99% & 26dB Bandwidth

Test Result

5G NR N13 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	4.4995	5.163	/	Pass
CP-OFDM QPSK		Outer_Full	4.5378	5.264	/	Pass
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	4.5471	5.171	/	Pass
CP-OFDM QPSK		Outer_Full	4.5606	5.386	/	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.54	5.163	/	Pass
CP-OFDM QPSK		Outer_Full	4.5905	5.183	/	Pass

5G NR N13 SCS=15kHz 10MHz						
Modulation	CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	Mid	Outer_Full	8.9385	9.673	/	Pass
CP-OFDM QPSK		Outer_Full	9.3021	10.13	/	Pass

Peak-Average Ratio

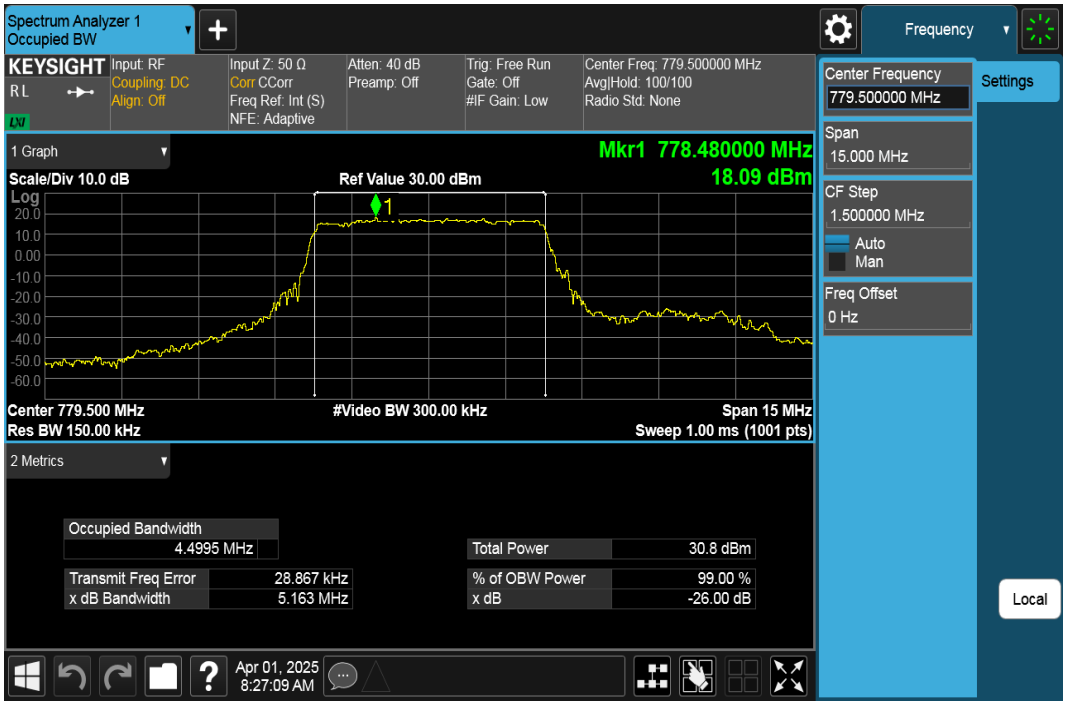
Test Result

5G NR N13 SCS=15kHz 5MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Low	Outer_Full	3.98	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.61	<=13	Pass
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.25	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.84	<=13	Pass
DFT-s-OFDM PI/2 BPSK	High	Outer_Full	4.15	<=13	Pass
CP-OFDM QPSK		Outer_Full	6.6	<=13	Pass

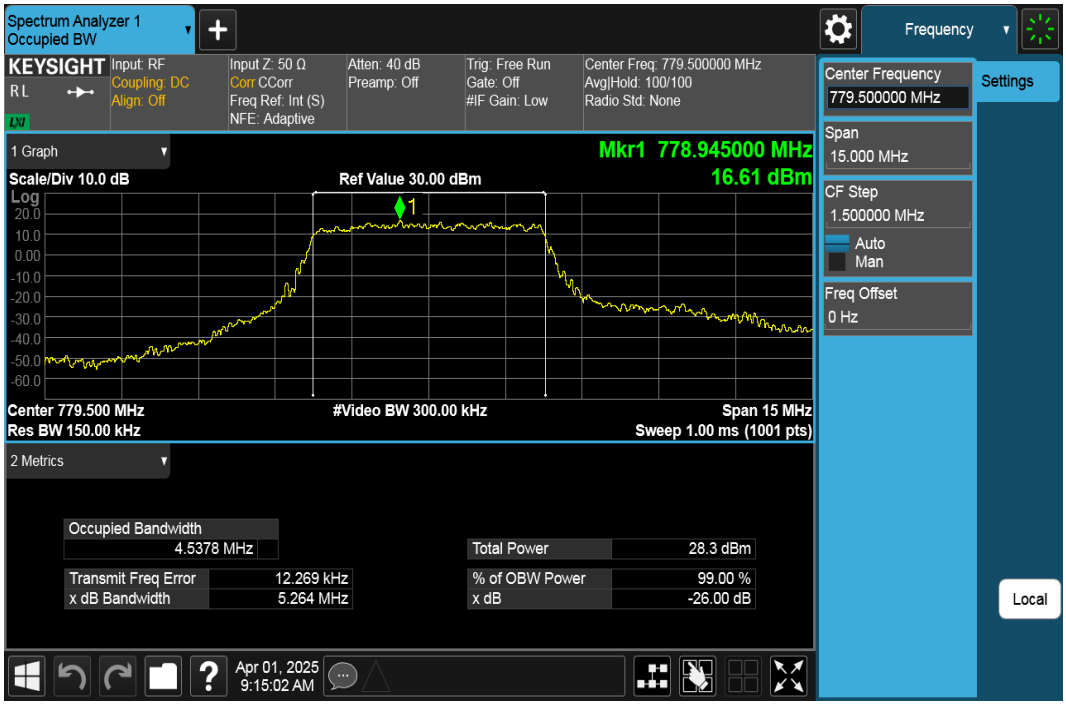
5G NR N13 SCS=15kHz 10MHz					
Modulation	CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK	Middle	Outer_Full	4.04	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.05	<=13	Pass

OBW Test graph

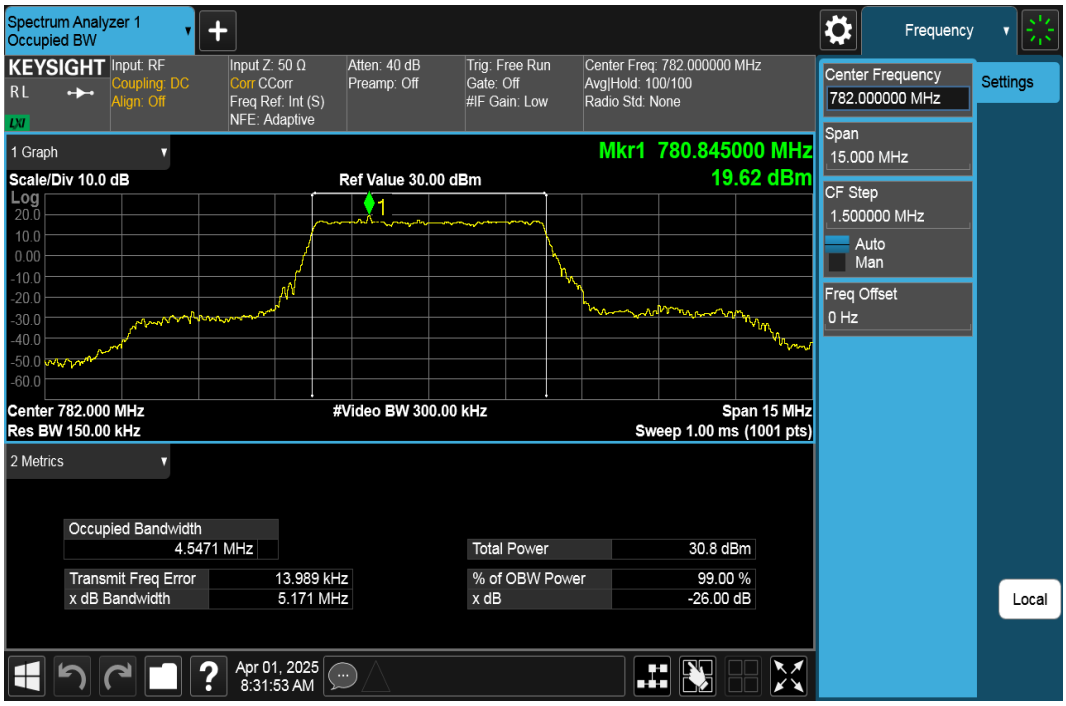
N13-5M-OBW-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



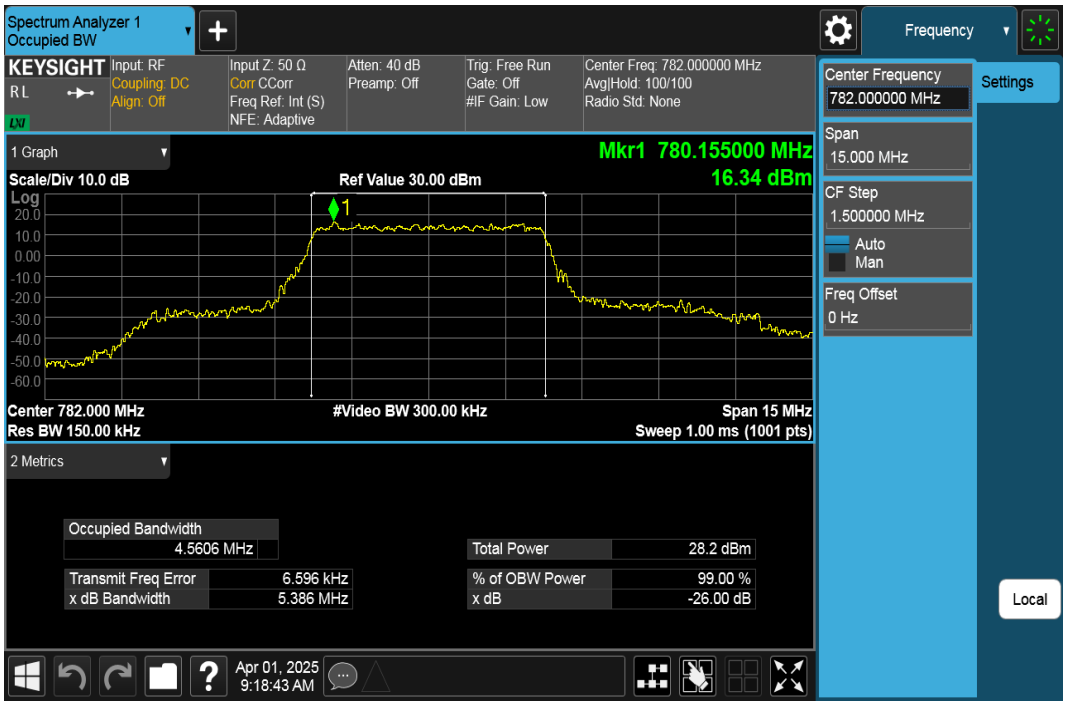
N13-5M-OBW-LCH-CP-OFDM-QPSK-Outer_Full



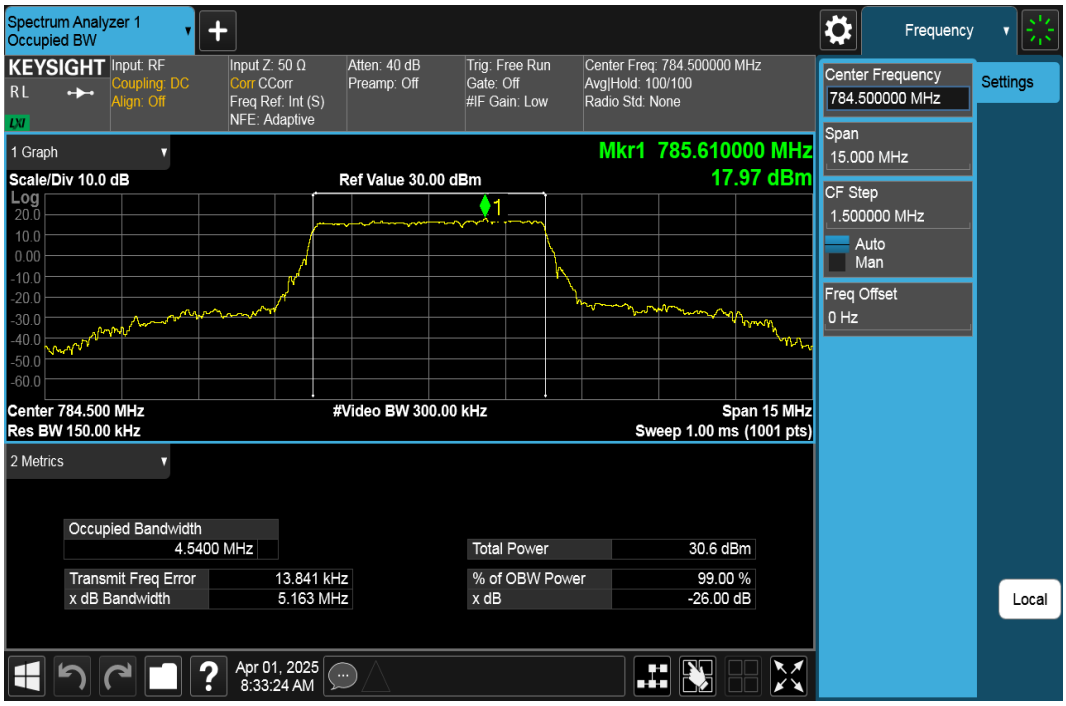
N13-5M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



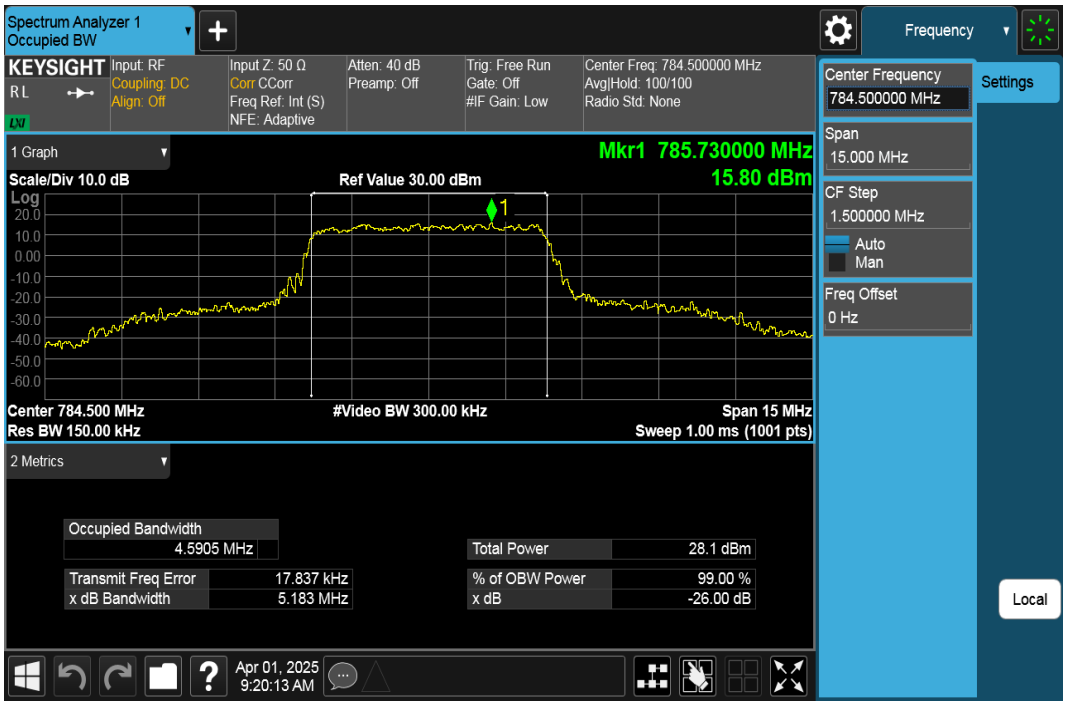
N13-5M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



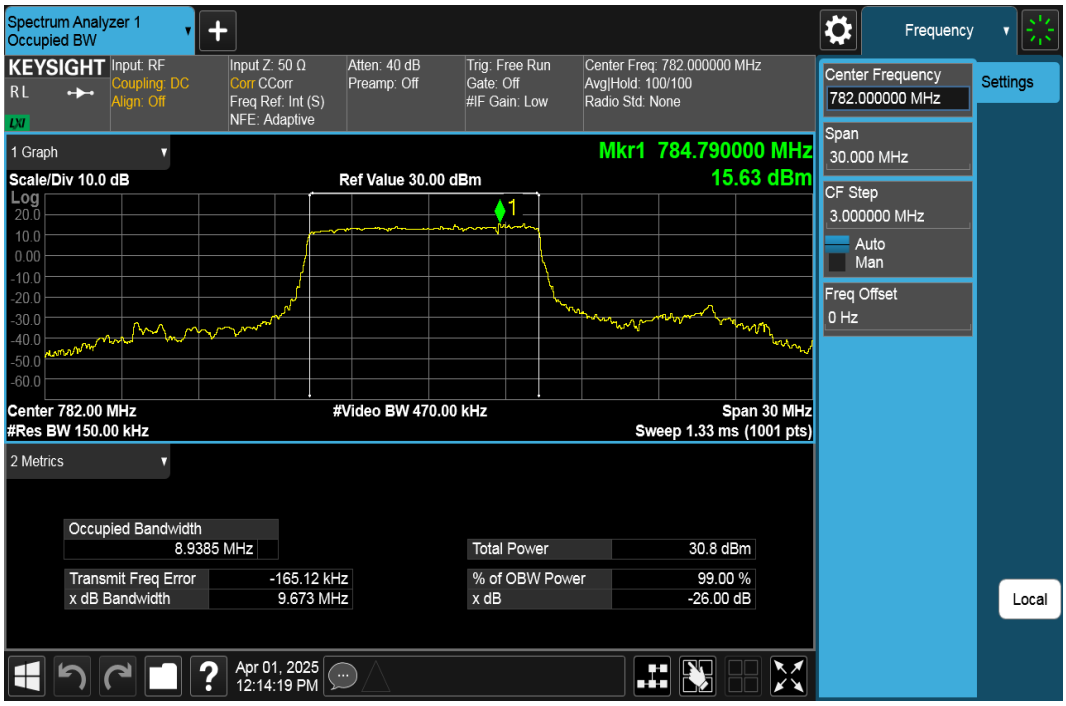
N13-5M-OBW-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



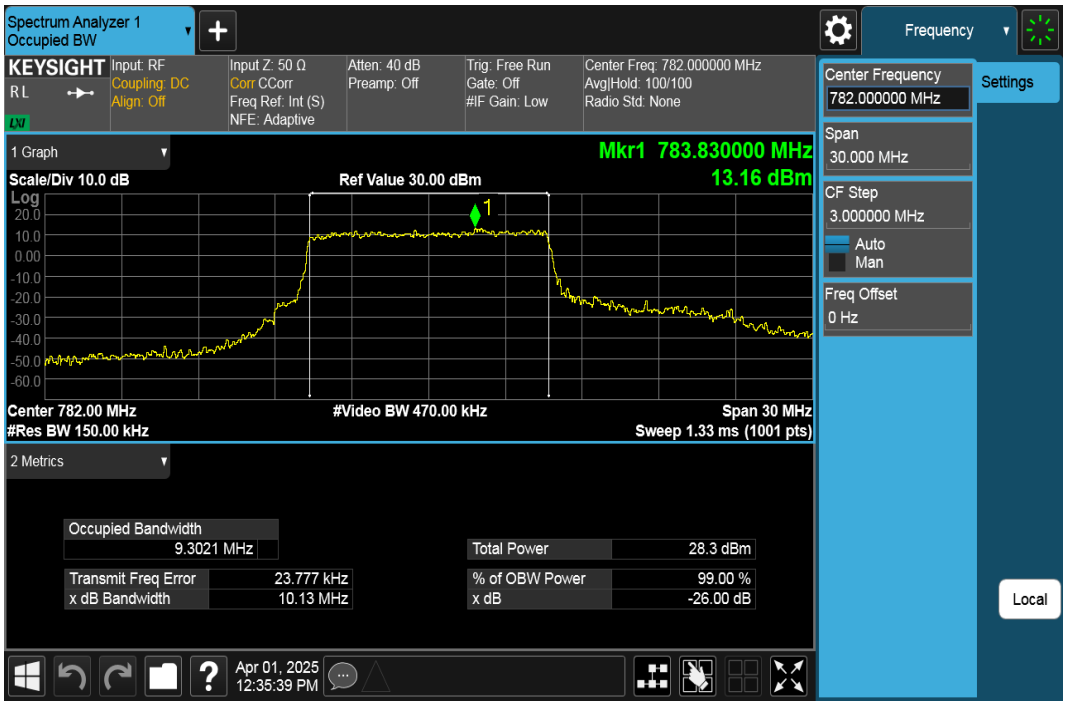
N13-5M-OBW-HCH-CP-OFDM-QPSK-Outer_Full



N13-10M-OBW-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



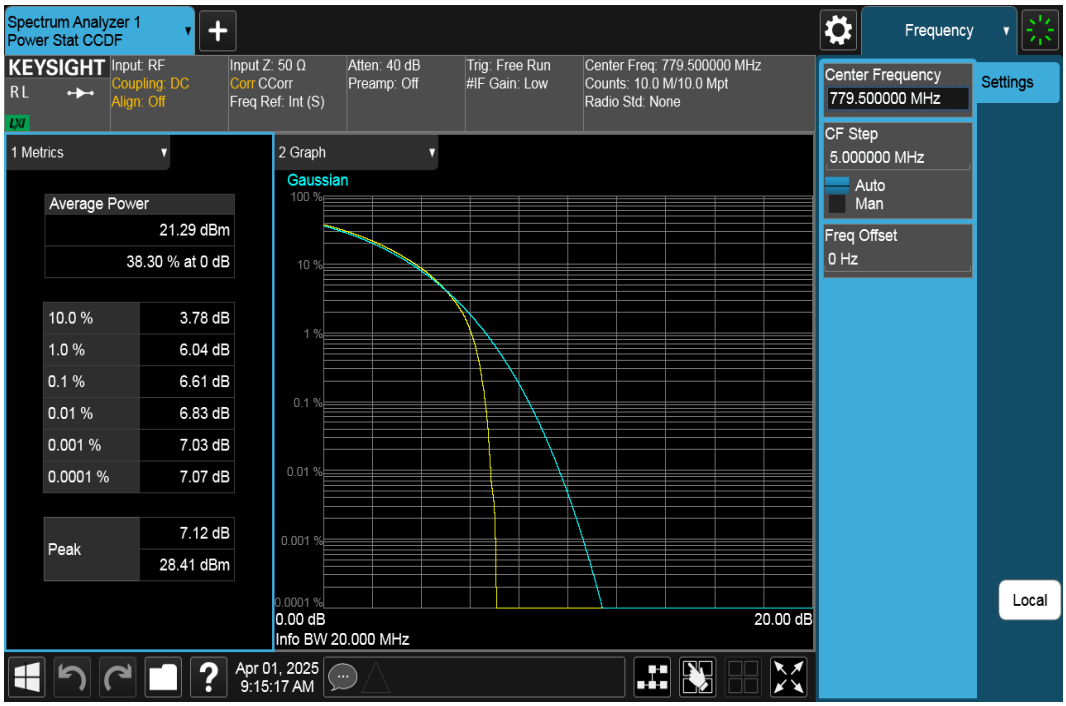
N13-10M-OBW-MCH-CP-OFDM-QPSK-Outer_Full



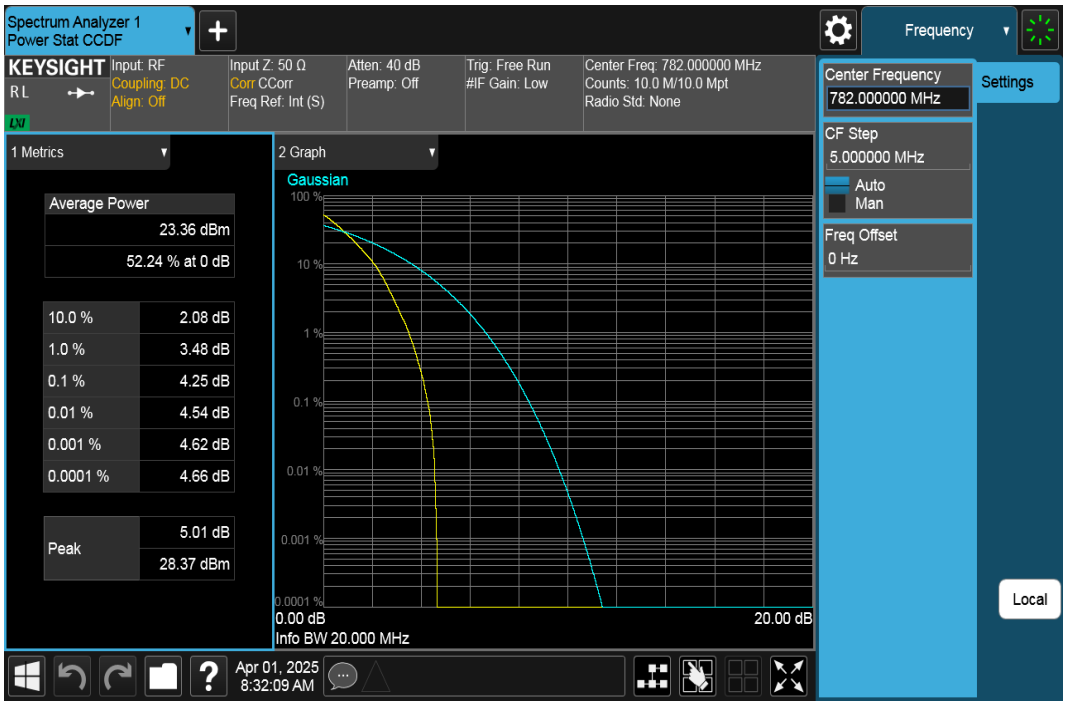
PAPR Test graph

N13-5M-PAPR-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

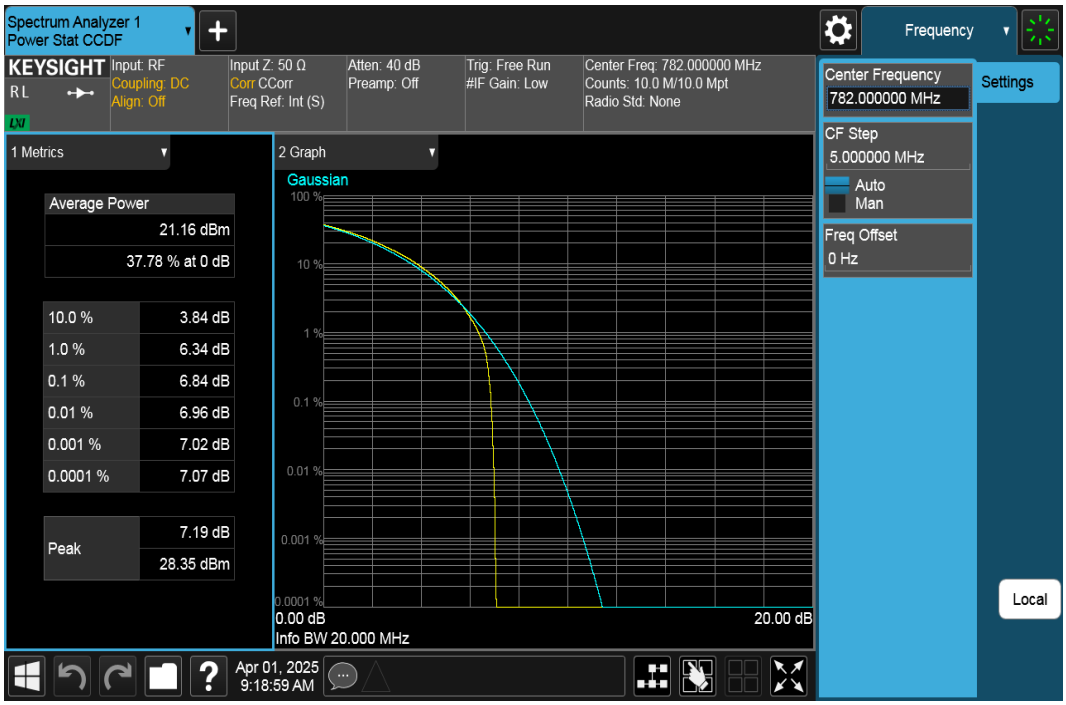
N13-5M-PAPR-LCH-CP-OFDM-QPSK-Outer_Full



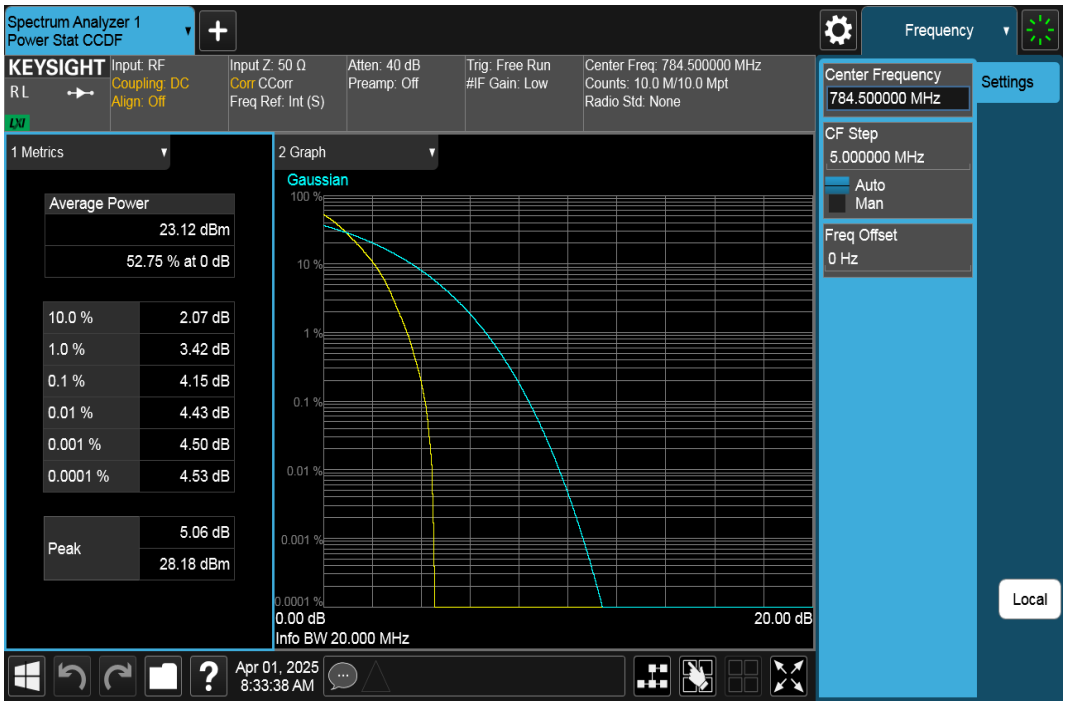
N13-5M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



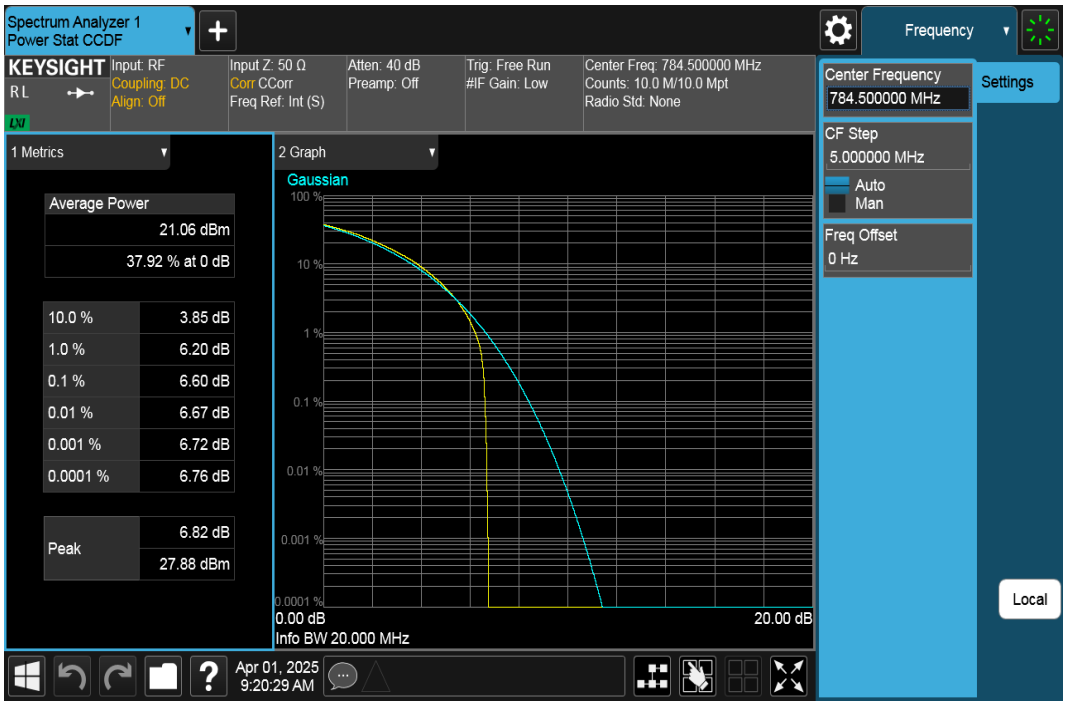
N13-5M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



N13-5M-PAPR-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

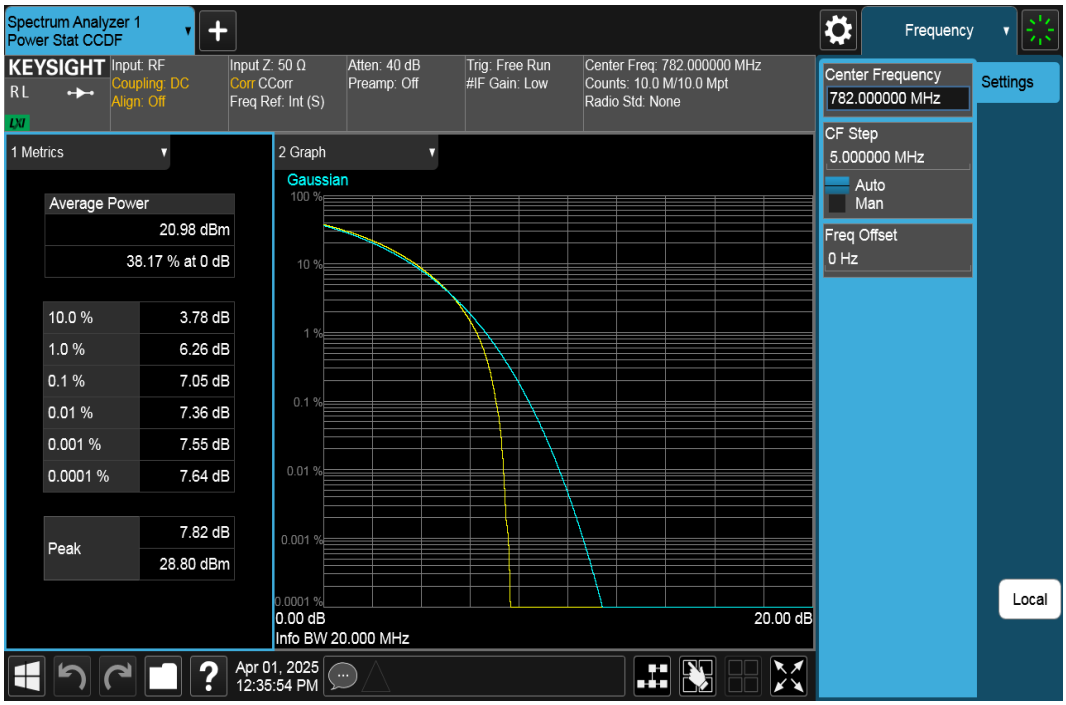


N13-5M-PAPR-HCH-CP-OFDM-QPSK-Outer_Full



N13-10M-PAPR-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full

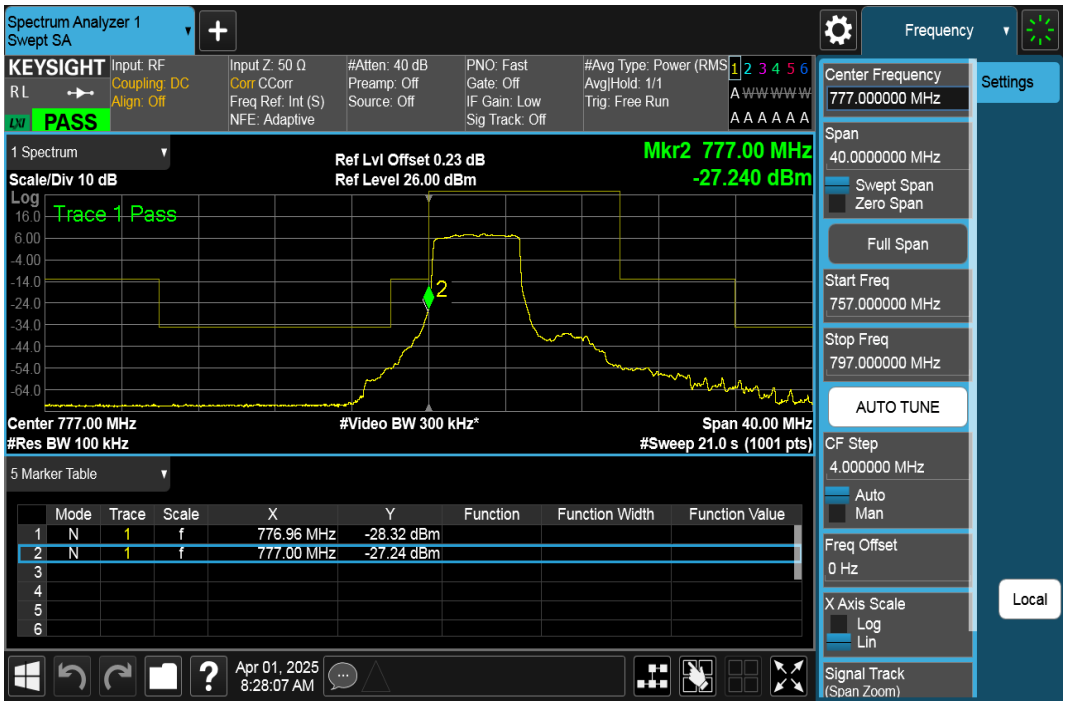
N13-10M-PAPR-MCH-CP-OFDM-QPSK-Outer_Full



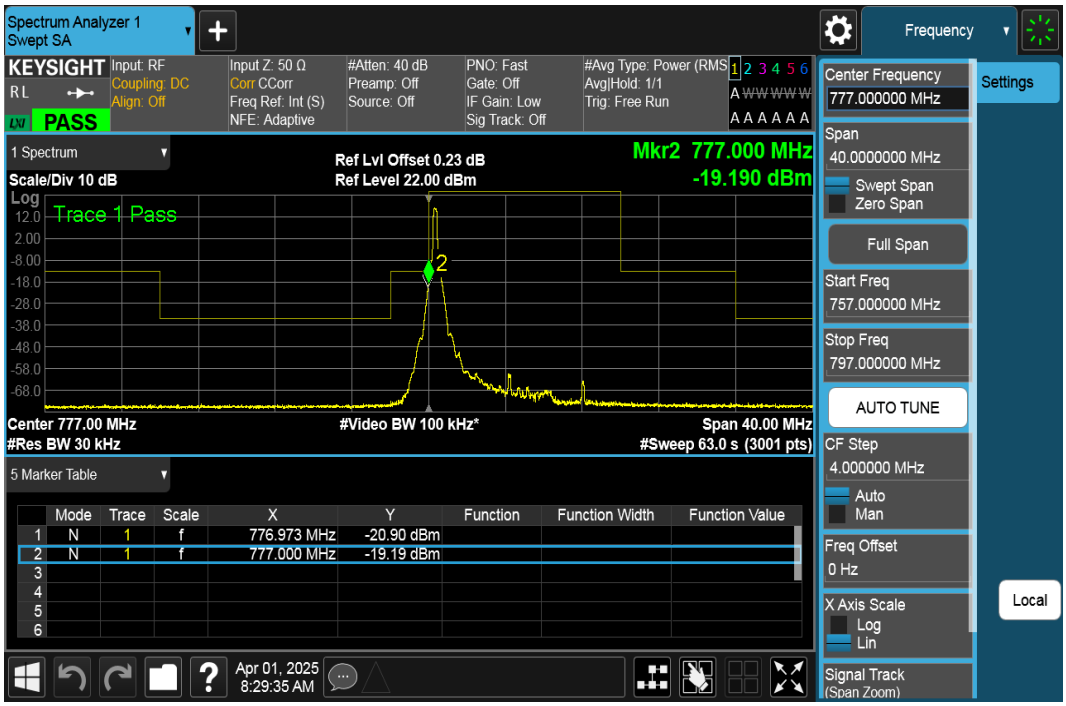
Bandedge

test graph

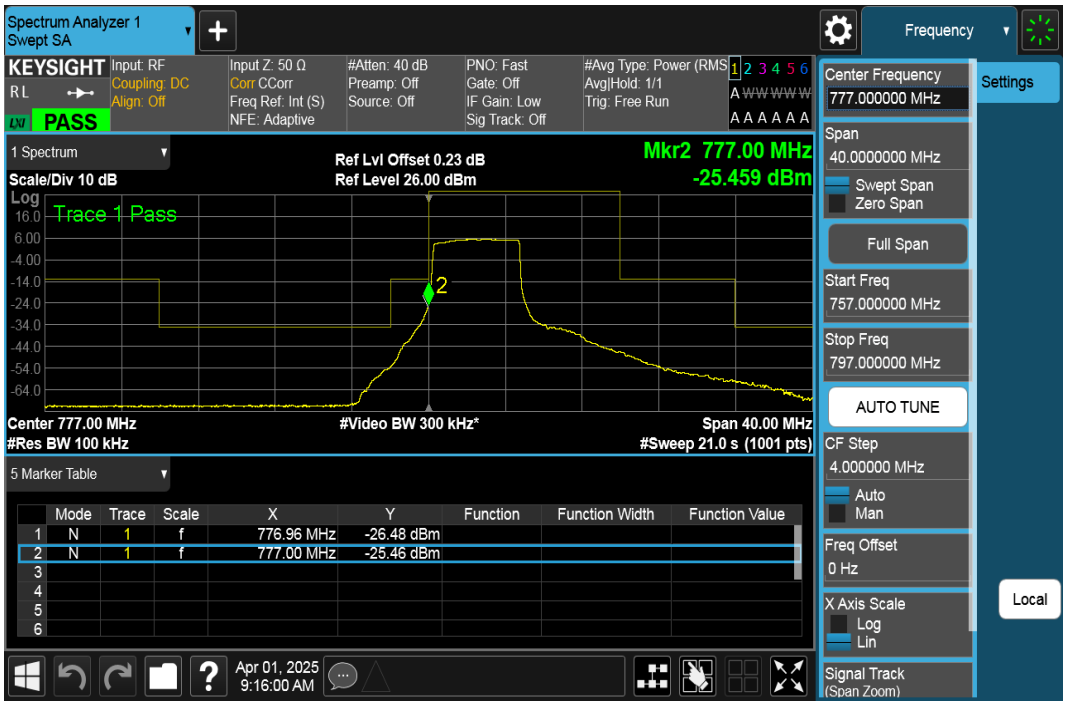
N13-5M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



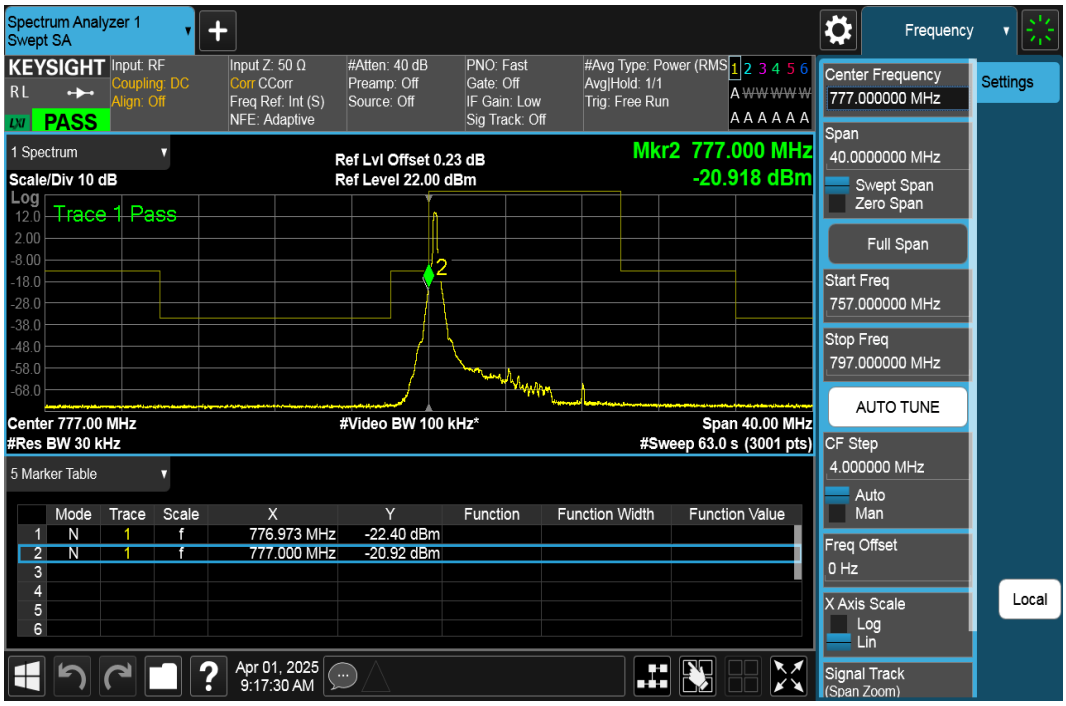
N13-5M-Bandedge-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0



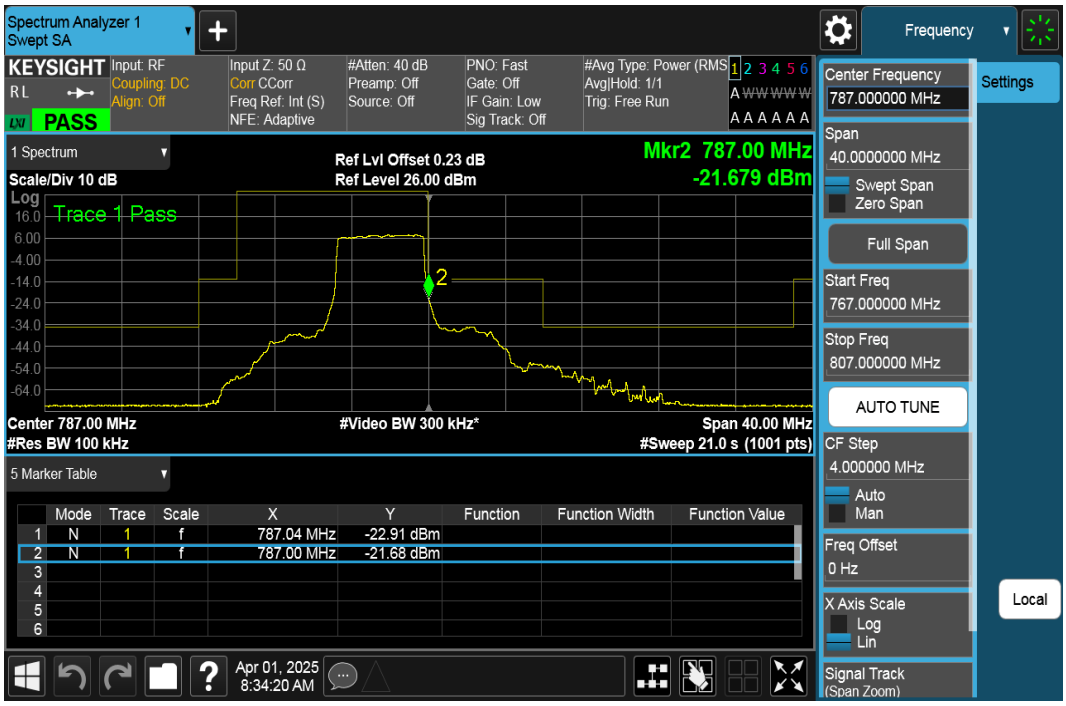
N13-5M-Bandedge-LCH-CP-OFDM-QPSK-Outer_Full



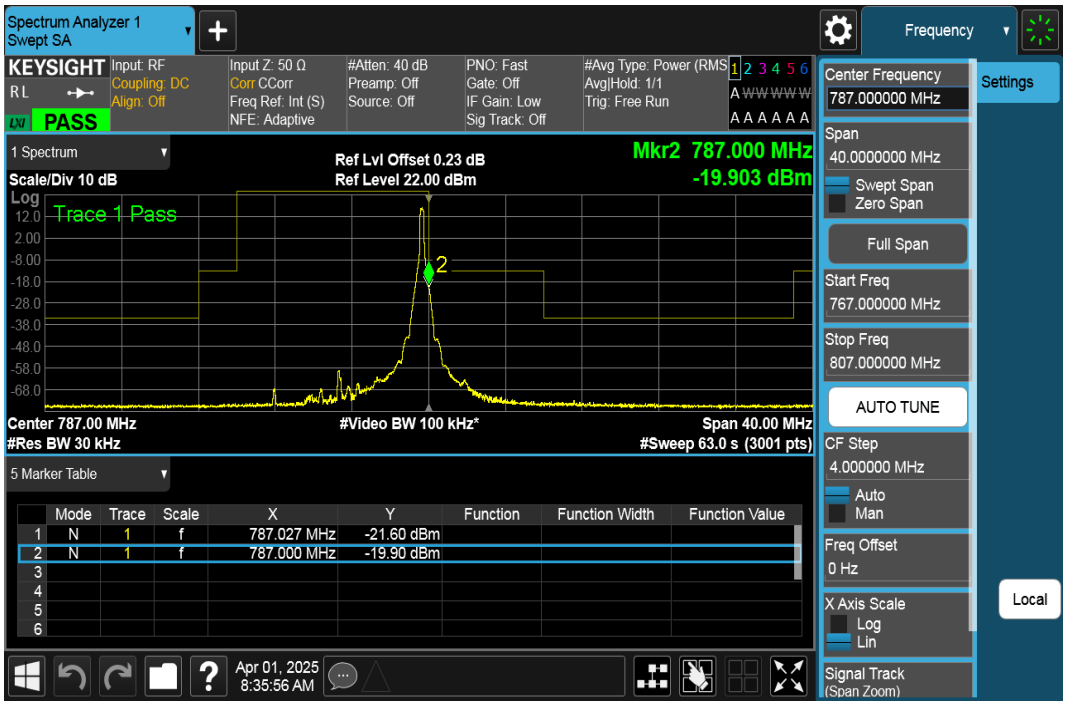
N13-5M-Bandedge-LCH-CP-OFDM-QPSK-1RB0



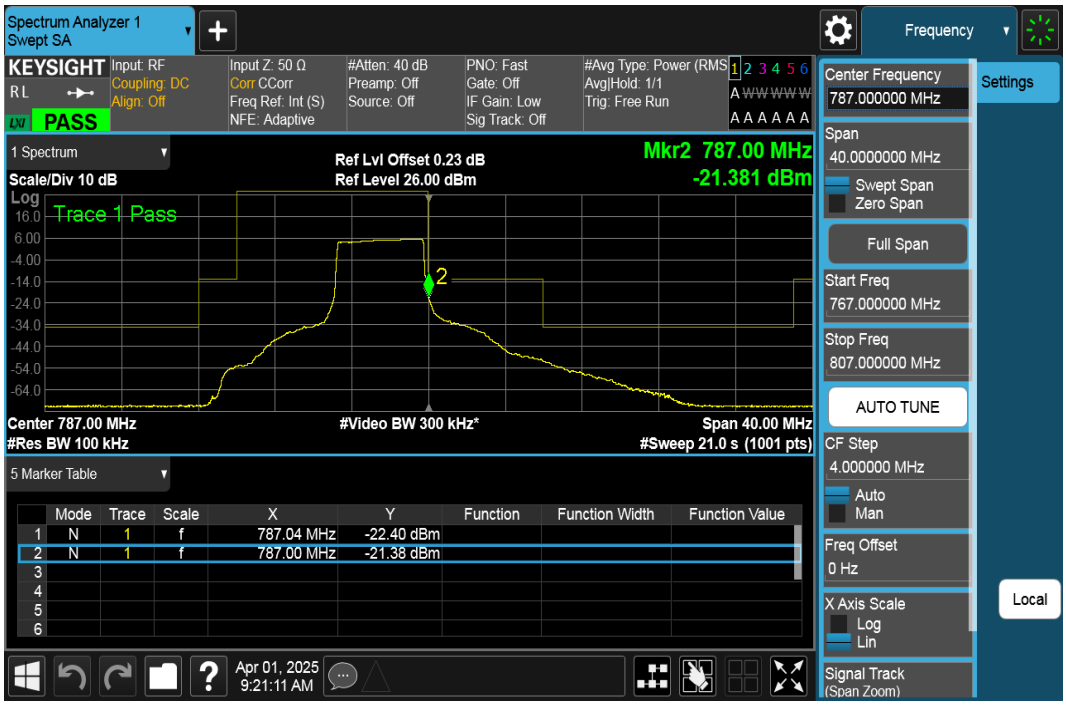
N13-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



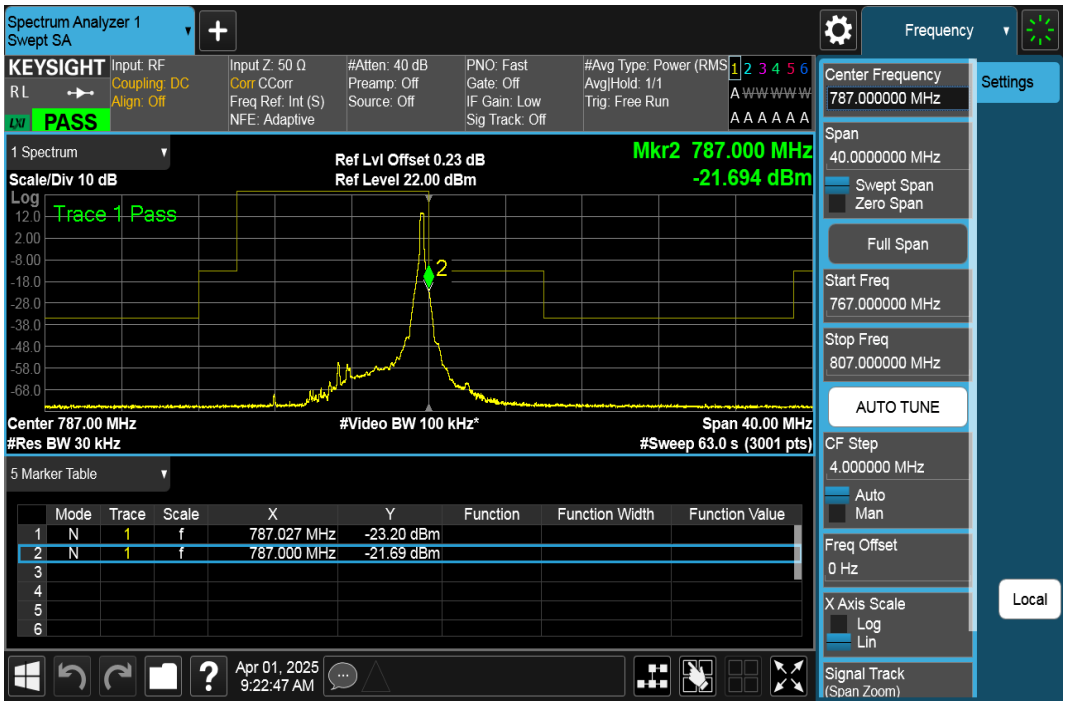
N13-5M-Bandedge-HCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



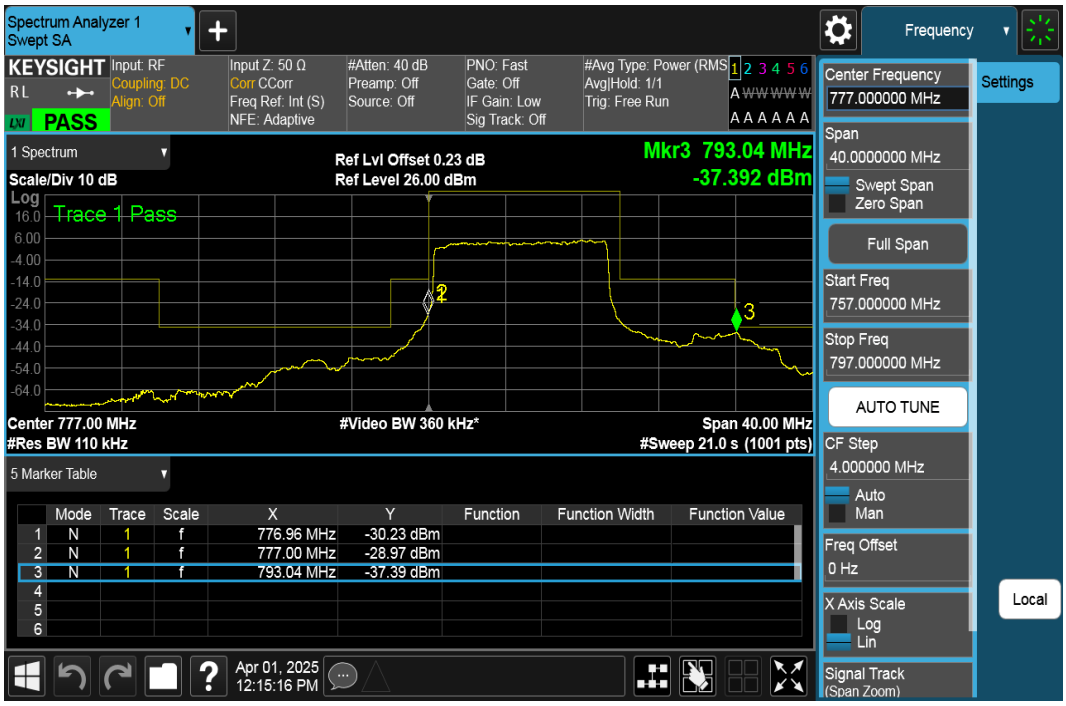
N13-5M-Bandedge-HCH-CP-OFDM-QPSK-Outer_Full



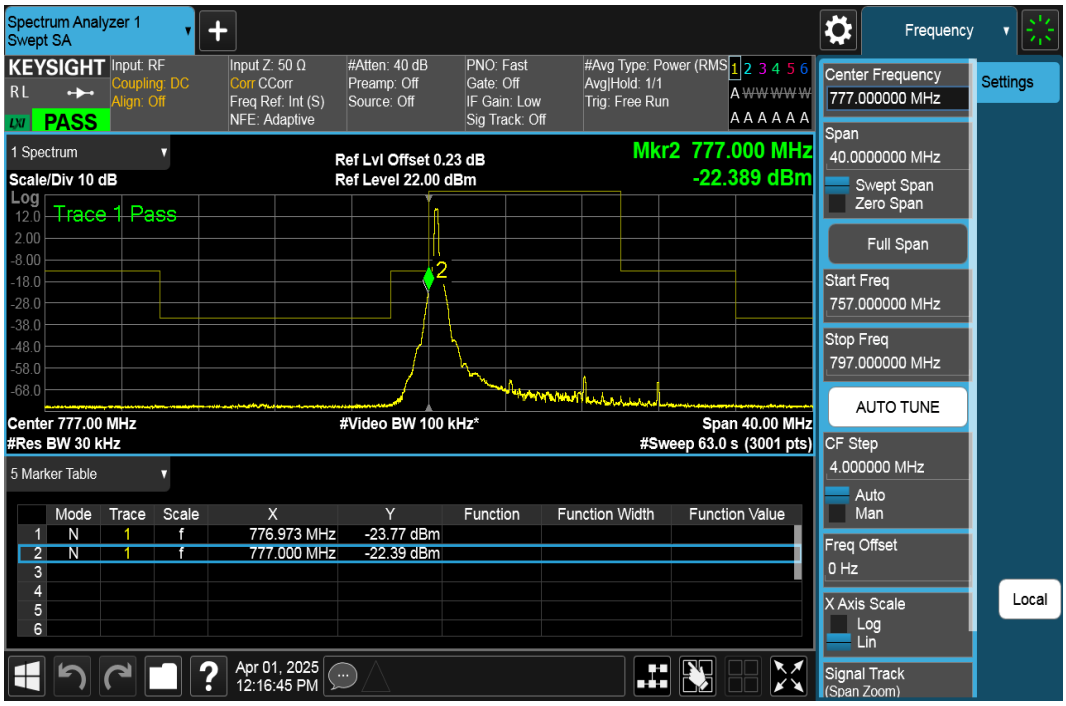
N13-5M-Bandedge-HCH-CP-OFDM-QPSK-1RB_MAX



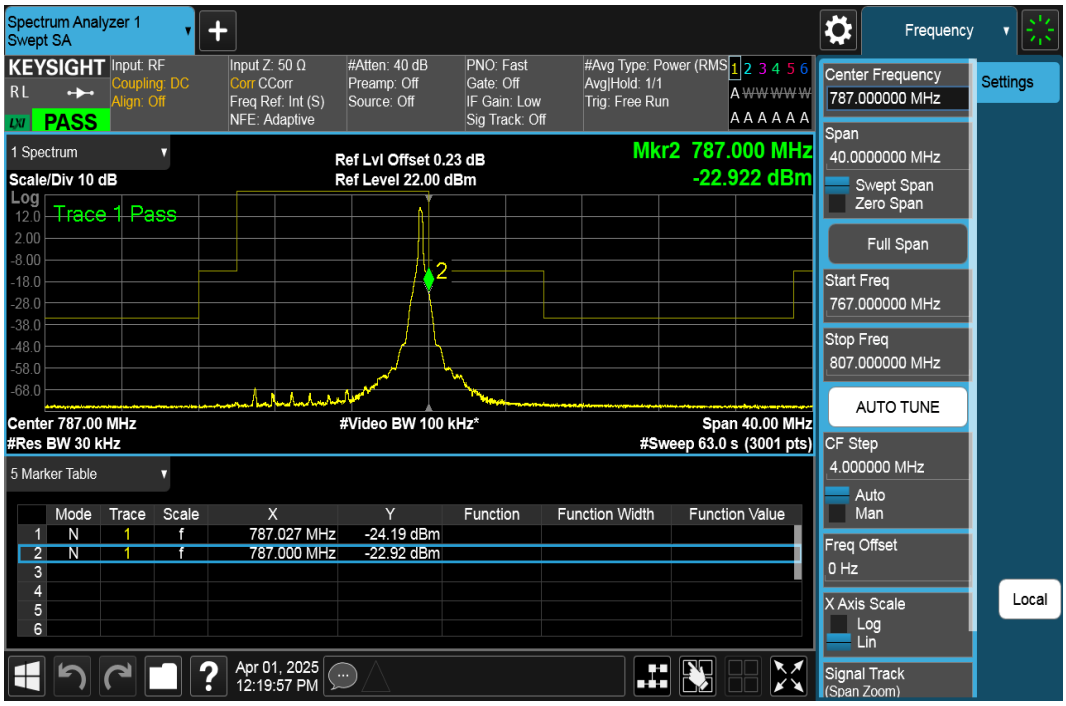
N13-10M-Bandedge-MCH-DFT-s-OFDM-Pi2 BPSK-Outer_Full



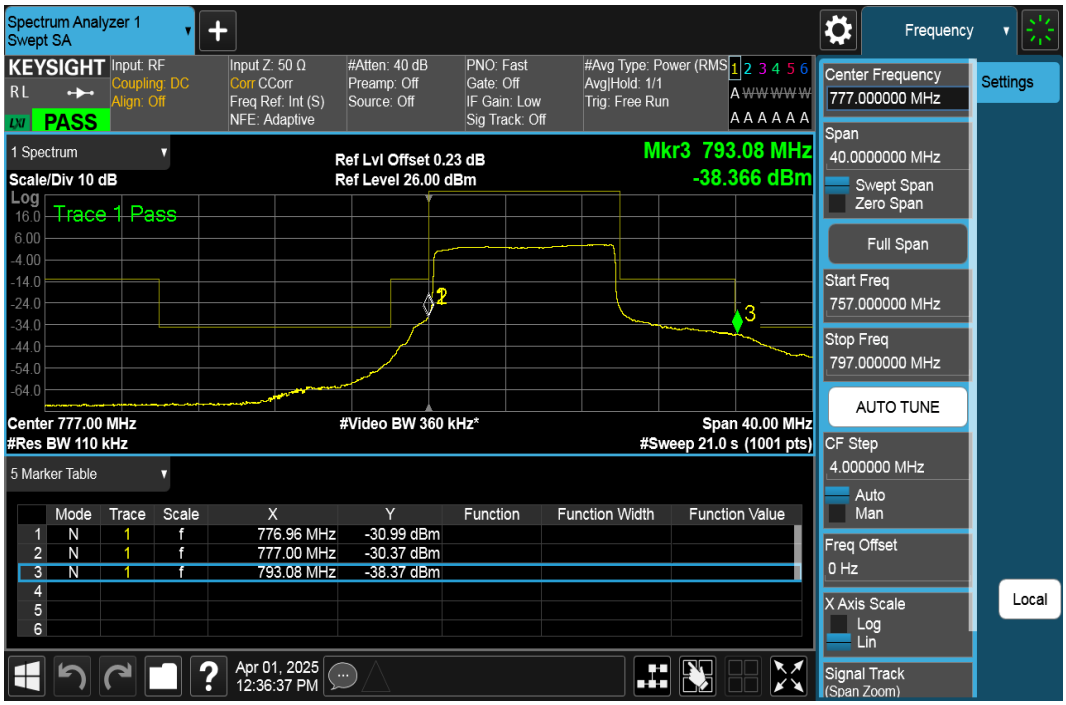
N13-10M-Bandedge-MCH-DFT-s-OFDM-Pi2 BPSK-1RB0



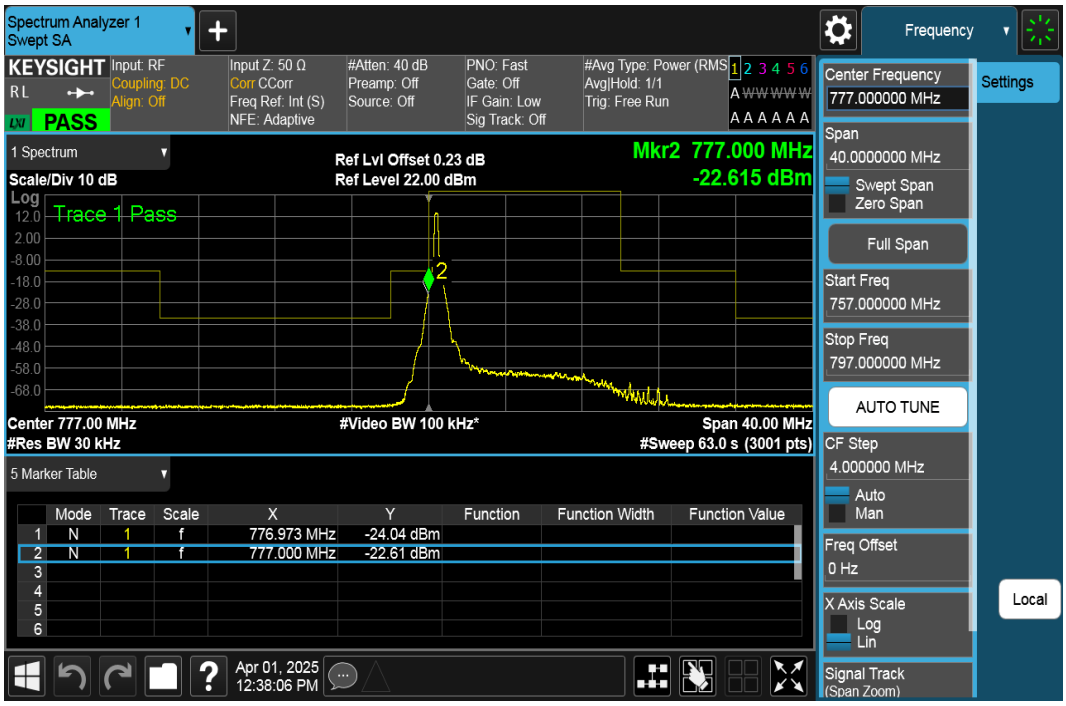
N13-10M-Bandedge-MCH-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



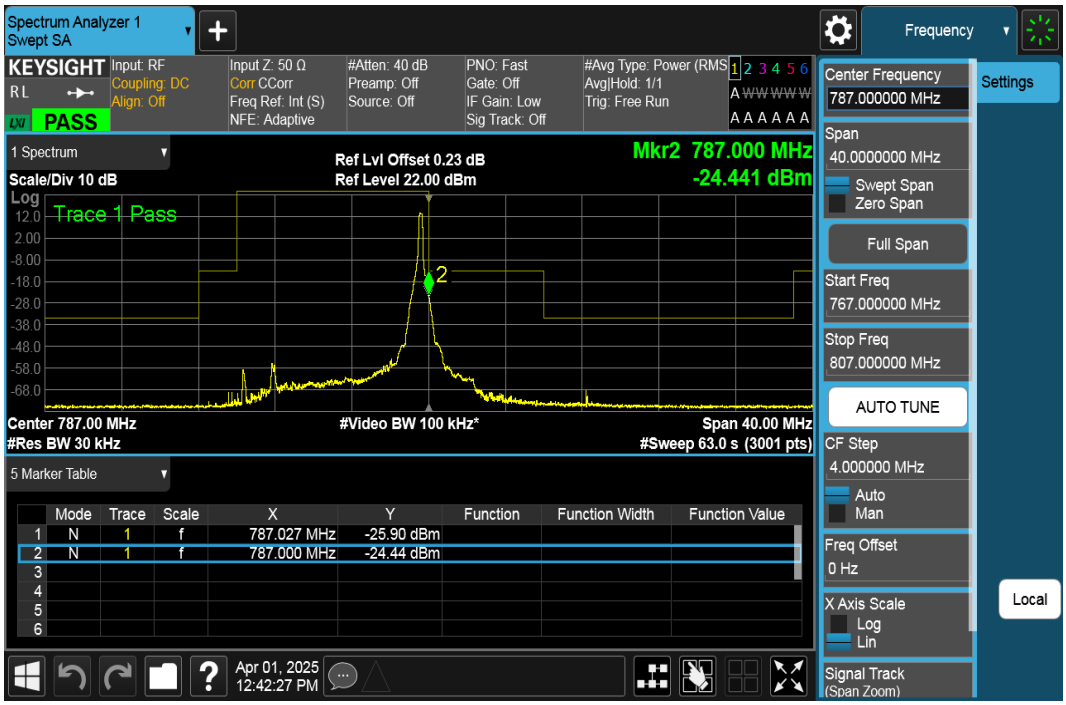
N13-10M-Bandedge-MCH-CP-OFDM-QPSK-Outer_Full



N13-10M-Bandedge-MCH-CP-OFDM-QPSK-1RB0



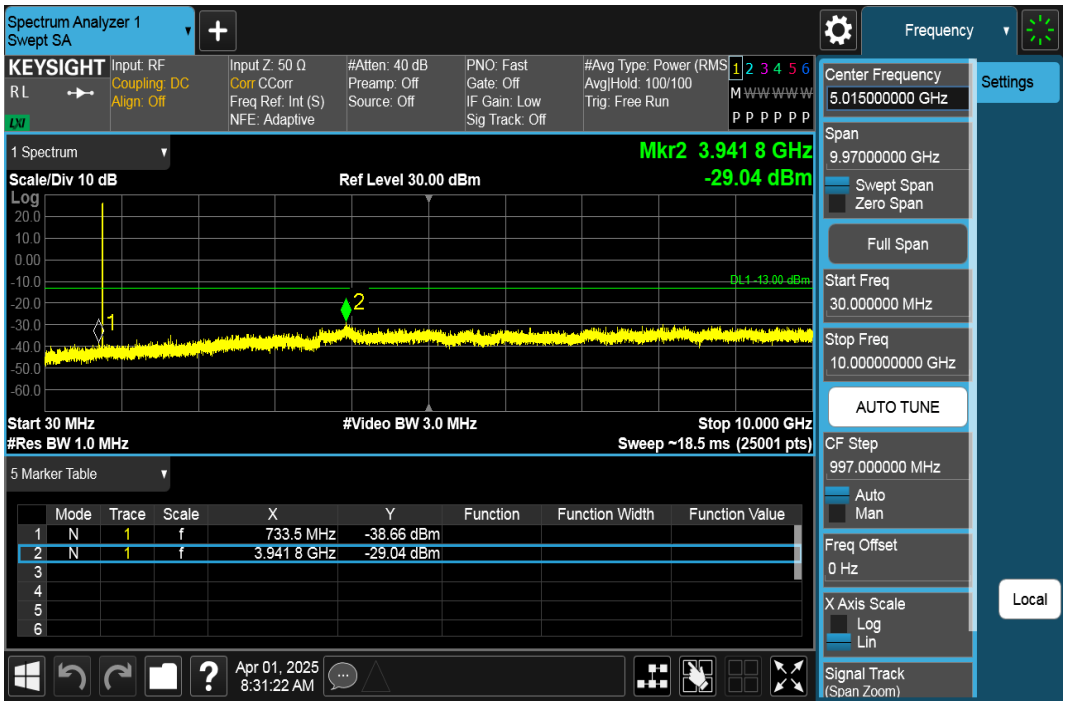
N13-10M-Bandedge-MCH-CP-OFDM-QPSK-1RB_MAX



Conducted spurious emissions

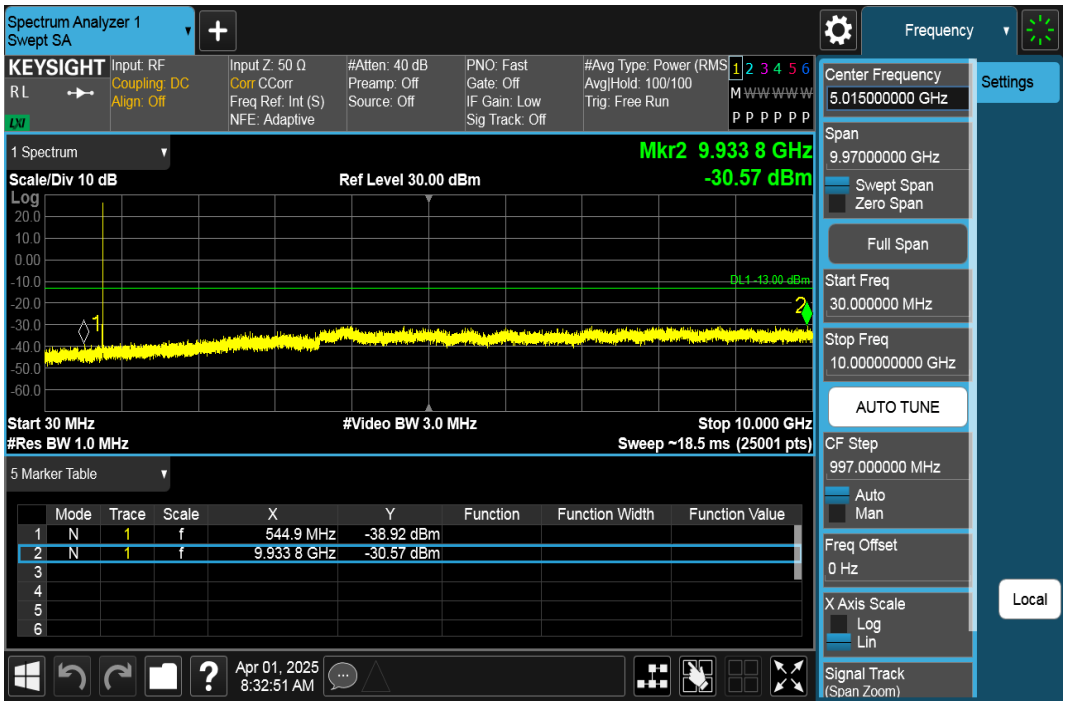
test graph

N13-5M-CSE-LCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



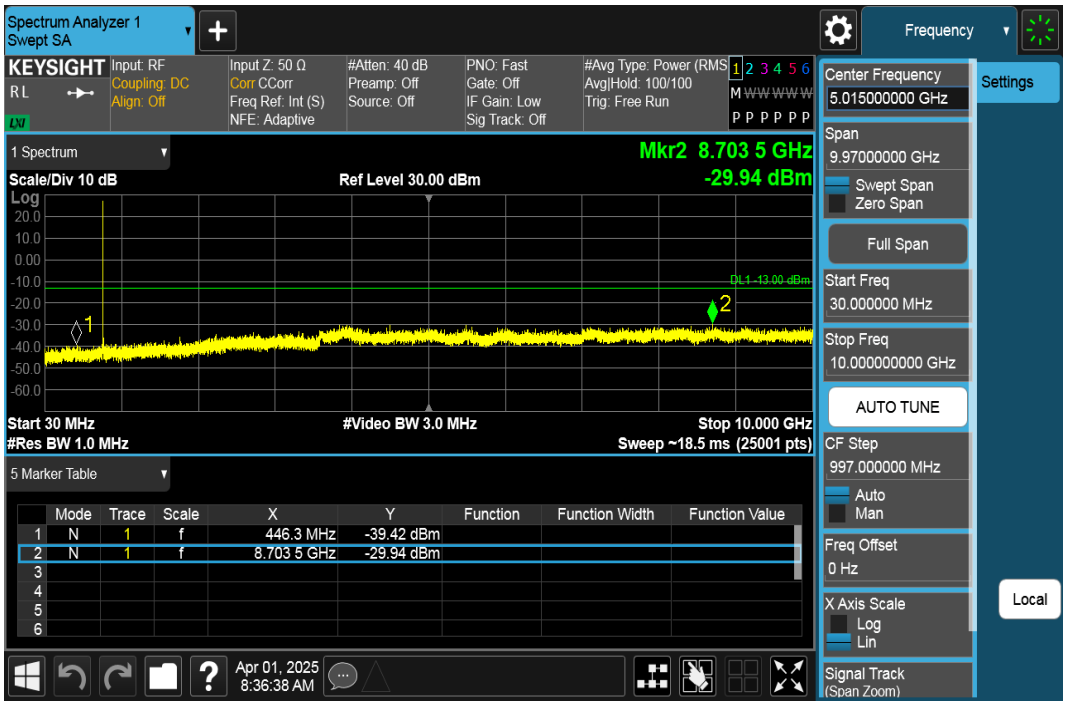
N13-5M-CSE-LCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz

N13-5M-CSE-MCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

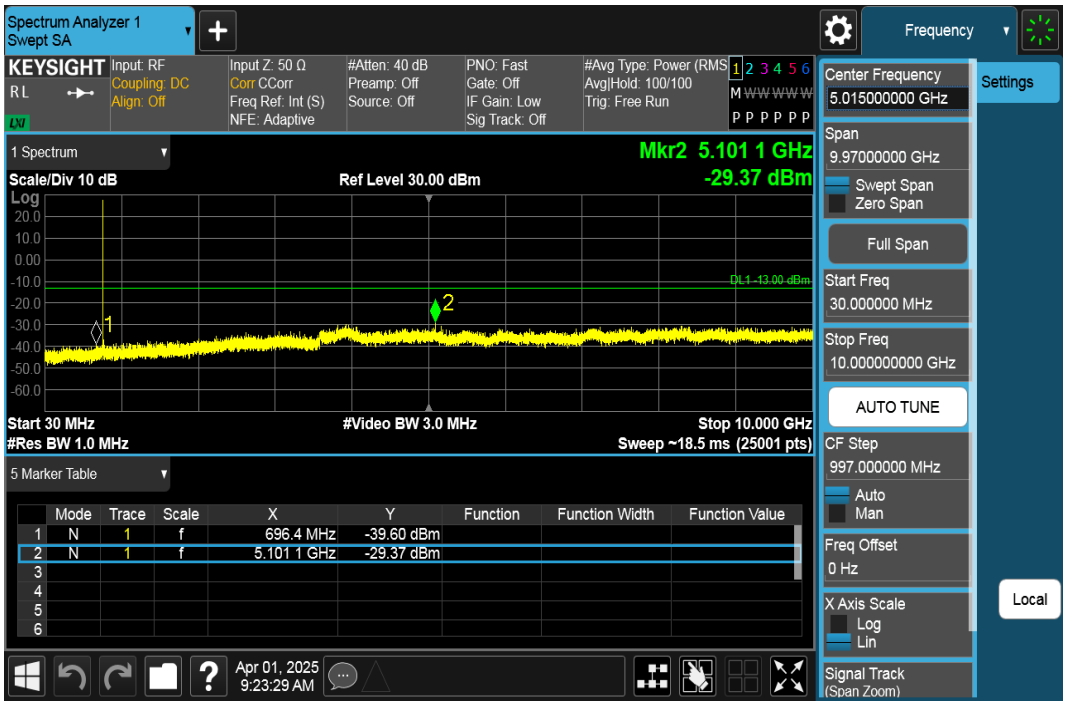


N13-5M-CSE-MCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz

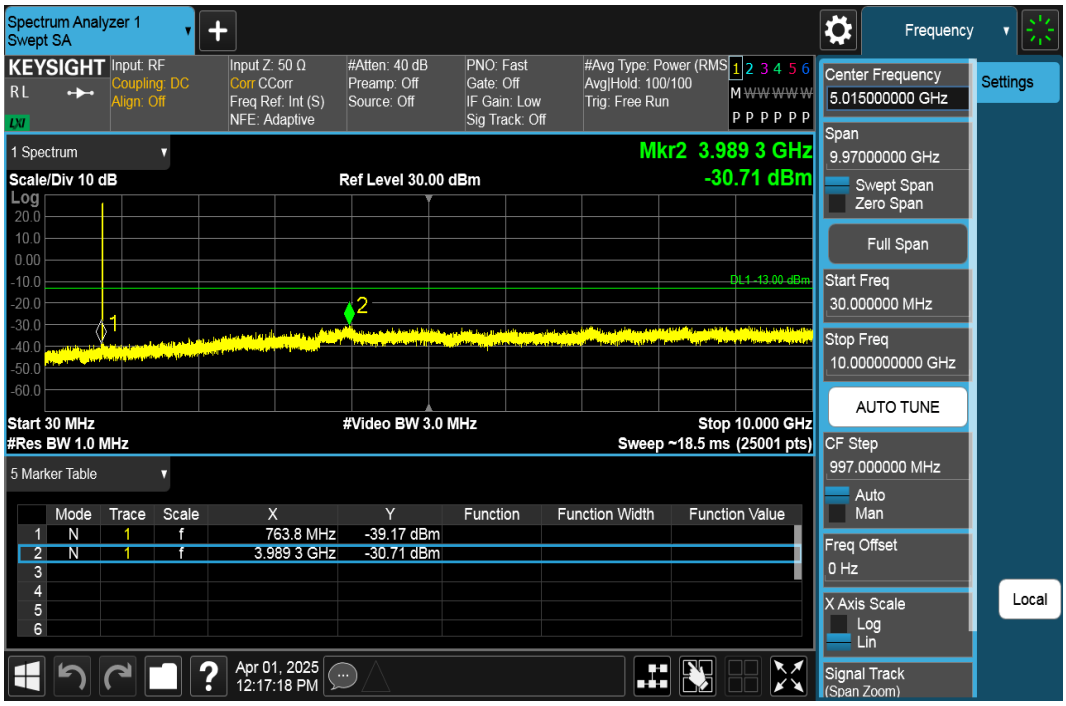
N13-5M-CSE-HCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N13-5M-CSE-HCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N13-10M-CSE-MCH-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N13-10M-CSE-MCH-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Effective (Isotropic) Radiated Power Output Data

Band width	Modulation	Frequency(MHz)	RB Allocation	Conducted Power(dBm)	ERP(dBm)	Limit	Verdict	Gain
5MHz	DFT-s-OFDM PI/2 BPSK	779.5MHz	Edge_Full_Left	23.93	24.78	34.77	Pass	3
			Edge_Full_Right	23.9	24.75	34.77	Pass	3
			Edge_1RB_Left	23.89	24.74	34.77	Pass	3
			Edge_1RB_Right	23.67	24.52	34.77	Pass	3
			Outer_Full	24.09	24.94	34.77	Pass	3
			Inner_Full	24.16	25.01	34.77	Pass	3
			Inner_1RB_Left	24.11	24.96	34.77	Pass	3
			Inner_1RB_Right	23.98	24.83	34.77	Pass	3
	DFT-s-OFDM QPSK		Edge_Full_Left	23.55	24.4	34.77	Pass	3
			Edge_Full_Right	23.63	24.48	34.77	Pass	3
			Edge_1RB_Left	23.19	24.04	34.77	Pass	3
			Edge_1RB_Right	23.49	24.34	34.77	Pass	3
			Outer_Full	23.59	24.44	34.77	Pass	3
			Inner_Full	24.14	24.99	34.77	Pass	3
			Inner_1RB_Left	24.05	24.9	34.77	Pass	3
			Inner_1RB_Right	24.04	24.89	34.77	Pass	3
	DFT-s-OFDM 16QAM		Edge_Full_Left	22.61	23.46	34.77	Pass	3
			Edge_Full_Right	22.63	23.48	34.77	Pass	3
			Edge_1RB_Left	22.5	23.35	34.77	Pass	3
			Edge_1RB_Right	22.26	23.11	34.77	Pass	3
			Outer_Full	22.72	23.57	34.77	Pass	3
			Inner_Full	23.54	24.39	34.77	Pass	3
			Inner_1RB_Left	23.05	23.9	34.77	Pass	3
			Inner_1RB_Right	23.37	24.22	34.77	Pass	3
	DFT-s-OFDM 64QAM		Edge_Full_Left	22.37	23.22	34.77	Pass	3
			Edge_Full_Right	22.18	23.03	34.77	Pass	3
			Edge_1RB_Left	22.24	23.09	34.77	Pass	3
			Edge_1RB_Right	21.97	22.82	34.77	Pass	3
			Outer_Full	22.24	23.09	34.77	Pass	3
			Inner_Full	21.86	22.71	34.77	Pass	3
			Inner_1RB_Left	22.15	23	34.77	Pass	3
			Inner_1RB_Right	22.11	22.96	34.77	Pass	3
	DFT-s-OFDM 256QAM		Edge_Full_Left	20.15	21	34.77	Pass	3
			Edge_Full_Right	20.39	21.24	34.77	Pass	3
			Edge_1RB_Left	19.74	20.59	34.77	Pass	3
			Edge_1RB_Right	19.89	20.74	34.77	Pass	3
			Outer_Full	20.15	21	34.77	Pass	3
			Inner_Full	20	20.85	34.77	Pass	3
			Inner_1RB_Left	19.79	20.64	34.77	Pass	3

			Inner_1RB_Right	19.81	20.66	34.77	Pass	3
	CP-OFDM QPSK		Edge_Full_Left	21.28	22.13	34.77	Pass	3
			Edge_Full_Right	21.66	22.51	34.77	Pass	3
			Edge_1RB_Left	21.76	22.61	34.77	Pass	3
			Edge_1RB_Right	21.71	22.56	34.77	Pass	3
			Outer_Full	21.73	22.58	34.77	Pass	3
			Inner_Full	23.1	23.95	34.77	Pass	3
			Inner_1RB_Left	23.02	23.87	34.77	Pass	3
			Inner_1RB_Right	22.58	23.43	34.77	Pass	3
	CP-OFDM 16QAM		Edge_Full_Left	21.44	22.29	34.77	Pass	3
			Edge_Full_Right	21.2	22.05	34.77	Pass	3
			Edge_1RB_Left	22.08	22.93	34.77	Pass	3
			Edge_1RB_Right	21.93	22.78	34.77	Pass	3
			Outer_Full	21.58	22.43	34.77	Pass	3
			Inner_Full	22.56	23.41	34.77	Pass	3
			Inner_1RB_Left	22.89	23.74	34.77	Pass	3
			Inner_1RB_Right	23.19	24.04	34.77	Pass	3
	CP-OFDM 64QAM		Edge_Full_Left	20.75	21.6	34.77	Pass	3
			Edge_Full_Right	20.56	21.41	34.77	Pass	3
			Edge_1RB_Left	21.03	21.88	34.77	Pass	3
			Edge_1RB_Right	20.99	21.84	34.77	Pass	3
			Outer_Full	21.15	22	34.77	Pass	3
			Inner_Full	21.19	22.04	34.77	Pass	3
			Inner_1RB_Left	20.48	21.33	34.77	Pass	3
			Inner_1RB_Right	20.78	21.63	34.77	Pass	3
	CP-OFDM 256QAM		Edge_Full_Left	18.2	19.05	34.77	Pass	3
			Edge_Full_Right	18.28	19.13	34.77	Pass	3
			Edge_1RB_Left	18.57	19.42	34.77	Pass	3
			Edge_1RB_Right	18.53	19.38	34.77	Pass	3
			Outer_Full	18.02	18.87	34.77	Pass	3
			Inner_Full	17.77	18.62	34.77	Pass	3
			Inner_1RB_Left	18.6	19.45	34.77	Pass	3
			Inner_1RB_Right	18.44	19.29	34.77	Pass	3
	DFT-s-OFDM PI/2 BPSK	782MHz	Edge_Full_Left	23.72	24.57	34.77	Pass	3
			Edge_Full_Right	24.07	24.92	34.77	Pass	3
			Edge_1RB_Left	23.66	24.51	34.77	Pass	3
			Edge_1RB_Right	23.6	24.45	34.77	Pass	3
			Outer_Full	24.11	24.96	34.77	Pass	3
			Inner_Full	24.11	24.96	34.77	Pass	3
			Inner_1RB_Left	23.95	24.8	34.77	Pass	3
			Inner_1RB_Right	24.04	24.89	34.77	Pass	3
	DFT-s-OFDM QPSK		Edge_Full_Left	23.74	24.59	34.77	Pass	3
			Edge_Full_Right	23.52	24.37	34.77	Pass	3

			Edge_1RB_Left	23.62	24.47	34.77	Pass	3
			Edge_1RB_Right	23.51	24.36	34.77	Pass	3
			Outer_Full	23.59	24.44	34.77	Pass	3
			Inner_Full	24.03	24.88	34.77	Pass	3
			Inner_1RB_Left	24.06	24.91	34.77	Pass	3
			Inner_1RB_Right	24.09	24.94	34.77	Pass	3
	DFT-s-OFDM 16QAM		Edge_Full_Left	22.54	23.39	34.77	Pass	3
			Edge_Full_Right	22.28	23.13	34.77	Pass	3
			Edge_1RB_Left	22.17	23.02	34.77	Pass	3
			Edge_1RB_Right	22.53	23.38	34.77	Pass	3
			Outer_Full	22.53	23.38	34.77	Pass	3
			Inner_Full	23.43	24.28	34.77	Pass	3
			Inner_1RB_Left	23.2	24.05	34.77	Pass	3
			Inner_1RB_Right	23.15	24	34.77	Pass	3
	DFT-s-OFDM 64QAM		Edge_Full_Left	22.34	23.19	34.77	Pass	3
			Edge_Full_Right	22.27	23.12	34.77	Pass	3
			Edge_1RB_Left	22.14	22.99	34.77	Pass	3
			Edge_1RB_Right	22.31	23.16	34.77	Pass	3
			Outer_Full	22.3	23.15	34.77	Pass	3
			Inner_Full	22	22.85	34.77	Pass	3
			Inner_1RB_Left	22.05	22.9	34.77	Pass	3
			Inner_1RB_Right	22.14	22.99	34.77	Pass	3
	DFT-s-OFDM 256QAM		Edge_Full_Left	20.4	21.25	34.77	Pass	3
			Edge_Full_Right	20.17	21.02	34.77	Pass	3
			Edge_1RB_Left	20.01	20.86	34.77	Pass	3
			Edge_1RB_Right	20.09	20.94	34.77	Pass	3
			Outer_Full	20	20.85	34.77	Pass	3
			Inner_Full	19.94	20.79	34.77	Pass	3
			Inner_1RB_Left	20.15	21	34.77	Pass	3
			Inner_1RB_Right	20.25	21.1	34.77	Pass	3
	CP-OFDM QPSK		Edge_Full_Left	21.46	22.31	34.77	Pass	3
			Edge_Full_Right	21.54	22.39	34.77	Pass	3
			Edge_1RB_Left	20.99	21.84	34.77	Pass	3
			Edge_1RB_Right	21.17	22.02	34.77	Pass	3
			Outer_Full	21.63	22.48	34.77	Pass	3
			Inner_Full	23.06	23.91	34.77	Pass	3
			Inner_1RB_Left	22.94	23.79	34.77	Pass	3
			Inner_1RB_Right	22.89	23.74	34.77	Pass	3
	CP-OFDM 16QAM		Edge_Full_Left	21.33	22.18	34.77	Pass	3
			Edge_Full_Right	21.29	22.14	34.77	Pass	3
			Edge_1RB_Left	21.62	22.47	34.77	Pass	3
			Edge_1RB_Right	21.77	22.62	34.77	Pass	3
			Outer_Full	21.65	22.5	34.77	Pass	3

			Inner_Full	22.6	23.45	34.77	Pass	3
			Inner_1RB_Left	22.63	23.48	34.77	Pass	3
			Inner_1RB_Right	22.73	23.58	34.77	Pass	3
	CP-OFDM 64QAM		Edge_Full_Left	20.54	21.39	34.77	Pass	3
			Edge_Full_Right	20.72	21.57	34.77	Pass	3
			Edge_1RB_Left	20.99	21.84	34.77	Pass	3
			Edge_1RB_Right	21.05	21.9	34.77	Pass	3
			Outer_Full	21.27	22.12	34.77	Pass	3
			Inner_Full	21.07	21.92	34.77	Pass	3
			Inner_1RB_Left	20.8	21.65	34.77	Pass	3
			Inner_1RB_Right	21.02	21.87	34.77	Pass	3
	CP-OFDM 256QAM		Edge_Full_Left	18.23	19.08	34.77	Pass	3
			Edge_Full_Right	18.26	19.11	34.77	Pass	3
			Edge_1RB_Left	18.43	19.28	34.77	Pass	3
			Edge_1RB_Right	18.41	19.26	34.77	Pass	3
			Outer_Full	18.16	19.01	34.77	Pass	3
			Inner_Full	17.74	18.59	34.77	Pass	3
			Inner_1RB_Left	18.65	19.5	34.77	Pass	3
			Inner_1RB_Right	18.59	19.44	34.77	Pass	3
	DFT-s-OFDM PI/2 BPSK	784.5MHz	Edge_Full_Left	23.84	24.69	34.77	Pass	3
			Edge_Full_Right	24.1	24.95	34.77	Pass	3
			Edge_1RB_Left	23.65	24.5	34.77	Pass	3
			Edge_1RB_Right	24	24.85	34.77	Pass	3
			Outer_Full	24.1	24.95	34.77	Pass	3
			Inner_Full	24.35	25.2	34.77	Pass	3
			Inner_1RB_Left	24.2	25.05	34.77	Pass	3
			Inner_1RB_Right	24.22	25.07	34.77	Pass	3
	DFT-s-OFDM QPSK		Edge_Full_Left	23.75	24.6	34.77	Pass	3
			Edge_Full_Right	22.66	23.51	34.77	Pass	3
			Edge_1RB_Left	23.18	24.03	34.77	Pass	3
			Edge_1RB_Right	22.93	23.78	34.77	Pass	3
			Outer_Full	23.5	24.35	34.77	Pass	3
			Inner_Full	24.52	25.37	34.77	Pass	3
			Inner_1RB_Left	24.24	25.09	34.77	Pass	3
			Inner_1RB_Right	23.54	24.39	34.77	Pass	3
	DFT-s-OFDM 16QAM		Edge_Full_Left	22.37	23.22	34.77	Pass	3
			Edge_Full_Right	21.56	22.41	34.77	Pass	3
			Edge_1RB_Left	22.26	23.11	34.77	Pass	3
			Edge_1RB_Right	21.76	22.61	34.77	Pass	3
			Outer_Full	22.27	23.12	34.77	Pass	3
			Inner_Full	23.47	24.32	34.77	Pass	3
			Inner_1RB_Left	23.04	23.89	34.77	Pass	3
			Inner_1RB_Right	22.77	23.62	34.77	Pass	3

	DFT-s-OFDM 64QAM		Edge_Full_Left	22.2	23.05	34.77	Pass	3
			Edge_Full_Right	21.32	22.17	34.77	Pass	3
			Edge_1RB_Left	21.96	22.81	34.77	Pass	3
			Edge_1RB_Right	21.15	22	34.77	Pass	3
			Outer_Full	21.77	22.62	34.77	Pass	3
			Inner_Full	21.82	22.67	34.77	Pass	3
			Inner_1RB_Left	21.9	22.75	34.77	Pass	3
			Inner_1RB_Right	21.18	22.03	34.77	Pass	3
	DFT-s-OFDM 256QAM		Edge_Full_Left	20.32	21.17	34.77	Pass	3
			Edge_Full_Right	19.47	20.32	34.77	Pass	3
			Edge_1RB_Left	20.4	21.25	34.77	Pass	3
			Edge_1RB_Right	19.78	20.63	34.77	Pass	3
			Outer_Full	20.16	21.01	34.77	Pass	3
			Inner_Full	20.1	20.95	34.77	Pass	3
			Inner_1RB_Left	20.19	21.04	34.77	Pass	3
			Inner_1RB_Right	19.84	20.69	34.77	Pass	3
	CP-OFDM QPSK		Edge_Full_Left	22.03	22.88	34.77	Pass	3
			Edge_Full_Right	21.44	22.29	34.77	Pass	3
			Edge_1RB_Left	21.62	22.47	34.77	Pass	3
			Edge_1RB_Right	21.5	22.35	34.77	Pass	3
			Outer_Full	21.61	22.46	34.77	Pass	3
			Inner_Full	22.57	23.42	34.77	Pass	3
			Inner_1RB_Left	23.17	24.02	34.77	Pass	3
			Inner_1RB_Right	22.24	23.09	34.77	Pass	3
	CP-OFDM 16QAM		Edge_Full_Left	21.64	22.49	34.77	Pass	3
			Edge_Full_Right	21.35	22.2	34.77	Pass	3
			Edge_1RB_Left	21.69	22.54	34.77	Pass	3
			Edge_1RB_Right	21.73	22.58	34.77	Pass	3
			Outer_Full	21.78	22.63	34.77	Pass	3
			Inner_Full	22.62	23.47	34.77	Pass	3
			Inner_1RB_Left	22.88	23.73	34.77	Pass	3
			Inner_1RB_Right	21.84	22.69	34.77	Pass	3
	CP-OFDM 64QAM		Edge_Full_Left	20.69	21.54	34.77	Pass	3
			Edge_Full_Right	21.23	22.08	34.77	Pass	3
			Edge_1RB_Left	21.24	22.09	34.77	Pass	3
			Edge_1RB_Right	21.38	22.23	34.77	Pass	3
			Outer_Full	21.49	22.34	34.77	Pass	3
			Inner_Full	21.11	21.96	34.77	Pass	3
			Inner_1RB_Left	21.02	21.87	34.77	Pass	3
			Inner_1RB_Right	21.07	21.92	34.77	Pass	3
	CP-OFDM 256QAM		Edge_Full_Left	18.81	19.66	34.77	Pass	3
			Edge_Full_Right	18.55	19.4	34.77	Pass	3
			Edge_1RB_Left	18.94	19.79	34.77	Pass	3

			Edge_1RB_Right	18.84	19.69	34.77	Pass	3
			Outer_Full	18.24	19.09	34.77	Pass	3
			Inner_Full	18.14	18.99	34.77	Pass	3
			Inner_1RB_Left	18.63	19.48	34.77	Pass	3
			Inner_1RB_Right	18.6	19.45	34.77	Pass	3
	DFT-s-OFDM PI/2 BPSK	782MHz	Edge_Full_Left	23.7	24.55	34.77	Pass	3
			Edge_Full_Right	23.81	24.66	34.77	Pass	3
			Edge_1RB_Left	23.59	24.44	34.77	Pass	3
			Edge_1RB_Right	23.65	24.5	34.77	Pass	3
			Outer_Full	23.86	24.71	34.77	Pass	3
			Inner_Full	23.93	24.78	34.77	Pass	3
			Inner_1RB_Left	23.64	24.49	34.77	Pass	3
			Inner_1RB_Right	23.98	24.83	34.77	Pass	3
	DFT-s-OFDM QPSK		Edge_Full_Left	23.47	24.32	34.77	Pass	3
			Edge_Full_Right	23.43	24.28	34.77	Pass	3
			Edge_1RB_Left	23.28	24.13	34.77	Pass	3
			Edge_1RB_Right	23.25	24.1	34.77	Pass	3
			Outer_Full	23.38	24.23	34.77	Pass	3
			Inner_Full	24	24.85	34.77	Pass	3
			Inner_1RB_Left	23.86	24.71	34.77	Pass	3
			Inner_1RB_Right	23.58	24.43	34.77	Pass	3
	DFT-s-OFDM 16QAM		Edge_Full_Left	22.35	23.2	34.77	Pass	3
			Edge_Full_Right	22.15	23	34.77	Pass	3
			Edge_1RB_Left	22.14	22.99	34.77	Pass	3
			Edge_1RB_Right	22.28	23.13	34.77	Pass	3
			Outer_Full	22.49	23.34	34.77	Pass	3
			Inner_Full	23.29	24.14	34.77	Pass	3
			Inner_1RB_Left	22.98	23.83	34.77	Pass	3
			Inner_1RB_Right	23.06	23.91	34.77	Pass	3
	DFT-s-OFDM 64QAM		Edge_Full_Left	22.05	22.9	34.77	Pass	3
			Edge_Full_Right	22.15	23	34.77	Pass	3
			Edge_1RB_Left	21.93	22.78	34.77	Pass	3
			Edge_1RB_Right	21.89	22.74	34.77	Pass	3
			Outer_Full	22	22.85	34.77	Pass	3
			Inner_Full	21.8	22.65	34.77	Pass	3
			Inner_1RB_Left	21.99	22.84	34.77	Pass	3
			Inner_1RB_Right	22.02	22.87	34.77	Pass	3
	DFT-s-OFDM 256QAM		Edge_Full_Left	20.03	20.88	34.77	Pass	3
			Edge_Full_Right	20.06	20.91	34.77	Pass	3
			Edge_1RB_Left	19.79	20.64	34.77	Pass	3
			Edge_1RB_Right	19.69	20.54	34.77	Pass	3
			Outer_Full	19.78	20.63	34.77	Pass	3
			Inner_Full	19.72	20.57	34.77	Pass	3

			Inner_1RB_Left	19.99	20.84	34.77	Pass	3
			Inner_1RB_Right	19.98	20.83	34.77	Pass	3
	CP-OFDM QPSK		Edge_Full_Left	21.3	22.15	34.77	Pass	3
			Edge_Full_Right	21.41	22.26	34.77	Pass	3
			Edge_1RB_Left	20.83	21.68	34.77	Pass	3
			Edge_1RB_Right	20.91	21.76	34.77	Pass	3
			Outer_Full	21.51	22.36	34.77	Pass	3
			Inner_Full	22.95	23.8	34.77	Pass	3
			Inner_1RB_Left	22.68	23.53	34.77	Pass	3
			Inner_1RB_Right	22.87	23.72	34.77	Pass	3
	CP-OFDM 16QAM		Edge_Full_Left	21.31	22.16	34.77	Pass	3
			Edge_Full_Right	20.99	21.84	34.77	Pass	3
			Edge_1RB_Left	21.43	22.28	34.77	Pass	3
			Edge_1RB_Right	21.48	22.33	34.77	Pass	3
			Outer_Full	21.54	22.39	34.77	Pass	3
			Inner_Full	22.48	23.33	34.77	Pass	3
			Inner_1RB_Left	22.51	23.36	34.77	Pass	3
			Inner_1RB_Right	22.45	23.3	34.77	Pass	3
	CP-OFDM 64QAM		Edge_Full_Left	20.69	21.54	34.77	Pass	3
			Edge_Full_Right	20.58	21.43	34.77	Pass	3
			Edge_1RB_Left	20.79	21.64	34.77	Pass	3
			Edge_1RB_Right	20.68	21.53	34.77	Pass	3
			Outer_Full	20.99	21.84	34.77	Pass	3
			Inner_Full	20.91	21.76	34.77	Pass	3
			Inner_1RB_Left	20.79	21.64	34.77	Pass	3
			Inner_1RB_Right	20.86	21.71	34.77	Pass	3
	CP-OFDM 256QAM		Edge_Full_Left	18	18.85	34.77	Pass	3
			Edge_Full_Right	17.8	18.65	34.77	Pass	3
			Edge_1RB_Left	18.29	19.14	34.77	Pass	3
			Edge_1RB_Right	18.5	19.35	34.77	Pass	3
			Outer_Full	17.96	18.81	34.77	Pass	3
			Inner_Full	17.73	18.58	34.77	Pass	3
			Inner_1RB_Left	18.27	19.12	34.77	Pass	3
			Inner_1RB_Right	18.77	19.62	34.77	Pass	3

Frequency Stability

Bandwidth	Modulation	Frequency(MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Result (ppm)	Limit (ppm)	Verdict
5MHz	DFT-s-OFDM PI/2 BPSK	782	Outer_Full	20	LV	-5.2	-0.0066	2.5	Pass
					HV	5.81	0.0074	2.5	Pass
				-30	NV	8.7	0.0111	2.5	Pass
				-20	NV	8.13	0.0104	2.5	Pass
				-10	NV	1.54	0.0020	2.5	Pass
				0	NV	-1.95	-0.0025	2.5	Pass
				10	NV	-6.54	-0.0084	2.5	Pass
				20	NV	-4.35	-0.0056	2.5	Pass
				30	NV	-2.64	-0.0034	2.5	Pass
				40	NV	-2.6	-0.0033	2.5	Pass
				50	NV	-2.78	-0.0036	2.5	Pass
	CP-OFDM QPSK			20	LV	-3.94	-0.0050	2.5	Pass
					HV	7.26	0.0093	2.5	Pass
				-30	NV	-3.53	-0.0045	2.5	Pass
				-20	NV	8.82	0.0113	2.5	Pass
				-10	NV	-4.18	-0.0053	2.5	Pass
				0	NV	-8.47	-0.0108	2.5	Pass
				10	NV	-4.27	-0.0055	2.5	Pass
				20	NV	-3.21	-0.0041	2.5	Pass
				30	NV	3.7	0.0047	2.5	Pass
				40	NV	8.11	0.0104	2.5	Pass
				50	NV	8.87	0.0113	2.5	Pass
10MHz	DFT-s-OFDM PI/2 BPSK	782	Outer_Full	20	LV	-4.3	-0.0055	2.5	Pass
					HV	-4.31	-0.0055	2.5	Pass
				-30	NV	5.08	0.0065	2.5	Pass
				-20	NV	4.69	0.0060	2.5	Pass
				-10	NV	-8.89	-0.0114	2.5	Pass
				0	NV	1.7	0.0022	2.5	Pass
				10	NV	-4.34	-0.0055	2.5	Pass
				20	NV	2.08	0.0027	2.5	Pass
				30	NV	5.97	0.0076	2.5	Pass
				40	NV	5.55	0.0071	2.5	Pass
				50	NV	-3.04	-0.0039	2.5	Pass
	CP-OFDM QPSK			20	LV	5.97	0.0076	2.5	Pass
					HV	10.24	0.0131	2.5	Pass
				-30	NV	2.92	0.0037	2.5	Pass
				-20	NV	4.46	0.0057	2.5	Pass

				-10	NV	-3.2	-0.0041	2.5	Pass
				0	NV	-1.91	-0.0024	2.5	Pass
				10	NV	10.06	0.0129	2.5	Pass
				20	NV	5.39	0.0069	2.5	Pass
				30	NV	-4.88	-0.0062	2.5	Pass
				40	NV	2.29	0.0029	2.5	Pass
				50	NV	-7.1	-0.0091	2.5	Pass

Field Strength of Spurious Radiation

NR N13-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1555.0	-69.01	-13	-56.01	-72.15	2.6	5.74	Horizontal	Pass
2332.5	-69.48	-13	-56.48	-71.94	2.96	5.42	Horizontal	Pass
3110.0	-67.02	-13	-54.02	-71.02	3.2	7.2	Horizontal	Pass
1555.0	-70.63	-13	-57.63	-73.77	2.6	5.74	Vertical	Pass
2332.5	-69.83	-13	-56.83	-72.29	2.96	5.42	Vertical	Pass
3110.0	-67.39	-13	-54.39	-71.39	3.2	7.2	Vertical	Pass

NR N13-Low channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1554.5	-70.91	-13	-57.91	-74.05	2.6	5.74	Horizontal	Pass
2331.75	-70.19	-13	-57.19	-72.65	2.96	5.42	Horizontal	Pass
3109.0	-67.88	-13	-54.88	-71.87	3.2	7.19	Horizontal	Pass
1554.5	-71.28	-13	-58.28	-74.42	2.6	5.74	Vertical	Pass
2331.75	-70.26	-13	-57.26	-72.72	2.96	5.42	Vertical	Pass
3109.0	-67.7	-13	-54.7	-71.69	3.2	7.19	Vertical	Pass

NR N13-Middle channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1559.5	-70.63	-40	-30.63	-73.76	2.6	5.73	Horizontal	Pass
2339.25	-70.16	-13	-57.16	-72.63	2.96	5.43	Horizontal	Pass
3119.0	-67.52	-13	-54.52	-71.53	3.21	7.22	Horizontal	Pass
1559.5	-71.12	-40	-31.12	-74.25	2.6	5.73	Vertical	Pass
2339.25	-70.15	-13	-57.15	-72.62	2.96	5.43	Vertical	Pass
3119.0	-67.49	-13	-54.49	-71.5	3.21	7.22	Vertical	Pass

NR N13-High channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#1								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1564.5	-70.99	-40	-30.99	-74.11	2.6	5.72	Horizontal	Pass
2346.75	-69.86	-13	-56.86	-72.34	2.97	5.45	Horizontal	Pass
3129.0	-67.9	-13	-54.9	-71.93	3.21	7.24	Horizontal	Pass
1564.5	-70.65	-40	-30.65	-73.77	2.6	5.72	Vertical	Pass
2346.75	-70.02	-13	-57.02	-72.5	2.97	5.45	Vertical	Pass
3129.0	-67.77	-13	-54.77	-71.8	3.21	7.24	Vertical	Pass