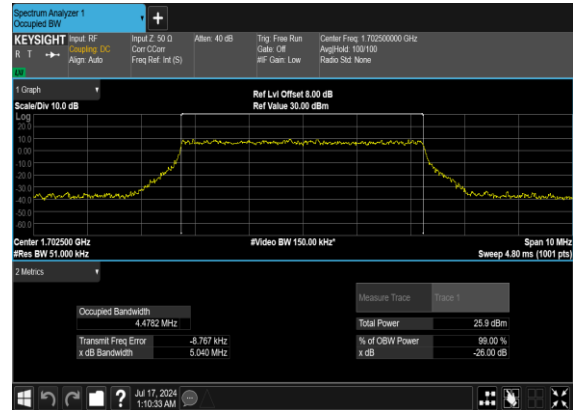
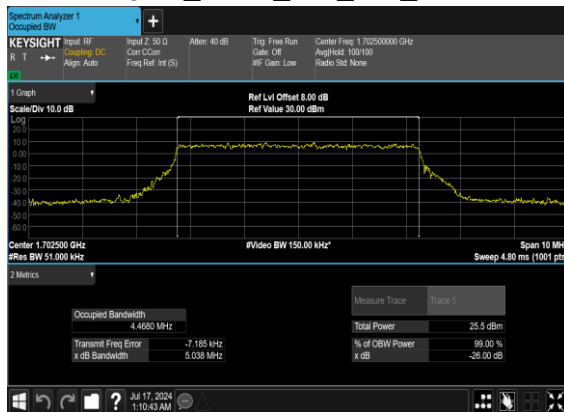
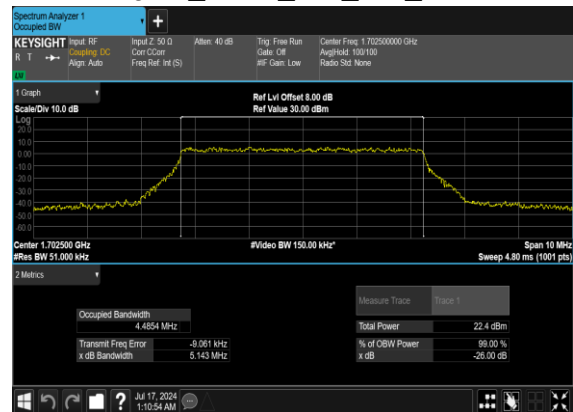
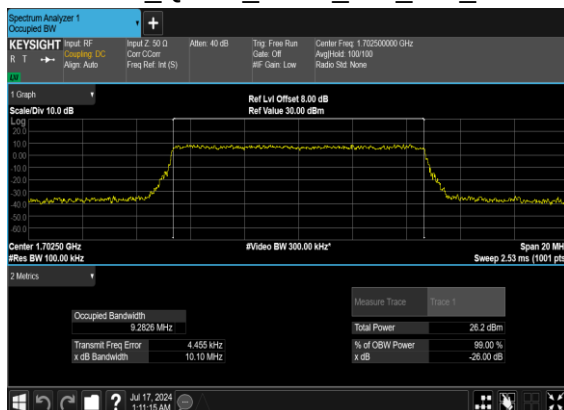
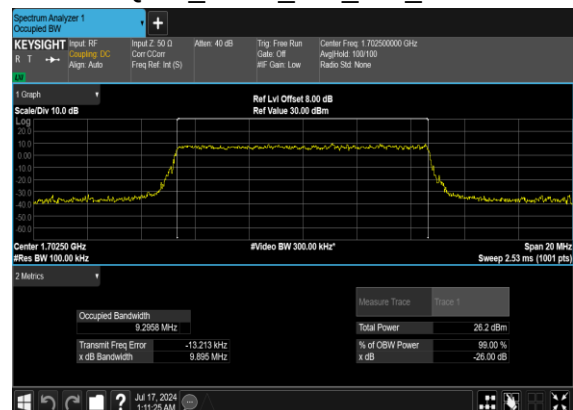
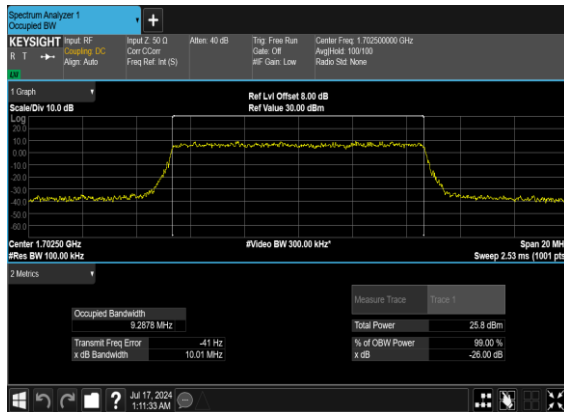
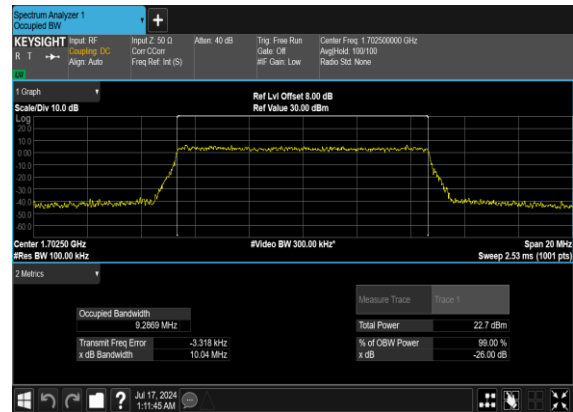
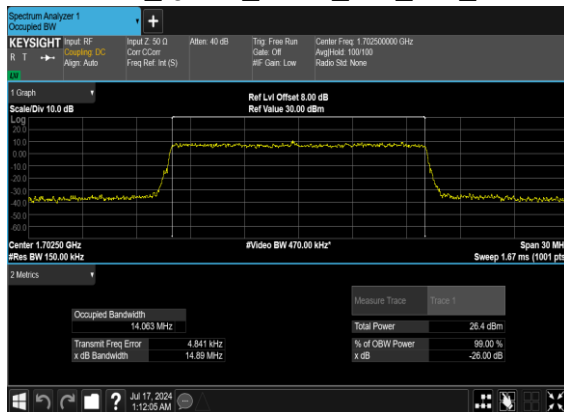
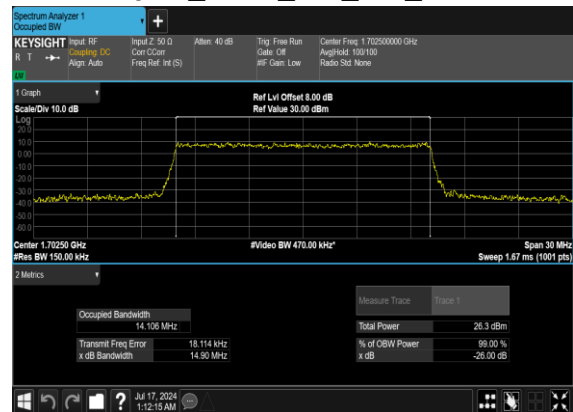
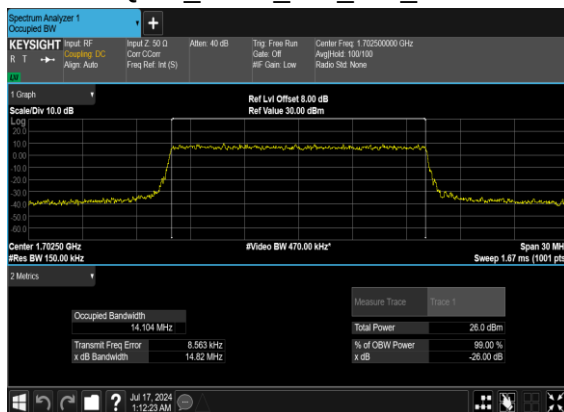
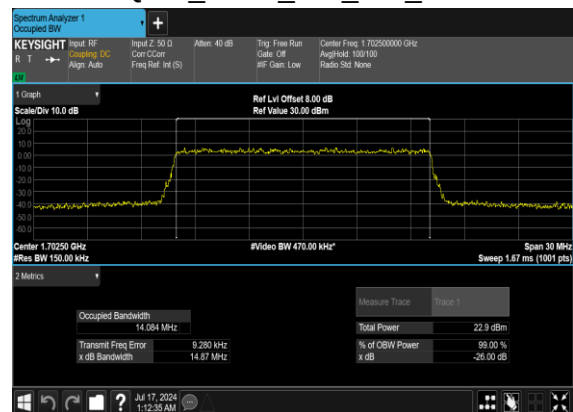


N70(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN70(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN70(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN70(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CHN70(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN70(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

N70(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN70(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CHN70(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN70(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN70(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN70(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

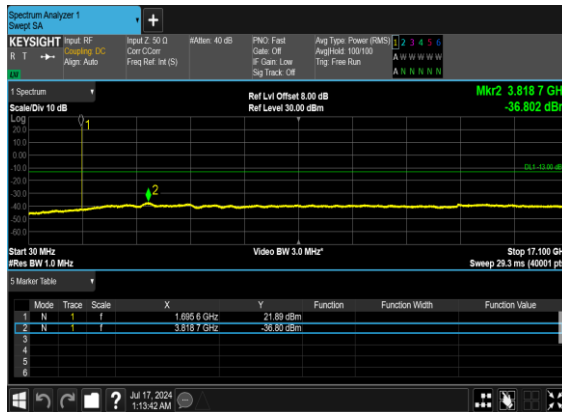
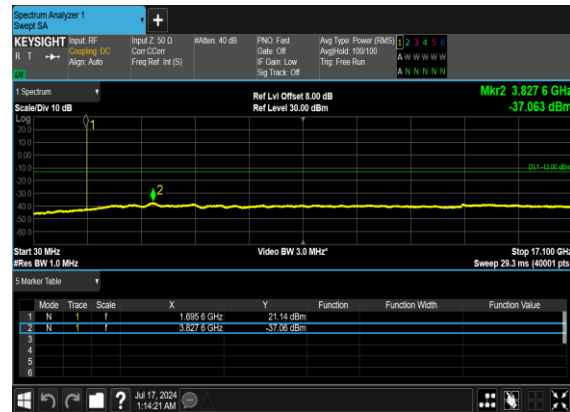
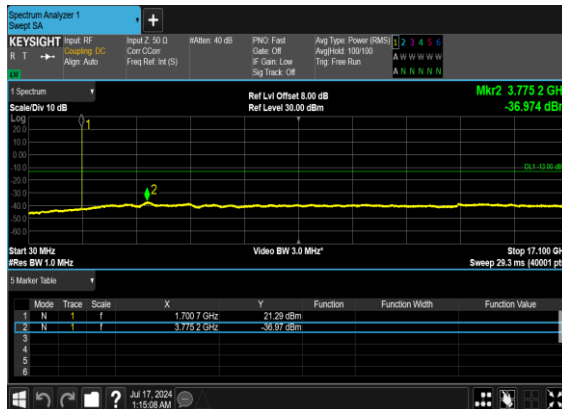
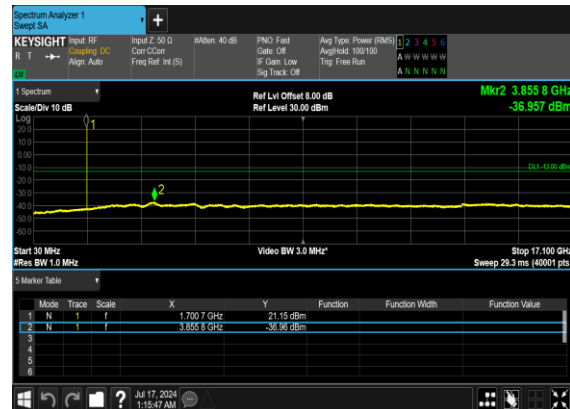
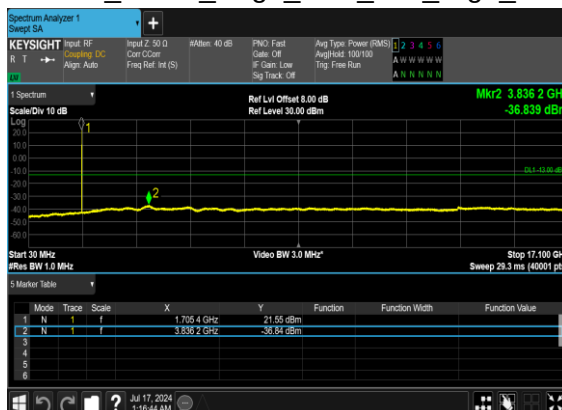
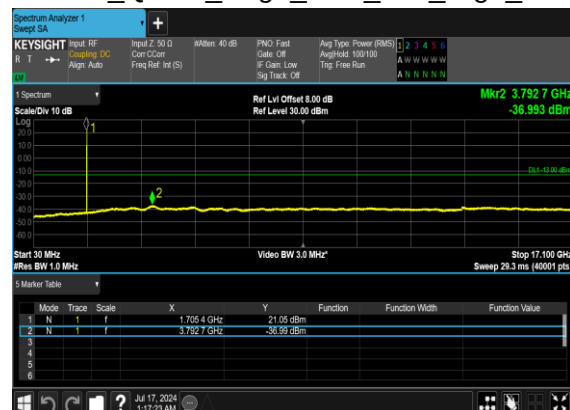


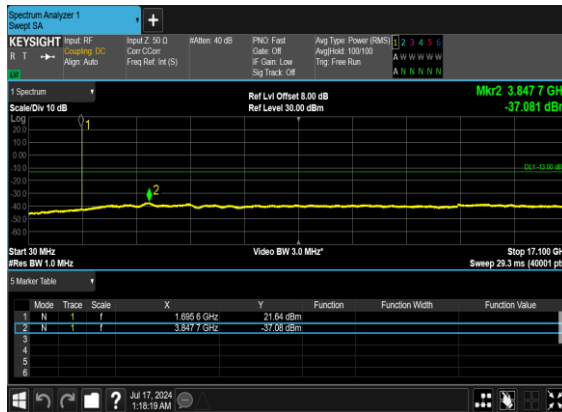
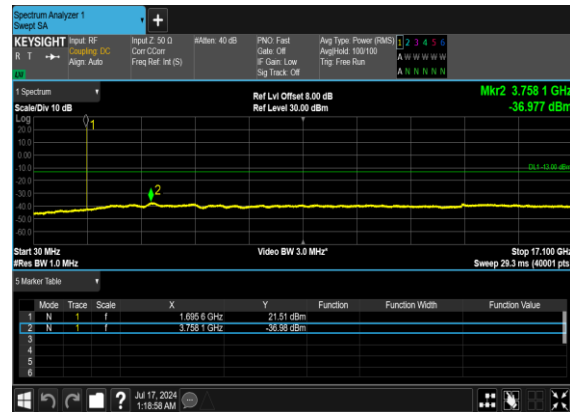
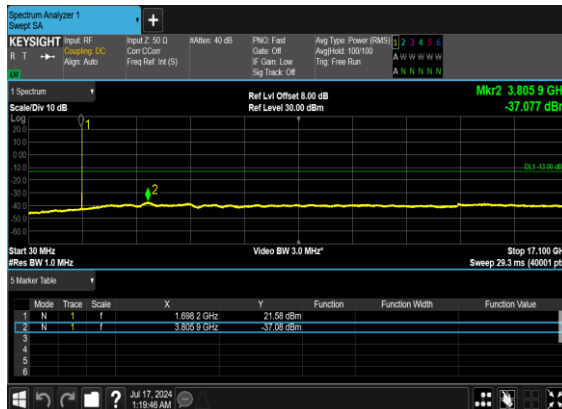
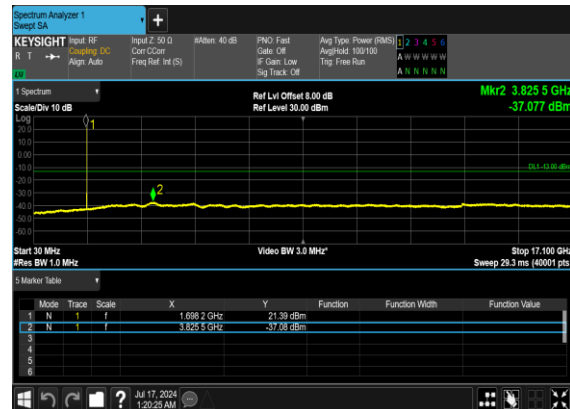
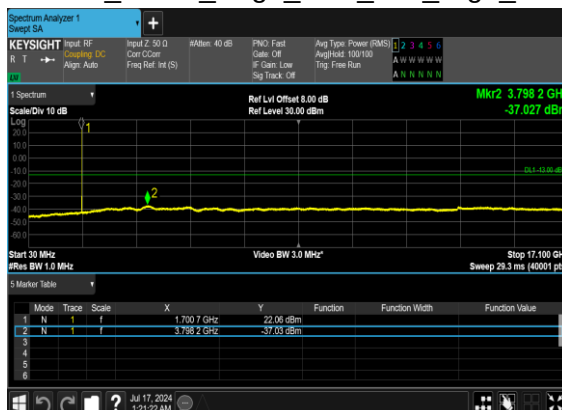
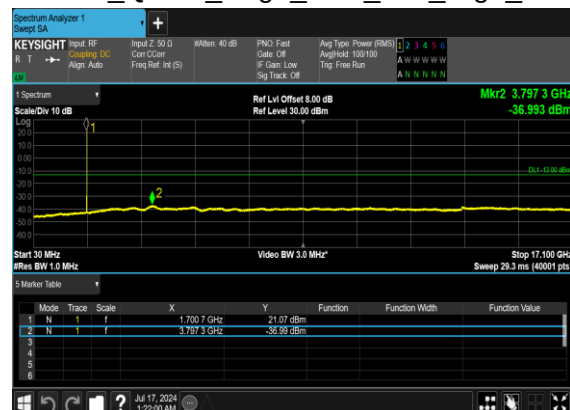
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	5	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS



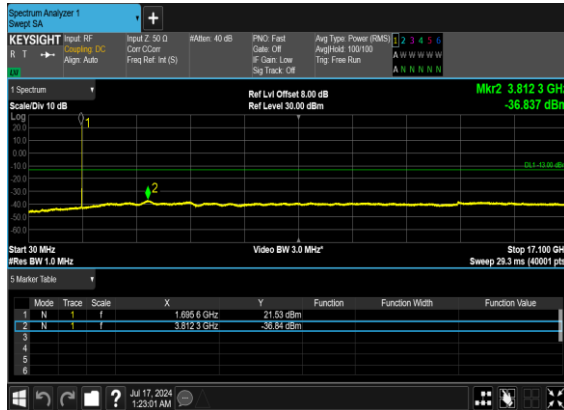
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS

N70(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN70(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN70(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN70(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN70(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN70(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

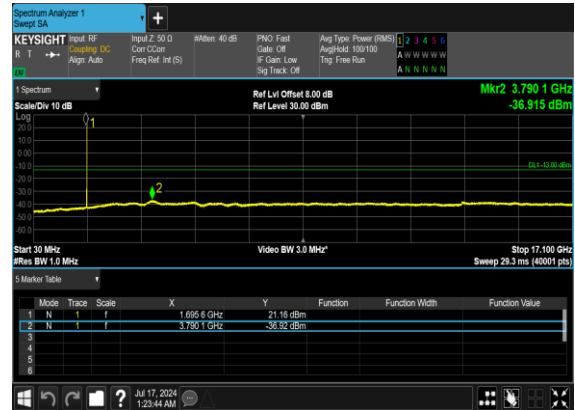
N70(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN70(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN70(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN70(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN70(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN70(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N70(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

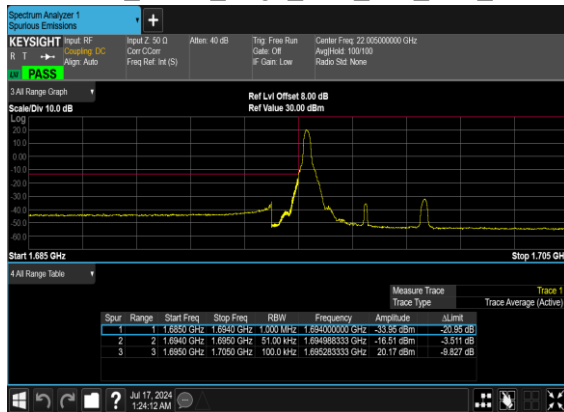
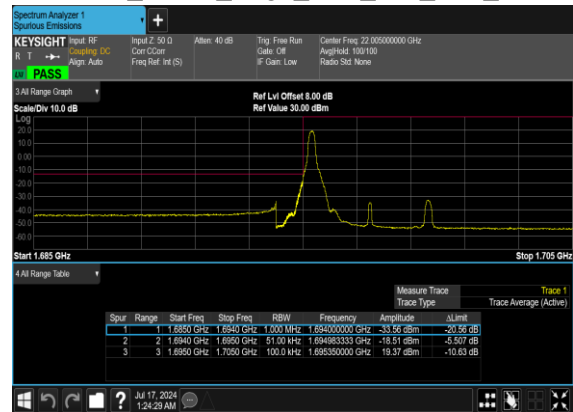
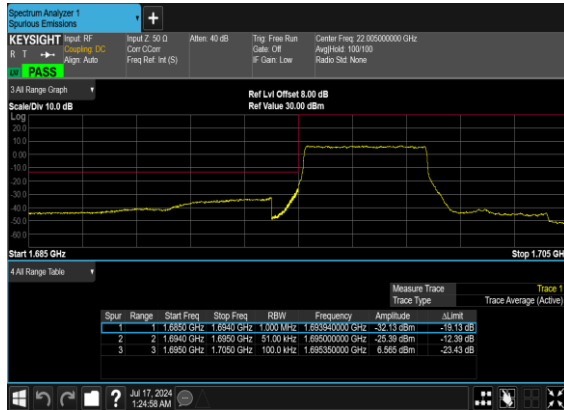
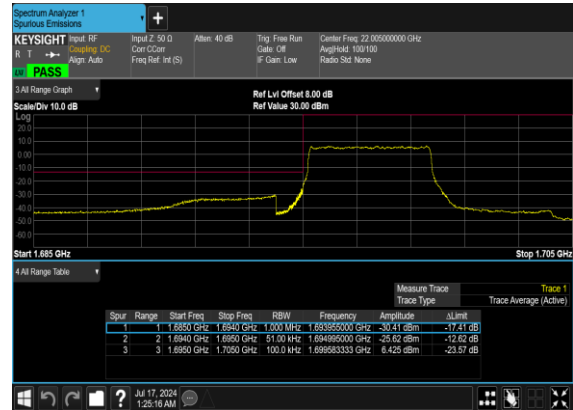
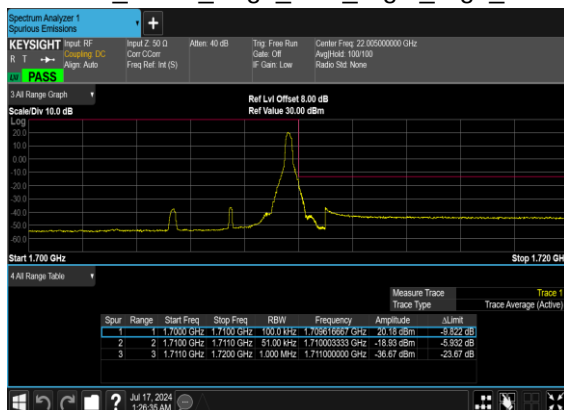
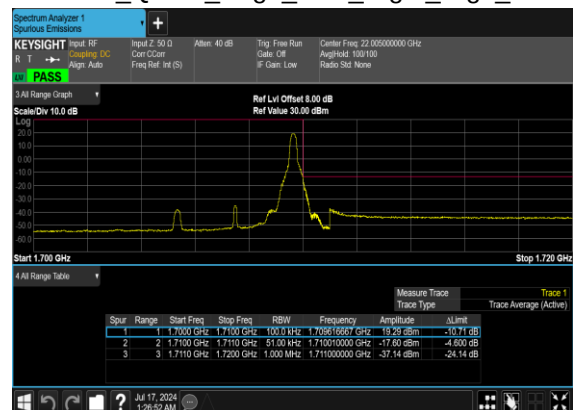


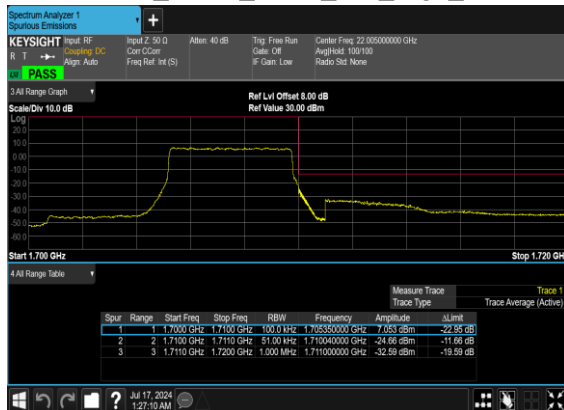
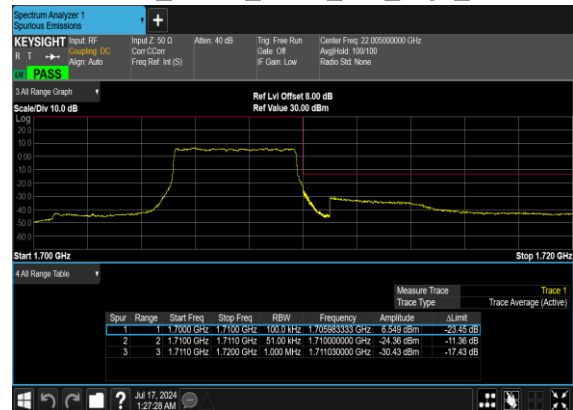
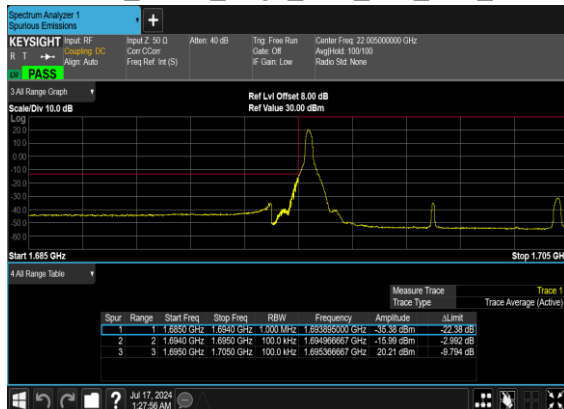
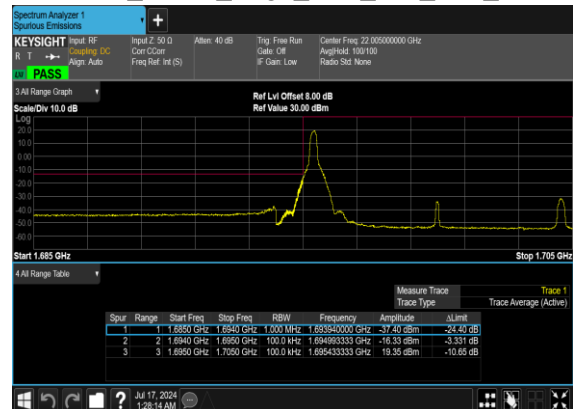
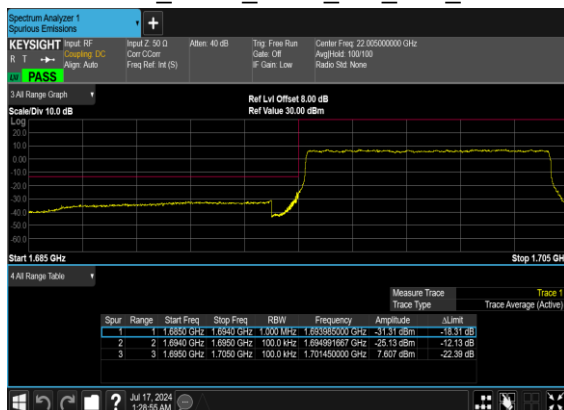
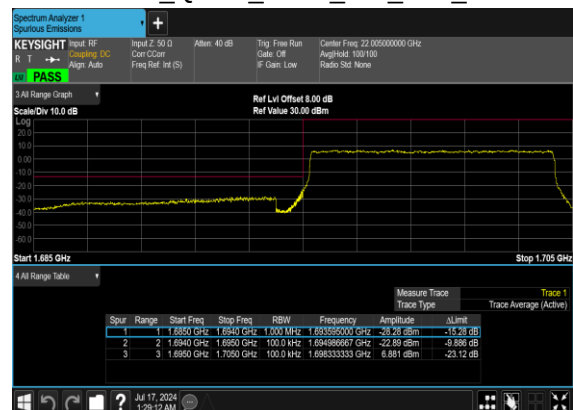
N70(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

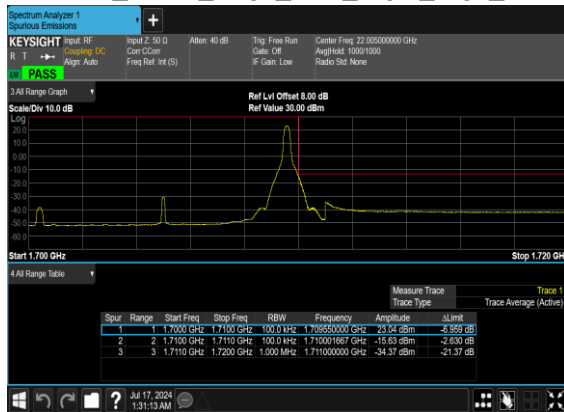
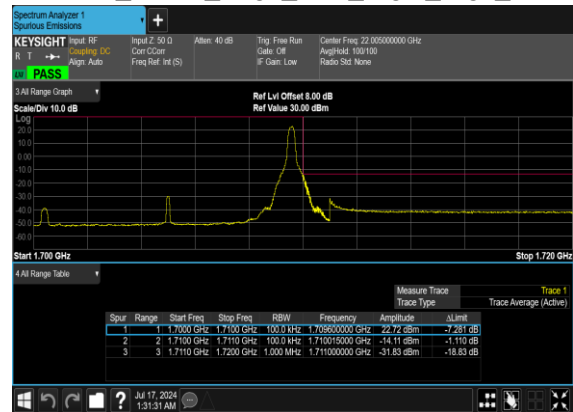
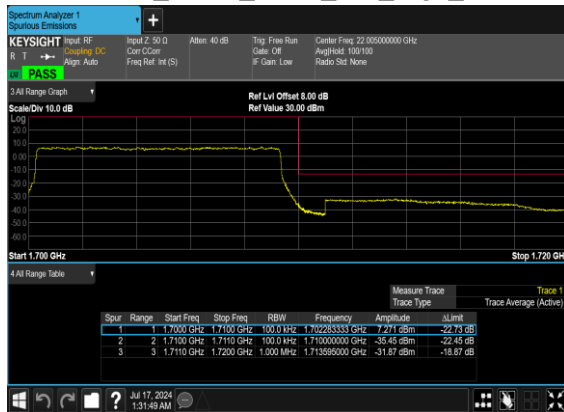
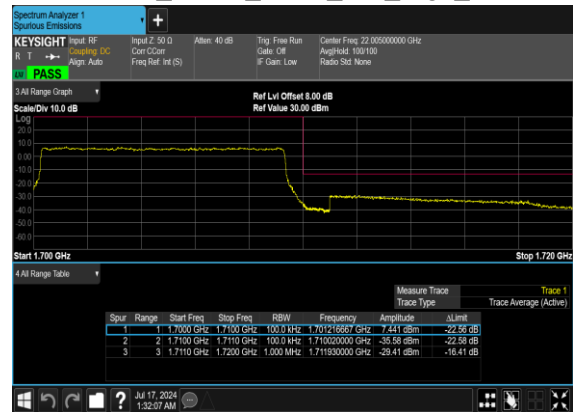
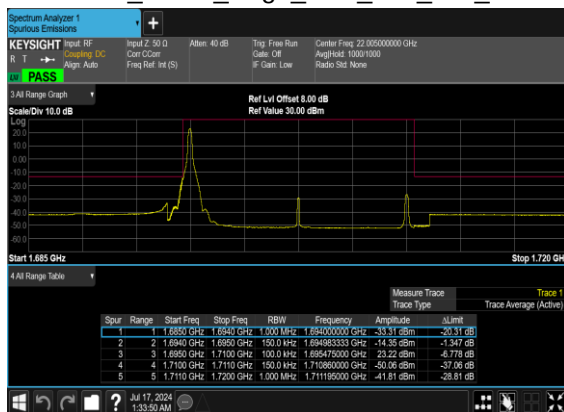
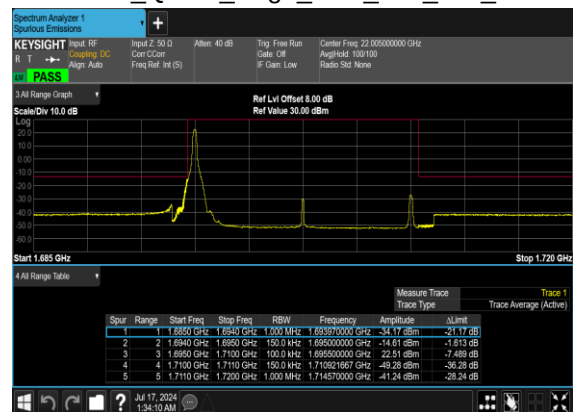


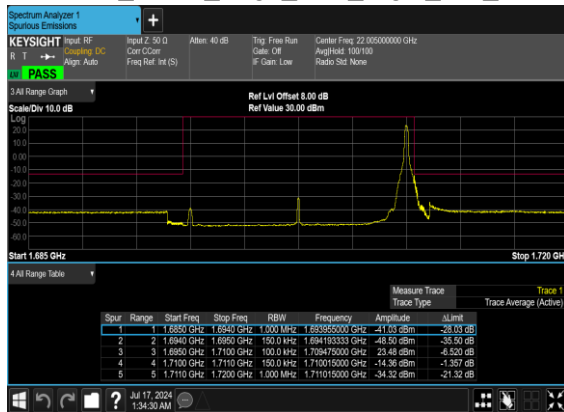
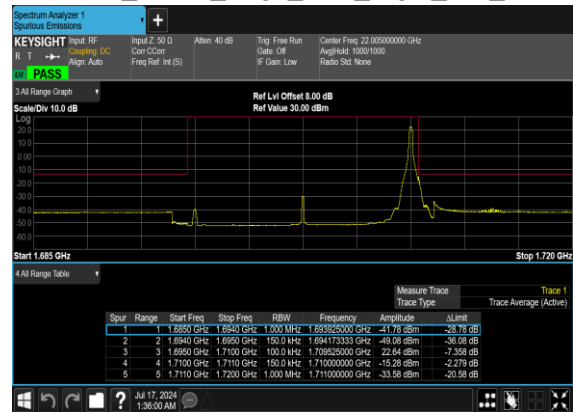
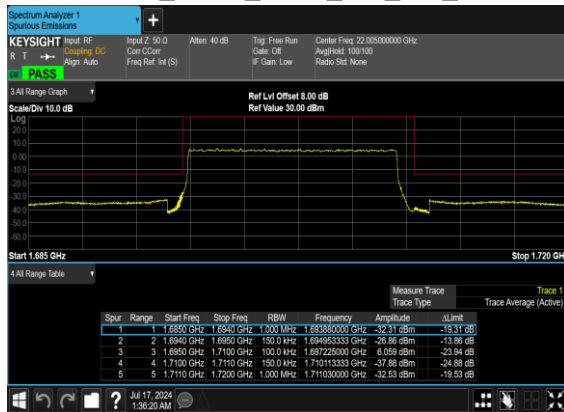
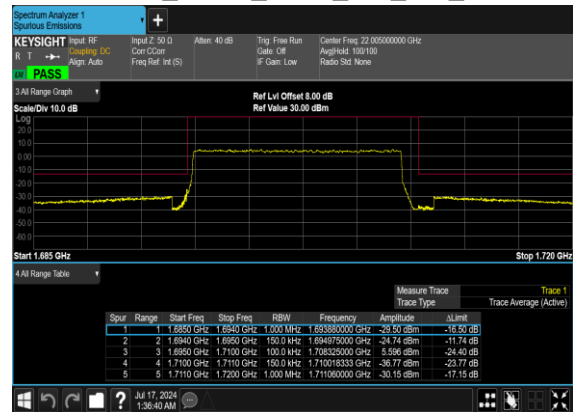
**Conducted Band Edge**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@78	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@78	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	75@0	see graph	PASS

N70(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN70(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN70(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN70(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CHN70(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN70(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

N70(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN70(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CHN70(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN70(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN70(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN70(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N70(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN70(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN70(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN70(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CHN70(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN70(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

N70(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CHN70(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CHN70(15M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CHN70(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shunping You	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.

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)
Middle	5088.34	-59.41	-25	-34.41	-81.37	-64.97	7.14	12.70	H
	7632.51	-53.75	-25	-28.75	-80.40	-57.05	8.30	11.60	H
	10176.68	-49.03	-25	-24.03	-80.35	-50.55	10.48	12.00	H
	5088.34	-59.66	-25	-34.66	-81.78	-65.22	7.14	12.70	V
	7632.51	-54.06	-25	-29.06	-80.63	-57.36	8.30	11.60	V
	10176.68	-51.33	-25	-26.33	-81.4	-52.85	10.48	12.00	V

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

EN-DC_2A_n41A / LTE 20MHz + 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 Middle	5088.34	-58.18	-25	-33.18	-80.14	-63.74	7.14	12.70	H
	7502.00	-54.25	-25	-29.25	-81.15	-57.55	8.30	11.60	H
	10176.68	-51.24	-25	-26.24	-82.56	-52.76	10.48	12.00	H
	5088.34	-58.48	-25	-33.48	-80.6	-64.04	7.14	12.70	V
	7502.00	-54.69	-25	-29.69	-81.58	-57.99	8.30	11.60	V
	10176.68	-52.13	-25	-27.13	-82.2	-53.65	10.48	12.00	V
LTE Band2 Middle	3751	-60.20	-13	-47.20	-78.82	-66.95	5.85	12.60	H
	5626.5	-58.12	-13	-45.12	-80.94	-63.92	7.30	13.10	H
	7632.51	-54.23	-13	-41.23	-80.88	-57.38	8.35	11.50	H
	3751	-60.08	-13	-47.08	-78.63	-66.83	5.85	12.60	V
	5626.5	-58.84	-13	-45.84	-81.38	-64.64	7.30	13.10	V
	7632.51	-54.42	-13	-41.42	-80.99	-57.57	8.35	11.50	V

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



N66 SA / NR 40MHz / QPSK(ANT1)									
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	3451.43	-61.68	-13	-48.68	-78.45	-68.53	5.65	12.50	H
	5177.14	-59.84	-13	-46.84	-81.63	-65.51	7.13	12.80	H
	6902.86	-55.98	-13	-42.98	-81.54	-59.38	8.40	11.80	H
	3451.43	-61.49	-13	-48.49	-78.3	-68.34	5.65	12.50	V
	5177.14	-59.56	-13	-46.56	-81.64	-65.23	7.13	12.80	V
	6902.86	-55.44	-13	-42.44	-81.48	-58.84	8.40	11.80	V

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

EN-DC_30A_n66A / LTE 10MHz + NR 40MHz / 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 n66 Middle	3451.42	-64.84	-13	-51.84	-49.26	-71.59	5.85	12.60	H
	5177.13	-63.83	-13	-50.83	-51.28	-69.63	7.30	13.10	H
	8628.57	-51.79	-13	-38.79	-48.41	-54.94	8.35	11.50	H
	10354.28	-45.58	-13	-32.58	-44.81	-47.73	9.85	12.00	H
	3451.42	-64.94	-13	-51.94	-49.4	-71.69	5.85	12.60	V
	5177.13	-63.38	-13	-50.38	-51.12	-69.18	7.30	13.10	V
	8628.57	-51.51	-13	-38.51	-47.45	-54.66	8.35	11.50	V
	10354.28	-53.01	-13	-40.01	-51.37	-55.16	9.85	12.00	V
LTE Band30 Middle	4611.00	-63.09	-40	-23.09	-50.77	-69.34	6.45	12.70	H
	6902.84	-58.65	-40	-18.65	-50.65	-62.05	8.40	11.80	H
	9222.00	-54.91	-40	-14.91	-54.00	-57.26	9.65	12.00	H
	4611.00	-62.75	-40	-22.75	-50.81	-69.00	6.45	12.70	V
	6902.84	-57.67	-40	-17.67	-50.15	-61.07	8.40	11.80	V
	9222.00	-55.55	-40	-15.55	-53.82	-57.90	9.65	12.00	V

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

N70 SA / NR 15MHz / QPSK(ANT1)									
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	3391.2	-62.05	-13	-49.05	-78.40	-68.90	5.65	12.50	H
	5086.8	-41.26	-13	-28.26	-63.22	-46.93	7.13	12.80	H
	6782.4	-56.71	-13	-43.71	-81.55	-60.11	8.40	11.80	H
	8478	-50.74	-13	-37.74	-79.25	-53.59	8.75	11.60	H
	10173.6	-44.66	-13	-31.66	-75.98	-46.08	10.58	12.00	H
	3391.2	-60.53	-13	-47.53	-77	-67.38	5.65	12.50	V
	5086.8	-41.12	-13	-28.12	-63.24	-46.79	7.13	12.80	V
	6782.4	-56.52	-13	-43.52	-81.9	-59.92	8.40	11.80	V
	8478	-49.63	-13	-36.63	-77.62	-52.48	8.75	11.60	V
	10173.6	-48.65	-13	-35.65	-78.72	-50.07	10.58	12.00	V

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