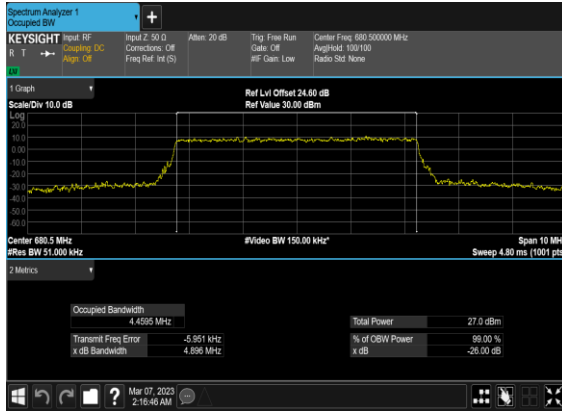
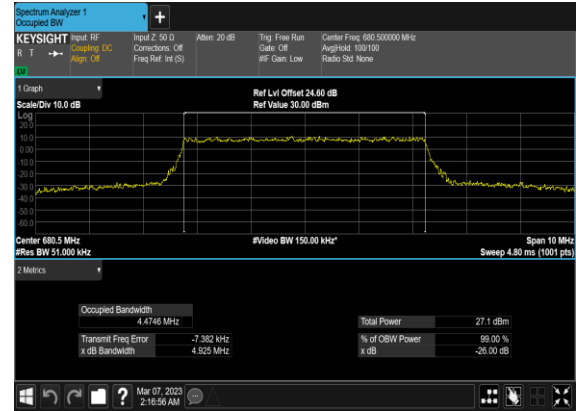


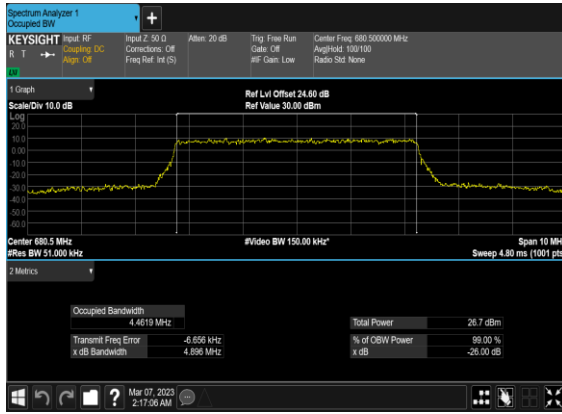
### N71(5M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



### N71(5M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



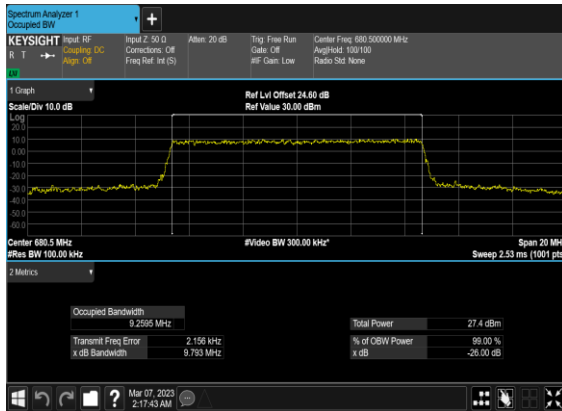
### N71(5M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



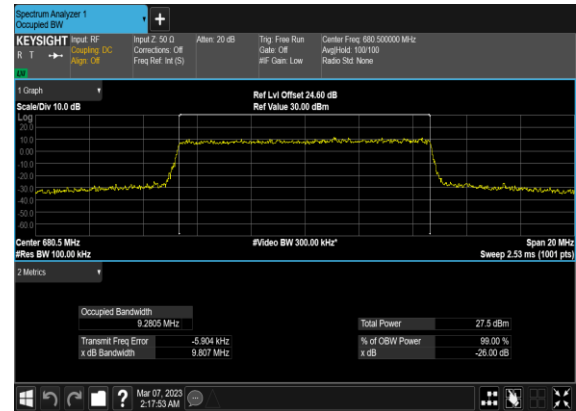
### N71(5M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



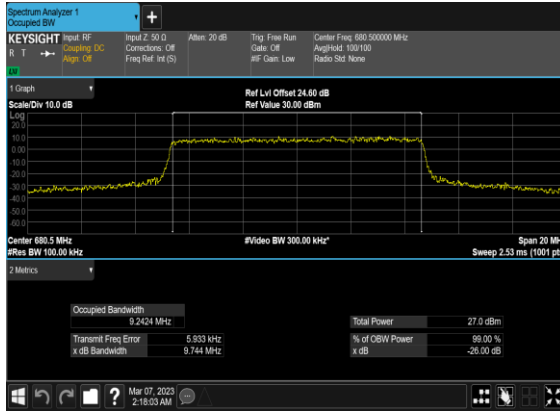
### N71(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



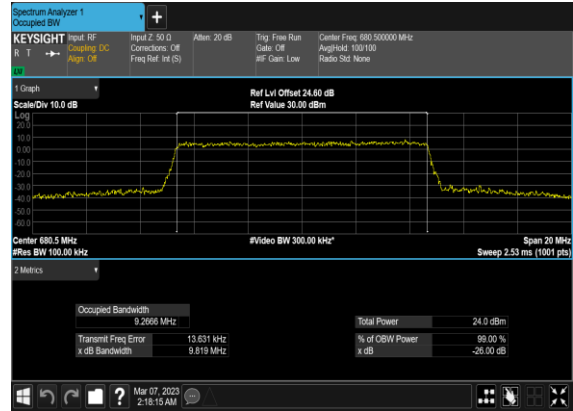
### N71(10M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



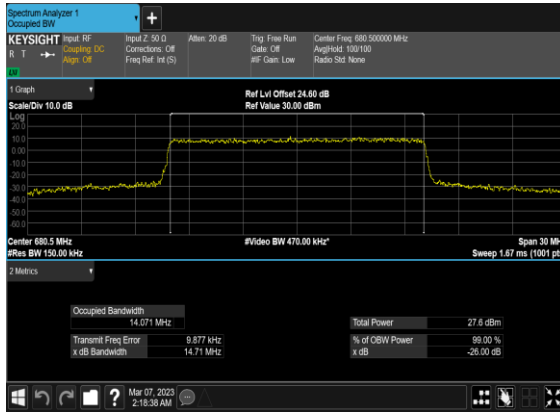
### N71(10M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



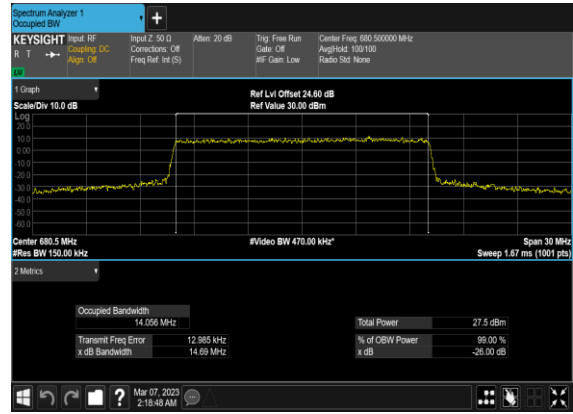
### N71(10M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



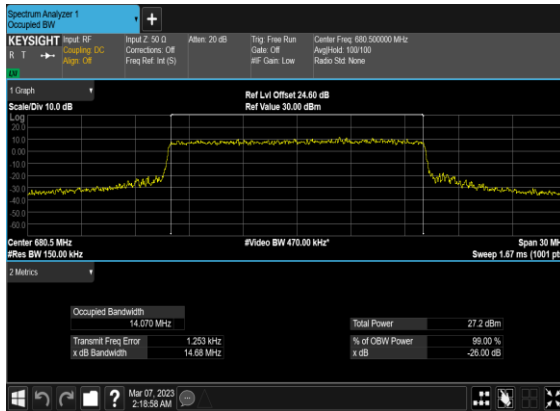
### N71(15M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



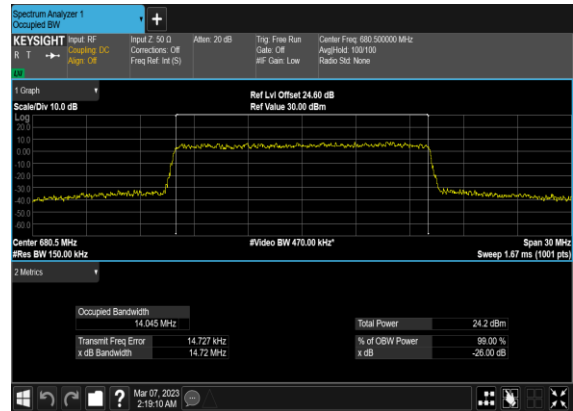
### N71(15M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



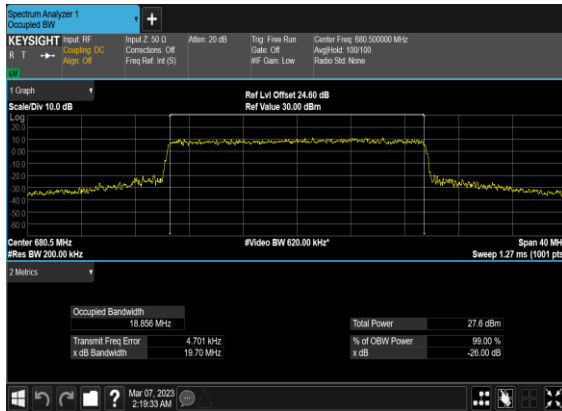
### N71(15M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



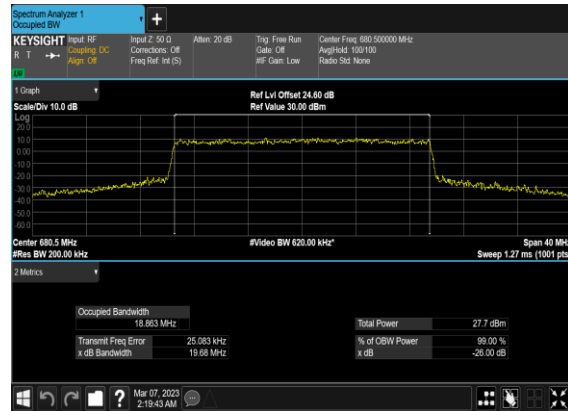
### N71(15M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



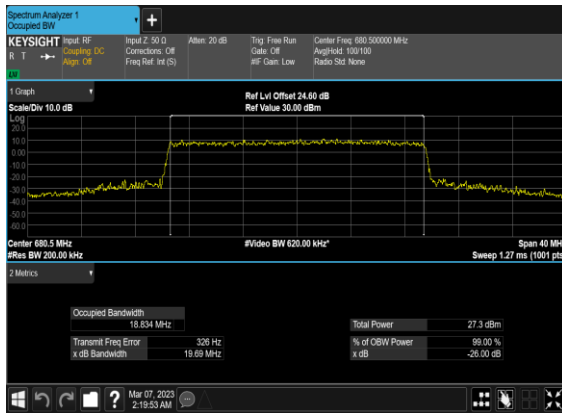
### N71(20M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



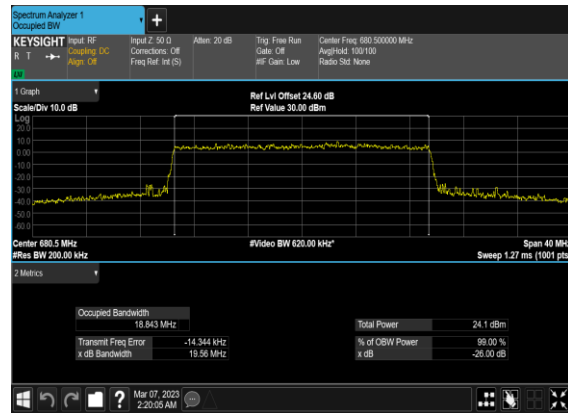
### N71(20M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N71(20M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



### N71(20M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



## Conducted Spurious Emissions

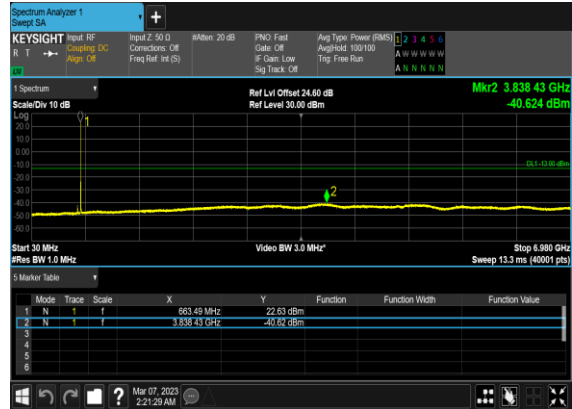
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	5	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	5	139100	695.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	10	133600	668.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	10	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	10	138600	693.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@0	see graph	---

71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
71	15	20	134600	673.0	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	20	134600	673.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
71	15	20	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	20	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
71	15	20	137600	688.0	DFT-s-OFDM BPSK	1@0	see graph	---
71	15	20	137600	688.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@0	see graph	---
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>

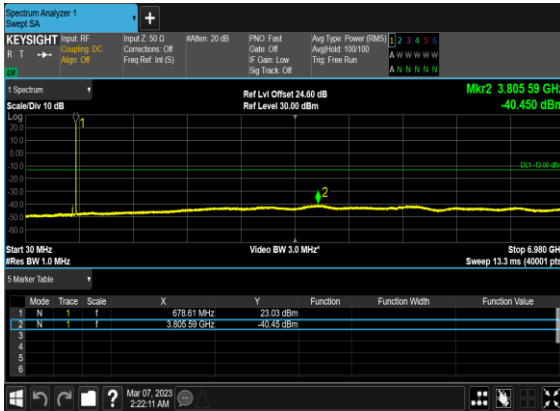
N71(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



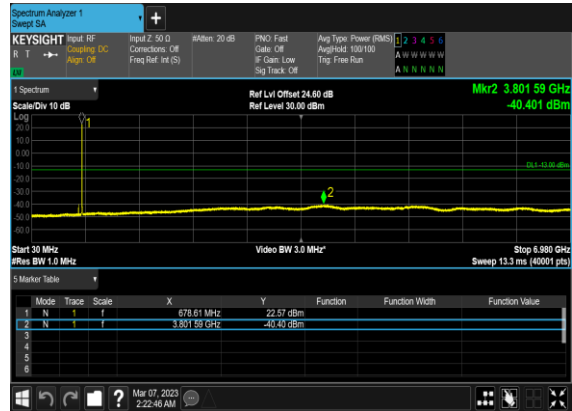
N71(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



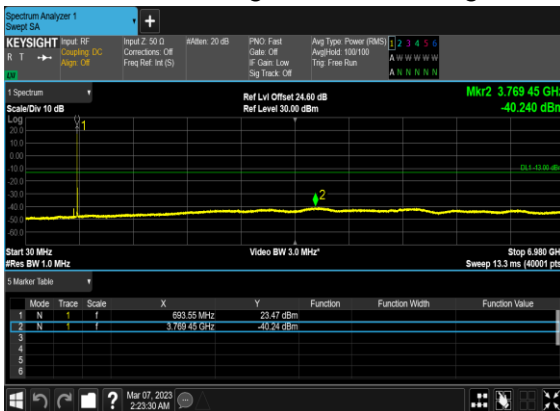
N71(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



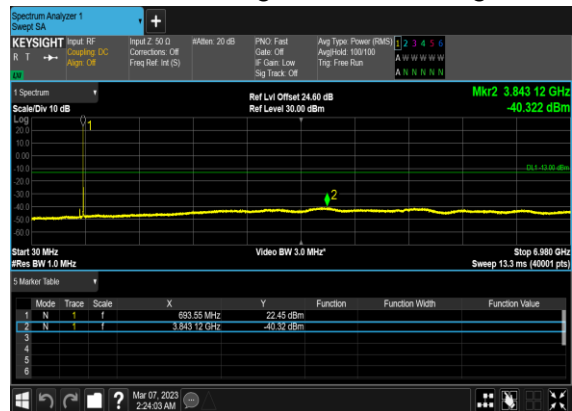
N71(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N71(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



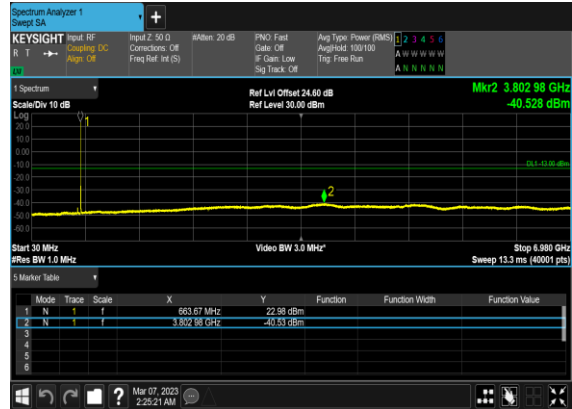
N71(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



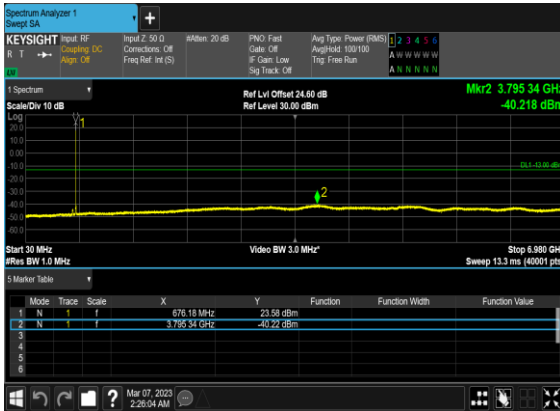
N71(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N71(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



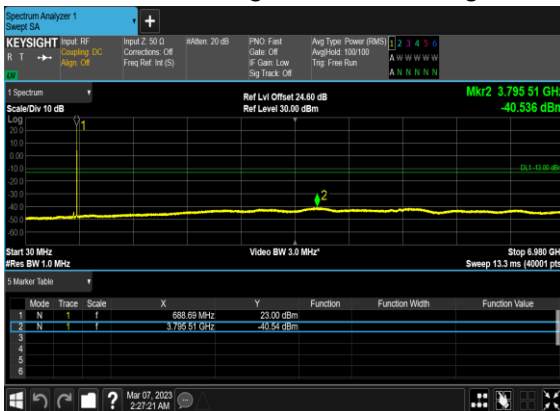
N71(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



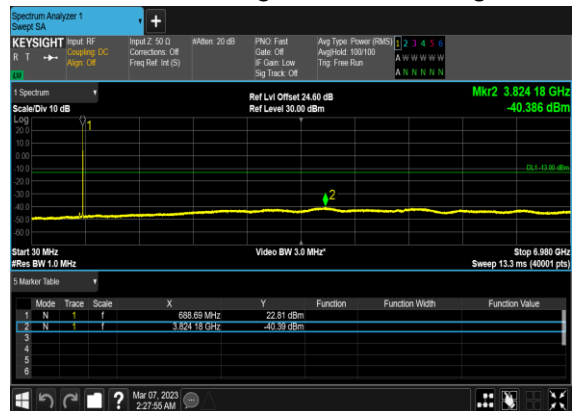
N71(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



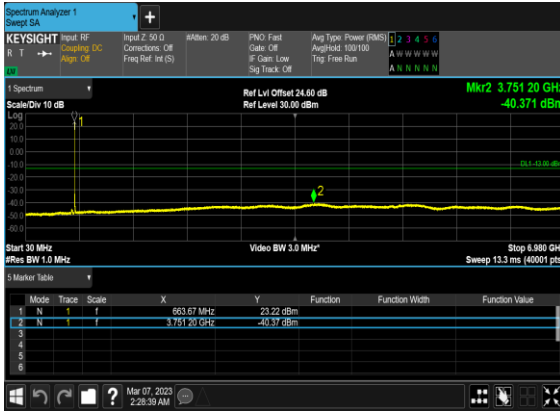
N71(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



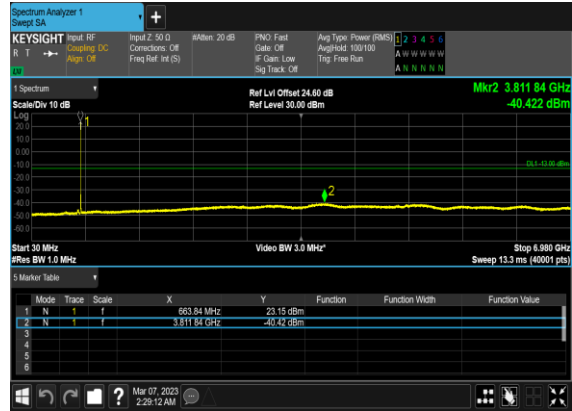
N71(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



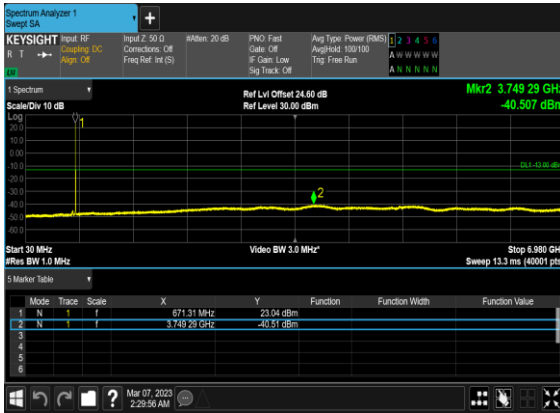
N71(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



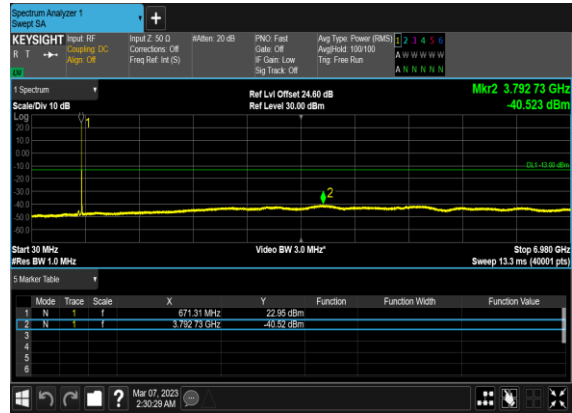
N71(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



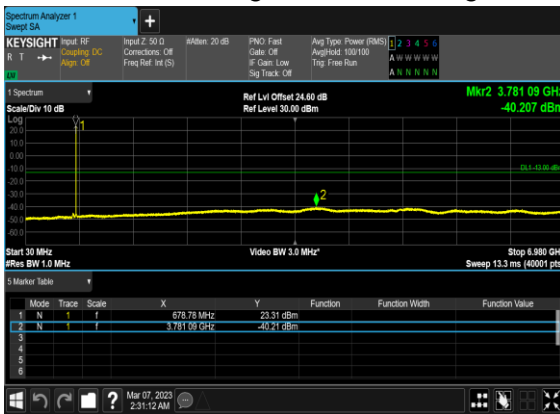
N71(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



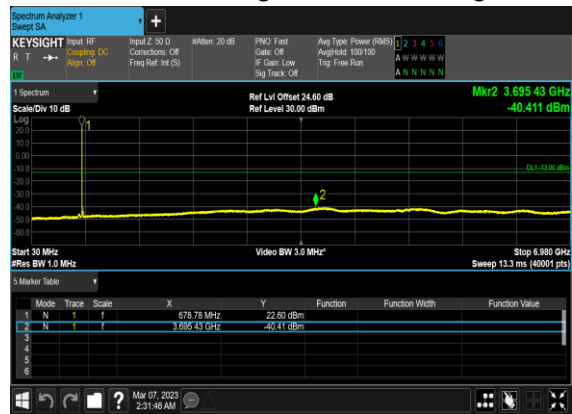
N71(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N71(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N71(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

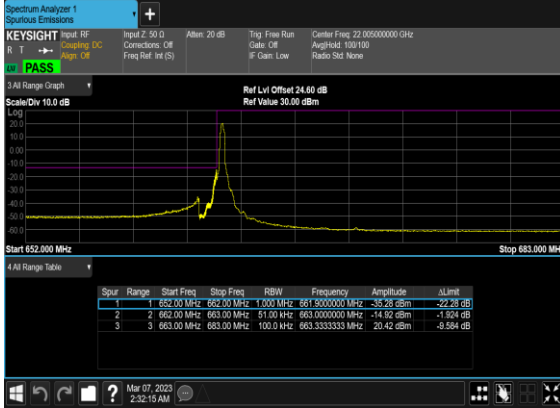




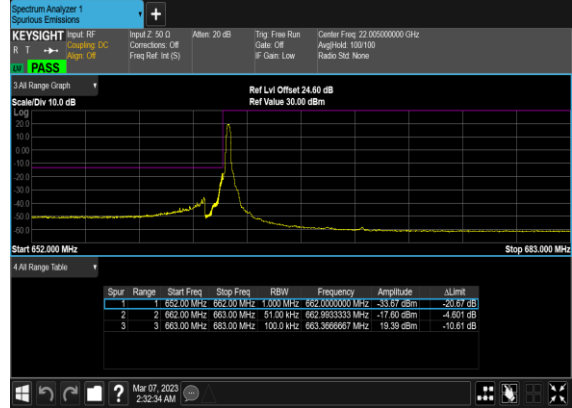
## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
71	15	5	139100	695.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
71	15	10	133600	668.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
71	15	10	138600	693.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
71	15	20	134600	673.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	100@0	see graph	PASS

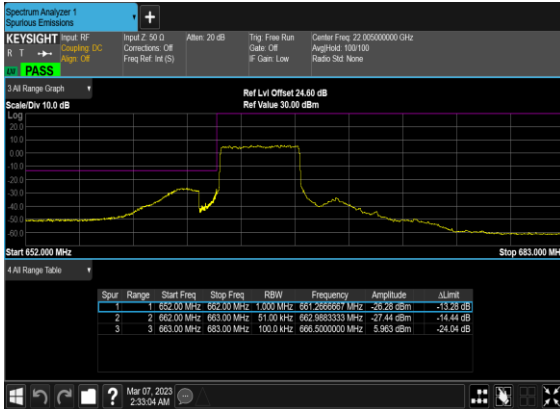
N71(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



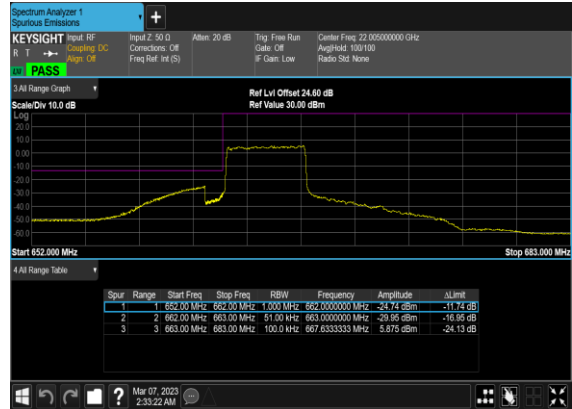
N71(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



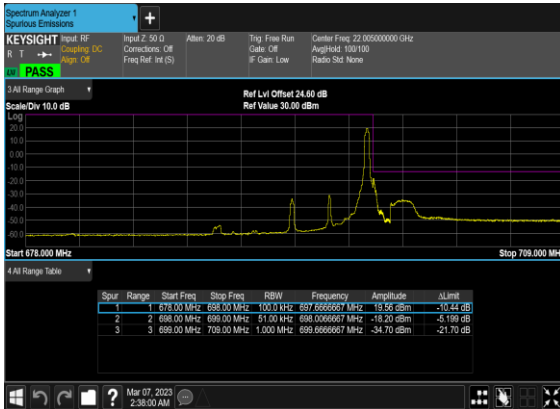
N71(5M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



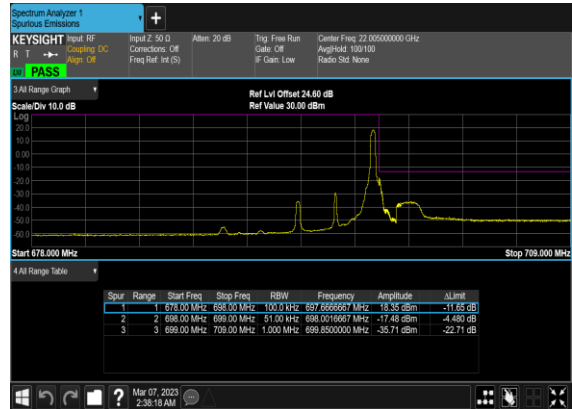
N71(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



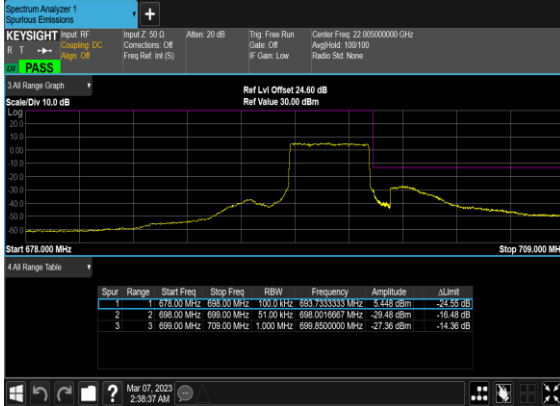
N71(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



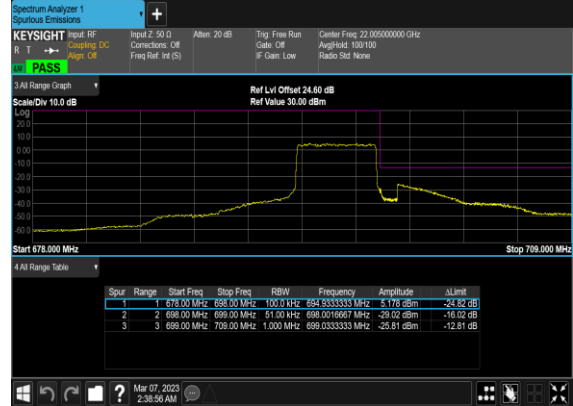
N71(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



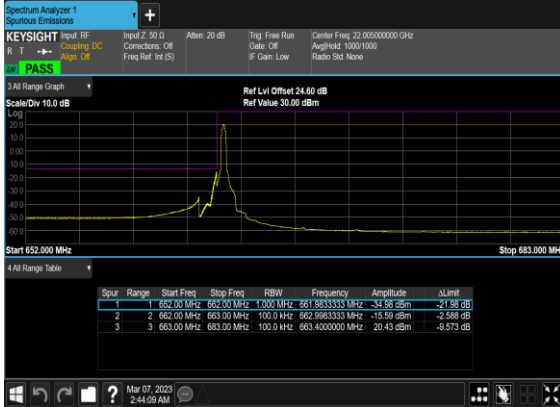
N71(5M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



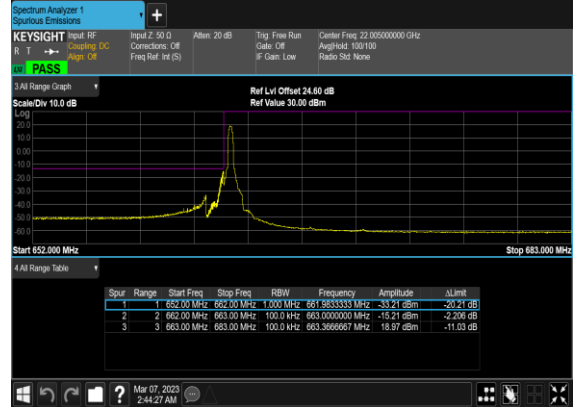
N71(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



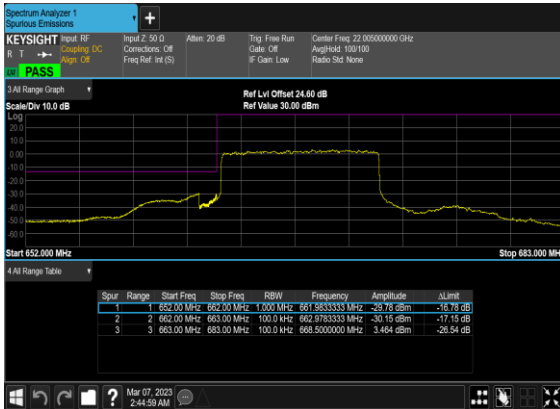
N71(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



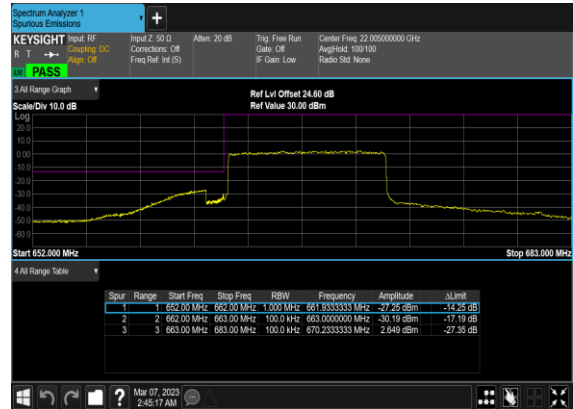
N71(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



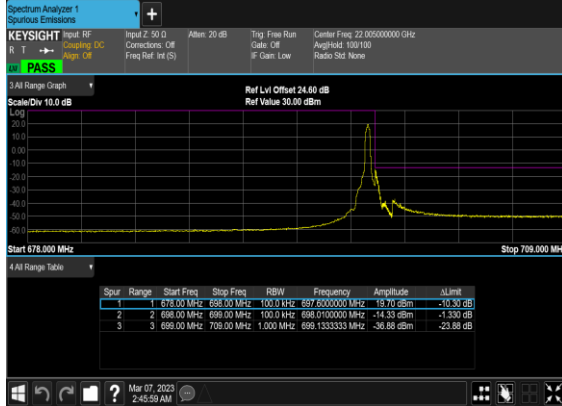
N71(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



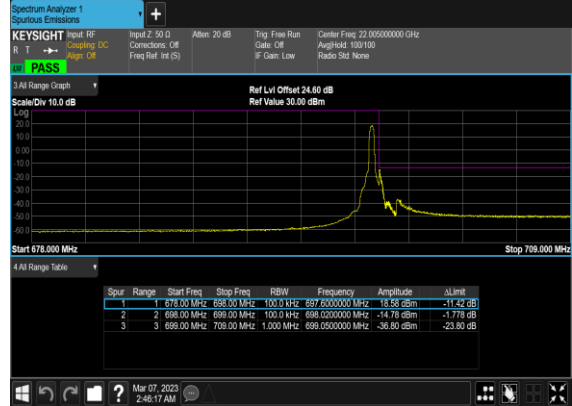
N71(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



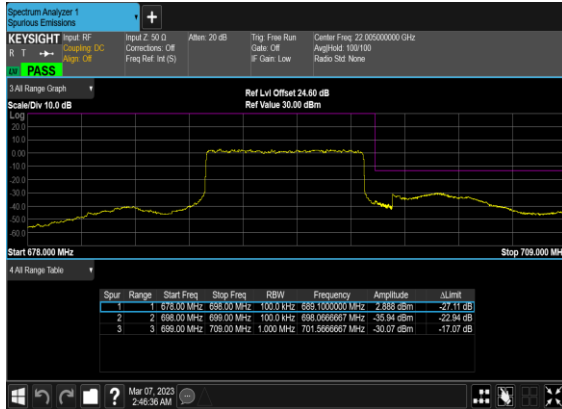
### N71(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



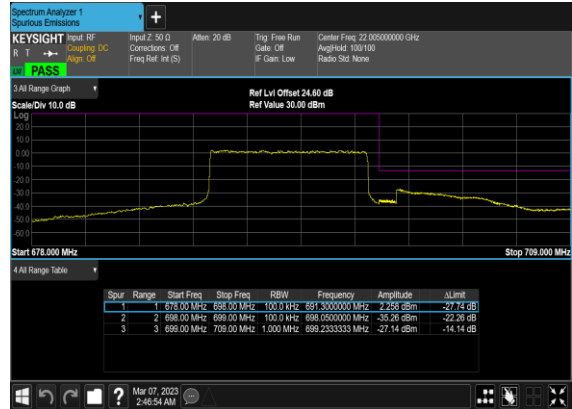
### N71(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



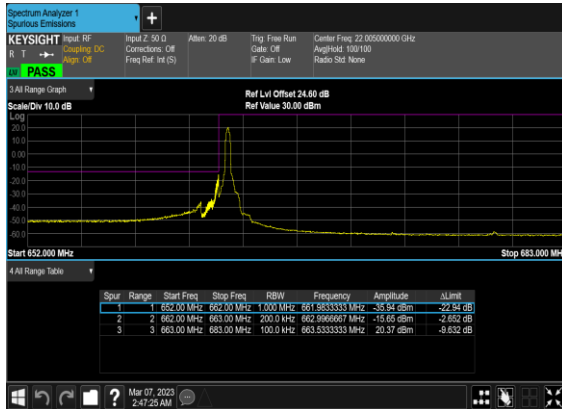
### N71(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



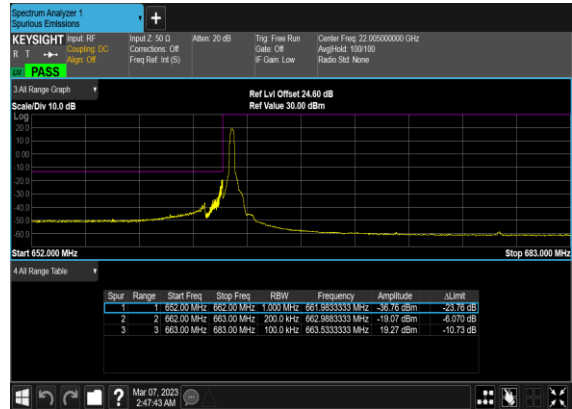
### N71(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



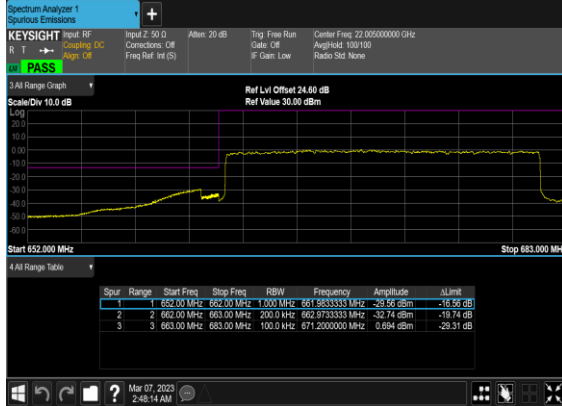
### N71(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



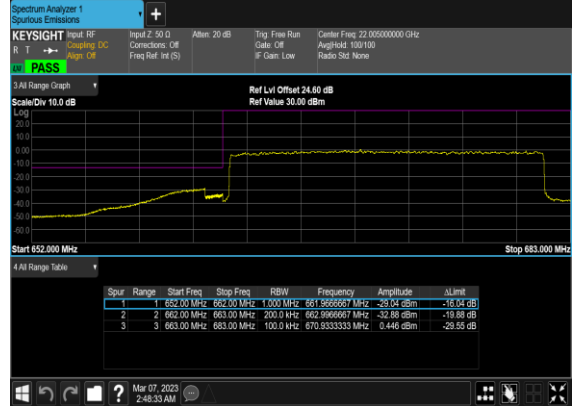
### N71(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



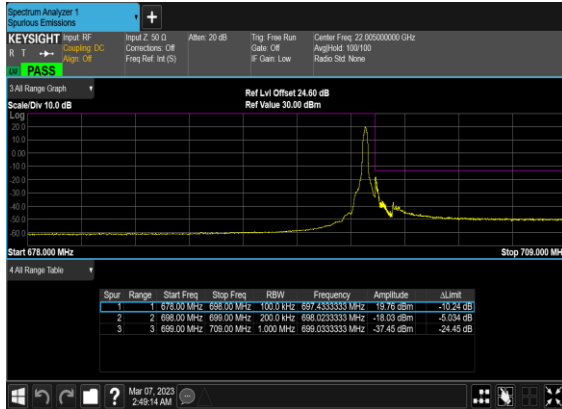
### N71(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



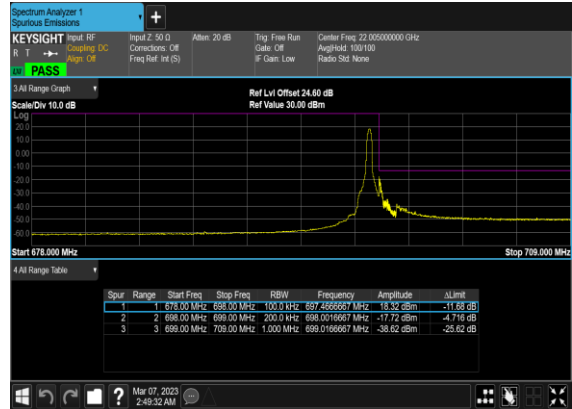
### N71(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



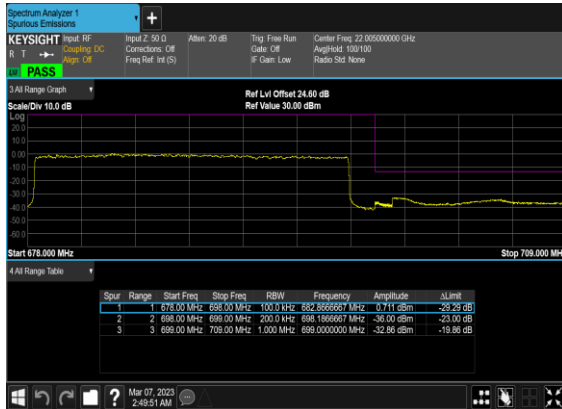
### N71(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



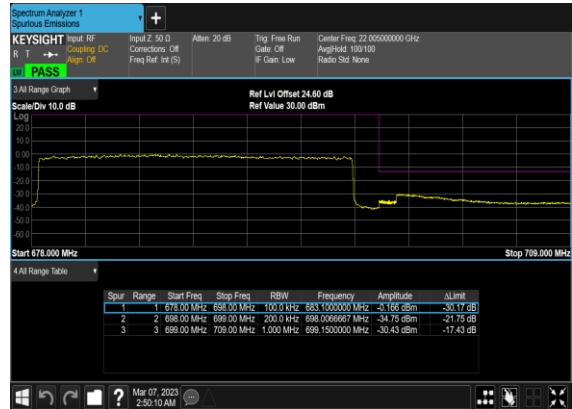
### N71(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



### N71(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



### N71(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH





# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	Carl Ni	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.

SA n5 / NR 20MHz / QPSK / ANT1(NR)								
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	-63.10	-13	-50.10	-70.07	1.58	10.70	H
	2480	-59.14	-13	-46.14	-67.39	2.102	12.50	H
	3312	-59.04	-13	-46.04	-67.93	2.856	13.90	H
	1656	-61.93	-13	-48.93	-68.90	1.58	10.70	V
	2480	-57.43	-13	-44.43	-65.68	2.10	12.50	V
	3312	-58.69	-13	-45.69	-67.58	2.86	13.90	V

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

EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT6(LTE) & ANT1(NR)								
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	-65.13	-13	-52.13	-72.10	1.58	10.70	H
	2480	-61.52	-13	-48.52	-69.77	2.102	12.50	H
	3312	-61.24	-13	-48.24	-70.13	2.856	13.90	H
	1656	-64.21	-13	-51.21	-71.18	1.58	10.70	V
	2480	-59.71	-13	-46.71	-67.96	2.10	12.50	V
	3312	-61.03	-13	-48.03	-69.92	2.86	13.90	V

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



SA n7 / NR 40MHz / QPSK / ANT2(NR)								
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	5032	-62.95	-25	-37.95	-73.16	3.03	13.24	H
	7552	-62.39	-25	-37.39	-71.84	3.56	13.01	H
	10070	-61.35	-25	-36.35	-70.87	3.92	13.44	H
	5032	-63.05	-25	-38.05	-73.26	3.03	13.24	V
	7552	-62.39	-25	-37.39	-71.84	3.56	13.01	V
	10070	-61.55	-25	-36.55	-71.07	3.92	13.44	V

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

EN-DC_66A_n7A / LTE 20MHz + NR 40MHz / QPSK / ANT6(LTE) & ANT2(NR)								
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	5032	-62.82	-25	-37.82	-73.03	3.03	13.24	H
	7552	-62.03	-25	-37.03	-71.48	3.56	13.01	H
	10070	-61.22	-25	-36.22	-70.74	3.92	13.44	H
	5032	-62.92	-25	-37.92	-73.13	3.03	13.24	V
	7552	-61.97	-25	-36.97	-71.42	3.56	13.01	V
	10070	-61.62	-25	-36.62	-71.14	3.92	13.44	V

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

SA n38 / NR 40MHz / QPSK / ANT2(NR)								
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	5152	-62.23	-25	-37.23	-72.44	3.03	13.24	H
	7732	-61.57	-25	-36.57	-71.02	3.56	13.01	H
	10310	-60.97	-25	-35.97	-70.49	3.92	13.44	H
	5152	-62.80	-25	-37.80	-73.01	3.03	13.24	V
	7732	-61.20	-25	-36.20	-70.65	3.56	13.01	V
	10310	-61.75	-25	-36.75	-71.27	3.92	13.44	V

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



SA n41 / NR 100MHz / QPSK / ANT2(NR)								
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	5096	-63.06	-25	-38.06	-73.27	3.03	13.24	H
	7644	-61.99	-25	-36.99	-71.44	3.56	13.01	H
	10190	-61.10	-25	-36.10	-70.62	3.92	13.44	H
	5096	-63.19	-25	-38.19	-73.40	3.03	13.24	V
	7644	-61.74	-25	-36.74	-71.19	3.56	13.01	V
	10190	-61.60	-25	-36.60	-71.12	3.92	13.44	V

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

SA n66 / NR 40MHz / QPSK / ANT2(NR)								
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	-54.82	-13	-41.82	-65.56	2.604	13.34	H
	5175	-50.35	-13	-37.35	-60.86	3.011	13.52	H
	6915	-54.36	-13	-41.36	-64.56	3.271	13.47	H
	3450	-57.10	-13	-44.10	-67.84	2.604	13.34	V
	5175	-50.48	-13	-37.48	-60.99	3.011	13.52	V
	6915	-54.56	-13	-41.56	-64.76	3.271	13.47	V

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

EN-DC_7A_n66A / LTE 20MHz + NR 40MHz / QPSK / ANT6(LTE) & ANT2(NR)								
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	-58.12	-13	-45.12	-68.86	2.604	13.34	H
	5175	-55.35	-13	-42.35	-65.86	3.011	13.52	H
	6915	-54.66	-13	-41.66	-64.86	3.271	13.47	H
	3450	-58.21	-13	-45.21	-68.95	2.604	13.34	V
	5175	-55.32	-13	-42.32	-65.83	3.011	13.52	V
	6915	-54.82	-13	-41.82	-65.02	3.271	13.47	V

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





SA n71 / NR 20MHz / QPSK / ANT1(NR)								
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	1344	-65.53	-13	-52.53	-67.28	1.02	4.92	H
	2016	-60.67	-13	-47.67	-62.64	1.27	5.39	H
	2688	-58.22	-13	-45.22	-61.15	1.49	6.57	H
	1344	-64.89	-13	-51.89	-66.64	1.02	4.92	V
	2016	-58.98	-13	-45.98	-60.95	1.27	5.39	V
	2688	-57.96	-13	-44.96	-60.89	1.49	6.57	V

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

For Other PA:

EN-DC_66A_n7A / LTE 20MHz + NR 40MHz / QPSK / ANT2(LTE) & ANT6(NR)								
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	5032	-62.81	-25	-37.81	-73.02	3.03	13.24	H
	7552	-62.21	-25	-37.21	-71.66	3.56	13.01	H
	10070	-61.33	-25	-36.33	-70.85	3.92	13.44	H
	5032	-62.95	-25	-37.95	-73.16	3.03	13.24	V
	7552	-61.95	-25	-36.95	-71.40	3.56	13.01	V
	10070	-61.48	-25	-36.48	-71.00	3.92	13.44	V

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

EN-DC_7A_n66A / LTE 20MHz + NR 40MHz / QPSK / ANT2(LTE) & ANT6(NR)								
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	-57.56	-13	-44.56	-68.30	2.604	13.34	H
	5175	-55.74	-13	-42.74	-66.25	3.011	13.52	H
	6915	-54.57	-13	-41.57	-64.77	3.271	13.47	H
	3450	-58.13	-13	-45.13	-68.87	2.604	13.34	V
	5175	-55.48	-13	-42.48	-65.99	3.011	13.52	V
	6915	-54.78	-13	-41.78	-64.98	3.271	13.47	V

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