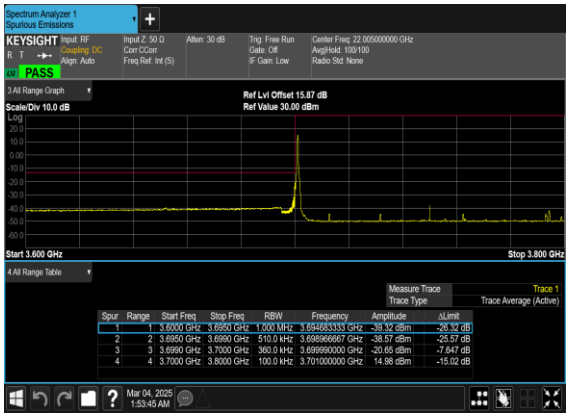
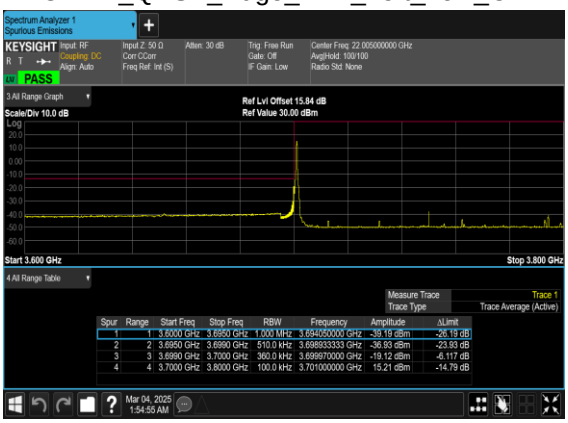
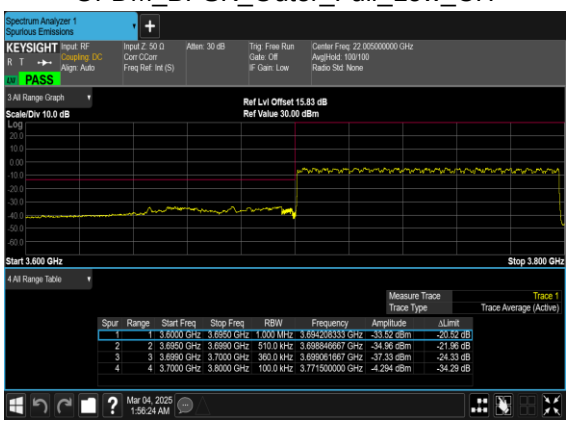
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



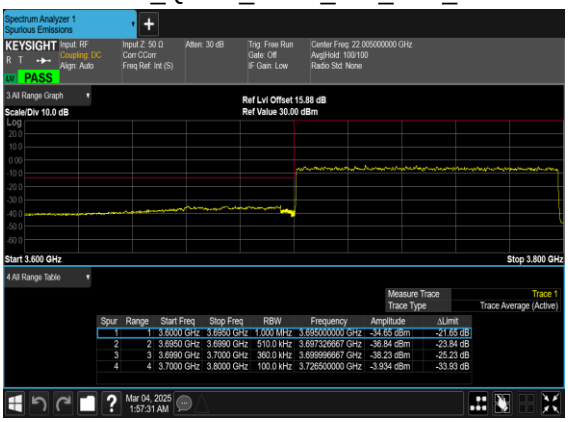
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

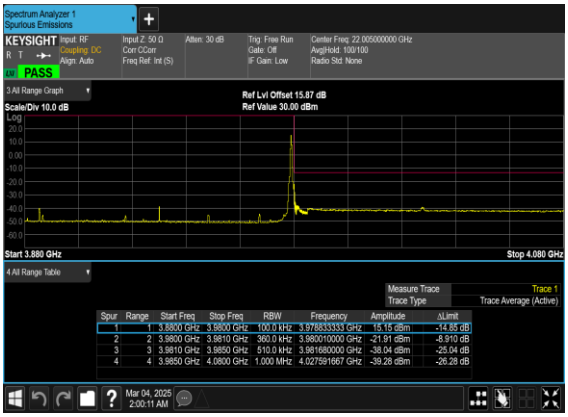


N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

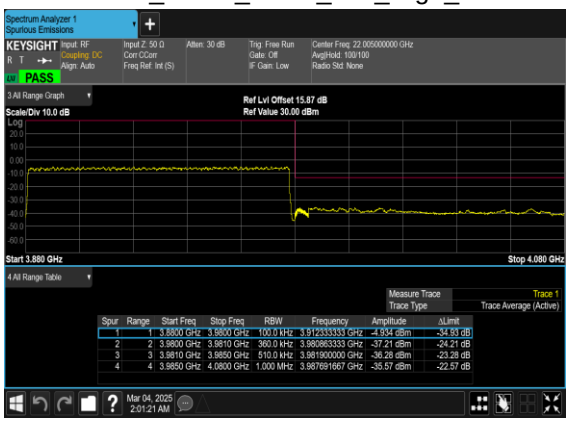


N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

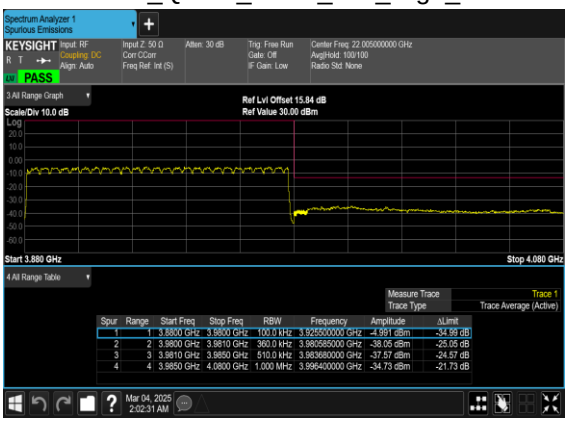
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N78_ANT3

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-3.3dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	24.74	21.44	0.1393
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	24.67	21.37	0.1371
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	24.67	21.37	0.1371
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	23.75	20.45	0.1109
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	23.75	20.45	0.1109
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	23.68	20.38	0.1091
78	30	20	650000	3750	DFT-s-OFDM QPSK	25@12	24.99	21.69	0.1476
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	24.99	21.69	0.1476
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@49	24.7	21.4	0.1380
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	25@12	23.98	20.68	0.1169
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.02	20.72	0.1180
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@49	23.68	20.38	0.1091
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	25@12	25.04	21.74	0.1493
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	24.89	21.59	0.1442
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@49	24.94	21.64	0.1459
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	25@12	24.07	20.77	0.1194
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	23.87	20.57	0.1140
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@49	23.96	20.66	0.1164
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	24.95	21.65	0.1462
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	24.96	21.66	0.1466
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	25.07	21.77	0.1503
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	23.95	20.65	0.1161
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.01	20.71	0.1178
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	24.13	20.83	0.1211
78	30	30	650000	3750	DFT-s-OFDM QPSK	36@18	25.09	21.79	0.1510
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	25.23	21.93	0.1560
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@76	24.76	21.46	0.1400
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	36@18	24.12	20.82	0.1208
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.21	20.91	0.1233
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@76	23.8	20.5	0.1122
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	36@18	25.03	21.73	0.1489
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	24.75	21.45	0.1396
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@76	25.06	21.76	0.1500
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	36@18	24.04	20.74	0.1186
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	23.75	20.45	0.1109

78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@76	24.12	20.82	0.1208
78	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	25.02	21.72	0.1486
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	24.93	21.63	0.1455
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	25.16	21.86	0.1535
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	24.01	20.71	0.1178
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	23.91	20.61	0.1151
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	24.26	20.96	0.1247
78	30	40	650000	3750	DFT-s-OFDM QPSK	50@25	25.11	21.81	0.1517
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	25.18	21.88	0.1542
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@104	24.79	21.49	0.1409
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	50@25	24.11	20.81	0.1205
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.22	20.92	0.1236
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@104	23.84	20.54	0.1132
78	30	40	652000	3780	DFT-s-OFDM QPSK	50@25	25.02	21.72	0.1486
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	24.73	21.43	0.1390
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@104	25.13	21.83	0.1524
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	50@25	24.11	20.81	0.1205
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.79	20.49	0.1119
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@104	24.16	20.86	0.1219
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	25.14	21.84	0.1528
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	24.92	21.62	0.1452
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	25	21.7	0.1479
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	24.15	20.85	0.1216
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	23.93	20.63	0.1156
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	23.99	20.69	0.1172
78	30	50	650000	3750	DFT-s-OFDM QPSK	64@32	25.12	21.82	0.1521
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.1	21.8	0.1514
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@131	24.87	21.57	0.1435
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	64@32	24.1	20.8	0.1202
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.1	20.8	0.1202
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@131	23.87	20.57	0.1140
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	64@32	24.93	21.63	0.1455
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	24.84	21.54	0.1426
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@131	25.06	21.76	0.1500
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	64@32	23.96	20.66	0.1164
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	23.89	20.59	0.1146
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@131	24.08	20.78	0.1197
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	25.05	21.75	0.1496
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	24.9	21.6	0.1445
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	24.71	21.41	0.1384
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	24.09	20.79	0.1199
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.94	20.64	0.1159
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	23.73	20.43	0.1104

78	30	60	650000	3750	DFT-s-OFDM QPSK	81@40	24.97	21.67	0.1469
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	24.89	21.59	0.1442
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@160	24.91	21.61	0.1449
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	81@40	24	20.7	0.1175
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.97	20.67	0.1167
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@160	24.02	20.72	0.1180
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	81@40	24.79	21.49	0.1409
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.11	21.81	0.1517
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@160	25.09	21.79	0.1510
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	81@40	23.87	20.57	0.1140
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.22	20.92	0.1236
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@160	24.13	20.83	0.1211
78	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	25.12	21.82	0.1521
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	24.98	21.68	0.1472
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	24.79	21.49	0.1409
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	24.14	20.84	0.1213
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.03	20.73	0.1183
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	23.74	20.44	0.1107
78	30	70	650000	3750	DFT-s-OFDM QPSK	90@45	25.01	21.71	0.1483
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	24.92	21.62	0.1452
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@187	25.02	21.72	0.1486
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	90@45	24.04	20.74	0.1186
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.92	20.62	0.1153
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@187	23.99	20.69	0.1172
78	30	70	651000	3765	DFT-s-OFDM QPSK	90@45	24.92	21.62	0.1452
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.21	21.91	0.1552
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@187	25.07	21.77	0.1503
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	90@45	23.96	20.66	0.1164
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	24.21	20.91	0.1233
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@187	24.1	20.8	0.1202
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	25.09	21.79	0.1510
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	24.99	21.69	0.1476
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	24.9	21.6	0.1445
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	24.12	20.82	0.1208
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.01	20.71	0.1178
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	23.98	20.68	0.1169
78	30	80	650000	3750	DFT-s-OFDM QPSK	108@54	25	21.7	0.1479
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	24.91	21.61	0.1449
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@215	25.11	21.81	0.1517
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	108@54	24	20.7	0.1175
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.98	20.68	0.1169
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@215	24.14	20.84	0.1213
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	108@54	24.94	21.64	0.1459

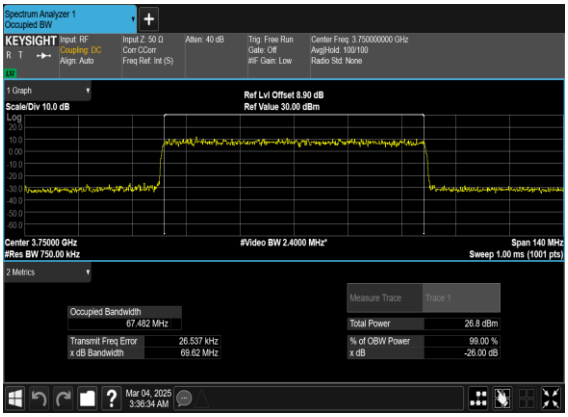
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	24.97	21.67	0.1469
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@215	25.07	21.77	0.1503
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	108@54	23.93	20.63	0.1156
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	24.04	20.74	0.1186
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@215	24.12	20.82	0.1208
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	25.11	21.81	0.1517
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.02	21.72	0.1486
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	25.09	21.79	0.1510
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	24.1	20.8	0.1202
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.08	20.78	0.1197
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	24.14	20.84	0.1213
78	30	90	650000	3750	DFT-s-OFDM QPSK	120@60	25.04	21.74	0.1493
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	24.94	21.64	0.1459
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@243	25.05	21.75	0.1496
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	120@60	24.04	20.74	0.1186
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.02	20.72	0.1180
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@243	24.11	20.81	0.1205
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	120@60	24.97	21.67	0.1469
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	24.89	21.59	0.1442
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@243	25.02	21.72	0.1486
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	120@60	23.94	20.64	0.1159
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	23.93	20.63	0.1156
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@243	24.04	20.74	0.1186
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.07	21.77	0.1503
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.24	21.94	0.1563
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.18	21.88	0.1542
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.03	21.73	0.1489
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.17	21.87	0.1538
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.2	21.9	0.1549
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.09	20.79	0.1199
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.19	20.89	0.1227
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	24.2	20.9	0.1230
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.62	19.32	0.0855
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.75	19.45	0.0881
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.76	19.46	0.0883
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.67	17.37	0.0546
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.65	17.35	0.0543
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.59	17.29	0.0536
78	30	100	650000	3750	CP-OFDM QPSK	137@68	23.58	20.28	0.1067
78	30	100	650000	3750	CP-OFDM QPSK	1@1	23.63	20.33	0.1079
78	30	100	650000	3750	CP-OFDM QPSK	1@271	23.59	20.29	0.1069

Occupied Bandwidth

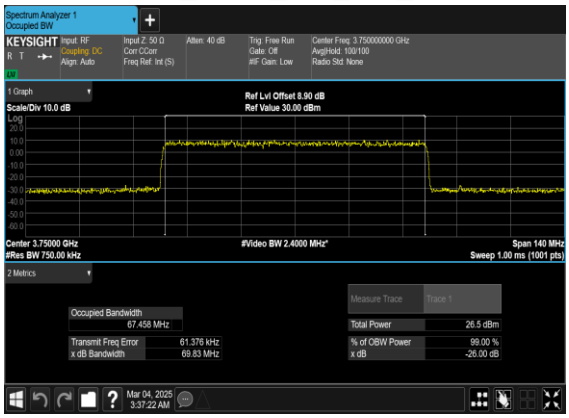
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.401	69.64
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.482	69.62
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.458	69.83
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.434	69.73
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.391	90.21
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.303	90.09
78	30	90	650000	3750.0	CP-OFDM 64 QAM	245@0	87.313	90.27
78	30	90	650000	3750.0	CP-OFDM 256 QAM	245@0	87.588	90.29

N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

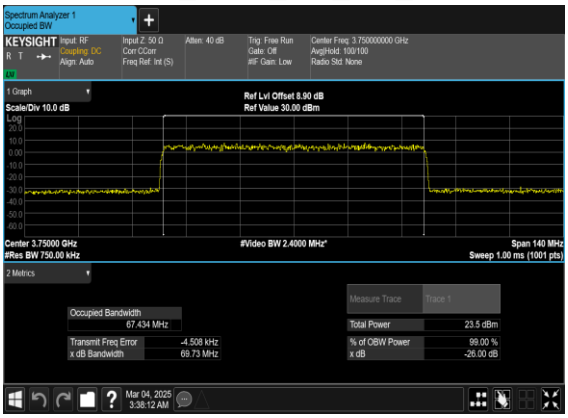
N78(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

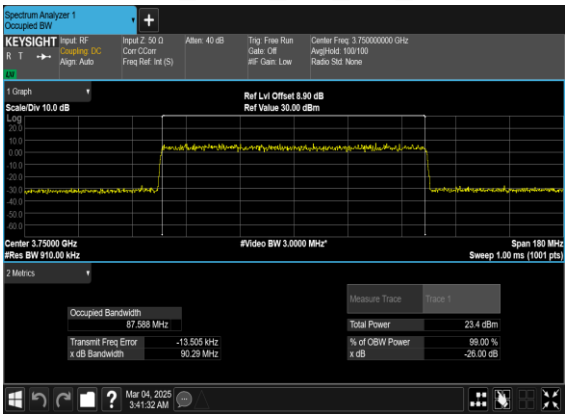


N78(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N78(90M)_CP-OFDM_16 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

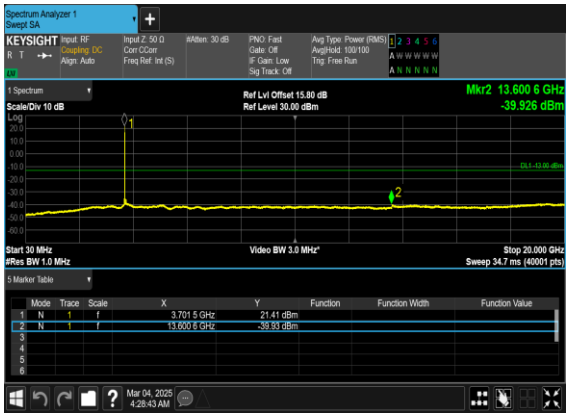


Conducted Spurious Emissions

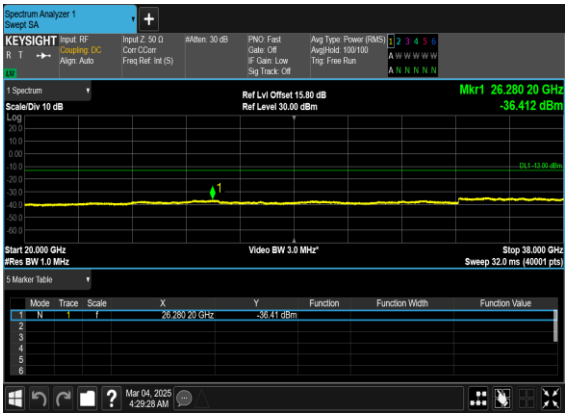
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	90	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	90	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

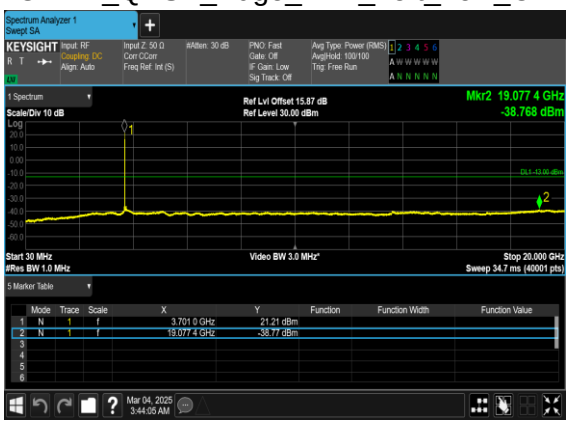
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



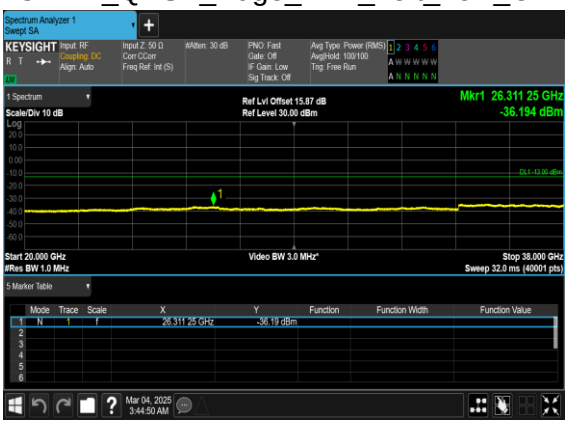
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



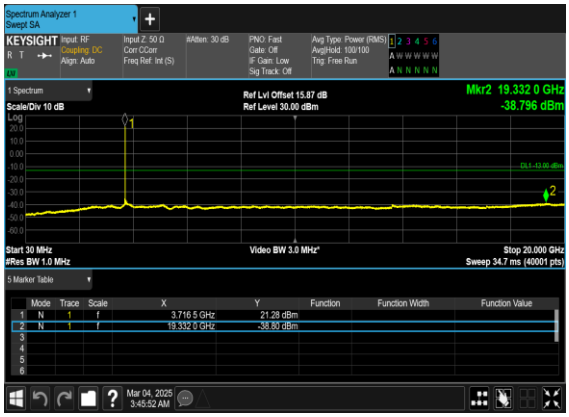
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



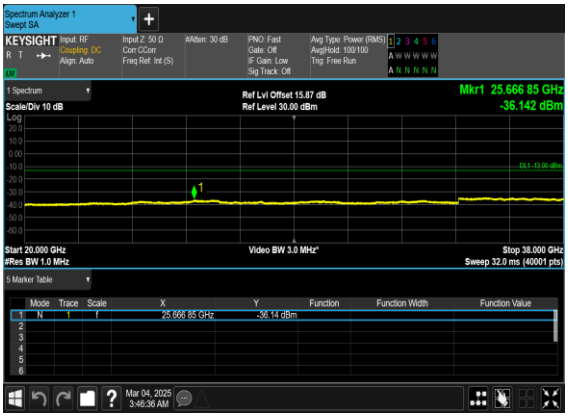
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



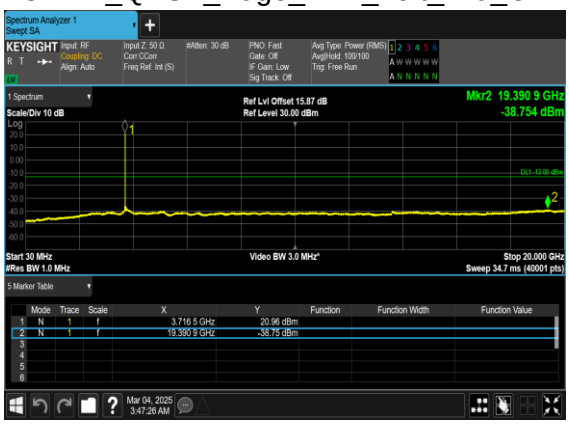
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



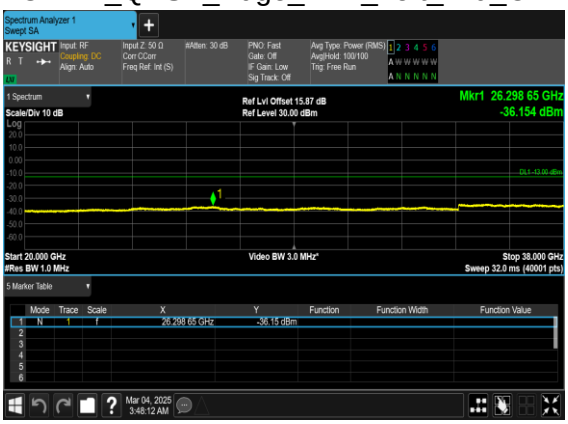
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



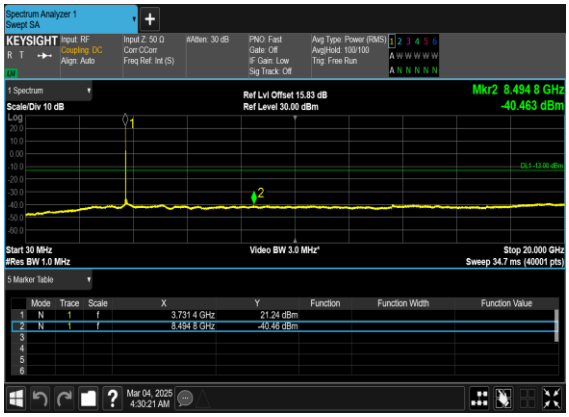
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



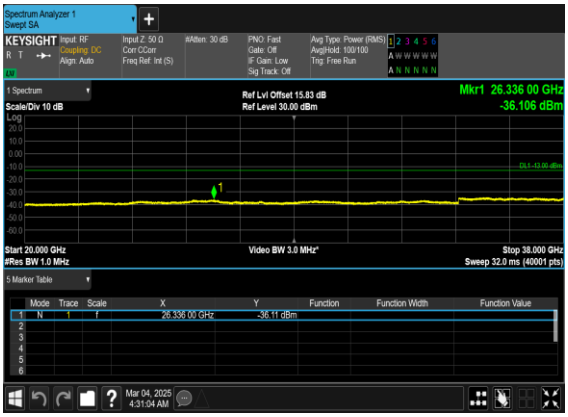
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



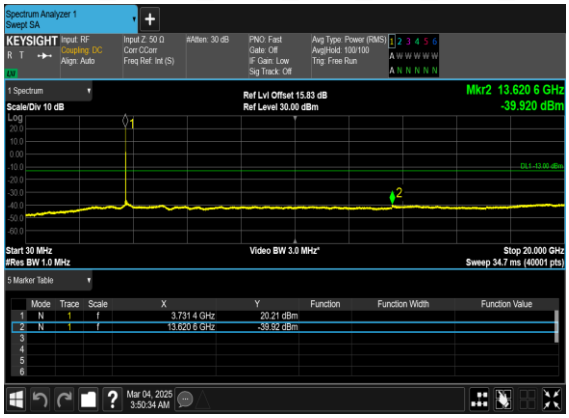
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



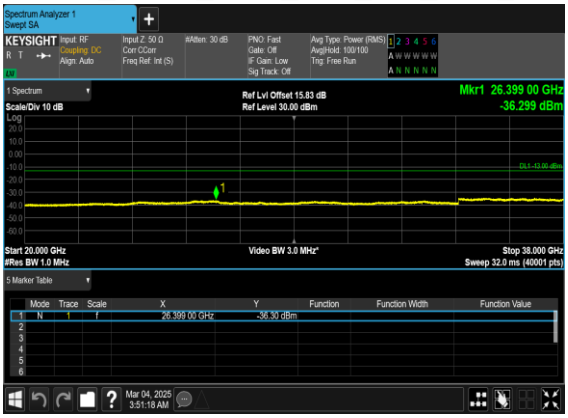
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



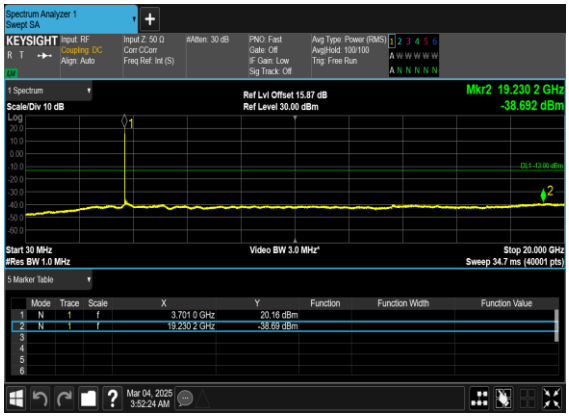
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



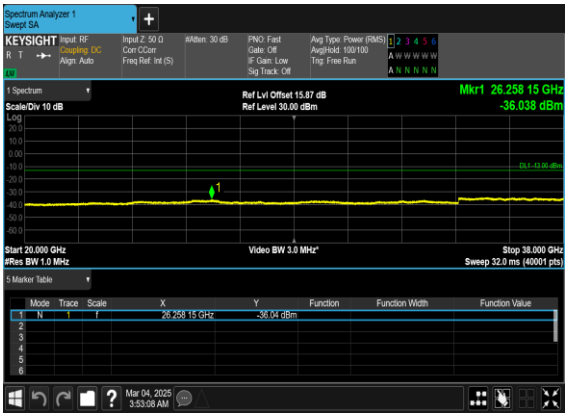
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



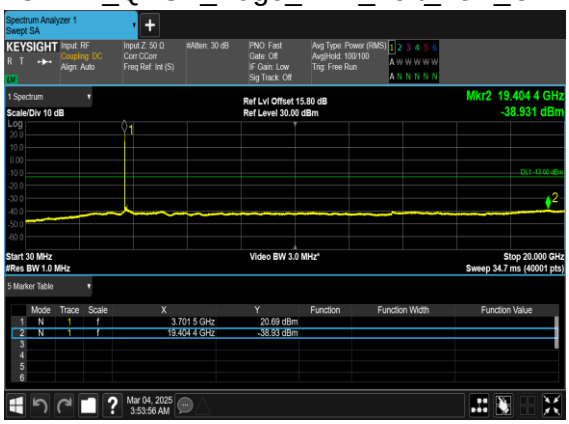
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



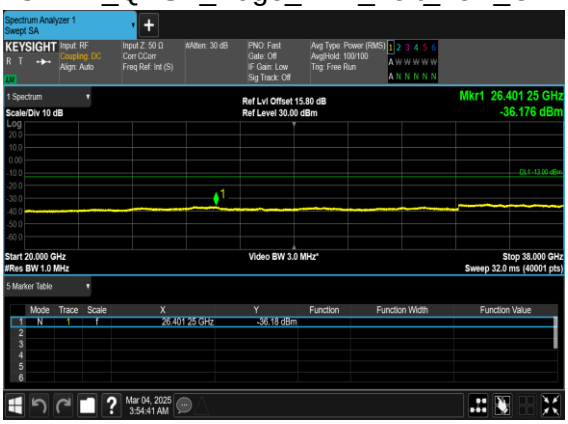
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



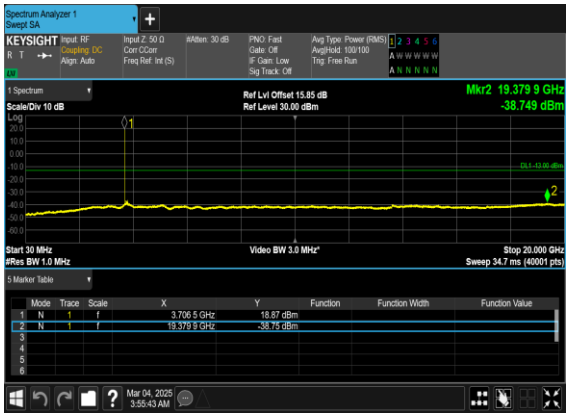
N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



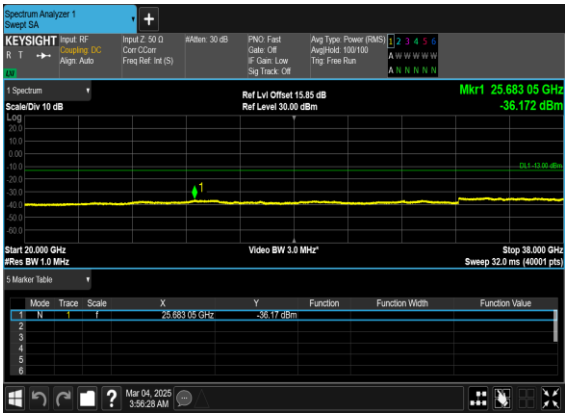
N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



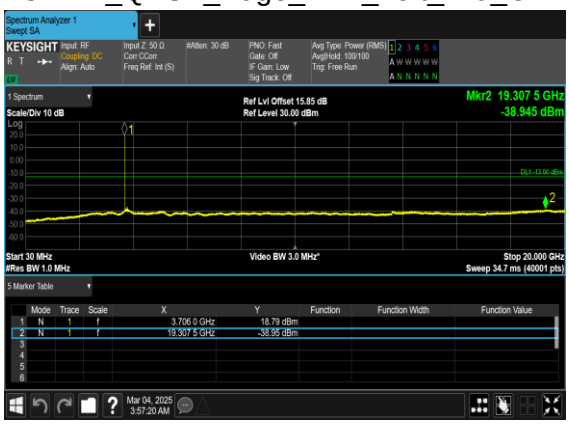
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



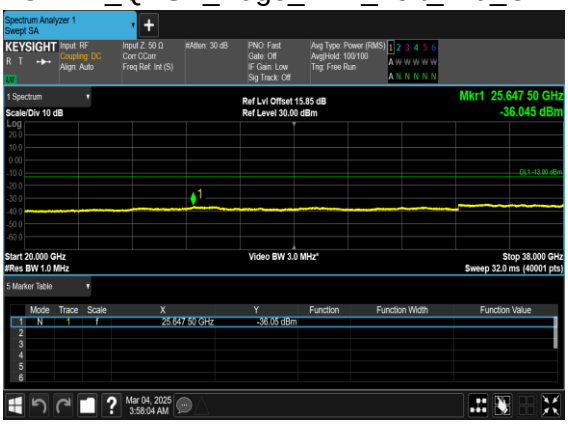
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



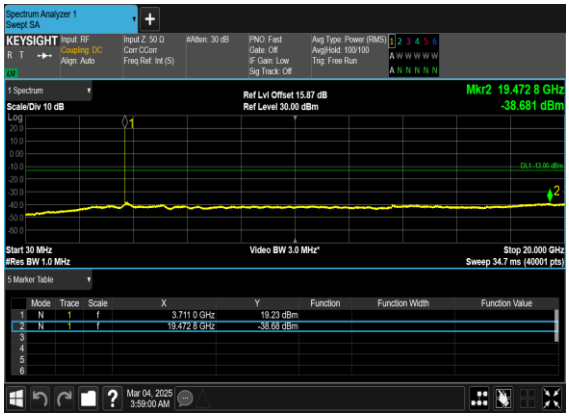
N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



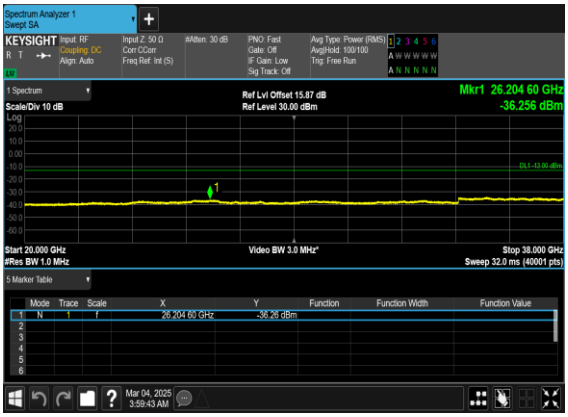
N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



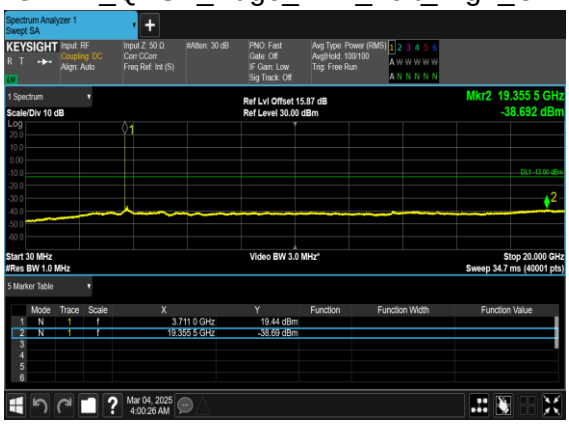
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



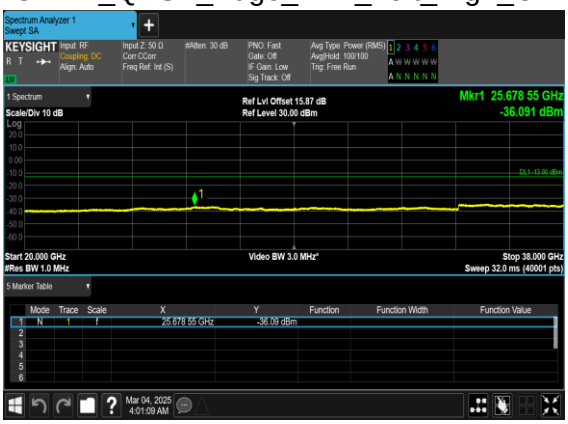
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



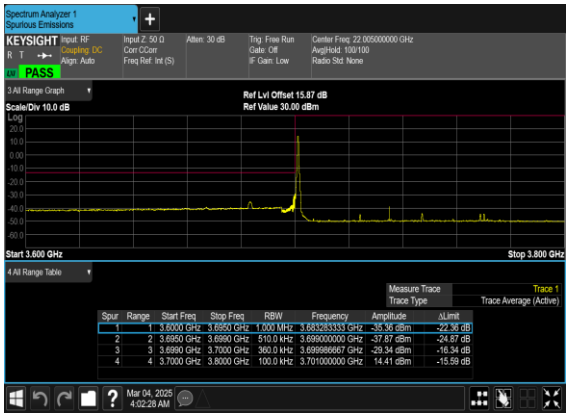
N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



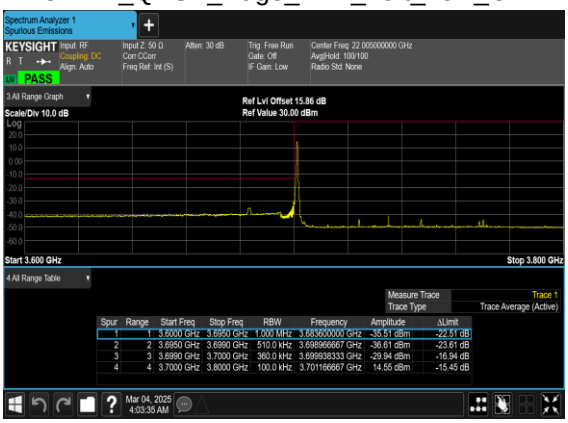
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	180@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	180@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@188	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@188	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	180@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	180@0	see graph	**PASS**
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	240@0	see graph	**PASS**
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	240@0	see graph	**PASS**
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@244	see graph	**PASS**
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@244	see graph	**PASS**
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	240@0	see graph	**PASS**
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	240@0	see graph	**PASS**

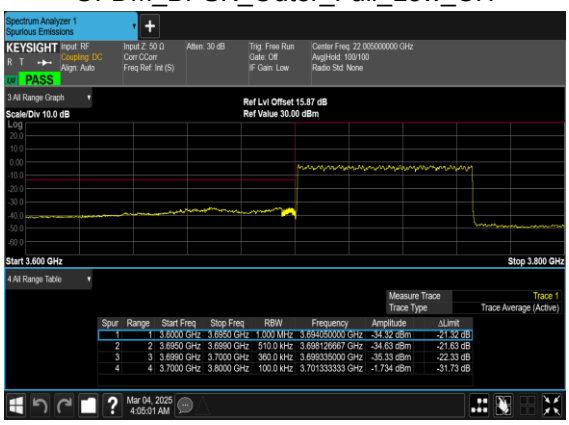
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



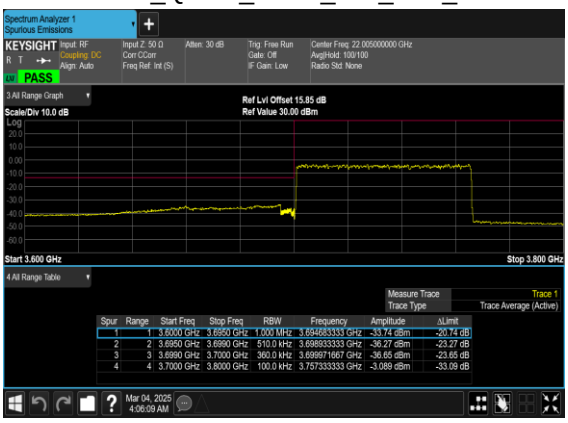
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



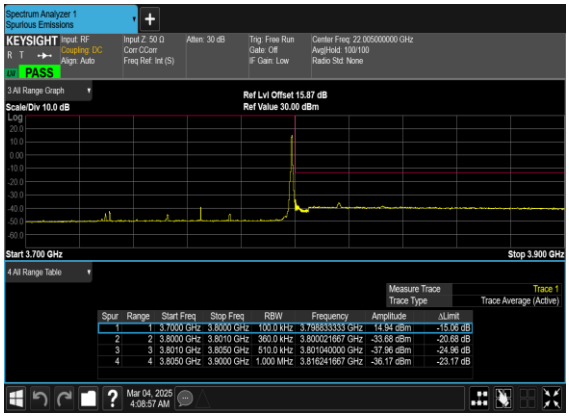
N78(70M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



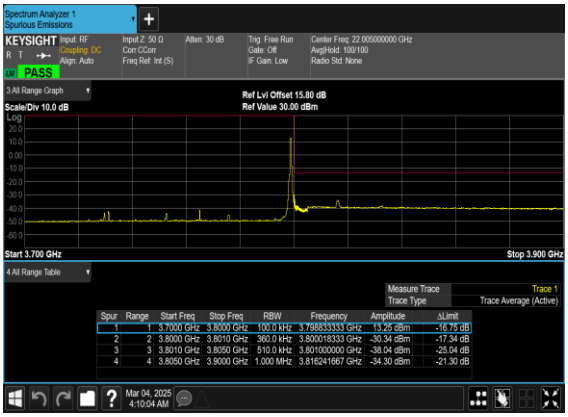
N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



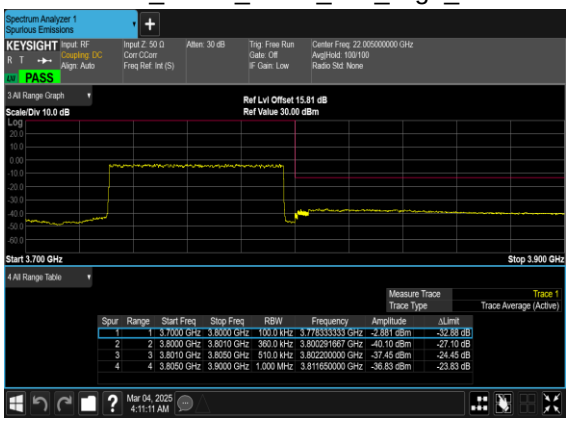
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



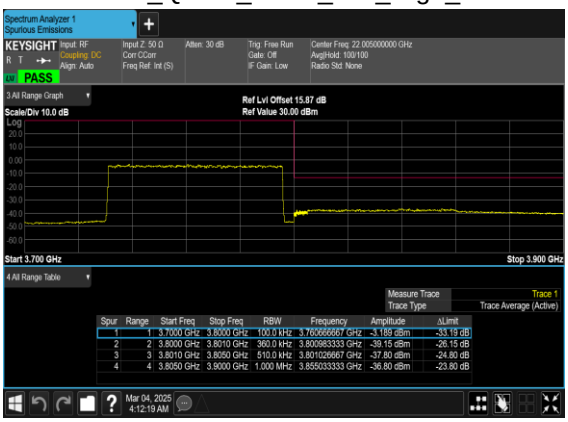
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N78(70M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



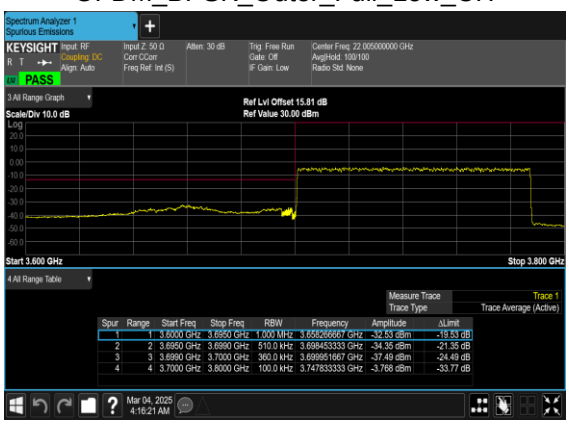
N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



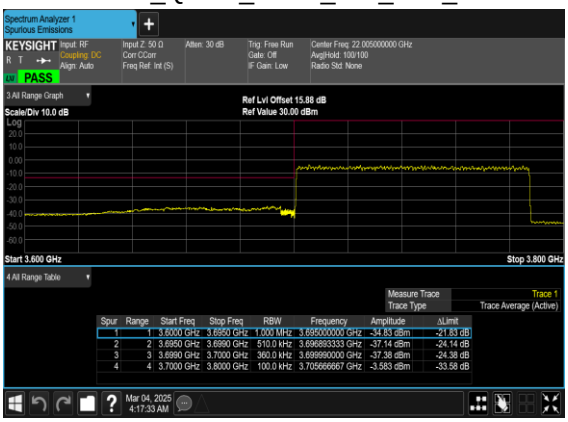
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N78(90M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



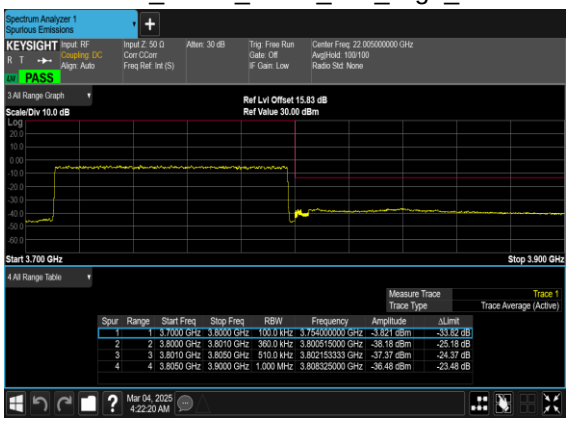
N78(90M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



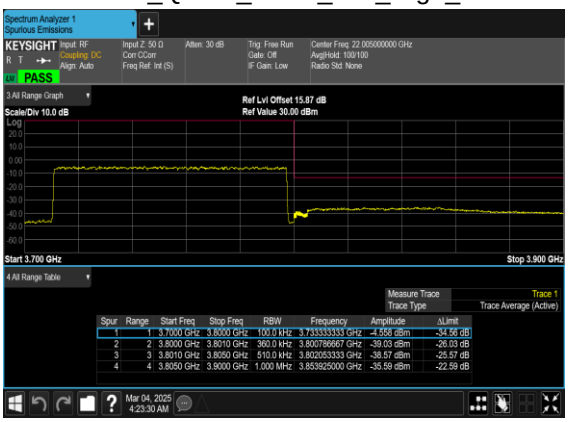
N78(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N78(90M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N78(90M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N78(90M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	Temperature :	22~25℃
		Relative Humidity :	48~52%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

SA n77 / NR 100MHz / QPSK DFT-s-OFDM / ANT3									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7584.00	-59.32	-13	-46.32	-65.25	-62.62	8.30	11.60	H
	11376.00	-53.76	-13	-40.76	-68.53	-55.28	10.48	12.00	H
	15168.00	-52.45	-13	-39.45	-69.47	-54.15	11.80	13.50	H
	7584.00	-54.22	-13	-41.22	-60.11	-57.52	8.30	11.60	V
	11376.00	-53.18	-13	-40.18	-67.68	-54.70	10.48	12.00	V
	15168.00	-52.92	-13	-39.92	-69.29	-54.62	11.80	13.50	V

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

EN-DC_41A_n77 / LTE 10MHz + NR 100MHz / QPSK / ANT7(LTE) & ANT3 (NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	7584.00	-58.63	-13	-45.63	-64.56	-61.93	8.30	11.60	H
	11376.00	-52.11	-13	-39.11	-66.88	-53.63	10.48	12.00	H
	15168.00	-50.83	-13	-37.83	-67.85	-52.53	11.80	13.50	H
	7584.00	-51.66	-13	-38.66	-57.55	-54.96	8.30	11.60	V
	11376.00	-47.61	-13	-34.61	-62.11	-49.13	10.48	12.00	V
	15168.00	-51.89	-13	-38.89	-68.26	-53.59	11.80	13.50	V
LTE Band41 Middle	5186.00	-60.29	-25	-35.29	-82.09	-65.85	7.14	12.70	H
	7779.00	-58.87	-25	-33.87	-65.18	-62.17	8.30	11.60	H
	10372.00	-55.98	-25	-30.98	-67.65	-57.50	10.48	12.00	H
	5186.00	-57.33	-25	-32.33	-79.42	-62.89	7.14	12.70	V
	7779.00	-56.86	-25	-31.86	-57.55	-60.16	8.30	11.60	V
	10372.00	-56.30	-25	-31.30	-67.14	-57.82	10.48	12.00	V

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