

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	826.5	Edge_1RB_Left	23.29	/	/	18.14	/	/	<=38.45	Pass
		Edge_1RB_Right	23.33	/	/	18.18	/	/	<=38.45	Pass
		Outer_Full	23.40	/	/	18.25	/	/	<=38.45	Pass
		Inner_Full	23.33	/	/	18.18	/	/	<=38.45	Pass
		Inner_1RB_Left	23.28	/	/	18.13	/	/	<=38.45	Pass
		Inner_1RB_Right	23.27	/	/	18.12	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.44	/	/	18.29	/	/	<=38.45	Pass
		Edge_1RB_Right	23.56	/	/	18.41	/	/	<=38.45	Pass
		Outer_Full	23.59	/	/	18.44	/	/	<=38.45	Pass
		Inner_Full	23.54	/	/	18.39	/	/	<=38.45	Pass
		Inner_1RB_Left	23.42	/	/	18.27	/	/	<=38.45	Pass
		Inner_1RB_Right	23.59	/	/	18.44	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.55	/	/	18.40	/	/	<=38.45	Pass
		Edge_1RB_Right	23.65	/	/	18.50	/	/	<=38.45	Pass
		Outer_Full	23.53	/	/	18.38	/	/	<=38.45	Pass
		Inner_Full	23.49	/	/	18.34	/	/	<=38.45	Pass
		Inner_1RB_Left	23.49	/	/	18.34	/	/	<=38.45	Pass
		Inner_1RB_Right	23.61	/	/	18.46	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	826.5	Edge_1RB_Left	23.42	/	/	18.27	/	/	<=38.45	Pass
		Edge_1RB_Right	23.50	/	/	18.35	/	/	<=38.45	Pass
		Outer_Full	23.40	/	/	18.25	/	/	<=38.45	Pass
		Inner_Full	23.31	/	/	18.16	/	/	<=38.45	Pass
		Inner_1RB_Left	23.55	/	/	18.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.23	/	/	18.08	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.61	/	/	18.46	/	/	<=38.45	Pass
		Edge_1RB_Right	23.63	/	/	18.48	/	/	<=38.45	Pass
		Outer_Full	23.57	/	/	18.42	/	/	<=38.45	Pass
		Inner_Full	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner_1RB_Left	23.60	/	/	18.45	/	/	<=38.45	Pass
		Inner_1RB_Right	23.74	/	/	18.59	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.78	/	/	18.63	/	/	<=38.45	Pass
		Edge_1RB_Right	23.85	/	/	18.70	/	/	<=38.45	Pass
		Outer_Full	23.51	/	/	18.36	/	/	<=38.45	Pass
		Inner_Full	23.48	/	/	18.33	/	/	<=38.45	Pass
		Inner_1RB_Left	23.51	/	/	18.36	/	/	<=38.45	Pass
		Inner_1RB_Right	23.54	/	/	18.39	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge_1RB_Left	22.61	/	/	17.46	/	/	<=38.45	Pass
		Edge_1RB_Right	22.55	/	/	17.40	/	/	<=38.45	Pass
		Outer_Full	22.35	/	/	17.20	/	/	<=38.45	Pass
		Inner_Full	23.37	/	/	18.22	/	/	<=38.45	Pass
		Inner_1RB_Left	23.52	/	/	18.37	/	/	<=38.45	Pass
		Inner_1RB_Right	23.48	/	/	18.33	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.63	/	/	17.48	/	/	<=38.45	Pass
		Edge_1RB_Right	22.68	/	/	17.53	/	/	<=38.45	Pass
		Outer_Full	22.61	/	/	17.46	/	/	<=38.45	Pass
		Inner_Full	23.49	/	/	18.34	/	/	<=38.45	Pass
		Inner_1RB_Left	23.71	/	/	18.56	/	/	<=38.45	Pass
		Inner_1RB_Right	23.61	/	/	18.46	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.72	/	/	17.57	/	/	<=38.45	Pass

		Edge 1RB Right	22.75	/	/	17.60	/	/	<=38.45	Pass
		Outer Full	22.50	/	/	17.35	/	/	<=38.45	Pass
		Inner Full	23.39	/	/	18.24	/	/	<=38.45	Pass
		Inner 1RB Left	23.86	/	/	18.71	/	/	<=38.45	Pass
		Inner 1RB Right	23.84	/	/	18.69	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge 1RB Left	22.00	/	/	16.85	/	/	<=38.45	Pass
		Edge 1RB Right	22.11	/	/	16.96	/	/	<=38.45	Pass
		Outer Full	21.97	/	/	16.82	/	/	<=38.45	Pass
		Inner Full	21.87	/	/	16.72	/	/	<=38.45	Pass
		Inner 1RB Left	22.09	/	/	16.94	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	21.86	/	/	16.71	/	/	<=38.45	Pass
		Edge 1RB Left	22.05	/	/	16.90	/	/	<=38.45	Pass
		Edge 1RB Right	22.26	/	/	17.11	/	/	<=38.45	Pass
		Outer Full	22.22	/	/	17.07	/	/	<=38.45	Pass
		Inner Full	22.06	/	/	16.91	/	/	<=38.45	Pass
	846.5	Inner 1RB Left	22.11	/	/	16.96	/	/	<=38.45	Pass
		Inner 1RB Right	22.29	/	/	17.14	/	/	<=38.45	Pass
		Edge 1RB Left	22.37	/	/	17.22	/	/	<=38.45	Pass
		Edge 1RB Right	22.31	/	/	17.16	/	/	<=38.45	Pass
		Outer Full	22.21	/	/	17.06	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Inner Full	21.98	/	/	16.83	/	/	<=38.45	Pass
		Inner 1RB Left	22.16	/	/	17.01	/	/	<=38.45	Pass
		Inner 1RB Right	22.37	/	/	17.22	/	/	<=38.45	Pass
		Edge 1RB Left	19.53	/	/	14.38	/	/	<=38.45	Pass
		Edge 1RB Right	19.62	/	/	14.47	/	/	<=38.45	Pass
	836.5	Outer Full	19.77	/	/	14.62	/	/	<=38.45	Pass
		Inner Full	19.77	/	/	14.62	/	/	<=38.45	Pass
		Inner 1RB Left	19.69	/	/	14.54	/	/	<=38.45	Pass
		Inner 1RB Right	19.55	/	/	14.40	/	/	<=38.45	Pass
		Edge 1RB Left	19.73	/	/	14.58	/	/	<=38.45	Pass
	846.5	Edge 1RB Right	19.89	/	/	14.74	/	/	<=38.45	Pass
		Outer Full	20.01	/	/	14.86	/	/	<=38.45	Pass
		Inner Full	20.01	/	/	14.86	/	/	<=38.45	Pass
		Inner 1RB Left	19.69	/	/	14.54	/	/	<=38.45	Pass
		Inner 1RB Right	19.86	/	/	14.71	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge 1RB Left	19.90	/	/	14.75	/	/	<=38.45	Pass
		Edge 1RB Right	19.88	/	/	14.73	/	/	<=38.45	Pass
		Outer Full	19.98	/	/	14.83	/	/	<=38.45	Pass
		Inner Full	19.87	/	/	14.72	/	/	<=38.45	Pass
		Inner 1RB Left	19.87	/	/	14.72	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	19.89	/	/	14.74	/	/	<=38.45	Pass
		Edge 1RB Left	21.47	/	/	16.32	/	/	<=38.45	Pass
		Edge 1RB Right	21.41	/	/	16.26	/	/	<=38.45	Pass
		Outer Full	21.36	/	/	16.21	/	/	<=38.45	Pass
		Inner Full	22.58	/	/	17.43	/	/	<=38.45	Pass
	846.5	Inner 1RB Left	22.93	/	/	17.78	/	/	<=38.45	Pass
		Inner 1RB Right	22.99	/	/	17.84	/	/	<=38.45	Pass
		Edge 1RB Left	21.59	/	/	16.44	/	/	<=38.45	Pass
		Edge 1RB Right	21.66	/	/	16.51	/	/	<=38.45	Pass
		Outer Full	21.64	/	/	16.49	/	/	<=38.45	Pass
	836.5	Inner Full	23.02	/	/	17.87	/	/	<=38.45	Pass
		Inner 1RB Left	23.09	/	/	17.94	/	/	<=38.45	Pass
		Inner 1RB Right	23.03	/	/	17.88	/	/	<=38.45	Pass
		Edge 1RB Left	21.57	/	/	16.42	/	/	<=38.45	Pass
		Edge 1RB Right	21.67	/	/	16.52	/	/	<=38.45	Pass
	846.5	Outer Full	21.67	/	/	16.52	/	/	<=38.45	Pass
		Inner Full	23.09	/	/	17.94	/	/	<=38.45	Pass
		Inner 1RB Left	23.14	/	/	17.99	/	/	<=38.45	Pass
		Inner 1RB Right	23.25	/	/	18.10	/	/	<=38.45	Pass

CP-OFDM 16 QAM	826.5	Edge_1RB_Left	21.41	/	/	16.26	/	/	<=38.45	Pass
		Edge_1RB_Right	21.45	/	/	16.30	/	/	<=38.45	Pass
		Outer_Full	21.24	/	/	16.09	/	/	<=38.45	Pass
		Inner_Full	22.24	/	/	17.09	/	/	<=38.45	Pass
		Inner_1RB_Left	22.47	/	/	17.32	/	/	<=38.45	Pass
		Inner_1RB_Right	22.26	/	/	17.11	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.48	/	/	16.33	/	/	<=38.45	Pass
		Edge_1RB_Right	21.68	/	/	16.53	/	/	<=38.45	Pass
		Outer_Full	21.42	/	/	16.27	/	/	<=38.45	Pass
		Inner_Full	22.56	/	/	17.41	/	/	<=38.45	Pass
		Inner_1RB_Left	22.54	/	/	17.39	/	/	<=38.45	Pass
		Inner_1RB_Right	22.69	/	/	17.54	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.66	/	/	16.51	/	/	<=38.45	Pass
		Edge_1RB_Right	21.73	/	/	16.58	/	/	<=38.45	Pass
		Outer_Full	21.51	/	/	16.36	/	/	<=38.45	Pass
		Inner_Full	22.57	/	/	17.42	/	/	<=38.45	Pass
		Inner_1RB_Left	22.58	/	/	17.43	/	/	<=38.45	Pass
		Inner_1RB_Right	22.57	/	/	17.42	/	/	<=38.45	Pass
CP-OFDM 64 QAM	826.5	Edge_1RB_Left	20.90	/	/	15.75	/	/	<=38.45	Pass
		Edge_1RB_Right	20.93	/	/	15.78	/	/	<=38.45	Pass
		Outer_Full	20.98	/	/	15.83	/	/	<=38.45	Pass
		Inner_Full	20.83	/	/	15.68	/	/	<=38.45	Pass
		Inner_1RB_Left	20.94	/	/	15.79	/	/	<=38.45	Pass
		Inner_1RB_Right	20.84	/	/	15.69	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.99	/	/	15.84	/	/	<=38.45	Pass
		Edge_1RB_Right	21.20	/	/	16.05	/	/	<=38.45	Pass
		Outer_Full	21.20	/	/	16.05	/	/	<=38.45	Pass
		Inner_Full	21.14	/	/	15.99	/	/	<=38.45	Pass
		Inner_1RB_Left	21.07	/	/	15.92	/	/	<=38.45	Pass
		Inner_1RB_Right	21.23	/	/	16.08	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.14	/	/	15.99	/	/	<=38.45	Pass
		Edge_1RB_Right	21.17	/	/	16.02	/	/	<=38.45	Pass
		Outer_Full	21.21	/	/	16.06	/	/	<=38.45	Pass
		Inner_Full	20.83	/	/	15.68	/	/	<=38.45	Pass
		Inner_1RB_Left	21.13	/	/	15.98	/	/	<=38.45	Pass
		Inner_1RB_Right	21.23	/	/	16.08	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge_1RB_Left	17.77	/	/	12.62	/	/	<=38.45	Pass
		Edge_1RB_Right	17.65	/	/	12.50	/	/	<=38.45	Pass
		Outer_Full	17.86	/	/	12.71	/	/	<=38.45	Pass
		Inner_Full	17.88	/	/	12.73	/	/	<=38.45	Pass
		Inner_1RB_Left	17.66	/	/	12.51	/	/	<=38.45	Pass
		Inner_1RB_Right	17.47	/	/	12.32	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.75	/	/	12.60	/	/	<=38.45	Pass
		Edge_1RB_Right	17.82	/	/	12.67	/	/	<=38.45	Pass
		Outer_Full	18.09	/	/	12.94	/	/	<=38.45	Pass
		Inner_Full	18.03	/	/	12.88	/	/	<=38.45	Pass
		Inner_1RB_Left	17.64	/	/	12.49	/	/	<=38.45	Pass
		Inner_1RB_Right	17.85	/	/	12.70	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	17.80	/	/	12.65	/	/	<=38.45	Pass
		Edge_1RB_Right	17.81	/	/	12.66	/	/	<=38.45	Pass
		Outer_Full	18.04	/	/	12.89	/	/	<=38.45	Pass
		Inner_Full	17.98	/	/	12.83	/	/	<=38.45	Pass
		Inner_1RB_Left	17.79	/	/	12.64	/	/	<=38.45	Pass
		Inner_1RB_Right	17.88	/	/	12.73	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	829	Edge_1RB_Left	23.30	/	/	18.15	/	/	<=38.45	Pass
		Edge_1RB_Right	23.27	/	/	18.12	/	/	<=38.45	Pass
		Outer_Full	23.36	/	/	18.21	/	/	<=38.45	Pass
		Inner_Full	23.34	/	/	18.19	/	/	<=38.45	Pass
		Inner_1RB_Left	23.29	/	/	18.14	/	/	<=38.45	Pass
		Inner_1RB_Right	23.36	/	/	18.21	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.24	/	/	18.09	/	/	<=38.45	Pass
		Edge_1RB_Right	23.49	/	/	18.34	/	/	<=38.45	Pass
		Outer_Full	23.57	/	/	18.42	/	/	<=38.45	Pass
		Inner_Full	23.61	/	/	18.46	/	/	<=38.45	Pass
		Inner_1RB_Left	23.26	/	/	18.11	/	/	<=38.45	Pass
		Inner_1RB_Right	23.42	/	/	18.27	/	/	<=38.45	Pass
	844	Edge_1RB_Left	23.44	/	/	18.29	/	/	<=38.45	Pass
		Edge_1RB_Right	23.52	/	/	18.37	/	/	<=38.45	Pass
		Outer_Full	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner_Full	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner_1RB_Left	23.50	/	/	18.35	/	/	<=38.45	Pass
		Inner_1RB_Right	23.47	/	/	18.32	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	829	Edge_1RB_Left	23.40	/	/	18.25	/	/	<=38.45	Pass
		Edge_1RB_Right	23.49	/	/	18.34	/	/	<=38.45	Pass
		Outer_Full	23.45	/	/	18.30	/	/	<=38.45	Pass
		Inner_Full	23.35	/	/	18.20	/	/	<=38.45	Pass
		Inner_1RB_Left	23.52	/	/	18.37	/	/	<=38.45	Pass
		Inner_1RB_Right	23.58	/	/	18.43	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.44	/	/	18.29	/	/	<=38.45	Pass
		Edge_1RB_Right	23.58	/	/	18.43	/	/	<=38.45	Pass
		Outer_Full	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner_Full	23.60	/	/	18.45	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	18.28	/	/	<=38.45	Pass
		Inner_1RB_Right	23.52	/	/	18.37	/	/	<=38.45	Pass
	844	Edge_1RB_Left	23.59	/	/	18.44	/	/	<=38.45	Pass
		Edge_1RB_Right	23.58	/	/	18.43	/	/	<=38.45	Pass
		Outer_Full	23.47	/	/	18.32	/	/	<=38.45	Pass
		Inner_Full	23.55	/	/	18.40	/	/	<=38.45	Pass
		Inner_1RB_Left	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner_1RB_Right	23.76	/	/	18.61	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge_1RB_Left	22.65	/	/	17.50	/	/	<=38.45	Pass
		Edge_1RB_Right	22.56	/	/	17.41	/	/	<=38.45	Pass
		Outer_Full	22.38	/	/	17.23	/	/	<=38.45	Pass
		Inner_Full	23.38	/	/	18.23	/	/	<=38.45	Pass
		Inner_1RB_Left	23.50	/	/	18.35	/	/	<=38.45	Pass
		Inner_1RB_Right	23.65	/	/	18.50	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.47	/	/	17.32	/	/	<=38.45	Pass
		Edge_1RB_Right	22.62	/	/	17.47	/	/	<=38.45	Pass
		Outer_Full	22.56	/	/	17.41	/	/	<=38.45	Pass
		Inner_Full	23.62	/	/	18.47	/	/	<=38.45	Pass
		Inner_1RB_Left	23.49	/	/	18.34	/	/	<=38.45	Pass
		Inner_1RB_Right	23.58	/	/	18.43	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.62	/	/	17.47	/	/	<=38.45	Pass
		Edge_1RB_Right	22.62	/	/	17.47	/	/	<=38.45	Pass
		Outer_Full	22.56	/	/	17.41	/	/	<=38.45	Pass
		Inner_Full	23.60	/	/	18.45	/	/	<=38.45	Pass
		Inner_1RB_Left	23.60	/	/	18.45	/	/	<=38.45	Pass
		Inner_1RB_Right	23.71	/	/	18.56	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge_1RB_Left	22.04	/	/	16.89	/	/	<=38.45	Pass
		Edge_1RB_Right	22.09	/	/	16.94	/	/	<=38.45	Pass

		Outer_Full	21.93	/	/	16.78	/	/	<=38.45	Pass
		Inner_Full	22.00	/	/	16.85	/	/	<=38.45	Pass
		Inner_1RB_Left	21.99	/	/	16.84	/	/	<=38.45	Pass
		Inner_1RB_Right	22.08	/	/	16.93	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.02	/	/	16.87	/	/	<=38.45	Pass
		Edge_1RB_Right	22.18	/	/	17.03	/	/	<=38.45	Pass
		Outer_Full	22.14	/	/	16.99	/	/	<=38.45	Pass
		Inner_Full	22.28	/	/	17.13	/	/	<=38.45	Pass
		Inner_1RB_Left	22.03	/	/	16.88	/	/	<=38.45	Pass
		Inner_1RB_Right	22.28	/	/	17.13	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.17	/	/	17.02	/	/	<=38.45	Pass
		Edge_1RB_Right	22.24	/	/	17.09	/	/	<=38.45	Pass
		Outer_Full	22.14	/	/	16.99	/	/	<=38.45	Pass
		Inner_Full	22.25	/	/	17.10	/	/	<=38.45	Pass
		Inner_1RB_Left	22.08	/	/	16.93	/	/	<=38.45	Pass
		Inner_1RB_Right	22.32	/	/	17.17	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge_1RB_Left	19.62	/	/	14.47	/	/	<=38.45	Pass
		Edge_1RB_Right	19.54	/	/	14.39	/	/	<=38.45	Pass
		Outer_Full	19.90	/	/	14.75	/	/	<=38.45	Pass
		Inner_Full	19.82	/	/	14.67	/	/	<=38.45	Pass
		Inner_1RB_Left	19.67	/	/	14.52	/	/	<=38.45	Pass
		Inner_1RB_Right	19.58	/	/	14.43	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.51	/	/	14.36	/	/	<=38.45	Pass
		Edge_1RB_Right	19.79	/	/	14.64	/	/	<=38.45	Pass
		Outer_Full	20.00	/	/	14.85	/	/	<=38.45	Pass
		Inner_Full	19.96	/	/	14.81	/	/	<=38.45	Pass
		Inner_1RB_Left	19.49	/	/	14.34	/	/	<=38.45	Pass
		Inner_1RB_Right	19.83	/	/	14.68	/	/	<=38.45	Pass
	844	Edge_1RB_Left	19.71	/	/	14.56	/	/	<=38.45	Pass
		Edge_1RB_Right	19.81	/	/	14.66	/	/	<=38.45	Pass
		Outer_Full	20.03	/	/	14.88	/	/	<=38.45	Pass
		Inner_Full	20.01	/	/	14.86	/	/	<=38.45	Pass
		Inner_1RB_Left	19.73	/	/	14.58	/	/	<=38.45	Pass
		Inner_1RB_Right	19.79	/	/	14.64	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge_1RB_Left	21.42	/	/	16.27	/	/	<=38.45	Pass
		Edge_1RB_Right	21.47	/	/	16.32	/	/	<=38.45	Pass
		Outer_Full	21.39	/	/	16.24	/	/	<=38.45	Pass
		Inner_Full	22.88	/	/	17.73	/	/	<=38.45	Pass
		Inner_1RB_Left	22.92	/	/	17.77	/	/	<=38.45	Pass
		Inner_1RB_Right	22.96	/	/	17.81	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.30	/	/	16.15	/	/	<=38.45	Pass
		Edge_1RB_Right	21.47	/	/	16.32	/	/	<=38.45	Pass
		Outer_Full	21.56	/	/	16.41	/	/	<=38.45	Pass
		Inner_Full	22.88	/	/	17.73	/	/	<=38.45	Pass
		Inner_1RB_Left	22.87	/	/	17.72	/	/	<=38.45	Pass
		Inner_1RB_Right	23.10	/	/	17.95	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.53	/	/	16.38	/	/	<=38.45	Pass
		Edge_1RB_Right	21.33	/	/	16.18	/	/	<=38.45	Pass
		Outer_Full	21.54	/	/	16.39	/	/	<=38.45	Pass
		Inner_Full	23.03	/	/	17.88	/	/	<=38.45	Pass
		Inner_1RB_Left	22.99	/	/	17.84	/	/	<=38.45	Pass
		Inner_1RB_Right	23.04	/	/	17.89	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Edge_1RB_Left	21.27	/	/	16.12	/	/	<=38.45	Pass
		Edge_1RB_Right	21.35	/	/	16.20	/	/	<=38.45	Pass
		Outer_Full	21.39	/	/	16.24	/	/	<=38.45	Pass
		Inner_Full	22.38	/	/	17.23	/	/	<=38.45	Pass
		Inner_1RB_Left	22.30	/	/	17.15	/	/	<=38.45	Pass
		Inner_1RB_Right	22.39	/	/	17.24	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.44	/	/	16.29	/	/	<=38.45	Pass

		Edge_1RB_Right	21.44	/	/	16.29	/	/	<=38.45	Pass
		Outer_Full	21.57	/	/	16.42	/	/	<=38.45	Pass
		Inner_Full	22.52	/	/	17.37	/	/	<=38.45	Pass
		Inner_1RB_Left	22.36	/	/	17.21	/	/	<=38.45	Pass
		Inner_1RB_Right	22.63	/	/	17.48	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.58	/	/	16.43	/	/	<=38.45	Pass
		Edge_1RB_Right	21.60	/	/	16.45	/	/	<=38.45	Pass
		Outer_Full	21.65	/	/	16.50	/	/	<=38.45	Pass
		Inner_Full	22.80	/	/	17.65	/	/	<=38.45	Pass
		Inner_1RB_Left	22.56	/	/	17.41	/	/	<=38.45	Pass
		Inner_1RB_Right	22.65	/	/	17.50	/	/	<=38.45	Pass
	CP-OFDM 64 QAM	829	Edge_1RB_Left	20.88	/	/	15.73	/	/	<=38.45
Edge_1RB_Right			20.88	/	/	15.73	/	/	<=38.45	Pass
Outer_Full			20.94	/	/	15.79	/	/	<=38.45	Pass
Inner_Full			20.94	/	/	15.79	/	/	<=38.45	Pass
Inner_1RB_Left			20.89	/	/	15.74	/	/	<=38.45	Pass
Inner_1RB_Right			20.90	/	/	15.75	/	/	<=38.45	Pass
836.5		Edge_1RB_Left	20.88	/	/	15.73	/	/	<=38.45	Pass
		Edge_1RB_Right	21.17	/	/	16.02	/	/	<=38.45	Pass
		Outer_Full	21.14	/	/	15.99	/	/	<=38.45	Pass
		Inner_Full	21.11	/	/	15.96	/	/	<=38.45	Pass
		Inner_1RB_Left	20.91	/	/	15.76	/	/	<=38.45	Pass
		Inner_1RB_Right	21.17	/	/	16.02	/	/	<=38.45	Pass
844		Edge_1RB_Left	21.15	/	/	16.00	/	/	<=38.45	Pass
		Edge_1RB_Right	21.17	/	/	16.02	/	/	<=38.45	Pass
		Outer_Full	20.99	/	/	15.84	/	/	<=38.45	Pass
		Inner_Full	21.15	/	/	16.00	/	/	<=38.45	Pass
		Inner_1RB_Left	21.15	/	/	16.00	/	/	<=38.45	Pass
		Inner_1RB_Right	21.07	/	/	15.92	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Edge_1RB_Left	17.64	/	/	12.49	/	/	<=38.45	Pass
		Edge_1RB_Right	17.68	/	/	12.53	/	/	<=38.45	Pass
		Outer_Full	17.91	/	/	12.76	/	/	<=38.45	Pass
		Inner_Full	17.83	/	/	12.68	/	/	<=38.45	Pass
		Inner_1RB_Left	17.60	/	/	12.45	/	/	<=38.45	Pass
		Inner_1RB_Right	17.61	/	/	12.46	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.55	/	/	12.40	/	/	<=38.45	Pass
		Edge_1RB_Right	17.81	/	/	12.66	/	/	<=38.45	Pass
		Outer_Full	18.09	/	/	12.94	/	/	<=38.45	Pass
		Inner_Full	17.98	/	/	12.83	/	/	<=38.45	Pass
		Inner_1RB_Left	17.57	/	/	12.42	/	/	<=38.45	Pass
		Inner_1RB_Right	17.75	/	/	12.60	/	/	<=38.45	Pass
	844	Edge_1RB_Left	17.73	/	/	12.58	/	/	<=38.45	Pass
		Edge_1RB_Right	17.84	/	/	12.69	/	/	<=38.45	Pass
		Outer_Full	18.18	/	/	13.03	/	/	<=38.45	Pass
Inner_Full		18.02	/	/	12.87	/	/	<=38.45	Pass	
Inner_1RB_Left		17.76	/	/	12.61	/	/	<=38.45	Pass	
	Inner_1RB_Right	17.80	/	/	12.65	/	/	<=38.45	Pass	
Note1: Antenna Gain: Ant1: -3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15k_SISO_15MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	831.5	Edge_1RB_Left	23.37	/	/	18.22	/	/	<=38.45	Pass
		Edge_1RB_Right	23.58	/	/	18.43	/	/	<=38.45	Pass
		Outer_Full	23.57	/	/	18.42	/	/	<=38.45	Pass

		Inner Full	23.55	/	/	18.40	/	/	<=38.45	Pass
		Inner 1RB Left	23.35	/	/	18.20	/	/	<=38.45	Pass
		Inner 1RB Right	23.57	/	/	18.42	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	23.37	/	/	18.22	/	/	<=38.45	Pass
		Edge 1RB Right	23.56	/	/	18.41	/	/	<=38.45	Pass
		Outer Full	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner Full	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner 1RB Left	23.37	/	/	18.22	/	/	<=38.45	Pass
		Inner 1RB Right	23.48	/	/	18.33	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	23.46	/	/	18.31	/	/	<=38.45	Pass
		Edge 1RB Right	23.48	/	/	18.33	/	/	<=38.45	Pass
		Outer Full	23.53	/	/	18.38	/	/	<=38.45	Pass
		Inner Full	23.56	/	/	18.41	/	/	<=38.45	Pass
		Inner 1RB Left	23.44	/	/	18.29	/	/	<=38.45	Pass
		Inner 1RB Right	23.50	/	/	18.35	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	831.5	Edge 1RB Left	23.56	/	/	18.41	/	/	<=38.45	Pass
		Edge 1RB Right	23.74	/	/	18.59	/	/	<=38.45	Pass
		Outer Full	23.57	/	/	18.42	/	/	<=38.45	Pass
		Inner Full	23.52	/	/	18.37	/	/	<=38.45	Pass
		Inner 1RB Left	23.61	/	/	18.46	/	/	<=38.45	Pass
		Inner 1RB Right	23.64	/	/	18.49	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	23.37	/	/	18.22	/	/	<=38.45	Pass
		Edge 1RB Right	23.72	/	/	18.57	/	/	<=38.45	Pass
		Outer Full	23.56	/	/	18.41	/	/	<=38.45	Pass
		Inner Full	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner 1RB Left	23.59	/	/	18.44	/	/	<=38.45	Pass
		Inner 1RB Right	23.58	/	/	18.43	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	23.63	/	/	18.48	/	/	<=38.45	Pass
		Edge 1RB Right	23.71	/	/	18.56	/	/	<=38.45	Pass
		Outer Full	23.60	/	/	18.45	/	/	<=38.45	Pass
		Inner Full	23.59	/	/	18.44	/	/	<=38.45	Pass
		Inner 1RB Left	23.73	/	/	18.58	/	/	<=38.45	Pass
		Inner 1RB Right	23.74	/	/	18.59	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge 1RB Left	22.58	/	/	17.43	/	/	<=38.45	Pass
		Edge 1RB Right	22.68	/	/	17.53	/	/	<=38.45	Pass
		Outer Full	22.58	/	/	17.43	/	/	<=38.45	Pass
		Inner Full	23.47	/	/	18.32	/	/	<=38.45	Pass
		Inner 1RB Left	23.50	/	/	18.35	/	/	<=38.45	Pass
		Inner 1RB Right	23.60	/	/	18.45	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.55	/	/	17.40	/	/	<=38.45	Pass
		Edge 1RB Right	22.65	/	/	17.50	/	/	<=38.45	Pass
		Outer Full	22.58	/	/	17.43	/	/	<=38.45	Pass
		Inner Full	23.61	/	/	18.46	/	/	<=38.45	Pass
		Inner 1RB Left	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner 1RB Right	23.65	/	/	18.50	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	22.73	/	/	17.58	/	/	<=38.45	Pass
		Edge 1RB Right	22.97	/	/	17.82	/	/	<=38.45	Pass
		Outer Full	22.60	/	/	17.45	/	/	<=38.45	Pass
		Inner Full	23.57	/	/	18.42	/	/	<=38.45	Pass
		Inner 1RB Left	23.68	/	/	18.53	/	/	<=38.45	Pass
		Inner 1RB Right	23.63	/	/	18.48	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge 1RB Left	22.14	/	/	16.99	/	/	<=38.45	Pass
		Edge 1RB Right	22.25	/	/	17.10	/	/	<=38.45	Pass
		Outer Full	22.05	/	/	16.90	/	/	<=38.45	Pass
		Inner Full	22.05	/	/	16.90	/	/	<=38.45	Pass
		Inner 1RB Left	22.13	/	/	16.98	/	/	<=38.45	Pass
		Inner 1RB Right	22.26	/	/	17.11	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.99	/	/	16.84	/	/	<=38.45	Pass
		Edge 1RB Right	22.24	/	/	17.09	/	/	<=38.45	Pass

		Outer_Full	22.13	/	/	16.98	/	/	<=38.45	Pass
		Inner_Full	22.11	/	/	16.96	/	/	<=38.45	Pass
		Inner_1RB_Left	22.13	/	/	16.98	/	/	<=38.45	Pass
		Inner_1RB_Right	22.23	/	/	17.08	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.17	/	/	17.02	/	/	<=38.45	Pass
		Edge_1RB_Right	22.17	/	/	17.02	/	/	<=38.45	Pass
		Outer_Full	22.16	/	/	17.01	/	/	<=38.45	Pass
		Inner_Full	22.19	/	/	17.04	/	/	<=38.45	Pass
		Inner_1RB_Left	22.09	/	/	16.94	/	/	<=38.45	Pass
		Inner_1RB_Right	22.22	/	/	17.07	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Edge_1RB_Left	19.70	/	/	14.55	/	/	<=38.45	Pass
		Edge_1RB_Right	19.88	/	/	14.73	/	/	<=38.45	Pass
		Outer_Full	20.03	/	/	14.88	/	/	<=38.45	Pass
		Inner_Full	19.93	/	/	14.78	/	/	<=38.45	Pass
		Inner_1RB_Left	19.75	/	/	14.60	/	/	<=38.45	Pass
		Inner_1RB_Right	19.81	/	/	14.66	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.76	/	/	14.61	/	/	<=38.45	Pass
		Edge_1RB_Right	19.79	/	/	14.64	/	/	<=38.45	Pass
		Outer_Full	20.01	/	/	14.86	/	/	<=38.45	Pass
		Inner_Full	19.95	/	/	14.80	/	/	<=38.45	Pass
		Inner_1RB_Left	19.71	/	/	14.56	/	/	<=38.45	Pass
		Inner_1RB_Right	19.72	/	/	14.57	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.77	/	/	14.62	/	/	<=38.45	Pass
		Edge_1RB_Right	19.73	/	/	14.58	/	/	<=38.45	Pass
		Outer_Full	20.08	/	/	14.93	/	/	<=38.45	Pass
		Inner_Full	20.02	/	/	14.87	/	/	<=38.45	Pass
		Inner_1RB_Left	19.76	/	/	14.61	/	/	<=38.45	Pass
		Inner_1RB_Right	19.74	/	/	14.59	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Edge_1RB_Left	21.51	/	/	16.36	/	/	<=38.45	Pass
		Edge_1RB_Right	21.61	/	/	16.46	/	/	<=38.45	Pass
		Outer_Full	21.57	/	/	16.42	/	/	<=38.45	Pass
		Inner_Full	22.84	/	/	17.69	/	/	<=38.45	Pass
		Inner_1RB_Left	22.97	/	/	17.82	/	/	<=38.45	Pass
		Inner_1RB_Right	23.10	/	/	17.95	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.46	/	/	16.31	/	/	<=38.45	Pass
		Edge_1RB_Right	21.57	/	/	16.42	/	/	<=38.45	Pass
		Outer_Full	21.58	/	/	16.43	/	/	<=38.45	Pass
		Inner_Full	22.88	/	/	17.73	/	/	<=38.45	Pass
		Inner_1RB_Left	23.02	/	/	17.87	/	/	<=38.45	Pass
		Inner_1RB_Right	23.08	/	/	17.93	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.48	/	/	16.33	/	/	<=38.45	Pass
		Edge_1RB_Right	21.53	/	/	16.38	/	/	<=38.45	Pass
		Outer_Full	21.66	/	/	16.51	/	/	<=38.45	Pass
		Inner_Full	23.09	/	/	17.94	/	/	<=38.45	Pass
		Inner_1RB_Left	23.00	/	/	17.85	/	/	<=38.45	Pass
		Inner_1RB_Right	23.02	/	/	17.87	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Edge_1RB_Left	21.53	/	/	16.38	/	/	<=38.45	Pass
		Edge_1RB_Right	21.66	/	/	16.51	/	/	<=38.45	Pass
		Outer_Full	21.55	/	/	16.40	/	/	<=38.45	Pass
		Inner_Full	22.53	/	/	17.38	/	/	<=38.45	Pass
		Inner_1RB_Left	22.51	/	/	17.36	/	/	<=38.45	Pass
		Inner_1RB_Right	22.66	/	/	17.51	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.55	/	/	16.40	/	/	<=38.45	Pass
		Edge_1RB_Right	21.66	/	/	16.51	/	/	<=38.45	Pass
		Outer_Full	21.50	/	/	16.35	/	/	<=38.45	Pass
		Inner_Full	22.54	/	/	17.39	/	/	<=38.45	Pass
		Inner_1RB_Left	22.48	/	/	17.33	/	/	<=38.45	Pass
		Inner_1RB_Right	22.55	/	/	17.40	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.62	/	/	16.47	/	/	<=38.45	Pass

		Edge_1RB_Right	21.46	/	/	16.31	/	/	<=38.45	Pass
		Outer_Full	21.88	/	/	16.73	/	/	<=38.45	Pass
		Inner_Full	22.58	/	/	17.43	/	/	<=38.45	Pass
		Inner_1RB_Left	22.76	/	/	17.61	/	/	<=38.45	Pass
		Inner_1RB_Right	22.75	/	/	17.60	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	21.06	/	/	15.91	/	/	<=38.45	Pass
		Edge_1RB_Right	21.18	/	/	16.03	/	/	<=38.45	Pass
		Outer_Full	21.07	/	/	15.92	/	/	<=38.45	Pass
		Inner_Full	21.01	/	/	15.86	/	/	<=38.45	Pass
		Inner_1RB_Left	21.06	/	/	15.91	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	21.22	/	/	16.07	/	/	<=38.45	Pass
		Edge_1RB_Left	21.00	/	/	15.85	/	/	<=38.45	Pass
		Edge_1RB_Right	21.19	/	/	16.04	/	/	<=38.45	Pass
		Outer_Full	20.98	/	/	15.83	/	/	<=38.45	Pass
		Inner_Full	21.04	/	/	15.89	/	/	<=38.45	Pass
	841.5	Inner_1RB_Left	21.00	/	/	15.85	/	/	<=38.45	Pass
		Inner_1RB_Right	21.08	/	/	15.93	/	/	<=38.45	Pass
		Edge_1RB_Left	21.02	/	/	15.87	/	/	<=38.45	Pass
		Edge_1RB_Right	20.91	/	/	15.76	/	/	<=38.45	Pass
		Outer_Full	21.06	/	/	15.91	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Inner_Full	21.14	/	/	15.99	/	/	<=38.45	Pass
		Inner_1RB_Left	21.00	/	/	15.85	/	/	<=38.45	Pass
		Inner_1RB_Right	21.00	/	/	15.85	/	/	<=38.45	Pass
		Edge_1RB_Left	17.85	/	/	12.70	/	/	<=38.45	Pass
		Edge_1RB_Right	17.86	/	/	12.71	/	/	<=38.45	Pass
	836.5	Outer_Full	18.09	/	/	12.94	/	/	<=38.45	Pass
		Inner_Full	17.97	/	/	12.82	/	/	<=38.45	Pass
		Inner_1RB_Left	17.75	/	/	12.60	/	/	<=38.45	Pass
		Inner_1RB_Right	17.82	/	/	12.67	/	/	<=38.45	Pass
		Edge_1RB_Left	17.73	/	/	12.58	/	/	<=38.45	Pass
	841.5	Edge_1RB_Right	17.87	/	/	12.72	/	/	<=38.45	Pass
		Outer_Full	18.06	/	/	12.91	/	/	<=38.45	Pass
		Inner_Full	18.09	/	/	12.94	/	/	<=38.45	Pass
		Inner_1RB_Left	17.67	/	/	12.52	/	/	<=38.45	Pass
		Inner_1RB_Right	17.89	/	/	12.74	/	/	<=38.45	Pass
		Edge_1RB_Left	17.71	/	/	12.56	/	/	<=38.45	Pass
		Edge_1RB_Right	17.65	/	/	12.50	/	/	<=38.45	Pass
		Outer_Full	18.10	/	/	12.95	/	/	<=38.45	Pass
		Inner_Full	18.10	/	/	12.95	/	/	<=38.45	Pass
		Inner_1RB_Left	17.74	/	/	12.59	/	/	<=38.45	Pass
			Inner_1RB_Right	17.73	/	/	12.58	/	/	<=38.45
Note1: Antenna Gain: Ant1: -3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_SISO_20MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Edge_1RB_Left	23.33	/	/	18.18	/	/	<=38.45	Pass
		Edge_1RB_Right	23.50	/	/	18.35	/	/	<=38.45	Pass
		Outer_Full	23.51	/	/	18.36	/	/	<=38.45	Pass
		Inner_Full	23.57	/	/	18.42	/	/	<=38.45	Pass
		Inner_1RB_Left	23.30	/	/	18.15	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	23.50	/	/	18.35	/	/	<=38.45	Pass
		Edge_1RB_Left	23.42	/	/	18.27	/	/	<=38.45	Pass
		Edge_1RB_Right	23.42	/	/	18.27	/	/	<=38.45	Pass
		Outer_Full	23.56	/	/	18.41	/	/	<=38.45	Pass

		Inner_Full	23.62	/	/	18.47	/	/	<=38.45	Pass
		Inner_1RB_Left	23.42	/	/	18.27	/	/	<=38.45	Pass
		Inner_1RB_Right	23.45	/	/	18.30	/	/	<=38.45	Pass
	839	Edge_1RB_Left	23.42	/	/	18.27	/	/	<=38.45	Pass
		Edge_1RB_Right	23.51	/	/	18.36	/	/	<=38.45	Pass
		Outer_Full	23.62	/	/	18.47	/	/	<=38.45	Pass
		Inner_Full	23.69	/	/	18.54	/	/	<=38.45	Pass
		Inner_1RB_Left	23.35	/	/	18.20	/	/	<=38.45	Pass
		Inner_1RB_Right	23.44	/	/	18.29	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	834	Edge_1RB_Left	23.54	/	/	18.39	/	/	<=38.45	Pass
		Edge_1RB_Right	23.65	/	/	18.50	/	/	<=38.45	Pass
		Outer_Full	23.50	/	/	18.35	/	/	<=38.45	Pass
		Inner_Full	23.54	/	/	18.39	/	/	<=38.45	Pass
		Inner_1RB_Left	23.54	/	/	18.39	/	/	<=38.45	Pass
		Inner_1RB_Right	23.66	/	/	18.51	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.55	/	/	18.40	/	/	<=38.45	Pass
		Edge_1RB_Right	23.70	/	/	18.55	/	/	<=38.45	Pass
		Outer_Full	23.52	/	/	18.37	/	/	<=38.45	Pass
		Inner_Full	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner_1RB_Left	23.55	/	/	18.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.66	/	/	18.51	/	/	<=38.45	Pass
	839	Edge_1RB_Left	23.38	/	/	18.23	/	/	<=38.45	Pass
		Edge_1RB_Right	23.68	/	/	18.53	/	/	<=38.45	Pass
		Outer_Full	23.61	/	/	18.46	/	/	<=38.45	Pass
		Inner_Full	23.63	/	/	18.48	/	/	<=38.45	Pass
		Inner_1RB_Left	23.56	/	/	18.41	/	/	<=38.45	Pass
		Inner_1RB_Right	23.73	/	/	18.58	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge_1RB_Left	22.58	/	/	17.43	/	/	<=38.45	Pass
		Edge_1RB_Right	22.72	/	/	17.57	/	/	<=38.45	Pass
		Outer_Full	22.54	/	/	17.39	/	/	<=38.45	Pass
		Inner_Full	23.54	/	/	18.39	/	/	<=38.45	Pass
		Inner_1RB_Left	23.54	/	/	18.39	/	/	<=38.45	Pass
		Inner_1RB_Right	23.62	/	/	18.47	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.62	/	/	17.47	/	/	<=38.45	Pass
		Edge_1RB_Right	22.72	/	/	17.57	/	/	<=38.45	Pass
		Outer_Full	22.64	/	/	17.49	/	/	<=38.45	Pass
		Inner_Full	23.60	/	/	18.45	/	/	<=38.45	Pass
		Inner_1RB_Left	23.55	/	/	18.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.62	/	/	18.47	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.52	/	/	17.37	/	/	<=38.45	Pass
		Edge_1RB_Right	22.68	/	/	17.53	/	/	<=38.45	Pass
		Outer_Full	22.58	/	/	17.43	/	/	<=38.45	Pass
		Inner_Full	23.58	/	/	18.43	/	/	<=38.45	Pass
		Inner_1RB_Left	23.54	/	/	18.39	/	/	<=38.45	Pass
		Inner_1RB_Right	23.64	/	/	18.49	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Edge_1RB_Left	22.12	/	/	16.97	/	/	<=38.45	Pass
		Edge_1RB_Right	22.28	/	/	17.13	/	/	<=38.45	Pass
		Outer_Full	21.98	/	/	16.83	/	/	<=38.45	Pass
		Inner_Full	22.06	/	/	16.91	/	/	<=38.45	Pass
		Inner_1RB_Left	22.12	/	/	16.97	/	/	<=38.45	Pass
		Inner_1RB_Right	22.31	/	/	17.16	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.08	/	/	16.93	/	/	<=38.45	Pass
		Edge_1RB_Right	22.20	/	/	17.05	/	/	<=38.45	Pass
		Outer_Full	22.02	/	/	16.87	/	/	<=38.45	Pass
		Inner_Full	22.09	/	/	16.94	/	/	<=38.45	Pass
		Inner_1RB_Left	22.21	/	/	17.06	/	/	<=38.45	Pass
		Inner_1RB_Right	22.26	/	/	17.11	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.96	/	/	16.81	/	/	<=38.45	Pass
		Edge_1RB_Right	22.21	/	/	17.06	/	/	<=38.45	Pass

		Outer_Full	22.06	/	/	16.91	/	/	<=38.45	Pass
		Inner_Full	22.20	/	/	17.05	/	/	<=38.45	Pass
		Inner_1RB_Left	22.09	/	/	16.94	/	/	<=38.45	Pass
		Inner_1RB_Right	22.19	/	/	17.04	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge_1RB_Left	19.70	/	/	14.55	/	/	<=38.45	Pass
		Edge_1RB_Right	19.88	/	/	14.73	/	/	<=38.45	Pass
		Outer_Full	20.01	/	/	14.86	/	/	<=38.45	Pass
		Inner_Full	19.93	/	/	14.78	/	/	<=38.45	Pass
		Inner_1RB_Left	19.70	/	/	14.55	/	/	<=38.45	Pass
		Inner_1RB_Right	19.91	/	/	14.76	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.74	/	/	14.59	/	/	<=38.45	Pass
		Edge_1RB_Right	19.86	/	/	14.71	/	/	<=38.45	Pass
		Outer_Full	20.06	/	/	14.91	/	/	<=38.45	Pass
		Inner_Full	20.06	/	/	14.91	/	/	<=38.45	Pass
		Inner_1RB_Left	19.79	/	/	14.64	/	/	<=38.45	Pass
		Inner_1RB_Right	19.79	/	/	14.64	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.68	/	/	14.53	/	/	<=38.45	Pass
		Edge_1RB_Right	19.85	/	/	14.70	/	/	<=38.45	Pass
		Outer_Full	20.12	/	/	14.97	/	/	<=38.45	Pass
		Inner_Full	20.08	/	/	14.93	/	/	<=38.45	Pass
		Inner_1RB_Left	19.66	/	/	14.51	/	/	<=38.45	Pass
		Inner_1RB_Right	19.84	/	/	14.69	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge_1RB_Left	21.42	/	/	16.27	/	/	<=38.45	Pass
		Edge_1RB_Right	21.61	/	/	16.46	/	/	<=38.45	Pass
		Outer_Full	21.54	/	/	16.39	/	/	<=38.45	Pass
		Inner_Full	22.88	/	/	17.73	/	/	<=38.45	Pass
		Inner_1RB_Left	22.93	/	/	17.78	/	/	<=38.45	Pass
		Inner_1RB_Right	23.09	/	/	17.94	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.51	/	/	16.36	/	/	<=38.45	Pass
		Edge_1RB_Right	21.61	/	/	16.46	/	/	<=38.45	Pass
		Outer_Full	21.56	/	/	16.41	/	/	<=38.45	Pass
		Inner_Full	23.09	/	/	17.94	/	/	<=38.45	Pass
		Inner_1RB_Left	22.98	/	/	17.83	/	/	<=38.45	Pass
		Inner_1RB_Right	23.14	/	/	17.99	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.41	/	/	16.26	/	/	<=38.45	Pass
		Edge_1RB_Right	21.49	/	/	16.34	/	/	<=38.45	Pass
		Outer_Full	21.62	/	/	16.47	/	/	<=38.45	Pass
		Inner_Full	23.13	/	/	17.98	/	/	<=38.45	Pass
		Inner_1RB_Left	22.93	/	/	17.78	/	/	<=38.45	Pass
		Inner_1RB_Right	23.05	/	/	17.90	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge_1RB_Left	21.31	/	/	16.16	/	/	<=38.45	Pass
		Edge_1RB_Right	21.49	/	/	16.34	/	/	<=38.45	Pass
		Outer_Full	21.54	/	/	16.39	/	/	<=38.45	Pass
		Inner_Full	22.83	/	/	17.68	/	/	<=38.45	Pass
		Inner_1RB_Left	22.41	/	/	17.26	/	/	<=38.45	Pass
		Inner_1RB_Right	22.73	/	/	17.58	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.42	/	/	16.27	/	/	<=38.45	Pass
		Edge_1RB_Right	21.51	/	/	16.36	/	/	<=38.45	Pass
		Outer_Full	21.85	/	/	16.70	/	/	<=38.45	Pass
		Inner_Full	22.65	/	/	17.50	/	/	<=38.45	Pass
		Inner_1RB_Left	22.45	/	/	17.30	/	/	<=38.45	Pass
		Inner_1RB_Right	22.81	/	/	17.66	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.40	/	/	16.25	/	/	<=38.45	Pass
		Edge_1RB_Right	21.65	/	/	16.50	/	/	<=38.45	Pass
		Outer_Full	21.61	/	/	16.46	/	/	<=38.45	Pass
		Inner_Full	22.73	/	/	17.58	/	/	<=38.45	Pass
		Inner_1RB_Left	22.38	/	/	17.23	/	/	<=38.45	Pass
		Inner_1RB_Right	22.54	/	/	17.39	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge_1RB_Left	21.01	/	/	15.86	/	/	<=38.45	Pass

		Edge_1RB_Right	21.15	/	/	16.00	/	/	<=38.45	Pass
		Outer_Full	21.07	/	/	15.92	/	/	<=38.45	Pass
		Inner_Full	21.00	/	/	15.85	/	/	<=38.45	Pass
		Inner_1RB_Left	21.03	/	/	15.88	/	/	<=38.45	Pass
		Inner_1RB_Right	21.17	/	/	16.02	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.07	/	/	15.92	/	/	<=38.45	Pass
		Edge_1RB_Right	21.08	/	/	15.93	/	/	<=38.45	Pass
		Outer_Full	21.04	/	/	15.89	/	/	<=38.45	Pass
		Inner_Full	21.11	/	/	15.96	/	/	<=38.45	Pass
		Inner_1RB_Left	21.06	/	/	15.91	/	/	<=38.45	Pass
	839	Inner_1RB_Right	21.18	/	/	16.03	/	/	<=38.45	Pass
		Edge_1RB_Left	21.02	/	/	15.87	/	/	<=38.45	Pass
		Edge_1RB_Right	21.04	/	/	15.89	/	/	<=38.45	Pass
		Outer_Full	21.14	/	/	15.99	/	/	<=38.45	Pass
		Inner_Full	21.13	/	/	15.98	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Inner_1RB_Left	21.06	/	/	15.91	/	/	<=38.45	Pass
		Inner_1RB_Right	21.14	/	/	15.99	/	/	<=38.45	Pass
		Edge_1RB_Left	17.68	/	/	12.53	/	/	<=38.45	Pass
		Edge_1RB_Right	17.86	/	/	12.71	/	/	<=38.45	Pass
		Outer_Full	18.06	/	/	12.91	/	/	<=38.45	Pass
	836.5	Inner_Full	17.95	/	/	12.80	/	/	<=38.45	Pass
		Inner_1RB_Left	17.70	/	/	12.55	/	/	<=38.45	Pass
		Inner_1RB_Right	17.91	/	/	12.76	/	/	<=38.45	Pass
		Edge_1RB_Left	17.74	/	/	12.59	/	/	<=38.45	Pass
		Edge_1RB_Right	17.86	/	/	12.71	/	/	<=38.45	Pass
	839	Outer_Full	18.08	/	/	12.93	/	/	<=38.45	Pass
		Inner_Full	18.05	/	/	12.90	/	/	<=38.45	Pass
		Inner_1RB_Left	17.76	/	/	12.61	/	/	<=38.45	Pass
		Inner_1RB_Right	17.78	/	/	12.63	/	/	<=38.45	Pass
		Edge_1RB_Left	17.63	/	/	12.48	/	/	<=38.45	Pass
	Edge_1RB_Right	17.90	/	/	12.75	/	/	<=38.45	Pass	
	Outer_Full	18.09	/	/	12.94	/	/	<=38.45	Pass	
	Inner_Full	18.08	/	/	12.93	/	/	<=38.45	Pass	
	Inner_1RB_Left	17.65	/	/	12.50	/	/	<=38.45	Pass	
	Inner_1RB_Right	17.87	/	/	12.72	/	/	<=38.45	Pass	
Note1: Antenna Gain: Ant1: -3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_20MHz

5G NR n5 SCS=15kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Outer_Full	20	LV	-6.90	-0.0082	>=-2.5 & <=2.5	Pass
				HV	-11.40	-0.0136	>=-2.5 & <=2.5	Pass
			-30	NV	-13.40	-0.0160	>=-2.5 & <=2.5	Pass
				NV	-10.40	-0.0124	>=-2.5 & <=2.5	Pass
			-10	NV	-12.60	-0.0151	>=-2.5 & <=2.5	Pass
				NV	-10.20	-0.0122	>=-2.5 & <=2.5	Pass
			10	NV	-13.40	-0.0160	>=-2.5 & <=2.5	Pass
				NV	-11.00	-0.0132	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0103	>=-2.5 & <=2.5	Pass

			40	NV	-7.70	-0.0092	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-11.10	-0.0133	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-5.90	-0.0071	≥ -2.5 & ≤ 2.5	Pass
				HV	-13.50	-0.0161	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.10	-0.0073	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-9.20	-0.0110	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.60	-0.0115	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-12.40	-0.0148	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-11.00	-0.0132	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.30	-0.0087	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.70	-0.0116	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-10.90	-0.0130	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.70	-0.0092	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-8.00	-0.0096	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.30	-0.0099	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-8.90	-0.0106	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.80	-0.0081	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.50	-0.0102	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-11.50	-0.0137	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.50	-0.0102	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.90	-0.0094	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.60	-0.0115	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.90	-0.0106	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-7.40	-0.0088	≥ -2.5 & ≤ 2.5	Pass
				HV	-13.00	-0.0155	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-8.40	-0.0100	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-9.30	-0.0111	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.80	-0.0093	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-11.40	-0.0136	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-9.90	-0.0118	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-9.60	-0.0115	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.80	-0.0129	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.20	-0.0086	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.40	-0.0100	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.10	-0.0073	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.70	-0.0068	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-7.60	-0.0091	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.80	-0.0069	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.60	0.0031	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.80	-0.0081	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.50	-0.0090	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.70	-0.0080	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.10	-0.0073	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.80	-0.0093	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.10	-0.0097	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.10	-0.0085	≥ -2.5 & ≤ 2.5	Pass

			-30	NV	-1.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	2.70	0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0059	>=-2.5 & <=2.5	Pass
			30	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			40	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			50	NV	-5.40	-0.0065	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
				HV	3.20	0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	3.50	0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0068	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	40	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			50	NV	2.30	0.0027	>=-2.5 & <=2.5	Pass
			20	LV	-3.90	-0.0047	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0062	>=-2.5 & <=2.5	Pass
			-20	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	826.5	Outer_Full	4.61	5.46	/	Pass
	836.5	Outer_Full	4.56	5.26	/	Pass
	846.5	Outer_Full	4.57	5.43	/	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	4.55	5.28	/	Pass
	836.5	Outer_Full	4.55	5.33	/	Pass
	846.5	Outer_Full	4.54	5.31	/	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	4.59	5.50	/	Pass
	836.5	Outer_Full	4.57	5.39	/	Pass
	846.5	Outer_Full	4.61	5.46	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.54	5.16	/	Pass
	836.5	Outer_Full	4.57	5.34	/	Pass
	846.5	Outer_Full	4.56	5.29	/	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	4.58	5.41	/	Pass
	836.5	Outer_Full	4.60	5.46	/	Pass
	846.5	Outer_Full	4.57	5.36	/	Pass

CP-OFDM QPSK	826.5	Outer_Full	4.56	5.30	/	Pass
	836.5	Outer_Full	4.53	5.38	/	Pass
	846.5	Outer_Full	4.55	5.29	/	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	4.59	5.43	/	Pass
	836.5	Outer_Full	4.61	5.52	/	Pass
	846.5	Outer_Full	4.56	5.34	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.55	5.36	/	Pass
	836.5	Outer_Full	4.52	5.24	/	Pass
	846.5	Outer_Full	4.53	5.29	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.56	5.39	/	Pass
	836.5	Outer_Full	4.57	5.36	/	Pass
	846.5	Outer_Full	4.55	5.38	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	829	Outer_Full	9.03	9.92	/	Pass
	836.5	Outer_Full	9.02	9.93	/	Pass
	844	Outer_Full	9.01	9.96	/	Pass
DFT-s-OFDM QPSK	829	Outer_Full	9.07	10.05	/	Pass
	836.5	Outer_Full	9.06	10.11	/	Pass
	844	Outer_Full	9.04	10.10	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.04	10.04	/	Pass
	836.5	Outer_Full	9.04	9.94	/	Pass
	844	Outer_Full	9.03	10.03	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	9.06	10.01	/	Pass
	836.5	Outer_Full	9.05	10.01	/	Pass
	844	Outer_Full	9.05	9.98	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.04	9.96	/	Pass
	836.5	Outer_Full	9.03	9.92	/	Pass
	844	Outer_Full	9.03	9.93	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.43	10.43	/	Pass
	836.5	Outer_Full	9.40	10.39	/	Pass
	844	Outer_Full	9.37	10.36	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	9.41	10.52	/	Pass
	836.5	Outer_Full	9.40	10.52	/	Pass
	844	Outer_Full	9.40	10.39	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	9.39	10.40	/	Pass
	836.5	Outer_Full	9.35	10.33	/	Pass
	844	Outer_Full	9.32	10.23	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	9.38	10.43	/	Pass
	836.5	Outer_Full	9.36	10.41	/	Pass
	844	Outer_Full	9.36	10.39	/	Pass

3.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	831.5	Outer_Full	13.57	14.80	/	Pass
	836.5	Outer_Full	13.57	14.82	/	Pass
	841.5	Outer_Full	13.56	14.81	/	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	13.66	14.96	/	Pass
	836.5	Outer_Full	13.63	14.87	/	Pass

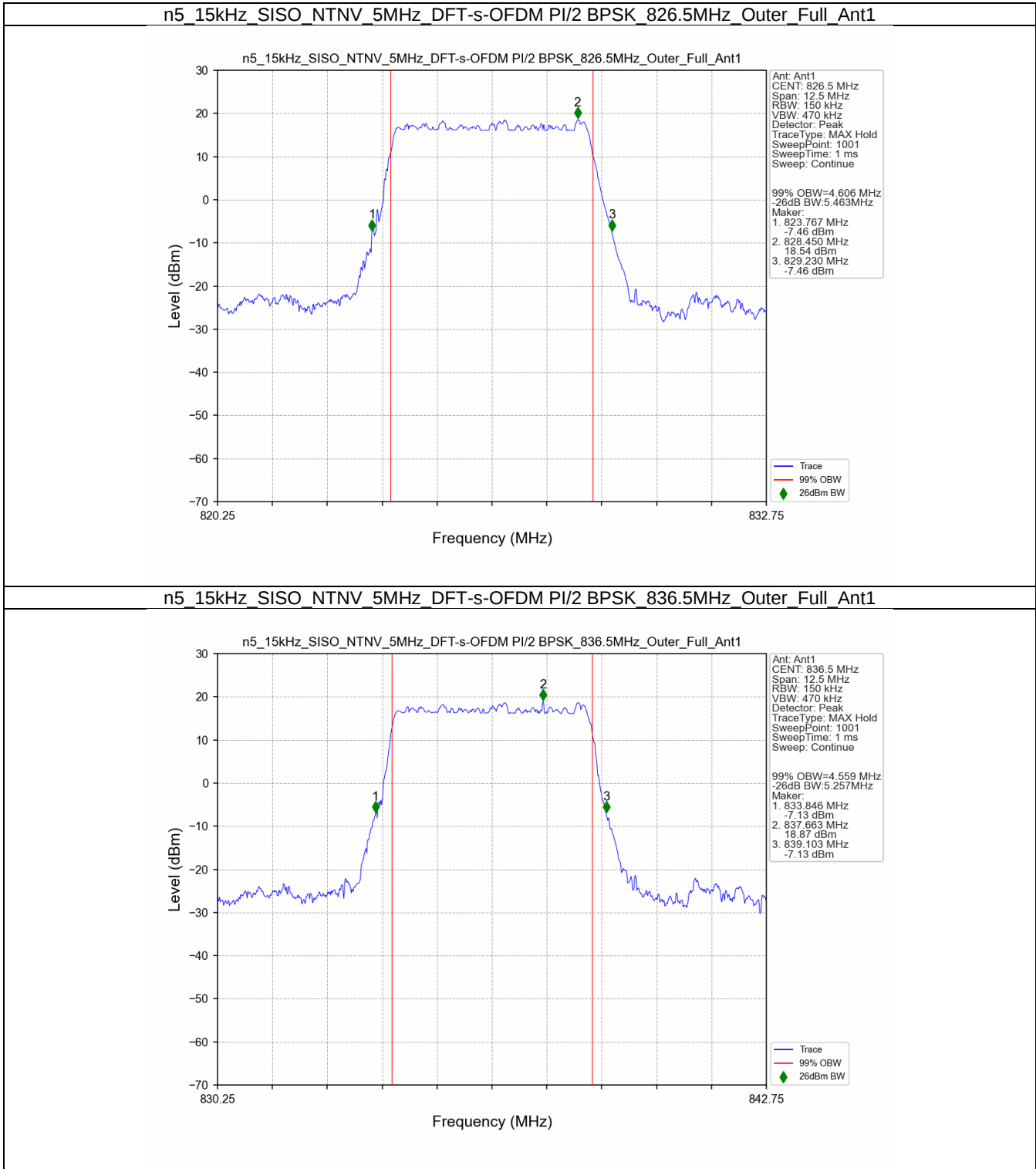
	841.5	Outer_Full	13.63	14.88	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.63	14.80	/	Pass
	836.5	Outer_Full	13.62	14.82	/	Pass
	841.5	Outer_Full	13.62	14.83	/	Pass
	831.5	Outer_Full	13.55	14.83	/	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	13.55	14.79	/	Pass
	841.5	Outer_Full	13.55	14.83	/	Pass
	831.5	Outer_Full	13.61	14.85	/	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	13.62	14.78	/	Pass
	841.5	Outer_Full	13.59	14.68	/	Pass
	831.5	Outer_Full	14.30	15.54	/	Pass
CP-OFDM QPSK	836.5	Outer_Full	14.29	15.59	/	Pass
	841.5	Outer_Full	14.28	15.54	/	Pass
	831.5	Outer_Full	14.28	15.77	/	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	14.28	15.89	/	Pass
	841.5	Outer_Full	14.26	16.11	/	Pass
	831.5	Outer_Full	14.29	16.50	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	14.27	15.94	/	Pass
	841.5	Outer_Full	14.24	16.21	/	Pass
	831.5	Outer_Full	14.27	15.54	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	14.24	15.53	/	Pass
	841.5	Outer_Full	14.25	15.49	/	Pass

3.1.4 15k_SISO_20MHz_NTNV

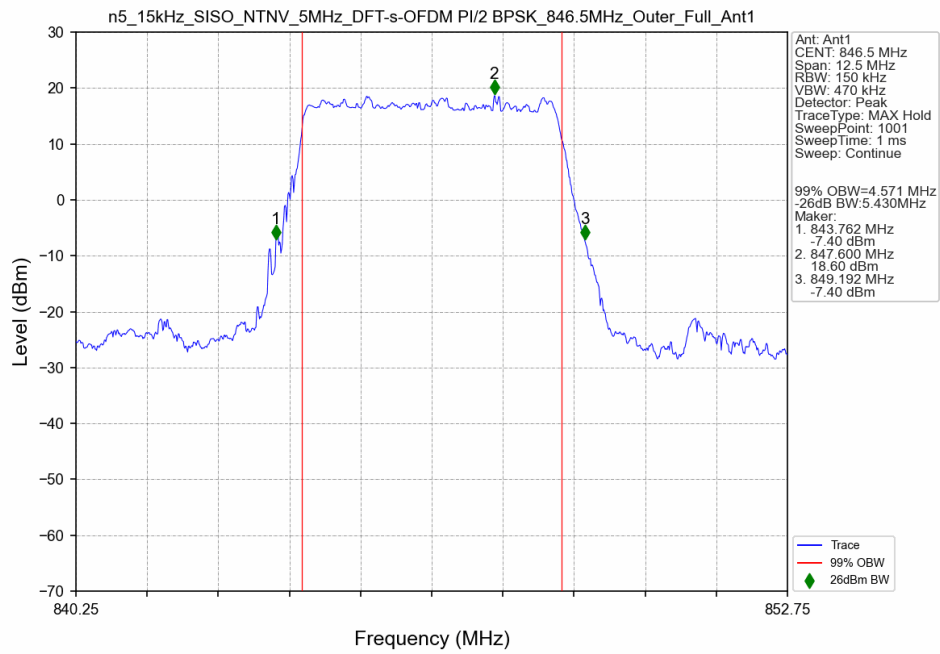
5G NR n5 SCS=15kHz SISO 20MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	18.07	19.45	/	Pass
	836.5	Outer_Full	18.03	19.38	/	Pass
	839	Outer_Full	18.03	19.42	/	Pass
DFT-s-OFDM QPSK	834	Outer_Full	18.01	19.60	/	Pass
	836.5	Outer_Full	18.00	19.62	/	Pass
	839	Outer_Full	18.00	19.57	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.06	19.53	/	Pass
	836.5	Outer_Full	18.03	19.46	/	Pass
	839	Outer_Full	18.04	19.56	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.11	19.56	/	Pass
	836.5	Outer_Full	18.11	19.52	/	Pass
	839	Outer_Full	18.04	19.53	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.01	19.59	/	Pass
	836.5	Outer_Full	18.02	19.63	/	Pass
	839	Outer_Full	17.97	19.51	/	Pass
CP-OFDM QPSK	834	Outer_Full	19.06	20.65	/	Pass
	836.5	Outer_Full	19.05	20.64	/	Pass
	839	Outer_Full	18.99	20.50	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	19.18	20.62	/	Pass
	836.5	Outer_Full	19.15	20.69	/	Pass
	839	Outer_Full	19.13	20.63	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	19.07	20.55	/	Pass
	836.5	Outer_Full	19.11	20.53	/	Pass
	839	Outer_Full	19.04	20.50	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	19.10	20.63	/	Pass
	836.5	Outer_Full	19.09	20.58	/	Pass
	839	Outer_Full	19.05	20.66	/	Pass

3.2 Test Graph

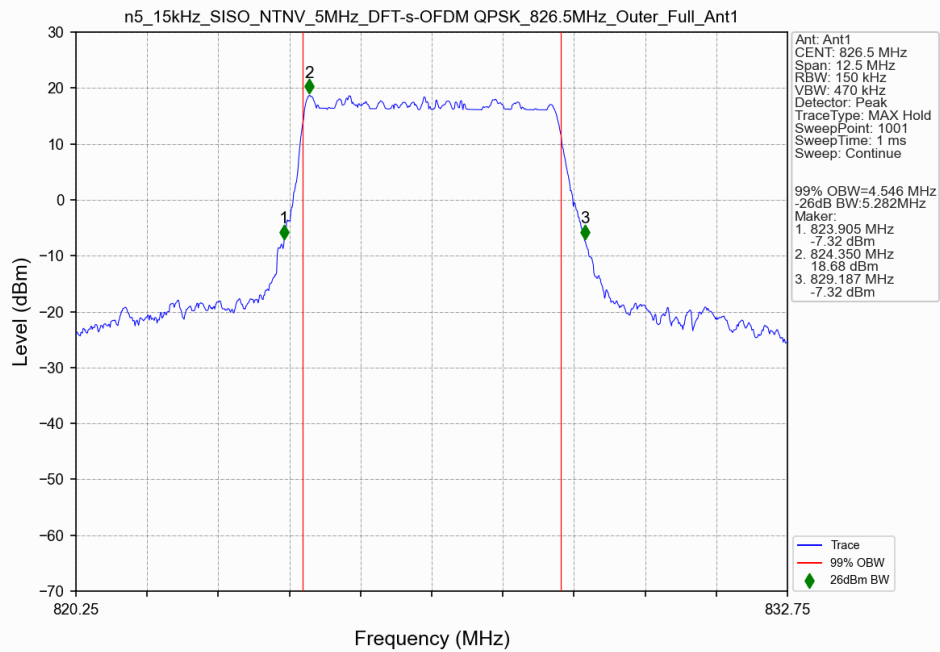
3.2.1 15k_SISO_5MHz_NTNV



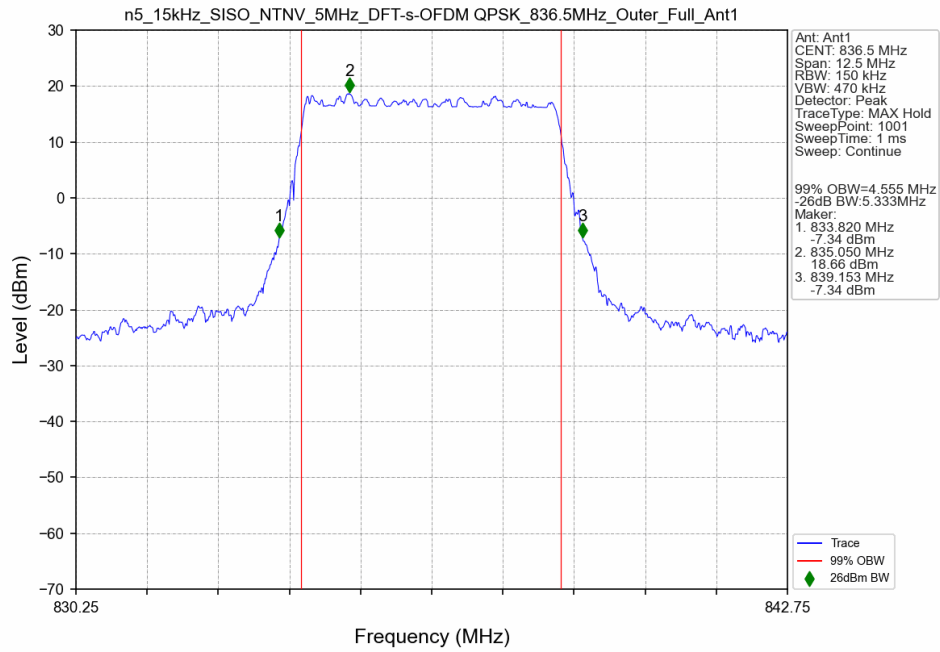
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_846.5MHz_Outer_Full_Ant1



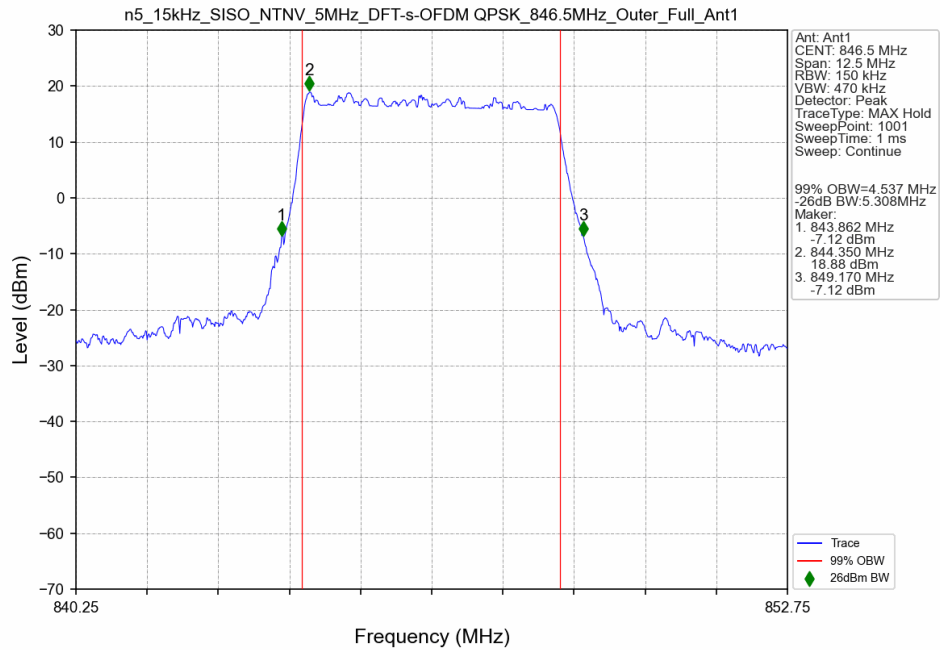
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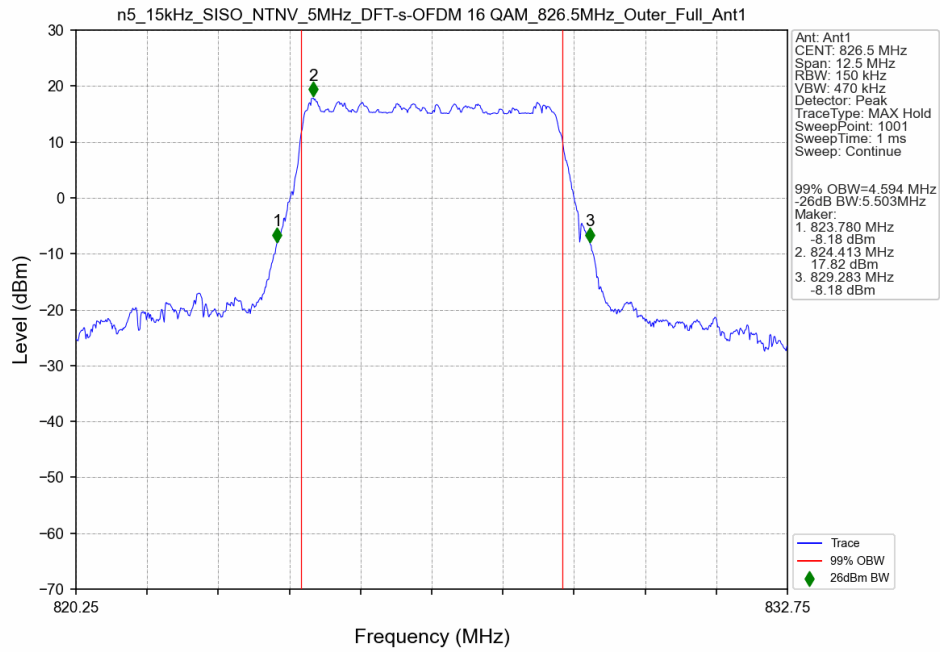
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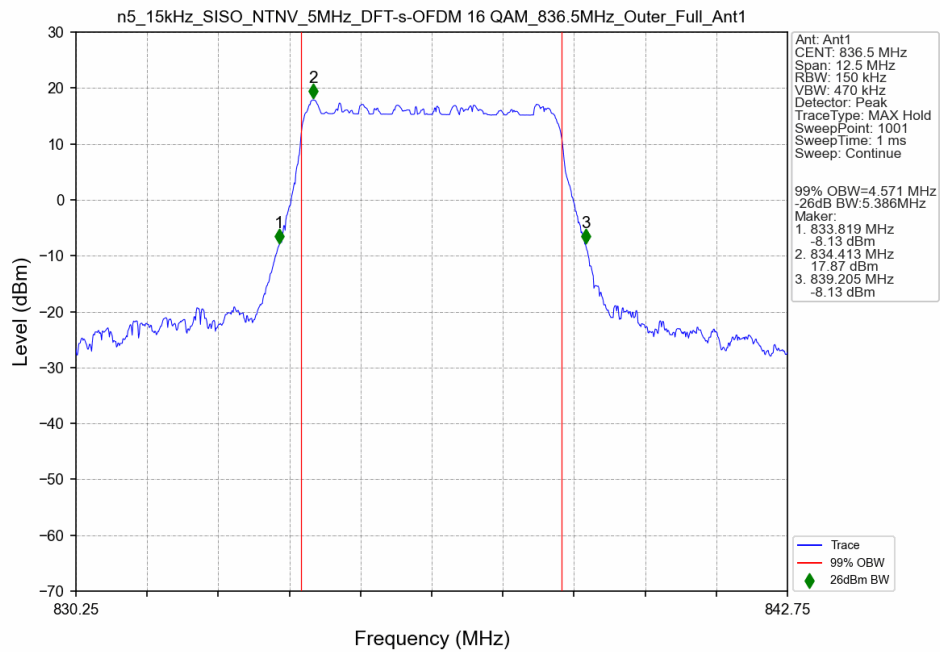
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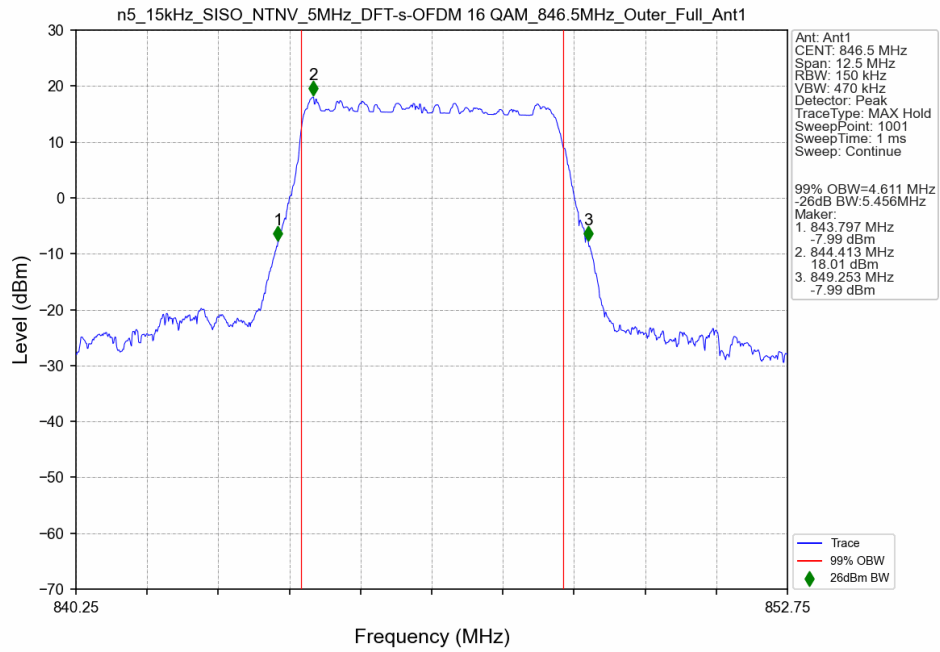
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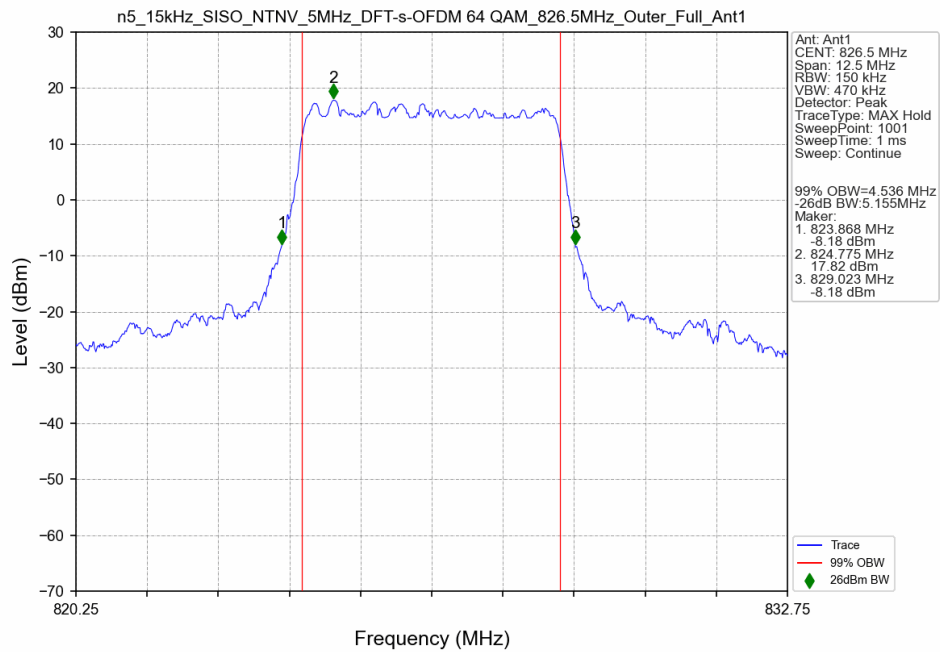
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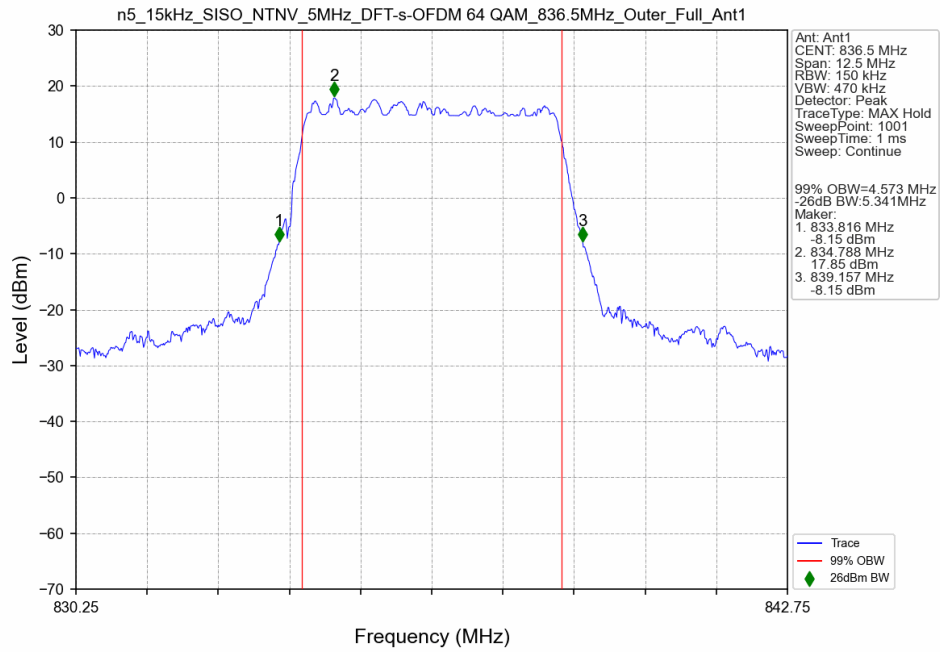
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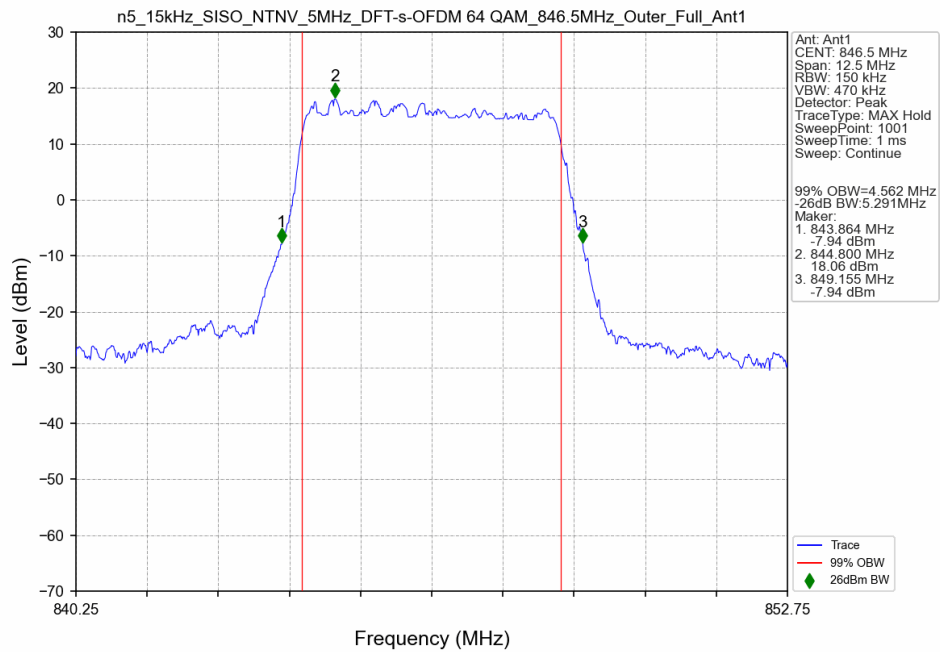
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



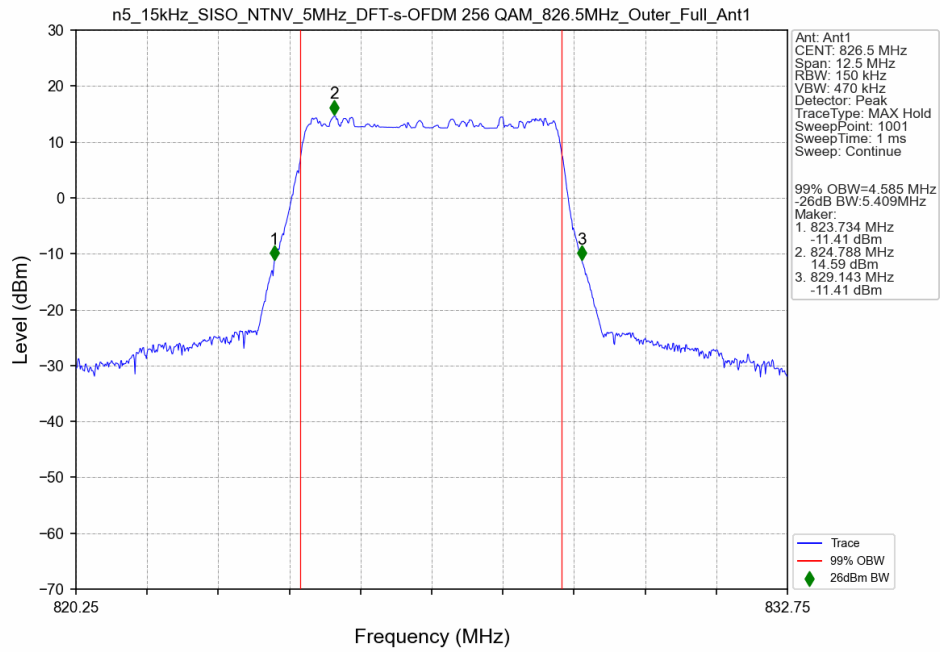
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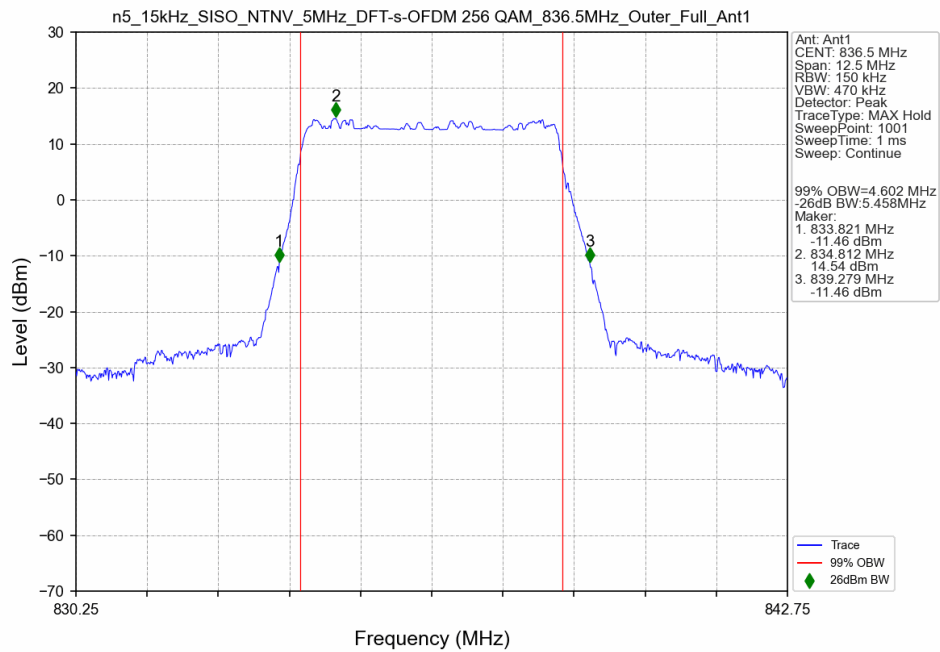
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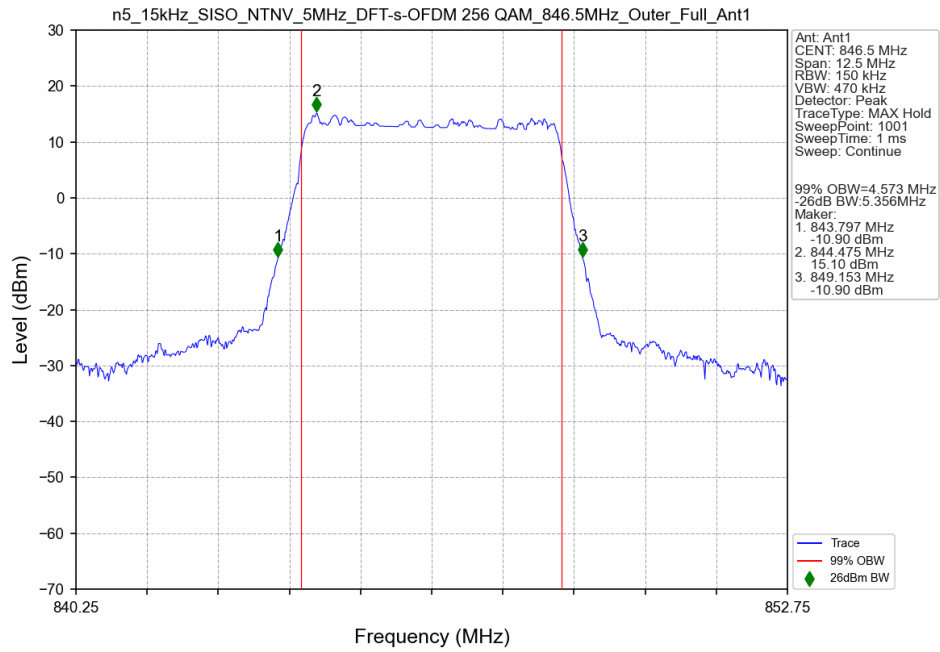
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 826.5MHz Outer Full Ant1



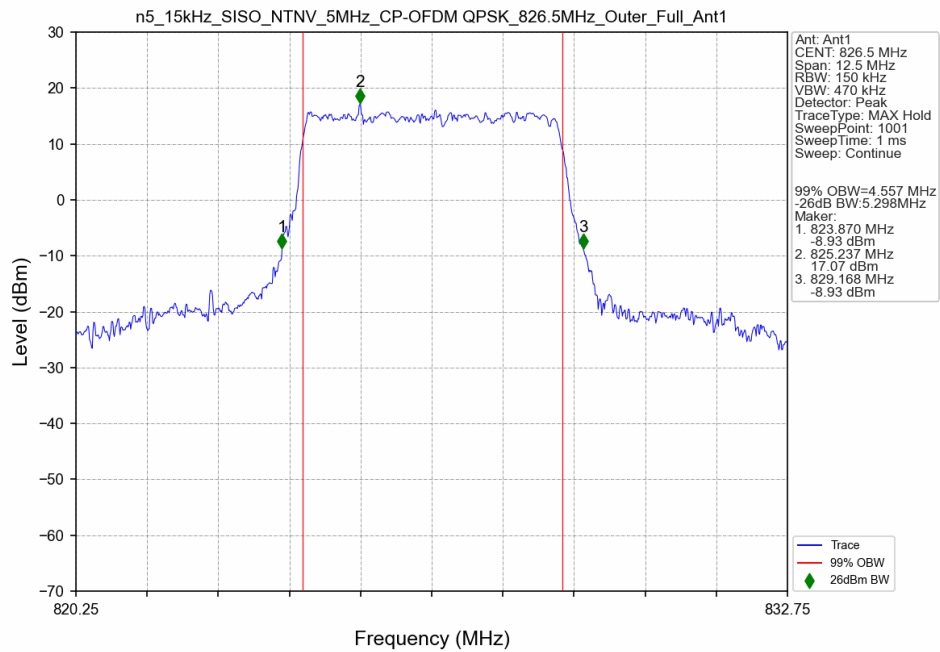
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



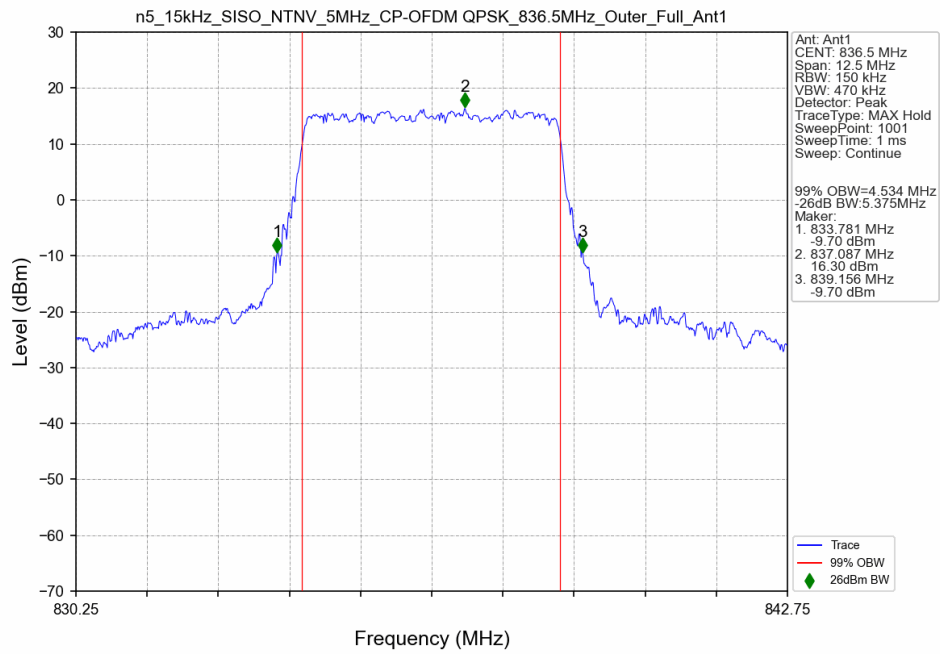
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_846.5MHz_Outer_Full_Ant1



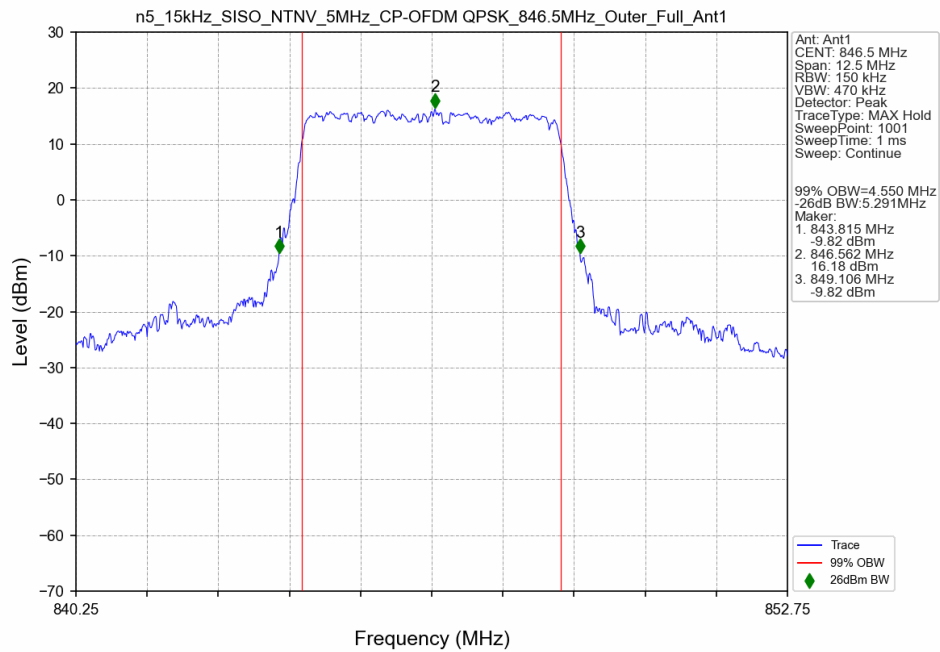
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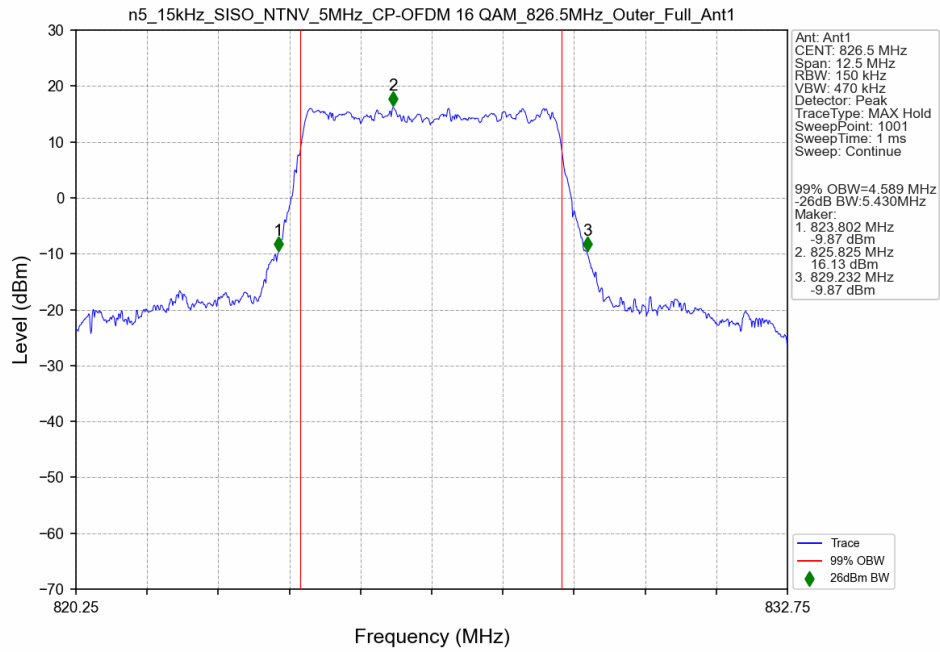
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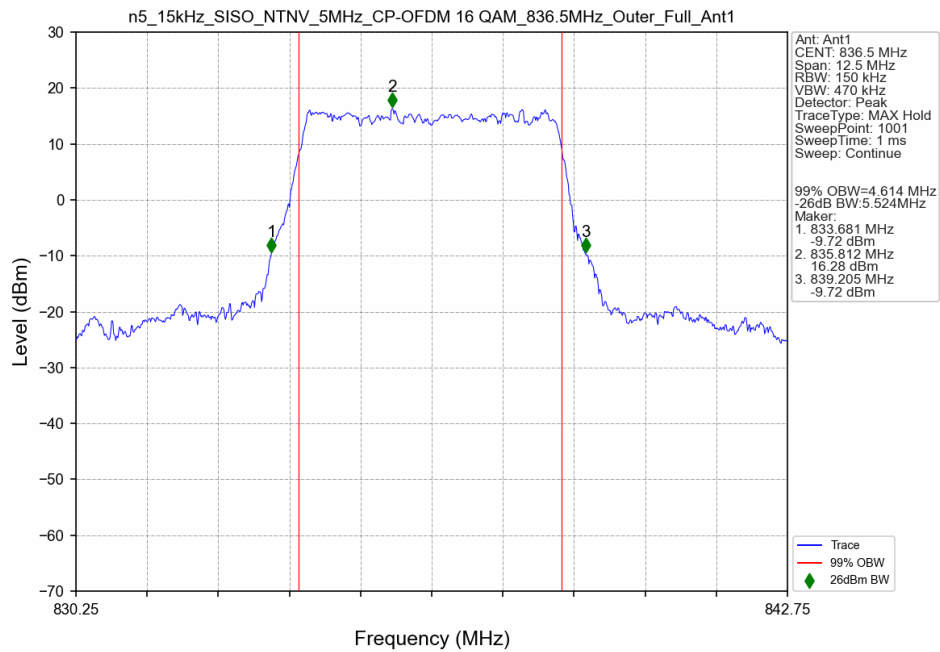
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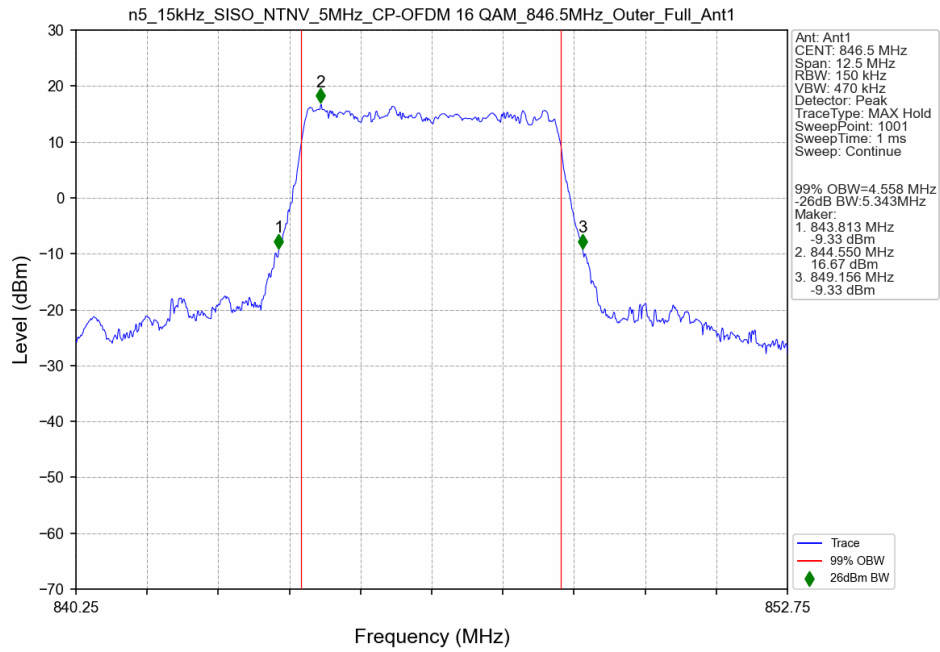
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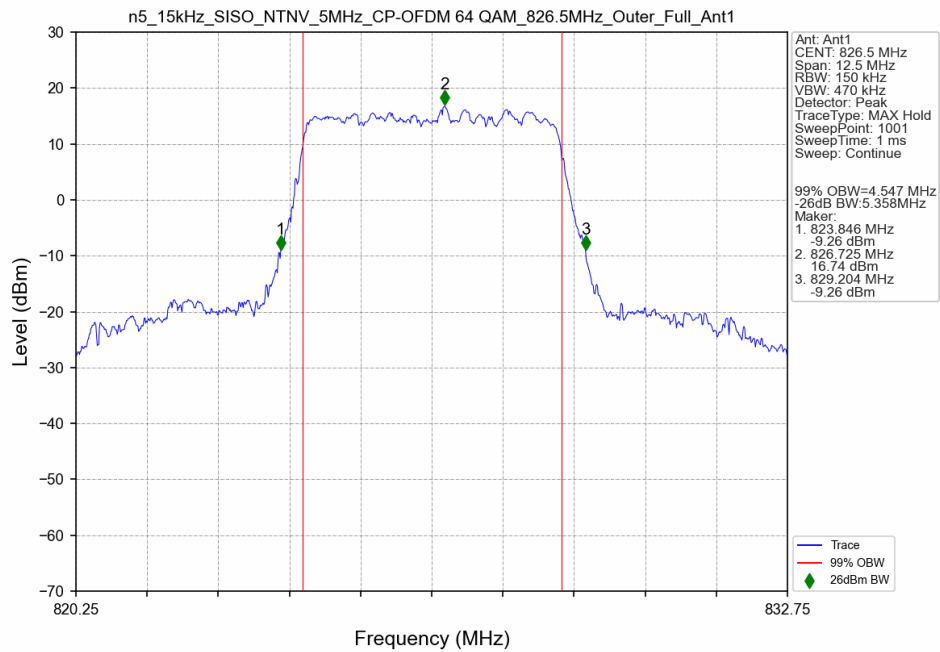
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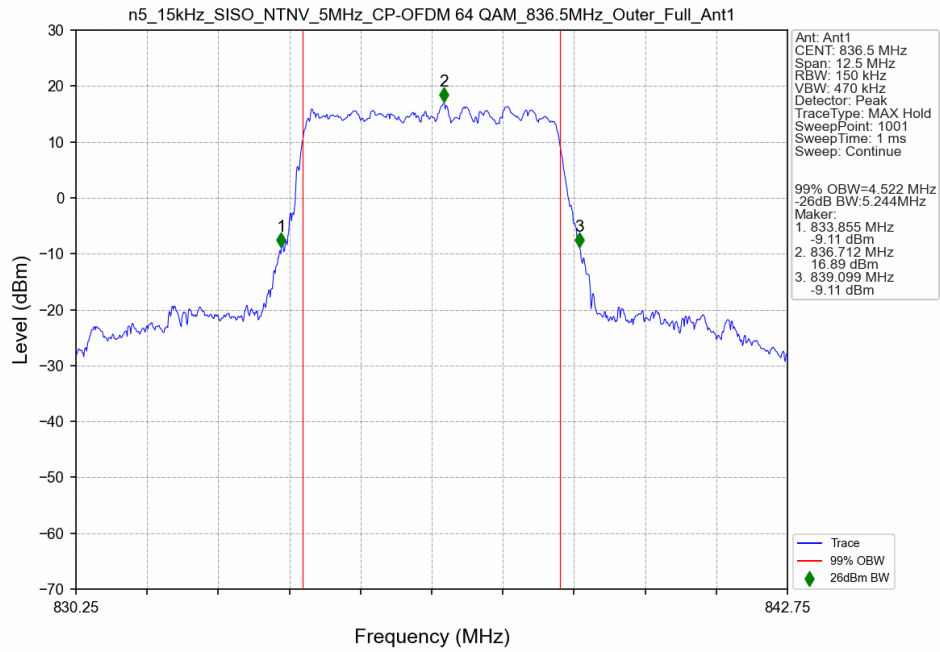
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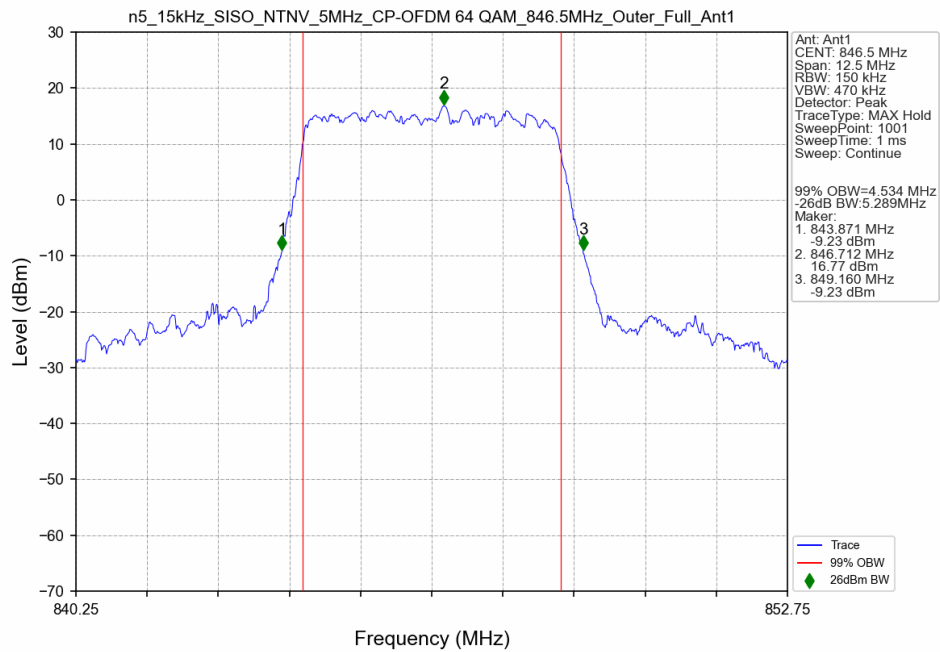
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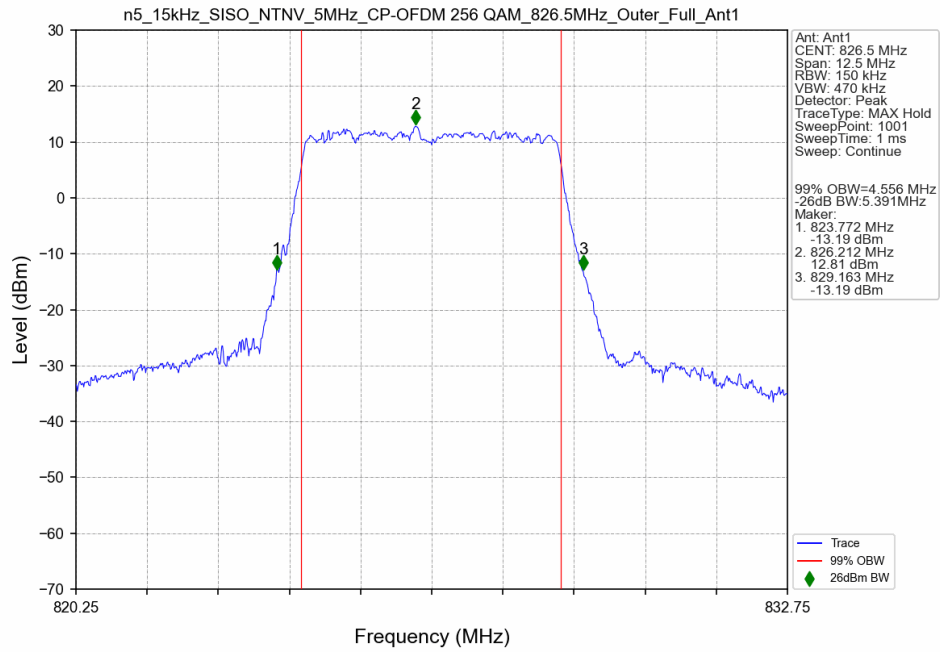
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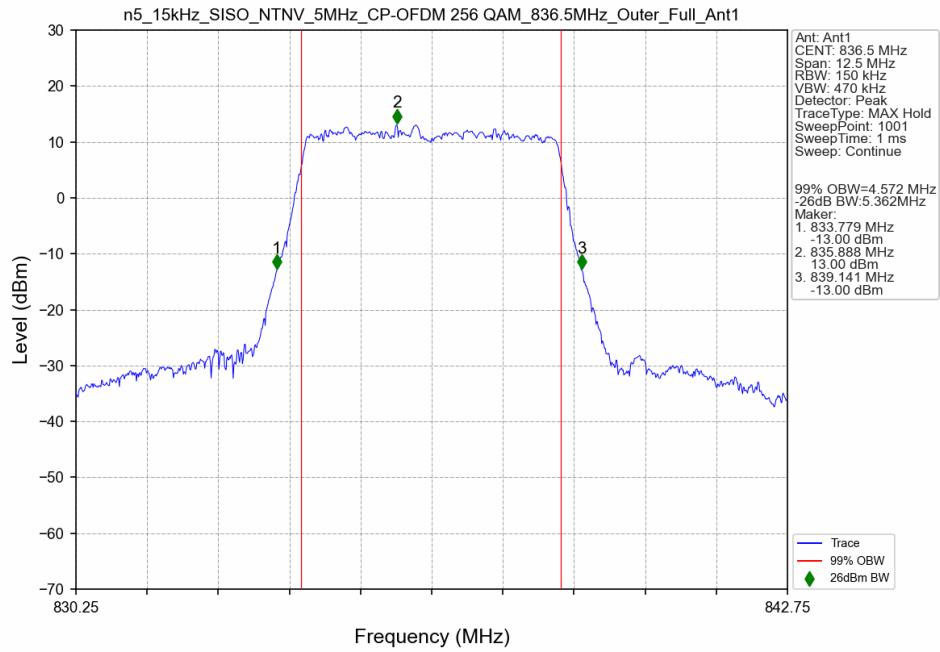
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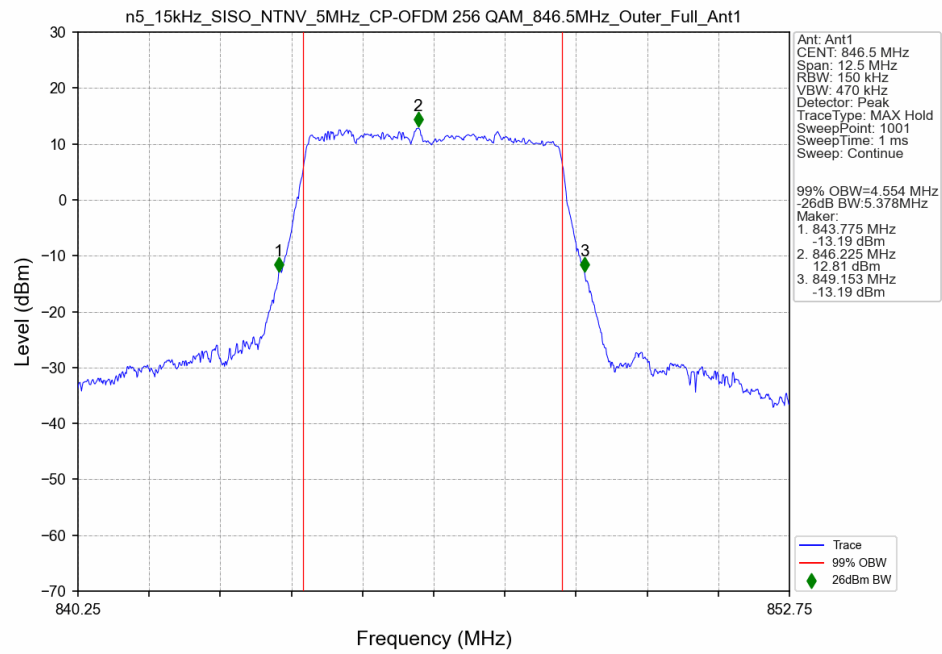
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_826.5MHz_Outer_Full_Ant1



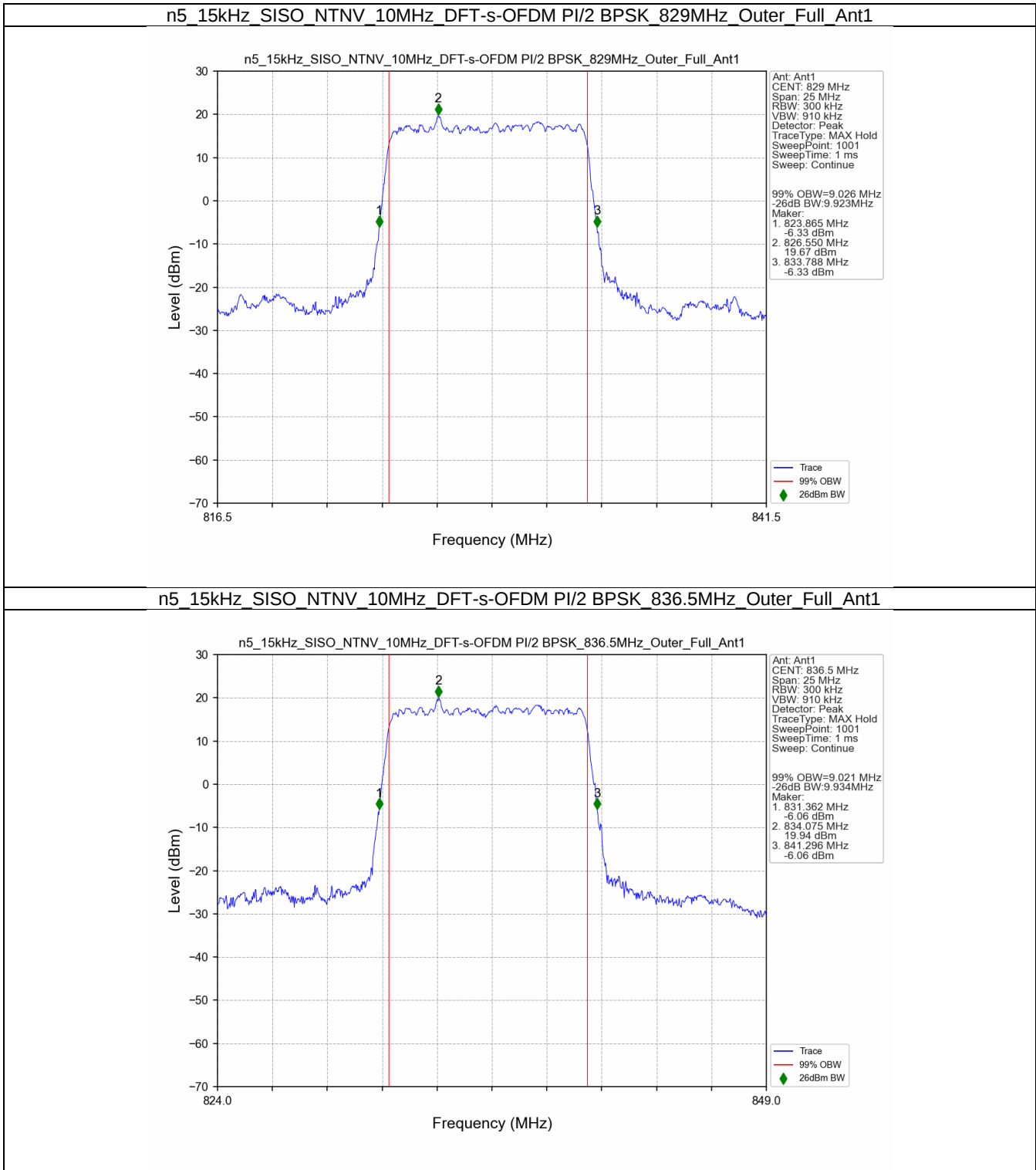
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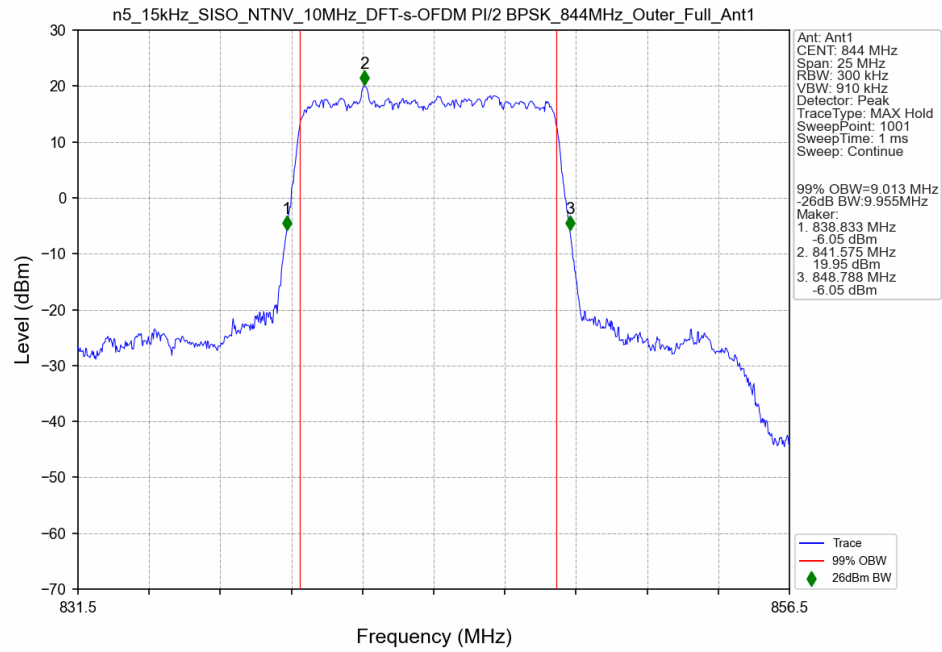
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_846.5MHz_Outer_Full_Ant1



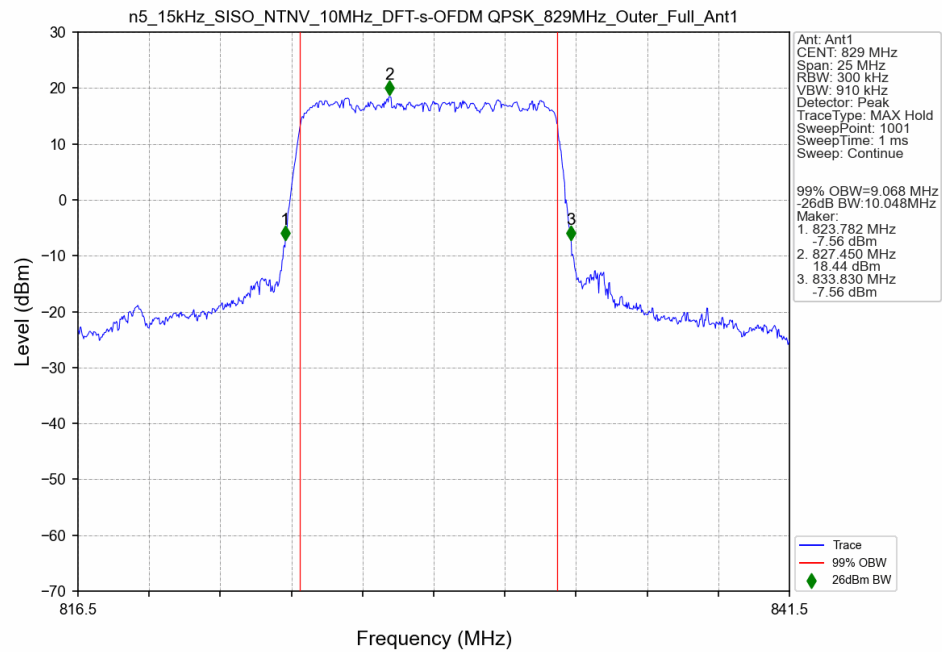
3.2.2 15k_SISO_10MHz_NTNV



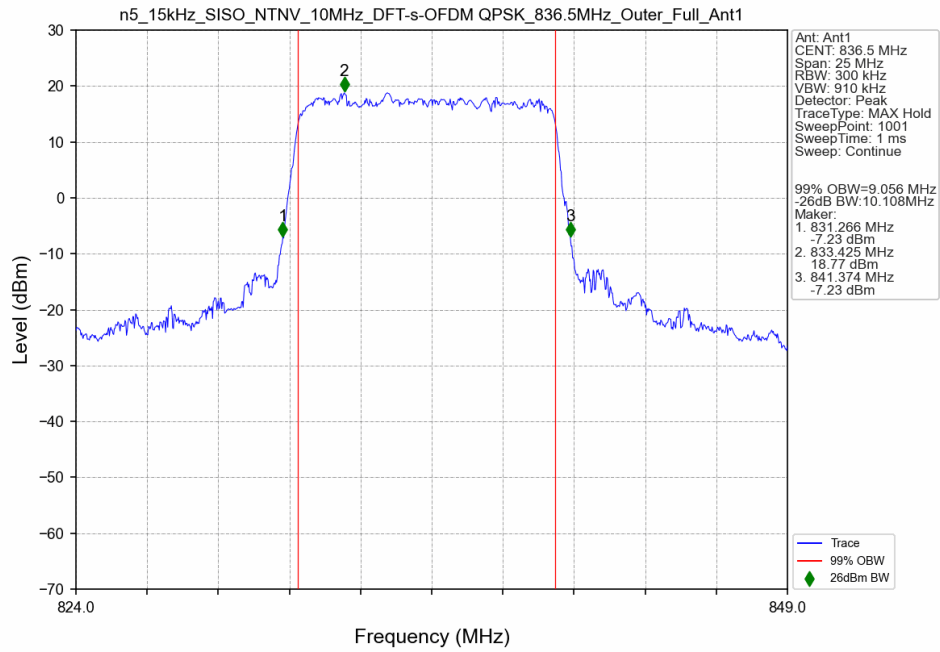
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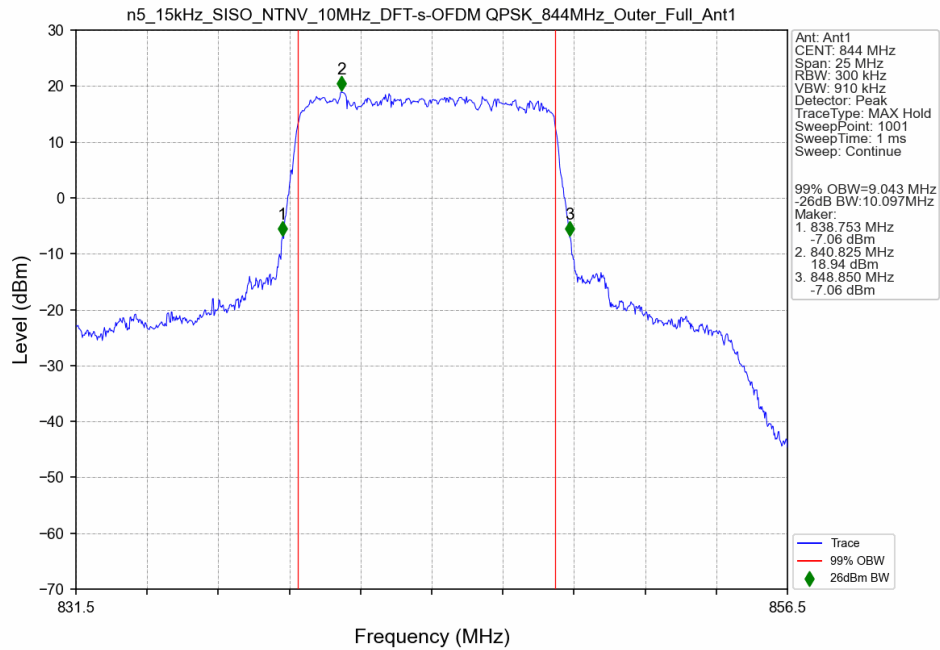
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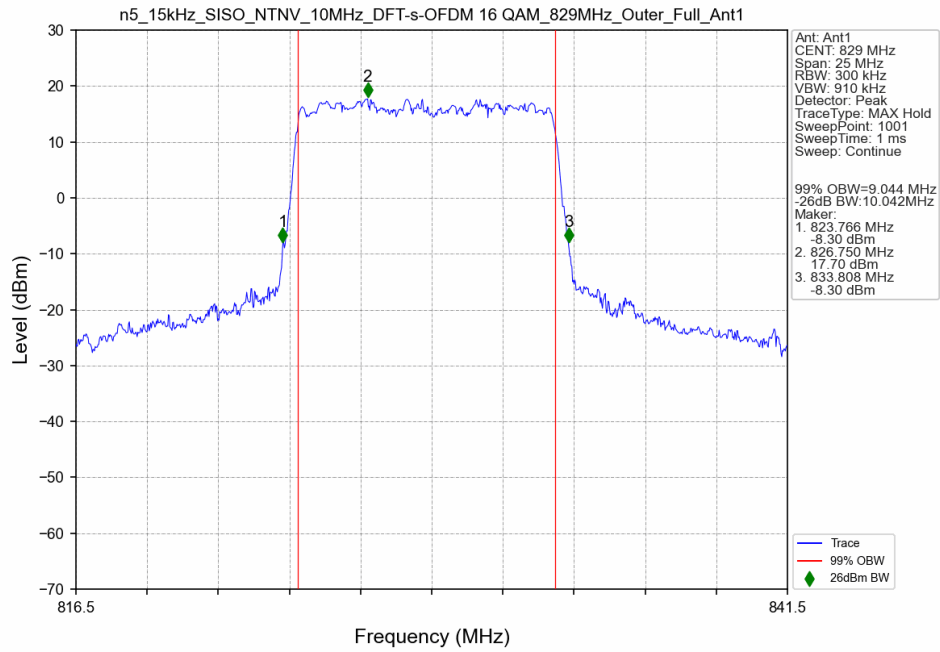
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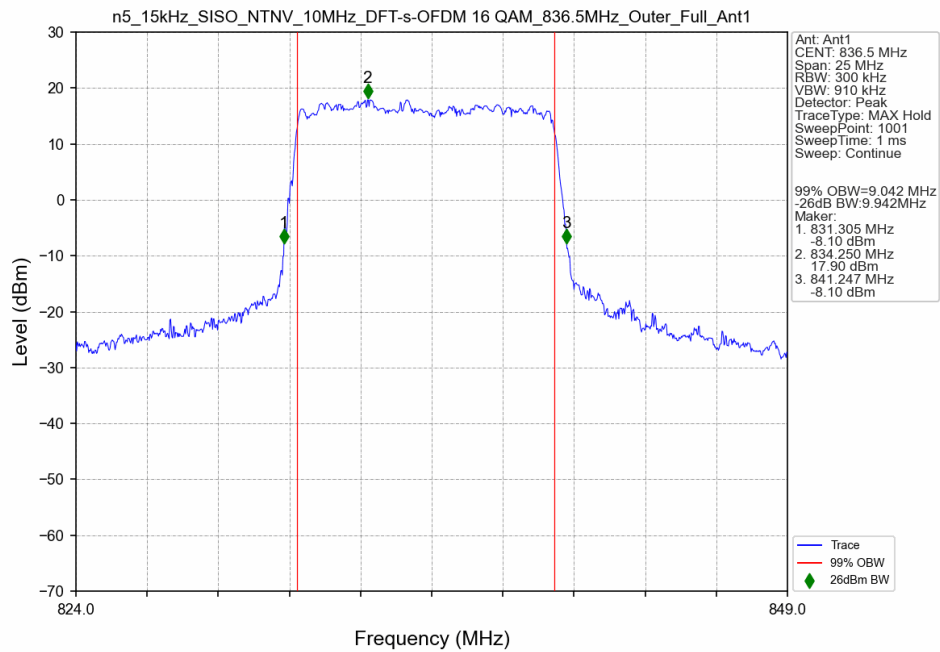
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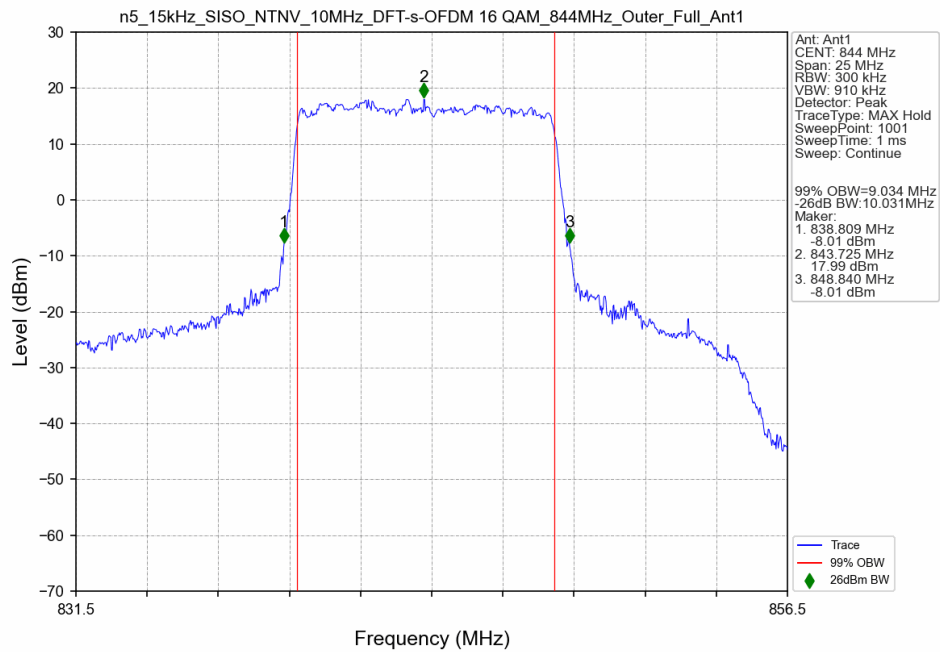
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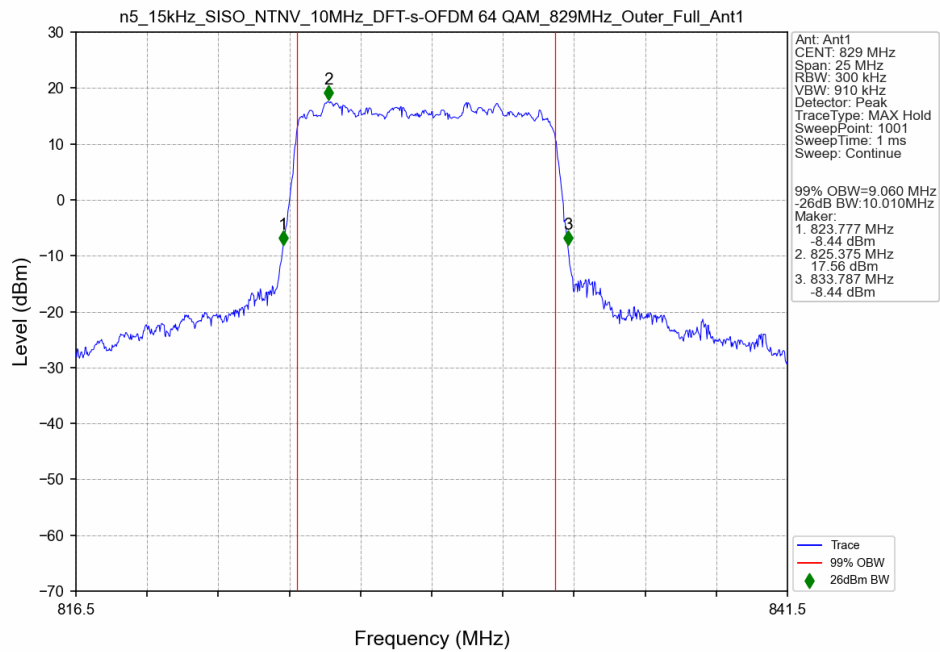
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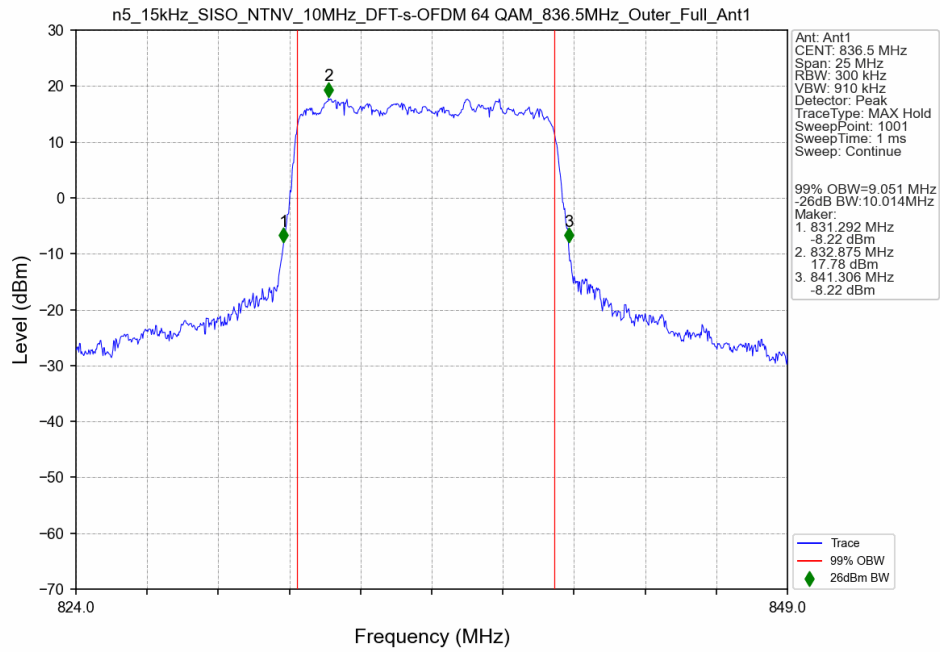
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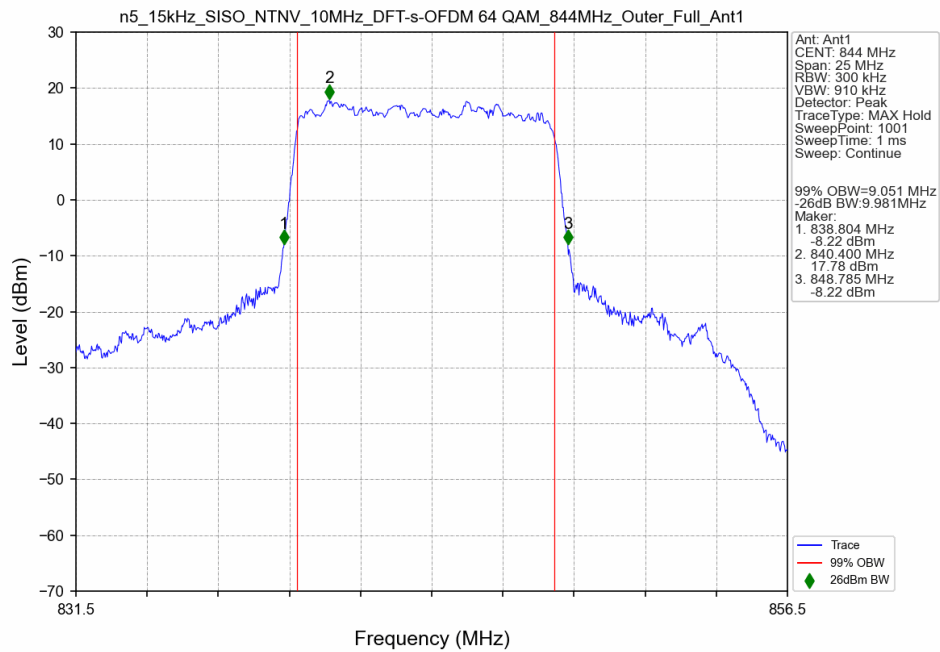
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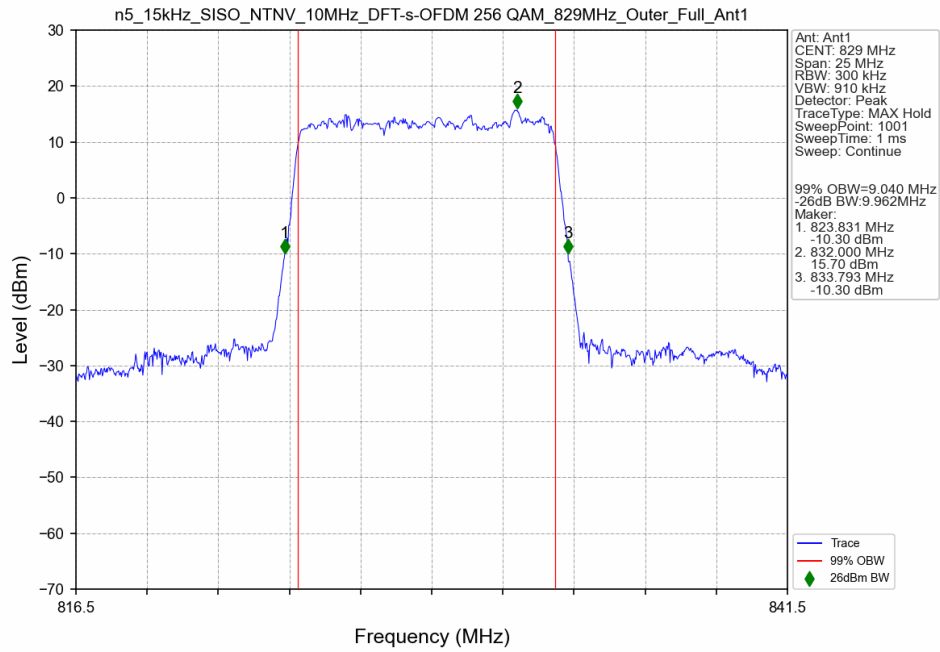
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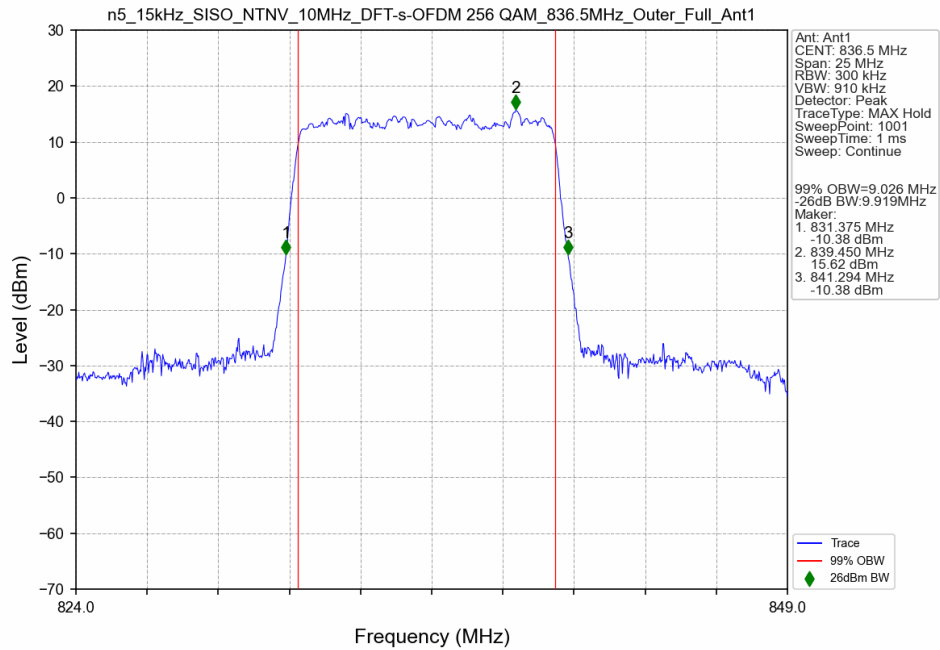
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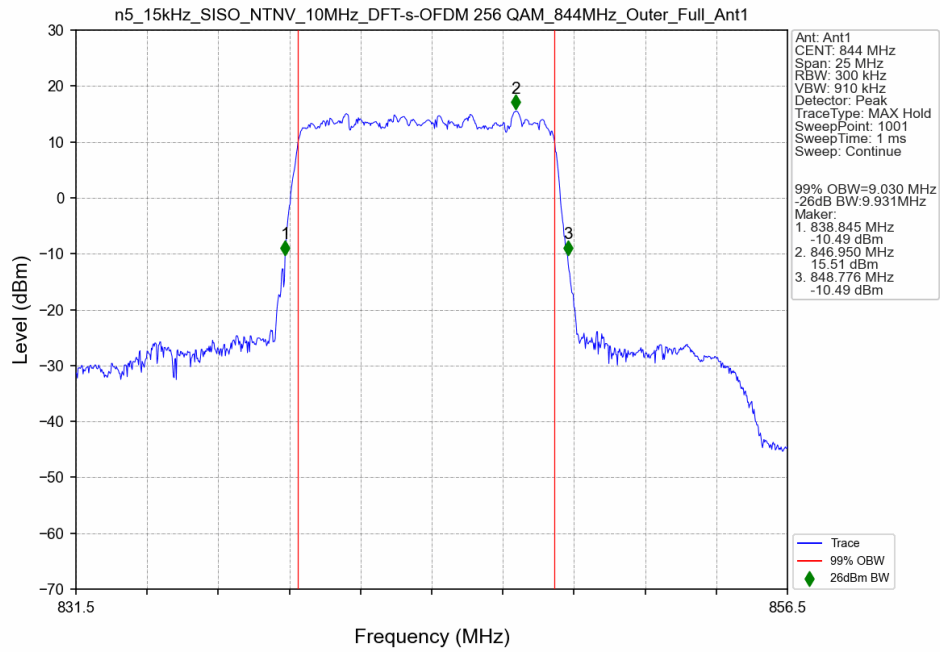
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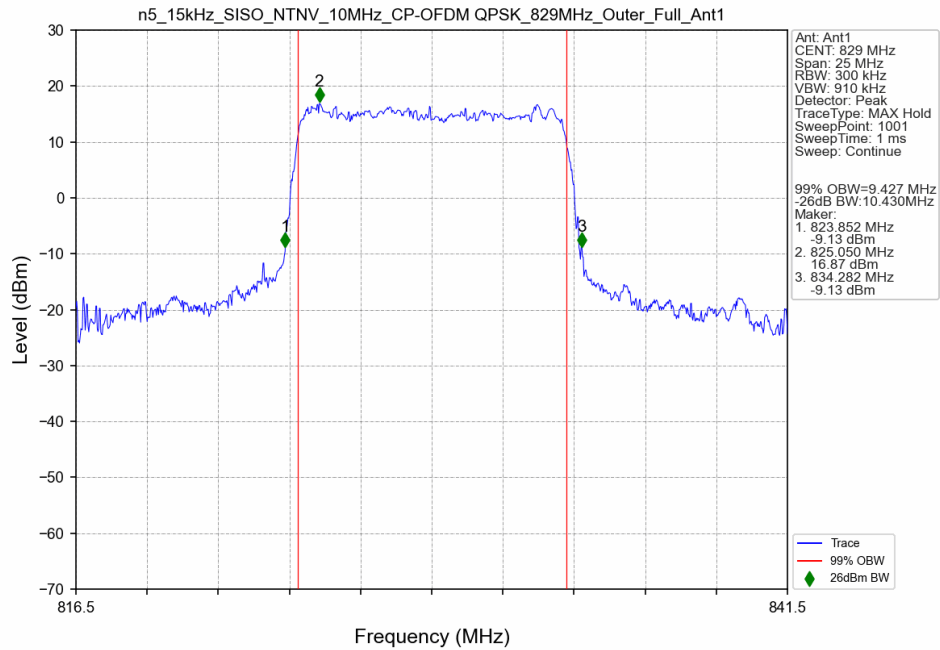
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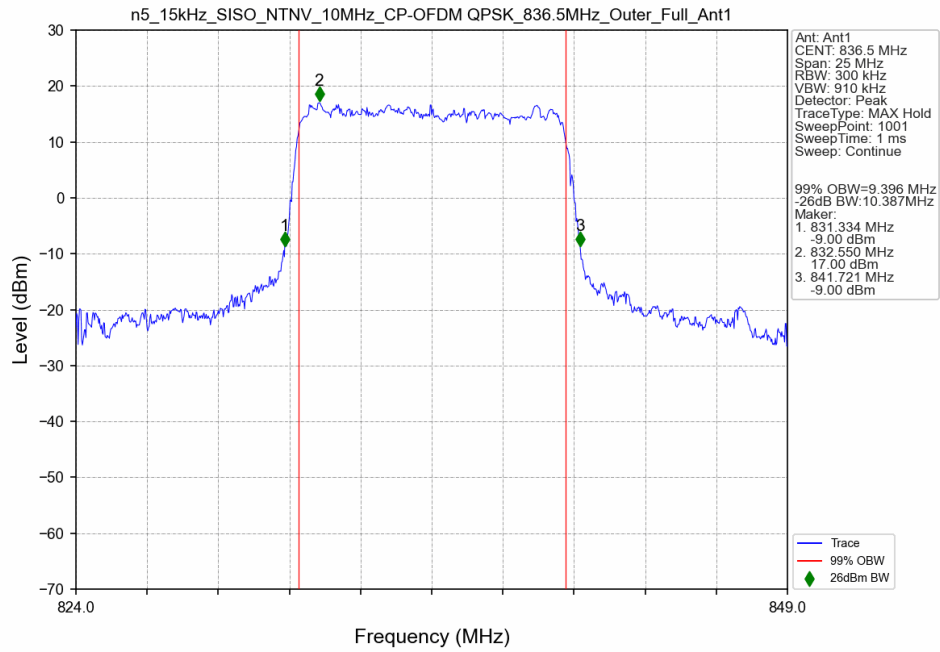
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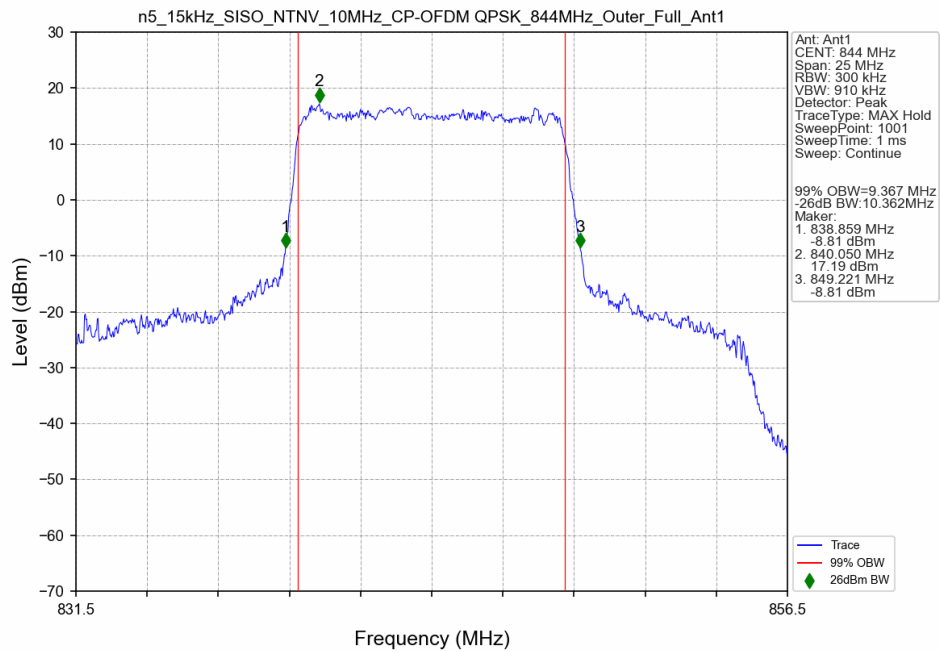
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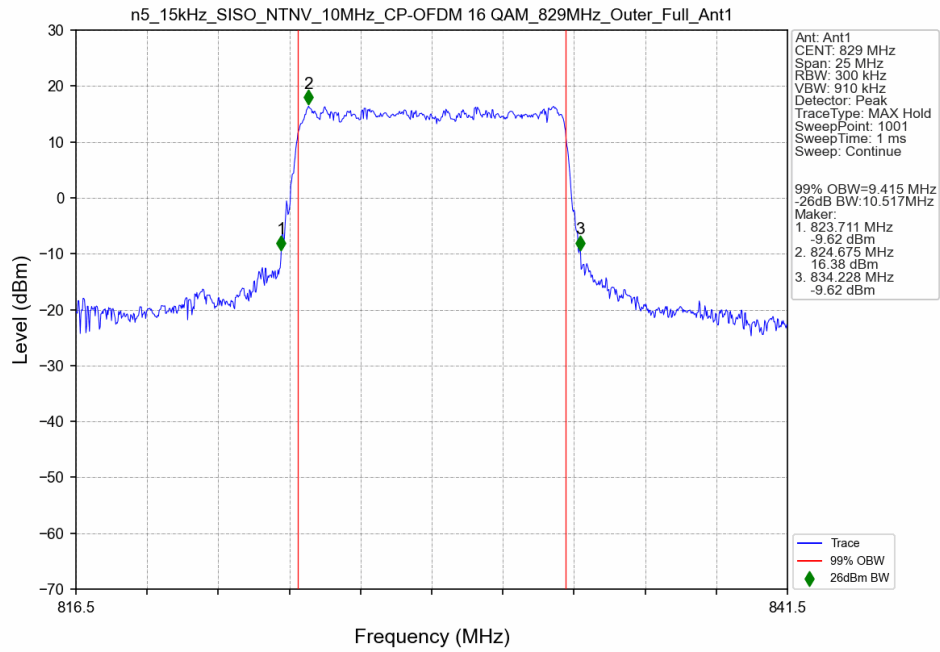
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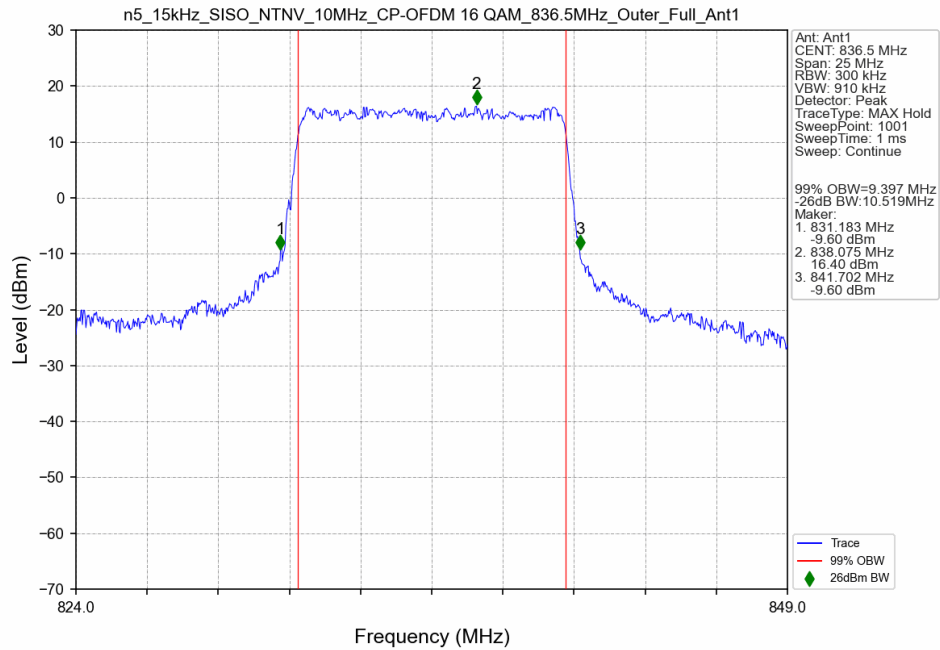
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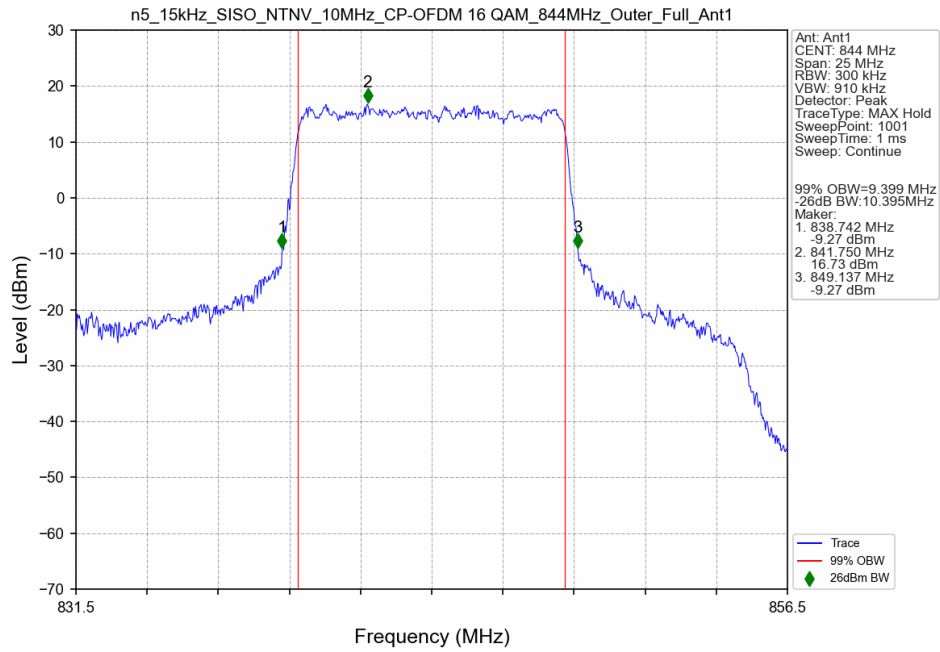
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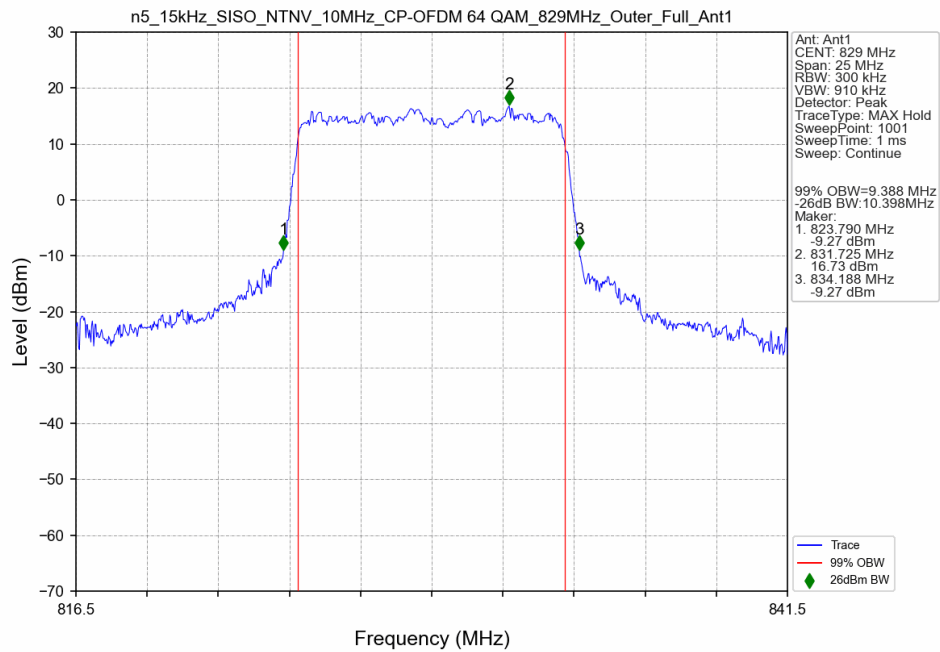
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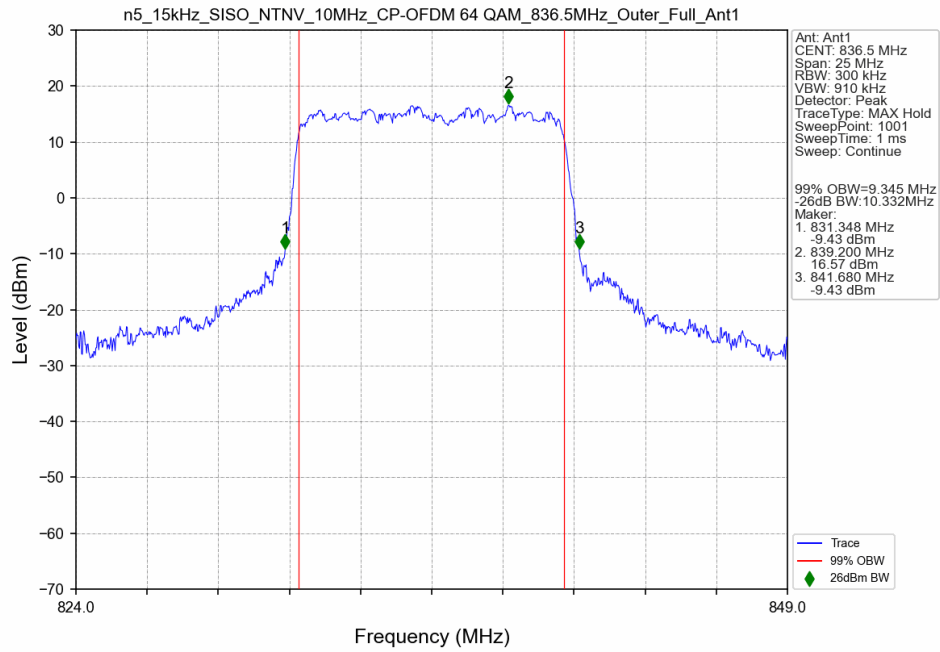
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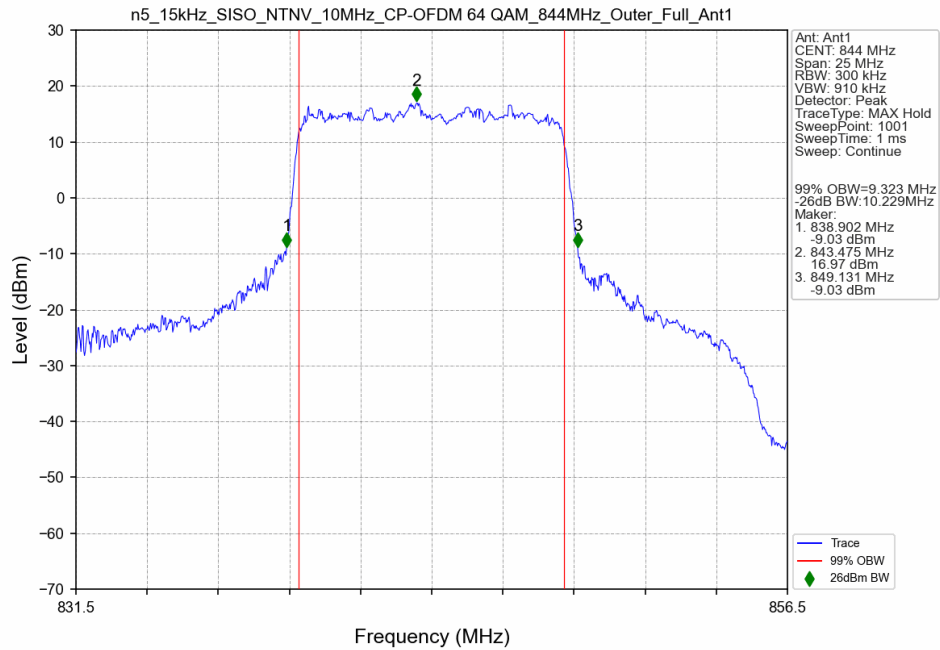
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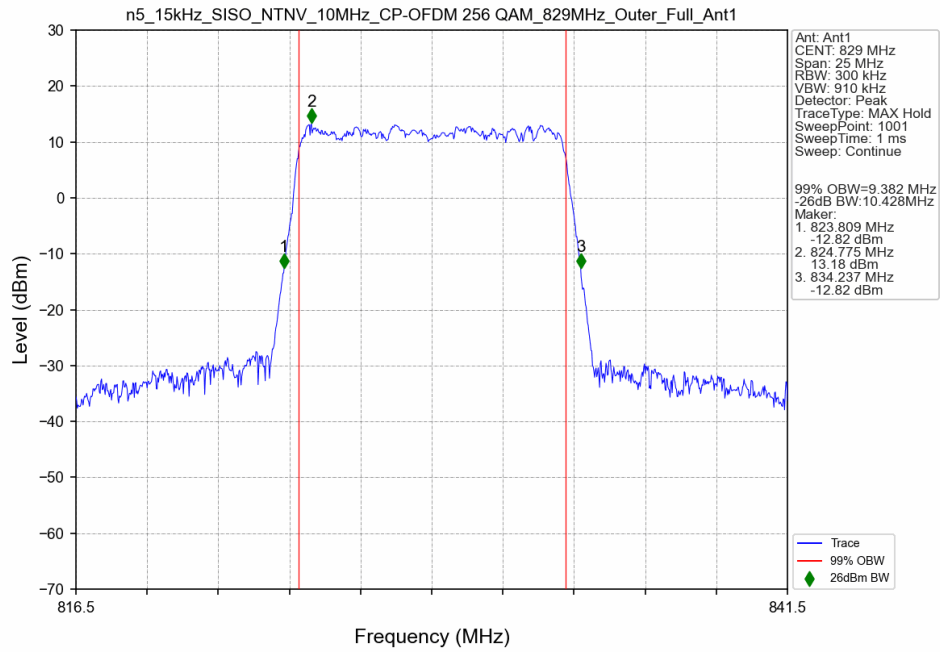
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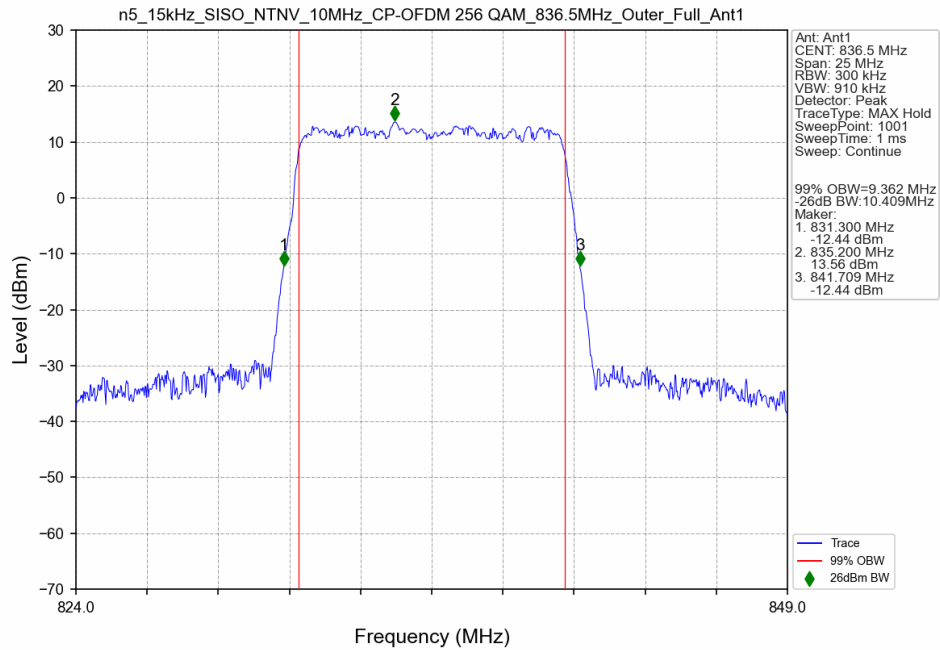
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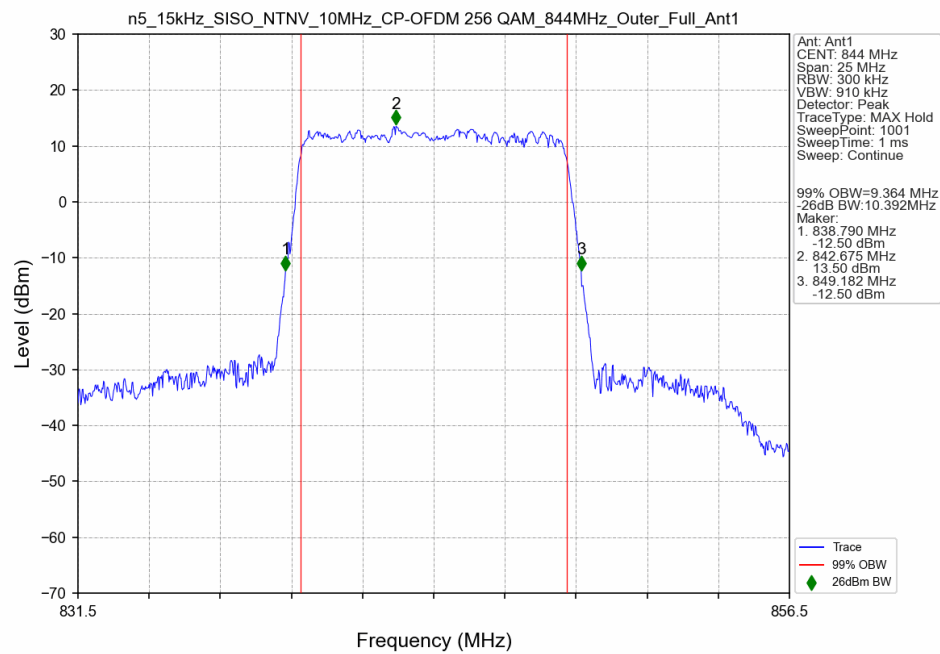
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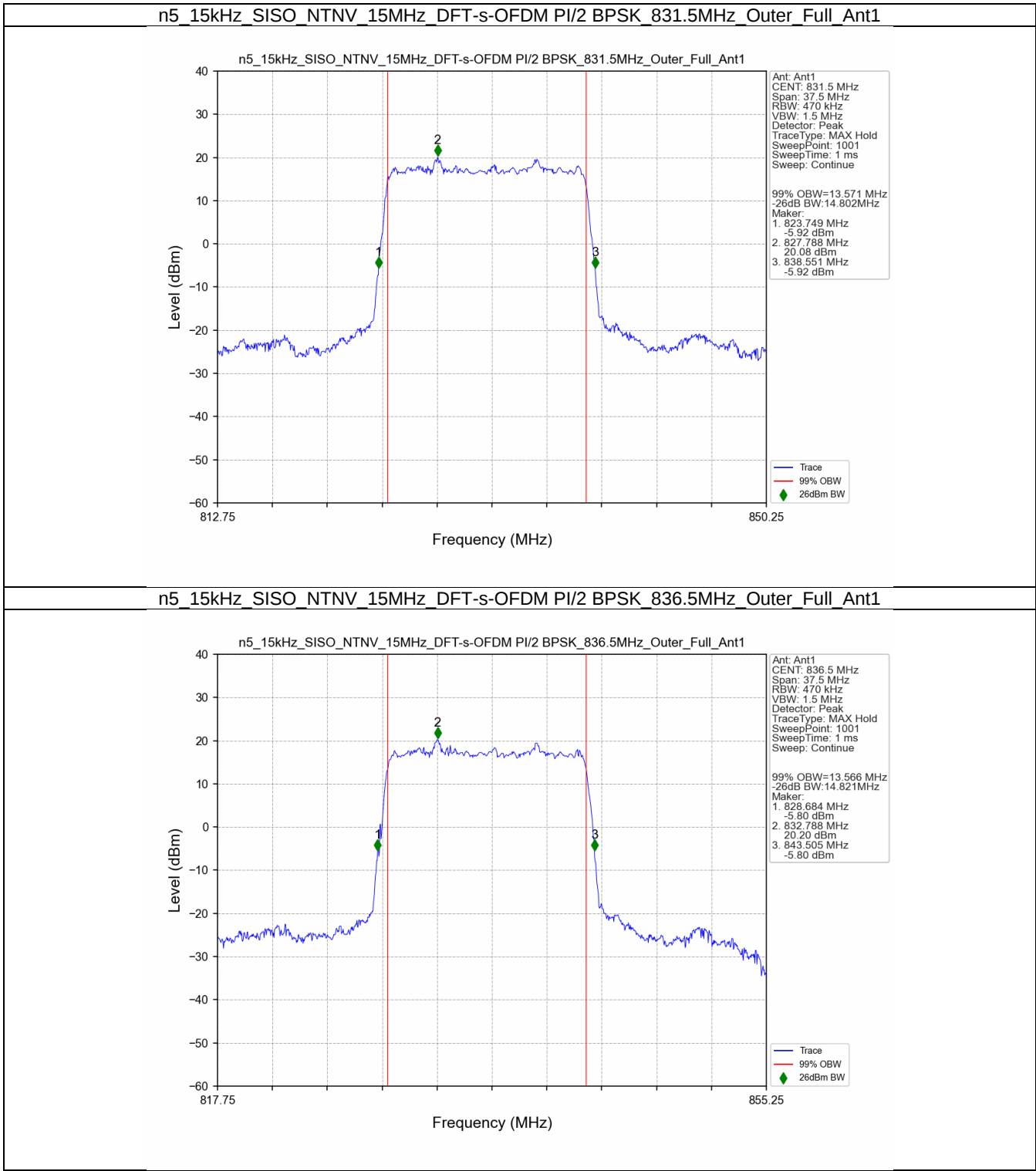
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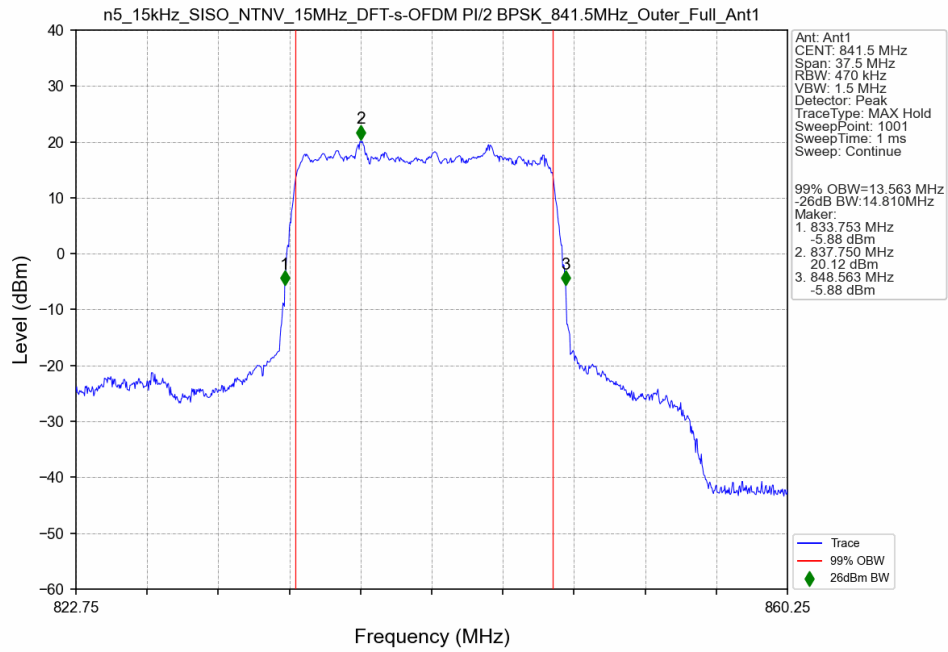
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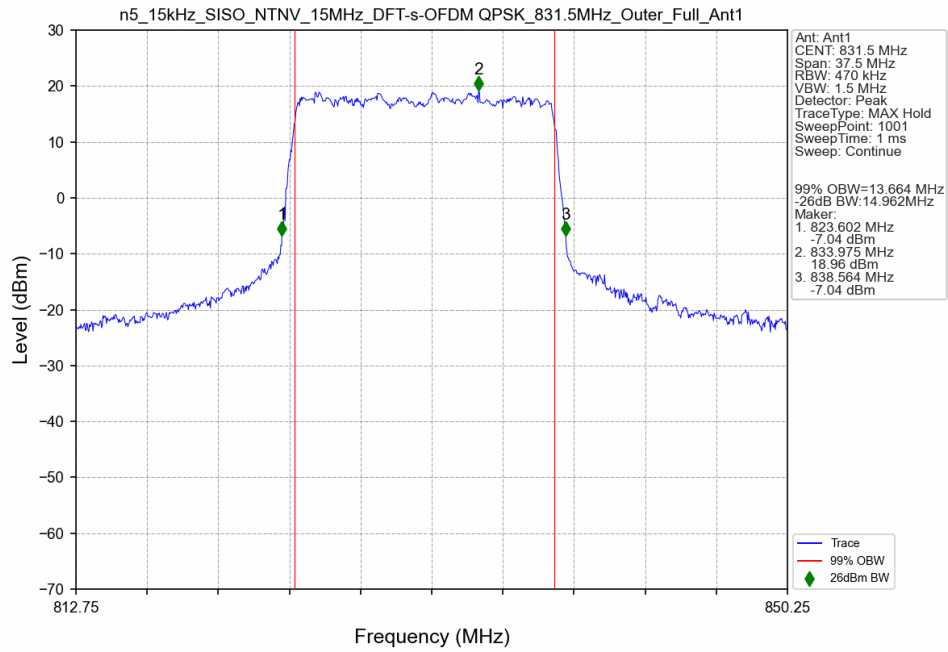
3.2.3 15k_SISO_15MHz_NTNV



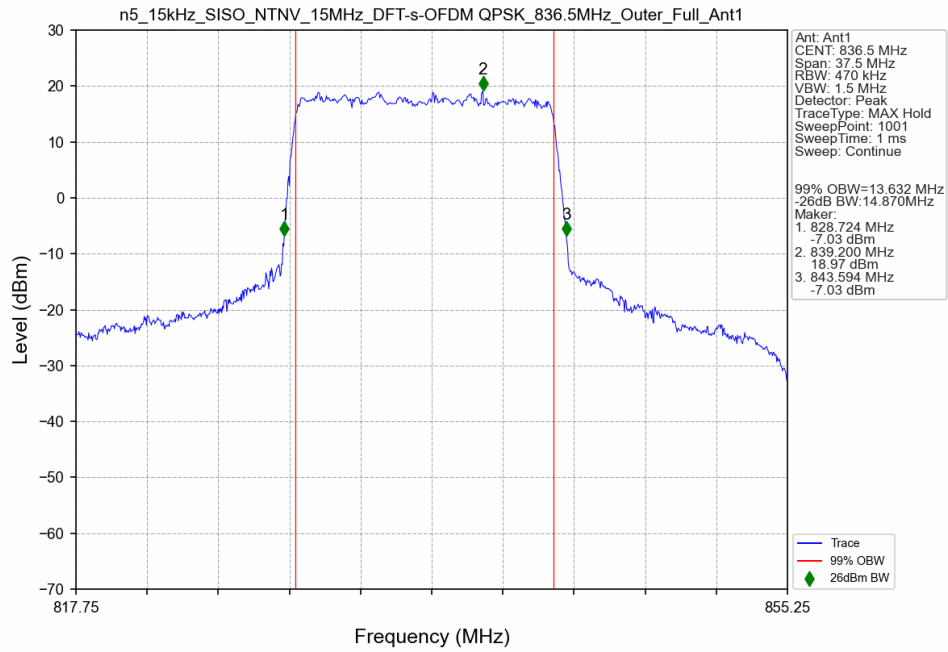
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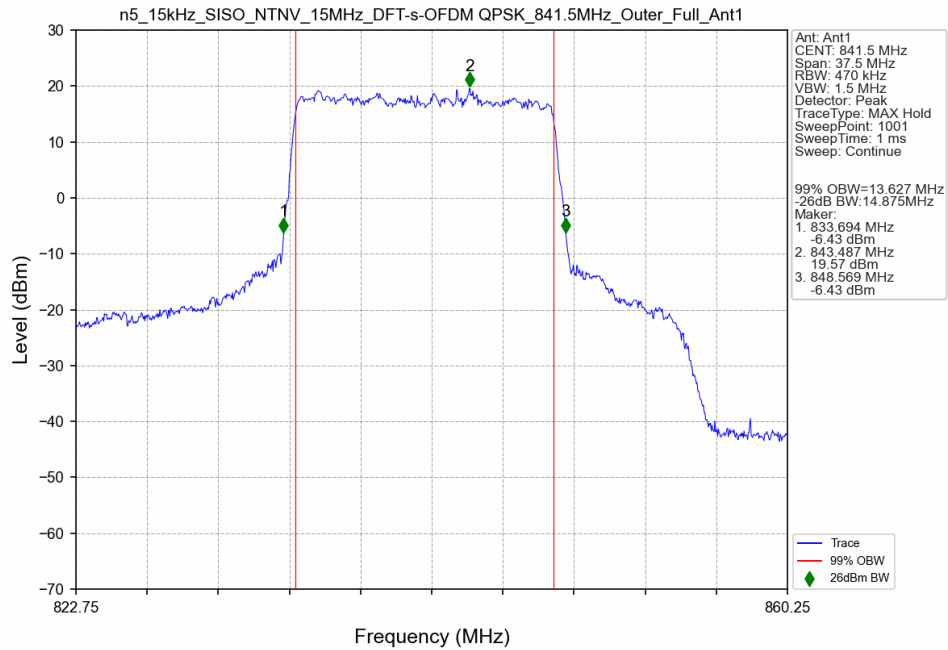
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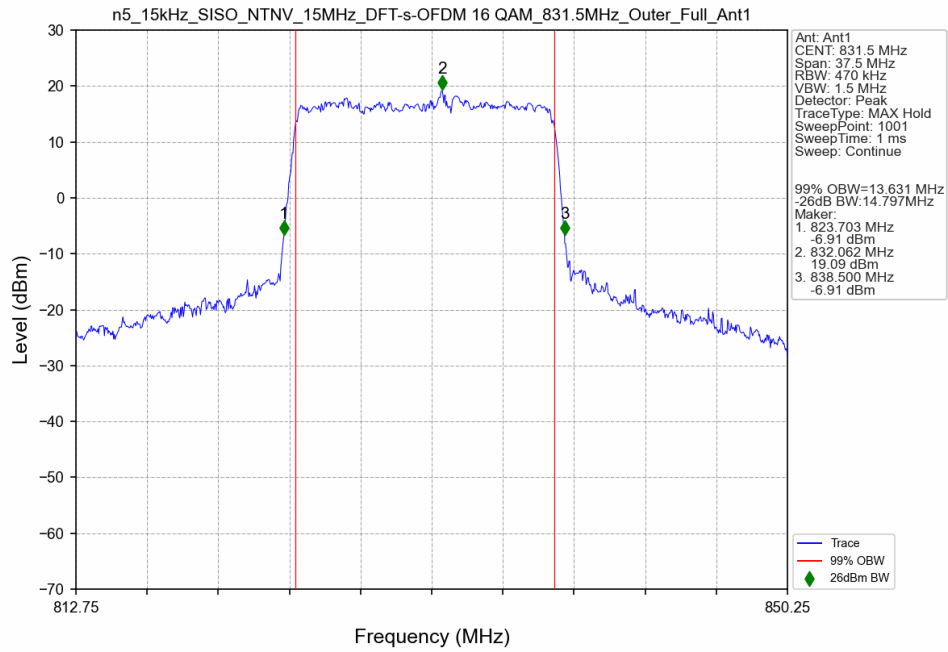
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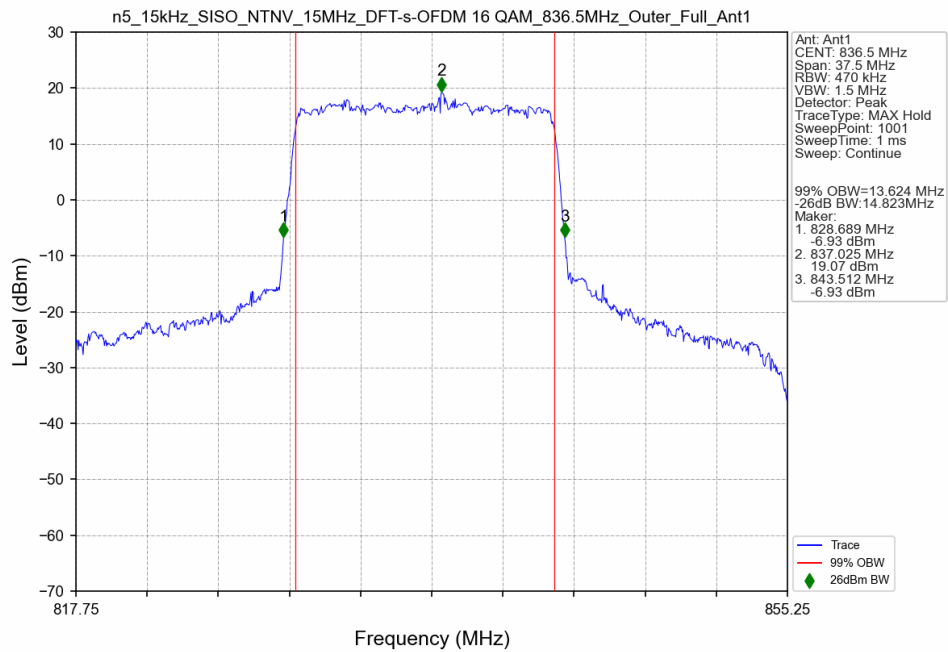
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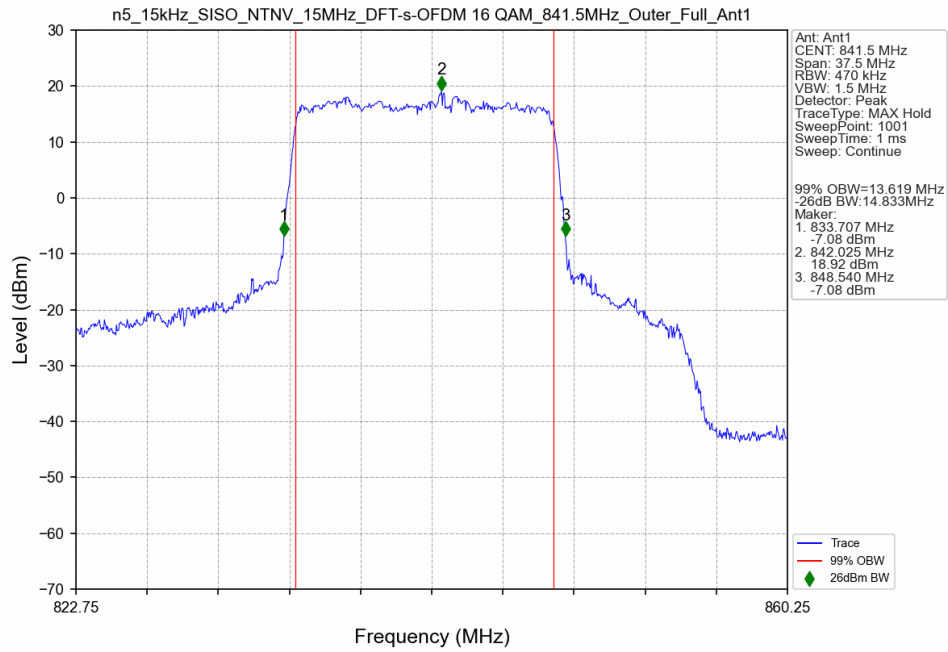
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full Ant1



n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full Ant1



n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full Ant1

