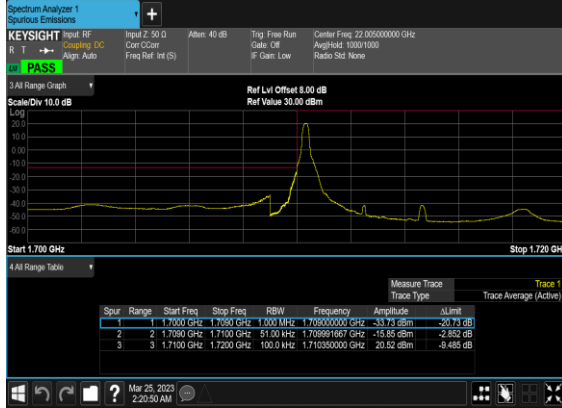
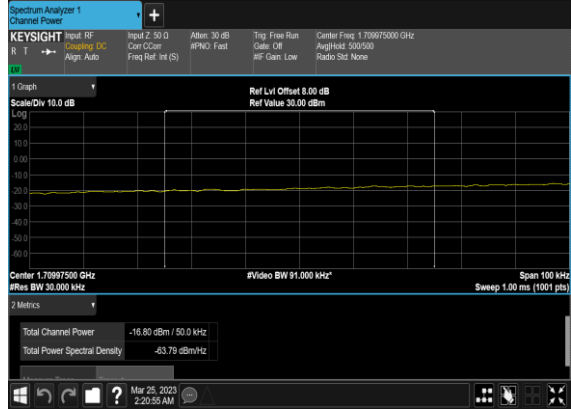


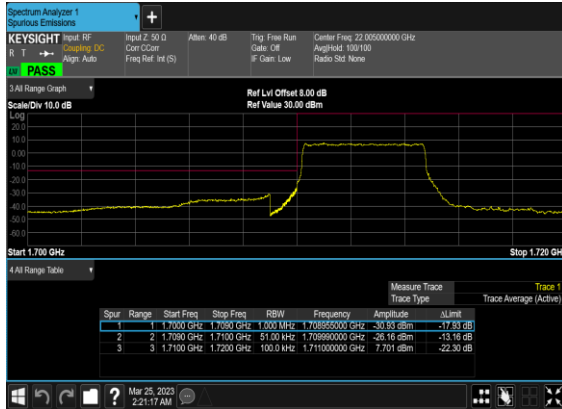
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CH_P
ASS



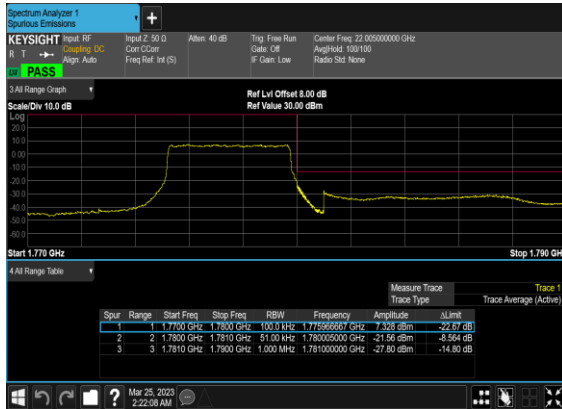
N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



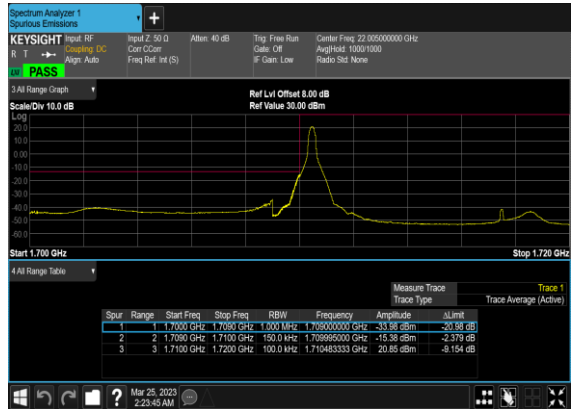
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



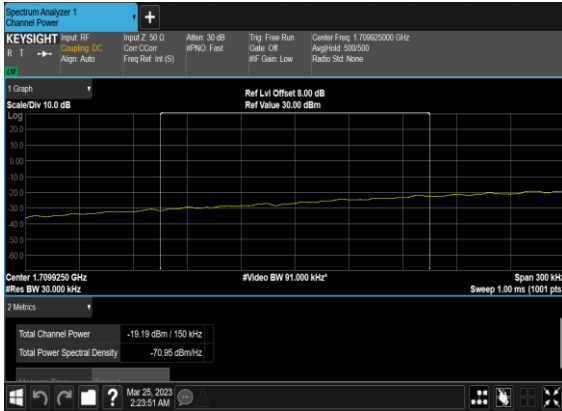
N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



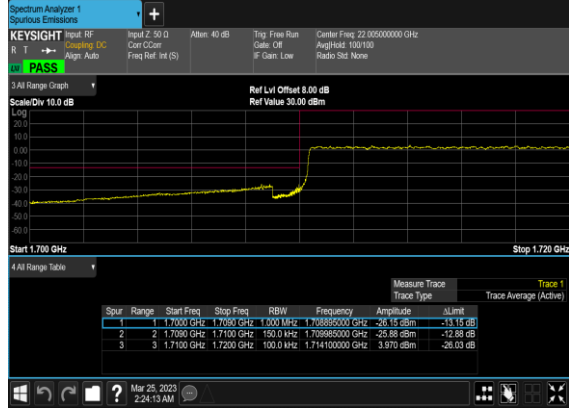
N66(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



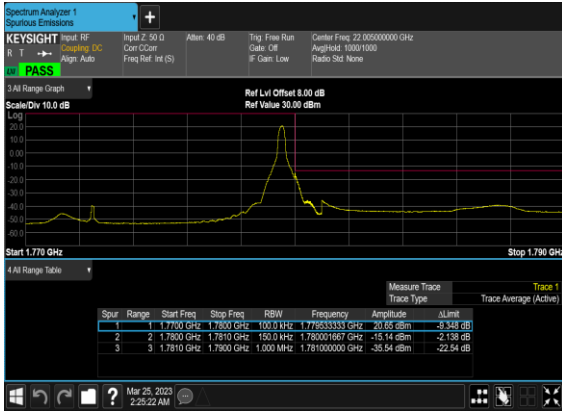
N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



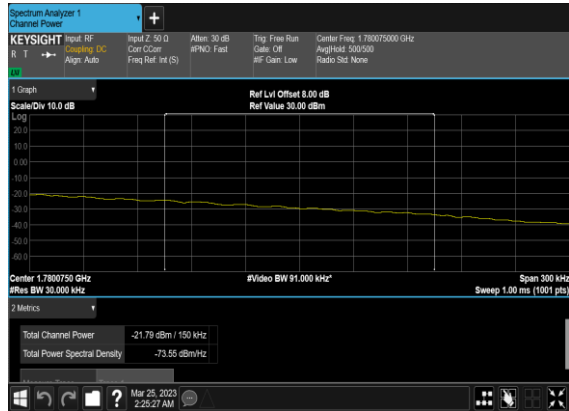
N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



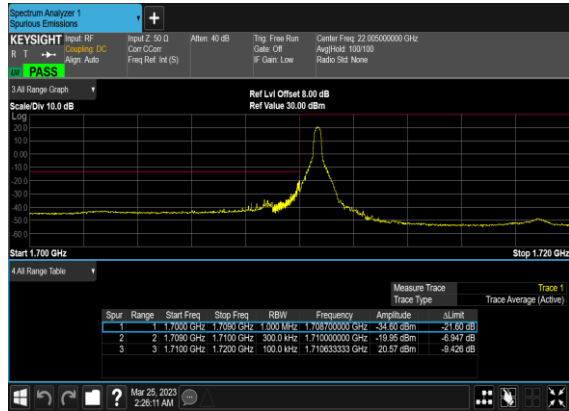
N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



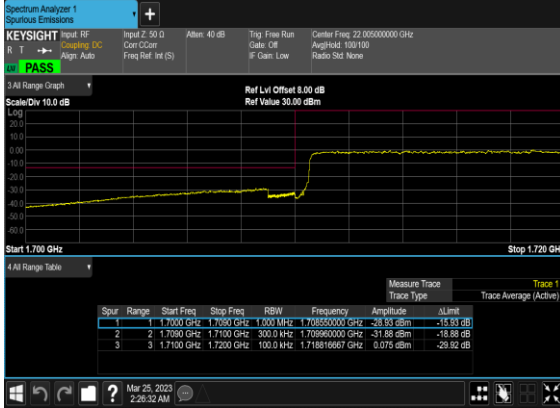
N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



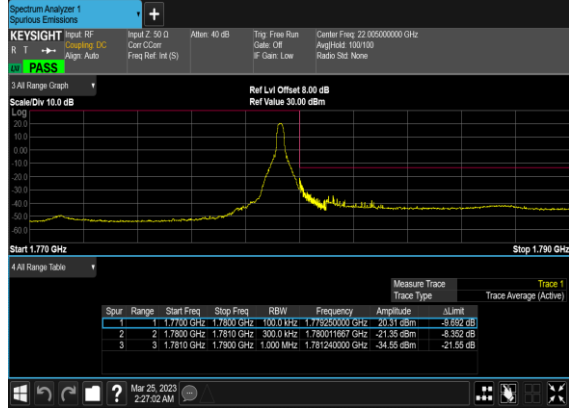
N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



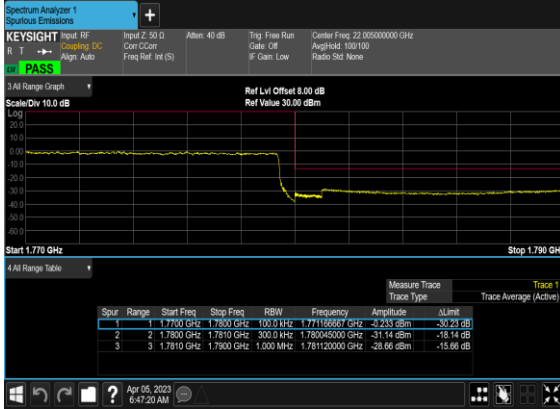
N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

SA n7 / NR 20MHz / QPSK / ANT4									
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	5001.40	-58.57	-25	-33.57	-77.97	-64.13	7.12	12.68	H
	7502.10	-45.07	-25	-20.07	-69.94	-48.40	8.26	11.59	H
	10002.80	-52.18	-25	-27.18	-80.58	-53.71	10.45	11.98	H
	5001.40	-57.07	-25	-32.07	-76.46	-62.63	7.12	12.68	V
	7502.10	-45.87	-25	-20.87	-71.15	-49.20	8.26	11.59	V
	10002.80	-53.71	-25	-28.71	-80.62	-55.24	10.45	11.98	V
Middle	5051.50	-60.36	-25	-35.36	-79.72	-65.92	7.14	12.70	H
	7577.25	-46.26	-25	-21.26	-71.02	-49.56	8.30	11.60	H
	10103.00	-52.25	-25	-27.25	-80.68	-53.77	10.48	12.00	H
	5051.50	-60.29	-25	-35.29	-79.54	-65.85	7.14	12.70	V
	7577.25	-46.84	-25	-21.84	-72.08	-50.14	8.30	11.60	V
	10103.00	-53.65	-25	-28.65	-80.74	-55.17	10.48	12.00	V
Highest	5101.50	-60.34	-25	-35.34	-79.65	-65.90	7.16	12.72	H
	7652.25	-42.74	-25	-17.74	-67.36	-46.04	8.33	11.63	H
	10203.00	-51.92	-25	-26.92	-80.38	-53.52	10.50	12.10	H
	5101.50	-60.43	-25	-35.43	-79.54	-65.99	7.16	12.72	V
	7652.25	-44.32	-25	-19.32	-69.49	-47.62	8.33	11.63	V
	10203.00	-53.27	-25	-28.27	-80.54	-54.87	10.50	12.10	V

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



EN-DC_66A_n7A / LTE 20MHz + NR 20MHz / QPSK /ANT2(LTE)&ANT4(NR)									
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 n7 Lowest	5001.40	-62.06	-25	-37.06	-81.46	-67.62	7.12	12.68	H
	7502.10	-55.59	-25	-30.59	-80.46	-58.92	8.26	11.59	H
	10002.80	-52.23	-25	-27.23	-80.63	-53.76	10.45	11.98	H
	5001.40	-62.03	-25	-37.03	-81.42	-67.59	7.12	12.68	V
	7502.10	-55.39	-25	-30.39	-80.67	-58.72	8.26	11.59	V
	10002.80	-53.91	-25	-28.91	-80.82	-55.44	10.45	11.98	V
LTE Band66 Lowest	3481	-63.70	-13	-50.70	-78.19	-70.55	5.65	12.50	H
	5221.5	-61.65	-13	-48.65	-80.63	-67.32	7.13	12.80	H
	6962	-57.01	-13	-44.01	-80.04	-60.41	8.40	11.80	H
	3481	-63.48	-13	-50.48	-78	-70.33	5.65	12.50	V
	5221.5	-61.85	-13	-48.85	-80.42	-67.52	7.13	12.80	V
	6962	-57.02	-13	-44.02	-80.29	-60.42	8.40	11.80	V
NR n7 Middle	5051.50	-62.03	-25	-37.03	-81.39	-67.59	7.14	12.70	H
	7577.25	-55.18	-25	-30.18	-79.94	-58.48	8.30	11.60	H
	10103.00	-52.00	-25	-27.00	-80.43	-53.52	10.48	12.00	H
	5051.50	-62.45	-25	-37.45	-81.7	-68.01	7.14	12.70	V
	7577.25	-54.85	-25	-29.85	-80.09	-58.15	8.30	11.60	V
	10103.00	-53.43	-25	-28.43	-80.52	-54.95	10.48	12.00	V
LTE Band66 Middle	3481	-63.03	-13	-50.03	-77.52	-69.88	5.65	12.50	H
	5221.5	-58.96	-13	-45.96	-77.94	-64.63	7.13	12.80	H
	6962	-57.12	-13	-44.12	-80.15	-60.52	8.40	11.80	H
	3481	-61.76	-13	-48.76	-76.28	-68.61	5.65	12.50	V
	5221.5	-60.25	-13	-47.25	-78.82	-65.92	7.13	12.80	V
	6962	-57.07	-13	-44.07	-80.34	-60.47	8.40	11.80	V
NR n7 Highest	5101.50	-61.86	-25	-36.86	-81.17	-67.42	7.16	12.72	H
	7652.25	-55.24	-25	-30.24	-79.86	-58.54	8.33	11.63	H
	10203.00	-51.78	-25	-26.78	-80.24	-53.38	10.50	12.10	H
	5101.50	-61.79	-25	-36.79	-80.9	-67.35	7.16	12.72	V
	7652.25	-54.78	-25	-29.78	-79.95	-58.08	8.33	11.63	V
	10203.00	-53.02	-25	-28.02	-80.29	-54.62	10.50	12.10	V
LTE Band66 Highest	3481	-63.74	-13	-50.74	-78.23	-70.59	5.65	12.50	H
	5221.5	-61.49	-13	-48.49	-80.47	-67.16	7.13	12.80	H
	6962	-56.92	-13	-43.92	-79.95	-60.32	8.40	11.80	H
	3481	-63.57	-13	-50.57	-78.09	-70.42	5.65	12.50	V
	5221.5	-62.09	-13	-49.09	-80.66	-67.76	7.13	12.80	V
	6962	-56.99	-13	-43.99	-80.26	-60.39	8.40	11.80	V

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



SA n41 / NR 100MHz / QPSK / ANT4									
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	4994.80	-50.86	-25	-25.86	-70.25	-56.42	7.12	12.68	H
	7492.20	-49.51	-25	-24.51	-74.40	-52.84	8.26	11.59	H
	9989.60	-52.47	-25	-27.47	-80.86	-54.00	10.45	11.98	H
	4994.80	-53.31	-25	-28.31	-72.68	-58.87	7.12	12.68	V
	7492.20	-52.52	-25	-27.52	-77.81	-55.85	8.26	11.59	V
	9989.60	-53.27	-25	-28.27	-80.24	-54.80	10.45	11.98	V
Middle	5089.00	-56.08	-25	-31.08	-75.40	-61.64	7.14	12.70	H
	7633.50	-49.38	-25	-24.38	-74.04	-52.68	8.30	11.60	H
	10178.00	-51.85	-25	-26.85	-80.31	-53.37	10.48	12.00	H
	5089.00	-56.16	-25	-31.16	-75.31	-61.72	7.14	12.70	V
	7633.50	-50.68	-25	-25.68	-75.87	-53.98	8.30	11.60	V
	10178.00	-53.22	-25	-28.22	-80.45	-54.74	10.48	12.00	V
Highest	5182.80	-59.41	-25	-34.41	-78.64	-64.97	7.16	12.72	H
	7774.20	-48.81	-25	-23.81	-73.19	-52.11	8.33	11.63	H
	10365.60	-52.51	-25	-27.51	-81.02	-54.11	10.50	12.10	H
	5182.80	-59.07	-25	-34.07	-77.96	-64.63	7.16	12.72	V
	7774.20	-49.84	-25	-24.84	-74.88	-53.14	8.33	11.63	V
	10365.60	-53.36	-25	-28.36	-80.92	-54.96	10.50	12.10	V

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



EN-DC_25A_n41A / LTE 20MHz + NR 100MHz / QPSK / ANT2(LTE) + ANT4(NR)									
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 n41 Lowest	4994.80	-60.05	-25	-35.05	-79.44	-65.61	7.12	12.68	H
	7492.20	-55.60	-25	-30.60	-80.49	-58.93	8.26	11.59	H
	9989.60	-51.96	-25	-26.96	-80.35	-53.49	10.45	11.98	H
	4994.80	-60.77	-25	-35.77	-80.14	-66.33	7.12	12.68	V
	7492.20	-55.22	-25	-30.22	-80.51	-58.55	8.26	11.59	V
	9989.60	-53.42	-25	-28.42	-80.39	-54.95	10.45	11.98	V
LTE Band25 Lowest	3756	-62.84	-13	-49.84	-78.61	-69.59	5.85	12.60	H
	5634	-60.95	-13	-47.95	-80.25	-66.75	7.30	13.10	H
	7512	-55.62	-13	-42.62	-80.47	-58.77	8.35	11.50	H
	3756	-63.14	-13	-50.14	-78.48	-69.89	5.85	12.60	V
	5634	-61.65	-13	-48.65	-79.9	-67.45	7.30	13.10	V
	7512	-55.22	-13	-42.22	-80.49	-58.37	8.35	11.50	V
NR n41 Middle	5089.00	-61.75	-25	-36.75	-81.07	-67.31	7.14	12.70	H
	7633.50	-55.06	-25	-30.06	-79.72	-58.36	8.30	11.60	H
	10178.00	-51.86	-25	-26.86	-80.32	-53.38	10.48	12.00	H
	5089.00	-62.04	-25	-37.04	-81.19	-67.60	7.14	12.70	V
	7633.50	-54.48	-25	-29.48	-79.67	-57.78	8.30	11.60	V
	10178.00	-52.98	-25	-27.98	-80.21	-54.50	10.48	12.00	V
LTE Band25 Middle	3756	-62.29	-13	-49.29	-78.06	-69.04	5.85	12.60	H
	5634	-61.05	-13	-48.05	-80.35	-66.85	7.30	13.10	H
	7512	-55.49	-13	-42.49	-80.34	-58.64	8.35	11.50	H
	3756	-62.80	-13	-49.80	-78.14	-69.55	5.85	12.60	V
	5634	-62.27	-13	-49.27	-80.52	-68.07	7.30	13.10	V
	7512	-55.34	-13	-42.34	-80.61	-58.49	8.35	11.50	V
NR n41 Highest	5182.80	-61.98	-25	-36.98	-81.21	-67.54	7.16	12.72	H
	7774.20	-55.69	-25	-30.69	-80.07	-58.99	8.33	11.63	H
	10365.60	-52.41	-25	-27.41	-80.92	-54.01	10.50	12.10	H
	5182.80	-62.61	-25	-37.61	-81.5	-68.17	7.16	12.72	V
	7774.20	-54.90	-25	-29.90	-79.94	-58.20	8.33	11.63	V
	10365.60	-53.36	-25	-28.36	-80.92	-54.96	10.50	12.10	V
LTE Band25 Highest	3756	-62.73	-13	-49.73	-78.50	-69.48	5.85	12.60	H
	5634	-60.62	-13	-47.62	-79.92	-66.42	7.30	13.10	H
	7512	-55.41	-13	-42.41	-80.26	-58.56	8.35	11.50	H
	3756	-62.95	-13	-49.95	-78.29	-69.70	5.85	12.60	V
	5634	-61.82	-13	-48.82	-80.07	-67.62	7.30	13.10	V
	7512	-55.33	-13	-42.33	-80.6	-58.48	8.35	11.50	V

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



SA n66 / NR 30MHz / QPSK / ANT3									
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	3432	-56.69	-13	-43.69	-70.91	-63.57	5.60	12.48	H
	5148	-59.43	-13	-46.43	-78.69	-65.11	7.10	12.78	H
	6864	-56.95	-13	-43.95	-79.75	-60.34	8.38	11.77	H
	3432	-52.91	-13	-39.91	-67.15	-59.79	5.60	12.48	V
	5148	-59.73	-13	-46.73	-78.71	-65.41	7.10	12.78	V
	6864	-56.77	-13	-43.77	-79.97	-60.16	8.38	11.77	V
Middle	3462	-59.01	-13	-46.01	-73.40	-65.86	5.65	12.50	H
	5193	-61.23	-13	-48.23	-80.45	-66.90	7.13	12.80	H
	6924	-57.12	-13	-44.12	-80.06	-60.52	8.40	11.80	H
	3462	-55.58	-13	-42.58	-70	-62.43	5.65	12.50	V
	5193	-61.80	-13	-48.80	-80.66	-67.47	7.13	12.80	V
	6924	-57.28	-13	-44.28	-80.52	-60.68	8.40	11.80	V
Highest	3504	-57.71	-13	-44.71	-72.32	-64.55	5.68	12.52	H
	5256	-61.60	-13	-48.60	-80.29	-67.27	7.15	12.82	H
	7008	-57.45	-13	-44.45	-80.60	-60.88	8.42	11.85	H
	3504	-55.26	-13	-42.26	-69.91	-62.10	5.68	12.52	V
	5256	-62.09	-13	-49.09	-80.34	-67.76	7.15	12.82	V
	7008	-57.23	-13	-44.23	-80.59	-60.66	8.42	11.85	V

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



EN-DC_48A_n66A / LTE 20MHz + NR 30MHz / QPSK / ANT4(LTE)+ANT3(NR)									
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 Lowest	3419	-64.30	-13	-51.30	-65.55	-71.18	5.60	12.48	H
	5128.5	-60.76	-13	-47.76	-65.45	-66.44	7.10	12.78	H
	6838	-57.98	-13	-44.98	-65.22	-61.37	8.38	11.77	H
	3419	-63.81	-13	-50.81	-66.26	-70.69	5.60	12.48	V
	5128.5	-57.22	-13	-44.22	-62.65	-62.90	7.10	12.78	V
	6838	-56.43	-13	-43.43	-65.68	-59.82	8.38	11.77	V
LTE Band48 Lowest	7241.00	-56.98	-40	-16.98	-65.66	-60.28	8.30	11.60	H
	10861.50	-51.83	-40	-11.83	-65.61	-53.35	10.48	12.00	H
	14482.00	-53.23	-40	-13.23	-69.47	-54.93	11.80	13.50	H
	7241.00	-55.48	-40	-15.48	-65.89	-58.78	8.30	11.60	V
	10861.50	-52.00	-40	-12.00	-67.42	-53.52	10.48	12.00	V
	14482.00	-53.49	-40	-13.49	-69.33	-55.19	11.80	13.50	V
NR n66 Middle	3490	-64.39	-13	-51.39	-66.82	-71.24	5.65	12.50	H
	5235	-61.13	-13	-48.13	-66.40	-66.80	7.13	12.80	H
	6980	-58.11	-13	-45.11	-65.83	-61.51	8.40	11.80	H
	3490	-63.29	-13	-50.29	-66.39	-70.14	5.65	12.50	V
	5235	-61.01	-13	-48.01	-66.35	-66.68	7.13	12.80	V
	6980	-57.40	-13	-44.40	-65.49	-60.80	8.40	11.80	V
LTE Band48 Middle	7241.00	-57.13	-40	-17.13	-65.81	-60.43	8.30	11.60	H
	10861.50	-53.96	-40	-13.96	-67.74	-55.48	10.48	12.00	H
	14482.00	-52.28	-40	-12.28	-68.52	-53.98	11.80	13.50	H
	7241.00	-55.13	-40	-15.13	-65.54	-58.43	8.30	11.60	V
	10861.50	-51.86	-40	-11.86	-67.28	-53.38	10.48	12.00	V
	14482.00	-53.42	-40	-13.42	-69.26	-55.12	11.80	13.50	V
NR n66 Highest	3496	-63.77	-13	-50.77	-66.00	-70.61	5.68	12.52	H
	5244	-60.64	-13	-47.64	-65.97	-66.31	7.15	12.82	H
	6992	-58.02	-13	-45.02	-65.74	-61.45	8.42	11.85	H
	3496	-62.71	-13	-49.71	-66.48	-69.55	5.68	12.52	V
	5244	-60.66	-13	-47.66	-65.96	-66.33	7.15	12.82	V
	6992	-57.46	-13	-44.46	-65.55	-60.89	8.42	11.85	V
LTE Band48 Highest	7241.00	-55.56	-40	-15.56	-64.24	-58.86	8.30	11.60	H
	10861.50	-50.98	-40	-10.98	-64.76	-52.50	10.48	12.00	H
	14482.00	-53.43	-40	-13.43	-69.67	-55.13	11.80	13.50	H
	7241.00	-54.88	-40	-14.88	-65.29	-58.18	8.30	11.60	V
	10861.50	-52.66	-40	-12.66	-68.08	-54.18	10.48	12.00	V
	14482.00	-53.79	-40	-13.79	-69.63	-55.49	11.80	13.50	V

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