NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@76	23.19	21.79	0.1510
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	50@25	24.12	22.72	0.1871
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	24.24	22.84	0.1923
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@104	24.15	22.75	0.1884
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	50@25	23.13	21.73	0.1489
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	23.34	21.94	0.1563
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@104	23.16	21.76	0.1500
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	50@25	24.12	22.72	0.1871
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.07	22.67	0.1849
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@104	24.01	22.61	0.1824
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	50@25	23.04	21.64	0.1459
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.08	21.68	0.1472
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@104	23	21.6	0.1445
41	30	40	534000	2670	DFT-s-OFDM QPSK	50@25	24.15	22.75	0.1884
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@1	24.15	22.75	0.1884
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@104	24.25	22.85	0.1928
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	50@25	23.2	21.8	0.1514
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	23.08	21.68	0.1472
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@104	23.25	21.85	0.1531
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	64@32	24.14	22.74	0.1879
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@1	24.29	22.89	0.1945
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@131	24.09	22.69	0.1858
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	64@32	23.06	21.66	0.1466
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@1	23.26	21.86	0.1535
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@131	23.11	21.71	0.1483
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	64@32	24.09	22.69	0.1858
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.24	22.84	0.1923
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@131	23.99	22.59	0.1816
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	64@32	23.09	21.69	0.1476
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.09	21.69	0.1476
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@131	23.05	21.65	0.1462
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	64@32	24.11	22.71	0.1866
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	24.07	22.67	0.1849
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@131	24.14	22.74	0.1879
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	64@32	23.15	21.75	0.1496
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	22.98	21.58	0.1439
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@131	23.32	21.92	0.1556
41	30	60	505200	2526	DFT-s-OFDM QPSK	81@40	24.12	22.72	0.1871

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@1	24.29	22.89	0.1945
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@160	24.02	22.62	0.1828
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	81@40	23.15	21.75	0.1496
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	23.25	21.85	0.1531
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@160	23.1	21.7	0.1479
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	81@40	24.01	22.61	0.1824
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	24	22.6	0.1820
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@160	24.12	22.72	0.1871
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	81@40	23.11	21.71	0.1483
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.04	21.64	0.1459
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@160	23.06	21.66	0.1466
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	81@40	24.15	22.75	0.1884
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	23.9	22.5	0.1778
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@160	24.24	22.84	0.1923
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	81@40	23.18	21.78	0.1507
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	22.88	21.48	0.1406
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@160	23.32	21.92	0.1556
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	108@54	24.13	22.73	0.1875
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	24.38	22.98	0.1986
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@215	24.12	22.72	0.1871
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	108@54	23.17	21.77	0.1503
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	23.3	21.9	0.1549
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@215	23.08	21.68	0.1472
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	108@54	24.07	22.67	0.1849
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.28	22.88	0.1941
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@215	24.22	22.82	0.1914
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	108@54	23.08	21.68	0.1472
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.15	21.75	0.1496
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@215	23.27	21.87	0.1538
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	108@54	24.17	22.77	0.1892
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	23.86	22.46	0.1762
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@215	24.33	22.93	0.1963
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	108@54	23.24	21.84	0.1528
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	22.86	21.46	0.1400
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@215	23.42	22.02	0.1592
41	30	90	508200	2541	DFT-s-OFDM QPSK	120@60	24.21	22.81	0.1910
41	30	90	508200	2541	DFT-s-OFDM QPSK	1@1	24.41	23.01	0.2000
41	30	90	508200	2541	DFT-s-OFDM QPSK	1@243	24.03	22.63	0.1832

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	120@60	23.17	21.77	0.1503
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@1	23.28	21.88	0.1542
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@243	23.01	21.61	0.1449
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	120@60	24.08	22.68	0.1854
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.31	22.91	0.1954
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@243	24.2	22.8	0.1905
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	120@60	23.09	21.69	0.1476
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.11	21.71	0.1483
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@243	23.25	21.85	0.1531
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	120@60	24.12	22.72	0.1871
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@1	23.74	22.34	0.1714
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@243	24.39	22.99	0.1991
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	120@60	23.18	21.78	0.1507
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@1	22.81	21.41	0.1384
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@243	23.33	21.93	0.1560
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	24.23	22.83	0.1919
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	24.3	22.9	0.1950
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	24.1	22.7	0.1862
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	23.24	21.84	0.1528
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	23.3	21.9	0.1549
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	23.15	21.75	0.1496
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	21.74	20.34	0.1081
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	21.82	20.42	0.1102
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	21.67	20.27	0.1064
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	19.79	18.39	0.0690
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	19.69	18.29	0.0675
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	19.43	18.03	0.0635
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	22.66	21.26	0.1337
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	22.84	21.44	0.1393
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	22.55	21.15	0.1303
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	24.02	22.62	0.1828
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.07	22.67	0.1849
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	24.44	23.04	0.2014
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	23.11	21.71	0.1483
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.07	21.67	0.1469
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	23.32	21.92	0.1556
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	21.6	20.2	0.1047
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	21.67	20.27	0.1064

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	21.95	20.55	0.1135
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	19.66	18.26	0.0670
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	19.45	18.05	0.0638
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	19.72	18.32	0.0679
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	22.51	21.11	0.1291
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	22.58	21.18	0.1312
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	22.8	21.4	0.1380
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	24.09	22.69	0.1858
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	23.92	22.52	0.1786
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	24.37	22.97	0.1982
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	23.2	21.8	0.1514
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	22.9	21.5	0.1413
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	23.44	22.04	0.1600
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	21.66	20.26	0.1062
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	21.47	20.07	0.1016
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	21.97	20.57	0.1140
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	19.74	18.34	0.0682
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	19.28	17.88	0.0614
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	19.87	18.47	0.0703
41	30	100	528000	2640	CP-OFDM QPSK	137@68	22.6	21.2	0.1318
41	30	100	528000	2640	CP-OFDM QPSK	1@1	22.42	21.02	0.1265
41	30	100	528000	2640	CP-OFDM QPSK	1@271	22.8	21.4	0.1380

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	16.8	**PASS**	NV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	19.2	**PASS**	LV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	18.8	**PASS**	HV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	14.9	**PASS**	-30℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	11.5	**PASS**	-20℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	17.1	**PASS**	-10℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	17.3	**PASS**	0℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	12.9	**PASS**	10℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	16.8	**PASS**	20℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	15.5	**PASS**	30℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	12.7	**PASS**	40℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	16.7	**PASS**	50℃

|MAX(△f)| = 19.2 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
fL – |MAX(△f)|	2496.869181	≧ 2496 MHz	PASS
fH + |MAX(△f)|	2688.701319	≦ 2690 MHz	

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	5.64	13	**PASS**

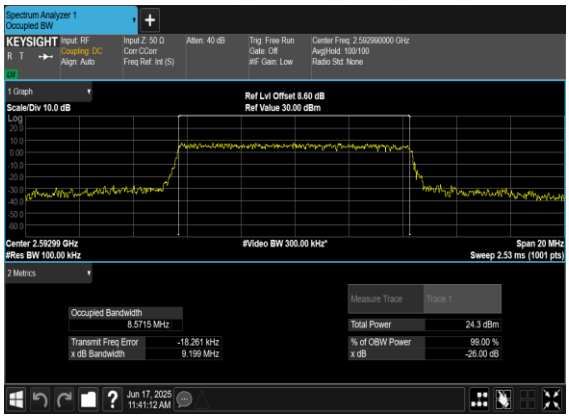
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth

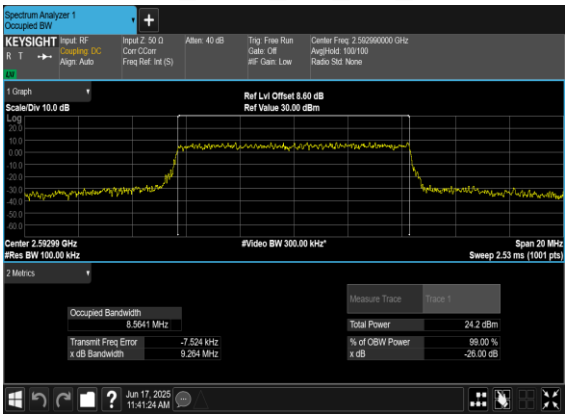
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.5715	9.199
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.5641	9.264
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.5587	9.203
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5765	9.132
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.583	14.37
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.553	14.31
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.599	14.36
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.563	14.38
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.193	18.93
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.246	19.04
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.204	18.87
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.151	19.02
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.873	29.04
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.801	29.25
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.736	29.13
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.807	29.21
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.828	39.07
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.752	39.11
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.784	39.2
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.74	39.14
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.494	48.96
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.583	49.27

41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.47	49.0
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.413	49.07
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.784	59.83
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.681	59.65
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.862	59.63
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.709	59.71
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.579	79.91
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.645	79.96
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.54	79.9
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.394	79.86
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.234	90.32
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.343	90.26
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.473	90.21
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.516	90.39
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.39	100.4
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.376	100.4
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.662	100.4
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.254	100.5

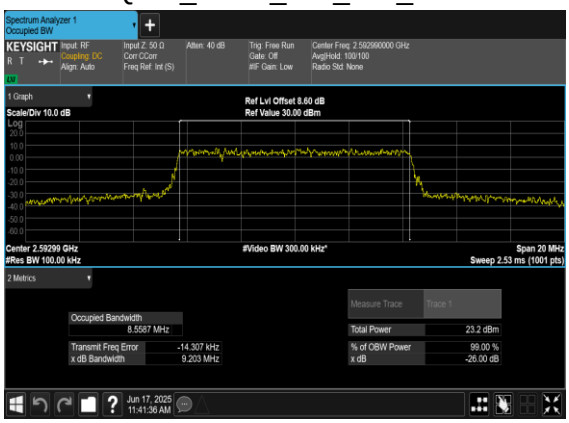
N41(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



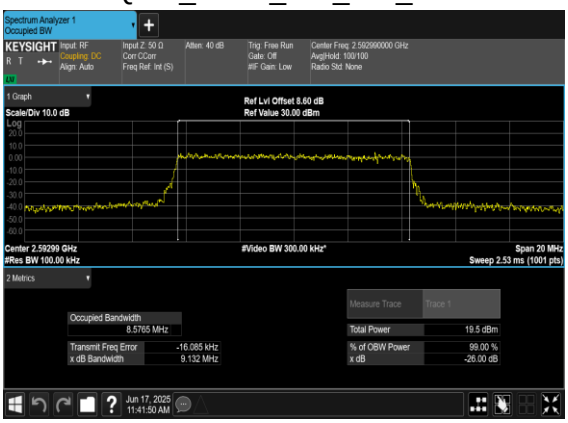
N41(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



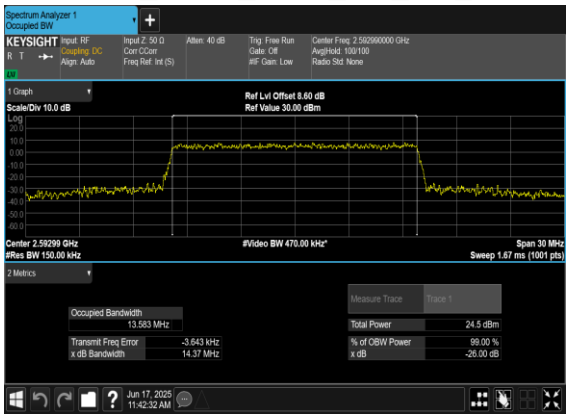
N41(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N41(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

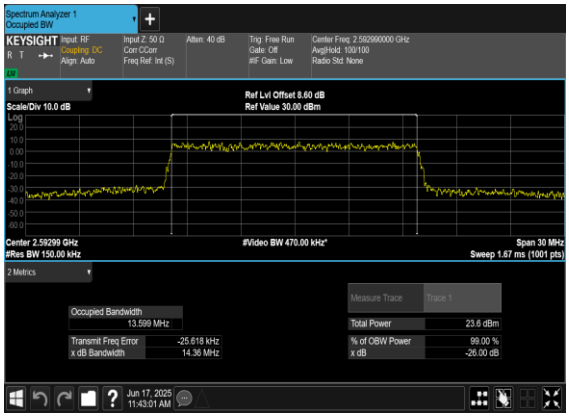


N41(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

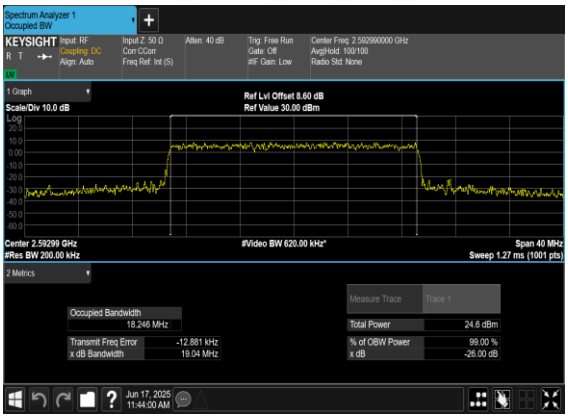
N41(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



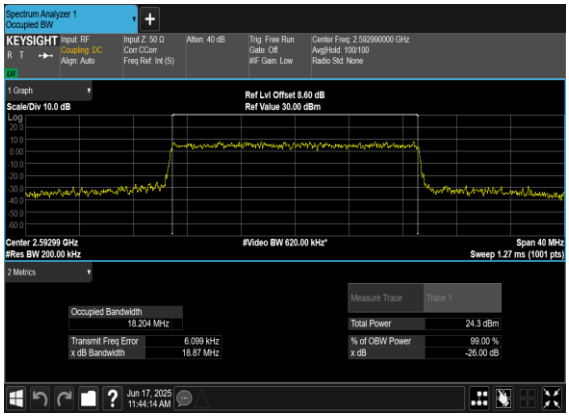
N41(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N41(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

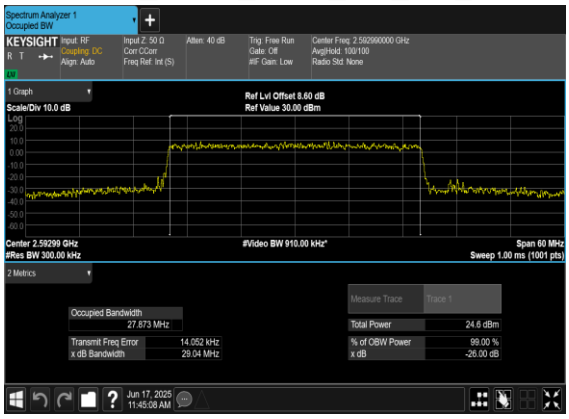


N41(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



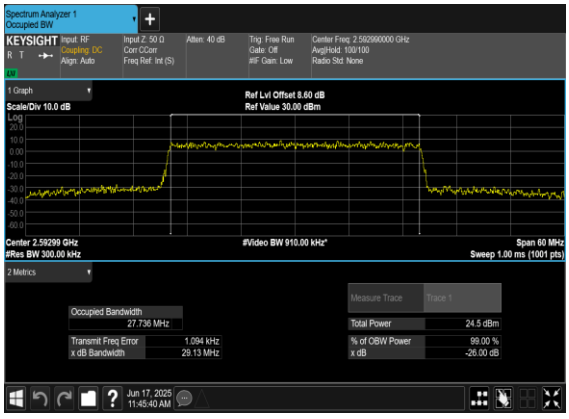
N41(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N41(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

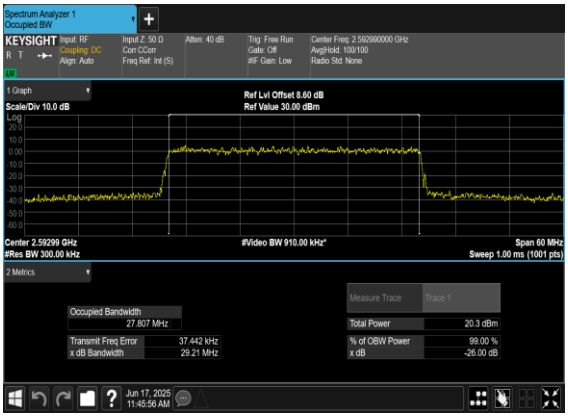


N41(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

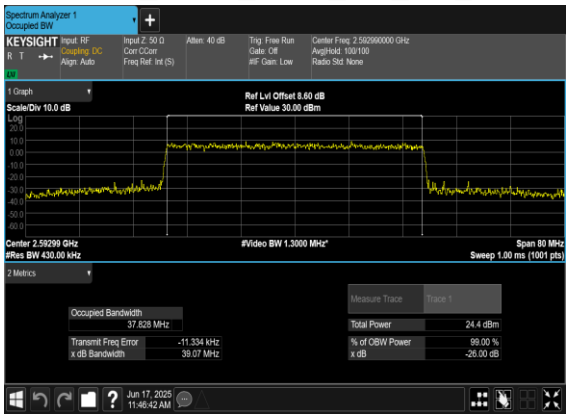
N41(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



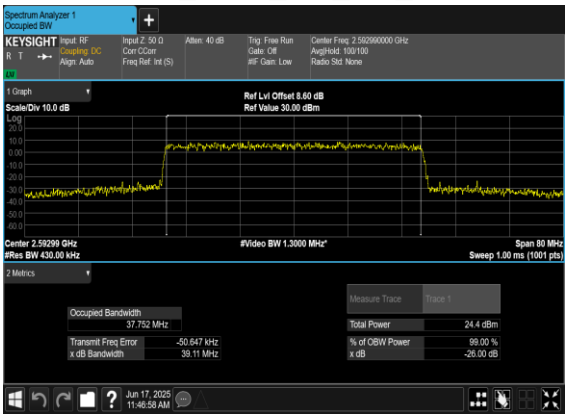
N41(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



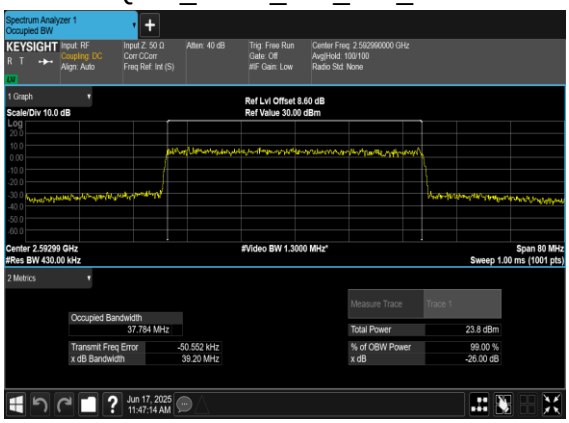
N41(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



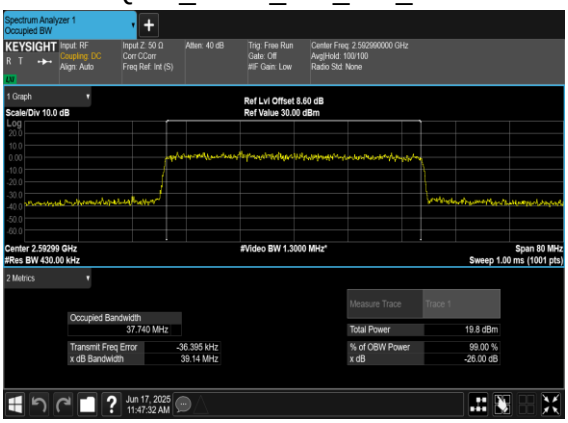
N41(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



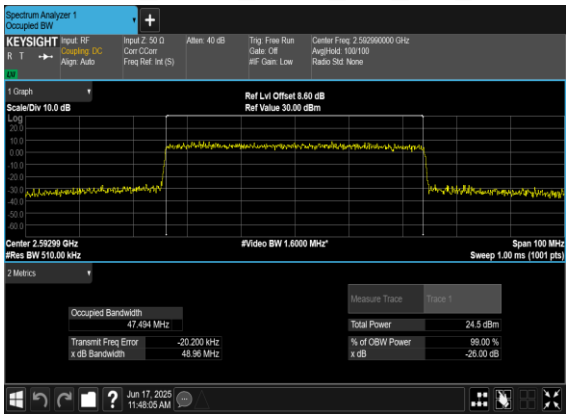
N41(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



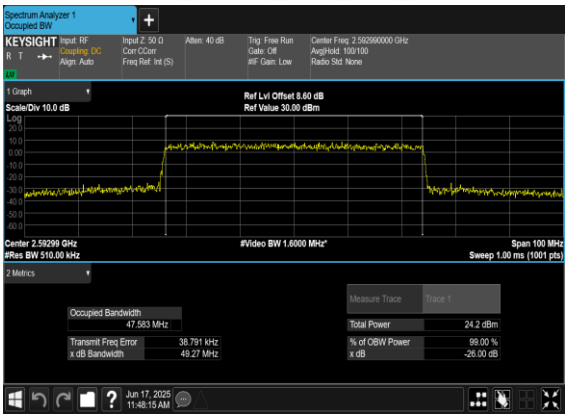
N41(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



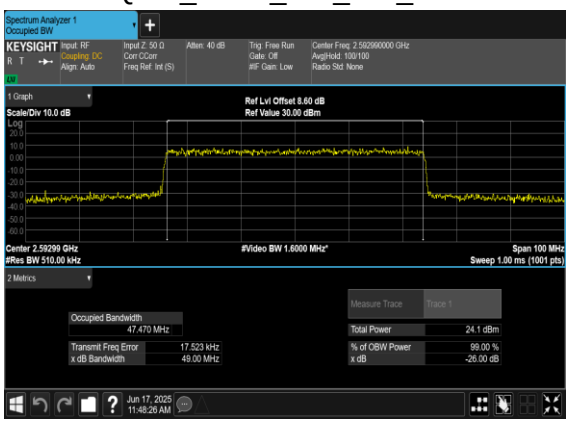
N41(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



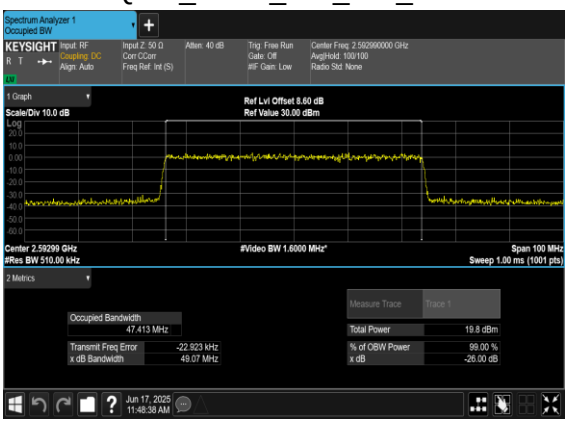
N41(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



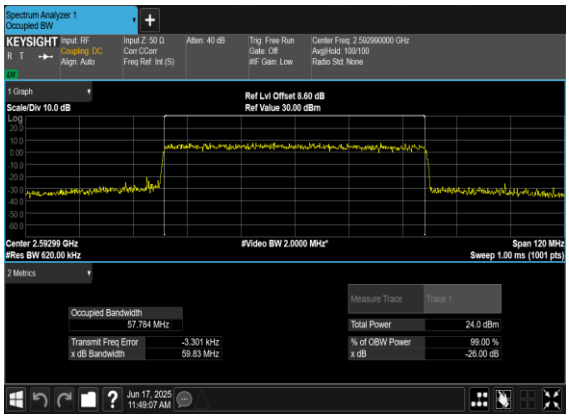
N41(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N41(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

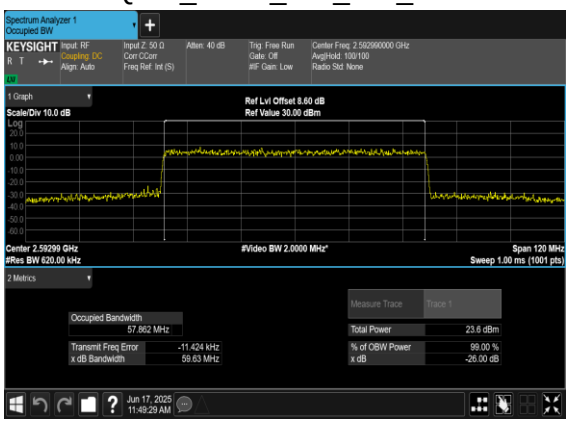


N41(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

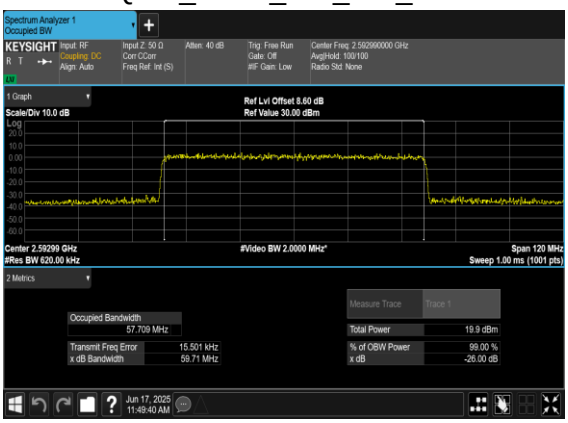


N41(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

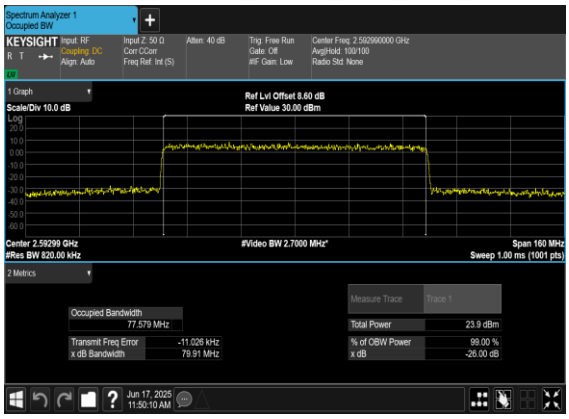
N41(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



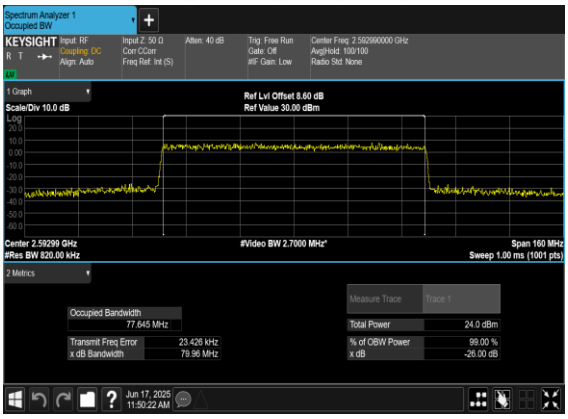
N41(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



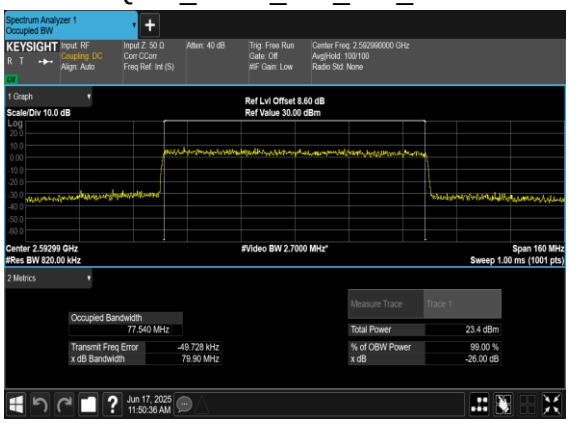
N41(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



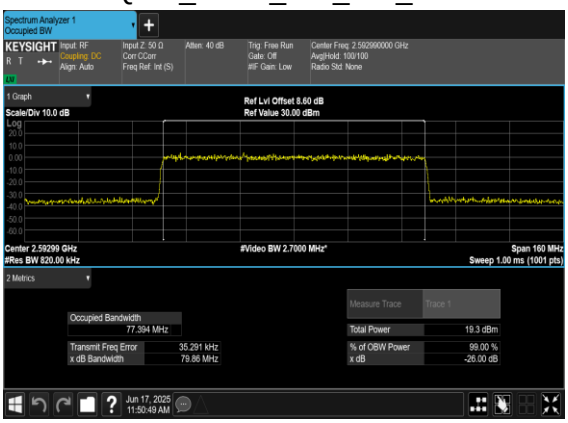
N41(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



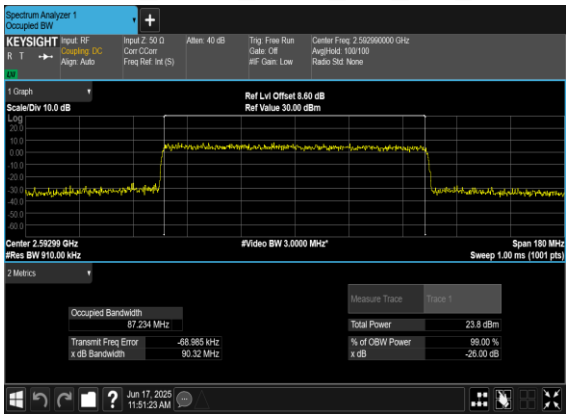
N41(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



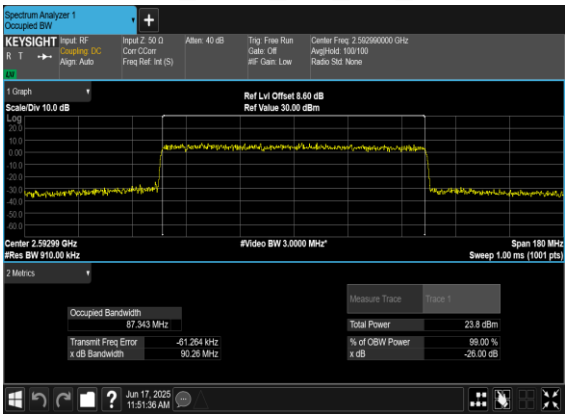
N41(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



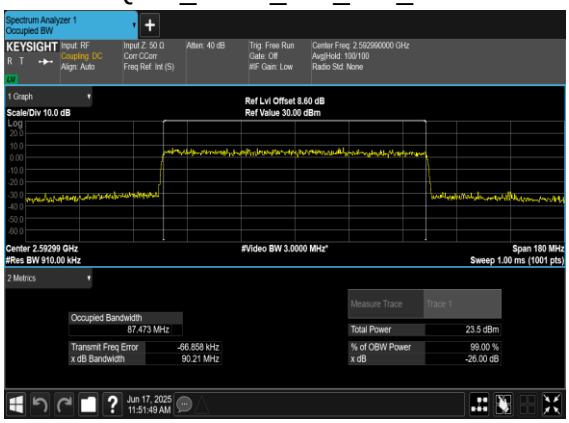
N41(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



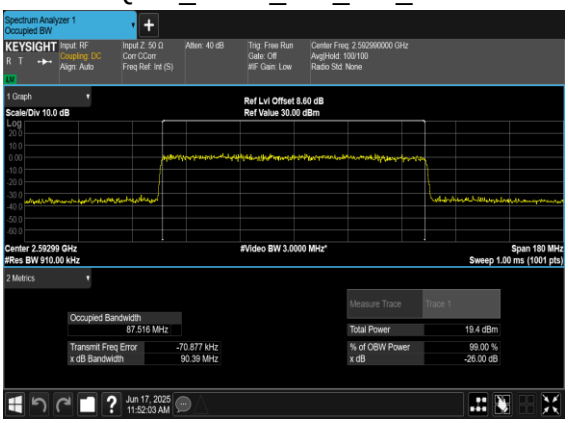
N41(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



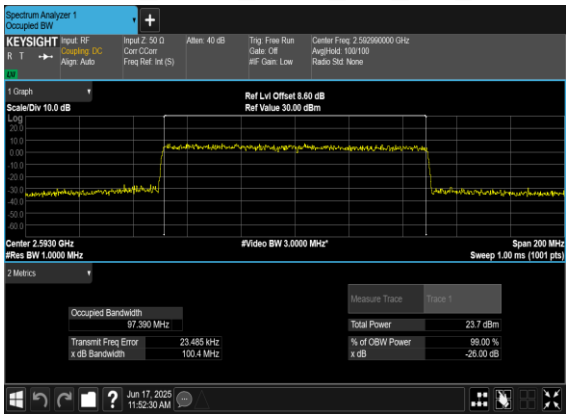
N41(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



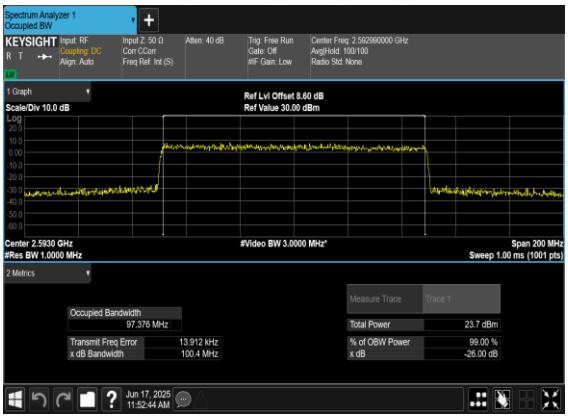
N41(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

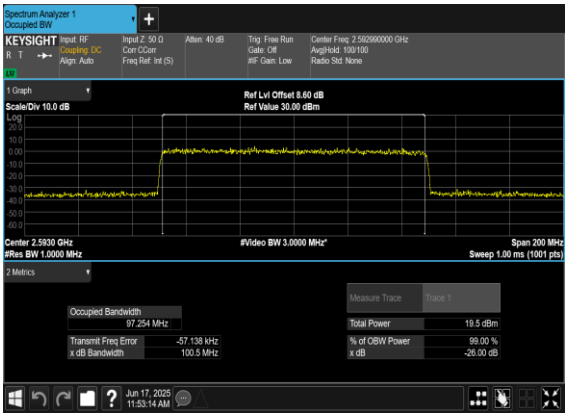


N41(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N41(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

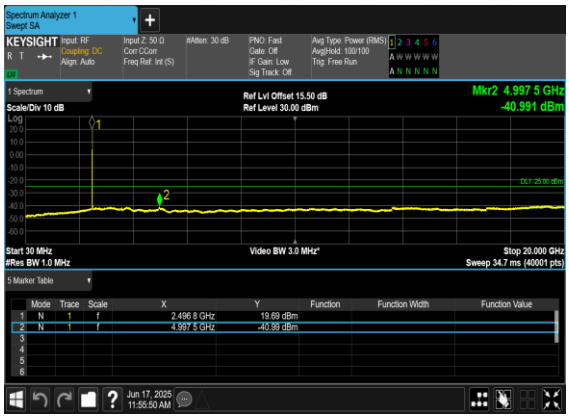


Conducted Spurious Emissions

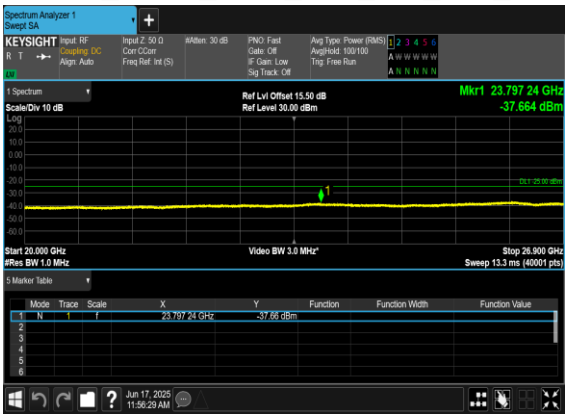
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	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 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 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**

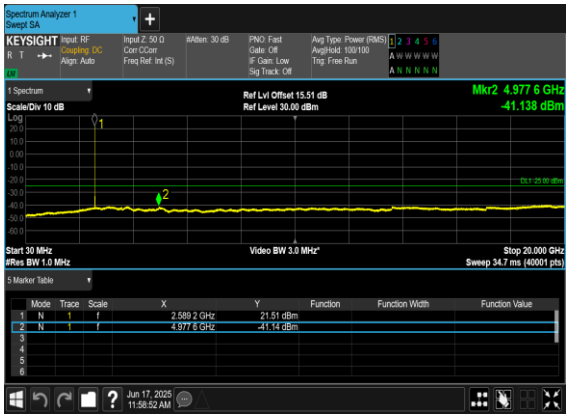
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



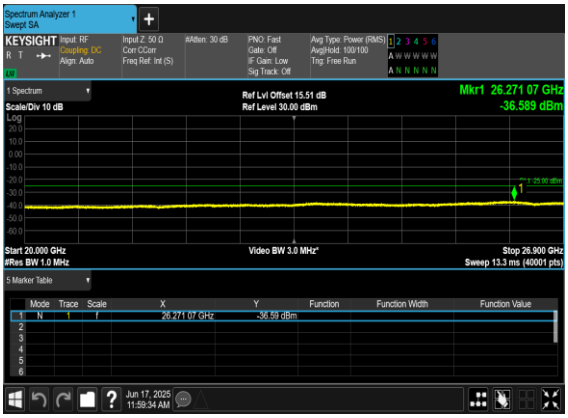
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



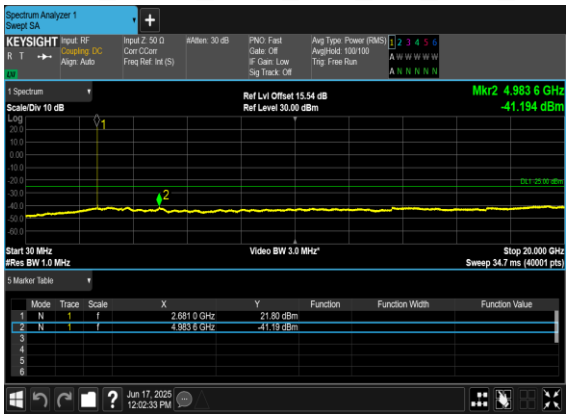
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



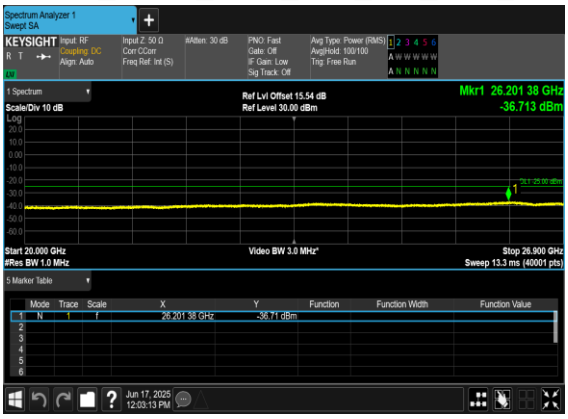
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



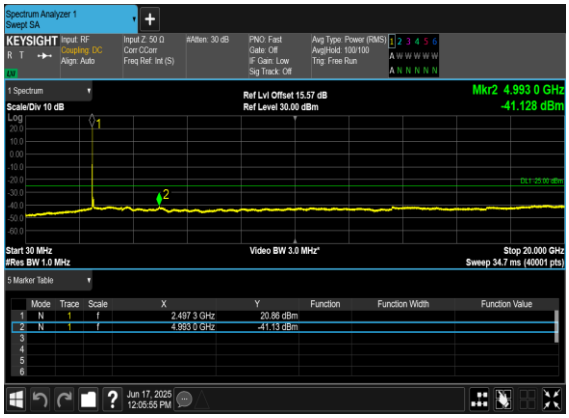
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



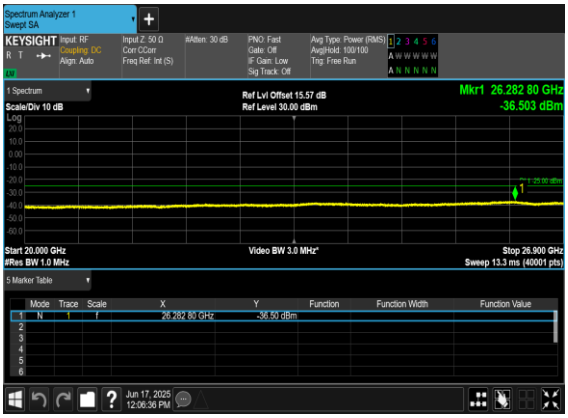
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



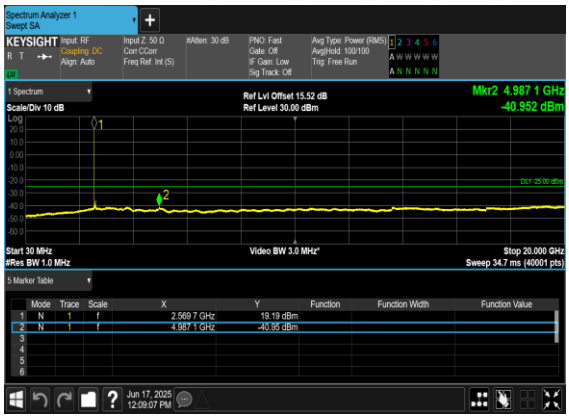
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



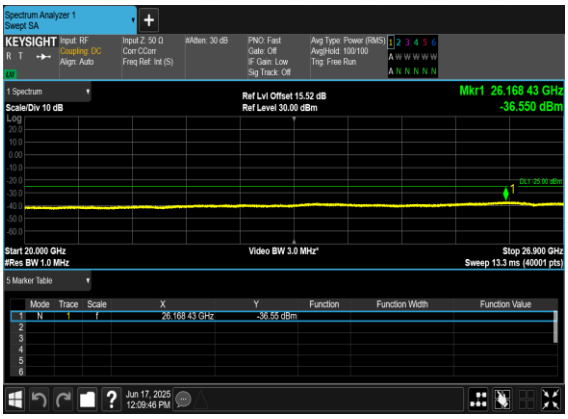
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



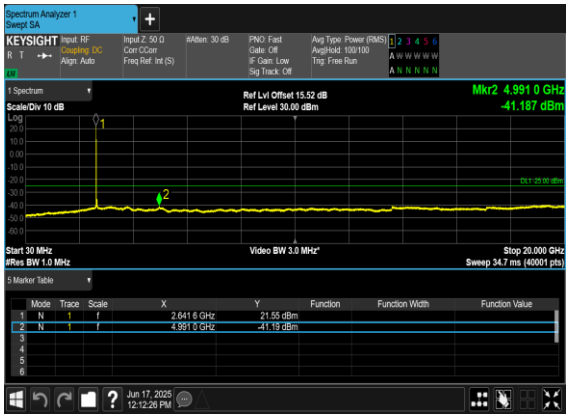
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



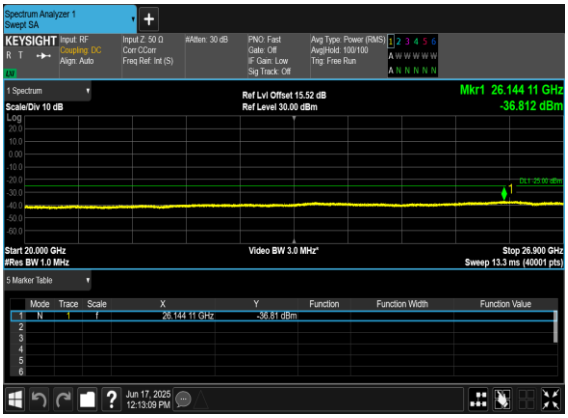
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



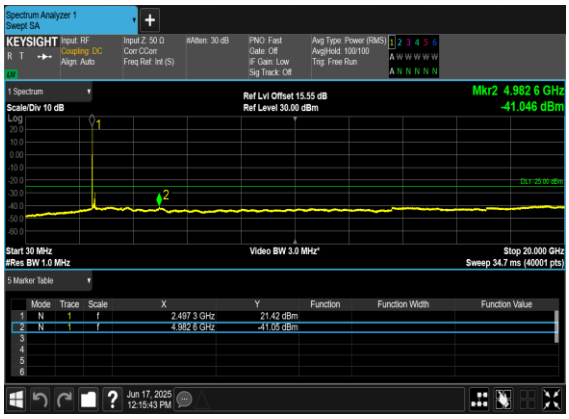
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



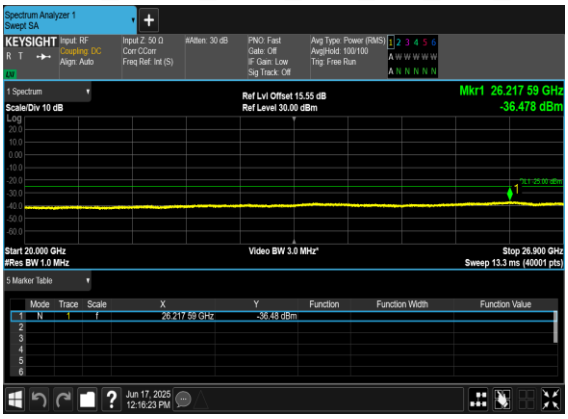
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



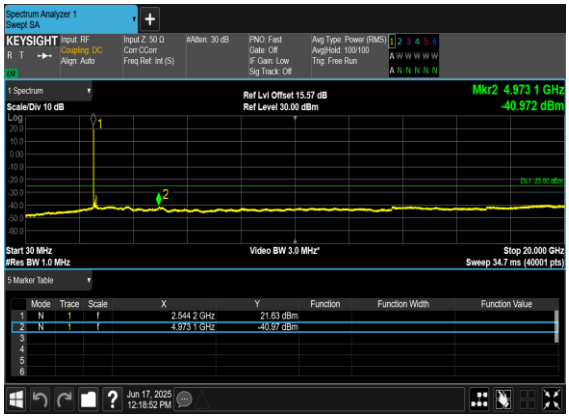
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



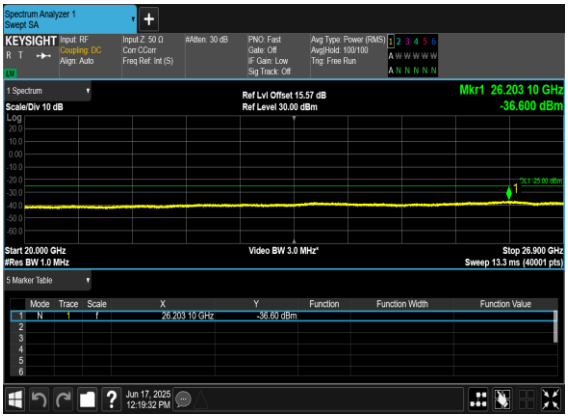
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



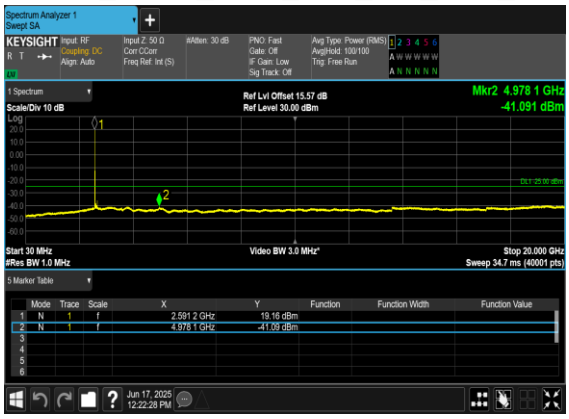
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



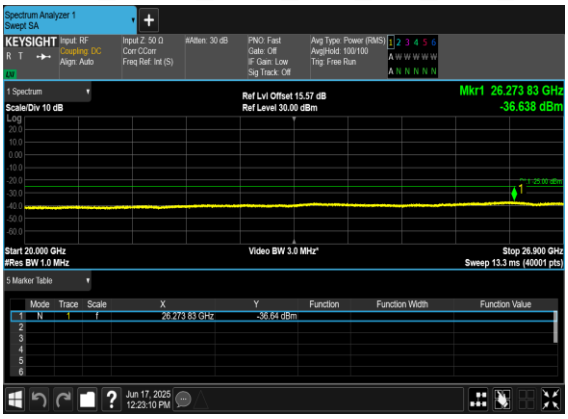
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



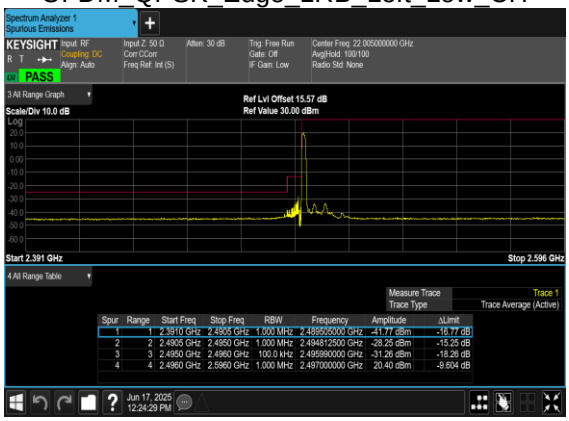
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



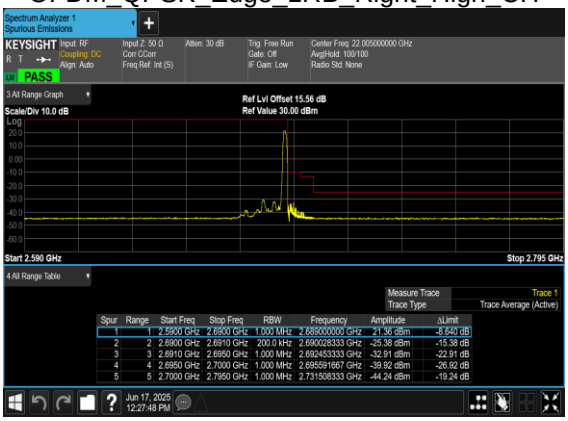
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@23	see graph	**PASS**
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
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	270@0	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

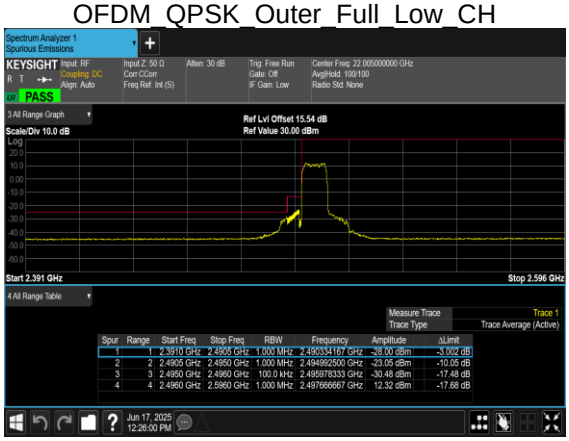
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



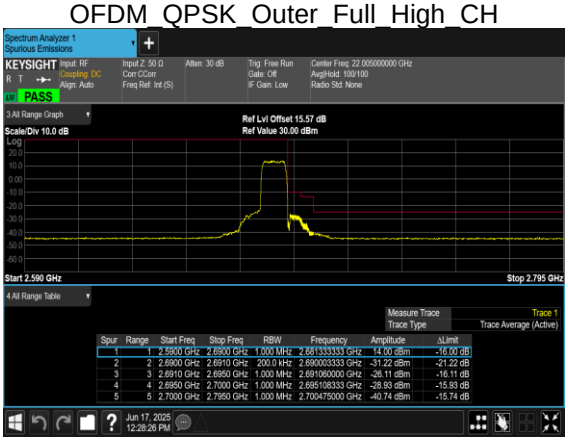
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



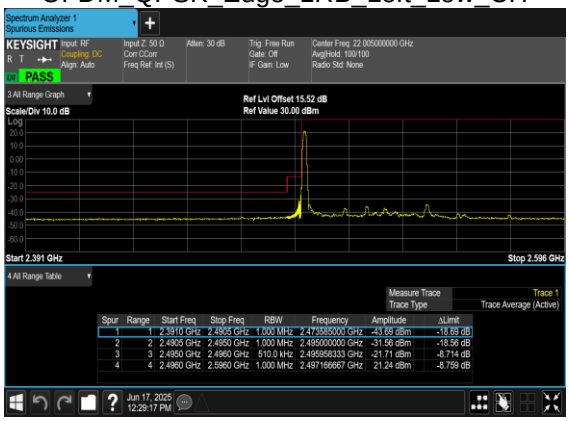
N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



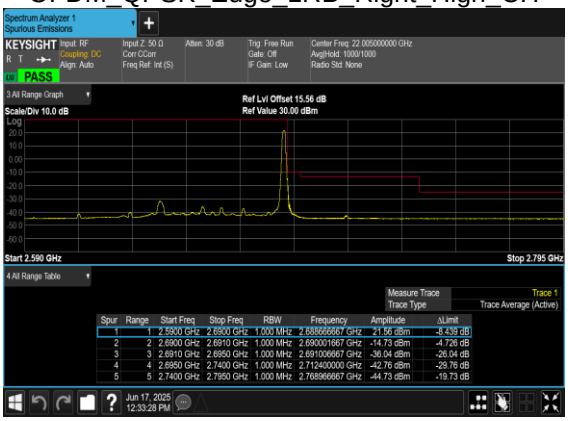
N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



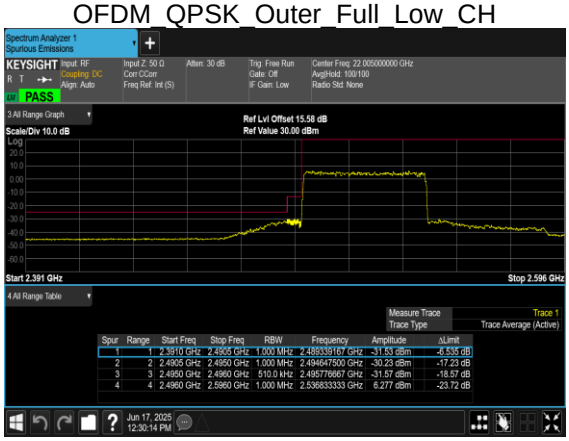
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



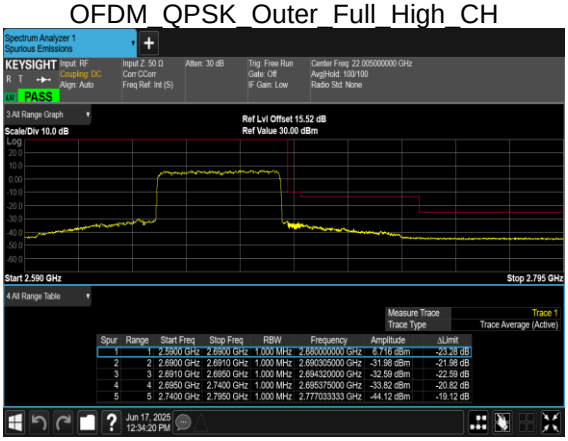
N41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



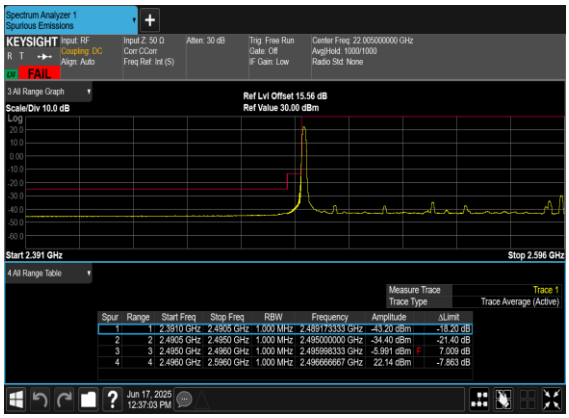
N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



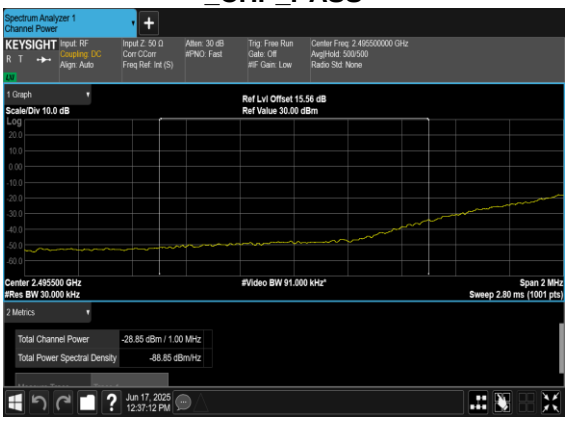
N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



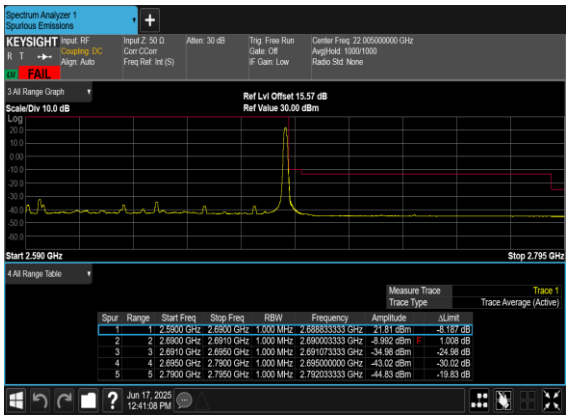
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



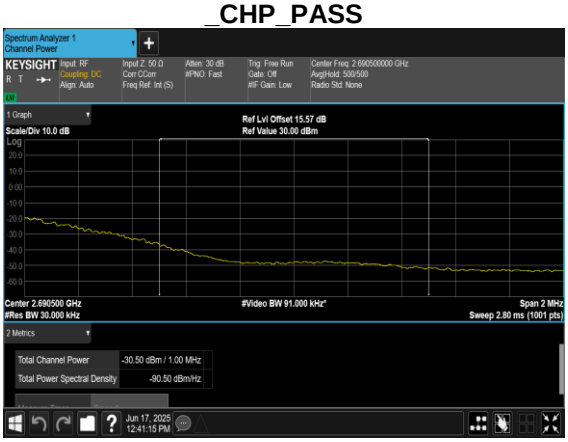
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



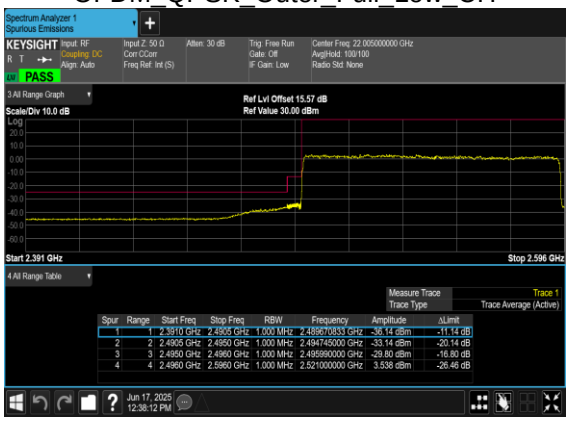
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



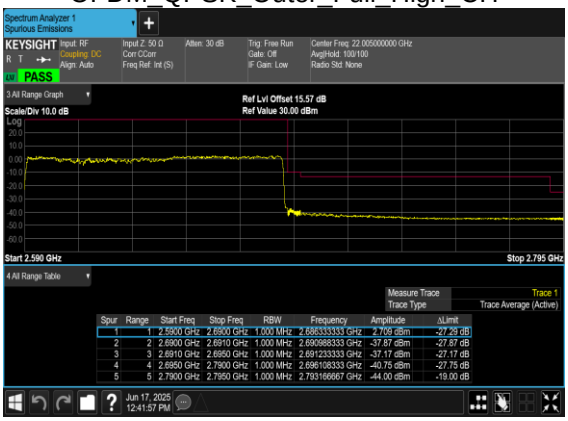
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	Temperature :	22~25℃
		Relative Humidity :	48~52%

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

n7 SA / NR 50MHz / QPSK(ANT4)									
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	5022.00	-58.69	-25	-33.69	-80.52	-64.25	7.14	12.70	H
	7533.00	-55.30	-25	-30.30	-81.12	-58.60	8.30	11.60	H
	10044.00	-51.65	-25	-26.65	-81.85	-53.17	10.48	12.00	H
	5022.00	-58.21	-25	-33.21	-80.13	-63.77	7.14	12.70	V
	7533.00	-55.02	-25	-30.02	-80.82	-58.32	8.30	11.60	V
	10044.00	-53.15	-25	-28.15	-81.79	-54.67	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n7A / LTE 10MHz + NR 50MHz / QPSK (ANT3+4)									
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	5022.00	-58.49	-25	-33.49	-80.32	-64.05	7.14	12.70	H
	7533.00	-54.76	-25	-29.76	-80.58	-58.06	8.30	11.60	H
	10044.00	-51.85	-25	-26.85	-82.05	-53.37	10.48	12.00	H
	5022.00	-58.40	-25	-33.40	-80.32	-63.96	7.14	12.70	V
	7533.00	-54.79	-25	-29.79	-80.59	-58.09	8.30	11.60	V
	10044.00	-53.32	-25	-28.32	-81.96	-54.84	10.48	12.00	V
LTE Band7 Middle	5061.00	-58.33	-25	-33.33	-80.09	-63.89	7.14	12.70	H
	7591.50	-54.47	-25	-29.47	-80.16	-57.77	8.30	11.60	H
	10122.00	-51.72	-25	-26.72	-81.87	-53.24	10.48	12.00	H
	5061.00	-58.51	-25	-33.51	-80.41	-64.07	7.14	12.70	V
	7591.50	-54.80	-25	-29.80	-80.44	-58.10	8.30	11.60	V
	10122.00	-52.63	-25	-27.63	-81.41	-54.15	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n41 SA / NR 100MHz / QPSK(ANT4)									
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	5090.00	-58.24	-25	-33.24	-79.94	-63.80	7.14	12.70	H
	7635.00	-54.84	-25	-29.84	-80.59	-58.14	8.30	11.60	H
	10180.00	-51.24	-25	-26.24	-81.36	-52.76	10.48	12.00	H
	5090.00	-58.19	-25	-33.19	-80.07	-63.75	7.14	12.70	V
	7635.00	-54.89	-25	-29.89	-80.56	-58.19	8.30	11.60	V
	10180.00	-52.93	-25	-27.93	-81.8	-54.45	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_26A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT0+4)									
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 n41 Middle	5090.00	-58.14	-25	-33.14	-79.84	-63.70	7.14	12.70	H
	7635.00	-54.30	-25	-29.30	-80.05	-57.60	8.30	11.60	H
	10180.00	-51.31	-25	-26.31	-81.43	-52.83	10.48	12.00	H
	5090.00	-58.03	-25	-33.03	-79.91	-63.59	7.14	12.70	V
	7635.00	-54.53	-25	-29.53	-80.2	-57.83	8.30	11.60	V
	10180.00	-52.60	-25	-27.60	-81.47	-54.12	10.48	12.00	V
LTE Band26 Middle	1664	-64.61	-13	-51.61	-74.17	-67.86	4.00	9.40	H
	2496	-53.85	-13	-40.85	-67.70	-57.42	4.88	10.60	H
	3328	-61.48	-13	-48.48	-77.23	-66.41	5.52	12.60	H
	1664	-65.33	-13	-52.33	-74.49	-68.58	4.00	9.40	V
	2496	-52.07	-13	-39.07	-65.88	-55.64	4.88	10.60	V
	3328	-61.77	-13	-48.77	-77.28	-66.70	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.