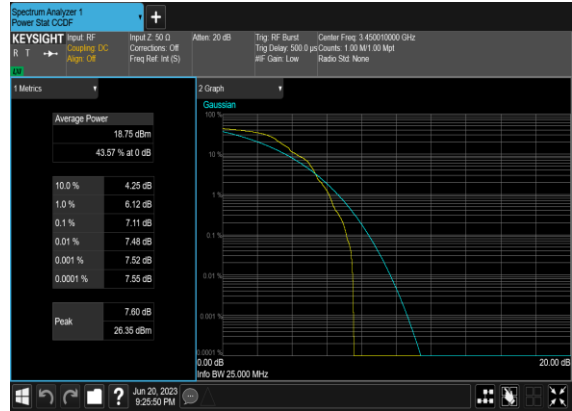


N78(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



N78(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Mid\_CH



N78(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



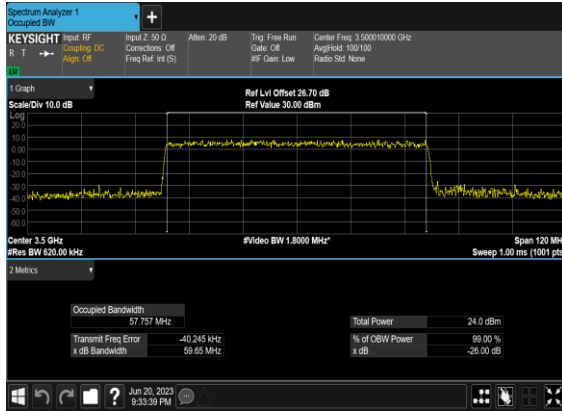
N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



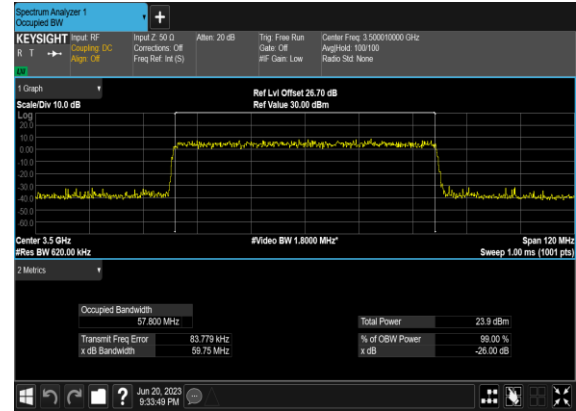
## Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.757	59.65
78	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.8	59.75
78	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.753	59.62
78	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.68	59.56
78	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.446	69.86
78	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.625	69.71
78	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.403	69.46
78	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.452	69.73
78	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.366	79.94
78	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.421	79.94
78	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.451	80.09
78	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.465	79.91
78	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.259	90.2
78	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.343	90.11
78	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.34	90.13
78	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.296	90.3
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.192	100.5
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	96.989	100.4
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.153	100.4
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.322	100.5

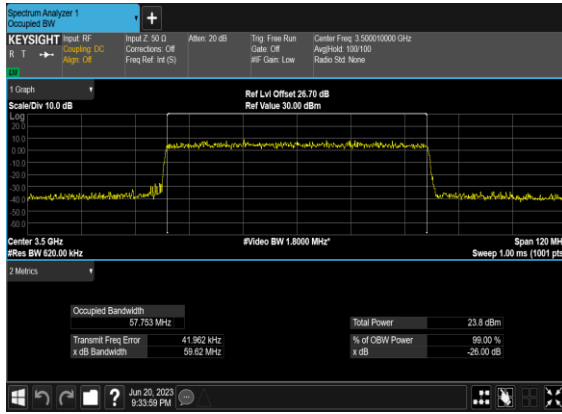
### N78(60M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



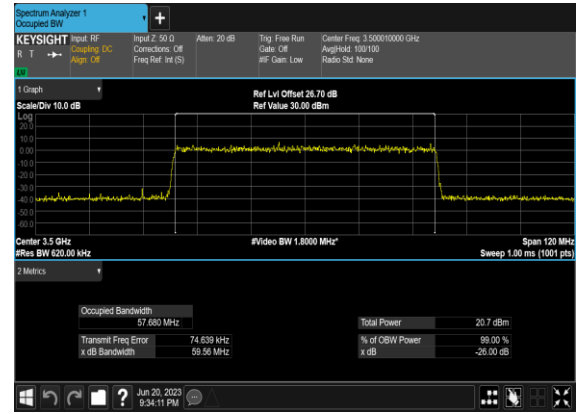
### N78(60M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



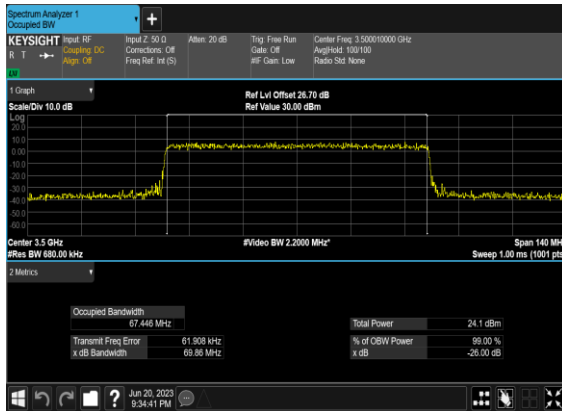
### N78(60M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



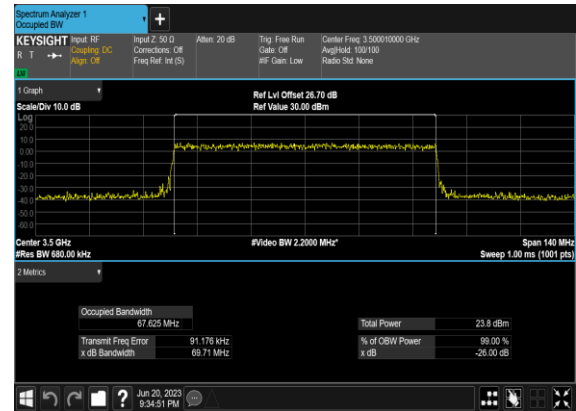
### N78(60M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



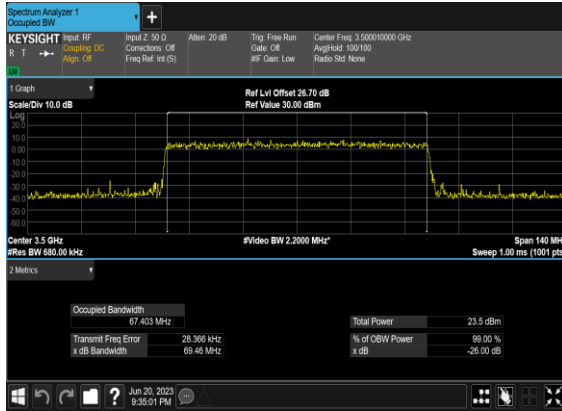
### N78(70M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



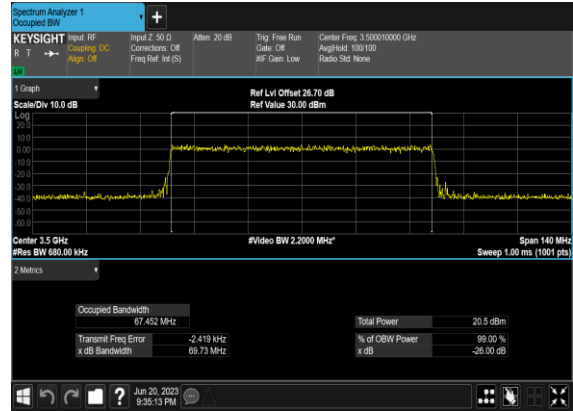
### N78(70M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



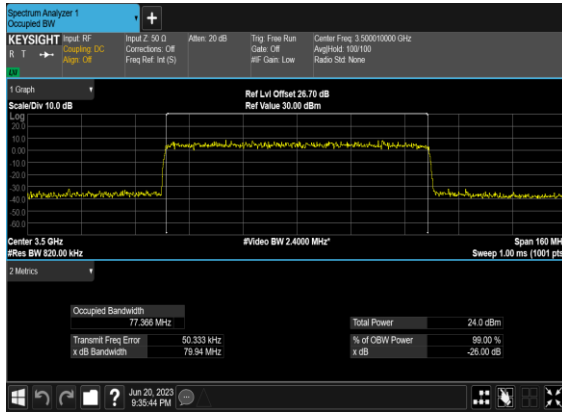
### N78(70M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



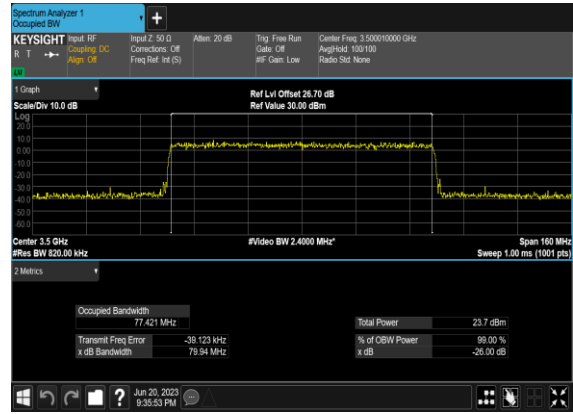
### N78(70M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



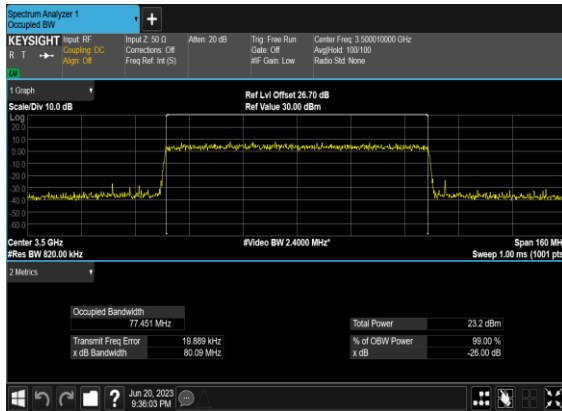
### N78(80M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



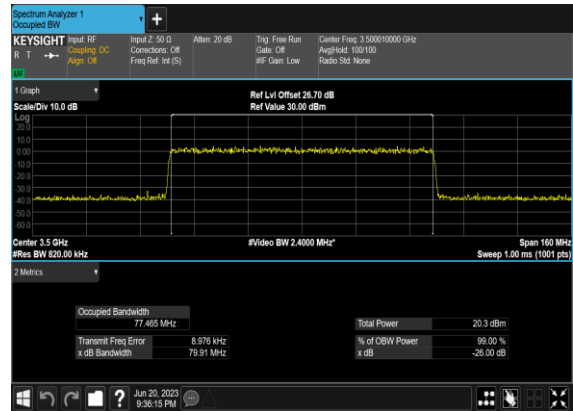
### N78(80M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



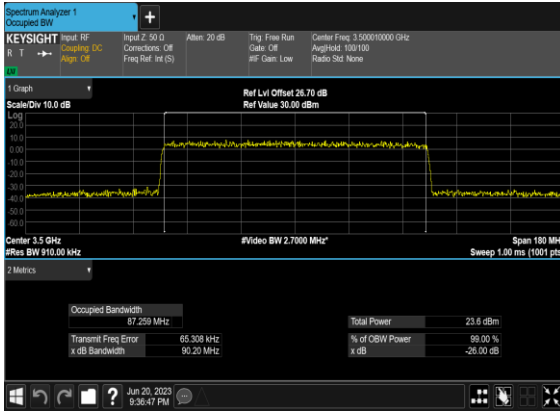
### N78(80M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



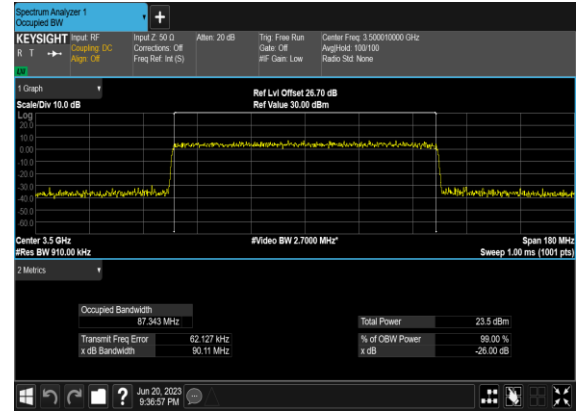
### N78(80M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



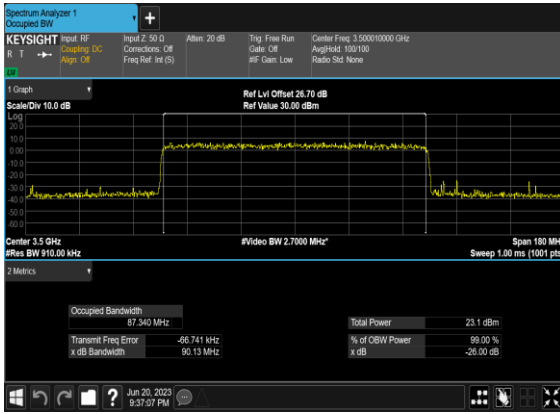
### N78(90M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



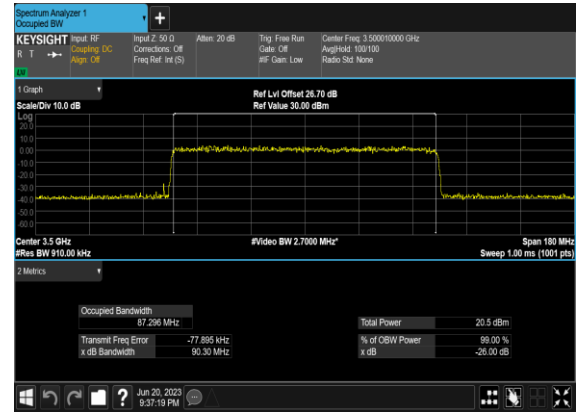
### N78(90M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



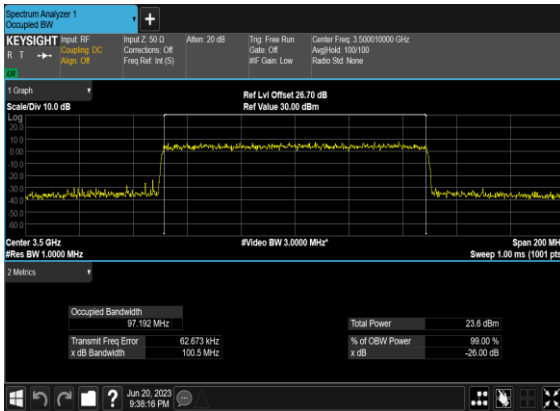
### N78(90M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



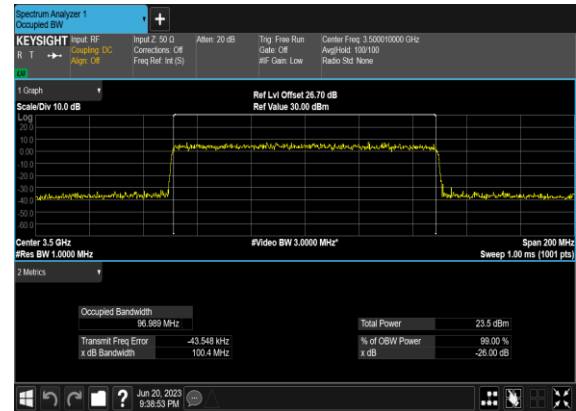
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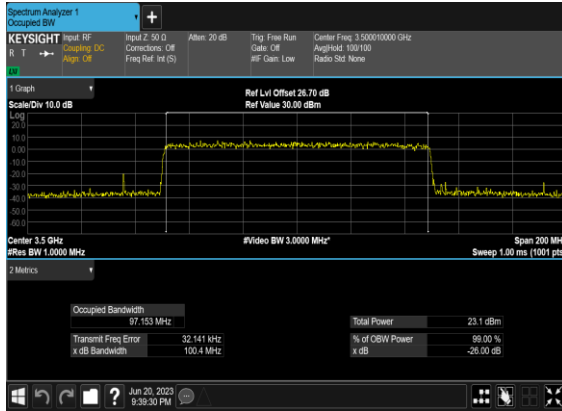
### N78(100M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



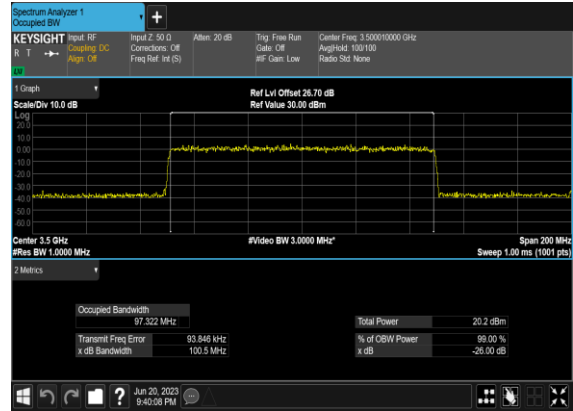
### N78(100M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



## N78(100M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



## N78(100M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH

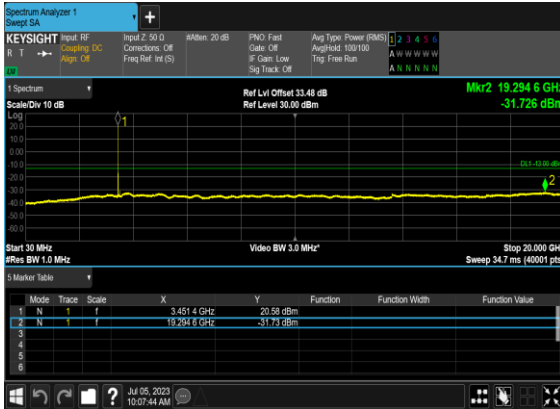


## Conducted Spurious Emissions

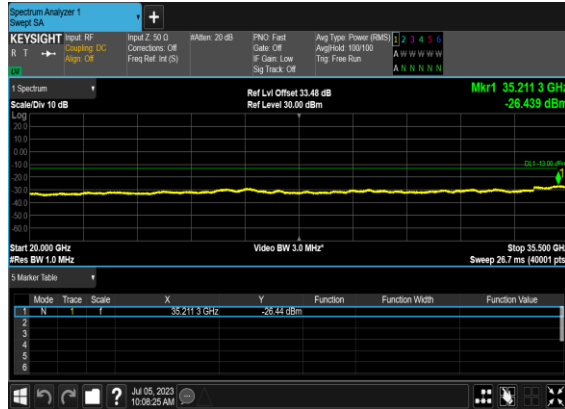
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	80	632668	3490.02	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	80	632668	3490.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	80	632668	3490.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@0	see graph	PASS

78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	80	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	80	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	80	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	80	634000	3510.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	80	634000	3510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	80	634000	3510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS

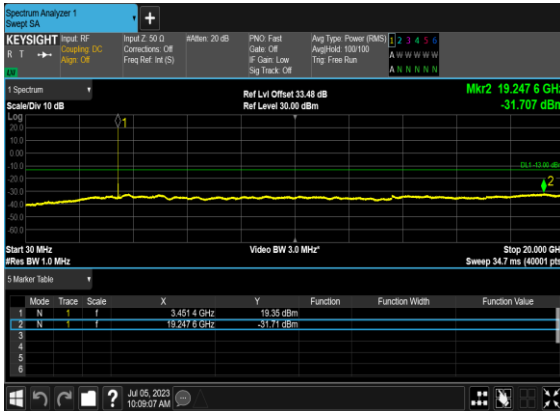
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



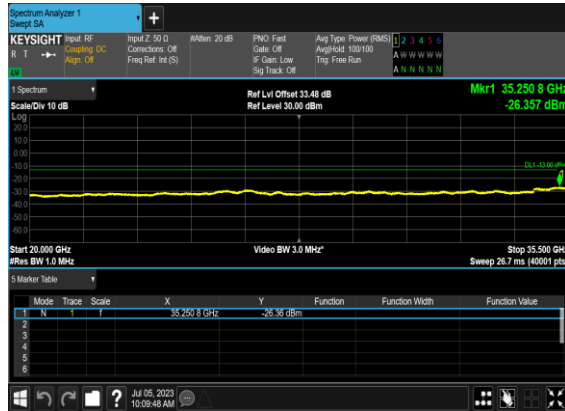
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



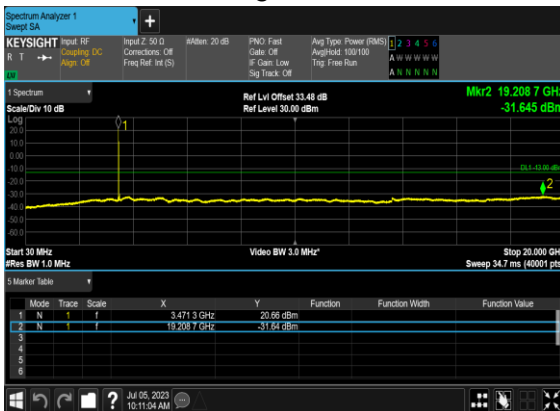
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



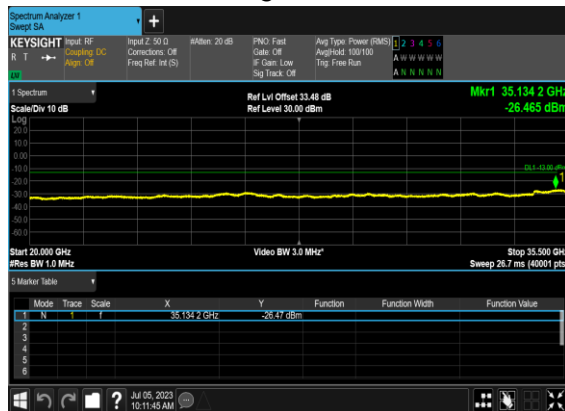
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



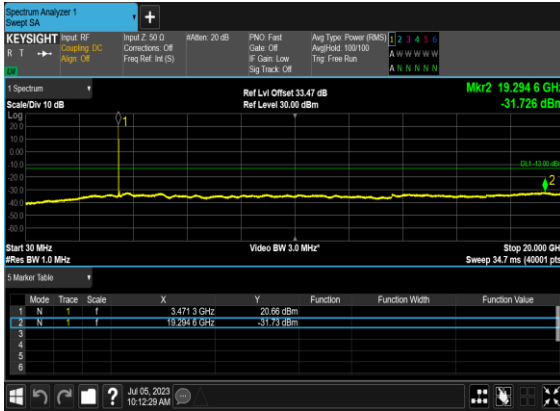
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



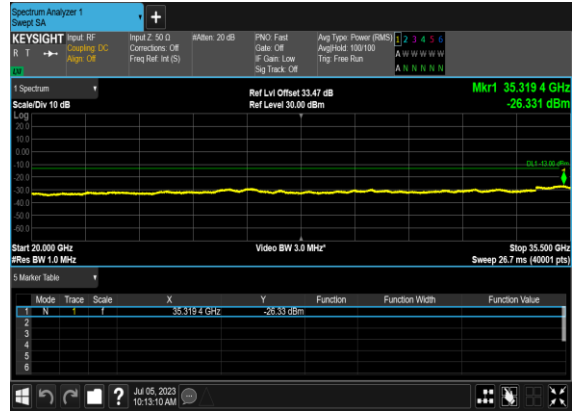
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



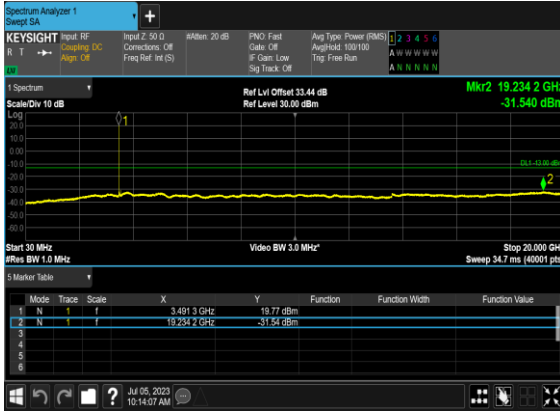
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



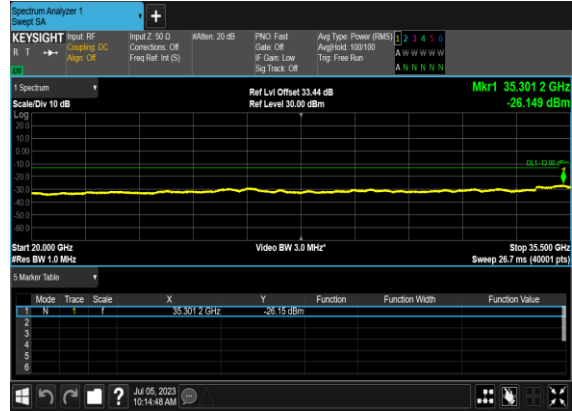
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



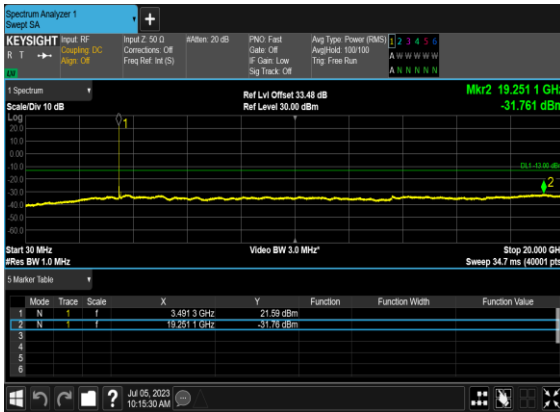
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



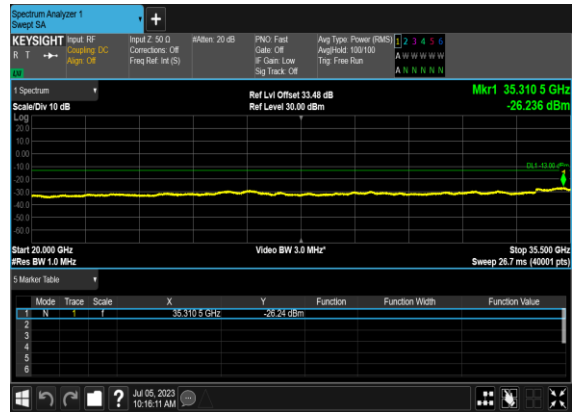
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



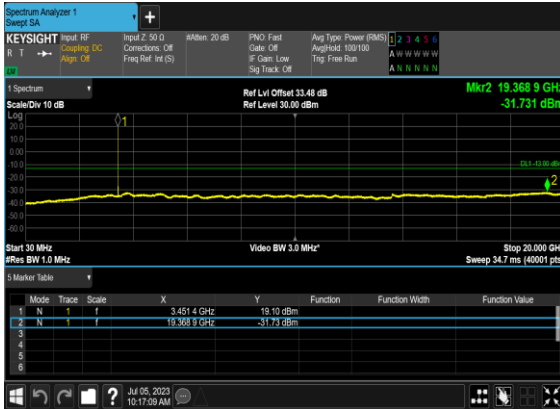
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



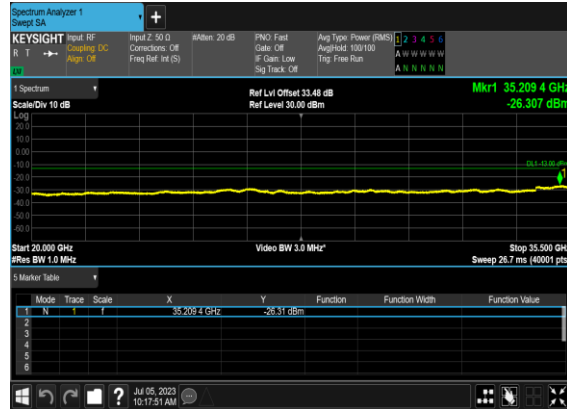
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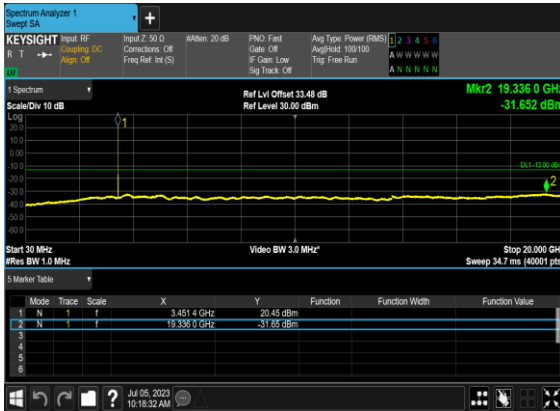
N78(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



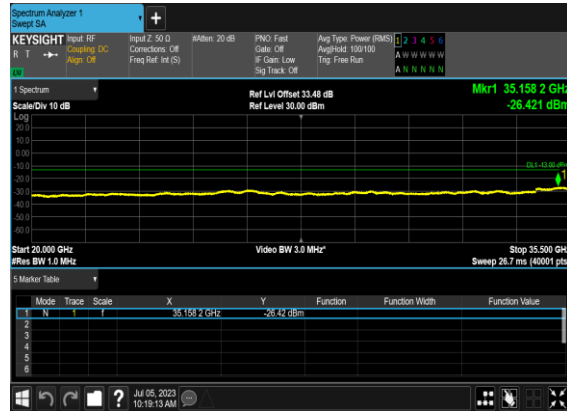
N78(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



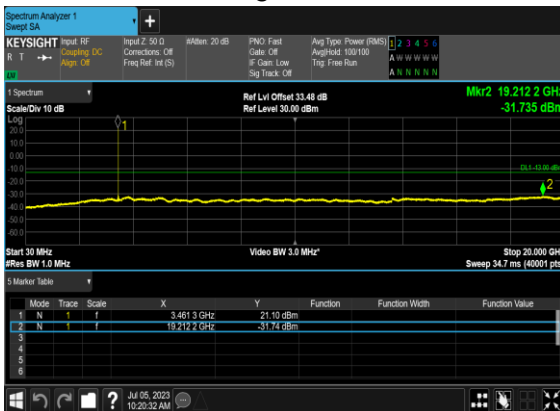
N78(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



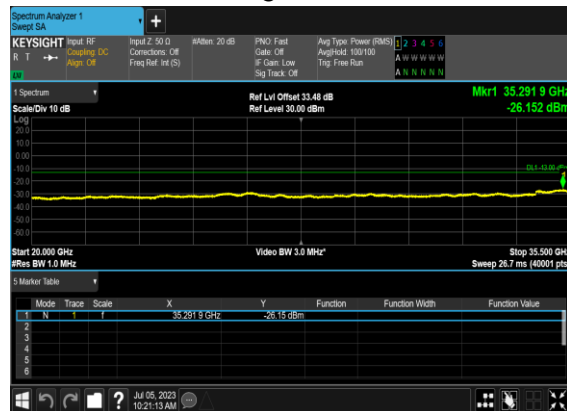
N78(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



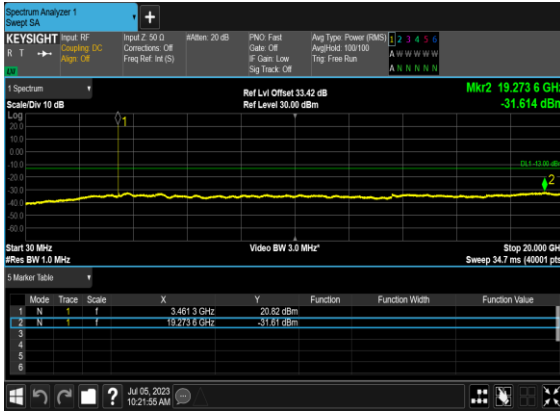
N78(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



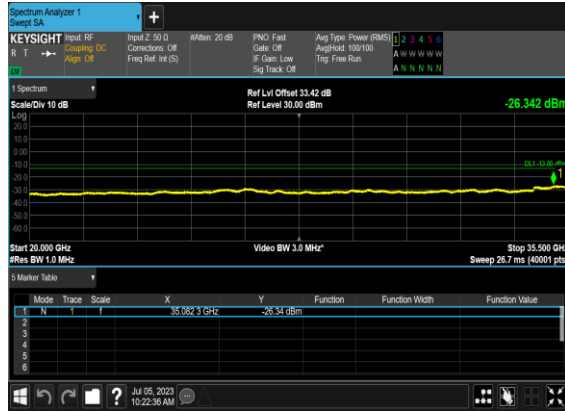
N78(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



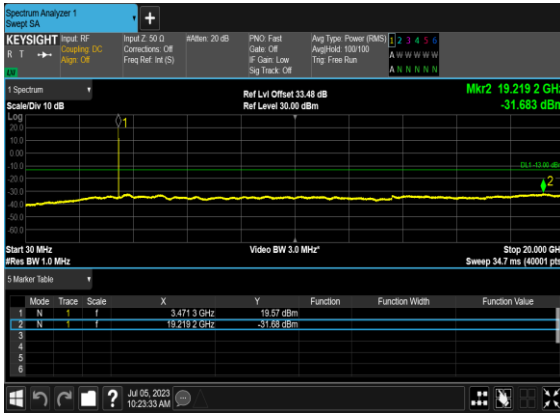
### N78(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



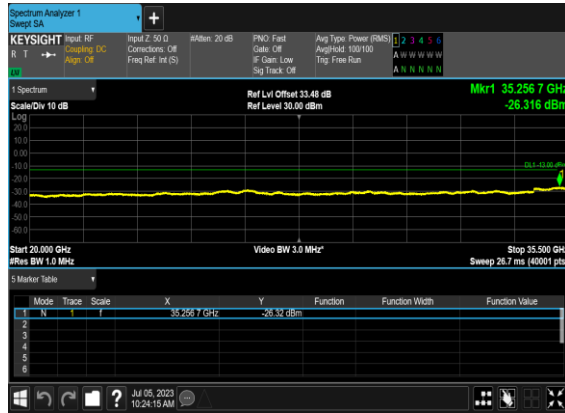
### N78(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



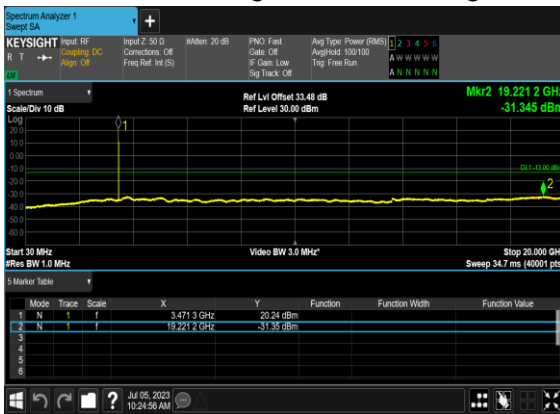
### N78(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



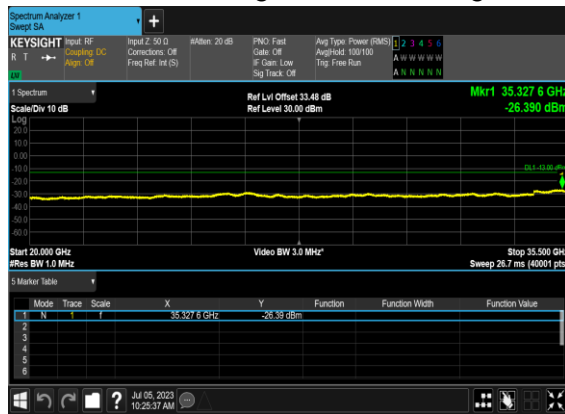
### N78(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



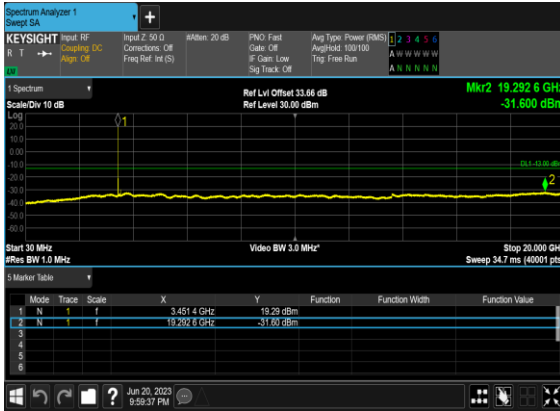
### N78(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



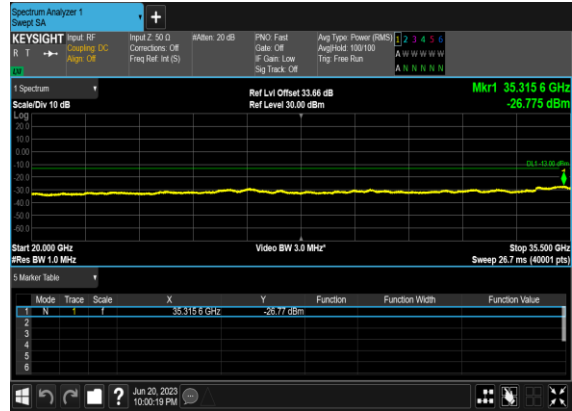
### N78(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



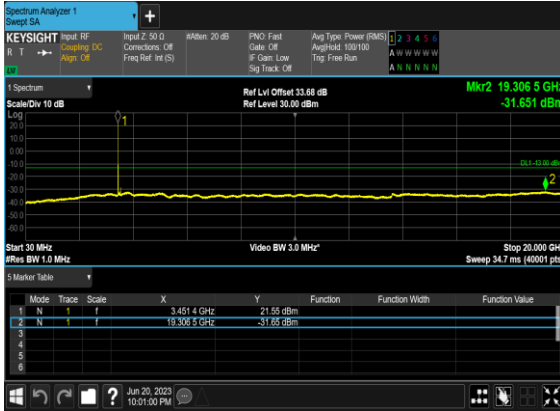
### N78(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



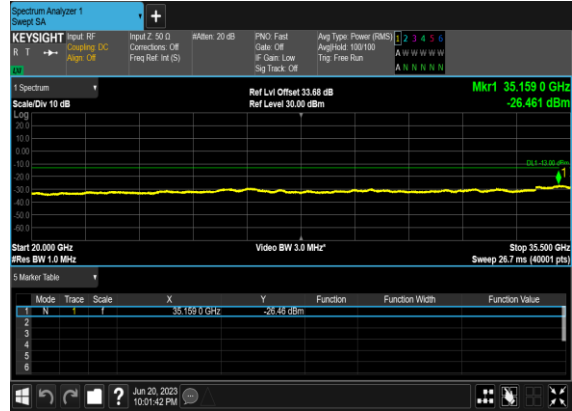
### N78(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



### N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



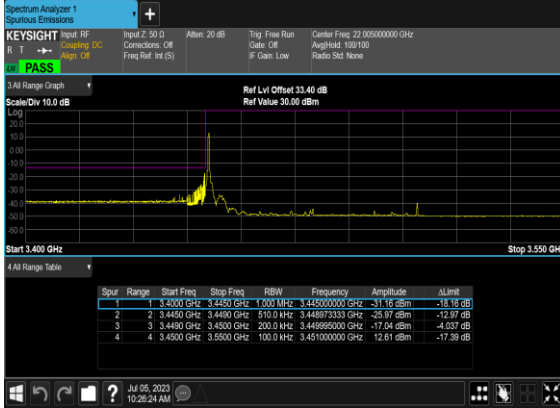
### N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



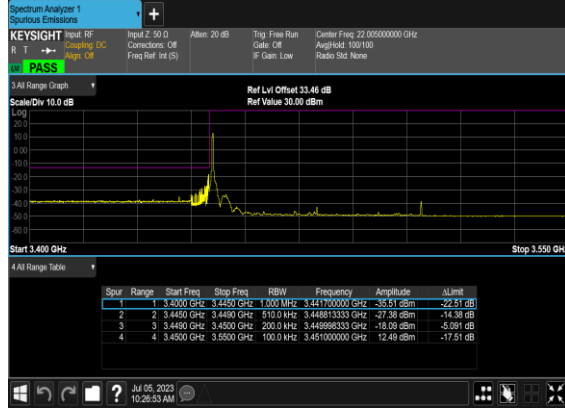
## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	80	632668	3490.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	80	632668	3490.02	DFT-s-OFDM BPSK	216@0	see graph	PASS
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	216@0	see graph	PASS
78	30	80	634000	3510.0	DFT-s-OFDM BPSK	1@216	see graph	PASS
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@216	see graph	PASS
78	30	80	634000	3510.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	PASS

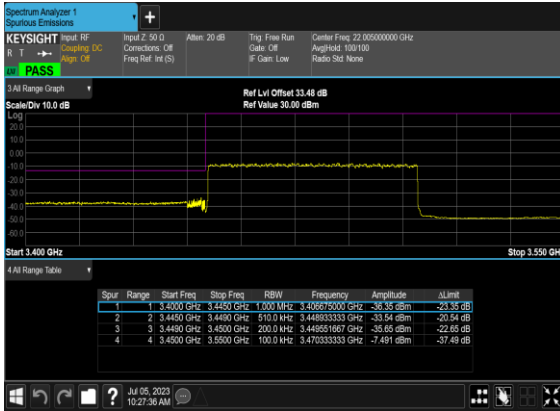
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



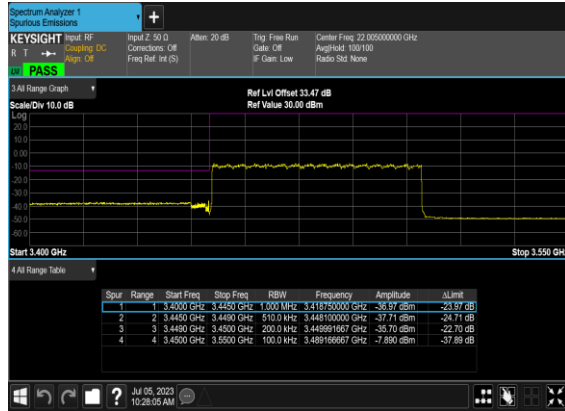
### N78(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



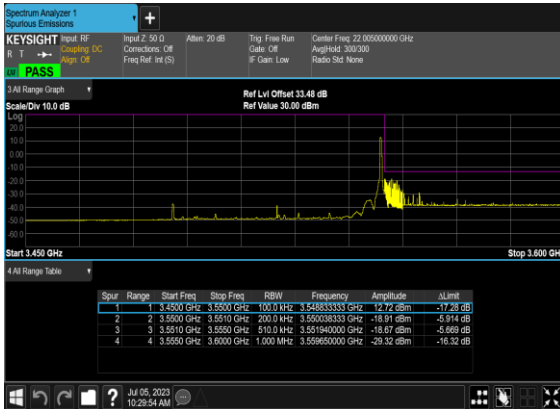
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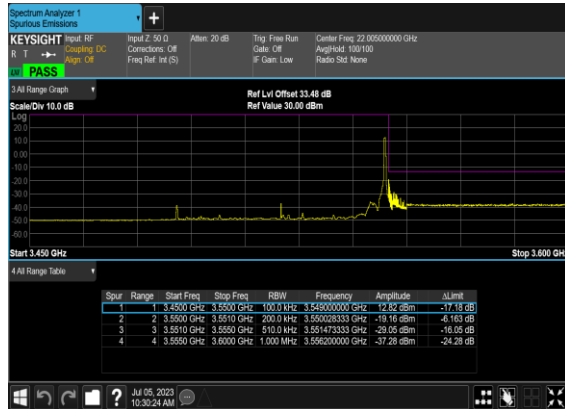
### N78(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



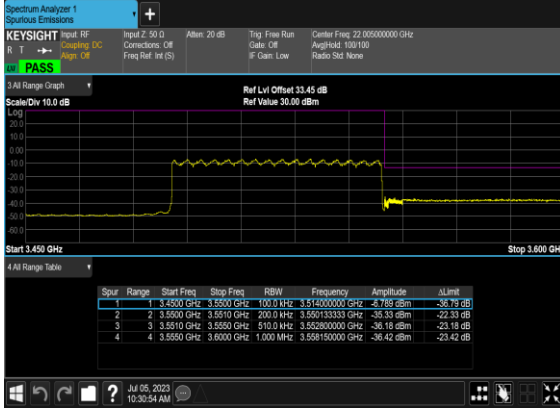
### N78(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



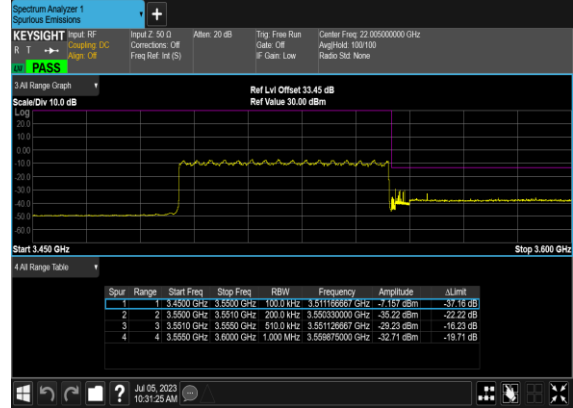
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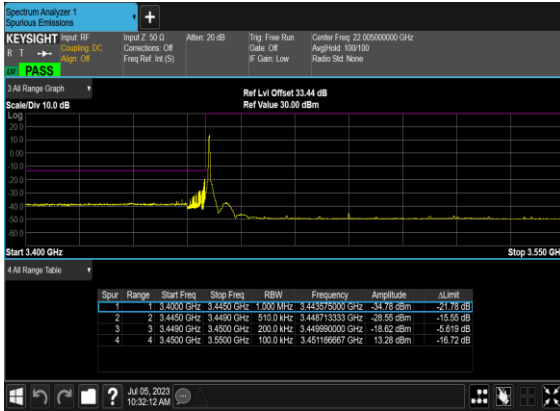
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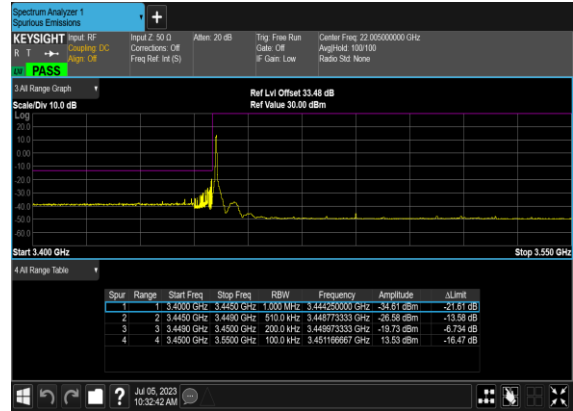
### N78(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



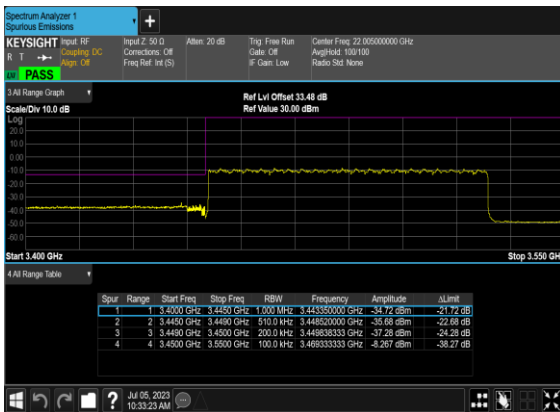
### N78(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



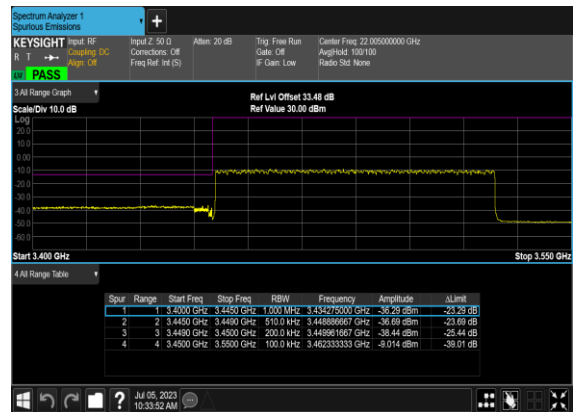
### N78(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



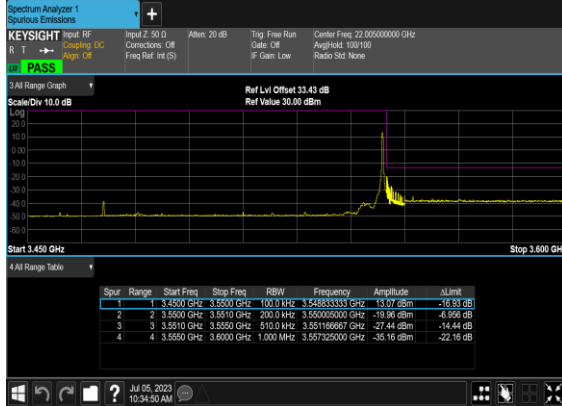
### N78(80M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



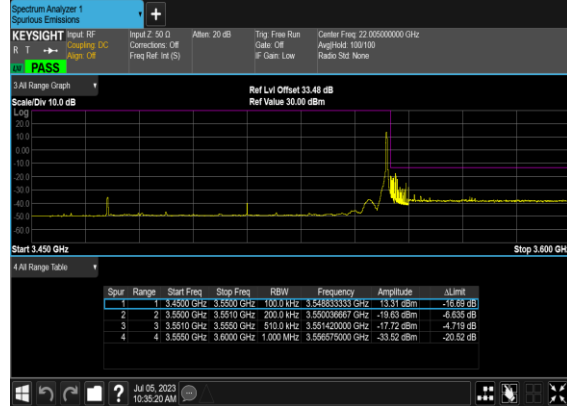
### N78(80M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



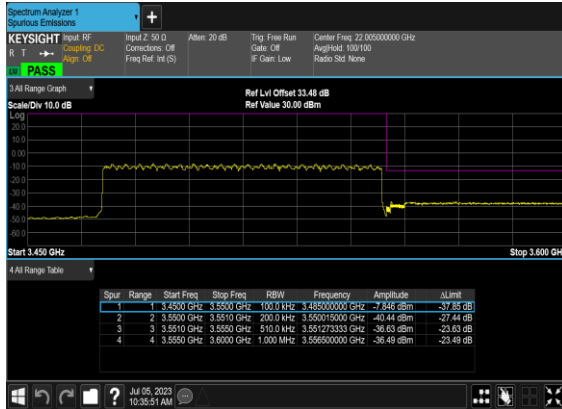
### N78(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



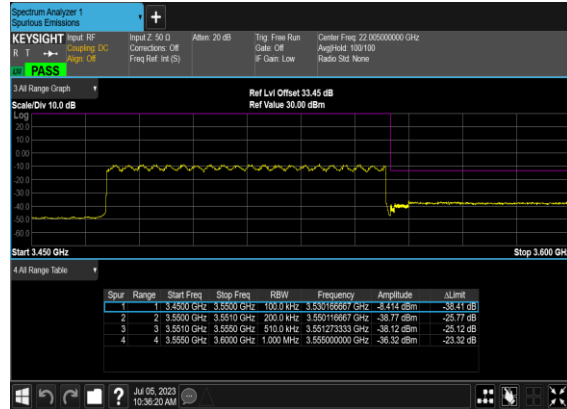
### N78(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



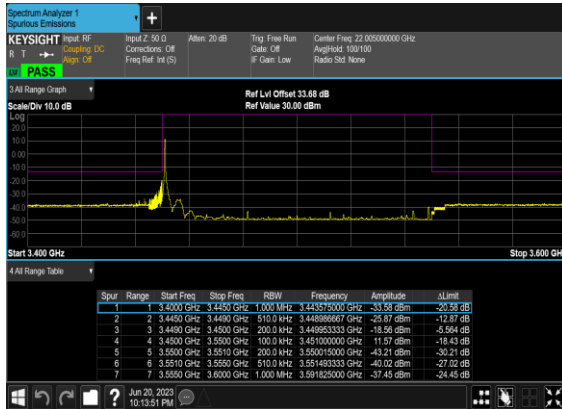
### N78(80M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



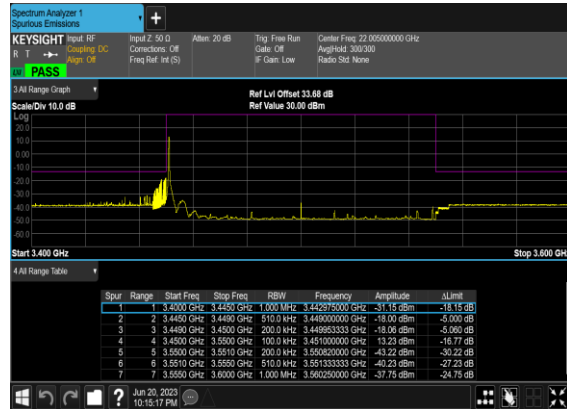
### N78(80M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



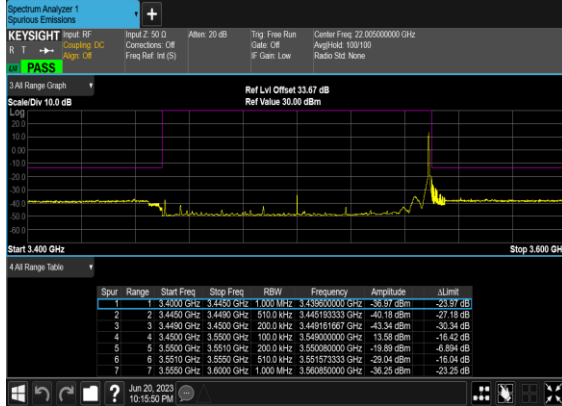
### N78(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



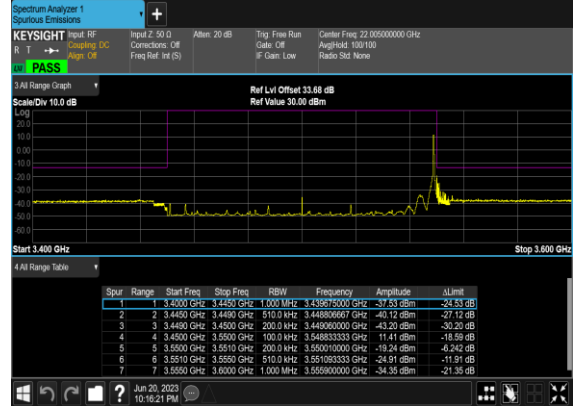
### N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



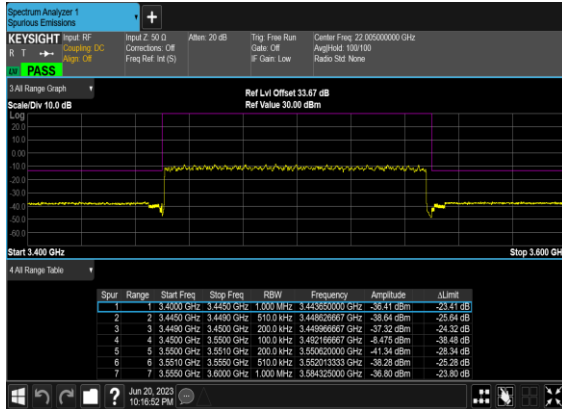
### N78(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



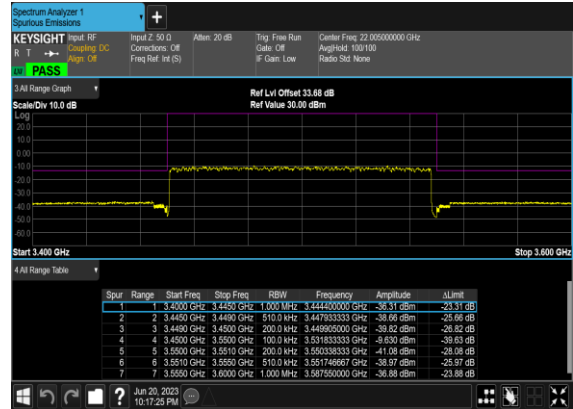
### N78(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



### N78(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



### N78(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

SA n78 / NR 100MHz / 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	6900	-59.92	-13	-46.92	-70.13	3.03	13.24	H
	10368	-61.70	-13	-48.70	-71.15	3.56	13.01	H
	13806	-58.86	-13	-45.86	-68.38	3.92	13.44	H
	6900	-57.09	-13	-44.09	-67.30	3.03	13.24	V
	10368	-62.01	-13	-49.01	-71.46	3.56	13.01	V
	13806	-55.59	-13	-42.59	-65.11	3.92	13.44	V

EN-DC_66A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT0 (LTE) & ANT5(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	6900	-57.82	-13	-44.82	-68.03	3.03	13.24	H
	10356	-59.96	-13	-46.96	-69.41	3.56	13.01	H
	13806	-56.91	-13	-43.91	-66.43	3.92	13.44	H
	6900	-52.90	-13	-39.90	-63.11	3.03	13.24	V
	10356	-56.88	-13	-43.88	-66.33	3.56	13.01	V
	13806	-54.66	-13	-41.66	-64.18	3.92	13.44	V

EN-DC_7A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT1 (LTE) & ANT5(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	6900	-59.87	-13	-46.87	-70.08	3.03	13.24	H
	10356	-60.31	-13	-47.31	-69.76	3.56	13.01	H
	13806	-53.76	-13	-40.76	-63.28	3.92	13.44	H
	6900	-51.12	-13	-38.12	-61.33	3.03	13.24	V
	10356	-58.95	-13	-45.95	-68.40	3.56	13.01	V
	13806	-56.79	-13	-43.79	-66.31	3.92	13.44	V

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