

99% & 26dB Bandwidth

Test Result

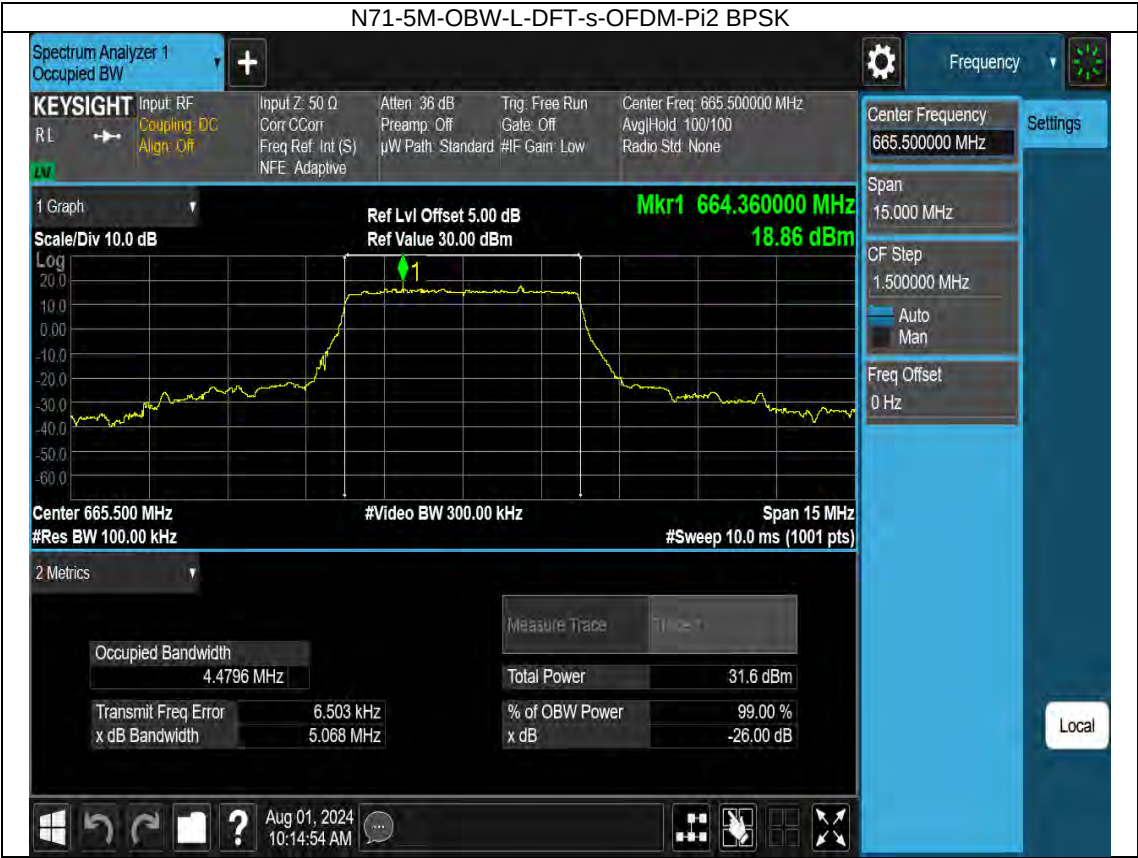
5G NR N71 SCS=15kHz 5MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.48	5.07	/	Pass
CP-OFDM QPSK		Outer_Full	4.49	5.22	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	4.49	5.06	/	Pass
CP-OFDM QPSK		Outer_Full	4.49	5.23	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.48	5.08	/	Pass
CP-OFDM QPSK		Outer_Full	4.51	5.31	/	Pass

5G NR N71 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	8.93	9.59	/	Pass
CP-OFDM QPSK		Outer_Full	9.3	10.09	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	8.93	9.56	/	Pass
CP-OFDM QPSK		Outer_Full	9.31	10.27	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	8.93	9.67	/	Pass
CP-OFDM QPSK		Outer_Full	9.29	10.14	/	Pass

5G NR N71 SCS=15kHz 15MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	13.45	14.5	/	Pass
CP-OFDM QPSK		Outer_Full	14.11	15.29	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	13.44	14.45	/	Pass
CP-OFDM QPSK		Outer_Full	14.11	15.14	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	13.44	14.53	/	Pass
CP-OFDM QPSK		Outer_Full	14.1	15.18	/	Pass

5G NR N71 SCS=15kHz 20MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	17.88	19.07	/	Pass
CP-OFDM QPSK		Outer_Full	18.91	20.1	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	17.92	19.14	/	Pass
CP-OFDM QPSK		Outer_Full	18.9	20.19	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	17.94	19.13	/	Pass
CP-OFDM QPSK		Outer_Full	18.96	20.07	/	Pass

Test Graph

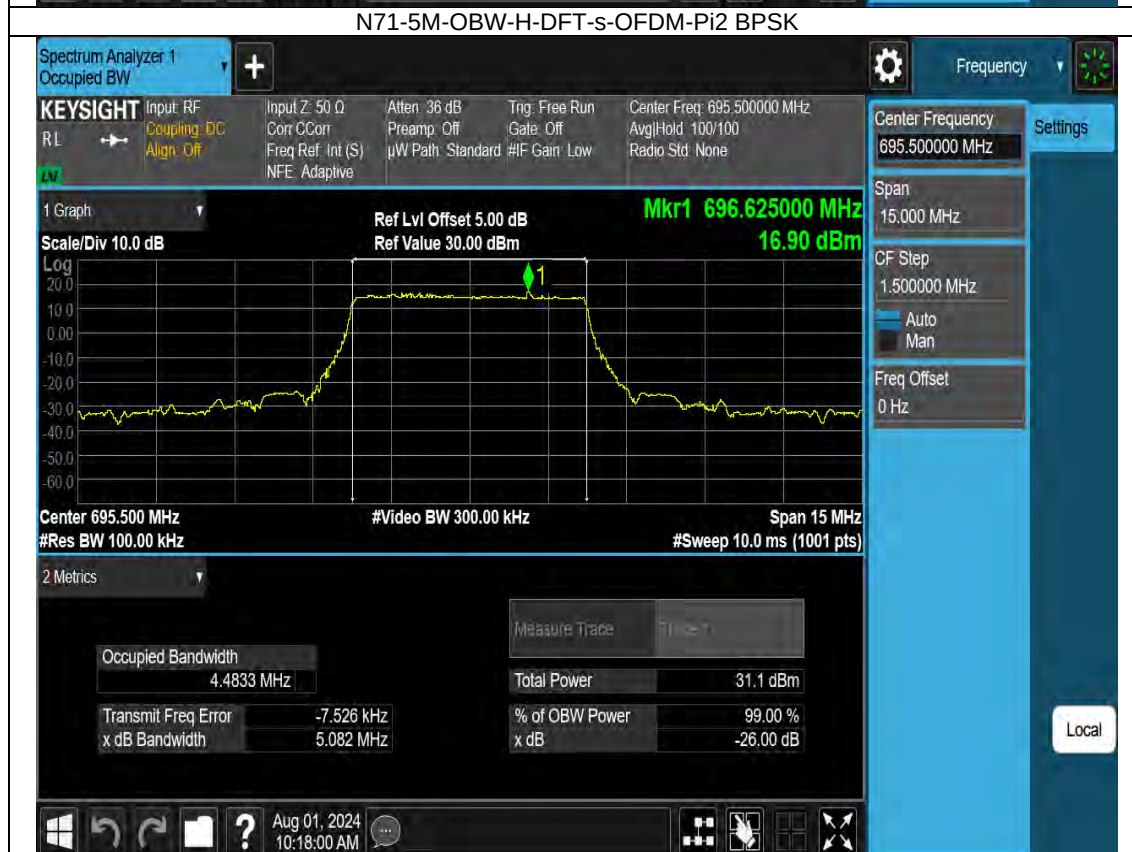
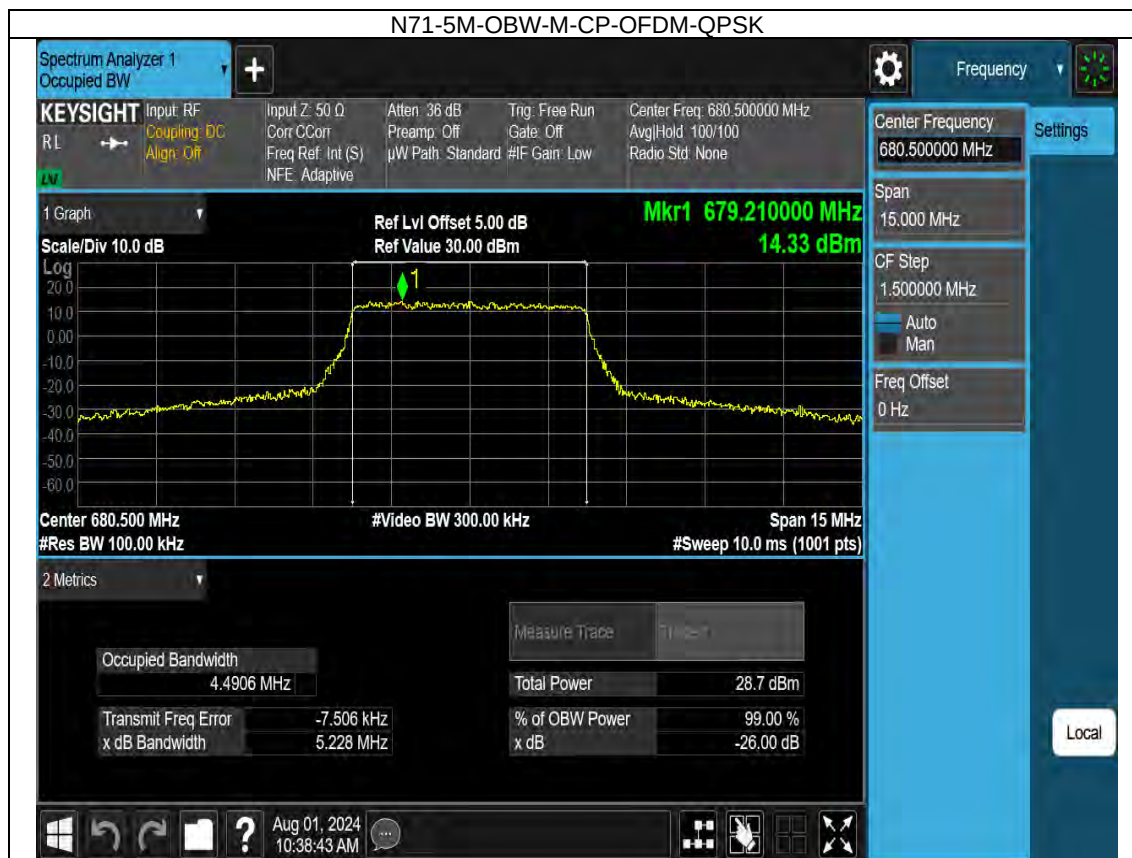


N71-5M-OBW-L-CP-OFDM-QPSK



N71-5M-OBW-M-DFT-s-OFDM-Pi2 BPSK





N71-5M-OBW-H-CP-OFDM-QPSK



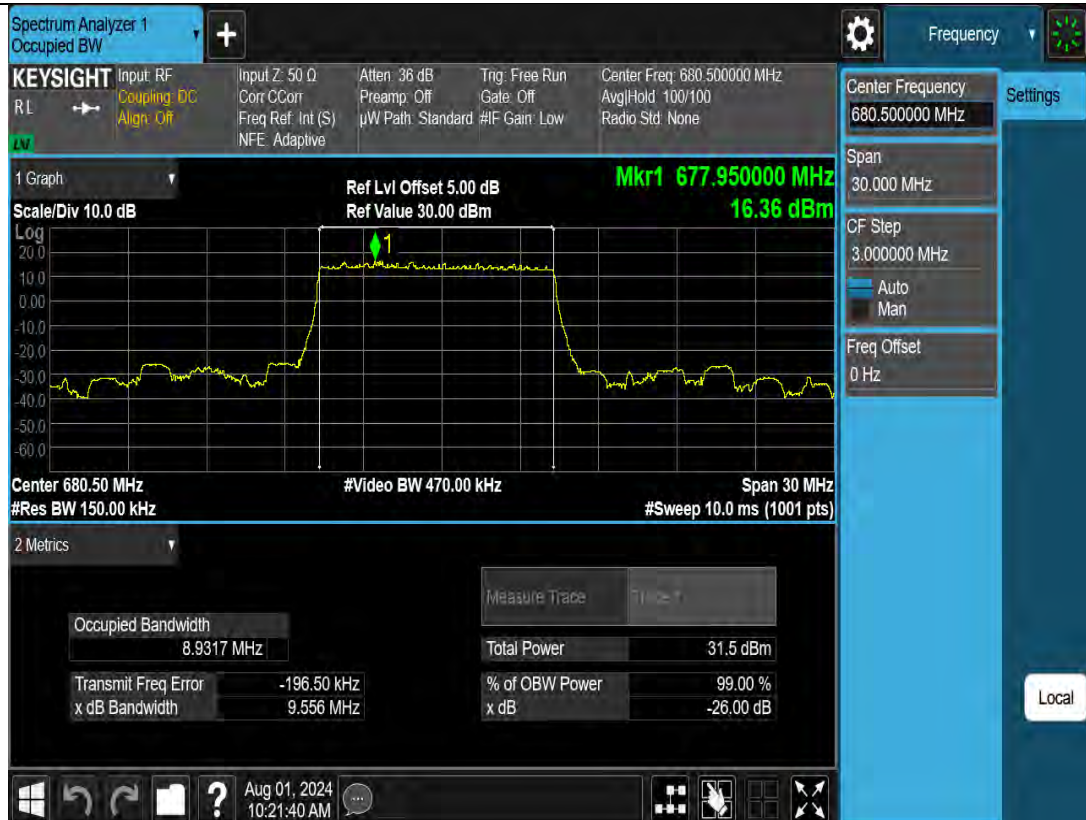
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N71-10M-OBW-L-CP-OFDM-QPSK



N71-10M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N71-10M-OBW-M-CP-OFDM-QPSK



N71-10M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N71-10M-OBW-H-CP-OFDM-QPSK



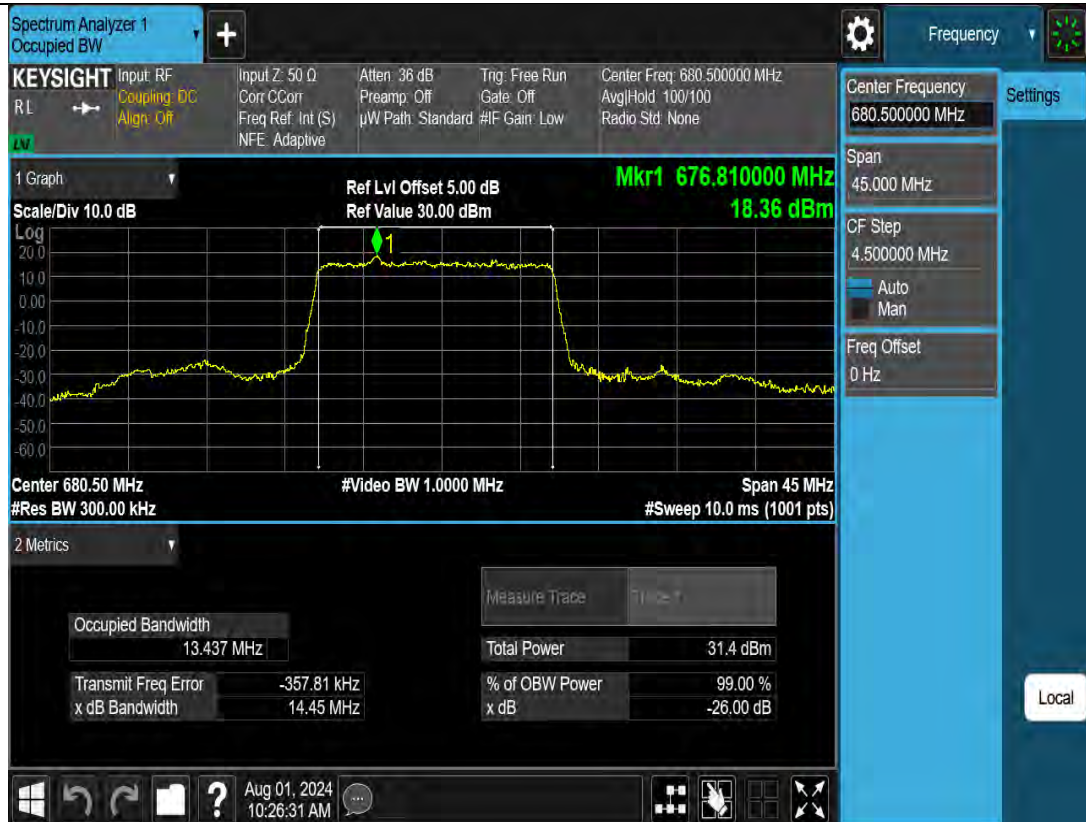
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N71-15M-OBW-L-CP-OFDM-QPSK



N71-15M-OBW-M-DFT-s-OFDM-Pi2 BPSK



N71-15M-OBW-M-CP-OFDM-QPSK



N71-15M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N71-15M-OBW-H-CP-OFDM-QPSK



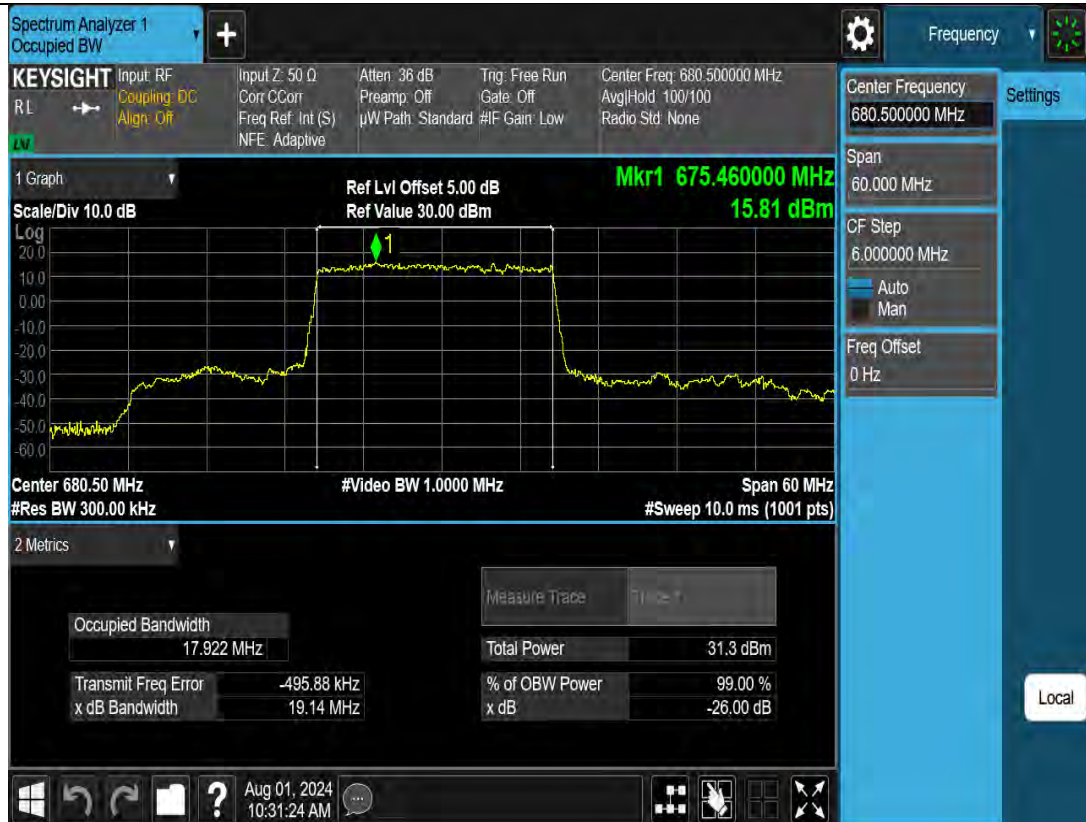
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N71-20M-OBW-L-CP-OFDM-QPSK



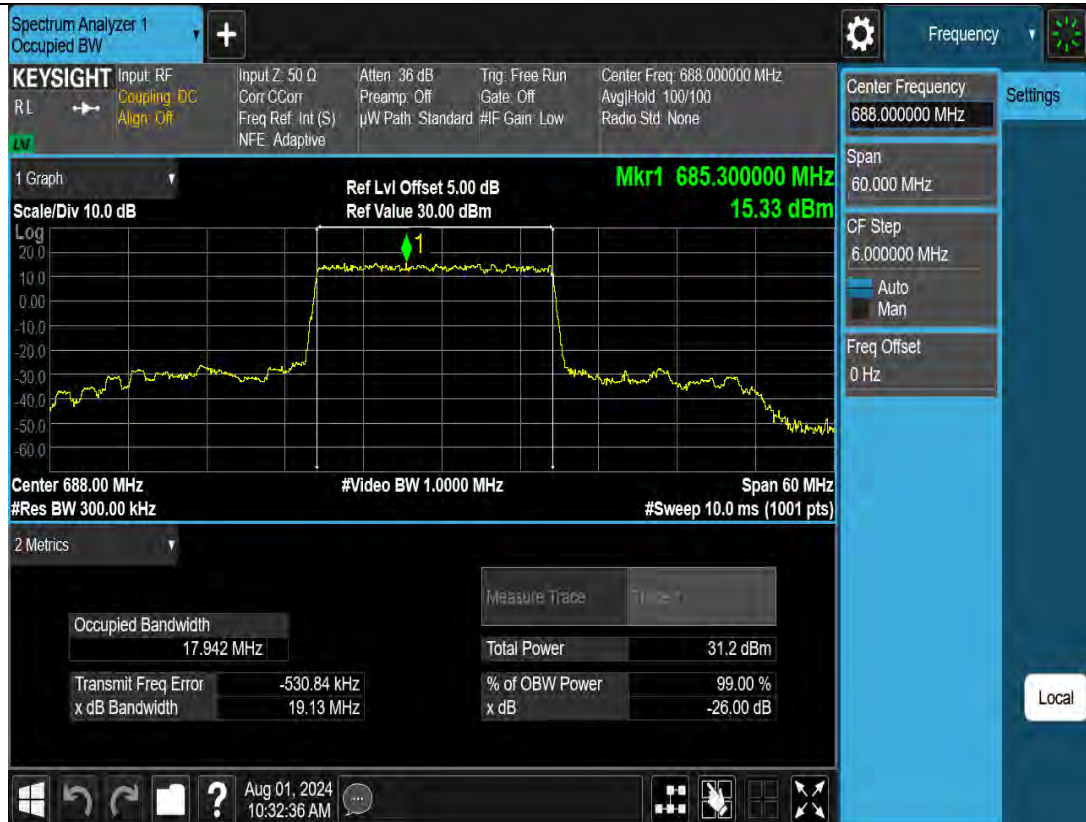
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N71-20M-OBW-M-CP-OFDM-QPSK



N71-20M-OBW-H-DFT-s-OFDM-Pi2 BPSK



N71-20M-OBW-H-CP-OFDM-QPSK



Peak-Average Ratio

Test Result

5G NR N71 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.79	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.74	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.4	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.1	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.4	<=13	Pass
CP-OFDM QPSK		Outer_Full	7	<=13	Pass

5G NR N71 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.39	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.2	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.6	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.19	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.1	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.22	<=13	Pass

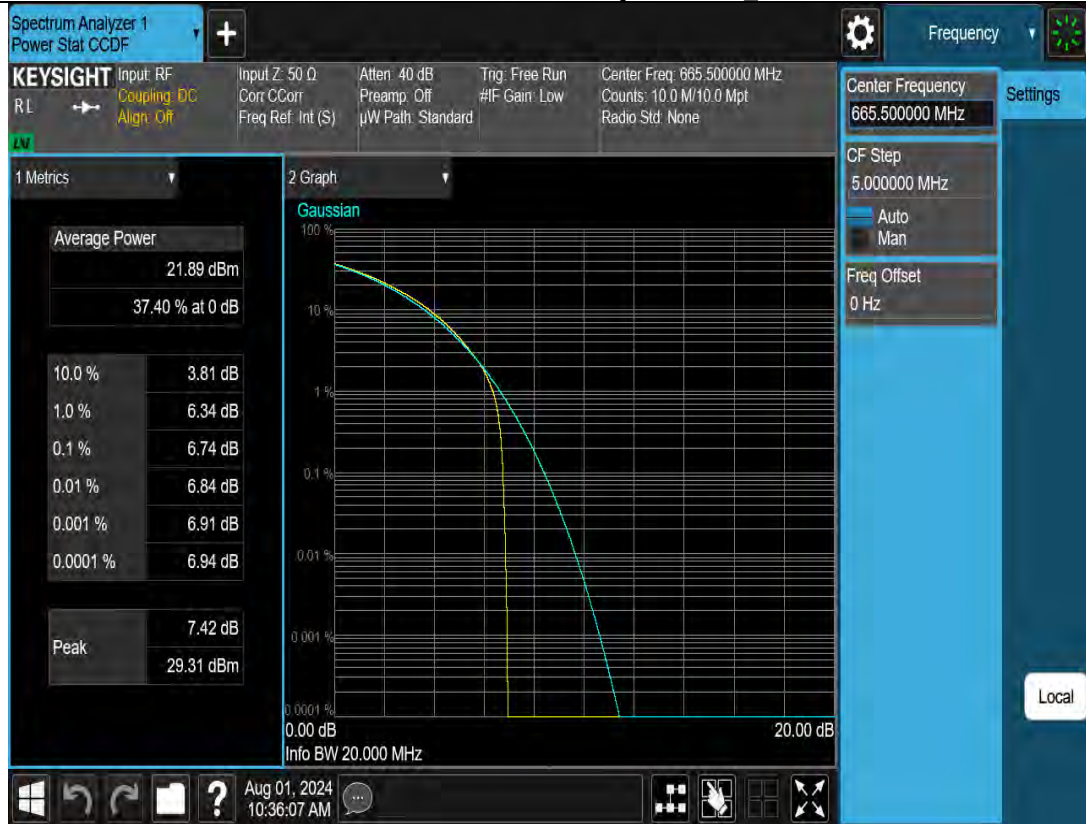
5G NR N71 SCS=15kHz 15MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.3	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.33	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.43	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.99	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.18	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.16	<=13	Pass

5G NR N71 SCS=15kHz 20MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	4.4	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.43	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.3	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.07	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.31	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.34	<=13	Pass

Test Graph



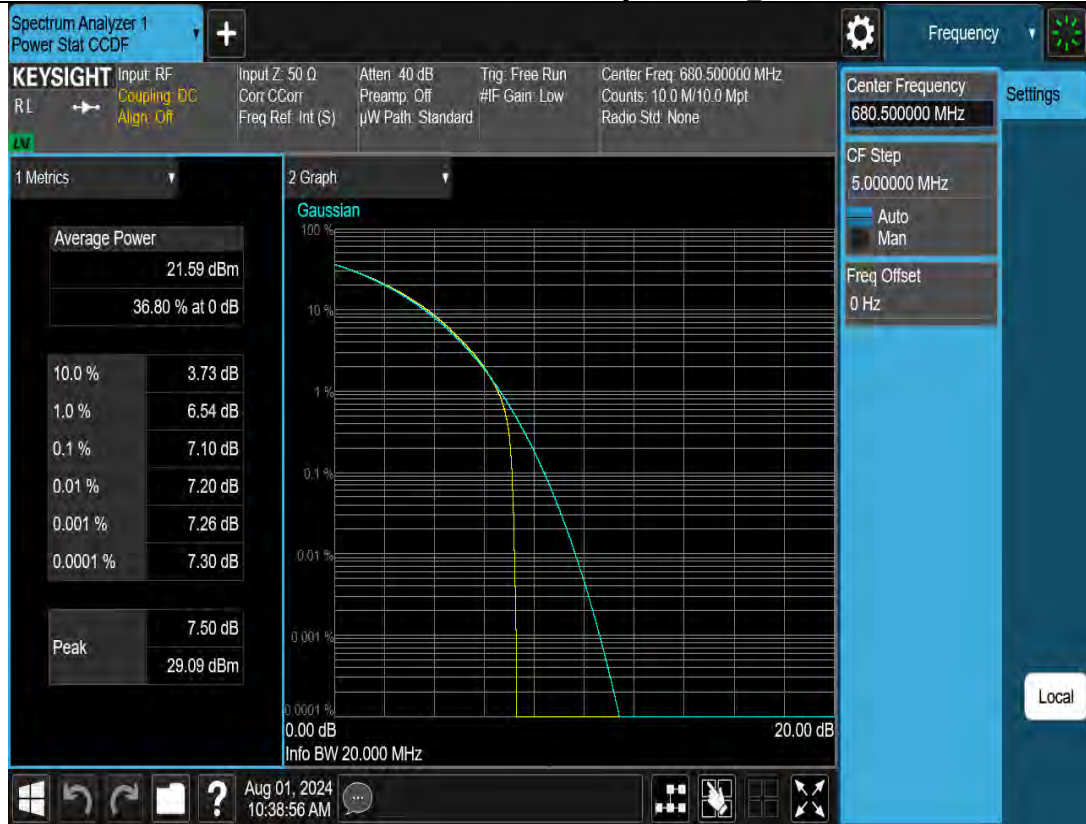
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N71-5M-PAPR-M-DFT-s-OFDM-Pi2 BPSK-Outer Full



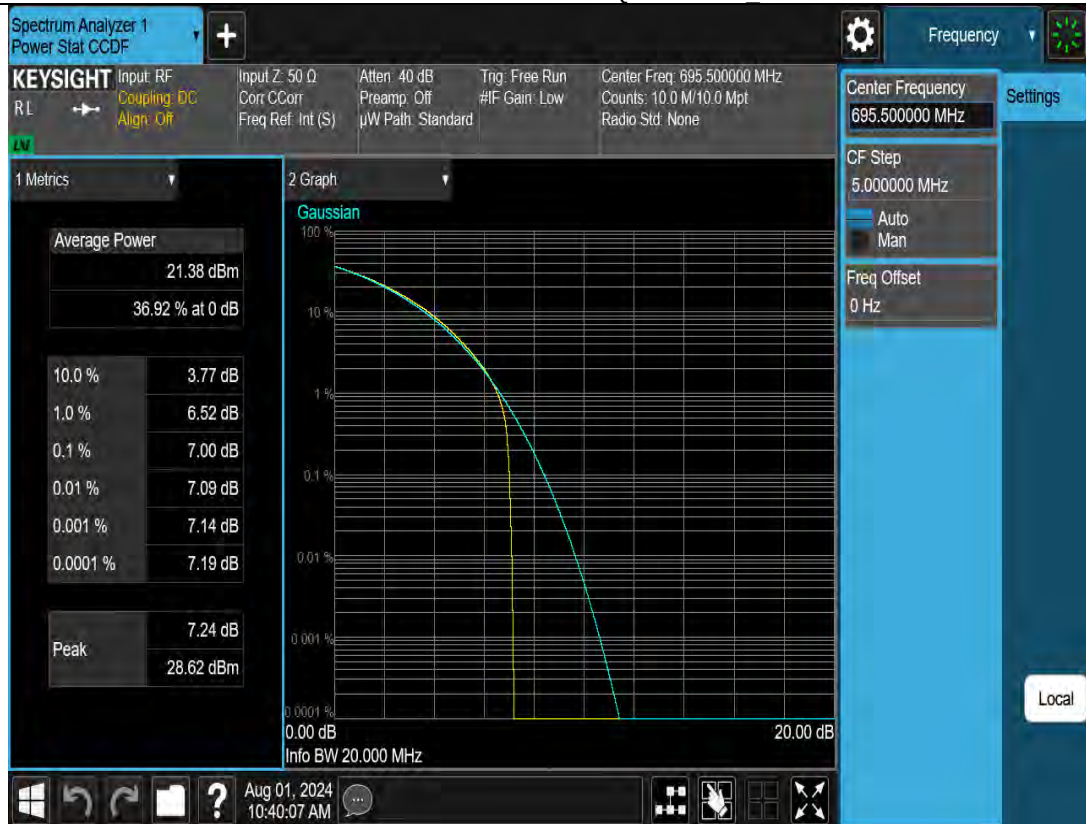
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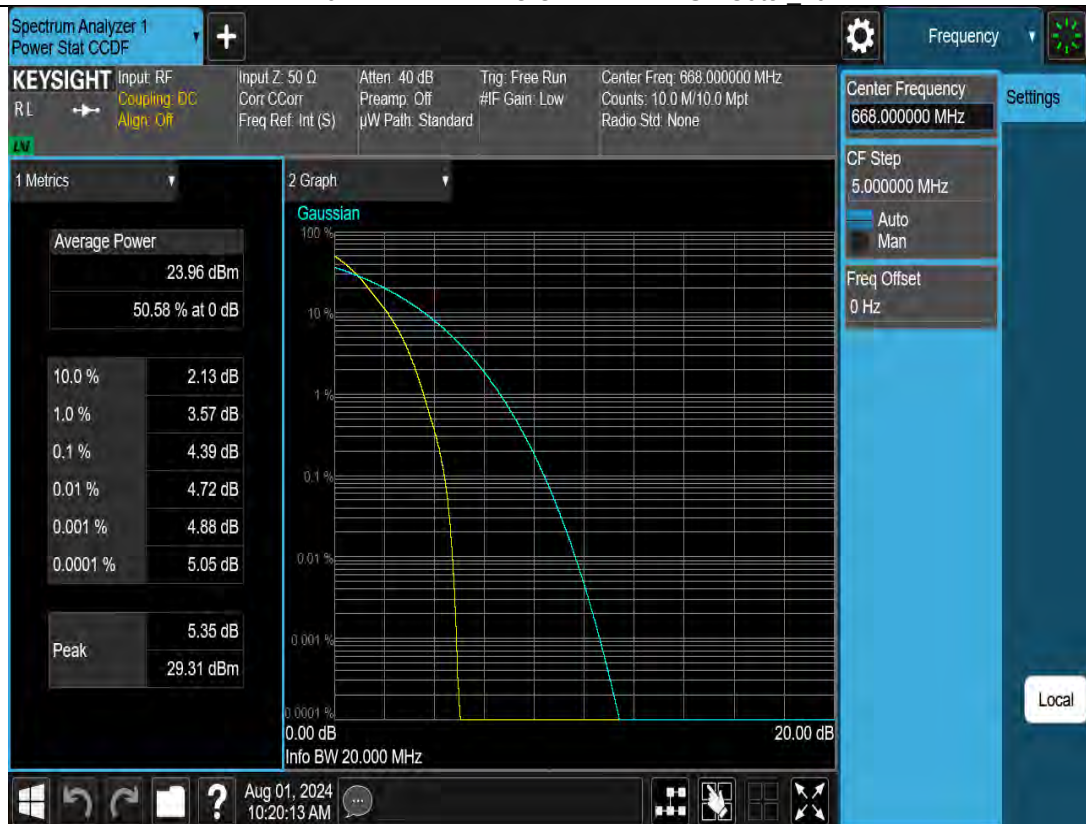
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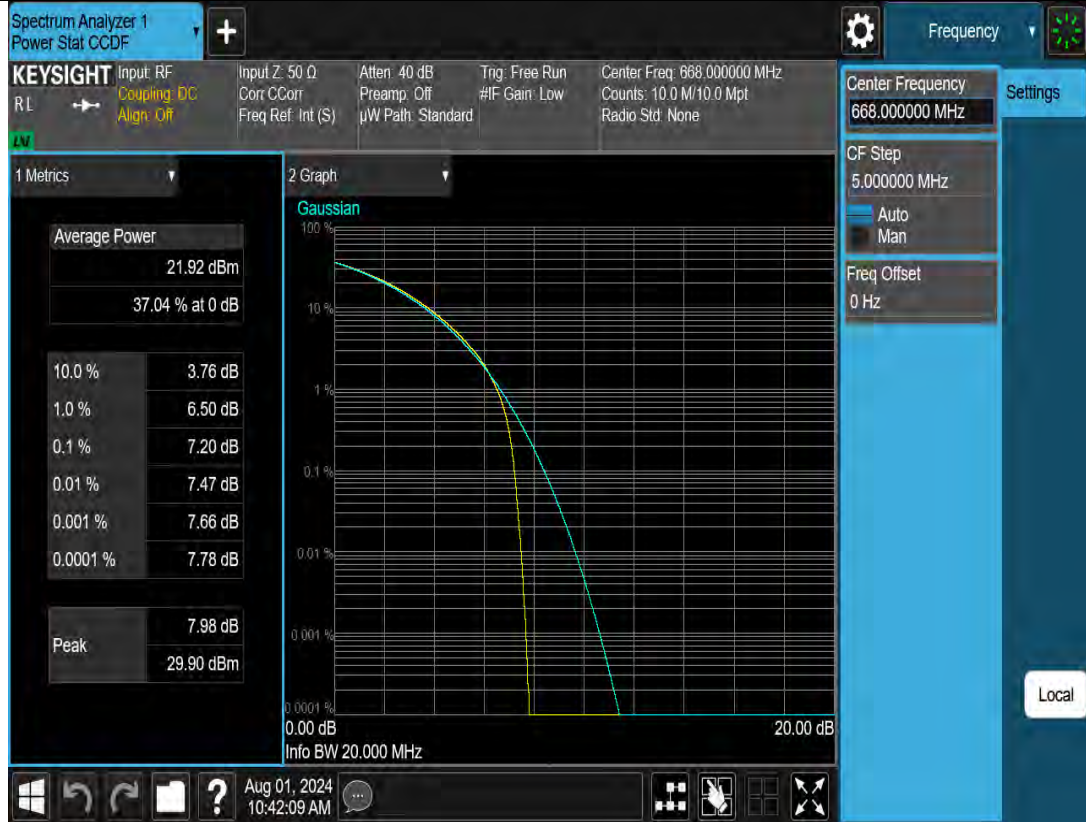
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N71-10M-PAPR-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



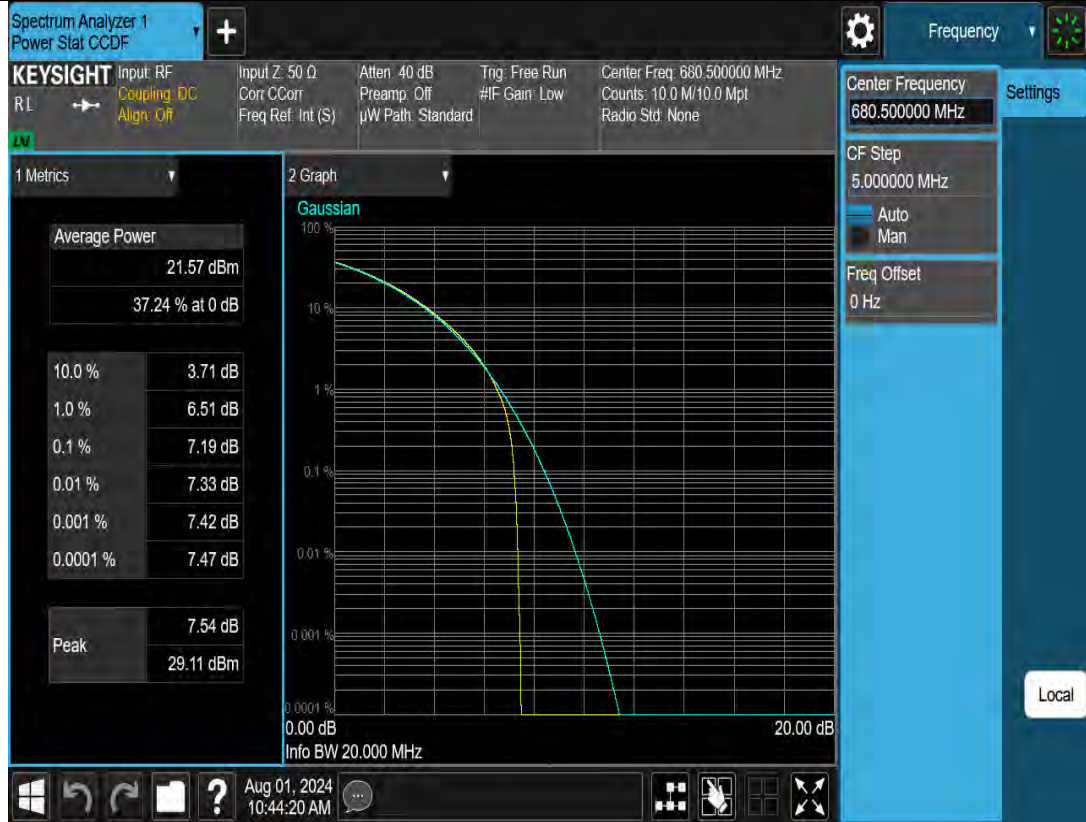
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N71-10M-PAPR-M-CP-OFDM-QPSK-Outer Full



N71-10M-PAPR-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N71-10M-PAPR-H-CP-OFDM-QPSK-Outer Full



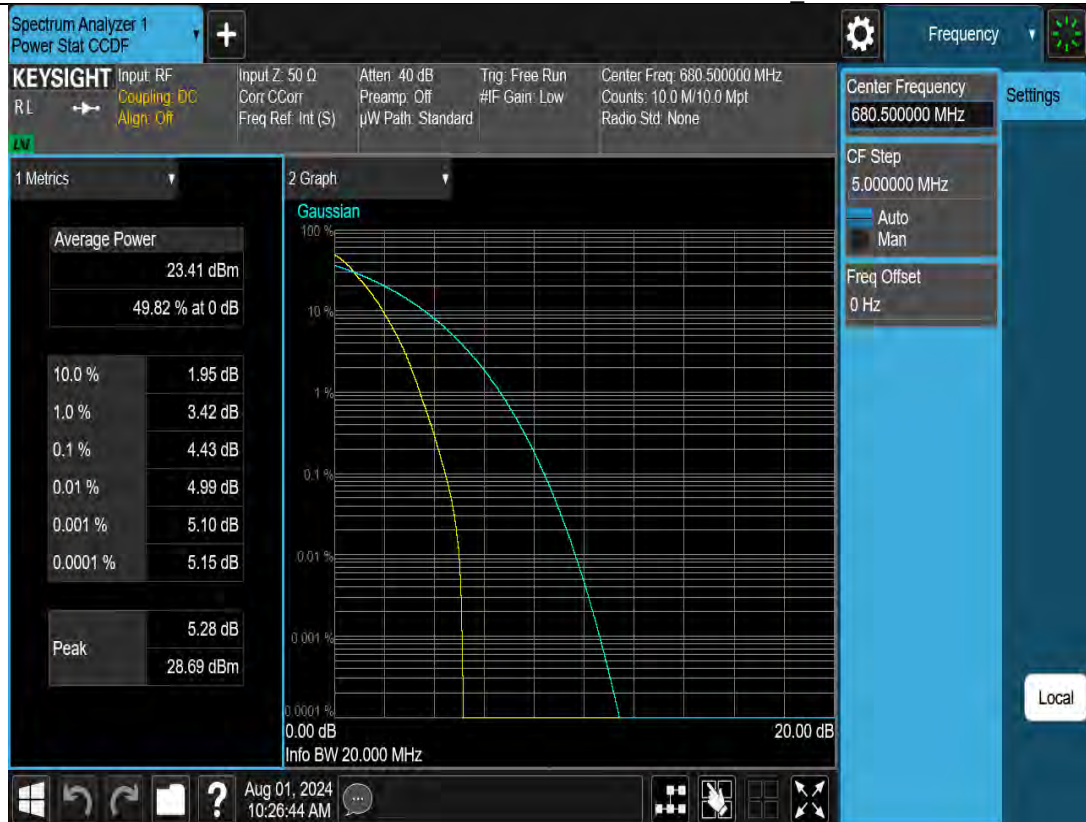
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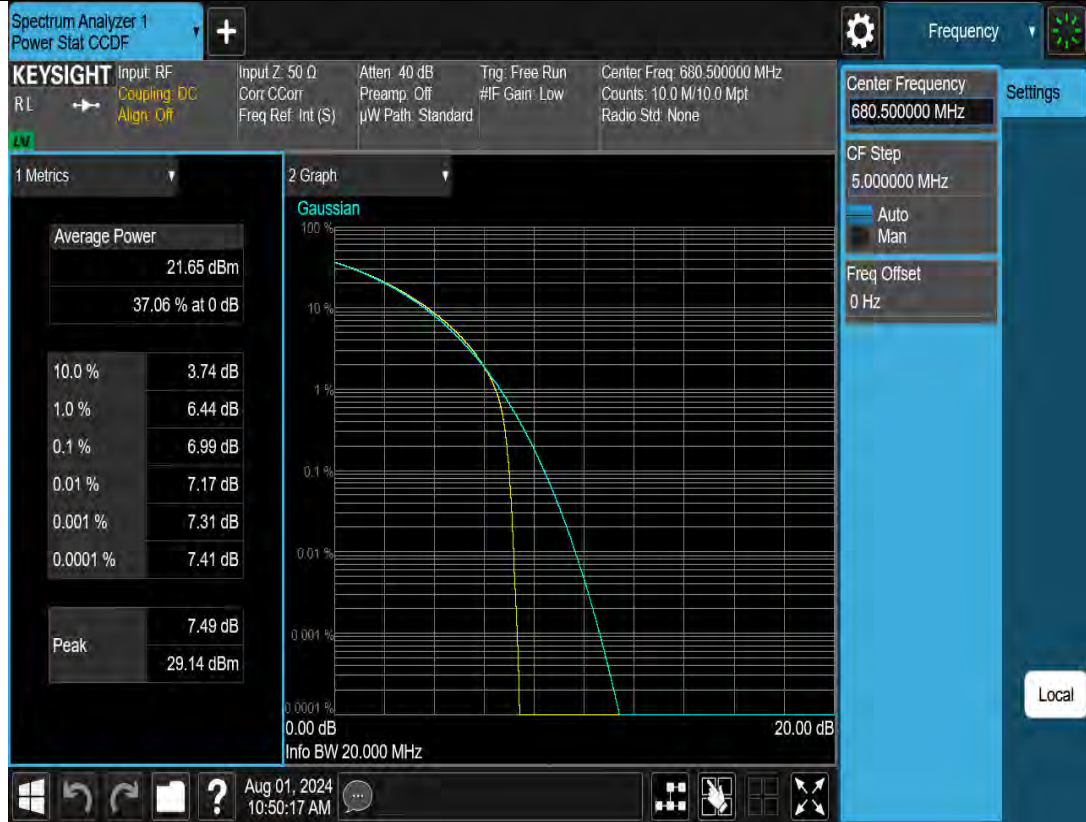
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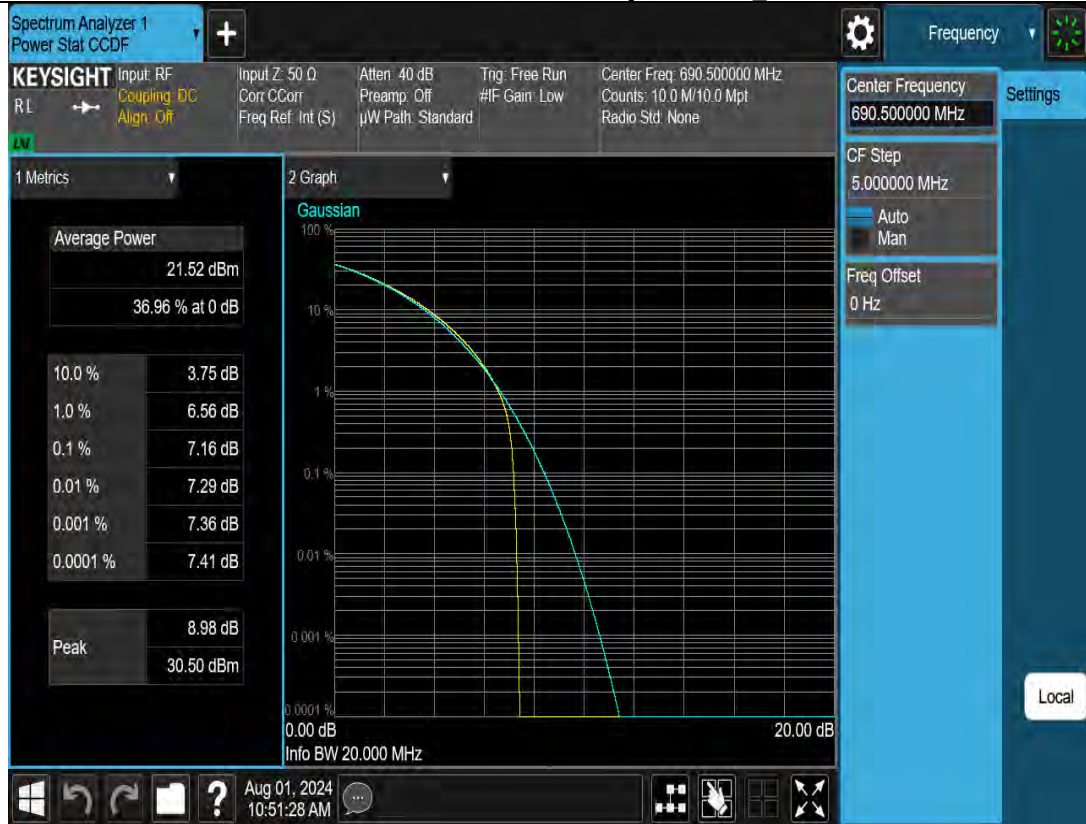
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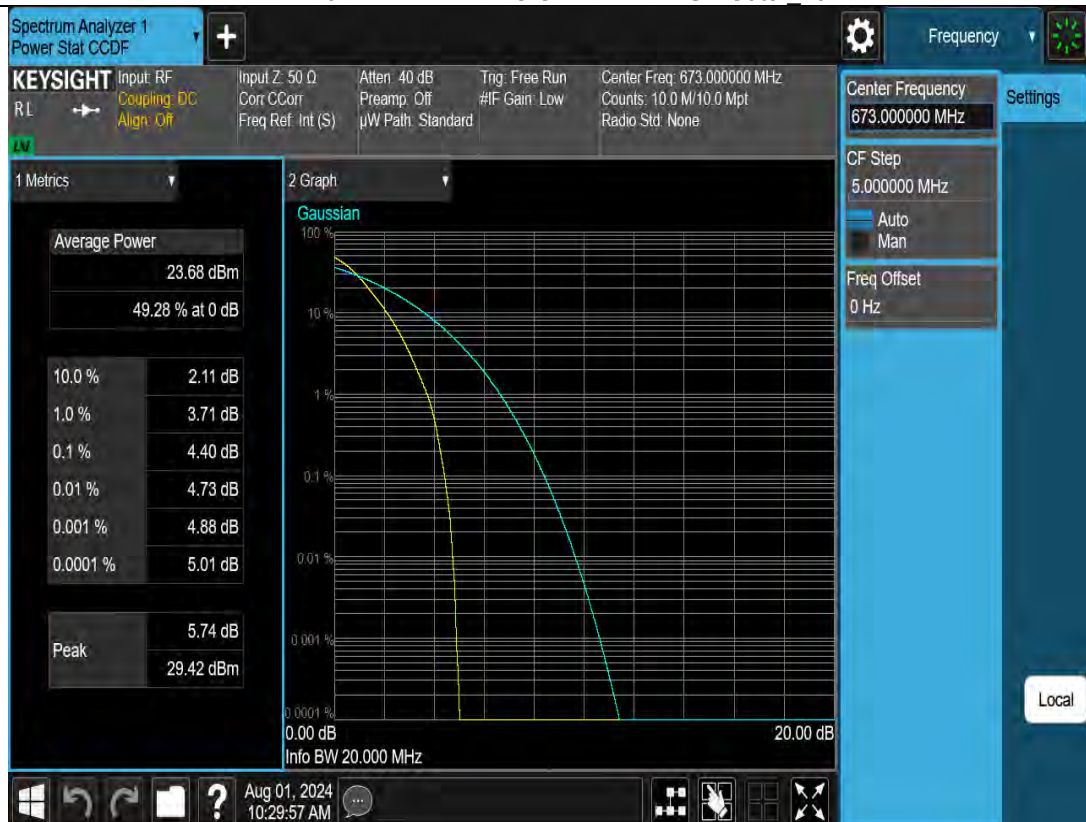
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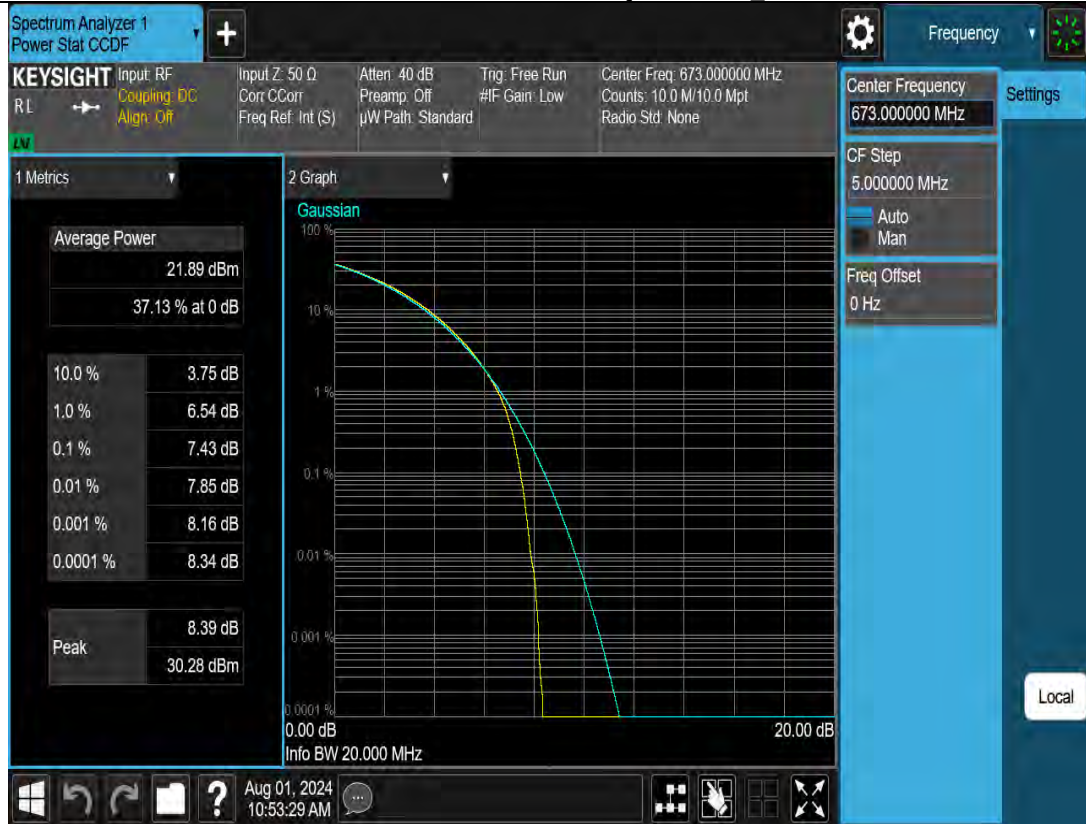
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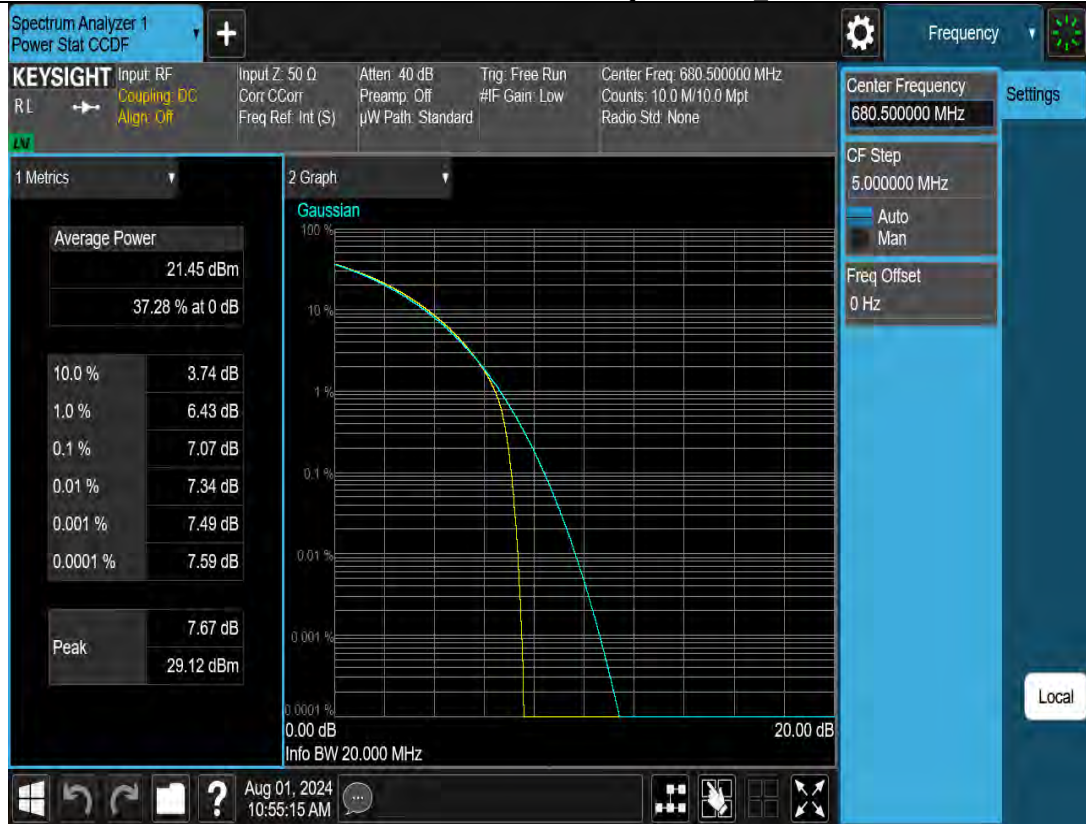
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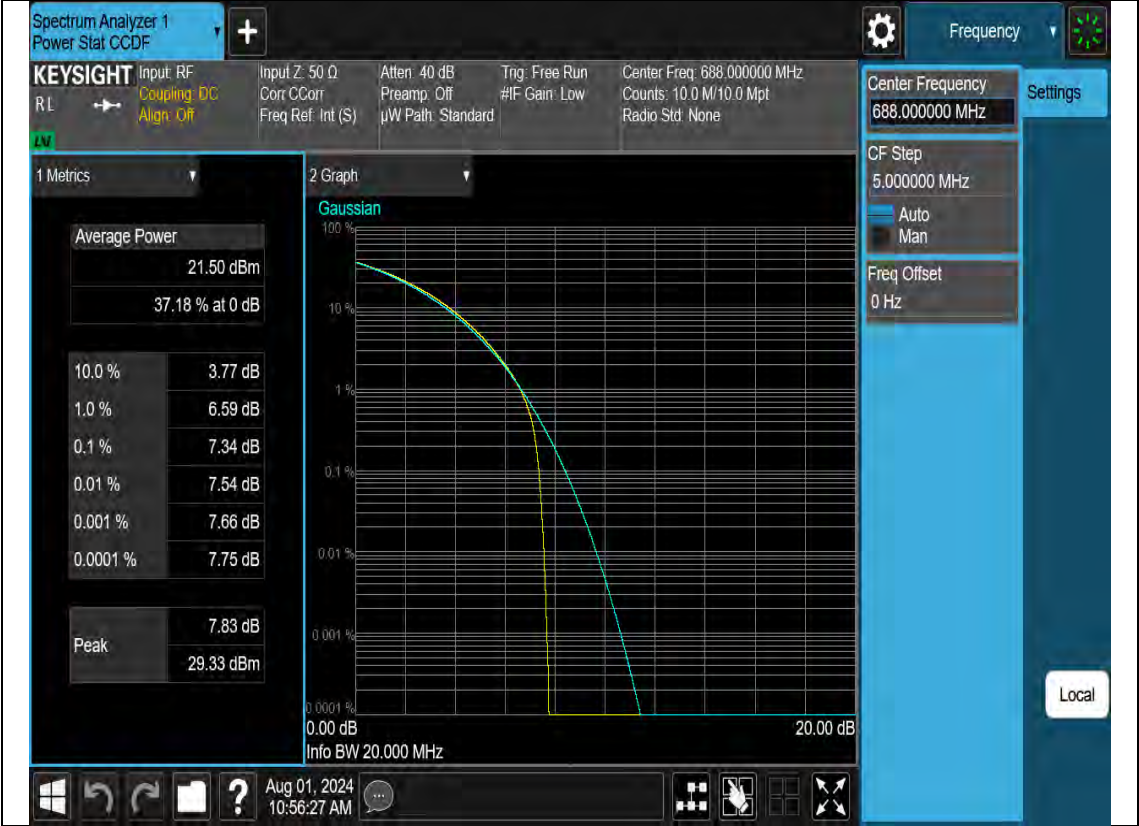
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N71-20M-PAPR-H-CP-OFDM-QPSK-Outer Full

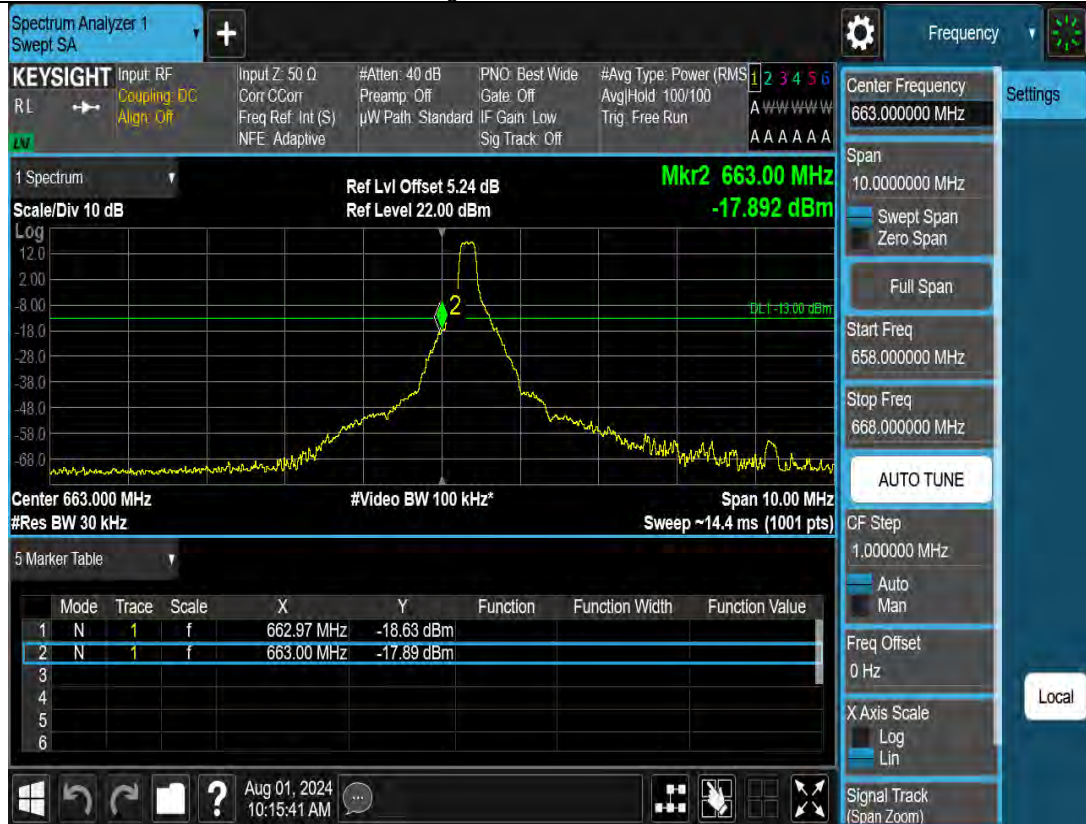


Bandedge

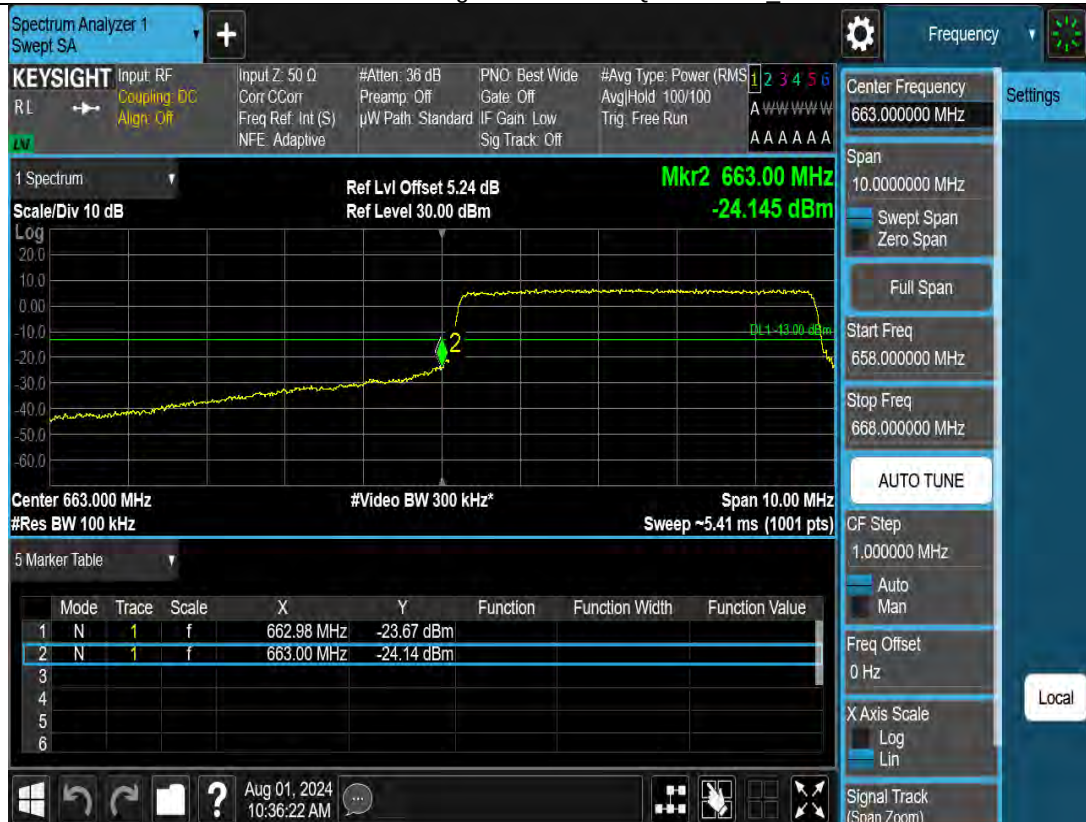
test graph



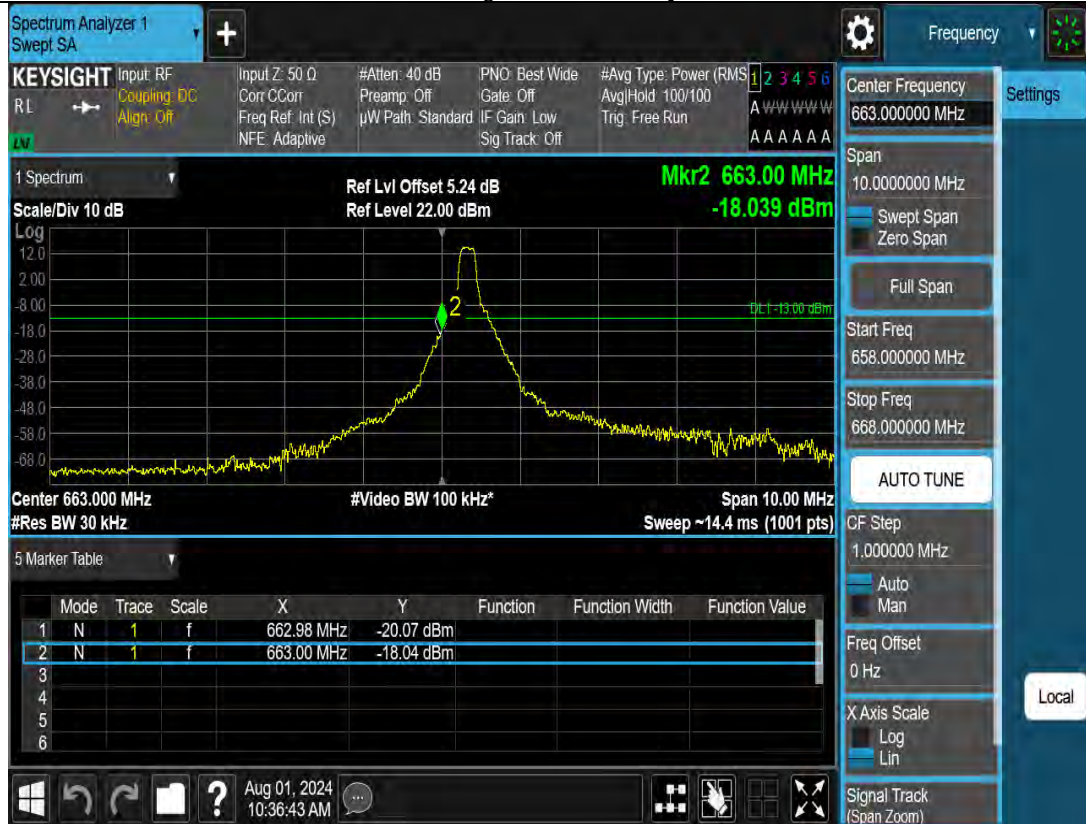
N71-5M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



N71-5M-Bandedge-L-CP-OFDM-QPSK-Outer Full



N71-5M-Bandedge-L-CP-OFDM-QPSK-1RB0



N71-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



N71-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



N71-5M-Bandedge-H-CP-OFDM-QPSK-Outer Full



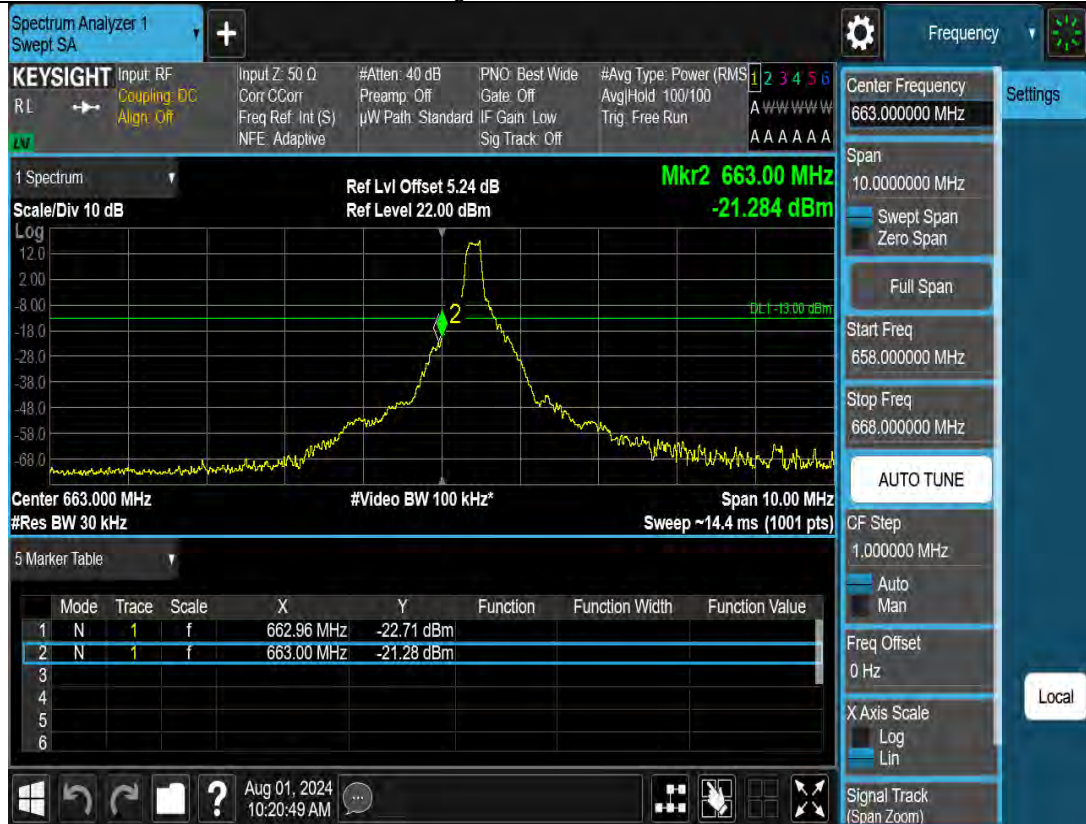
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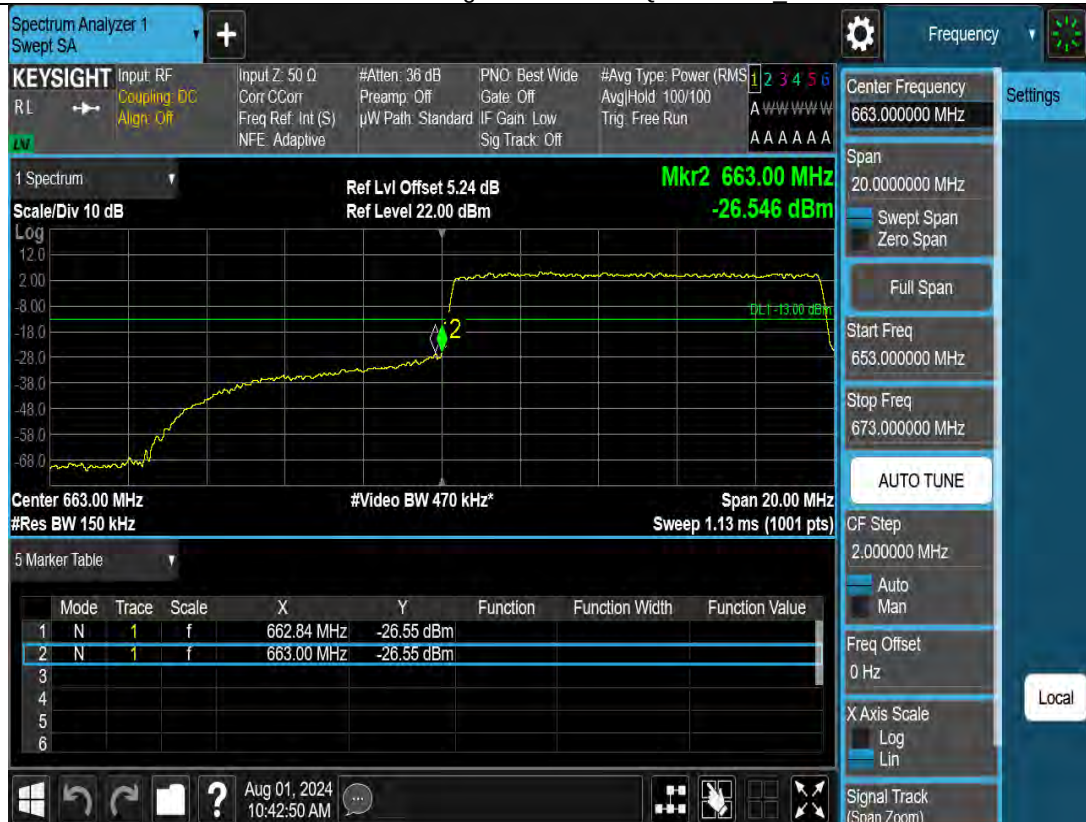
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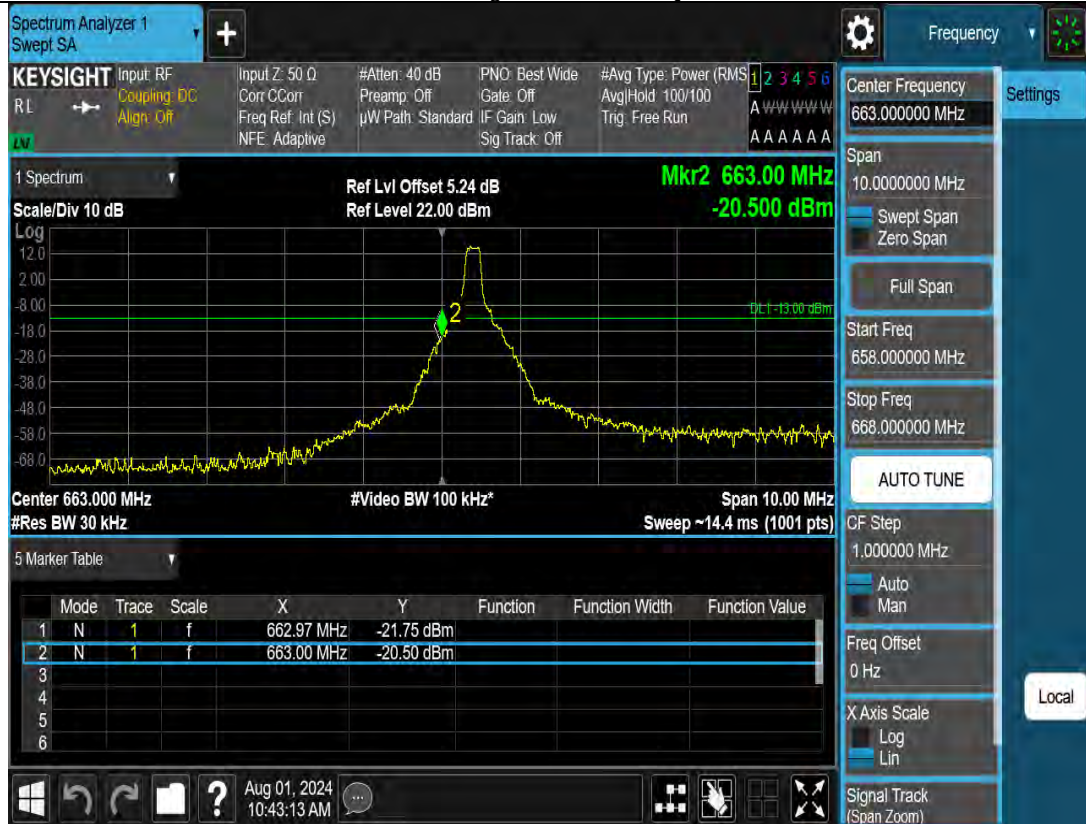
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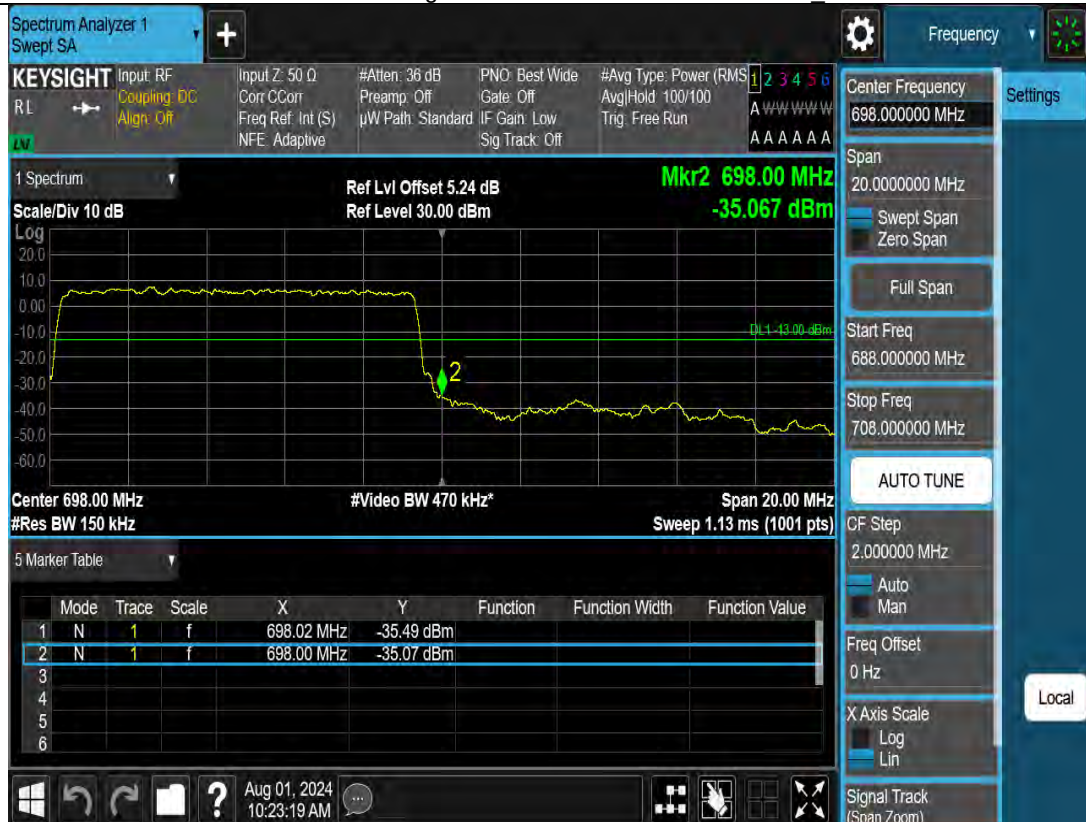
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N71-10M-Bandedge-L-CP-OFDM-QPSK-1RB0



N71-10M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer Full



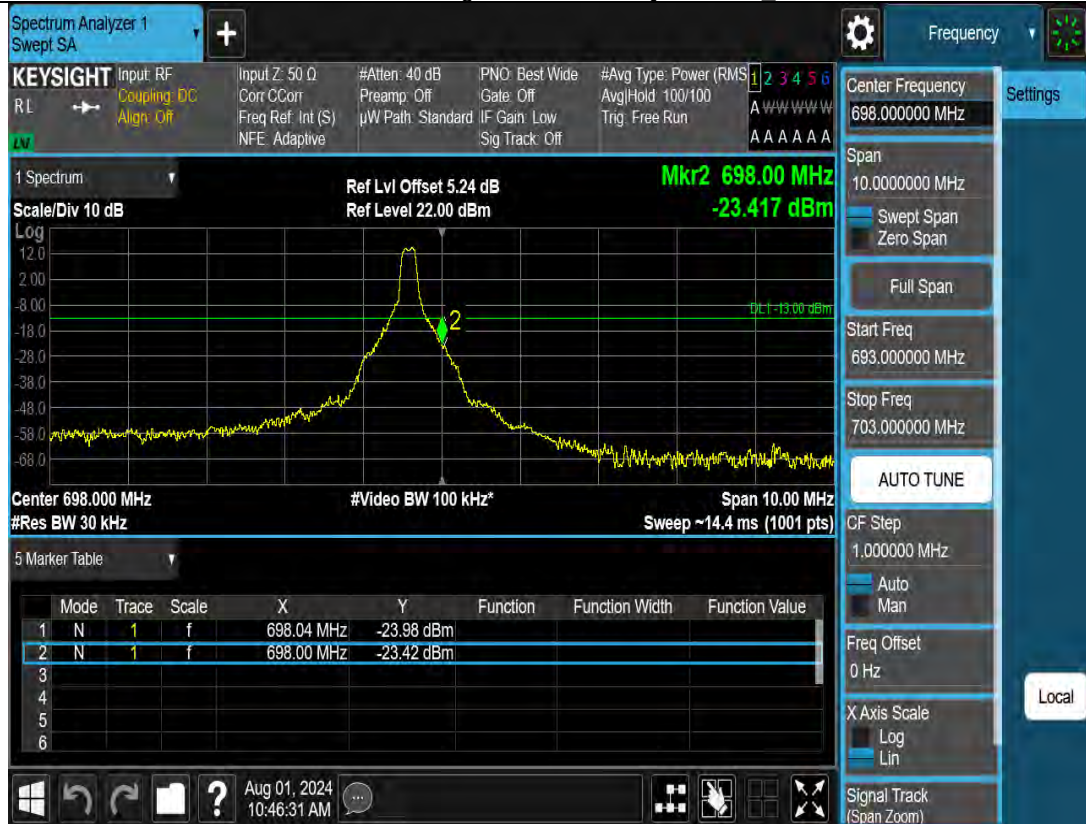
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N71-10M-Bandedge-H-CP-OFDM-QPSK-Outer Full



N71-10M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



N71-15M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



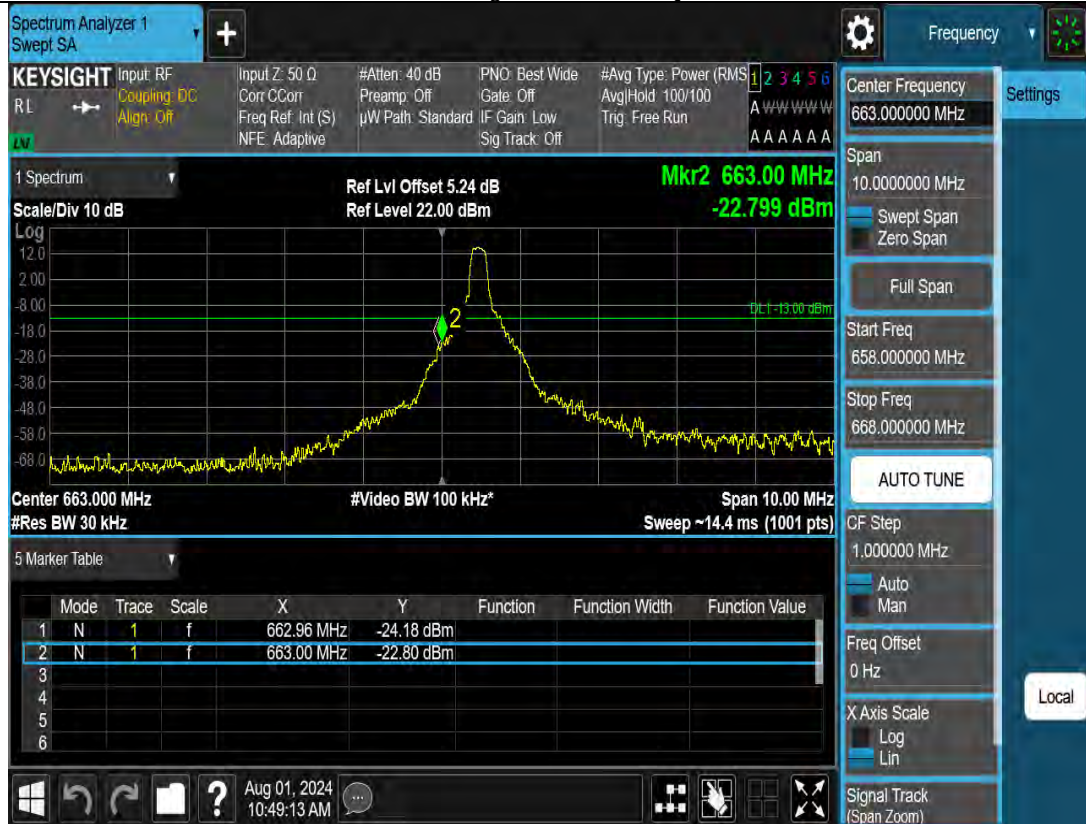
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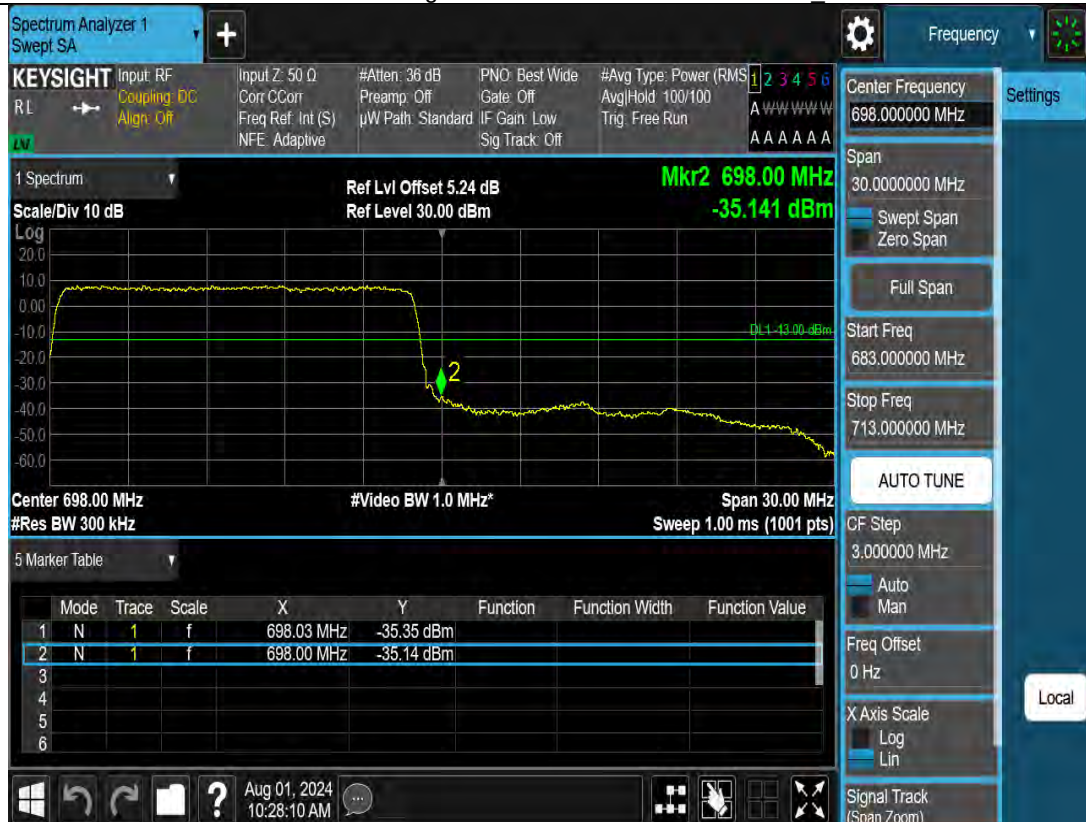
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N71-15M-Bandedge-L-CP-OFDM-QPSK-1RB0



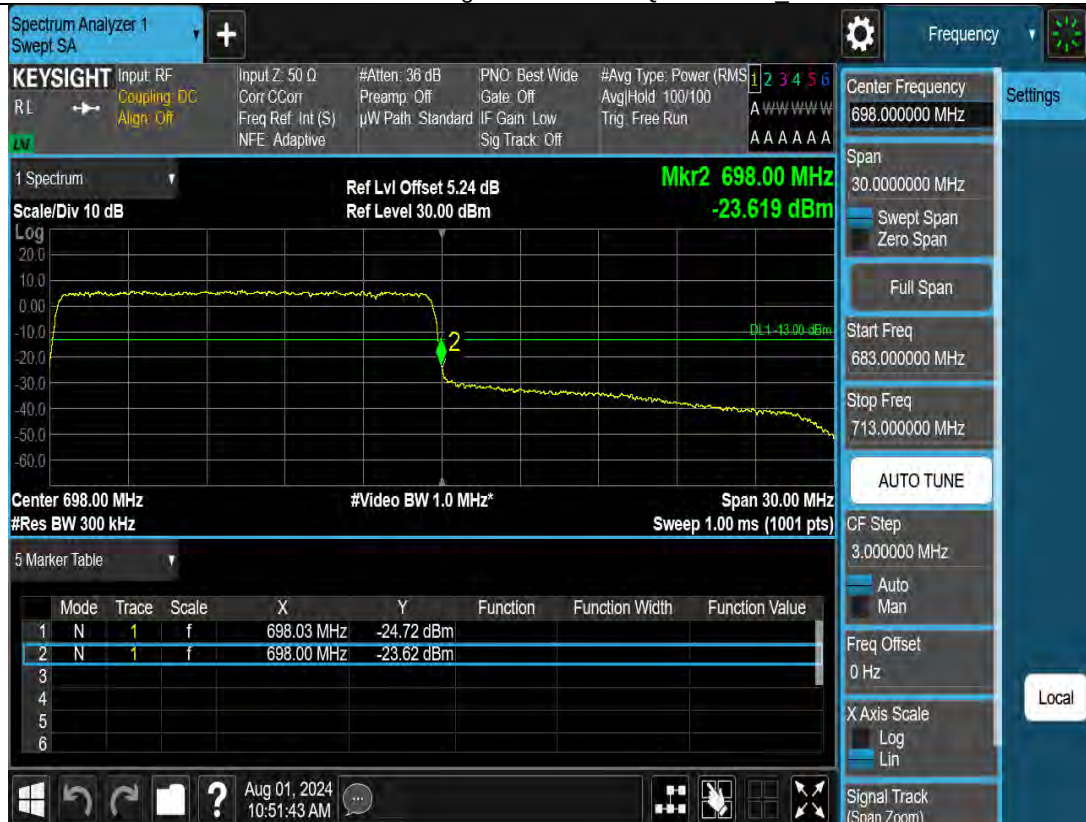
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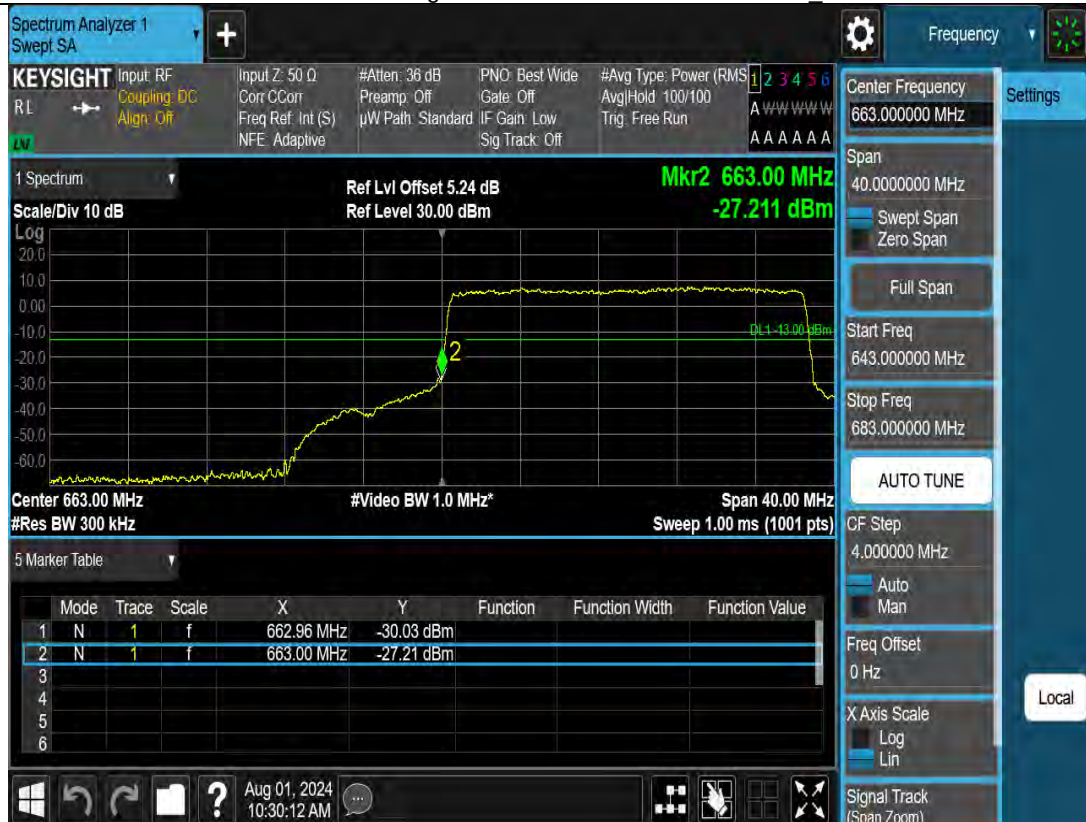
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N71-15M-Bandedge-H-CP-OFDM-QPSK-1RB MAX



N71-20M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-Outer Full



N71-20M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



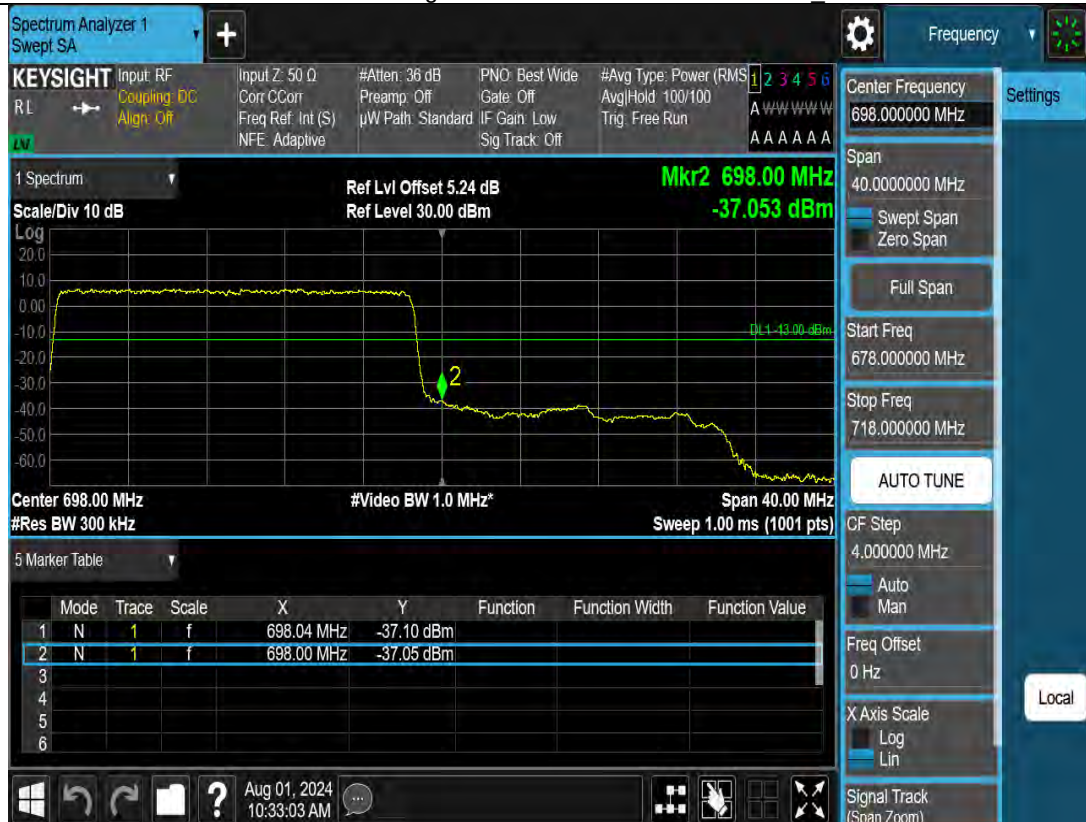
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N71-20M-Bandedge-L-CP-OFDM-QPSK-1RB0



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N71-20M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB MAX



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N71-20M-Bandedge-H-CP-OFDM-QPSK-1RB MAX

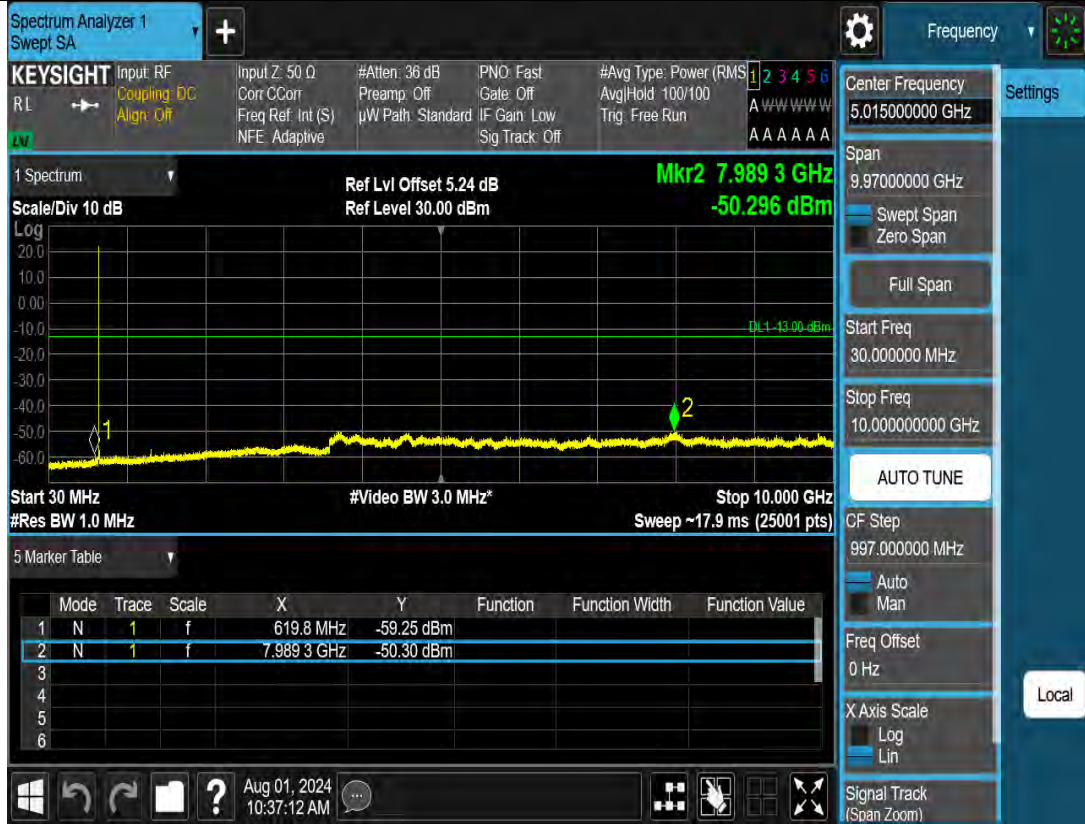


Conducted spurious emissions

test graph



N71-5M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



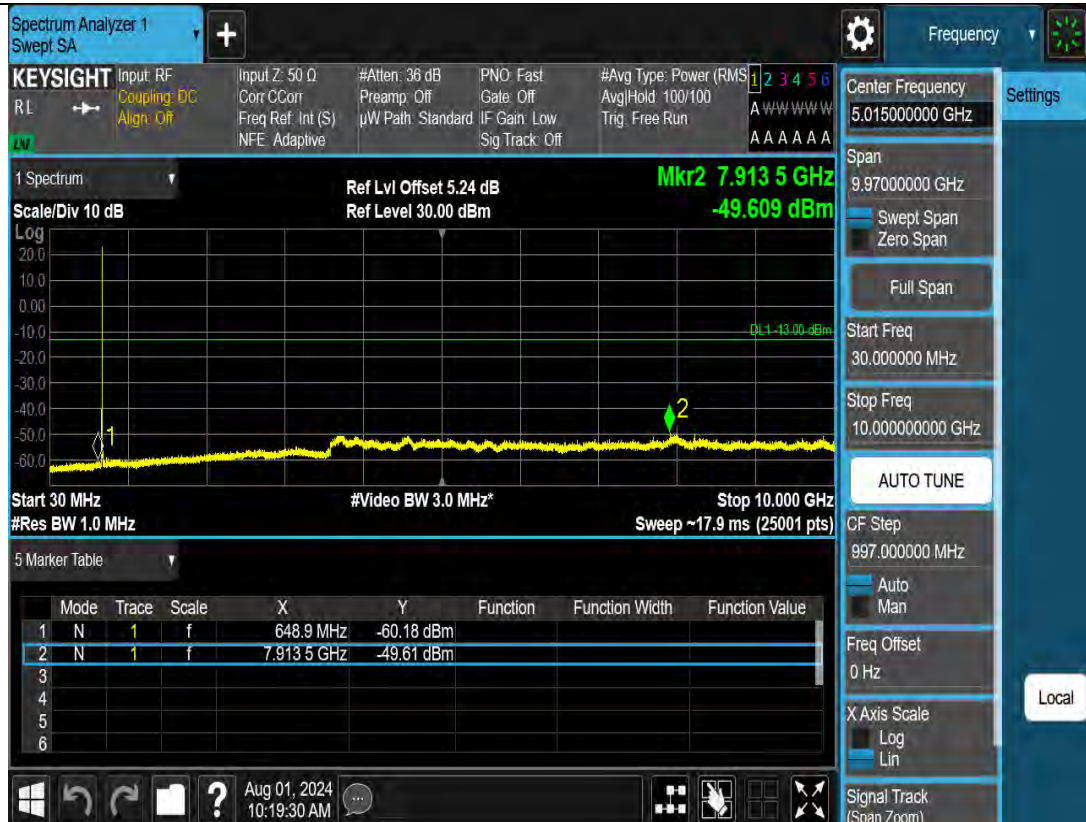
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N71-5M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N71-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N71-5M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



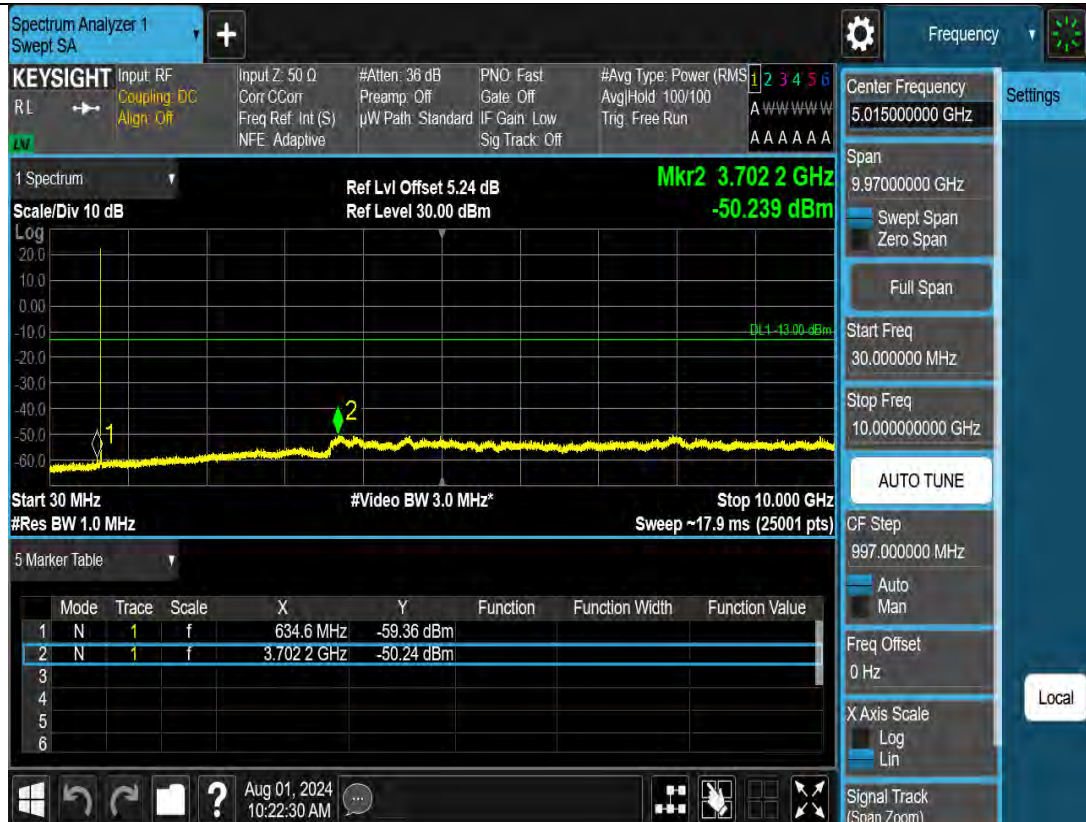
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N71-10M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



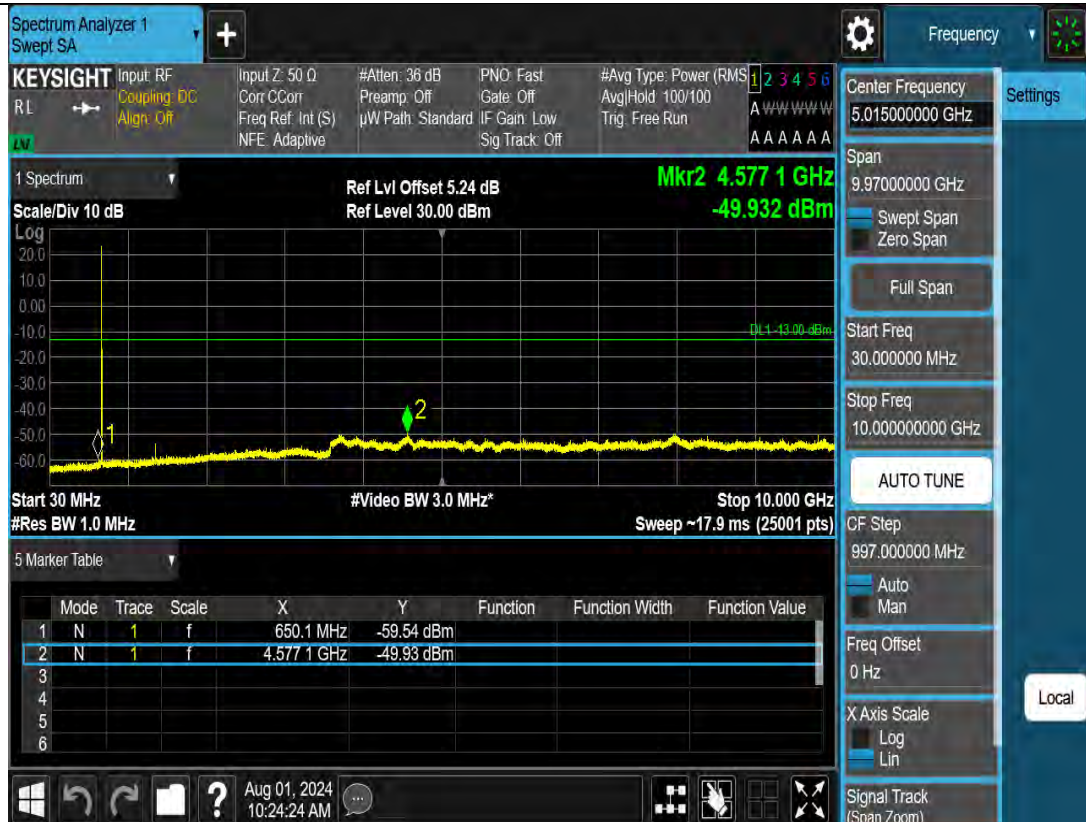
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N71-10M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



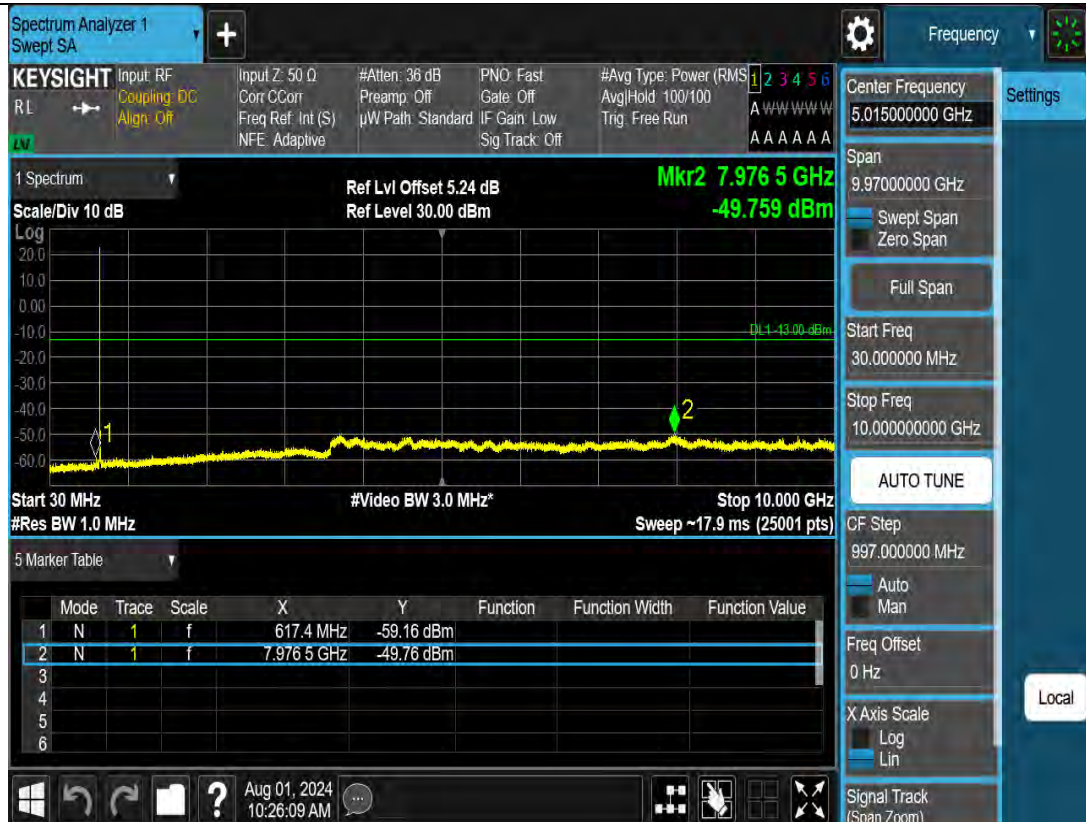
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N71-10M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N71-15M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



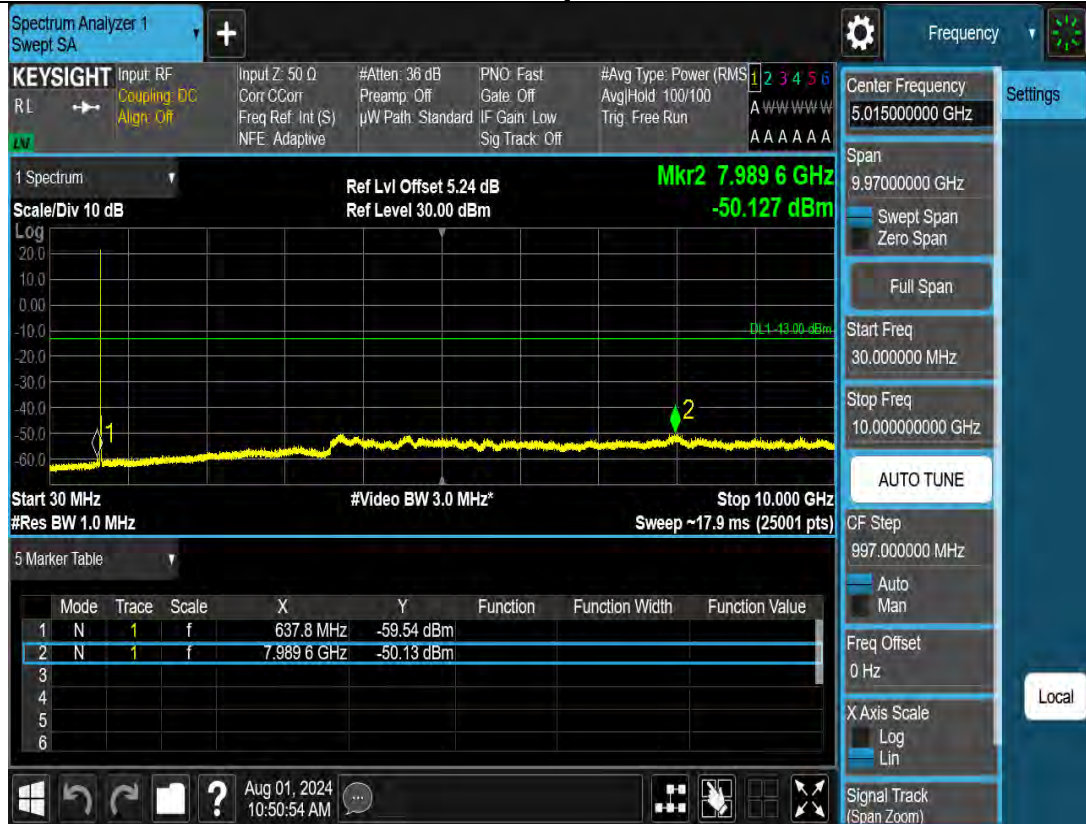
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N71-15M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N71-15M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N71-15M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

