

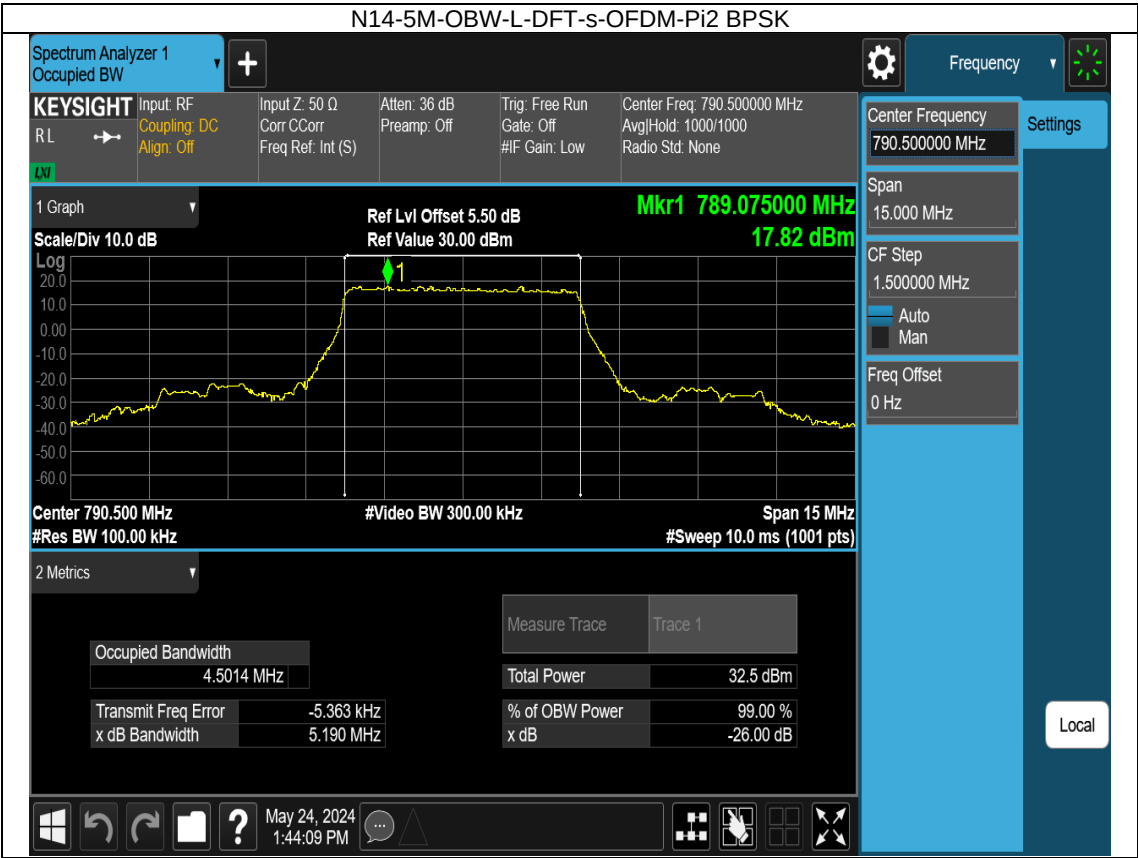
99% & 26dB Bandwidth

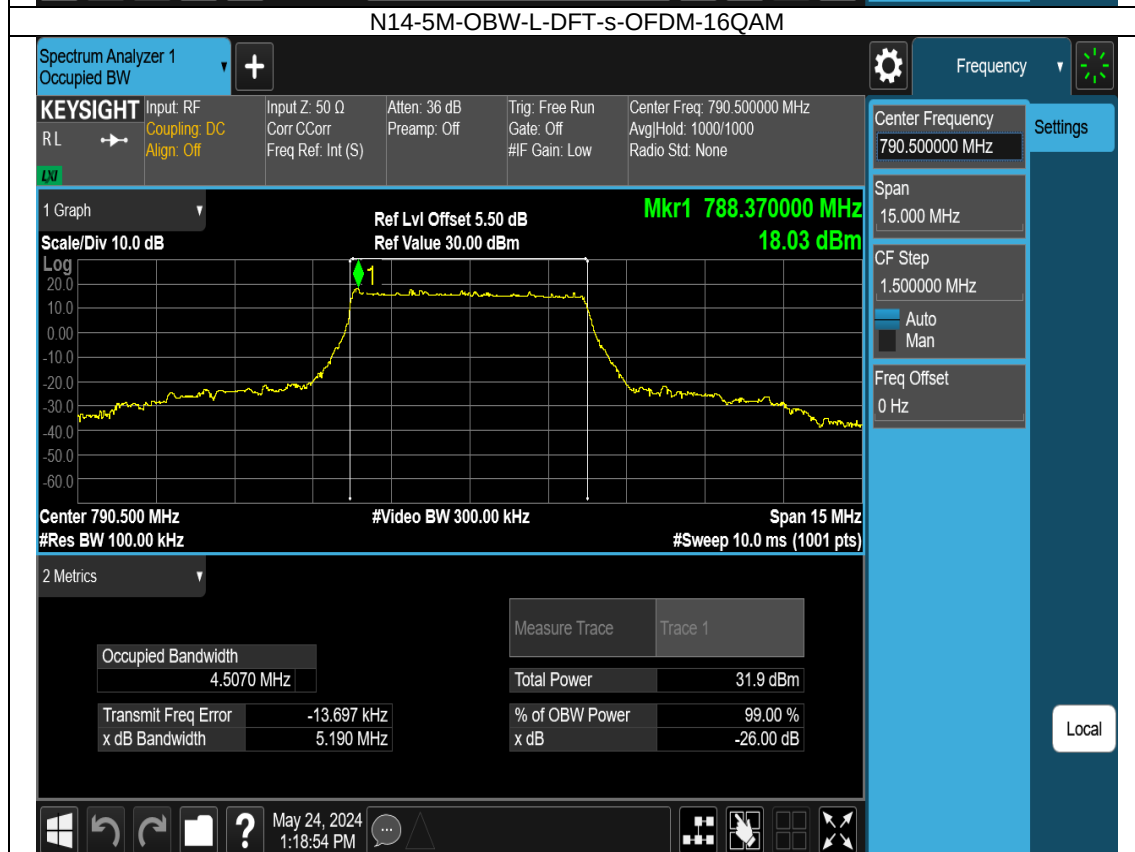
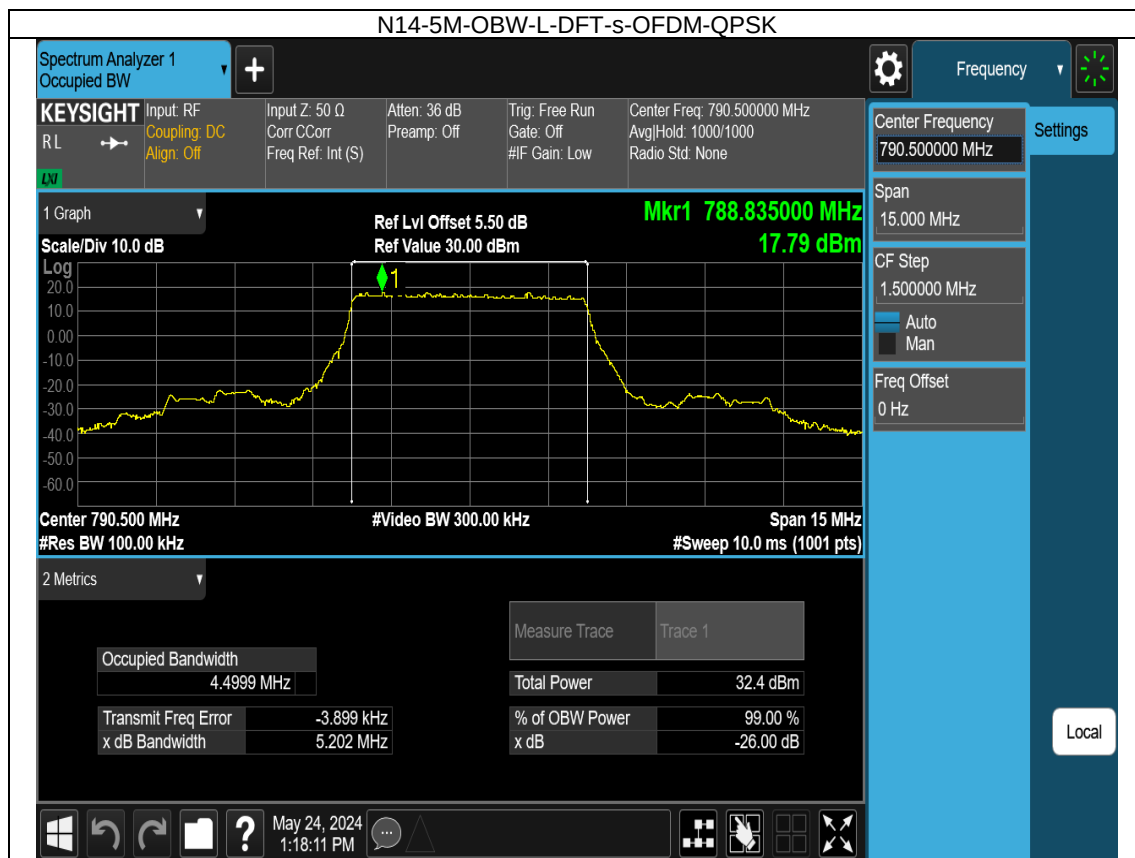
Test Result

5G NR n14 SCS=15kHz 5MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.501	5.190	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.500	5.202	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.507	5.190	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.507	5.239	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.485	5.034	/	Pass
CP-OFDM QPSK		Outer_Full	4.493	5.153	/	Pass
CP-OFDM 16QAM		Outer_Full	4.513	5.199	/	Pass
CP-OFDM 64QAM		Outer_Full	4.491	5.137	/	Pass
CP-OFDM 256QAM		Outer_Full	4.500	5.011	/	Pass
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	4.527	5.288	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.490	5.121	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.491	5.166	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.512	5.080	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.507	5.257	/	Pass
CP-OFDM QPSK		Outer_Full	4.498	5.160	/	Pass
CP-OFDM 16QAM		Outer_Full	4.497	5.137	/	Pass
CP-OFDM 64QAM		Outer_Full	4.519	5.281	/	Pass
CP-OFDM 256QAM		Outer_Full	4.498	5.149	/	Pass
DFT-s-OFDM PI/2 BPSK	High CH	Outer_Full	4.505	5.276	/	Pass
DFT-s-OFDM QPSK		Outer_Full	4.504	5.199	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.500	5.146	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	4.505	5.181	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	4.499	5.114	/	Pass
CP-OFDM QPSK		Outer_Full	4.524	5.203	/	Pass
CP-OFDM 16QAM		Outer_Full	4.519	5.195	/	Pass
CP-OFDM 64QAM		Outer_Full	4.496	5.207	/	Pass
CP-OFDM 256QAM		Outer_Full	4.511	5.090	/	Pass

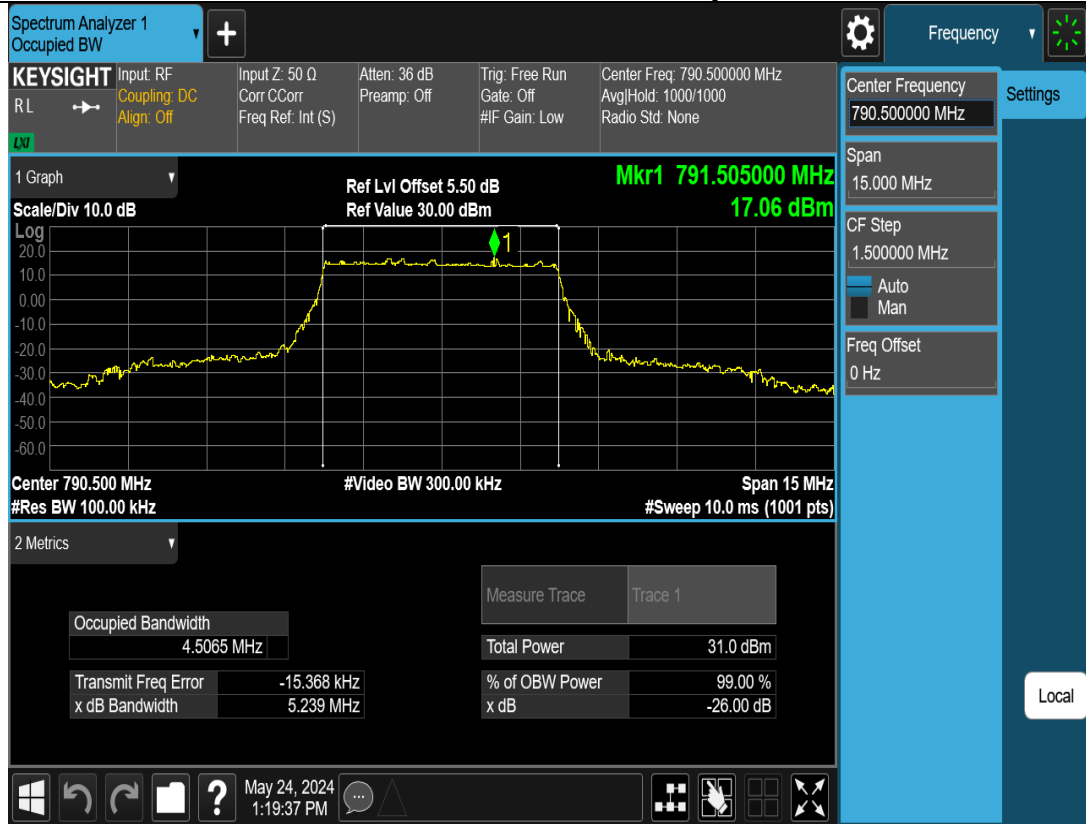
5G NR n14 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	8.957	9.727	/	Pass
DFT-s-OFDM QPSK		Outer_Full	8.954	9.656	/	Pass
DFT-s-OFDM 16QAM		Outer_Full	9.308	10.14	/	Pass
DFT-s-OFDM 64QAM		Outer_Full	8.973	9.772	/	Pass
DFT-s-OFDM 256QAM		Outer_Full	8.947	9.671	/	Pass
CP-OFDM QPSK		Outer_Full	9.317	10.13	/	Pass
CP-OFDM 16QAM		Outer_Full	9.300	10.13	/	Pass
CP-OFDM 64QAM		Outer_Full	9.323	10.11	/	Pass
CP-OFDM 256QAM		Outer_Full	8.969	9.789	/	Pass

Test graph

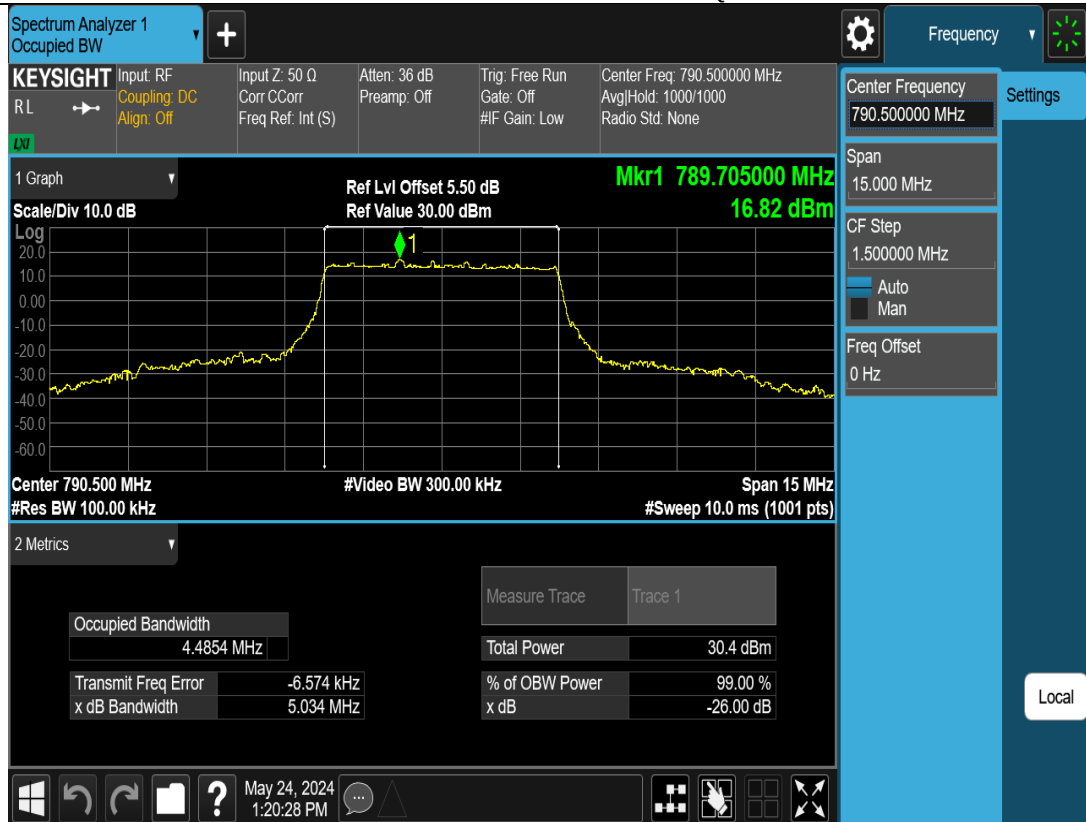


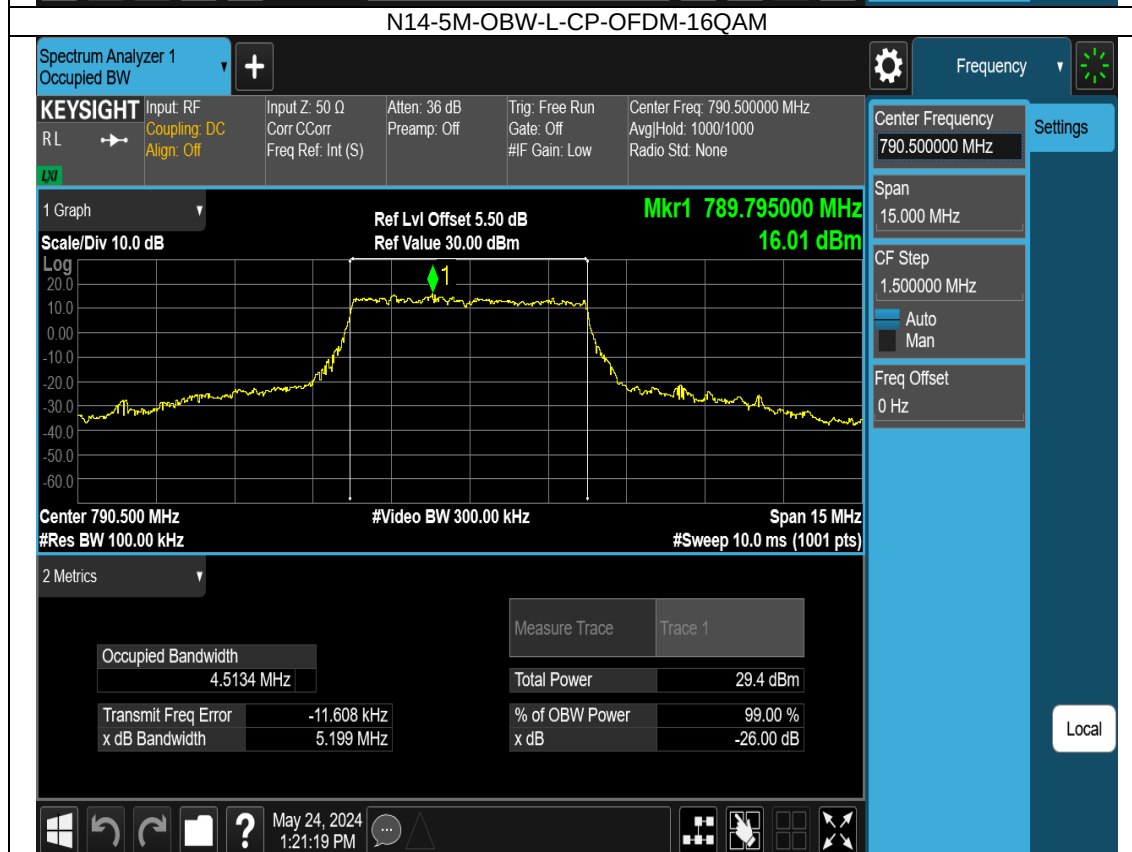
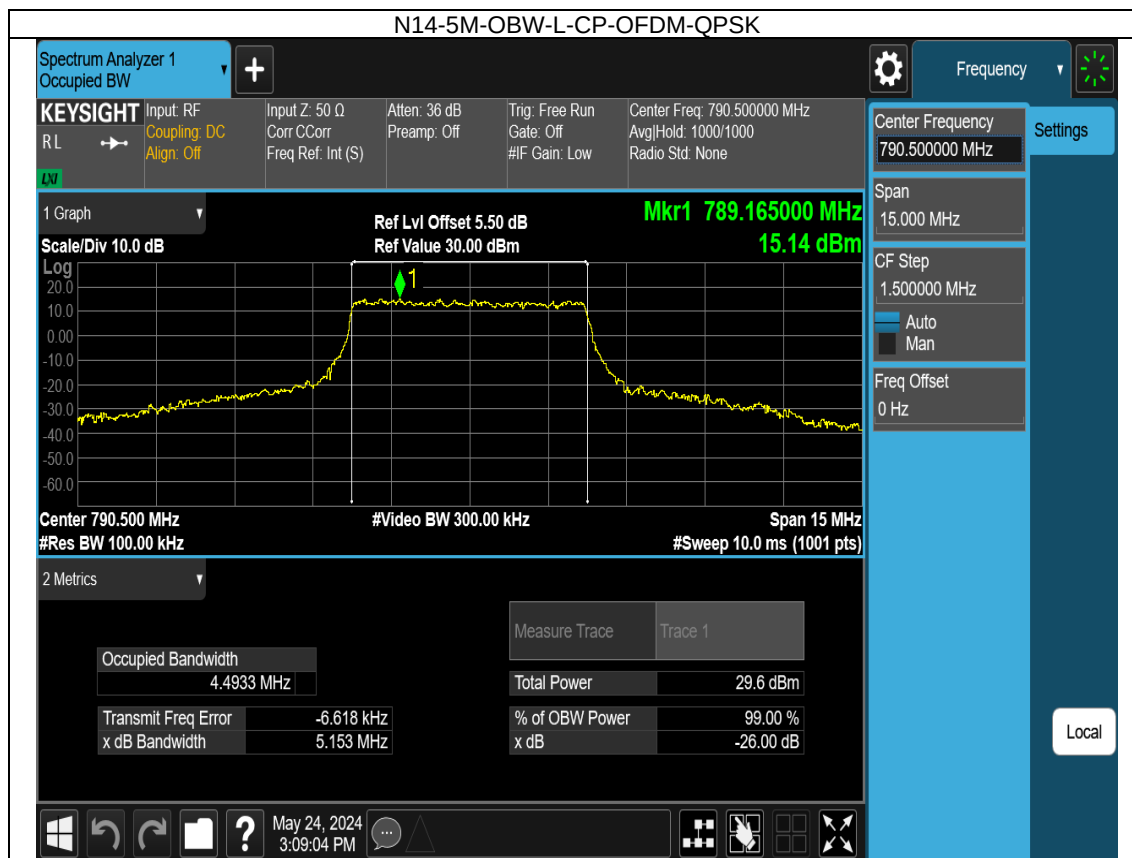


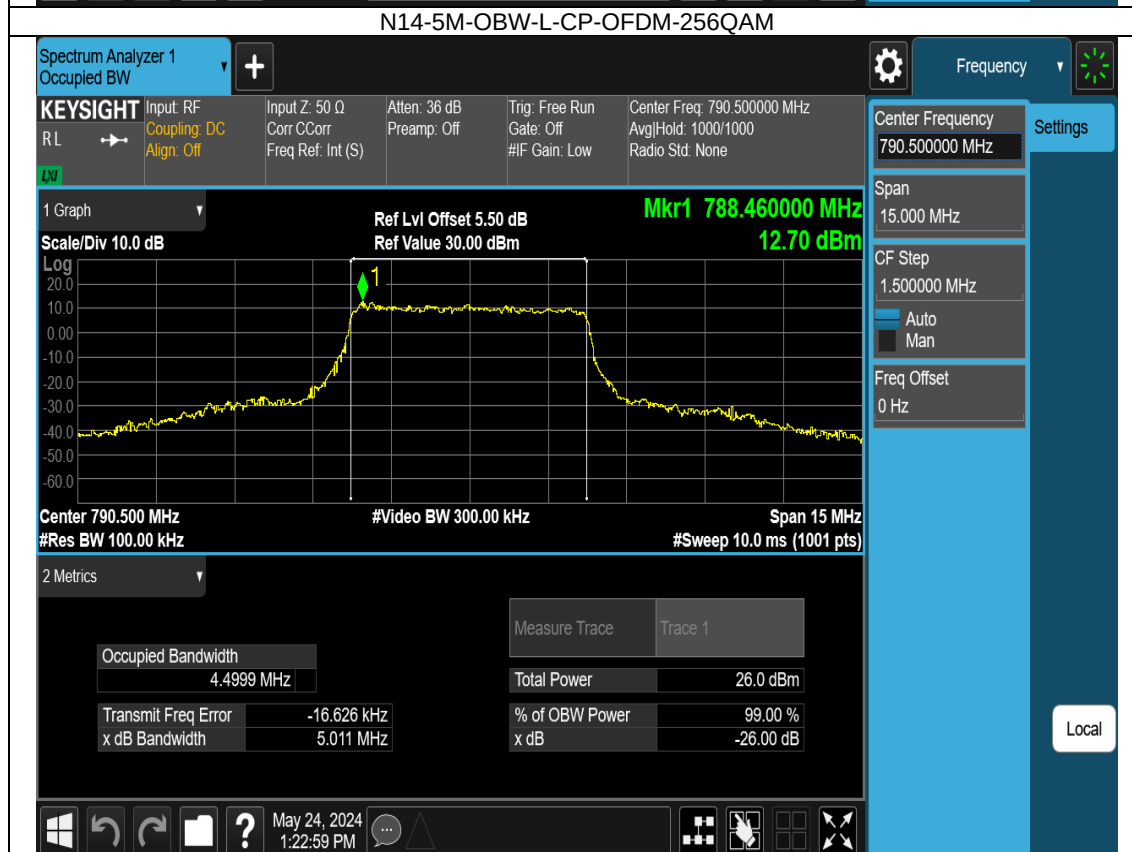
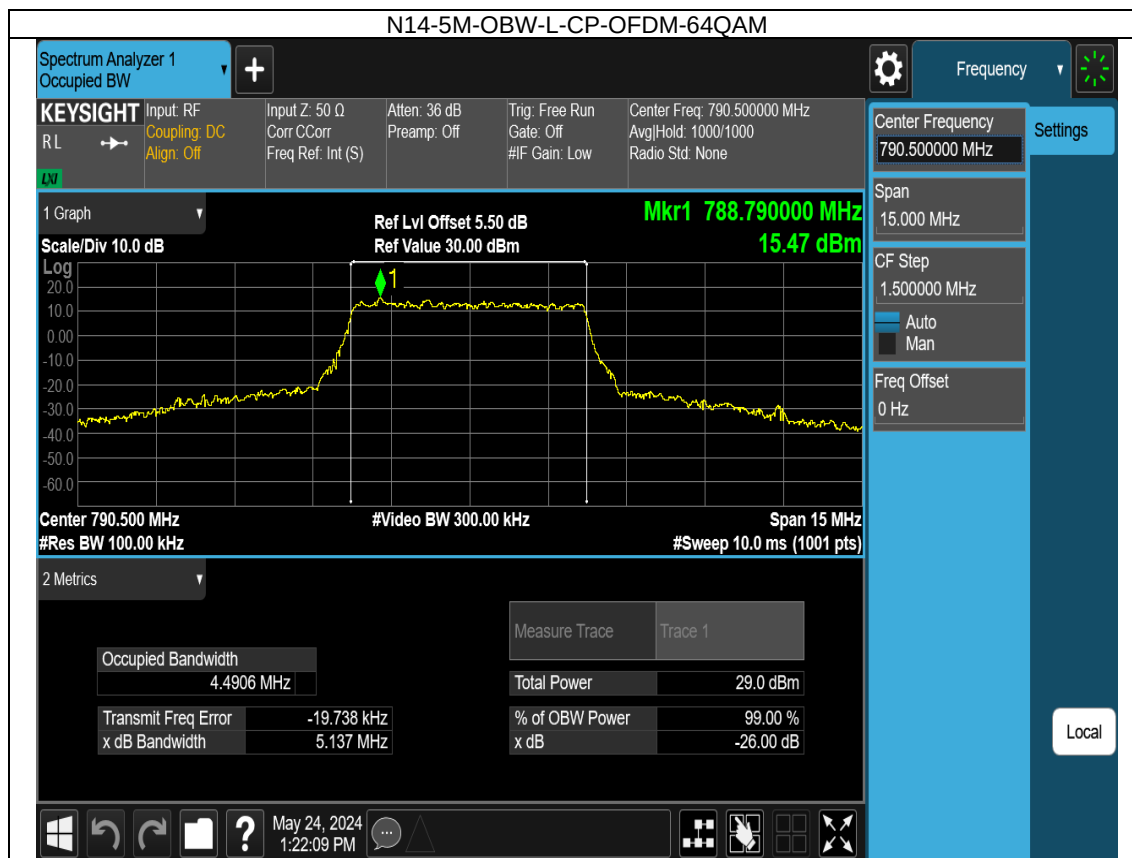
N14-5M-OBW-L-DFT-s-OFDM-64QAM

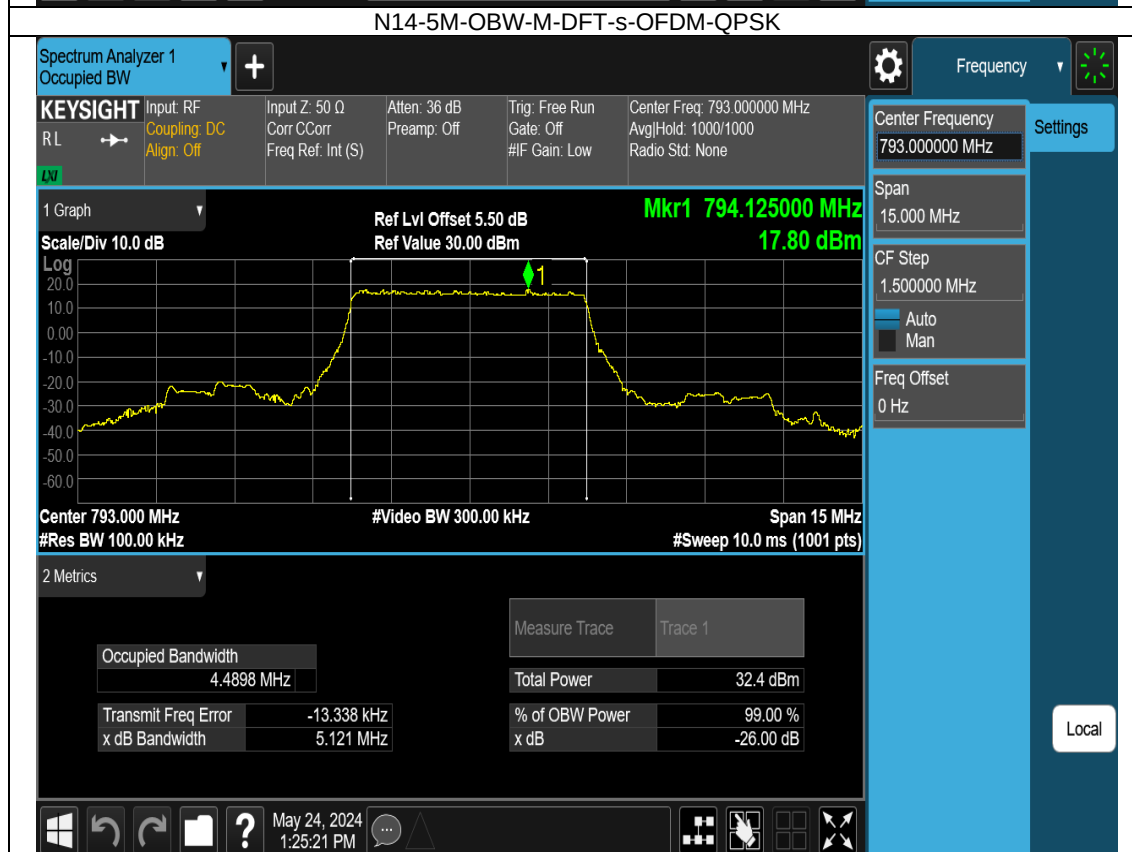
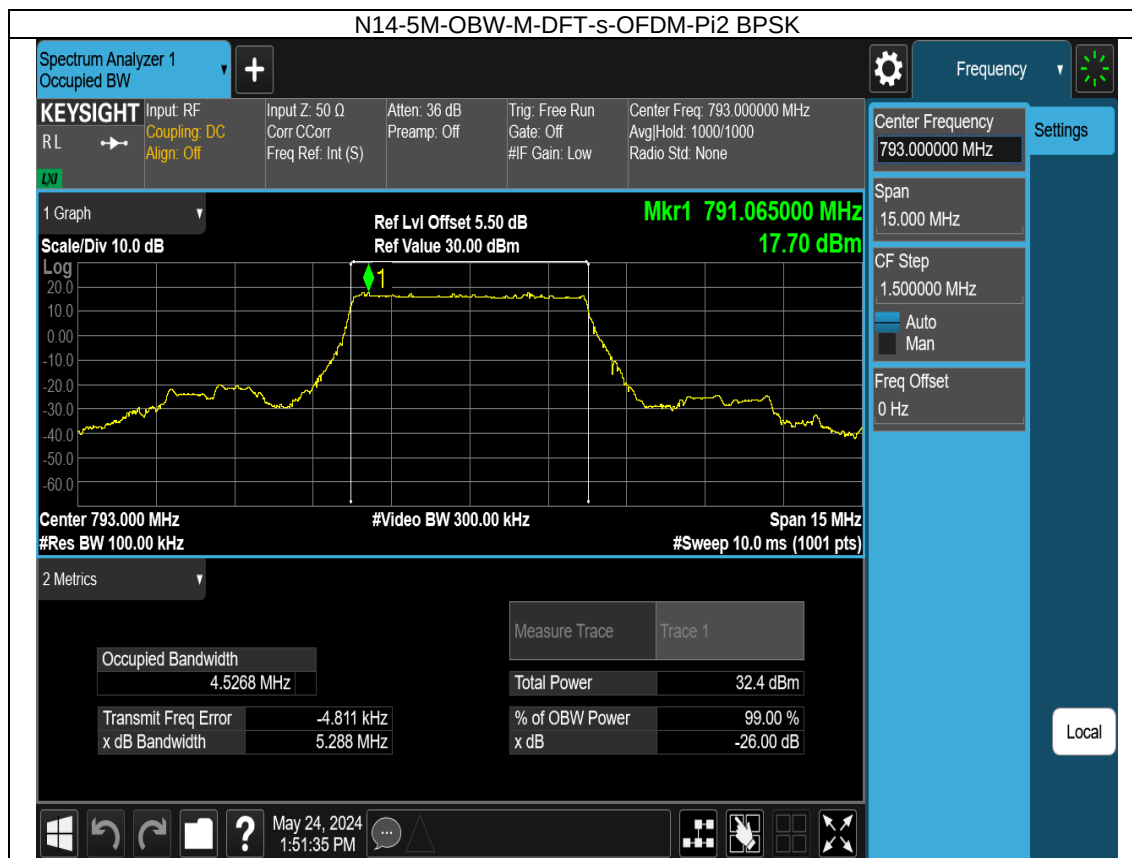


N14-5M-OBW-L-DFT-s-OFDM-256QAM

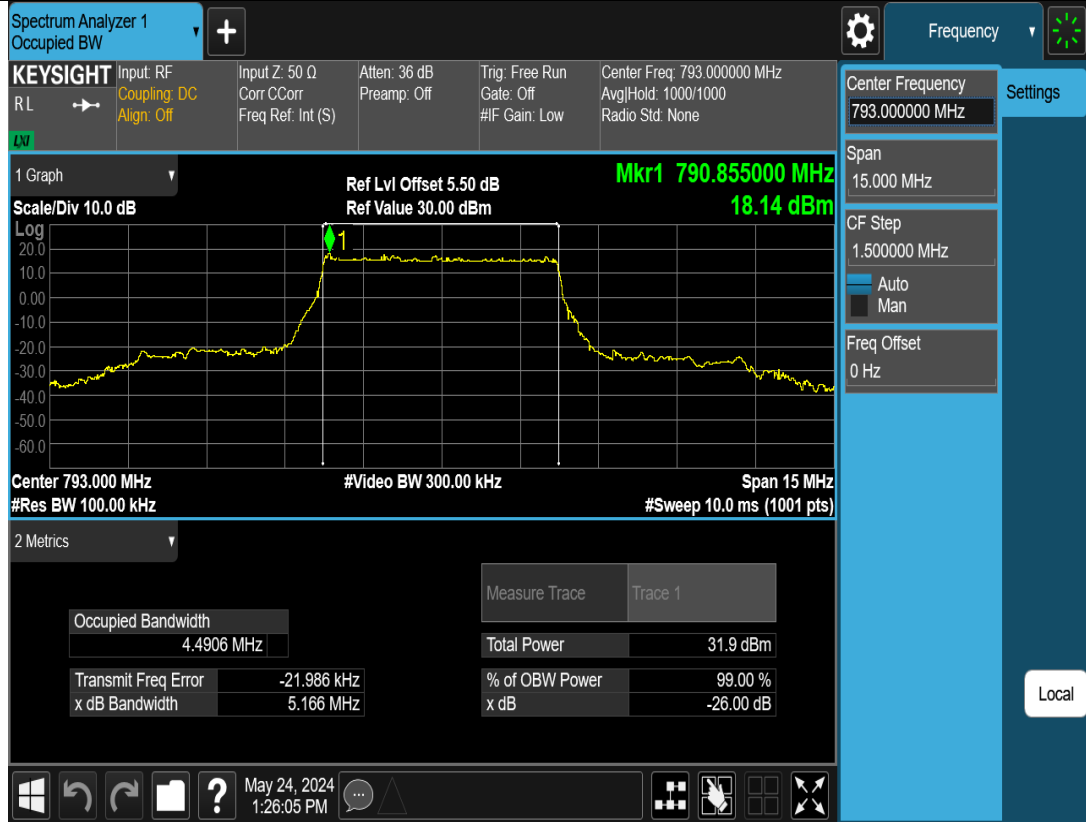




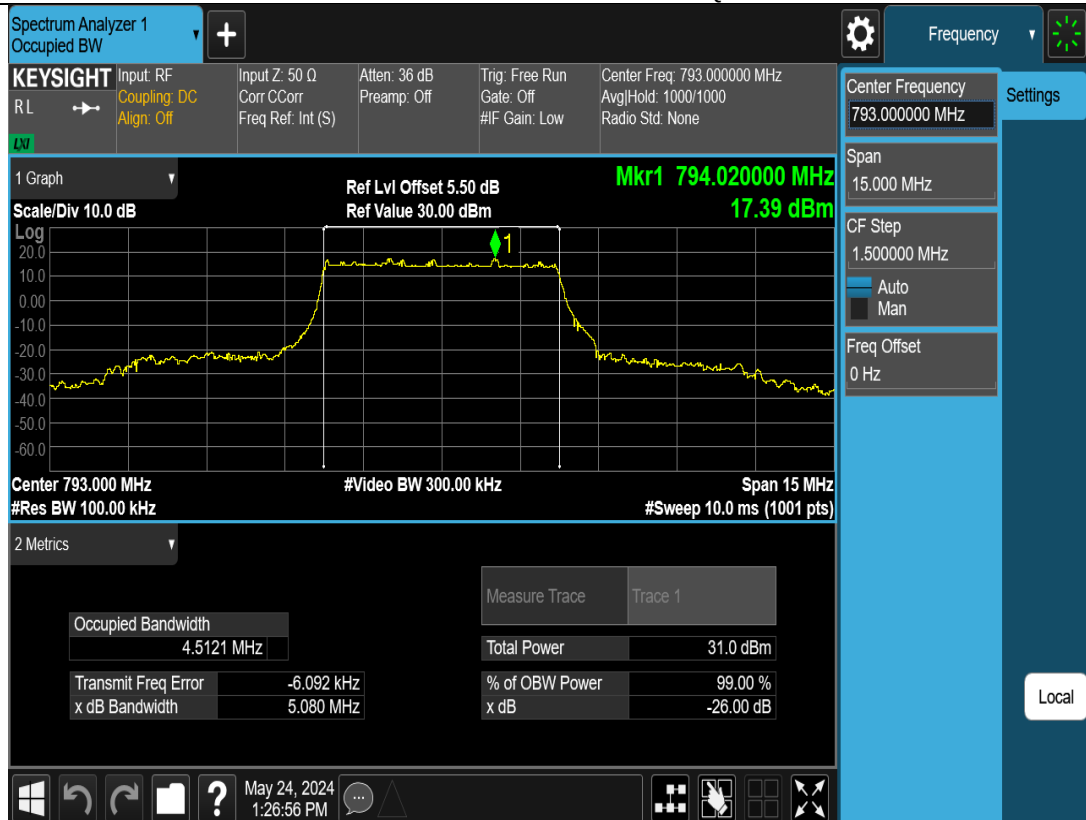


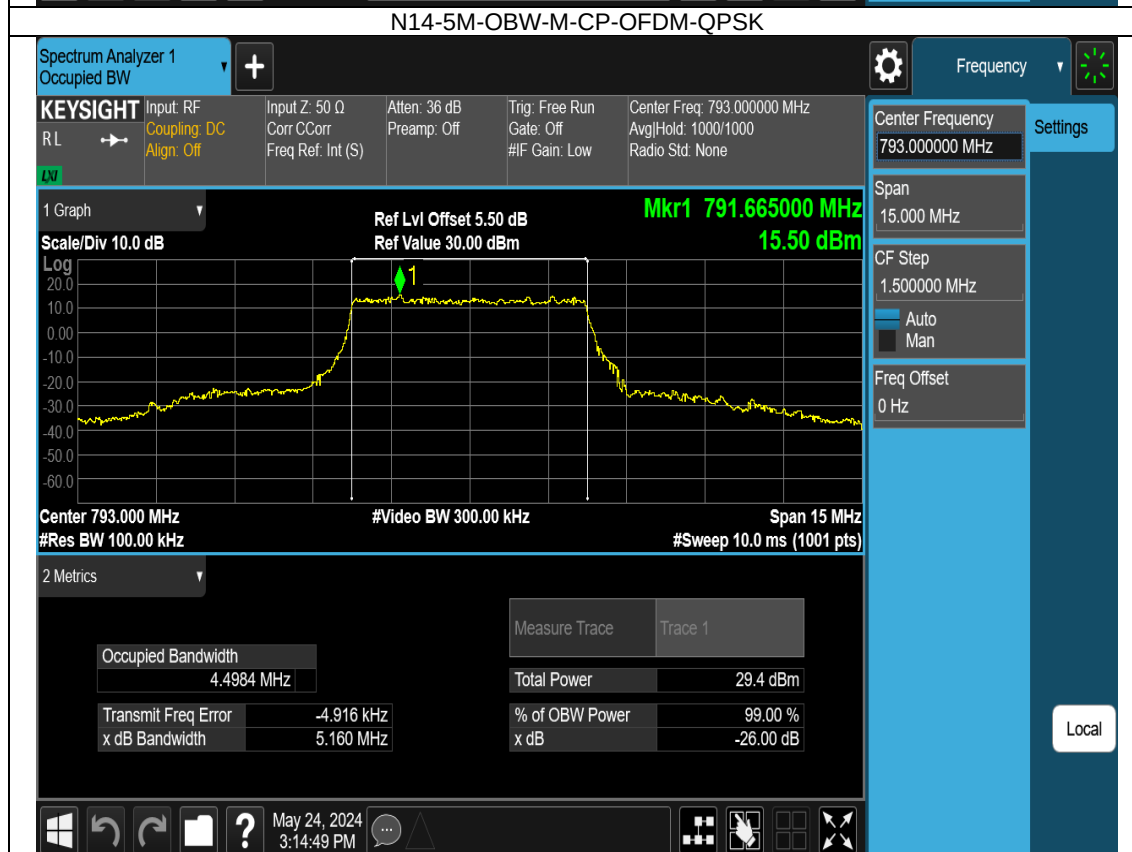
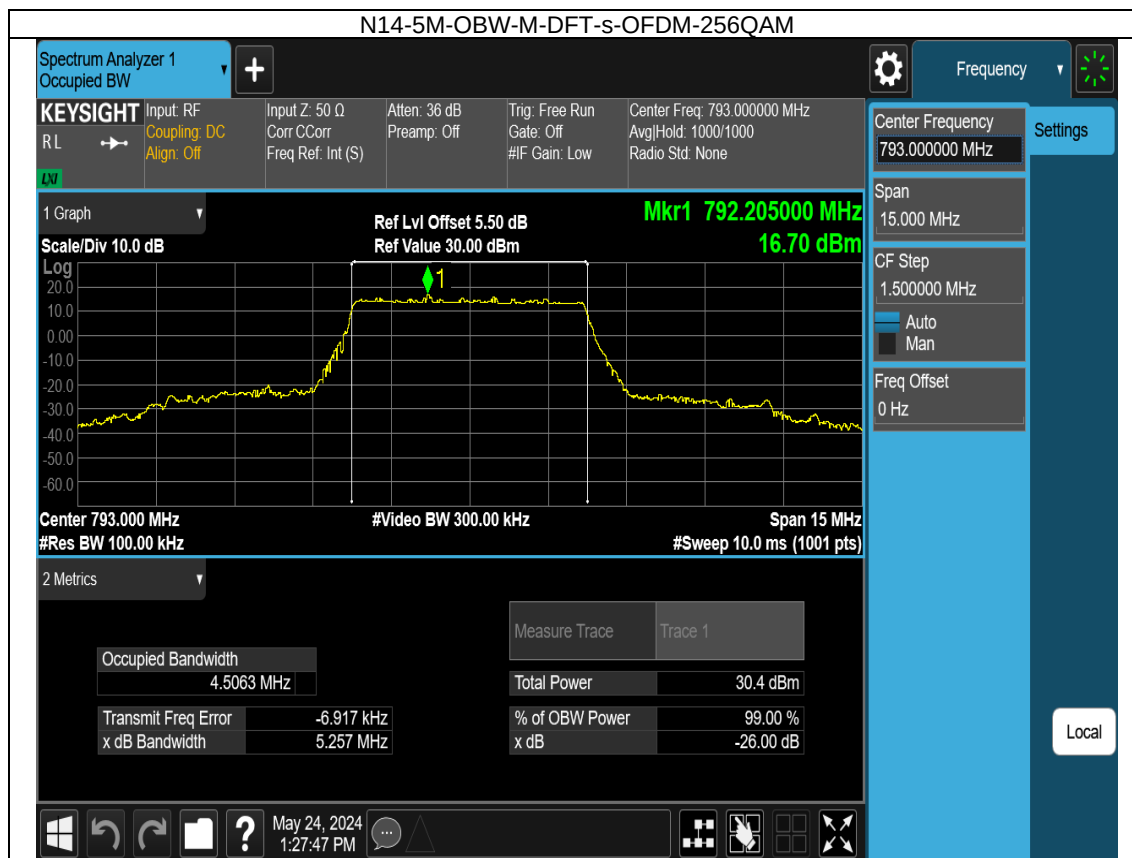


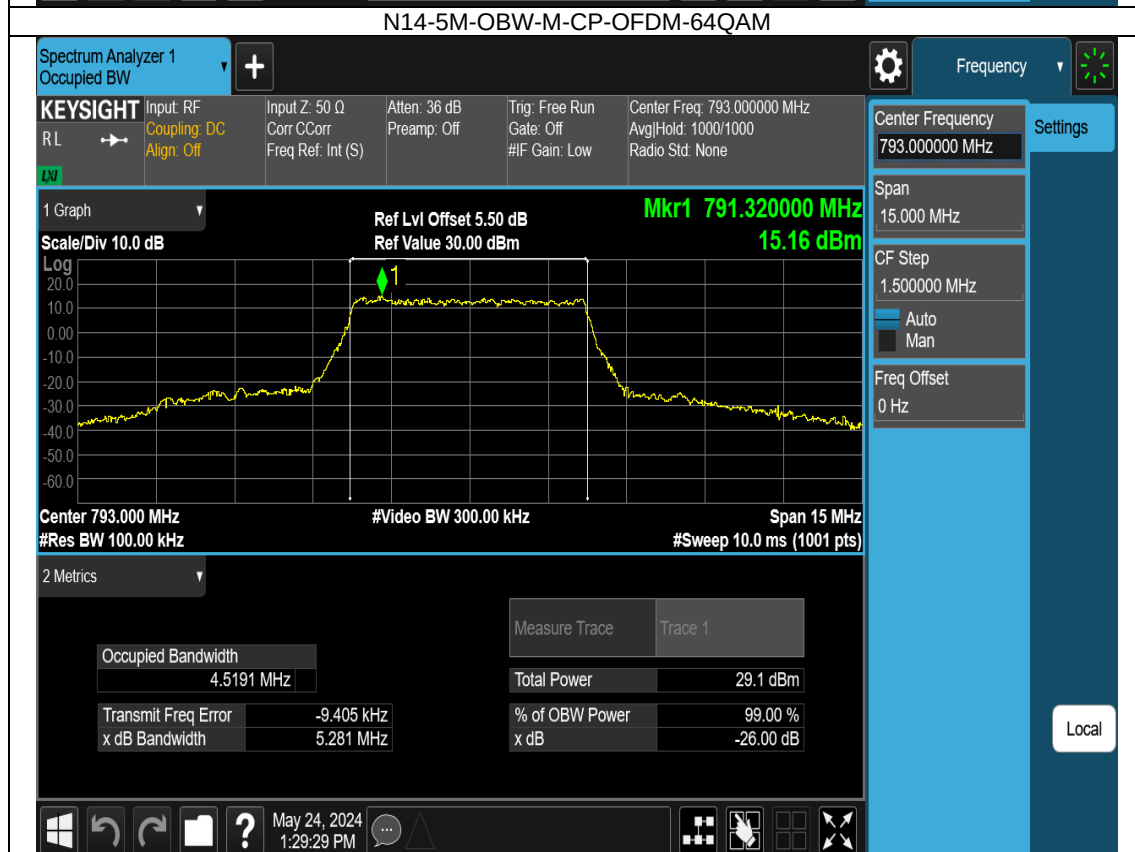
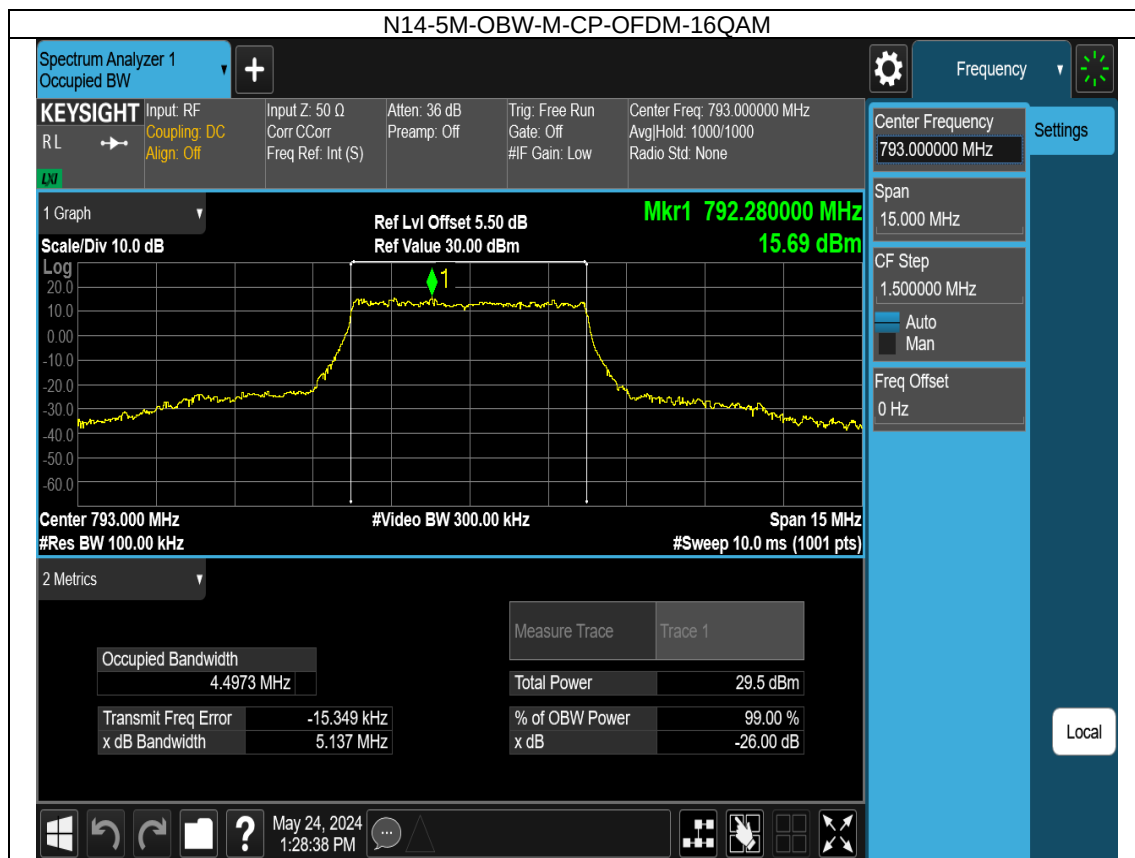
N14-5M-OBW-M-DFT-s-OFDM-16QAM

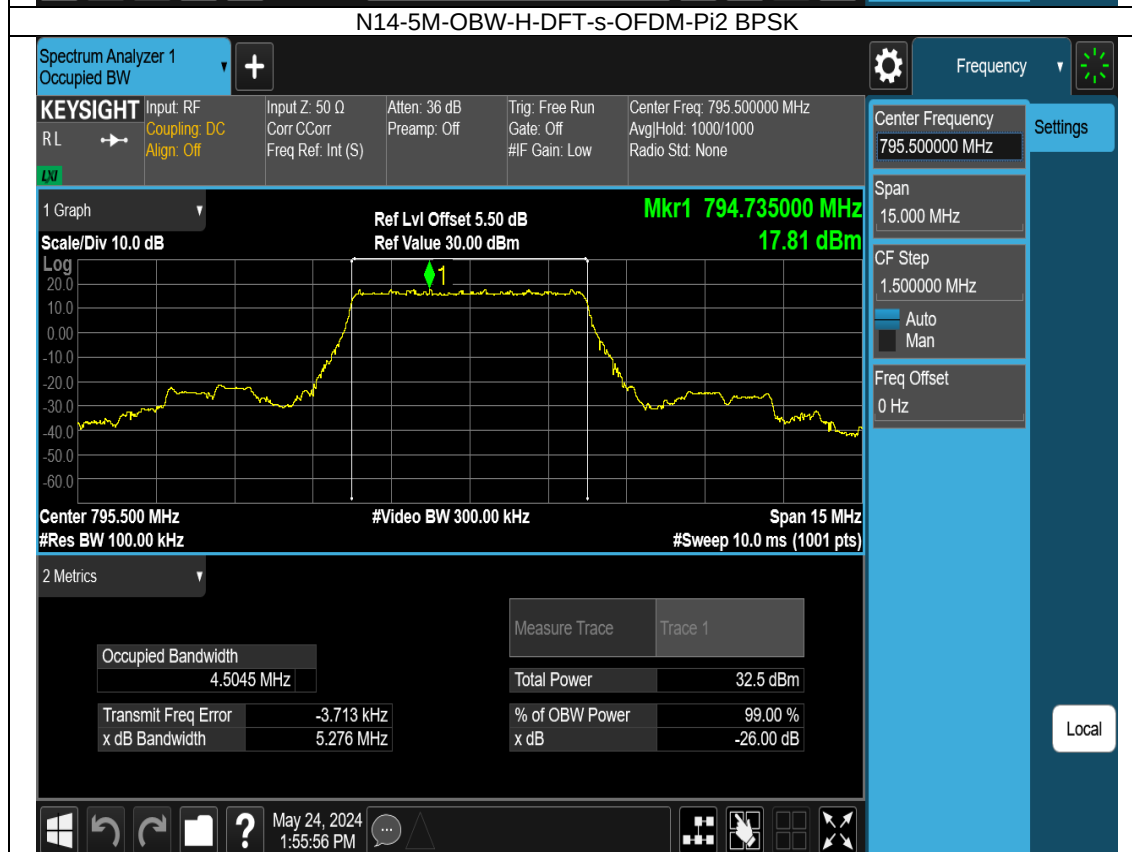
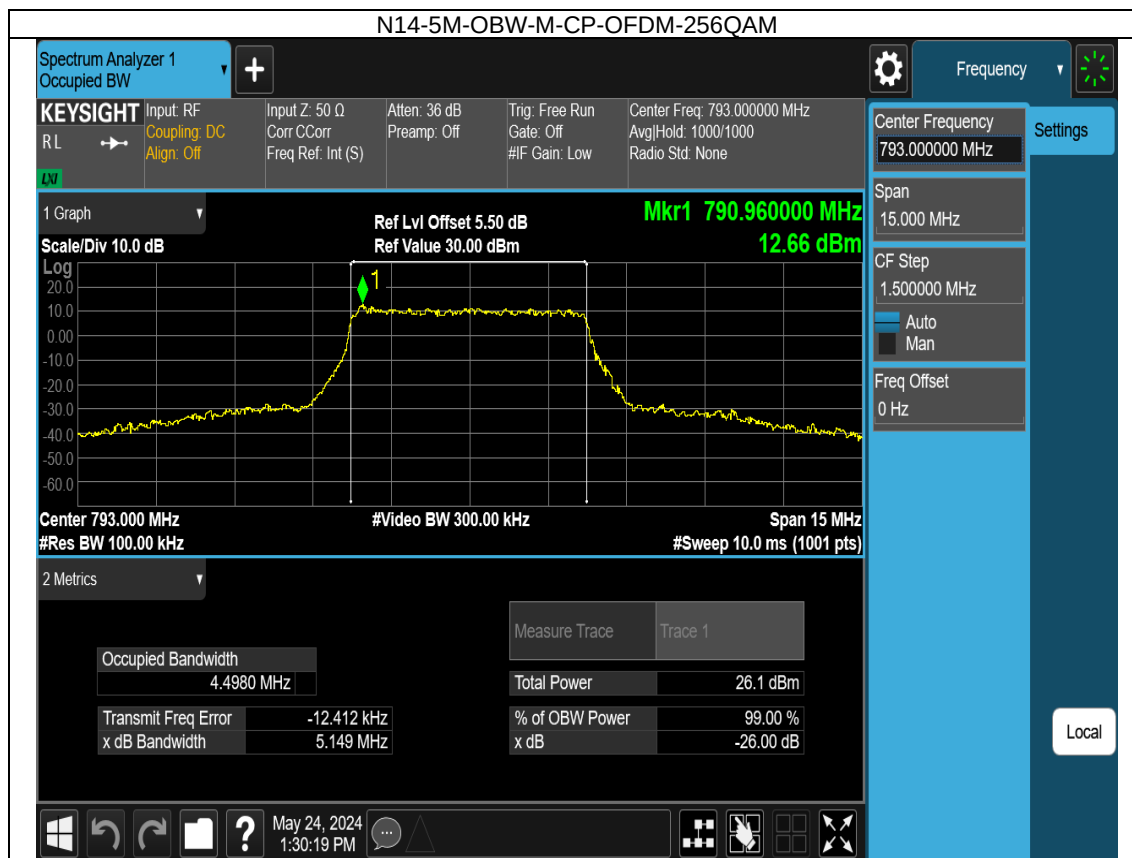


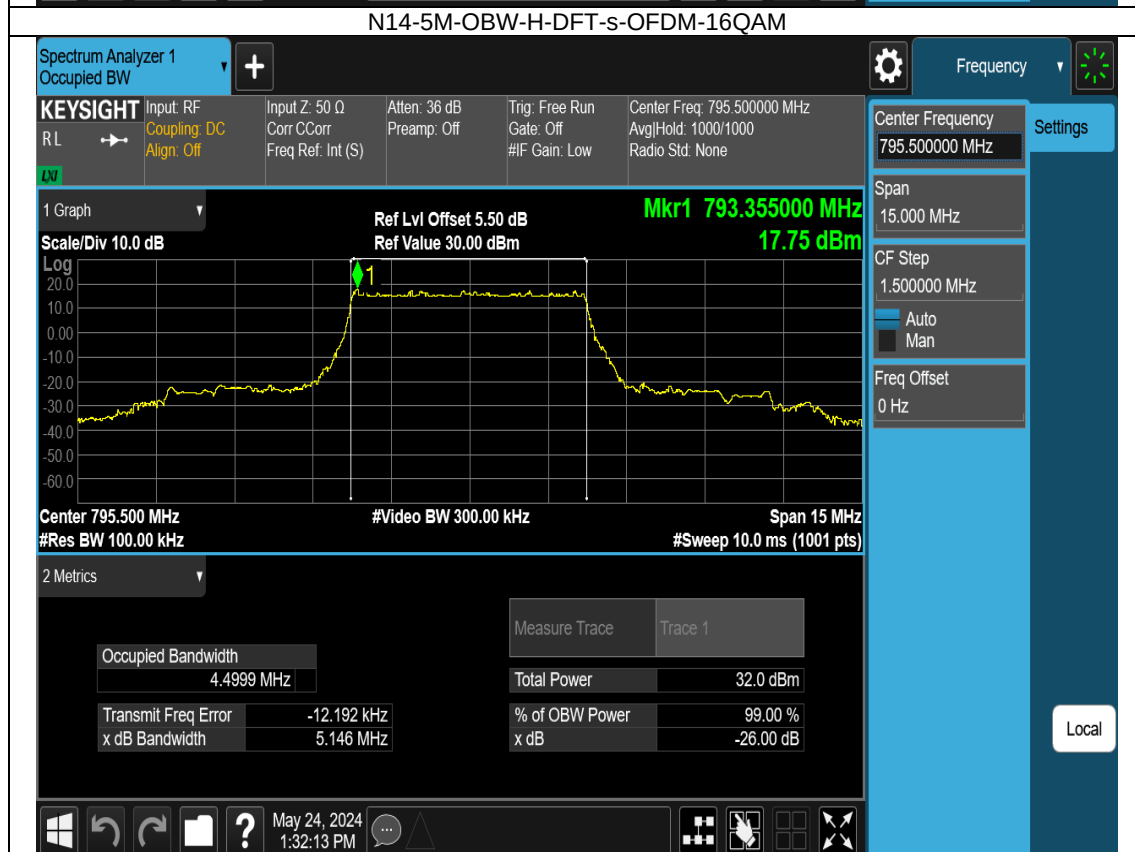
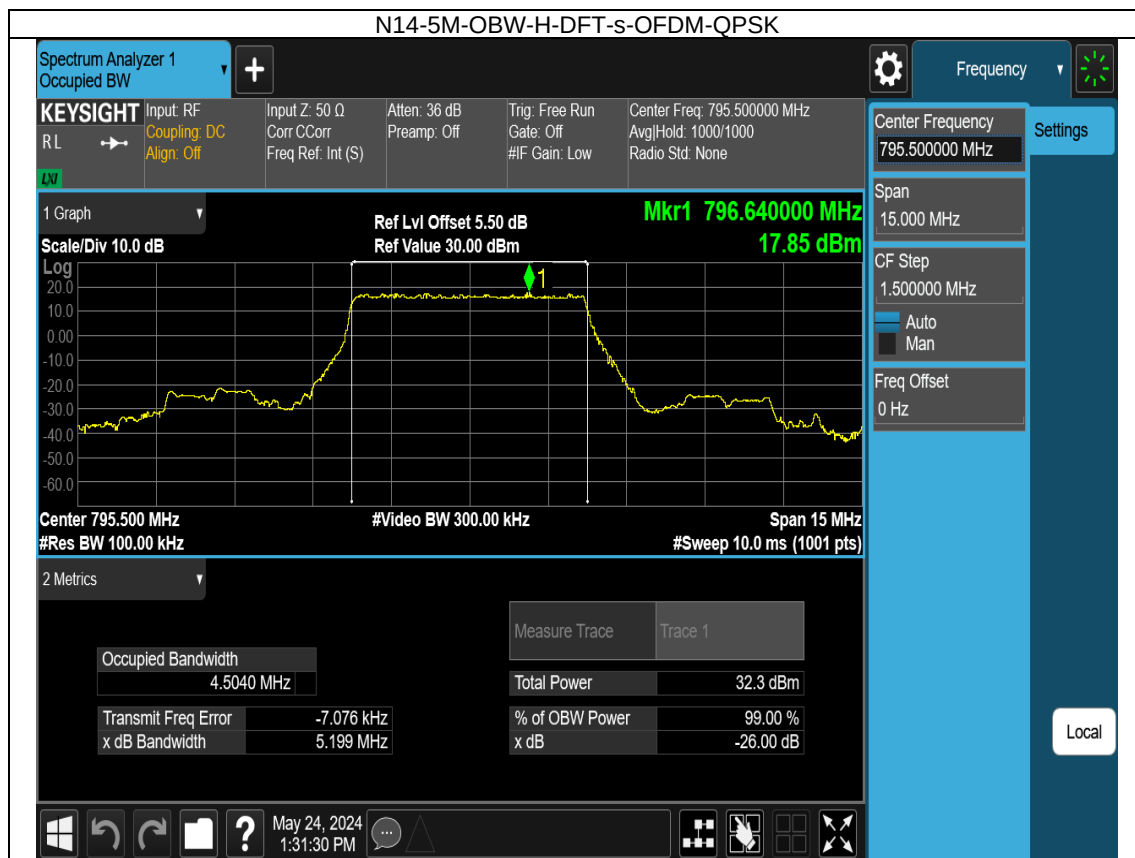
N14-5M-OBW-M-DFT-s-OFDM-64QAM



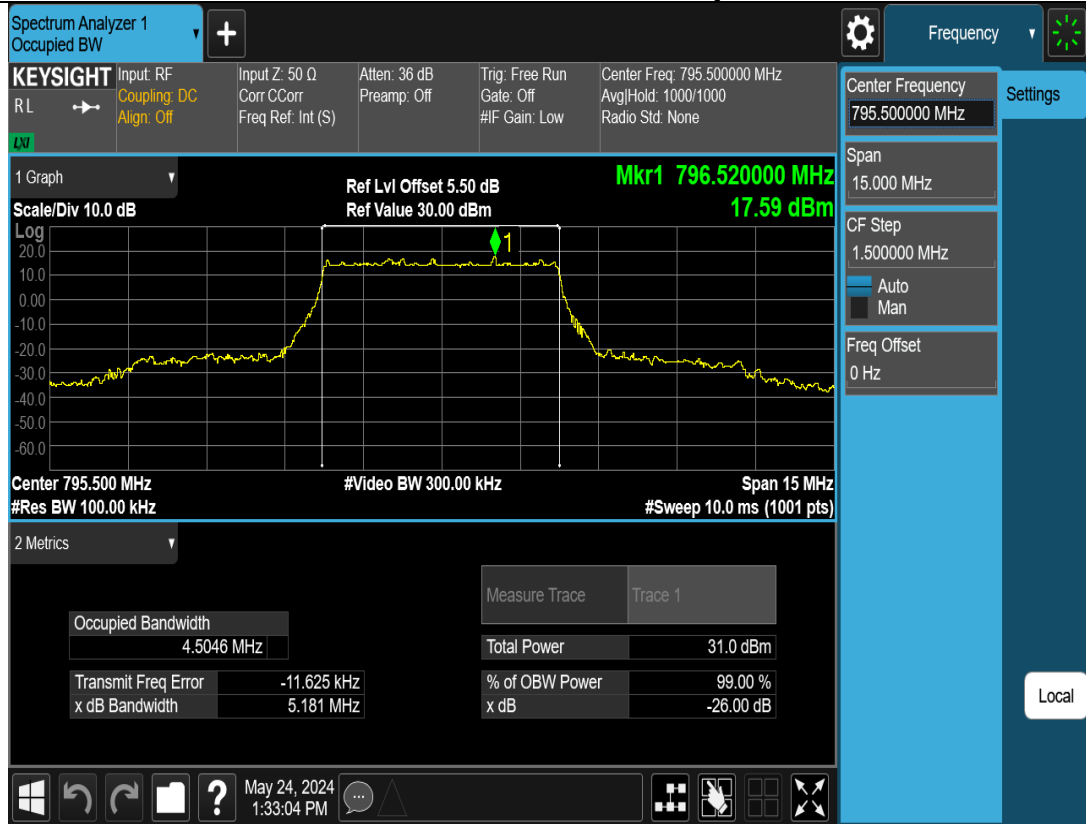




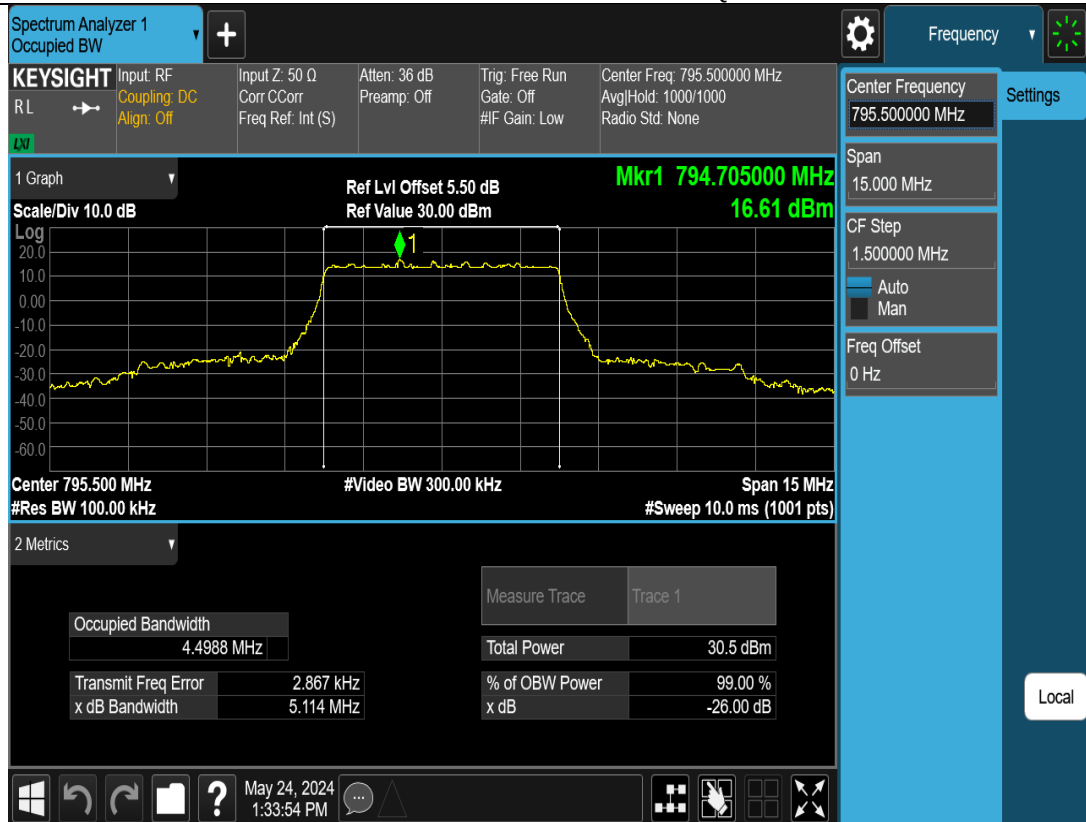


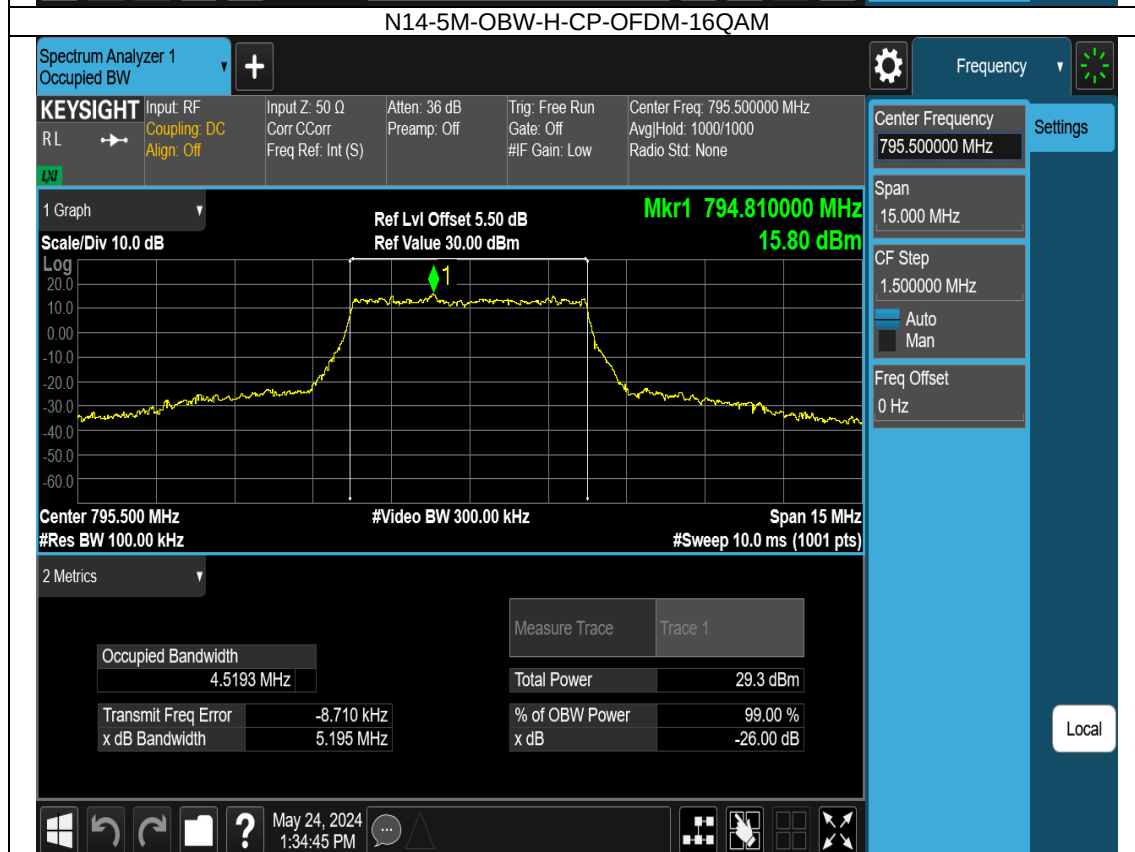
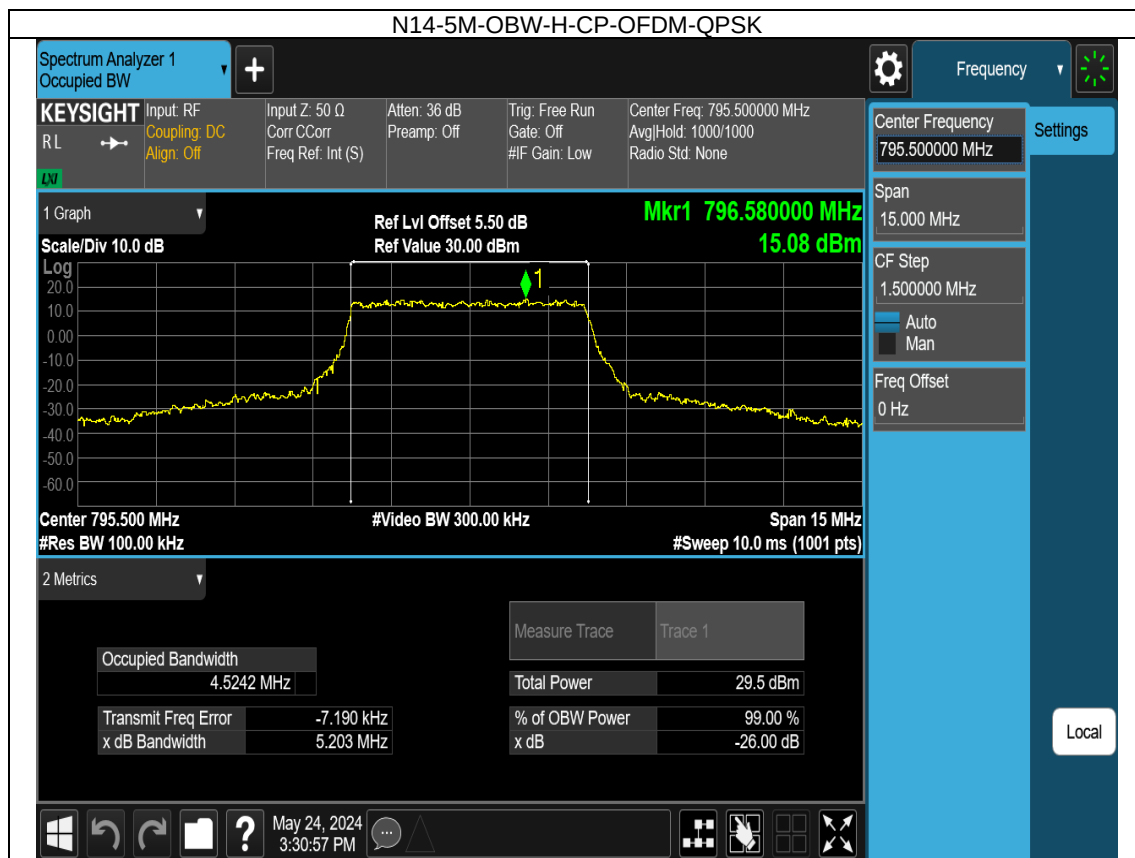


N14-5M-OBW-H-DFT-s-OFDM-64QAM

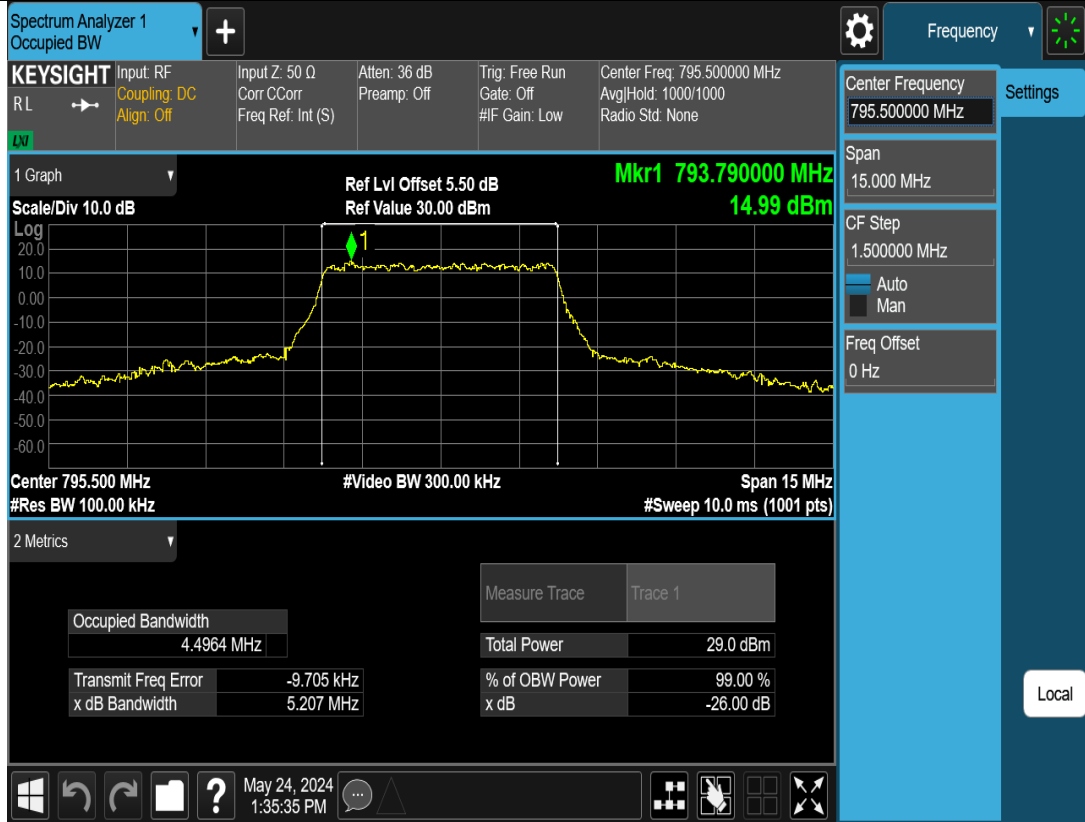


N14-5M-OBW-H-DFT-s-OFDM-256QAM

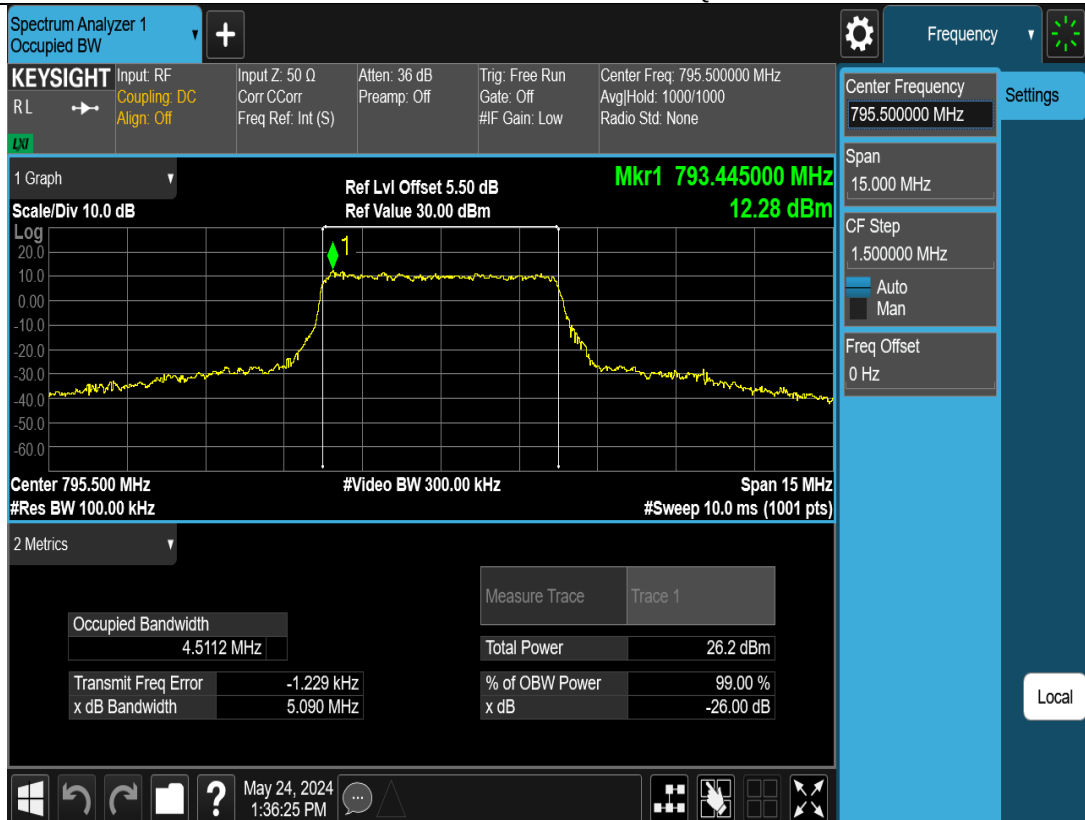


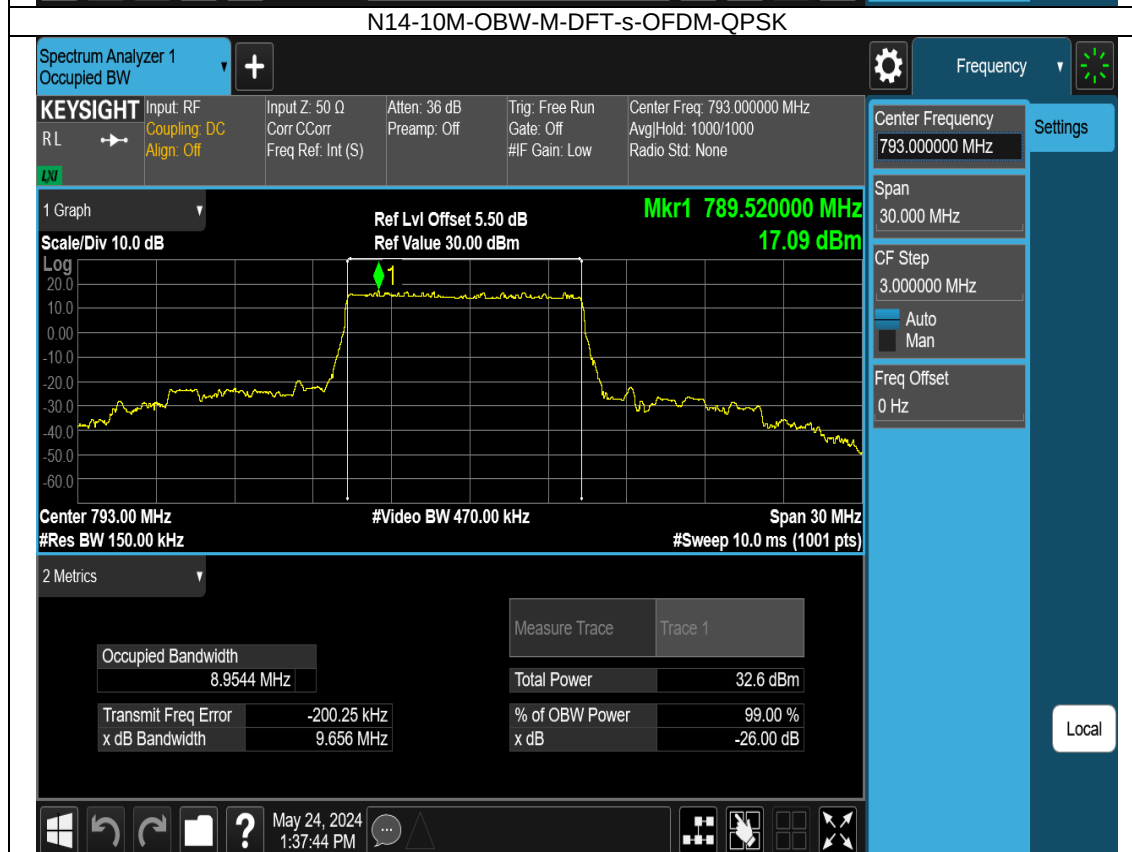
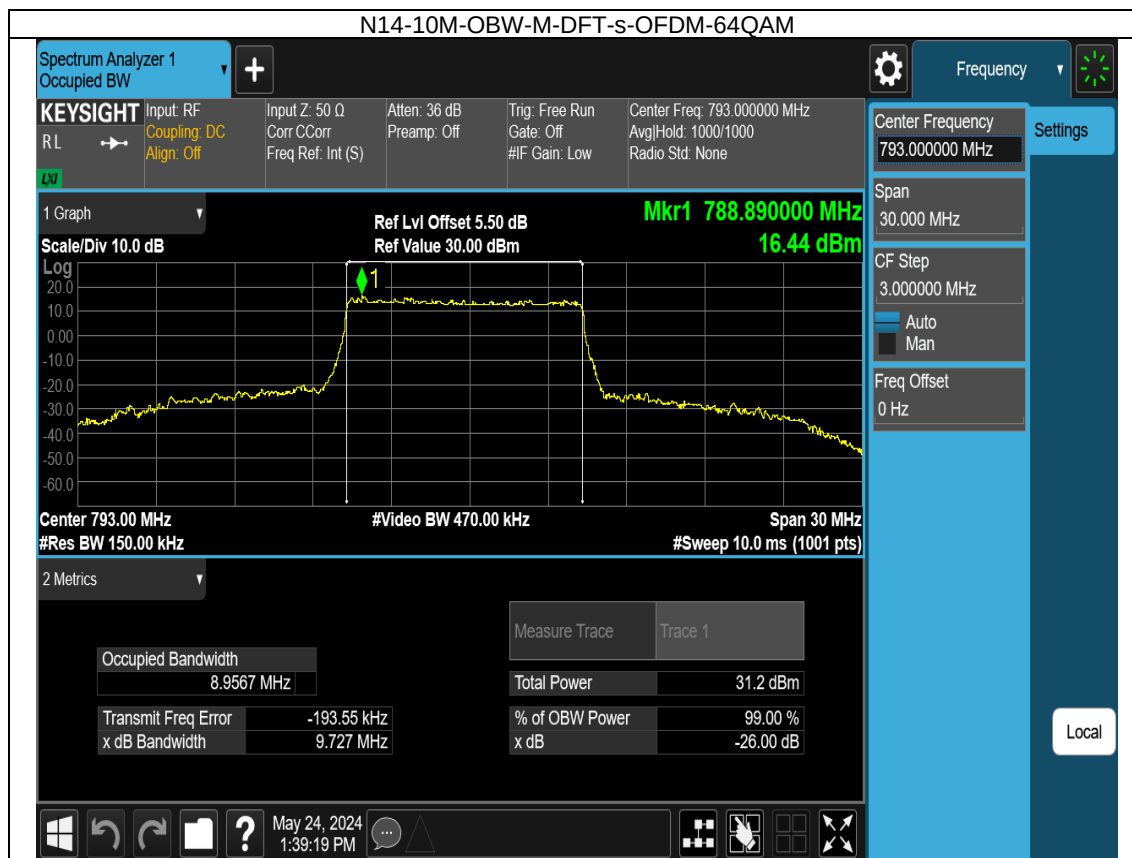


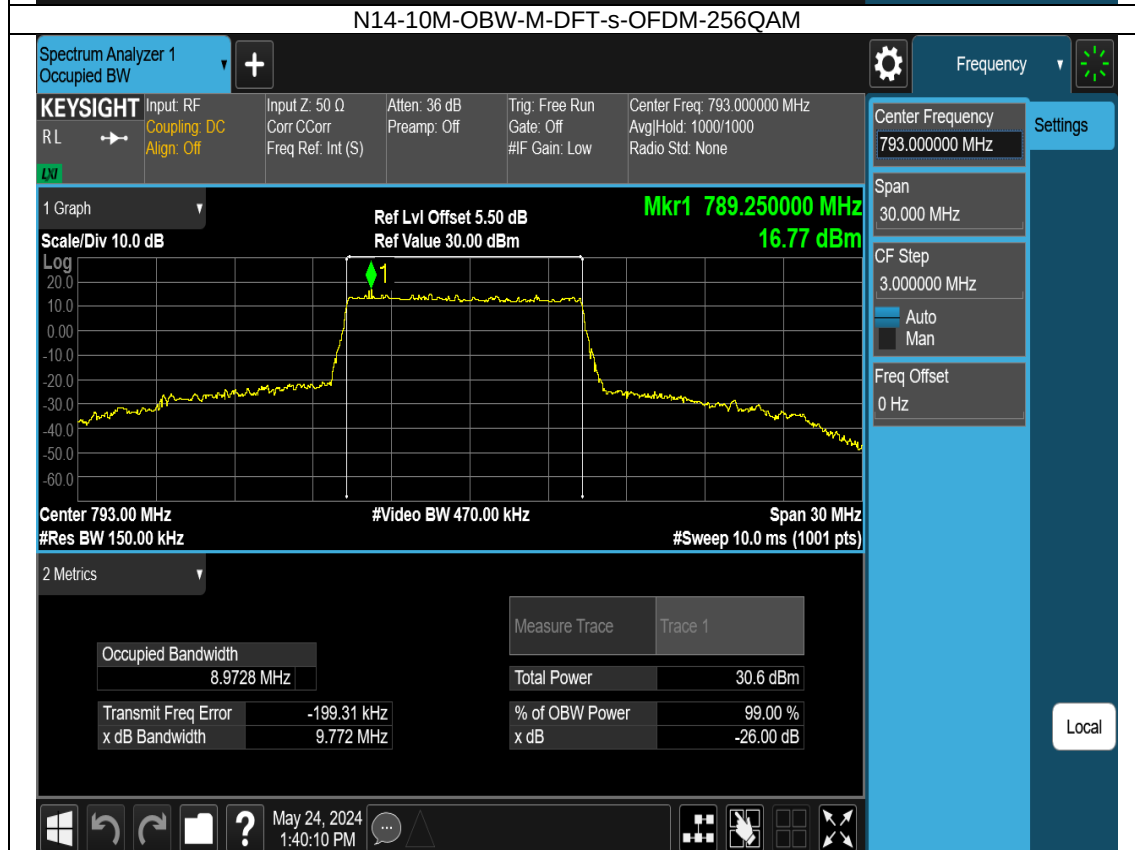
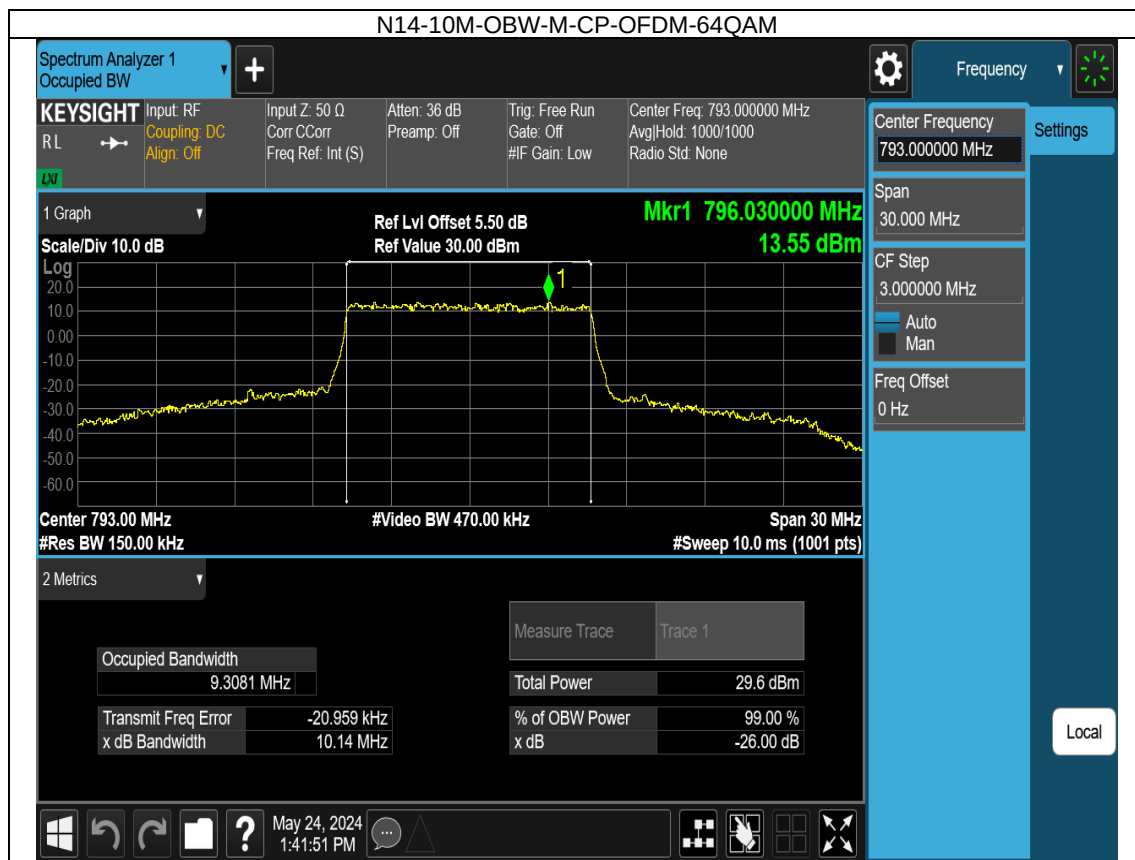
N14-5M-OBW-H-CP-OFDM-64QAM

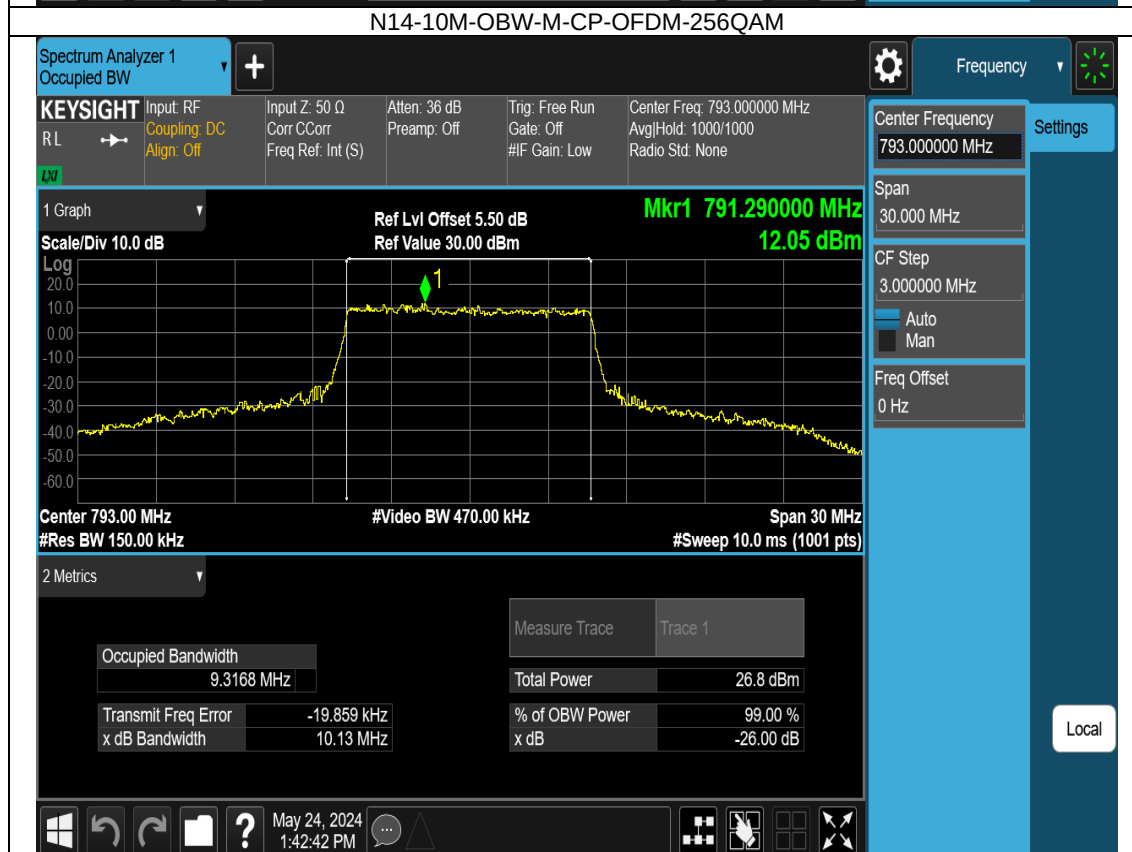
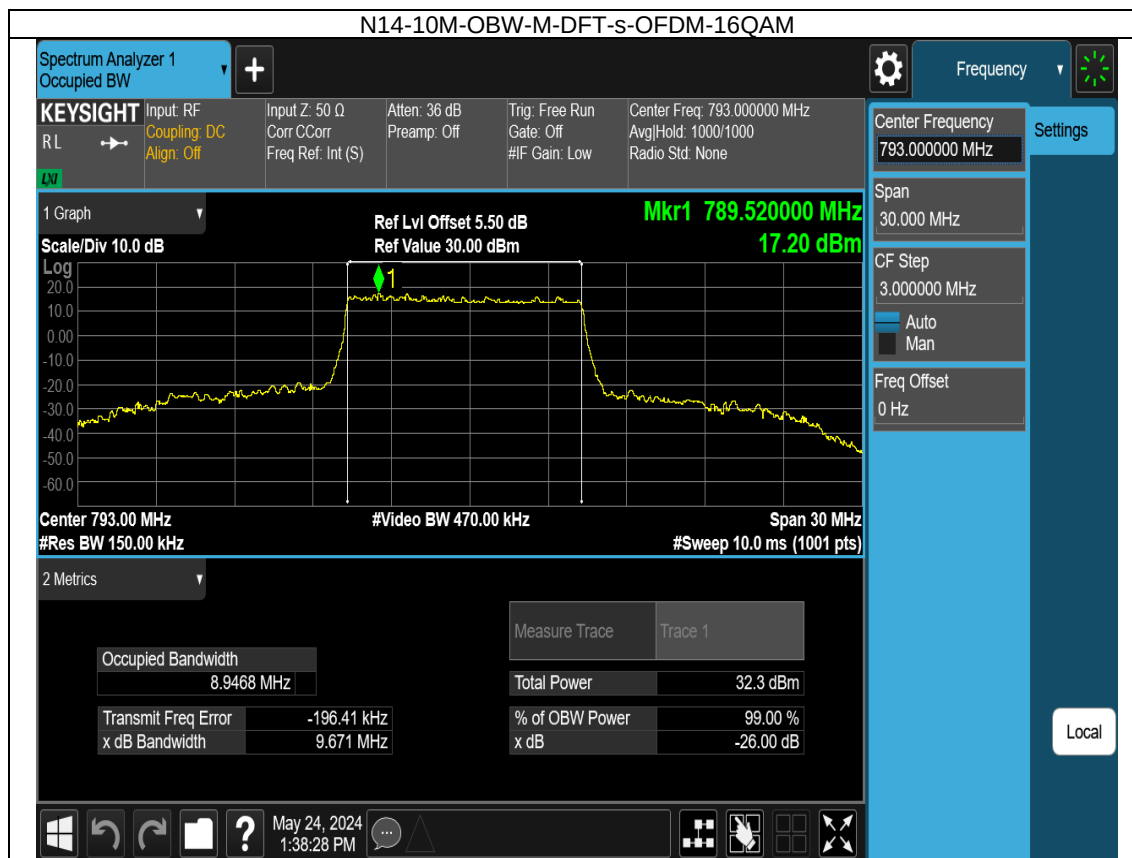


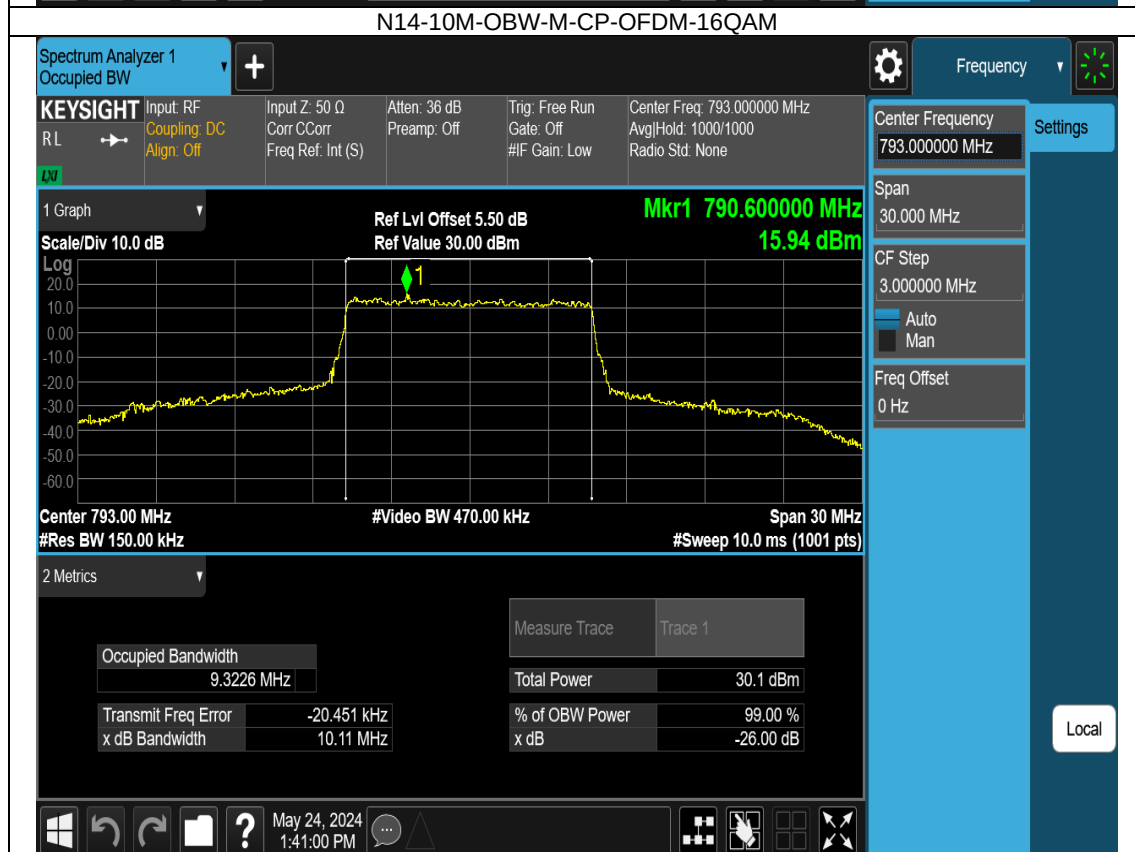
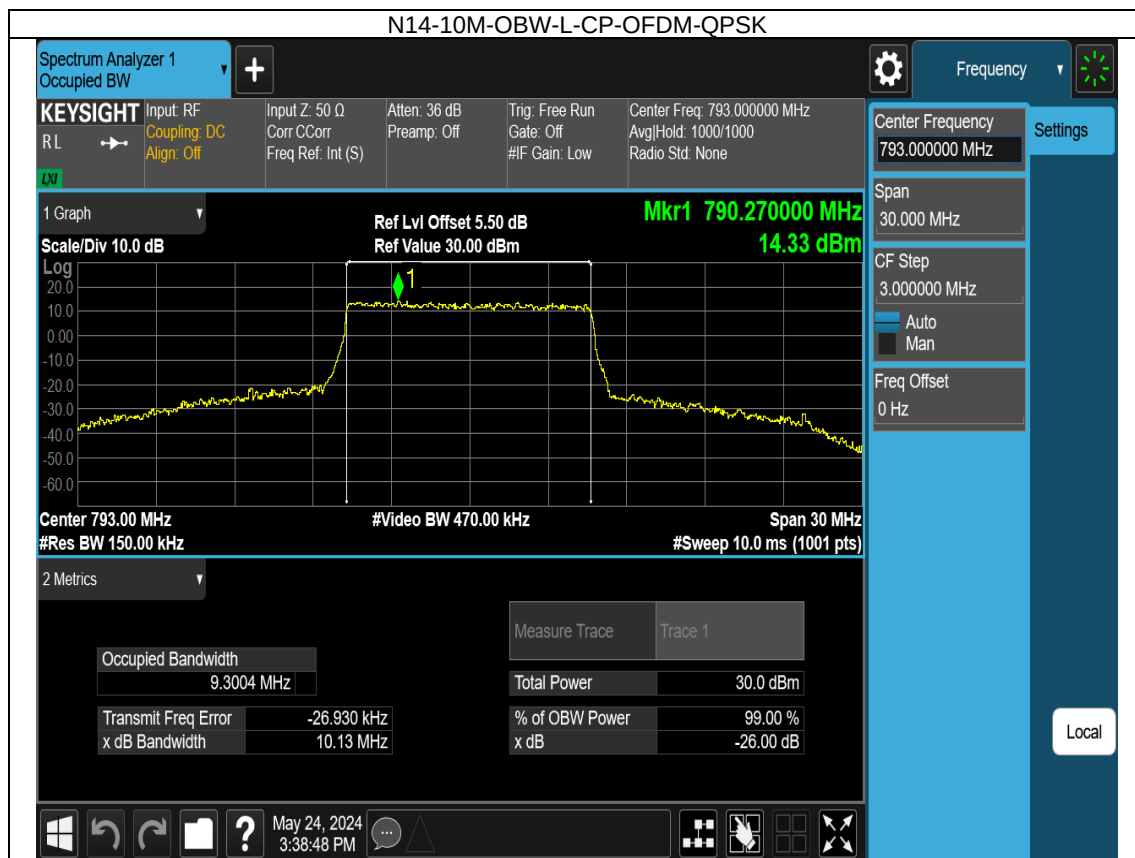
N14-5M-OBW-H-CP-OFDM-256QAM

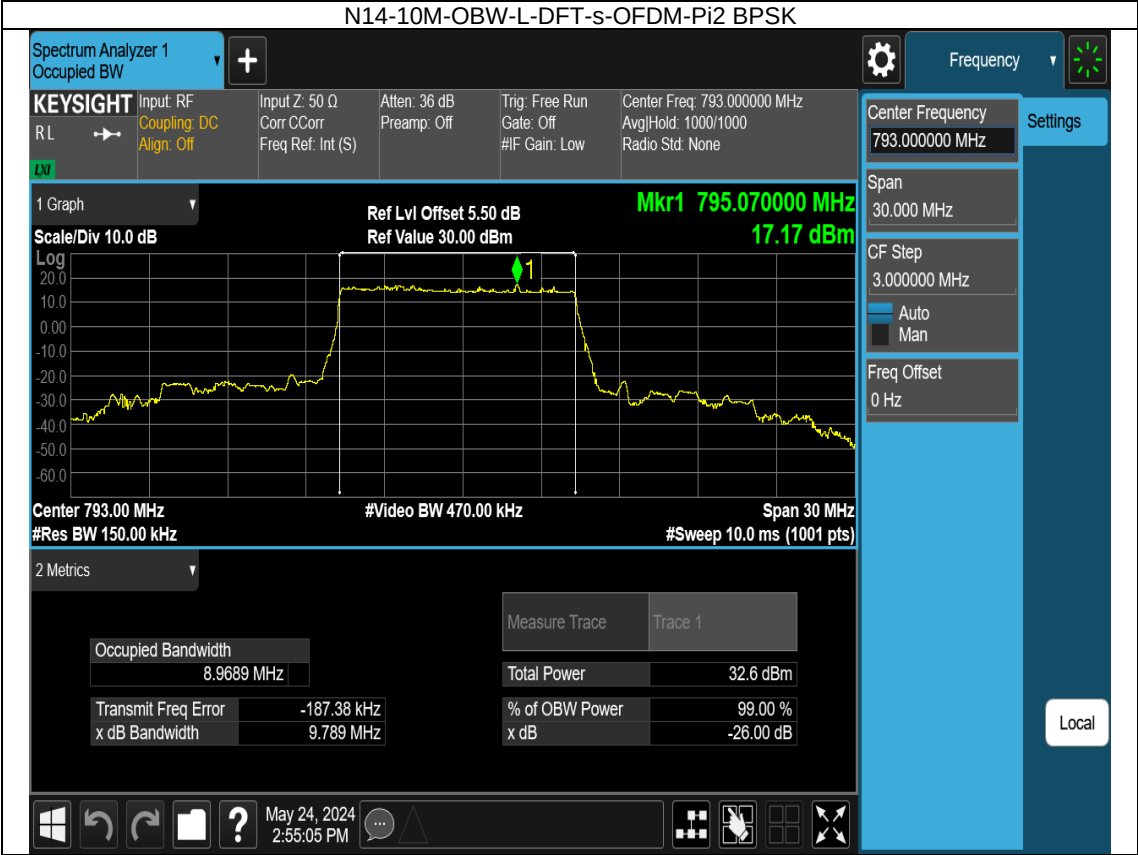












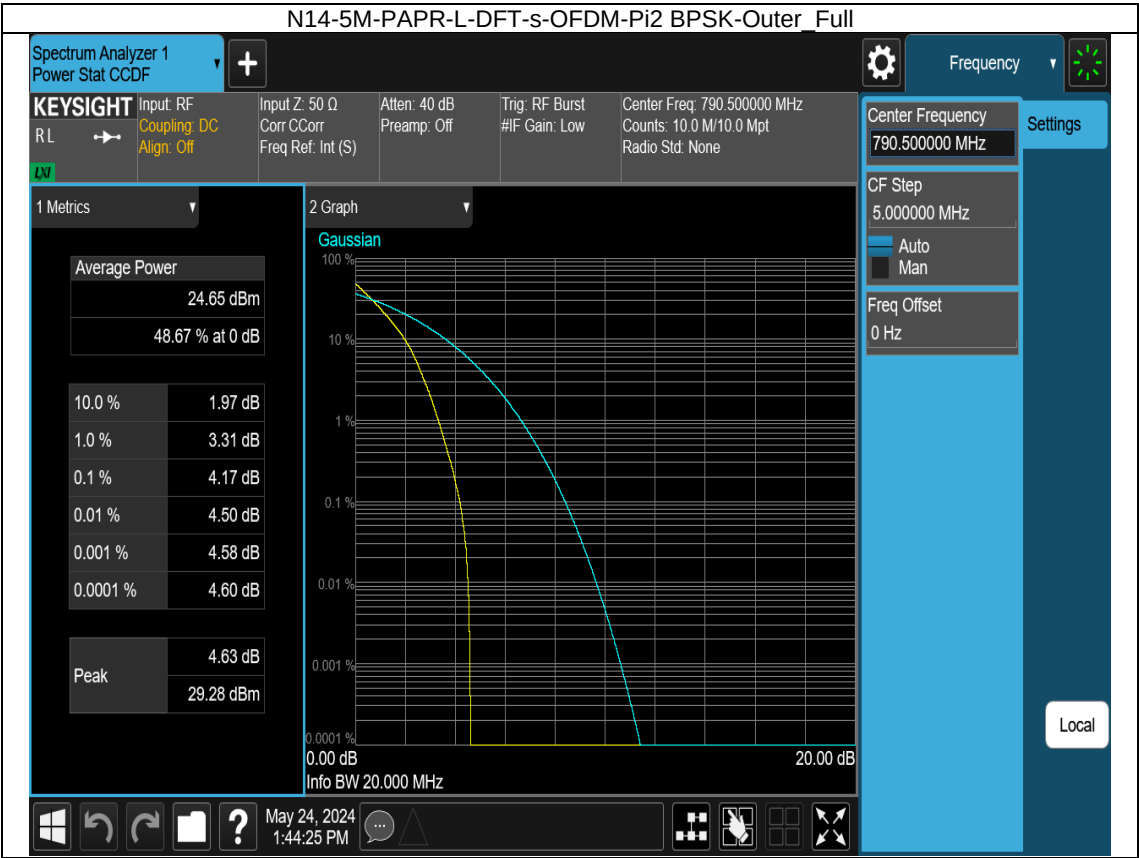
Peak-Average Ratio

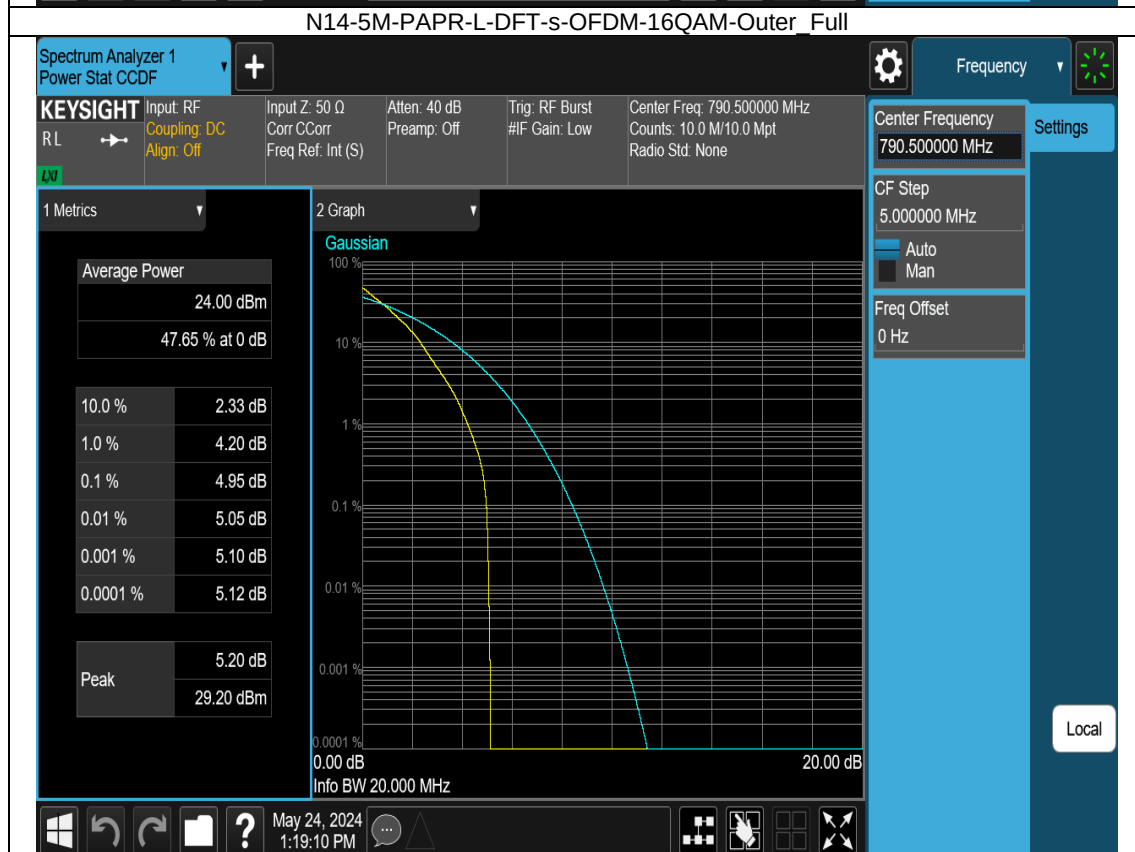
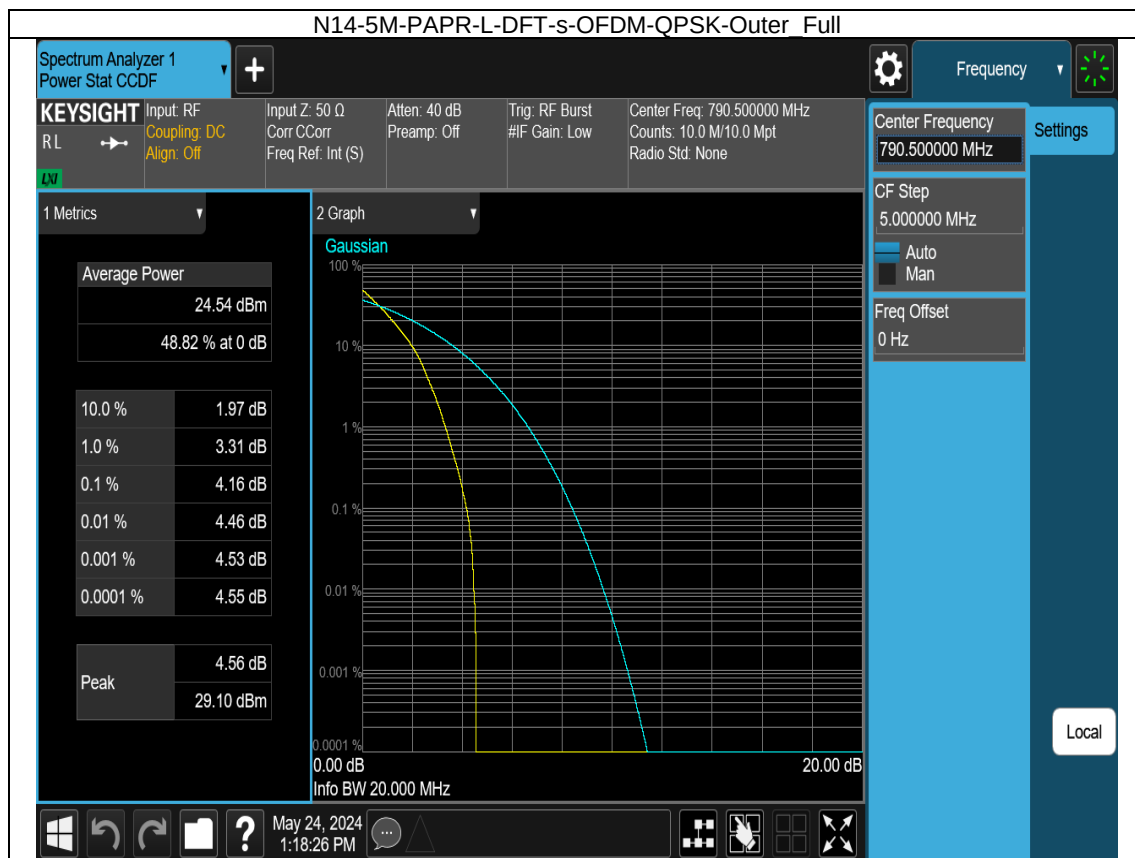
Test Result

5G NR n14 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	Outer_Full	4.17	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	4.16	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	4.95	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.23	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.22	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.99	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.09	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.47	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.19	<=13	Pass
DFT-s-OFDM PI/2 BPSK		Outer_Full	4.35	<=13	Pass
DFT-s-OFDM QPSK	Middle CH	Outer_Full	4.24	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	5.74	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.46	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.71	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.09	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.08	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.54	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.61	<=13	Pass
DFT-s-OFDM PI/2 BPSK		Outer_Full	4.32	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	4.30	<=13	Pass
DFT-s-OFDM 16QAM	High CH	Outer_Full	5.82	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.54	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	6.79	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.98	<=13	Pass
CP-OFDM 16QAM		Outer_Full	7.12	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.57	<=13	Pass
CP-OFDM 256QAM		Outer_Full	8.64	<=13	Pass

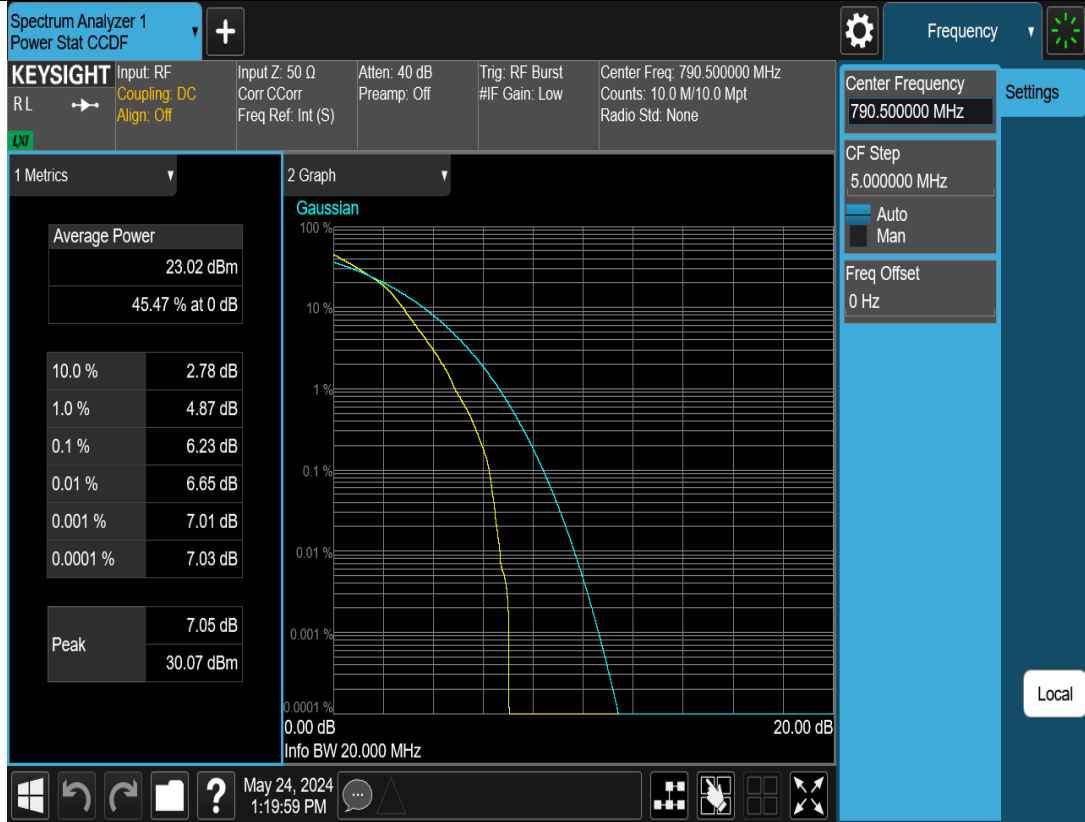
5G NR n14 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Middle CH	Outer_Full	6.53	<=13	Pass
DFT-s-OFDM QPSK		Outer_Full	4.33	<=13	Pass
DFT-s-OFDM 16QAM		Outer_Full	7.65	<=13	Pass
DFT-s-OFDM 64QAM		Outer_Full	6.66	<=13	Pass
DFT-s-OFDM 256QAM		Outer_Full	5.79	<=13	Pass
CP-OFDM QPSK		Outer_Full	8.12	<=13	Pass
CP-OFDM 16QAM		Outer_Full	6.99	<=13	Pass
CP-OFDM 64QAM		Outer_Full	7.07	<=13	Pass
CP-OFDM 256QAM		Outer_Full	4.29	<=13	Pass

Test Graph



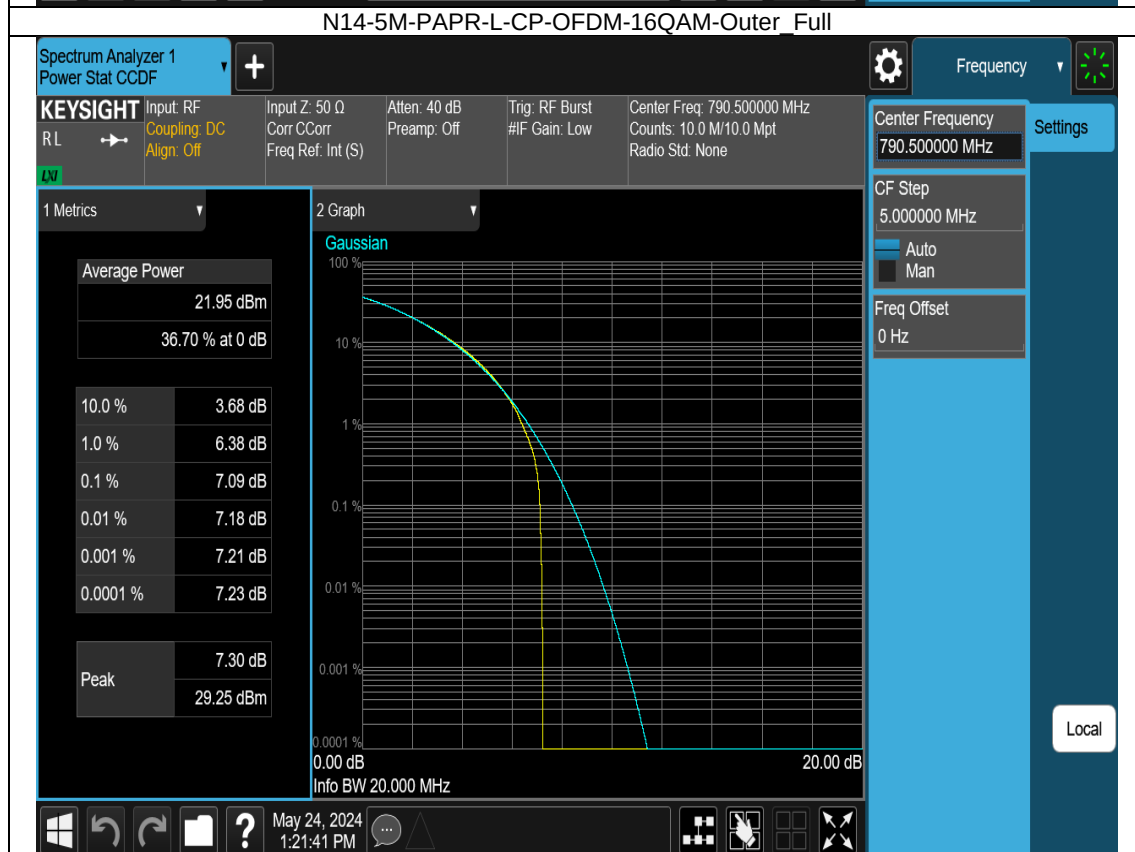
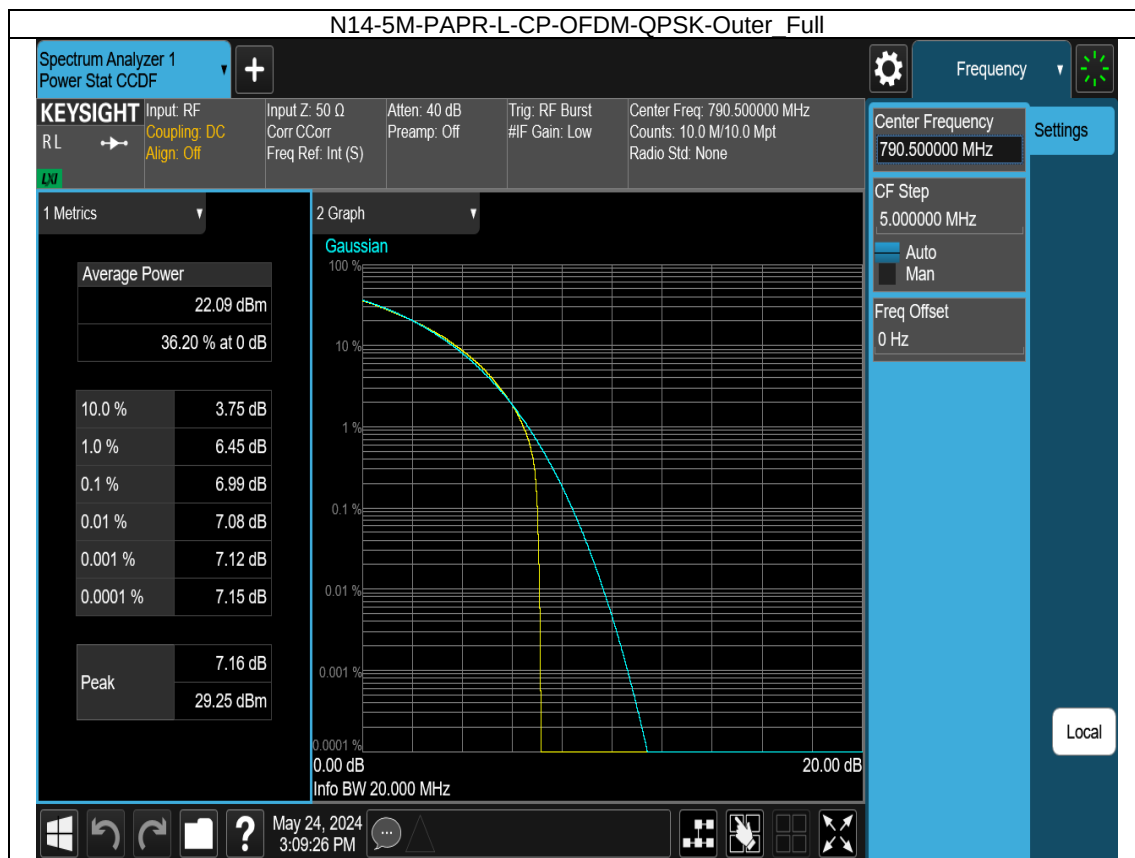


N14-5M-PAPR-L-DFT-s-OFDM-64QAM-Outer Full

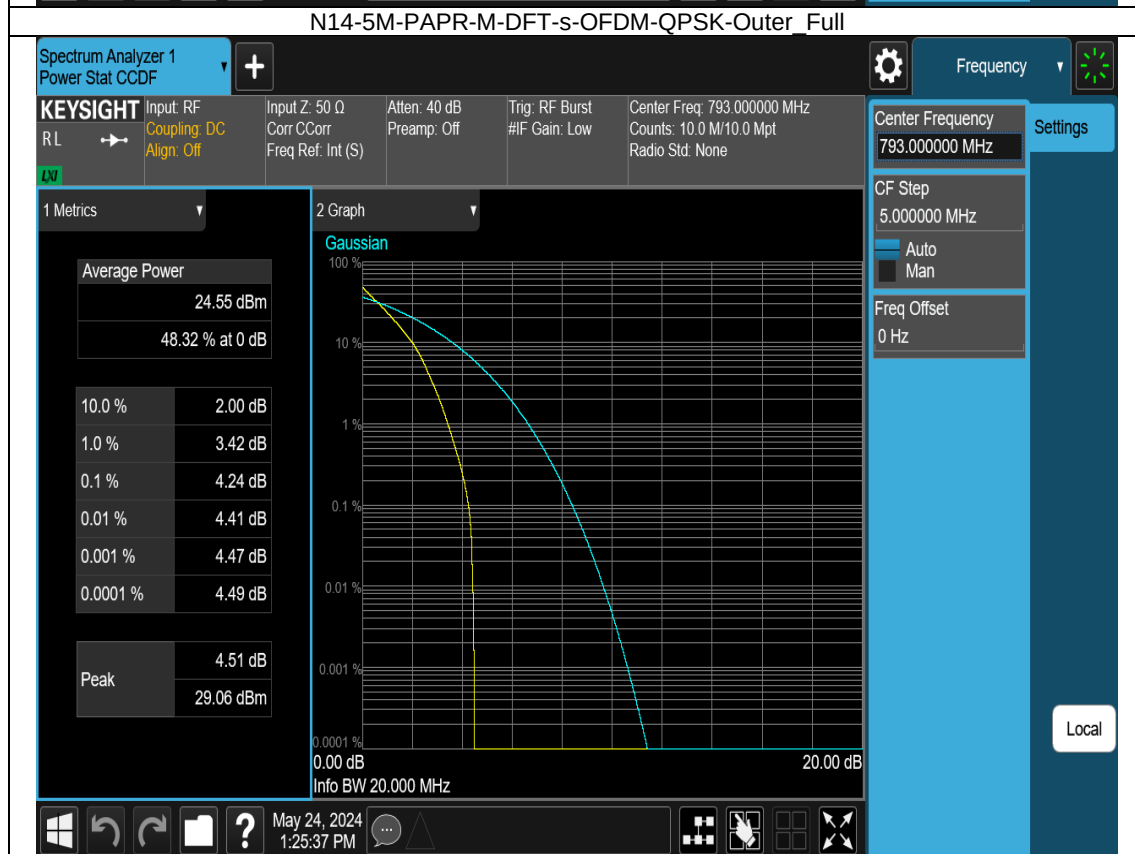
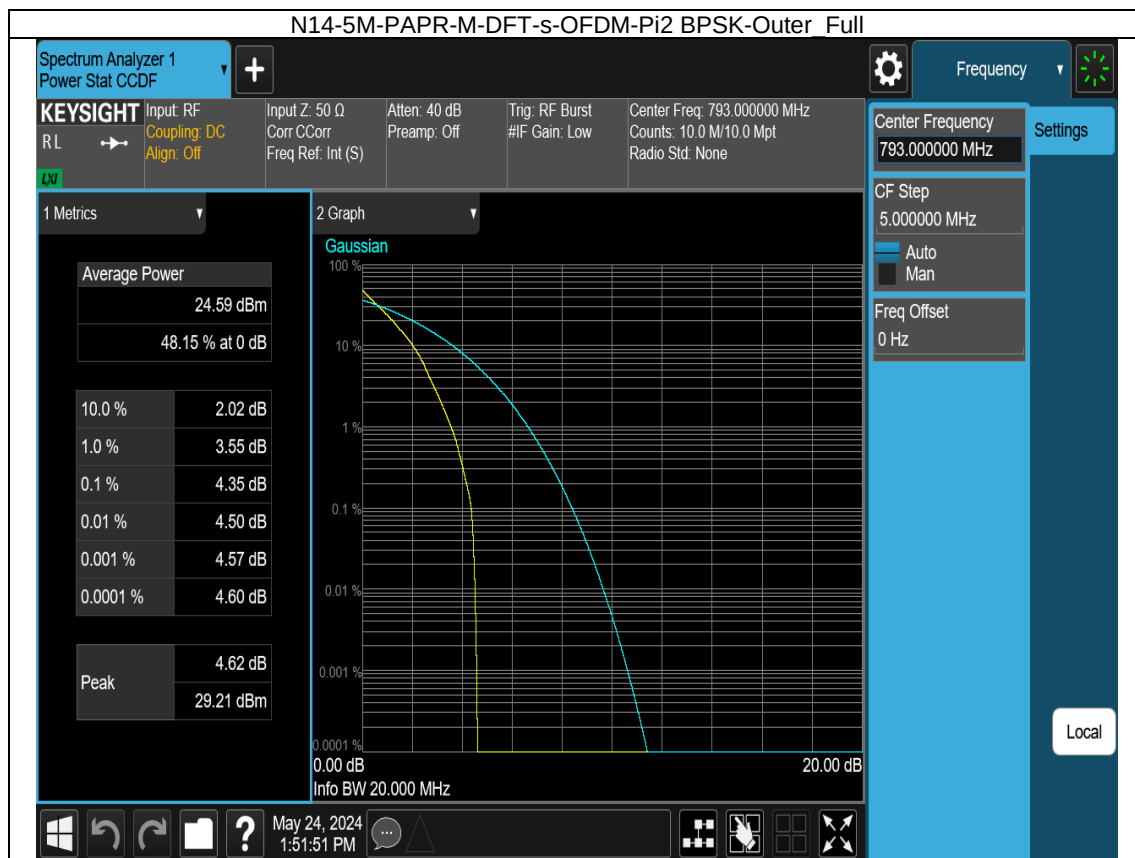


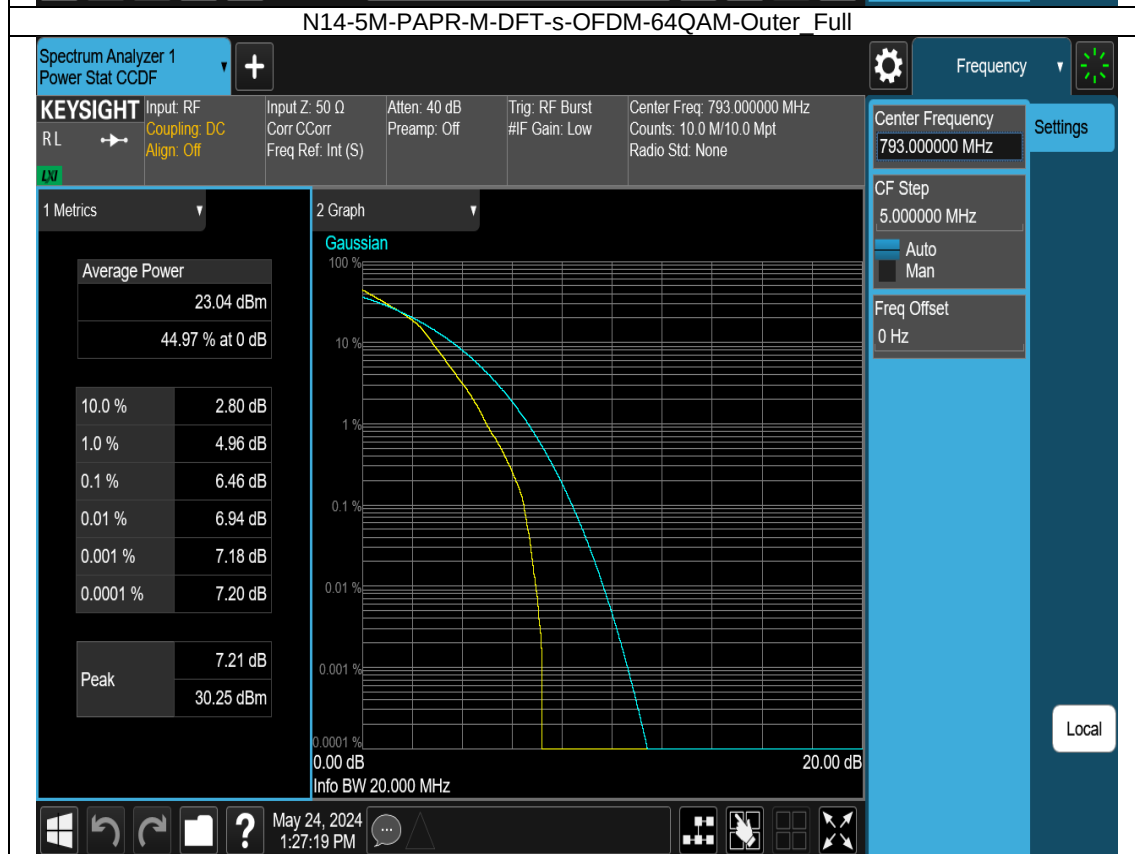
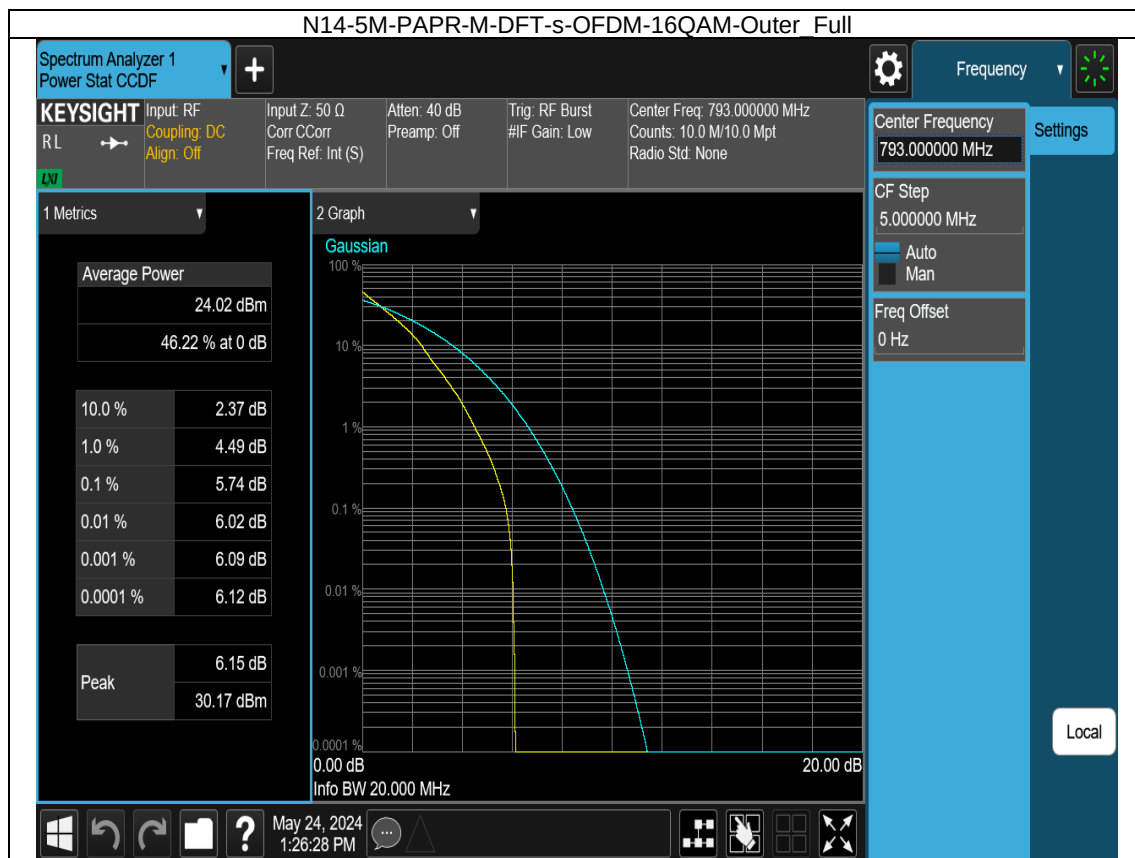
N14-5M-PAPR-L-DFT-s-OFDM-256QAM-Outer Full

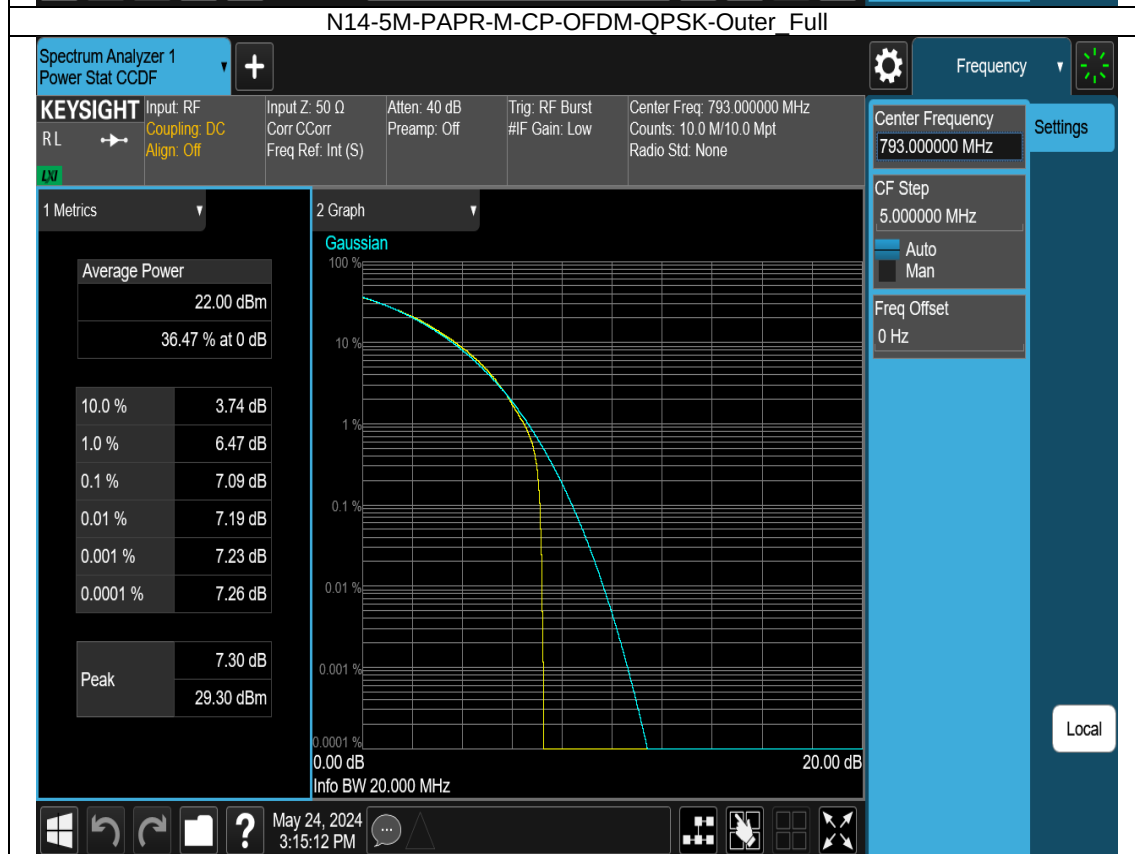
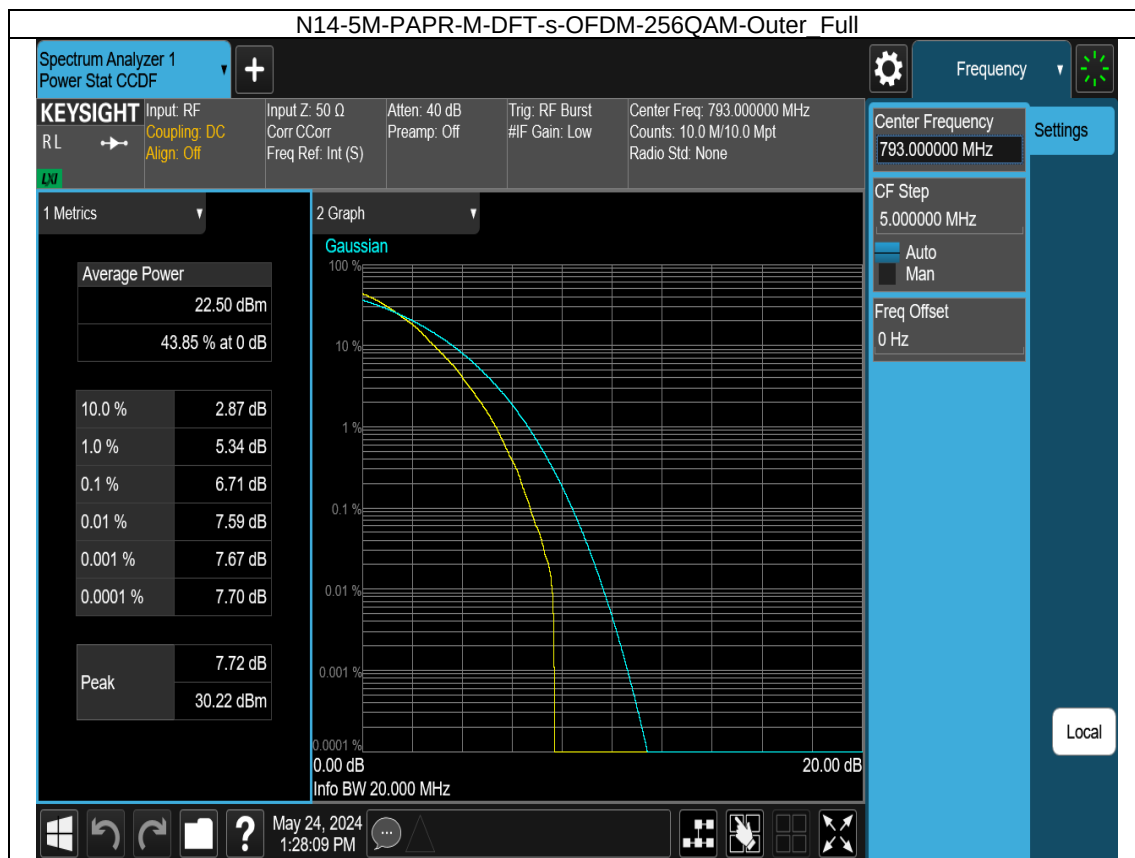


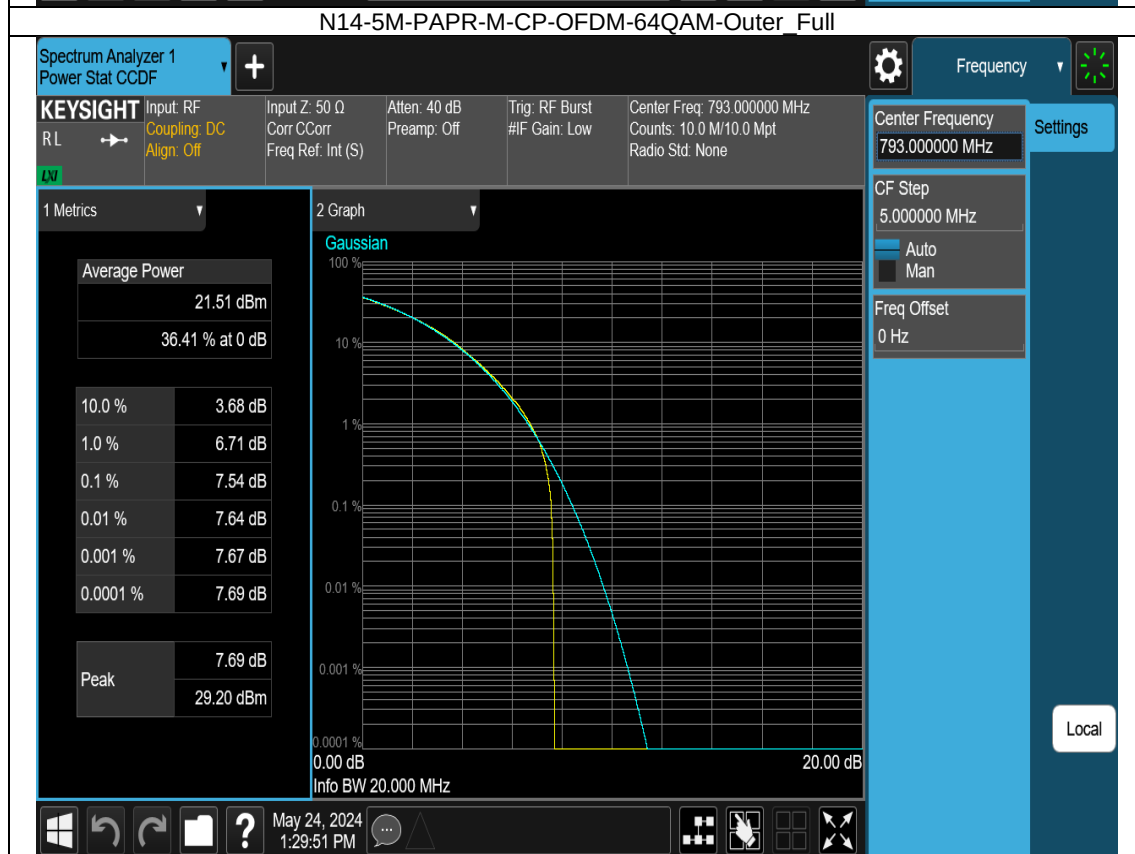
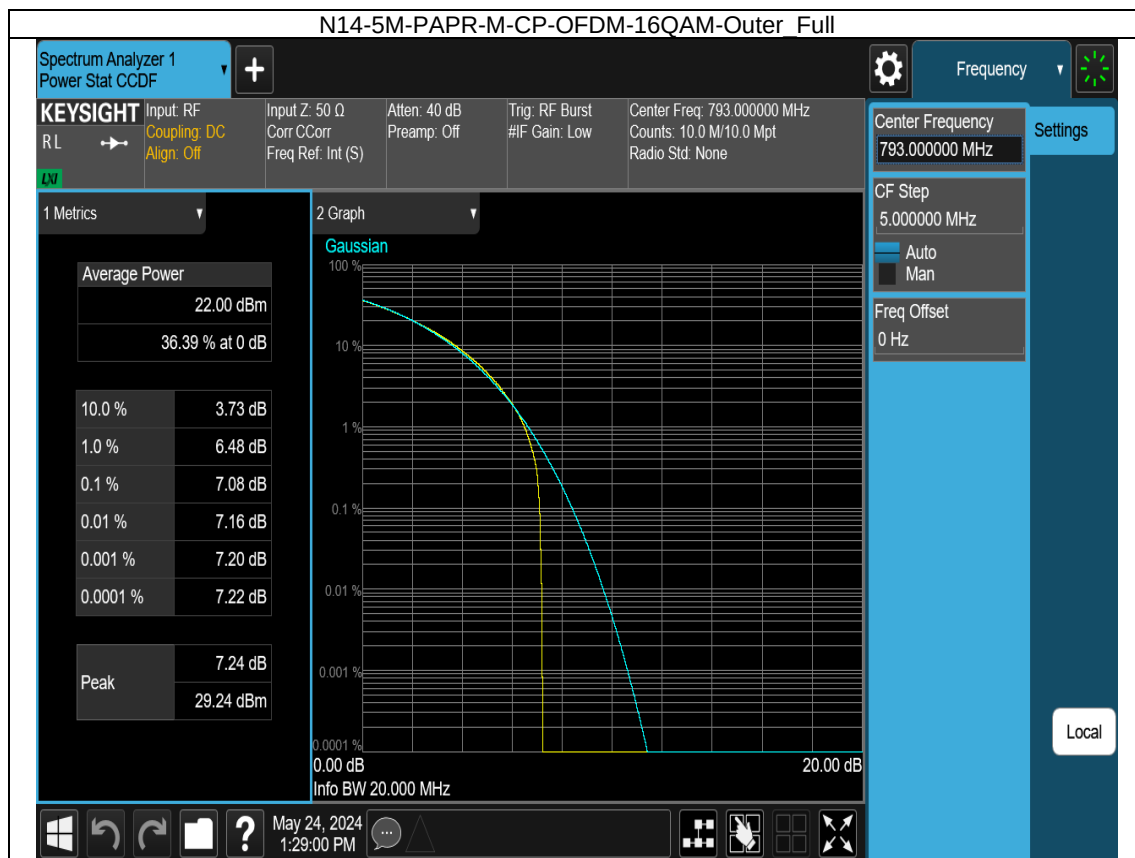


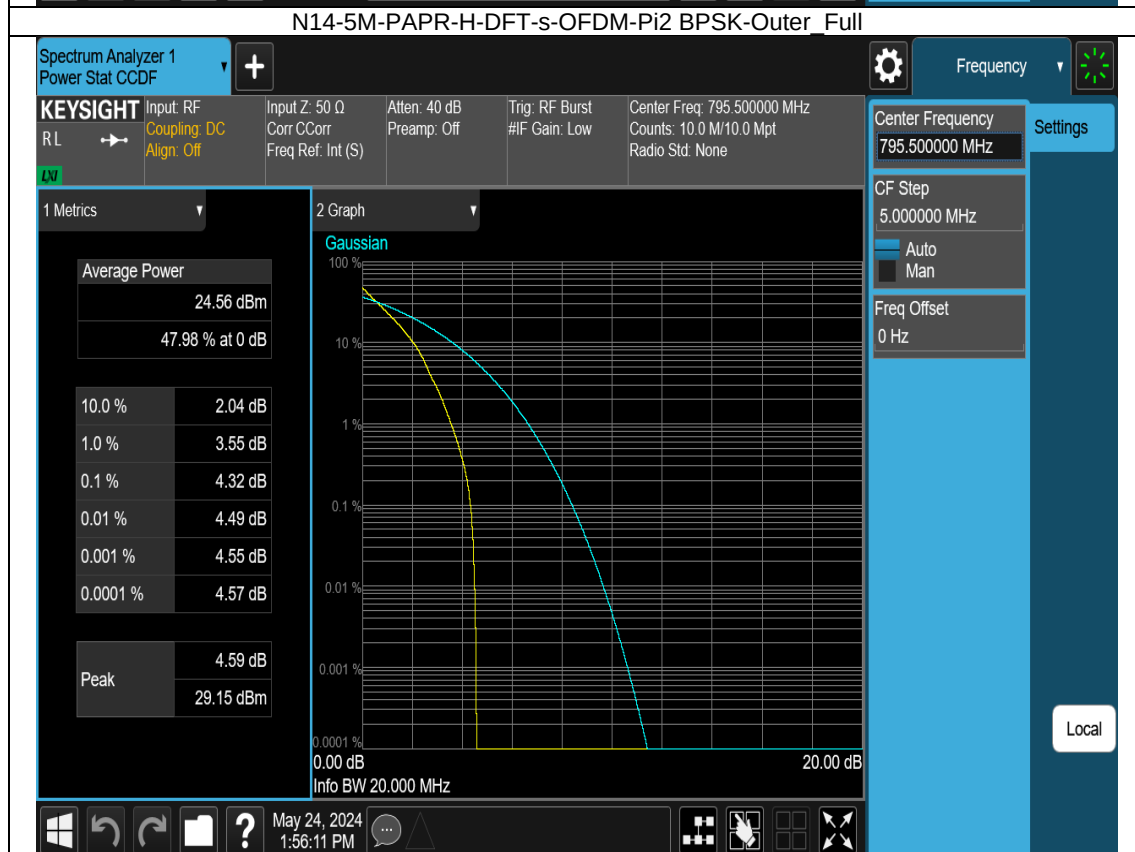
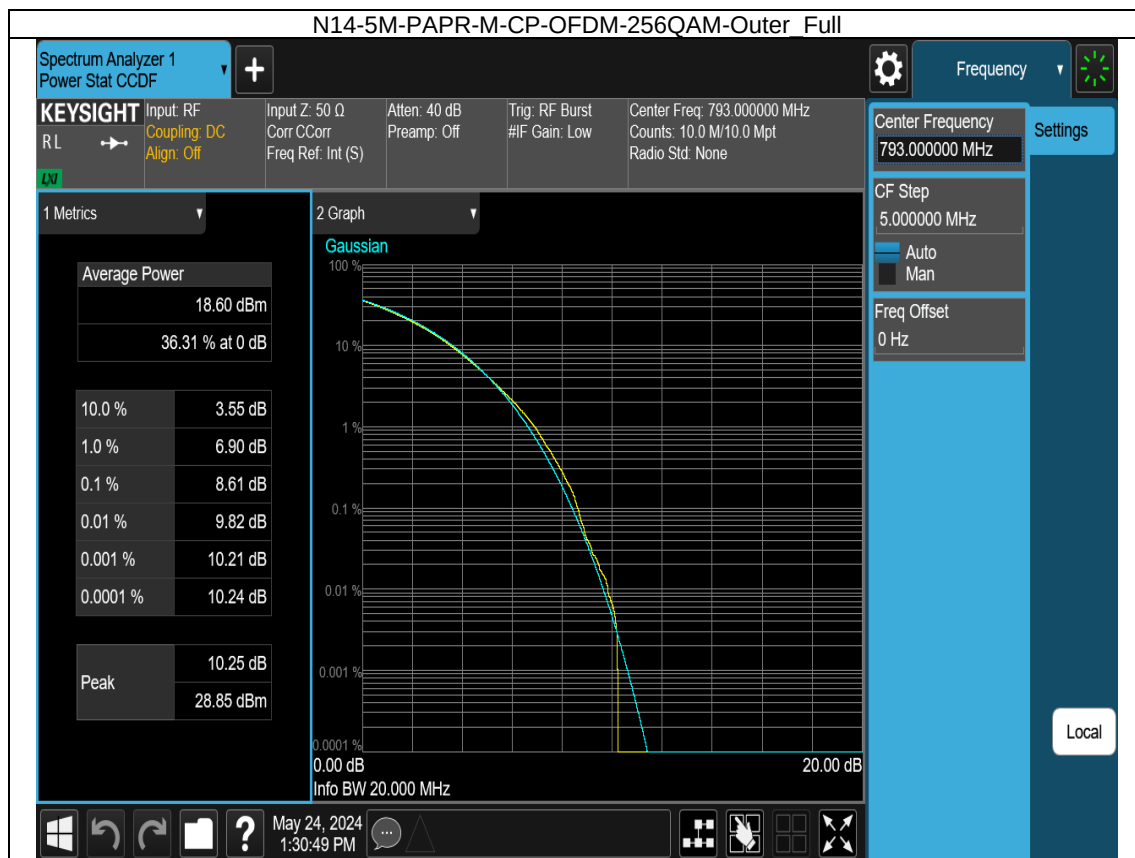


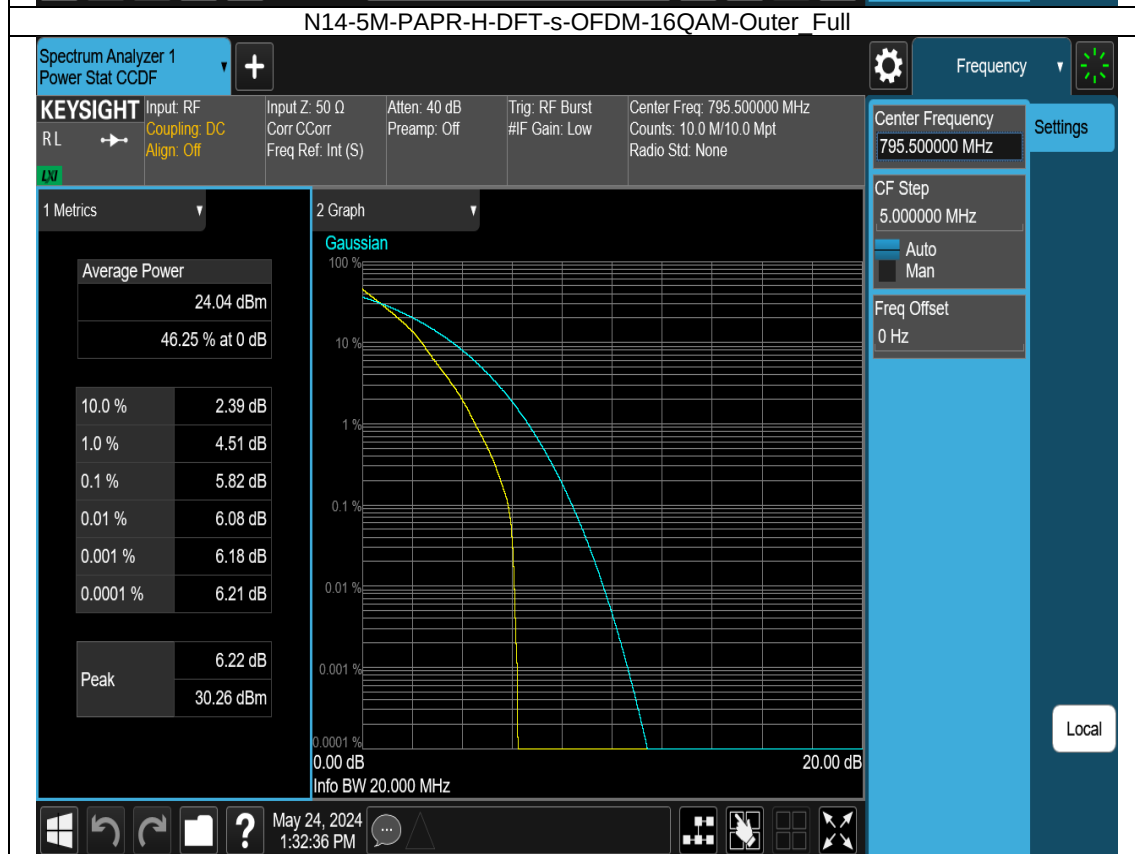
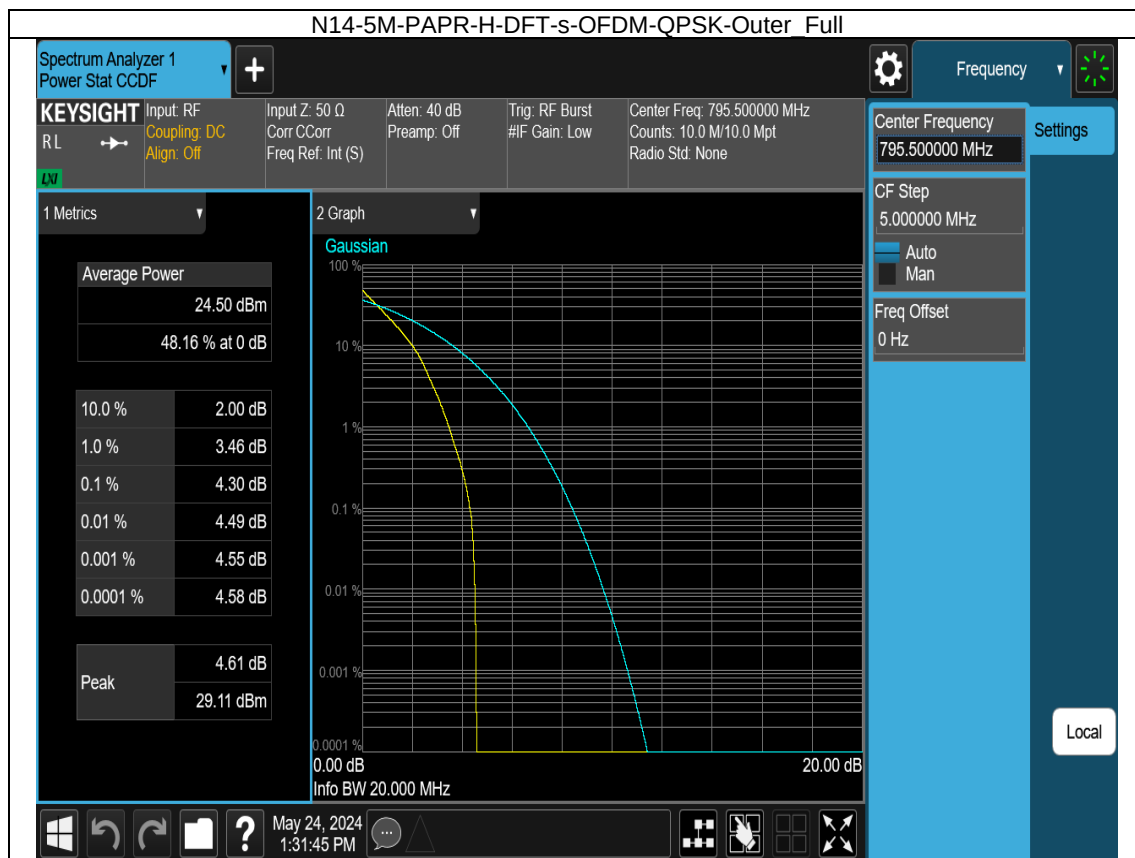




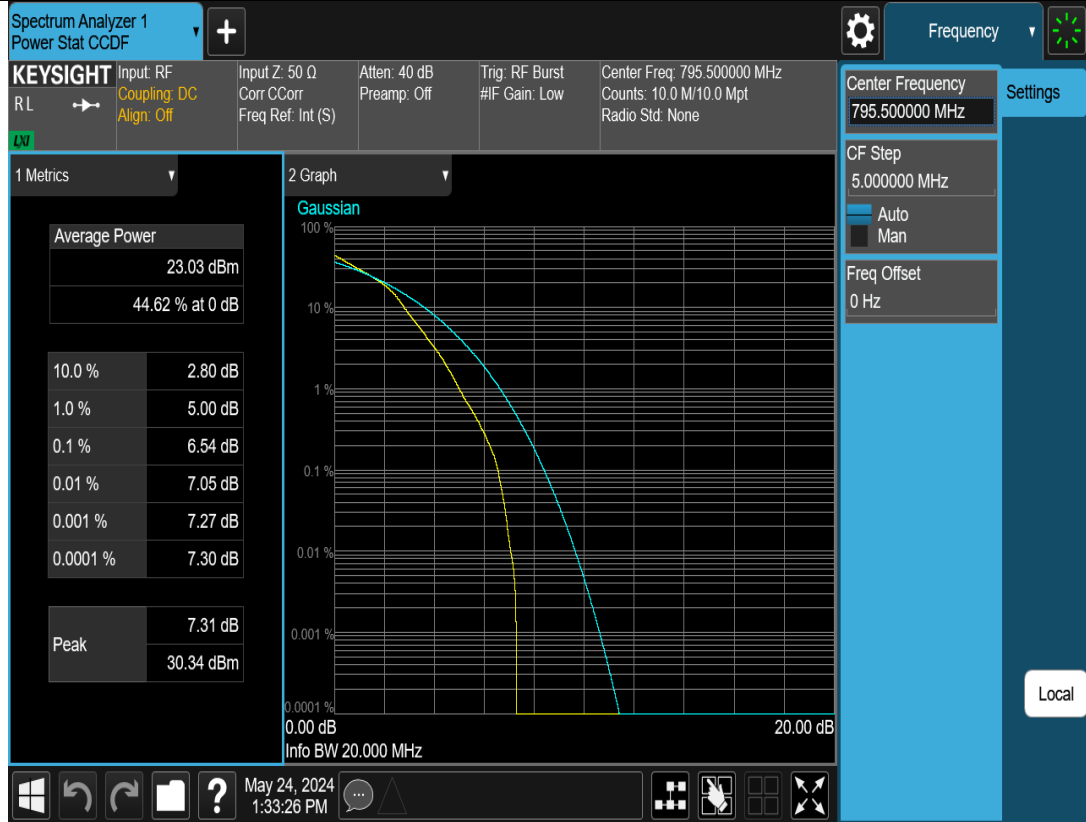




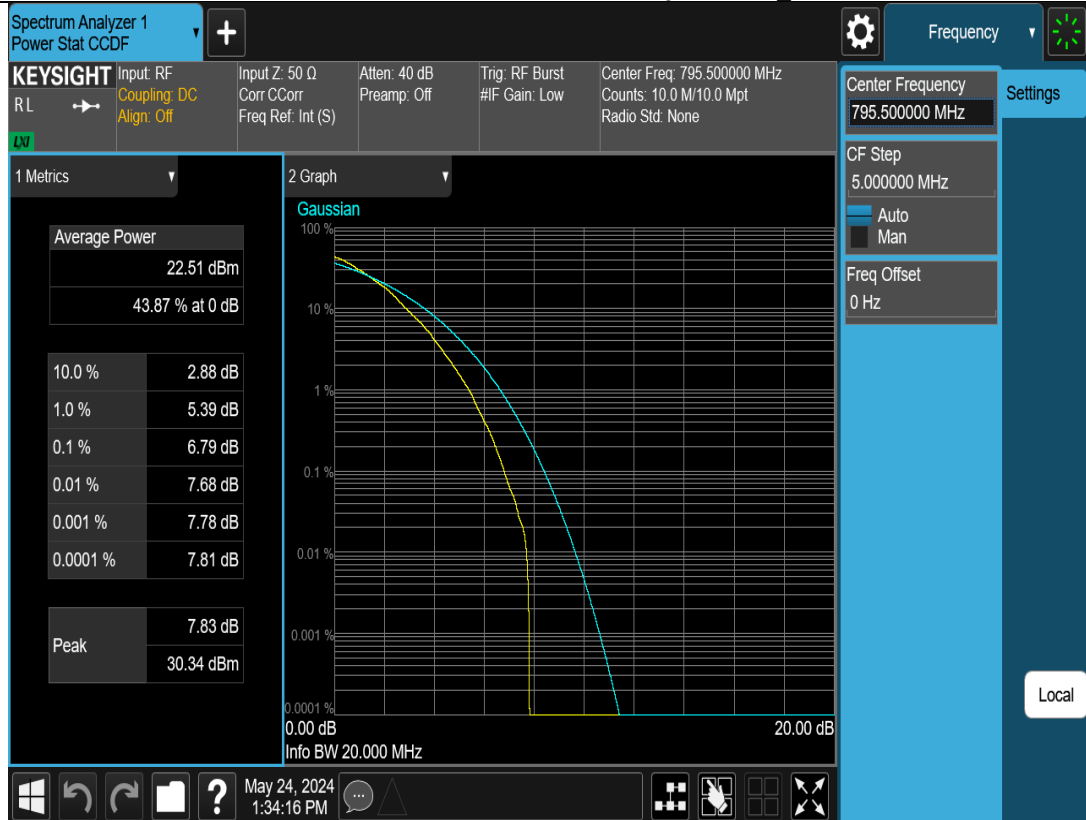




N14-5M-PAPR-H-DFT-s-OFDM-64QAM-Outer Full



N14-5M-PAPR-H-DFT-s-OFDM-256QAM-Outer Full



N14-5M-PAPR-H-CP-OFDM-QPSK-Outer Full



N14-5M-PAPR-H-CP-OFDM-16QAM-Outer Full

