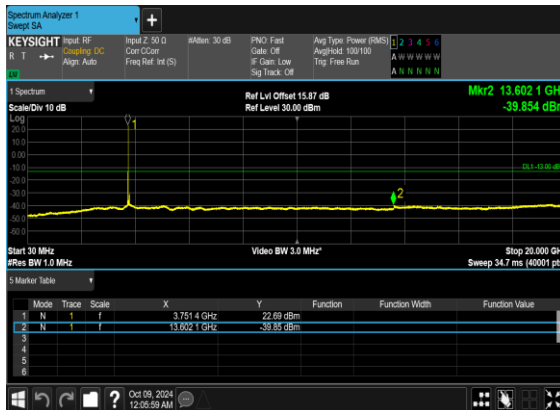
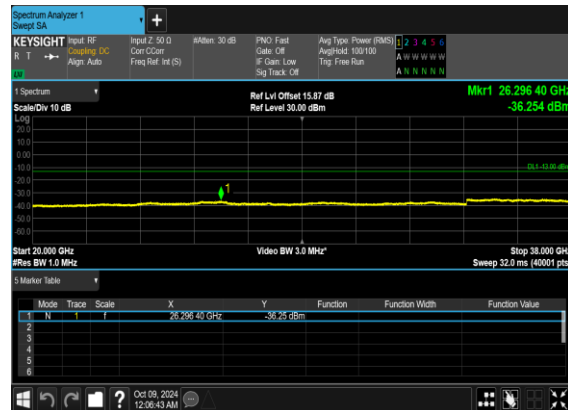




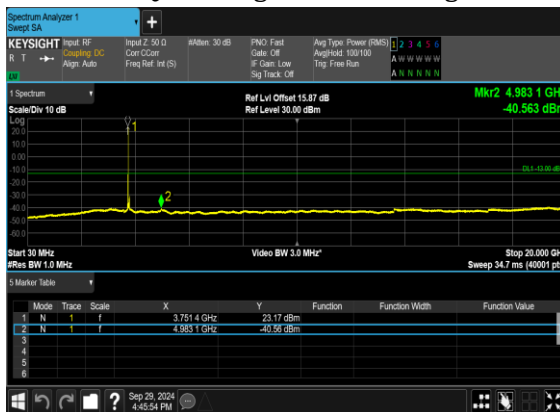
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



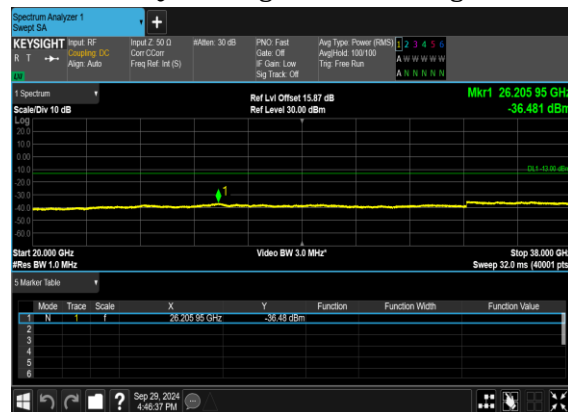
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

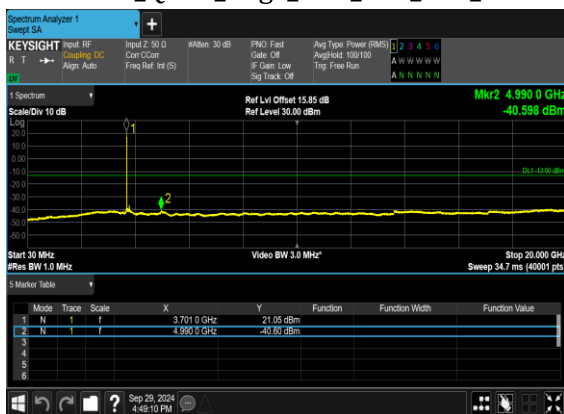
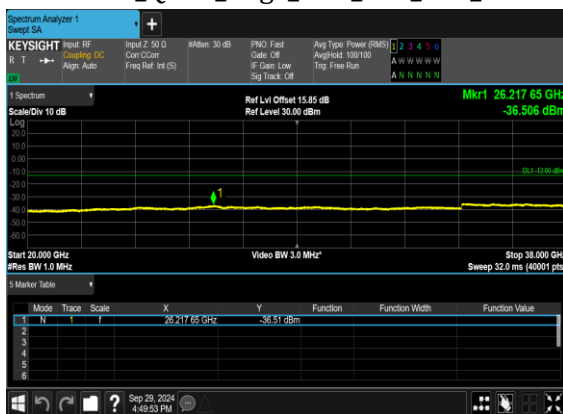


N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



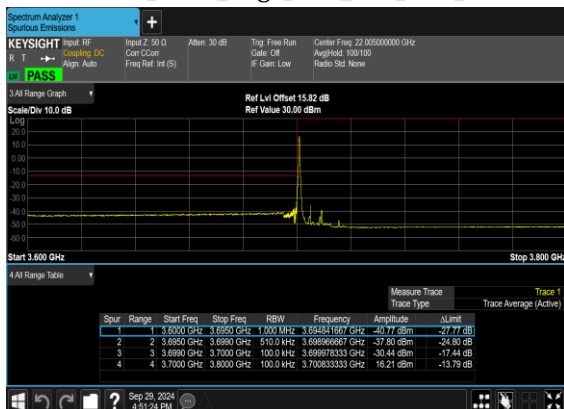
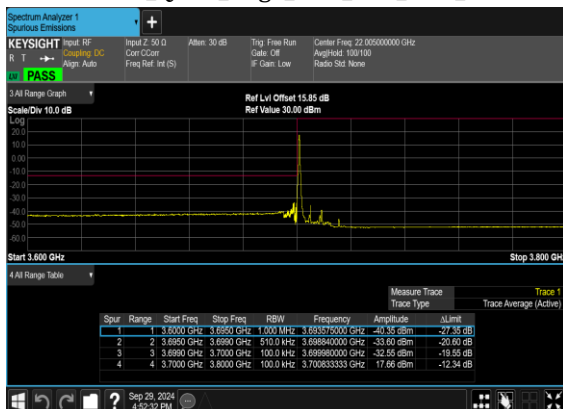
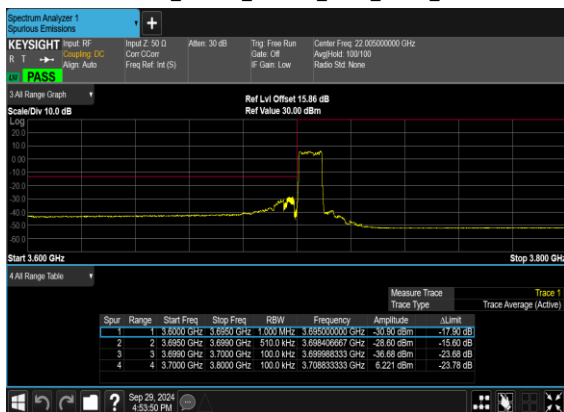
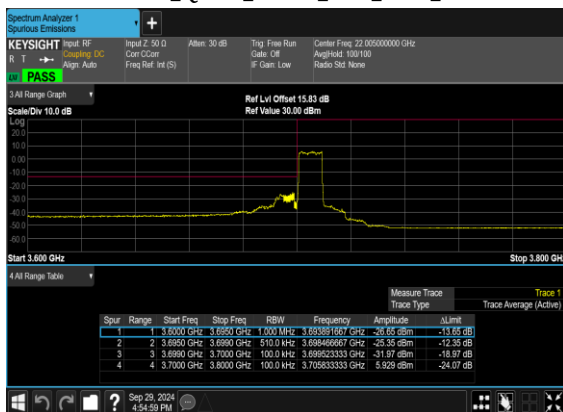
N78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN78(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN78(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

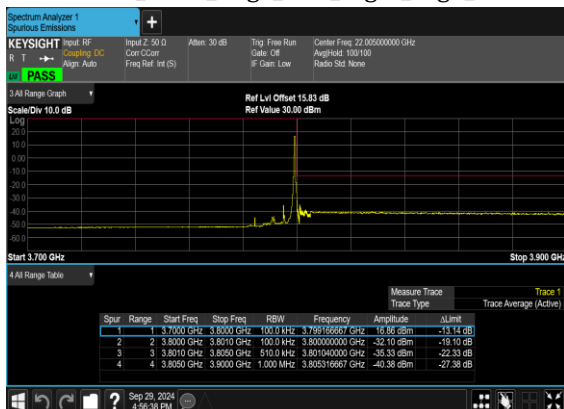
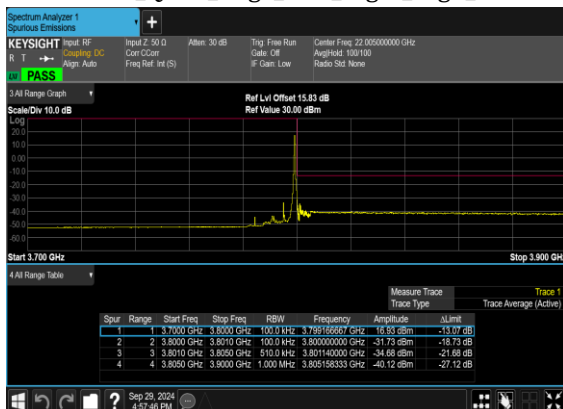
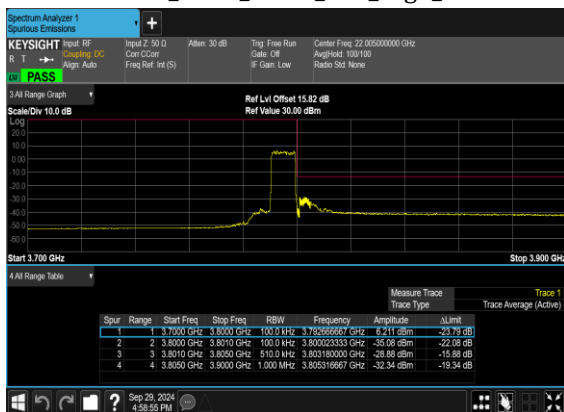
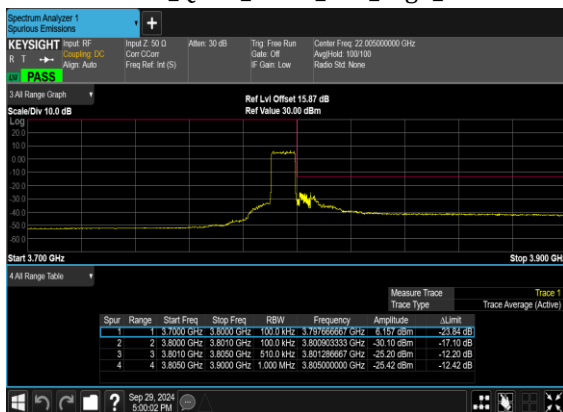
Conducted Band Edge

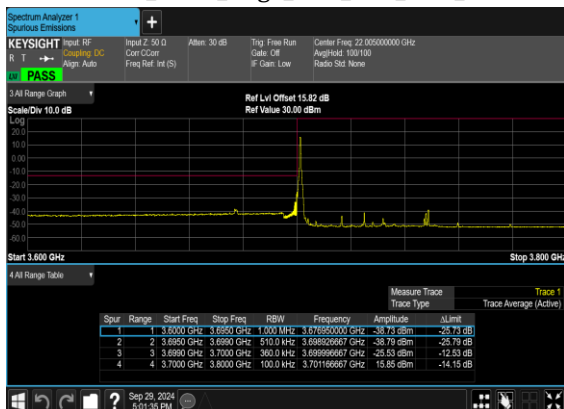
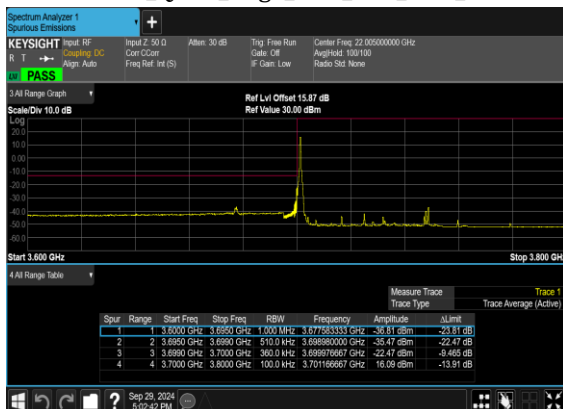
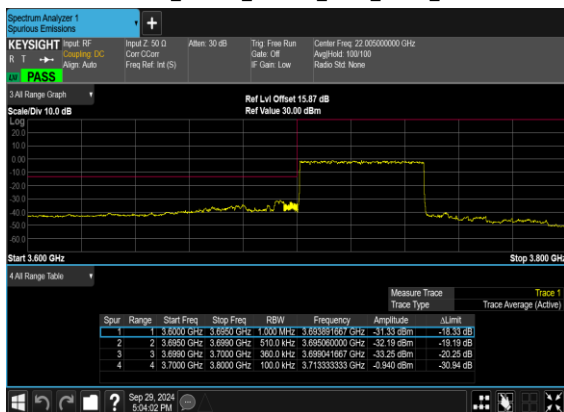
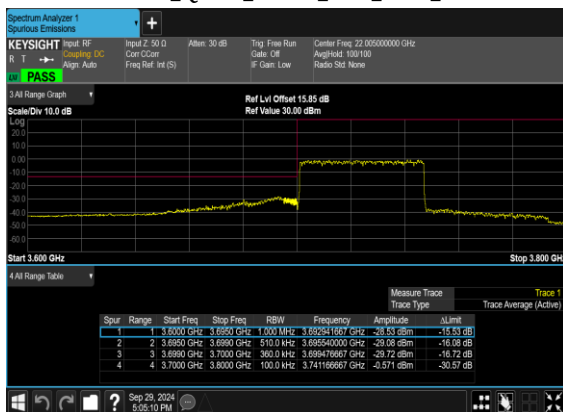
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@272	see graph	PASS

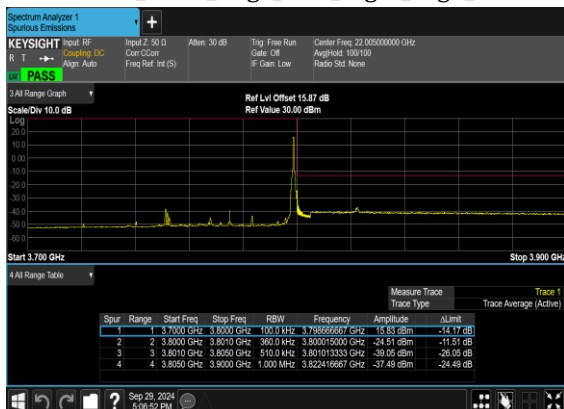
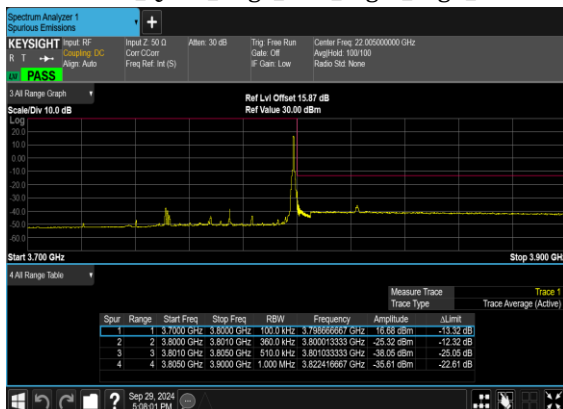
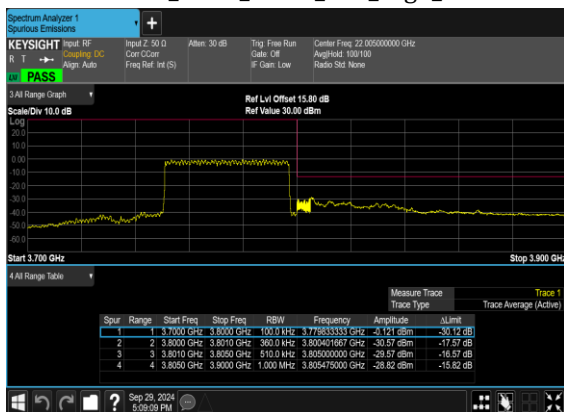
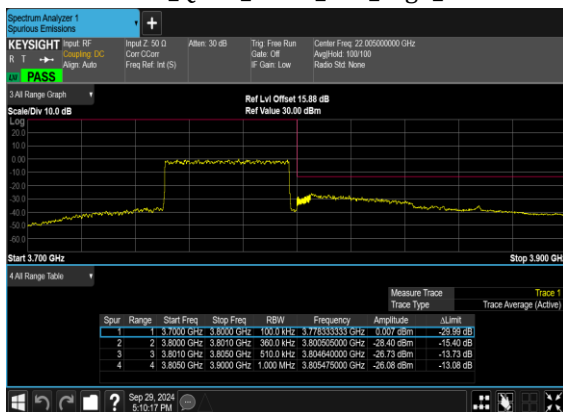


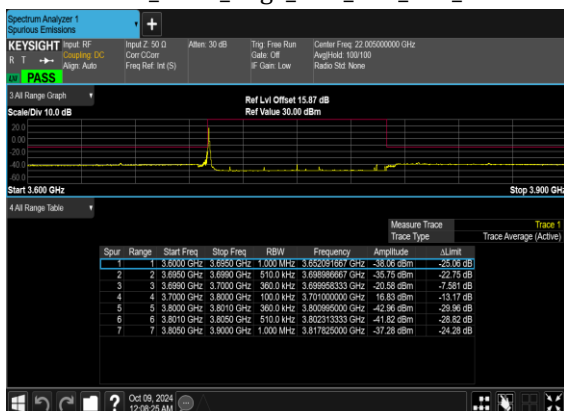
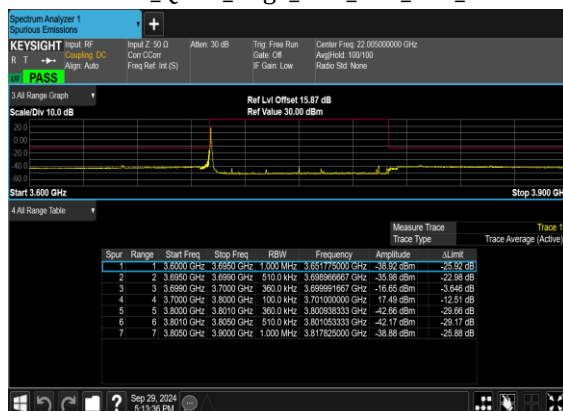
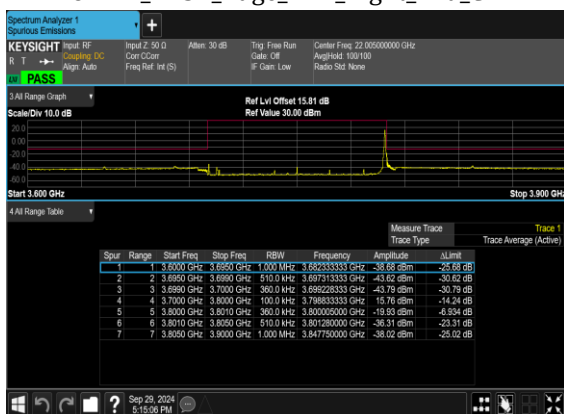
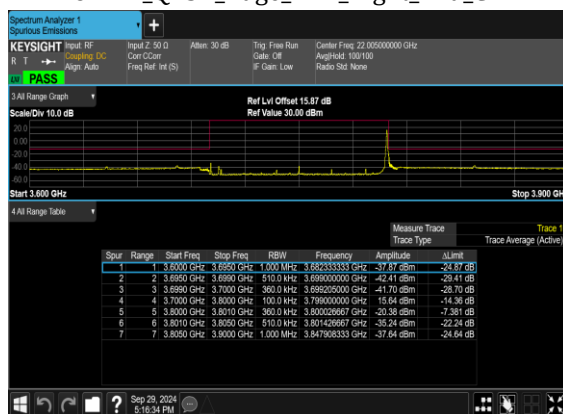
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

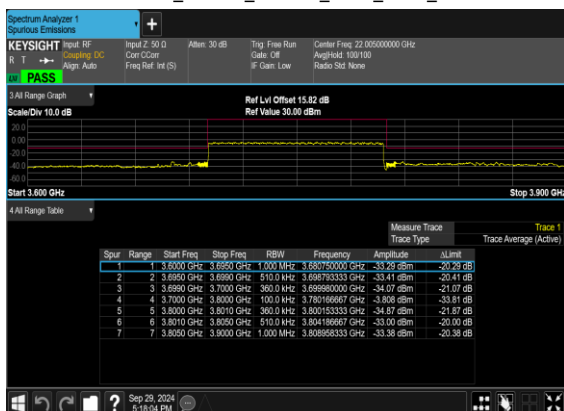
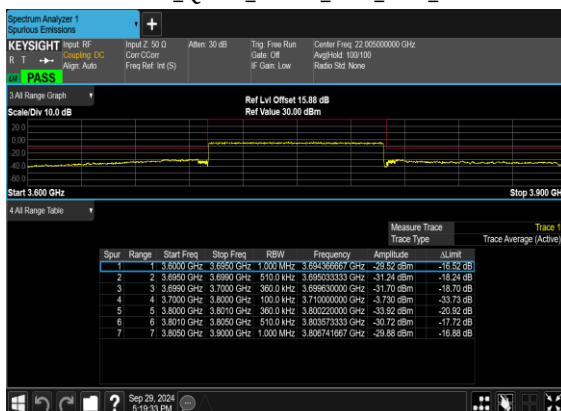
N78(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN78(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN78(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN78(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N78(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN78(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN78(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN78(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN78(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN78(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN78(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN78(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

N78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN78(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CHN78(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

N78(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CHN78(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Reid Huang	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.

5G NR n77 SA / NR 100MHz / QPSK / 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	7582.36	-58.06	-13	-45.06	-49.38	-59.58	11.98	13.50	H
	11373.54	-50.76	-13	-37.76	-51.33	-50.76	13.60	13.60	H
	15164.72	-54.93	-13	-41.93	-55.24	-54.53	15.50	15.10	H
	7582.36	-57.35	-13	-44.35	-48.46	-58.87	11.98	13.50	V
	11373.54	-52.99	-13	-39.99	-53.37	-52.99	13.60	13.60	V
	15164.72	-54.30	-13	-41.30	-54.92	-53.90	15.50	15.10	V

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

EN-DC_41A_n77A / LTE 20MHz + NR 100MHz / QPSK/ANT(4+3)									
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	-55.35	-13	-42.35	-46.67	-56.87	11.98	13.50	H
	11373.54	-54.56	-13	-41.56	-55.13	-54.56	13.60	13.60	H
	15164.72	-54.80	-13	-41.80	-55.11	-54.40	15.50	15.10	H
	7582.36	-58.07	-13	-45.07	-49.18	-59.59	11.98	13.50	V
	11373.54	-54.83	-13	-41.83	-55.21	-54.83	13.60	13.60	V
	15164.72	-54.74	-13	-41.74	-55.36	-54.34	15.50	15.10	V
LTE Band41 Middle	5177.00	-61.60	-25	-36.60	-79.14	-67.16	7.14	12.70	H
	7765.50	-52.72	-25	-27.72	-44.20	-56.02	8.30	11.60	H
	10354.00	-58.54	-25	-33.54	-54.10	-60.06	10.48	12.00	H
	5177.00	-61.85	-25	-36.85	-79.33	-67.41	7.14	12.70	V
	7765.50	-59.01	-25	-34.01	-50.47	-62.31	8.30	11.60	V
	10354.00	-58.59	-25	-33.59	-53.95	-60.11	10.48	12.00	V

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



5G NR n78 SA / NR 100MHz / QPSK / 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	7402.5	-59.22	-13	-46.22	-51.06	-60.74	11.98	13.50	H
	11103.75	-52.92	-13	-39.92	-52.39	-52.92	13.60	13.60	H
	14805	-52.68	-13	-39.68	-54.16	-52.28	15.50	15.10	H
	7402.5	-59.07	-13	-46.07	-50.96	-60.59	11.98	13.50	V
	11103.75	-55.28	-13	-42.28	-54.45	-55.28	13.60	13.60	V
	14805	-52.55	-13	-39.55	-54.22	-52.15	15.50	15.10	V

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

EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK/ANT(4+3)									
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 n78 Middle	7549.98	-59.95	-13	-46.95	-51.39	-61.47	11.98	13.50	H
	11324.97	-54.97	-13	-41.97	-55.34	-54.97	13.60	13.60	H
	15099.96	-54.45	-13	-41.45	-55.00	-54.05	15.50	15.10	H
	7549.98	-60.07	-13	-47.07	-51.35	-61.59	11.98	13.50	V
	11324.97	-55.17	-13	-42.17	-55.33	-55.17	13.60	13.60	V
	15099.96	-54.03	-13	-41.03	-54.93	-53.63	15.50	15.10	V
LTE Band41 Middle	5177.00	-61.60	-25	-36.60	-79.04	-67.16	7.14	12.70	H
	7765.00	-55.72	-25	-30.72	-47.20	-59.02	8.30	11.60	H
	10354.00	-58.71	-25	-33.71	-54.27	-60.23	10.48	12.00	H
	5177.00	-62.18	-25	-37.18	-79.56	-67.74	7.14	12.70	V
	7765.00	-59.80	-25	-34.80	-51.26	-63.10	8.30	11.60	V
	10354.00	-58.91	-25	-33.91	-54.27	-60.43	10.48	12.00	V

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