



Software Version: 23.06.1602

FR1 N25 MIMO-ANT(1+8)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=1.16dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT1 Power (dBm)	ANT8 Power (dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	22.81	23.18	26.01	27.17	0.5212
25	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.01	22.44	25.24	26.4	0.4365
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.06	23.32	26.20	27.36	0.5445
25	15	5	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.15	22.48	25.33	26.49	0.4457
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@1	23.07	23.41	26.25	27.41	0.5508
25	15	5	382500	1912.5	DFT-s-OFDM 16 QAM	1@1	22.24	22.49	25.38	26.54	0.4508
25	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	22.91	23.4	26.17	27.33	0.5408
25	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	22.01	22.5	25.27	26.43	0.4395
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.34	23.52	26.44	27.6	0.5754
25	15	10	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.41	22.64	25.54	26.7	0.4677
25	15	10	382000	1910	DFT-s-OFDM QPSK	1@1	23.13	23.36	26.26	27.42	0.5521
25	15	10	382000	1910	DFT-s-OFDM 16 QAM	1@1	22.21	22.45	25.34	26.5	0.4467
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.06	23.49	26.29	27.45	0.5559
25	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	22.16	22.65	25.42	26.58	0.4550
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.04	23.38	26.22	27.38	0.5470
25	15	15	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.26	22.63	25.46	26.62	0.4592
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	1@1	22.94	23.31	26.14	27.3	0.5370
25	15	15	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.12	22.48	25.31	26.47	0.4436
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	22.92	23.26	26.10	27.26	0.5321
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	22.07	22.46	25.28	26.44	0.4406
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.21	23.48	26.36	27.52	0.5649
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.09	22.43	25.27	26.43	0.4395
25	15	20	381000	1905	DFT-s-OFDM QPSK	1@1	23.21	23.41	26.32	27.48	0.5598
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@1	22.12	22.48	25.31	26.47	0.4436
25	15	25	372500	1862.5	DFT-s-OFDM QPSK	1@1	22.96	23.4	26.20	27.36	0.5445
25	15	25	372500	1862.5	DFT-s-OFDM 16 QAM	1@1	22.24	22.63	25.45	26.61	0.4581
25	15	25	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.08	23.6	26.36	27.52	0.5649
25	15	25	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.25	22.74	25.51	26.67	0.4645
25	15	25	380500	1902.5	DFT-s-OFDM QPSK	1@1	23.2	23.48	26.35	27.51	0.5636
25	15	25	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	22.53	22.74	25.65	26.81	0.4797
25	15	30	373000	1865	DFT-s-OFDM QPSK	1@1	23.21	23.64	26.44	27.6	0.5754
25	15	30	373000	1865	DFT-s-OFDM 16 QAM	1@1	22.03	22.48	25.27	26.43	0.4395
25	15	30	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.14	23.6	26.39	27.55	0.5689
25	15	30	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.13	22.59	25.38	26.54	0.4508



25	15	30	380000	1900	DFT-s-OFDM QPSK	1@1	23.44	23.74	26.60	27.76	0.5970
25	15	30	380000	1900	DFT-s-OFDM 16 QAM	1@1	22.46	22.66	25.57	26.73	0.4710
25	15	35	373500	1867.5	DFT-s-OFDM QPSK	1@1	22.92	23.49	26.22	27.38	0.5470
25	15	35	373500	1867.5	DFT-s-OFDM 16 QAM	1@1	22	22.57	25.30	26.46	0.4426
25	15	35	376500	1882.5	DFT-s-OFDM QPSK	1@1	22.96	23.48	26.24	27.4	0.5495
25	15	35	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.19	22.77	25.50	26.66	0.4634
25	15	35	379500	1897.5	DFT-s-OFDM QPSK	1@1	23.22	23.53	26.39	27.55	0.5689
25	15	35	379500	1897.5	DFT-s-OFDM 16 QAM	1@1	22.18	22.65	25.43	26.59	0.4560
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	108@54	23.69	24.1	26.91	28.07	0.6412
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	1@1	23.19	23.78	26.51	27.67	0.5848
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	1@214	23.7	23.92	26.82	27.98	0.6281
25	15	40	374000	1870	DFT-s-OFDM QPSK	108@54	23.07	23.4	26.25	27.41	0.5508
25	15	40	374000	1870	DFT-s-OFDM QPSK	1@1	23.1	23.61	26.37	27.53	0.5662
25	15	40	374000	1870	DFT-s-OFDM QPSK	1@214	23.08	23.23	26.17	27.33	0.5408
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	108@54	22.01	22.45	25.25	26.41	0.4375
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	1@1	22.04	22.51	25.29	26.45	0.4416
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	1@214	22.35	22.47	25.42	26.58	0.4550
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	108@54	20.55	20.95	23.76	24.92	0.3105
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	1@1	20.39	20.96	23.69	24.85	0.3055
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	1@214	20.95	21.02	24.00	25.16	0.3281
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	108@54	18.03	18.38	21.22	22.38	0.1730
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	1@1	17.67	18.22	20.96	22.12	0.1629
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	1@214	17.6	17.96	20.79	21.95	0.1567
25	15	40	374000	1870	CP-OFDM QPSK	108@54	21.59	21.82	24.72	25.88	0.3873
25	15	40	374000	1870	CP-OFDM QPSK	1@1	21.5	22.11	24.83	25.99	0.3972
25	15	40	374000	1870	CP-OFDM QPSK	1@214	21.82	22.17	25.01	26.17	0.4140
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	108@54	23.72	24.01	26.88	28.04	0.6368
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.41	23.89	26.67	27.83	0.6067
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@214	23.63	23.85	26.75	27.91	0.6180
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	108@54	23.15	23.43	26.30	27.46	0.5572
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@1	22.96	23.49	26.24	27.4	0.5495
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@214	23.2	23.47	26.35	27.51	0.5636
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	108@54	22.17	22.48	25.34	26.5	0.4467
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.11	22.48	25.31	26.47	0.4436
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	1@214	22.38	22.65	25.53	26.69	0.4667
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	108@54	20.72	21.05	23.90	25.06	0.3206
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	1@1	20.68	21.12	23.92	25.08	0.3221
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	1@214	20.83	21.06	23.96	25.12	0.3251
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	108@54	18.16	18.43	21.31	22.47	0.1766
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	1@1	17.84	18.36	21.12	22.28	0.1690
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	1@214	17.58	17.84	20.72	21.88	0.1542
25	15	40	376500	1882.5	CP-OFDM QPSK	108@54	21.63	21.89	24.77	25.93	0.3917



25	15	40	376500	1882.5	CP-OFDM QPSK	1@1	21.77	22.33	25.07	26.23	0.4198
25	15	40	376500	1882.5	CP-OFDM QPSK	1@214	22.07	22.2	25.15	26.31	0.4276
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	108@54	23.96	24.18	27.08	28.24	0.6668
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	1@1	23.64	24.05	26.86	28.02	0.6339
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	1@214	23.55	23.58	26.58	27.74	0.5943
25	15	40	379000	1895	DFT-s-OFDM QPSK	108@54	23.34	23.59	26.48	27.64	0.5808
25	15	40	379000	1895	DFT-s-OFDM QPSK	1@1	23.31	23.6	26.47	27.63	0.5794
25	15	40	379000	1895	DFT-s-OFDM QPSK	1@214	23.25	23.43	26.35	27.51	0.5636
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	108@54	22.31	22.51	25.42	26.58	0.4550
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	1@1	22.2	22.6	25.41	26.57	0.4539
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	1@214	22.59	22.62	25.62	26.78	0.4764
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	108@54	20.85	21.06	23.97	25.13	0.3258
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	1@1	20.84	21.09	23.98	25.14	0.3266
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	1@214	21.09	21.03	24.07	25.23	0.3334
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	108@54	18.24	18.5	21.38	22.54	0.1795
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	1@1	18.19	18.47	21.34	22.5	0.1778
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	1@214	17.82	17.92	20.88	22.04	0.1600
25	15	40	379000	1895	CP-OFDM QPSK	108@54	21.71	21.91	24.82	25.98	0.3963
25	15	40	379000	1895	CP-OFDM QPSK	1@1	21.83	22.29	25.08	26.24	0.4207
25	15	40	379000	1895	CP-OFDM QPSK	1@214	21.95	22.09	25.03	26.19	0.4159



FR1 N25 MIMO-ANT(1+8)_ANT1

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	0.0037	PASS	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0061	PASS	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0024	PASS	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0032	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	0.0024	PASS	-10℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0034	PASS	0℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0040	PASS	10℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0037	PASS	20℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0033	PASS	30℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0044	PASS	40℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0049	PASS	50℃



Peak to Average Ratio

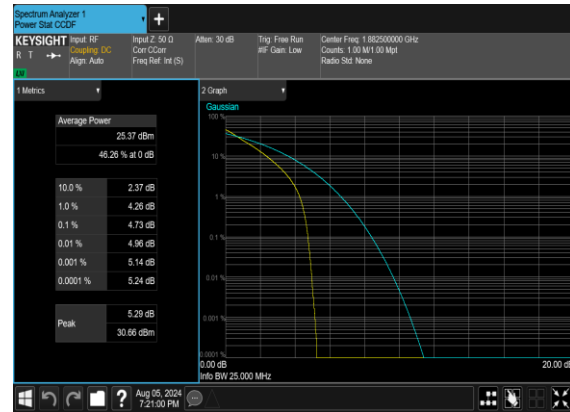
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	100@0	4.36	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	4.73	13	PASS



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



N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_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	4.4894	5.096
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.4526	4.889
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4603	5.011
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4705	5.058
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.2963	10.09
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.3058	9.936
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2783	9.964
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.281	9.888
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.095	14.79
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.124	14.92
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.08	14.85
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.106	14.81
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.912	19.79
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.941	19.73
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.908	19.98
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.914	19.85
25	15	25	376500	1882.5	CP-OFDM QPSK	133@0	23.794	24.91
25	15	25	376500	1882.5	CP-OFDM 16 QAM	133@0	23.774	24.87
25	15	25	376500	1882.5	CP-OFDM 64 QAM	133@0	23.744	24.83
25	15	25	376500	1882.5	CP-OFDM 256 QAM	133@0	23.796	24.8
25	15	30	376500	1882.5	CP-OFDM QPSK	160@0	28.53	29.68
25	15	30	376500	1882.5	CP-OFDM 16 QAM	160@0	28.598	29.7



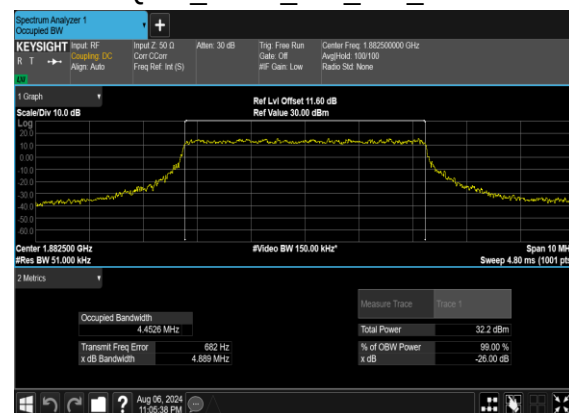
25	15	30	376500	1882.5	CP-OFDM 64 QAM	160@0	28.53	29.74
25	15	30	376500	1882.5	CP-OFDM 256 QAM	160@0	28.559	29.62
25	15	35	376500	1882.5	CP-OFDM QPSK	188@0	33.554	34.82
25	15	35	376500	1882.5	CP-OFDM 16 QAM	188@0	33.531	34.69
25	15	35	376500	1882.5	CP-OFDM 64 QAM	188@0	33.584	34.71
25	15	35	376500	1882.5	CP-OFDM 256 QAM	188@0	33.589	34.76
25	15	40	376500	1882.5	CP-OFDM QPSK	216@0	38.523	40.01
25	15	40	376500	1882.5	CP-OFDM 16 QAM	216@0	38.591	39.96
25	15	40	376500	1882.5	CP-OFDM 64 QAM	216@0	38.532	40.1
25	15	40	376500	1882.5	CP-OFDM 256 QAM	216@0	38.538	39.85



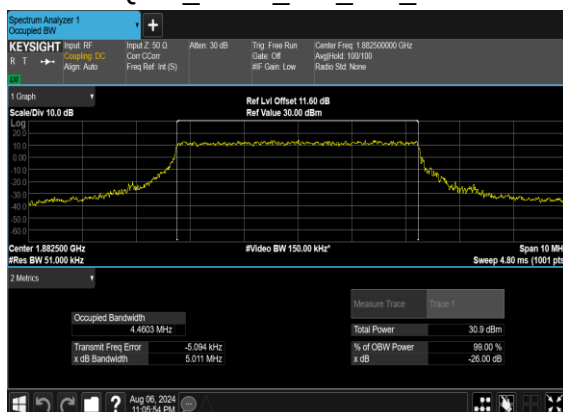
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OFDM_QPSK_Outer_Full_Mid_CH



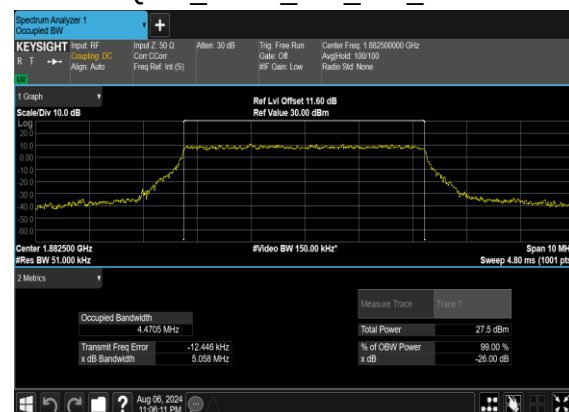
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QAM_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

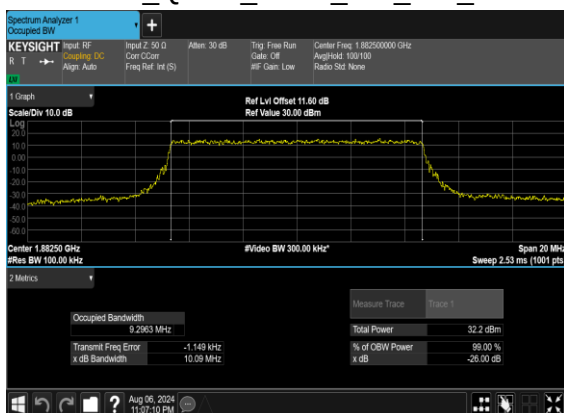


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QAM_Outer_Full_Mid_CH

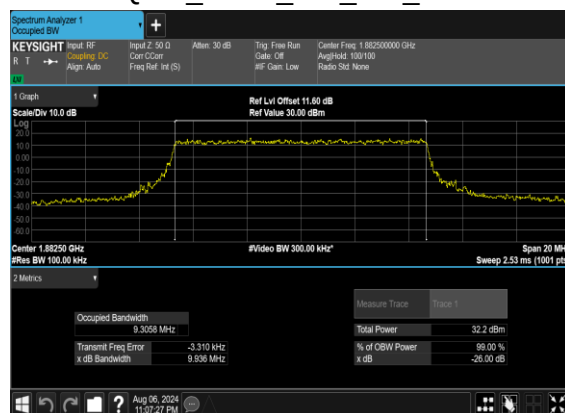




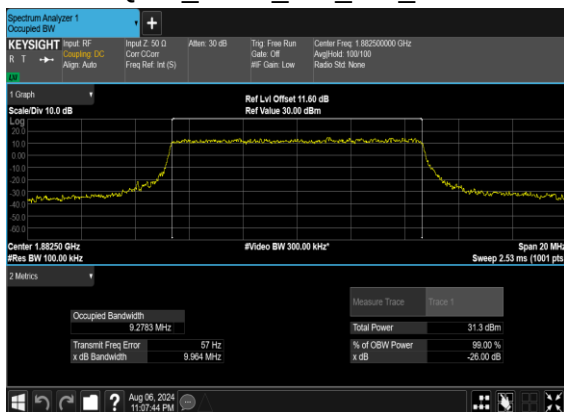
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OFDM_QPSK_Outer_Full_Mid_CH



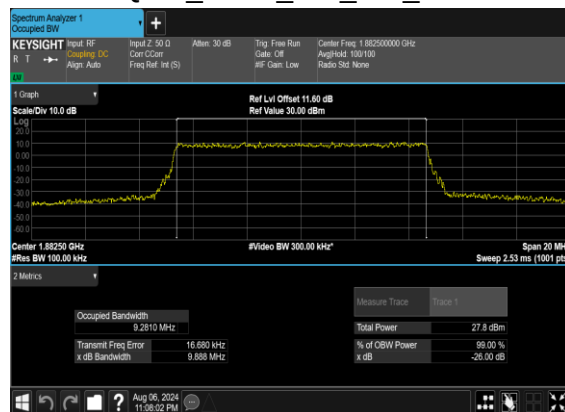
N25(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

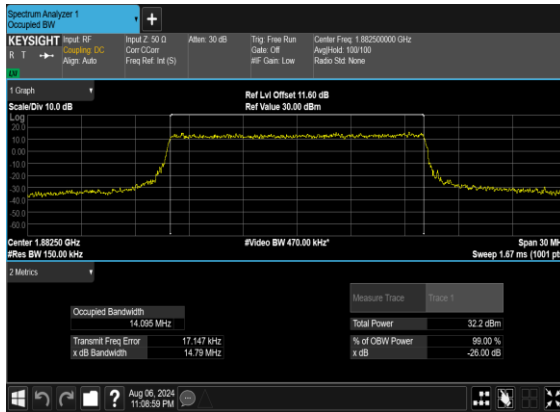


N25(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

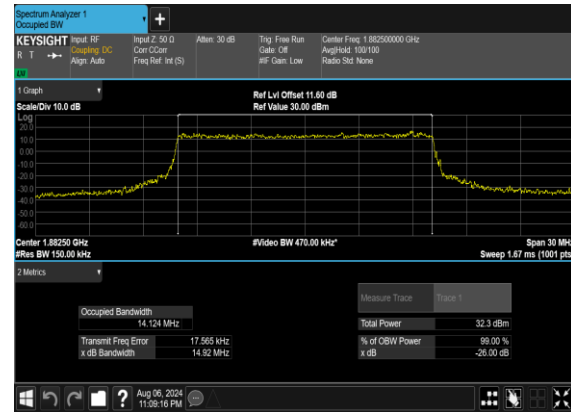




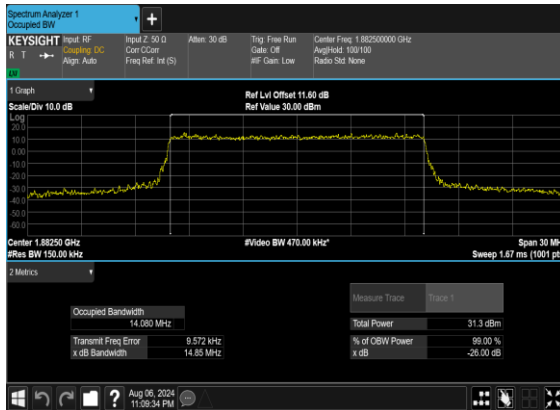
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OFDM_QPSK_Outer_Full_Mid_CH



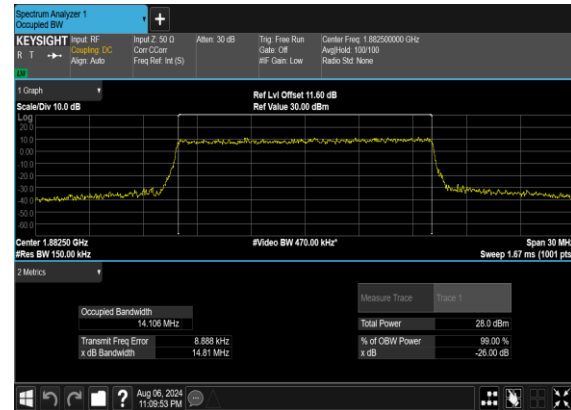
N25(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

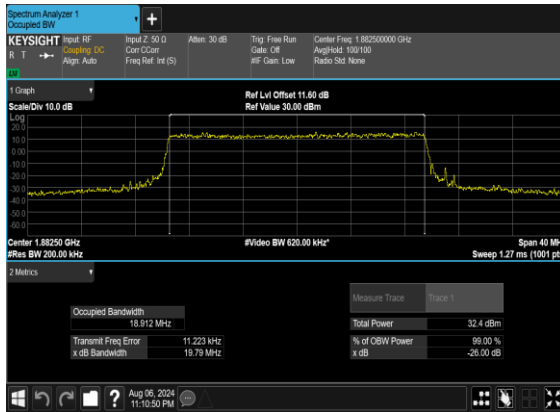


N25(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

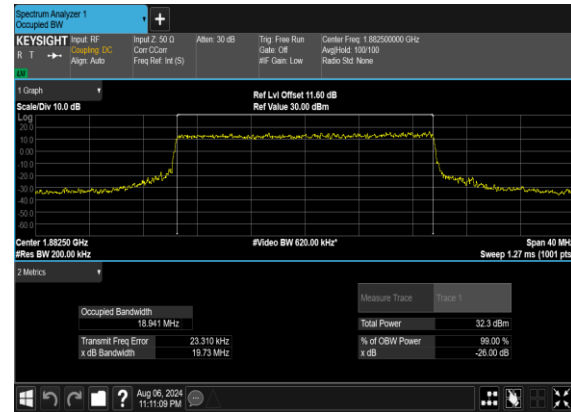




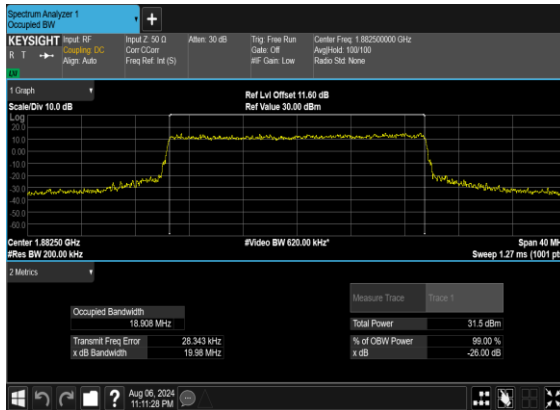
N25(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



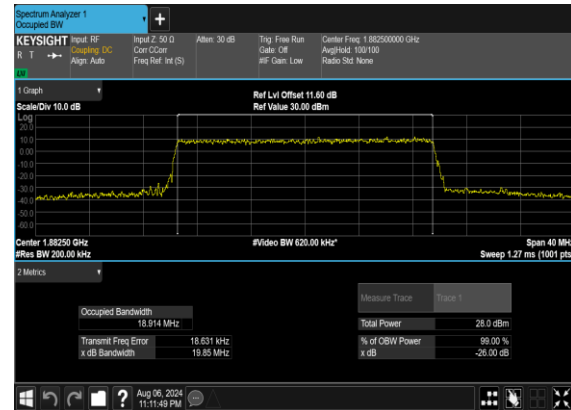
N25(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

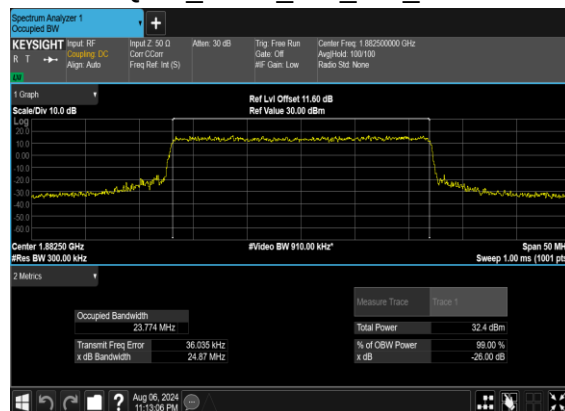




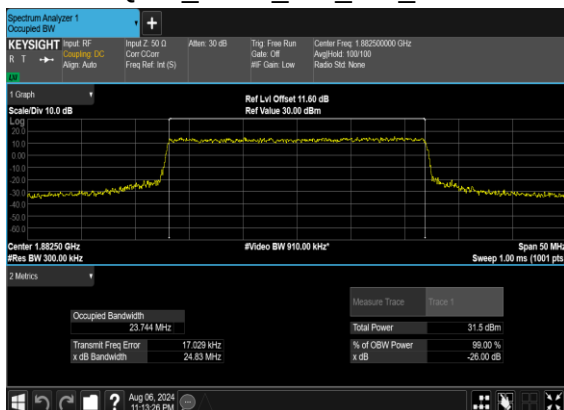
N25(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



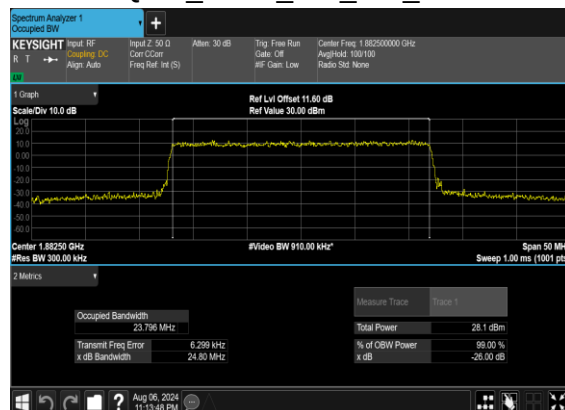
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QAM_Outer_Full_Mid_CH



N25(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

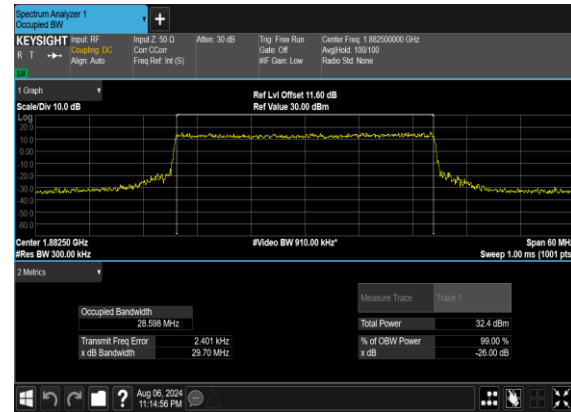




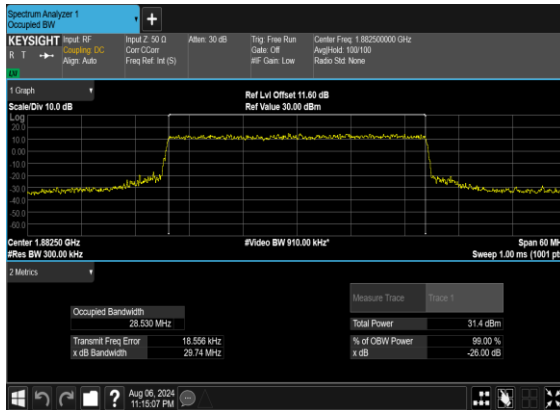
N25(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



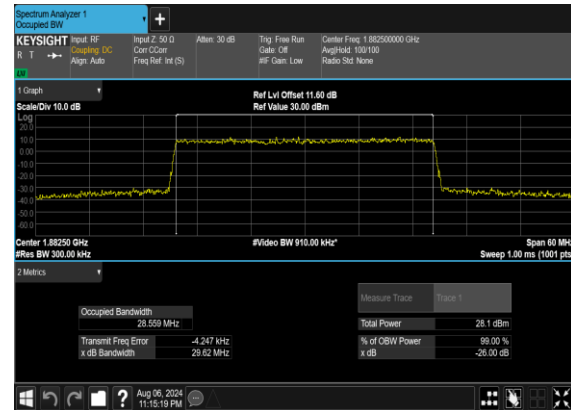
N25(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

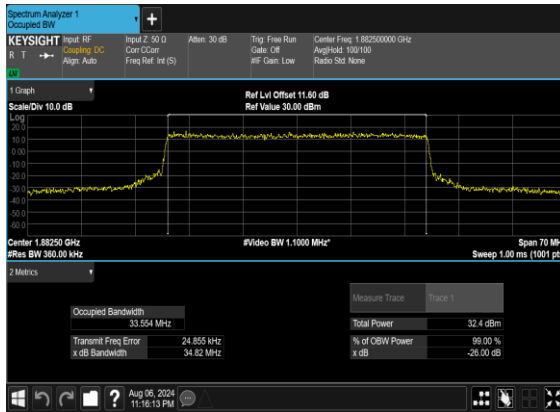


N25(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

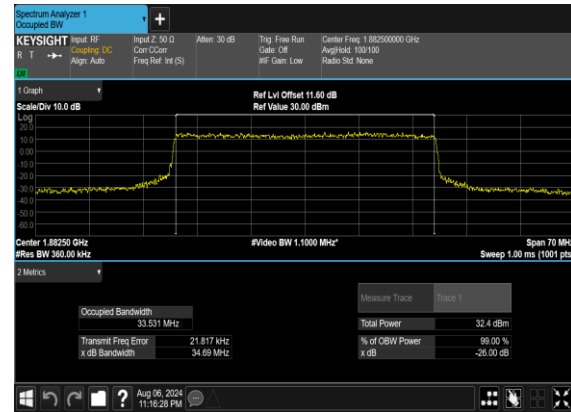




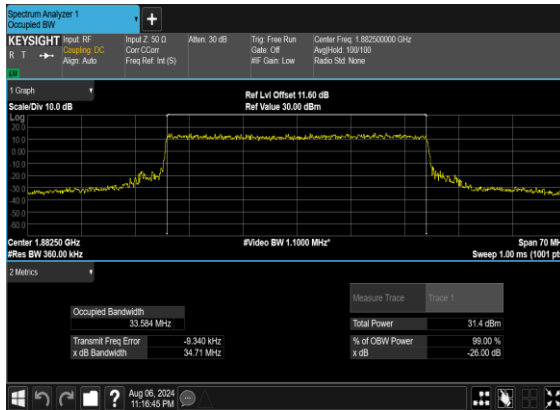
N25(35M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



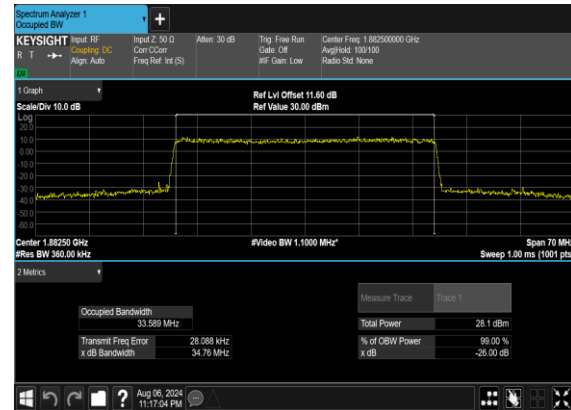
N25(35M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(35M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

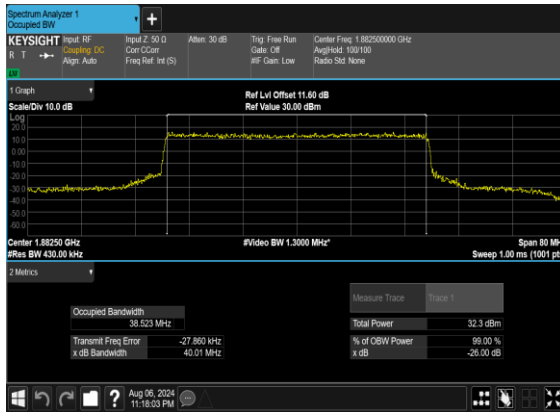


N25(35M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

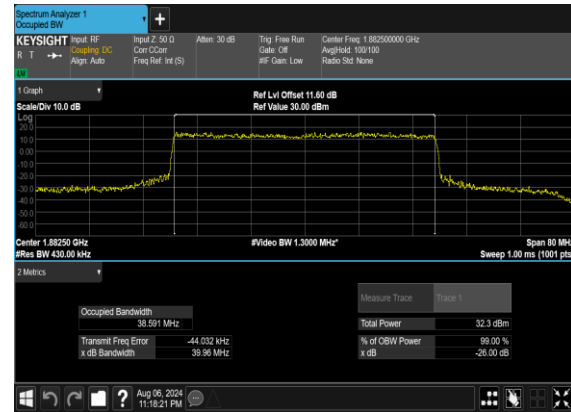




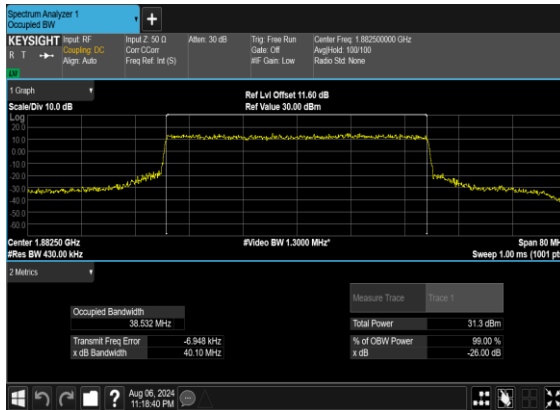
N25(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



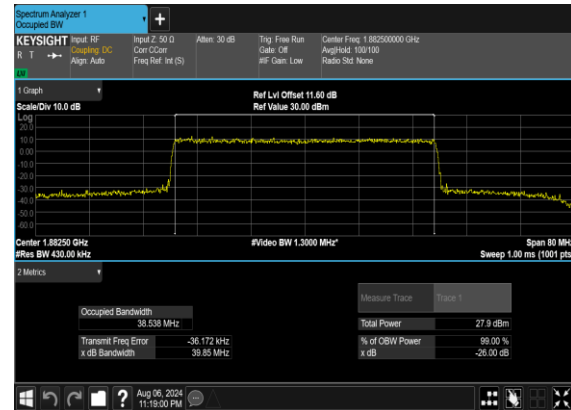
N25(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

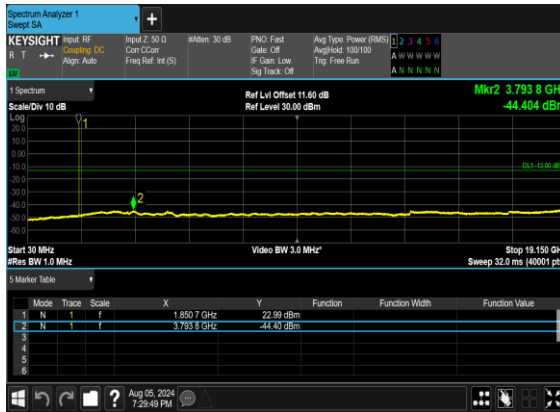
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph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



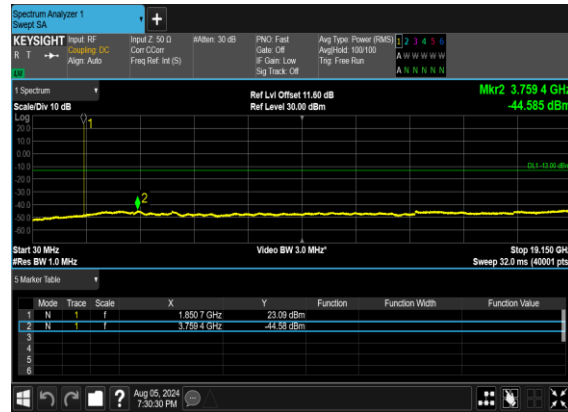
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	40	374000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



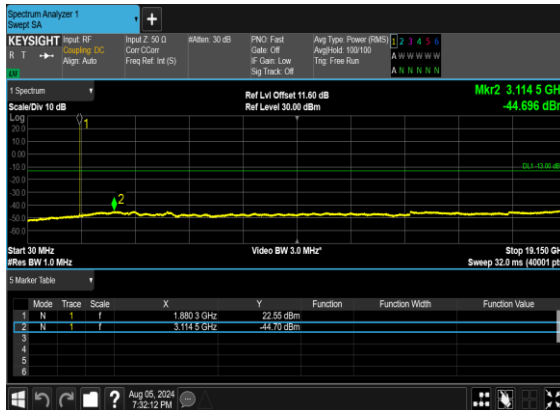
N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



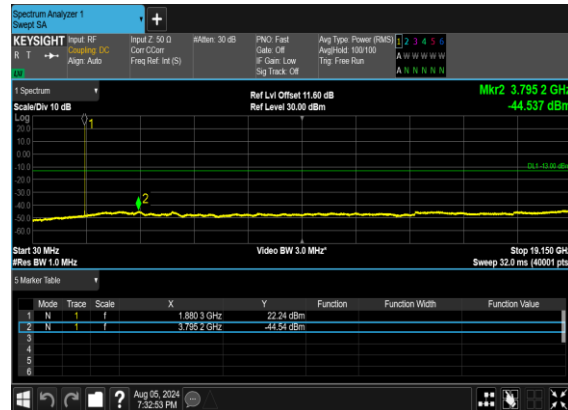
N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

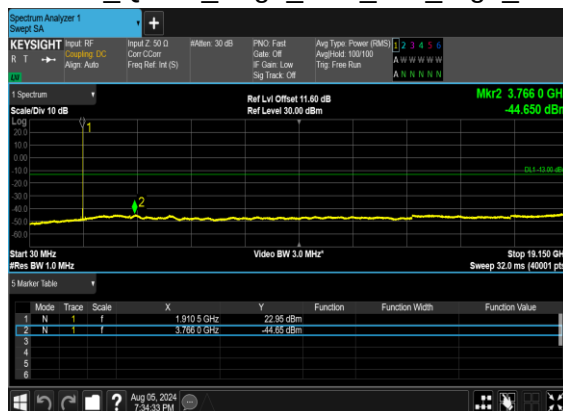




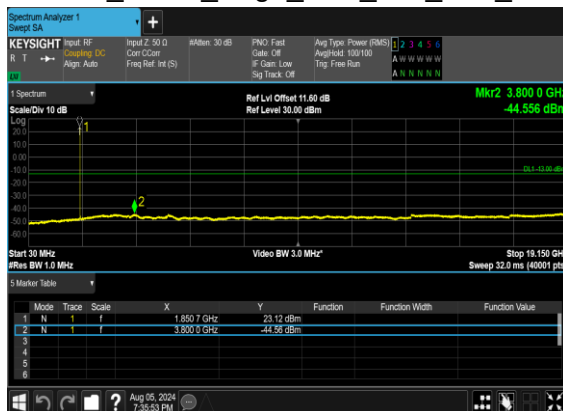
N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



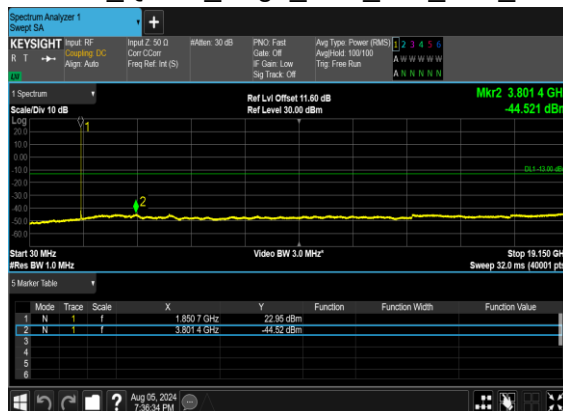
N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

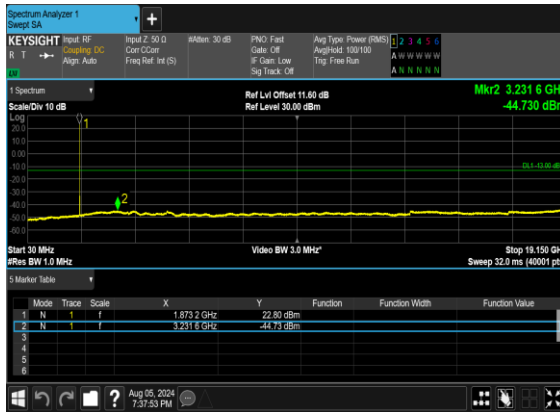


N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

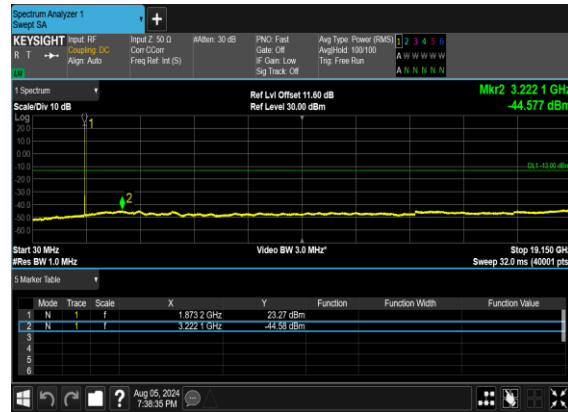




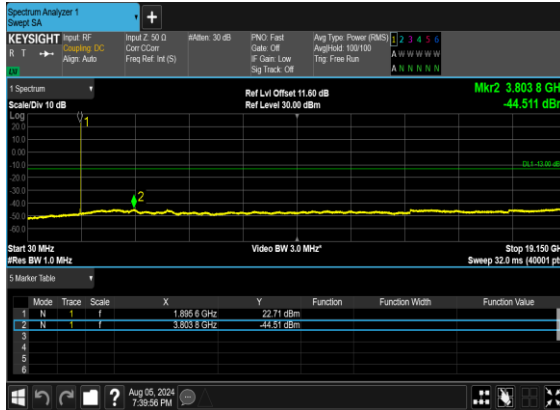
N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



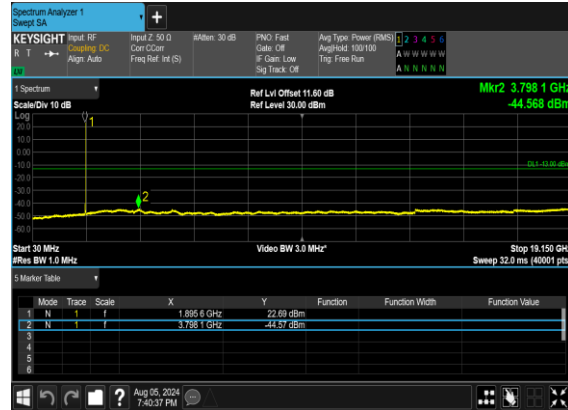
N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

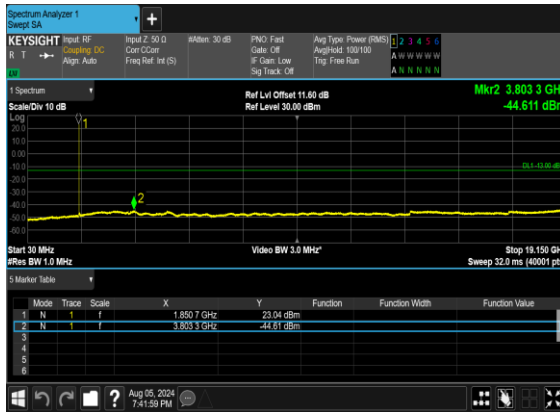


N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

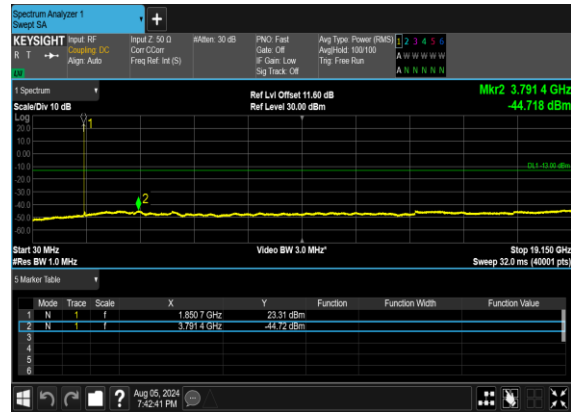




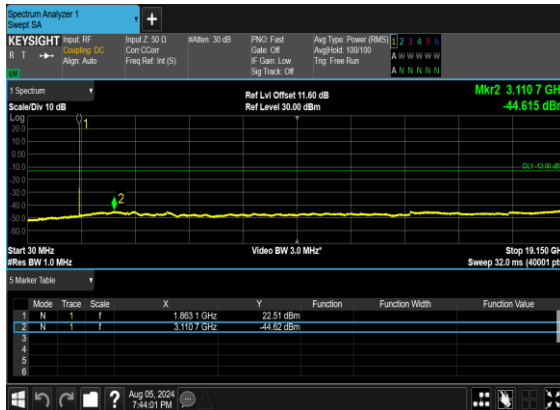
N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



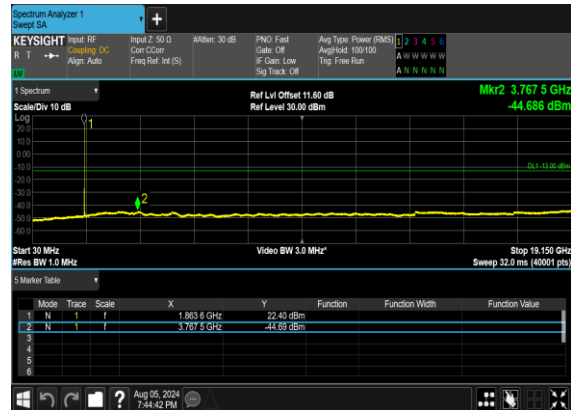
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

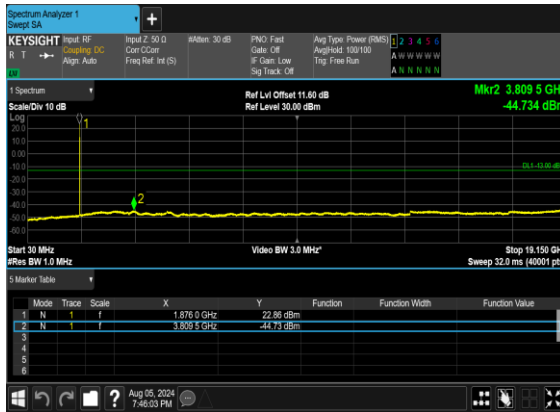
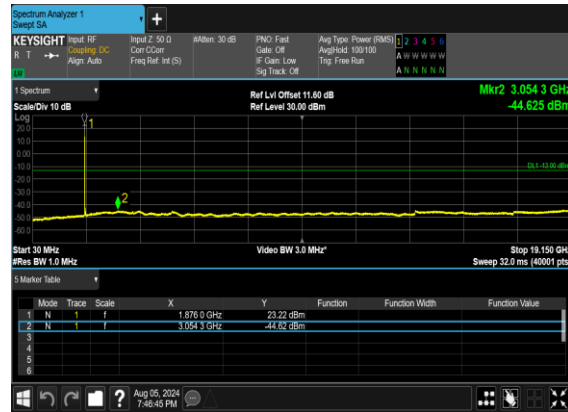


N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



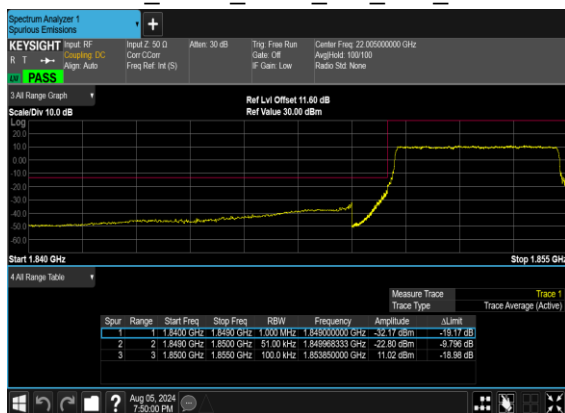
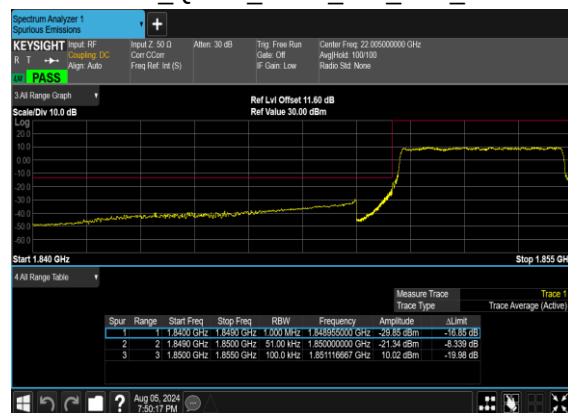
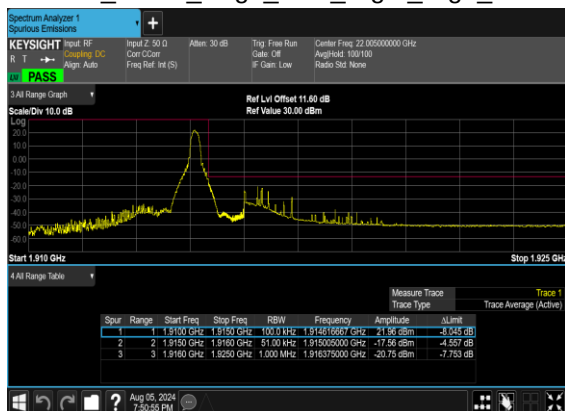
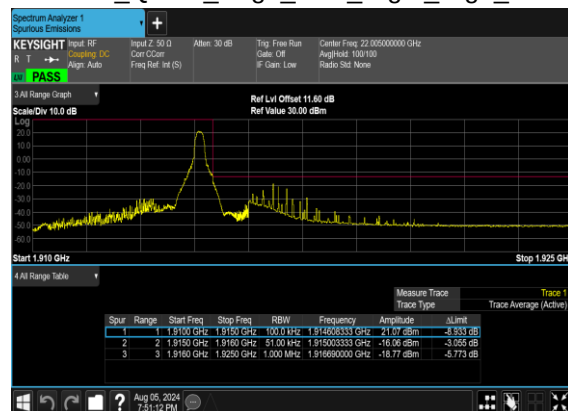
N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

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

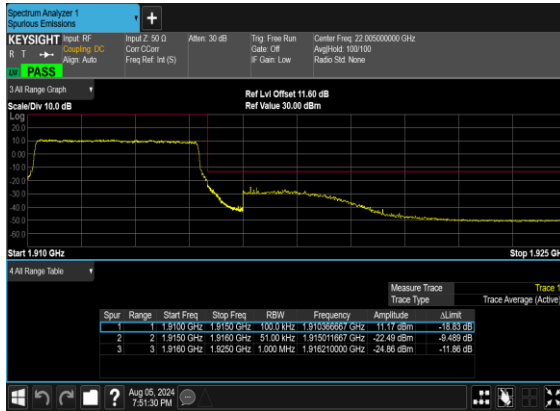


QPSK									
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@105	see graph	PASS	
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@105	see graph	PASS	
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	100@0	see graph	PASS	
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	see graph	PASS	
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	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	

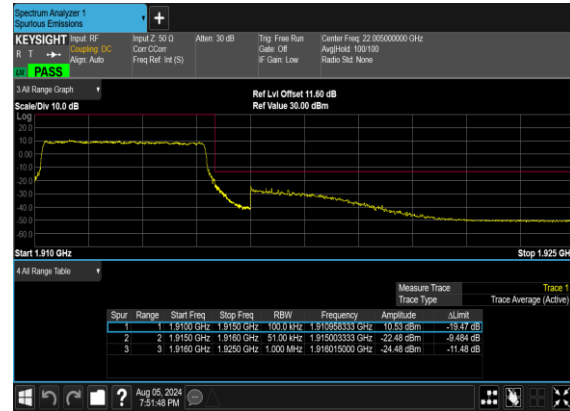
N25(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN25(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CHN25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



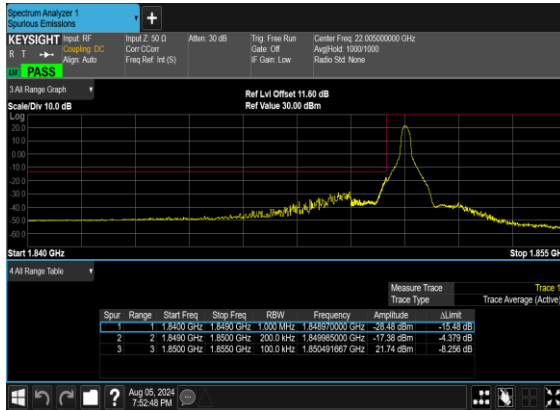
N25(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



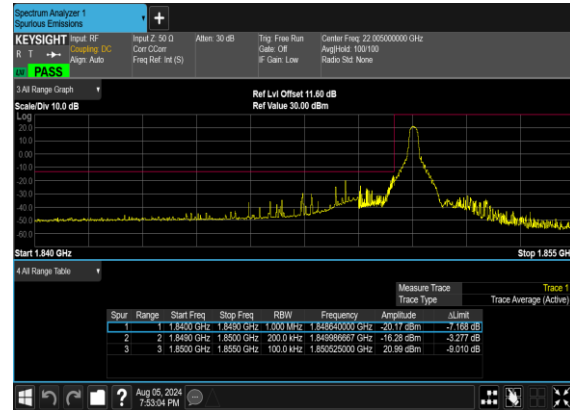
N25(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

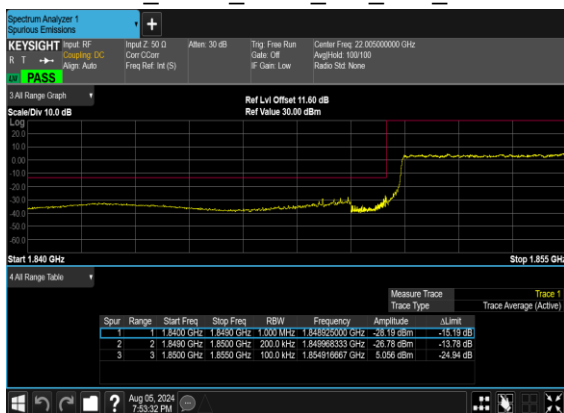


N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

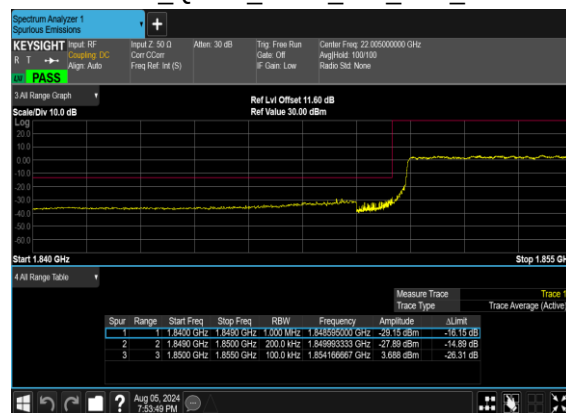




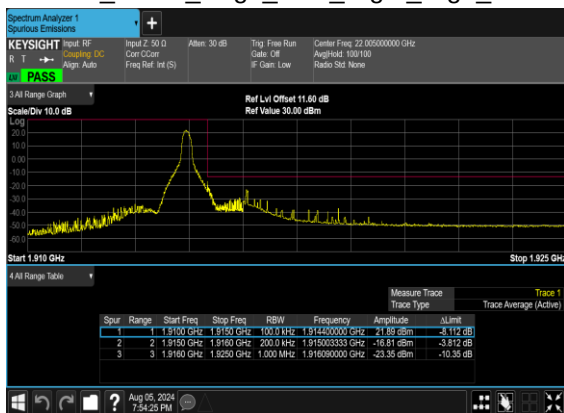
N25(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



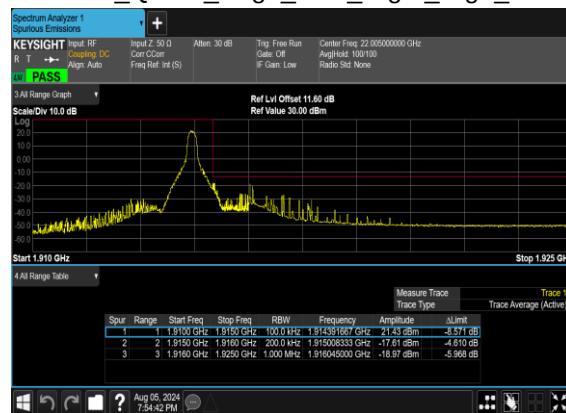
N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH

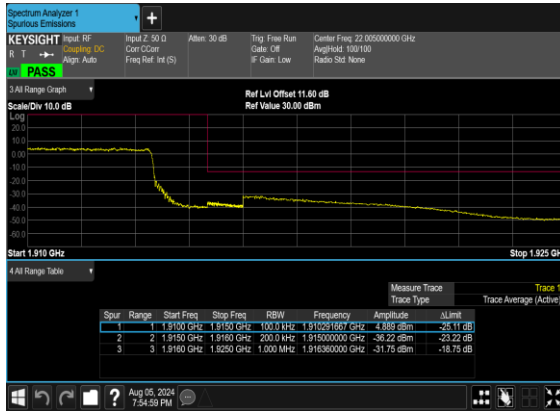


N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

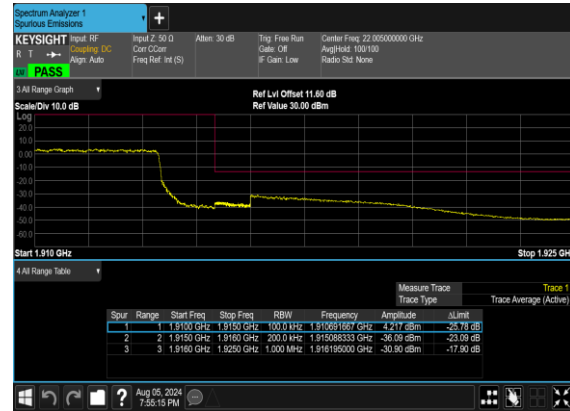




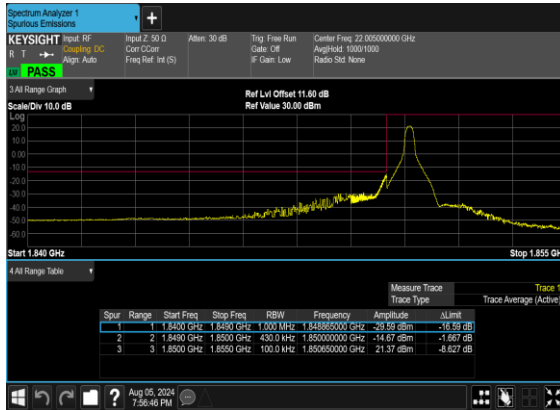
N25(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



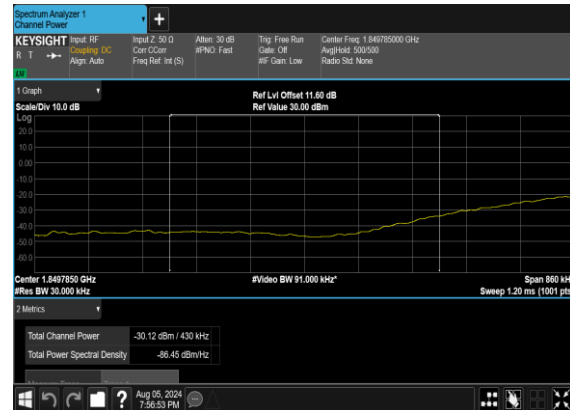
N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

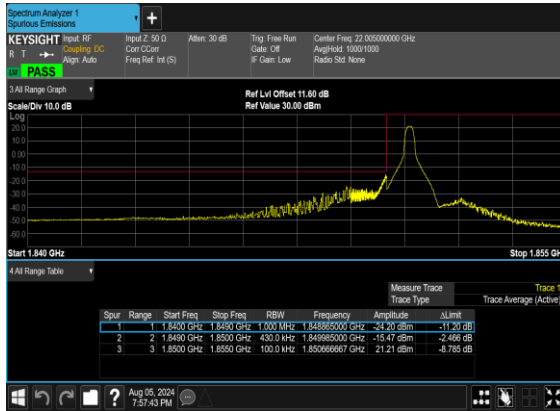


N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PA
SS

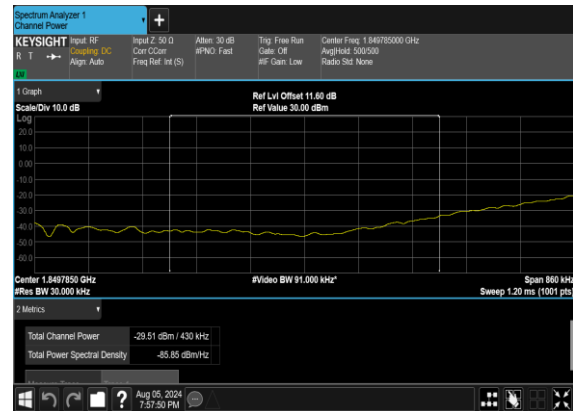




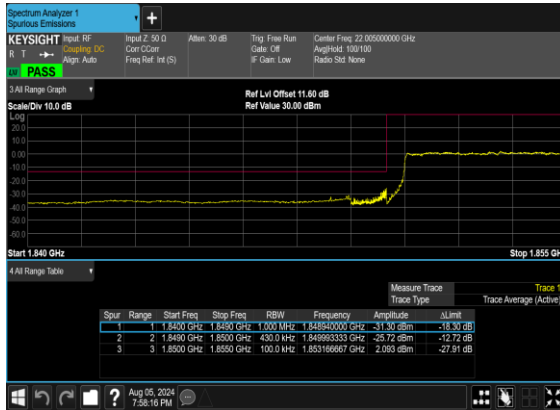
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



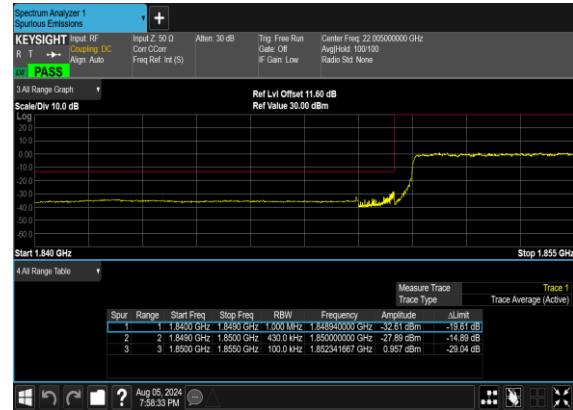
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PA
SS



N25(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

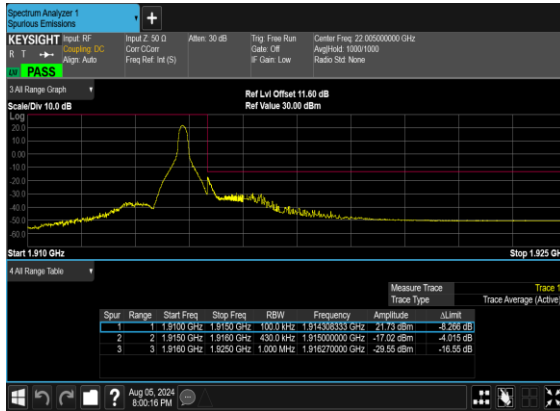


N25(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

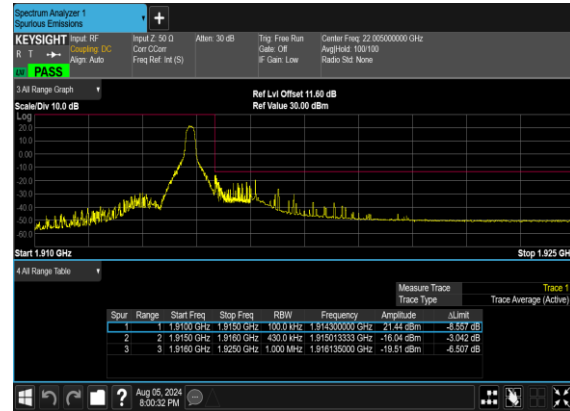




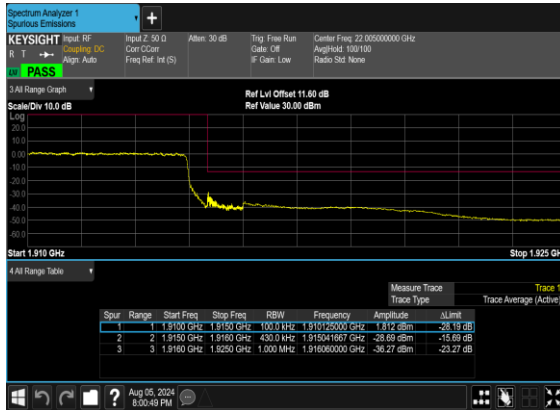
N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



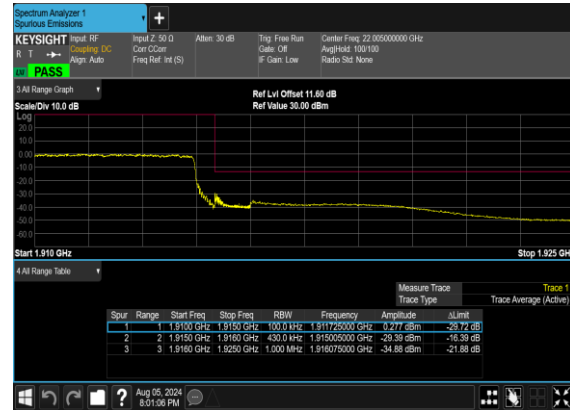
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N25(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N25(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N25 MIMO-ANT(1+8)_ANT8

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	0.0028	PASS	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0041	PASS	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0067	PASS	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0066	PASS	-30℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0034	PASS	-20℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0051	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	0.0038	PASS	10℃
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	0.0036	PASS	30℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0037	PASS	40℃
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0057	PASS	50℃

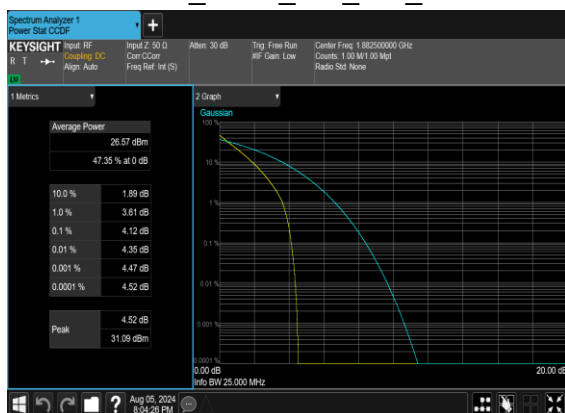


Peak to Average Ratio

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	4.12	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	4.99	13	PASS



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



N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_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	4.4803	5.099
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.46	4.969
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4645	4.982
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4701	5.132
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.3014	10.09
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.2942	10.04
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2623	9.956
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.2985	9.945
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.086	14.78
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.08	14.95
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.084	14.69
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.088	14.85
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.94	19.99
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.925	19.91
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.957	19.89
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.889	19.84
25	15	25	376500	1882.5	CP-OFDM QPSK	133@0	23.792	24.98
25	15	25	376500	1882.5	CP-OFDM 16 QAM	133@0	23.755	24.71
25	15	25	376500	1882.5	CP-OFDM 64 QAM	133@0	23.737	24.82
25	15	25	376500	1882.5	CP-OFDM 256 QAM	133@0	23.813	24.87
25	15	30	376500	1882.5	CP-OFDM QPSK	160@0	28.596	29.55
25	15	30	376500	1882.5	CP-OFDM 16 QAM	160@0	28.543	29.8



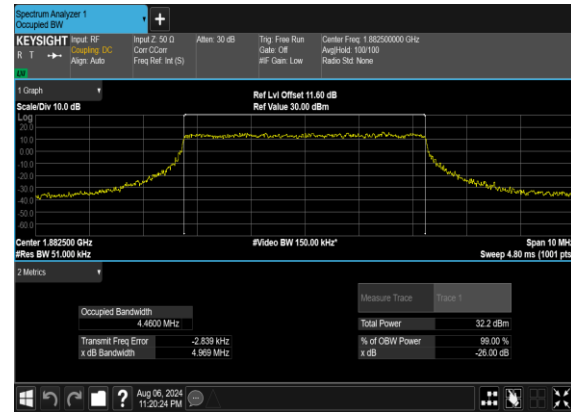
25	15	30	376500	1882.5	CP-OFDM 64 QAM	160@0	28.556	29.67
25	15	30	376500	1882.5	CP-OFDM 256 QAM	160@0	28.557	29.61
25	15	35	376500	1882.5	CP-OFDM QPSK	188@0	33.527	34.84
25	15	35	376500	1882.5	CP-OFDM 16 QAM	188@0	33.618	34.71
25	15	35	376500	1882.5	CP-OFDM 64 QAM	188@0	33.54	34.83
25	15	35	376500	1882.5	CP-OFDM 256 QAM	188@0	33.568	34.76
25	15	40	376500	1882.5	CP-OFDM QPSK	216@0	38.524	40.04
25	15	40	376500	1882.5	CP-OFDM 16 QAM	216@0	38.568	39.91
25	15	40	376500	1882.5	CP-OFDM 64 QAM	216@0	38.528	39.97
25	15	40	376500	1882.5	CP-OFDM 256 QAM	216@0	38.589	40.03



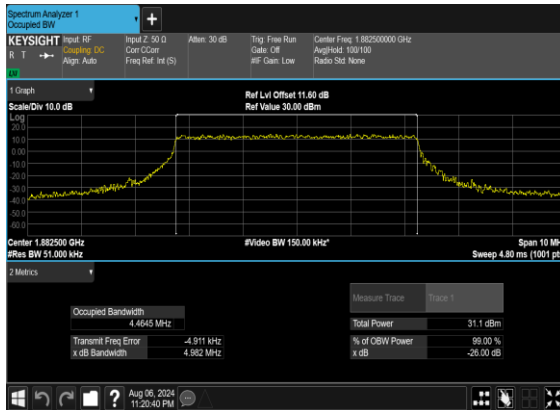
N25(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



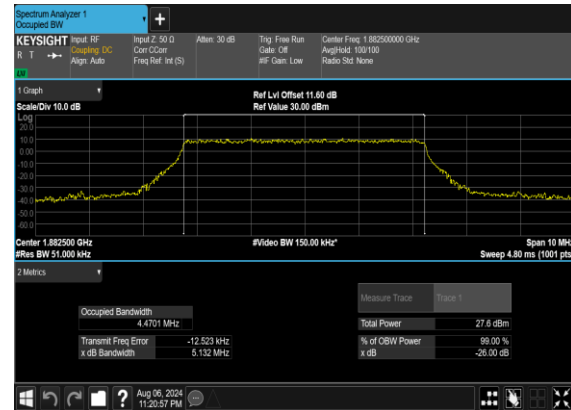
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QAM_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

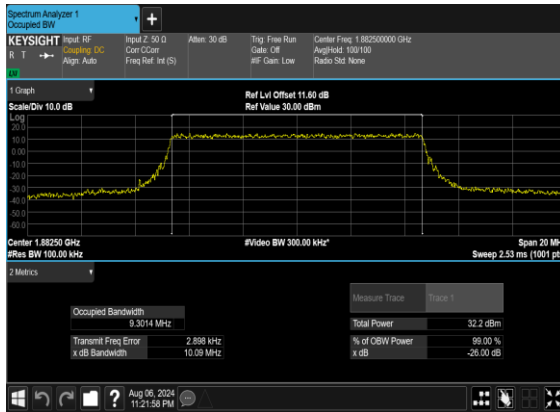


N25(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

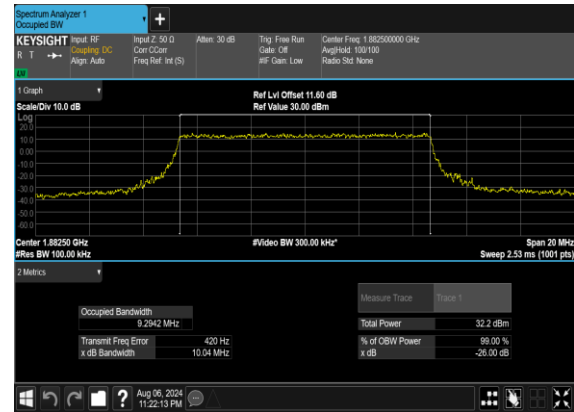




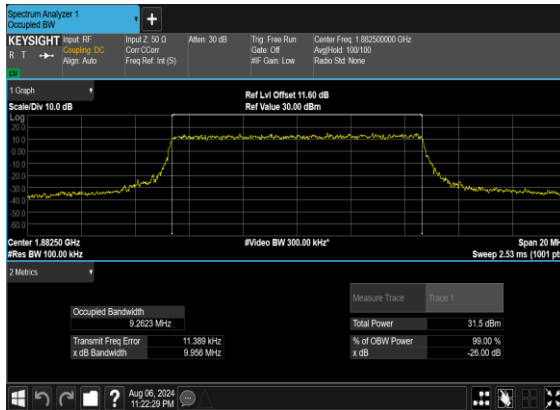
N25(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



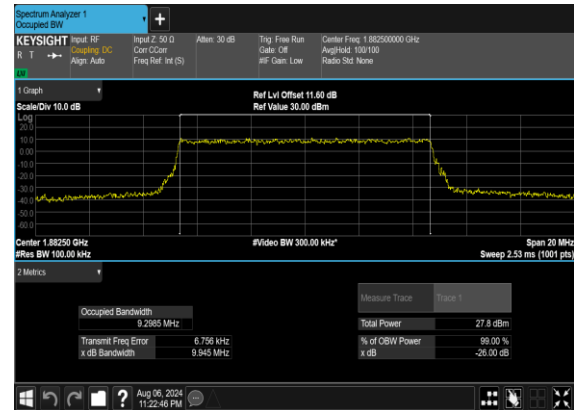
N25(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

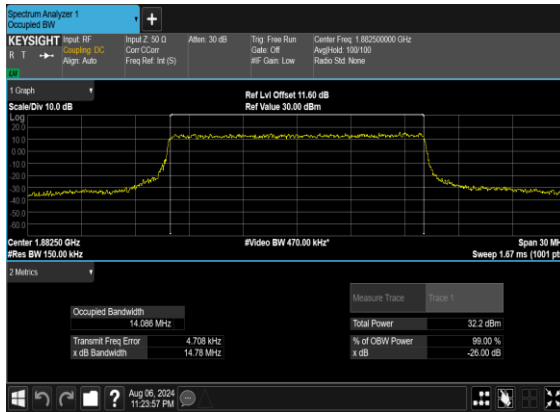


N25(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

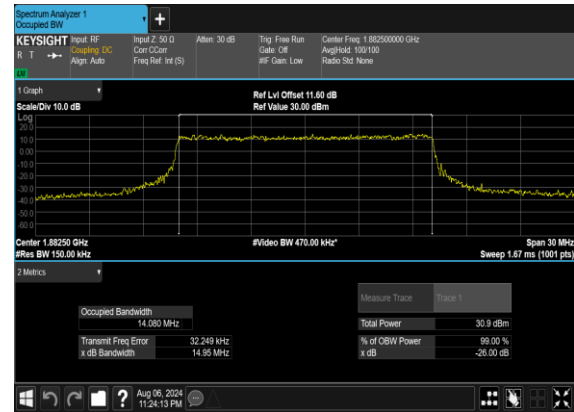




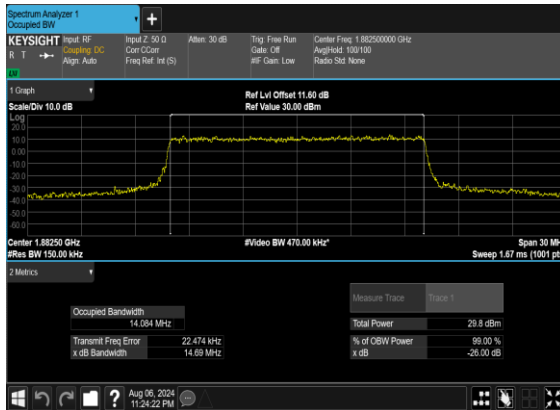
N25(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

