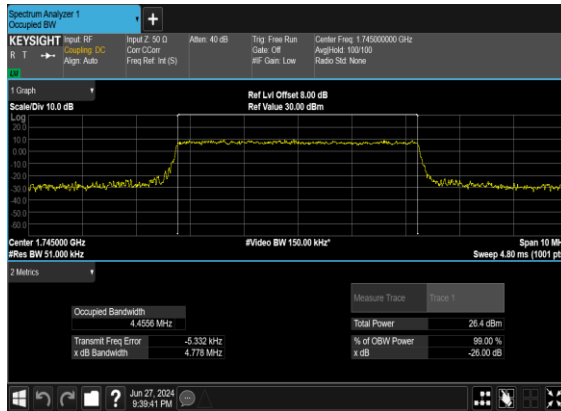
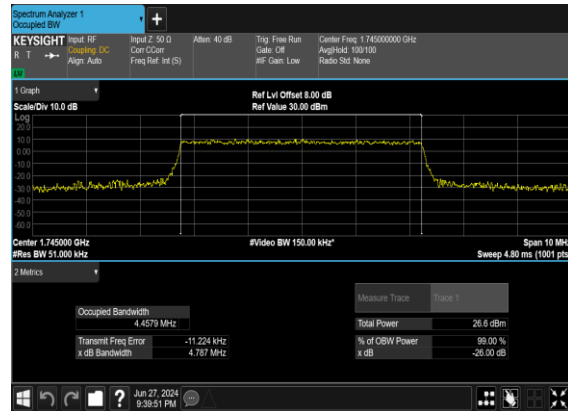


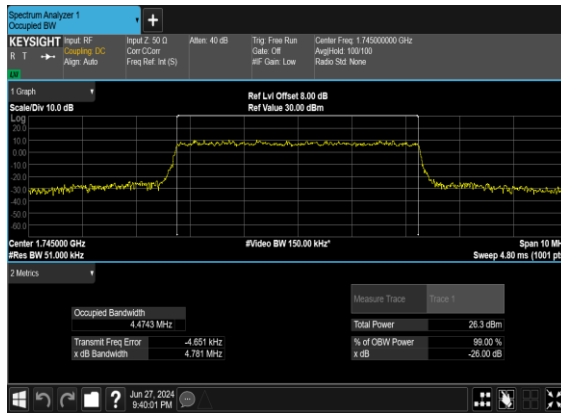
N66(5M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



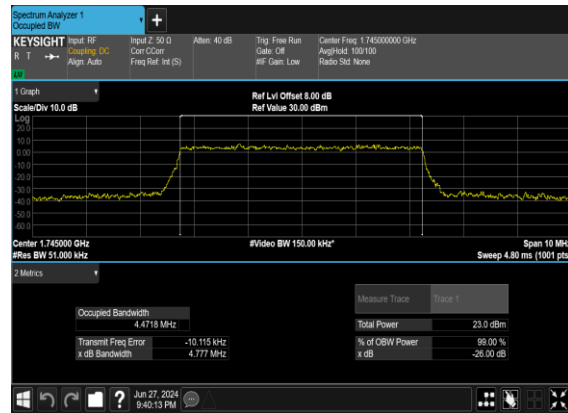
N66(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



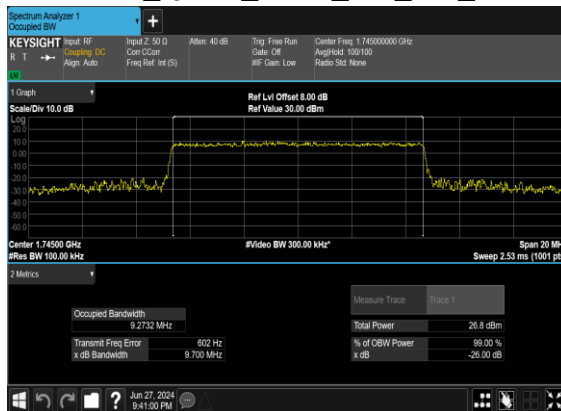
N66(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



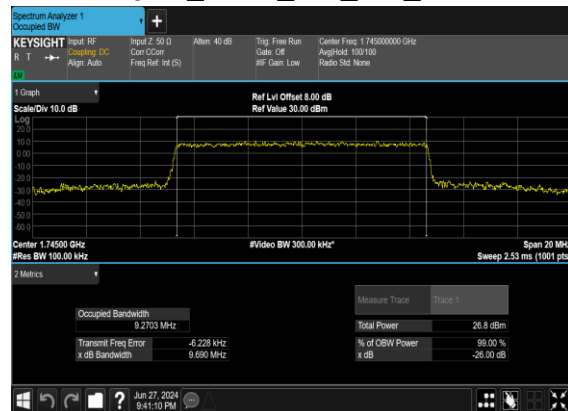
N66(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



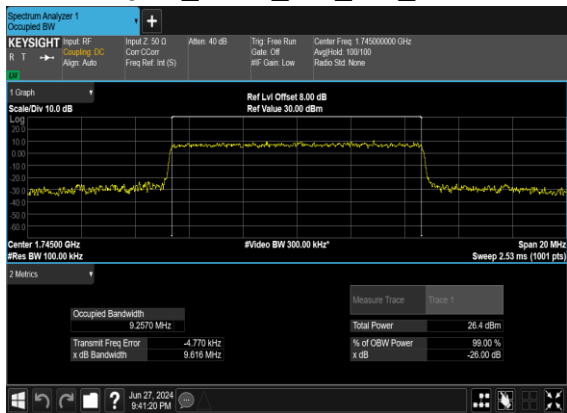
N66(10M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



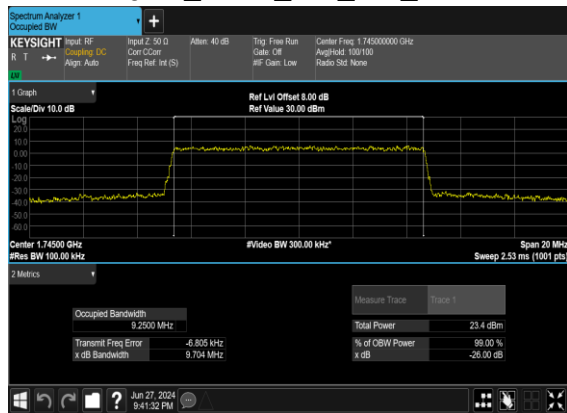
N66(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



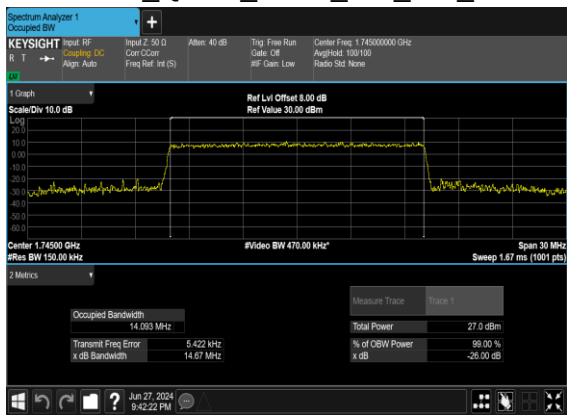
N66(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



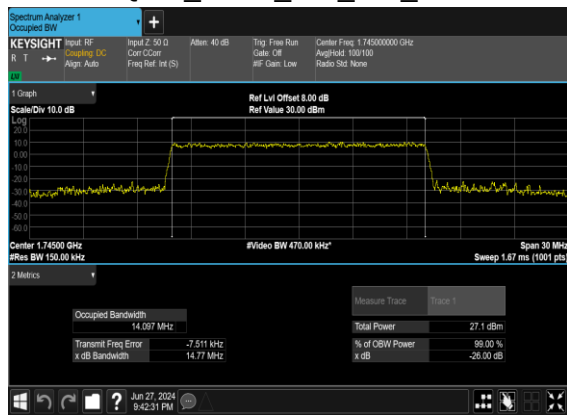
N66(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



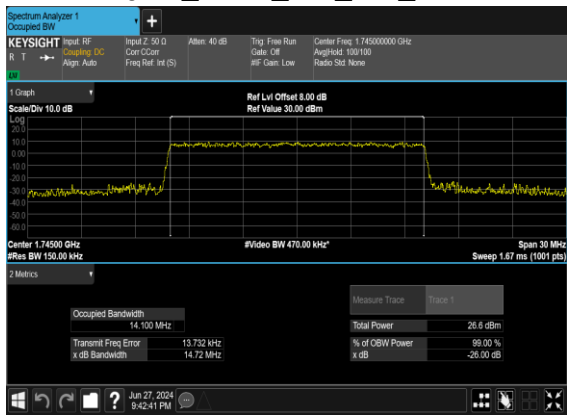
N66(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N66(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



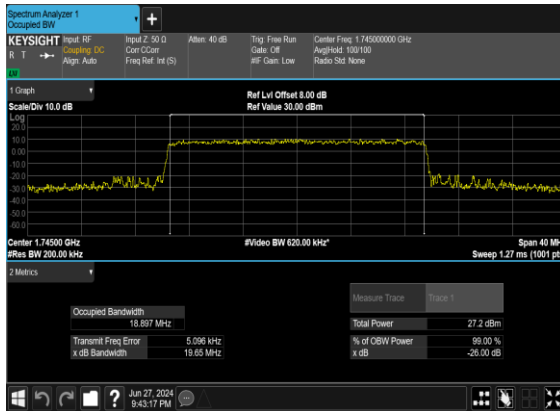
N66(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



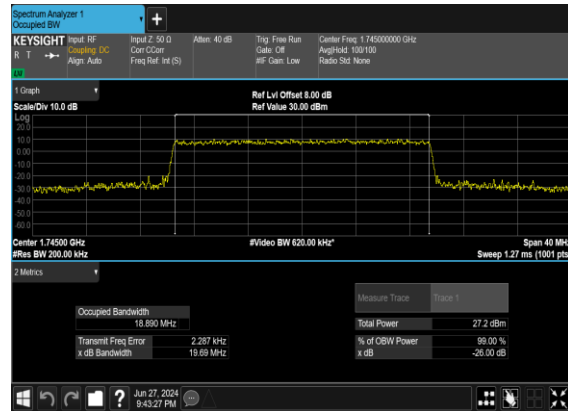
N66(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



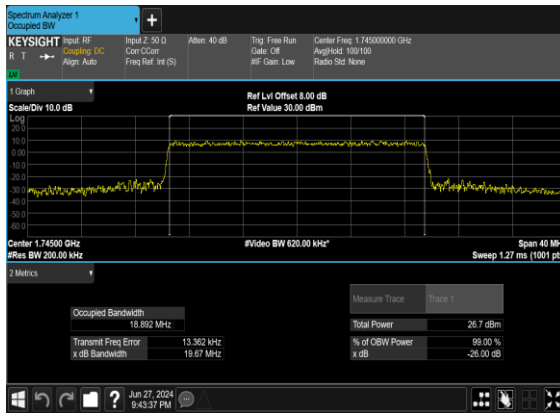
N66(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



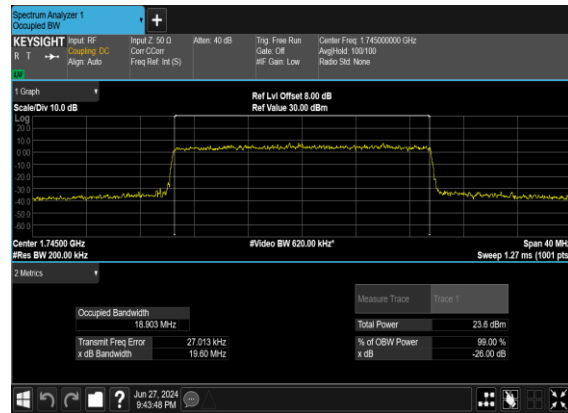
N66(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



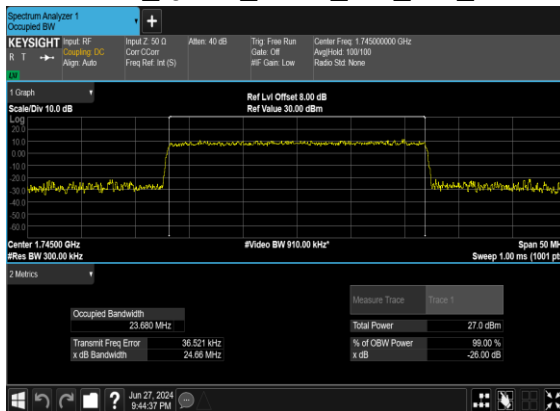
N66(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



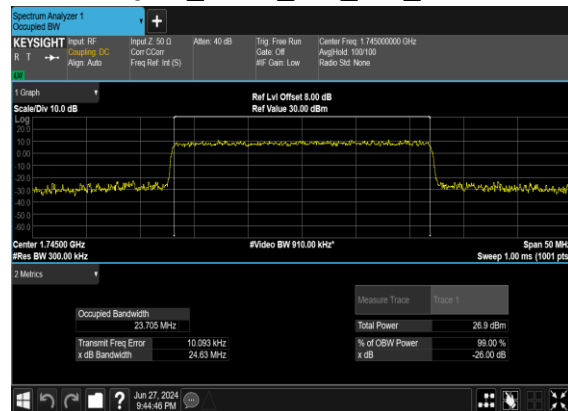
N66(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



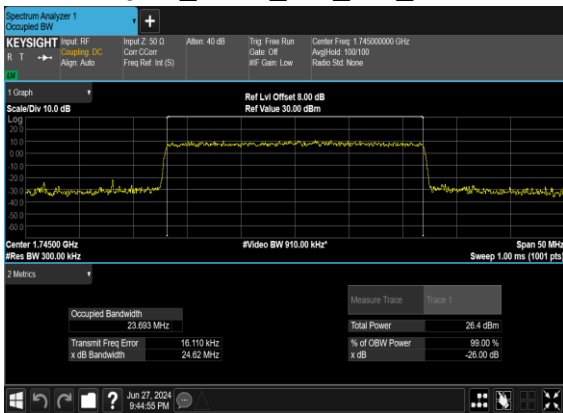
N66(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



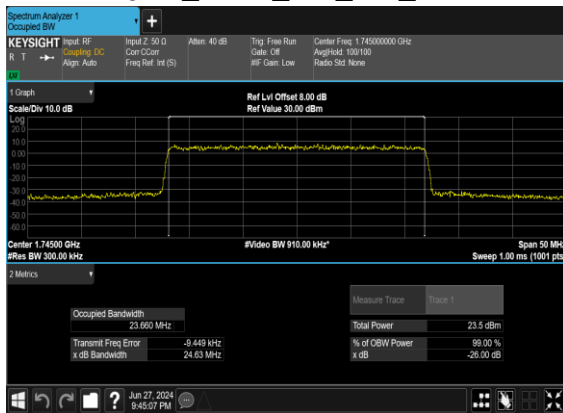
N66(25M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



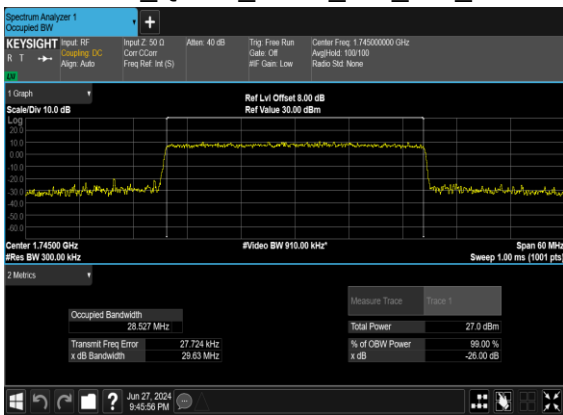
N66(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



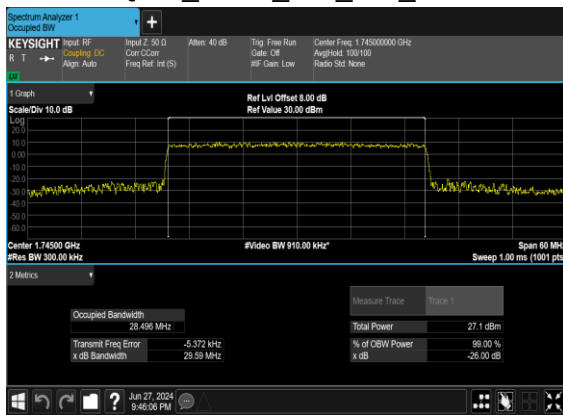
N66(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



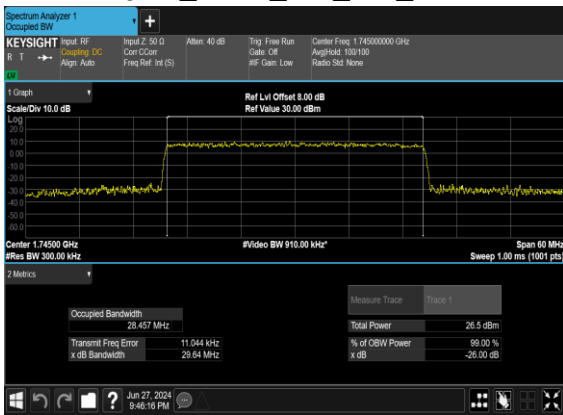
N66(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



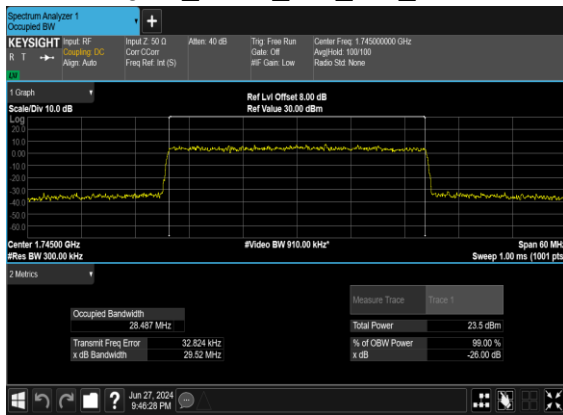
N66(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



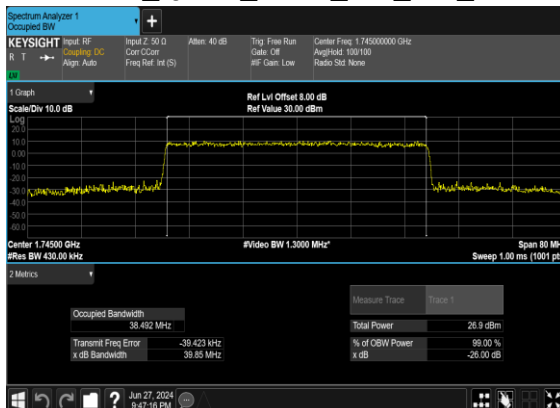
N66(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



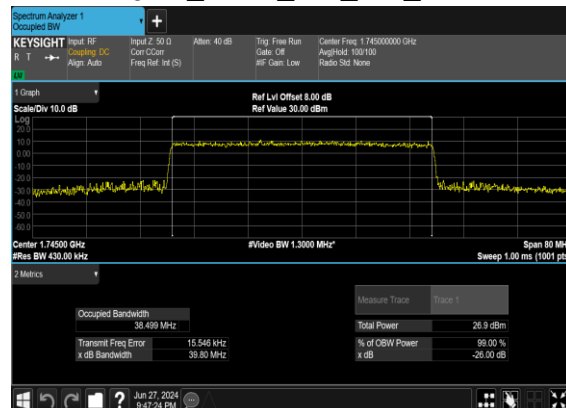
N66(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



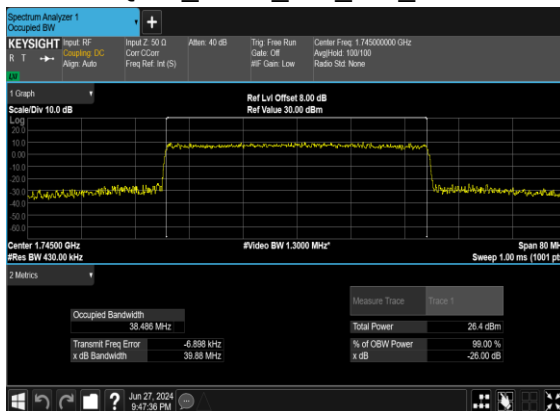
N66(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



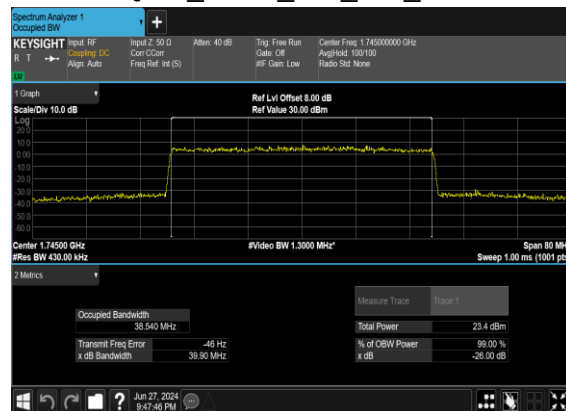
N66(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N66(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



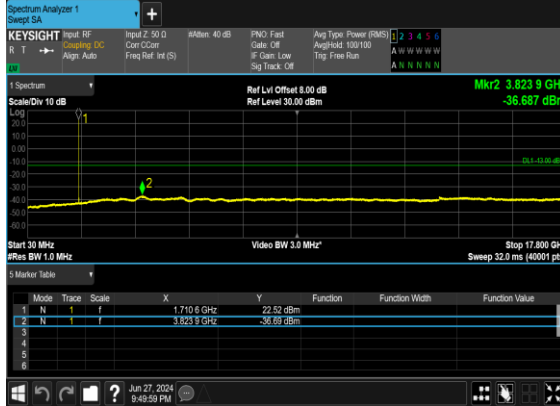
N66(40M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



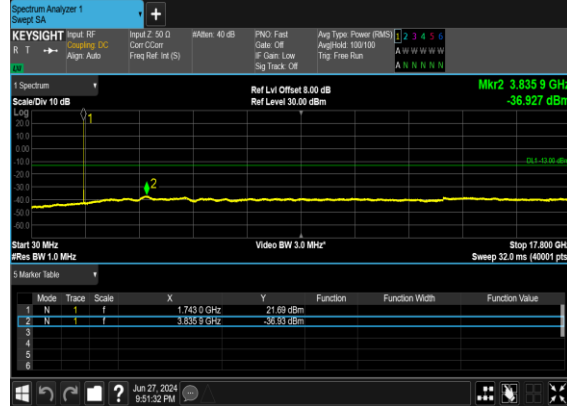
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

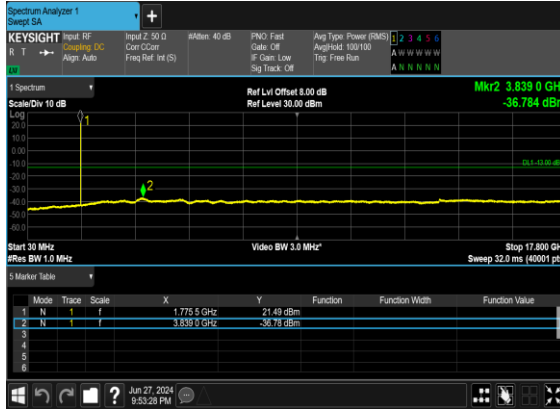
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



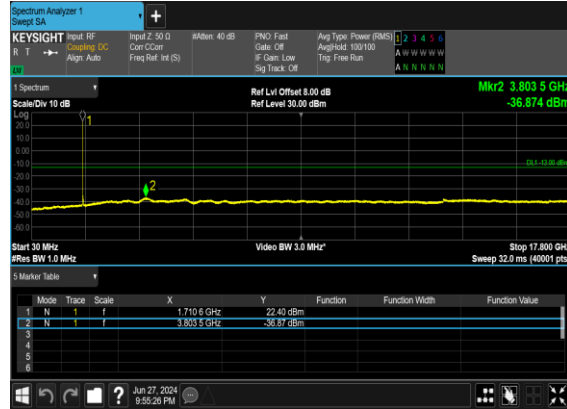
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



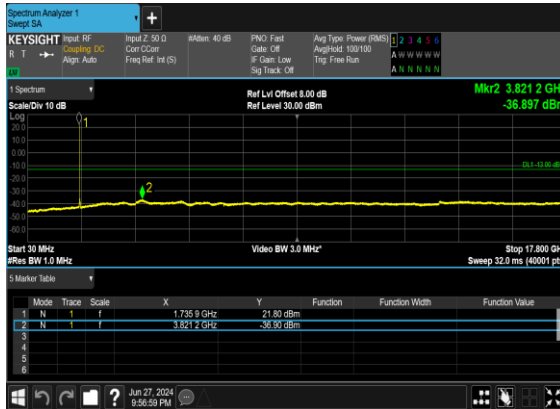
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



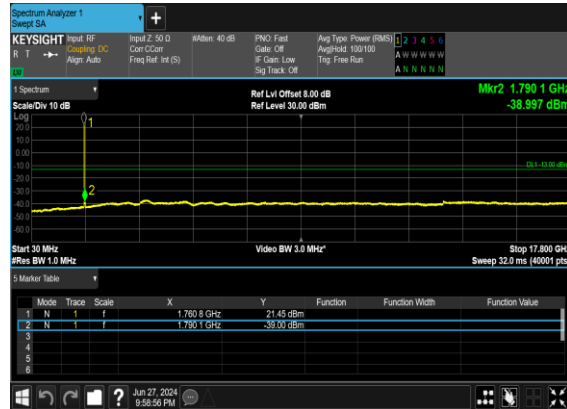
N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



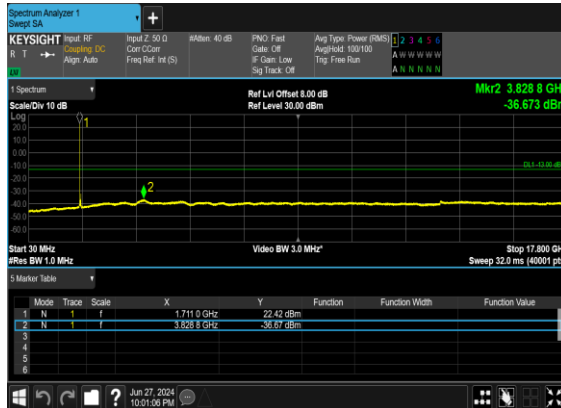
N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



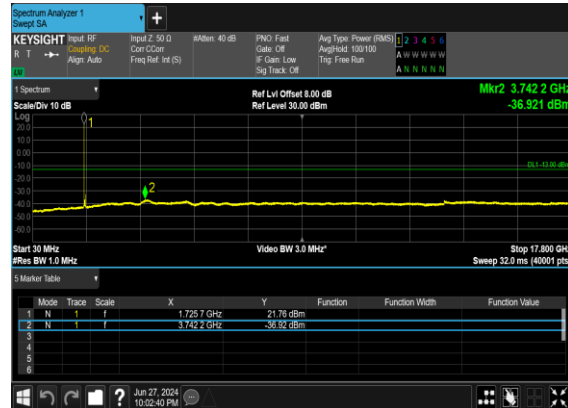
N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



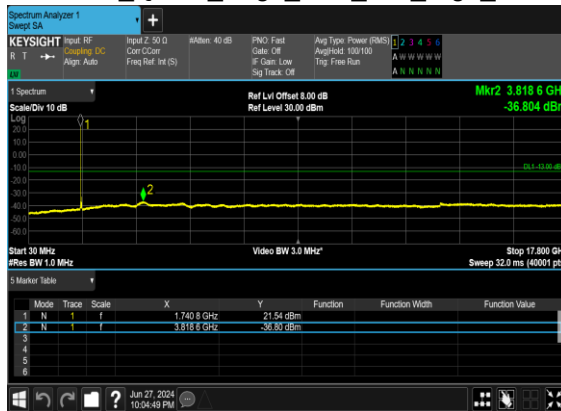
N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



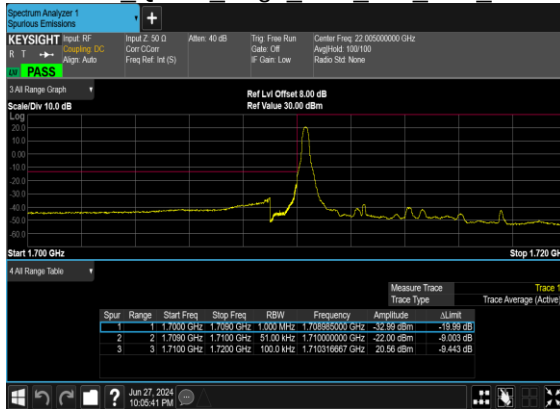
N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



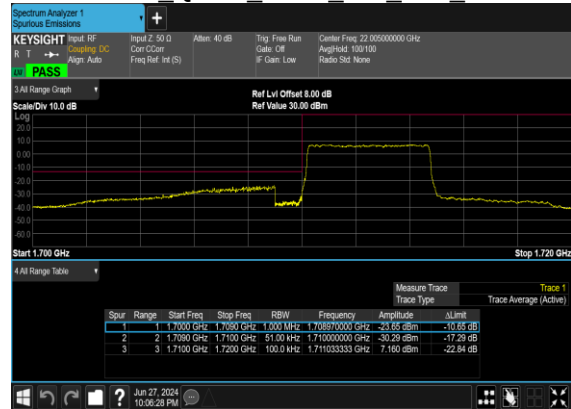
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	216@0	see graph	PASS

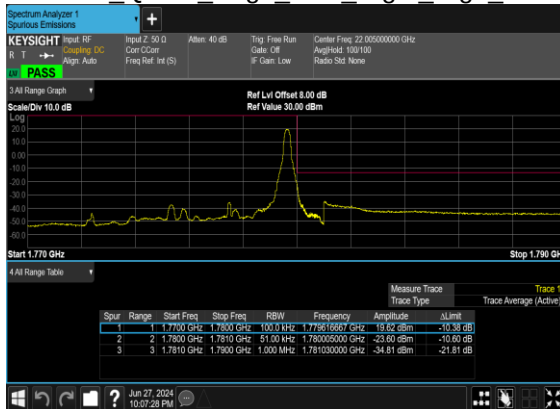
N66(5M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



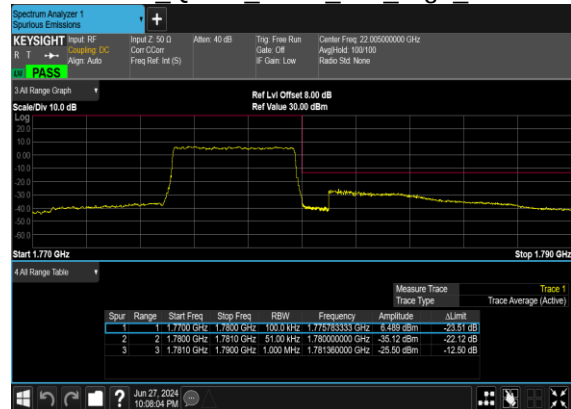
N66(5M)_DFT-s-
OFDM QPSK Outer Full Low CH



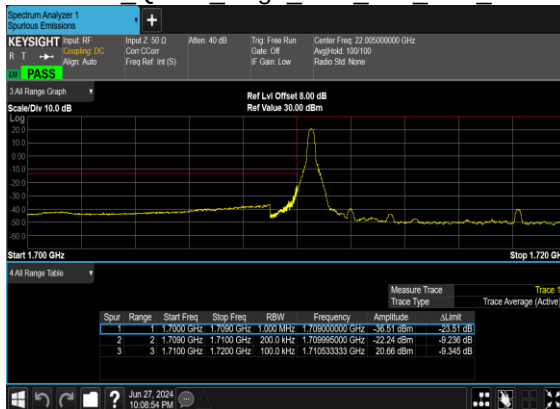
N66(5M)_DFT-s-
OFDM QPSK Edge 1RB Right High CH



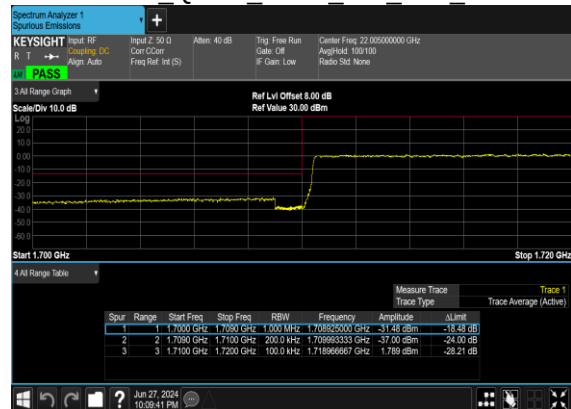
N66(5M)_DFT-s-
OFDM QPSK Outer Full High CH



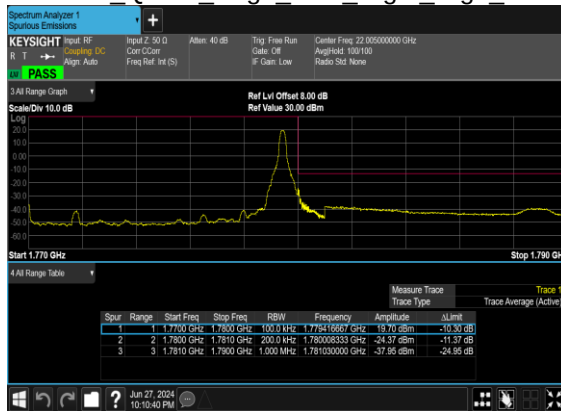
N66(20M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



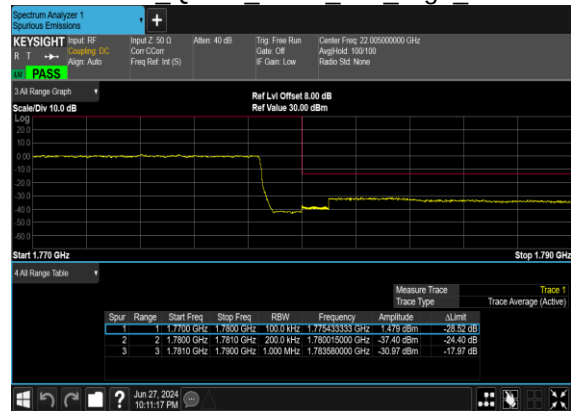
N66(20M)_DFT-s-
OFDM QPSK Outer Full Low CH



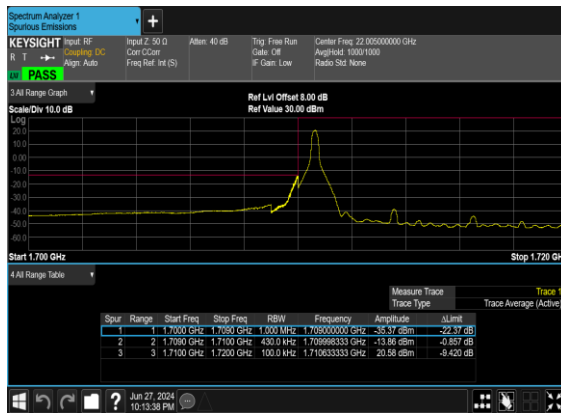
N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



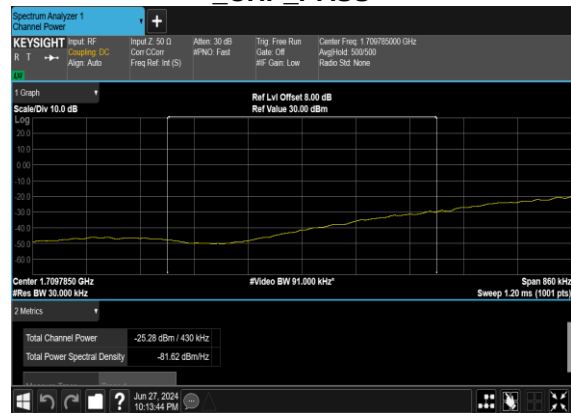
N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



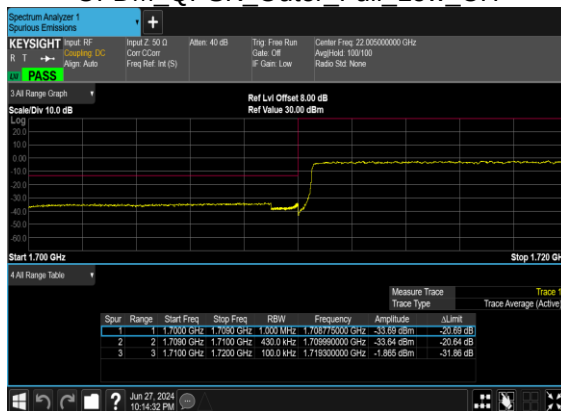
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



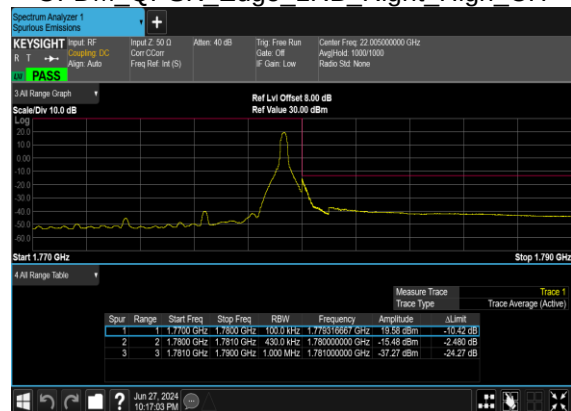
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH
CHP_PASS



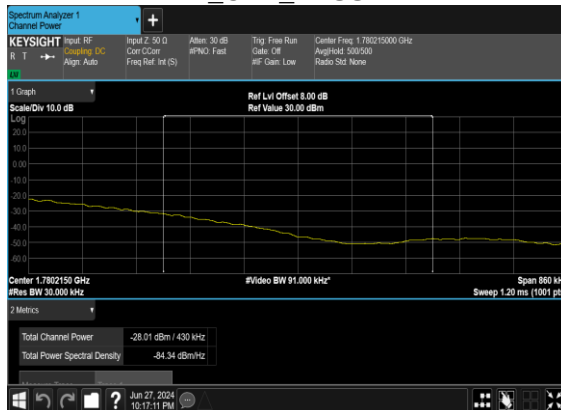
N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



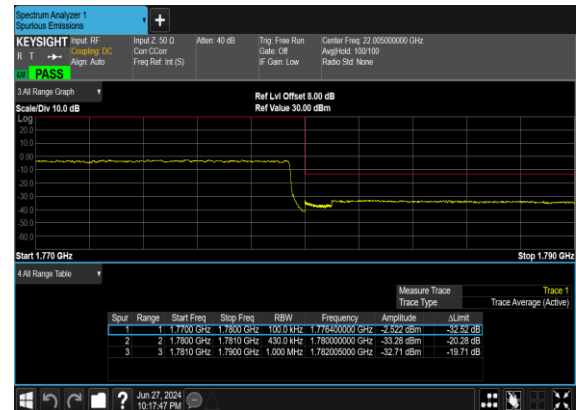
N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH
_CHP_PASS



N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	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.

n5 SA / NR 20MHz / 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)
Middle	1654.5	-65.02	-13	-52.02	-77.15	-68.27	4.00	9.40	H
	2481.75	-55.11	-13	-42.11	-74.36	-58.68	4.88	10.60	H
	3309	-58.98	-13	-45.98	-80.13	-63.91	5.52	12.60	H
	1654.5	-63.85	-13	-50.85	-76.62	-67.10	4.00	9.40	V
	2481.75	-56.03	-13	-43.03	-75.60	-59.60	4.88	10.60	V
	3309	-57.66	-13	-44.66	-79.51	-62.59	5.52	12.60	V

EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / 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 n5 Middle	1654.5	-62.42	-13	-49.42	-74.55	-65.67	4.00	9.40	H
	2481.75	-61.72	-13	-48.72	-80.97	-65.29	4.88	10.60	H
	3309	-60.24	-13	-47.24	-81.39	-65.17	5.52	12.60	H
	1654.5	-62.32	-13	-49.32	-75.09	-65.57	4.00	9.40	V
	2481.75	-60.01	-13	-47.01	-79.58	-63.58	4.88	10.60	V
	3309	-57.84	-13	-44.84	-79.69	-62.77	5.52	12.60	V
LTE Band7 Middle	5061.18	-57.03	-25	-32.03	-81.10	-62.59	7.14	12.70	H
	7591.77	-54.78	-25	-29.78	-81.41	-58.08	8.30	11.60	H
	10122.36	-51.97	-25	-26.97	-82.93	-53.49	10.48	12.00	H
	5061.18	-55.75	-25	-30.75	-81.03	-61.31	7.14	12.70	V
	7591.77	-55.01	-25	-30.01	-81.64	-58.31	8.30	11.60	V
	10122.36	-50.83	-25	-25.83	-82.84	-52.35	10.48	12.00	V



n66 SA / NR 40MHz / QPSK(ANT5)									
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	3452.5	-58.55	-13	-45.55	-80.00	-65.40	5.65	12.50	H
	5178.74	-51.54	-13	-38.54	-76.30	-57.21	7.13	12.80	H
	6905	-54.83	-13	-41.83	-81.04	-58.23	8.40	11.80	H
	3452.5	-58.16	-13	-45.16	-80.55	-65.01	5.65	12.50	V
	5178.74	-50.08	-13	-37.08	-75.23	-55.75	7.13	12.80	V
	6905	-53.42	-13	-40.42	-80.91	-56.82	8.40	11.80	V

EN-DC_7A_n66A / LTE 10MHz + NR 40MHz / QPSK (ANT4+5)									
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	3452.5	-59.03	-13	-46.03	-80.48	-65.88	5.65	12.50	H
	5178.74	-50.09	-13	-37.09	-74.85	-55.76	7.13	12.80	H
	6905	-55.06	-13	-42.06	-81.27	-58.46	8.40	11.80	H
	3452.5	-58.13	-13	-45.13	-80.52	-64.98	5.65	12.50	V
	5178.74	-45.35	-13	-32.35	-70.5	-51.02	7.13	12.80	V
	6905	-53.58	-13	-40.58	-81.07	-56.98	8.40	11.80	V
LTE Band7 Middle	5061.18	-56.87	-25	-31.87	-80.94	-62.43	7.14	12.70	H
	7591.77	-54.77	-25	-29.77	-81.40	-58.07	8.30	11.60	H
	10122.36	-52.11	-25	-27.11	-83.07	-53.63	10.48	12.00	H
	5061.18	-55.63	-25	-30.63	-80.91	-61.19	7.14	12.70	V
	7591.77	-54.86	-25	-29.86	-81.49	-58.16	8.30	11.60	V
	10122.36	-50.63	-25	-25.63	-82.64	-52.15	10.48	12.00	V

n7 SA / NR 50MHz / 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	5025.00	-57.35	-25	-32.35	-81.21	-62.91	7.14	12.70	H
	7537.50	-54.51	-25	-29.51	-81.33	-57.81	8.30	11.60	H
	10050.00	-52.53	-25	-27.53	-83.38	-54.05	10.48	12.00	H
	5025.00	-55.61	-25	-30.61	-80.92	-61.17	7.14	12.70	V
	7537.50	-51.43	-25	-26.43	-78.24	-54.73	8.30	11.60	V
	10050.00	-51.89	-25	-26.89	-83.5	-53.41	10.48	12.00	V



EN-DC_7A_n7A / LTE 10MHz + NR 50MHz / QPSK (ANT4+1)									
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 Middle	5025.00	-57.86	-25	-32.86	-81.72	-63.42	7.14	12.70	H
	7537.50	-54.88	-25	-29.88	-81.70	-58.18	8.30	11.60	H
	10050.00	-52.66	-25	-27.66	-83.51	-54.18	10.48	12.00	H
	5025.00	-56.16	-25	-31.16	-81.47	-61.72	7.14	12.70	V
	7537.50	-54.81	-25	-29.81	-81.62	-58.11	8.30	11.60	V
	10050.00	-52.00	-25	-27.00	-83.61	-53.52	10.48	12.00	V
LTE Band7 Middle	5061.18	-56.85	-25	-31.85	-80.92	-62.41	7.14	12.70	H
	7591.77	-55.04	-25	-30.04	-81.67	-58.34	8.30	11.60	H
	10122.36	-52.13	-25	-27.13	-83.09	-53.65	10.48	12.00	H
	5061.18	-55.97	-25	-30.97	-81.25	-61.53	7.14	12.70	V
	7591.77	-54.86	-25	-29.86	-81.49	-58.16	8.30	11.60	V
	10122.36	-51.07	-25	-26.07	-83.08	-52.59	10.48	12.00	V

n41 SA / NR 100MHz / QPSK(ANT5)									
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	5089.00	-53.62	-25	-28.62	-77.90	-59.18	7.14	12.70	H
	7633.50	-47.74	-25	-22.74	-74.28	-51.04	8.30	11.60	H
	10178.00	-52.51	-25	-27.51	-83.53	-54.03	10.48	12.00	H
	5089.00	-50.42	-25	-25.42	-75.68	-55.98	7.14	12.70	V
	7633.50	-46.21	-25	-21.21	-73.43	-49.51	8.30	11.60	V
	10178.00	-51.17	-25	-26.17	-83.41	-52.69	10.48	12.00	V

EN-DC_41A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT4+5)									
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	5089.00	-57.40	-25	-32.40	-81.68	-62.96	7.14	12.70	H
	7633.50	-55.30	-25	-30.30	-81.84	-58.60	8.30	11.60	H
	10178.00	-52.46	-25	-27.46	-83.48	-53.98	10.48	12.00	H
	5089.00	-55.99	-25	-30.99	-81.25	-61.55	7.14	12.70	V
	7633.50	-54.04	-25	-29.04	-81.26	-57.34	8.30	11.60	V
	10178.00	-51.19	-25	-26.19	-83.43	-52.71	10.48	12.00	V
LTE Band41 Middle	5177.18	-56.35	-25	-31.35	-81.11	-61.91	7.14	12.70	H
	7765.77	-55.10	-25	-30.10	-81.29	-58.40	8.30	11.60	H
	10354.36	-51.66	-25	-26.66	-82.88	-53.18	10.48	12.00	H
	5177.18	-55.96	-25	-30.96	-81.11	-61.52	7.14	12.70	V
	7765.77	-51.28	-25	-26.28	-80.9	-54.58	8.30	11.60	V
	10354.36	-49.88	-25	-24.88	-82.9	-51.40	10.48	12.00	V

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