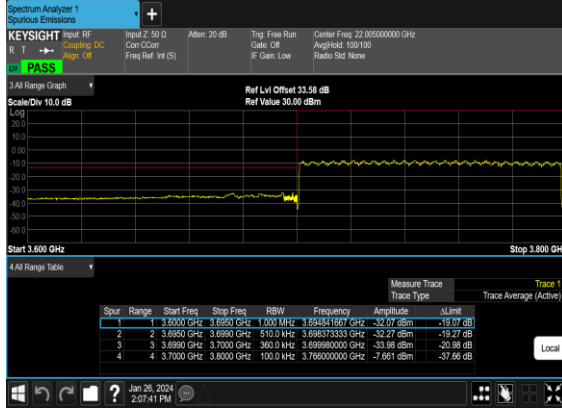
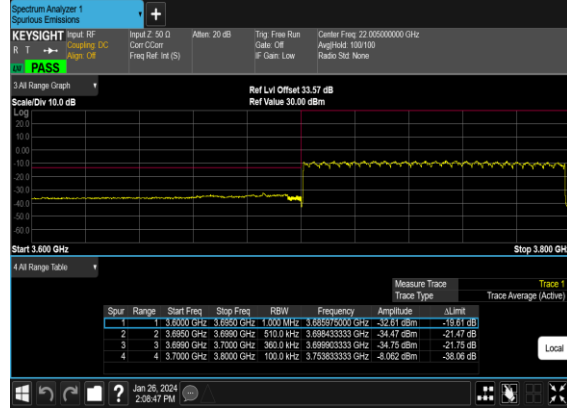


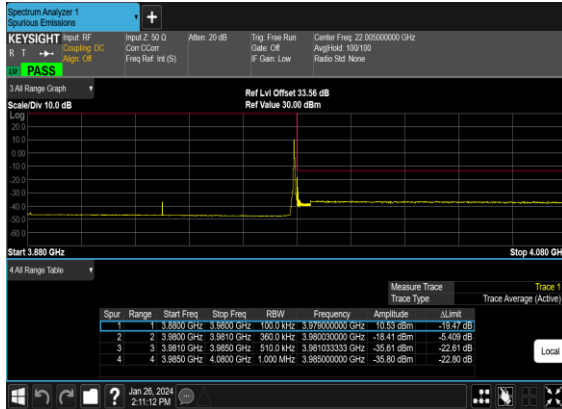
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



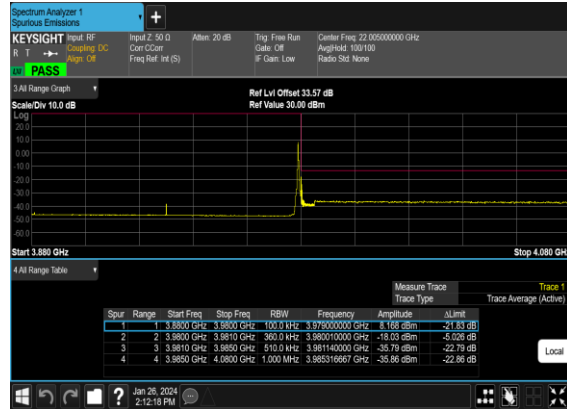
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



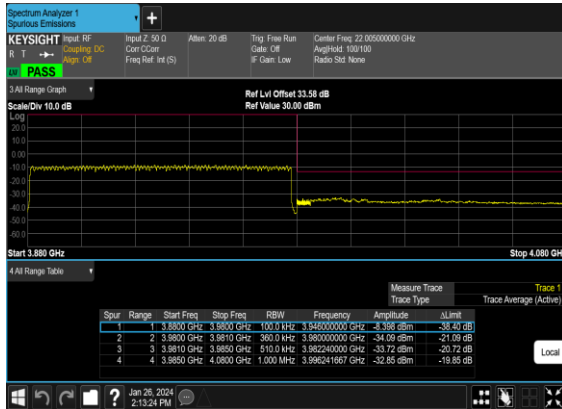
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



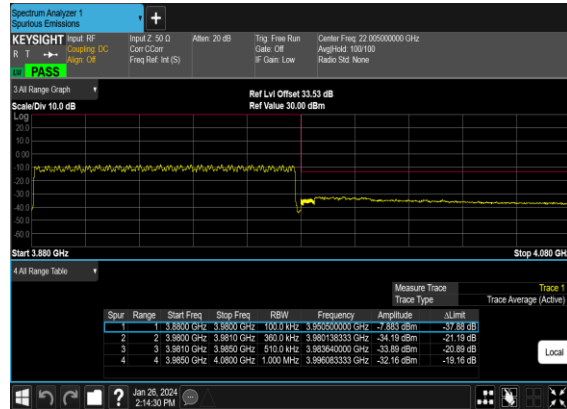
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



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Transmitter Conducted Output Power And EIRP, (G_T-L_C)=2.59dB

NR Band	SCS	Band Width	Arfcn	Freq(MHz)	Modulation	RB	ANT0 Power(dBm)	ANT2 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	20	647334	3710.01	CP-OFDM QPSK	1@1	22.37	22.98	25.70	28.29	0.6739
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	22.05	22.37	25.22	27.81	0.6044
77	30	20	647334	3710.01	CP-OFDM 64 QAM	1@1	20.51	20.99	23.77	26.36	0.4322
77	30	20	656000	3840	CP-OFDM QPSK	1@1	22.86	23.16	26.02	28.61	0.7266
77	30	20	656000	3840	CP-OFDM 16 QAM	1@1	22.38	22.7	25.55	28.14	0.6521
77	30	20	656000	3840	CP-OFDM 64 QAM	1@1	20.87	21.12	24.01	26.60	0.4568
77	30	20	664666	3969.99	CP-OFDM QPSK	1@1	22.69	23.26	25.99	28.58	0.7219
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@1	22.25	22.74	25.51	28.10	0.6460
77	30	20	664666	3969.99	CP-OFDM 64 QAM	1@1	20.79	21.27	24.05	26.64	0.4610
77	30	30	647668	3715.02	CP-OFDM QPSK	1@1	22.42	22.98	25.72	28.31	0.6775
77	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	21.97	22.47	25.24	27.83	0.6064
77	30	30	647668	3715.02	CP-OFDM 64 QAM	1@1	20.35	20.99	23.69	26.28	0.4248
77	30	30	656000	3840	CP-OFDM QPSK	1@1	22.84	23.18	26.02	28.61	0.7267
77	30	30	656000	3840	CP-OFDM 16 QAM	1@1	22.33	22.71	25.53	28.12	0.6493
77	30	30	656000	3840	CP-OFDM 64 QAM	1@1	20.83	21.17	24.01	26.60	0.4575
77	30	30	664332	3964.98	CP-OFDM QPSK	1@1	22.56	23.27	25.94	28.53	0.7128
77	30	30	664332	3964.98	CP-OFDM 16 QAM	1@1	22.16	22.83	25.52	28.11	0.6469
77	30	30	664332	3964.98	CP-OFDM 64 QAM	1@1	20.62	21.29	23.98	26.57	0.4538
77	30	40	648000	3720	CP-OFDM QPSK	1@1	22.44	23	25.74	28.33	0.6807
77	30	40	648000	3720	CP-OFDM 16 QAM	1@1	21.99	22.58	25.31	27.90	0.6159
77	30	40	648000	3720	CP-OFDM 64 QAM	1@1	20.53	21.09	23.83	26.42	0.4385
77	30	40	656000	3840	CP-OFDM QPSK	1@1	23.02	23.15	26.10	28.69	0.7389
77	30	40	656000	3840	CP-OFDM 16 QAM	1@1	22.52	22.66	25.60	28.19	0.6593
77	30	40	656000	3840	CP-OFDM 64 QAM	1@1	20.89	21.28	24.10	26.69	0.4666
77	30	40	664000	3960	CP-OFDM QPSK	1@1	22.65	23.32	26.01	28.60	0.7241
77	30	40	664000	3960	CP-OFDM 16 QAM	1@1	22.2	22.91	25.58	28.17	0.6561
77	30	40	664000	3960	CP-OFDM 64 QAM	1@1	20.67	21.36	24.04	26.63	0.4601
77	30	50	648334	3725.01	CP-OFDM QPSK	1@1	22.29	22.77	25.55	28.14	0.6512
77	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	21.64	22.35	25.02	27.61	0.5767
77	30	50	648334	3725.01	CP-OFDM 64 QAM	1@1	20.24	20.88	23.58	26.17	0.4142
77	30	50	656000	3840	CP-OFDM QPSK	1@1	22.6	22.99	25.81	28.40	0.6918
77	30	50	656000	3840	CP-OFDM 16 QAM	1@1	22.23	22.53	25.39	27.98	0.6285
77	30	50	656000	3840	CP-OFDM 64 QAM	1@1	20.72	20.96	23.85	26.44	0.4408
77	30	50	663666	3954.99	CP-OFDM QPSK	1@1	22.62	23.16	25.91	28.50	0.7077
77	30	50	663666	3954.99	CP-OFDM 16 QAM	1@1	22.23	22.53	25.39	27.98	0.6285
77	30	50	663666	3954.99	CP-OFDM 64 QAM	1@1	20.5	21.13	23.84	26.43	0.4392
77	30	60	648668	3730.02	CP-OFDM QPSK	1@1	22.42	22.9	25.68	28.27	0.6710
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	21.9	22.37	25.15	27.74	0.5945
77	30	60	648668	3730.02	CP-OFDM 64 QAM	1@1	20.39	20.8	23.61	26.20	0.4169
77	30	60	656000	3840	CP-OFDM QPSK	1@1	22.71	23.04	25.89	28.48	0.7044
77	30	60	656000	3840	CP-OFDM 16 QAM	1@1	22.17	22.6	25.40	27.99	0.6296

77	30	60	656000	3840	CP-OFDM 64 QAM	1@1	20.64	20.98	23.82	26.41	0.4379
77	30	60	663332	3949.98	CP-OFDM QPSK	1@1	22.58	23.13	25.87	28.46	0.7021
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@1	22.2	22.64	25.44	28.03	0.6347
77	30	60	663332	3949.98	CP-OFDM 64 QAM	1@1	20.59	21.14	23.88	26.47	0.4440
77	30	80	649334	3740.01	CP-OFDM QPSK	1@1	22.45	22.97	25.73	28.32	0.6789
77	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	22	22.47	25.25	27.84	0.6084
77	30	80	649334	3740.01	CP-OFDM 64 QAM	1@1	20.54	20.97	23.77	26.36	0.4326
77	30	80	656000	3840	CP-OFDM QPSK	1@1	22.56	23.16	25.88	28.47	0.7032
77	30	80	656000	3840	CP-OFDM 16 QAM	1@1	22.18	22.52	25.36	27.95	0.6243
77	30	80	656000	3840	CP-OFDM 64 QAM	1@1	20.64	21.19	23.93	26.52	0.4492
77	30	80	662666	3939.99	CP-OFDM QPSK	1@1	22.37	23.14	25.78	28.37	0.6874
77	30	80	662666	3939.99	CP-OFDM 16 QAM	1@1	21.96	22.72	25.37	27.96	0.6247
77	30	80	662666	3939.99	CP-OFDM 64 QAM	1@1	20.47	21.09	23.80	26.39	0.4356
77	30	90	649668	3745.02	CP-OFDM QPSK	1@1	22.45	23.12	25.81	28.40	0.6915
77	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	22.03	22.46	25.26	27.85	0.6096
77	30	90	649668	3745.02	CP-OFDM 64 QAM	1@1	20.58	20.97	23.79	26.38	0.4345
77	30	90	656000	3840	CP-OFDM QPSK	1@1	22.55	23.17	25.88	28.47	0.7033
77	30	90	656000	3840	CP-OFDM 16 QAM	1@1	22.05	22.61	25.35	27.94	0.6222
77	30	90	656000	3840	CP-OFDM 64 QAM	1@1	20.66	21.11	23.90	26.49	0.4458
77	30	90	662332	3934.98	CP-OFDM QPSK	1@1	22.41	23.25	25.86	28.45	0.6999
77	30	90	662332	3934.98	CP-OFDM 16 QAM	1@1	21.77	22.65	25.24	27.83	0.6071
77	30	90	662332	3934.98	CP-OFDM 64 QAM	1@1	20.3	21.04	23.70	26.29	0.4252
77	30	100	650000	3750	CP-OFDM QPSK	137@68	22.57	22.82	25.71	28.30	0.6756
77	30	100	650000	3750	CP-OFDM QPSK	1@1	22.53	22.85	25.70	28.29	0.6750
77	30	100	650000	3750	CP-OFDM QPSK	1@271	22.27	22.64	25.47	28.06	0.6396
77	30	100	650000	3750	CP-OFDM 16 QAM	137@68	22.07	22.23	25.16	27.75	0.5958
77	30	100	650000	3750	CP-OFDM 16 QAM	1@1	22.01	22.37	25.20	27.79	0.6017
77	30	100	650000	3750	CP-OFDM 16 QAM	1@271	21.78	22.19	25.00	27.59	0.5741
77	30	100	650000	3750	CP-OFDM 64 QAM	137@68	20.61	20.69	23.66	26.25	0.4217
77	30	100	650000	3750	CP-OFDM 64 QAM	1@1	20.47	20.85	23.67	26.26	0.4231
77	30	100	650000	3750	CP-OFDM 64 QAM	1@271	20.29	20.66	23.49	26.08	0.4054
77	30	100	650000	3750	CP-OFDM 256 QAM	137@68	17.61	17.73	20.68	23.27	0.2124
77	30	100	650000	3750	CP-OFDM 256 QAM	1@1	17.46	17.87	20.68	23.27	0.2123
77	30	100	650000	3750	CP-OFDM 256 QAM	1@271	17.32	17.75	20.55	23.14	0.2061
77	30	100	656000	3840	CP-OFDM QPSK	137@68	22.73	22.95	25.85	28.44	0.6985
77	30	100	656000	3840	CP-OFDM QPSK	1@1	23	23.36	26.19	28.78	0.7558
77	30	100	656000	3840	CP-OFDM QPSK	1@271	22.52	22.93	25.74	28.33	0.6808
77	30	100	656000	3840	CP-OFDM 16 QAM	137@68	22.26	22.51	25.40	27.99	0.6291
77	30	100	656000	3840	CP-OFDM 16 QAM	1@1	22.04	22.51	25.29	27.88	0.6140
77	30	100	656000	3840	CP-OFDM 16 QAM	1@271	22.13	22.58	25.37	27.96	0.6253
77	30	100	656000	3840	CP-OFDM 64 QAM	137@68	20.68	20.99	23.85	26.44	0.4404
77	30	100	656000	3840	CP-OFDM 64 QAM	1@1	20.46	21.06	23.78	26.37	0.4336
77	30	100	656000	3840	CP-OFDM 64 QAM	1@271	20.45	20.98	23.73	26.32	0.4289
77	30	100	656000	3840	CP-OFDM 256 QAM	137@68	17.68	18.01	20.86	23.45	0.2212
77	30	100	656000	3840	CP-OFDM 256 QAM	1@1	17.56	17.99	20.79	23.38	0.2178
77	30	100	656000	3840	CP-OFDM 256 QAM	1@271	17.49	18.04	20.78	23.37	0.2175
77	30	100	662000	3930	CP-OFDM QPSK	137@68	22.59	23.08	25.85	28.44	0.6986
77	30	100	662000	3930	CP-OFDM QPSK	1@1	22.33	23.07	25.73	28.32	0.6786

77	30	100	662000	3930	CP-OFDM QPSK	1@271	22.71	23.25	26.00	28.59	0.7226
77	30	100	662000	3930	CP-OFDM 16 QAM	137@68	22.16	22.58	25.39	27.98	0.6274
77	30	100	662000	3930	CP-OFDM 16 QAM	1@1	21.86	22.65	25.28	27.87	0.6128
77	30	100	662000	3930	CP-OFDM 16 QAM	1@271	22.39	22.58	25.50	28.09	0.6436
77	30	100	662000	3930	CP-OFDM 64 QAM	137@68	20.62	21.07	23.86	26.45	0.4417
77	30	100	662000	3930	CP-OFDM 64 QAM	1@1	20.43	21.12	23.80	26.39	0.4354
77	30	100	662000	3930	CP-OFDM 64 QAM	1@271	20.75	21.1	23.94	26.53	0.4497
77	30	100	662000	3930	CP-OFDM 256 QAM	137@68	17.67	18.06	20.88	23.47	0.2223
77	30	100	662000	3930	CP-OFDM 256 QAM	1@1	17.31	18.07	20.72	23.31	0.2141
77	30	100	662000	3930	CP-OFDM 256 QAM	1@271	17.66	18.04	20.86	23.45	0.2215

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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	0.0021	PASS	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0016	PASS	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0033	PASS	HV
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	0.0019	PASS	-20°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0009	PASS	-10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.0059	PASS	0°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0031	PASS	10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0067	PASS	20°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0029	PASS	30°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0038	PASS	40°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0068	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	7.04	13	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	7.68	13	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	7.06	13	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@0	8.72	13	PASS

N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



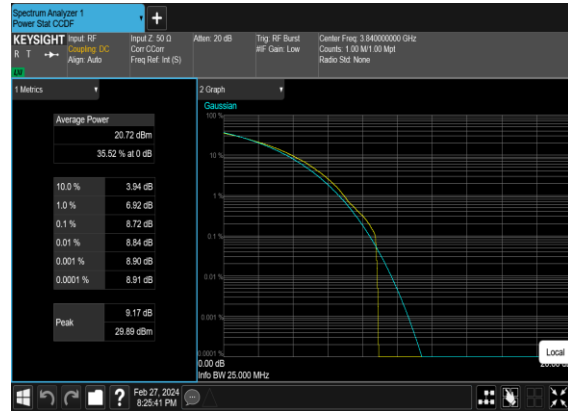
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



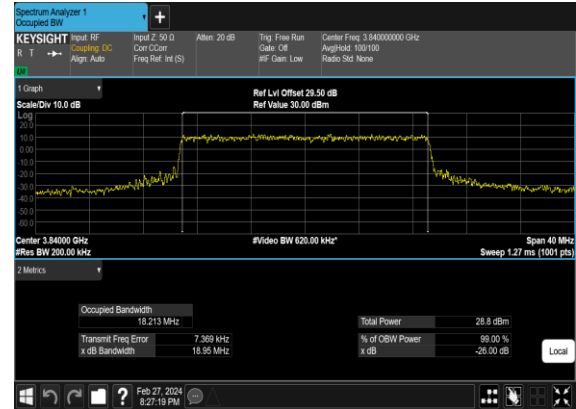
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.195	19.2
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.213	18.95
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.245	19.23
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.148	19.36
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.707	29.02
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.852	28.89
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.898	28.91
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.785	28.95
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.7	39.19
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.825	39.27
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.878	39.25
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.768	39.15
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.533	49.21
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.572	49.13
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.285	48.95
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.375	49.29
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.874	59.85
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.678	59.74
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.805	59.73
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.774	59.72
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.457	79.88
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.645	79.96
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.395	80.05
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.501	80.1
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.169	90.28
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.535	90.26
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.569	90.19
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.447	90.31
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.302	100.5
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.64	100.6
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.296	100.4
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.291	100.6

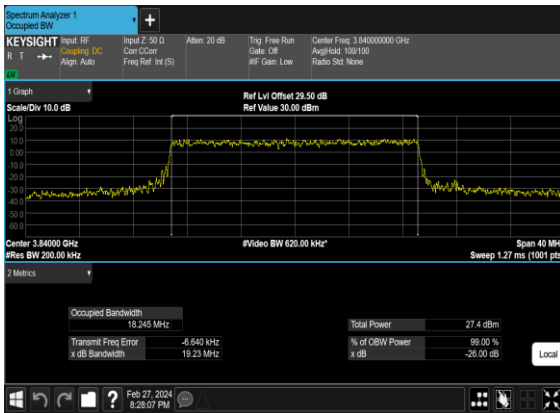
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



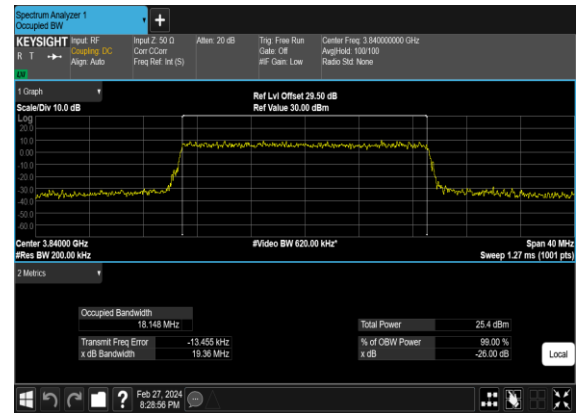
N77(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



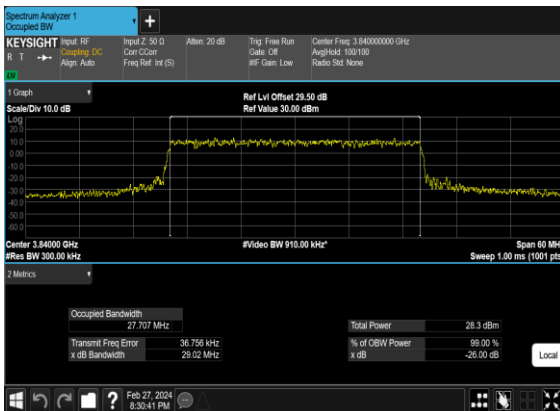
N77(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



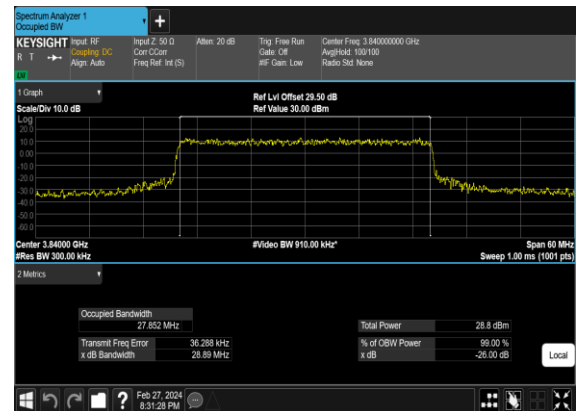
N77(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



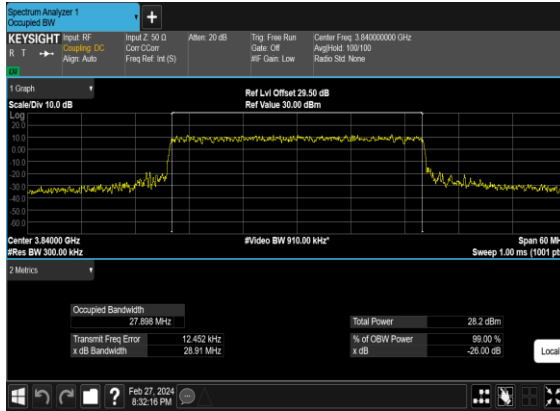
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



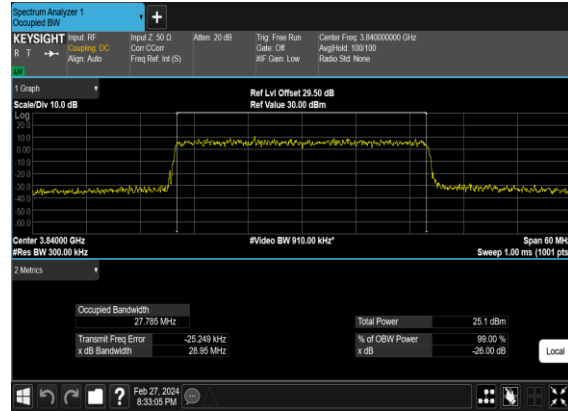
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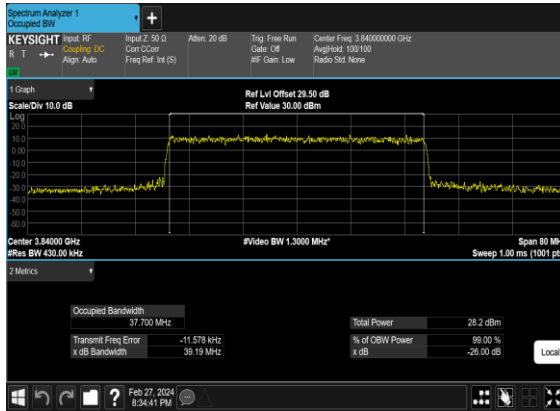
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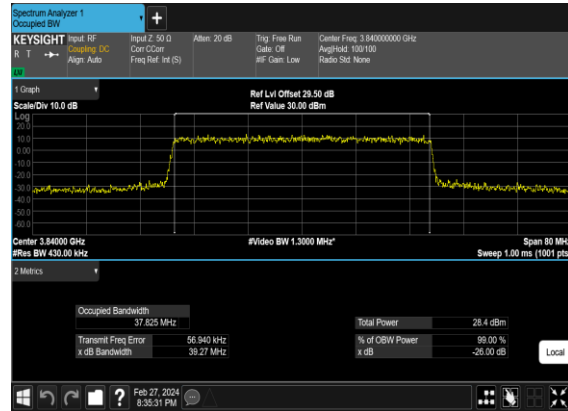
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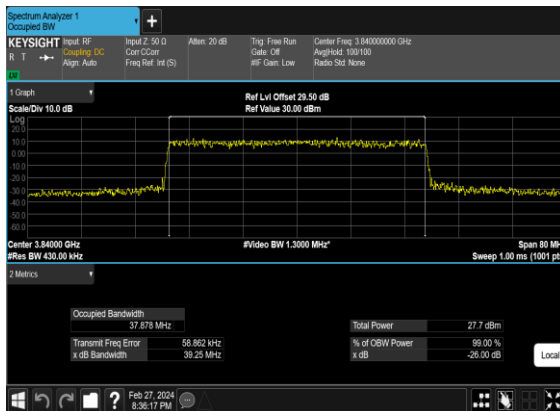
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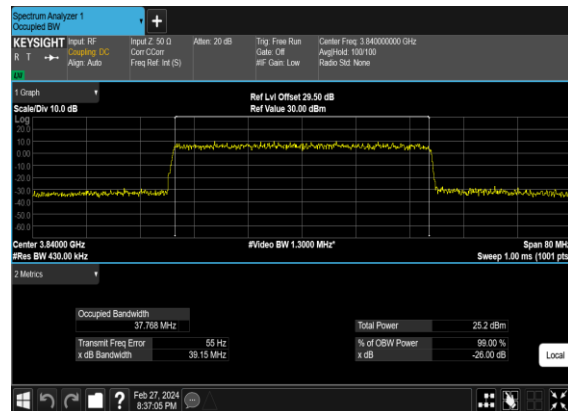
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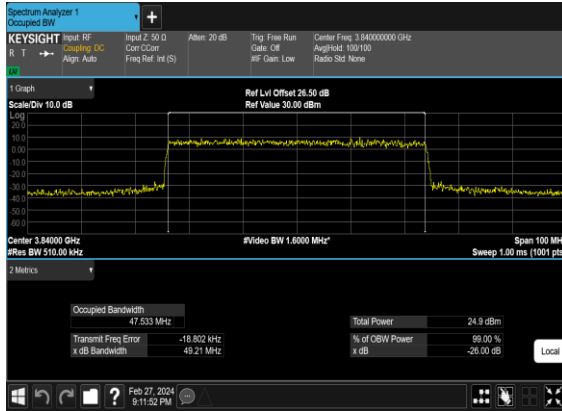
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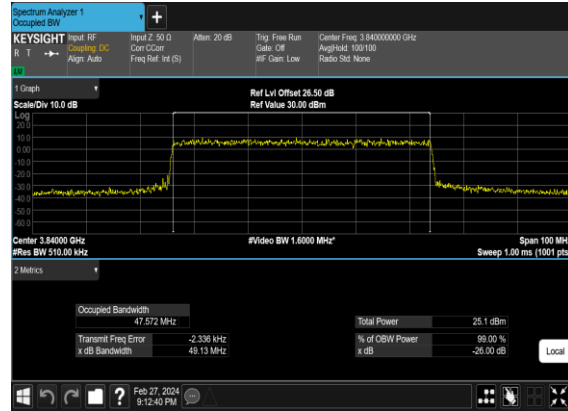
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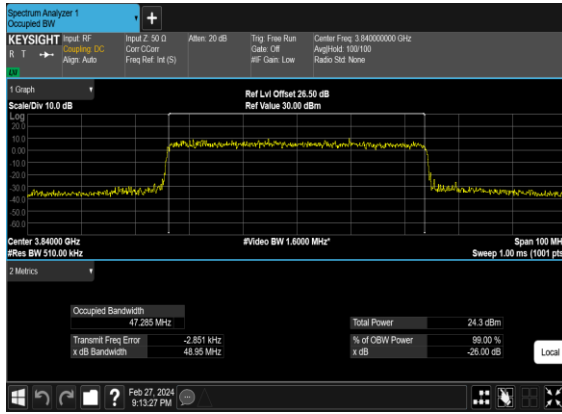
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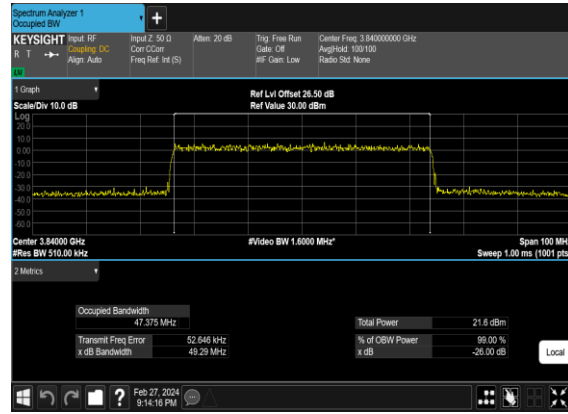
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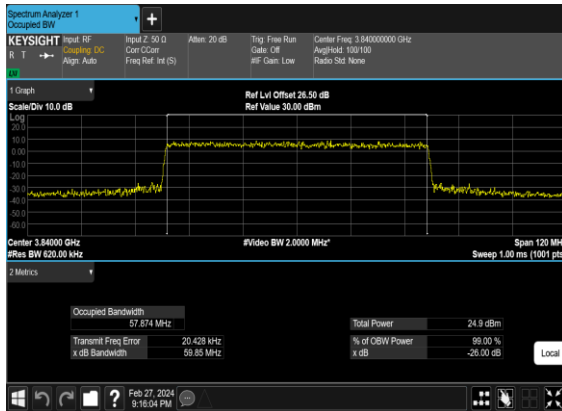
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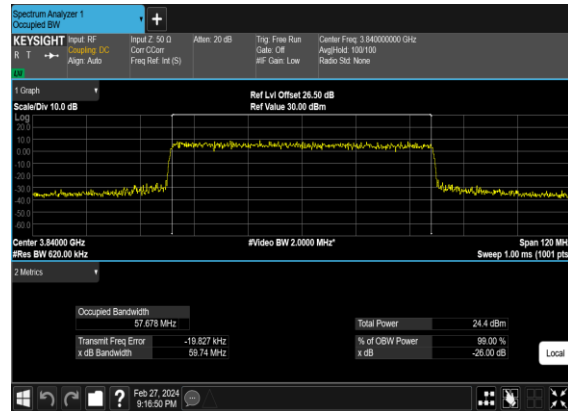
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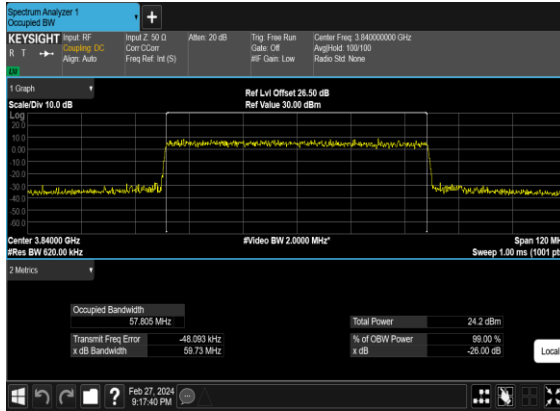
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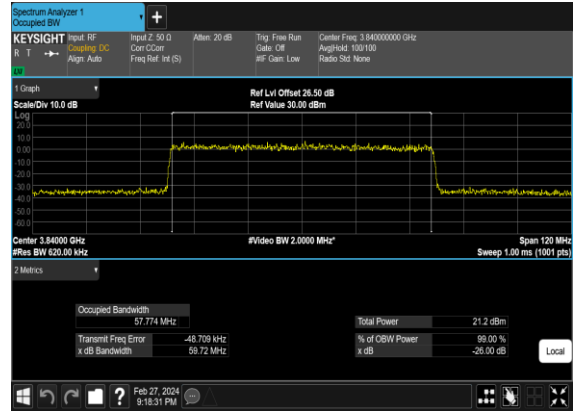
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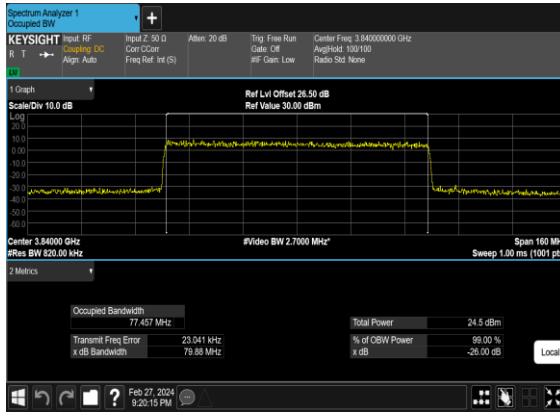
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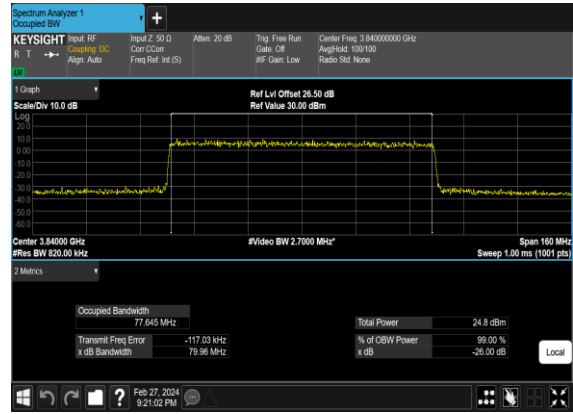
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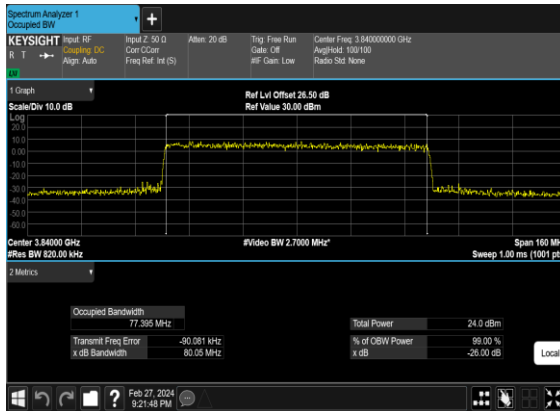
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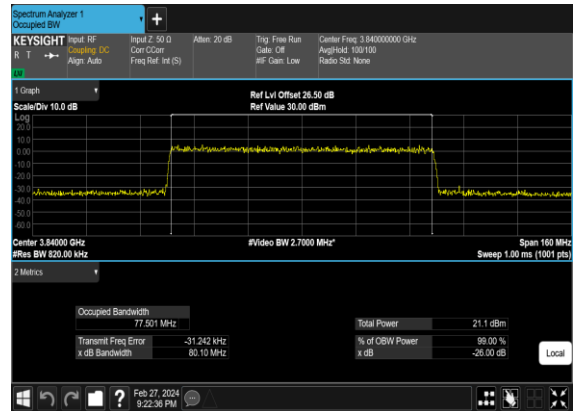
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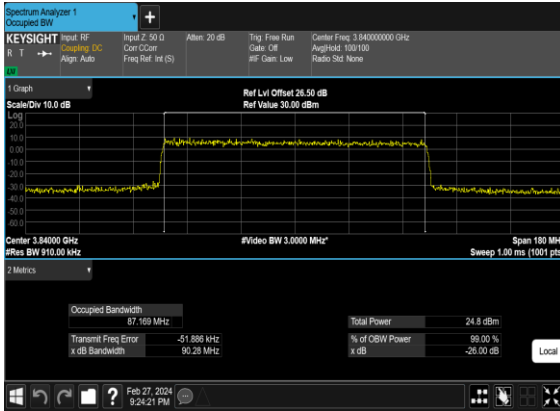
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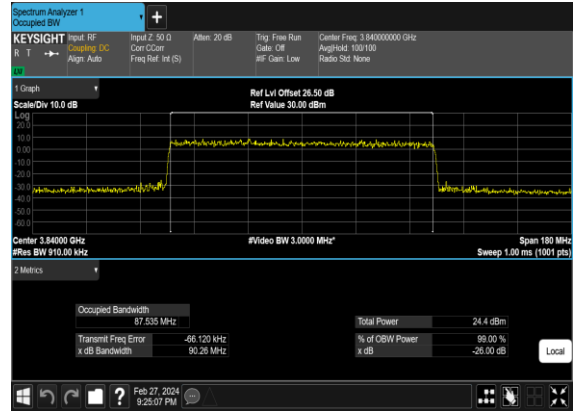
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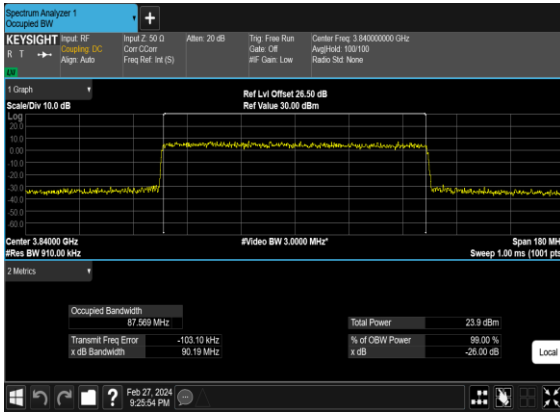
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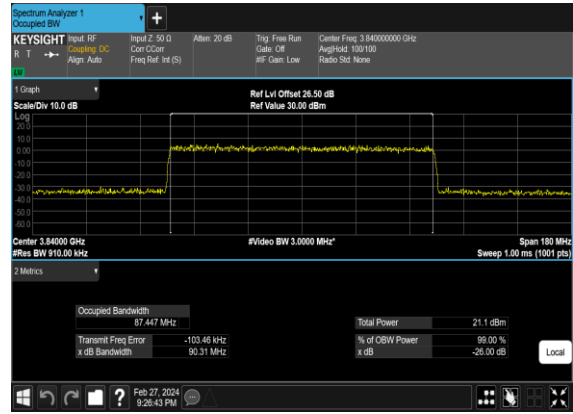
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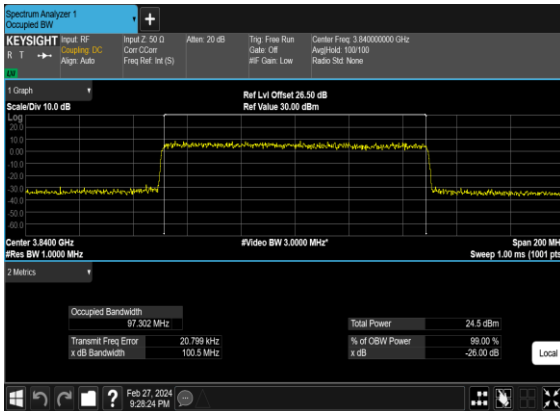
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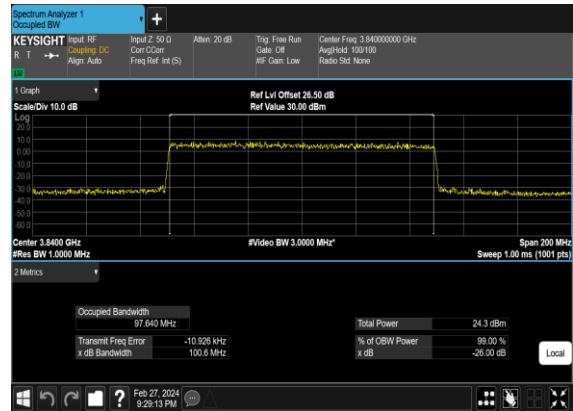
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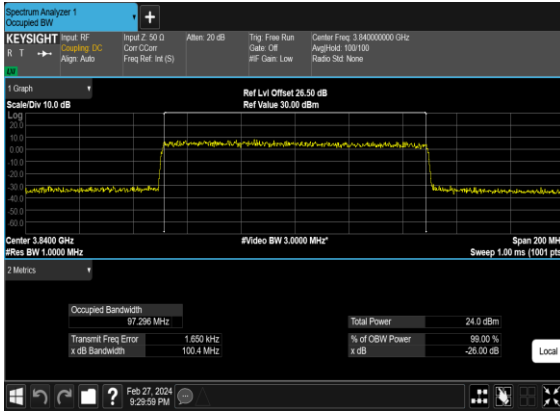
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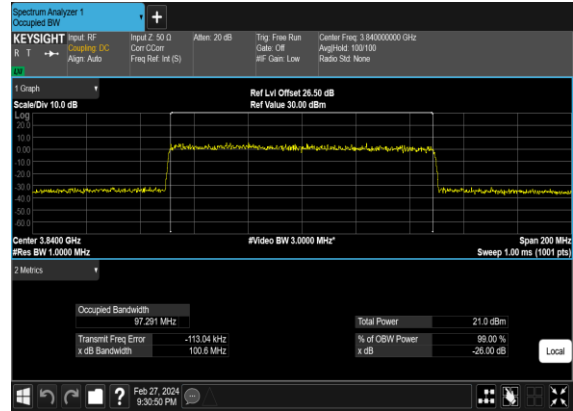
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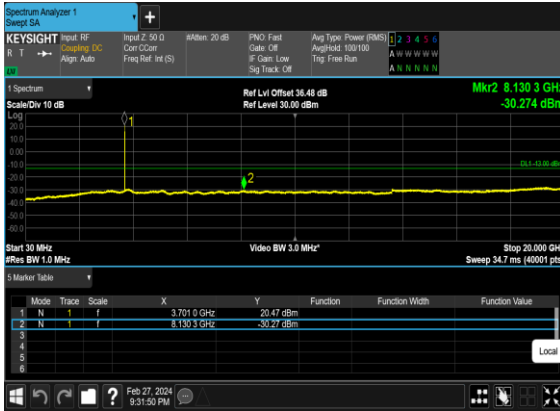


Conducted Spurious Emissions

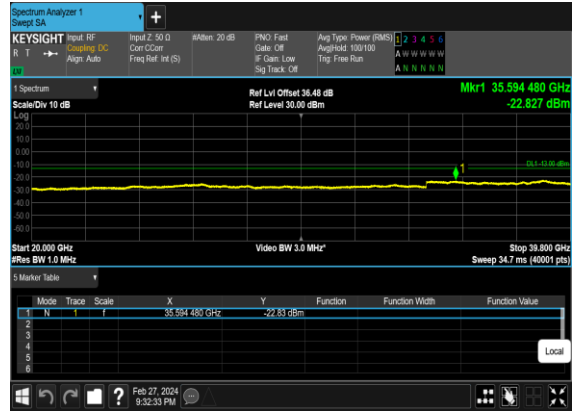
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	---
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@0	see graph	---
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	---
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@0	see graph	---
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	---
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	30	60	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	1@0	see graph	---
77	30	60	663332	3949.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@0	see graph	PASS

77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@0	see graph	PASS
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77	30	100	650000	3750.0	CP-OFDM 16 QAM	1@0	see graph	---
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77	30	100	650000	3750.0	CP-OFDM 16 QAM	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	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	100	656000	3840.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	656000	3840.0	CP-OFDM 16 QAM	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
77	30	100	662000	3930.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	100	662000	3930.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM 16 QAM	1@0	see graph	PASS

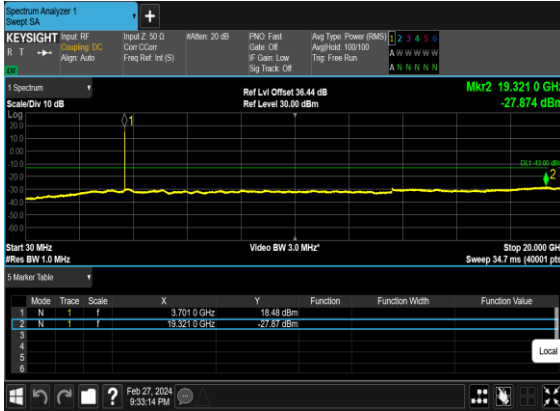
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



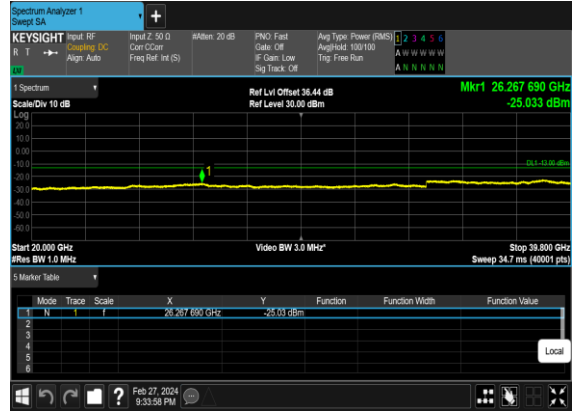
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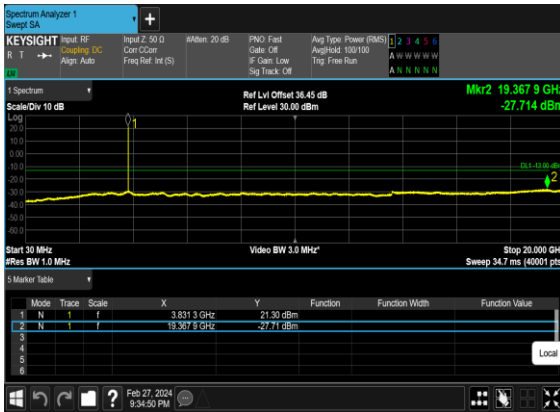
N77(20M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



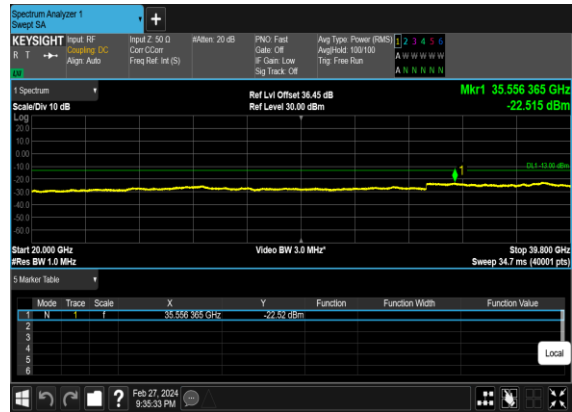
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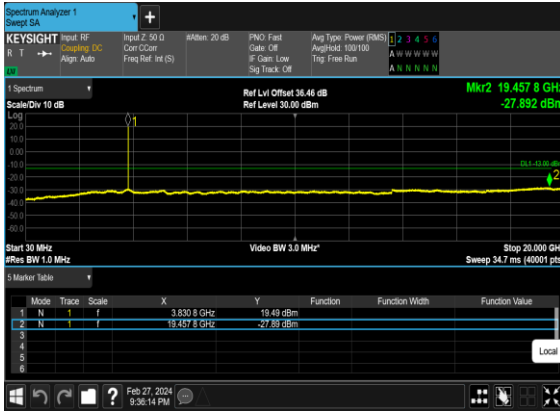
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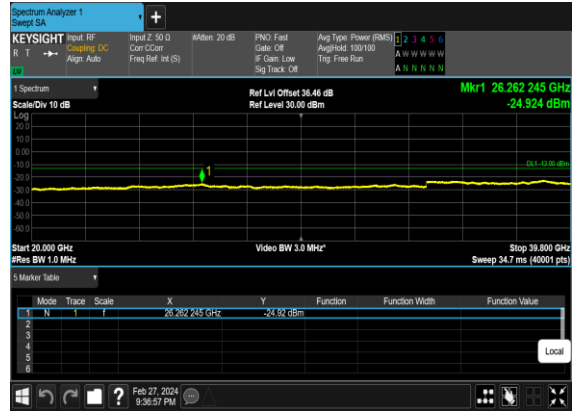
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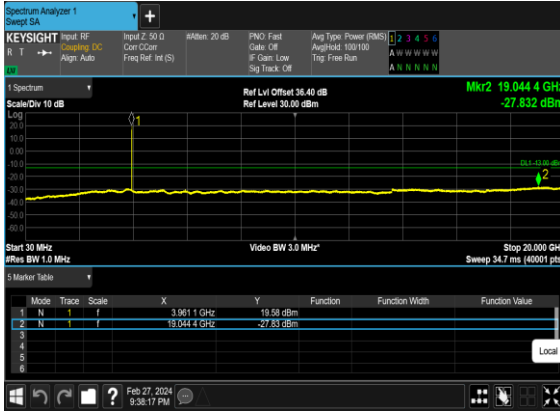
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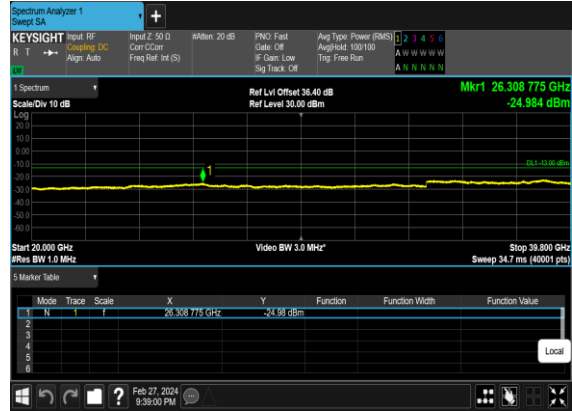
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N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



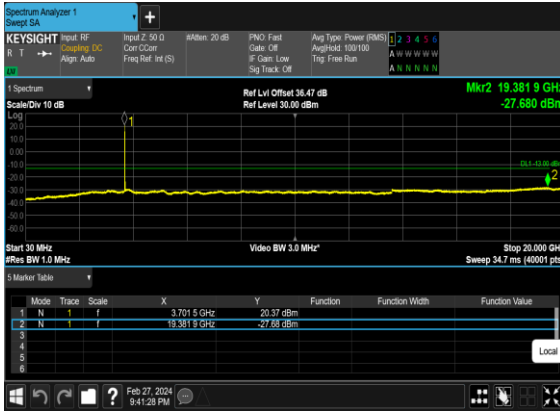
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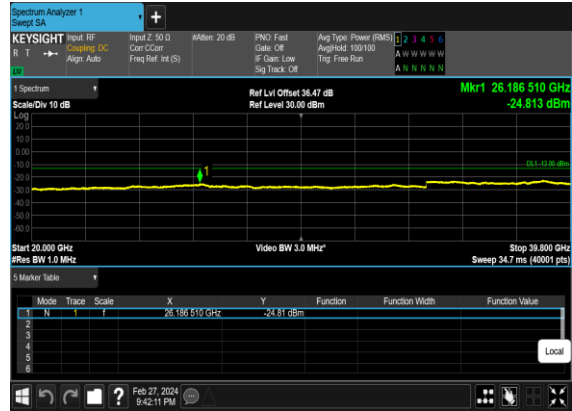
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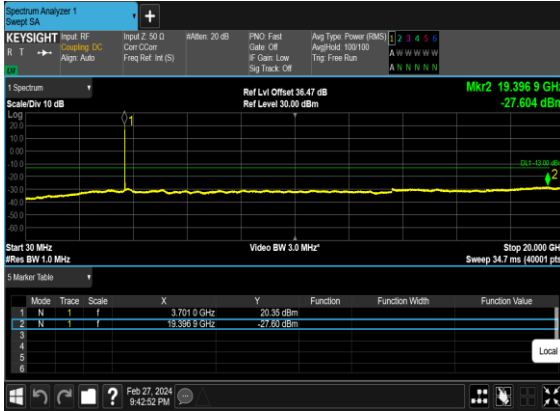
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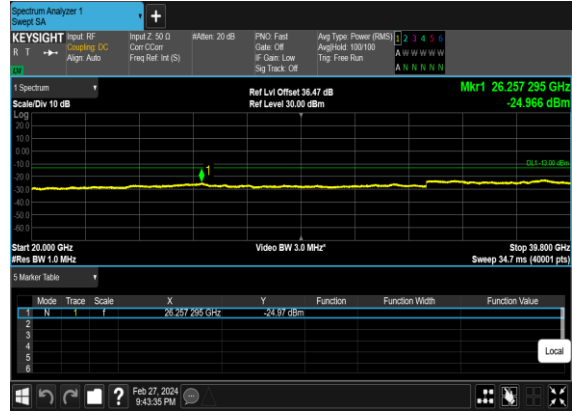
N77(60M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



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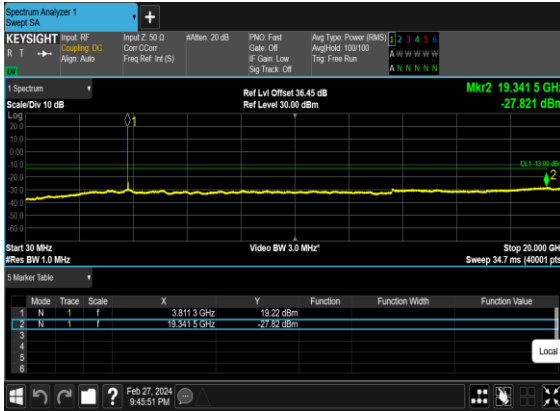
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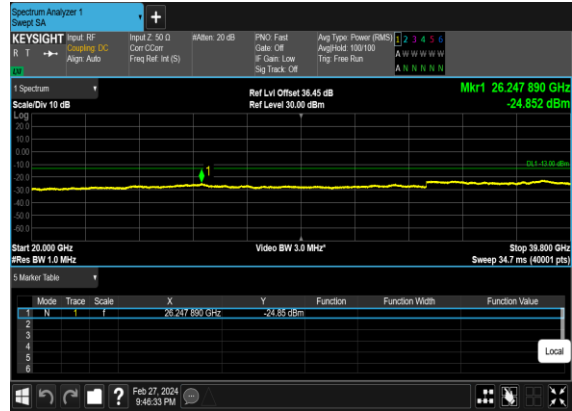
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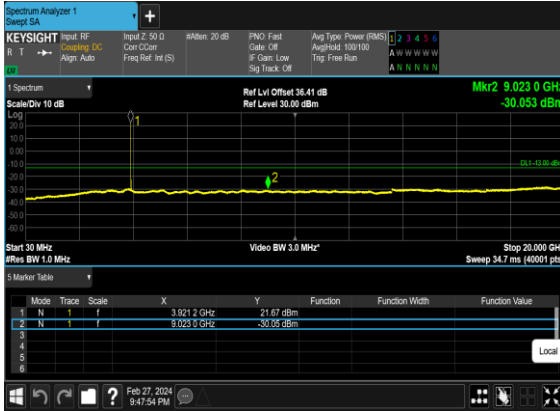
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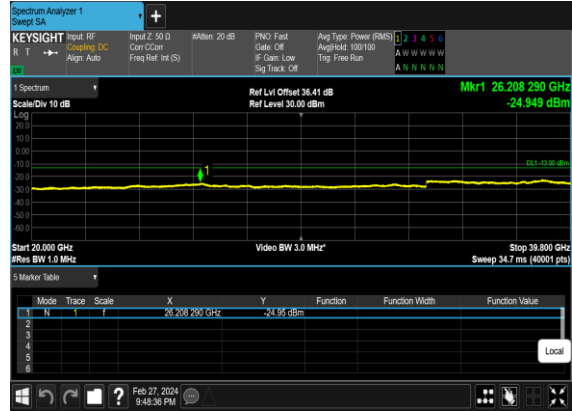
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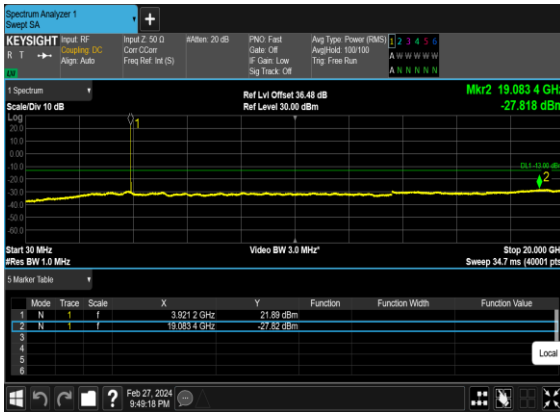
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N77(60M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



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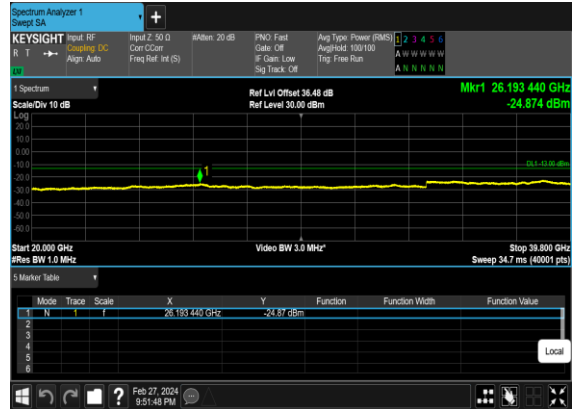
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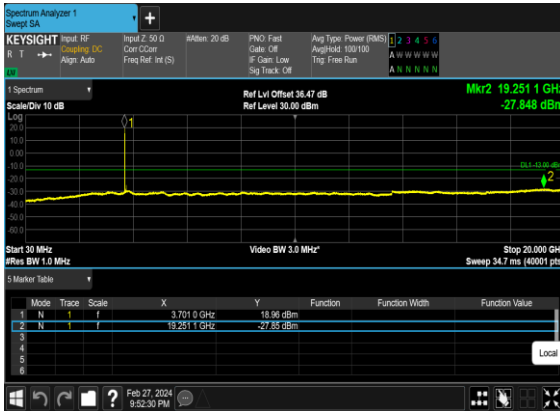
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OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



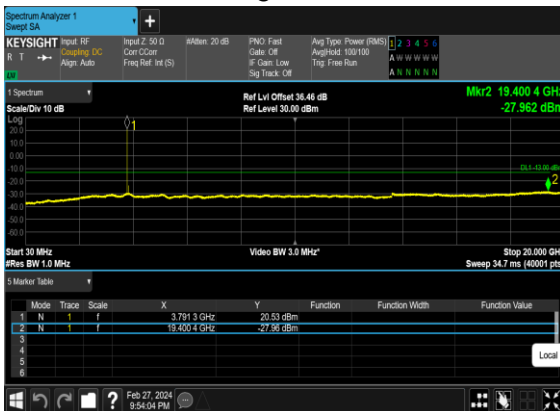
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QAM_Edge_1RB_Left_Low_CH



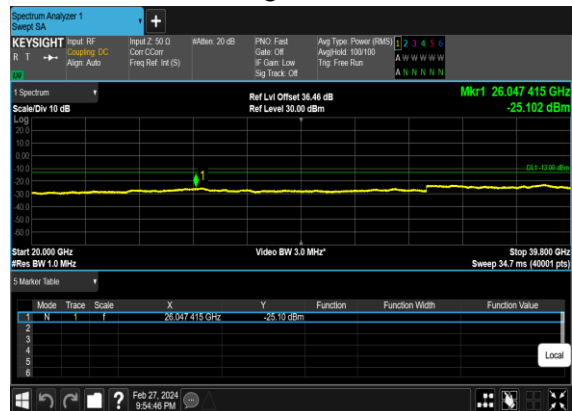
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QAM_Edge_1RB_Left_Low_CH



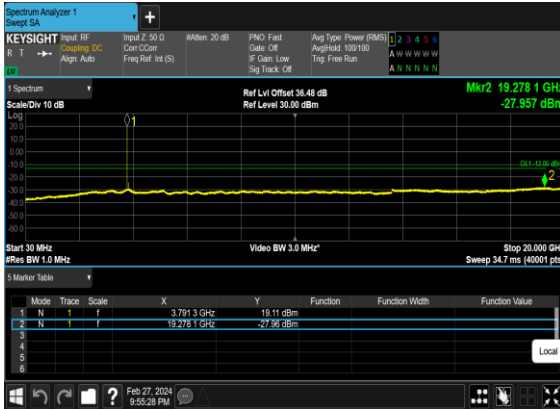
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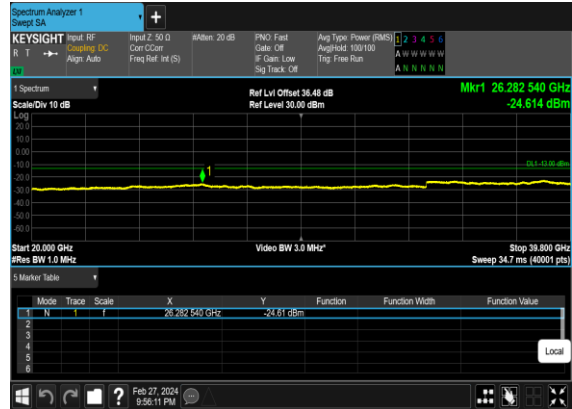
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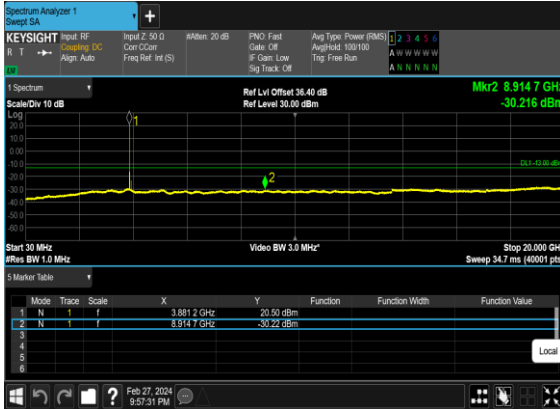
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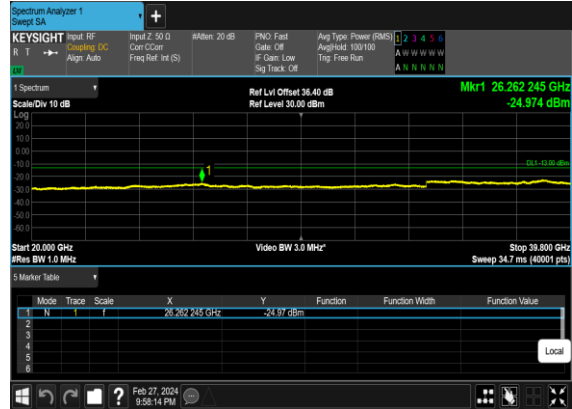
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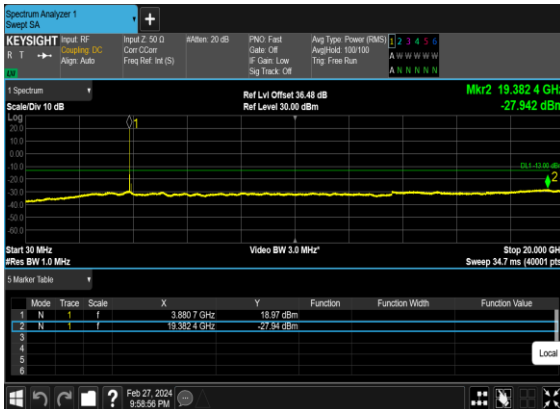
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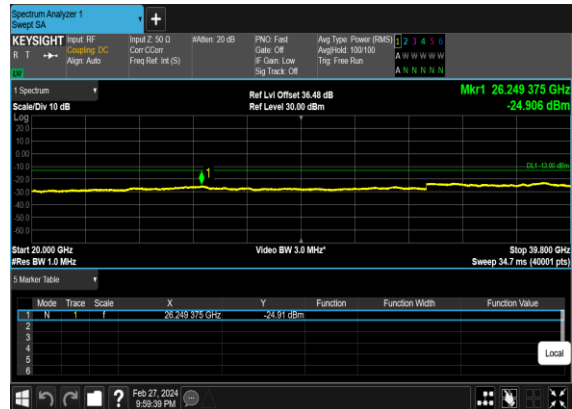
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



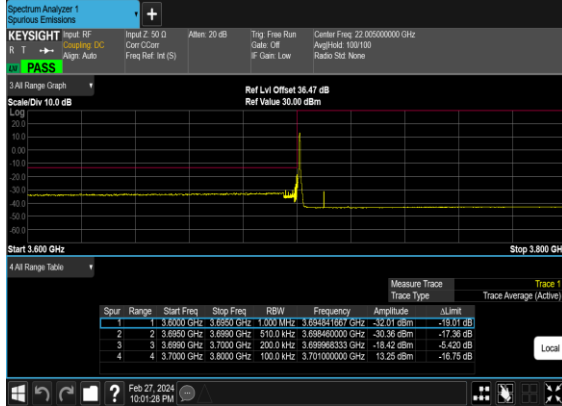
N77(100M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	647334	3710.01	CP-OFDM 16 QAM	51@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	1@50	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@50	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM QPSK	51@0	see graph	PASS
77	30	20	664666	3969.99	CP-OFDM 16 QAM	51@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	648668	3730.02	CP-OFDM 16 QAM	162@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@161	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	CP-OFDM 16 QAM	162@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 16 QAM	1@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	650000	3750.0	CP-OFDM 16 QAM	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 16 QAM	1@272	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	662000	3930.0	CP-OFDM 16 QAM	273@0	see graph	PASS

N77(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(20M)_CP-OFDM_16QAM_Edge_1RB_Left_Low_CH



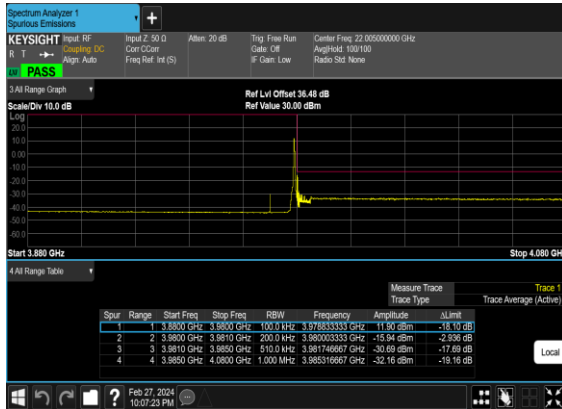
N77(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH



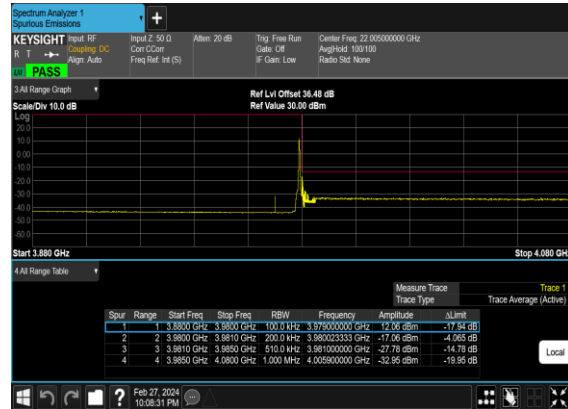
N77(20M)_CP-OFDM_16QAM_Outer_Full_Low_CH



N77(20M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(20M)_CP-OFDM_16QAM_Edge_1RB_Right_High_CH



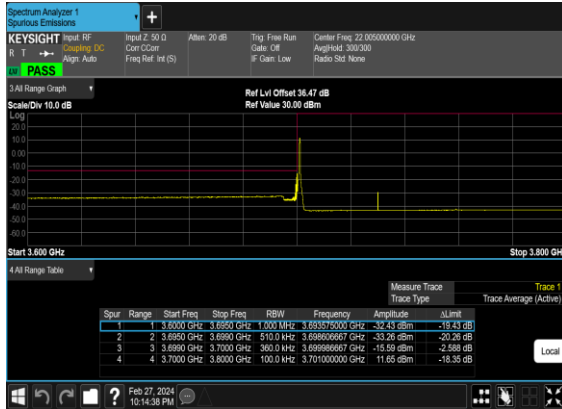
N77(20M)_CP-OFDM_QPSK_Outer_Full_High_CH



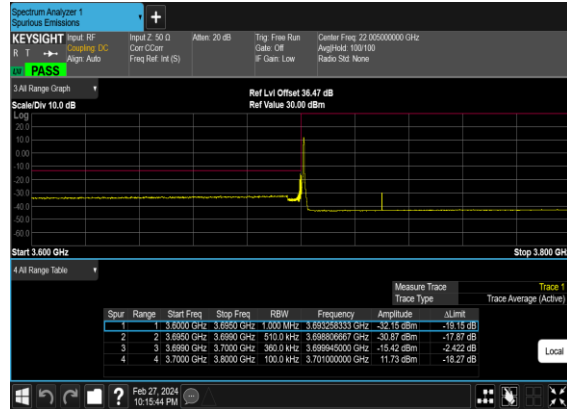
N77(20M)_CP-OFDM_16QAM_Outer_Full_High_CH



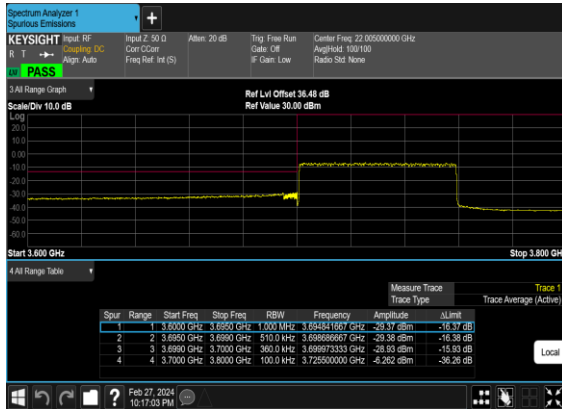
N77(60M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



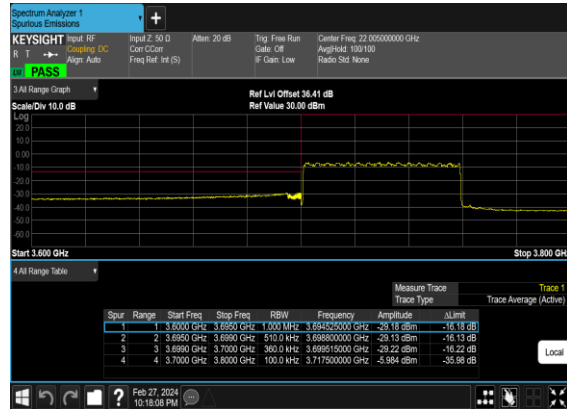
N77(60M)_CP-OFDM_16QAM_Edge_1RB_Left_Low_CH



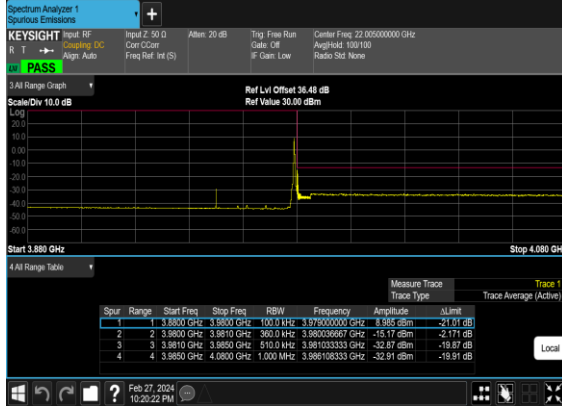
N77(60M)_CP-OFDM_QPSK_Outer_Full_Low_CH



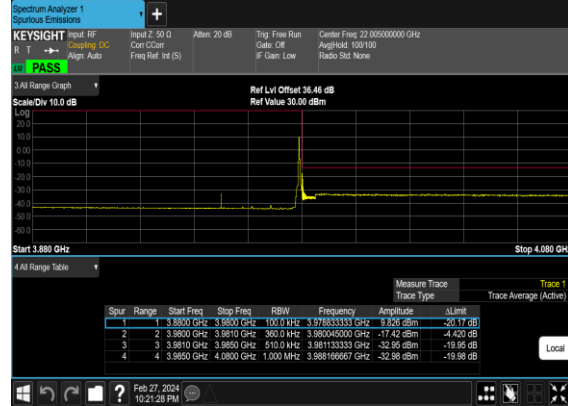
N77(60M)_CP-OFDM_16QAM_Outer_Full_Low_CH



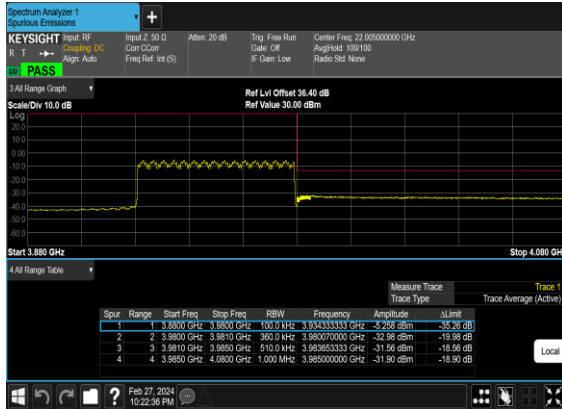
N77(60M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



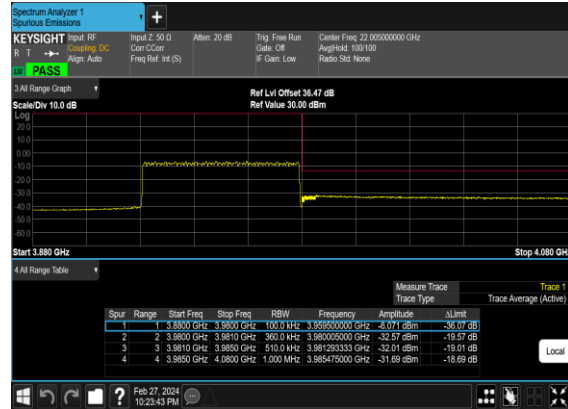
N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Right_High_CH



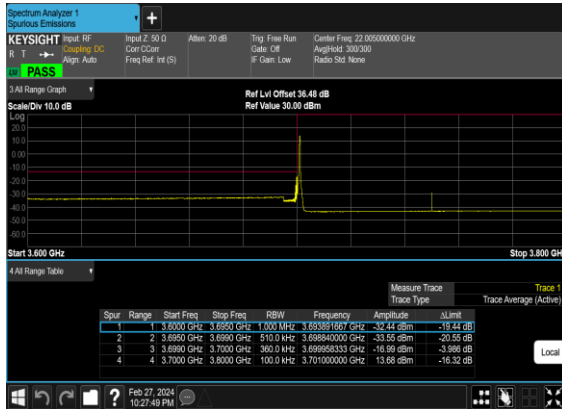
N77(60M)_CP- OFDM_QPSK_Outer_Full_High_CH



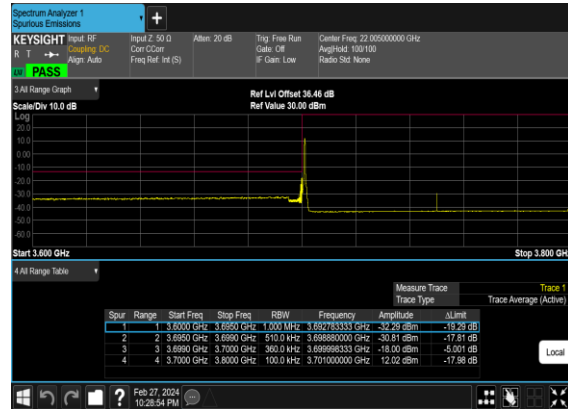
N77(60M)_CP-OFDM_16 QAM_Outer_Full_High_CH



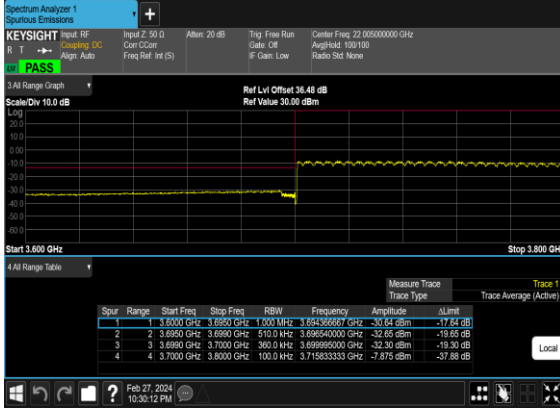
N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



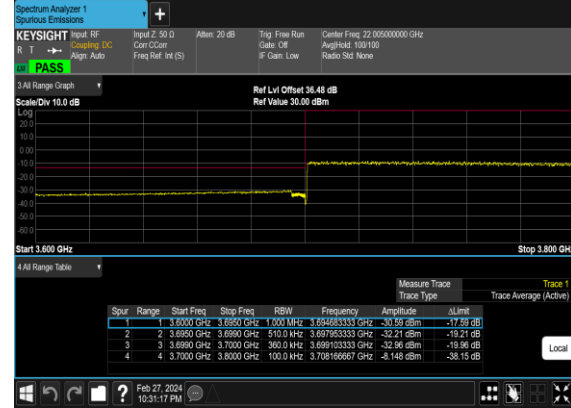
N77(100M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



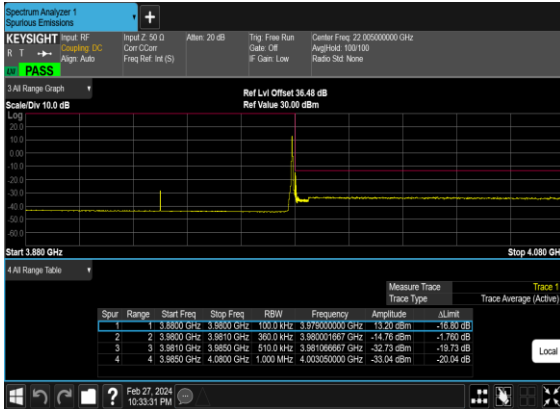
N77(100M)_CP-OFDM_QPSK_Outer_Full_Low_CH



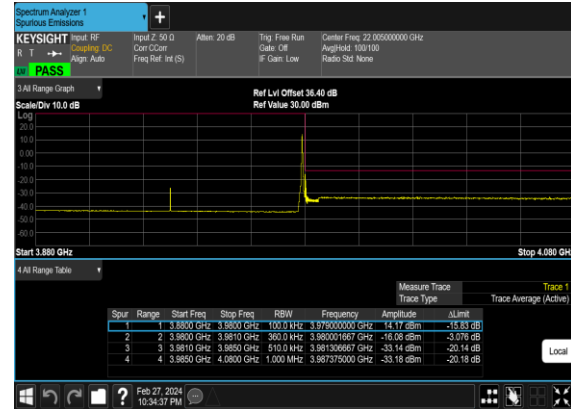
N77(100M)_CP-OFDM_16QAM_Outer_Full_Low_CH



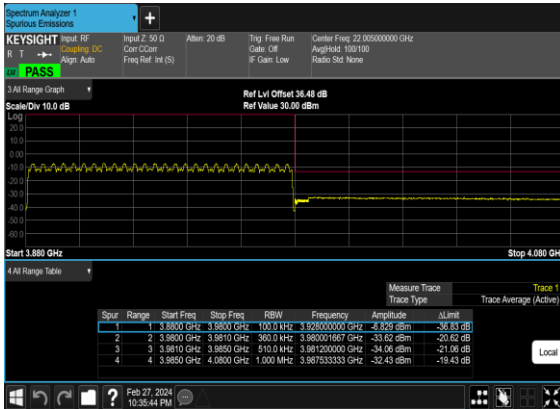
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



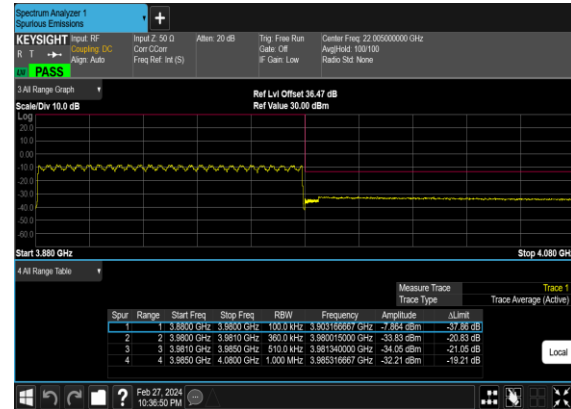
N77(100M)_CP-OFDM_16QAM_Edge_1RB_Right_High_CH



N77(100M)_CP-OFDM_QPSK_Outer_Full_High_CH



N77(100M)_CP-OFDM_16QAM_Outer_Full_High_CH



FR1 N77 MIMO-ANT2

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	-0.0017	PASS	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0024	PASS	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0025	PASS	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0016	PASS	-30°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0022	PASS	-20°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.0010	PASS	-10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0043	PASS	0°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.0024	PASS	10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0055	PASS	20°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0036	PASS	30°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	0.0016	PASS	40°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.0047	PASS	50°C

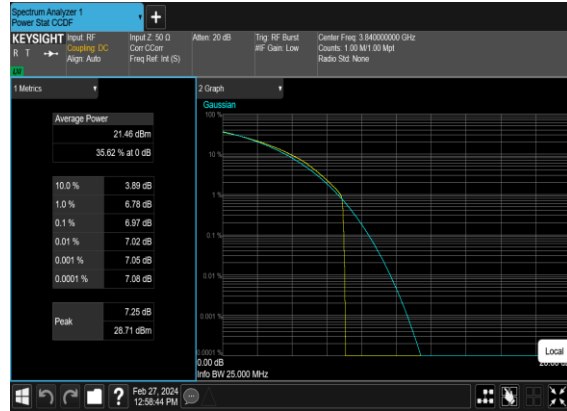
Peak to Average Ratio

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	7.55	13	PASS
77	30	20	656000	3840.0	CP-OFDM QPSK	1@0	6.97	13	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	7.46	13	PASS
77	30	20	656000	3840.0	CP-OFDM 16 QAM	1@0	8.63	13	PASS

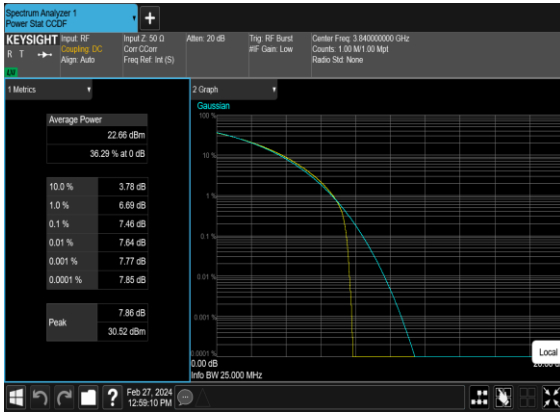
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_16
QAM_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	20	656000	3840.0	CP-OFDM QPSK	51@0	18.189	19.39
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.227	19.43
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.208	19.44
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.152	19.03
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.764	29.03
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.833	28.95
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.826	28.75
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.775	29.0
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.888	39.26
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.71	39.02
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.823	39.27
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.823	39.12
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.574	49.06
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.368	49.08
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.453	48.94
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.382	49.08
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.84	59.88
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.809	59.64
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.663	59.71
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.992	59.77
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.352	79.92
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.614	79.95
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.38	80.09
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.609	79.95
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.63	90.32
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.566	90.07
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.497	90.32
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.356	90.22
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.317	100.5
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.183	100.5
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.411	100.5
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.055	100.5