99% & 26dB Bandwidth

Test Result

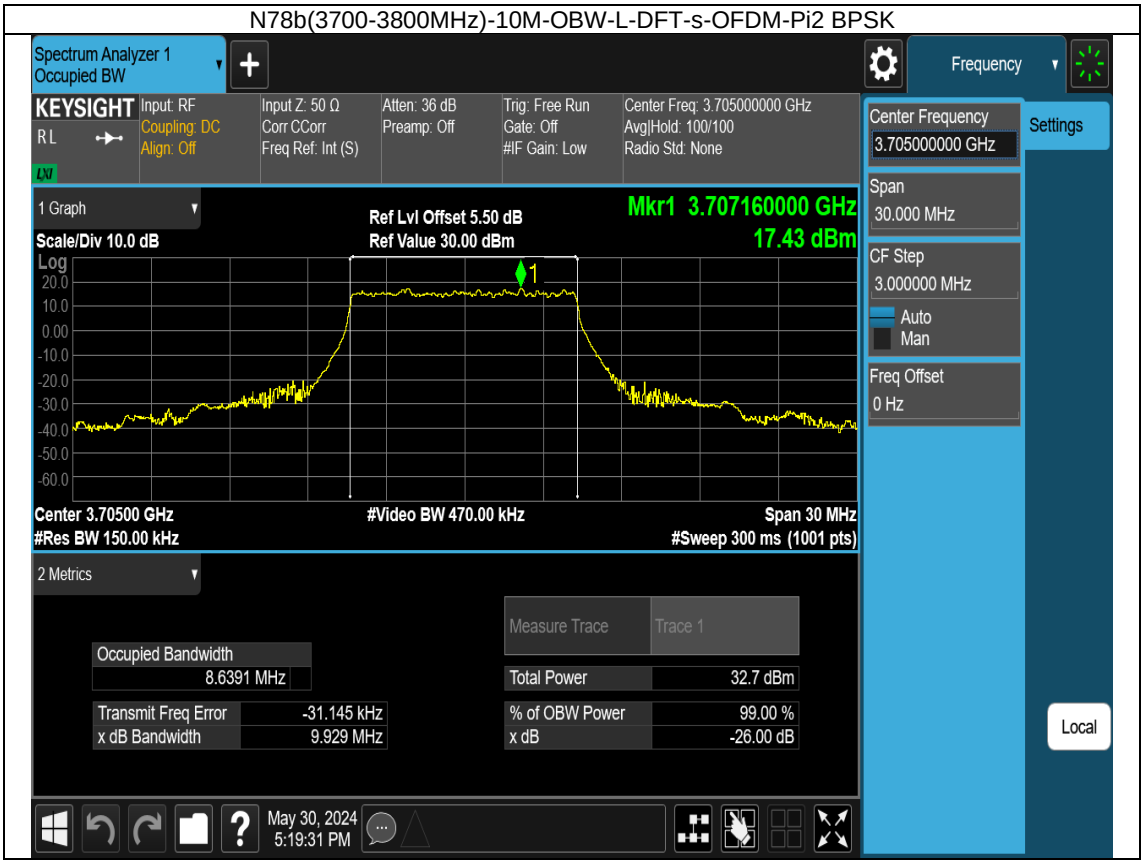
5G NR n78b(3700-3800MHz SCS=30kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	8.639	9.929	/	Pass
CP-OFDM QPSK		Outer_Full	8.631	10.11	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.656	9.974	/	Pass
CP-OFDM QPSK		Outer_Full	8.657	10.14	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	8.598	9.894	/	Pass
CP-OFDM QPSK		Outer_Full	8.665	10.22	/	Pass

5G NR n78b(3700-3800MHz SCS=30kHz 15MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	13.032	14.72	/	Pass
CP-OFDM QPSK		Outer_Full	13.679	15.53	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	13.041	14.67	/	Pass
CP-OFDM QPSK		Outer_Full	13.692	15.40	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	12.967	14.75	/	Pass
CP-OFDM QPSK		Outer_Full	13.659	15.54	/	Pass

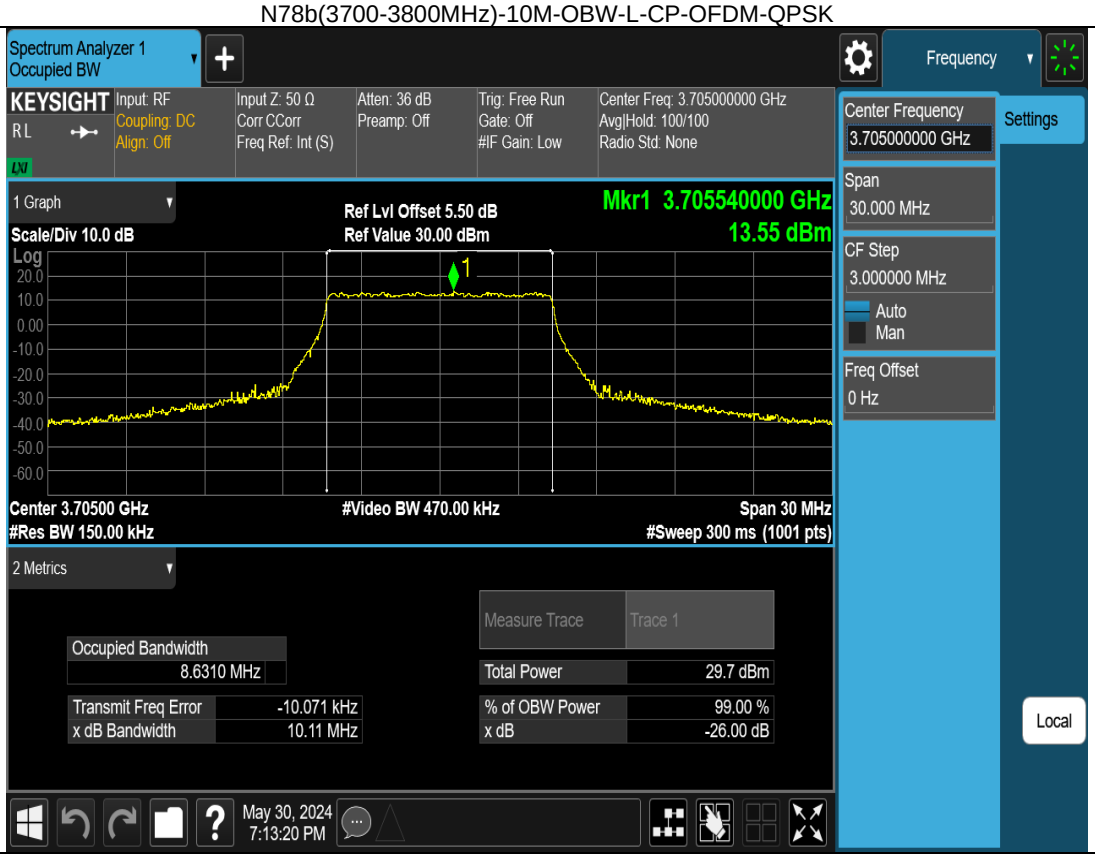
5G NR n78b(3700-3800MHz SCS=30kHz 20MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	17.933	19.65	/	Pass
CP-OFDM QPSK		Outer_Full	18.240	20.03	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	17.935	19.78	/	Pass
CP-OFDM QPSK		Outer_Full	18.268	20.21	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	17.901	19.46	/	Pass
CP-OFDM QPSK		Outer_Full	18.275	20.05	/	Pass

Test graph

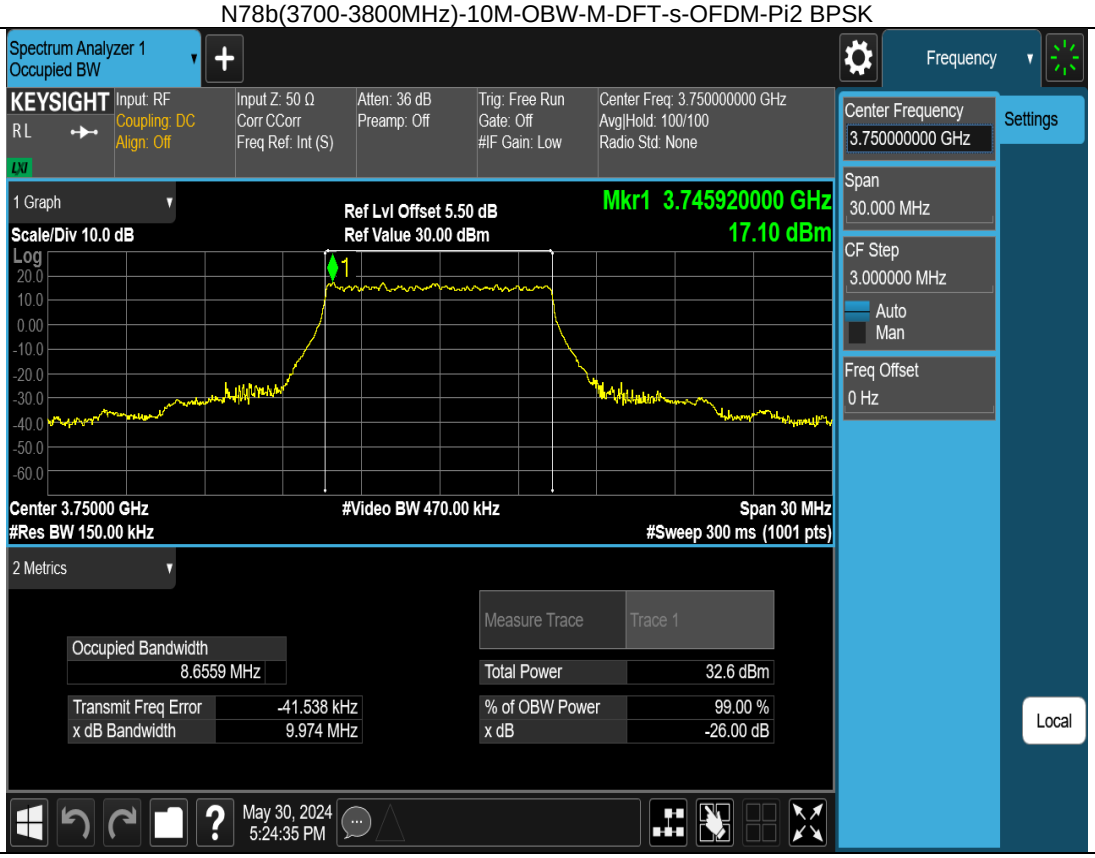
N78b(3700-3800MHz)-10M-OBW-L-DFT-s-OFDM-Pi2 BPSK



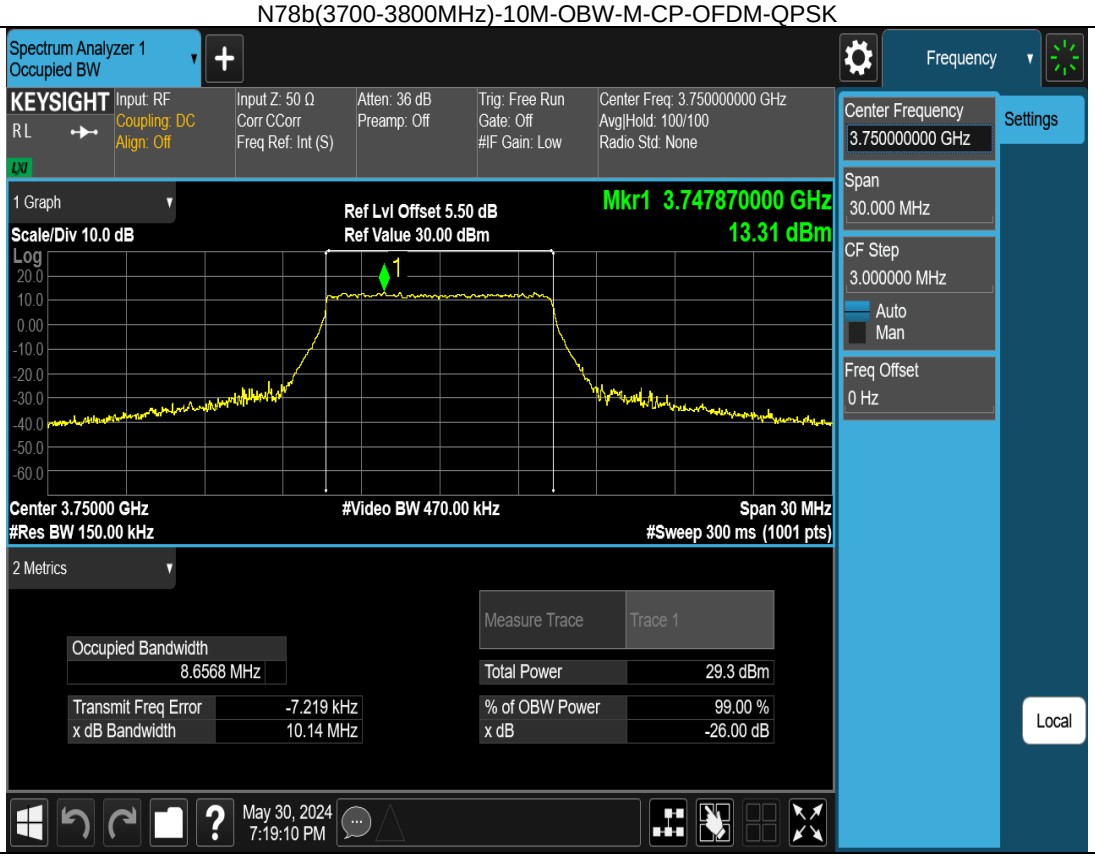
N78b(3700-3800MHz)-10M-OBW-L-CP-OFDM-QPSK



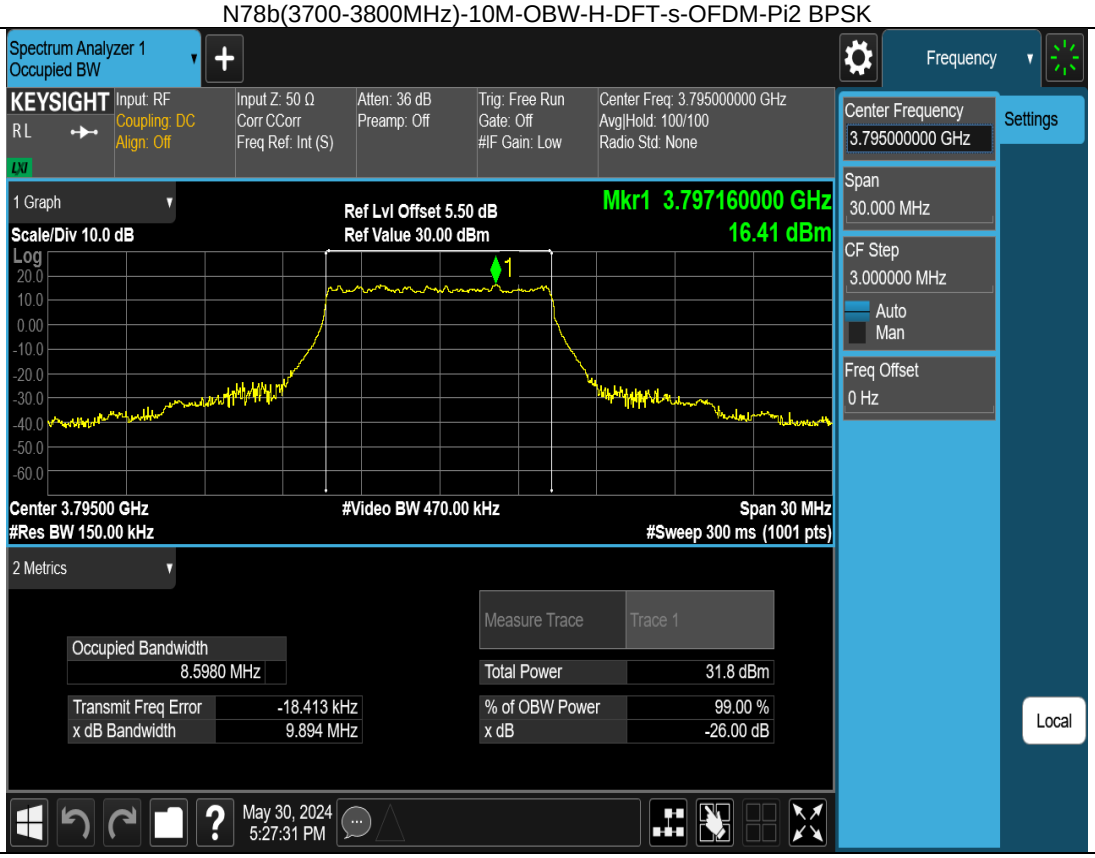
N78b(3700-3800MHz)-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



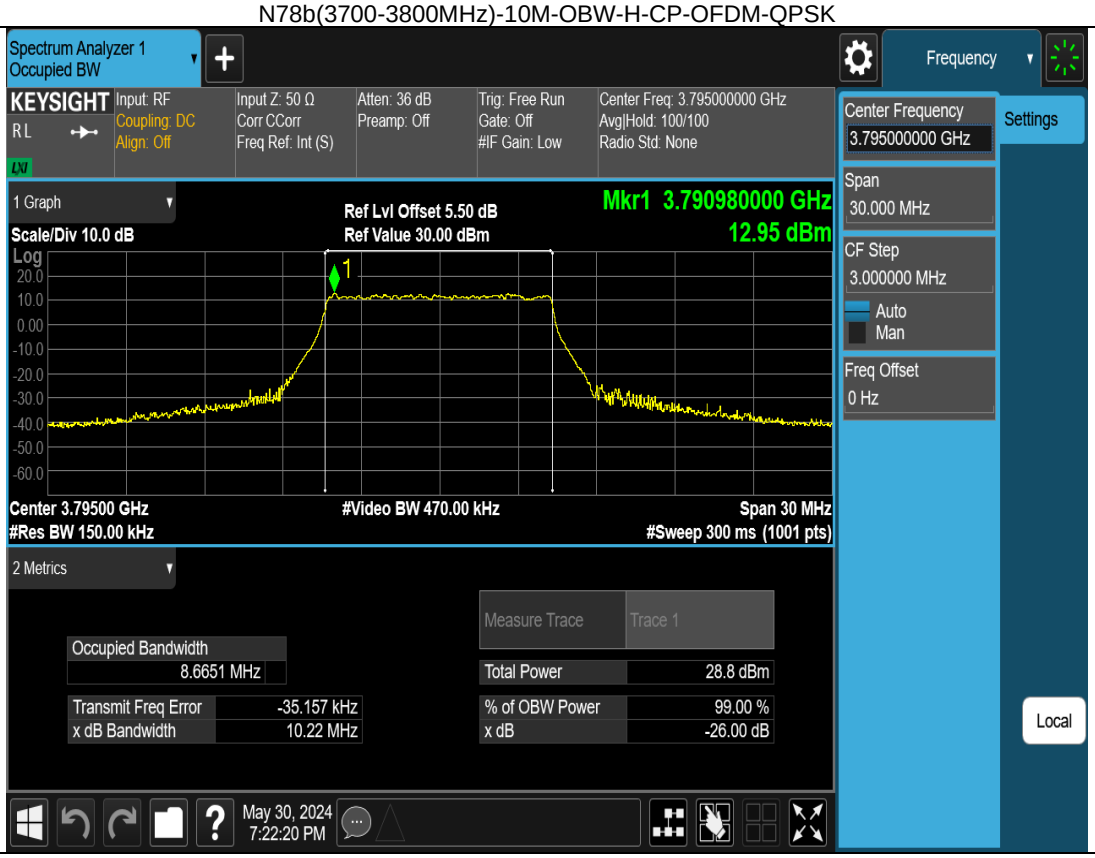
N78b(3700-3800MHz)-10M-OBW-M-CP-OFDM-QPSK



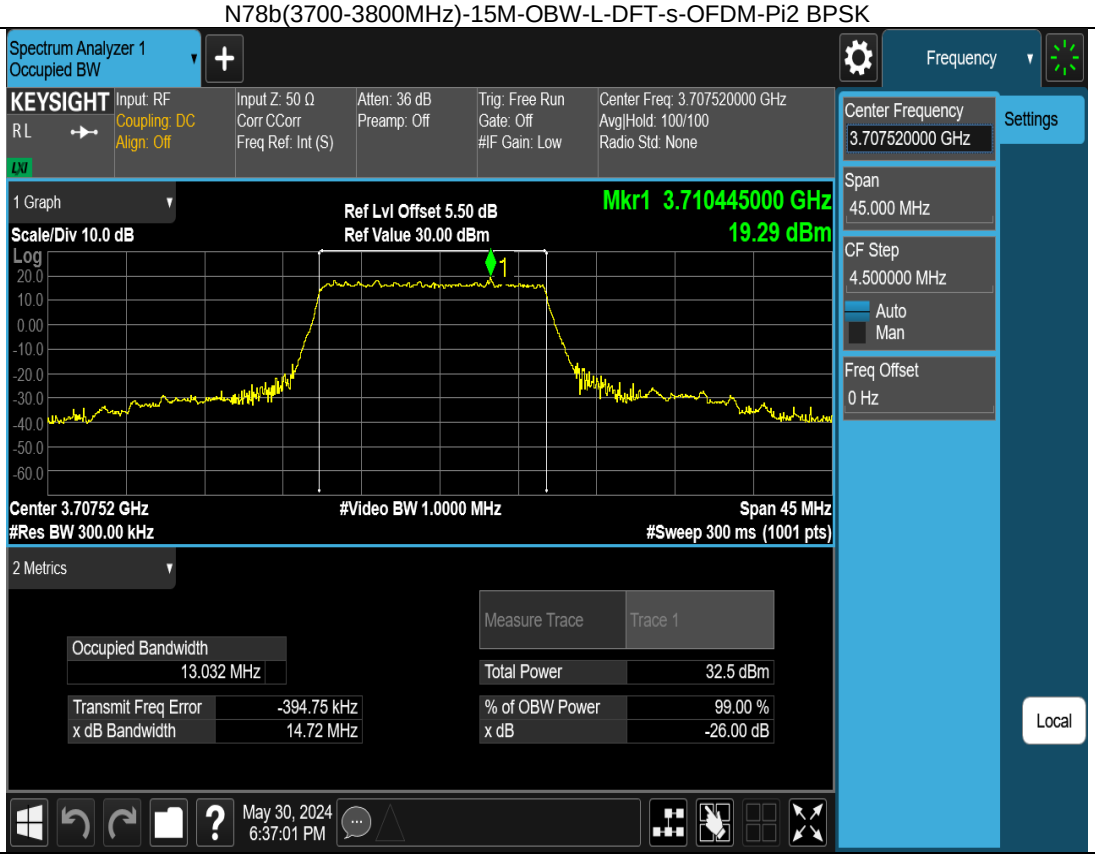
N78b(3700-3800MHz)-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



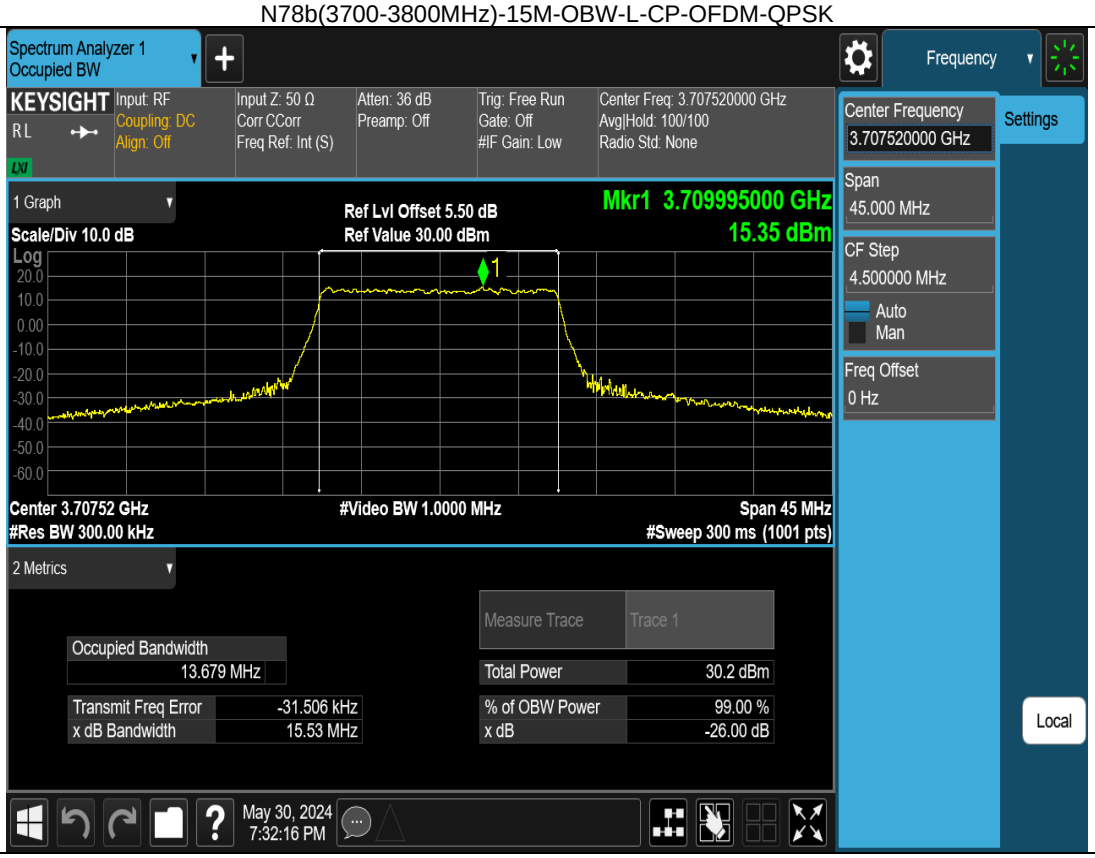
N78b(3700-3800MHz)-10M-OBW-H-CP-OFDM-QPSK



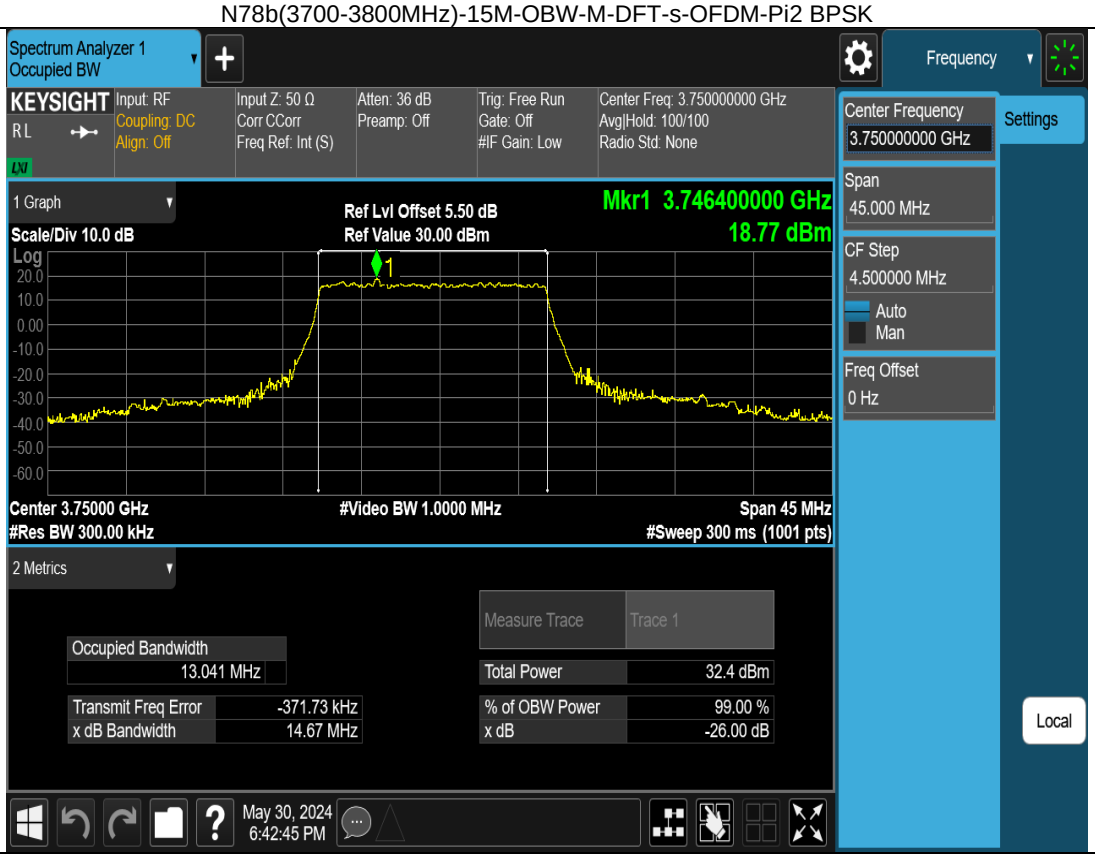
N78b(3700-3800MHz)-15M-OBW-L-DFT-s-OFDM-Pi2 BPSK



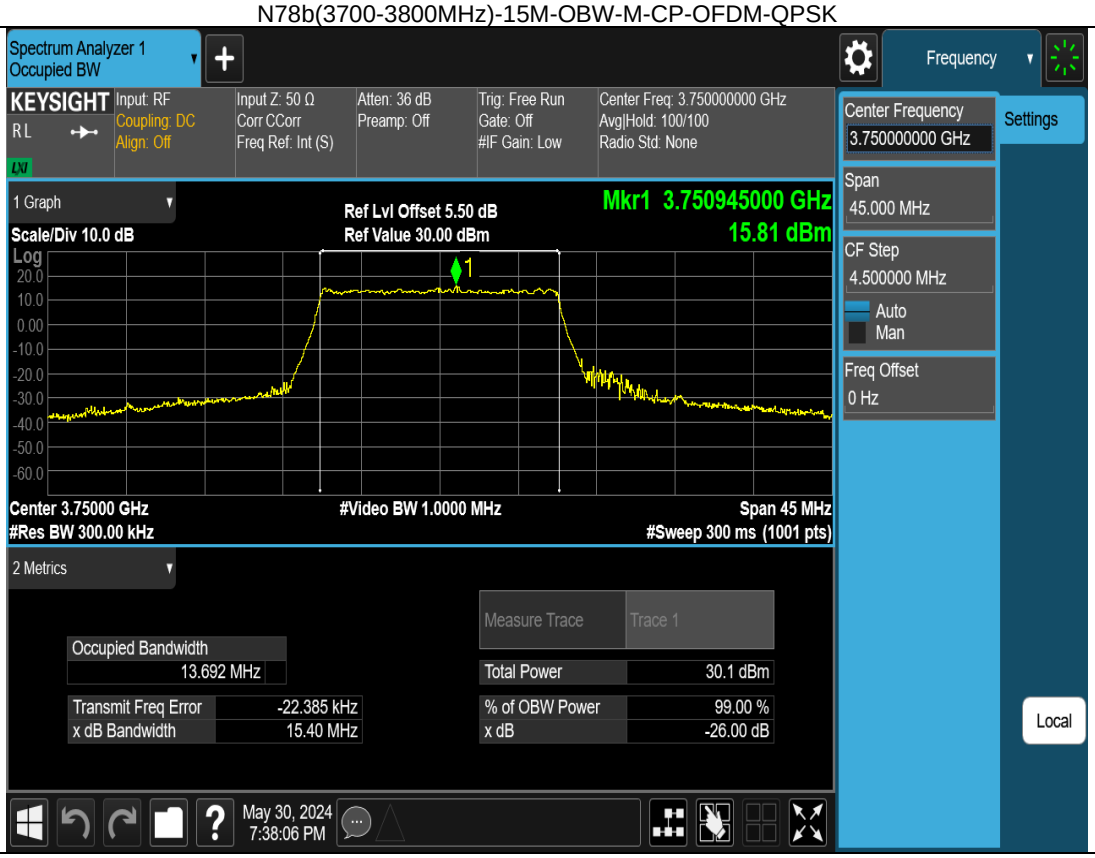
N78b(3700-3800MHz)-15M-OBW-L-CP-OFDM-QPSK



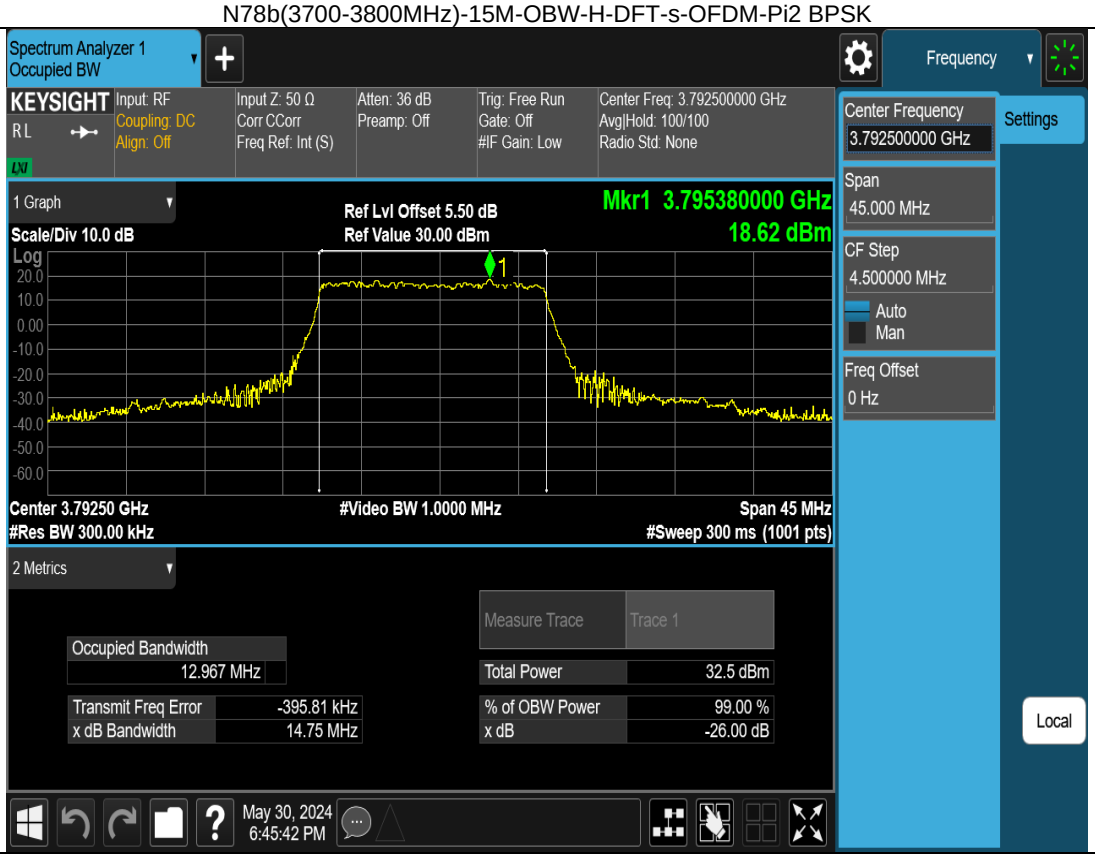
N78b(3700-3800MHz)-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



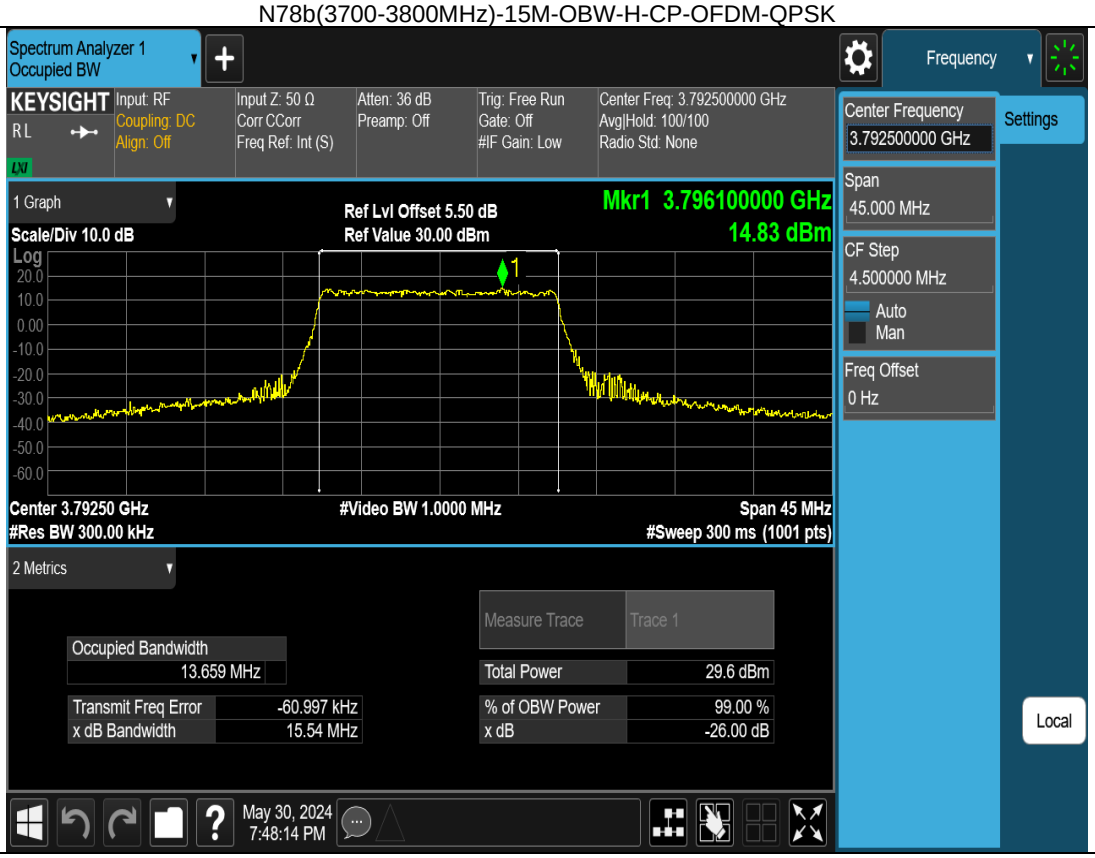
N78b(3700-3800MHz)-15M-OBW-M-CP-OFDM-QPSK



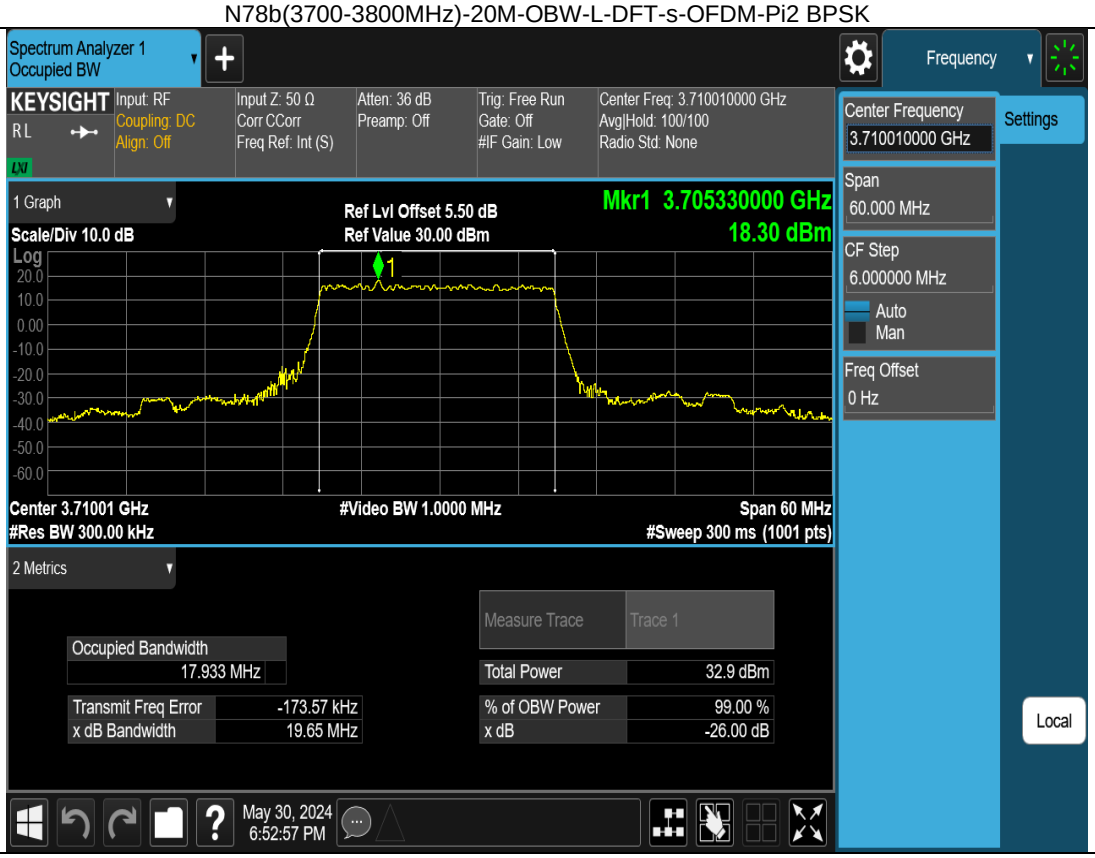
N78b(3700-3800MHz)-15M-OBW-H-DFT-s-OFDM-Pi2 BPSK



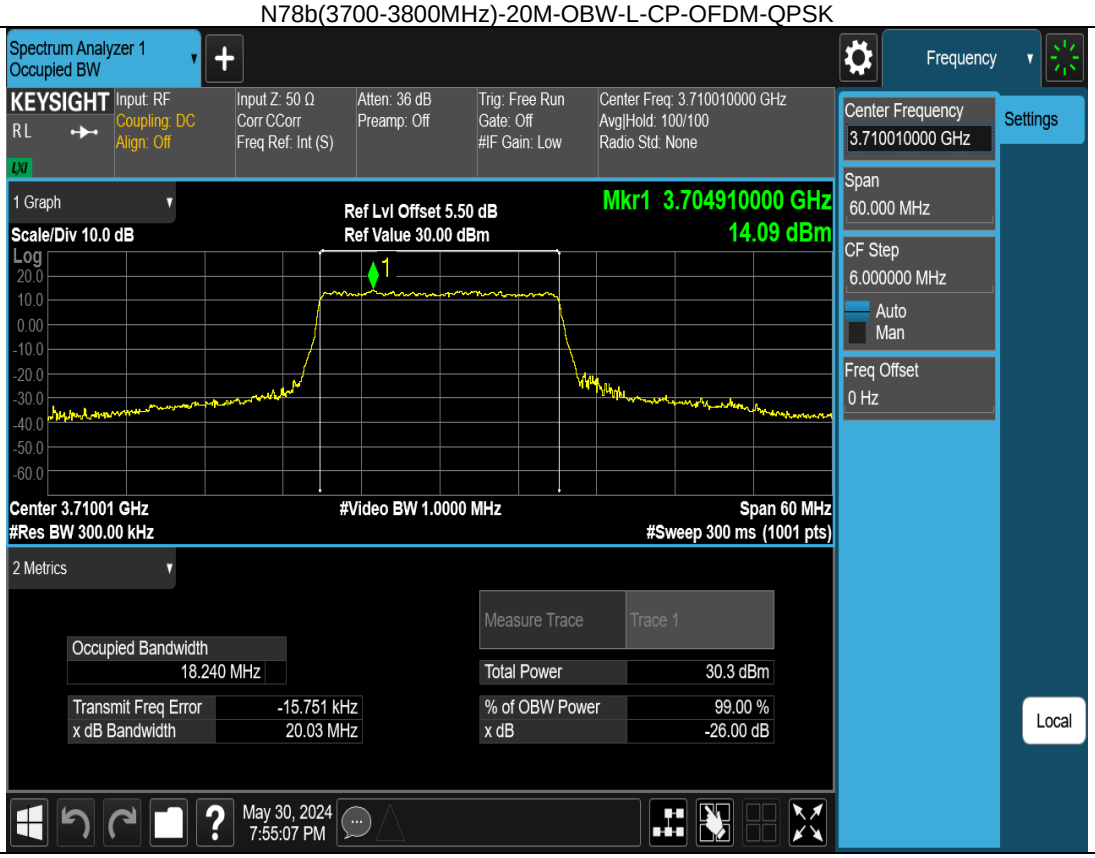
N78b(3700-3800MHz)-15M-OBW-H-CP-OFDM-QPSK



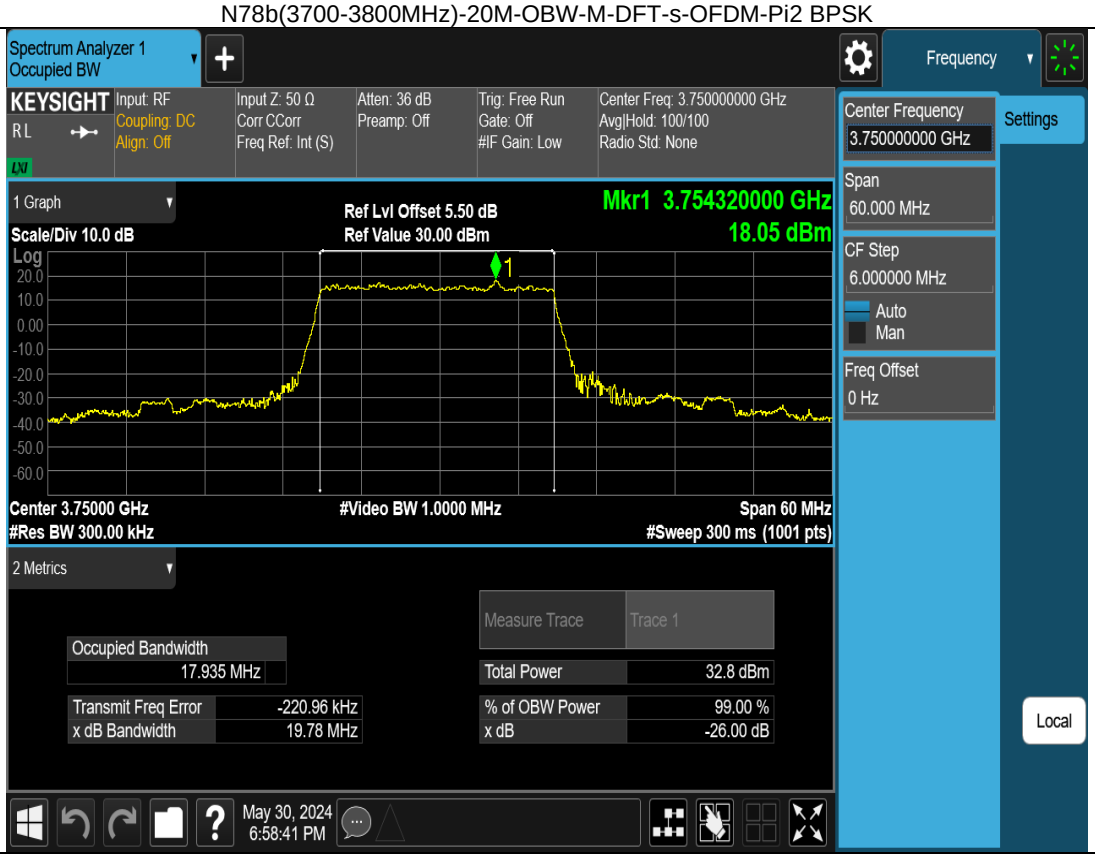
N78b(3700-3800MHz)-20M-OBW-L-DFT-s-OFDM-Pi2 BPSK



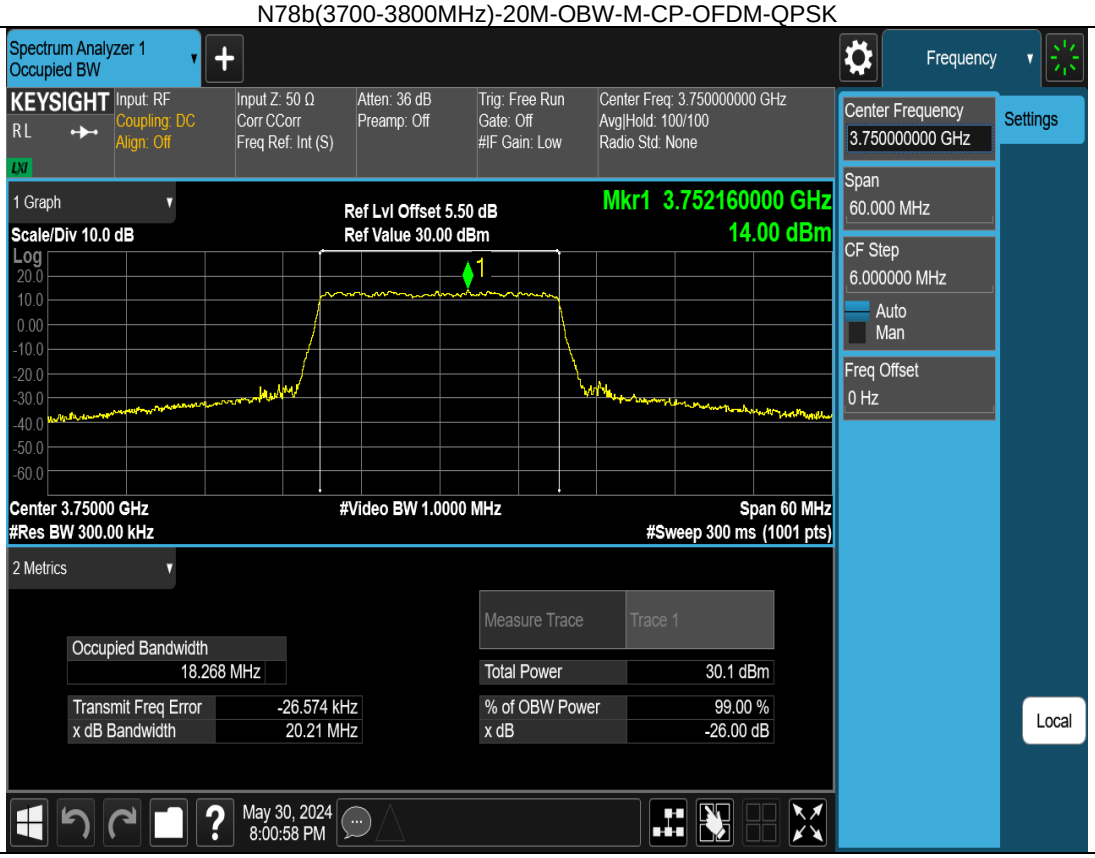
N78b(3700-3800MHz)-20M-OBW-L-CP-OFDM-QPSK



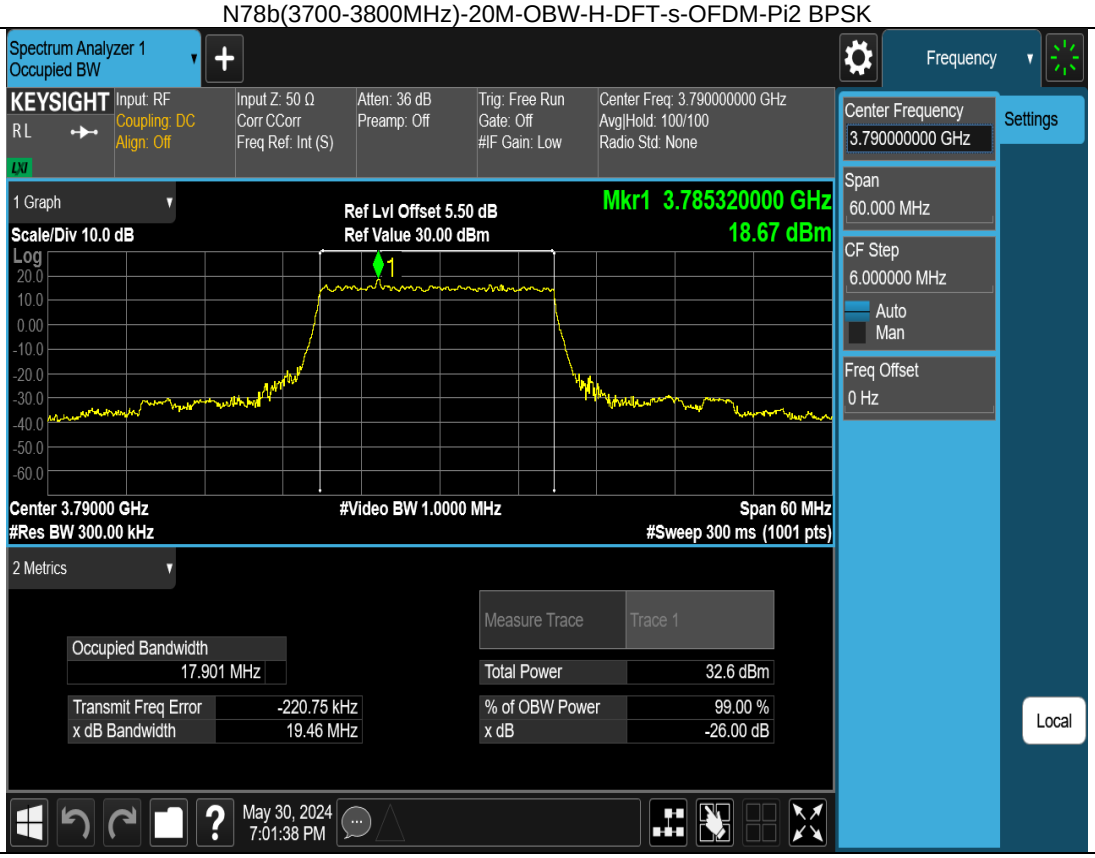
N78b(3700-3800MHz)-20M-OBW-M-DFT-s-OFDM-Pi2 BPSK



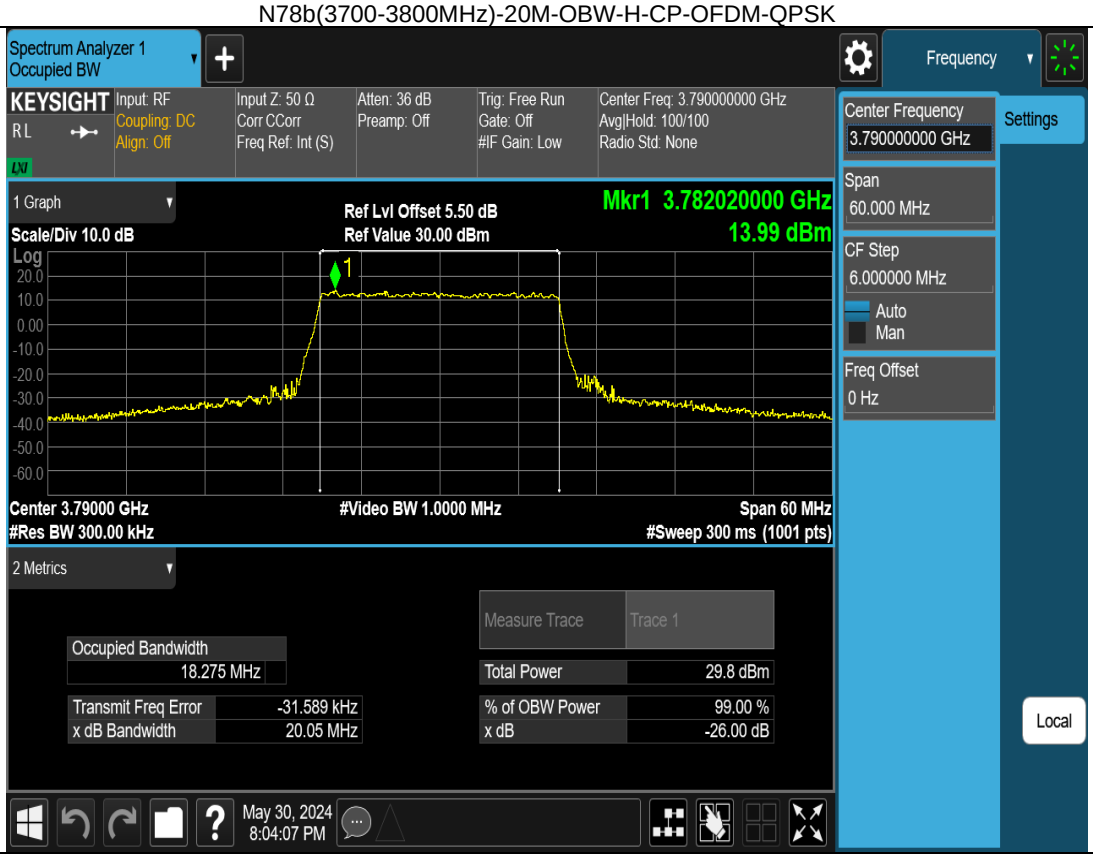
N78b(3700-3800MHz)-20M-OBW-M-CP-OFDM-QPSK



N78b(3700-3800MHz)-20M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N78b(3700-3800MHz)-20M-OBW-H-CP-OFDM-QPSK



Peak-Average Ratio

Test Result

5G NR n78b(3700-3800MHz SCS=30kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.04	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.25	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	4.29	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.88	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.46	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.37	<=13	Pass

5G NR n78b(3700-3800MHz SCS=30kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.15	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.36	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	4.25	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.91	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.31	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.39	<=13	Pass

5G NR n78b(3700-3800MHz SCS=30kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	3.97	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.26	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	4.22	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.75	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.20	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.26	<=13	Pass

Test Graph

N78b(3700-3800MHz)-10M-PAPR-L-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N78b(3700-3800MHz)-10M-PAPR-L-CP-OFDM-QPSK-Outer_Full

N78b(3700-3800MHz)-10M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N78b(3700-3800MHz)-10M-PAPR-M-CP-OFDM-QPSK-Outer_Full

N78b(3700-3800MHz)-10M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N78b(3700-3800MHz)-10M-PAPR-H-CP-OFDM-QPSK-Outer_Full

N78b(3700-3800MHz)-15M-PAPR-L-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N78b(3700-3800MHz)-15M-PAPR-L-CP-OFDM-QPSK-Outer_Full

N78b(3700-3800MHz)-15M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N78b(3700-3800MHz)-15M-PAPR-M-CP-OFDM-QPSK-Outer_Full

N78b(3700-3800MHz)-15M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full

N78b(3700-3800MHz)-15M-PAPR-H-CP-OFDM-QPSK-Outer_Full

N78b(3700-3800MHz)-20M-PAPR-L-DFT-s-OFDM-Pi2 BPSK-Outer_Full

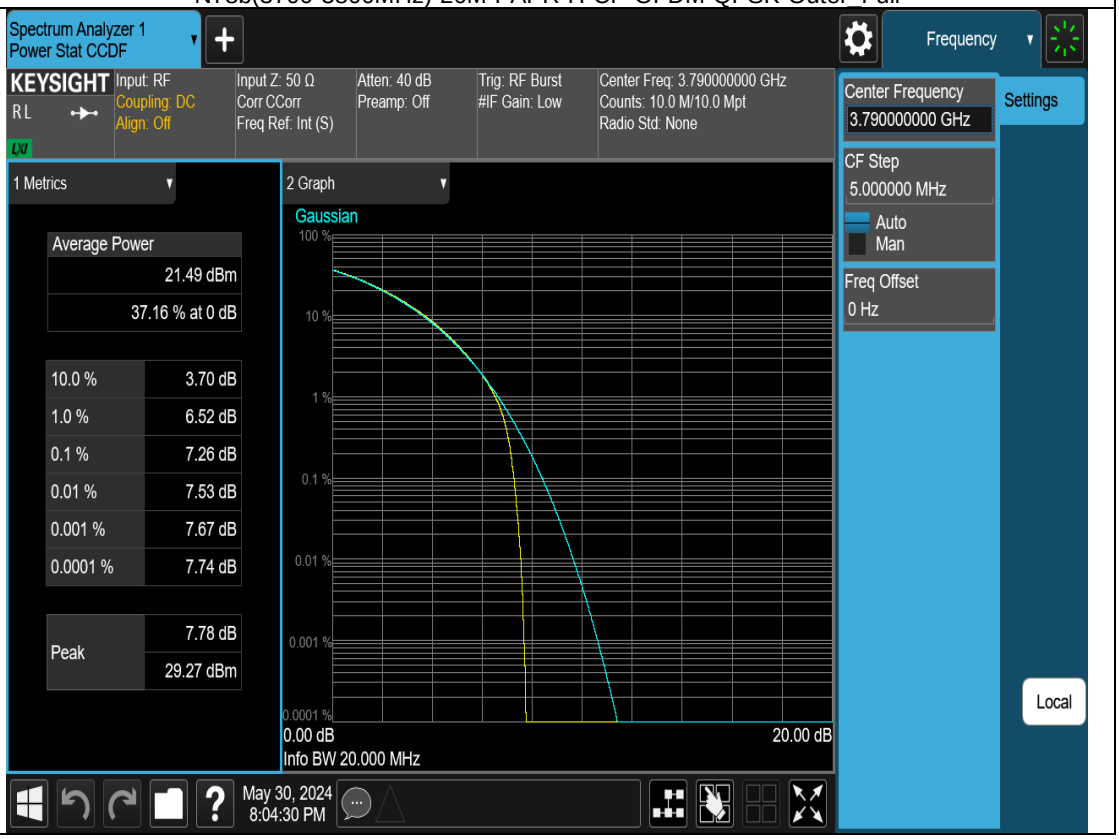
N78b(3700-3800MHz)-20M-PAPR-L-CP-OFDM-QPSK-Outer_Full

N78b(3700-3800MHz)-20M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full

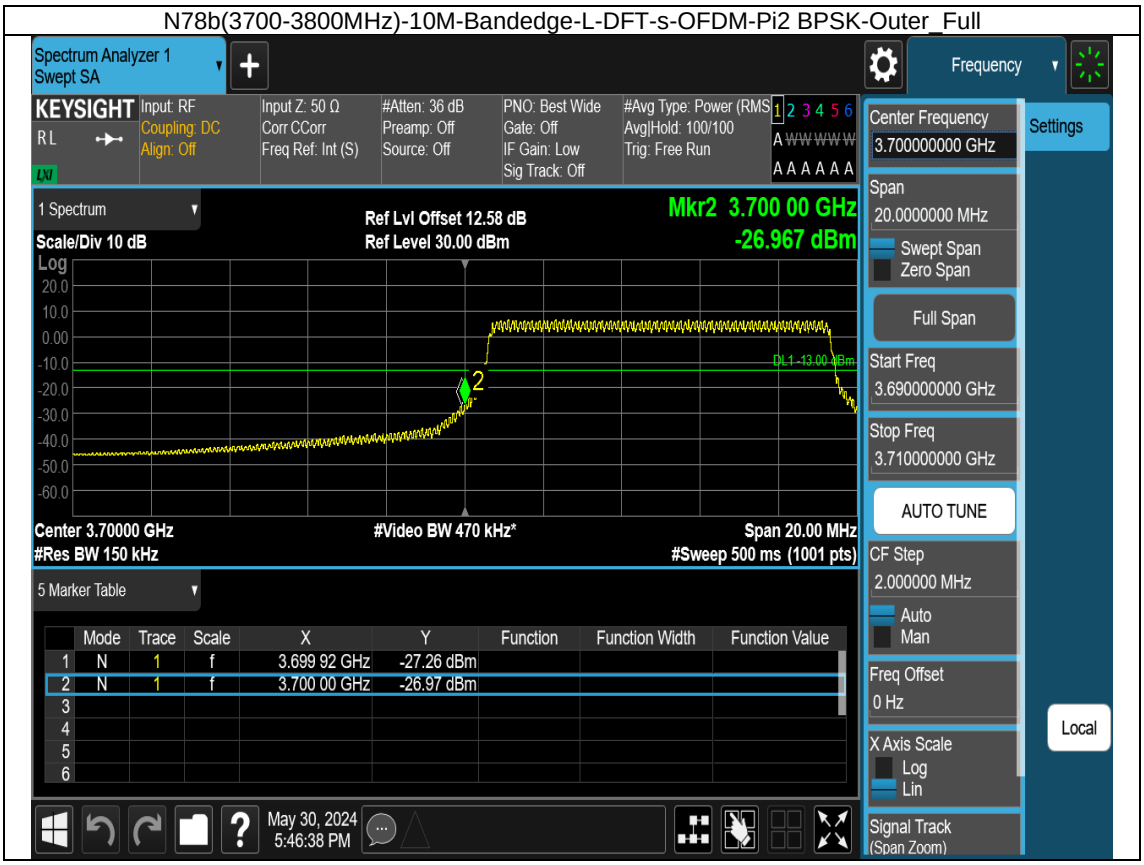
N78b(3700-3800MHz)-20M-PAPR-M-CP-OFDM-QPSK-Outer_Full

N78b(3700-3800MHz)-20M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full

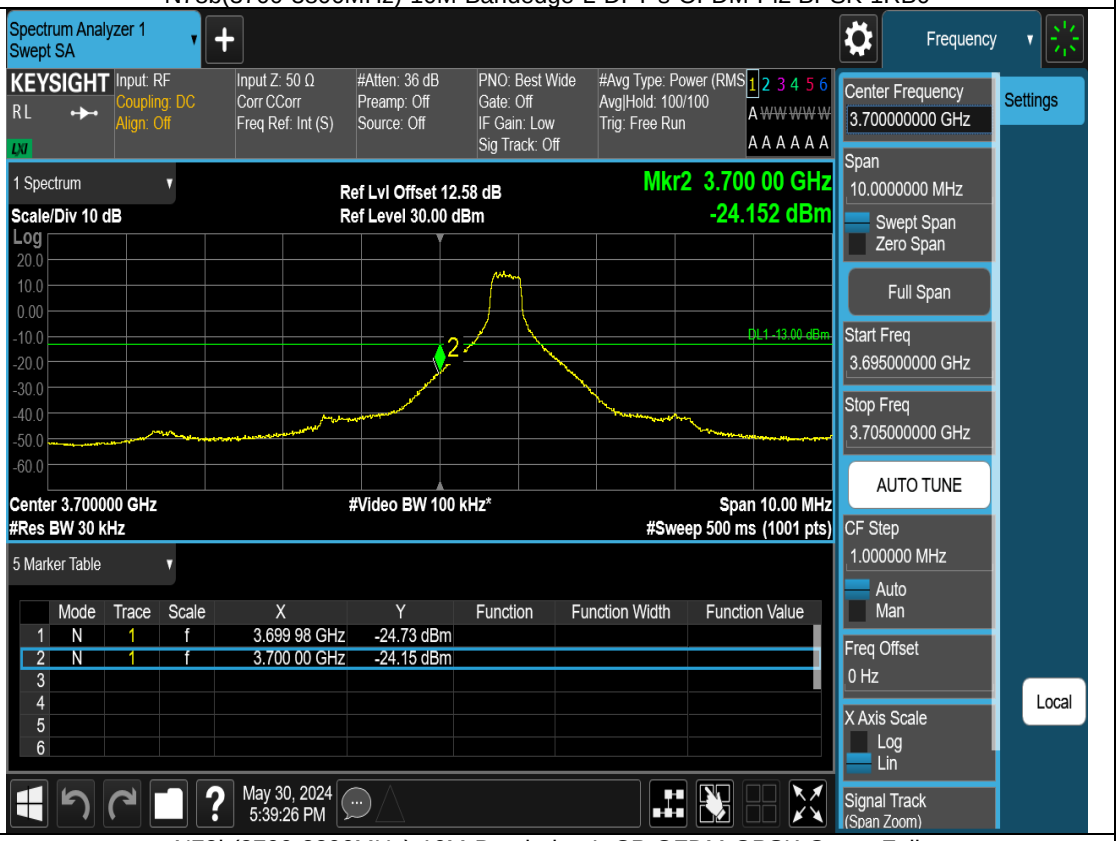
N78b(3700-3800MHz)-20M-PAPR-H-CP-OFDM-QPSK-Outer_Full



Bandedge test graph

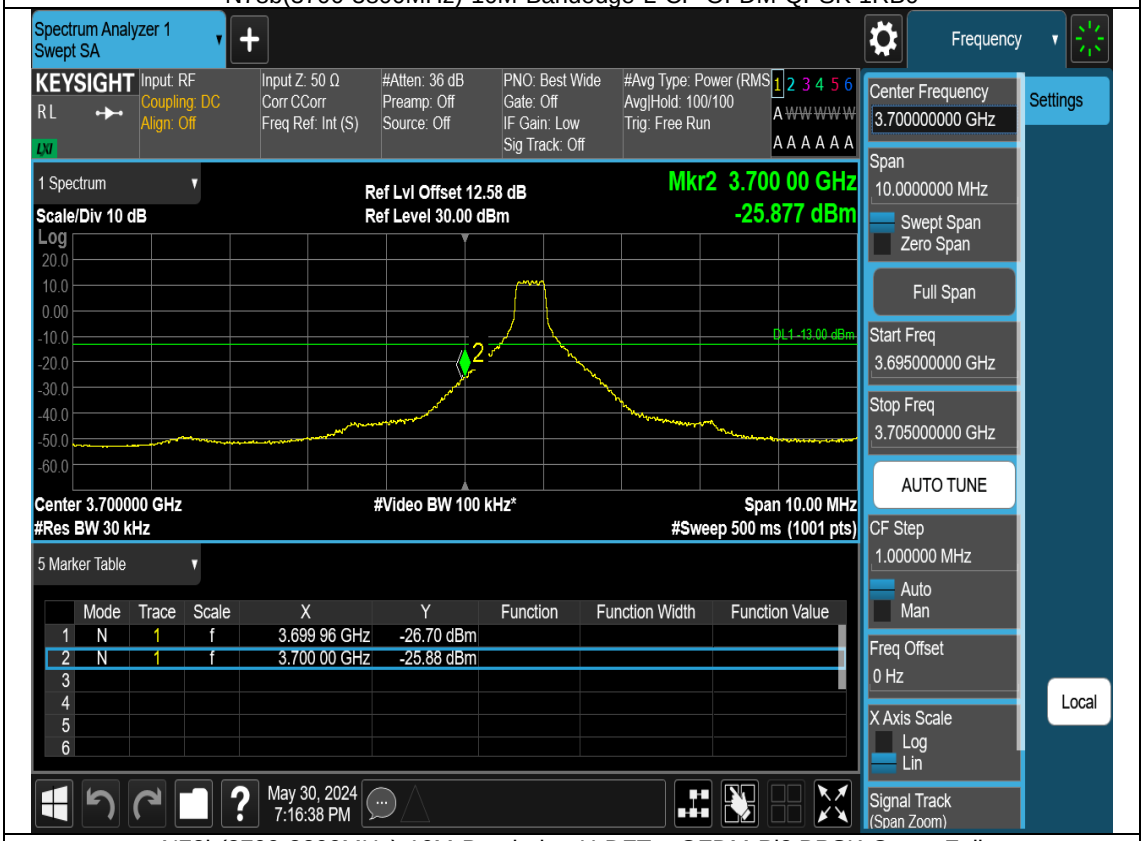


N78b(3700-3800MHz)-10M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0

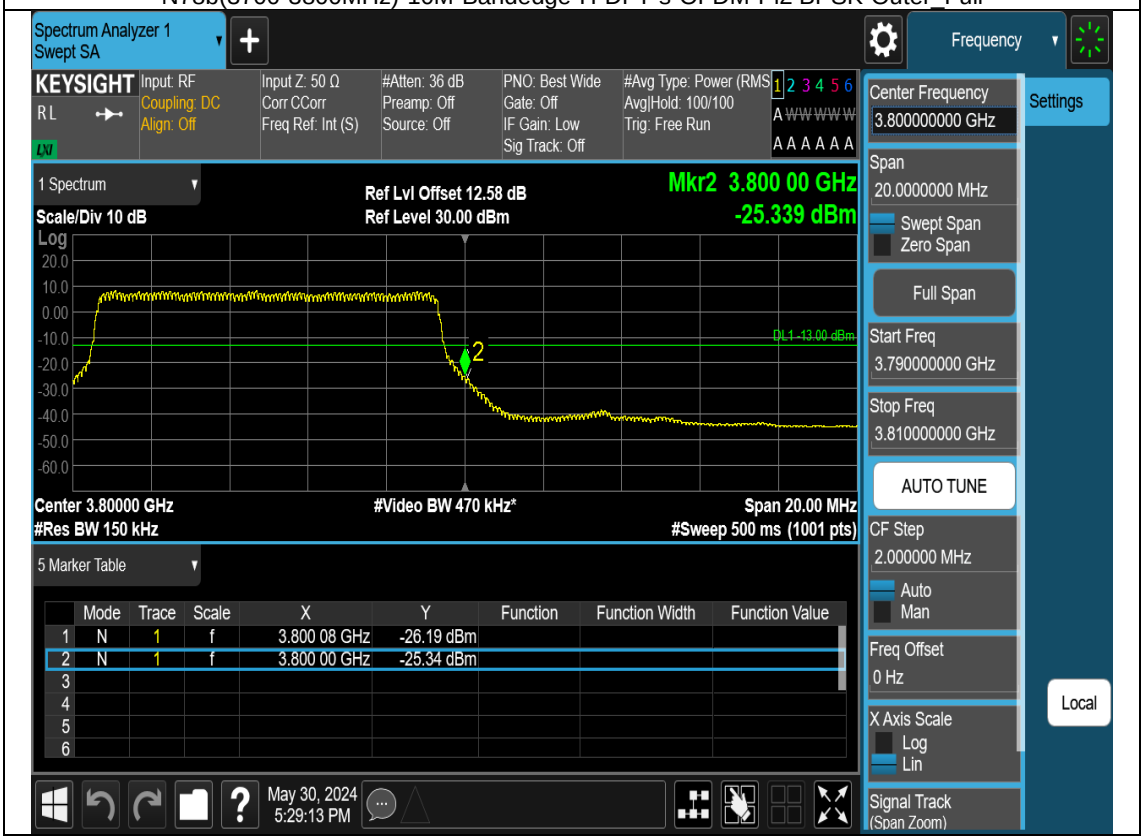


N78b(3700-3800MHz)-10M-Bandedge-L-CP-OFDM-QPSK-Outer_Full

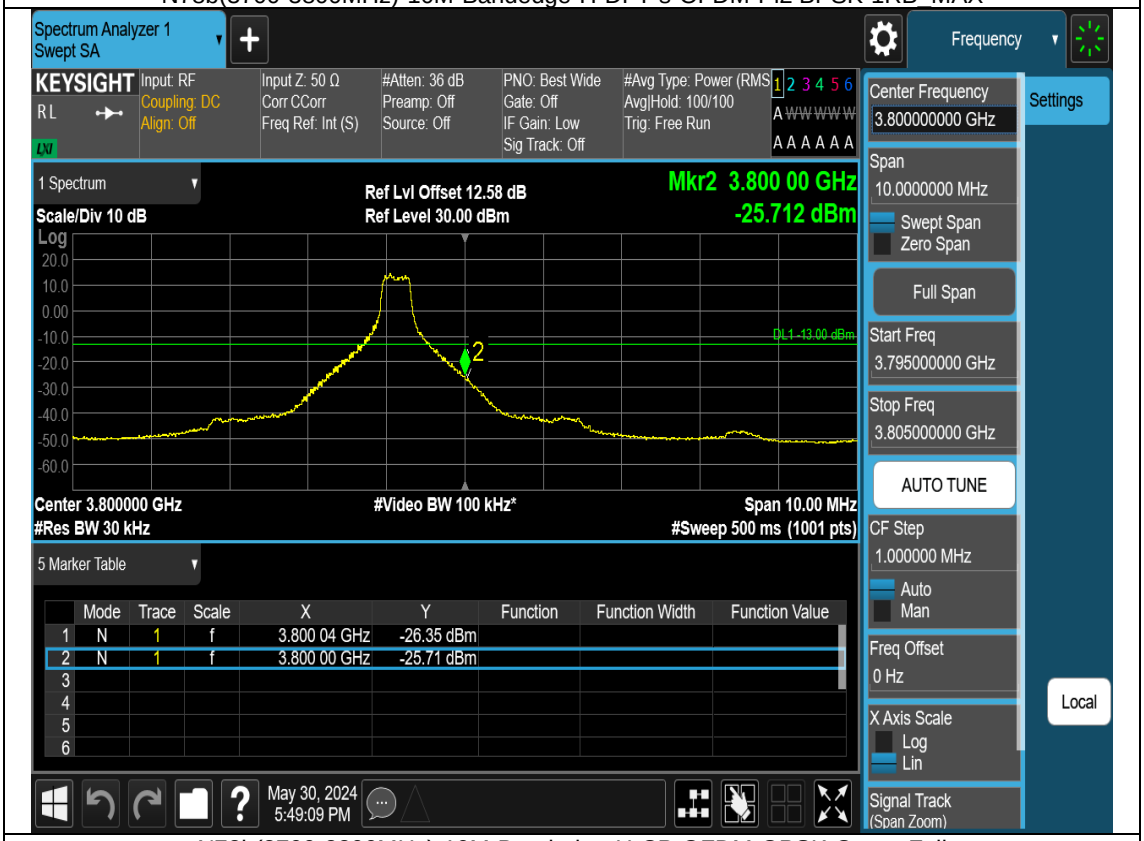
N78b(3700-3800MHz)-10M-Bandedge-L-CP-OFDM-QPSK-1RB0



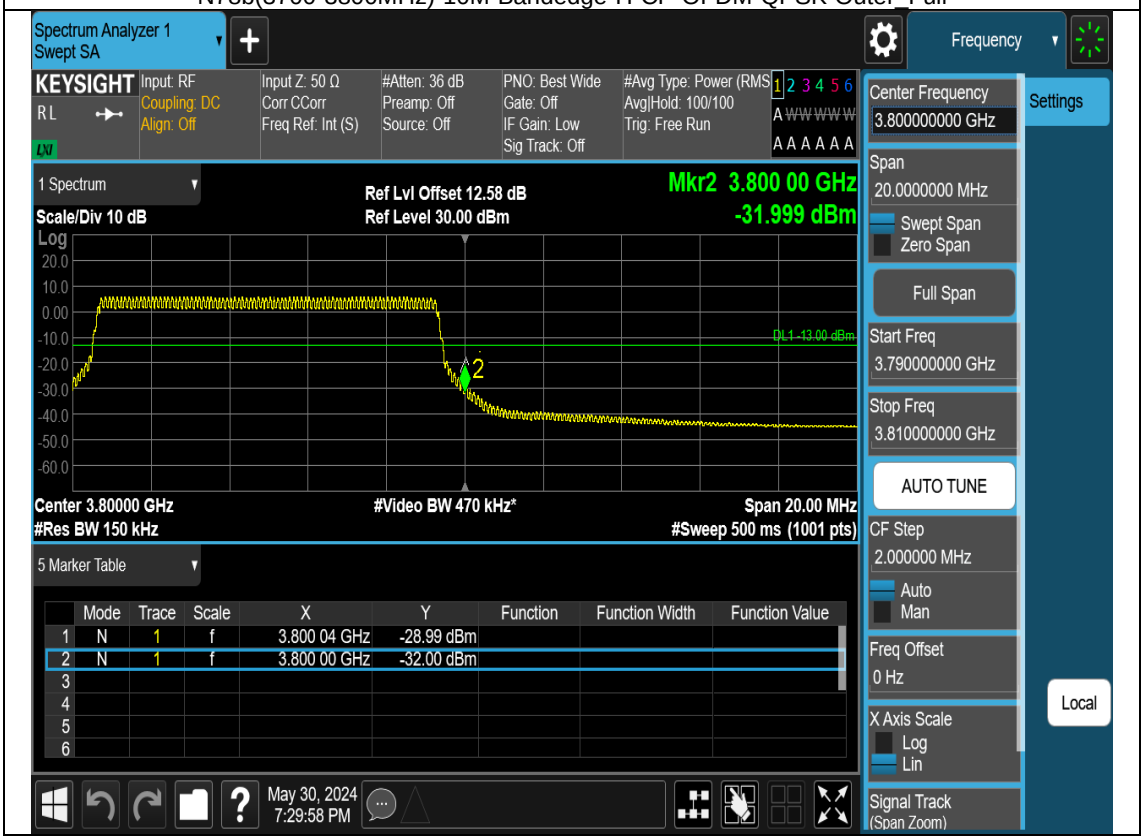
N78b(3700-3800MHz)-10M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N78b(3700-3800MHz)-10M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB_MAX

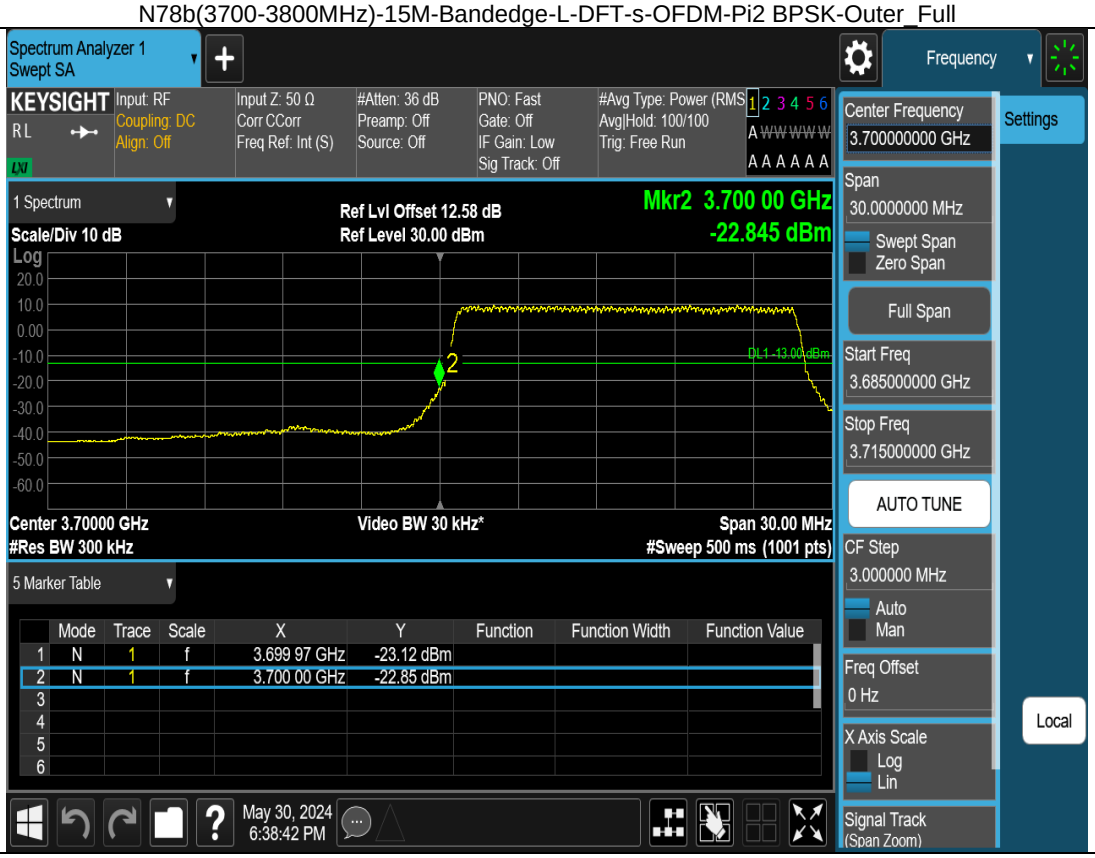


N78b(3700-3800MHz)-10M-Bandedge-H-CP-OFDM-QPSK-Outer_Full

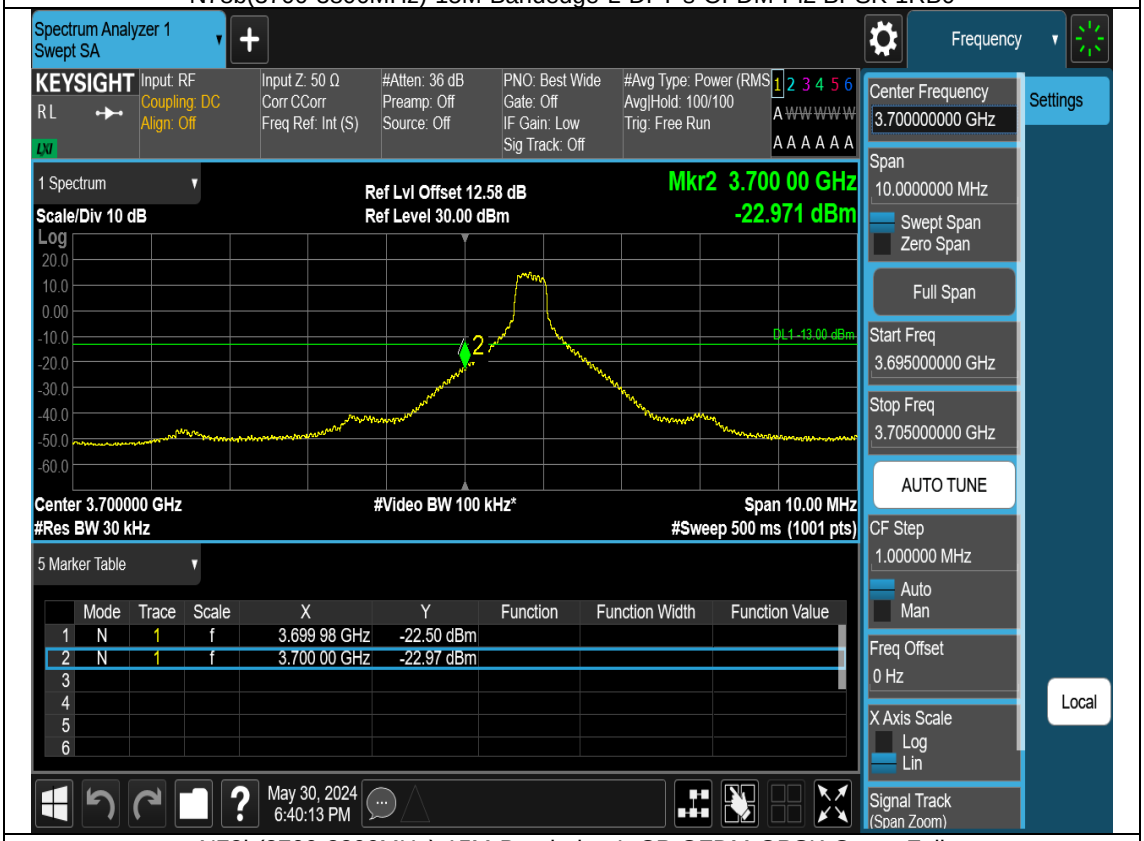


N78b(3700-3800MHz)-10M-Bandedge-H-CP-OFDM-QPSK-1RB_MAX

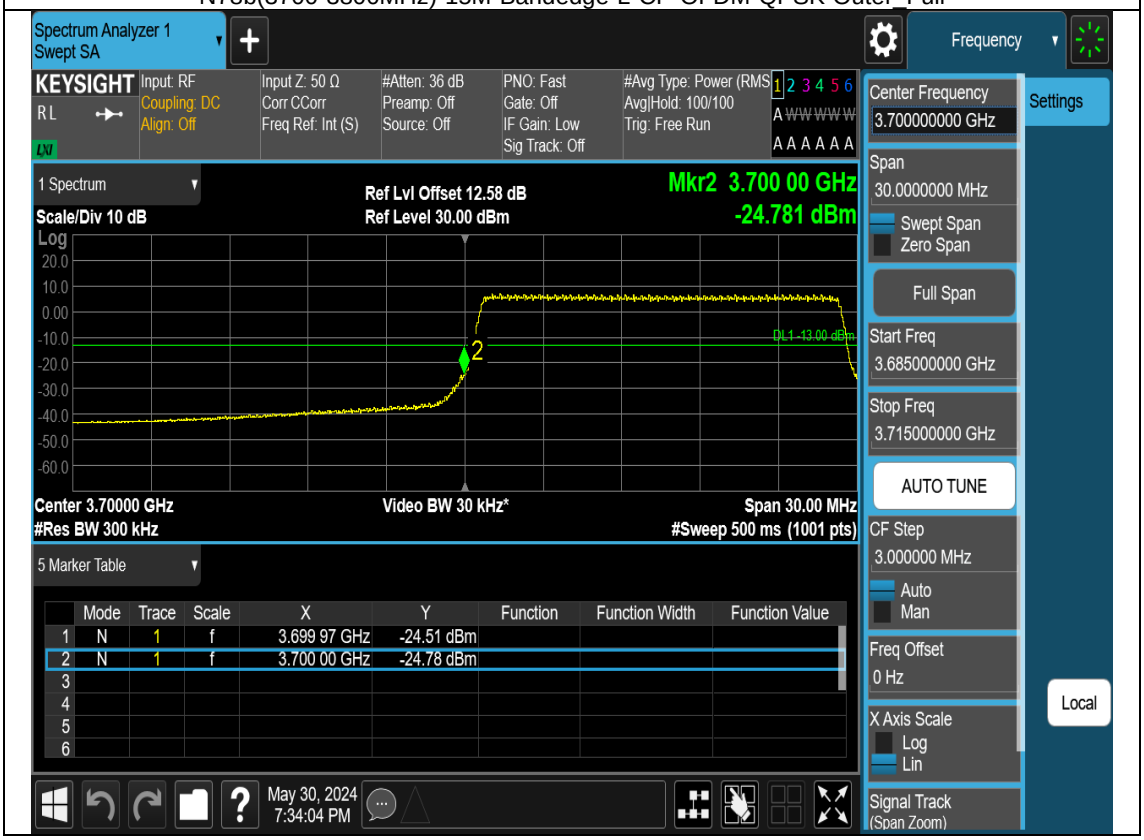
N78b(3700-3800MHz)-15M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer_Full



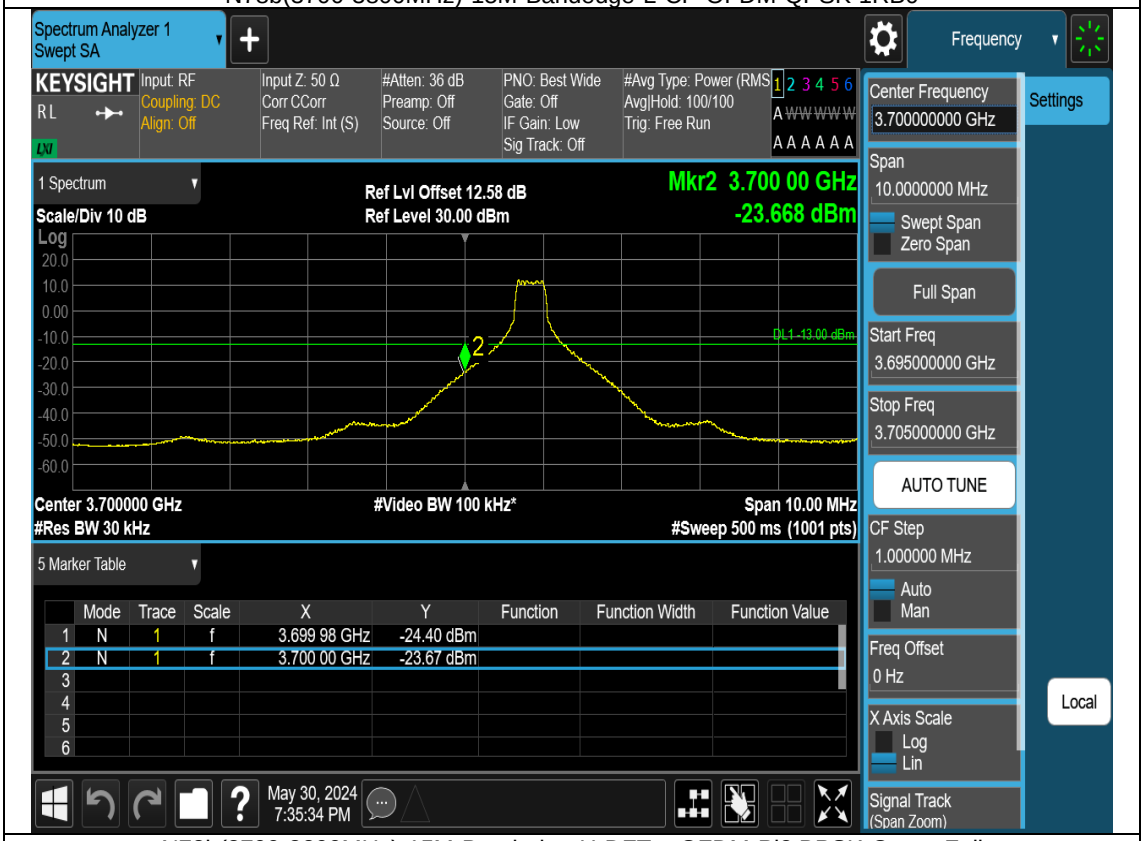
N78b(3700-3800MHz)-15M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



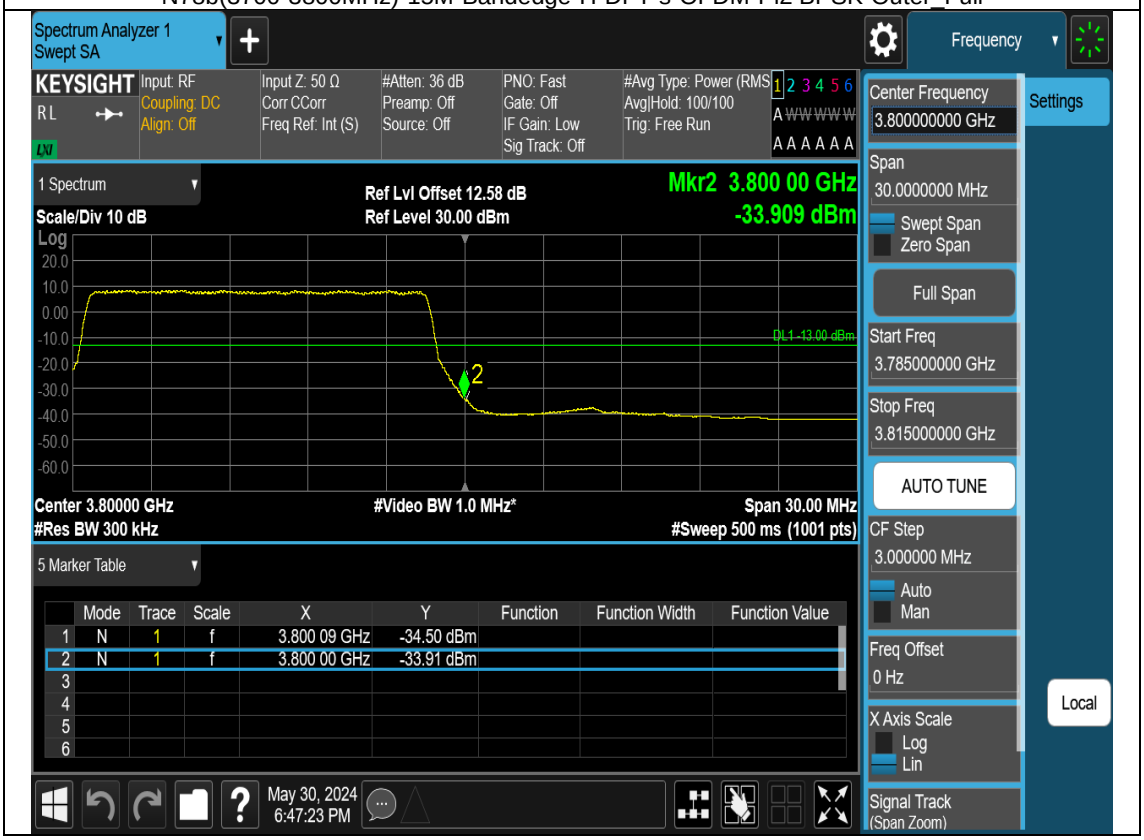
N78b(3700-3800MHz)-15M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



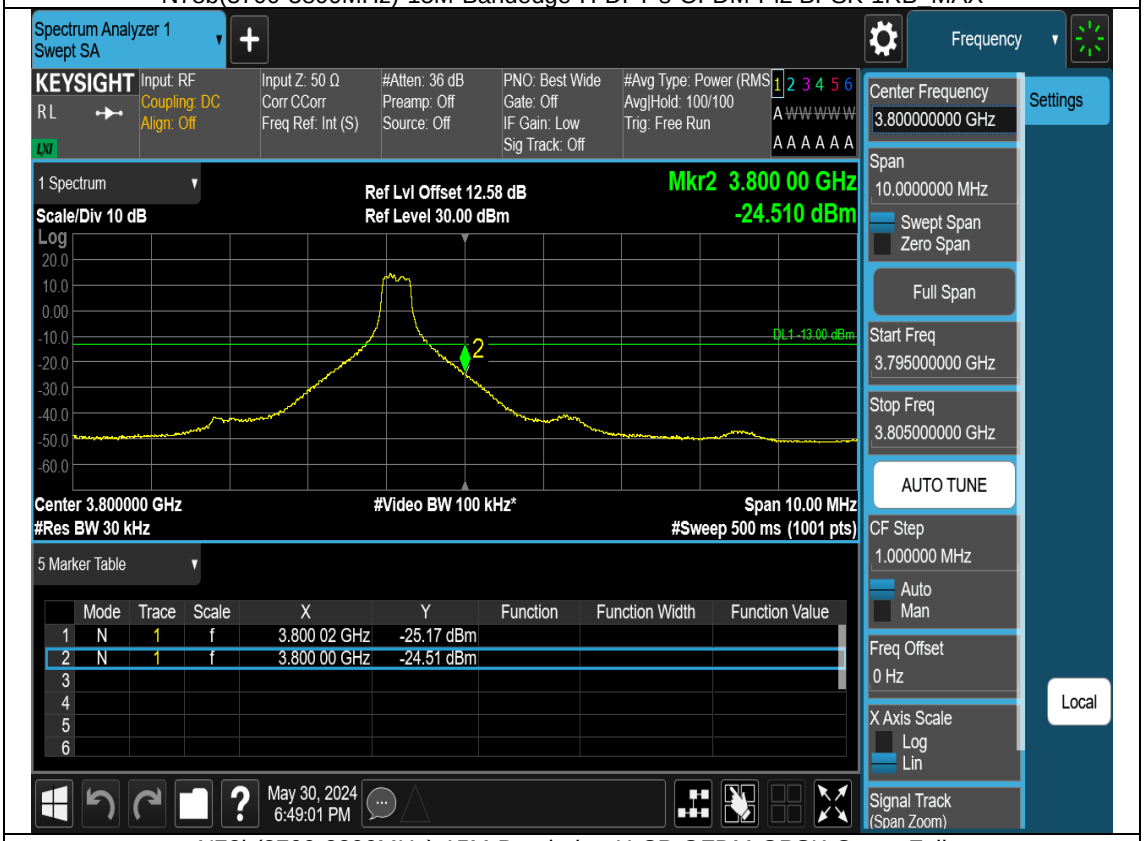
N78b(3700-3800MHz)-15M-Bandedge-L-CP-OFDM-QPSK-1RB0



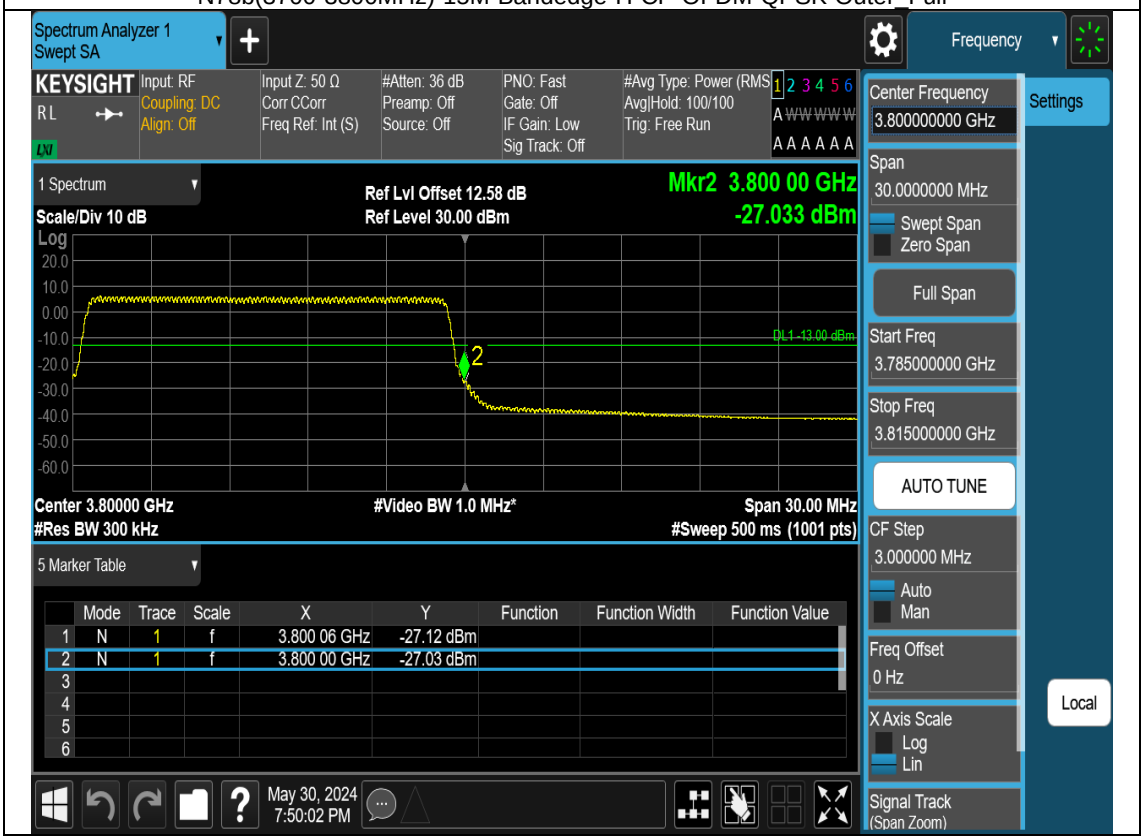
N78b(3700-3800MHz)-15M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full



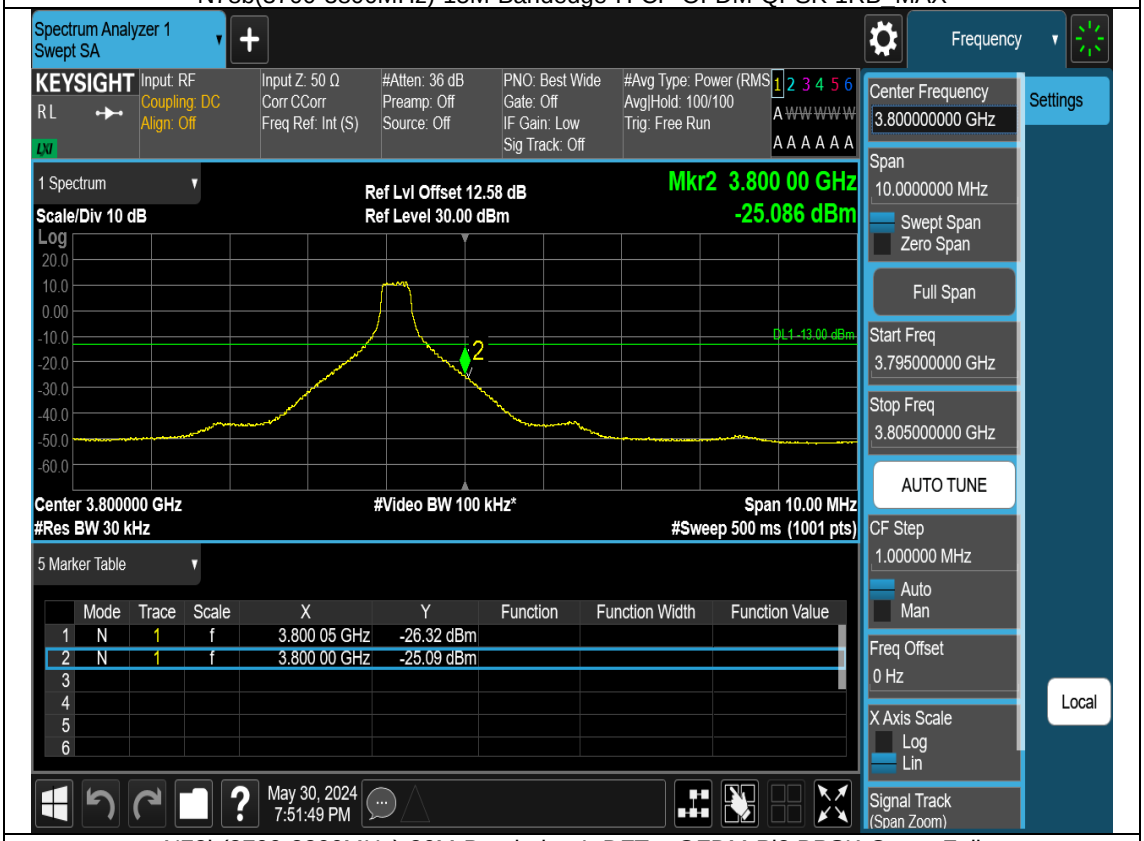
N78b(3700-3800MHz)-15M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



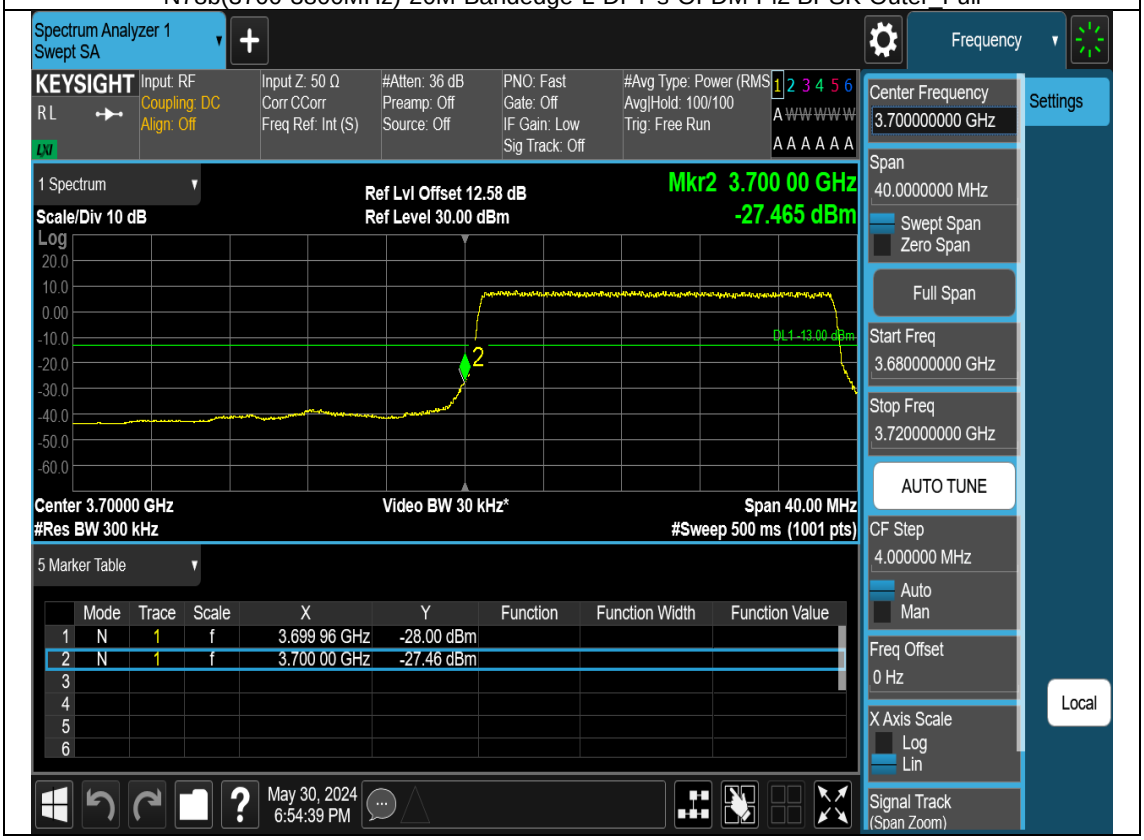
N78b(3700-3800MHz)-15M-Bandedge-H-CP-OFDM-QPSK-Outer_Full



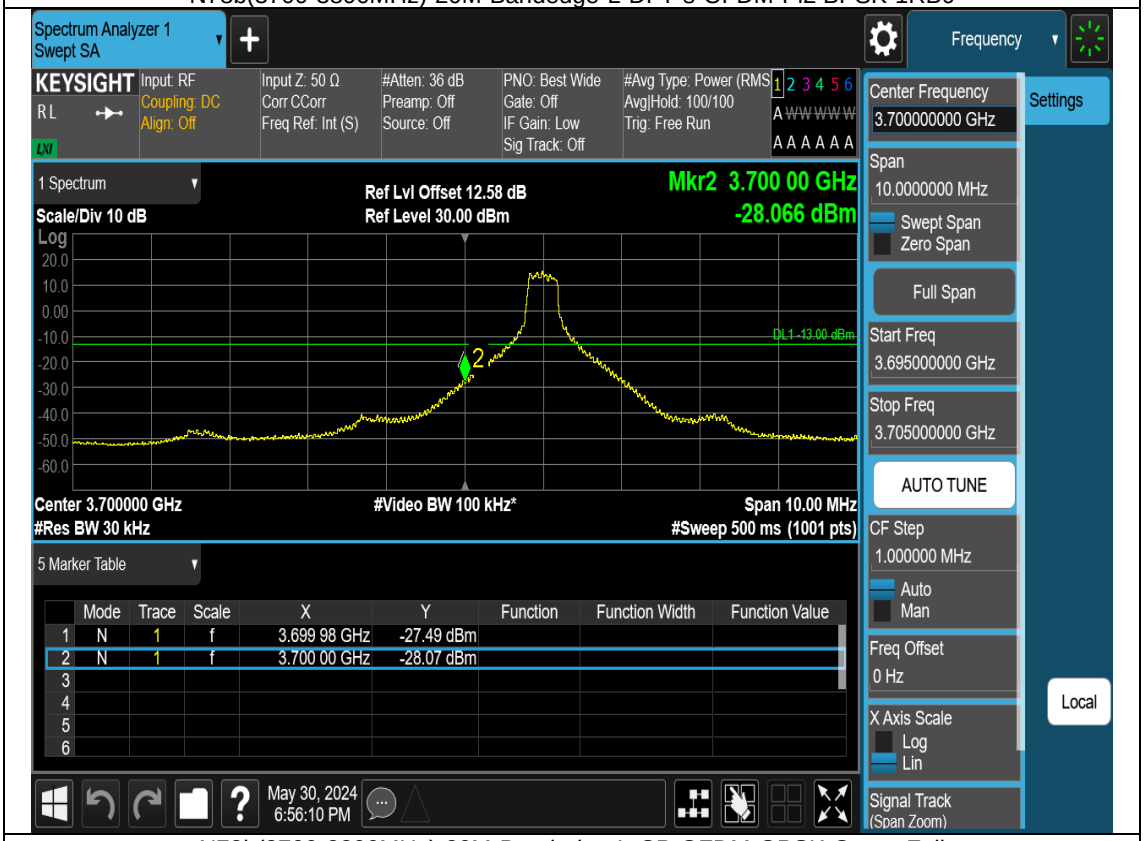
N78b(3700-3800MHz)-15M-Bandedge-H-CP-OFDM-QPSK-1RB_MAX



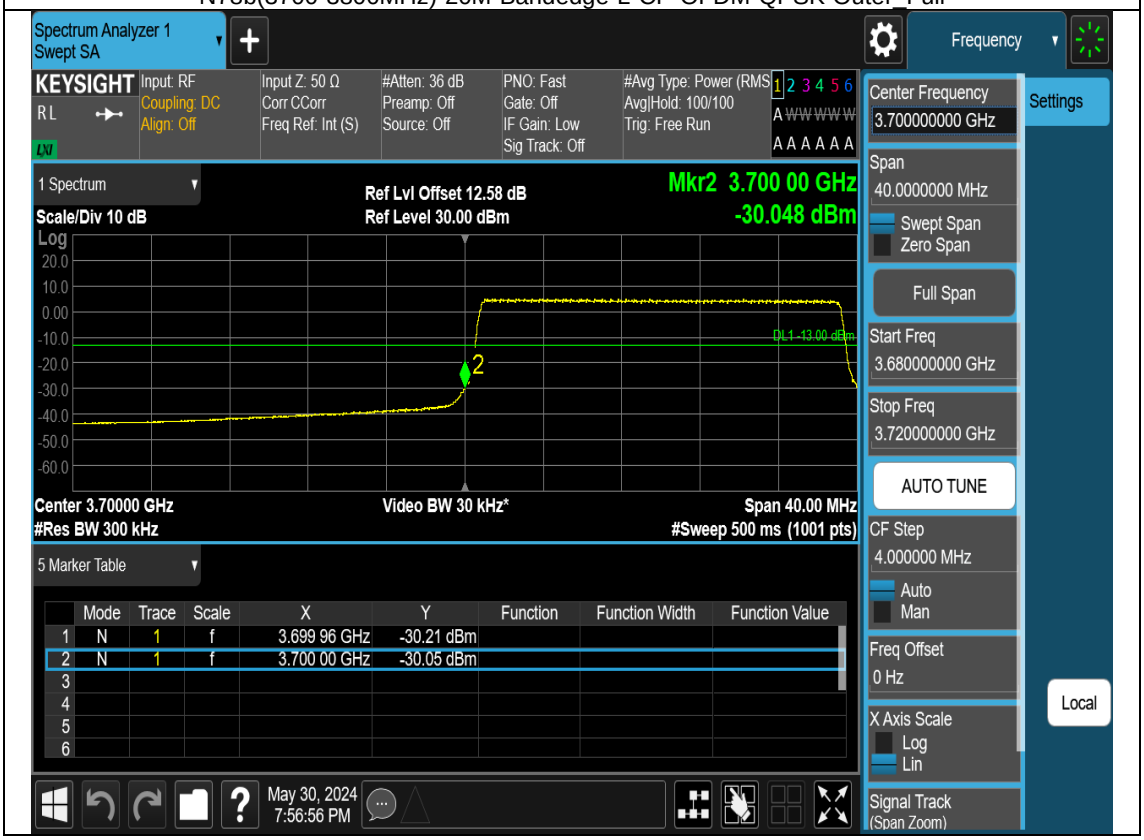
N78b(3700-3800MHz)-20M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer_Full



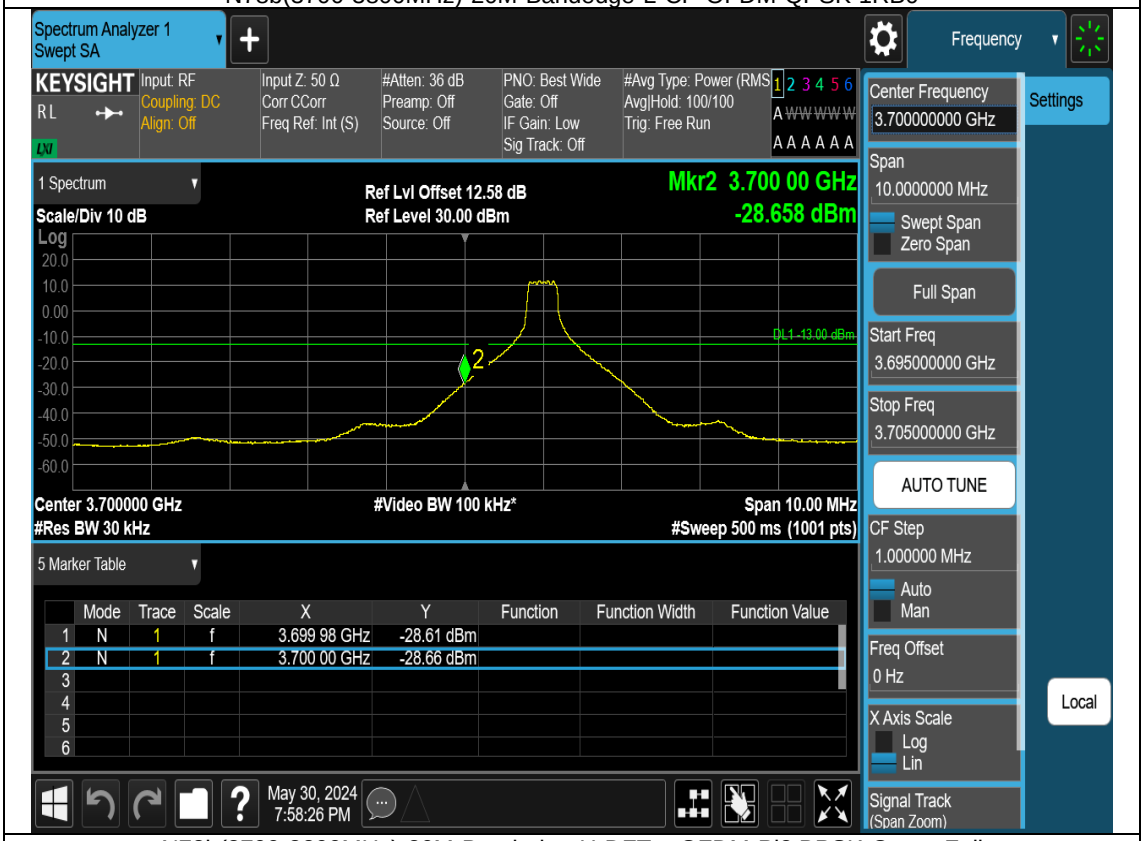
N78b(3700-3800MHz)-20M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



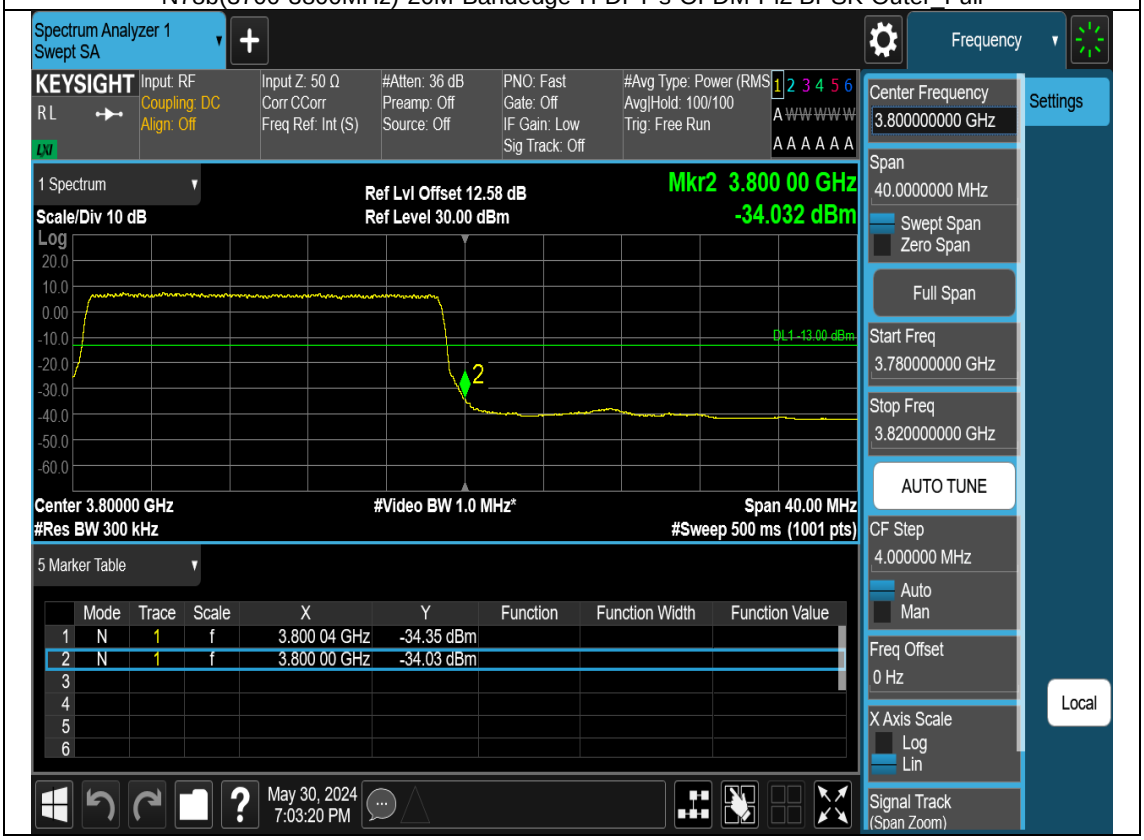
N78b(3700-3800MHz)-20M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



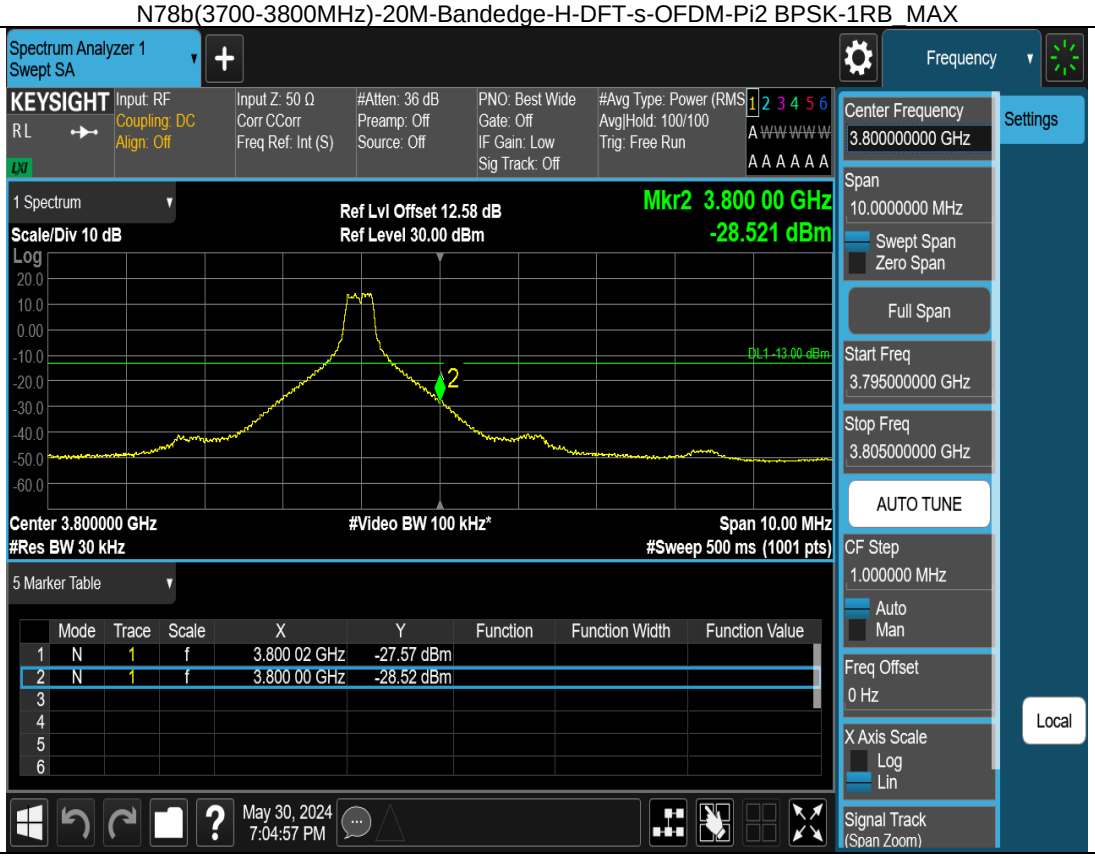
N78b(3700-3800MHz)-20M-Bandedge-L-CP-OFDM-QPSK-1RB0



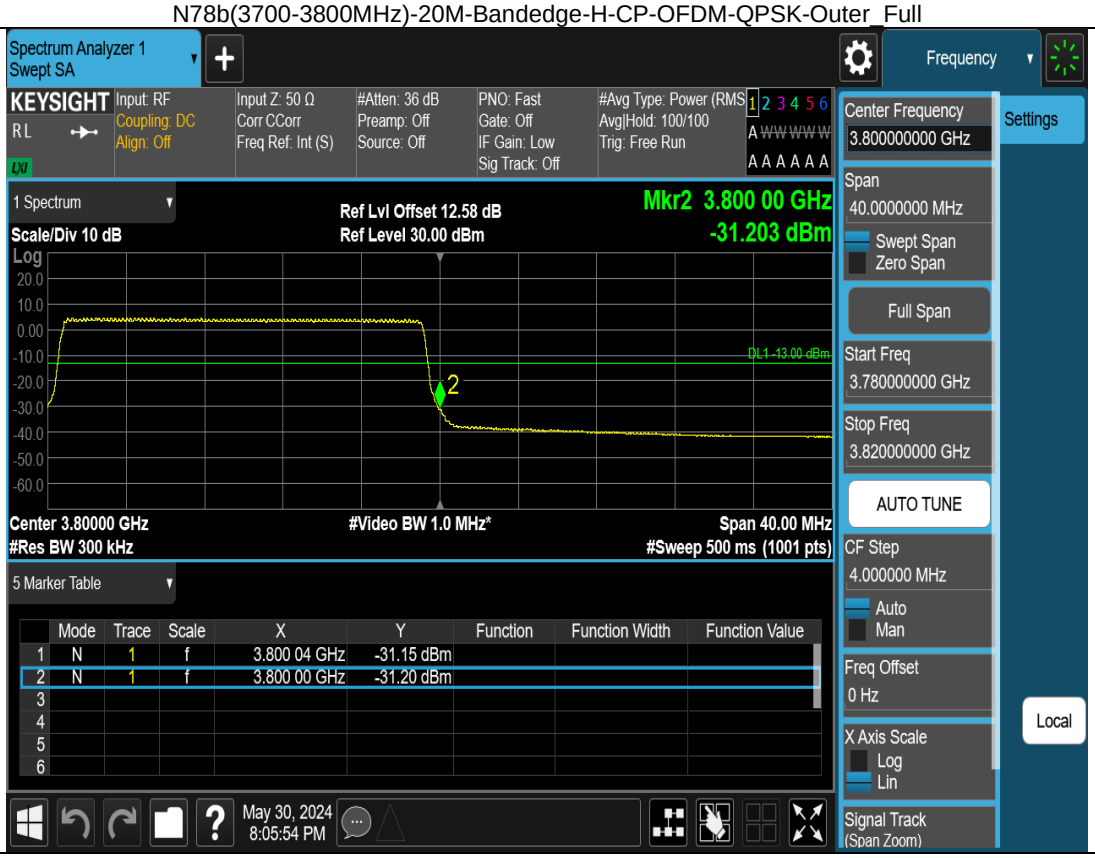
N78b(3700-3800MHz)-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full



N78b(3700-3800MHz)-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



N78b(3700-3800MHz)-20M-Bandedge-H-CP-OFDM-QPSK-Outer_Full



N78b(3700-3800MHz)-20M-Bandedge-H-CP-OFDM-QPSK-1RB_MAX

Conducted spurious emissions test graph

N78b(3700-3800MHz)-10M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz