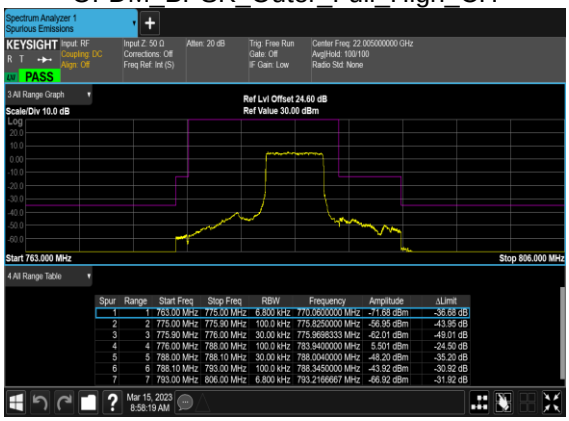
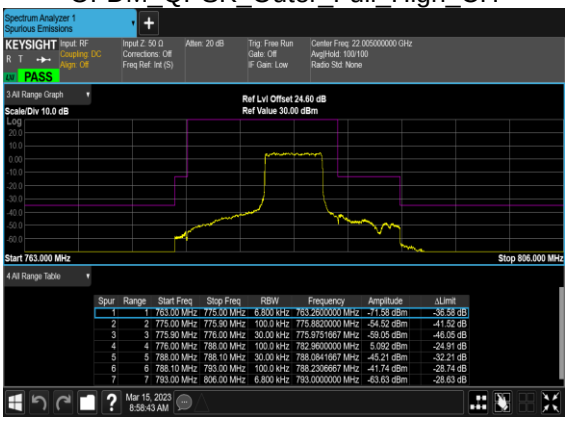
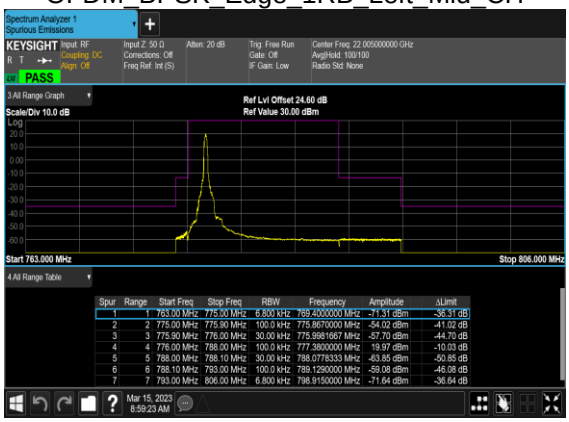
N13(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



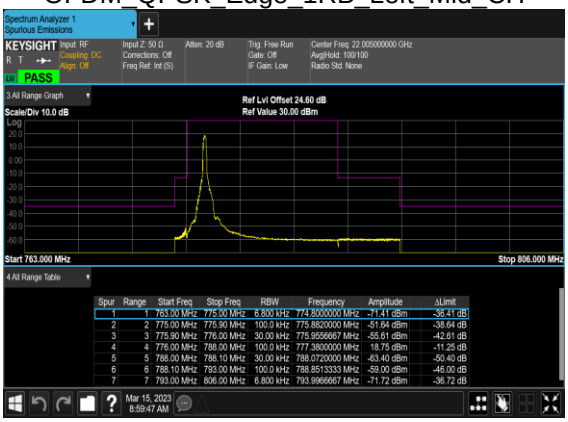
N13(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



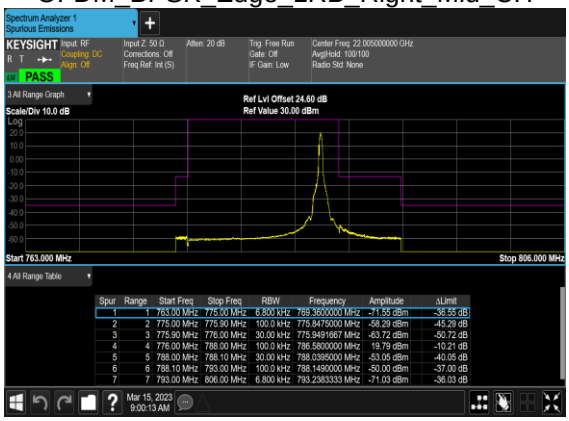
N13(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



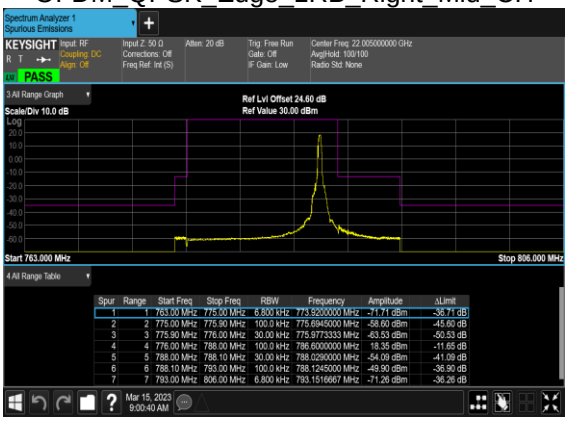
N13(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



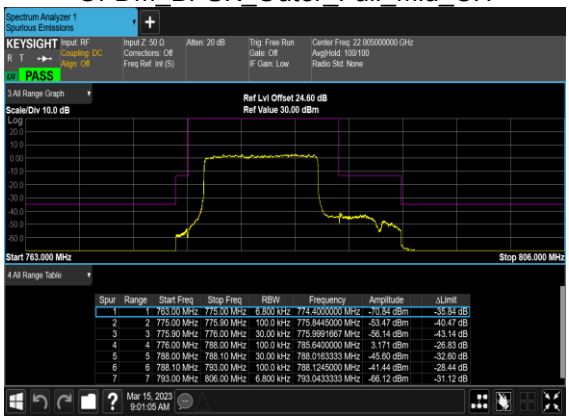
N13(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



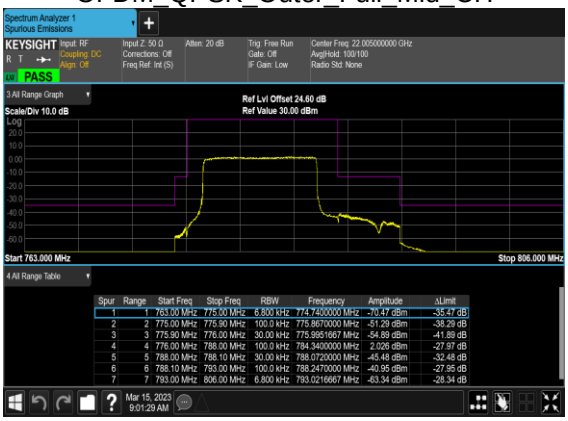
N13(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N13(10M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N13(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



Software Version: 23.02.011001

FR1 N25(ANT2)-Main PA

Transmitter Conducted Output Power and EIRP, (G_T-L_C)=-0.5dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	108@54	23.86	23.36	0.2168
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	1@1	23.78	23.28	0.2128
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	1@214	23.88	23.38	0.2178
25	15	40	374000	1870	DFT-s-OFDM QPSK	108@54	23.8	23.3	0.2138
25	15	40	374000	1870	DFT-s-OFDM QPSK	1@1	22.82	22.32	0.1706
25	15	40	374000	1870	DFT-s-OFDM QPSK	1@214	22.89	22.39	0.1734
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	108@54	22.78	22.28	0.1690
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	1@1	22.04	21.54	0.1426
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	1@214	22.14	21.64	0.1459
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	108@54	21.28	20.78	0.1197
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	1@1	20.66	20.16	0.1038
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	1@214	20.76	20.26	0.1062
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	108@54	19.23	18.73	0.0746
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	1@1	19.07	18.57	0.0719
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	1@214	19.14	18.64	0.0731
25	15	40	374000	1870	CP-OFDM QPSK	1@1	21.62	21.12	0.1294
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	108@54	23.85	23.35	0.2163
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.66	23.16	0.2070
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@214	23.77	23.27	0.2123
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	108@54	23.9	23.4	0.2188
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.77	23.27	0.2123
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@214	23.79	23.29	0.2133
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	108@54	22.98	22.48	0.1770
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.83	22.33	0.1710
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	1@214	22.9	22.4	0.1738
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	108@54	21.4	20.9	0.1230
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.34	20.84	0.1213
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	1@214	21.44	20.94	0.1242
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	108@54	19.32	18.82	0.0762
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	1@1	18.92	18.42	0.0695
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	1@214	19.27	18.77	0.0753
25	15	40	376500	1882.5	CP-OFDM QPSK	1@1	22.2	21.7	0.1479
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	108@54	23.72	23.22	0.2099
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	1@1	24.12	23.62	0.2301
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	1@214	23.82	23.32	0.2148
25	15	40	379000	1895	DFT-s-OFDM QPSK	108@54	23.85	23.35	0.2163
25	15	40	379000	1895	DFT-s-OFDM QPSK	1@1	23.76	23.26	0.2118

25	15	40	379000	1895	DFT-s-OFDM QPSK	1@214	23.42	22.92	0.1959
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	108@54	22.87	22.37	0.1726
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	1@1	22.91	22.41	0.1742
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	1@214	22.65	22.15	0.1641
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	108@54	21.45	20.95	0.1245
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	1@1	21.36	20.86	0.1219
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	1@214	21.24	20.74	0.1186
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	108@54	19.38	18.88	0.0773
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	1@1	18.96	18.46	0.0701
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	1@214	19.27	18.77	0.0753
25	15	40	379000	1895	CP-OFDM QPSK	1@1	22.34	21.84	0.1528
25	15	5	370500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	23.74	23.24	0.2109
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	23.72	23.22	0.2099
25	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	23.69	23.19	0.2084
25	15	5	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.75	23.25	0.2113
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.73	23.23	0.2104
25	15	5	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.69	23.19	0.2084
25	15	5	382500	1912.5	DFT-s-OFDM PI/2 BPSK	1@1	23.8	23.3	0.2138
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@1	23.79	23.29	0.2133
25	15	5	382500	1912.5	DFT-s-OFDM 16 QAM	1@1	23.75	23.25	0.2113
25	15	10	371000	1855	DFT-s-OFDM PI/2 BPSK	1@1	23.74	23.24	0.2109
25	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	23.72	23.22	0.2099
25	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	23.69	23.19	0.2084
25	15	10	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.65	23.15	0.2065
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.62	23.12	0.2051
25	15	10	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.59	23.09	0.2037
25	15	10	382000	1910	DFT-s-OFDM PI/2 BPSK	1@1	23.88	23.38	0.2178
25	15	10	382000	1910	DFT-s-OFDM QPSK	1@1	23.84	23.34	0.2158
25	15	10	382000	1910	DFT-s-OFDM 16 QAM	1@1	23.76	23.26	0.2118
25	15	15	371500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	23.73	23.23	0.2104
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.72	23.22	0.2099
25	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	23.69	23.19	0.2084
25	15	15	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.66	23.16	0.2070
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.64	23.14	0.2061
25	15	15	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.61	23.11	0.2046
25	15	15	381500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	23.73	23.23	0.2104
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	1@1	23.71	23.21	0.2094
25	15	15	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	23.69	23.19	0.2084
25	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	23.81	23.31	0.2143
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	23.8	23.3	0.2138
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	23.72	23.22	0.2099
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.82	23.32	0.2148
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.79	23.29	0.2133
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.74	23.24	0.2109

25	15	20	381000	1905	DFT-s-OFDM PI/2 BPSK	1@1	23.82	23.32	0.2148
25	15	20	381000	1905	DFT-s-OFDM QPSK	1@1	23.81	23.31	0.2143
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@1	23.76	23.26	0.2118
25	15	25	372500	1862.5	DFT-s-OFDM PI/2 BPSK	1@1	23.67	23.17	0.2075
25	15	25	372500	1862.5	DFT-s-OFDM QPSK	1@1	23.62	23.12	0.2051
25	15	25	372500	1862.5	DFT-s-OFDM 16 QAM	1@1	23.58	23.08	0.2032
25	15	25	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.61	23.11	0.2046
25	15	25	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.57	23.07	0.2028
25	15	25	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.54	23.04	0.2014
25	15	25	380500	1902.5	DFT-s-OFDM PI/2 BPSK	1@1	23.86	23.36	0.2168
25	15	25	380500	1902.5	DFT-s-OFDM QPSK	1@1	23.84	23.34	0.2158
25	15	25	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	23.82	23.32	0.2148
25	15	30	373000	1865	DFT-s-OFDM PI/2 BPSK	1@1	23.65	23.15	0.2065
25	15	30	373000	1865	DFT-s-OFDM QPSK	1@1	23.63	23.13	0.2056
25	15	30	373000	1865	DFT-s-OFDM 16 QAM	1@1	23.61	23.11	0.2046
25	15	30	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.72	23.22	0.2099
25	15	30	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.69	23.19	0.2084
25	15	30	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.65	23.15	0.2065
25	15	30	380000	1900	DFT-s-OFDM PI/2 BPSK	1@1	23.84	23.34	0.2158
25	15	30	380000	1900	DFT-s-OFDM QPSK	1@1	23.82	23.32	0.2148
25	15	30	380000	1900	DFT-s-OFDM 16 QAM	1@1	23.81	23.31	0.2143

Frequency Stability

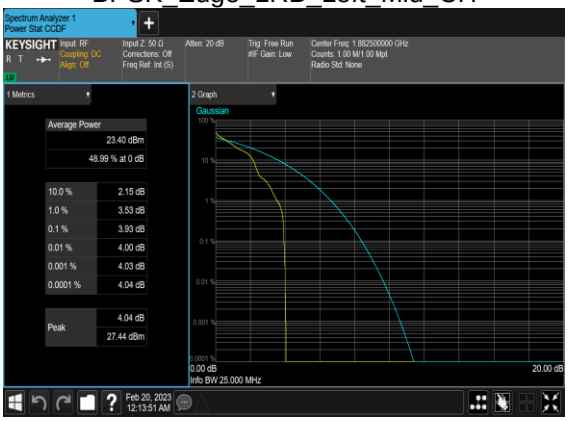
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0023	**PASS**	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0014	**PASS**	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0012	**PASS**	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0016	**PASS**	-30℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0028	**PASS**	-20℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0015	**PASS**	-10℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0027	**PASS**	0℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0033	**PASS**	10℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0032	**PASS**	20℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0024	**PASS**	30℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0013	**PASS**	40℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0019	**PASS**	50℃

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	100@0	4.1	13	**PASS**
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@0	3.93	13	**PASS**
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	5.37	13	**PASS**
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	5.46	13	**PASS**

N25(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N25(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



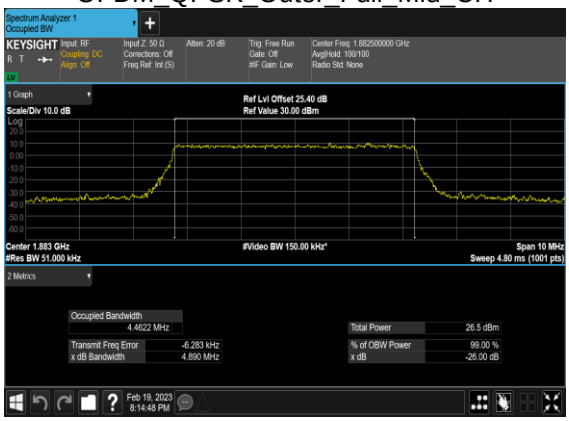
N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

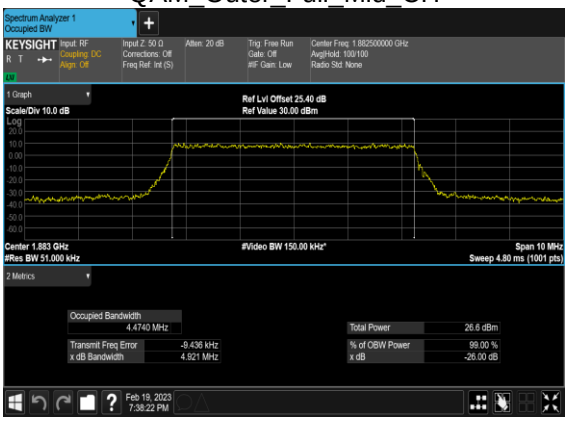
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
25	15	5	376500	1882.5	CP-OFDM QPSK	25@0	4.4622	4.89
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.474	4.921
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4622	4.938
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4743	4.879
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.2847	9.911
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.2857	9.867
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2577	9.82
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.3106	9.81
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.082	14.74
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.111	14.85
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.073	14.74
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.074	14.74
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.928	19.72
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.916	19.68
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.934	20.1
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.926	19.73
25	15	25	376500	1882.5	CP-OFDM QPSK	133@0	23.697	24.57
25	15	25	376500	1882.5	CP-OFDM 16 QAM	133@0	23.738	24.64
25	15	25	376500	1882.5	CP-OFDM 64 QAM	133@0	23.733	24.52
25	15	25	376500	1882.5	CP-OFDM 256 QAM	133@0	23.685	24.59
25	15	30	376500	1882.5	CP-OFDM QPSK	160@0	28.517	29.52
25	15	30	376500	1882.5	CP-OFDM 16 QAM	160@0	28.509	29.54
25	15	30	376500	1882.5	CP-OFDM 64 QAM	160@0	28.513	29.53
25	15	30	376500	1882.5	CP-OFDM 256 QAM	160@0	28.539	29.58
25	15	40	376500	1882.5	CP-OFDM QPSK	216@0	38.594	39.91
25	15	40	376500	1882.5	CP-OFDM 16 QAM	216@0	38.605	39.87
25	15	40	376500	1882.5	CP-OFDM 64 QAM	216@0	38.591	39.83
25	15	40	376500	1882.5	CP-OFDM 256 QAM	216@0	38.553	39.84

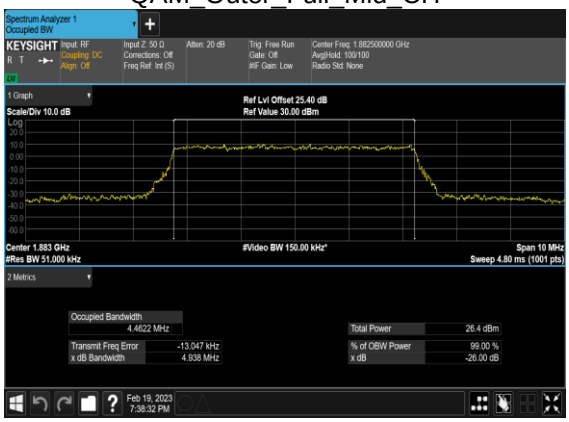
N25(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



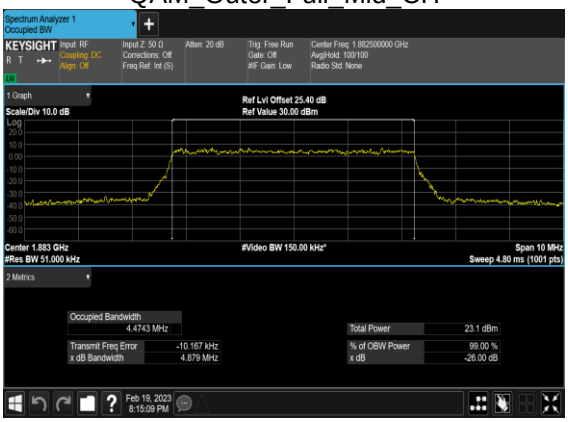
N25(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



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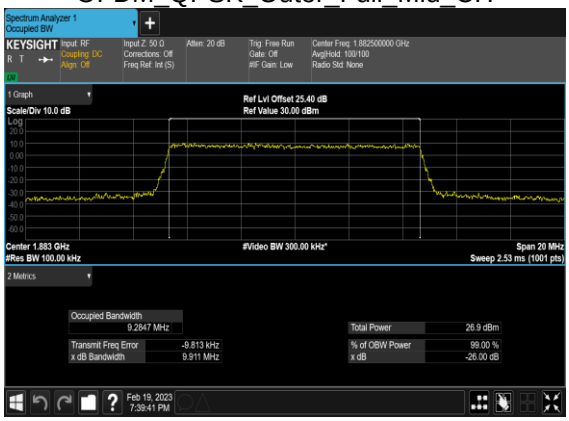

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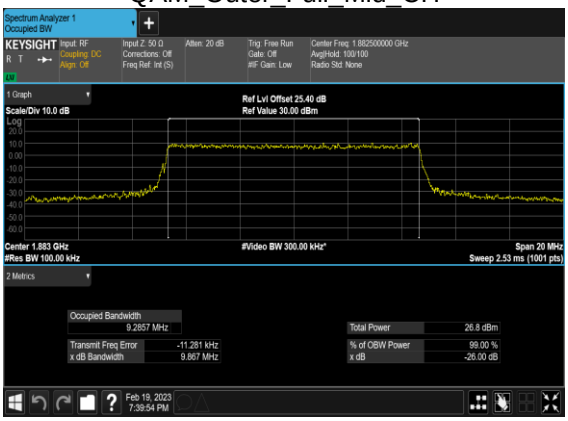

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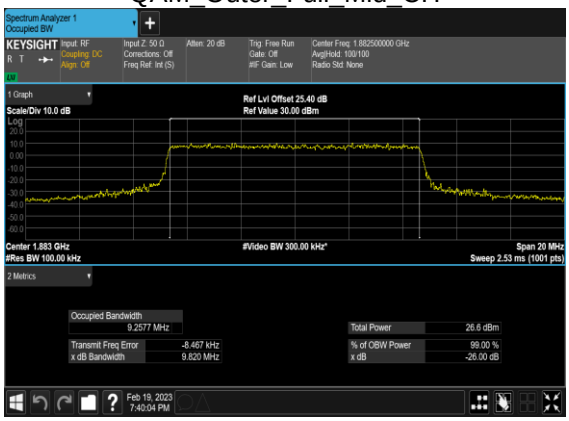
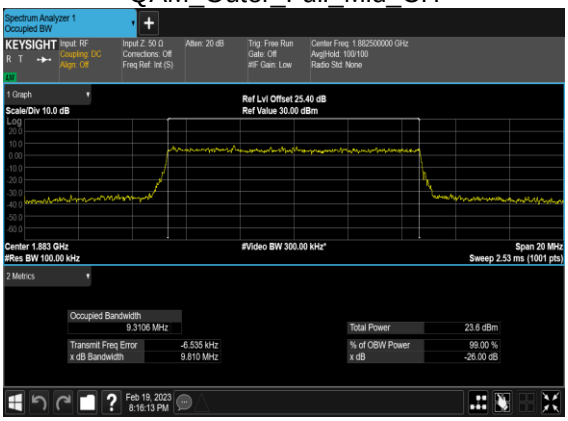


N25(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



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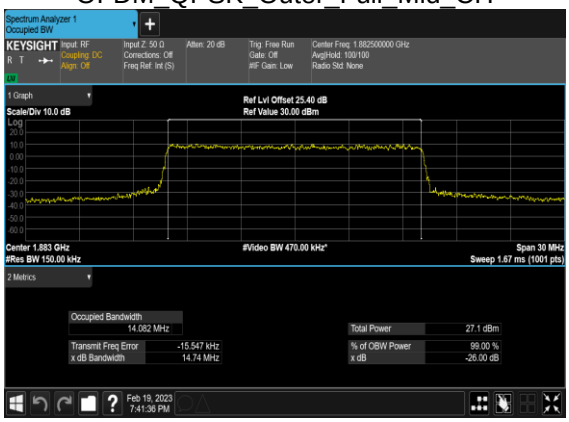
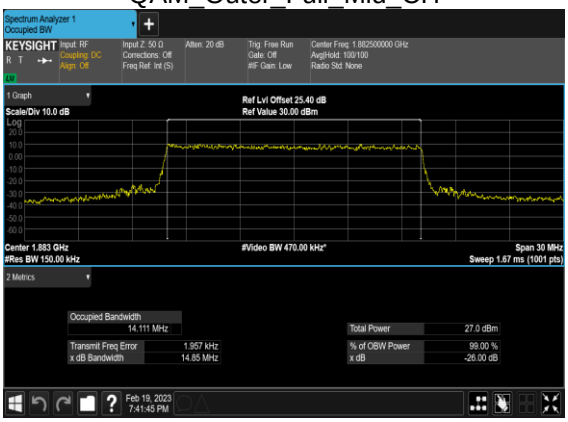
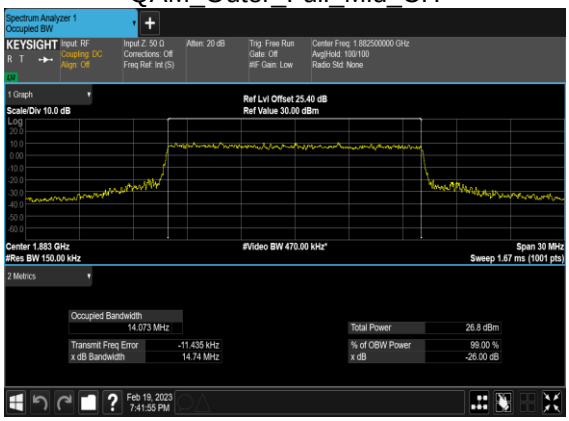


N25(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



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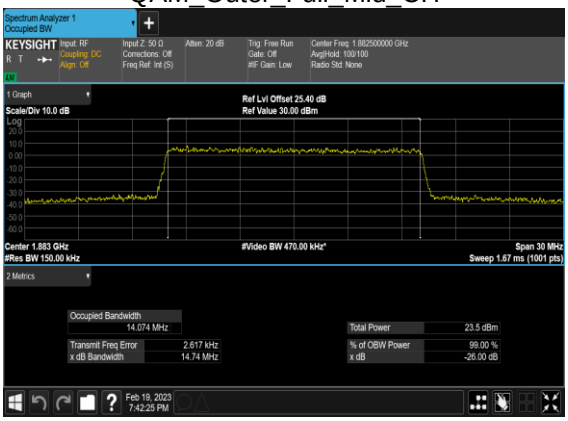
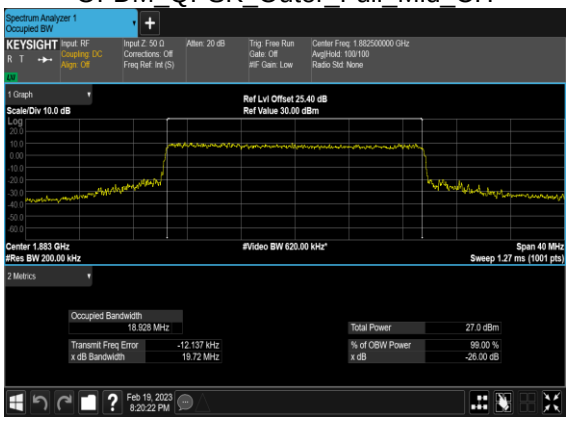
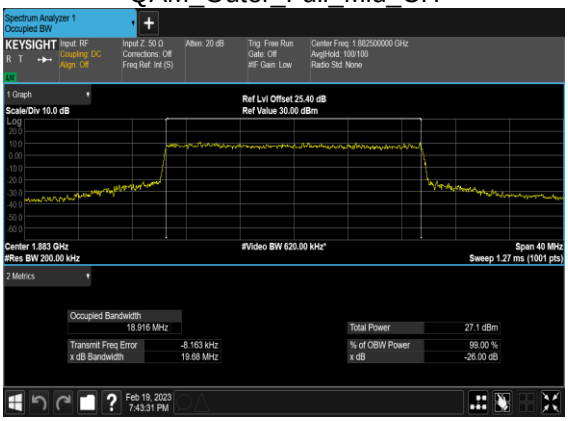


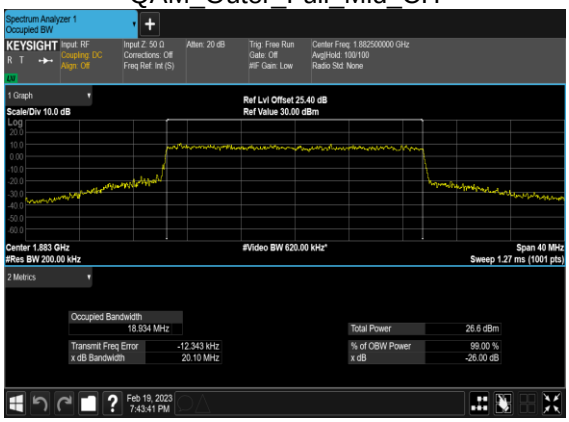
N25(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



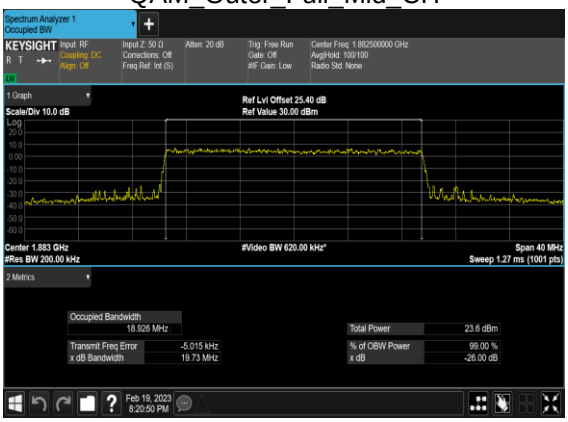
N25(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



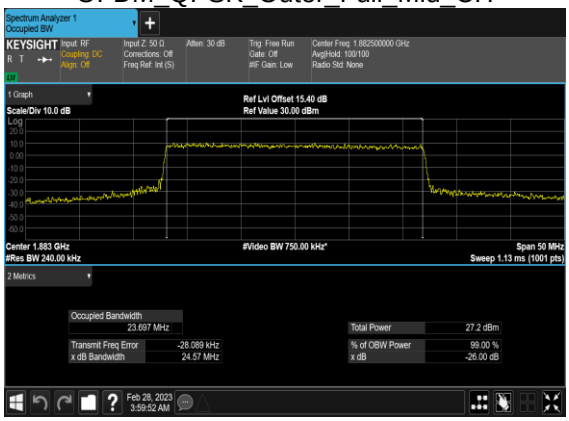
N25(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



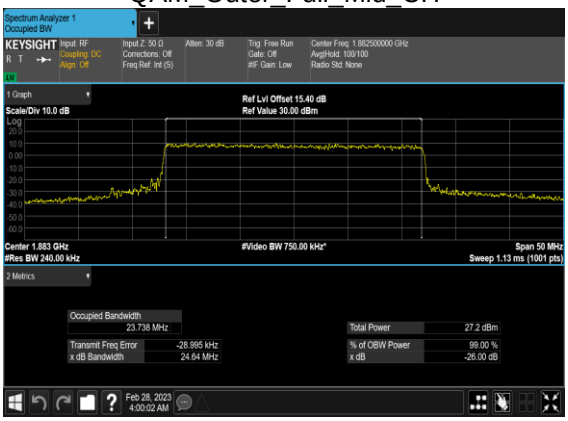
N25(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



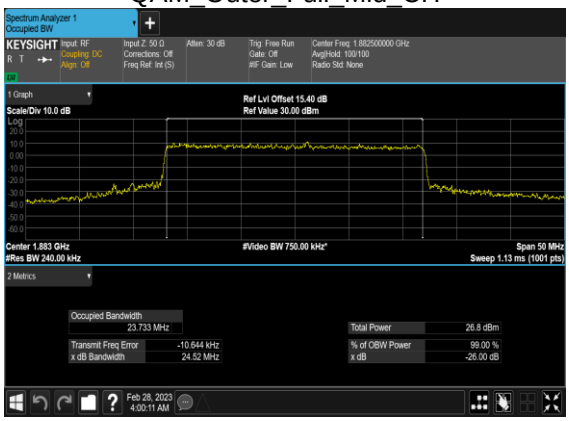
N25(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



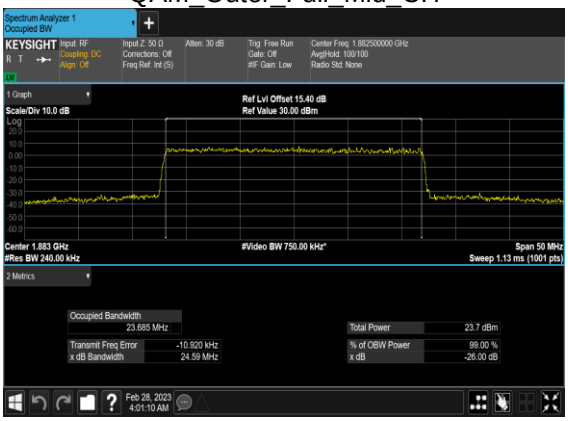
N25(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



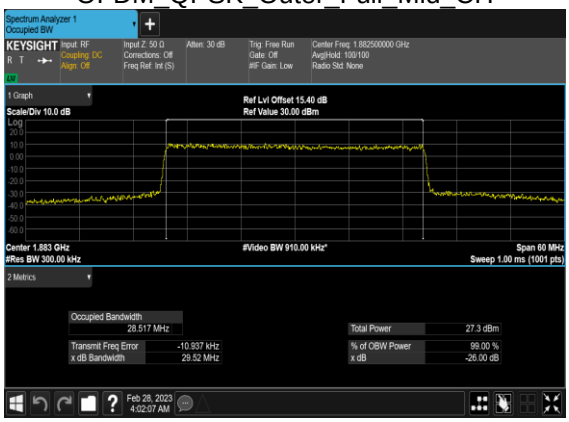
N25(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N25(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N25(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



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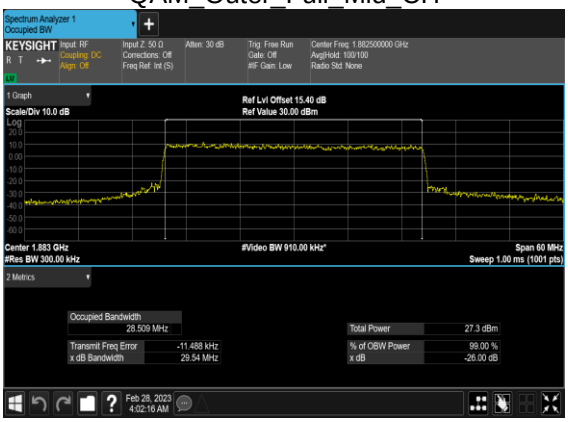

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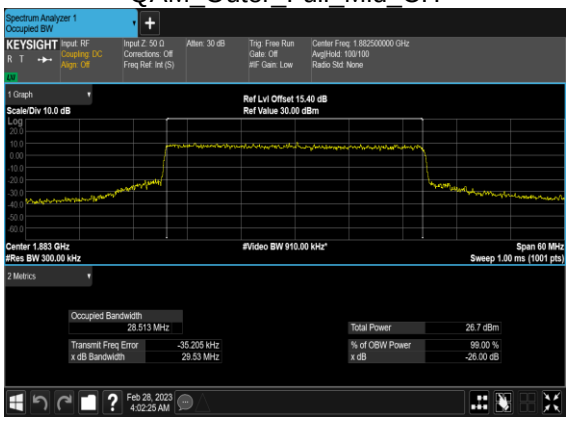

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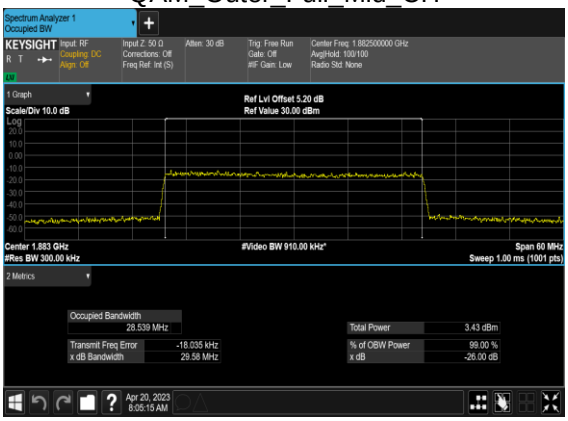
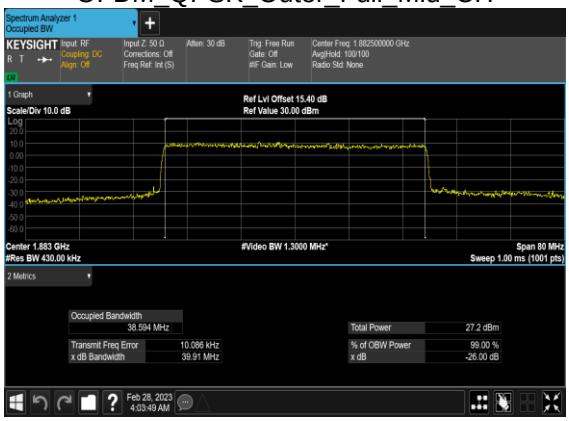
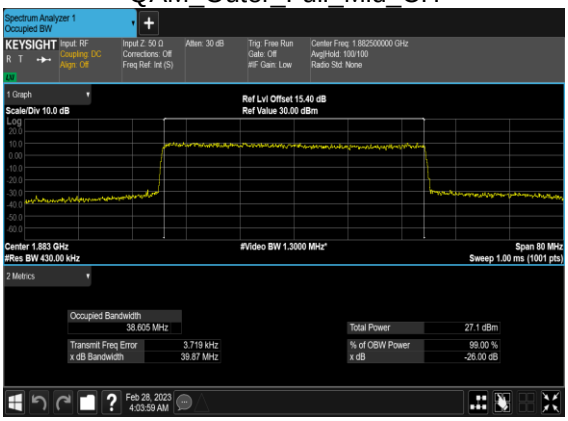


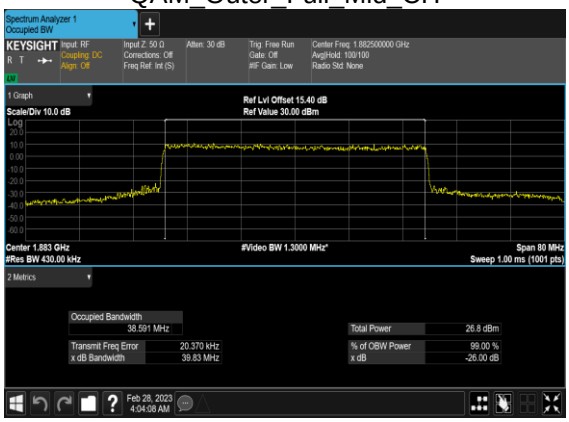
N25(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



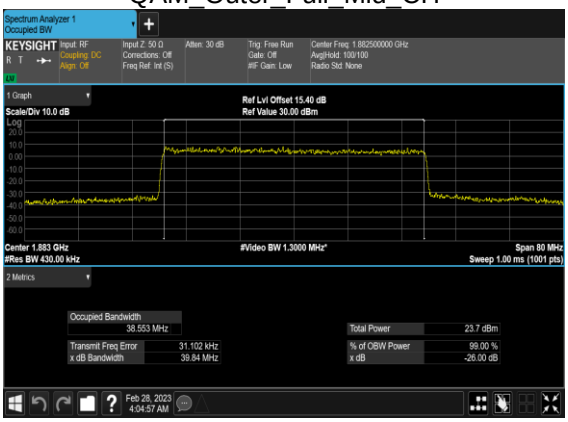
N25(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

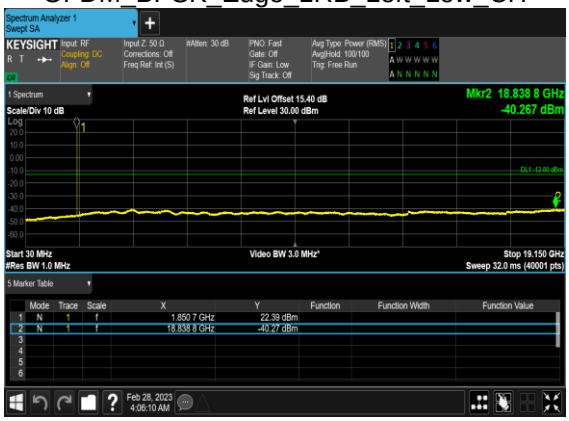


Conducted Spurious Emissions

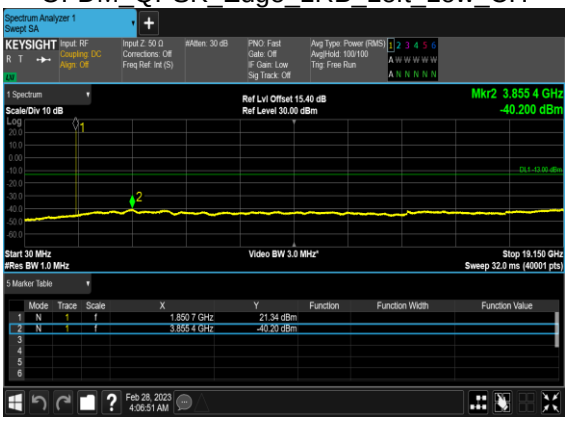
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	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**

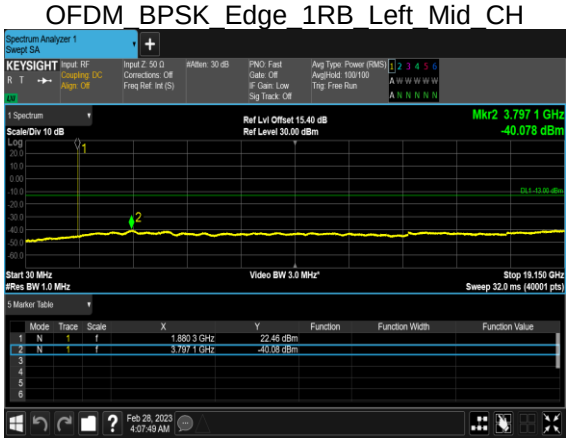
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



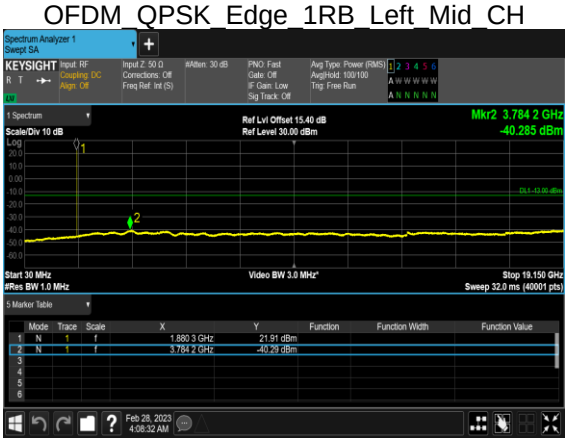
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



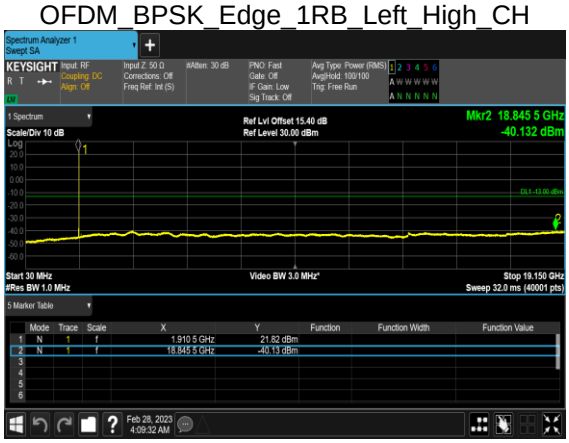
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



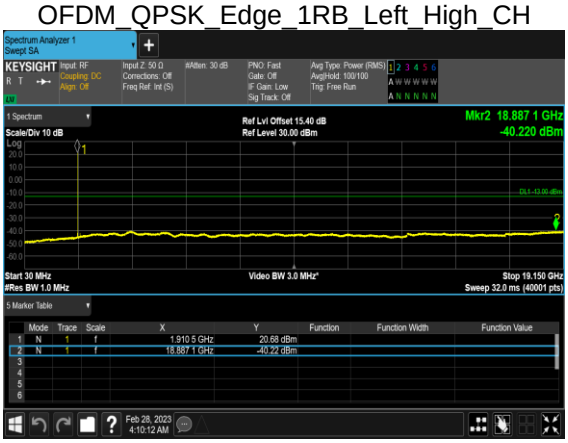
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



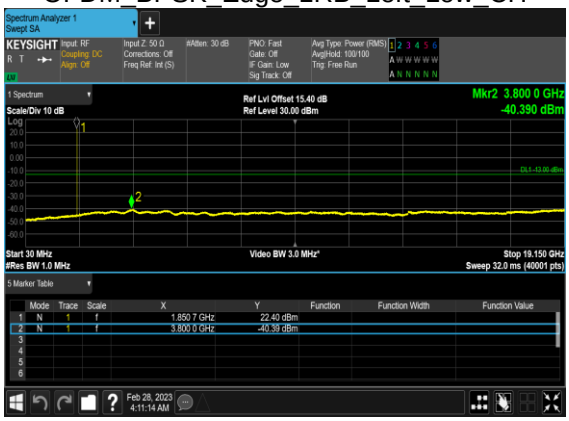
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



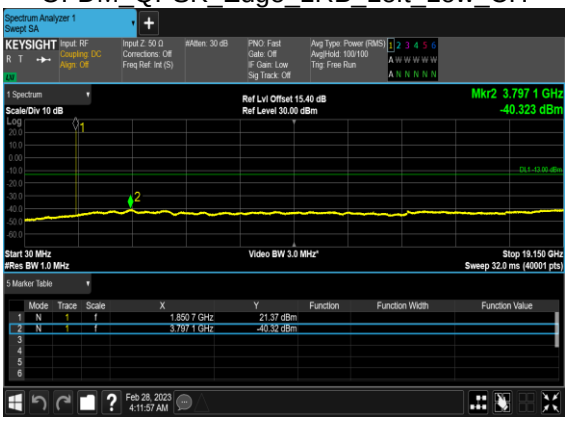
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



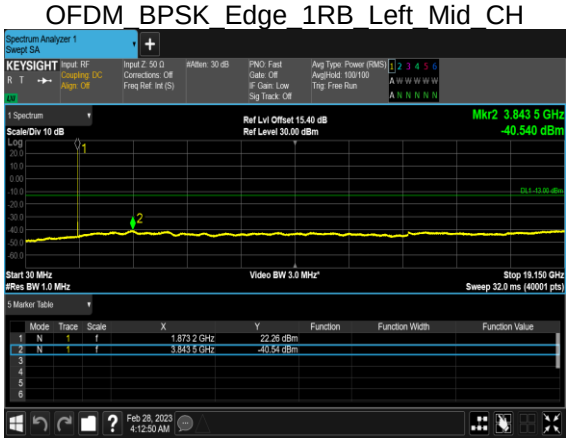
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



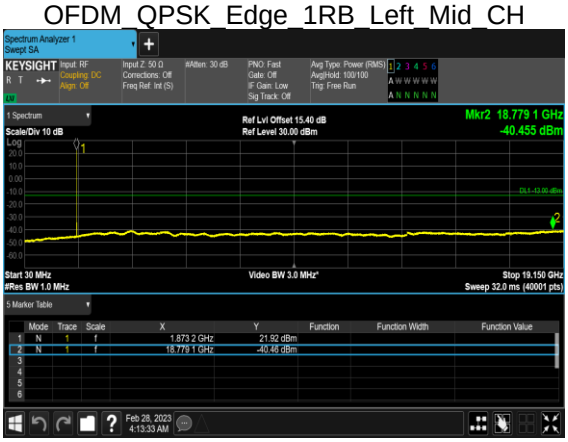
N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



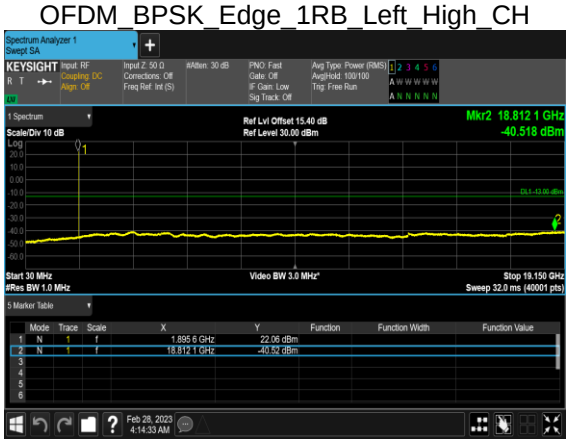
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



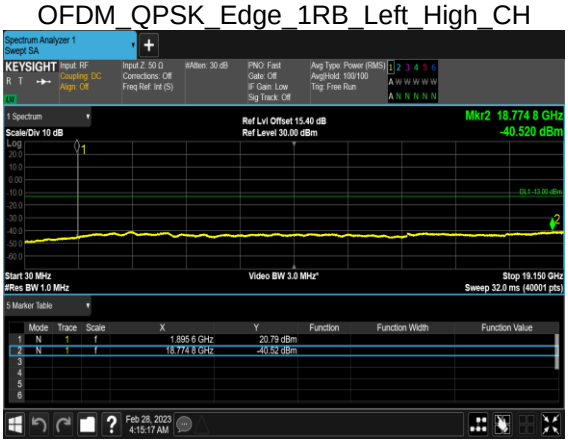
N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



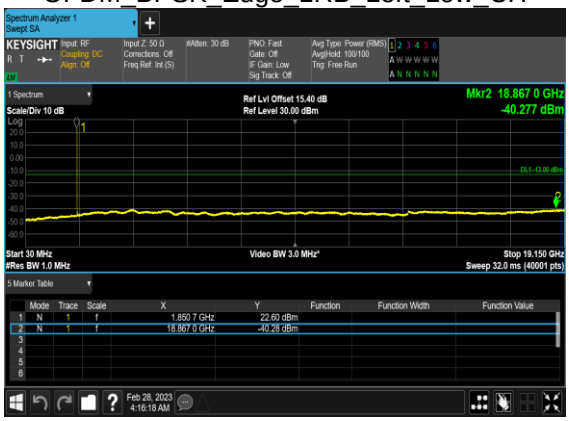
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



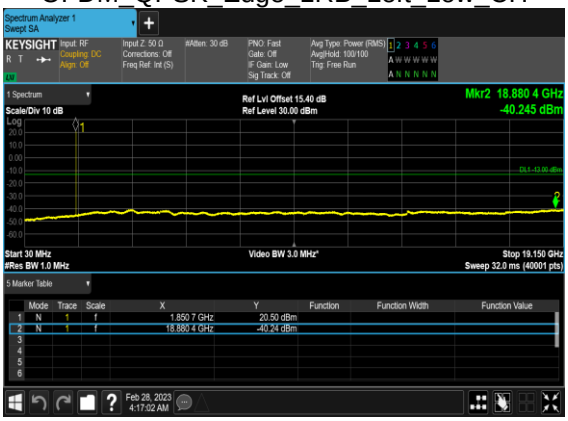
N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



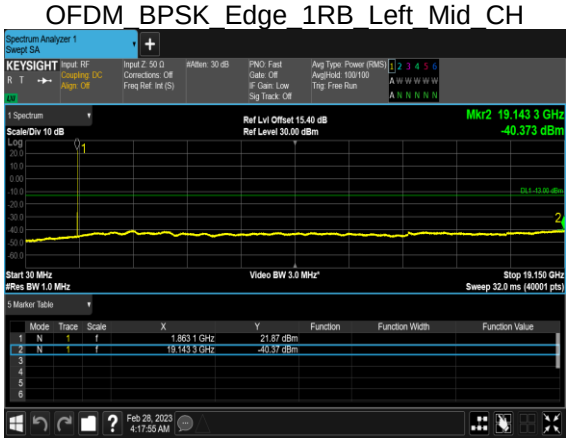
N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



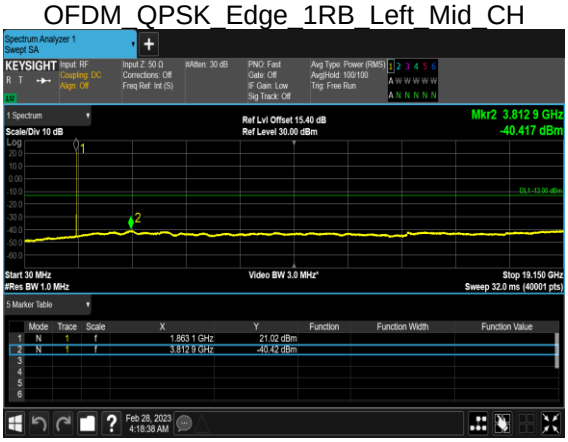
N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



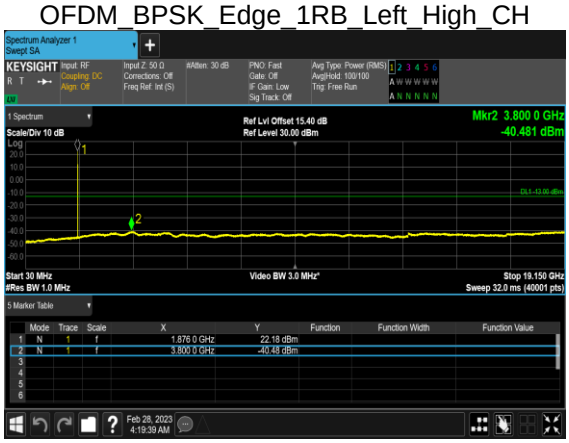
N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



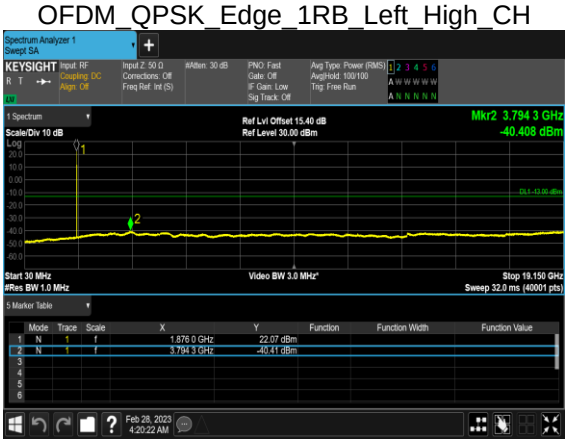
N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



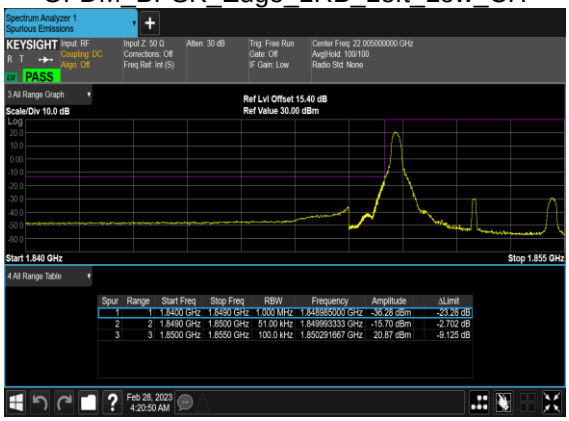
N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



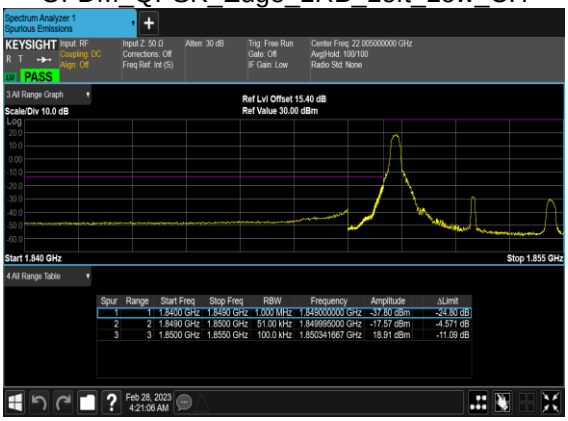
Conducted Band Edge

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**

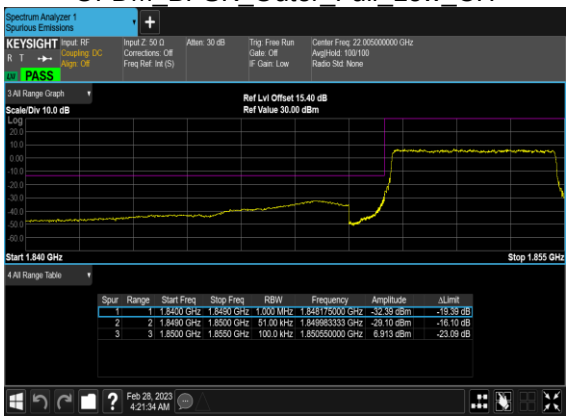
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



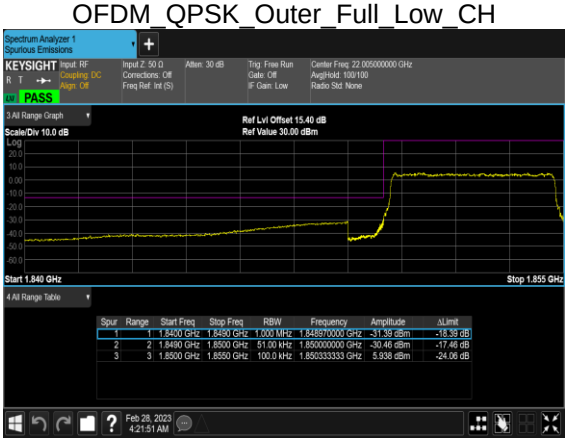
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



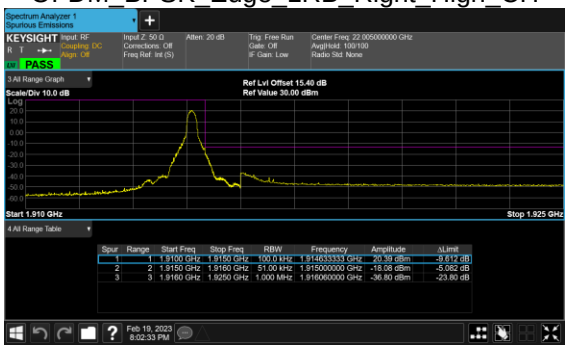
N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



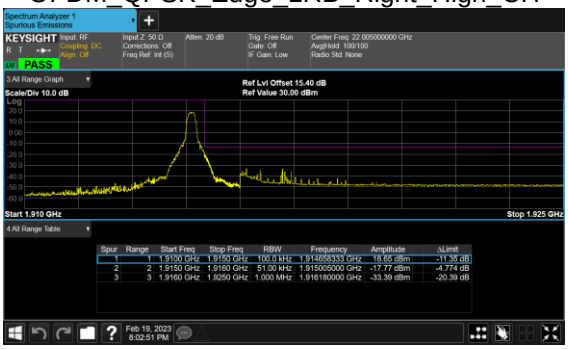
N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



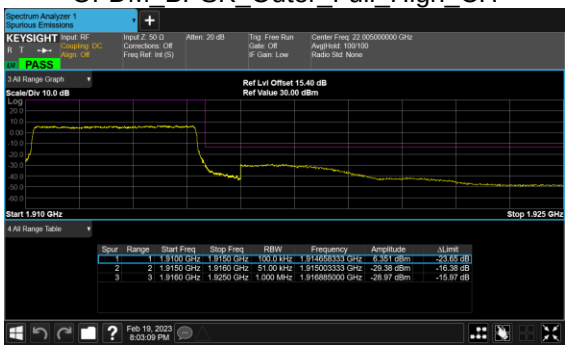
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



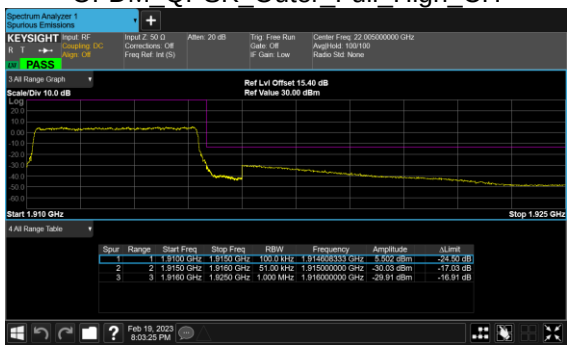
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



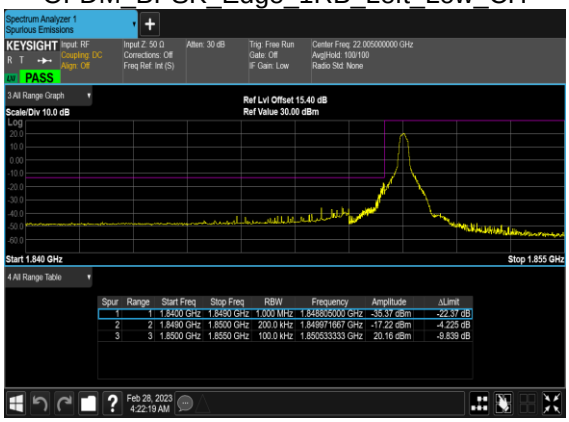
N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



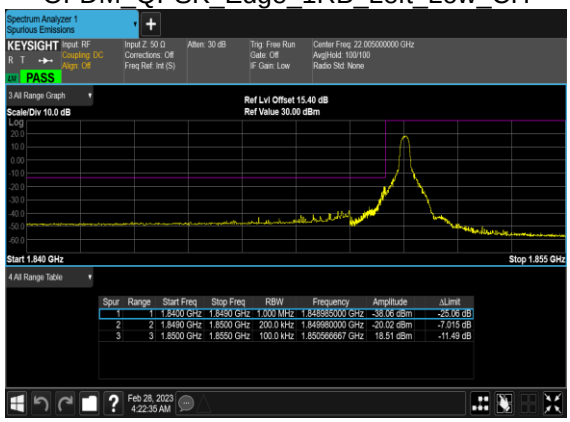
N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



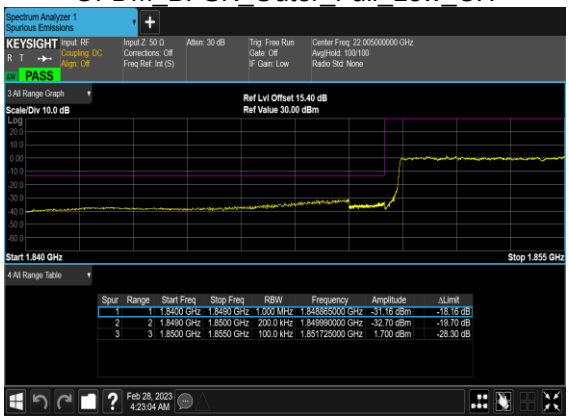
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



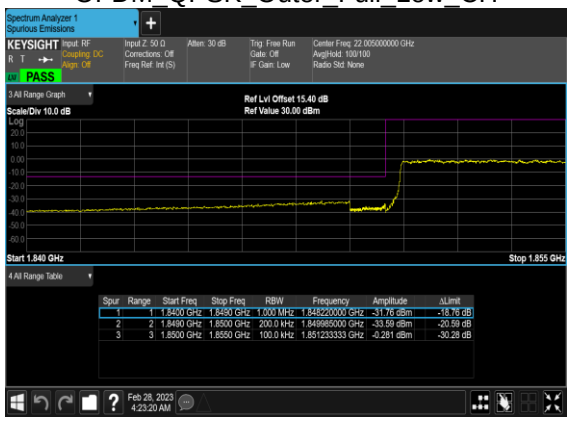
N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



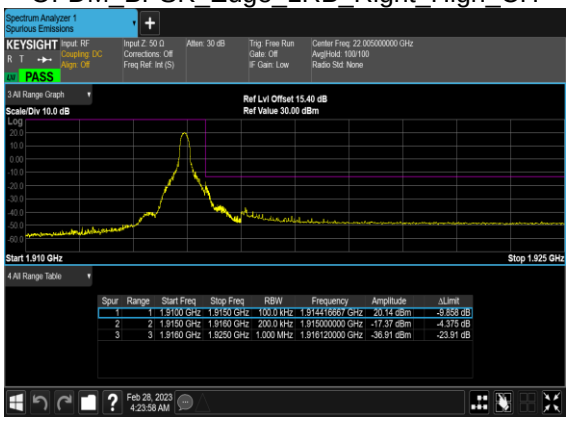
N25(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



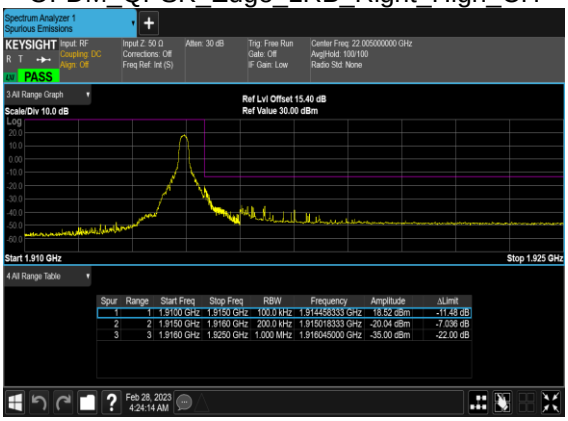
N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



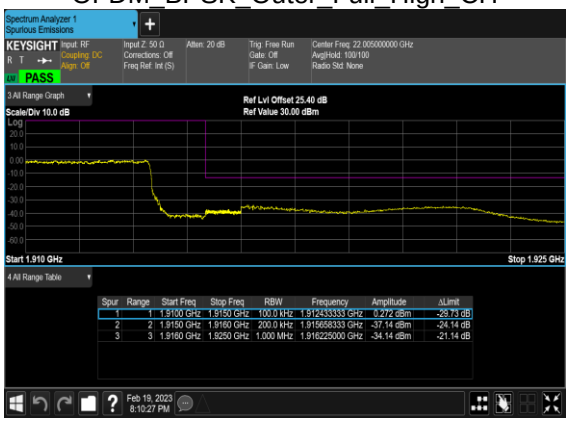
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



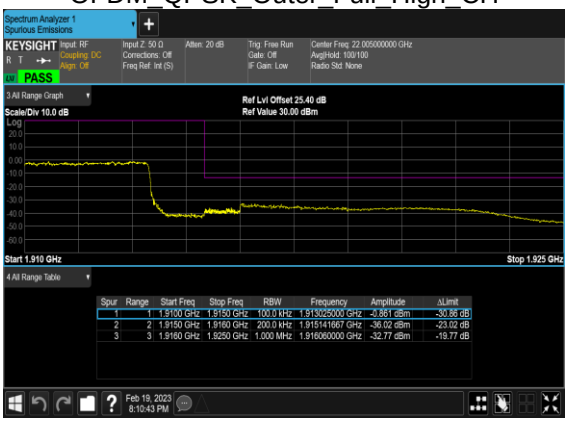
N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



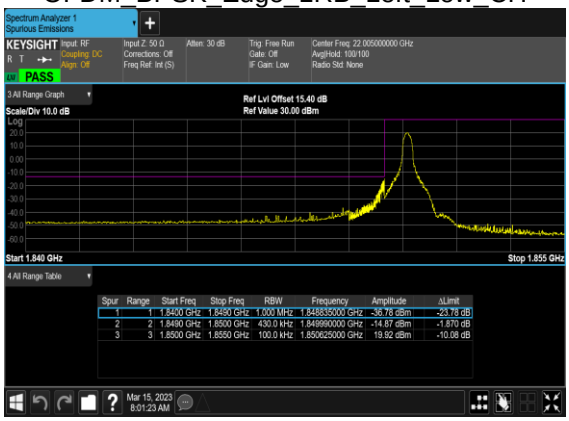
N25(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



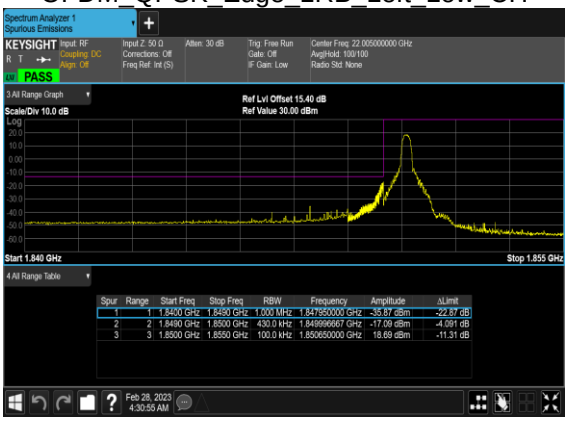
N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



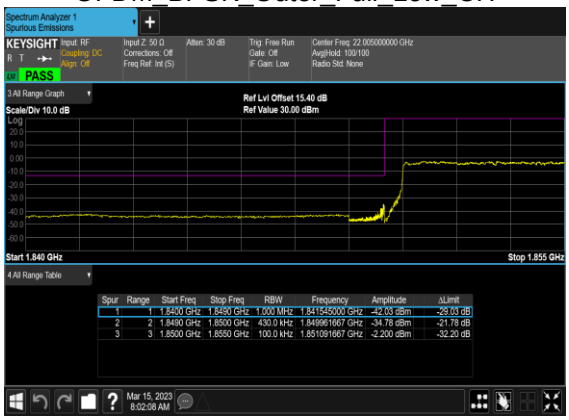
N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



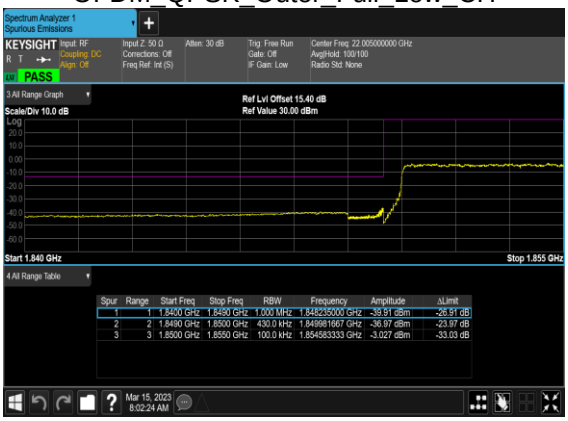
N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



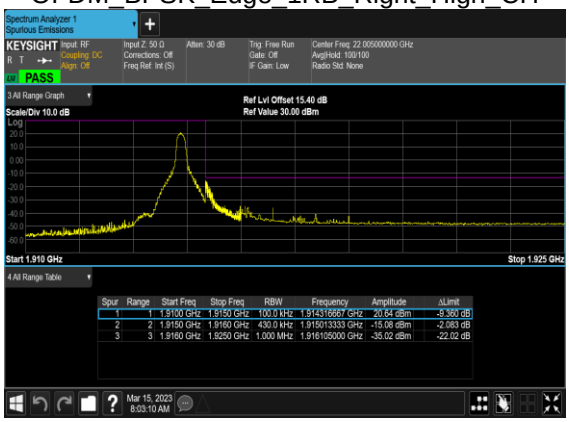
N25(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



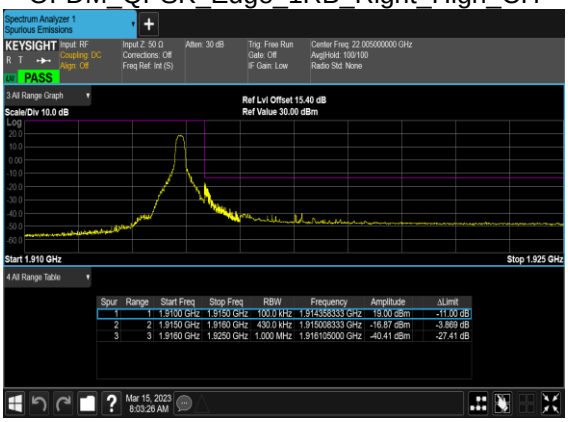
N25(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



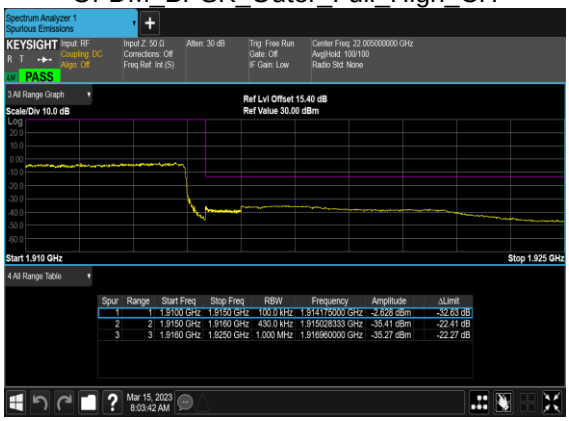
N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



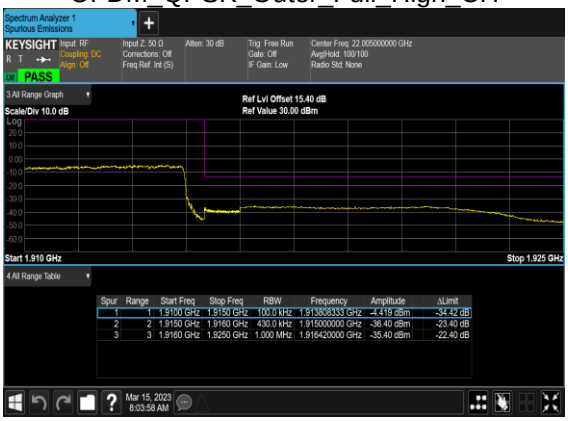
N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N25(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N25(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.02.011001

FR1 N25(ANT2)-other PA

LTE Band: 48, LTE BW: 10M, LTE ARFCN: Mid

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
25	15	20	376500	1882.5	DFT-s-OFDM QPS	100@0	0.0012	**PASS**	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0025	**PASS**	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0021	**PASS**	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0027	**PASS**	-30℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0011	**PASS**	-20℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0019	**PASS**	-10℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0023	**PASS**	0℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0024	**PASS**	10℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0011	**PASS**	20℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0018	**PASS**	30℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0009	**PASS**	40℃
25	15	20	376500	1882.5	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
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	216@0	6.83	13	**PASS**
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@0	3.67	13	**PASS**
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	216@0	7.18	13	**PASS**
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@0	5.51	13	**PASS**

B48_N25(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

B48_N25(40M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

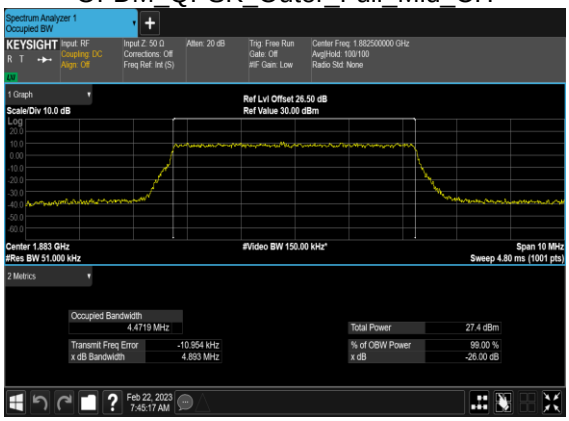
B48_N25(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

B48_N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

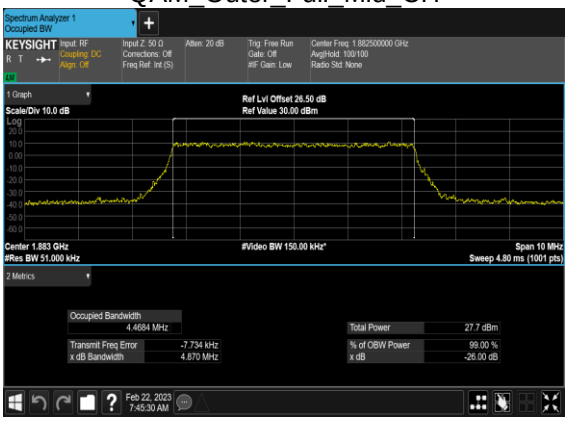
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
25	15	5	376500	1882.5	CP-OFDM QPSK	25@0	4.4719	4.893
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.4684	4.87
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4723	4.935
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4662	4.892
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.2731	9.912
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.2776	9.878
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2751	9.815
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.287	9.898
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.101	14.83
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.078	14.86
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.122	14.8
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.102	14.82
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.91	19.7
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.919	19.71
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.974	20.51
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.943	19.67
25	15	25	376500	1882.5	CP-OFDM QPSK	133@0	23.764	24.61
25	15	25	376500	1882.5	CP-OFDM 16 QAM	133@0	23.724	24.73
25	15	25	376500	1882.5	CP-OFDM 64 QAM	133@0	23.706	24.63
25	15	25	376500	1882.5	CP-OFDM 256 QAM	133@0	23.789	24.65
25	15	30	376500	1882.5	CP-OFDM QPSK	160@0	28.568	29.66
25	15	30	376500	1882.5	CP-OFDM 16 QAM	160@0	28.651	29.56
25	15	30	376500	1882.5	CP-OFDM 64 QAM	160@0	28.523	29.55
25	15	30	376500	1882.5	CP-OFDM 256 QAM	160@0	28.508	29.61
25	15	40	376500	1882.5	CP-OFDM QPSK	216@0	38.482	39.84
25	15	40	376500	1882.5	CP-OFDM 16 QAM	216@0	38.545	39.83
25	15	40	376500	1882.5	CP-OFDM 64 QAM	216@0	38.506	39.84
25	15	40	376500	1882.5	CP-OFDM 256 QAM	216@0	38.509	39.84

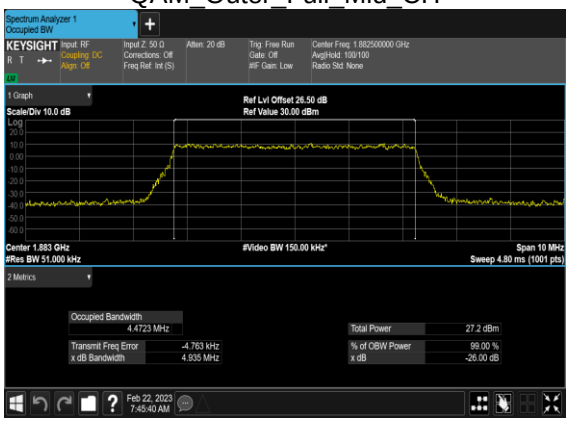
B48_N25(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



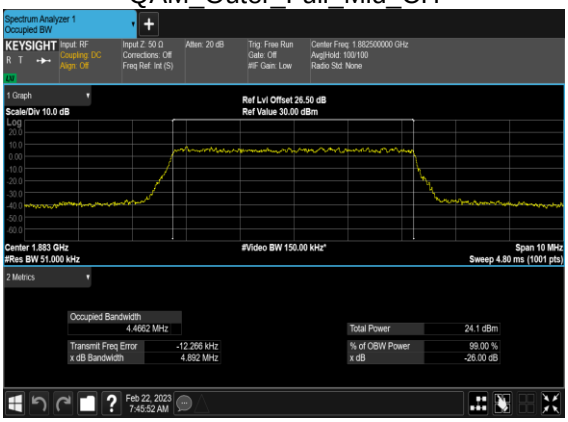
B48_N25(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



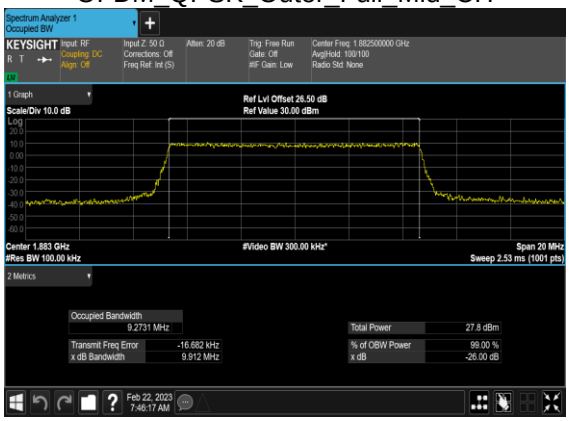
B48_N25(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B48_N25(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



B48_N25(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



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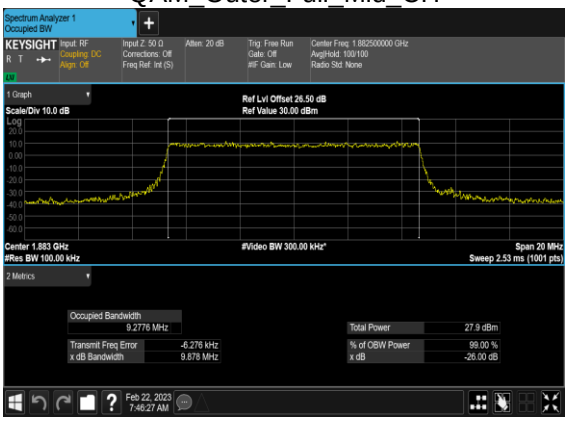

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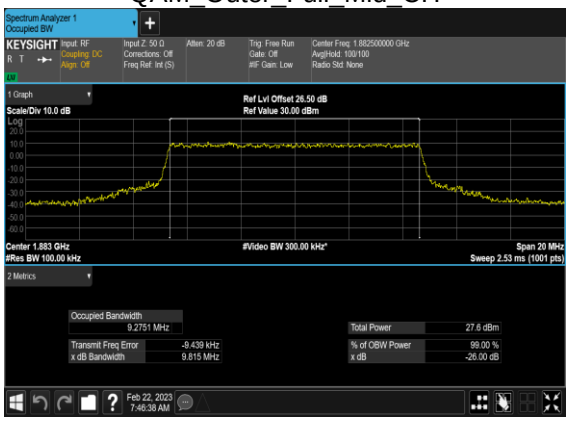

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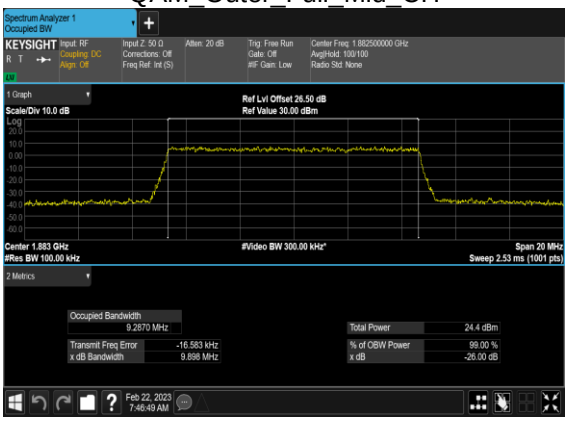
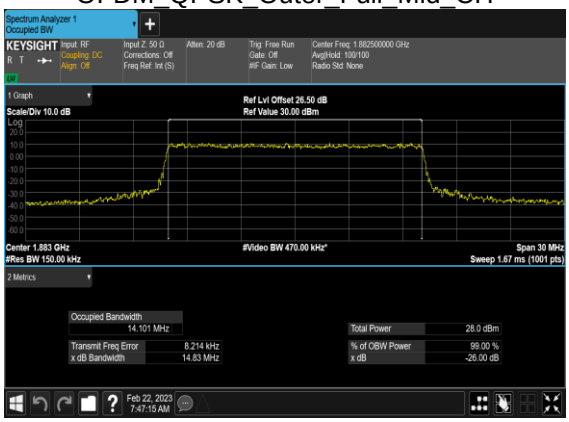
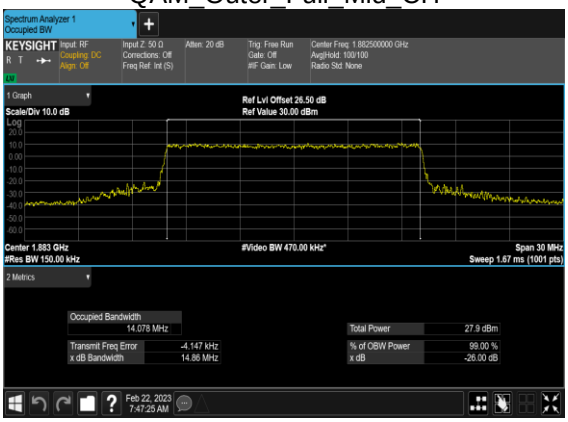


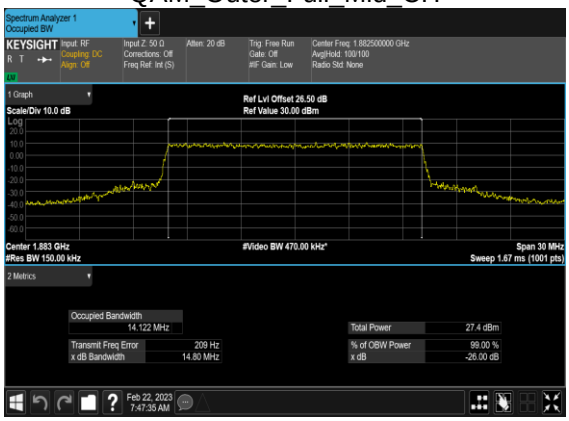
B48_N25(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



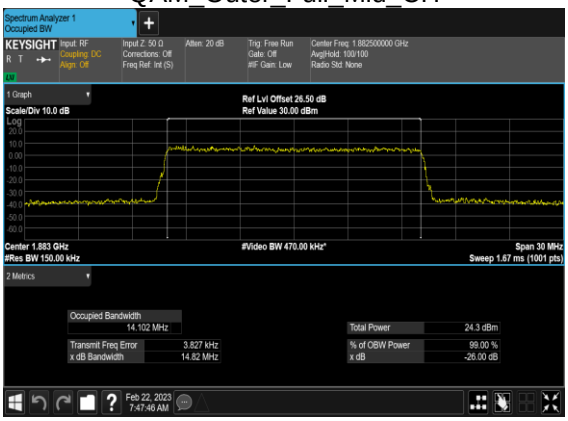
B48_N25(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



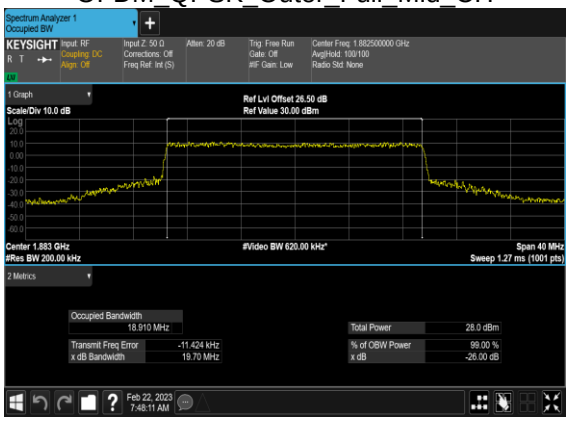
B48_N25(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



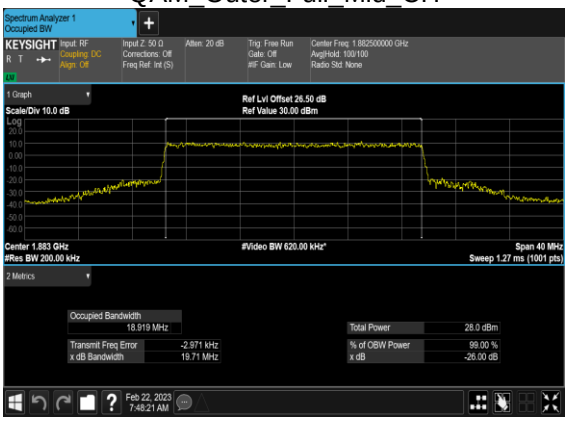
B48_N25(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



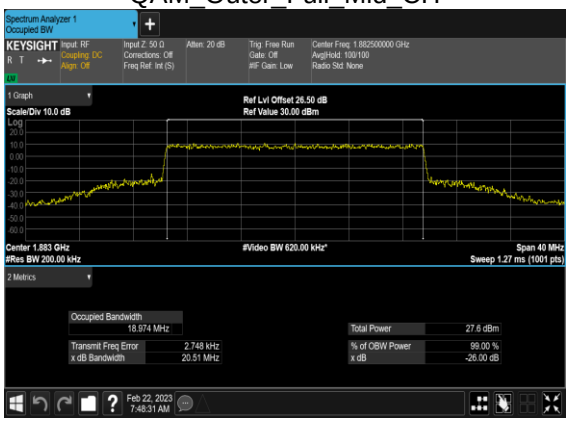
B48_N25(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



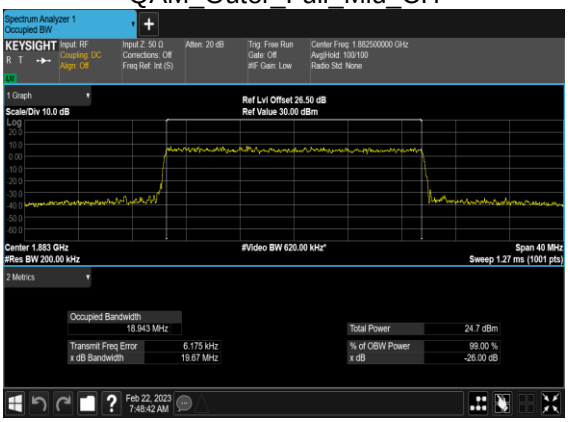
B48_N25(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



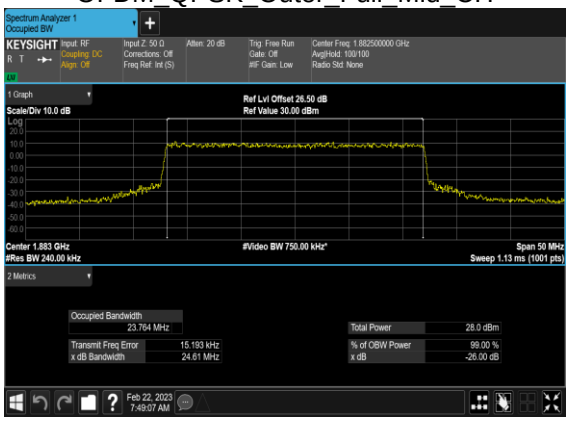
B48_N25(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



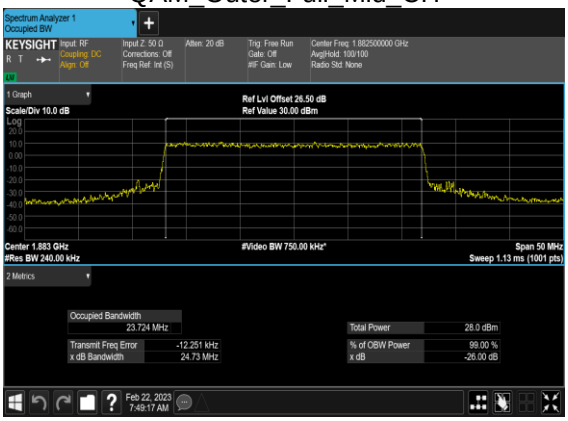
B48_N25(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



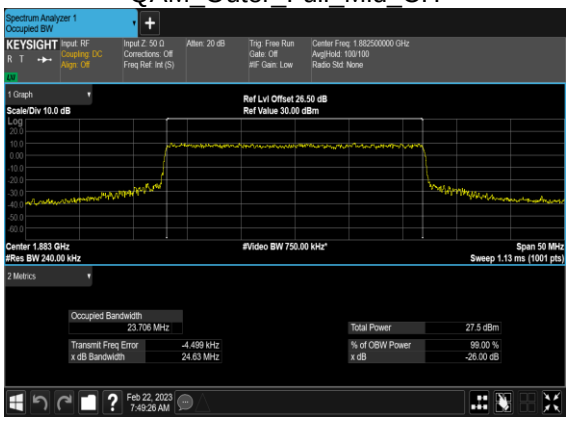
B48_N25(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



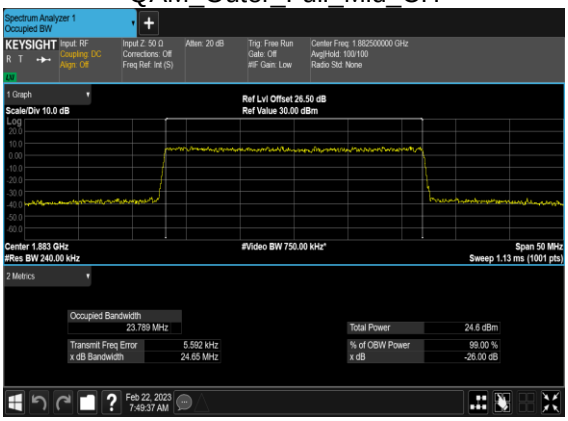
B48_N25(25M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



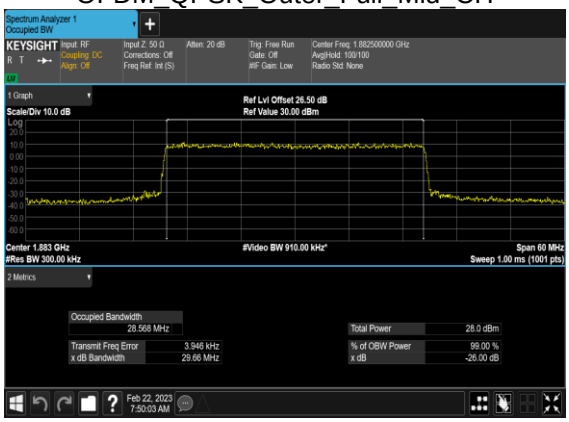
B48_N25(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



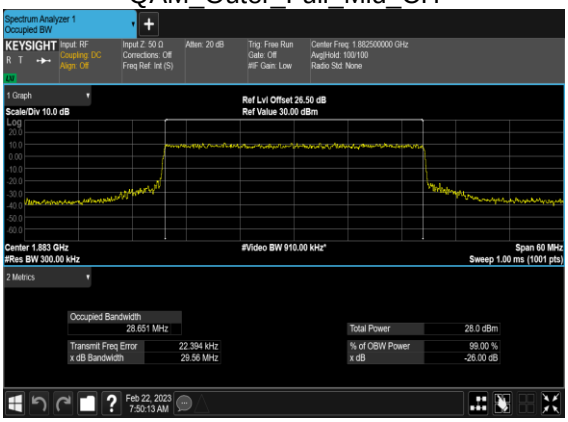
B48_N25(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



B48_N25(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



B48_N25(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



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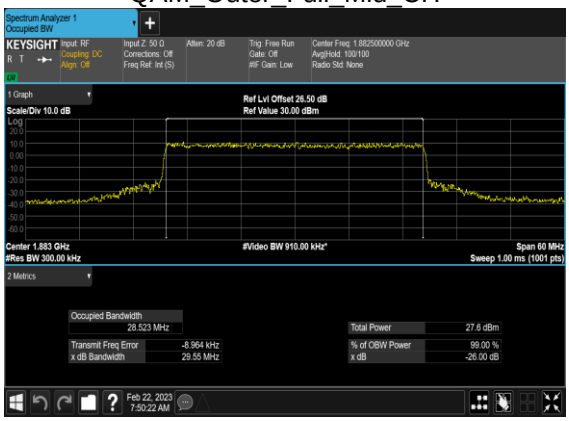
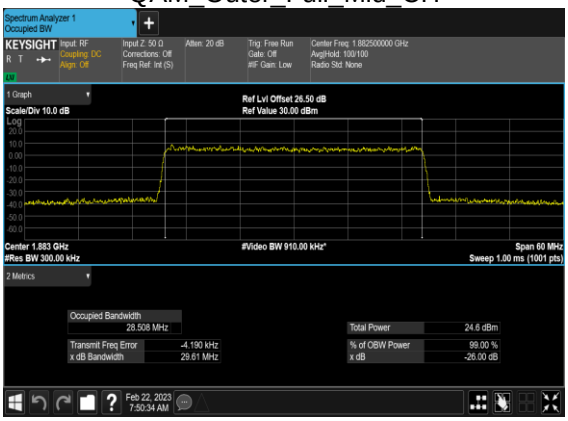
B48_N25(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH