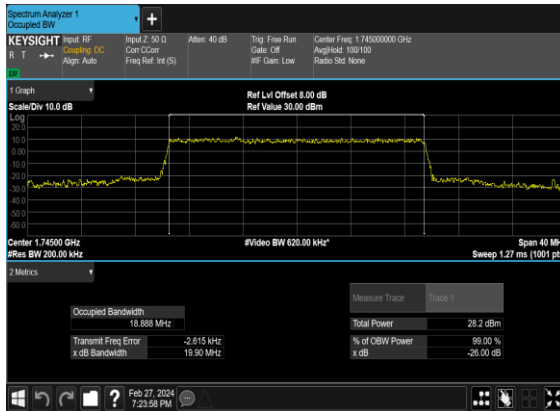
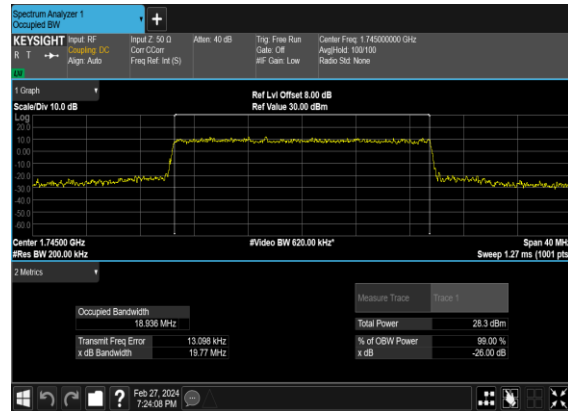


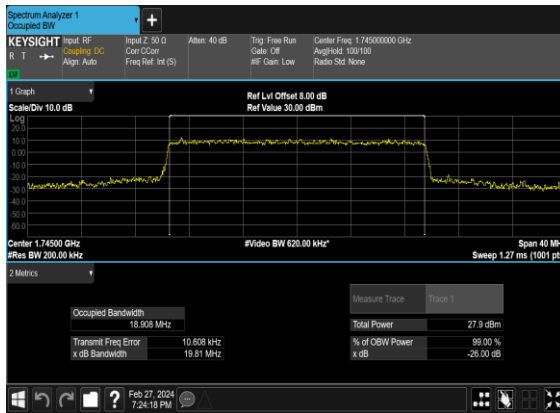
B7_N66(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



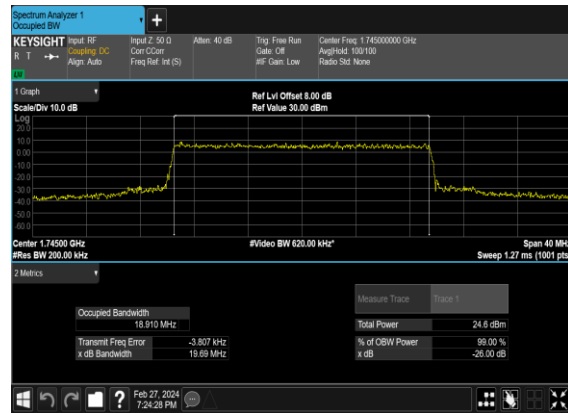
B7_N66(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



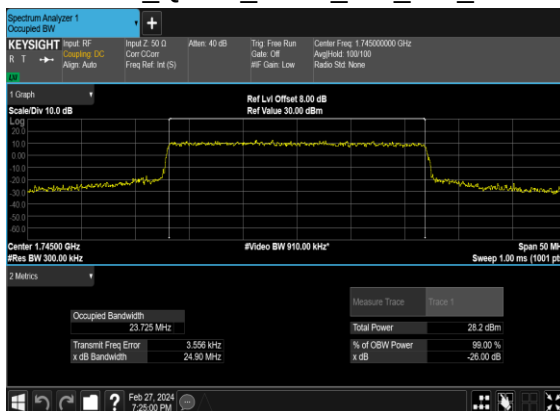
B7_N66(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



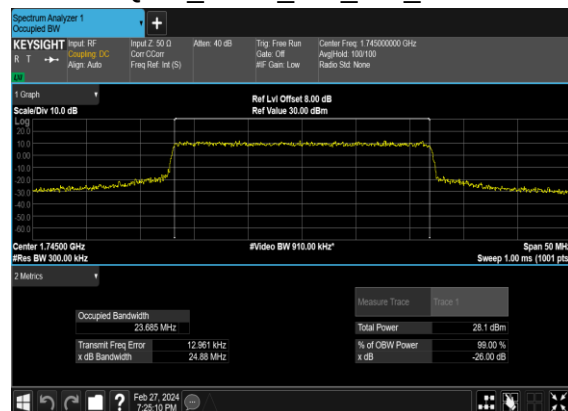
B7_N66(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



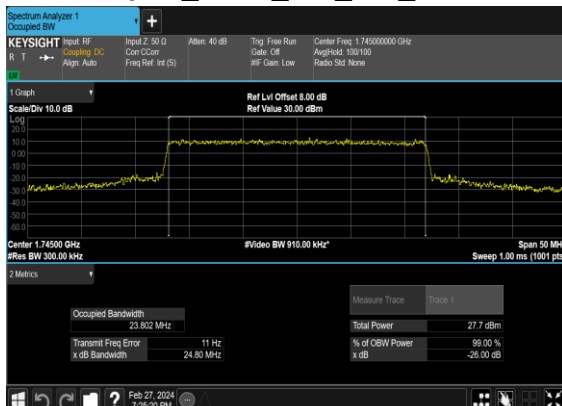
B7_N66(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



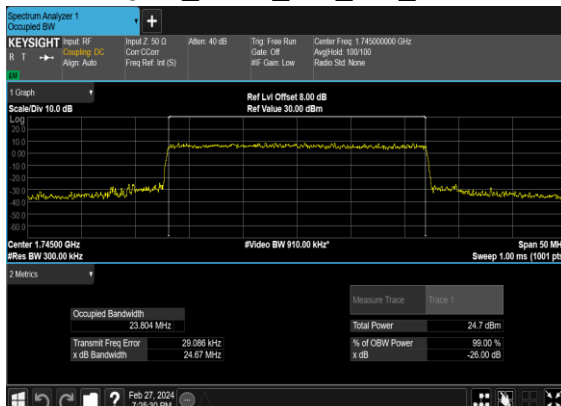
B7_N66(25M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



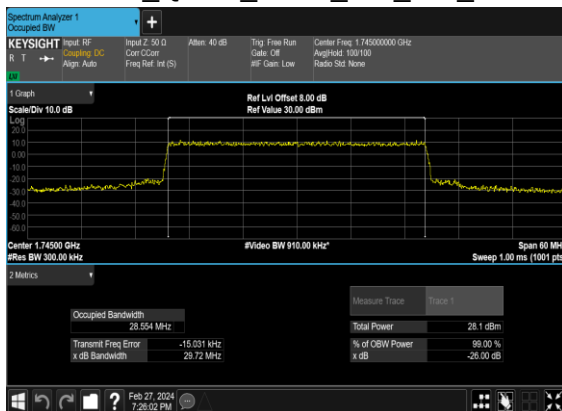
B7_N66(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



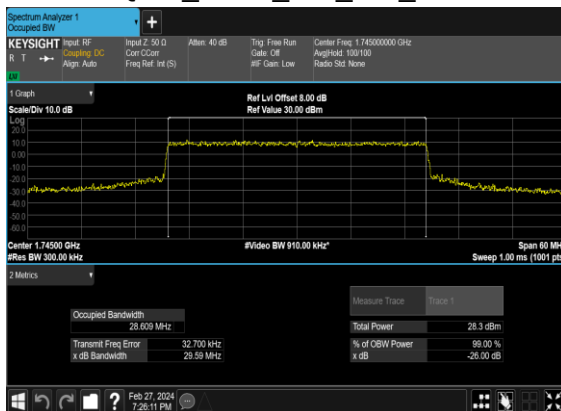
B7_N66(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



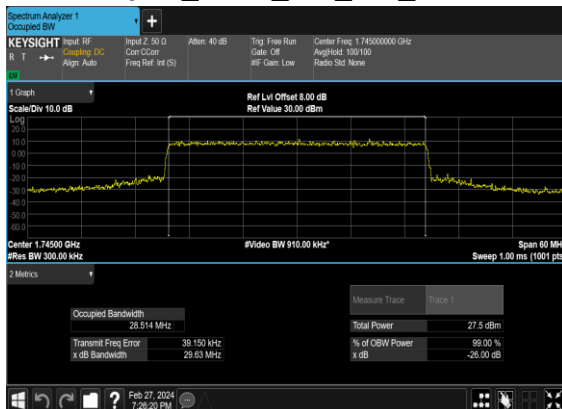
B7_N66(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



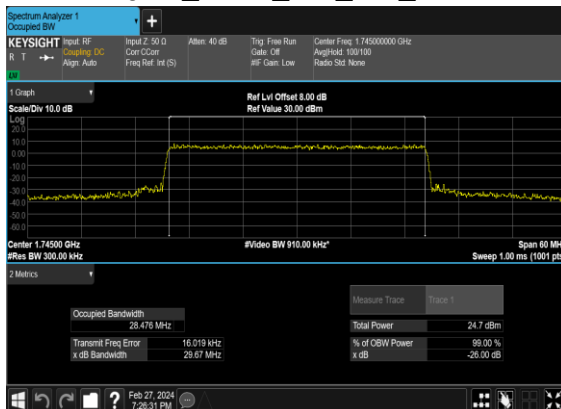
B7_N66(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



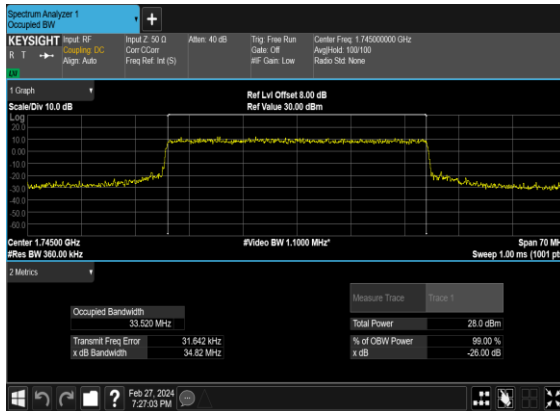
B7_N66(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



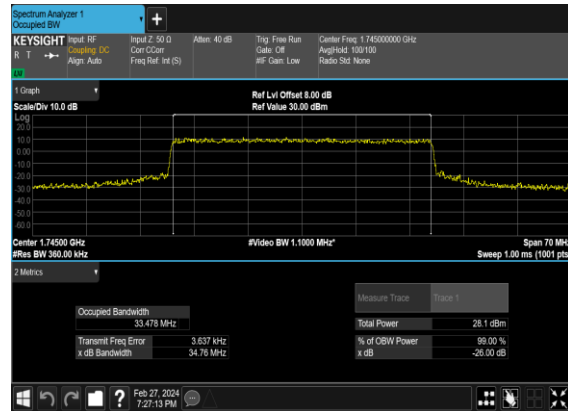
B7_N66(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



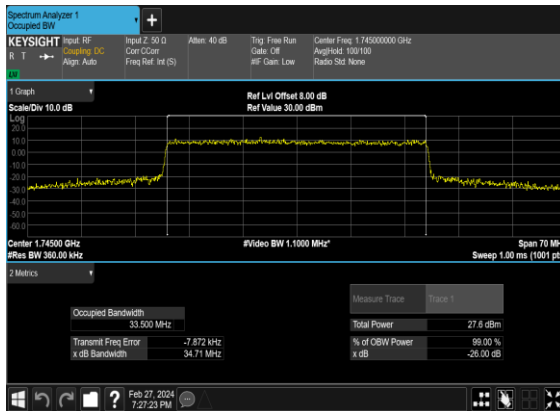
B7_N66(35M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



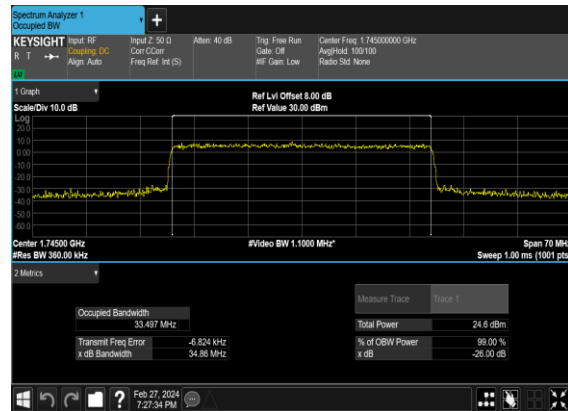
B7_N66(35M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



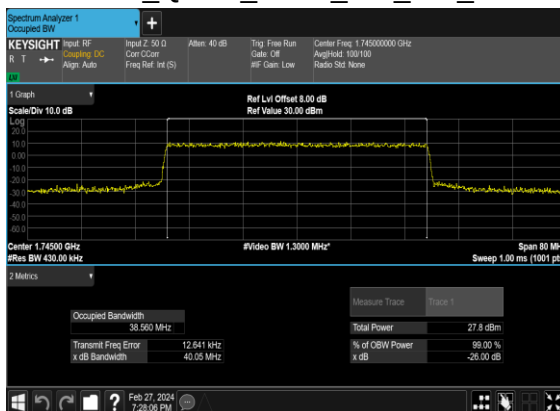
B7_N66(35M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



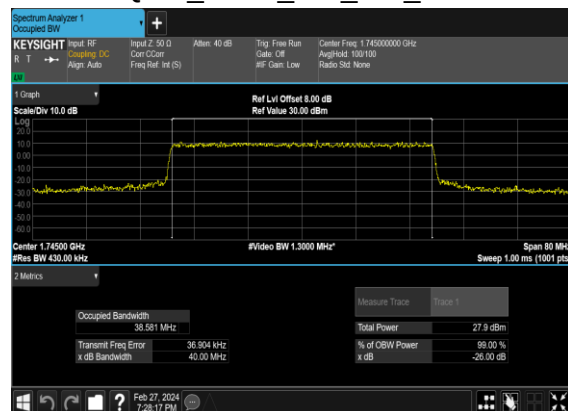
B7_N66(35M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



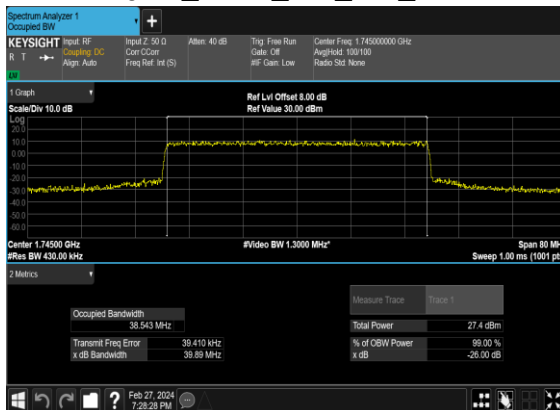
B7_N66(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



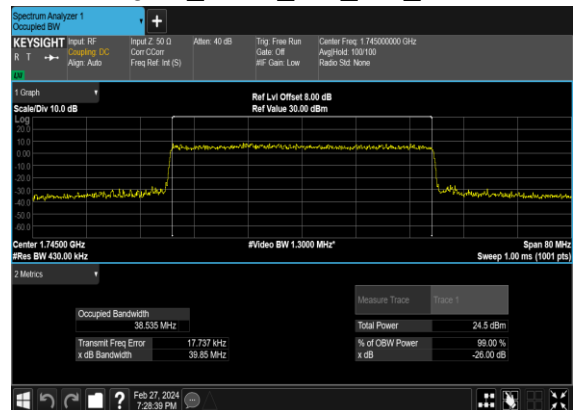
B7_N66(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B7_N66(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B7_N66(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

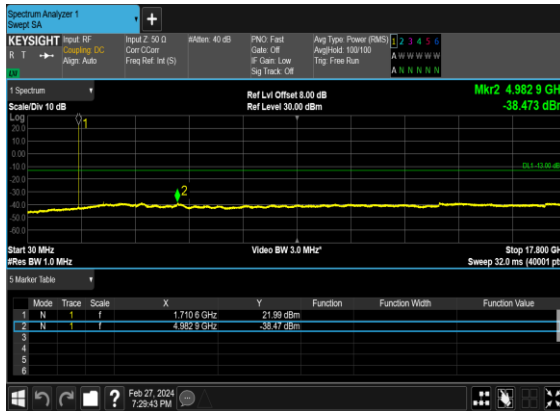


Conducted Spurious Emissions

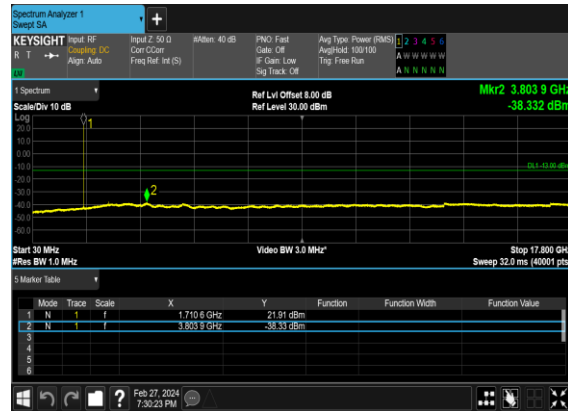
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph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

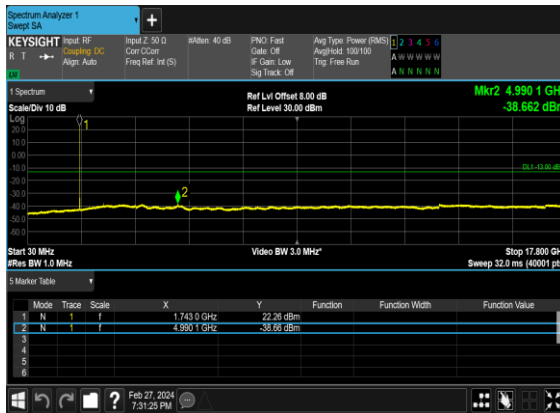
B7_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



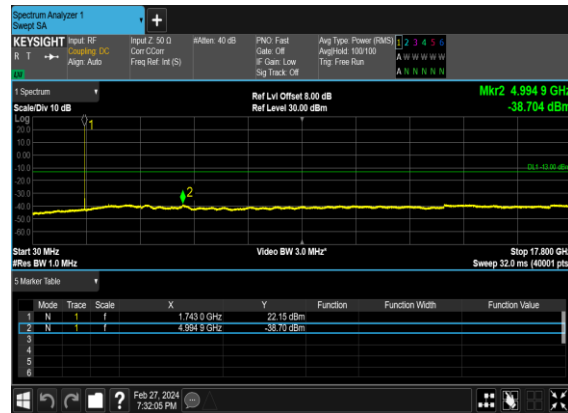
B7_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B7_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



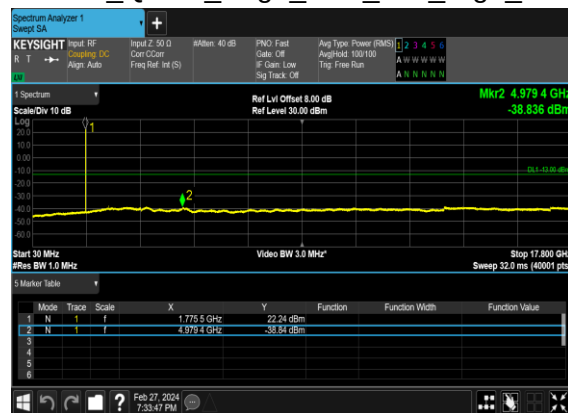
B7_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



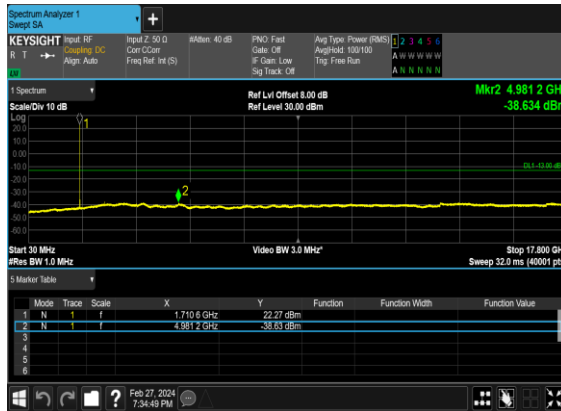
B7_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



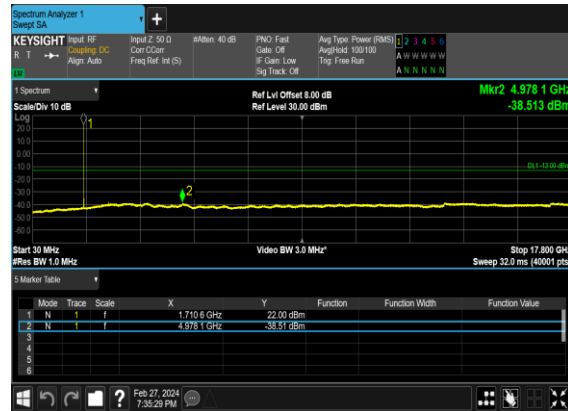
B7_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



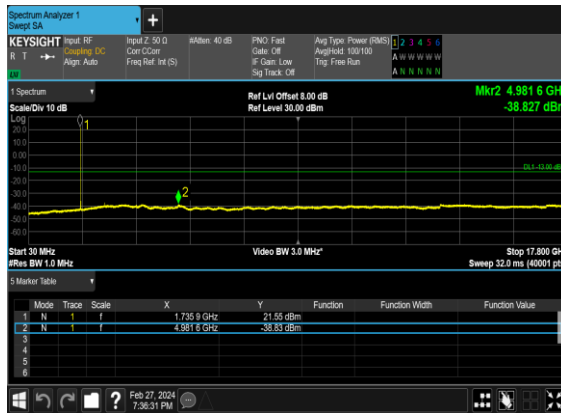
B7_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



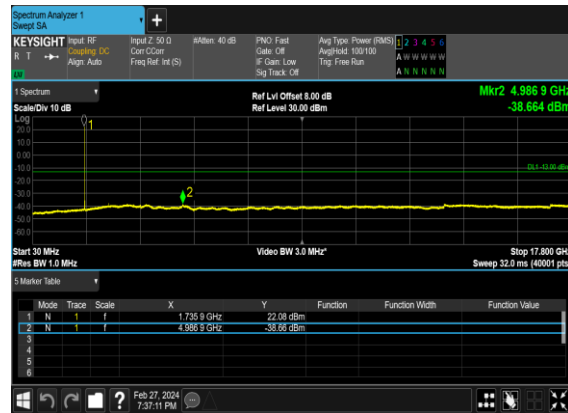
B7_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



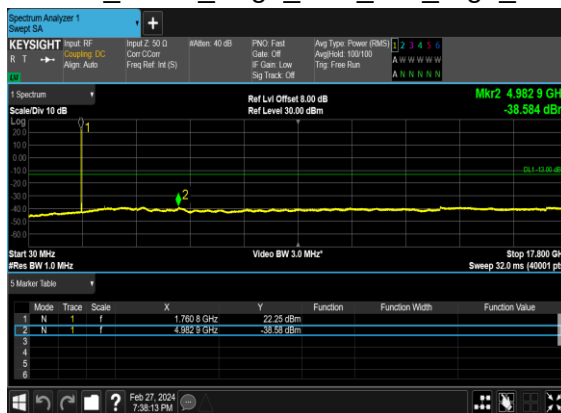
B7_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B7_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



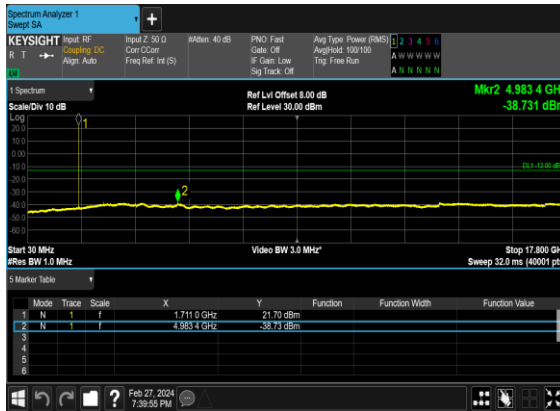
B7_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



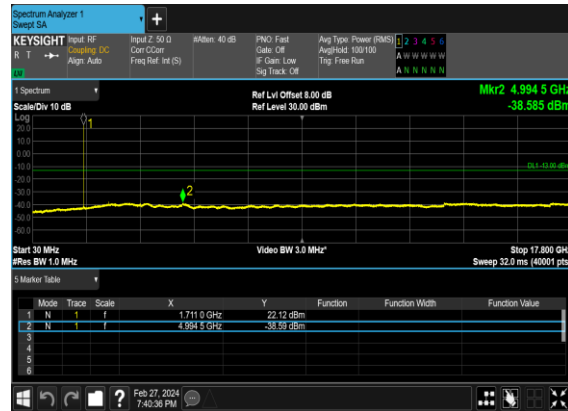
B7_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



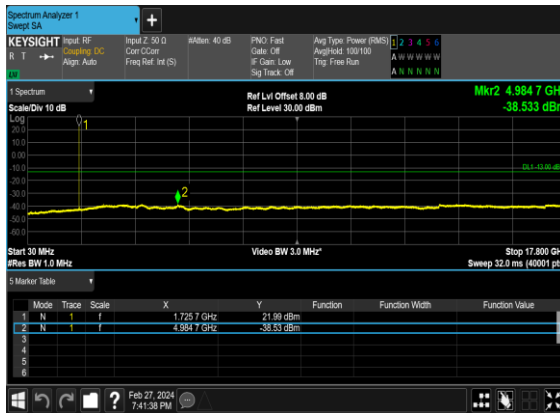
B7_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



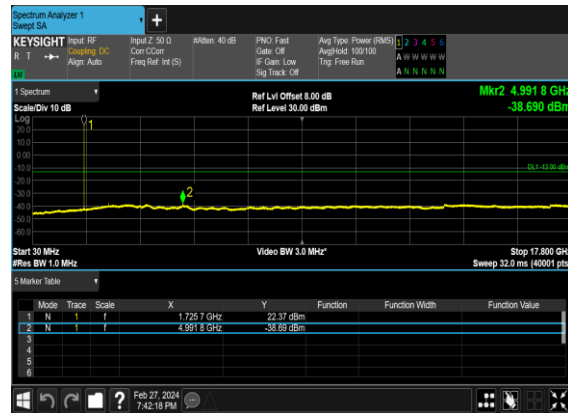
B7_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



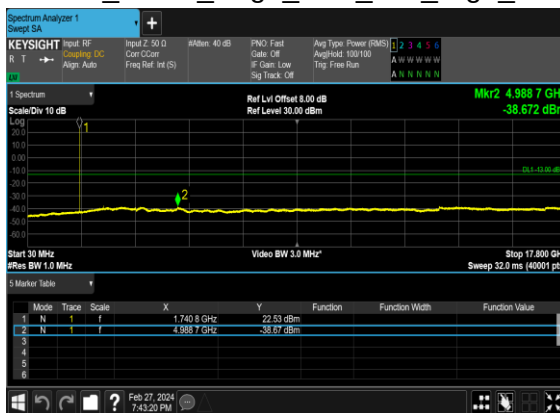
B7_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



B7_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B7_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



B7_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 BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@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 BPSK	1@24	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 BPSK	25@0	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 BPSK	1@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 BPSK	100@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 BPSK	1@105	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 BPSK	100@0	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 BPSK	1@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 BPSK	216@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 BPSK	1@215	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 BPSK	216@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	216@0	see graph	PASS

B7_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



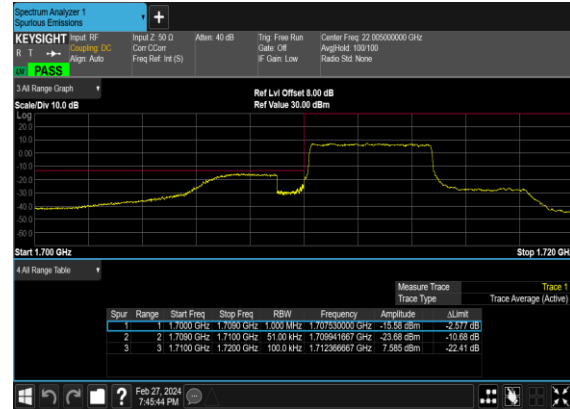
B7_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



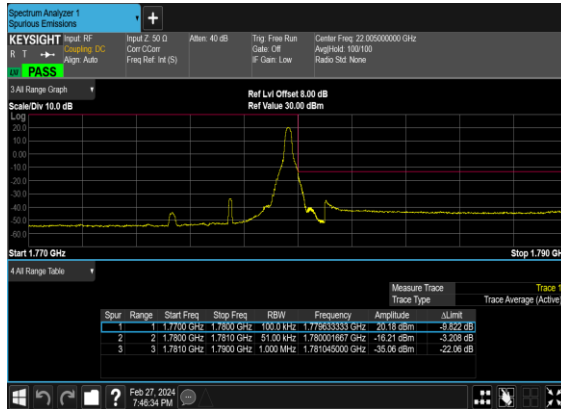
B7_N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



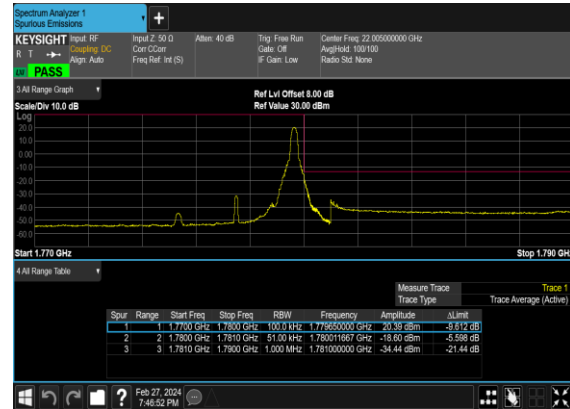
B7_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B7_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



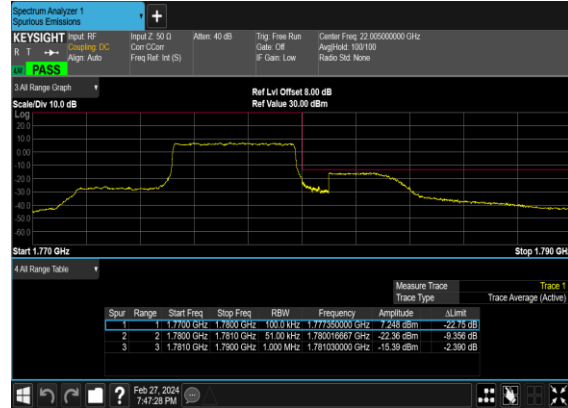
B7_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



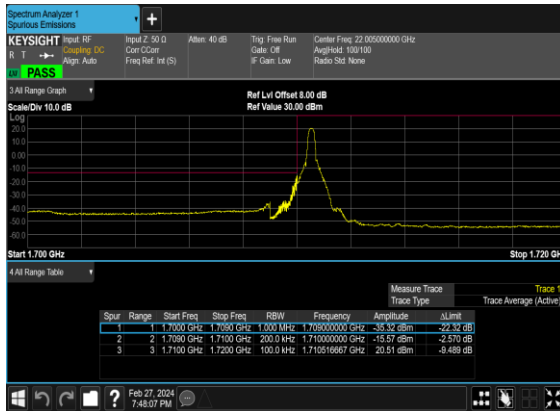
B7_N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



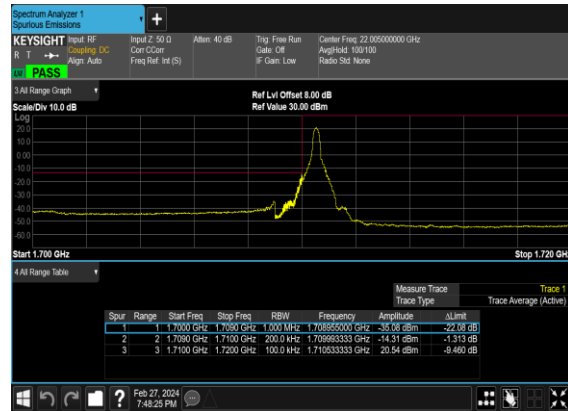
B7_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



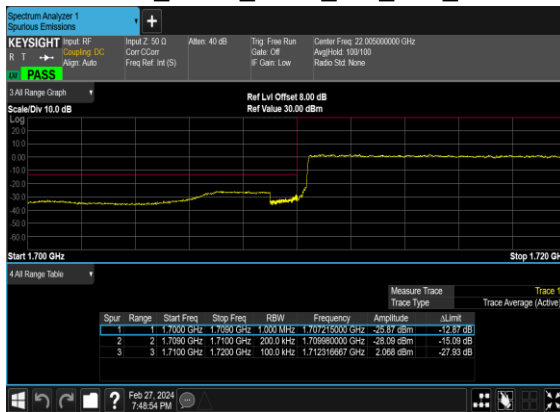
B7_N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



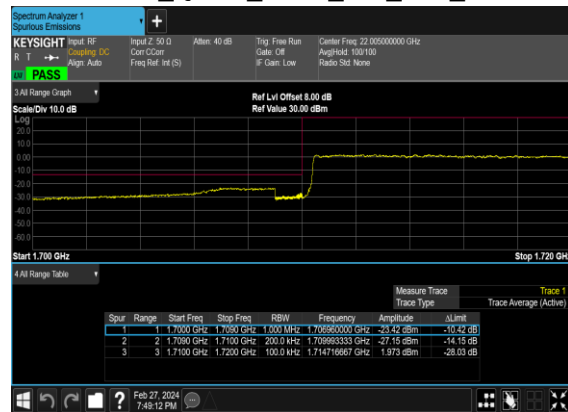
B7_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



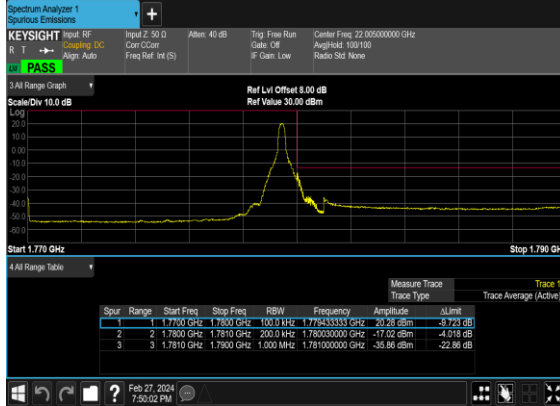
B7_N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



B7_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



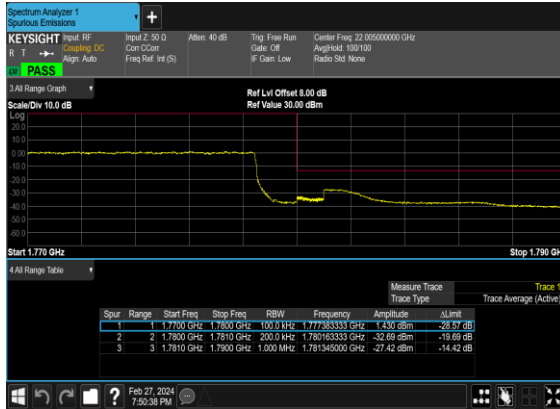
B7_N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B7_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



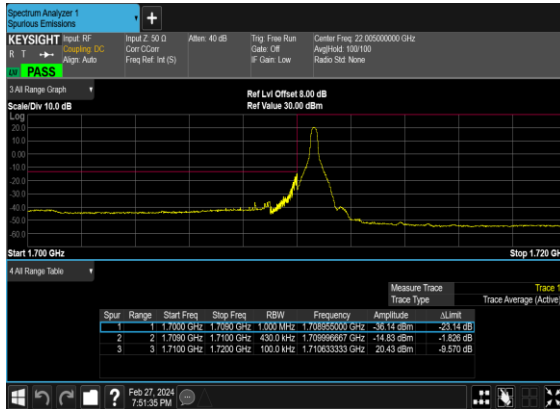
B7_N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



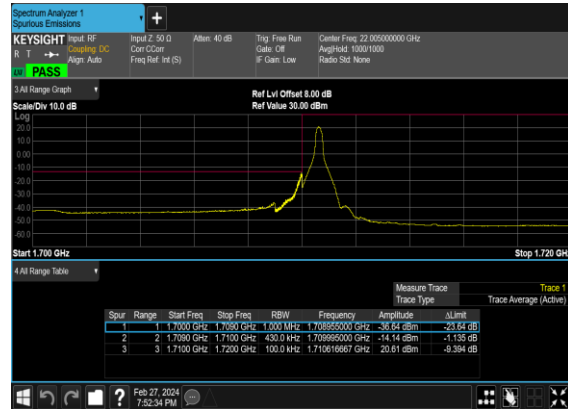
B7_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



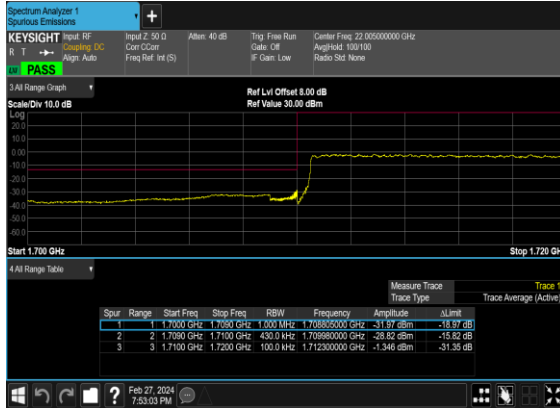
B7_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



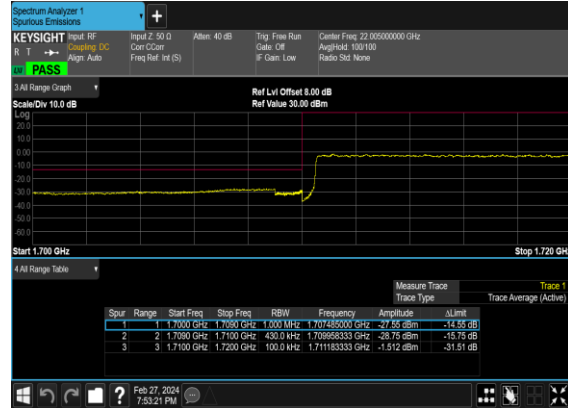
B7_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



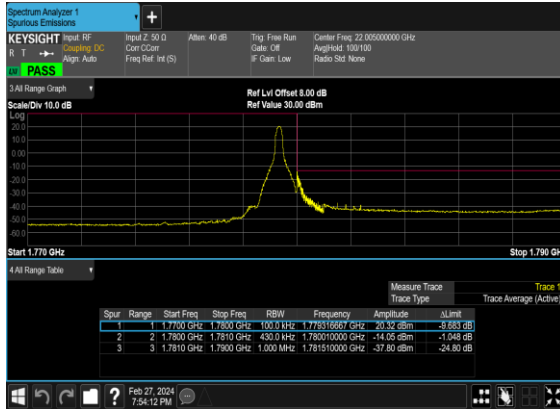
B7_N66(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



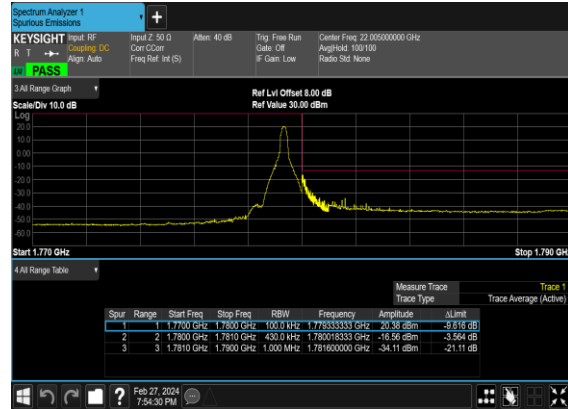
B7_N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



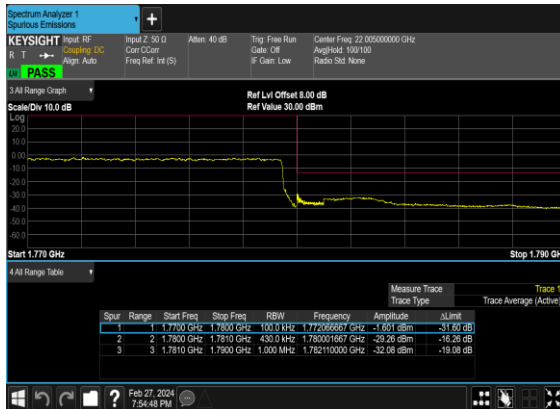
B7_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



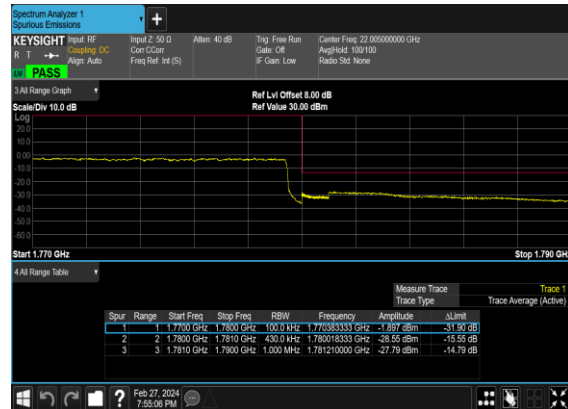
B7_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B7_N66(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B7_N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jack zhou	Temperature :	23~25°C
		Relative Humidity :	41~42%

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

n2 SA / NR 40MHz / QPSK(ANT2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3720	-53.60	-13	-40.60	-65.86	2.64	14.90	H
	5580	-50.43	-13	-37.43	-62.29	2.94	14.80	H
	7455	-53.12	-13	-40.12	-62.89	3.39	13.16	H
	3720	-54.77	-13	-41.77	-67.03	2.64	14.90	V
	5580	-49.88	-13	-36.88	-61.74	2.94	14.80	V
	7455	-53.23	-13	-40.23	-63.00	3.39	13.16	V

EN-DC_66A_n2A / LTE 10MHz + NR 40MHz / QPSK (ANT1+2) – other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3720	-54.01	-13	-41.01	-66.27	2.64	14.90	H
	5580	-54.54	-13	-41.54	-66.40	2.94	14.80	H
	7455	-52.95	-13	-39.95	-62.72	3.39	13.16	H
	3720	-54.77	-13	-41.77	-67.03	2.64	14.90	V
	5580	-54.30	-13	-41.30	-66.16	2.94	14.80	V
	7455	-52.93	-13	-39.93	-62.70	3.39	13.16	V

n5 SA / NR 20MHz / QPSK(ANT1)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-52.11	-13	-39.11	-59.08	1.58	10.70	H
	2480	-39.28	-13	-26.28	-47.53	2.102	12.50	H
	3312	-61.70	-13	-48.70	-70.59	2.856	13.90	H
	1656	-57.25	-13	-44.25	-64.22	1.58	10.70	V
	2480	-44.51	-13	-31.51	-52.76	2.10	12.50	V
	3312	-61.62	-13	-48.62	-70.51	2.86	13.90	V



EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT3+1)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-65.76	-13	-52.76	-72.73	1.58	10.70	H
	2480	-52.55	-13	-39.55	-60.80	2.102	12.50	H
	3312	-60.33	-13	-47.33	-69.22	2.856	13.90	H
	1656	-64.78	-13	-51.78	-71.75	1.58	10.70	V
	2480	-56.93	-13	-43.93	-65.18	2.10	12.50	V
	3312	-60.08	-13	-47.08	-68.97	2.86	13.90	V

n26 SA / NR 20MHz / QPSK(ANT1)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1648	-66.81	-13	-53.81	-73.78	1.58	10.70	H
	2464	-61.85	-13	-48.85	-70.10	2.102	12.50	H
	3288	-61.49	-13	-48.49	-70.38	2.856	13.90	H
	1648	-66.17	-13	-53.17	-73.14	1.58	10.70	V
	2464	-50.92	-13	-37.92	-59.17	2.10	12.50	V
	3288	-61.51	-13	-48.51	-70.40	2.86	13.90	V

EN-DC_7A_n26A / LTE 20MHz + NR 20MHz / QPSK (ANT3+1)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1648	-66.26	-13	-53.26	-73.23	1.58	10.70	H
	2464	-59.30	-13	-46.30	-67.55	2.102	12.50	H
	3288	-60.01	-13	-47.01	-68.90	2.856	13.90	H
	1648	-65.06	-13	-52.06	-72.03	1.58	10.70	V
	2464	-58.96	-13	-45.96	-67.21	2.10	12.50	V
	3288	-60.08	-13	-47.08	-68.97	2.86	13.90	V

n66 SA / NR 40MHz / QPSK(ANT2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3450	-56.67	-13	-43.67	-67.41	2.604	13.34	H
	5175	-50.56	-13	-37.56	-61.07	3.011	13.52	H
	6915	-54.10	-13	-41.10	-64.30	3.271	13.47	H
	3450	-56.93	-13	-43.93	-67.67	2.604	13.34	V
	5175	-49.08	-13	-36.08	-59.59	3.011	13.52	V
	6915	-53.93	-13	-40.93	-64.13	3.271	13.47	V

EN-DC_5A_n66A / LTE 10MHz + NR 20MHz / QPSK (ANT1+2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3450	-57.96	-13	-44.96	-68.70	2.604	13.34	H
	5175	-53.48	-13	-40.48	-63.99	3.011	13.52	H
	6915	-54.27	-13	-41.27	-64.47	3.271	13.47	H
	3450	-58.22	-13	-45.22	-68.96	2.604	13.34	V
	5175	-53.70	-13	-40.70	-64.21	3.011	13.52	V
	6915	-54.24	-13	-41.24	-64.44	3.271	13.47	V

EN-DC_13A_n66A / LTE 10MHz + NR 20MHz / QPSK (ANT1+2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3450	-57.69	-13	-44.69	-68.43	2.604	13.34	H
	5175	-53.97	-13	-40.97	-64.48	3.011	13.52	H
	6915	-53.87	-13	-40.87	-64.07	3.271	13.47	H
	3450	-58.20	-13	-45.20	-68.94	2.604	13.34	V
	5175	-53.83	-13	-40.83	-64.34	3.011	13.52	V
	6915	-54.12	-13	-41.12	-64.32	3.271	13.47	V

EN-DC_7A_n66A / LTE 20MHz + NR 20MHz / QPSK (ANT1+2) – other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3450	-57.77	-13	-44.77	-68.51	2.604	13.34	H
	5175	-54.04	-13	-41.04	-64.55	3.011	13.52	H
	6915	-54.26	-13	-41.26	-64.46	3.271	13.47	H
	3450	-58.10	-13	-45.10	-68.84	2.604	13.34	V
	5175	-53.89	-13	-40.89	-64.40	3.011	13.52	V
	6915	-54.15	-13	-41.15	-64.35	3.271	13.47	V

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