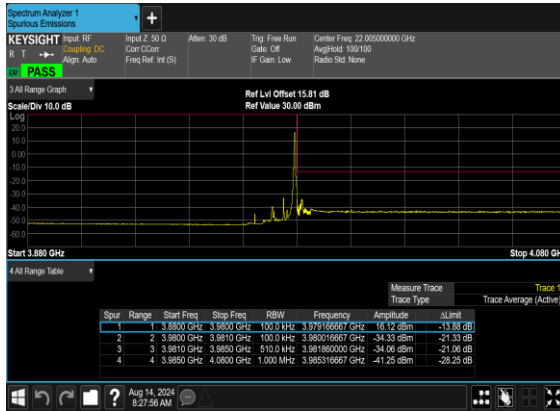
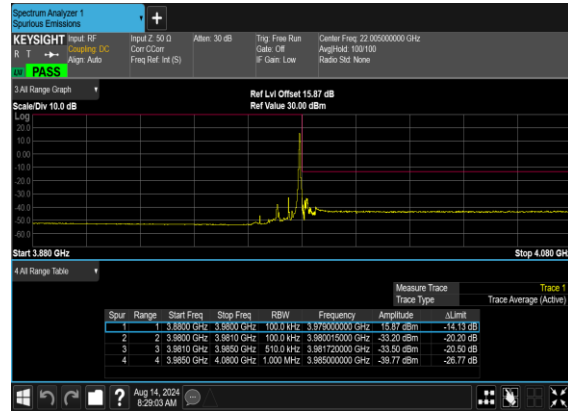




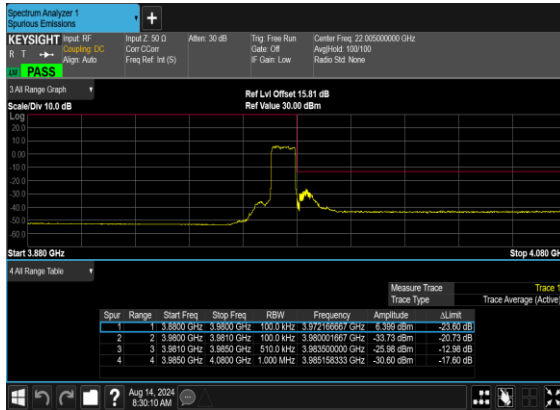
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



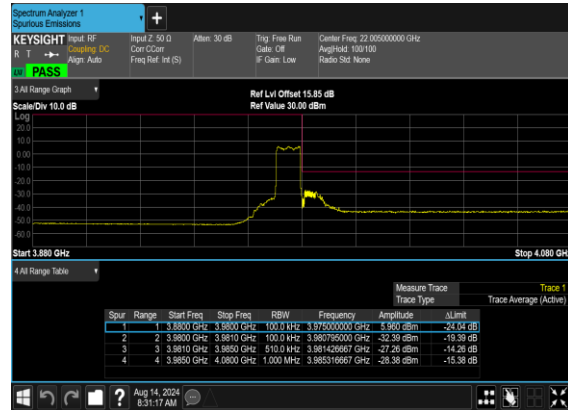
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

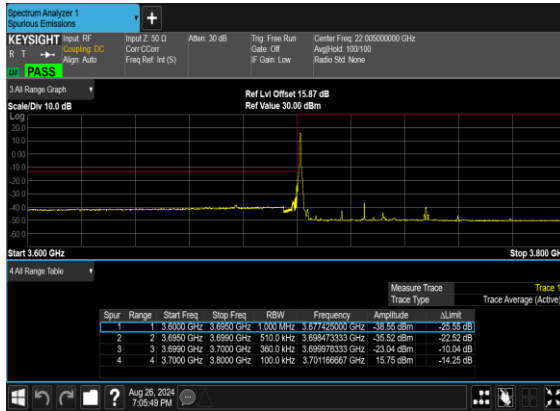


N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

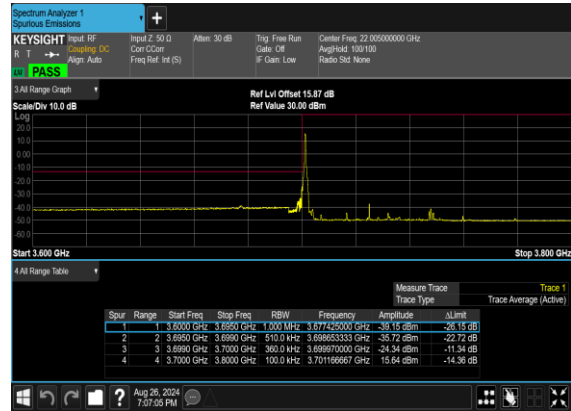




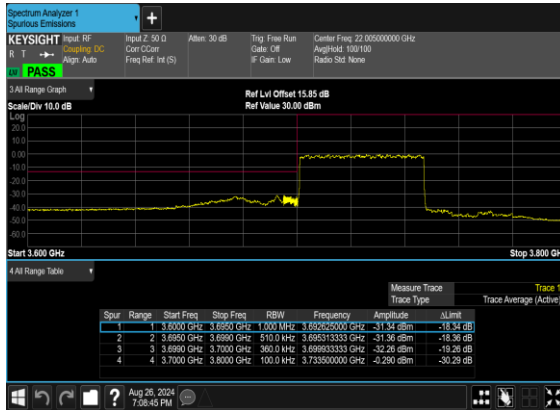
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



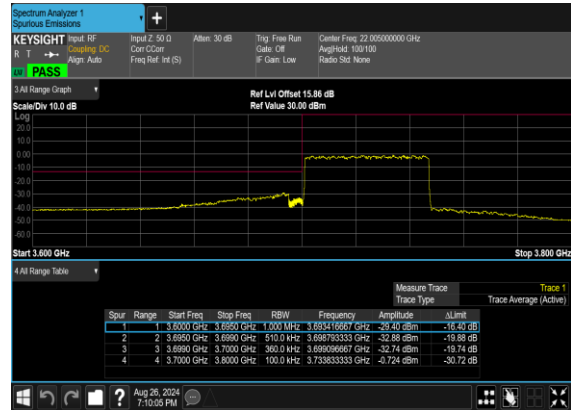
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

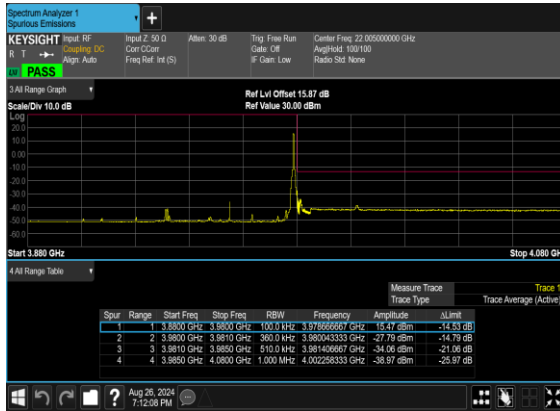


N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

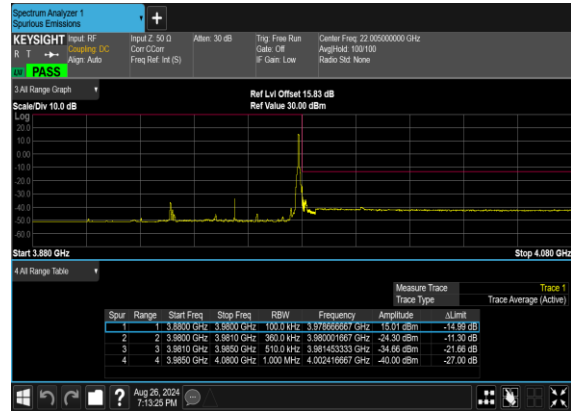




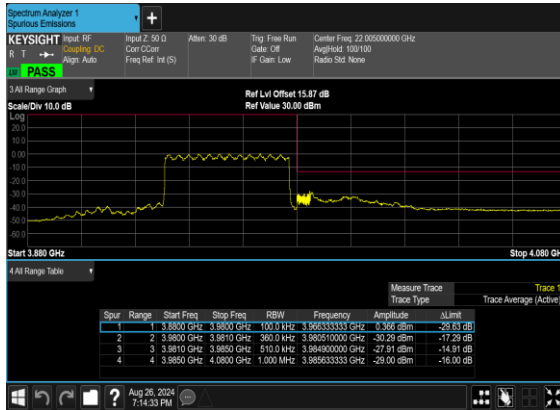
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



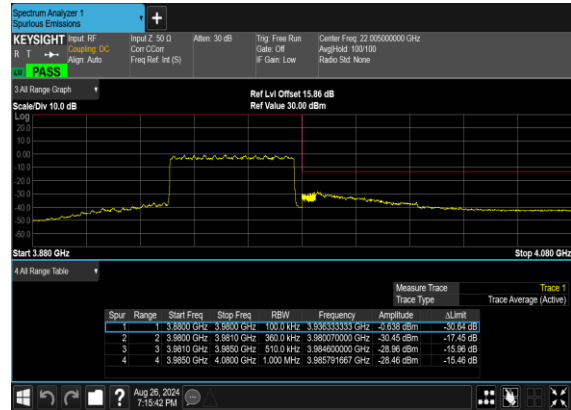
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

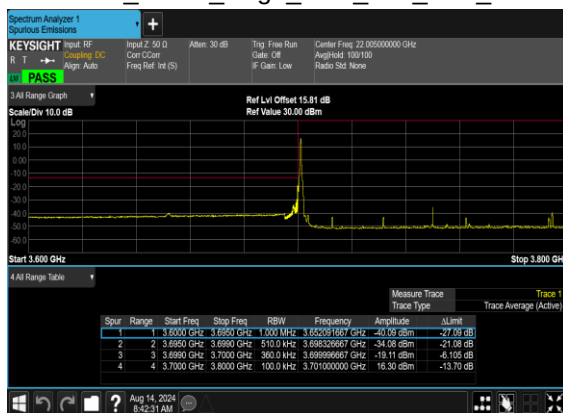
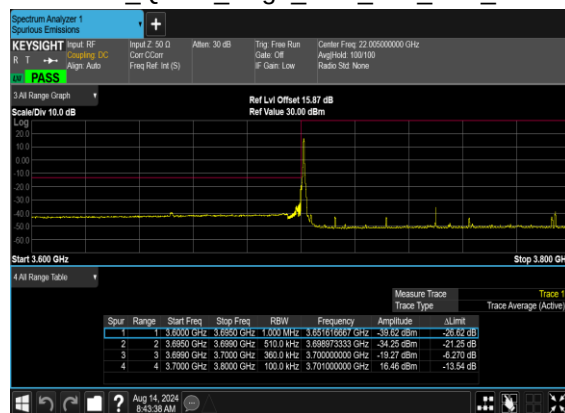
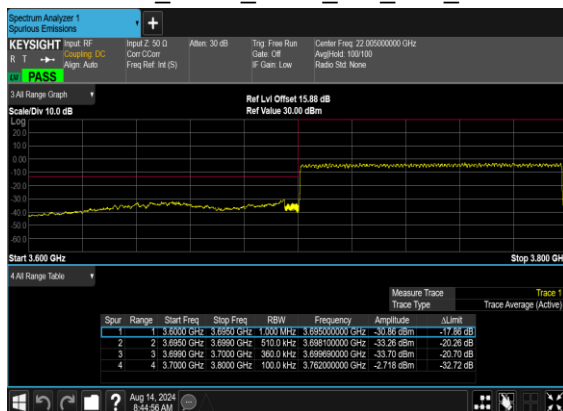
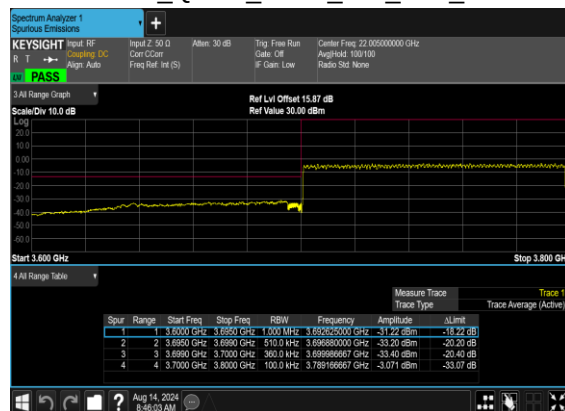


N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



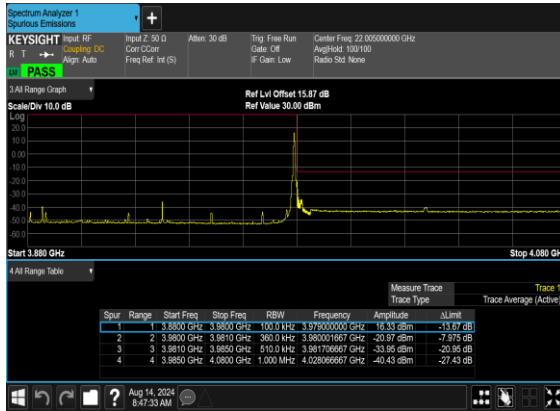
N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



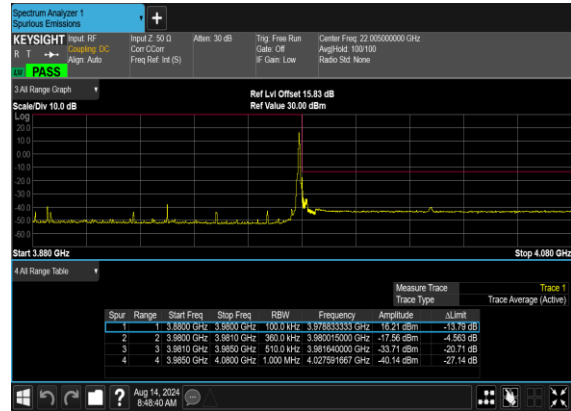
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



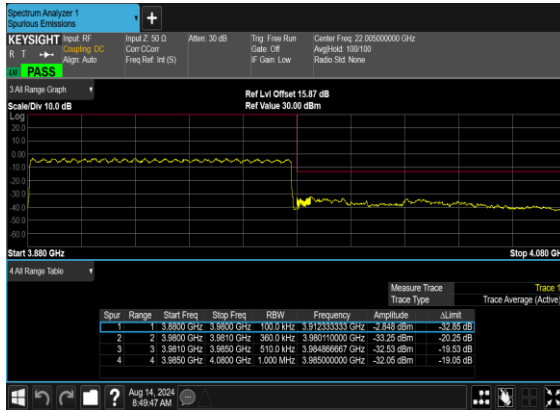
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



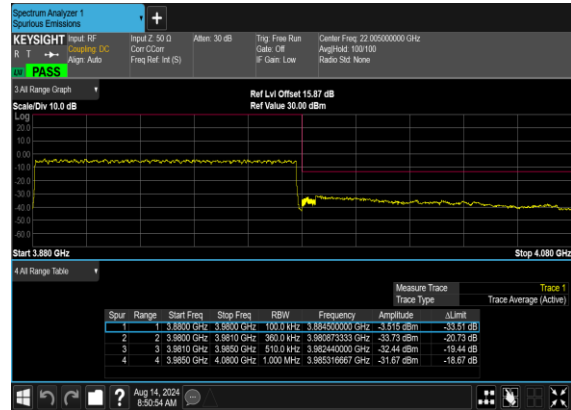
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



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

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-2dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	25.5	23.5	0.2239
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	25.21	23.21	0.2094
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	25.92	23.92	0.2466
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.98	22.98	0.1986
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	26.11	24.11	0.2576
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	25.15	23.15	0.2065
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.45	23.45	0.2213
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.51	22.51	0.1782
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	25.82	23.82	0.2410
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.89	22.89	0.1945
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	26.13	24.13	0.2588
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	25.21	23.21	0.2094
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.5	23.5	0.2239
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.54	22.54	0.1795
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.83	23.83	0.2415
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.88	22.88	0.1941
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	26.08	24.08	0.2559
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.13	23.13	0.2056



78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.42	23.42	0.2198
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.5	22.5	0.1778
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	25.76	23.76	0.2377
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.81	22.81	0.1910
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	25.97	23.97	0.2495
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	25.04	23.04	0.2014
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.37	23.37	0.2173
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.43	22.43	0.1750
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	25.75	23.75	0.2371
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.8	22.8	0.1905
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	26.07	24.07	0.2553
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	25.1	23.1	0.2042
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.4	23.4	0.2188
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.48	22.48	0.1770
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	25.69	23.69	0.2339
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.71	22.71	0.1866
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	25.87	23.87	0.2438
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	24.96	22.96	0.1977
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.28	23.28	0.2128
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.34	22.34	0.1714
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.61	23.61	0.2296
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.65	22.65	0.1841



78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.77	23.77	0.2382
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.9	22.9	0.1950
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.3	23.3	0.2138
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.32	22.32	0.1706
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25.52	23.52	0.2249
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.59	22.59	0.1816
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.69	23.69	0.2339
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.77	22.77	0.1892
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.41	23.41	0.2193
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.42	22.42	0.1746
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	25.6	23.6	0.2291
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.61	22.61	0.1824
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.62	23.62	0.2301
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	24.67	22.67	0.1849
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.51	23.51	0.2244
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.51	22.51	0.1782
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	25.58	23.58	0.2280
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.61	22.61	0.1824
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	25.63	23.63	0.2307
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	24.67	22.67	0.1849
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.43	23.43	0.2203
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.47	22.47	0.1766



78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	25.5	23.5	0.2239
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.57	22.57	0.1807
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	25.61	23.61	0.2296
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	24.61	22.61	0.1824
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.93	23.93	0.2472
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.52	23.52	0.2249
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.27	24.27	0.2673
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.91	23.91	0.2460
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.5	23.5	0.2239
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.21	24.21	0.2636
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.94	22.94	0.1968
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.57	22.57	0.1807
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.26	23.26	0.2118
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.5	21.5	0.1413
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.08	21.08	0.1282
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.81	21.81	0.1517
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.53	19.53	0.0897
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.98	18.98	0.0791
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.76	19.76	0.0946
78	30	100	650000	3750	CP-OFDM QPSK	137@68	24.39	22.39	0.1734
78	30	100	650000	3750	CP-OFDM QPSK	1@1	23.92	21.92	0.1556
78	30	100	650000	3750	CP-OFDM QPSK	1@271	24.68	22.68	0.1854



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25°C
		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(ANT4)									
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	7582.36	-55.58	-13	-42.58	-63.89	-58.88	8.30	11.60	H
	11373.54	-54.82	-13	-41.82	-69.16	-56.34	10.48	12.00	H
	15164.72	-51.90	-13	-38.90	-69.99	-53.60	11.80	13.50	H
	7582.36	-53.47	-13	-40.47	-61.78	-56.77	8.30	11.60	V
	11373.54	-50.12	-13	-37.12	-68.54	-51.64	10.48	12.00	V
	15164.72	-51.87	-13	-38.87	-69.95	-53.57	11.80	13.50	V

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

EN-DC 30A_n77A / LTE 10MHz + NR 100MHz / QPSK(2+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)
NR n77 Middle	7582.36	-55.02	-13	-42.02	-63.33	-58.32	8.30	11.60	H
	11373.54	-51.23	-13	-38.23	-65.57	-52.75	10.48	12.00	H
	15164.72	-52.19	-13	-39.19	-70.28	-53.89	11.80	13.50	H
	7582.36	-53.15	-13	-40.15	-61.46	-56.45	8.30	11.60	V
	11373.54	-45.58	-13	-32.58	-64	-47.10	10.48	12.00	V
	15164.72	-52.11	-13	-39.11	-70.19	-53.81	11.80	13.50	V
LTE Band30 Middle	4611.00	-58.69	-40	-18.69	-63.64	-64.94	6.45	12.70	H
	6916.50	-53.95	-40	-13.95	-61.45	-57.35	8.40	11.80	H
	9222.00	-59.25	-40	-19.25	-68.77	-61.60	9.65	12.00	H
	4611.00	-59.29	-40	-19.29	-64.37	-65.54	6.45	12.70	V
	6916.50	-52.84	-40	-12.84	-61.44	-56.24	8.40	11.80	V
	9222.00	-55.83	-40	-15.83	-67.58	-58.18	9.65	12.00	V

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