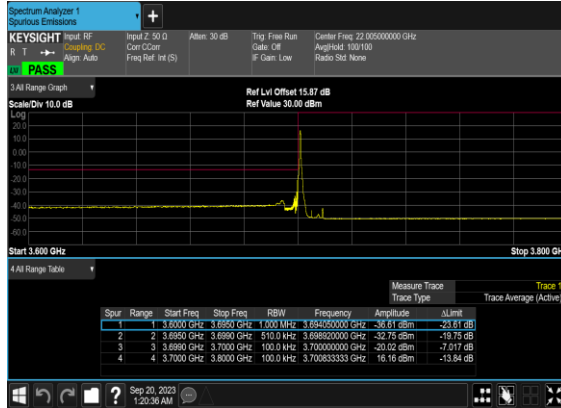
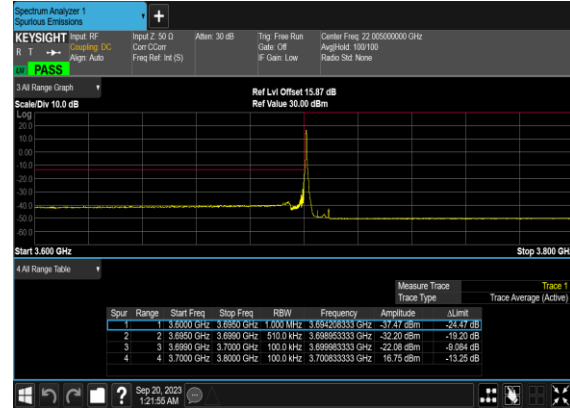


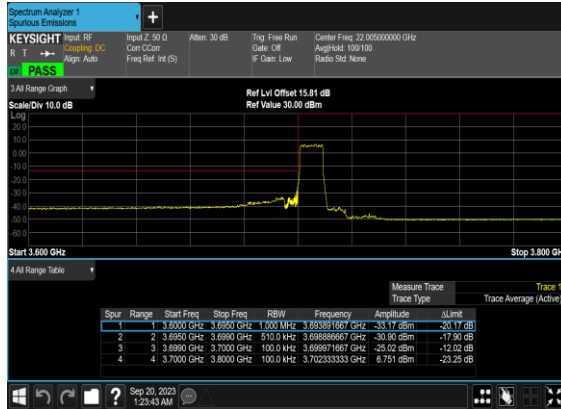
B5_N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



B5_N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



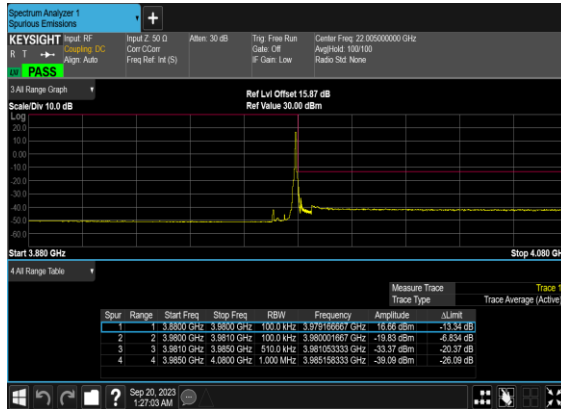
B5_N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



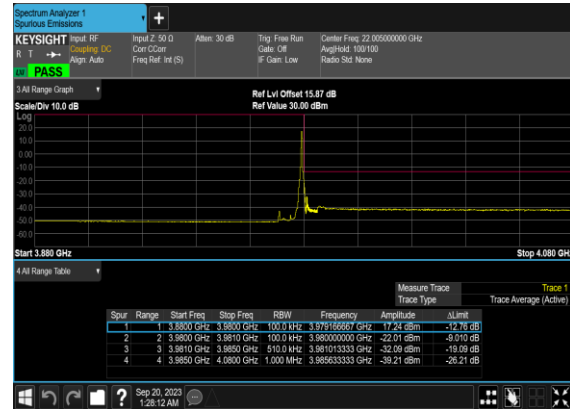
B5_N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



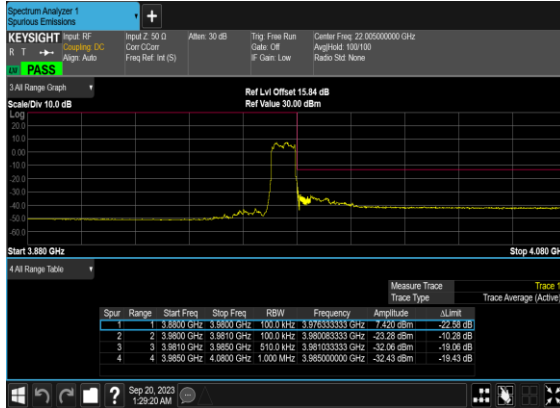
B5_N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



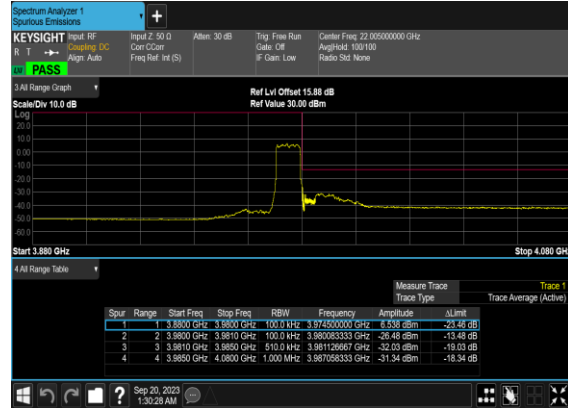
B5_N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



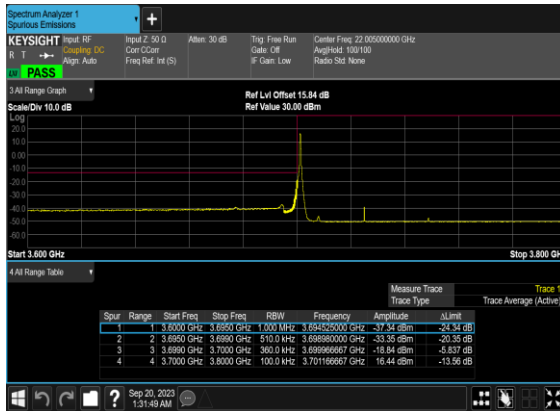
B5_N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



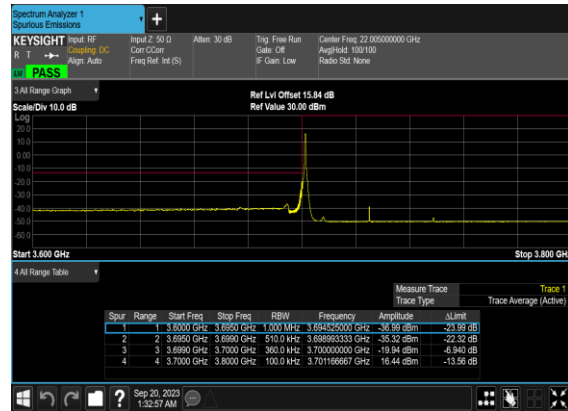
B5_N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



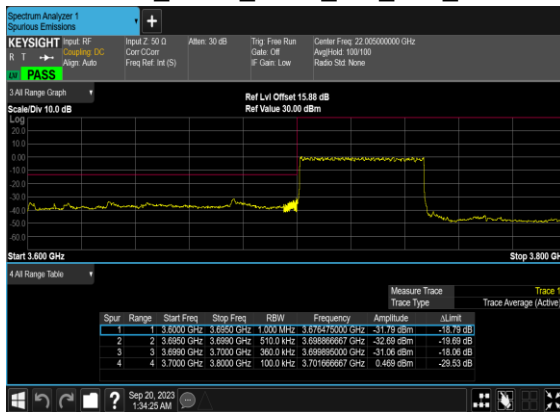
B5_N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



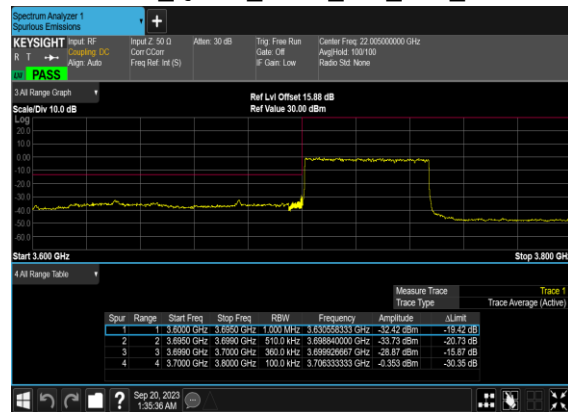
B5_N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



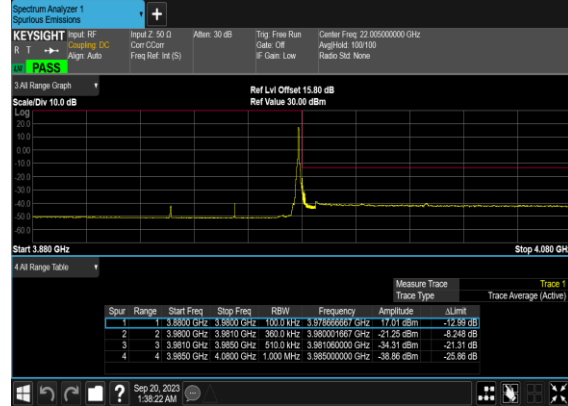
B5_N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



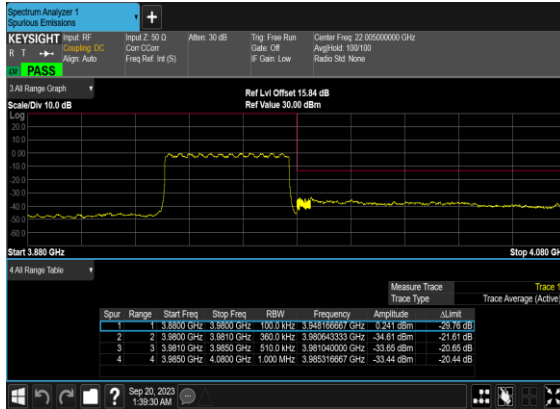
B5_N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



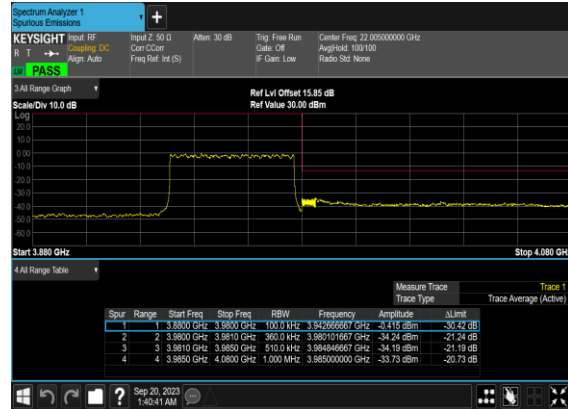
B5_N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



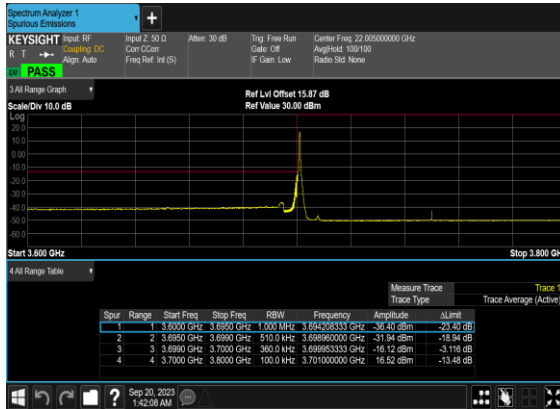
B5_N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



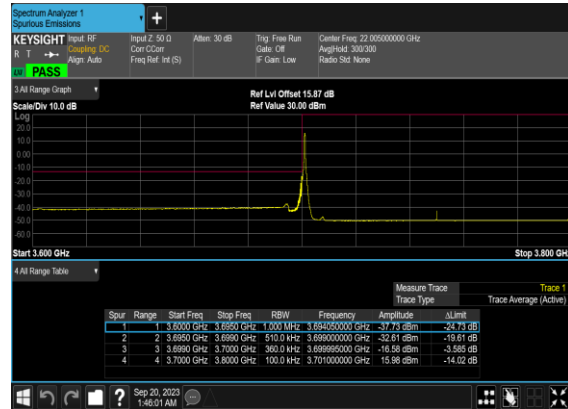
B5_N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



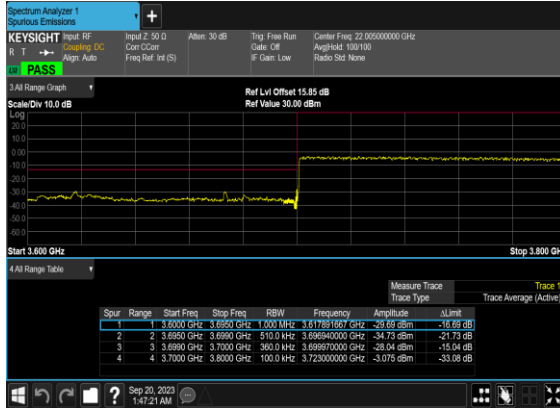
B5_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



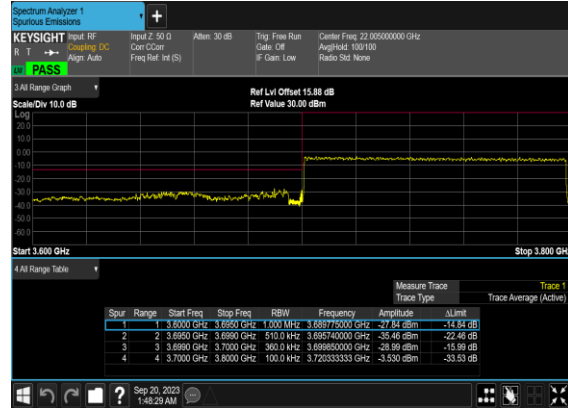
B5_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



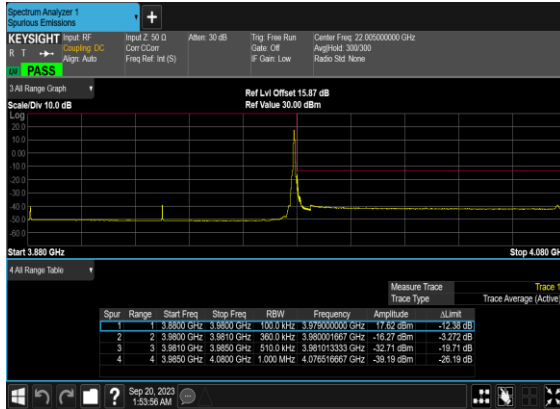
B5_N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



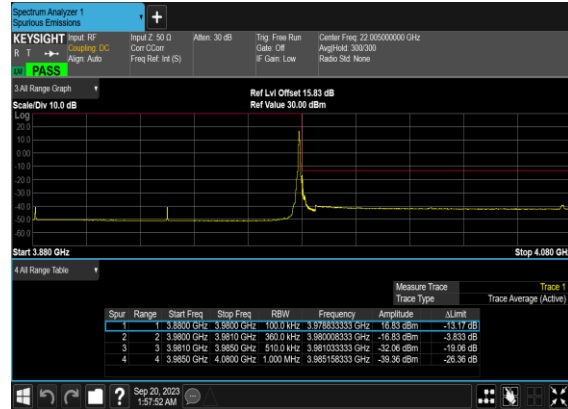
B5_N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



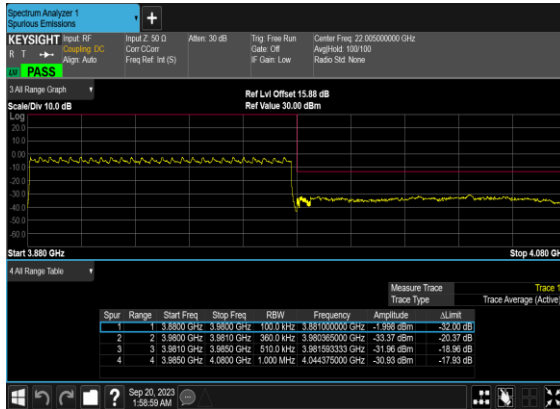
B5_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



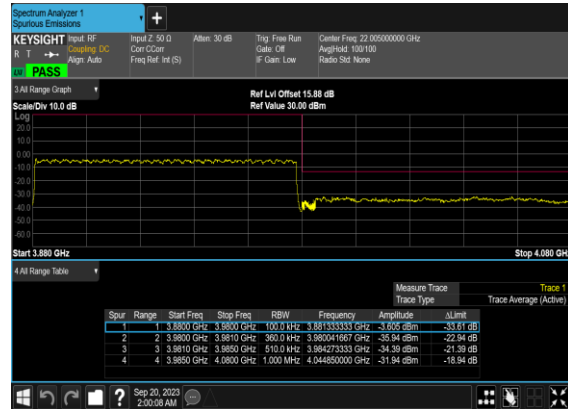
B5_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B5_N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B5_N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N77 MIMO-ANT6

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-2dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT6 Power(dBm)	ANT12 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	647000	3705.0	CP-OFDM QPSK	1@1	20.81	21.36	24.10	22.1	0.1622
77	30	10	647000	3705.0	CP-OFDM 16 QAM	1@1	20.34	20.55	23.46	21.46	0.1400
77	30	10	656000	3840.0	CP-OFDM QPSK	1@1	20.98	21.53	24.27	22.27	0.1687
77	30	10	656000	3840.0	CP-OFDM 16 QAM	1@1	20.45	20.8	23.64	21.64	0.1459
77	30	10	665000	3975.0	CP-OFDM QPSK	1@1	20.77	21.76	24.30	22.3	0.1698
77	30	10	665000	3975.0	CP-OFDM 16 QAM	1@1	20.22	20.98	23.63	21.63	0.1455
77	30	15	647168	3707.52	CP-OFDM QPSK	1@1	20.8	21.24	24.04	22.04	0.1600
77	30	15	647168	3707.52	CP-OFDM 16 QAM	1@1	20.37	20.55	23.47	21.47	0.1403
77	30	15	656000	3840.0	CP-OFDM QPSK	1@1	21.13	21.6	24.38	22.38	0.1730
77	30	15	656000	3840.0	CP-OFDM 16 QAM	1@1	20.55	20.76	23.67	21.67	0.1469
77	30	15	664832	3972.48	CP-OFDM QPSK	1@1	20.59	21.47	24.06	22.06	0.1607
77	30	15	664832	3972.48	CP-OFDM 16 QAM	1@1	20.06	20.74	23.42	21.42	0.1387
77	30	20	647334	3710.01	CP-OFDM QPSK	1@1	20.65	21.06	23.87	21.87	0.1538
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	20.02	20.25	23.15	21.15	0.1303
77	30	20	656000	3840.0	CP-OFDM QPSK	1@1	20.96	21.47	24.23	22.23	0.1671
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@1	20.35	20.72	23.55	21.55	0.1429
77	30	20	664666	3969.99	CP-OFDM QPSK	1@1	20.6	21.5	24.08	22.08	0.1614
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@1	20	20.71	23.38	21.38	0.1374
77	30	30	647668	3715.02	CP-OFDM QPSK	1@1	20.83	21.33	24.10	22.1	0.1622
77	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	20.36	20.55	23.47	21.47	0.1403
77	30	30	656000	3840.0	CP-OFDM QPSK	1@1	21.13	21.69	24.43	22.43	0.1750
77	30	30	656000	3840.0	CP-OFDM 16 QAM	1@1	20.54	20.94	23.75	21.75	0.1496

77	30	30	664332	3964.98	CP-OFDM QPSK	1@1	20.66	21.52	24.12	22.12	0.1629
77	30	30	664332	3964.98	CP-OFDM 16 QAM	1@1	20.07	20.78	23.45	21.45	0.1396
77	30	40	648000	3720.0	CP-OFDM QPSK	1@1	20.8	21.2	24.01	22.01	0.1589
77	30	40	648000	3720.0	CP-OFDM 16 QAM	1@1	20.41	20.53	23.48	21.48	0.1406
77	30	40	656000	3840.0	CP-OFDM QPSK	1@1	20.99	21.57	24.30	22.3	0.1698
77	30	40	656000	3840.0	CP-OFDM 16 QAM	1@1	20.4	20.8	23.61	21.61	0.1449
77	30	40	664000	3960.0	CP-OFDM QPSK	1@1	20.64	21.37	24.03	22.03	0.1596
77	30	40	664000	3960.0	CP-OFDM 16 QAM	1@1	20.12	20.67	23.41	21.41	0.1384
77	30	50	648334	3725.01	CP-OFDM QPSK	1@1	20.98	21.43	24.22	22.22	0.1667
77	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	20.59	20.7	23.66	21.66	0.1466
77	30	50	656000	3840.0	CP-OFDM QPSK	1@1	21.23	21.74	24.50	22.5	0.1778
77	30	50	656000	3840.0	CP-OFDM 16 QAM	1@1	20.71	20.98	23.86	21.86	0.1535
77	30	50	663666	3954.99	CP-OFDM QPSK	1@1	20.99	21.51	24.27	22.27	0.1687
77	30	50	663666	3954.99	CP-OFDM 16 QAM	1@1	20.37	20.74	23.57	21.57	0.1435
77	30	60	648668	3730.02	CP-OFDM QPSK	1@1	20.7	21.2	23.97	21.97	0.1574
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	20.33	20.54	23.45	21.45	0.1396
77	30	60	656000	3840.0	CP-OFDM QPSK	1@1	21	21.44	24.24	22.24	0.1675
77	30	60	656000	3840.0	CP-OFDM 16 QAM	1@1	20.47	20.85	23.67	21.67	0.1469
77	30	60	663332	3949.98	CP-OFDM QPSK	1@1	21.01	21.47	24.26	22.26	0.1683
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@1	20.49	20.83	23.67	21.67	0.1469
77	30	70	649000	3735.0	CP-OFDM QPSK	1@1	15.26	21.46	22.39	20.39	0.1094
77	30	70	649000	3735.0	CP-OFDM 16 QAM	1@1	20.5	20.64	23.58	21.58	0.1439
77	30	70	656000	3840.0	CP-OFDM QPSK	1@1	21.04	21.62	24.35	22.35	0.1718
77	30	70	656000	3840.0	CP-OFDM 16 QAM	1@1	20.41	20.8	23.62	21.62	0.1452
77	30	70	663000	3945.0	CP-OFDM QPSK	1@1	21.14	21.66	24.42	22.42	0.1746
77	30	70	663000	3945.0	CP-OFDM 16 QAM	1@1	20.59	20.84	23.73	21.73	0.1489
77	30	80	649334	3740.01	CP-OFDM QPSK	1@1	20.94	21.45	24.21	22.21	0.1663

77	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	20.38	20.57	23.49	21.49	0.1409
77	30	80	656000	3840.0	CP-OFDM QPSK	1@1	21.01	21.62	24.34	22.34	0.1714
77	30	80	656000	3840.0	CP-OFDM 16 QAM	1@1	20.49	20.84	23.68	21.68	0.1472
77	30	80	662666	3939.99	CP-OFDM QPSK	1@1	21.15	21.67	24.43	22.43	0.1750
77	30	80	662666	3939.99	CP-OFDM 16 QAM	1@1	20.54	20.88	23.72	21.72	0.1486
77	30	90	649668	3745.02	CP-OFDM QPSK	1@1	20.89	21.54	24.24	22.24	0.1675
77	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	20.47	20.72	23.61	21.61	0.1449
77	30	90	656000	3840.0	CP-OFDM QPSK	1@1	21.05	21.62	24.35	22.35	0.1718
77	30	90	656000	3840.0	CP-OFDM 16 QAM	1@1	20.64	20.96	23.81	21.81	0.1517
77	30	90	662332	3934.98	CP-OFDM QPSK	1@1	21.29	21.77	24.55	22.55	0.1799
77	30	90	662332	3934.98	CP-OFDM 16 QAM	1@1	21.33	21.71	24.53	22.53	0.1791
77	30	100	650000	3750.0	CP-OFDM QPSK	137@68	20.54	21.07	23.82	21.82	0.1521
77	30	100	650000	3750.0	CP-OFDM QPSK	1@1	20.99	21.58	24.31	22.31	0.1702
77	30	100	650000	3750.0	CP-OFDM QPSK	1@271	21.01	21.91	24.49	22.49	0.1774
77	30	100	650000	3750.0	CP-OFDM 16 QAM	137@68	20.4	20.81	23.62	21.62	0.1452
77	30	100	650000	3750.0	CP-OFDM 16 QAM	1@1	20.54	20.71	23.64	21.64	0.1459
77	30	100	650000	3750.0	CP-OFDM 16 QAM	1@271	20.61	21.01	23.82	21.82	0.1521
77	30	100	650000	3750.0	CP-OFDM 64 QAM	137@68	18.79	19.23	22.03	20.03	0.1007
77	30	100	650000	3750.0	CP-OFDM 64 QAM	1@1	18.96	18.98	21.98	19.98	0.0995
77	30	100	650000	3750.0	CP-OFDM 64 QAM	1@271	18.93	19.29	22.12	20.12	0.1028
77	30	100	650000	3750.0	CP-OFDM 256 QAM	137@68	18.81	19.2	22.02	20.02	0.1005
77	30	100	650000	3750.0	CP-OFDM 256 QAM	1@1	15.99	16.35	19.18	17.18	0.0522
77	30	100	650000	3750.0	CP-OFDM 256 QAM	1@271	15.88	16.59	19.26	17.26	0.0532
77	30	100	656000	3840.0	CP-OFDM QPSK	137@68	21.01	21.25	24.14	22.14	0.1637
77	30	100	656000	3840.0	CP-OFDM QPSK	1@1	21.06	21.65	24.38	22.38	0.1730
77	30	100	656000	3840.0	CP-OFDM QPSK	1@271	21.07	21.55	24.33	22.33	0.1710
77	30	100	656000	3840.0	CP-OFDM 16 QAM	137@68	20.56	21	23.80	21.8	0.1514

77	30	100	656000	3840.0	CP-OFDM 16 QAM	1@1	20.53	20.88	23.72	21.72	0.1486
77	30	100	656000	3840.0	CP-OFDM 16 QAM	1@271	20.56	20.72	23.65	21.65	0.1462
77	30	100	656000	3840.0	CP-OFDM 64 QAM	137@68	18.96	19.46	22.23	20.23	0.1054
77	30	100	656000	3840.0	CP-OFDM 64 QAM	1@1	19.13	19.35	22.25	20.25	0.1059
77	30	100	656000	3840.0	CP-OFDM 64 QAM	1@271	19.02	19.16	22.10	20.1	0.1023
77	30	100	656000	3840.0	CP-OFDM 256 QAM	137@68	16.01	16.08	19.06	17.06	0.0508
77	30	100	656000	3840.0	CP-OFDM 256 QAM	1@1	15.9	16.61	19.28	17.28	0.0535
77	30	100	656000	3840.0	CP-OFDM 256 QAM	1@271	15.96	16.5	19.25	17.25	0.0531
77	30	100	662000	3930.0	CP-OFDM QPSK	137@68	20.75	21.28	24.03	22.03	0.1596
77	30	100	662000	3930.0	CP-OFDM QPSK	1@1	21.42	21.87	24.66	22.66	0.1845
77	30	100	662000	3930.0	CP-OFDM QPSK	1@271	20.94	21.96	24.49	22.49	0.1774
77	30	100	662000	3930.0	CP-OFDM 16 QAM	137@68	20.38	21.02	23.72	21.72	0.1486
77	30	100	662000	3930.0	CP-OFDM 16 QAM	1@1	20.82	21.04	23.94	21.94	0.1563
77	30	100	662000	3930.0	CP-OFDM 16 QAM	1@271	20.34	21.14	23.77	21.77	0.1503
77	30	100	662000	3930.0	CP-OFDM 64 QAM	137@68	18.87	19.52	22.22	20.22	0.1052
77	30	100	662000	3930.0	CP-OFDM 64 QAM	1@1	19.3	19.45	22.39	20.39	0.1094
77	30	100	662000	3930.0	CP-OFDM 64 QAM	1@271	18.89	19.57	22.25	20.25	0.1059
77	30	100	662000	3930.0	CP-OFDM 256 QAM	137@68	15.88	16.55	19.24	17.24	0.0530
77	30	100	662000	3930.0	CP-OFDM 256 QAM	1@1	16.25	16.77	19.53	17.53	0.0566
77	30	100	662000	3930.0	CP-OFDM 256 QAM	1@271	15.76	16.83	19.34	17.34	0.0542

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0048	PASS	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0036	PASS	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0060	PASS	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0060	PASS	-30°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0058	PASS	-20°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0037	PASS	-10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0033	PASS	0°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0021	PASS	10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0048	PASS	20°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0022	PASS	30°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0035	PASS	40°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0069	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	9.46	13	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	10.29	13	PASS

N77(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH

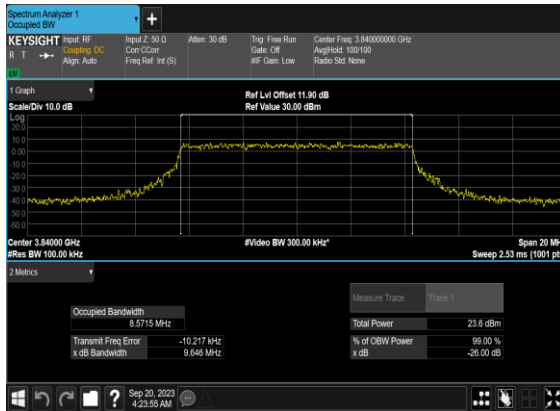


Occupied Bandwidth

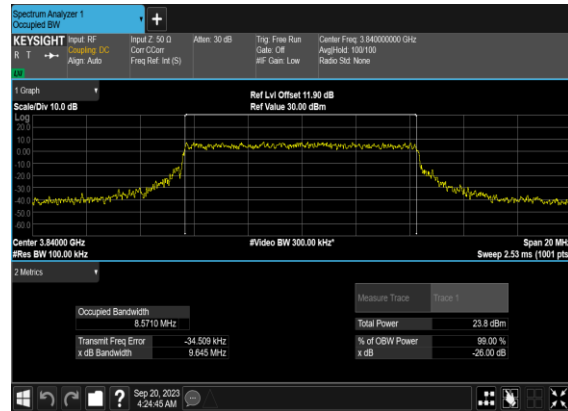
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5715	9.646
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.571	9.645
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5616	9.772
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.582	9.4
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.556	14.78
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.544	14.47
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.513	14.54
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.538	14.83
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.172	19.25
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.226	19.27
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.223	19.45
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.244	19.62
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.82	29.23
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.817	29.17
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.929	29.2
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.817	29.27
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.919	39.15
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.806	39.76
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.851	39.33
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.885	39.35
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.425	49.36
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.441	49.04
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.537	49.34
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.355	48.99
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.795	59.71

77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.907	59.72
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.838	59.72
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.855	59.85
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.561	69.55
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.475	69.67
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.692	69.62
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.363	69.72
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.314	80.13
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.423	80.23
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.392	80.27
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.451	79.96
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.439	90.22
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.511	90.42
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.56	90.36
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.452	90.43
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.686	100.4
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.52	100.5
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.461	100.7
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.657	100.5

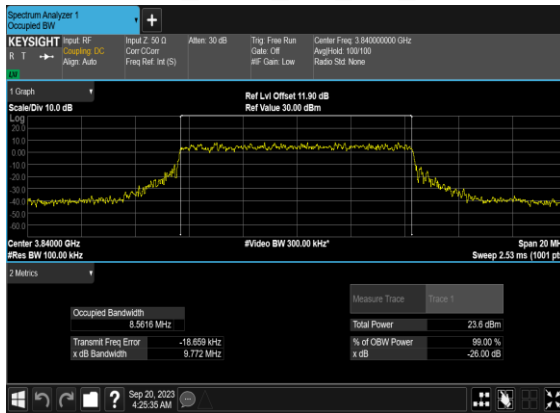
N77(10M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



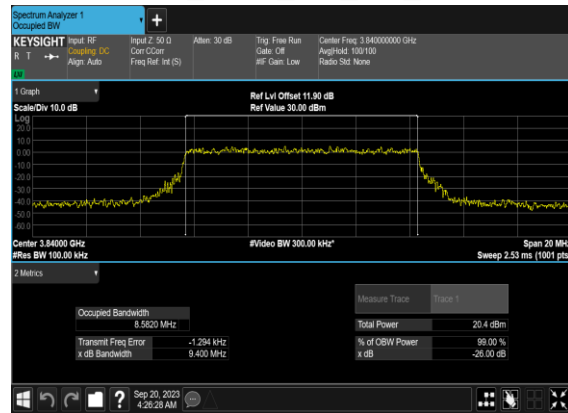
N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



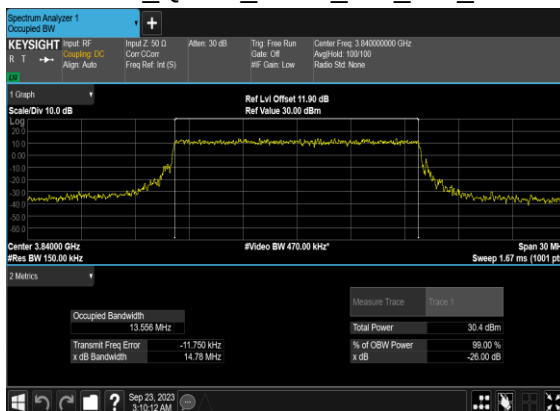
N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



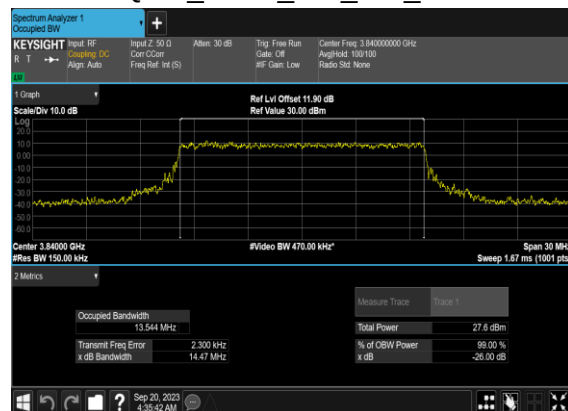
N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



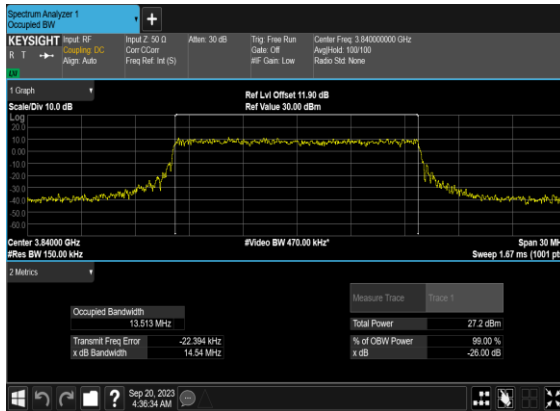
N77(15M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



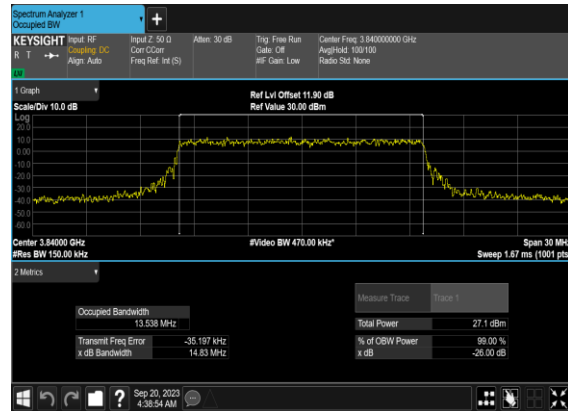
N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



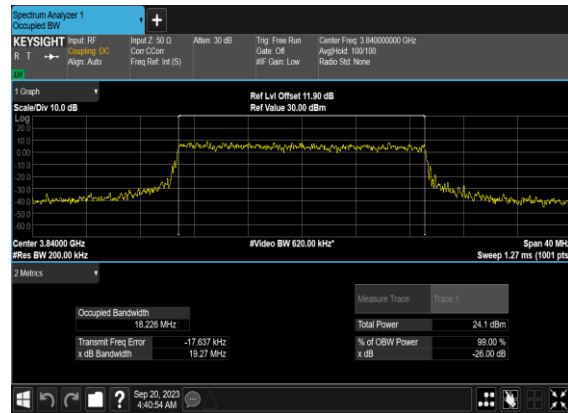
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QAM_Outer_Full_Mid_CH



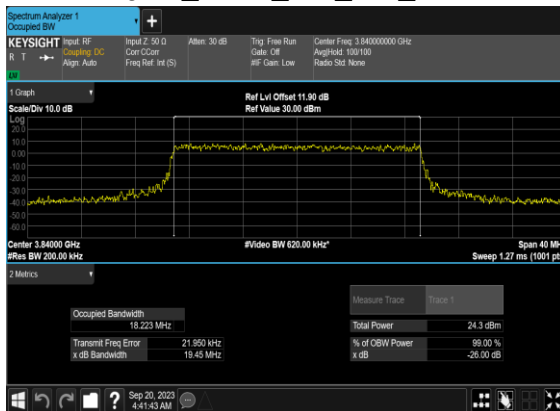
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OFDM_QPSK_Outer_Full_Mid_CH



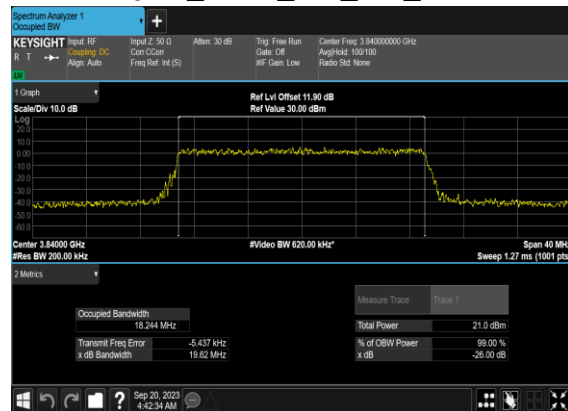
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QAM_Outer_Full_Mid_CH



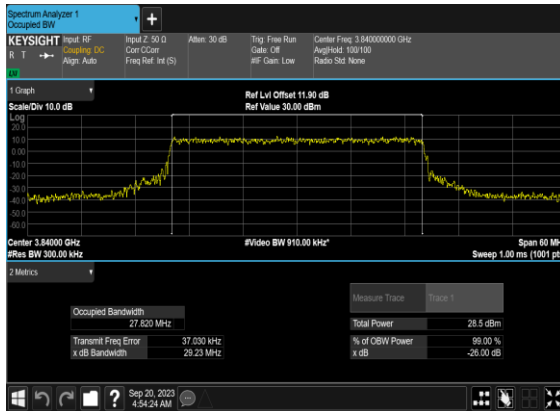
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QAM_Outer_Full_Mid_CH



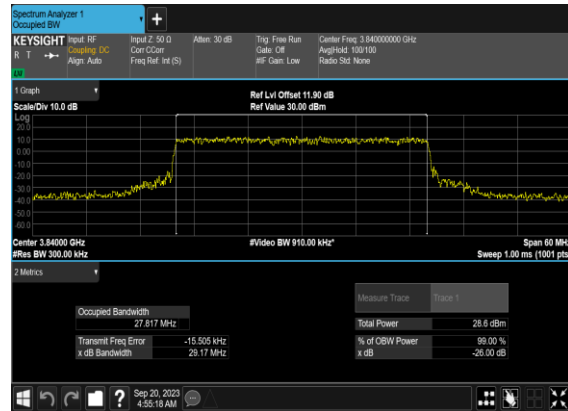
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QAM_Outer_Full_Mid_CH



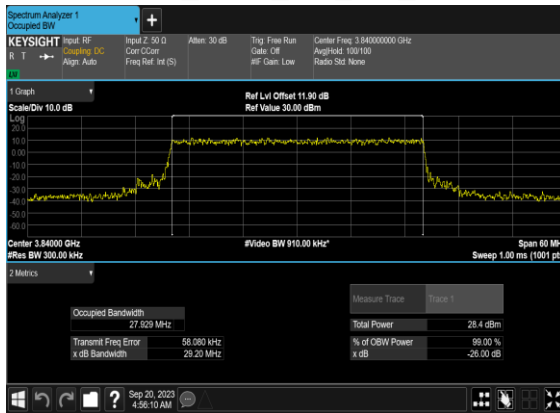
N77(30M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



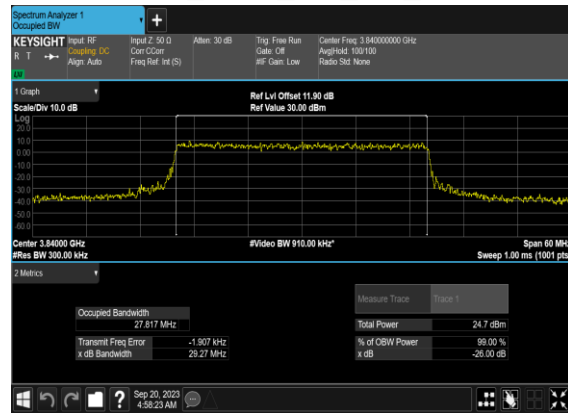
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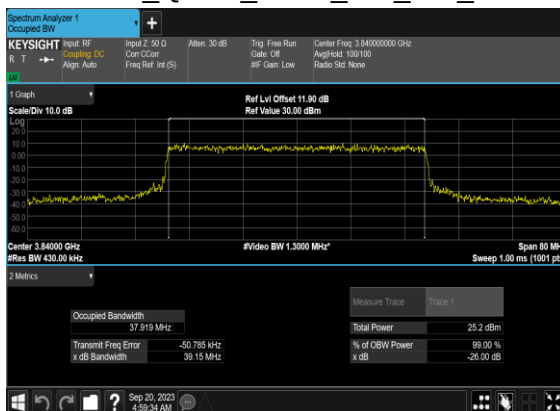
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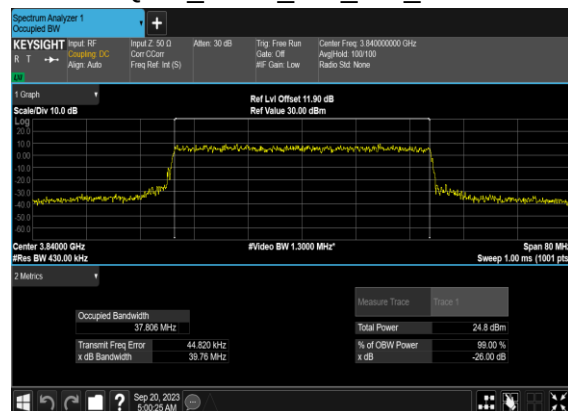
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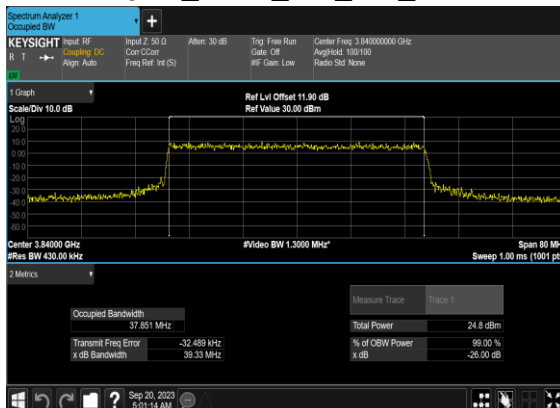
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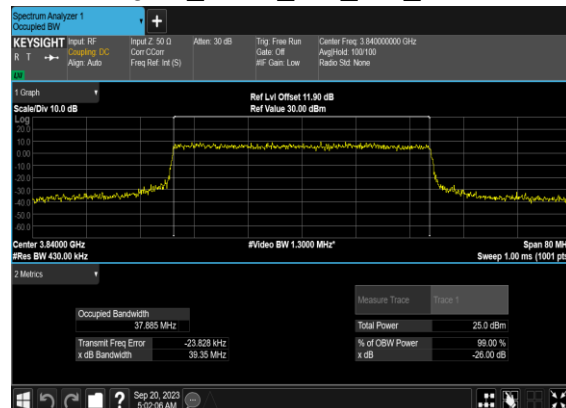
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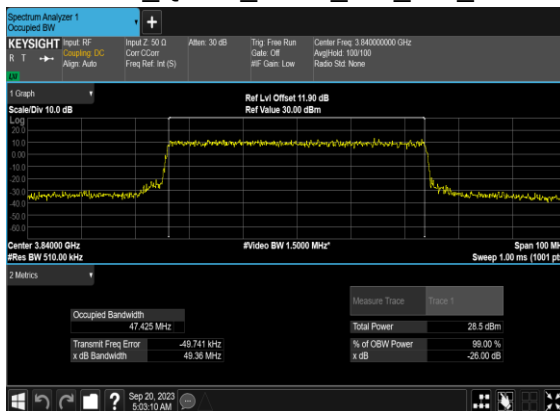
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QAM_Outer_Full_Mid_CH



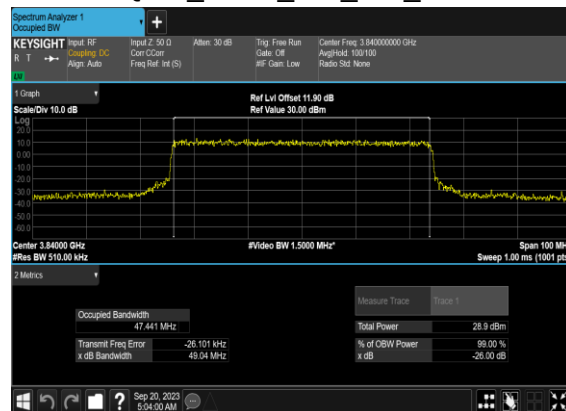
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QAM_Outer_Full_Mid_CH



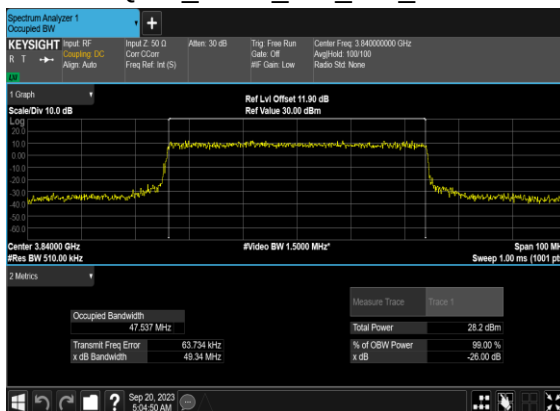
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



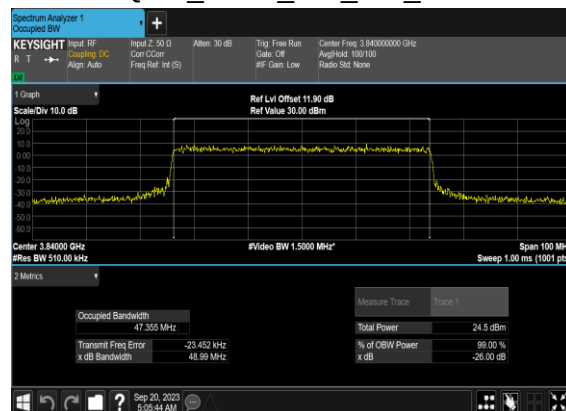
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QAM_Outer_Full_Mid_CH



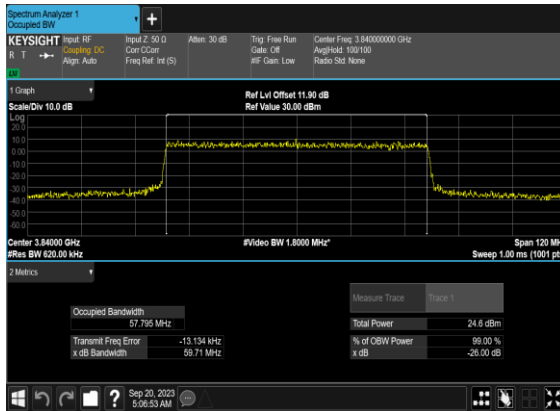
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QAM_Outer_Full_Mid_CH



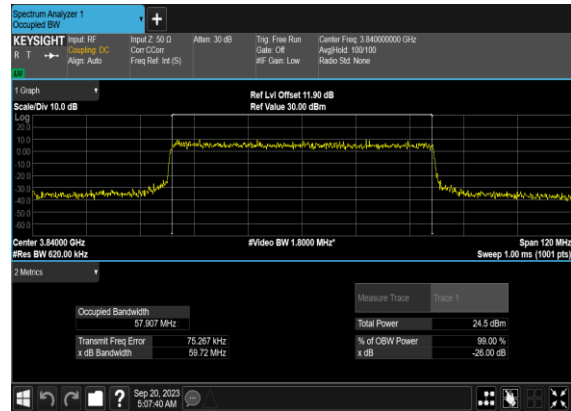
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QAM_Outer_Full_Mid_CH



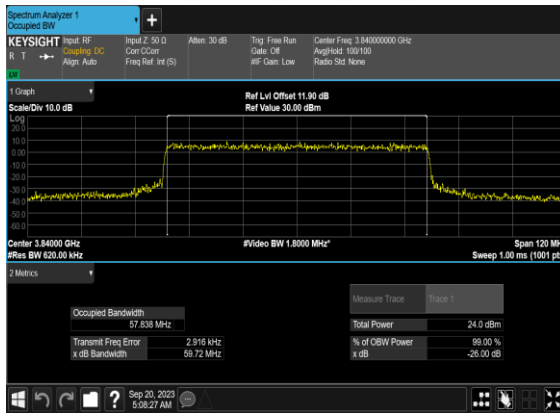
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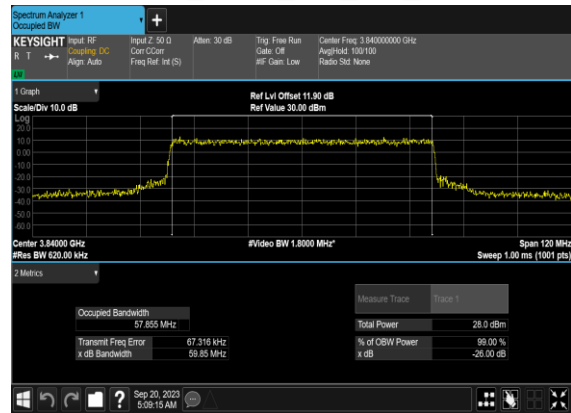
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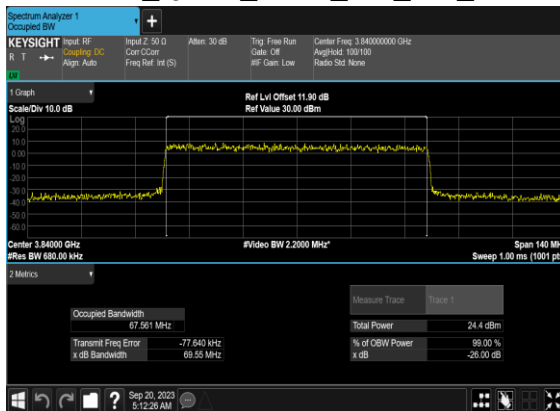
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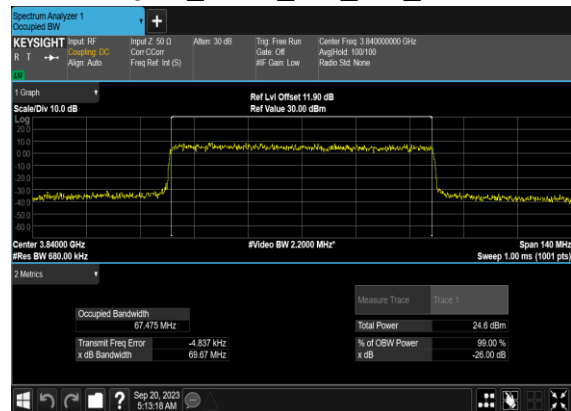
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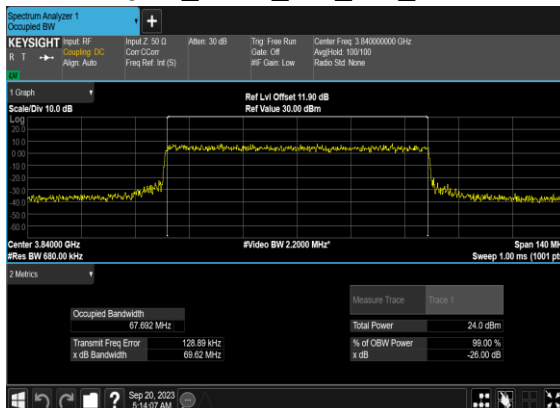
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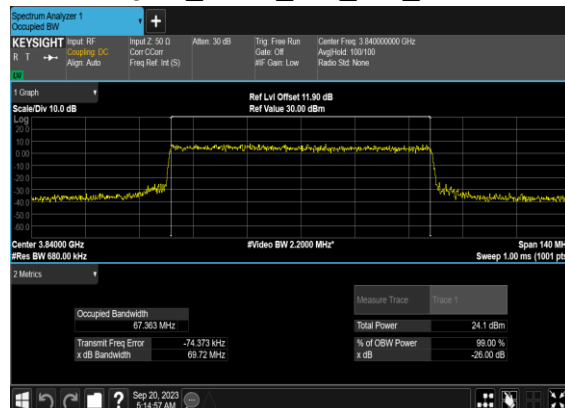
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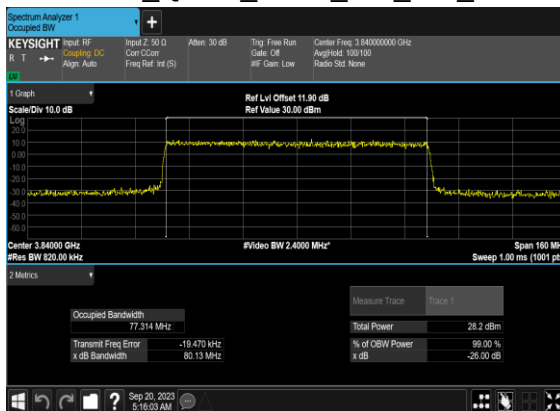
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QAM_Outer_Full_Mid_CH



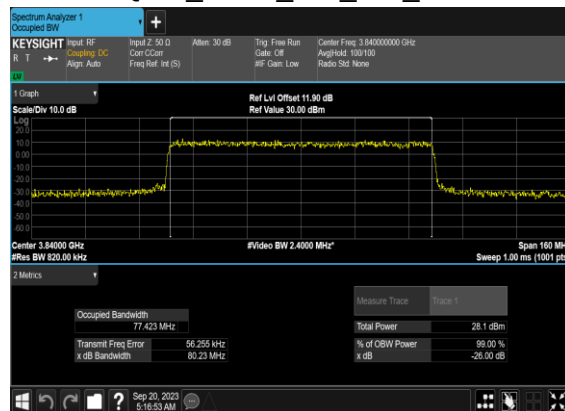
N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



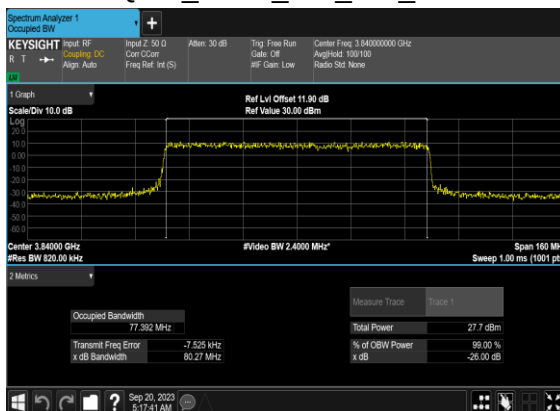
N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



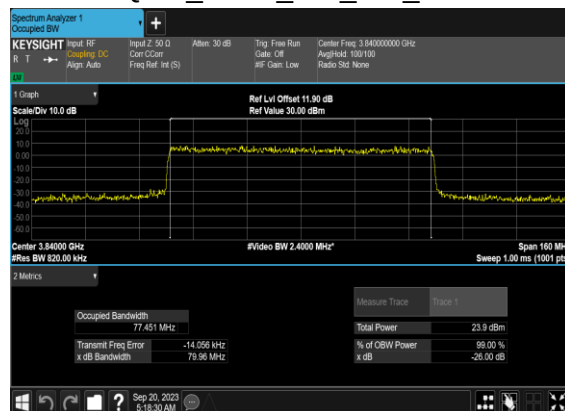
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QAM_Outer_Full_Mid_CH



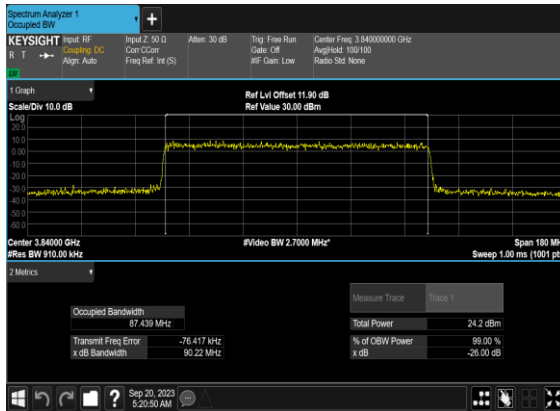
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QAM_Outer_Full_Mid_CH



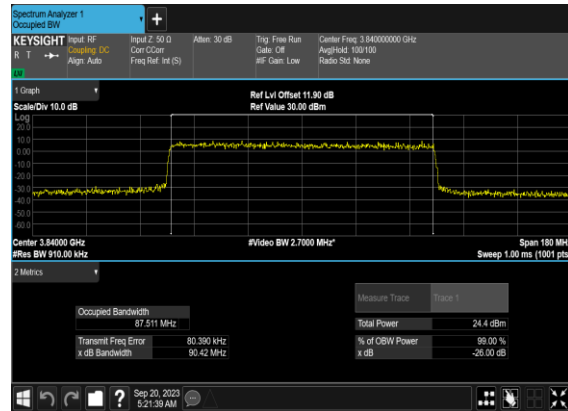
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QAM_Outer_Full_Mid_CH



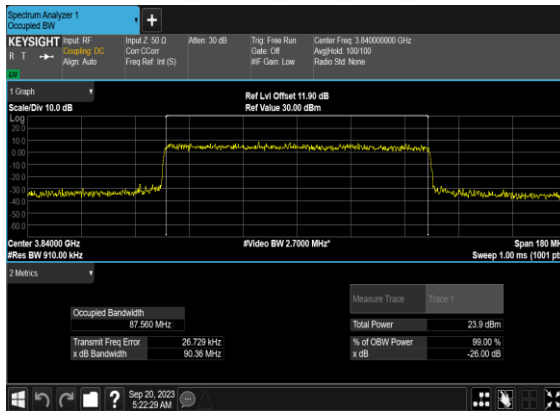
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OFDM_QPSK_Outer_Full_Mid_CH



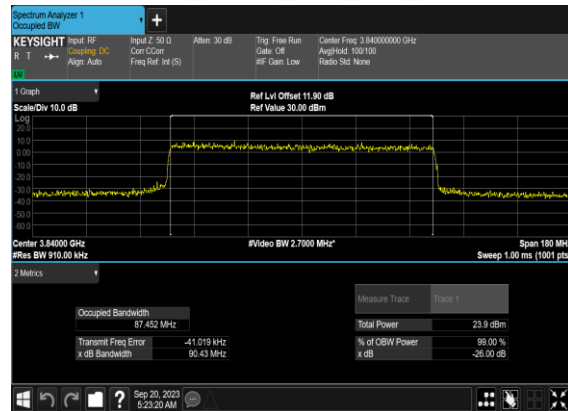
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QAM_Outer_Full_Mid_CH



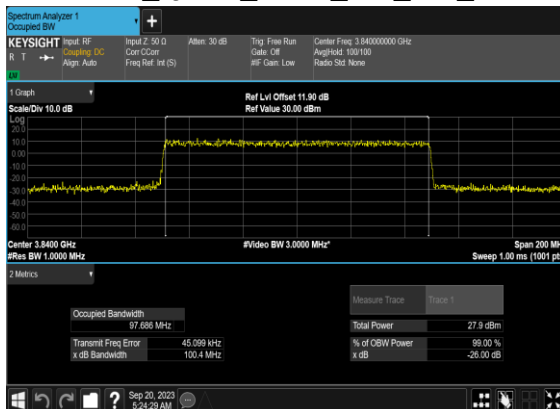
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QAM_Outer_Full_Mid_CH



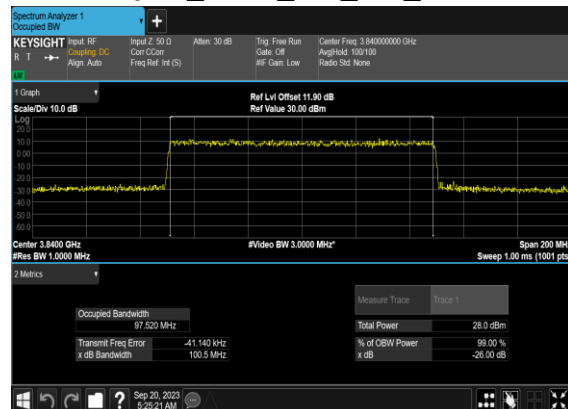
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QAM_Outer_Full_Mid_CH



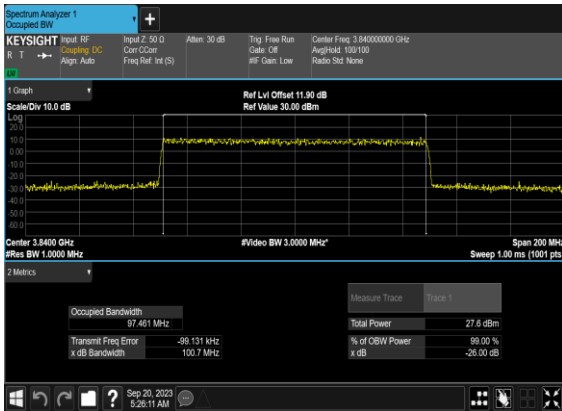
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OFDM_QPSK_Outer_Full_Mid_CH



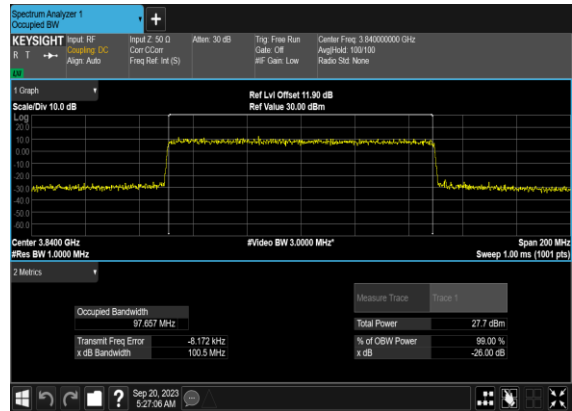
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QAM_Outer_Full_Mid_CH



QAM_Outer_Full_Mid_CH



QAM_Outer_Full_Mid_CH

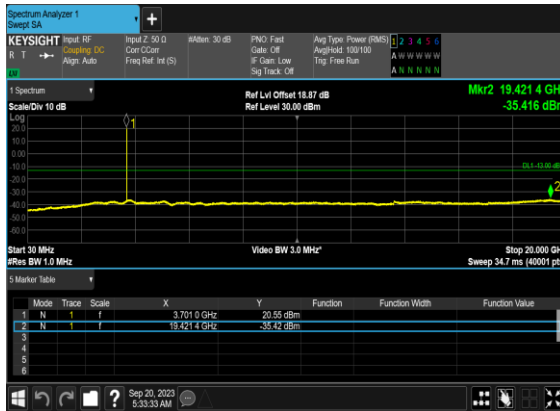


Conducted Spurious Emissions

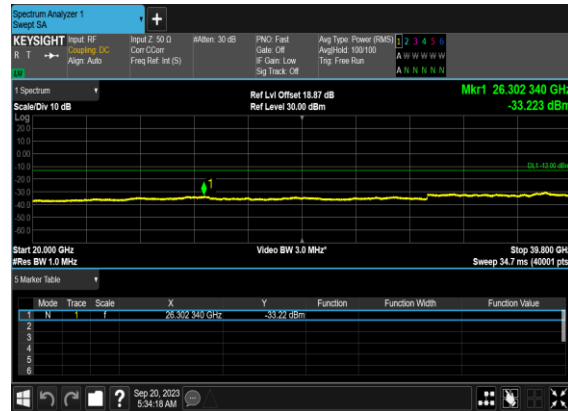
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	---
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	30	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	---
77	30	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	---
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	30	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	---
77	30	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---

77	30	100	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	1@0	see graph	---
77	30	100	662000	3930.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	1@0	see graph	PASS

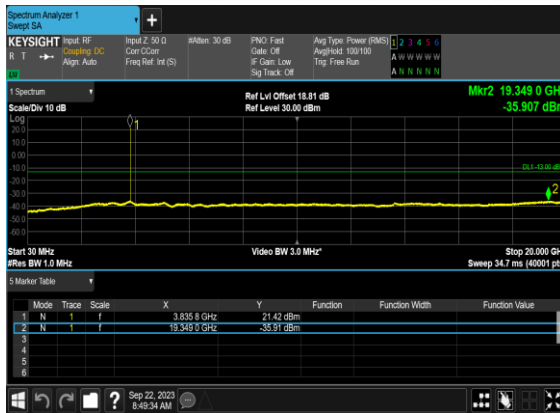
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



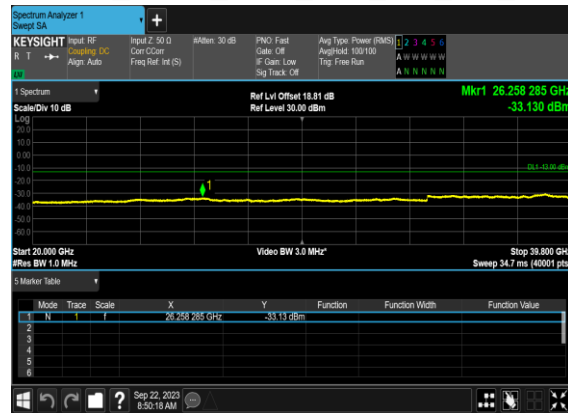
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



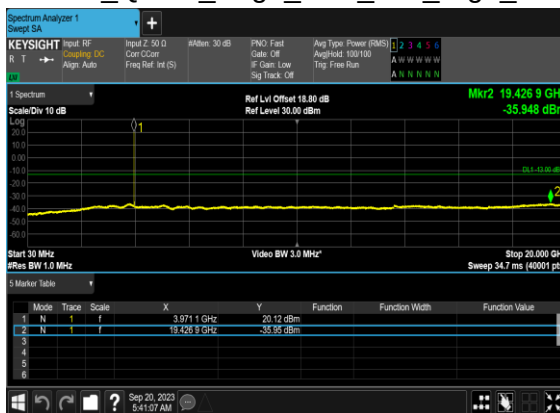
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



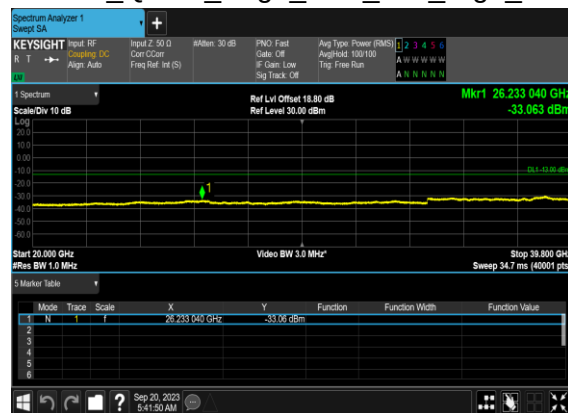
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



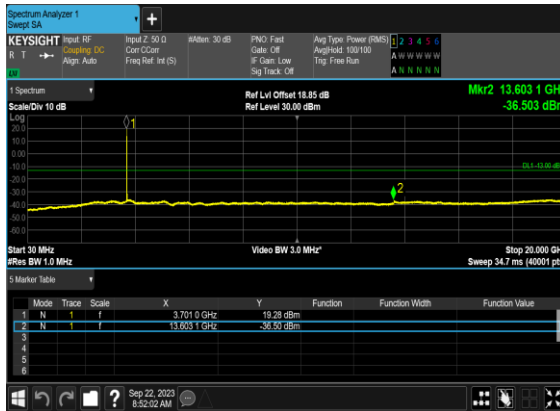
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



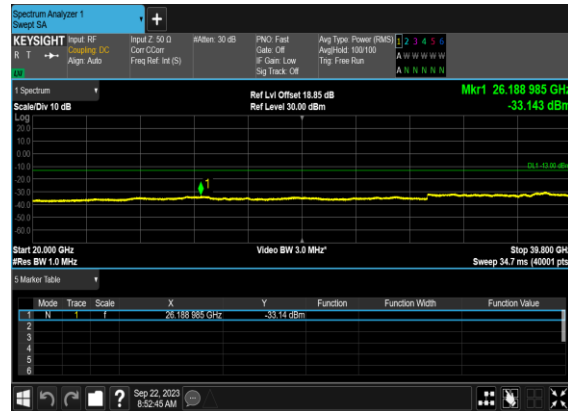
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



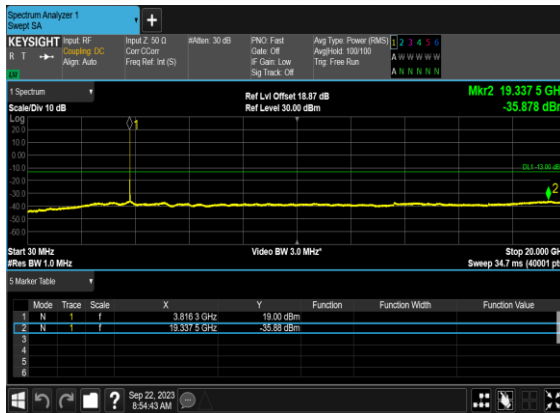
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



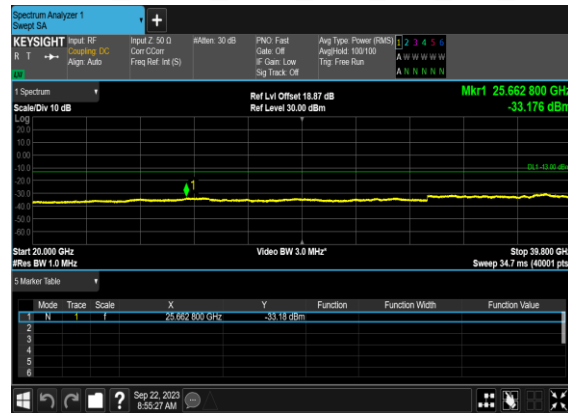
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



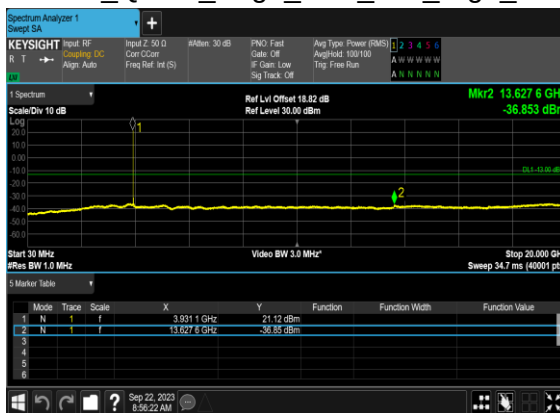
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



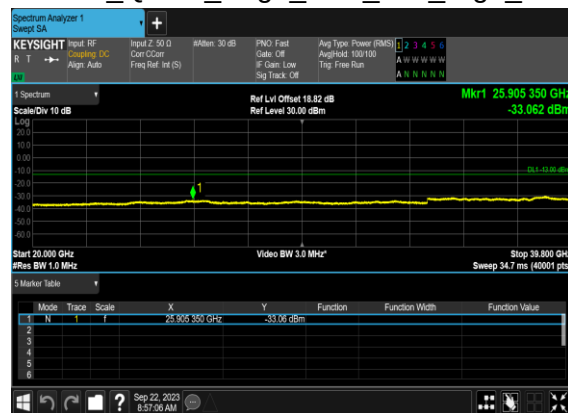
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



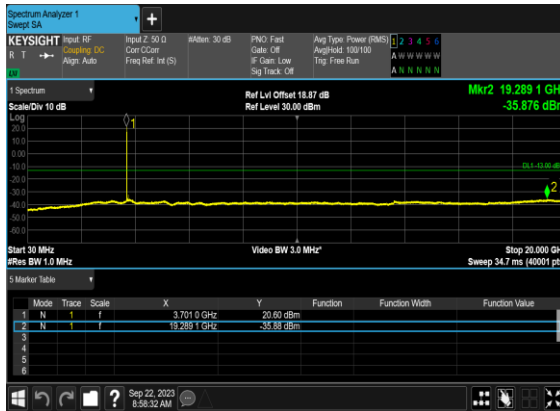
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



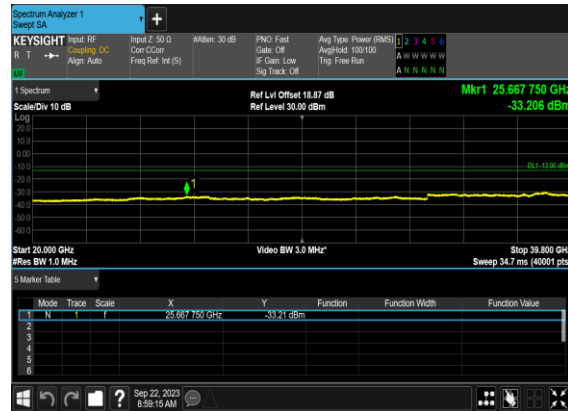
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



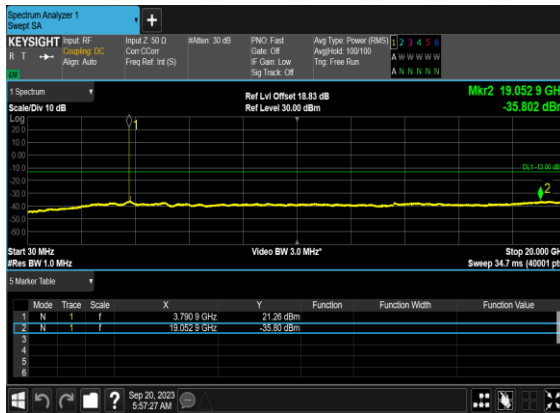
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



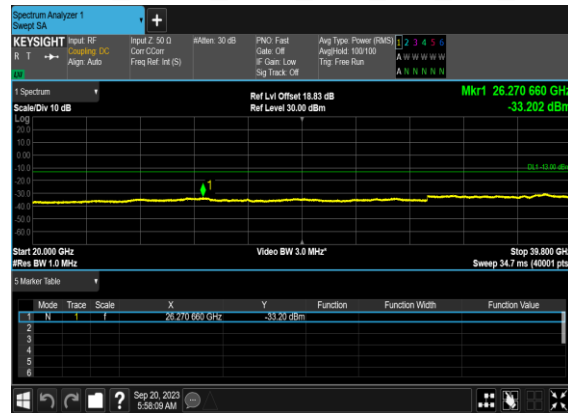
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



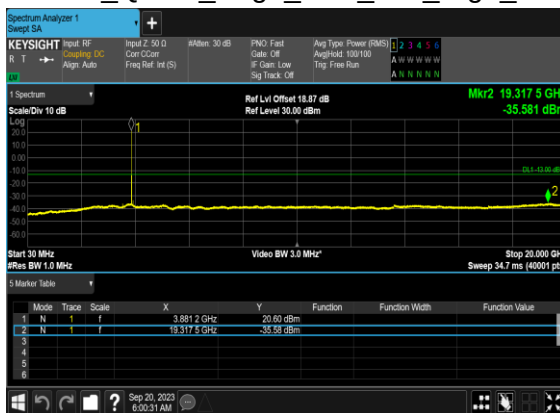
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



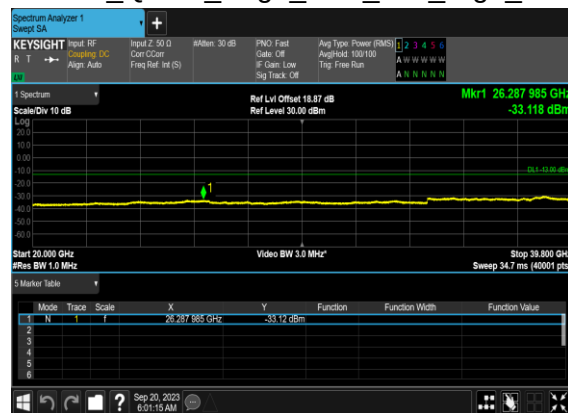
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



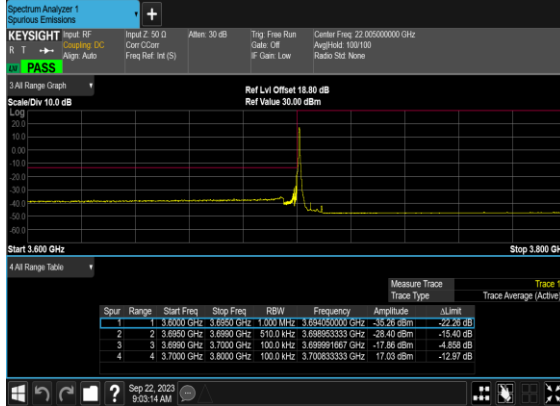
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



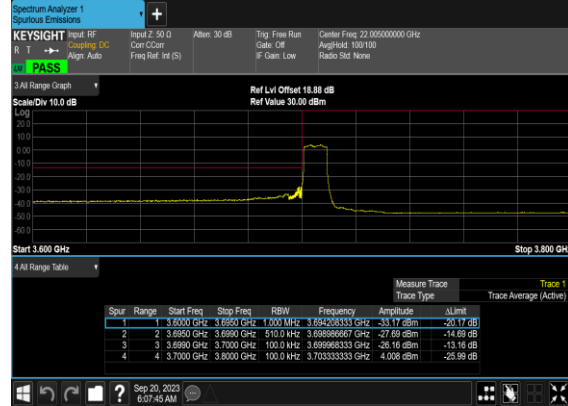
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	CP-OFDM QPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	CP-OFDM QPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	CP-OFDM QPSK	24@0	see graph	PASS
77	30	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	CP-OFDM QPSK	133@0	see graph	PASS
77	30	50	663666	3954.99	CP-OFDM QPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	CP-OFDM QPSK	133@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	273@0	see graph	PASS

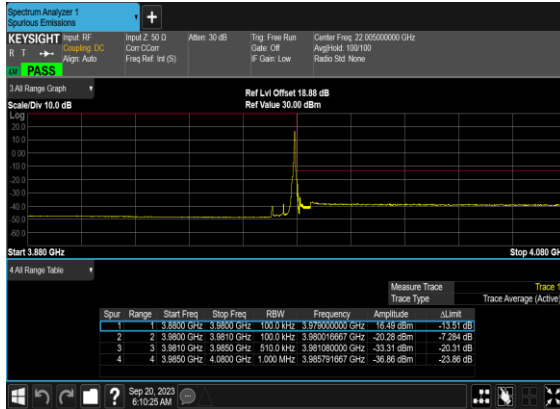
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



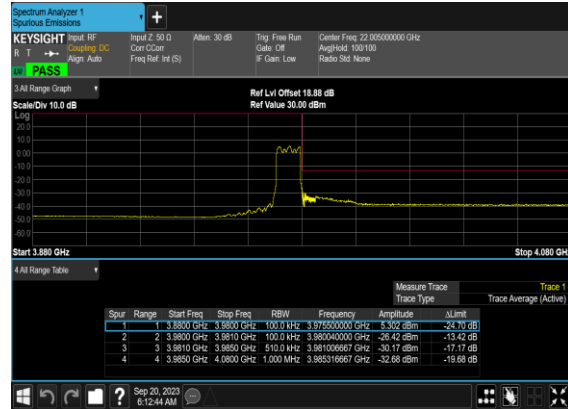
N77(10M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



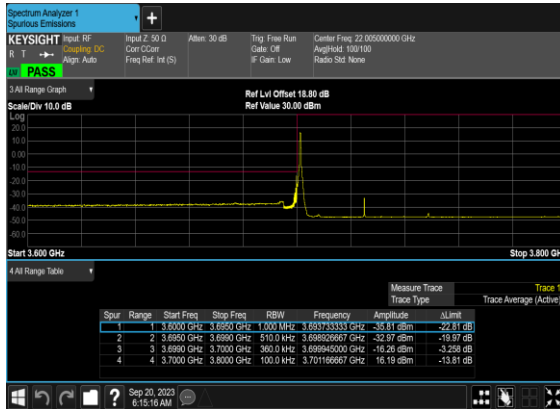
N77(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



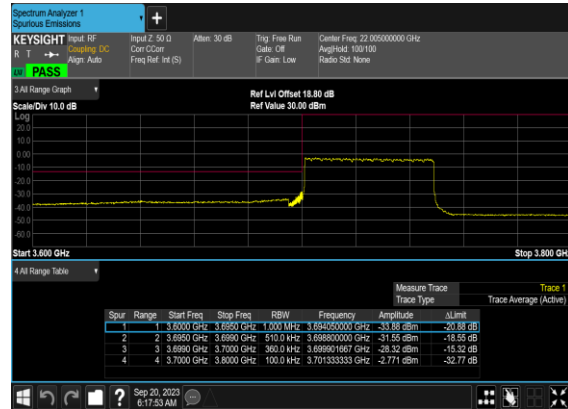
N77(10M)_CP-
OFDM_QPSK_Outer_Full_High_CH



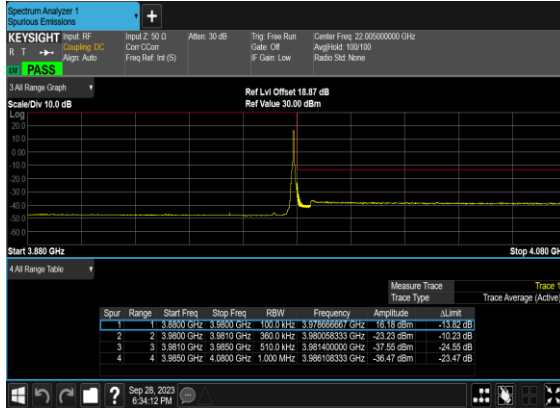
N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



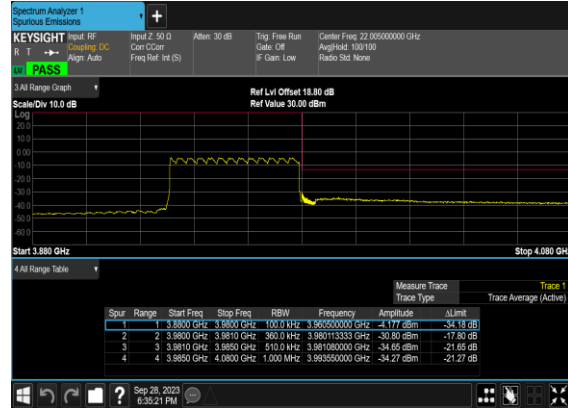
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



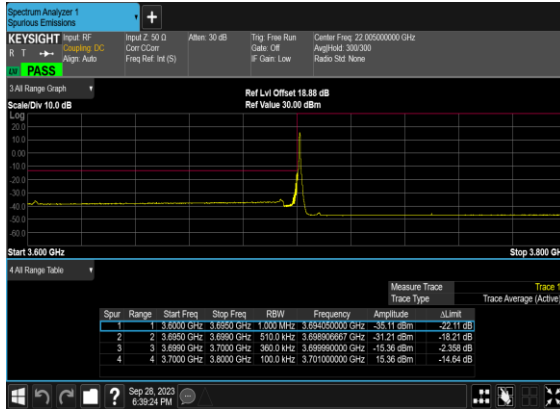
N77(50M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



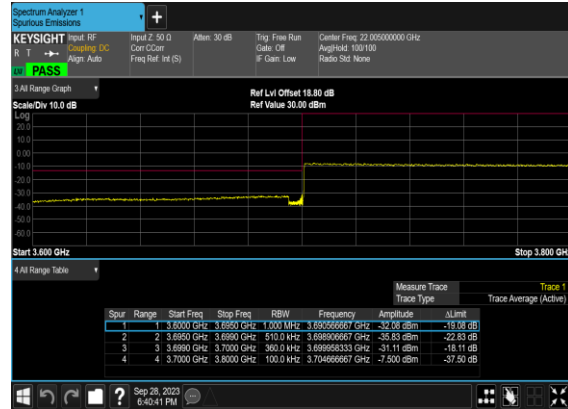
N77(50M)_CP-
OFDM_QPSK_Outer_Full_High_CH



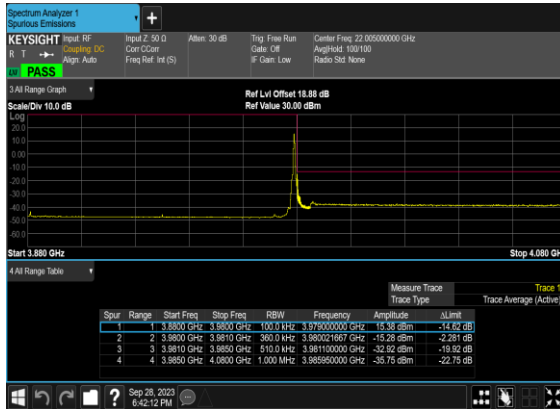
N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



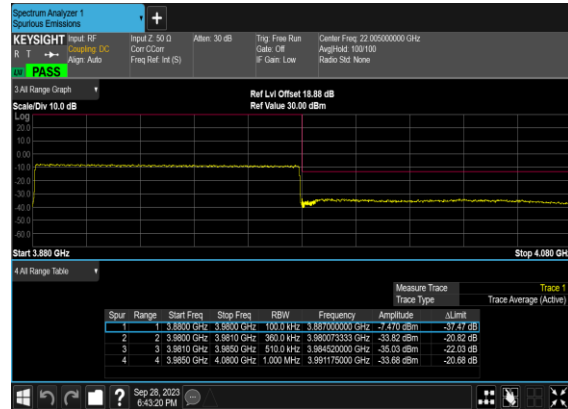
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_CP-
OFDM_QPSK_Outer_Full_High_CH



FR1 N77 MIMO-ANT12

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0034	PASS	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0059	PASS	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0043	PASS	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0042	PASS	-30°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0043	PASS	-20°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0053	PASS	-10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0039	PASS	0°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0022	PASS	10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0034	PASS	20°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0028	PASS	30°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0045	PASS	40°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0066	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	9.88	13	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	10.64	13	PASS

N77(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP- 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)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.567	9.676
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5957	9.52
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5699	9.534
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5598	9.434
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.571	15.0
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.577	14.71
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.546	14.39
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.611	14.81
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.172	19.12
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.238	19.26
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.202	19.24
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.208	19.5
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.887	29.27
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.873	29.01
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.711	29.25
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.815	29.07
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.789	39.38
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.953	39.54
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.761	39.46
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.778	39.28
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.421	49.4
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.576	48.99
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.407	49.07
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.574	49.14
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.899	60.2

77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.822	59.81
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.841	59.78
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.717	59.67
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.389	69.6
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.487	69.52
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.577	69.55
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.535	69.52
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.472	80.29
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.611	79.88
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.449	79.98
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.592	80.01
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.534	90.37
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.489	90.24
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.465	90.39
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.557	90.29
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.525	100.6
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.663	100.5
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.365	100.4
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.522	100.6