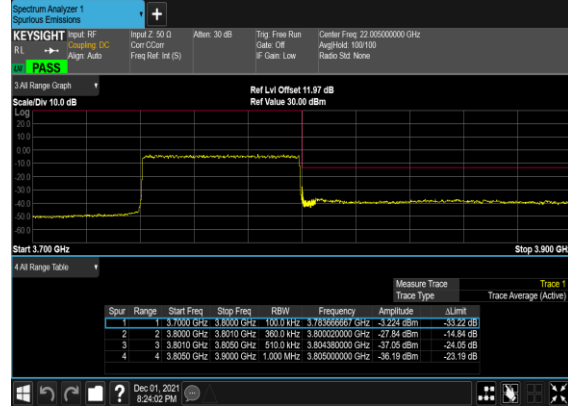


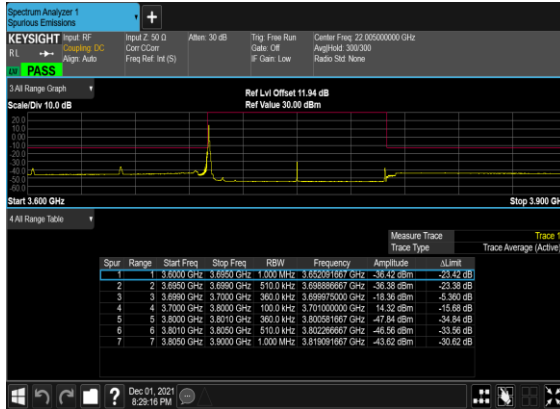
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



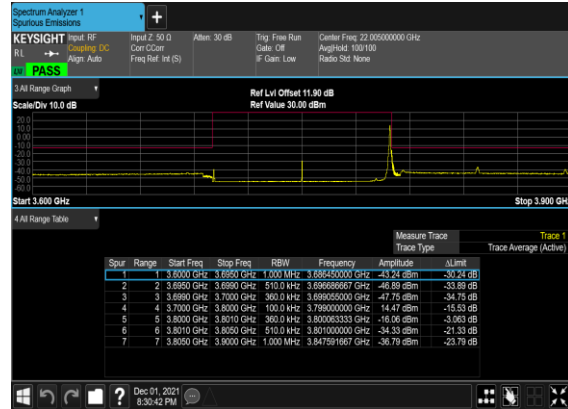
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



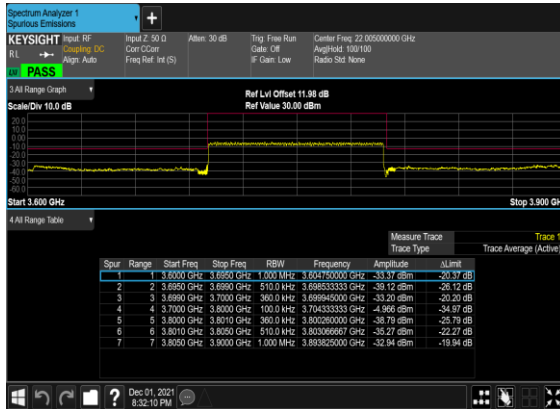
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78 UL MIMO ANT10+ANT11

Transmitter Conducted Output Power And EIRP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT10 Power(dBm)	ANT11 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	647334	3710.01	CP-OFDM QPSK	25@12	21.12	21.08	24.11	25.22	0.3327
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	21.06	21.05	24.07	25.18	0.3293
78	30	20	647334	3710.01	CP-OFDM QPSK	1@49	21.14	21.14	24.15	25.26	0.3358
78	30	20	647334	3710.01	CP-OFDM 16 QAM	25@12	20.69	20.71	23.71	24.82	0.3034
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	20.53	20.49	23.52	24.63	0.2904
78	30	20	647334	3710.01	CP-OFDM 16 QAM	1@49	20.67	20.6	23.65	24.76	0.2989
78	30	20	647334	3710.01	CP-OFDM 64 QAM	25@12	19.12	19.26	22.20	23.31	0.2143
78	30	20	647334	3710.01	CP-OFDM 64 QAM	1@1	19.16	18.88	22.03	23.14	0.2062
78	30	20	647334	3710.01	CP-OFDM 64 QAM	1@49	19.2	19	22.11	23.22	0.2100
78	30	20	647334	3710.01	CP-OFDM 256 QAM	25@12	16.15	16.26	19.22	20.33	0.1078
78	30	20	647334	3710.01	CP-OFDM 256 QAM	1@1	15.14	14.94	18.05	19.16	0.0824
78	30	20	647334	3710.01	CP-OFDM 256 QAM	1@49	15.29	15.28	18.30	19.41	0.0872
78	30	20	650000	3750	CP-OFDM QPSK	25@12	21.07	20.98	24.04	25.15	0.3270
78	30	20	650000	3750	CP-OFDM QPSK	1@1	21	21.01	24.02	25.13	0.3255
78	30	20	650000	3750	CP-OFDM QPSK	1@49	21.15	21.04	24.11	25.22	0.3323
78	30	20	650000	3750	CP-OFDM 16 QAM	25@12	20.66	20.5	23.59	24.70	0.2952
78	30	20	650000	3750	CP-OFDM 16 QAM	1@1	20.63	20.46	23.56	24.67	0.2928
78	30	20	650000	3750	CP-OFDM 16 QAM	1@49	20.76	20.46	23.62	24.73	0.2974
78	30	20	650000	3750	CP-OFDM 64 QAM	25@12	19.13	19.05	22.10	23.21	0.2094
78	30	20	650000	3750	CP-OFDM 64 QAM	1@1	19.08	18.87	21.99	23.10	0.2040
78	30	20	650000	3750	CP-OFDM 64 QAM	1@49	19.2	18.8	22.01	23.12	0.2053
78	30	20	650000	3750	CP-OFDM 256 QAM	25@12	16.13	15.91	19.03	20.14	0.1033
78	30	20	650000	3750	CP-OFDM 256 QAM	1@1	16.14	16.08	19.12	20.23	0.1054
78	30	20	650000	3750	CP-OFDM 256 QAM	1@49	16.16	16.13	19.16	20.27	0.1063
78	30	20	652666	3789.99	CP-OFDM QPSK	25@12	21.06	21.16	24.12	25.23	0.3335
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	21.13	21.06	24.11	25.22	0.3323
78	30	20	652666	3789.99	CP-OFDM QPSK	1@49	21.23	21.16	24.21	25.32	0.3401
78	30	20	652666	3789.99	CP-OFDM 16 QAM	25@12	20.62	20.74	23.69	24.80	0.3020
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@1	20.63	20.53	23.59	24.70	0.2952
78	30	20	652666	3789.99	CP-OFDM 16 QAM	1@49	20.72	20.63	23.69	24.80	0.3017

78	30	20	652666	3789.99	CP-OFDM 64 QAM	25@12	19.05	19.25	22.16	23.27	0.2124
78	30	20	652666	3789.99	CP-OFDM 64 QAM	1@1	19.14	18.94	22.05	23.16	0.2071
78	30	20	652666	3789.99	CP-OFDM 64 QAM	1@49	19.29	18.97	22.14	23.25	0.2115
78	30	20	652666	3789.99	CP-OFDM 256 QAM	25@12	16.15	16.31	19.24	20.35	0.1084
78	30	20	652666	3789.99	CP-OFDM 256 QAM	1@1	15.52	14.68	18.13	19.24	0.0840
78	30	20	652666	3789.99	CP-OFDM 256 QAM	1@49	15.65	15.49	18.58	19.69	0.0931
78	30	30	647668	3715.02	CP-OFDM QPSK	39@19	21.16	21.11	24.15	25.26	0.3354
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	21.16	21.1	24.14	25.25	0.3350
78	30	30	647668	3715.02	CP-OFDM QPSK	1@76	21.19	21.3	24.26	25.37	0.3440
78	30	30	647668	3715.02	CP-OFDM 16 QAM	39@19	20.73	20.67	23.71	24.82	0.3034
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@1	20.83	20.47	23.66	24.77	0.3002
78	30	30	647668	3715.02	CP-OFDM 16 QAM	1@76	20.84	20.76	23.81	24.92	0.3105
78	30	30	647668	3715.02	CP-OFDM 64 QAM	39@19	19.18	19.1	22.15	23.26	0.2119
78	30	30	647668	3715.02	CP-OFDM 64 QAM	1@1	19.21	18.95	22.09	23.20	0.2090
78	30	30	647668	3715.02	CP-OFDM 64 QAM	1@76	19.28	19.13	22.22	23.33	0.2151
78	30	30	647668	3715.02	CP-OFDM 256 QAM	39@19	16.21	16.37	19.30	20.41	0.1099
78	30	30	647668	3715.02	CP-OFDM 256 QAM	1@1	16.19	16.29	19.25	20.36	0.1087
78	30	30	647668	3715.02	CP-OFDM 256 QAM	1@76	16.27	16.49	19.39	20.50	0.1122
78	30	30	650000	3750	CP-OFDM QPSK	39@19	21.15	21.13	24.15	25.26	0.3358
78	30	30	650000	3750	CP-OFDM QPSK	1@1	21.22	21.06	24.15	25.26	0.3358
78	30	30	650000	3750	CP-OFDM QPSK	1@76	21.2	21.13	24.18	25.29	0.3377
78	30	30	650000	3750	CP-OFDM 16 QAM	39@19	20.69	20.65	23.68	24.79	0.3013
78	30	30	650000	3750	CP-OFDM 16 QAM	1@1	20.93	20.67	23.81	24.92	0.3106
78	30	30	650000	3750	CP-OFDM 16 QAM	1@76	20.86	20.75	23.82	24.93	0.3109
78	30	30	650000	3750	CP-OFDM 64 QAM	39@19	19.15	19.13	22.15	23.26	0.2119
78	30	30	650000	3750	CP-OFDM 64 QAM	1@1	19.26	18.88	22.08	23.19	0.2087
78	30	30	650000	3750	CP-OFDM 64 QAM	1@76	19.3	19.03	22.18	23.29	0.2132
78	30	30	650000	3750	CP-OFDM 256 QAM	39@19	16.28	16.29	19.30	20.41	0.1098
78	30	30	650000	3750	CP-OFDM 256 QAM	1@1	16.27	16.41	19.35	20.46	0.1112
78	30	30	650000	3750	CP-OFDM 256 QAM	1@76	16.26	16.46	19.37	20.48	0.1117
78	30	30	652332	3784.98	CP-OFDM QPSK	39@19	20.29	20.38	23.35	24.46	0.2790
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	20.29	20.28	23.30	24.41	0.2758
78	30	30	652332	3784.98	CP-OFDM QPSK	1@76	20.38	20.61	23.51	24.62	0.2895
78	30	30	652332	3784.98	CP-OFDM 16 QAM	39@19	19.78	19.87	22.84	23.95	0.2481
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@1	19.68	19.89	22.80	23.91	0.2458
78	30	30	652332	3784.98	CP-OFDM 16 QAM	1@76	19.78	20.12	22.96	24.07	0.2555

78	30	30	652332	3784.98	CP-OFDM 64 QAM	39@19	18.29	18.42	21.37	22.48	0.1768
78	30	30	652332	3784.98	CP-OFDM 64 QAM	1@1	17.91	18.51	21.23	22.34	0.1714
78	30	30	652332	3784.98	CP-OFDM 64 QAM	1@76	18.1	18.61	21.37	22.48	0.1771
78	30	30	652332	3784.98	CP-OFDM 256 QAM	39@19	15.45	15.4	18.44	19.55	0.0901
78	30	30	652332	3784.98	CP-OFDM 256 QAM	1@1	15.45	15.42	18.45	19.56	0.0903
78	30	30	652332	3784.98	CP-OFDM 256 QAM	1@76	15.59	15.53	18.57	19.68	0.0929
78	30	40	648000	3720	CP-OFDM QPSK	53@26	21.18	21.27	24.24	25.35	0.3424
78	30	40	648000	3720	CP-OFDM QPSK	1@1	21.29	21.28	24.30	25.41	0.3472
78	30	40	648000	3720	CP-OFDM QPSK	1@104	21.3	21.33	24.33	25.44	0.3496
78	30	40	648000	3720	CP-OFDM 16 QAM	53@26	20.71	20.75	23.74	24.85	0.3055
78	30	40	648000	3720	CP-OFDM 16 QAM	1@1	20.98	20.76	23.88	24.99	0.3156
78	30	40	648000	3720	CP-OFDM 16 QAM	1@104	20.99	20.81	23.91	25.02	0.3178
78	30	40	648000	3720	CP-OFDM 64 QAM	53@26	19.15	19.25	22.21	23.32	0.2148
78	30	40	648000	3720	CP-OFDM 64 QAM	1@1	19.31	19.19	22.26	23.37	0.2173
78	30	40	648000	3720	CP-OFDM 64 QAM	1@104	19.34	19.27	22.32	23.43	0.2201
78	30	40	648000	3720	CP-OFDM 256 QAM	53@26	16.18	16.36	19.28	20.39	0.1094
78	30	40	648000	3720	CP-OFDM 256 QAM	1@1	16.38	16.5	19.45	20.56	0.1138
78	30	40	648000	3720	CP-OFDM 256 QAM	1@104	16.32	16.63	19.49	20.60	0.1148
78	30	40	650000	3750	CP-OFDM QPSK	53@26	21.17	21.24	24.22	25.33	0.3408
78	30	40	650000	3750	CP-OFDM QPSK	1@1	21.35	21.5	24.44	25.55	0.3586
78	30	40	650000	3750	CP-OFDM QPSK	1@104	21.38	21.46	24.43	25.54	0.3581
78	30	40	650000	3750	CP-OFDM 16 QAM	53@26	20.71	20.75	23.74	24.85	0.3055
78	30	40	650000	3750	CP-OFDM 16 QAM	1@1	20.96	20.78	23.88	24.99	0.3156
78	30	40	650000	3750	CP-OFDM 16 QAM	1@104	21.02	20.79	23.92	25.03	0.3182
78	30	40	650000	3750	CP-OFDM 64 QAM	53@26	19.21	19.27	22.25	23.36	0.2168
78	30	40	650000	3750	CP-OFDM 64 QAM	1@1	19.3	19.21	22.27	23.38	0.2175
78	30	40	650000	3750	CP-OFDM 64 QAM	1@104	19.37	19.16	22.28	23.39	0.2181
78	30	40	650000	3750	CP-OFDM 256 QAM	53@26	16.29	16.36	19.34	20.45	0.1108
78	30	40	650000	3750	CP-OFDM 256 QAM	1@1	16.38	16.57	19.49	20.60	0.1147
78	30	40	650000	3750	CP-OFDM 256 QAM	1@104	16.41	16.53	19.48	20.59	0.1146
78	30	40	652000	3780	CP-OFDM QPSK	53@26	20.34	20.48	23.42	24.53	0.2838
78	30	40	652000	3780	CP-OFDM QPSK	1@1	20.37	20.43	23.41	24.52	0.2832
78	30	40	652000	3780	CP-OFDM QPSK	1@104	20.43	20.72	23.59	24.70	0.2950
78	30	40	652000	3780	CP-OFDM 16 QAM	53@26	19.79	19.98	22.90	24.01	0.2516
78	30	40	652000	3780	CP-OFDM 16 QAM	1@1	19.85	19.88	22.88	23.99	0.2503
78	30	40	652000	3780	CP-OFDM 16 QAM	1@104	19.91	20.12	23.03	24.14	0.2592

78	30	40	652000	3780	CP-OFDM 64 QAM	53@26	18.35	18.51	21.44	22.55	0.1799
78	30	40	652000	3780	CP-OFDM 64 QAM	1@1	18.01	18.56	21.30	22.41	0.1743
78	30	40	652000	3780	CP-OFDM 64 QAM	1@104	18.26	18.83	21.56	22.67	0.1851
78	30	40	652000	3780	CP-OFDM 256 QAM	53@26	15.43	15.47	18.46	19.57	0.0906
78	30	40	652000	3780	CP-OFDM 256 QAM	1@1	15.57	15.48	18.54	19.65	0.0922
78	30	40	652000	3780	CP-OFDM 256 QAM	1@104	15.65	15.71	18.69	19.80	0.0955
78	30	50	648334	3725.01	CP-OFDM QPSK	67@33	21.01	21.22	24.13	25.24	0.3339
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	20.82	21.07	23.96	25.07	0.3212
78	30	50	648334	3725.01	CP-OFDM QPSK	1@131	20.94	21.11	24.04	25.15	0.3270
78	30	50	648334	3725.01	CP-OFDM 16 QAM	67@33	20.56	20.78	23.68	24.79	0.3014
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	20.42	20.44	23.44	24.55	0.2851
78	30	50	648334	3725.01	CP-OFDM 16 QAM	1@131	20.54	20.45	23.51	24.62	0.2894
78	30	50	648334	3725.01	CP-OFDM 64 QAM	67@33	18.95	19.23	22.10	23.21	0.2095
78	30	50	648334	3725.01	CP-OFDM 64 QAM	1@1	18.9	18.85	21.89	23.00	0.1993
78	30	50	648334	3725.01	CP-OFDM 64 QAM	1@131	18.95	18.91	21.94	23.05	0.2019
78	30	50	648334	3725.01	CP-OFDM 256 QAM	67@33	15.98	16.26	19.13	20.24	0.1057
78	30	50	648334	3725.01	CP-OFDM 256 QAM	1@1	15.14	15.18	18.17	19.28	0.0847
78	30	50	648334	3725.01	CP-OFDM 256 QAM	1@131	15.37	15.22	18.31	19.42	0.0874
78	30	50	650000	3750	CP-OFDM QPSK	67@33	20.98	21.18	24.09	25.20	0.3312
78	30	50	650000	3750	CP-OFDM QPSK	1@1	20.96	21.15	24.07	25.18	0.3293
78	30	50	650000	3750	CP-OFDM QPSK	1@131	20.96	21.13	24.06	25.17	0.3286
78	30	50	650000	3750	CP-OFDM 16 QAM	67@33	20.57	20.64	23.62	24.73	0.2969
78	30	50	650000	3750	CP-OFDM 16 QAM	1@1	20.57	20.41	23.50	24.61	0.2891
78	30	50	650000	3750	CP-OFDM 16 QAM	1@131	20.62	20.47	23.56	24.67	0.2928
78	30	50	650000	3750	CP-OFDM 64 QAM	67@33	18.97	19.05	22.02	23.13	0.2056
78	30	50	650000	3750	CP-OFDM 64 QAM	1@1	19	18.81	21.92	23.03	0.2007
78	30	50	650000	3750	CP-OFDM 64 QAM	1@131	18.98	18.84	21.92	23.03	0.2009
78	30	50	650000	3750	CP-OFDM 256 QAM	67@33	15.98	16.11	19.06	20.17	0.1039
78	30	50	650000	3750	CP-OFDM 256 QAM	1@1	15.19	15.32	18.27	19.38	0.0866
78	30	50	650000	3750	CP-OFDM 256 QAM	1@131	15.36	15.07	18.23	19.34	0.0859
78	30	50	651666	3774.99	CP-OFDM QPSK	67@33	20.89	21.02	23.97	25.08	0.3218
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	20.87	20.98	23.94	25.05	0.3196
78	30	50	651666	3774.99	CP-OFDM QPSK	1@131	20.94	21.15	24.06	25.17	0.3286
78	30	50	651666	3774.99	CP-OFDM 16 QAM	67@33	20.5	20.58	23.55	24.66	0.2924
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@1	20.31	20.37	23.35	24.46	0.2793
78	30	50	651666	3774.99	CP-OFDM 16 QAM	1@131	20.35	20.52	23.45	24.56	0.2855

78	30	50	651666	3774.99	CP-OFDM 64 QAM	67@33	18.92	19.13	22.04	23.15	0.2064
78	30	50	651666	3774.99	CP-OFDM 64 QAM	1@1	18.94	18.65	21.81	22.92	0.1958
78	30	50	651666	3774.99	CP-OFDM 64 QAM	1@131	18.96	18.76	21.87	22.98	0.1987
78	30	50	651666	3774.99	CP-OFDM 256 QAM	67@33	15.94	16.25	19.11	20.22	0.1051
78	30	50	651666	3774.99	CP-OFDM 256 QAM	1@1	15.31	15.18	18.26	19.37	0.0864
78	30	50	651666	3774.99	CP-OFDM 256 QAM	1@131	15.43	15.24	18.35	19.46	0.0882
78	30	60	648668	3730.02	CP-OFDM QPSK	81@40	20.96	21.17	24.08	25.19	0.3301
78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	20.74	21	23.88	24.99	0.3157
78	30	60	648668	3730.02	CP-OFDM QPSK	1@160	20.95	21.11	24.04	25.15	0.3274
78	30	60	648668	3730.02	CP-OFDM 16 QAM	81@40	20.45	20.69	23.58	24.69	0.2946
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	20.28	20.35	23.33	24.44	0.2777
78	30	60	648668	3730.02	CP-OFDM 16 QAM	1@160	20.45	20.51	23.49	24.60	0.2884
78	30	60	648668	3730.02	CP-OFDM 64 QAM	81@40	18.97	19.21	22.10	23.21	0.2095
78	30	60	648668	3730.02	CP-OFDM 64 QAM	1@1	18.84	18.72	21.79	22.90	0.1950
78	30	60	648668	3730.02	CP-OFDM 64 QAM	1@160	19	18.91	21.97	23.08	0.2030
78	30	60	648668	3730.02	CP-OFDM 256 QAM	81@40	15.98	16.27	19.14	20.25	0.1059
78	30	60	648668	3730.02	CP-OFDM 256 QAM	1@1	15.07	15.13	18.11	19.22	0.0836
78	30	60	648668	3730.02	CP-OFDM 256 QAM	1@160	15.43	15.27	18.36	19.47	0.0885
78	30	60	650000	3750	CP-OFDM QPSK	81@40	21.02	21.04	24.04	25.15	0.3274
78	30	60	650000	3750	CP-OFDM QPSK	1@1	20.9	21.05	23.99	25.10	0.3233
78	30	60	650000	3750	CP-OFDM QPSK	1@160	21.09	21.28	24.20	25.31	0.3393
78	30	60	650000	3750	CP-OFDM 16 QAM	81@40	20.5	20.6	23.56	24.67	0.2931
78	30	60	650000	3750	CP-OFDM 16 QAM	1@1	20.18	20.35	23.28	24.39	0.2745
78	30	60	650000	3750	CP-OFDM 16 QAM	1@160	20.51	20.59	23.56	24.67	0.2931
78	30	60	650000	3750	CP-OFDM 64 QAM	81@40	19.04	18.98	22.02	23.13	0.2056
78	30	60	650000	3750	CP-OFDM 64 QAM	1@1	18.86	18.64	21.76	22.87	0.1937
78	30	60	650000	3750	CP-OFDM 64 QAM	1@160	19.15	18.82	22.00	23.11	0.2046
78	30	60	650000	3750	CP-OFDM 256 QAM	81@40	16.08	16.1	19.10	20.21	0.1050
78	30	60	650000	3750	CP-OFDM 256 QAM	1@1	15.18	15.08	18.14	19.25	0.0842
78	30	60	650000	3750	CP-OFDM 256 QAM	1@160	15.46	15.22	18.35	19.46	0.0883
78	30	60	651332	3769.98	CP-OFDM QPSK	81@40	21.04	21.08	24.07	25.18	0.3296
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	20.71	20.95	23.84	24.95	0.3127
78	30	60	651332	3769.98	CP-OFDM QPSK	1@160	21.04	21.14	24.10	25.21	0.3319
78	30	60	651332	3769.98	CP-OFDM 16 QAM	81@40	20.49	20.52	23.52	24.63	0.2901
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@1	20.26	20.26	23.27	24.38	0.2742
78	30	60	651332	3769.98	CP-OFDM 16 QAM	1@160	20.72	20.55	23.65	24.76	0.2990

78	30	60	651332	3769.98	CP-OFDM 64 QAM	81@40	18.94	19.01	21.99	23.10	0.2040
78	30	60	651332	3769.98	CP-OFDM 64 QAM	1@1	18.84	18.68	21.77	22.88	0.1941
78	30	60	651332	3769.98	CP-OFDM 64 QAM	1@160	19.12	18.98	22.06	23.17	0.2075
78	30	60	651332	3769.98	CP-OFDM 256 QAM	81@40	16.08	16.23	19.17	20.28	0.1066
78	30	60	651332	3769.98	CP-OFDM 256 QAM	1@1	15.09	14.92	18.02	19.13	0.0818
78	30	60	651332	3769.98	CP-OFDM 256 QAM	1@160	15.49	15.38	18.45	19.56	0.0903
78	30	70	649000	3735	CP-OFDM QPSK	95@47	20.96	21.11	24.05	25.16	0.3278
78	30	70	649000	3735	CP-OFDM QPSK	1@1	20.76	20.97	23.88	24.99	0.3153
78	30	70	649000	3735	CP-OFDM QPSK	1@187	20.9	21.08	24.00	25.11	0.3244
78	30	70	649000	3735	CP-OFDM 16 QAM	95@47	20.5	20.64	23.58	24.69	0.2945
78	30	70	649000	3735	CP-OFDM 16 QAM	1@1	20.39	20.29	23.35	24.46	0.2793
78	30	70	649000	3735	CP-OFDM 16 QAM	1@187	20.55	20.37	23.47	24.58	0.2872
78	30	70	649000	3735	CP-OFDM 64 QAM	95@47	18.95	19.11	22.04	23.15	0.2066
78	30	70	649000	3735	CP-OFDM 64 QAM	1@1	18.87	18.74	21.82	22.93	0.1961
78	30	70	649000	3735	CP-OFDM 64 QAM	1@187	18.93	18.75	21.85	22.96	0.1978
78	30	70	649000	3735	CP-OFDM 256 QAM	95@47	16.01	16.18	19.11	20.22	0.1051
78	30	70	649000	3735	CP-OFDM 256 QAM	1@1	14.97	14.92	17.96	19.07	0.0806
78	30	70	649000	3735	CP-OFDM 256 QAM	1@187	15.18	15.12	18.16	19.27	0.0845
78	30	70	650000	3750	CP-OFDM QPSK	95@47	21.01	20.92	23.98	25.09	0.3225
78	30	70	650000	3750	CP-OFDM QPSK	1@1	20.83	20.82	23.84	24.95	0.3123
78	30	70	650000	3750	CP-OFDM QPSK	1@187	20.97	20.95	23.97	25.08	0.3221
78	30	70	650000	3750	CP-OFDM 16 QAM	95@47	20.55	20.45	23.51	24.62	0.2898
78	30	70	650000	3750	CP-OFDM 16 QAM	1@1	20.33	20.26	23.31	24.42	0.2764
78	30	70	650000	3750	CP-OFDM 16 QAM	1@187	20.47	20.41	23.45	24.56	0.2858
78	30	70	650000	3750	CP-OFDM 64 QAM	95@47	19.03	18.96	22.01	23.12	0.2049
78	30	70	650000	3750	CP-OFDM 64 QAM	1@1	18.91	18.67	21.80	22.91	0.1955
78	30	70	650000	3750	CP-OFDM 64 QAM	1@187	19.01	18.77	21.90	23.01	0.2001
78	30	70	650000	3750	CP-OFDM 256 QAM	95@47	16.08	16.13	19.12	20.23	0.1053
78	30	70	650000	3750	CP-OFDM 256 QAM	1@1	15.07	14.52	17.81	18.92	0.0781
78	30	70	650000	3750	CP-OFDM 256 QAM	1@187	15.28	15.05	18.18	19.29	0.0849
78	30	70	651000	3765	CP-OFDM QPSK	95@47	20.93	21.09	24.02	25.13	0.3259
78	30	70	651000	3765	CP-OFDM QPSK	1@1	20.8	21.01	23.92	25.03	0.3182
78	30	70	651000	3765	CP-OFDM QPSK	1@187	20.88	21.12	24.01	25.12	0.3252
78	30	70	651000	3765	CP-OFDM 16 QAM	95@47	20.5	20.63	23.58	24.69	0.2942
78	30	70	651000	3765	CP-OFDM 16 QAM	1@1	20.43	20.39	23.42	24.53	0.2838
78	30	70	651000	3765	CP-OFDM 16 QAM	1@187	20.46	20.48	23.48	24.59	0.2878

78	30	70	651000	3765	CP-OFDM 64 QAM	95@47	18.99	19.11	22.06	23.17	0.2075
78	30	70	651000	3765	CP-OFDM 64 QAM	1@1	18.91	18.81	21.87	22.98	0.1986
78	30	70	651000	3765	CP-OFDM 64 QAM	1@187	18.94	18.88	21.92	23.03	0.2009
78	30	70	651000	3765	CP-OFDM 256 QAM	95@47	16.08	16.2	19.15	20.26	0.1062
78	30	70	651000	3765	CP-OFDM 256 QAM	1@1	15.91	16.24	19.09	20.20	0.1047
78	30	70	651000	3765	CP-OFDM 256 QAM	1@187	15.22	15.25	18.25	19.36	0.0862
78	30	80	649334	3740.01	CP-OFDM QPSK	109@54	20.9	21.12	24.02	25.13	0.3260
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	20.7	20.89	23.81	24.92	0.3102
78	30	80	649334	3740.01	CP-OFDM QPSK	1@215	20.93	21.13	24.04	25.15	0.3275
78	30	80	649334	3740.01	CP-OFDM 16 QAM	109@54	20.43	20.68	23.57	24.68	0.2936
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	20.38	20.29	23.35	24.46	0.2790
78	30	80	649334	3740.01	CP-OFDM 16 QAM	1@215	20.6	20.52	23.57	24.68	0.2938
78	30	80	649334	3740.01	CP-OFDM 64 QAM	109@54	18.94	19.14	22.05	23.16	0.2071
78	30	80	649334	3740.01	CP-OFDM 64 QAM	1@1	18.84	18.65	21.76	22.87	0.1935
78	30	80	649334	3740.01	CP-OFDM 64 QAM	1@215	18.96	18.86	21.92	23.03	0.2009
78	30	80	649334	3740.01	CP-OFDM 256 QAM	109@54	16.02	16.23	19.14	20.25	0.1058
78	30	80	649334	3740.01	CP-OFDM 256 QAM	1@1	15.01	15.09	18.06	19.17	0.0826
78	30	80	649334	3740.01	CP-OFDM 256 QAM	1@215	15.25	15.27	18.27	19.38	0.0867
78	30	80	650000	3750	CP-OFDM QPSK	109@54	20.98	21.04	24.02	25.13	0.3259
78	30	80	650000	3750	CP-OFDM QPSK	1@1	20.74	20.94	23.85	24.96	0.3134
78	30	80	650000	3750	CP-OFDM QPSK	1@215	20.92	21.09	24.02	25.13	0.3255
78	30	80	650000	3750	CP-OFDM 16 QAM	109@54	20.5	20.5	23.51	24.62	0.2898
78	30	80	650000	3750	CP-OFDM 16 QAM	1@1	20.37	20.32	23.36	24.47	0.2796
78	30	80	650000	3750	CP-OFDM 16 QAM	1@215	20.57	20.55	23.57	24.68	0.2938
78	30	80	650000	3750	CP-OFDM 64 QAM	109@54	19.02	18.99	22.02	23.13	0.2054
78	30	80	650000	3750	CP-OFDM 64 QAM	1@1	18.82	18.66	21.75	22.86	0.1932
78	30	80	650000	3750	CP-OFDM 64 QAM	1@215	18.97	18.83	21.91	23.02	0.2005
78	30	80	650000	3750	CP-OFDM 256 QAM	109@54	16.02	16.11	19.08	20.19	0.1044
78	30	80	650000	3750	CP-OFDM 256 QAM	1@1	15.85	16.07	18.97	20.08	0.1019
78	30	80	650000	3750	CP-OFDM 256 QAM	1@215	15.41	15.08	18.26	19.37	0.0865
78	30	80	650666	3759.99	CP-OFDM QPSK	109@54	20.9	21.11	24.02	25.13	0.3256
78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	20.71	20.99	23.86	24.97	0.3142
78	30	80	650666	3759.99	CP-OFDM QPSK	1@215	20.91	21.12	24.03	25.14	0.3263
78	30	80	650666	3759.99	CP-OFDM 16 QAM	109@54	20.41	20.65	23.54	24.65	0.2919
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@1	20.26	20.44	23.36	24.47	0.2800
78	30	80	650666	3759.99	CP-OFDM 16 QAM	1@215	20.38	20.56	23.48	24.59	0.2878

78	30	80	650666	3759.99	CP-OFDM 64 QAM	109@54	18.95	19.15	22.06	23.17	0.2076
78	30	80	650666	3759.99	CP-OFDM 64 QAM	1@1	18.86	18.81	21.85	22.96	0.1975
78	30	80	650666	3759.99	CP-OFDM 64 QAM	1@215	18.95	18.95	21.96	23.07	0.2028
78	30	80	650666	3759.99	CP-OFDM 256 QAM	109@54	15.96	16.27	19.13	20.24	0.1056
78	30	80	650666	3759.99	CP-OFDM 256 QAM	1@1	15.87	16.11	19.00	20.11	0.1026
78	30	80	650666	3759.99	CP-OFDM 256 QAM	1@215	15.76	16.47	19.14	20.25	0.1059
78	30	90	649668	3745.02	CP-OFDM QPSK	123@61	20.93	21.07	24.01	25.12	0.3252
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	20.82	20.93	23.89	25.00	0.3159
78	30	90	649668	3745.02	CP-OFDM QPSK	1@243	21.04	21.19	24.13	25.24	0.3339
78	30	90	649668	3745.02	CP-OFDM 16 QAM	123@61	20.44	20.58	23.52	24.63	0.2905
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	20.43	20.27	23.36	24.47	0.2800
78	30	90	649668	3745.02	CP-OFDM 16 QAM	1@243	20.76	20.76	23.77	24.88	0.3076
78	30	90	649668	3745.02	CP-OFDM 64 QAM	123@61	18.93	19.06	22.01	23.12	0.2049
78	30	90	649668	3745.02	CP-OFDM 64 QAM	1@1	18.82	18.73	21.79	22.90	0.1948
78	30	90	649668	3745.02	CP-OFDM 64 QAM	1@243	19.03	19.03	22.04	23.15	0.2066
78	30	90	649668	3745.02	CP-OFDM 256 QAM	123@61	15.94	16.15	19.06	20.17	0.1039
78	30	90	649668	3745.02	CP-OFDM 256 QAM	1@1	15.89	15.58	18.75	19.86	0.0968
78	30	90	649668	3745.02	CP-OFDM 256 QAM	1@243	15.98	16.42	19.22	20.33	0.1078
78	30	90	650000	3750	CP-OFDM QPSK	123@61	20.89	21	23.96	25.07	0.3210
78	30	90	650000	3750	CP-OFDM QPSK	1@1	20.81	20.93	23.88	24.99	0.3156
78	30	90	650000	3750	CP-OFDM QPSK	1@243	21.02	21.08	24.06	25.17	0.3289
78	30	90	650000	3750	CP-OFDM 16 QAM	123@61	20.39	20.56	23.49	24.60	0.2881
78	30	90	650000	3750	CP-OFDM 16 QAM	1@1	20.37	20.33	23.36	24.47	0.2799
78	30	90	650000	3750	CP-OFDM 16 QAM	1@243	20.65	20.46	23.57	24.68	0.2935
78	30	90	650000	3750	CP-OFDM 64 QAM	123@61	18.9	19.05	21.99	23.10	0.2040
78	30	90	650000	3750	CP-OFDM 64 QAM	1@1	18.78	18.73	21.77	22.88	0.1939
78	30	90	650000	3750	CP-OFDM 64 QAM	1@243	19.03	19.01	22.03	23.14	0.2061
78	30	90	650000	3750	CP-OFDM 256 QAM	123@61	16.04	16.12	19.09	20.20	0.1047
78	30	90	650000	3750	CP-OFDM 256 QAM	1@1	15.85	16.09	18.98	20.09	0.1021
78	30	90	650000	3750	CP-OFDM 256 QAM	1@243	15.92	16.39	19.17	20.28	0.1067
78	30	90	650332	3750	CP-OFDM QPSK	123@61	19.96	20.26	23.12	24.23	0.2650
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	20.69	20.99	23.85	24.96	0.3135
78	30	90	650332	3754.98	CP-OFDM QPSK	1@243	20.9	21.19	24.06	25.17	0.3287
78	30	90	650332	3754.98	CP-OFDM 16 QAM	123@61	20.42	20.6	23.52	24.63	0.2905
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@1	20.29	20.39	23.35	24.46	0.2793
78	30	90	650332	3754.98	CP-OFDM 16 QAM	1@243	20.57	20.55	23.57	24.68	0.2938

78	30	90	650332	3754.98	CP-OFDM 64 QAM	123@61	18.96	19.1	22.04	23.15	0.2066
78	30	90	650332	3754.98	CP-OFDM 64 QAM	1@1	18.83	18.67	21.76	22.87	0.1937
78	30	90	650332	3754.98	CP-OFDM 64 QAM	1@243	18.9	18.89	21.91	23.02	0.2002
78	30	90	650332	3754.98	CP-OFDM 256 QAM	123@61	15.97	16.16	19.08	20.19	0.1044
78	30	90	650332	3754.98	CP-OFDM 256 QAM	1@1	14.94	16.41	18.75	19.86	0.0968
78	30	90	650332	3754.98	CP-OFDM 256 QAM	1@243	15.48	15.22	18.36	19.47	0.0886
78	30	100	650000	3754.98	CP-OFDM QPSK	137@68	19.39	19.56	22.49	23.60	0.2289
78	30	100	650000	3750	CP-OFDM QPSK	1@1	20.67	20.84	23.77	24.88	0.3073
78	30	100	650000	3750	CP-OFDM QPSK	1@271	21.05	21.21	24.14	25.25	0.3350
78	30	100	650000	3750	CP-OFDM 16 QAM	137@68	20.45	20.56	23.52	24.63	0.2901
78	30	100	650000	3750	CP-OFDM 16 QAM	1@1	20.36	20.23	23.31	24.42	0.2764
78	30	100	650000	3750	CP-OFDM 16 QAM	1@271	20.72	20.49	23.62	24.73	0.2969
78	30	100	650000	3750	CP-OFDM 64 QAM	137@68	18.93	19.06	22.01	23.12	0.2049
78	30	100	650000	3750	CP-OFDM 64 QAM	1@1	18.77	18.63	21.71	22.82	0.1915
78	30	100	650000	3750	CP-OFDM 64 QAM	1@271	19.06	18.96	22.02	23.13	0.2056
78	30	100	650000	3750	CP-OFDM 256 QAM	137@68	16.05	16.18	19.13	20.24	0.1056
78	30	100	650000	3750	CP-OFDM 256 QAM	1@1	15.9	16.03	18.98	20.09	0.1020
78	30	100	650000	3750	CP-OFDM 256 QAM	1@271	15.97	16.48	19.24	20.35	0.1085

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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	-0.26041	PASS	NV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.00815	PASS	LV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.00873	PASS	HV
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.00892	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	-0.00673	PASS	-10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.00217	PASS	0°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.00293	PASS	10°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.00835	PASS	20°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.00591	PASS	30°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.00729	PASS	40°C
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	-0.00707	PASS	50°C

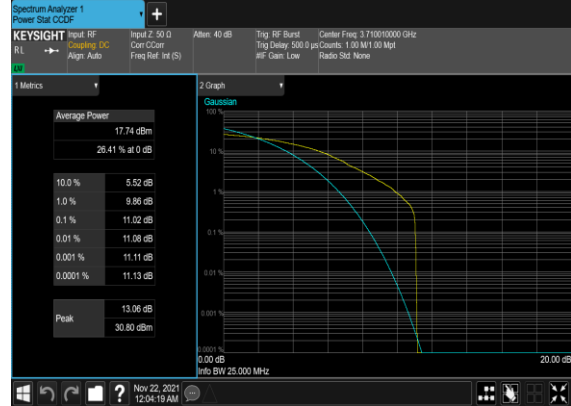
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	647334	3710.01	CP-OFDM QPSK	51@0	10.92	13	PASS
78	30	20	647334	3710.01	CP-OFDM QPSK	1@0	11.02	13	PASS
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	9.73	13	PASS
78	30	20	650000	3750.0	CP-OFDM QPSK	1@0	10.7	13	PASS
78	30	20	652666	3789.99	CP-OFDM QPSK	51@0	10.13	13	PASS
78	30	20	652666	3789.99	CP-OFDM QPSK	1@0	11.13	13	PASS

N78(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

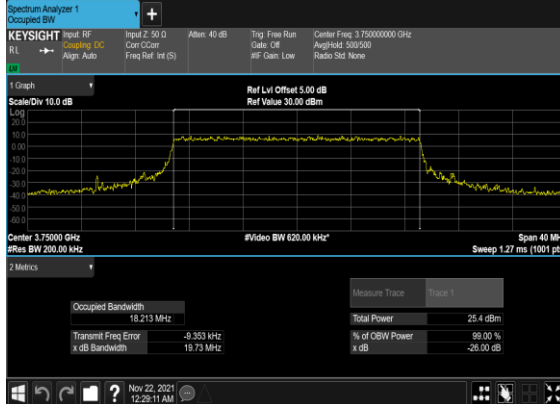


Occupied Bandwidth

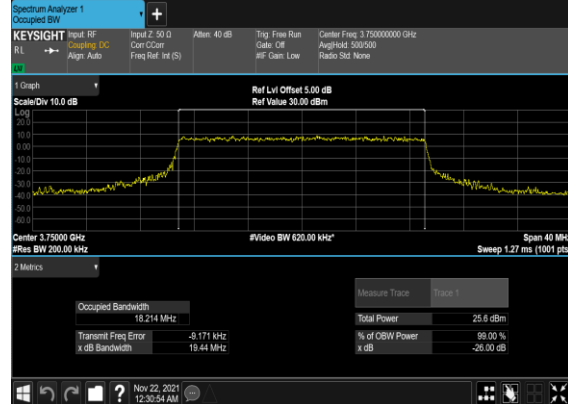
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	18.213	19.73
78	30	20	650000	3750.0	CP-OFDM 16 QAM	51@0	18.214	19.44
78	30	20	650000	3750.0	CP-OFDM 64 QAM	51@0	18.187	19.68
78	30	20	650000	3750.0	CP-OFDM 256 QAM	51@0	18.187	19.32
78	30	30	650000	3750.0	CP-OFDM QPSK	78@0	27.841	29.66
78	30	30	650000	3750.0	CP-OFDM 16 QAM	78@0	27.854	29.23
78	30	30	650000	3750.0	CP-OFDM 64 QAM	78@0	27.842	29.3
78	30	30	650000	3750.0	CP-OFDM 256 QAM	78@0	27.831	29.55
78	30	40	650000	3750.0	CP-OFDM QPSK	106@0	37.871	39.69
78	30	40	650000	3750.0	CP-OFDM 16 QAM	106@0	37.844	39.89
78	30	40	650000	3750.0	CP-OFDM 64 QAM	106@0	37.893	39.53
78	30	40	650000	3750.0	CP-OFDM 256 QAM	106@0	37.906	39.68
78	30	50	650000	3750.0	CP-OFDM QPSK	133@0	47.492	49.45
78	30	50	650000	3750.0	CP-OFDM 16 QAM	133@0	47.479	49.56
78	30	50	650000	3750.0	CP-OFDM 64 QAM	133@0	47.321	49.74
78	30	50	650000	3750.0	CP-OFDM 256 QAM	133@0	47.393	49.56
78	30	60	650000	3750.0	CP-OFDM QPSK	162@0	57.719	59.87
78	30	60	650000	3750.0	CP-OFDM 16 QAM	162@0	57.792	59.99
78	30	60	650000	3750.0	CP-OFDM 64 QAM	162@0	57.744	59.73
78	30	60	650000	3750.0	CP-OFDM 256 QAM	162@0	57.782	59.84
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.536	69.8
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.749	69.93
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.456	69.66
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.438	69.56
78	30	80	650000	3750.0	CP-OFDM QPSK	217@0	77.468	79.93

78	30	80	650000	3750.0	CP-OFDM 16 QAM	217@0	77.462	80.34
78	30	80	650000	3750.0	CP-OFDM 64 QAM	217@0	77.513	80.35
78	30	80	650000	3750.0	CP-OFDM 256 QAM	217@0	77.502	80.2
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.364	90.34
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.607	90.29
78	30	90	650000	3750.0	CP-OFDM 64 QAM	245@0	87.488	90.43
78	30	90	650000	3750.0	CP-OFDM 256 QAM	245@0	87.721	90.32
78	30	100	650000	3750.0	CP-OFDM QPSK	273@0	97.477	100.8
78	30	100	650000	3750.0	CP-OFDM 16 QAM	273@0	97.456	100.9
78	30	100	650000	3750.0	CP-OFDM 64 QAM	273@0	97.486	100.7
78	30	100	650000	3750.0	CP-OFDM 256 QAM	273@0	97.574	100.8

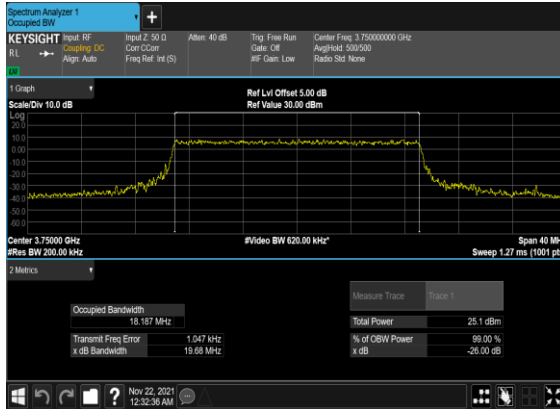
N78(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



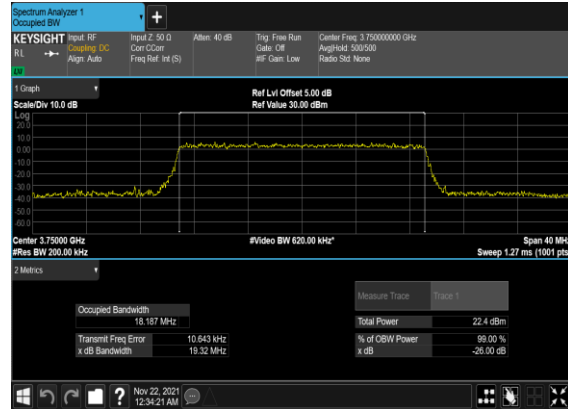
N78(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



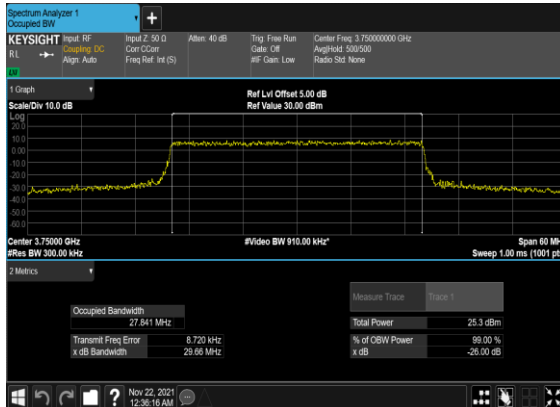
N78(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



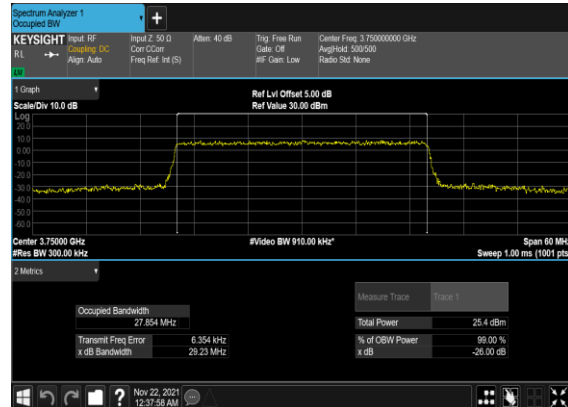
N78(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



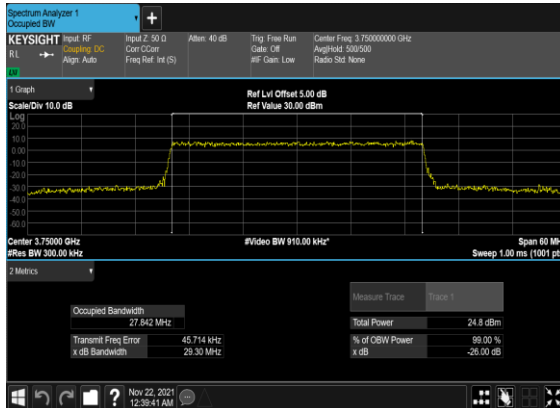
N78(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



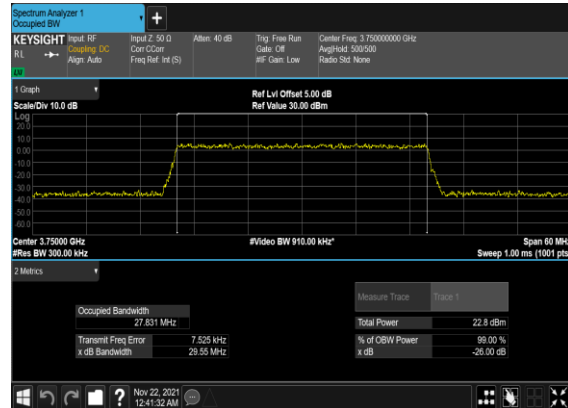
N78(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



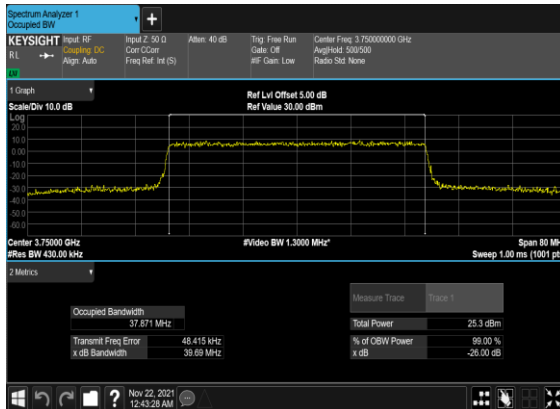
N78(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



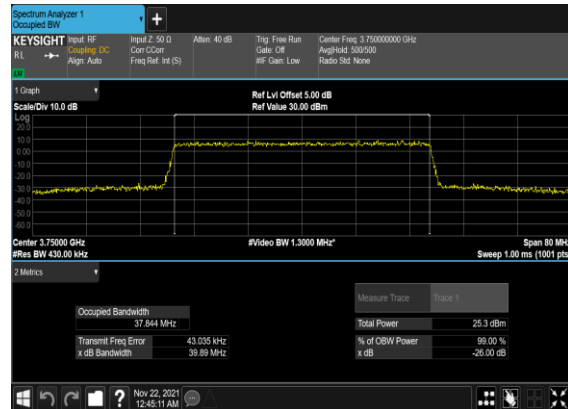
N78(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



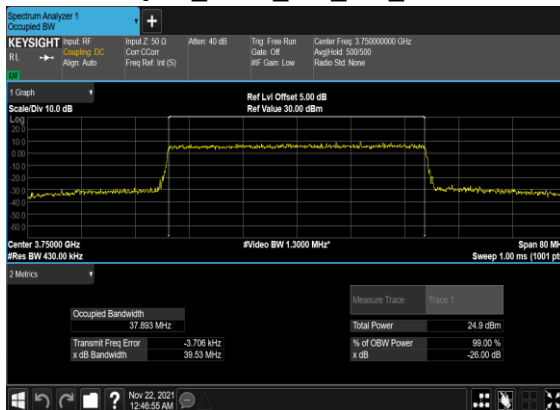
N78(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



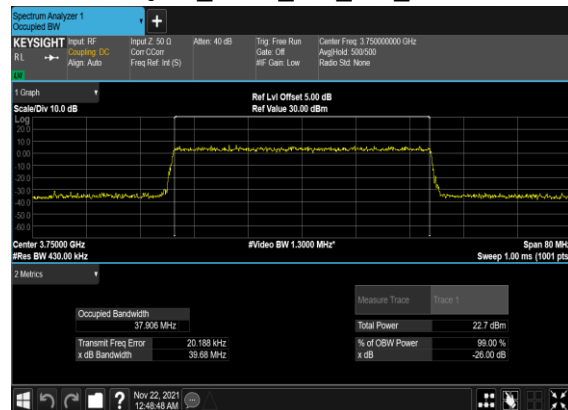
N78(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



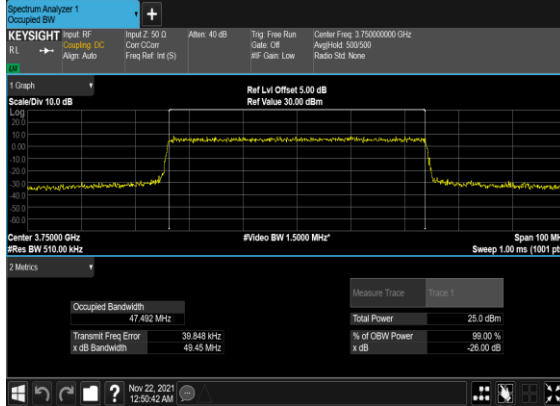
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QAM_Outer_Full_Mid_CH



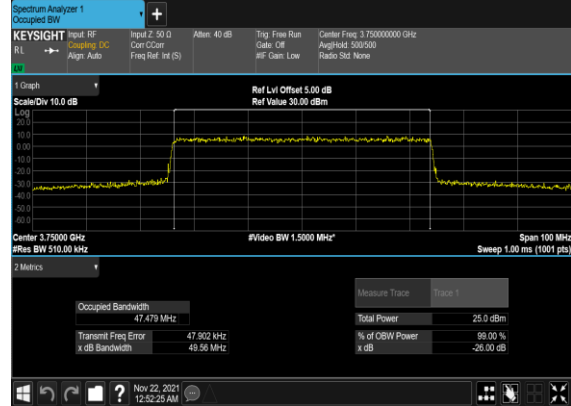
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QAM_Outer_Full_Mid_CH



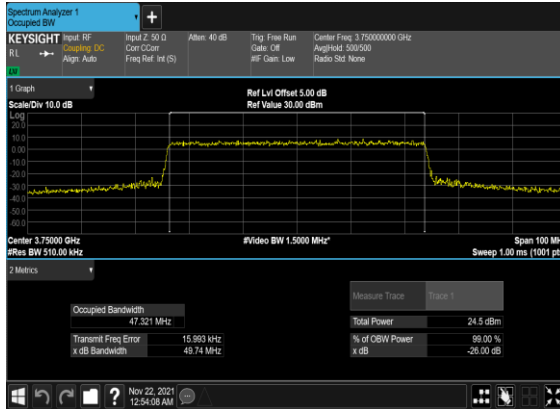
N78(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



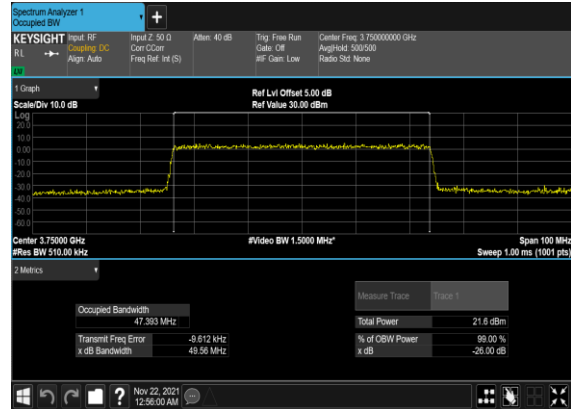
N78(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



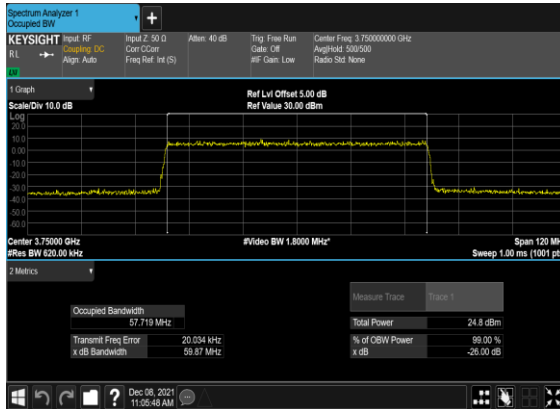
N78(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



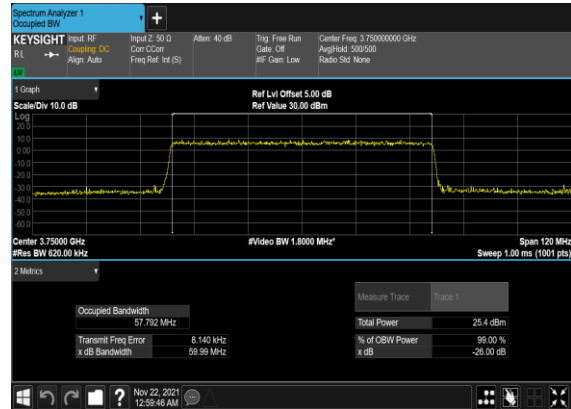
N78(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



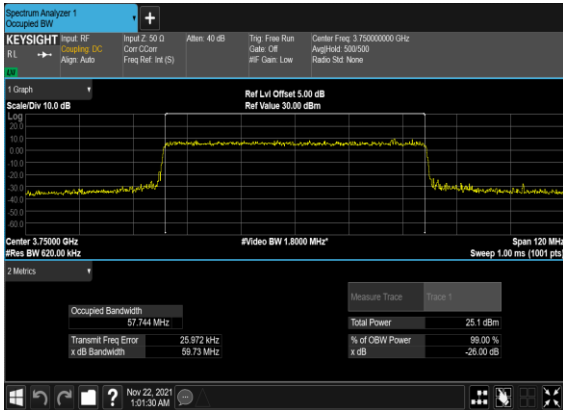
N78(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



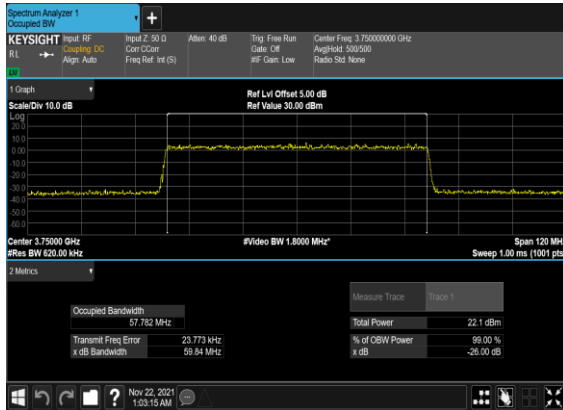
N78(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



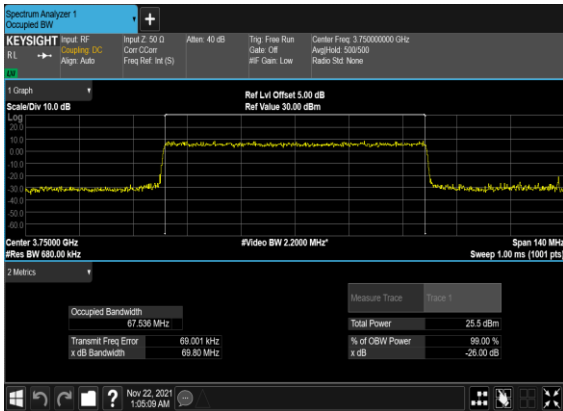
N78(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



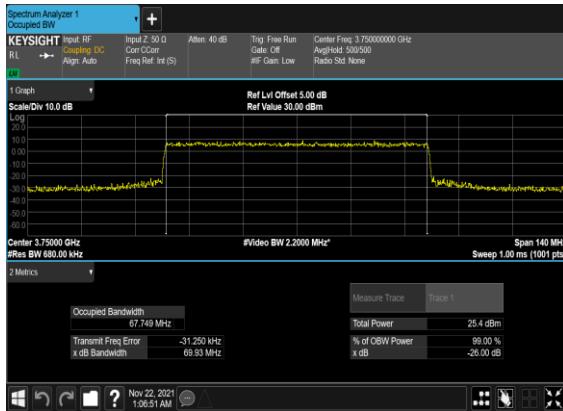
N78(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



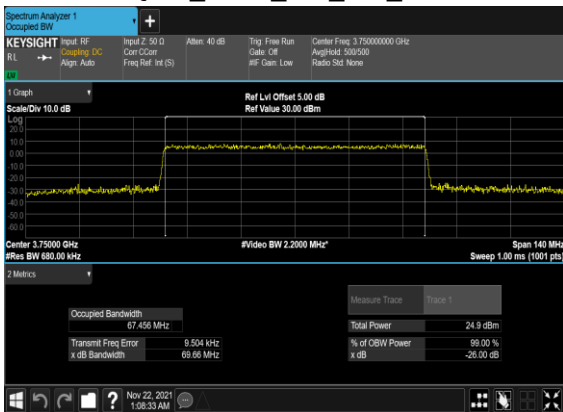
N78(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



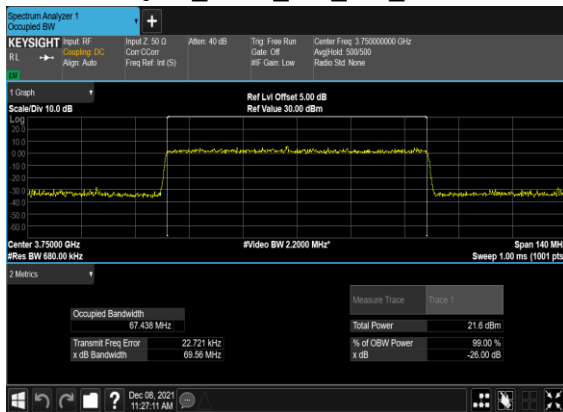
N78(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



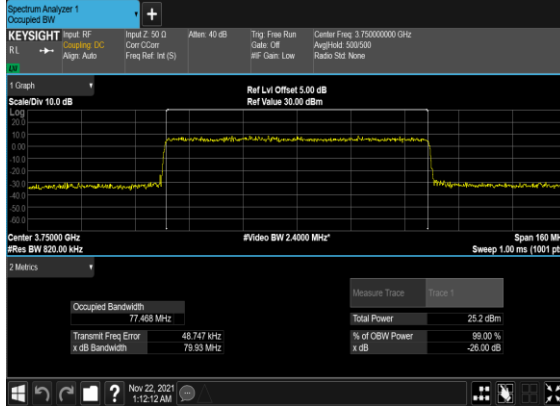
N78(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



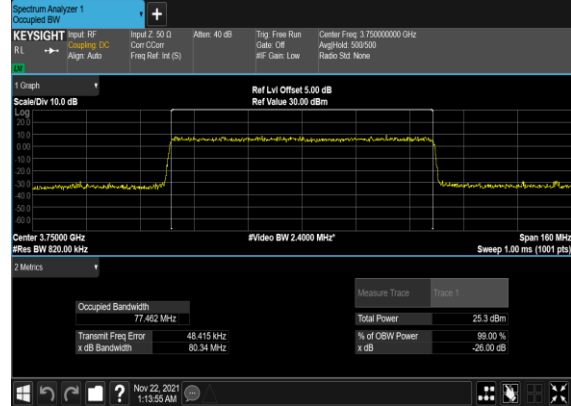
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QAM_Outer_Full_Mid_CH



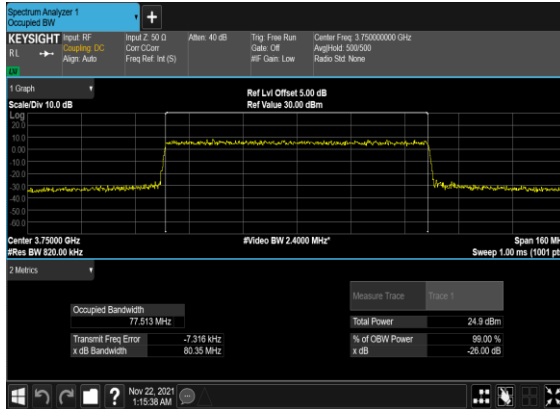
N78(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



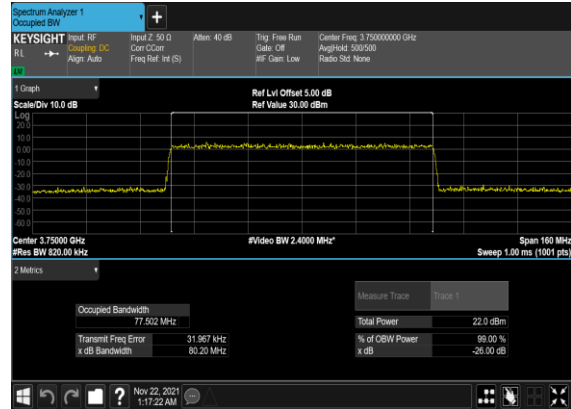
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QAM_Outer_Full_Mid_CH



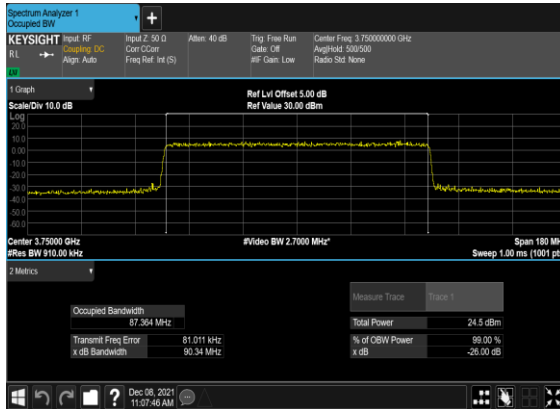
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QAM_Outer_Full_Mid_CH



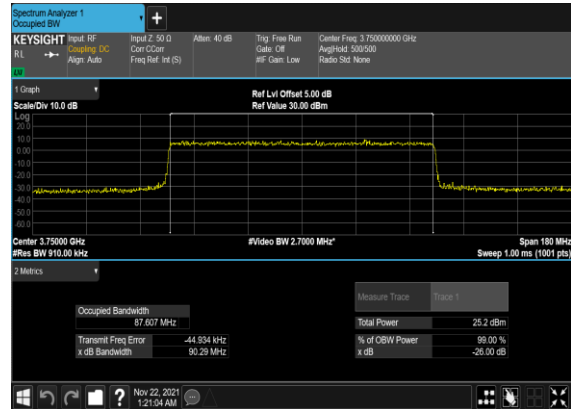
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QAM_Outer_Full_Mid_CH



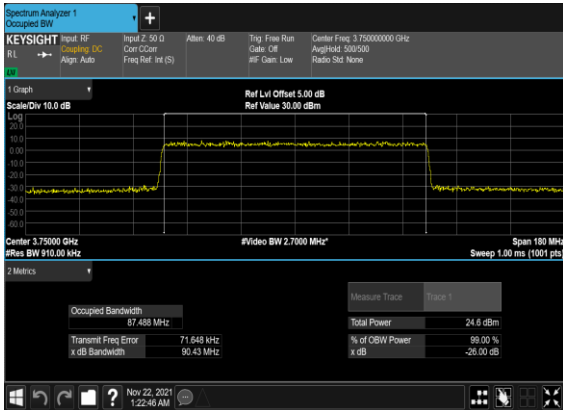
N78(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



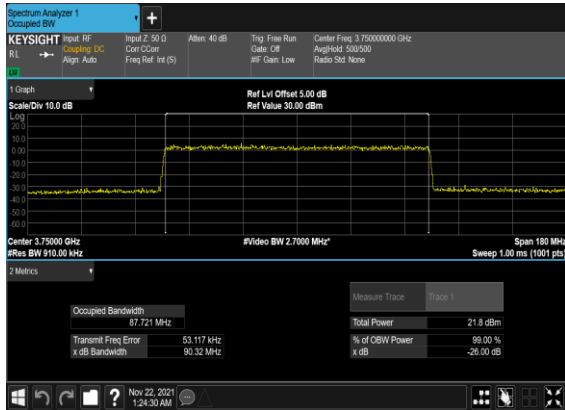
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QAM_Outer_Full_Mid_CH



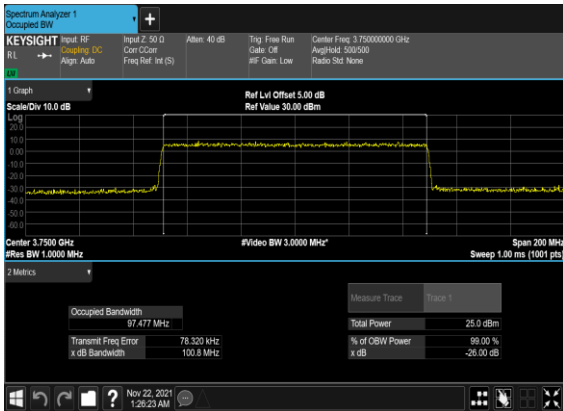
N78(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



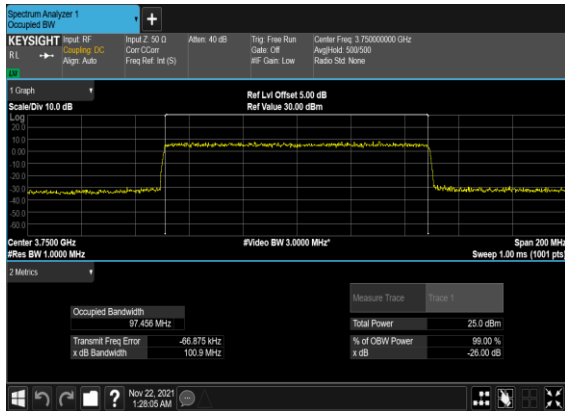
N78(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



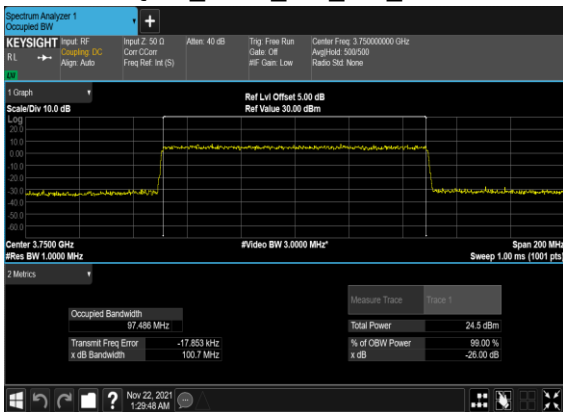
N78(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



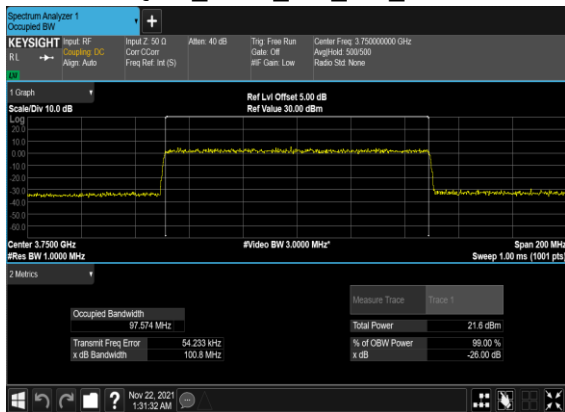
N78(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N78(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



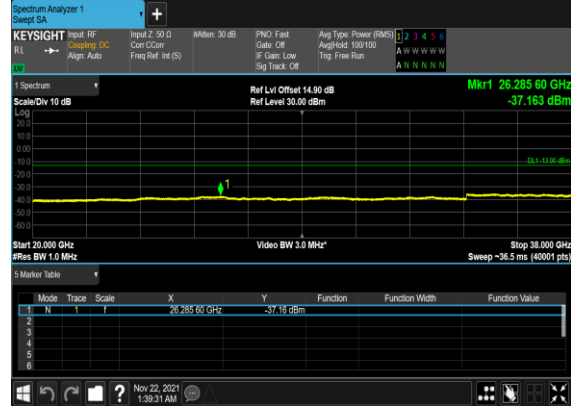
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	---
78	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---
78	30	20	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	CP-OFDM QPSK	1@0	see graph	---
78	30	20	652666	3789.99	CP-OFDM QPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	CP-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	---
78	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---
78	30	60	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	CP-OFDM QPSK	1@0	see graph	---
78	30	60	651332	3769.98	CP-OFDM QPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	CP-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---
78	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS

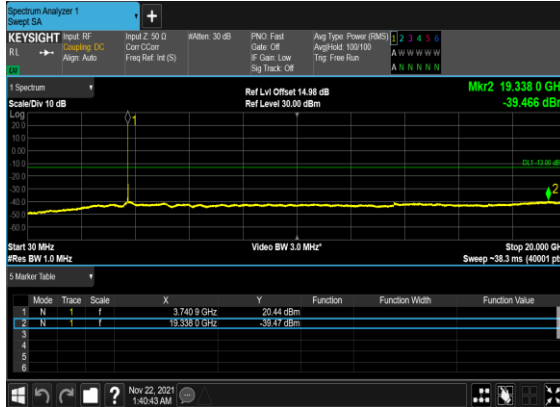
N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



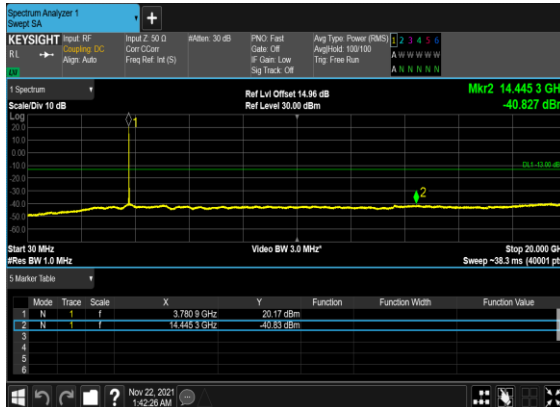
N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



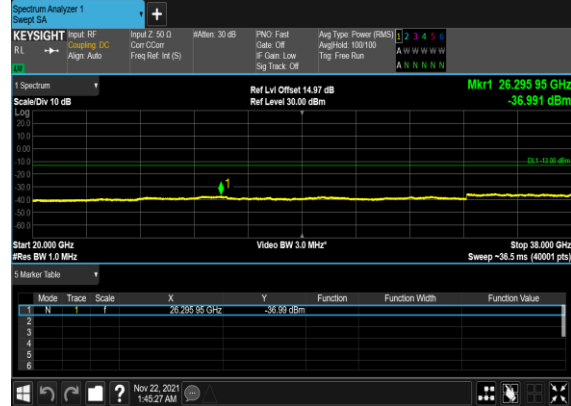
N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



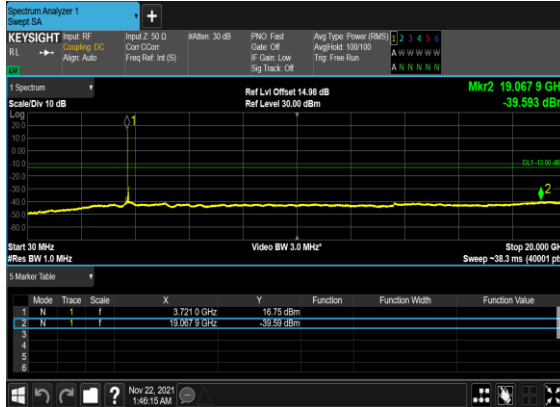
N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



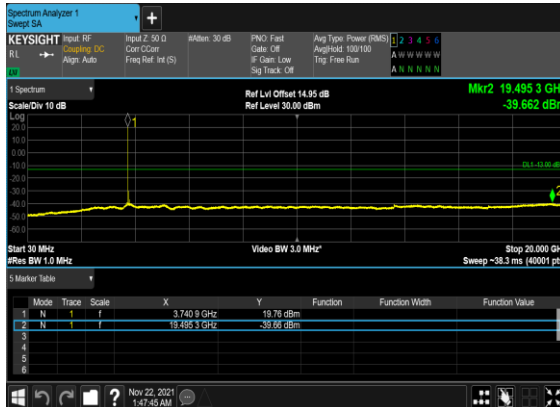
N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



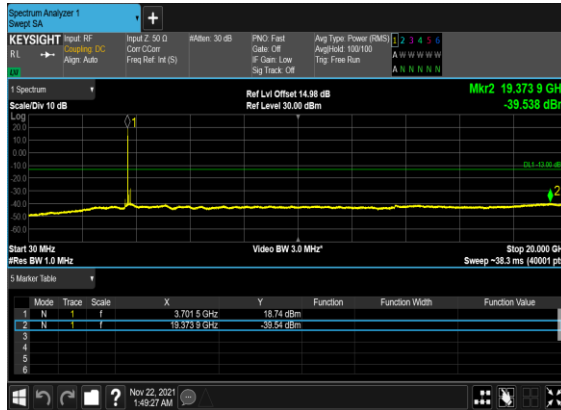
N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



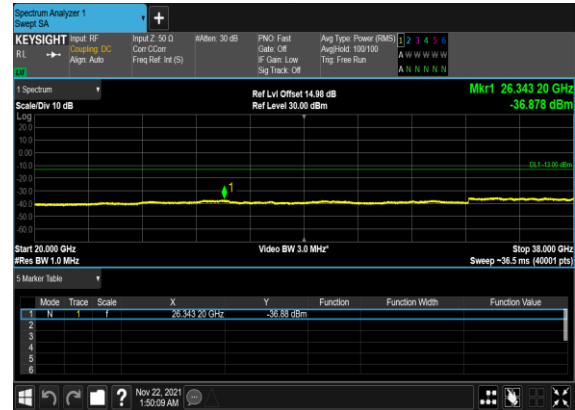
N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



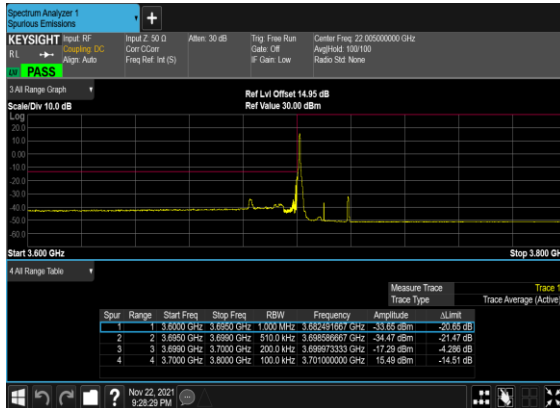
N78(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



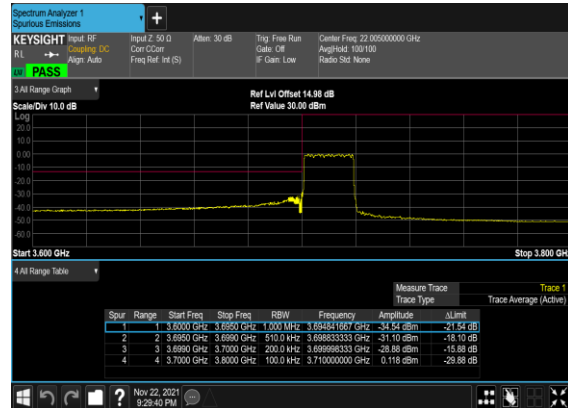
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	CP-OFDM QPSK	51@0	see graph	PASS
78	30	20	652666	3789.99	CP-OFDM QPSK	1@50	see graph	PASS
78	30	20	652666	3789.99	CP-OFDM QPSK	51@0	see graph	PASS
78	30	60	648668	3730.02	CP-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	CP-OFDM QPSK	162@0	see graph	PASS
78	30	60	651332	3769.98	CP-OFDM QPSK	1@161	see graph	PASS
78	30	60	651332	3769.98	CP-OFDM QPSK	162@0	see graph	PASS
78	30	100	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	CP-OFDM QPSK	1@272	see graph	PASS
78	30	100	650000	3750.0	CP-OFDM QPSK	273@0	see graph	PASS

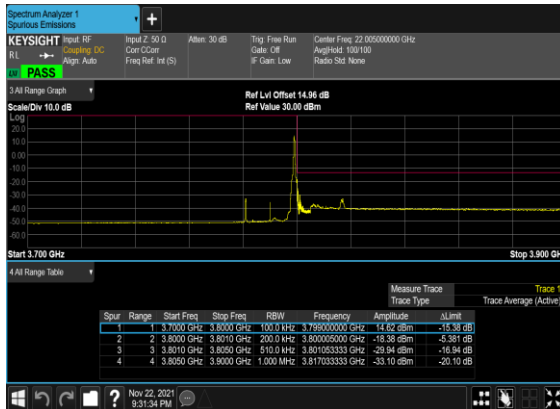
N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



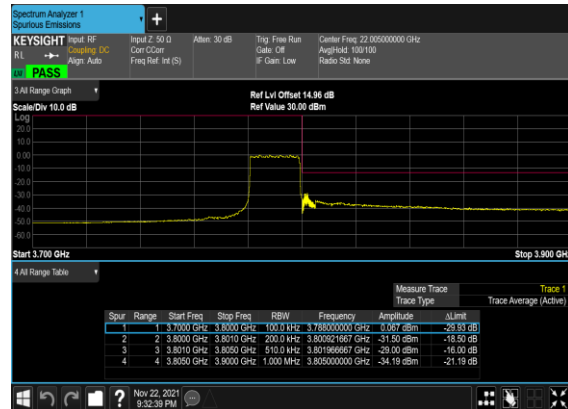
N78(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



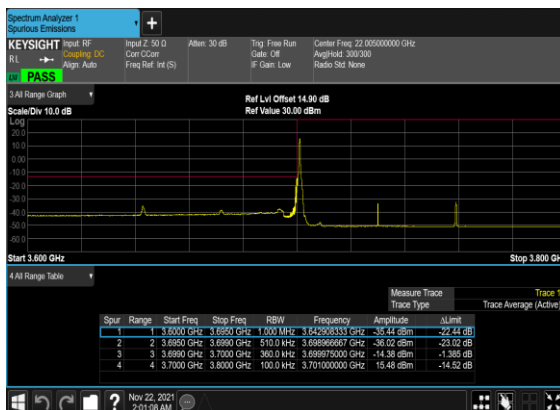
N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



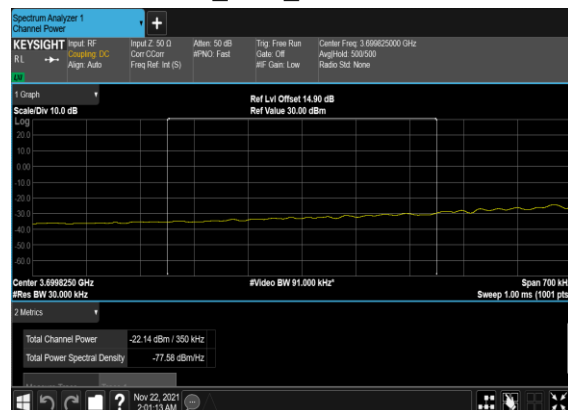
N78(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



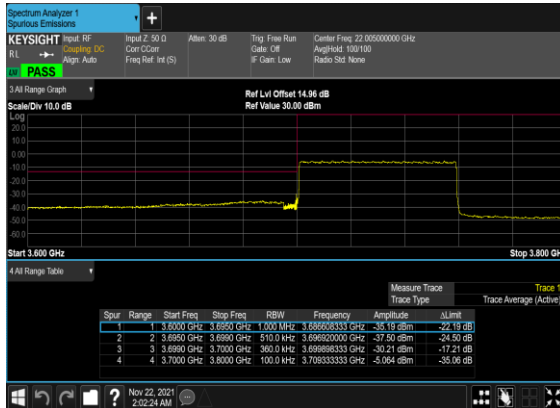
N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



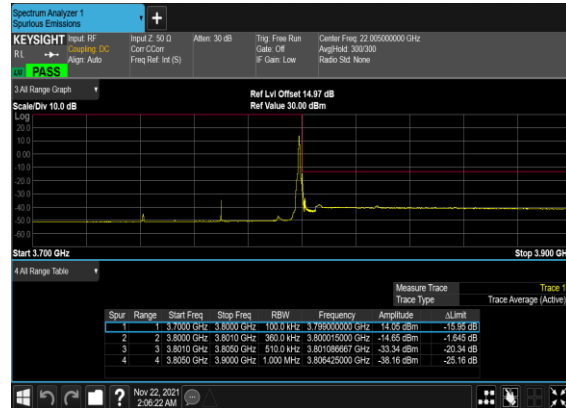
N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH
_CHP_PASS



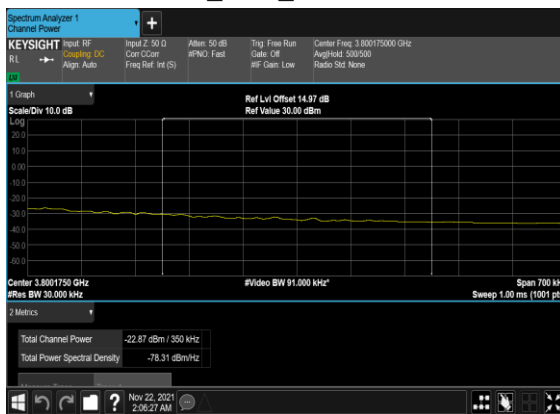
N78(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



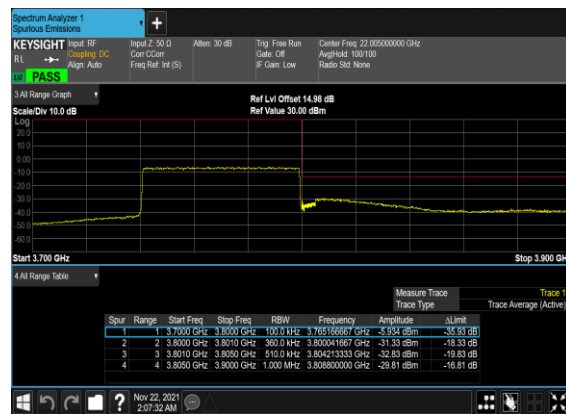
N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



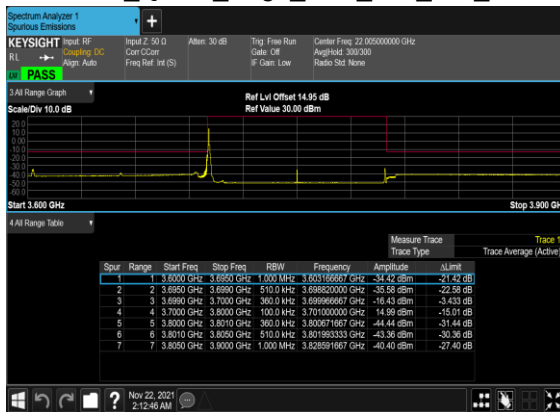
N78(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH
_CHP_PASS



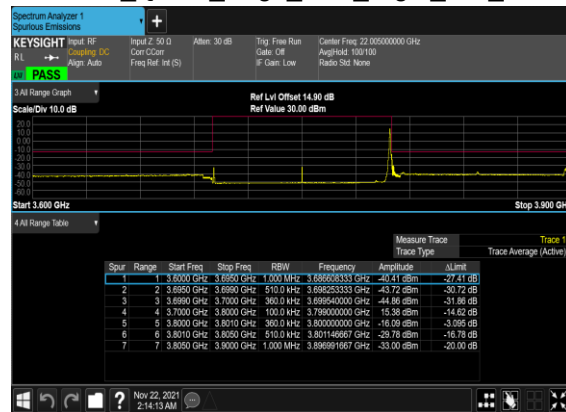
N78(60M)_CP-
OFDM_QPSK_Outer_Full_High_CH



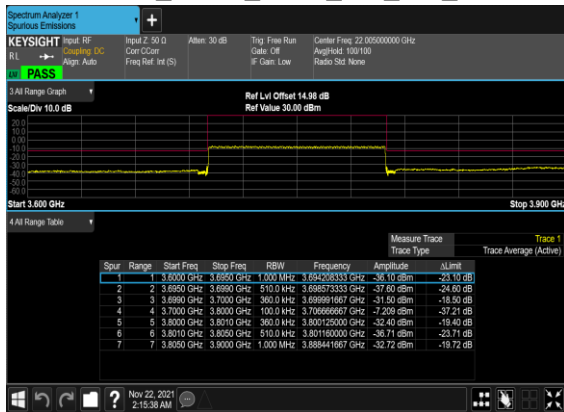
N78(100M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(100M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



N78(100M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78 MIMO-ANT11

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00363	PASS	NV
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00386	PASS	LV
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00531	PASS	HV
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00428	PASS	-30°C
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00675	PASS	-20°C
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00626	PASS	-10°C
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00455	PASS	0°C
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00306	PASS	10°C
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00513	PASS	20°C
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.0036	PASS	30°C
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.0043	PASS	40°C
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	-0.00357	PASS	50°C

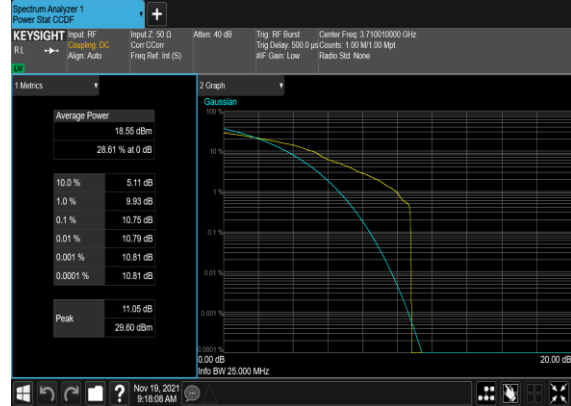
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	647334	3710.01	CP-OFDM QPSK	51@0	10.14	13	PASS
78	30	20	647334	3710.01	CP-OFDM QPSK	1@0	10.75	13	PASS
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	10.25	13	PASS
78	30	20	650000	3750.0	CP-OFDM QPSK	1@0	11.16	13	PASS
78	30	20	652666	3789.99	CP-OFDM QPSK	51@0	10.27	13	PASS
78	30	20	652666	3789.99	CP-OFDM QPSK	1@0	11.1	13	PASS

N78(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



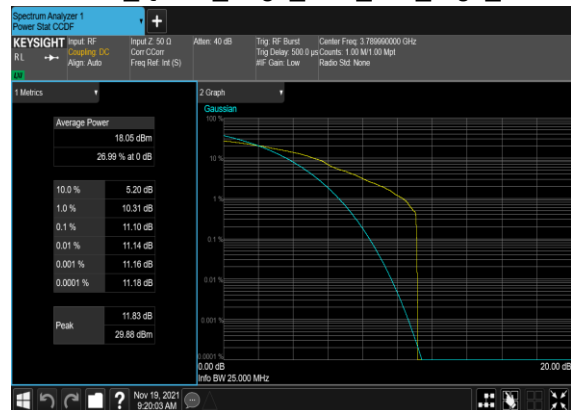
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OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N78(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	18.197	19.64
78	30	20	650000	3750.0	CP-OFDM 16 QAM	51@0	18.223	19.65
78	30	20	650000	3750.0	CP-OFDM 64 QAM	51@0	18.238	19.77
78	30	20	650000	3750.0	CP-OFDM 256 QAM	51@0	18.201	19.62
78	30	30	650000	3750.0	CP-OFDM QPSK	78@0	27.835	29.29
78	30	30	650000	3750.0	CP-OFDM 16 QAM	78@0	27.847	29.57
78	30	30	650000	3750.0	CP-OFDM 64 QAM	78@0	27.828	29.64
78	30	30	650000	3750.0	CP-OFDM 256 QAM	78@0	27.898	29.15
78	30	40	650000	3750.0	CP-OFDM QPSK	106@0	37.77	39.83
78	30	40	650000	3750.0	CP-OFDM 16 QAM	106@0	37.875	39.84
78	30	40	650000	3750.0	CP-OFDM 64 QAM	106@0	37.812	39.91
78	30	40	650000	3750.0	CP-OFDM 256 QAM	106@0	37.822	39.79
78	30	50	650000	3750.0	CP-OFDM QPSK	133@0	47.415	49.63
78	30	50	650000	3750.0	CP-OFDM 16 QAM	133@0	47.479	49.28
78	30	50	650000	3750.0	CP-OFDM 64 QAM	133@0	47.428	49.53
78	30	50	650000	3750.0	CP-OFDM 256 QAM	133@0	47.466	49.09
78	30	60	650000	3750.0	CP-OFDM QPSK	162@0	57.773	59.88
78	30	60	650000	3750.0	CP-OFDM 16 QAM	162@0	57.705	60.33
78	30	60	650000	3750.0	CP-OFDM 64 QAM	162@0	57.795	60.18
78	30	60	650000	3750.0	CP-OFDM 256 QAM	162@0	57.893	60.1
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.439	69.79
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.411	69.8
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.46	69.77
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.483	69.81
78	30	80	650000	3750.0	CP-OFDM QPSK	217@0	77.366	80.19

78	30	80	650000	3750.0	CP-OFDM 16 QAM	217@0	77.434	80.19
78	30	80	650000	3750.0	CP-OFDM 64 QAM	217@0	77.273	79.96
78	30	80	650000	3750.0	CP-OFDM 256 QAM	217@0	77.529	80.03
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.451	90.4
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.452	90.36
78	30	90	650000	3750.0	CP-OFDM 64 QAM	245@0	87.391	90.59
78	30	90	650000	3750.0	CP-OFDM 256 QAM	245@0	87.438	90.43
78	30	100	650000	3750.0	CP-OFDM QPSK	273@0	97.469	100.7
78	30	100	650000	3750.0	CP-OFDM 16 QAM	273@0	97.562	100.6
78	30	100	650000	3750.0	CP-OFDM 64 QAM	273@0	97.638	100.6
78	30	100	650000	3750.0	CP-OFDM 256 QAM	273@0	97.28	100.6

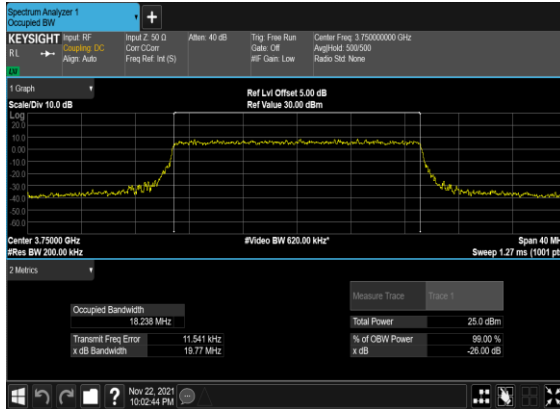
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OFDM_QPSK_Outer_Full_Mid_CH



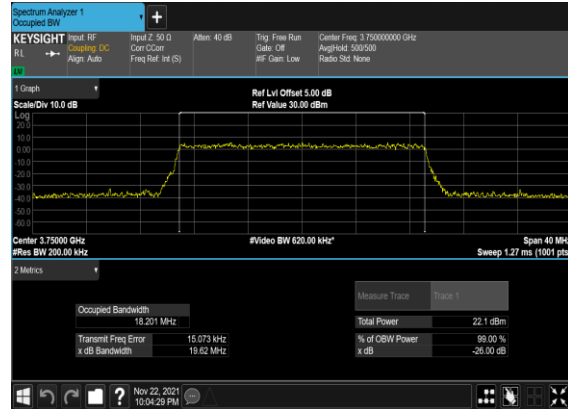
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QAM_Outer_Full_Mid_CH



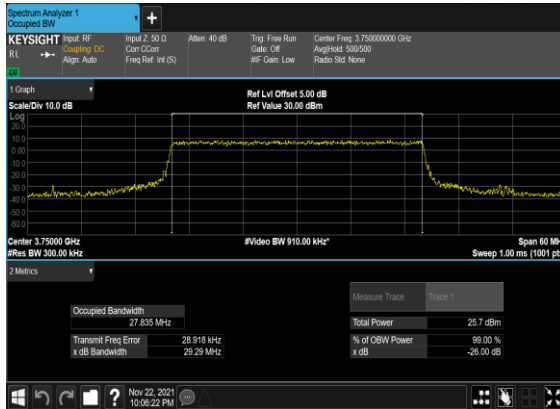
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QAM_Outer_Full_Mid_CH



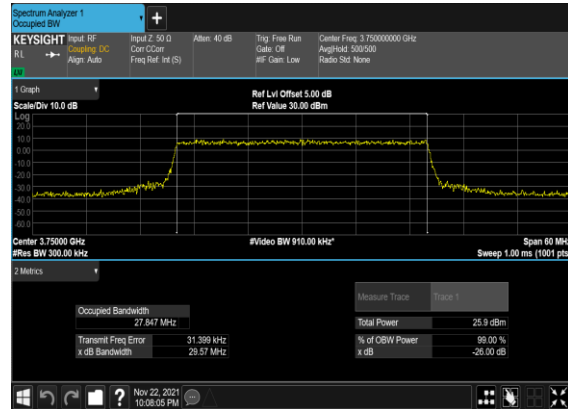
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QAM_Outer_Full_Mid_CH



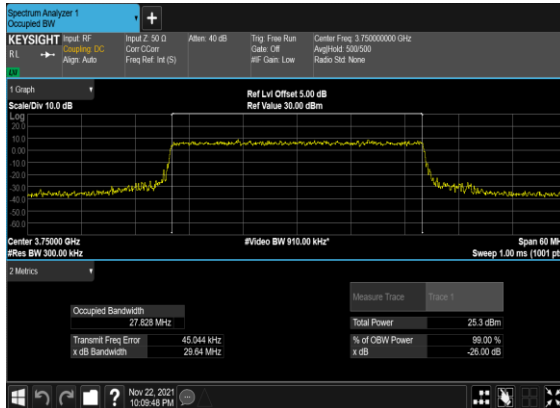
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OFDM_QPSK_Outer_Full_Mid_CH



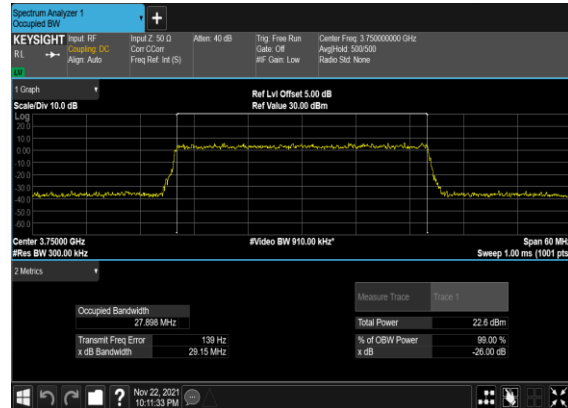
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QAM_Outer_Full_Mid_CH



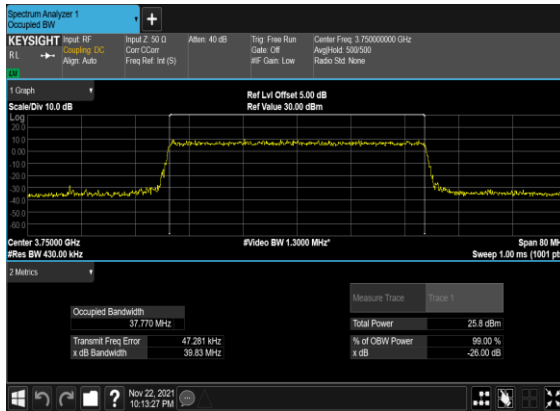
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QAM_Outer_Full_Mid_CH



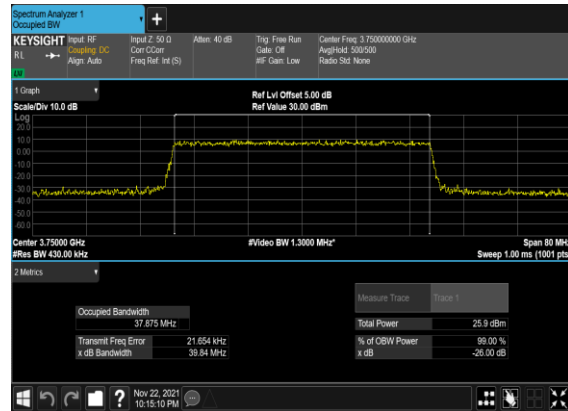
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QAM_Outer_Full_Mid_CH



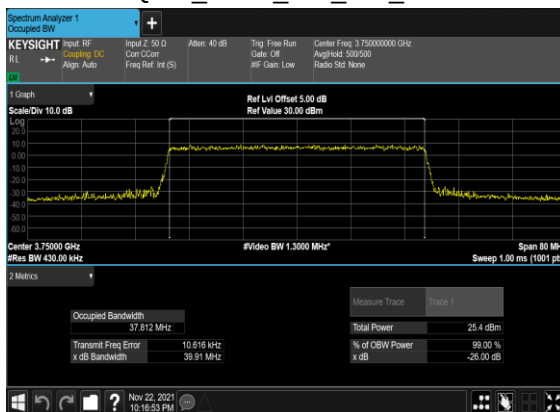
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OFDM_QPSK_Outer_Full_Mid_CH



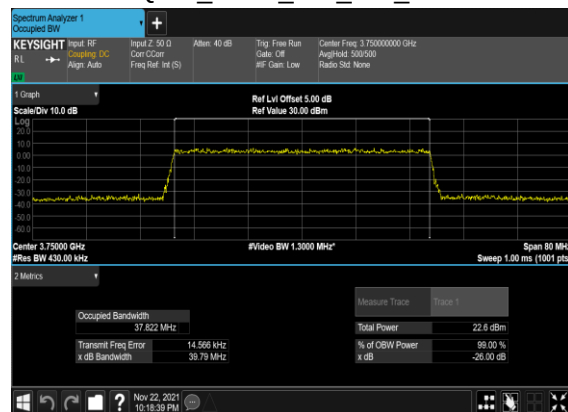
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QAM_Outer_Full_Mid_CH



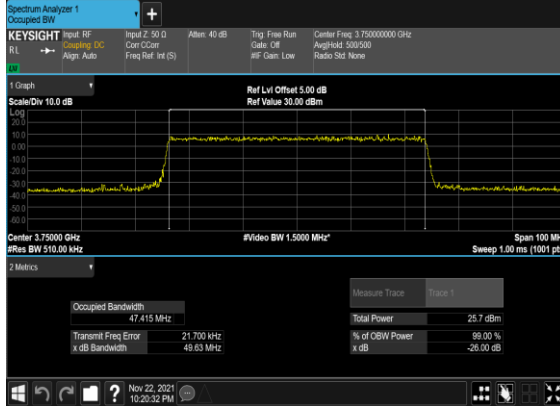
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QAM_Outer_Full_Mid_CH



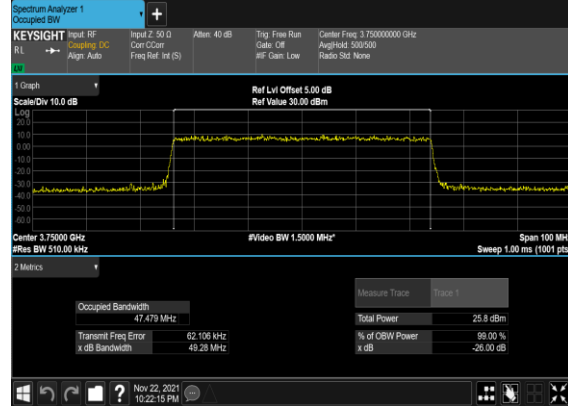
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QAM_Outer_Full_Mid_CH



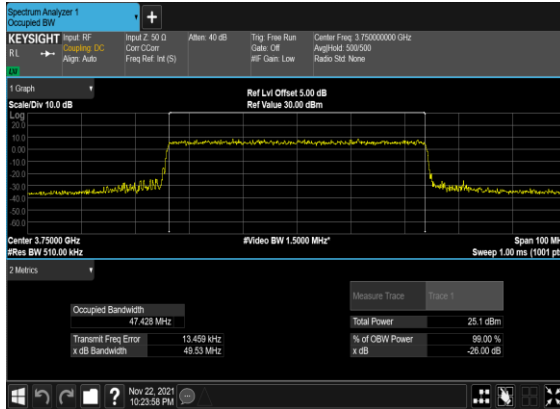
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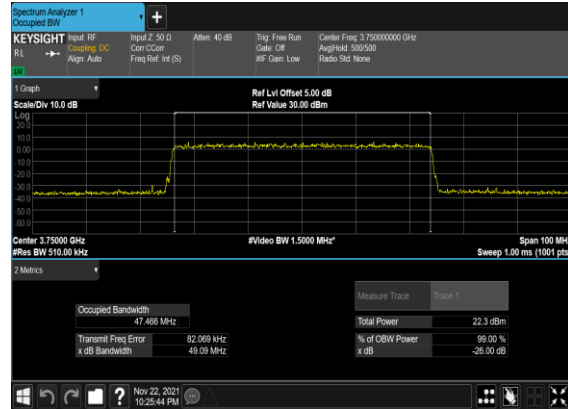
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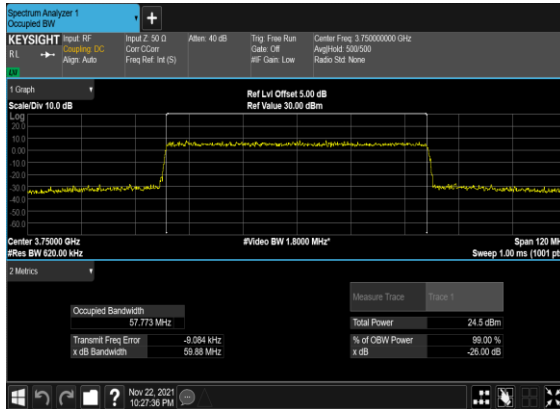
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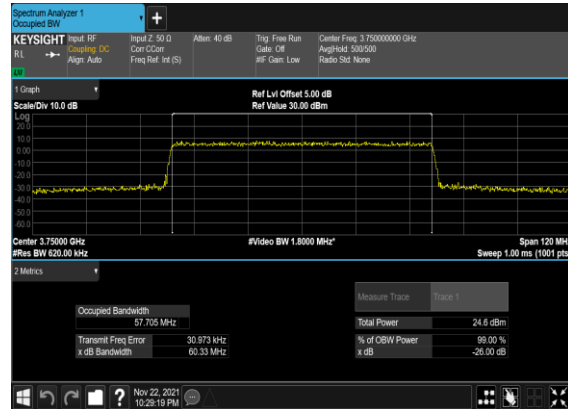
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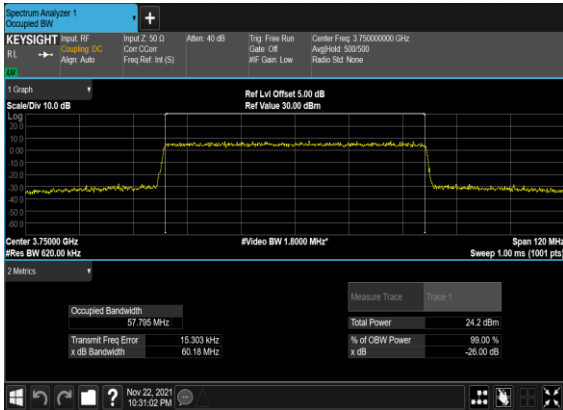
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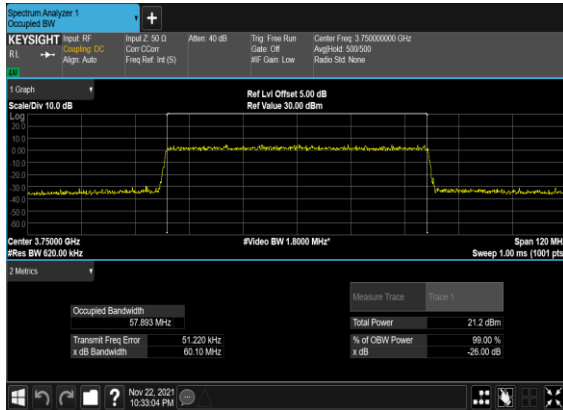
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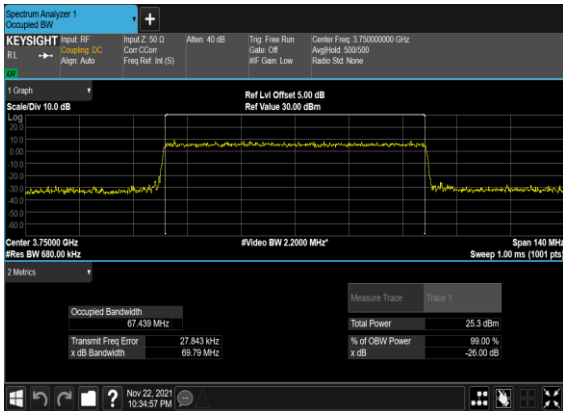
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QAM_Outer_Full_Mid_CH



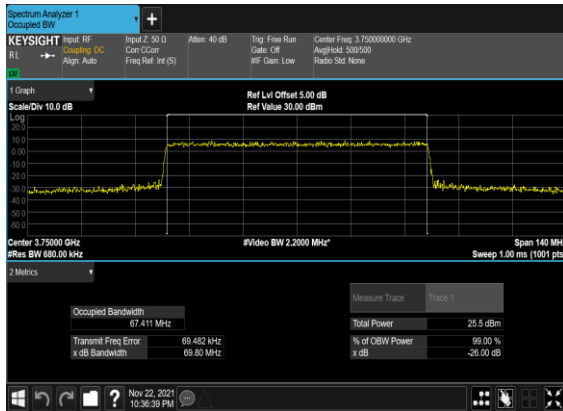
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QAM_Outer_Full_Mid_CH



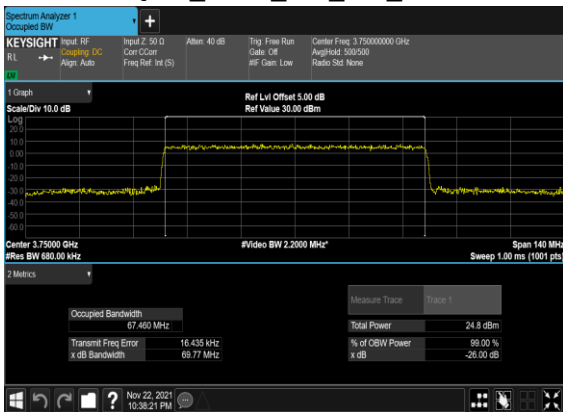
N78(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

