

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_15MHz_NTNV_ERP

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	23.19	/	/	18.04	/	/	<=38.45	Pass
		Edge_1RB_Right	23.19	/	/	18.04	/	/	<=38.45	Pass
		Outer_Full	23.33	/	/	18.18	/	/	<=38.45	Pass
		Inner_Full	23.36	/	/	18.21	/	/	<=38.45	Pass
		Inner_1RB_Left	23.23	/	/	18.08	/	/	<=38.45	Pass
		Inner_1RB_Right	23.22	/	/	18.07	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	23.28	/	/	18.13	/	/	<=38.45	Pass
		Edge_1RB_Right	23.42	/	/	18.27	/	/	<=38.45	Pass
		Outer_Full	23.33	/	/	18.18	/	/	<=38.45	Pass
		Inner_Full	23.30	/	/	18.15	/	/	<=38.45	Pass
		Inner_1RB_Left	23.33	/	/	18.18	/	/	<=38.45	Pass
		Inner_1RB_Right	23.36	/	/	18.21	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.30	/	/	18.15	/	/	<=38.45	Pass
		Edge_1RB_Right	23.38	/	/	18.23	/	/	<=38.45	Pass
		Outer_Full	23.50	/	/	18.35	/	/	<=38.45	Pass
		Inner_Full	23.47	/	/	18.32	/	/	<=38.45	Pass
		Inner_1RB_Left	23.39	/	/	18.24	/	/	<=38.45	Pass
		Inner_1RB_Right	23.40	/	/	18.25	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	821.5	Edge_1RB_Left	23.34	/	/	18.19	/	/	<=38.45	Pass
		Edge_1RB_Right	23.38	/	/	18.23	/	/	<=38.45	Pass
		Outer_Full	23.29	/	/	18.14	/	/	<=38.45	Pass
		Inner_Full	23.33	/	/	18.18	/	/	<=38.45	Pass
		Inner_1RB_Left	23.12	/	/	17.97	/	/	<=38.45	Pass
		Inner_1RB_Right	23.30	/	/	18.15	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	23.36	/	/	18.21	/	/	<=38.45	Pass
		Edge_1RB_Right	23.51	/	/	18.36	/	/	<=38.45	Pass
		Outer_Full	23.27	/	/	18.12	/	/	<=38.45	Pass
		Inner_Full	23.23	/	/	18.08	/	/	<=38.45	Pass
		Inner_1RB_Left	23.36	/	/	18.21	/	/	<=38.45	Pass
		Inner_1RB_Right	23.42	/	/	18.27	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.36	/	/	18.21	/	/	<=38.45	Pass
		Edge_1RB_Right	23.51	/	/	18.36	/	/	<=38.45	Pass
		Outer_Full	23.44	/	/	18.29	/	/	<=38.45	Pass
		Inner_Full	23.51	/	/	18.36	/	/	<=38.45	Pass
		Inner_1RB_Left	23.29	/	/	18.14	/	/	<=38.45	Pass
		Inner_1RB_Right	23.47	/	/	18.32	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	821.5	Edge_1RB_Left	22.26	/	/	17.11	/	/	<=38.45	Pass
		Edge_1RB_Right	22.24	/	/	17.09	/	/	<=38.45	Pass
		Outer_Full	22.33	/	/	17.18	/	/	<=38.45	Pass
		Inner_Full	23.32	/	/	18.17	/	/	<=38.45	Pass
		Inner_1RB_Left	23.24	/	/	18.09	/	/	<=38.45	Pass
		Inner_1RB_Right	23.37	/	/	18.22	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	22.44	/	/	17.29	/	/	<=38.45	Pass
		Edge_1RB_Right	22.47	/	/	17.32	/	/	<=38.45	Pass
		Outer_Full	22.33	/	/	17.18	/	/	<=38.45	Pass
		Inner_Full	23.26	/	/	18.11	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	18.28	/	/	<=38.45	Pass
		Inner_1RB_Right	23.45	/	/	18.30	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.39	/	/	17.24	/	/	<=38.45	Pass

		Edge_1RB_Right	22.47	/	/	17.32	/	/	<=38.45	Pass
		Outer_Full	22.51	/	/	17.36	/	/	<=38.45	Pass
		Inner_Full	23.52	/	/	18.37	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	18.28	/	/	<=38.45	Pass
		Inner_1RB_Right	23.44	/	/	18.29	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	821.5	Edge_1RB_Left	21.91	/	/	16.76	/	/	<=38.45	Pass
		Edge_1RB_Right	21.92	/	/	16.77	/	/	<=38.45	Pass
		Outer_Full	21.78	/	/	16.63	/	/	<=38.45	Pass
		Inner_Full	21.80	/	/	16.65	/	/	<=38.45	Pass
		Inner_1RB_Left	21.83	/	/	16.68	/	/	<=38.45	Pass
	831.5	Inner_1RB_Right	21.95	/	/	16.80	/	/	<=38.45	Pass
		Edge_1RB_Left	21.98	/	/	16.83	/	/	<=38.45	Pass
		Edge_1RB_Right	22.02	/	/	16.87	/	/	<=38.45	Pass
		Outer_Full	21.81	/	/	16.66	/	/	<=38.45	Pass
		Inner_Full	21.80	/	/	16.65	/	/	<=38.45	Pass
	841.5	Inner_1RB_Left	22.00	/	/	16.85	/	/	<=38.45	Pass
		Inner_1RB_Right	22.04	/	/	16.89	/	/	<=38.45	Pass
		Edge_1RB_Left	21.99	/	/	16.84	/	/	<=38.45	Pass
		Edge_1RB_Right	22.14	/	/	16.99	/	/	<=38.45	Pass
		Outer_Full	21.97	/	/	16.82	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	821.5	Inner_Full	21.97	/	/	16.82	/	/	<=38.45	Pass
		Inner_1RB_Left	22.00	/	/	16.85	/	/	<=38.45	Pass
		Inner_1RB_Right	22.09	/	/	16.94	/	/	<=38.45	Pass
		Edge_1RB_Left	19.44	/	/	14.29	/	/	<=38.45	Pass
		Edge_1RB_Right	19.60	/	/	14.45	/	/	<=38.45	Pass
	831.5	Outer_Full	19.77	/	/	14.62	/	/	<=38.45	Pass
		Inner_Full	19.76	/	/	14.61	/	/	<=38.45	Pass
		Inner_1RB_Left	19.47	/	/	14.32	/	/	<=38.45	Pass
		Inner_1RB_Right	19.64	/	/	14.49	/	/	<=38.45	Pass
		Edge_1RB_Left	19.55	/	/	14.40	/	/	<=38.45	Pass
	841.5	Edge_1RB_Right	19.63	/	/	14.48	/	/	<=38.45	Pass
		Outer_Full	19.82	/	/	14.67	/	/	<=38.45	Pass
		Inner_Full	19.65	/	/	14.50	/	/	<=38.45	Pass
		Inner_1RB_Left	19.58	/	/	14.43	/	/	<=38.45	Pass
		Inner_1RB_Right	19.68	/	/	14.53	/	/	<=38.45	Pass
CP-OFDM QPSK	821.5	Edge_1RB_Left	19.61	/	/	14.46	/	/	<=38.45	Pass
		Edge_1RB_Right	19.62	/	/	14.47	/	/	<=38.45	Pass
		Outer_Full	19.93	/	/	14.78	/	/	<=38.45	Pass
		Inner_Full	19.90	/	/	14.75	/	/	<=38.45	Pass
		Inner_1RB_Left	19.64	/	/	14.49	/	/	<=38.45	Pass
	831.5	Inner_1RB_Right	19.70	/	/	14.55	/	/	<=38.45	Pass
		Edge_1RB_Left	21.27	/	/	16.12	/	/	<=38.45	Pass
		Edge_1RB_Right	21.35	/	/	16.20	/	/	<=38.45	Pass
		Outer_Full	21.36	/	/	16.21	/	/	<=38.45	Pass
		Inner_Full	22.89	/	/	17.74	/	/	<=38.45	Pass
	841.5	Inner_1RB_Left	22.82	/	/	17.67	/	/	<=38.45	Pass
		Inner_1RB_Right	22.83	/	/	17.68	/	/	<=38.45	Pass
		Edge_1RB_Left	21.38	/	/	16.23	/	/	<=38.45	Pass
		Edge_1RB_Right	21.44	/	/	16.29	/	/	<=38.45	Pass
		Outer_Full	21.32	/	/	16.17	/	/	<=38.45	Pass
CP-OFDM QPSK	821.5	Inner_Full	22.80	/	/	17.65	/	/	<=38.45	Pass
		Inner_1RB_Left	22.85	/	/	17.70	/	/	<=38.45	Pass
		Inner_1RB_Right	22.99	/	/	17.84	/	/	<=38.45	Pass
		Edge_1RB_Left	21.39	/	/	16.24	/	/	<=38.45	Pass
		Edge_1RB_Right	21.54	/	/	16.39	/	/	<=38.45	Pass
	831.5	Outer_Full	21.52	/	/	16.37	/	/	<=38.45	Pass
		Inner_Full	23.01	/	/	17.86	/	/	<=38.45	Pass
		Inner_1RB_Left	22.92	/	/	17.77	/	/	<=38.45	Pass
		Inner_1RB_Right	23.06	/	/	17.91	/	/	<=38.45	Pass
		Edge_1RB_Left	21.27	/	/	16.12	/	/	<=38.45	Pass
	841.5	Edge_1RB_Right	21.35	/	/	16.20	/	/	<=38.45	Pass
		Outer_Full	21.36	/	/	16.21	/	/	<=38.45	Pass
		Inner_Full	22.89	/	/	17.74	/	/	<=38.45	Pass
		Inner_1RB_Left	22.82	/	/	17.67	/	/	<=38.45	Pass
		Inner_1RB_Right	22.83	/	/	17.68	/	/	<=38.45	Pass

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_15MHz

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	3.60	0.0043	>=-2.5 & <=2.5	Pass
				HV	4.60	0.0055	>=-2.5 & <=2.5	Pass
			-30	NV	1.30	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	9.00	0.0108	>=-2.5 & <=2.5	Pass
			-10	NV	6.40	0.0077	>=-2.5 & <=2.5	Pass
			0	NV	6.20	0.0075	>=-2.5 & <=2.5	Pass
			10	NV	5.20	0.0063	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0041	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0032	>=-2.5 & <=2.5	Pass
			40	NV	1.20	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	20	LV	-0.80	-0.0010	>=-2.5 & <=2.5	Pass
				HV	2.70	0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	5.50	0.0066	>=-2.5 & <=2.5	Pass
			-20	NV	4.00	0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	6.70	0.0081	>=-2.5 & <=2.5	Pass
			0	NV	3.00	0.0036	>=-2.5 & <=2.5	Pass
			10	NV	2.70	0.0032	>=-2.5 & <=2.5	Pass
			20	NV	0.30	0.0004	>=-2.5 & <=2.5	Pass
			30	NV	4.20	0.0051	>=-2.5 & <=2.5	Pass
			40	NV	2.30	0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	20	LV	6.90	0.0083	>=-2.5 & <=2.5	Pass
				HV	2.40	0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	6.00	0.0072	>=-2.5 & <=2.5	Pass
			-20	NV	5.20	0.0063	>=-2.5 & <=2.5	Pass
			-10	NV	4.40	0.0053	>=-2.5 & <=2.5	Pass
			0	NV	1.90	0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-1.20	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	2.80	0.0034	>=-2.5 & <=2.5	Pass
			30	NV	4.40	0.0053	>=-2.5 & <=2.5	Pass
			40	NV	3.60	0.0043	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	20	LV	4.50	0.0054	>=-2.5 & <=2.5	Pass
				HV	4.10	0.0049	>=-2.5 & <=2.5	Pass
			-30	NV	-1.60	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	4.50	0.0054	>=-2.5 & <=2.5	Pass
			-10	NV	7.00	0.0084	>=-2.5 & <=2.5	Pass
			0	NV	2.70	0.0032	>=-2.5 & <=2.5	Pass
			10	NV	2.40	0.0029	>=-2.5 & <=2.5	Pass
			20	NV	2.40	0.0029	>=-2.5 & <=2.5	Pass
			30	NV	4.90	0.0059	>=-2.5 & <=2.5	Pass
			40	NV	4.90	0.0059	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	20	LV	5.90	0.0071	>=-2.5 & <=2.5	Pass
				HV	5.40	0.0065	>=-2.5 & <=2.5	Pass
			-30	NV	5.50	0.0066	>=-2.5 & <=2.5	Pass
			-20	NV	0.70	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0048	>=-2.5 & <=2.5	Pass

			0	NV	7.10	0.0085	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.60	0.0055	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.80	0.0058	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.00	0.0084	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.90	0.0083	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.80	0.0058	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	831.5	Outer_Full	20	LV	5.00	0.0060	≥ -2.5 & ≤ 2.5	Pass
				HV	4.10	0.0049	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	5.60	0.0067	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-0.50	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.10	0.0049	≥ -2.5 & ≤ 2.5	Pass
			0	NV	0.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.10	-0.0013	≥ -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	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	20	LV	3.60	0.0043	≥ -2.5 & ≤ 2.5	Pass
				HV	7.60	0.0091	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.80	0.0034	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.90	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	6.10	0.0073	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.30	0.0028	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.10	0.0049	≥ -2.5 & ≤ 2.5	Pass
			20	NV	8.50	0.0102	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.10	0.0073	≥ -2.5 & ≤ 2.5	Pass
			50	NV	0.60	0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	20	LV	-1.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
				HV	3.50	0.0042	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.40	0.0041	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.80	0.0070	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.30	0.0028	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.50	0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.70	0.0093	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	20	LV	6.90	0.0083	≥ -2.5 & ≤ 2.5	Pass
				HV	4.90	0.0059	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.90	0.0071	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.30	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.00	0.0072	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.50	0.0030	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.10	0.0061	≥ -2.5 & ≤ 2.5	Pass
			30	NV	0.50	0.0006	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.10	0.0037	≥ -2.5 & ≤ 2.5	Pass
			50	NV	0.50	0.0006	≥ -2.5 & ≤ 2.5	Pass

3. 99% & 26dB Bandwidth

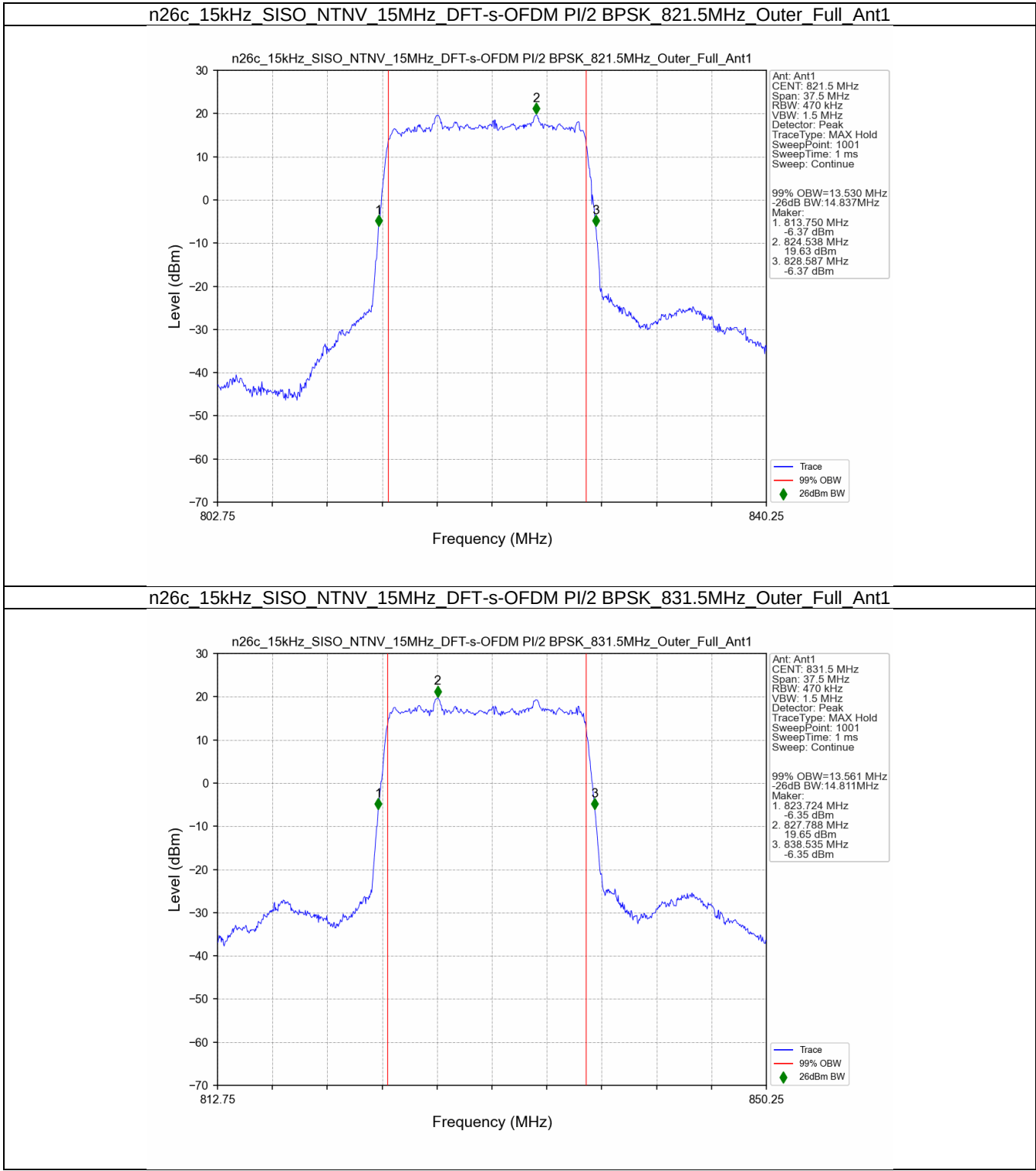
3.1 Test Result

3.1.1 15k_SISO_15MHz_NTNV

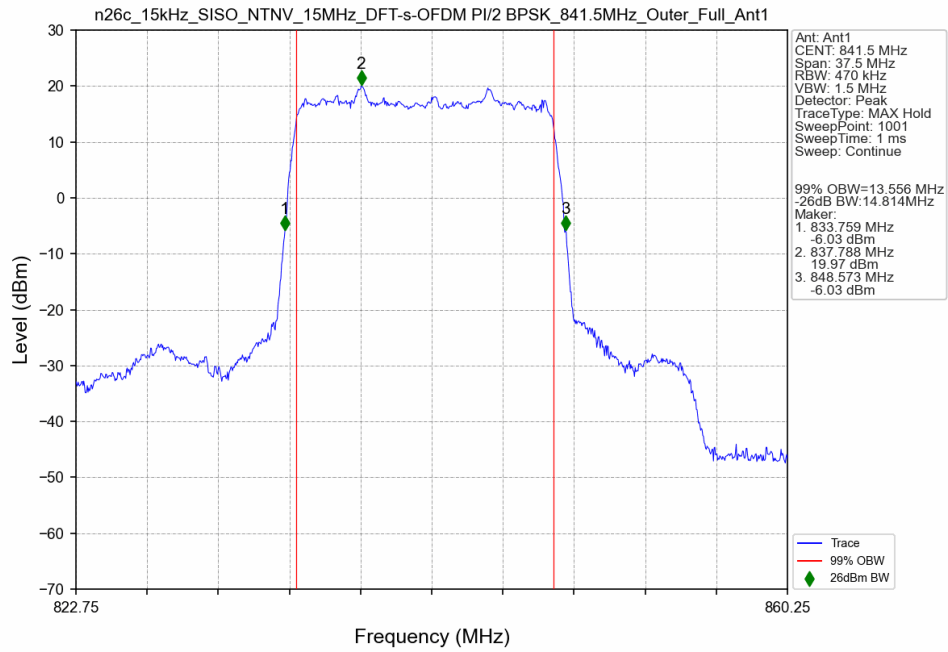
5G NR n26c SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	821.5	Outer_Full	13.53	14.84	/	Pass
	831.5	Outer_Full	13.56	14.81	/	Pass
	841.5	Outer_Full	13.56	14.81	/	Pass
DFT-s-OFDM QPSK	821.5	Outer_Full	13.59	14.85	/	Pass
	831.5	Outer_Full	13.62	14.96	/	Pass
	841.5	Outer_Full	13.62	14.90	/	Pass
DFT-s-OFDM 16 QAM	821.5	Outer_Full	13.58	14.74	/	Pass
	831.5	Outer_Full	13.61	14.83	/	Pass
	841.5	Outer_Full	13.59	14.80	/	Pass
DFT-s-OFDM 64 QAM	821.5	Outer_Full	13.52	14.76	/	Pass
	831.5	Outer_Full	13.56	14.78	/	Pass
	841.5	Outer_Full	13.51	14.88	/	Pass
DFT-s-OFDM 256 QAM	821.5	Outer_Full	13.58	14.70	/	Pass
	831.5	Outer_Full	13.61	14.84	/	Pass
	841.5	Outer_Full	13.60	14.66	/	Pass
CP-OFDM QPSK	821.5	Outer_Full	14.22	15.46	/	Pass
	831.5	Outer_Full	14.25	15.59	/	Pass
	841.5	Outer_Full	14.26	15.45	/	Pass
CP-OFDM 16 QAM	821.5	Outer_Full	14.22	15.48	/	Pass
	831.5	Outer_Full	14.26	15.53	/	Pass
	841.5	Outer_Full	14.23	15.53	/	Pass
CP-OFDM 64 QAM	821.5	Outer_Full	14.21	15.48	/	Pass
	831.5	Outer_Full	14.26	15.53	/	Pass
	841.5	Outer_Full	14.24	15.54	/	Pass
CP-OFDM 256 QAM	821.5	Outer_Full	14.23	15.52	/	Pass
	831.5	Outer_Full	14.27	15.53	/	Pass
	841.5	Outer_Full	14.24	15.55	/	Pass

3.2 Test Graph

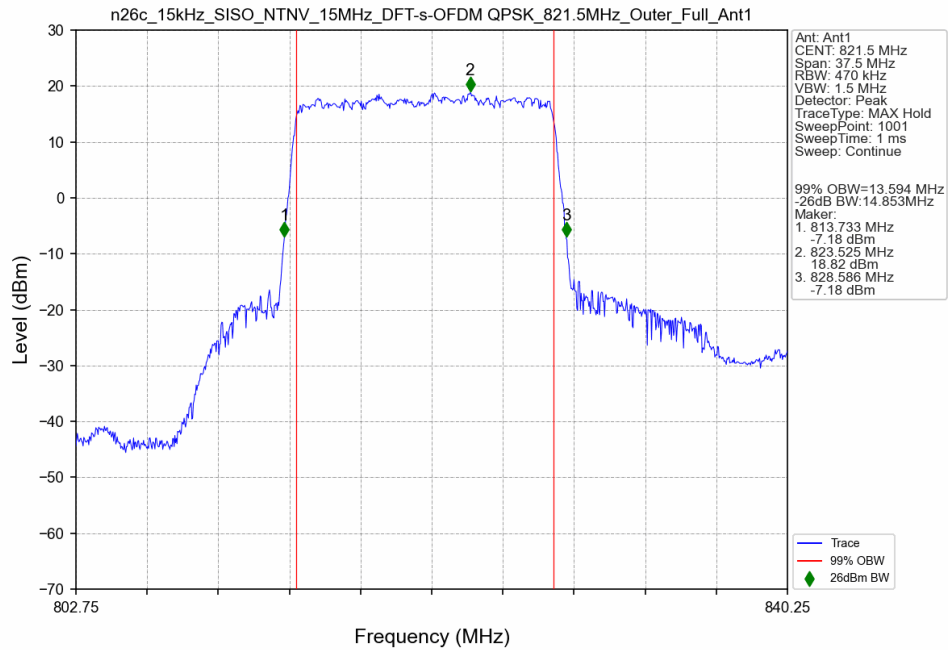
3.2.1 15k_SISO_15MHz_NTNV



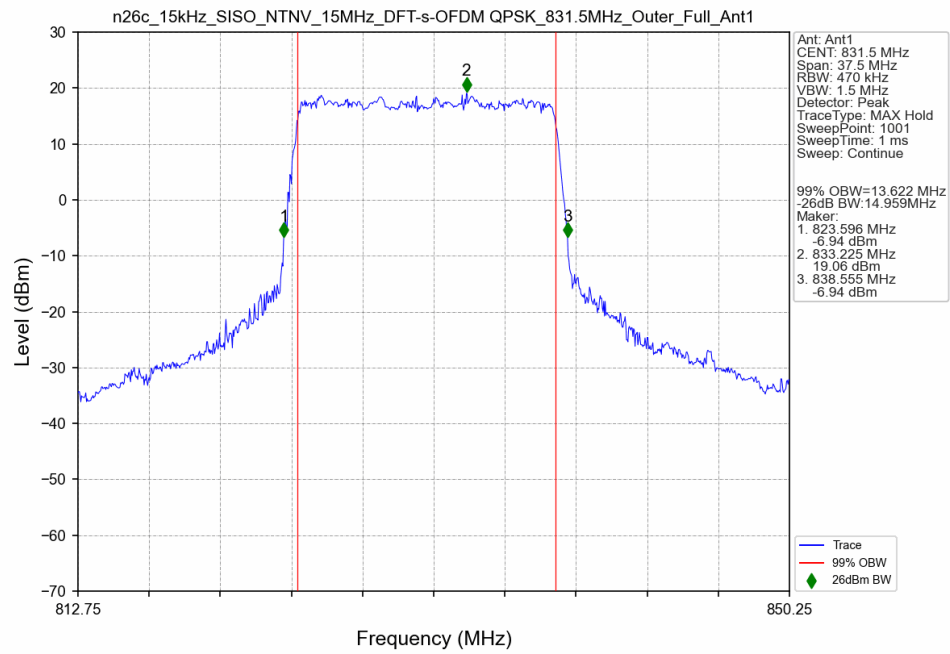
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Outer Full Ant1



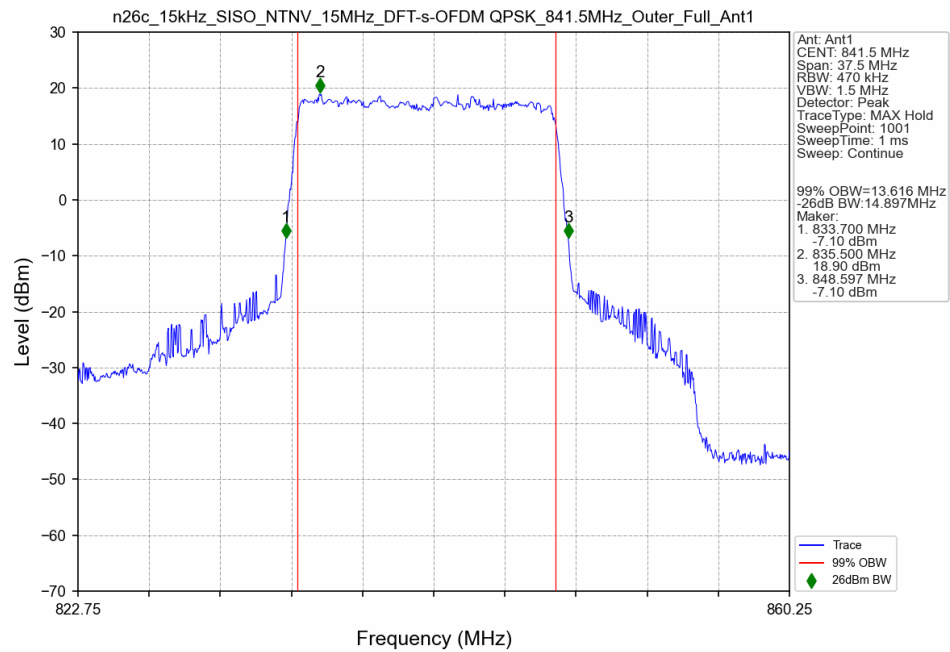
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Outer Full Ant1



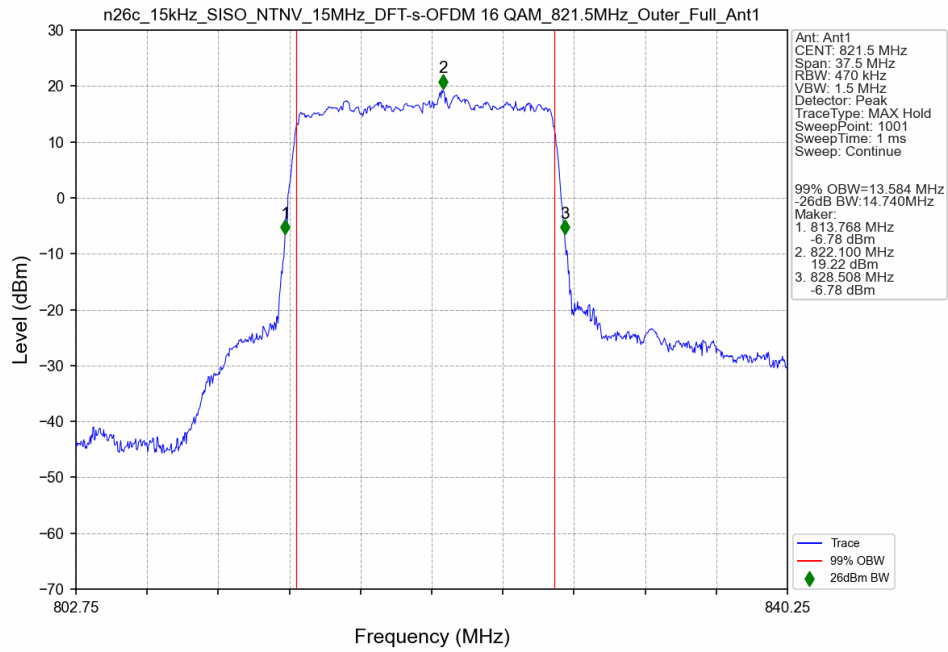
n26c_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_831.5MHz_Outer_Full_Ant1



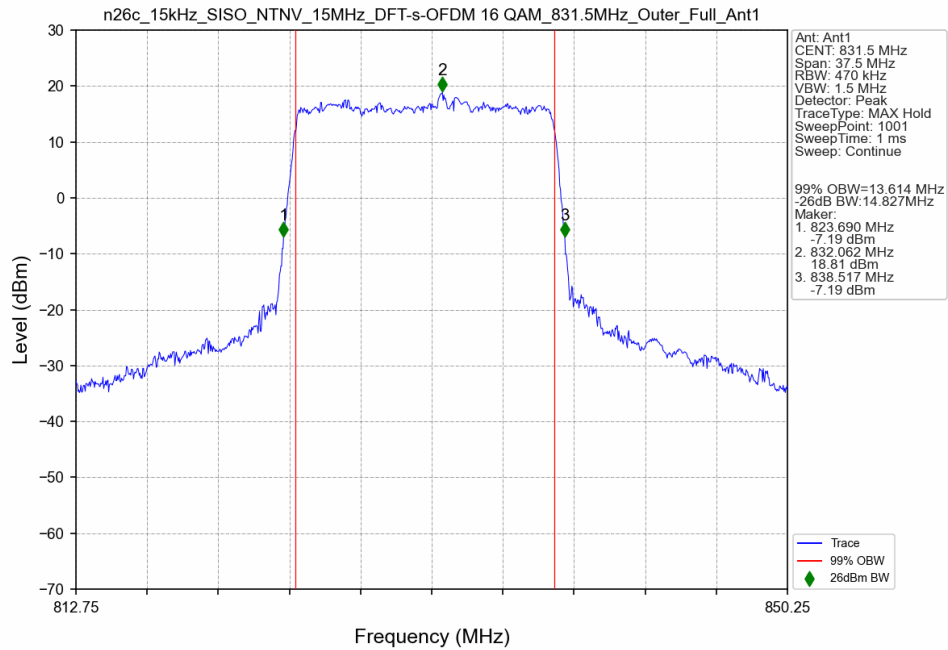
n26c_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_841.5MHz_Outer_Full_Ant1



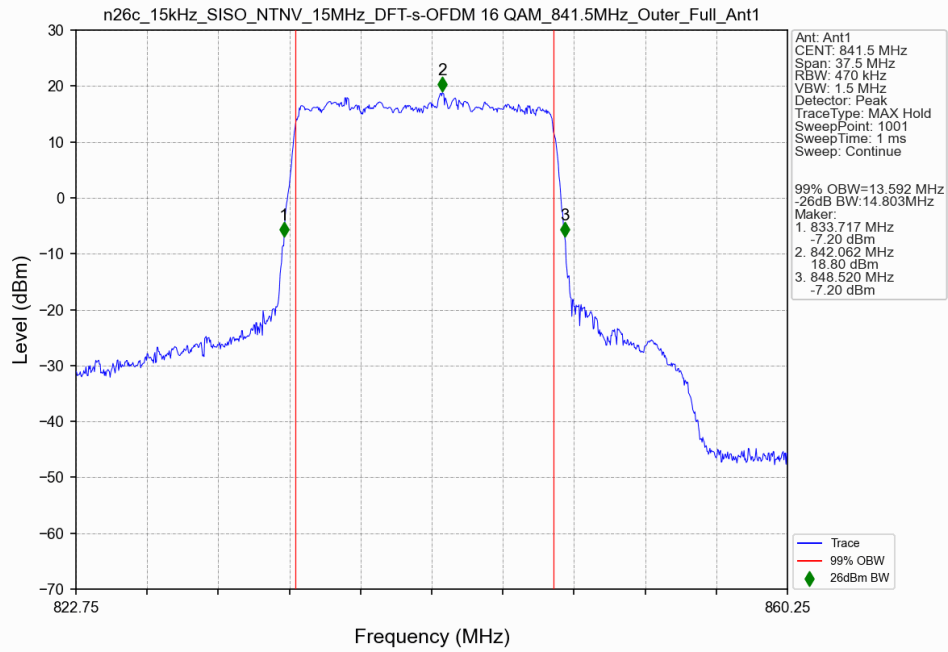
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 821.5MHz Outer Full Ant1



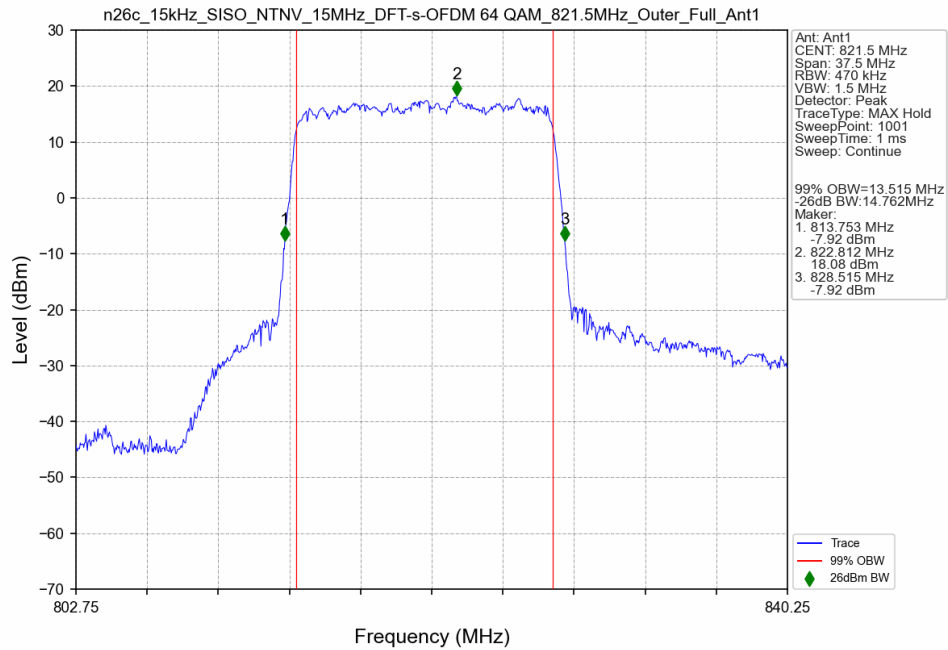
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full Ant1



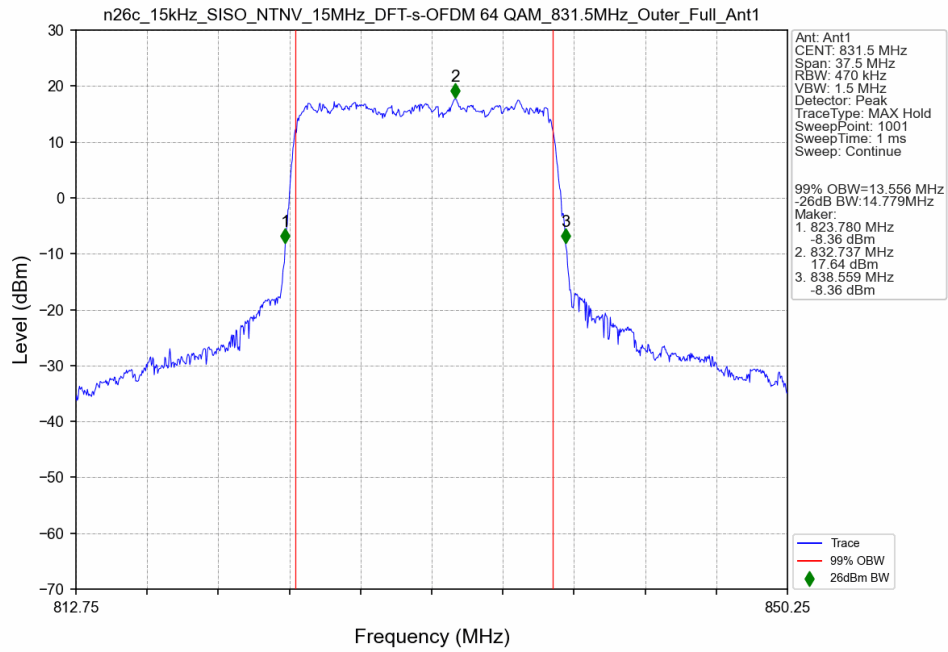
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full Ant1



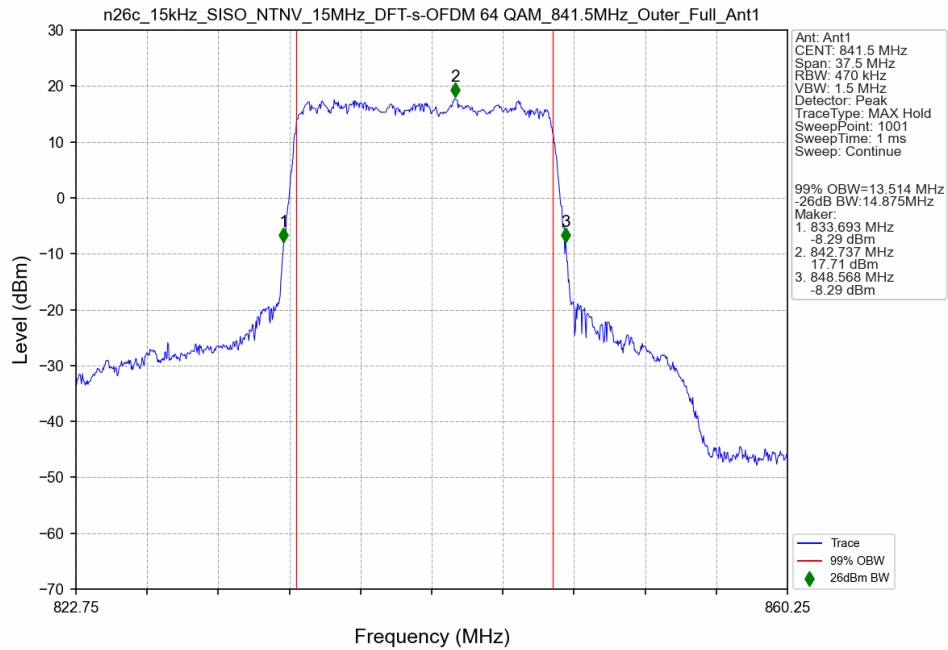
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 821.5MHz Outer Full Ant1



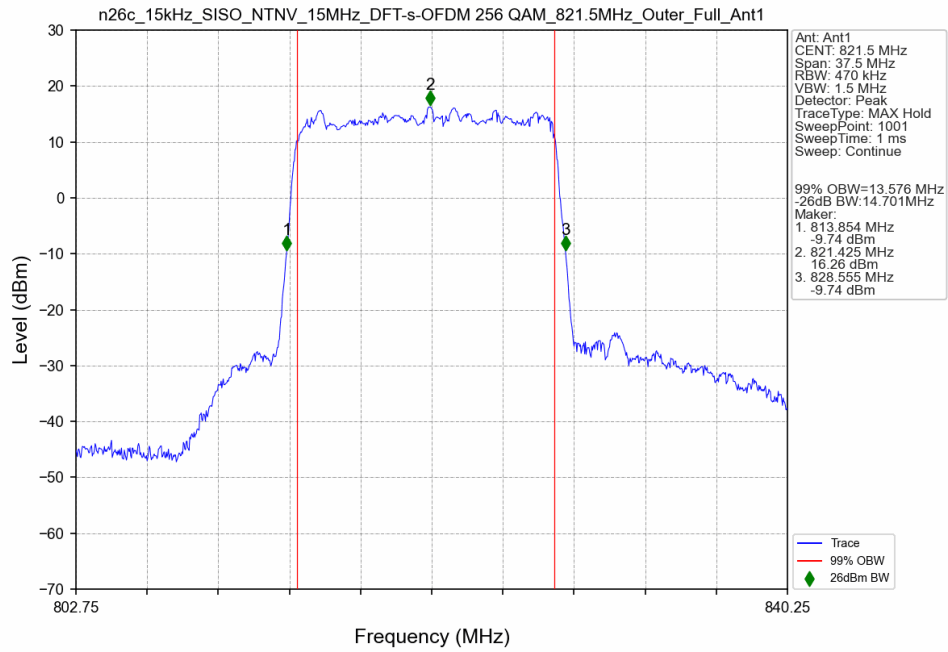
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full Ant1



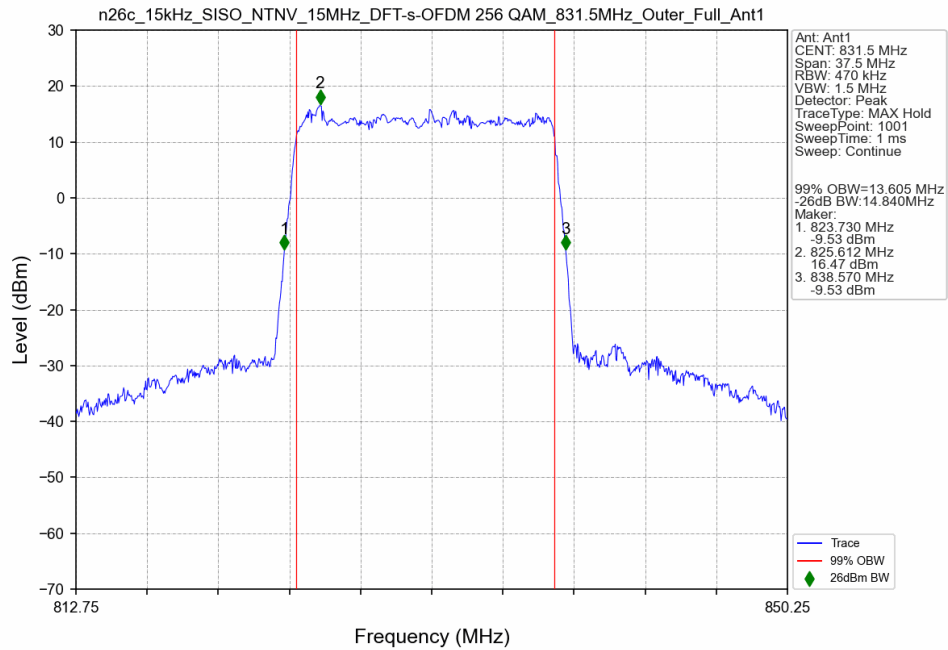
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 841.5MHz Outer Full Ant1



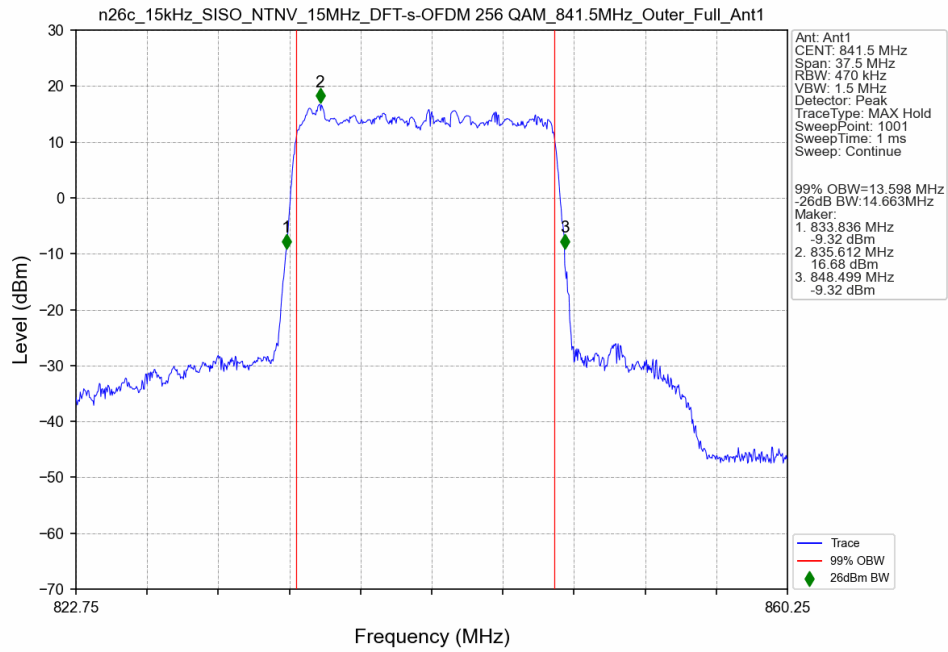
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 821.5MHz Outer Full Ant1



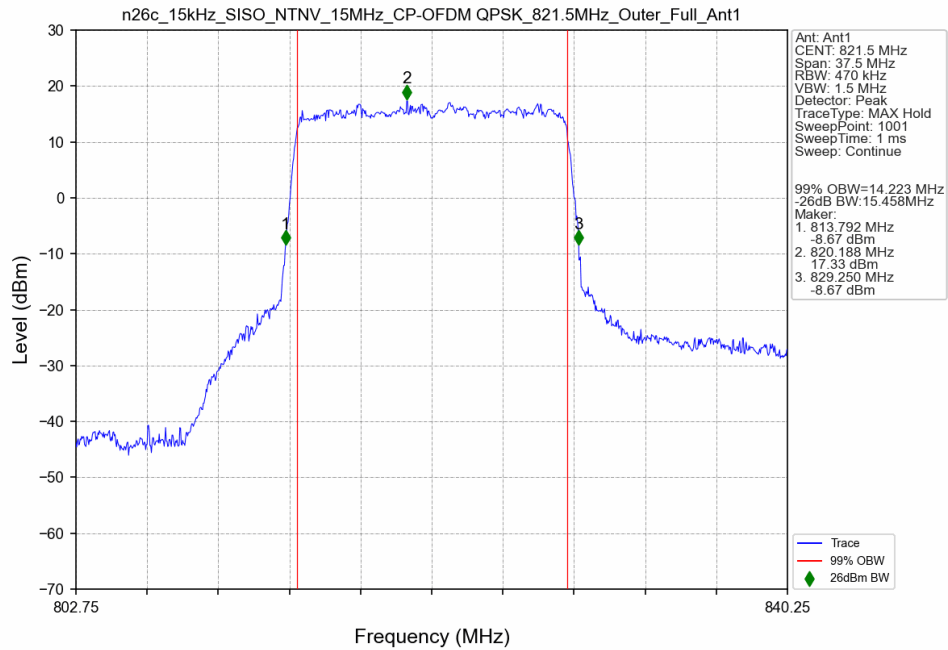
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 831.5MHz Outer Full Ant1



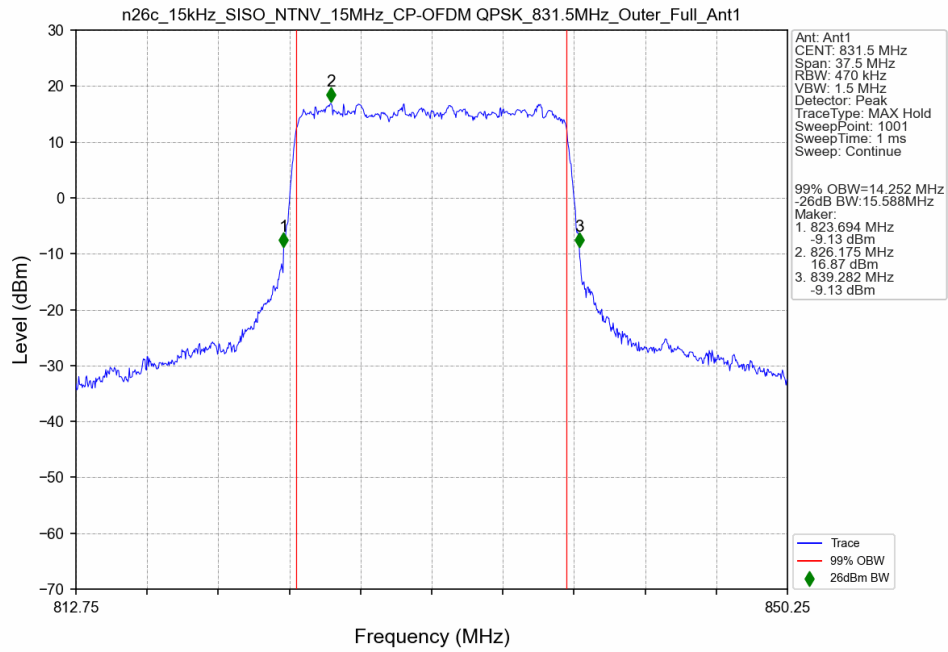
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 841.5MHz Outer Full Ant1



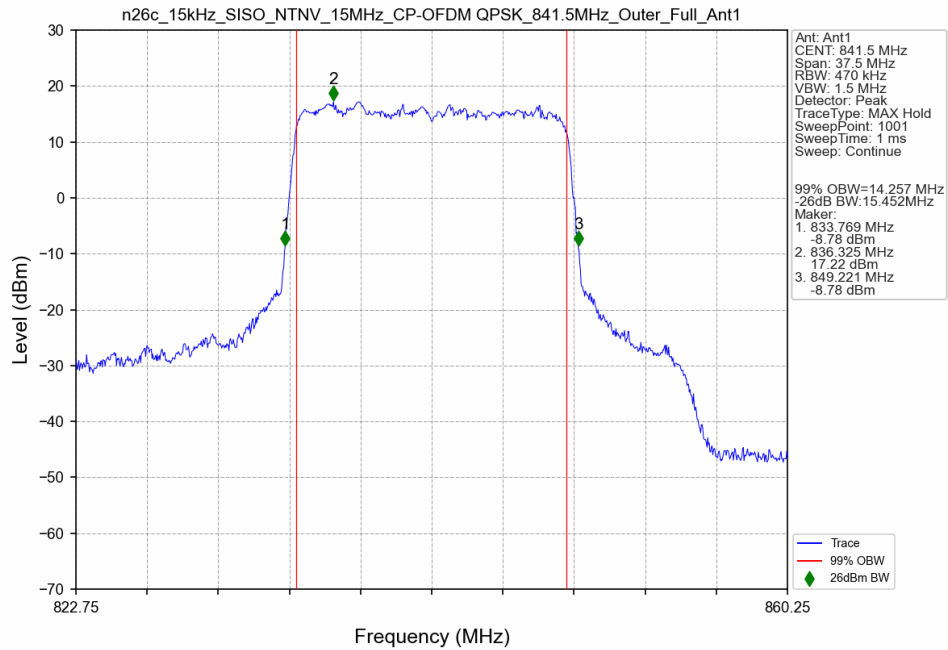
n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 821.5MHz Outer Full Ant1



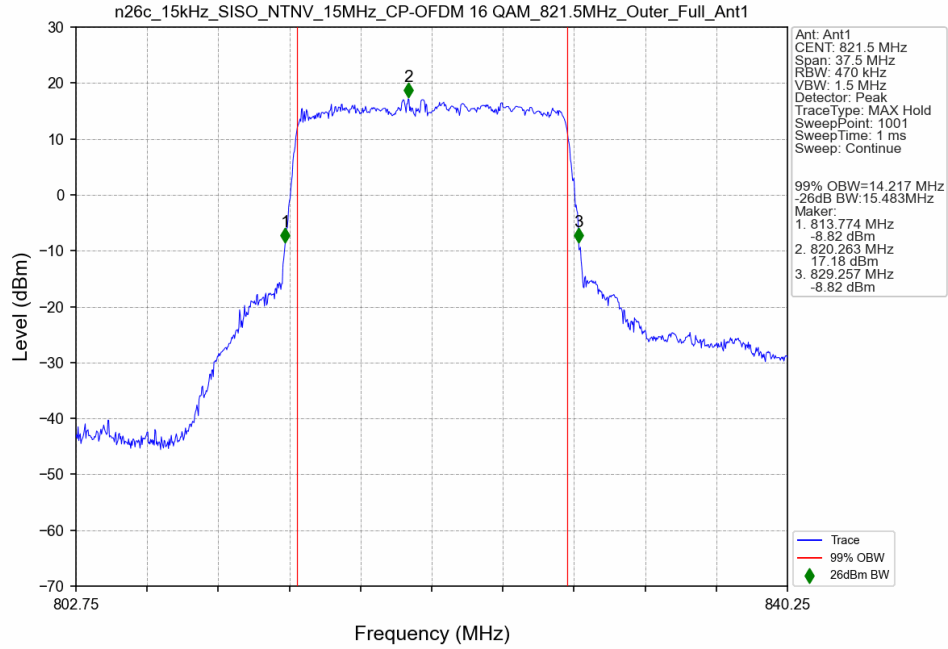
n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full Ant1



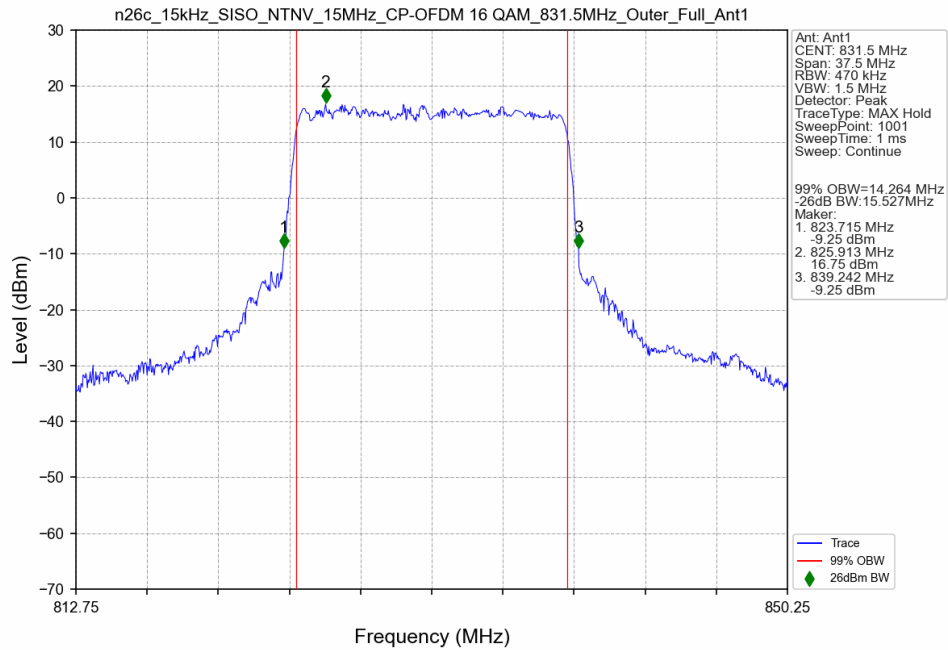
n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 841.5MHz Outer Full Ant1



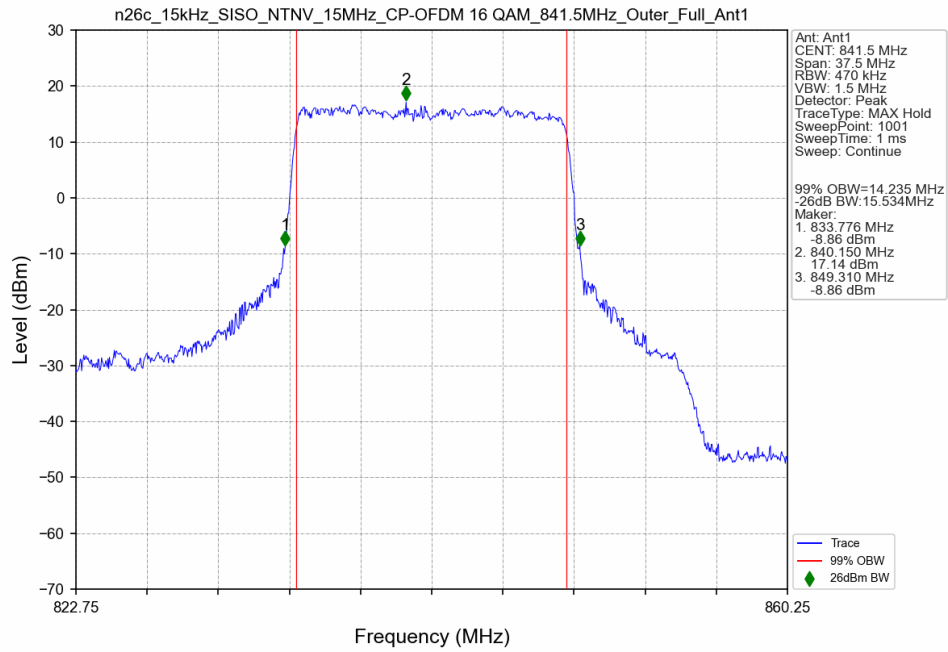
n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 821.5MHz Outer Full Ant1



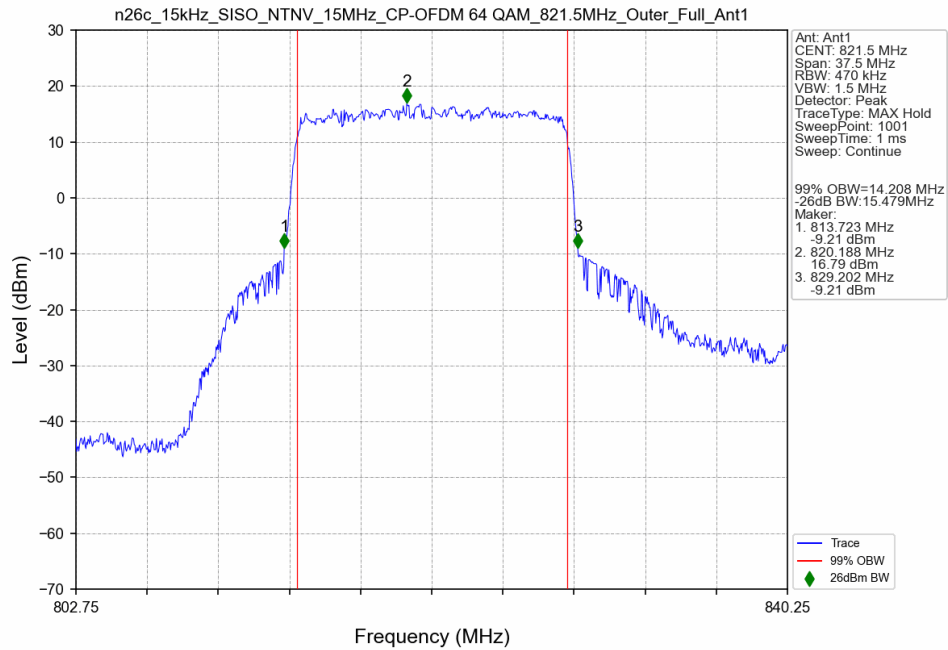
n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full Ant1



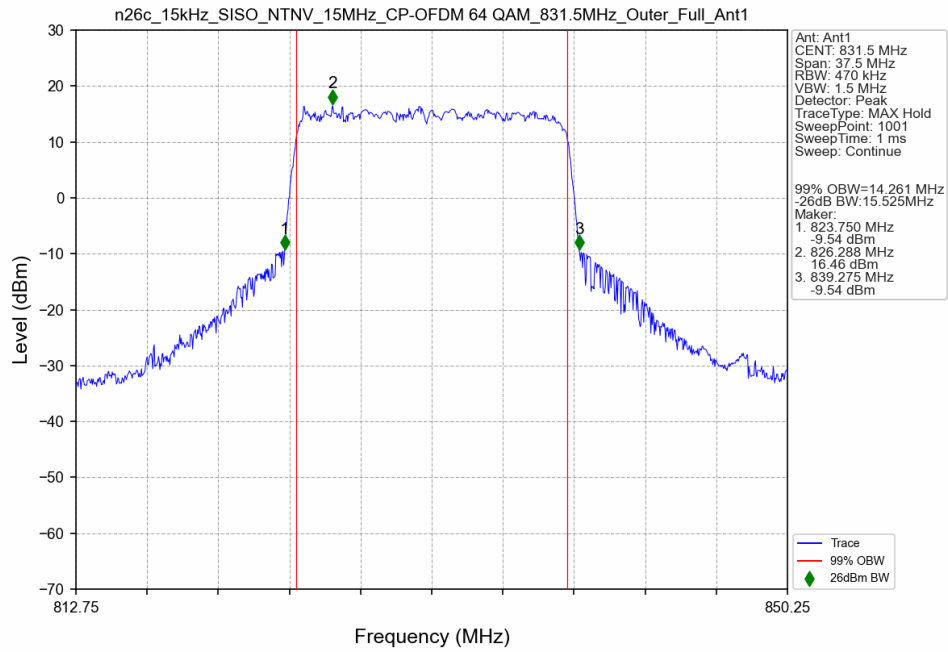
n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full Ant1



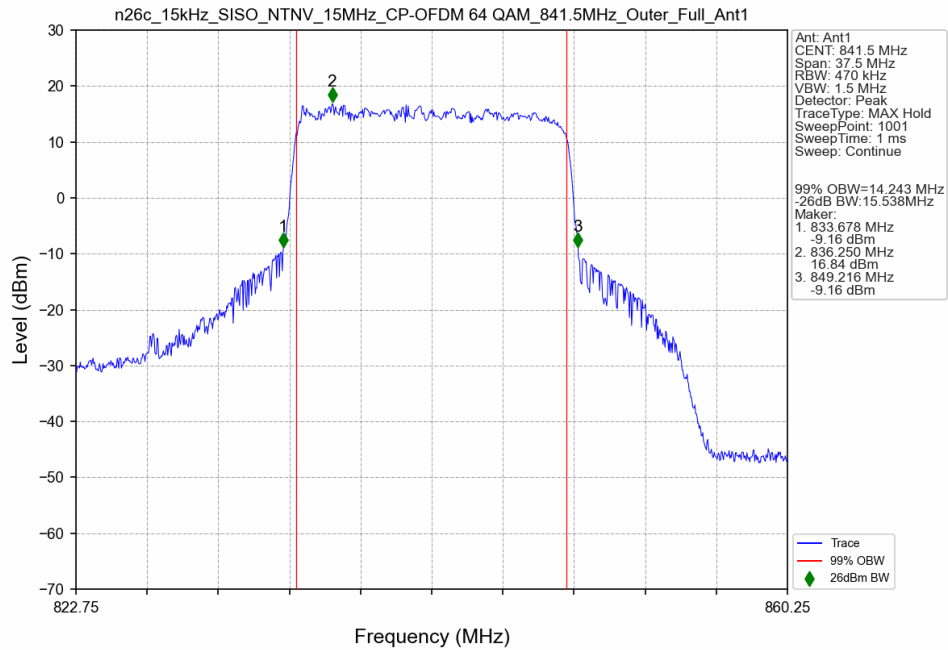
n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 821.5MHz Outer Full Ant1



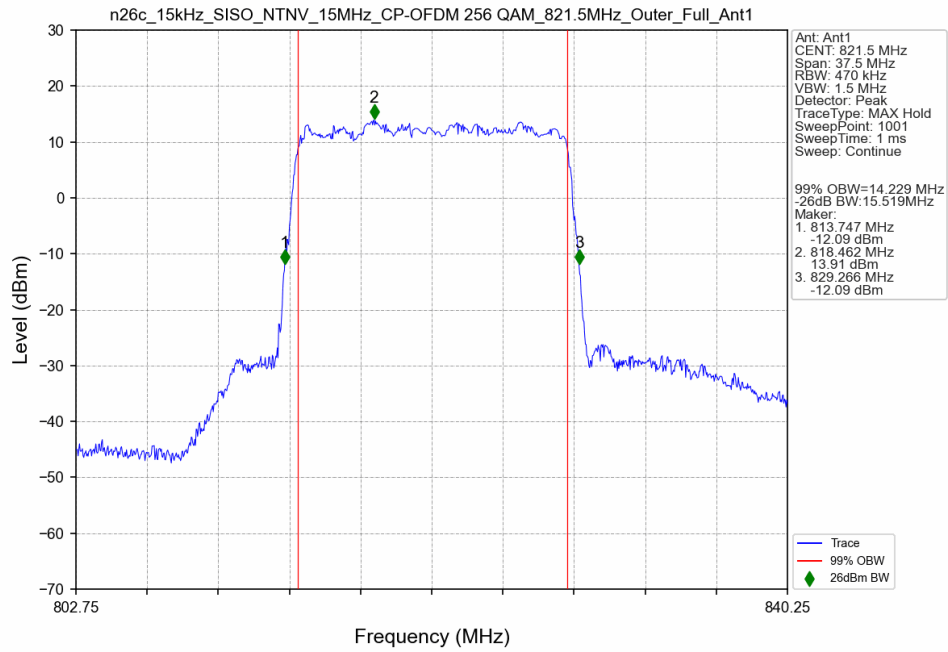
n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 831.5MHz Outer Full Ant1



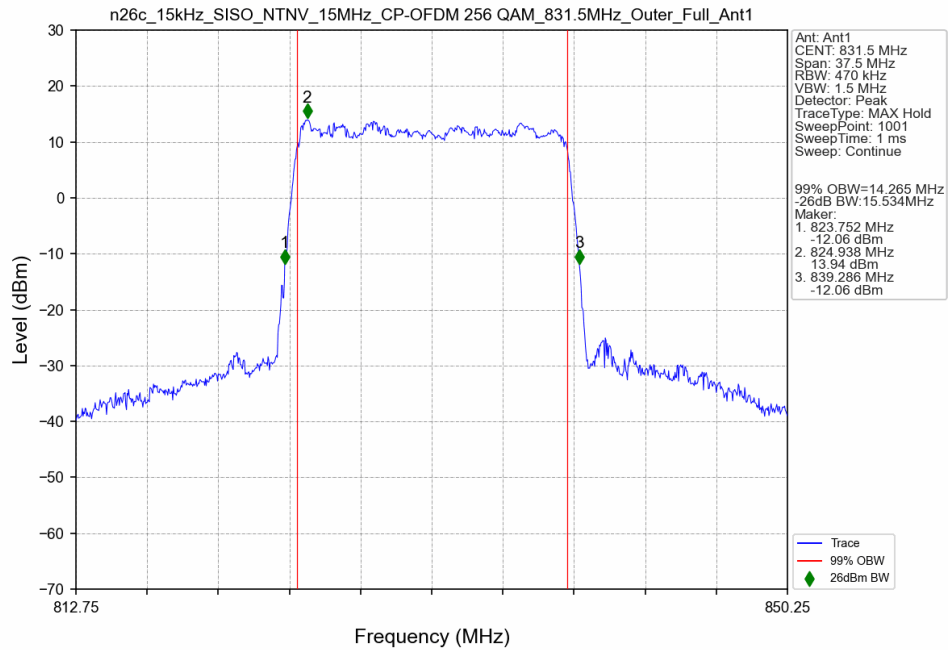
n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 841.5MHz Outer Full Ant1



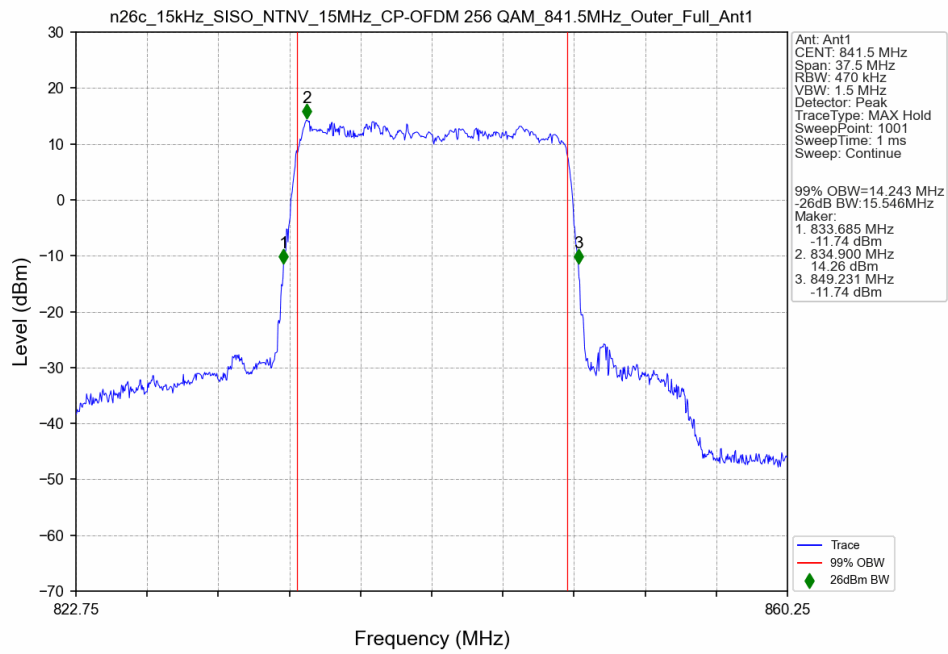
n26c 15kHz SISO NTV 15MHz CP-OFDM 256 QAM 821.5MHz Outer Full Ant1



n26c 15kHz SISO NTV 15MHz CP-OFDM 256 QAM 831.5MHz Outer Full Ant1



n26c 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 841.5MHz Outer Full Ant1



4. Peak-Average Ratio

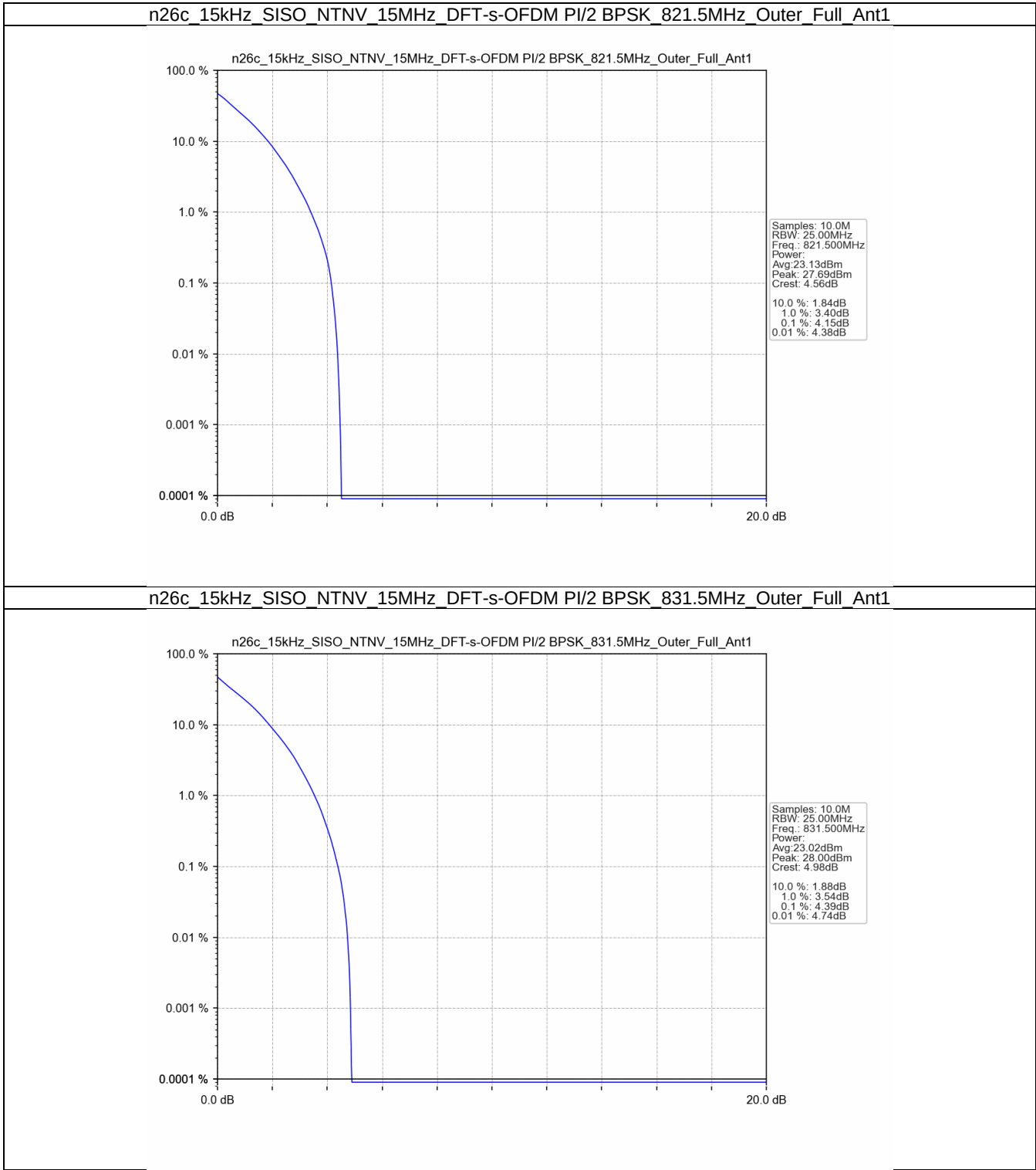
4.1 Test Result

4.1.1 15k_SISO_15MHz_NTNV

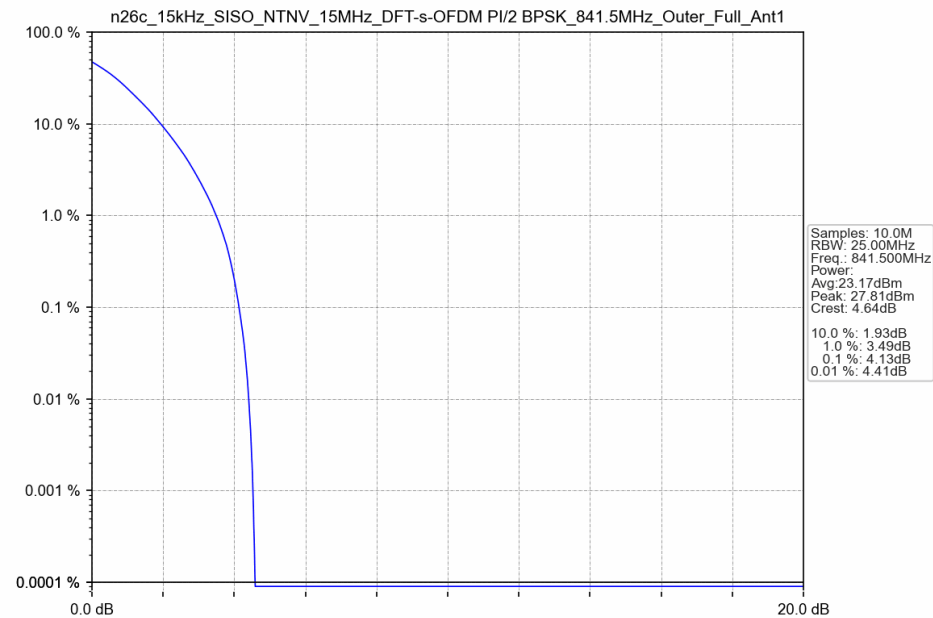
5G NR n26c SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	821.5	Outer_Full	4.15	/	/	<=13	Pass
	831.5	Outer_Full	4.39	/	/	<=13	Pass
	841.5	Outer_Full	4.13	/	/	<=13	Pass
DFT-s-OFDM QPSK	821.5	Outer_Full	5.05	/	/	<=13	Pass
	831.5	Outer_Full	4.72	/	/	<=13	Pass
	841.5	Outer_Full	5.00	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	821.5	Outer_Full	5.92	/	/	<=13	Pass
	831.5	Outer_Full	5.70	/	/	<=13	Pass
	841.5	Outer_Full	5.82	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	821.5	Outer_Full	6.20	/	/	<=13	Pass
	831.5	Outer_Full	6.13	/	/	<=13	Pass
	841.5	Outer_Full	6.16	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	821.5	Outer_Full	6.84	/	/	<=13	Pass
	831.5	Outer_Full	6.85	/	/	<=13	Pass
	841.5	Outer_Full	6.81	/	/	<=13	Pass
CP-OFDM QPSK	821.5	Outer_Full	7.12	/	/	<=13	Pass
	831.5	Outer_Full	6.76	/	/	<=13	Pass
	841.5	Outer_Full	7.05	/	/	<=13	Pass
CP-OFDM 16 QAM	821.5	Outer_Full	7.13	/	/	<=13	Pass
	831.5	Outer_Full	6.80	/	/	<=13	Pass
	841.5	Outer_Full	7.04	/	/	<=13	Pass
CP-OFDM 64 QAM	821.5	Outer_Full	7.54	/	/	<=13	Pass
	831.5	Outer_Full	7.35	/	/	<=13	Pass
	841.5	Outer_Full	7.48	/	/	<=13	Pass
CP-OFDM 256 QAM	821.5	Outer_Full	8.86	/	/	<=13	Pass
	831.5	Outer_Full	8.86	/	/	<=13	Pass
	841.5	Outer_Full	8.80	/	/	<=13	Pass

4.2 Test Graph

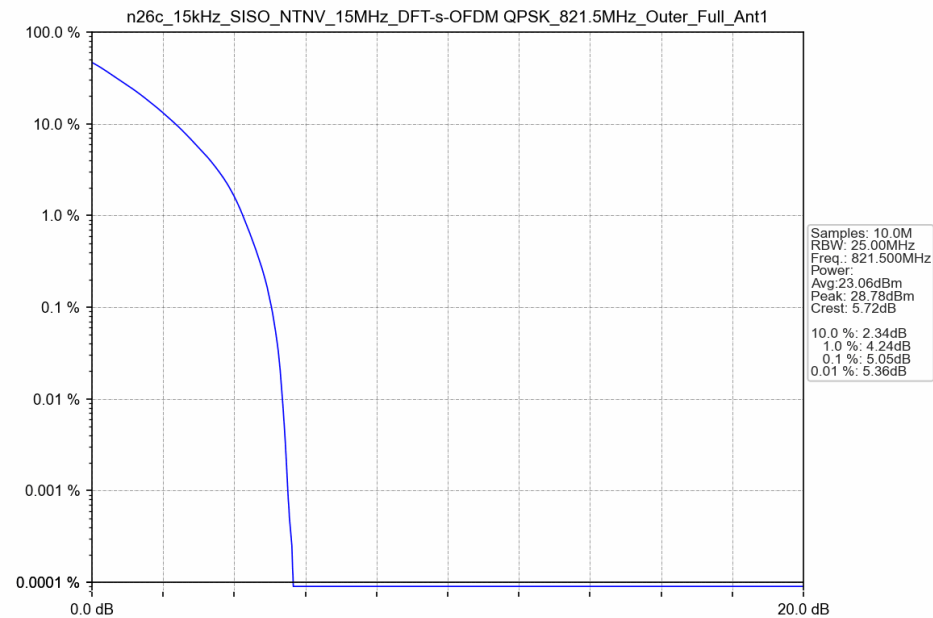
4.2.1 15k_SISO_15MHz_NTNV



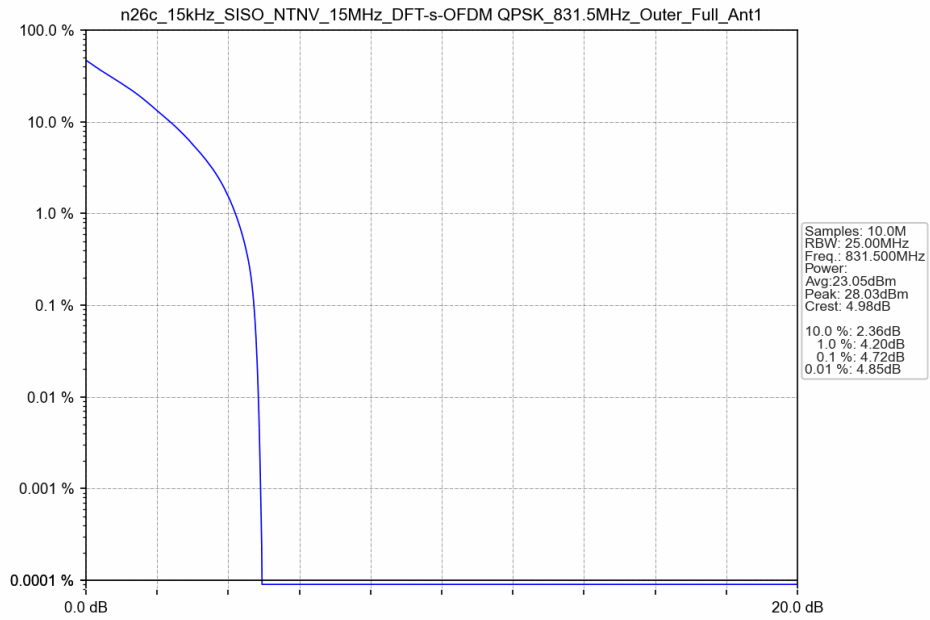
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Outer Full Ant1



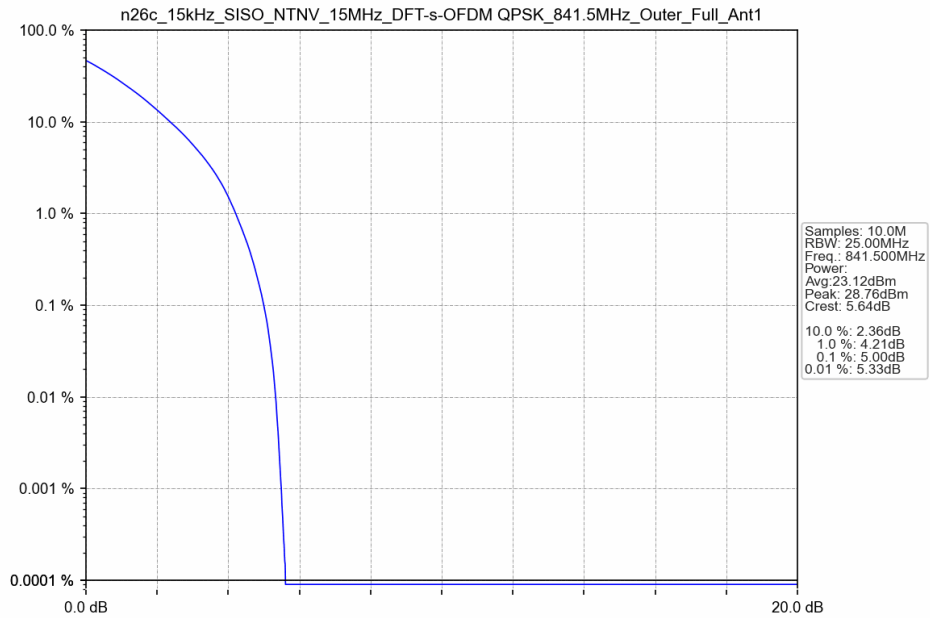
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Outer Full Ant1



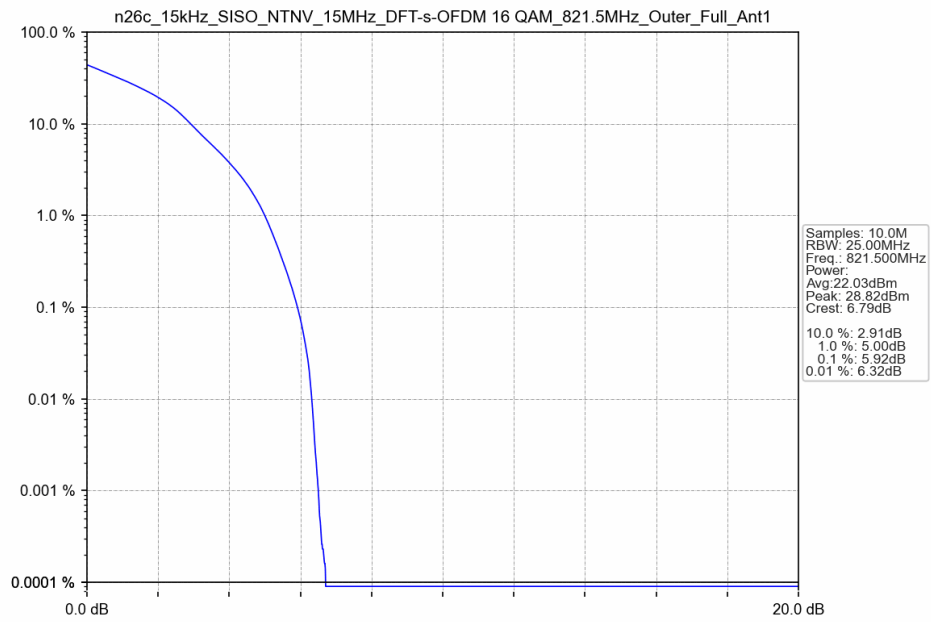
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 831.5MHz Outer Full Ant1



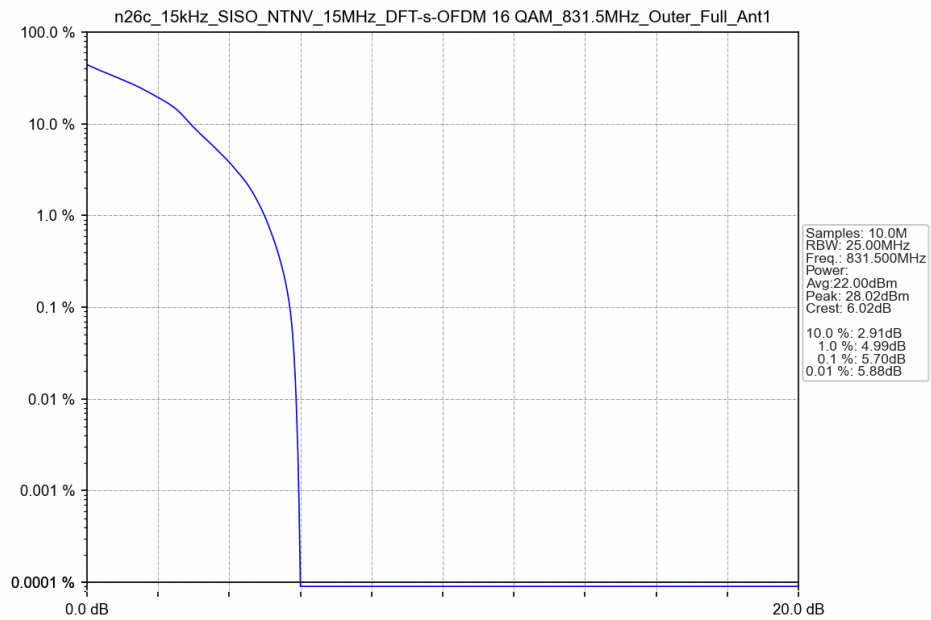
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full Ant1



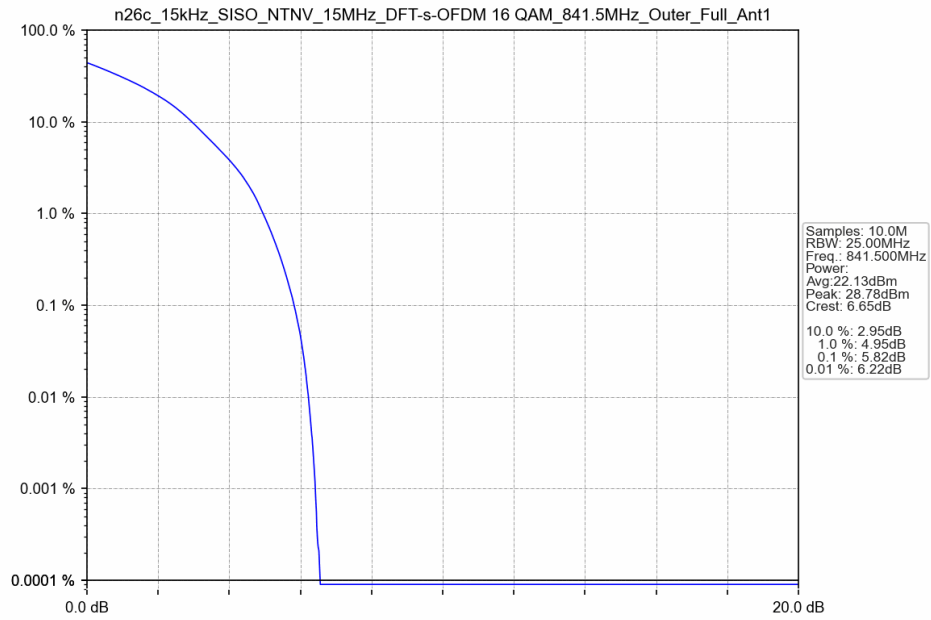
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 821.5MHz Outer Full Ant1



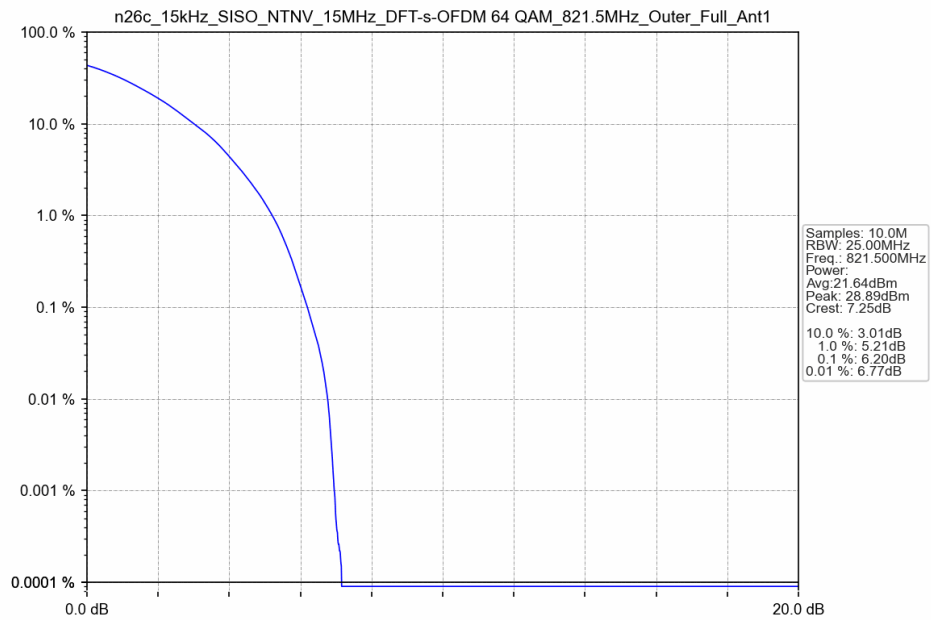
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full Ant1



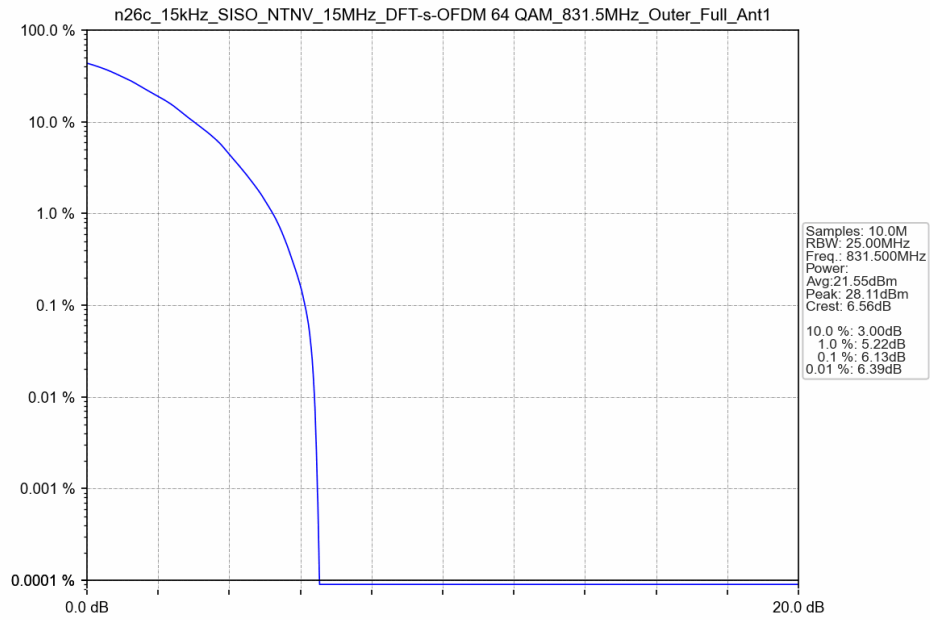
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full Ant1



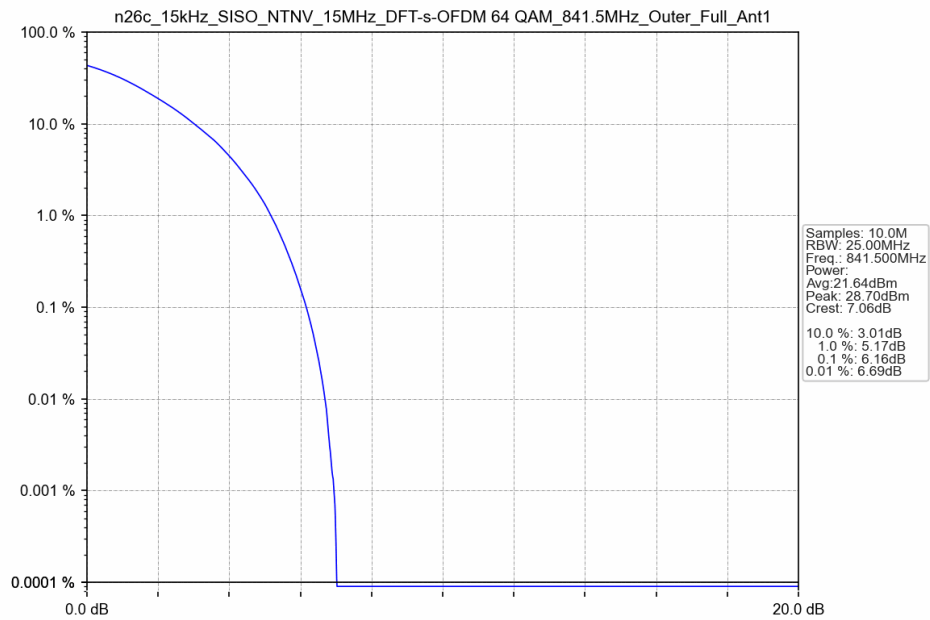
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 821.5MHz Outer Full Ant1



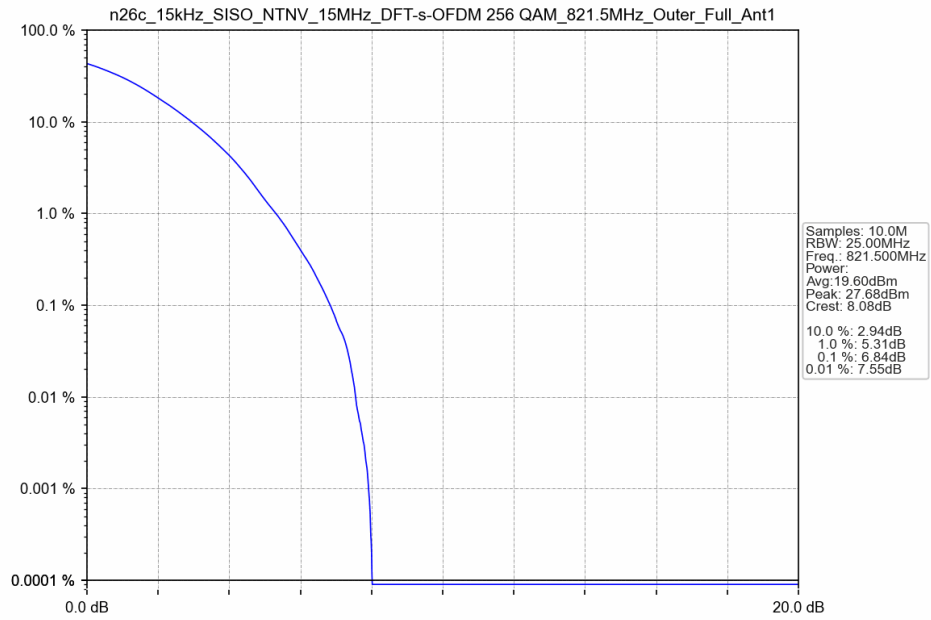
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full Ant1



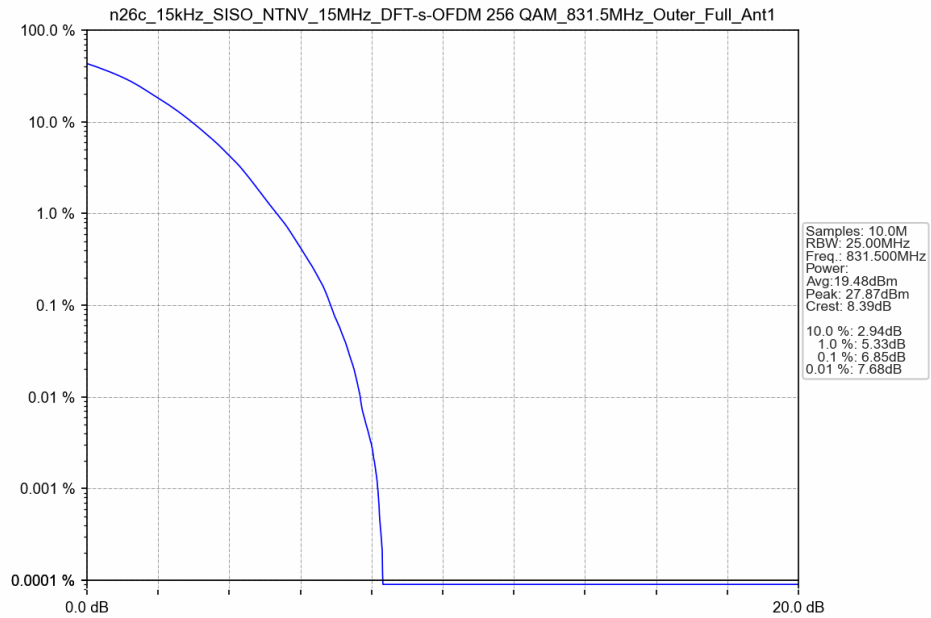
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 841.5MHz Outer Full Ant1



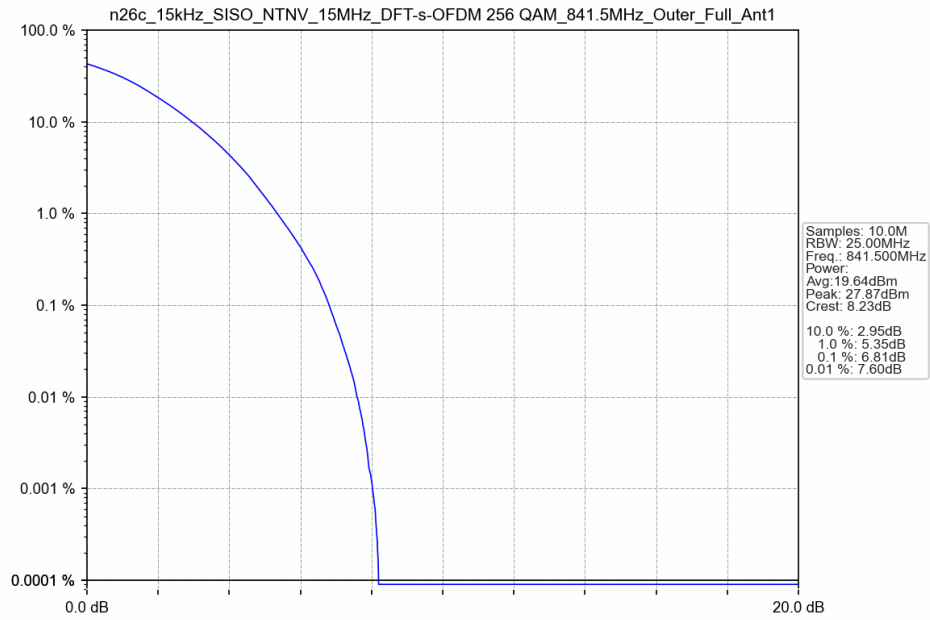
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 821.5MHz Outer Full Ant1



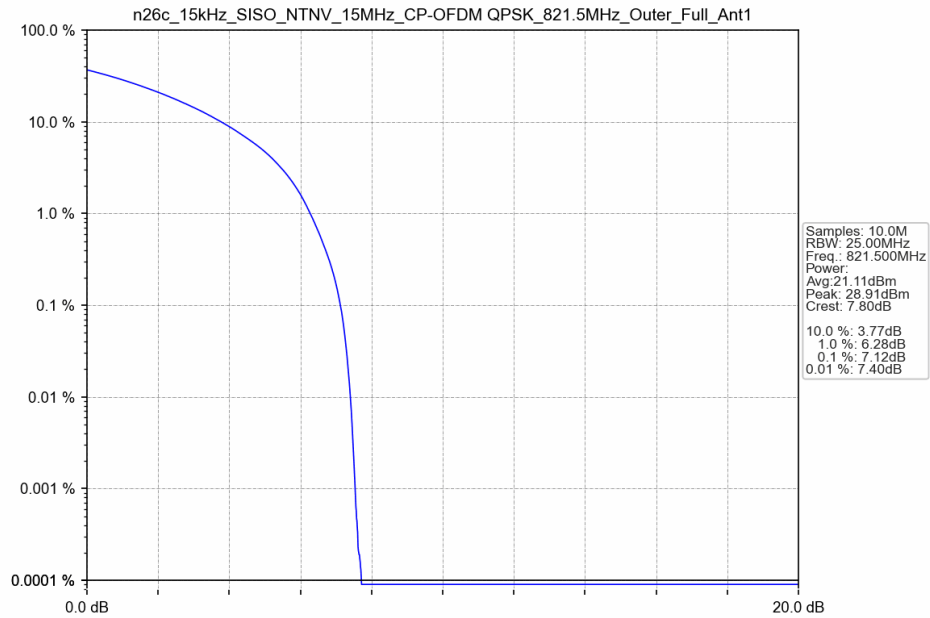
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 831.5MHz Outer Full Ant1



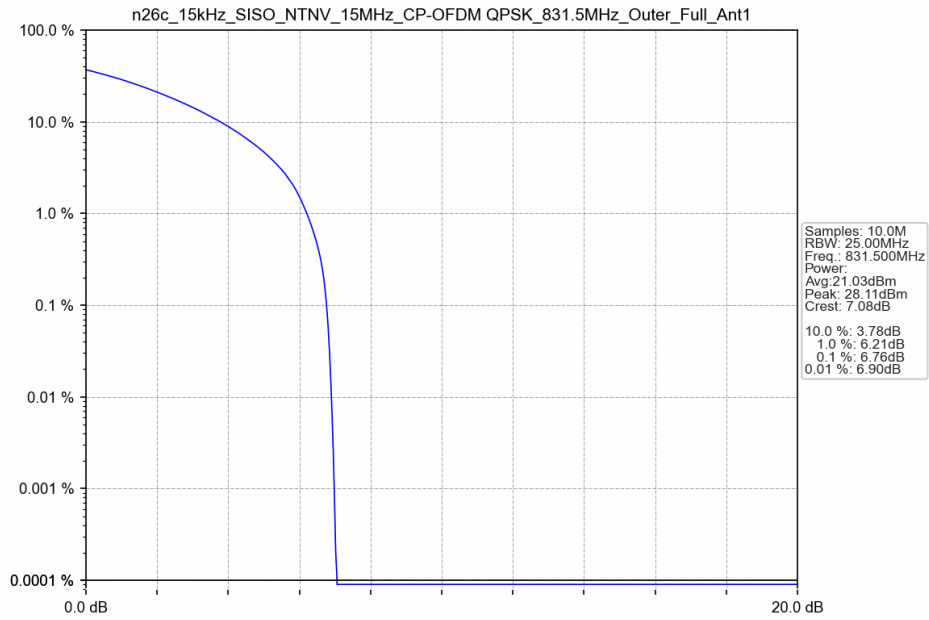
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 841.5MHz Outer Full Ant1



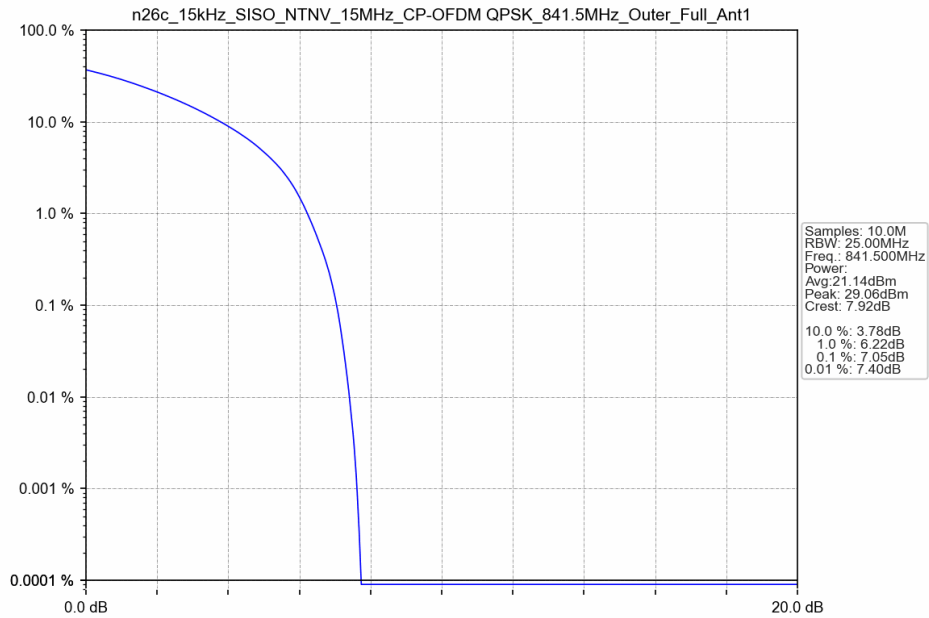
n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 821.5MHz Outer Full Ant1



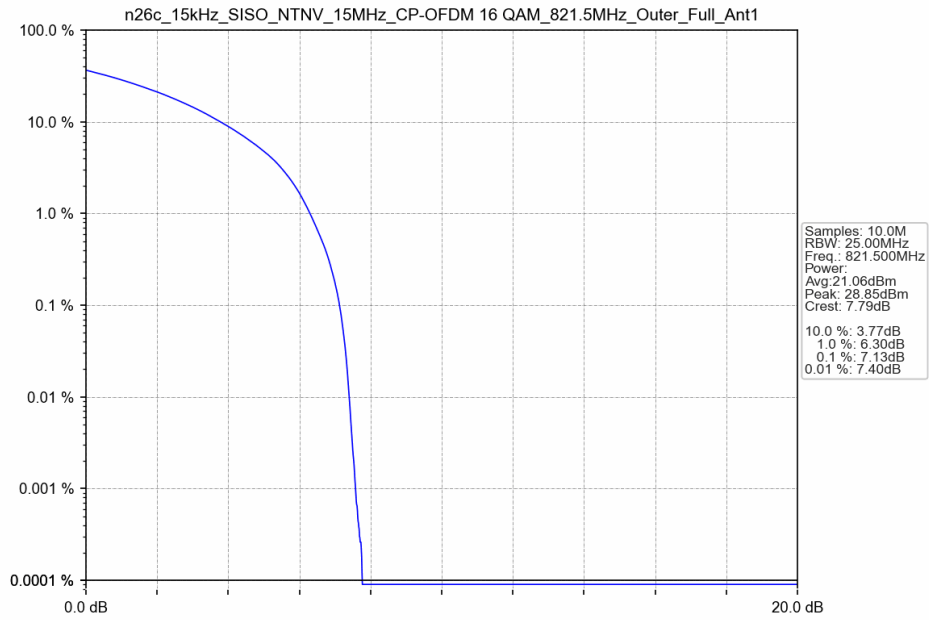
n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full Ant1



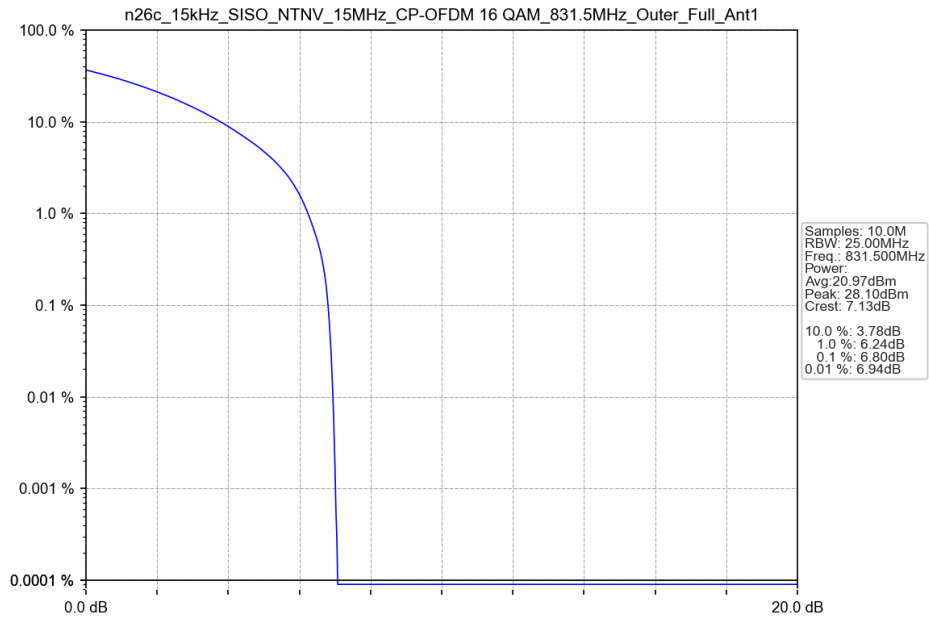
n26c 15kHz SISO NTN 15MHz CP-OFDM QPSK 841.5MHz Outer Full Ant1



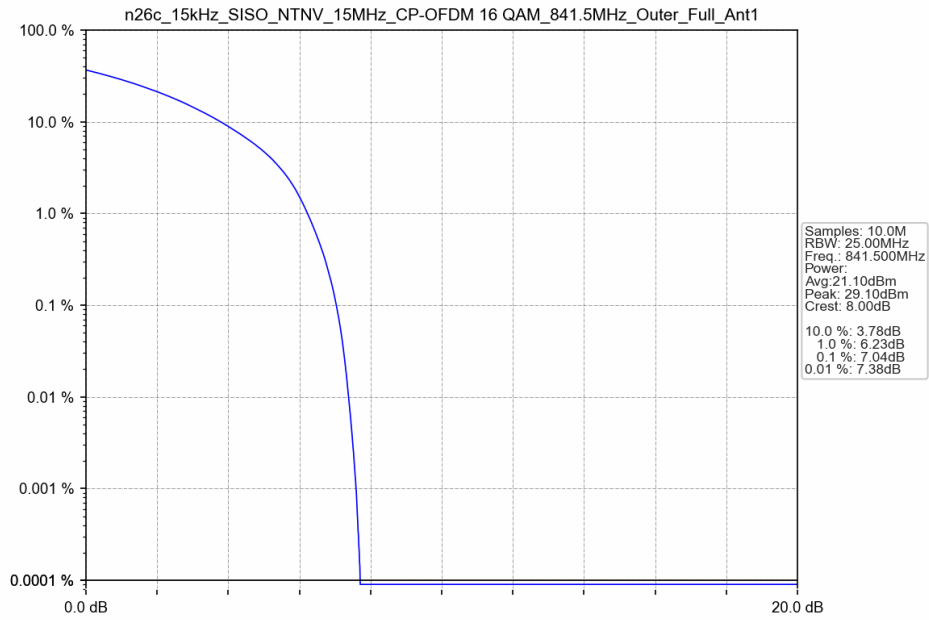
n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 821.5MHz Outer Full Ant1



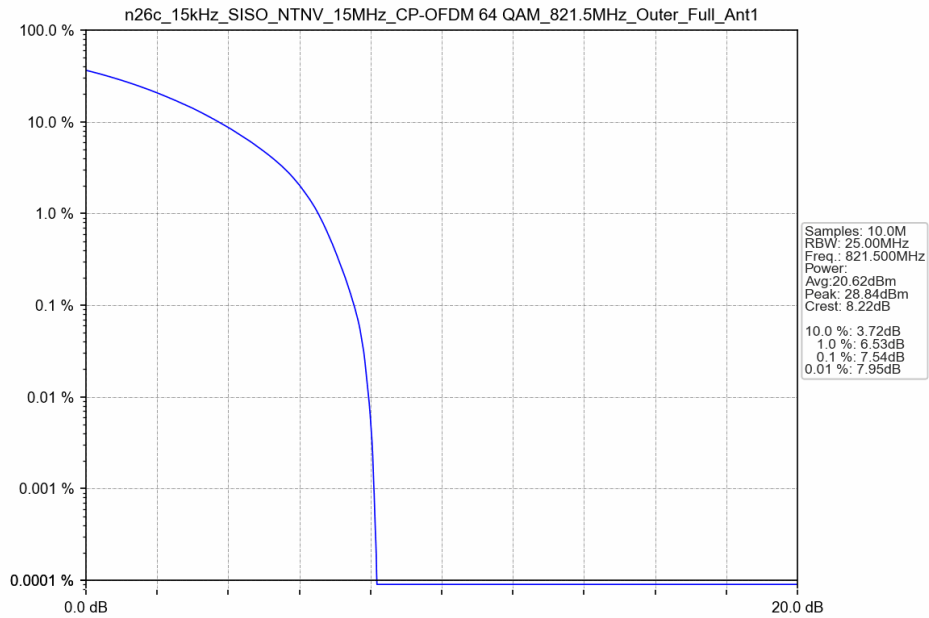
n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full Ant1



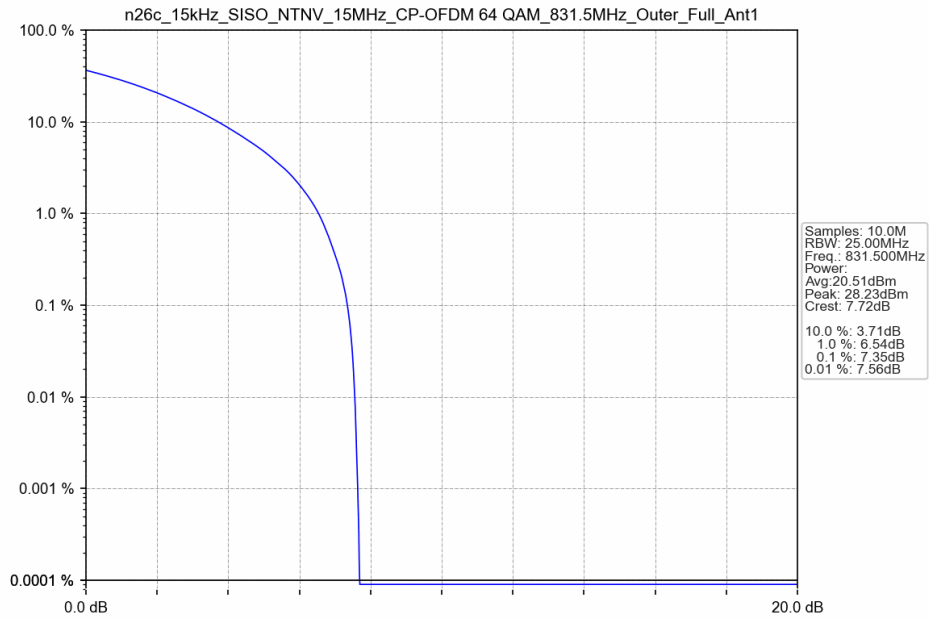
n26c 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full Ant1



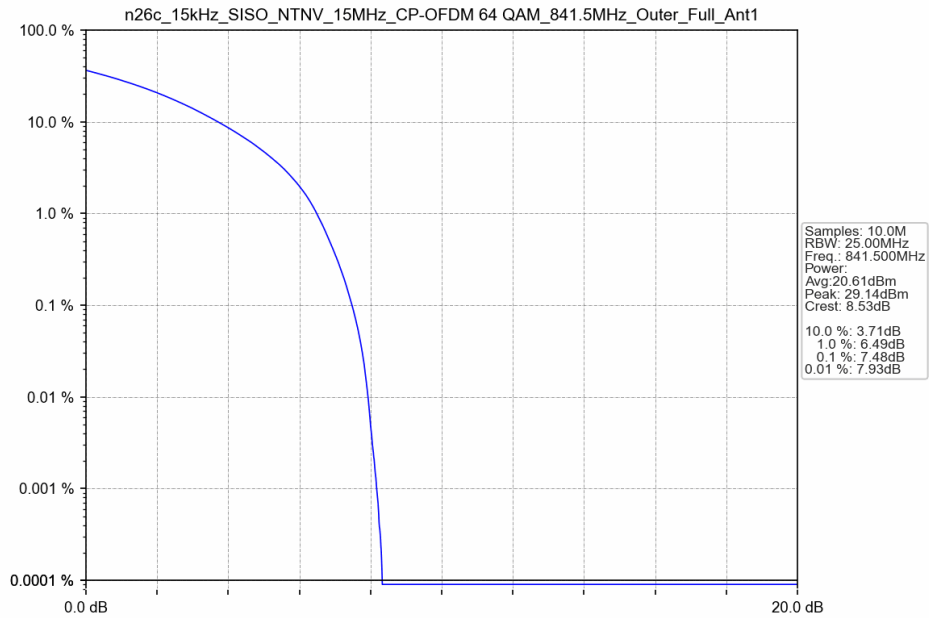
n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 821.5MHz Outer Full Ant1



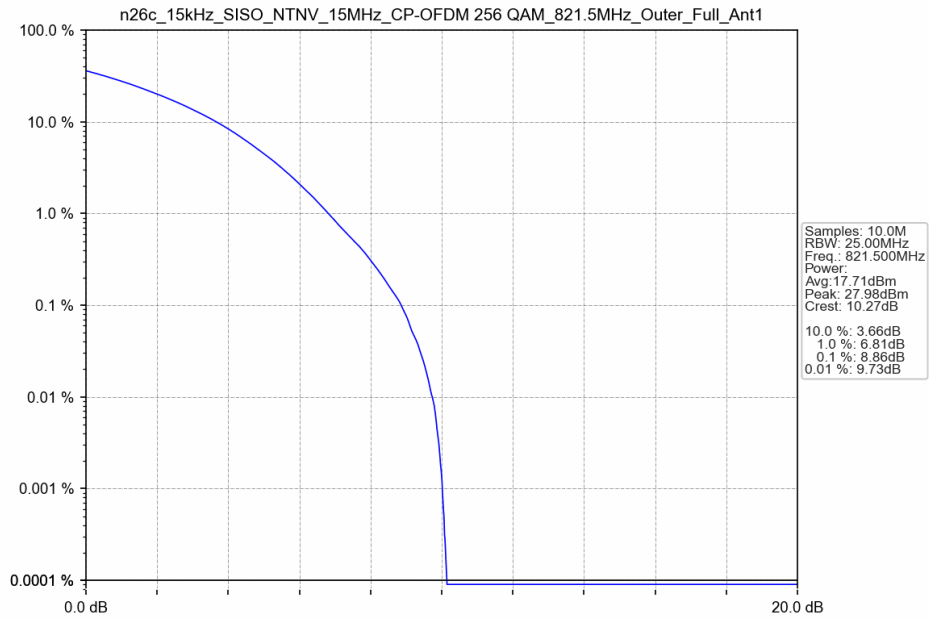
n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 831.5MHz Outer Full Ant1



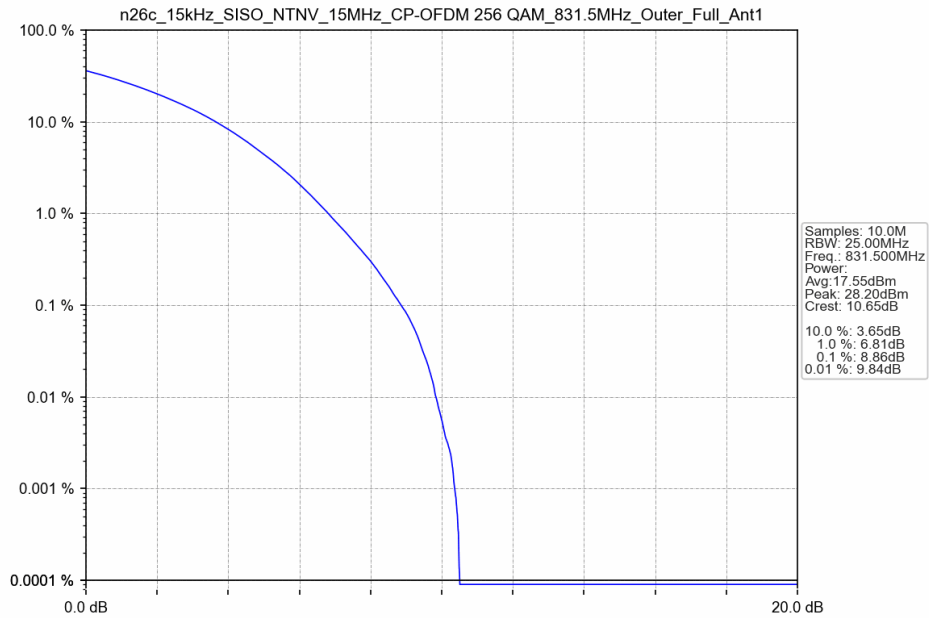
n26c 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 841.5MHz Outer Full Ant1



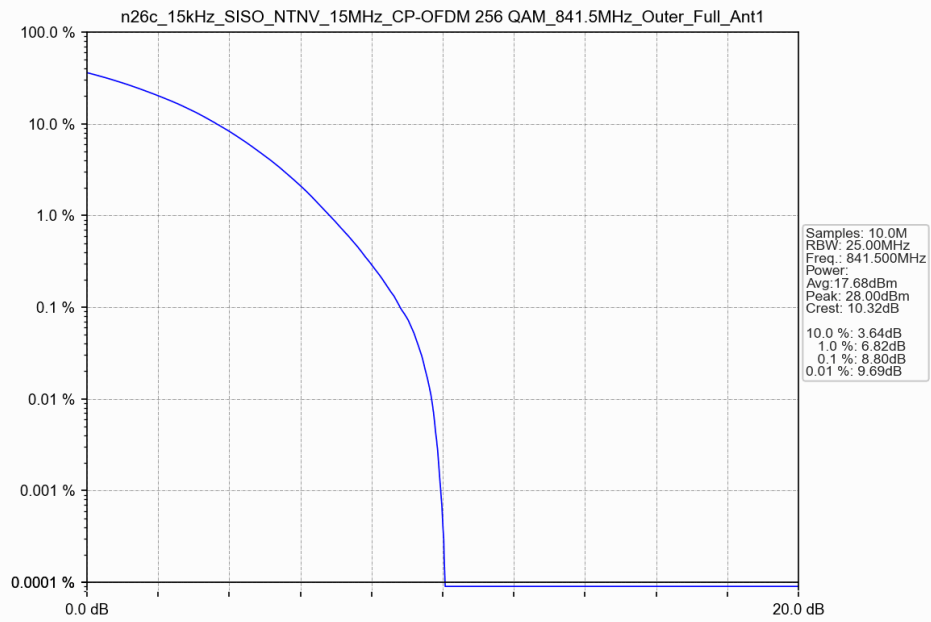
n26c 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 821.5MHz Outer Full Ant1



n26c 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 831.5MHz Outer Full Ant1



n26c 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 841.5MHz Outer Full Ant1



5. Spurious Emission

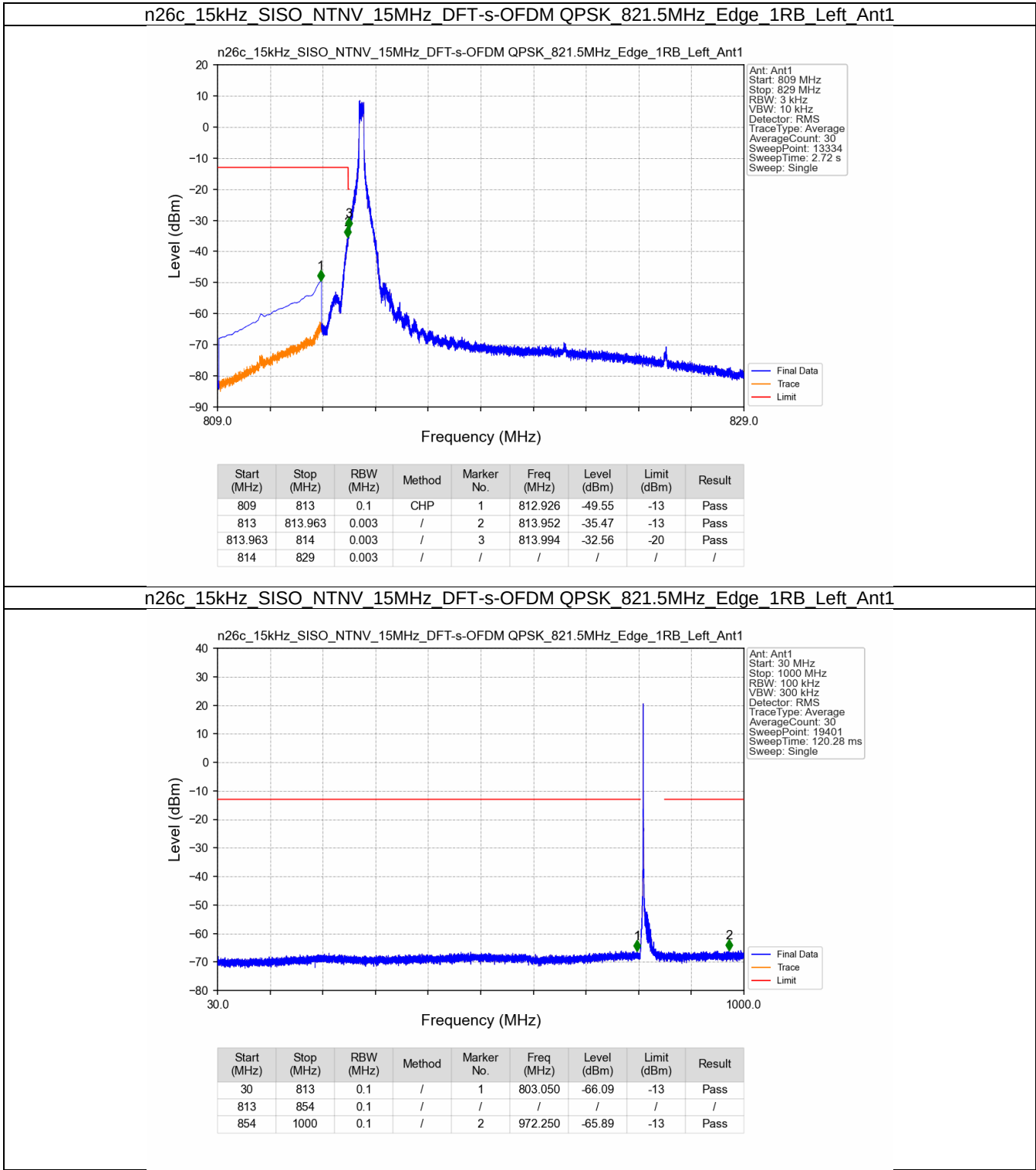
5.1 Test Result

5.1.1 15k_SISO_15MHz_NTNV

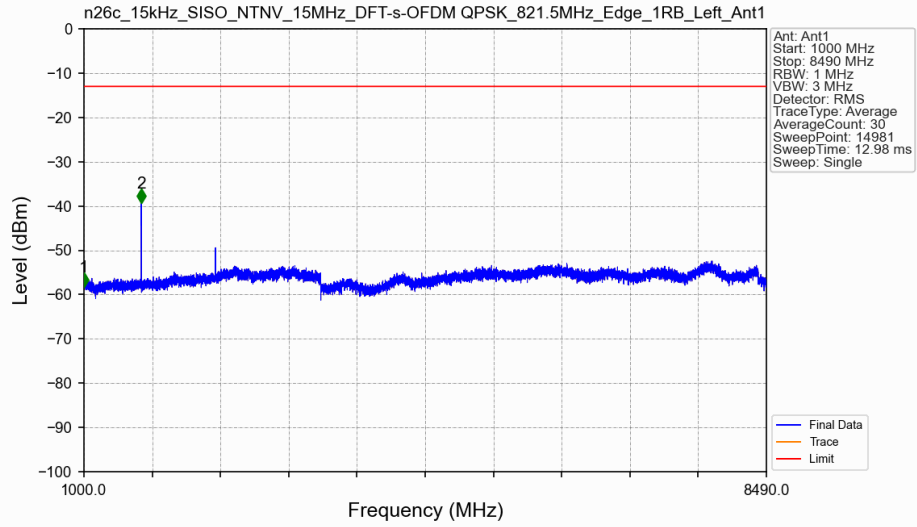
5G NR n26c SCS=15kHz SISO 15MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	821.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	831.5	Edge_1RB_Left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

5.2 Test Graph

5.2.1 15k_SISO_15MHz_NTNV

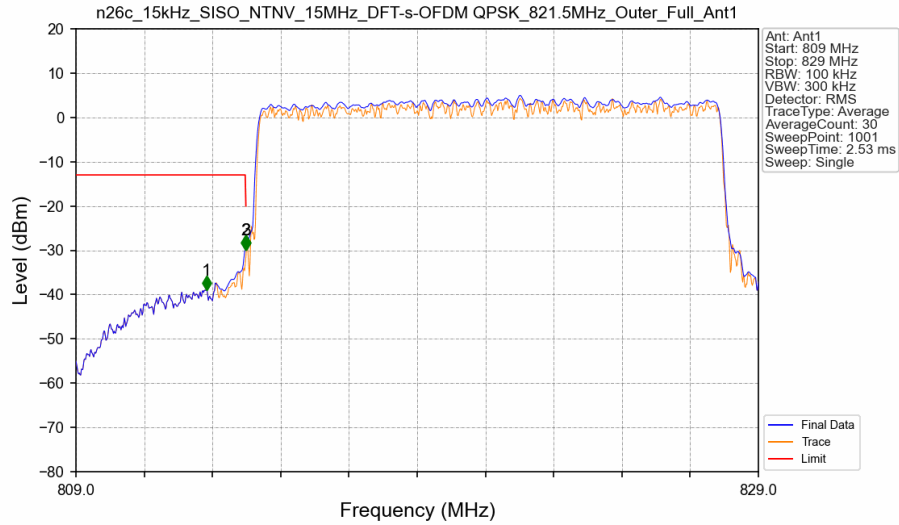


n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Edge 1RB Left Ant1



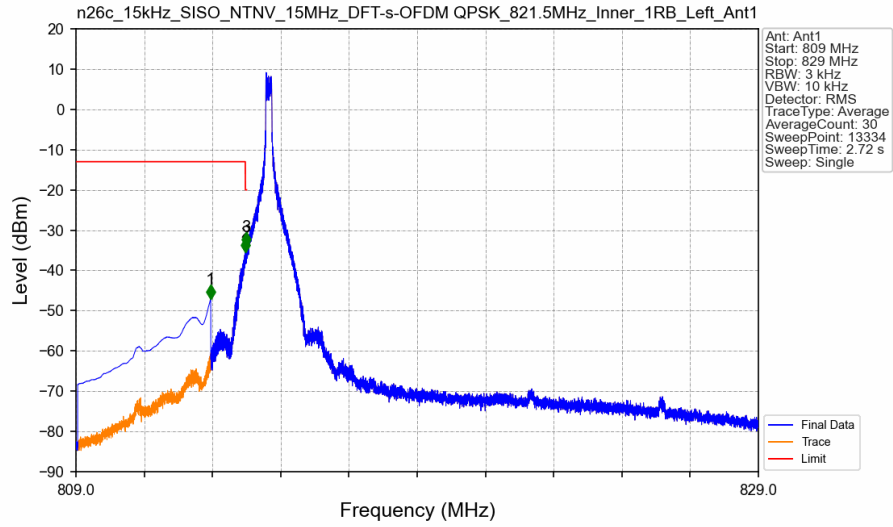
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-58.32	-13	Pass
1000	8490	1	/	2	1629.000	-39.24	-13	Pass

n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Outer Full Ant1

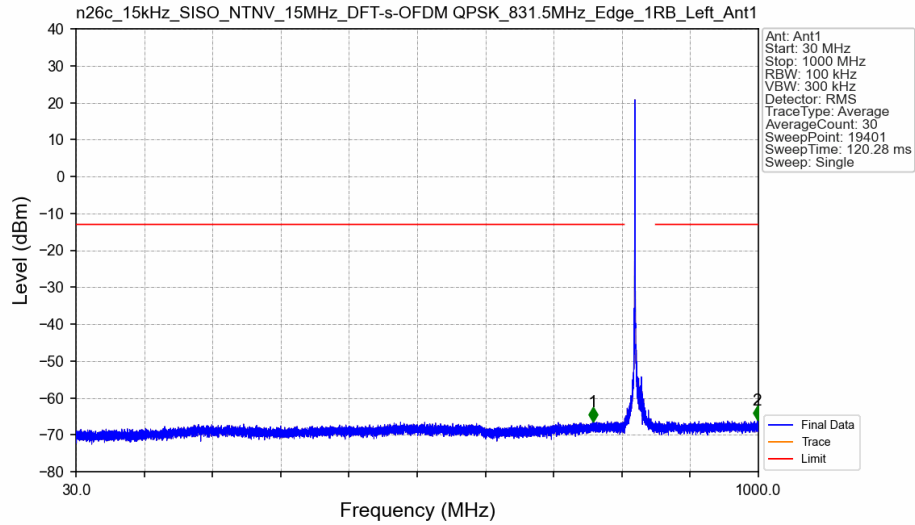


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	/	1	812.820	-38.95	-13	Pass
813	813.963	0.14853	CHP	2	813.960	-29.93	-13	Pass
813.963	814	0.14853	CHP	3	813.980	-29.84	-20	Pass
814	829	0.14853	CHP	/	/	/	/	/

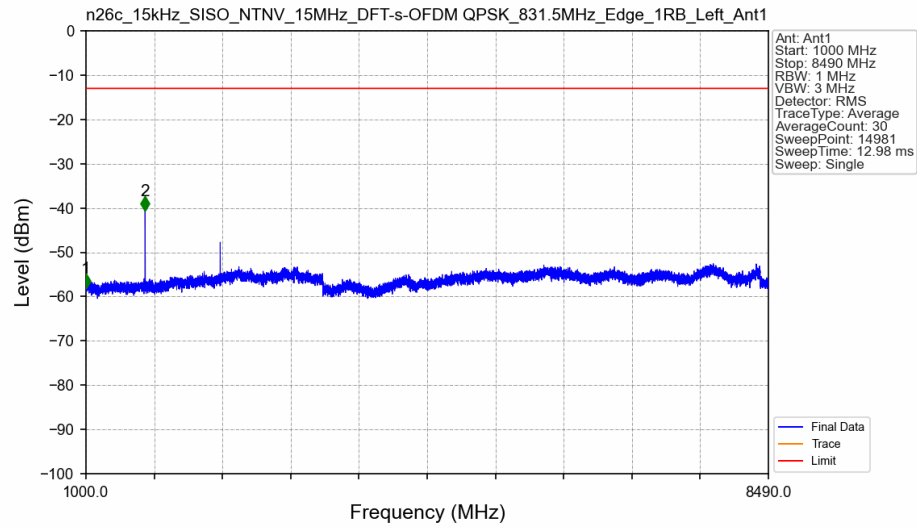
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 821.5MHz Inner 1RB Left Ant1



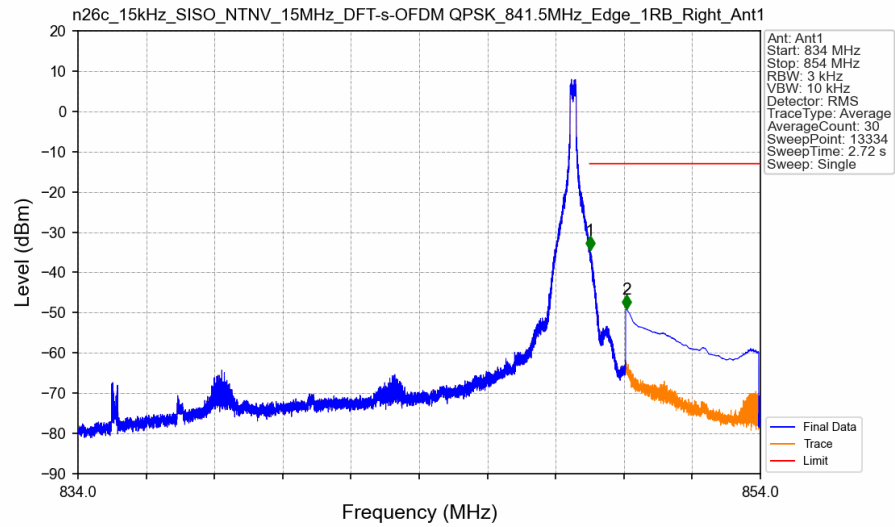
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 831.5MHz Edge 1RB Left Ant1



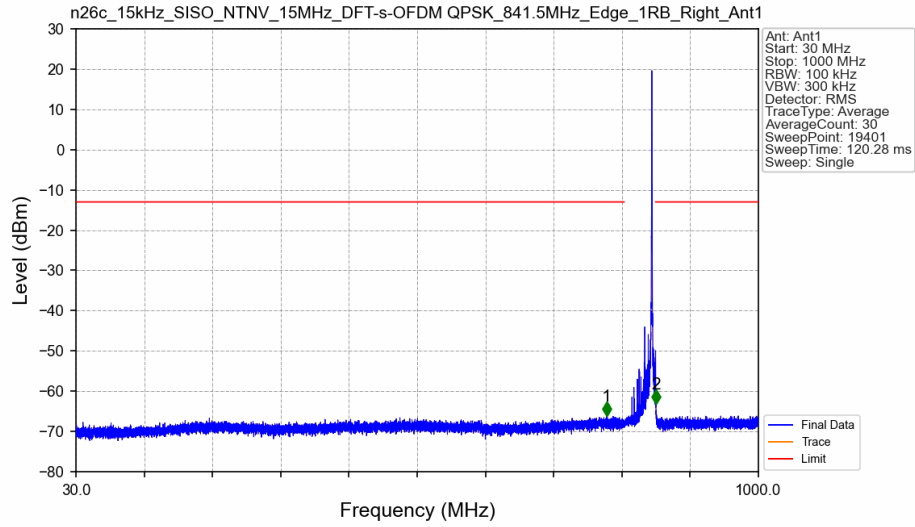
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 831.5MHz Edge 1RB Left Ant1



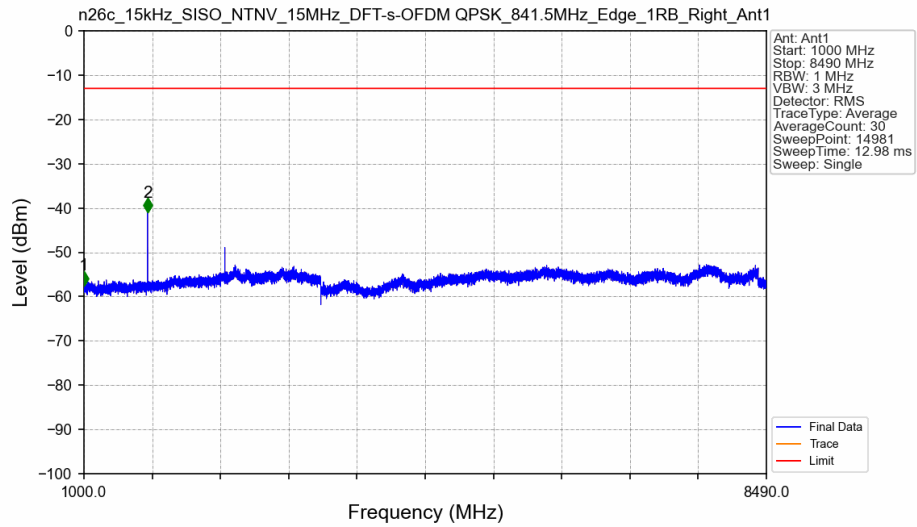
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Edge 1RB Right Ant1



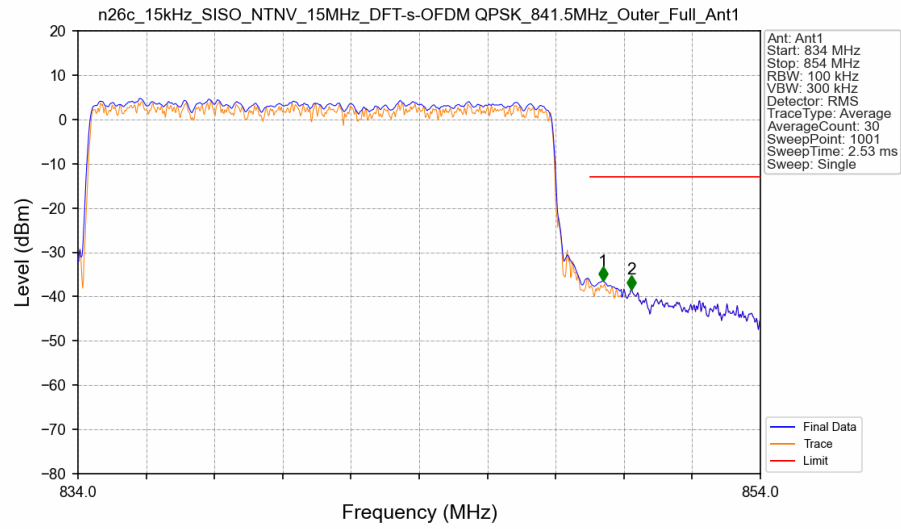
n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Edge 1RB Right Ant1



n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Edge 1RB Right Ant1

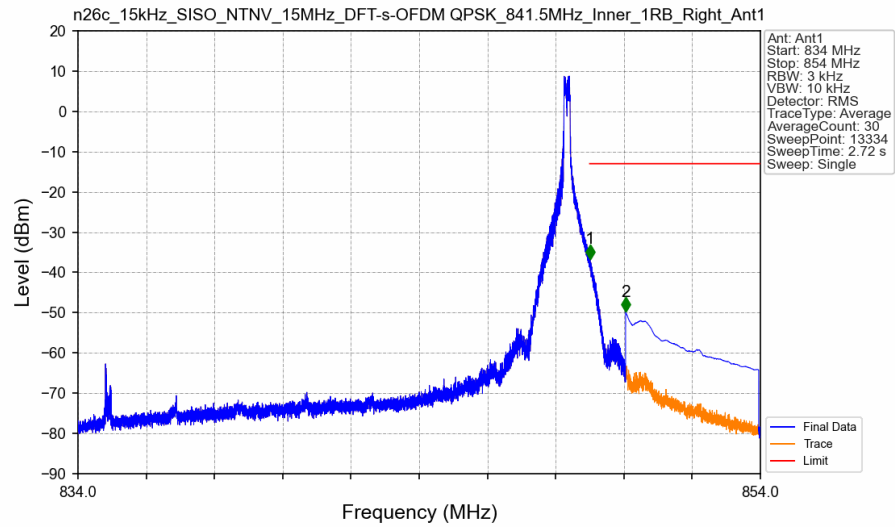


n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.14897	CHP	/	/	/	/	/
849	850	0.14897	CHP	1	849.380	-36.47	-13	Pass
850	854	0.1	/	2	850.220	-38.32	-13	Pass

n26c 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Inner 1RB Right Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-36.54	-13	Pass
850	854	0.1	CHP	2	850.050	-49.63	-13	Pass