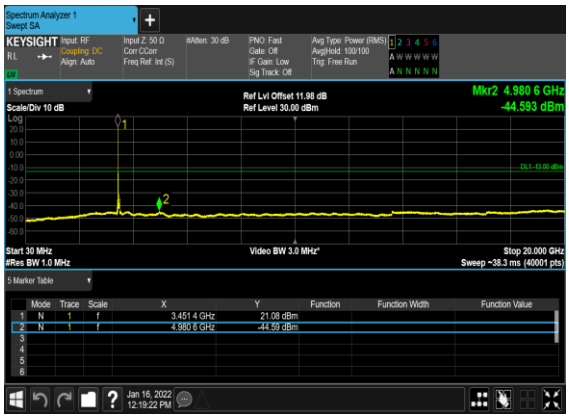
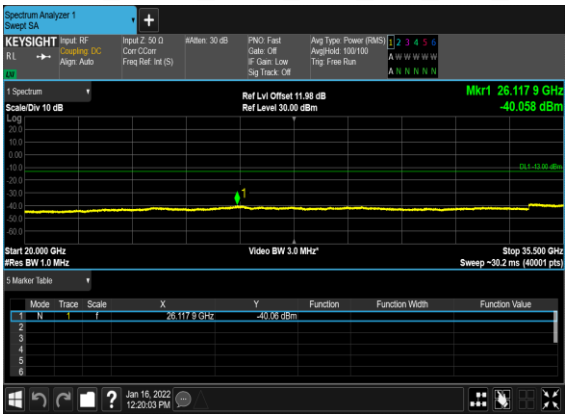
B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

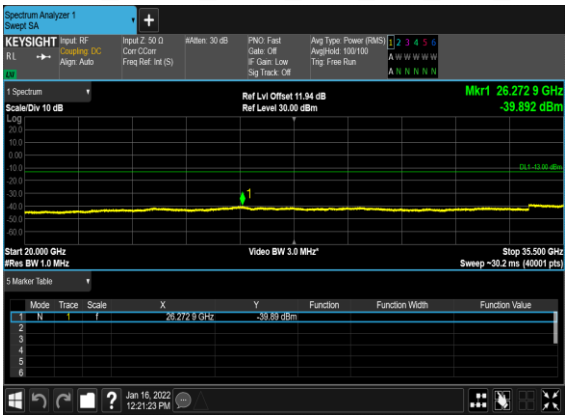


B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



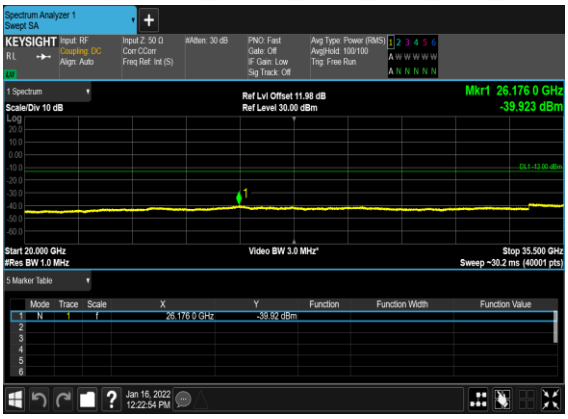
B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

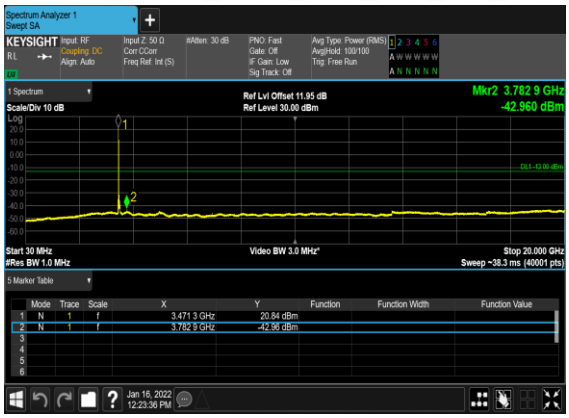


B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

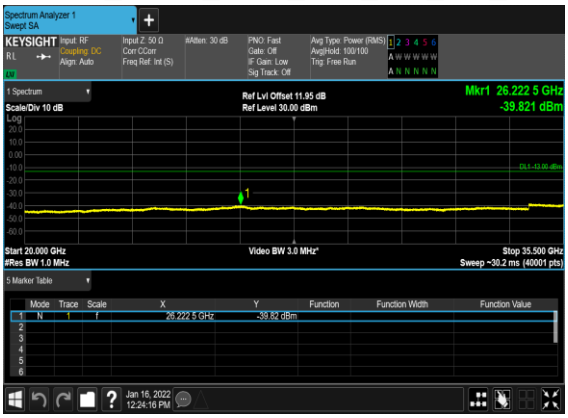
B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

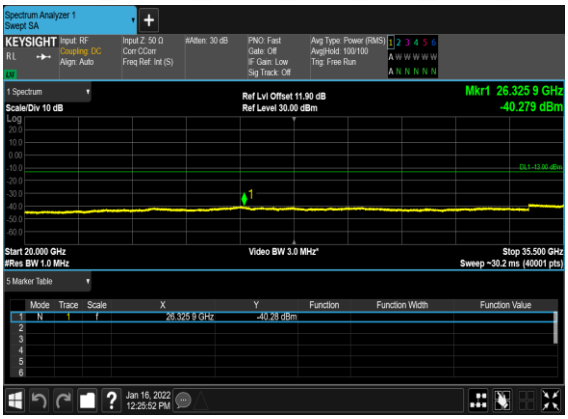


B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



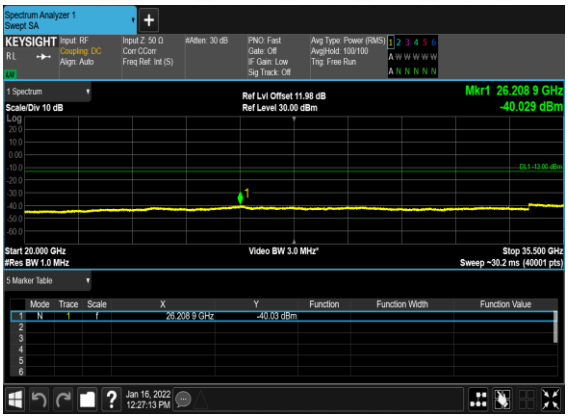
B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



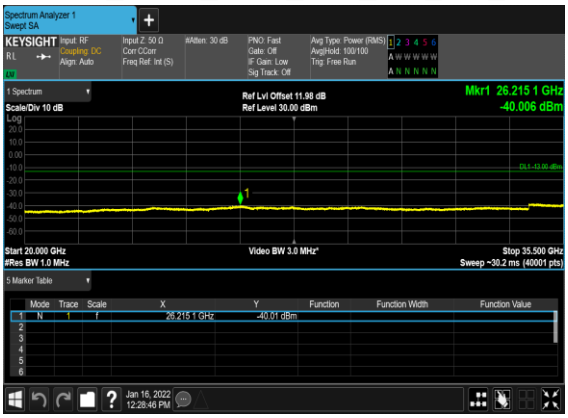
B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

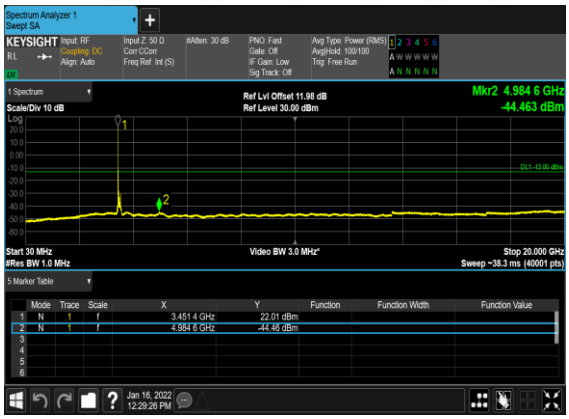


B2_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B2_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B2_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

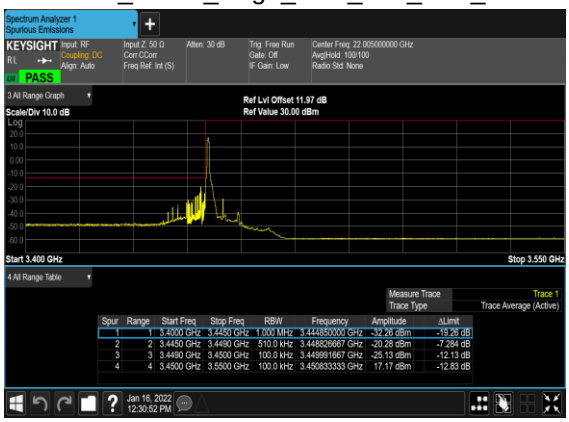


B2_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

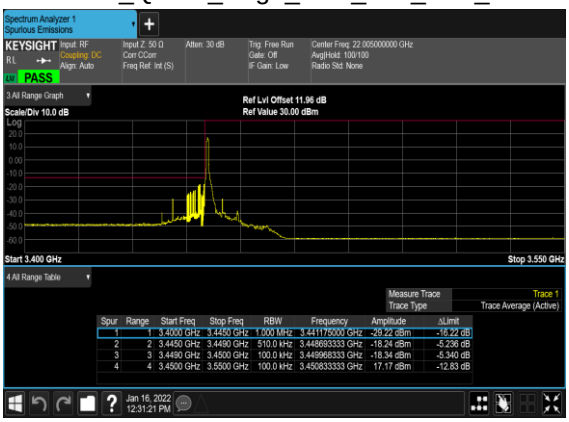
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
78	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	**PASS**
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	**PASS**
78	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

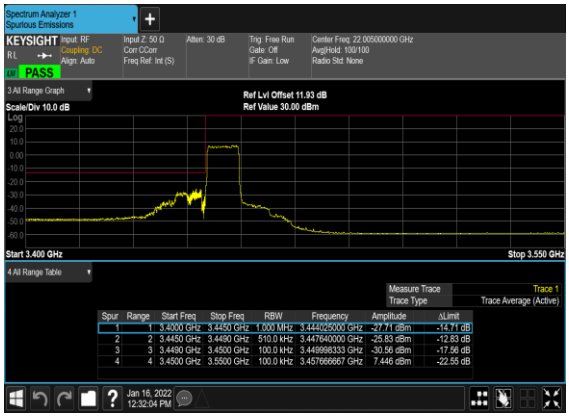
B2_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



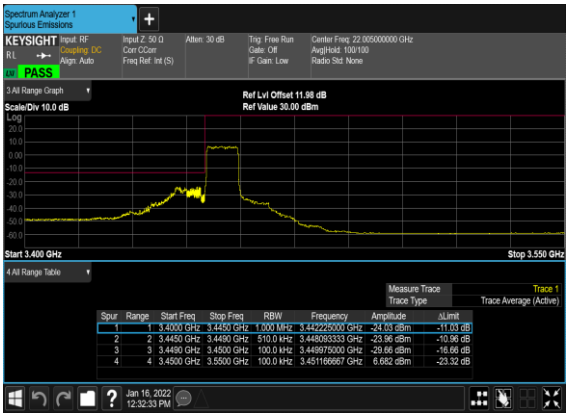
B2_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



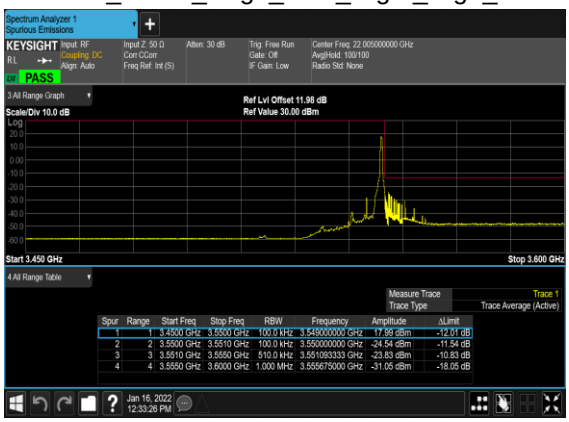
B2_N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



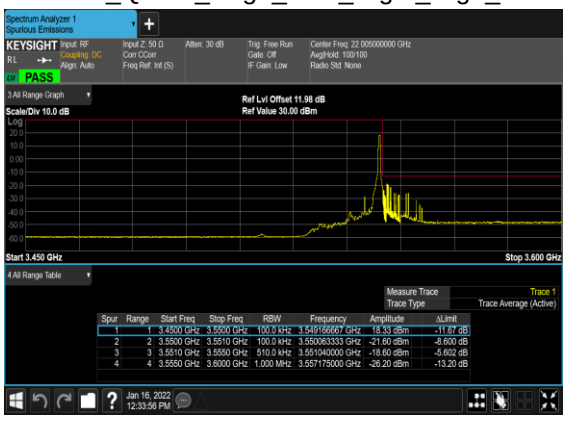
B2_N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B2_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

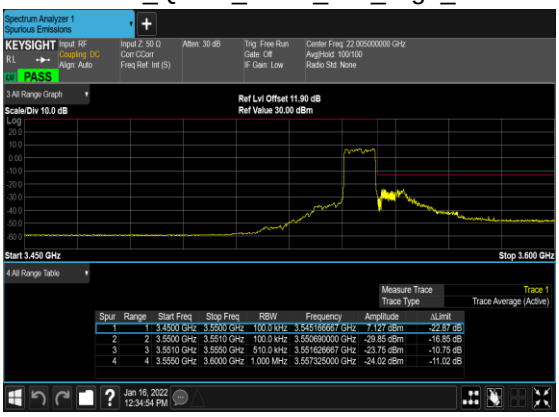


B2_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

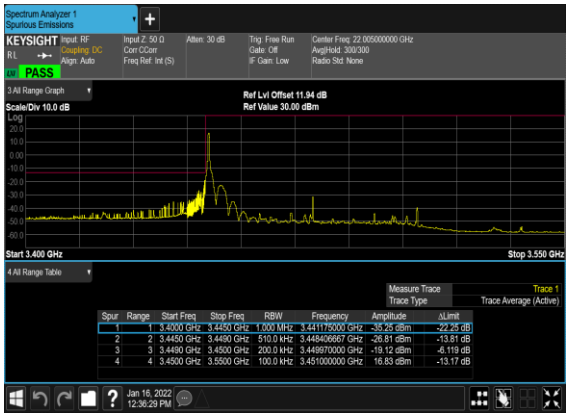


B2_N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

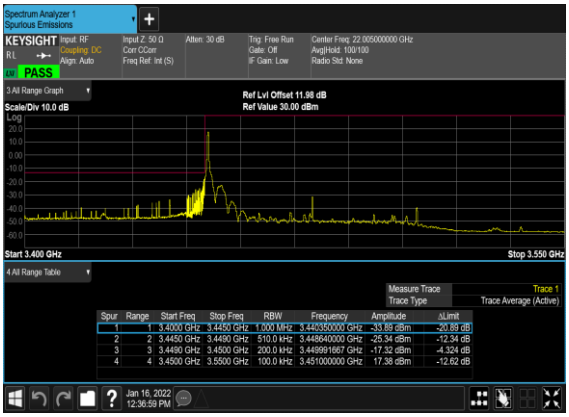
B2_N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



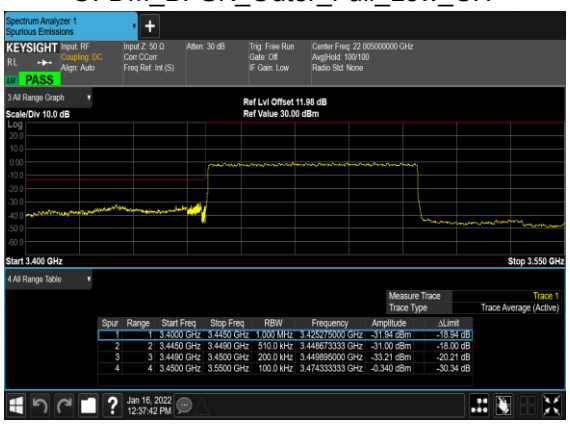
B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



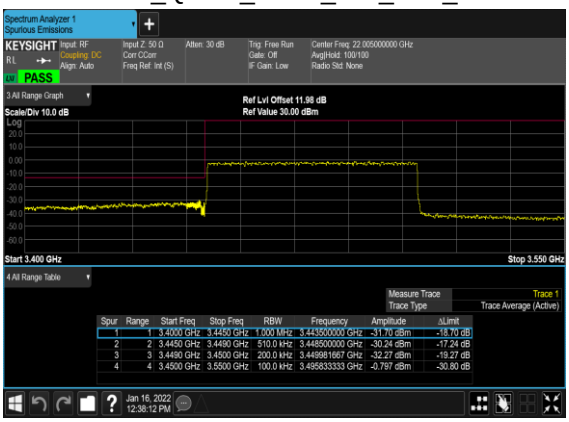
B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



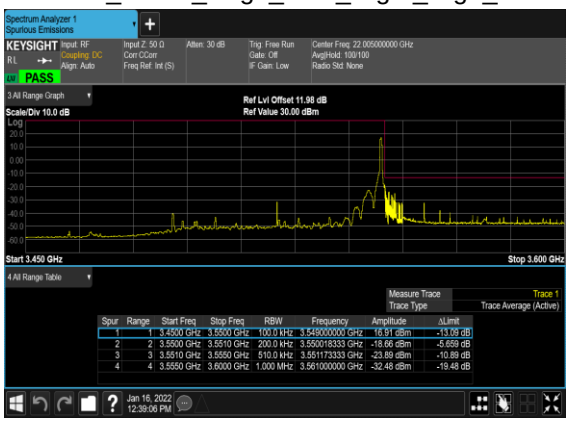
B2_N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



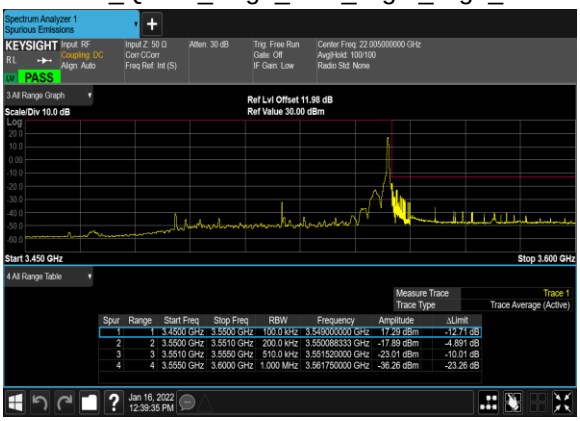
B2_N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

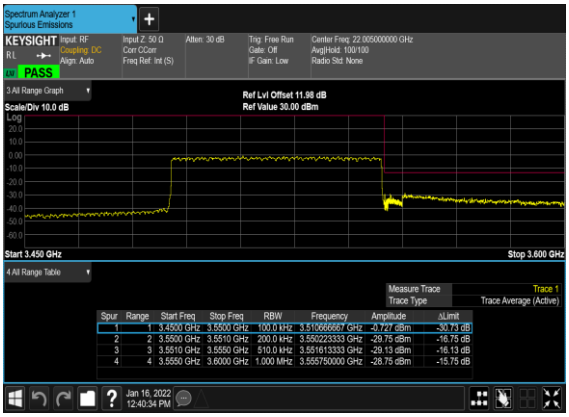


B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

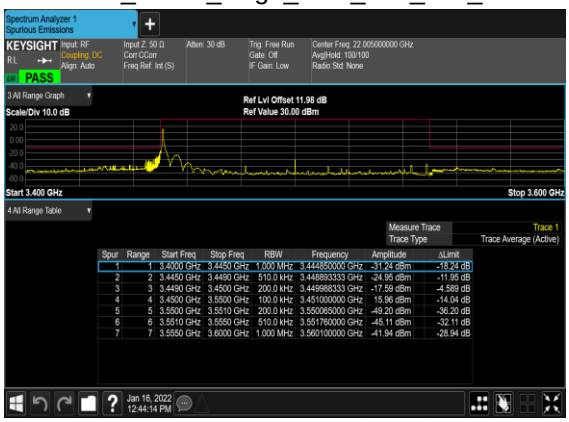


B2_N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

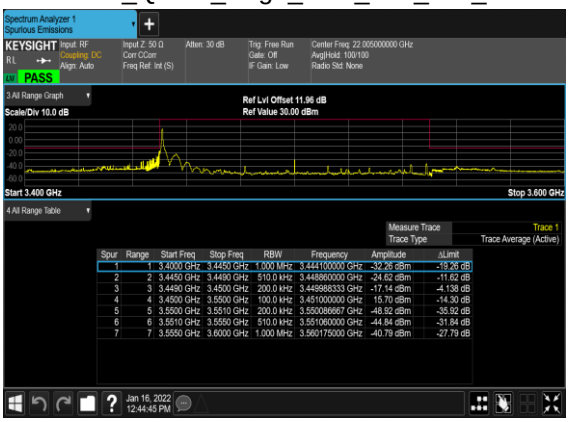
B2_N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B2_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

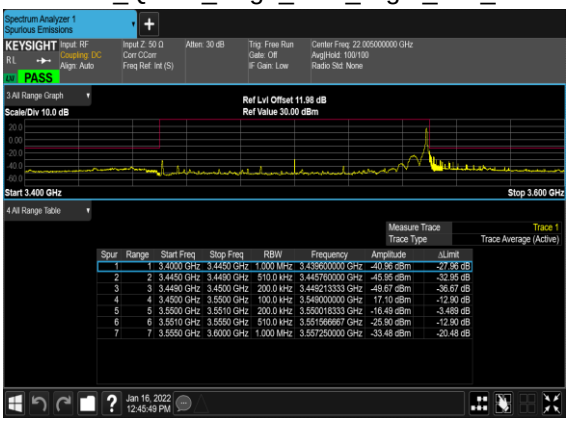


B2_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

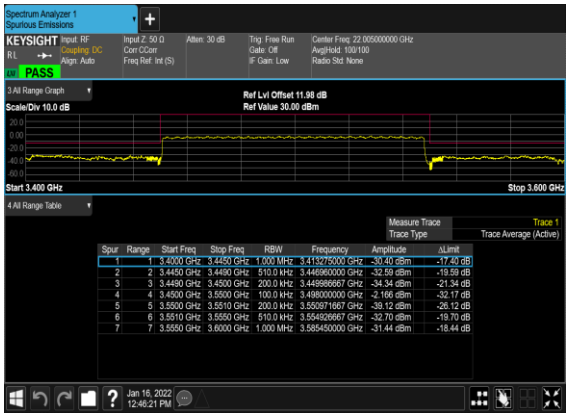


B2_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

B2_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



B2_N78(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



B2_N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

SA n77 / 100MHz / DFTs OFDM-QPSK for Antenna 3								
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	6900	-57.92	-13	-44.92	-68.40	2.76	13.24	H
	10365	-61.05	-13	-48.05	-70.64	3.42	13.01	H
	13800	-57.84	-13	-44.84	-67.45	3.83	13.44	H
	6900	-61.49	-13	-48.49	-71.93	2.80	13.24	V
	10365	-60.74	-13	-47.74	-70.29	3.46	13.01	V
	13800	-56.60	-13	-43.60	-66.16	3.88	13.44	V

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

EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM for Antenna 4+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	6900	-60.47	-13	-47.47	-70.95	2.76	13.24	H
	10356	-51.27	-13	-38.27	-60.86	3.42	13.01	H
	13806	-56.02	-13	-43.02	-65.63	3.83	13.44	H
	6900	-58.59	-13	-45.59	-69.03	2.80	13.24	V
	10356	-49.08	-13	-36.08	-58.63	3.46	13.01	V
	13806	-54.98	-13	-41.98	-64.54	3.88	13.44	V

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

EN-DC_5A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM for Antenna 4+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	6900	-60.19	-13	-47.19	-70.67	2.76	13.24	H
	10356	-55.67	-13	-42.67	-65.26	3.42	13.01	H
	13800	-55.54	-13	-42.54	-65.15	3.83	13.44	H
	6900	-60.56	-13	-47.56	-71.00	2.80	13.24	V
	10356	-55.52	-13	-42.52	-65.07	3.46	13.01	V
	13800	-56.82	-13	-43.82	-66.38	3.88	13.44	V

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

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM for Antenna 4+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	6900	-58.19	-13	-45.19	-68.67	2.76	13.24	H
	10356	-57.06	-13	-44.06	-66.65	3.42	13.01	H
	13800	-58.80	-13	-45.80	-68.41	3.83	13.44	H
	6900	-63.28	-13	-50.28	-73.72	2.80	13.24	V
	10356	-53.00	-13	-40.00	-62.55	3.46	13.01	V
	13800	-58.34	-13	-45.34	-67.90	3.88	13.44	V

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

EN-DC_38A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM for Antenna 4+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	6900	-60.10	-13	-47.10	-70.58	2.76	13.24	H
	10356	-60.79	-13	-47.79	-70.38	3.42	13.01	H
	13800	-58.20	-13	-45.20	-67.81	3.83	13.44	H
	6900	-61.26	-13	-48.26	-71.70	2.80	13.24	V
	10356	-60.49	-13	-47.49	-70.04	3.46	13.01	V
	13800	-56.81	-13	-43.81	-66.37	3.88	13.44	V

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

EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM for Antenna 4+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	6900	-58.12	-13	-45.12	-68.60	2.76	13.24	H
	10356	-59.89	-13	-46.89	-69.48	3.42	13.01	H
	13800	-58.05	-13	-45.05	-67.66	3.83	13.44	H
	6900	-60.06	-13	-47.06	-70.50	2.80	13.24	V
	10356	-59.35	-13	-46.35	-68.90	3.46	13.01	V
	13800	-57.34	-13	-44.34	-66.90	3.88	13.44	V

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

EN-DC_66A_n78A / LTE 10MHz + NR 100MHz / QPSK DFT-s-OFDM for Antenna 4+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	6900	-60.20	-13	-47.20	-70.68	2.76	13.24	H
	10356	-56.47	-13	-43.47	-66.06	3.42	13.01	H
	13800	-57.21	-13	-44.21	-66.82	3.83	13.44	H
	6900	-60.29	-13	-47.29	-70.73	2.80	13.24	V
	10356	-48.76	-13	-35.76	-58.31	3.46	13.01	V
	13800	-58.15	-13	-45.15	-67.71	3.88	13.44	V

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

SA n78 / 100MHz / DFTs OFDM-QPSK for Antenna 3								
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	6900	-61.59	-13	-48.59	-72.07	2.76	13.24	H
	10356	-57.57	-13	-44.57	-67.16	3.42	13.01	H
	13806	-57.95	-13	-44.95	-67.56	3.83	13.44	H
	6900	-60.01	-13	-47.01	-70.45	2.80	13.24	V
	10356	-60.35	-13	-47.35	-69.90	3.46	13.01	V
	13806	-58.65	-13	-45.65	-68.21	3.88	13.44	V

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