

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_5M_NTNV_EIRP

5G NR n30 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2307.5	Edge_1RB_Left	22.98	/	/	21.04	/	/	/	Pass
		Edge_1RB_Right	22.82	/	/	20.88	/	/	/	Pass
		Outer_Full	22.90	/	/	20.96	/	/	/	Pass
		Inner_Full	23.11	/	/	21.17	/	/	/	Pass
		Inner_1RB_Left	23.02	/	/	21.08	/	/	/	Pass
		Inner_1RB_Right	23.42	/	/	21.48	/	/	/	Pass
	2310	Edge_1RB_Left	22.93	/	/	20.99	/	/	/	Pass
		Edge_1RB_Right	22.75	/	/	20.81	/	/	/	Pass
		Outer_Full	22.81	/	/	20.87	/	/	/	Pass
		Inner_Full	23.35	/	/	21.41	/	/	/	Pass
		Inner_1RB_Left	23.48	/	/	21.54	/	/	/	Pass
		Inner_1RB_Right	23.25	/	/	21.32	/	/	/	Pass
	2312.5	Edge_1RB_Left	22.76	/	/	20.82	/	/	/	Pass
		Edge_1RB_Right	22.57	/	/	20.63	/	/	/	Pass
		Outer_Full	22.63	/	/	20.69	/	/	/	Pass
		Inner_Full	23.25	/	/	21.31	/	/	/	Pass
		Inner_1RB_Left	23.30	/	/	21.36	/	/	/	Pass
		Inner_1RB_Right	23.13	/	/	21.19	/	/	/	Pass
DFT-s-OFDM QPSK	2307.5	Edge_1RB_Left	22.57	/	/	20.63	/	/	/	Pass
		Edge_1RB_Right	22.51	/	/	20.57	/	/	/	Pass
		Outer_Full	22.48	/	/	20.54	/	/	/	Pass
		Inner_Full	23.59	/	/	21.65	/	/	/	Pass
		Inner_1RB_Left	23.74	/	/	21.80	/	/	/	Pass
		Inner_1RB_Right	23.57	/	/	21.63	/	/	/	Pass
	2310	Edge_1RB_Left	22.57	/	/	20.63	/	/	/	Pass
		Edge_1RB_Right	22.34	/	/	20.40	/	/	/	Pass
		Outer_Full	22.38	/	/	20.44	/	/	/	Pass
		Inner_Full	23.36	/	/	21.42	/	/	/	Pass
		Inner_1RB_Left	23.66	/	/	21.72	/	/	/	Pass
		Inner_1RB_Right	23.42	/	/	21.48	/	/	/	Pass
	2312.5	Edge_1RB_Left	22.36	/	/	20.42	/	/	/	Pass
		Edge_1RB_Right	22.14	/	/	20.20	/	/	/	Pass
		Outer_Full	22.13	/	/	20.19	/	/	/	Pass
		Inner_Full	23.26	/	/	21.32	/	/	/	Pass
		Inner_1RB_Left	23.50	/	/	21.57	/	/	/	Pass
		Inner_1RB_Right	23.31	/	/	21.37	/	/	/	Pass
DFT-s-OFDM 16 QAM	2307.5	Edge_1RB_Left	21.43	/	/	19.49	/	/	/	Pass
		Edge_1RB_Right	21.28	/	/	19.34	/	/	/	Pass
		Outer_Full	21.56	/	/	19.62	/	/	/	Pass
		Inner_Full	22.55	/	/	20.61	/	/	/	Pass
		Inner_1RB_Left	22.48	/	/	20.54	/	/	/	Pass
		Inner_1RB_Right	22.34	/	/	20.40	/	/	/	Pass
	2310	Edge_1RB_Left	21.40	/	/	19.46	/	/	/	Pass
		Edge_1RB_Right	21.07	/	/	19.13	/	/	/	Pass
		Outer_Full	21.45	/	/	19.51	/	/	/	Pass
		Inner_Full	22.11	/	/	20.17	/	/	/	Pass
		Inner_1RB_Left	22.39	/	/	20.45	/	/	/	Pass
		Inner_1RB_Right	22.13	/	/	20.19	/	/	/	Pass
	2312.5	Edge_1RB_Left	21.14	/	/	19.20	/	/	/	Pass

		Edge_1RB_Right	20.93	/	/	18.99	/	/	/	Pass
		Outer_Full	21.25	/	/	19.31	/	/	/	Pass
		Inner_Full	22.19	/	/	20.25	/	/	/	Pass
		Inner_1RB_Left	22.18	/	/	20.24	/	/	/	Pass
		Inner_1RB_Right	22.05	/	/	20.11	/	/	/	Pass
DFT-s-OFDM 64 QAM	2307.5	Edge_1RB_Left	21.18	/	/	19.24	/	/	/	Pass
		Edge_1RB_Right	21.01	/	/	19.07	/	/	/	Pass
		Outer_Full	21.04	/	/	19.10	/	/	/	Pass
		Inner_Full	21.06	/	/	19.12	/	/	/	Pass
		Inner_1RB_Left	21.20	/	/	19.26	/	/	/	Pass
	2310	Inner_1RB_Right	21.04	/	/	19.10	/	/	/	Pass
		Edge_1RB_Left	20.89	/	/	18.95	/	/	/	Pass
		Edge_1RB_Right	20.62	/	/	18.68	/	/	/	Pass
		Outer_Full	20.61	/	/	18.67	/	/	/	Pass
		Inner_Full	20.68	/	/	18.74	/	/	/	Pass
	2312.5	Inner_1RB_Left	20.91	/	/	18.97	/	/	/	Pass
		Inner_1RB_Right	20.64	/	/	18.70	/	/	/	Pass
		Edge_1RB_Left	20.90	/	/	18.96	/	/	/	Pass
		Edge_1RB_Right	20.65	/	/	18.71	/	/	/	Pass
		Outer_Full	20.72	/	/	18.78	/	/	/	Pass
DFT-s-OFDM 256 QAM	2307.5	Inner_Full	20.71	/	/	18.77	/	/	/	Pass
		Inner_1RB_Left	20.91	/	/	18.97	/	/	/	Pass
		Inner_1RB_Right	20.70	/	/	18.76	/	/	/	Pass
	2310	Edge_1RB_Left	19.03	/	/	17.09	/	/	/	Pass
		Edge_1RB_Right	18.89	/	/	16.95	/	/	/	Pass
		Outer_Full	18.95	/	/	17.01	/	/	/	Pass
		Inner_Full	18.92	/	/	16.98	/	/	/	Pass
	2312.5	Inner_1RB_Left	19.09	/	/	17.15	/	/	/	Pass
		Inner_1RB_Right	18.90	/	/	16.96	/	/	/	Pass
		Edge_1RB_Left	18.76	/	/	16.82	/	/	/	Pass
		Edge_1RB_Right	18.53	/	/	16.59	/	/	/	Pass
		Outer_Full	18.63	/	/	16.69	/	/	/	Pass
CP-OFDM QPSK	2307.5	Inner_Full	18.55	/	/	16.61	/	/	/	Pass
		Inner_1RB_Left	18.85	/	/	16.91	/	/	/	Pass
		Inner_1RB_Right	18.66	/	/	16.72	/	/	/	Pass
	2310	Edge_1RB_Left	18.80	/	/	16.86	/	/	/	Pass
		Edge_1RB_Right	18.56	/	/	16.62	/	/	/	Pass
		Outer_Full	18.61	/	/	16.67	/	/	/	Pass
		Inner_Full	18.58	/	/	16.64	/	/	/	Pass
	2312.5	Inner_1RB_Left	18.78	/	/	16.84	/	/	/	Pass
		Inner_1RB_Right	18.56	/	/	16.62	/	/	/	Pass
		Edge_1RB_Left	20.18	/	/	18.24	/	/	/	Pass
		Edge_1RB_Right	20.23	/	/	18.29	/	/	/	Pass
		Outer_Full	20.44	/	/	18.50	/	/	/	Pass
	2310	Inner_Full	21.93	/	/	19.99	/	/	/	Pass
		Inner_1RB_Left	21.71	/	/	19.77	/	/	/	Pass
		Inner_1RB_Right	21.60	/	/	19.66	/	/	/	Pass
		Edge_1RB_Left	20.07	/	/	18.13	/	/	/	Pass
		Edge_1RB_Right	19.90	/	/	17.96	/	/	/	Pass
	2312.5	Outer_Full	20.10	/	/	18.16	/	/	/	Pass
		Inner_Full	21.68	/	/	19.74	/	/	/	Pass
		Inner_1RB_Left	21.45	/	/	19.51	/	/	/	Pass
		Inner_1RB_Right	21.25	/	/	19.31	/	/	/	Pass
		Edge_1RB_Left	19.93	/	/	17.99	/	/	/	Pass
		Edge_1RB_Right	19.82	/	/	17.88	/	/	/	Pass
		Outer_Full	20.07	/	/	18.13	/	/	/	Pass
		Inner_Full	21.70	/	/	19.76	/	/	/	Pass
		Inner_1RB_Left	21.36	/	/	19.42	/	/	/	Pass
		Inner_1RB_Right	21.25	/	/	19.31	/	/	/	Pass

CP-OFDM 16 QAM	2307.5	Edge_1RB_Left	20.21	/	/	18.27	/	/	/	Pass
		Edge_1RB_Right	20.19	/	/	18.25	/	/	/	Pass
		Outer_Full	20.50	/	/	18.56	/	/	/	Pass
		Inner_Full	21.43	/	/	19.49	/	/	/	Pass
		Inner_1RB_Left	21.26	/	/	19.32	/	/	/	Pass
		Inner_1RB_Right	21.17	/	/	19.23	/	/	/	Pass
	2310	Edge_1RB_Left	20.08	/	/	18.14	/	/	/	Pass
		Edge_1RB_Right	19.87	/	/	17.93	/	/	/	Pass
		Outer_Full	20.22	/	/	18.28	/	/	/	Pass
		Inner_Full	21.22	/	/	19.28	/	/	/	Pass
		Inner_1RB_Left	21.07	/	/	19.13	/	/	/	Pass
		Inner_1RB_Right	20.82	/	/	18.88	/	/	/	Pass
	2312.5	Edge_1RB_Left	19.91	/	/	17.97	/	/	/	Pass
		Edge_1RB_Right	19.85	/	/	17.91	/	/	/	Pass
		Outer_Full	20.19	/	/	18.25	/	/	/	Pass
		Inner_Full	21.09	/	/	19.15	/	/	/	Pass
		Inner_1RB_Left	20.93	/	/	18.99	/	/	/	Pass
		Inner_1RB_Right	20.83	/	/	18.89	/	/	/	Pass
CP-OFDM 64 QAM	2307.5	Edge_1RB_Left	20.25	/	/	18.31	/	/	/	Pass
		Edge_1RB_Right	20.16	/	/	18.22	/	/	/	Pass
		Outer_Full	19.99	/	/	18.05	/	/	/	Pass
		Inner_Full	19.87	/	/	17.93	/	/	/	Pass
		Inner_1RB_Left	20.29	/	/	18.35	/	/	/	Pass
		Inner_1RB_Right	20.14	/	/	18.20	/	/	/	Pass
	2310	Edge_1RB_Left	20.02	/	/	18.08	/	/	/	Pass
		Edge_1RB_Right	19.88	/	/	17.94	/	/	/	Pass
		Outer_Full	19.79	/	/	17.85	/	/	/	Pass
		Inner_Full	19.64	/	/	17.70	/	/	/	Pass
		Inner_1RB_Left	20.08	/	/	18.14	/	/	/	Pass
		Inner_1RB_Right	19.87	/	/	17.93	/	/	/	Pass
	2312.5	Edge_1RB_Left	19.95	/	/	18.01	/	/	/	Pass
		Edge_1RB_Right	19.82	/	/	17.88	/	/	/	Pass
		Outer_Full	19.66	/	/	17.72	/	/	/	Pass
		Inner_Full	19.56	/	/	17.62	/	/	/	Pass
		Inner_1RB_Left	19.96	/	/	18.02	/	/	/	Pass
		Inner_1RB_Right	19.81	/	/	17.87	/	/	/	Pass
CP-OFDM 256 QAM	2307.5	Edge_1RB_Left	16.91	/	/	14.97	/	/	/	Pass
		Edge_1RB_Right	16.86	/	/	14.93	/	/	/	Pass
		Outer_Full	16.93	/	/	14.99	/	/	/	Pass
		Inner_Full	16.84	/	/	14.90	/	/	/	Pass
		Inner_1RB_Left	16.97	/	/	15.03	/	/	/	Pass
		Inner_1RB_Right	16.88	/	/	14.94	/	/	/	Pass
	2310	Edge_1RB_Left	16.79	/	/	14.85	/	/	/	Pass
		Edge_1RB_Right	16.55	/	/	14.61	/	/	/	Pass
		Outer_Full	16.66	/	/	14.72	/	/	/	Pass
		Inner_Full	16.57	/	/	14.63	/	/	/	Pass
		Inner_1RB_Left	16.80	/	/	14.86	/	/	/	Pass
		Inner_1RB_Right	16.59	/	/	14.65	/	/	/	Pass
	2312.5	Edge_1RB_Left	16.68	/	/	14.74	/	/	/	Pass
		Edge_1RB_Right	16.52	/	/	14.58	/	/	/	Pass
		Outer_Full	16.57	/	/	14.63	/	/	/	Pass
		Inner_Full	16.49	/	/	14.55	/	/	/	Pass
		Inner_1RB_Left	16.71	/	/	14.77	/	/	/	Pass
		Inner_1RB_Right	16.56	/	/	14.62	/	/	/	Pass
Note1: Antenna Gain: Ant7: -1.94dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15_S_5M_NTNV_EIRP(dBm/5MHz)

5G NR n30 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/5MHz)			EIRP(dBm/5MHz)				Verdict
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2307.5	Edge_1RB_Left	23.24	/	/	21.30	/	/	/	Pass
		Edge_1RB_Right	23.01	/	/	21.07	/	/	/	Pass
		Outer_Full	23.17	/	/	21.23	/	/	/	Pass
		Inner_Full	23.83	/	/	21.89	/	/	/	Pass
		Inner_1RB_Left	23.69	/	/	21.75	/	/	/	Pass
		Inner_1RB_Right	23.74	/	/	21.80	/	/	/	Pass
	2310	Edge_1RB_Left	23.26	/	/	21.32	/	/	/	Pass
		Edge_1RB_Right	23.06	/	/	21.12	/	/	/	Pass
		Outer_Full	23.18	/	/	21.24	/	/	/	Pass
		Inner_Full	23.68	/	/	21.74	/	/	/	Pass
		Inner_1RB_Left	23.83	/	/	21.89	/	/	/	Pass
		Inner_1RB_Right	23.53	/	/	21.59	/	/	/	Pass
	2312.5	Edge_1RB_Left	23.04	/	/	21.10	/	/	/	Pass
		Edge_1RB_Right	22.67	/	/	20.73	/	/	/	Pass
		Outer_Full	22.85	/	/	20.91	/	/	/	Pass
		Inner_Full	23.47	/	/	21.53	/	/	/	Pass
		Inner_1RB_Left	23.54	/	/	21.60	/	/	/	Pass
		Inner_1RB_Right	23.32	/	/	21.38	/	/	/	Pass
DFT-s-OFDM QPSK	2307.5	Edge_1RB_Left	22.79	/	/	20.85	/	/	/	Pass
		Edge_1RB_Right	22.62	/	/	20.68	/	/	/	Pass
		Outer_Full	22.69	/	/	20.75	/	/	/	Pass
		Inner_Full	23.75	/	/	21.81	/	/	/	Pass
		Inner_1RB_Left	24.03	/	/	22.09	/	/	/	Pass
		Inner_1RB_Right	23.82	/	/	21.88	/	/	/	Pass
	2310	Edge_1RB_Left	23.03	/	/	21.09	/	/	/	Pass
		Edge_1RB_Right	22.64	/	/	20.70	/	/	/	Pass
		Outer_Full	22.76	/	/	20.82	/	/	/	Pass
		Inner_Full	23.78	/	/	21.84	/	/	/	Pass
		Inner_1RB_Left	24.14	/	/	22.20	/	/	/	Pass
		Inner_1RB_Right	23.69	/	/	21.75	/	/	/	Pass
	2312.5	Edge_1RB_Left	22.24	/	/	20.30	/	/	/	Pass
		Edge_1RB_Right	22.03	/	/	20.09	/	/	/	Pass
		Outer_Full	22.08	/	/	20.14	/	/	/	Pass
		Inner_Full	23.23	/	/	21.29	/	/	/	Pass
		Inner_1RB_Left	23.41	/	/	21.47	/	/	/	Pass
		Inner_1RB_Right	23.13	/	/	21.19	/	/	/	Pass
DFT-s-OFDM 16 QAM	2307.5	Edge_1RB_Left	21.71	/	/	19.77	/	/	/	Pass
		Edge_1RB_Right	21.42	/	/	19.48	/	/	/	Pass
		Outer_Full	21.74	/	/	19.80	/	/	/	Pass
		Inner_Full	22.80	/	/	20.86	/	/	/	Pass
		Inner_1RB_Left	22.61	/	/	20.67	/	/	/	Pass
		Inner_1RB_Right	22.40	/	/	20.46	/	/	/	Pass
	2310	Edge_1RB_Left	21.69	/	/	19.75	/	/	/	Pass
		Edge_1RB_Right	21.49	/	/	19.55	/	/	/	Pass
		Outer_Full	21.73	/	/	19.79	/	/	/	Pass
		Inner_Full	22.32	/	/	20.38	/	/	/	Pass
		Inner_1RB_Left	22.79	/	/	20.85	/	/	/	Pass
		Inner_1RB_Right	21.90	/	/	19.96	/	/	/	Pass
	2312.5	Edge_1RB_Left	21.08	/	/	19.14	/	/	/	Pass
		Edge_1RB_Right	20.81	/	/	18.87	/	/	/	Pass
		Outer_Full	21.14	/	/	19.20	/	/	/	Pass
		Inner_Full	22.07	/	/	20.13	/	/	/	Pass
		Inner_1RB_Left	22.13	/	/	20.19	/	/	/	Pass
		Inner_1RB_Right	22.01	/	/	20.07	/	/	/	Pass
DFT-s-OFDM 64 QAM	2307.5	Edge_1RB_Left	21.46	/	/	19.52	/	/	/	Pass
		Edge_1RB_Right	21.19	/	/	19.25	/	/	/	Pass

		Outer_Full	21.31	/	/	19.37	/	/	/	Pass
		Inner_Full	21.26	/	/	19.32	/	/	/	Pass
		Inner_1RB_Left	21.36	/	/	19.42	/	/	/	Pass
		Inner_1RB_Right	21.22	/	/	19.28	/	/	/	Pass
	2310	Edge_1RB_Left	20.91	/	/	18.97	/	/	/	Pass
		Edge_1RB_Right	20.78	/	/	18.84	/	/	/	Pass
		Outer_Full	20.83	/	/	18.89	/	/	/	Pass
		Inner_Full	20.89	/	/	18.95	/	/	/	Pass
		Inner_1RB_Left	20.98	/	/	19.04	/	/	/	Pass
		Inner_1RB_Right	20.82	/	/	18.88	/	/	/	Pass
	2312.5	Edge_1RB_Left	20.83	/	/	18.89	/	/	/	Pass
		Edge_1RB_Right	20.53	/	/	18.59	/	/	/	Pass
		Outer_Full	20.65	/	/	18.71	/	/	/	Pass
		Inner_Full	20.65	/	/	18.71	/	/	/	Pass
		Inner_1RB_Left	20.80	/	/	18.86	/	/	/	Pass
		Inner_1RB_Right	20.47	/	/	18.53	/	/	/	Pass
DFT-s-OFDM 256 QAM	2307.5	Edge_1RB_Left	19.16	/	/	17.22	/	/	/	Pass
		Edge_1RB_Right	19.11	/	/	17.17	/	/	/	Pass
		Outer_Full	19.14	/	/	17.20	/	/	/	Pass
		Inner_Full	19.18	/	/	17.24	/	/	/	Pass
		Inner_1RB_Left	19.33	/	/	17.39	/	/	/	Pass
		Inner_1RB_Right	19.14	/	/	17.20	/	/	/	Pass
	2310	Edge_1RB_Left	18.98	/	/	17.04	/	/	/	Pass
		Edge_1RB_Right	18.70	/	/	16.76	/	/	/	Pass
		Outer_Full	18.78	/	/	16.84	/	/	/	Pass
		Inner_Full	18.75	/	/	16.81	/	/	/	Pass
		Inner_1RB_Left	19.08	/	/	17.14	/	/	/	Pass
		Inner_1RB_Right	18.56	/	/	16.62	/	/	/	Pass
	2312.5	Edge_1RB_Left	18.58	/	/	16.64	/	/	/	Pass
		Edge_1RB_Right	18.39	/	/	16.45	/	/	/	Pass
		Outer_Full	18.57	/	/	16.63	/	/	/	Pass
		Inner_Full	18.51	/	/	16.57	/	/	/	Pass
		Inner_1RB_Left	18.70	/	/	16.76	/	/	/	Pass
		Inner_1RB_Right	18.66	/	/	16.72	/	/	/	Pass
CP-OFDM QPSK	2307.5	Edge_1RB_Left	20.35	/	/	18.41	/	/	/	Pass
		Edge_1RB_Right	20.30	/	/	18.36	/	/	/	Pass
		Outer_Full	20.63	/	/	18.69	/	/	/	Pass
		Inner_Full	22.11	/	/	20.17	/	/	/	Pass
		Inner_1RB_Left	21.96	/	/	20.02	/	/	/	Pass
		Inner_1RB_Right	21.75	/	/	19.81	/	/	/	Pass
	2310	Edge_1RB_Left	20.26	/	/	18.32	/	/	/	Pass
		Edge_1RB_Right	19.86	/	/	17.92	/	/	/	Pass
		Outer_Full	20.28	/	/	18.34	/	/	/	Pass
		Inner_Full	21.86	/	/	19.92	/	/	/	Pass
		Inner_1RB_Left	21.53	/	/	19.59	/	/	/	Pass
		Inner_1RB_Right	21.40	/	/	19.46	/	/	/	Pass
	2312.5	Edge_1RB_Left	20.02	/	/	18.08	/	/	/	Pass
		Edge_1RB_Right	19.80	/	/	17.86	/	/	/	Pass
		Outer_Full	20.05	/	/	18.11	/	/	/	Pass
		Inner_Full	21.63	/	/	19.69	/	/	/	Pass
		Inner_1RB_Left	21.39	/	/	19.45	/	/	/	Pass
		Inner_1RB_Right	21.16	/	/	19.22	/	/	/	Pass
CP-OFDM 16 QAM	2307.5	Edge_1RB_Left	20.41	/	/	18.47	/	/	/	Pass
		Edge_1RB_Right	20.34	/	/	18.40	/	/	/	Pass
		Outer_Full	20.69	/	/	18.75	/	/	/	Pass
		Inner_Full	21.64	/	/	19.70	/	/	/	Pass
		Inner_1RB_Left	21.60	/	/	19.66	/	/	/	Pass
		Inner_1RB_Right	21.40	/	/	19.46	/	/	/	Pass
	2310	Edge_1RB_Left	20.45	/	/	18.51	/	/	/	Pass

		Edge_1RB_Right	19.92	/	/	17.98	/	/	/	Pass
		Outer_Full	20.32	/	/	18.38	/	/	/	Pass
		Inner_Full	21.40	/	/	19.46	/	/	/	Pass
		Inner_1RB_Left	21.38	/	/	19.44	/	/	/	Pass
		Inner_1RB_Right	20.85	/	/	18.91	/	/	/	Pass
	2312.5	Edge_1RB_Left	19.95	/	/	18.01	/	/	/	Pass
		Edge_1RB_Right	19.73	/	/	17.79	/	/	/	Pass
		Outer_Full	20.14	/	/	18.20	/	/	/	Pass
		Inner_Full	21.08	/	/	19.14	/	/	/	Pass
		Inner_1RB_Left	21.10	/	/	19.16	/	/	/	Pass
		Inner_1RB_Right	20.74	/	/	18.80	/	/	/	Pass
CP-OFDM 64 QAM	2307.5	Edge_1RB_Left	20.60	/	/	18.66	/	/	/	Pass
		Edge_1RB_Right	20.51	/	/	18.57	/	/	/	Pass
		Outer_Full	20.23	/	/	18.29	/	/	/	Pass
		Inner_Full	19.96	/	/	18.02	/	/	/	Pass
		Inner_1RB_Left	20.55	/	/	18.61	/	/	/	Pass
		Inner_1RB_Right	20.38	/	/	18.44	/	/	/	Pass
	2310	Edge_1RB_Left	20.29	/	/	18.35	/	/	/	Pass
		Edge_1RB_Right	20.03	/	/	18.09	/	/	/	Pass
		Outer_Full	19.92	/	/	17.98	/	/	/	Pass
		Inner_Full	19.80	/	/	17.86	/	/	/	Pass
		Inner_1RB_Left	20.32	/	/	18.38	/	/	/	Pass
		Inner_1RB_Right	19.99	/	/	18.05	/	/	/	Pass
	2312.5	Edge_1RB_Left	19.90	/	/	17.96	/	/	/	Pass
		Edge_1RB_Right	19.69	/	/	17.75	/	/	/	Pass
		Outer_Full	19.72	/	/	17.78	/	/	/	Pass
		Inner_Full	19.51	/	/	17.57	/	/	/	Pass
		Inner_1RB_Left	20.11	/	/	18.17	/	/	/	Pass
		Inner_1RB_Right	19.76	/	/	17.82	/	/	/	Pass
CP-OFDM 256 QAM	2307.5	Edge_1RB_Left	17.33	/	/	15.39	/	/	/	Pass
		Edge_1RB_Right	17.23	/	/	15.29	/	/	/	Pass
		Outer_Full	17.14	/	/	15.20	/	/	/	Pass
		Inner_Full	17.10	/	/	15.16	/	/	/	Pass
		Inner_1RB_Left	17.29	/	/	15.35	/	/	/	Pass
		Inner_1RB_Right	16.99	/	/	15.05	/	/	/	Pass
	2310	Edge_1RB_Left	17.27	/	/	15.33	/	/	/	Pass
		Edge_1RB_Right	16.81	/	/	14.87	/	/	/	Pass
		Outer_Full	16.79	/	/	14.85	/	/	/	Pass
		Inner_Full	16.76	/	/	14.82	/	/	/	Pass
		Inner_1RB_Left	17.03	/	/	15.09	/	/	/	Pass
		Inner_1RB_Right	16.63	/	/	14.69	/	/	/	Pass
	2312.5	Edge_1RB_Left	16.69	/	/	14.75	/	/	/	Pass
		Edge_1RB_Right	16.18	/	/	14.24	/	/	/	Pass
		Outer_Full	16.60	/	/	14.66	/	/	/	Pass
		Inner_Full	16.45	/	/	14.51	/	/	/	Pass
		Inner_1RB_Left	16.71	/	/	14.77	/	/	/	Pass
		Inner_1RB_Right	16.65	/	/	14.71	/	/	/	Pass
Note1: Antenna Gain: Ant7: -1.94dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15_S_10M_NTNV_EIRP

5G NR n30 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Edge_1RB_Left	23.02	/	/	21.08	/	/	/	Pass
		Edge_1RB_Right	22.61	/	/	20.67	/	/	/	Pass
		Outer_Full	22.82	/	/	20.88	/	/	/	Pass

		Inner_Full	23.41	/	/	21.47	/	/	/	Pass
		Inner_1RB_Left	23.16	/	/	21.23	/	/	/	Pass
		Inner_1RB_Right	23.18	/	/	21.24	/	/	/	Pass
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	22.73	/	/	20.79	/	/	/	Pass
		Edge_1RB_Right	22.26	/	/	20.32	/	/	/	Pass
		Outer_Full	22.40	/	/	20.46	/	/	/	Pass
		Inner_Full	23.41	/	/	21.48	/	/	/	Pass
		Inner_1RB_Left	23.85	/	/	21.91	/	/	/	Pass
		Inner_1RB_Right	23.41	/	/	21.47	/	/	/	Pass
DFT-s-OFDM 16 QAM	2310	Edge_1RB_Left	21.51	/	/	19.57	/	/	/	Pass
		Edge_1RB_Right	21.04	/	/	19.10	/	/	/	Pass
		Outer_Full	21.43	/	/	19.49	/	/	/	Pass
		Inner_Full	22.41	/	/	20.48	/	/	/	Pass
		Inner_1RB_Left	22.51	/	/	20.57	/	/	/	Pass
		Inner_1RB_Right	22.14	/	/	20.21	/	/	/	Pass
DFT-s-OFDM 64 QAM	2310	Edge_1RB_Left	21.18	/	/	19.24	/	/	/	Pass
		Edge_1RB_Right	20.71	/	/	18.77	/	/	/	Pass
		Outer_Full	20.88	/	/	18.94	/	/	/	Pass
		Inner_Full	20.94	/	/	19.00	/	/	/	Pass
		Inner_1RB_Left	21.21	/	/	19.27	/	/	/	Pass
		Inner_1RB_Right	20.81	/	/	18.87	/	/	/	Pass
DFT-s-OFDM 256 QAM	2310	Edge_1RB_Left	19.09	/	/	17.15	/	/	/	Pass
		Edge_1RB_Right	18.64	/	/	16.70	/	/	/	Pass
		Outer_Full	18.87	/	/	16.93	/	/	/	Pass
		Inner_Full	18.77	/	/	16.83	/	/	/	Pass
		Inner_1RB_Left	19.15	/	/	17.21	/	/	/	Pass
		Inner_1RB_Right	18.72	/	/	16.78	/	/	/	Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	20.14	/	/	18.20	/	/	/	Pass
		Edge_1RB_Right	19.90	/	/	17.96	/	/	/	Pass
		Outer_Full	20.27	/	/	18.33	/	/	/	Pass
		Inner_Full	21.91	/	/	19.97	/	/	/	Pass
		Inner_1RB_Left	21.63	/	/	19.69	/	/	/	Pass
		Inner_1RB_Right	21.87	/	/	19.93	/	/	/	Pass
CP-OFDM 16 QAM	2310	Edge_1RB_Left	19.89	/	/	17.95	/	/	/	Pass
		Edge_1RB_Right	19.86	/	/	17.92	/	/	/	Pass
		Outer_Full	20.28	/	/	18.34	/	/	/	Pass
		Inner_Full	21.23	/	/	19.29	/	/	/	Pass
		Inner_1RB_Left	21.23	/	/	19.29	/	/	/	Pass
		Inner_1RB_Right	20.80	/	/	18.86	/	/	/	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	19.96	/	/	18.02	/	/	/	Pass
		Edge_1RB_Right	19.67	/	/	17.73	/	/	/	Pass
		Outer_Full	19.96	/	/	18.02	/	/	/	Pass
		Inner_Full	19.97	/	/	18.03	/	/	/	Pass
		Inner_1RB_Left	20.29	/	/	18.35	/	/	/	Pass
		Inner_1RB_Right	19.83	/	/	17.89	/	/	/	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	16.99	/	/	15.05	/	/	/	Pass
		Edge_1RB_Right	17.38	/	/	15.44	/	/	/	Pass
		Outer_Full	17.16	/	/	15.22	/	/	/	Pass
		Inner_Full	16.93	/	/	14.99	/	/	/	Pass
		Inner_1RB_Left	16.81	/	/	14.87	/	/	/	Pass
		Inner_1RB_Right	16.55	/	/	14.61	/	/	/	Pass
Note1: Antenna Gain: Ant7: -1.94dBi; Note2: EIRP=Conducted Power+Antenna Gain										

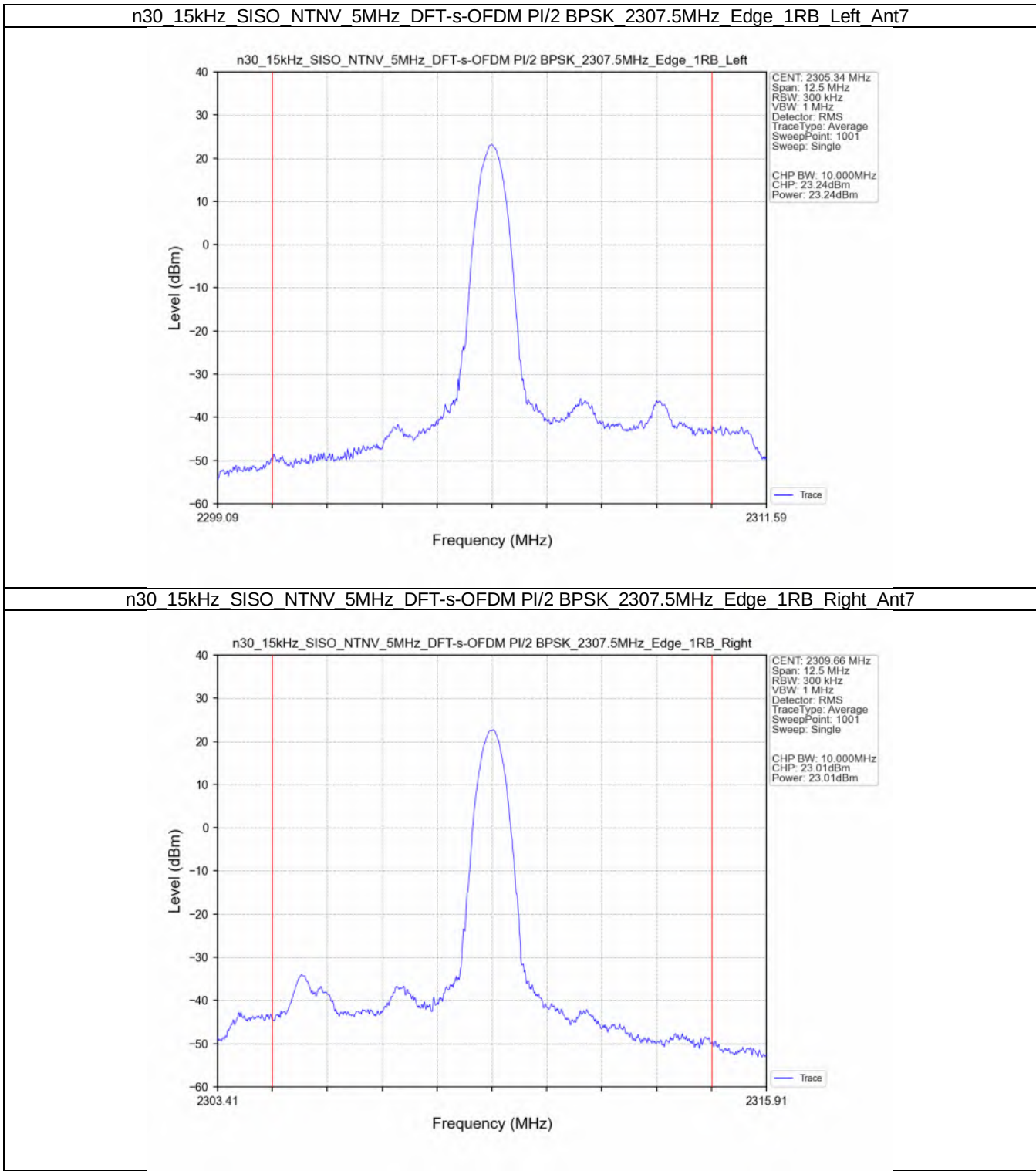
1.1.4 15_S_10M_NTNV_EIRP(dBm/5MHz)

5G NR n30 SCS=15kHz SISO 10MHz NTN					
Modulation	Frequency	RB	Conducted Power(dBm/5MHz)	EIRP(dBm/5MHz)	Verdict

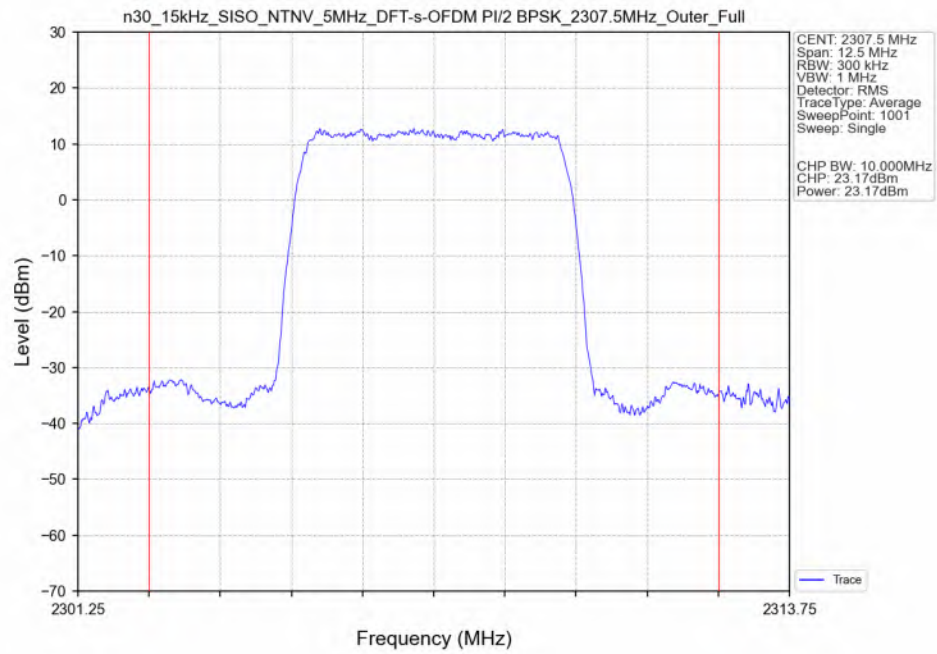
	(MHz)	Allocation	Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Edge_1RB_Left	23.22	/	/	21.28	/	/	/	Pass
		Edge_1RB_Right	22.79	/	/	20.85	/	/	/	Pass
		Outer_Full	23.14	/	/	21.20	/	/	/	Pass
		Inner_Full	23.75	/	/	21.81	/	/	/	Pass
		Inner_1RB_Left	23.86	/	/	21.92	/	/	/	Pass
		Inner_1RB_Right	23.29	/	/	21.35	/	/	/	Pass
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	22.87	/	/	20.93	/	/	/	Pass
		Edge_1RB_Right	22.12	/	/	20.18	/	/	/	Pass
		Outer_Full	22.49	/	/	20.55	/	/	/	Pass
		Inner_Full	23.64	/	/	21.70	/	/	/	Pass
		Inner_1RB_Left	23.85	/	/	21.91	/	/	/	Pass
		Inner_1RB_Right	23.27	/	/	21.33	/	/	/	Pass
DFT-s-OFDM 16 QAM	2310	Edge_1RB_Left	21.73	/	/	19.79	/	/	/	Pass
		Edge_1RB_Right	21.12	/	/	19.18	/	/	/	Pass
		Outer_Full	21.33	/	/	19.39	/	/	/	Pass
		Inner_Full	22.39	/	/	20.45	/	/	/	Pass
		Inner_1RB_Left	22.58	/	/	20.64	/	/	/	Pass
		Inner_1RB_Right	22.14	/	/	20.20	/	/	/	Pass
DFT-s-OFDM 64 QAM	2310	Edge_1RB_Left	21.20	/	/	19.26	/	/	/	Pass
		Edge_1RB_Right	20.63	/	/	18.69	/	/	/	Pass
		Outer_Full	20.88	/	/	18.94	/	/	/	Pass
		Inner_Full	20.91	/	/	18.97	/	/	/	Pass
		Inner_1RB_Left	21.08	/	/	19.14	/	/	/	Pass
		Inner_1RB_Right	20.59	/	/	18.65	/	/	/	Pass
DFT-s-OFDM 256 QAM	2310	Edge_1RB_Left	19.09	/	/	17.15	/	/	/	Pass
		Edge_1RB_Right	18.66	/	/	16.72	/	/	/	Pass
		Outer_Full	18.88	/	/	16.94	/	/	/	Pass
		Inner_Full	18.68	/	/	16.74	/	/	/	Pass
		Inner_1RB_Left	19.42	/	/	17.48	/	/	/	Pass
		Inner_1RB_Right	18.78	/	/	16.84	/	/	/	Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	19.96	/	/	18.02	/	/	/	Pass
		Edge_1RB_Right	20.08	/	/	18.14	/	/	/	Pass
		Outer_Full	20.59	/	/	18.65	/	/	/	Pass
		Inner_Full	22.22	/	/	20.28	/	/	/	Pass
		Inner_1RB_Left	20.48	/	/	18.54	/	/	/	Pass
		Inner_1RB_Right	21.49	/	/	19.55	/	/	/	Pass
CP-OFDM 16 QAM	2310	Edge_1RB_Left	19.33	/	/	17.39	/	/	/	Pass
		Edge_1RB_Right	20.07	/	/	18.13	/	/	/	Pass
		Outer_Full	20.59	/	/	18.65	/	/	/	Pass
		Inner_Full	21.64	/	/	19.70	/	/	/	Pass
		Inner_1RB_Left	20.94	/	/	19.00	/	/	/	Pass
		Inner_1RB_Right	21.47	/	/	19.53	/	/	/	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	19.28	/	/	17.34	/	/	/	Pass
		Edge_1RB_Right	19.99	/	/	18.05	/	/	/	Pass
		Outer_Full	20.10	/	/	18.16	/	/	/	Pass
		Inner_Full	20.19	/	/	18.25	/	/	/	Pass
		Inner_1RB_Left	19.90	/	/	17.96	/	/	/	Pass
		Inner_1RB_Right	19.91	/	/	17.97	/	/	/	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	16.34	/	/	14.40	/	/	/	Pass
		Edge_1RB_Right	16.83	/	/	14.89	/	/	/	Pass
		Outer_Full	17.15	/	/	15.21	/	/	/	Pass
		Inner_Full	17.09	/	/	15.15	/	/	/	Pass
		Inner_1RB_Left	16.16	/	/	14.22	/	/	/	Pass
		Inner_1RB_Right	16.60	/	/	14.66	/	/	/	Pass

1.2 Test Graph

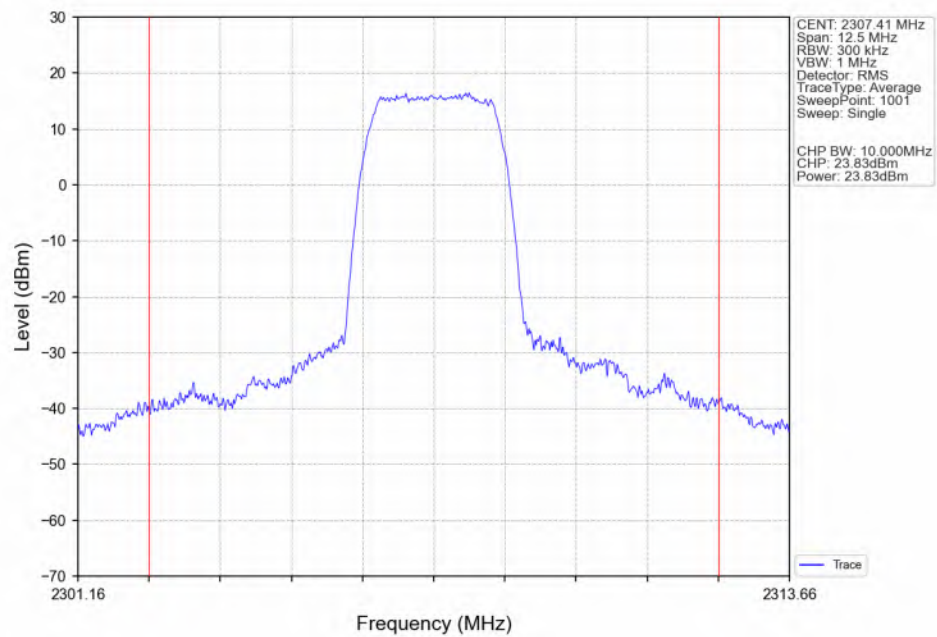
1.2.1 15_S_5M_NTNV_EIRP(dBm/5MHz)



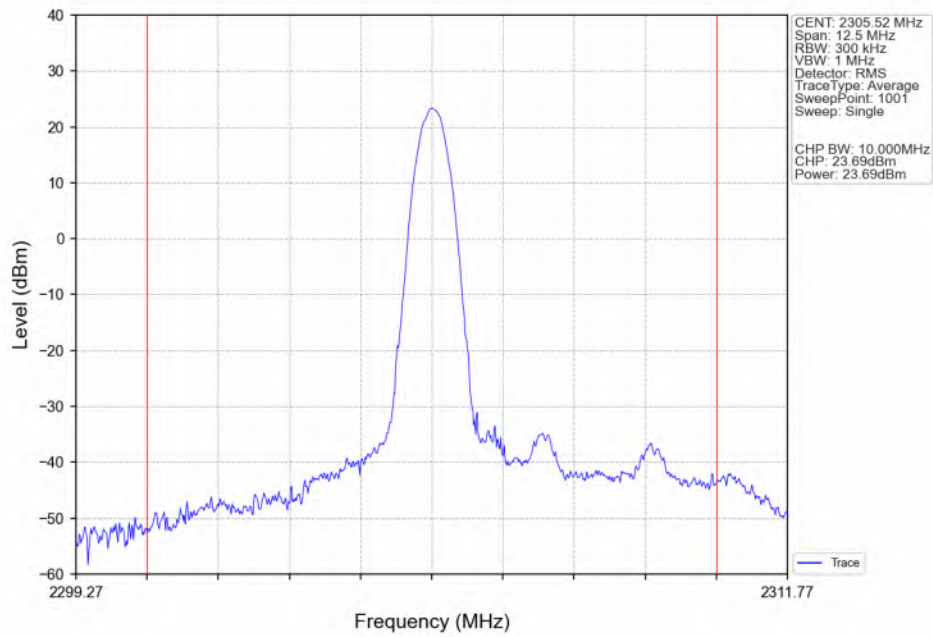
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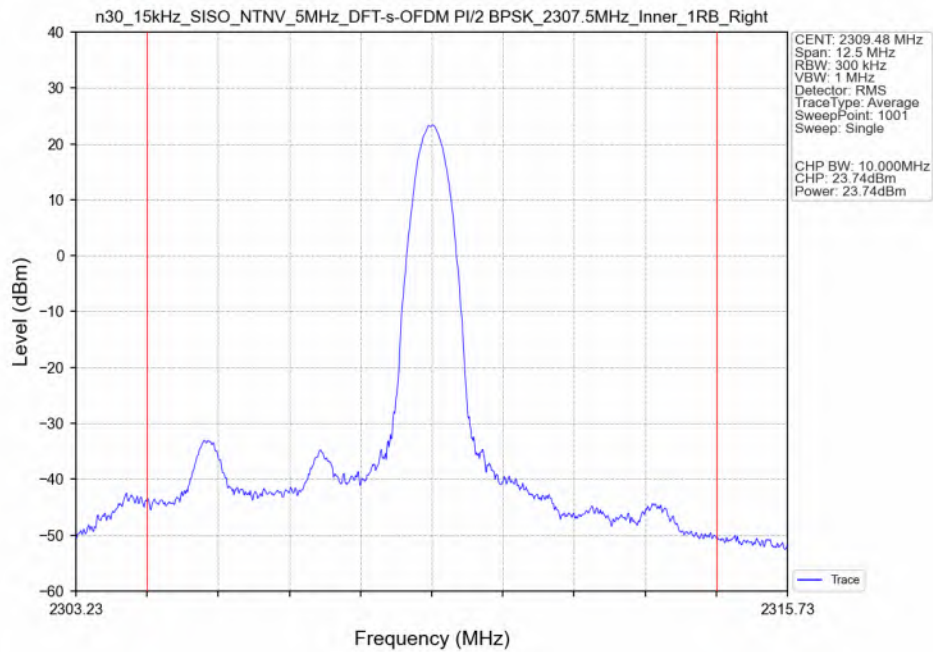
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2307.5MHz_Inner_Full_Ant7



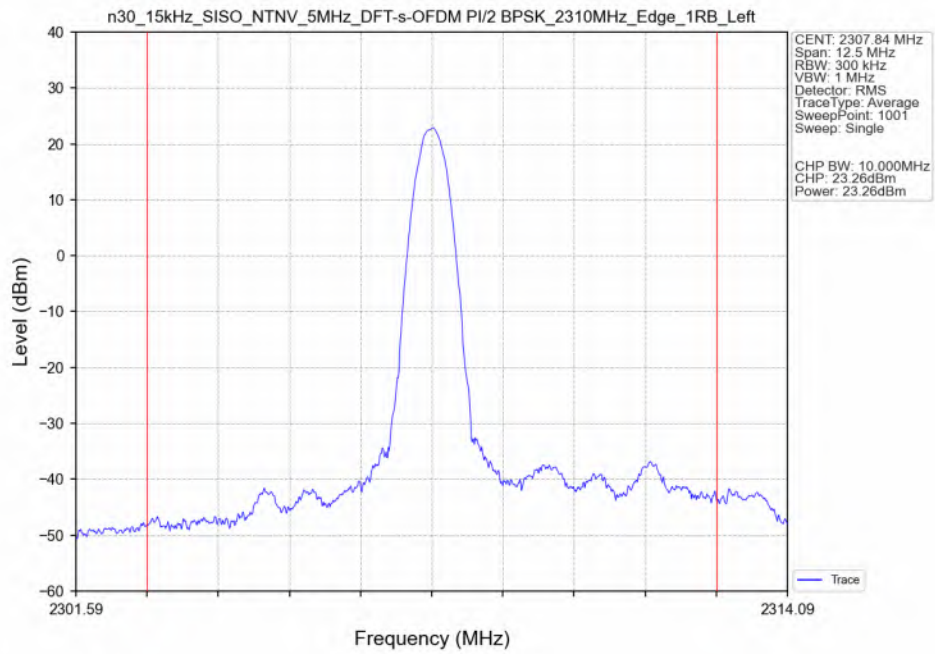
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2307.5MHz_Inner_1RB_Left_Ant7



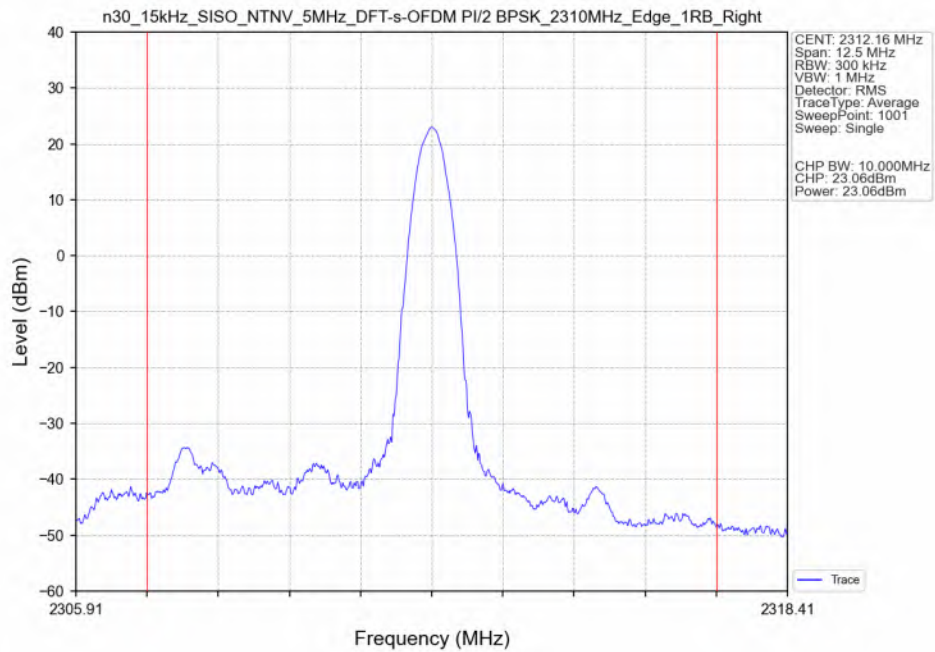
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2307.5MHz_Inner_1RB_Right_Ant7



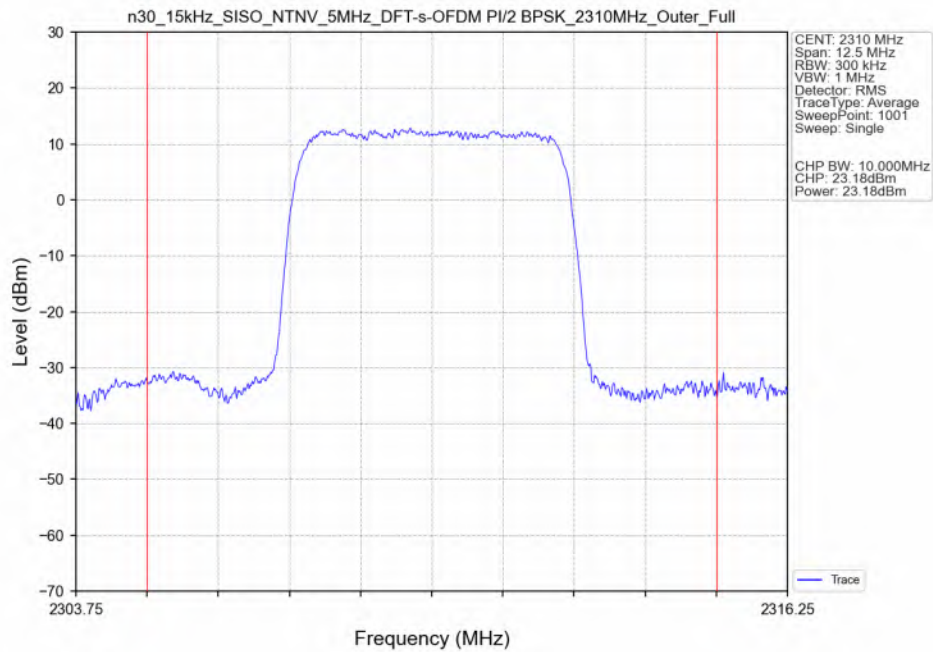
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Left_Ant7



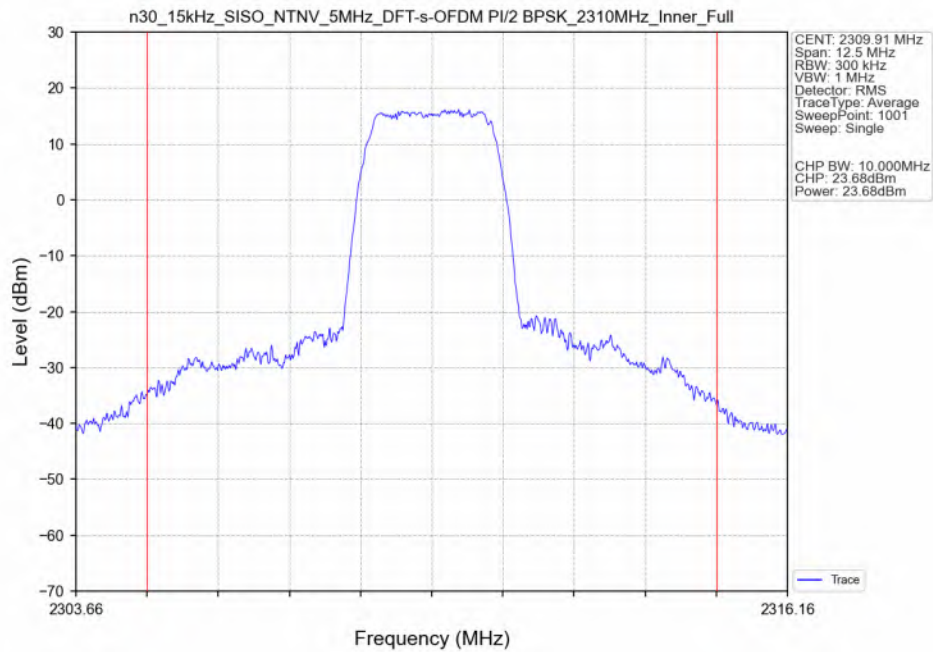
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Edge_1RB_Right_Ant7



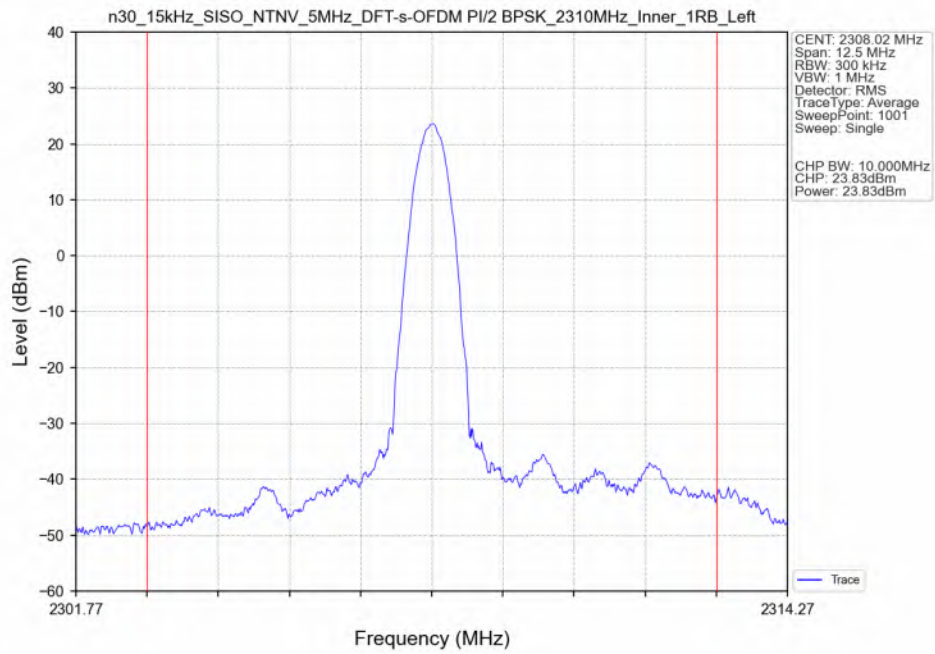
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2310MHz_Outer_Full_Ant7



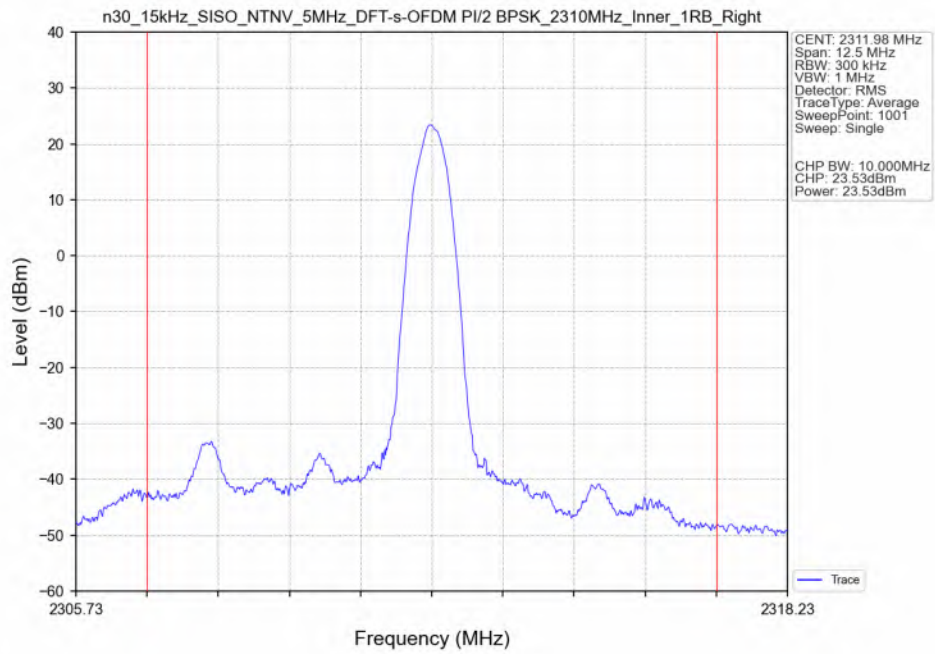
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2310MHz_Inner_Full_Ant7



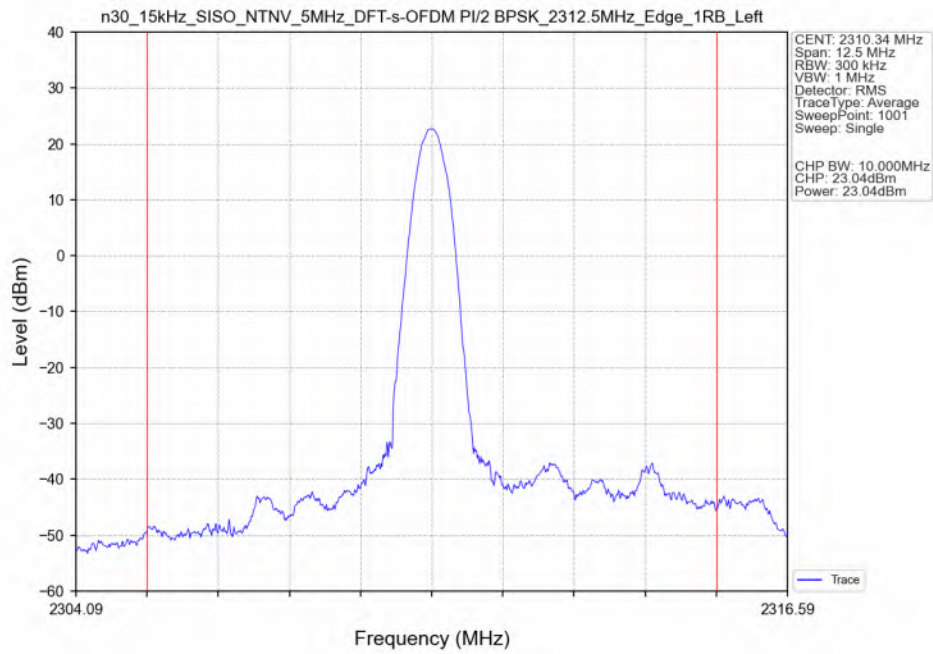
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2310MHz_Inner_1RB_Left_Ant7



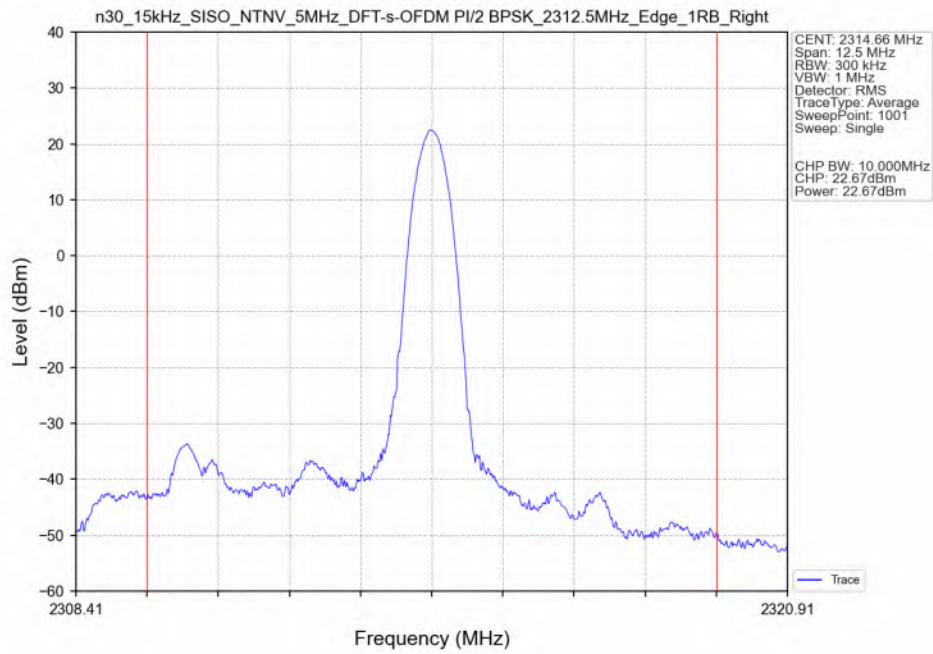
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2310MHz_Inner_1RB_Right_Ant7



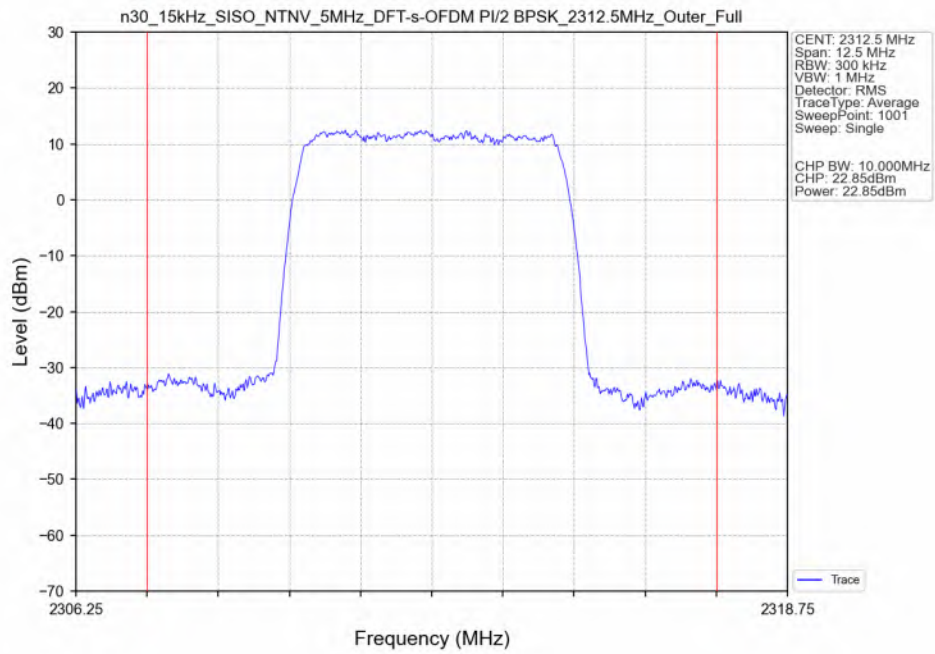
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2312.5MHz_Edge_1RB_Left_Ant7



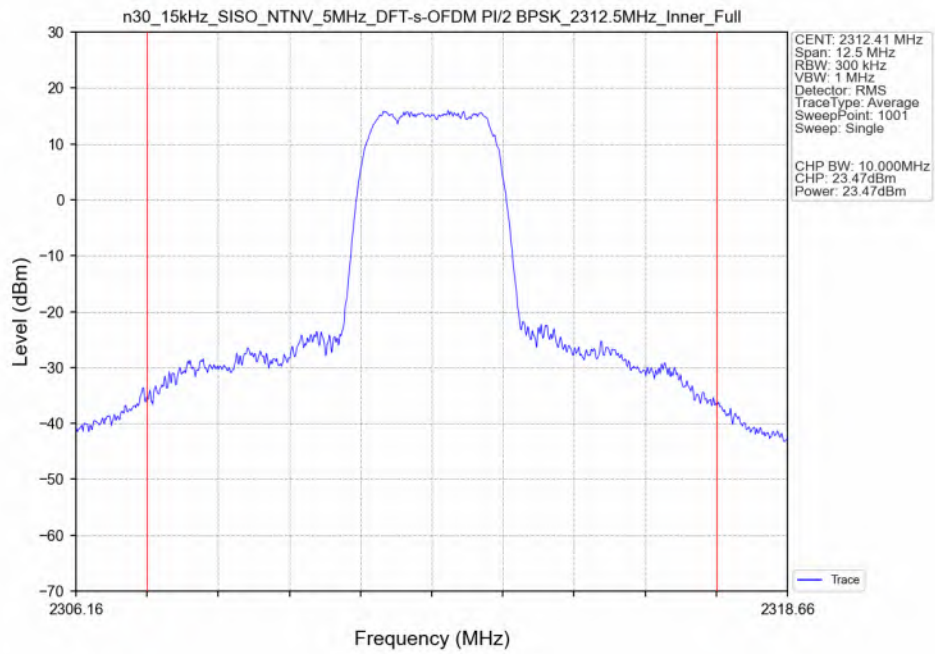
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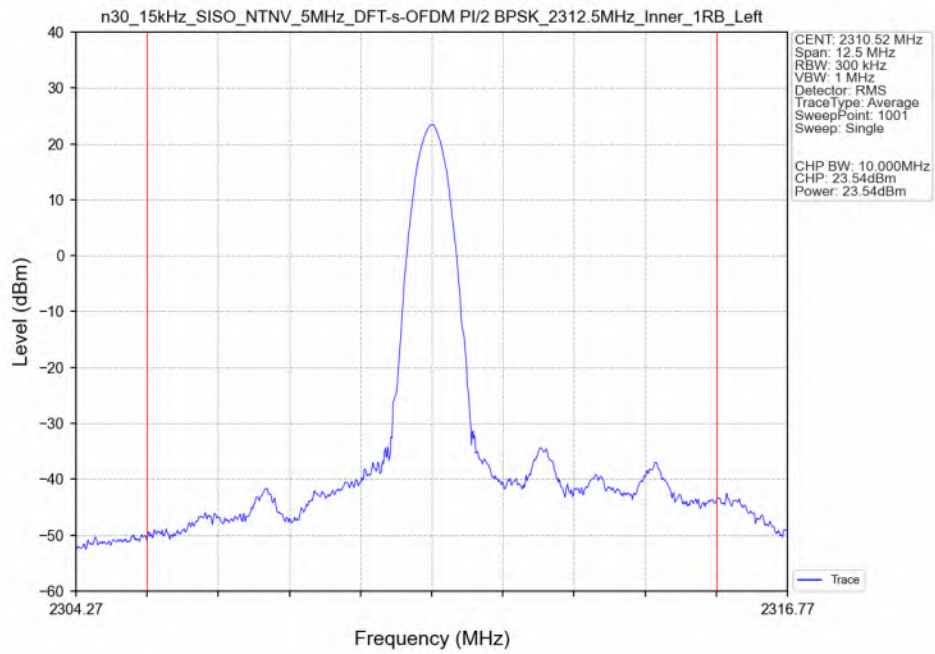
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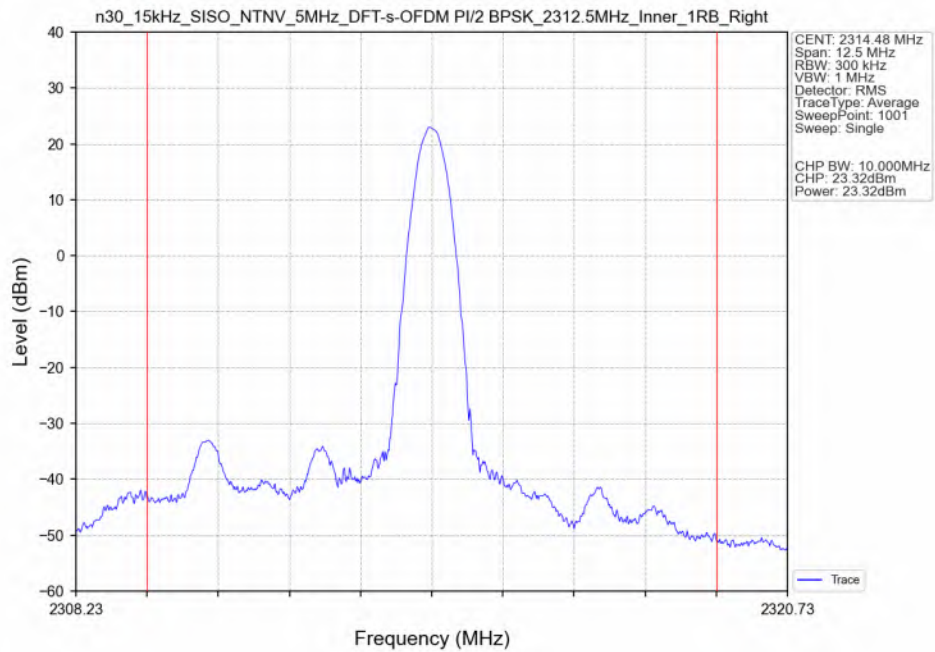
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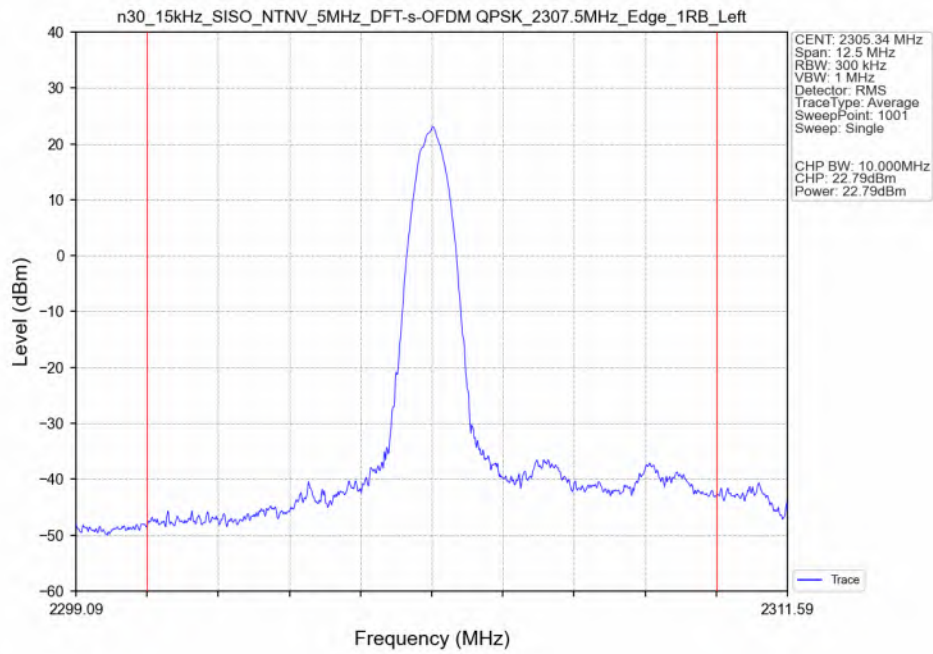
n30_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2312.5MHz_Inner_1RB_Left_Ant7



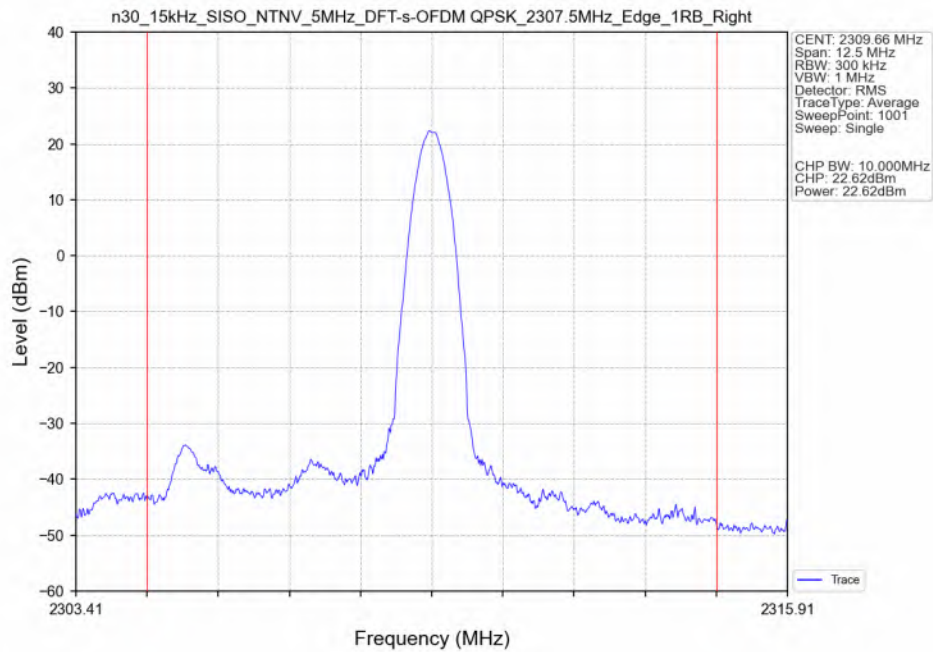
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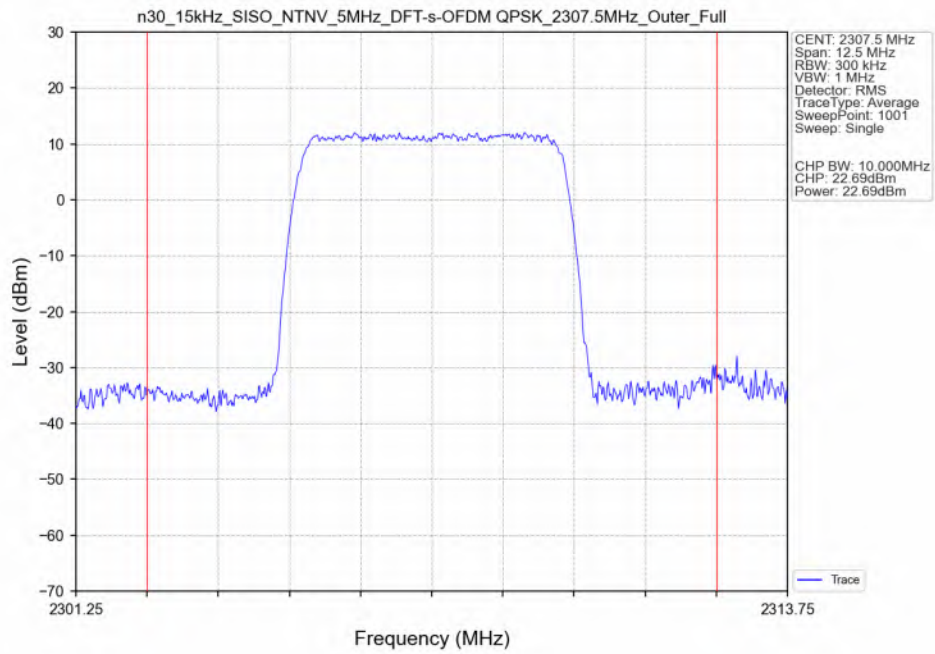
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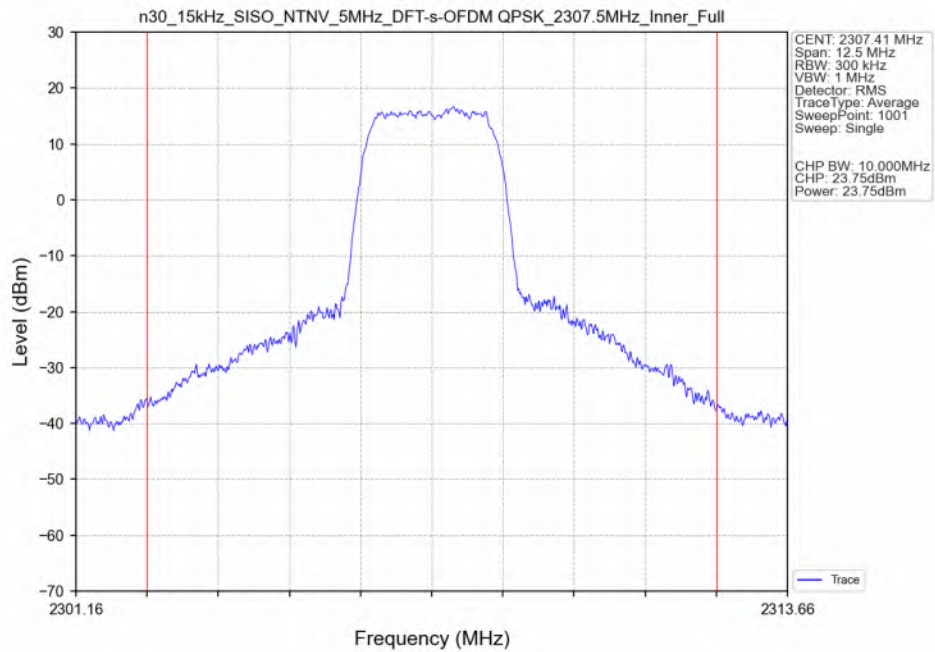
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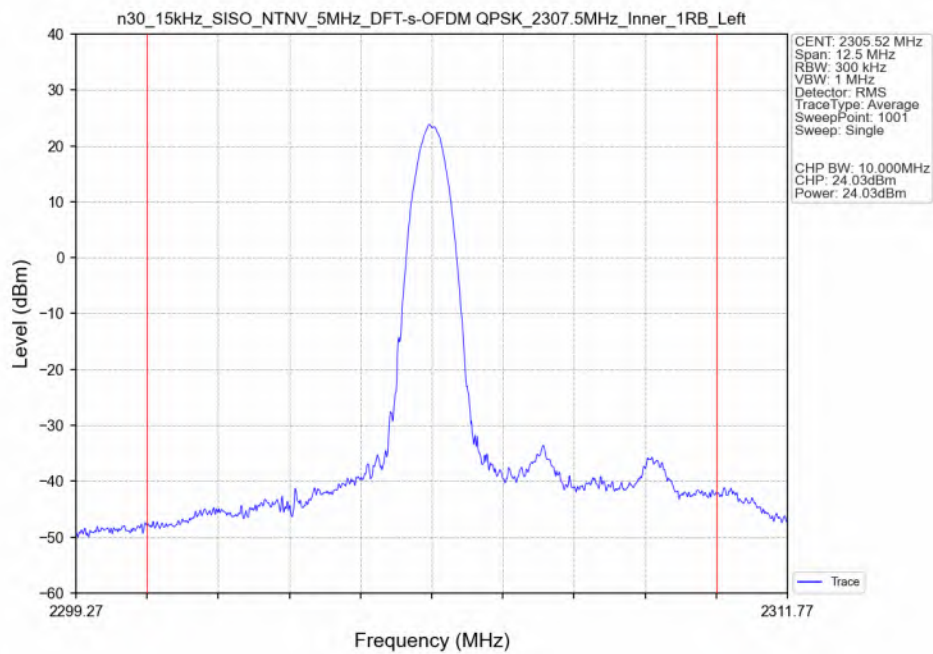
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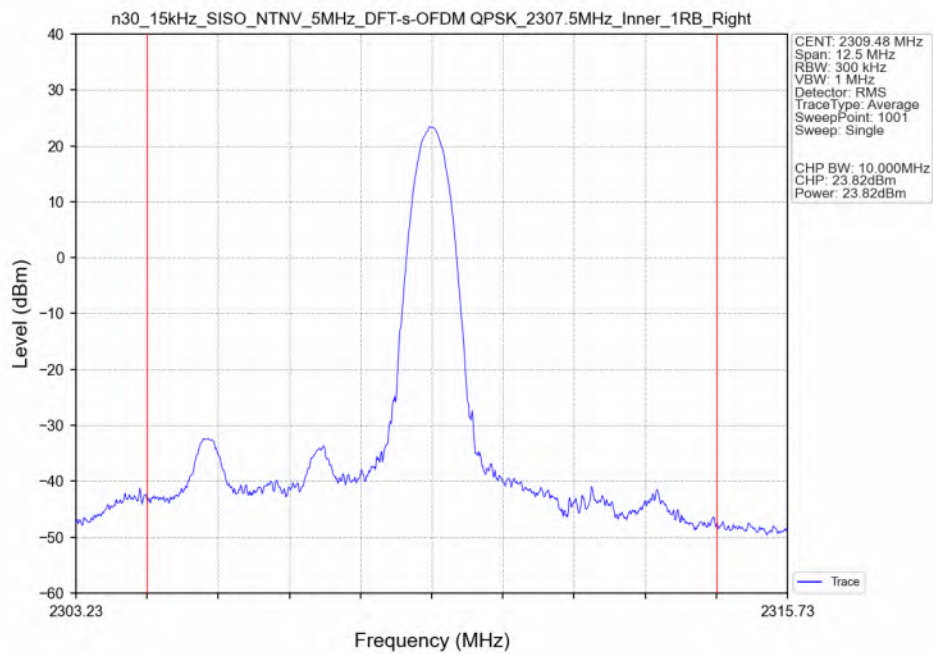
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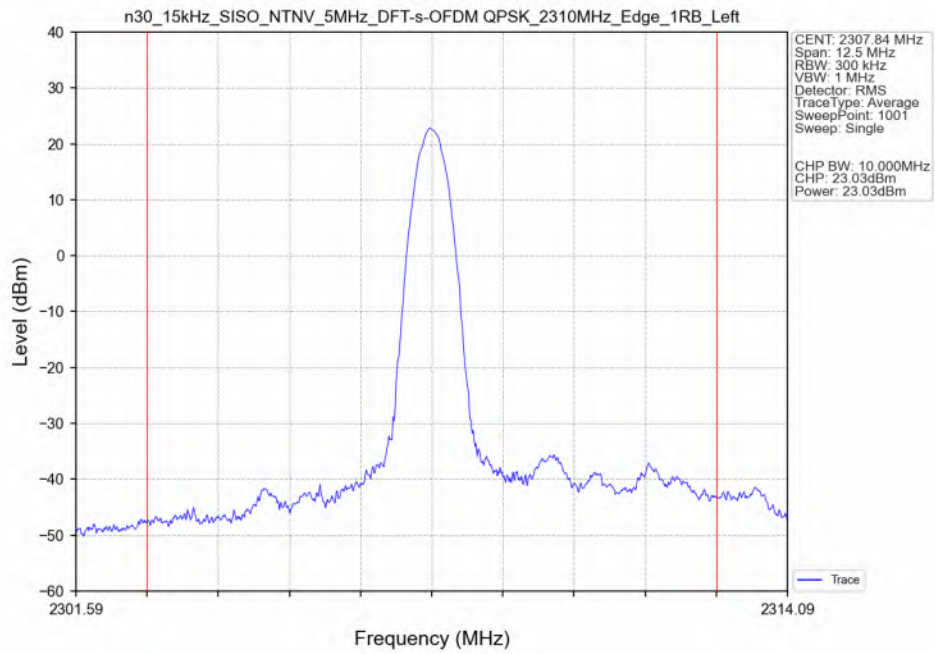
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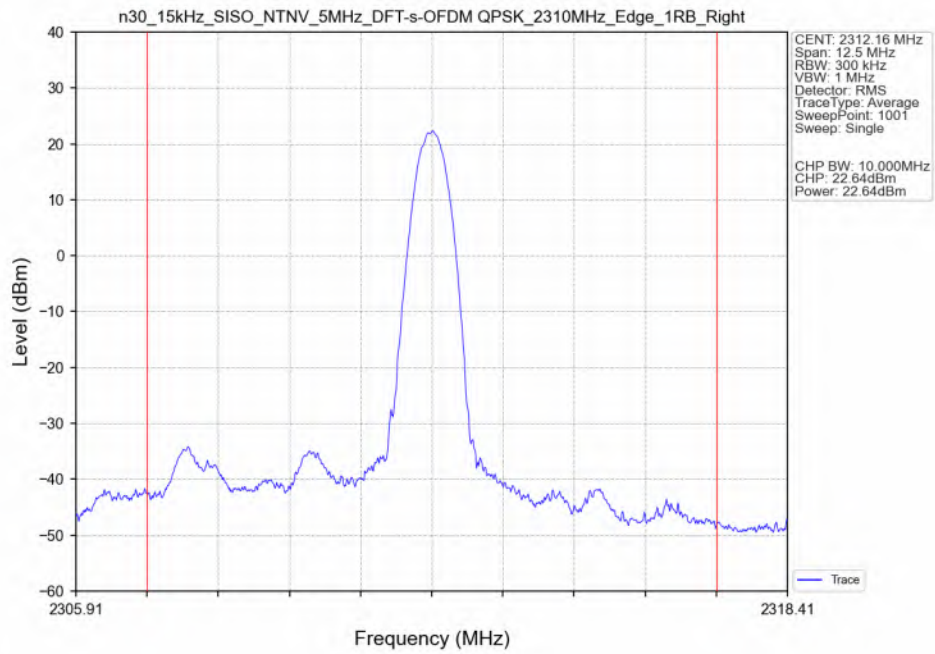
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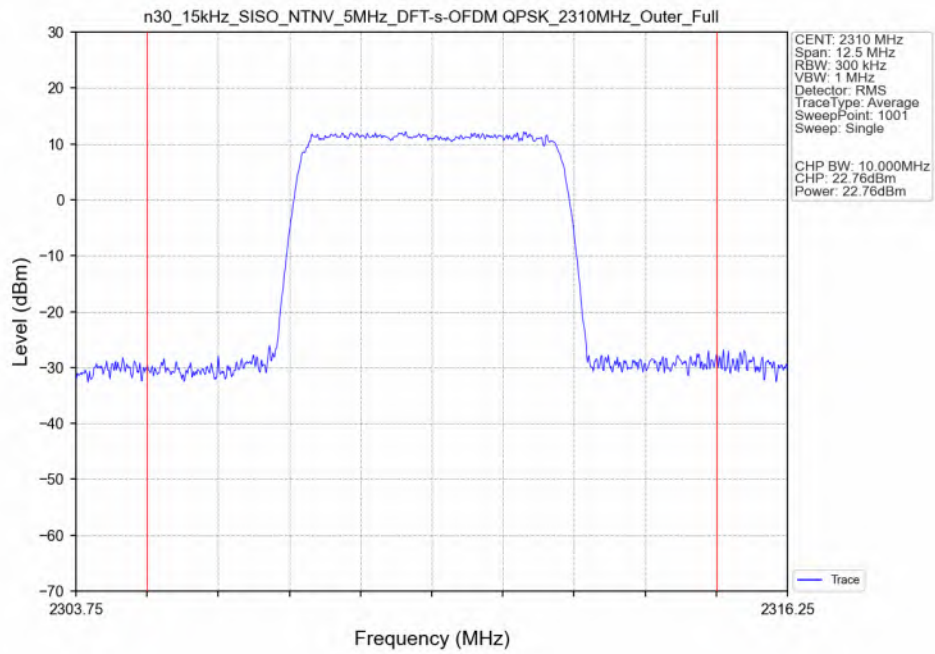
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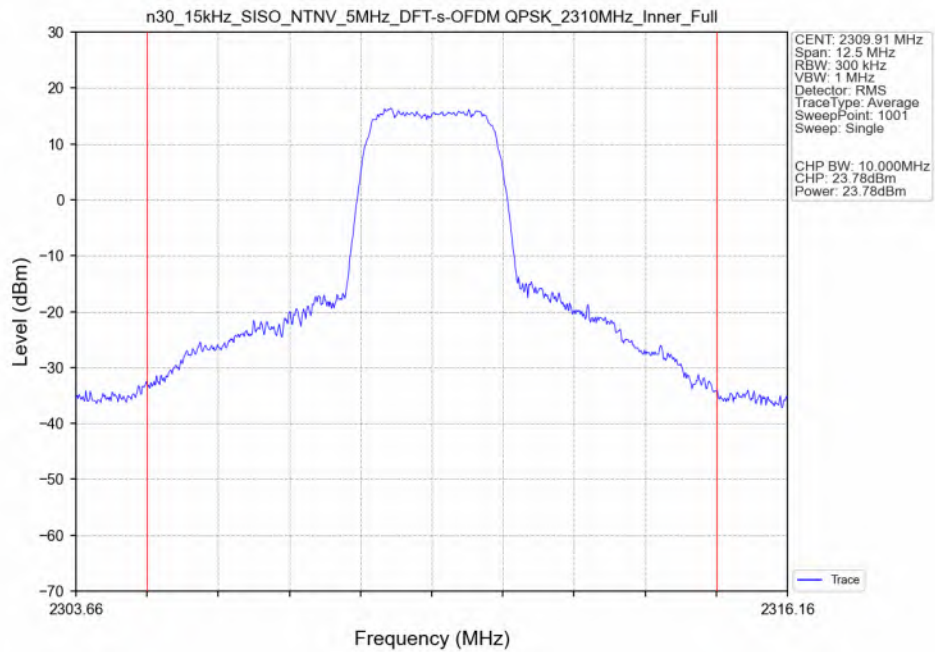
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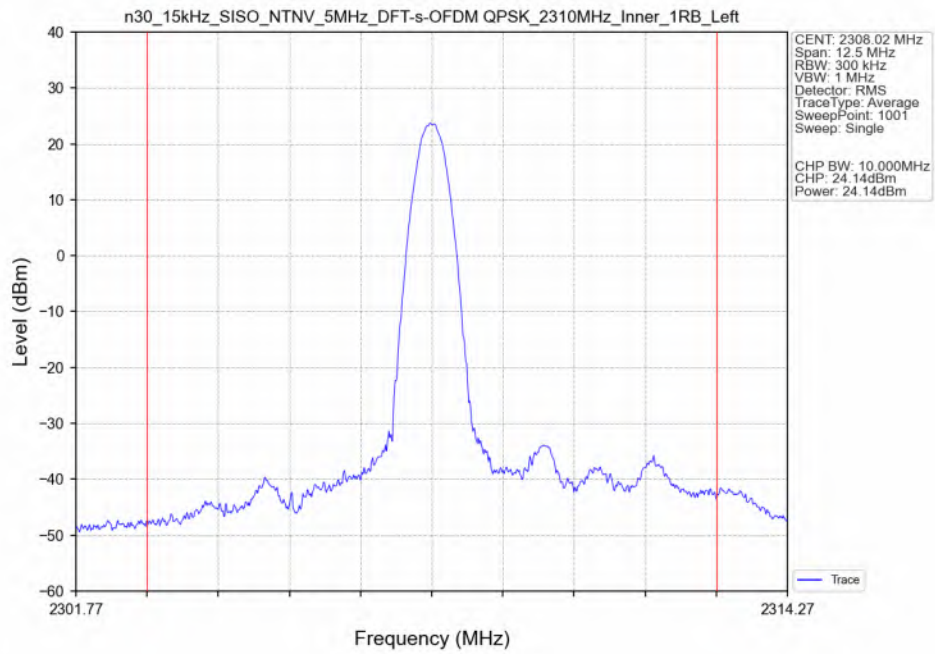
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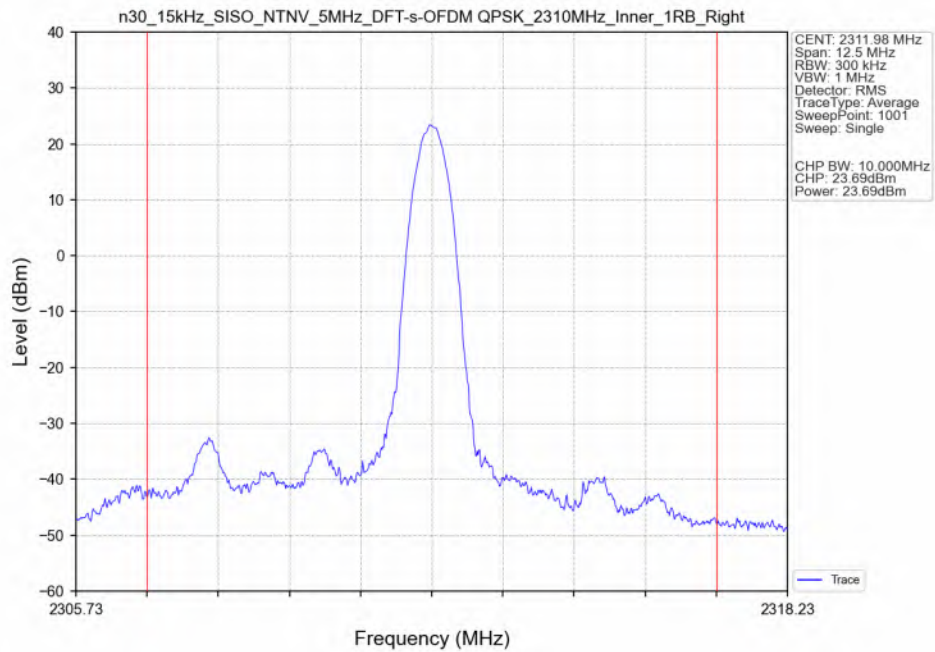
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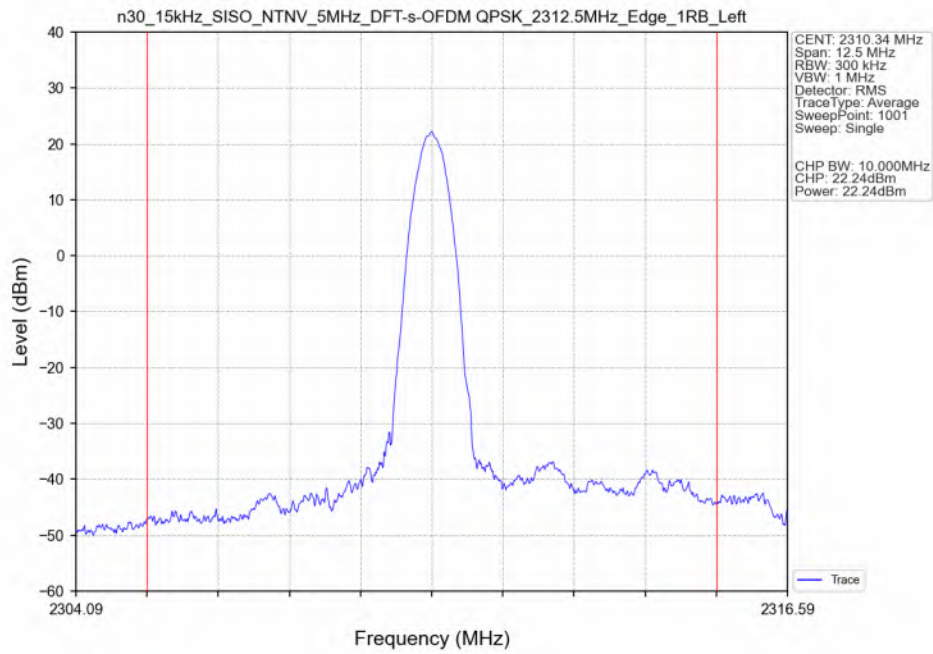
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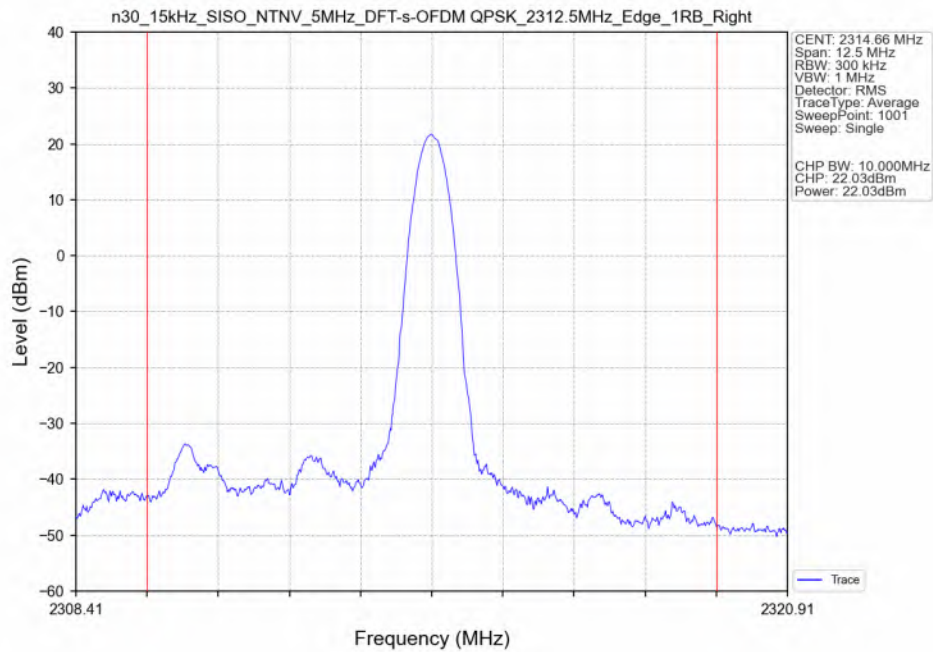
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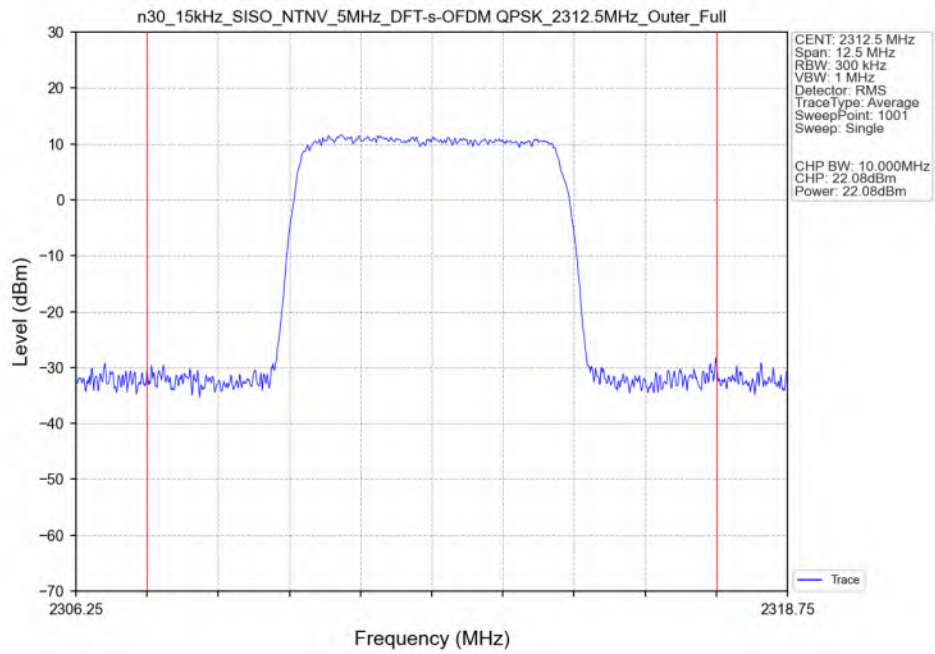
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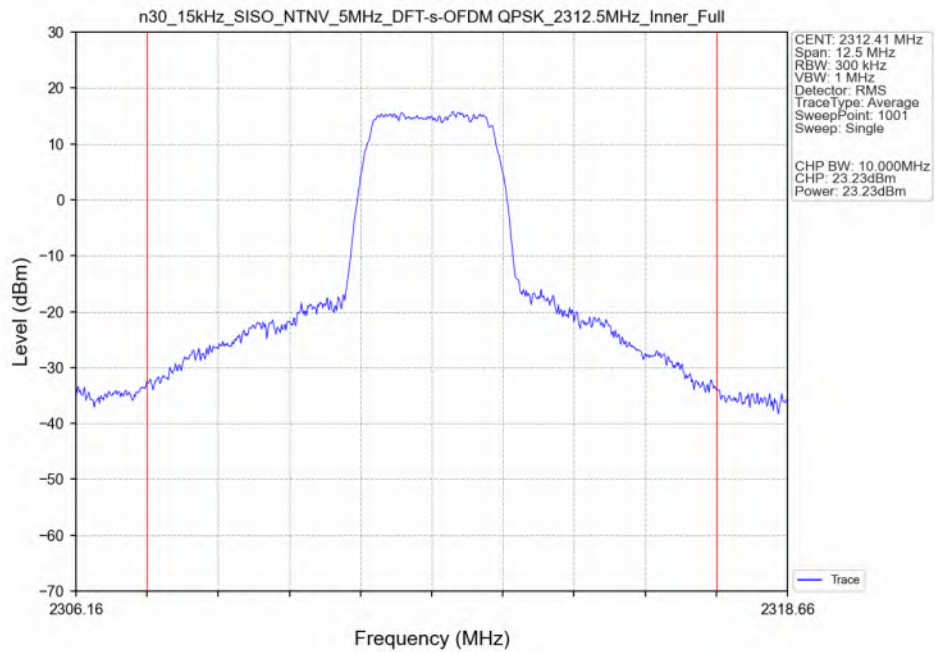
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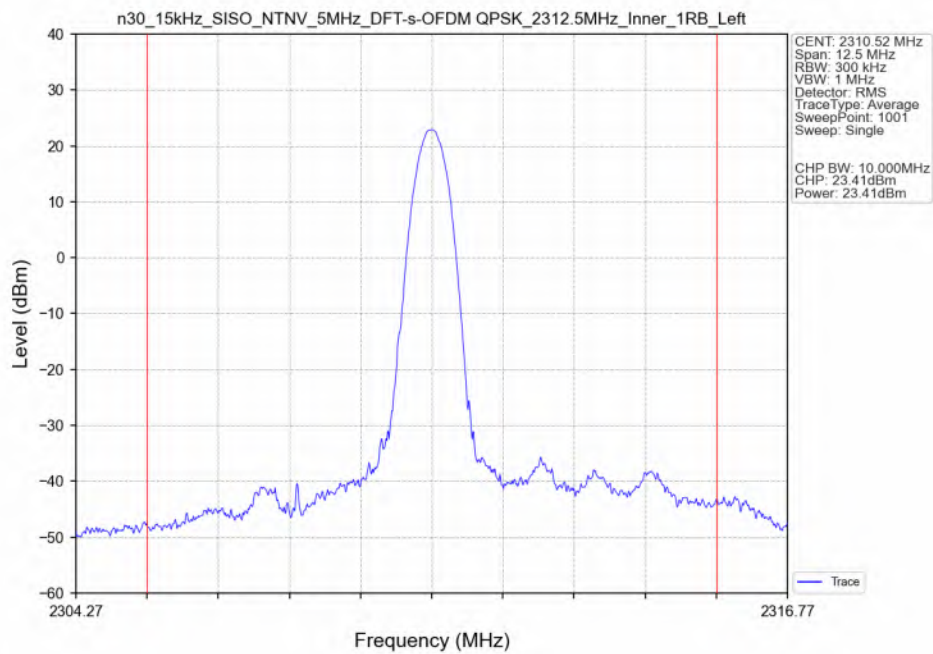
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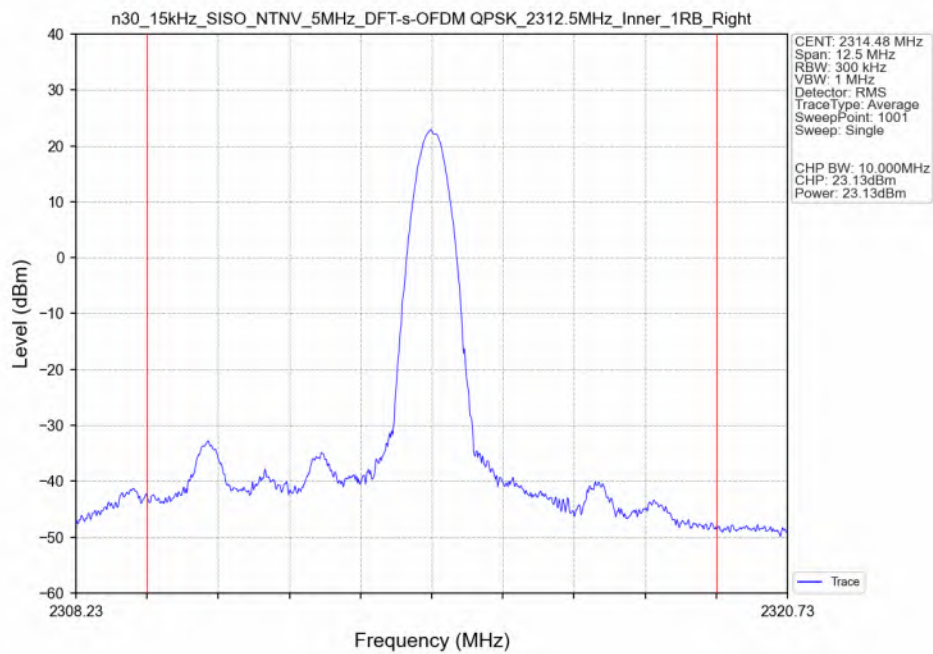
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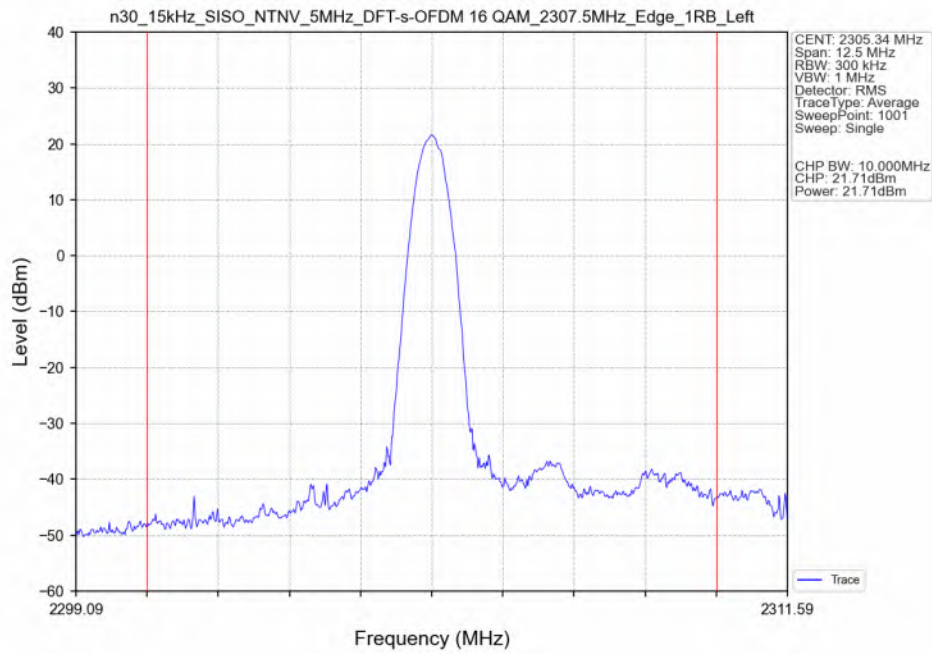
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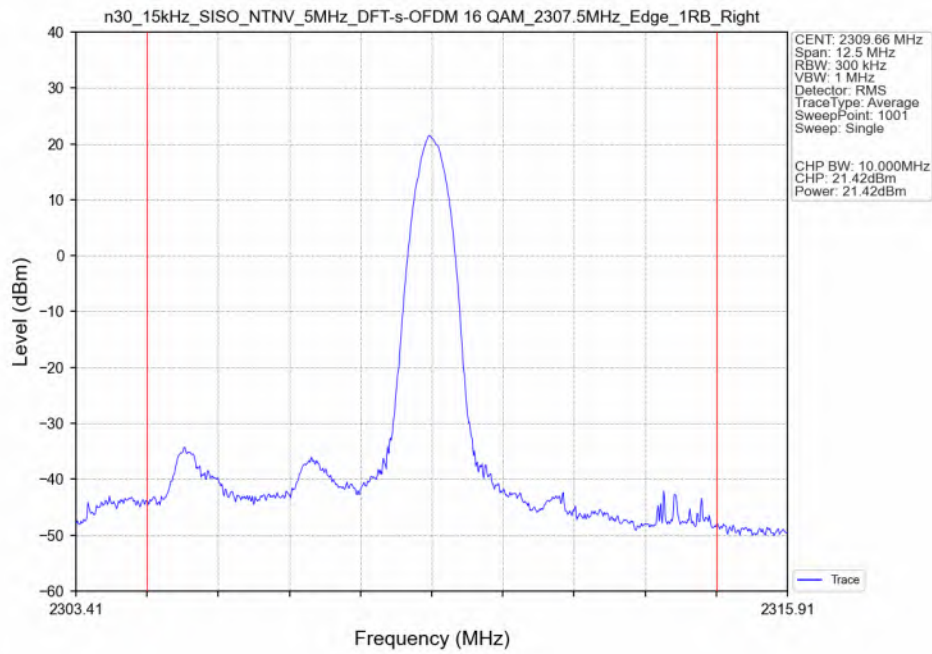
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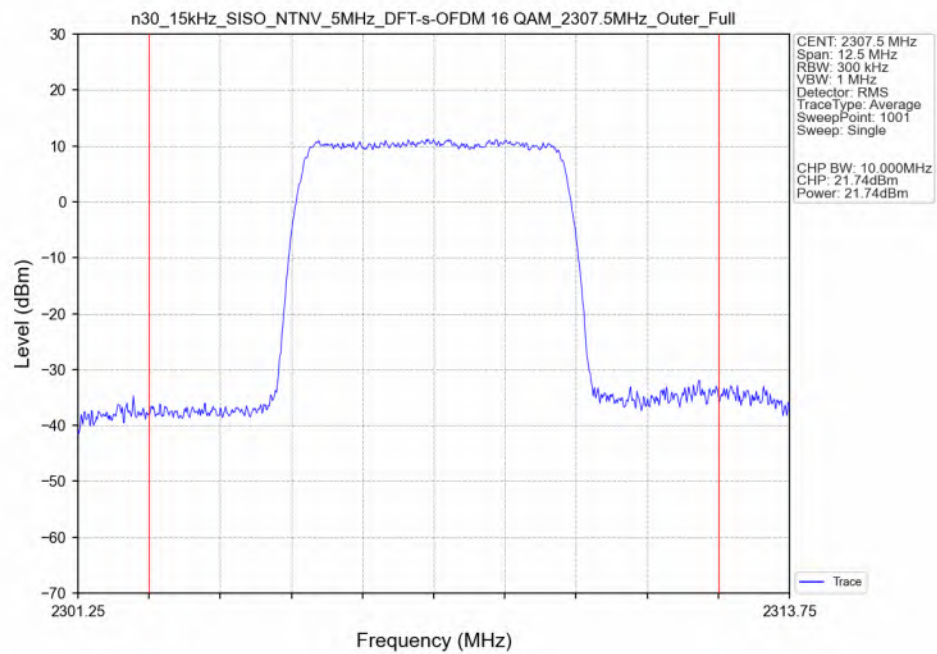
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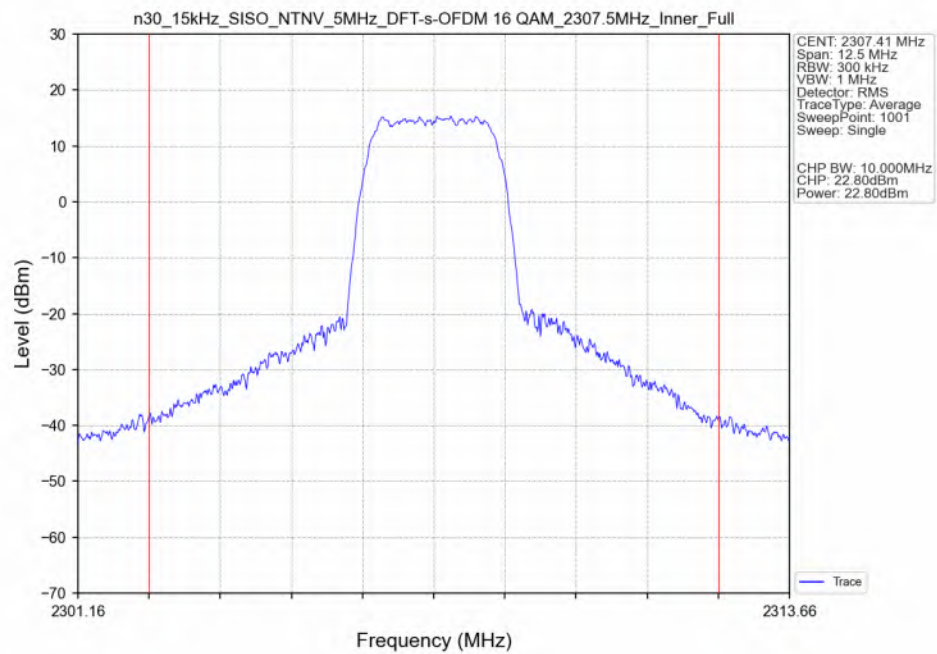
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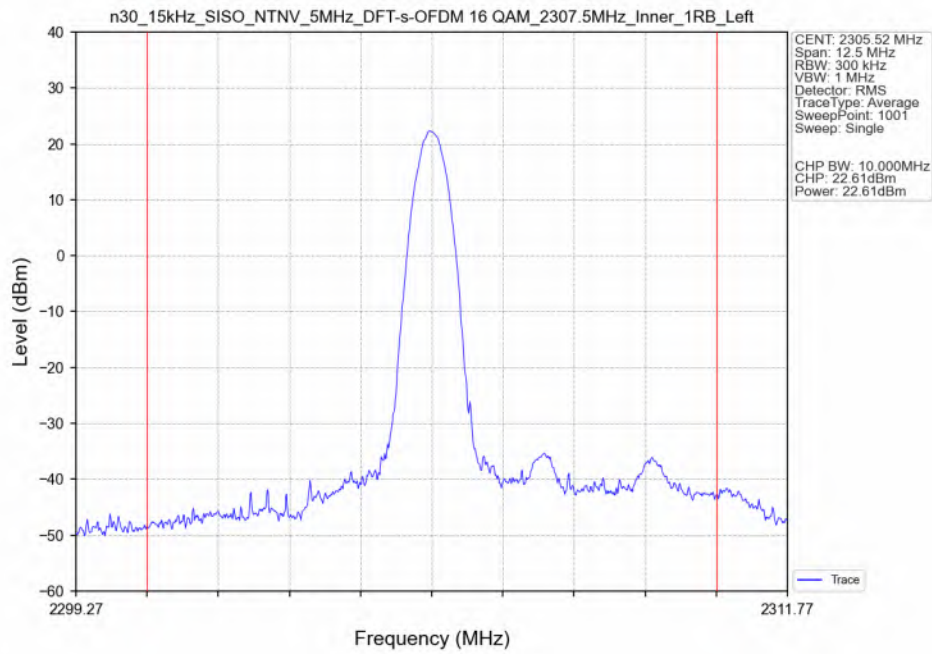
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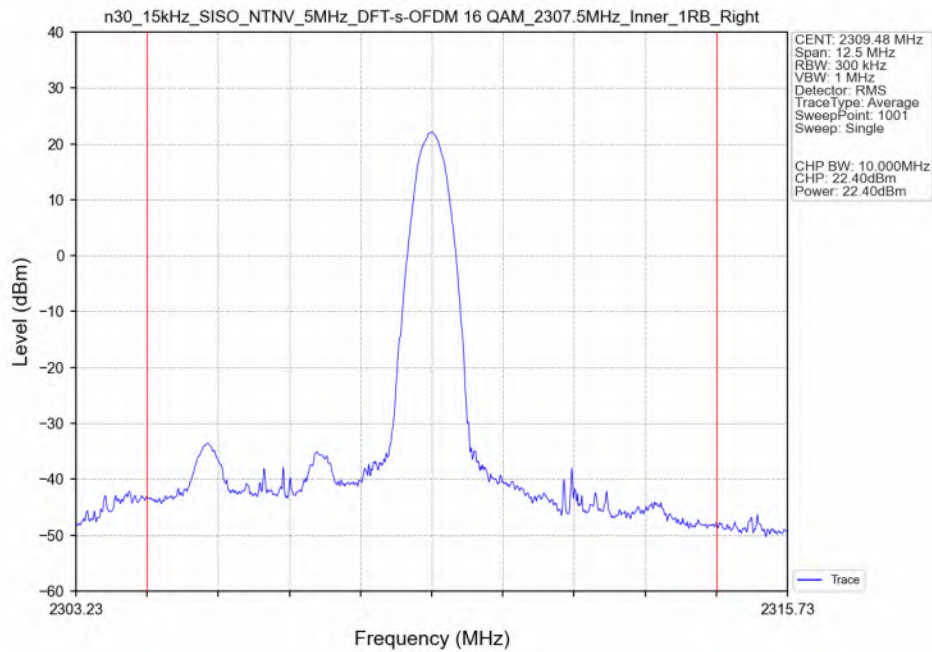
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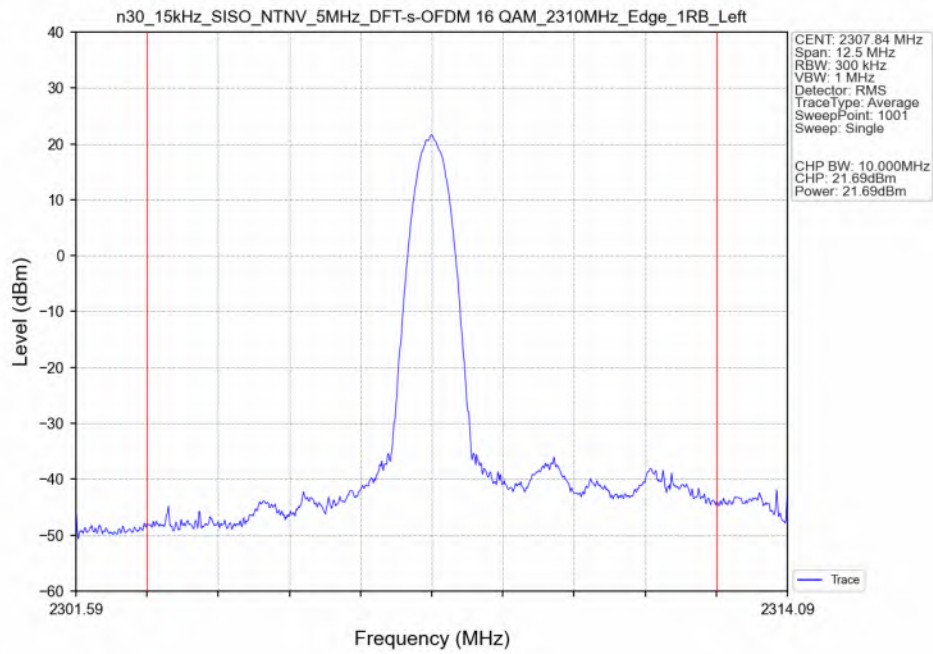
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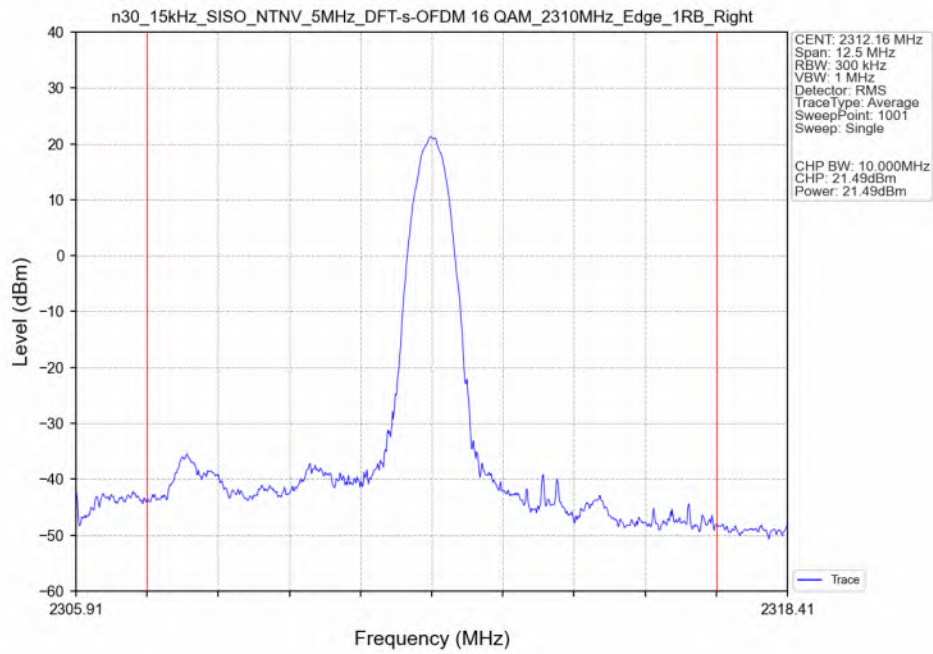
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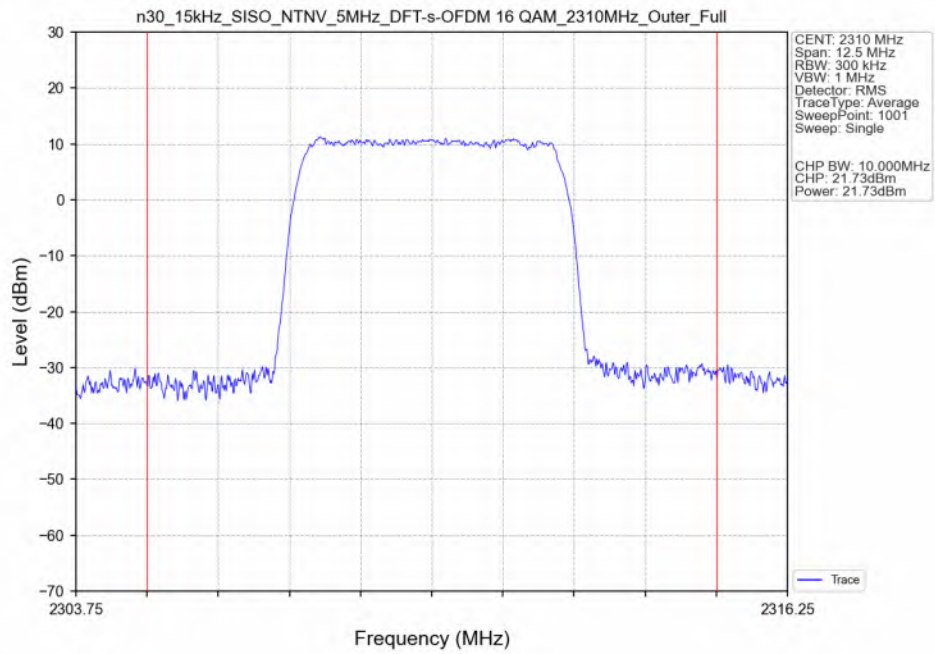
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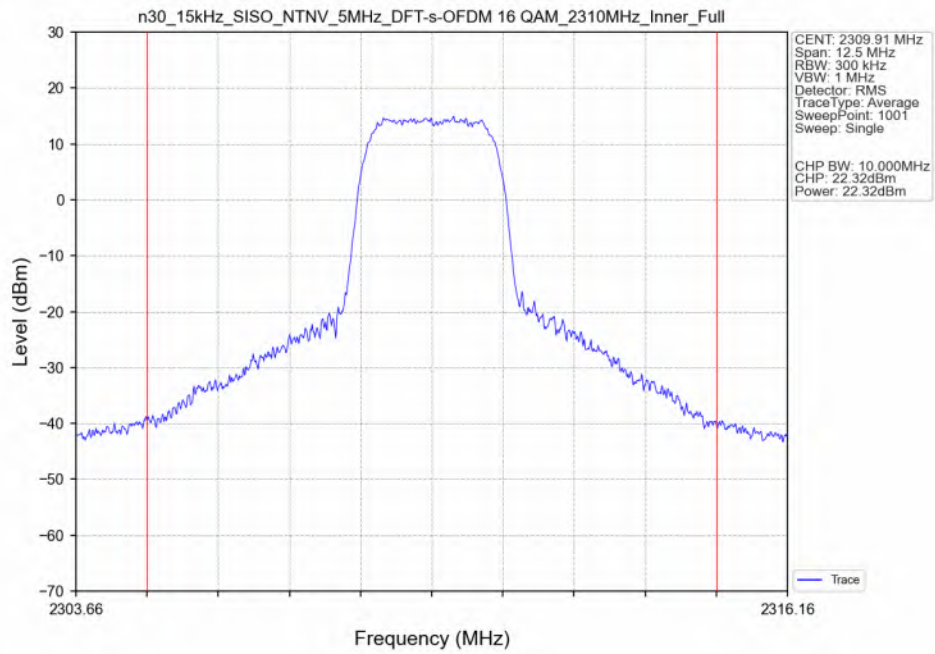
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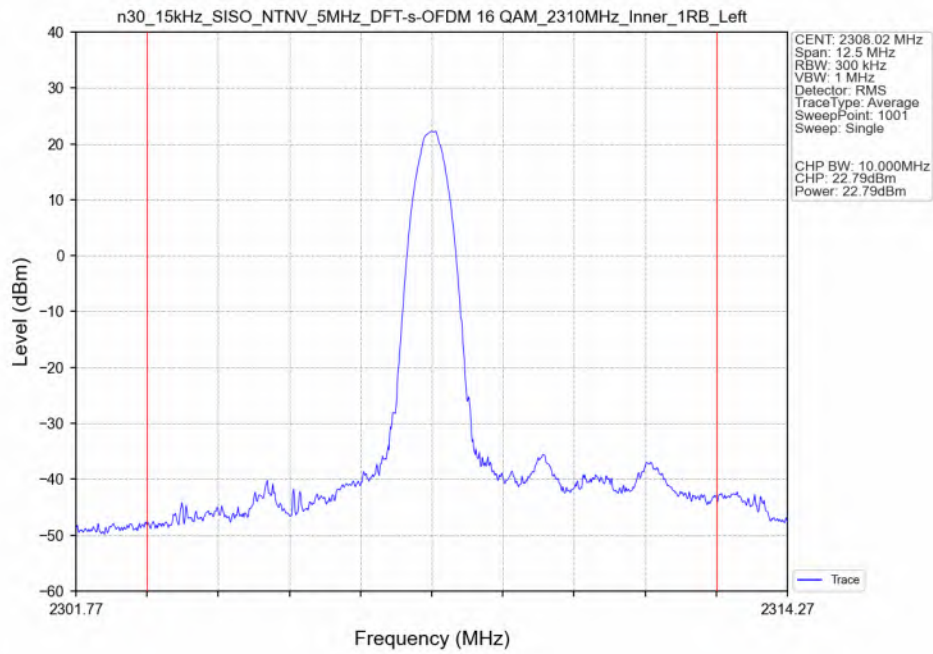
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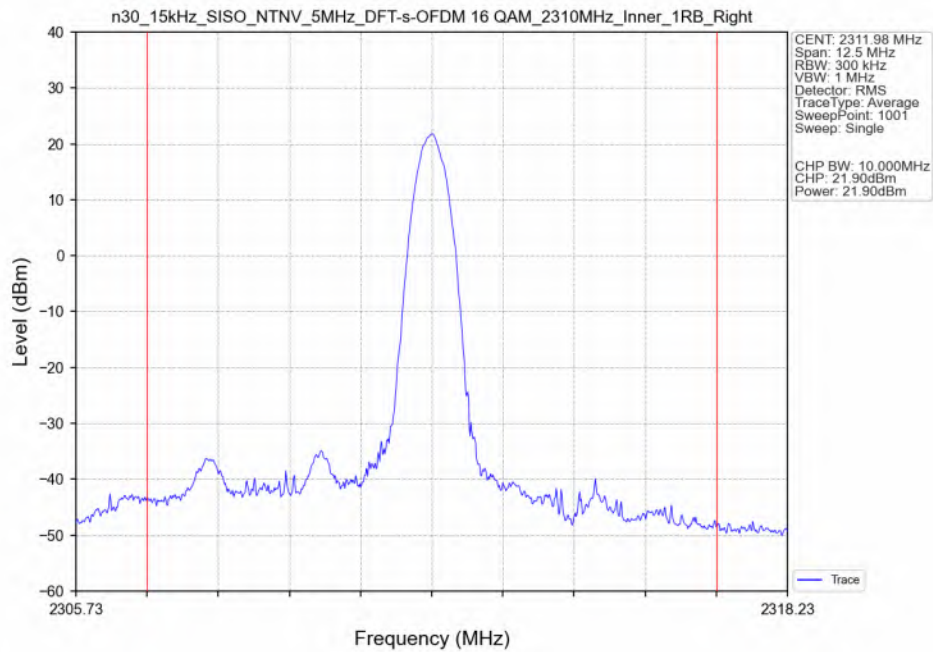
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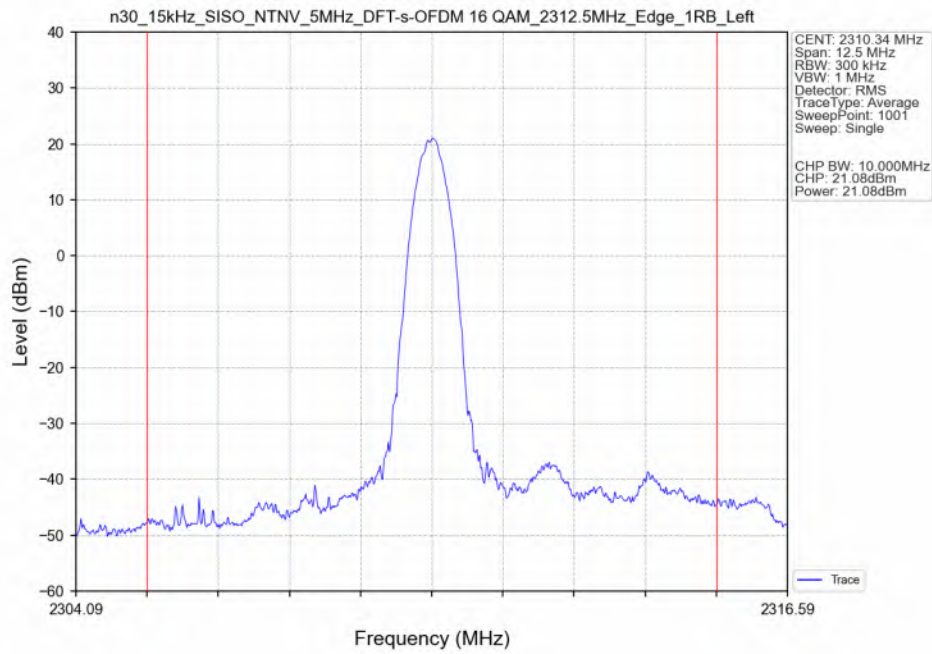
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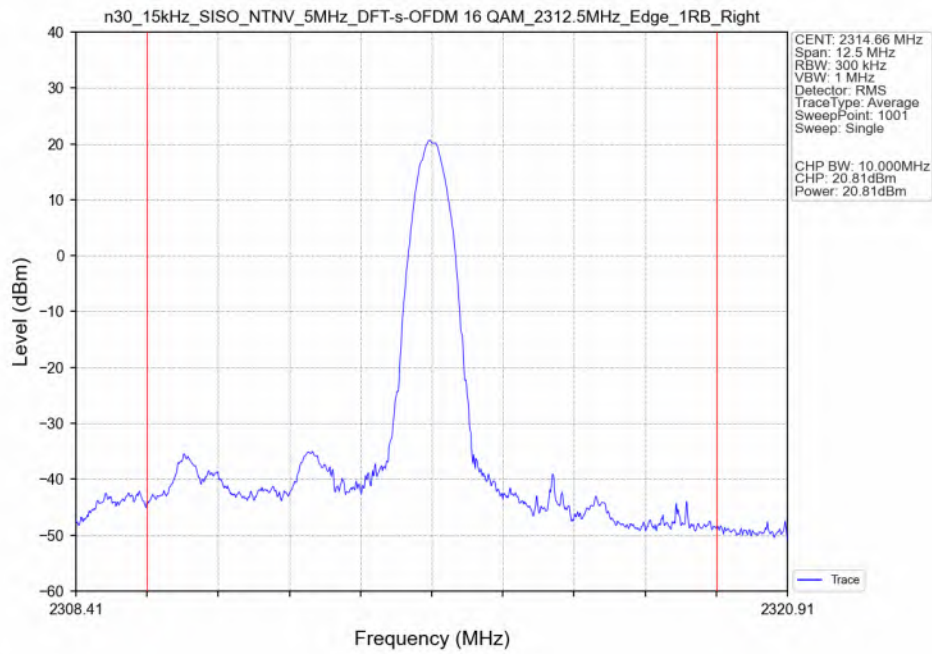
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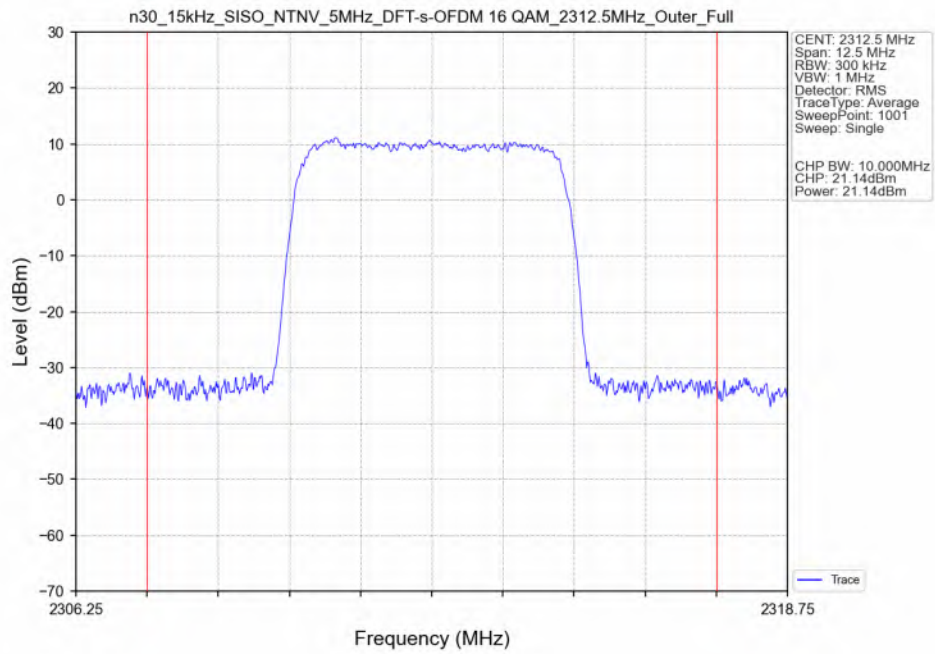
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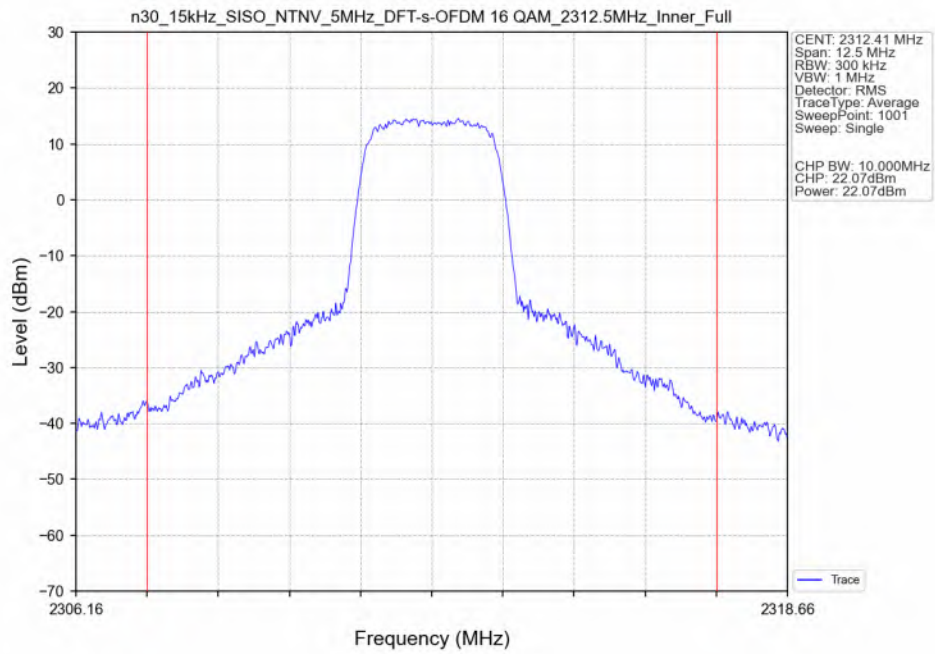
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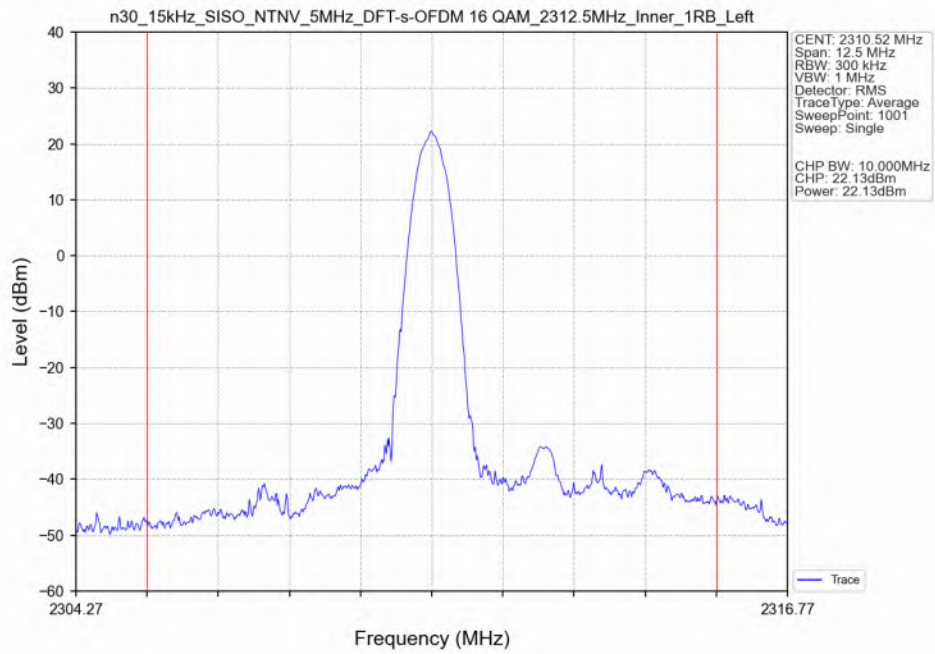
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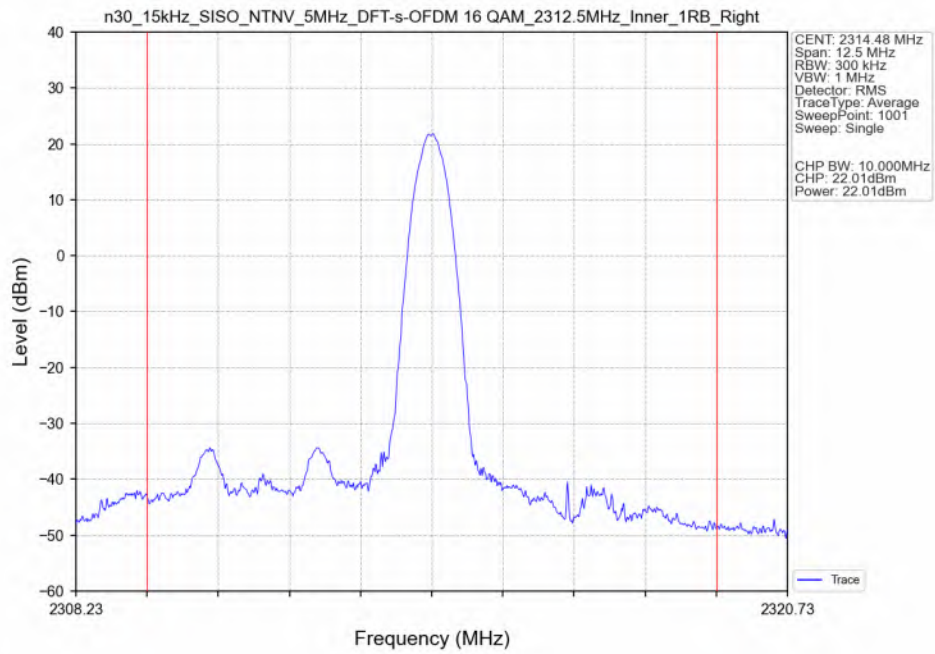
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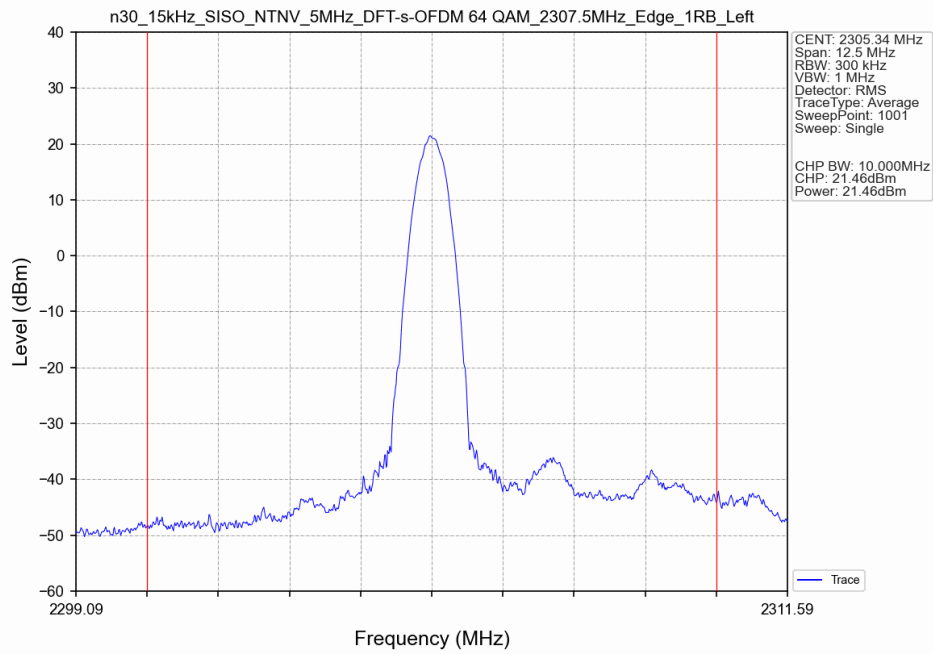
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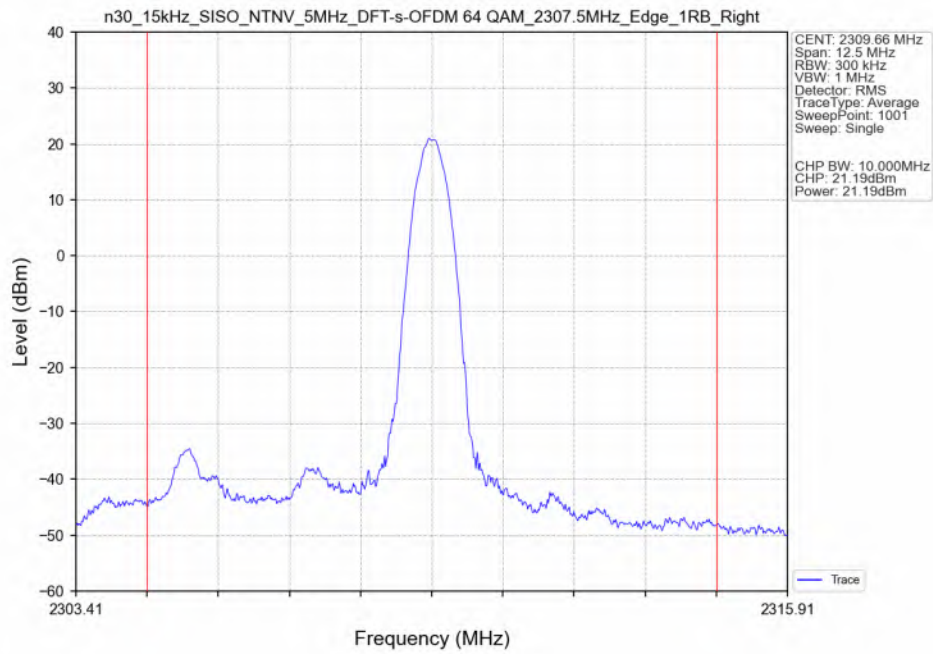
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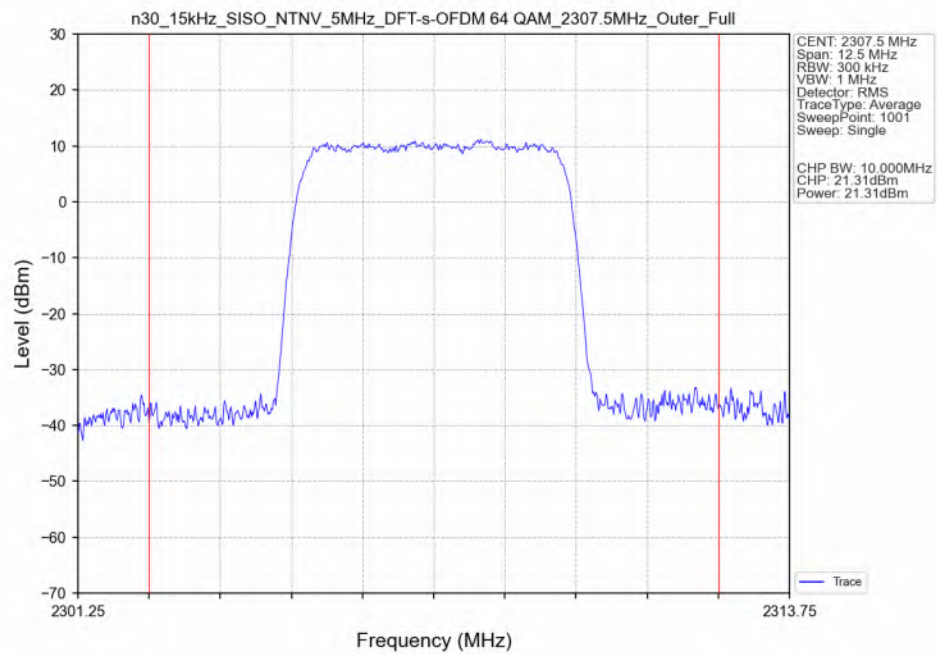
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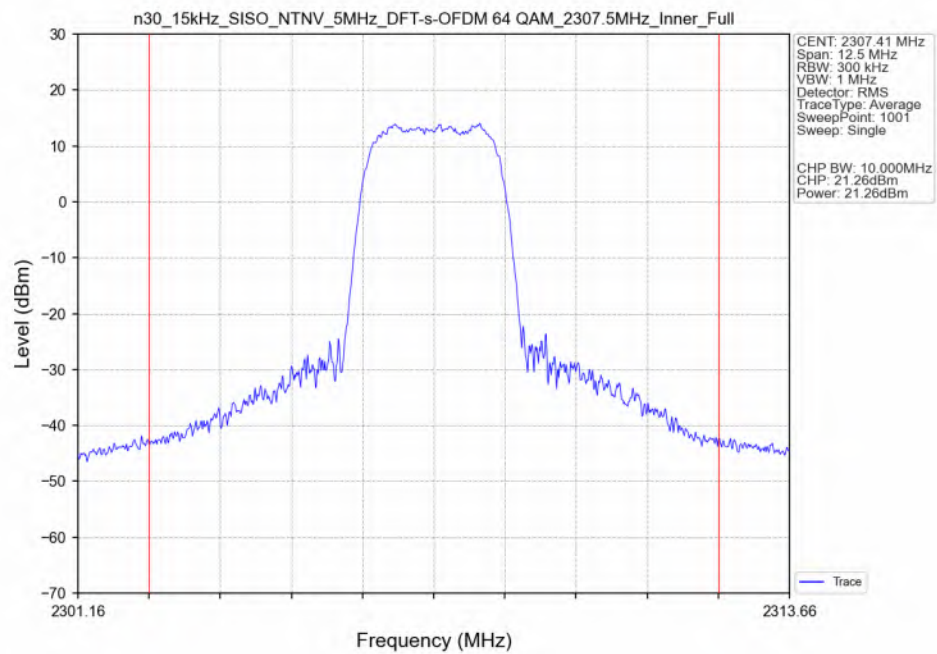
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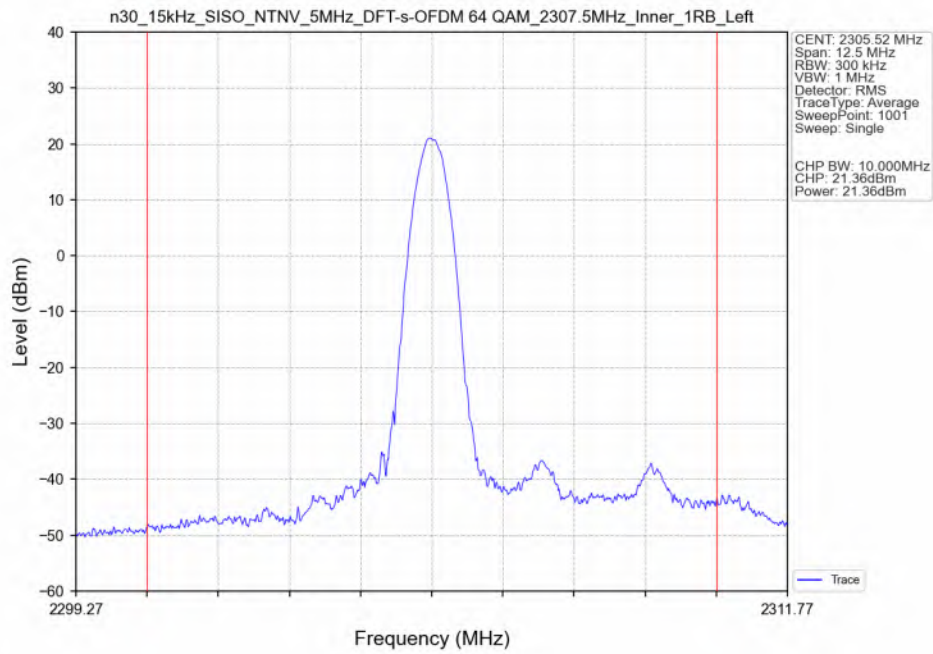
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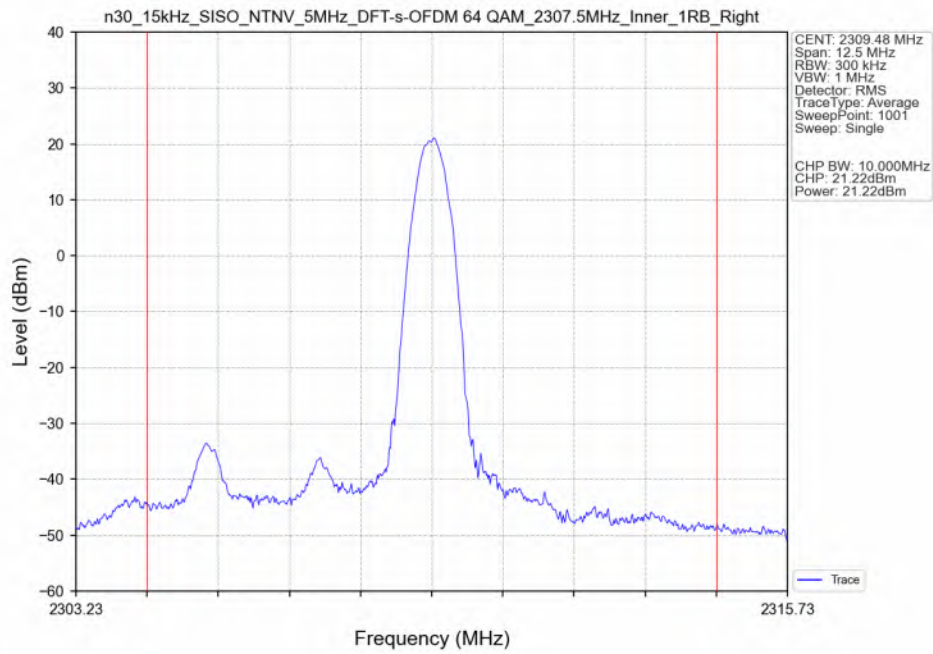
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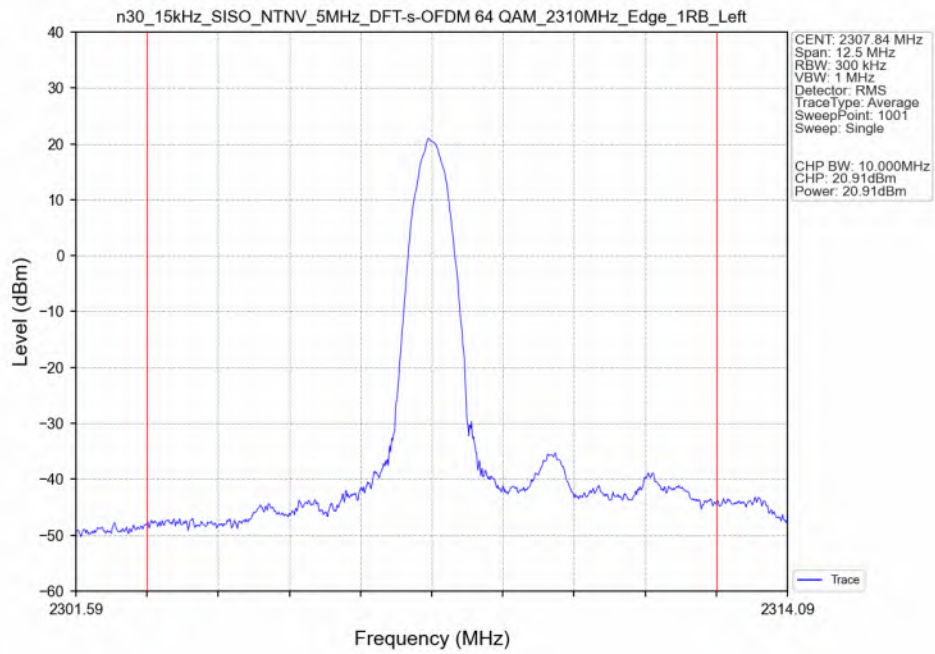
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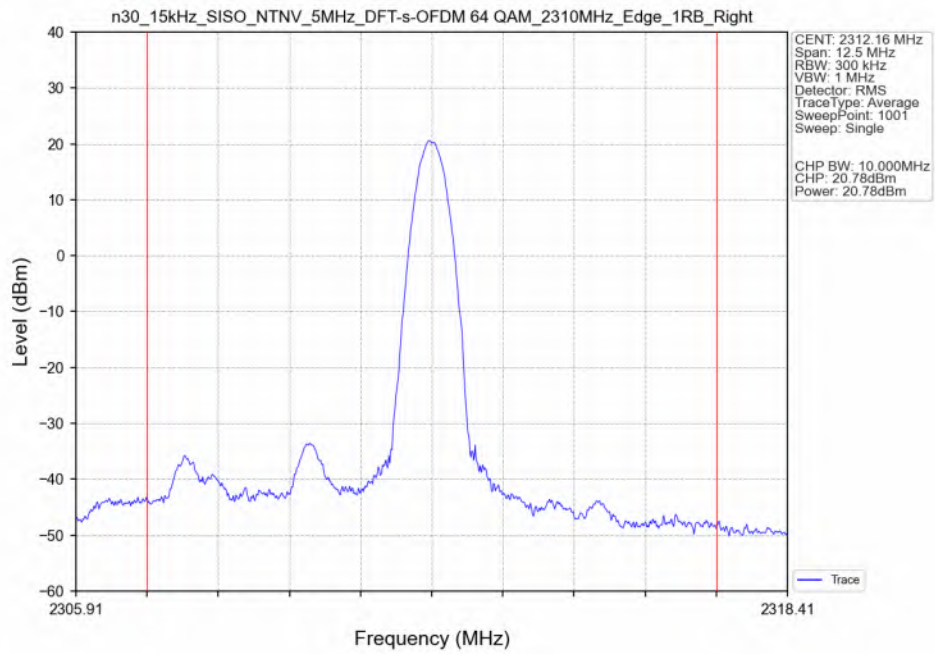
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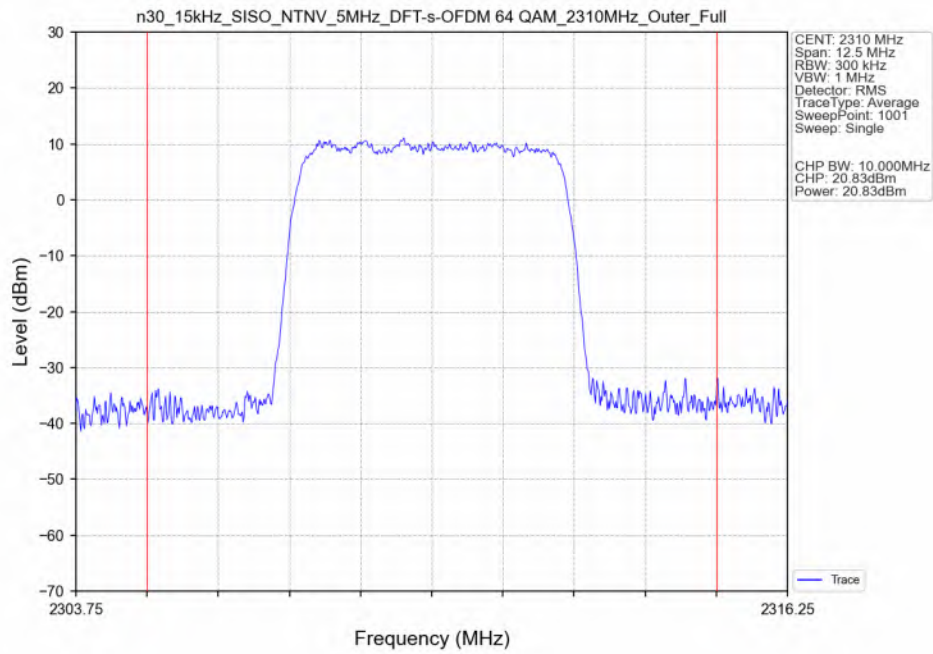
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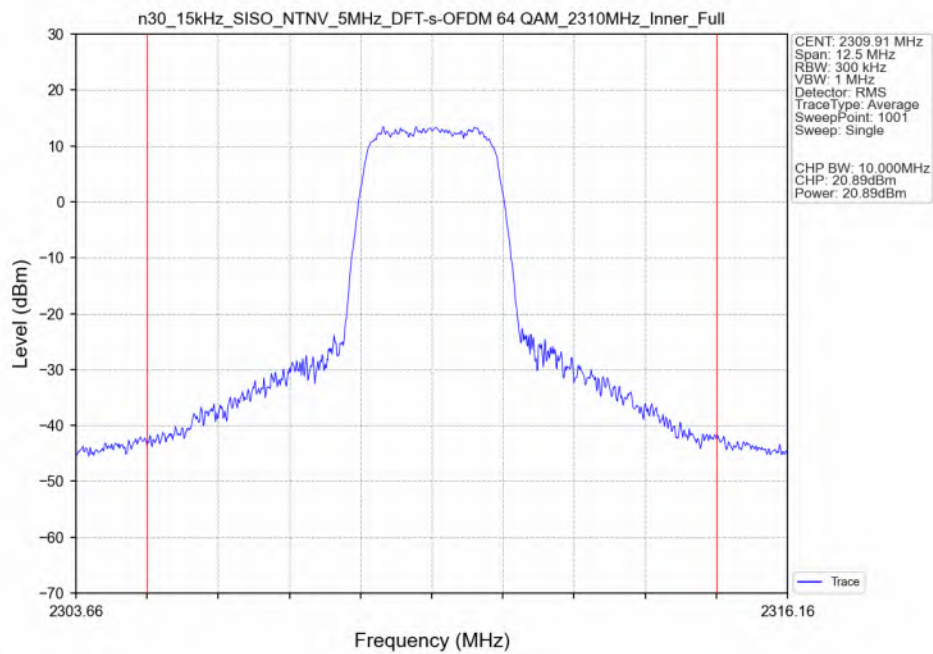
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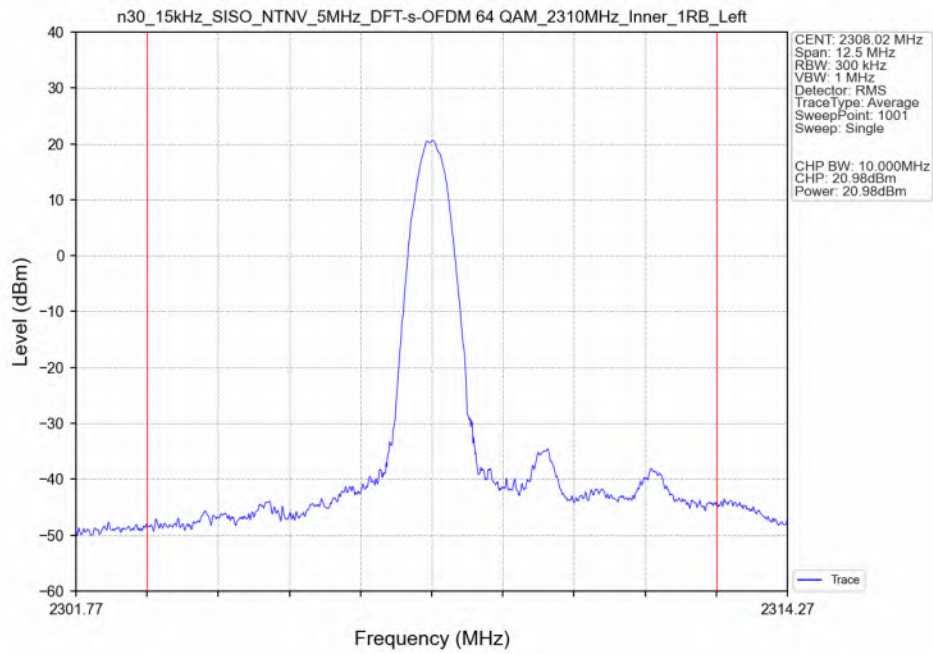
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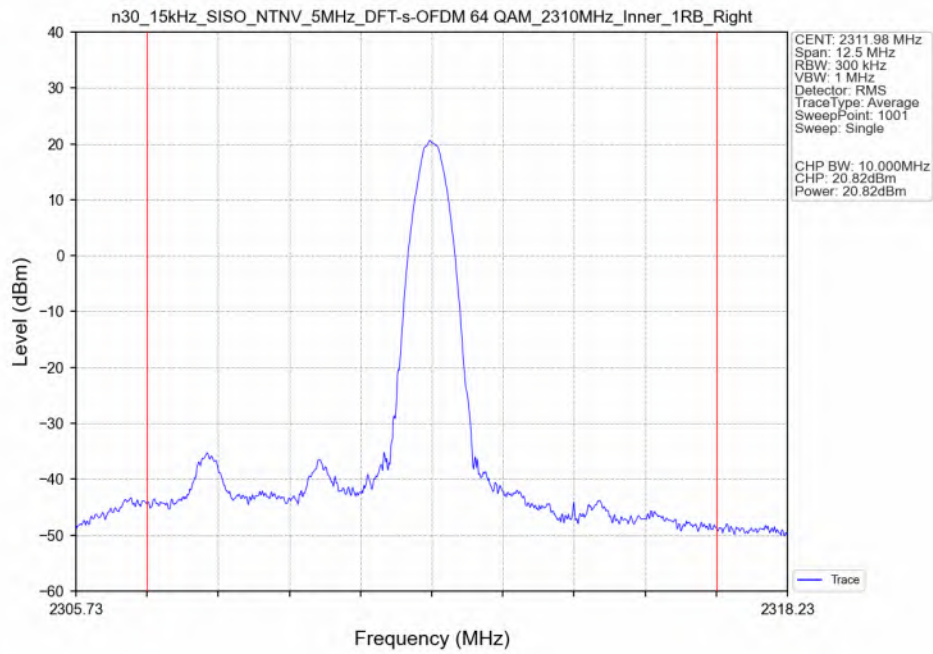
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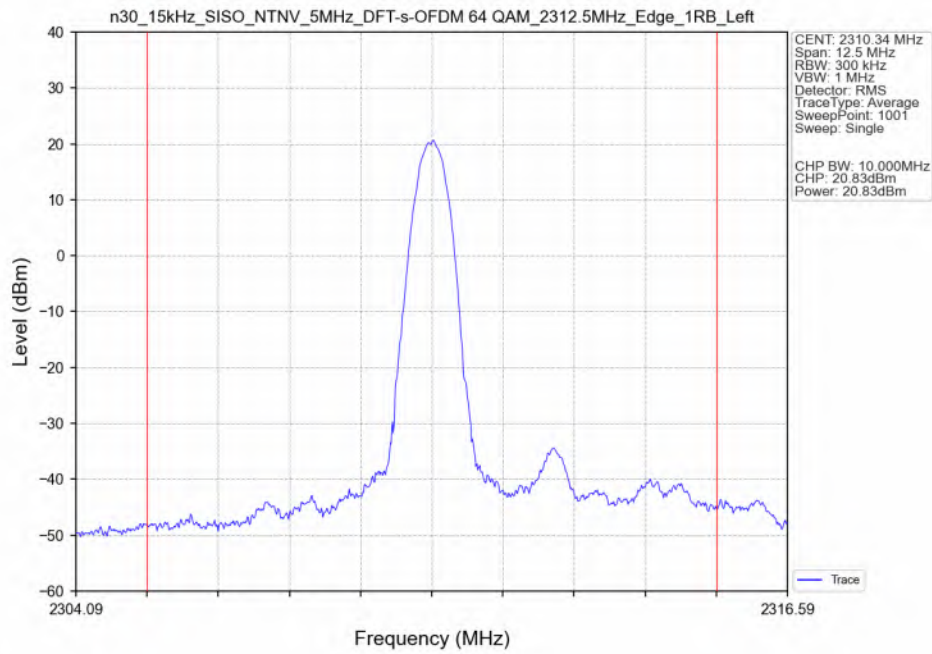
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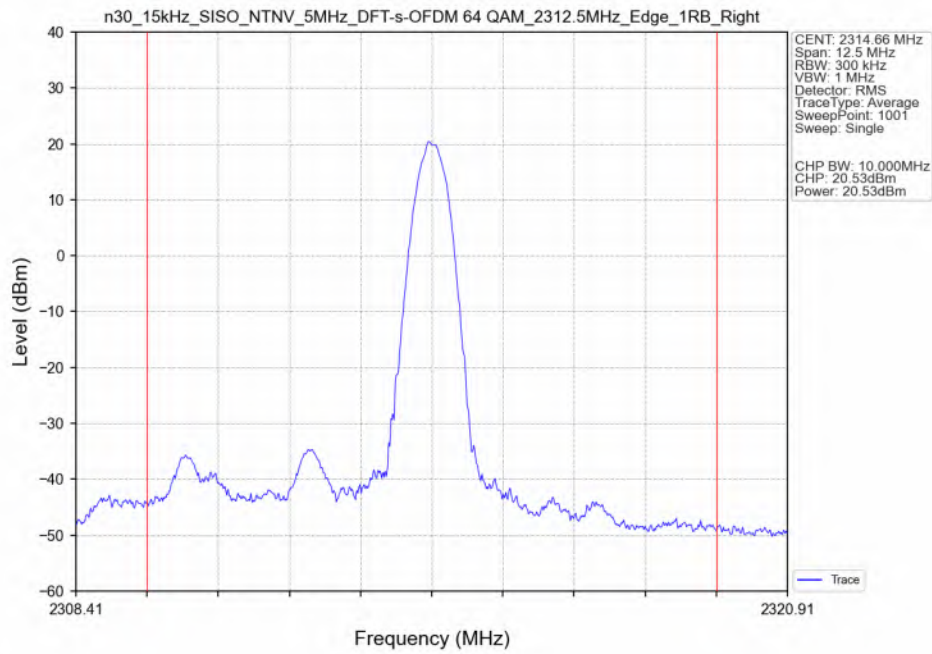
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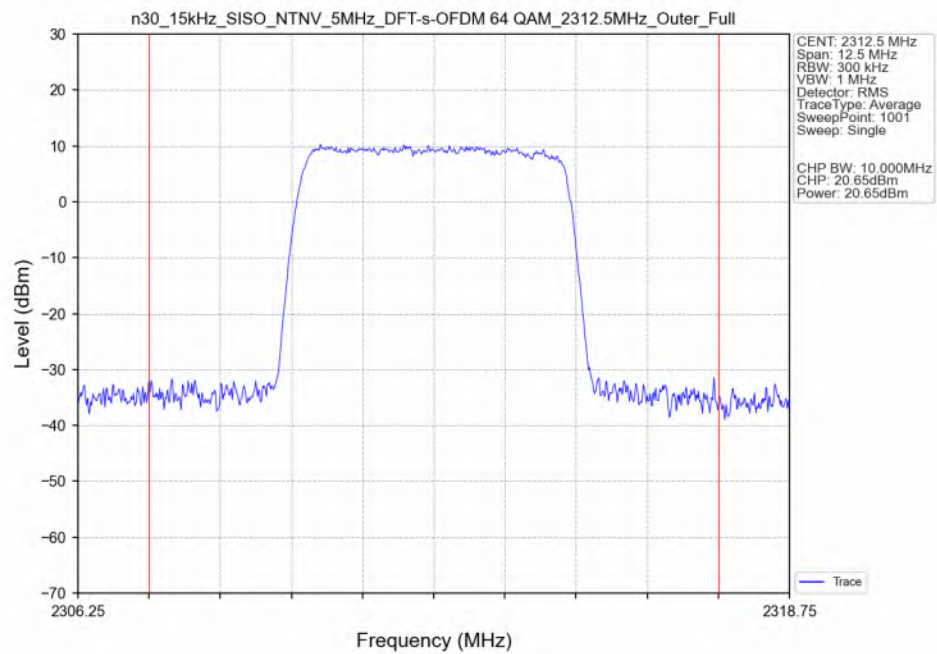
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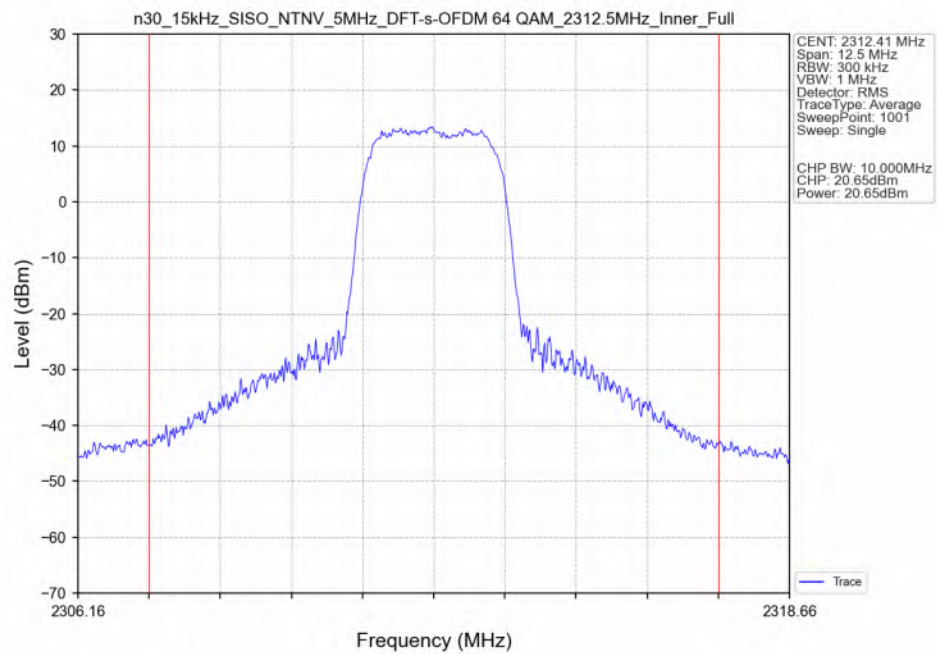
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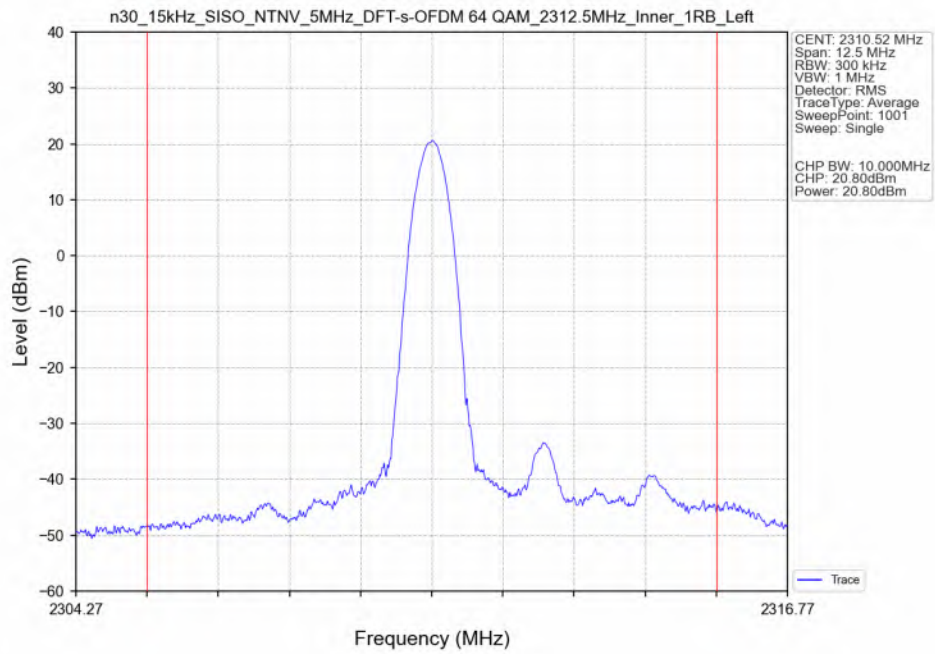
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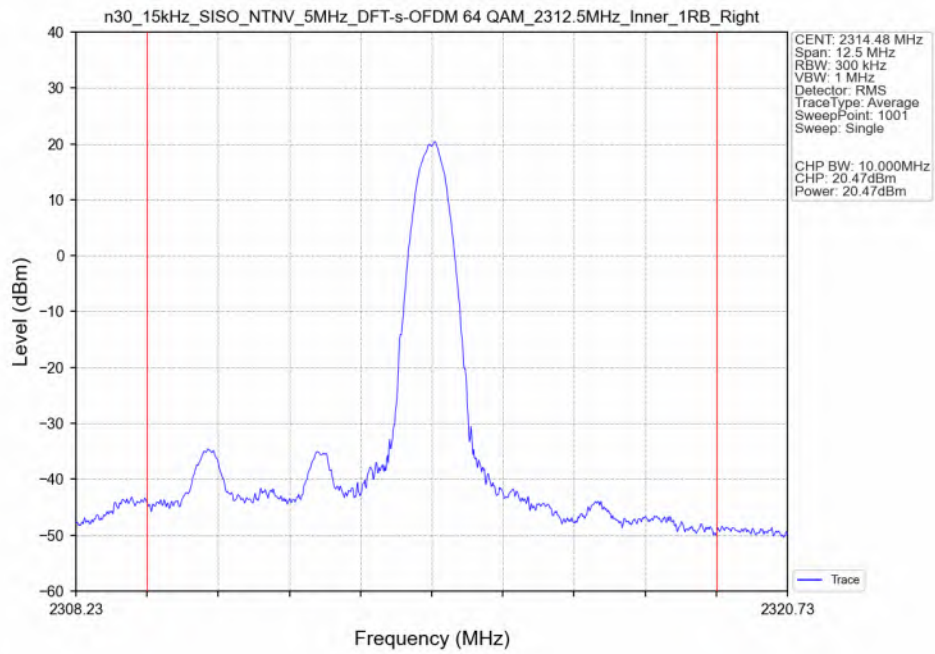
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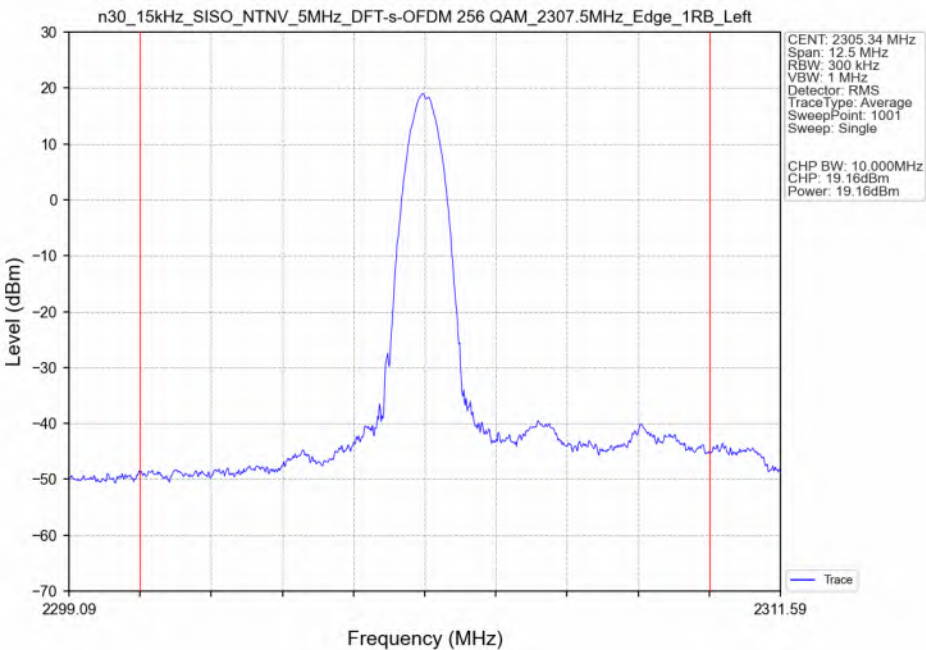
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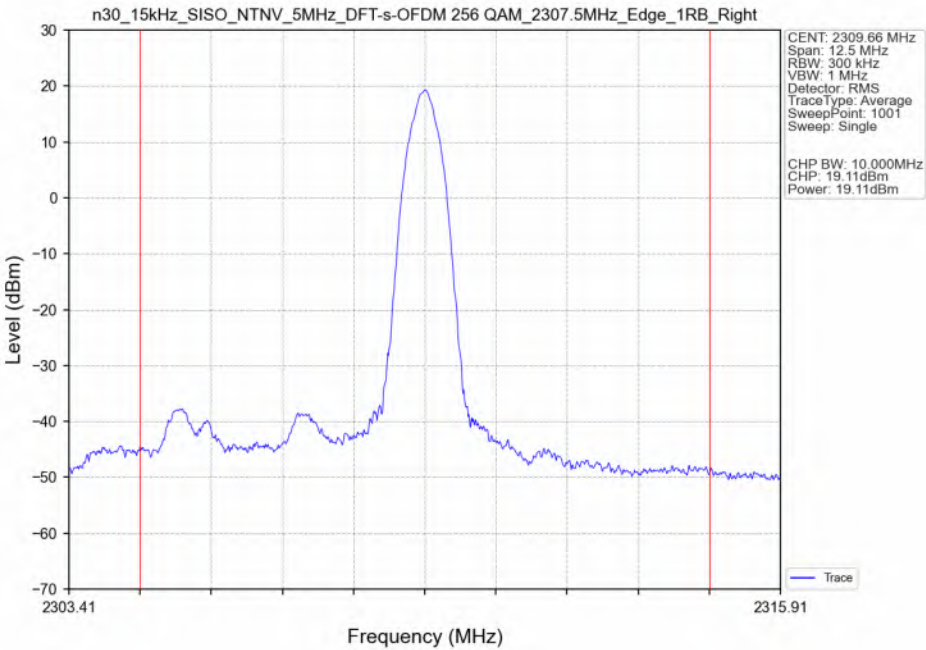
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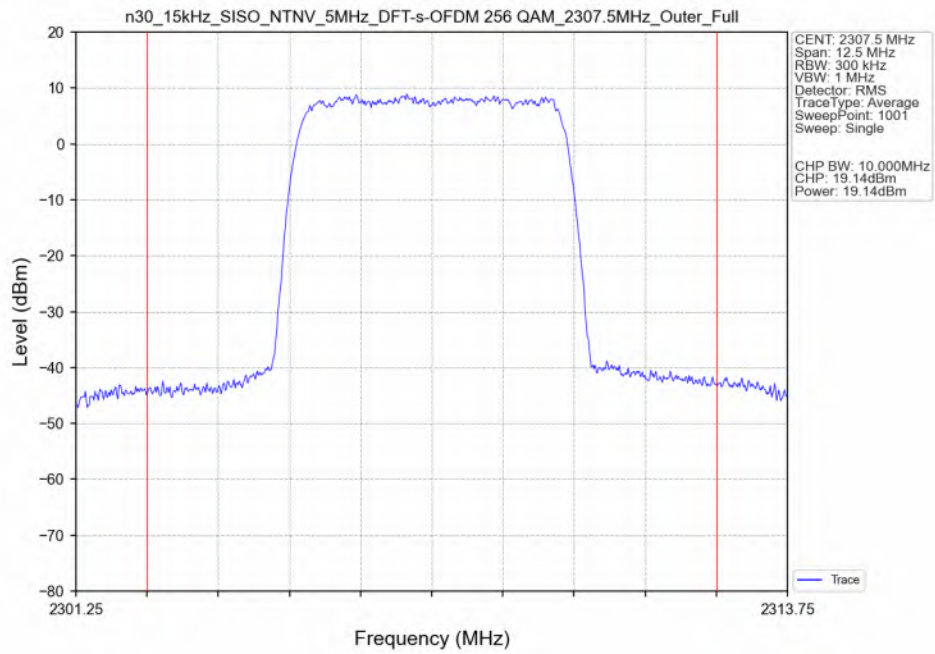
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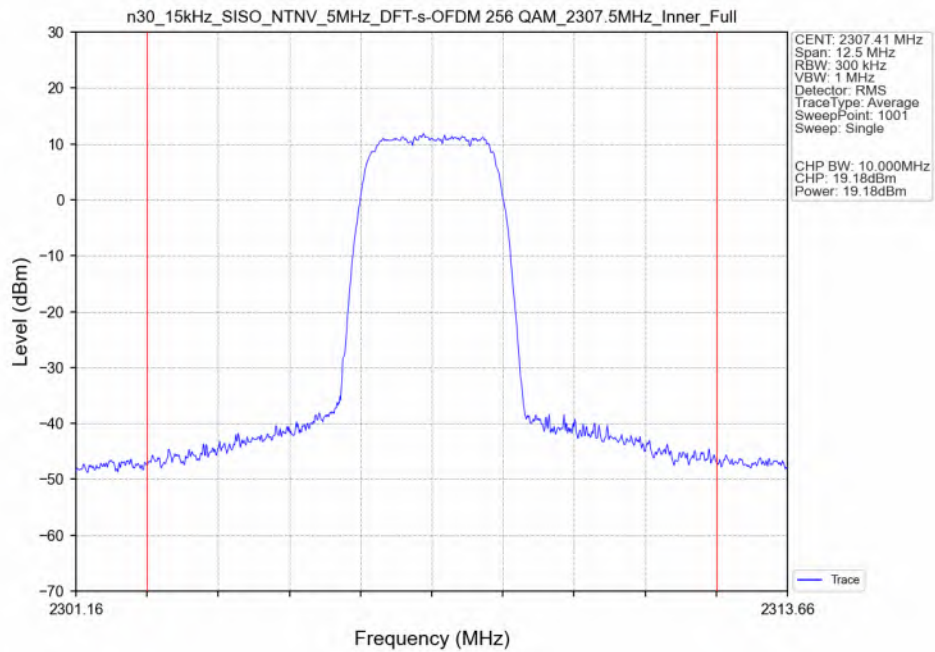
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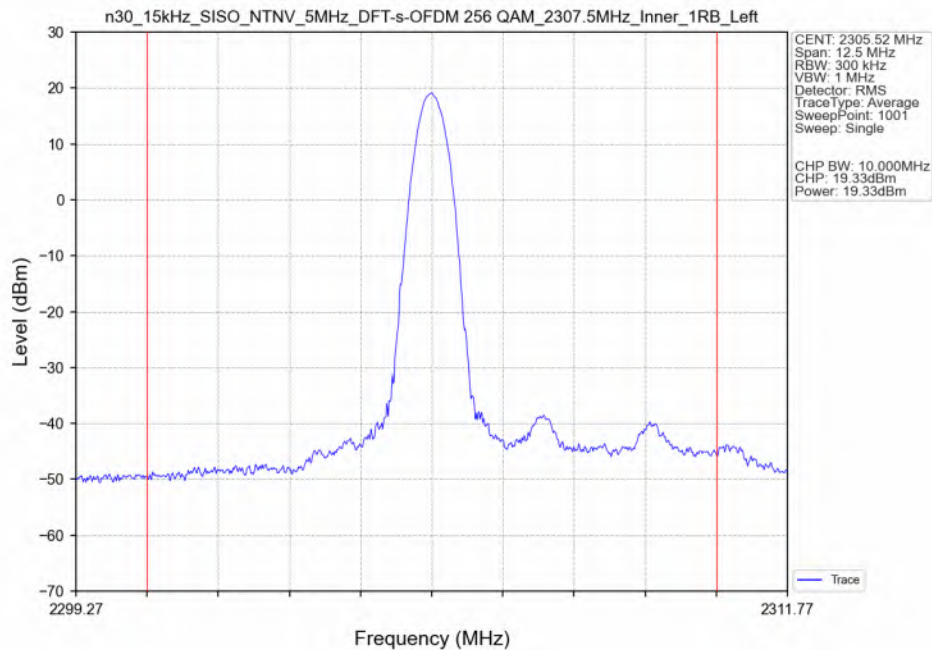
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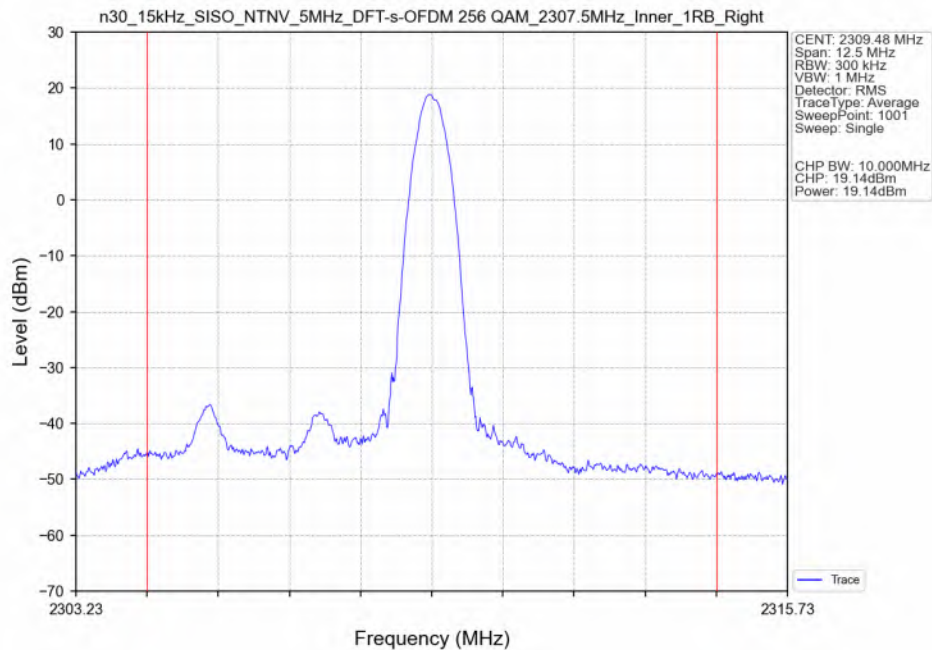
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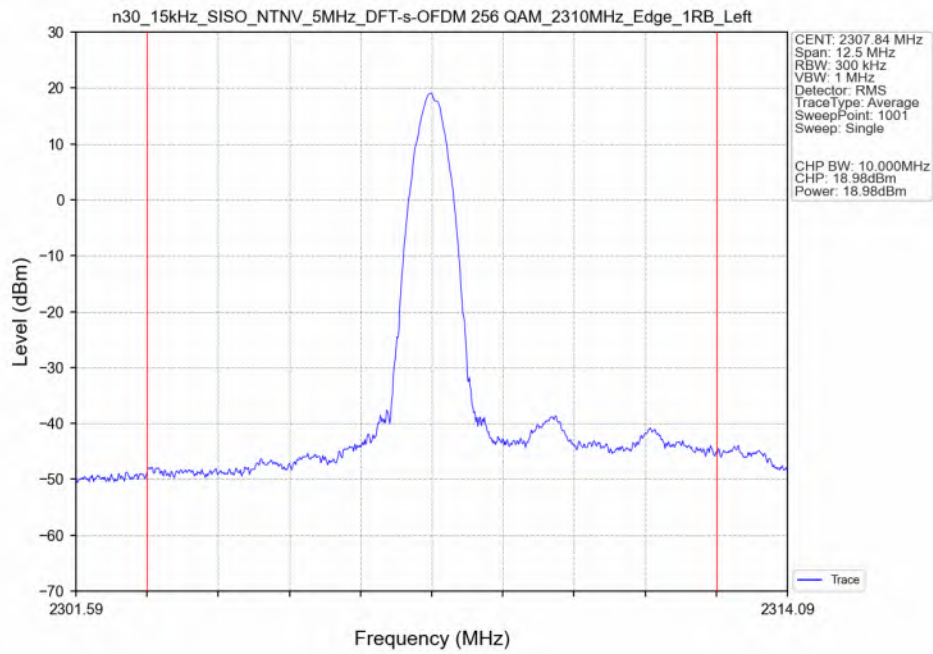
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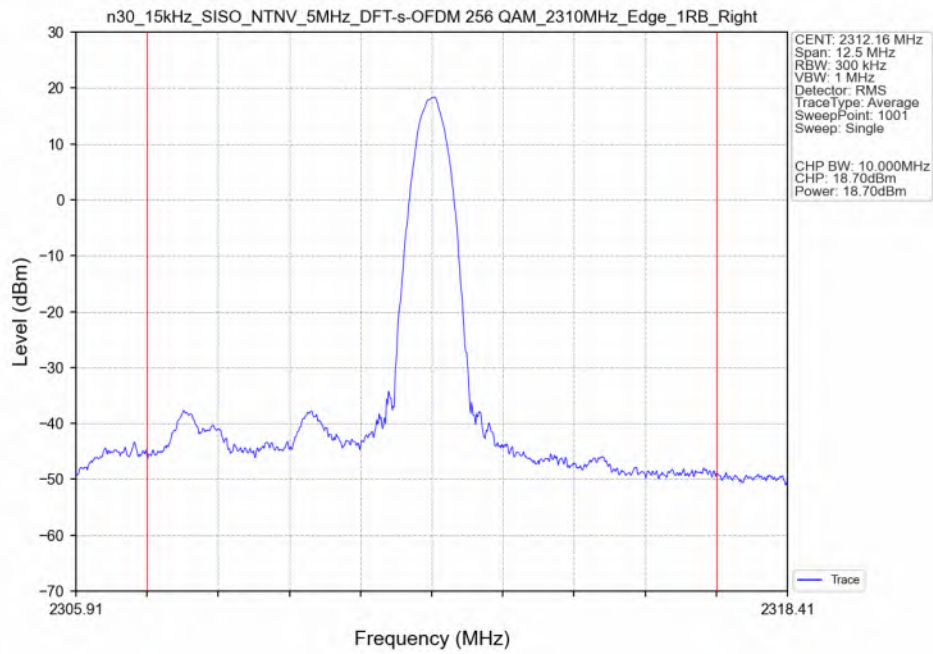
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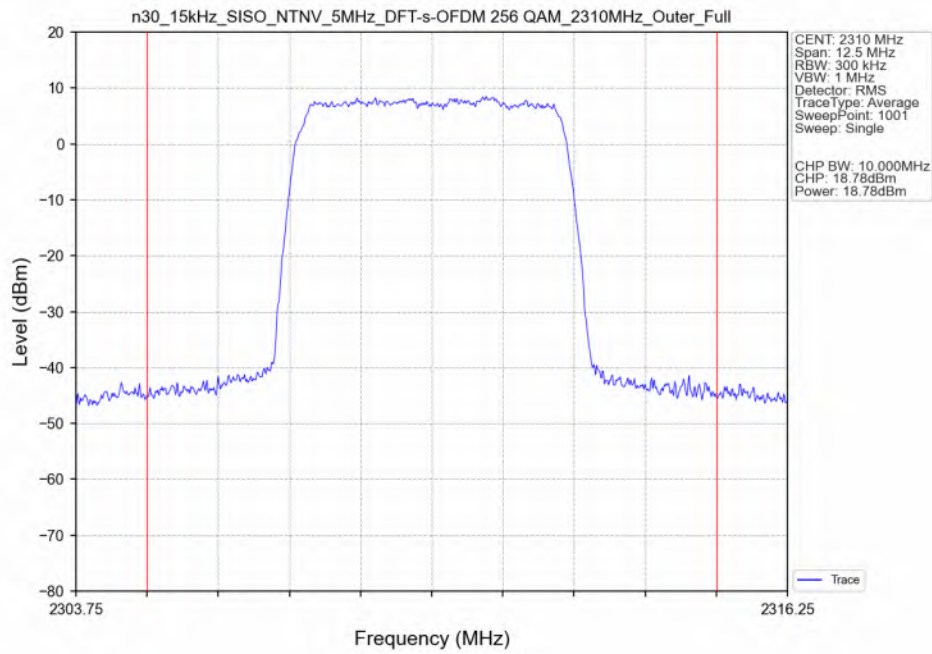
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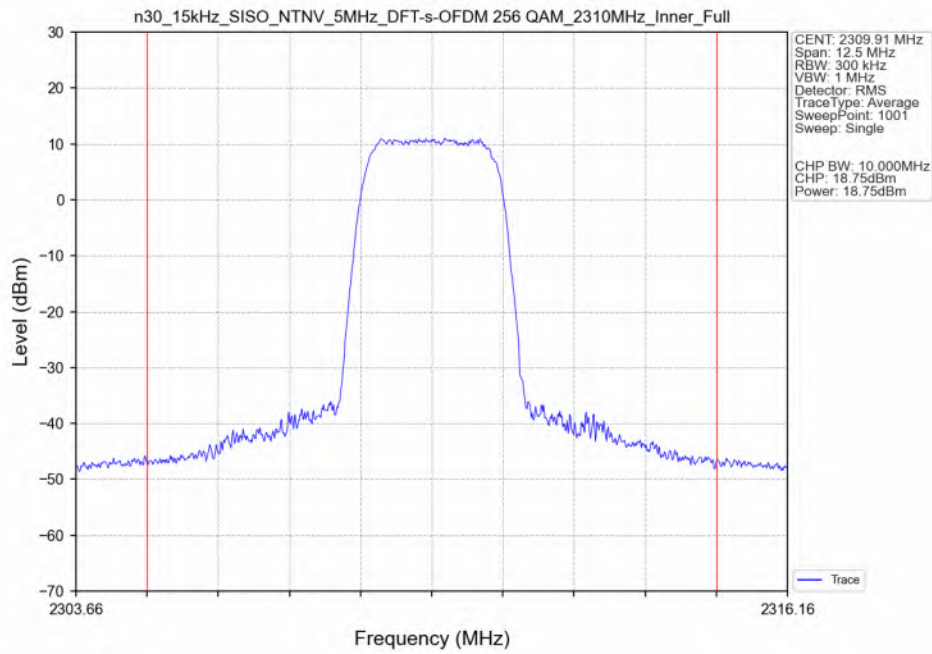
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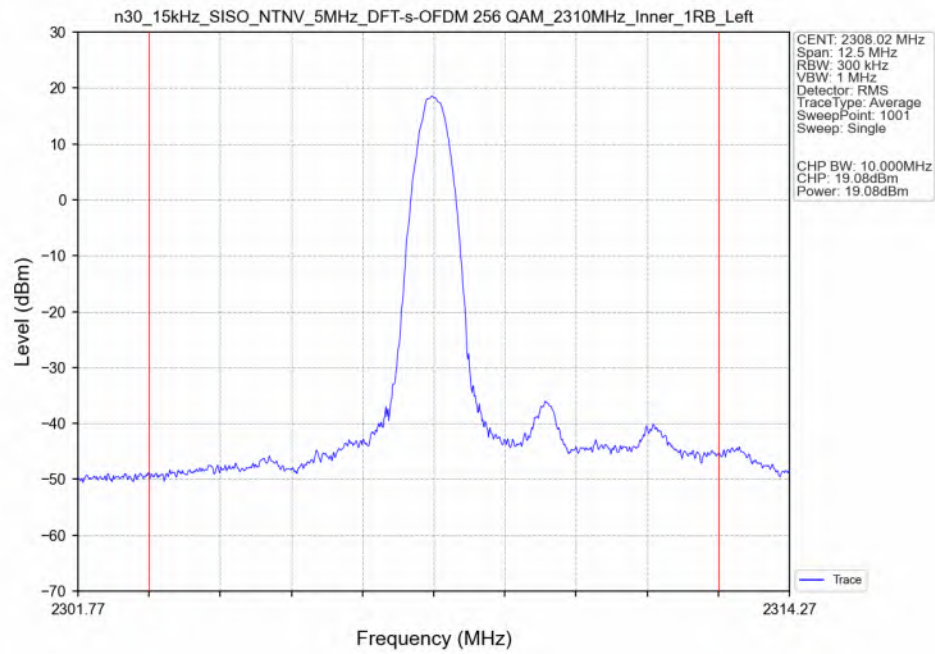
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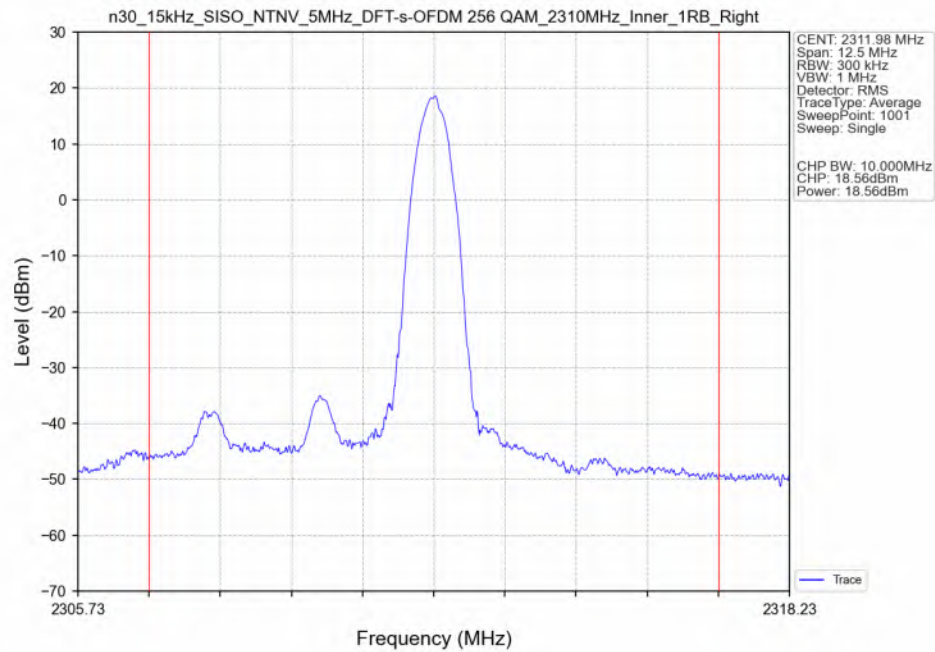
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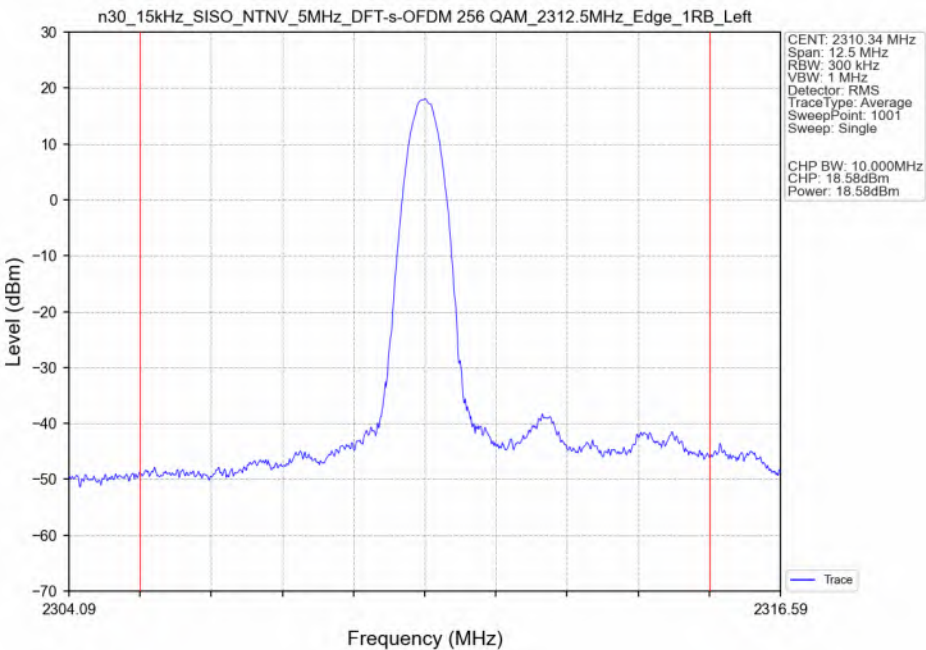
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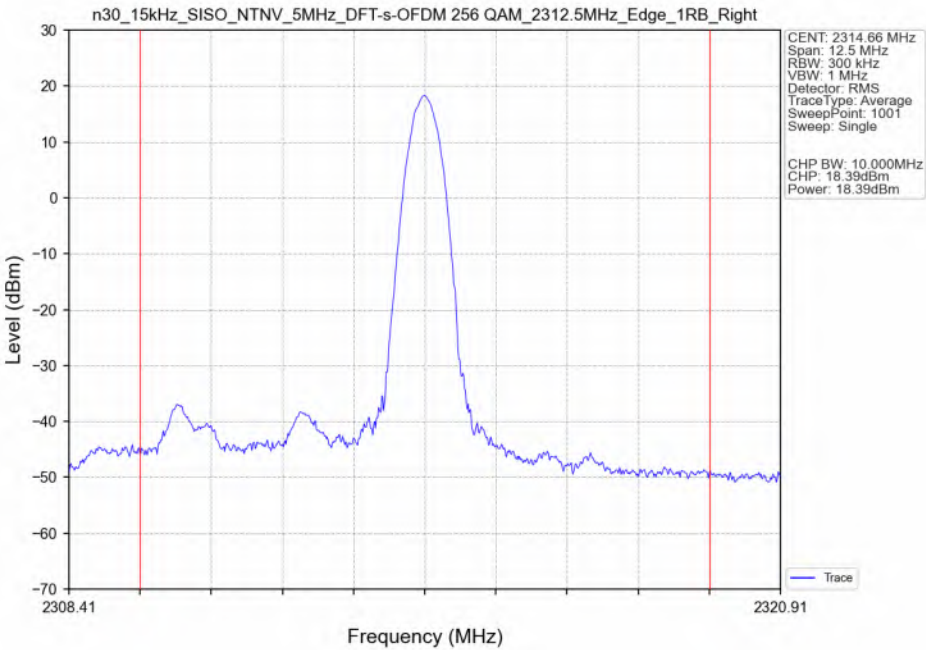
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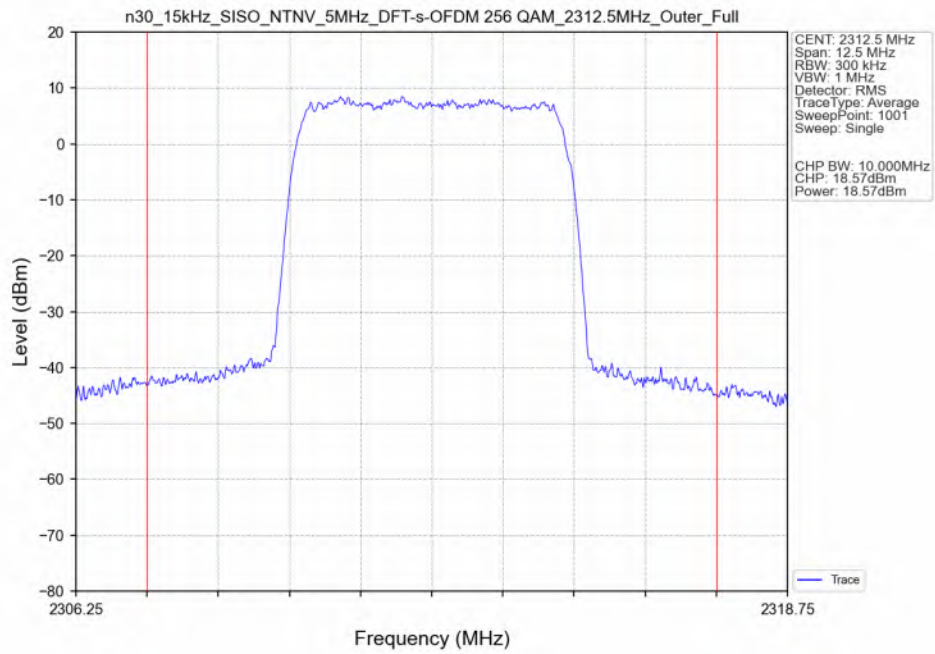
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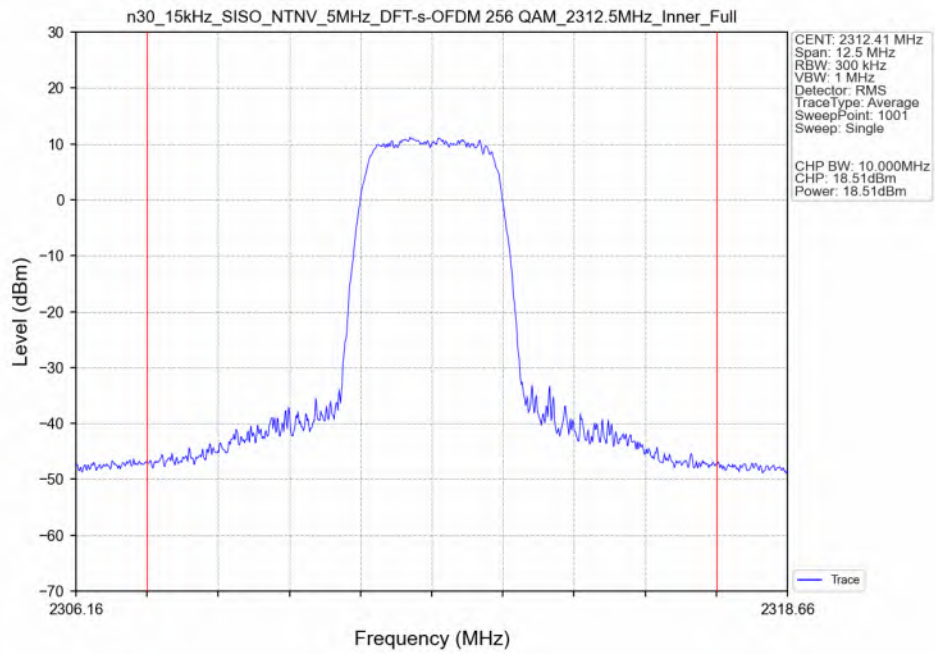
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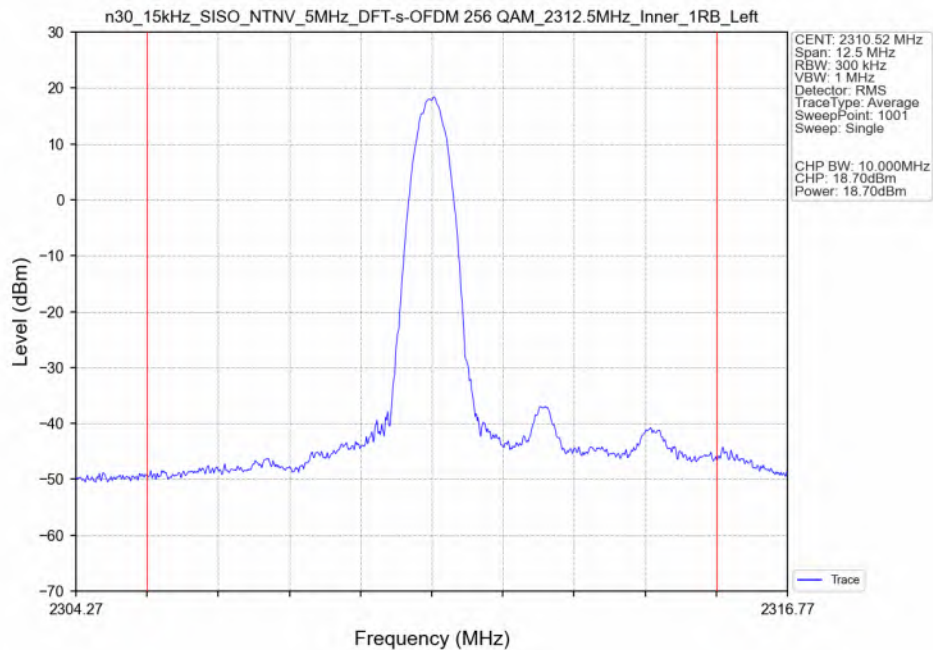
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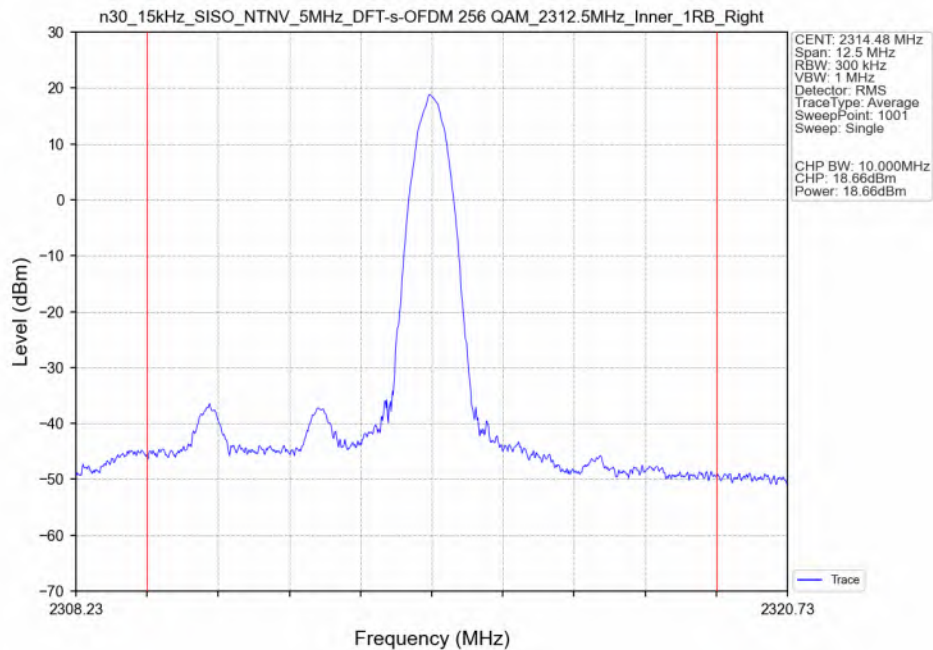
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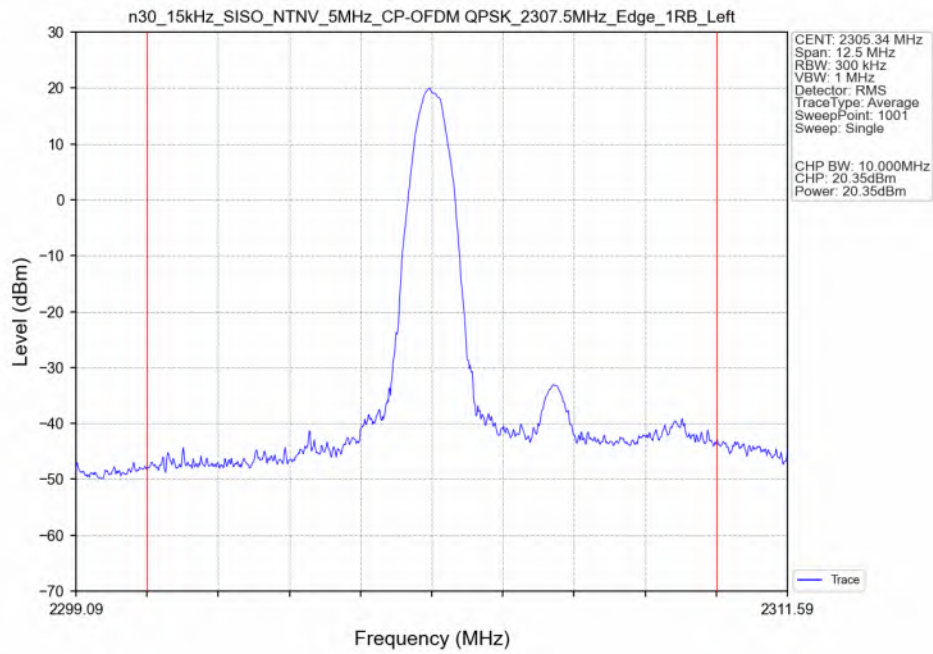
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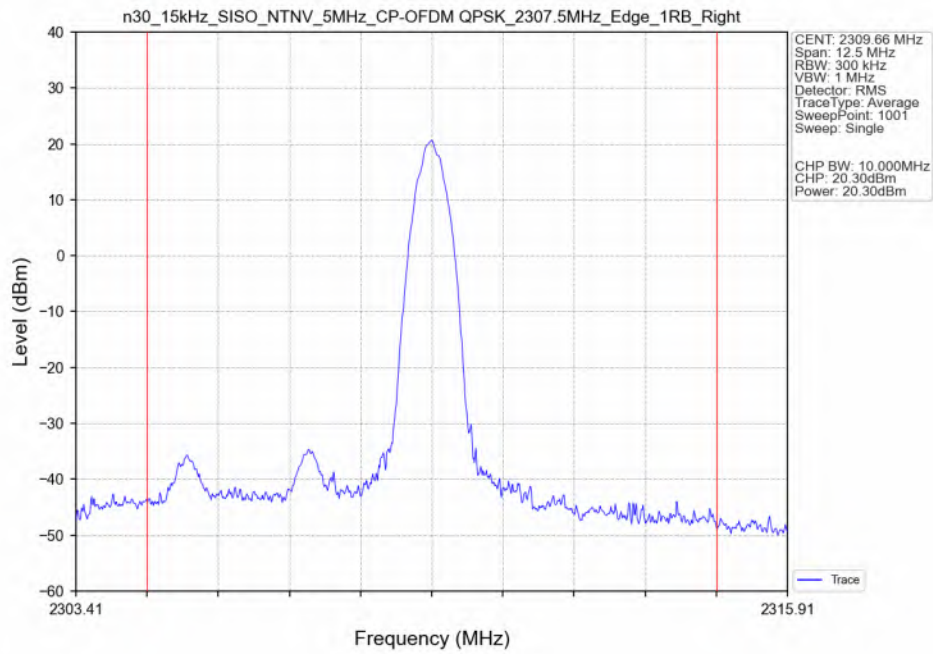
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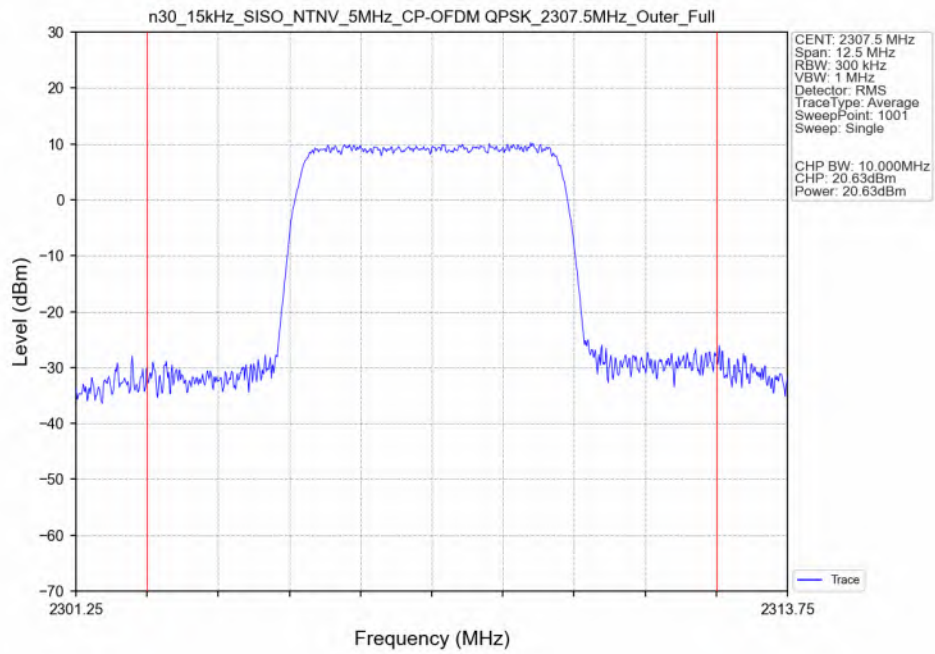
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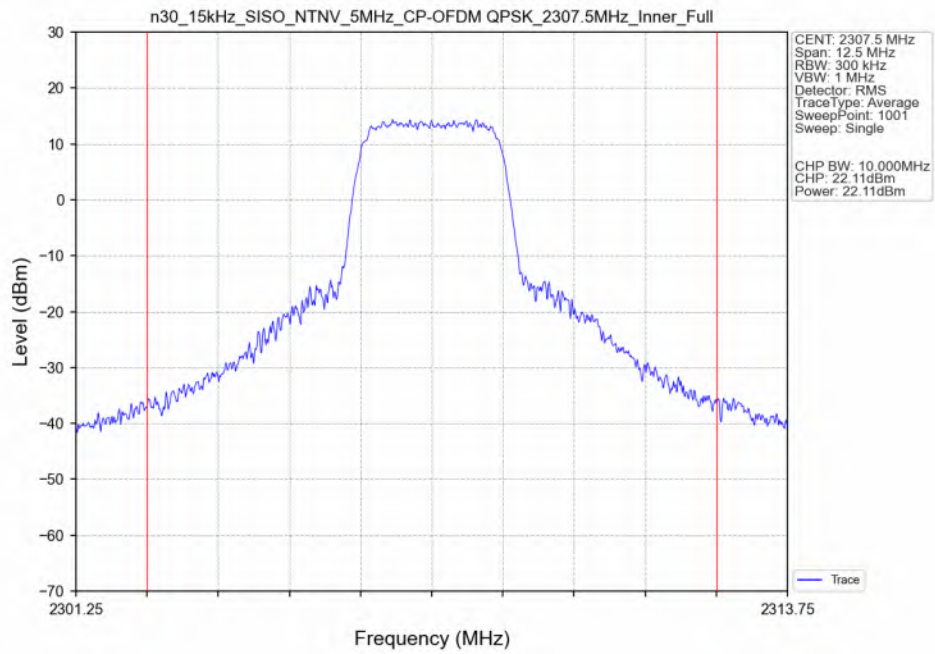
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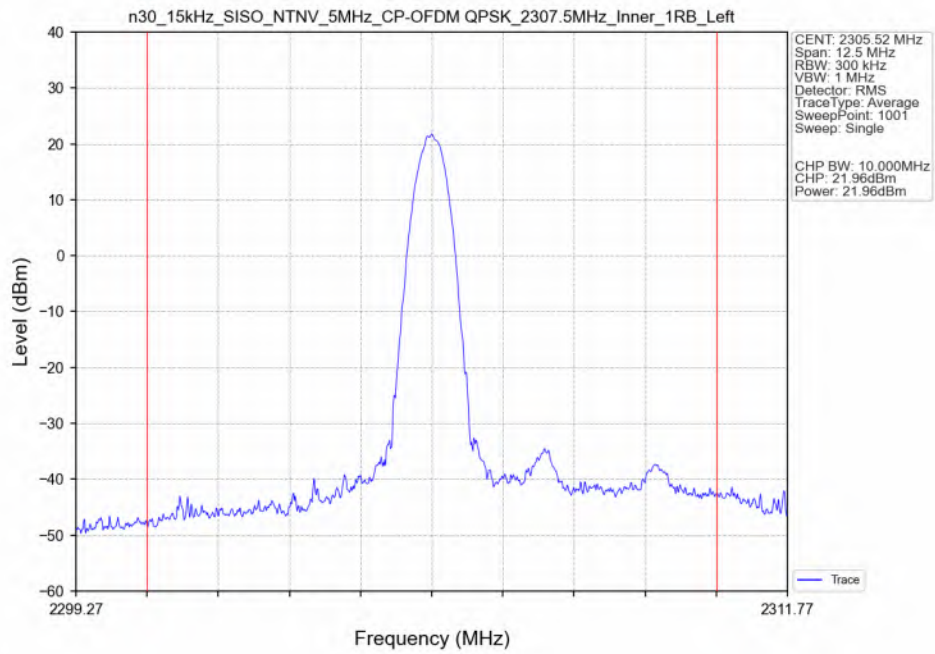
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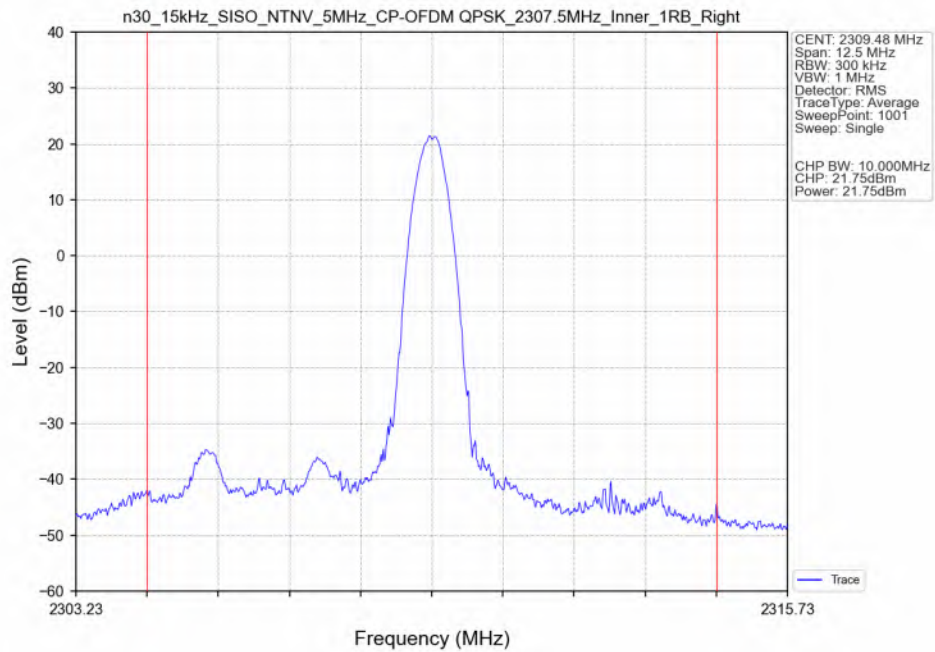
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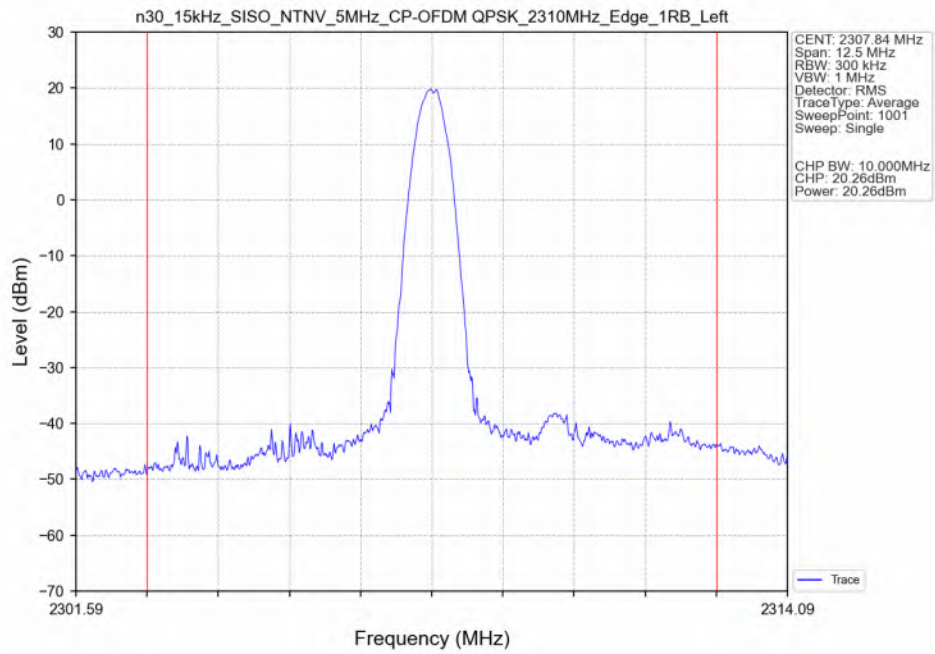
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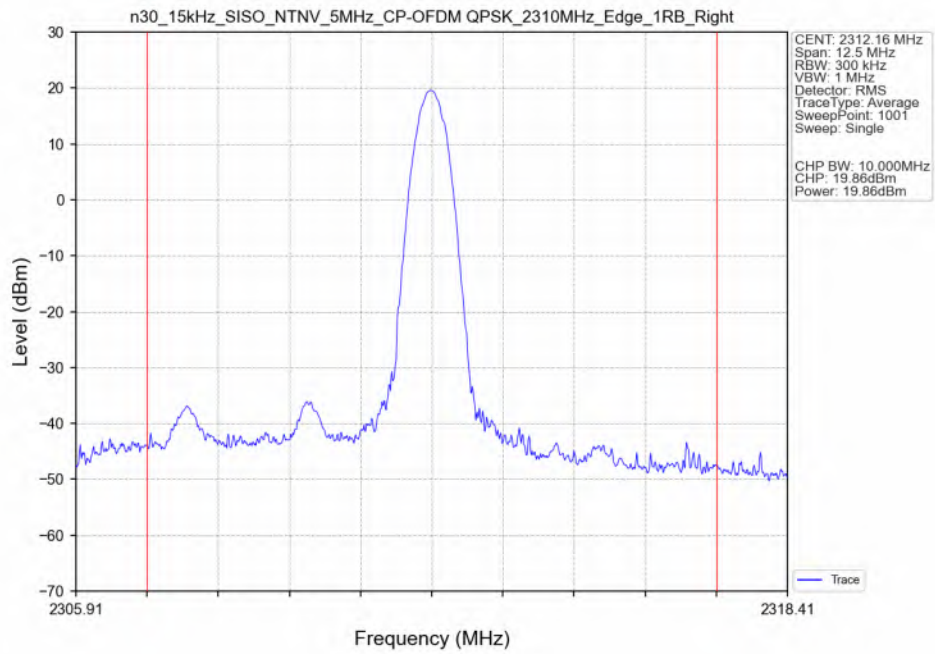
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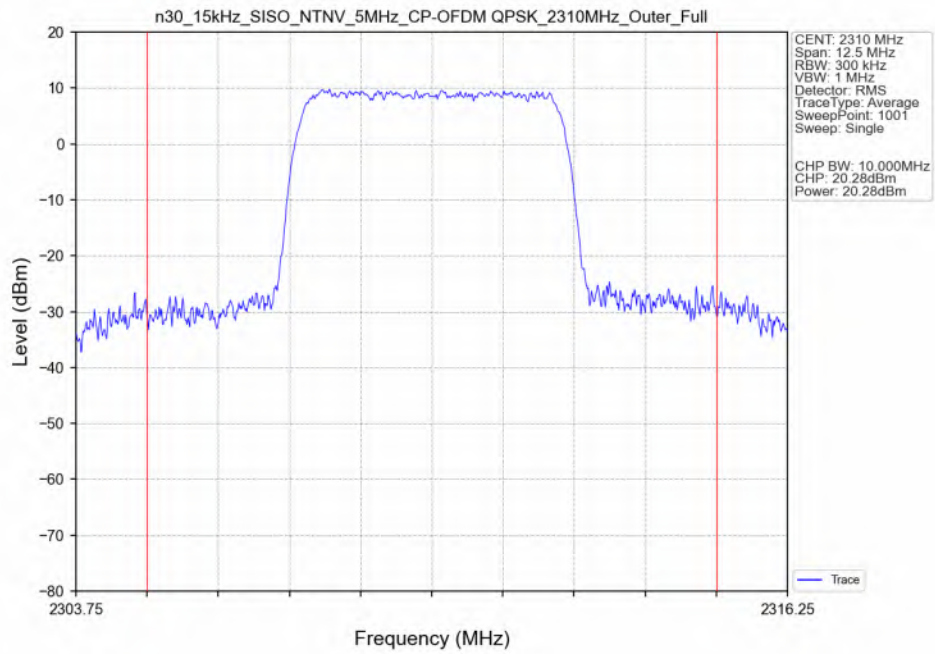
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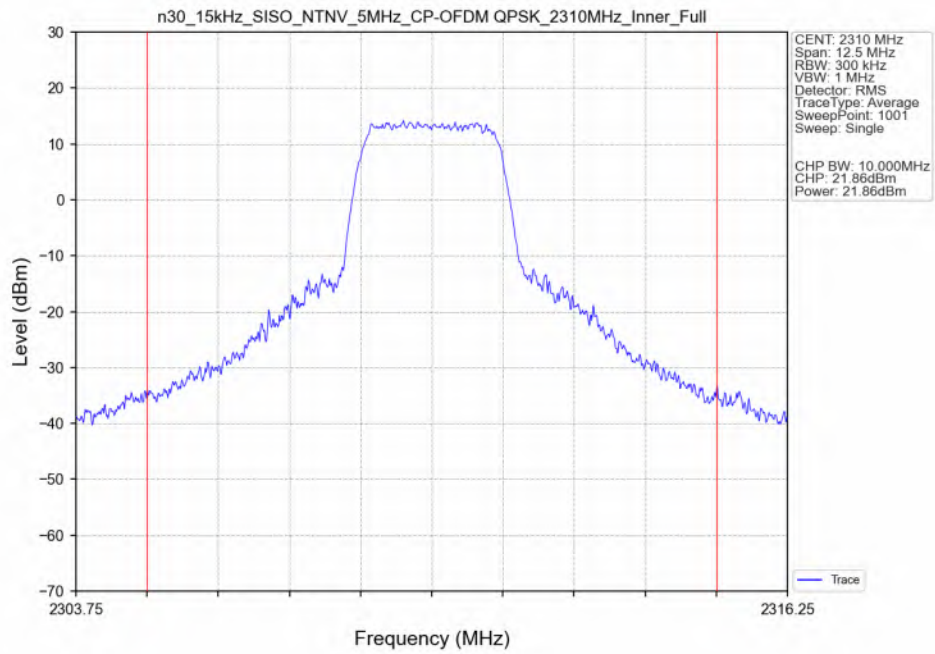
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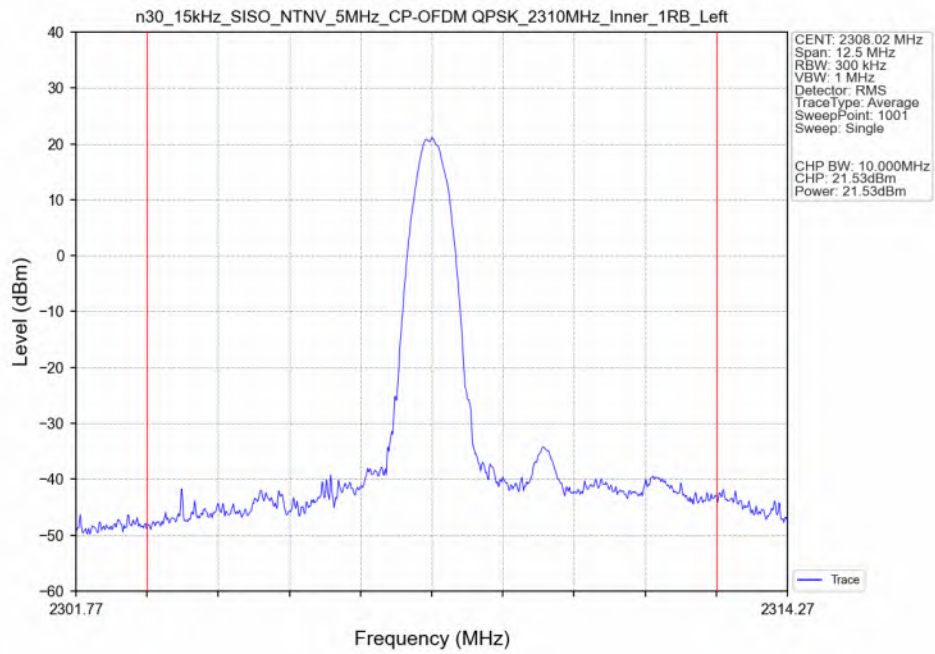
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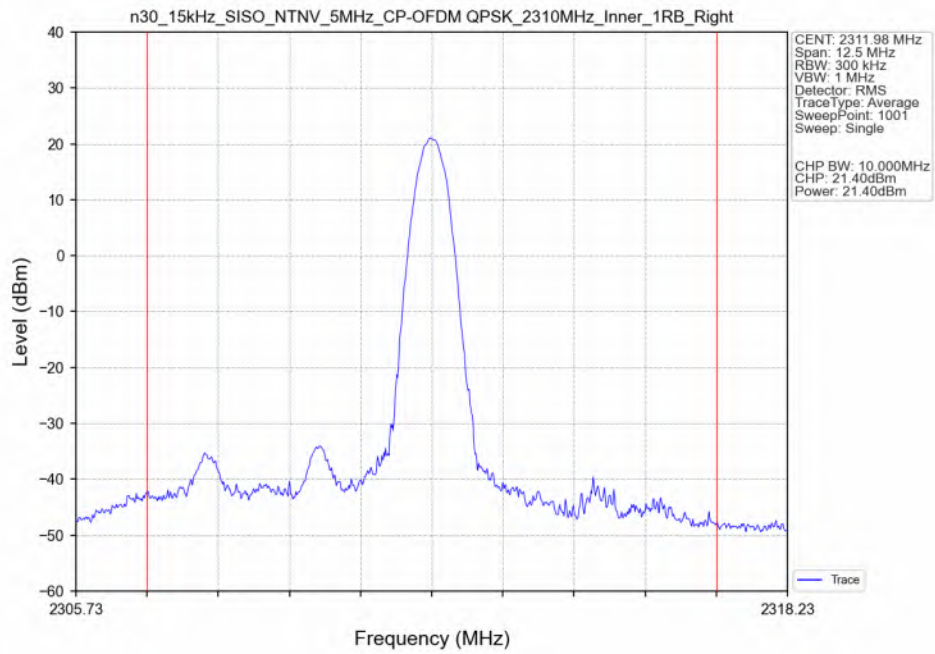
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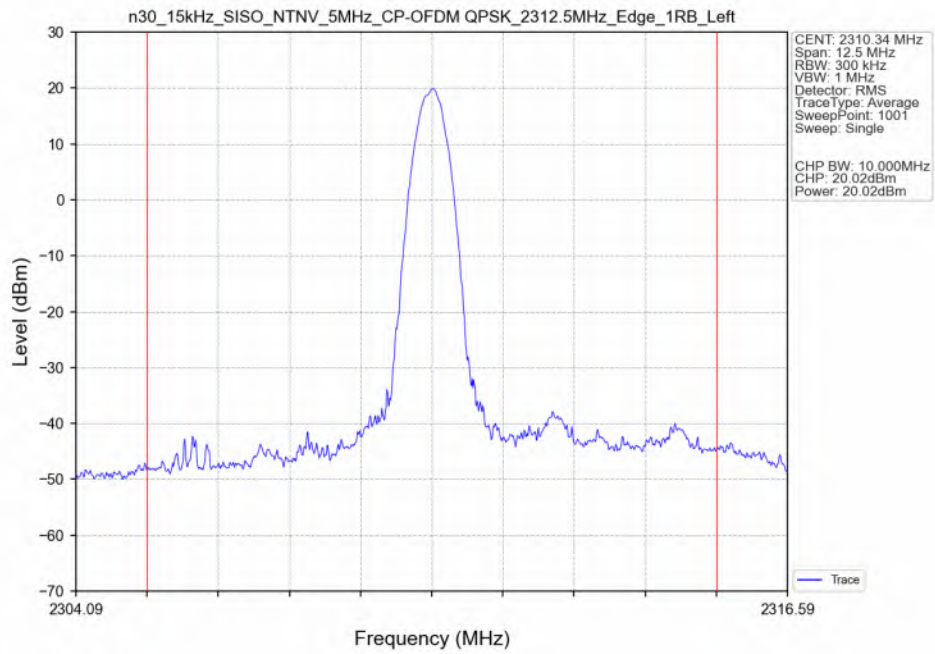
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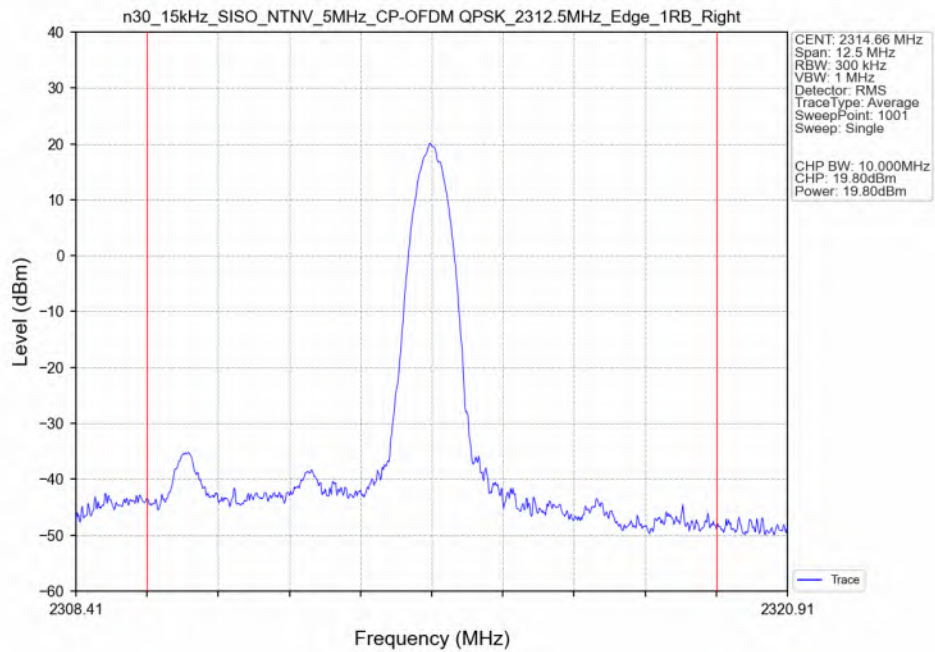
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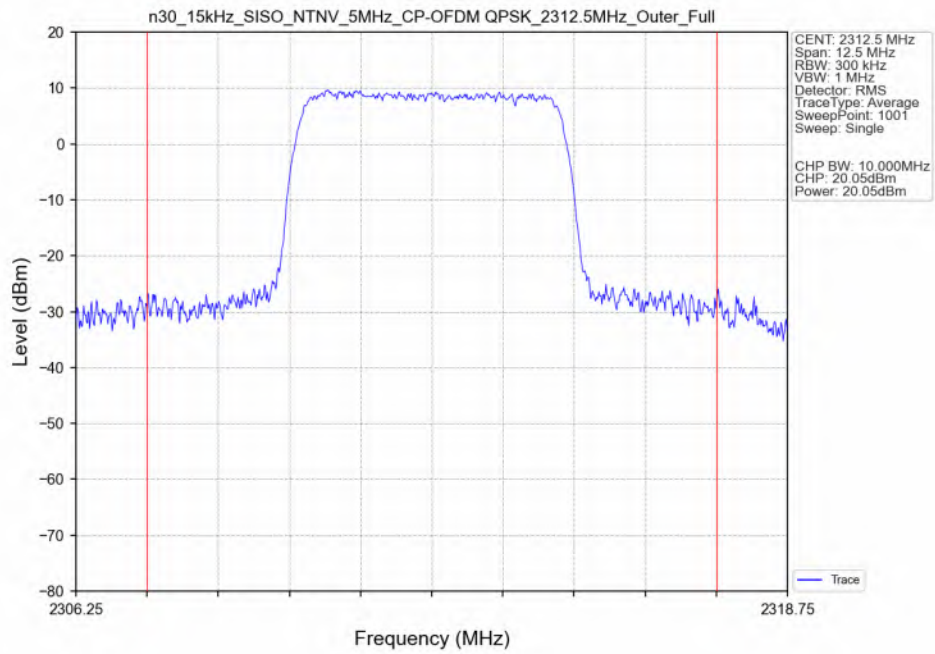
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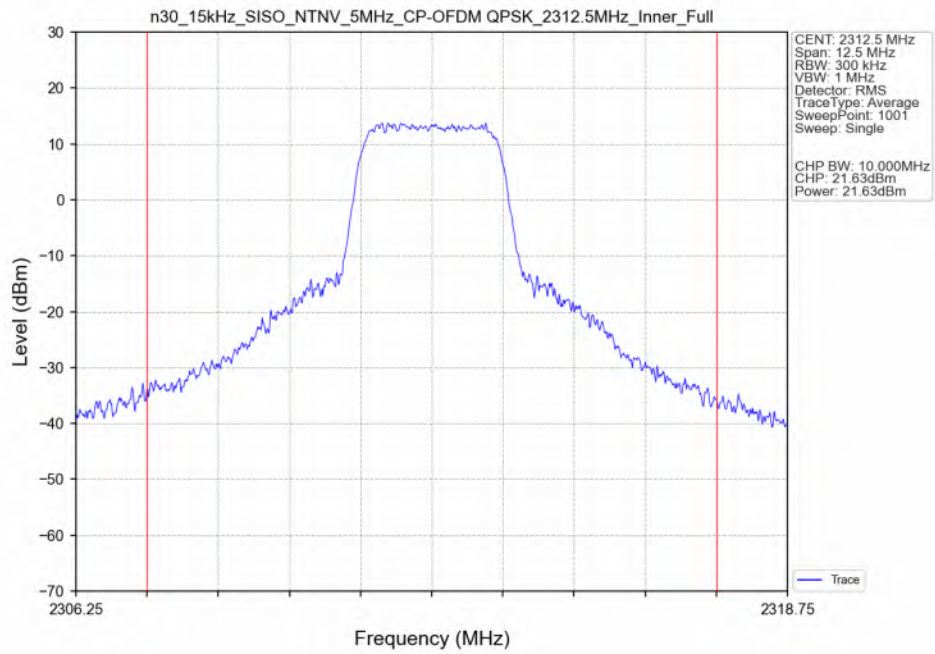
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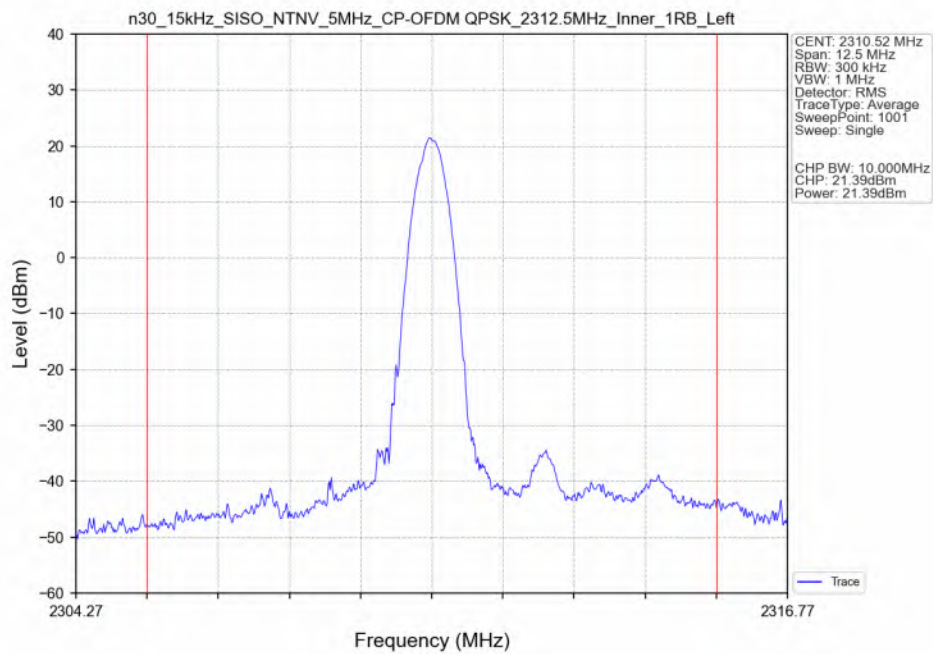
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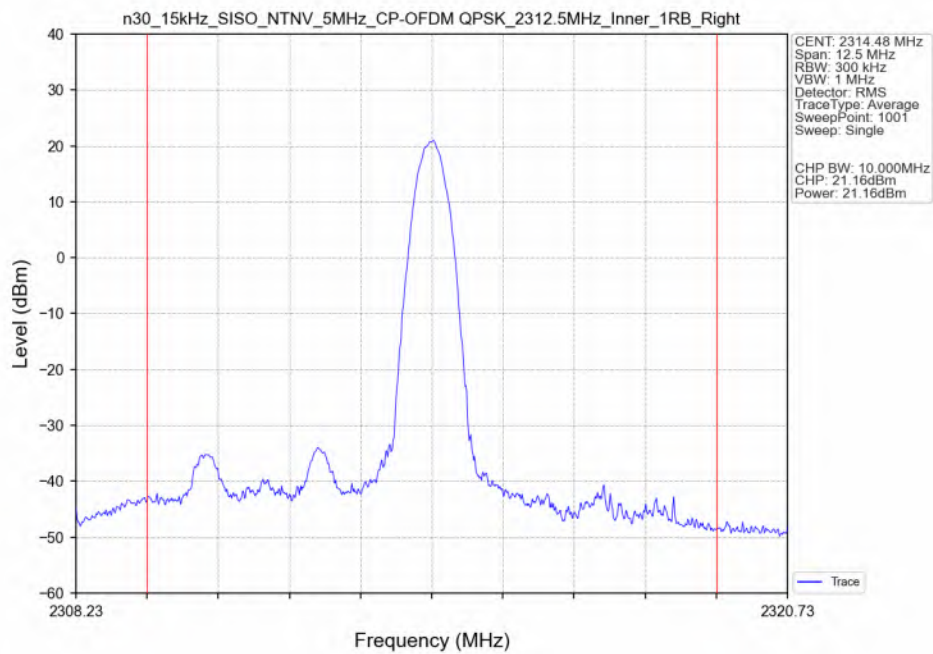
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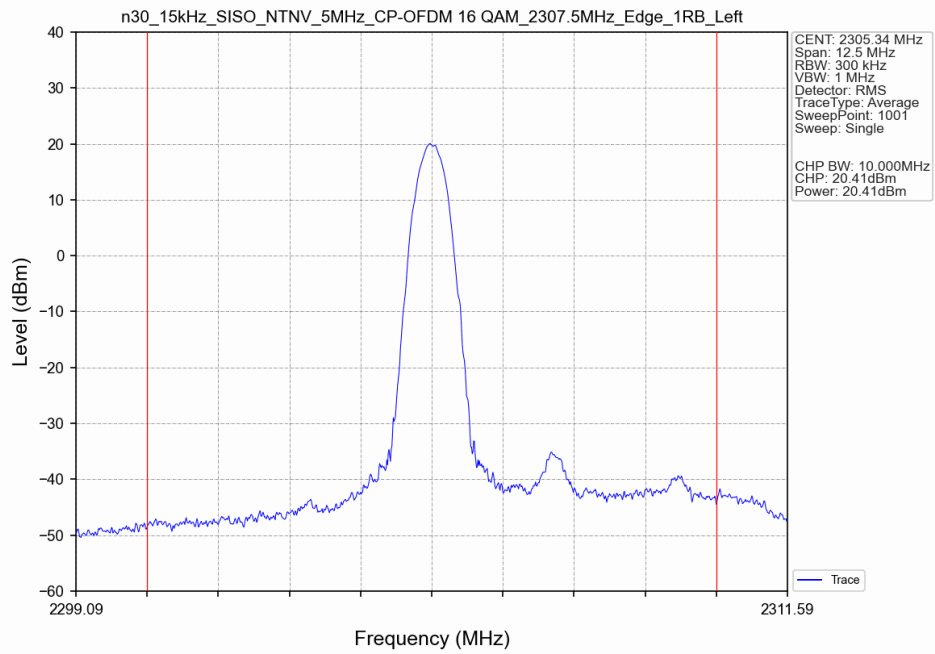
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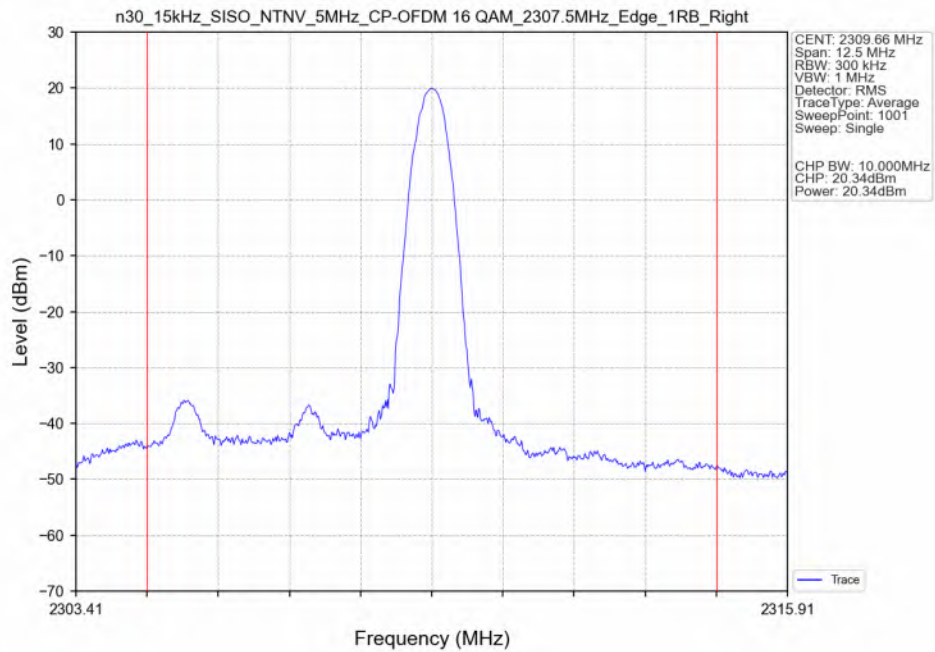
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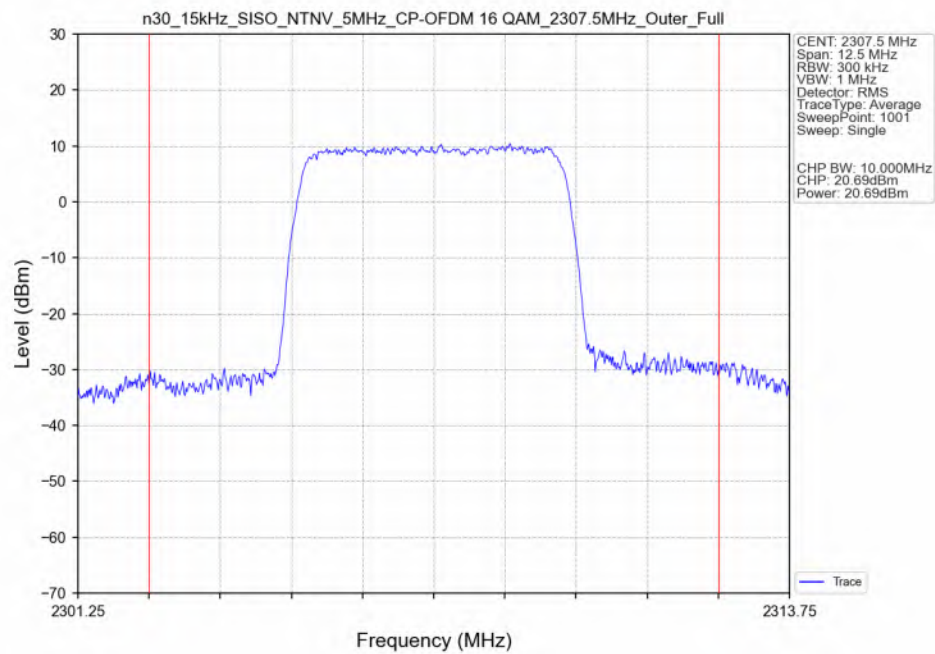
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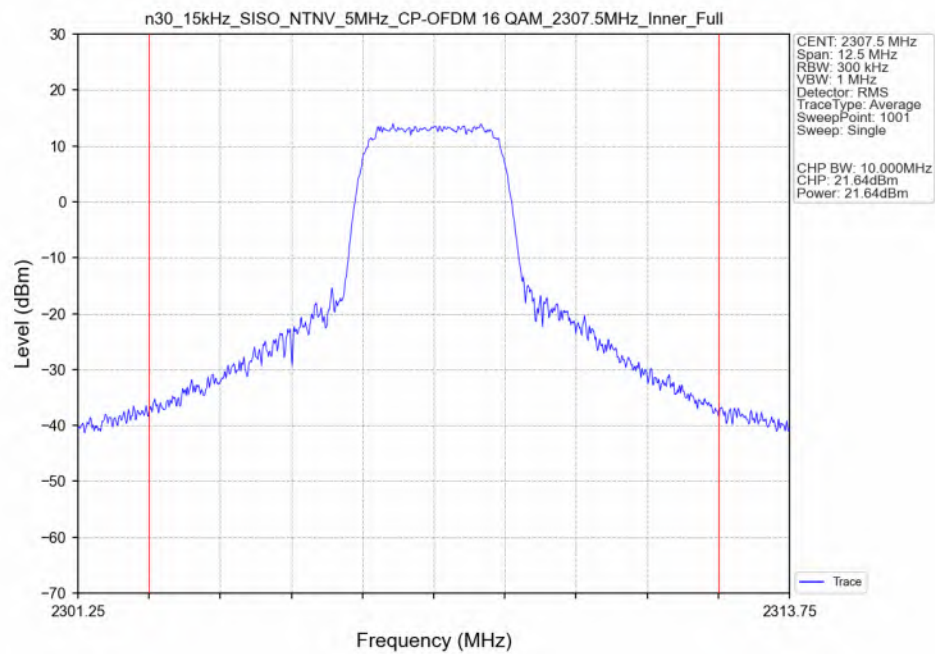
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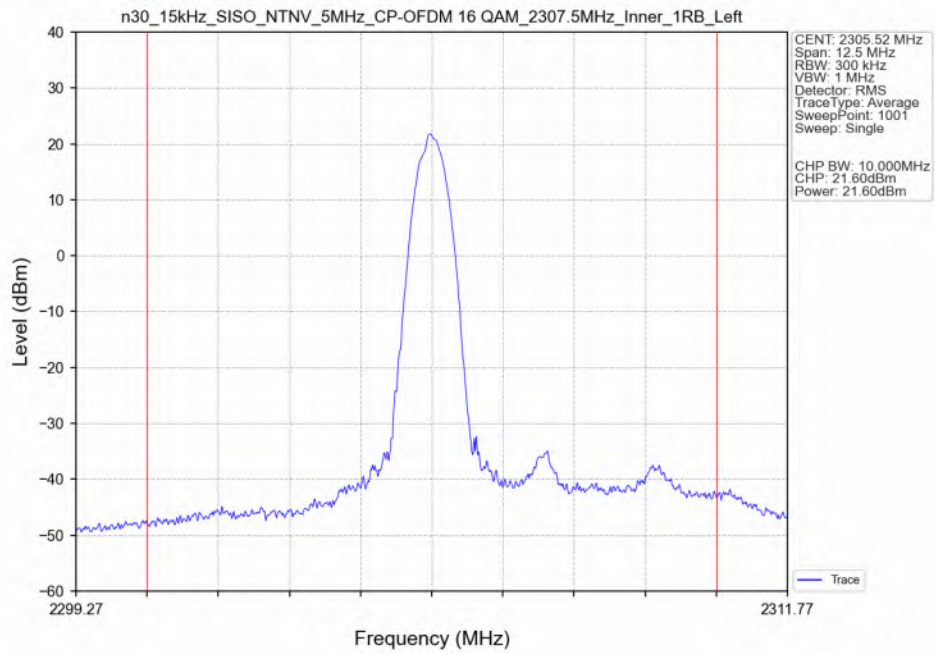
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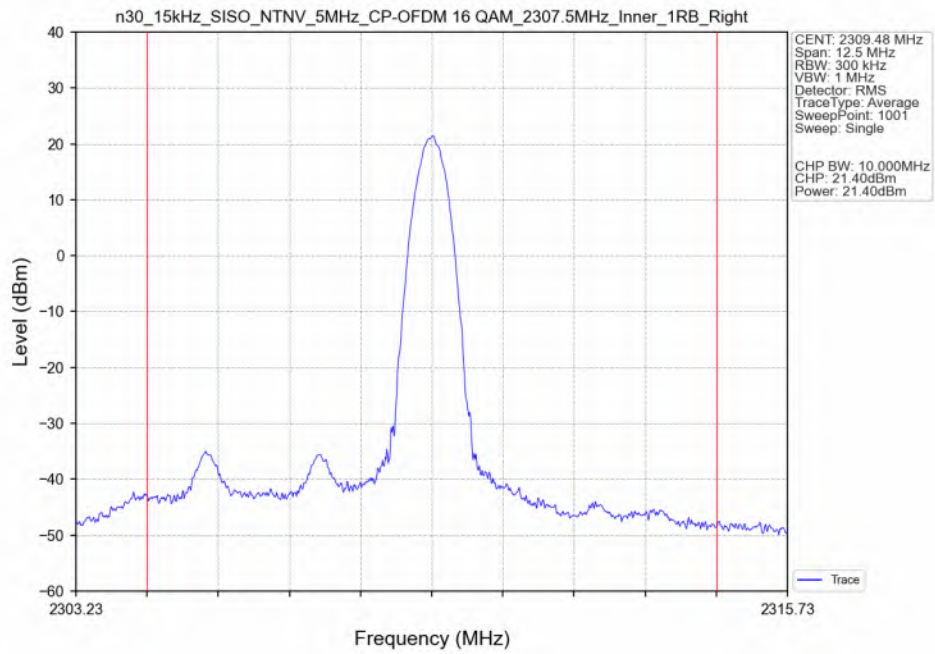
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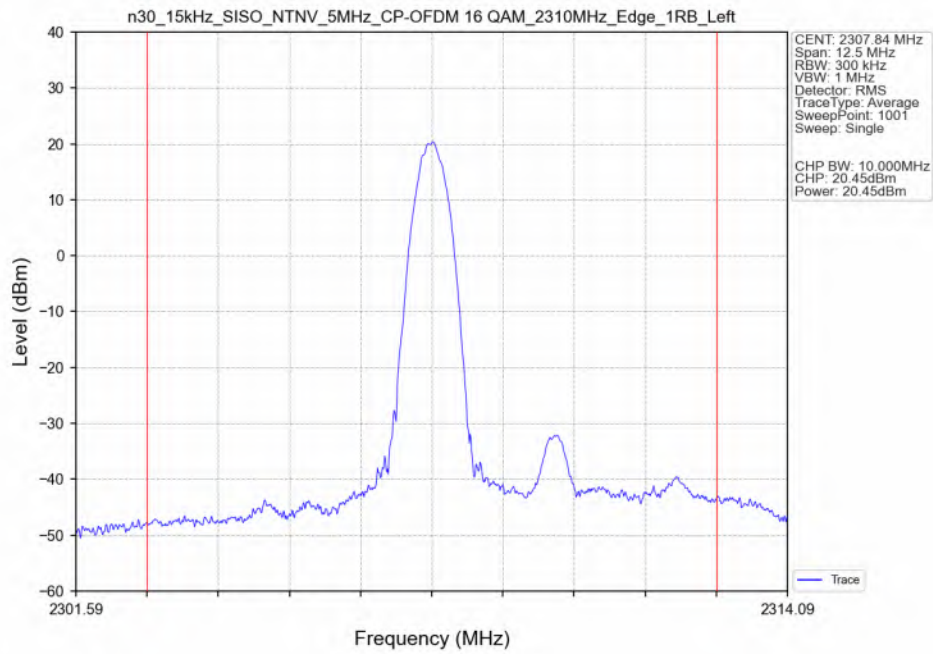
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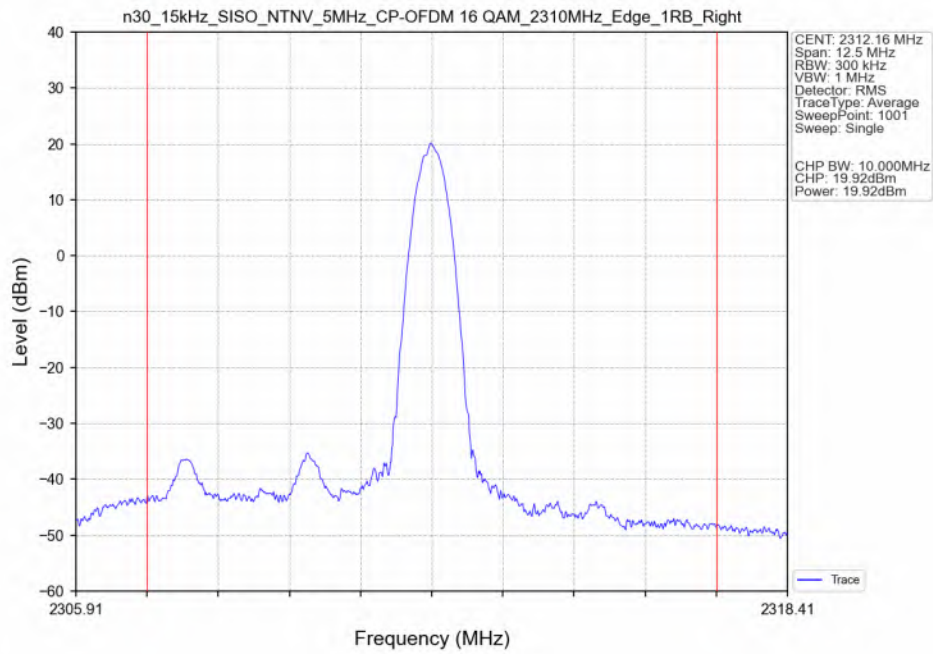
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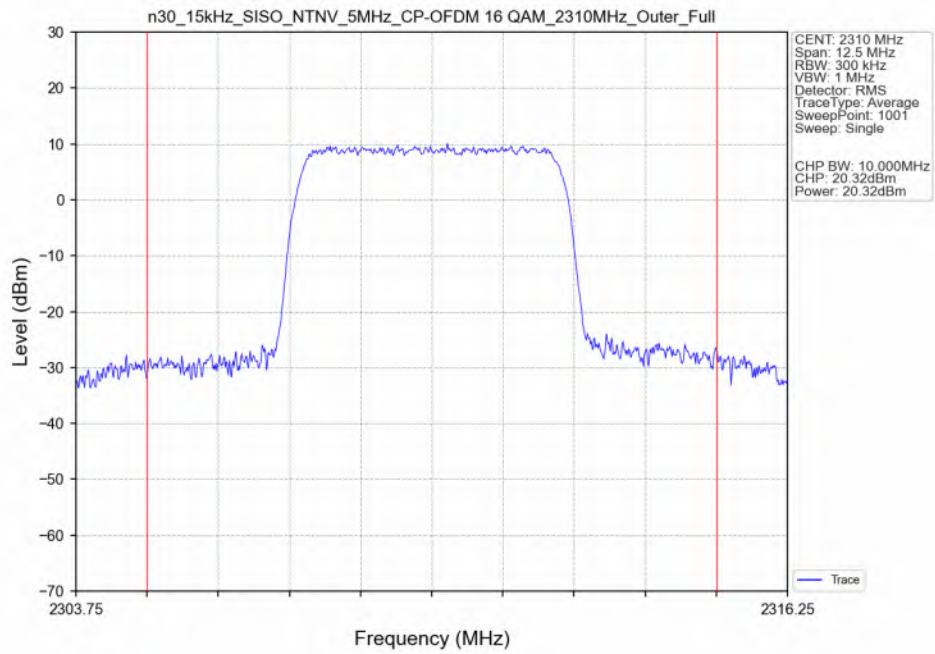
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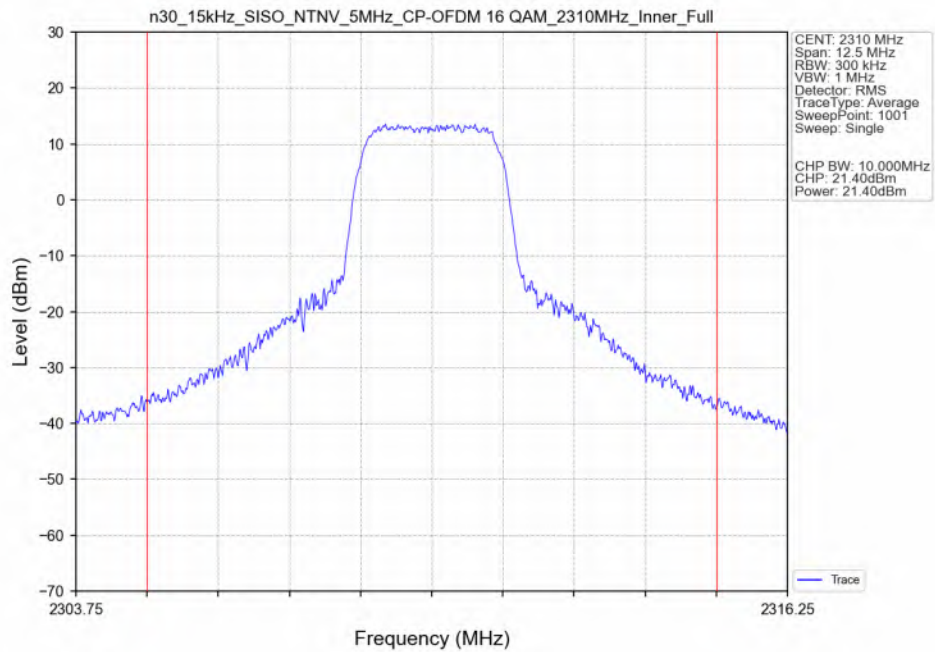
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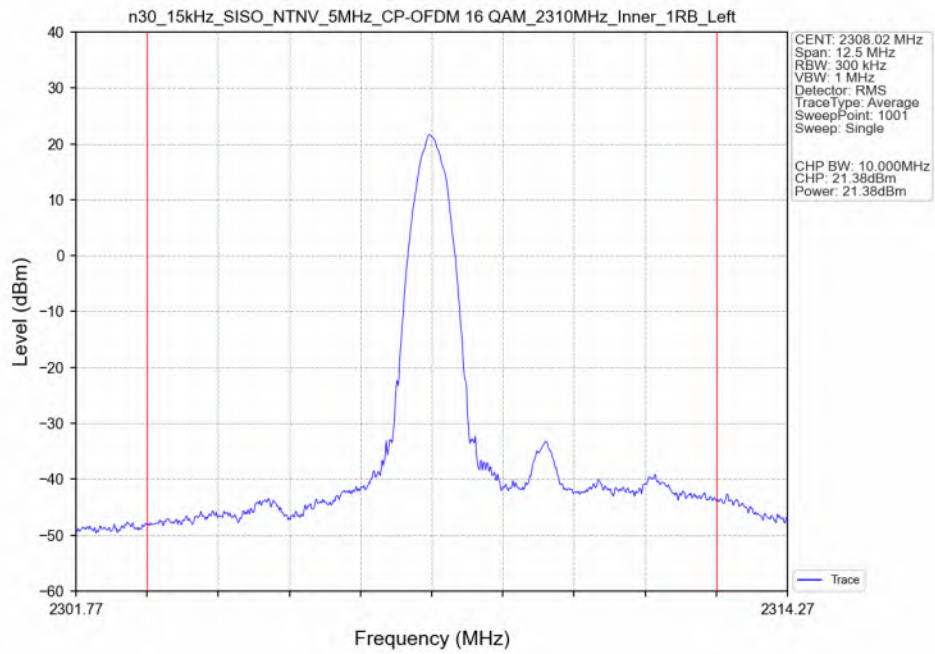
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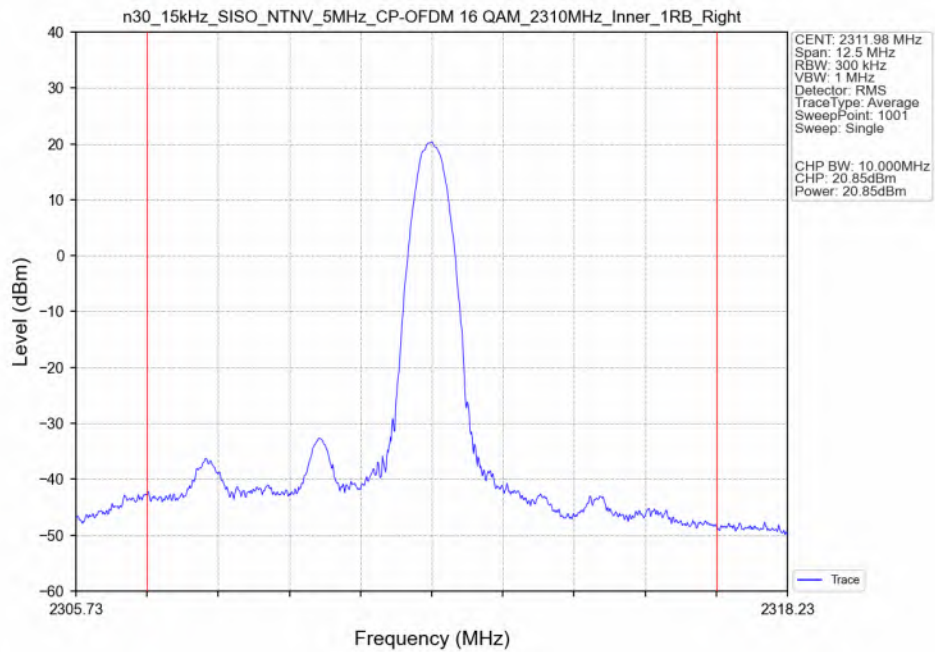
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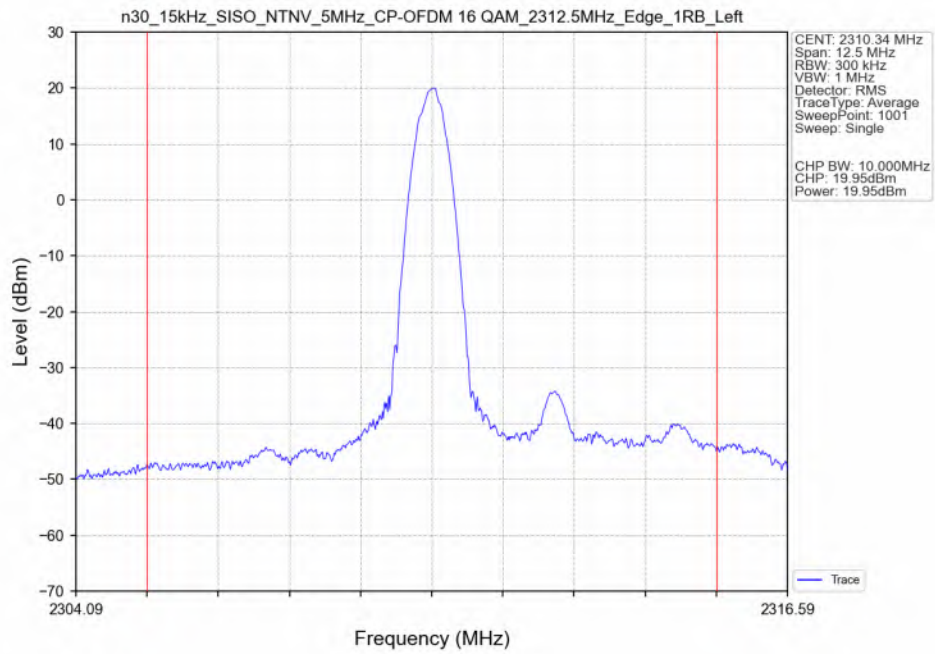
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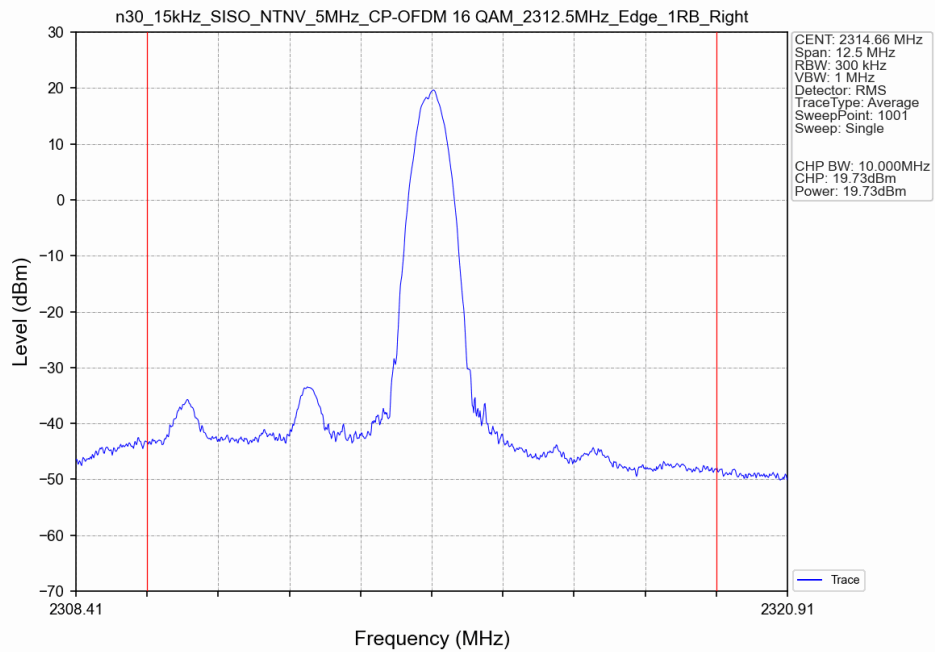
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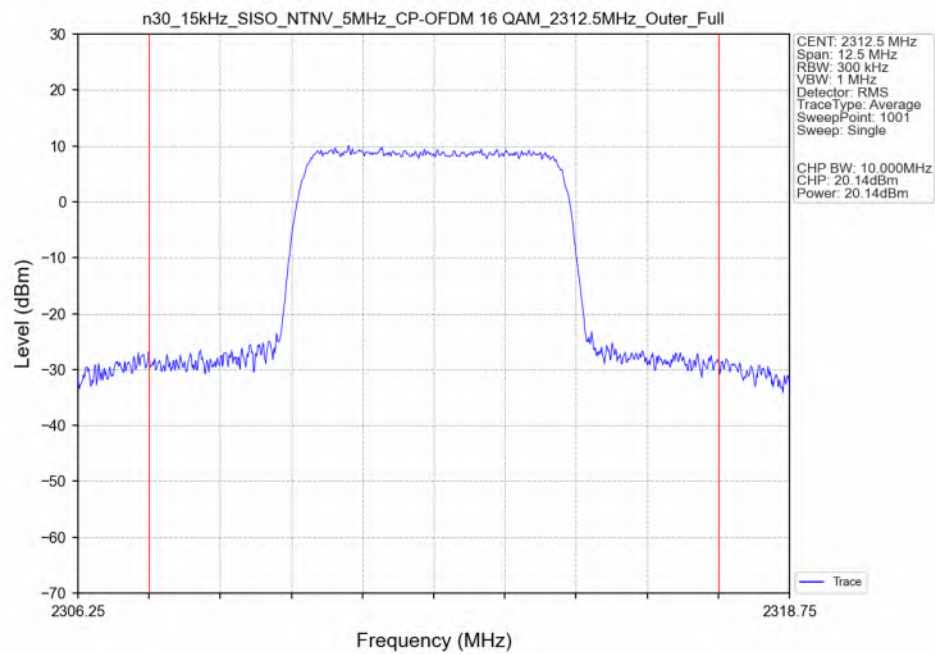
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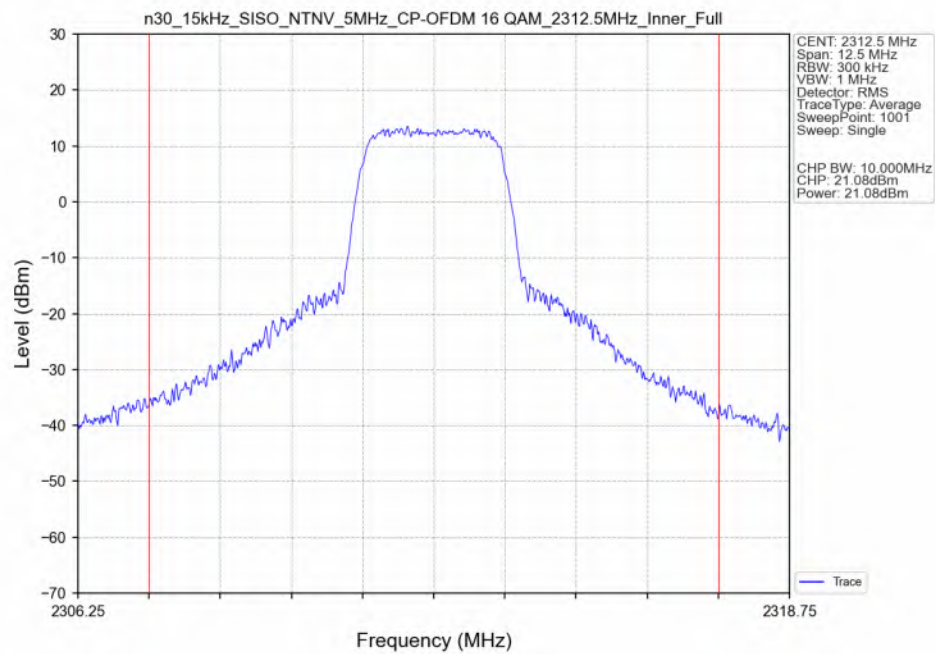
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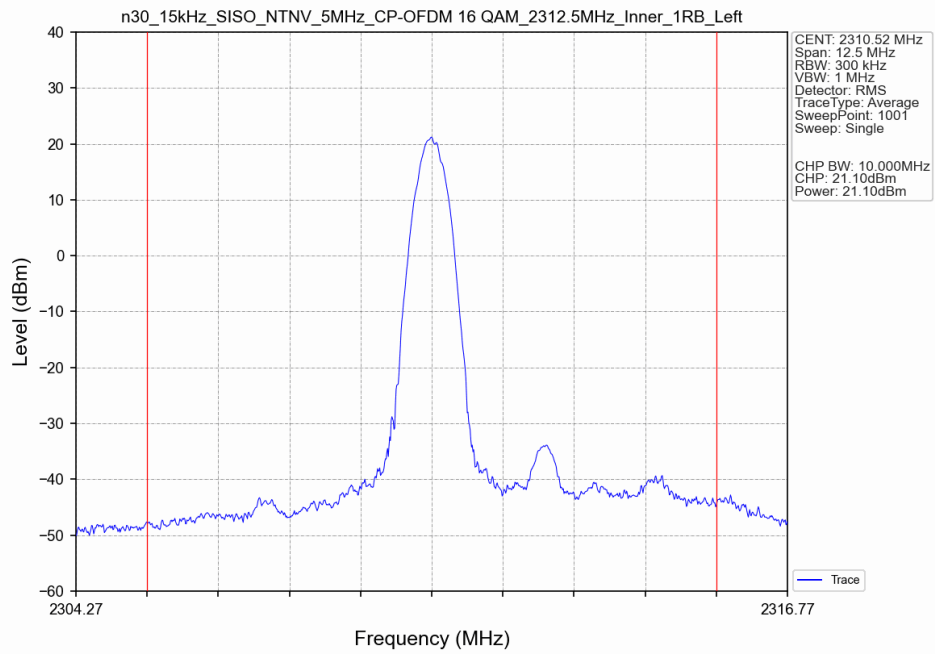
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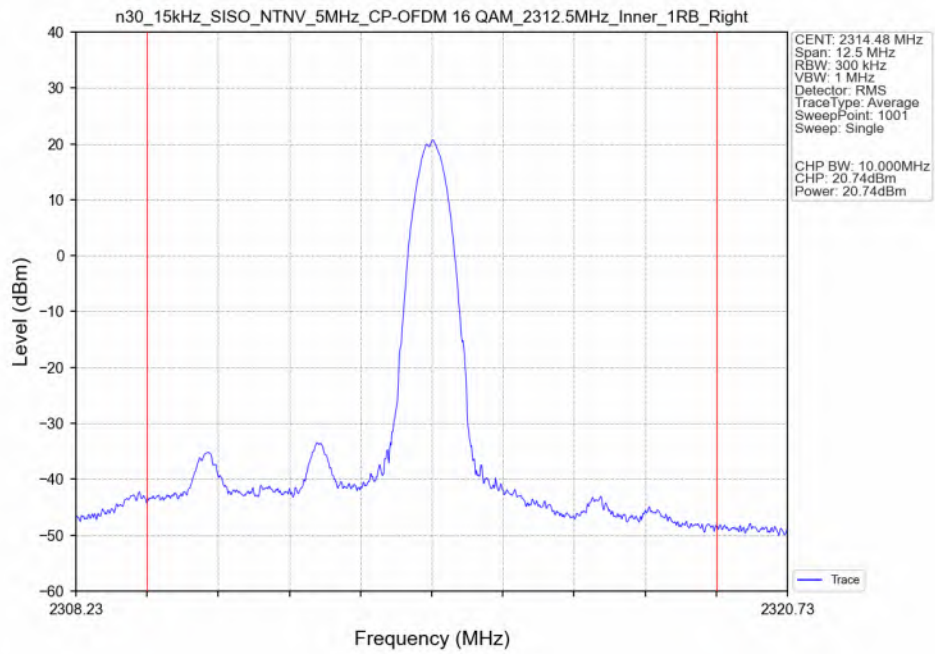
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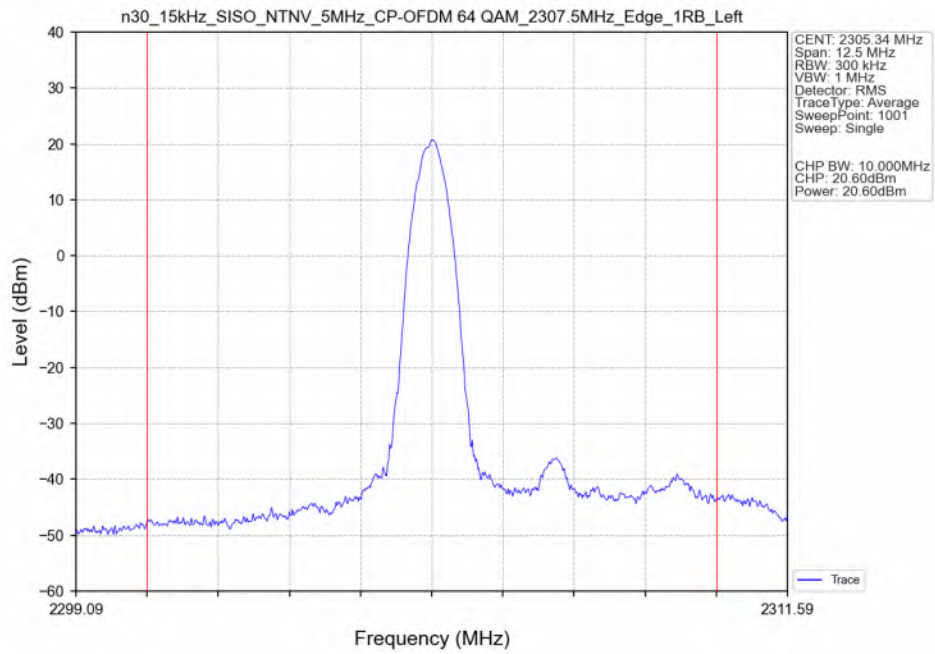
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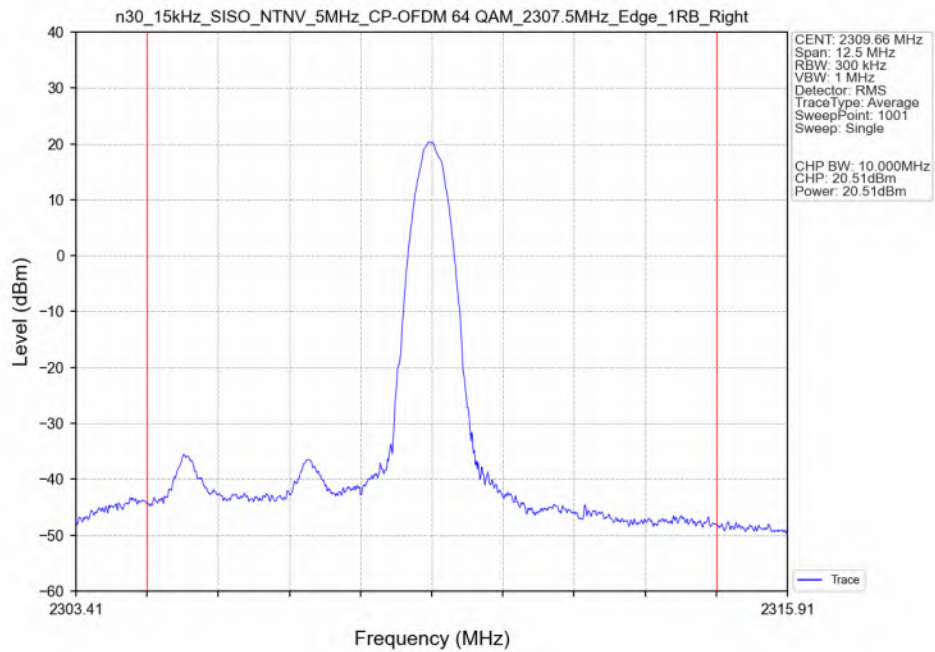
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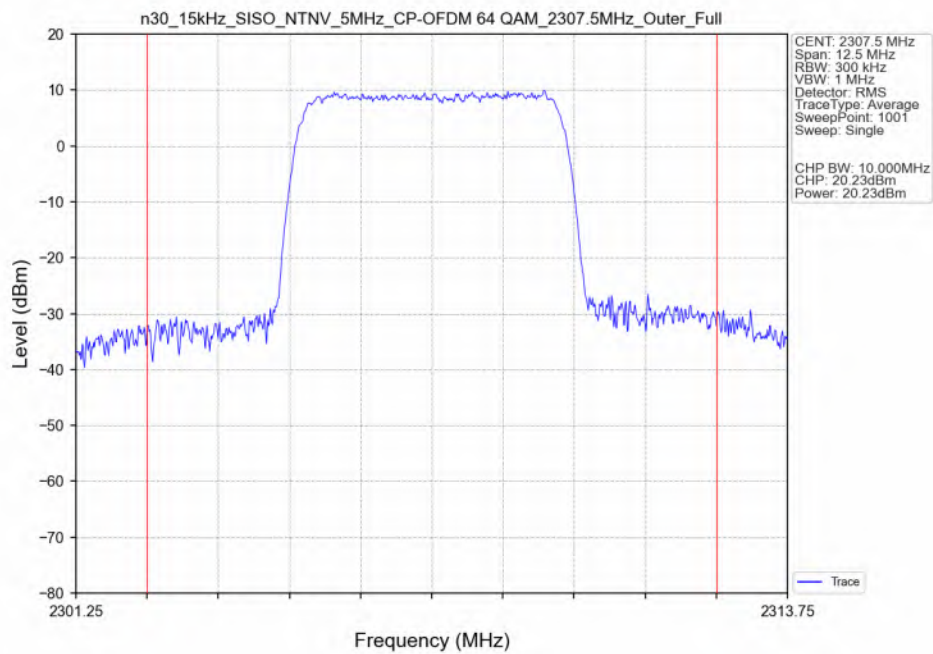
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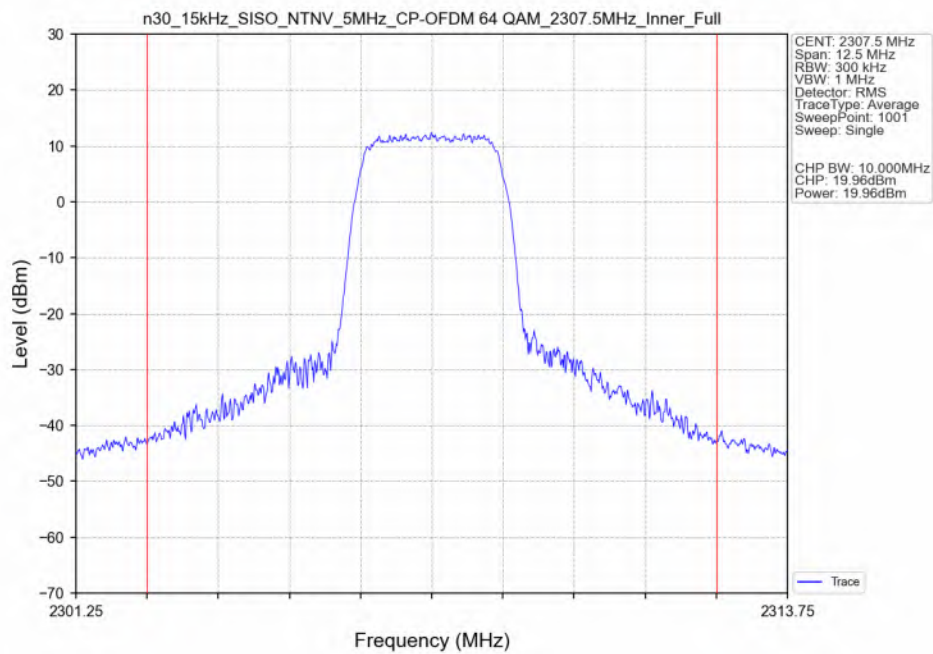
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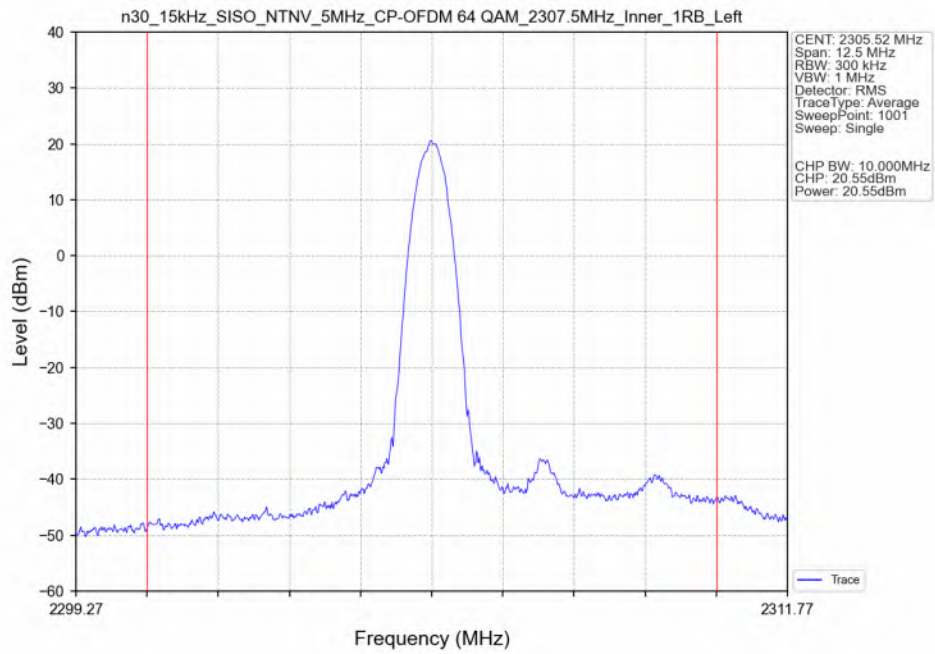
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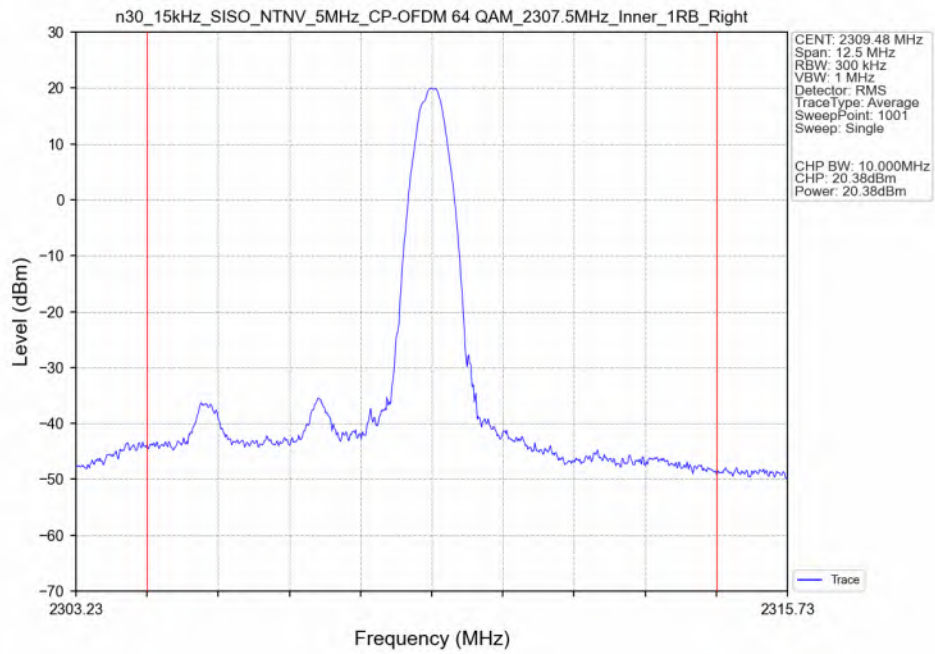
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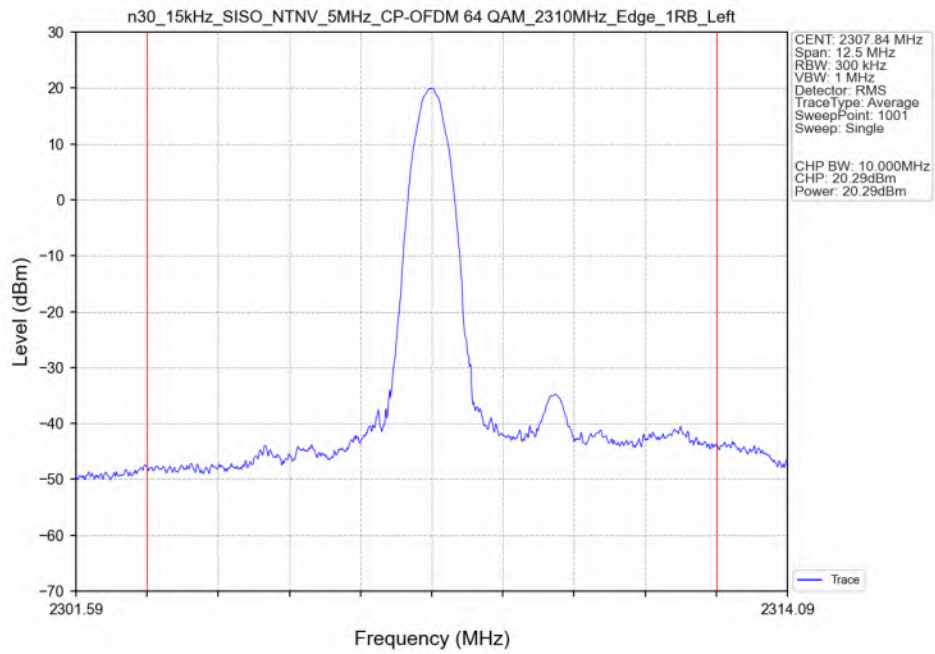
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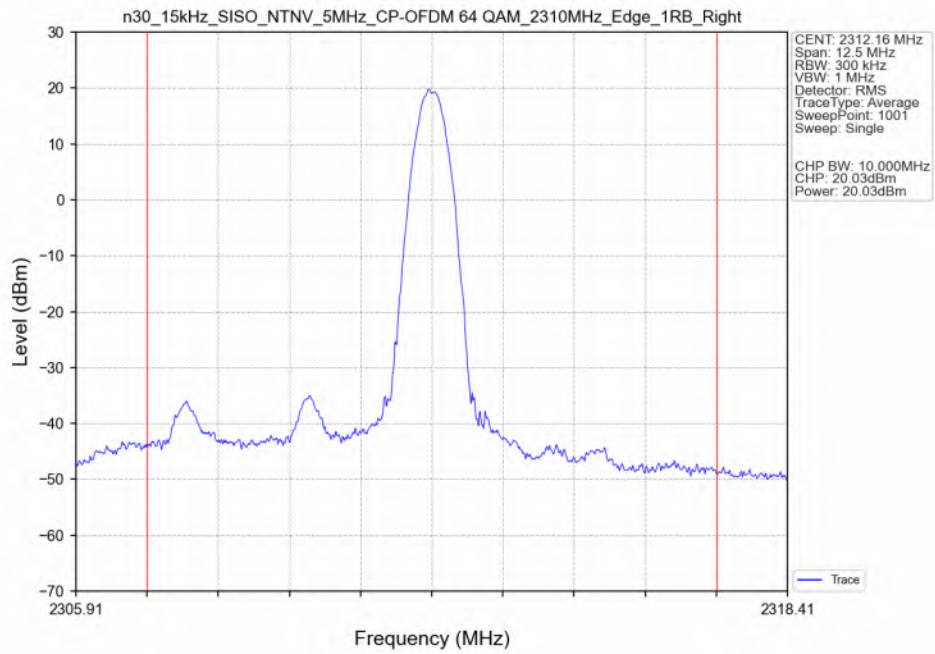
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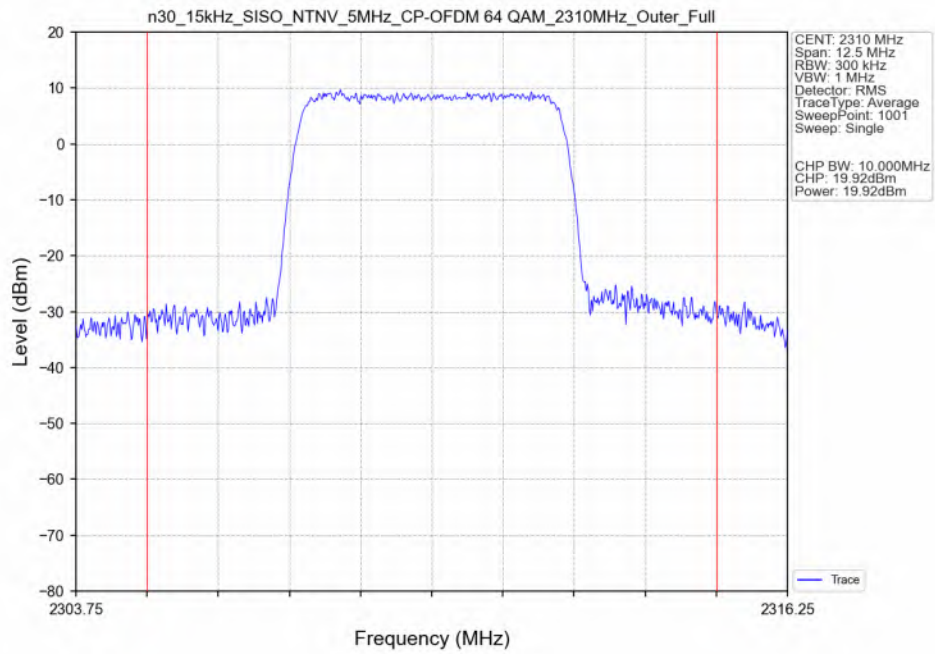
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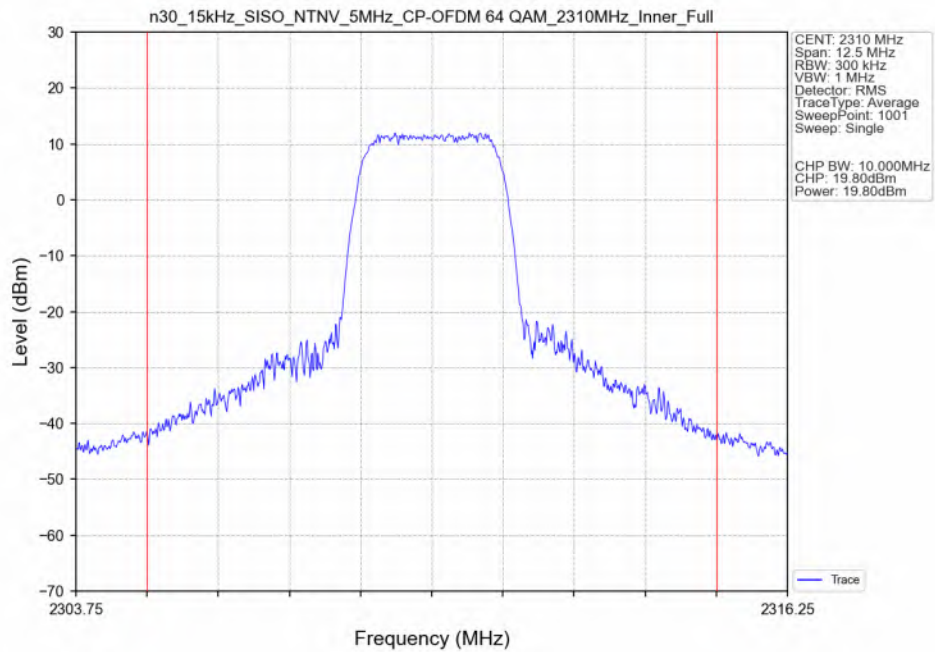
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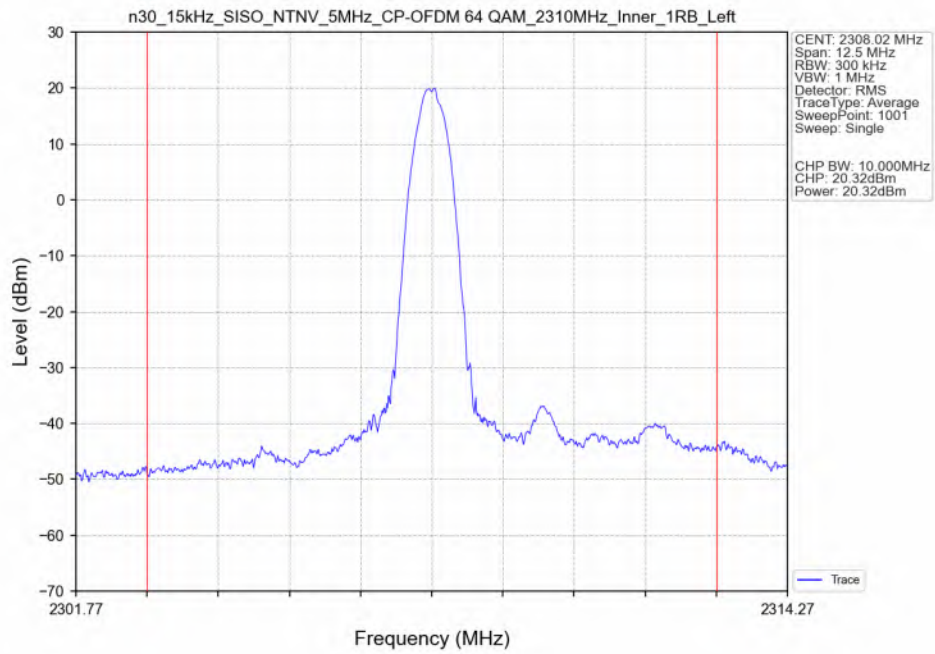
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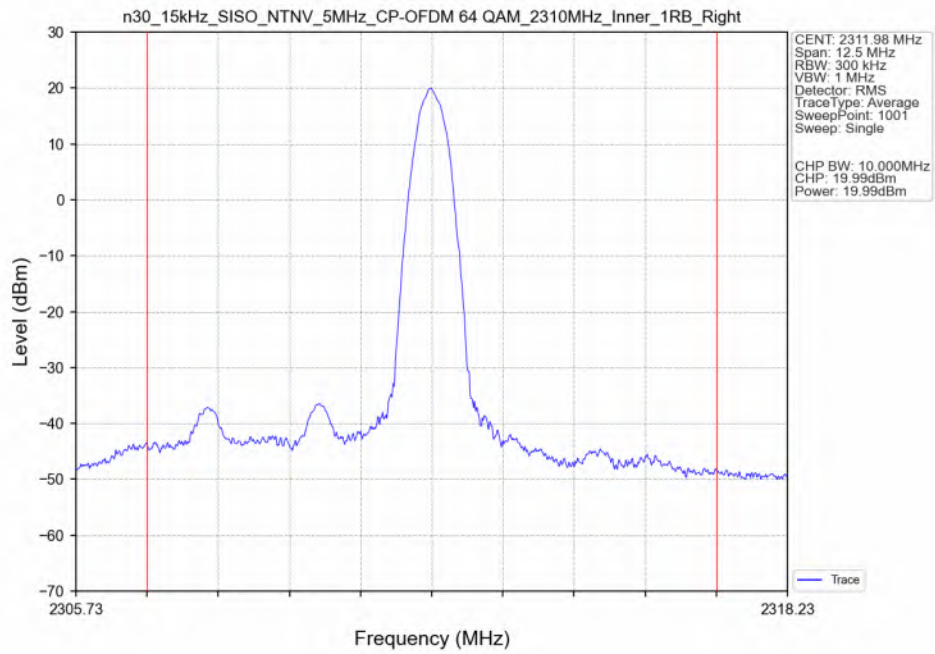
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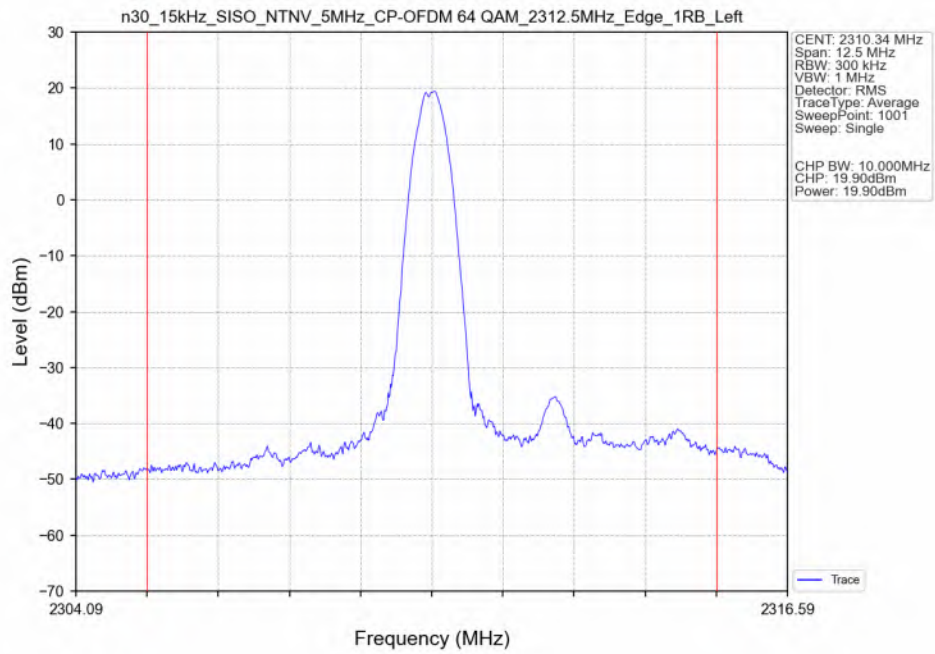
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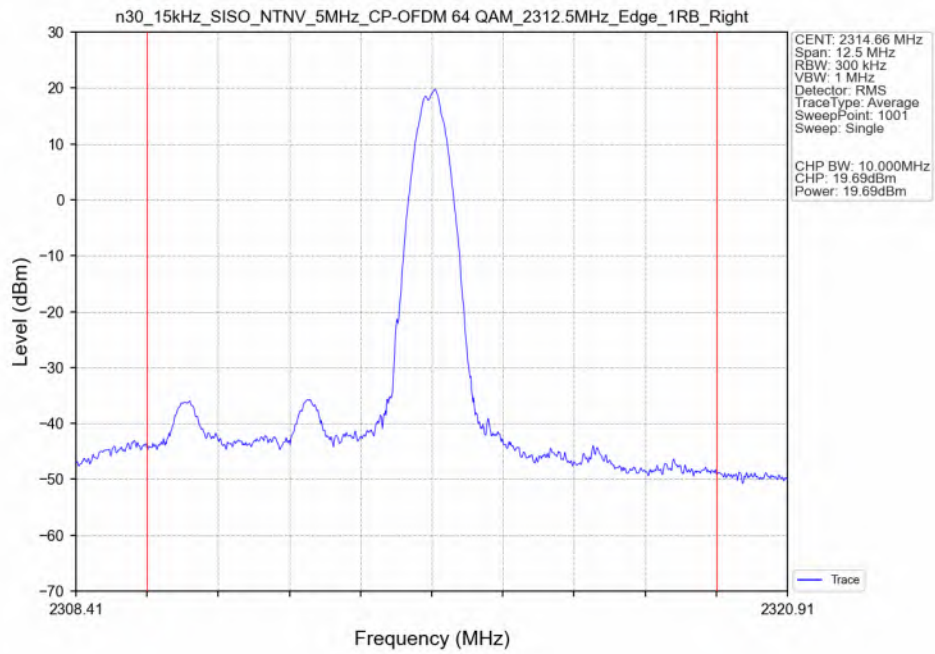
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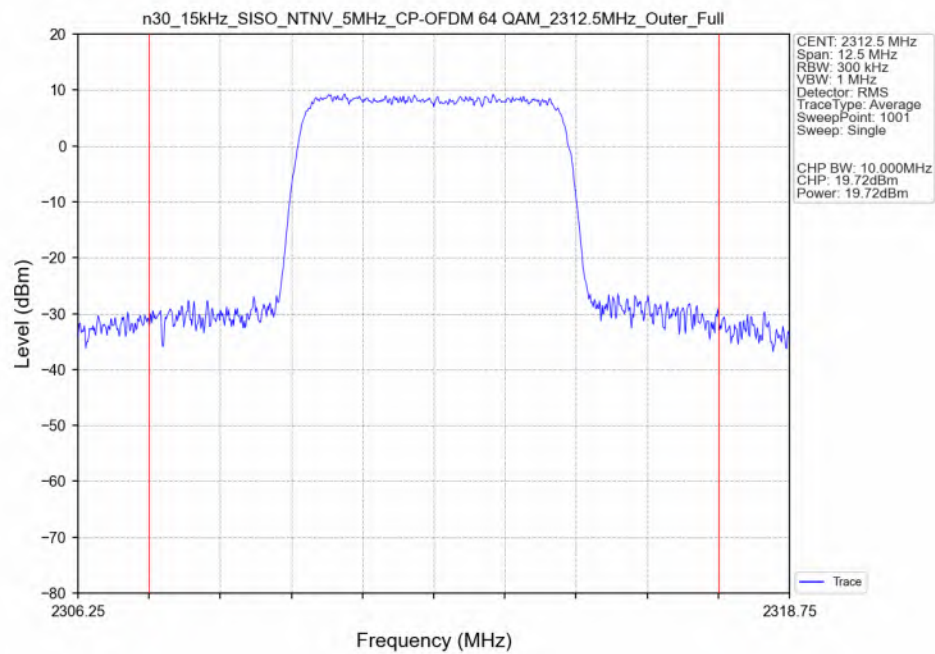
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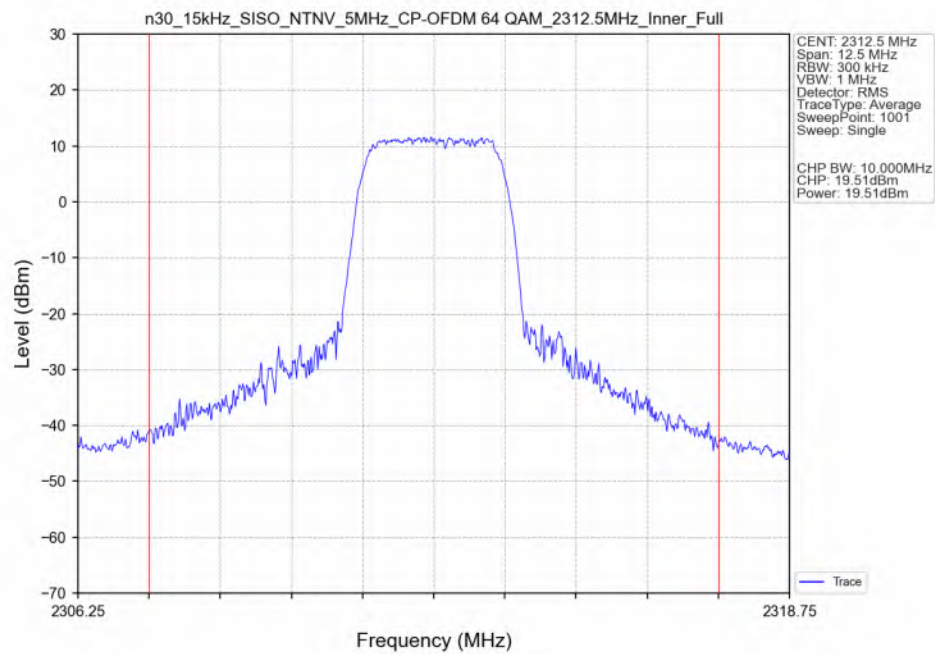
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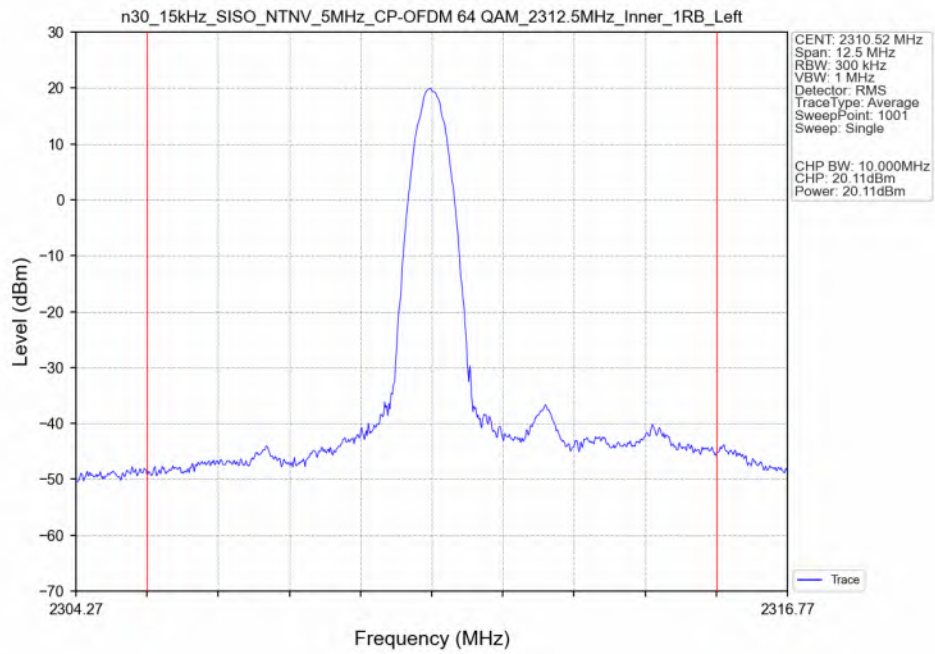
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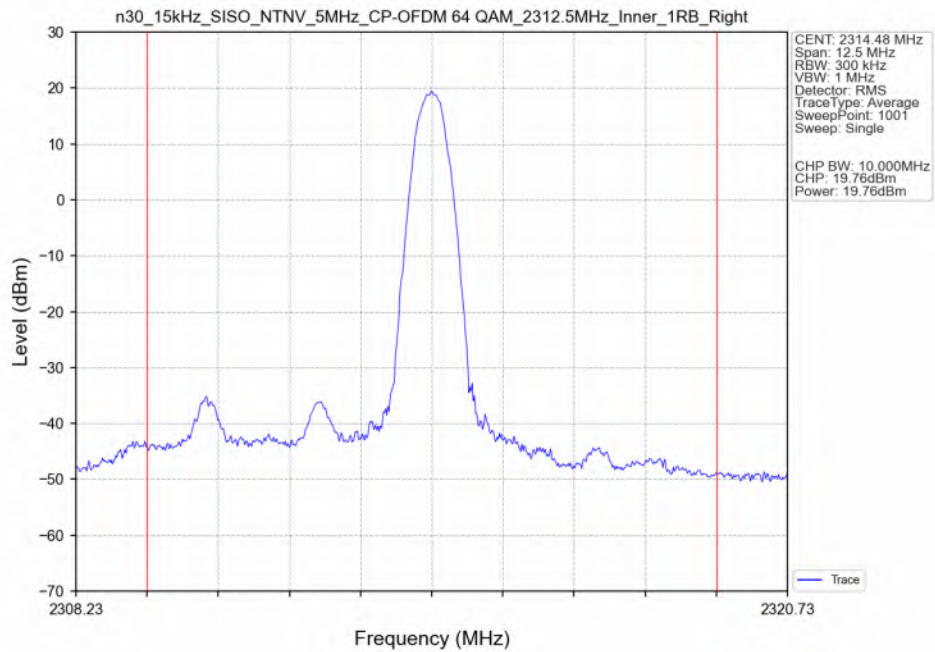
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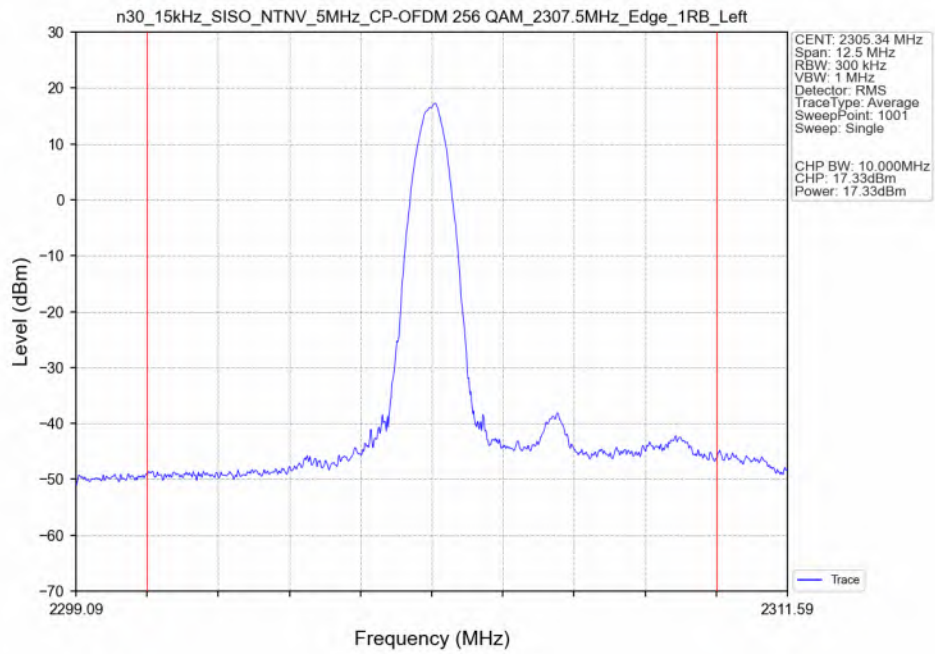
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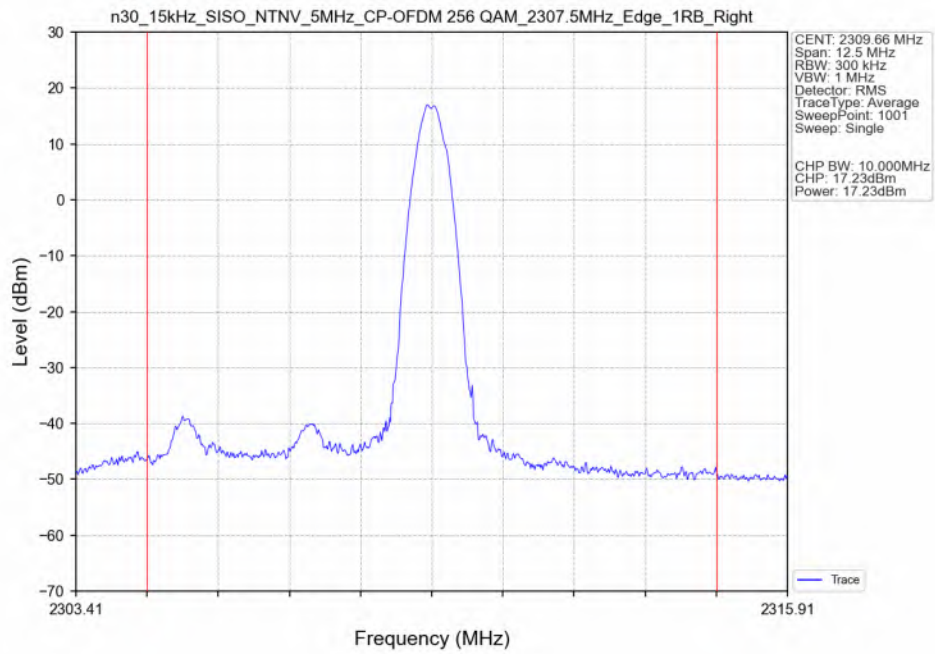
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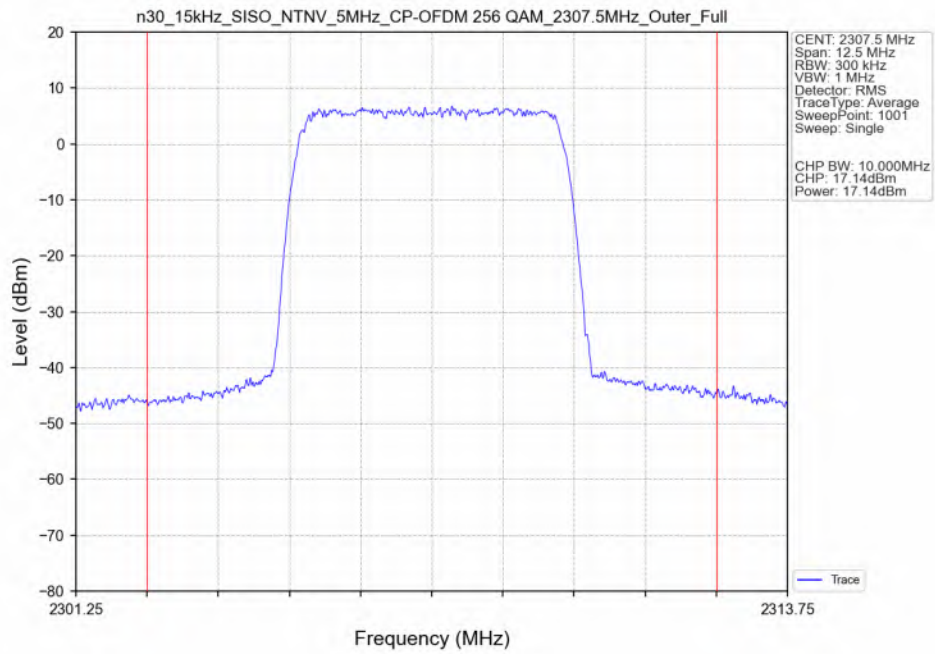
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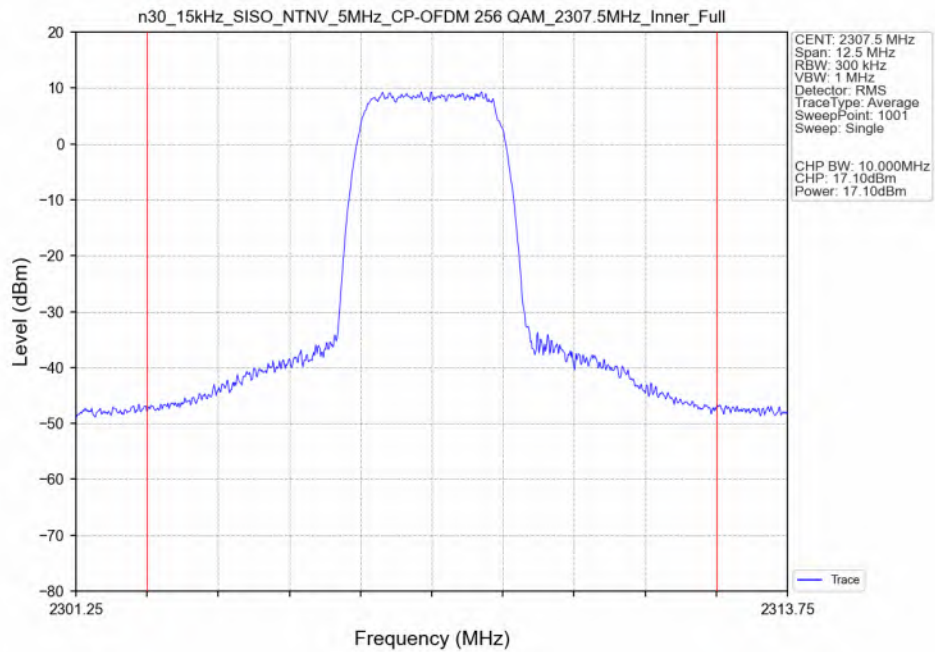
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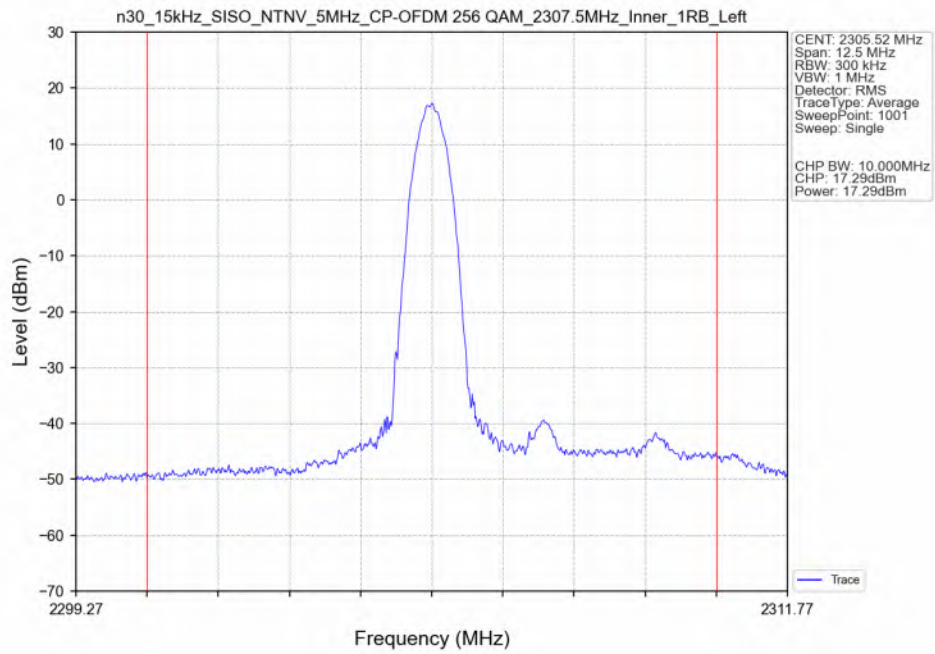
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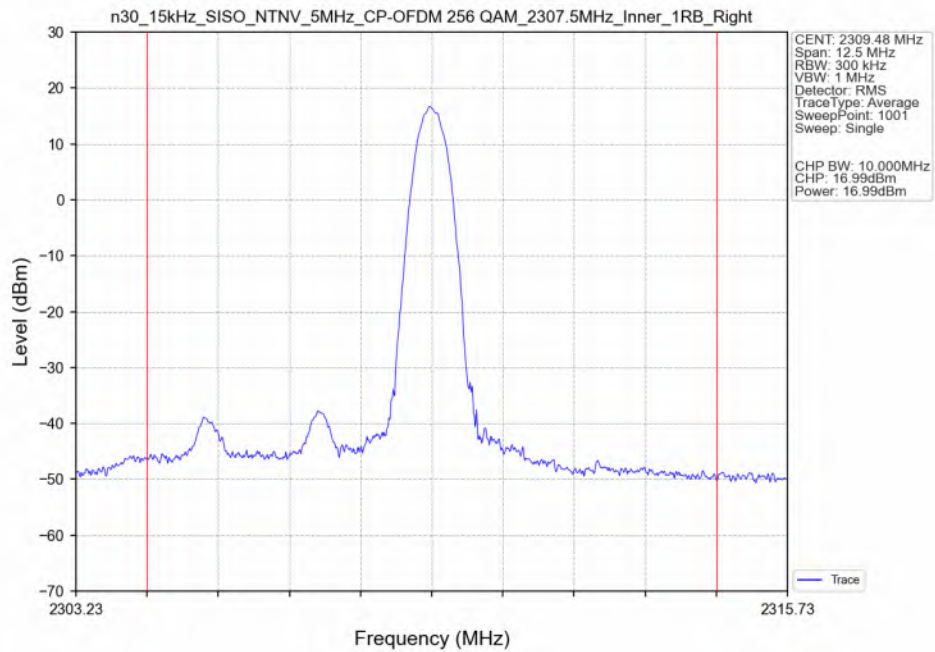
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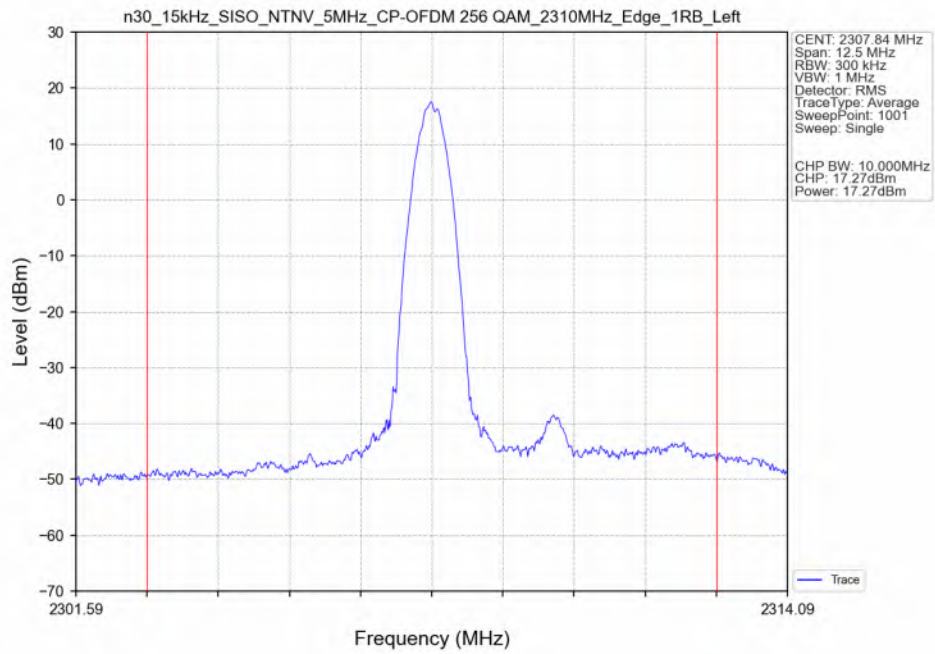
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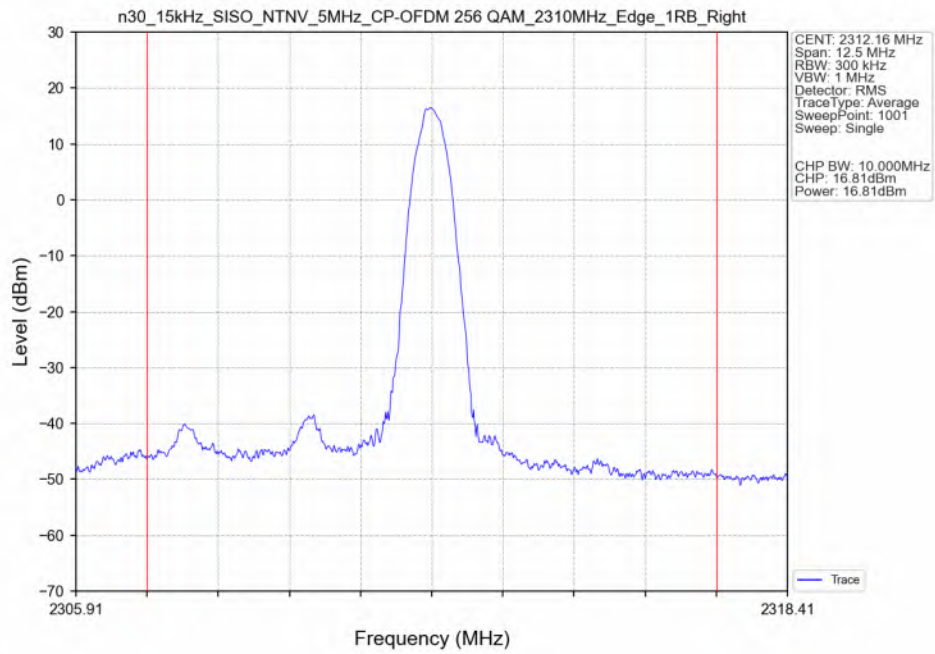
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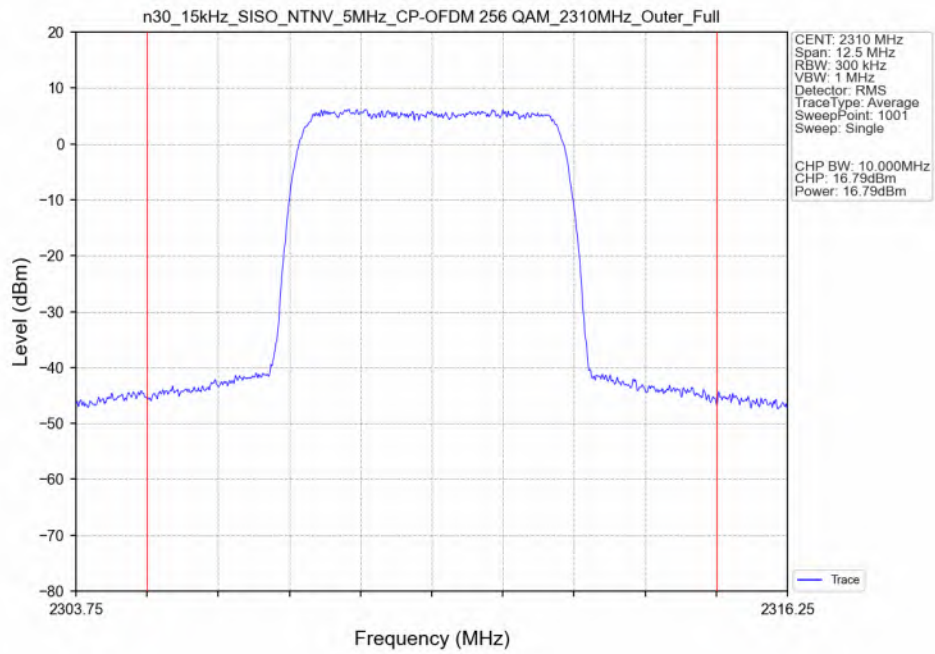
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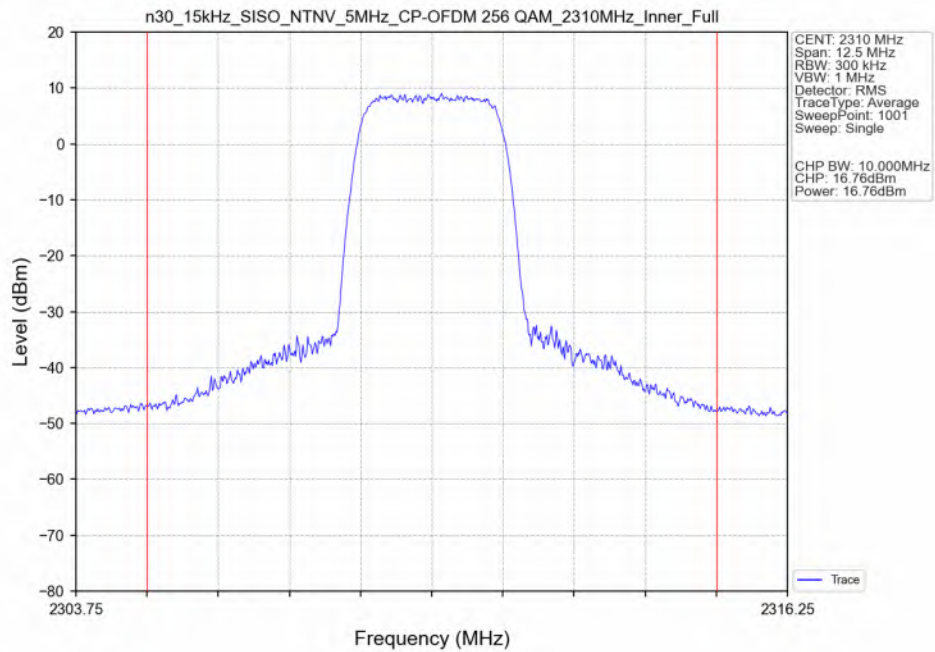
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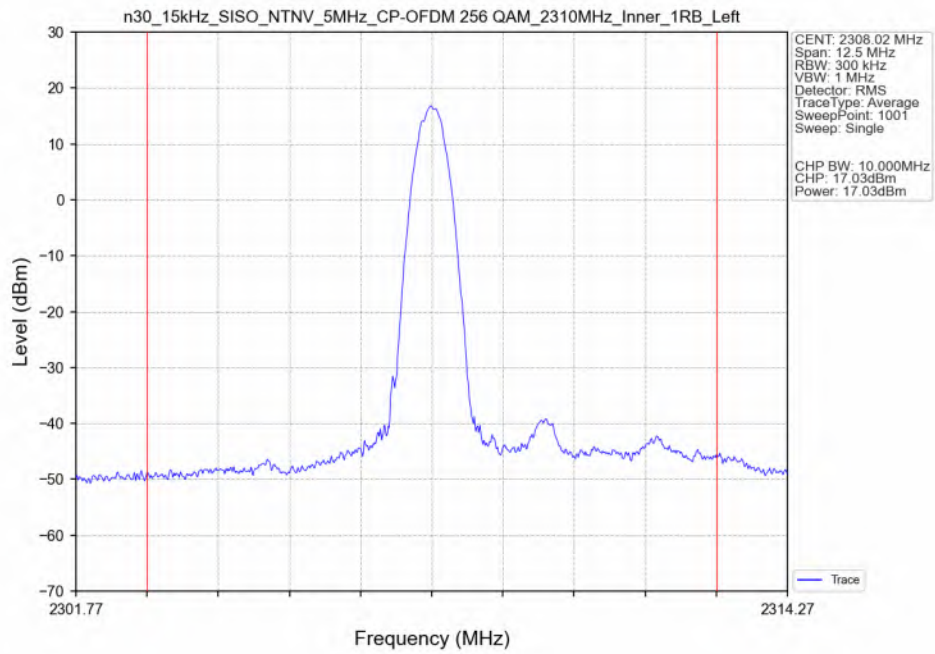
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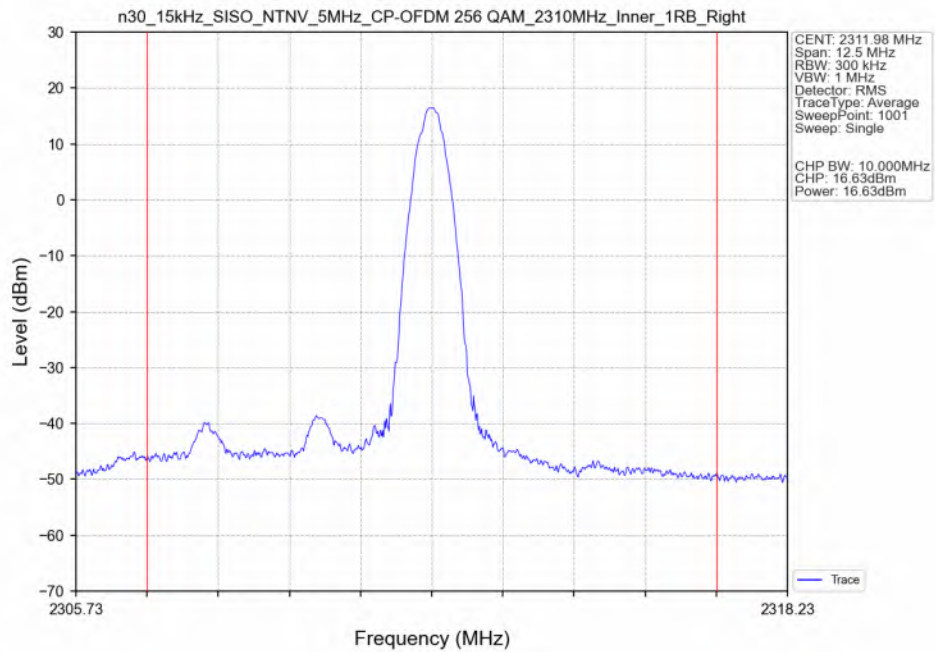
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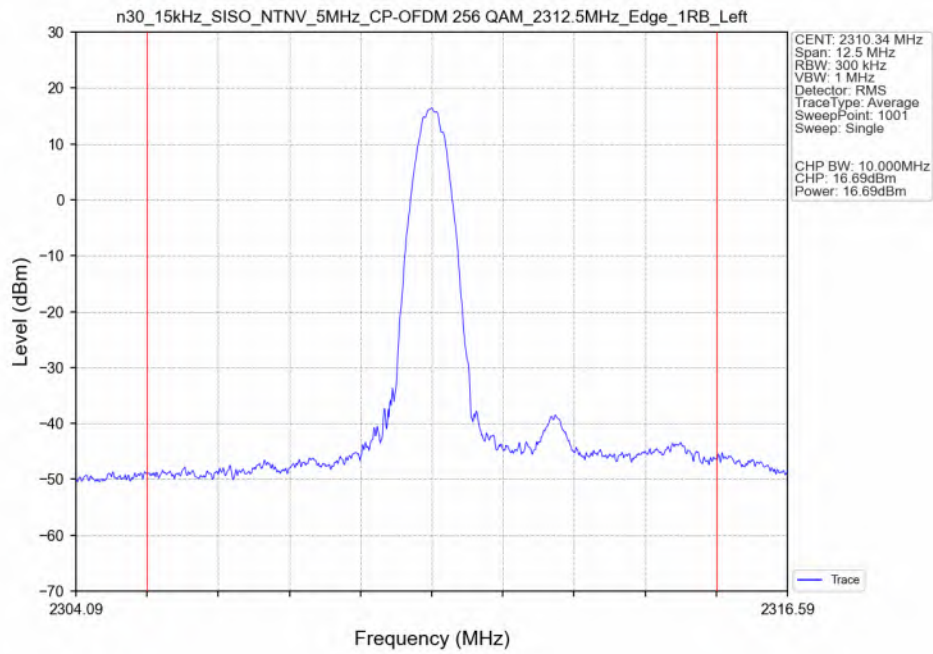
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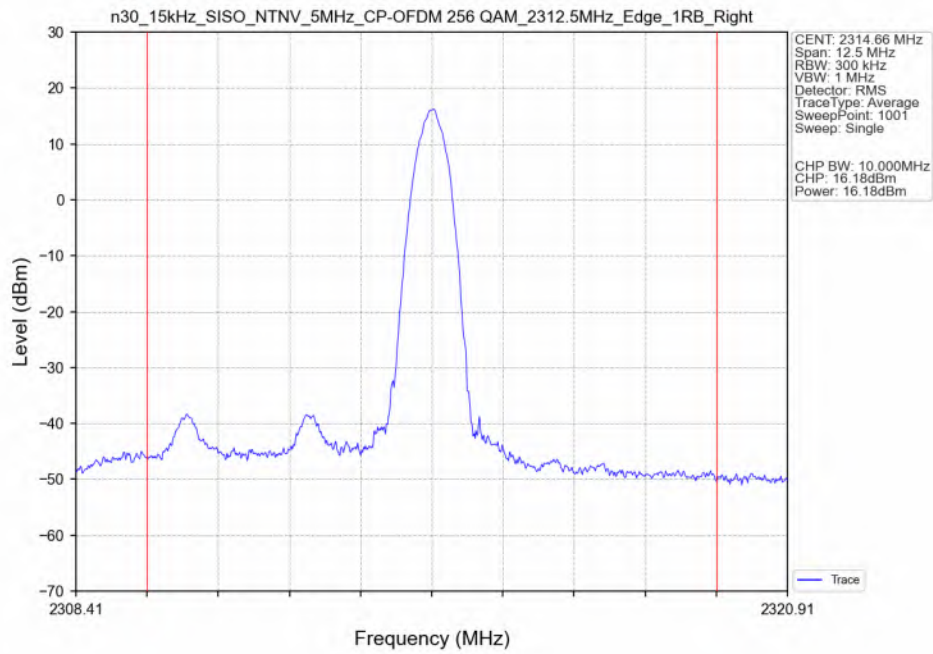
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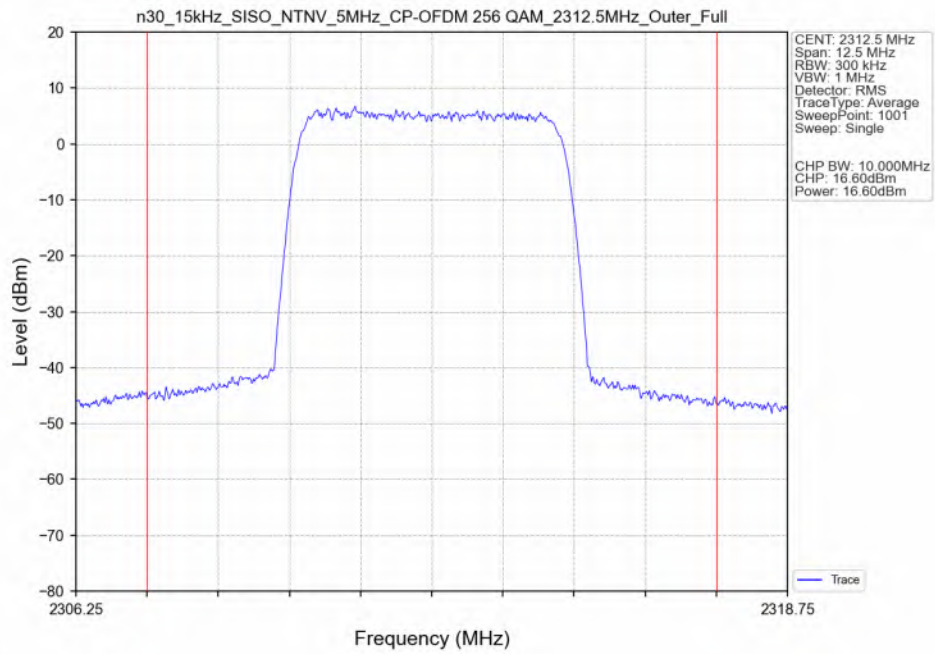
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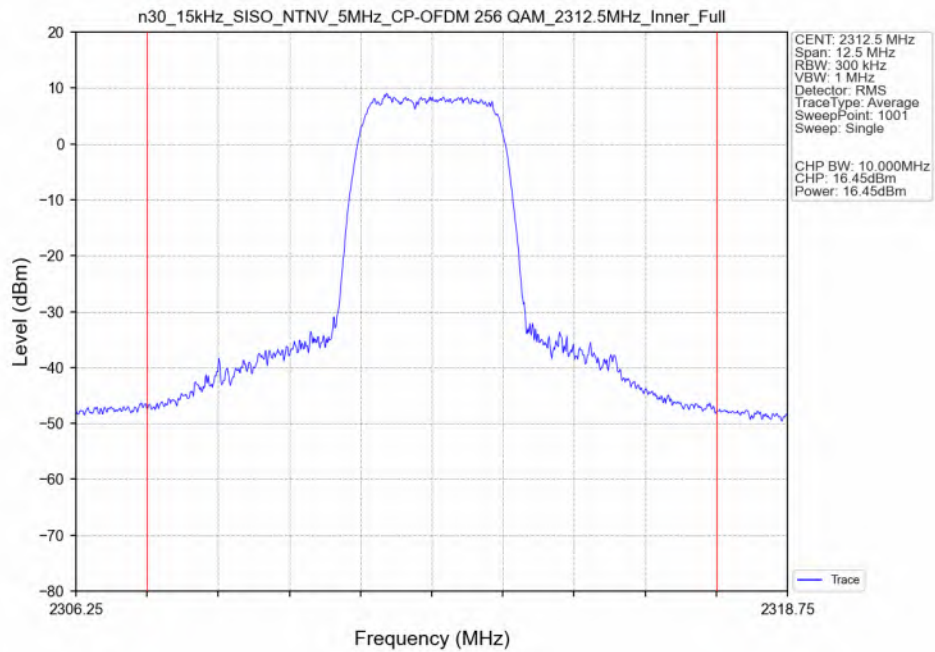
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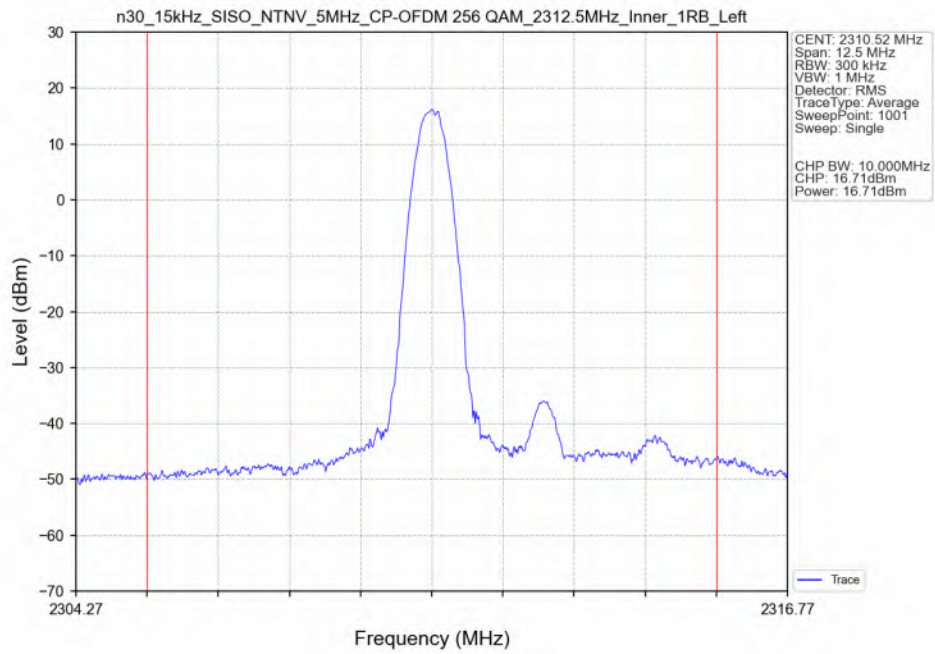
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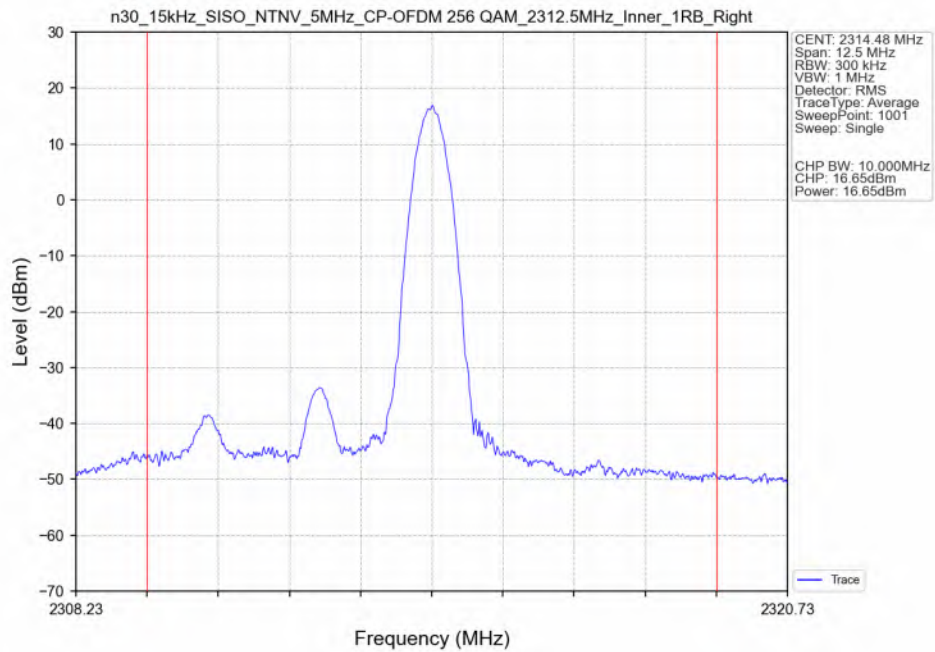
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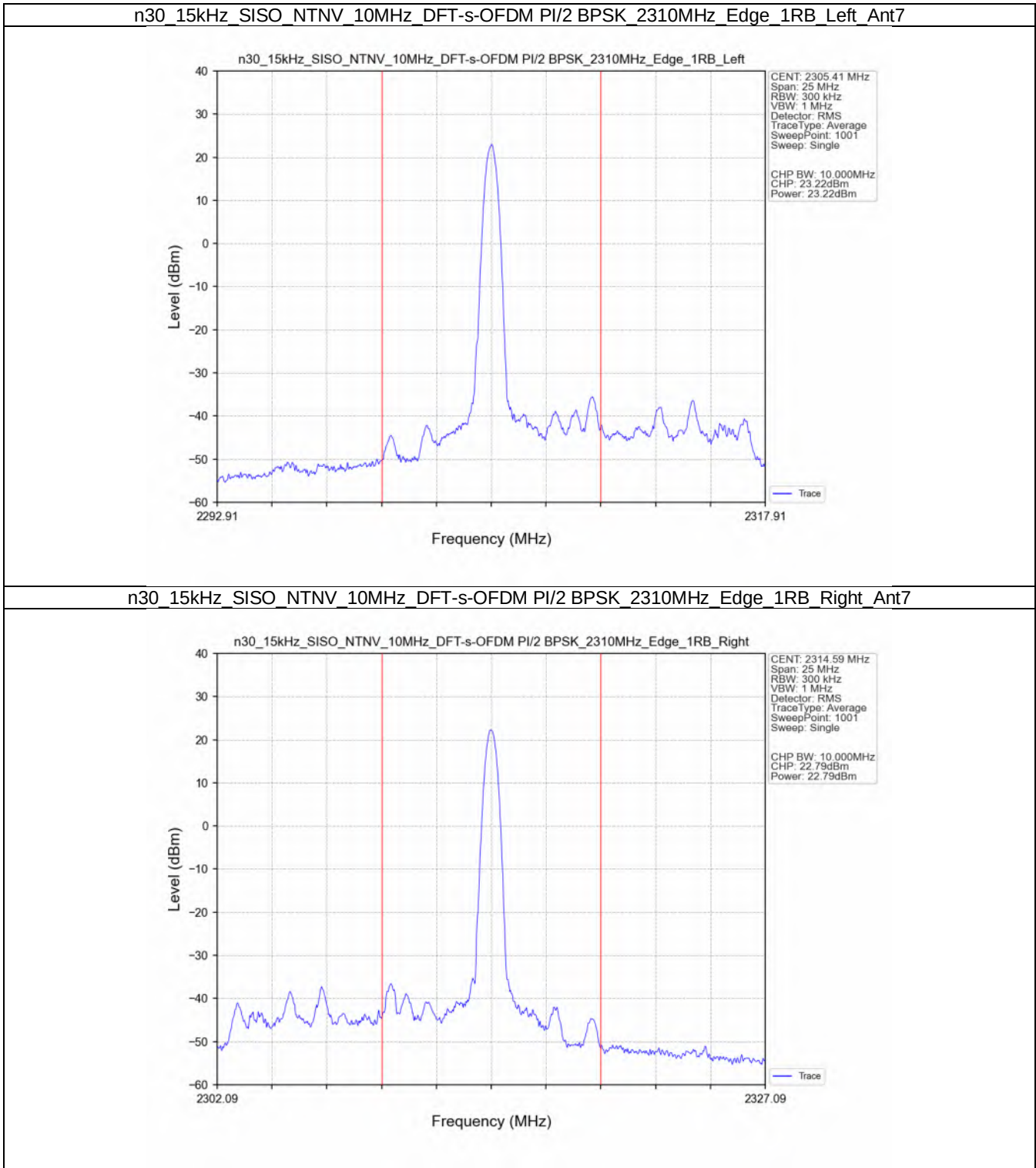
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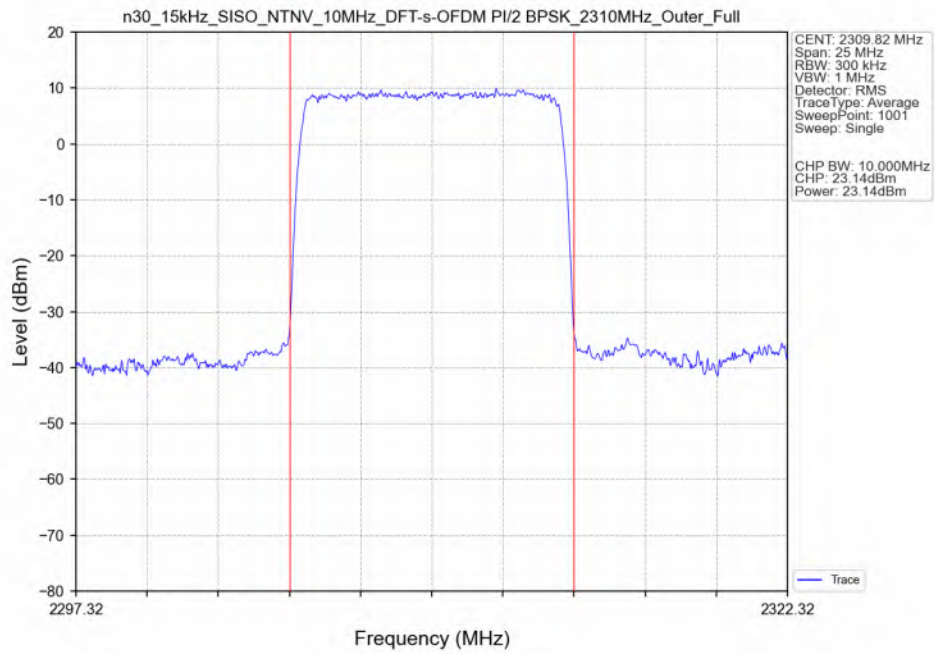
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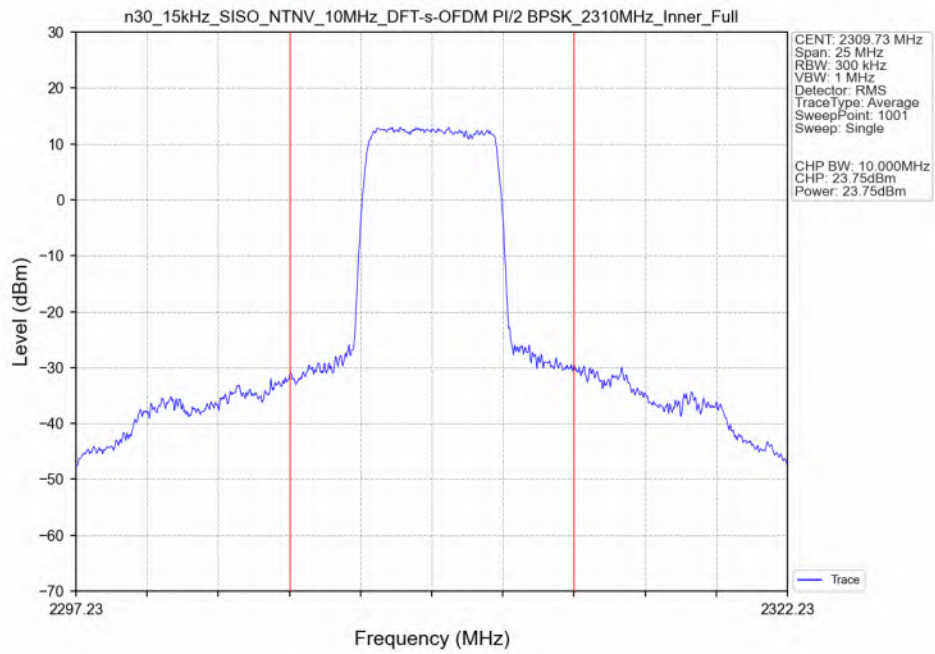
1.2.2 15_S_10M_NTNV_EIRP(dBm/5MHz)



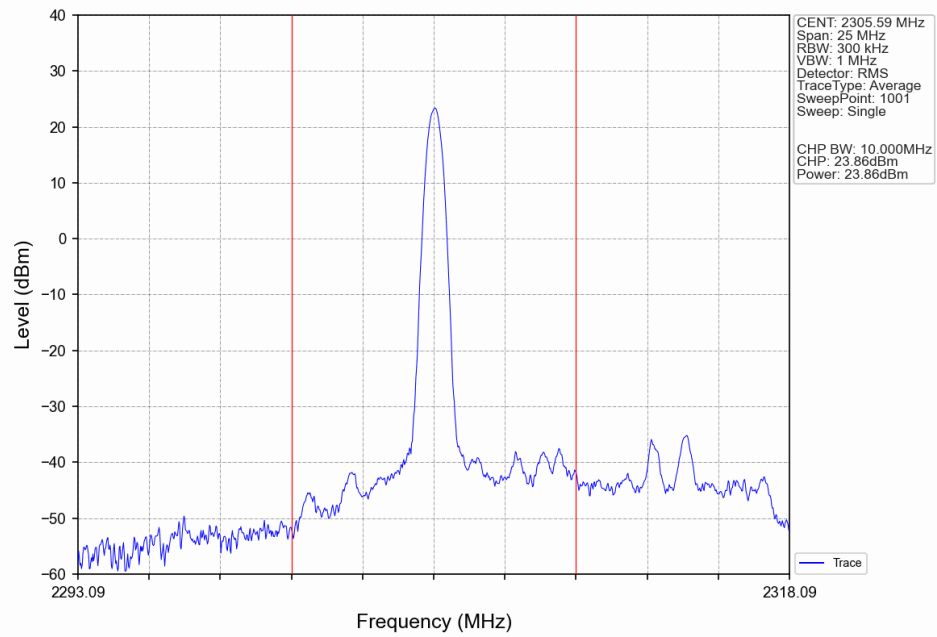
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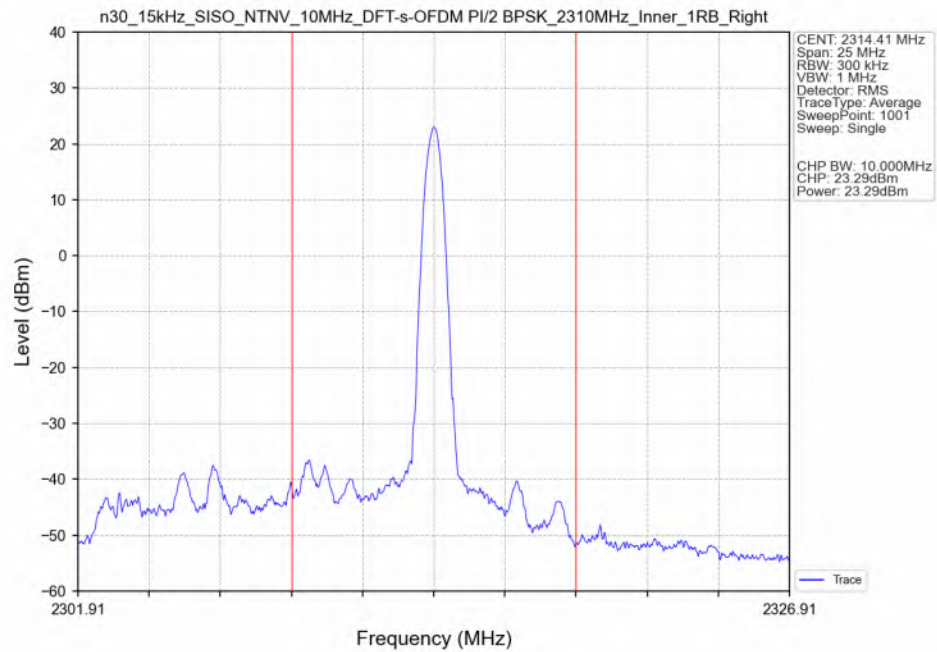
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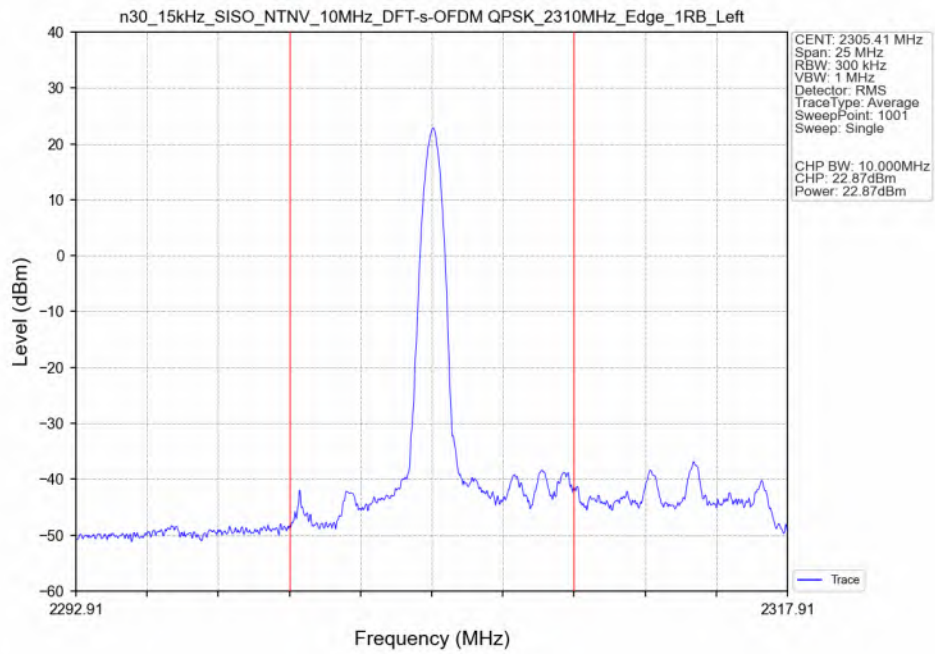
n30 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 2310MHz Inner 1RB Left Ant7



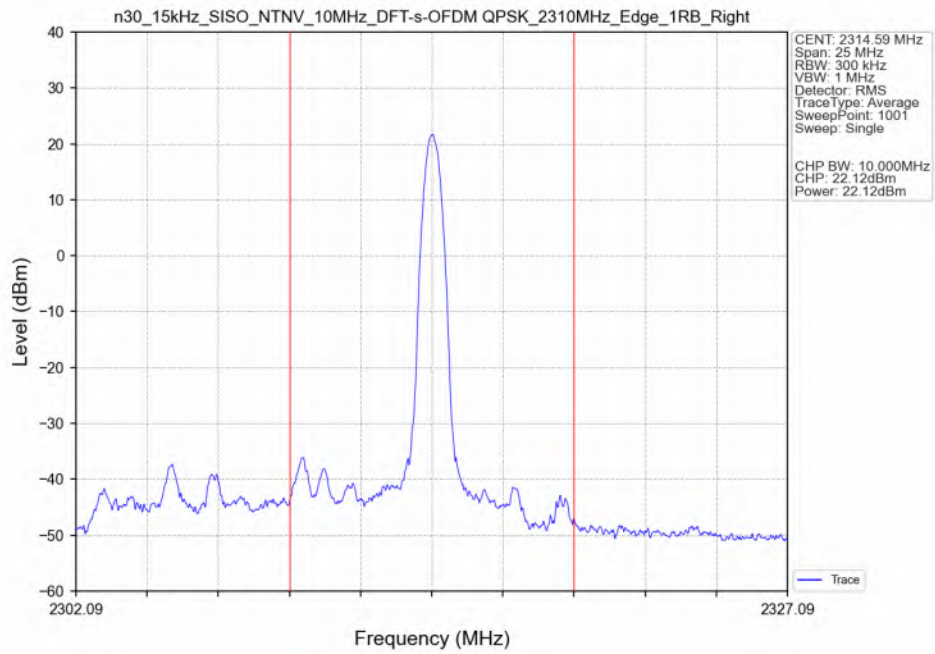
n30 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 2310MHz Inner 1RB Right Ant7



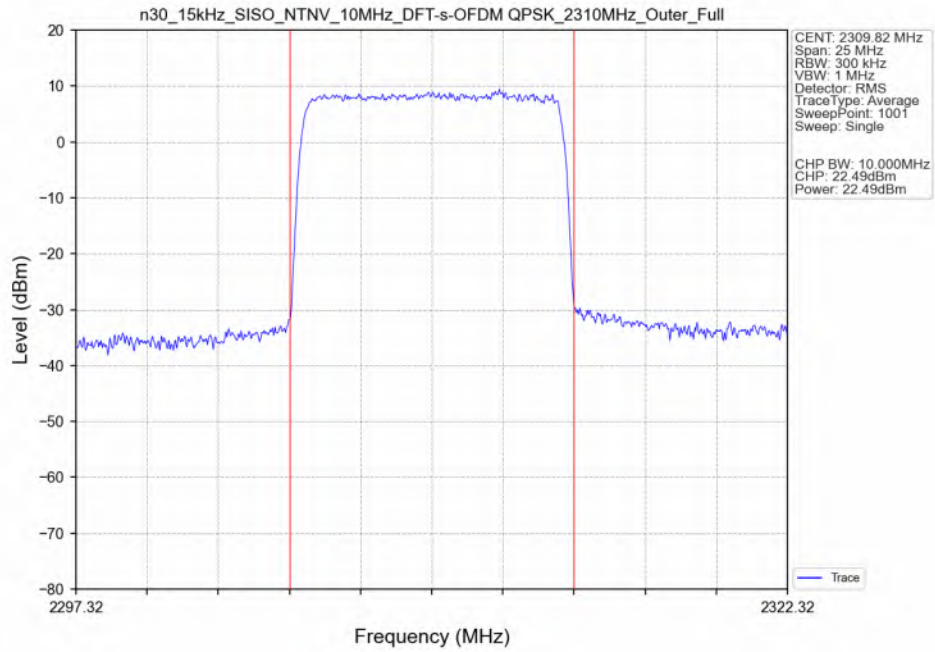
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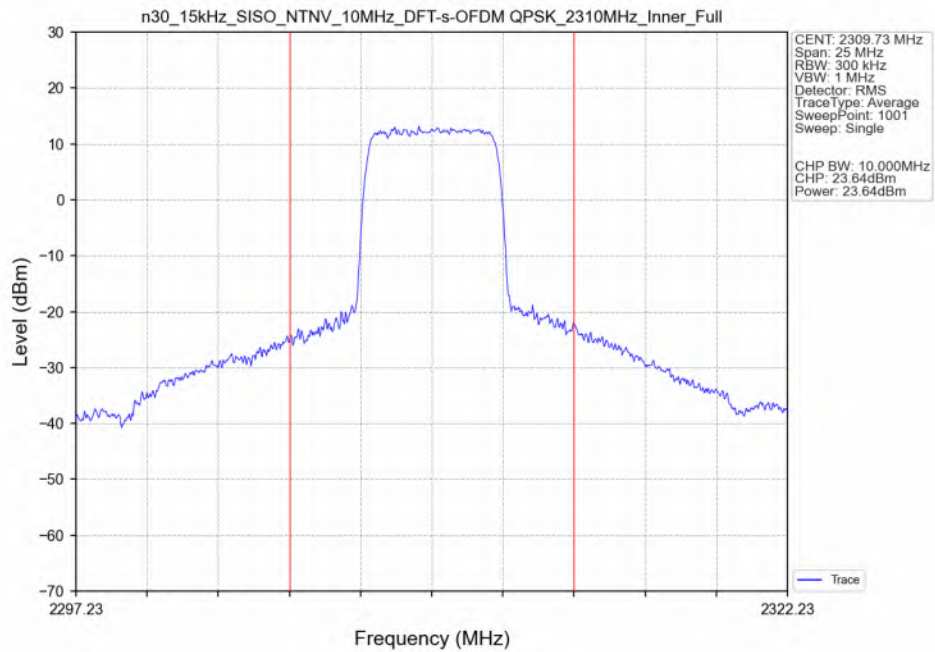
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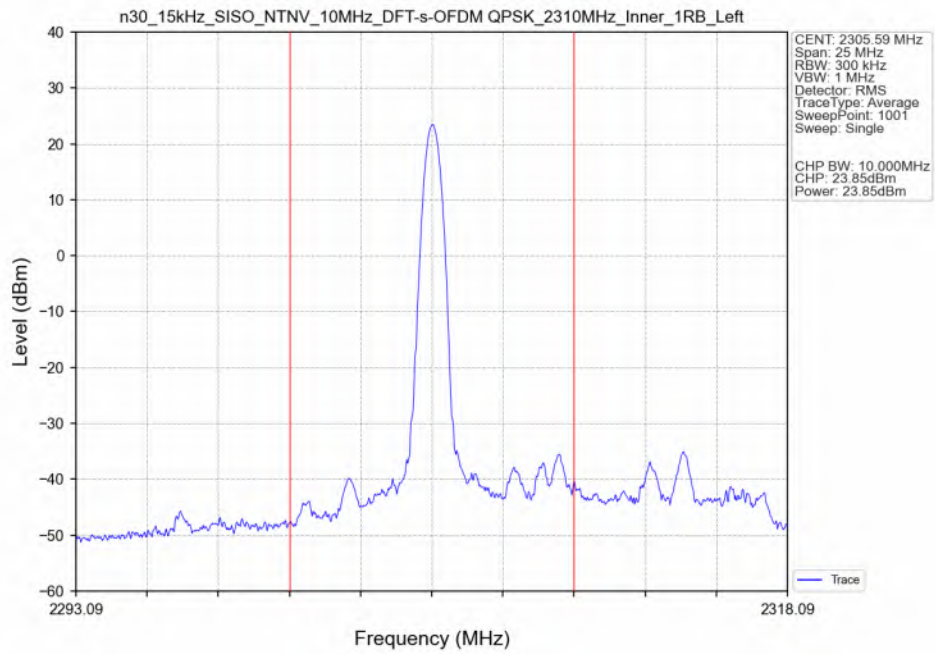
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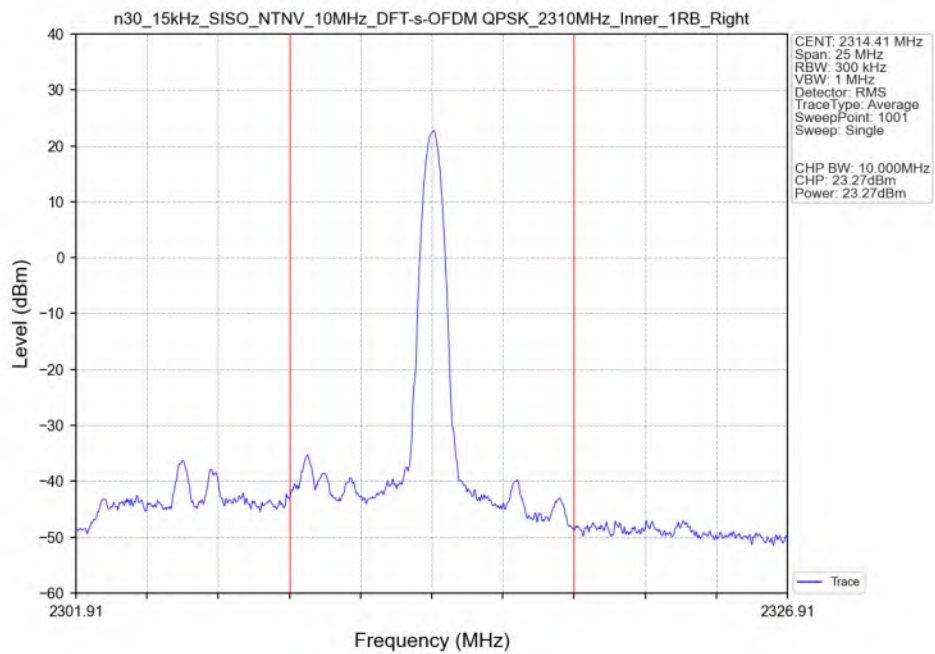
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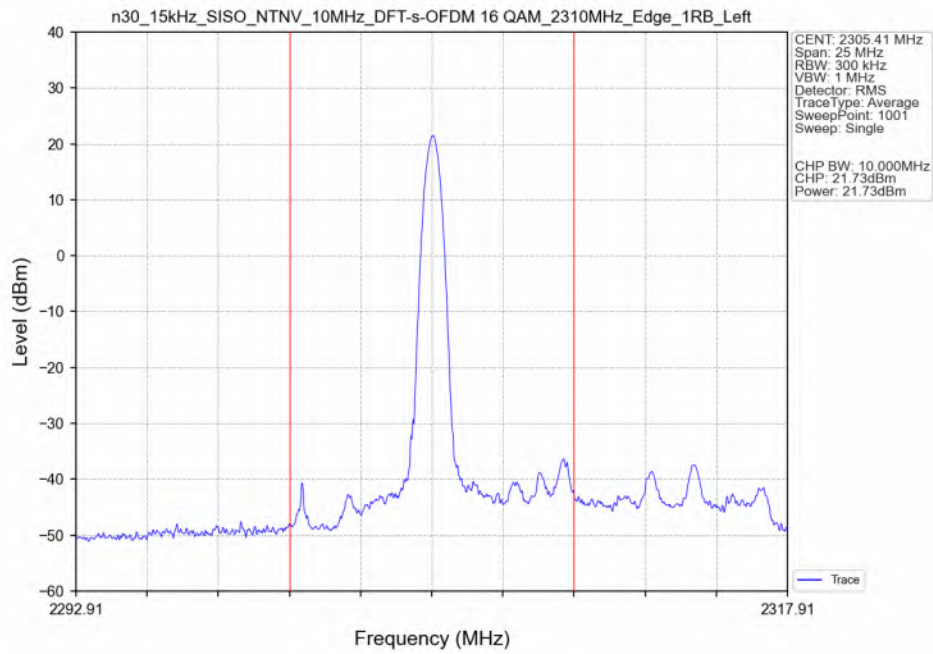
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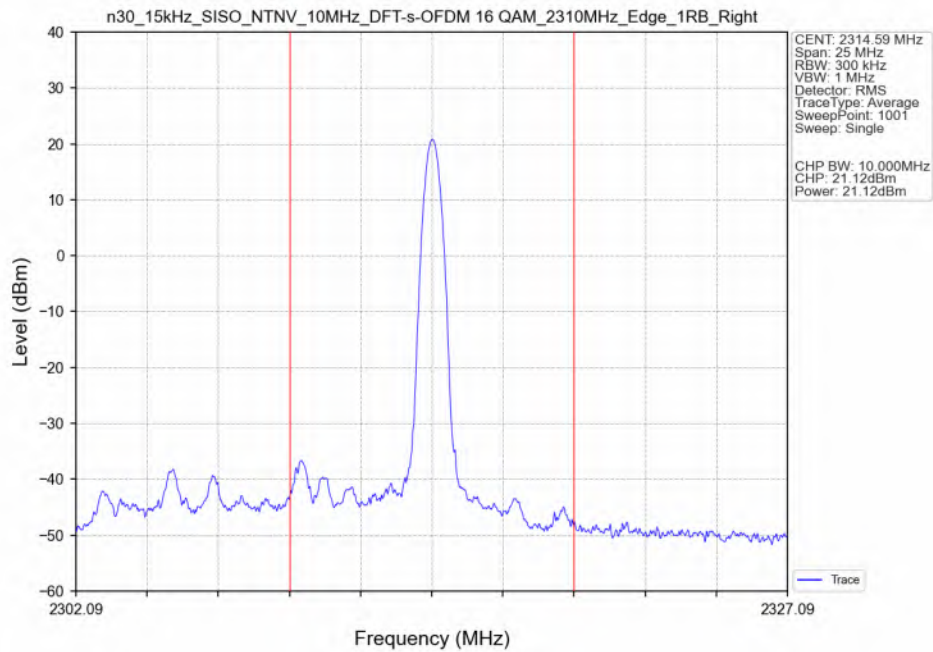
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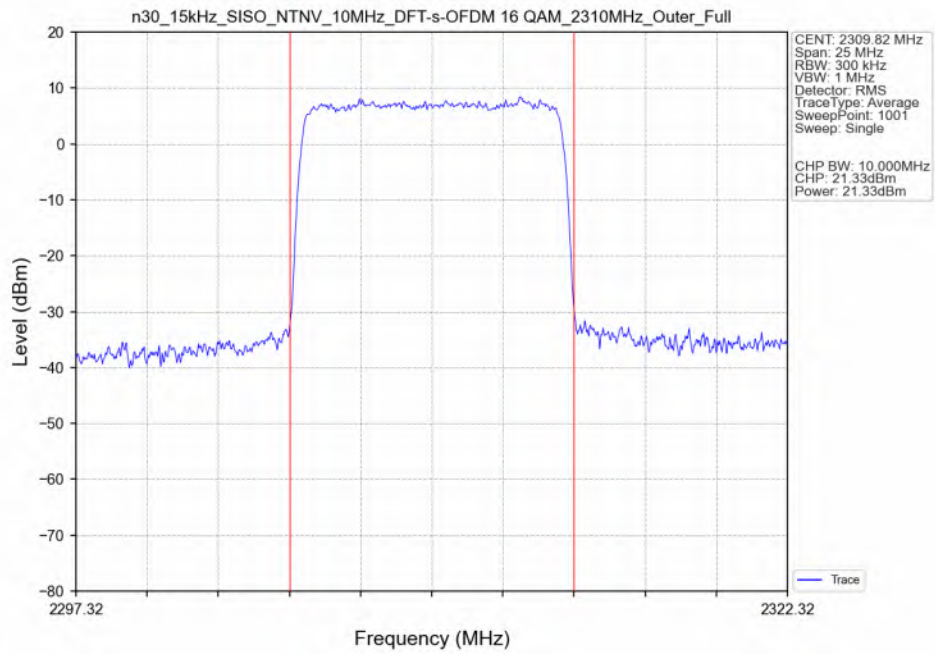
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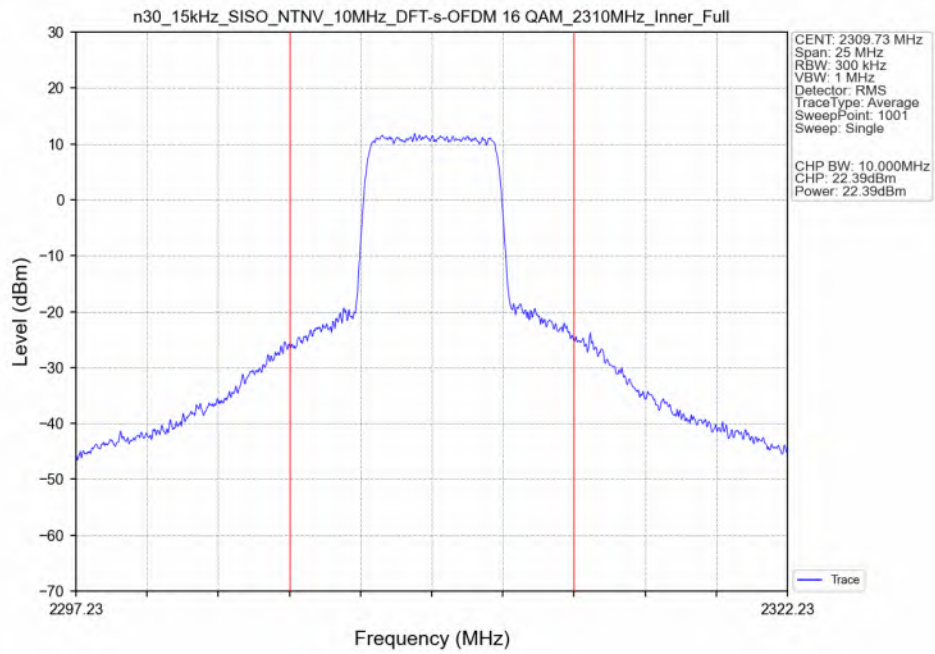
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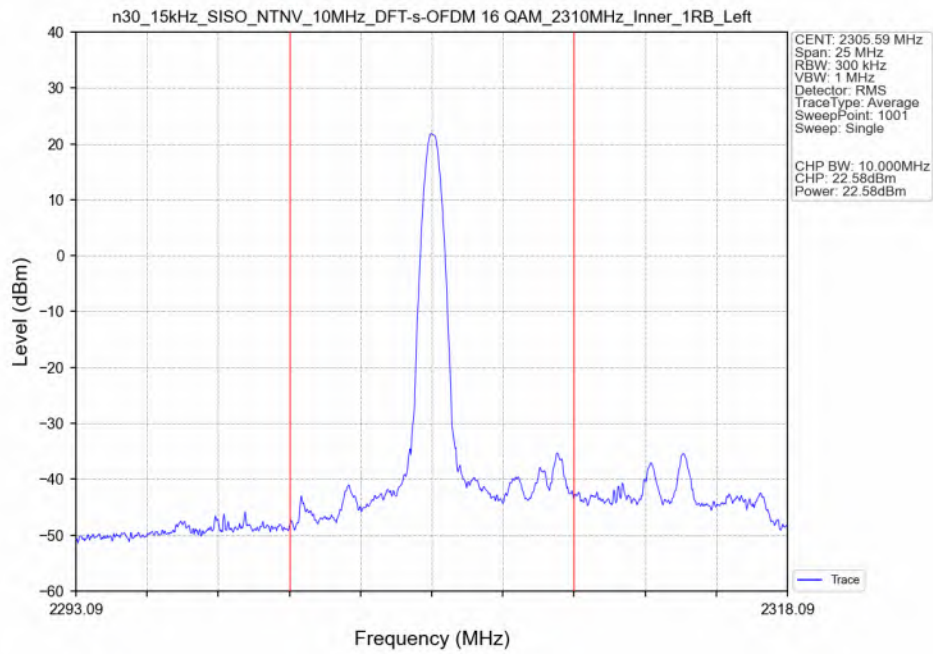
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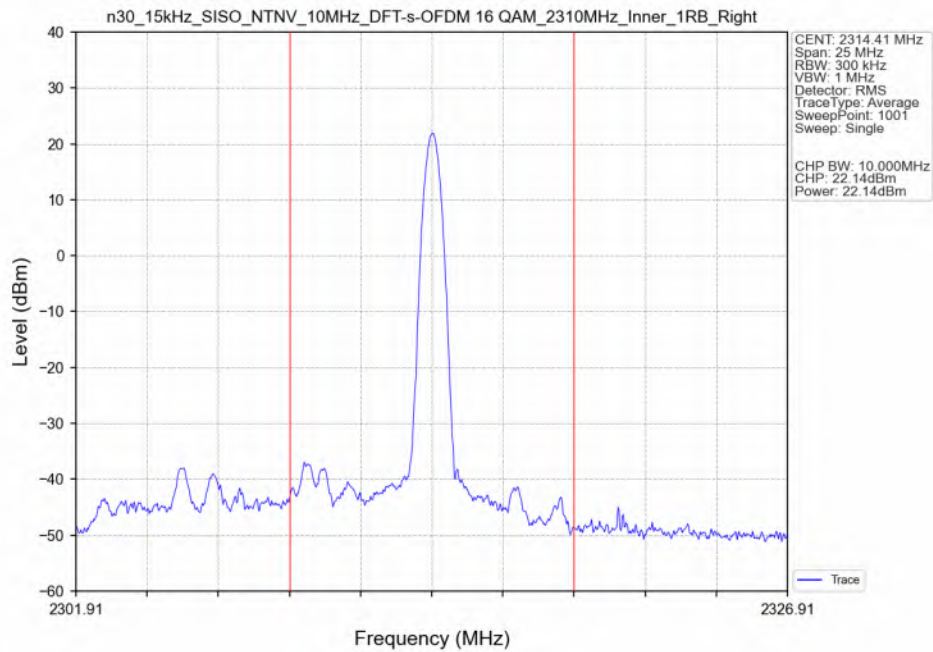
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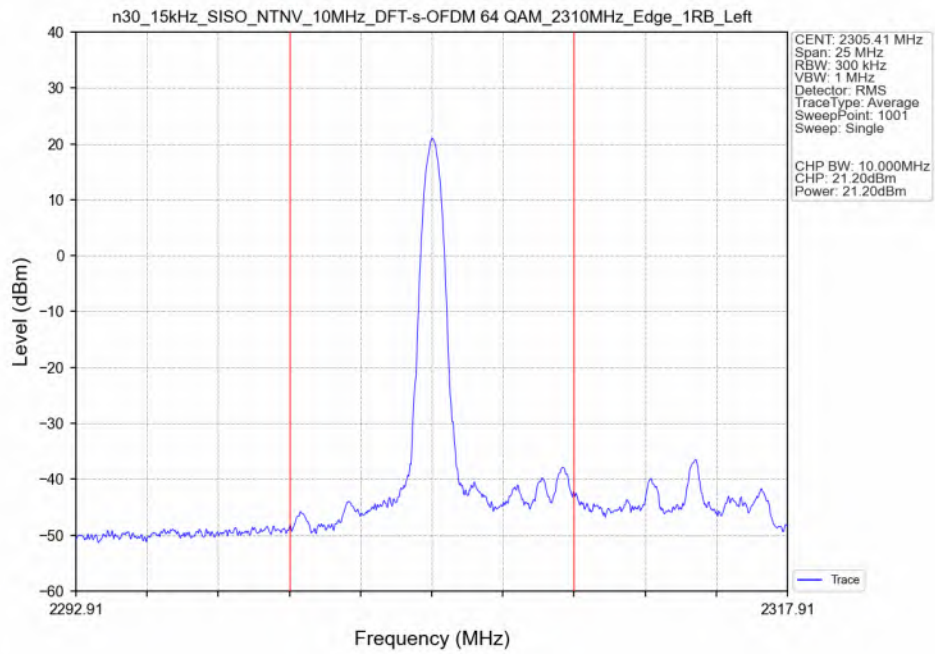
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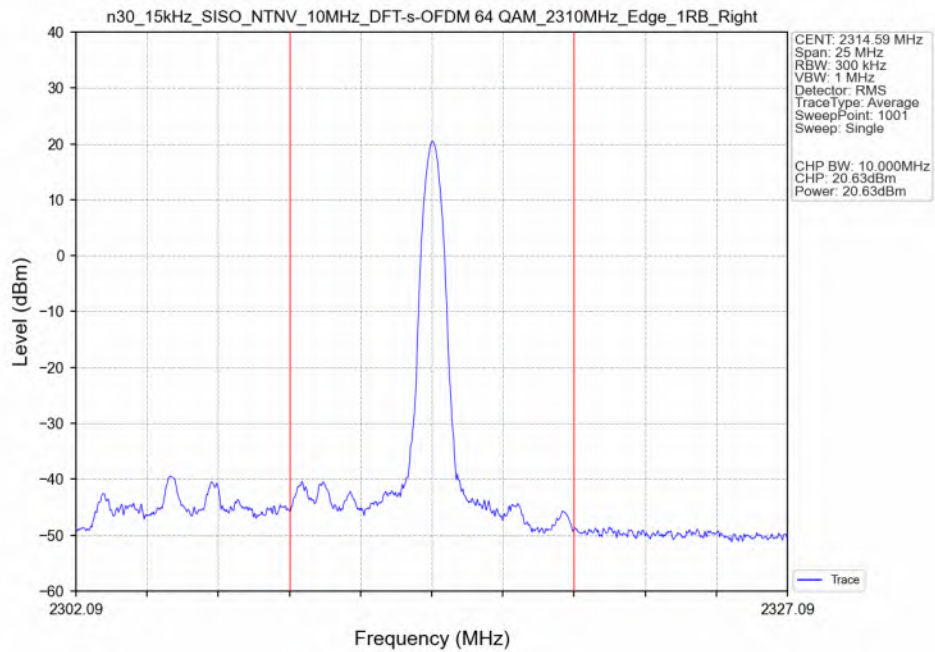
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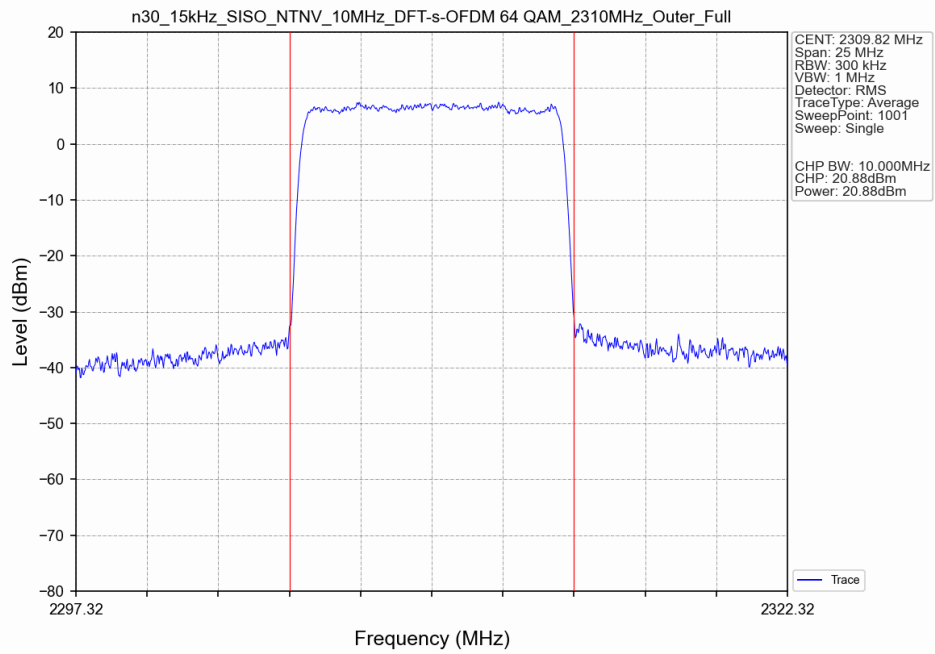
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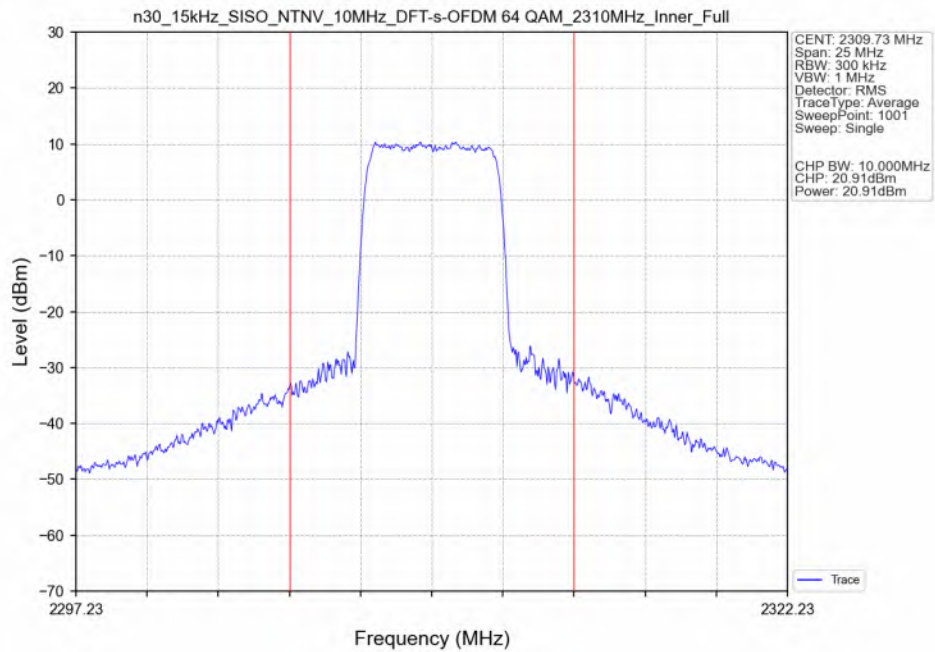
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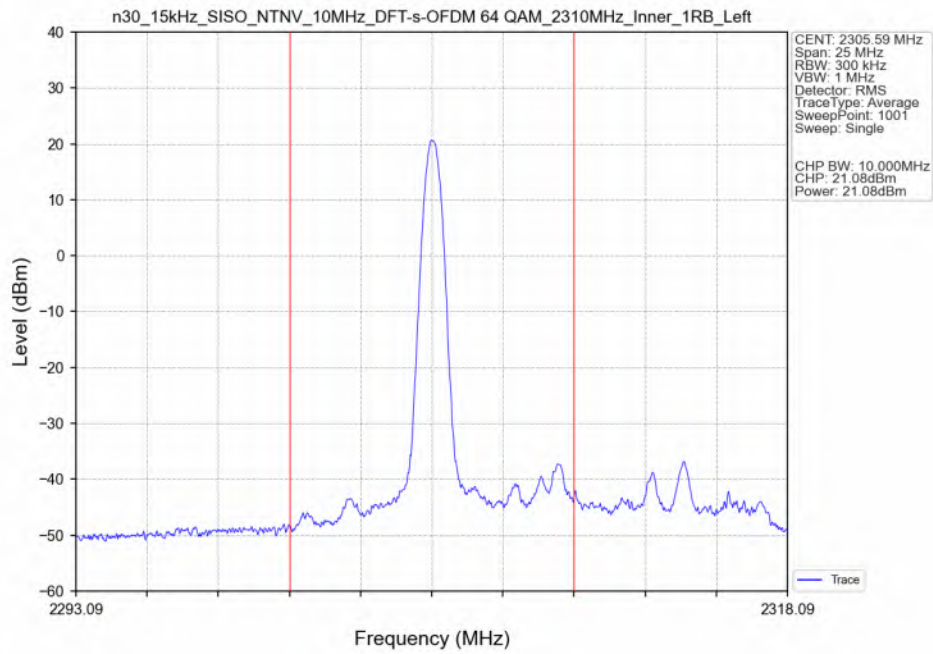
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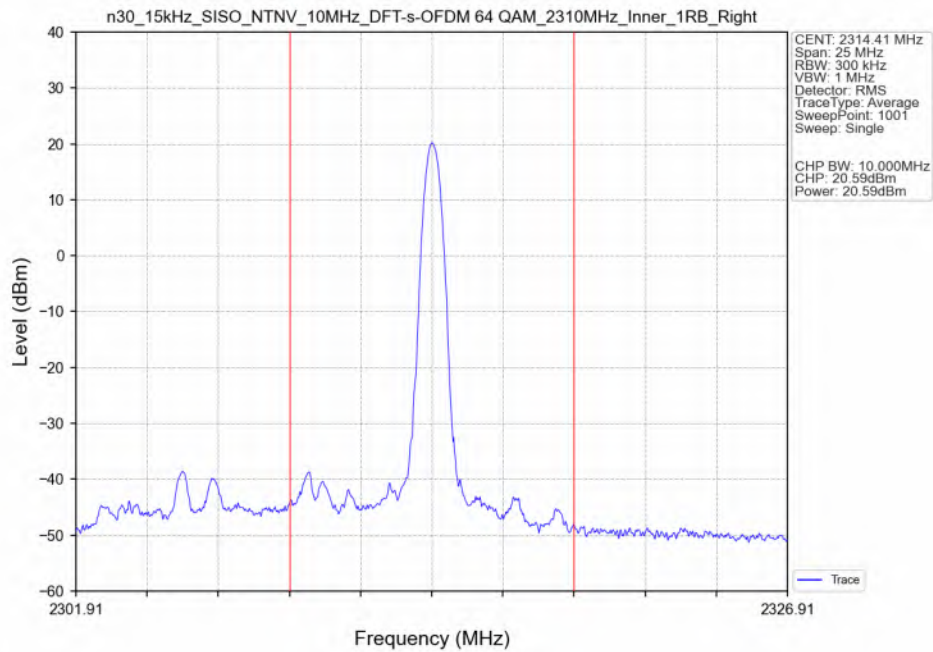
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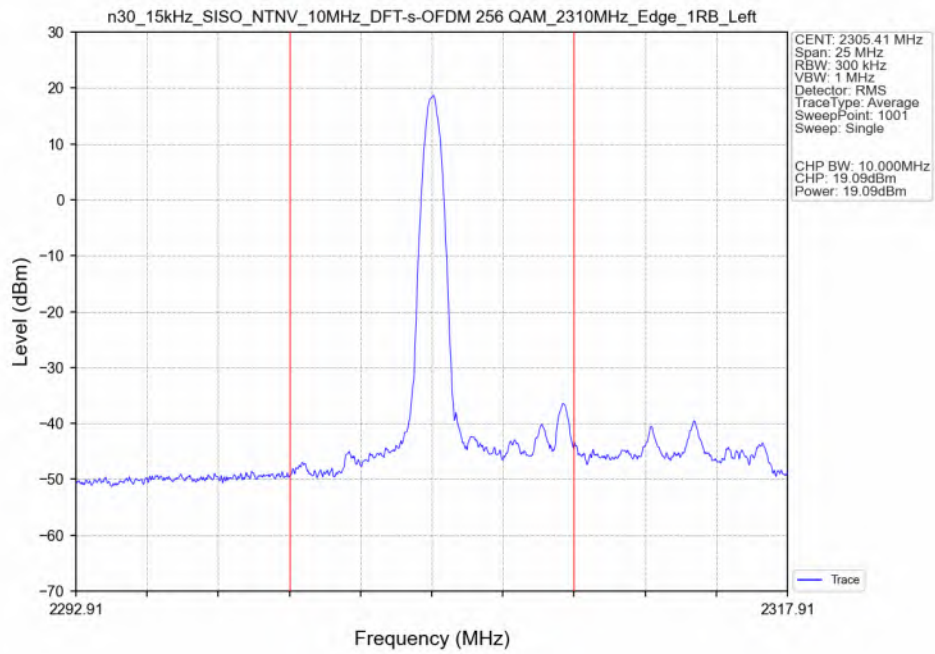
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2310MHz_Inner_1RB_Left_Ant7



n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2310MHz_Inner_1RB_Right_Ant7



n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2310MHz_Edge_1RB_Left_Ant7



n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2310MHz_Edge_1RB_Right_Ant7

