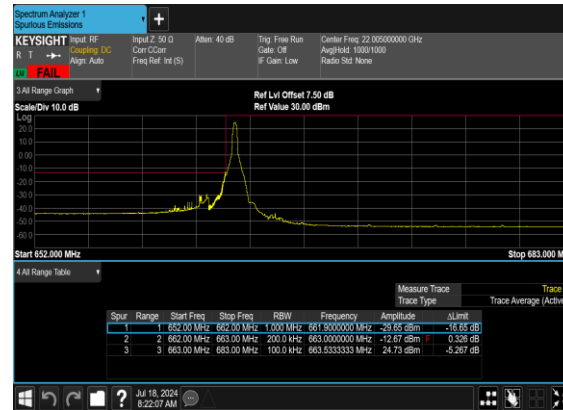




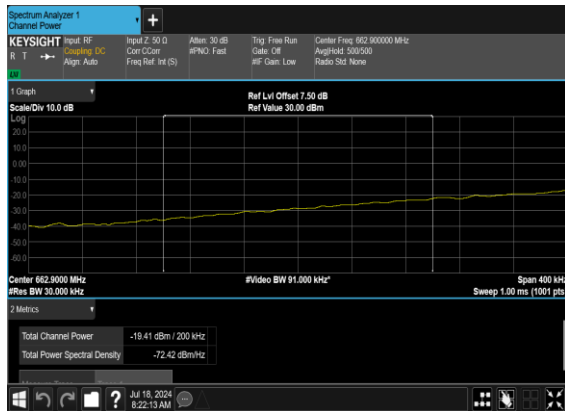
B2_N71(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



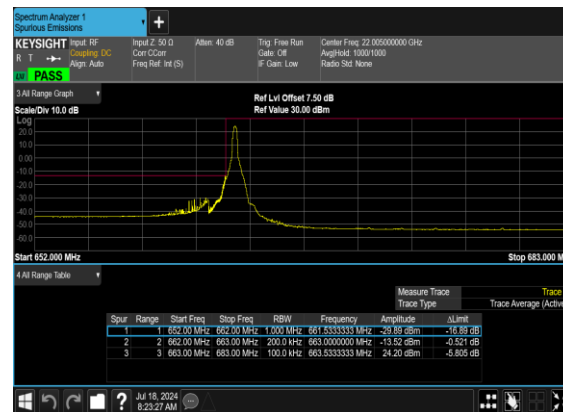
B2_N71(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_C H



B2_N71(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_P ASS

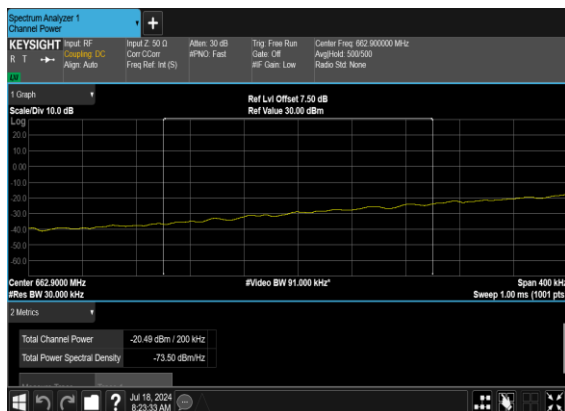


B2_N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_C H

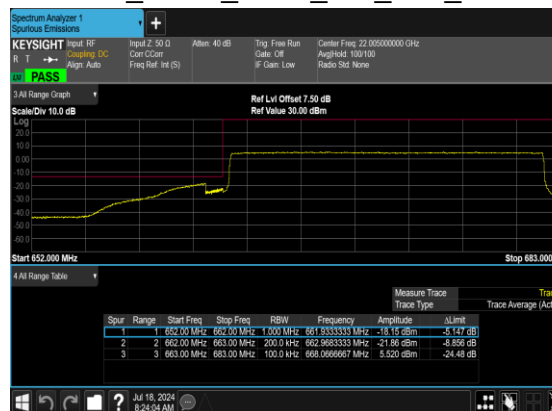




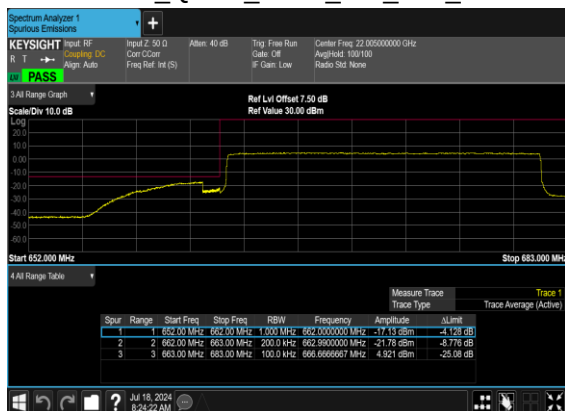
B2_N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_P
ASS



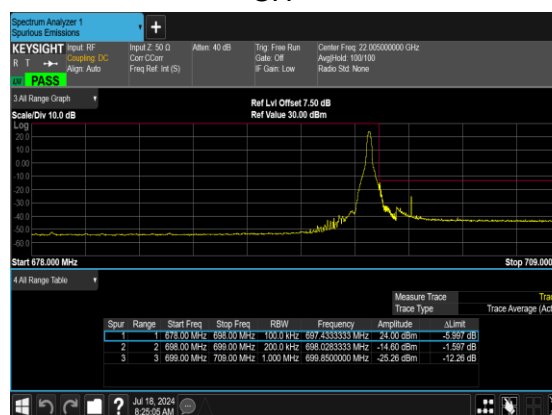
B2_N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

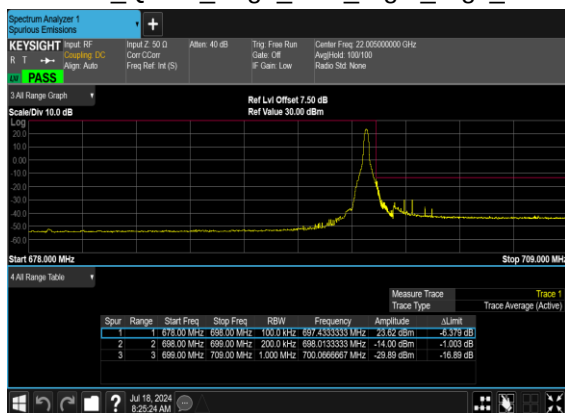
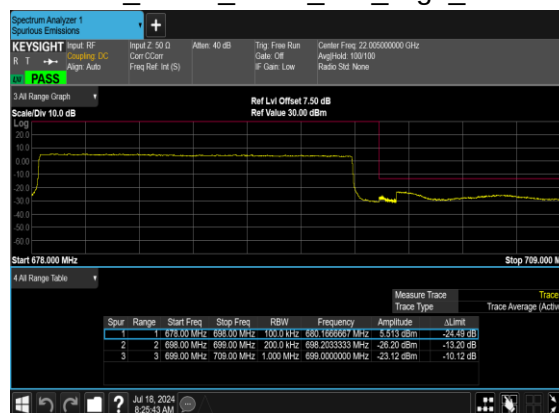
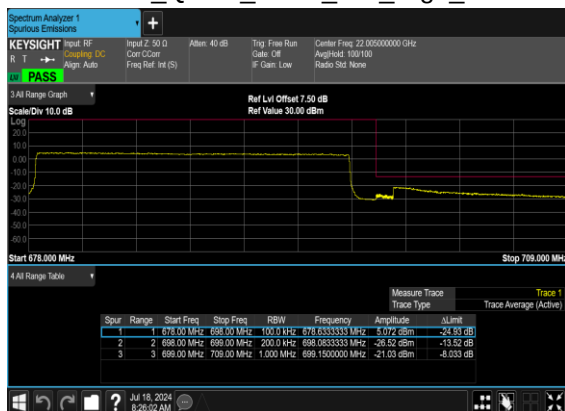


B2_N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B2_N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_
CH



B2_N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHB2_N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHB2_N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	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.

N7 SA / NR 40MHz / QPSK(ANT2)									
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	5000.00	-58.02	-25	-33.02	-81.67	-63.58	7.12	12.68	H
	7500.00	-53.41	-25	-28.41	-80.41	-56.74	8.26	11.59	H
	10000.00	-52.80	-25	-27.80	-83.59	-54.33	10.45	11.98	H
	5000.00	-56.17	-25	-31.17	-81.5	-61.73	7.12	12.68	V
	7500.00	-54.90	-25	-29.90	-81.89	-58.23	8.26	11.59	V
	10000.00	-50.08	-25	-25.08	-81.45	-51.61	10.45	11.98	V
Middle	5033.00	-57.66	-25	-32.66	-81.52	-63.22	7.14	12.70	H
	7549.50	-55.08	-25	-30.08	-81.90	-58.38	8.30	11.60	H
	10066.00	-52.76	-25	-27.76	-83.64	-54.28	10.48	12.00	H
	5033.00	-56.39	-25	-31.39	-81.7	-61.95	7.14	12.70	V
	7549.50	-54.76	-25	-29.76	-81.57	-58.06	8.30	11.60	V
	10066.00	-50.84	-25	-25.84	-82.53	-52.36	10.48	12.00	V
Highest	5060.00	-57.37	-25	-32.37	-81.44	-62.93	7.16	12.72	H
	7590.00	-55.30	-25	-30.30	-81.94	-58.60	8.33	11.63	H
	10120.00	-51.01	-25	-26.01	-81.95	-52.61	10.50	12.10	H
	5060.00	-56.34	-25	-31.34	-81.62	-61.90	7.16	12.72	V
	7590.00	-55.14	-25	-30.14	-81.78	-58.44	8.33	11.63	V
	10120.00	-47.33	-25	-22.33	-79.25	-48.93	10.50	12.10	V

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



EN-DC_66A_n7A / LTE 10MHz + NR 40MHz / QPSK (ANT4+2)									
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	5000.00	-57.81	-25	-32.81	-81.46	-63.37	7.12	12.68	H
	7500.00	-55.08	-25	-30.08	-82.08	-58.41	8.26	11.59	H
	10000.00	-53.32	-25	-28.32	-84.11	-54.85	10.45	11.98	H
	5000.00	-56.73	-25	-31.73	-82.06	-62.29	7.12	12.68	V
	7500.00	-54.74	-25	-29.74	-81.73	-58.07	8.26	11.59	V
	10000.00	-51.46	-25	-26.46	-82.83	-52.99	10.45	11.98	V
LTE Band66 Lowest	3481	-56.97	-13	-43.97	-79.01	-63.82	5.65	12.50	H
	5221.5	-57.18	-13	-44.18	-82.06	-62.85	7.13	12.80	H
	6962	-55.39	-13	-42.39	-81.77	-58.79	8.40	11.80	H
	3481	-53.95	-13	-40.95	-76.66	-60.80	5.65	12.50	V
	5221.5	-57.15	-13	-44.15	-82.2	-62.82	7.13	12.80	V
	6962	-54.99	-13	-41.99	-81.92	-58.39	8.40	11.80	V
NR n7 Middle	5033.00	-57.59	-25	-32.59	-81.45	-63.15	7.14	12.70	H
	7549.50	-55.30	-25	-30.30	-82.12	-58.60	8.30	11.60	H
	10066.00	-52.47	-25	-27.47	-83.35	-53.99	10.48	12.00	H
	5033.00	-56.60	-25	-31.60	-81.91	-62.16	7.14	12.70	V
	7549.50	-55.19	-25	-30.19	-82	-58.49	8.30	11.60	V
	10066.00	-51.20	-25	-26.20	-82.89	-52.72	10.48	12.00	V
LTE Band66 Middle	3481	-56.49	-13	-43.49	-78.53	-63.34	5.65	12.50	H
	5221.5	-57.30	-13	-44.30	-82.18	-62.97	7.13	12.80	H
	6962	-55.61	-13	-42.61	-81.99	-59.01	8.40	11.80	H
	3481	-56.09	-13	-43.09	-78.8	-62.94	5.65	12.50	V
	5221.5	-57.36	-13	-44.36	-82.41	-63.03	7.13	12.80	V
	6962	-55.01	-13	-42.01	-81.94	-58.41	8.40	11.80	V
NR n7 Highest	5060.00	-57.22	-25	-32.22	-81.29	-62.78	7.14	12.70	H
	7590.00	-55.51	-25	-30.51	-82.15	-58.81	8.30	11.60	H
	10120.00	-52.08	-25	-27.08	-83.02	-53.60	10.48	12.00	H
	5060.00	-56.25	-25	-31.25	-81.53	-61.81	7.14	12.70	V
	7590.00	-54.95	-25	-29.95	-81.59	-58.25	8.30	11.60	V
	10120.00	-47.28	-25	-22.28	-79.2	-48.80	10.48	12.00	V
LTE Band66 Highest	3481	-55.16	-13	-42.16	-77.20	-62.01	5.65	12.50	H
	5221.5	-57.46	-13	-44.46	-82.34	-63.13	7.13	12.80	H
	6962	-55.94	-13	-42.94	-82.32	-59.34	8.40	11.80	H
	3481	-53.69	-13	-40.69	-76.4	-60.54	5.65	12.50	V
	5221.5	-57.44	-13	-44.44	-82.49	-63.11	7.13	12.80	V
	6962	-55.00	-13	-42.00	-81.93	-58.40	8.40	11.80	V

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



N41 SA / NR 100MHz / QPSK(ANT2)									
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	-58.32	-25	-33.32	-81.97	-63.88	7.12	12.68	H
	7492.20	-54.63	-25	-29.63	-81.63	-57.96	8.26	11.59	H
	9989.60	-53.00	-25	-28.00	-83.79	-54.53	10.45	11.98	H
	4994.80	-56.60	-25	-31.60	-81.93	-62.16	7.12	12.68	V
	7492.20	-54.90	-25	-29.90	-81.89	-58.23	8.26	11.59	V
	9989.60	-52.12	-25	-27.12	-83.49	-53.65	10.45	11.98	V
Middle	5089.00	-57.27	-25	-32.27	-81.55	-62.83	7.14	12.70	H
	7633.50	-55.32	-25	-30.32	-81.86	-58.62	8.30	11.60	H
	10178.00	-52.35	-25	-27.35	-83.37	-53.87	10.48	12.00	H
	5089.00	-55.97	-25	-30.97	-81.23	-61.53	7.14	12.70	V
	7633.50	-54.30	-25	-29.30	-81.52	-57.60	8.30	11.60	V
	10178.00	-50.82	-25	-25.82	-83.06	-52.34	10.48	12.00	V
Highest	5182.80	-56.93	-25	-31.93	-81.69	-62.49	7.16	12.72	H
	7774.20	-55.34	-25	-30.34	-81.53	-58.64	8.33	11.63	H
	10365.60	-52.01	-25	-27.01	-83.25	-53.61	10.50	12.10	H
	5182.80	-56.56	-25	-31.56	-81.71	-62.12	7.16	12.72	V
	7774.20	-50.83	-25	-25.83	-80.45	-54.13	8.33	11.63	V
	10365.60	-49.83	-25	-24.83	-82.93	-51.43	10.50	12.10	V

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



EN-DC_66A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT1+2)									
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	-58.13	-25	-33.13	-81.78	-63.69	7.12	12.68	H
	7492.20	-54.92	-25	-29.92	-81.92	-58.25	8.26	11.59	H
	9989.60	-53.01	-25	-28.01	-83.80	-54.54	10.45	11.98	H
	4994.80	-56.57	-25	-31.57	-81.9	-62.13	7.12	12.68	V
	7492.20	-55.04	-25	-30.04	-82.03	-58.37	8.26	11.59	V
	9989.60	-52.79	-25	-27.79	-84.16	-54.32	10.45	11.98	V
LTE Band66 Lowest	3481	-57.33	-13	-44.33	-79.37	-64.18	5.65	12.50	H
	5221.5	-57.40	-13	-44.40	-82.28	-63.07	7.13	12.80	H
	6962	-55.67	-13	-42.67	-82.05	-59.07	8.40	11.80	H
	3481	-56.37	-13	-43.37	-79.08	-63.22	5.65	12.50	V
	5221.5	-56.74	-13	-43.74	-81.79	-62.41	7.13	12.80	V
	6962	-54.95	-13	-41.95	-81.88	-58.35	8.40	11.80	V
NR n41 Middle	5089.00	-57.18	-25	-32.18	-81.46	-62.74	7.14	12.70	H
	7633.50	-55.33	-25	-30.33	-81.87	-58.63	8.30	11.60	H
	10178.00	-52.13	-25	-27.13	-83.15	-53.65	10.48	12.00	H
	5089.00	-56.44	-25	-31.44	-81.7	-62.00	7.14	12.70	V
	7633.50	-54.66	-25	-29.66	-81.88	-57.96	8.30	11.60	V
	10178.00	-51.18	-25	-26.18	-83.42	-52.70	10.48	12.00	V
LTE Band66 Middle	3481	-57.49	-13	-44.49	-79.53	-64.34	5.65	12.50	H
	5221.5	-57.23	-13	-44.23	-82.11	-62.90	7.13	12.80	H
	6962	-55.38	-13	-42.38	-81.76	-58.78	8.40	11.80	H
	3481	-56.44	-13	-43.44	-79.15	-63.29	5.65	12.50	V
	5221.5	-57.35	-13	-44.35	-82.4	-63.02	7.13	12.80	V
	6962	-55.07	-13	-42.07	-82	-58.47	8.40	11.80	V
NR n41 Highest	5182.80	-57.12	-25	-32.12	-81.88	-62.68	7.16	12.72	H
	7774.20	-55.63	-25	-30.63	-81.82	-58.93	8.33	11.63	H
	10365.60	-52.27	-25	-27.27	-83.51	-53.87	10.50	12.10	H
	5182.80	-56.78	-25	-31.78	-81.93	-62.34	7.16	12.72	V
	7774.20	-51.89	-25	-26.89	-81.51	-55.19	8.33	11.63	V
	10365.60	-49.31	-25	-24.31	-82.41	-50.91	10.50	12.10	V
LTE Band66 Highest	3481	-57.69	-13	-44.69	-79.73	-64.54	5.65	12.50	H
	5221.5	-57.10	-13	-44.10	-81.98	-62.77	7.13	12.80	H
	6962	-55.59	-13	-42.59	-81.97	-58.99	8.40	11.80	H
	3481	-56.50	-13	-43.50	-79.21	-63.35	5.65	12.50	V
	5221.5	-57.22	-13	-44.22	-81.93	-62.89	7.13	12.80	V
	6962	-55.26	-13	-42.26	-82.27	-58.66	8.40	11.80	V

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



N71 SA / NR 35MHz / QPSK(ANT1)									
Channel	Frequency (MHz)	ERP (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	1327	-50.26	-13	-37.26	-61.28	-53.49	3.98	9.36	H
	1990.5	-49.63	-13	-36.63	-67.01	-53.18	4.85	10.55	H
	2654	-59.90	-13	-46.90	-79.60	-64.83	5.50	12.58	H
	1327	-50.99	-13	-37.99	-62.94	-54.22	3.98	9.36	V
	1990.5	-51.68	-13	-38.68	-69.01	-55.23	4.85	10.55	V
	2654	-59.21	-13	-46.21	-79.29	-64.14	5.50	12.58	V
Middle	1342	-47.60	-13	-34.60	-58.61	-50.85	4.00	9.40	H
	2013	-47.82	-13	-34.82	-65.53	-51.39	4.88	10.60	H
	2684	-59.29	-13	-46.29	-78.92	-64.22	5.52	12.60	H
	1342	-49.00	-13	-36.00	-60.96	-52.25	4.00	9.40	V
	2013	-51.75	-13	-38.75	-69.35	-55.32	4.88	10.60	V
	2684	-58.26	-13	-45.26	-78.35	-63.19	5.52	12.60	V
Highest	1357	-48.45	-13	-35.45	-59.55	-51.62	4.10	9.42	H
	2035.5	-48.89	-13	-35.89	-66.69	-52.47	4.90	10.63	H
	2714	-59.49	-13	-46.49	-79.05	-64.41	5.55	12.62	H
	1357	-52.67	-13	-39.67	-64.75	-55.84	4.10	9.42	V
	2035.5	-51.13	-13	-38.13	-68.80	-54.71	4.90	10.63	V
	2714	-58.83	-13	-45.83	-78.94	-63.75	5.55	12.62	V

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



EN-DC_66A_n71A / LTE 10MHz + NR 100MHz / QPSK (ANT4+1)									
Channel	Frequency (MHz)	ERP/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 n71 Lowest	1327	-63.94	-13	-50.94	-74.96	-67.17	3.98	9.36	H
	1990.5	-59.29	-13	-46.29	-76.67	-62.84	4.85	10.55	H
	2654	-58.29	-13	-45.29	-77.99	-63.22	5.50	12.58	H
	1327	-62.46	-13	-49.46	-74.41	-65.69	3.98	9.36	V
	1990.5	-59.35	-13	-46.35	-76.68	-62.90	4.85	10.55	V
	2654	-57.88	-13	-44.88	-77.96	-62.81	5.50	12.58	V
LTE Band66 Lowest	3481	-57.00	-13	-44.00	-79.04	-63.85	5.65	12.50	H
	5221.5	-57.02	-13	-44.02	-81.90	-62.69	7.13	12.80	H
	6962	-55.67	-13	-42.67	-82.05	-59.07	8.40	11.80	H
	3481	-56.62	-13	-43.62	-79.33	-63.47	5.65	12.50	V
	5221.5	-56.76	-13	-43.76	-81.81	-62.43	7.13	12.80	V
	6962	-54.63	-13	-41.63	-81.56	-58.03	8.40	11.80	V
NR n71 Middle	1342	-63.63	-13	-50.63	-74.64	-66.88	4.00	9.40	H
	2013	-59.49	-13	-46.49	-77.20	-63.06	4.88	10.60	H
	2684	-57.84	-13	-44.84	-77.47	-62.77	5.52	12.60	H
	1342	-60.70	-13	-47.70	-72.66	-63.95	4.00	9.40	V
	2013	-58.80	-13	-45.80	-76.40	-62.37	4.88	10.60	V
	2684	-56.71	-13	-43.71	-76.80	-61.64	5.52	12.60	V
LTE Band66 Middle	3481	-56.95	-13	-43.95	-78.99	-63.80	5.65	12.50	H
	5221.5	-56.66	-13	-43.66	-81.54	-62.33	7.13	12.80	H
	6962	-55.47	-13	-42.47	-81.85	-58.87	8.40	11.80	H
	3481	-55.86	-13	-42.86	-78.57	-62.71	5.65	12.50	V
	5221.5	-56.72	-13	-43.72	-81.77	-62.39	7.13	12.80	V
	6962	-54.88	-13	-41.88	-81.81	-58.28	8.40	11.80	V
NR n71 Highest	1357	-63.99	-13	-50.99	-75.09	-67.16	4.10	9.42	H
	2035.5	-59.19	-13	-46.19	-76.99	-62.77	4.90	10.63	H
	2714	-58.01	-13	-45.01	-77.57	-62.93	5.55	12.62	H
	1357	-62.88	-13	-49.88	-74.96	-66.05	4.10	9.42	V
	2035.5	-59.49	-13	-46.49	-77.16	-63.07	4.90	10.63	V
	2714	-57.33	-13	-44.33	-77.44	-62.25	5.55	12.62	V
LTE Band66 Highest	3481	-56.31	-13	-43.31	-78.35	-63.16	5.65	12.50	H
	5221.5	-56.98	-13	-43.98	-81.86	-62.65	7.13	12.80	H
	6962	-55.67	-13	-42.67	-82.05	-59.07	8.40	11.80	H
	3481	-55.12	-13	-42.12	-77.83	-61.97	5.65	12.50	V
	5221.5	-56.81	-13	-43.81	-81.86	-62.48	7.13	12.80	V
	6962	-54.85	-13	-41.85	-81.78	-58.25	8.40	11.80	V

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