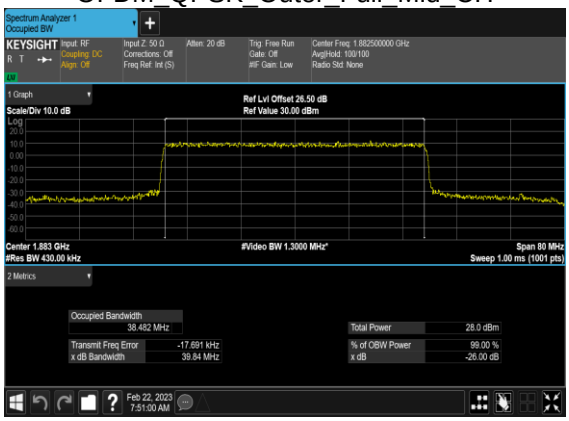
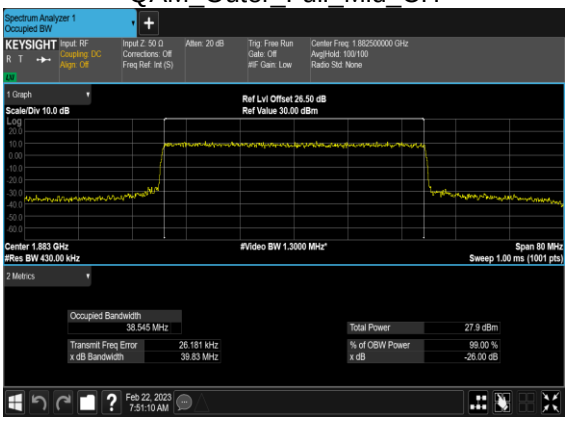
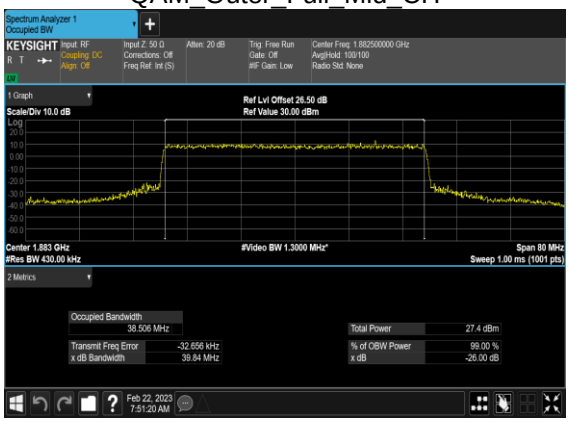
B48_N25(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



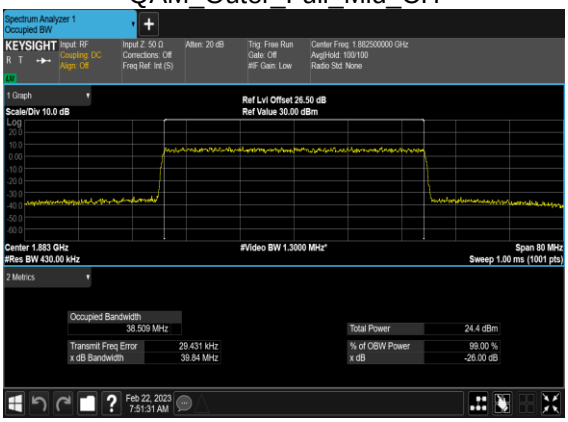
B48_N25(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



B48_N25(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



B48_N25(40M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

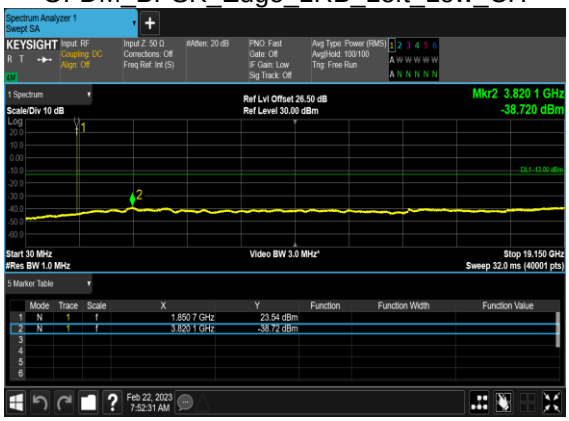


Conducted Spurious Emissions

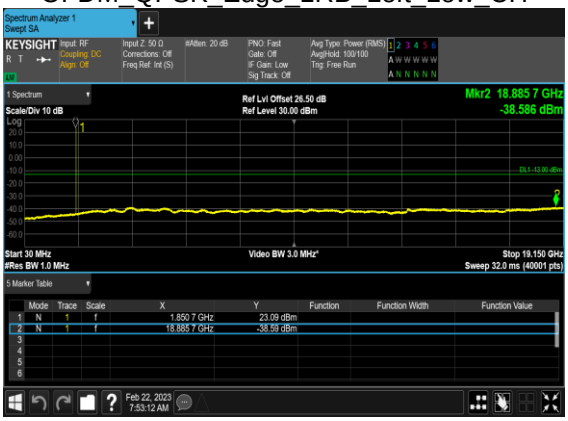
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	5	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	5	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	20	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	20	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	40	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	40	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

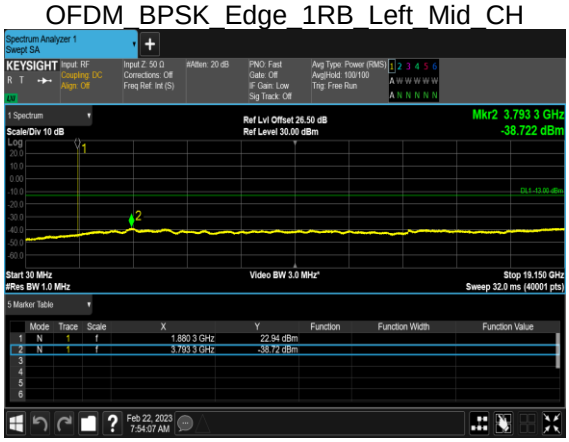
B48_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



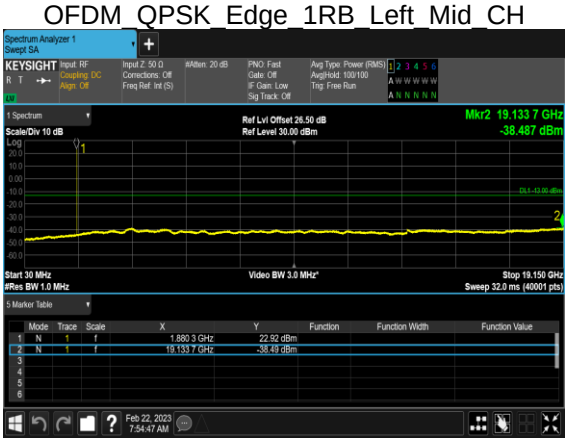
B48_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



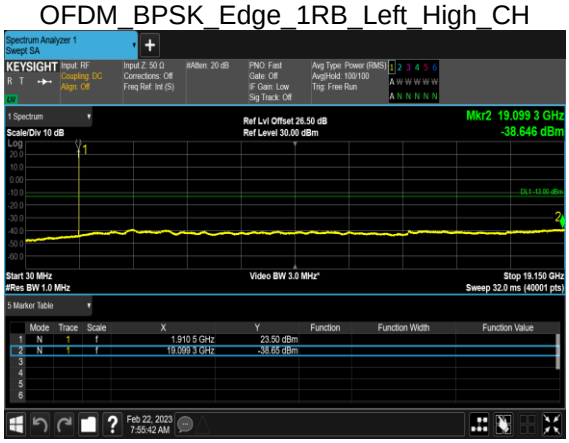
B48_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



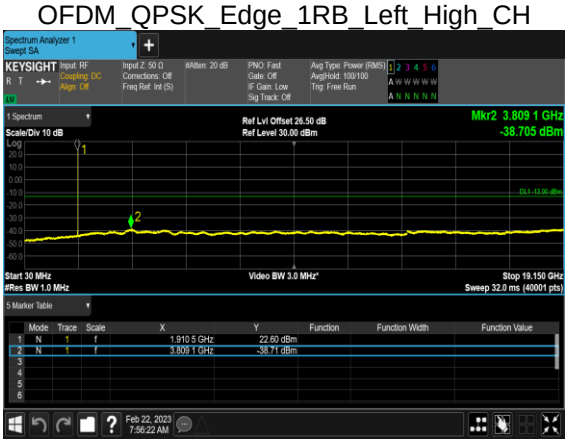
B48_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



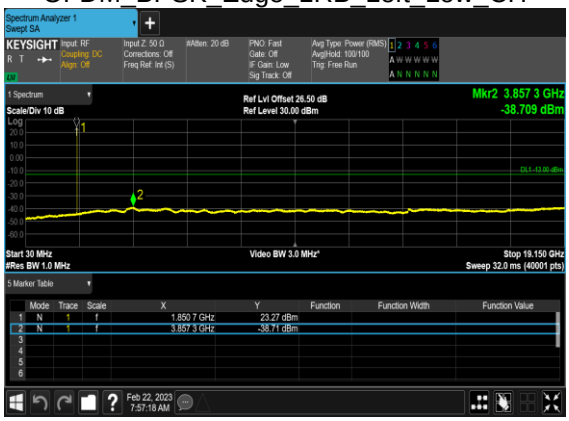
B48_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



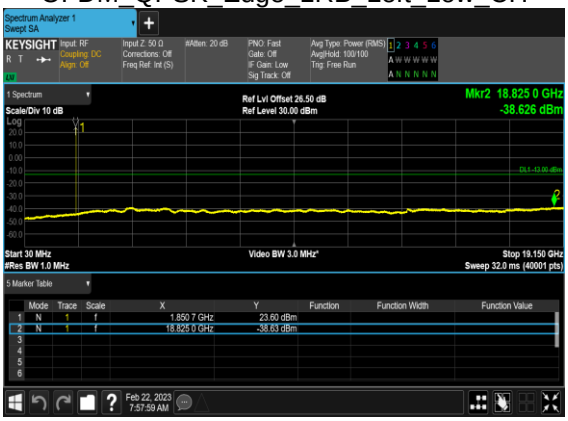
B48_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



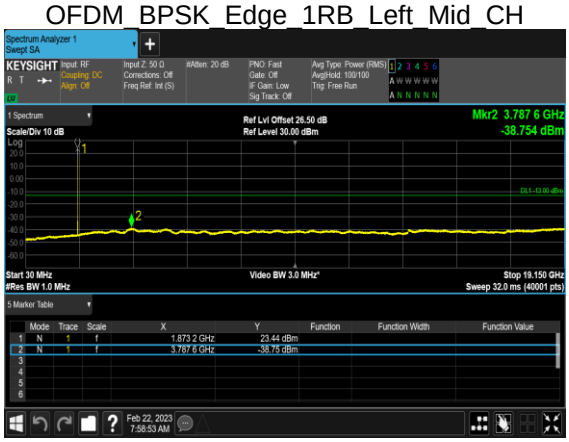
B48_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



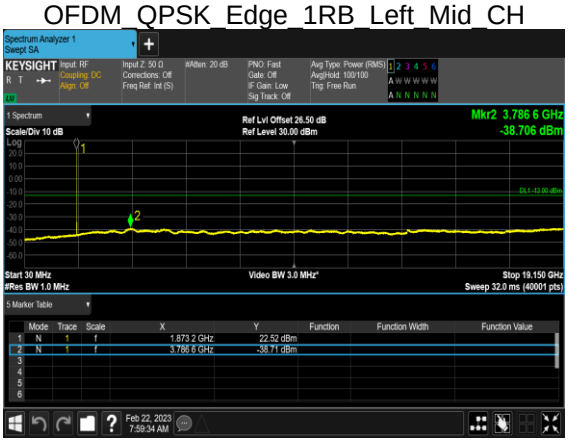
B48_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



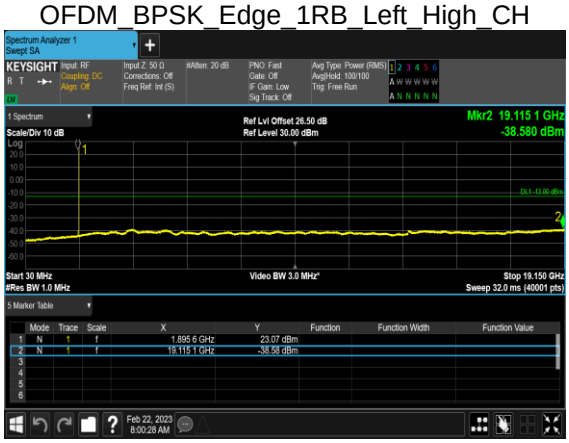
B48_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



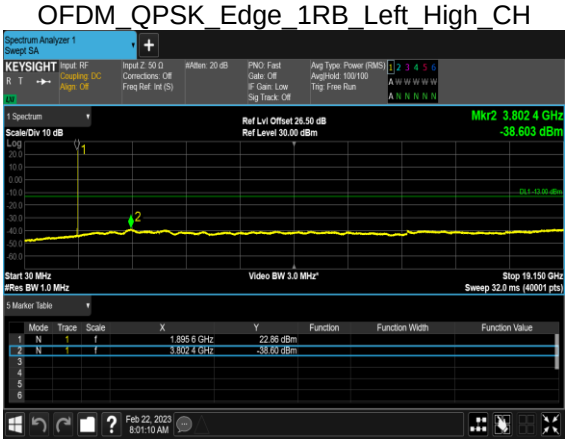
B48_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



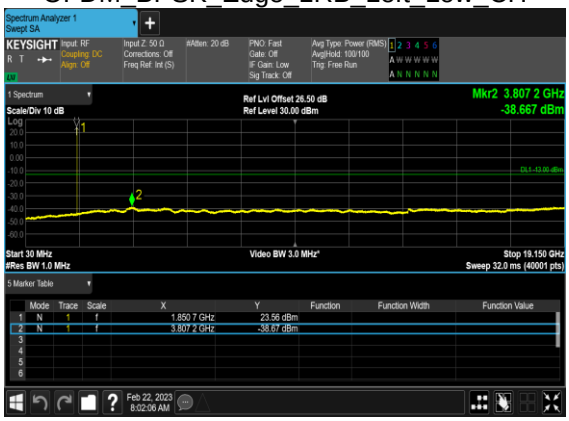
B48_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



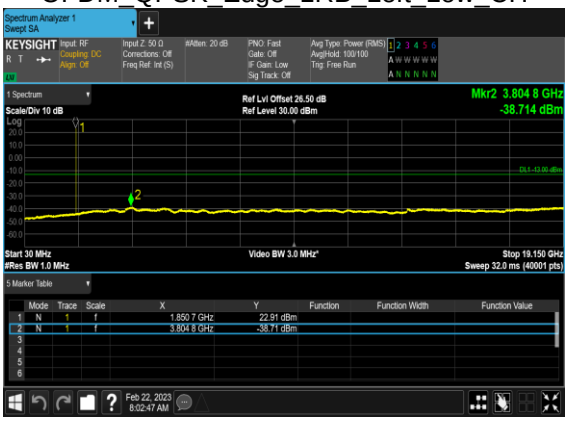
B48_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



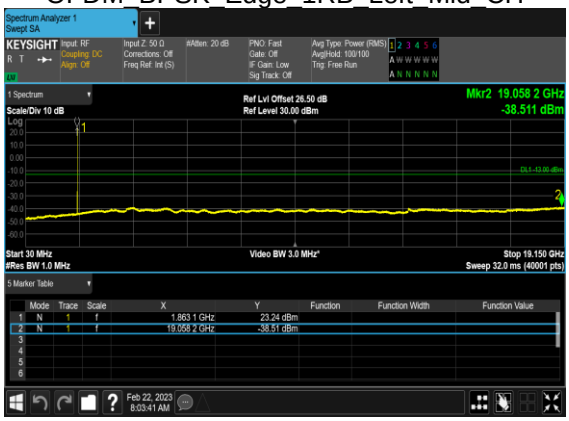
B48_N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



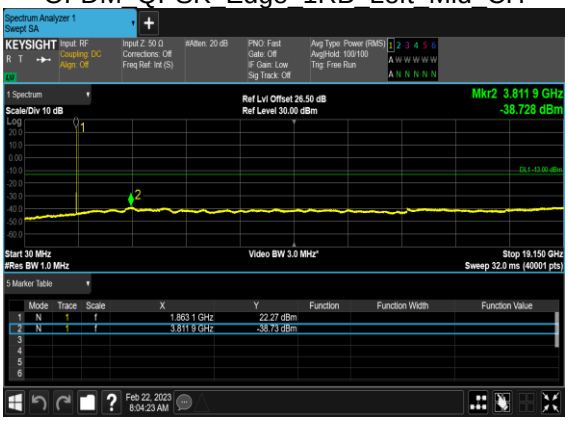
B48_N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



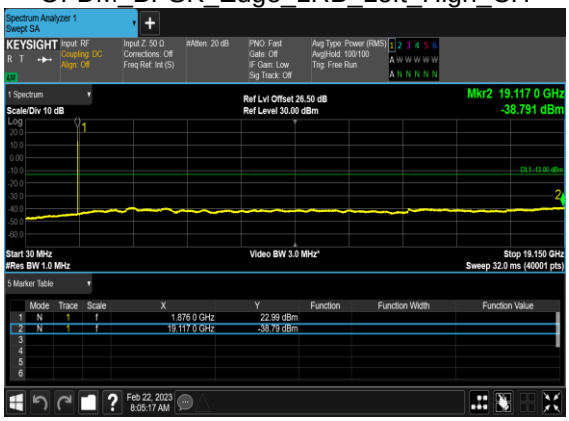
B48_N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



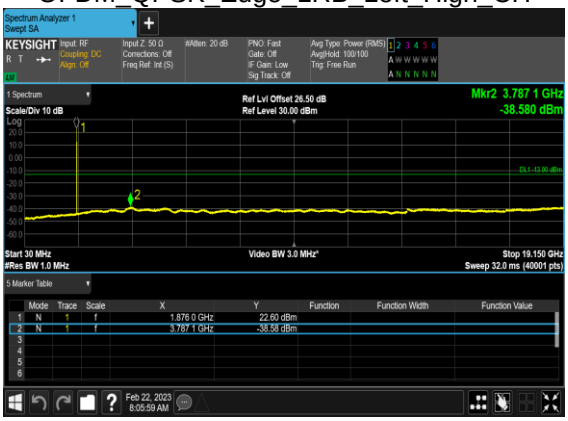
B48_N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B48_N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



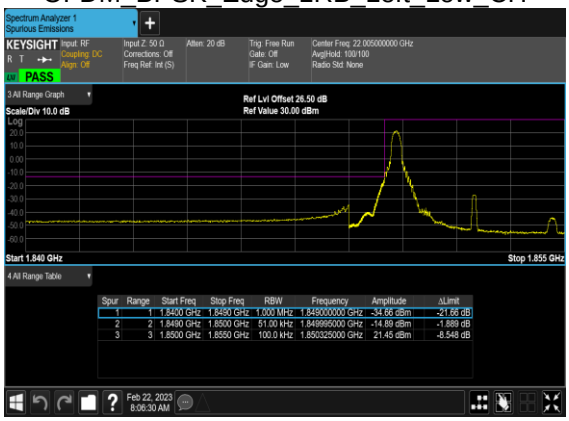
B48_N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



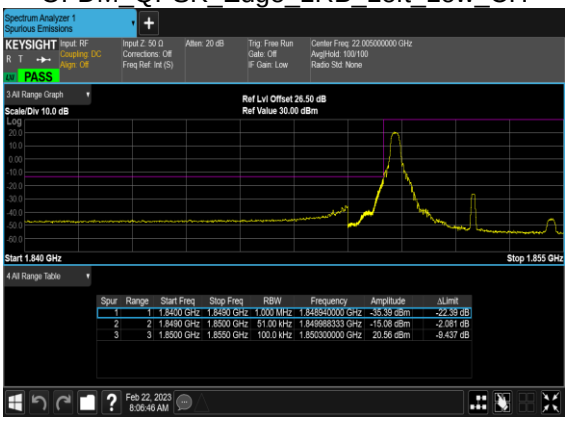
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	216@0	see graph	**PASS**
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@215	see graph	**PASS**
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@215	see graph	**PASS**
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	216@0	see graph	**PASS**

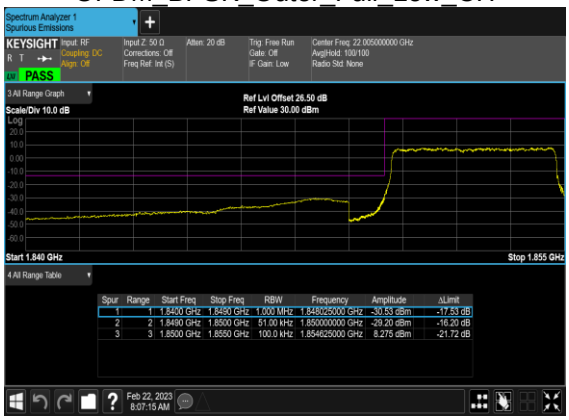
B48_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



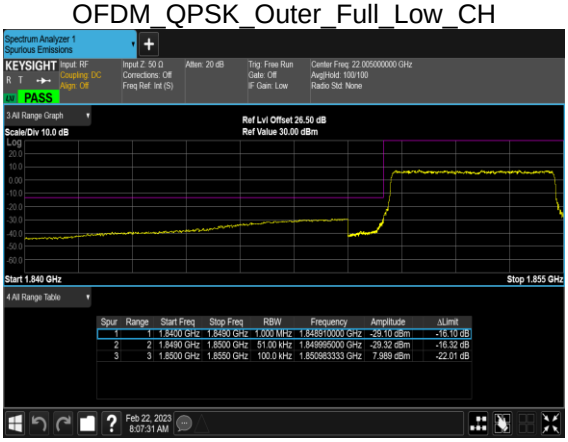
B48_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



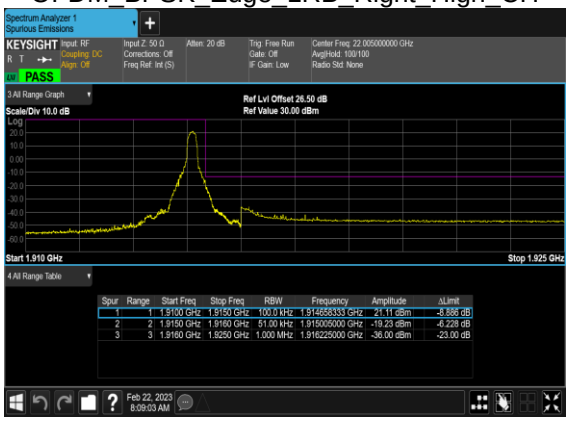
B48_N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



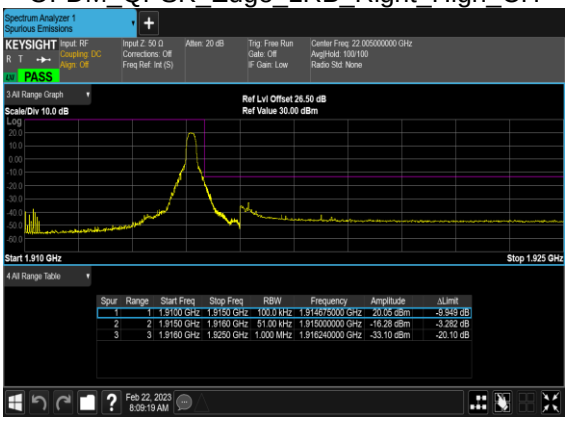
B48_N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



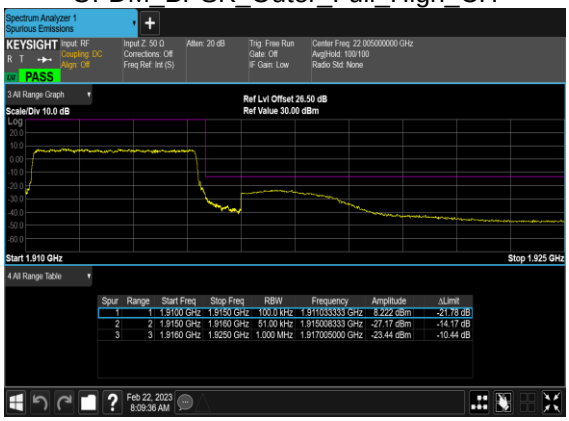
B48_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



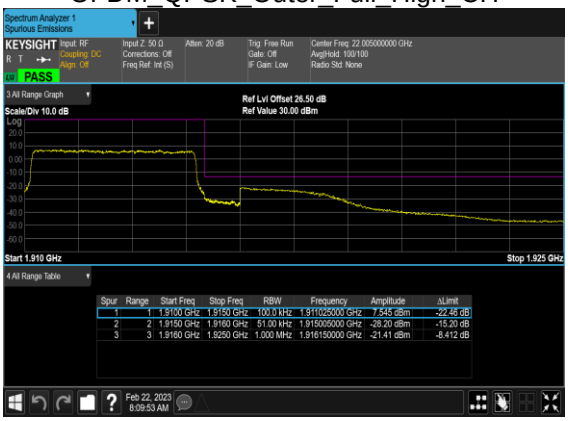
B48_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



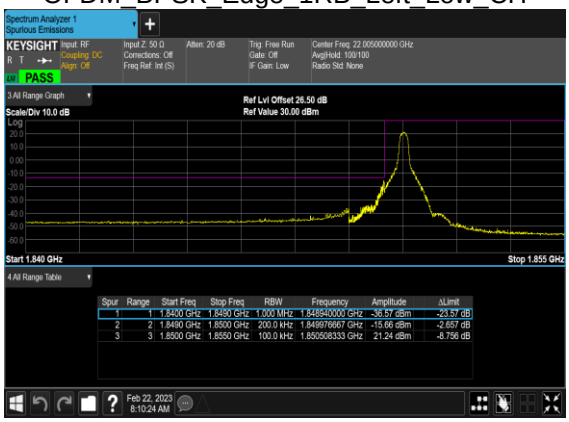
B48_N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



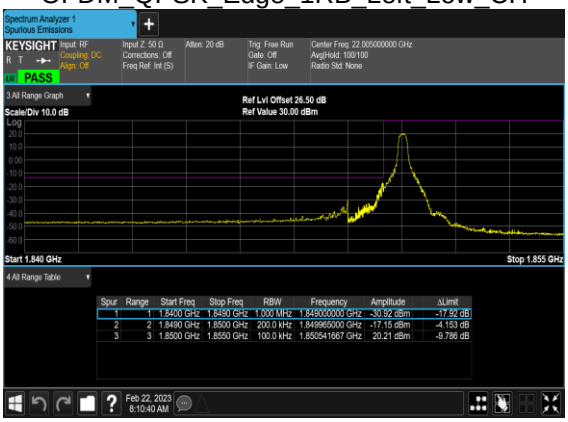
B48_N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



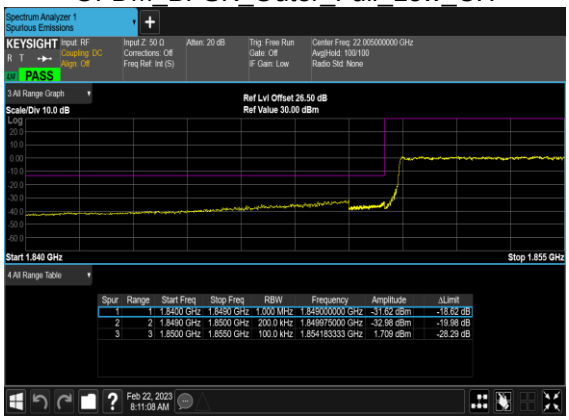
B48_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



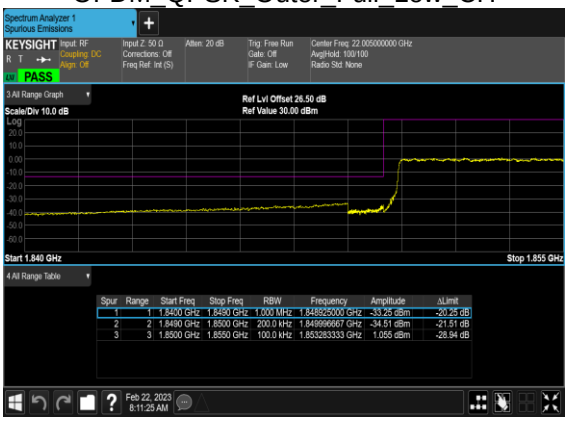
B48_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



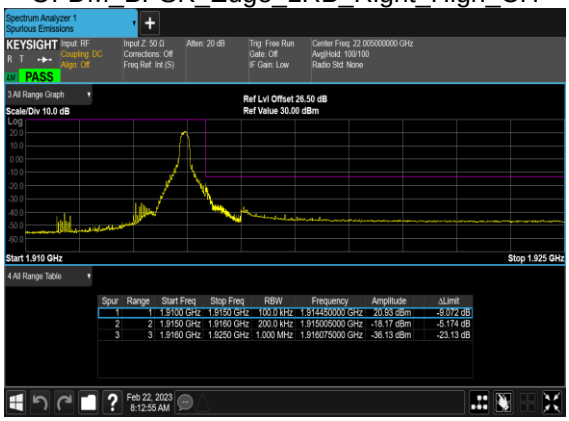
B48_N25(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



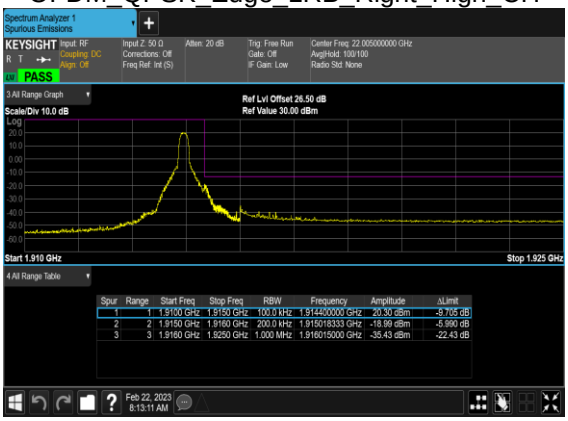
B48_N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B48_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B48_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



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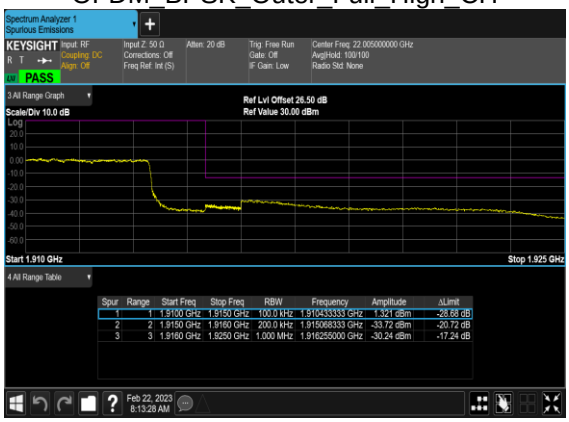

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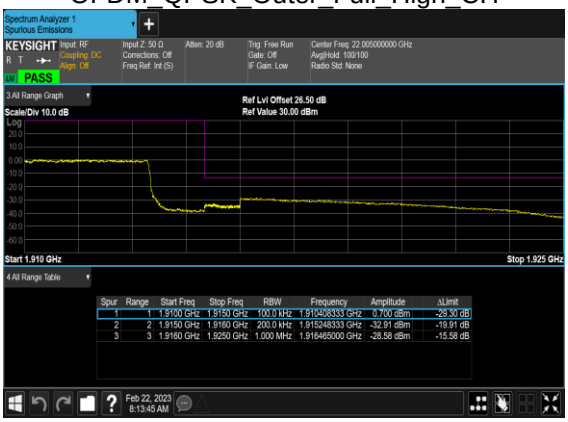
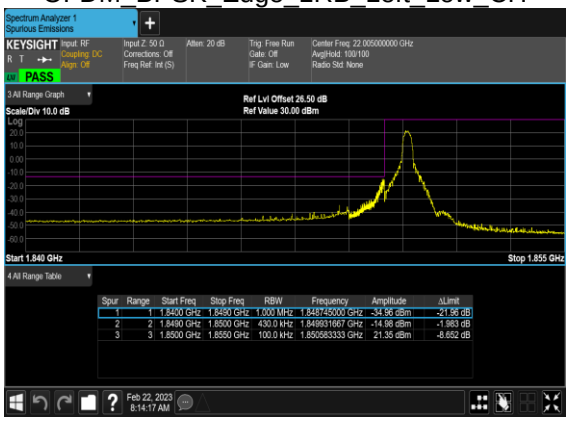
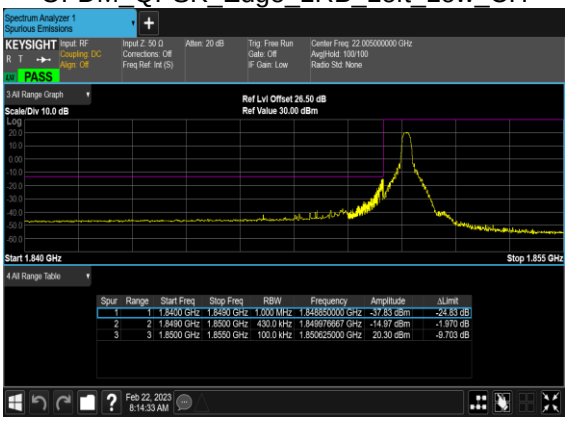


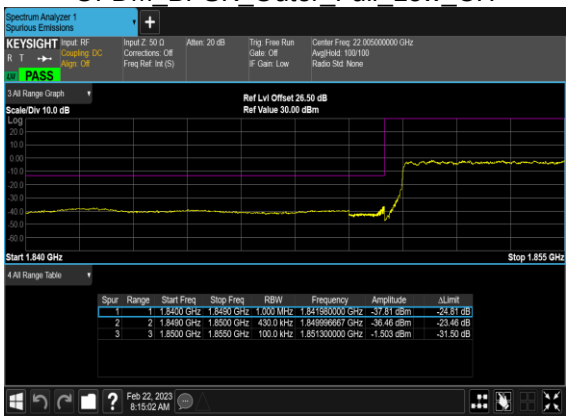
B48_N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



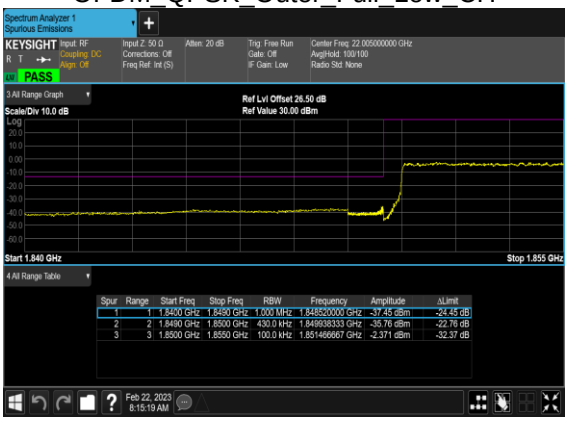
B48_N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



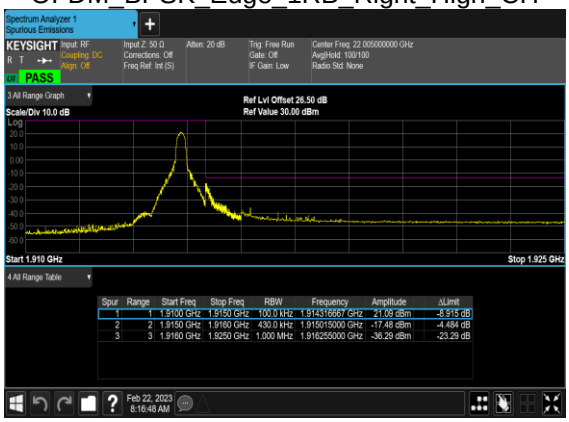
B48_N25(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



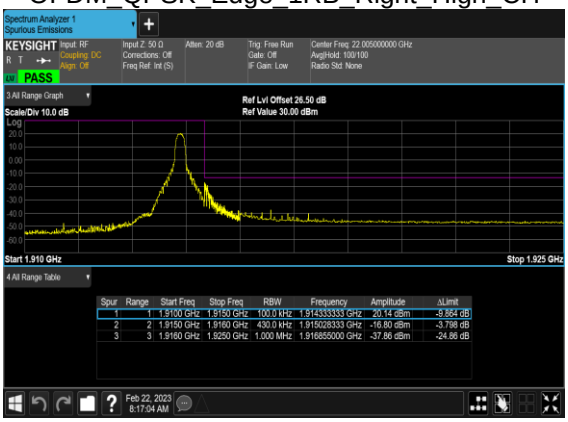
B48_N25(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



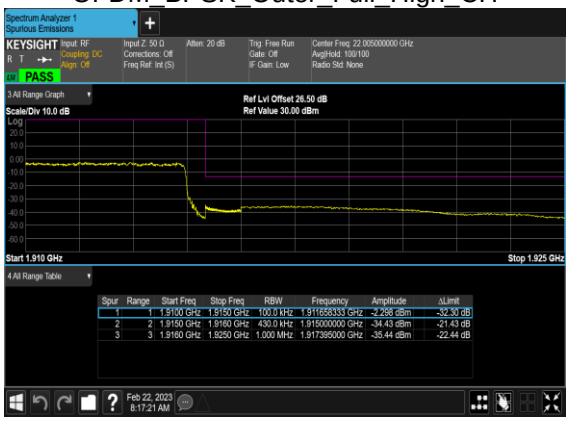
B48_N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



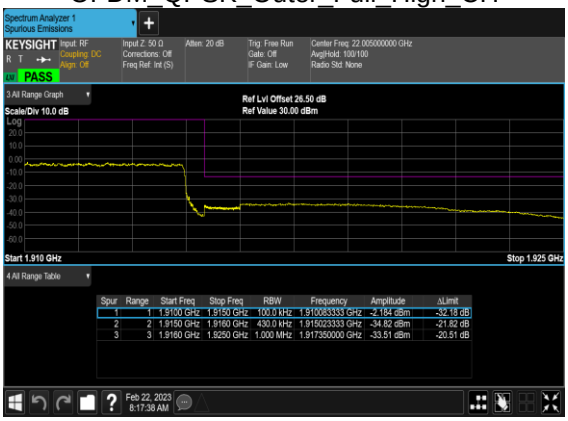
B48_N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B48_N25(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B48_N25(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.02.011001

FR1 N26(ANT0)

Transmitter Conducted Output Power and ERP, (G_T-L_C)=-3.0dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	ERP (dBm)	ERP (W)
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	23.02	17.87	0.0612
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	23.15	18	0.0631
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	22.76	17.61	0.0577
26	15	20	166800	834	DFT-s-OFDM QPSK	50@25	22.97	17.82	0.0605
26	15	20	166800	834	DFT-s-OFDM QPSK	1@1	22.9	17.75	0.0596
26	15	20	166800	834	DFT-s-OFDM QPSK	1@104	22.73	17.58	0.0573
26	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	22.98	17.83	0.0607
26	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	23.11	17.96	0.0625
26	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	22.94	17.79	0.0601
26	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	21.58	16.43	0.0440
26	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	21.67	16.52	0.0449
26	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	21.49	16.34	0.0431
26	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	19.54	14.39	0.0275
26	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	19.19	14.04	0.0254
26	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	19.11	13.96	0.0249
26	15	20	166800	834	CP-OFDM QPSK	1@1	22.52	17.37	0.0546
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	22.89	17.74	0.0594
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.96	17.81	0.0604
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	22.88	17.73	0.0593
26	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	22.94	17.79	0.0601
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	23.02	17.87	0.0612
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	22.87	17.72	0.0592
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	22.91	17.76	0.0597
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.05	17.9	0.0617
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	22.99	17.84	0.0608
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	21.5	16.35	0.0432
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	21.62	16.47	0.0444
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	21.4	16.25	0.0422
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	19.33	14.18	0.0262
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	19.27	14.12	0.0258
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	19.13	13.98	0.0250
26	15	20	167300	836.5	CP-OFDM QPSK	1@1	22.65	17.5	0.0562
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	22.85	17.7	0.0589
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	22.97	17.82	0.0605
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	22.74	17.59	0.0574
26	15	20	167800	839	DFT-s-OFDM QPSK	50@25	22.88	17.73	0.0593
26	15	20	167800	839	DFT-s-OFDM QPSK	1@1	22.96	17.81	0.0604

26	15	20	167800	839	DFT-s-OFDM QPSK	1@104	22.7	17.55	0.0569
26	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	22.86	17.71	0.0590
26	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	23.15	18	0.0631
26	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	22.86	17.71	0.0590
26	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	21.44	16.29	0.0426
26	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	21.63	16.48	0.0445
26	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	21.43	16.28	0.0425
26	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	19.38	14.23	0.0265
26	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	19.31	14.16	0.0261
26	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	19.09	13.94	0.0248
26	15	20	167800	839	CP-OFDM QPSK	1@1	22.65	17.5	0.0562
26	15	5	165300	826.5	DFT-s-OFDM PI/2 BPSK	1@1	22.88	17.73	0.0593
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	22.95	17.8	0.0603
26	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	23.02	17.87	0.0612
26	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.93	17.78	0.0600
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	22.88	17.73	0.0593
26	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.95	17.8	0.0603
26	15	5	169300	846.5	DFT-s-OFDM PI/2 BPSK	1@1	22.84	17.69	0.0587
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	22.96	17.81	0.0604
26	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	22.89	17.74	0.0594
26	15	10	165800	829	DFT-s-OFDM PI/2 BPSK	1@1	22.91	17.76	0.0597
26	15	10	165800	829	DFT-s-OFDM QPSK	1@1	22.87	17.72	0.0592
26	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	22.95	17.8	0.0603
26	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.82	17.67	0.0585
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	22.78	17.63	0.0579
26	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.83	17.68	0.0586
26	15	10	168800	844	DFT-s-OFDM PI/2 BPSK	1@1	22.9	17.75	0.0596
26	15	10	168800	844	DFT-s-OFDM QPSK	1@1	22.84	17.69	0.0587
26	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	22.98	17.83	0.0607
26	15	15	166300	831.5	DFT-s-OFDM PI/2 BPSK	1@1	22.97	17.82	0.0605
26	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	23.02	17.87	0.0612
26	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	23.01	17.86	0.0611
26	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.87	17.72	0.0592
26	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	22.94	17.79	0.0601
26	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.03	17.88	0.0614
26	15	15	168300	841.5	DFT-s-OFDM PI/2 BPSK	1@1	22.86	17.71	0.0590
26	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	22.98	17.83	0.0607
26	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	22.91	17.76	0.0597

Frequency Stability

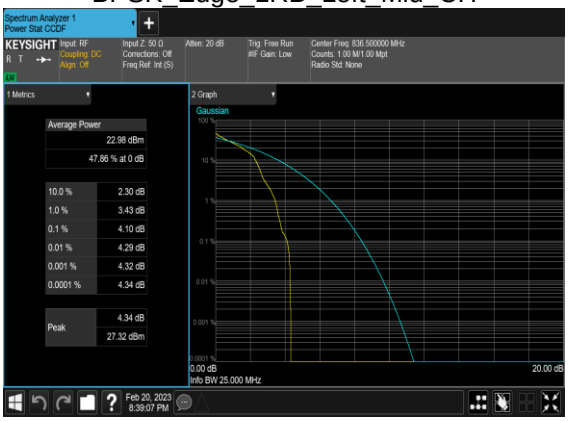
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
26	15	20	167300	836.5	DFT-s-OFDM QPS	100@0	0.0011	**PASS**	NV
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0022	**PASS**	LV
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0034	**PASS**	HV
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0016	**PASS**	-30℃
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0023	**PASS**	-20℃
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0019	**PASS**	-10℃
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0035	**PASS**	0℃
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0031	**PASS**	10℃
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0012	**PASS**	20℃
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0021	**PASS**	30℃
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0011	**PASS**	40℃
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0026	**PASS**	50℃

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	4.6	13	**PASS**
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@0	4.1	13	**PASS**
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	5.76	13	**PASS**
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	5.88	13	**PASS**

N26(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N26(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



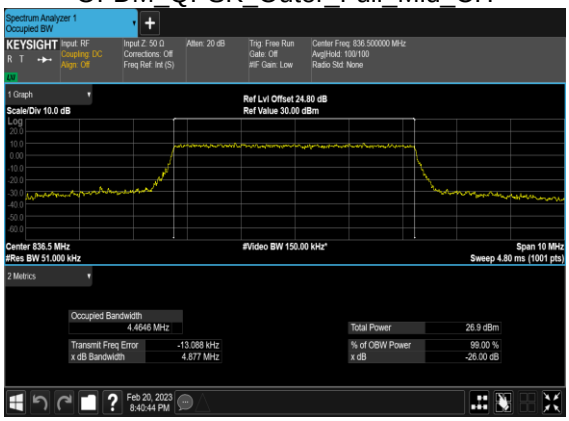
N26(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

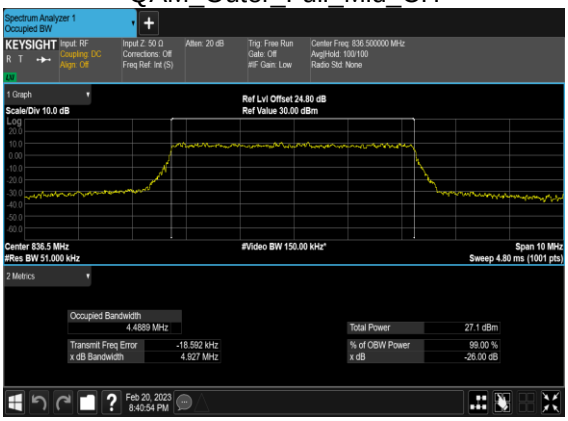
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
26	15	5	167300	836.5	CP-OFDM QPSK	25@0	4.4646	4.877
26	15	5	167300	836.5	CP-OFDM 16 QAM	25@0	4.4889	4.927
26	15	5	167300	836.5	CP-OFDM 64 QAM	25@0	4.4615	4.803
26	15	5	167300	836.5	CP-OFDM 256 QAM	25@0	4.4769	4.887
26	15	10	167300	836.5	CP-OFDM QPSK	52@0	9.2731	9.78
26	15	10	167300	836.5	CP-OFDM 16 QAM	52@0	9.2794	9.847
26	15	10	167300	836.5	CP-OFDM 64 QAM	52@0	9.27	9.789
26	15	10	167300	836.5	CP-OFDM 256 QAM	52@0	9.2802	9.874
26	15	15	167300	836.5	CP-OFDM QPSK	79@0	14.091	14.86
26	15	15	167300	836.5	CP-OFDM 16 QAM	79@0	14.078	14.77
26	15	15	167300	836.5	CP-OFDM 64 QAM	79@0	14.09	14.69
26	15	15	167300	836.5	CP-OFDM 256 QAM	79@0	14.067	14.76
26	15	20	167300	836.5	CP-OFDM QPSK	106@0	18.864	19.75
26	15	20	167300	836.5	CP-OFDM 16 QAM	106@0	18.905	19.69
26	15	20	167300	836.5	CP-OFDM 64 QAM	106@0	18.877	19.59
26	15	20	167300	836.5	CP-OFDM 256 QAM	106@0	18.862	19.63

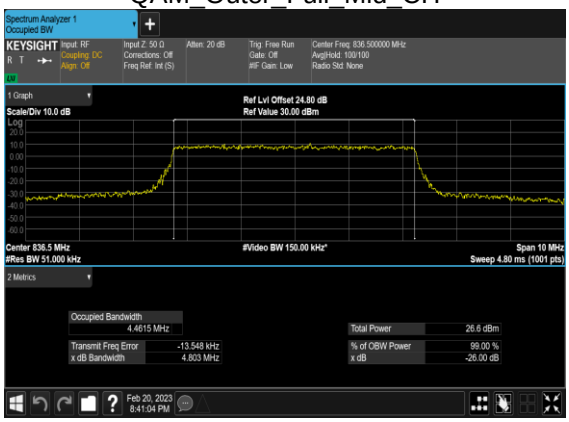
N26(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



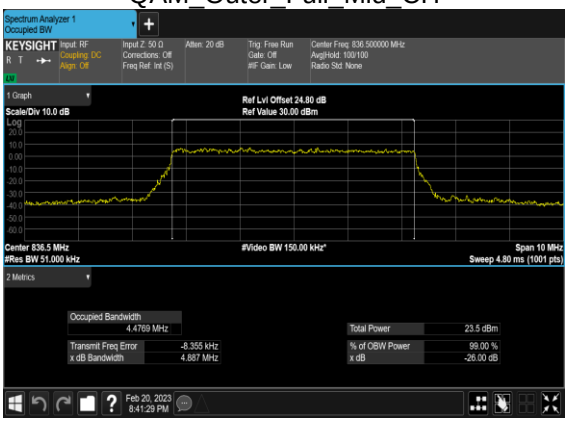
N26(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N26(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

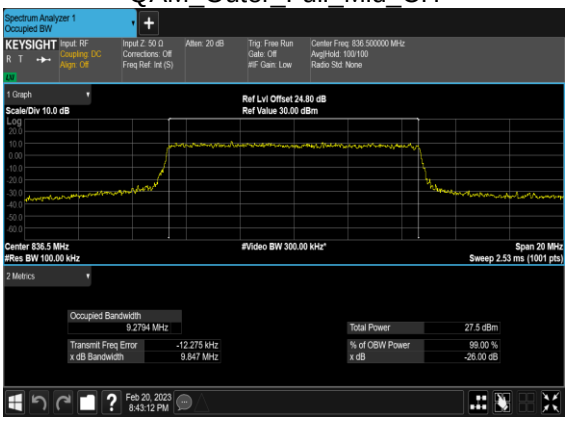


N26(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



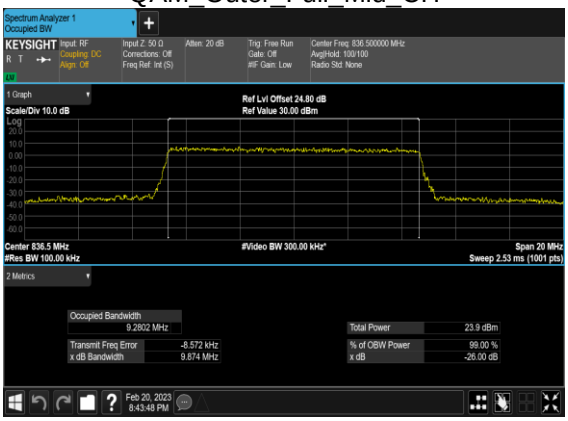
N26(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N26(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

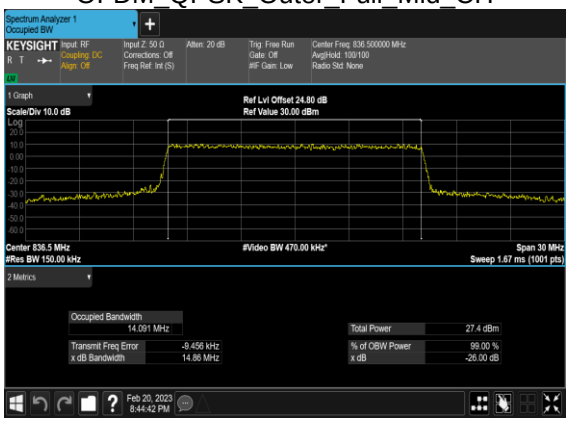


N26(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

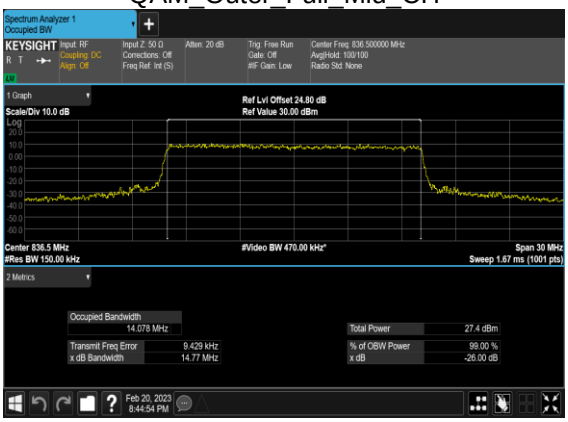
N26(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



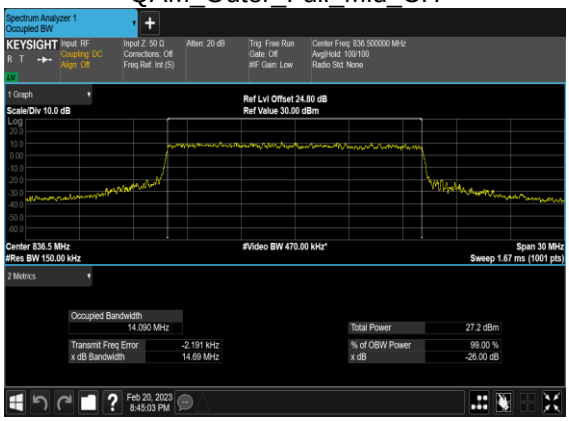
N26(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



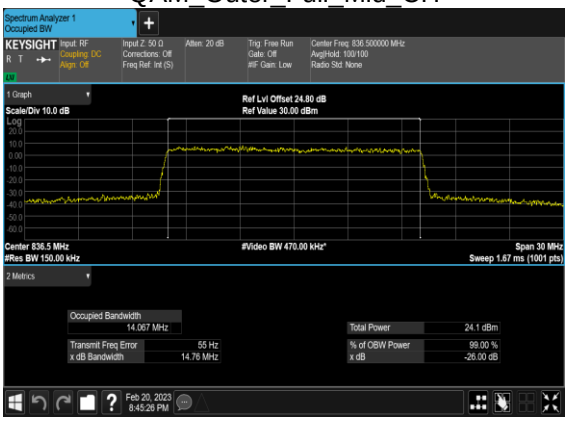
N26(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



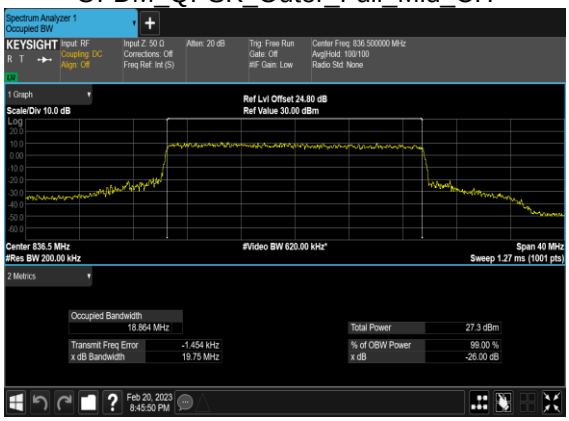
N26(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



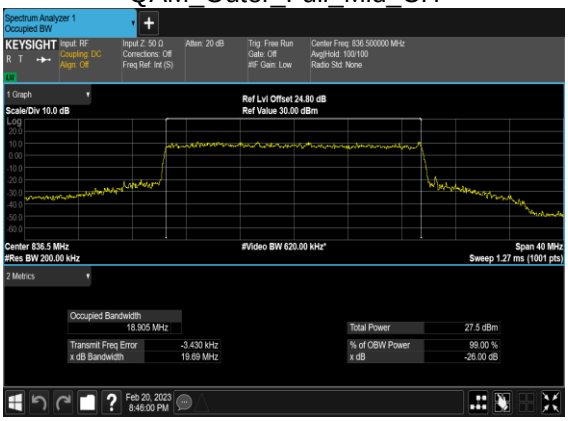
N26(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



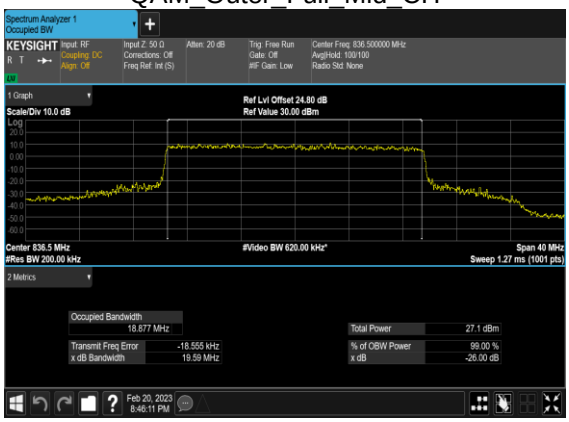
N26(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



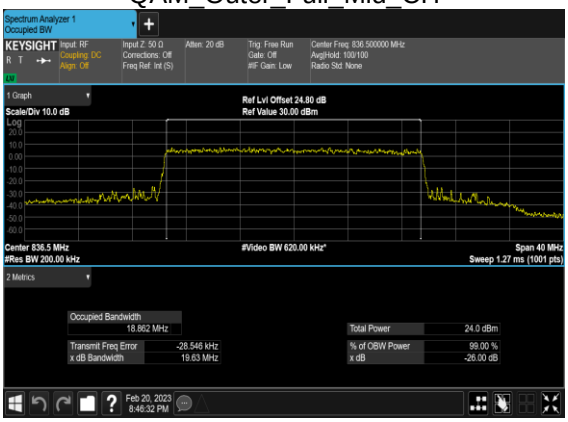
N26(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N26(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N26(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

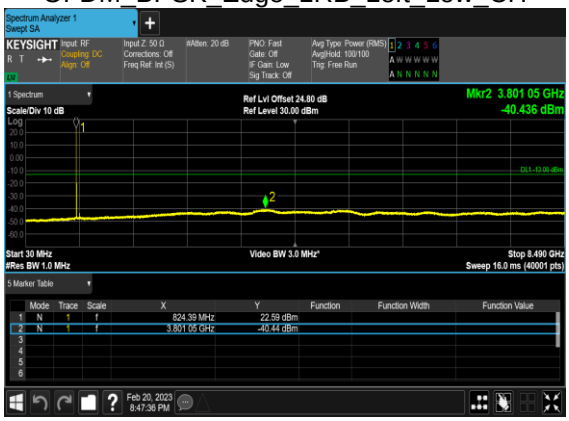


Conducted Spurious Emissions

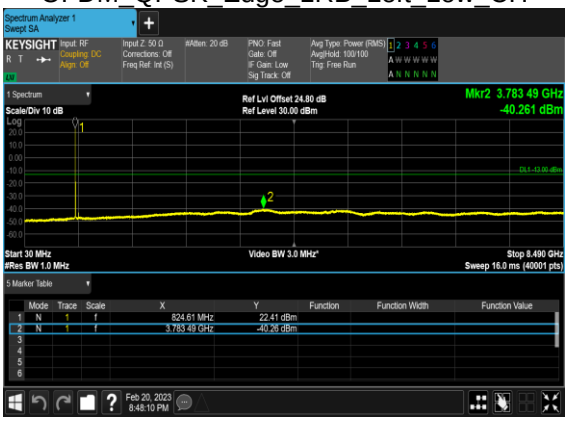
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	**---**

26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

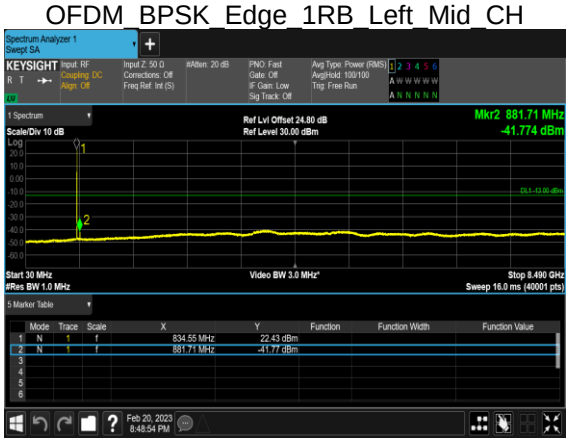
N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



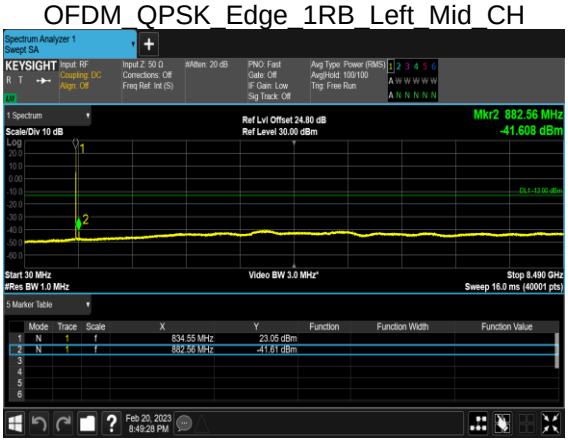
N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



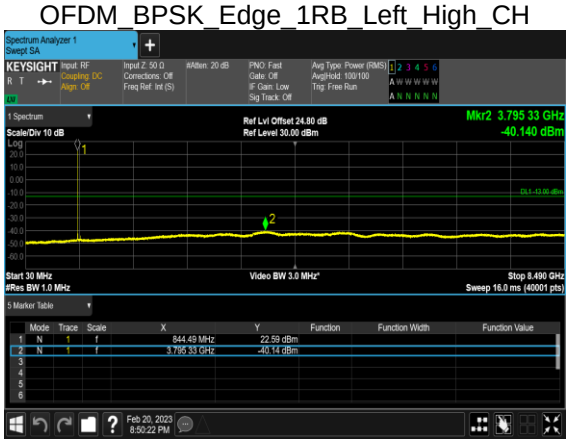
N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



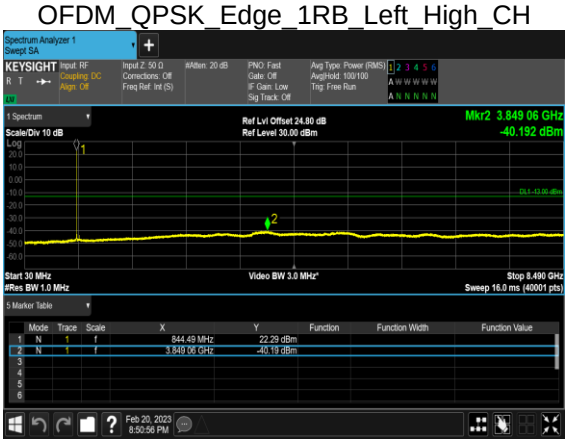
N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



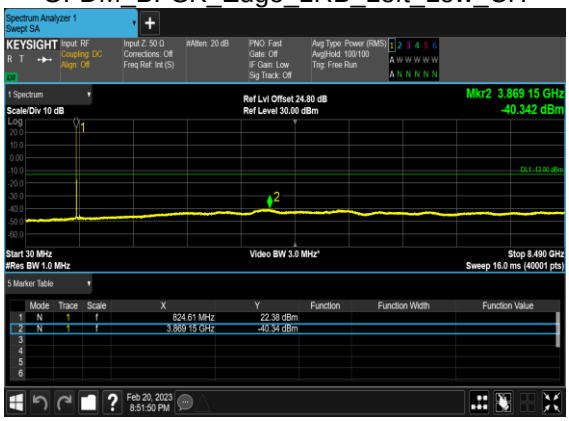
N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



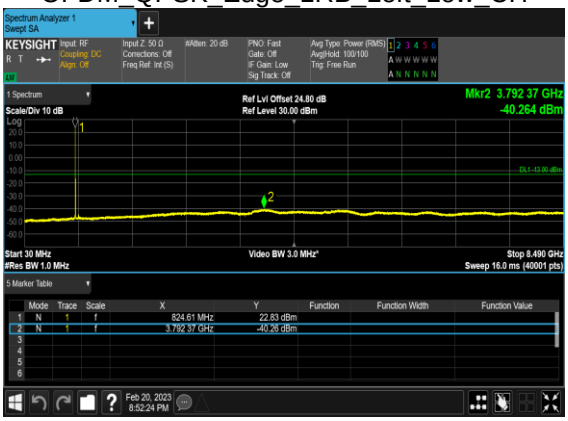
N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



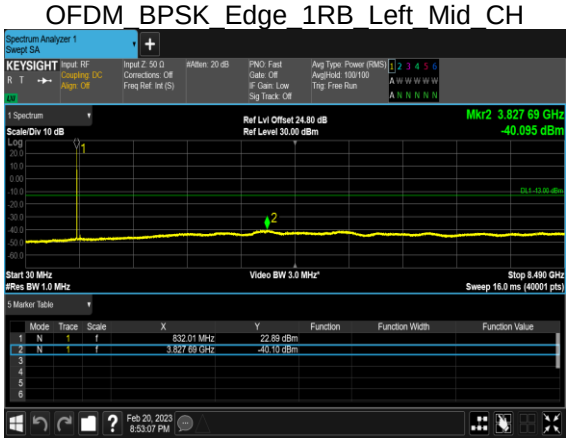
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



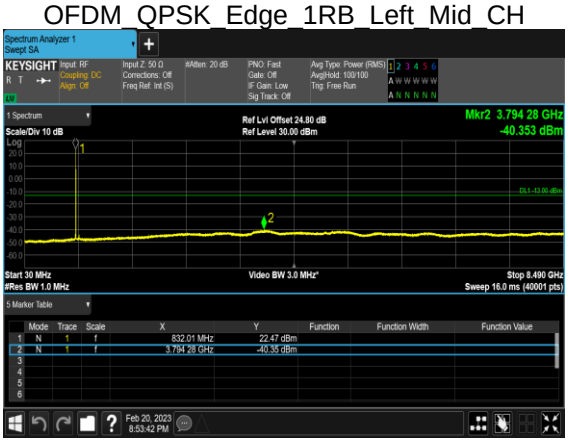
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



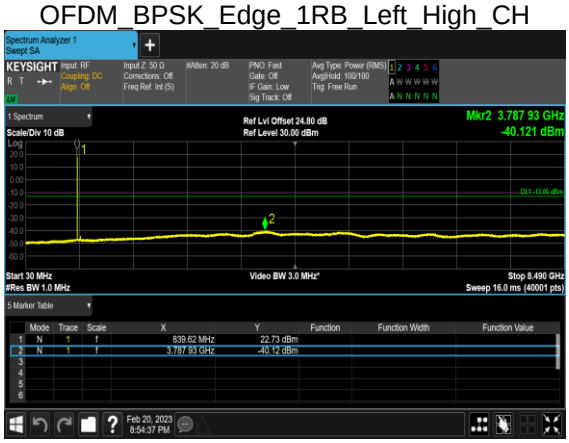
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



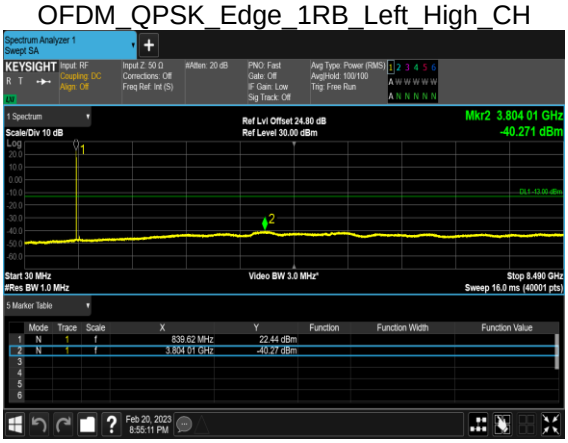
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



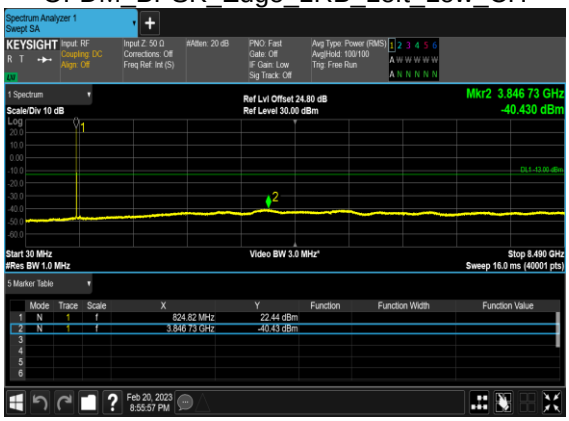
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



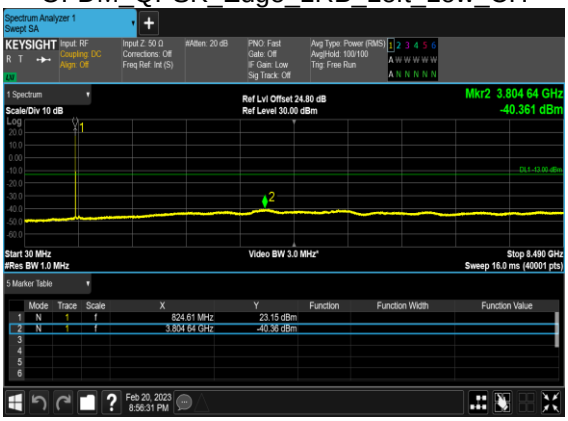
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



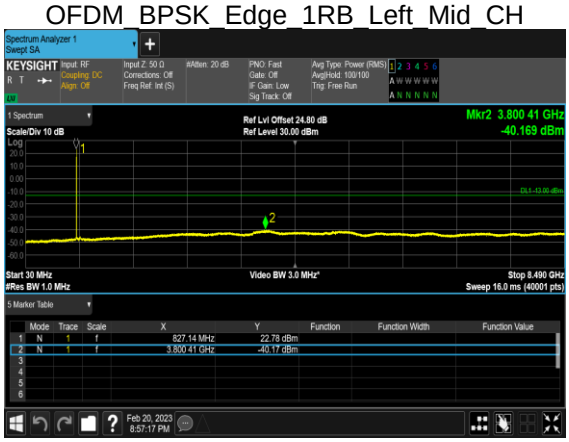
N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



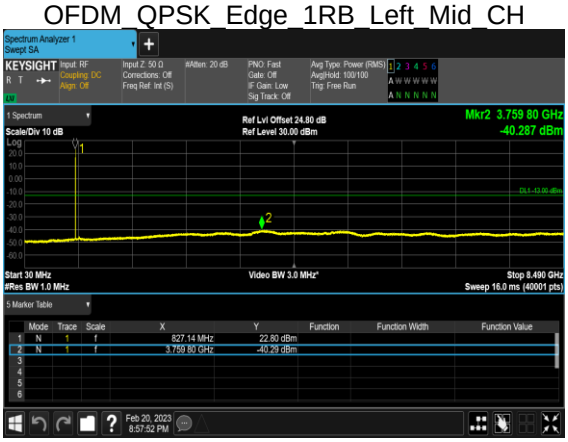
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



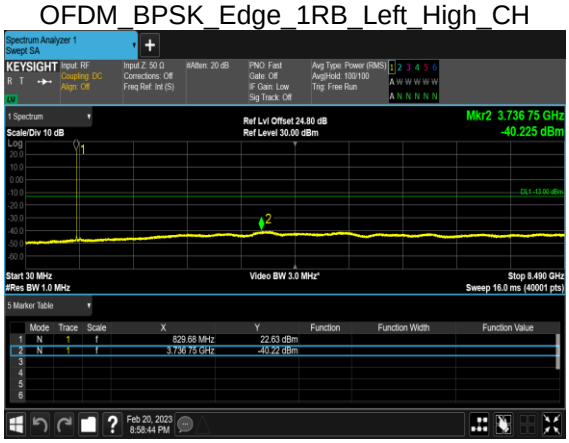
N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



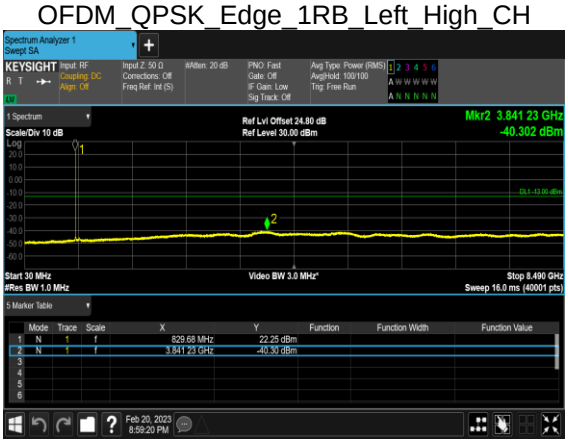
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



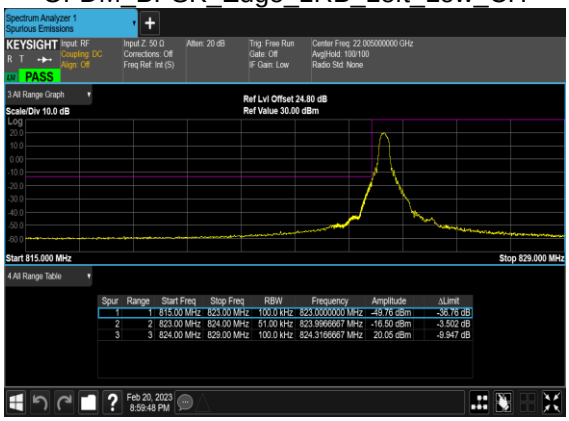
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



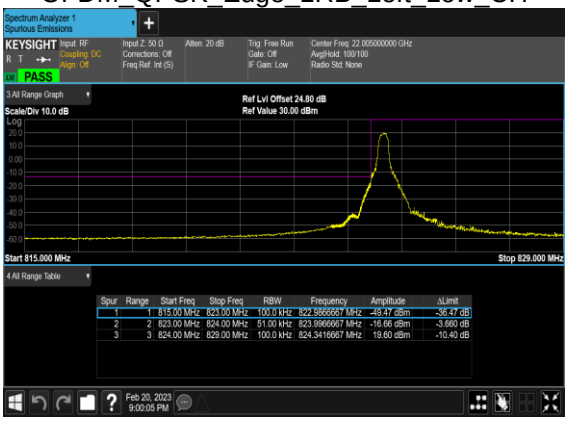
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	5	165300	826.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
26	15	5	165300	826.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
26	15	5	169300	846.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
26	15	10	165800	829.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
26	15	10	168800	844.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
26	15	20	166800	834.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
26	15	20	167800	839.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**

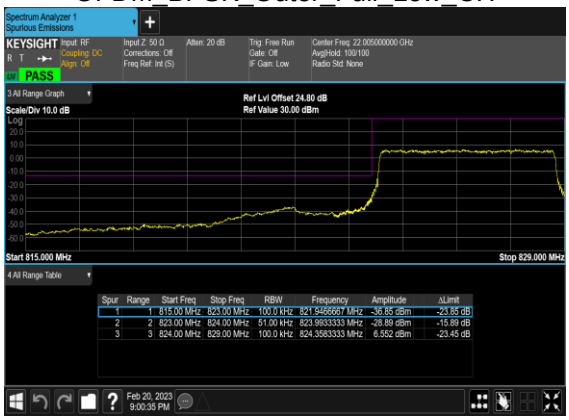
N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



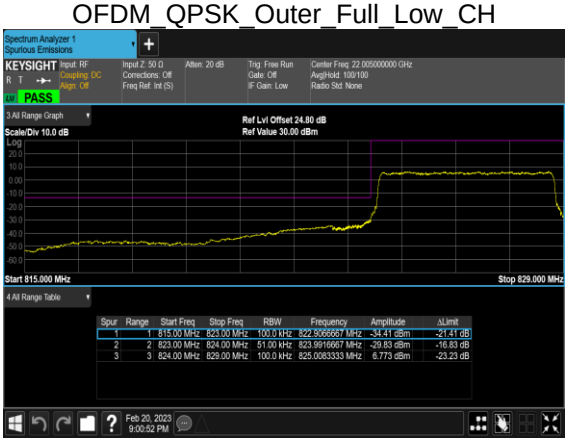
N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



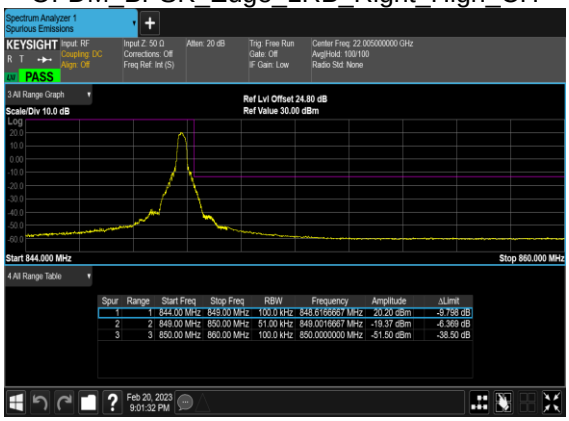
N26(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



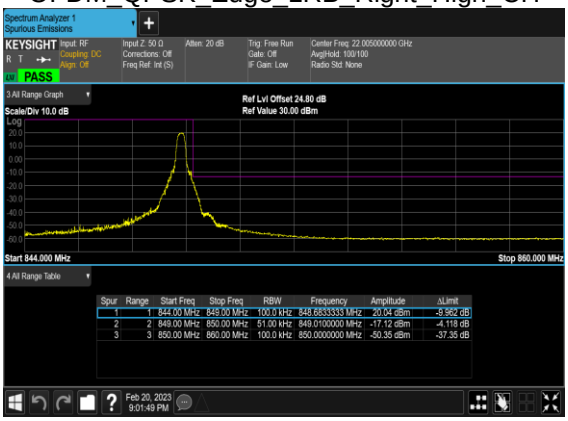
N26(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



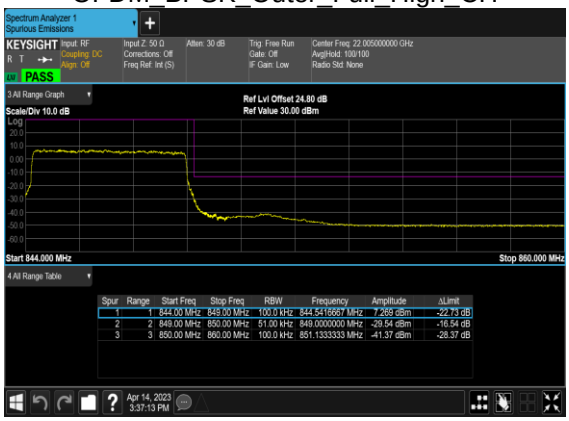
N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



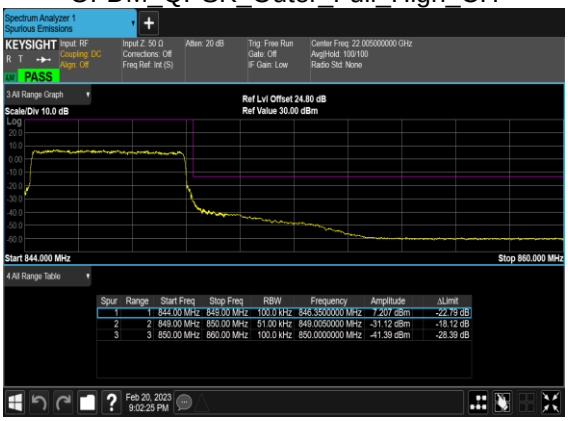
N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



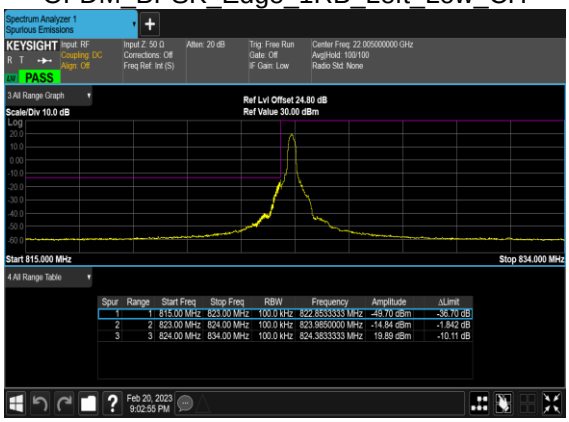
N26(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



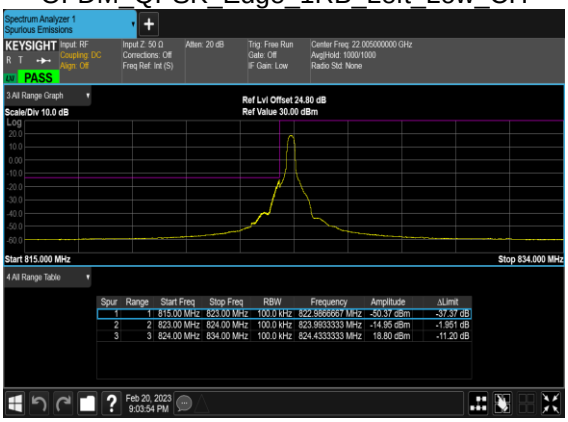
N26(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



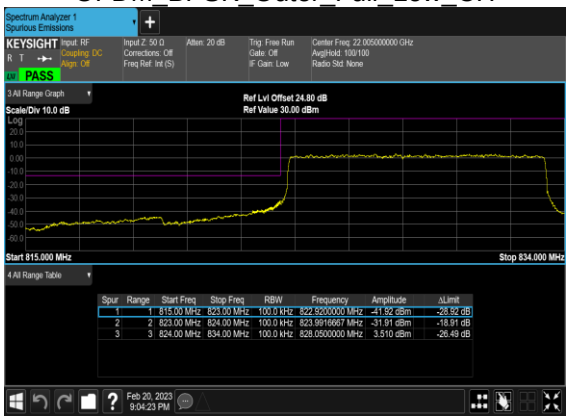
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



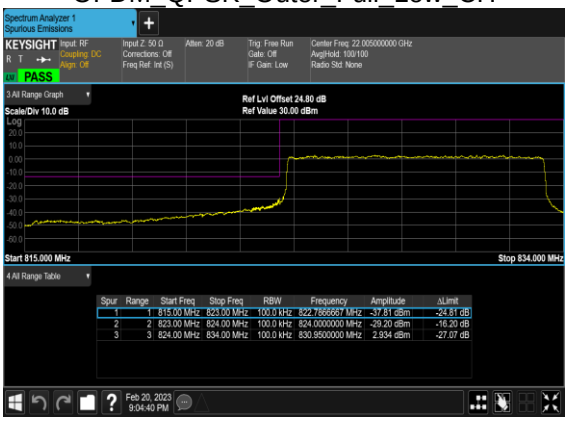
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



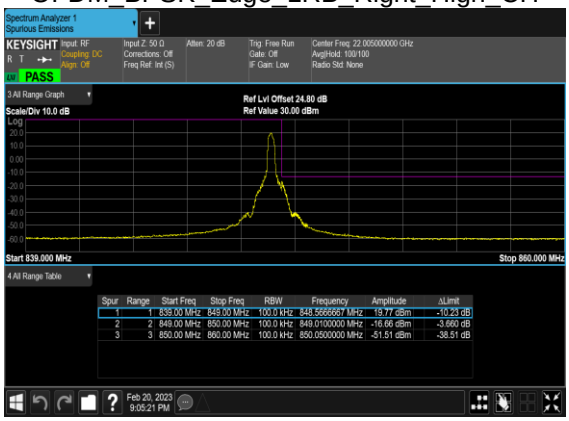
N26(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



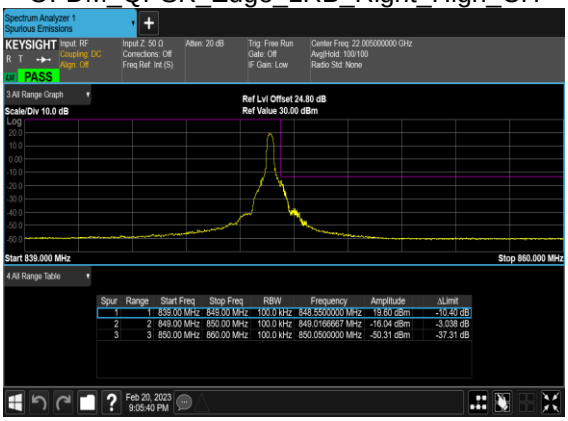
N26(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



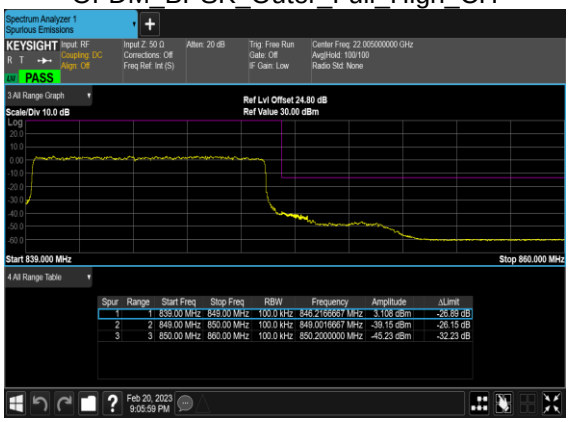
N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



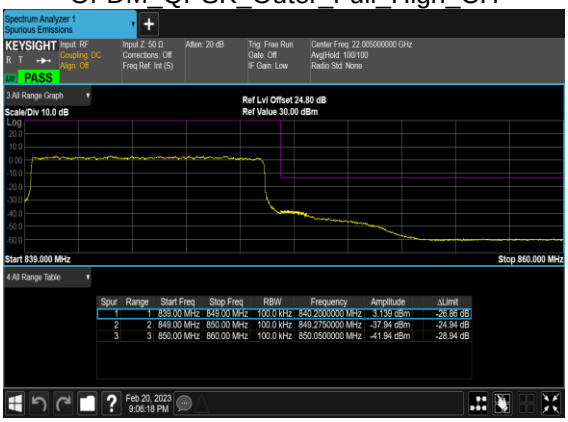
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



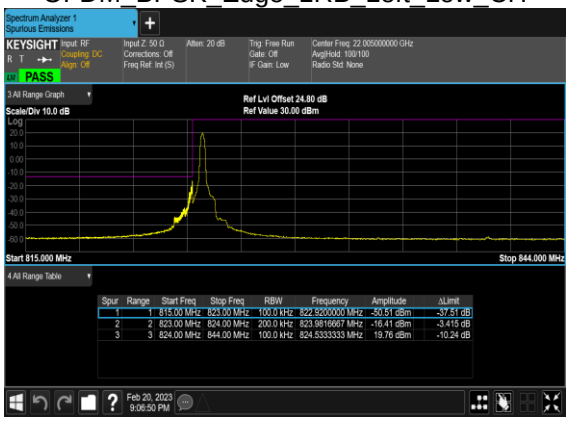
N26(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



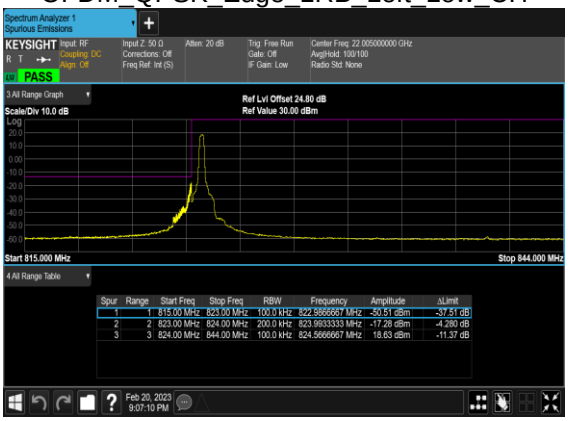
N26(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



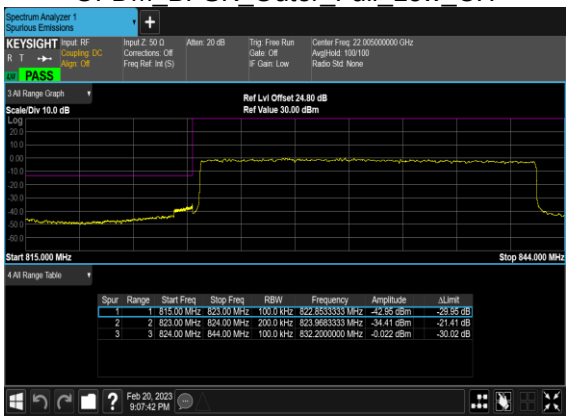
N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



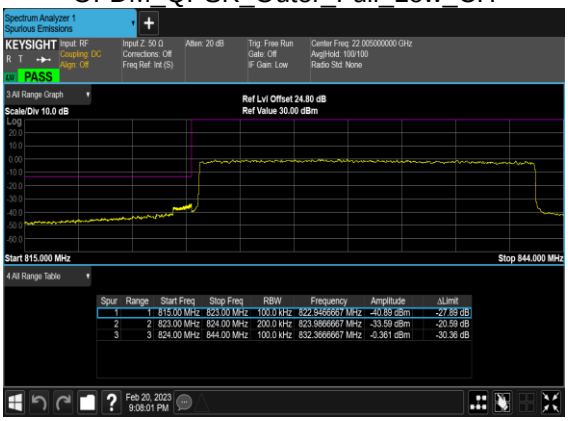
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



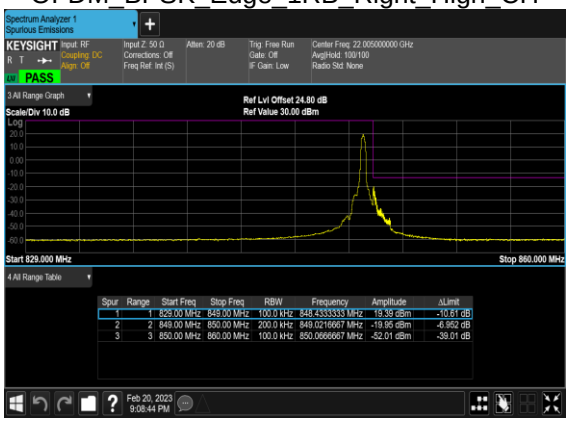
N26(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



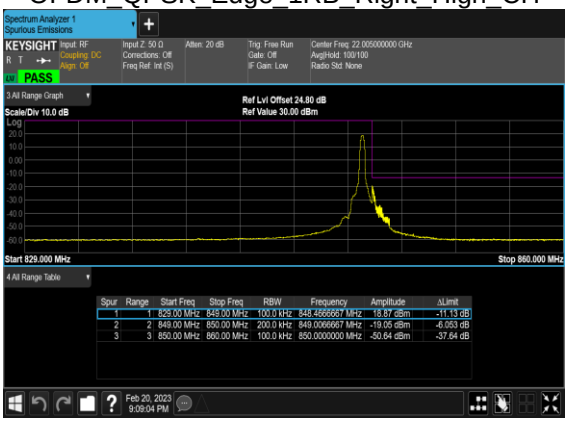
N26(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



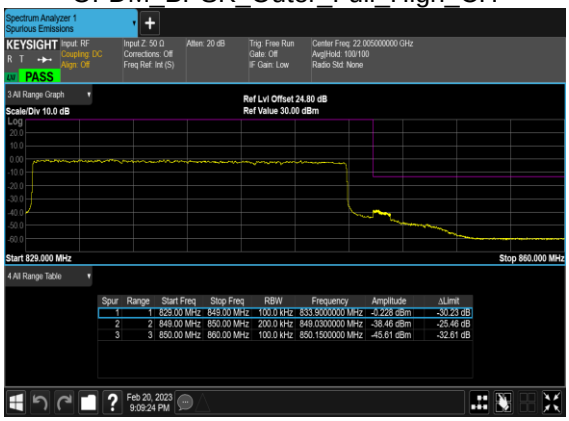
N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



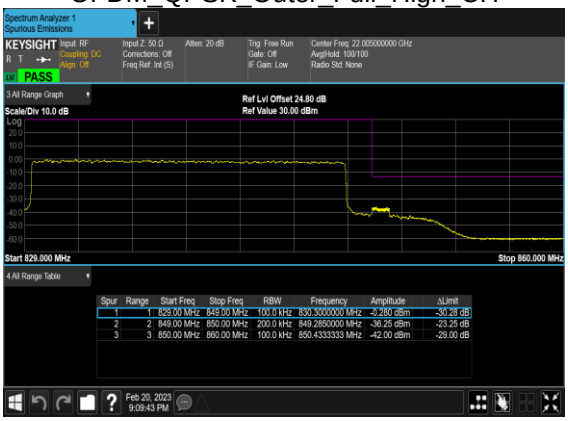
N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N26(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N26(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.02.011001

FR1 N71(ANT0)

Transmitter Conducted Output Power and ERP, (G_T-L_C)=2.7dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	ERP (dBm)	ERP (W)
71	15	5	133100	665.5	DFT-s-OFDM PI/2 BPSK	1@1	23.25	18.4	0.0692
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@1	23.45	18.6	0.0724
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@1	23.12	18.27	0.0671
71	15	5	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.48	18.63	0.0729
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@1	23.42	18.57	0.0719
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@1	23.28	18.43	0.0697
71	15	5	139100	695.5	DFT-s-OFDM PI/2 BPSK	1@1	23.41	18.56	0.0718
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@1	23.38	18.53	0.0713
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@1	23.22	18.37	0.0687
71	15	10	133600	668	DFT-s-OFDM PI/2 BPSK	1@1	23.65	18.8	0.0759
71	15	10	133600	668	DFT-s-OFDM QPSK	1@1	23.52	18.67	0.0736
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@1	23.49	18.64	0.0731
71	15	10	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.62	18.77	0.0753
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@1	23.55	18.7	0.0741
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@1	23.47	18.62	0.0728
71	15	10	138600	693	DFT-s-OFDM PI/2 BPSK	1@1	23.52	18.67	0.0736
71	15	10	138600	693	DFT-s-OFDM QPSK	1@1	23.43	18.58	0.0721
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@1	23.38	18.53	0.0713
71	15	15	134100	670.5	DFT-s-OFDM PI/2 BPSK	1@1	23.56	18.71	0.0743
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@1	23.45	18.6	0.0724
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@1	23.41	18.56	0.0718
71	15	15	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.53	18.68	0.0738
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@1	23.38	18.53	0.0713
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@1	23.41	18.56	0.0718
71	15	15	138100	690.5	DFT-s-OFDM PI/2 BPSK	1@1	23.38	18.53	0.0713
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@1	23.42	18.57	0.0719
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@1	23.21	18.36	0.0685
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	50@25	22.87	18.02	0.0634
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@1	23.85	19	0.0794
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@104	22.68	17.83	0.0607
71	15	20	134600	673	DFT-s-OFDM QPSK	50@25	22.81	17.96	0.0625
71	15	20	134600	673	DFT-s-OFDM QPSK	1@1	23.89	19.04	0.0802
71	15	20	134600	673	DFT-s-OFDM QPSK	1@104	22.64	17.79	0.0601
71	15	20	134600	673	DFT-s-OFDM 16 QAM	50@25	22.81	17.96	0.0625
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@1	23.93	19.08	0.0809
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@104	22.81	17.96	0.0625
71	15	20	134600	673	DFT-s-OFDM 64 QAM	50@25	21.35	16.5	0.0447
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@1	21.33	16.48	0.0445
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@104	21.44	16.59	0.0456
71	15	20	134600	673	DFT-s-OFDM 256 QAM	50@25	18.42	13.57	0.0228
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@1	19.13	14.28	0.0268

71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@104	19.15	14.3	0.0269
71	15	20	134600	673	CP-OFDM QPSK	53@26	22.53	17.68	0.0586
71	15	20	134600	673	CP-OFDM QPSK	1@1	22.56	17.71	0.0590
71	15	20	134600	673	CP-OFDM QPSK	1@104	22.2	17.35	0.0543
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	50@25	22.46	17.61	0.0577
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.58	18.73	0.0746
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@104	22.38	17.53	0.0566
71	15	20	136100	680.5	DFT-s-OFDM QPSK	50@25	22.67	17.82	0.0605
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@1	23.68	18.83	0.0764
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@104	22.36	17.51	0.0564
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	50@25	22.59	17.74	0.0594
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@1	23.7	18.85	0.0767
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@104	22.48	17.63	0.0579
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	50@25	21.2	16.35	0.0432
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@1	21.27	16.42	0.0439
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@104	20.95	16.1	0.0407
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	50@25	19.05	14.2	0.0263
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@1	18.83	13.98	0.0250
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@104	18.77	13.92	0.0247
71	15	20	136100	680.5	CP-OFDM QPSK	53@26	22.14	17.29	0.0536
71	15	20	136100	680.5	CP-OFDM QPSK	1@1	22.25	17.4	0.0550
71	15	20	136100	680.5	CP-OFDM QPSK	1@104	21.98	17.13	0.0516
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	50@25	22.23	17.38	0.0547
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@1	24.31	19.46	0.0883
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@104	22.37	17.52	0.0565
71	15	20	137600	688	DFT-s-OFDM QPSK	50@25	22.5	17.65	0.0582
71	15	20	137600	688	DFT-s-OFDM QPSK	1@1	23.65	18.8	0.0759
71	15	20	137600	688	DFT-s-OFDM QPSK	1@104	22.38	17.53	0.0566
71	15	20	137600	688	DFT-s-OFDM 16 QAM	50@25	22.45	17.6	0.0575
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@1	23.73	18.88	0.0773
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@104	22.54	17.69	0.0587
71	15	20	137600	688	DFT-s-OFDM 64 QAM	50@25	20.95	16.1	0.0407
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@1	21.28	16.43	0.0440
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@104	21.12	16.27	0.0424
71	15	20	137600	688	DFT-s-OFDM 256 QAM	50@25	18.89	14.04	0.0254
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@1	18.82	13.97	0.0249
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@104	18.69	13.84	0.0242
71	15	20	137600	688	CP-OFDM QPSK	53@26	22.07	17.22	0.0527
71	15	20	137600	688	CP-OFDM QPSK	1@1	22.22	17.37	0.0546
71	15	20	137600	688	CP-OFDM QPSK	1@104	22.02	17.17	0.0521

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	-0.0009	**PASS**	NV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0014	**PASS**	LV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0011	**PASS**	HV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0024	**PASS**	-30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0017	**PASS**	-20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0032	**PASS**	-10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0023	**PASS**	0℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	-0.0019	**PASS**	10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0021	**PASS**	20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0016	**PASS**	30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0027	**PASS**	40℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	0.0018	**PASS**	50℃

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	100@0	3.87	13	**PASS**
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@0	4.32	13	**PASS**
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	5.65	13	**PASS**
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@0	6.02	13	**PASS**