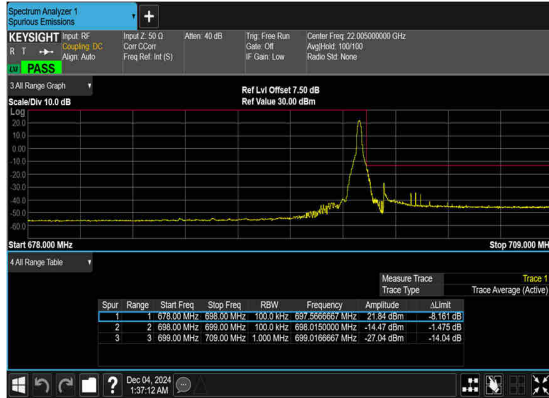




N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

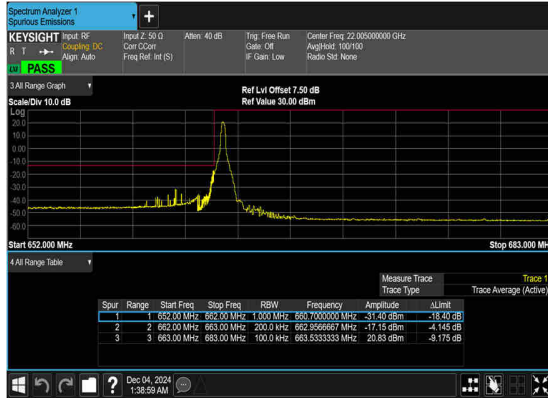


N71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

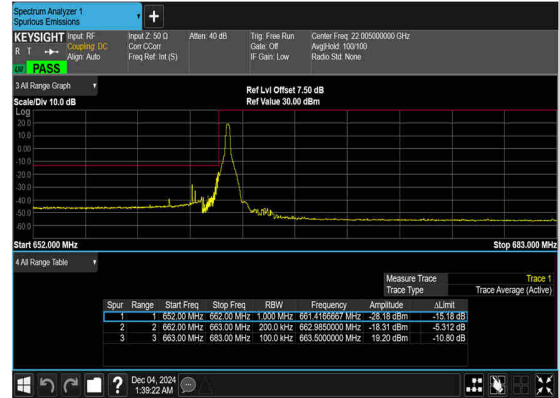




N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



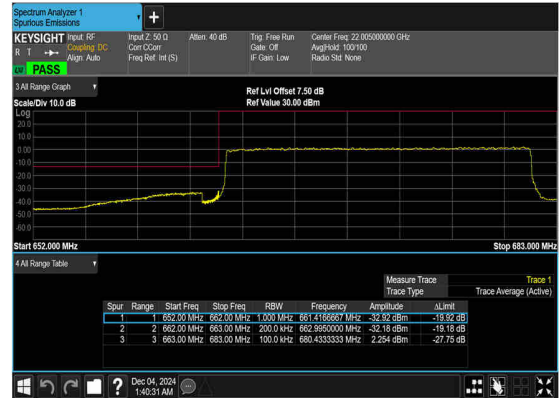
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

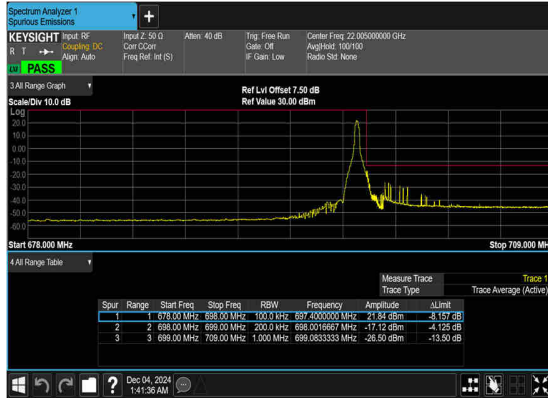


N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





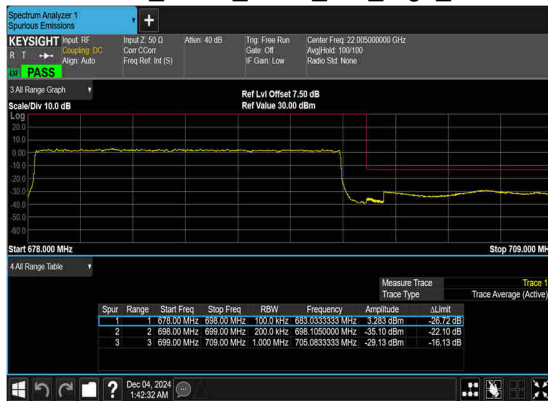
N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



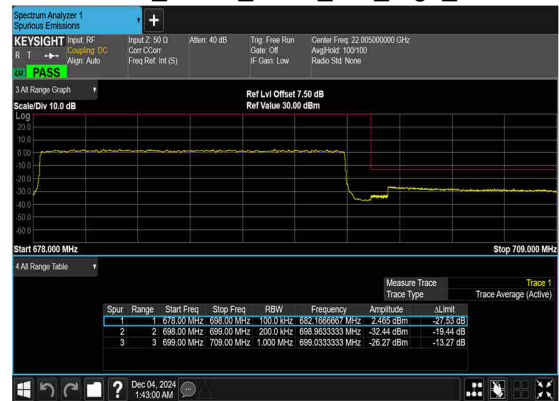
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake	Temperature :	23~25°C
		Relative Humidity :	51~53%

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

5G NR n7 SA / NR 20MHz / QPSK(ANT1)								
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	-59.64	-25	-34.64	-69.85	3.03	13.24	H
	7500	-52.94	-25	-27.94	-62.39	3.56	13.01	H
	10006	-60.22	-25	-35.22	-69.74	3.92	13.44	H
	5008	-56.83	-25	-31.83	-67.04	3.03	13.24	V
	7500	-54.63	-25	-29.63	-64.08	3.56	13.01	V
	10006	-60.75	-25	-35.75	-70.27	3.92	13.44	V
Middle	5022	-60.85	-25	-35.85	-71.06	3.03	13.24	H
	7584	-48.59	-25	-23.59	-58.04	3.56	13.01	H
	10104	-60.20	-25	-35.20	-69.72	3.92	13.44	H
	5022	-60.80	-25	-35.80	-71.01	3.03	13.24	V
	7584	-55.07	-25	-30.07	-64.52	3.56	13.01	V
	10104	-60.47	-25	-35.47	-69.99	3.92	13.44	V
Highest	5106	-61.32	-25	-36.32	-71.53	3.03	13.24	H
	7654	-53.07	-25	-28.07	-62.52	3.56	13.01	H
	10202	-59.56	-25	-34.56	-69.08	3.92	13.44	H
	5106	-60.16	-25	-35.16	-70.37	3.03	13.24	V
	7654	-54.96	-25	-29.96	-64.41	3.56	13.01	V
	10202	-59.80	-25	-34.80	-69.32	3.92	13.44	V

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



5G NR n12 SA / NR 15MHz / QPSK(ANT1)								
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	1400	-66.61	-13	-53.61	-73.58	1.58	10.70	H
	2096	-61.23	-13	-48.23	-69.48	2.102	12.50	H
	2800	-59.31	-13	-46.31	-68.20	2.856	13.90	H
	3496	-56.26	-13	-43.26	-64.02	3.093	13.00	H
	1400	-66.97	-13	-53.97	-73.94	1.58	10.70	V
	2096	-60.53	-13	-47.53	-68.78	2.10	12.50	V
	2800	-58.52	-13	-45.52	-67.41	2.86	13.90	V
	3496	-58.75	-13	-45.75	-66.51	3.09	13.00	V
Middle	1400	-67.23	-13	-54.23	-74.20	1.58	10.70	H
	2104	-60.93	-13	-47.93	-69.18	2.102	12.50	H
	2800	-58.76	-13	-45.76	-67.65	2.856	13.90	H
	1400	-66.10	-13	-53.10	-73.07	1.58	10.70	V
	2104	-61.10	-13	-48.10	-69.35	2.10	12.50	V
	2800	-58.84	-13	-45.84	-67.73	2.86	13.90	V
Highest	1400	-67.60	-13	-54.60	-74.57	1.58	10.70	H
	2104	-61.52	-13	-48.52	-69.77	2.102	12.50	H
	2808	-58.90	-13	-45.90	-67.79	2.856	13.90	H
	1400	-67.16	-13	-54.16	-74.13	1.58	10.70	V
	2104	-61.25	-13	-48.25	-69.50	2.10	12.50	V
	2808	-58.75	-13	-45.75	-67.64	2.86	13.90	V

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



5G NR n13 SA / NR 10MHz / QPSK(ANT1)								
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)
Middle	1552	-65.93	-13	-52.93	-68.56	1.09	5.87	H
	2328	-61.85	-13	-48.85	-64.25	1.37	5.92	H
	3112	-59.16	-13	-46.16	-63.05	1.64	7.68	H
	1552	-65.51	-13	-52.51	-68.14	1.09	5.87	V
	2328	-60.12	-13	-47.12	-62.52	1.37	5.92	V
	3112	-59.85	-13	-46.85	-63.74	1.64	7.68	V

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

5G NR n13 SA / NR 5MHz / QPSK(ANT1)								
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	1552	-67.74	-13	-54.74	-70.37	1.09	5.87	H
	2328	-63.70	-13	-50.70	-66.10	1.37	5.92	H
	3112	-62.11	-13	-49.11	-66.00	1.64	7.68	H
	1552	-66.85	-13	-53.85	-69.48	1.09	5.87	V
	2328	-62.29	-13	-49.29	-64.69	1.37	5.92	V
	3112	-61.92	-13	-48.92	-65.81	1.64	7.68	V
Middle	1560	-67.21	-42.15	-25.06	-69.84	1.09	5.87	H
	2336	-63.63	-13	-50.63	-66.03	1.37	5.92	H
	3120	-62.47	-13	-49.47	-66.36	1.64	7.68	H
	1560	-67.83	-42.15	-25.68	-70.46	1.09	5.87	V
	2336	-62.40	-13	-49.40	-64.80	1.37	5.92	V
	3120	-62.53	-13	-49.53	-66.42	1.64	7.68	V
Highest	1568	-65.68	-42.15	-23.53	-68.31	1.09	5.87	H
	2344	-62.03	-13	-49.03	-64.43	1.37	5.92	H
	3128	-62.43	-13	-49.43	-66.32	1.64	7.68	H
	1568	-65.93	-42.15	-23.78	-68.56	1.09	5.87	V
	2344	-62.08	-13	-49.08	-64.48	1.37	5.92	V
	3128	-61.67	-13	-48.67	-65.56	1.64	7.68	V

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

5G NR n41 SA / NR 100MHz / QPSK(ANT1)								
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	-61.29	-25	-36.29	-71.50	3.03	13.24	H
	7500	-60.20	-25	-35.20	-69.65	3.56	13.01	H
	10006	-60.45	-25	-35.45	-69.97	3.92	13.44	H
	5008	-61.33	-25	-36.33	-71.54	3.03	13.24	V
	7500	-60.35	-25	-35.35	-69.80	3.56	13.01	V
	10006	-60.86	-25	-35.86	-70.38	3.92	13.44	V
Middle	5092	-61.31	-25	-36.31	-71.52	3.03	13.24	H
	7640	-53.35	-25	-28.35	-62.80	3.56	13.01	H
	10188	-59.83	-25	-34.83	-69.35	3.92	13.44	H
	5092	-60.85	-25	-35.85	-71.06	3.03	13.24	V
	7640	-53.24	-25	-28.24	-62.69	3.56	13.01	V
	10188	-59.62	-25	-34.62	-69.14	3.92	13.44	V
Highest	5190	-61.85	-25	-36.85	-72.06	3.03	13.24	H
	7780	-46.10	-25	-21.10	-55.55	3.56	13.01	H
	10384	-59.50	-25	-34.50	-69.02	3.92	13.44	H
	5190	-62.08	-25	-37.08	-72.29	3.03	13.24	V
	7780	-48.93	-25	-23.93	-58.38	3.56	13.01	V
	10384	-59.47	-25	-34.47	-68.99	3.92	13.44	V

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

EN_DC_26A_n41A / LTE 10MHz + NR 100MHz / QPSK(ANT1+2)								
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	-62.33	-25	-37.33	-72.54	3.03	13.24	H
	7500	-59.18	-25	-34.18	-68.63	3.56	13.01	H
	10006	-60.02	-25	-35.02	-69.54	3.92	13.44	H
	5008	-62.46	-25	-37.46	-72.67	3.03	13.24	V
	7500	-57.59	-25	-32.59	-67.04	3.56	13.01	V
	10006	-60.35	-25	-35.35	-69.87	3.92	13.44	V
Middle	5092	-62.08	-25	-37.08	-72.29	3.03	13.24	H
	7626	-58.76	-25	-33.76	-68.21	3.56	13.01	H
	10188	-59.71	-25	-34.71	-69.23	3.92	13.44	H
	5092	-62.98	-25	-37.98	-73.19	3.03	13.24	V
	7626	-57.13	-25	-32.13	-66.58	3.56	13.01	V
	10188	-59.87	-25	-34.87	-69.39	3.92	13.44	V
Highest	5190	-63.24	-25	-38.24	-73.45	3.03	13.24	H
	7780	-59.00	-25	-34.00	-68.45	3.56	13.01	H
	10384	-59.42	-25	-34.42	-68.94	3.92	13.44	H
	5190	-63.24	-25	-38.24	-73.45	3.03	13.24	V
	7780	-56.89	-25	-31.89	-66.34	3.56	13.01	V
	10384	-59.91	-25	-34.91	-69.43	3.92	13.44	V

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



5G NR n71 SA / NR 20MHz / QPSK(ANT1)								
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	1328	-67.63	-13	-54.63	-69.38	1.02	4.92	H
	1992	-62.34	-13	-49.34	-64.31	1.27	5.39	H
	2656	-60.59	-13	-47.59	-63.52	1.49	6.57	H
	1328	-66.95	-13	-53.95	-68.70	1.02	4.92	V
	1992	-61.32	-13	-48.32	-63.29	1.27	5.39	V
	2656	-60.08	-13	-47.08	-63.01	1.49	6.57	V
Middle	1344	-67.68	-13	-54.68	-69.43	1.02	4.92	H
	2016	-62.92	-13	-49.92	-64.89	1.27	5.39	H
	2688	-60.29	-13	-47.29	-63.22	1.49	6.57	H
	1344	-67.09	-13	-54.09	-68.84	1.02	4.92	V
	2016	-62.17	-13	-49.17	-64.14	1.27	5.39	V
	2688	-59.55	-13	-46.55	-62.48	1.49	6.57	V
Highest	1360	-67.99	-13	-54.99	-69.74	1.02	4.92	H
	2040	-62.20	-13	-49.20	-64.17	1.27	5.39	H
	2712	-59.80	-13	-46.80	-62.73	1.49	6.57	H
	1360	-67.14	-13	-54.14	-68.89	1.02	4.92	V
	2040	-61.40	-13	-48.40	-63.37	1.27	5.39	V
	2712	-59.80	-13	-46.80	-62.73	1.49	6.57	V

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