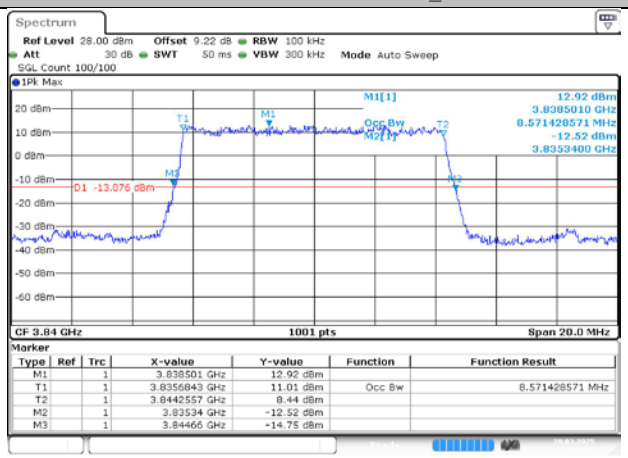
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
30KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.57	9.32	Pass
30KHz	10MHz	DFT-QPSK	Outer_Full	8.57	9.14	Pass
30KHz	10MHz	CP-QPSK	Outer_Full	8.59	9.38	Pass
30KHz	10MHz	CP-16QAM	Outer_Full	8.57	9.26	Pass
30KHz	10MHz	CP-64QAM	Outer_Full	8.59	9.28	Pass
30KHz	10MHz	CP-256QAM	Outer_Full	8.59	9.26	Pass
30KHz	15MHz	DFT-Pi2BPSK	Outer_Full	12.86	13.80	Pass
30KHz	15MHz	DFT-QPSK	Outer_Full	12.86	13.77	Pass
30KHz	15MHz	CP-QPSK	Outer_Full	13.58	14.61	Pass
30KHz	15MHz	CP-16QAM	Outer_Full	13.55	14.52	Pass
30KHz	15MHz	CP-64QAM	Outer_Full	13.64	14.61	Pass
30KHz	15MHz	CP-256QAM	Outer_Full	13.61	14.52	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	18.22	19.24	Pass
30KHz	20MHz	CP-16QAM	Outer_Full	18.22	19.32	Pass
30KHz	20MHz	CP-64QAM	Outer_Full	18.18	19.20	Pass
30KHz	20MHz	CP-256QAM	Outer_Full	18.18	19.16	Pass
30KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	24.15	Pass
30KHz	25MHz	DFT-QPSK	Outer_Full	22.83	24.05	Pass
30KHz	25MHz	CP-QPSK	Outer_Full	23.23	24.45	Pass
30KHz	25MHz	CP-16QAM	Outer_Full	23.23	24.40	Pass

30KHz	25MHz	CP-64QAM	Outer_Full	23.23	24.30	Pass
30KHz	25MHz	CP-256QAM	Outer_Full	23.23	24.45	Pass
30KHz	30MHz	DFT-Pi2BPSK	Outer_Full	26.79	28.26	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	29.34	Pass
30KHz	30MHz	CP-64QAM	Outer_Full	27.75	29.34	Pass
30KHz	30MHz	CP-256QAM	Outer_Full	27.87	29.34	Pass
30KHz	40MHz	DFT-Pi2BPSK	Outer_Full	35.80	37.68	Pass
30KHz	40MHz	DFT-QPSK	Outer_Full	35.80	37.68	Pass
30KHz	40MHz	CP-QPSK	Outer_Full	37.88	39.68	Pass
30KHz	40MHz	CP-16QAM	Outer_Full	37.80	39.92	Pass
30KHz	40MHz	CP-64QAM	Outer_Full	37.80	39.68	Pass
30KHz	40MHz	CP-256QAM	Outer_Full	37.80	39.84	Pass
30KHz	50MHz	DFT-Pi2BPSK	Outer_Full	45.75	47.70	Pass
30KHz	50MHz	DFT-QPSK	Outer_Full	45.75	47.70	Pass
30KHz	50MHz	CP-QPSK	Outer_Full	47.35	49.60	Pass
30KHz	50MHz	CP-16QAM	Outer_Full	47.45	49.50	Pass
30KHz	50MHz	CP-64QAM	Outer_Full	47.45	49.50	Pass
30KHz	50MHz	CP-256QAM	Outer_Full	47.35	49.60	Pass
30KHz	60MHz	DFT-Pi2BPSK	Outer_Full	57.78	60.60	Pass
30KHz	60MHz	DFT-QPSK	Outer_Full	57.90	60.72	Pass
30KHz	60MHz	CP-QPSK	Outer_Full	57.66	60.60	Pass
30KHz	60MHz	CP-16QAM	Outer_Full	57.66	60.60	Pass
30KHz	60MHz	CP-64QAM	Outer_Full	57.78	60.72	Pass
30KHz	60MHz	CP-256QAM	Outer_Full	57.90	60.60	Pass
30KHz	70MHz	DFT-Pi2BPSK	Outer_Full	64.34	67.20	Pass
30KHz	70MHz	DFT-QPSK	Outer_Full	64.34	67.34	Pass
30KHz	70MHz	CP-QPSK	Outer_Full	67.69	70.42	Pass
30KHz	70MHz	CP-16QAM	Outer_Full	67.55	70.28	Pass
30KHz	70MHz	CP-64QAM	Outer_Full	67.55	70.42	Pass
30KHz	70MHz	CP-256QAM	Outer_Full	67.55	70.42	Pass
30KHz	80MHz	DFT-Pi2BPSK	Outer_Full	77.04	80.32	Pass
30KHz	80MHz	DFT-QPSK	Outer_Full	77.04	80.16	Pass
30KHz	80MHz	CP-QPSK	Outer_Full	77.52	80.64	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	86.85	90.00	Pass
30KHz	90MHz	CP-QPSK	Outer_Full	87.39	90.72	Pass
30KHz	90MHz	CP-16QAM	Outer_Full	87.39	90.54	Pass
30KHz	90MHz	CP-64QAM	Outer_Full	87.39	90.72	Pass
30KHz	90MHz	CP-256QAM	Outer_Full	87.39	90.54	Pass
30KHz	100MHz	DFT-Pi2BPSK	Outer_Full	96.50	100.00	Pass
30KHz	100MHz	DFT-QPSK	Outer_Full	96.30	99.60	Pass
30KHz	100MHz	CP-QPSK	Outer_Full	97.50	100.80	Pass
30KHz	100MHz	CP-16QAM	Outer_Full	97.10	100.60	Pass
30KHz	100MHz	CP-64QAM	Outer_Full	97.50	101.00	Pass
30KHz	100MHz	CP-256QAM	Outer_Full	97.50	101.00	Pass

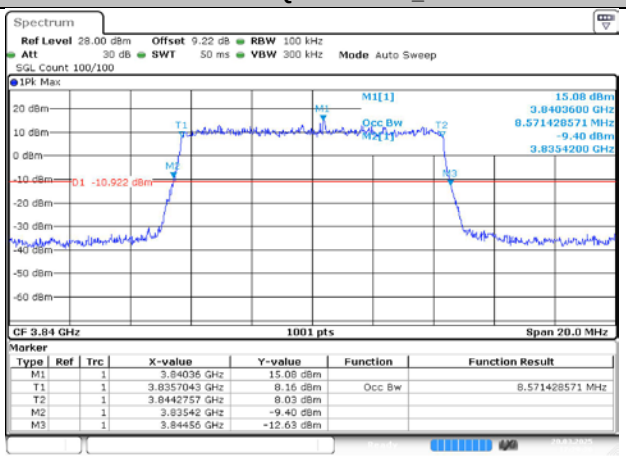
4.2. Test Plots for SCS=30KHz

n77A / 30KHz / 10MHz

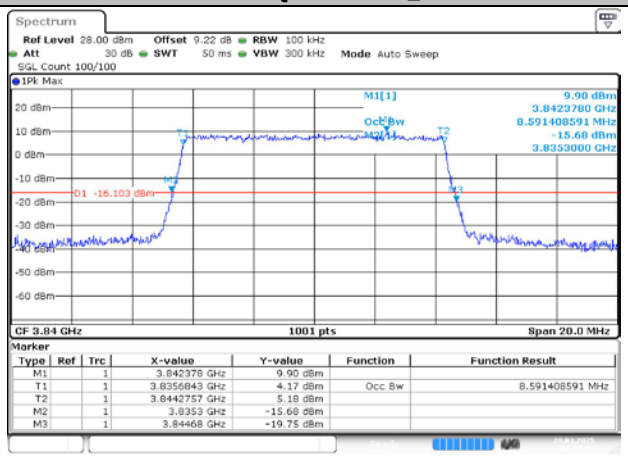
MCH / DFT-Pi2BPSK / Outer_Full



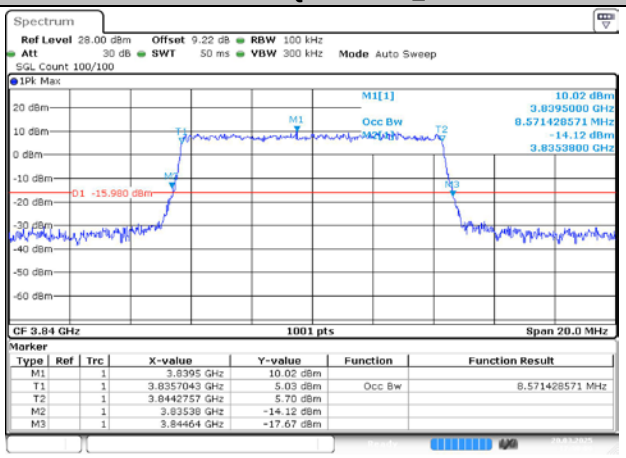
MCH / DFT-QPSK / Outer_Full



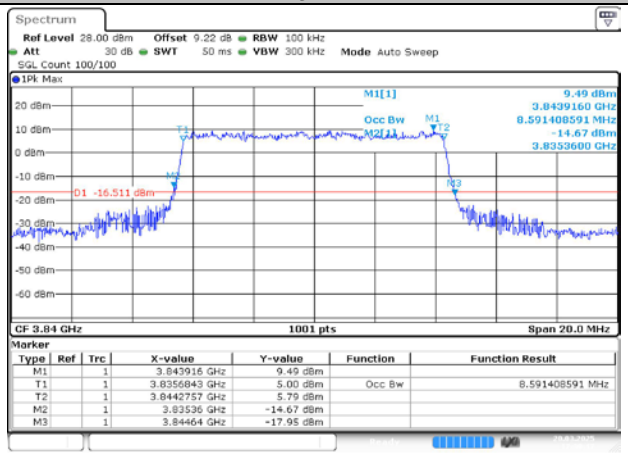
MCH / CP-QPSK / Outer_Full



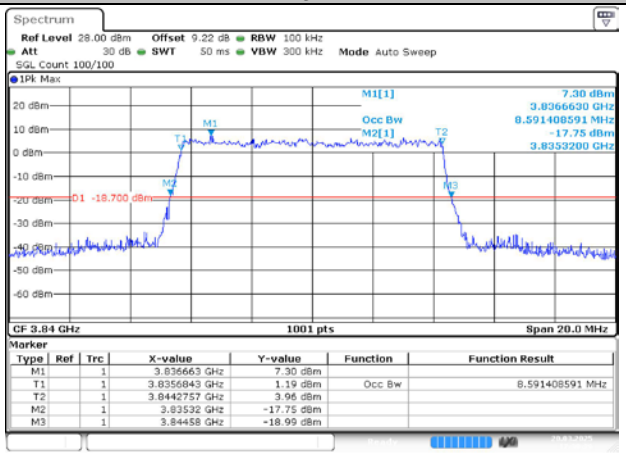
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

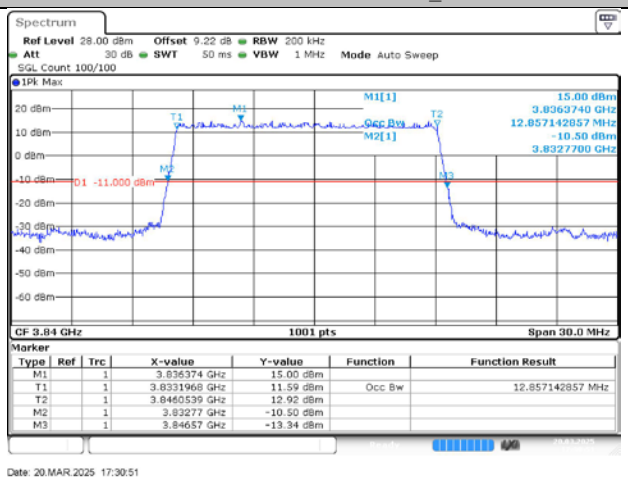


MCH / CP-256QAM / Outer_Full

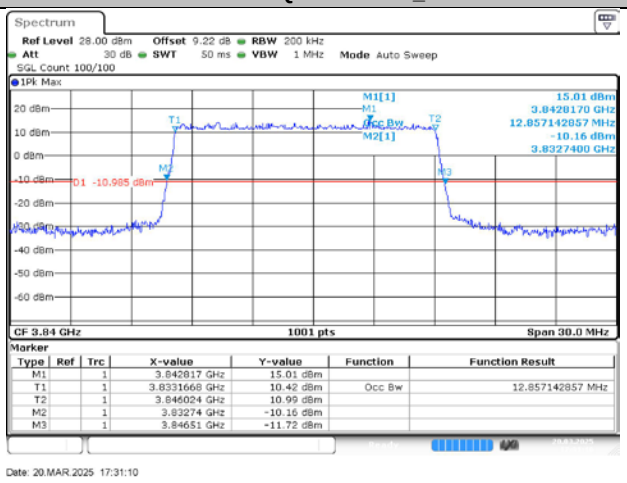


n77A / 30KHz / 15MHz

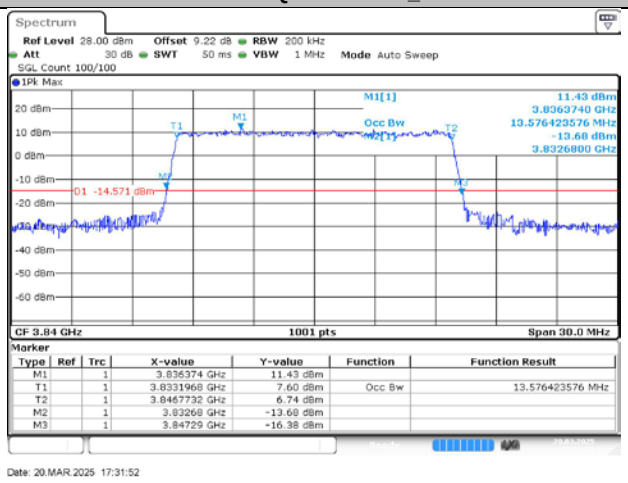
MCH / DFT-Pi2BPSK / Outer_Full



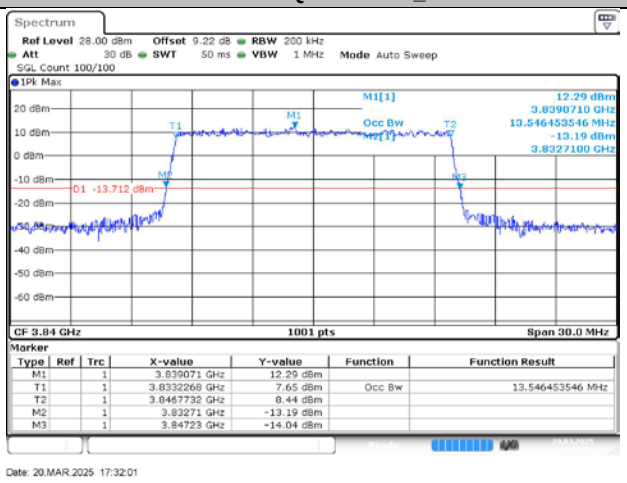
MCH / DFT-QPSK / Outer_Full



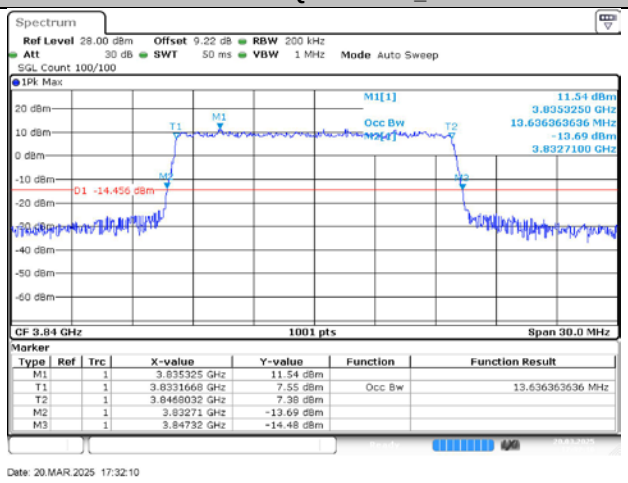
MCH / CP-QPSK / Outer_Full



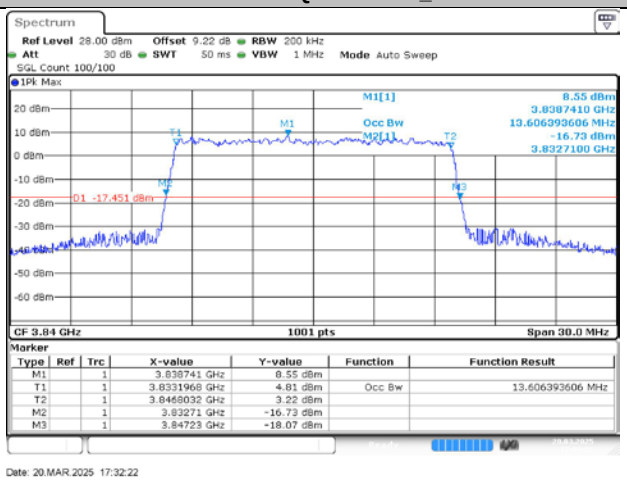
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

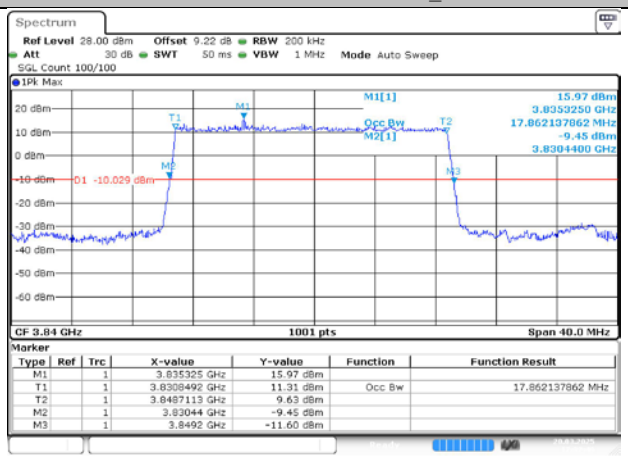


MCH / CP-256QAM / Outer_Full

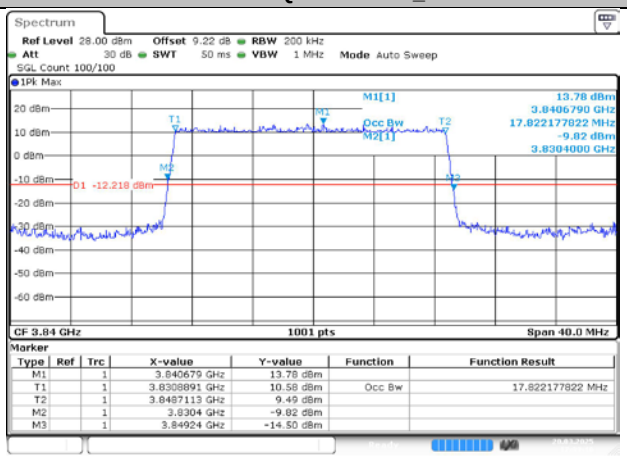


n77A / 30KHz / 20MHz

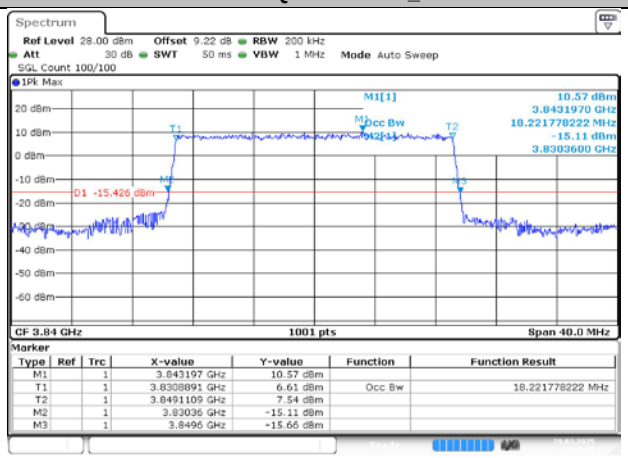
MCH / DFT-Pi2BPSK / Outer_Full



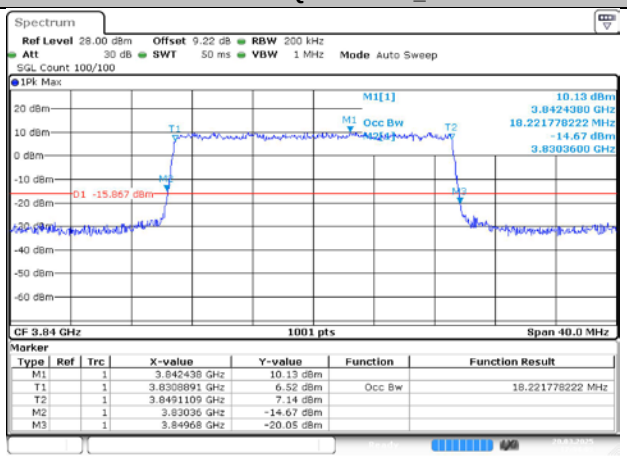
MCH / DFT-QPSK / Outer_Full



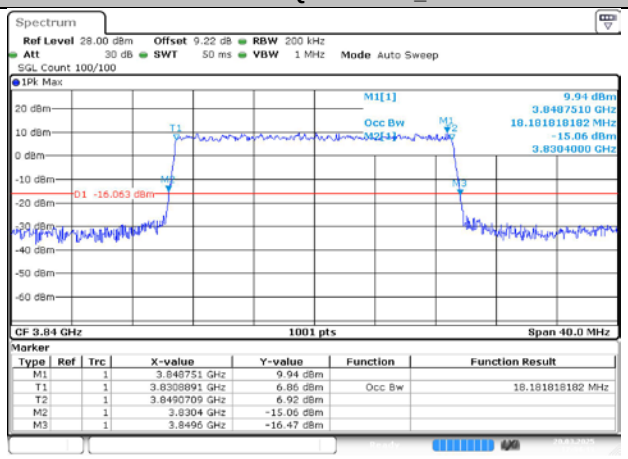
MCH / CP-QPSK / Outer_Full



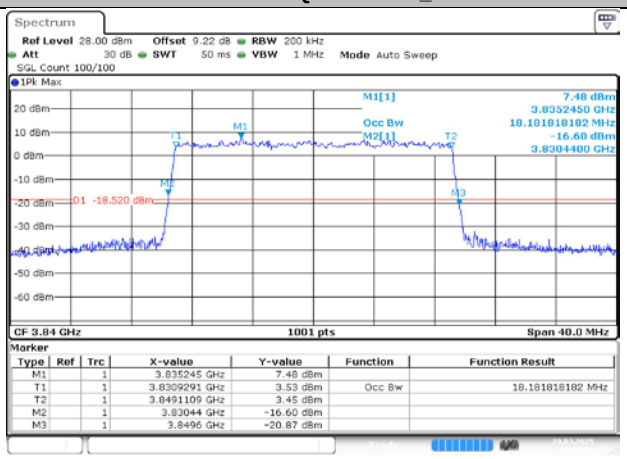
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

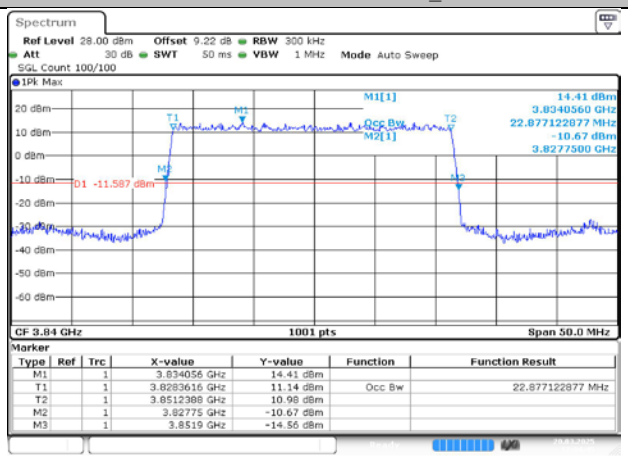


MCH / CP-256QAM / Outer_Full

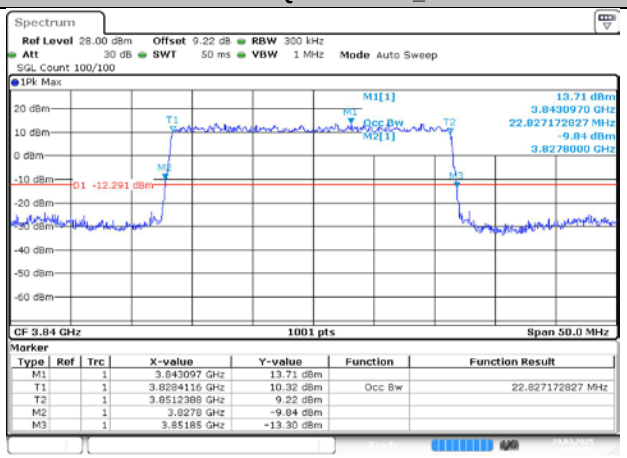


n77A / 30KHz / 25MHz

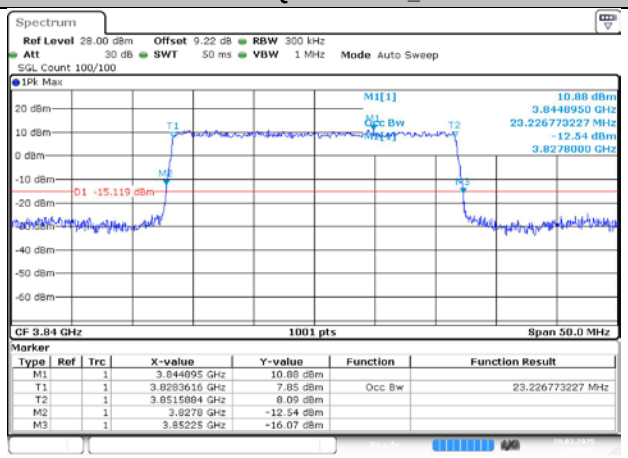
MCH / DFT-Pi2BPSK / Outer_Full



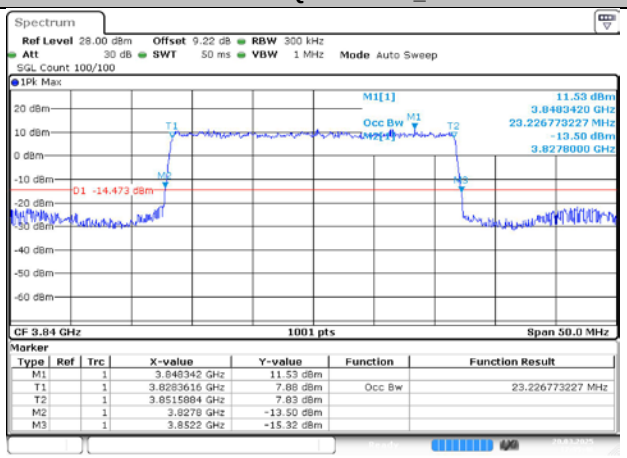
MCH / DFT-QPSK / Outer_Full



MCH / CP-QPSK / Outer_Full



MCH / CP-16QAM / Outer_Full



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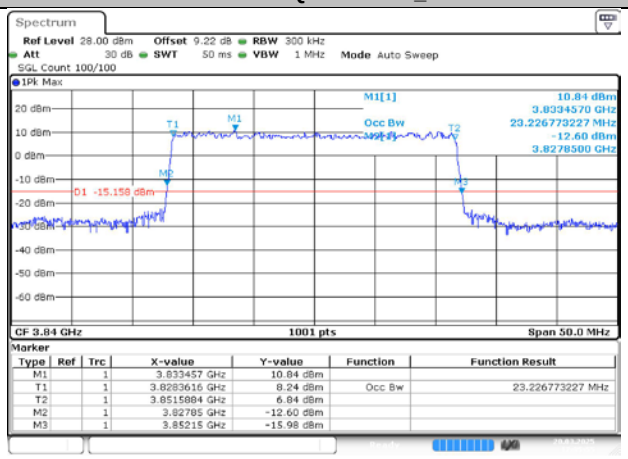
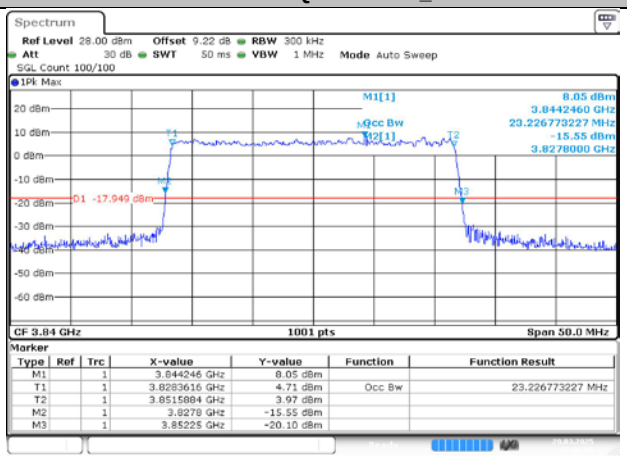
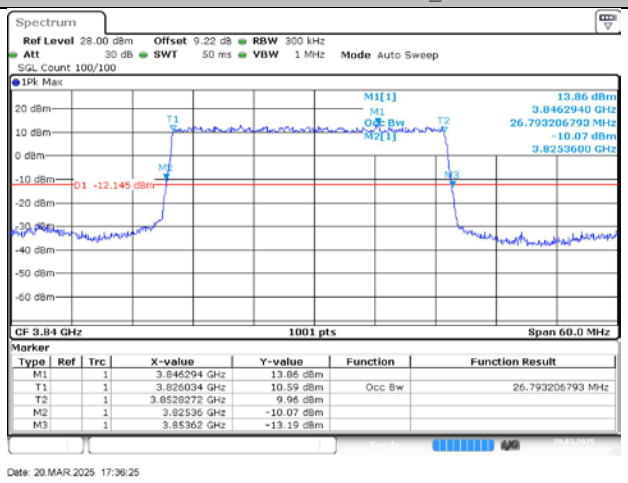


MCH / CP-256QAM / Outer_Full



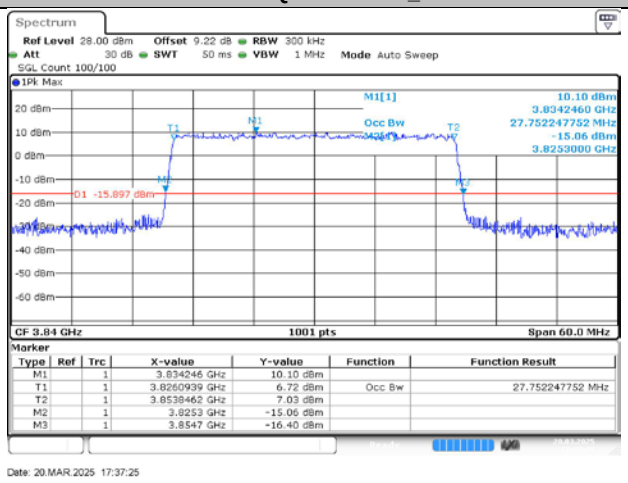
n77A / 30KHz / 30MHz

MCH / DFT-Pi2BPSK / Outer_Full

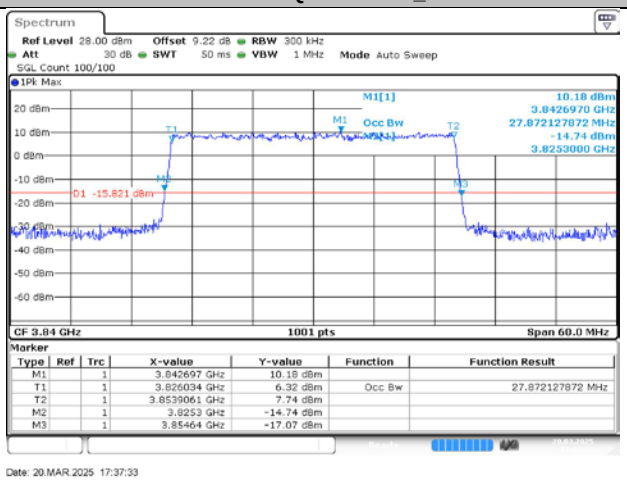


MCH / DFT-QPSK / Outer_Full

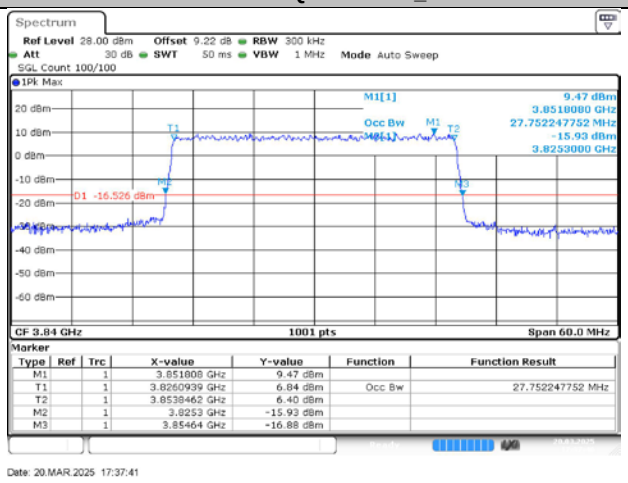
MCH / CP-QPSK / Outer_Full



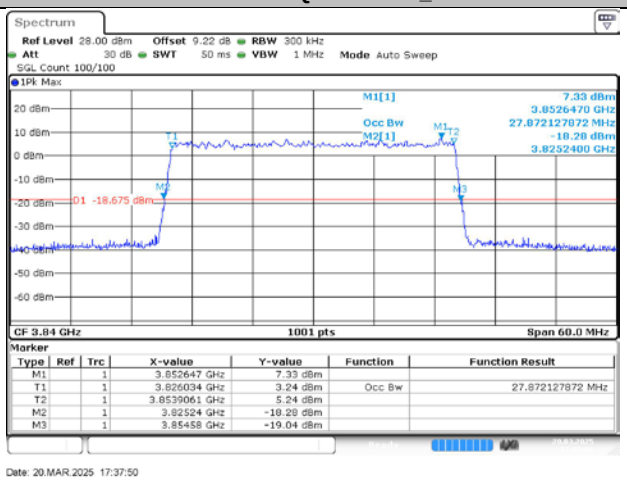
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

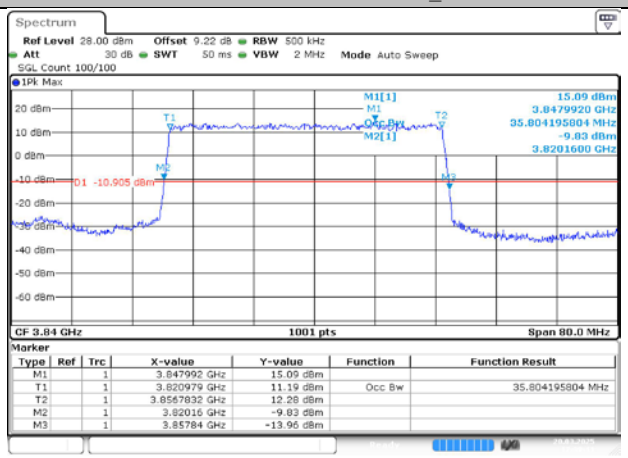


MCH / CP-256QAM / Outer_Full

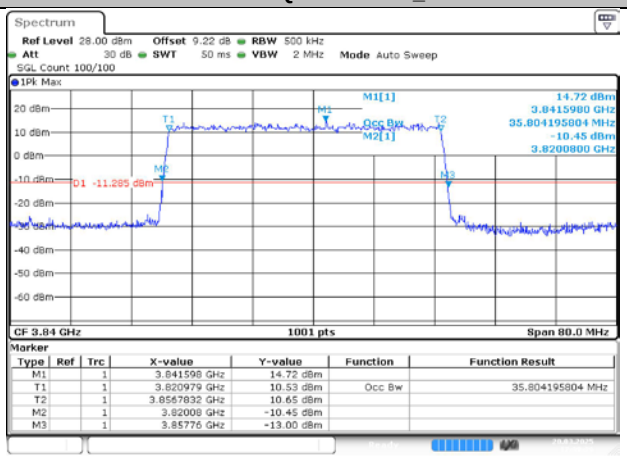


n77A / 30KHz / 40MHz

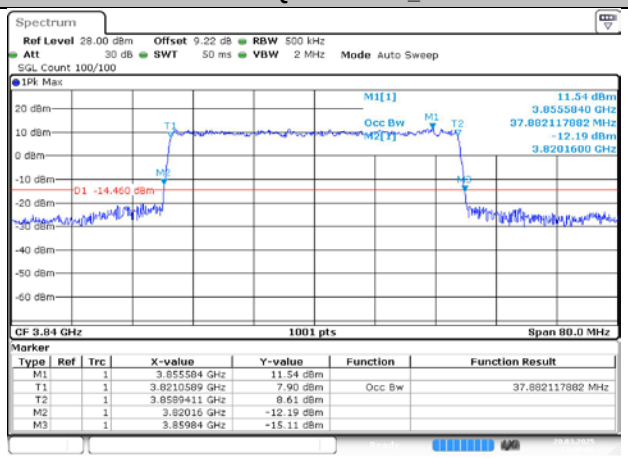
MCH / DFT-Pi2BPSK / Outer_Full



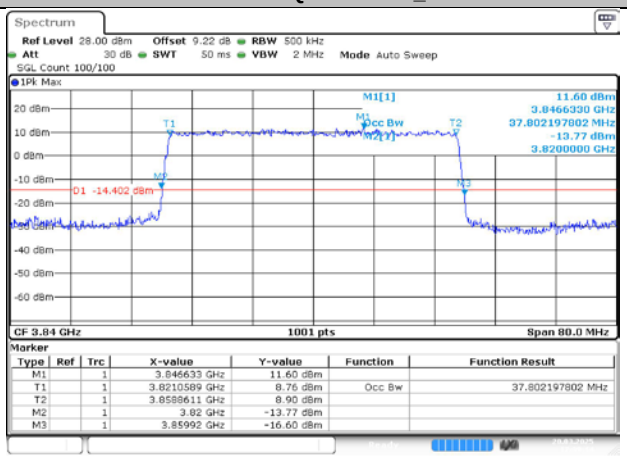
MCH / DFT-QPSK / Outer_Full



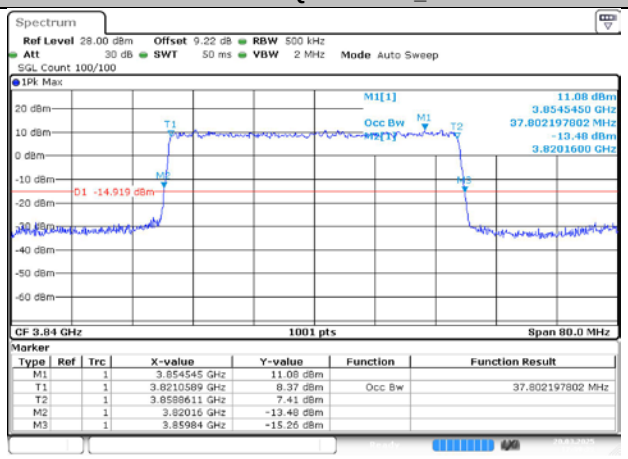
MCH / CP-QPSK / Outer_Full



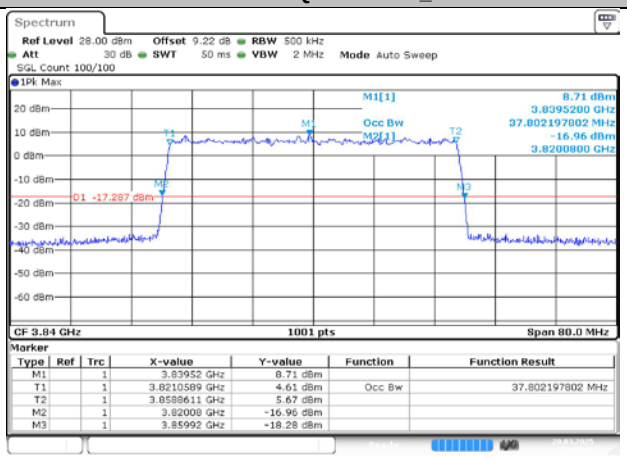
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

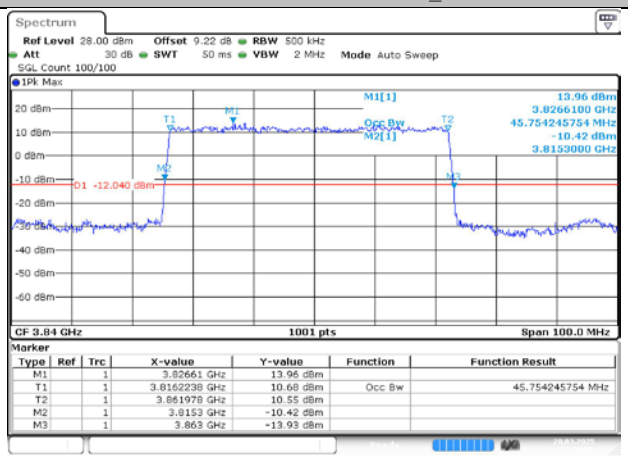


MCH / CP-256QAM / Outer_Full

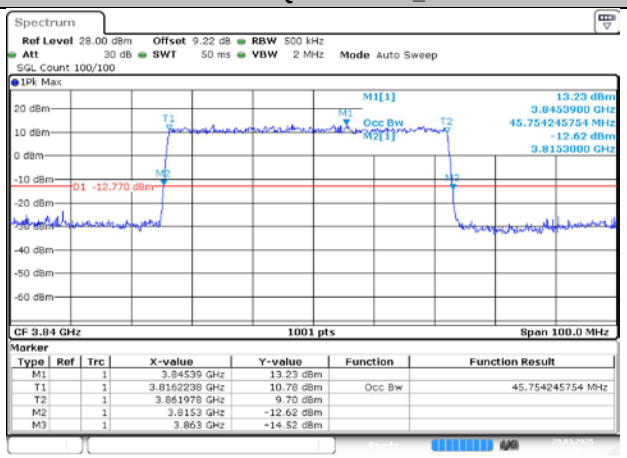


n77A / 30KHz / 50MHz

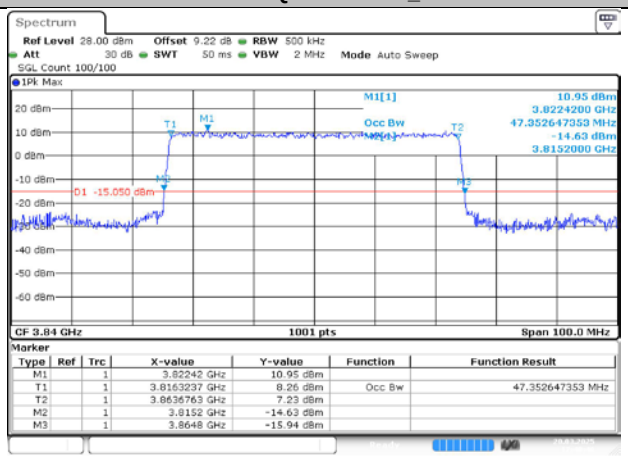
MCH / DFT-Pi2BPSK / Outer_Full



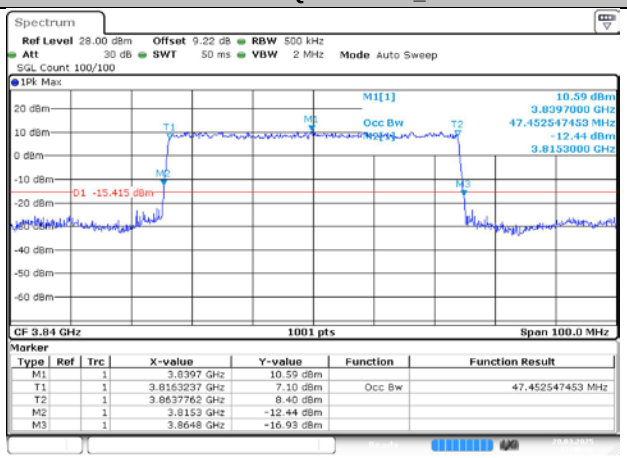
MCH / DFT-QPSK / Outer_Full



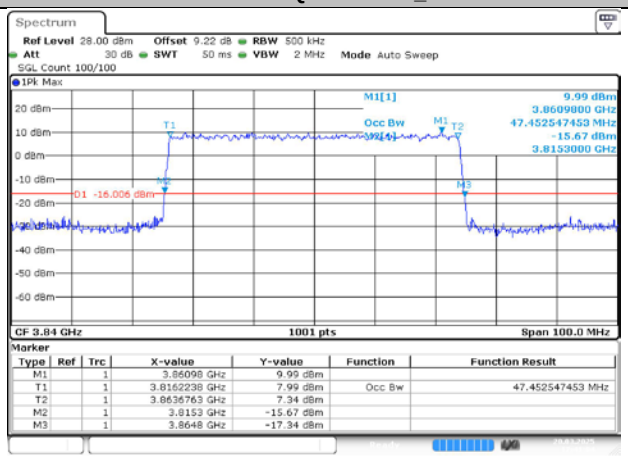
MCH / CP-QPSK / Outer_Full



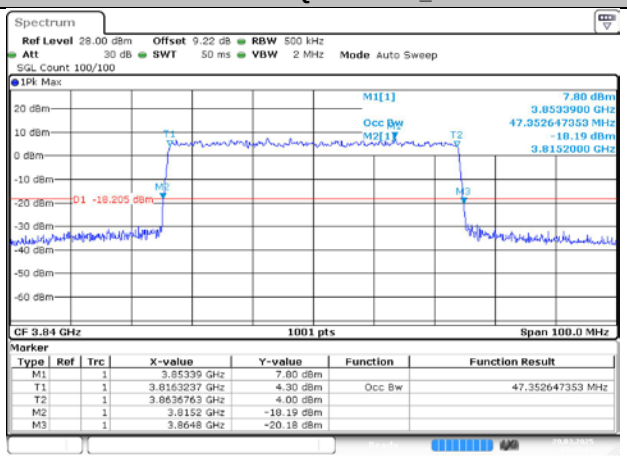
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

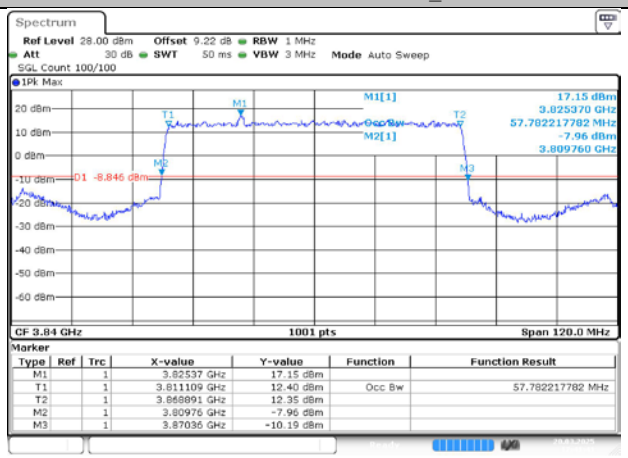


MCH / CP-256QAM / Outer_Full



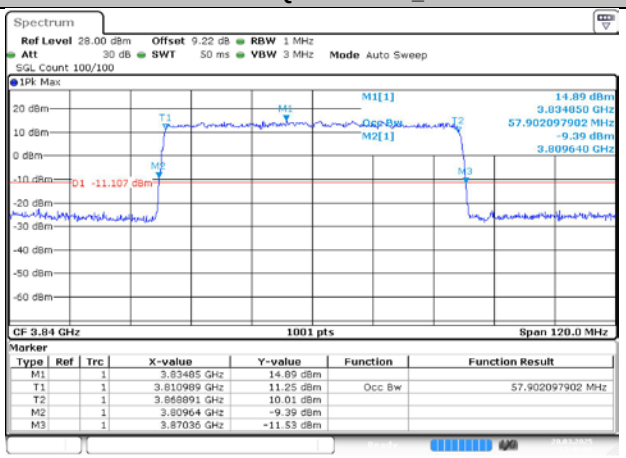
n77A / 30KHz / 60MHz

MCH / DFT-Pi2BPSK / Outer_Full



Date: 20.MAR.2025 17:41:41

MCH / DFT-QPSK / Outer_Full



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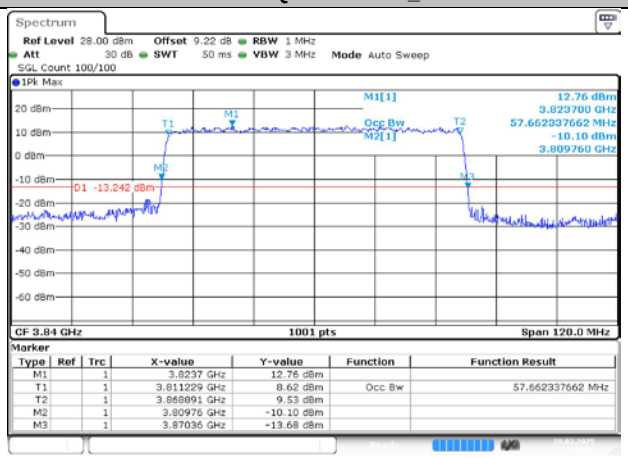
MCH / CP-QPSK / Outer_Full



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MCH / CP-16QAM / Outer_Full

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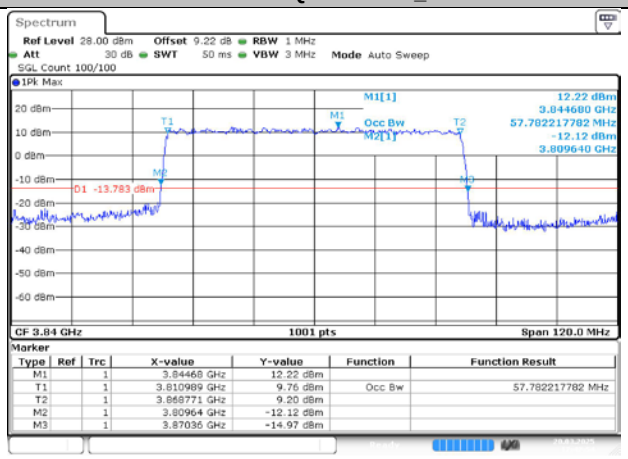
MCH / CP-64QAM / Outer_Full



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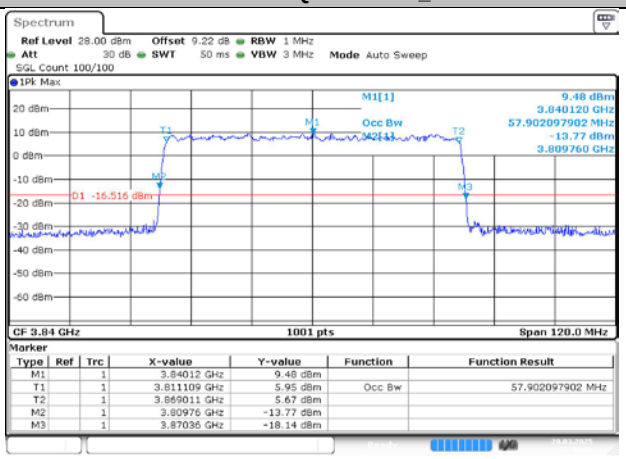
MCH / CP-256QAM / Outer_Full



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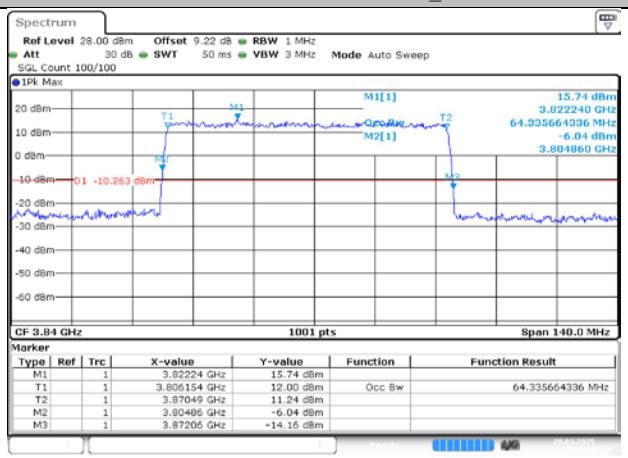
n77A / 30KHz / 70MHz

MCH / DFT-Pi2BPSK / Outer_Full



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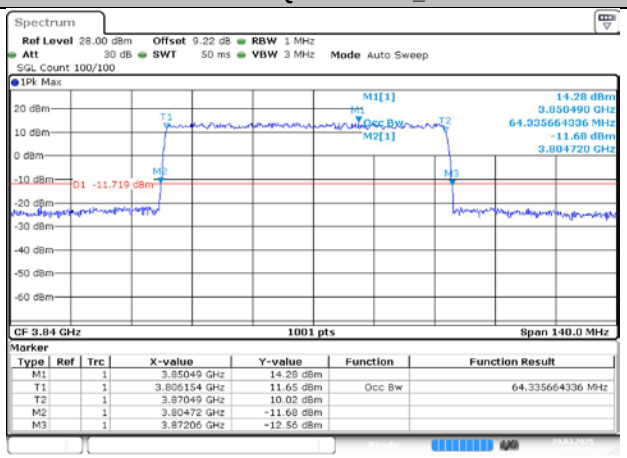
MCH / DFT-QPSK / Outer_Full



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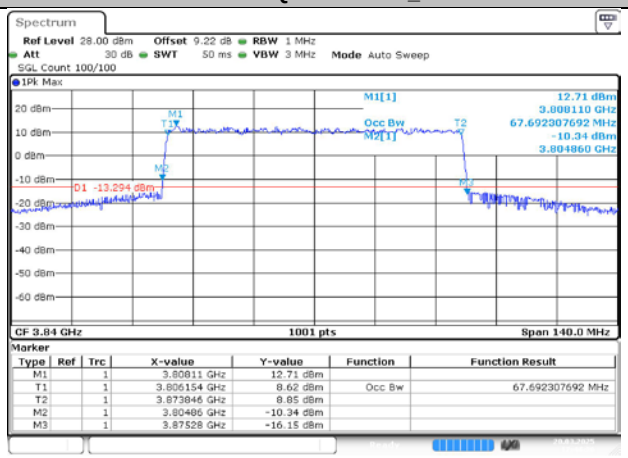
MCH / CP-QPSK / Outer_Full



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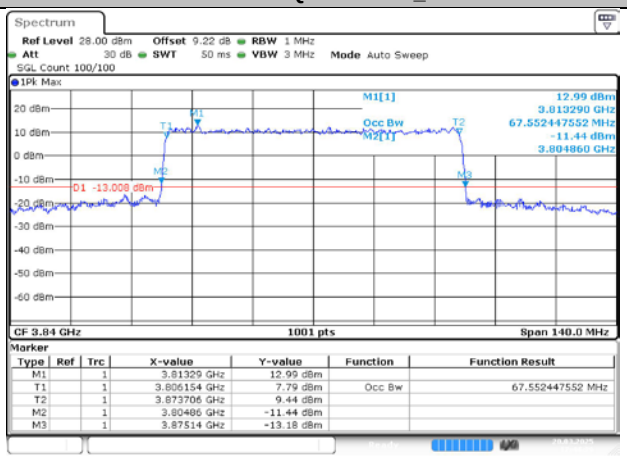
MCH / CP-16QAM / Outer_Full



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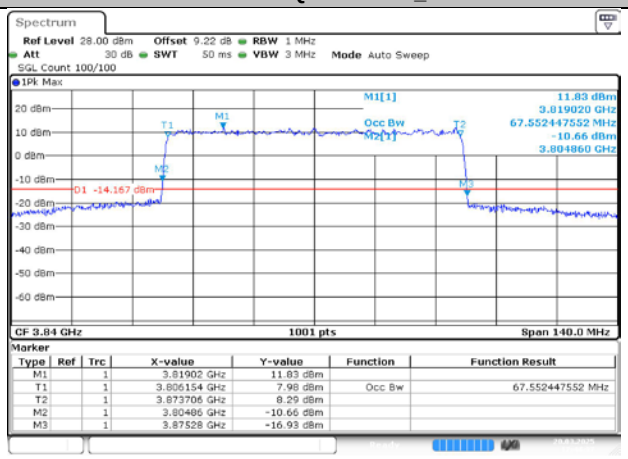
MCH / CP-64QAM / Outer_Full



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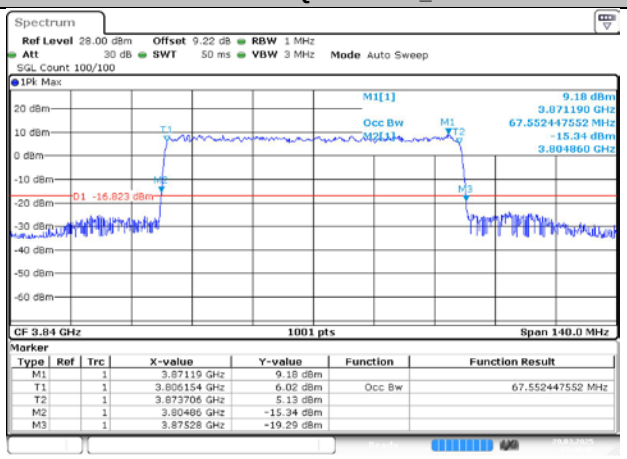
MCH / CP-256QAM / Outer_Full



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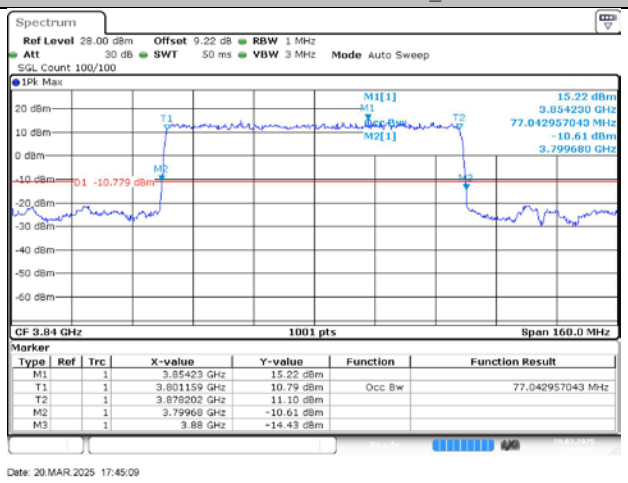
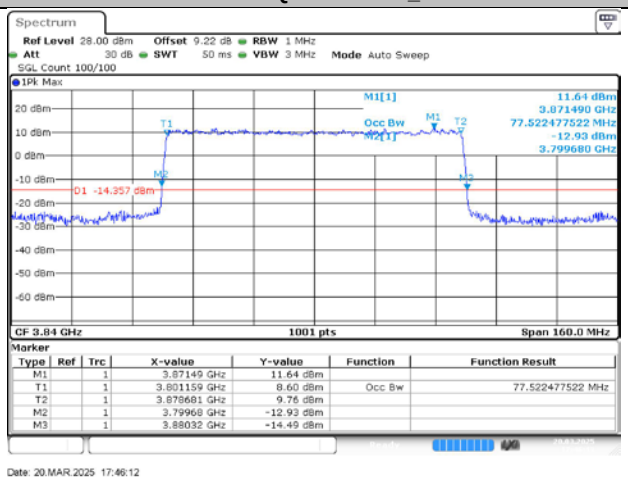
n77A / 30KHz / 80MHz

MCH / DFT-Pi2BPSK / Outer_Full



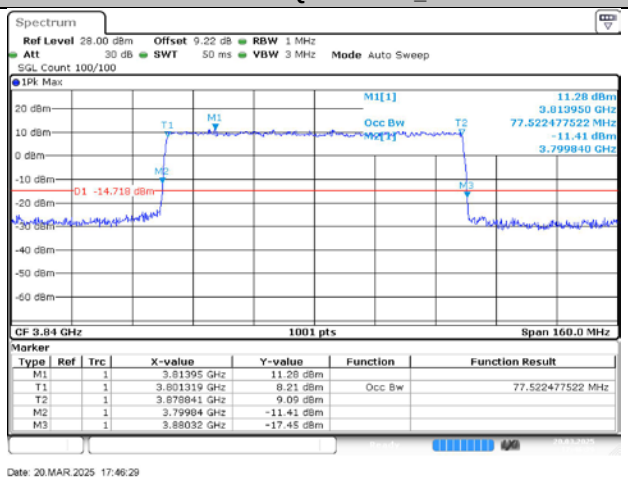
MCH / DFT-QPSK / Outer_Full

MCH / CP-QPSK / Outer_Full

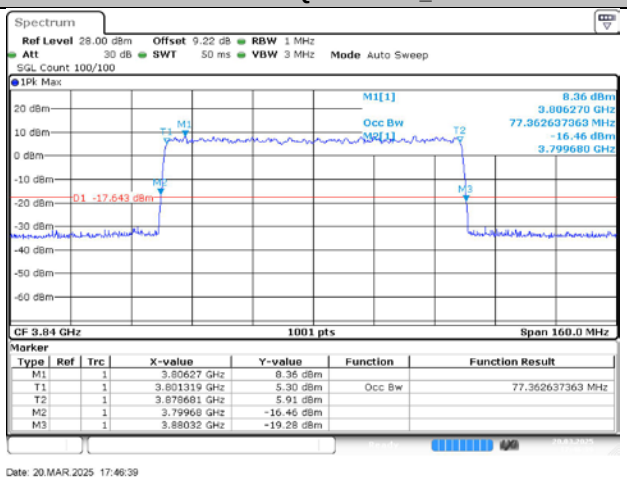


MCH / CP-16QAM / Outer_Full

MCH / CP-64QAM / Outer_Full

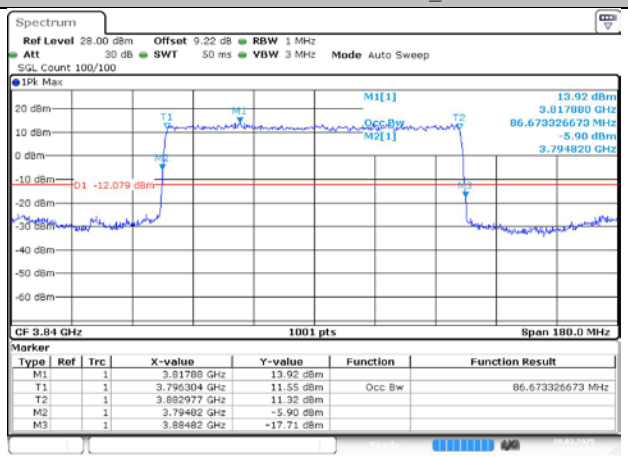


MCH / CP-256QAM / Outer_Full

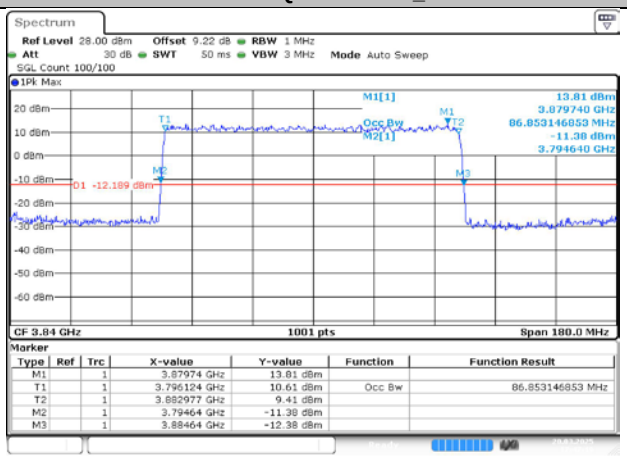


n77A / 30KHz / 90MHz

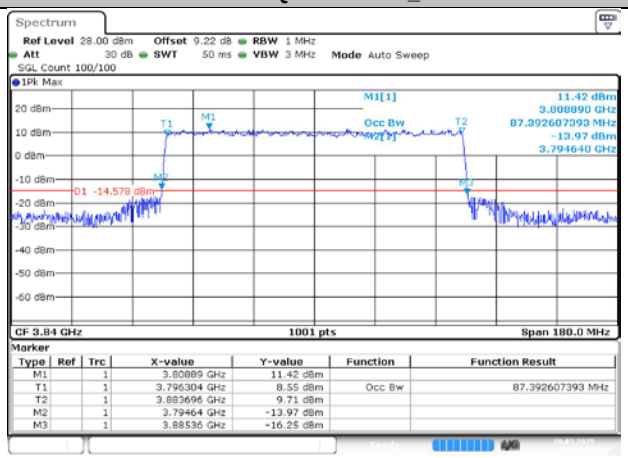
MCH / DFT-Pi2BPSK / Outer_Full



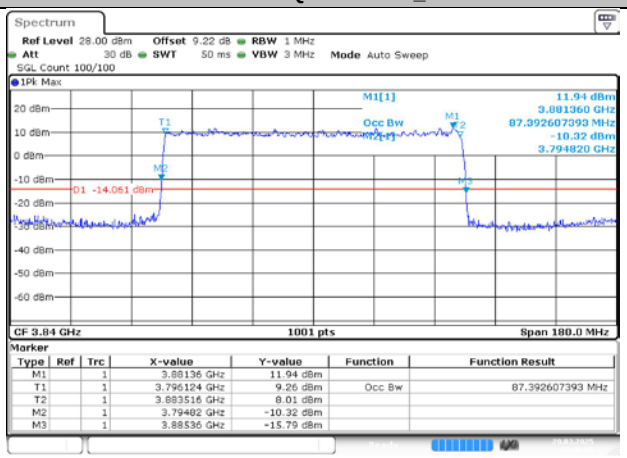
MCH / DFT-QPSK / Outer_Full



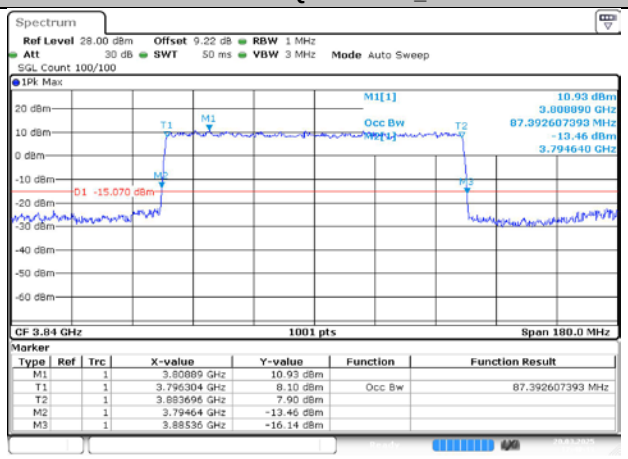
MCH / CP-QPSK / Outer_Full



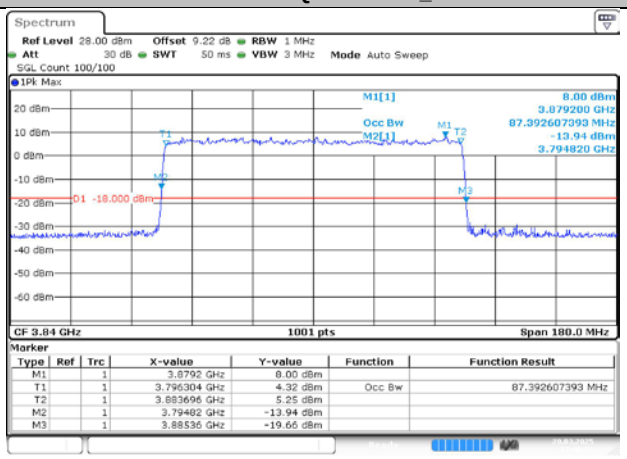
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

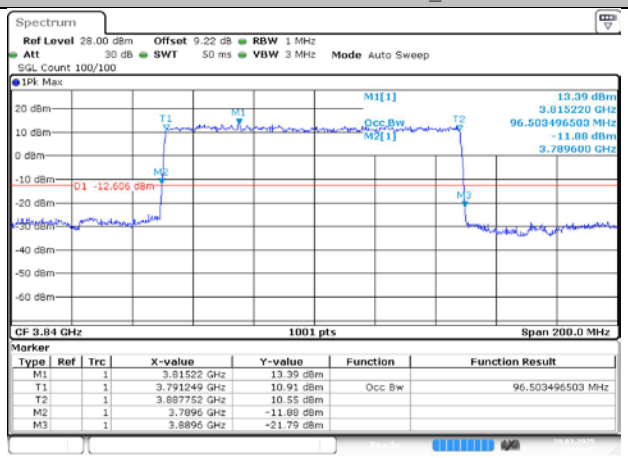


MCH / CP-256QAM / Outer_Full

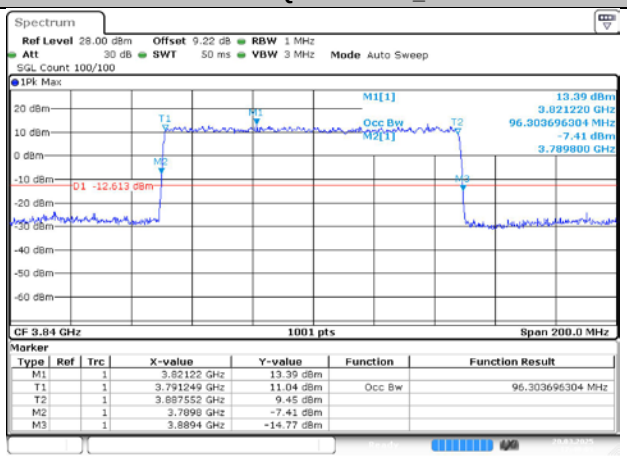


n77A / 30KHz / 100MHz

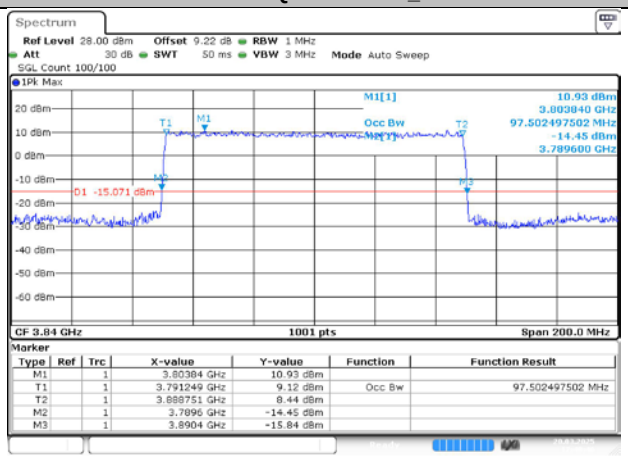
MCH / DFT-Pi2BPSK / Outer_Full



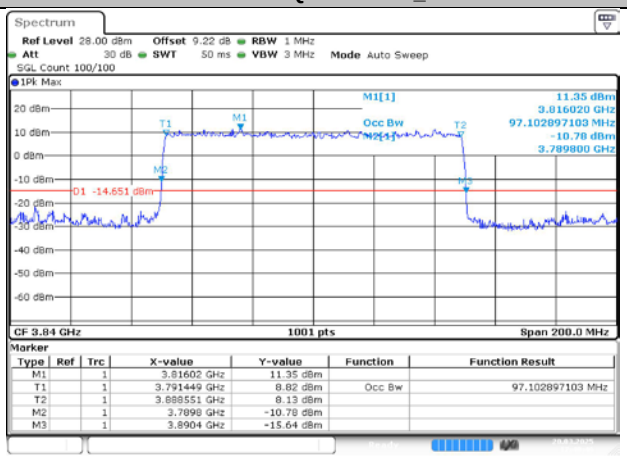
MCH / DFT-QPSK / Outer_Full



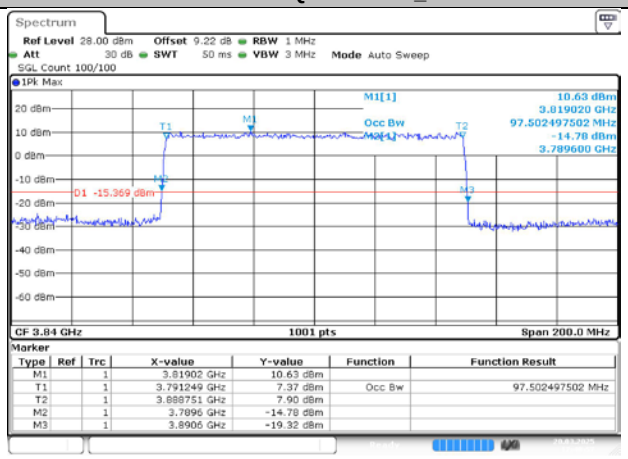
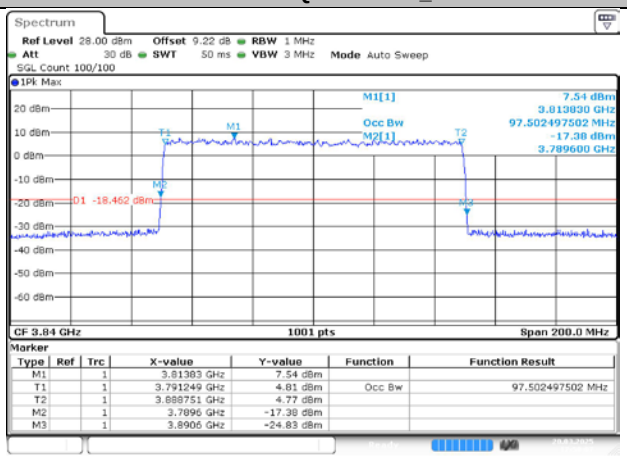
MCH / CP-QPSK / Outer_Full



MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full



MCH / CP-256QAM / Outer_Full