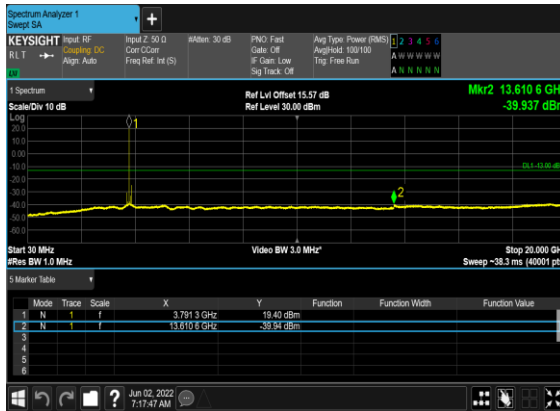
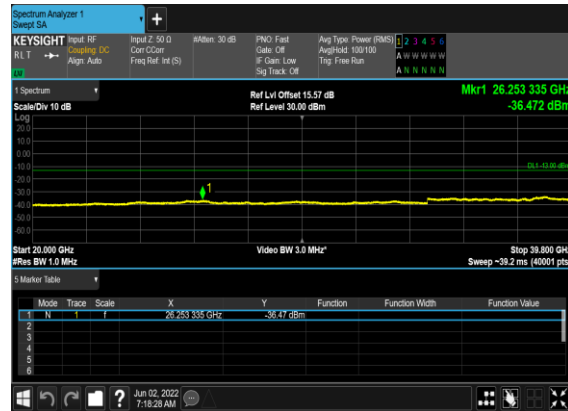


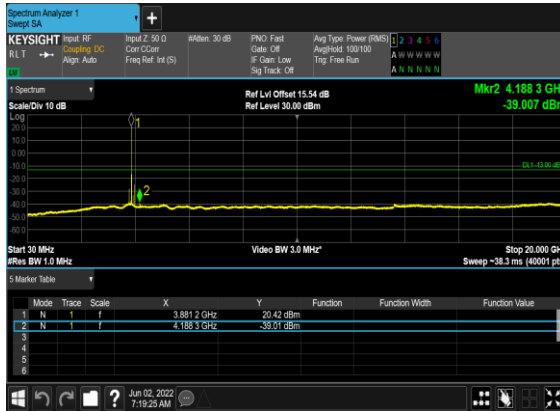
B5_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



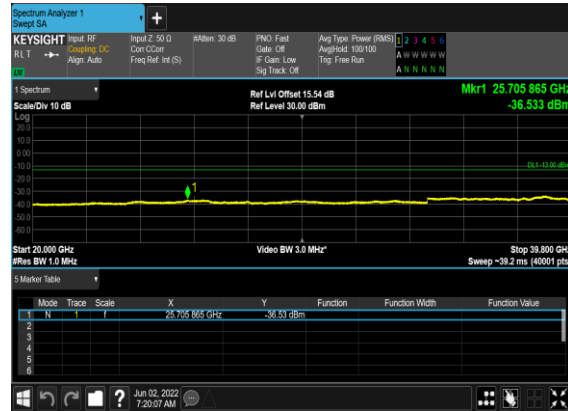
B5_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



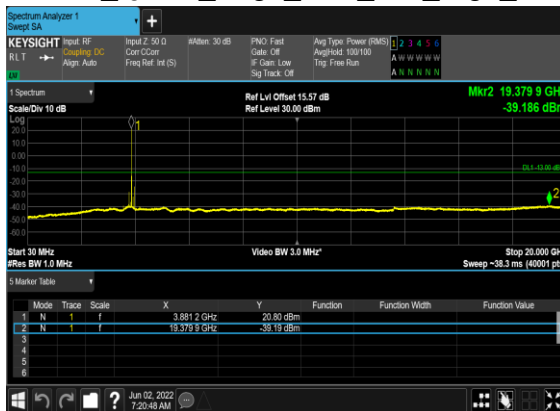
B5_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



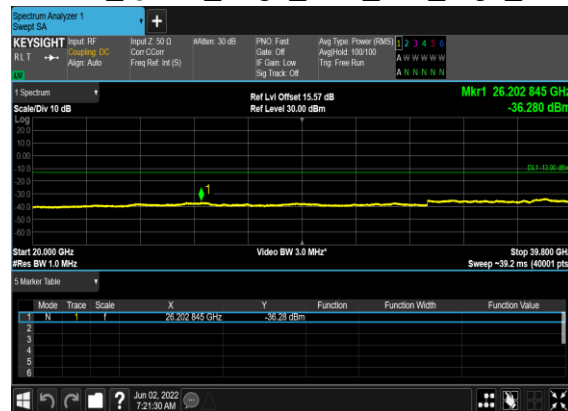
B5_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



B5_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



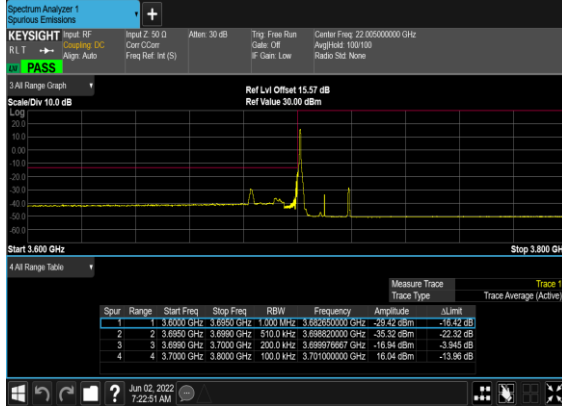
B5_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



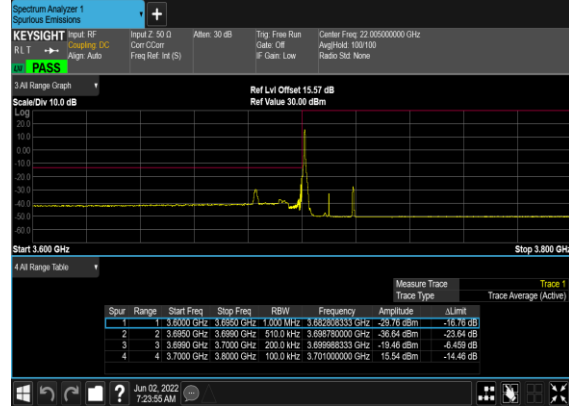
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@161	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	162@0	see graph	PASS
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	162@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

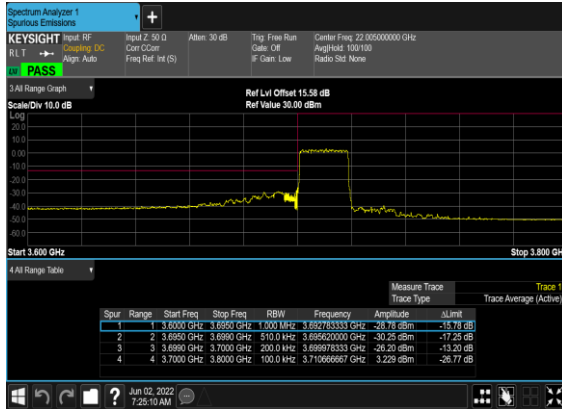
B5_N77(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



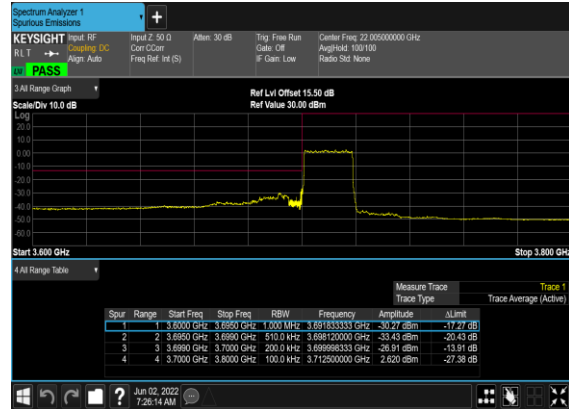
B5_N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



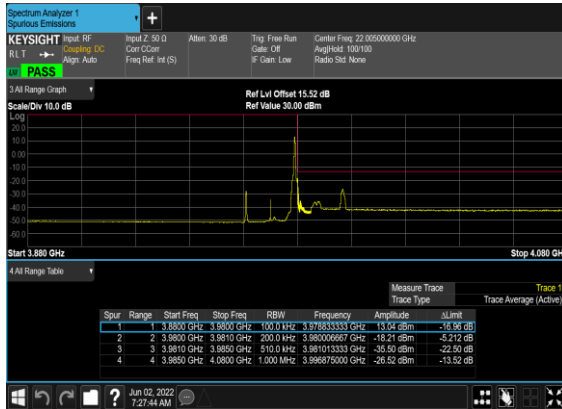
B5_N77(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



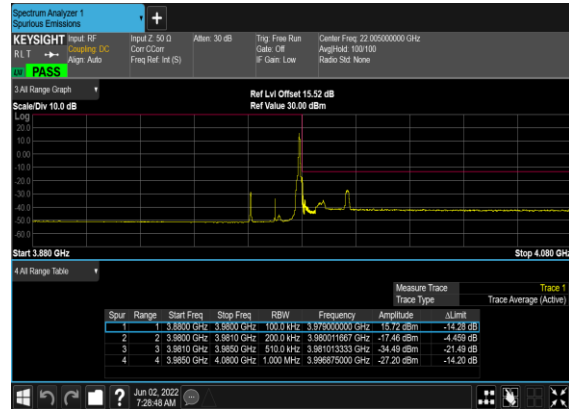
B5_N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



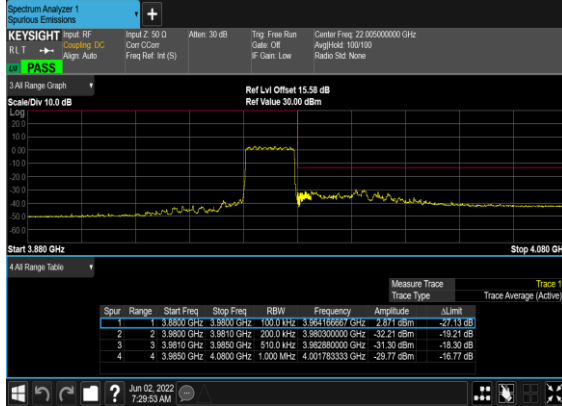
B5_N77(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B5_N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



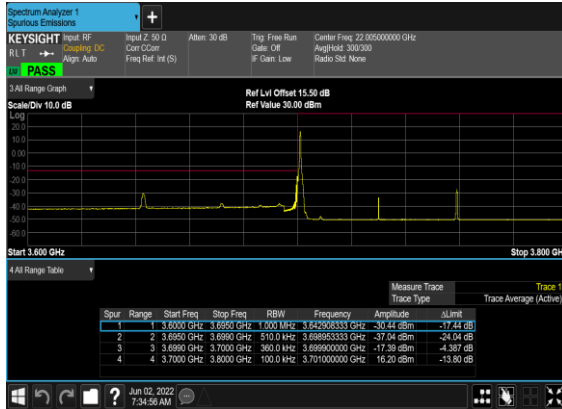
B5_N77(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



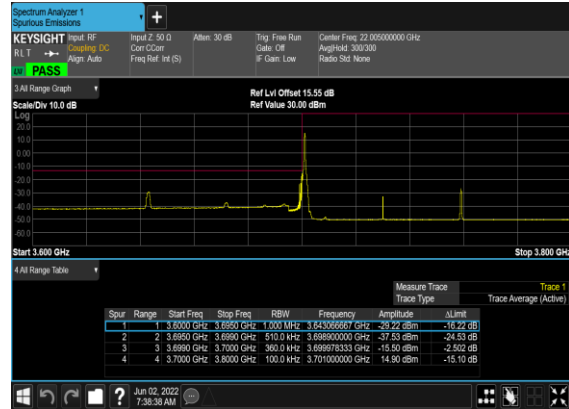
B5_N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



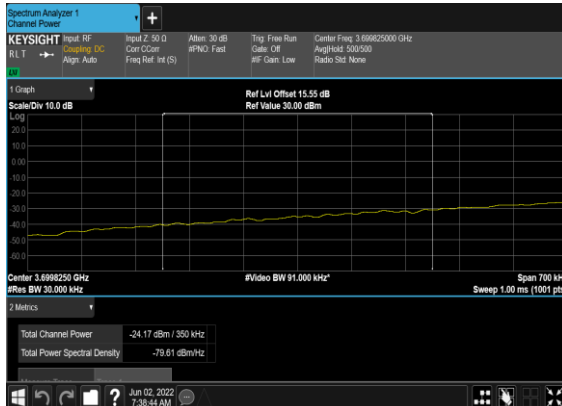
B5_N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



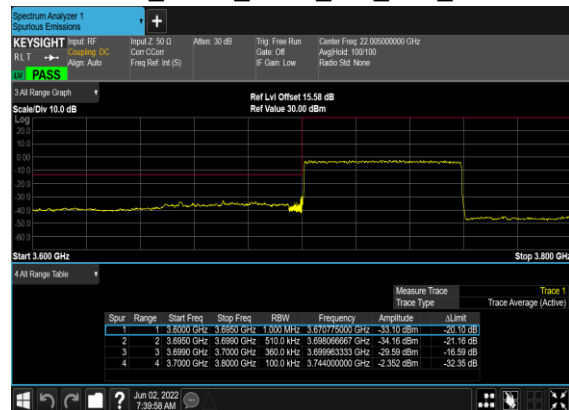
B5_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH CHP_PA
SS



B5_N77(60M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



B5_N77(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



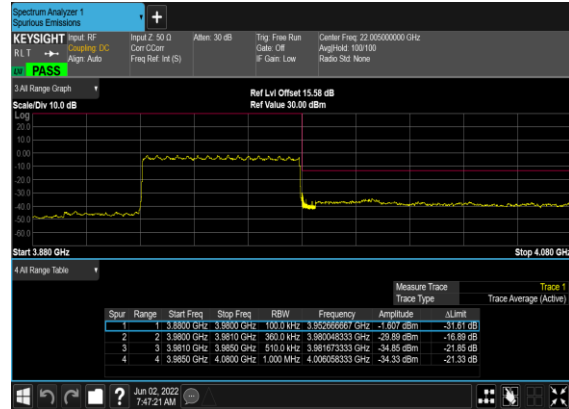
B5_N77(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



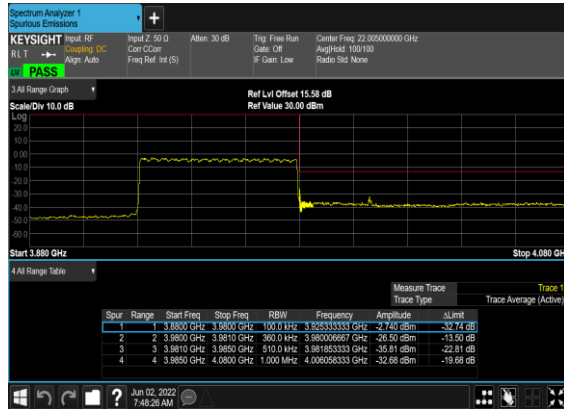
B5_N77(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



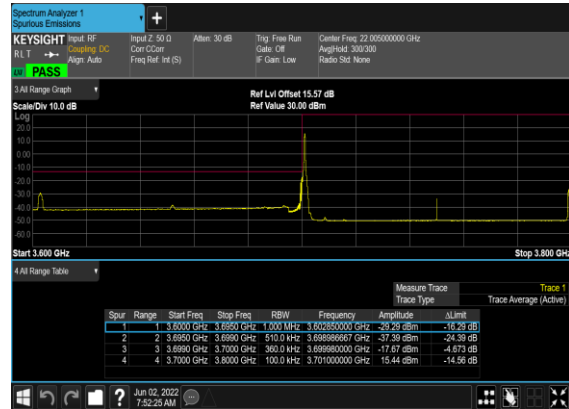
B5_N77(60M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



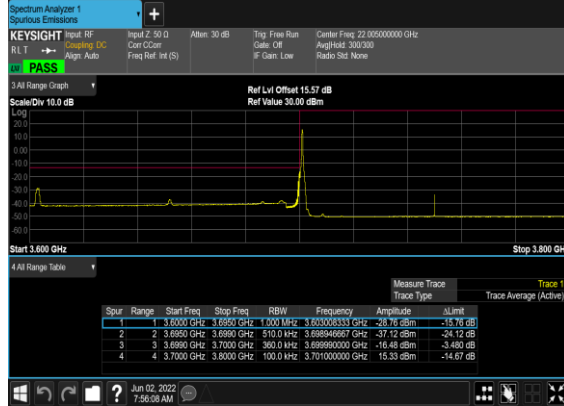
B5_N77(60M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



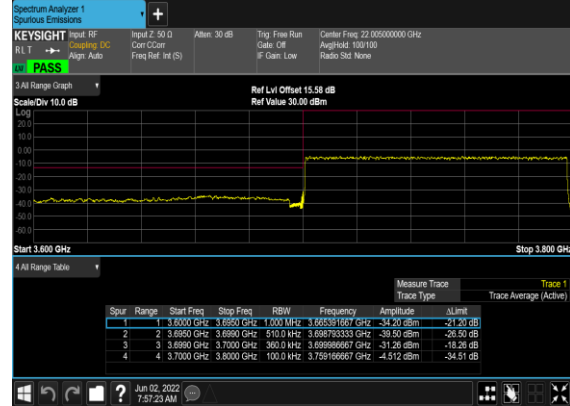
B5_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



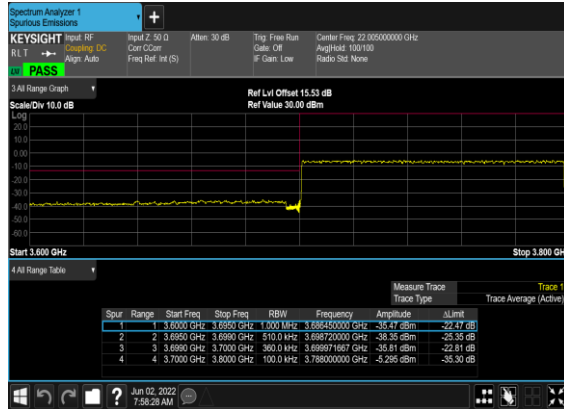
B5_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



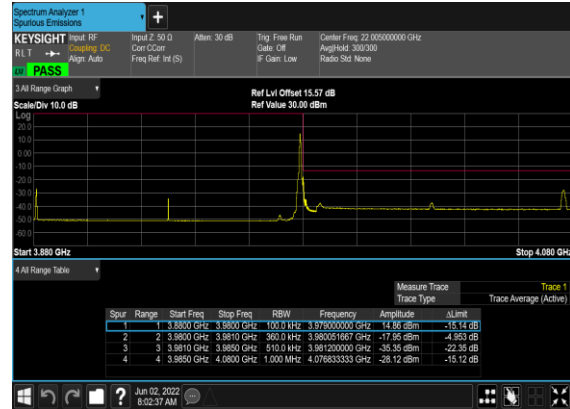
B5_N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



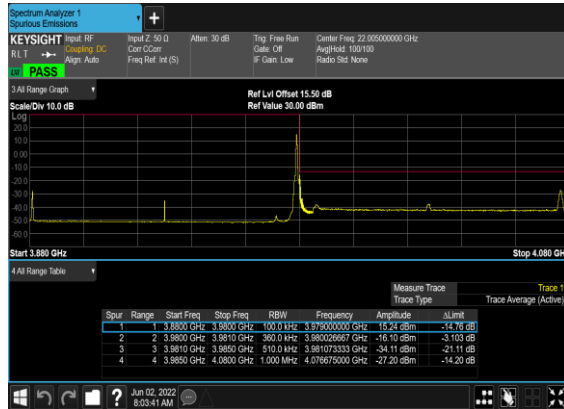
B5_N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



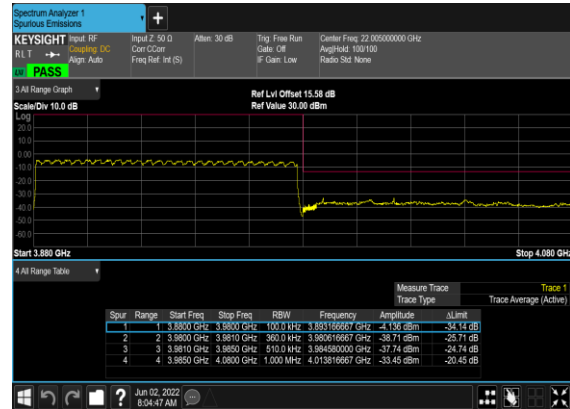
B5_N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



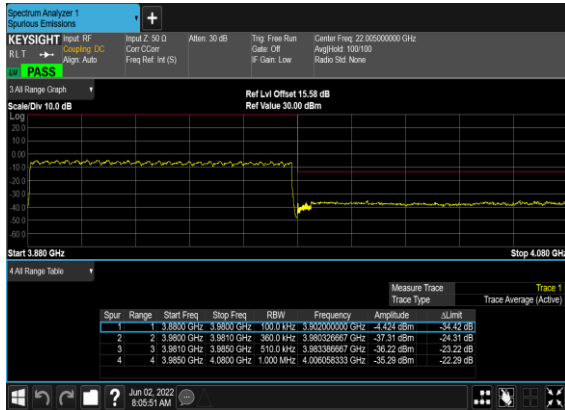
B5_N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B5_N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B5_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shiwei Wen	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pre-scanned all the support antennas and ENDC, only the worst cases are shown in the report.

n77 SA / NR 100MHz / QPSK(ANT5)									
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	7402.50	-56.64	-13	-43.64	-65.05	-59.97	8.26	11.59	H
	11106.00	-51.88	-13	-38.88	-65.72	-53.41	10.45	11.98	H
	14808.00	-54.98	-13	-41.98	-70.60	-56.65	11.78	13.45	H
	7402.50	-55.33	-13	-42.33	-63.71	-58.66	8.26	11.59	V
	11106.00	-45.41	-13	-32.41	-61.18	-46.94	10.45	11.98	V
	14808.00	-54.59	-13	-41.59	-70.49	-56.26	11.78	13.45	V
Middle	7582.50	-57.21	-13	-44.21	-65.15	-60.51	8.30	11.60	H
	11373.75	-53.72	-13	-40.72	-67.68	-55.24	10.48	12.00	H
	15165.00	-52.68	-13	-39.68	-69.57	-54.38	11.80	13.50	H
	7582.50	-54.74	-13	-41.74	-62.68	-58.04	8.30	11.60	V
	11373.75	-51.46	-13	-38.46	-69.5	-52.98	10.48	12.00	V
	15165.00	-53.06	-13	-40.06	-69.94	-54.76	11.80	13.50	V
Highest	7762.50	-53.92	-13	-40.92	-61.47	-57.22	8.33	11.63	H
	11643.75	-54.76	-13	-41.76	-69.38	-56.36	10.50	12.10	H
	15525.00	-52.06	-13	-39.06	-70.16	-53.78	11.82	13.54	H
	7762.50	-49.04	-13	-36.04	-60.02	-52.34	8.33	11.63	V
	11643.75	-50.92	-13	-37.92	-68.39	-52.52	10.50	12.10	V
	15525.00	-53.79	-13	-40.79	-70.25	-55.51	11.82	13.54	V

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



EN-DC_5A_n77A / LTE 10MHz + NR 100MHz / QPSK(1+5)									
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 Lowest	7402.50	-55.62	-13	-42.62	-79.54	-58.95	8.26	11.59	H
	11106.00	-44.34	-13	-31.34	-72.87	-46.01	11.78	13.45	H
	14808.00	-48.15	-13	-35.15	-80.62	-48.81	12.90	13.56	H
	7402.50	-54.83	-13	-41.83	-79.06	-58.16	8.26	11.59	V
	11106.00	-41.15	-13	-28.15	-69.42	-42.82	11.78	13.45	V
	14808.00	-45.99	-13	-32.99	-80.63	-46.65	12.90	13.56	V
LTE Band5 Lowest	1664.18	-67.38	-13	-54.38	-74.38	-70.61	3.98	9.36	H
	2496.27	-63.71	-13	-50.71	-75.39	-67.26	4.85	10.55	H
	3328.36	-62.13	-13	-49.13	-77.00	-67.06	5.50	12.58	H
	1664.18	-67.41	-13	-54.41	-74.55	-70.64	3.98	9.36	V
	2496.27	-63.67	-13	-50.67	-75.44	-67.22	4.85	10.55	V
	3328.36	-61.76	-13	-48.76	-76.61	-66.69	5.50	12.58	V
NR n77 Middle	7582.50	-55.35	-13	-42.35	-78.94	-58.65	8.30	11.60	H
	11373.75	-49.10	-13	-36.10	-78.93	-50.80	11.80	13.50	H
	15165.00	-47.82	-13	-34.82	-81.47	-48.42	13.00	13.60	H
	7582.50	-53.58	-13	-40.58	-77.65	-56.88	8.30	11.60	V
	11373.75	-47.33	-13	-34.33	-77.12	-49.03	11.80	13.50	V
	15165.00	-46.42	-13	-33.42	-81.65	-47.02	13.00	13.60	V
LTE Band5 Middle	1664.18	-67.37	-13	-54.37	-74.37	-70.62	4.00	9.40	H
	2496.27	-63.78	-13	-50.78	-75.46	-67.35	4.88	10.60	H
	3328.36	-61.76	-13	-48.76	-76.63	-66.69	5.52	12.60	H
	1664.18	-67.10	-13	-54.10	-74.24	-70.35	4.00	9.40	V
	2496.27	-63.75	-13	-50.75	-75.52	-67.32	4.88	10.60	V
	3328.36	-62.17	-13	-49.17	-77.02	-67.10	5.52	12.60	V
NR n77 Highest	7762.50	-55.53	-13	-42.53	-78.80	-58.83	8.33	11.63	H
	11643.75	-50.01	-13	-37.01	-80.36	-51.73	11.82	13.54	H
	15525.00	-46.93	-13	-33.93	-81.22	-47.53	13.02	13.62	H
	7762.50	-54.64	-13	-41.64	-78.56	-57.94	8.33	11.63	V
	11643.75	-45.34	-13	-32.34	-75.65	-47.06	11.82	13.54	V
	15525.00	-46.89	-13	-33.89	-81.01	-47.49	13.02	13.62	V
LTE Band5 Highest	1664.18	-67.42	-13	-54.42	-74.42	-70.59	4.10	9.42	H
	2496.27	-63.84	-13	-50.84	-75.52	-67.42	4.90	10.63	H
	3328.36	-61.89	-13	-48.89	-76.76	-66.81	5.55	12.62	H
	1664.18	-67.32	-13	-54.32	-74.46	-70.49	4.10	9.42	V
	2496.27	-63.88	-13	-50.88	-75.65	-67.46	4.90	10.63	V
	3328.36	-61.88	-13	-48.88	-76.73	-66.80	5.55	12.62	V

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