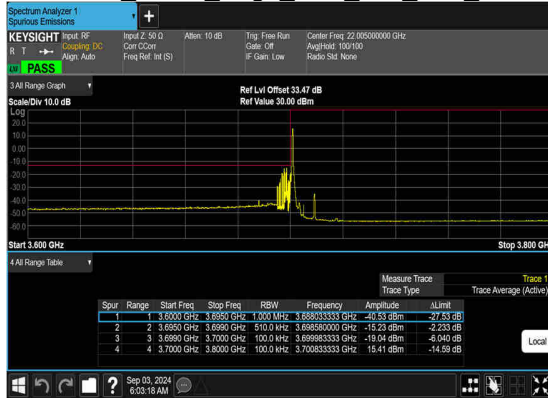
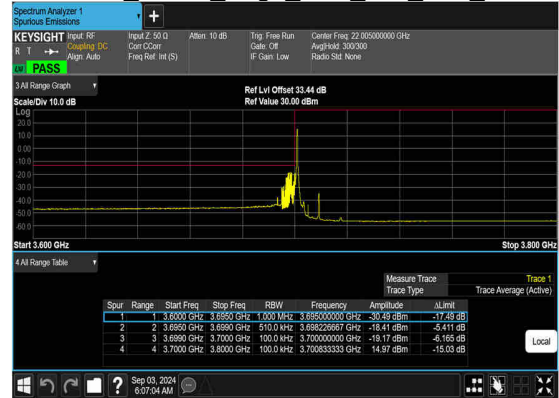




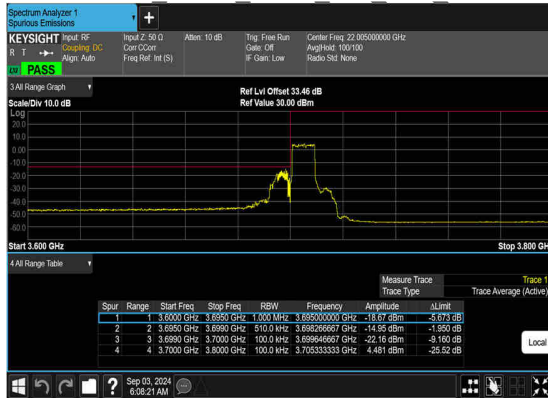
N77(10M)_DFT-s-
OFDM BPSK Edge 1RB Left Low CH



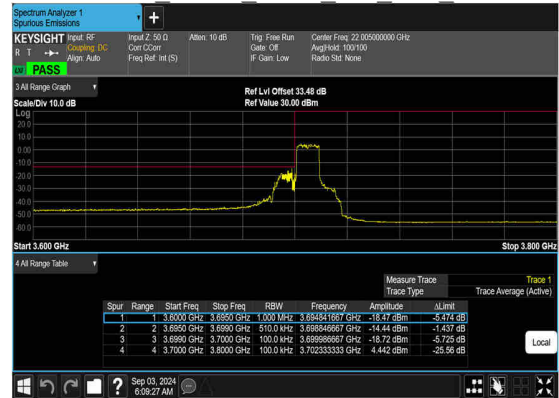
N77(10M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



N77(10M)_DFT-s-
OFDM BPSK Outer Full Low CH

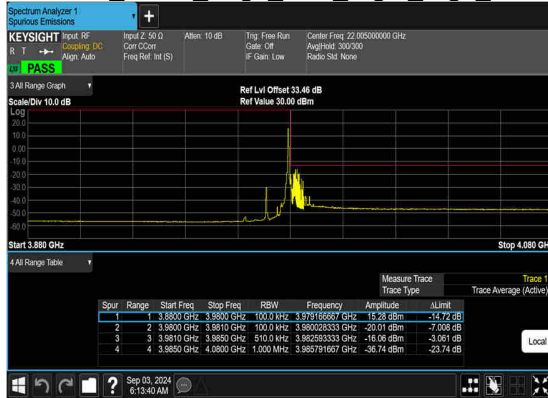


N77(10M)_DFT-s-
OFDM QPSK Outer Full Low CH





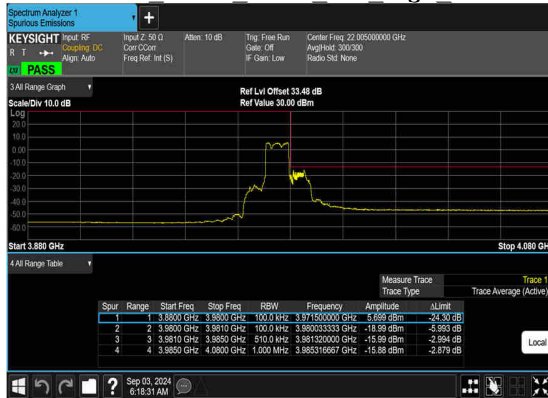
N77(10M)_DFT-s-
OFDM BPSK Edge 1RB Right High CH



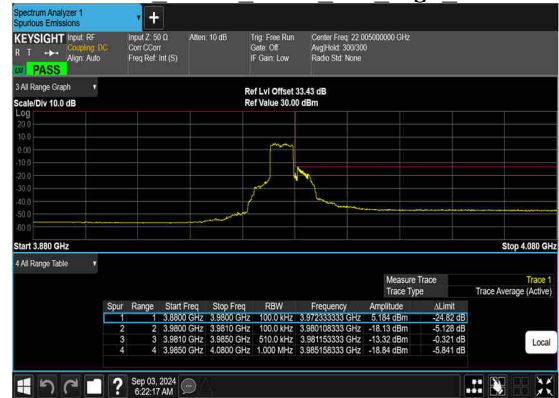
N77(10M)_DFT-s-
OFDM QPSK Edge 1RB Right High CH



N77(10M)_DFT-s-
OFDM BPSK Outer Full High CH

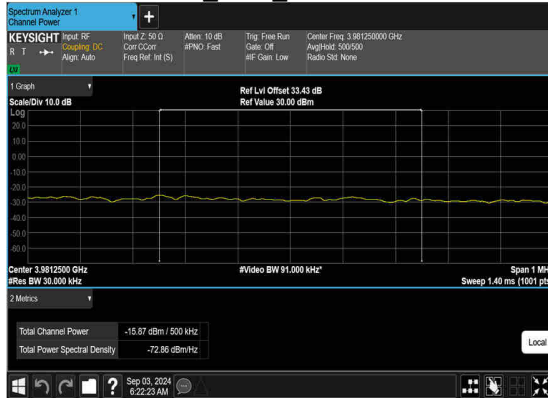


N77(10M)_DFT-s-
OFDM QPSK Outer Full High CH





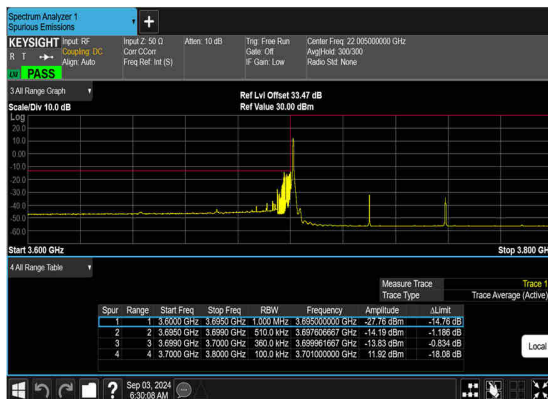
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH
_CHP_PASS



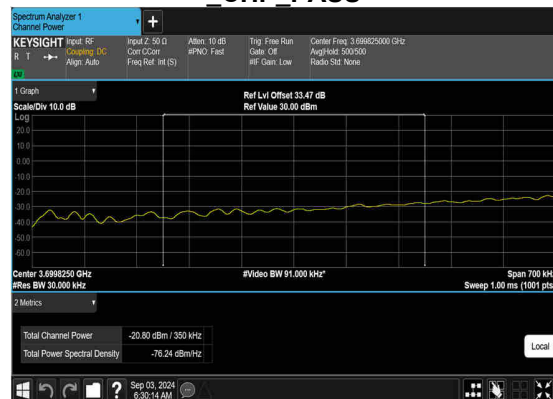
N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



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 QPSK Edge 1RB Right High CH





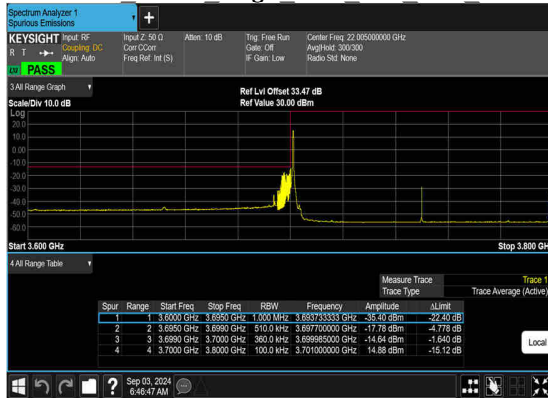
N77(60M)_DFT-s-
OFDM BPSK Outer Full High CH



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 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

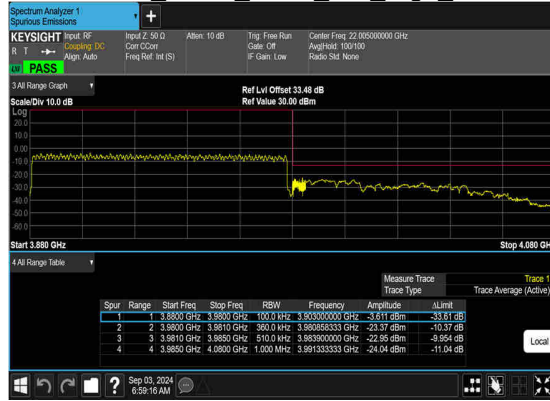


N77(100M)_DFT-s-
OFDM QPSK Edge 1RB Right High CH

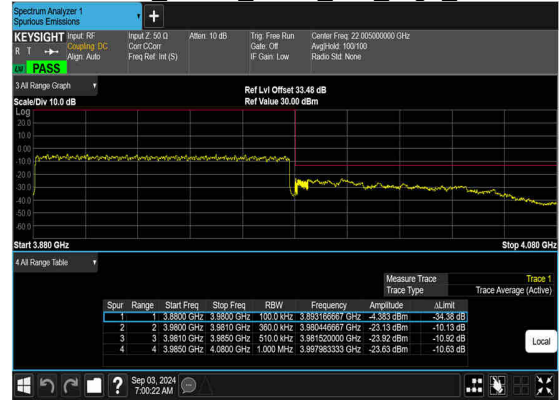




N77(100M)_DFT-s-
OFDM BPSK Outer Full High CH



N77(100M)_DFT-s-
OFDM QPSK Outer Full High CH





FR1 N78

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-2.05dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	24.37	22.32	0.1706
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	24.33	22.28	0.1690
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	23.62	21.57	0.1435
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.18	22.13	0.1633
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	24.17	22.12	0.1629
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.38	21.33	0.1358
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	24.29	22.24	0.1675
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	24.22	22.17	0.1648
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	23.58	21.53	0.1422
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	24.52	22.47	0.1766
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	24.41	22.36	0.1722
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	23.62	21.57	0.1435
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.25	22.2	0.1660
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	24.16	22.11	0.1626
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.5	21.45	0.1396
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	24.35	22.3	0.1698
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	24.29	22.24	0.1675
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	23.49	21.44	0.1393
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	24.52	22.47	0.1766
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	24.37	22.32	0.1706
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	23.7	21.65	0.1462
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.34	22.29	0.1694
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	24.18	22.13	0.1633
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.51	21.46	0.1400
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	24.33	22.28	0.1690
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	24.33	22.28	0.1690
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	23.52	21.47	0.1403
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	25.32	23.27	0.2123
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	24.77	22.72	0.1871
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.18	22.13	0.1633
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.77	22.72	0.1871
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	24.59	22.54	0.1795
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.86	21.81	0.1517
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	24.75	22.7	0.1862
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	24.62	22.57	0.1807
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	24.06	22.01	0.1589
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	24.56	22.51	0.1782
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	24.58	22.53	0.1791



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	23.8	21.75	0.1496
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.35	22.3	0.1698
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	24.32	22.27	0.1687
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.75	21.7	0.1479
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	24.44	22.39	0.1734
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	24.38	22.33	0.1710
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	23.62	21.57	0.1435
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	24.56	22.51	0.1782
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	24.54	22.49	0.1774
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	23.92	21.87	0.1538
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.48	22.43	0.1750
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	24.41	22.36	0.1722
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.7	21.65	0.1462
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	24.4	22.35	0.1718
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	24.36	22.31	0.1702
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.59	21.54	0.1426
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	24.36	22.31	0.1702
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	24.31	22.26	0.1683
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	23.69	21.64	0.1459
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.32	22.27	0.1687
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	24.17	22.12	0.1629
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.56	21.51	0.1416
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	24.11	22.06	0.1607
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	24.1	22.05	0.1603
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	23.1	21.05	0.1274
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	24.16	22.11	0.1626
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	24.15	22.1	0.1622
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.39	21.34	0.1361
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.28	22.23	0.1671
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	24.22	22.17	0.1648
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.34	21.29	0.1346
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	24.01	21.96	0.1570
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	23.99	21.94	0.1563
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	23.26	21.21	0.1321
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	24.22	22.17	0.1648
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	24.17	22.12	0.1629
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	23.37	21.32	0.1355
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.34	22.29	0.1694
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	24.2	22.15	0.1641
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.6	21.55	0.1429
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	24.35	22.3	0.1698
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	24.09	22.04	0.1600



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	23.35	21.3	0.1349
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	24.2	22.15	0.1641
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	24.16	22.11	0.1626
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.42	21.37	0.1371
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.21	22.16	0.1644
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	24.13	22.08	0.1614
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.31	21.26	0.1337
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	24.21	22.16	0.1644
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	24.12	22.07	0.1611
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	23.36	21.31	0.1352
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	24.14	22.09	0.1618
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	24.2	22.15	0.1641
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	23.4	21.35	0.1365
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.16	22.11	0.1626
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	24.03	21.98	0.1578
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.52	21.47	0.1403
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	24.15	22.1	0.1622
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	24.1	22.05	0.1603
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	23.37	21.32	0.1355
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	24.07	22.02	0.1592
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.19	22.14	0.1637
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	24.07	22.02	0.1592
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	24.1	22.05	0.1603
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	24.17	22.12	0.1629
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	23.99	21.94	0.1563
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	23.03	20.98	0.1253
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.39	21.34	0.1361
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	23.24	21.19	0.1315
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	21.53	19.48	0.0887
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	21.56	19.51	0.0893
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	21.39	19.34	0.0859
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	19.5	17.45	0.0556
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	19.53	17.48	0.0560
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	19.39	17.34	0.0542
78	30	100	650000	3750	CP-OFDM QPSK	137@68	22.53	20.48	0.1117
78	30	100	650000	3750	CP-OFDM QPSK	1@1	22.83	20.78	0.1197
78	30	100	650000	3750	CP-OFDM QPSK	1@271	22.59	20.54	0.1132



Software Version: 23.06.1602

FR1 N78 Ant 9

LTE Band: 7, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, ($G_T - L_c$)=-2.05dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	32@16	25.14	23.09	0.2037
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	25.51	23.46	0.2218
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@63	25.44	23.39	0.2183
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	32@16	24.98	22.93	0.1963
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.35	23.30	0.2138
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@63	25.37	23.32	0.2148
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	32@16	24.94	22.89	0.1945
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	25.42	23.37	0.2173
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@63	25.56	23.51	0.2244
78	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	32@16	24.90	22.85	0.1928
78	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@1	25.36	23.31	0.2143
78	30	25	647500	3712.5	DFT-s-OFDM 64 QAM	1@63	25.35	23.30	0.2138
78	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	32@16	23.48	21.43	0.1390
78	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@1	23.91	21.86	0.1535
78	30	25	647500	3712.5	DFT-s-OFDM 256 QAM	1@63	23.94	21.89	0.1545
78	30	25	647500	3712.5	CP-OFDM QPSK	33@16	24.99	22.94	0.1968
78	30	25	647500	3712.5	CP-OFDM QPSK	1@1	25.43	23.38	0.2178
78	30	25	647500	3712.5	CP-OFDM QPSK	1@63	25.45	23.40	0.2188
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	32@16	25.27	23.22	0.2099
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.51	23.46	0.2218
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@63	25.65	23.60	0.2291
78	30	25	650000	3750	DFT-s-OFDM QPSK	32@16	25.31	23.26	0.2118
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	25.52	23.47	0.2223
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@63	25.66	23.61	0.2296
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	32@16	25.26	23.21	0.2094
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.57	23.52	0.2249
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@63	25.69	23.64	0.2312
78	30	25	650000	3750	DFT-s-OFDM 64 QAM	32@16	25.31	23.26	0.2118
78	30	25	650000	3750	DFT-s-OFDM 64 QAM	1@1	25.59	23.54	0.2259
78	30	25	650000	3750	DFT-s-OFDM 64 QAM	1@63	25.62	23.57	0.2275
78	30	25	650000	3750	DFT-s-OFDM 256 QAM	32@16	23.88	21.83	0.1524



NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
78	30	25	650000	3750	DFT-s-OFDM 256 QAM	1@1	24.05	22.00	0.1585
78	30	25	650000	3750	DFT-s-OFDM 256 QAM	1@63	24.21	22.16	0.1644
78	30	25	650000	3750	CP-OFDM QPSK	33@16	25.27	23.22	0.2099
78	30	25	650000	3750	CP-OFDM QPSK	1@1	25.61	23.56	0.2270
78	30	25	650000	3750	CP-OFDM QPSK	1@63	25.69	23.64	0.2312
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	32@16	25.21	23.16	0.2070
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	25.59	23.54	0.2259
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@63	25.40	23.35	0.2163
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	32@16	25.10	23.05	0.2018
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	25.57	23.52	0.2249
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@63	25.39	23.34	0.2158
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	32@16	25.07	23.02	0.2004
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	25.53	23.48	0.2228
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@63	25.31	23.26	0.2118
78	30	25	652500	3787.5	DFT-s-OFDM 64 QAM	32@16	25.17	23.12	0.2051
78	30	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@1	25.59	23.54	0.2259
78	30	25	652500	3787.5	DFT-s-OFDM 64 QAM	1@63	25.44	23.39	0.2183
78	30	25	652500	3787.5	DFT-s-OFDM 256 QAM	32@16	23.75	21.70	0.1479
78	30	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@1	24.05	22.00	0.1585
78	30	25	652500	3787.5	DFT-s-OFDM 256 QAM	1@63	23.97	21.92	0.1556
78	30	25	652500	3787.5	CP-OFDM QPSK	33@16	25.16	23.11	0.2046
78	30	25	652500	3787.5	CP-OFDM QPSK	1@1	25.54	23.49	0.2234
78	30	25	652500	3787.5	CP-OFDM QPSK	1@63	25.38	23.33	0.2153



Occupied Bandwidth

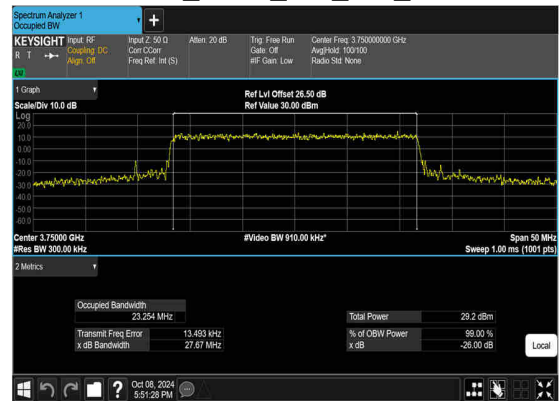
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	25	650000	3750.0	CP-OFDM QPSK	65@0	23.256	25.15
78	30	25	650000	3750.0	CP-OFDM 16 QAM	65@0	23.254	27.67
78	30	25	650000	3750.0	CP-OFDM 64 QAM	65@0	23.215	24.81
78	30	25	650000	3750.0	CP-OFDM 256 QAM	65@0	23.16	24.85



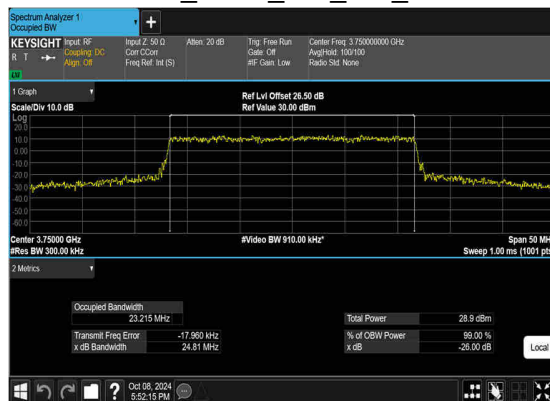
B7_N78(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



B7_N78(25M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B7_N78(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B7_N78(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



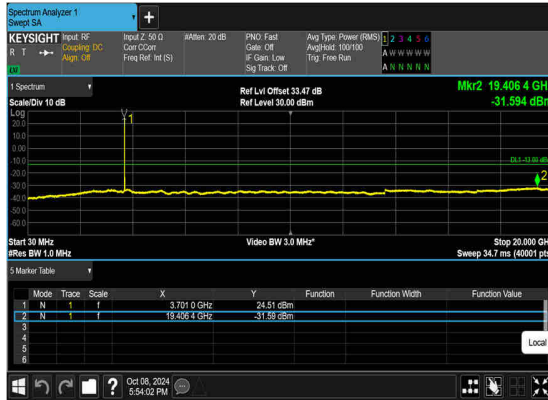


Conducted Spurious Emissions

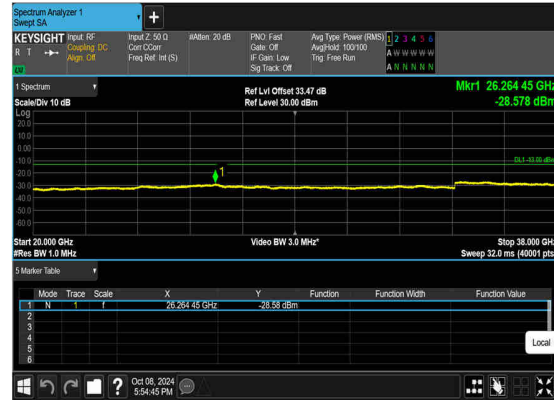
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	25	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	25	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	25	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	25	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	25	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	25	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	25	652500	3787.5	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	25	652500	3787.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	25	652500	3787.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@0	see graph	PASS



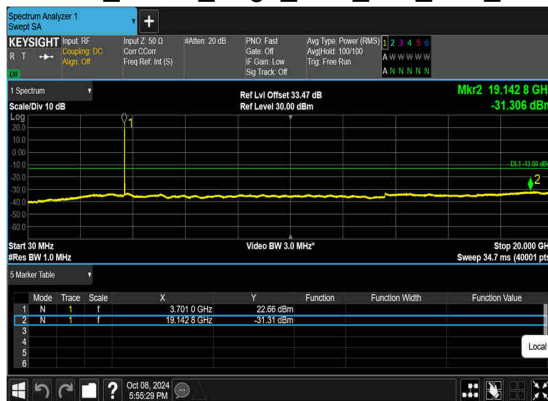
B7_N78(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



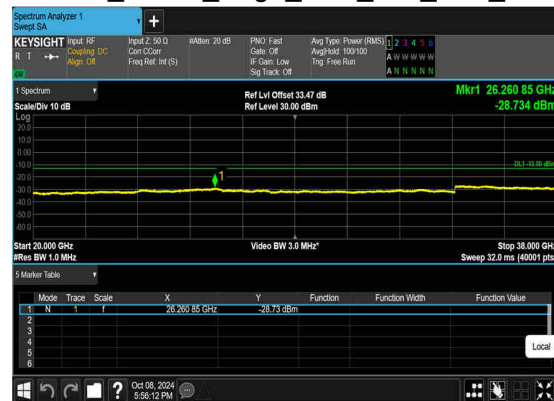
B7_N78(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



B7_N78(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

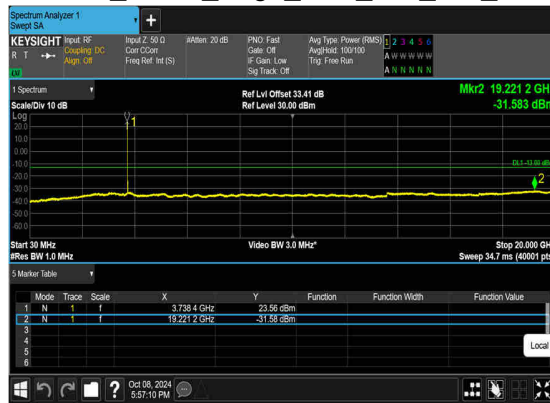


B7_N78(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

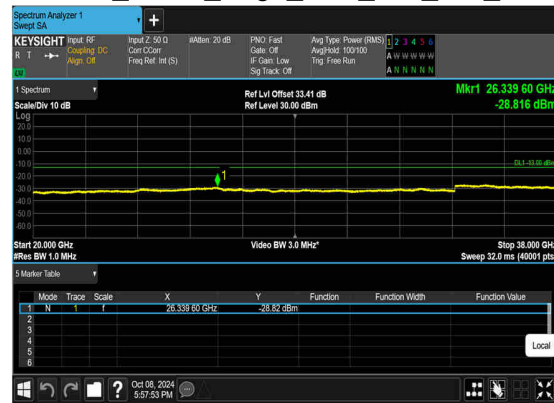




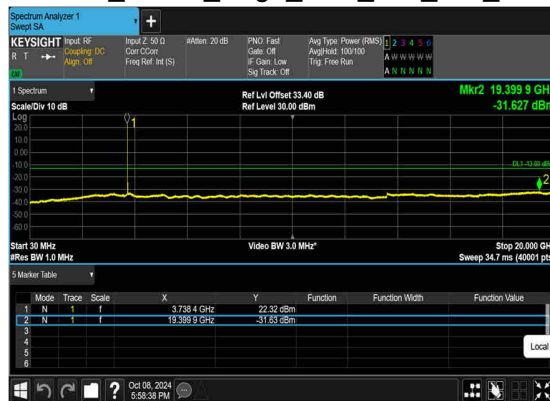
B7_N78(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



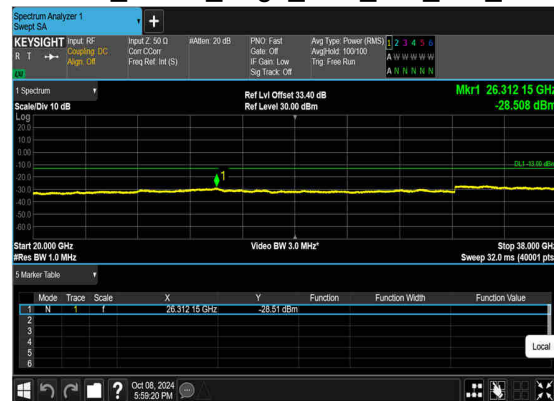
B7_N78(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



B7_N78(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

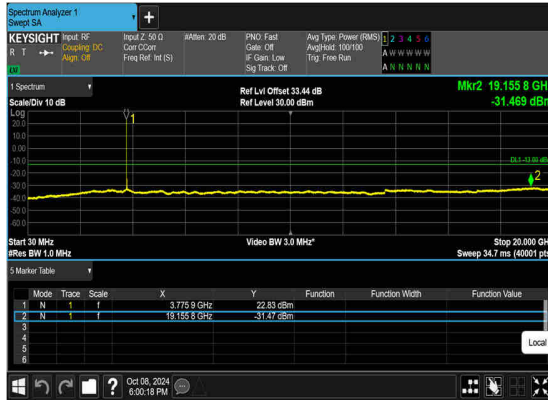


B7_N78(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

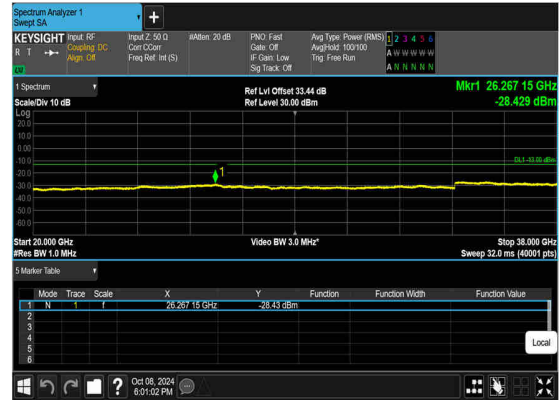




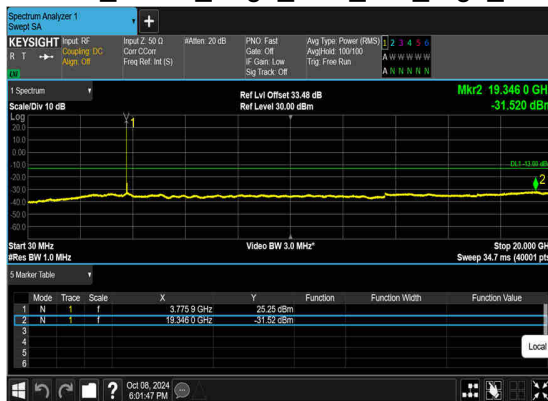
B7_N78(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



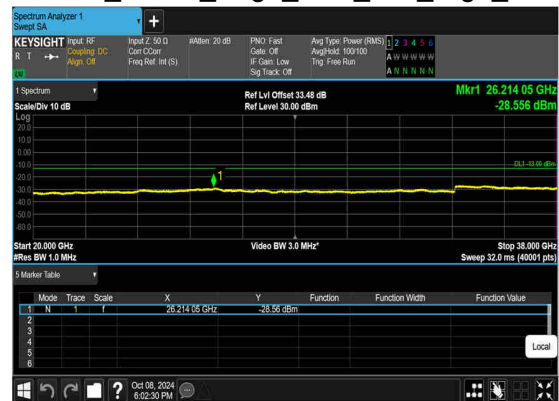
B7_N78(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



B7_N78(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



B7_N78(25M)_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	25	647500	3712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	25	647500	3712.5	DFT-s-OFDM BPSK	64@0	see graph	PASS
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	64@0	see graph	PASS
78	30	25	652500	3787.5	DFT-s-OFDM BPSK	1@64	see graph	PASS
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@64	see graph	PASS
78	30	25	652500	3787.5	DFT-s-OFDM BPSK	64@0	see graph	PASS
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	64@0	see graph	PASS



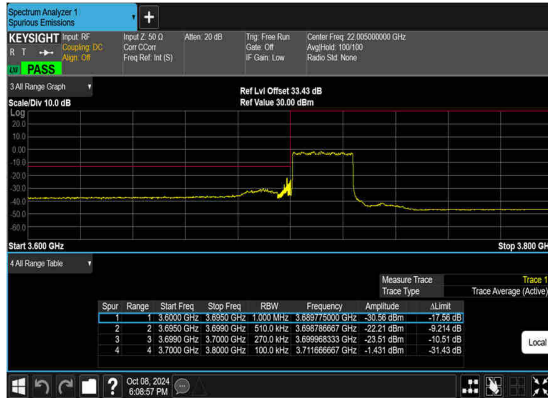
B7_N78(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



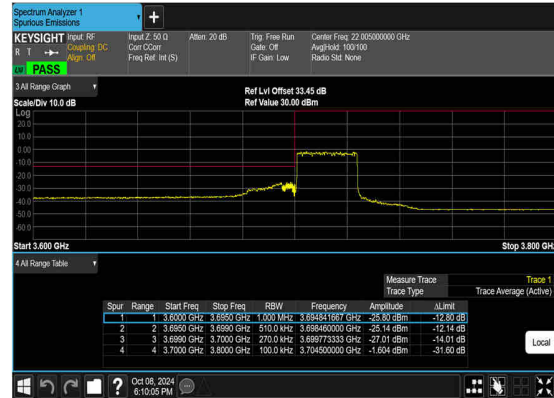
B7_N78(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B7_N78(25M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



B7_N78(25M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





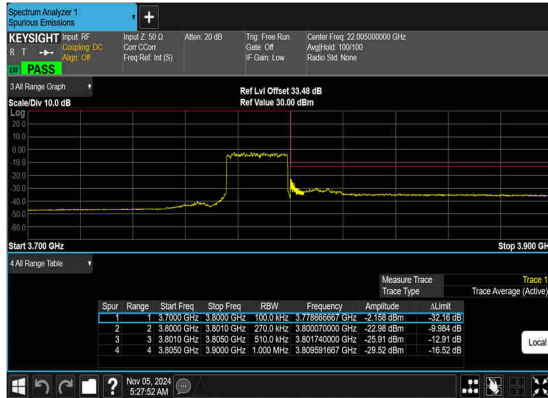
B7_N78(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B7_N78(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B7_N78(25M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B7_N78(25M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	PingZhou Liang	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.

n77 SA / NR 100MHz / QPSK(ANT8)									
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)
Lowest	7408.00	-57.08	-13	-44.08	-56.19	-60.41	8.25	11.58	H
	11112.00	-55.71	-13	-42.71	-61.08	-57.26	10.45	12.00	H
	14816.00	-50.10	-13	-37.10	-60.37	-51.81	11.74	13.45	H
	7408.00	-58.92	-13	-45.92	-58.05	-62.25	8.25	11.58	V
	11112.00	-55.86	-13	-42.86	-60.94	-57.41	10.45	12.00	V
	14816.00	-50.78	-13	-37.78	-60.50	-52.49	11.74	13.45	V
Middle	7588.00	-57.23	-13	-44.23	-55.87	-60.53	8.30	11.60	H
	11382.00	-55.78	-13	-42.78	-61.54	-57.30	10.48	12.00	H
	15176.00	-51.31	-13	-38.31	-61.36	-53.01	11.80	13.50	H
	7588.00	-58.42	-13	-45.42	-57.01	-61.72	8.30	11.60	V
	11382.00	-56.10	-13	-43.10	-61.59	-57.62	10.48	12.00	V
	15176.00	-51.84	-13	-38.84	-61.22	-53.54	11.80	13.50	V
Highest	7768.00	-58.72	-13	-45.72	-57.81	-62.02	8.32	11.62	H
	11652.00	-55.27	-13	-42.27	-60.94	-56.95	10.52	12.20	H
	15536.00	-51.07	-13	-38.07	-60.48	-52.77	11.85	13.55	H
	7768.00	-54.24	-13	-41.24	-53.17	-57.54	8.32	11.62	V
	11652.00	-55.55	-13	-42.55	-60.85	-57.23	10.52	12.20	V
	15536.00	-51.82	-13	-38.82	-60.34	-53.52	11.85	13.55	V

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



EN-DC_13A_n77A / LTE 10MHz + NR 100MHz / QPSK(1+9)									
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 n77 Lowest	7408.00	-59.31	-13	-46.31	-58.42	-62.64	8.25	11.58	H
	11112.00	-55.43	-13	-42.43	-60.80	-56.98	10.45	12.00	H
	14816.00	-50.90	-13	-37.90	-61.17	-52.61	11.74	13.45	H
	7408.00	-59.16	-13	-46.16	-58.29	-62.49	8.25	11.58	V
	11112.00	-55.84	-13	-42.84	-60.92	-57.39	10.45	12.00	V
	14816.00	-51.89	-13	-38.89	-61.61	-53.60	11.74	13.45	V
LTE Band13 Lowest	1564	-65.13	-42.15	-22.98	-75.15	-68.38	4.00	9.40	H
	2346	-63.05	-13	-50.05	-77.81	-66.62	4.88	10.60	H
	3128	-61.15	-13	-48.15	-78.28	-66.08	5.52	12.60	H
	1564	-65.36	-42.15	-23.21	-75.46	-68.61	4.00	9.40	V
	2346	-63.00	-13	-50.00	-77.76	-66.57	4.88	10.60	V
	3128	-61.10	-13	-48.10	-78.27	-66.03	5.52	12.60	V
NR n77 Middle	7588.00	-59.60	-13	-46.60	-58.24	-62.90	8.30	11.60	H
	11382.00	-55.47	-13	-42.47	-61.23	-56.99	10.48	12.00	H
	15176.00	-50.70	-13	-37.70	-60.75	-52.40	11.80	13.50	H
	7588.00	-59.68	-13	-46.68	-58.27	-62.98	8.30	11.60	V
	11382.00	-55.97	-13	-42.97	-61.46	-57.49	10.48	12.00	V
	15176.00	-51.48	-13	-38.48	-60.86	-53.18	11.80	13.50	V
LTE Band13 Middle	1564	-64.30	-42.15	-22.15	-74.32	-67.55	4.00	9.40	H
	2346	-61.83	-13	-48.83	-76.59	-65.40	4.88	10.60	H
	3128	-60.14	-13	-47.14	-77.27	-65.07	5.52	12.60	H
	1564	-64.66	-42.15	-22.51	-74.76	-67.91	4.00	9.40	V
	2346	-62.21	-13	-49.21	-76.97	-65.78	4.88	10.60	V
	3128	-60.37	-13	-47.37	-77.54	-65.30	5.52	12.60	V
NR n77 Highest	7768.00	-59.60	-13	-46.60	-58.69	-62.90	8.32	11.62	H
	11652.00	-56.02	-13	-43.02	-61.69	-57.70	10.52	12.20	H
	15536.00	-51.91	-13	-38.91	-61.32	-53.61	11.85	13.55	H
	7768.00	-59.69	-13	-46.69	-58.62	-62.99	8.32	11.62	V
	11652.00	-56.24	-13	-43.24	-61.54	-57.92	10.52	12.20	V
	15536.00	-53.09	-13	-40.09	-61.61	-54.79	11.85	13.55	V
LTE Band13 Highest	1564	-65.15	-42.15	-23.00	-75.17	-68.40	4.00	9.40	H
	2346	-62.97	-13	-49.97	-77.73	-66.54	4.88	10.60	H
	3128	-60.92	-13	-47.92	-78.05	-65.85	5.52	12.60	H
	1564	-65.13	-42.15	-22.98	-75.23	-68.38	4.00	9.40	V
	2346	-62.93	-13	-49.93	-77.69	-66.50	4.88	10.60	V
	3128	-61.23	-13	-48.23	-78.40	-66.16	5.52	12.60	V

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