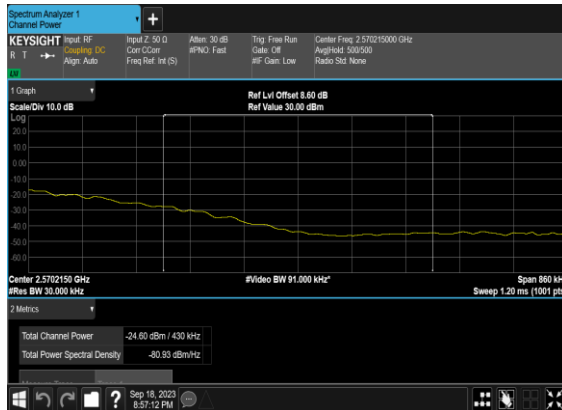
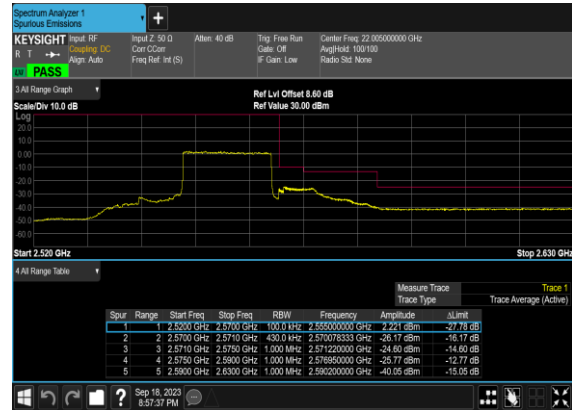


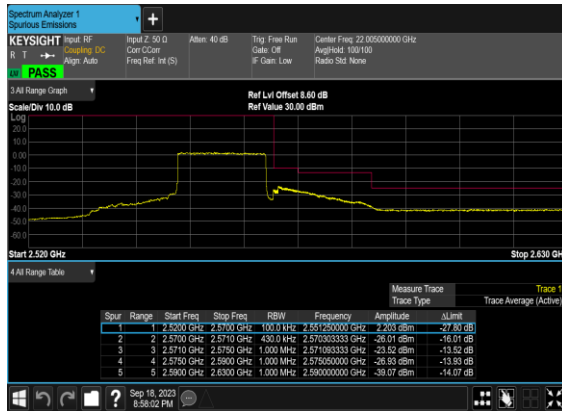
N7(20M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH CHP _PASS



N7(20M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



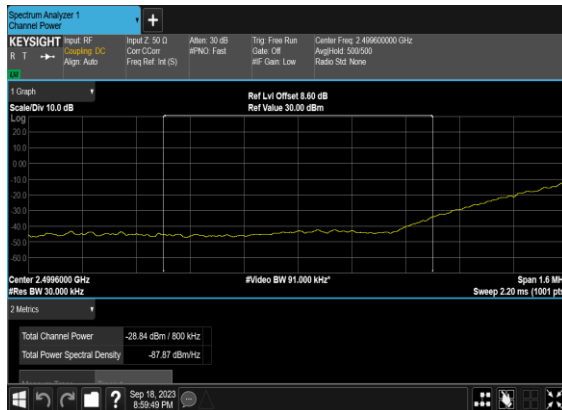
N7(20M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



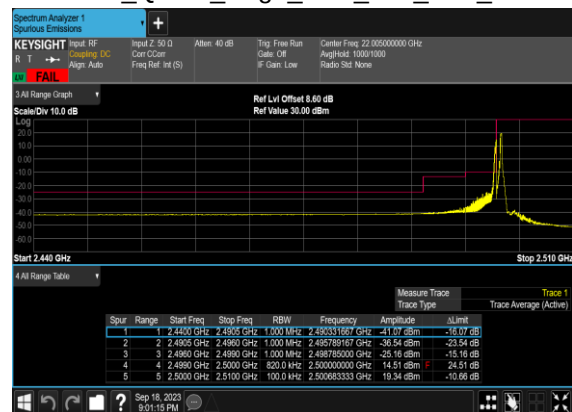
N7(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



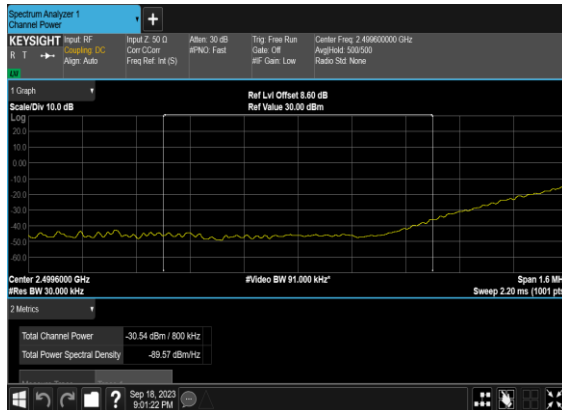
N7(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH CHP_P ASS



N7(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



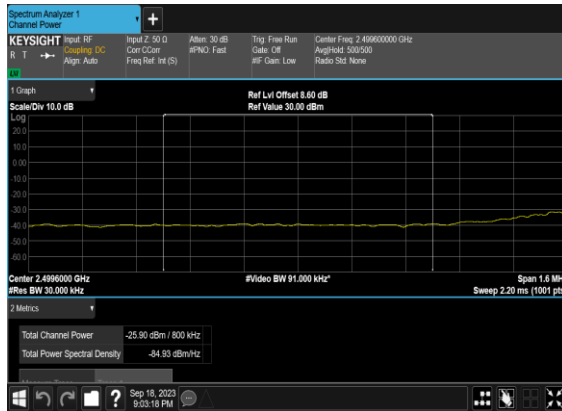
N7(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH_CH_P ASS



N7(40M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH



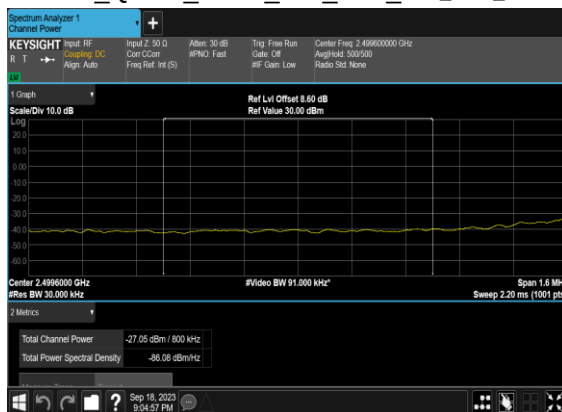
N7(40M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH_CH_P PASS



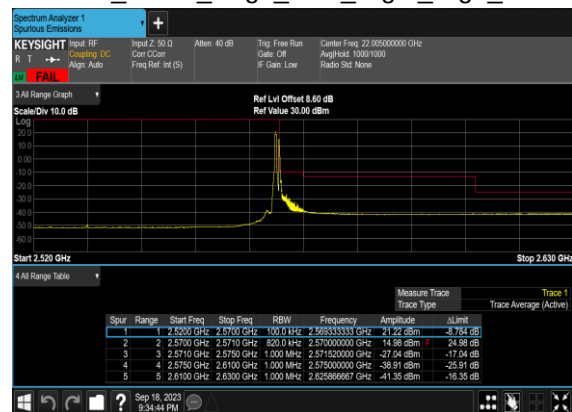
N7(40M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH



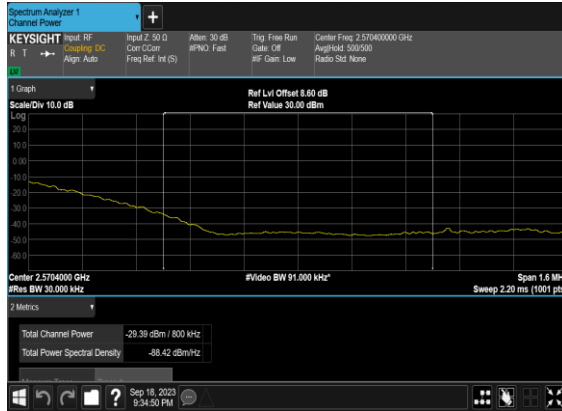
N7(40M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH_CH_P PASS



N7(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



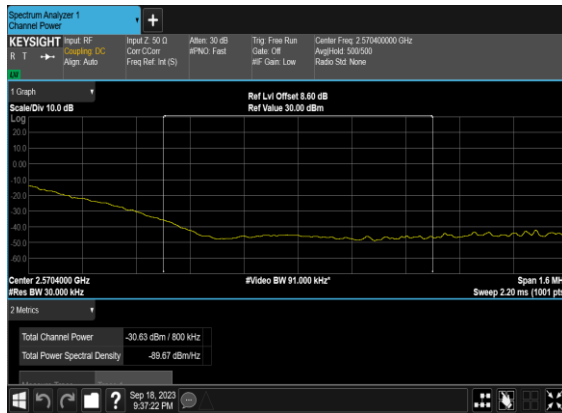
N7(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH_chp_



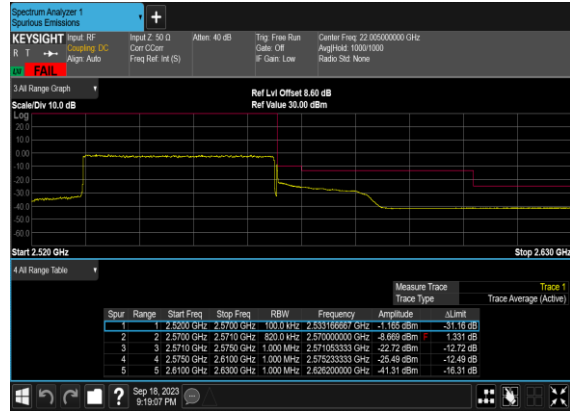
N7(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



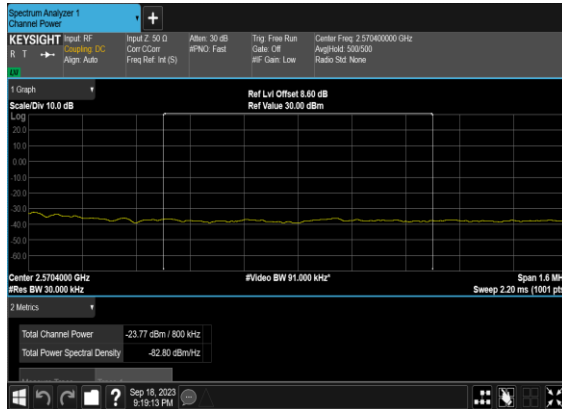
N7(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH_chp_



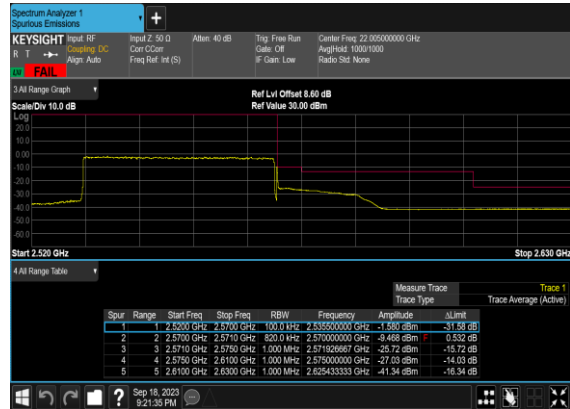
N7(40M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



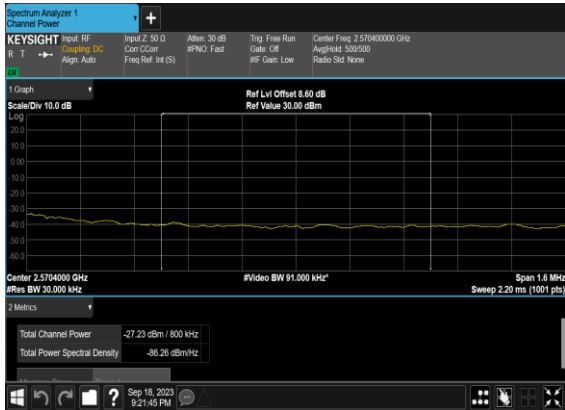
N7(40M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH_chp_PASS



N7(40M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS



FR1 N7_Other PA_ANT 6

LTE Band: 2, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=0.3dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@1	23.32	23.62	0.2301
7	15	5	500500	2502.5	DFT-s-OFDM 16 QAM	1@1	22.37	22.67	0.1849
7	15	5	507000	2535	DFT-s-OFDM QPSK	1@1	23.52	23.82	0.2410
7	15	5	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.63	22.93	0.1963
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@1	23.16	23.46	0.2218
7	15	5	513500	2567.5	DFT-s-OFDM 16 QAM	1@1	22.25	22.55	0.1799
7	15	10	501000	2505	DFT-s-OFDM QPSK	1@1	23.43	23.73	0.2360
7	15	10	501000	2505	DFT-s-OFDM 16 QAM	1@1	22.36	22.66	0.1845
7	15	10	507000	2535	DFT-s-OFDM QPSK	1@1	23.56	23.86	0.2432
7	15	10	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.64	22.94	0.1968
7	15	10	513000	2565	DFT-s-OFDM QPSK	1@1	23.48	23.78	0.2388
7	15	10	513000	2565	DFT-s-OFDM 16 QAM	1@1	22.43	22.73	0.1875
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@1	23.74	24.04	0.2535
7	15	15	501500	2507.5	DFT-s-OFDM 16 QAM	1@1	22.68	22.98	0.1986
7	15	15	507000	2535	DFT-s-OFDM QPSK	1@1	23.65	23.95	0.2483
7	15	15	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.71	23.01	0.2000
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@1	23.42	23.72	0.2355
7	15	15	512500	2562.5	DFT-s-OFDM 16 QAM	1@1	22.38	22.68	0.1854
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@1	23.69	23.99	0.2506
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@1	22.6	22.9	0.1950
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@1	23.59	23.89	0.2449
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.49	22.79	0.1901
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@1	23.44	23.74	0.2366
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@1	22.47	22.77	0.1892
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@1	23.36	23.66	0.2323
7	15	25	502500	2512.5	DFT-s-OFDM 16 QAM	1@1	22.35	22.65	0.1841
7	15	25	507000	2535	DFT-s-OFDM QPSK	1@1	23.82	24.12	0.2582
7	15	25	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.83	23.13	0.2056

7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@1	23.55	23.85	0.2427
7	15	25	511500	2557.5	DFT-s-OFDM 16 QAM	1@1	22.54	22.84	0.1923
7	15	30	503000	2515	DFT-s-OFDM QPSK	1@1	23.51	23.81	0.2404
7	15	30	503000	2515	DFT-s-OFDM 16 QAM	1@1	22.5	22.8	0.1905
7	15	30	507000	2535	DFT-s-OFDM QPSK	1@1	23.91	24.21	0.2636
7	15	30	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.81	23.11	0.2046
7	15	30	511000	2555	DFT-s-OFDM QPSK	1@1	23.61	23.91	0.2460
7	15	30	511000	2555	DFT-s-OFDM 16 QAM	1@1	22.51	22.81	0.1910
7	15	40	504000	2520	DFT-s-OFDM PI/2 BPSK	108@54	23.86	24.16	0.2606
7	15	40	504000	2520	DFT-s-OFDM PI/2 BPSK	1@1	23.72	24.02	0.2523
7	15	40	504000	2520	DFT-s-OFDM PI/2 BPSK	1@214	23.74	24.04	0.2535
7	15	40	504000	2520	DFT-s-OFDM QPSK	108@54	23.79	24.09	0.2564
7	15	40	504000	2520	DFT-s-OFDM QPSK	1@1	23.65	23.95	0.2483
7	15	40	504000	2520	DFT-s-OFDM QPSK	1@214	23.68	23.98	0.2500
7	15	40	504000	2520	DFT-s-OFDM 16 QAM	108@54	22.78	23.08	0.2032
7	15	40	504000	2520	DFT-s-OFDM 16 QAM	1@1	22.77	23.07	0.2028
7	15	40	504000	2520	DFT-s-OFDM 16 QAM	1@214	22.73	23.03	0.2009
7	15	40	504000	2520	DFT-s-OFDM 64 QAM	108@54	21.27	21.57	0.1435
7	15	40	504000	2520	DFT-s-OFDM 64 QAM	1@1	21	21.3	0.1349
7	15	40	504000	2520	DFT-s-OFDM 64 QAM	1@214	21.07	21.37	0.1371
7	15	40	504000	2520	DFT-s-OFDM 256 QAM	108@54	19.29	19.59	0.0910
7	15	40	504000	2520	DFT-s-OFDM 256 QAM	1@1	18.68	18.98	0.0791
7	15	40	504000	2520	DFT-s-OFDM 256 QAM	1@214	18.79	19.09	0.0811
7	15	40	504000	2520	CP-OFDM QPSK	108@54	22.45	22.75	0.1884
7	15	40	504000	2520	CP-OFDM QPSK	1@1	22.35	22.65	0.1841
7	15	40	504000	2520	CP-OFDM QPSK	1@214	22.48	22.78	0.1897
7	15	40	507000	2535	DFT-s-OFDM PI/2 BPSK	108@54	23.78	24.08	0.2559
7	15	40	507000	2535	DFT-s-OFDM PI/2 BPSK	1@1	23.77	24.07	0.2553
7	15	40	507000	2535	DFT-s-OFDM PI/2 BPSK	1@214	23.6	23.9	0.2455
7	15	40	507000	2535	DFT-s-OFDM QPSK	108@54	23.81	24.11	0.2576
7	15	40	507000	2535	DFT-s-OFDM QPSK	1@1	23.79	24.09	0.2564
7	15	40	507000	2535	DFT-s-OFDM QPSK	1@214	23.61	23.91	0.2460
7	15	40	507000	2535	DFT-s-OFDM 16 QAM	108@54	22.8	23.1	0.2042
7	15	40	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.79	23.09	0.2037
7	15	40	507000	2535	DFT-s-OFDM 16 QAM	1@214	22.64	22.94	0.1968

7	15	40	507000	2535	DFT-s-OFDM 64 QAM	108@54	21.3	21.6	0.1445
7	15	40	507000	2535	DFT-s-OFDM 64 QAM	1@1	21.22	21.52	0.1419
7	15	40	507000	2535	DFT-s-OFDM 64 QAM	1@214	20.96	21.26	0.1337
7	15	40	507000	2535	DFT-s-OFDM 256 QAM	108@54	19.24	19.54	0.0899
7	15	40	507000	2535	DFT-s-OFDM 256 QAM	1@1	18.85	19.15	0.0822
7	15	40	507000	2535	DFT-s-OFDM 256 QAM	1@214	18.63	18.93	0.0782
7	15	40	507000	2535	CP-OFDM QPSK	108@54	22.43	22.73	0.1875
7	15	40	507000	2535	CP-OFDM QPSK	1@1	22.56	22.86	0.1932
7	15	40	507000	2535	CP-OFDM QPSK	1@214	22.37	22.67	0.1849
7	15	40	510000	2550	DFT-s-OFDM PI/2 BPSK	108@54	23.65	23.95	0.2483
7	15	40	510000	2550	DFT-s-OFDM PI/2 BPSK	1@1	23.95	24.25	0.2661
7	15	40	510000	2550	DFT-s-OFDM PI/2 BPSK	1@214	23.66	23.96	0.2489
7	15	40	510000	2550	DFT-s-OFDM QPSK	108@54	23.68	23.98	0.2500
7	15	40	510000	2550	DFT-s-OFDM QPSK	1@1	23.78	24.08	0.2559
7	15	40	510000	2550	DFT-s-OFDM QPSK	1@214	23.7	24	0.2512
7	15	40	510000	2550	DFT-s-OFDM 16 QAM	108@54	22.61	22.91	0.1954
7	15	40	510000	2550	DFT-s-OFDM 16 QAM	1@1	22.87	23.17	0.2075
7	15	40	510000	2550	DFT-s-OFDM 16 QAM	1@214	22.6	22.9	0.1950
7	15	40	510000	2550	DFT-s-OFDM 64 QAM	108@54	21.13	21.43	0.1390
7	15	40	510000	2550	DFT-s-OFDM 64 QAM	1@1	21.18	21.48	0.1406
7	15	40	510000	2550	DFT-s-OFDM 64 QAM	1@214	21.02	21.32	0.1355
7	15	40	510000	2550	DFT-s-OFDM 256 QAM	108@54	19.26	19.56	0.0904
7	15	40	510000	2550	DFT-s-OFDM 256 QAM	1@1	18.92	19.22	0.0836
7	15	40	510000	2550	DFT-s-OFDM 256 QAM	1@214	18.66	18.96	0.0787
7	15	40	510000	2550	CP-OFDM QPSK	108@54	22.24	22.54	0.1795
7	15	40	510000	2550	CP-OFDM QPSK	1@1	22.54	22.84	0.1923
7	15	40	510000	2550	CP-OFDM QPSK	1@214	22.45	22.75	0.1884

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0036	PASS	NV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0040	PASS	LV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0022	PASS	HV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0044	PASS	-30°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0022	PASS	-20°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0026	PASS	-10°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0038	PASS	0°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0042	PASS	10°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0036	PASS	20°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0029	PASS	30°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0044	PASS	40°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0052	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	15	20	507000	2535.0	DFT-s-OFDM PI/2 BPSK	100@0	3.84	13	PASS
7	15	20	507000	2535.0	DFT-s-OFDM PI/2 BPSK	1@0	3.76	13	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	5.28	13	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	5.3	13	PASS

B2_N7(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B2_N7(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



B2_N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B2_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

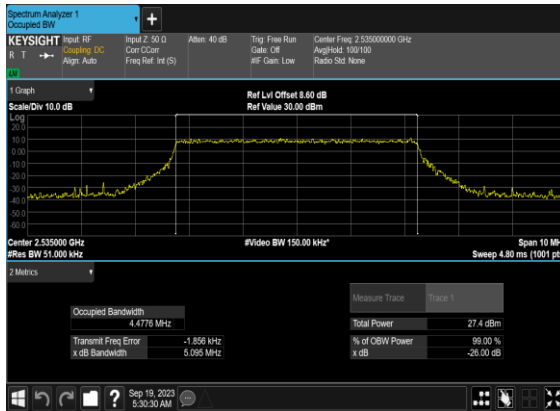


Occupied Bandwidth

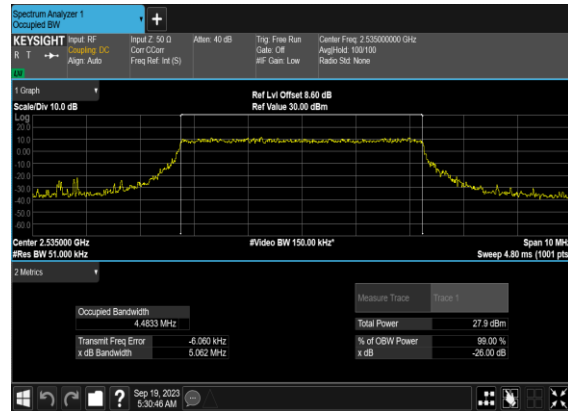
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
7	15	5	507000	2535.0	CP-OFDM QPSK	25@0	4.4776	5.095
7	15	5	507000	2535.0	CP-OFDM 16 QAM	25@0	4.4833	5.062
7	15	5	507000	2535.0	CP-OFDM 64 QAM	25@0	4.483	5.045
7	15	5	507000	2535.0	CP-OFDM 256 QAM	25@0	4.4687	4.997
7	15	10	507000	2535.0	CP-OFDM QPSK	52@0	9.2725	10.07
7	15	10	507000	2535.0	CP-OFDM 16 QAM	52@0	9.266	9.938
7	15	10	507000	2535.0	CP-OFDM 64 QAM	52@0	9.2618	9.923
7	15	10	507000	2535.0	CP-OFDM 256 QAM	52@0	9.2963	10.07
7	15	15	507000	2535.0	CP-OFDM QPSK	79@0	14.1	14.88
7	15	15	507000	2535.0	CP-OFDM 16 QAM	79@0	14.117	15.01
7	15	15	507000	2535.0	CP-OFDM 64 QAM	79@0	14.13	14.89
7	15	15	507000	2535.0	CP-OFDM 256 QAM	79@0	14.09	14.85
7	15	20	507000	2535.0	CP-OFDM QPSK	106@0	18.944	19.81
7	15	20	507000	2535.0	CP-OFDM 16 QAM	106@0	18.946	19.84
7	15	20	507000	2535.0	CP-OFDM 64 QAM	106@0	18.932	19.82
7	15	20	507000	2535.0	CP-OFDM 256 QAM	106@0	19.007	19.88
7	15	25	507000	2535.0	CP-OFDM QPSK	133@0	23.728	24.75
7	15	25	507000	2535.0	CP-OFDM 16 QAM	133@0	23.734	24.69
7	15	25	507000	2535.0	CP-OFDM 64 QAM	133@0	23.699	24.82
7	15	25	507000	2535.0	CP-OFDM 256 QAM	133@0	23.814	24.71
7	15	30	507000	2535.0	CP-OFDM QPSK	160@0	28.602	29.61
7	15	30	507000	2535.0	CP-OFDM 16 QAM	160@0	28.553	29.58
7	15	30	507000	2535.0	CP-OFDM 64 QAM	160@0	28.554	29.71
7	15	30	507000	2535.0	CP-OFDM 256 QAM	160@0	28.554	29.79
7	15	40	507000	2535.0	CP-OFDM QPSK	216@0	38.54	39.87

7	15	40	507000	2535.0	CP-OFDM 16 QAM	216@0	38.52	40.0
7	15	40	507000	2535.0	CP-OFDM 64 QAM	216@0	38.531	39.83
7	15	40	507000	2535.0	CP-OFDM 256 QAM	216@0	38.575	39.87

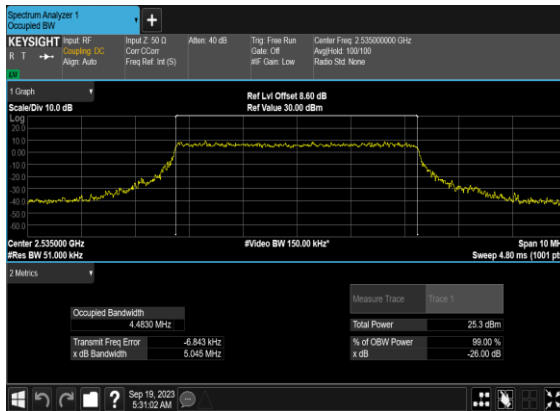
B2_N7(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



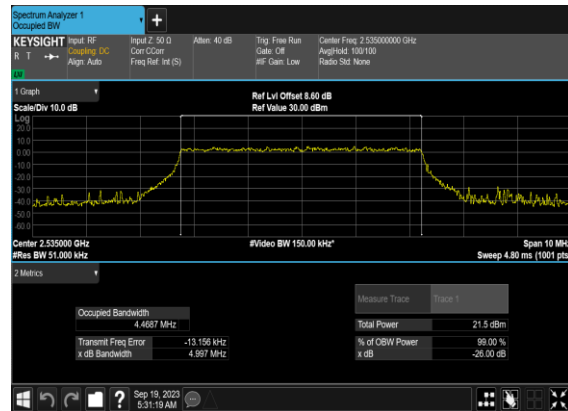
B2_N7(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



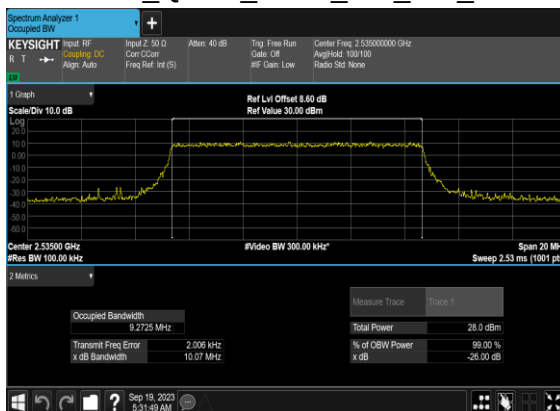
B2_N7(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



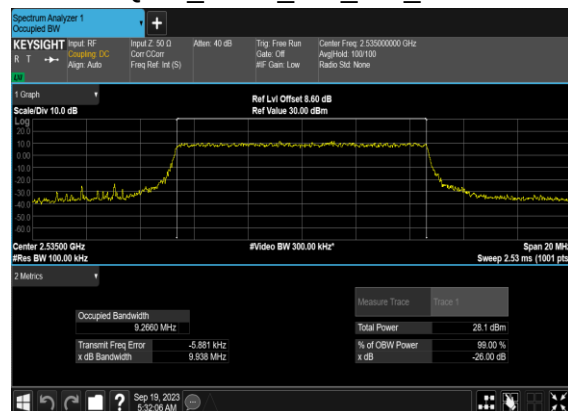
B2_N7(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



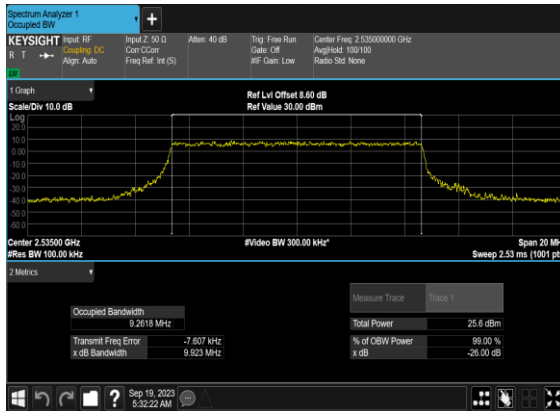
B2_N7(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



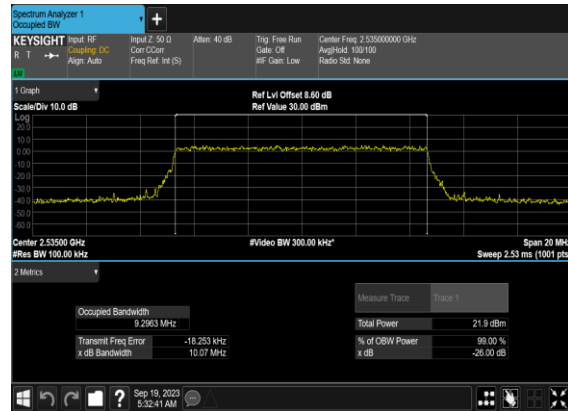
B2_N7(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



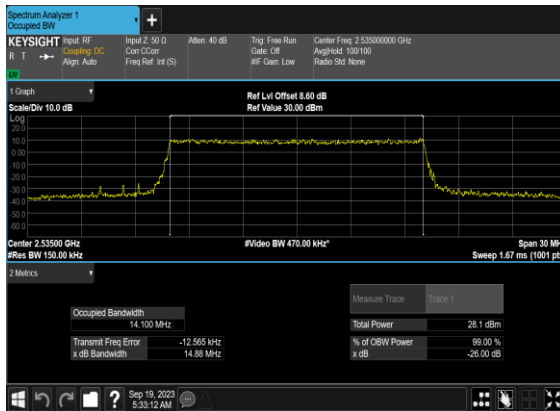
B2_N7(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



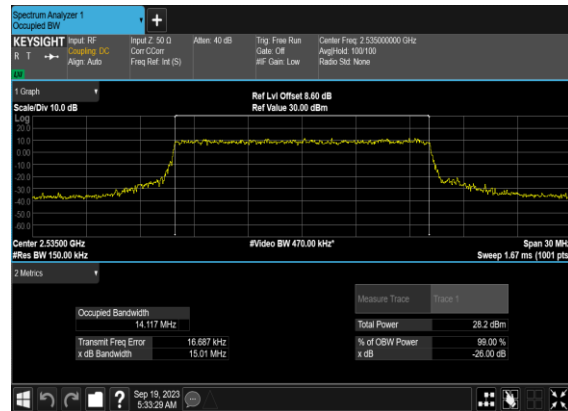
B2_N7(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



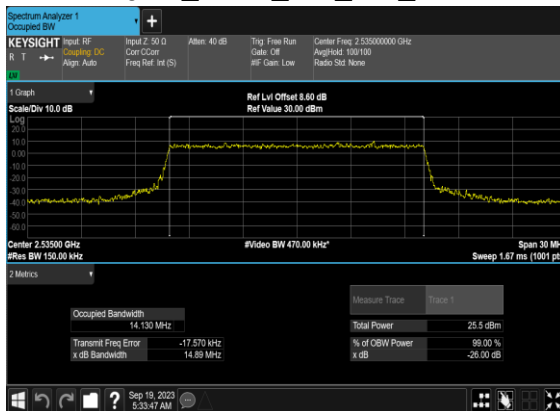
B2_N7(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



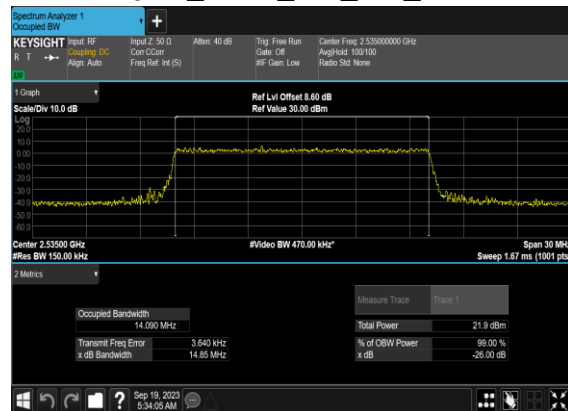
B2_N7(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



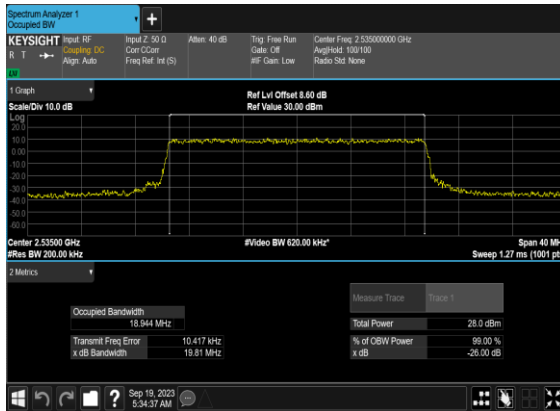
B2_N7(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



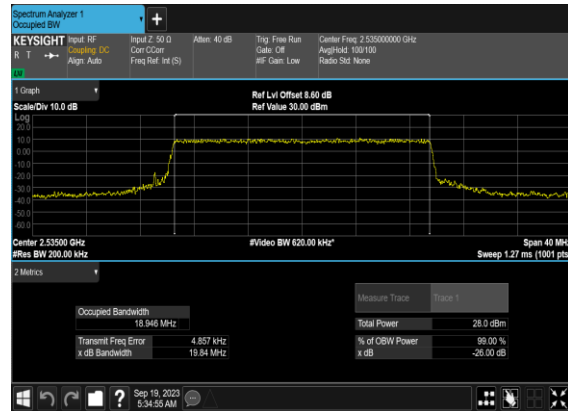
B2_N7(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



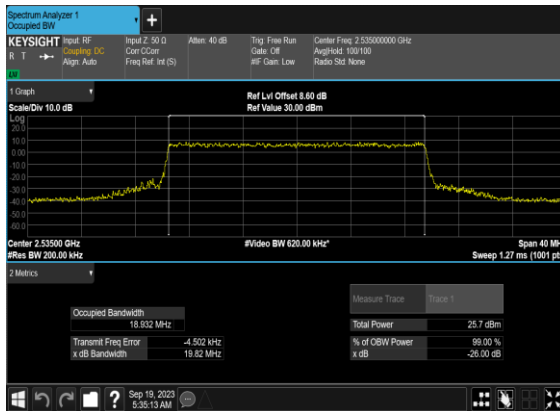
B2_N7(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



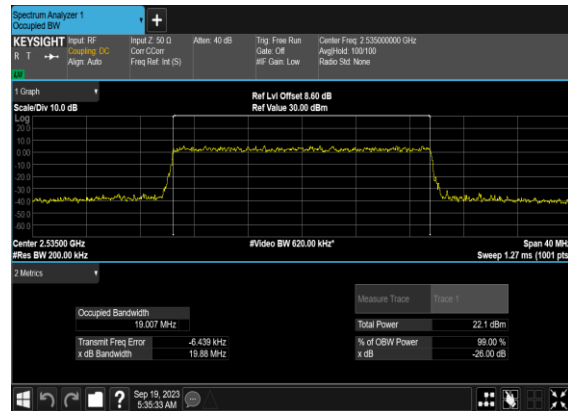
B2_N7(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



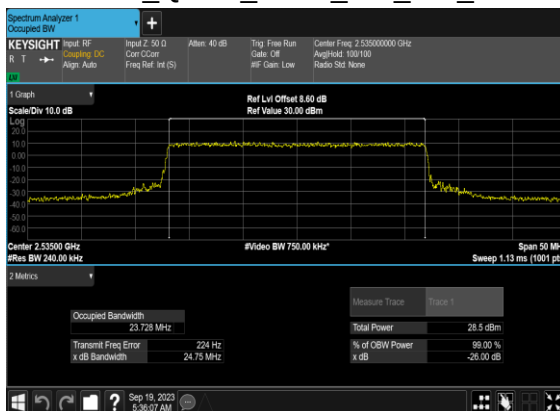
B2_N7(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



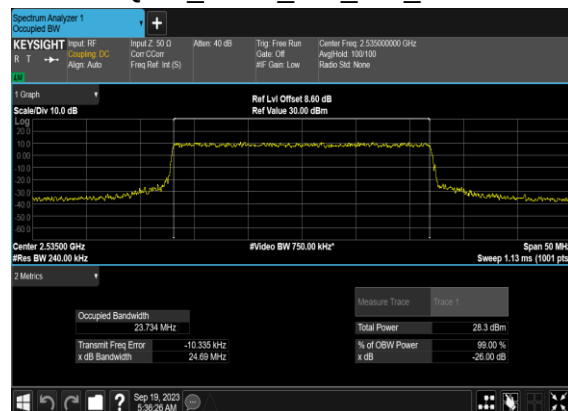
B2_N7(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



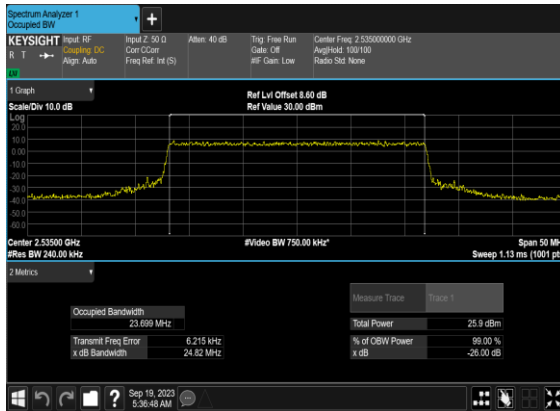
B2_N7(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



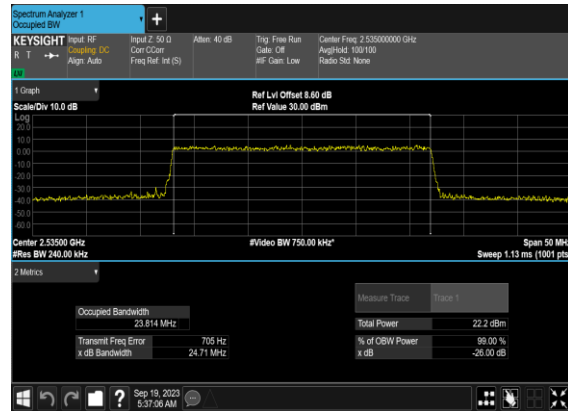
B2_N7(25M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



B2_N7(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



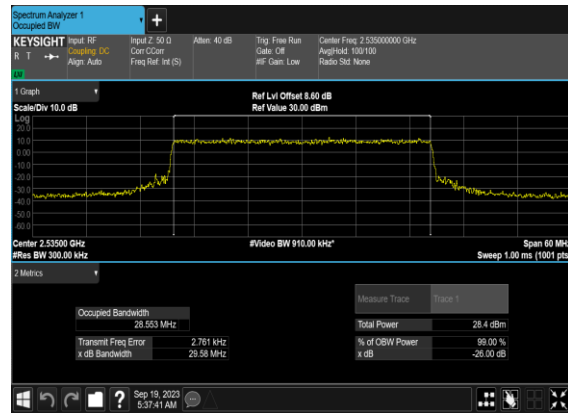
B2_N7(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



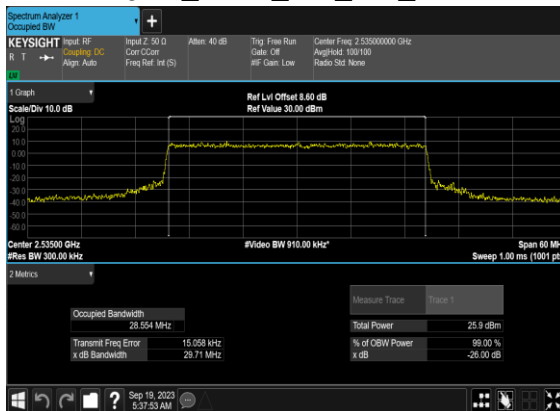
B2_N7(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



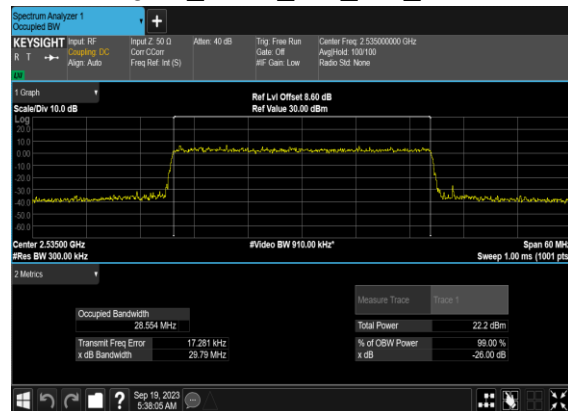
B2_N7(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



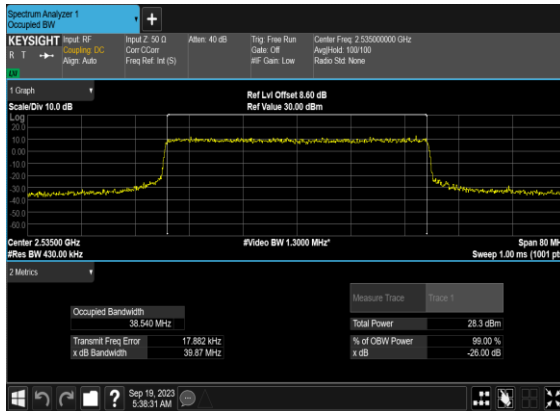
B2_N7(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



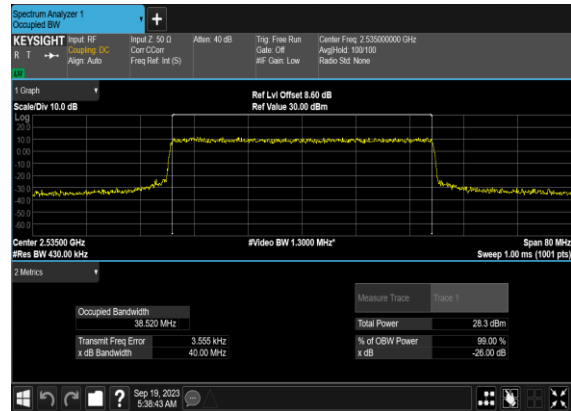
B2_N7(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



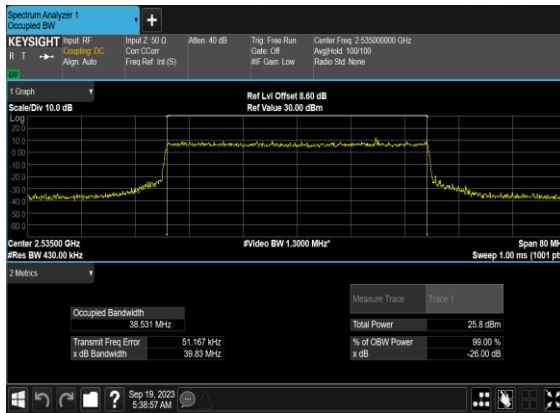
B2_N7(40M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



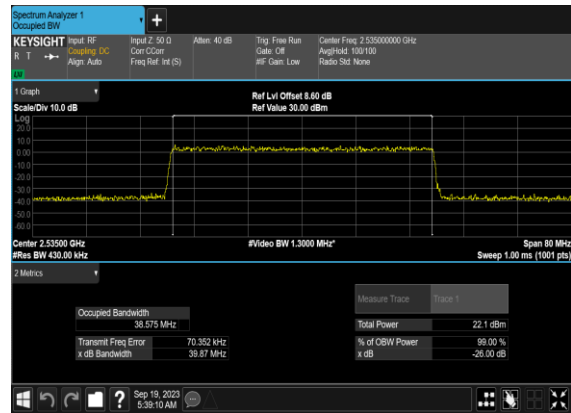
B2_N7(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B2_N7(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B2_N7(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
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	---

7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	40	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	507000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---

7	15	40	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

Keysight Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: 50 Ω, Port CCcr, Freq Ref: Int (S), #Adbn: 40 dB, PHO Fast Gate: Off, IF Gain: Low, Sig Track: Off, Avg Type: Power (RMS), Arithold: 100/100, Trig: Free Run, A W W W W W, A N N N N N

1 Spectrum
Scale/Div 10 dB
Log
30.0
20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
-100.0
Start 30 MHz
#Res BW 1.0 MHz
Video BW 3.0 MHz*
Ref Lvl Offset: 8.00 dB
Ref Level 30.00 dBm
Mkr2: 3.0228 GHz
-36.364 dBm
Stop 2000 GHz
Sweep 34.7 ms (400001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	f	2.500 3 GHz	22.34 dBm			
2	N	f	3.0228 1 GHz	-36.36 dBm			
3							
4							
5							
6							

Sep 19, 2023
5:40:15 AM

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF
R T → Chopping: DC
Algo: Auto

Input Z: 50 Ω
Cntr: C-Cent
Freq Ref: 1st (S)

Attenu: 40 dB

Pho Fast Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Power (RMS)
Averhdw: 100/100
Trig: Free Run

2 3 4 5 6
A W W W W W
A N N N N N

1 Spectrum
Scale/Div: 10 dB
Log
20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0

Ref Lvl Offset: 8.80 dB
Ref Level: 30.00 dBm

Mkr1: 25.645 00 GHz
-33.209 dBm

Start: 20.000 GHz
#Res: BW 1.0 MHz

Video BW: 3.0 MHz

Stop: 25.700 GHz
Sweep: 10.7 ms (40000 pts)

1 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	F	25.645 00 GHz	-33.21 dBm			
2							
3							
4							
5							
6							

Windows taskbar: Sep 19, 2023 5:40:24 AM

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF
Resolving DC
Align Auto

Input Z: 50 Ω
Corr CCor
Freq Ref: Int (S)

Attenu: 40 dB

PMO Fast
Gate: Off
S: Gain: Low
Sig Track: Off

Avg Type: Power (RMS)
Averaging: 1001
Trig: Free Run

1 2 3 4 5 6
A W W W W W
N N N N N N

1 Spectrum
Scale/Div 10 dB
Log
30.0
20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
-100.0

Ref Lvl Offset: 8.60 dBm
Ref Level: 30.00 dBm

Mkr2: 3.7729 GHz
-36.359 dBm

33.7 dBm or dB

Start 30 MHz
#Res BW 1.0 MHz

Video BW 3.0 MHz

Stop 20.0 GHz
Sweep 24.7 ms (40001 pt)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.000 1 GHz	22.78 dBm		
2	N	1	f	3.772 9 GHz	-36.36 dBm		
3							
4							
5							
6							

Sep 19, 2023
5:41:43 AM

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF, Span: 40 dB, Avg: Auto, Input Z: 50 Ω, Con C/Art, Freq Ref: Int (S), PNO: Fast, Gate: Off, R: Gain: Low, Sig: Trig: Off, Avg Type: Power (RMS), Amplitude: 100/100, Trig: Free Run

1 2 3 4 5 6
A W W W W W
N N N N N N

1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset: 1.60 dB
Ref Level: 30.00 dBm
Mkr1 25.548 24 GHz
-33.296 dBm

Start 20.000 GHz
#Res BW 1.0 MHz
Video BW 3.0 MHz
Stop 25.700 GHz
Sweep 10.7 ms (40001 pts)

1 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	25.548 24 GHz	-33.30 dBm			
2							
3							
4							
5							
6							

Windows taskbar: Sep 19, 2023 5:42:23 AM

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: 25.00 GHz
 R T → → Coupling DC
 Align Auto Corr C Corr Freq Ref Int (S)

Span: 40 dB
 PNO Fast Gate: Off
 IF Gain: Low
 Trig Mode: Free Run

Avg Type: Power (RMS)
 Aref Hold: 100/100
 A W W W W W
 A N N N N N

1 Spectrum
 Scale/Div 10 dB
 Log
 10.0
 20.0
 30.0
 40.0
 50.0
 60.0
 70.0
 80.0
 90.0
 100.0

Ref Lvl Offset 8.60 dB
 Ref Level 30.00 dBm

Mkr2 3.7684 GHz
 -36.200 dBm

Start 50 MHz
 Stop 20.0 GHz
 Smpw 34.7 ns (40001 pts)

Video BW 3.0 MHz

Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.9337 GHz	22.62 dBm		
2	N	1	f	3.7684 GHz	-36.20 dBm		
3							
4							
5							
6							

Spectrum Analyzer 1
Sweep SA

KEYINPUT Input: RF
Coupling: DC
Align: Auto

Input 2: 50.0
Corr: Corr
Freq Test: Int (S)

Attenu: 40.0 dB

PNO: Fast
Gate: Off
IF: Gain: Low
Sig. Track: Off

Avg Type: Power (RMS)
Averaging: 100/100
Trig: Free Run

0 2 3 4 5 6
A W W W W W
A N N N N N

1 Spectrum
Scale/Div: 10 dB

Ref Lvl Offset: 8.60 dB
Ref Level: 30.00 dBm

Mkr1: 25.617 GHz
-33.19 dBm

Start: 20.000 GHz
Res BW: 1.0 MHz

Video BW: 3.0 MHz

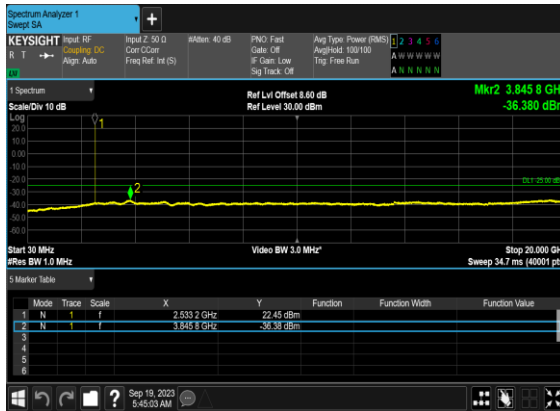
Stop: 25.700 GHz
Sweep: 10.7 ms (40001 pts)

1 Marker Table

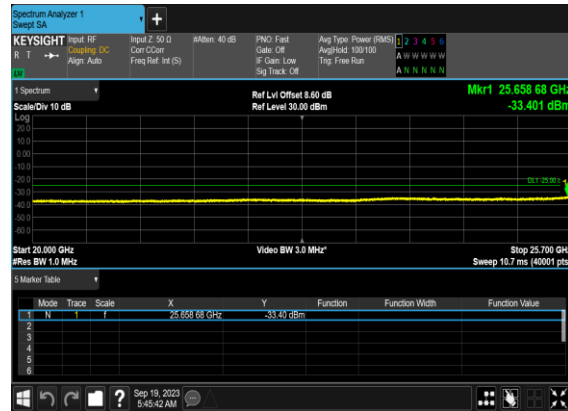
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	F	25.617 GHz	-33.19 dBm		
2							
3							
4							
5							
6							

Stop: 19.023
5:44:09 AM

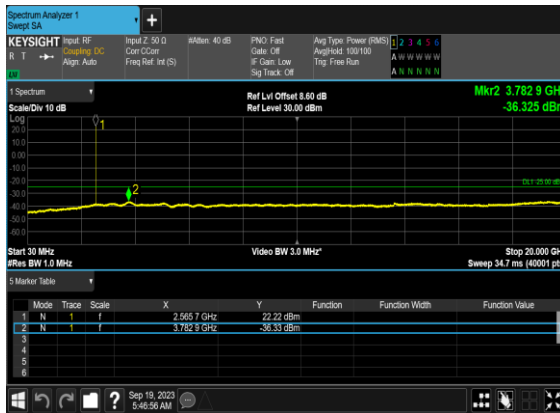
B2_N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



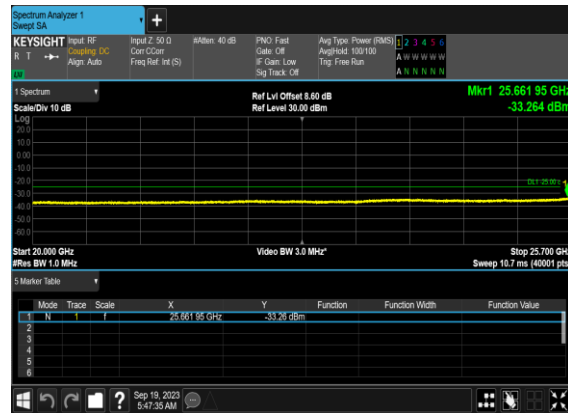
B2_N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



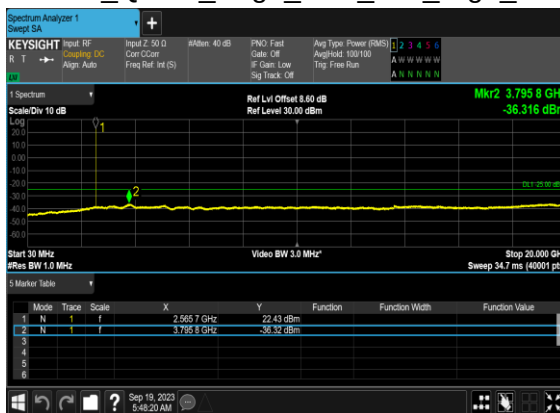
B2_N7(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



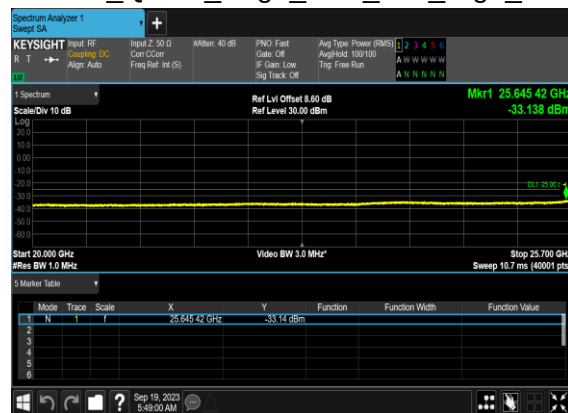
B2_N7(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



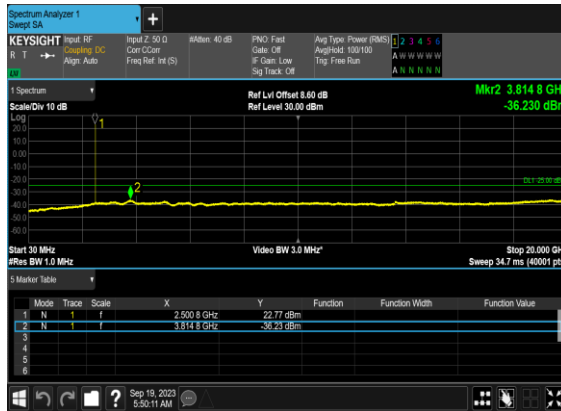
B2_N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



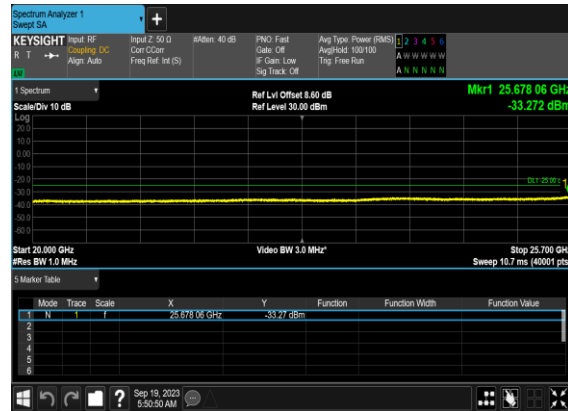
B2_N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



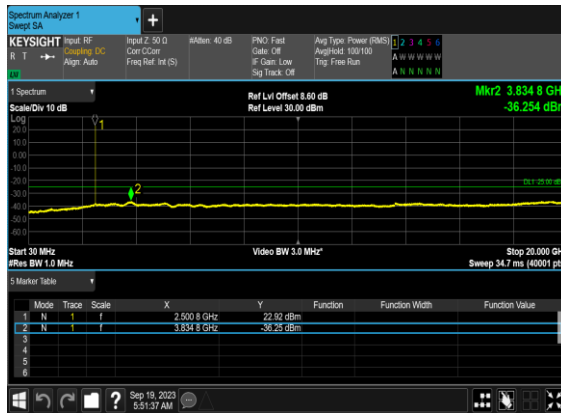
B2_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



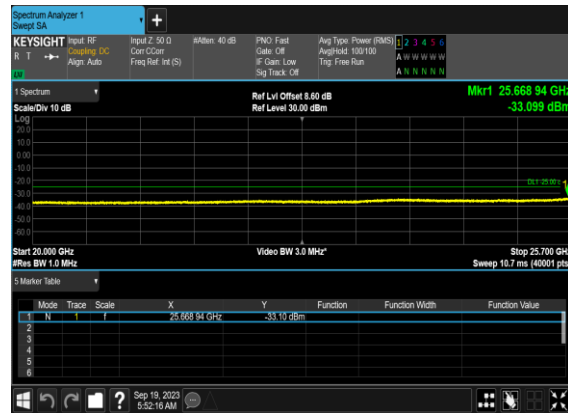
B2_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



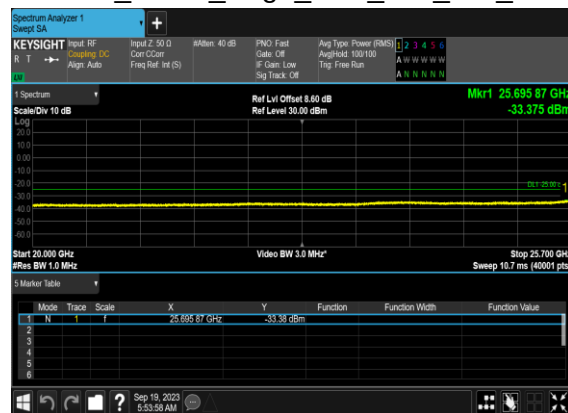
B2_N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



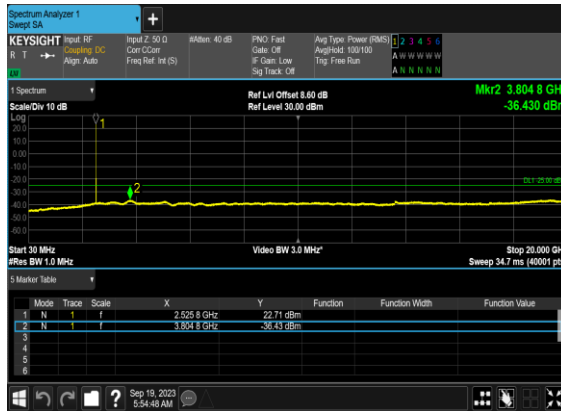
B2_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



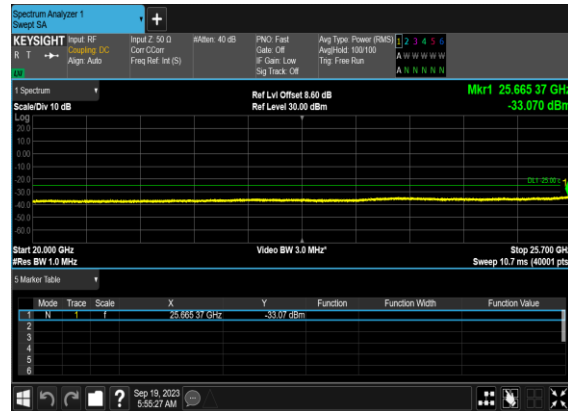
B2_N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



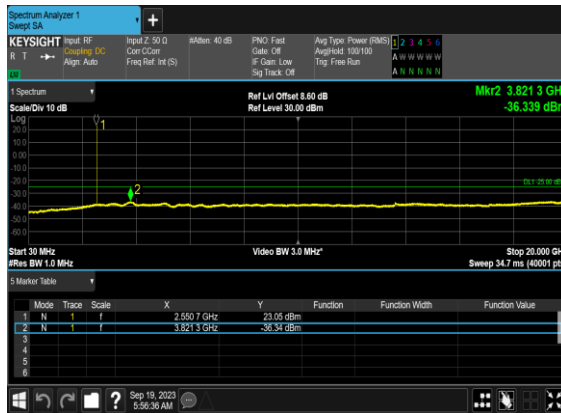
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OFDM_QPSK_Edge_1RB_Left_Mid_CH



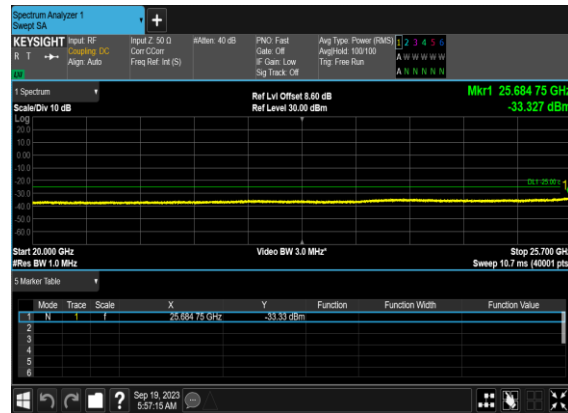
B2_N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



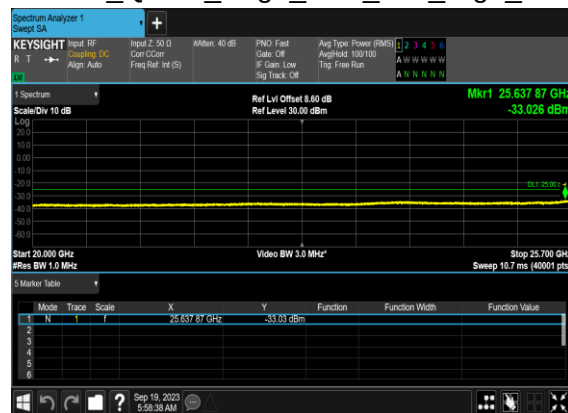
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OFDM_BPSK_Edge_1RB_Left_High_CH



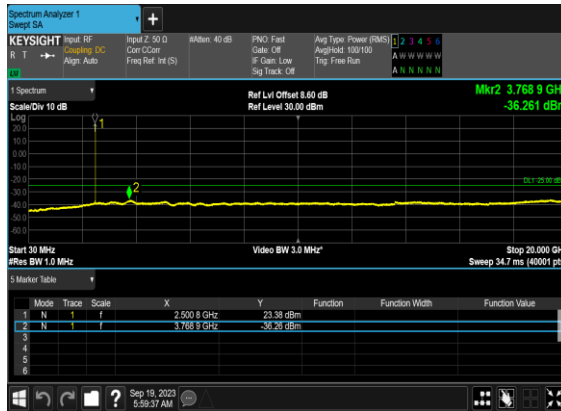
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OFDM_QPSK_Edge_1RB_Left_High_CH



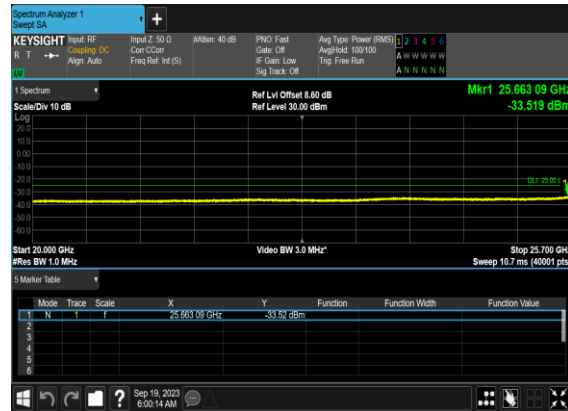
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OFDM_QPSK_Edge_1RB_Left_High_CH



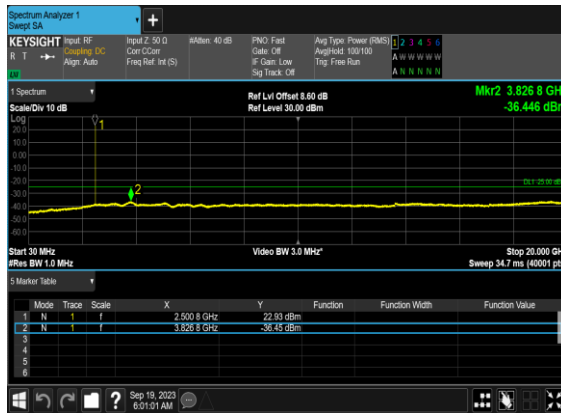
B2_N7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



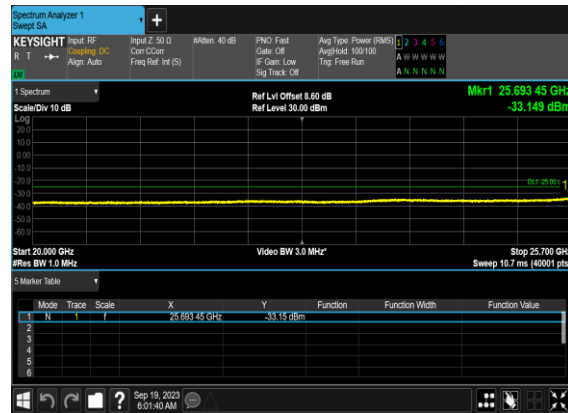
B2_N7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



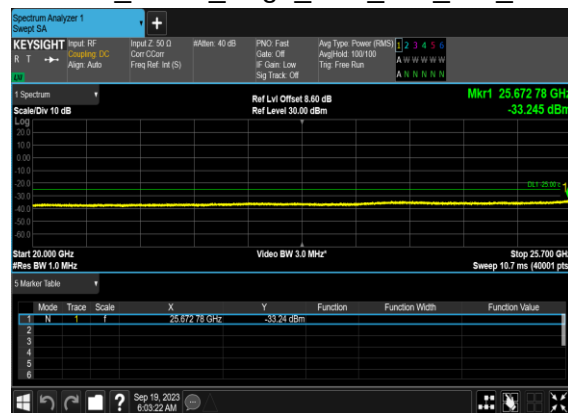
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OFDM_QPSK_Edge_1RB_Left_Low_CH



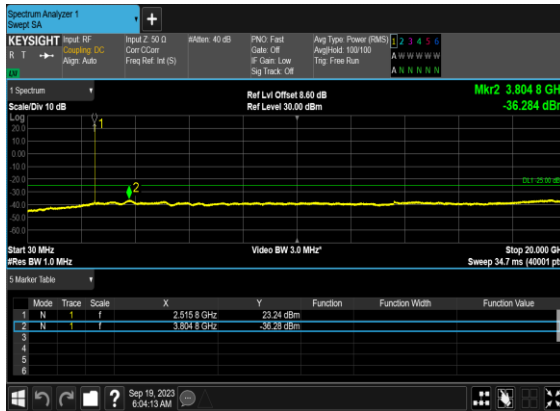
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OFDM_BPSK_Edge_1RB_Left_Mid_CH



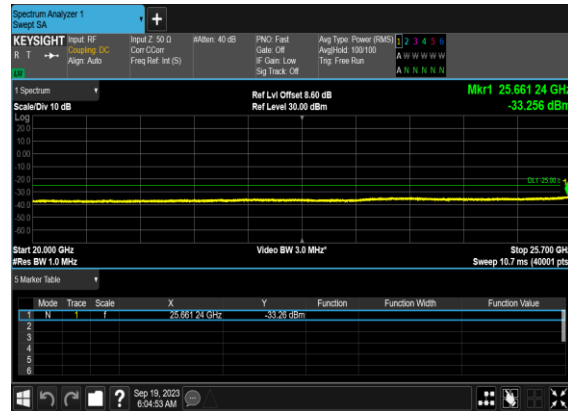
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OFDM_BPSK_Edge_1RB_Left_Mid_CH



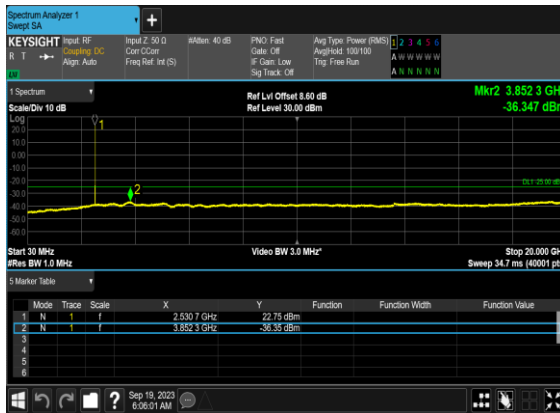
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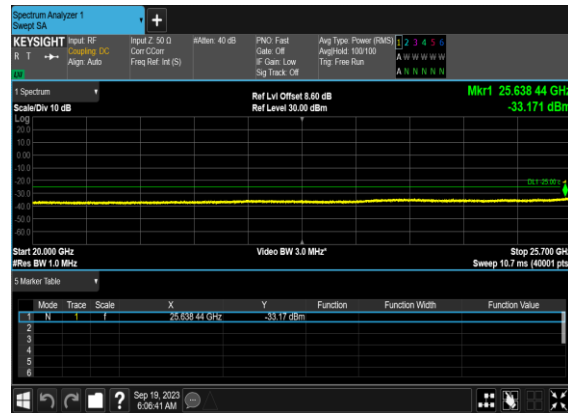
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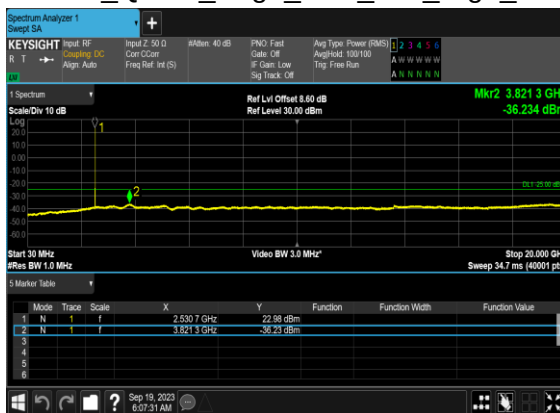
B2_N7(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



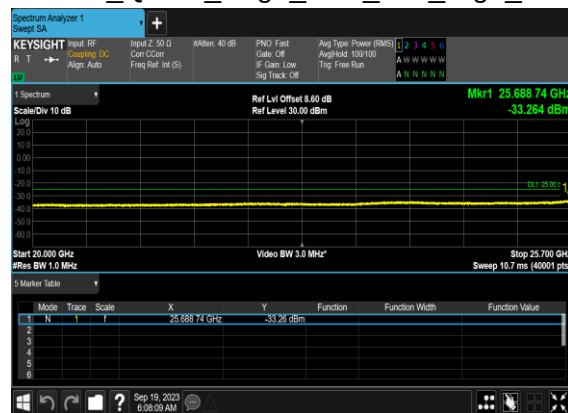
B2_N7(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B2_N7(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B2_N7(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



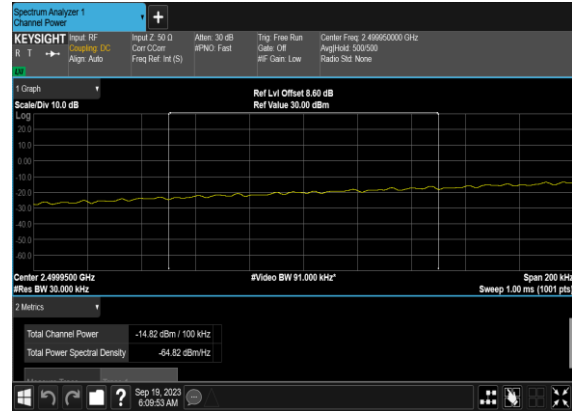
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
7	15	40	504000	2520.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
7	15	40	510000	2550.0	DFT-s-OFDM QPSK	216@0	see graph	PASS

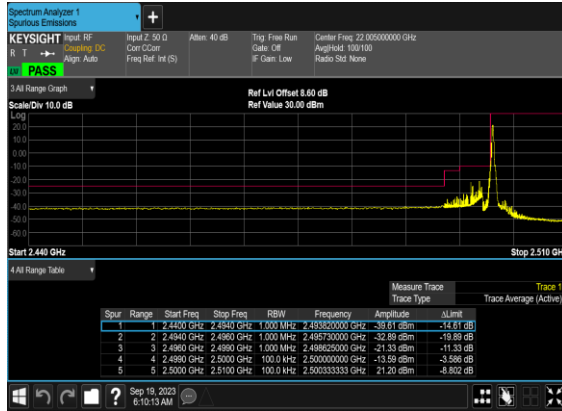
B2_N7(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



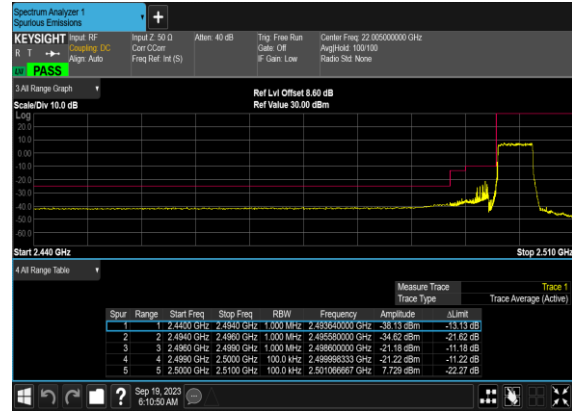
B2_N7(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_ PASS



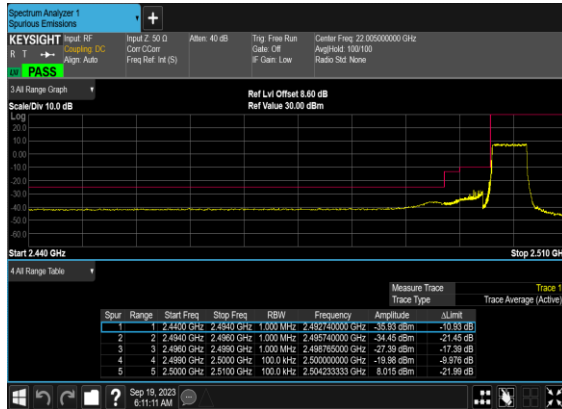
B2_N7(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



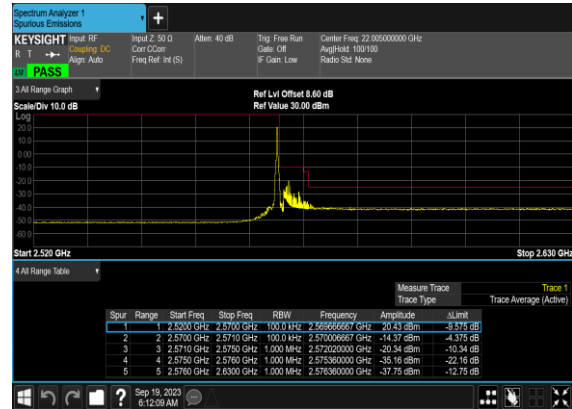
B2_N7(5M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH



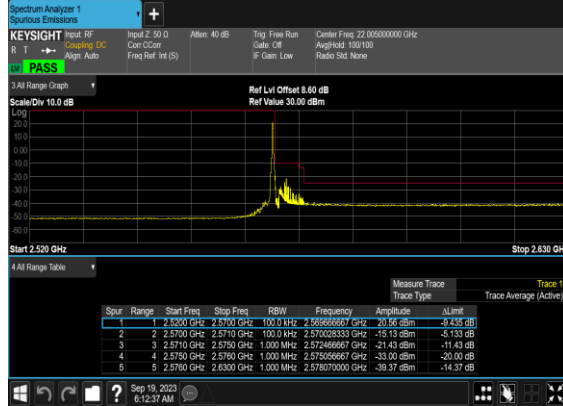
B2_N7(5M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH



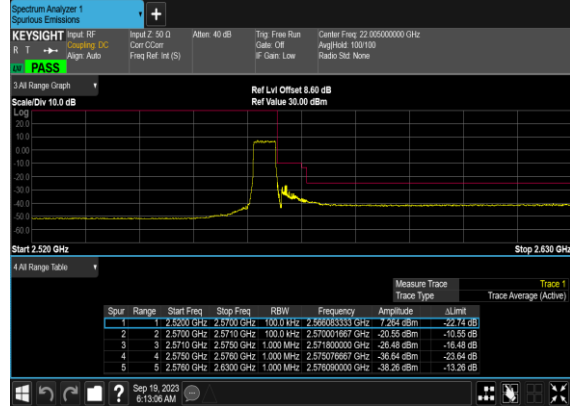
B2_N7(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



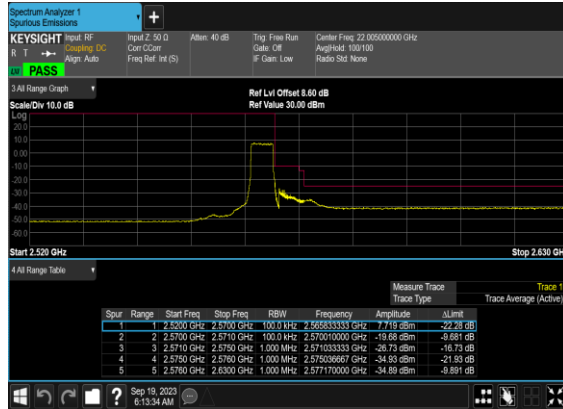
B2_N7(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



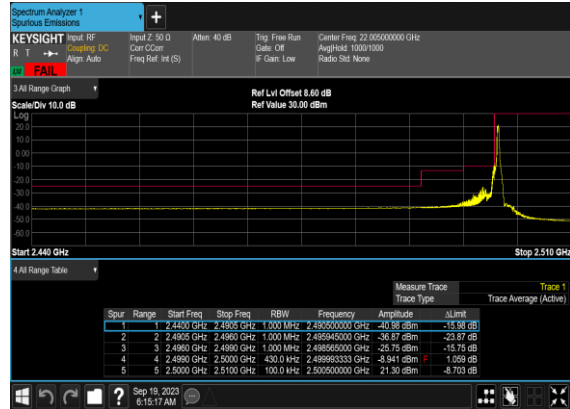
B2_N7(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



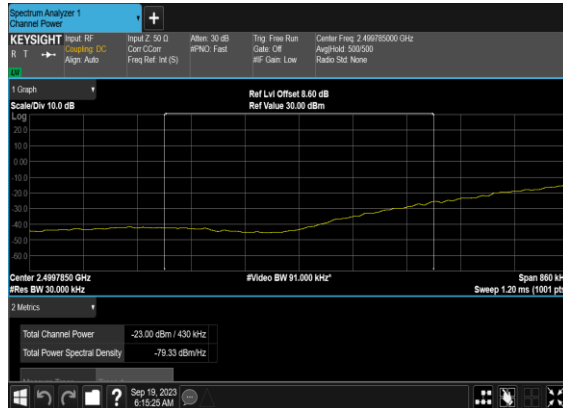
B2_N7(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



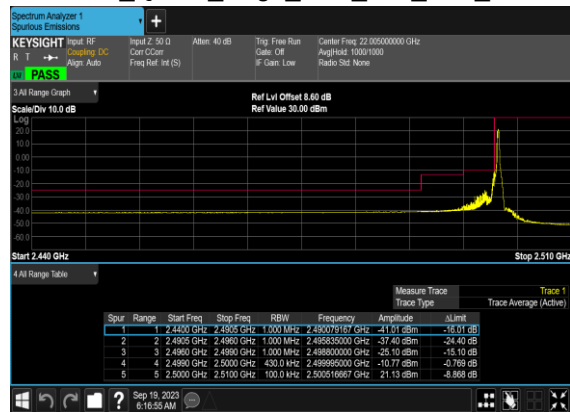
B2_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



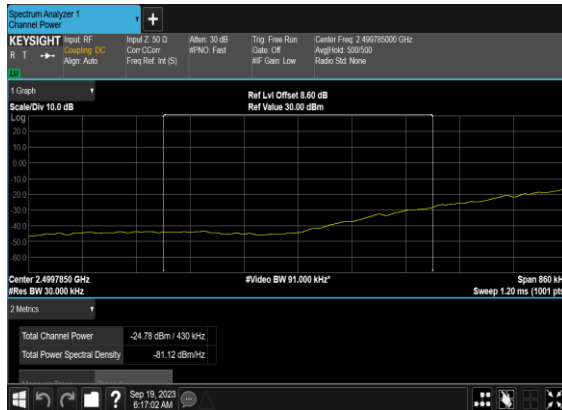
B2_N7(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CH_P
ASS



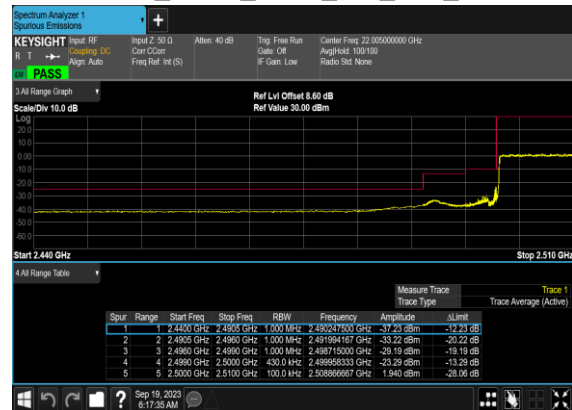
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OFDM_QPSK_Edge_1RB_Left_Low_CH



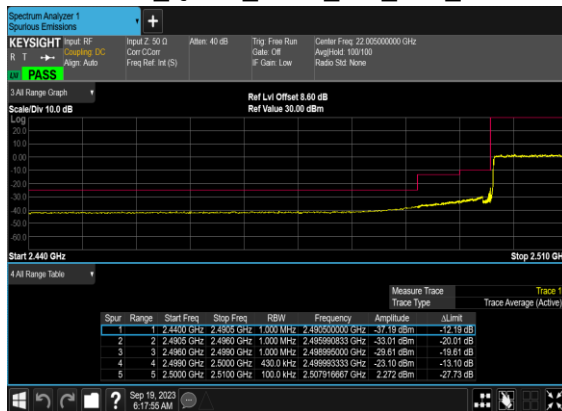
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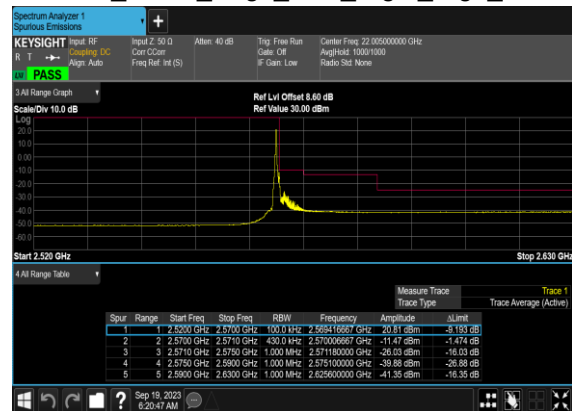
B2_N7(20M)_DFT-s- OFDM_BPSK_Outter_Full_Low_CH



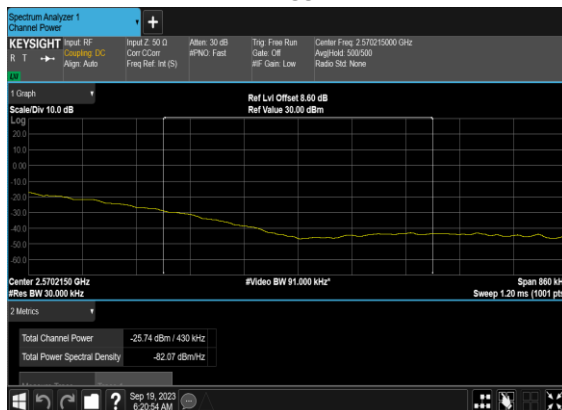
B2_N7(20M)_DFT-s- OFDM_QPSK_Outter_Full_Low_CH



B2_N7(20M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N7(20M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH_chp_P PASS



B2_N7(20M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH

