



N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH





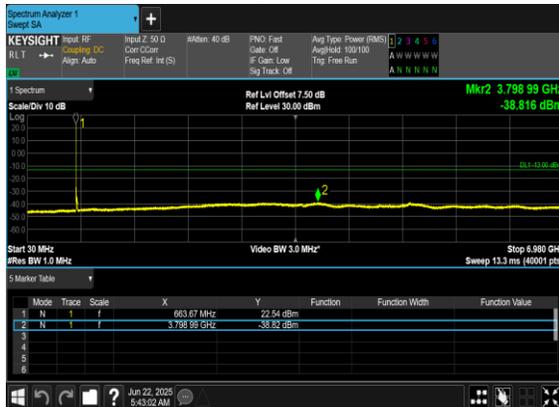
N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



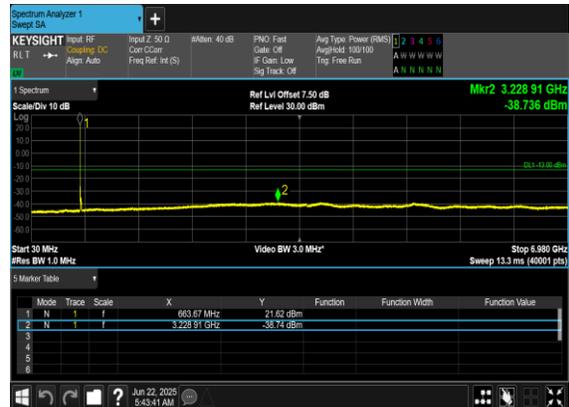
N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH





N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_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_Edge_1RB_Left_Mid_CH



N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH





N71(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



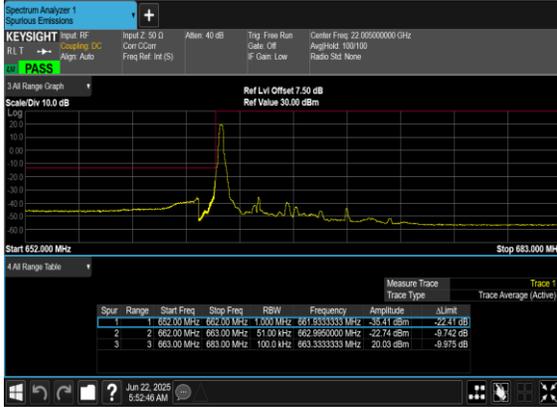


Conducted Band Edge

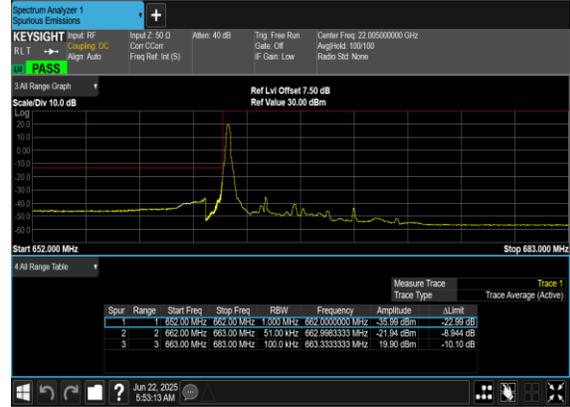
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	100@0	see graph	PASS



N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



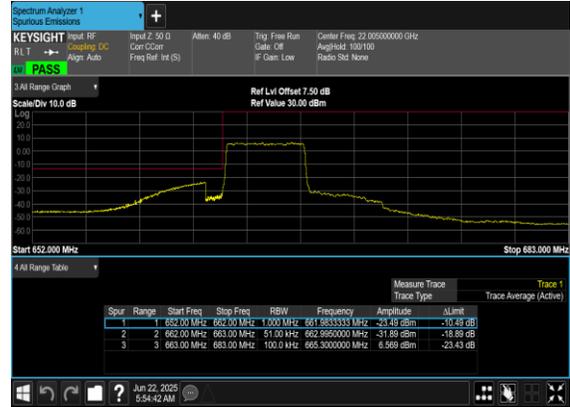
N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N71(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N71(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N71(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

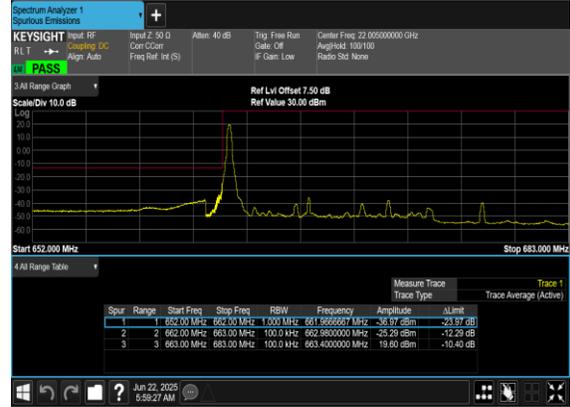




N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



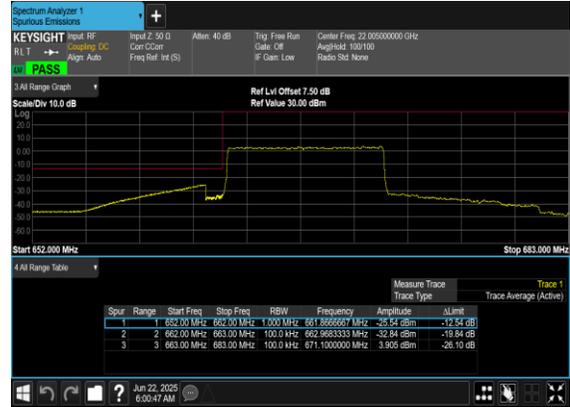
N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N71(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



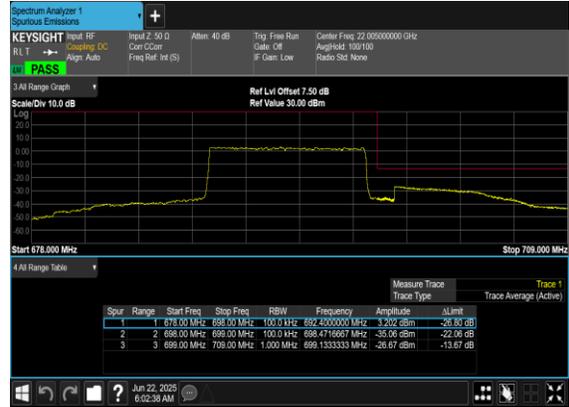
N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N71(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N71(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

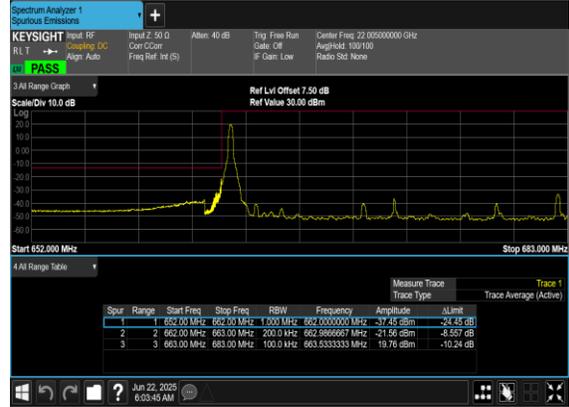




N71(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



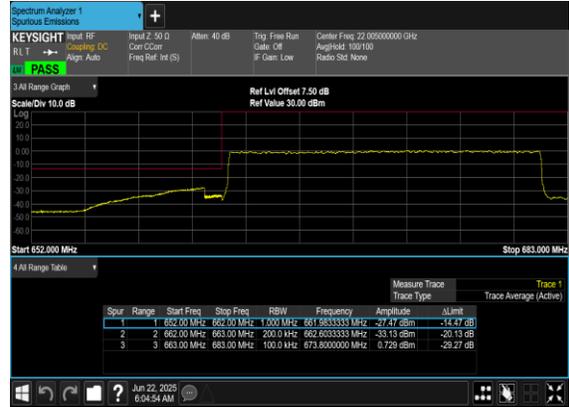
N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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 :	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.

n26 SA / NR 20MHz / QPSK(ANT0)									
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)
Middle	1655	-64.81	-13	-51.81	-74.37	-68.06	4.00	9.40	H
	2482.5	-59.83	-13	-46.83	-73.73	-63.40	4.88	10.60	H
	3310	-62.24	-13	-49.24	-78.16	-67.17	5.52	12.60	H
	1655	-65.68	-13	-52.68	-74.84	-68.93	4.00	9.40	V
	2482.5	-59.47	-13	-46.47	-73.34	-63.04	4.88	10.60	V
	3310	-62.25	-13	-49.25	-77.95	-67.18	5.52	12.60	V

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

EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT1+0)									
Channel	Frequency (MHz)	EIRP/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)
NR n5 Middle	1654.5	-63.59	-13	-50.59	-73.78	-66.84	4.00	9.40	H
	2481.75	-57.47	-13	-44.47	-71.87	-61.04	4.88	10.60	H
	3315	-58.35	-13	-45.35	-73.81	-63.28	5.52	12.60	H
	1654.5	-61.93	-13	-48.93	-71.86	-65.18	4.00	9.40	V
	2481.75	-58.11	-13	-45.11	-72.48	-61.68	4.88	10.60	V
	3315	-57.80	-13	-44.80	-73.04	-62.73	5.52	12.60	V
LTE Band7 Middle	5052.18	-56.91	-25	-31.91	-77.47	-62.47	7.14	12.70	H
	7578.27	-51.19	-25	-26.19	-76.30	-54.49	8.30	11.60	H
	10104.36	-51.79	-25	-26.79	-82.51	-53.31	10.48	12.00	H
	5052.18	-55.07	-25	-30.07	-75.75	-60.63	7.14	12.70	V
	7578.27	-51.96	-25	-26.96	-77.03	-55.26	8.30	11.60	V
	10104.36	-50.34	-25	-25.34	-79.66	-51.86	10.48	12.00	V

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



n71 SA / NR 20MHz / QPSK(ANT0)									
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)
Middle	1343	-65.00	-13	-52.00	-74.28	-68.25	4.00	9.40	H
	2014.5	-64.56	-13	-51.56	-75.81	-68.13	4.88	10.60	H
	2686	-63.04	-13	-50.04	-77.61	-67.97	5.52	12.60	H
	1343	-65.71	-13	-52.71	-74.62	-68.96	4.00	9.40	V
	2014.5	-65.50	-13	-52.50	-76.64	-69.07	4.88	10.60	V
	2686	-63.22	-13	-50.22	-77.81	-68.15	5.52	12.60	V

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