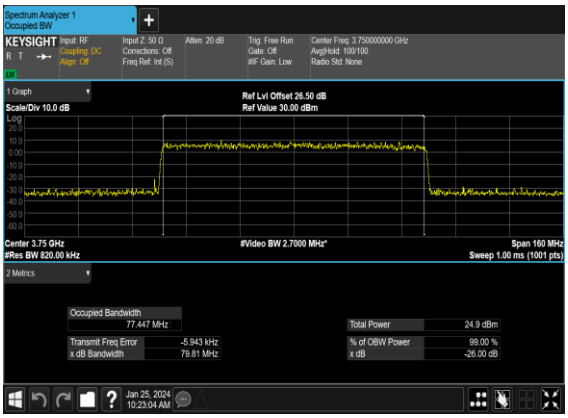
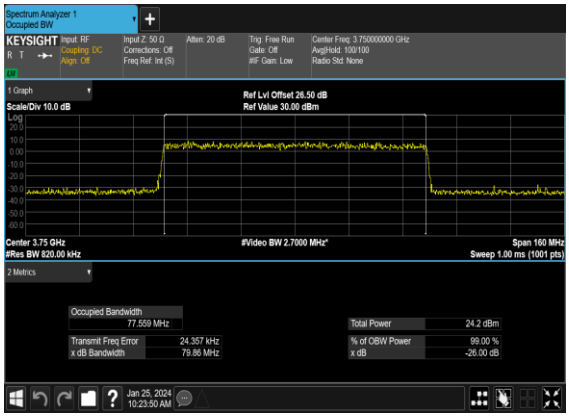
N78(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

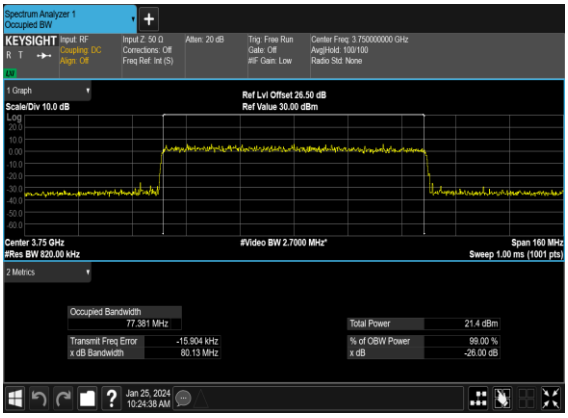
N78(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



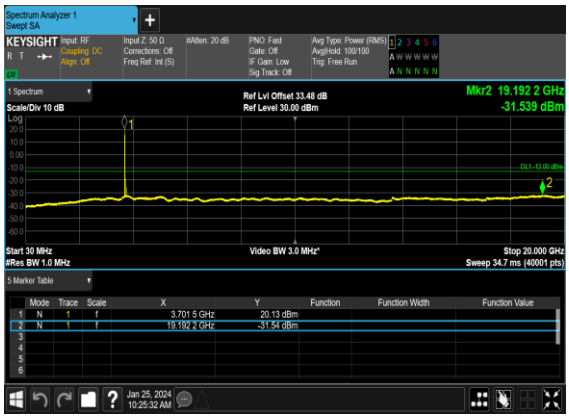
N78(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



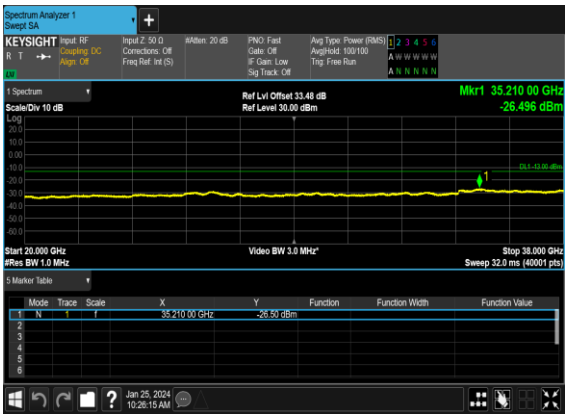
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	80	649334	3740.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	80	649334	3740.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	80	649334	3740.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	80	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	80	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	80	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	80	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	80	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	80	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	80	650666	3759.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	80	650666	3759.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	80	650666	3759.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

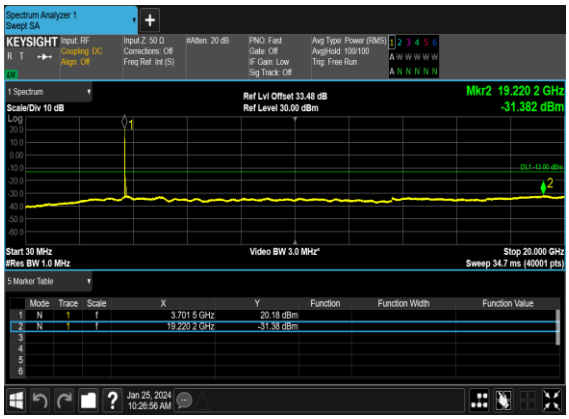
N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



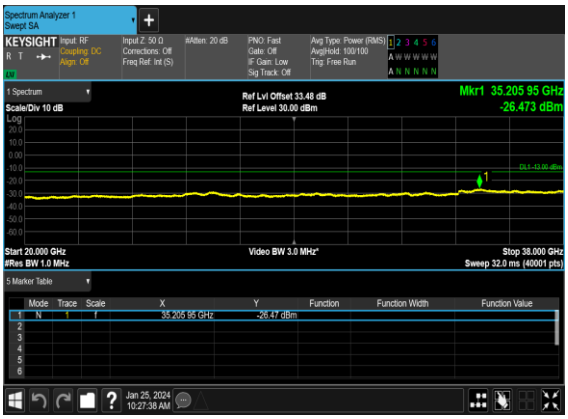
N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



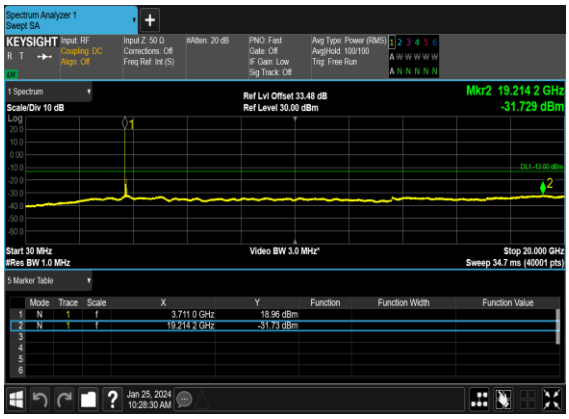
N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



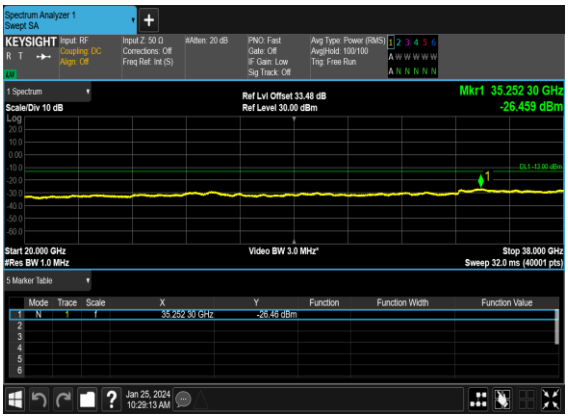
N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



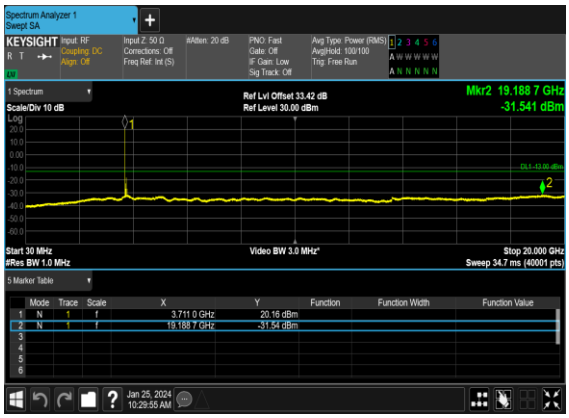
N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



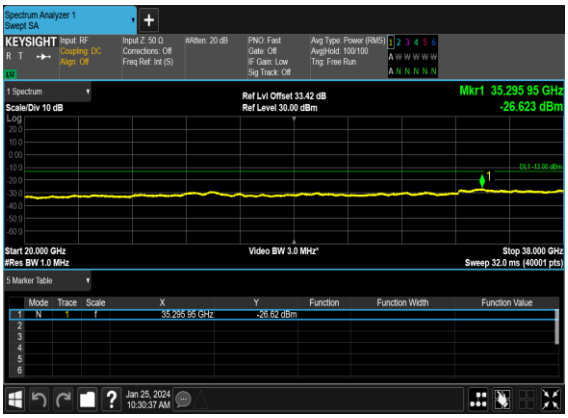
N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



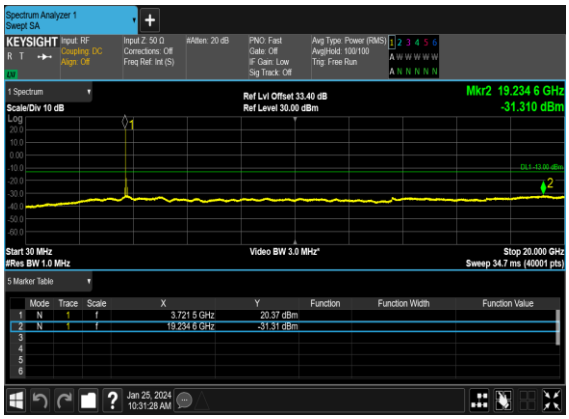
N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



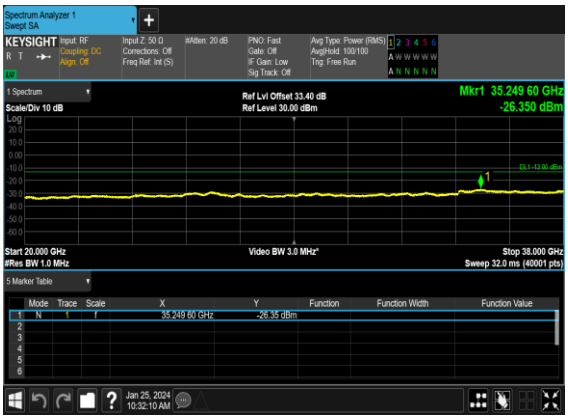
N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



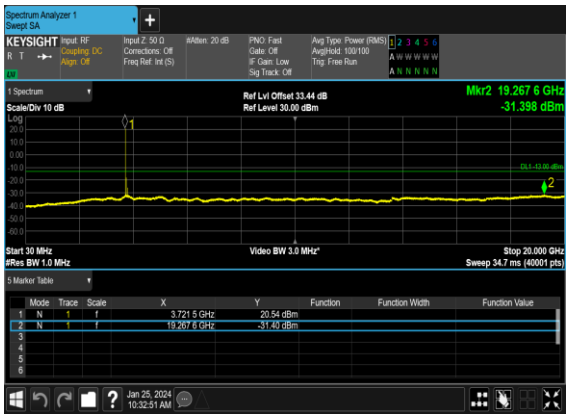
N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



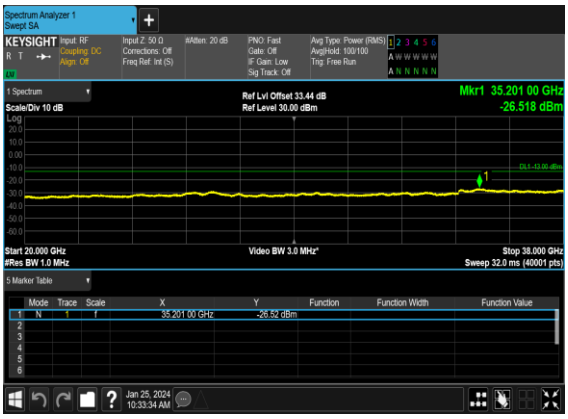
N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



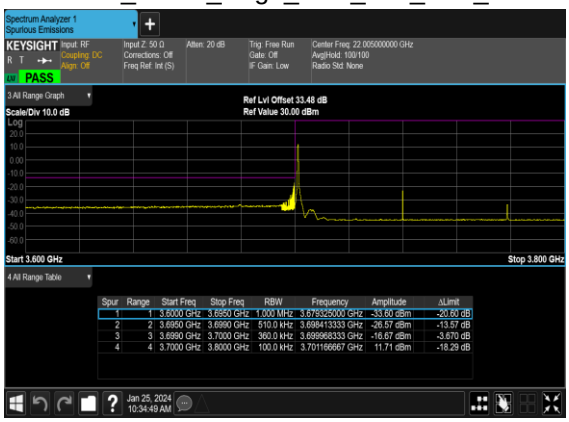
N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



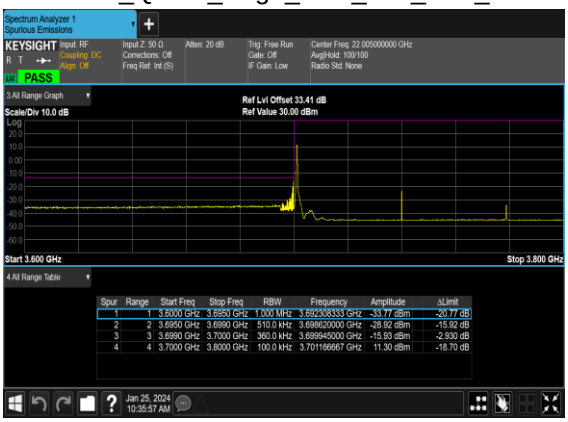
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	80	649334	3740.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	80	649334	3740.01	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	216@0	see graph	**PASS**
78	30	80	650666	3759.99	DFT-s-OFDM BPSK	1@216	see graph	**PASS**
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@216	see graph	**PASS**
78	30	80	650666	3759.99	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	216@0	see graph	**PASS**

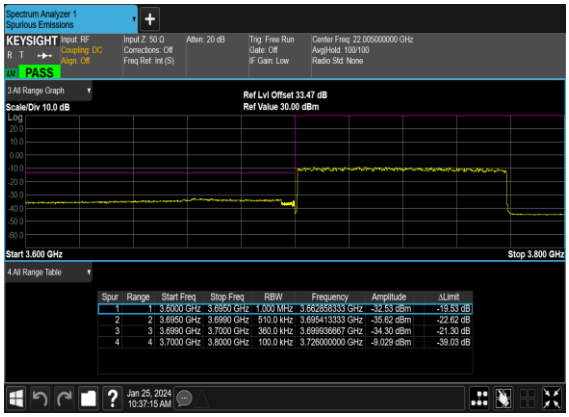
N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



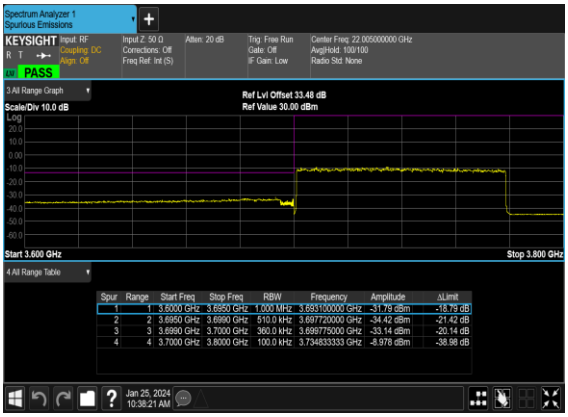
N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(80M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



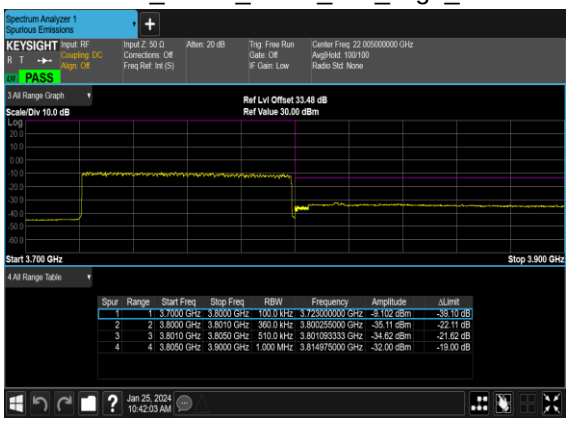
N78(80M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



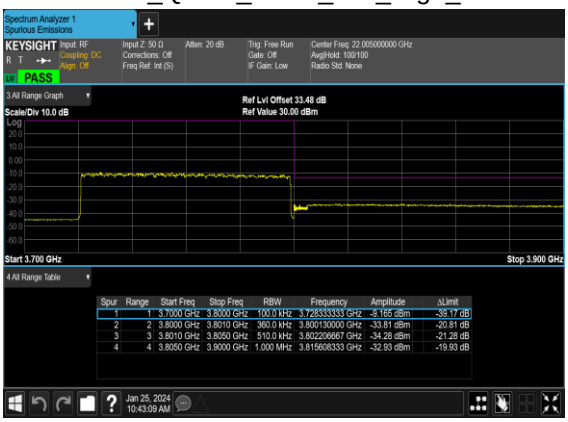
N78(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N78(80M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N78(80M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N78(80M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK(Ant.0+0)								
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	7584	-58.59	-13	-45.59	-68.80	3.03	13.24	H
	11376	-51.23	-13	-38.23	-60.68	3.56	13.01	H
	15180	-60.13	-13	-47.13	-69.65	3.92	13.44	H
	7584	-56.87	-13	-43.87	-67.08	3.03	13.24	V
	11376	-54.17	-13	-41.17	-63.62	3.56	13.01	V
	15180	-60.24	-13	-47.24	-69.76	3.92	13.44	V

EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK(Ant.0+0)								
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	7404	-56.67	-13	-43.67	-66.88	3.03	13.24	H
	11100	-48.35	-13	-35.35	-57.80	3.56	13.01	H
	14820	-58.65	-13	-45.65	-68.17	3.92	13.44	H
	7404	-52.21	-13	-39.21	-62.42	3.03	13.24	V
	11100	-50.94	-13	-37.94	-60.39	3.56	13.01	V
	14820	-58.99	-13	-45.99	-68.51	3.92	13.44	V

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