

B26_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



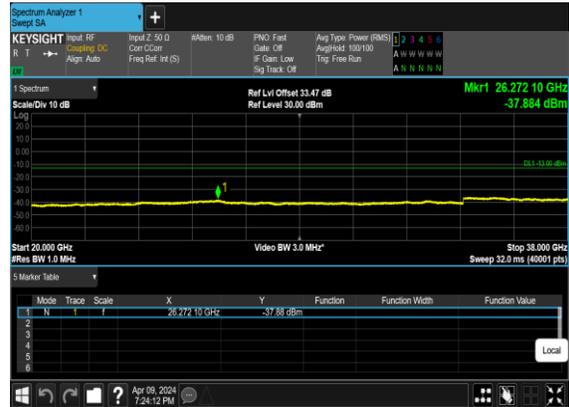
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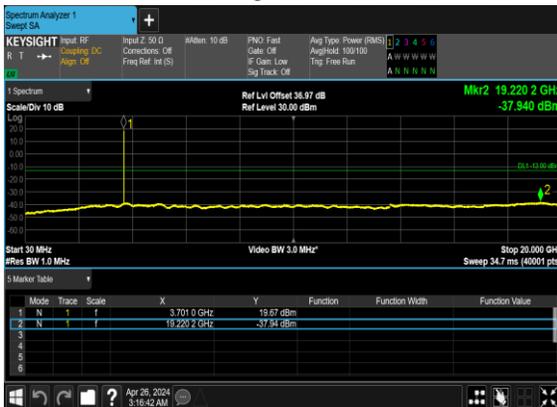
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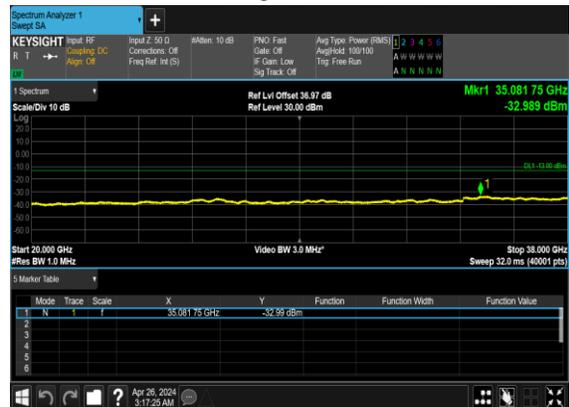
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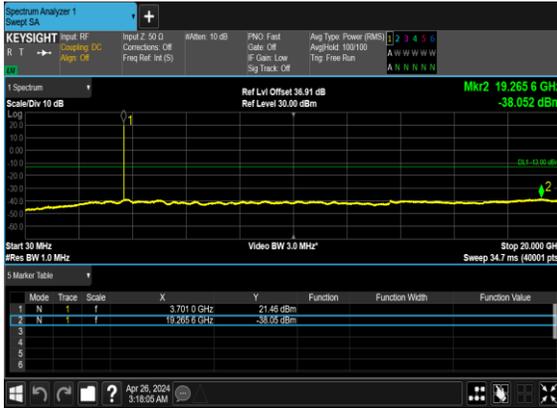
B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



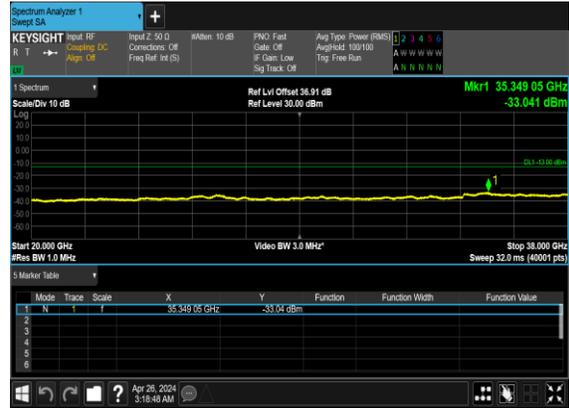
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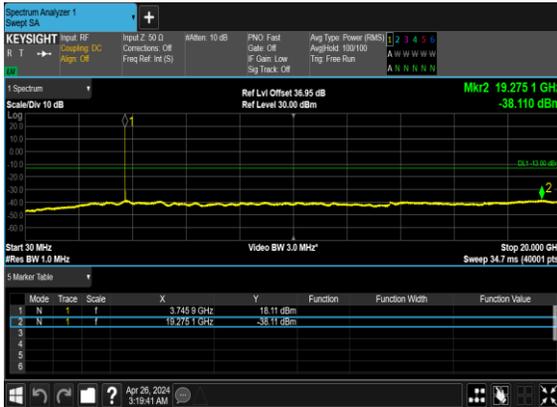
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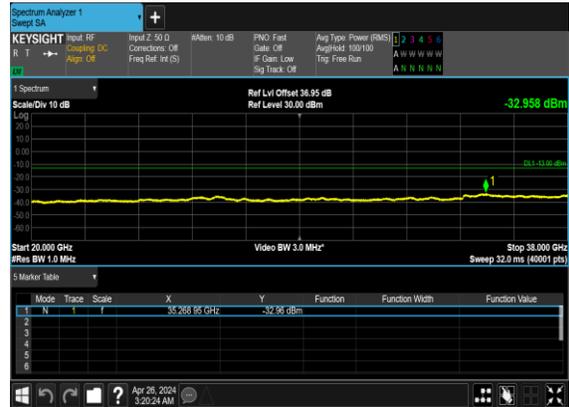
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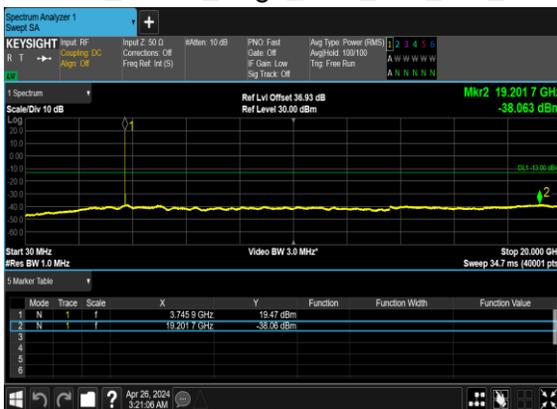
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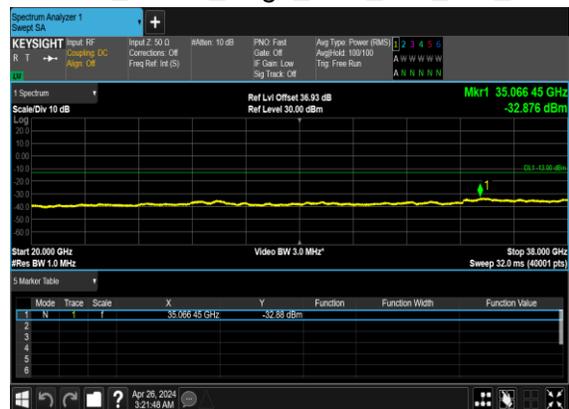
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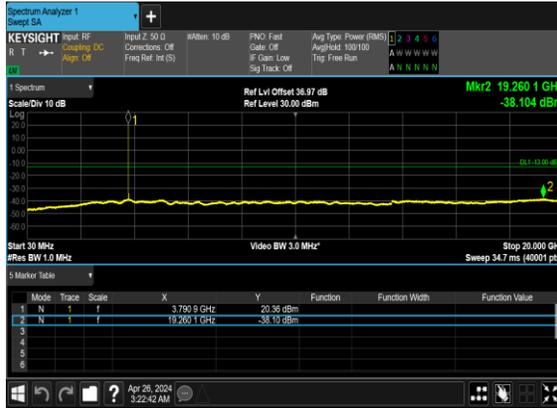
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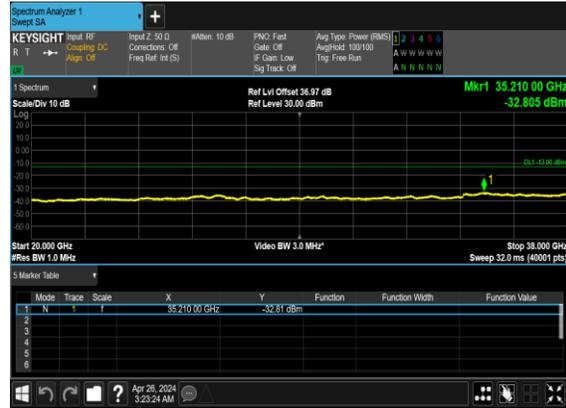
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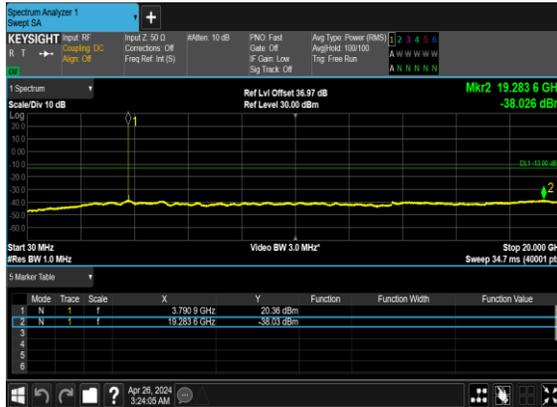
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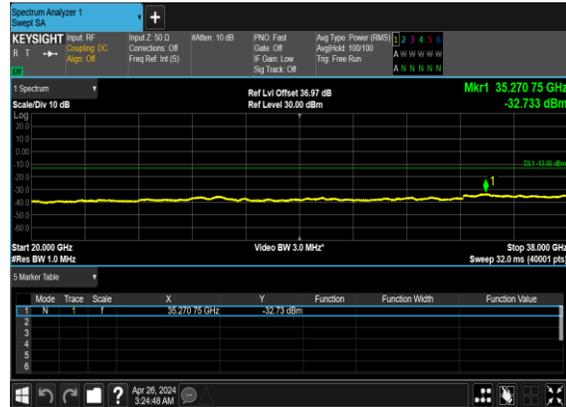
B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



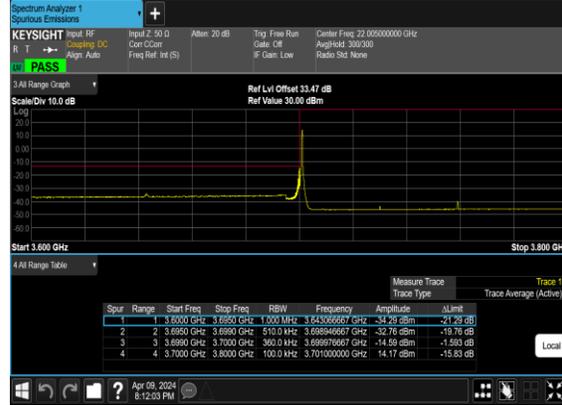
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	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
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

B26_N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



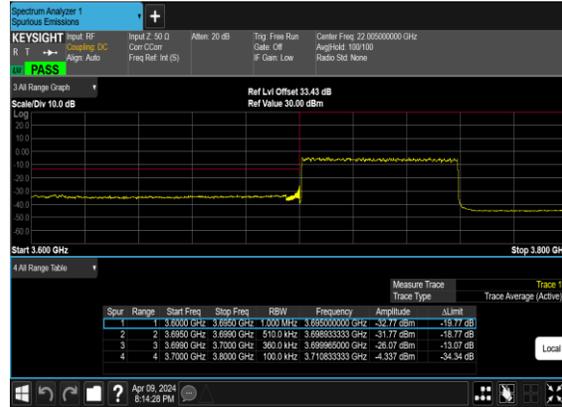
B26_N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B26_N78(60M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



B26_N78(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



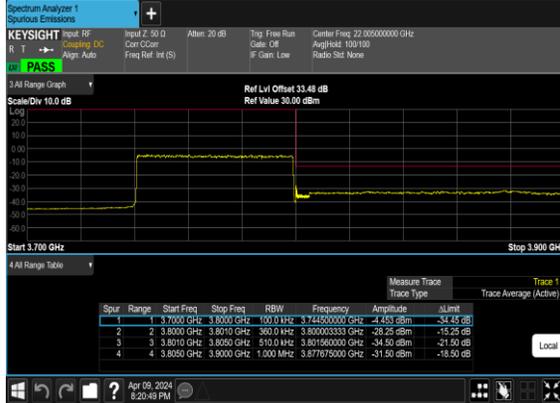
B26_N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B26_N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



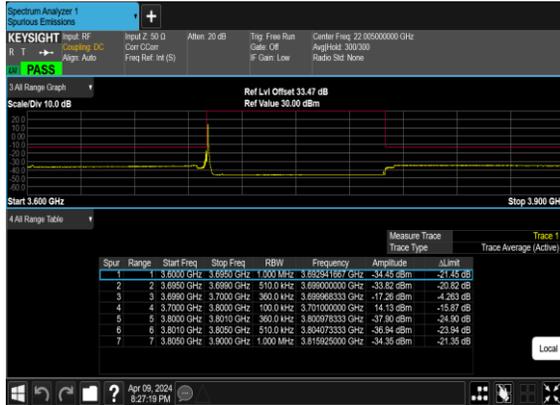
B26_N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B26_N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



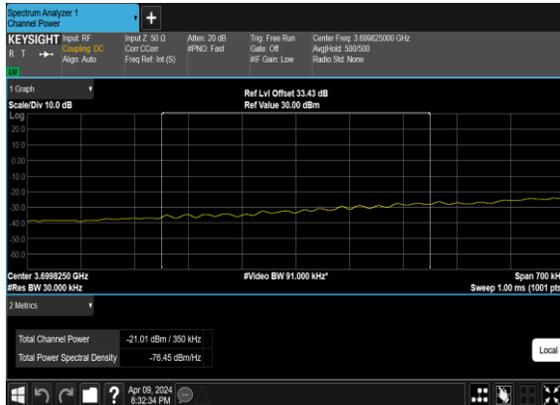
B26_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



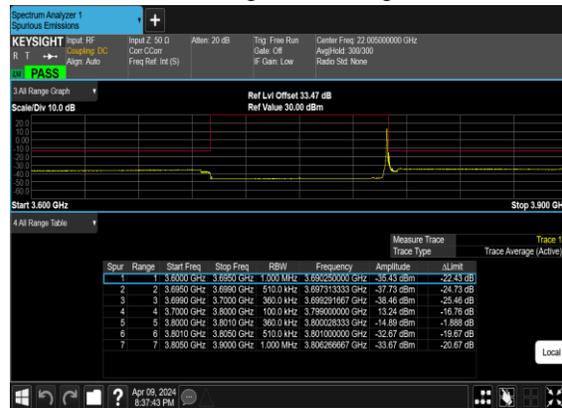
B26_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B26_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH_CHP_PA SS



B26_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



B26_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



B26_N78(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



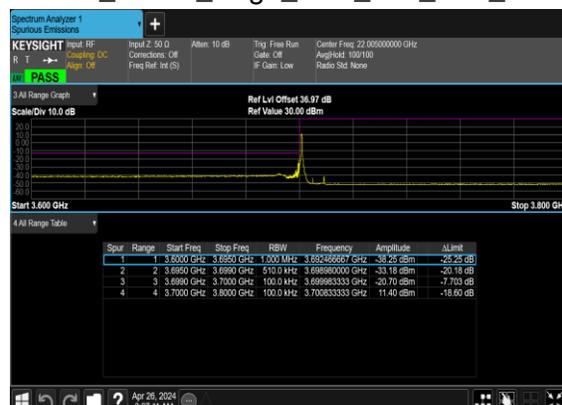
B26_N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



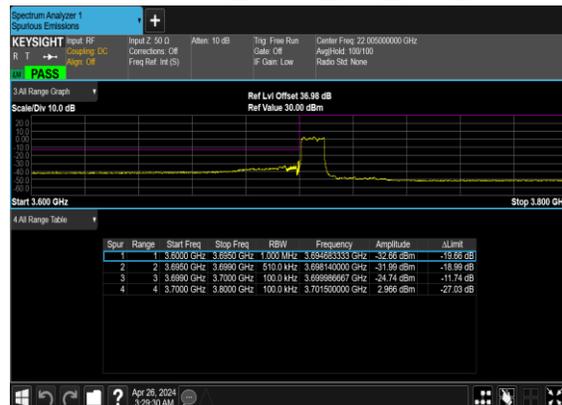
B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B26_N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



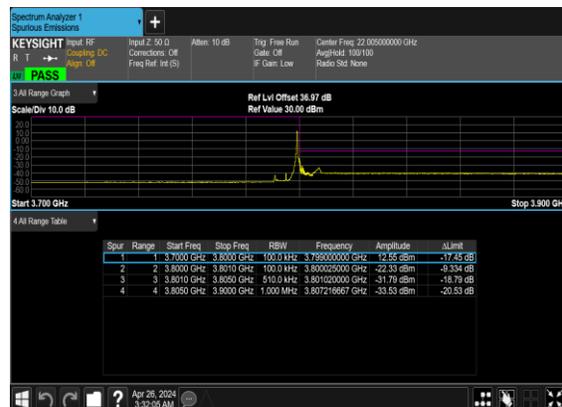
B26_N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



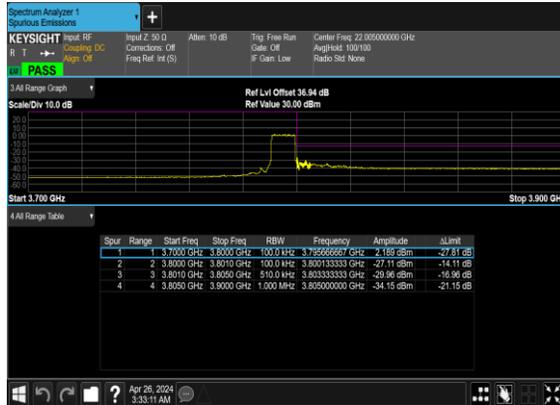
B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B26_N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B26_N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Pre-scanned harmonic for the different antennas and open/close status, we choose the worst antenna mode to perform final test and record in the report.

n77 SA / NR 100MHz / QPSK(ANT7) Open								
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	7583	-56.57	-13	-43.57	-66.78	3.03	13.24	H
	11389	-60.86	-13	-47.86	-70.31	3.56	13.01	H
	15184	-60.03	-13	-47.03	-69.55	3.92	13.44	H
	7583	-52.29	-13	-39.29	-62.50	3.03	13.24	V
	11389	-60.95	-13	-47.95	-70.40	3.56	13.01	V
	15184	-59.92	-13	-46.92	-69.44	3.92	13.44	V

EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open								
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	7407	-62.19	-13	-49.19	-72.40	3.03	13.24	H
	11103	-56.60	-13	-43.60	-66.05	3.56	13.01	H
	14821	-59.55	-13	-46.55	-69.07	3.92	13.44	H
	7407	-62.81	-13	-49.81	-73.02	3.03	13.24	V
	11103	-55.90	-13	-42.90	-65.35	3.56	13.01	V
	14821	-59.37	-13	-46.37	-68.89	3.92	13.44	V

EN-DC_5A_n78A / LTE 10MHz + NR 100MHz / QPSK(0+7) for Other PA Open								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7407	-61.68	-13	-48.68	-71.89	3.03	13.24	H
	11103	-55.48	-13	-42.48	-64.93	3.56	13.01	H
	14821	-59.45	-13	-46.45	-68.97	3.92	13.44	H
	7407	-61.90	-13	-48.90	-72.11	3.03	13.24	V
	11103	-58.65	-13	-45.65	-68.10	3.56	13.01	V
	14821	-58.92	-13	-45.92	-68.44	3.92	13.44	V



EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open								
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	7407	-62.73	-13	-49.73	-72.94	3.03	13.24	H
	11103	-59.36	-13	-46.36	-68.81	3.56	13.01	H
	14821	-59.51	-13	-46.51	-69.03	3.92	13.44	H
	7407	-62.37	-13	-49.37	-72.58	3.03	13.24	V
	11103	-59.08	-13	-46.08	-68.53	3.56	13.01	V
	14821	-59.42	-13	-46.42	-68.94	3.92	13.44	V

EN-DC_26A_n78A / LTE 10MHz + NR 100MHz / QPSK(0+7) for Other PA Open								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7407	-60.98	-13	-47.98	-71.19	3.03	13.24	H
	11103	-56.85	-13	-43.85	-66.30	3.56	13.01	H
	14821	-59.63	-13	-46.63	-69.15	3.92	13.44	H
	7407	-61.52	-13	-48.52	-71.73	3.03	13.24	V
	11103	-59.03	-13	-46.03	-68.48	3.56	13.01	V
	14821	-59.69	-13	-46.69	-69.21	3.92	13.44	V

EN-DC_38A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open								
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	7407	-62.36	-13	-49.36	-72.57	3.03	13.24	H
	11103	-58.19	-13	-45.19	-67.64	3.56	13.01	H
	14821	-59.53	-13	-46.53	-69.05	3.92	13.44	H
	7407	-61.62	-13	-48.62	-71.83	3.03	13.24	V
	11103	-59.54	-13	-46.54	-68.99	3.56	13.01	V
	14821	-59.53	-13	-46.53	-69.05	3.92	13.44	V

EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open								
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	7407	-62.43	-13	-49.43	-72.64	3.03	13.24	H
	11103	-59.39	-13	-46.39	-68.84	3.56	13.01	H
	14821	-59.41	-13	-46.41	-68.93	3.92	13.44	H
	7407	-61.90	-13	-48.90	-72.11	3.03	13.24	V
	11103	-58.27	-13	-45.27	-67.72	3.56	13.01	V
	14821	-59.28	-13	-46.28	-68.80	3.92	13.44	V



EN-DC_66A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open								
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	7407	-62.75	-13	-49.75	-72.96	3.03	13.24	H
	11103	-58.31	-13	-45.31	-67.76	3.56	13.01	H
	14821	-59.36	-13	-46.36	-68.88	3.92	13.44	H
	7407	-62.31	-13	-49.31	-72.52	3.03	13.24	V
	11103	-58.50	-13	-45.50	-67.95	3.56	13.01	V
	14821	-59.20	-13	-46.20	-68.72	3.92	13.44	V

n77 UL MIMO / NR 100+100MHz / QPSK(ANT7+6) Open								
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	7594	-62.42	-13	-49.42	-72.63	3.03	13.24	H
	11389	-61.18	-13	-48.18	-70.63	3.56	13.01	H
	15184	-60.31	-13	-47.31	-69.83	3.92	13.44	H
	7594	-62.86	-13	-49.86	-73.07	3.03	13.24	V
	11389	-61.23	-13	-48.23	-70.68	3.56	13.01	V
	15184	-60.42	-13	-47.42	-69.94	3.92	13.44	V

n78 SA / NR 100MHz / QPSK(ANT7) Open								
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	7407	-60.79	-13	-47.79	-71.00	3.03	13.24	H
	11114	-61.42	-13	-48.42	-70.87	3.56	13.01	H
	14821	-59.81	-13	-46.81	-69.33	3.92	13.44	H
	7407	-61.94	-13	-48.94	-72.15	3.03	13.24	V
	11114	-61.45	-13	-48.45	-70.90	3.56	13.01	V
	14821	-59.71	-13	-46.71	-69.23	3.92	13.44	V

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