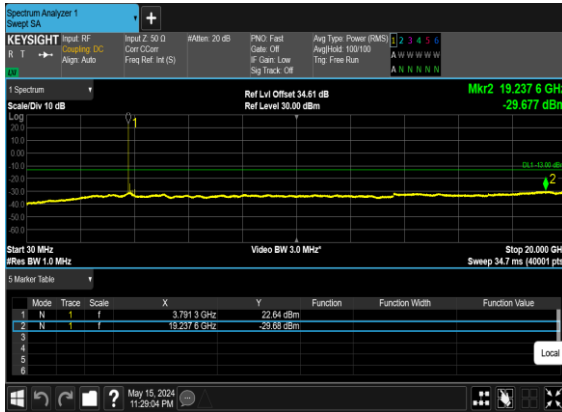




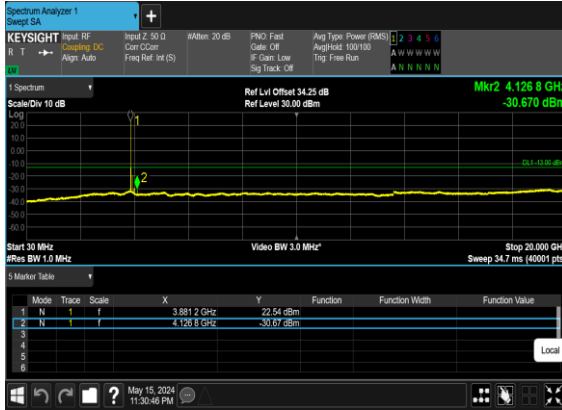
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



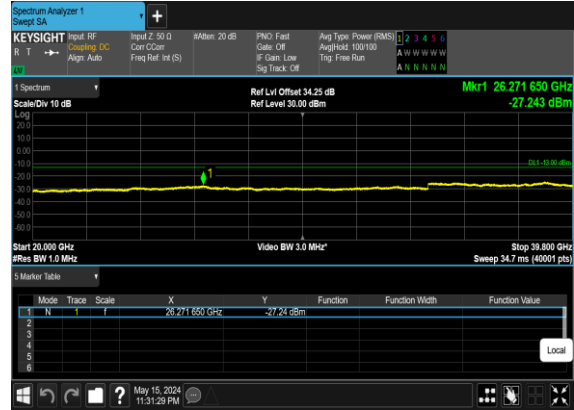
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



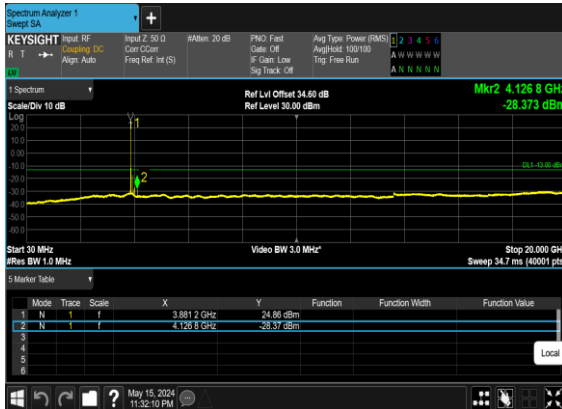
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



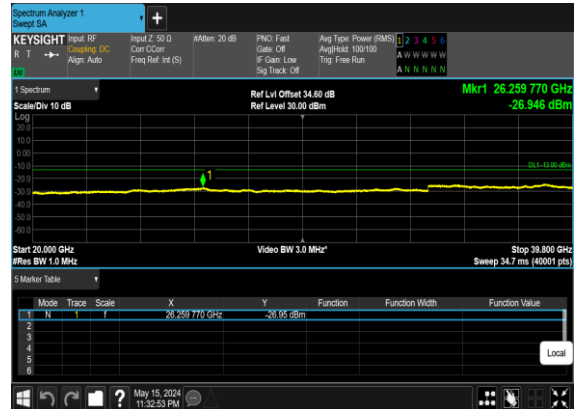
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



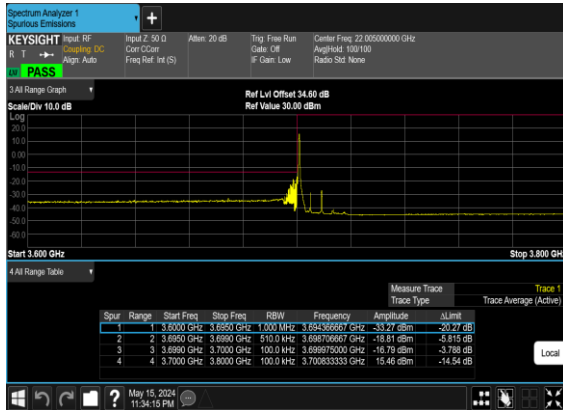


Conducted Band Edge

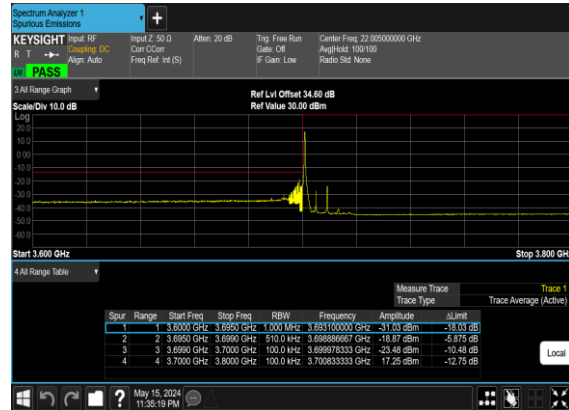
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	PASS



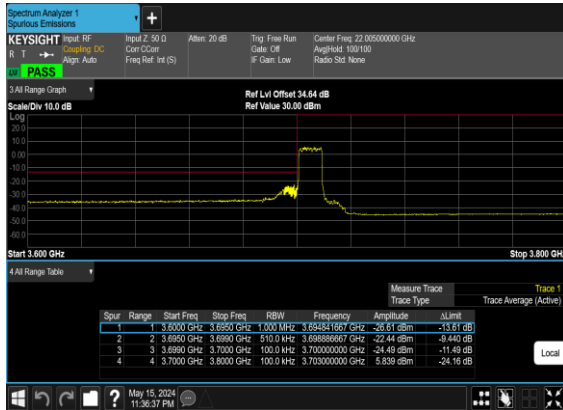
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



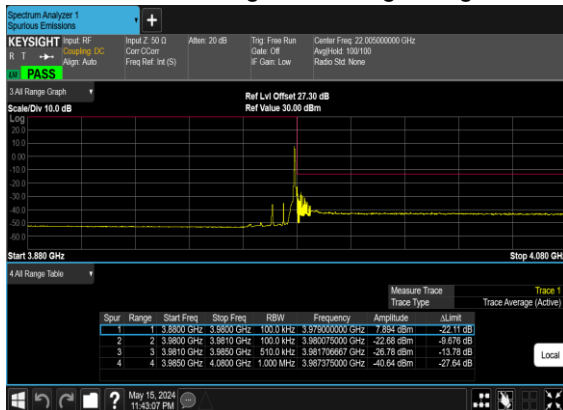
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



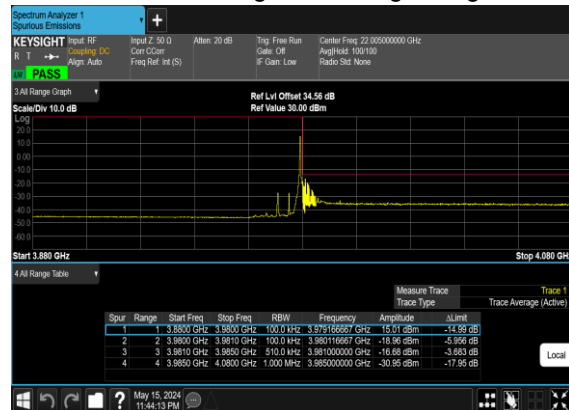
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

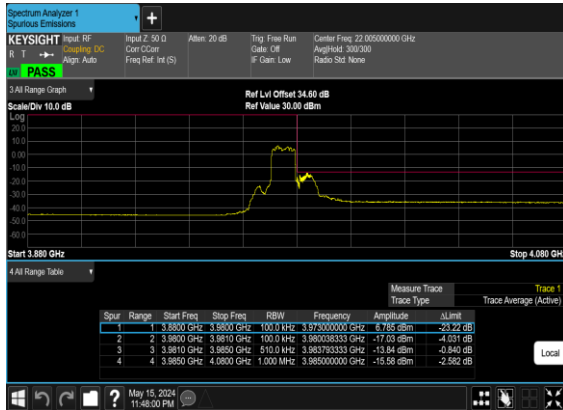


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH





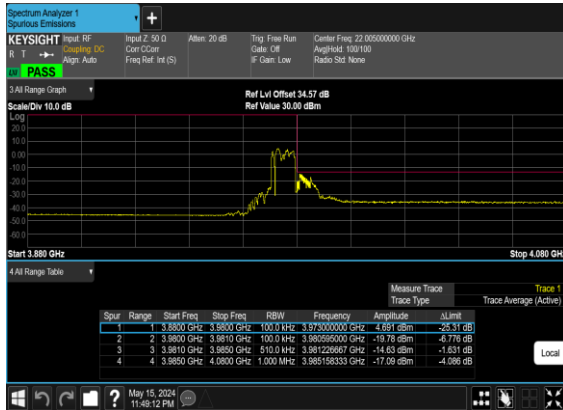
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



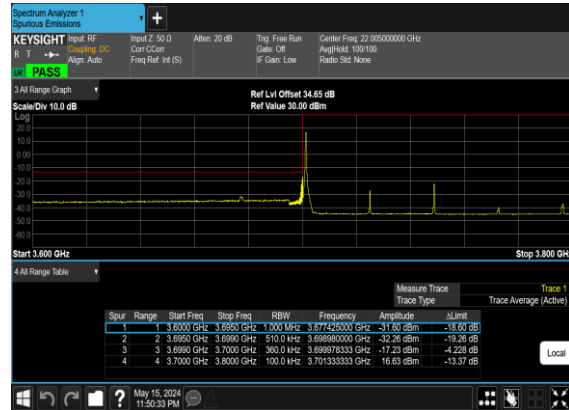
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH_CHP_PASS



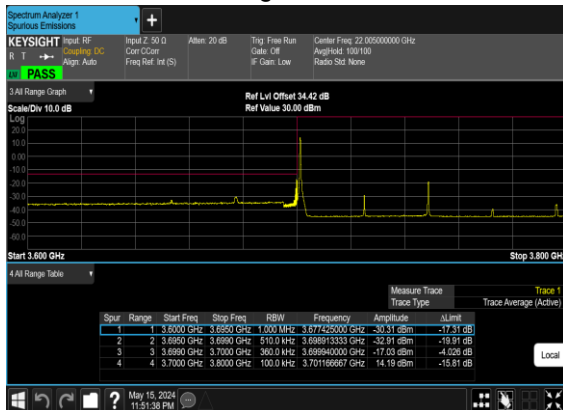
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



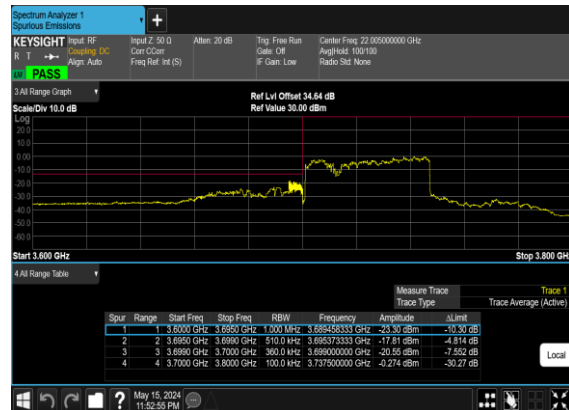
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

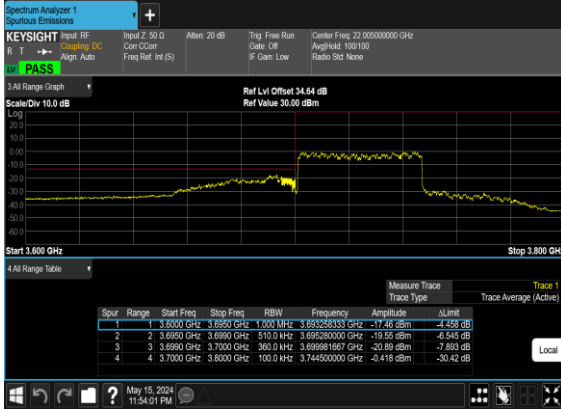


N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

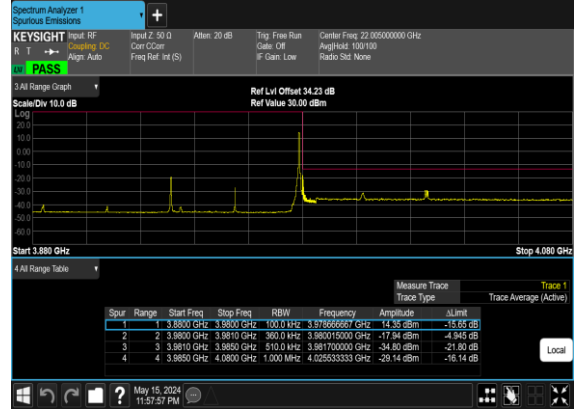




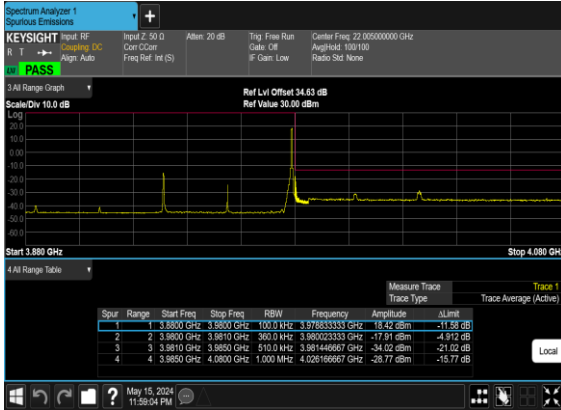
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



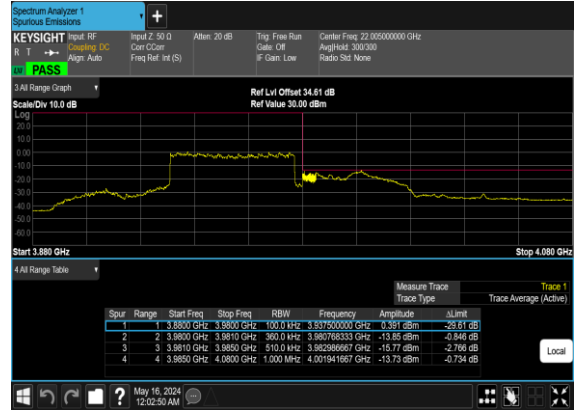
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



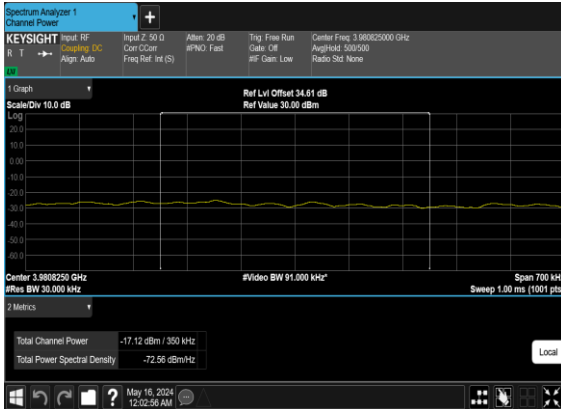
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



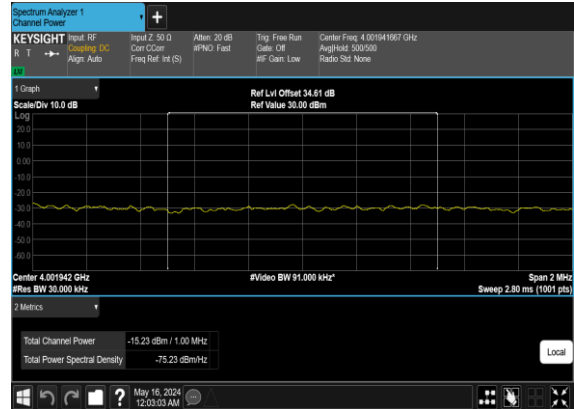
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH_CHP_PASS



N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH_CHP_PASS

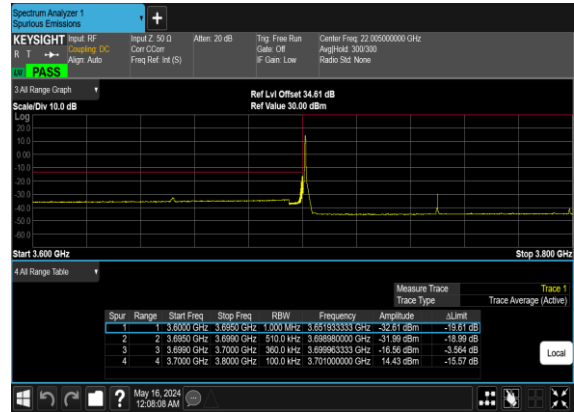




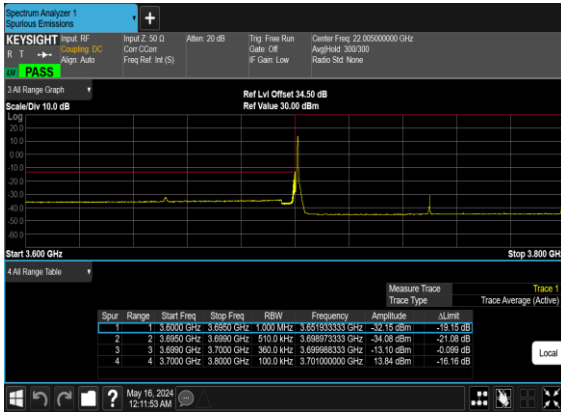
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



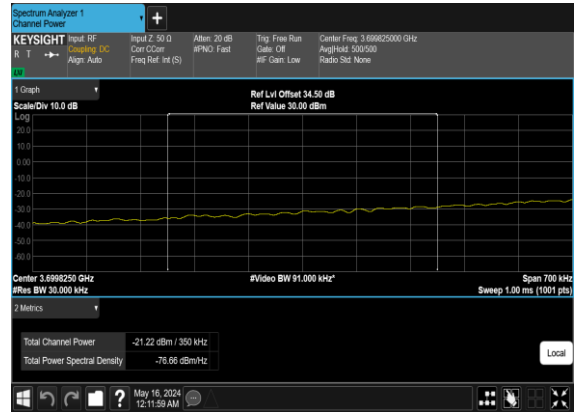
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



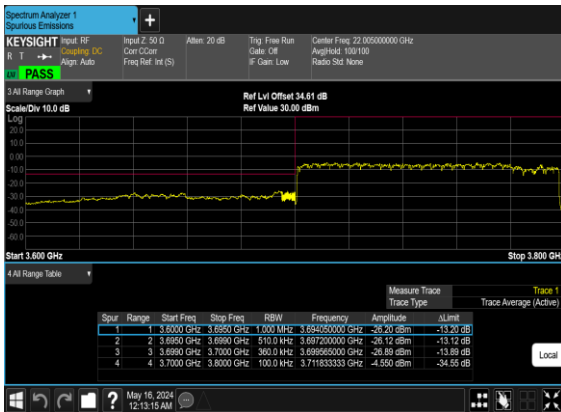
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



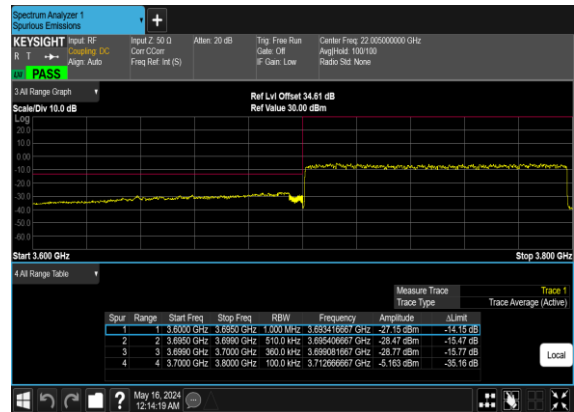
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

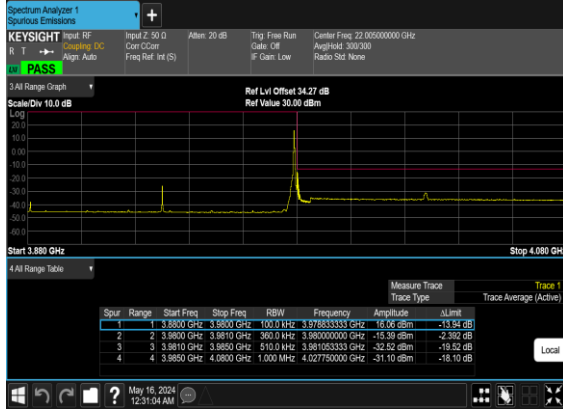


N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

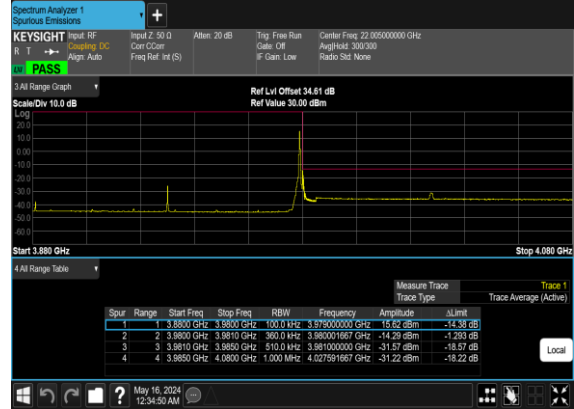




N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



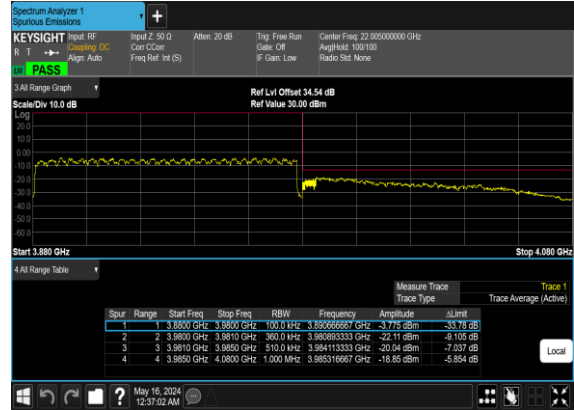
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





FR1 N78-SCS 30k

Transmitter Conducted Output Power And EIRP, (G_T - L_c)=-3.9dB_i

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.82	21.92	0.1556
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.36	21.46	0.1400
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.92	22.02	0.1592
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.94	22.04	0.1600
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.25	21.35	0.1365
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.87	21.97	0.1574
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	26.13	22.23	0.1671
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.1	20.2	0.1047
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	26.21	22.31	0.1702
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	26.1	22.2	0.1660
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.88	20.98	0.1253
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	25.92	22.02	0.1592
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	24.86	20.96	0.1247
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	23.99	20.09	0.1021
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	24.67	20.77	0.1194
78	30	100	650000	3750	CP-OFDM QPSK	137@68	25.98	22.08	0.1614
78	30	100	650000	3750	CP-OFDM QPSK	1@1	25.45	21.55	0.1429
78	30	100	650000	3750	CP-OFDM QPSK	1@271	24.5	20.6	0.1148
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	23.47	19.57	0.0906
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	23.36	19.46	0.0883
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	23.4	19.5	0.0891
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.2	22.3	0.1698
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	26.22	22.32	0.1706
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.35	22.45	0.1758
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	25	21.1	0.1288
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	24.93	21.03	0.1268
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	25.08	21.18	0.1312
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	23.98	20.08	0.1019
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	23.9	20	0.1000
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.03	20.13	0.1030
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.82	22.92	0.1959
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	26.73	22.83	0.1919
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.85	22.95	0.1972
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	25.16	21.26	0.1337
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	25.06	21.16	0.1306
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	25.2	21.3	0.1349
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	24.61	20.71	0.1178
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	24.52	20.62	0.1153



78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.83	20.93	0.1239
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.48	23.58	0.2280
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	27.38	23.48	0.2228
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	27.77	23.87	0.2438
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	25.53	21.63	0.1455
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.56	21.66	0.1466
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.64	21.74	0.1493
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	23.92	20.02	0.1005
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	24.02	20.12	0.1028
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.12	20.22	0.1052
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.21	23.31	0.2143
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	27.43	23.53	0.2254
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	27.51	23.61	0.2296
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	25.15	21.25	0.1334
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	25.18	21.28	0.1343
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	25.35	21.45	0.1396
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	24.83	20.93	0.1239
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	24.74	20.84	0.1213
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.91	21.01	0.1262
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.31	23.41	0.2193
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	27.45	23.55	0.2265
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	27.25	23.35	0.2163
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	25.55	21.65	0.1462
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	25.45	21.55	0.1429
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	25.54	21.64	0.1459
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	25.37	21.47	0.1403
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.29	21.39	0.1377
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.37	21.47	0.1403
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.63	23.73	0.2360
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	27.75	23.85	0.2427
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	27.86	23.96	0.2489
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	25.01	21.11	0.1291
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	24.91	21.01	0.1262
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	25.01	21.11	0.1291
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	24.62	20.72	0.1180
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	24.55	20.65	0.1161
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.7	20.8	0.1202
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.87	23.97	0.2495
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	27.59	23.69	0.2339
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	27.66	23.76	0.2377
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	24.39	20.49	0.1119
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	24.29	20.39	0.1094
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.29	20.39	0.1094
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	23.68	19.78	0.0951
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	23.6	19.7	0.0933



78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.69	19.79	0.0953
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.88	23.98	0.2500
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	27.79	23.89	0.2449
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	27.12	23.22	0.2099
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	25.05	21.15	0.1303
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	24.98	21.08	0.1282
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	25.14	21.24	0.1330
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	22.84	18.94	0.0783
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	22.79	18.89	0.0774
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	22.15	18.25	0.0668
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.11	23.21	0.2094
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	27.04	23.14	0.2061
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.55	22.65	0.1841
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	25.97	22.07	0.1611
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	26.08	22.18	0.1652
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	25.43	21.53	0.1422
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	24.17	20.27	0.1064
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	24.21	20.31	0.1074
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.46	20.56	0.1138
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.18	23.28	0.2128
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	27.08	23.18	0.2080
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	27.39	23.49	0.2234
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	27.28	23.38	0.2178
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	27.17	23.27	0.2123
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	27.46	23.56	0.2270
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	24.91	21.01	0.1262
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24.92	21.02	0.1265
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.18	21.28	0.1343
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.72	23.82	0.2410
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	27.63	23.73	0.2360
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	27.91	24.01	0.2518
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	27.78	23.88	0.2443
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	27.88	23.98	0.2500
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	27.80	23.9	0.2455



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	0.0066	PASS	NV
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	-0.0019	PASS	LV
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	-0.0072	PASS	HV
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	-0.0030	PASS	-30°C
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	-0.0049	PASS	-20°C
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	-0.0052	PASS	-10°C
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	-0.0063	PASS	0°C
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	-0.0019	PASS	10°C
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	0.0023	PASS	20°C
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	-0.0009	PASS	30°C
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	-0.0037	PASS	40°C
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	0.0025	PASS	50°C



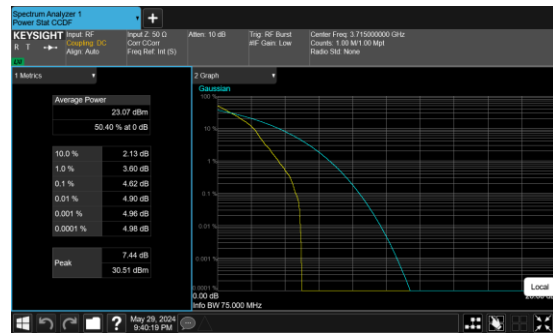
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	180@0	6.96	13	PASS
78	30	70	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@0	4.62	13	PASS
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	180@0	7.99	13	PASS
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	5.29	13	PASS

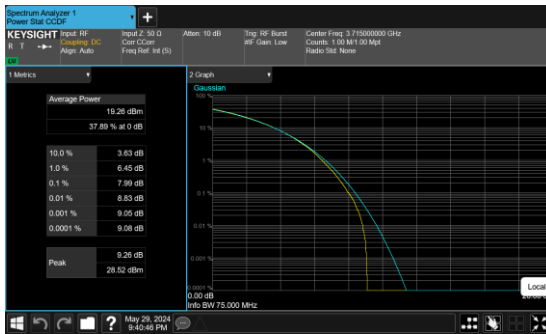
N78(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N78(70M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

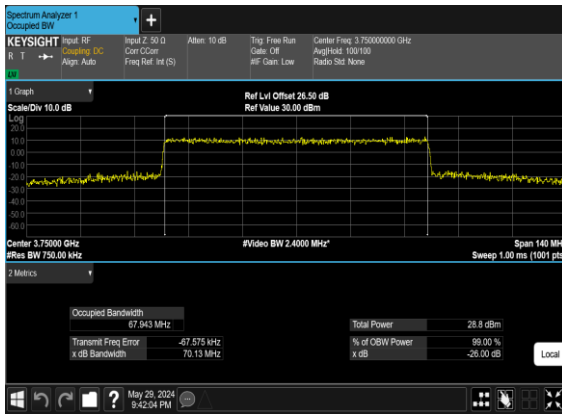




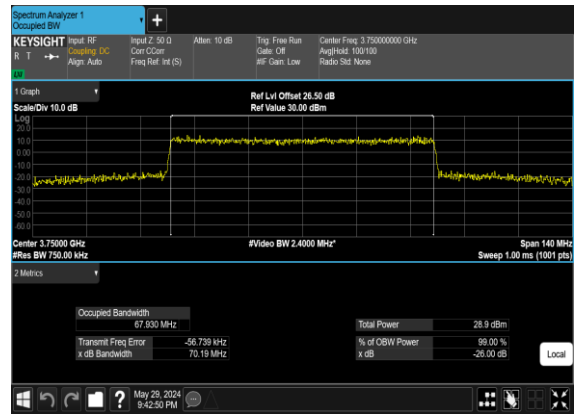
Occupied Bandwidth

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	67.943	70.13
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.93	70.19
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.87	70.21
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.861	70.11

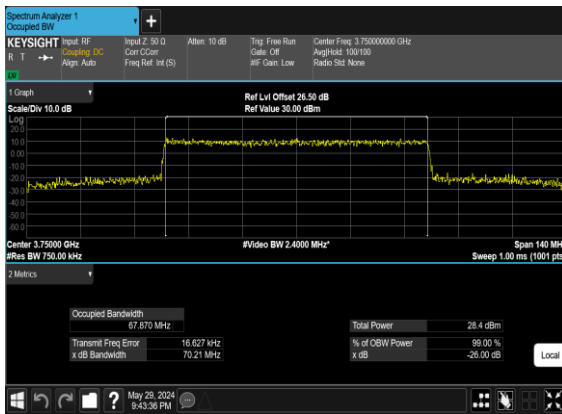
N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



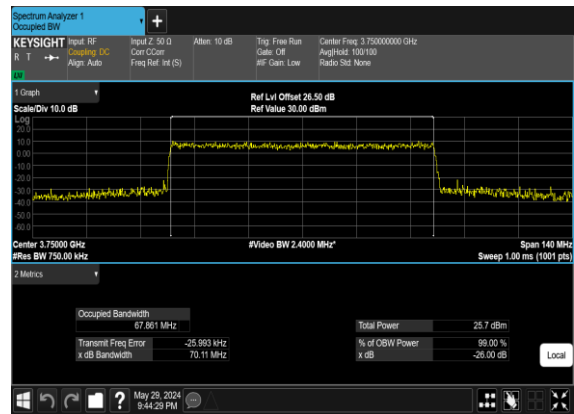
N78(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

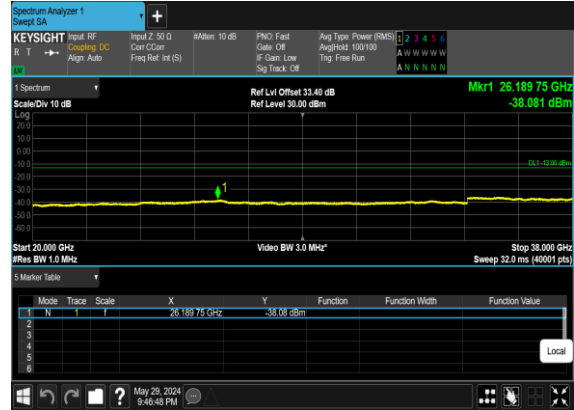
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	---
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



N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



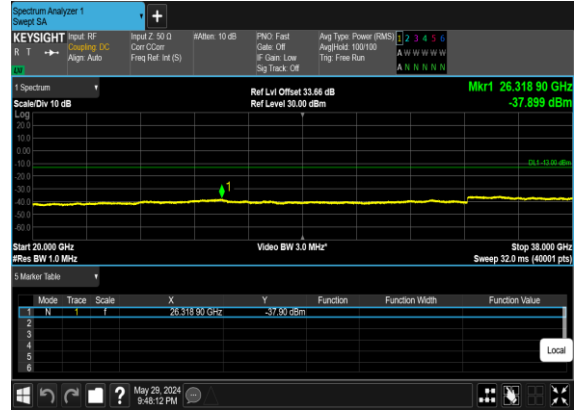
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



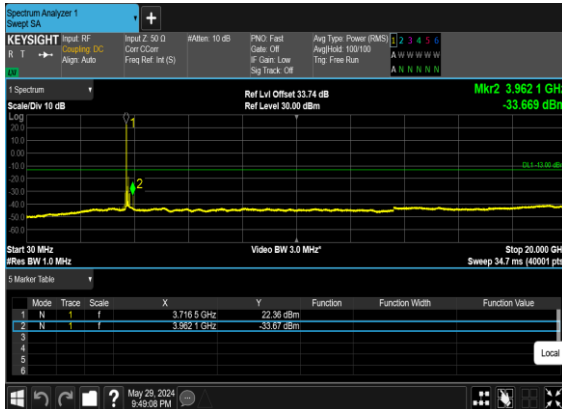
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

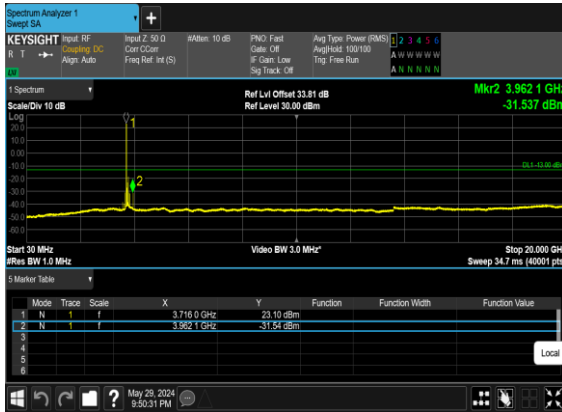


N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

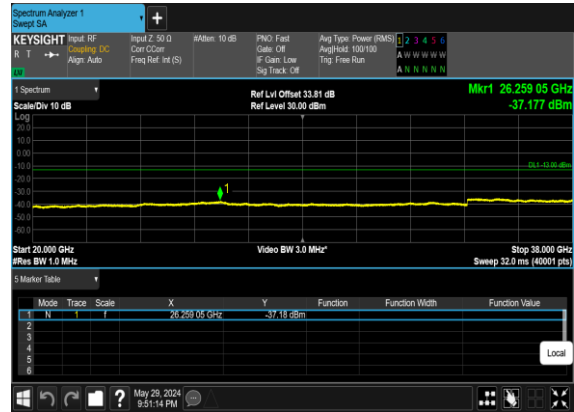




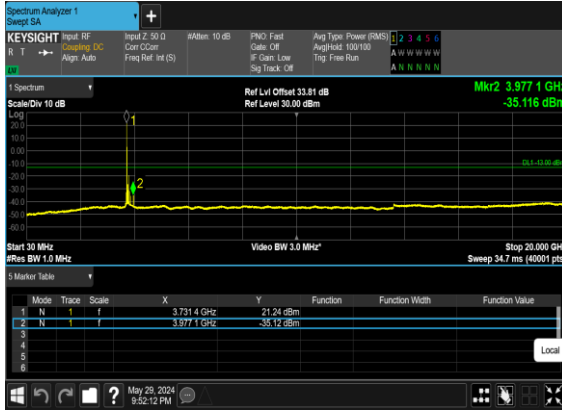
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



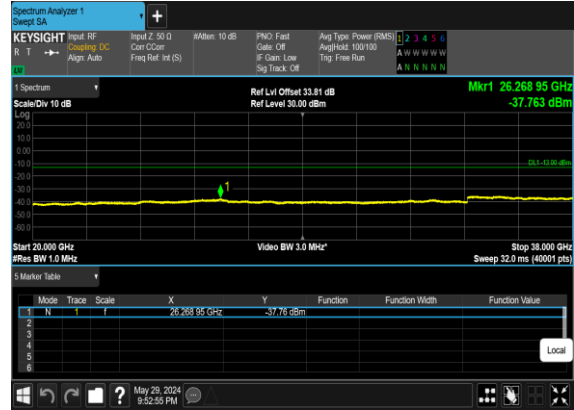
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



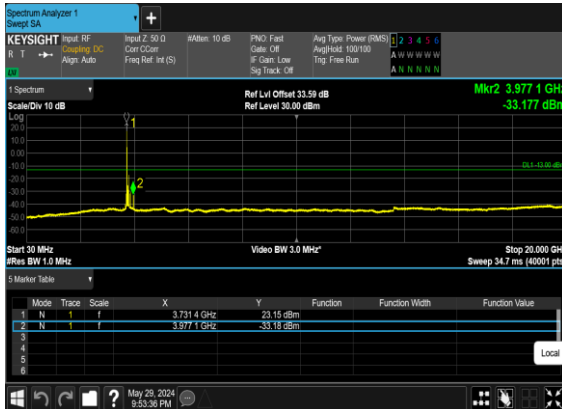
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



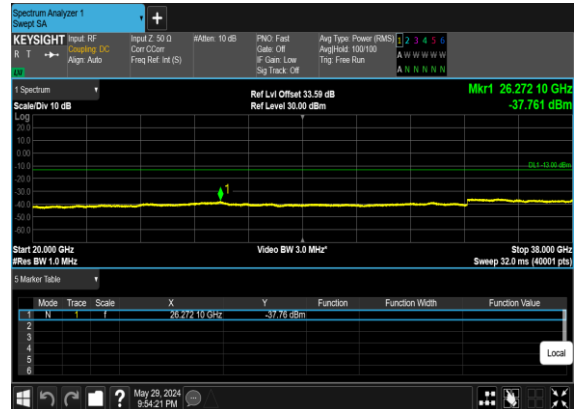
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH





Conducted Band Edge

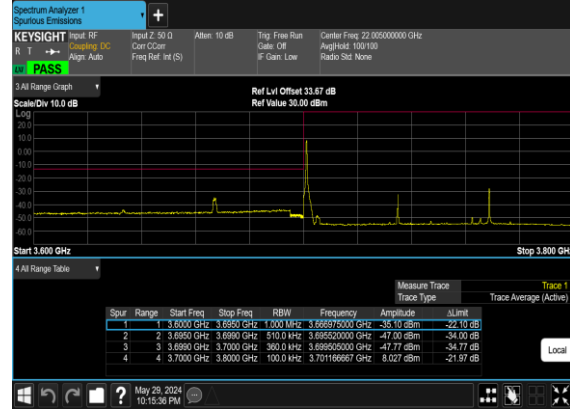
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	180@0	see graph	PASS
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	180@0	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



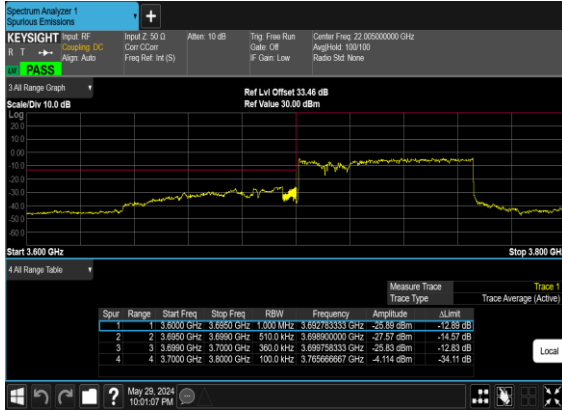
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



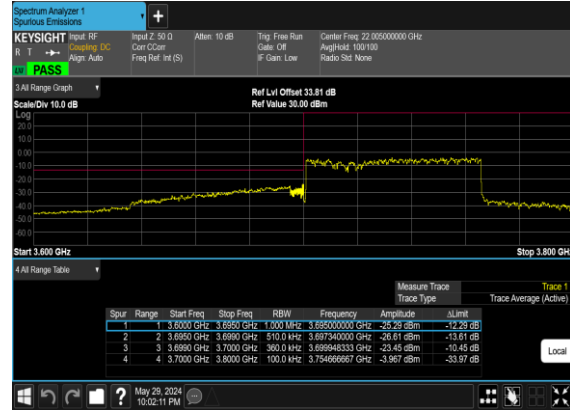
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



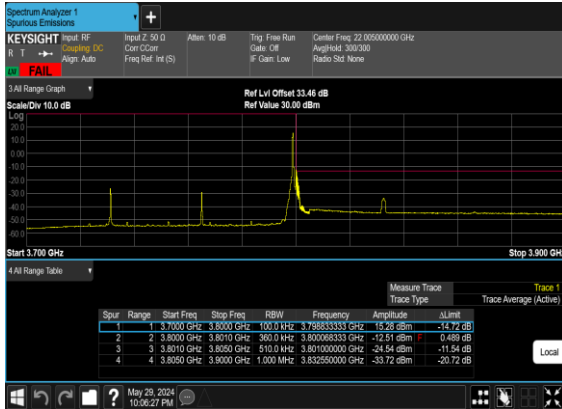
N78(70M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



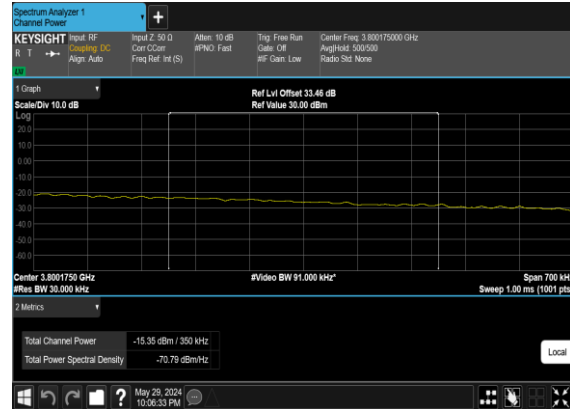
N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

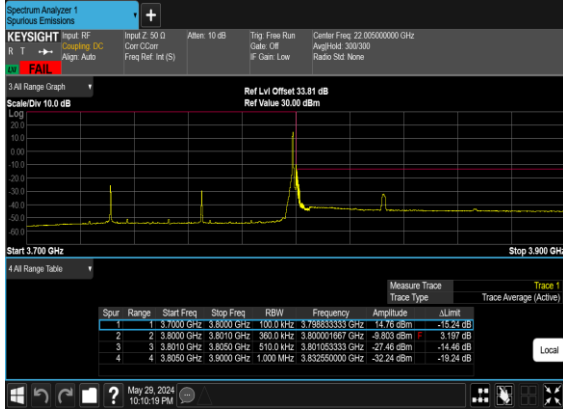


N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS





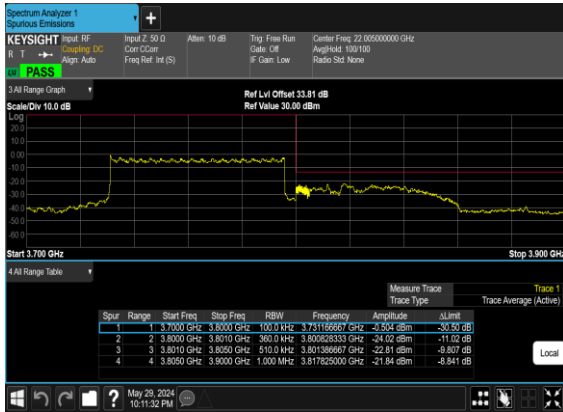
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



N78(70M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Ried Huang	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

DC_7A_n5A // LTE 20MHz + NR 100MHz / QPSK / ANT 4/0									
Channel	Frequency (MHz)	ERP/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 n5 Middle	1654.5	-67.64	-13	-54.64	-73.92	-73.04	4.00	9.40	H
	2481.75	-65.53	-13	-52.53	-75.85	-71.25	4.88	10.60	H
	3309	-64.30	-13	-51.30	-76.63	-71.38	5.52	12.60	H
	1654.5	-67.52	-13	-54.52	-73.65	-72.92	4.00	9.40	V
	2481.75	-64.68	-13	-51.68	-75.36	-70.40	4.88	10.60	V
	3309	-63.28	-13	-50.28	-76.05	-70.36	5.52	12.60	V
LTE Band7 Middle	5052.18	-62.44	-25	-37.44	-79.86	-68.00	7.14	12.70	H
	7578.27	-56.36	-25	-31.36	-78.55	-59.66	8.30	11.60	H
	10104.36	-52.55	-25	-27.55	-79.64	-54.07	10.48	12.00	H
	5052.18	-62.24	-25	-37.24	-79.59	-67.80	7.14	12.70	V
	7578.27	-56.70	-25	-31.70	-78.69	-60.00	8.30	11.60	V
	10104.36	-52.83	-25	-27.83	-79.43	-54.35	10.48	12.00	V

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

n41 SA / NR 100MHz / QPSK / ANT 4									
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	5089.00	-53.11	-25	-28.11	-70.56	-58.67	7.14	12.70	H
	7633.50	-53.04	-25	-28.04	-75.30	-56.34	8.30	11.60	H
	10178.00	-47.21	-25	-22.21	-74.27	-48.73	10.48	12.00	H
	5089.00	-46.87	-25	-21.87	-64.25	-52.43	7.14	12.70	V
	7633.50	-53.12	-25	-28.12	-75.19	-56.42	8.30	11.60	V
	10178.00	-49.32	-25	-24.32	-75.97	-50.84	10.48	12.00	V

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



DC_5A_n41A // LTE 20MHz + NR 100MHz / QPSK / ANT 0+4									
Channel	Frequency (MHz)	ERP/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 41 Middle	5089.00	-51.68	-25	-26.68	-69.13	-57.24	7.14	12.70	H
	7633.50	-51.16	-25	-26.16	-73.42	-54.46	8.30	11.60	H
	10178.00	-50.39	-25	-25.39	-77.45	-51.91	10.48	12.00	H
	5089.00	-46.24	-25	-21.24	-63.62	-51.80	7.14	12.70	V
	7633.50	-52.14	-25	-27.14	-74.21	-55.44	8.30	11.60	V
	10178.00	-51.33	-25	-26.33	-77.98	-52.85	10.48	12.00	V
LTE Band5 Middle	1664.18	-66.97	-13	-53.97	-73.22	-72.37	4.00	9.40	H
	2496.27	-64.88	-13	-51.88	-75.17	-70.60	4.88	10.60	H
	3328.36	-63.94	-13	-50.94	-76.11	-71.02	5.52	12.60	H
	1664.18	-67.20	-13	-54.20	-73.22	-72.60	4.00	9.40	V
	2496.27	-64.78	-13	-51.78	-75.41	-70.50	4.88	10.60	V
	3328.36	-63.57	-13	-50.57	-76.15	-70.65	5.52	12.60	V

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

n77 SA / NR 100MHz / QPSK / ANT 5									
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	-55.51	-13	-42.51	-52.38	-58.81	8.30	11.60	H
	11376.00	-52.10	-13	-39.10	-57.77	-53.62	10.48	12.00	H
	15168.00	-54.05	-13	-41.05	-59.22	-55.75	11.80	13.50	H
	7584.00	-54.54	-13	-41.54	-51.2	-57.84	8.30	11.60	V
	11376.00	-52.61	-13	-39.61	-58.09	-54.13	10.48	12.00	V
	15168.00	-53.80	-13	-40.80	-59.28	-55.50	11.80	13.50	V

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

DC_7A_n77A // LTE 10MHz + NR 100MHz / QPSK / ANT 1+5									
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 77 Middle	7584.00	-56.10	-13	-43.10	-52.97	-59.40	8.30	11.60	H
	11376.00	-52.47	-13	-39.47	-58.14	-53.99	10.48	12.00	H
	15168.00	-53.48	-13	-40.48	-58.65	-55.18	11.80	13.50	H
	7584.00	-56.62	-13	-43.62	-53.28	-59.92	8.30	11.60	V
	11376.00	-52.82	-13	-39.82	-58.3	-54.34	10.48	12.00	V
	15168.00	-53.61	-13	-40.61	-59.09	-55.31	11.80	13.50	V
LTE Band7 Middle	5061.18	-63.69	-25	-38.69	-56.19	-69.25	7.14	12.70	H
	7591.77	-59.27	-25	-34.27	-56.10	-62.57	8.30	11.60	H
	10122.36	-55.19	-25	-30.19	-56.20	-56.71	10.48	12.00	H
	5061.18	-63.87	-25	-38.87	-56.3	-69.43	7.14	12.70	V
	7591.77	-59.54	-25	-34.54	-56.15	-62.84	8.30	11.60	V
	10122.36	-56.02	-25	-31.02	-56.56	-57.54	10.48	12.00	V

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



DC_41A_n77A // LTE 10MHz + NR 100MHz / QPSK / ANT 1+5									
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 77 Middle	7582.36	-57.57	-13	-44.57	-65.88	-60.87	8.30	11.60	H
	11373.54	-54.84	-13	-41.84	-69.18	-56.36	10.48	12.00	H
	15164.72	-51.78	-13	-38.78	-69.87	-53.48	11.80	13.50	H
	7582.36	-53.04	-13	-40.04	-61.35	-56.34	8.30	11.60	V
	11373.54	-50.54	-13	-37.54	-68.96	-52.06	10.48	12.00	V
	15164.72	-51.88	-13	-38.88	-69.96	-53.58	11.80	13.50	V
LTE Band41 Middle	5177.00	-60.80	-25	-35.80	-65.84	-66.36	7.14	12.70	H
	7765.50	-58.11	-25	-33.11	-65.95	-61.41	8.30	11.60	H
	10354.00	-56.91	-25	-31.91	-68.93	-58.43	10.48	12.00	H
	5177.00	-60.56	-25	-35.56	-65.99	-66.12	7.14	12.70	V
	7765.50	-54.16	-25	-29.16	-65.43	-57.46	8.30	11.60	V
	10354.00	-54.46	-25	-29.46	-68.28	-55.98	10.48	12.00	V

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

DC_5A_n78A // LTE 10MHz + NR 100MHz / QPSK / ANT 0+5									
Channel	Frequency (MHz)	ERP/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 78 Middle	7402.50	-53.60	-13	-40.60	-51.05	-56.90	8.30	11.60	H
	11103.75	-52.43	-13	-39.43	-56.85	-53.95	10.48	12.00	H
	14805.00	-52.90	-13	-39.90	-59.48	-54.60	11.80	13.50	H
	7402.50	-56.31	-13	-43.31	-53.81	-59.61	8.30	11.60	V
	11103.75	-52.93	-13	-39.93	-57.05	-54.45	10.48	12.00	V
	14805.00	-52.63	-13	-39.63	-59.40	-54.33	11.80	13.50	V
LTE Band5 Middle	1664.18	-67.11	-13	-54.11	-73.36	-72.51	4.00	9.40	H
	2496.27	-64.42	-13	-51.42	-74.71	-70.14	4.88	10.60	H
	3328.36	-63.32	-13	-50.32	-75.49	-70.40	5.52	12.60	H
	1664.18	-67.41	-13	-54.41	-73.43	-72.81	4.00	9.40	V
	2496.27	-64.21	-13	-51.21	-74.84	-69.93	4.88	10.60	V
	3328.36	-62.91	-13	-49.91	-75.49	-69.99	5.52	12.60	V

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