

1. Effective (Isotropic) Radiated Power Output Data

1.1 15k_SISO_15MHz_NTNV_ERP

1.1.1 Test Result

5G NR n26c 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	821.5	Edge_1RB_Left	23.41	/	/	17.76	/	/	<=38.45	Pass
		Edge_1RB_Right	23.49	/	/	17.84	/	/	<=38.45	Pass
		Outer_Full	23.63	/	/	17.98	/	/	<=38.45	Pass
		Inner_Full	23.7	/	/	18.05	/	/	<=38.45	Pass
		Inner_1RB_Left	23.33	/	/	17.68	/	/	<=38.45	Pass
		Inner_1RB_Right	23.71	/	/	18.06	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	23.6	/	/	17.95	/	/	<=38.45	Pass
		Edge_1RB_Right	23.73	/	/	18.08	/	/	<=38.45	Pass
		Outer_Full	23.61	/	/	17.96	/	/	<=38.45	Pass
		Inner_Full	23.66	/	/	18.01	/	/	<=38.45	Pass
		Inner_1RB_Left	23.49	/	/	17.84	/	/	<=38.45	Pass
		Inner_1RB_Right	23.72	/	/	18.07	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.45	/	/	17.8	/	/	<=38.45	Pass
		Edge_1RB_Right	23.52	/	/	17.87	/	/	<=38.45	Pass
		Outer_Full	23.76	/	/	18.11	/	/	<=38.45	Pass
		Inner_Full	23.83	/	/	18.18	/	/	<=38.45	Pass
		Inner_1RB_Left	23.67	/	/	18.02	/	/	<=38.45	Pass
		Inner_1RB_Right	23.75	/	/	18.1	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	821.5	Edge_1RB_Left	23.36	/	/	17.71	/	/	<=38.45	Pass
		Edge_1RB_Right	23.65	/	/	18	/	/	<=38.45	Pass
		Outer_Full	23.61	/	/	17.96	/	/	<=38.45	Pass
		Inner_Full	23.65	/	/	18	/	/	<=38.45	Pass
		Inner_1RB_Left	23.36	/	/	17.71	/	/	<=38.45	Pass
		Inner_1RB_Right	23.56	/	/	17.91	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	23.65	/	/	18	/	/	<=38.45	Pass
		Edge_1RB_Right	23.8	/	/	18.15	/	/	<=38.45	Pass
		Outer_Full	23.7	/	/	18.05	/	/	<=38.45	Pass
		Inner_Full	23.63	/	/	17.98	/	/	<=38.45	Pass
		Inner_1RB_Left	23.53	/	/	17.88	/	/	<=38.45	Pass
		Inner_1RB_Right	23.81	/	/	18.16	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.6	/	/	17.95	/	/	<=38.45	Pass
		Edge_1RB_Right	23.63	/	/	17.98	/	/	<=38.45	Pass
		Outer_Full	23.74	/	/	18.09	/	/	<=38.45	Pass
		Inner_Full	23.77	/	/	18.12	/	/	<=38.45	Pass
		Inner_1RB_Left	23.61	/	/	17.96	/	/	<=38.45	Pass
		Inner_1RB_Right	23.66	/	/	18.01	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	821.5	Edge_1RB_Left	22.31	/	/	16.66	/	/	<=38.45	Pass
		Edge_1RB_Right	22.6	/	/	16.95	/	/	<=38.45	Pass
		Outer_Full	22.64	/	/	16.99	/	/	<=38.45	Pass
		Inner_Full	23.54	/	/	17.89	/	/	<=38.45	Pass
		Inner_1RB_Left	23.18	/	/	17.53	/	/	<=38.45	Pass
		Inner_1RB_Right	23.6	/	/	17.95	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	22.53	/	/	16.88	/	/	<=38.45	Pass
		Edge_1RB_Right	22.77	/	/	17.12	/	/	<=38.45	Pass
		Outer_Full	22.71	/	/	17.06	/	/	<=38.45	Pass
		Inner_Full	23.65	/	/	18	/	/	<=38.45	Pass
		Inner_1RB_Left	23.44	/	/	17.79	/	/	<=38.45	Pass
		Inner_1RB_Right	23.69	/	/	18.04	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.53	/	/	16.88	/	/	<=38.45	Pass

		Edge 1RB Right	22.5	/	/	16.85	/	/	<=38.45	Pass
		Outer Full	22.8	/	/	17.15	/	/	<=38.45	Pass
		Inner Full	23.83	/	/	18.18	/	/	<=38.45	Pass
		Inner 1RB Left	23.52	/	/	17.87	/	/	<=38.45	Pass
		Inner 1RB Right	23.59	/	/	17.94	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	821.5	Edge 1RB Left	22.04	/	/	16.39	/	/	<=38.45	Pass
		Edge 1RB Right	22.37	/	/	16.72	/	/	<=38.45	Pass
		Outer Full	22.21	/	/	16.56	/	/	<=38.45	Pass
		Inner Full	22.26	/	/	16.61	/	/	<=38.45	Pass
		Inner 1RB Left	22.07	/	/	16.42	/	/	<=38.45	Pass
	831.5	Inner 1RB Right	22.26	/	/	16.61	/	/	<=38.45	Pass
		Edge 1RB Left	22.1	/	/	16.45	/	/	<=38.45	Pass
		Edge 1RB Right	22.3	/	/	16.65	/	/	<=38.45	Pass
		Outer Full	22.23	/	/	16.58	/	/	<=38.45	Pass
		Inner Full	22.17	/	/	16.52	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	22.12	/	/	16.47	/	/	<=38.45	Pass
		Inner 1RB Right	22.33	/	/	16.68	/	/	<=38.45	Pass
		Edge 1RB Left	22.28	/	/	16.63	/	/	<=38.45	Pass
		Edge 1RB Right	22.51	/	/	16.86	/	/	<=38.45	Pass
		Outer Full	22.33	/	/	16.68	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	821.5	Inner Full	22.3	/	/	16.65	/	/	<=38.45	Pass
		Inner 1RB Left	22.33	/	/	16.68	/	/	<=38.45	Pass
		Inner 1RB Right	22.32	/	/	16.67	/	/	<=38.45	Pass
		Edge 1RB Left	19.44	/	/	13.79	/	/	<=38.45	Pass
		Edge 1RB Right	19.78	/	/	14.13	/	/	<=38.45	Pass
	831.5	Outer Full	20.1	/	/	14.45	/	/	<=38.45	Pass
		Inner Full	20.08	/	/	14.43	/	/	<=38.45	Pass
		Inner 1RB Left	19.41	/	/	13.76	/	/	<=38.45	Pass
		Inner 1RB Right	19.79	/	/	14.14	/	/	<=38.45	Pass
		Edge 1RB Left	19.68	/	/	14.03	/	/	<=38.45	Pass
	841.5	Edge 1RB Right	19.77	/	/	14.12	/	/	<=38.45	Pass
		Outer Full	20.13	/	/	14.48	/	/	<=38.45	Pass
		Inner Full	20	/	/	14.35	/	/	<=38.45	Pass
		Inner 1RB Left	19.56	/	/	13.91	/	/	<=38.45	Pass
		Inner 1RB Right	19.78	/	/	14.13	/	/	<=38.45	Pass
CP-OFDM QPSK	821.5	Edge 1RB Left	19.6	/	/	13.95	/	/	<=38.45	Pass
		Edge 1RB Right	19.64	/	/	13.99	/	/	<=38.45	Pass
		Outer Full	20.14	/	/	14.49	/	/	<=38.45	Pass
		Inner Full	20.23	/	/	14.58	/	/	<=38.45	Pass
		Inner 1RB Left	19.56	/	/	13.91	/	/	<=38.45	Pass
	831.5	Inner 1RB Right	19.68	/	/	14.03	/	/	<=38.45	Pass
		Edge 1RB Left	21.32	/	/	15.67	/	/	<=38.45	Pass
		Edge 1RB Right	21.47	/	/	15.82	/	/	<=38.45	Pass
		Outer Full	21.63	/	/	15.98	/	/	<=38.45	Pass
		Inner Full	23.05	/	/	17.4	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	22.52	/	/	16.87	/	/	<=38.45	Pass
		Inner 1RB Right	22.94	/	/	17.29	/	/	<=38.45	Pass
		Edge 1RB Left	21.52	/	/	15.87	/	/	<=38.45	Pass
		Edge 1RB Right	21.78	/	/	16.13	/	/	<=38.45	Pass
		Outer Full	21.62	/	/	15.97	/	/	<=38.45	Pass
	821.5	Inner Full	23.11	/	/	17.46	/	/	<=38.45	Pass
		Inner 1RB Left	22.81	/	/	17.16	/	/	<=38.45	Pass
		Inner 1RB Right	23.02	/	/	17.37	/	/	<=38.45	Pass
		Edge 1RB Left	21.52	/	/	15.87	/	/	<=38.45	Pass
		Edge 1RB Right	21.49	/	/	15.84	/	/	<=38.45	Pass
	831.5	Outer Full	21.8	/	/	16.15	/	/	<=38.45	Pass
		Inner Full	23.22	/	/	17.57	/	/	<=38.45	Pass
		Inner 1RB Left	22.84	/	/	17.19	/	/	<=38.45	Pass
		Inner 1RB Right	23.01	/	/	17.36	/	/	<=38.45	Pass
		Edge 1RB Left	21.52	/	/	15.87	/	/	<=38.45	Pass
	841.5	Edge 1RB Right	21.49	/	/	15.84	/	/	<=38.45	Pass
		Outer Full	21.8	/	/	16.15	/	/	<=38.45	Pass
		Inner Full	23.22	/	/	17.57	/	/	<=38.45	Pass
		Inner 1RB Left	22.84	/	/	17.19	/	/	<=38.45	Pass
		Inner 1RB Right	23.01	/	/	17.36	/	/	<=38.45	Pass

CP-OFDM 16 QAM	821.5	Edge_1RB_Left	21.34	/	/	15.69	/	/	<=38.45	Pass
		Edge_1RB_Right	21.72	/	/	16.07	/	/	<=38.45	Pass
		Outer_Full	21.56	/	/	15.91	/	/	<=38.45	Pass
		Inner_Full	22.68	/	/	17.03	/	/	<=38.45	Pass
		Inner_1RB_Left	22.35	/	/	16.7	/	/	<=38.45	Pass
		Inner_1RB_Right	22.65	/	/	17	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	21.57	/	/	15.92	/	/	<=38.45	Pass
		Edge_1RB_Right	21.84	/	/	16.19	/	/	<=38.45	Pass
		Outer_Full	21.69	/	/	16.04	/	/	<=38.45	Pass
		Inner_Full	22.72	/	/	17.07	/	/	<=38.45	Pass
		Inner_1RB_Left	22.55	/	/	16.9	/	/	<=38.45	Pass
		Inner_1RB_Right	22.66	/	/	17.01	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.7	/	/	16.05	/	/	<=38.45	Pass
		Edge_1RB_Right	21.65	/	/	16	/	/	<=38.45	Pass
		Outer_Full	21.81	/	/	16.16	/	/	<=38.45	Pass
		Inner_Full	22.87	/	/	17.22	/	/	<=38.45	Pass
		Inner_1RB_Left	22.61	/	/	16.96	/	/	<=38.45	Pass
		Inner_1RB_Right	22.78	/	/	17.13	/	/	<=38.45	Pass
CP-OFDM 64 QAM	821.5	Edge_1RB_Left	20.84	/	/	15.19	/	/	<=38.45	Pass
		Edge_1RB_Right	21.09	/	/	15.44	/	/	<=38.45	Pass
		Outer_Full	21.11	/	/	15.46	/	/	<=38.45	Pass
		Inner_Full	21.13	/	/	15.48	/	/	<=38.45	Pass
		Inner_1RB_Left	20.74	/	/	15.09	/	/	<=38.45	Pass
		Inner_1RB_Right	21.07	/	/	15.42	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	20.97	/	/	15.32	/	/	<=38.45	Pass
		Edge_1RB_Right	21.22	/	/	15.57	/	/	<=38.45	Pass
		Outer_Full	21.16	/	/	15.51	/	/	<=38.45	Pass
		Inner_Full	21.16	/	/	15.51	/	/	<=38.45	Pass
		Inner_1RB_Left	20.97	/	/	15.32	/	/	<=38.45	Pass
		Inner_1RB_Right	21.12	/	/	15.47	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.17	/	/	15.52	/	/	<=38.45	Pass
		Edge_1RB_Right	21.23	/	/	15.58	/	/	<=38.45	Pass
		Outer_Full	21.18	/	/	15.53	/	/	<=38.45	Pass
		Inner_Full	21.21	/	/	15.56	/	/	<=38.45	Pass
		Inner_1RB_Left	21.15	/	/	15.5	/	/	<=38.45	Pass
		Inner_1RB_Right	21.26	/	/	15.61	/	/	<=38.45	Pass
CP-OFDM 256 QAM	821.5	Edge_1RB_Left	17.65	/	/	12	/	/	<=38.45	Pass
		Edge_1RB_Right	17.82	/	/	12.17	/	/	<=38.45	Pass
		Outer_Full	18.1	/	/	12.45	/	/	<=38.45	Pass
		Inner_Full	18.13	/	/	12.48	/	/	<=38.45	Pass
		Inner_1RB_Left	17.64	/	/	11.99	/	/	<=38.45	Pass
		Inner_1RB_Right	17.92	/	/	12.27	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	17.82	/	/	12.17	/	/	<=38.45	Pass
		Edge_1RB_Right	18.12	/	/	12.47	/	/	<=38.45	Pass
		Outer_Full	18.17	/	/	12.52	/	/	<=38.45	Pass
		Inner_Full	18.16	/	/	12.51	/	/	<=38.45	Pass
		Inner_1RB_Left	17.83	/	/	12.18	/	/	<=38.45	Pass
		Inner_1RB_Right	18.07	/	/	12.42	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	17.65	/	/	12	/	/	<=38.45	Pass
		Edge_1RB_Right	17.75	/	/	12.1	/	/	<=38.45	Pass
		Outer_Full	18.2	/	/	12.55	/	/	<=38.45	Pass
Inner_Full		18.31	/	/	12.66	/	/	<=38.45	Pass	
Inner_1RB_Left		17.61	/	/	11.96	/	/	<=38.45	Pass	
Inner_1RB_Right	17.81	/	/	12.16	/	/	<=38.45	Pass		
Note1: Antenna Gain: Ant1: -3.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 15k_SISO_15MHz

2.1.1 Test Result

5G NR n26c SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	831.5	Outer_Full	20	LV	7.00	0.0084	>=-2.5 & <=2.5	Pass
				HV	4.10	0.0049	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0043	>=-2.5 & <=2.5	Pass
			-20	NV	9.00	0.0108	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0065	>=-2.5 & <=2.5	Pass
			0	NV	6.40	0.0077	>=-2.5 & <=2.5	Pass
			10	NV	-8.60	-0.0103	>=-2.5 & <=2.5	Pass
			20	NV	8.70	0.0105	>=-2.5 & <=2.5	Pass
			30	NV	5.50	0.0066	>=-2.5 & <=2.5	Pass
			40	NV	2.60	0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	20	LV	1.70	0.0020	>=-2.5 & <=2.5	Pass
				HV	4.30	0.0052	>=-2.5 & <=2.5	Pass
			-30	NV	7.60	0.0091	>=-2.5 & <=2.5	Pass
			-20	NV	6.20	0.0075	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0030	>=-2.5 & <=2.5	Pass
			0	NV	4.30	0.0052	>=-2.5 & <=2.5	Pass
			10	NV	2.10	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	5.40	0.0065	>=-2.5 & <=2.5	Pass
			30	NV	5.70	0.0069	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	20	LV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	1.10	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	4.50	0.0054	>=-2.5 & <=2.5	Pass
			-10	NV	6.50	0.0078	>=-2.5 & <=2.5	Pass
			0	NV	4.90	0.0059	>=-2.5 & <=2.5	Pass
			10	NV	2.00	0.0024	>=-2.5 & <=2.5	Pass
			20	NV	5.90	0.0071	>=-2.5 & <=2.5	Pass
			30	NV	7.80	0.0094	>=-2.5 & <=2.5	Pass
			40	NV	3.90	0.0047	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	20	LV	5.40	0.0065	>=-2.5 & <=2.5	Pass
				HV	5.90	0.0071	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	0.30	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	4.40	0.0053	>=-2.5 & <=2.5	Pass
			0	NV	2.30	0.0028	>=-2.5 & <=2.5	Pass
			10	NV	3.60	0.0043	>=-2.5 & <=2.5	Pass
			20	NV	3.60	0.0043	>=-2.5 & <=2.5	Pass
			30	NV	2.80	0.0034	>=-2.5 & <=2.5	Pass
			40	NV	8.90	0.0107	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	20	LV	5.60	0.0067	>=-2.5 & <=2.5	Pass
				HV	2.40	0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			-20	NV	3.30	0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	2.40	0.0029	>=-2.5 & <=2.5	Pass

			0	NV	5.50	0.0066	>=-2.5 & <=2.5	Pass
			10	NV	4.00	0.0048	>=-2.5 & <=2.5	Pass
			20	NV	5.10	0.0061	>=-2.5 & <=2.5	Pass
			30	NV	8.10	0.0097	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0052	>=-2.5 & <=2.5	Pass
			50	NV	2.70	0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	831.5	Outer_Full	20	LV	6.40	0.0077	>=-2.5 & <=2.5	Pass
				HV	2.00	0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	3.40	0.0041	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0046	>=-2.5 & <=2.5	Pass
			-10	NV	-1.70	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	7.30	0.0088	>=-2.5 & <=2.5	Pass
			10	NV	4.60	0.0055	>=-2.5 & <=2.5	Pass
			20	NV	4.90	0.0059	>=-2.5 & <=2.5	Pass
			30	NV	5.20	0.0063	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	6.10	0.0073	>=-2.5 & <=2.5	Pass
			CP-OFDM 16 QAM	831.5	Outer_Full	20	LV	5.70
HV	3.60	0.0043					>=-2.5 & <=2.5	Pass
-30	NV	4.20				0.0051	>=-2.5 & <=2.5	Pass
-20	NV	2.90				0.0035	>=-2.5 & <=2.5	Pass
-10	NV	4.10				0.0049	>=-2.5 & <=2.5	Pass
0	NV	2.00				0.0024	>=-2.5 & <=2.5	Pass
10	NV	2.40				0.0029	>=-2.5 & <=2.5	Pass
20	NV	1.30				0.0016	>=-2.5 & <=2.5	Pass
30	NV	7.60				0.0091	>=-2.5 & <=2.5	Pass
40	NV	9.70				0.0117	>=-2.5 & <=2.5	Pass
50	NV	7.10				0.0085	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	831.5	Outer_Full				20	LV	6.20
			HV	3.00	0.0036		>=-2.5 & <=2.5	Pass
			-30	NV	4.80	0.0058	>=-2.5 & <=2.5	Pass
			-20	NV	4.00	0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	6.90	0.0083	>=-2.5 & <=2.5	Pass
			0	NV	1.60	0.0019	>=-2.5 & <=2.5	Pass
			10	NV	7.10	0.0085	>=-2.5 & <=2.5	Pass
			20	NV	10.90	0.0131	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	3.30	0.0040	>=-2.5 & <=2.5	Pass
			CP-OFDM 256 QAM	831.5	Outer_Full	20	LV	5.20
HV	4.10	0.0049					>=-2.5 & <=2.5	Pass
-30	NV	5.10				0.0061	>=-2.5 & <=2.5	Pass
-20	NV	-2.90				-0.0035	>=-2.5 & <=2.5	Pass
-10	NV	4.40				0.0053	>=-2.5 & <=2.5	Pass
0	NV	2.00				0.0024	>=-2.5 & <=2.5	Pass
10	NV	3.20				0.0038	>=-2.5 & <=2.5	Pass
20	NV	3.10				0.0037	>=-2.5 & <=2.5	Pass
30	NV	4.90				0.0059	>=-2.5 & <=2.5	Pass
40	NV	3.80				0.0046	>=-2.5 & <=2.5	Pass
50	NV	6.00				0.0072	>=-2.5 & <=2.5	Pass

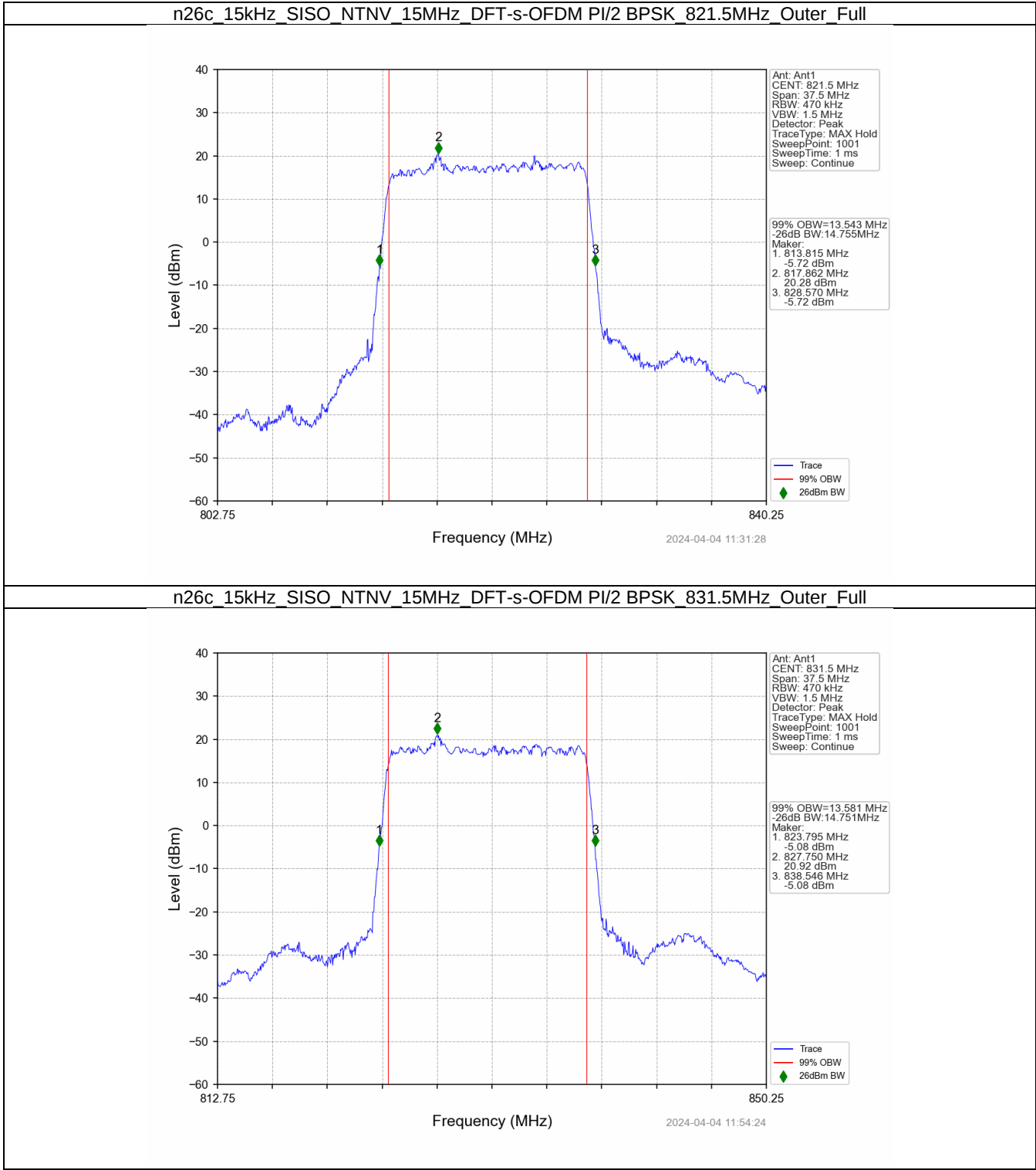
3. 99% & 26dB Bandwidth

3.1 15k_SISO_15MHz_NTNV

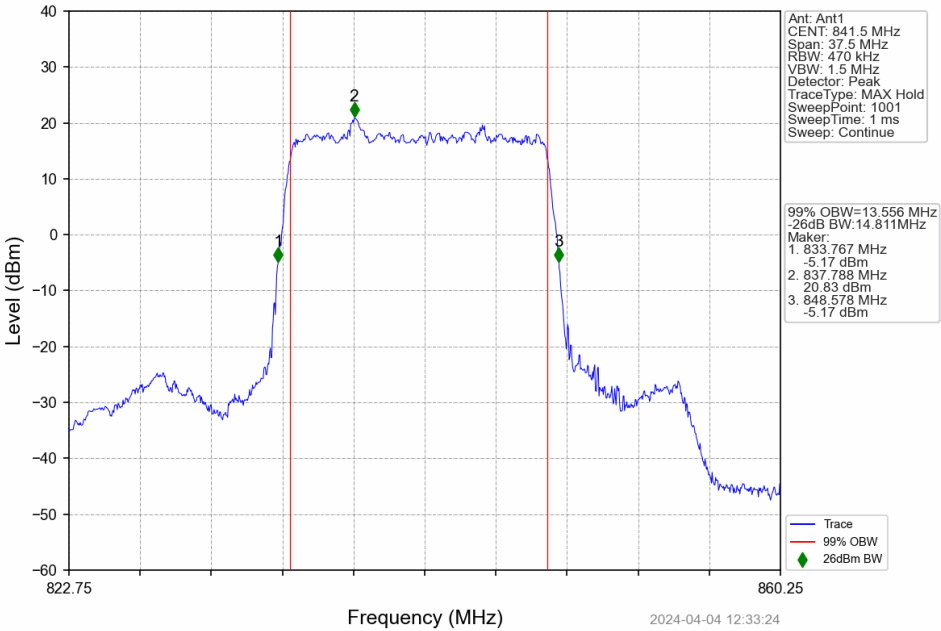
3.1.1 Test Result

5G NR n26c 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	821.5	Outer_Full	13.54	14.76	/	Pass
	831.5	Outer_Full	13.58	14.75	/	Pass
	841.5	Outer_Full	13.56	14.81	/	Pass
DFT-s-OFDM QPSK	821.5	Outer_Full	13.57	14.75	/	Pass
	831.5	Outer_Full	13.60	14.83	/	Pass
	841.5	Outer_Full	13.57	14.72	/	Pass
DFT-s-OFDM 16 QAM	821.5	Outer_Full	13.60	14.78	/	Pass
	831.5	Outer_Full	13.63	14.92	/	Pass
	841.5	Outer_Full	13.62	14.79	/	Pass
DFT-s-OFDM 64 QAM	821.5	Outer_Full	13.51	14.74	/	Pass
	831.5	Outer_Full	13.54	14.78	/	Pass
	841.5	Outer_Full	13.53	14.84	/	Pass
DFT-s-OFDM 256 QAM	821.5	Outer_Full	13.57	14.87	/	Pass
	831.5	Outer_Full	13.58	14.74	/	Pass
	841.5	Outer_Full	13.58	14.89	/	Pass
CP-OFDM QPSK	821.5	Outer_Full	14.18	15.40	/	Pass
	831.5	Outer_Full	14.25	15.52	/	Pass
	841.5	Outer_Full	14.20	15.45	/	Pass
CP-OFDM 16 QAM	821.5	Outer_Full	14.21	15.44	/	Pass
	831.5	Outer_Full	14.26	15.50	/	Pass
	841.5	Outer_Full	14.24	15.53	/	Pass
CP-OFDM 64 QAM	821.5	Outer_Full	14.25	15.55	/	Pass
	831.5	Outer_Full	14.28	15.54	/	Pass
	841.5	Outer_Full	14.29	15.62	/	Pass
CP-OFDM 256 QAM	821.5	Outer_Full	14.19	15.43	/	Pass
	831.5	Outer_Full	14.22	15.53	/	Pass
	841.5	Outer_Full	14.20	15.44	/	Pass

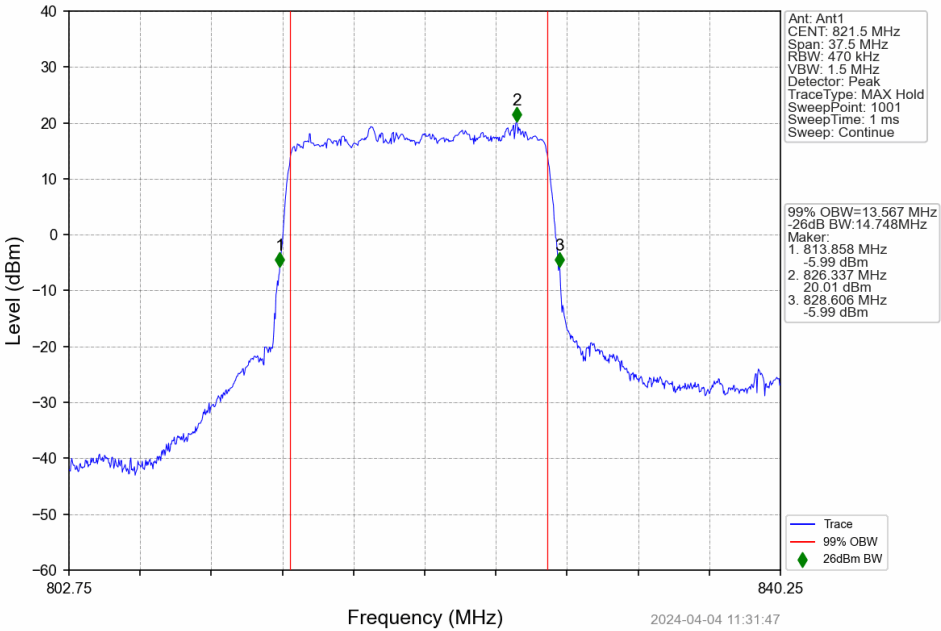
3.1.2 Test Graph



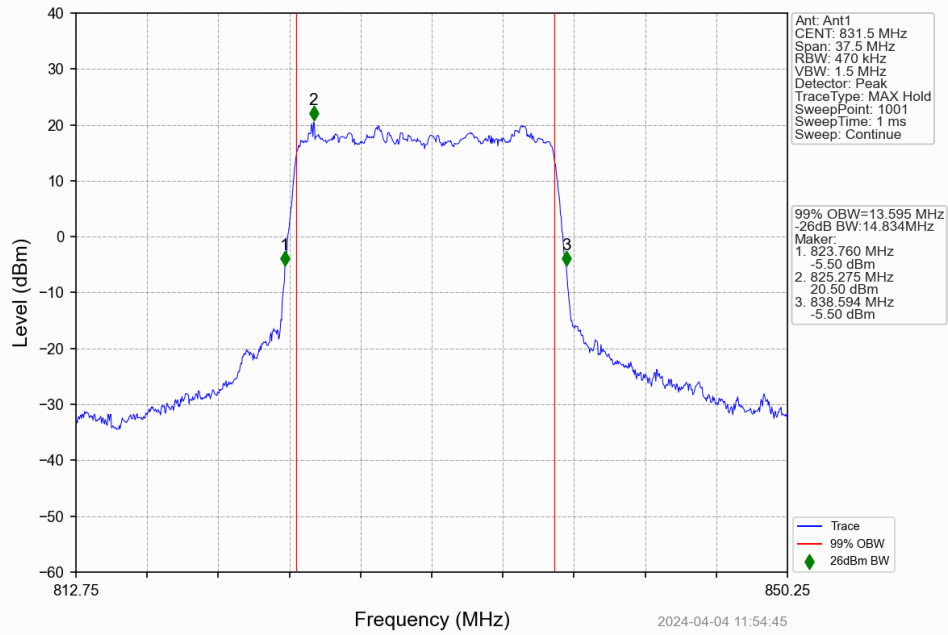
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Outer Full



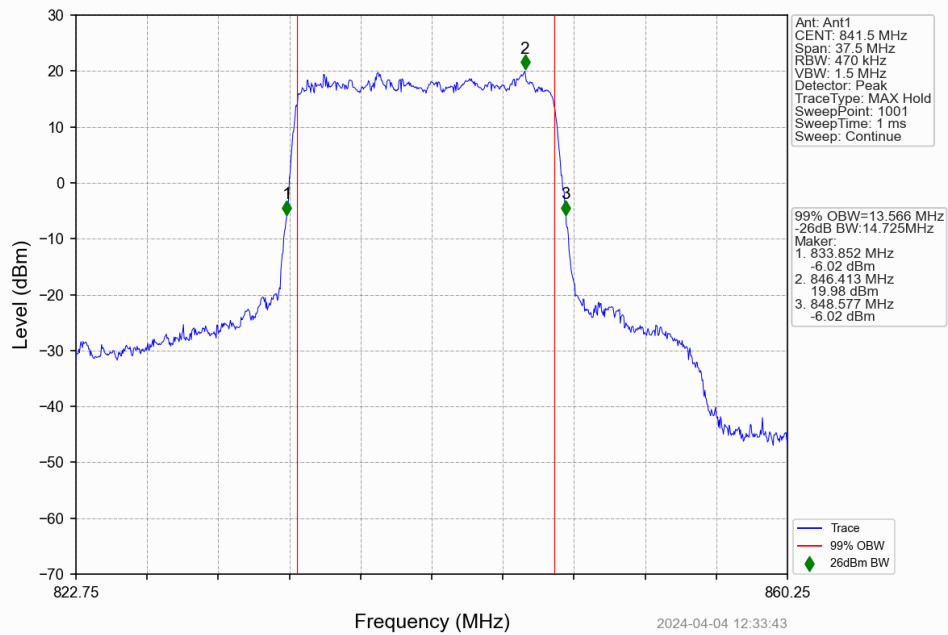
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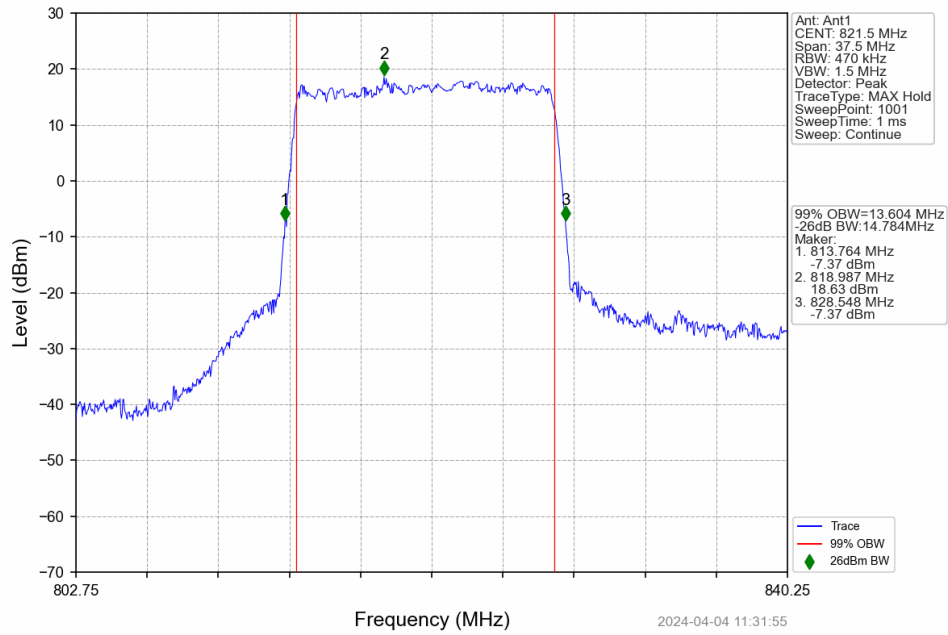
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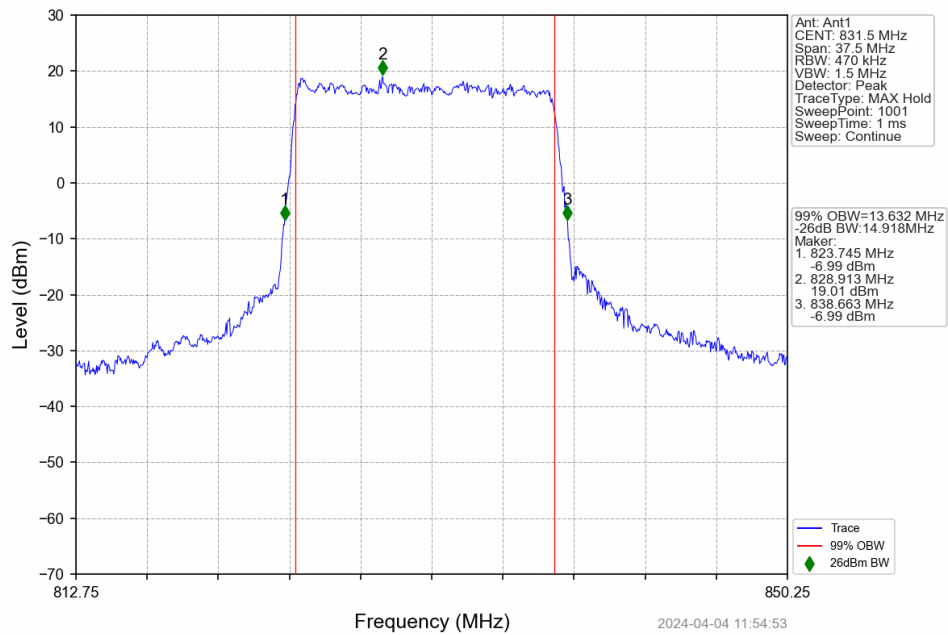
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full



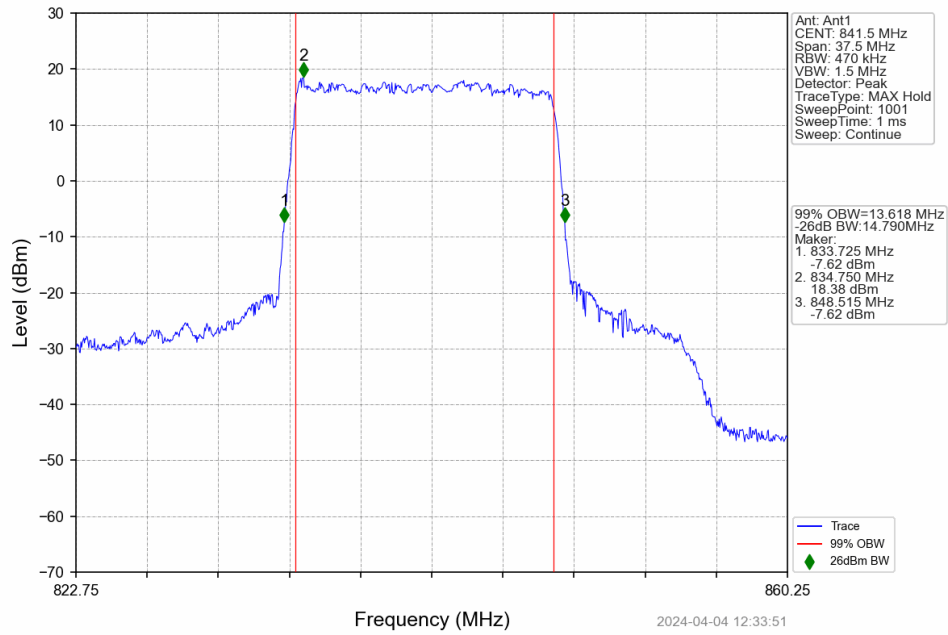
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 821.5MHz Outer Full



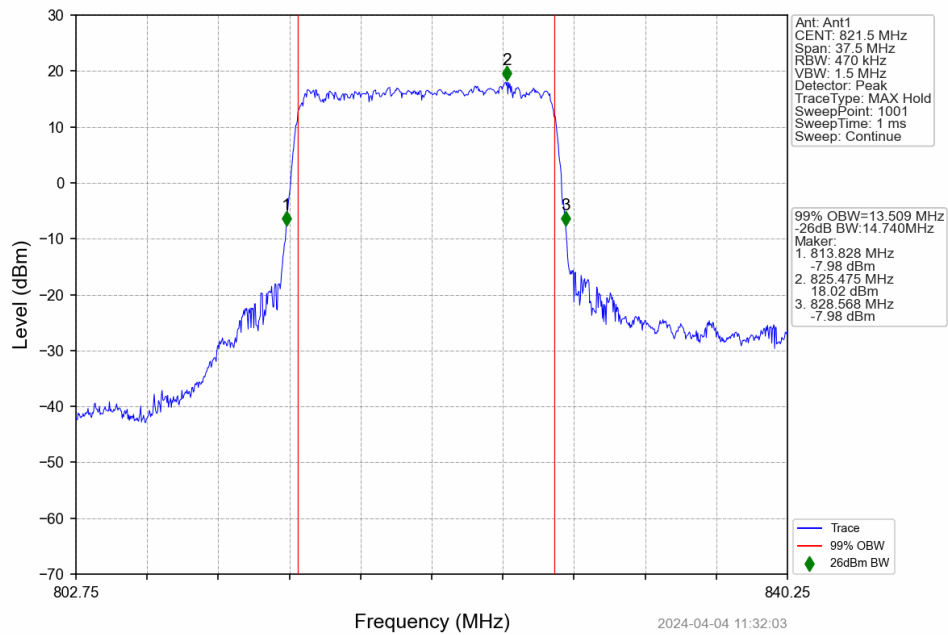
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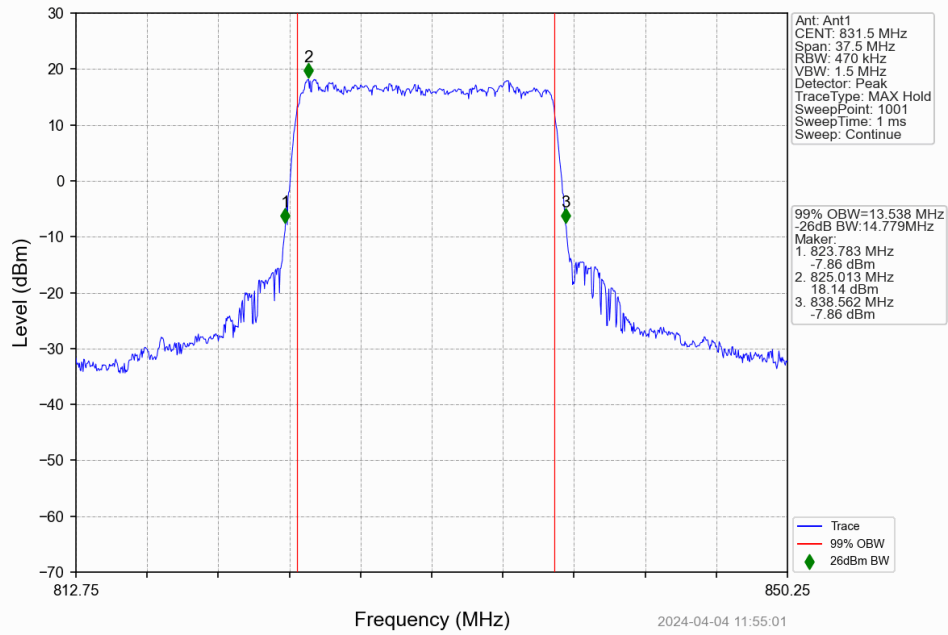
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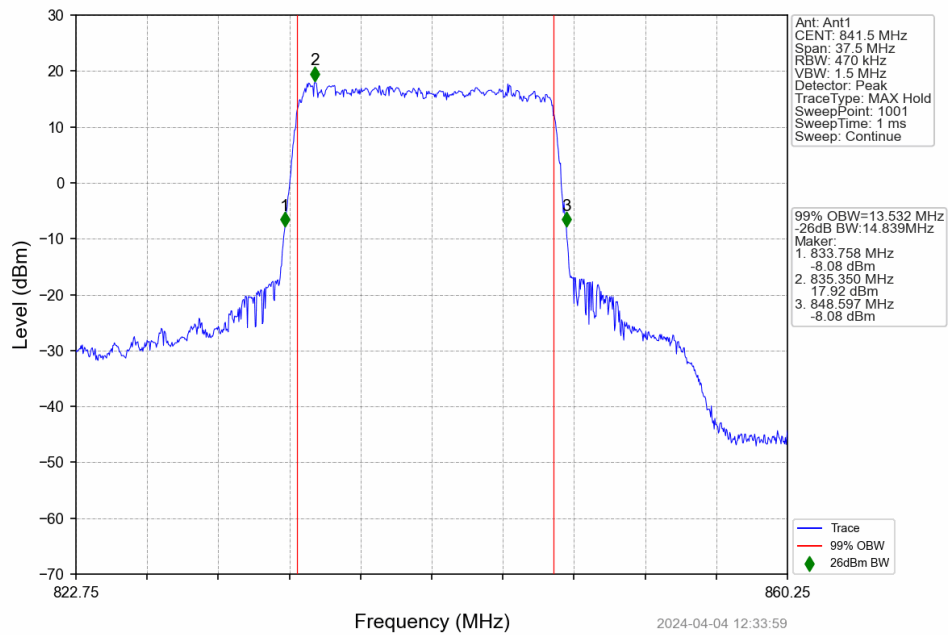
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 821.5MHz Outer Full



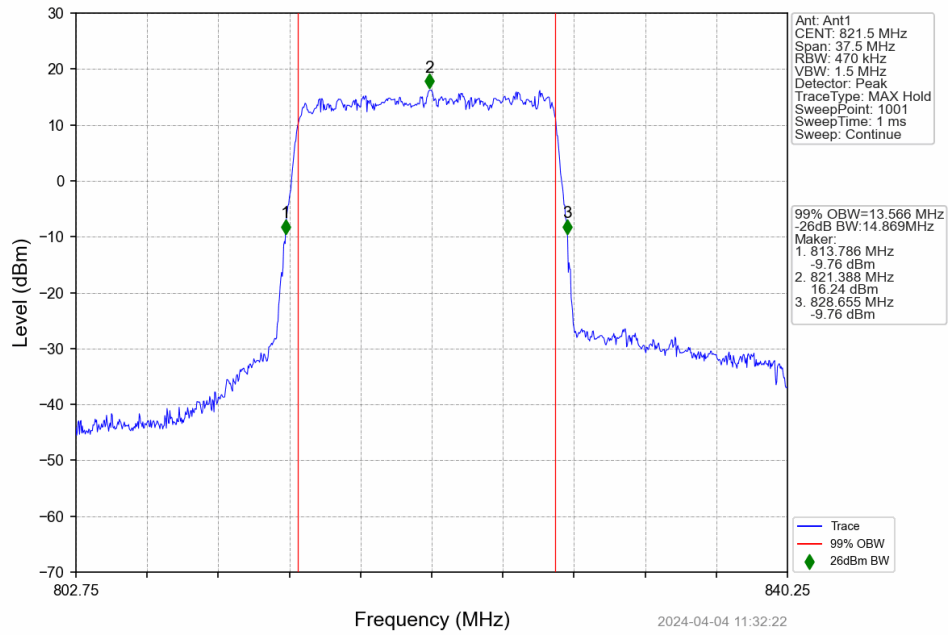
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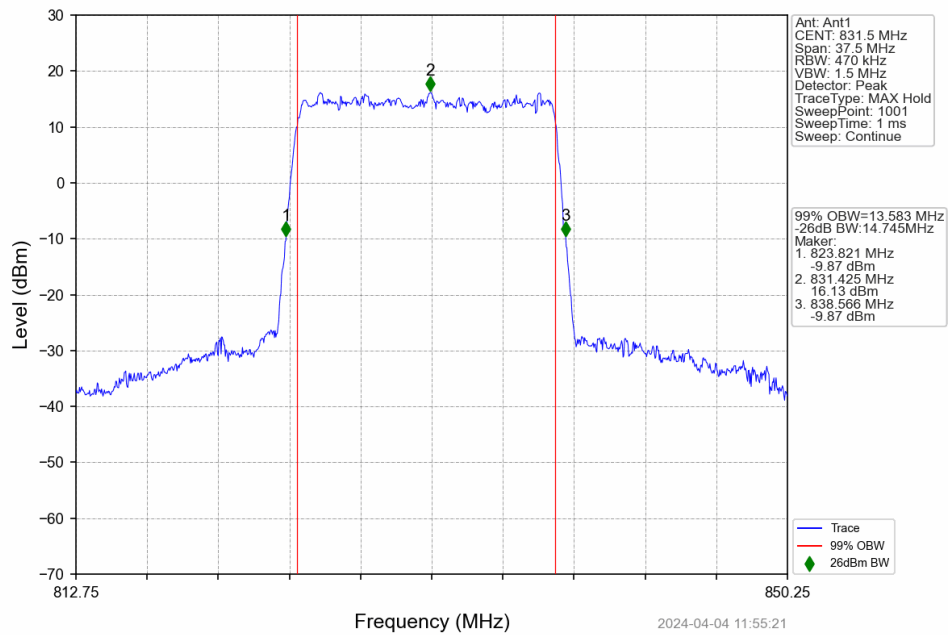
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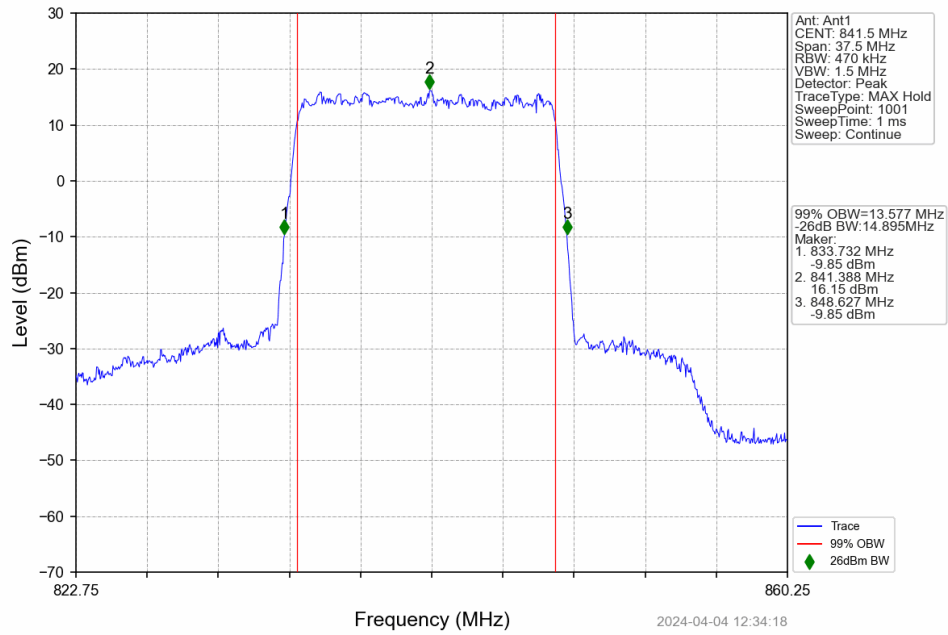
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 821.5MHz Outer Full



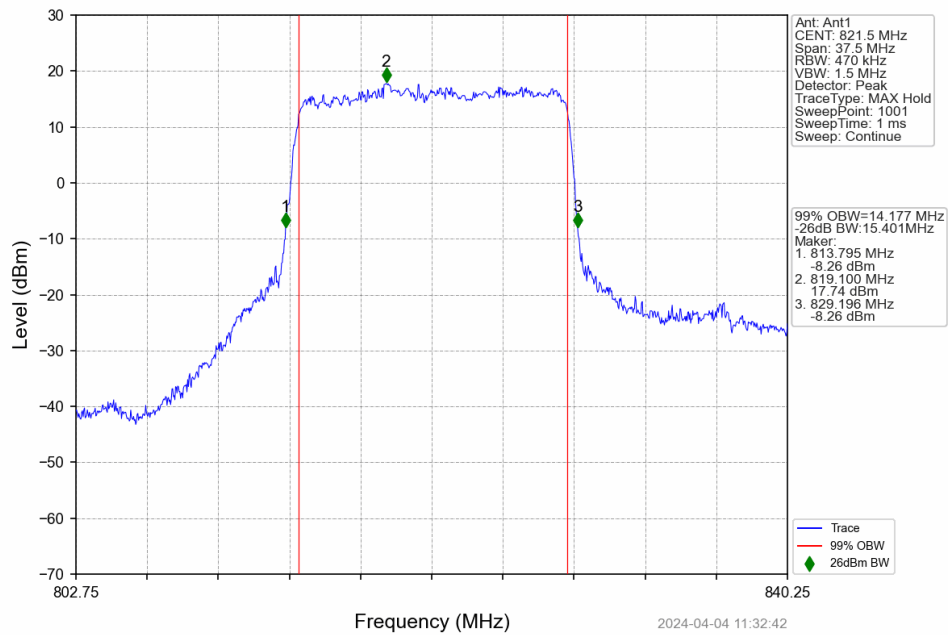
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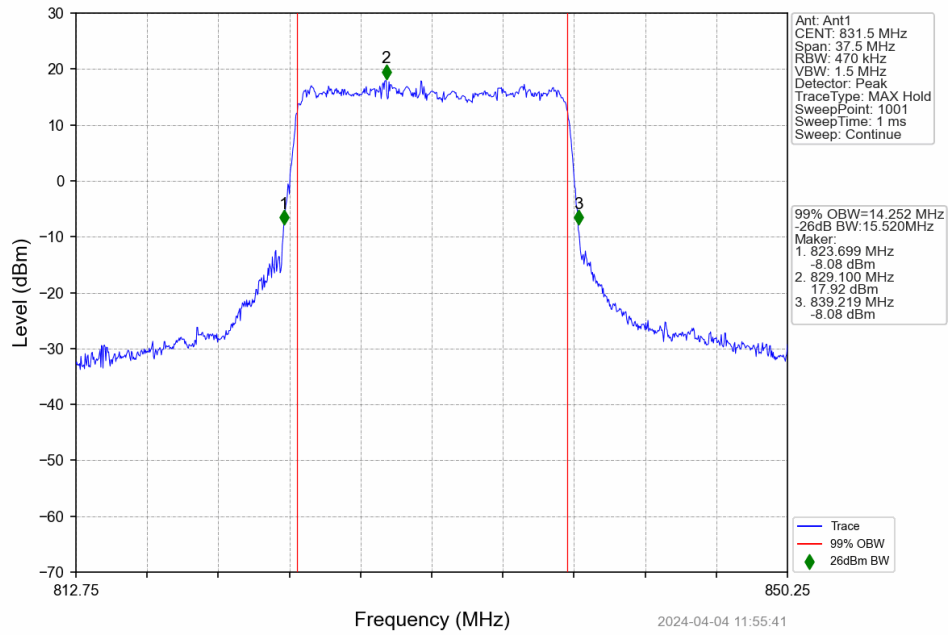
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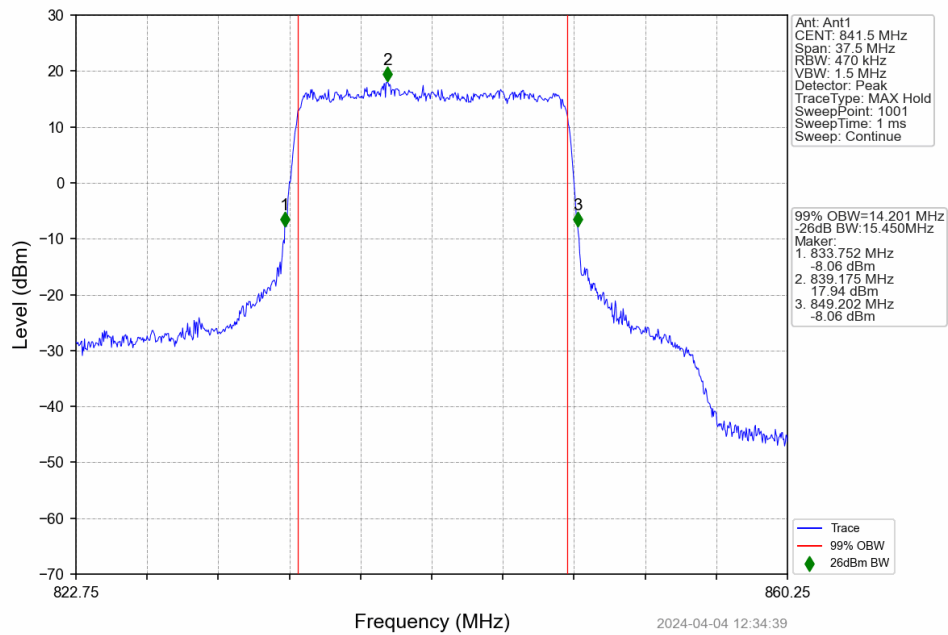
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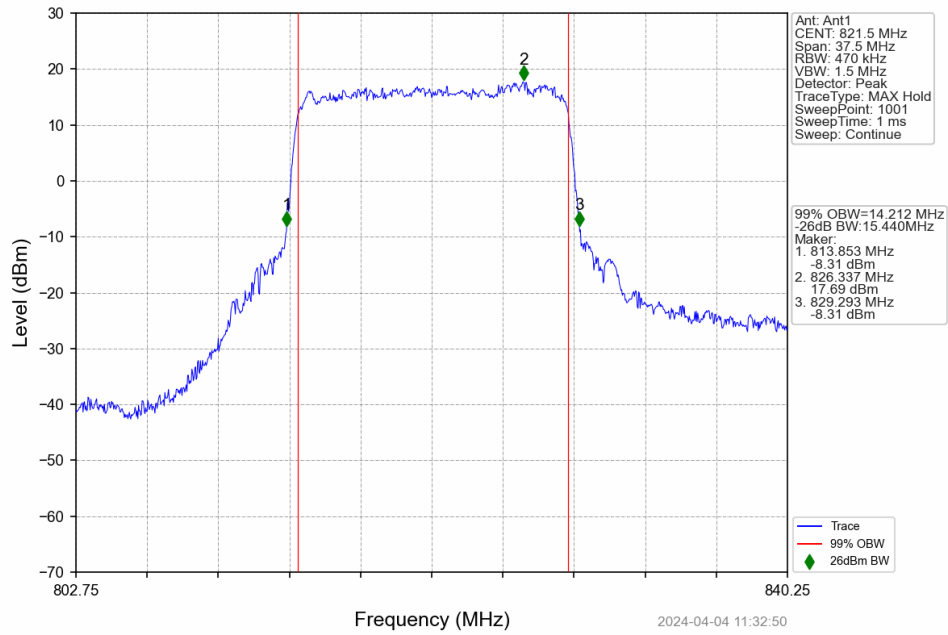
n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full



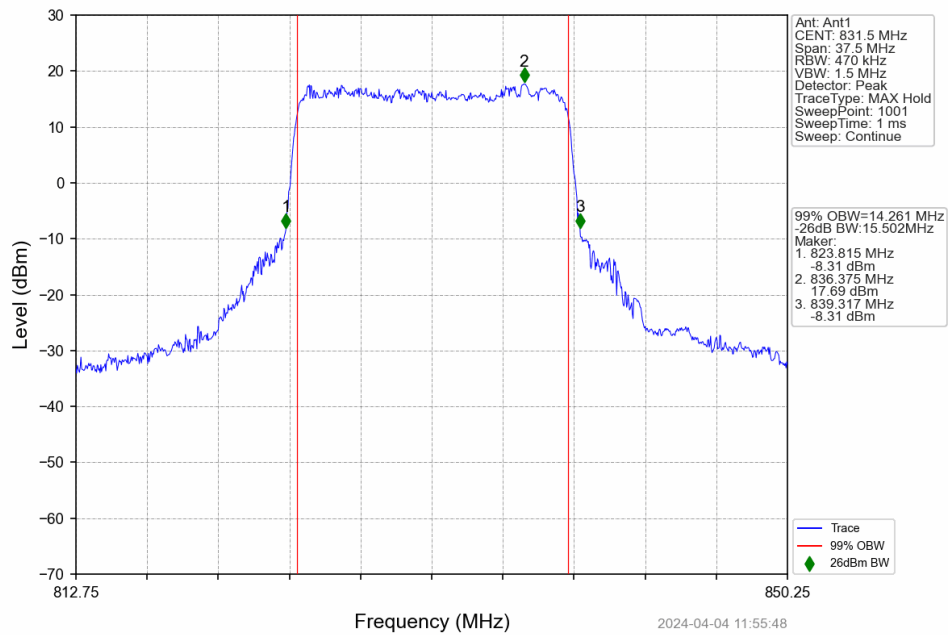
n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 841.5MHz Outer Full



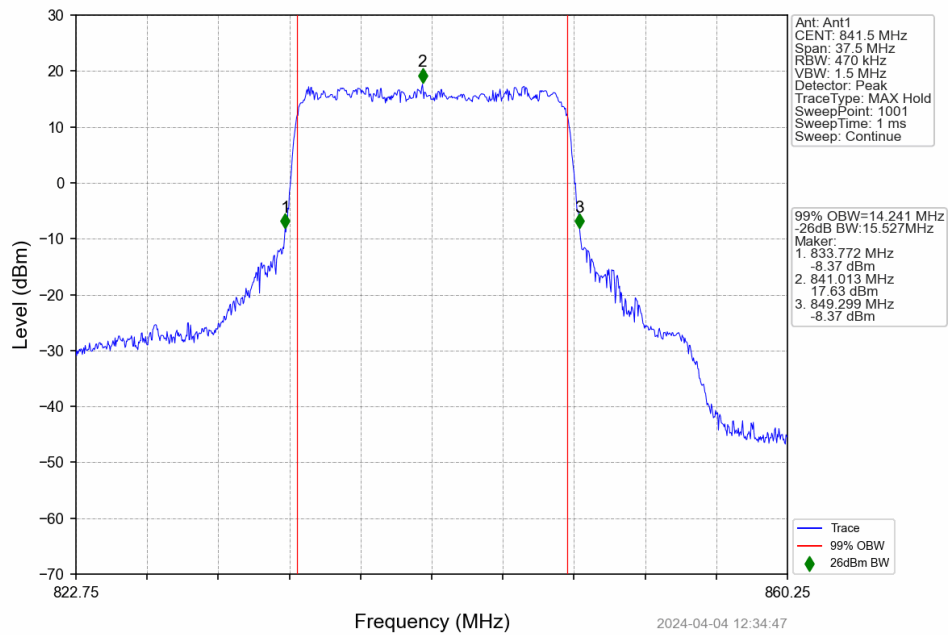
n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 821.5MHz Outer Full



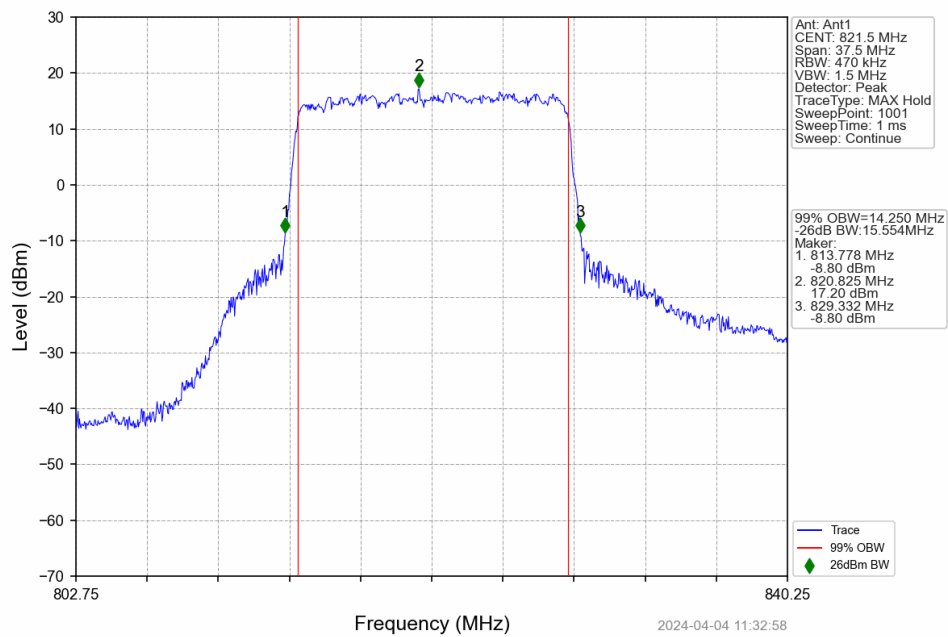
n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full



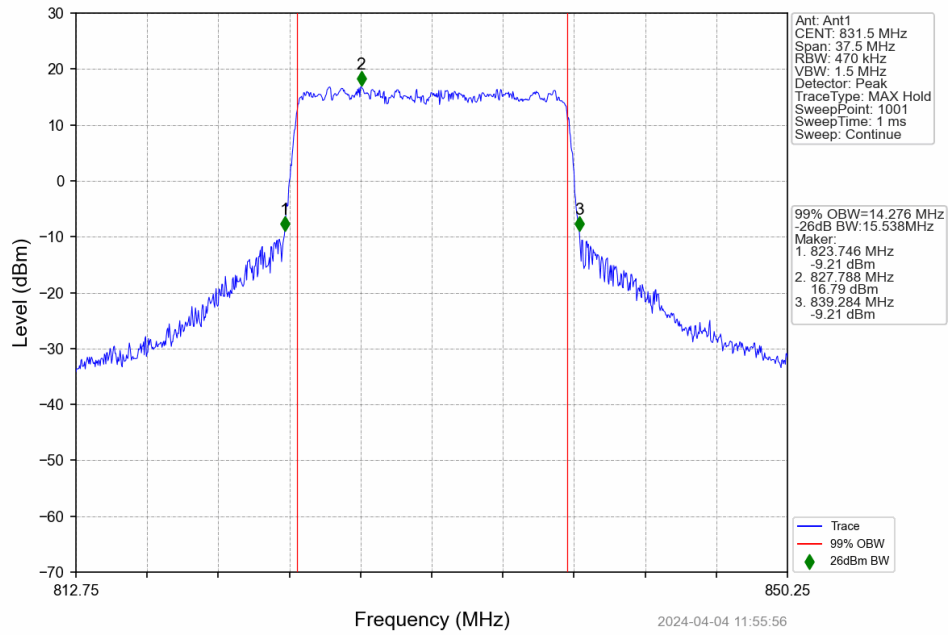
n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full



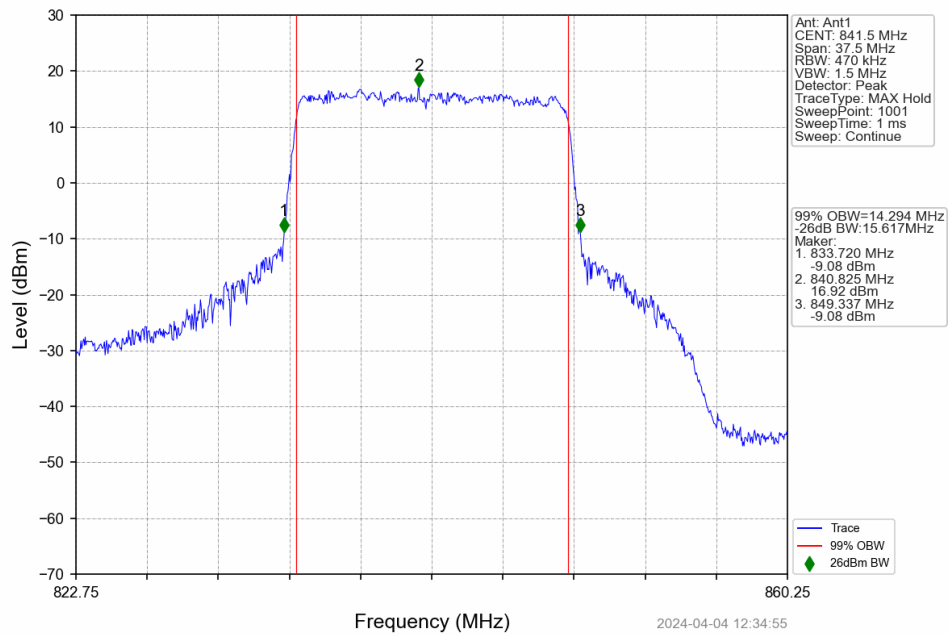
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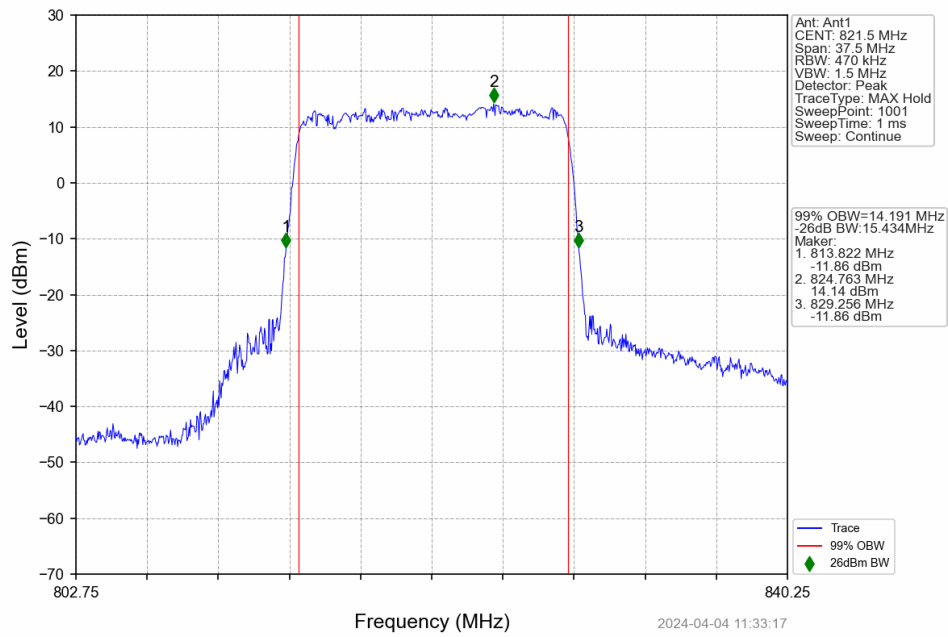
n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 831.5MHz Outer Full



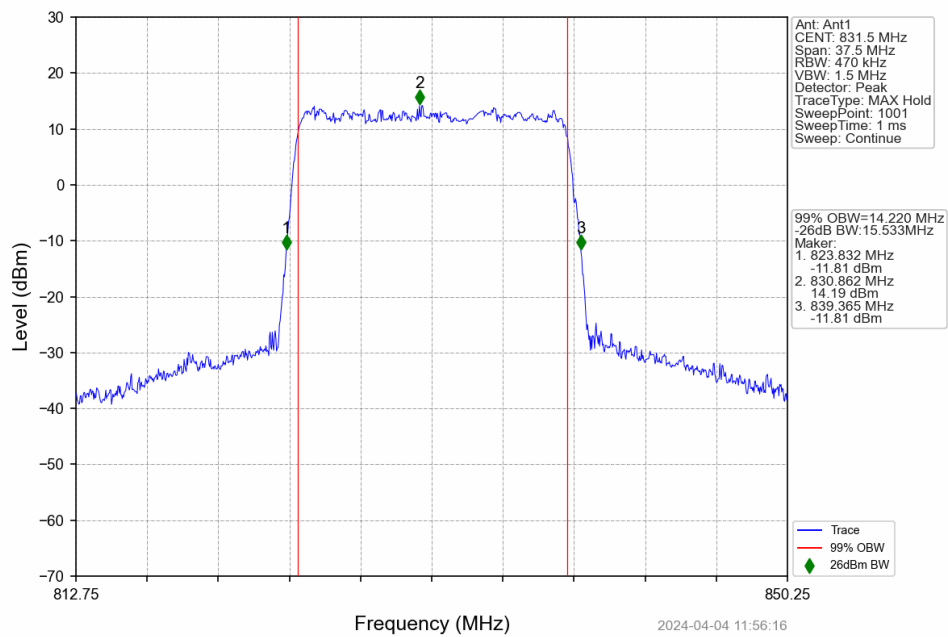
n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 841.5MHz Outer Full

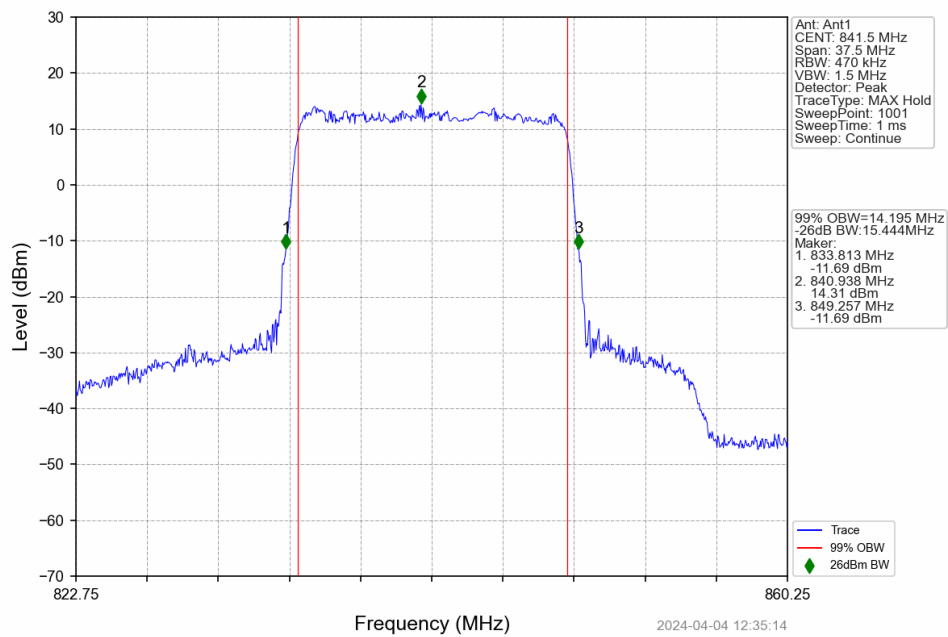


n26c 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 821.5MHz Outer Full



n26c 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 831.5MHz Outer Full





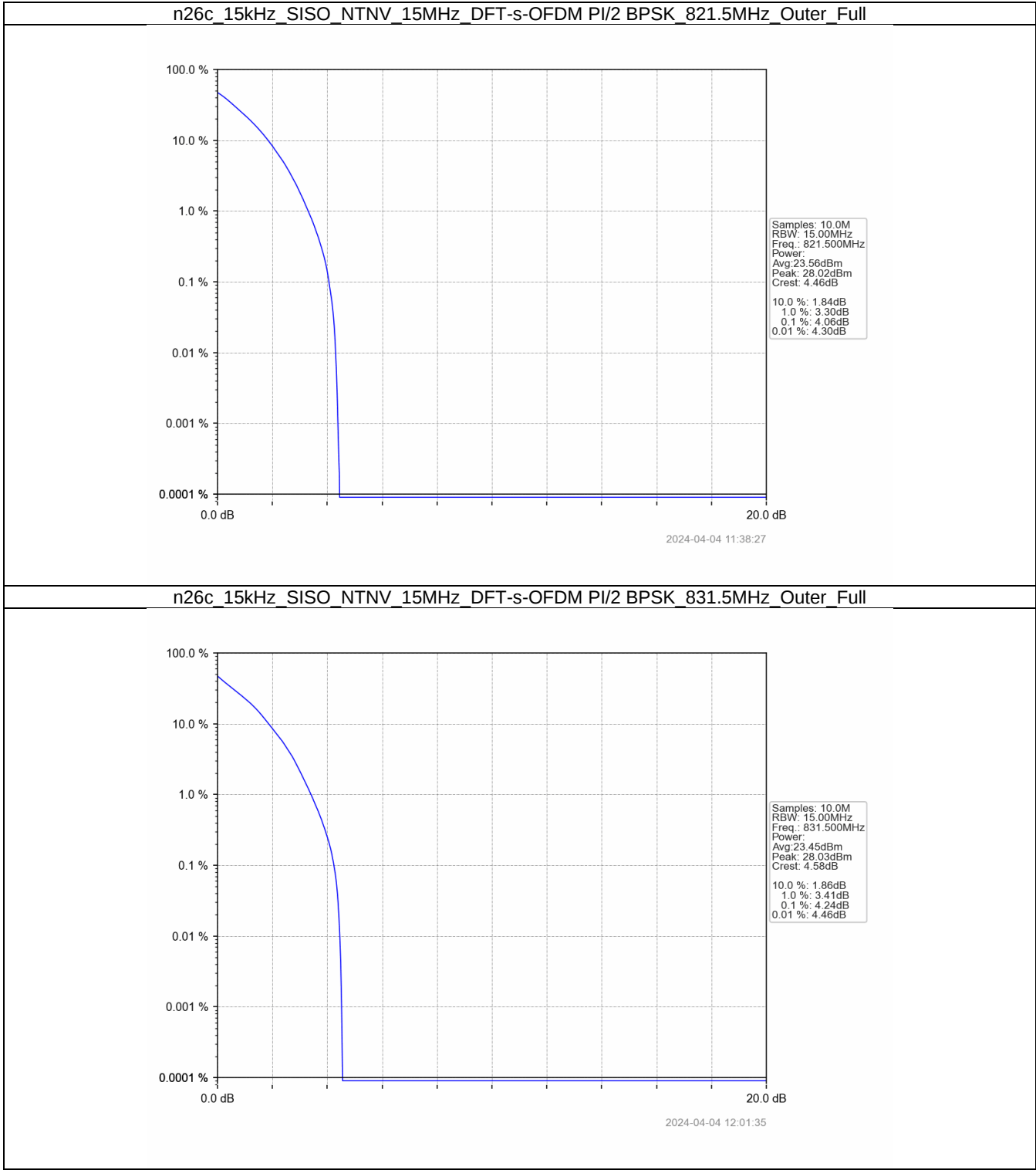
4. Peak-Average Ratio

4.1 15k_SISO_15MHz_NTNV

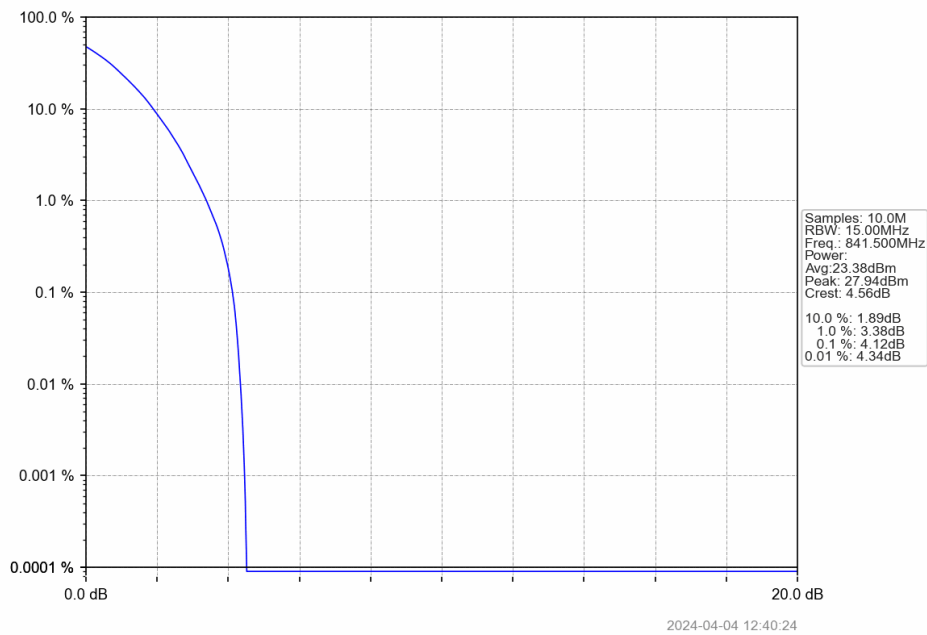
4.1.1 Test Result

5G NR n26c SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	821.5	Outer_Full	4.06	/	/	<=13	Pass
	831.5	Outer_Full	4.24	/	/	<=13	Pass
	841.5	Outer_Full	4.12	/	/	<=13	Pass
DFT-s-OFDM QPSK	821.5	Outer_Full	5.05	/	/	<=13	Pass
	831.5	Outer_Full	5.21	/	/	<=13	Pass
	841.5	Outer_Full	5.09	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	821.5	Outer_Full	5.98	/	/	<=13	Pass
	831.5	Outer_Full	6.09	/	/	<=13	Pass
	841.5	Outer_Full	5.97	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	821.5	Outer_Full	6.29	/	/	<=13	Pass
	831.5	Outer_Full	6.43	/	/	<=13	Pass
	841.5	Outer_Full	6.41	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	821.5	Outer_Full	6.75	/	/	<=13	Pass
	831.5	Outer_Full	6.76	/	/	<=13	Pass
	841.5	Outer_Full	6.74	/	/	<=13	Pass
CP-OFDM QPSK	821.5	Outer_Full	7.13	/	/	<=13	Pass
	831.5	Outer_Full	7.24	/	/	<=13	Pass
	841.5	Outer_Full	7.19	/	/	<=13	Pass
CP-OFDM 16 QAM	821.5	Outer_Full	7.16	/	/	<=13	Pass
	831.5	Outer_Full	7.26	/	/	<=13	Pass
	841.5	Outer_Full	7.28	/	/	<=13	Pass
CP-OFDM 64 QAM	821.5	Outer_Full	7.73	/	/	<=13	Pass
	831.5	Outer_Full	7.88	/	/	<=13	Pass
	841.5	Outer_Full	7.86	/	/	<=13	Pass
CP-OFDM 256 QAM	821.5	Outer_Full	8.53	/	/	<=13	Pass
	831.5	Outer_Full	8.52	/	/	<=13	Pass
	841.5	Outer_Full	8.58	/	/	<=13	Pass

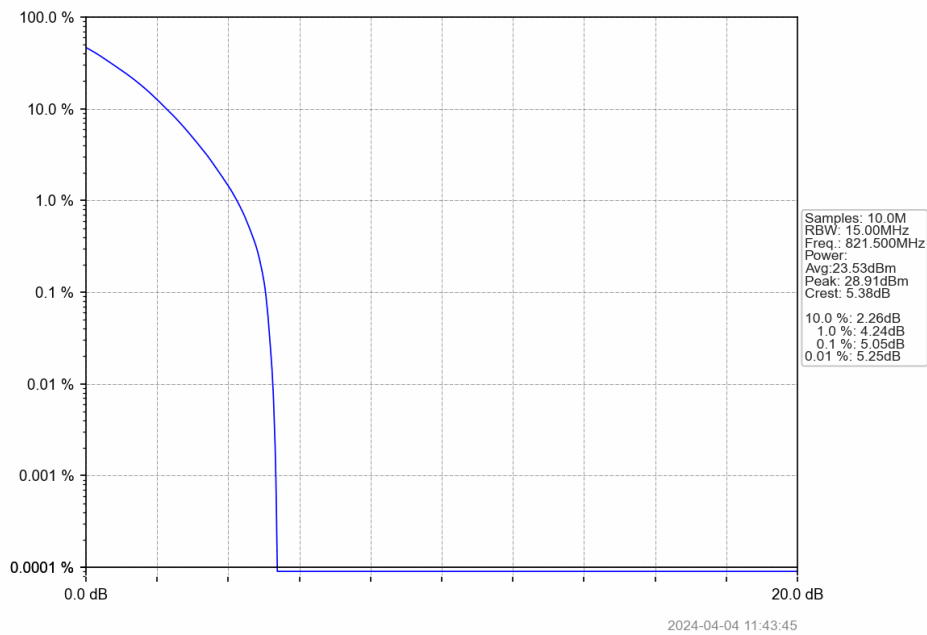
4.1.2 Test Graph



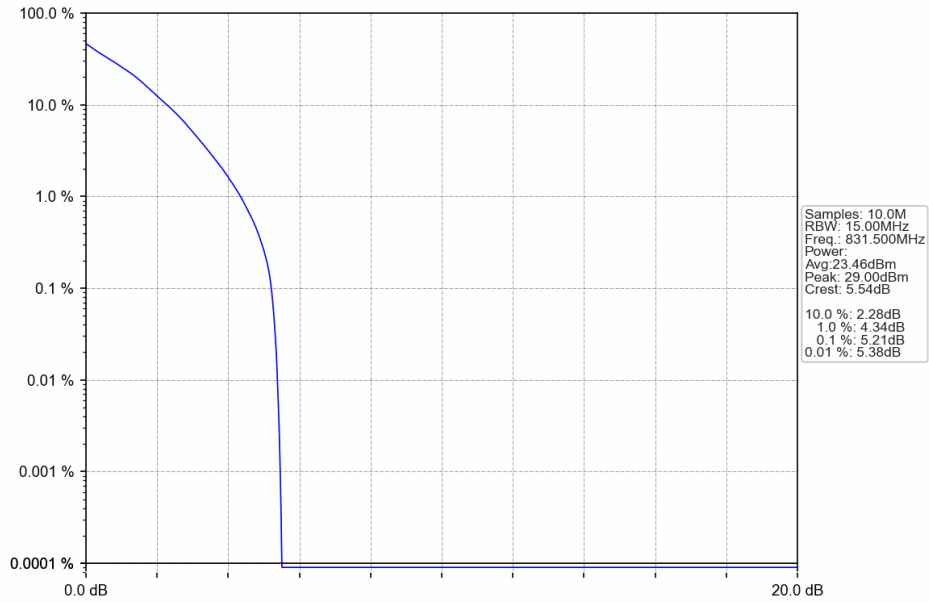
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Outer Full



n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Outer Full

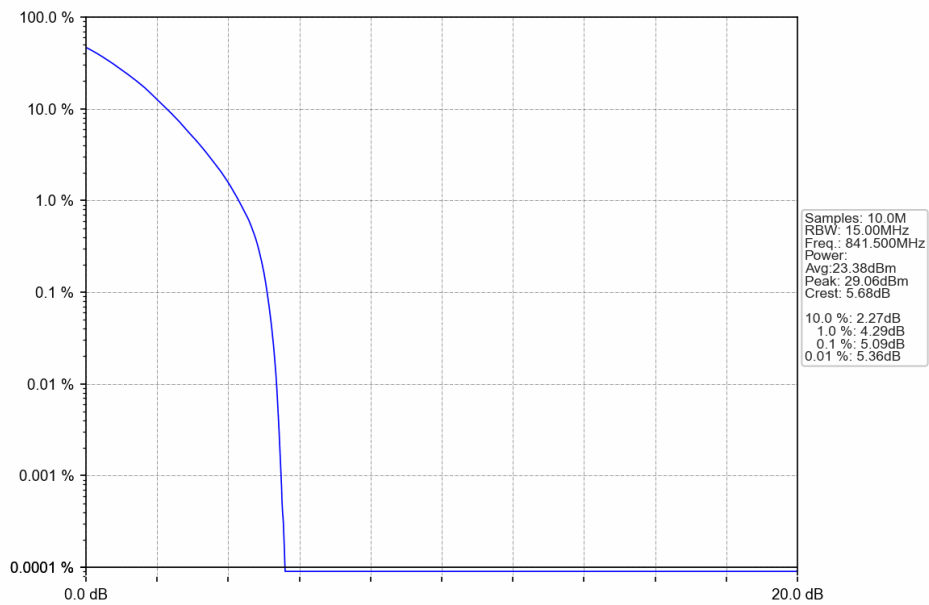


n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 831.5MHz Outer Full



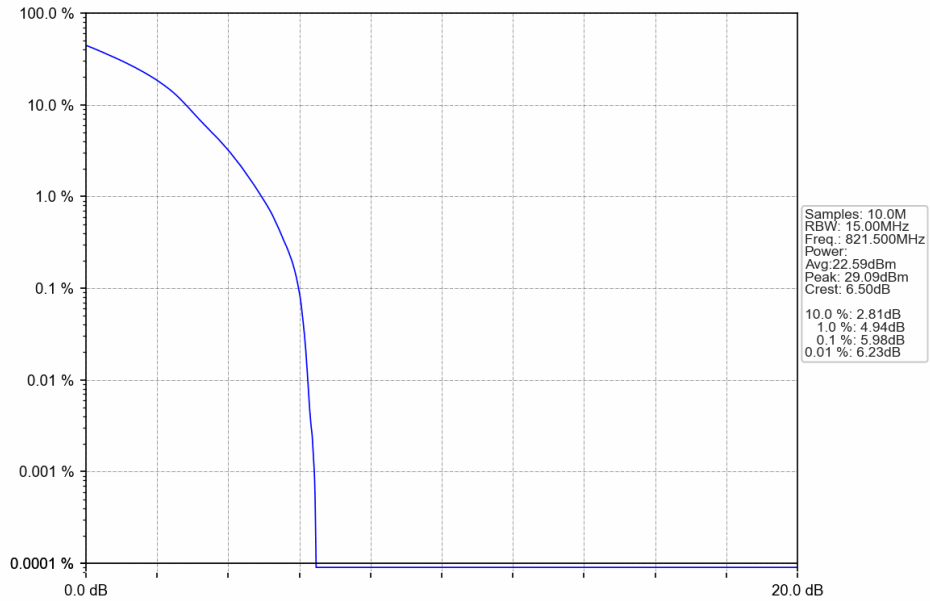
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full



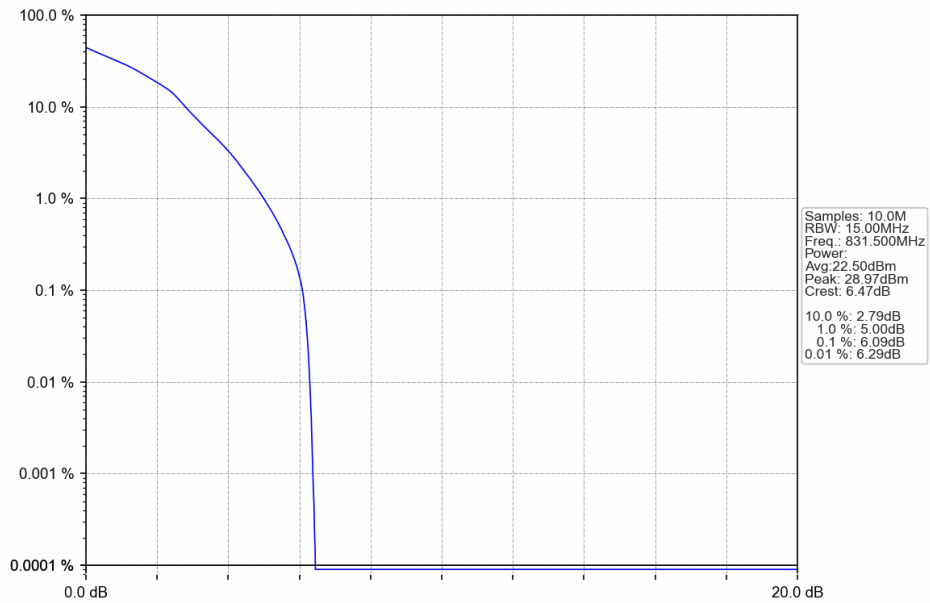
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 821.5MHz Outer Full



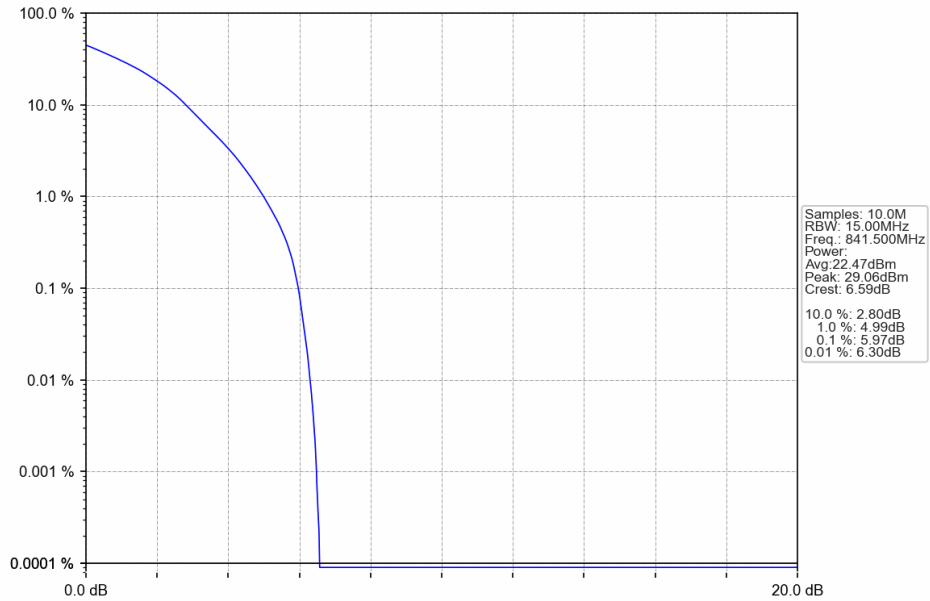
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full



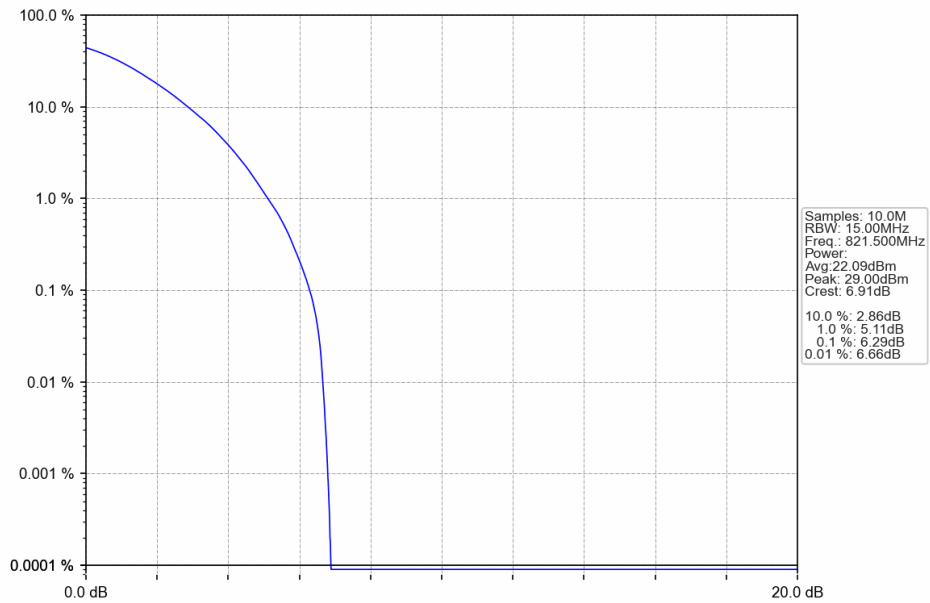
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full



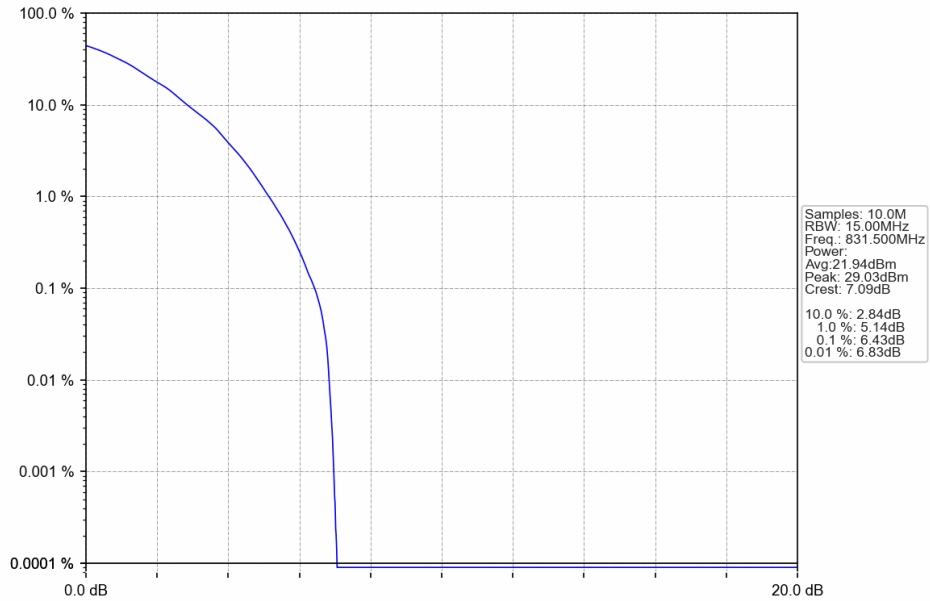
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 821.5MHz Outer Full



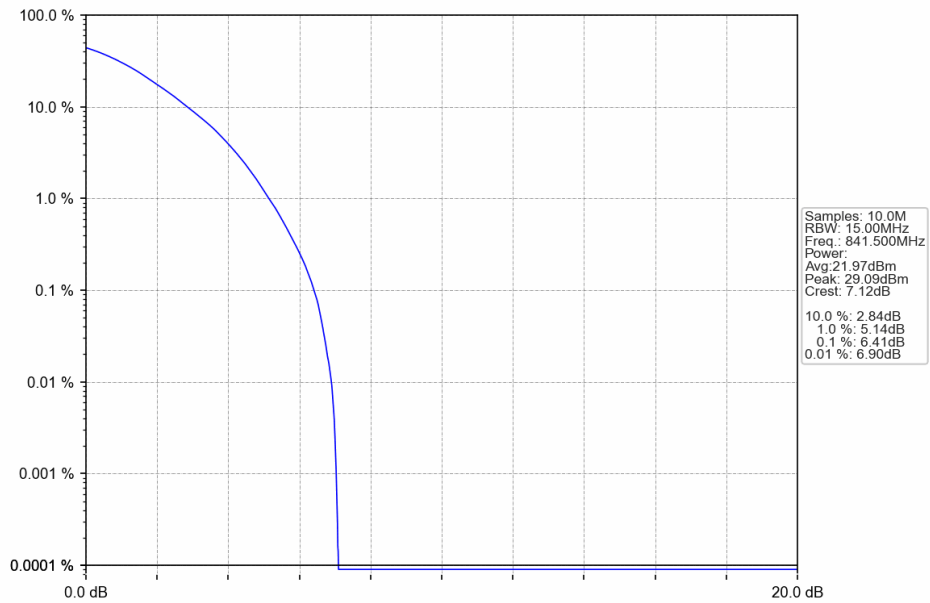
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full



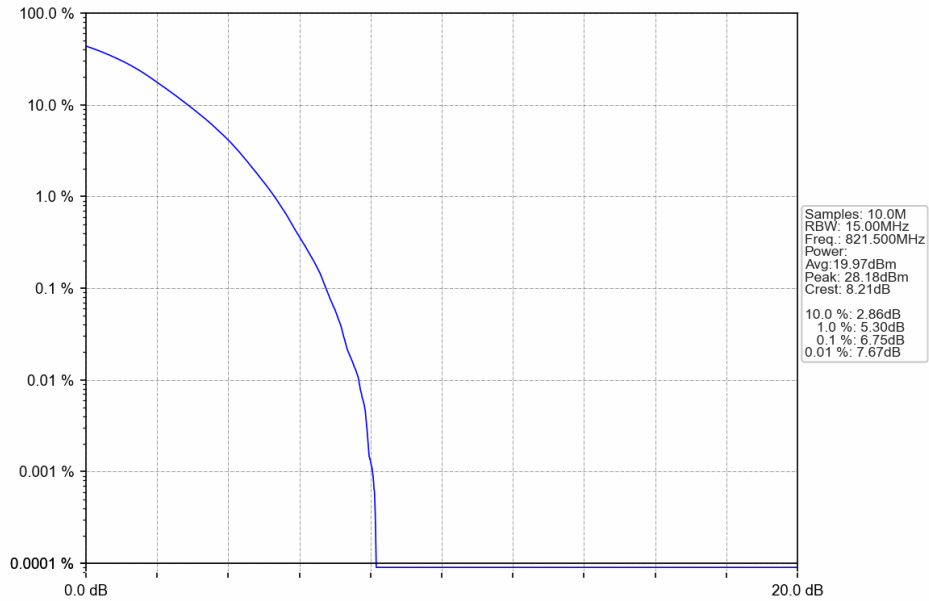
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 841.5MHz Outer Full



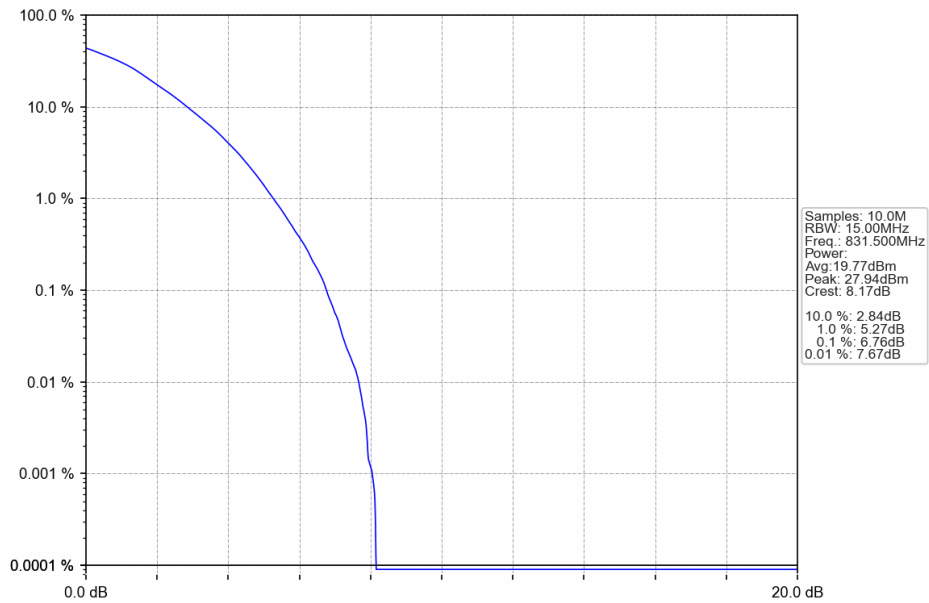
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 821.5MHz Outer Full



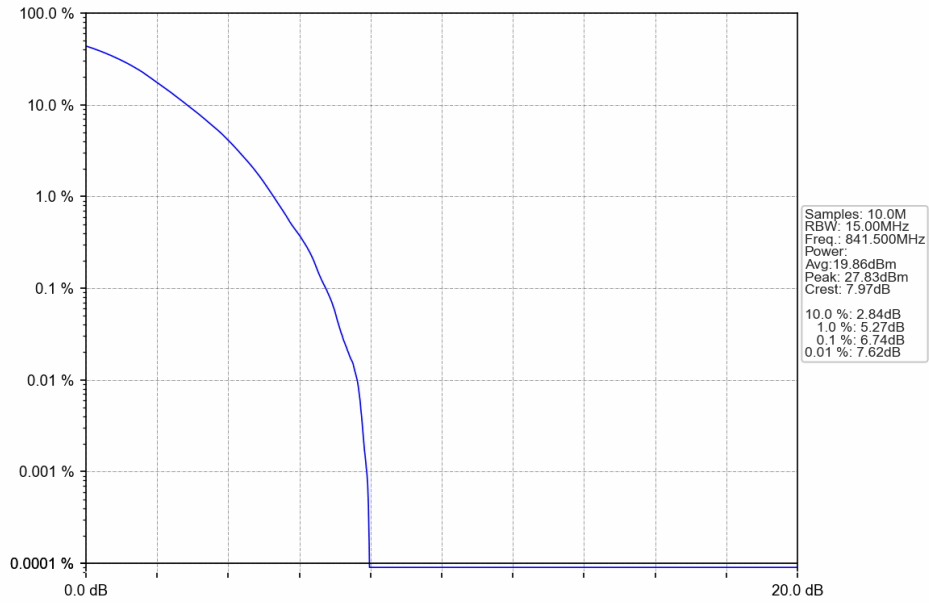
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 831.5MHz Outer Full



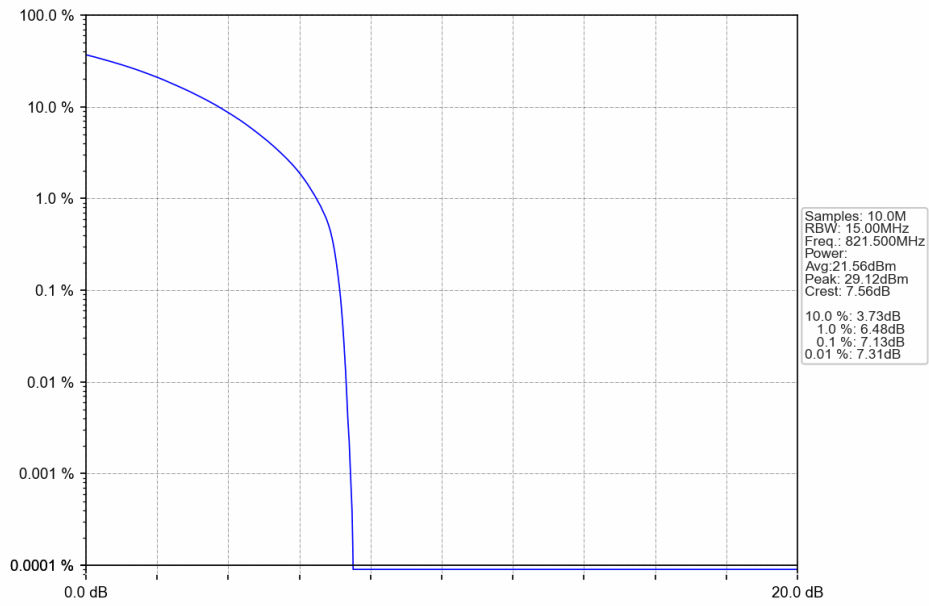
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n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 841.5MHz Outer Full



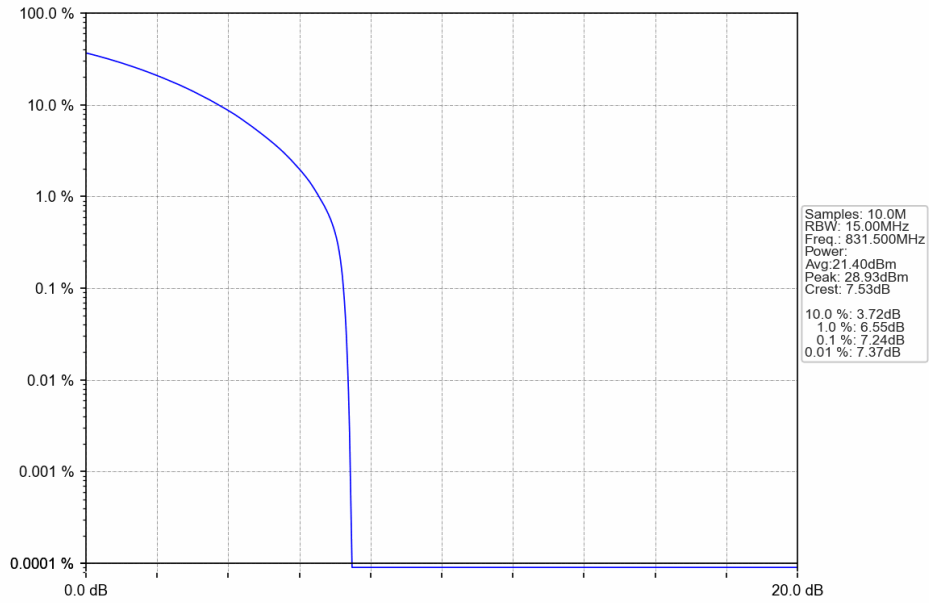
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n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 821.5MHz Outer Full



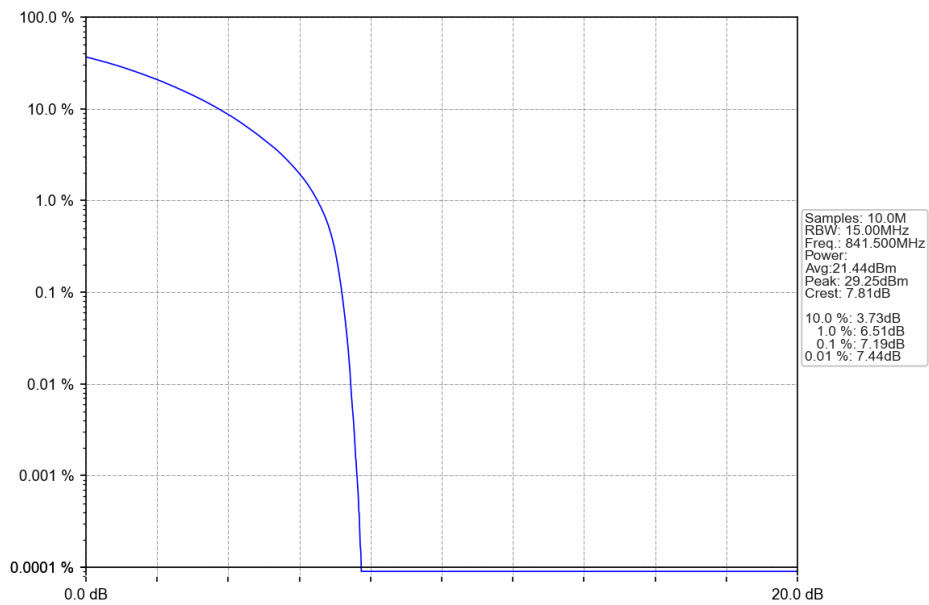
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n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full



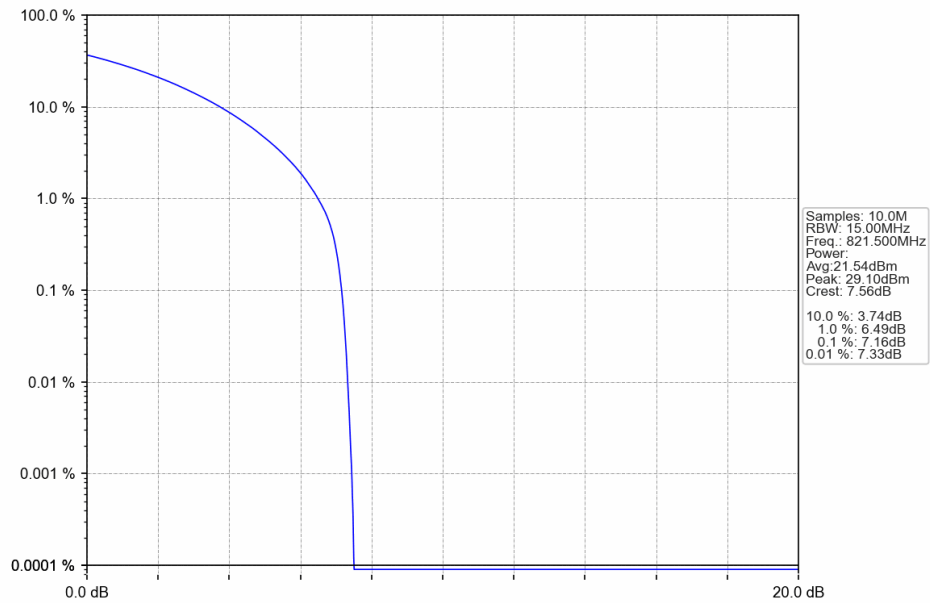
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n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 841.5MHz Outer Full



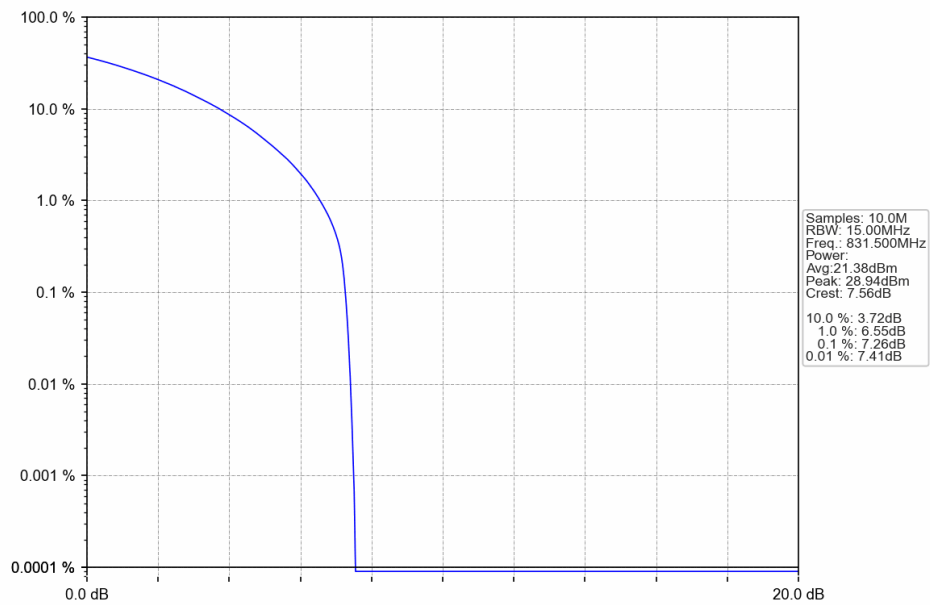
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n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 821.5MHz Outer Full



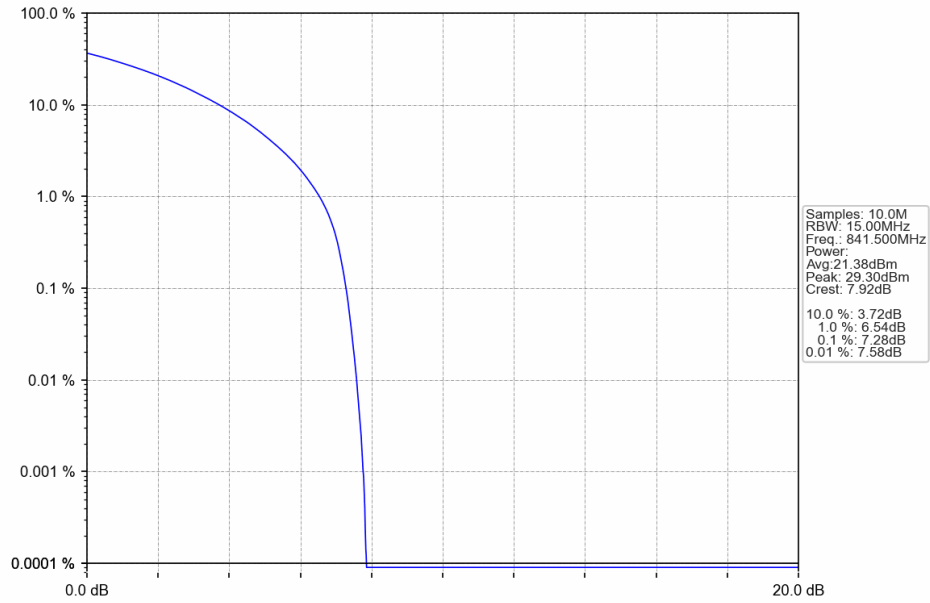
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n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full



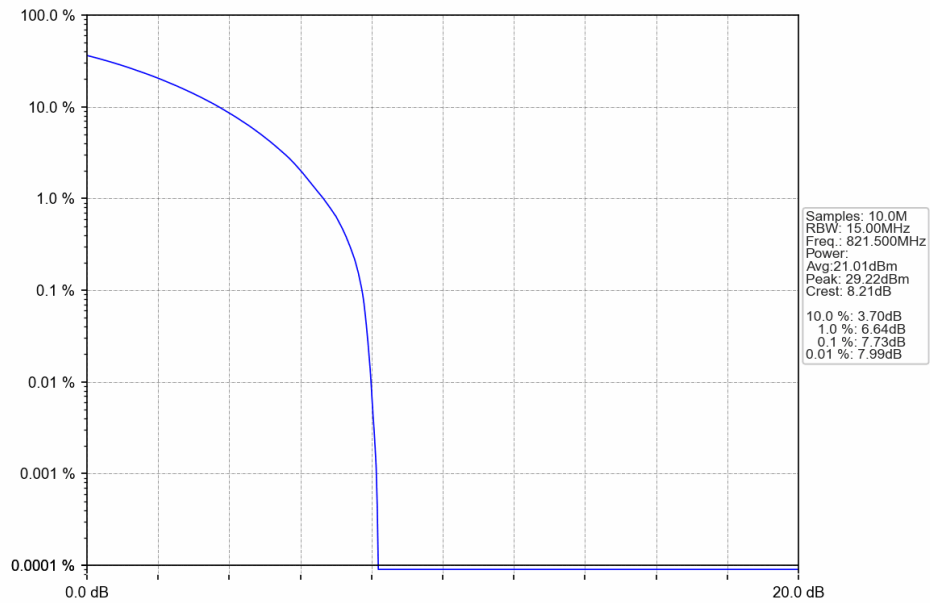
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n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full



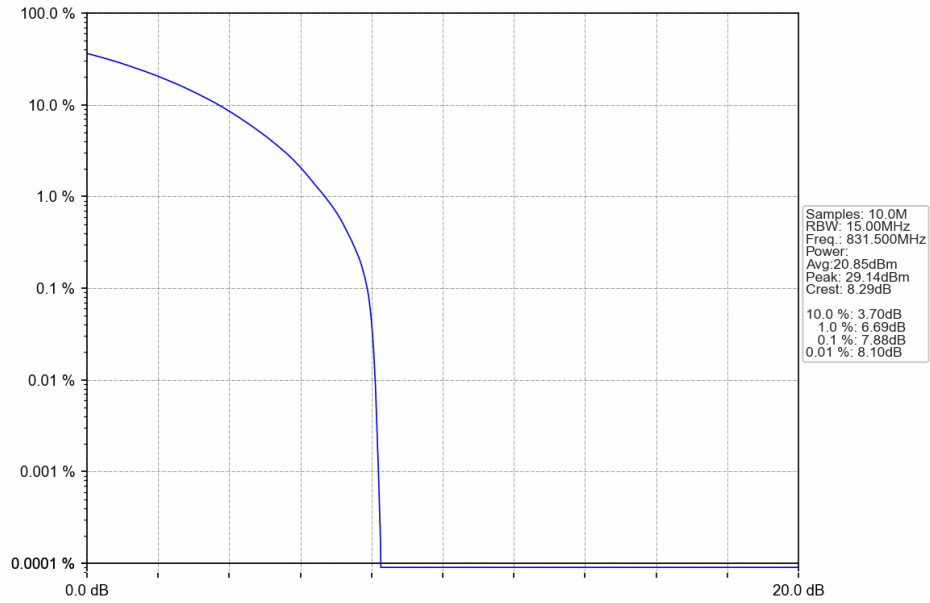
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n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 821.5MHz Outer Full



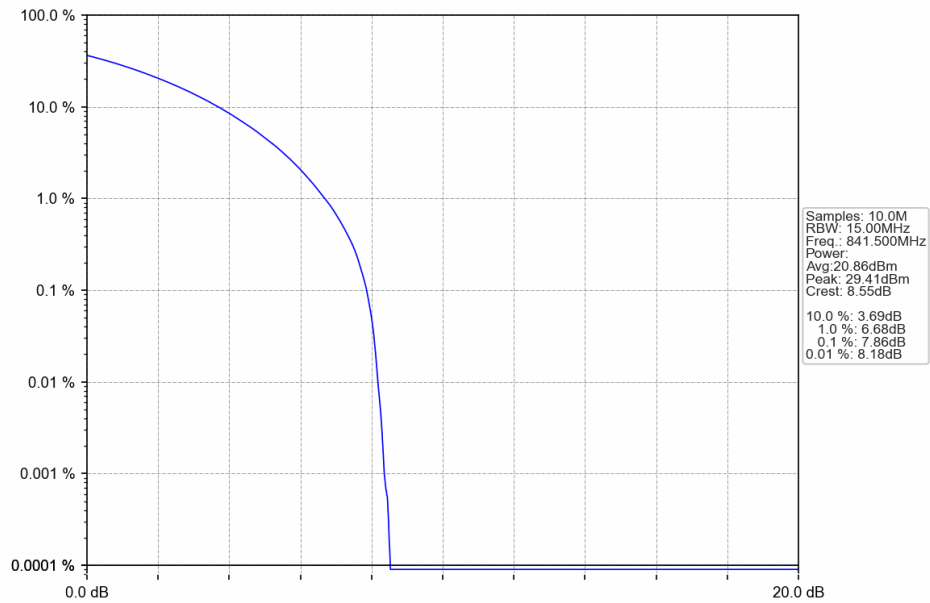
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n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 831.5MHz Outer Full



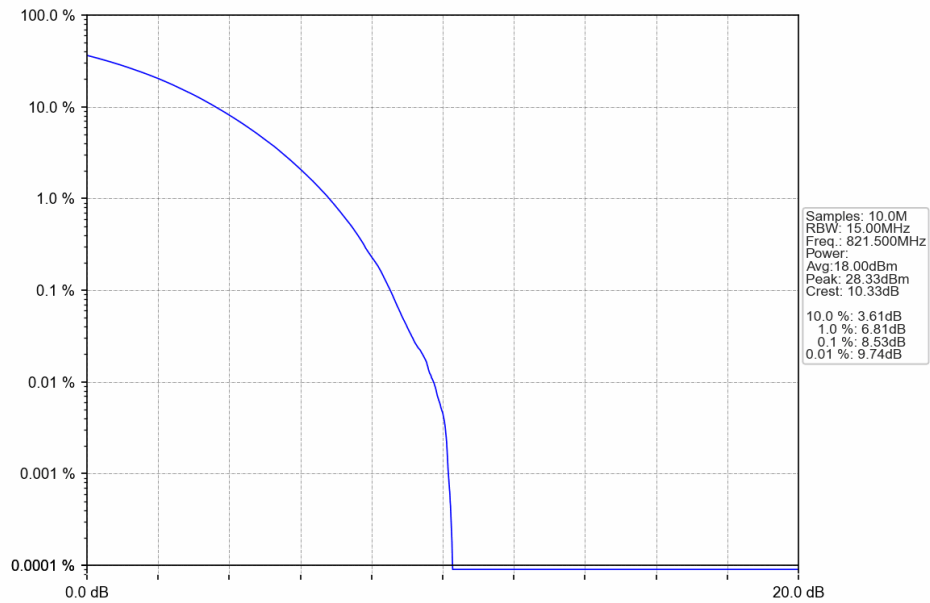
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n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 841.5MHz Outer Full



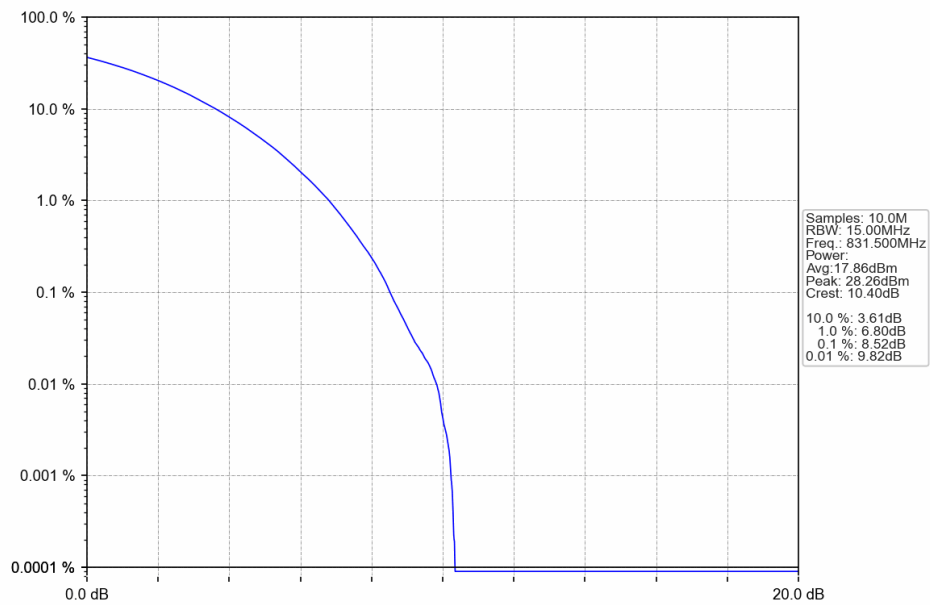
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n26c 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 821.5MHz Outer Full



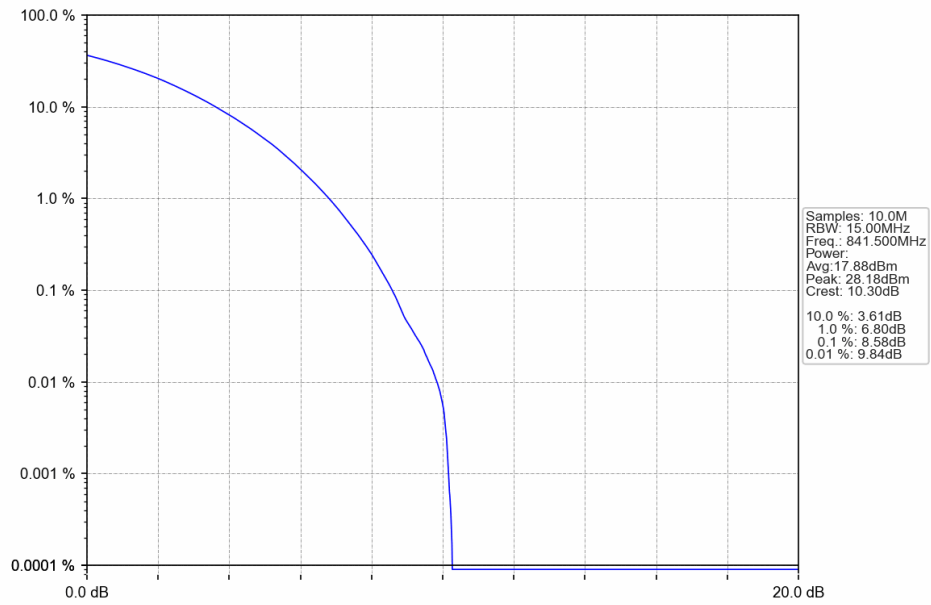
2024-04-04 11:53:48

n26c 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 831.5MHz Outer Full



2024-04-04 12:32:57

n26c 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 841.5MHz Outer Full



2024-04-04 12:55:49

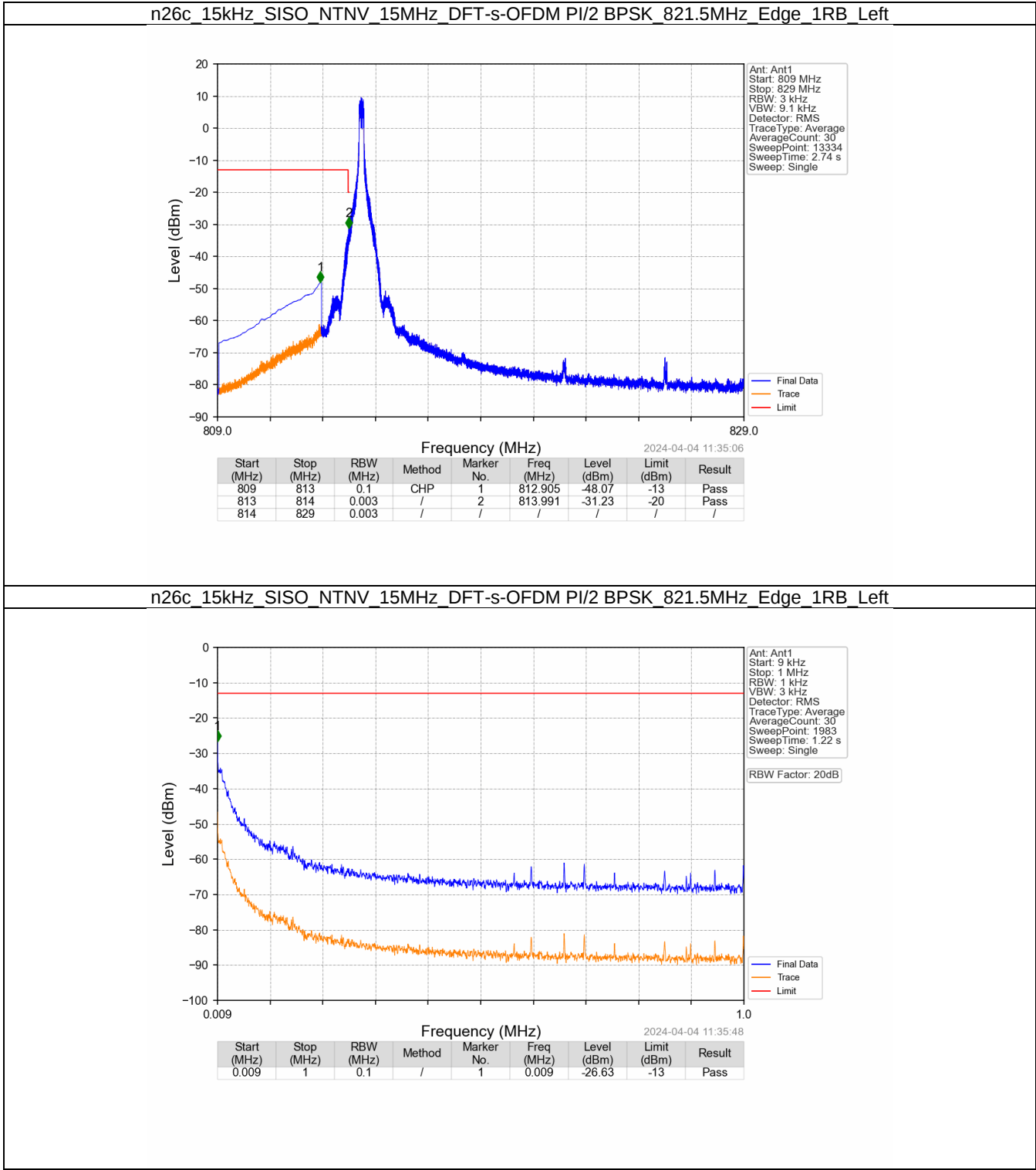
5. Spurious Emission

5.1 15k_SISO_15MHz_NTNV

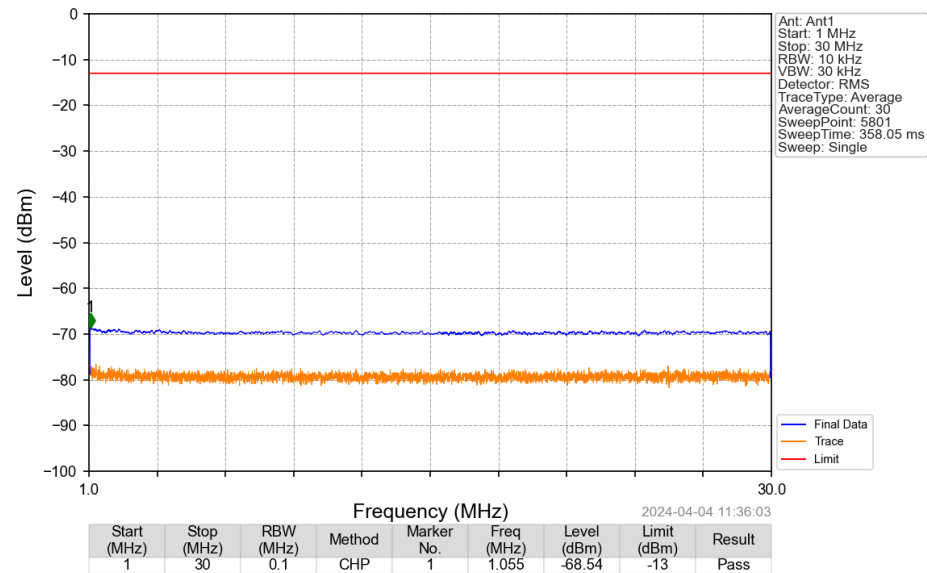
5.1.1 Test Result

5G NR n26c SCS=15kHz SISO 15MHz NTNv								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	821.5	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	831.5	Edge_1RB_Left	Refer To Test Graph				Pass	
		841.5	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
	Inner_1RB_Right		Refer To Test Graph				Pass	
	DFT-s-OFDM QPSK	821.5	Edge_1RB_Left	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Left			Refer To Test Graph				Pass	
831.5		Edge_1RB_Left	Refer To Test Graph				Pass	
		841.5	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Right	Refer To Test Graph				Pass			

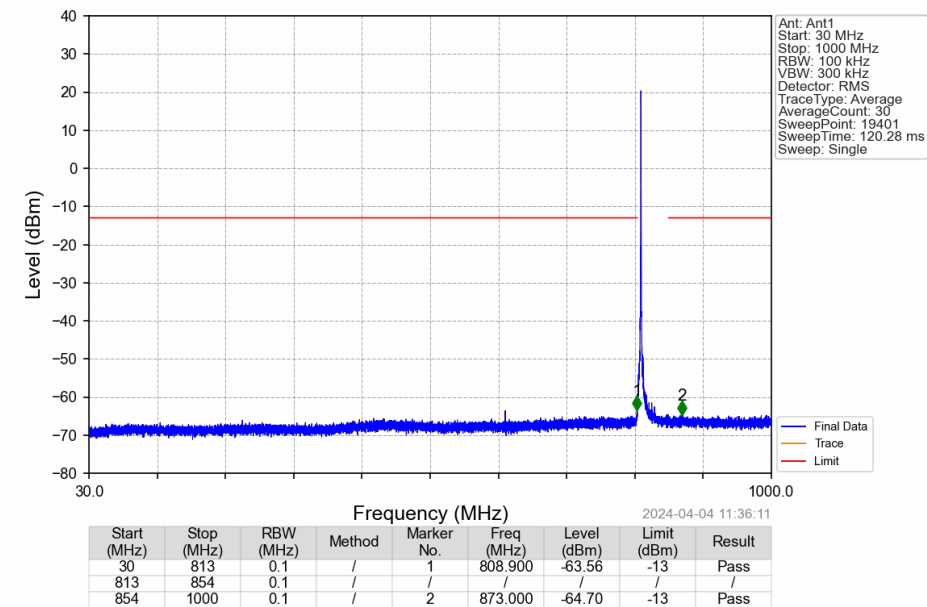
5.1.2 Test Graph



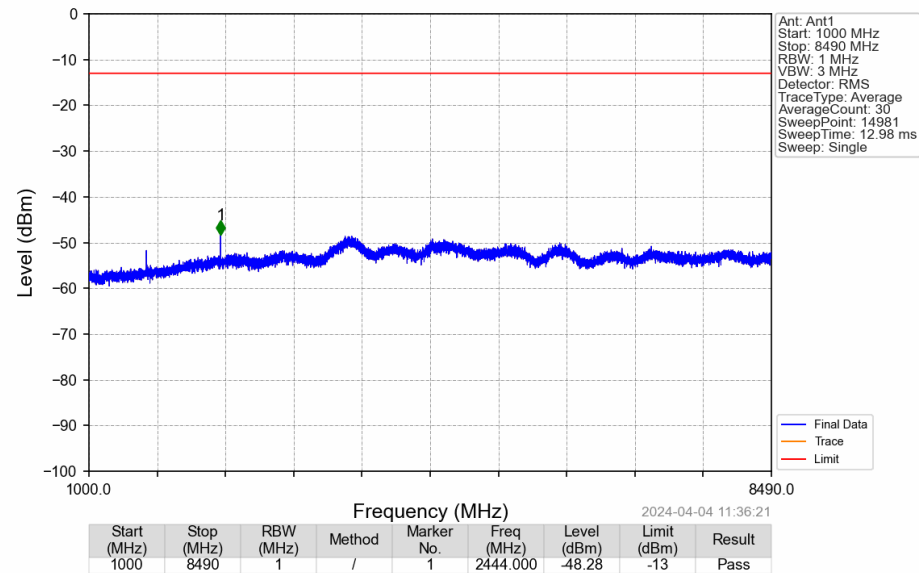
n26c 15kHz SISO NTNv 15MHz DFT-s-OFDM PI/2 BPSK 821.5MHz Edge 1RB Left



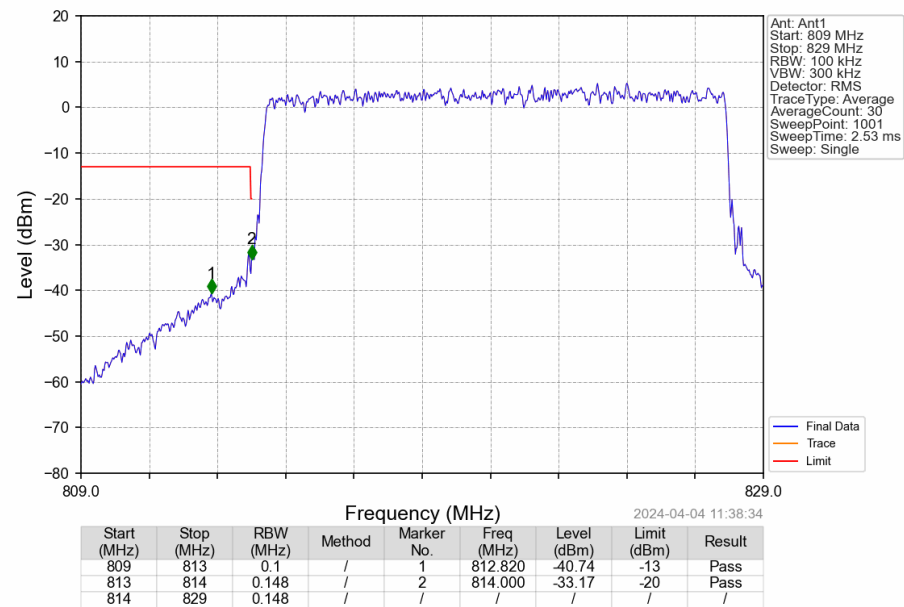
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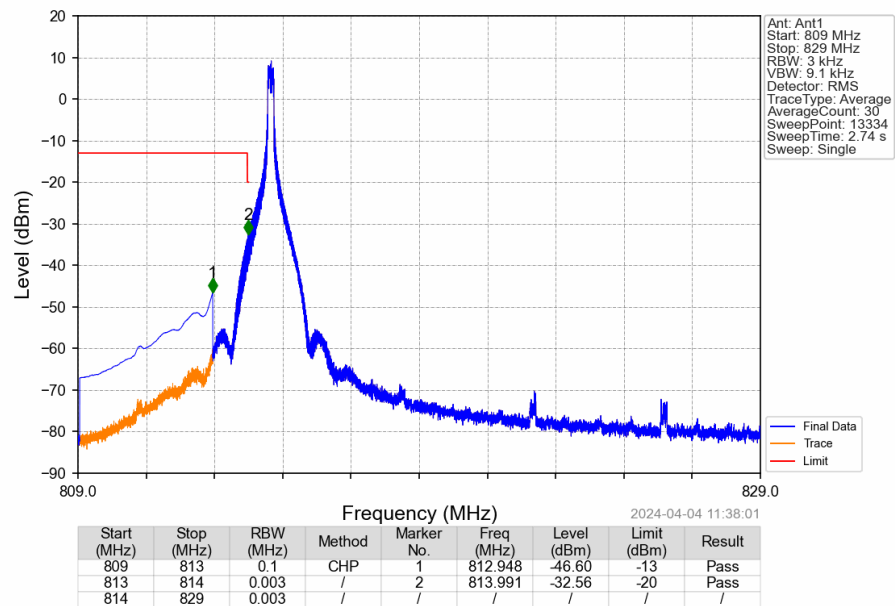
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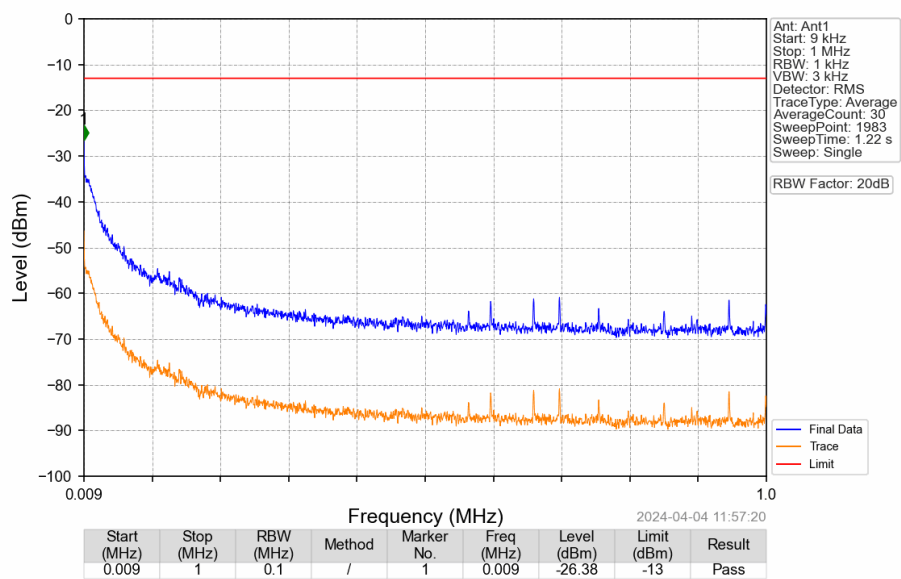
n26c 15kHz SISO NTNv 15MHz DFT-s-OFDM PI/2 BPSK 821.5MHz Outer Full



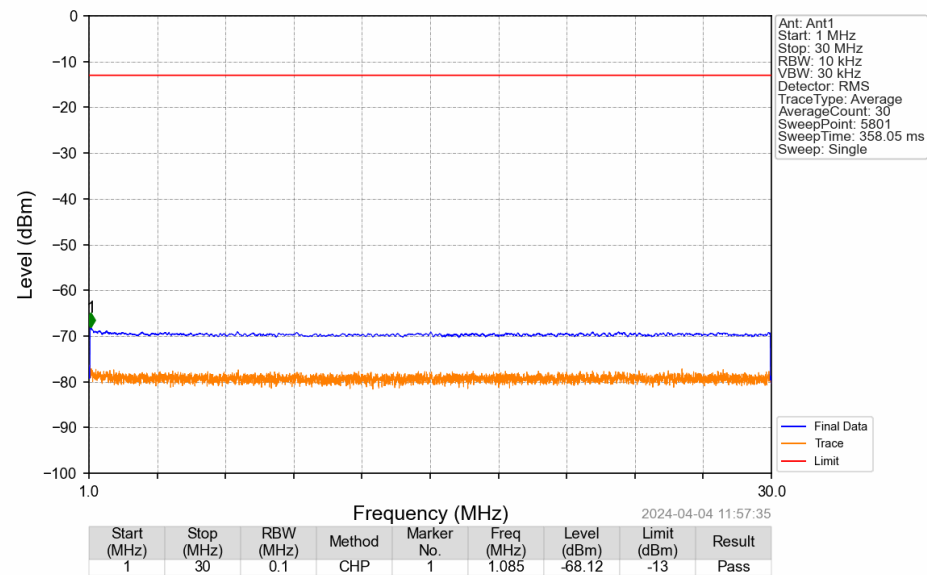
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 821.5MHz Inner 1RB Left



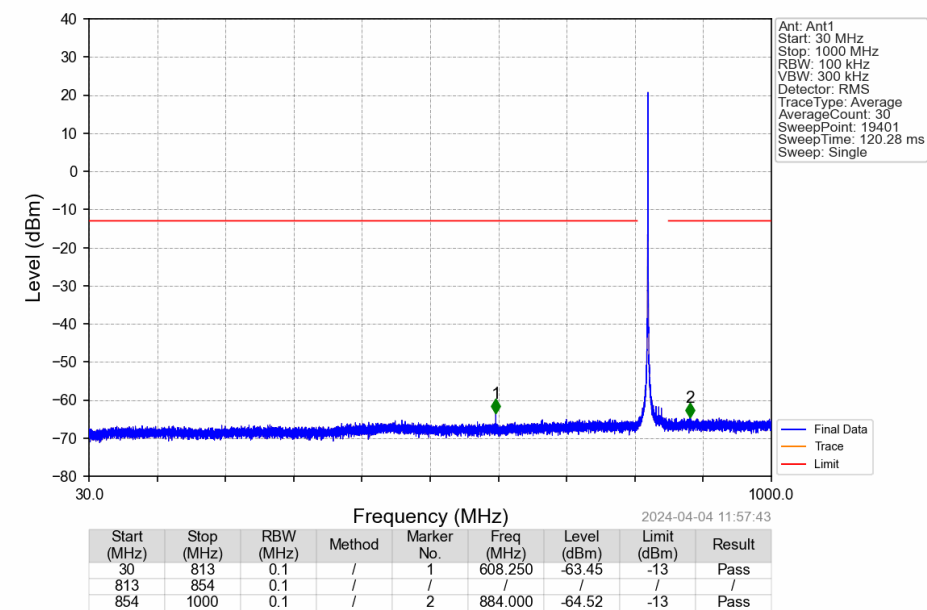
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 831.5MHz Edge 1RB Left



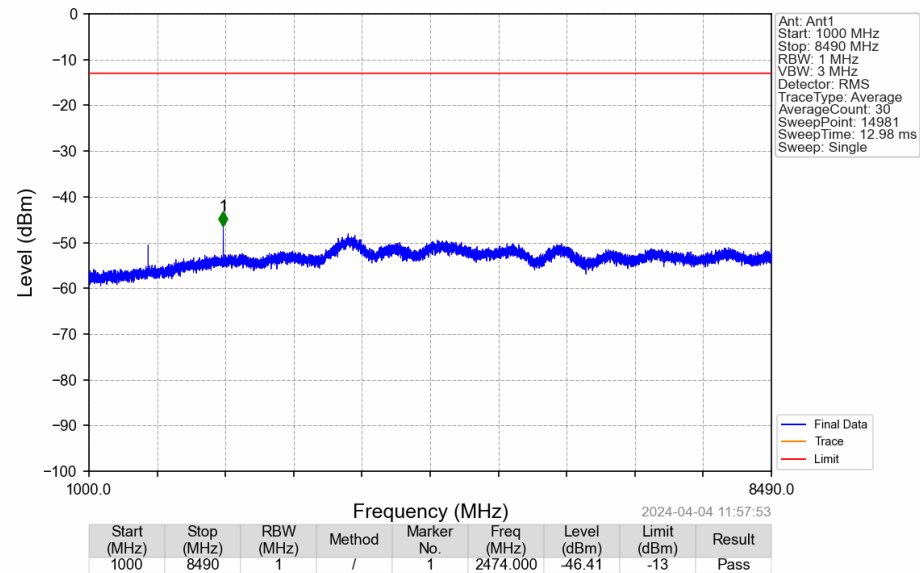
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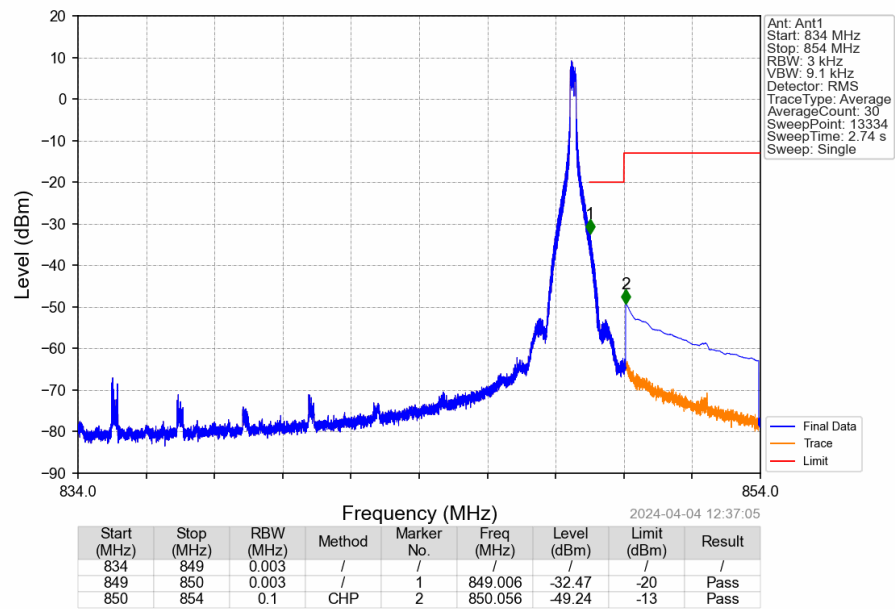
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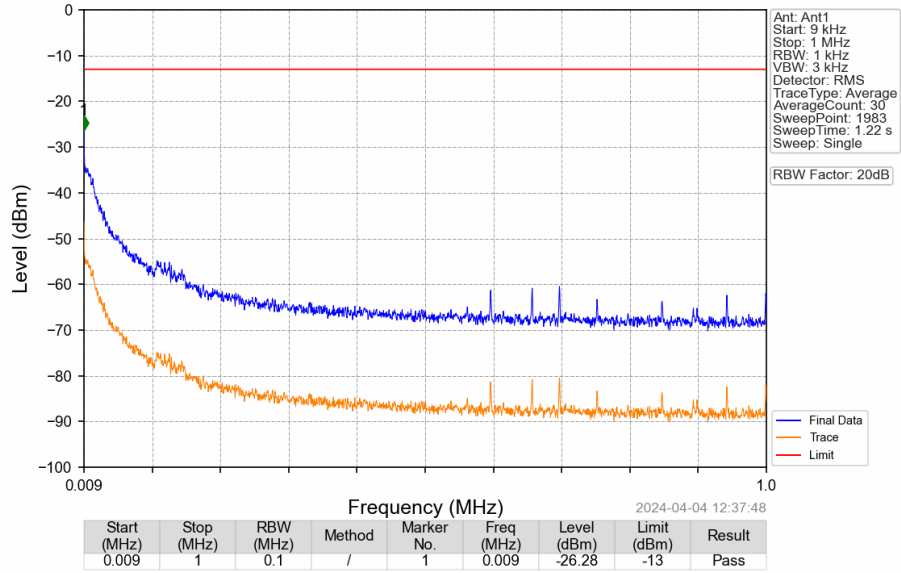
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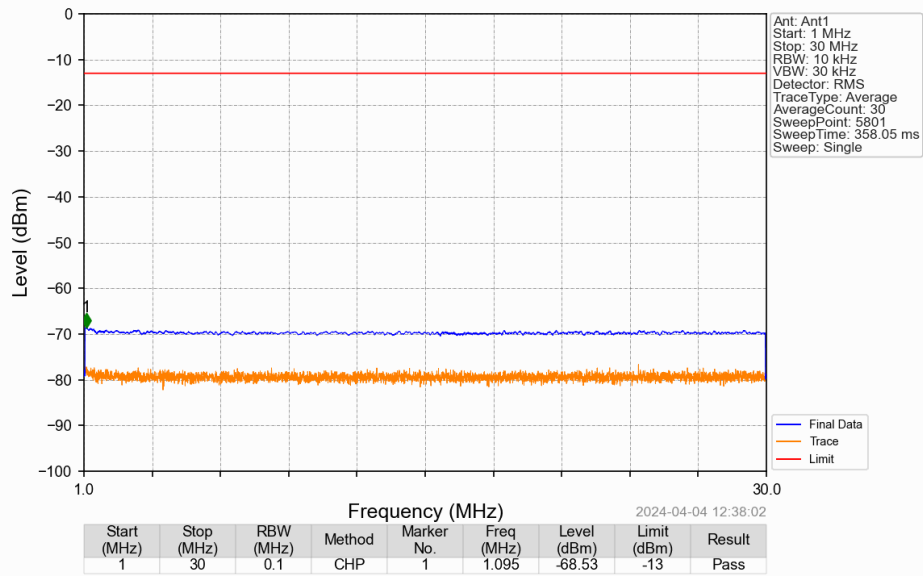
n26c 15kHz SISO NTNv 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Edge 1RB Right



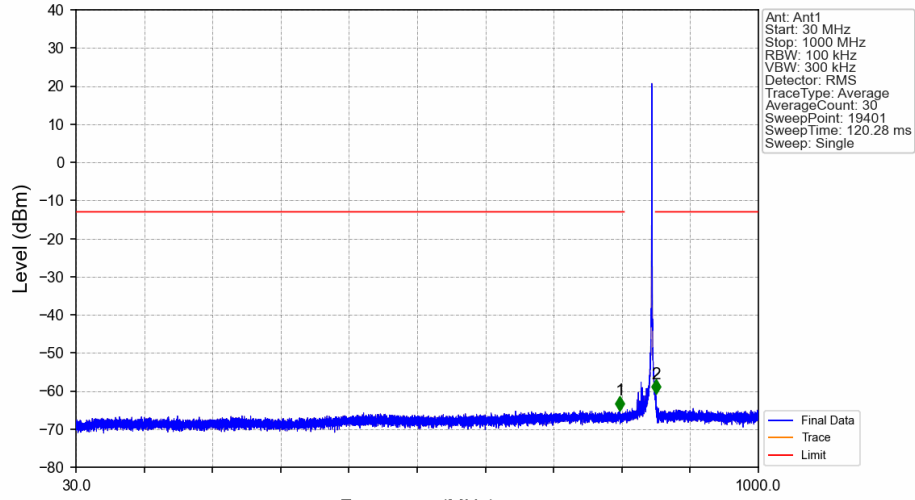
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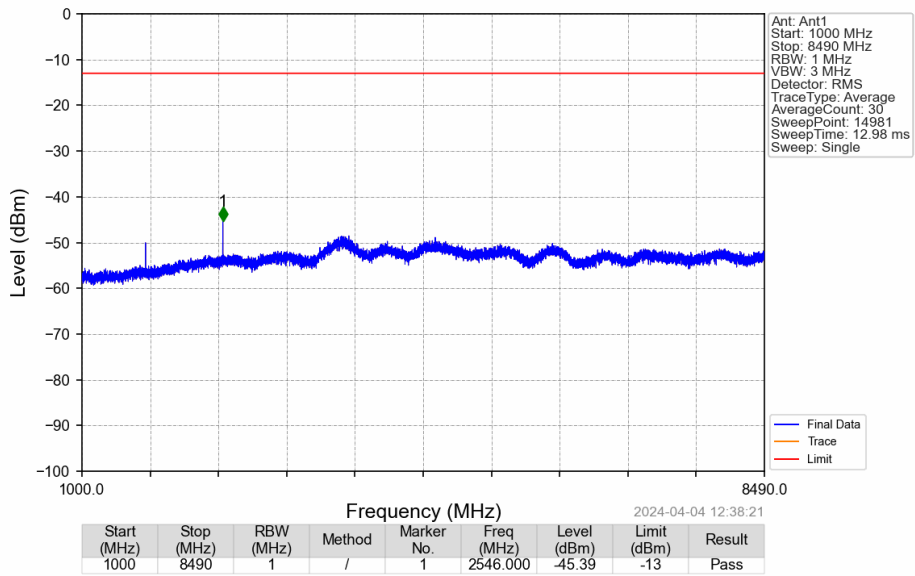
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Edge 1RB Right



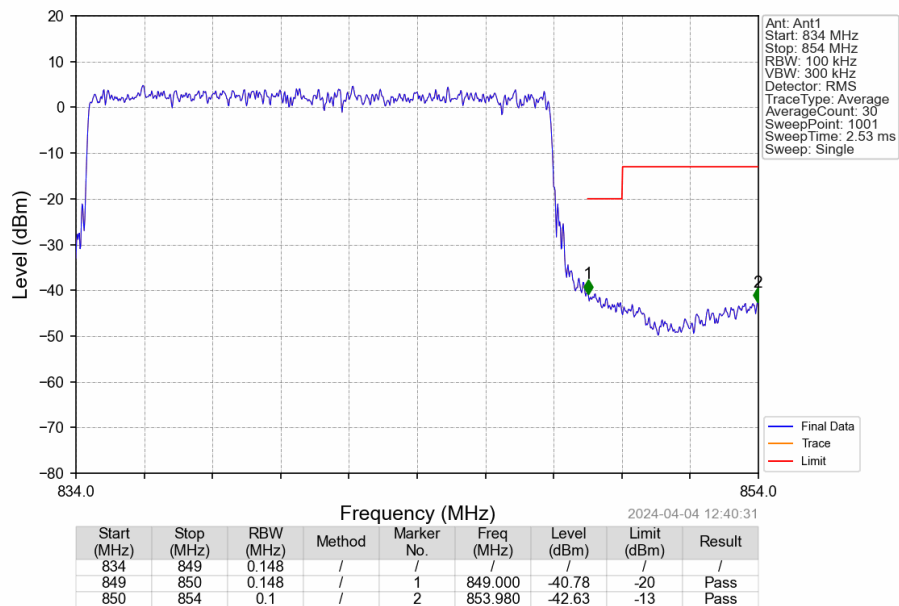
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Edge 1RB Right



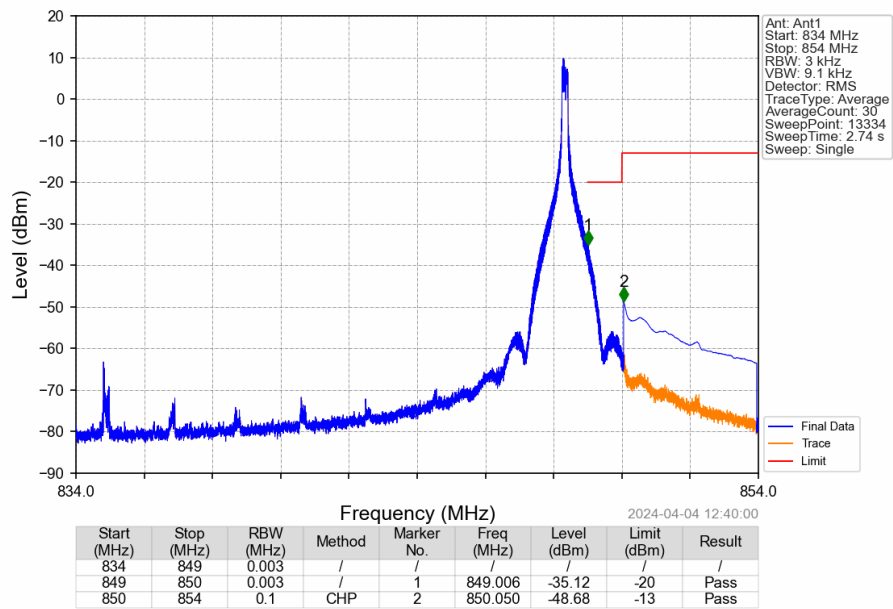
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Edge 1RB Right



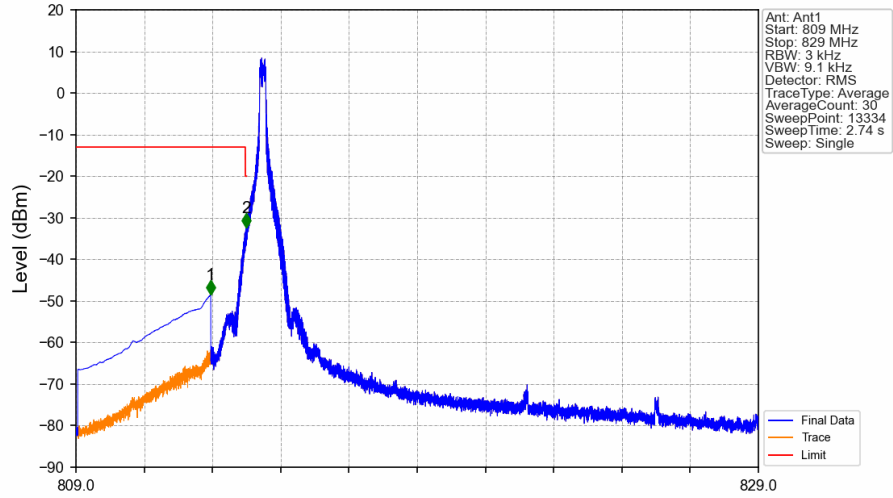
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Outer Full



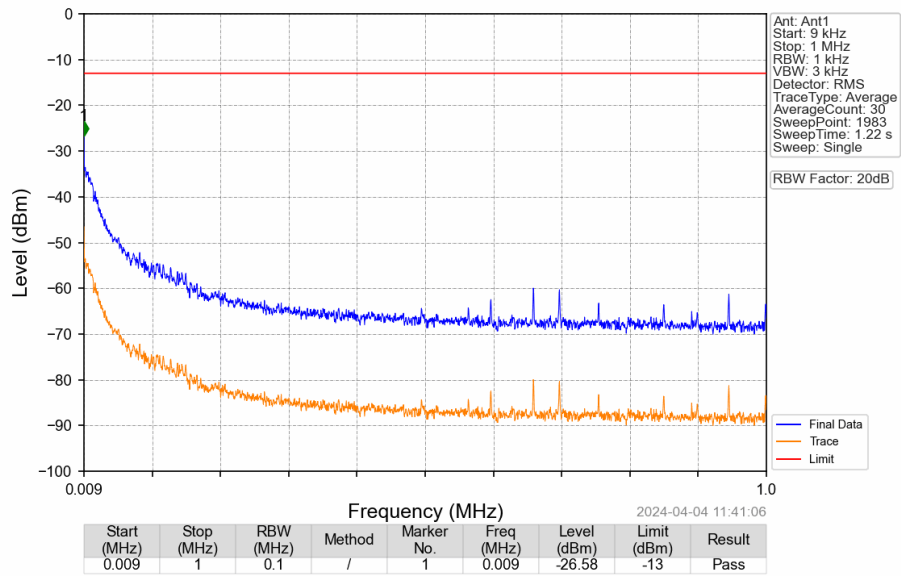
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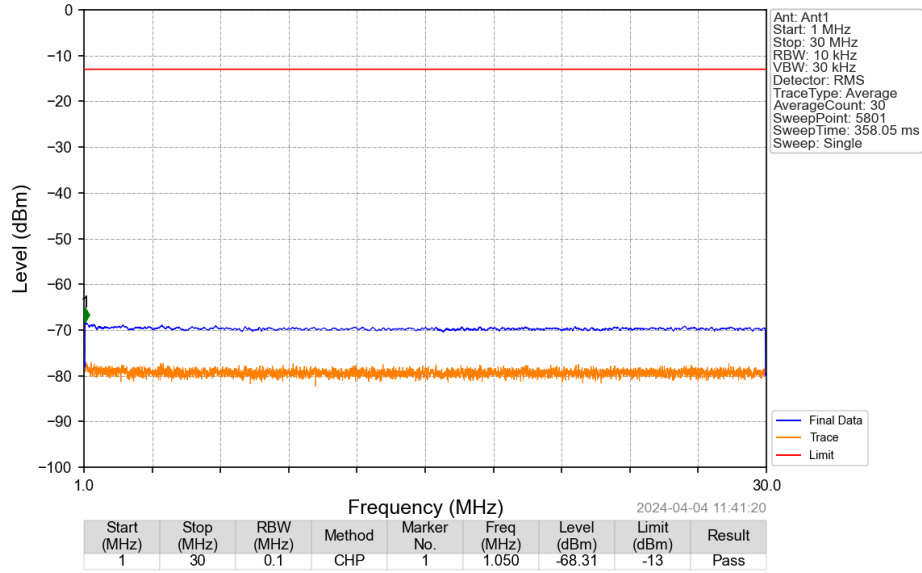
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Edge 1RB Left



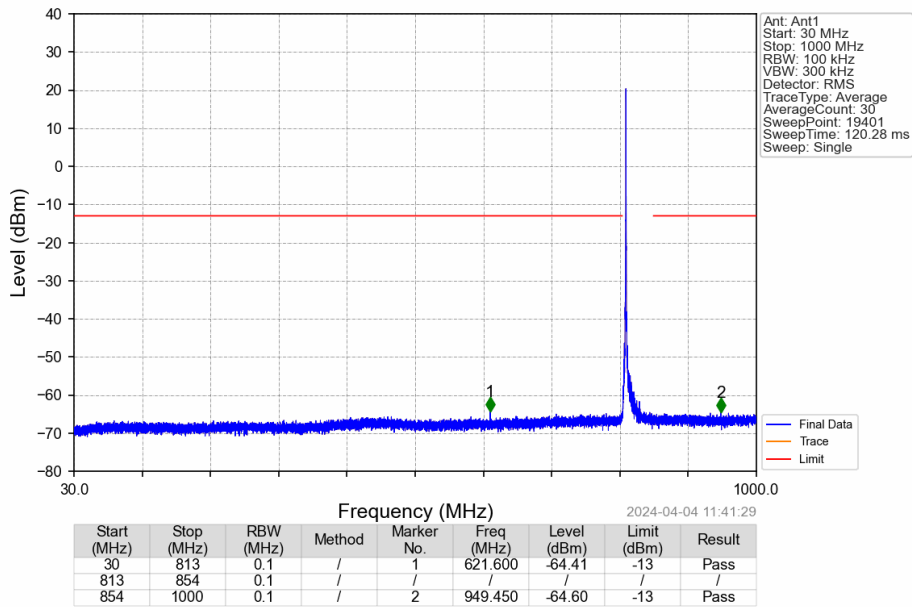
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Edge 1RB Left



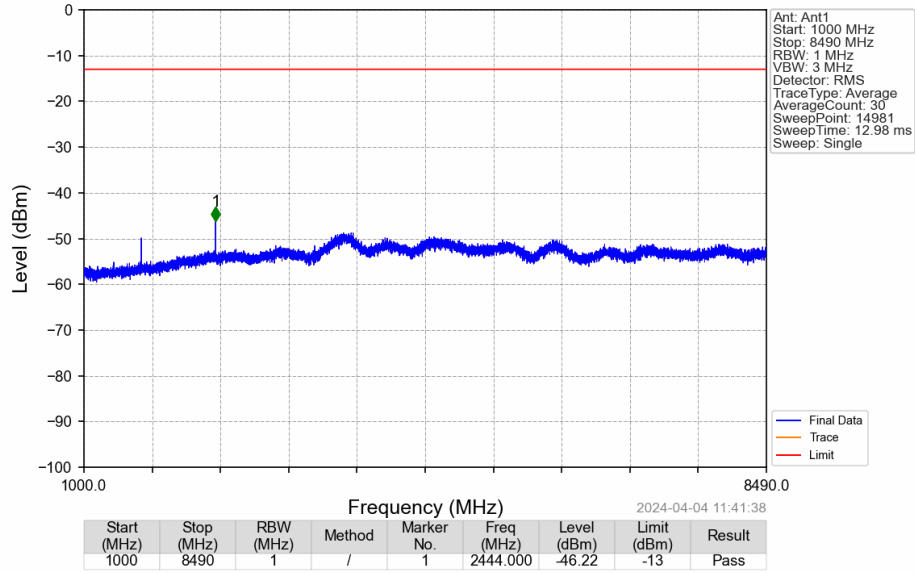
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Edge 1RB Left



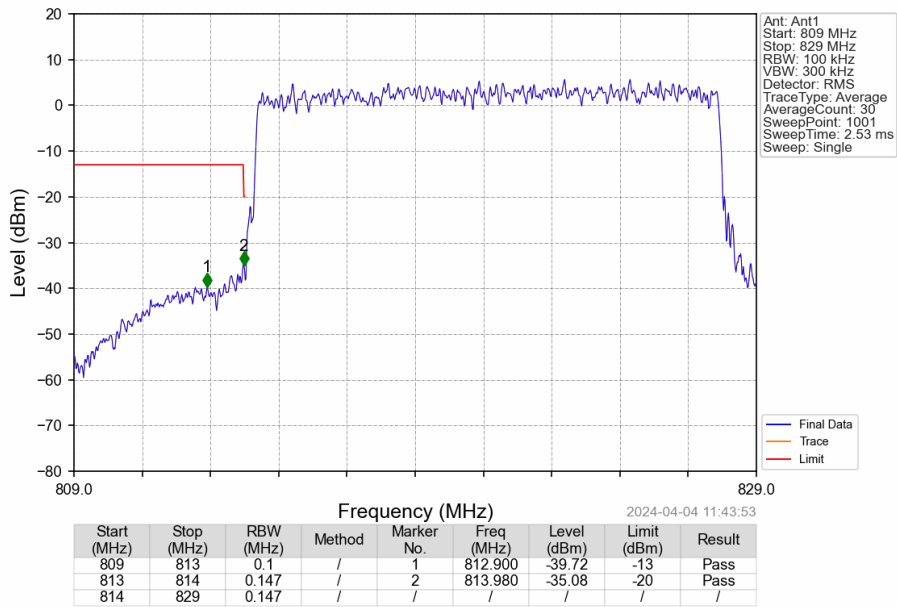
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Edge 1RB Left



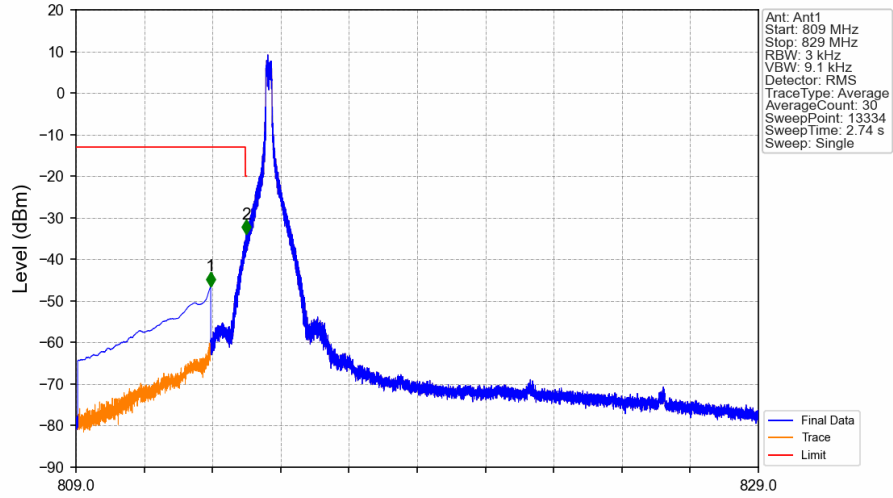
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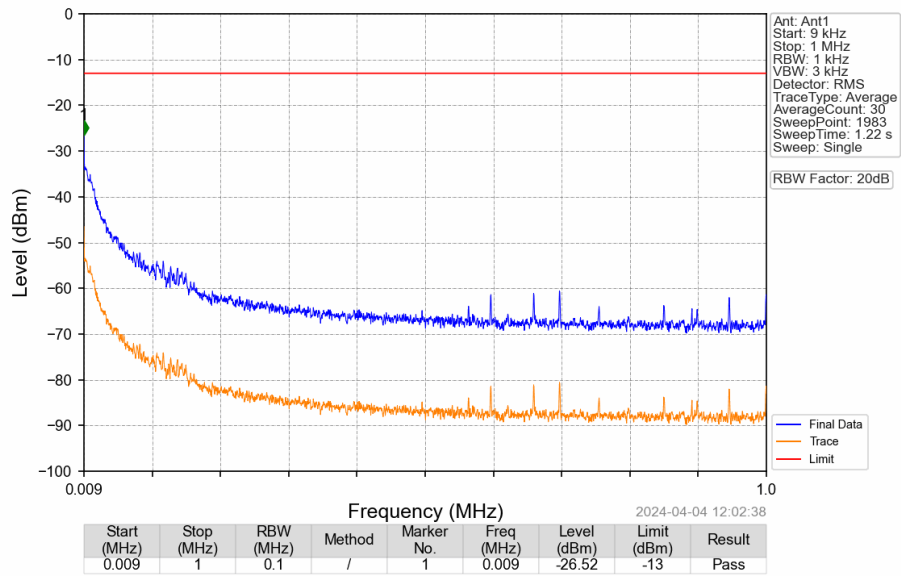
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Outer Full



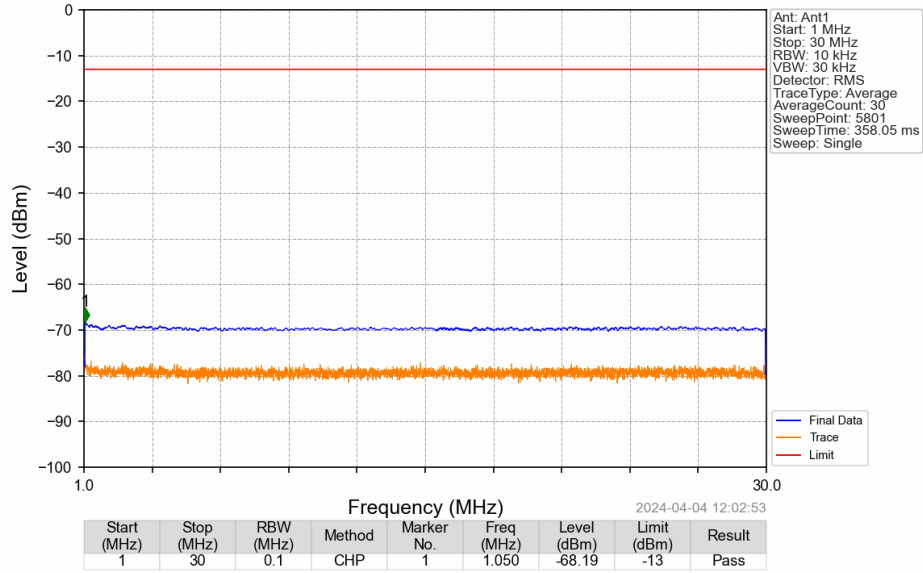
n26c 15kHz SISO NTV 15MHz DFT-s-OFDM QPSK 821.5MHz Inner 1RB Left



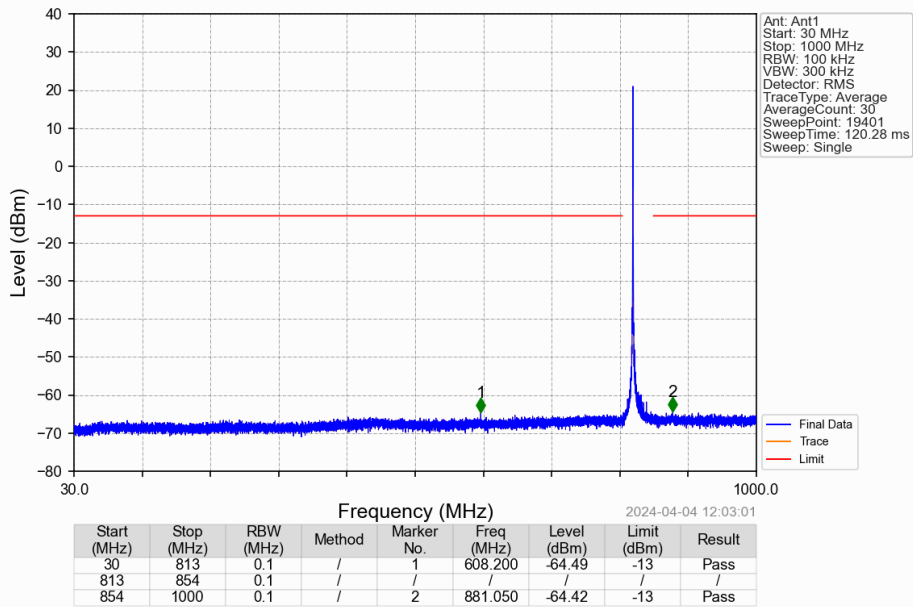
n26c 15kHz SISO NTV 15MHz DFT-s-OFDM QPSK 831.5MHz Edge 1RB Left



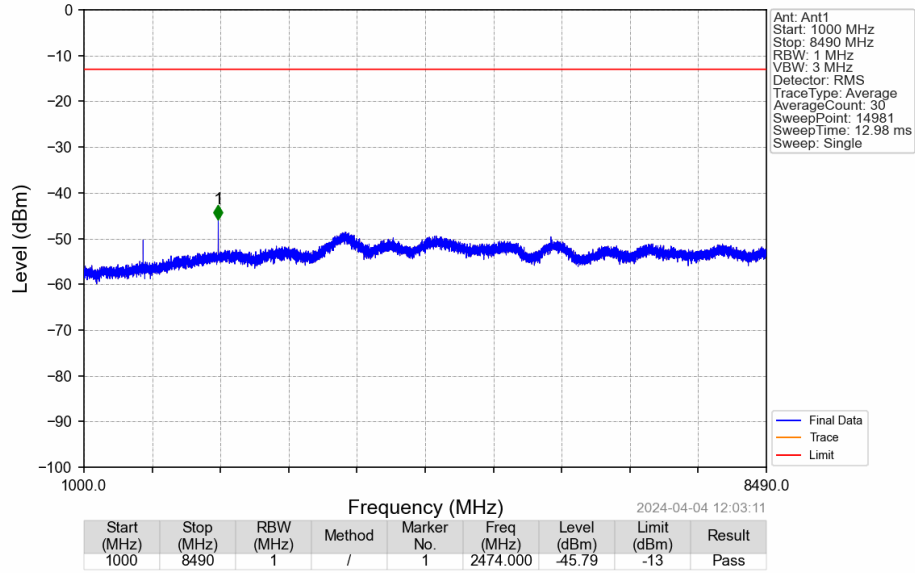
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 831.5MHz Edge 1RB Left



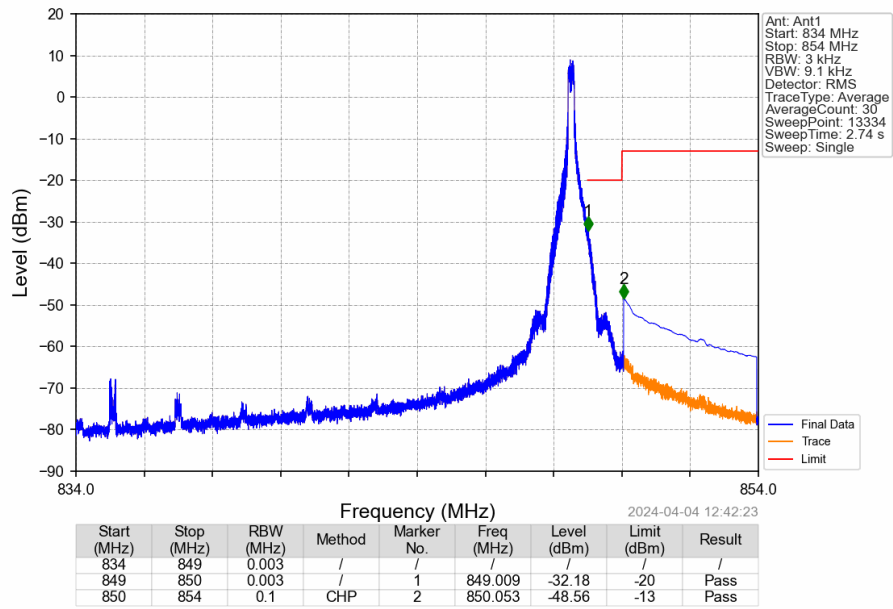
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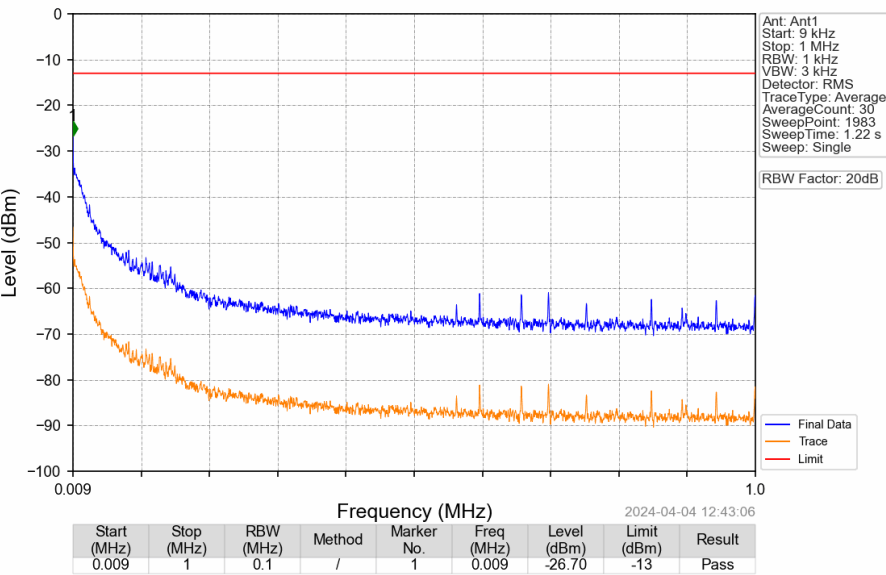
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 831.5MHz Edge 1RB Left



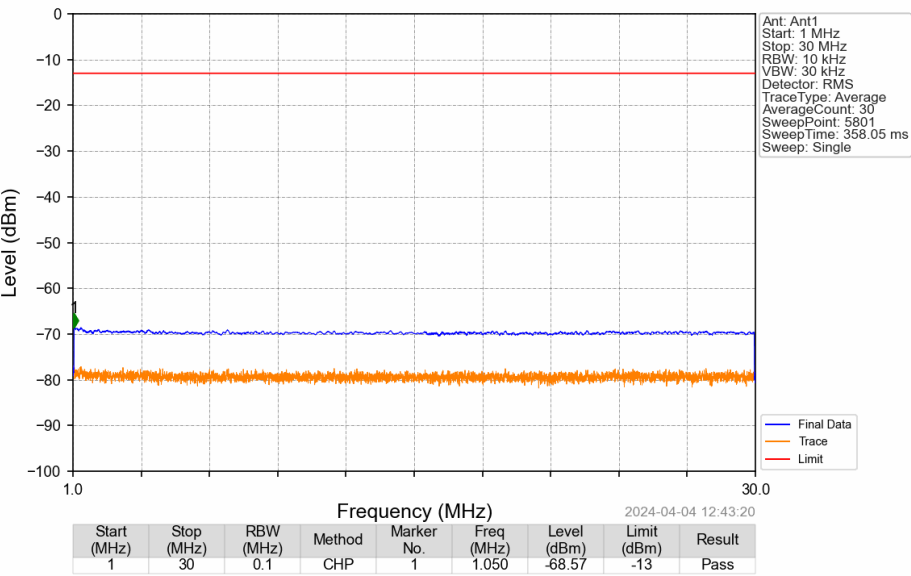
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Edge 1RB Right



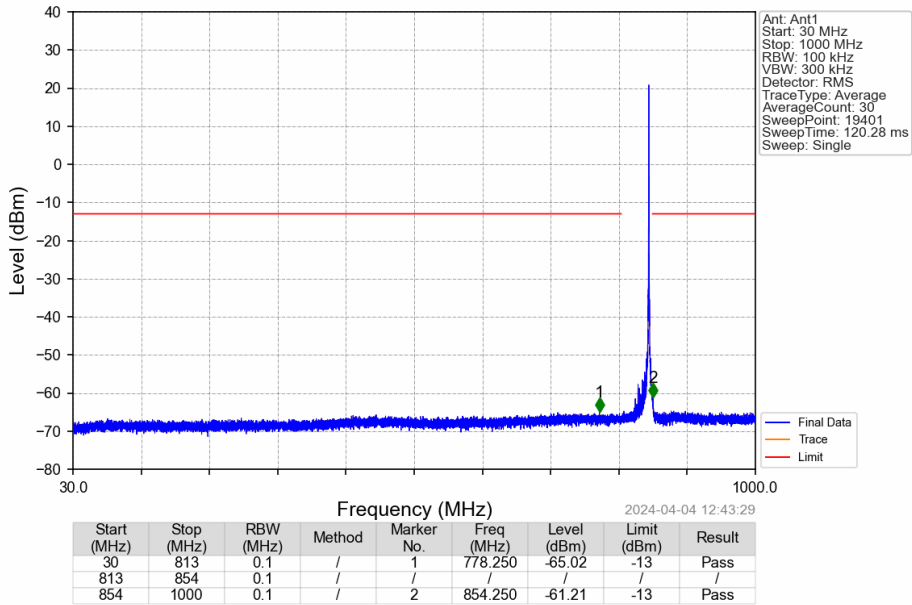
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Edge 1RB Right



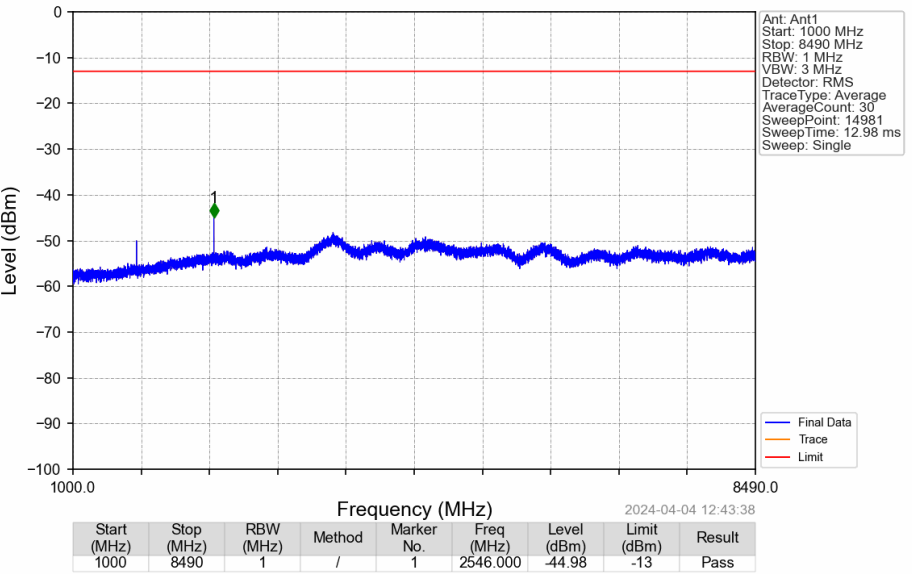
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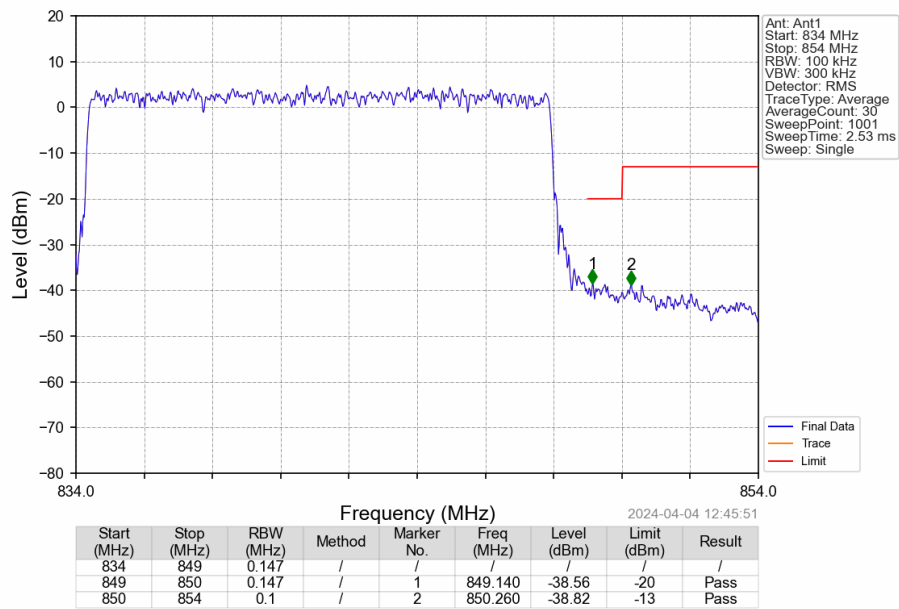
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Edge 1RB Right



n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Edge 1RB Right



n26c 15kHz SISO NTV 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full



n26c 15kHz SISO NTV 15MHz DFT-s-OFDM QPSK 841.5MHz Inner 1RB Right

