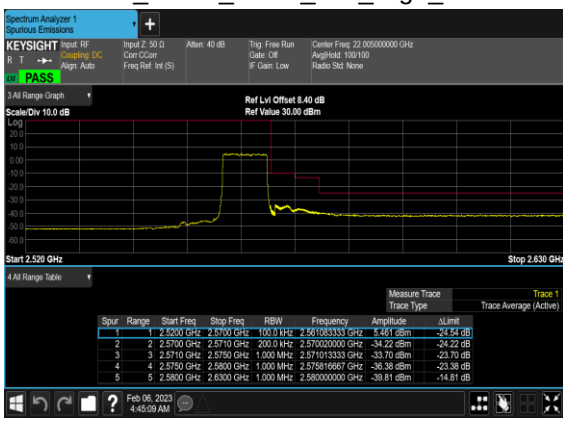
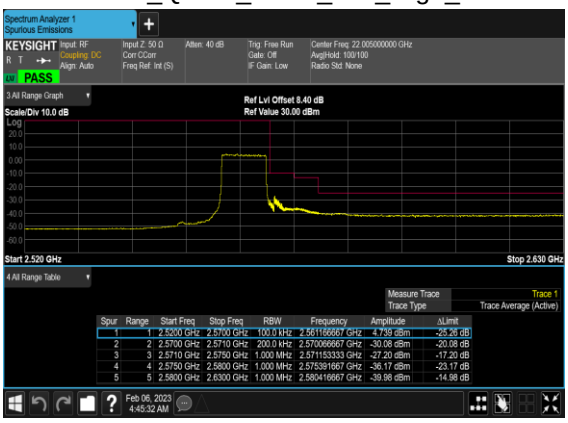
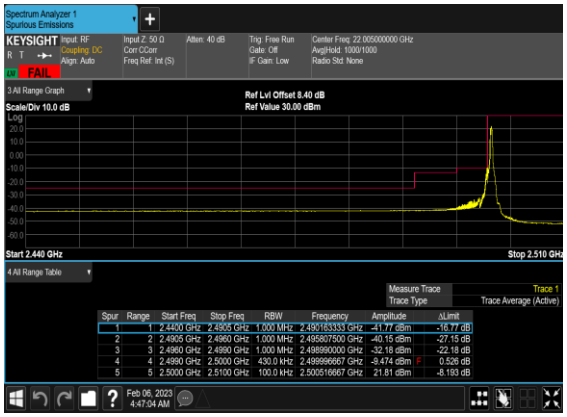
N7(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



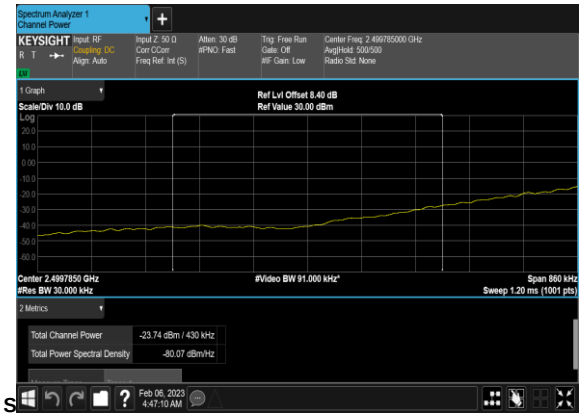
N7(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



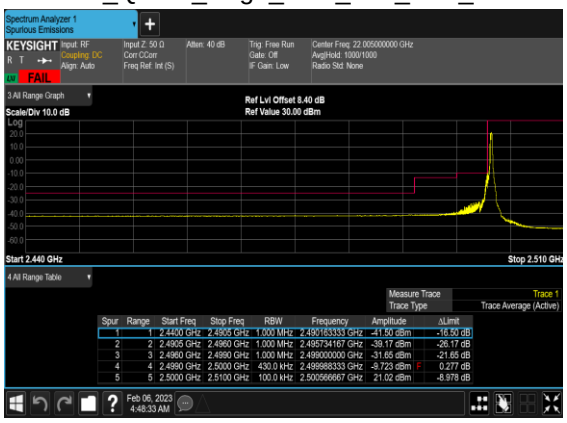
N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



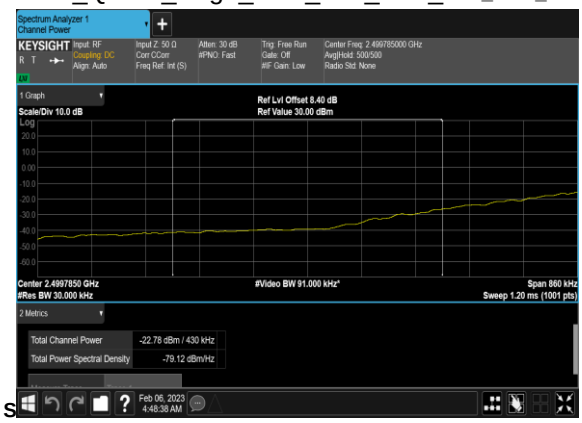
N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PAS**



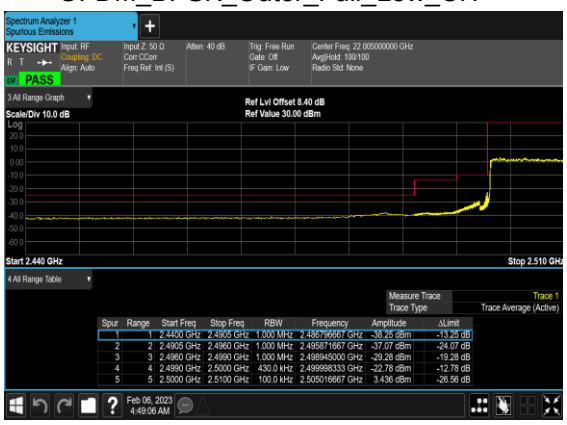
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



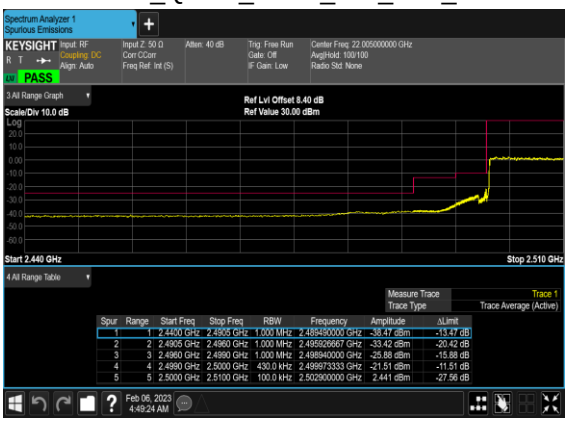
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PAS**



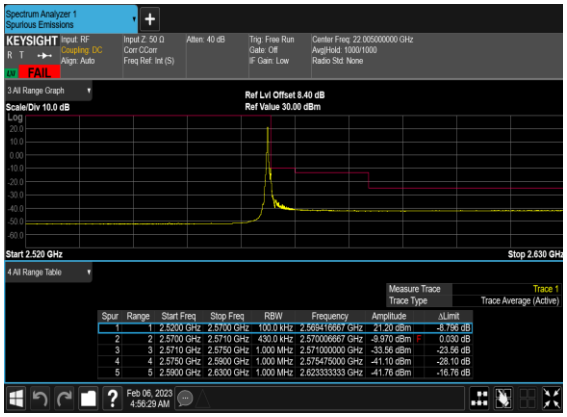
N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



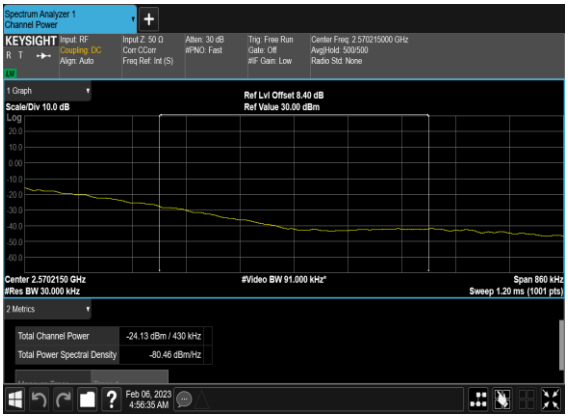
N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



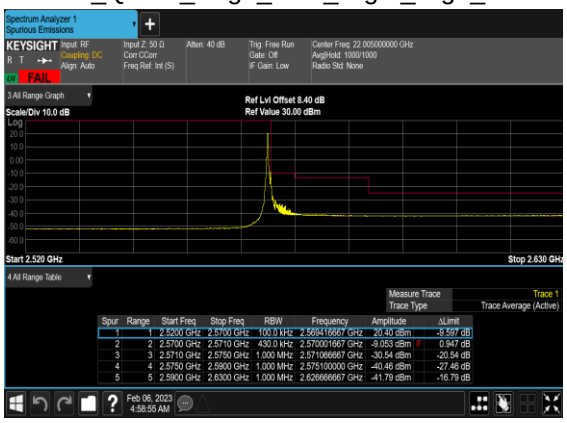
N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



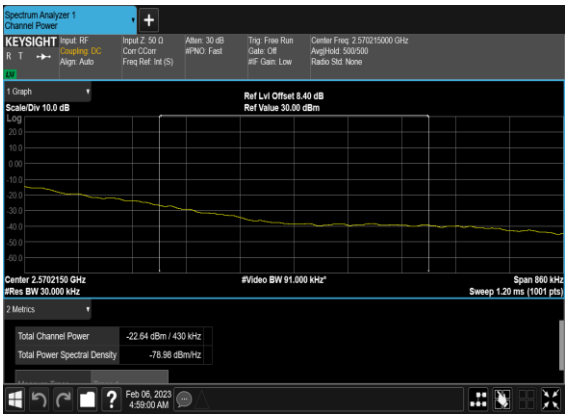
N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



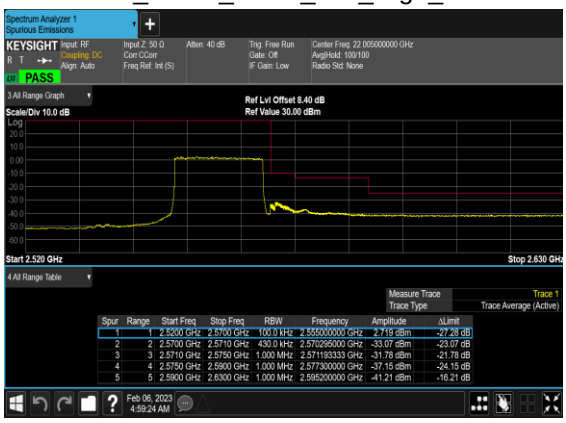
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



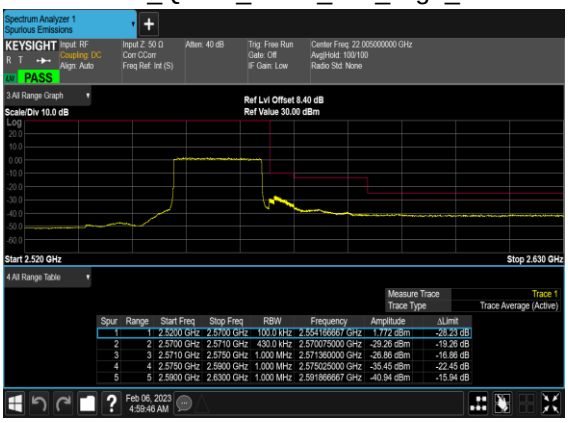
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 22.12.120701

FR1 N38 (ANT8)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-2.97dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	24.94	21.97	0.1574
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	24	21.03	0.1268
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	24.84	21.87	0.1538
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.8	20.83	0.1211
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	24.74	21.77	0.1503
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	23.77	20.8	0.1202
38	30	30	517000	2585	DFT-s-OFDM QPSK	1@1	25.01	22.04	0.1600
38	30	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	24.07	21.1	0.1288
38	30	30	519000	2595	DFT-s-OFDM QPSK	1@1	24.92	21.95	0.1567
38	30	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.96	20.99	0.1256
38	30	30	521000	2605	DFT-s-OFDM QPSK	1@1	24.92	21.95	0.1567
38	30	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	23.99	21.02	0.1265
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	50@25	25.08	22.11	0.1626
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	25.03	22.06	0.1607
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@104	25.07	22.1	0.1622
38	30	40	518000	2590	DFT-s-OFDM QPSK	50@25	24.8	21.83	0.1524
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@1	24.99	22.02	0.1592
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@104	24.97	22	0.1585
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	50@25	23.72	20.75	0.1189
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	24.01	21.04	0.1271
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@104	24.09	21.12	0.1294
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	50@25	22.26	19.29	0.0849
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	22.5	19.53	0.0897
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@104	22.58	19.61	0.0914
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	50@25	20.17	17.2	0.0525
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	20.27	17.3	0.0537
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@104	20.38	17.41	0.0551
38	30	40	518000	2590	CP-OFDM QPSK	53@26	23.35	20.38	0.1091
38	30	40	518000	2590	CP-OFDM QPSK	1@1	23.39	20.42	0.1102

38	30	40	518000	2590	CP-OFDM QPSK	1@104	23.46	20.49	0.1119
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	50@25	24.97	22	0.1585
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	24.93	21.96	0.1570
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@104	25.11	22.14	0.1637
38	30	40	519000	2595	DFT-s-OFDM QPSK	50@25	24.9	21.93	0.1560
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@1	24.94	21.97	0.1574
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@104	25	22.03	0.1596
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	50@25	23.89	20.92	0.1236
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	23.96	20.99	0.1256
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@104	24.11	21.14	0.1300
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	50@25	22.41	19.44	0.0879
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	22.48	19.51	0.0893
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@104	22.63	19.66	0.0925
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	50@25	20.34	17.37	0.0546
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	20.29	17.32	0.0540
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@104	20.43	17.46	0.0557
38	30	40	519000	2595	CP-OFDM QPSK	53@26	23.23	20.26	0.1062
38	30	40	519000	2595	CP-OFDM QPSK	1@1	23.38	20.41	0.1099
38	30	40	519000	2595	CP-OFDM QPSK	1@104	23.5	20.53	0.1130
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	50@25	24.91	21.94	0.1563
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	24.87	21.9	0.1549
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@104	25.08	22.11	0.1626
38	30	40	520000	2600	DFT-s-OFDM QPSK	50@25	24.91	21.94	0.1563
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@1	24.88	21.91	0.1552
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@104	25.01	22.04	0.1600
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	50@25	23.89	20.92	0.1236
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	23.9	20.93	0.1239
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@104	24.11	21.14	0.1300
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	50@25	22.41	19.44	0.0879
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	22.34	19.37	0.0865
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@104	22.6	19.63	0.0918
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	50@25	20.28	17.31	0.0538
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	20.19	17.22	0.0527
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@104	20.4	17.43	0.0553
38	30	40	520000	2600	CP-OFDM QPSK	53@26	21.38	18.41	0.0693

38	30	40	520000	2600	CP-OFDM QPSK	1@1	23.28	20.31	0.1074
38	30	40	520000	2600	CP-OFDM QPSK	1@104	23.47	20.5	0.1122

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shiwei Wen	Temperature :	22~25℃
		Relative Humidity :	48~52%

RSE Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

SA n7 / NR 40MHz / QPSK / ANT1									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5030.00	-57.97	-25	-32.97	-81.83	-63.53	7.14	12.70	H
	7545.00	-54.60	-25	-29.60	-81.42	-57.90	8.30	11.60	H
	10060.00	-53.25	-25	-28.25	-84.13	-54.77	10.48	12.00	H
	5030.00	-56.98	-25	-31.98	-82.29	-62.54	7.14	12.70	V
	7545.00	-54.59	-25	-29.59	-81.4	-57.89	8.30	11.60	V
	10060.00	-51.95	-25	-26.95	-83.64	-53.47	10.48	12.00	V

EN-DC_5A_n7A / LTE 10MHz + NR 40MHz / QPSK /ANT0(LTE)&ANT1(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 Middle	5030.00	-58.16	-25	-33.16	-82.02	-63.72	7.14	12.70	H
	7545.00	-54.76	-25	-29.76	-81.58	-58.06	8.30	11.60	H
	10060.00	-52.81	-25	-27.81	-83.69	-54.33	10.48	12.00	H
	5030.00	-56.61	-25	-31.61	-81.92	-62.17	7.14	12.70	V
	7545.00	-54.66	-25	-29.66	-81.47	-57.96	8.30	11.60	V
	10060.00	-51.84	-25	-26.84	-83.53	-53.36	10.48	12.00	V
LTE Band5 Middle	1664.18	-63.15	-13	-50.15	-75.35	-66.40	4.00	9.40	H
	2496.27	-51.43	-13	-38.43	-70.80	-55.00	4.88	10.60	H
	3328.36	-58.89	-13	-45.89	-80.14	-63.82	5.52	12.60	H
	1664.18	-62.09	-13	-49.09	-74.96	-65.34	4.00	9.40	V
	2496.27	-52.97	-13	-39.97	-72.60	-56.54	4.88	10.60	V
	3328.36	-58.51	-13	-45.51	-80.26	-63.44	5.52	12.60	V

Software Version: 22.12.120701

FR1 N41 HPUE (ANT8)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-2.97dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@1	26.2	23.23	0.2104
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@1	25.27	22.3	0.1698
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.73	23.76	0.2377
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.72	22.75	0.1884
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	26.64	23.67	0.2328
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	25.73	22.76	0.1888
41	30	30	502200	2511	DFT-s-OFDM QPSK	1@1	26.31	23.34	0.2158
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	25.43	22.46	0.1762
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.84	23.87	0.2438
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.85	22.88	0.1941
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	1@1	26.66	23.69	0.2339
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@1	25.81	22.84	0.1923
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	26.31	23.34	0.2158
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	25.39	22.42	0.1746
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.83	23.86	0.2432
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.85	22.88	0.1941
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@1	26.73	23.76	0.2377
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	25.74	22.77	0.1892
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@1	26.72	23.75	0.2371
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@1	25.74	22.77	0.1892
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.76	23.79	0.2393
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.83	22.86	0.1932
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	26.48	23.51	0.2244
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	25.5	22.53	0.1791
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@1	26.66	23.69	0.2339
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	25.78	22.81	0.1910
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.75	23.78	0.2388
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.81	22.84	0.1923
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	26.53	23.56	0.2270

41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	25.6	22.63	0.1832
41	30	70	505200	2531.01	DFT-s-OFDM QPSK	1@1	26.68	23.71	0.2350
41	30	70	505200	2531.01	DFT-s-OFDM 16 QAM	1@1	25.76	22.79	0.1901
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.59	23.62	0.2301
41	30	70	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.67	22.7	0.1862
41	30	70	531996	2655	DFT-s-OFDM QPSK	1@1	26.35	23.38	0.2178
41	30	70	531996	2655	DFT-s-OFDM 16 QAM	1@1	25.42	22.45	0.1758
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	26.61	23.64	0.2312
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	25.69	22.72	0.1871
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.62	23.65	0.2317
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.69	22.72	0.1871
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	26.28	23.31	0.2143
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	25.33	22.36	0.1722
41	30	90	508200	2541	DFT-s-OFDM QPSK	1@1	26.64	23.67	0.2328
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@1	25.69	22.72	0.1871
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.73	23.76	0.2377
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.75	22.78	0.1897
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@1	26.25	23.28	0.2128
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@1	25.26	22.29	0.1694
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	135@67	26.79	23.82	0.2410
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@1	26.82	23.85	0.2427
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@271	26.6	23.63	0.2307
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	26.79	23.82	0.2410
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	26.61	23.64	0.2312
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	26.54	23.57	0.2275
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	25.71	22.74	0.1879
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	25.56	22.59	0.1816
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	25.7	22.73	0.1875
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	24.23	21.26	0.1337
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	24.12	21.15	0.1303
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	24.17	21.2	0.1318
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	22.2	19.23	0.0838
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	22.1	19.13	0.0818
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	21.97	19	0.0794
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	25.27	22.3	0.1698

41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	24.82	21.85	0.1531
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	25.09	22.12	0.1629
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	135@67	26.68	23.71	0.2350
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	26.75	23.78	0.2388
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@271	27.03	24.06	0.2547
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	26.68	23.71	0.2350
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	26.72	23.75	0.2371
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	27	24.03	0.2529
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	25.66	22.69	0.1858
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	25.77	22.8	0.1905
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	26.16	23.19	0.2084
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	24.16	21.19	0.1315
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	24.21	21.24	0.1330
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	24.54	21.57	0.1435
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	22.15	19.18	0.0828
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	22.05	19.08	0.0809
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	22.45	19.48	0.0887
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	25.13	22.16	0.1644
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	25.14	22.17	0.1648
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	25.53	22.56	0.1803
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	135@67	26.66	23.69	0.2339
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@1	26.26	23.29	0.2133
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@271	26.39	23.42	0.2198
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	26.67	23.7	0.2344
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	26.21	23.24	0.2109
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	26.35	23.38	0.2178
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	25.68	22.71	0.1866
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	25.28	22.31	0.1702
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	25.45	22.48	0.1770
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	24.13	21.16	0.1306
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	23.77	20.8	0.1202
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	24.01	21.04	0.1271
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	22.14	19.17	0.0826
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	21.57	18.6	0.0724
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	22.51	19.54	0.0899

41	30	100	528000	2640	CP-OFDM QPSK	137@68	25.12	22.15	0.1641
41	30	100	528000	2640	CP-OFDM QPSK	1@1	24.68	21.71	0.1483
41	30	100	528000	2640	CP-OFDM QPSK	1@271	24.71	21.74	0.1493

Frequency Stability

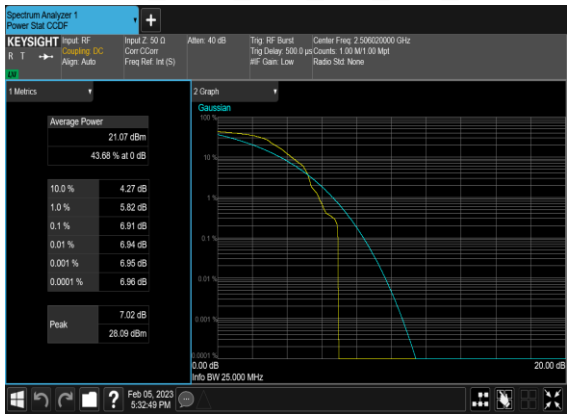
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0044	**PASS**	NV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0044	**PASS**	LV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0042	**PASS**	HV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0060	**PASS**	-10℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0062	**PASS**	0℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0046	**PASS**	10℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0044	**PASS**	20℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0026	**PASS**	30℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0040	**PASS**	40℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0025	**PASS**	50℃

Peak to Average Ratio

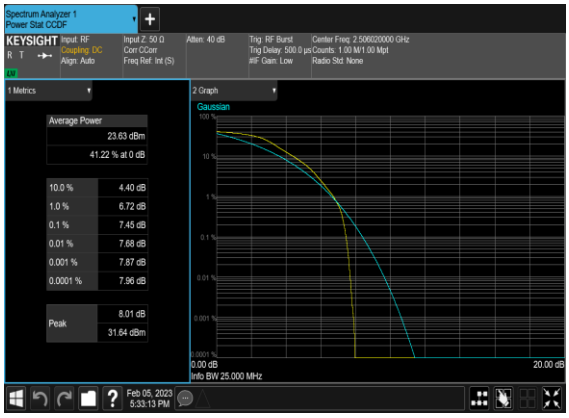
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	50@0	6.7	13	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	1@0	6.91	13	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	7.45	13	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	6.65	13	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	6.76	13	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@0	6.86	13	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	7.43	13	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	6.63	13	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	50@0	6.89	13	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@0	6.96	13	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	7.46	13	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	6.69	13	**PASS**

N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

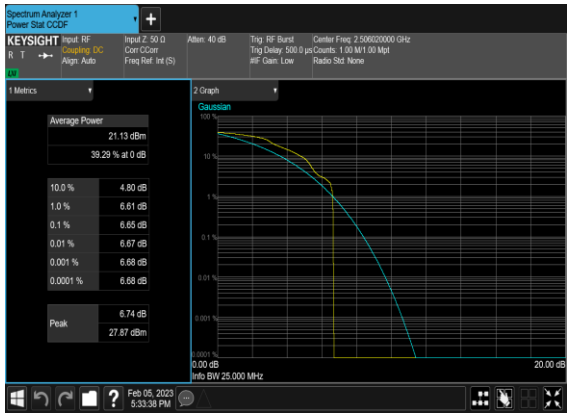
N41(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



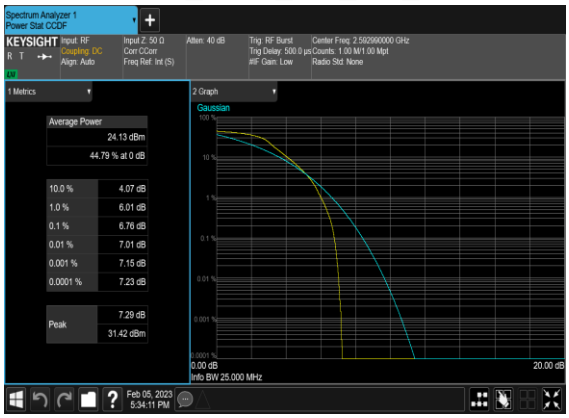
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



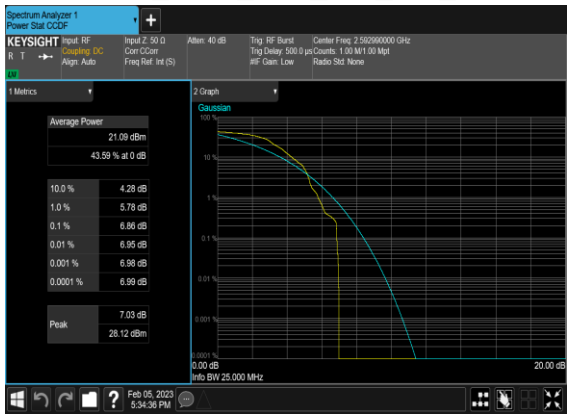
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



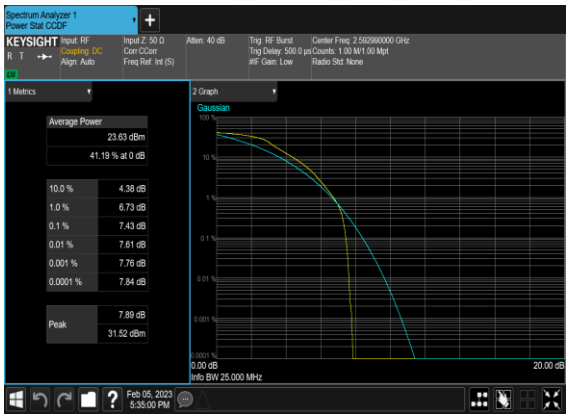
N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



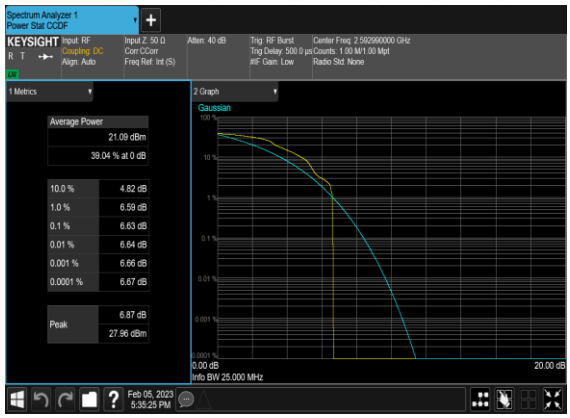
N41(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



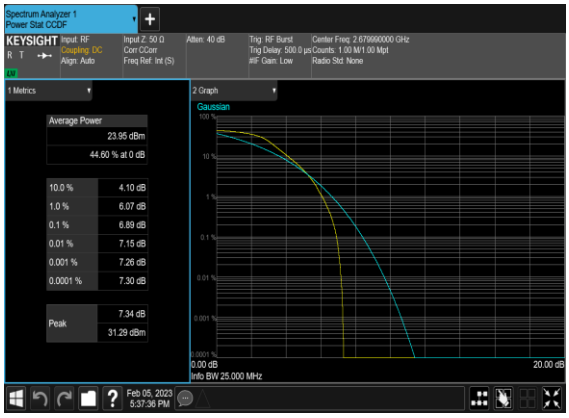
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



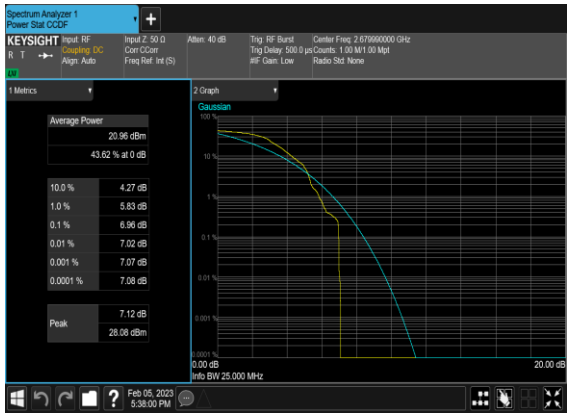
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

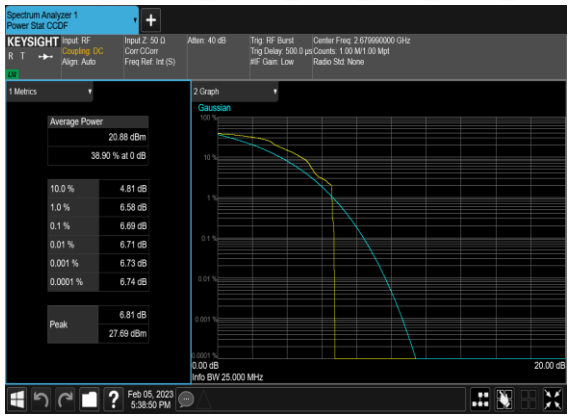


N41(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



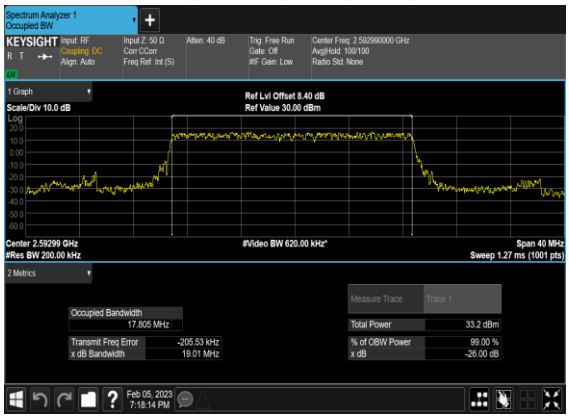
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	17.805	19.01
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	17.846	19.05
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.191	19.73
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.22	19.33
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.144	19.2
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.177	19.54
41	30	30	518598	2592.99	DFT-s-OFDM PI/2 BPSK	75@0	26.741	27.97
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	75@0	26.712	28.08
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.788	29.23
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.838	29.67
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.824	29.0
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.885	28.95
41	30	40	518598	2592.99	DFT-s-OFDM PI/2 BPSK	100@0	35.825	37.28
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	100@0	35.723	37.23
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.843	39.53
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.768	39.17
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.832	39.35
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.834	39.25
41	30	50	518598	2592.99	DFT-s-OFDM PI/2 BPSK	128@0	45.714	47.46
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	128@0	45.701	47.21
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.53	49.43
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.571	49.14
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.6	48.97
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.501	49.29

41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	57.97	60.01
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	162@0	57.875	59.76
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.862	59.76
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.828	59.84
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.984	59.75
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.772	59.74
41	30	70	518598	2592.99	DFT-s-OFDM PI/2 BPSK	180@0	64.387	66.47
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	180@0	64.189	66.31
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.543	69.57
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.525	69.77
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.674	69.76
41	30	70	518598	2592.99	CP-OFDM 256 QAM	189@0	67.453	69.55
41	30	80	518598	2592.99	DFT-s-OFDM PI/2 BPSK	216@0	77.258	79.74
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	216@0	77.049	79.63
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.48	80.02
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.731	79.97
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.453	79.97
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.411	79.88
41	30	90	518598	2592.99	DFT-s-OFDM PI/2 BPSK	240@0	87.036	89.81
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	240@0	85.828	88.63
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.47	90.35
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.586	90.26
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.568	90.23
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.715	90.33
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	270@0	96.678	99.46
41	30	100	518598	2592.99	DFT-s-OFDM	270@0	96.681	99.61

					QPSK			
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.63	100.7
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.32	100.5
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.36	100.5
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.749	100.7

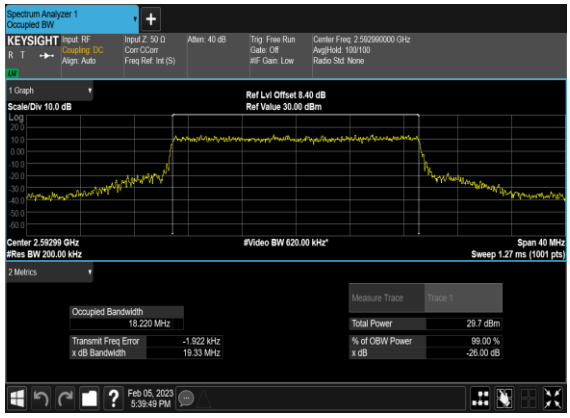
N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

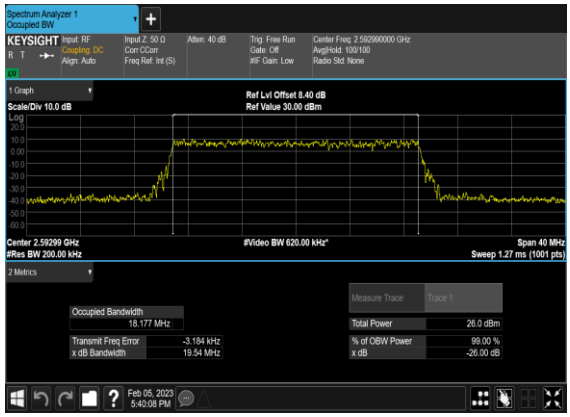
N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N41(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

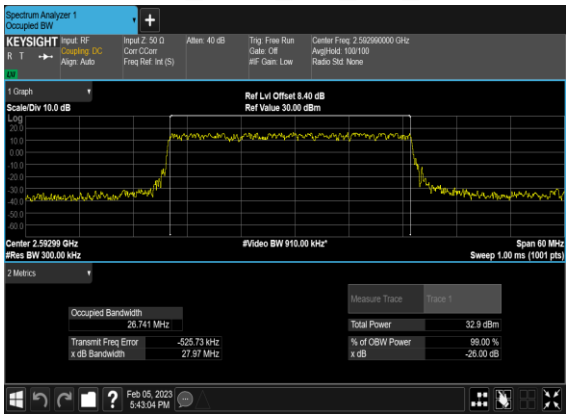


N41(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

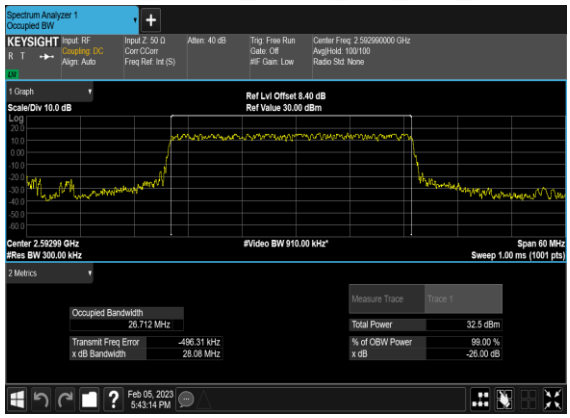
N41(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



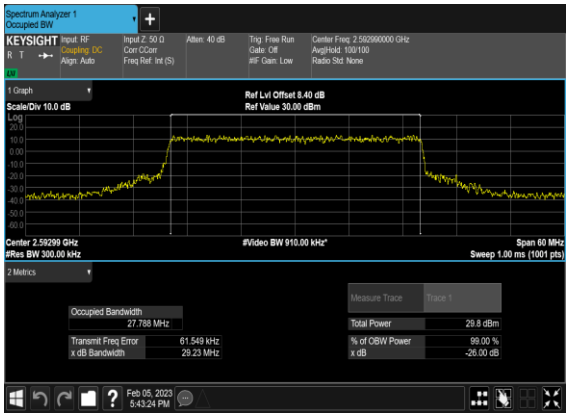
N41(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N41(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

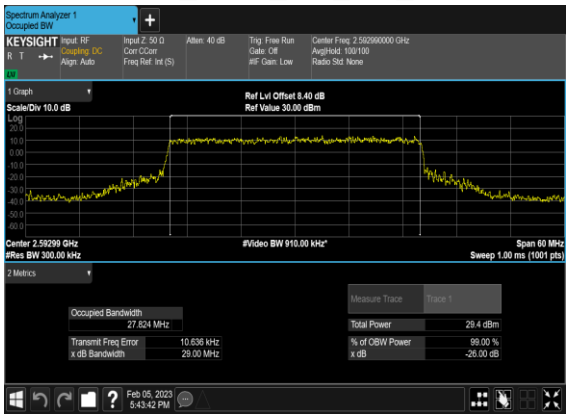


N41(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

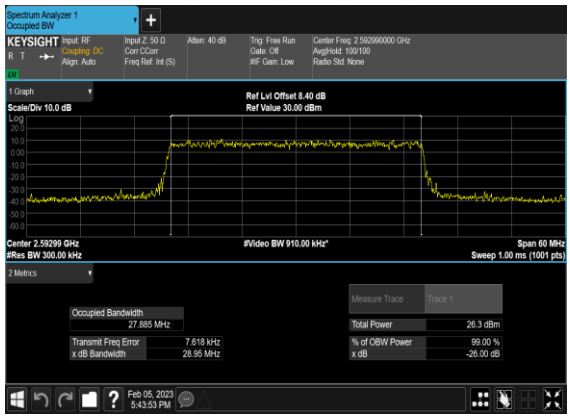


N41(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

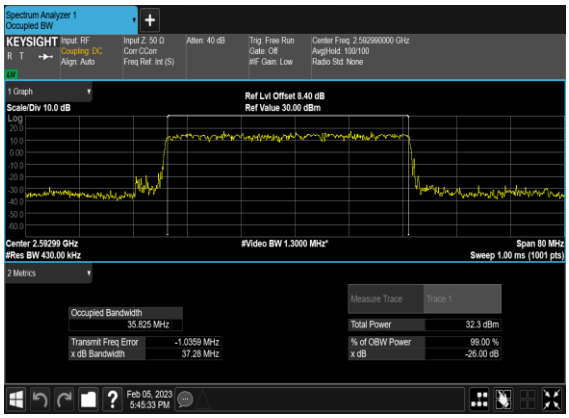
N41(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



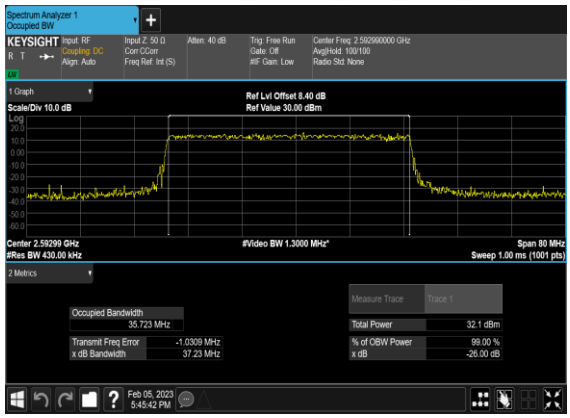
N41(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



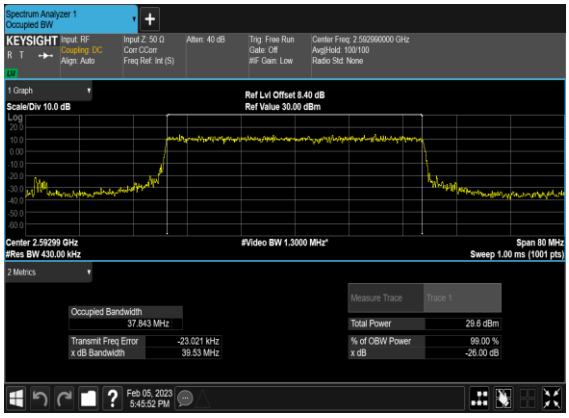
N41(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N41(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



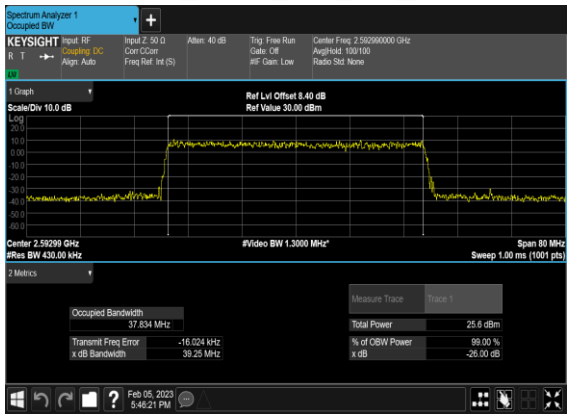
N41(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



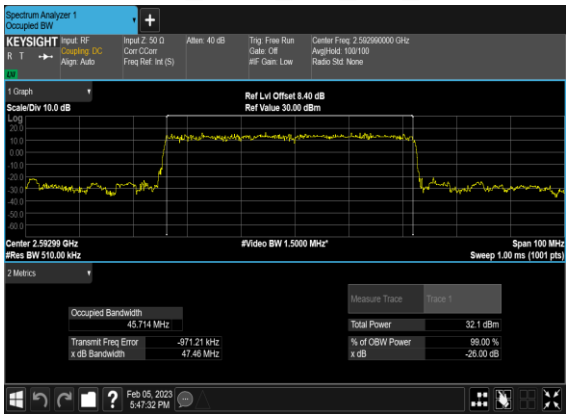
N41(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N41(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

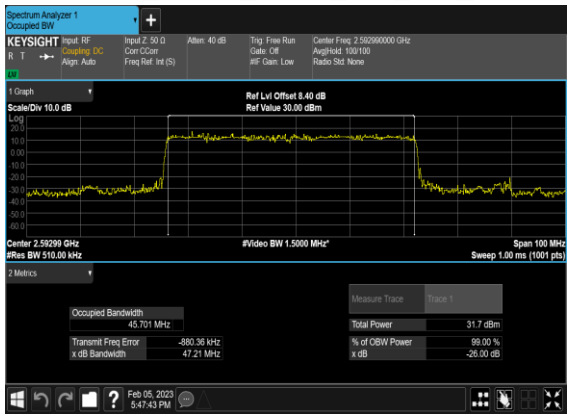
N41(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



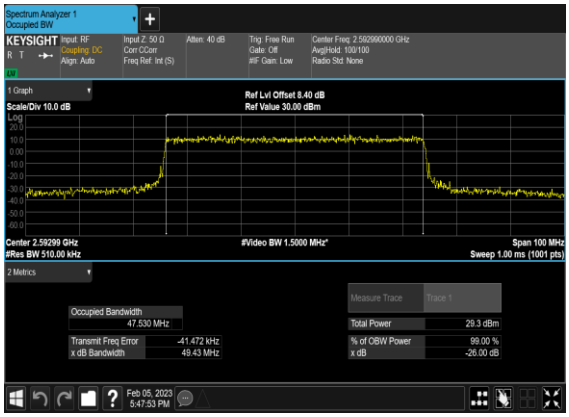
N41(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



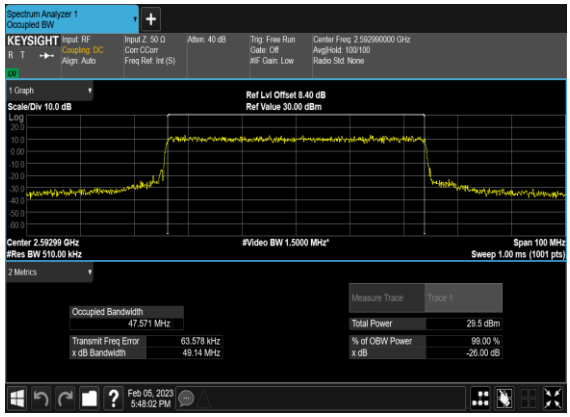
N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



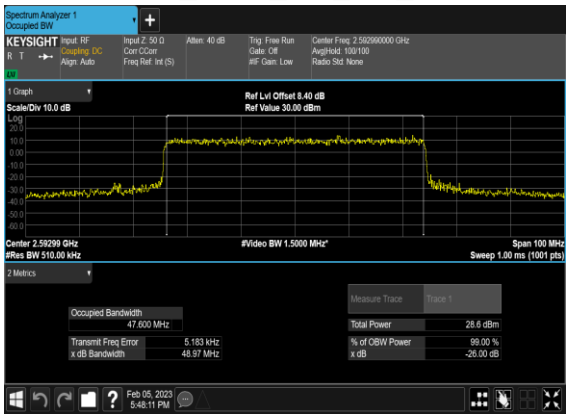
N41(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



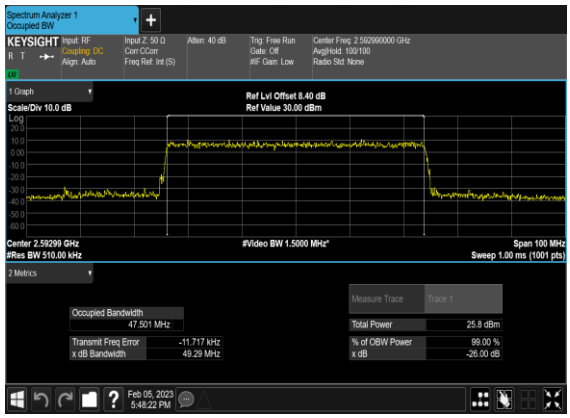
N41(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



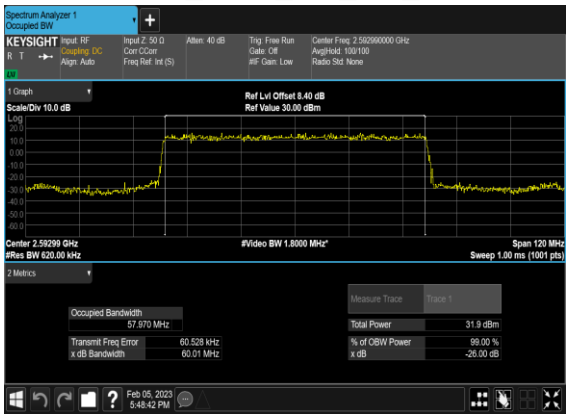
N41(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



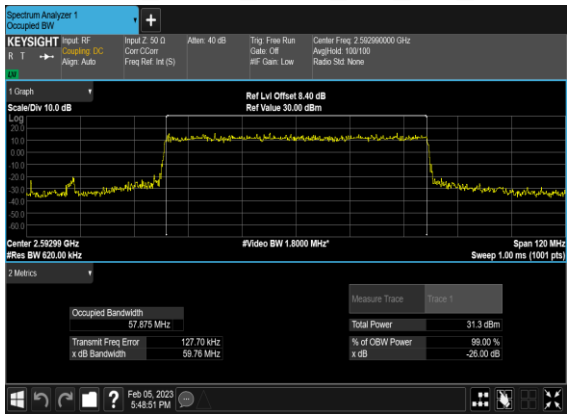
N41(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



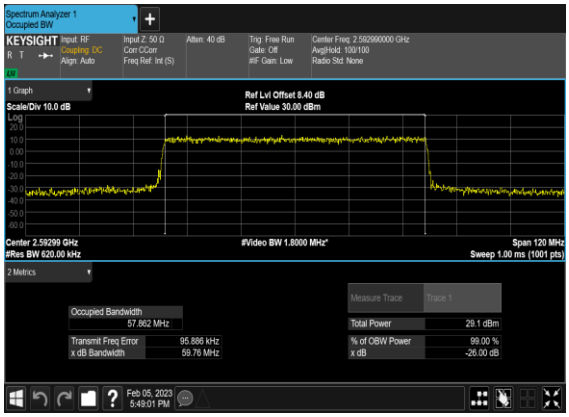
N41(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



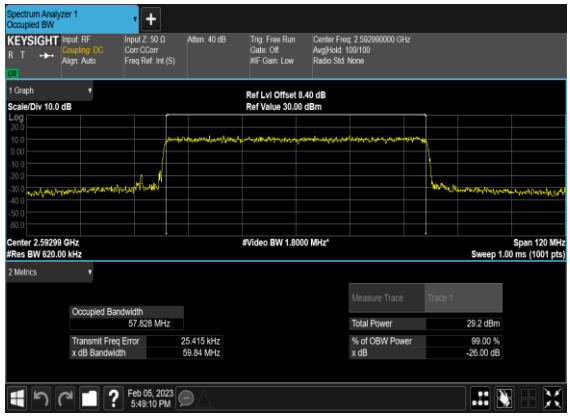
N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N41(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

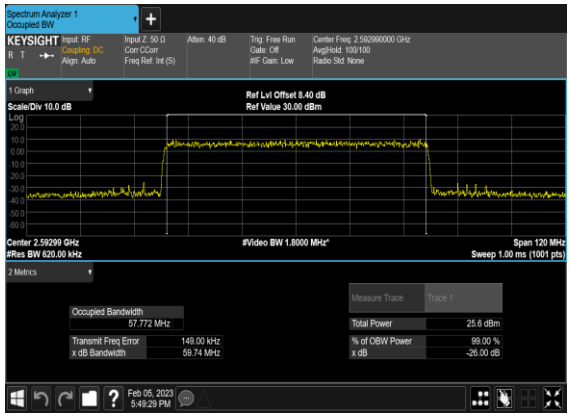


N41(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

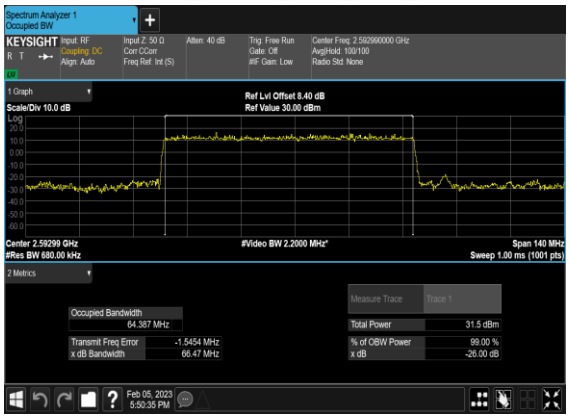


N41(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

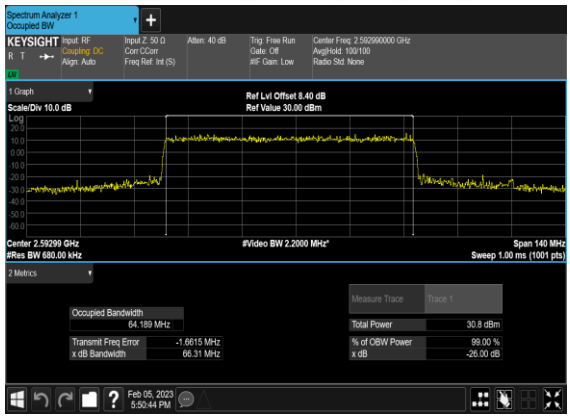
N41(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



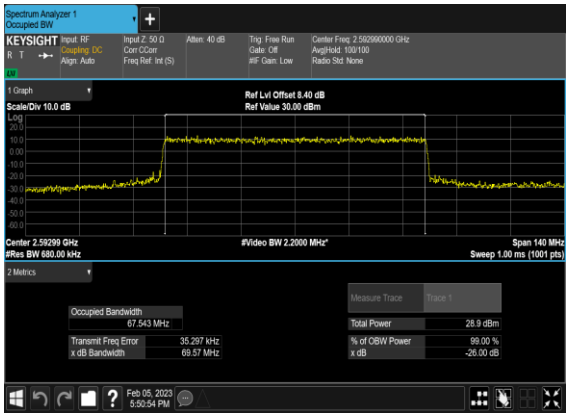
N41(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N41(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

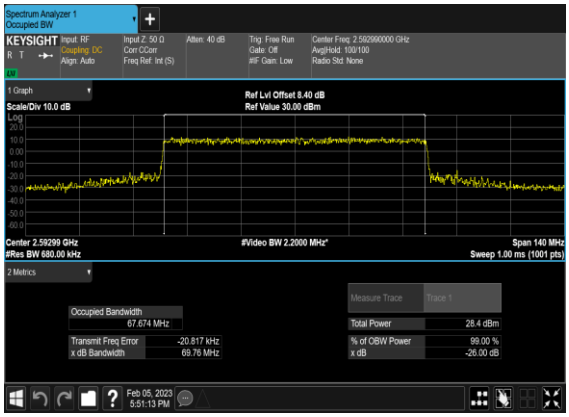


N41(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

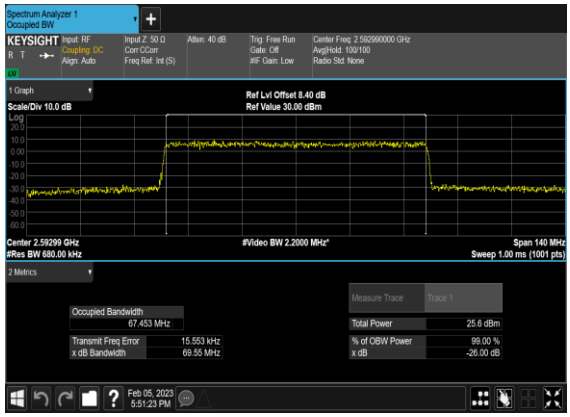


N41(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

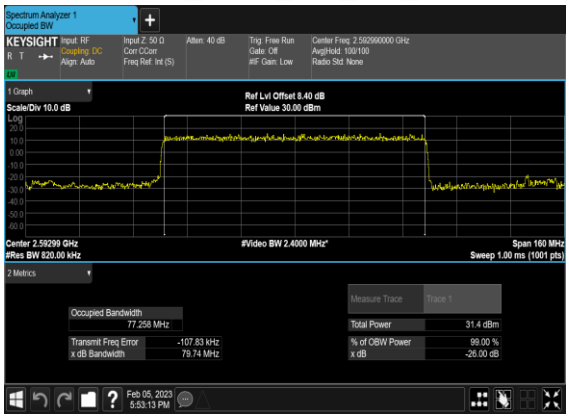
N41(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N41(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

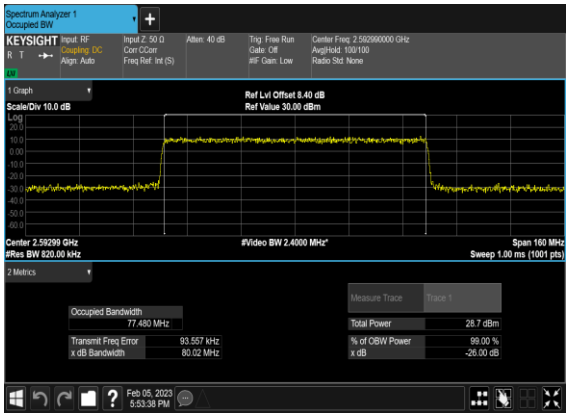


N41(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

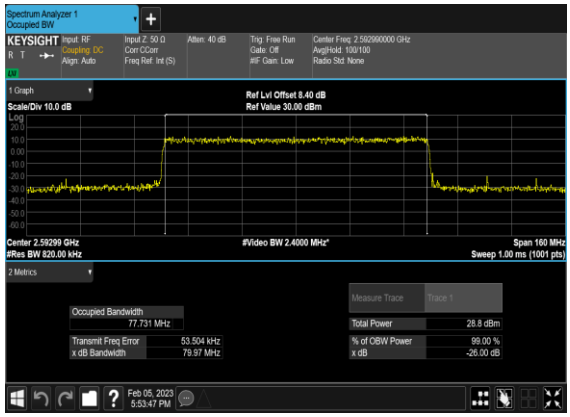


N41(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

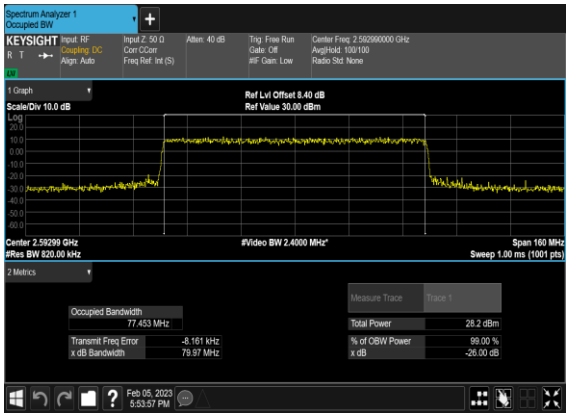
N41(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



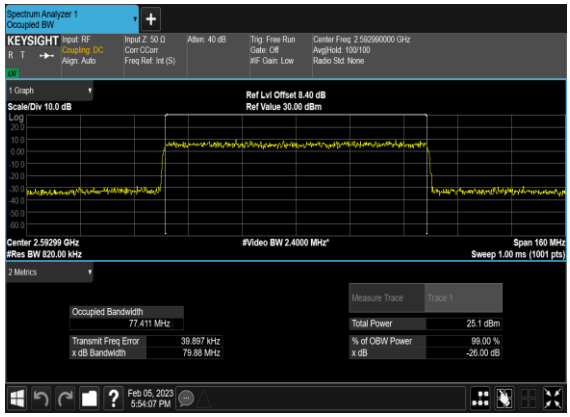
N41(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



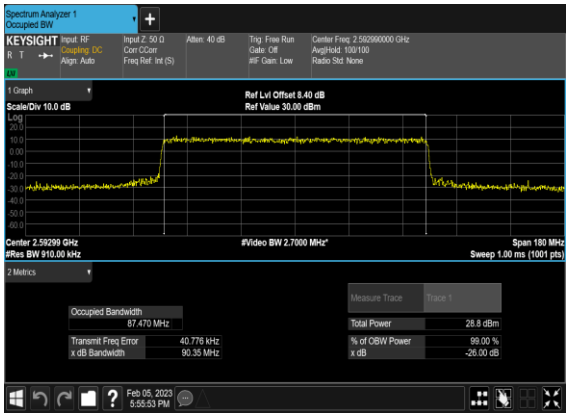
N41(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



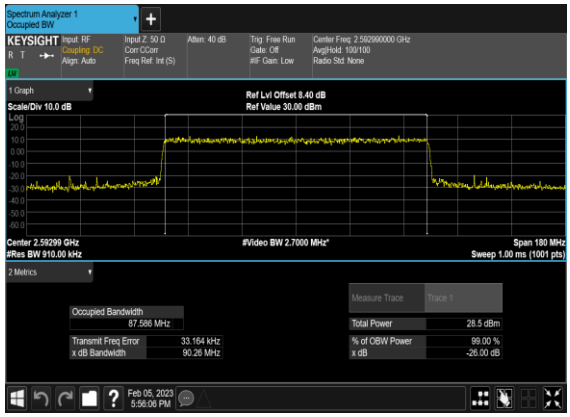
N41(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N41(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N41(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

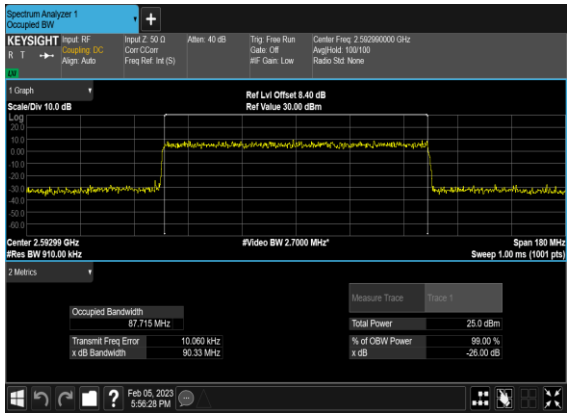


N41(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

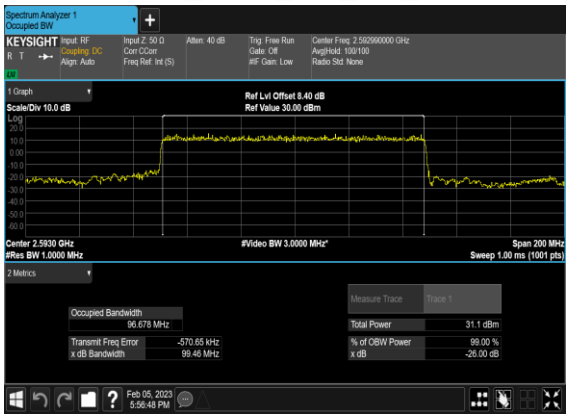


N41(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

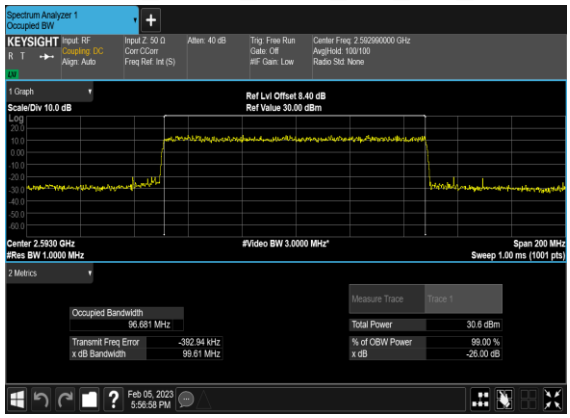
N41(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



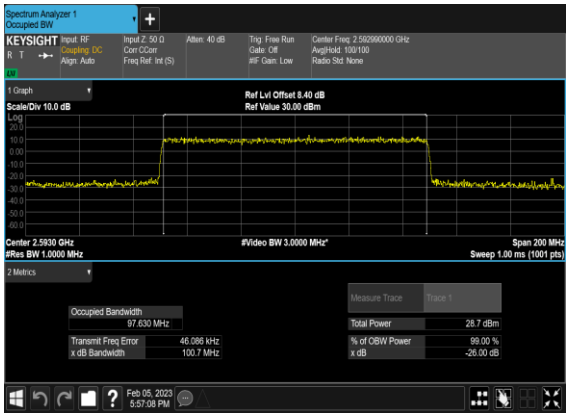
N41(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



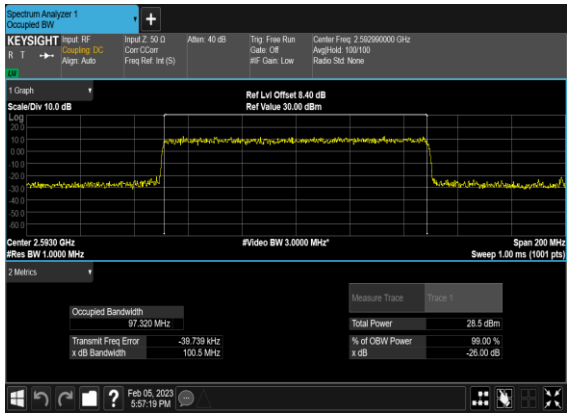
N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



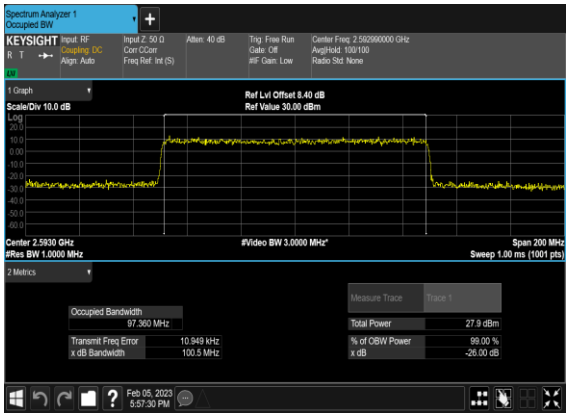
N41(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



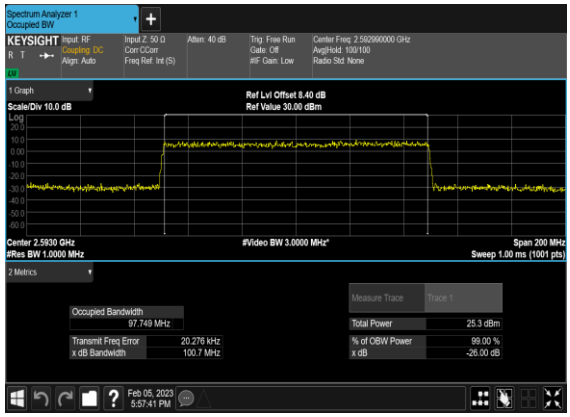
N41(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



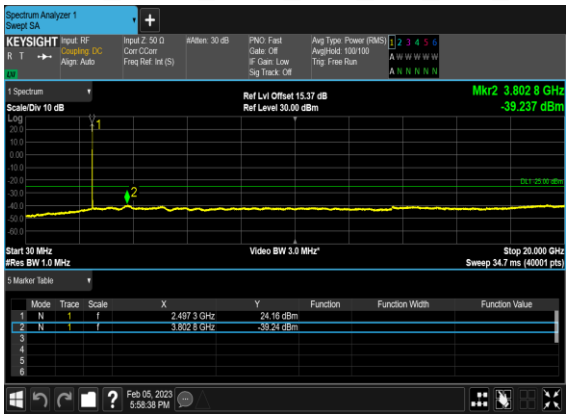
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	20	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	**---**

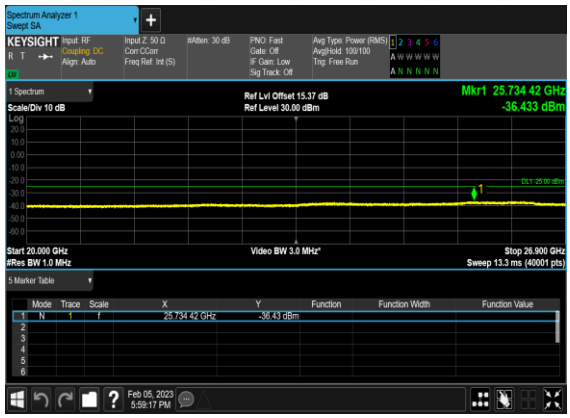
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	60	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**---**

41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

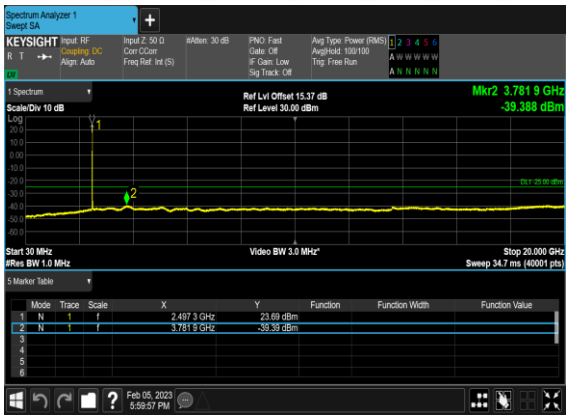
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



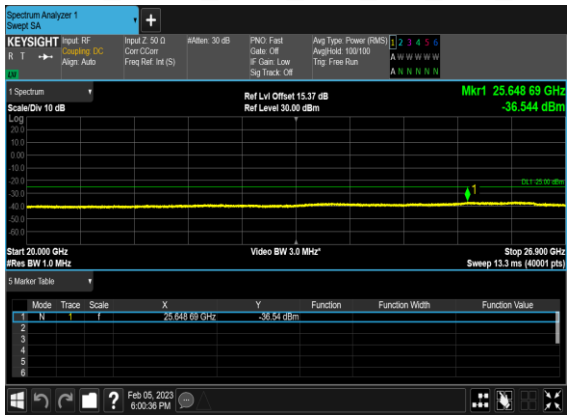
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



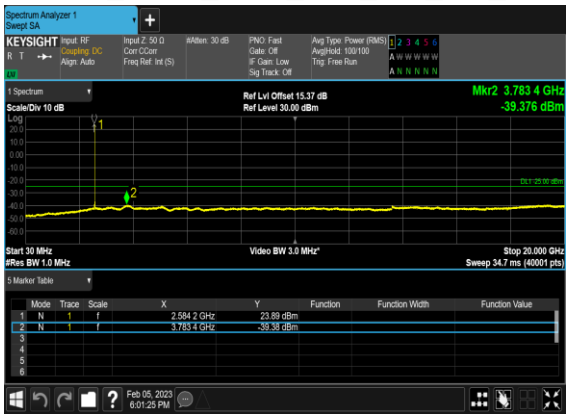
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



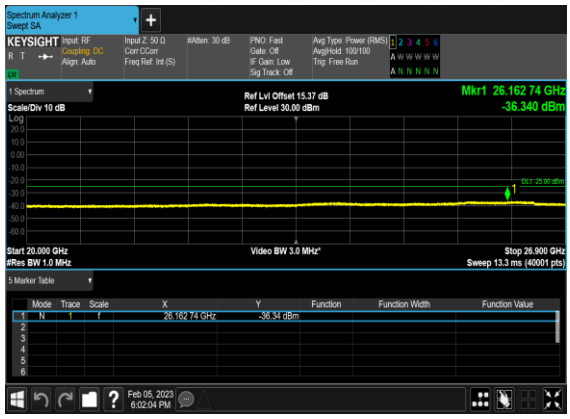
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



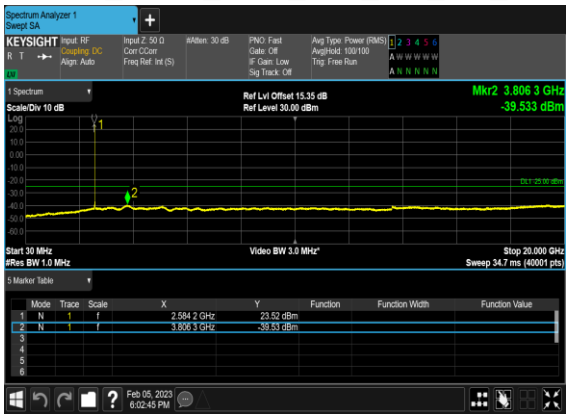
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



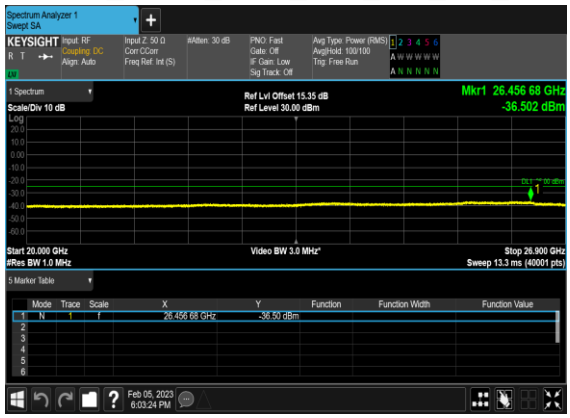
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



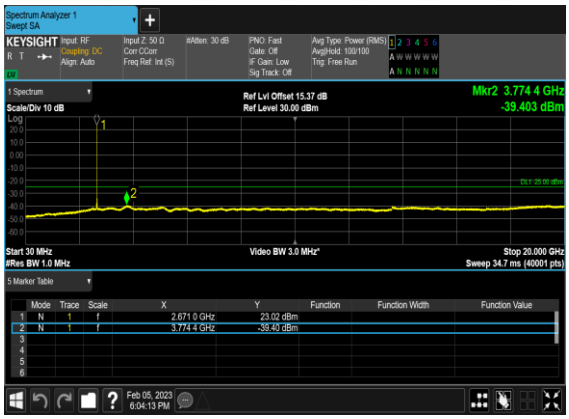
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



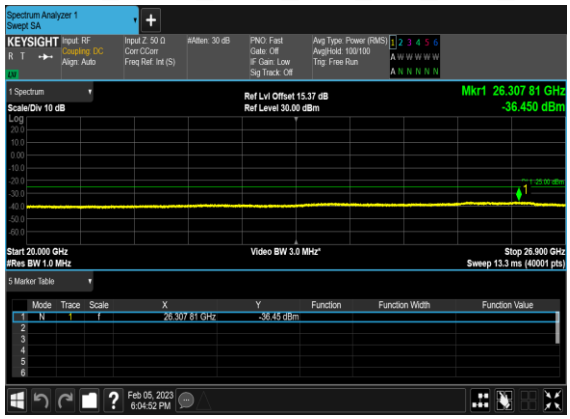
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



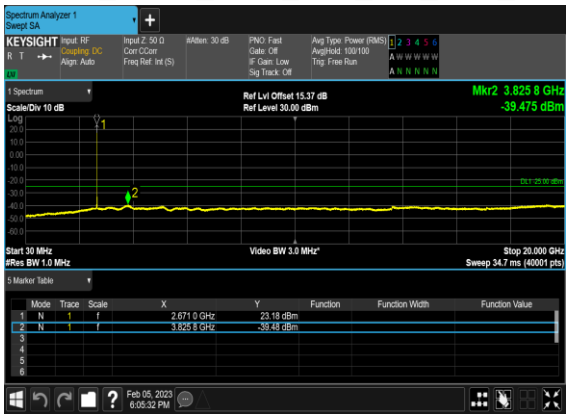
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



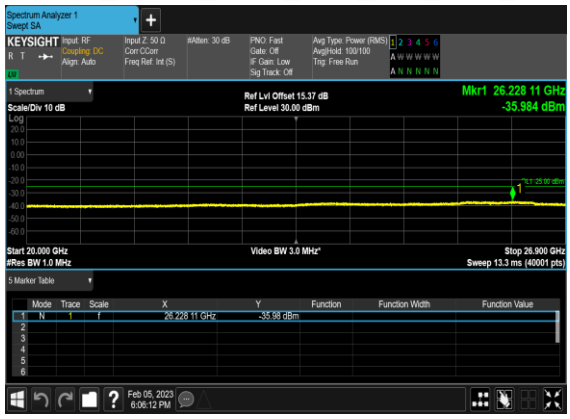
N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



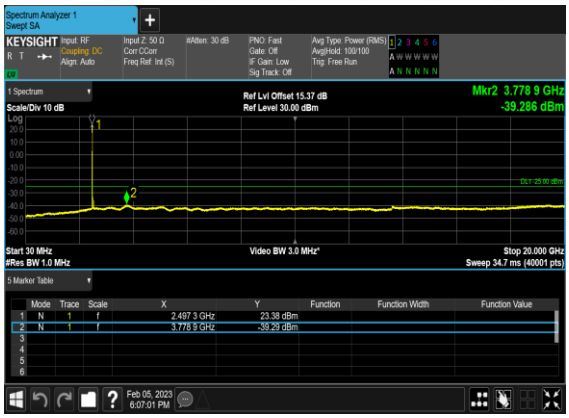
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



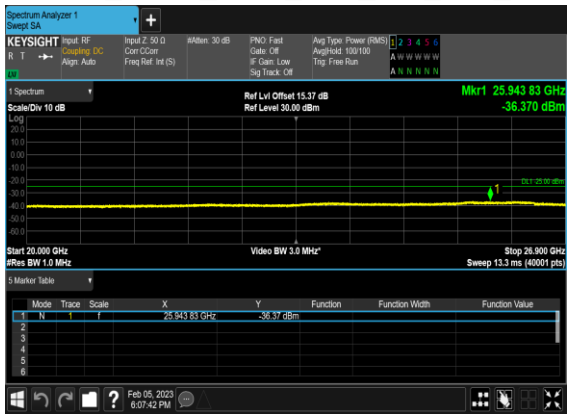
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



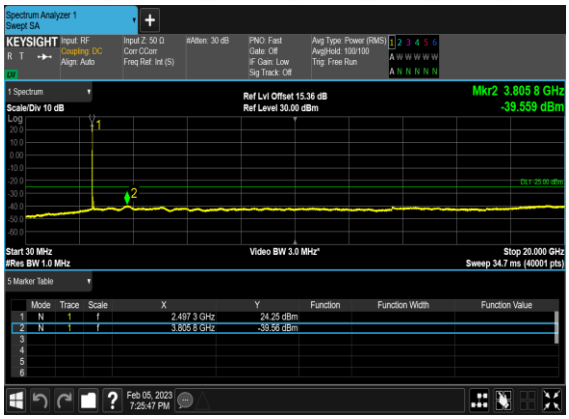
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



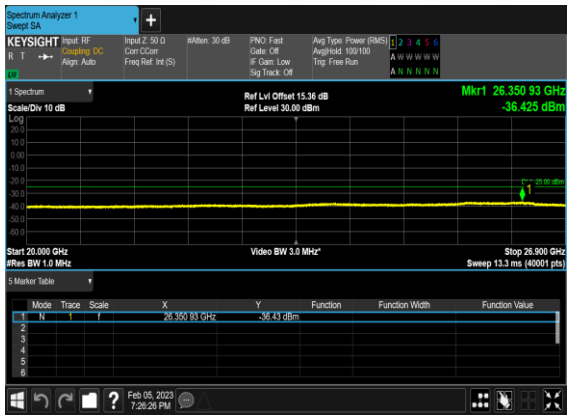
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



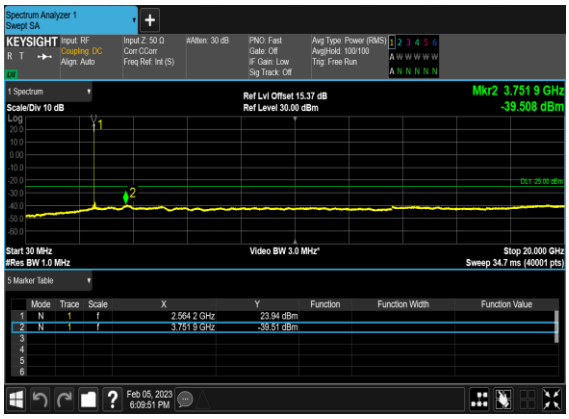
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



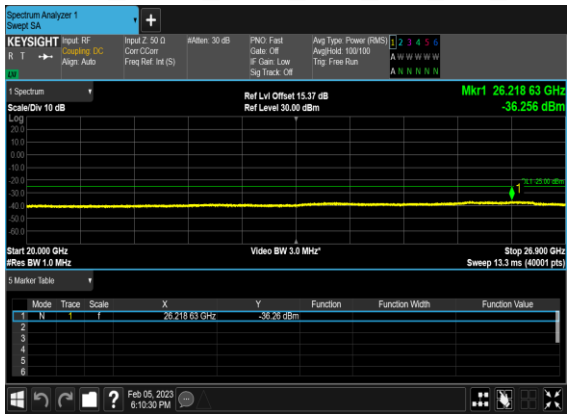
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



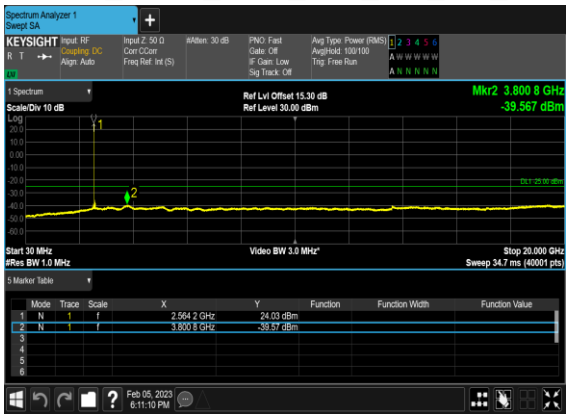
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



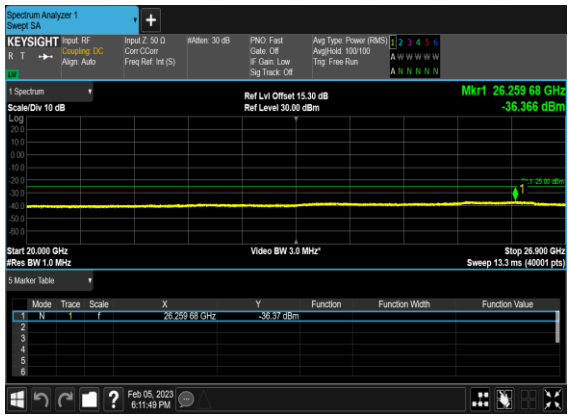
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



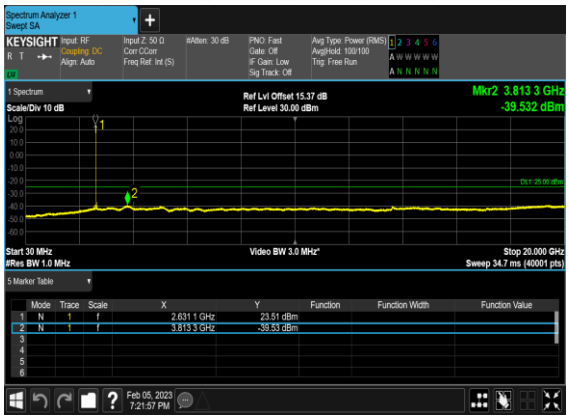
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



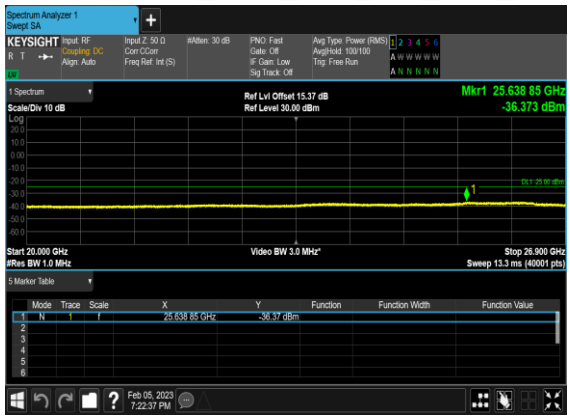
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



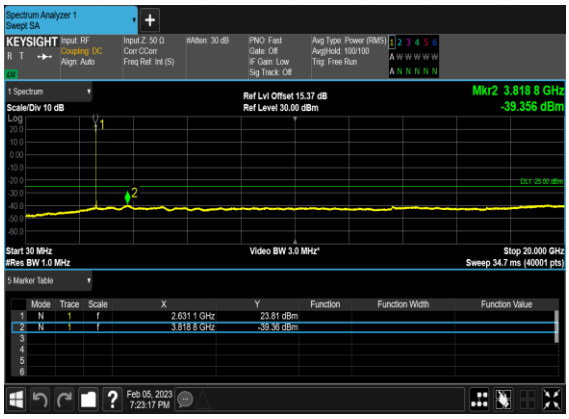
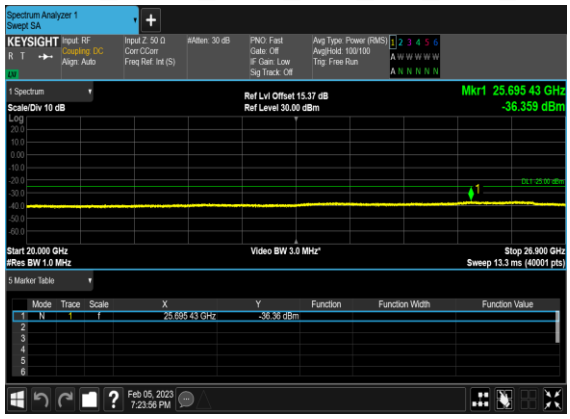
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH