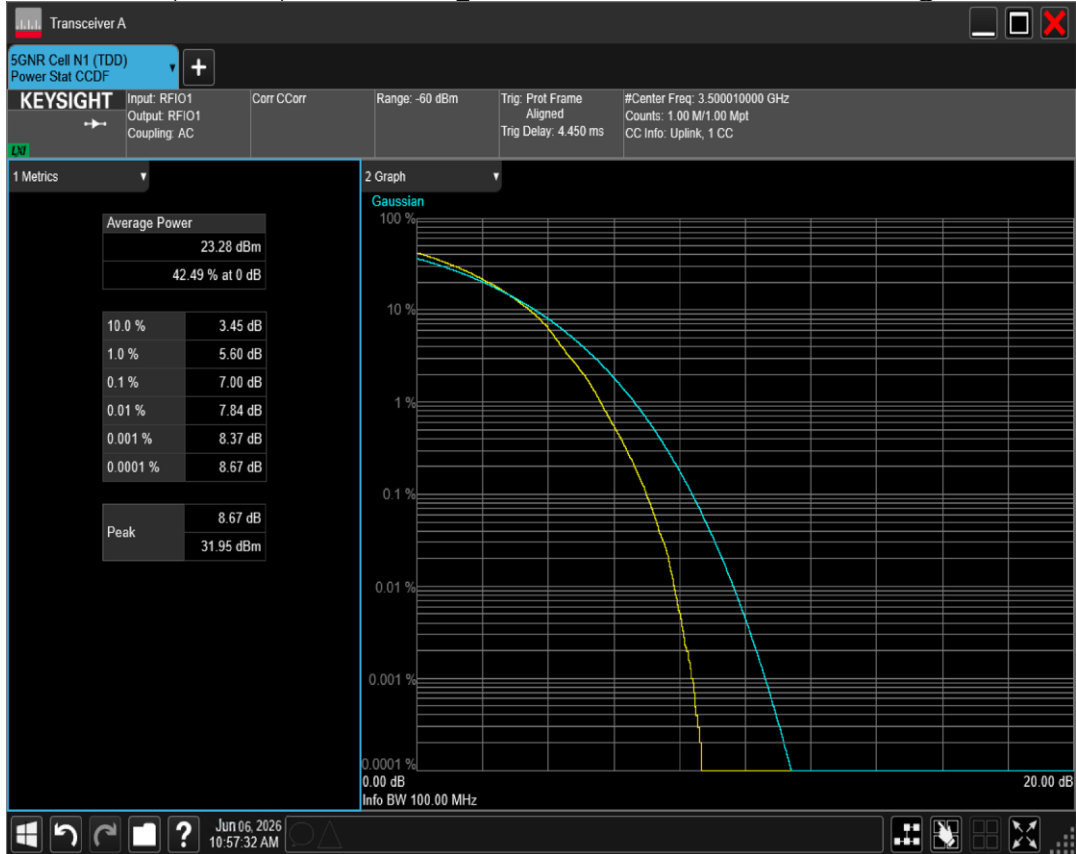
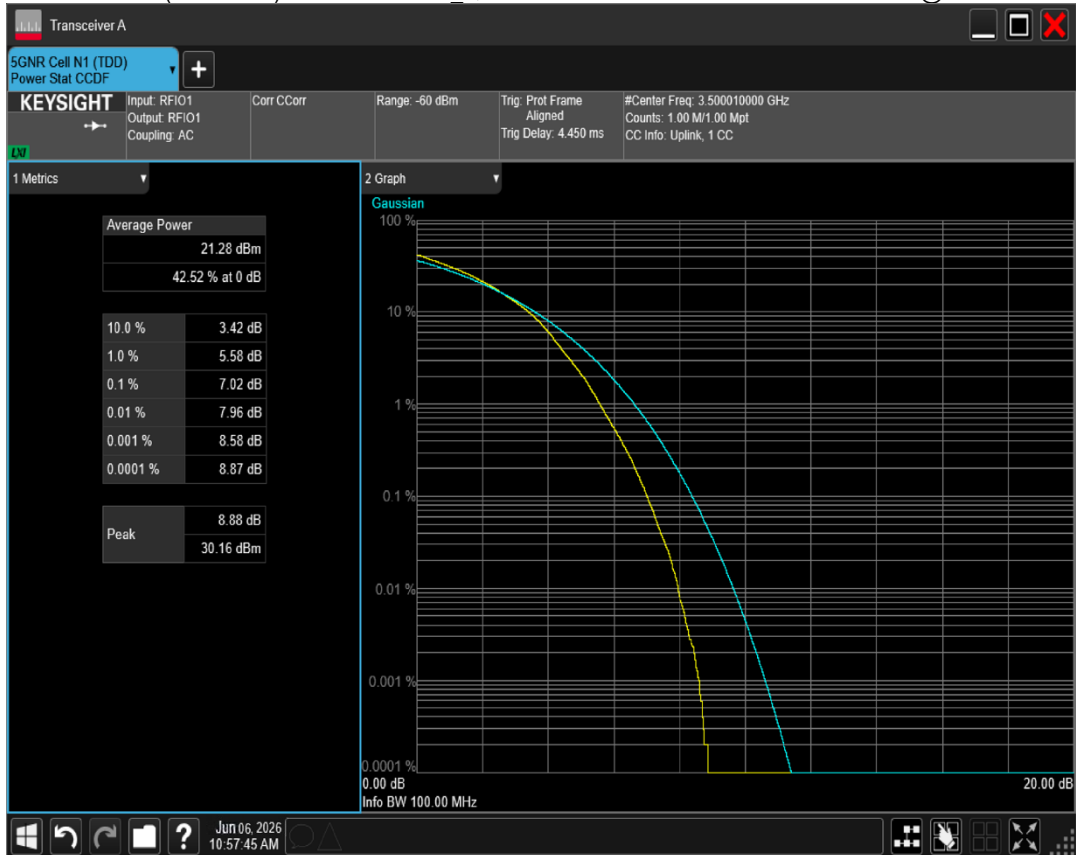


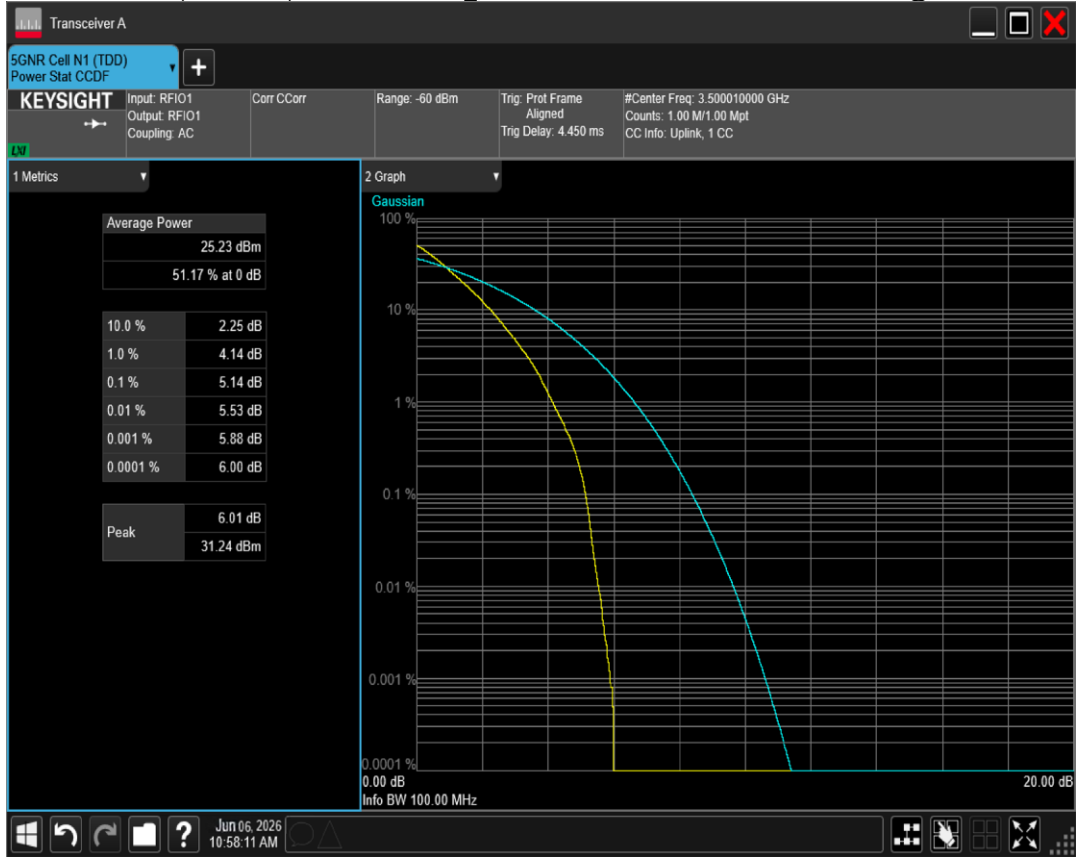
n77(3450-3550) SCS=30kHz DFT_QAM64 BW=80MHz Channel=633334 RB=216@0



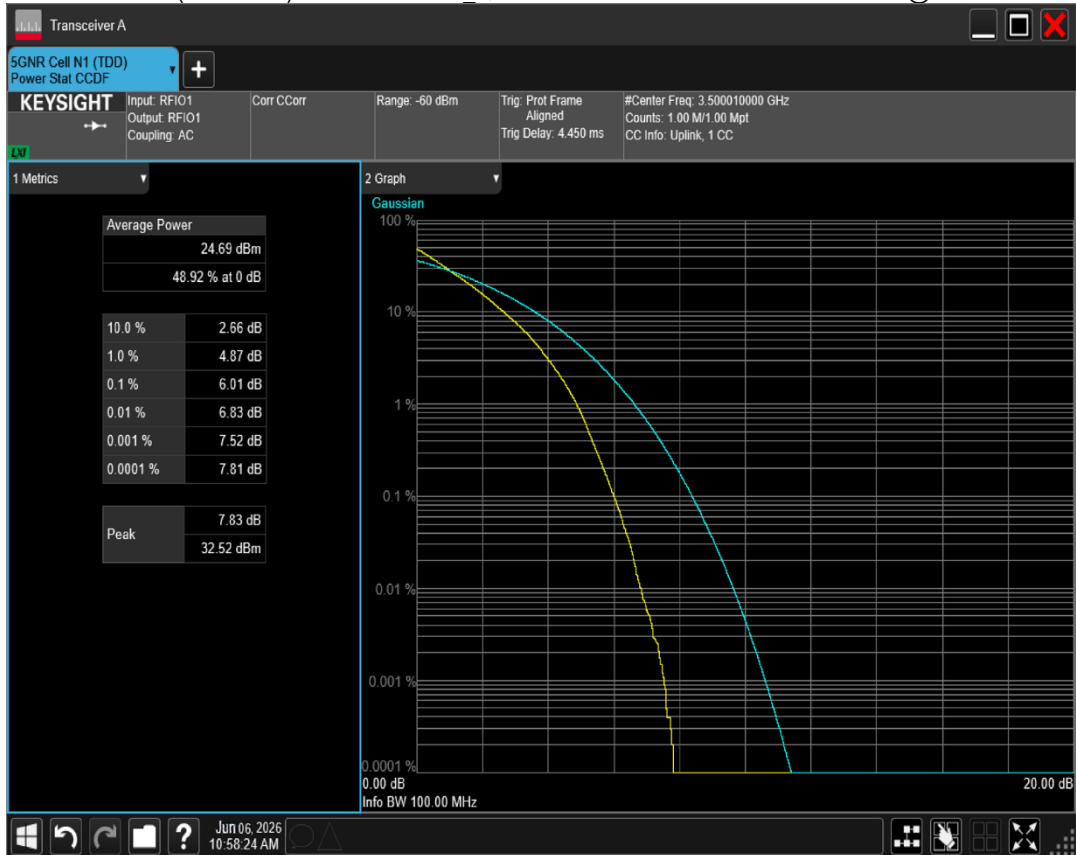
n77(3450-3550) SCS=30kHz DFT_QAM256 BW=80MHz Channel=633334 RB=216@0



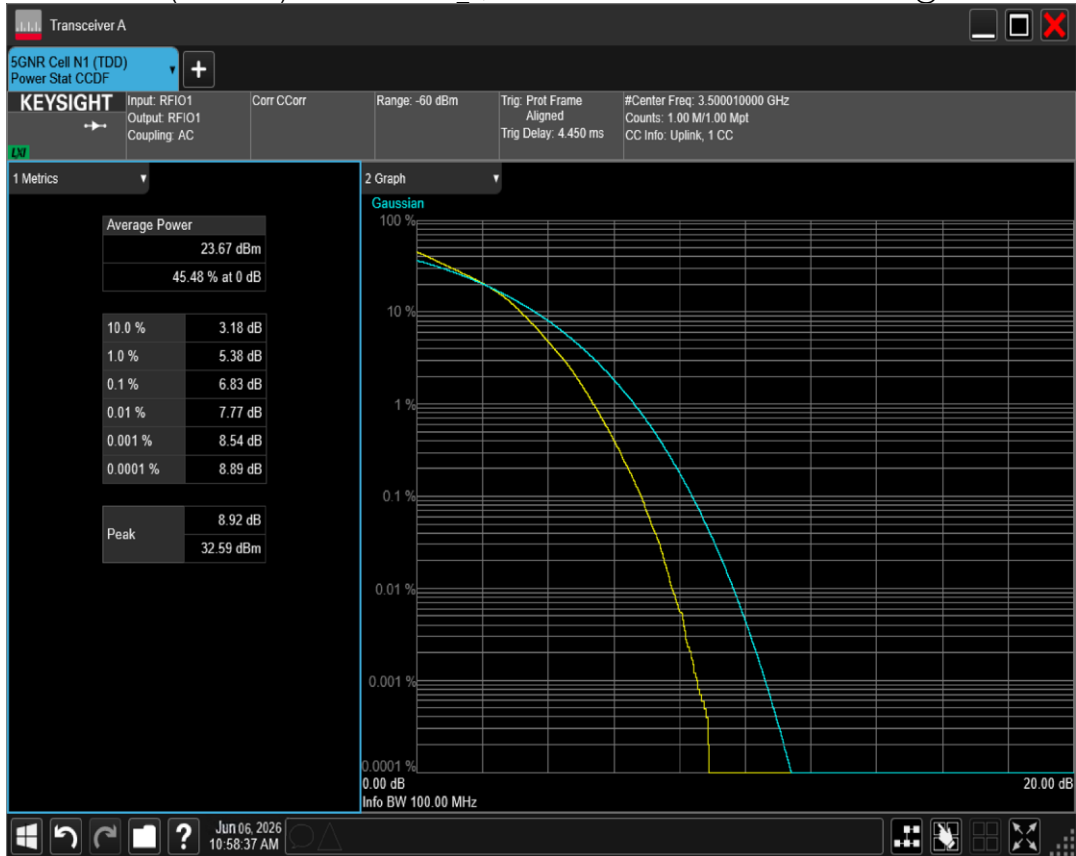
n77(3450-3550) SCS=30kHz DFT_BPSK BW=90MHz Channel=633334 RB=240@0



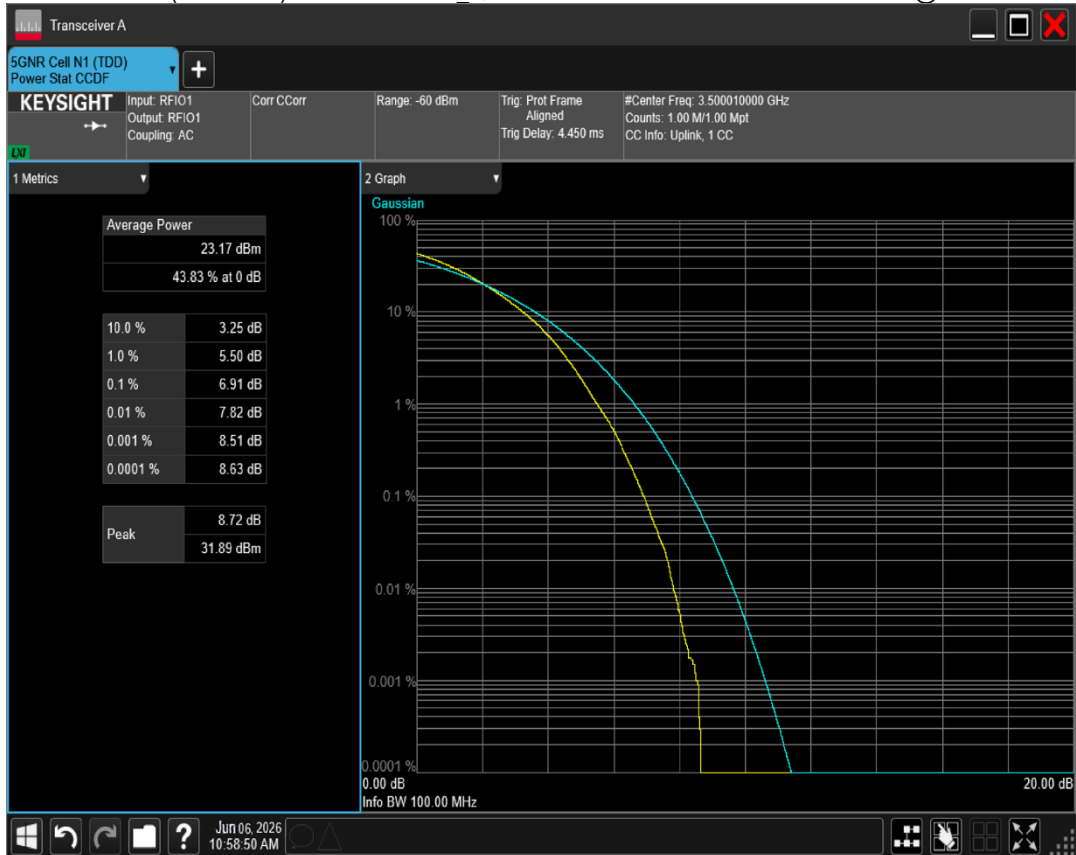
n77(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633334 RB=240@0



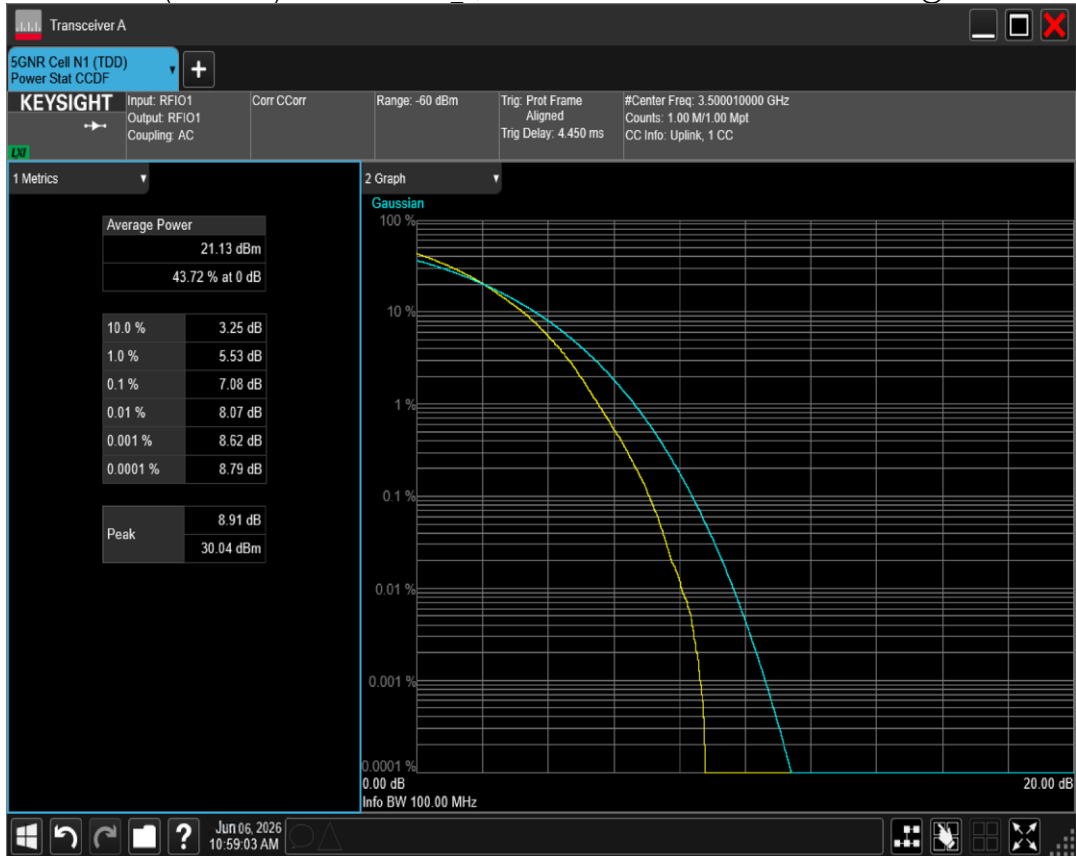
n77(3450-3550) SCS=30kHz DFT_QAM16 BW=90MHz Channel=633334 RB=240@0



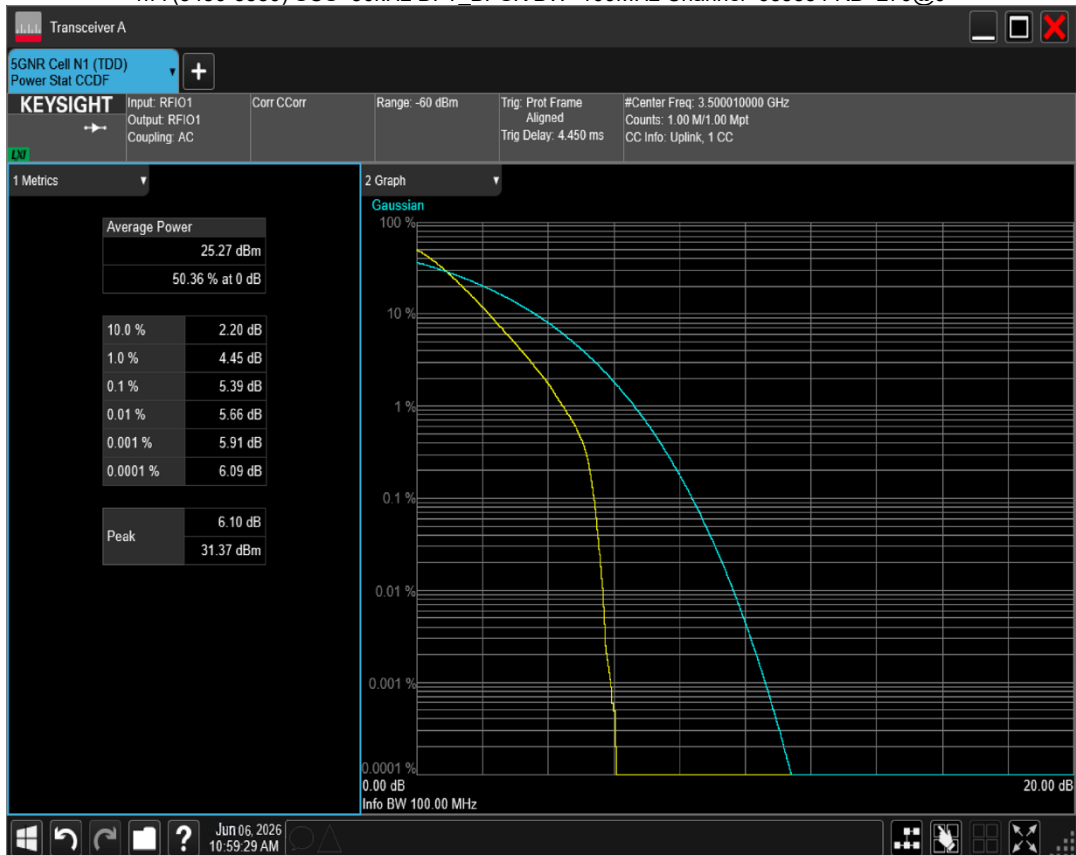
n77(3450-3550) SCS=30kHz DFT_QAM64 BW=90MHz Channel=633334 RB=240@0



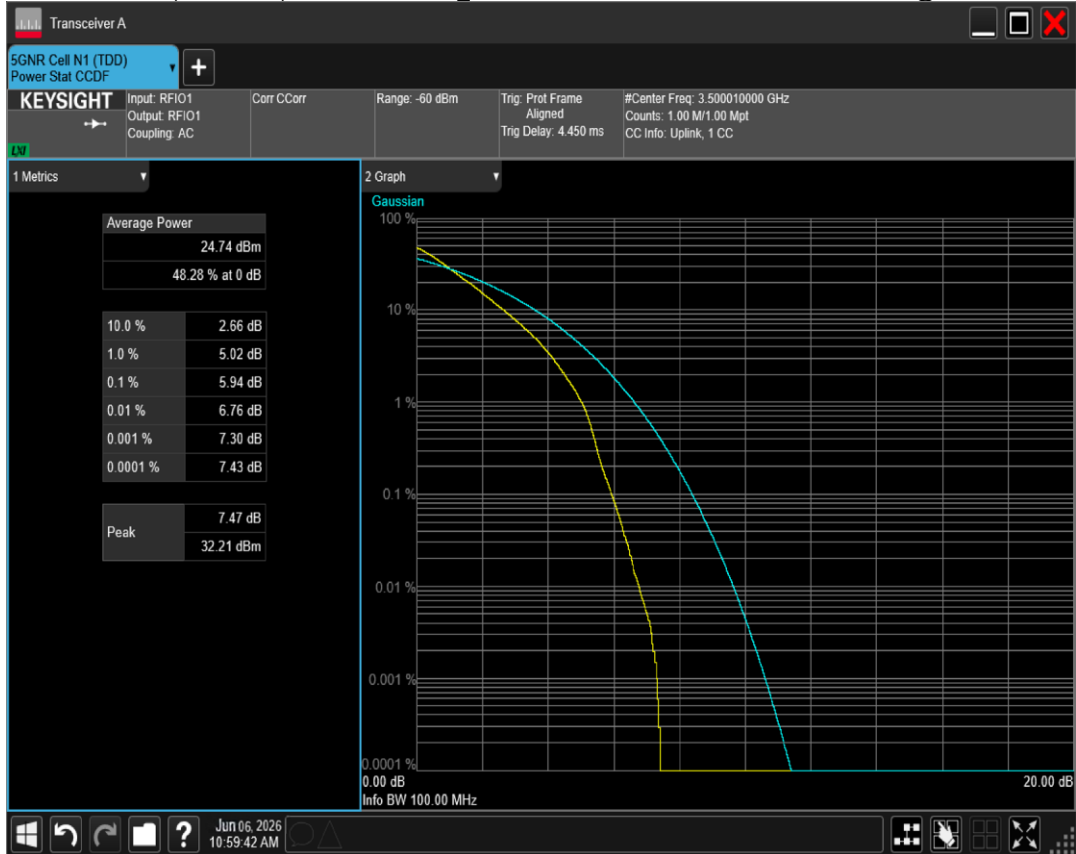
n77(3450-3550) SCS=30kHz DFT_QAM256 BW=90MHz Channel=633334 RB=240@0



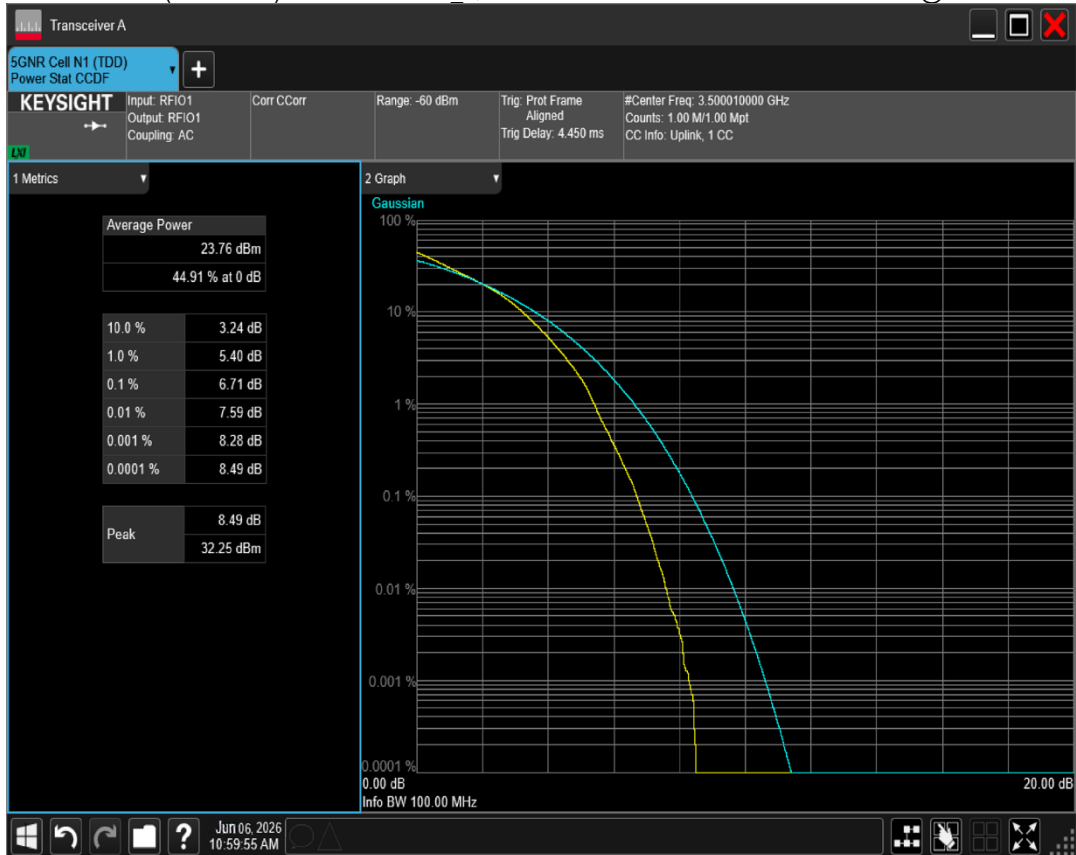
n77(3450-3550) SCS=30kHz DFT_BPSK BW=100MHz Channel=633334 RB=270@0



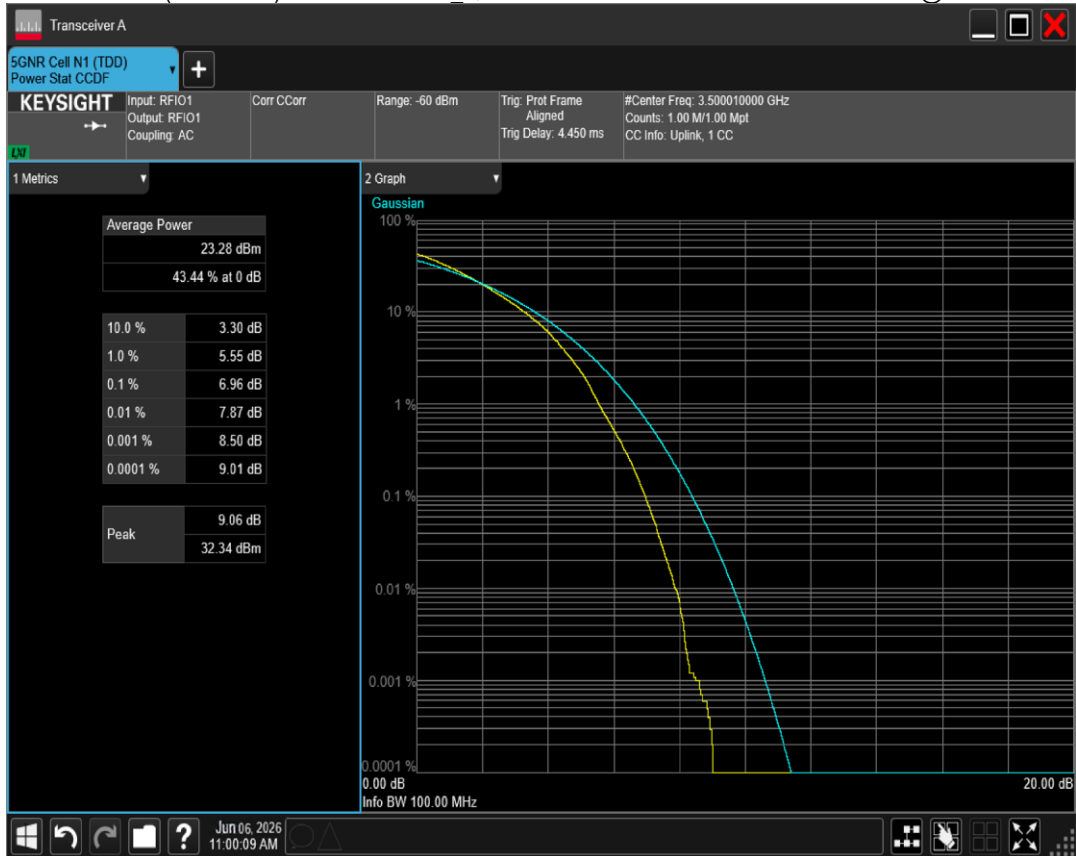
n77(3450-3550) SCS=30kHz DFT_QPSK BW=100MHz Channel=633334 RB=270@0



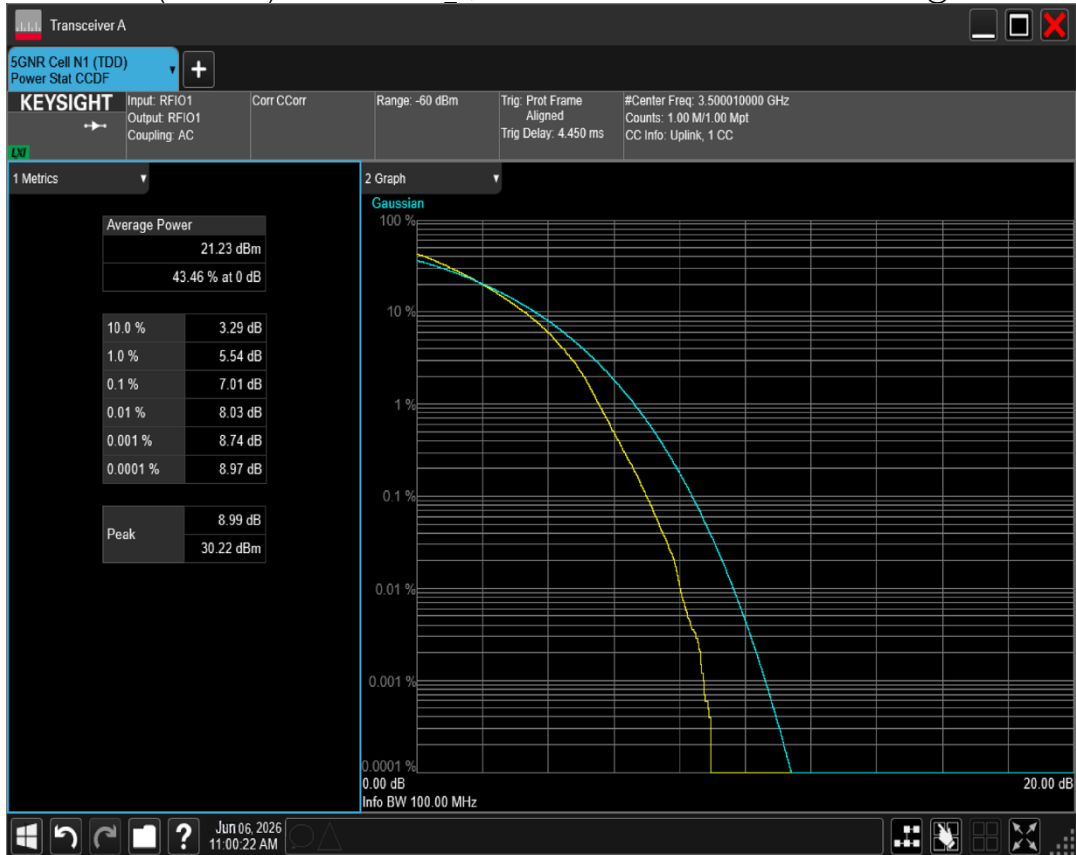
n77(3450-3550) SCS=30kHz DFT_QAM16 BW=100MHz Channel=633334 RB=270@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=100MHz Channel=633334 RB=270@0



n77(3450-3550) SCS=30kHz DFT_QAM256 BW=100MHz Channel=633334 RB=270@0



4 Occupied bandwidth for NR FR1

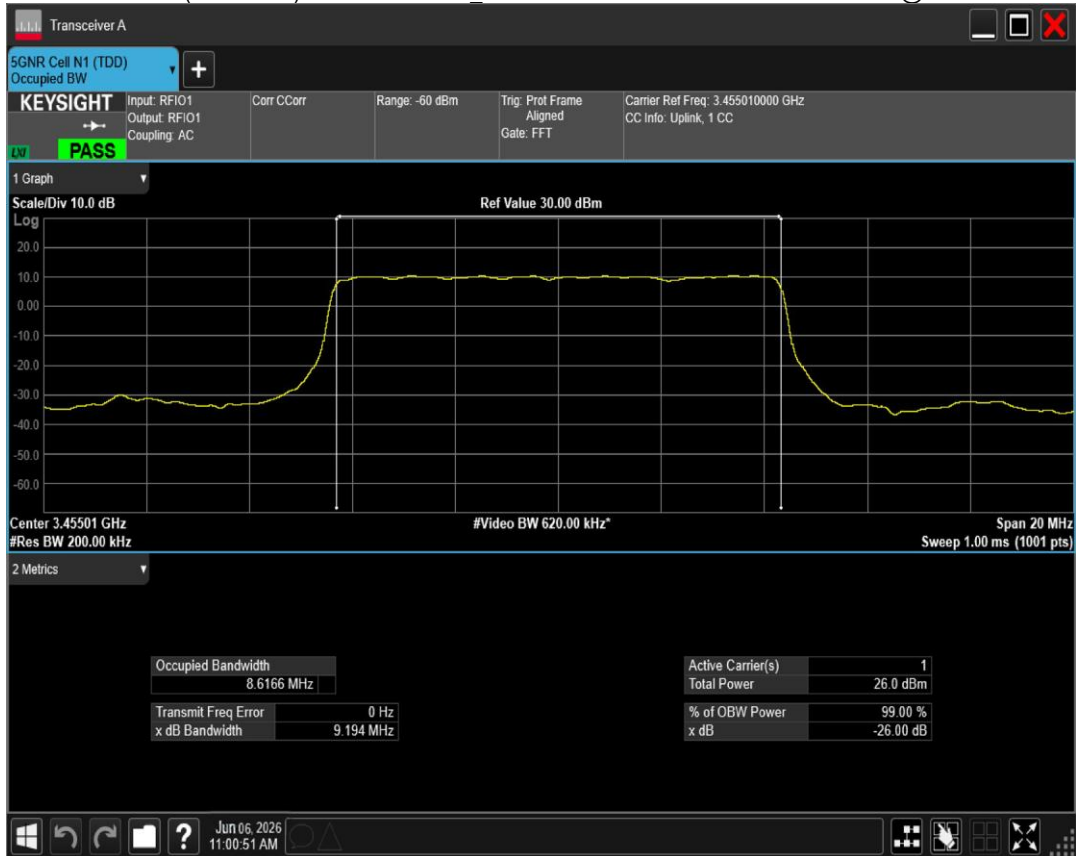
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n77(3450-3550)	30	10	630334	24@0	DFT_BPSK	8.620	9.190	PASS
n77(3450-3550)	30	10	630334	24@0	DFT_QPSK	8.620	9.160	PASS
n77(3450-3550)	30	10	630334	24@0	DFT_QAM16	8.640	9.250	PASS
n77(3450-3550)	30	10	630334	24@0	DFT_QAM64	8.610	9.230	PASS
n77(3450-3550)	30	10	630334	24@0	DFT_QAM256	8.610	9.200	PASS
n77(3450-3550)	30	10	630334	24@0	CP_QPSK	8.620	9.180	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_BPSK	8.610	9.180	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QPSK	8.620	9.180	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM16	8.620	9.220	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM64	8.610	9.160	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM256	8.640	9.230	PASS
n77(3450-3550)	30	10	633334	24@0	CP_QPSK	8.640	9.280	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_BPSK	8.640	9.200	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_QPSK	8.620	9.240	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_QAM16	8.640	9.210	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_QAM64	8.610	9.250	PASS
n77(3450-3550)	30	10	636332	24@0	DFT_QAM256	8.610	9.210	PASS
n77(3450-3550)	30	10	636332	24@0	CP_QPSK	8.620	9.230	PASS
n77(3450-3550)	30	15	630500	36@0	DFT_BPSK	13.510	13.750	PASS
n77(3450-3550)	30	15	630500	36@0	DFT_QPSK	13.470	13.730	PASS
n77(3450-3550)	30	15	630500	36@0	DFT_QAM16	13.510	13.720	PASS
n77(3450-3550)	30	15	630500	36@0	DFT_QAM64	13.510	13.810	PASS
n77(3450-3550)	30	15	630500	36@0	DFT_QAM256	13.470	13.720	PASS
n77(3450-3550)	30	15	630500	38@0	CP_QPSK	13.640	14.450	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_BPSK	13.560	13.740	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QPSK	13.500	13.780	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM16	13.520	13.720	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM64	13.530	13.700	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM256	13.500	13.710	PASS
n77(3450-3550)	30	15	633334	38@0	CP_QPSK	13.630	14.420	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_BPSK	13.510	13.740	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_QPSK	13.520	13.760	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_QAM16	13.520	13.710	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_QAM64	13.520	13.770	PASS
n77(3450-3550)	30	15	636166	36@0	DFT_QAM256	13.470	13.700	PASS
n77(3450-3550)	30	15	636166	38@0	CP_QPSK	13.640	14.410	PASS
n77(3450-3550)	30	20	630668	50@0	DFT_BPSK	18.170	18.940	PASS
n77(3450-3550)	30	20	630668	50@0	DFT_QPSK	18.090	18.930	PASS
n77(3450-3550)	30	20	630668	50@0	DFT_QAM16	18.120	18.920	PASS

n77(3450-3550)	30	20	630668	50@0	DFT_QAM64	18.090	18.920	PASS
n77(3450-3550)	30	20	630668	50@0	DFT_QAM256	18.020	18.920	PASS
n77(3450-3550)	30	20	630668	51@0	CP_QPSK	18.280	19.320	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_BPSK	18.160	18.920	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QPSK	18.100	18.920	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM16	18.110	18.920	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM64	18.100	18.930	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM256	18.100	18.950	PASS
n77(3450-3550)	30	20	633334	51@0	CP_QPSK	18.270	19.310	PASS
n77(3450-3550)	30	20	636000	50@0	DFT_BPSK	18.100	18.920	PASS
n77(3450-3550)	30	20	636000	50@0	DFT_QPSK	18.100	18.920	PASS
n77(3450-3550)	30	20	636000	50@0	DFT_QAM16	18.110	18.940	PASS
n77(3450-3550)	30	20	636000	50@0	DFT_QAM64	18.100	18.910	PASS
n77(3450-3550)	30	20	636000	50@0	DFT_QAM256	18.040	18.890	PASS
n77(3450-3550)	30	20	636000	51@0	CP_QPSK	18.280	19.320	PASS
n77(3450-3550)	30	30	631000	75@0	DFT_BPSK	27.640	28.440	PASS
n77(3450-3550)	30	30	631000	75@0	DFT_QPSK	27.610	28.410	PASS
n77(3450-3550)	30	30	631000	75@0	DFT_QAM16	27.650	28.450	PASS
n77(3450-3550)	30	30	631000	75@0	DFT_QAM64	27.660	28.440	PASS
n77(3450-3550)	30	30	631000	75@0	DFT_QAM256	27.650	28.420	PASS
n77(3450-3550)	30	30	631000	78@0	CP_QPSK	27.970	29.500	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_BPSK	27.730	28.450	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QPSK	27.640	28.420	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM16	27.720	28.450	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM64	27.650	28.430	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM256	27.660	28.430	PASS
n77(3450-3550)	30	30	633334	78@0	CP_QPSK	27.980	29.520	PASS
n77(3450-3550)	30	30	635666	75@0	DFT_BPSK	27.730	28.430	PASS
n77(3450-3550)	30	30	635666	75@0	DFT_QPSK	27.650	28.440	PASS
n77(3450-3550)	30	30	635666	75@0	DFT_QAM16	27.730	28.460	PASS
n77(3450-3550)	30	30	635666	75@0	DFT_QAM64	27.740	28.440	PASS
n77(3450-3550)	30	30	635666	75@0	DFT_QAM256	27.740	28.420	PASS
n77(3450-3550)	30	30	635666	78@0	CP_QPSK	27.980	29.520	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_BPSK	37.500	37.860	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_QPSK	37.630	37.880	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_QAM16	37.640	37.880	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_QAM64	37.610	37.870	PASS
n77(3450-3550)	30	40	631334	100@0	DFT_QAM256	37.600	37.870	PASS
n77(3450-3550)	30	40	631334	106@0	CP_QPSK	37.980	40.040	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_BPSK	37.650	37.870	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QPSK	37.650	37.880	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM16	37.660	37.870	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM64	37.650	37.870	PASS

n77(3450-3550)	30	40	633334	100@0	DFT_QAM256	37.980	40.040	PASS
n77(3450-3550)	30	40	633334	106@0	CP_QPSK	37.650	37.860	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_BPSK	37.650	37.870	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_QPSK	37.650	37.860	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_QAM16	37.650	37.880	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_QAM64	37.620	37.870	PASS
n77(3450-3550)	30	40	635332	100@0	DFT_QAM256	37.980	40.040	PASS
n77(3450-3550)	30	40	635332	106@0	CP_QPSK	37.980	40.040	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_BPSK	47.230	48.360	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_QPSK	47.200	48.370	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_QAM16	47.090	48.390	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_QAM64	47.070	48.350	PASS
n77(3450-3550)	30	50	631668	128@0	DFT_QAM256	47.230	48.400	PASS
n77(3450-3550)	30	50	631668	133@0	CP_QPSK	47.640	50.200	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_BPSK	47.200	48.370	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QPSK	47.260	48.350	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM16	47.220	48.350	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM64	47.210	48.370	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM256	47.260	48.340	PASS
n77(3450-3550)	30	50	633334	133@0	CP_QPSK	47.660	50.200	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_BPSK	47.250	48.360	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_QPSK	47.270	48.360	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_QAM16	47.230	48.370	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_QAM64	47.200	48.370	PASS
n77(3450-3550)	30	50	635000	128@0	DFT_QAM256	47.280	48.410	PASS
n77(3450-3550)	30	50	635000	133@0	CP_QPSK	47.660	50.190	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_BPSK	57.950	60.990	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_QPSK	57.950	60.990	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_QAM16	57.920	60.970	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_QAM64	57.950	60.990	PASS
n77(3450-3550)	30	60	632000	162@0	DFT_QAM256	57.930	60.960	PASS
n77(3450-3550)	30	60	632000	162@0	CP_QPSK	57.930	60.980	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_BPSK	58.090	60.990	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QPSK	58.090	60.990	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM16	58.080	60.980	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM64	58.090	60.990	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM256	57.950	60.970	PASS
n77(3450-3550)	30	60	633334	162@0	CP_QPSK	57.950	60.990	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_BPSK	57.940	60.990	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_QPSK	58.090	61.000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_QAM16	58.090	60.980	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_QAM64	58.100	61.000	PASS
n77(3450-3550)	30	60	634666	162@0	DFT_QAM256	58.100	60.990	PASS

n77(3450-3550)	30	60	634666	162@0	CP_QPSK	57.950	61.000	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_BPSK	77.500	81.330	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_QPSK	77.480	81.300	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_QAM16	77.480	81.300	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_QAM64	77.490	81.320	PASS
n77(3450-3550)	30	80	632668	216@0	DFT_QAM256	77.490	81.310	PASS
n77(3450-3550)	30	80	632668	217@0	CP_QPSK	77.760	81.690	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_BPSK	77.510	81.340	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QPSK	77.490	81.320	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM16	77.490	81.310	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM64	77.490	81.330	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM256	77.460	81.300	PASS
n77(3450-3550)	30	80	633334	217@0	CP_QPSK	77.770	81.690	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_BPSK	77.490	81.320	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_QPSK	77.510	81.320	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_QAM16	77.500	81.300	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_QAM64	77.510	81.320	PASS
n77(3450-3550)	30	80	634000	216@0	DFT_QAM256	77.520	81.320	PASS
n77(3450-3550)	30	80	634000	217@0	CP_QPSK	77.800	81.710	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_BPSK	86.880	90.420	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_QPSK	86.880	90.410	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_QAM16	86.900	90.410	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_QAM64	86.930	90.440	PASS
n77(3450-3550)	30	90	633000	240@0	DFT_QAM256	86.880	90.440	PASS
n77(3450-3550)	30	90	633000	245@0	CP_QPSK	87.620	92.220	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_BPSK	86.880	90.430	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QPSK	86.880	90.420	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM16	86.900	90.420	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM64	86.920	90.450	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM256	86.880	90.430	PASS
n77(3450-3550)	30	90	633334	245@0	CP_QPSK	87.620	92.220	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_BPSK	86.110	90.430	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_QPSK	86.900	90.420	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_QAM16	86.920	90.420	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_QAM64	87.130	90.440	PASS
n77(3450-3550)	30	90	633666	240@0	DFT_QAM256	86.900	90.420	PASS
n77(3450-3550)	30	90	633666	245@0	CP_QPSK	87.640	92.230	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	96.910	101.560	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QPSK	96.870	101.540	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM16	96.890	101.550	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM64	96.910	101.560	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM256	96.900	101.560	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QPSK	97.640	102.630	PASS

n77(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz Channel=630334 RB=24@0



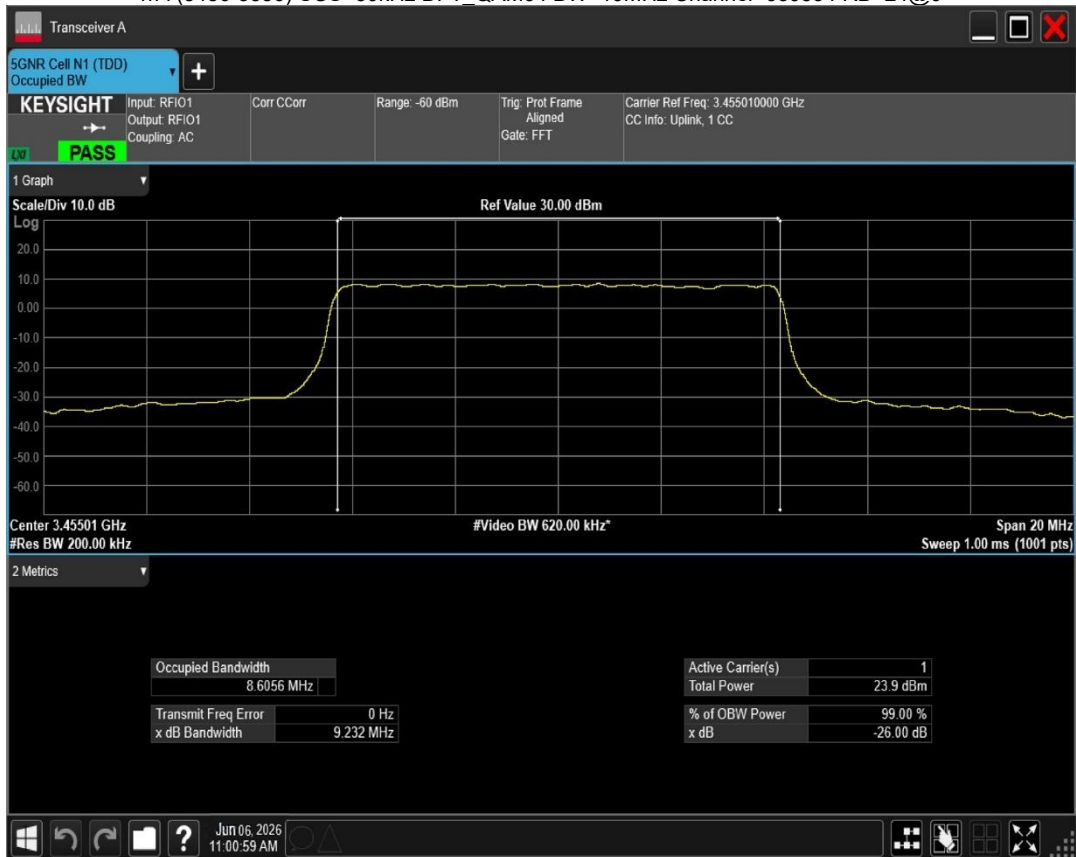
n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=630334 RB=24@0



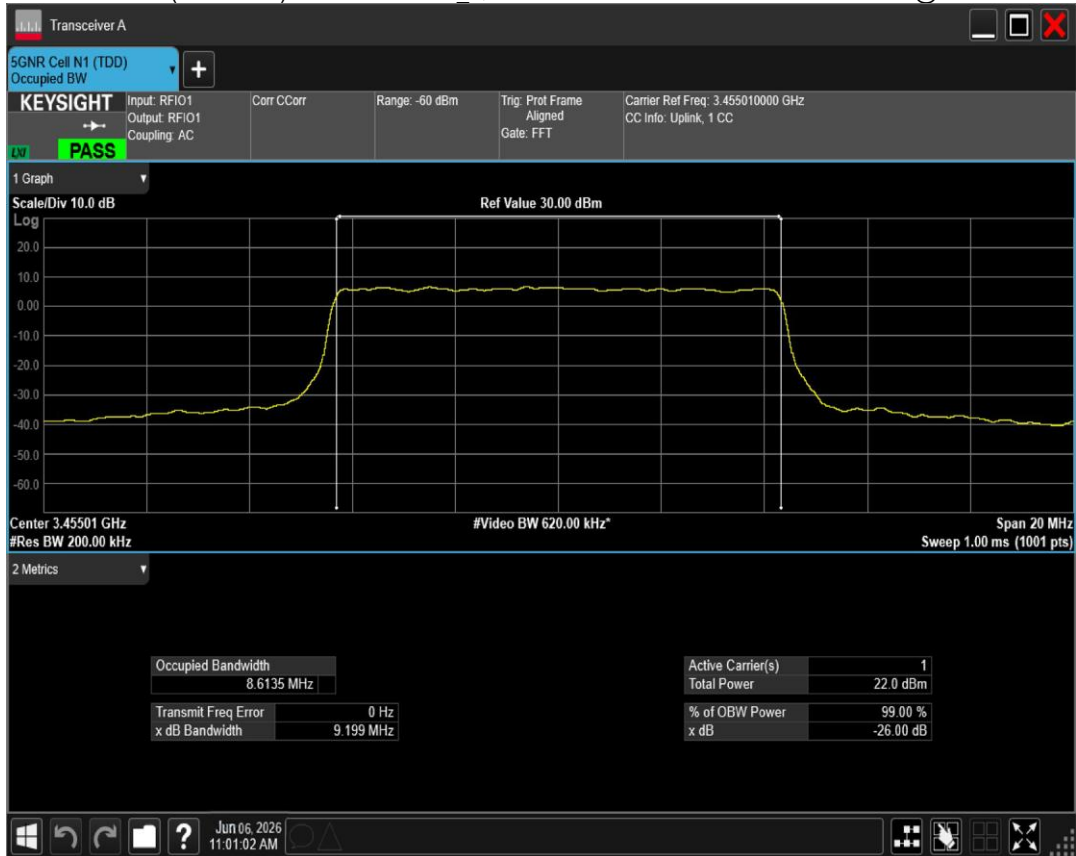
n77(3450-3550) SCS=30kHz DFT_QAM16 BW=10MHz Channel=630334 RB=24@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=10MHz Channel=630334 RB=24@0



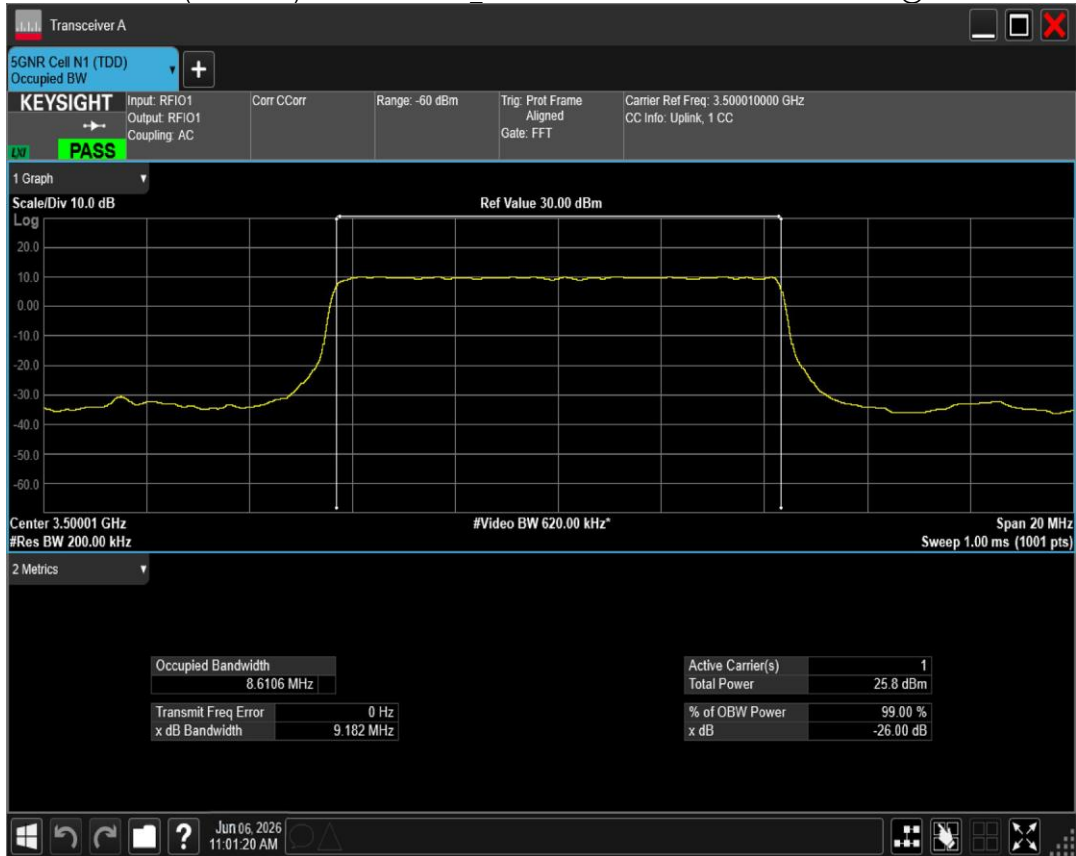
n77(3450-3550) SCS=30kHz DFT_QAM256 BW=10MHz Channel=630334 RB=24@0



n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=24@0



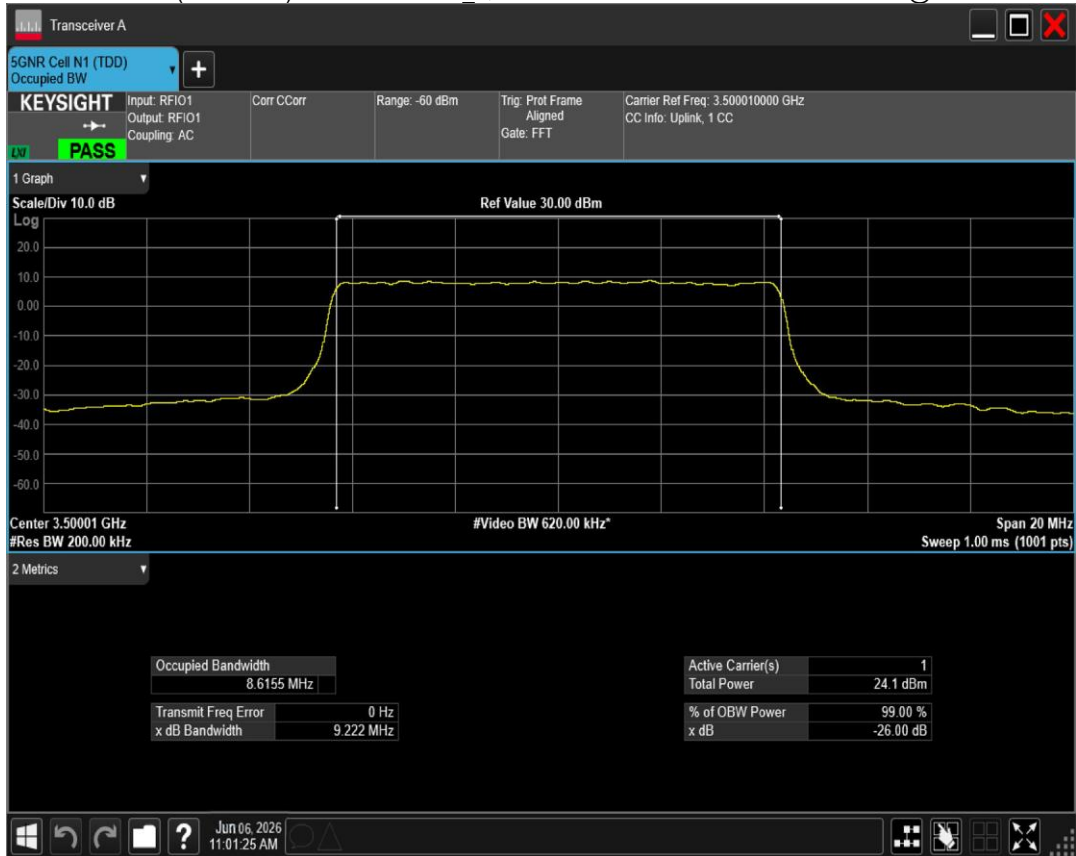
n77(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz Channel=633334 RB=24@0



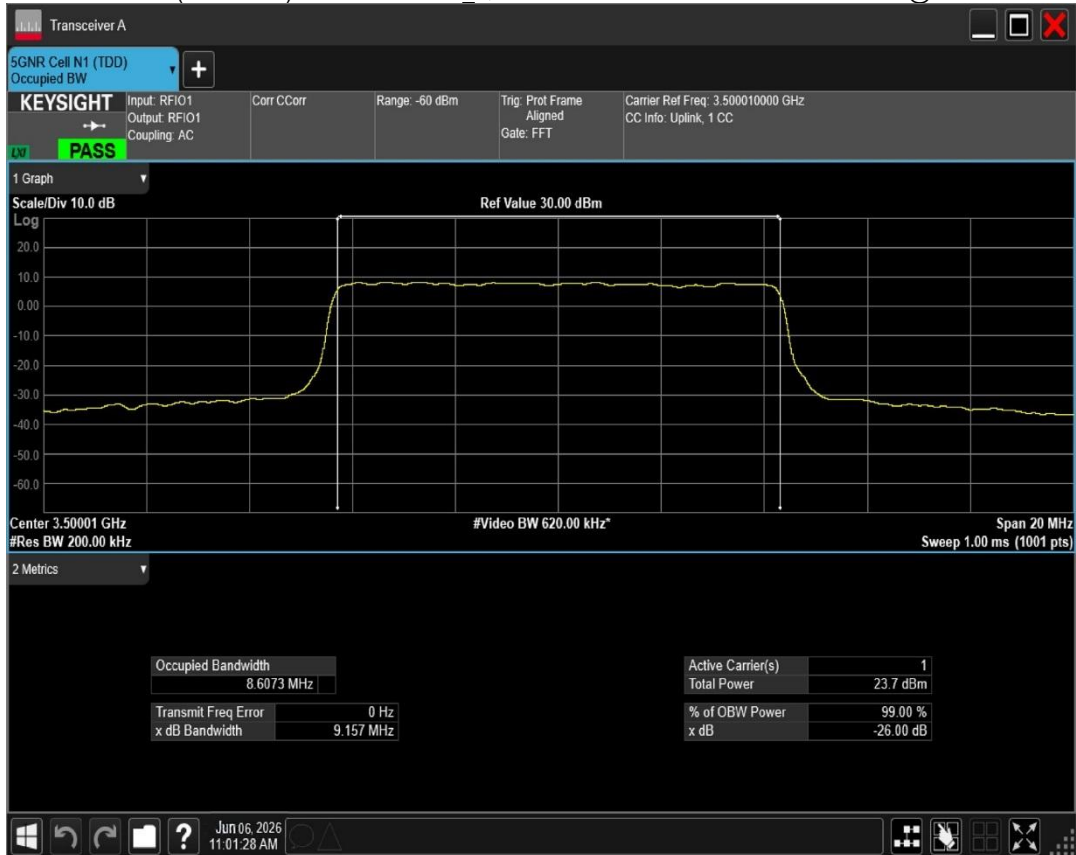
n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=633334 RB=24@0



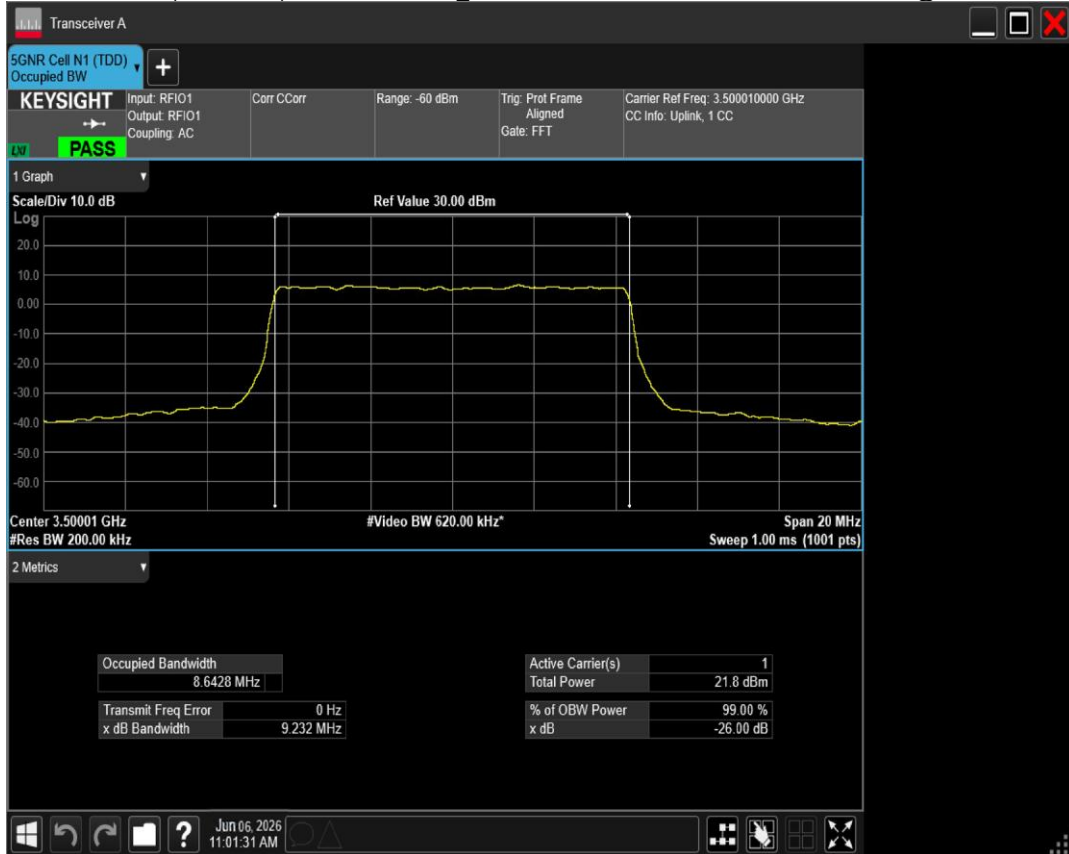
n77(3450-3550) SCS=30kHz DFT_QAM16 BW=10MHz Channel=633334 RB=24@0



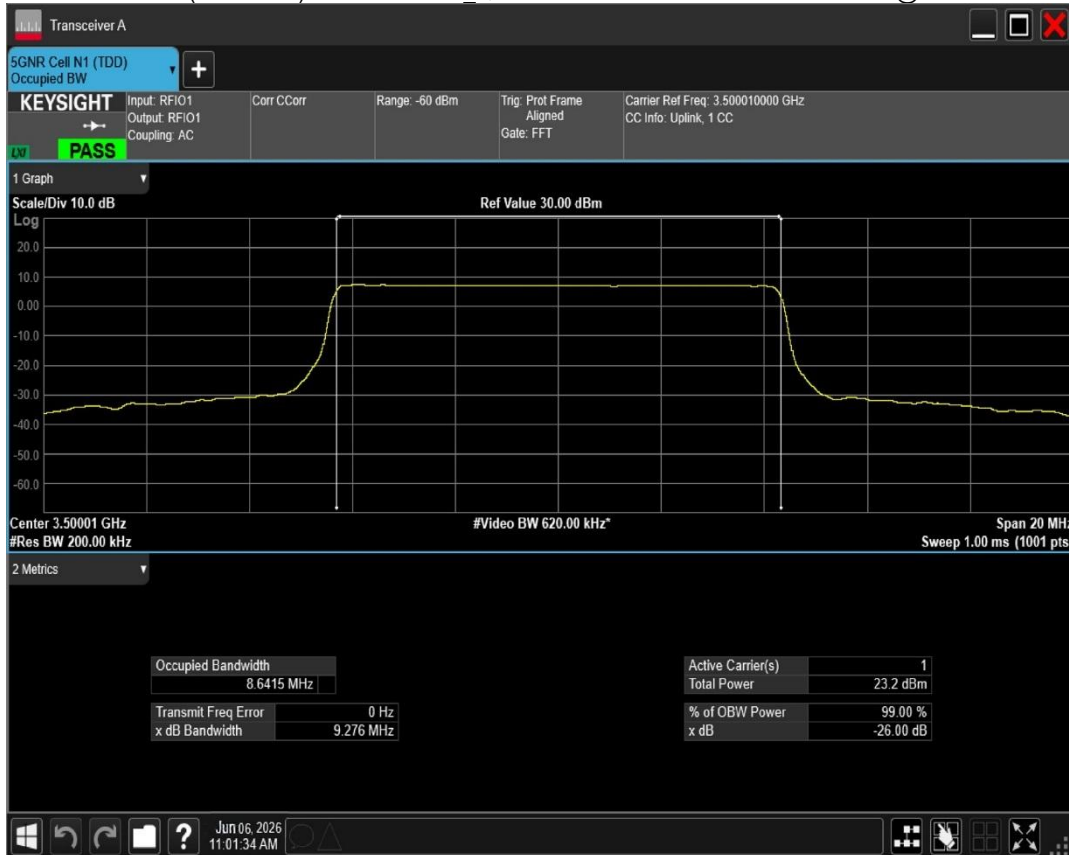
n77(3450-3550) SCS=30kHz DFT_QAM64 BW=10MHz Channel=633334 RB=24@0



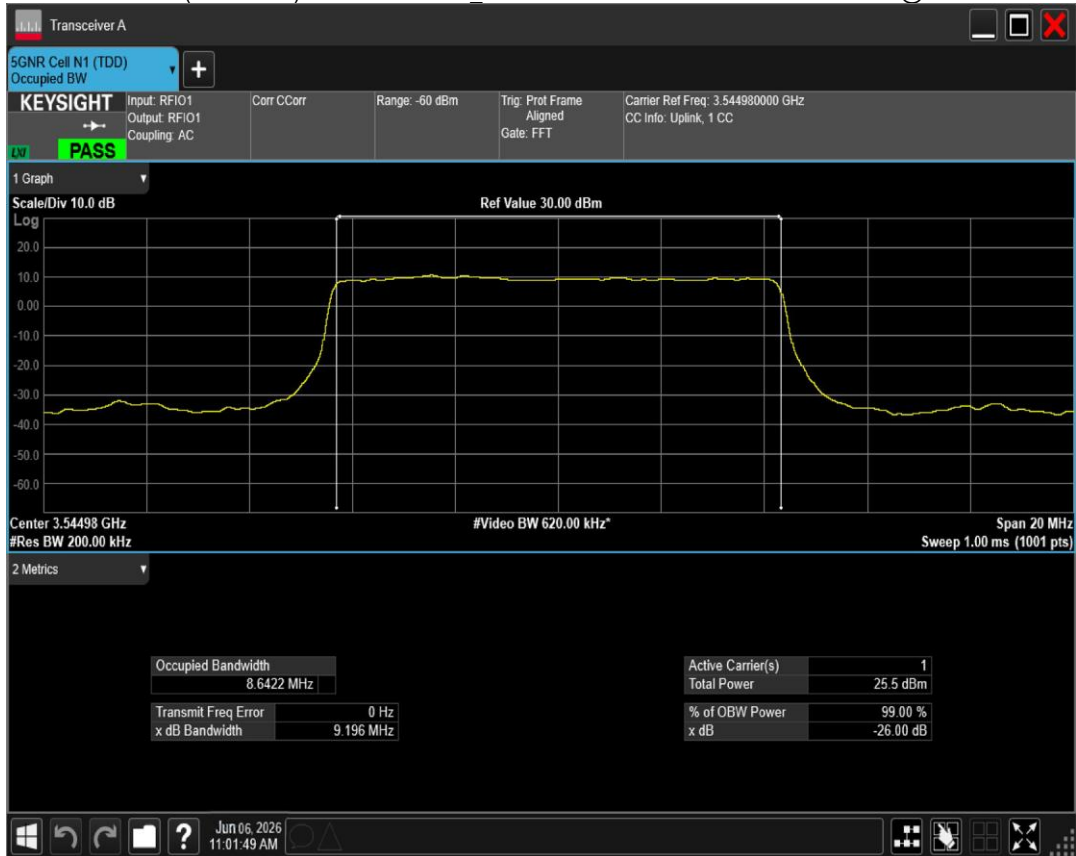
n77(3450-3550) SCS=30kHz DFT_QAM256 BW=10MHz Channel=633334 RB=24@0



n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=633334 RB=24@0



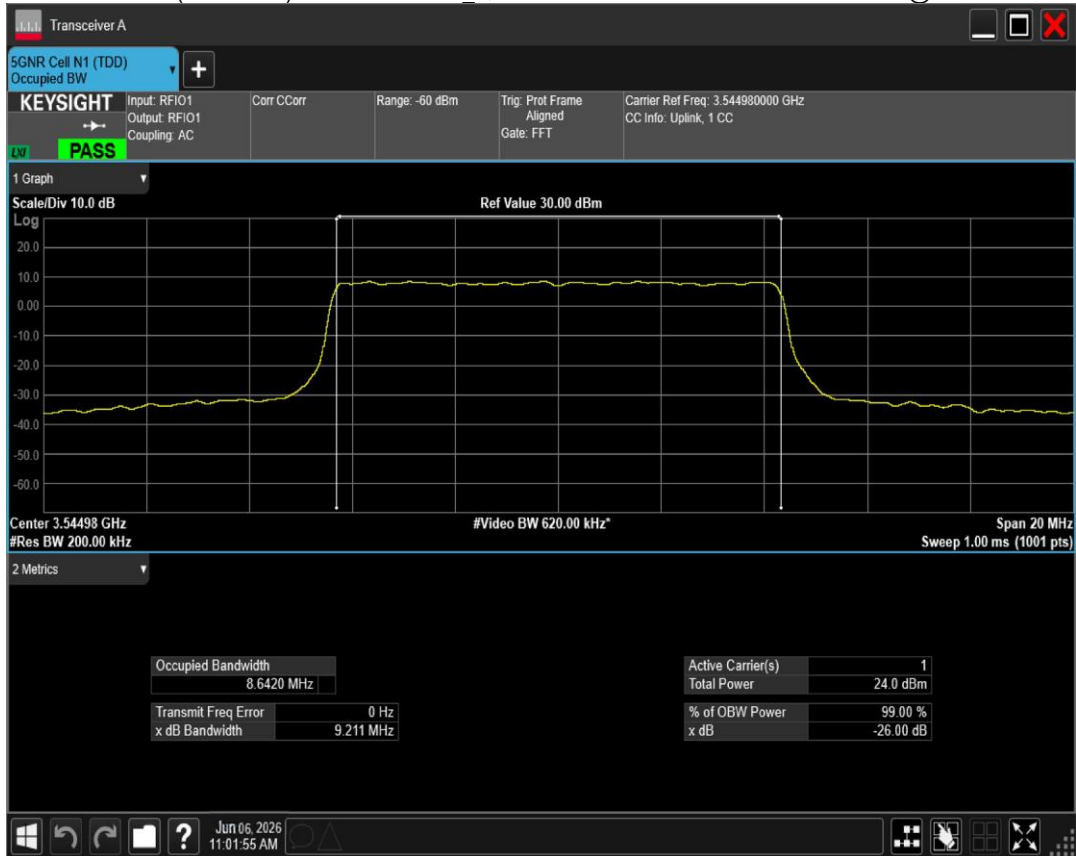
n77(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz Channel=636332 RB=24@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=636332 RB=24@0



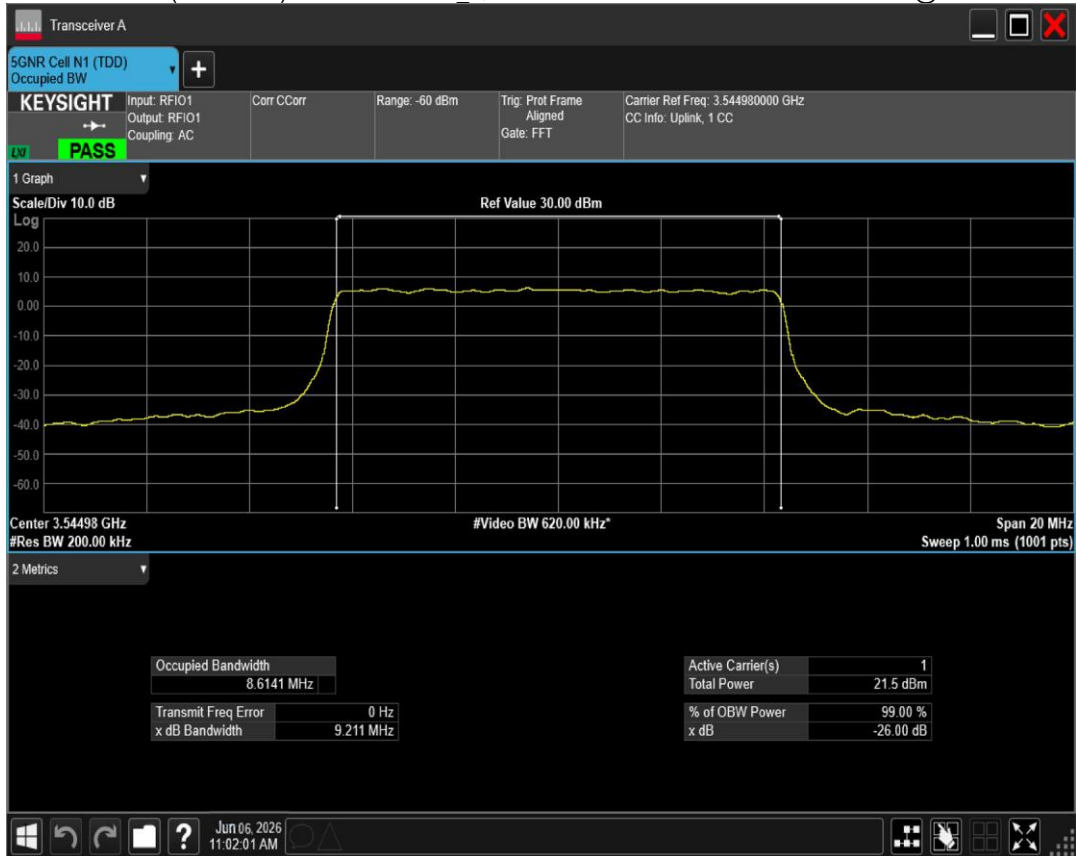
n77(3450-3550) SCS=30kHz DFT_QAM16 BW=10MHz Channel=636332 RB=24@0



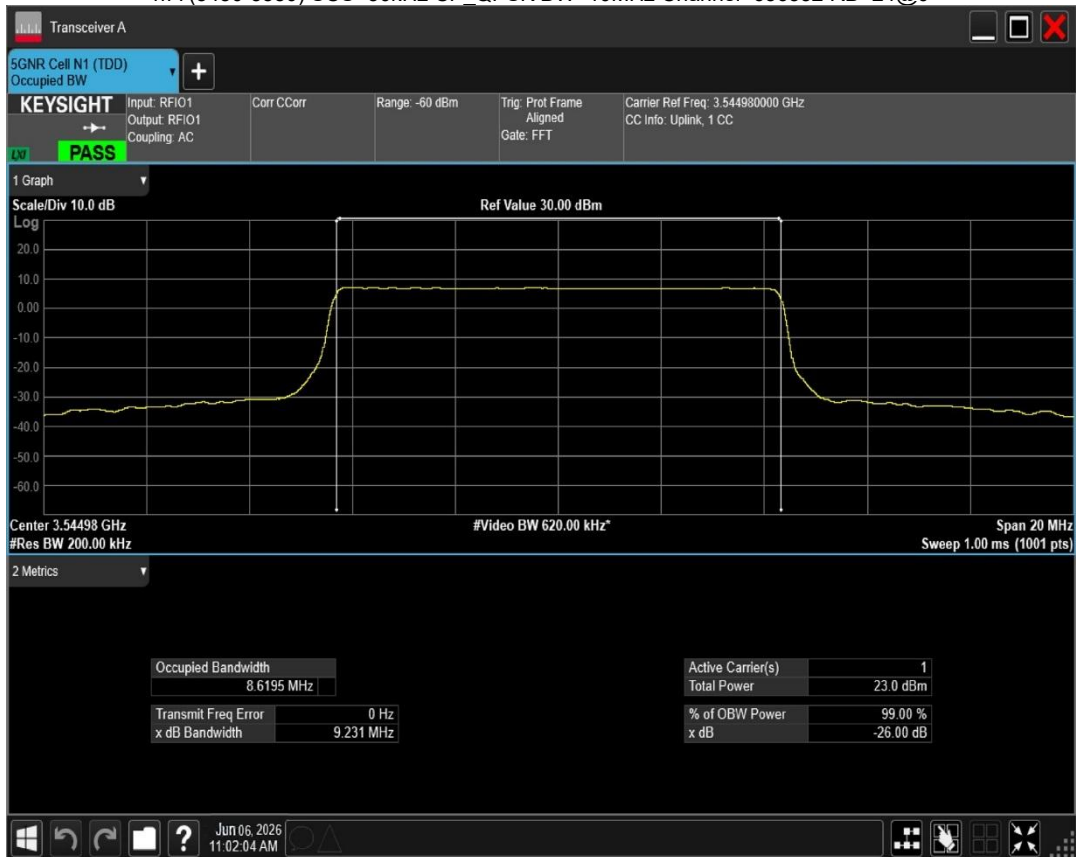
n77(3450-3550) SCS=30kHz DFT_QAM64 BW=10MHz Channel=636332 RB=24@0



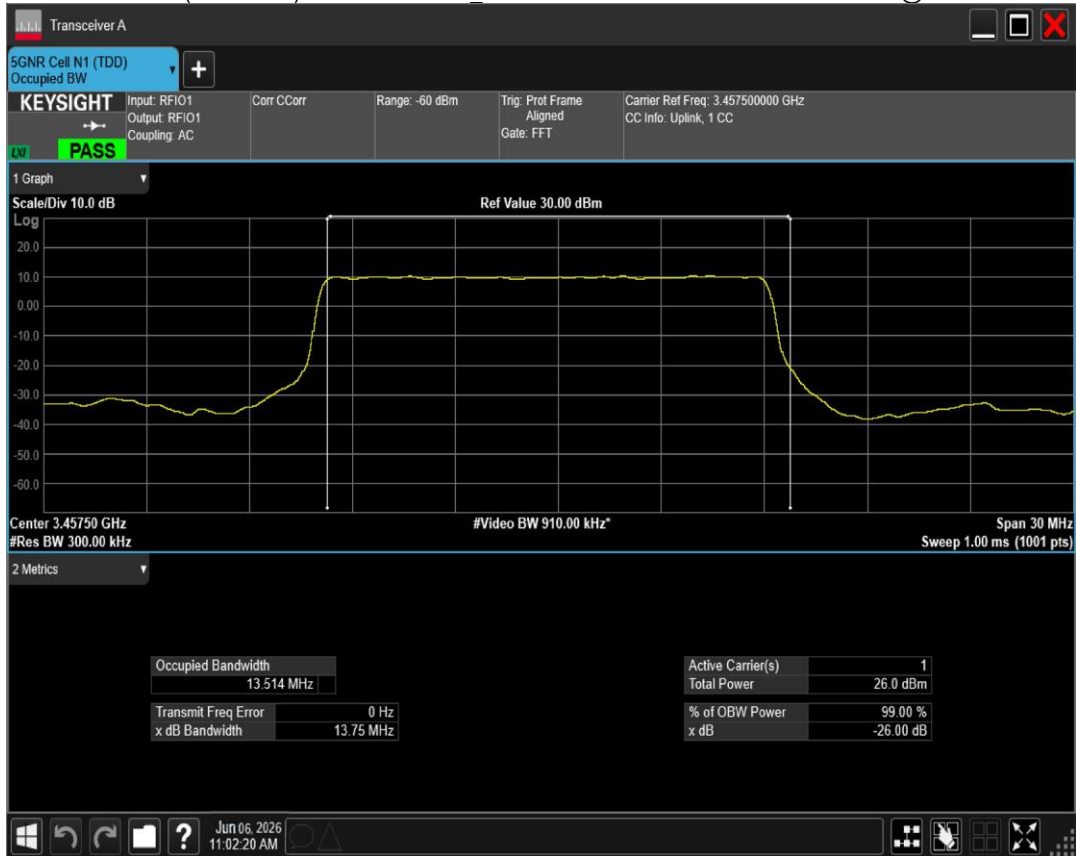
n77(3450-3550) SCS=30kHz DFT_QAM256 BW=10MHz Channel=636332 RB=24@0



n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=24@0



n77(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz Channel=630500 RB=36@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=630500 RB=36@0



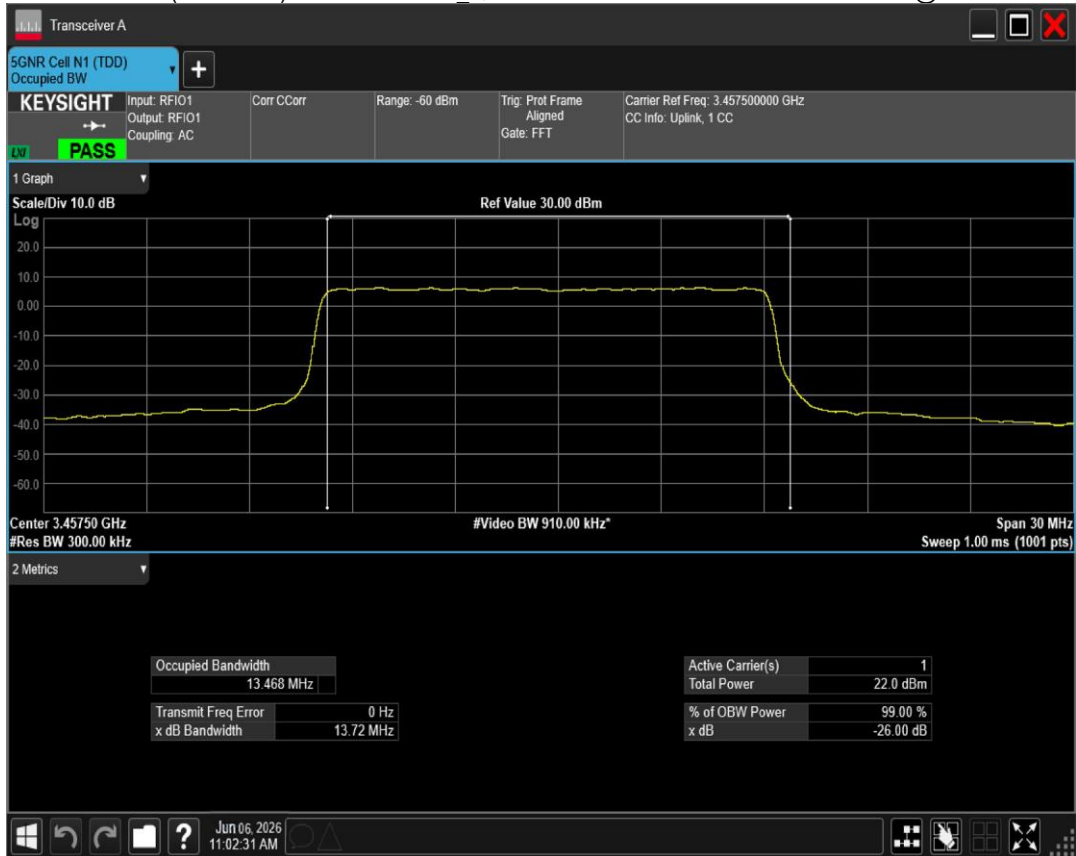
n77(3450-3550) SCS=30kHz DFT_QAM16 BW=15MHz Channel=630500 RB=36@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=15MHz Channel=630500 RB=36@0



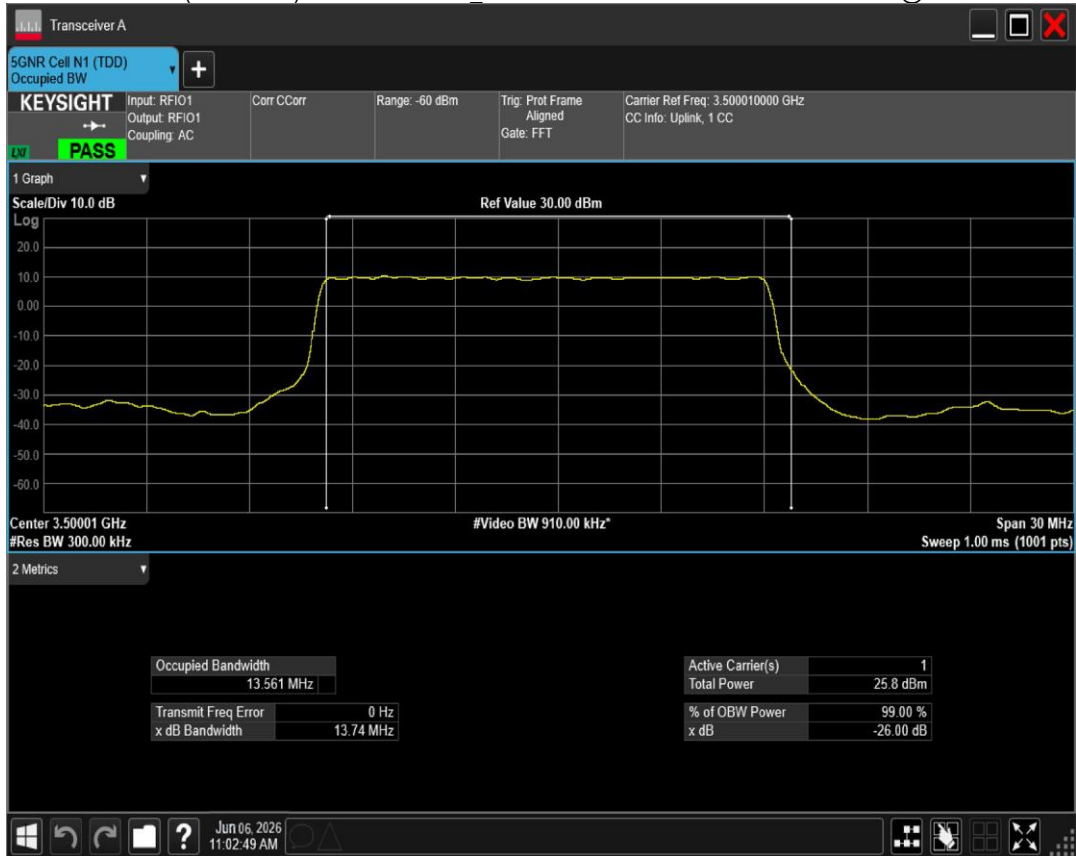
n77(3450-3550) SCS=30kHz DFT_QAM256 BW=15MHz Channel=630500 RB=36@0



n77(3450-3550) SCS=30kHz CP_QPSK BW=15MHz Channel=630500 RB=38@0



n77(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz Channel=633334 RB=36@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=633334 RB=36@0



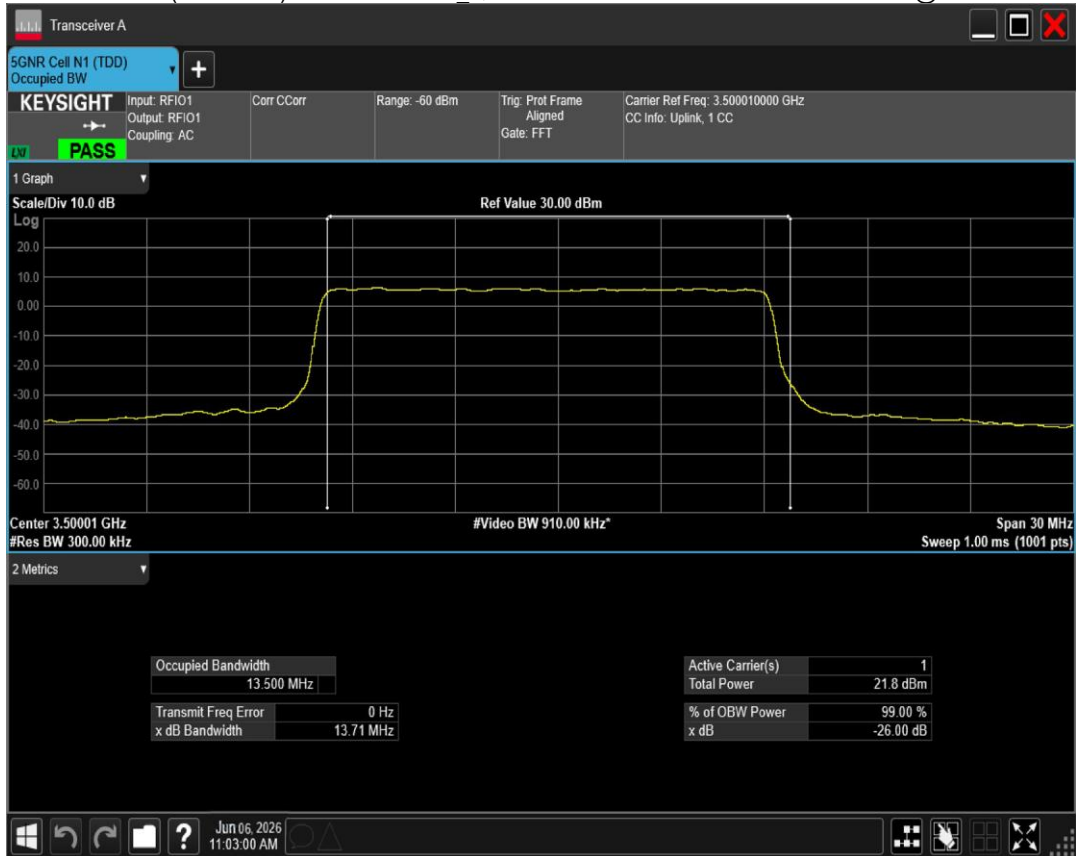
n77(3450-3550) SCS=30kHz DFT_QAM16 BW=15MHz Channel=633334 RB=36@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=15MHz Channel=633334 RB=36@0



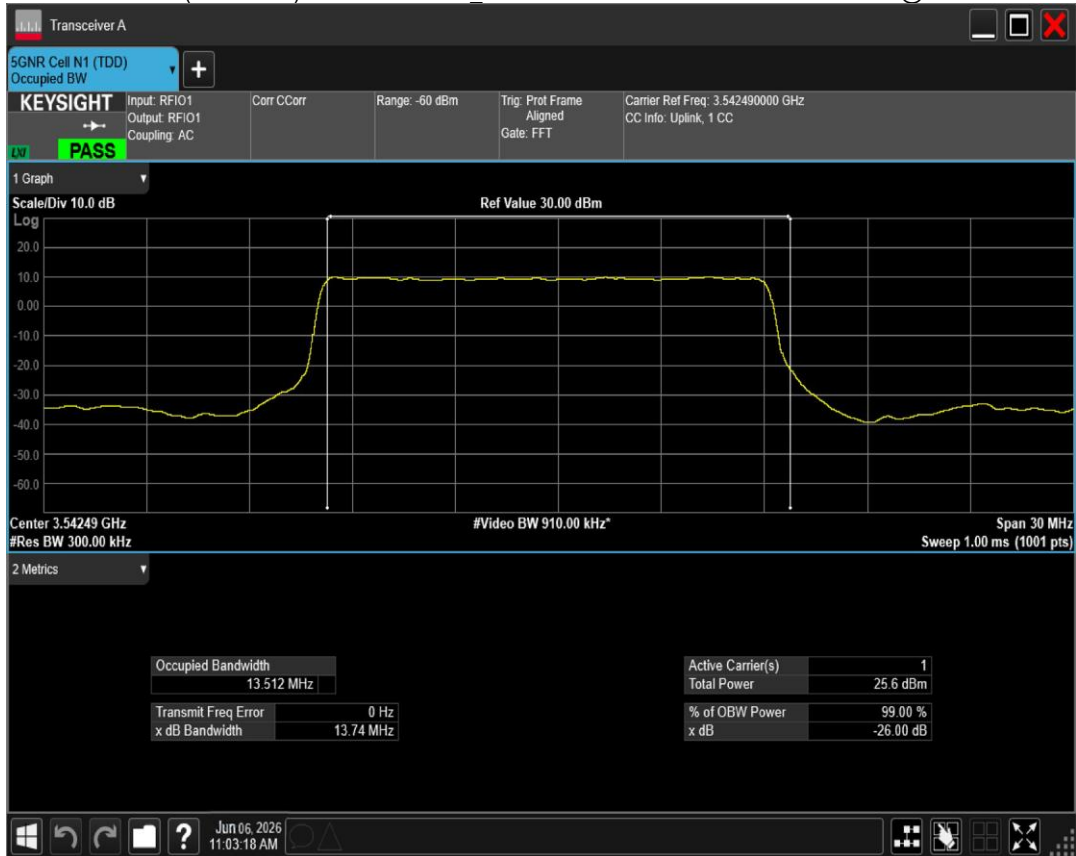
n77(3450-3550) SCS=30kHz DFT_QAM256 BW=15MHz Channel=633334 RB=36@0



n77(3450-3550) SCS=30kHz CP_QPSK BW=15MHz Channel=633334 RB=38@0



n77(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz Channel=636166 RB=36@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=636166 RB=36@0



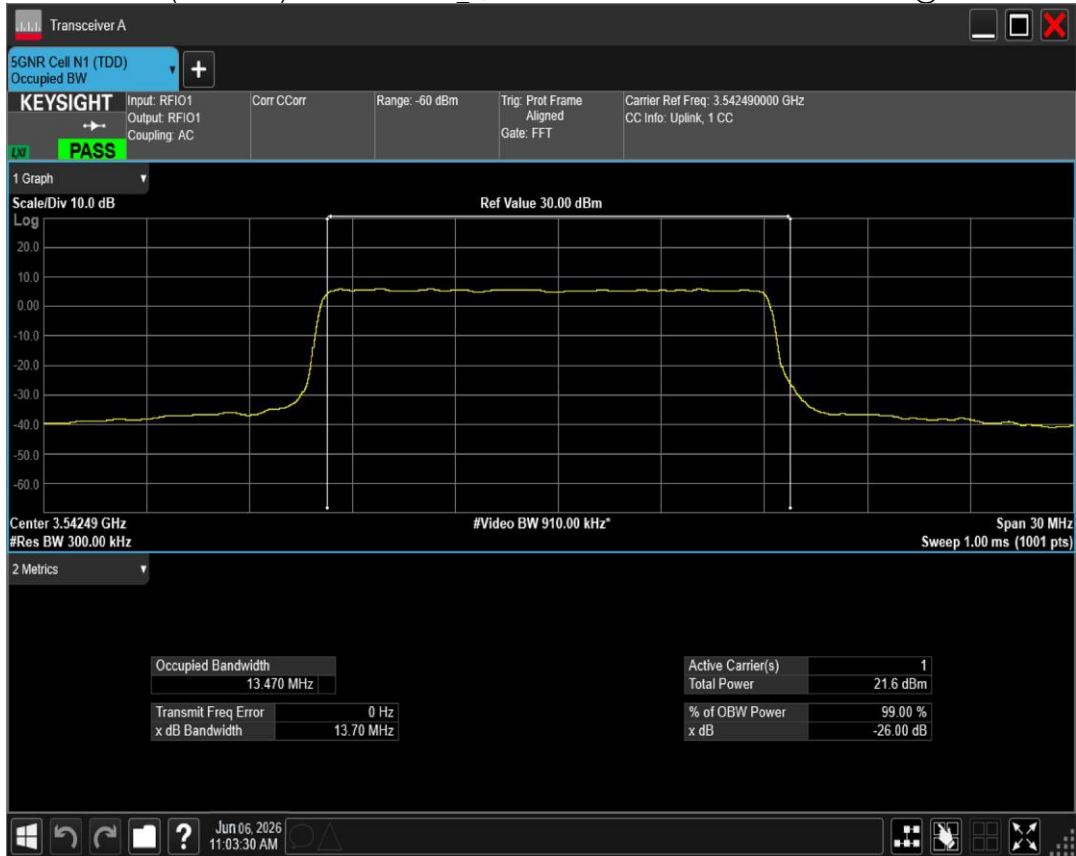
n77(3450-3550) SCS=30kHz DFT_QAM16 BW=15MHz Channel=636166 RB=36@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=15MHz Channel=636166 RB=36@0



n77(3450-3550) SCS=30kHz DFT_QAM256 BW=15MHz Channel=636166 RB=36@0



n77(3450-3550) SCS=30kHz CP_QPSK BW=15MHz Channel=636166 RB=38@0

