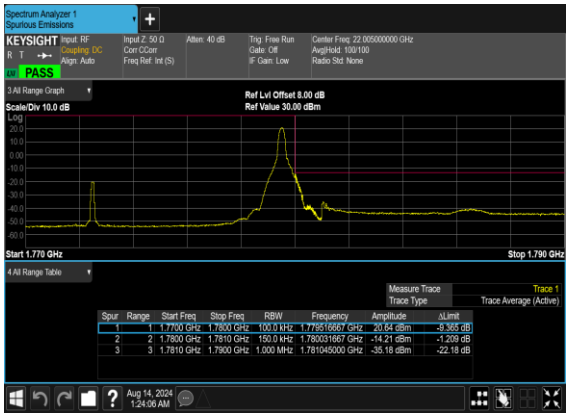
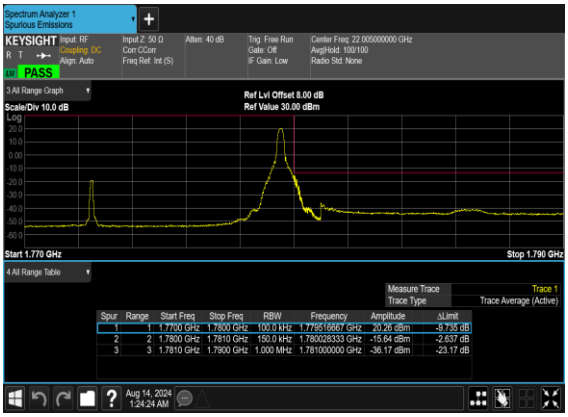
N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



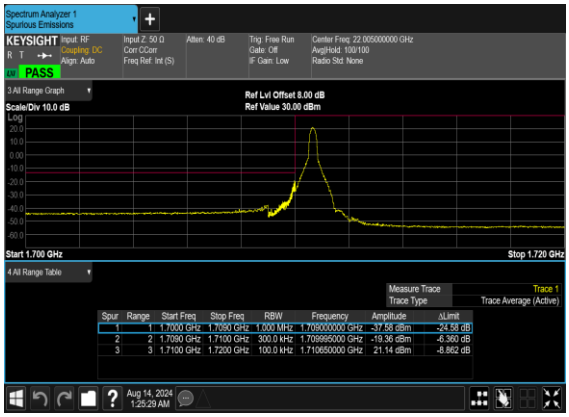
N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N66(15M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



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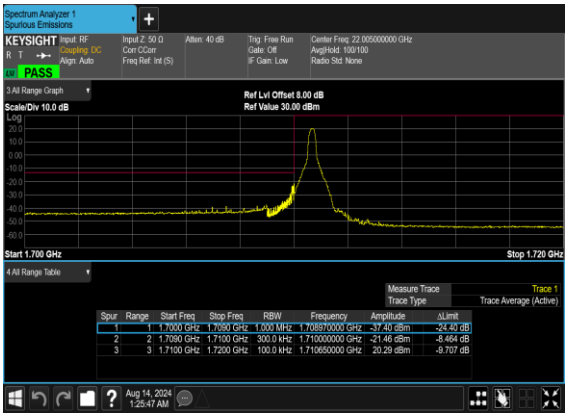

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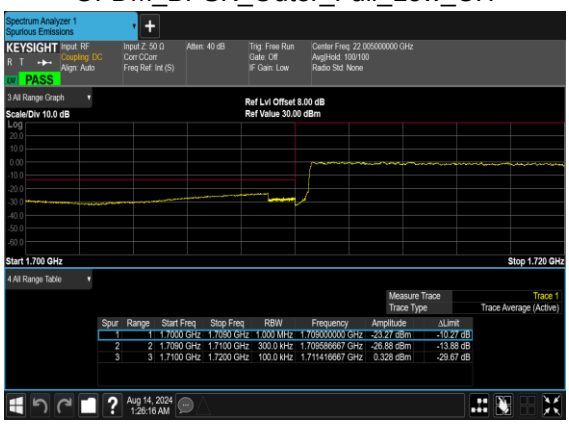

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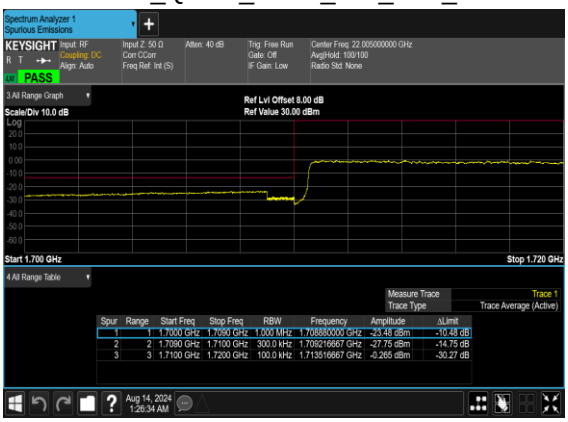
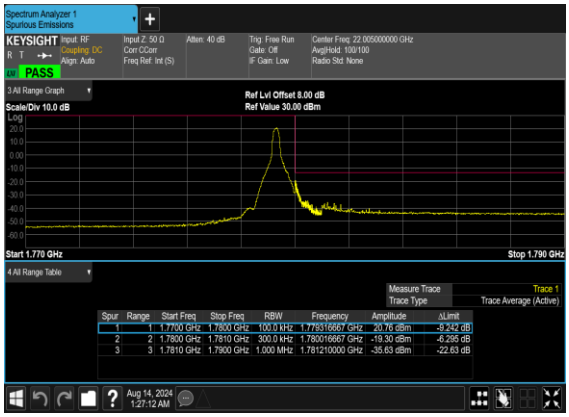
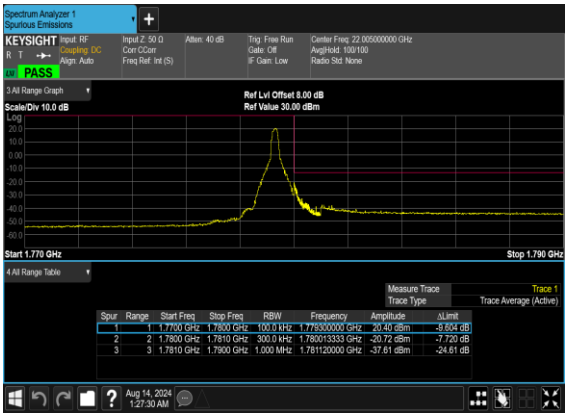


N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

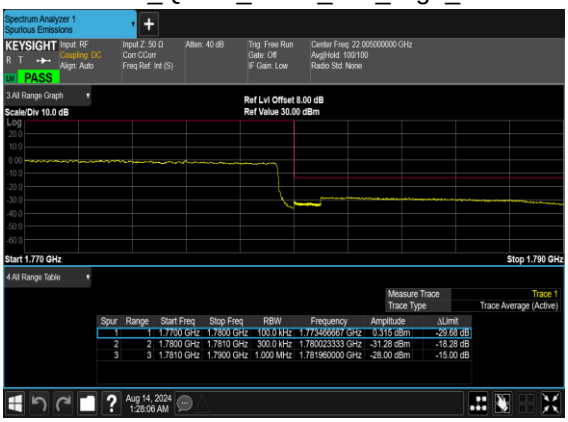


N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N66(30M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25℃
		Relative Humidity :	48~52%

n5 SA / NR 20MHz / QPSK(ANT0)									
Channel	Frequency (MHz)	ERP (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	1654.5	-61.32	-13	-48.32	-73.45	-64.57	4.00	9.40	H
	2481.75	-60.76	-13	-47.76	-80.01	-64.33	4.88	10.60	H
	3309	-59.44	-13	-46.44	-80.59	-64.37	5.52	12.60	H
	4136.25	-57.09	-13	-44.09	-79.42	-61.56	6.00	12.62	H
	4963.5	-54.22	-13	-41.22	-77.98	-57.63	7.14	12.70	H
	5790.75	-45.39	-13	-32.39	-70.57	-48.62	7.62	13.00	H
	6618	-44.16	-13	-31.16	-70.54	-46.71	8.00	12.70	H
	1654.5	-63.37	-13	-50.37	-76.14	-66.62	4.00	9.40	V
	2481.75	-60.72	-13	-47.72	-80.29	-64.29	4.88	10.60	V
	3309	-57.60	-13	-44.60	-79.45	-62.53	5.52	12.60	V
	4136.25	-54.59	-13	-41.59	-79.06	-59.06	6.00	12.62	V
	4963.5	-50.19	-13	-37.19	-75.42	-53.60	7.14	12.70	V
	5790.75	-38.18	-13	-25.18	-64.11	-41.41	7.62	13.00	V
	6618	-32.57	-13	-19.57	-61.24	-35.12	8.00	12.70	V

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

EN-DC_30A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT3+0)									
Channel	Frequency (MHz)	ERP/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 n5 Middle	1654.5	-55.44	-13	-42.44	-67.57	-58.69	4.00	9.40	H
	2481.75	-57.61	-13	-44.61	-76.86	-61.18	4.88	10.60	H
	3309	-62.91	-13	-49.91	-64.42	-67.84	5.52	12.60	H
	1654.5	-62.36	-13	-49.36	-75.13	-65.61	4.00	9.40	V
	2481.75	-58.01	-13	-45.01	-77.58	-61.58	4.88	10.60	V
	3309	-62.30	-13	-49.30	-64.51	-67.23	5.52	12.60	V
LTE Band30 Middle	4611.00	-53.45	-40	-13.45	-58.40	-59.70	6.45	12.70	H
	6916.50	-58.17	-40	-18.17	-65.67	-61.57	8.40	11.80	H
	9222.00	-58.79	-40	-18.79	-68.31	-61.14	9.65	12.00	H
	11527.50	-54.25	-40	-14.25	-68.66	-55.33	11.12	12.20	H
	4611.00	-59.38	-40	-19.38	-64.46	-65.63	6.45	12.70	V
	6916.50	-57.24	-40	-17.24	-65.84	-60.64	8.40	11.80	V
	9222.00	-56.44	-40	-16.44	-68.19	-58.79	9.65	12.00	V
	11527.50	-41.75	-40	-1.75	-58.84	-42.83	11.12	12.20	V

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

n25 SA / NR 20MHz / QPSK(ANT0)									
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	3746.5	-48.86	-13	-35.86	-71.35	-55.61	5.85	12.60	H
	5619.75	-52.98	-13	-39.98	-77.48	-58.78	7.30	13.10	H
	7493	-45.15	-13	-32.15	-72.15	-48.30	8.35	11.50	H
	9366.25	-50.08	-13	-37.08	-78.49	-52.23	9.85	12.00	H
	11239.5	-40.05	-13	-27.05	-73.01	-40.95	10.90	11.80	H
	3746.5	-43.83	-13	-30.83	-69.48	-50.58	5.85	12.60	V
	5619.75	-45.35	-13	-32.35	-70.35	-51.15	7.30	13.10	V
	7493	-37.35	-13	-24.35	-64.34	-40.50	8.35	11.50	V
	9366.25	-40.65	-13	-27.65	-70.6	-42.80	9.85	12.00	V
	11239.5	-27.60	-13	-14.60	-63.07	-28.50	10.90	11.80	V

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

EN-DC_48A_n25A / LTE 10MHz + NR 20MHz / QPSK (ANT3+0)									
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 n25 Middle	3746.5	-56.08	-13	-43.08	-59.17	-62.83	5.85	12.60	H
	5619.75	-60.21	-13	-47.21	-65.39	-66.01	7.30	13.10	H
	7493	-56.87	-13	-43.87	-65.47	-60.02	8.35	11.50	H
	9366.25	-58.20	-13	-45.20	-68.20	-60.35	9.85	12.00	H
	11239.5	-43.45	-13	-30.45	-57.81	-44.35	10.90	11.80	H
	3746.5	-52.04	-13	-39.04	-58.29	-58.79	5.85	12.60	V
	5619.75	-55.27	-13	-42.27	-60.95	-61.07	7.30	13.10	V
	7493	-49.33	-13	-36.33	-57.92	-52.48	8.35	11.50	V
	9366.25	-46.93	-13	-33.93	-58.47	-49.08	9.85	12.00	V
	11239.5	-40.46	-13	-27.46	-57.33	-41.36	10.90	11.80	V
LTE Band48 Middle	7241.00	-56.84	-40	-16.84	-65.52	-60.14	8.30	11.60	H
	10861.50	-53.83	-40	-13.83	-67.61	-55.35	10.48	12.00	H
	14482.00	-53.66	-40	-13.66	-69.90	-55.36	11.80	13.50	H
	7241.00	-53.41	-40	-13.41	-63.82	-56.71	8.30	11.60	V
	10861.50	-51.83	-40	-11.83	-67.25	-53.35	10.48	12.00	V
	14482.00	-53.84	-40	-13.84	-69.68	-55.54	11.80	13.50	V

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

n66 SA / NR 30MHz / QPSK(ANT0)									
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	3462	-57.61	-13	-44.61	-79.86	-64.46	5.65	12.50	H
	5193	-55.83	-13	-42.83	-80.71	-61.50	7.13	12.80	H
	6924	-46.99	-13	-33.99	-73.23	-50.39	8.40	11.80	H
	8655	-50.73	-13	-37.73	-77.88	-53.58	8.75	11.60	H
	10386	-46.60	-13	-33.60	-77.86	-48.02	10.58	12.00	H
	12117	-48.16	-13	-35.16	-82.08	-49.58	11.78	13.20	H
	3462	-56.57	-13	-43.57	-78.62	-63.42	5.65	12.50	V
	5193	-53.46	-13	-40.46	-78.61	-59.13	7.13	12.80	V
	6924	-32.85	-13	-19.85	-60.19	-36.25	8.40	11.80	V
	8655	-38.58	-13	-25.58	-68.45	-41.43	8.75	11.60	V
	10386	-30.40	-13	-17.40	-63.57	-31.82	10.58	12.00	V
	12117	-43.96	-13	-30.96	-79.87	-45.38	11.78	13.20	V

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

EN-DC_30A_n66A / LTE 10MHz + NR 30MHz / QPSK (ANT0+3)									
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 n66 Middle	3462	-61.97	-13	-48.97	-64.61	-68.82	5.65	12.50	H
	5193	-59.57	-13	-46.57	-64.73	-65.24	7.13	12.80	H
	6924	-57.93	-13	-44.93	-65.43	-61.33	8.40	11.80	H
	3462	-62.38	-13	-49.38	-64.82	-69.23	5.65	12.50	V
	5193	-59.34	-13	-46.34	-64.77	-65.01	7.13	12.80	V
	6924	-57.34	-13	-44.34	-65.94	-60.74	8.40	11.80	V
LTE Band30 Middle	4611.00	-54.34	-40	-14.34	-59.29	-60.59	6.45	12.70	H
	6916.50	-57.57	-40	-17.57	-65.07	-60.97	8.40	11.80	H
	9222.00	-59.07	-40	-19.07	-68.59	-61.42	9.65	12.00	H
	11527.50	-55.12	-40	-15.12	-69.53	-56.20	11.12	12.20	H
	4611.00	-45.17	-40	-5.17	-50.25	-51.42	6.45	12.70	V
	6916.50	-56.65	-40	-16.65	-65.25	-60.05	8.40	11.80	V
	9222.00	-51.53	-40	-11.53	-63.28	-53.88	9.65	12.00	V
	11527.50	-40.83	-40	-0.83	-57.92	-41.91	11.12	12.20	V

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