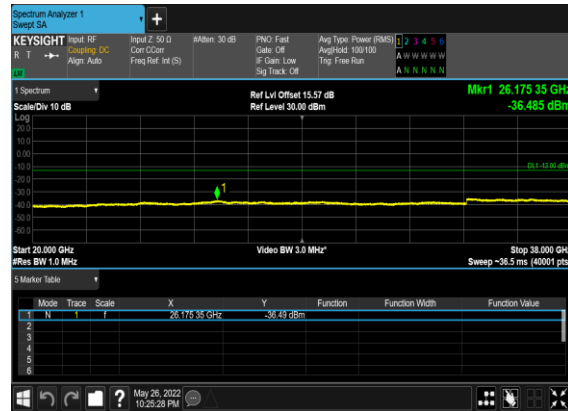


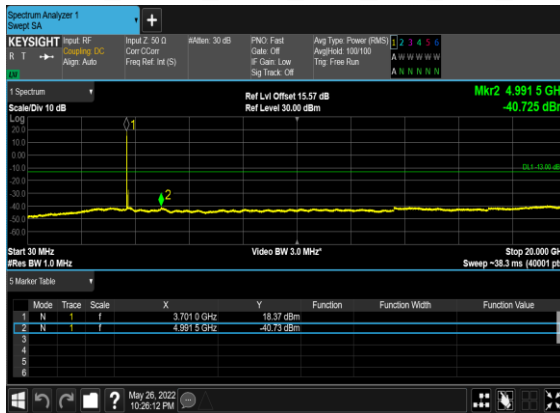
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



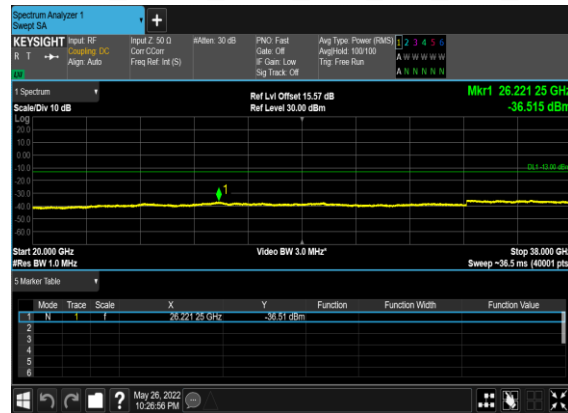
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



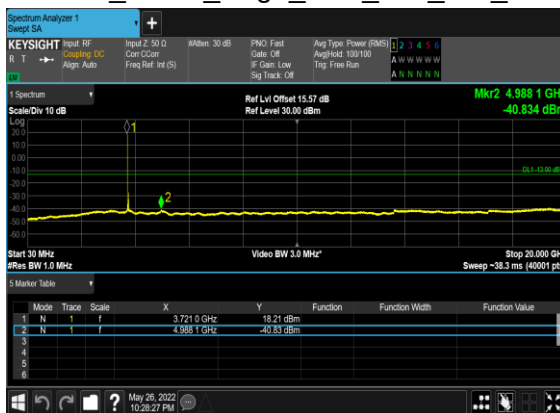
N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



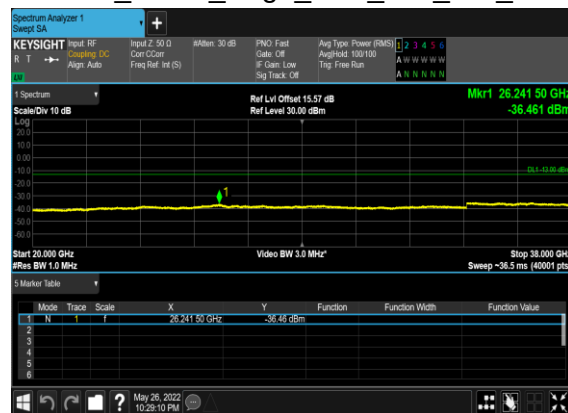
N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



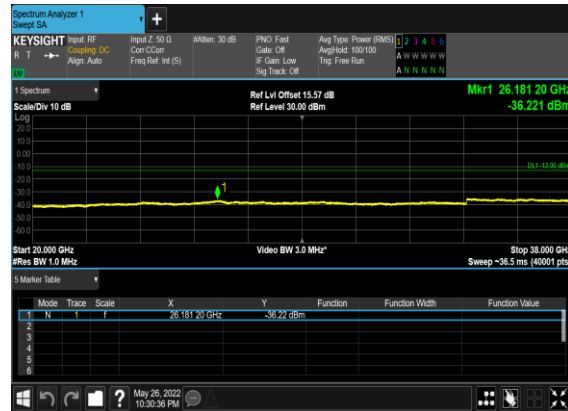
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(60M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



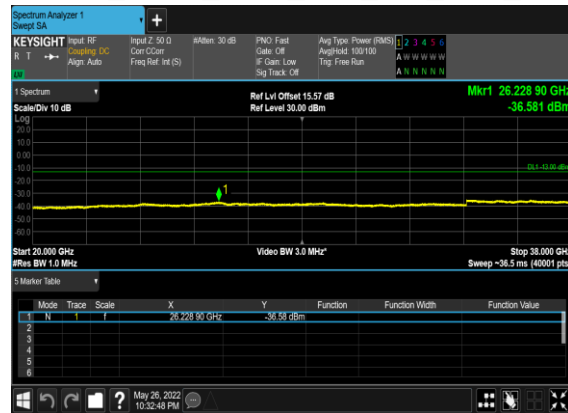
N78(60M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



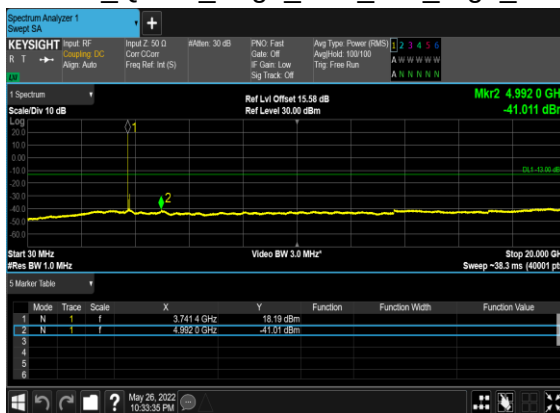
N78(60M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



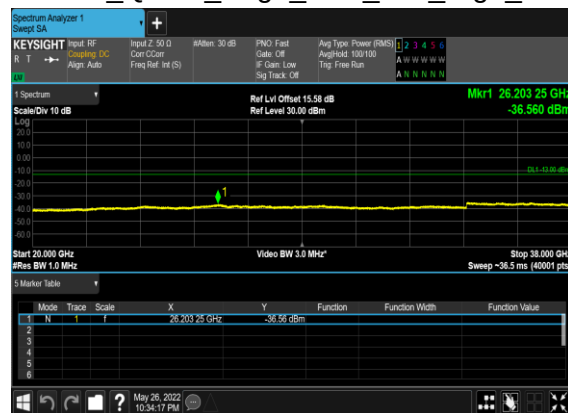
N78(60M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



N78(60M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



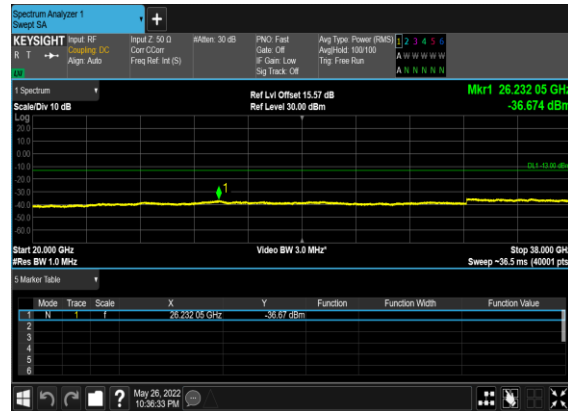
N78(60M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



N78(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



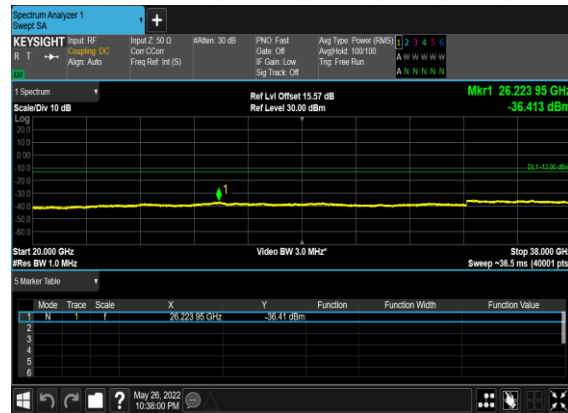
N78(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



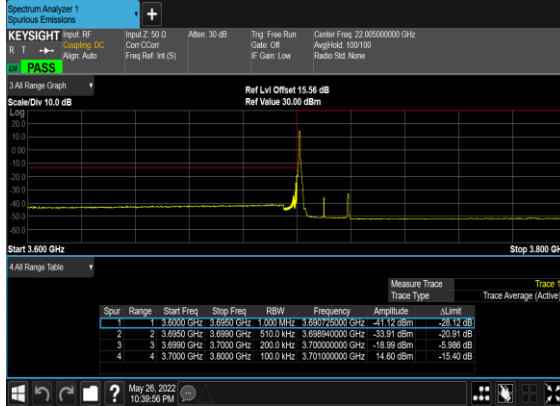
N78(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



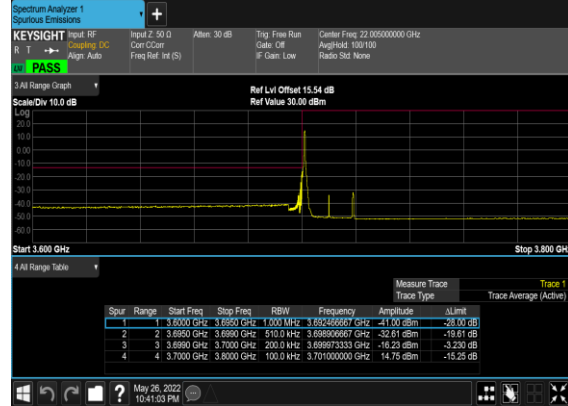
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	162@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

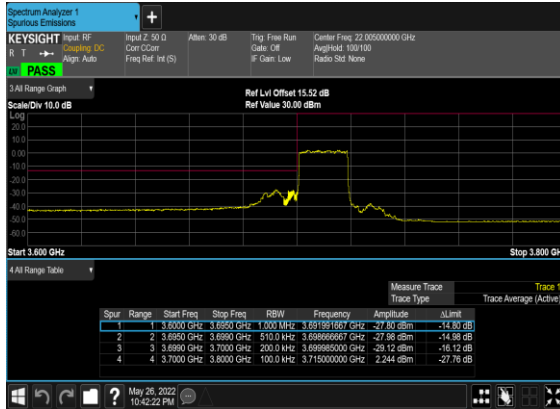
N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



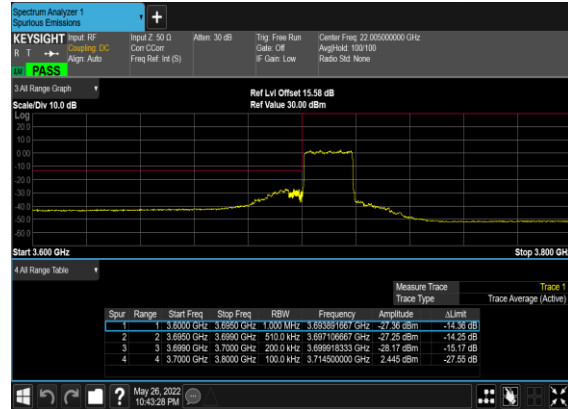
N78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



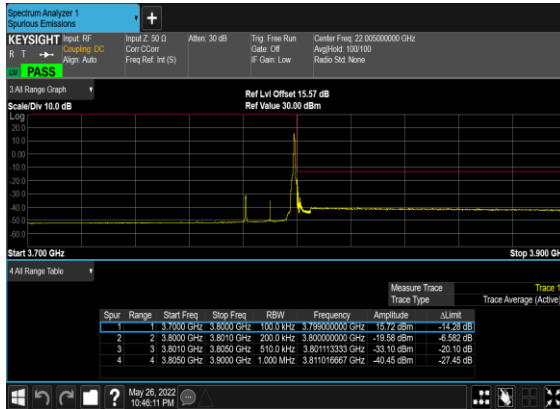
N78(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



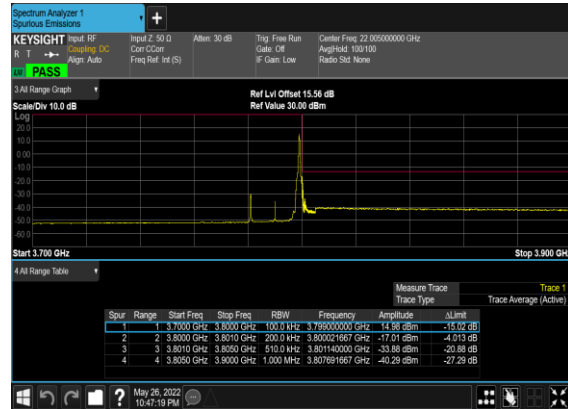
N78(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



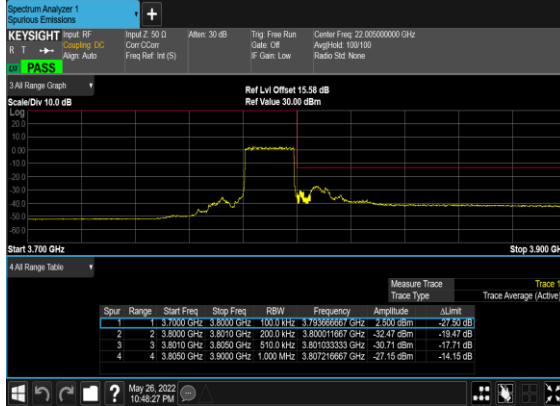
N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



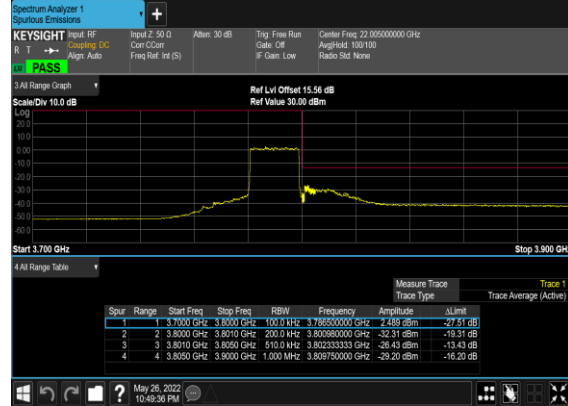
N78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



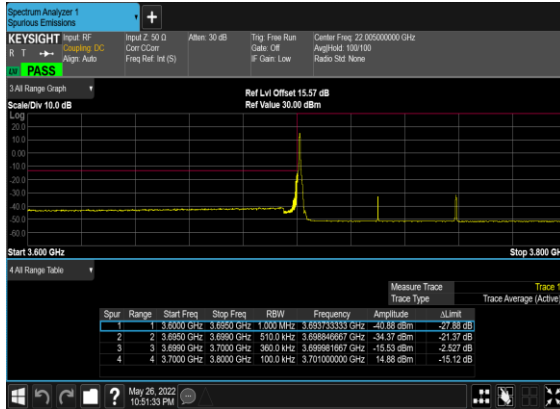
N78(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



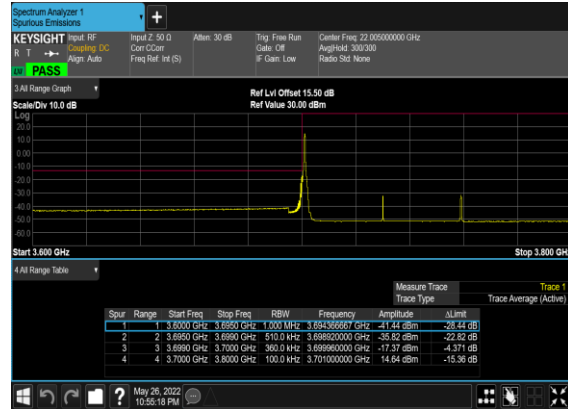
N78(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



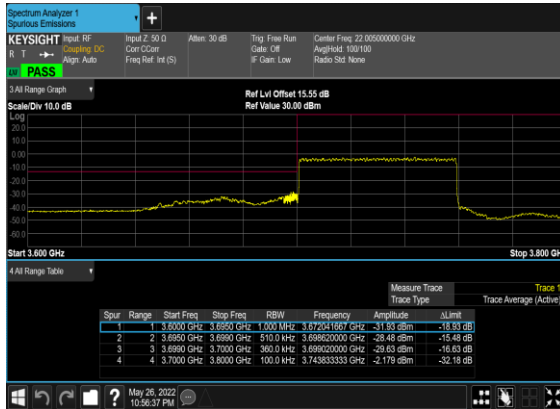
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



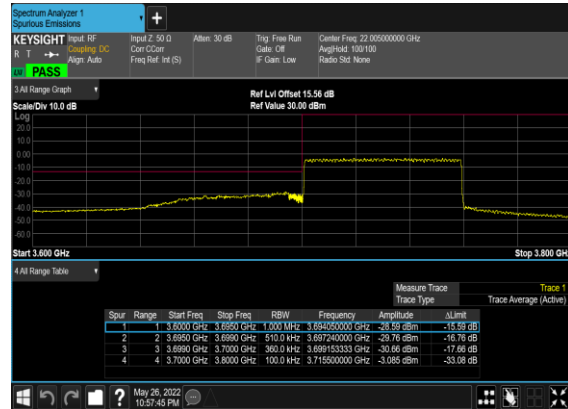
N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



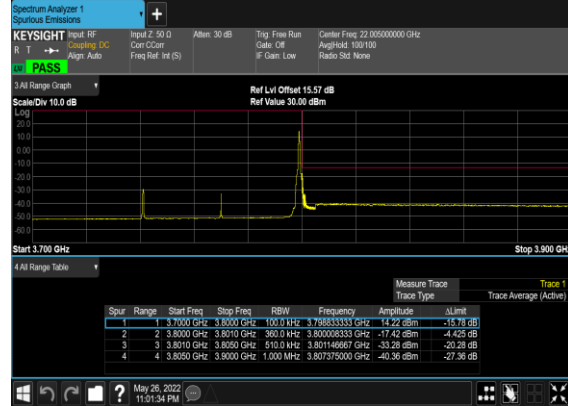
N78(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



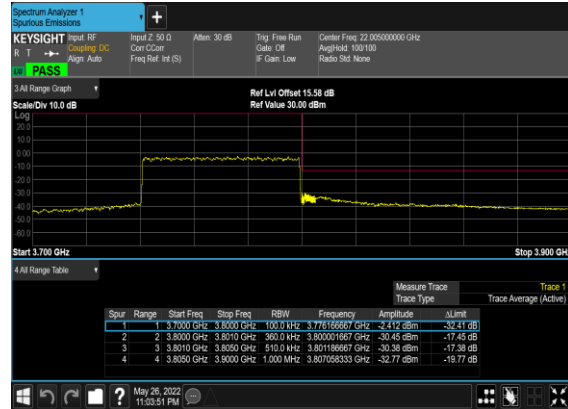
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



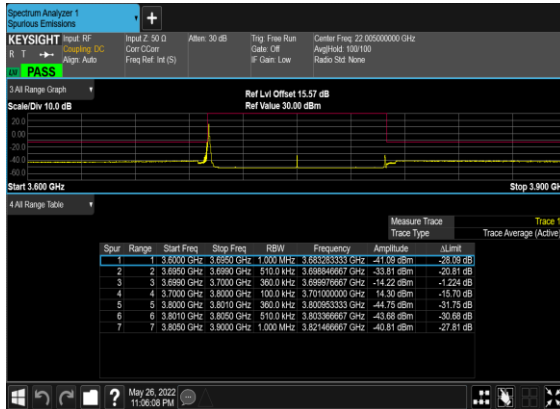
N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



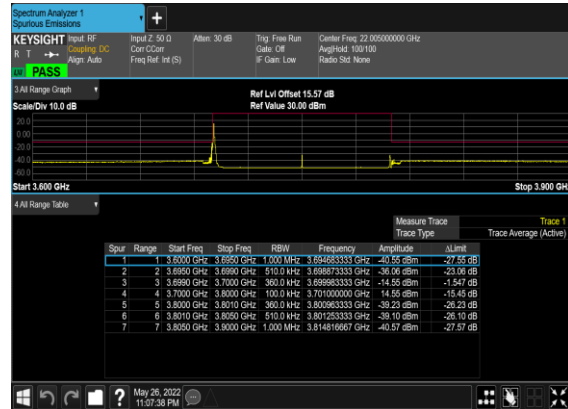
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



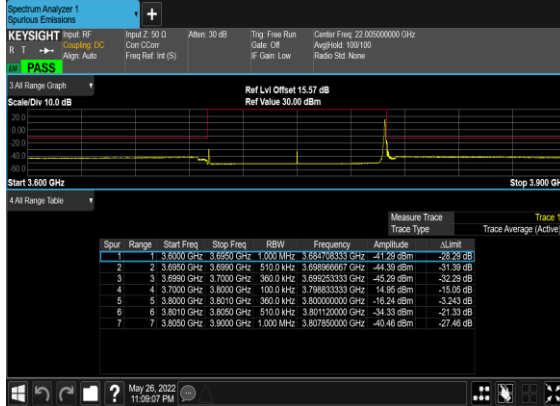
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



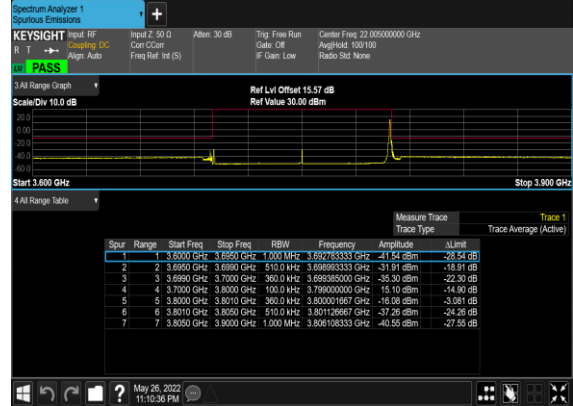
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



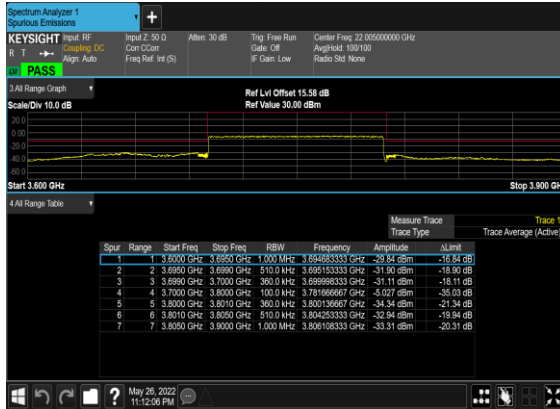
N78(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Mid_CH



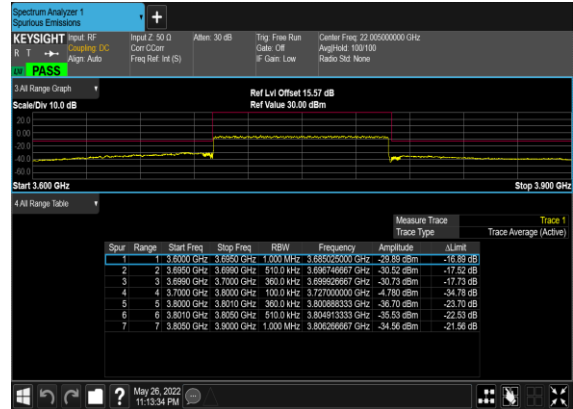
N78(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Mid_CH



N78(100M)_DFT-s- OFDM_BPSK_Outer_Full_Mid_CH



N78(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH





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 the different antenna and ENDC, we choose the worst antenna mode to test.

n77 SA / NR 100MHz / QPSK(ANT2)									
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	7500.00	-58.07	-13	-45.07	-66.27	-61.40	8.25	11.58	H
	11250.00	-54.40	-13	-41.40	-68.31	-55.95	10.45	12.00	H
	15003.00	-53.83	-13	-40.83	-70.22	-55.54	11.74	13.45	H
	7500.00	-58.33	-13	-45.33	-66.52	-61.66	8.25	11.58	V
	11250.00	-51.94	-13	-38.94	-68.55	-53.49	10.45	12.00	V
	15003.00	-53.18	-13	-40.18	-70.29	-54.89	11.74	13.45	V
Middle	7582.50	-53.39	-13	-40.39	-61.33	-56.69	8.30	11.60	H
	11373.75	-55.05	-13	-42.05	-69.01	-56.57	10.48	12.00	H
	15165.00	-52.46	-13	-39.46	-69.35	-54.16	11.80	13.50	H
	7582.50	-53.30	-13	-40.30	-61.24	-56.60	8.30	11.60	V
	11373.75	-50.85	-13	-37.85	-68.89	-52.37	10.48	12.00	V
	15165.00	-52.43	-13	-39.43	-69.31	-54.13	11.80	13.50	V
Highest	7762.50	-55.83	-13	-42.83	-63.38	-59.13	8.32	11.62	H
	11643.75	-54.46	-13	-41.46	-69.08	-56.14	10.52	12.20	H
	15525.00	-51.56	-13	-38.56	-69.66	-53.26	11.85	13.55	H
	7762.50	-53.72	-13	-40.72	-64.7	-57.02	8.32	11.62	V
	11643.75	-51.50	-13	-38.50	-68.97	-53.18	10.52	12.20	V
	15525.00	-53.17	-13	-40.17	-69.63	-54.87	11.85	13.55	V

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



EN-DC 41A_n77A / LTE 20MHz + NR 100MHz / QPSK(ANT0+2)									
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	-58.09	-13	-45.09	-66.50	-61.42	8.25	11.58	H
	11103.75	-55.12	-13	-42.12	-68.96	-56.67	10.45	12.00	H
	14805.00	-54.43	-13	-41.43	-70.05	-56.14	11.74	13.45	H
	7402.50	-56.21	-13	-43.21	-64.59	-59.54	8.25	11.58	V
	11103.75	-53.10	-13	-40.10	-68.87	-54.65	10.45	12.00	V
	14805.00	-54.60	-13	-41.60	-70.50	-56.31	11.74	13.45	V
LTE Band41 Lowest	5168.00	-60.96	-25	-35.96	-65.22	-66.52	7.14	12.70	H
	7752.00	-57.30	-25	-32.30	-64.88	-60.60	8.30	11.60	H
	10336.00	-56.49	-25	-31.49	-68.22	-58.01	10.48	12.00	H
	5168.00	-60.39	-25	-35.39	-65.15	-65.95	7.14	12.70	V
	7752.00	-54.36	-25	-29.36	-65.03	-57.66	8.30	11.60	V
	10336.00	-54.27	-25	-29.27	-67.75	-55.79	10.48	12.00	V
NR n77 Middle	7582.50	-55.83	-13	-42.83	-63.77	-59.13	8.30	11.60	H
	11373.75	-55.04	-13	-42.04	-69.00	-56.56	10.48	12.00	H
	15165.00	-52.39	-13	-39.39	-69.28	-54.09	11.80	13.50	H
	7582.50	-56.50	-13	-43.50	-64.44	-59.80	8.30	11.60	V
	11373.75	-51.08	-13	-38.08	-69.12	-52.60	10.48	12.00	V
	15165.00	-52.34	-13	-39.34	-69.22	-54.04	11.80	13.50	V
LTE Band41 Middle	5168.00	-60.96	-25	-35.96	-65.22	-66.52	7.14	12.70	H
	7752.00	-57.65	-25	-32.65	-65.23	-60.95	8.30	11.60	H
	10336.00	-56.43	-25	-31.43	-68.16	-57.95	10.48	12.00	H
	5168.00	-59.77	-25	-34.77	-64.53	-65.33	7.14	12.70	V
	7752.00	-54.58	-25	-29.58	-65.25	-57.88	8.30	11.60	V
	10336.00	-54.51	-25	-29.51	-67.99	-56.03	10.48	12.00	V
NR n77 Highest	7762.50	-58.11	-13	-45.11	-65.66	-61.41	8.32	11.62	H
	11643.75	-54.38	-13	-41.38	-69.00	-56.06	10.52	12.20	H
	15525.00	-51.61	-13	-38.61	-69.71	-53.31	11.85	13.55	H
	7762.50	-51.81	-13	-38.81	-64.7	-55.11	8.32	11.62	V
	11643.75	-51.76	-13	-38.76	-69.23	-53.44	10.52	12.20	V
	15525.00	-53.30	-13	-40.30	-69.76	-55.00	11.85	13.55	V
LTE Band41 Highest	5168.00	-59.95	-25	-34.95	-64.21	-65.51	7.14	12.70	H
	7752.00	-57.03	-25	-32.03	-64.61	-60.33	8.30	11.60	H
	10336.00	-56.72	-25	-31.72	-68.45	-58.24	10.48	12.00	H
	5168.00	-59.59	-25	-34.59	-64.35	-65.15	7.14	12.70	V
	7752.00	-54.03	-25	-29.03	-64.7	-57.33	8.30	11.60	V
	10336.00	-54.60	-25	-29.60	-68.08	-56.12	10.48	12.00	V

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



n78 SA / NR 100MHz / QPSK(ANT2)									
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	7402.50	-56.38	-13	-43.38	-64.79	-59.68	8.30	11.60	H
	11103.75	-55.01	-13	-42.01	-68.85	-56.53	10.48	12.00	H
	14805.00	-54.12	-13	-41.12	-69.74	-55.82	11.80	13.50	H
	7402.50	-54.79	-13	-41.79	-63.17	-58.09	8.30	11.60	V
	11103.75	-53.06	-13	-40.06	-68.83	-54.58	10.48	12.00	V
	14805.00	-53.97	-13	-40.97	-69.87	-55.67	11.80	13.50	V

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

EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK(ANT0+2)									
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	7402.50	-57.52	-13	-44.52	-65.93	-60.82	8.30	11.60	H
	11103.75	-55.16	-13	-42.16	-69.00	-56.68	10.48	12.00	H
	14805.00	-54.77	-13	-41.77	-70.39	-56.47	11.80	13.50	H
	7402.50	-57.95	-13	-44.95	-66.33	-61.25	8.30	11.60	V
	11103.75	-52.73	-13	-39.73	-68.5	-54.25	10.48	12.00	V
	14805.00	-54.42	-13	-41.42	-70.32	-56.12	11.80	13.50	V
LTE Band41 Middle	5168.00	-60.09	-25	-35.09	-64.35	-65.65	7.14	12.70	H
	7752.00	-58.14	-25	-33.14	-65.72	-61.44	8.30	11.60	H
	10336.00	-56.37	-25	-31.37	-68.10	-57.89	10.48	12.00	H
	5168.00	-59.63	-25	-34.63	-64.39	-65.19	7.14	12.70	V
	7752.00	-51.90	-25	-26.90	-62.57	-55.20	8.30	11.60	V
	10336.00	-54.77	-25	-29.77	-68.25	-56.29	10.48	12.00	V

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