Appendix
for
n2A
(1850-1910)

Catalogue

1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant1 (Antenna Gain=-2.18dBi)

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	22.77	22.71	22.70	20.59	33.00	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.70	22.65	22.71	20.53	33.00	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.80	21.66	21.85	19.67	33.00	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.43	20.31	20.36	18.25	33.00	Pass
15KHz	5MHz	LCH	DFT-256QAM	17.74	17.61	18.26	16.08	33.00	Pass
15KHz	5MHz	LCH	CP-QPSK	21.15	21.23	21.29	19.11	33.00	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.89	22.69	22.80	20.71	33.00	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.79	22.79	22.79	20.61	33.00	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.82	21.76	21.92	19.74	33.00	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.49	20.40	20.34	18.31	33.00	Pass
15KHz	5MHz	MCH	DFT-256QAM	17.83	17.72	18.30	16.12	33.00	Pass
15KHz	5MHz	MCH	CP-QPSK	21.32	21.21	21.38	19.20	33.00	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.96	22.83	22.92	20.78	33.00	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.95	22.92	22.93	20.77	33.00	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.97	21.87	22.02	19.84	33.00	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.69	20.53	20.53	18.51	33.00	Pass
15KHz	5MHz	HCH	DFT-256QAM	17.91	17.88	18.43	16.25	33.00	Pass
15KHz	5MHz	HCH	CP-QPSK	21.48	21.28	21.53	19.35	33.00	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.89	22.92	22.86	20.74	33.00	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.91	22.91	22.88	20.73	33.00	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.99	21.88	21.93	19.81	33.00	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.70	20.59	20.44	18.52	33.00	Pass
15KHz	10MHz	LCH	DFT-256QAM	17.95	17.82	18.29	16.11	33.00	Pass
15KHz	10MHz	LCH	CP-QPSK	21.39	21.28	21.35	19.21	33.00	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.81	22.73	22.81	20.63	33.00	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.76	22.73	22.76	20.58	33.00	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.76	21.82	21.81	19.64	33.00	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.58	20.49	20.30	18.40	33.00	Pass
15KHz	10MHz	MCH	DFT-256QAM	17.74	17.69	18.26	16.08	33.00	Pass
15KHz	10MHz	MCH	CP-QPSK	21.27	21.21	21.25	19.09	33.00	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.79	22.83	22.88	20.70	33.00	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.80	22.90	22.87	20.72	33.00	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.79	21.89	21.88	19.71	33.00	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.53	20.68	20.40	18.50	33.00	Pass
15KHz	10MHz	HCH	DFT-256QAM	17.84	17.83	18.26	16.08	33.00	Pass
15KHz	10MHz	HCH	CP-QPSK	21.22	21.26	21.36	19.18	33.00	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	23.01	23.05	22.98	20.87	33.00	Pass
15KHz	15MHz	LCH	DFT-QPSK	23.06	23.06	23.02	20.88	33.00	Pass
15KHz	15MHz	LCH	DFT-16QAM	22.03	22.03	22.03	19.85	33.00	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.80	20.72	20.56	18.62	33.00	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.01	17.96	18.54	16.36	33.00	Pass
15KHz	15MHz	LCH	CP-QPSK	21.57	21.52	21.57	19.39	33.00	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.88	23.01	22.96	20.83	33.00	Pass
15KHz	15MHz	MCH	DFT-QPSK	23.05	23.05	23.01	20.87	33.00	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.91	22.01	22.04	19.86	33.00	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.62	20.72	20.49	18.54	33.00	Pass
15KHz	15MHz	MCH	DFT-256QAM	17.96	17.98	18.37	16.19	33.00	Pass
15KHz	15MHz	MCH	CP-QPSK	21.45	21.47	21.48	19.30	33.00	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.94	23.17	23.06	20.99	33.00	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.96	23.20	23.09	21.02	33.00	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.84	22.07	22.13	19.95	33.00	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.70	20.81	20.63	18.63	33.00	Pass
15KHz	15MHz	HCH	DFT-256QAM	17.91	17.93	18.42	16.24	33.00	Pass
15KHz	15MHz	HCH	CP-QPSK	21.48	21.50	21.51	19.33	33.00	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	23.01	22.78	22.83	20.83	33.00	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.94	22.80	22.90	20.76	33.00	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.73	21.63	21.91	19.73	33.00	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.57	20.42	20.37	18.39	33.00	Pass
15KHz	20MHz	LCH	DFT-256QAM	17.92	17.68	18.39	16.21	33.00	Pass

15KHz	20MHz	LCH	CP-QPSK	21.37	21.18	21.36	19.19	33.00	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.90	22.92	22.92	20.74	33.00	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.91	23.03	22.95	20.85	33.00	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.80	22.00	21.97	19.82	33.00	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.64	20.71	20.54	18.53	33.00	Pass
15KHz	20MHz	MCH	DFT-256QAM	17.86	17.98	18.45	16.27	33.00	Pass
15KHz	20MHz	MCH	CP-QPSK	21.48	21.36	21.47	19.30	33.00	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.94	23.04	23.15	20.97	33.00	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.96	23.25	23.08	21.07	33.00	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.94	22.14	22.11	19.96	33.00	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.65	20.82	20.68	18.64	33.00	Pass
15KHz	20MHz	HCH	DFT-256QAM	17.97	18.11	18.60	16.42	33.00	Pass
15KHz	20MHz	HCH	CP-QPSK	21.52	21.56	21.59	19.41	33.00	Pass

2. Peak-to-Average Ratio

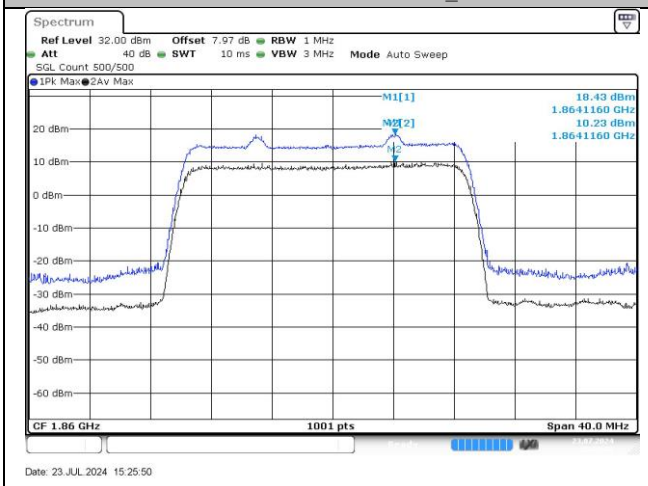
2.1. Test Results

SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	8.20	7.05	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	8.21	7.31	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	8.13	7.24	13.00	Pass

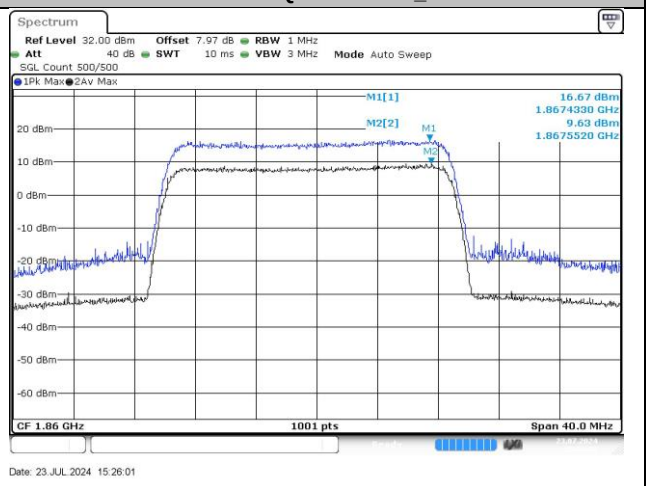
2.2. Test Plots

n2A / 15KHz / 20MHz

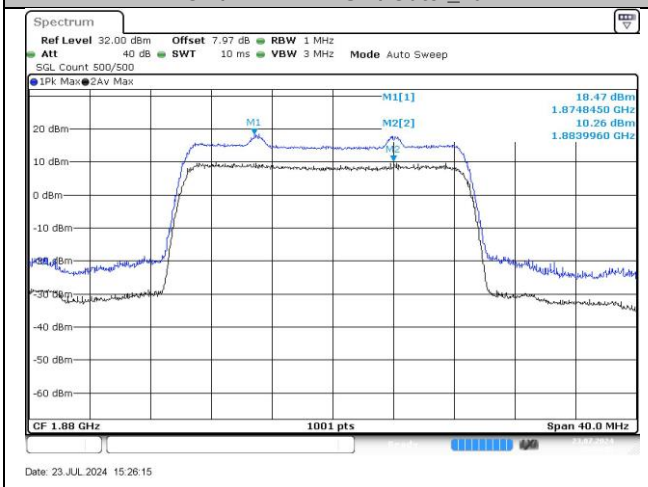
LCH / DFT-Pi2BPSK / Outer_Full



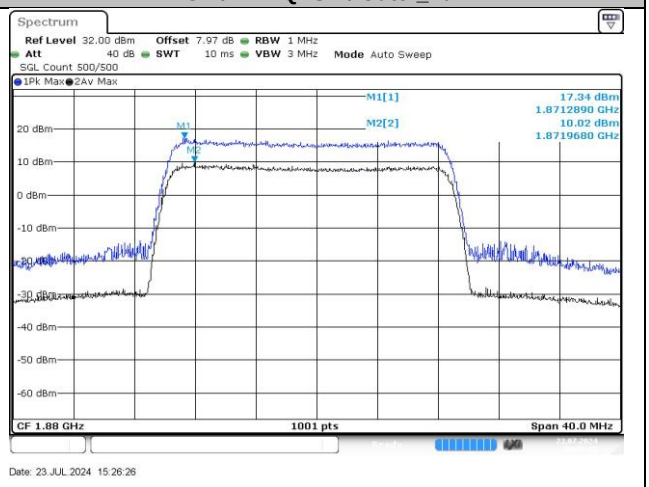
LCH / DFT-QPSK / Outer_Full

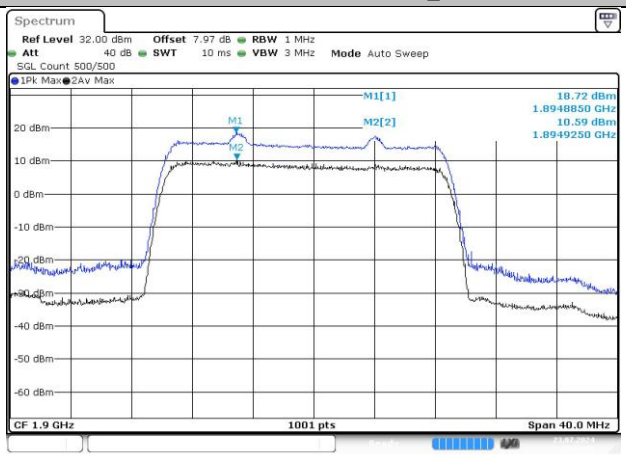
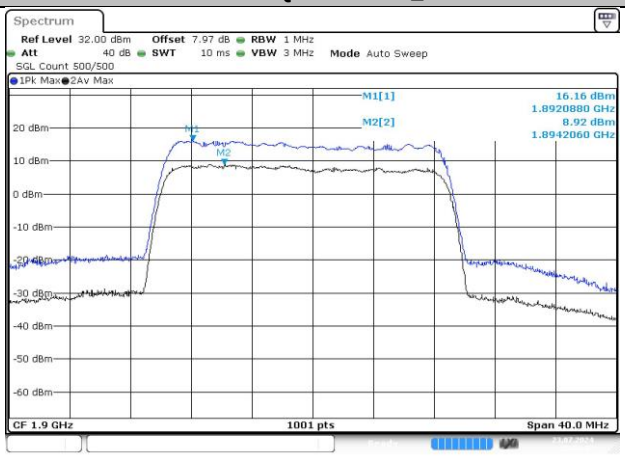


MCH / DFT-Pi2BPSK / Outer_Full



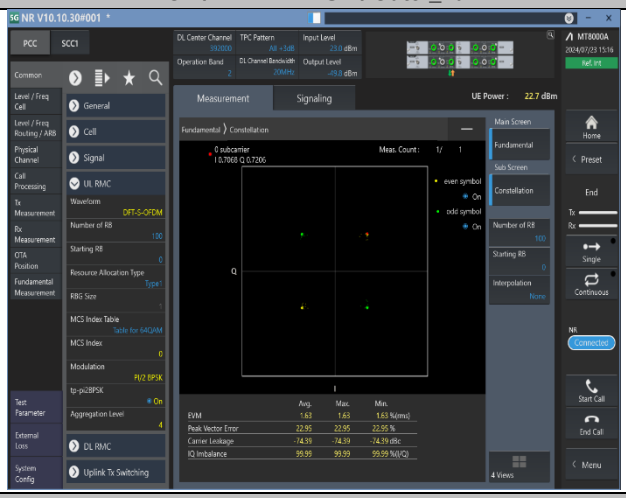
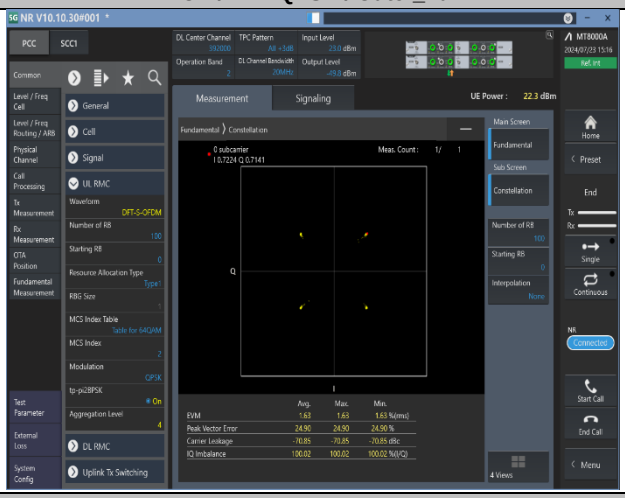
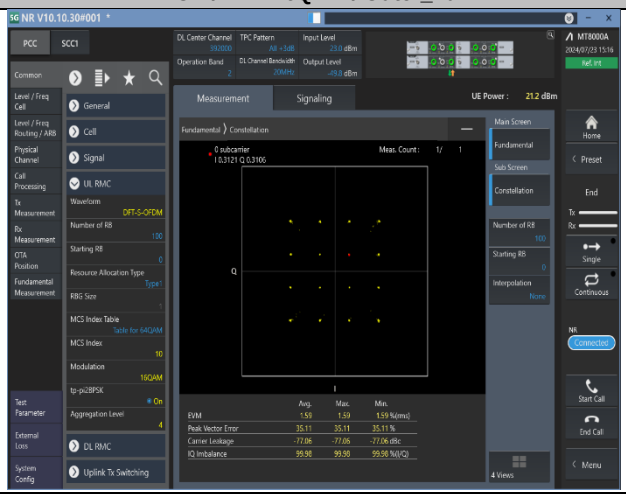
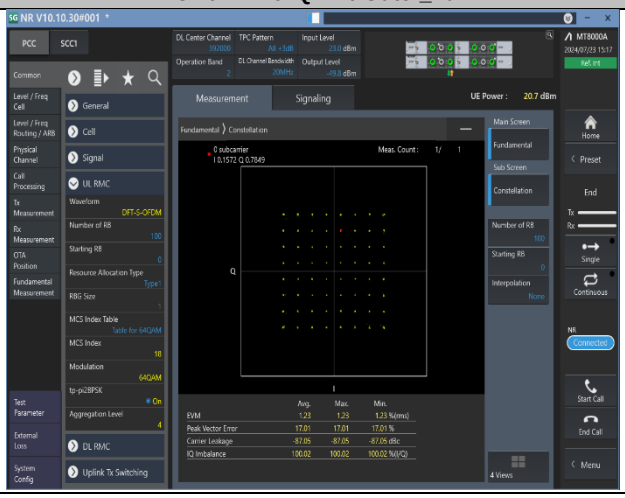
MCH / DFT-QPSK / Outer_Full



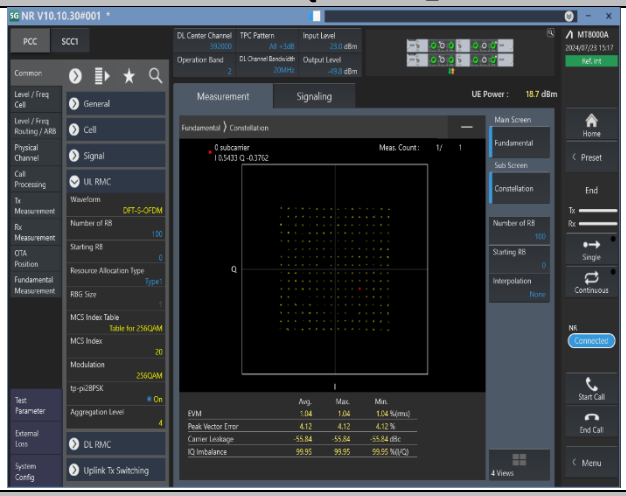
HCH / DFT-Pi2BPSK / Outer_Full	HCH / DFT-QPSK / Outer_Full
	

3. Modulation Characteristics

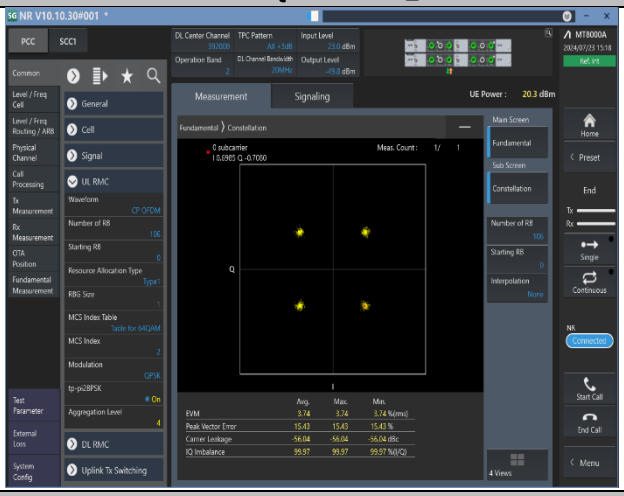
3.1. Test Plots

n2A / 15KHz / 20MHz	
MCH / DFT-Pi2BPSK / Outer_Full	MCH / DFT-QPSK / Outer_Full
	
MCH / DFT-16QAM / Outer_Full	MCH / DFT-64QAM / Outer_Full
	

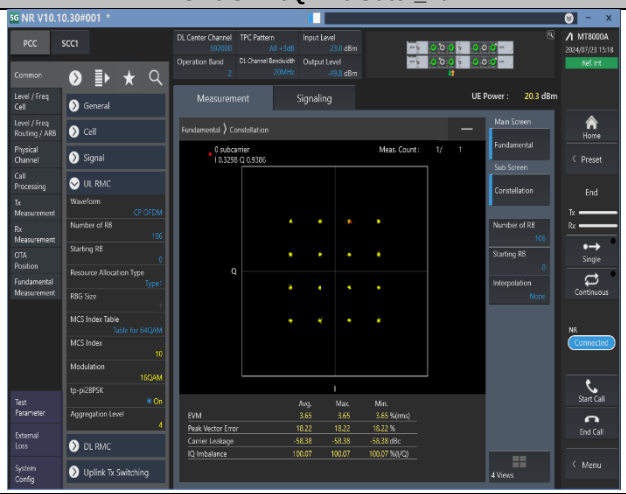
MCH / DFT-256QAM / Outer_Full



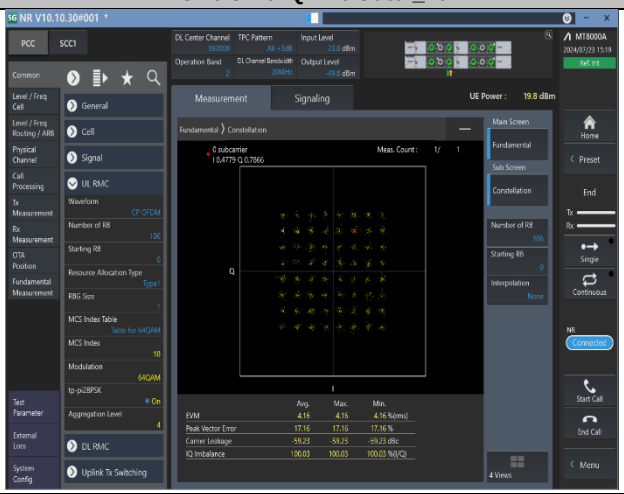
MCH / CP-QPSK / Outer_Full



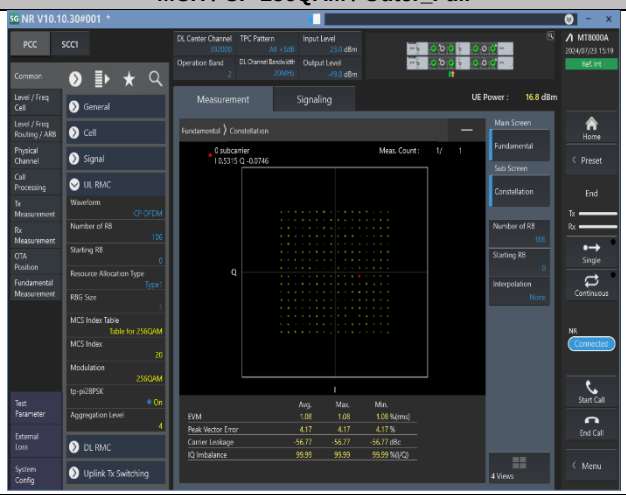
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full



MCH / CP-256QAM / Outer_Full



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4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

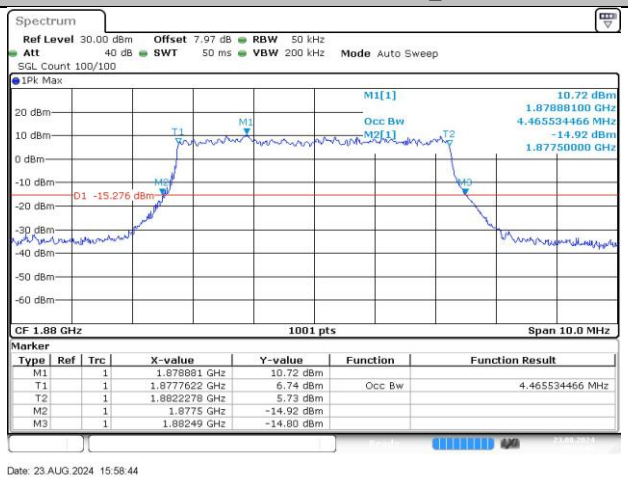
4.1. Test Results

SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.47	4.99	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.47	4.92	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.50	5.20	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.51	5.17	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.50	5.19	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.49	5.14	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.93	9.66	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	10.08	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	14.40	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.43	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.12	15.21	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.15	15.18	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	15.21	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.12	15.18	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.90	18.96	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.86	18.92	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.94	20.08	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	19.02	20.12	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.98	20.04	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.98	20.04	Pass

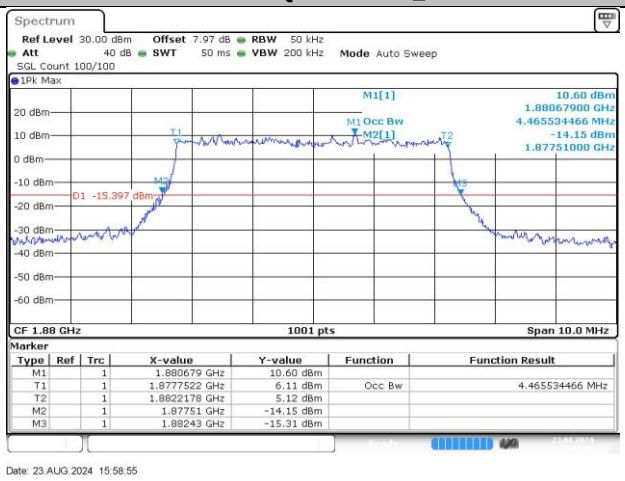
4.2. Test Plots

n2A / 15KHz / 5MHz

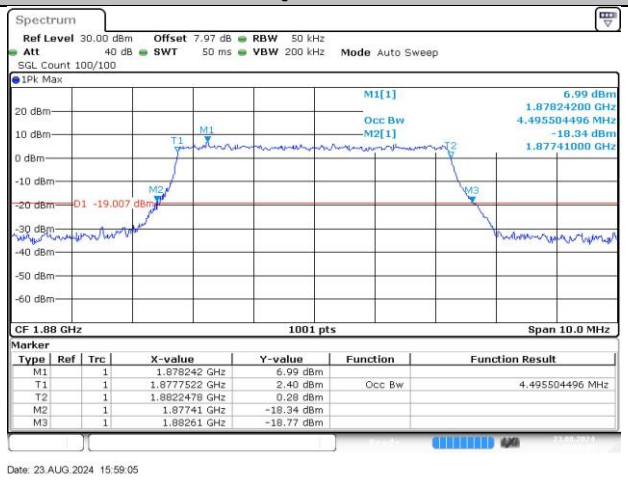
MCH / DFT-Pi2BPSK / Outer_Full



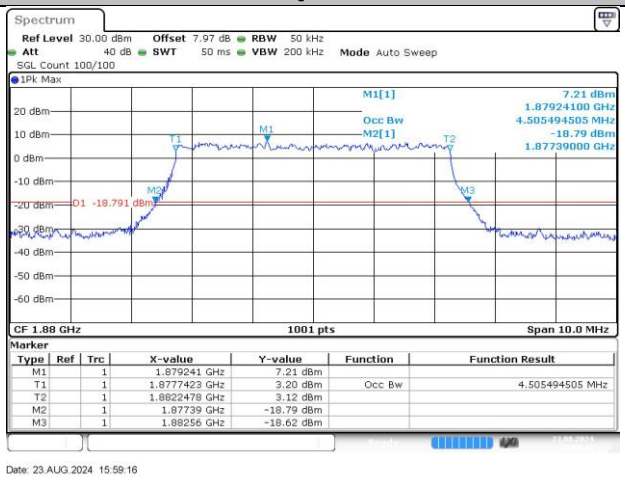
MCH / DFT-QPSK / Outer_Full



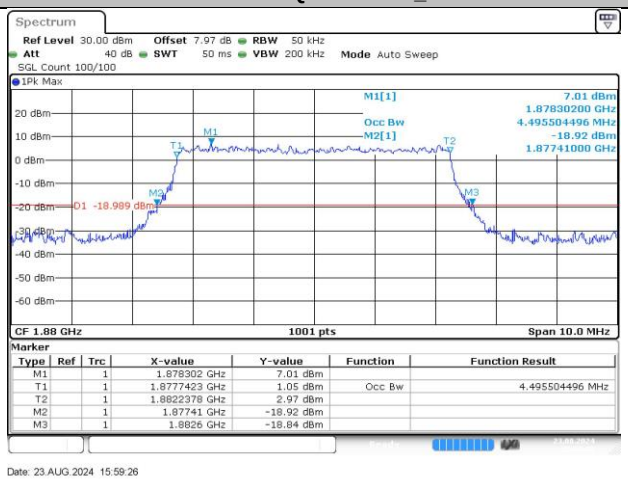
MCH / CP-QPSK / Outer_Full



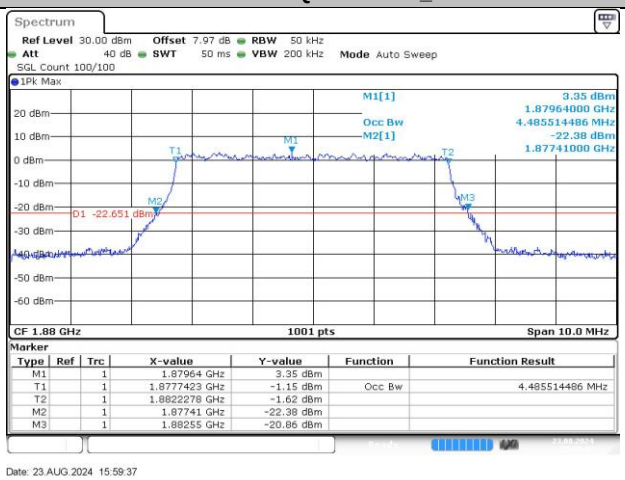
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

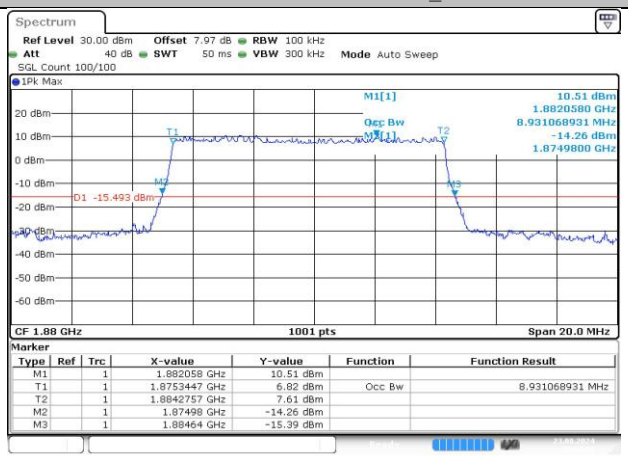


MCH / CP-256QAM / Outer_Full



n2A / 15KHz / 10MHz

MCH / DFT-Pi2BPSK / Outer_Full



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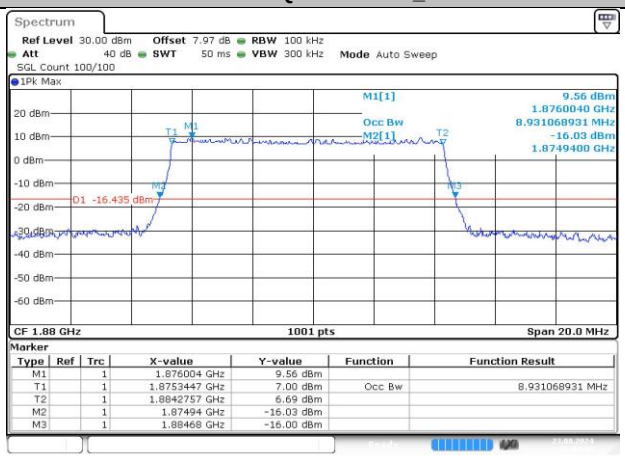
MCH / DFT-QPSK / Outer_Full



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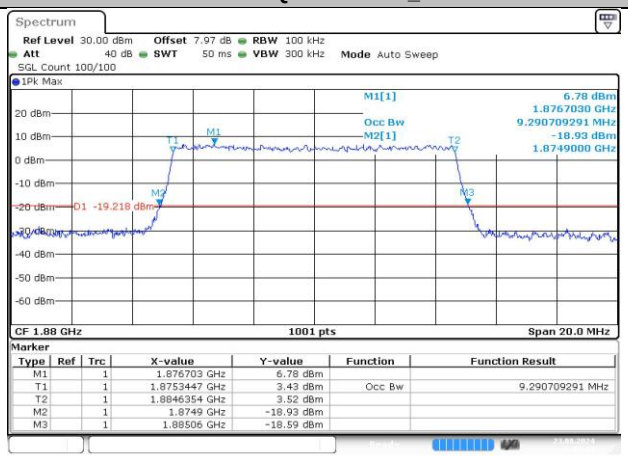

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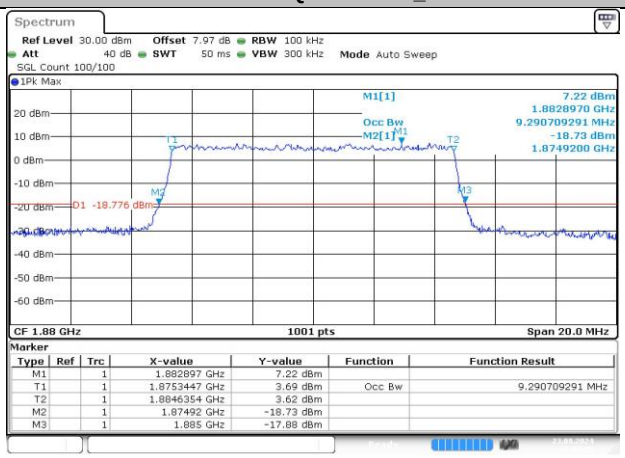
MCH / CP-16QAM / Outer_Full



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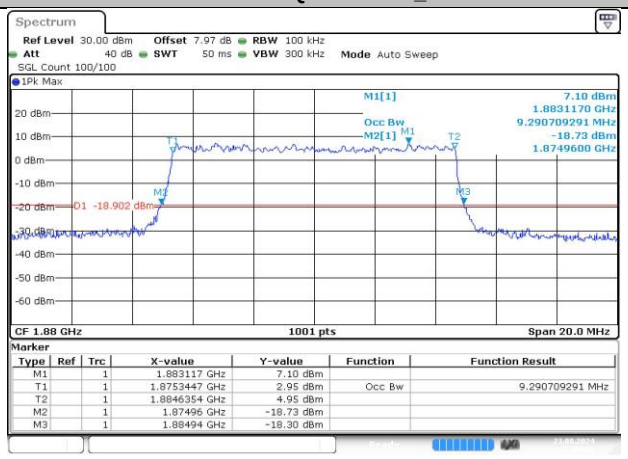
MCH / CP-64QAM / Outer_Full



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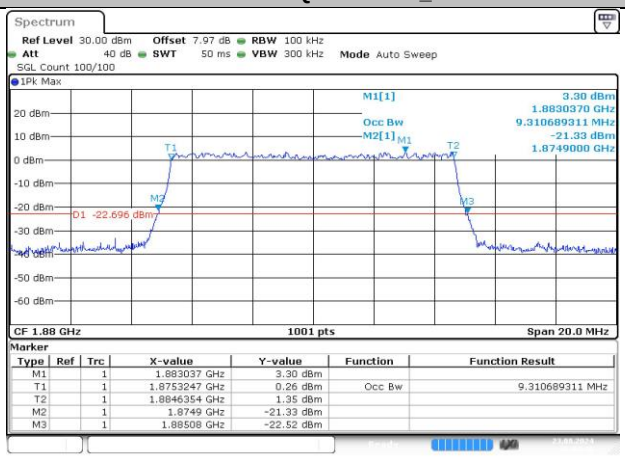

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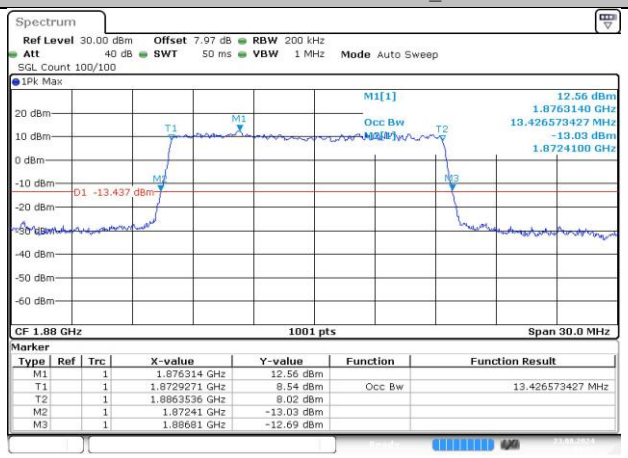
n2A / 15KHz / 15MHz

MCH / DFT-Pi2BPSK / Outer_Full



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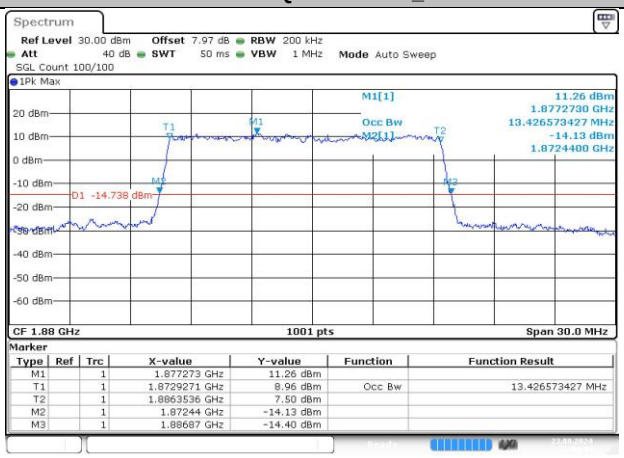
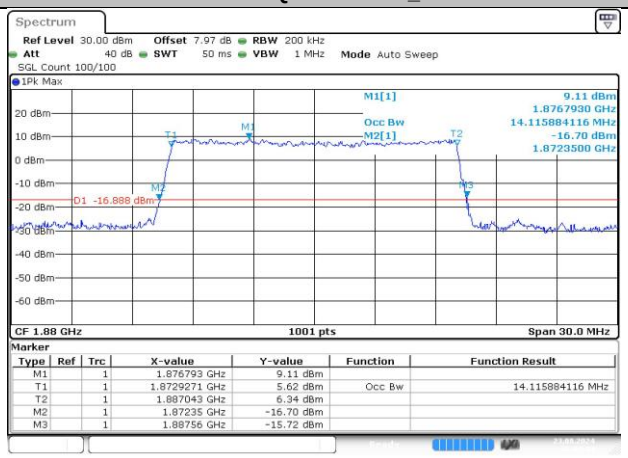
MCH / DFT-QPSK / Outer_Full



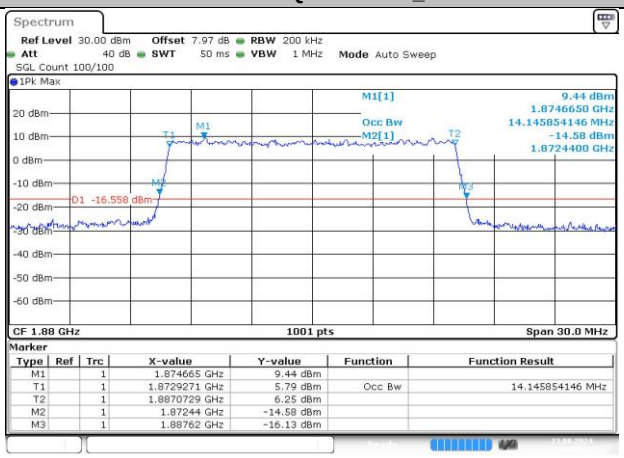
Date: 23.AUG.2024 16:01:33

MCH / CP-QPSK / Outer_Full



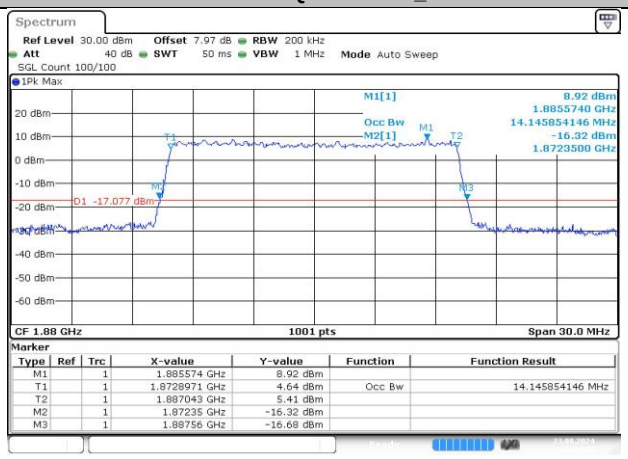
Date: 23.AUG.2024 16:02:05

MCH / CP-16QAM / Outer_Full



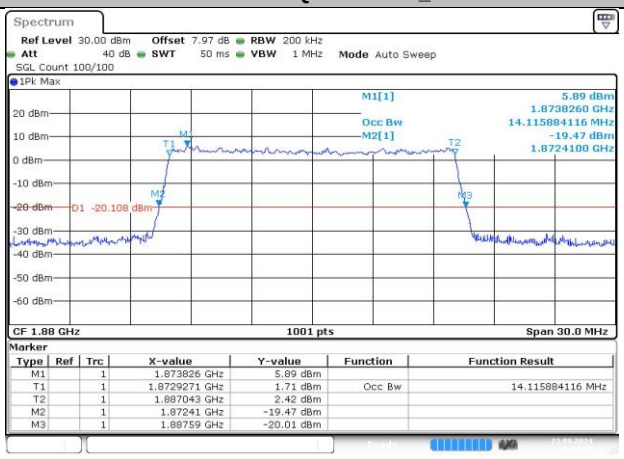
Date: 23.AUG.2024 16:02:16

MCH / CP-64QAM / Outer_Full



Date: 23.AUG.2024 16:02:28

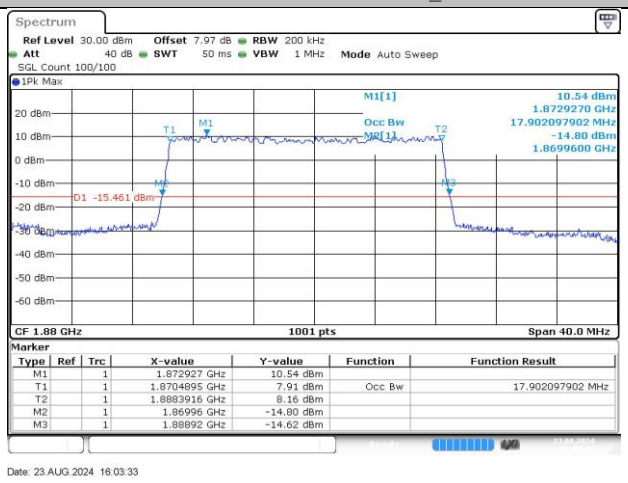
MCH / CP-256QAM / Outer_Full



Date: 23.AUG.2024 16:03:00

n2A / 15KHz / 20MHz

MCH / DFT-Pi2BPSK / Outer_Full



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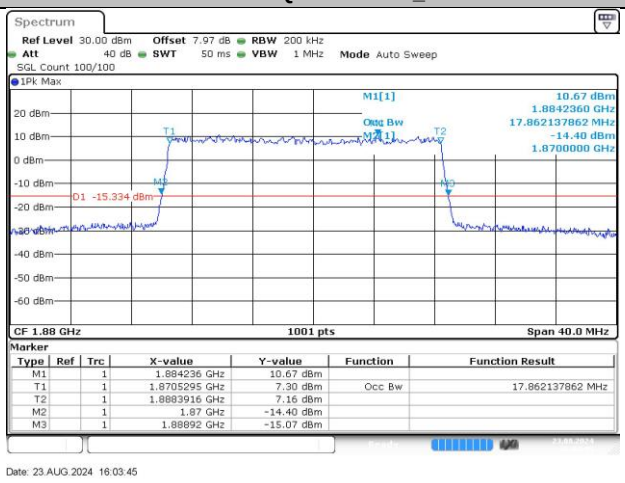
MCH / DFT-QPSK / Outer_Full



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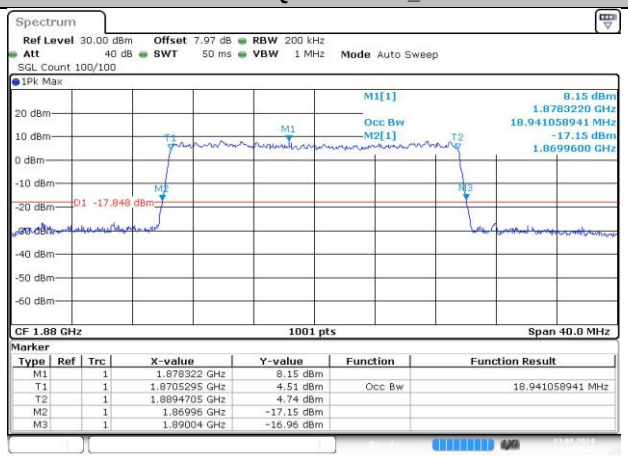

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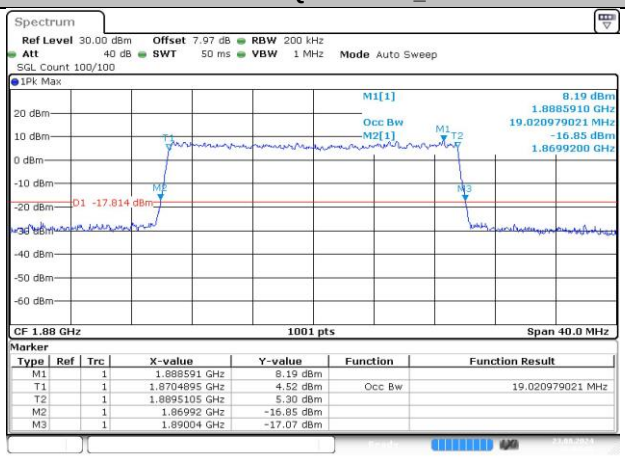
MCH / CP-16QAM / Outer_Full



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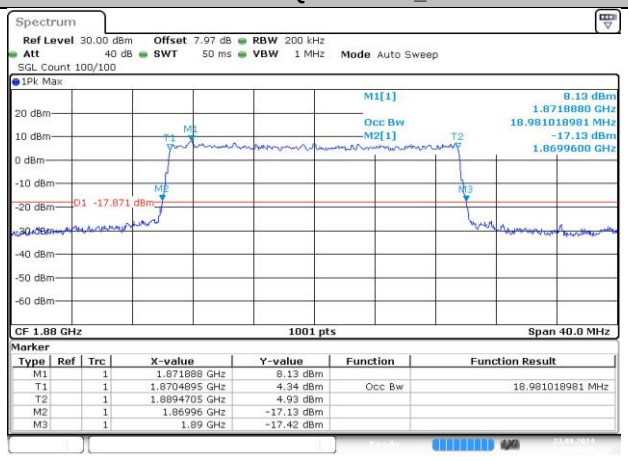
MCH / CP-64QAM / Outer_Full



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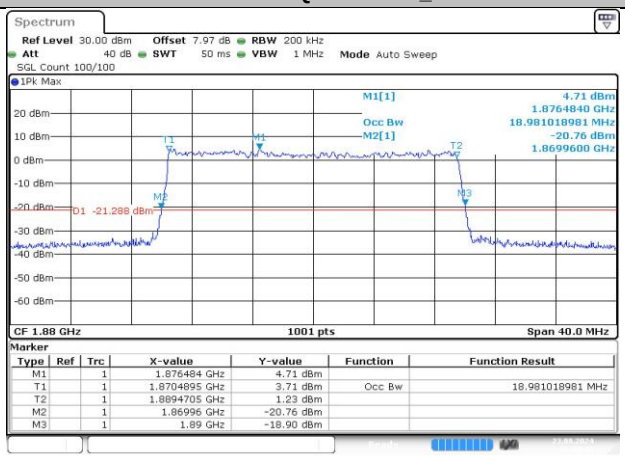
MCH / CP-256QAM / Outer_Full



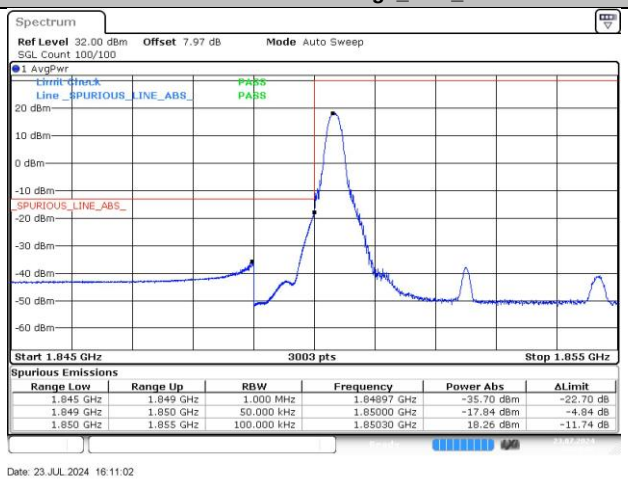
Date: 23.AUG.2024 16:05:12

5. Conducted Band Edges

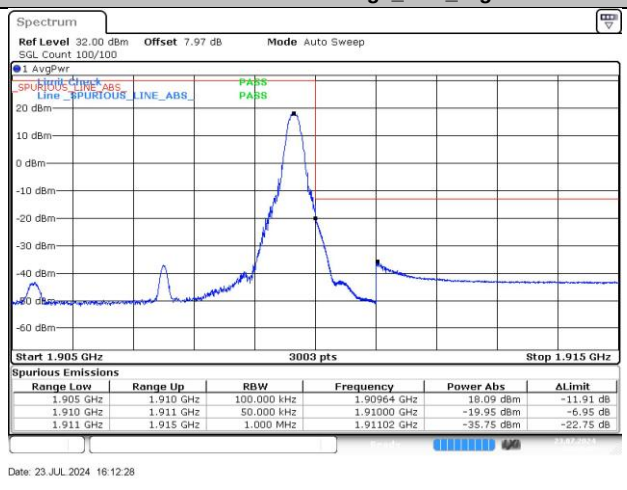
5.1. Test Plots

n2A / 15KHz / 5MHz

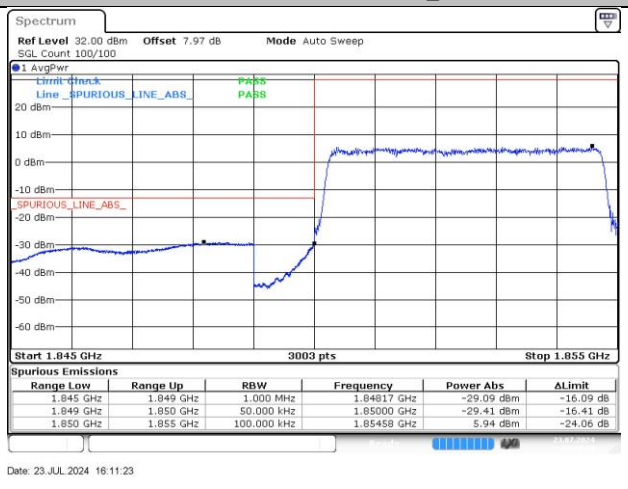
LCH / DFT-Pi2BPSK / Edge_1RB_Left



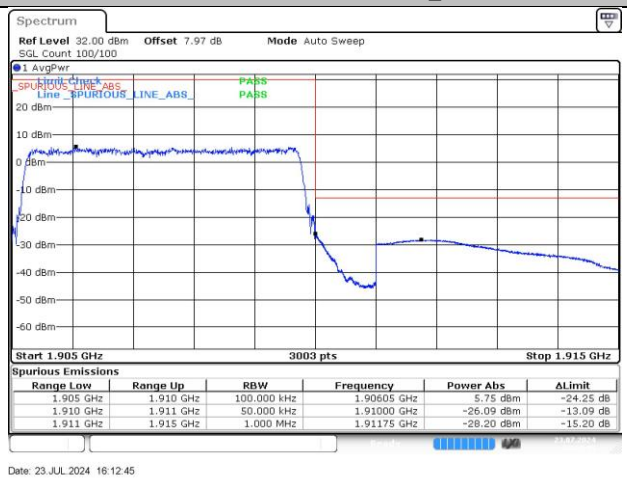
HCH / DFT-Pi2BPSK / Edge_1RB_Right



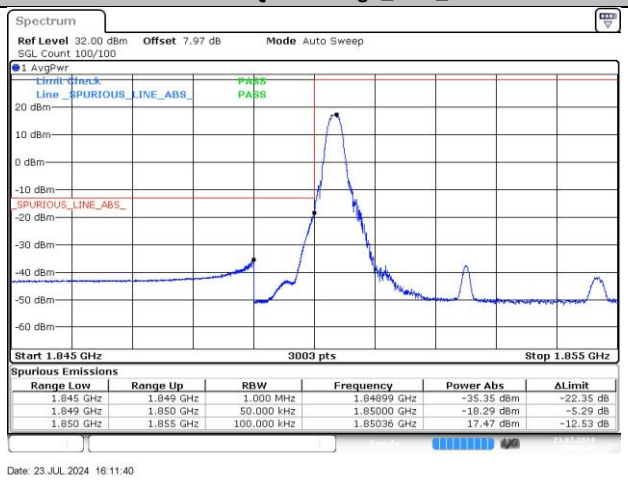
LCH / DFT-Pi2BPSK / Outer_Full



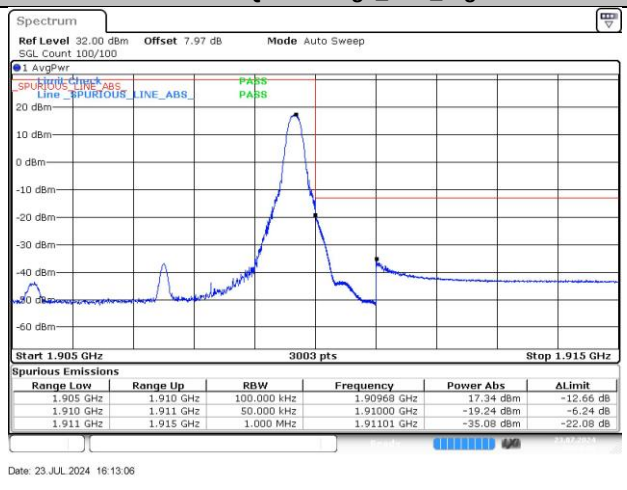
HCH / DFT-Pi2BPSK / Outer_Full



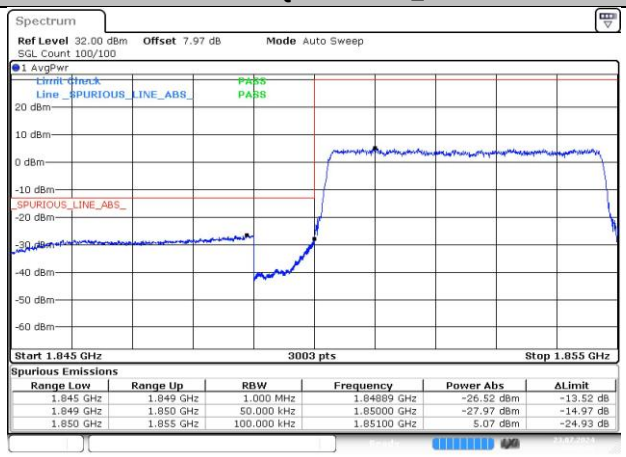
LCH / DFT-QPSK / Edge_1RB_Left



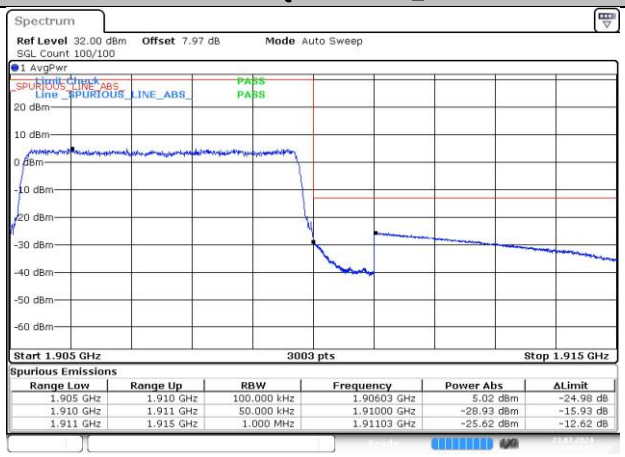
HCH / DFT-QPSK / Edge_1RB_Right



LCH / DFT-QPSK / Outer_Full

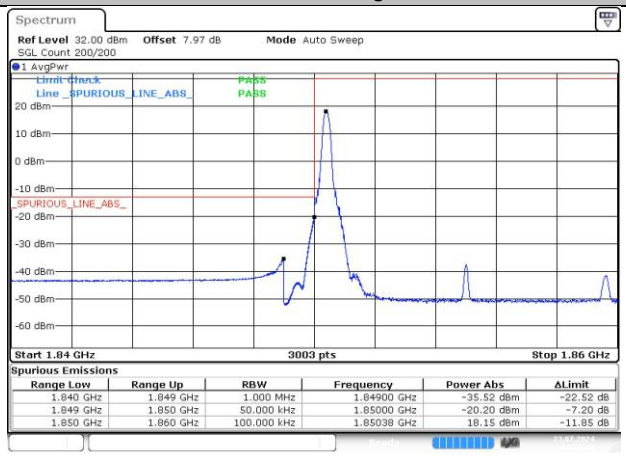


HCH / DFT-QPSK / Outer_Full

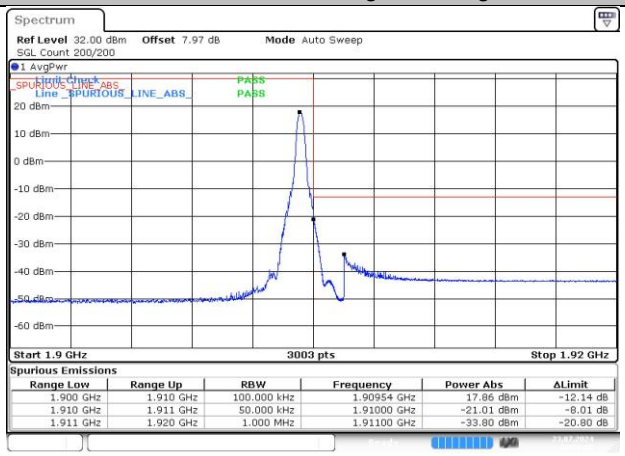


n2A / 15KHz / 10MHz

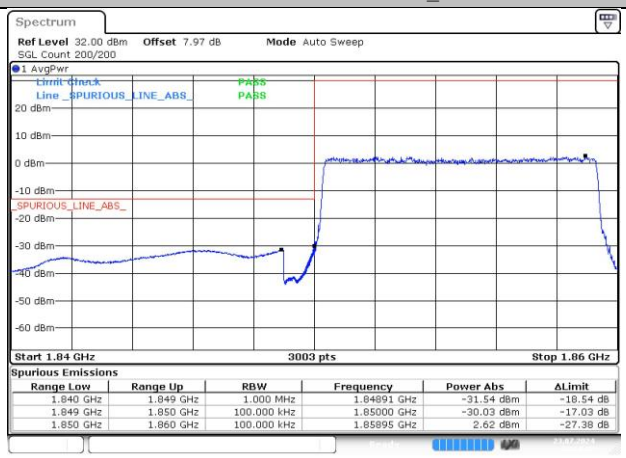
LCH / DFT-Pi2BPSK / Edge_1RB_Left



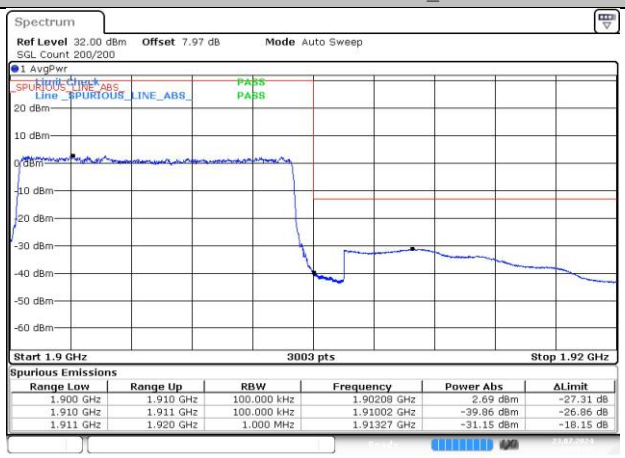
HCH / DFT-Pi2BPSK / Edge_1RB_Right



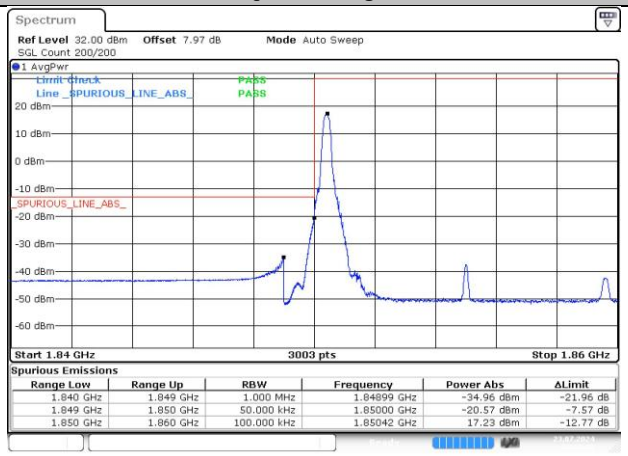
LCH / DFT-Pi2BPSK / Outer_Full



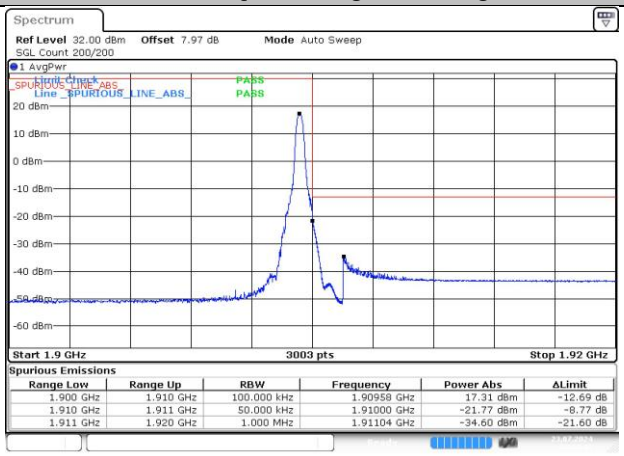
HCH / DFT-Pi2BPSK / Outer_Full



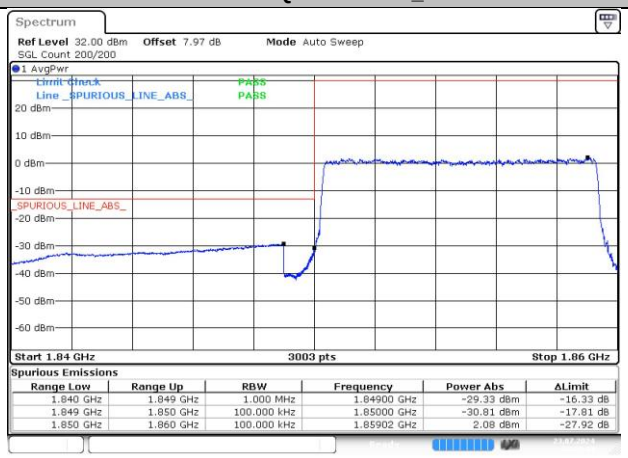
LCH / DFT-QPSK / Edge_1RB_Left



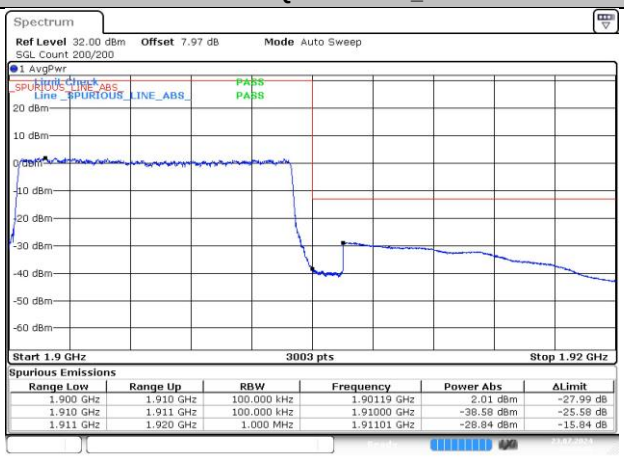
HCH_DFT-QPSK / Edge_1RB_Right



LCH / DFT-QPSK / Outer_Full

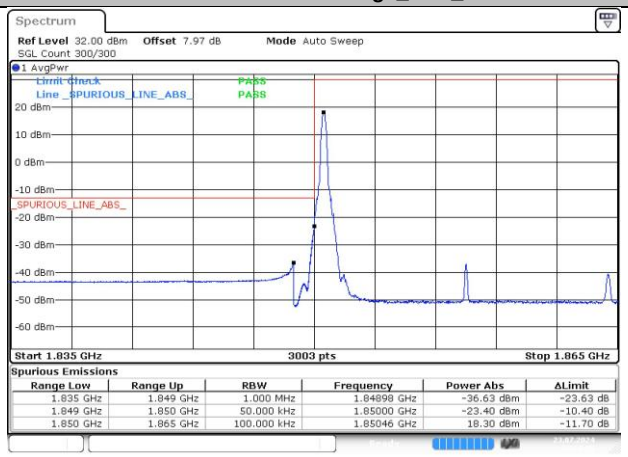


HCH / DFT-QPSK / Outer_Full

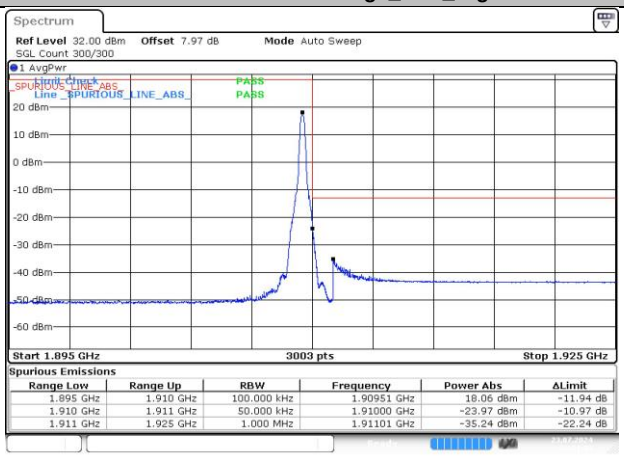


n2A / 15KHz / 15MHz

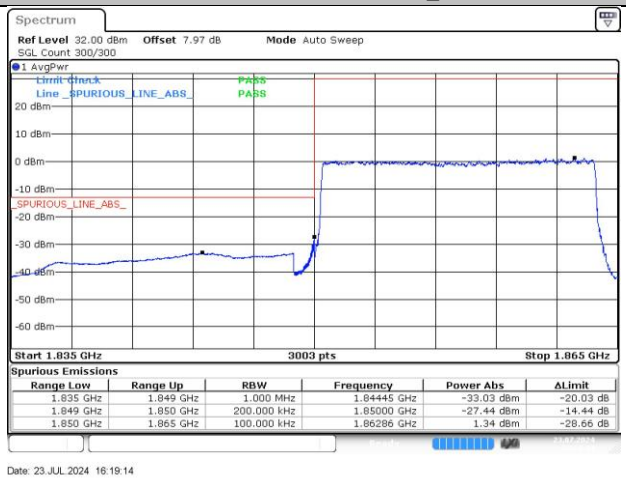
LCH / DFT-Pi2BPSK / Edge_1RB_Left



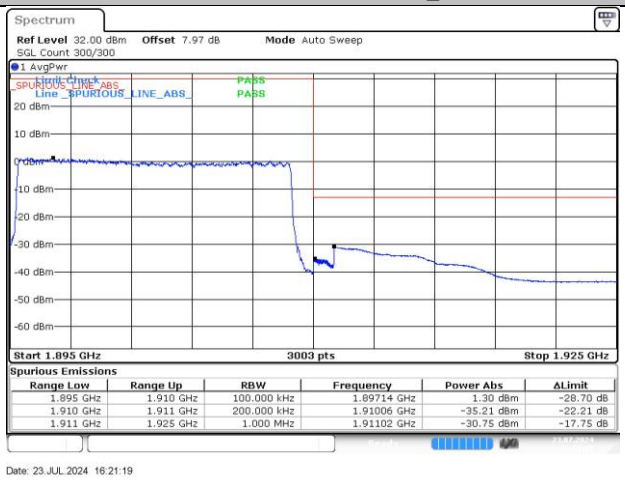
HCH / DFT-Pi2BPSK / Edge_1RB_Right



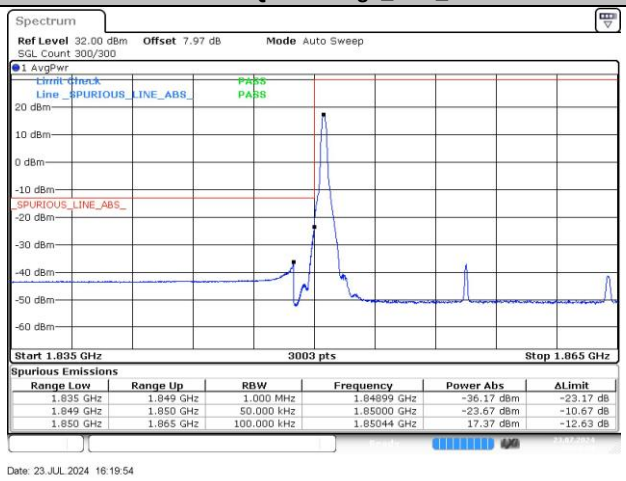
LCH / DFT-Pi2BPSK / Outer_Full



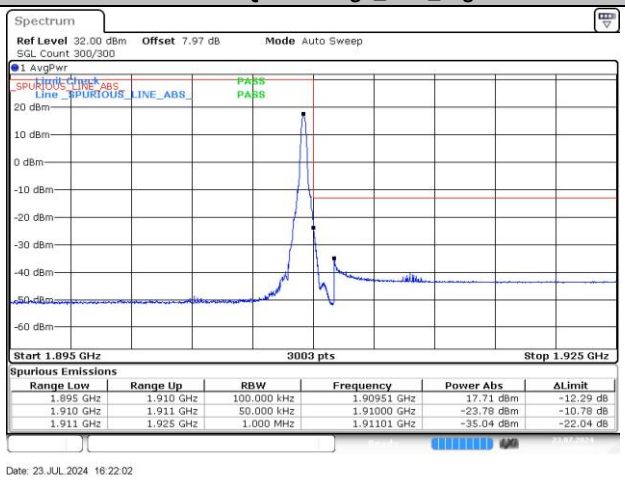
HCH / DFT-Pi2BPSK / Outer_Full



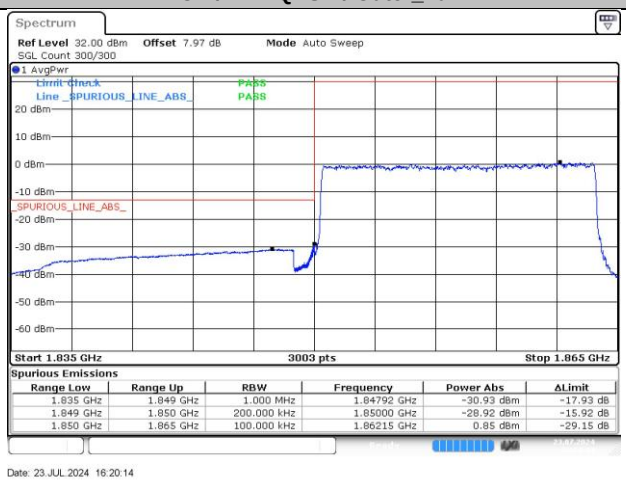
LCH / DFT-QPSK / Edge_1RB_Left



HCH / DFT-QPSK / Edge_1RB_Right



LCH / DFT-QPSK / Outer_Full



HCH / DFT-QPSK / Outer_Full