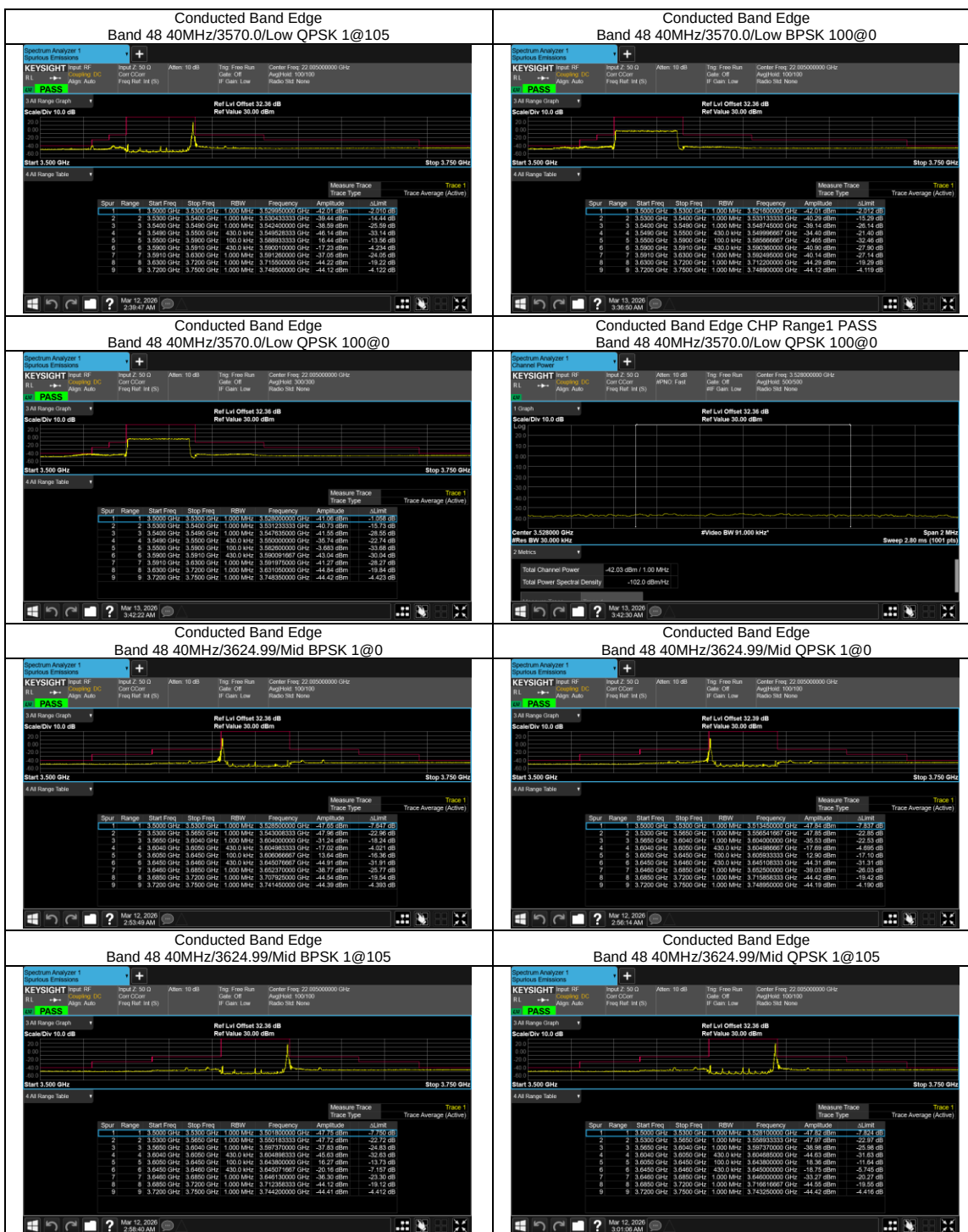








Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

SA n48 / 40MHz / QPSK / ANT10 Main PA								
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	7102.00	-54.47	-40	-14.47	-57.80	8.25	11.58	H
	10653.00	-55.40	-40	-15.40	-56.95	10.45	12.00	H
	14204.00	-50.93	-40	-10.93	-52.64	11.74	13.45	H
	7102.00	-58.86	-40	-18.86	-62.19	8.25	11.58	V
	10653.00	-56.18	-40	-16.18	-57.73	10.45	12.00	V
	14204.00	-51.02	-40	-11.02	-52.73	11.74	13.45	V
Middle	7212.00	-56.44	-40	-16.44	-59.74	8.30	11.60	H
	10818.00	-51.21	-40	-11.21	-52.73	10.48	12.00	H
	14424.00	-49.74	-40	-9.74	-51.44	11.80	13.50	H
	7212.00	-58.19	-40	-18.19	-61.49	8.30	11.60	V
	10818.00	-52.44	-40	-12.44	-53.96	10.48	12.00	V
	14424.00	-50.43	-40	-10.43	-52.13	11.80	13.50	V
Highest	7322.00	-54.19	-40	-14.19	-57.49	8.32	11.62	H
	10983.00	-53.49	-40	-13.49	-55.17	10.52	12.20	H
	14644.00	-50.61	-40	-10.61	-52.31	11.85	13.55	H
	7322.00	-58.90	-40	-18.90	-62.20	8.32	11.62	V
	10983.00	-53.32	-40	-13.32	-55.00	10.52	12.20	V
	14644.00	-50.42	-40	-10.42	-52.12	11.85	13.55	V



EN-DC_2A_n48A / LTE 20MHz + NR 40MHz / QPSK / ANT9(LTE) & ANT10(NR) Main PA								
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 n48 Lowest	7102.00	-59.38	-40	-19.38	-62.71	8.25	11.58	H
	10653.00	-56.53	-40	-16.53	-58.08	10.45	12.00	H
	14204.00	-51.60	-40	-11.60	-53.31	11.74	13.45	H
	7102.00	-58.62	-40	-18.62	-61.95	8.25	11.58	V
	10653.00	-56.74	-40	-16.74	-58.29	10.45	12.00	V
	14204.00	-51.74	-40	-11.74	-53.45	11.74	13.45	V
LTE Band2 Lowest	3751	-60.51	-13	-47.51	-67.26	5.85	12.60	H
	5626.5	-48.66	-13	-35.66	-54.46	7.30	13.10	H
	7502	-58.38	-13	-45.38	-61.53	8.35	11.50	H
	3751	-60.66	-13	-47.66	-67.41	5.85	12.60	V
	5626.5	-56.30	-13	-43.30	-62.10	7.30	13.10	V
	7502	-58.79	-13	-45.79	-61.94	8.35	11.50	V
NR n48 Middle	7212.00	-59.31	-40	-19.31	-62.61	8.30	11.60	H
	10818.00	-55.77	-40	-15.77	-57.29	10.48	12.00	H
	14424.00	-49.68	-40	-9.68	-51.38	11.80	13.50	H
	7212.00	-58.77	-40	-18.77	-62.07	8.30	11.60	V
	10818.00	-55.96	-40	-15.96	-57.48	10.48	12.00	V
	14424.00	-50.47	-40	-10.47	-52.17	11.80	13.50	V
LTE Band2 Middle	3751	-60.58	-13	-47.58	-67.33	5.85	12.60	H
	5626.5	-52.53	-13	-39.53	-58.33	7.30	13.10	H
	7502	-58.43	-13	-45.43	-61.58	8.35	11.50	H
	3751	-60.58	-13	-47.58	-67.33	5.85	12.60	V
	5626.5	-57.64	-13	-44.64	-63.44	7.30	13.10	V
	7502	-57.61	-13	-44.61	-60.76	8.35	11.50	V
NR n48 Highest	7322.00	-59.37	-40	-19.37	-62.67	8.32	11.62	H
	10983.00	-54.70	-40	-14.70	-56.38	10.52	12.20	H
	14644.00	-50.58	-40	-10.58	-52.28	11.85	13.55	H
	7322.00	-59.28	-40	-19.28	-62.58	8.32	11.62	V
	10983.00	-54.97	-40	-14.97	-56.65	10.52	12.20	V
	14644.00	-51.30	-40	-11.30	-53.00	11.85	13.55	V
LTE Band2 Highest	3751	-60.60	-13	-47.60	-67.35	5.85	12.60	H
	5626.5	-49.40	-13	-36.40	-55.20	7.30	13.10	H
	7502	-59.00	-13	-46.00	-62.15	8.35	11.50	H
	3751	-60.46	-13	-47.46	-67.21	5.85	12.60	V
	5626.5	-56.87	-13	-43.87	-62.67	7.30	13.10	V
	7502	-58.72	-13	-45.72	-61.87	8.35	11.50	V



SA n48 / 40MHz / QPSK / ANT4 PA Reference Designator								
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	7102.00	-47.37	-40	-7.37	-50.70	8.25	11.58	H
	10653.00	-55.97	-40	-15.97	-57.52	10.45	12.00	H
	14204.00	-50.89	-40	-10.89	-52.60	11.74	13.45	H
	7102.00	-53.18	-40	-13.18	-56.51	8.25	11.58	V
	10653.00	-56.64	-40	-16.64	-58.19	10.45	12.00	V
	14204.00	-51.72	-40	-11.72	-53.43	11.74	13.45	V
Middle	7212.00	-47.22	-40	-7.22	-50.52	8.30	11.60	H
	10818.00	-55.17	-40	-15.17	-56.69	10.48	12.00	H
	14424.00	-49.02	-40	-9.02	-50.72	11.80	13.50	H
	7212.00	-50.94	-40	-10.94	-54.24	8.30	11.60	V
	10818.00	-55.87	-40	-15.87	-57.39	10.48	12.00	V
	14424.00	-50.19	-40	-10.19	-51.89	11.80	13.50	V
Highest	7322.00	-46.05	-40	-6.05	-49.35	8.32	11.62	H
	10983.00	-54.62	-40	-14.62	-56.30	10.52	12.20	H
	14644.00	-50.66	-40	-10.66	-52.36	11.85	13.55	H
	7322.00	-50.59	-40	-10.59	-53.89	8.32	11.62	V
	10983.00	-55.04	-40	-15.04	-56.72	10.52	12.20	V
	14644.00	-51.27	-40	-11.27	-52.97	11.85	13.55	V



EN-DC 2A_n48A / LTE 20MHz + NR 40MHz / QPSK / ANT1(LTE) & ANT4(NR) PA Reference Designator								
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 n48 Lowest	7102.00	-59.54	-40	-19.54	-62.87	8.25	11.58	H
	10653.00	-56.36	-40	-16.36	-57.91	10.45	12.00	H
	14204.00	-51.41	-40	-11.41	-53.12	11.74	13.45	H
	7102.00	-58.92	-40	-18.92	-62.25	8.25	11.58	V
	10653.00	-57.00	-40	-17.00	-58.55	10.45	12.00	V
	14204.00	-51.93	-40	-11.93	-53.64	11.74	13.45	V
LTE Band2 Lowest	3751	-57.73	-13	-44.73	-64.48	5.85	12.60	H
	5626.5	-56.06	-13	-43.06	-61.86	7.30	13.10	H
	7502	-58.19	-13	-45.19	-61.34	8.35	11.50	H
	3751	-58.75	-13	-45.75	-65.50	5.85	12.60	V
	5626.5	-55.89	-13	-42.89	-61.69	7.30	13.10	V
	7502	-58.92	-13	-45.92	-62.07	8.35	11.50	V
NR n48 Middle	7212.00	-59.38	-40	-19.38	-62.68	8.30	11.60	H
	10818.00	-55.55	-40	-15.55	-57.07	10.48	12.00	H
	14424.00	-49.74	-40	-9.74	-51.44	11.80	13.50	H
	7212.00	-59.42	-40	-19.42	-62.72	8.30	11.60	V
	10818.00	-55.79	-40	-15.79	-57.31	10.48	12.00	V
	14424.00	-50.54	-40	-10.54	-52.24	11.80	13.50	V
LTE Band2 Middle	3751	-57.97	-13	-44.97	-64.72	5.85	12.60	H
	5626.5	-58.17	-13	-45.17	-63.97	7.30	13.10	H
	7502	-58.46	-13	-45.46	-61.61	8.35	11.50	H
	3751	-59.05	-13	-46.05	-65.80	5.85	12.60	V
	5626.5	-52.70	-13	-39.70	-58.50	7.30	13.10	V
	7502	-59.06	-13	-46.06	-62.21	8.35	11.50	V
NR n48 Highest	7322.00	-59.74	-40	-19.74	-63.04	8.32	11.62	H
	10983.00	-54.57	-40	-14.57	-56.25	10.52	12.20	H
	14644.00	-50.66	-40	-10.66	-52.36	11.85	13.55	H
	7322.00	-59.11	-40	-19.11	-62.41	8.32	11.62	V
	10983.00	-55.03	-40	-15.03	-56.71	10.52	12.20	V
	14644.00	-51.31	-40	-11.31	-53.01	11.85	13.55	V
LTE Band2 Highest	3751	-60.54	-13	-47.54	-67.29	5.85	12.60	H
	5626.5	-55.85	-13	-42.85	-61.65	7.30	13.10	H
	7502	-58.31	-13	-45.31	-61.46	8.35	11.50	H
	3751	-58.97	-13	-45.97	-65.72	5.85	12.60	V
	5626.5	-57.18	-13	-44.18	-62.98	7.30	13.10	V
	7502	-58.17	-13	-45.17	-61.32	8.35	11.50	V



n48 UL MIMO / 40MHz / QPSK / ANT10+4								
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	7102.00	-58.07	-40	-18.07	-61.40	8.25	11.58	H
	10653.00	-56.89	-40	-16.89	-58.44	10.45	12.00	H
	14204.00	-52.00	-40	-12.00	-53.71	11.74	13.45	H
	7102.00	-56.43	-40	-16.43	-59.76	8.25	11.58	V
	10653.00	-57.16	-40	-17.16	-58.71	10.45	12.00	V
	14204.00	-52.59	-40	-12.59	-54.30	11.74	13.45	V
Middle	7212.00	-56.16	-40	-16.16	-59.46	8.30	11.60	H
	10818.00	-53.36	-40	-13.36	-54.88	10.48	12.00	H
	14424.00	-50.71	-40	-10.71	-52.41	11.80	13.50	H
	7212.00	-54.27	-40	-14.27	-57.57	8.30	11.60	V
	10818.00	-56.46	-40	-16.46	-57.98	10.48	12.00	V
	14424.00	-50.77	-40	-10.77	-52.47	11.80	13.50	V
Highest	7322.00	-53.77	-40	-13.77	-57.07	8.32	11.62	H
	10983.00	-54.85	-40	-14.85	-56.53	10.52	12.20	H
	14644.00	-51.23	-40	-11.23	-52.93	11.85	13.55	H
	7322.00	-54.32	-40	-14.32	-57.62	8.32	11.62	V
	10983.00	-55.34	-40	-15.34	-57.02	10.52	12.20	V
	14644.00	-51.62	-40	-11.62	-53.32	11.85	13.55	V

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