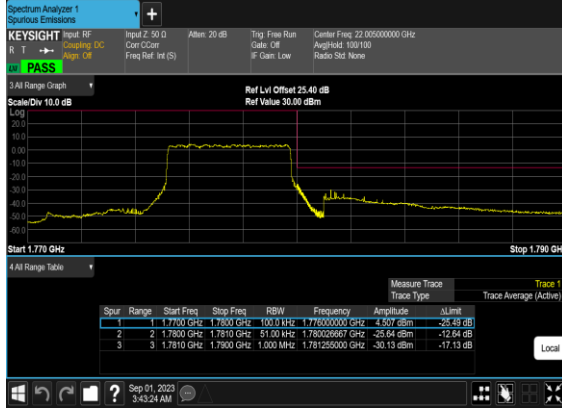
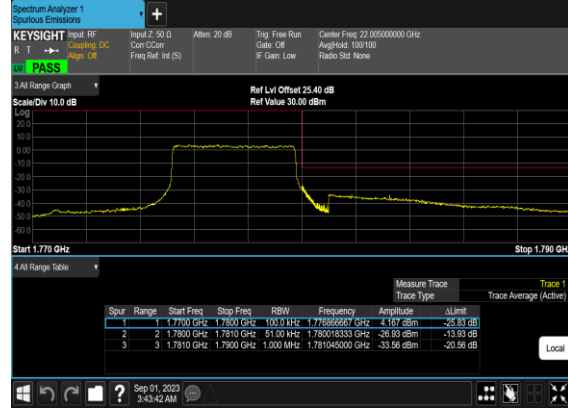


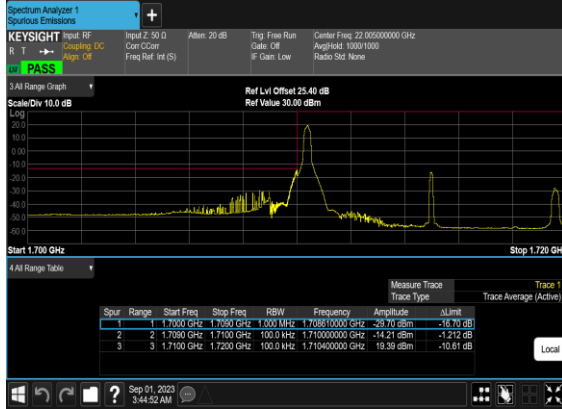
B12_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



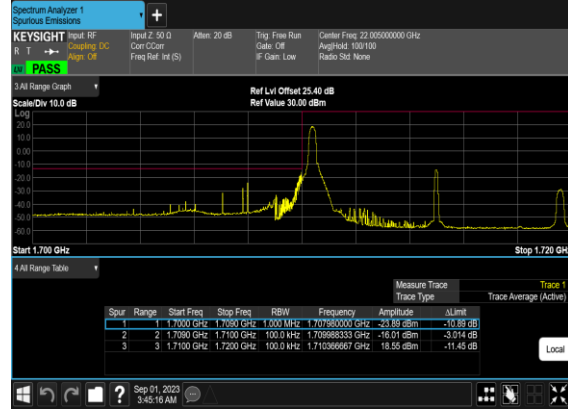
B12_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



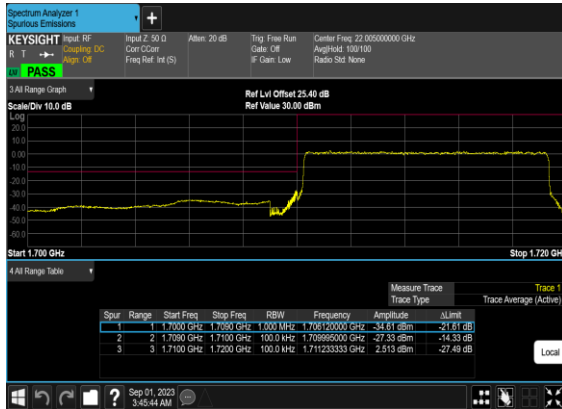
B12_N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



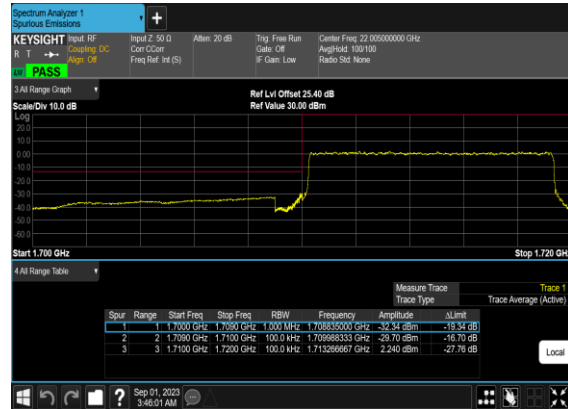
B12_N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B12_N66(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



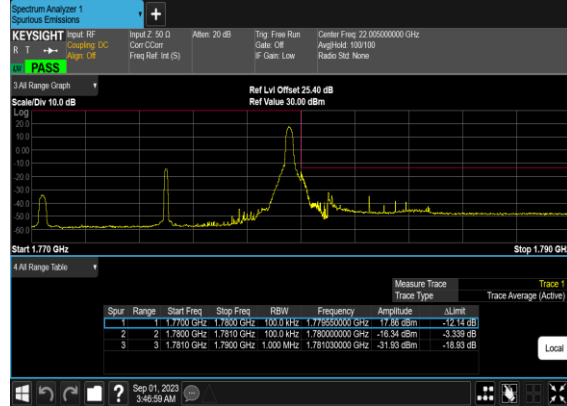
B12_N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B12_N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B12_N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



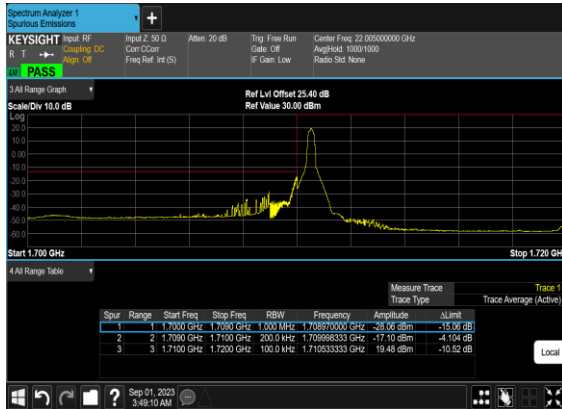
B12_N66(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



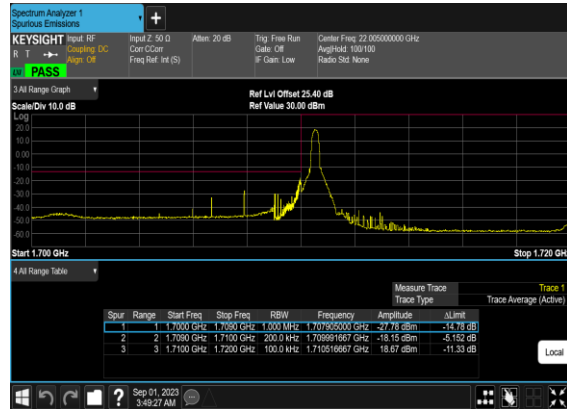
B12_N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



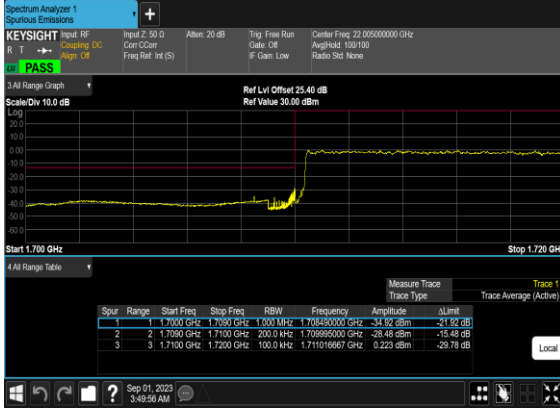
B12_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



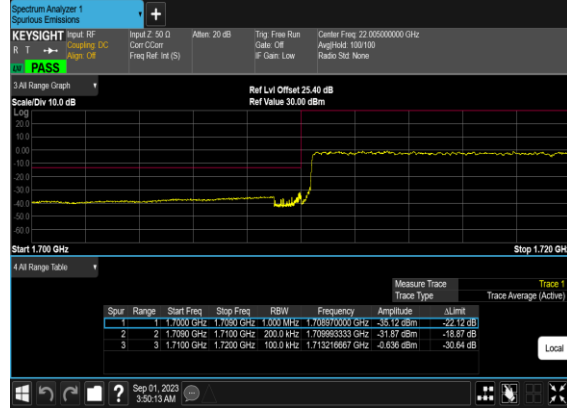
B12_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



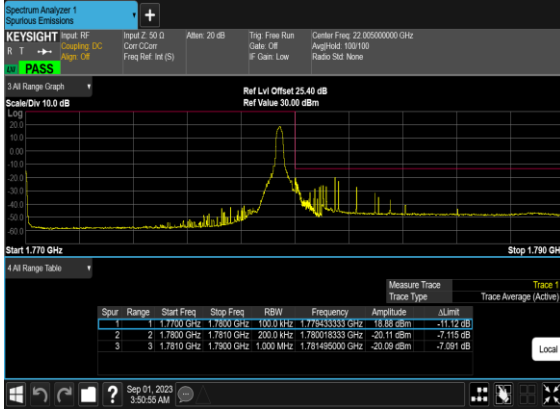
B12_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



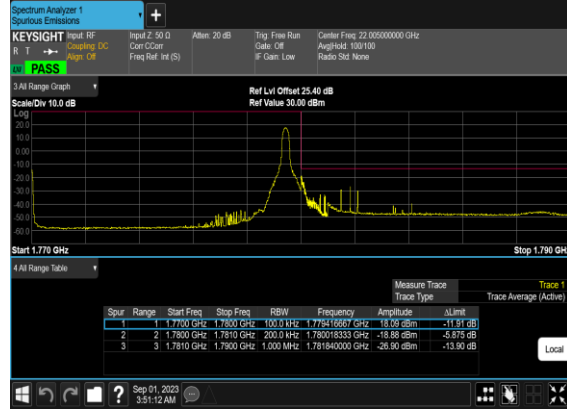
B12_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



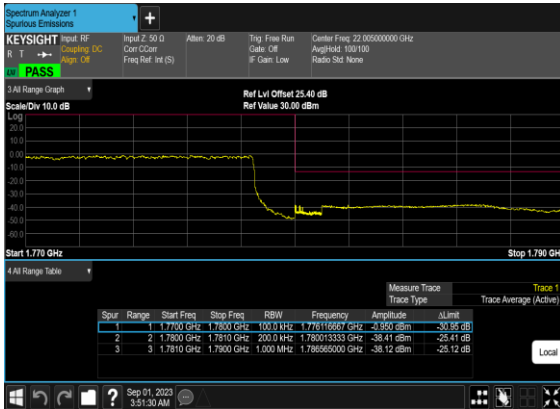
B12_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



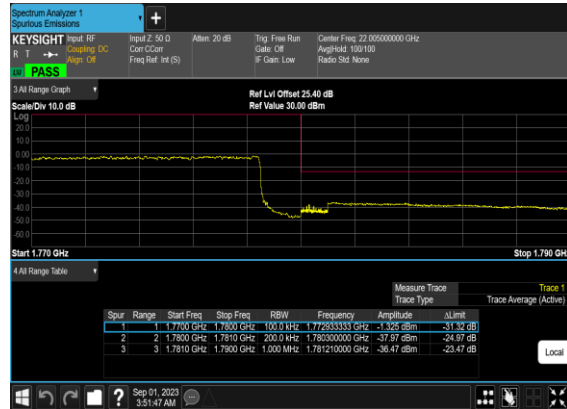
B12_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B12_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B12_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%

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

SA n2 / NR 20MHz / QPSK / ANTO								
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	3705	-65.82	-13	-52.82	-78.08	2.64	14.90	H
	5550	-57.72	-13	-44.72	-69.58	2.94	14.80	H
	7410	-57.91	-13	-44.91	-67.68	3.39	13.16	H
	3705	-66.60	-13	-53.60	-78.86	2.64	14.90	V
	5550	-58.14	-13	-45.14	-70.00	2.94	14.80	V
	7410	-58.12	-13	-45.12	-67.89	3.39	13.16	V
Middle	3735	-63.86	-13	-50.86	-76.12	2.64	14.90	H
	5610	-56.30	-13	-43.30	-68.16	2.94	14.80	H
	7485	-56.46	-13	-43.46	-66.23	3.39	13.16	H
	3735	-65.81	-13	-52.81	-78.07	2.64	14.90	V
	5610	-56.59	-13	-43.59	-68.45	2.94	14.80	V
	7485	-57.00	-13	-44.00	-66.77	3.39	13.16	V
Highest	3780	-64.96	-13	-51.96	-77.22	2.64	14.90	H
	5670	-57.96	-13	-44.96	-69.82	2.94	14.80	H
	7560	-55.83	-13	-42.83	-65.60	3.39	13.16	H
	3780	-66.00	-13	-53.00	-78.26	2.64	14.90	V
	5670	-58.26	-13	-45.26	-70.12	2.94	14.80	V
	7560	-57.31	-13	-44.31	-67.08	3.39	13.16	V

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



EN-DC_13A_n2A / LTE 10MHz + NR 20MHz / QPSK / ANT0(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	3705	-66.15	-13	-53.15	-78.41	2.64	14.90	H
	5550	-59.62	-13	-46.62	-71.48	2.94	14.80	H
	7410	-58.21	-13	-45.21	-67.98	3.39	13.16	H
	3705	-66.69	-13	-53.69	-78.95	2.64	14.90	V
	5550	-59.32	-13	-46.32	-71.18	2.94	14.80	V
	7410	-58.19	-13	-45.19	-67.96	3.39	13.16	V
Middle	3735	-66.33	-13	-53.33	-78.59	2.64	14.90	H
	5610	-59.54	-13	-46.54	-71.40	2.94	14.80	H
	7485	-57.30	-13	-44.30	-67.07	3.39	13.16	H
	3735	-66.91	-13	-53.91	-79.17	2.64	14.90	V
	5610	-59.57	-13	-46.57	-71.43	2.94	14.80	V
	7485	-57.58	-13	-44.58	-67.35	3.39	13.16	V
Highest	3780	-66.11	-13	-53.11	-78.37	2.64	14.90	H
	5670	-59.57	-13	-46.57	-71.43	2.94	14.80	H
	7560	-57.34	-13	-44.34	-67.11	3.39	13.16	H
	3780	-66.08	-13	-53.08	-78.34	2.64	14.90	V
	5670	-59.71	-13	-46.71	-71.57	2.94	14.80	V
	7560	-57.71	-13	-44.71	-67.48	3.39	13.16	V

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

SA n5 / NR 20MHz / QPSK / ANT0								
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	1648	-64.08	-13	-51.08	-71.05	1.58	10.70	H
	2472	-62.58	-13	-49.58	-70.83	2.102	12.50	H
	3304	-68.03	-13	-55.03	-76.92	2.856	13.90	H
	1648	-65.22	-13	-52.22	-72.19	1.58	10.70	V
	2472	-67.55	-13	-54.55	-75.80	2.10	12.50	V
	3304	-68.26	-13	-55.26	-77.15	2.86	13.90	V
Middle	1656	-64.11	-13	-51.11	-71.08	1.58	10.70	H
	2480	-66.88	-13	-53.88	-75.13	2.102	12.50	H
	3312	-68.24	-13	-55.24	-77.13	2.856	13.90	H
	1656	-64.11	-13	-51.11	-71.08	1.58	10.70	V
	2480	-53.15	-13	-40.15	-61.40	2.10	12.50	V
	3312	-68.08	-13	-55.08	-76.97	2.86	13.90	V
Highest	1656	-65.38	-13	-52.38	-72.35	1.58	10.70	H
	2488	-67.70	-13	-54.70	-75.95	2.102	12.50	H
	3320	-68.00	-13	-55.00	-76.89	2.856	13.90	H
	1656	-63.79	-13	-50.79	-70.76	1.58	10.70	V
	2488	-67.70	-13	-54.70	-75.95	2.10	12.50	V
	3320	-68.05	-13	-55.05	-76.94	2.86	13.90	V

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



EN-DC_2A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT5(LTE) & ANT0(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	1648	-63.72	-13	-50.72	-70.69	1.58	10.70	H
	2472	-65.29	-13	-52.29	-73.54	2.10	12.50	H
	3304	-68.08	-13	-55.08	-76.97	2.86	13.90	H
	1648	-63.62	-13	-50.62	-70.59	1.58	10.70	V
	2472	-68.19	-13	-55.19	-76.44	2.10	12.50	V
	3304	-68.12	-13	-55.12	-77.01	2.86	13.90	V
Middle	1656	-63.93	-13	-50.93	-70.90	1.58	10.70	H
	2480	-68.32	-13	-55.32	-76.57	2.10	12.50	H
	3312	-68.15	-13	-55.15	-77.04	2.86	13.90	H
	1656	-62.99	-13	-49.99	-69.96	1.58	10.70	V
	2480	-67.86	-13	-54.86	-76.11	2.10	12.50	V
	3312	-68.19	-13	-55.19	-77.08	2.86	13.90	V
Highest	1656	-64.38	-13	-51.38	-71.35	1.58	10.70	H
	2488	-68.06	-13	-55.06	-76.31	2.10	12.50	H
	3320	-68.56	-13	-55.56	-77.45	2.86	13.90	H
	1656	-61.95	-13	-48.95	-68.92	1.58	10.70	V
	2488	-68.08	-13	-55.08	-76.33	2.10	12.50	V
	3320	-67.84	-13	-54.84	-76.73	2.86	13.90	V

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

SA n7 / NR 20MHz / QPSK / ANT6								
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	5008	-54.10	-25	-29.10	-64.31	3.03	13.24	H
	7528	-57.74	-25	-32.74	-67.19	3.56	13.01	H
	10006	-50.45	-25	-25.45	-59.97	3.92	13.44	H
	5008	-48.29	-25	-23.29	-58.50	3.03	13.24	V
	7528	-57.42	-25	-32.42	-66.87	3.56	13.01	V
	10006	-50.78	-25	-25.78	-60.30	3.92	13.44	V
Middle	5050	-47.21	-25	-22.21	-57.42	3.03	13.24	H
	7570	-50.47	-25	-25.47	-59.92	3.56	13.01	H
	10104	-48.83	-25	-23.83	-58.35	3.92	13.44	H
	5050	-47.13	-25	-22.13	-57.34	3.03	13.24	V
	7570	-54.69	-25	-29.69	-64.14	3.56	13.01	V
	10104	-50.67	-25	-25.67	-60.19	3.92	13.44	V
Highest	5106	-51.42	-25	-26.42	-61.63	3.03	13.24	H
	7654	-51.38	-25	-26.38	-60.83	3.56	13.01	H
	10202	-48.70	-25	-23.70	-58.22	3.92	13.44	H
	5106	-59.57	-25	-34.57	-69.78	3.03	13.24	V
	7654	-56.13	-25	-31.13	-65.58	3.56	13.01	V
	10202	-51.74	-25	-26.74	-61.26	3.92	13.44	V

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



SA n12 / NR 15MHz / QPSK / ANT0								
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	1400	-69.85	-13	-56.85	-76.82	1.58	10.70	H
	2096	-67.21	-13	-54.21	-75.46	2.102	12.50	H
	2800	-68.53	-13	-55.53	-77.42	2.856	13.90	H
	1400	-71.58	-13	-58.58	-78.55	1.58	10.70	V
	2096	-67.79	-13	-54.79	-76.04	2.10	12.50	V
	2800	-68.12	-13	-55.12	-77.01	2.86	13.90	V
Middle	1400	-68.80	-13	-55.80	-75.77	1.58	10.70	H
	2104	-67.76	-13	-54.76	-76.01	2.102	12.50	H
	2800	-68.90	-13	-55.90	-77.79	2.856	13.90	H
	1400	-71.28	-13	-58.28	-78.25	1.58	10.70	V
	2104	-65.13	-13	-52.13	-73.38	2.10	12.50	V
	2800	-68.44	-13	-55.44	-77.33	2.86	13.90	V
Highest	1400	-68.71	-13	-55.71	-75.68	1.58	10.70	H
	2104	-67.68	-13	-54.68	-75.93	2.102	12.50	H
	2808	-68.49	-13	-55.49	-77.38	2.856	13.90	H
	1400	-71.36	-13	-58.36	-78.33	1.58	10.70	V
	2104	-68.39	-13	-55.39	-76.64	2.10	12.50	V
	2808	-68.48	-13	-55.48	-77.37	2.86	13.90	V

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

SA n41 / NR 100MHz / QPSK / ANT6								
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	5008	-59.28	-25	-34.28	-69.49	3.03	13.24	H
	7500	-56.72	-25	-31.72	-66.17	3.56	13.01	H
	10006	-52.29	-25	-27.29	-61.81	3.92	13.44	H
	5008	-59.42	-25	-34.42	-69.63	3.03	13.24	V
	7500	-57.52	-25	-32.52	-66.97	3.56	13.01	V
	10004.4	-52.48	-25	-27.48	-62.00	3.92	13.44	V
Middle	5092	-55.17	-25	-30.17	-65.38	3.03	13.24	H
	7640	-55.68	-25	-30.68	-65.13	3.56	13.01	H
	10188	-51.85	-25	-26.85	-61.37	3.92	13.44	H
	5092	-56.70	-25	-31.70	-66.91	3.03	13.24	V
	7640	-54.68	-25	-29.68	-64.13	3.56	13.01	V
	10188	-51.74	-25	-26.74	-61.26	3.92	13.44	V
Highest	5190	-59.44	-25	-34.44	-69.65	3.03	13.24	H
	7780	-51.55	-25	-26.55	-61.00	3.56	13.01	H
	10384	-51.19	-25	-26.19	-60.71	3.92	13.44	H
	5190	-59.78	-25	-34.78	-69.99	3.03	13.24	V
	7780	-51.33	-25	-26.33	-60.78	3.56	13.01	V
	10384	-51.71	-25	-26.71	-61.23	3.92	13.44	V

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



EN-DC 2A_n41A / LTE 20MHz + NR 100MHz / QPSK / ANT0(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	4994	-57.63	-25	-32.63	-67.84	3.03	13.24	H
	7500	-57.47	-25	-32.47	-66.92	3.56	13.01	H
	10006	-53.04	-25	-28.04	-62.56	3.92	13.44	H
	4994	-56.00	-25	-31.00	-66.21	3.03	13.24	V
	7500	-57.26	-25	-32.26	-66.71	3.56	13.01	V
	10006	-52.94	-25	-27.94	-62.46	3.92	13.44	V
Middle	5092	-54.71	-25	-29.71	-64.92	3.03	13.24	H
	7640	-56.33	-25	-31.33	-65.78	3.56	13.01	H
	10188	-51.86	-25	-26.86	-61.38	3.92	13.44	H
	5092	-55.22	-25	-30.22	-65.43	3.03	13.24	V
	7640	-53.90	-25	-28.90	-63.35	3.56	13.01	V
	10188	-51.83	-25	-26.83	-61.35	3.92	13.44	V
Highest	5176	-55.17	-25	-30.17	-65.38	3.03	13.24	H
	7780	-50.77	-25	-25.77	-60.22	3.56	13.01	H
	10384	-51.44	-25	-26.44	-60.96	3.92	13.44	H
	5176	-56.14	-25	-31.14	-66.35	3.03	13.24	V
	7780	-50.57	-25	-25.57	-60.02	3.56	13.01	V
	10384	-51.19	-25	-26.19	-60.71	3.92	13.44	V

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

n41 UL MIMO / NR 100MHz+100MHz / QPSK / ANT5+6								
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	5008	-59.59	-25	-34.59	-69.80	3.03	13.24	H
	7500	-57.47	-25	-32.47	-66.92	3.56	13.01	H
	10006	-52.04	-25	-27.04	-61.56	3.92	13.44	H
	5008	-59.31	-25	-34.31	-69.52	3.03	13.24	V
	7500	-57.26	-25	-32.26	-66.71	3.56	13.01	V
	10006	-52.94	-25	-27.94	-62.46	3.92	13.44	V
Middle	5092	-58.17	-25	-33.17	-68.38	3.03	13.24	H
	7640	-55.68	-25	-30.68	-65.13	3.56	13.01	H
	10188	-51.85	-25	-26.85	-61.37	3.92	13.44	H
	5092	-58.70	-25	-33.70	-68.91	3.03	13.24	V
	7640	-54.68	-25	-29.68	-64.13	3.56	13.01	V
	10188	-51.74	-25	-26.74	-61.26	3.92	13.44	V
Highest	5190	-59.52	-25	-34.52	-69.73	3.03	13.24	H
	7780	-54.77	-25	-29.77	-64.22	3.56	13.01	H
	10384	-50.44	-25	-25.44	-59.96	3.92	13.44	H
	5190	-59.84	-25	-34.84	-70.05	3.03	13.24	V
	7780	-55.57	-25	-30.57	-65.02	3.56	13.01	V
	10384	-51.19	-25	-26.19	-60.71	3.92	13.44	V

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



SA n66 / NR 20MHz / QPSK / ANT0								
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	-67.35	-13	-54.35	-78.09	2.604	13.34	H
	5130	-59.69	-13	-46.69	-70.20	3.011	13.52	H
	6840	-58.39	-13	-45.39	-68.59	3.271	13.47	H
	3420	-67.36	-13	-54.36	-78.10	2.604	13.34	V
	5130	-60.02	-13	-47.02	-70.53	3.011	13.52	V
	6840	-58.11	-13	-45.11	-68.31	3.271	13.47	V
Middle	3465	-66.85	-13	-53.85	-77.59	2.604	13.34	H
	5205	-59.90	-13	-46.90	-70.41	3.011	13.52	H
	6945	-57.10	-13	-44.10	-67.30	3.271	13.47	H
	3465	-66.61	-13	-53.61	-77.35	2.604	13.34	V
	5205	-60.10	-13	-47.10	-70.61	3.011	13.52	V
	6945	-57.91	-13	-44.91	-68.11	3.271	13.47	V
Highest	3525	-67.07	-13	-54.07	-77.81	2.604	13.34	H
	5280	-59.52	-13	-46.52	-70.03	3.011	13.52	H
	7050	-56.75	-13	-43.75	-66.95	3.271	13.47	H
	3525	-65.46	-13	-52.46	-76.20	2.604	13.34	V
	5280	-59.73	-13	-46.73	-70.24	3.011	13.52	V
	7050	-57.34	-13	-44.34	-67.54	3.271	13.47	V

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

EN-DC_13A_n66A / LTE 10MHz + NR 20MHz / QPSK / ANT0(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	3420	-62.56	-13	-49.56	-73.30	2.604	13.34	H
	5130	-54.45	-13	-41.45	-64.96	3.011	13.52	H
	6840	-57.77	-13	-44.77	-67.97	3.271	13.47	H
	3420	-61.86	-13	-48.86	-72.60	2.604	13.34	V
	5130	-53.71	-13	-40.71	-64.22	3.011	13.52	V
	6840	-58.08	-13	-45.08	-68.28	3.271	13.47	V
Middle	3465	-61.33	-13	-48.33	-72.07	2.604	13.34	H
	5205	-54.76	-13	-41.76	-65.27	3.011	13.52	H
	6945	-57.52	-13	-44.52	-67.72	3.271	13.47	H
	3465	-60.12	-13	-47.12	-70.86	2.604	13.34	V
	5205	-49.53	-13	-36.53	-60.04	3.011	13.52	V
	6945	-57.63	-13	-44.63	-67.83	3.271	13.47	V
Highest	3525	-62.11	-13	-49.11	-72.85	2.604	13.34	H
	5280	-59.06	-13	-46.06	-69.57	3.011	13.52	H
	7050	-57.21	-13	-44.21	-67.41	3.271	13.47	H
	3522.18	-62.73	-13	-49.73	-73.47	2.604	13.34	V
	5280	-55.85	-13	-42.85	-66.36	3.011	13.52	V
	7050	-57.33	-13	-44.33	-67.53	3.271	13.47	V

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