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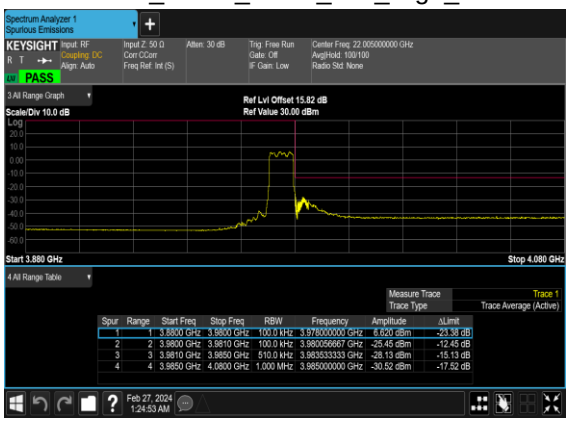
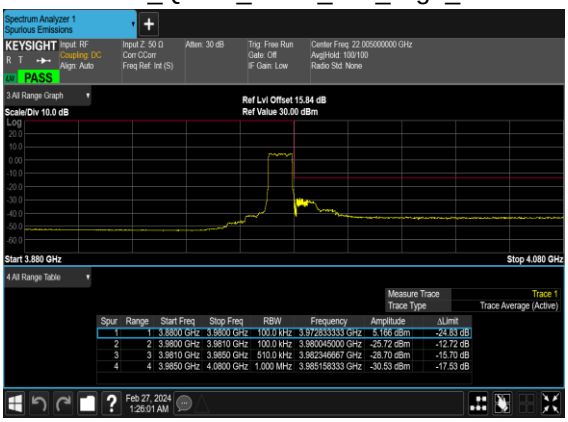
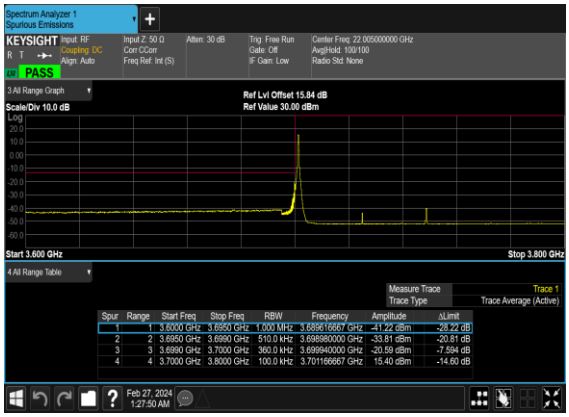


N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



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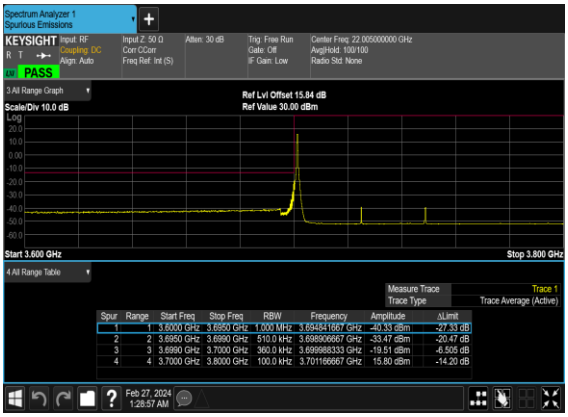

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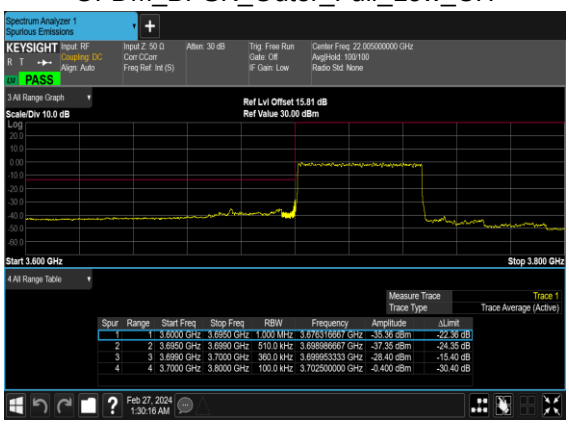

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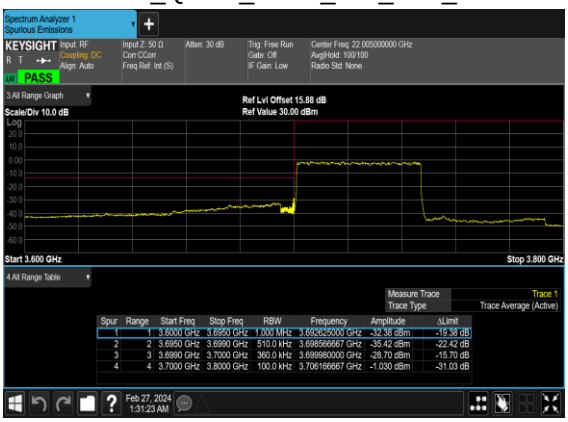
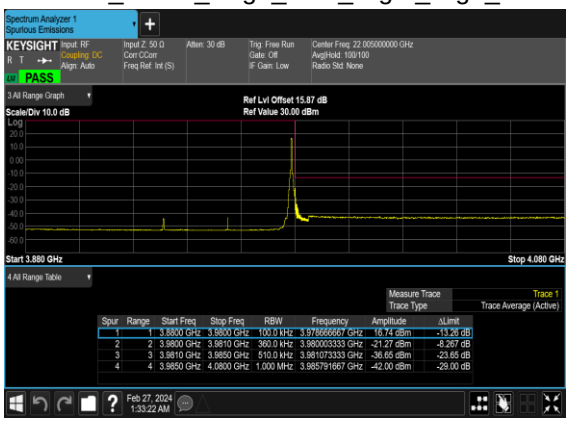
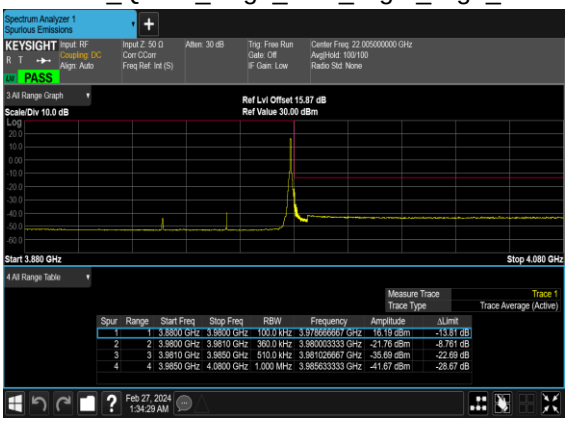


N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



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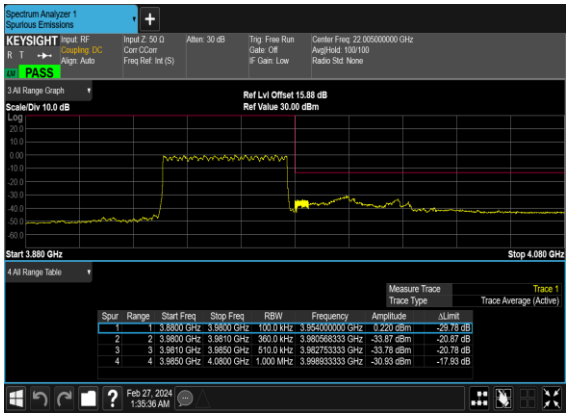

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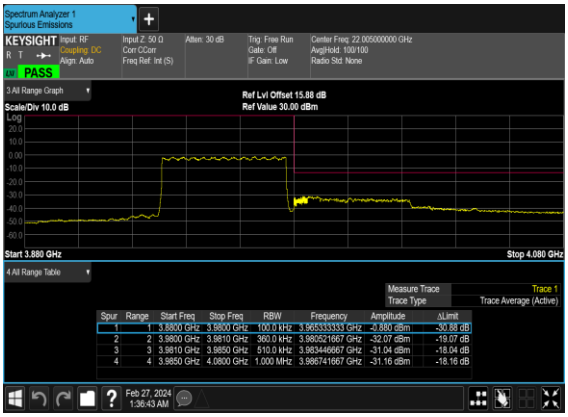
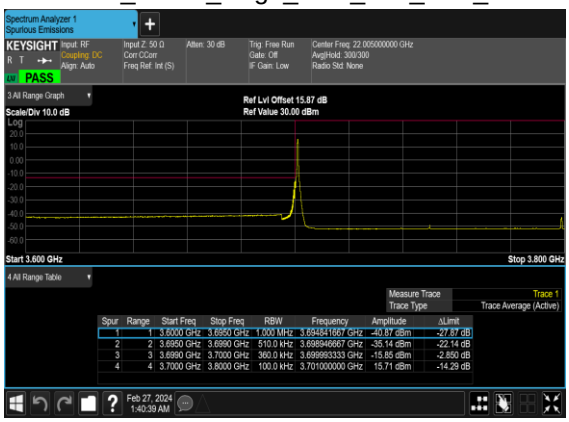
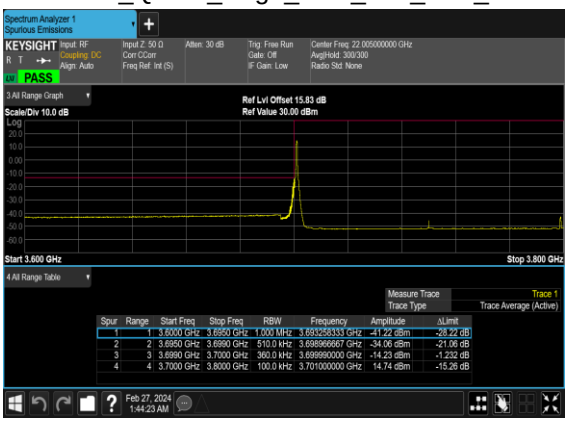


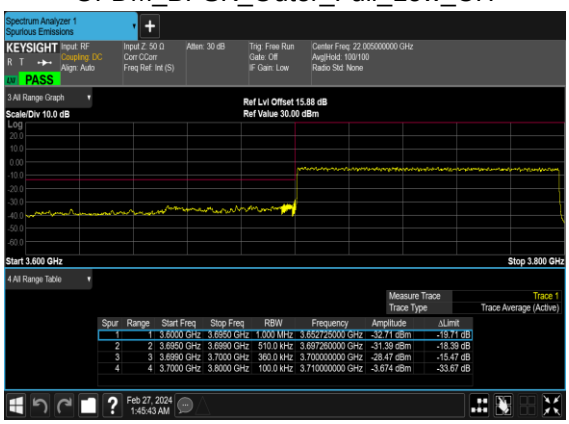
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



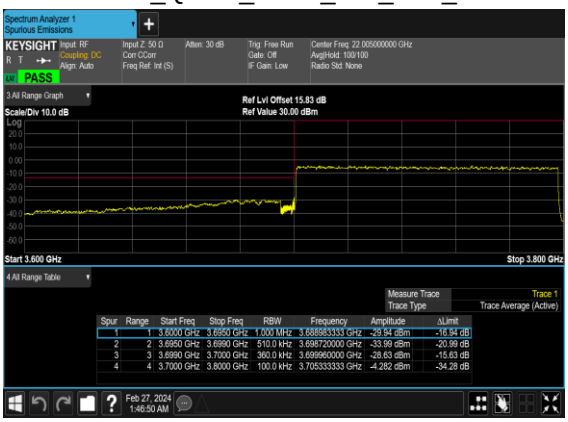
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



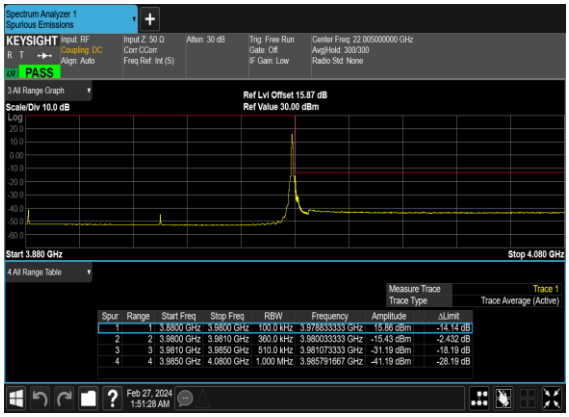
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



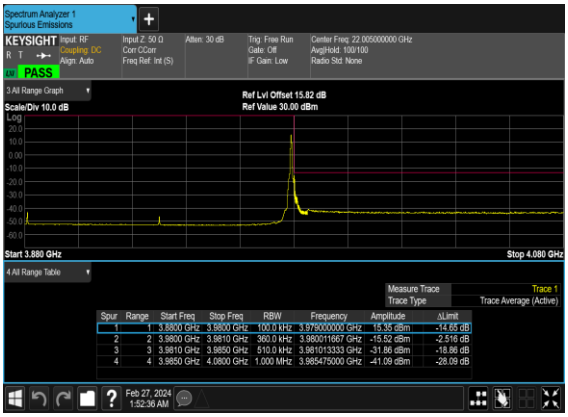
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



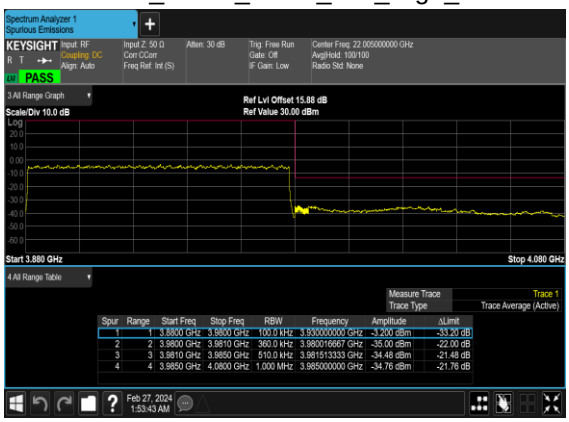
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



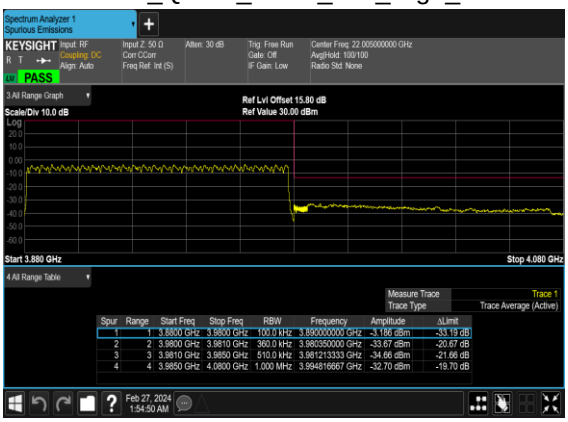
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



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(ANT7)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=1.0dB

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	25.98	26.98	0.4989
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	25	26	0.3981
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	25.88	26.88	0.4875
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.05	26.05	0.4027
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	25.9	26.9	0.4898
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	25	26	0.3981
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.96	26.96	0.4966
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	25.06	26.06	0.4036
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	25.86	26.86	0.4853
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.03	26.03	0.4009
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	25.94	26.94	0.4943
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	25.01	26.01	0.3990
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.81	26.81	0.4797
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.93	25.93	0.3917
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.73	26.73	0.4710
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.83	25.83	0.3828
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.85	26.85	0.4842
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.01	26.01	0.3990
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.94	26.94	0.4943
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.98	25.98	0.3963
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	26.17	27.17	0.5212
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.3	26.3	0.4266
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	26.17	27.17	0.5212
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	25.32	26.32	0.4285
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	26.22	27.22	0.5272
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	25.22	26.22	0.4188
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	26.08	27.08	0.5105
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.28	26.28	0.4246
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	26.17	27.17	0.5212
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	25.23	26.23	0.4198
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	26.11	27.11	0.5140
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.19	26.19	0.4159
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	26.08	27.08	0.5105
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.25	26.25	0.4217
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	26.16	27.16	0.5200
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	25.28	26.28	0.4246

78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.97	26.97	0.4977
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.11	26.11	0.4083
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.99	26.99	0.5000
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.09	26.09	0.4064
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.94	26.94	0.4943
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	25	26	0.3981
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.8	26.8	0.4786
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.88	25.88	0.3873
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25.83	26.83	0.4819
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.03	26.03	0.4009
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.82	26.82	0.4808
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.91	25.91	0.3899
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	26.04	27.04	0.5058
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.14	26.14	0.4111
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	26.01	27.01	0.5023
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.19	26.19	0.4159
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.97	26.97	0.4977
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	25.06	26.06	0.4036
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	26.01	27.01	0.5023
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.2	26.2	0.4169
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	26.07	27.07	0.5093
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.14	26.14	0.4111
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	25.98	26.98	0.4989
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	25.08	26.08	0.4055
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	26.01	27.01	0.5023
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.17	26.17	0.4140
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	26.05	27.05	0.5070
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.21	26.21	0.4178
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	26.02	27.02	0.5035
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	25.16	26.16	0.4130
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	26.09	27.09	0.5117
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.12	27.12	0.5152
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.1	27.1	0.5129
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.02	27.02	0.5035
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	26.23	27.23	0.5284
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.11	27.11	0.5140
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.13	26.13	0.4102
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.22	26.22	0.4188
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.23	26.23	0.4198
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.66	24.66	0.2924
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.76	24.76	0.2992
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.64	24.64	0.2911
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.72	22.72	0.1871
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.61	22.61	0.1824

78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.53	22.53	0.1791
78	30	100	650000	3750	CP-OFDM QPSK	137@68	24.61	25.61	0.3639
78	30	100	650000	3750	CP-OFDM QPSK	1@1	24.71	25.71	0.3724
78	30	100	650000	3750	CP-OFDM QPSK	1@271	24.66	25.66	0.3681

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25℃
		Relative Humidity :	41~42%

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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7583	-60.12	-13	-47.12	-70.33	3.03	13.24	H
	11378	-57.98	-13	-44.98	-67.43	3.56	13.01	H
	15184	-61.13	-13	-48.13	-70.65	3.92	13.44	H
	7583	-55.89	-13	-42.89	-66.10	3.03	13.24	V
	11378	-52.46	-13	-39.46	-61.91	3.56	13.01	V
	15184	-60.74	-13	-47.74	-70.26	3.92	13.44	V

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

EN-DC_7A_n77A / LTE 10MHz + NR 100MHz / QPSK(ANT3+8)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7583	-58.85	-13	-45.85	-69.06	3.03	13.24	H
	11378	-56.18	-13	-43.18	-65.63	3.56	13.01	H
	15184	-60.83	-13	-47.83	-70.35	3.92	13.44	H
	7583	-54.77	-13	-41.77	-64.98	3.03	13.24	V
	11378	-52.82	-13	-39.82	-62.27	3.56	13.01	V
	15184	-59.81	-13	-46.81	-69.33	3.92	13.44	V

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