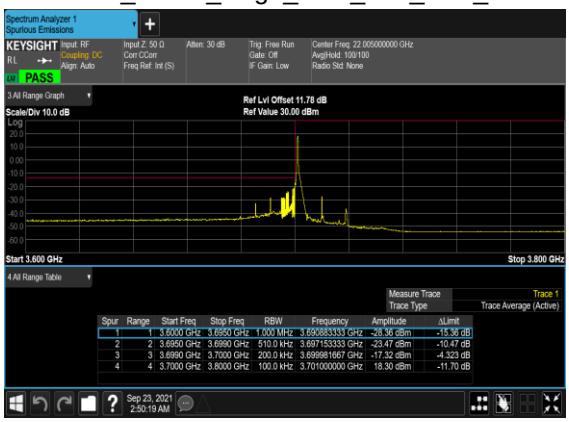
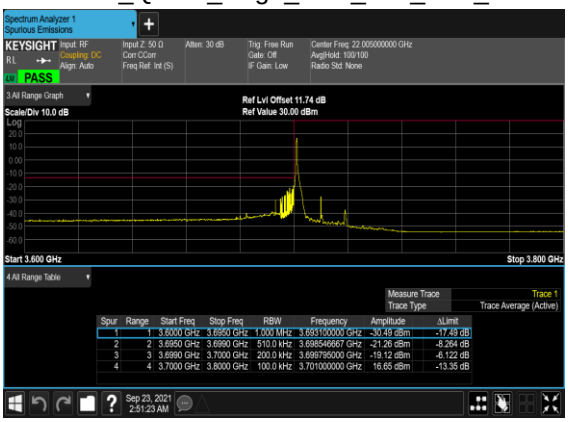
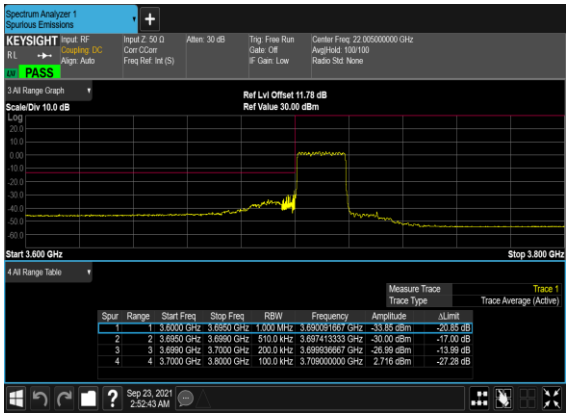
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



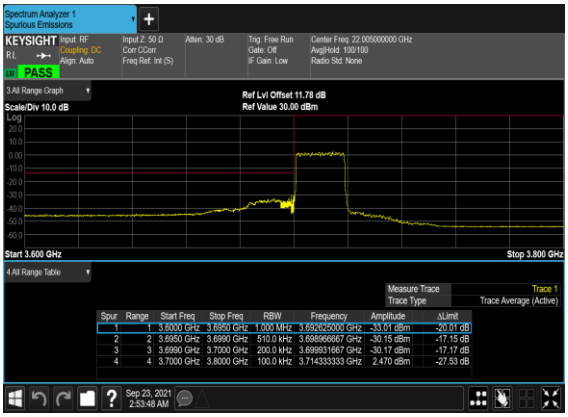
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



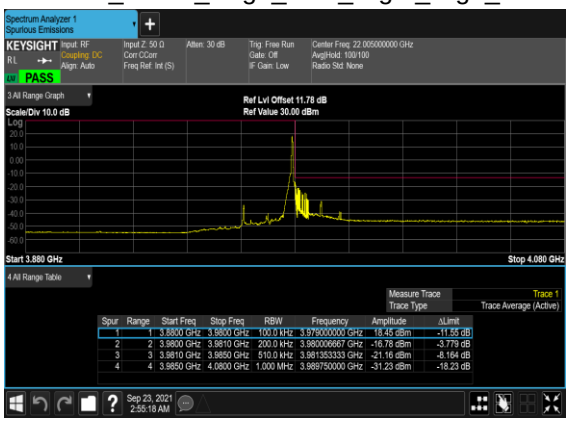
N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



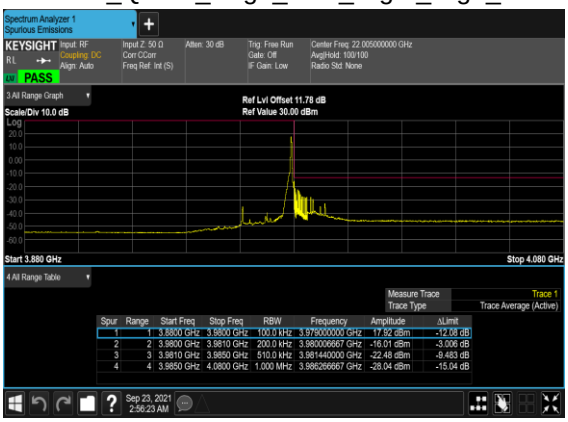
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



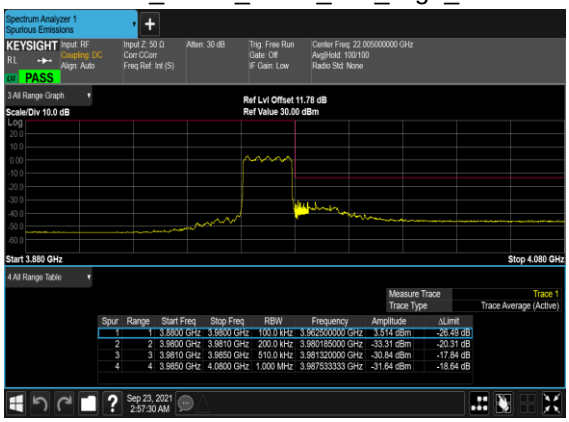
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



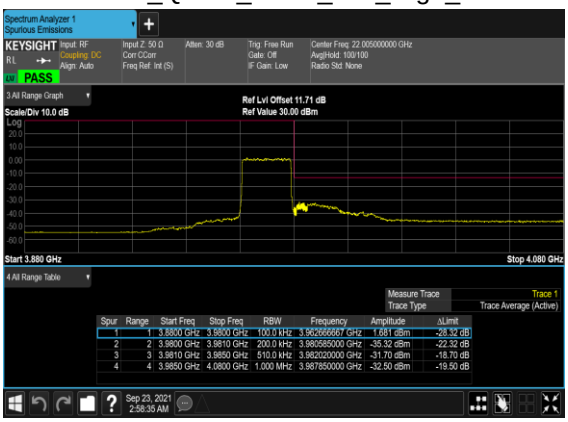
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

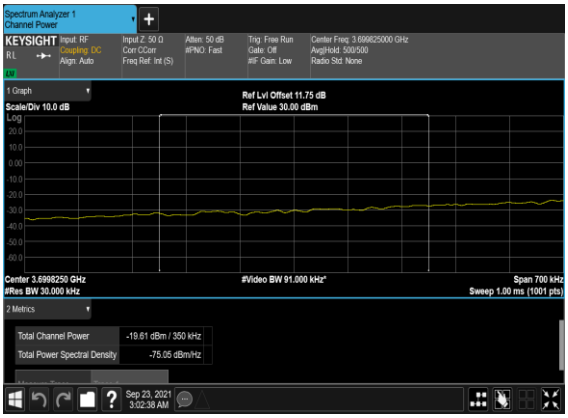


N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

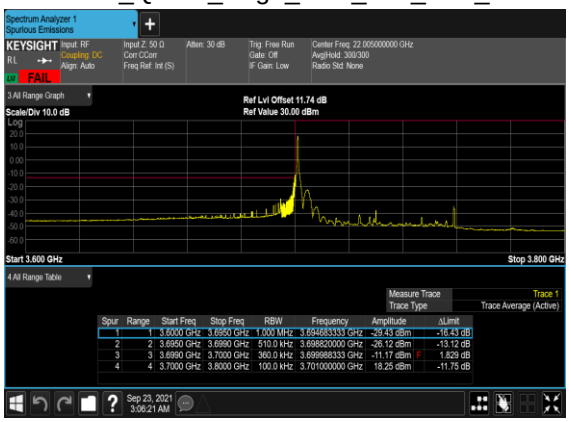


N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

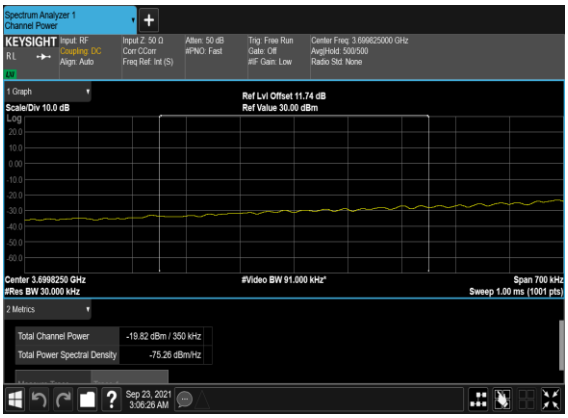
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP**_**PASS**



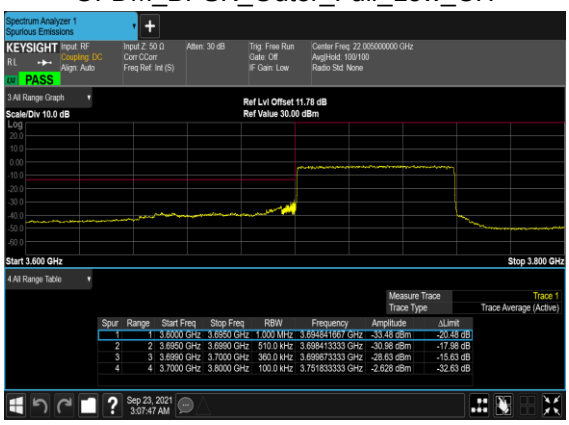
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



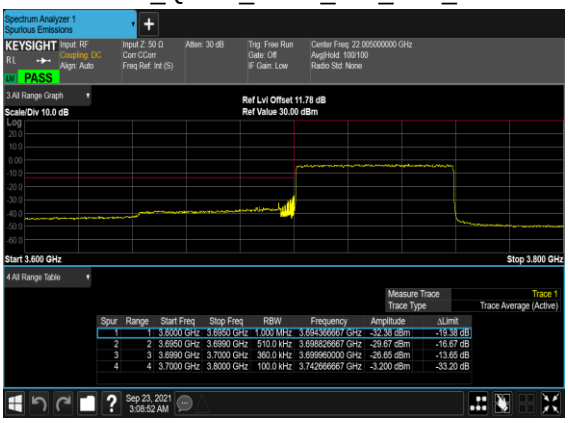
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP**_**PASS**



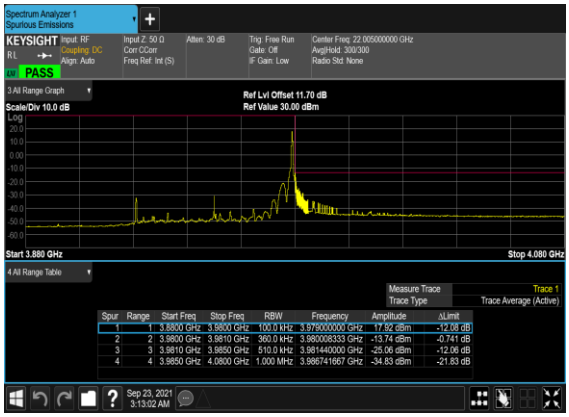
N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



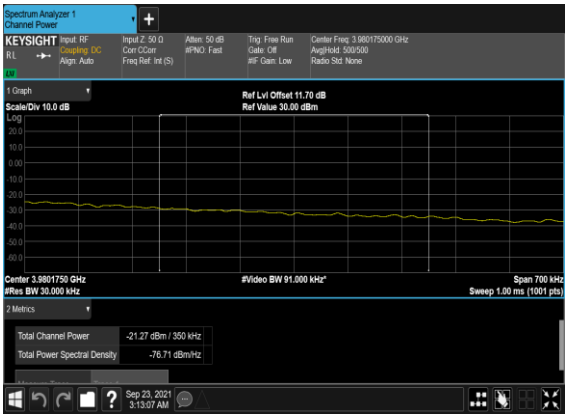
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



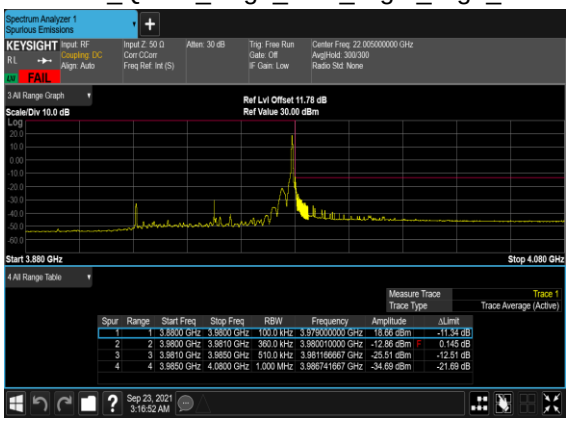
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



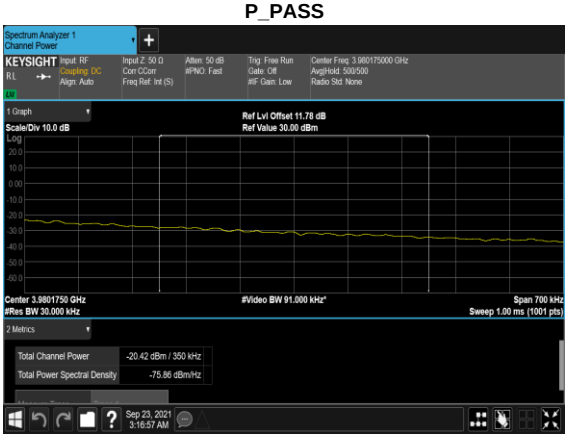
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CH P_PASS**



N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

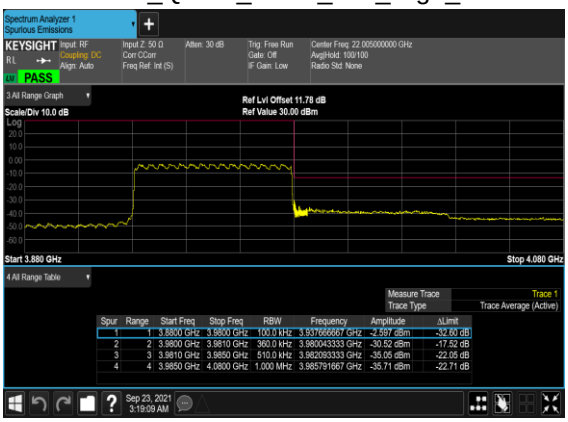


N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CH P_PASS**

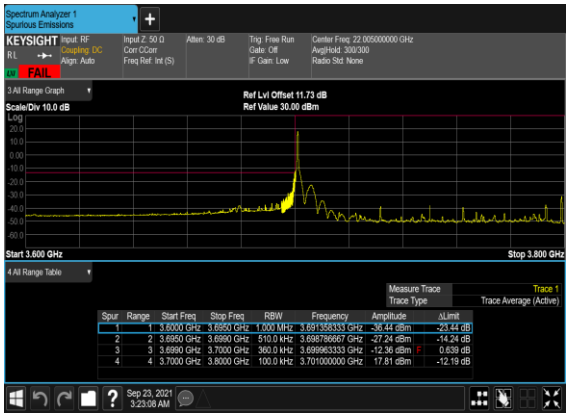


N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

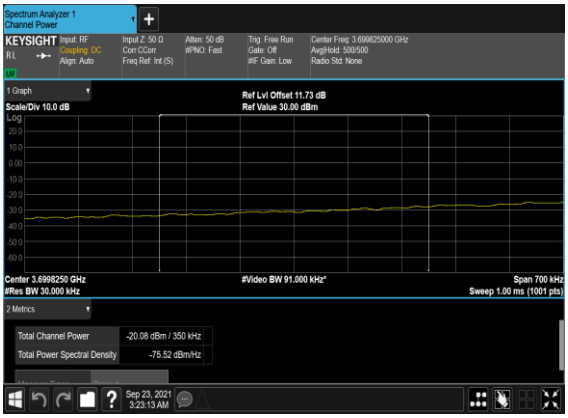
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



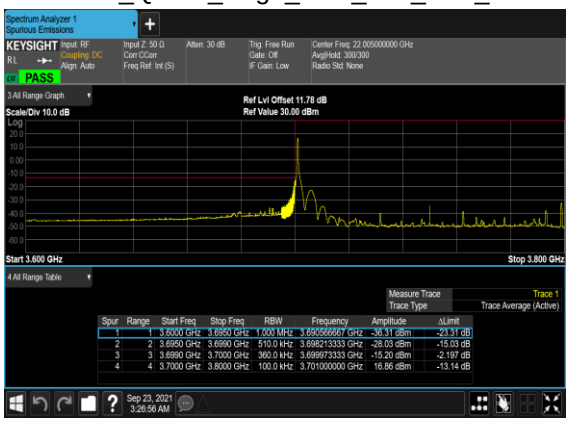
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP**_**PASS**

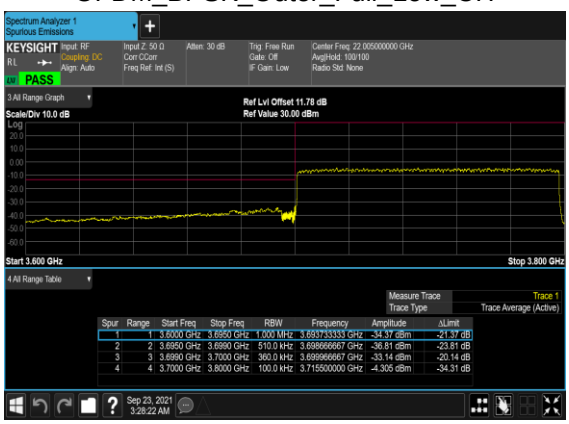


N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

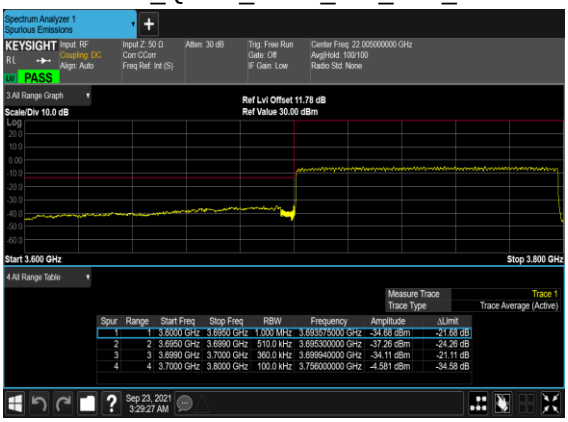


N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP**_**PASS**

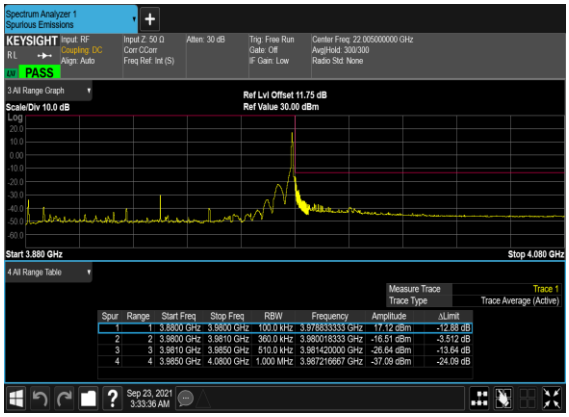
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



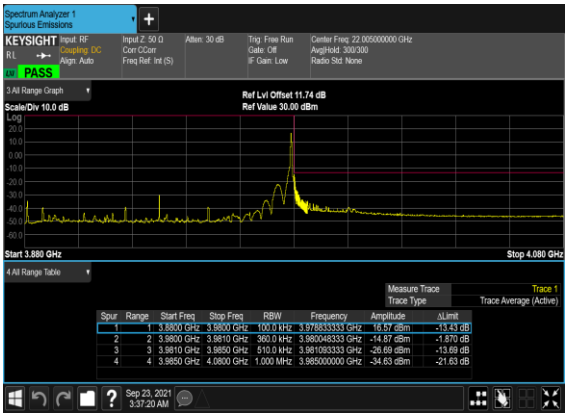
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



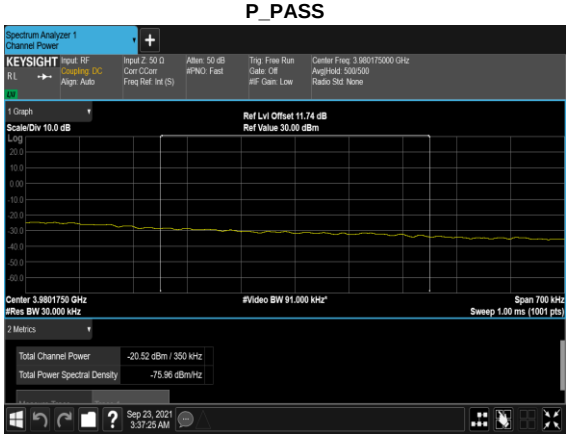
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



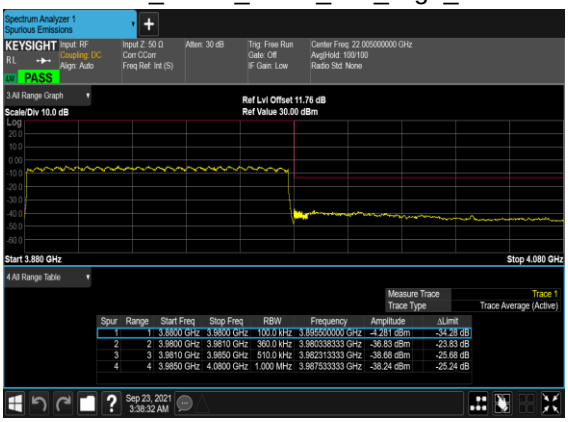
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



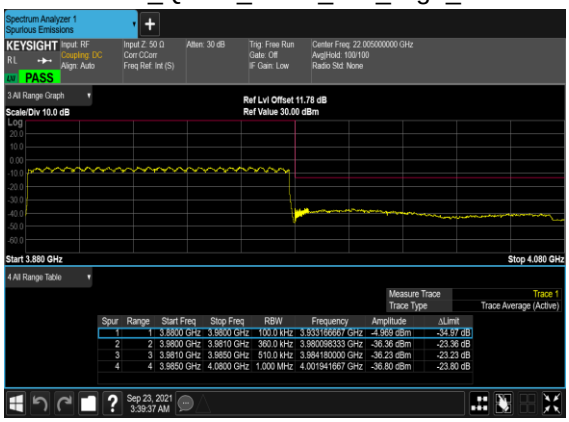
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CH P_PASS



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 21.02.092701

FR1 N78

Transmitter Conducted Output Power And EIRP, Gain=-2.57dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	25@12	25.09	22.52	0.1786
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	24.8	22.23	0.1671
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@49	25	22.43	0.1750
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	25.11	22.54	0.1795
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	24.82	22.25	0.1679
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	25.03	22.46	0.1762
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	24.1	21.53	0.1422
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	23.69	21.12	0.1294
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	23.88	21.31	0.1352
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	25@12	22.57	20	0.1000
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@1	22.23	19.66	0.0925
78	30	20	647334	3710.01	DFT-s-OFDM 64 QAM	1@49	22.59	20.02	0.1005
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	25@12	20.56	17.99	0.0630
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@1	20.35	17.78	0.0600
78	30	20	647334	3710.01	DFT-s-OFDM 256 QAM	1@49	20.57	18	0.0631
78	30	20	647334	3710.01	CP-OFDM QPSK	25@12	23.61	21.04	0.1271
78	30	20	647334	3710.01	CP-OFDM QPSK	1@1	23.4	20.83	0.1211
78	30	20	647334	3710.01	CP-OFDM QPSK	1@49	23.64	21.07	0.1279
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	25@12	25.17	22.6	0.1820

78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.03	22.46	0.1762
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@49	25.09	22.52	0.1786
78	30	20	650000	3750	DFT-s-OFDM QPSK	25@12	25.22	22.65	0.1841
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.08	22.51	0.1782
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@49	25.13	22.56	0.1803
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	25@12	24.23	21.66	0.1466
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.95	21.38	0.1374
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@49	23.98	21.41	0.1384
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	25@12	22.7	20.13	0.1030
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.66	20.09	0.1021
78	30	20	650000	3750	DFT-s-OFDM 64 QAM	1@49	22.68	20.11	0.1026
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	25@12	20.13	17.56	0.0570
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.53	17.96	0.0625
78	30	20	650000	3750	DFT-s-OFDM 256 QAM	1@49	20.21	17.64	0.0581
78	30	20	650000	3750	CP-OFDM QPSK	25@12	23.75	21.18	0.1312
78	30	20	650000	3750	CP-OFDM QPSK	1@1	23.66	21.09	0.1285
78	30	20	650000	3750	CP-OFDM QPSK	1@49	23.72	21.15	0.1303
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	25@12	25.35	22.78	0.1897
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	25.16	22.59	0.1816
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@49	25.3	22.73	0.1875
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	25@12	25.36	22.79	0.1901
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.17	22.6	0.1820
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@49	25.35	22.78	0.1897
78	30	20	652666	3789.99	DFT-s-OFDM 16	25@12	24.4	21.83	0.1524

					QAM				
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	24.01	21.44	0.1393
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@49	24.16	21.59	0.1442
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	25@12	22.9	20.33	0.1079
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@1	22.56	19.99	0.0998
78	30	20	652666	3789.99	DFT-s-OFDM 64 QAM	1@49	22.9	20.33	0.1079
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	25@12	20.86	18.29	0.0675
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@1	20.72	18.15	0.0653
78	30	20	652666	3789.99	DFT-s-OFDM 256 QAM	1@49	20.55	17.98	0.0628
78	30	20	652666	3789.99	CP-OFDM QPSK	25@12	23.88	21.31	0.1352
78	30	20	652666	3789.99	CP-OFDM QPSK	1@1	23.75	21.18	0.1312
78	30	20	652666	3789.99	CP-OFDM QPSK	1@49	23.95	21.38	0.1374
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	36@18	25.19	22.62	0.1828
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	24.71	22.14	0.1637
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@76	24.99	22.42	0.1746
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	25.2	22.63	0.1832
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	24.75	22.18	0.1652
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	25	22.43	0.1750
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	24.19	21.62	0.1452
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	23.58	21.01	0.1262
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	23.83	21.26	0.1337
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	36@18	22.68	20.11	0.1026
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@1	22.3	19.73	0.0940
78	30	30	647668	3715.02	DFT-s-OFDM 64 QAM	1@76	22.39	19.82	0.0959

78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	36@18	20.62	18.05	0.0638
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@1	20.3	17.73	0.0593
78	30	30	647668	3715.02	DFT-s-OFDM 256 QAM	1@76	20.24	17.67	0.0585
78	30	30	647668	3715.02	CP-OFDM QPSK	39@19	23.69	21.12	0.1294
78	30	30	647668	3715.02	CP-OFDM QPSK	1@1	23.36	20.79	0.1199
78	30	30	647668	3715.02	CP-OFDM QPSK	1@76	23.56	20.99	0.1256
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	36@18	25.21	22.64	0.1837
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.95	22.38	0.1730
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@76	24.96	22.39	0.1734
78	30	30	650000	3750	DFT-s-OFDM QPSK	36@18	25.24	22.67	0.1849
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	24.98	22.41	0.1742
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@76	25.01	22.44	0.1754
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	36@18	24.26	21.69	0.1476
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.89	21.32	0.1355
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@76	23.82	21.25	0.1334
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	36@18	22.73	20.16	0.1038
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.36	19.79	0.0953
78	30	30	650000	3750	DFT-s-OFDM 64 QAM	1@76	22.4	19.83	0.0962
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	36@18	20.69	18.12	0.0649
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.53	17.96	0.0625
78	30	30	650000	3750	DFT-s-OFDM 256 QAM	1@76	20.53	17.96	0.0625
78	30	30	650000	3750	CP-OFDM QPSK	39@19	23.72	21.15	0.1303
78	30	30	650000	3750	CP-OFDM QPSK	1@1	23.58	21.01	0.1262
78	30	30	650000	3750	CP-OFDM QPSK	1@76	23.52	20.95	0.1245

78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	36@18	25.32	22.75	0.1884
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	24.94	22.37	0.1726
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@76	25.17	22.6	0.1820
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	36@18	25.36	22.79	0.1901
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	24.99	22.42	0.1746
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@76	25.19	22.62	0.1828
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	36@18	24.35	21.78	0.1507
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	23.84	21.27	0.1340
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@76	23.96	21.39	0.1377
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	36@18	22.79	20.22	0.1052
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@1	22.35	19.78	0.0951
78	30	30	652332	3784.98	DFT-s-OFDM 64 QAM	1@76	22.54	19.97	0.0993
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	36@18	20.78	18.21	0.0662
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@1	20.53	17.96	0.0625
78	30	30	652332	3784.98	DFT-s-OFDM 256 QAM	1@76	20.42	17.85	0.0610
78	30	30	652332	3784.98	CP-OFDM QPSK	39@19	23.84	21.27	0.1340
78	30	30	652332	3784.98	CP-OFDM QPSK	1@1	23.58	21.01	0.1262
78	30	30	652332	3784.98	CP-OFDM QPSK	1@76	23.7	21.13	0.1297
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	50@25	25.21	22.64	0.1837
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	24.49	21.92	0.1556
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@104	24.76	22.19	0.1656
78	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	25.21	22.64	0.1837
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	24.54	21.97	0.1574
78	30	40	648000	3720	DFT-s-OFDM	1@104	24.82	22.25	0.1679

					QPSK				
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	24.2	21.63	0.1455
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	23.4	20.83	0.1211
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	23.63	21.06	0.1276
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	50@25	22.71	20.14	0.1033
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@1	22.1	19.53	0.0897
78	30	40	648000	3720	DFT-s-OFDM 64 QAM	1@104	22.17	19.6	0.0912
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	50@25	20.67	18.1	0.0646
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@1	20.11	17.54	0.0568
78	30	40	648000	3720	DFT-s-OFDM 256 QAM	1@104	20.04	17.47	0.0558
78	30	40	648000	3720	CP-OFDM QPSK	53@26	23.65	21.08	0.1282
78	30	40	648000	3720	CP-OFDM QPSK	1@1	23.1	20.53	0.1130
78	30	40	648000	3720	CP-OFDM QPSK	1@104	23.36	20.79	0.1199
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	50@25	25.2	22.63	0.1832
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.74	22.17	0.1648
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@104	24.83	22.26	0.1683
78	30	40	650000	3750	DFT-s-OFDM QPSK	50@25	25.24	22.67	0.1849
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	24.77	22.2	0.1660
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@104	24.85	22.28	0.1690
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	50@25	24.24	21.67	0.1469
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.58	21.01	0.1262
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@104	23.67	21.1	0.1288
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	50@25	22.75	20.18	0.1042
78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.18	19.61	0.0914

78	30	40	650000	3750	DFT-s-OFDM 64 QAM	1@104	22.4	19.83	0.0962
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	50@25	20.72	18.15	0.0653
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.04	17.47	0.0558
78	30	40	650000	3750	DFT-s-OFDM 256 QAM	1@104	20.36	17.79	0.0601
78	30	40	650000	3750	CP-OFDM QPSK	53@26	23.71	21.14	0.1300
78	30	40	650000	3750	CP-OFDM QPSK	1@1	23.33	20.76	0.1191
78	30	40	650000	3750	CP-OFDM QPSK	1@104	23.39	20.82	0.1208
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	50@25	25.29	22.72	0.1871
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	24.73	22.16	0.1644
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@104	25	22.43	0.1750
78	30	40	652000	3780	DFT-s-OFDM QPSK	50@25	25.36	22.79	0.1901
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	24.74	22.17	0.1648
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@104	25	22.43	0.1750
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	50@25	24.38	21.81	0.1517
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.58	21.01	0.1262
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@104	23.8	21.23	0.1327
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	50@25	22.82	20.25	0.1059
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@1	22.32	19.75	0.0944
78	30	40	652000	3780	DFT-s-OFDM 64 QAM	1@104	22.59	20.02	0.1005
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	50@25	20.81	18.24	0.0667
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@1	20.3	17.73	0.0593
78	30	40	652000	3780	DFT-s-OFDM 256 QAM	1@104	20.29	17.72	0.0592
78	30	40	652000	3780	CP-OFDM QPSK	53@26	23.82	21.25	0.1334
78	30	40	652000	3780	CP-OFDM QPSK	1@1	23.33	20.76	0.1191

78	30	40	652000	3780	CP-OFDM QPSK	1@104	23.6	21.03	0.1268
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	64@32	25.25	22.68	0.1854
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	24.77	22.2	0.1660
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@131	25.03	22.46	0.1762
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	25.27	22.7	0.1862
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	24.81	22.24	0.1675
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	25.05	22.48	0.1770
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	24.28	21.71	0.1483
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	23.69	21.12	0.1294
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	23.9	21.33	0.1358
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	64@32	22.76	20.19	0.1045
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@1	22.45	19.88	0.0973
78	30	50	648334	3725.01	DFT-s-OFDM 64 QAM	1@131	22.67	20.1	0.1023
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	64@32	20.77	18.2	0.0661
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@1	20.41	17.84	0.0608
78	30	50	648334	3725.01	DFT-s-OFDM 256 QAM	1@131	20.33	17.76	0.0597
78	30	50	648334	3725.01	CP-OFDM QPSK	67@33	23.34	20.77	0.1194
78	30	50	648334	3725.01	CP-OFDM QPSK	1@1	23.39	20.82	0.1208
78	30	50	648334	3725.01	CP-OFDM QPSK	1@131	23.62	21.05	0.1274
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	64@32	25.32	22.75	0.1884
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.02	22.45	0.1758
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@131	25.08	22.51	0.1782
78	30	50	650000	3750	DFT-s-OFDM QPSK	64@32	25.31	22.74	0.1879
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.03	22.46	0.1762

78	30	50	650000	3750	DFT-s-OFDM QPSK	1@131	25.12	22.55	0.1799
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	64@32	24.32	21.75	0.1496
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.85	21.28	0.1343
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@131	23.92	21.35	0.1365
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	64@32	22.79	20.22	0.1052
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.48	19.91	0.0979
78	30	50	650000	3750	DFT-s-OFDM 64 QAM	1@131	22.71	20.14	0.1033
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	64@32	20.78	18.21	0.0662
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.59	18.02	0.0634
78	30	50	650000	3750	DFT-s-OFDM 256 QAM	1@131	20.71	18.14	0.0652
78	30	50	650000	3750	CP-OFDM QPSK	67@33	23.79	21.22	0.1324
78	30	50	650000	3750	CP-OFDM QPSK	1@1	23.67	21.1	0.1288
78	30	50	650000	3750	CP-OFDM QPSK	1@131	23.68	21.11	0.1291
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	64@32	25.29	22.72	0.1871
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	24.93	22.36	0.1722
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@131	25.22	22.65	0.1841
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	64@32	25.35	22.78	0.1897
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	24.97	22.4	0.1738
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@131	25.25	22.68	0.1854
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	64@32	24.33	21.76	0.1500
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	23.83	21.26	0.1337
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@131	24.09	21.52	0.1419
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	64@32	22.84	20.27	0.1064
78	30	50	651666	3774.99	DFT-s-OFDM 64	1@1	22.61	20.04	0.1009

					QAM				
78	30	50	651666	3774.99	DFT-s-OFDM 64 QAM	1@131	22.66	20.09	0.1021
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	64@32	20.8	18.23	0.0665
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@1	20.55	17.98	0.0628
78	30	50	651666	3774.99	DFT-s-OFDM 256 QAM	1@131	20.51	17.94	0.0622
78	30	50	651666	3774.99	CP-OFDM QPSK	67@33	23.79	21.22	0.1324
78	30	50	651666	3774.99	CP-OFDM QPSK	1@1	23.62	21.05	0.1274
78	30	50	651666	3774.99	CP-OFDM QPSK	1@131	23.82	21.25	0.1334
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	81@40	25.22	22.65	0.1841
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	24.64	22.07	0.1611
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@160	24.92	22.35	0.1718
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	25.22	22.65	0.1841
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	24.67	22.1	0.1622
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	24.93	22.36	0.1722
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	24.26	21.69	0.1476
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.54	20.97	0.1250
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	23.82	21.25	0.1334
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	81@40	22.65	20.08	0.1019
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@1	22.1	19.53	0.0897
78	30	60	648668	3730.02	DFT-s-OFDM 64 QAM	1@160	22.55	19.98	0.0995
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	81@40	20.71	18.14	0.0652
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@1	19.94	17.37	0.0546
78	30	60	648668	3730.02	DFT-s-OFDM 256 QAM	1@160	20.22	17.65	0.0582
78	30	60	648668	3730.02	CP-OFDM QPSK	81@40	23.67	21.1	0.1288

78	30	60	648668	3730.02	CP-OFDM QPSK	1@1	23.2	20.63	0.1156
78	30	60	648668	3730.02	CP-OFDM QPSK	1@160	23.51	20.94	0.1242
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	81@40	25.25	22.68	0.1854
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.9	22.33	0.1710
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@160	25.07	22.5	0.1778
78	30	60	650000	3750	DFT-s-OFDM QPSK	81@40	25.24	22.67	0.1849
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	24.91	22.34	0.1714
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@160	25.07	22.5	0.1778
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	81@40	24.25	21.68	0.1472
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.77	21.2	0.1318
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@160	23.86	21.29	0.1346
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	81@40	22.69	20.12	0.1028
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.48	19.91	0.0979
78	30	60	650000	3750	DFT-s-OFDM 64 QAM	1@160	22.49	19.92	0.0982
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	81@40	20.74	18.17	0.0656
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.16	17.59	0.0574
78	30	60	650000	3750	DFT-s-OFDM 256 QAM	1@160	20.33	17.76	0.0597
78	30	60	650000	3750	CP-OFDM QPSK	81@40	23.73	21.16	0.1306
78	30	60	650000	3750	CP-OFDM QPSK	1@1	23.41	20.84	0.1213
78	30	60	650000	3750	CP-OFDM QPSK	1@160	23.57	21	0.1259
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	81@40	25.33	22.76	0.1888
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	24.87	22.3	0.1698
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@160	25.13	22.56	0.1803
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	81@40	25.3	22.73	0.1875

78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	24.86	22.29	0.1694
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@160	25.13	22.56	0.1803
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	81@40	24.34	21.77	0.1503
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	23.69	21.12	0.1294
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@160	23.97	21.4	0.1380
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	81@40	22.77	20.2	0.1047
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@1	22.35	19.78	0.0951
78	30	60	651332	3769.98	DFT-s-OFDM 64 QAM	1@160	22.76	20.19	0.1045
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	81@40	20.15	17.58	0.0573
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@1	20.13	17.56	0.0570
78	30	60	651332	3769.98	DFT-s-OFDM 256 QAM	1@160	20.16	17.59	0.0574
78	30	60	651332	3769.98	CP-OFDM QPSK	81@40	23.43	20.86	0.1219
78	30	60	651332	3769.98	CP-OFDM QPSK	1@1	23.41	20.84	0.1213
78	30	60	651332	3769.98	CP-OFDM QPSK	1@160	23.75	21.18	0.1312
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	90@45	25.24	22.67	0.1849
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	24.64	22.07	0.1611
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@187	24.95	22.38	0.1730
78	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	25.25	22.68	0.1854
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	24.62	22.05	0.1603
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	24.93	22.36	0.1722
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	24.29	21.72	0.1486
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	23.53	20.96	0.1247
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	23.77	21.2	0.1318
78	30	70	649000	3735	DFT-s-OFDM 64	90@45	22.77	20.2	0.1047

					QAM				
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@1	22.22	19.65	0.0923
78	30	70	649000	3735	DFT-s-OFDM 64 QAM	1@187	22.43	19.86	0.0968
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	90@45	20.67	18.1	0.0646
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@1	19.93	17.36	0.0545
78	30	70	649000	3735	DFT-s-OFDM 256 QAM	1@187	20.25	17.68	0.0586
78	30	70	649000	3735	CP-OFDM QPSK	95@47	23.75	21.18	0.1312
78	30	70	649000	3735	CP-OFDM QPSK	1@1	23.28	20.71	0.1178
78	30	70	649000	3735	CP-OFDM QPSK	1@187	23.61	21.04	0.1271
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	90@45	25.24	22.67	0.1849
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.75	22.18	0.1652
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@187	24.98	22.41	0.1742
78	30	70	650000	3750	DFT-s-OFDM QPSK	90@45	25.26	22.69	0.1858
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	24.75	22.18	0.1652
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@187	24.99	22.42	0.1746
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	90@45	24.26	21.69	0.1476
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.62	21.05	0.1274
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@187	23.89	21.32	0.1355
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	90@45	22.75	20.18	0.1042
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.33	19.76	0.0946
78	30	70	650000	3750	DFT-s-OFDM 64 QAM	1@187	22.6	20.03	0.1007
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	90@45	20.71	18.14	0.0652
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.09	17.52	0.0565
78	30	70	650000	3750	DFT-s-OFDM 256 QAM	1@187	20.33	17.76	0.0597

78	30	70	650000	3750	CP-OFDM QPSK	95@47	23.74	21.17	0.1309
78	30	70	650000	3750	CP-OFDM QPSK	1@1	23.33	20.76	0.1191
78	30	70	650000	3750	CP-OFDM QPSK	1@187	23.62	21.05	0.1274
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	90@45	25.3	22.73	0.1875
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	24.8	22.23	0.1671
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@187	25.12	22.55	0.1799
78	30	70	651000	3765	DFT-s-OFDM QPSK	90@45	25.34	22.77	0.1892
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	24.82	22.25	0.1679
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@187	25.13	22.56	0.1803
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	90@45	24.32	21.75	0.1496
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	23.65	21.08	0.1282
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@187	23.97	21.4	0.1380
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	90@45	22.82	20.25	0.1059
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@1	22.21	19.64	0.0920
78	30	70	651000	3765	DFT-s-OFDM 64 QAM	1@187	22.82	20.25	0.1059
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	90@45	20.76	18.19	0.0659
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@1	20.16	17.59	0.0574
78	30	70	651000	3765	DFT-s-OFDM 256 QAM	1@187	20.47	17.9	0.0617
78	30	70	651000	3765	CP-OFDM QPSK	95@47	23.79	21.22	0.1324
78	30	70	651000	3765	CP-OFDM QPSK	1@1	23.42	20.85	0.1216
78	30	70	651000	3765	CP-OFDM QPSK	1@187	23.81	21.24	0.1330
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	108@54	25.23	22.66	0.1845
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	24.52	21.95	0.1567
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@215	24.87	22.3	0.1698

78	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	25.27	22.7	0.1862
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	24.53	21.96	0.1570
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	24.9	22.33	0.1710
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	24.22	21.65	0.1462
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.38	20.81	0.1205
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	23.78	21.21	0.1321
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	108@54	22.77	20.2	0.1047
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@1	22.14	19.57	0.0906
78	30	80	649334	3740.01	DFT-s-OFDM 64 QAM	1@215	22.39	19.82	0.0959
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	108@54	20.74	18.17	0.0656
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@1	19.86	17.29	0.0536
78	30	80	649334	3740.01	DFT-s-OFDM 256 QAM	1@215	20.51	17.94	0.0622
78	30	80	649334	3740.01	CP-OFDM QPSK	109@54	23.72	21.15	0.1303
78	30	80	649334	3740.01	CP-OFDM QPSK	1@1	23.03	20.46	0.1112
78	30	80	649334	3740.01	CP-OFDM QPSK	1@215	23.48	20.91	0.1233
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	108@54	25.3	22.73	0.1875
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.56	21.99	0.1581
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@215	24.96	22.39	0.1734
78	30	80	650000	3750	DFT-s-OFDM QPSK	108@54	25.28	22.71	0.1866
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	24.61	22.04	0.1600
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@215	24.97	22.4	0.1738
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	108@54	24.25	21.68	0.1472
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.43	20.86	0.1219
78	30	80	650000	3750	DFT-s-OFDM 16	1@215	23.84	21.27	0.1340

					QAM				
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	108@54	22.78	20.21	0.1050
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.04	19.47	0.0885
78	30	80	650000	3750	DFT-s-OFDM 64 QAM	1@215	22.57	20	0.1000
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	108@54	20.16	17.59	0.0574
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.15	17.58	0.0573
78	30	80	650000	3750	DFT-s-OFDM 256 QAM	1@215	20.14	17.57	0.0571
78	30	80	650000	3750	CP-OFDM QPSK	109@54	23.73	21.16	0.1306
78	30	80	650000	3750	CP-OFDM QPSK	1@1	23.13	20.56	0.1138
78	30	80	650000	3750	CP-OFDM QPSK	1@215	23.51	20.94	0.1242
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	108@54	25.27	22.7	0.1862
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	24.61	22.04	0.1600
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@215	25.05	22.48	0.1770
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	108@54	25.29	22.72	0.1871
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	24.64	22.07	0.1611
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@215	25.04	22.47	0.1766
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	108@54	24.24	21.67	0.1469
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	23.47	20.9	0.1230
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@215	23.82	21.25	0.1334
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	108@54	22.75	20.18	0.1042
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@1	22.04	19.47	0.0885
78	30	80	650666	3759.99	DFT-s-OFDM 64 QAM	1@215	22.68	20.11	0.1026
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	108@54	20.74	18.17	0.0656
78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@1	20.3	17.73	0.0593

78	30	80	650666	3759.99	DFT-s-OFDM 256 QAM	1@215	20.39	17.82	0.0605
78	30	80	650666	3759.99	CP-OFDM QPSK	109@54	23.7	21.13	0.1297
78	30	80	650666	3759.99	CP-OFDM QPSK	1@1	23.13	20.56	0.1138
78	30	80	650666	3759.99	CP-OFDM QPSK	1@215	23.53	20.96	0.1247
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60	25.26	22.69	0.1858
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	24.41	21.84	0.1528
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243	24.85	22.28	0.1690
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	25.29	22.72	0.1871
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24.45	21.88	0.1542
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	24.85	22.28	0.1690
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	24.31	21.74	0.1493
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	23.26	20.69	0.1172
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	23.66	21.09	0.1285
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	120@60	22.74	20.17	0.1040
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@1	22.03	19.46	0.0883
78	30	90	649668	3745.02	DFT-s-OFDM 64 QAM	1@243	22.46	19.89	0.0975
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	120@60	20.76	18.19	0.0659
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@1	19.75	17.18	0.0522
78	30	90	649668	3745.02	DFT-s-OFDM 256 QAM	1@243	20.2	17.63	0.0579
78	30	90	649668	3745.02	CP-OFDM QPSK	123@61	23.73	21.16	0.1306
78	30	90	649668	3745.02	CP-OFDM QPSK	1@1	22.98	20.41	0.1099
78	30	90	649668	3745.02	CP-OFDM QPSK	1@243	23.46	20.89	0.1227
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	120@60	25.27	22.7	0.1862
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.45	21.88	0.1542

78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@243	24.86	22.29	0.1694
78	30	90	650000	3750	DFT-s-OFDM QPSK	120@60	25.28	22.71	0.1866
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	24.48	21.91	0.1552
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@243	24.92	22.35	0.1718
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	120@60	24.3	21.73	0.1489
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.31	20.74	0.1186
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@243	23.74	21.17	0.1309
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	120@60	22.73	20.16	0.1038
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.2	19.63	0.0918
78	30	90	650000	3750	DFT-s-OFDM 64 QAM	1@243	22.58	20.01	0.1002
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	120@60	20.73	18.16	0.0655
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@1	19.8	17.23	0.0528
78	30	90	650000	3750	DFT-s-OFDM 256 QAM	1@243	20.2	17.63	0.0579
78	30	90	650000	3750	CP-OFDM QPSK	123@61	23.71	21.14	0.1300
78	30	90	650000	3750	CP-OFDM QPSK	1@1	23	20.43	0.1104
78	30	90	650000	3750	CP-OFDM QPSK	1@243	23.47	20.9	0.1230
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	120@60	25.21	22.64	0.1837
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	24.47	21.9	0.1549
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@243	24.87	22.3	0.1698
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	120@60	25.23	22.66	0.1845
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	24.47	21.9	0.1549
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@243	24.87	22.3	0.1698
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	120@60	24.24	21.67	0.1469
78	30	90	650332	3754.98	DFT-s-OFDM 16	1@1	23.29	20.72	0.1180

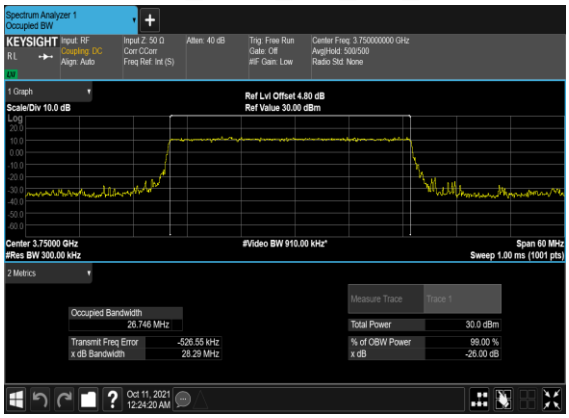
					QAM				
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@243	23.72	21.15	0.1303
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	120@60	22.69	20.12	0.1028
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@1	21.94	19.37	0.0865
78	30	90	650332	3754.98	DFT-s-OFDM 64 QAM	1@243	22.57	20	0.1000
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	120@60	20.72	18.15	0.0653
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@1	19.76	17.19	0.0524
78	30	90	650332	3754.98	DFT-s-OFDM 256 QAM	1@243	20.17	17.6	0.0575
78	30	90	650332	3754.98	CP-OFDM QPSK	123@61	23.64	21.07	0.1279
78	30	90	650332	3754.98	CP-OFDM QPSK	1@1	23.01	20.44	0.1107
78	30	90	650332	3754.98	CP-OFDM QPSK	1@243	23.39	20.82	0.1208
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.23	22.66	0.1845
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.27	21.7	0.1479
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	24.83	22.26	0.1683
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.28	22.71	0.1866
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	24.33	21.76	0.1500
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	24.85	22.28	0.1690
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.26	21.69	0.1476
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.22	20.65	0.1161
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	23.63	21.06	0.1276
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.79	20.22	0.1052
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	21.84	19.27	0.0845
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.38	19.81	0.0957
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.78	18.21	0.0662

78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	19.76	17.19	0.0524
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.3	17.73	0.0593
78	30	100	650000	3750	CP-OFDM QPSK	137@68	23.74	21.17	0.1309
78	30	100	650000	3750	CP-OFDM QPSK	1@1	22.9	20.33	0.1079
78	30	100	650000	3750	CP-OFDM QPSK	1@271	23.41	20.84	0.1213

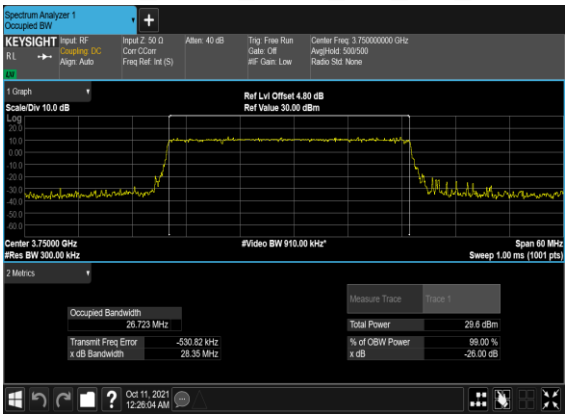
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	30	30	650000	3750.0	DFT-s-OFDM PI/2 BPSK	75@0	26.746	28.29
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	26.723	28.35
78	30	30	650000	3750.0	CP-OFDM QPSK	78@0	27.811	29.29
78	30	30	650000	3750.0	CP-OFDM 16 QAM	78@0	27.828	29.53
78	30	30	650000	3750.0	CP-OFDM 64 QAM	78@0	27.762	29.04
78	30	30	650000	3750.0	CP-OFDM 256 QAM	78@0	27.82	29.16
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	64.401	66.74
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	180@0	64.225	66.64
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.474	70.05
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.446	69.96
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.375	70.08
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.433	69.71

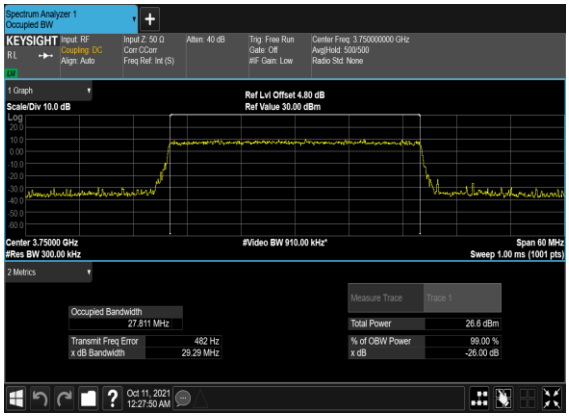
N78(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



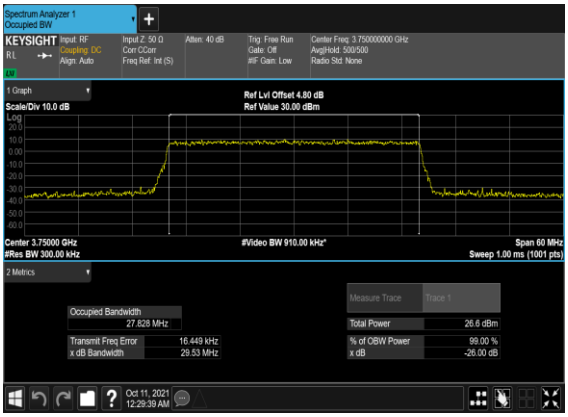
N78(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



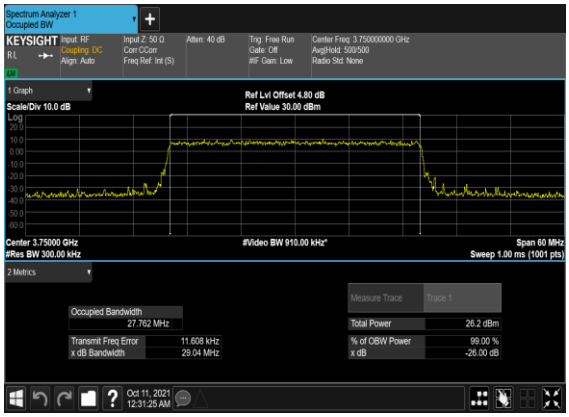
N78(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



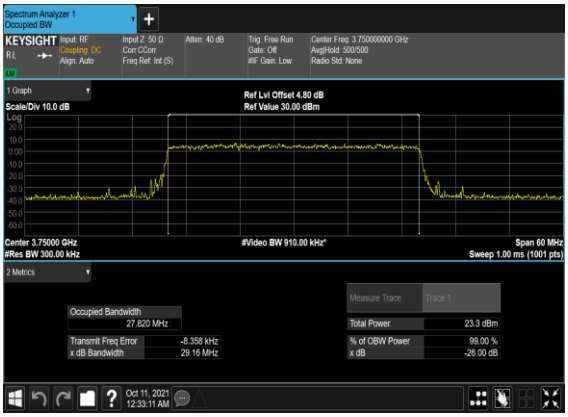
N78(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



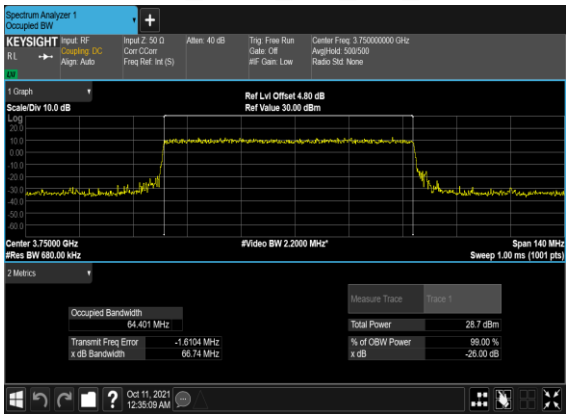
N78(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



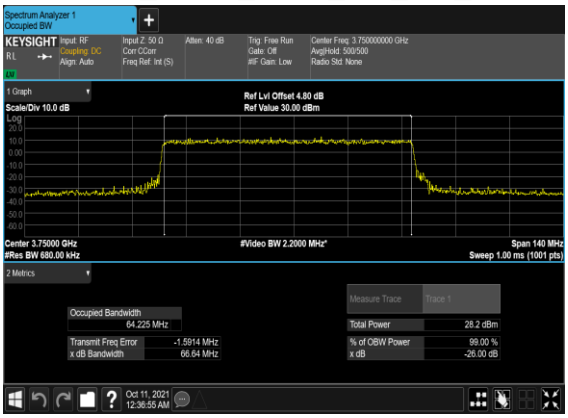
N78(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



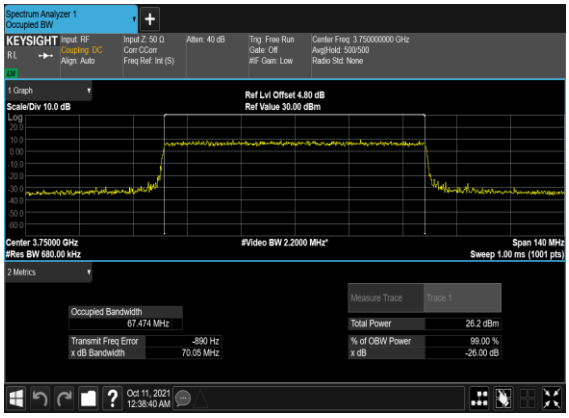
N78(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



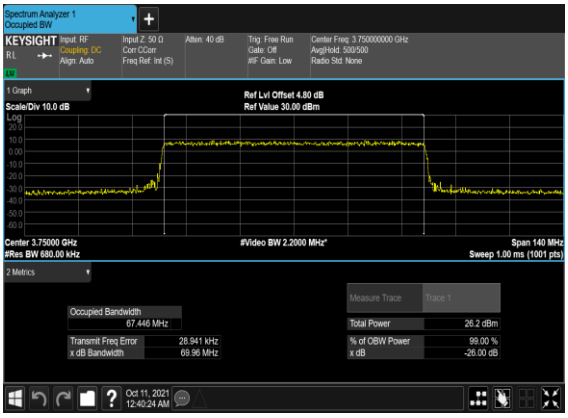
N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



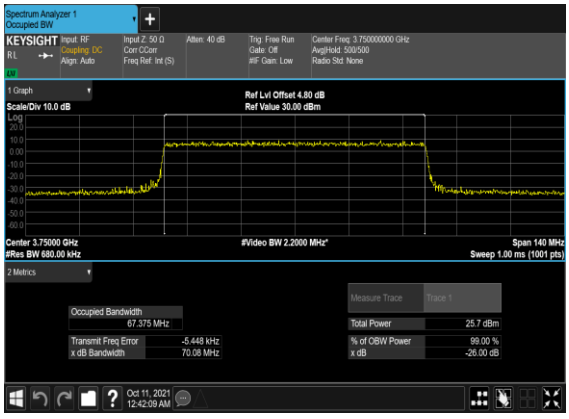
N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



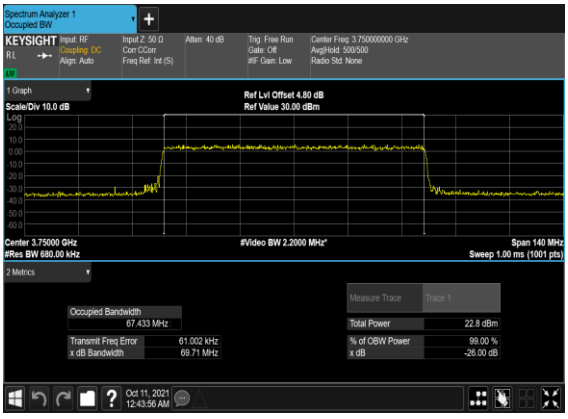
N78(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Note: Pre-scanned harmonic for the different antenna combinations for EN-DC mode, we choose the worst antenna mode to test.

SA n77 / NR 100MHz / QPSK DFT-s-OFDM / ANT6(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7584	-46.63	-13	-33.63	-57.11	2.76	13.24	H
	11376	-57.88	-13	-44.88	-67.47	3.42	13.01	H
	15180	-56.80	-13	-43.80	-66.41	3.83	13.44	H
	7584	-57.52	-13	-44.52	-67.96	2.80	13.24	V
	11376	-58.30	-13	-45.30	-67.85	3.46	13.01	V
	15180	-58.50	-13	-45.50	-68.06	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n78 / NR 100MHz / QPSK DFT-s-OFDM / ANT6(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7404	-59.64	-13	-46.64	-70.12	2.76	13.24	H
	11118	-58.10	-13	-45.10	-67.69	3.42	13.01	H
	14820	-57.30	-13	-44.30	-66.91	3.83	13.44	H
	7404	-50.72	-13	-37.72	-61.16	2.80	13.24	V
	11118	-57.95	-13	-44.95	-67.50	3.46	13.01	V
	14820	-56.86	-13	-43.86	-66.42	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_2A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3(LTE) & ANT6(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7410	-62.29	-13	-49.29	-72.77	2.76	13.24	H
	11118	-58.82	-13	-45.82	-68.41	3.42	13.01	H
	14820	-57.77	-13	-44.77	-67.38	3.83	13.44	H
	7410	-61.29	-13	-48.29	-71.73	2.80	13.24	V
	11118	-58.70	-13	-45.70	-68.25	3.46	13.01	V
	14820	-57.99	-13	-44.99	-67.55	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_5A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT0 (LTE) & ANT6(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7410	-61.17	-13	-48.17	-71.65	2.76	13.24	H
	11118	-58.55	-13	-45.55	-68.14	3.42	13.01	H
	14820	-57.37	-13	-44.37	-66.98	3.83	13.44	H
	7410	-62.31	-13	-49.31	-72.75	2.80	13.24	V
	11118	-58.39	-13	-45.39	-67.94	3.46	13.01	V
	14820	-57.63	-13	-44.63	-67.19	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3(LTE) & ANT6(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7404	-59.31	-13	-46.31	-69.79	2.76	13.24	H
	11118	-58.89	-13	-45.89	-68.48	3.42	13.01	H
	14820	-57.43	-13	-44.43	-67.04	3.83	13.44	H
	7404	-60.99	-13	-47.99	-71.43	2.80	13.24	V
	11118	-58.99	-13	-45.99	-68.54	3.46	13.01	V
	14820	-57.74	-13	-44.74	-67.30	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_38A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT6(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7404	-58.69	-13	-45.69	-69.17	2.76	13.24	H
	11118	-58.83	-13	-45.83	-68.42	3.42	13.01	H
	14820	-58.45	-13	-45.45	-68.06	3.83	13.44	H
	7404	-61.48	-13	-48.48	-71.92	2.80	13.24	V
	11118	-58.94	-13	-45.94	-68.49	3.46	13.01	V
	14820	-57.80	-13	-44.80	-67.36	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_41A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT6(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7404	-59.14	-13	-46.14	-69.62	2.76	13.24	H
	11118	-58.63	-13	-45.63	-68.22	3.42	13.01	H
	14820	-57.82	-13	-44.82	-67.43	3.83	13.44	H
	7404	-61.26	-13	-48.26	-71.70	2.80	13.24	V
	11118	-58.81	-13	-45.81	-68.36	3.46	13.01	V
	14820	-57.70	-13	-44.70	-67.26	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_66A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3(LTE) & ANT6(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7404	-60.98	-13	-47.98	-71.46	2.76	13.24	H
	11118	-58.59	-13	-45.59	-68.18	3.42	13.01	H
	14820	-58.26	-13	-45.26	-67.87	3.83	13.44	H
	7404	-61.27	-13	-48.27	-71.71	2.80	13.24	V
	11118	-58.43	-13	-45.43	-67.98	3.46	13.01	V
	14820	-57.83	-13	-44.83	-67.39	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.