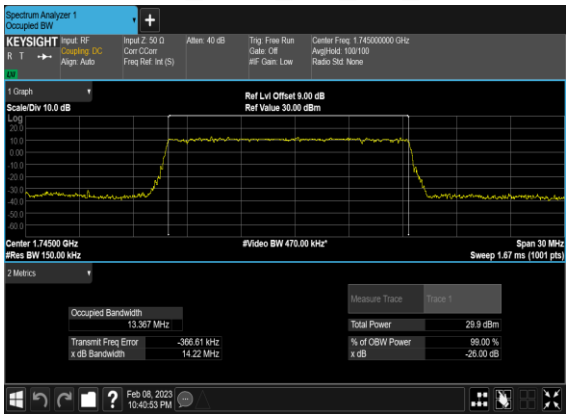
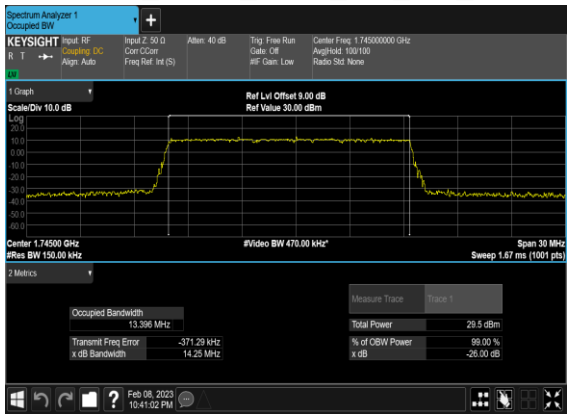
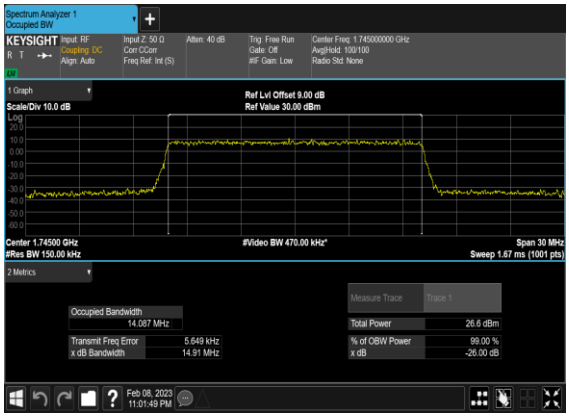
N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



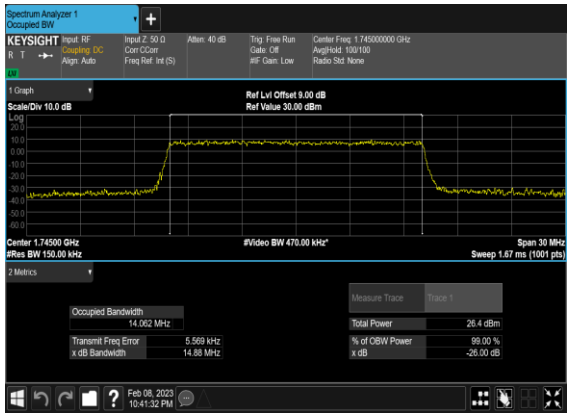
N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



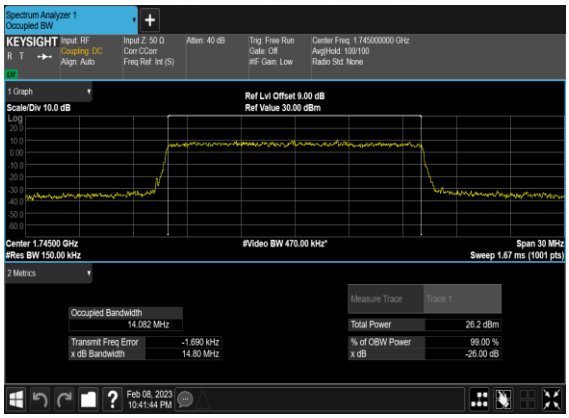
N66(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N66(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

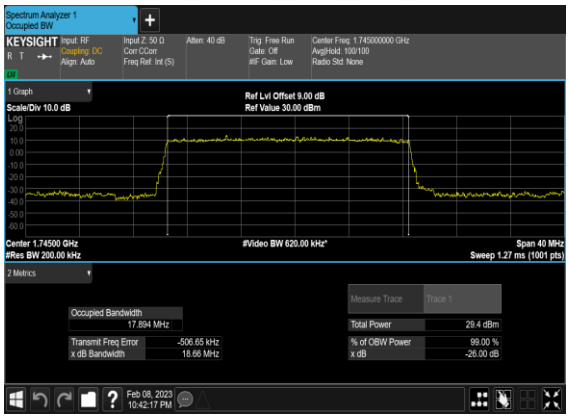


N66(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

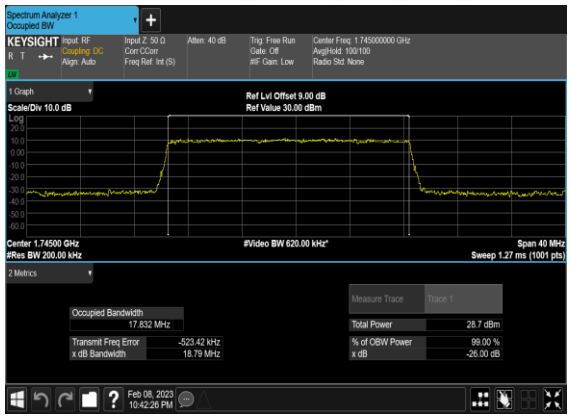


N66(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

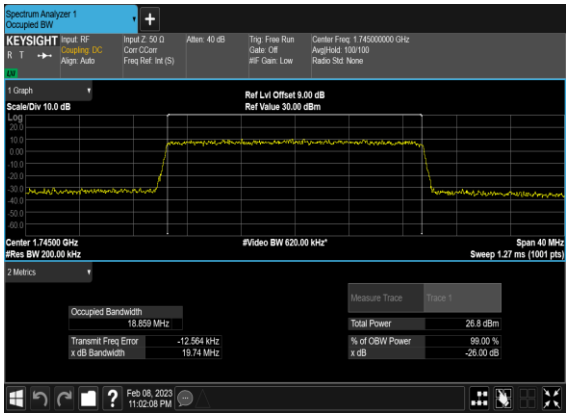
N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



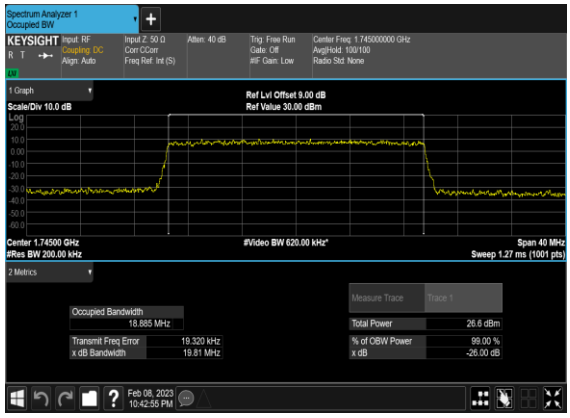
N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



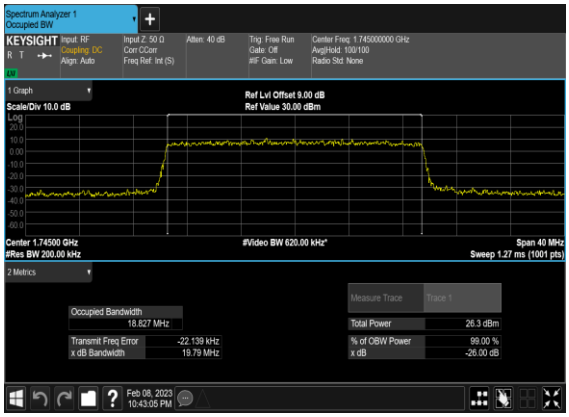
N66(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



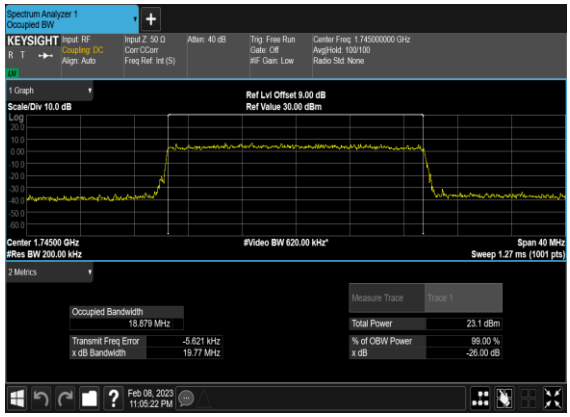
N66(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



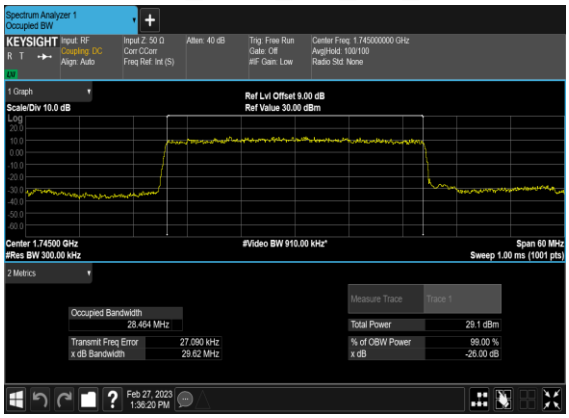
N66(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



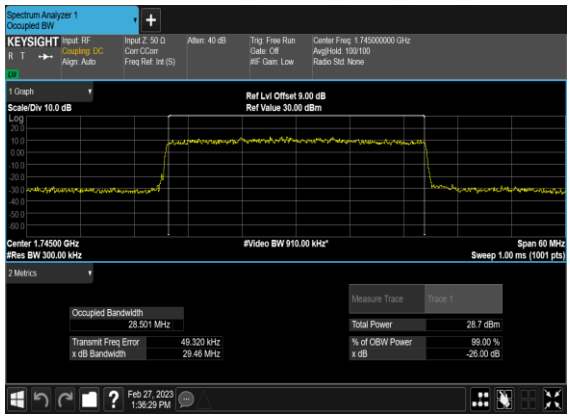
N66(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



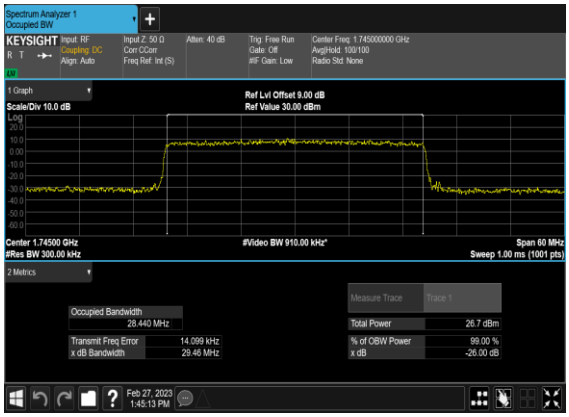
N66(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



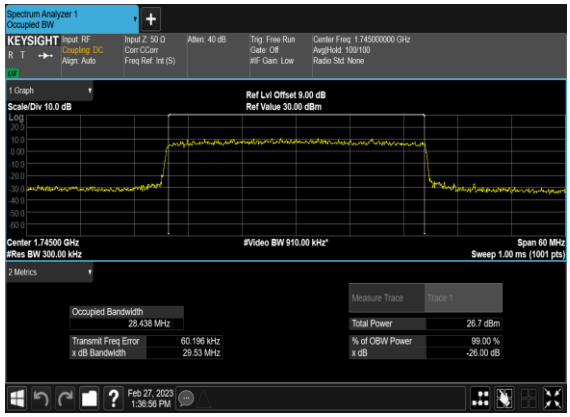
N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N66(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

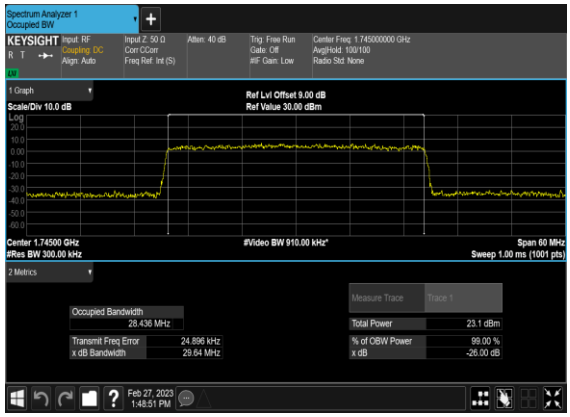


N66(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N66(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N66(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

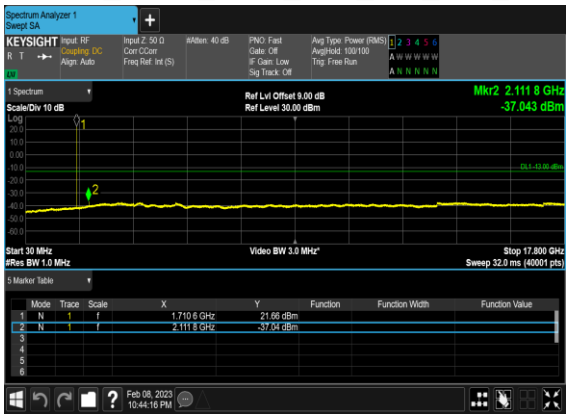


Conducted Spurious Emissions

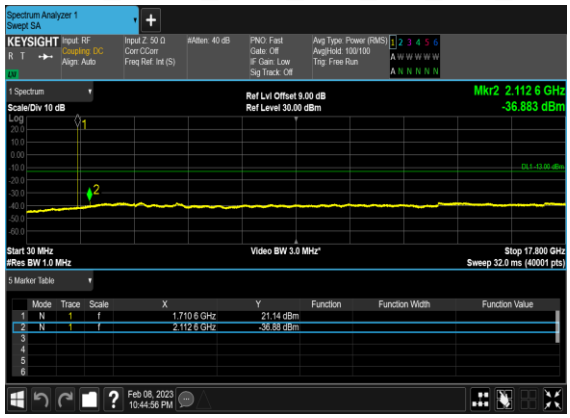
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	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	15	343500	1717.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	15	343500	1717.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	15	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	15	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	15	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	15	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	15	354500	1772.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	15	354500	1772.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	30	345000	1725.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	30	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	30	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	30	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	30	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

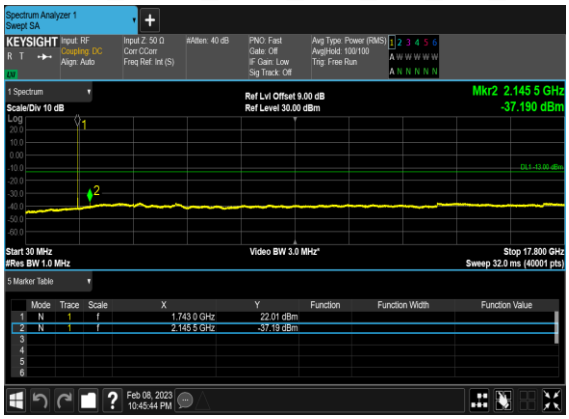
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



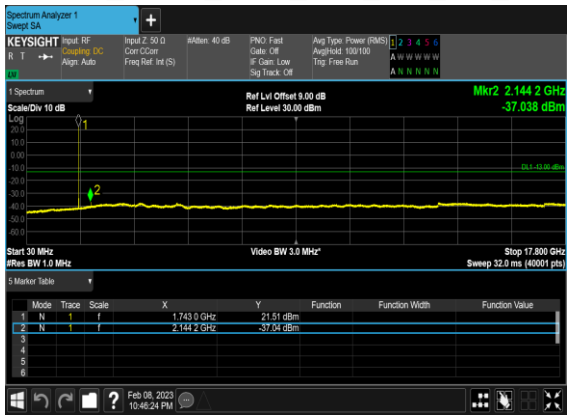
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



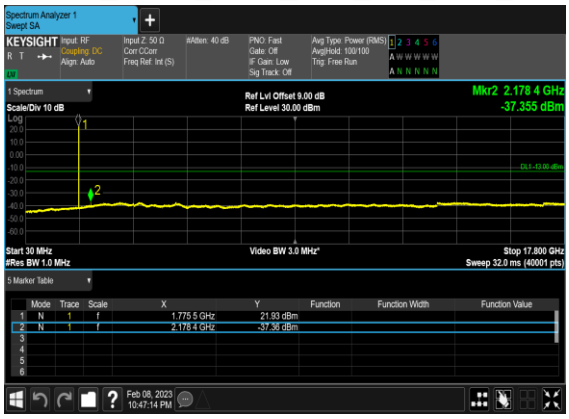
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



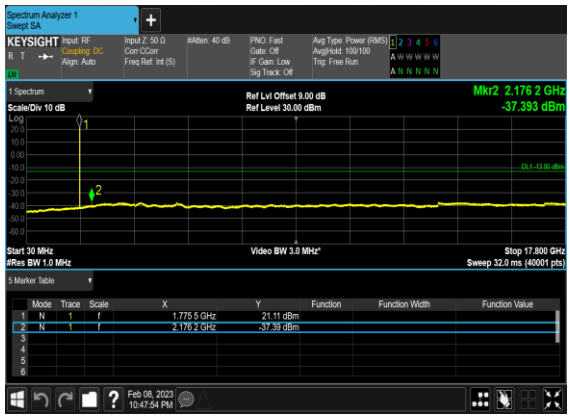
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



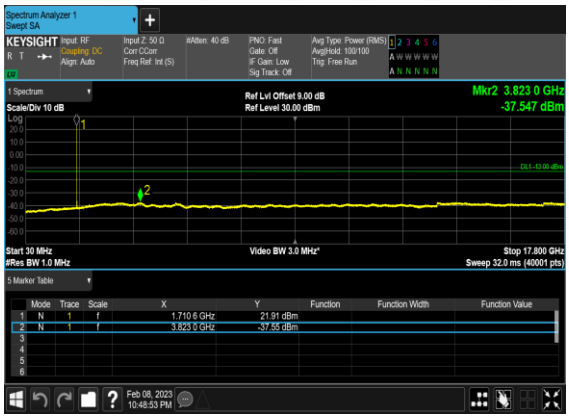
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



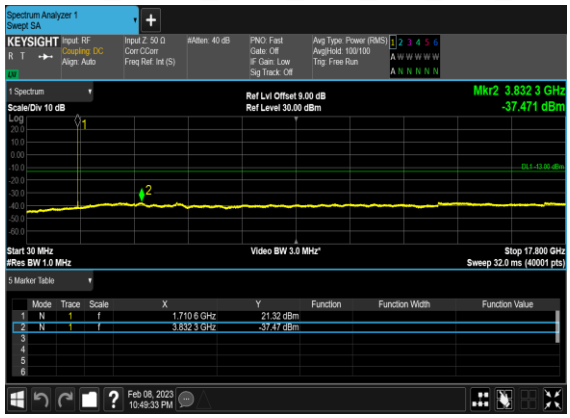
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



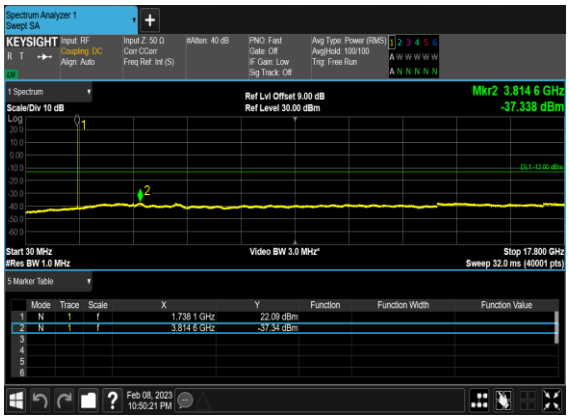
N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



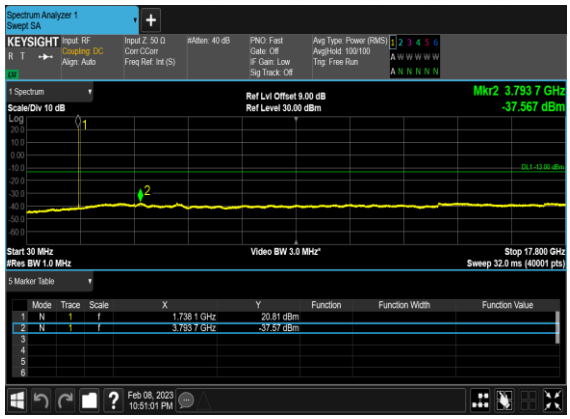
N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



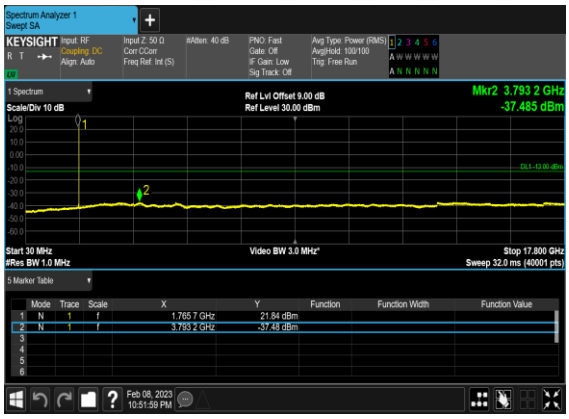
N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



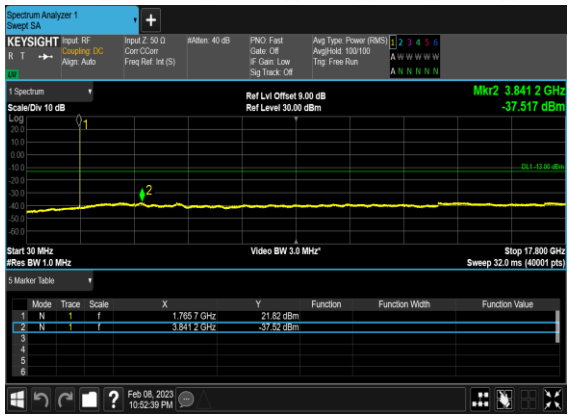
N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



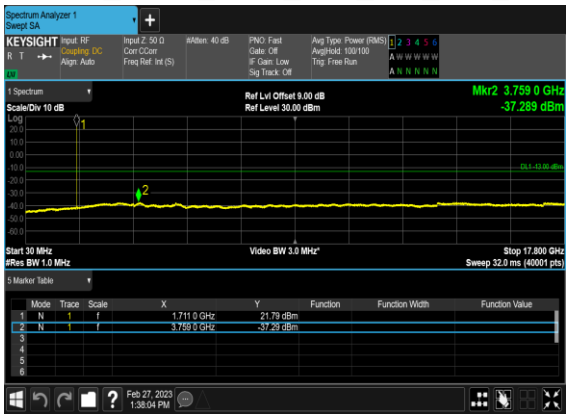
N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



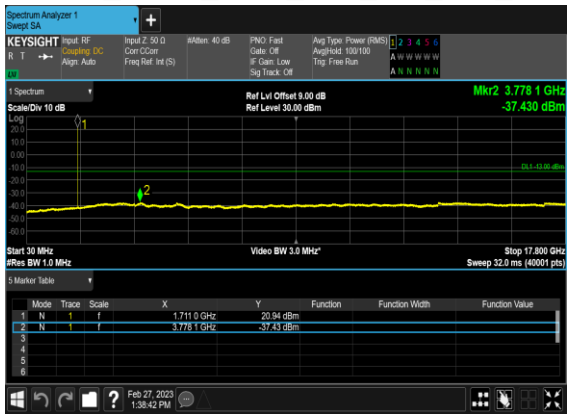
N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



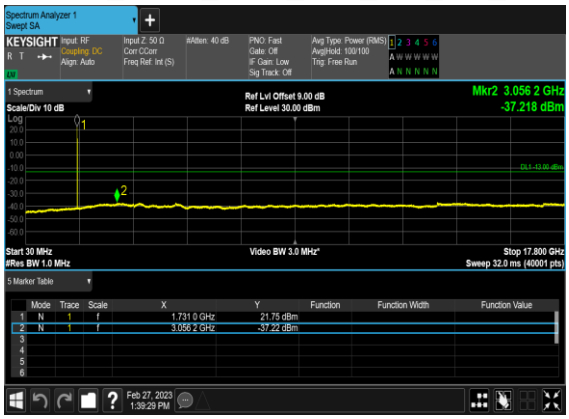
N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



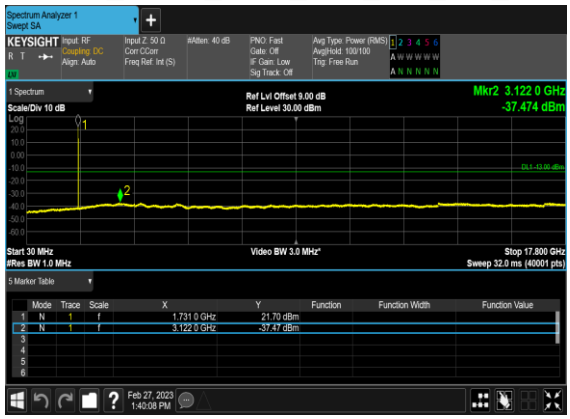
N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



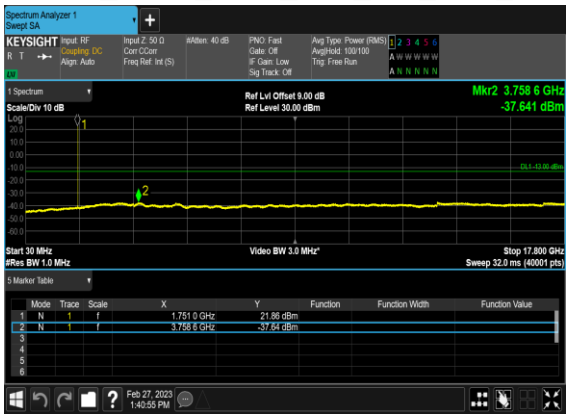
N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



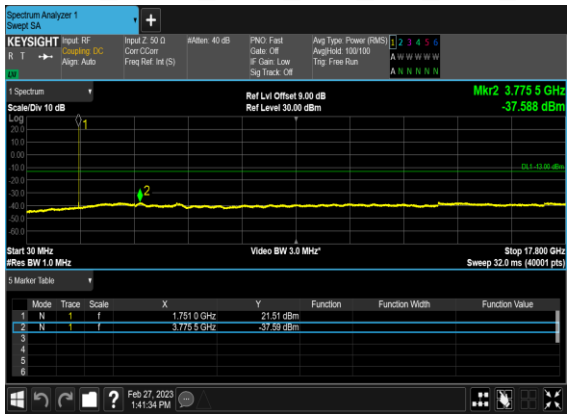
N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



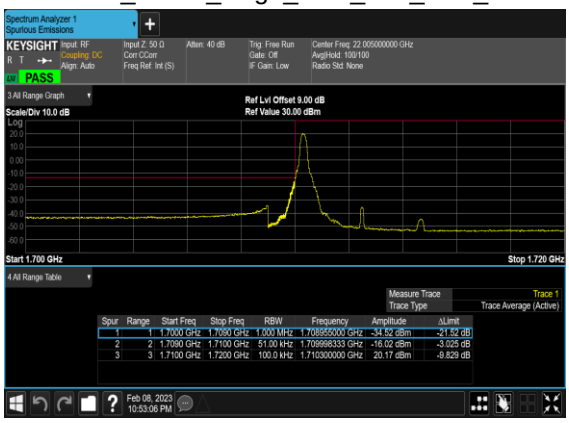
N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



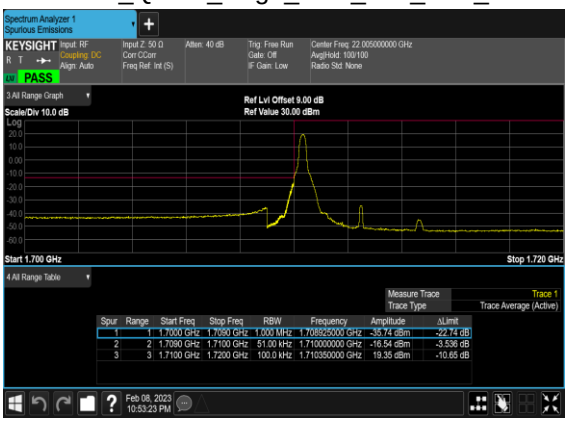
Conducted Band Edge

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	15	343500	1717.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	15	343500	1717.5	DFT-s-OFDM BPSK	75@0	see graph	**PASS**
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	75@0	see graph	**PASS**
66	15	15	354500	1772.5	DFT-s-OFDM BPSK	1@78	see graph	**PASS**
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@78	see graph	**PASS**
66	15	15	354500	1772.5	DFT-s-OFDM BPSK	75@0	see graph	**PASS**
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	75@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM BPSK	160@0	see graph	**PASS**
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	160@0	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	1@159	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	1@159	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	160@0	see graph	**PASS**
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	160@0	see graph	**PASS**

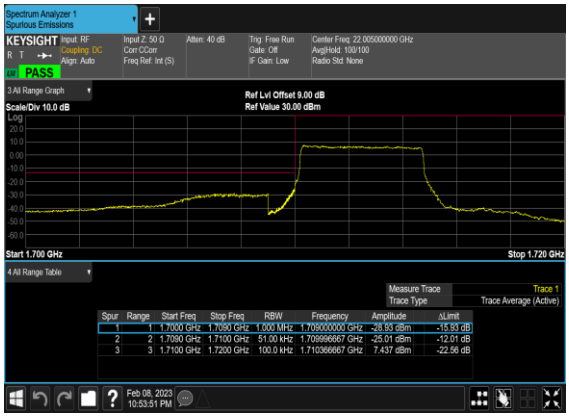
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



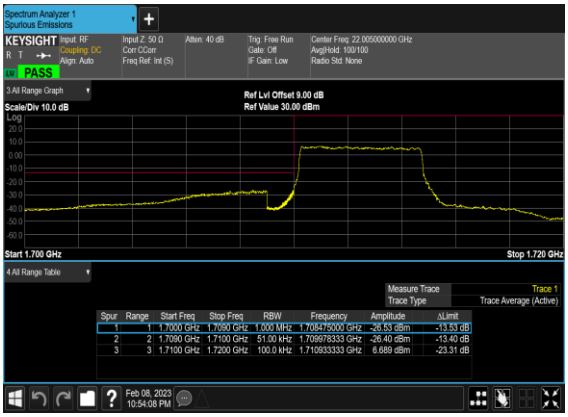
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



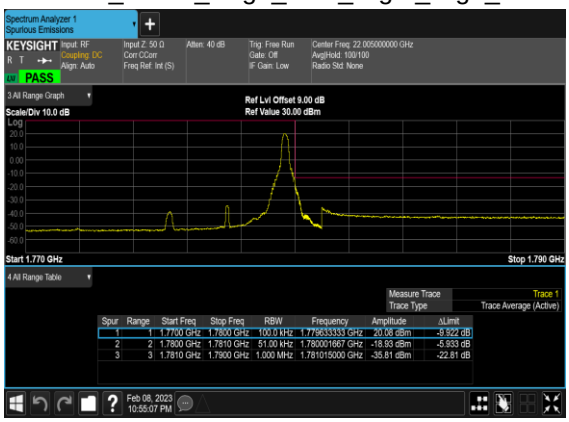
N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



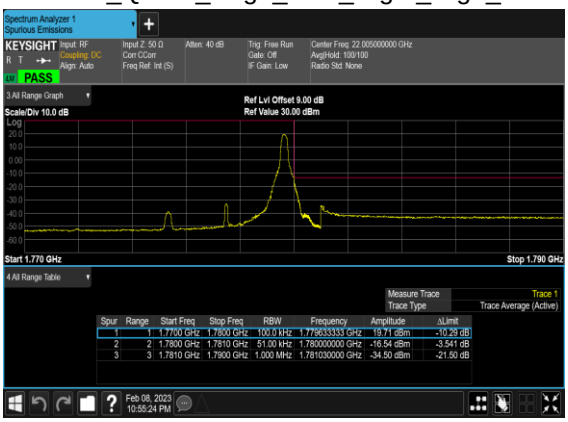
N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



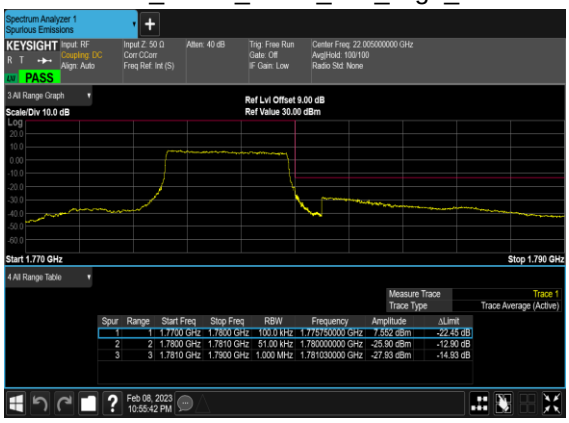
N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



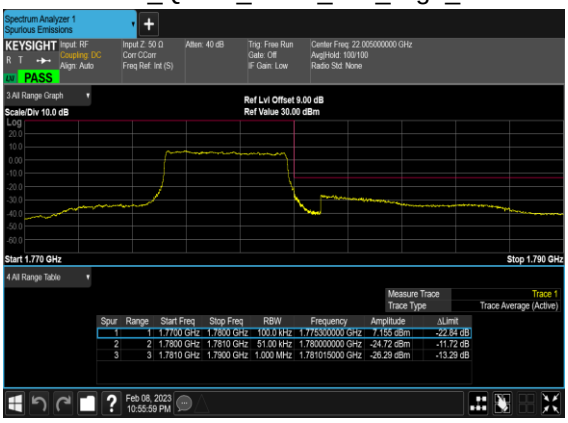
N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



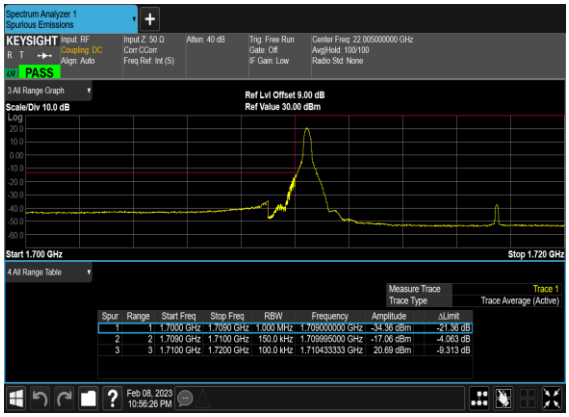
N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



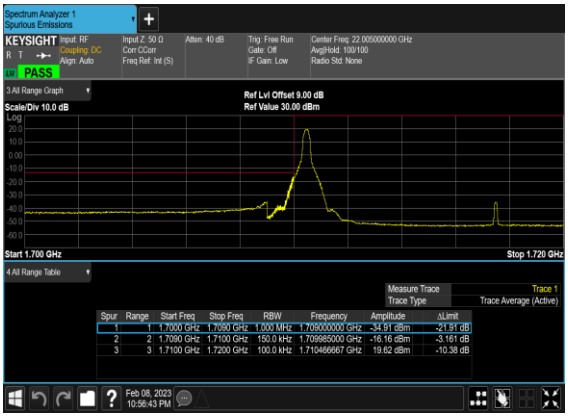
N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



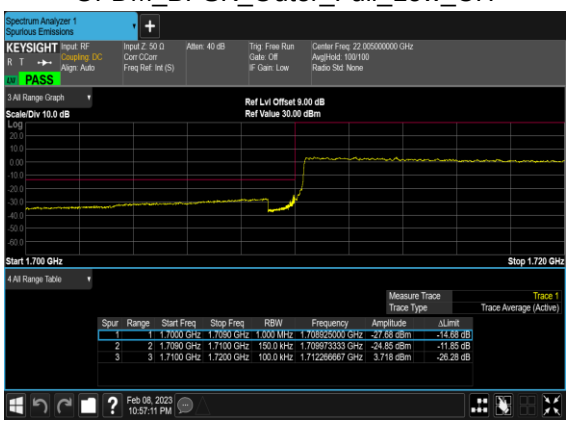
N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

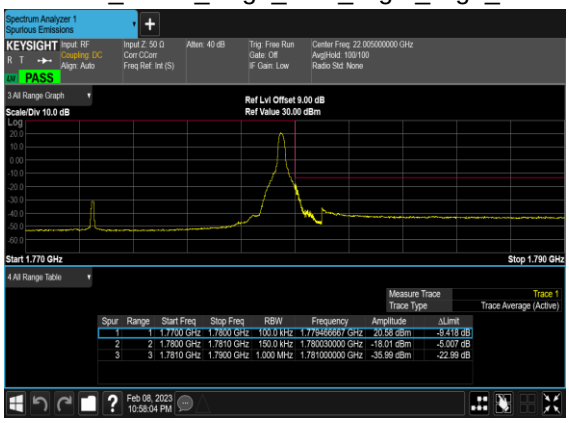


N66(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

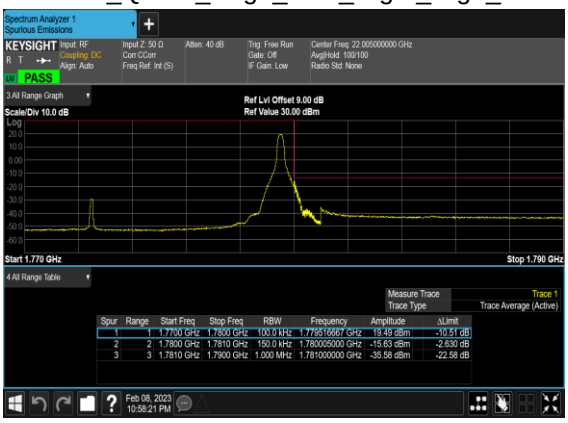


N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

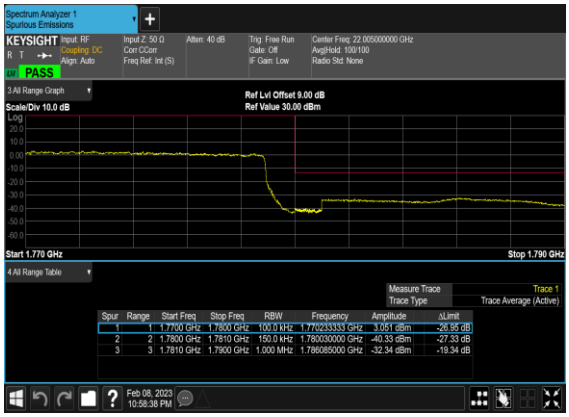
N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



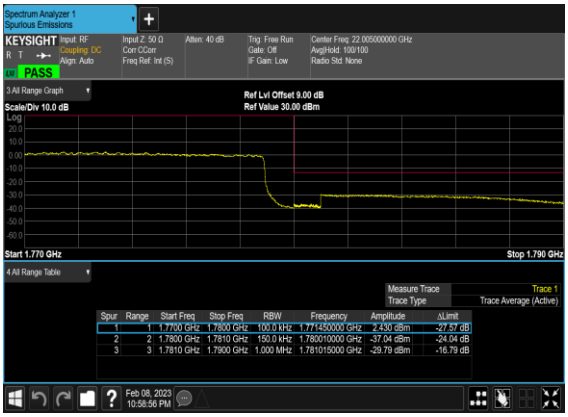
N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



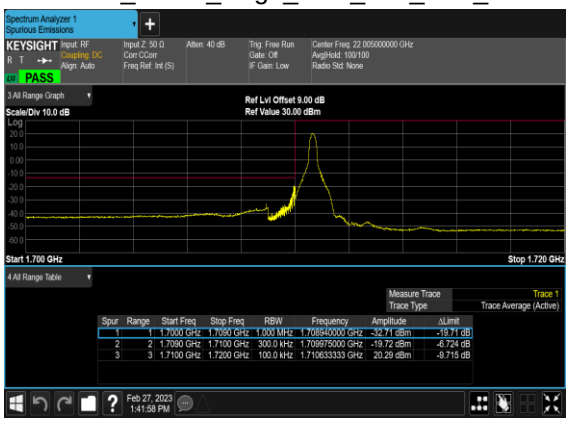
N66(15M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



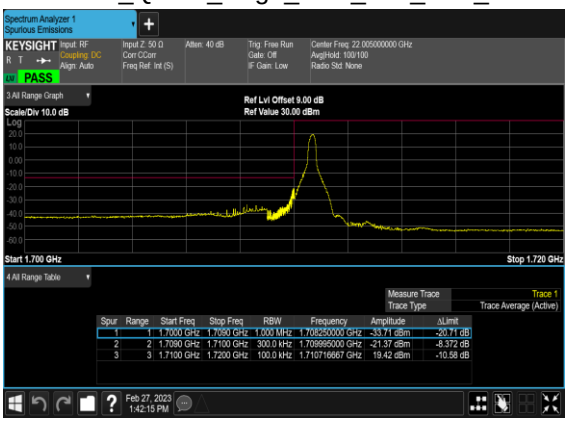
N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



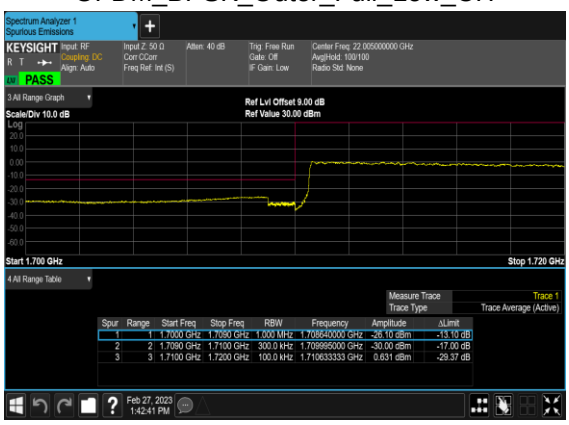
N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

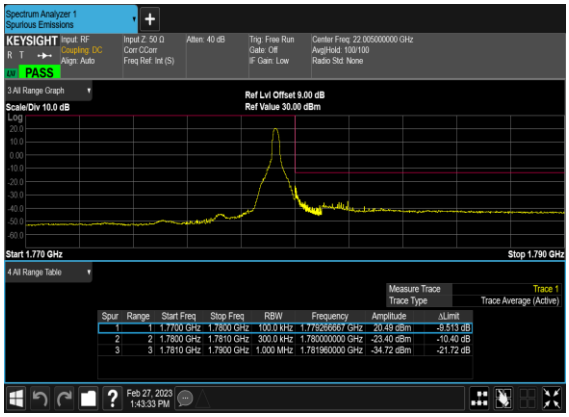


N66(30M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

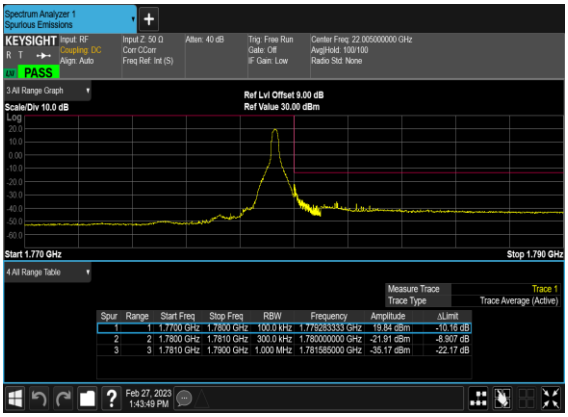


N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N66(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N66(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N66(30M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N66(30M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

SA n41 / NR 100MHz / QPSK / ANT8									
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	-58.09	-25	-33.09	-82.37	-63.65	7.14	12.70	H
	7633.50	-54.22	-25	-29.22	-80.76	-57.52	8.30	11.60	H
	10178.00	-51.79	-25	-26.79	-82.81	-53.31	10.48	12.00	H
	5089.00	-57.25	-25	-32.25	-82.51	-62.81	7.14	12.70	V
	7633.50	-53.52	-25	-28.52	-80.74	-56.82	8.30	11.60	V
	10178.00	-50.71	-25	-25.71	-82.95	-52.23	10.48	12.00	V

EN-DC_2A_n41A / LTE 20MHz + NR 100MHz / QPSK / ANT1(LTE) + ANT8(NR)									
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	-57.53	-25	-32.53	-81.81	-63.09	7.14	12.70	H
	7633.50	-54.86	-25	-29.86	-81.40	-58.16	8.30	11.60	H
	10178.00	-52.12	-25	-27.12	-83.14	-53.64	10.48	12.00	H
	5089.00	-56.85	-25	-31.85	-82.11	-62.41	7.14	12.70	V
	7633.50	-53.94	-25	-28.94	-81.16	-57.24	8.30	11.60	V
	10178.00	-50.78	-25	-25.78	-83.02	-52.30	10.48	12.00	V
LTE Band2 Middle	3751.18	-57.30	-13	-44.30	-79.79	-64.05	5.85	12.60	H
	5626.77	-57.19	-13	-44.19	-81.69	-62.99	7.30	13.10	H
	7502	-54.33	-13	-41.33	-81.33	-57.48	8.35	11.50	H
	3751.18	-54.83	-13	-41.83	-80.48	-61.58	5.85	12.60	V
	5626.77	-56.56	-13	-43.56	-81.56	-62.36	7.30	13.10	V
	7502	-54.27	-13	-41.27	-81.26	-57.42	8.35	11.50	V

n41 UL MIMO / NR 100+100MHz / QPSK / ANT8+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	5089.00	-58.25	-25	-33.25	-82.53	-63.81	7.14	12.70	H
	7633.50	-54.79	-25	-29.79	-81.33	-58.09	8.30	11.60	H
	10178.00	-52.15	-25	-27.15	-83.17	-53.67	10.48	12.00	H
	5089.00	-57.07	-25	-32.07	-82.33	-62.63	7.14	12.70	V
	7633.50	-46.48	-25	-21.48	-73.7	-49.78	8.30	11.60	V
	10178.00	-50.60	-25	-25.60	-82.84	-52.12	10.48	12.00	V

SA n66 / NR 40MHz / QPSK / ANT1 / Main PA									
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	-59.15	-13	-46.15	-80.60	-66.00	5.65	12.50	H
	5178	-58.29	-13	-45.29	-83.05	-63.96	7.13	12.80	H
	6904	-55.33	-13	-42.33	-81.54	-58.73	8.40	11.80	H
	3452	-58.22	-13	-45.22	-80.61	-65.07	5.65	12.50	V
	5178	-57.50	-13	-44.50	-82.65	-63.17	7.13	12.80	V
	6904	-54.29	-13	-41.29	-81.78	-57.69	8.40	11.80	V

SA n66 / NR 40MHz / QPSK / ANT7 / Other PA									
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	-58.36	-13	-45.36	-79.81	-65.21	5.65	12.50	H
	5178	-54.91	-13	-41.91	-79.67	-60.58	7.13	12.80	H
	6904	-55.08	-13	-42.08	-81.29	-58.48	8.40	11.80	H
	3452	-57.45	-13	-44.45	-79.84	-64.30	5.65	12.50	V
	5178	-55.94	-13	-42.94	-81.09	-61.61	7.13	12.80	V
	6904	-53.42	-13	-40.42	-80.91	-56.82	8.40	11.80	V

EN-DC_30A_n66A / LTE 5MHz + NR 40MHz / QPSK / ANT1(LTE)+ANT7(NR)									
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	-59.66	-13	-46.66	-61.50	-66.51	5.65	12.50	H
	5178	-59.70	-13	-46.70	-64.74	-65.37	7.13	12.80	H
	6904	-57.89	-13	-44.89	-65.35	-61.29	8.40	11.80	H
	3452	-58.90	-13	-45.90	-61.68	-65.75	5.65	12.50	V
	5178	-59.27	-13	-46.27	-64.7	-64.94	7.13	12.80	V
	6904	-55.68	-13	-42.68	-64.42	-59.08	8.40	11.80	V
LTE Band30 Middle	4611.00	-59.98	-40	-19.98	-64.93	-66.23	6.45	12.70	H
	6916.50	-57.86	-40	-17.86	-65.36	-61.26	8.40	11.80	H
	9222.00	-57.77	-40	-17.77	-67.29	-60.12	9.65	12.00	H
	4611.00	-60.00	-40	-20.00	-65.08	-66.25	6.45	12.70	V
	6916.50	-56.35	-40	-16.35	-64.95	-59.75	8.40	11.80	V
	9222.00	-55.88	-40	-15.88	-67.63	-58.23	9.65	12.00	V

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