Appendix
for
n2A
(1850-1910)

Catalogue

1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant1 (Antenna Gain=-2.50dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
15KHz	5MHz	LCH	DFT-Pi2BPSK	23.31	23.15	23.03	20.81	30.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	23.26	23.06	23.26	20.76	30.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.78	21.53	21.91	19.41	30.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.82	20.70	20.82	18.32	30.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.12	18.22	18.80	16.30	30.00	Pass
15KHz	5MHz	LCH	CP-QPSK	21.76	21.85	21.73	19.35	30.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.86	23.12	22.93	20.62	30.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.94	23.06	22.90	20.56	30.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.42	21.42	21.90	19.40	30.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.70	20.57	20.52	18.20	30.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	17.84	18.09	18.43	15.93	30.00	Pass
15KHz	5MHz	MCH	CP-QPSK	21.71	21.82	21.39	19.32	30.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.99	22.92	22.88	20.49	30.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	23.01	22.89	22.92	20.51	30.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.54	21.37	21.81	19.31	30.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.67	20.70	20.88	18.38	30.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	17.95	17.83	18.35	15.85	30.00	Pass
15KHz	5MHz	HCH	CP-QPSK	21.49	21.46	21.19	18.99	30.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	23.22	23.10	23.14	20.72	30.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	23.27	23.03	23.18	20.77	30.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.76	21.50	21.75	19.26	30.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.94	20.73	20.72	18.44	30.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.21	18.13	18.56	16.06	30.00	Pass
15KHz	10MHz	LCH	CP-QPSK	22.00	21.54	21.16	19.50	30.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.86	23.05	22.90	20.55	30.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	23.14	22.92	22.60	20.64	30.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.45	21.75	21.82	19.32	30.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.46	20.59	20.34	18.09	30.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	17.81	17.86	18.23	15.73	30.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.37	21.46	20.92	18.96	30.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.82	22.90	22.97	20.47	30.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.96	23.17	22.90	20.67	30.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.42	21.49	21.18	18.99	30.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.43	20.44	20.16	17.94	30.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	17.91	17.77	18.24	15.74	30.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.32	21.44	21.08	18.94	30.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.10	22.90	22.98	20.60	30.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.13	22.89	22.99	20.63	30.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	21.65	21.30	21.53	19.15	30.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.91	20.50	20.59	18.41	30.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.06	17.81	18.45	15.95	30.00	Pass
15KHz	15MHz	LCH	CP-QPSK	21.68	21.37	21.43	19.18	30.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.75	22.94	22.91	20.44	30.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.85	22.89	23.00	20.50	30.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.30	21.48	21.43	18.98	30.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.43	20.59	20.44	18.09	30.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	17.78	17.87	18.35	15.85	30.00	Pass
15KHz	15MHz	MCH	CP-QPSK	21.31	21.54	21.36	19.04	30.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.93	22.80	22.94	20.44	30.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.93	22.83	22.94	20.44	30.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.52	21.34	21.49	19.02	30.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.64	20.57	20.51	18.14	30.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	17.96	17.80	18.34	15.84	30.00	Pass
15KHz	15MHz	HCH	CP-QPSK	21.57	21.41	21.39	19.07	30.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.20	22.83	23.01	20.70	30.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	23.12	22.78	23.00	20.62	30.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.73	21.37	21.50	19.23	30.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.85	20.47	20.57	18.35	30.00	Pass

15KHz	20MHz	LCH	DFT-256QAM	18.14	17.82	18.41	15.91	30.00	Pass
15KHz	20MHz	LCH	CP-QPSK	21.66	21.32	21.52	19.16	30.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.71	23.02	22.91	20.52	30.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.78	22.97	22.94	20.47	30.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.34	21.53	21.39	19.03	30.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.45	20.60	20.48	18.10	30.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	17.73	17.99	18.32	15.82	30.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.33	21.50	21.41	19.00	30.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.87	22.83	23.06	20.56	30.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	23.04	22.89	23.00	20.54	30.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.47	21.44	21.56	19.06	30.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.65	20.56	20.58	18.15	30.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	17.85	17.83	18.47	15.97	30.00	Pass
15KHz	20MHz	HCH	CP-QPSK	21.50	21.35	21.55	19.05	30.00	Pass

2. Peak-to-Average Ratio

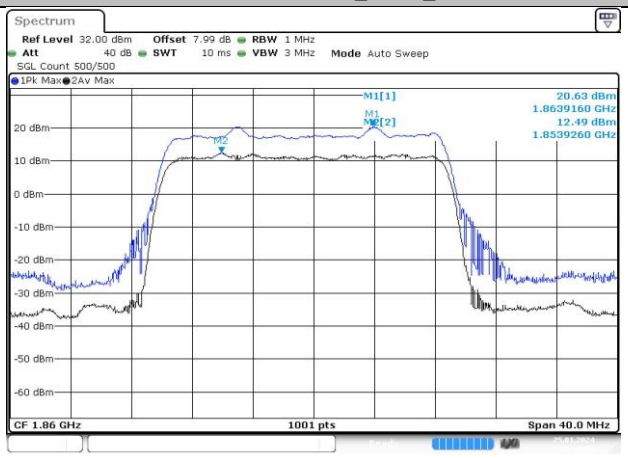
2.1. Test Results

SCS	Bandwidth	Channel	Modulation	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	8.14	6.56	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.62	7.10	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.78	7.23	13.00	Pass

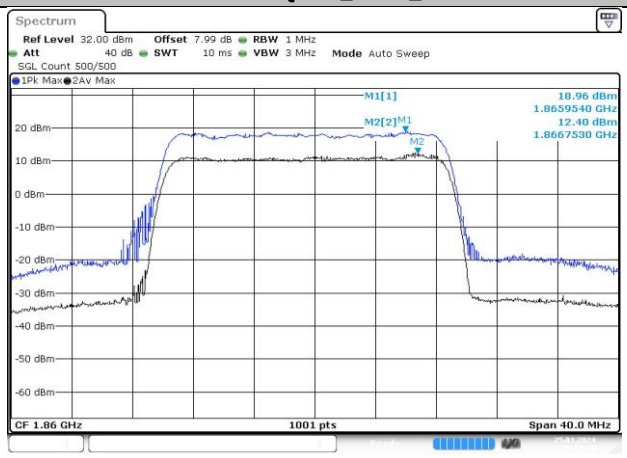
2.2. Test Plots

n2A / 15KHz / 20MHz

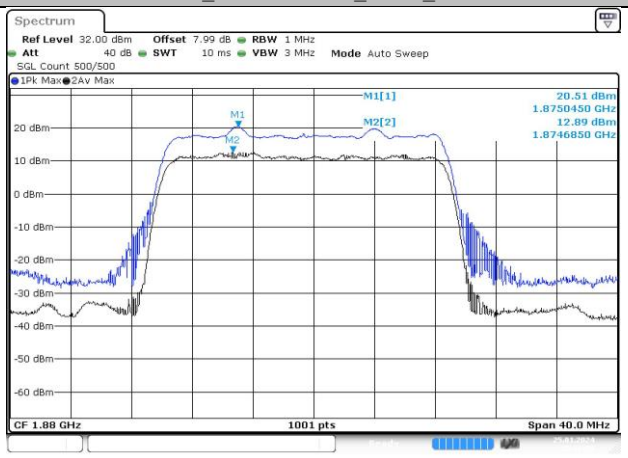
LCH / DFT-Pi2BPSK_Outer_Full



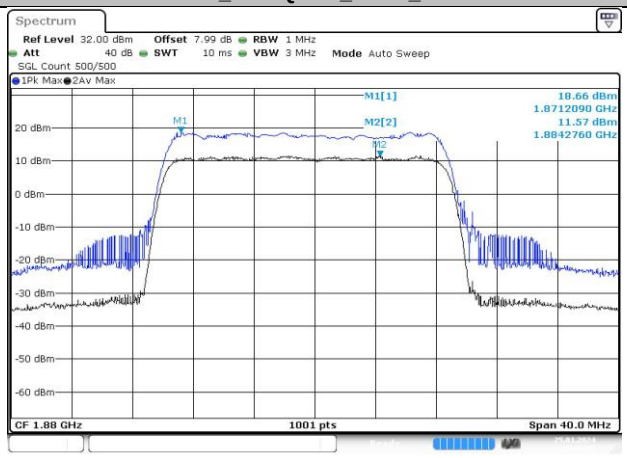
LCH / DFT-QPSK_Outer_Full



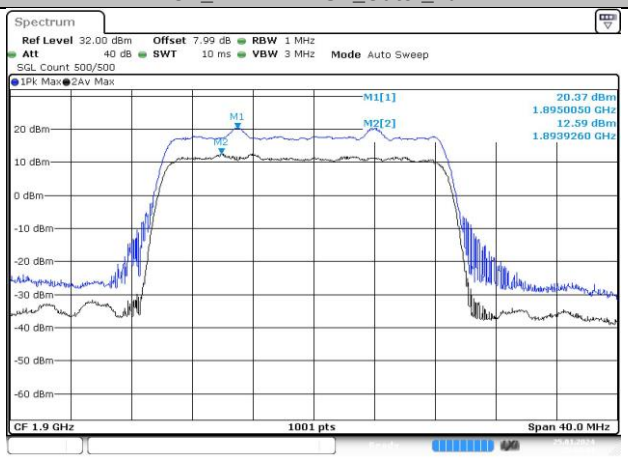
MCH_DFT-Pi2BPSK_Outer_Full



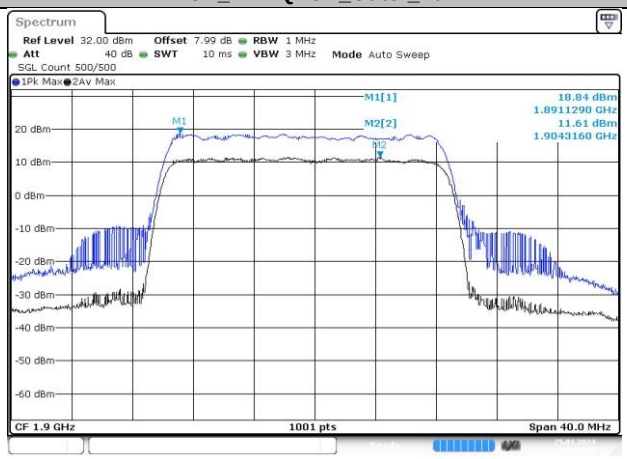
MCH_DFT-QPSK_Outer_Full



HCH_DFT-Pi2BPSK_Outer_Full



HCH_DFT-QPSK_Outer_Full



3. Modulation Characteristics

3.1. Test Plots

n2A / 15KHz / 20MHz	
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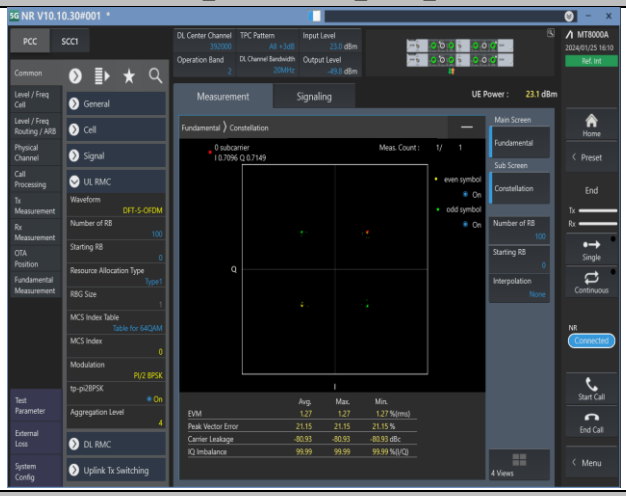
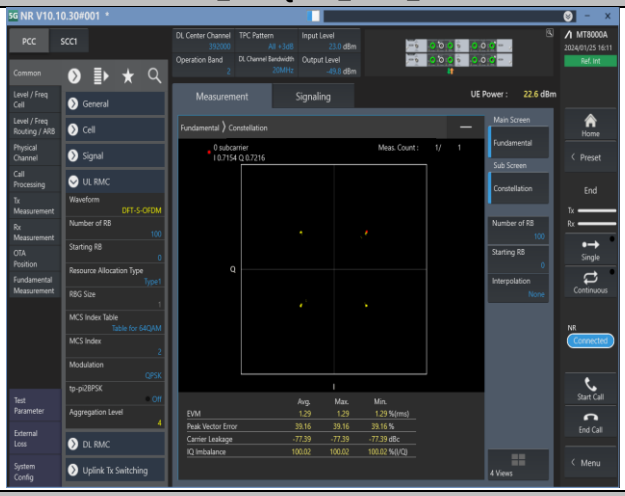
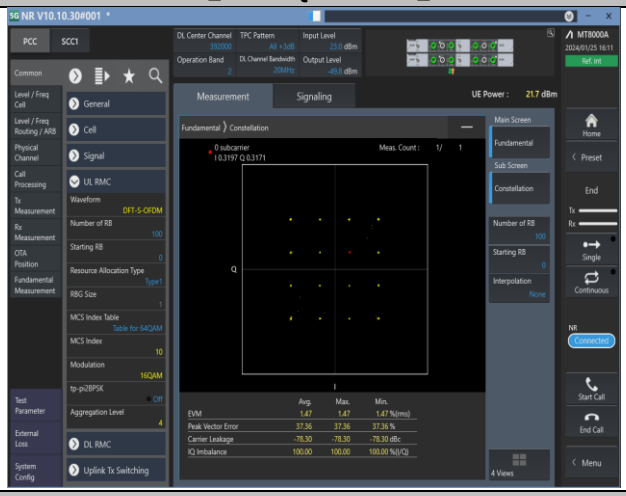
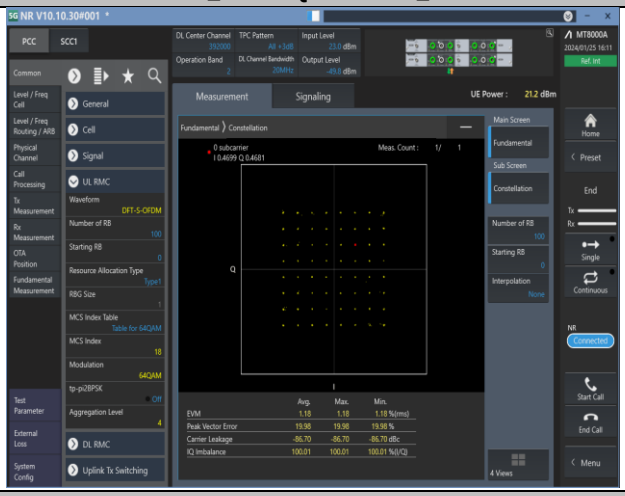
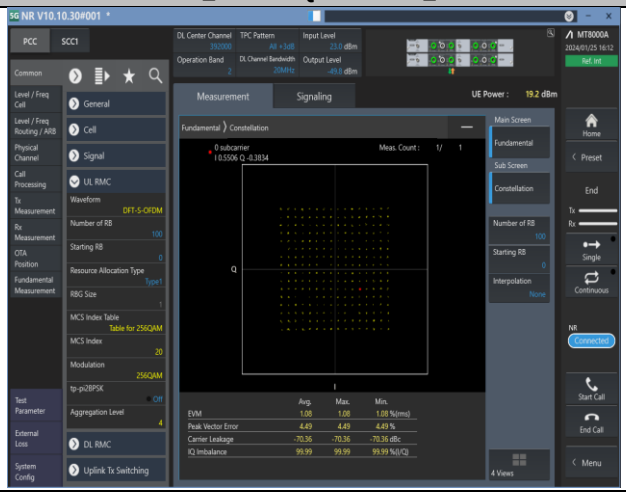
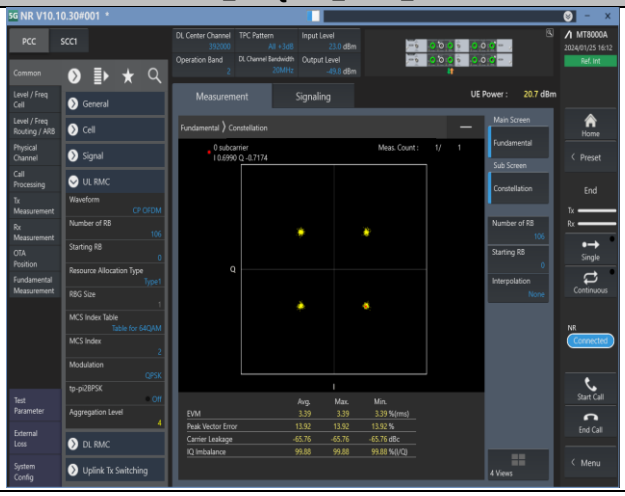
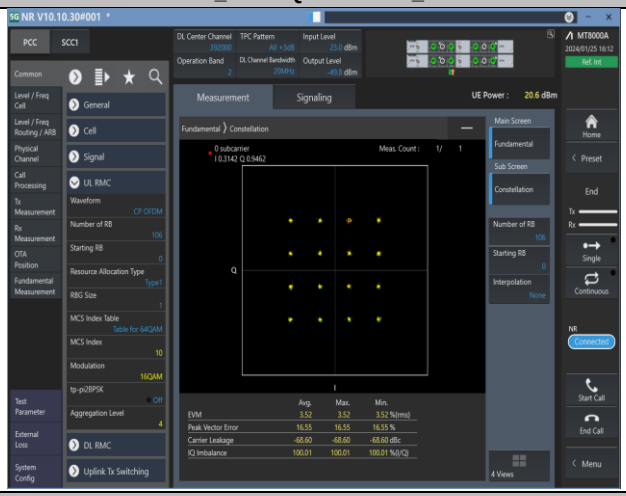
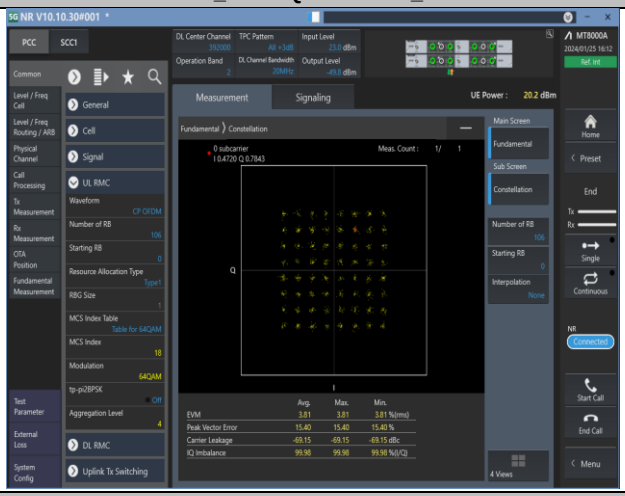
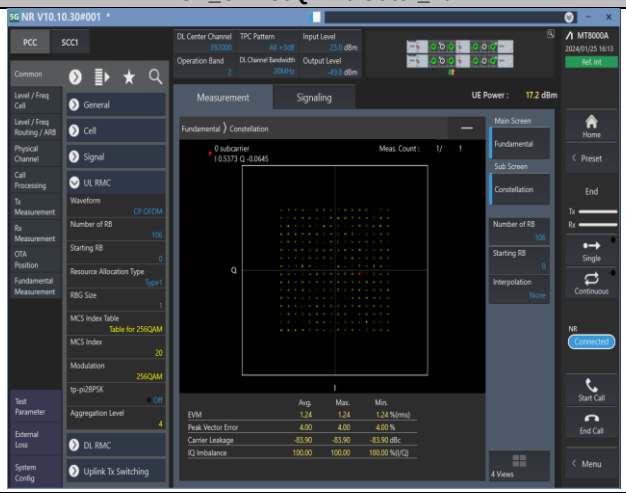
	
MCH_DFT-16QAM / Outer_Full	MCH_DFT-64QAM / Outer_Full
	
MCH_DFT-256QAM / Outer_Full	MCH_CP-QPSK_Outer_Full
	

MCH_CP-16QAM / Outer_Full	MCH_CP-64QAM / Outer_Full
	
MCH_CP-256QAM / Outer_Full	
	***Intentionally Blank***

4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

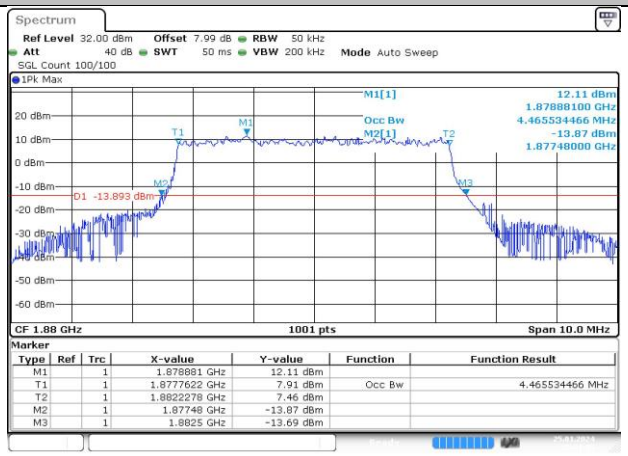
4.1. Test Results

SCS	Bandwidth	Modulation	RB Config	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.47	5.02	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.89	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.49	5.17	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.51	5.18	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.49	5.21	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	5.13	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.91	9.60	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.93	9.74	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.29	10.16	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	10.06	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.29	9.98	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.31	10.18	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.49	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.37	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	15.15	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	15.18	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.60	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	15.21	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.90	18.92	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.92	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.94	20.12	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.98	20.12	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.94	20.04	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.98	20.04	Pass

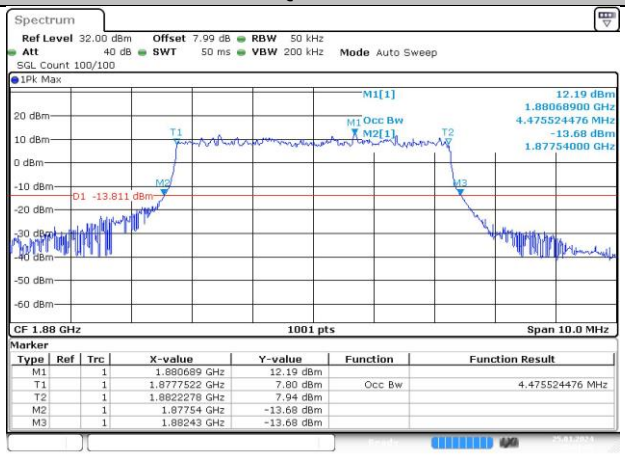
4.2. Test Plots

n2A / 15KHz / 5MHz

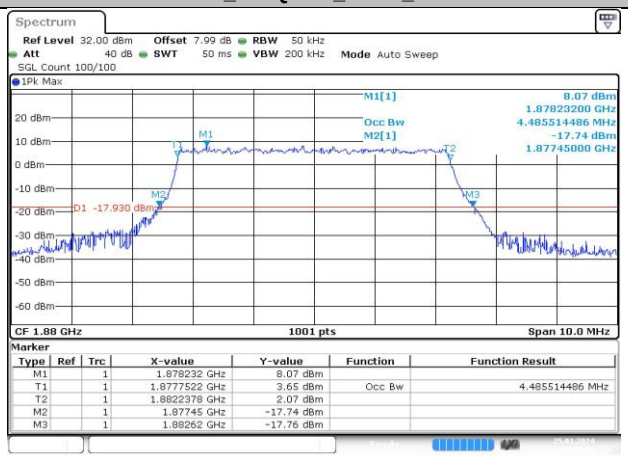
MCH_DFT-Pi2BPSK_Outer_Full



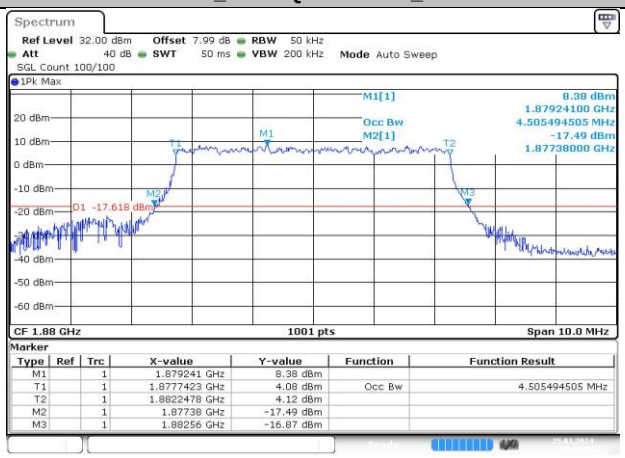
MCH_DFT-QPSK_Outer_Full



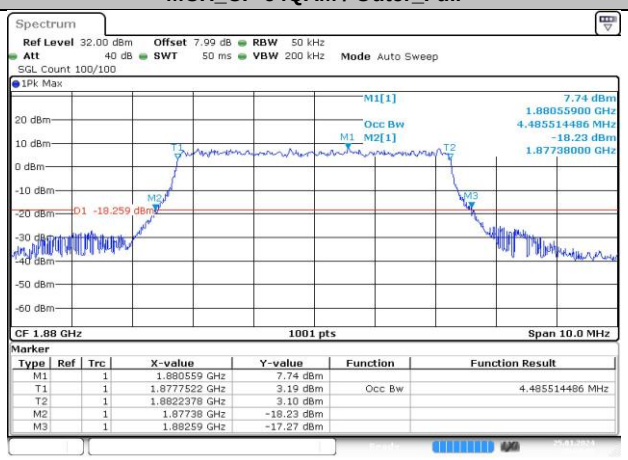
MCH_CP-QPSK_Outer_Full



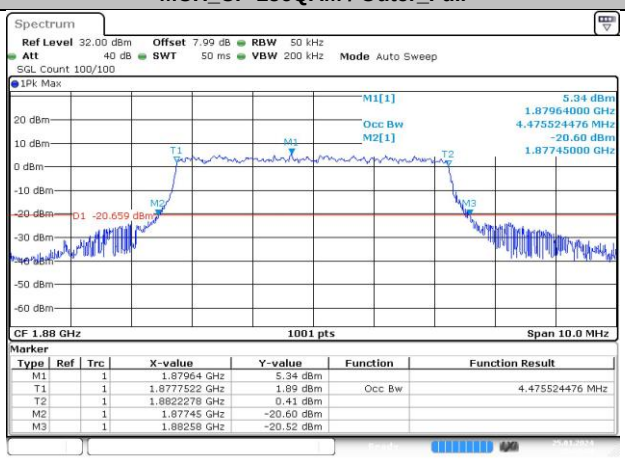
MCH_CP-16QAM / Outer_Full



MCH_CP-64QAM / Outer_Full

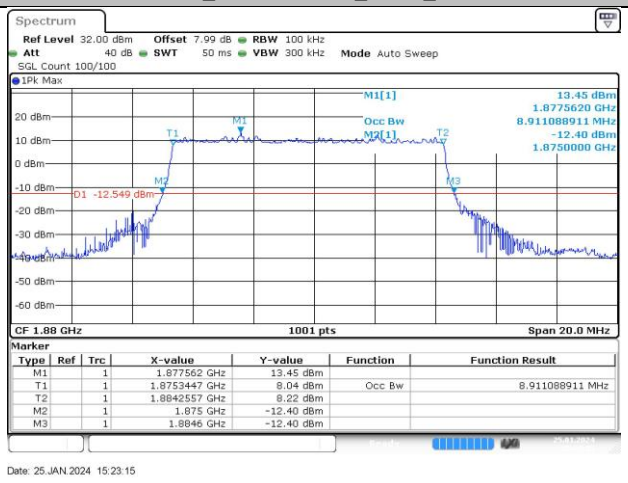


MCH_CP-256QAM / Outer_Full

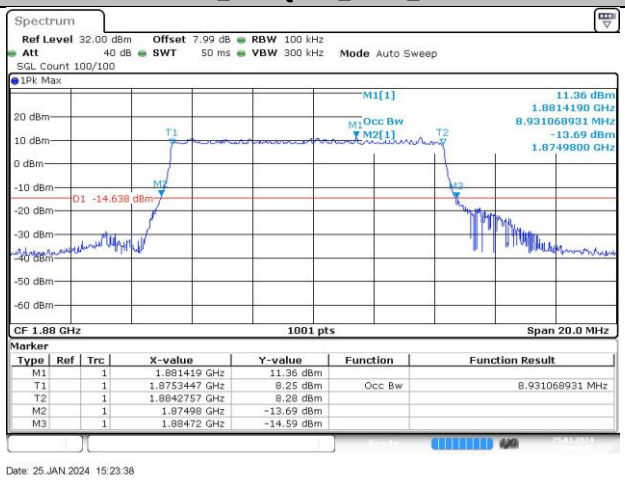


n2A / 15KHz / 10MHz

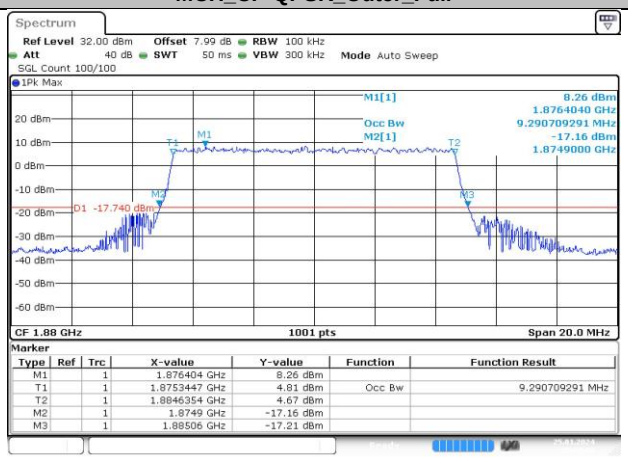
MCH_DFT-Pi2BPSK_Outer_Full



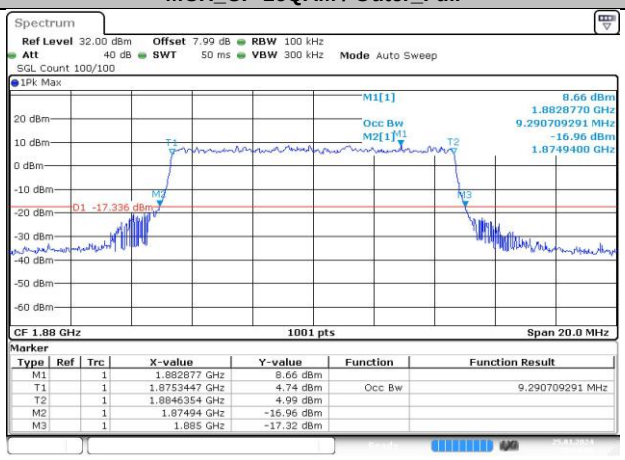
MCH_DFT-QPSK_Outer_Full



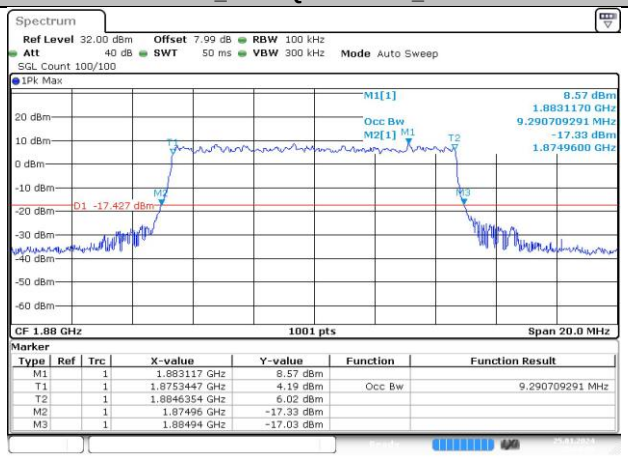
MCH_CP-QPSK_Outer_Full



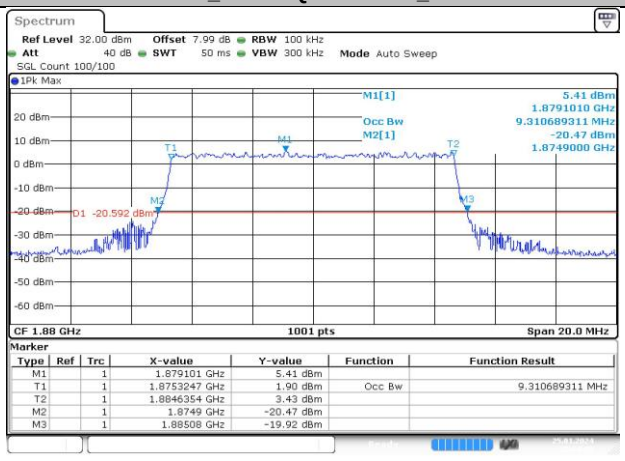
MCH_CP-16QAM / Outer_Full



MCH_CP-64QAM / Outer_Full

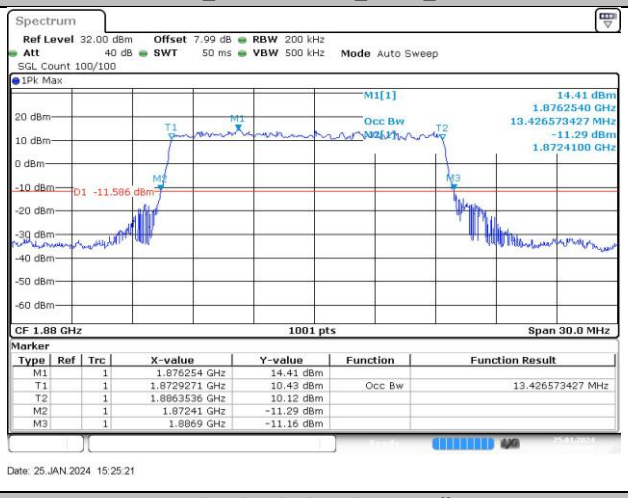


MCH_CP-256QAM / Outer_Full

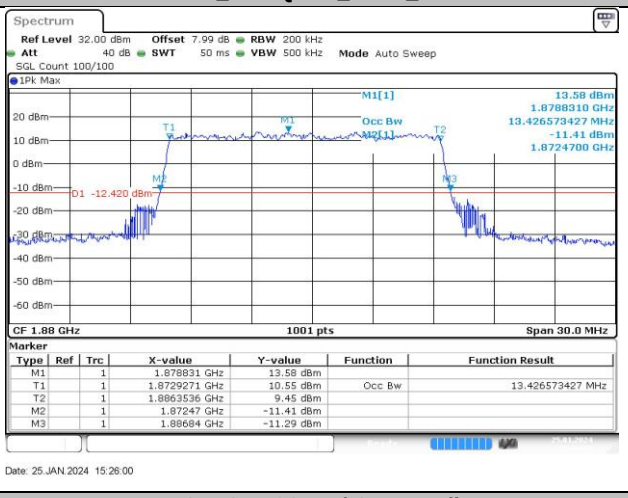


n2A / 15KHz / 15MHz

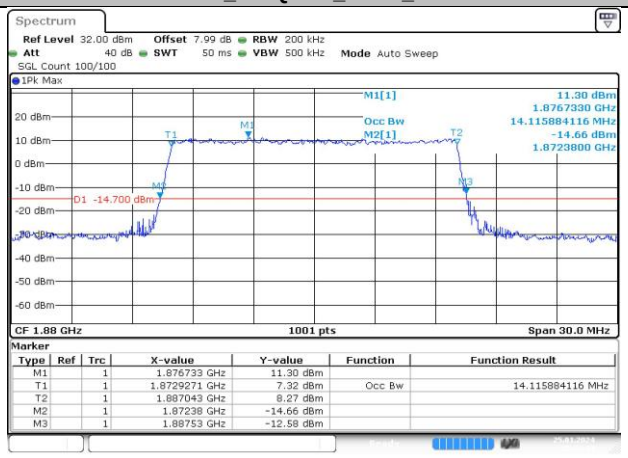
MCH_DFT-Pi2BPSK_Outer_Full



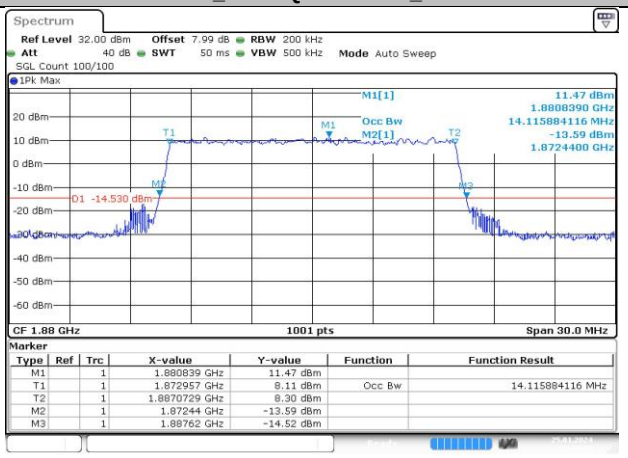
MCH_DFT-QPSK_Outer_Full



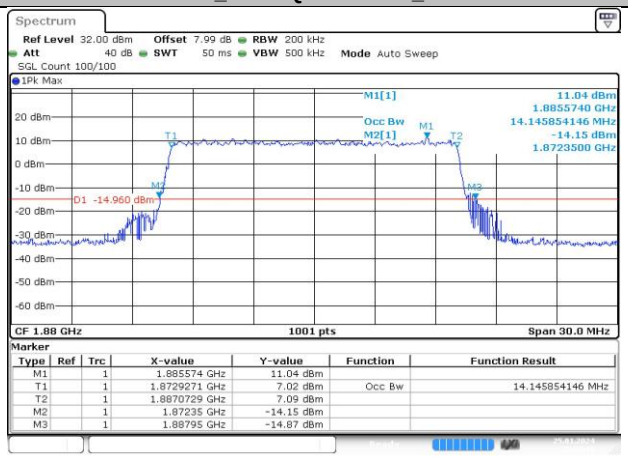
MCH_CP-QPSK_Outer_Full



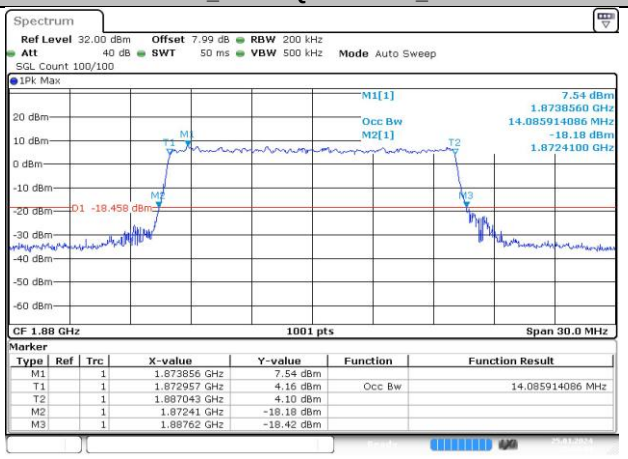
MCH_CP-16QAM / Outer_Full



MCH_CP-64QAM / Outer_Full



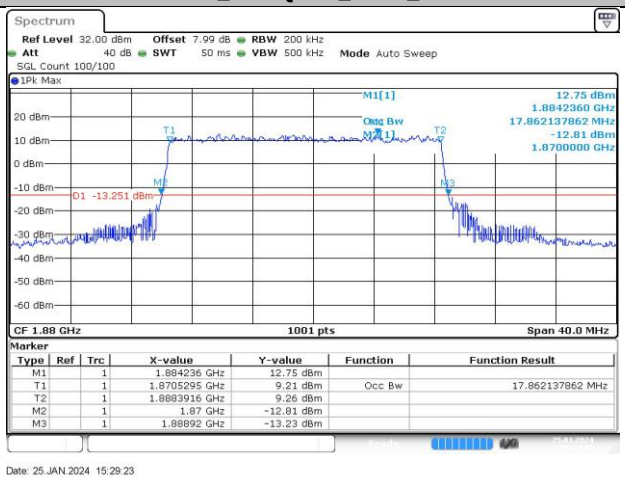
MCH_CP-256QAM / Outer_Full



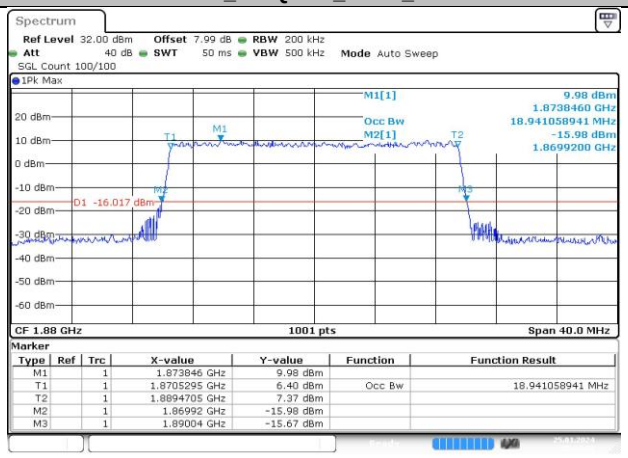
n2A / 15KHz / 20MHz

MCH_DFT-Pi2BPSK_Outer_Full

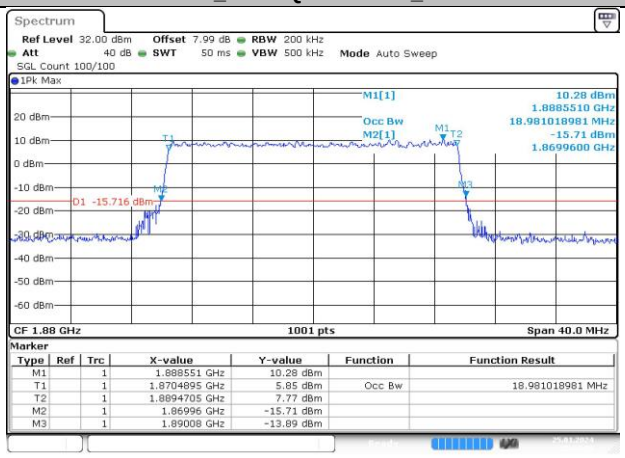
MCH_DFT-QPSK_Outer_Full



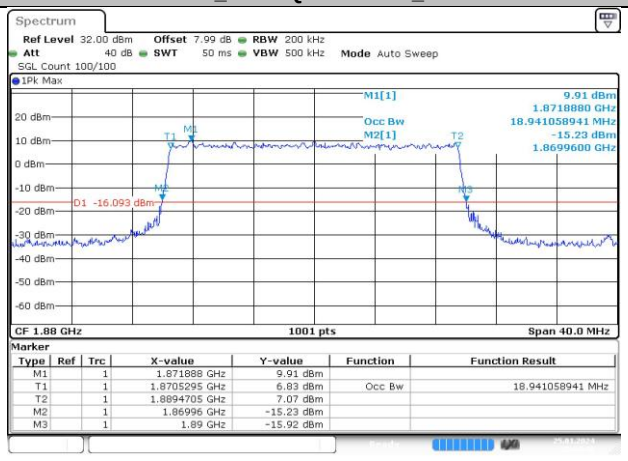
MCH_CP-QPSK_Outer_Full



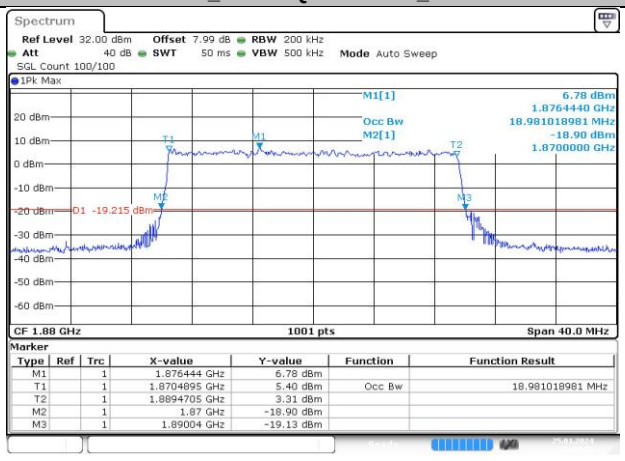
MCH_CP-16QAM / Outer_Full



MCH_CP-64QAM / Outer_Full



MCH_CP-256QAM / Outer_Full

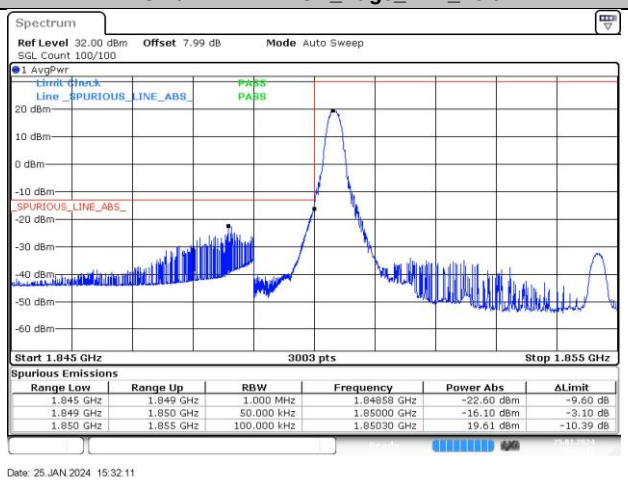


5. Conducted Band Edges

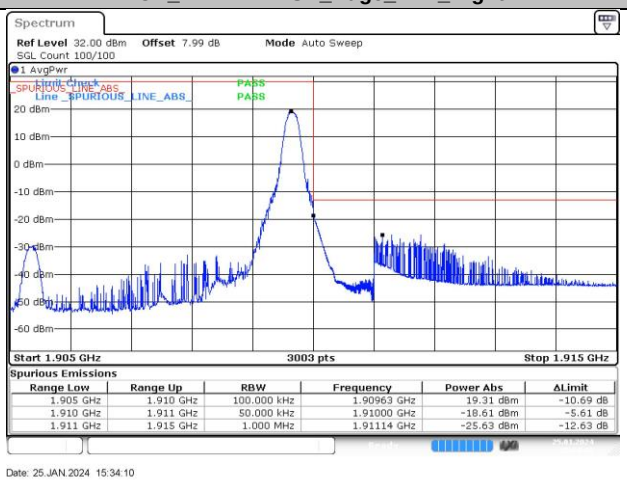
5.1. Test Plots

n2A / 15KHz / 5MHz

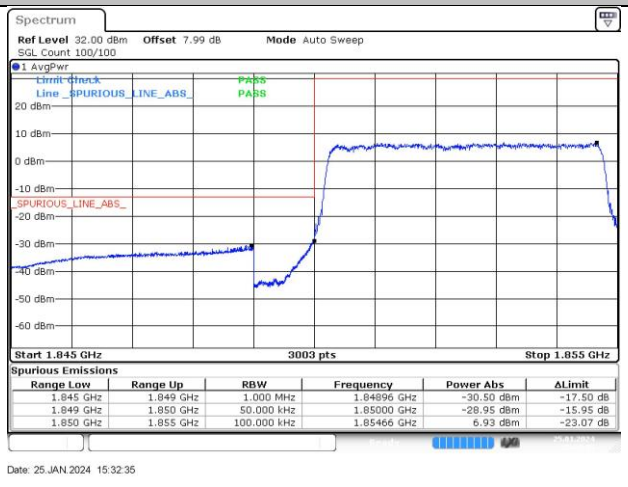
LCH / DFT-Pi2BPSK_Edge_1RB_Left



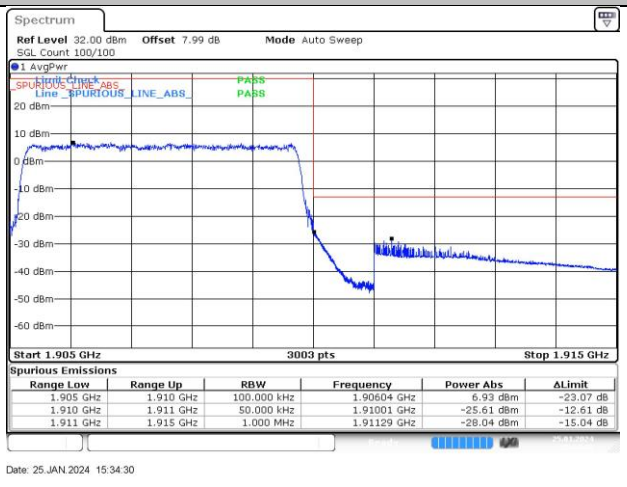
HCH_DFT-Pi2BPSK_Edge_1RB_Right



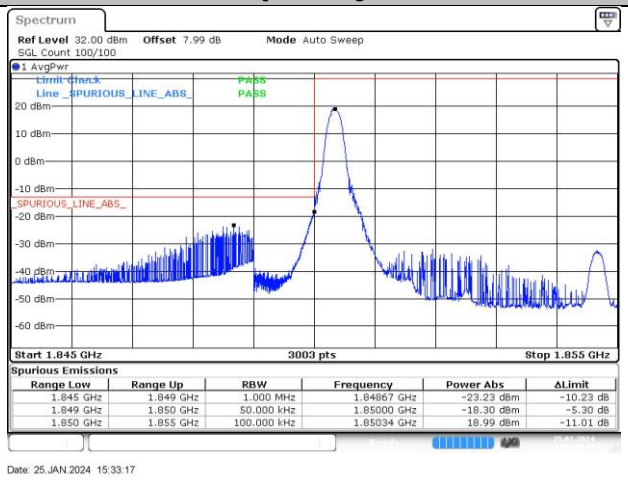
LCH / DFT-Pi2BPSK_Outer_Full



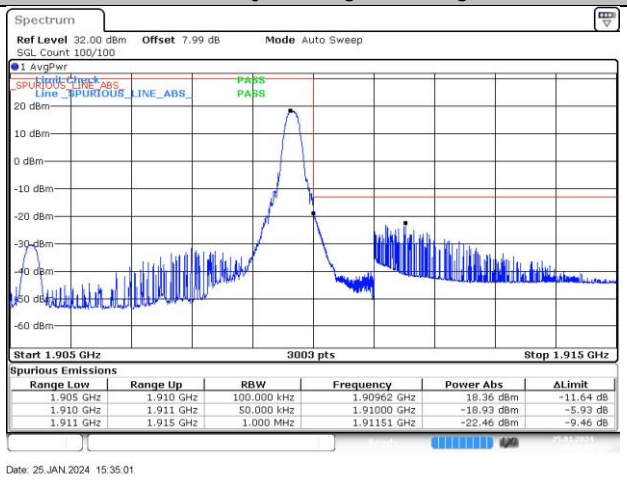
HCH_DFT-Pi2BPSK_Outer_Full



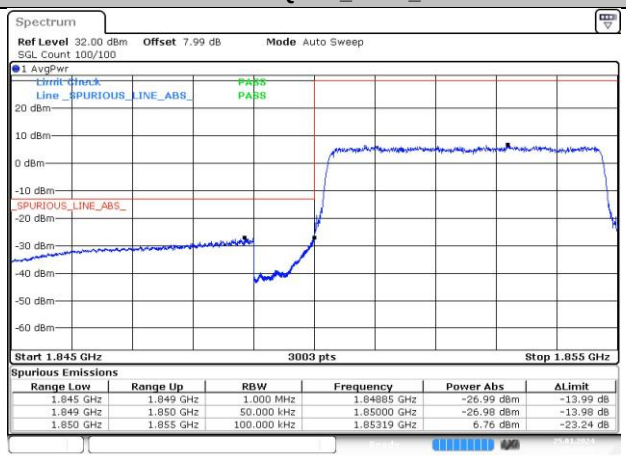
LCH / DFT-QPSK_Edge_1RB_Left



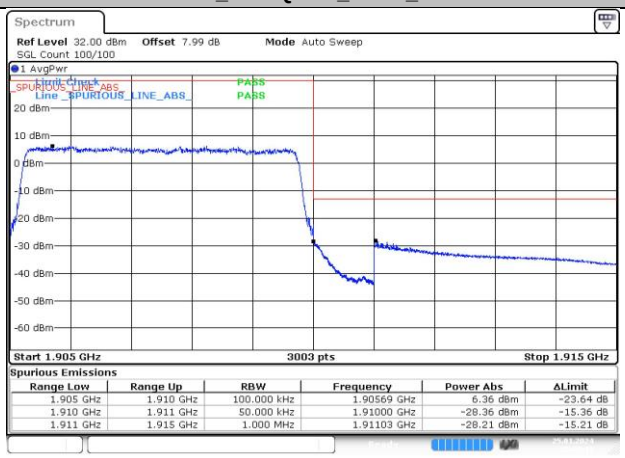
HCH_DFT-QPSK_Edge_1RB_Right



LCH / DFT-QPSK_Outer_Full

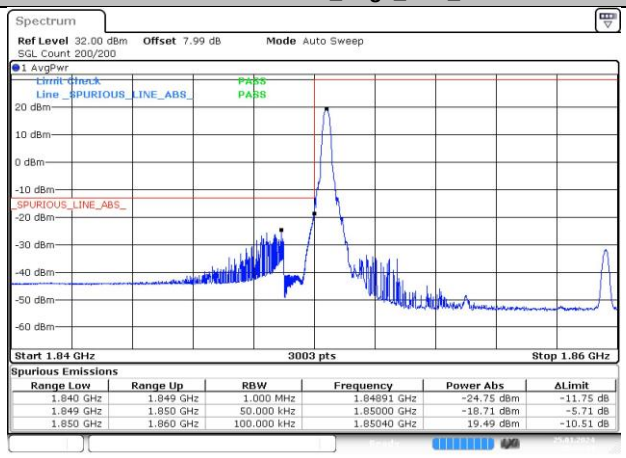


HCH_DFT-QPSK_Outer_Full

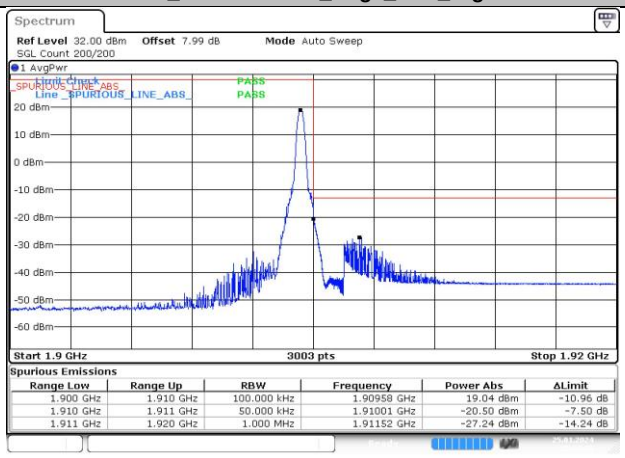


n2A / 15KHz / 10MHz

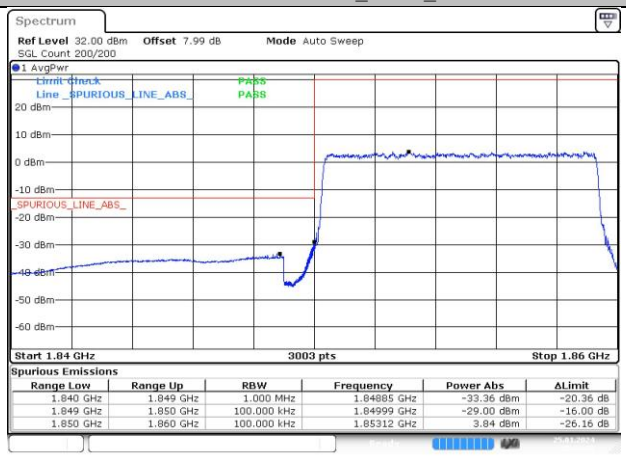
LCH / DFT-Pi2BPSK_Edge_1RB_Left



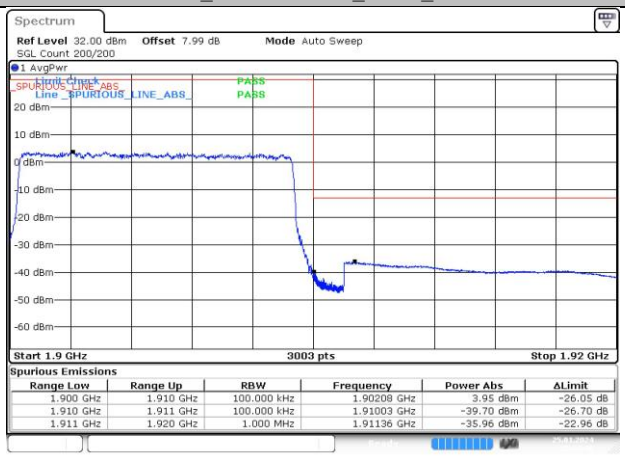
HCH_DFT-Pi2BPSK_Edge_1RB_Right



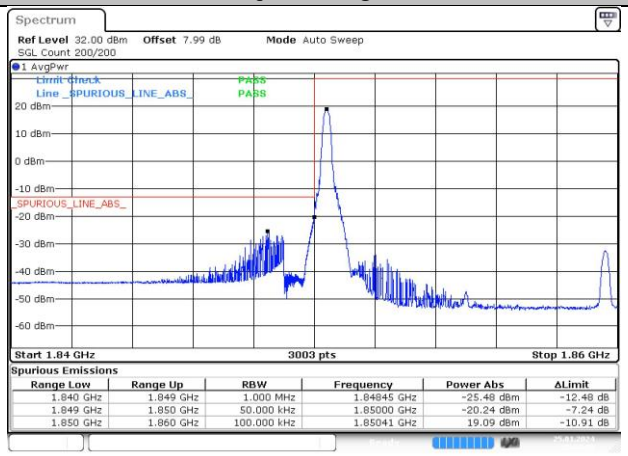
LCH / DFT-Pi2BPSK_Outer_Full



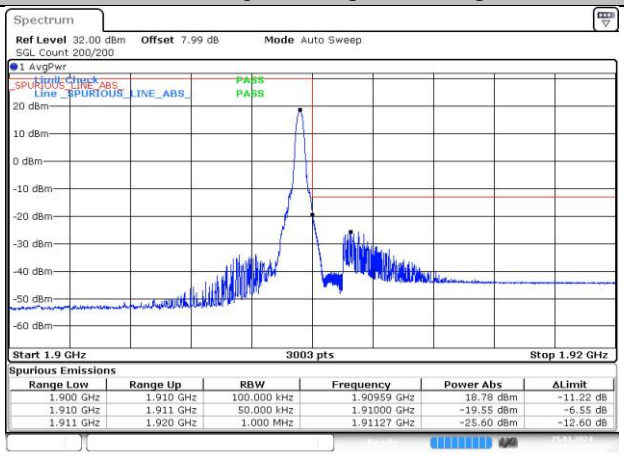
HCH_DFT-Pi2BPSK_Outer_Full



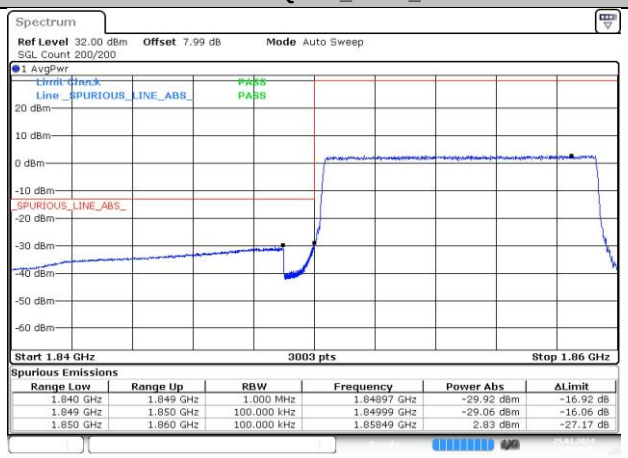
LCH / DFT-QPSK_Edge_1RB_Left



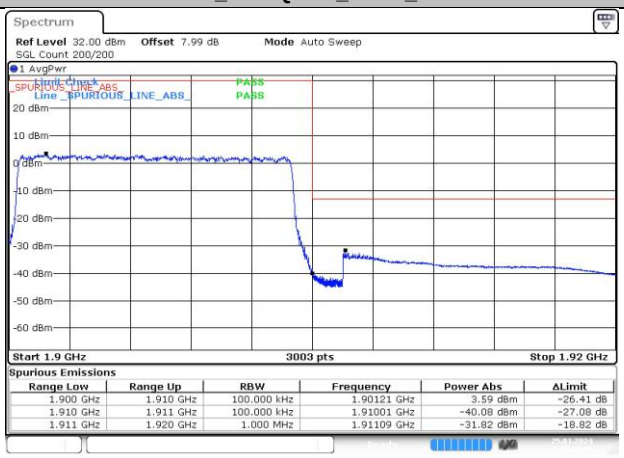
HCH_DFT-QPSK_Edge_1RB_Right



LCH / DFT-QPSK_Outer_Full

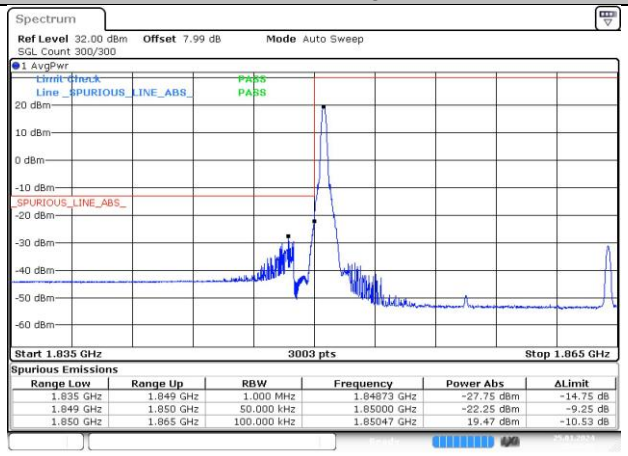


HCH_DFT-QPSK_Outer_Full

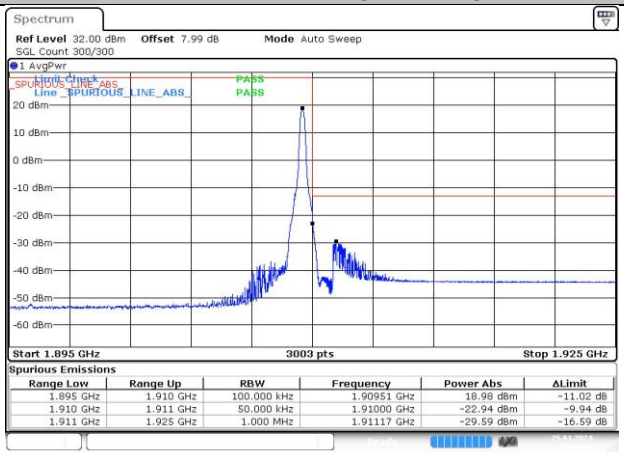


n2A / 15KHz / 15MHz

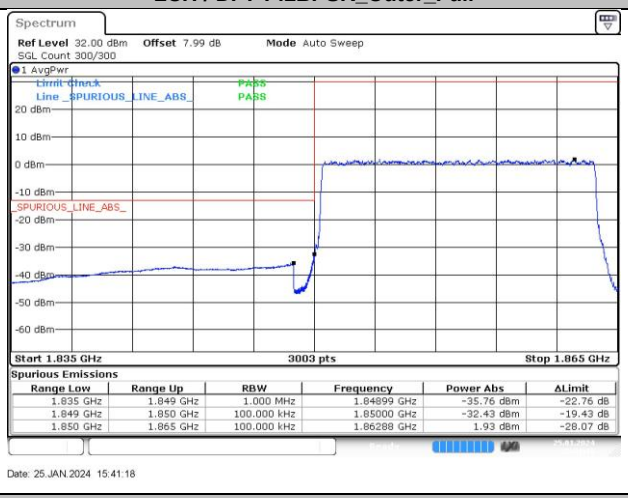
LCH / DFT-Pi2BPSK_Edge_1RB_Left



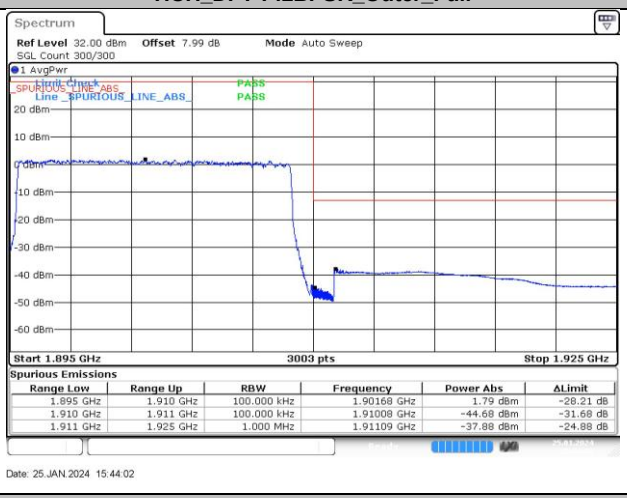
HCH_DFT-Pi2BPSK_Edge_1RB_Right



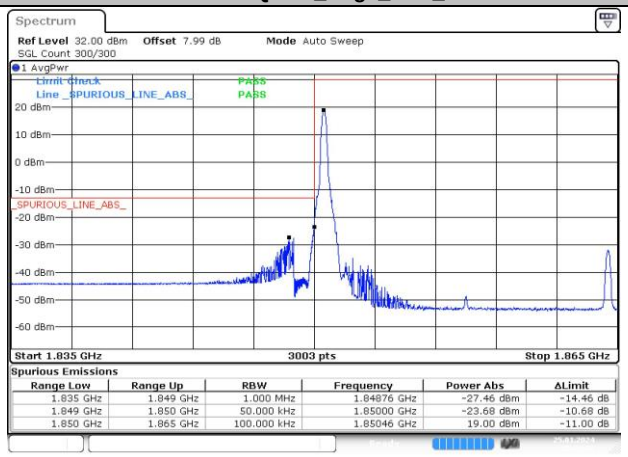
LCH / DFT-Pi2BPSK_Outer_Full



HCH_DFT-Pi2BPSK_Outer_Full

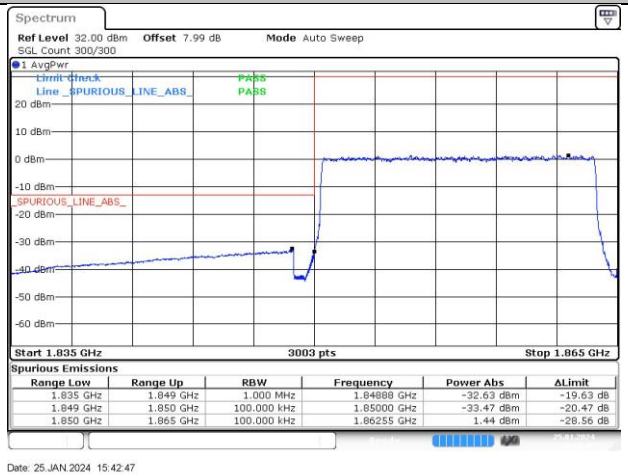


LCH / DFT-QPSK_Edge_1RB_Left

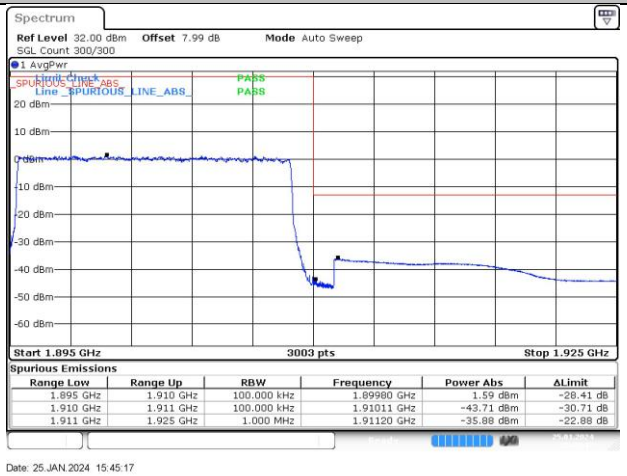


HCH_DFT-QPSK_Edge_1RB_Right

LCH / DFT-QPSK_Outer_Full

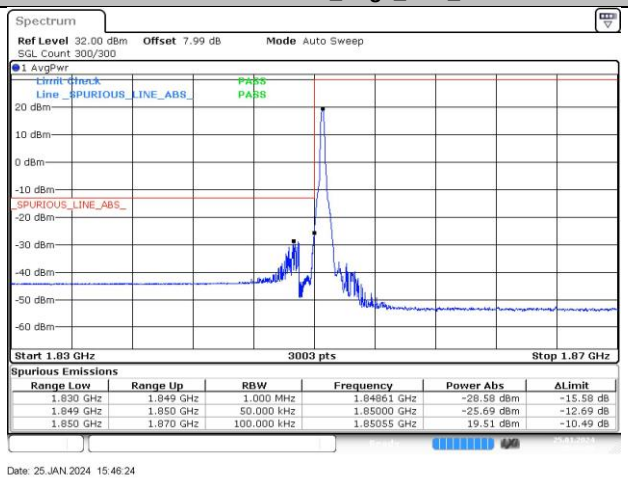


HCH_DFT-QPSK_Outer_Full

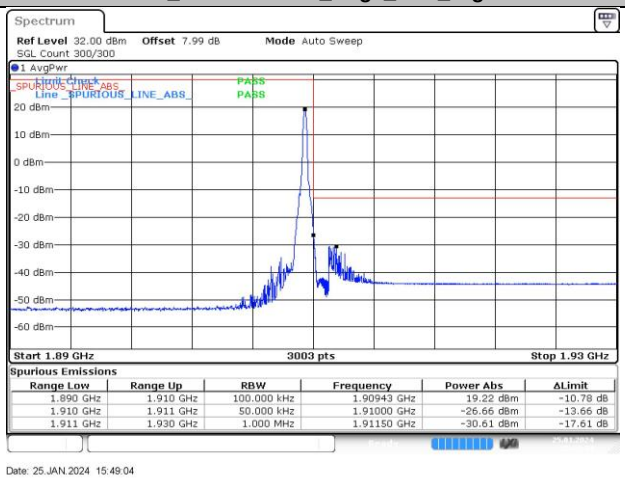


n2A / 15KHz / 20MHz

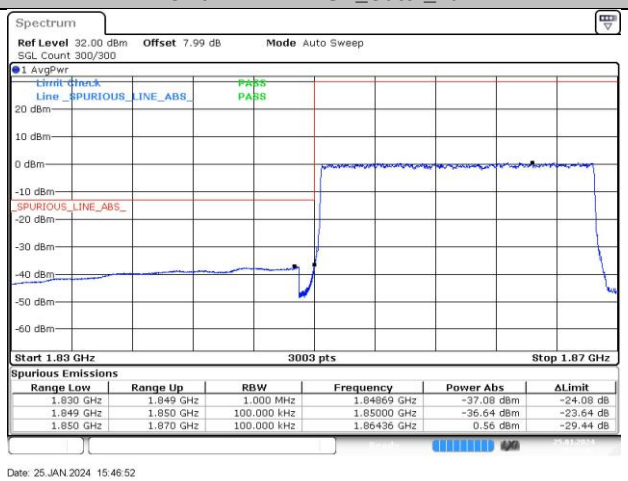
LCH / DFT-Pi2BPSK_Edge_1RB_Left



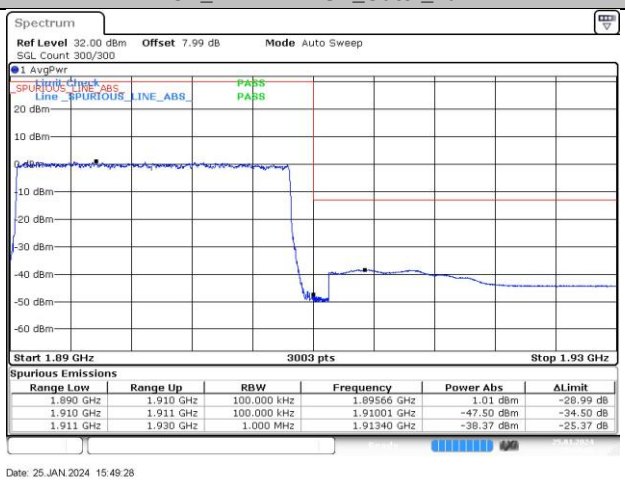
HCH_DFT-Pi2BPSK_Edge_1RB_Right



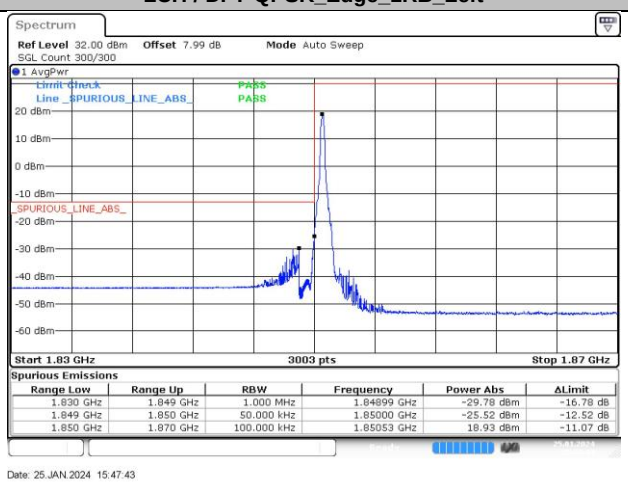
LCH / DFT-Pi2BPSK_Outer_Full



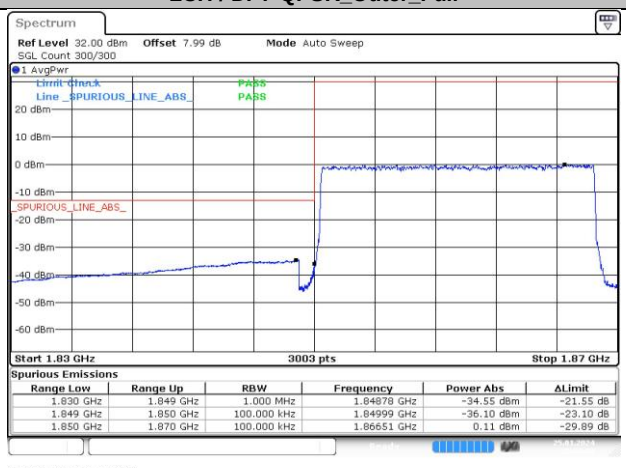
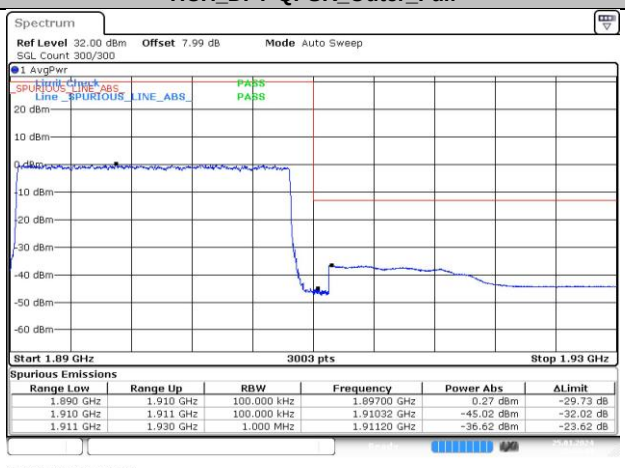
HCH_DFT-Pi2BPSK_Outer_Full



LCH / DFT-QPSK_Edge_1RB_Left



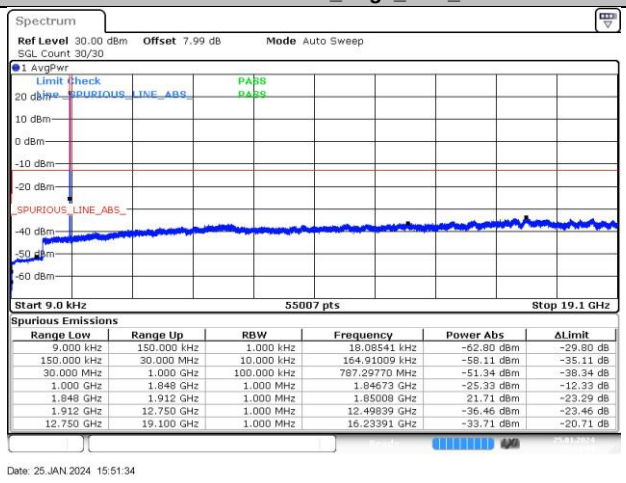
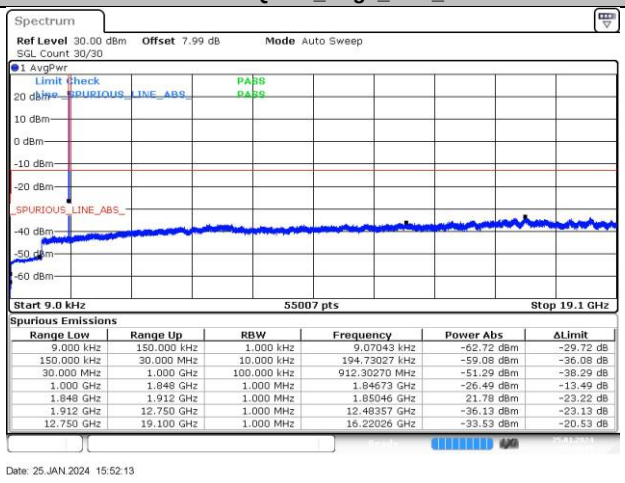
HCH_DFT-QPSK_Edge_1RB_Right

LCH / DFT-QPSK_Outer_Full	HCH_DFT-QPSK_Outer_Full
	

6. Conducted Spurious Emission

6.1. Test Plots

n2A / 15KHz / 5MHz

LCH / DFT-Pi2BPSK_Edge_1RB_Left	LCH / DFT-QPSK_Edge_1RB_Left
	

MCH_DFT-Pi2BPSK_Edge_1RB_Left	MCH / DFT-QPSK_Edge_1RB_Left