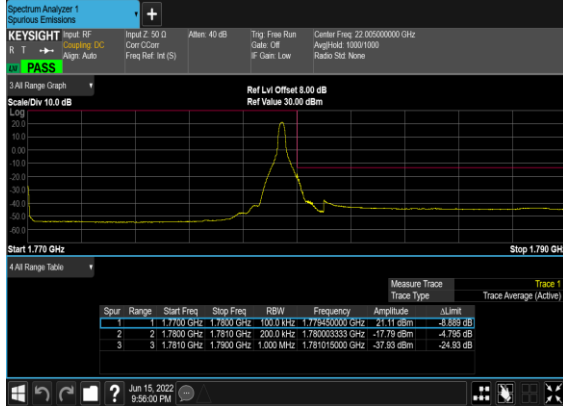
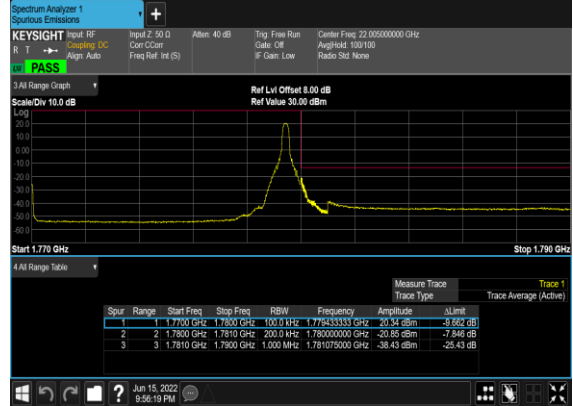


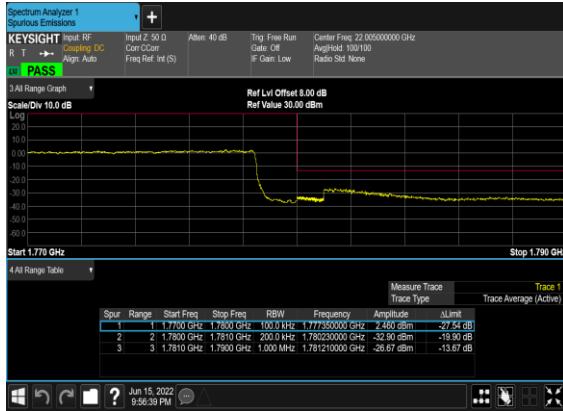
N66(20M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



N66(20M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



N66(20M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



N66(20M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

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

SA n5 / NR 20MHz / QPSK / ANT0(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-64.05	-13	-51.05	-71.02	1.58	10.70	H
	2472	-50.08	-13	-37.08	-58.33	2.10	12.50	H
	3304	-60.30	-13	-47.30	-69.19	2.86	13.90	H
	1648	-62.00	-13	-49.00	-68.97	1.58	10.70	V
	2472	-49.54	-13	-36.54	-57.79	2.10	12.50	V
	3304	-59.93	-13	-46.93	-68.82	2.86	13.90	V
Middle	1656	-65.58	-13	-52.58	-72.55	1.58	10.70	H
	2480	-61.11	-13	-48.11	-69.36	2.10	12.50	H
	3312	-60.07	-13	-47.07	-68.96	2.86	13.90	H
	1656	-64.79	-13	-51.79	-71.76	1.58	10.70	V
	2480	-59.37	-13	-46.37	-67.62	2.10	12.50	V
	3312	-60.33	-13	-47.33	-69.22	2.86	13.90	V
Highest	1656	-64.66	-13	-51.66	-71.63	1.58	10.70	H
	2488	-48.44	-13	-35.44	-56.69	2.10	12.50	H
	3320	-60.09	-13	-47.09	-68.98	2.86	13.90	H
	1656	-63.56	-13	-50.56	-70.53	1.58	10.70	V
	2488	-46.78	-13	-33.78	-55.03	2.10	12.50	V
	3320	-60.54	-13	-47.54	-69.43	2.86	13.90	V

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



EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT5(LTE) & ANT0(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1650	-65.20	-13	-52.20	-72.17	1.58	10.70	H
	2474	-54.53	-13	-41.53	-62.78	2.10	12.50	H
	3300	-60.15	-13	-47.15	-69.04	2.86	13.90	H
	1650	-63.77	-13	-50.77	-70.74	1.58	10.70	V
	2474	-56.33	-13	-43.33	-64.58	2.10	12.50	V
	3300	-60.30	-13	-47.30	-69.19	2.86	13.90	V
Middle	1656	-65.77	-13	-52.77	-72.74	1.58	10.70	H
	2482	-51.55	-13	-38.55	-59.80	2.10	12.50	H
	3312	-59.97	-13	-46.97	-68.86	2.86	13.90	H
	1656	-63.72	-13	-50.72	-70.69	1.58	10.70	V
	2482	-52.87	-13	-39.87	-61.12	2.10	12.50	V
	3312	-60.15	-13	-47.15	-69.04	2.86	13.90	V
Highest	1660	-65.88	-13	-52.88	-72.85	1.58	10.70	H
	2490	-52.99	-13	-39.99	-61.24	2.10	12.50	H
	3318	-60.32	-13	-47.32	-69.21	2.86	13.90	H
	1660	-64.49	-13	-51.49	-71.46	1.58	10.70	V
	2490	-52.78	-13	-39.78	-61.03	2.10	12.50	V
	3318	-60.58	-13	-47.58	-69.47	2.86	13.90	V

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

SA n7 / NR 20MHz / QPSK / ANT1(NR)								
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)
Lowest	4995	-62.96	-25	-37.96	-73.17	3.03	13.24	H
	7500	-59.36	-25	-34.36	-68.81	3.56	13.01	H
	10005	-61.23	-25	-36.23	-70.75	3.92	13.44	H
	4995	-62.73	-25	-37.73	-72.94	3.03	13.24	V
	7500	-61.89	-25	-36.89	-71.34	3.56	13.01	V
	10005	-61.35	-25	-36.35	-70.87	3.92	13.44	V
Middle	5055	-63.09	-25	-38.09	-73.30	3.03	13.24	H
	7575	-55.53	-25	-30.53	-64.98	3.56	13.01	H
	10110	-61.92	-25	-36.92	-71.44	3.92	13.44	H
	5055	-63.66	-25	-38.66	-73.87	3.03	13.24	V
	7575	-56.53	-25	-31.53	-65.98	3.56	13.01	V
	10125	-61.78	-25	-36.78	-71.30	3.92	13.44	V
Highest	5100	-62.65	-25	-37.65	-72.86	3.03	13.24	H
	7650	-54.16	-25	-29.16	-63.61	3.56	13.01	H
	10200	-60.99	-25	-35.99	-70.51	3.92	13.44	H
	5100	-62.62	-25	-37.62	-72.83	3.03	13.24	V
	7650	-56.11	-25	-31.11	-65.56	3.56	13.01	V
	10200	-61.38	-25	-36.38	-70.90	3.92	13.44	V

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



EN-DC_66A_n7A / LTE 20MHz + NR 20MHz / QPSK / ANT1(LTE) & ANT5(NR)								
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)
Lowest	5000	-57.56	-25	-32.56	-67.77	3.03	13.24	H
	7504	-57.24	-25	-32.24	-66.69	3.56	13.01	H
	10000	-61.38	-25	-36.38	-70.90	3.92	13.44	H
	5000	-59.30	-25	-34.30	-69.51	3.03	13.24	V
	7504	-60.27	-25	-35.27	-69.72	3.56	13.01	V
	10000	-62.06	-25	-37.06	-71.58	3.92	13.44	V
Middle	5052	-58.27	-25	-33.27	-68.48	3.03	13.24	H
	7576	-57.98	-25	-32.98	-67.43	3.56	13.01	H
	10100	-61.88	-25	-36.88	-71.40	3.92	13.44	H
	5052	-59.22	-25	-34.22	-69.43	3.03	13.24	V
	7576	-58.39	-25	-33.39	-67.84	3.56	13.01	V
	10100	-62.01	-25	-37.01	-71.53	3.92	13.44	V
Highest	5100	-57.41	-25	-32.41	-67.62	3.03	13.24	H
	7652	-53.69	-25	-28.69	-63.14	3.56	13.01	H
	10200	-61.59	-25	-36.59	-71.11	3.92	13.44	H
	5100	-59.82	-25	-34.82	-70.03	3.03	13.24	V
	7652	-56.21	-25	-31.21	-65.66	3.56	13.01	V
	10200	-61.57	-25	-36.57	-71.09	3.92	13.44	V

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

SA n41 / NR 100MHz / QPSK / ANT9(NR)								
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)
NR n5 Lowest	4995	-59.20	-25	-34.20	-69.41	3.03	13.24	H
	7500	-61.80	-25	-36.80	-71.25	3.56	13.01	H
	10005	-60.91	-25	-35.91	-70.43	3.92	13.44	H
	4995	-60.64	-25	-35.64	-70.85	3.03	13.24	V
	7500	-62.85	-25	-37.85	-72.30	3.56	13.01	V
	10005	-61.09	-25	-36.09	-70.61	3.92	13.44	V
NR n5 Middle	5088	-58.85	-25	-33.85	-69.06	3.03	13.24	H
	7632	-59.28	-25	-34.28	-68.73	3.56	13.01	H
	10190	-61.52	-25	-36.52	-71.04	3.92	13.44	H
	5088	-60.58	-25	-35.58	-70.79	3.03	13.24	V
	7632	-62.40	-25	-37.40	-71.85	3.56	13.01	V
	10190	-62.16	-25	-37.16	-71.68	3.92	13.44	V
NR n5 Highest	5180	-59.72	-25	-34.72	-69.93	3.03	13.24	H
	7776	-57.07	-25	-32.07	-66.52	3.56	13.01	H
	10370	-59.01	-25	-34.01	-68.53	3.92	13.44	H
	5180	-63.03	-25	-38.03	-73.24	3.03	13.24	V
	7776	-58.94	-25	-33.94	-68.39	3.56	13.01	V
	10370	-59.43	-25	-34.43	-68.95	3.92	13.44	V

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



SA n66 / NR 20MHz / QPSK / ANT1(NR)								
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)
Lowest	3420	-57.66	-13	-44.66	-68.40	2.604	13.34	H
	5130	-54.75	-13	-41.75	-65.26	3.011	13.52	H
	6840	-54.62	-13	-41.62	-64.82	3.271	13.47	H
	3420	-56.61	-13	-43.61	-67.35	2.604	13.34	V
	5130	-54.93	-13	-41.93	-65.44	3.011	13.52	V
	6840	-54.42	-13	-41.42	-64.62	3.271	13.47	V
Middle	3471	-57.78	-13	-44.78	-68.52	2.604	13.34	H
	5208	-52.87	-13	-39.87	-63.38	3.011	13.52	H
	6948	-54.21	-13	-41.21	-64.41	3.271	13.47	H
	3471	-58.44	-13	-45.44	-69.18	2.604	13.34	V
	5208	-55.09	-13	-42.09	-65.60	3.011	13.52	V
	6948	-53.81	-13	-40.81	-64.01	3.271	13.47	V
Highest	3525	-57.32	-13	-44.32	-68.06	2.604	13.34	H
	5280	-54.63	-13	-41.63	-65.14	3.011	13.52	H
	7050	-54.16	-13	-41.16	-64.36	3.271	13.47	H
	3525	-57.43	-13	-44.43	-68.17	2.604	13.34	V
	5280	-54.32	-13	-41.32	-64.83	3.011	13.52	V
	7050	-54.00	-13	-41.00	-64.20	3.271	13.47	V

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

EN-DC_7A_n66A / LTE 20MHz + NR 20MHz / QPSK / ANT5(LTE) & ANT1(NR)								
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)
Lowest	3423	-57.71	-13	-44.71	-68.45	2.604	13.34	H
	5133	-55.07	-13	-42.07	-65.58	3.011	13.52	H
	6840	-54.09	-13	-41.09	-64.29	3.271	13.47	H
	3423	-57.54	-13	-44.54	-68.28	2.604	13.34	V
	5133	-55.10	-13	-42.10	-65.61	3.011	13.52	V
	6840	-54.31	-13	-41.31	-64.51	3.271	13.47	V
Middle	3471	-57.91	-13	-44.91	-68.65	2.604	13.34	H
	5208	-54.94	-13	-41.94	-65.45	3.011	13.52	H
	6948	-54.15	-13	-41.15	-64.35	3.271	13.47	H
	3471	-58.15	-13	-45.15	-68.89	2.604	13.34	V
	5208	-55.07	-13	-42.07	-65.58	3.011	13.52	V
	6948	-54.21	-13	-41.21	-64.41	3.271	13.47	V
Highest	3552	-58.04	-13	-45.04	-68.78	2.604	13.34	H
	5283	-55.19	-13	-42.19	-65.70	3.011	13.52	H
	7044	-54.20	-13	-41.20	-64.40	3.271	13.47	H
	3552	-58.50	-13	-45.50	-69.24	2.604	13.34	V
	5283	-55.30	-13	-42.30	-65.81	3.011	13.52	V
	7044	-54.23	-13	-41.23	-64.43	3.271	13.47	V

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