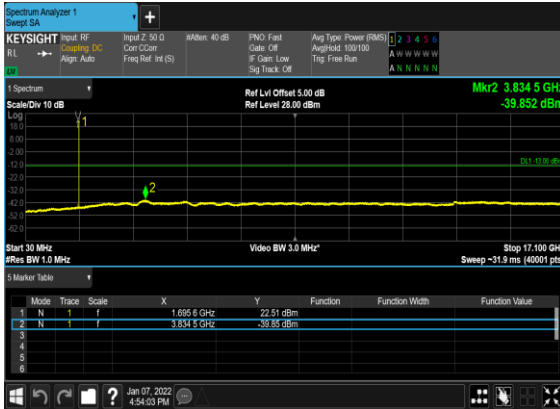
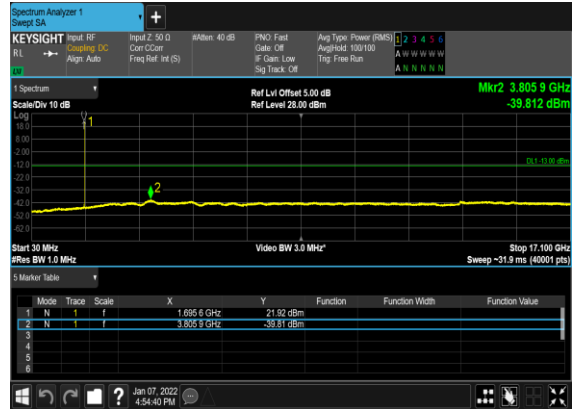


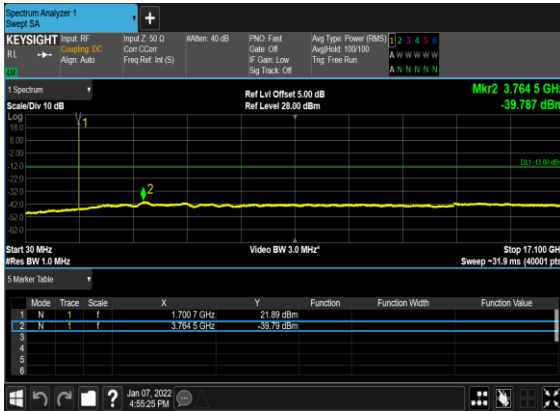
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



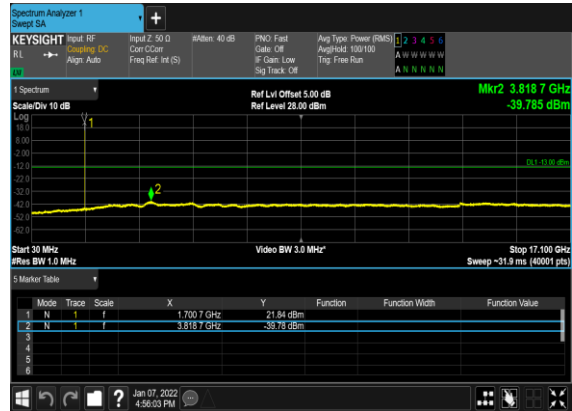
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



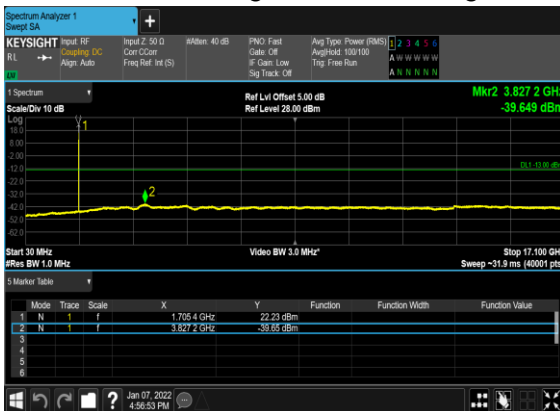
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



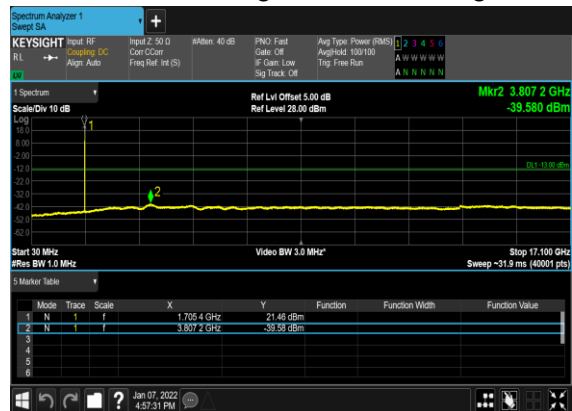
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



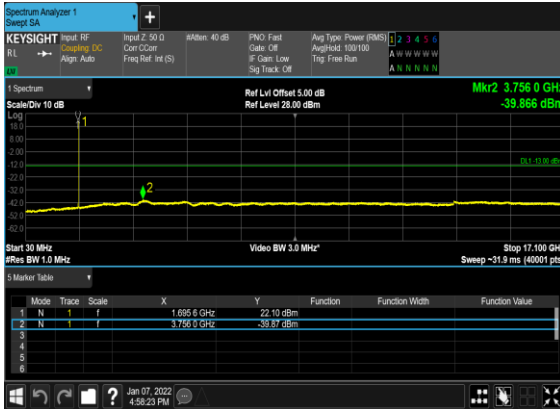
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



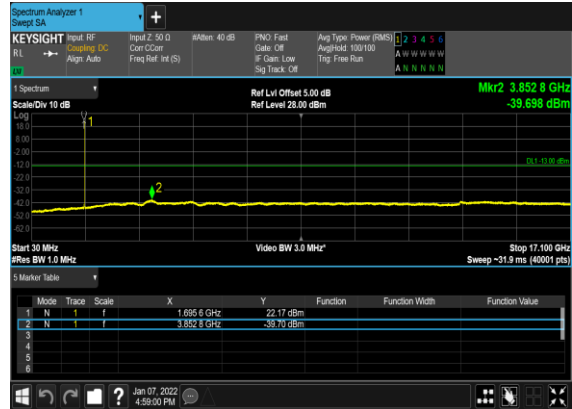
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



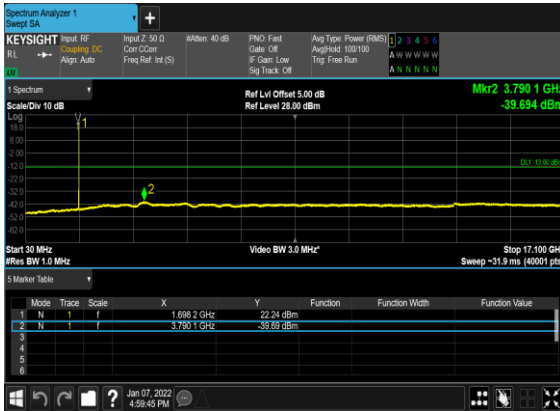
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



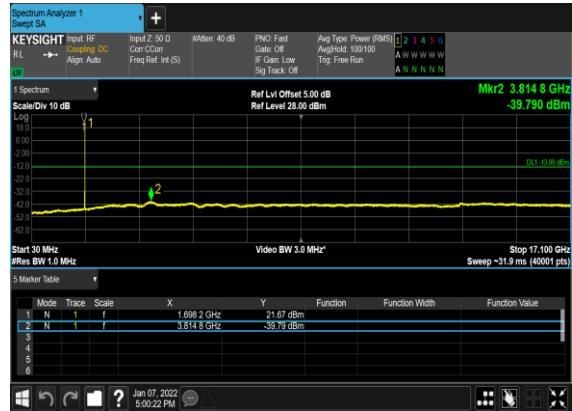
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



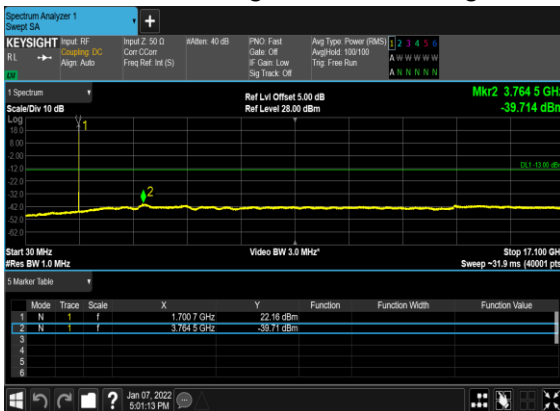
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



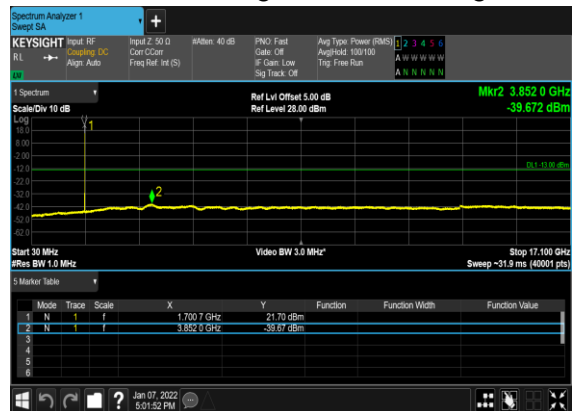
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



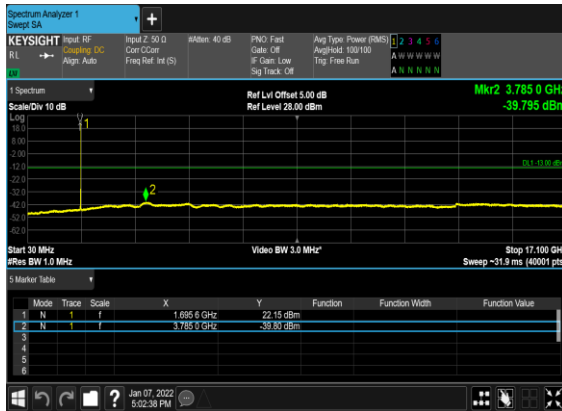
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



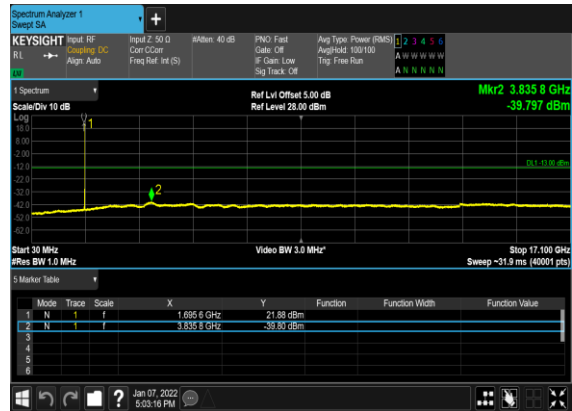
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N70(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N70(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



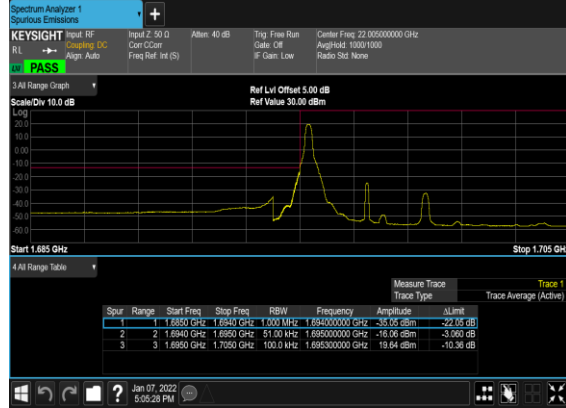
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
70	15	5	399500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	399500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	5	399500	1697.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
70	15	5	399500	1697.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
70	15	5	401500	1707.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
70	15	5	401500	1707.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
70	15	5	401500	1707.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
70	15	5	401500	1707.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
70	15	10	400000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	400000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	400000	1700.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
70	15	10	400000	1700.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
70	15	10	401000	1705.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
70	15	10	401000	1705.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
70	15	10	401000	1705.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
70	15	10	401000	1705.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
70	15	15	400500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	15	400500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	15	400500	1702.5	DFT-s-OFDM BPSK	1@78	see graph	PASS
70	15	15	400500	1702.5	DFT-s-OFDM QPSK	1@78	see graph	PASS
70	15	15	400500	1702.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
70	15	15	400500	1702.5	DFT-s-OFDM QPSK	75@0	see graph	PASS

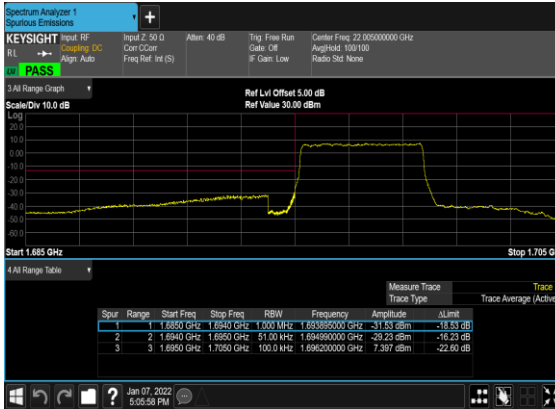
N70(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N70(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



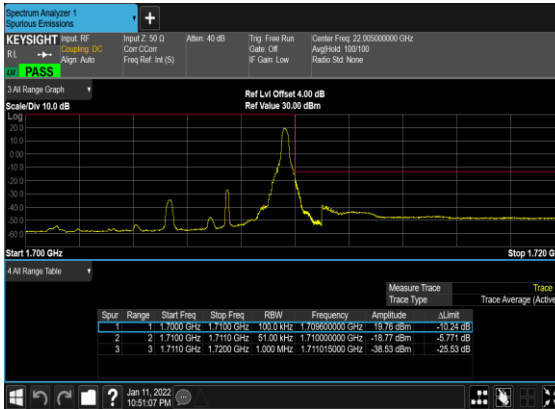
N70(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



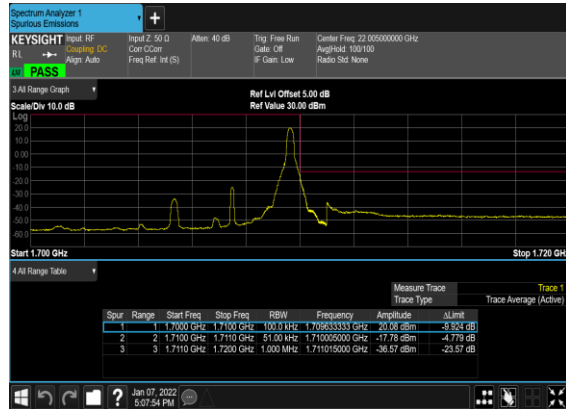
N70(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



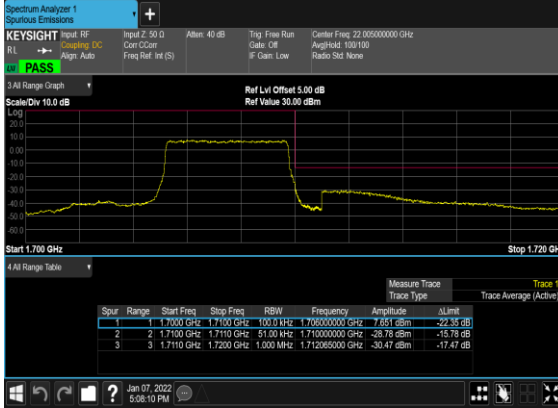
N70(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



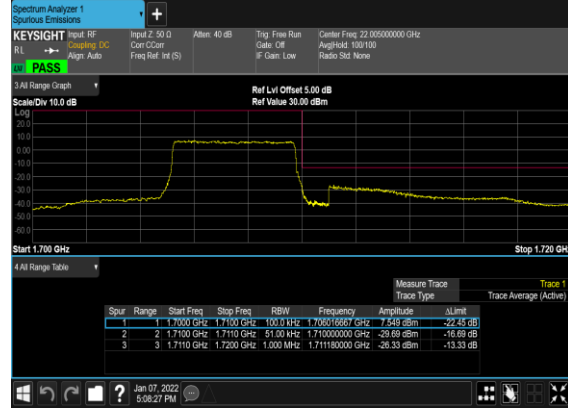
N70(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



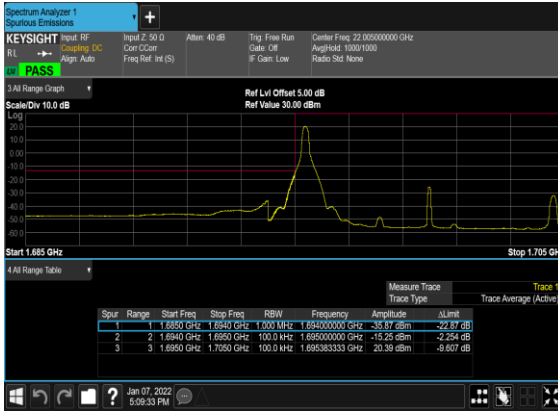
N70(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



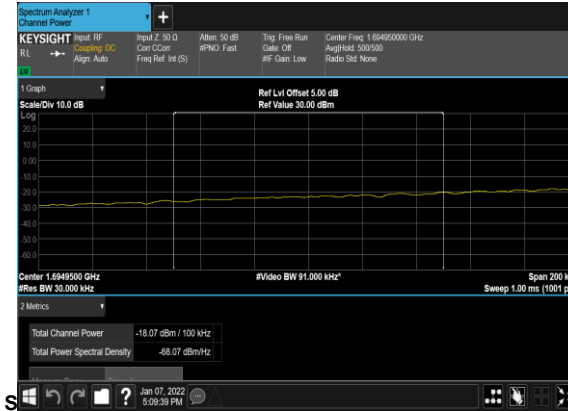
N70(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



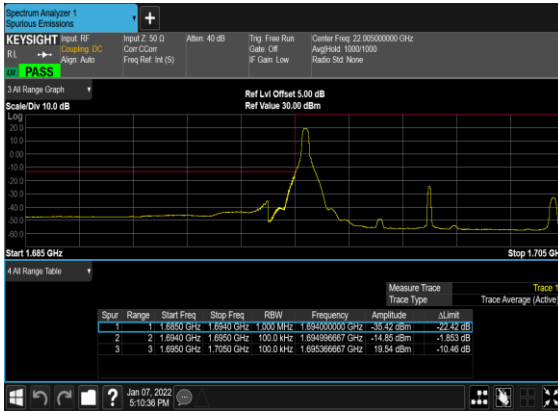
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



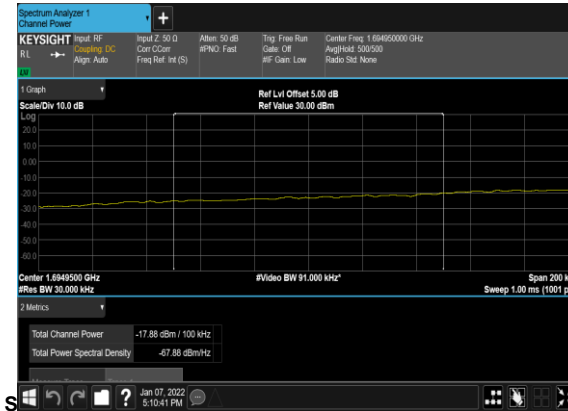
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PAS



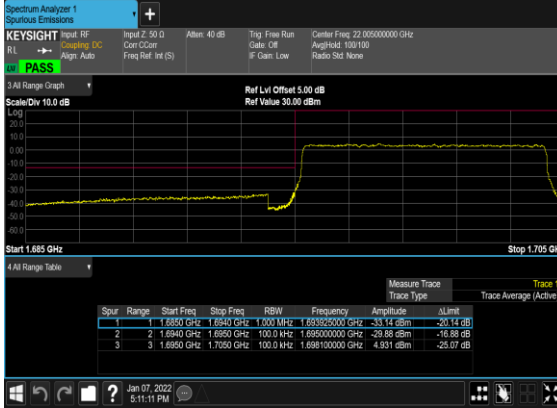
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



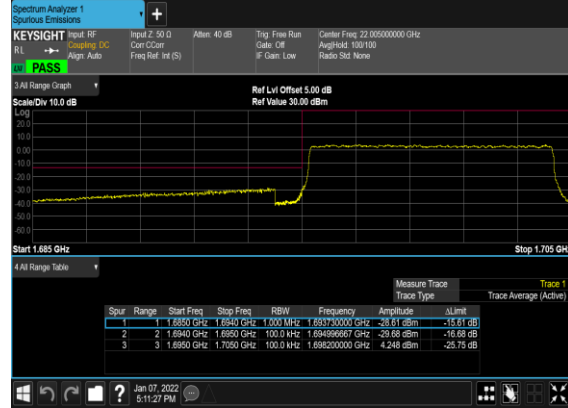
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PAS



N70(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



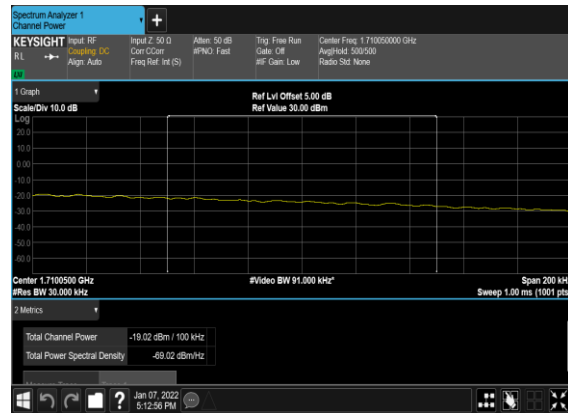
N70(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N70(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



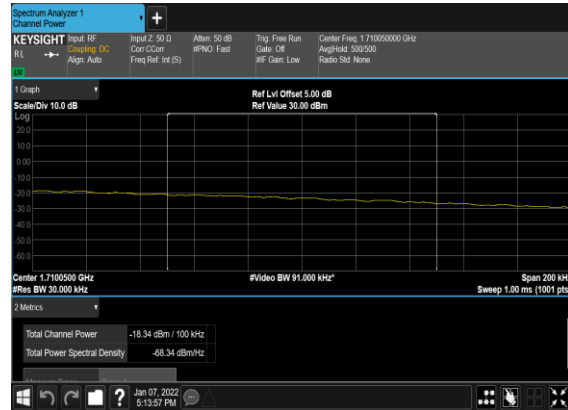
N70(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_P
ASS



N70(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N70(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_P
ASS



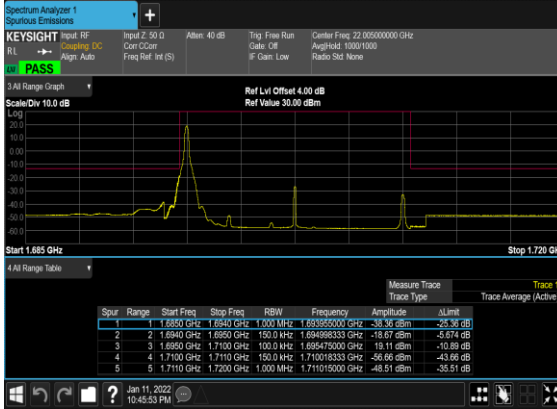
N70(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



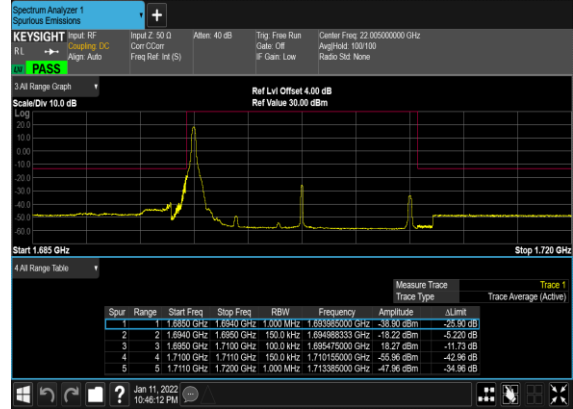
N70(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



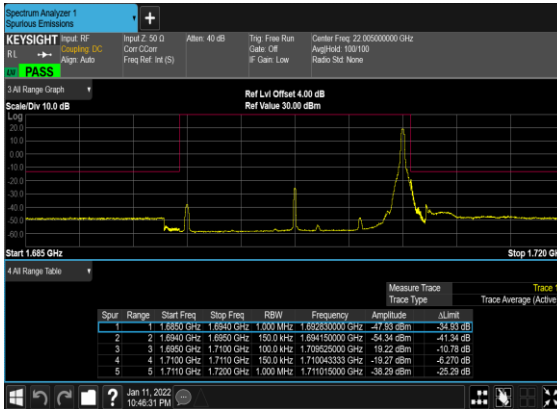
N70(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



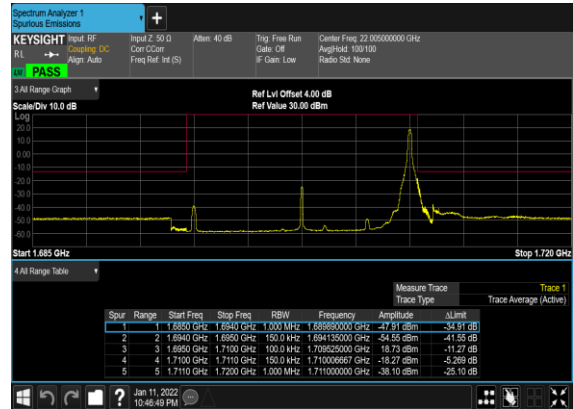
N70(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



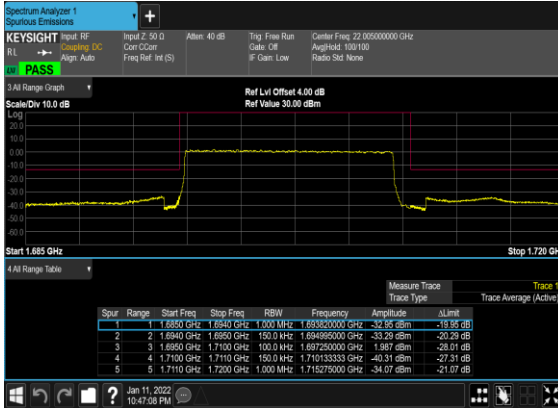
N70(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CH



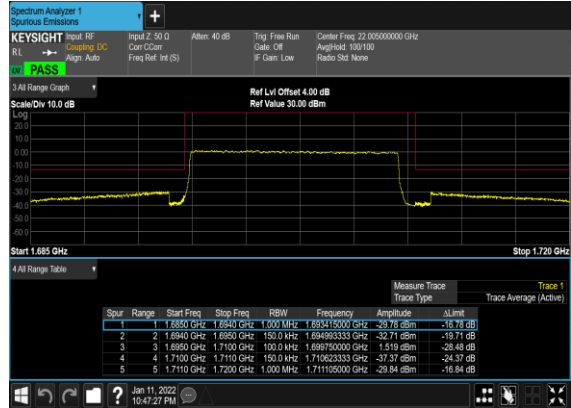
N70(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



N70(15M)_DFT-s- OFDM_BPSK_Outer_Full_Mid_CH



N70(15M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

SA n25 / NR 40MHz / QPSK / Ant. 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)
Middle	3728	-61.43	-13	-48.43	-78.03	-68.18	5.85	12.60	H
	5592	-50.81	-13	-37.81	-70.05	-56.61	7.30	13.10	H
	7456	-55.23	-13	-42.23	-79.04	-58.38	8.35	11.50	H
	3728	-62.27	-13	-49.27	-78.53	-69.02	5.85	12.60	V
	5592	-52.64	-13	-39.64	-71.71	-58.44	7.30	13.10	V
	7456	-55.00	-13	-42.00	-79.18	-58.15	8.35	11.50	V

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

EN-DC_12A_n25A / LTE 10MHz + NR 40MHz / QPSK / ANT1(LTE) & ANT2(NR)									
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 n25 Middle	3765	-62.18	-13	-49.18	-78.89	-68.93	5.85	12.60	H
	5647.5	-59.99	-13	-46.99	-80.22	-65.79	7.30	13.10	H
	7530	-55.68	-13	-42.68	-79.35	-58.83	8.35	11.50	H
	3765	-62.60	-13	-49.60	-78.85	-69.35	5.85	12.60	V
	5647.5	-61.07	-13	-48.07	-80.12	-66.87	7.30	13.10	V
	7530	-55.50	-13	-42.50	-79.61	-58.65	8.35	11.50	V
LTE Band12 Middle	1406	-65.18	-13	-52.18	-73.48	-68.43	4.00	9.40	H
	2109	-41.55	-13	-28.55	-52.06	-45.12	4.88	10.60	H
	2812	-63.01	-13	-50.01	-76.61	-67.94	5.52	12.60	H
	1406	-65.24	-13	-52.24	-73.43	-68.49	4.00	9.40	V
	2109	-35.33	-13	-22.33	-46.07	-38.90	4.88	10.60	V
	2812	-62.97	-13	-49.97	-76.50	-67.90	5.52	12.60	V

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



SA n26 / NR 20MHz / QPSK / Ant. 2									
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	1642.6	-65.37	-13	-52.37	-72.82	-68.62	4.00	9.40	H
	2464	-56.07	-13	-43.07	-67.63	-59.64	4.88	10.60	H
	3285.2	-63.13	-13	-50.13	-78.06	-68.06	5.52	12.60	H
	1642.6	-66.33	-13	-53.33	-73.78	-69.58	4.00	9.40	V
	2464	-57.83	-13	-44.83	-69.41	-61.40	4.88	10.60	V
	3285.2	-63.17	-13	-50.17	-77.99	-68.10	5.52	12.60	V

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

SA n66 / NR 40MHz / QPSK / Ant. 2									
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	3451.6	-63.60	-13	-50.60	-78.78	-70.45	5.65	12.50	H
	5177.4	-55.74	-13	-42.74	-75.37	-61.41	7.13	12.80	H
	6903.2	-58.09	-13	-45.09	-80.22	-61.49	8.40	11.80	H
	3451.6	-63.40	-13	-50.40	-78.6	-70.25	5.65	12.50	V
	5177.4	-55.50	-13	-42.50	-74.79	-61.17	7.13	12.80	V
	6903.2	-57.89	-13	-44.89	-80.35	-61.29	8.40	11.80	V

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

EN-DC_2A_n66A / LTE 20MHz + NR 40MHz / QPSK / ANT1(LTE) & ANT2(NR)									
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 n66 Middle	3451.6	-62.85	-13	-49.85	-78.03	-69.70	5.65	12.50	H
	5177.4	-60.17	-13	-47.17	-79.80	-65.84	7.13	12.80	H
	6903.2	-57.49	-13	-44.49	-79.62	-60.89	8.40	11.80	H
	3451.6	-63.17	-13	-50.17	-78.37	-70.02	5.65	12.50	V
	5177.4	-60.88	-13	-47.88	-80.17	-66.55	7.13	12.80	V
	6903.2	-56.87	-13	-43.87	-79.33	-60.27	8.40	11.80	V
LTE Band2 Middle	3742.18	-61.82	-13	-48.82	-78.45	-68.57	5.85	12.60	H
	5613.27	-59.50	-13	-46.50	-79.02	-65.30	7.30	13.10	H
	7484.36	-55.26	-13	-42.26	-79.01	-58.41	8.35	11.50	H
	3742.18	-62.15	-13	-49.15	-78.4	-68.90	5.85	12.60	V
	5613.27	-60.37	-13	-47.37	-79.37	-66.17	7.30	13.10	V
	7484.36	-54.97	-13	-41.97	-79.11	-58.12	8.35	11.50	V

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



SA n70 / NR 15MHz / QPSK / Ant. 2									
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	3392	-64.17	-13	-51.17	-79.11	-71.02	5.65	12.50	H
	5088	-48.08	-13	-35.08	-67.73	-53.75	7.13	12.80	H
	6784	-57.78	-13	-44.78	-79.81	-61.18	8.40	11.80	H
	3392	-63.47	-13	-50.47	-78.43	-70.32	5.65	12.50	V
	5088	-48.12	-13	-35.12	-67.6	-53.79	7.13	12.80	V
	6784	-57.22	-13	-44.22	-79.75	-60.62	8.40	11.80	V

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

———— THE END ————