



N78(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



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N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



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### Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
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
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	128@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



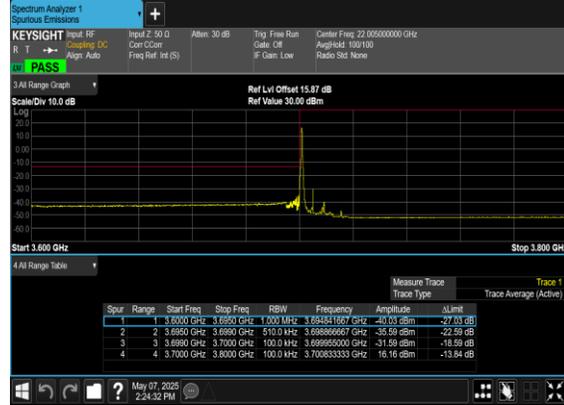
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@272	see graph	<b>PASS</b>
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	<b>PASS</b>
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	<b>PASS</b>



N78(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N78(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N78(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



N78(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH





N78(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N78(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N78(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH

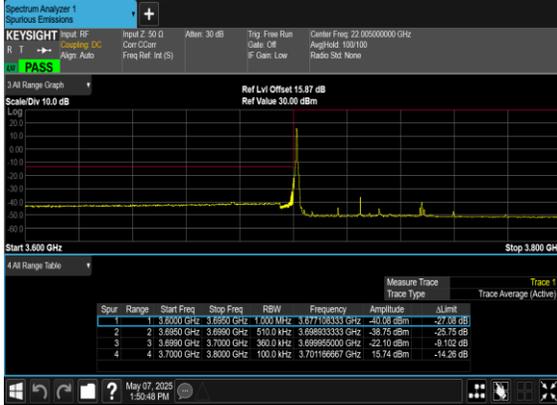


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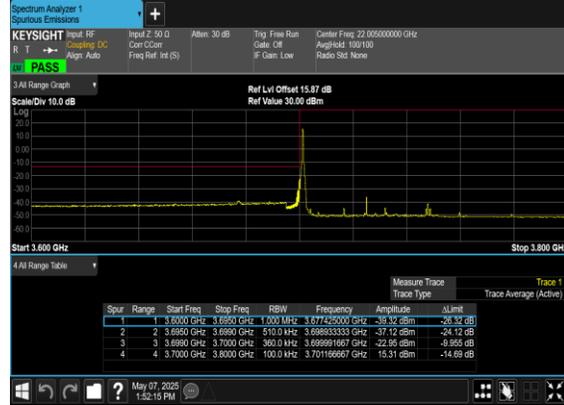




N78(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



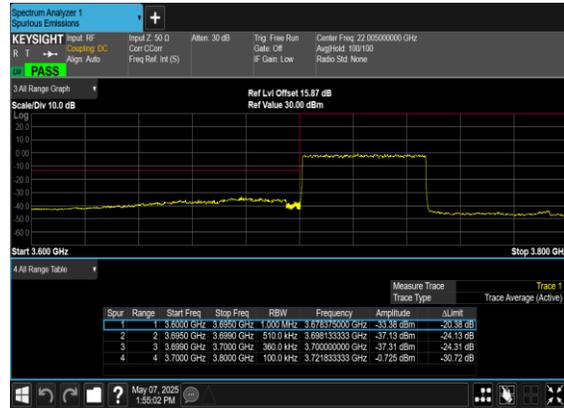
N78(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N78(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH

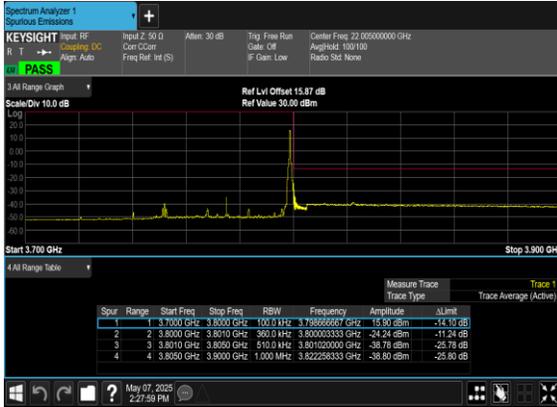


N78(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH





N78(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



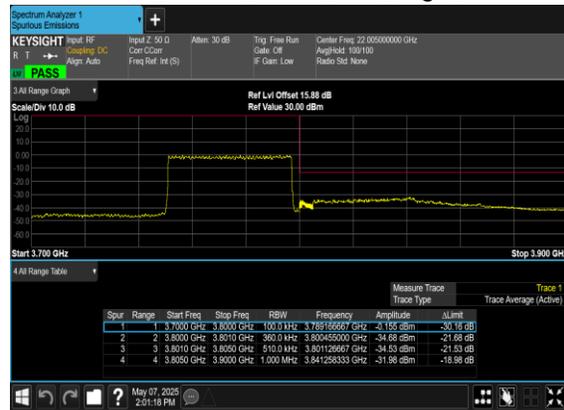
N78(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N78(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



N78(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH





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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 :	LiangPing Zhou	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

n77 SA / NR 100MHz / QPSK(ANT7)									
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	7584.00	-56.24	-13	-43.24	-61.87	-59.54	8.30	11.60	H
	11376.00	-54.75	-13	-41.75	-68.86	-56.27	10.48	12.00	H
	15168.00	-51.83	-13	-38.83	-68.96	-53.53	11.80	13.50	H
	7584.00	-49.74	-13	-36.74	-55.33	-53.04	8.30	11.60	V
	11376.00	-54.68	-13	-41.68	-68.52	-56.20	10.48	12.00	V
	15168.00	-52.76	-13	-39.76	-69.24	-54.46	11.80	13.50	V

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

EN-DC_2A_n77A / LTE 10MHz + NR 100MHz / QPSK(2+7)									
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 Middle	7584.00	-59.61	-13	-46.61	-65.24	-62.91	8.30	11.60	H
	11376.00	-54.24	-13	-41.24	-68.35	-55.76	10.48	12.00	H
	15168.00	-51.23	-13	-38.23	-68.36	-52.93	11.80	13.50	H
	7584.00	-54.63	-13	-41.63	-60.22	-57.93	8.30	11.60	V
	11376.00	-54.66	-13	-41.66	-68.5	-56.18	10.48	12.00	V
	15168.00	-51.78	-13	-38.78	-68.26	-53.48	11.80	13.50	V
LTE Band2 Middle	3751	-61.28	-13	-48.28	-79.07	-68.03	5.85	12.60	H
	5626.5	-59.12	-13	-46.12	-81.26	-64.92	7.30	13.10	H
	7502	-59.76	-13	-46.76	-65.56	-62.91	8.35	11.50	H
	3751	-61.70	-13	-48.70	-79.42	-68.45	5.85	12.60	V
	5626.5	-59.60	-13	-46.60	-81.46	-65.40	7.30	13.10	V
	7502	-59.84	-13	-46.84	-65.63	-62.99	8.35	11.50	V

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



n78 SA / NR 100MHz / QPSK(ANT7)									
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	7404.00	-58.94	-13	-45.94	-64.88	-62.24	8.30	11.60	H
	11106.00	-54.63	-13	-41.63	-67.93	-56.15	10.48	12.00	H
	14808.00	-49.72	-13	-36.72	-67.58	-51.42	11.80	13.50	H
	7404.00	-54.28	-13	-41.28	-60.24	-57.58	8.30	11.60	V
	11106.00	-54.83	-13	-41.83	-67.84	-56.35	10.48	12.00	V
	14808.00	-50.53	-13	-37.53	-67.84	-52.23	11.80	13.50	V

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

EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK(2+7)									
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	7404.00	-59.91	-13	-46.91	-65.85	-63.21	8.30	11.60	H
	11106.00	-54.85	-13	-41.85	-68.15	-56.37	10.48	12.00	H
	14808.00	-49.73	-13	-36.73	-67.59	-51.43	11.80	13.50	H
	7404.00	-56.29	-13	-43.29	-62.25	-59.59	8.30	11.60	V
	11106.00	-55.24	-13	-42.24	-68.25	-56.76	10.48	12.00	V
	14808.00	-49.91	-13	-36.91	-67.22	-51.61	11.80	13.50	V
LTE Band41 Middle	5177.00	-50.29	-25	-25.29	-71.82	-55.85	7.14	12.70	H
	7765.50	-59.23	-25	-34.23	-65.21	-62.53	8.30	11.60	H
	10354.00	-55.89	-25	-30.89	-67.65	-57.41	10.48	12.00	H
	5177.00	-49.22	-25	-24.22	-71.04	-54.78	7.14	12.70	V
	7765.50	-59.35	-25	-34.35	-65.17	-62.65	8.30	11.60	V
	10354.00	-56.90	-25	-31.90	-67.79	-58.42	10.48	12.00	V

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