

1. Effective (Isotropic) Radiated Power Output Data

1.1 15k_SISO_5MHz_NTNV_ERP

1.1.1 Test Result

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	23.77	/	/	18.12	/	/	<=38.45	Pass
		Edge_1RB_Right	23.65	/	/	18.00	/	/	<=38.45	Pass
		Outer_Full	23.78	/	/	18.13	/	/	<=38.45	Pass
		Inner_Full	23.69	/	/	18.04	/	/	<=38.45	Pass
		Inner_1RB_Left	23.63	/	/	17.98	/	/	<=38.45	Pass
		Inner_1RB_Right	23.68	/	/	18.03	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.72	/	/	18.07	/	/	<=38.45	Pass
		Edge_1RB_Right	23.79	/	/	18.14	/	/	<=38.45	Pass
		Outer_Full	23.70	/	/	18.05	/	/	<=38.45	Pass
		Inner_Full	23.67	/	/	18.02	/	/	<=38.45	Pass
		Inner_1RB_Left	23.74	/	/	18.09	/	/	<=38.45	Pass
		Inner_1RB_Right	23.79	/	/	18.14	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.66	/	/	18.01	/	/	<=38.45	Pass
		Edge_1RB_Right	23.59	/	/	17.94	/	/	<=38.45	Pass
		Outer_Full	23.59	/	/	17.94	/	/	<=38.45	Pass
		Inner_Full	23.63	/	/	17.98	/	/	<=38.45	Pass
		Inner_1RB_Left	23.69	/	/	18.04	/	/	<=38.45	Pass
		Inner_1RB_Right	23.66	/	/	18.01	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	826.5	Edge_1RB_Left	23.71	/	/	18.06	/	/	<=38.45	Pass
		Edge_1RB_Right	23.82	/	/	18.17	/	/	<=38.45	Pass
		Outer_Full	23.75	/	/	18.10	/	/	<=38.45	Pass
		Inner_Full	23.66	/	/	18.01	/	/	<=38.45	Pass
		Inner_1RB_Left	23.84	/	/	18.19	/	/	<=38.45	Pass
		Inner_1RB_Right	23.80	/	/	18.15	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.65	/	/	18.00	/	/	<=38.45	Pass
		Edge_1RB_Right	23.74	/	/	18.09	/	/	<=38.45	Pass
		Outer_Full	23.66	/	/	18.01	/	/	<=38.45	Pass
		Inner_Full	23.66	/	/	18.01	/	/	<=38.45	Pass
		Inner_1RB_Left	23.68	/	/	18.03	/	/	<=38.45	Pass
		Inner_1RB_Right	23.66	/	/	18.01	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.71	/	/	18.06	/	/	<=38.45	Pass
		Edge_1RB_Right	23.56	/	/	17.91	/	/	<=38.45	Pass
		Outer_Full	23.60	/	/	17.95	/	/	<=38.45	Pass
		Inner_Full	23.61	/	/	17.96	/	/	<=38.45	Pass
		Inner_1RB_Left	23.69	/	/	18.04	/	/	<=38.45	Pass
		Inner_1RB_Right	23.56	/	/	17.91	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge_1RB_Left	22.65	/	/	17.00	/	/	<=38.45	Pass
		Edge_1RB_Right	22.78	/	/	17.13	/	/	<=38.45	Pass
		Outer_Full	22.71	/	/	17.06	/	/	<=38.45	Pass
		Inner_Full	23.84	/	/	18.19	/	/	<=38.45	Pass
		Inner_1RB_Left	23.56	/	/	17.91	/	/	<=38.45	Pass
		Inner_1RB_Right	23.73	/	/	18.08	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.80	/	/	17.15	/	/	<=38.45	Pass
		Edge_1RB_Right	22.86	/	/	17.21	/	/	<=38.45	Pass
		Outer_Full	22.67	/	/	17.02	/	/	<=38.45	Pass
		Inner_Full	23.77	/	/	18.12	/	/	<=38.45	Pass
		Inner_1RB_Left	23.76	/	/	18.11	/	/	<=38.45	Pass
		Inner_1RB_Right	23.59	/	/	17.94	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.78	/	/	17.13	/	/	<=38.45	Pass

		Edge_1RB_Right	22.66	/	/	17.01	/	/	<=38.45	Pass
		Outer_Full	22.62	/	/	16.97	/	/	<=38.45	Pass
		Inner_Full	23.76	/	/	18.11	/	/	<=38.45	Pass
		Inner_1RB_Left	23.70	/	/	18.05	/	/	<=38.45	Pass
		Inner_1RB_Right	23.54	/	/	17.89	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge_1RB_Left	22.60	/	/	16.95	/	/	<=38.45	Pass
		Edge_1RB_Right	22.55	/	/	16.90	/	/	<=38.45	Pass
		Outer_Full	22.26	/	/	16.61	/	/	<=38.45	Pass
		Inner_Full	22.29	/	/	16.64	/	/	<=38.45	Pass
		Inner_1RB_Left	22.59	/	/	16.94	/	/	<=38.45	Pass
		Inner_1RB_Right	22.56	/	/	16.91	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.49	/	/	16.84	/	/	<=38.45	Pass
		Edge_1RB_Right	22.55	/	/	16.90	/	/	<=38.45	Pass
		Outer_Full	22.14	/	/	16.49	/	/	<=38.45	Pass
		Inner_Full	22.19	/	/	16.54	/	/	<=38.45	Pass
		Inner_1RB_Left	22.51	/	/	16.86	/	/	<=38.45	Pass
		Inner_1RB_Right	22.49	/	/	16.84	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.51	/	/	16.86	/	/	<=38.45	Pass
		Edge_1RB_Right	22.39	/	/	16.74	/	/	<=38.45	Pass
		Outer_Full	22.10	/	/	16.45	/	/	<=38.45	Pass
		Inner_Full	22.17	/	/	16.52	/	/	<=38.45	Pass
		Inner_1RB_Left	22.51	/	/	16.86	/	/	<=38.45	Pass
		Inner_1RB_Right	22.39	/	/	16.74	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Edge_1RB_Left	19.78	/	/	14.13	/	/	<=38.45	Pass
		Edge_1RB_Right	19.74	/	/	14.09	/	/	<=38.45	Pass
		Outer_Full	20.13	/	/	14.48	/	/	<=38.45	Pass
		Inner_Full	20.27	/	/	14.62	/	/	<=38.45	Pass
		Inner_1RB_Left	19.83	/	/	14.18	/	/	<=38.45	Pass
		Inner_1RB_Right	19.85	/	/	14.20	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.62	/	/	13.97	/	/	<=38.45	Pass
		Edge_1RB_Right	19.76	/	/	14.11	/	/	<=38.45	Pass
		Outer_Full	20.09	/	/	14.44	/	/	<=38.45	Pass
		Inner_Full	20.13	/	/	14.48	/	/	<=38.45	Pass
		Inner_1RB_Left	19.68	/	/	14.03	/	/	<=38.45	Pass
		Inner_1RB_Right	19.75	/	/	14.10	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	19.66	/	/	14.01	/	/	<=38.45	Pass
		Edge_1RB_Right	19.56	/	/	13.91	/	/	<=38.45	Pass
		Outer_Full	20.06	/	/	14.41	/	/	<=38.45	Pass
		Inner_Full	20.05	/	/	14.40	/	/	<=38.45	Pass
		Inner_1RB_Left	19.70	/	/	14.05	/	/	<=38.45	Pass
		Inner_1RB_Right	19.57	/	/	13.92	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	21.82	/	/	16.17	/	/	<=38.45	Pass
		Edge_1RB_Right	21.75	/	/	16.10	/	/	<=38.45	Pass
		Outer_Full	21.69	/	/	16.04	/	/	<=38.45	Pass
		Inner_Full	23.30	/	/	17.65	/	/	<=38.45	Pass
		Inner_1RB_Left	23.05	/	/	17.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.14	/	/	17.49	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.67	/	/	16.02	/	/	<=38.45	Pass
		Edge_1RB_Right	21.70	/	/	16.05	/	/	<=38.45	Pass
		Outer_Full	21.65	/	/	16.00	/	/	<=38.45	Pass
		Inner_Full	23.22	/	/	17.57	/	/	<=38.45	Pass
		Inner_1RB_Left	23.13	/	/	17.48	/	/	<=38.45	Pass
		Inner_1RB_Right	23.10	/	/	17.45	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.63	/	/	15.98	/	/	<=38.45	Pass
		Edge_1RB_Right	21.58	/	/	15.93	/	/	<=38.45	Pass
		Outer_Full	21.54	/	/	15.89	/	/	<=38.45	Pass
		Inner_Full	23.19	/	/	17.54	/	/	<=38.45	Pass
		Inner_1RB_Left	22.99	/	/	17.34	/	/	<=38.45	Pass
		Inner_1RB_Right	23.10	/	/	17.45	/	/	<=38.45	Pass

CP-OFDM 16 QAM	826.5	Edge_1RB_Left	21.78	/	/	16.13	/	/	<=38.45	Pass
		Edge_1RB_Right	21.67	/	/	16.02	/	/	<=38.45	Pass
		Outer_Full	21.81	/	/	16.16	/	/	<=38.45	Pass
		Inner_Full	22.61	/	/	16.96	/	/	<=38.45	Pass
		Inner_1RB_Left	22.98	/	/	17.33	/	/	<=38.45	Pass
		Inner_1RB_Right	23.06	/	/	17.41	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.63	/	/	15.98	/	/	<=38.45	Pass
		Edge_1RB_Right	21.77	/	/	16.12	/	/	<=38.45	Pass
		Outer_Full	21.80	/	/	16.15	/	/	<=38.45	Pass
		Inner_Full	22.57	/	/	16.92	/	/	<=38.45	Pass
		Inner_1RB_Left	22.88	/	/	17.23	/	/	<=38.45	Pass
		Inner_1RB_Right	22.92	/	/	17.27	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.67	/	/	16.02	/	/	<=38.45	Pass
		Edge_1RB_Right	21.59	/	/	15.94	/	/	<=38.45	Pass
		Outer_Full	21.62	/	/	15.97	/	/	<=38.45	Pass
		Inner_Full	22.48	/	/	16.83	/	/	<=38.45	Pass
		Inner_1RB_Left	22.86	/	/	17.21	/	/	<=38.45	Pass
		Inner_1RB_Right	22.89	/	/	17.24	/	/	<=38.45	Pass
CP-OFDM 64 QAM	826.5	Edge_1RB_Left	21.45	/	/	15.80	/	/	<=38.45	Pass
		Edge_1RB_Right	21.40	/	/	15.75	/	/	<=38.45	Pass
		Outer_Full	21.18	/	/	15.53	/	/	<=38.45	Pass
		Inner_Full	21.24	/	/	15.59	/	/	<=38.45	Pass
		Inner_1RB_Left	21.46	/	/	15.81	/	/	<=38.45	Pass
		Inner_1RB_Right	21.40	/	/	15.75	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.21	/	/	15.56	/	/	<=38.45	Pass
		Edge_1RB_Right	21.43	/	/	15.78	/	/	<=38.45	Pass
		Outer_Full	21.15	/	/	15.50	/	/	<=38.45	Pass
		Inner_Full	21.16	/	/	15.51	/	/	<=38.45	Pass
		Inner_1RB_Left	21.29	/	/	15.64	/	/	<=38.45	Pass
		Inner_1RB_Right	21.30	/	/	15.65	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.20	/	/	15.55	/	/	<=38.45	Pass
		Edge_1RB_Right	20.95	/	/	15.30	/	/	<=38.45	Pass
		Outer_Full	21.06	/	/	15.41	/	/	<=38.45	Pass
		Inner_Full	20.99	/	/	15.34	/	/	<=38.45	Pass
		Inner_1RB_Left	21.18	/	/	15.53	/	/	<=38.45	Pass
		Inner_1RB_Right	21.10	/	/	15.45	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge_1RB_Left	17.85	/	/	12.20	/	/	<=38.45	Pass
		Edge_1RB_Right	17.86	/	/	12.21	/	/	<=38.45	Pass
		Outer_Full	18.30	/	/	12.65	/	/	<=38.45	Pass
		Inner_Full	18.34	/	/	12.69	/	/	<=38.45	Pass
		Inner_1RB_Left	17.87	/	/	12.22	/	/	<=38.45	Pass
		Inner_1RB_Right	17.85	/	/	12.20	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.67	/	/	12.02	/	/	<=38.45	Pass
		Edge_1RB_Right	17.76	/	/	12.11	/	/	<=38.45	Pass
		Outer_Full	18.19	/	/	12.54	/	/	<=38.45	Pass
		Inner_Full	18.12	/	/	12.47	/	/	<=38.45	Pass
		Inner_1RB_Left	17.67	/	/	12.02	/	/	<=38.45	Pass
		Inner_1RB_Right	17.82	/	/	12.17	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	17.70	/	/	12.05	/	/	<=38.45	Pass
		Edge_1RB_Right	17.62	/	/	11.97	/	/	<=38.45	Pass
		Outer_Full	18.01	/	/	12.36	/	/	<=38.45	Pass
		Inner_Full	18.10	/	/	12.45	/	/	<=38.45	Pass
		Inner_1RB_Left	17.75	/	/	12.10	/	/	<=38.45	Pass
		Inner_1RB_Right	17.57	/	/	11.92	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -3.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.2 15k_SISO_10MHz_NTNV_ERP

1.2.1 Test Result

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	23.72	/	/	18.07	/	/	<=38.45	Pass
		Edge 1RB Right	23.56	/	/	17.91	/	/	<=38.45	Pass
		Outer Full	23.74	/	/	18.09	/	/	<=38.45	Pass
		Inner Full	23.75	/	/	18.10	/	/	<=38.45	Pass
		Inner 1RB Left	23.63	/	/	17.98	/	/	<=38.45	Pass
		Inner 1RB Right	23.58	/	/	17.93	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	23.67	/	/	18.02	/	/	<=38.45	Pass
		Edge 1RB Right	23.61	/	/	17.96	/	/	<=38.45	Pass
		Outer Full	23.74	/	/	18.09	/	/	<=38.45	Pass
		Inner Full	23.68	/	/	18.03	/	/	<=38.45	Pass
		Inner 1RB Left	23.52	/	/	17.87	/	/	<=38.45	Pass
		Inner 1RB Right	23.67	/	/	18.02	/	/	<=38.45	Pass
	844	Edge 1RB Left	23.67	/	/	18.02	/	/	<=38.45	Pass
		Edge 1RB Right	23.48	/	/	17.83	/	/	<=38.45	Pass
		Outer Full	23.61	/	/	17.96	/	/	<=38.45	Pass
		Inner Full	23.65	/	/	18.00	/	/	<=38.45	Pass
		Inner 1RB Left	23.76	/	/	18.11	/	/	<=38.45	Pass
		Inner 1RB Right	23.56	/	/	17.91	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	829	Edge 1RB Left	23.74	/	/	18.09	/	/	<=38.45	Pass
		Edge 1RB Right	23.55	/	/	17.90	/	/	<=38.45	Pass
		Outer Full	23.71	/	/	18.06	/	/	<=38.45	Pass
		Inner Full	23.71	/	/	18.06	/	/	<=38.45	Pass
		Inner 1RB Left	23.77	/	/	18.12	/	/	<=38.45	Pass
		Inner 1RB Right	23.68	/	/	18.03	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	23.57	/	/	17.92	/	/	<=38.45	Pass
		Edge 1RB Right	23.71	/	/	18.06	/	/	<=38.45	Pass
		Outer Full	23.70	/	/	18.05	/	/	<=38.45	Pass
		Inner Full	23.72	/	/	18.07	/	/	<=38.45	Pass
		Inner 1RB Left	23.64	/	/	17.99	/	/	<=38.45	Pass
		Inner 1RB Right	23.74	/	/	18.09	/	/	<=38.45	Pass
	844	Edge 1RB Left	23.73	/	/	18.08	/	/	<=38.45	Pass
		Edge 1RB Right	23.49	/	/	17.84	/	/	<=38.45	Pass
		Outer Full	23.65	/	/	18.00	/	/	<=38.45	Pass
		Inner Full	23.58	/	/	17.93	/	/	<=38.45	Pass
		Inner 1RB Left	23.73	/	/	18.08	/	/	<=38.45	Pass
		Inner 1RB Right	23.49	/	/	17.84	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge 1RB Left	22.54	/	/	16.89	/	/	<=38.45	Pass
		Edge 1RB Right	22.50	/	/	16.85	/	/	<=38.45	Pass
		Outer Full	22.71	/	/	17.06	/	/	<=38.45	Pass
		Inner Full	23.74	/	/	18.09	/	/	<=38.45	Pass
		Inner 1RB Left	23.51	/	/	17.86	/	/	<=38.45	Pass
		Inner 1RB Right	23.76	/	/	18.11	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.60	/	/	16.95	/	/	<=38.45	Pass
		Edge 1RB Right	22.57	/	/	16.92	/	/	<=38.45	Pass
		Outer Full	22.66	/	/	17.01	/	/	<=38.45	Pass
		Inner Full	23.72	/	/	18.07	/	/	<=38.45	Pass
		Inner 1RB Left	23.65	/	/	18.00	/	/	<=38.45	Pass
		Inner 1RB Right	23.77	/	/	18.12	/	/	<=38.45	Pass
	844	Edge 1RB Left	22.58	/	/	16.93	/	/	<=38.45	Pass
		Edge 1RB Right	22.45	/	/	16.80	/	/	<=38.45	Pass
		Outer Full	22.64	/	/	16.99	/	/	<=38.45	Pass
		Inner Full	23.68	/	/	18.03	/	/	<=38.45	Pass
		Inner 1RB Left	23.75	/	/	18.10	/	/	<=38.45	Pass
		Inner 1RB Right	23.54	/	/	17.89	/	/	<=38.45	Pass

DFT-s-OFDM 64 QAM	829	Edge_1RB_Left	22.43	/	/	16.78	/	/	<=38.45	Pass
		Edge_1RB_Right	22.48	/	/	16.83	/	/	<=38.45	Pass
		Outer_Full	22.27	/	/	16.62	/	/	<=38.45	Pass
		Inner_Full	22.28	/	/	16.63	/	/	<=38.45	Pass
		Inner_1RB_Left	22.53	/	/	16.88	/	/	<=38.45	Pass
		Inner_1RB_Right	22.28	/	/	16.63	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.47	/	/	16.82	/	/	<=38.45	Pass
		Edge_1RB_Right	22.46	/	/	16.81	/	/	<=38.45	Pass
		Outer_Full	22.30	/	/	16.65	/	/	<=38.45	Pass
		Inner_Full	22.22	/	/	16.57	/	/	<=38.45	Pass
		Inner_1RB_Left	22.38	/	/	16.73	/	/	<=38.45	Pass
		Inner_1RB_Right	22.50	/	/	16.85	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.41	/	/	16.76	/	/	<=38.45	Pass
		Edge_1RB_Right	22.31	/	/	16.66	/	/	<=38.45	Pass
		Outer_Full	22.22	/	/	16.57	/	/	<=38.45	Pass
		Inner_Full	22.14	/	/	16.49	/	/	<=38.45	Pass
		Inner_1RB_Left	22.55	/	/	16.90	/	/	<=38.45	Pass
		Inner_1RB_Right	22.31	/	/	16.66	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge_1RB_Left	19.74	/	/	14.09	/	/	<=38.45	Pass
		Edge_1RB_Right	19.65	/	/	14.00	/	/	<=38.45	Pass
		Outer_Full	20.12	/	/	14.47	/	/	<=38.45	Pass
		Inner_Full	20.15	/	/	14.50	/	/	<=38.45	Pass
		Inner_1RB_Left	19.75	/	/	14.10	/	/	<=38.45	Pass
		Inner_1RB_Right	19.68	/	/	14.03	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.62	/	/	13.97	/	/	<=38.45	Pass
		Edge_1RB_Right	19.74	/	/	14.09	/	/	<=38.45	Pass
		Outer_Full	20.15	/	/	14.50	/	/	<=38.45	Pass
		Inner_Full	20.15	/	/	14.50	/	/	<=38.45	Pass
		Inner_1RB_Left	19.71	/	/	14.06	/	/	<=38.45	Pass
		Inner_1RB_Right	19.71	/	/	14.06	/	/	<=38.45	Pass
	844	Edge_1RB_Left	19.66	/	/	14.01	/	/	<=38.45	Pass
		Edge_1RB_Right	19.48	/	/	13.83	/	/	<=38.45	Pass
		Outer_Full	20.06	/	/	14.41	/	/	<=38.45	Pass
		Inner_Full	20.11	/	/	14.46	/	/	<=38.45	Pass
		Inner_1RB_Left	19.68	/	/	14.03	/	/	<=38.45	Pass
		Inner_1RB_Right	19.48	/	/	13.83	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge_1RB_Left	21.58	/	/	15.93	/	/	<=38.45	Pass
		Edge_1RB_Right	21.54	/	/	15.89	/	/	<=38.45	Pass
		Outer_Full	21.77	/	/	16.12	/	/	<=38.45	Pass
		Inner_Full	23.20	/	/	17.55	/	/	<=38.45	Pass
		Inner_1RB_Left	23.22	/	/	17.57	/	/	<=38.45	Pass
		Inner_1RB_Right	23.01	/	/	17.36	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.60	/	/	15.95	/	/	<=38.45	Pass
		Edge_1RB_Right	21.68	/	/	16.03	/	/	<=38.45	Pass
		Outer_Full	21.72	/	/	16.07	/	/	<=38.45	Pass
		Inner_Full	23.16	/	/	17.51	/	/	<=38.45	Pass
		Inner_1RB_Left	23.05	/	/	17.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.39	/	/	17.74	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.58	/	/	15.93	/	/	<=38.45	Pass
		Edge_1RB_Right	21.32	/	/	15.67	/	/	<=38.45	Pass
		Outer_Full	21.68	/	/	16.03	/	/	<=38.45	Pass
		Inner_Full	23.09	/	/	17.44	/	/	<=38.45	Pass
		Inner_1RB_Left	22.94	/	/	17.29	/	/	<=38.45	Pass
		Inner_1RB_Right	23.01	/	/	17.36	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Edge_1RB_Left	21.99	/	/	16.34	/	/	<=38.45	Pass
		Edge_1RB_Right	21.80	/	/	16.15	/	/	<=38.45	Pass
		Outer_Full	21.73	/	/	16.08	/	/	<=38.45	Pass
		Inner_Full	22.72	/	/	17.07	/	/	<=38.45	Pass
		Inner_1RB_Left	22.87	/	/	17.22	/	/	<=38.45	Pass

		Inner 1RB Right	22.73	/	/	17.08	/	/	<=38.45	Pass	
		836.5	Edge 1RB Left	21.65	/	/	16.00	/	/	<=38.45	Pass
			Edge 1RB Right	21.93	/	/	16.28	/	/	<=38.45	Pass
			Outer_Full	21.67	/	/	16.02	/	/	<=38.45	Pass
			Inner_Full	22.73	/	/	17.08	/	/	<=38.45	Pass
			Inner_1RB_Left	22.70	/	/	17.05	/	/	<=38.45	Pass
			Inner_1RB_Right	22.88	/	/	17.23	/	/	<=38.45	Pass
		844	Edge 1RB Left	21.89	/	/	16.24	/	/	<=38.45	Pass
			Edge 1RB Right	21.58	/	/	15.93	/	/	<=38.45	Pass
			Outer_Full	21.67	/	/	16.02	/	/	<=38.45	Pass
			Inner_Full	22.66	/	/	17.01	/	/	<=38.45	Pass
			Inner_1RB_Left	22.94	/	/	17.29	/	/	<=38.45	Pass
			Inner_1RB_Right	22.72	/	/	17.07	/	/	<=38.45	Pass
		CP-OFDM 64 QAM	829	Edge 1RB Left	21.34	/	/	15.69	/	/	<=38.45
Edge 1RB Right	21.40			/	/	15.75	/	/	<=38.45	Pass	
Outer_Full	21.25			/	/	15.60	/	/	<=38.45	Pass	
Inner_Full	21.20			/	/	15.55	/	/	<=38.45	Pass	
Inner_1RB_Left	21.35			/	/	15.70	/	/	<=38.45	Pass	
Inner_1RB_Right	21.27			/	/	15.62	/	/	<=38.45	Pass	
836.5	Edge 1RB Left		21.13	/	/	15.48	/	/	<=38.45	Pass	
	Edge 1RB Right		21.37	/	/	15.72	/	/	<=38.45	Pass	
	Outer_Full		21.18	/	/	15.53	/	/	<=38.45	Pass	
	Inner_Full		21.24	/	/	15.59	/	/	<=38.45	Pass	
	Inner_1RB_Left		21.02	/	/	15.37	/	/	<=38.45	Pass	
	Inner_1RB_Right		21.33	/	/	15.68	/	/	<=38.45	Pass	
844	Edge 1RB Left		21.32	/	/	15.67	/	/	<=38.45	Pass	
	Edge 1RB Right		21.16	/	/	15.51	/	/	<=38.45	Pass	
	Outer_Full		21.15	/	/	15.50	/	/	<=38.45	Pass	
	Inner_Full		21.11	/	/	15.46	/	/	<=38.45	Pass	
	Inner_1RB_Left		21.24	/	/	15.59	/	/	<=38.45	Pass	
	Inner_1RB_Right		21.12	/	/	15.47	/	/	<=38.45	Pass	
CP-OFDM 256 QAM	829		Edge 1RB Left	17.73	/	/	12.08	/	/	<=38.45	Pass
			Edge 1RB Right	17.67	/	/	12.02	/	/	<=38.45	Pass
		Outer_Full	18.14	/	/	12.49	/	/	<=38.45	Pass	
		Inner_Full	18.21	/	/	12.56	/	/	<=38.45	Pass	
		Inner_1RB_Left	17.80	/	/	12.15	/	/	<=38.45	Pass	
		Inner_1RB_Right	17.70	/	/	12.05	/	/	<=38.45	Pass	
	836.5	Edge 1RB Left	17.57	/	/	11.92	/	/	<=38.45	Pass	
		Edge 1RB Right	17.77	/	/	12.12	/	/	<=38.45	Pass	
		Outer_Full	18.13	/	/	12.48	/	/	<=38.45	Pass	
		Inner_Full	18.17	/	/	12.52	/	/	<=38.45	Pass	
		Inner_1RB_Left	17.68	/	/	12.03	/	/	<=38.45	Pass	
		Inner_1RB_Right	17.73	/	/	12.08	/	/	<=38.45	Pass	
	844	Edge 1RB Left	17.69	/	/	12.04	/	/	<=38.45	Pass	
		Edge 1RB Right	17.47	/	/	11.82	/	/	<=38.45	Pass	
		Outer_Full	18.03	/	/	12.38	/	/	<=38.45	Pass	
		Inner_Full	18.12	/	/	12.47	/	/	<=38.45	Pass	
		Inner_1RB_Left	17.72	/	/	12.07	/	/	<=38.45	Pass	
		Inner_1RB_Right	17.57	/	/	11.92	/	/	<=38.45	Pass	
Note1: Antenna Gain: Ant1: -3.50dBi;											
Note2: EIRP=Conducted Power+Antenna Gain											

1.3 15k_SISO_15MHz_NTNV_ERP

1.3.1 Test Result

5G NR n5 SCS=15kHz SISO 15MHz NTNv

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	23.85	/	/	18.20	/	/	<=38.45	Pass
		Edge_1RB_Right	23.69	/	/	18.04	/	/	<=38.45	Pass
		Outer_Full	23.80	/	/	18.15	/	/	<=38.45	Pass
		Inner_Full	23.83	/	/	18.18	/	/	<=38.45	Pass
		Inner_1RB_Left	23.79	/	/	18.14	/	/	<=38.45	Pass
		Inner_1RB_Right	23.68	/	/	18.03	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.76	/	/	18.11	/	/	<=38.45	Pass
		Edge_1RB_Right	23.58	/	/	17.93	/	/	<=38.45	Pass
		Outer_Full	23.73	/	/	18.08	/	/	<=38.45	Pass
		Inner_Full	23.74	/	/	18.09	/	/	<=38.45	Pass
		Inner_1RB_Left	23.78	/	/	18.13	/	/	<=38.45	Pass
		Inner_1RB_Right	23.62	/	/	17.97	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.73	/	/	18.08	/	/	<=38.45	Pass
		Edge_1RB_Right	23.50	/	/	17.85	/	/	<=38.45	Pass
		Outer_Full	23.65	/	/	18.00	/	/	<=38.45	Pass
		Inner_Full	23.66	/	/	18.01	/	/	<=38.45	Pass
		Inner_1RB_Left	23.65	/	/	18.00	/	/	<=38.45	Pass
		Inner_1RB_Right	23.50	/	/	17.85	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	831.5	Edge_1RB_Left	23.85	/	/	18.20	/	/	<=38.45	Pass
		Edge_1RB_Right	23.64	/	/	17.99	/	/	<=38.45	Pass
		Outer_Full	23.86	/	/	18.21	/	/	<=38.45	Pass
		Inner_Full	23.84	/	/	18.19	/	/	<=38.45	Pass
		Inner_1RB_Left	23.75	/	/	18.10	/	/	<=38.45	Pass
		Inner_1RB_Right	23.68	/	/	18.03	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.75	/	/	18.10	/	/	<=38.45	Pass
		Edge_1RB_Right	23.48	/	/	17.83	/	/	<=38.45	Pass
		Outer_Full	23.77	/	/	18.12	/	/	<=38.45	Pass
		Inner_Full	23.78	/	/	18.13	/	/	<=38.45	Pass
		Inner_1RB_Left	23.78	/	/	18.13	/	/	<=38.45	Pass
		Inner_1RB_Right	23.61	/	/	17.96	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.83	/	/	18.18	/	/	<=38.45	Pass
		Edge_1RB_Right	23.58	/	/	17.93	/	/	<=38.45	Pass
		Outer_Full	23.65	/	/	18.00	/	/	<=38.45	Pass
		Inner_Full	23.64	/	/	17.99	/	/	<=38.45	Pass
		Inner_1RB_Left	23.73	/	/	18.08	/	/	<=38.45	Pass
		Inner_1RB_Right	23.57	/	/	17.92	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge_1RB_Left	22.72	/	/	17.07	/	/	<=38.45	Pass
		Edge_1RB_Right	22.70	/	/	17.05	/	/	<=38.45	Pass
		Outer_Full	22.89	/	/	17.24	/	/	<=38.45	Pass
		Inner_Full	23.83	/	/	18.18	/	/	<=38.45	Pass
		Inner_1RB_Left	23.69	/	/	18.04	/	/	<=38.45	Pass
		Inner_1RB_Right	23.63	/	/	17.98	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.78	/	/	17.13	/	/	<=38.45	Pass
		Edge_1RB_Right	22.67	/	/	17.02	/	/	<=38.45	Pass
		Outer_Full	22.78	/	/	17.13	/	/	<=38.45	Pass
		Inner_Full	23.78	/	/	18.13	/	/	<=38.45	Pass
		Inner_1RB_Left	23.66	/	/	18.01	/	/	<=38.45	Pass
		Inner_1RB_Right	23.60	/	/	17.95	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.63	/	/	16.98	/	/	<=38.45	Pass
		Edge_1RB_Right	22.43	/	/	16.78	/	/	<=38.45	Pass
		Outer_Full	22.69	/	/	17.04	/	/	<=38.45	Pass
		Inner_Full	23.72	/	/	18.07	/	/	<=38.45	Pass
		Inner_1RB_Left	23.62	/	/	17.97	/	/	<=38.45	Pass
		Inner_1RB_Right	23.45	/	/	17.80	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge_1RB_Left	22.55	/	/	16.90	/	/	<=38.45	Pass
		Edge_1RB_Right	22.44	/	/	16.79	/	/	<=38.45	Pass
		Outer_Full	22.41	/	/	16.76	/	/	<=38.45	Pass

		Inner_Full	22.33	/	/	16.68	/	/	<=38.45	Pass
		Inner_1RB_Left	22.54	/	/	16.89	/	/	<=38.45	Pass
		Inner_1RB_Right	22.46	/	/	16.81	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.48	/	/	16.83	/	/	<=38.45	Pass
		Edge_1RB_Right	22.24	/	/	16.59	/	/	<=38.45	Pass
		Outer_Full	22.28	/	/	16.63	/	/	<=38.45	Pass
		Inner_Full	22.28	/	/	16.63	/	/	<=38.45	Pass
		Inner_1RB_Left	22.53	/	/	16.88	/	/	<=38.45	Pass
		Inner_1RB_Right	22.49	/	/	16.84	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.32	/	/	16.67	/	/	<=38.45	Pass
		Edge_1RB_Right	22.30	/	/	16.65	/	/	<=38.45	Pass
		Outer_Full	22.21	/	/	16.56	/	/	<=38.45	Pass
		Inner_Full	22.25	/	/	16.60	/	/	<=38.45	Pass
		Inner_1RB_Left	22.46	/	/	16.81	/	/	<=38.45	Pass
		Inner_1RB_Right	22.27	/	/	16.62	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Edge_1RB_Left	19.95	/	/	14.30	/	/	<=38.45	Pass
		Edge_1RB_Right	19.63	/	/	13.98	/	/	<=38.45	Pass
		Outer_Full	20.17	/	/	14.52	/	/	<=38.45	Pass
		Inner_Full	20.27	/	/	14.62	/	/	<=38.45	Pass
		Inner_1RB_Left	19.95	/	/	14.30	/	/	<=38.45	Pass
		Inner_1RB_Right	19.64	/	/	13.99	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.79	/	/	14.14	/	/	<=38.45	Pass
		Edge_1RB_Right	19.59	/	/	13.94	/	/	<=38.45	Pass
		Outer_Full	20.20	/	/	14.55	/	/	<=38.45	Pass
		Inner_Full	20.11	/	/	14.46	/	/	<=38.45	Pass
		Inner_1RB_Left	19.85	/	/	14.20	/	/	<=38.45	Pass
		Inner_1RB_Right	19.64	/	/	13.99	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.74	/	/	14.09	/	/	<=38.45	Pass
		Edge_1RB_Right	19.53	/	/	13.88	/	/	<=38.45	Pass
		Outer_Full	20.22	/	/	14.57	/	/	<=38.45	Pass
		Inner_Full	20.18	/	/	14.53	/	/	<=38.45	Pass
		Inner_1RB_Left	19.72	/	/	14.07	/	/	<=38.45	Pass
		Inner_1RB_Right	19.52	/	/	13.87	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Edge_1RB_Left	21.84	/	/	16.19	/	/	<=38.45	Pass
		Edge_1RB_Right	21.80	/	/	16.15	/	/	<=38.45	Pass
		Outer_Full	21.86	/	/	16.21	/	/	<=38.45	Pass
		Inner_Full	23.23	/	/	17.58	/	/	<=38.45	Pass
		Inner_1RB_Left	23.25	/	/	17.60	/	/	<=38.45	Pass
		Inner_1RB_Right	23.10	/	/	17.45	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.78	/	/	16.13	/	/	<=38.45	Pass
		Edge_1RB_Right	21.80	/	/	16.15	/	/	<=38.45	Pass
		Outer_Full	21.71	/	/	16.06	/	/	<=38.45	Pass
		Inner_Full	23.21	/	/	17.56	/	/	<=38.45	Pass
		Inner_1RB_Left	23.22	/	/	17.57	/	/	<=38.45	Pass
		Inner_1RB_Right	23.06	/	/	17.41	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.65	/	/	16.00	/	/	<=38.45	Pass
		Edge_1RB_Right	21.58	/	/	15.93	/	/	<=38.45	Pass
		Outer_Full	21.73	/	/	16.08	/	/	<=38.45	Pass
		Inner_Full	23.15	/	/	17.50	/	/	<=38.45	Pass
		Inner_1RB_Left	23.11	/	/	17.46	/	/	<=38.45	Pass
		Inner_1RB_Right	22.93	/	/	17.28	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Edge_1RB_Left	21.95	/	/	16.30	/	/	<=38.45	Pass
		Edge_1RB_Right	21.87	/	/	16.22	/	/	<=38.45	Pass
		Outer_Full	21.85	/	/	16.20	/	/	<=38.45	Pass
		Inner_Full	22.87	/	/	17.22	/	/	<=38.45	Pass
		Inner_1RB_Left	23.07	/	/	17.42	/	/	<=38.45	Pass
		Inner_1RB_Right	22.87	/	/	17.22	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.94	/	/	16.29	/	/	<=38.45	Pass
		Edge_1RB_Right	21.73	/	/	16.08	/	/	<=38.45	Pass

		Outer_Full	21.75	/	/	16.10	/	/	<=38.45	Pass
		Inner_Full	22.85	/	/	17.20	/	/	<=38.45	Pass
		Inner_1RB_Left	22.96	/	/	17.31	/	/	<=38.45	Pass
		Inner_1RB_Right	22.80	/	/	17.15	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.84	/	/	16.19	/	/	<=38.45	Pass
		Edge_1RB_Right	21.65	/	/	16.00	/	/	<=38.45	Pass
		Outer_Full	21.78	/	/	16.13	/	/	<=38.45	Pass
		Inner_Full	22.80	/	/	17.15	/	/	<=38.45	Pass
		Inner_1RB_Left	22.83	/	/	17.18	/	/	<=38.45	Pass
		Inner_1RB_Right	22.73	/	/	17.08	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	21.58	/	/	15.93	/	/	<=38.45	Pass
		Edge_1RB_Right	21.30	/	/	15.65	/	/	<=38.45	Pass
		Outer_Full	21.32	/	/	15.67	/	/	<=38.45	Pass
		Inner_Full	21.35	/	/	15.70	/	/	<=38.45	Pass
		Inner_1RB_Left	21.33	/	/	15.68	/	/	<=38.45	Pass
		Inner_1RB_Right	21.32	/	/	15.67	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.46	/	/	15.81	/	/	<=38.45	Pass
		Edge_1RB_Right	21.29	/	/	15.64	/	/	<=38.45	Pass
		Outer_Full	21.23	/	/	15.58	/	/	<=38.45	Pass
		Inner_Full	21.18	/	/	15.53	/	/	<=38.45	Pass
		Inner_1RB_Left	21.40	/	/	15.75	/	/	<=38.45	Pass
		Inner_1RB_Right	21.35	/	/	15.70	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.32	/	/	15.67	/	/	<=38.45	Pass
		Edge_1RB_Right	21.14	/	/	15.49	/	/	<=38.45	Pass
		Outer_Full	21.25	/	/	15.60	/	/	<=38.45	Pass
		Inner_Full	21.20	/	/	15.55	/	/	<=38.45	Pass
		Inner_1RB_Left	21.12	/	/	15.47	/	/	<=38.45	Pass
		Inner_1RB_Right	21.17	/	/	15.52	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Edge_1RB_Left	17.97	/	/	12.32	/	/	<=38.45	Pass
		Edge_1RB_Right	17.69	/	/	12.04	/	/	<=38.45	Pass
		Outer_Full	18.23	/	/	12.58	/	/	<=38.45	Pass
		Inner_Full	18.28	/	/	12.63	/	/	<=38.45	Pass
		Inner_1RB_Left	17.96	/	/	12.31	/	/	<=38.45	Pass
		Inner_1RB_Right	17.71	/	/	12.06	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.87	/	/	12.22	/	/	<=38.45	Pass
		Edge_1RB_Right	17.66	/	/	12.01	/	/	<=38.45	Pass
		Outer_Full	18.14	/	/	12.49	/	/	<=38.45	Pass
		Inner_Full	18.18	/	/	12.53	/	/	<=38.45	Pass
		Inner_1RB_Left	17.82	/	/	12.17	/	/	<=38.45	Pass
		Inner_1RB_Right	17.72	/	/	12.07	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	17.78	/	/	12.13	/	/	<=38.45	Pass
		Edge_1RB_Right	17.57	/	/	11.92	/	/	<=38.45	Pass
		Outer_Full	18.16	/	/	12.51	/	/	<=38.45	Pass
		Inner_Full	18.27	/	/	12.62	/	/	<=38.45	Pass
		Inner_1RB_Left	17.82	/	/	12.17	/	/	<=38.45	Pass
		Inner_1RB_Right	17.62	/	/	11.97	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -3.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.4 15k_SISO_20MHz_NTNV_ERP

1.4.1 Test Result

5G NR n5 SCS=15kHz SISO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2	834	Edge_1RB_Left	23.86	/	/	18.21	/	/	<=38.45	Pass

BPSK		Edge 1RB Right	23.57	/	/	17.92	/	/	<=38.45	Pass	
		Outer Full	23.78	/	/	18.13	/	/	<=38.45	Pass	
		Inner Full	23.69	/	/	18.04	/	/	<=38.45	Pass	
		Inner 1RB Left	23.75	/	/	18.10	/	/	<=38.45	Pass	
		Inner 1RB Right	23.60	/	/	17.95	/	/	<=38.45	Pass	
	836.5	Edge 1RB Left	23.84	/	/	18.19	/	/	<=38.45	Pass	
		Edge 1RB Right	23.48	/	/	17.83	/	/	<=38.45	Pass	
		Outer Full	23.72	/	/	18.07	/	/	<=38.45	Pass	
		Inner Full	23.78	/	/	18.13	/	/	<=38.45	Pass	
		Inner 1RB Left	23.84	/	/	18.19	/	/	<=38.45	Pass	
	839	Inner 1RB Right	23.52	/	/	17.87	/	/	<=38.45	Pass	
		Edge 1RB Left	23.77	/	/	18.12	/	/	<=38.45	Pass	
		Edge 1RB Right	23.49	/	/	17.84	/	/	<=38.45	Pass	
		Outer Full	23.70	/	/	18.05	/	/	<=38.45	Pass	
		Inner Full	23.79	/	/	18.14	/	/	<=38.45	Pass	
	DFT-s-OFDM QPSK	834	Inner 1RB Left	23.66	/	/	18.01	/	/	<=38.45	Pass
			Inner 1RB Right	23.49	/	/	17.84	/	/	<=38.45	Pass
			Edge 1RB Left	23.86	/	/	18.21	/	/	<=38.45	Pass
Edge 1RB Right			23.70	/	/	18.05	/	/	<=38.45	Pass	
Outer Full			23.83	/	/	18.18	/	/	<=38.45	Pass	
Inner Full			23.79	/	/	18.14	/	/	<=38.45	Pass	
836.5		Inner 1RB Left	23.78	/	/	18.13	/	/	<=38.45	Pass	
		Inner 1RB Right	23.62	/	/	17.97	/	/	<=38.45	Pass	
		Edge 1RB Left	23.80	/	/	18.15	/	/	<=38.45	Pass	
		Edge 1RB Right	23.56	/	/	17.91	/	/	<=38.45	Pass	
		Outer Full	23.81	/	/	18.16	/	/	<=38.45	Pass	
		Inner Full	23.78	/	/	18.13	/	/	<=38.45	Pass	
839		Inner 1RB Left	23.87	/	/	18.22	/	/	<=38.45	Pass	
		Inner 1RB Right	23.57	/	/	17.92	/	/	<=38.45	Pass	
		Edge 1RB Left	23.74	/	/	18.09	/	/	<=38.45	Pass	
		Edge 1RB Right	23.60	/	/	17.95	/	/	<=38.45	Pass	
		Outer Full	23.73	/	/	18.08	/	/	<=38.45	Pass	
		Inner Full	23.74	/	/	18.09	/	/	<=38.45	Pass	
DFT-s-OFDM 16 QAM	834	Inner 1RB Left	23.75	/	/	18.10	/	/	<=38.45	Pass	
		Inner 1RB Right	23.60	/	/	17.95	/	/	<=38.45	Pass	
		Edge 1RB Left	22.72	/	/	17.07	/	/	<=38.45	Pass	
		Edge 1RB Right	22.48	/	/	16.83	/	/	<=38.45	Pass	
		Outer Full	22.81	/	/	17.16	/	/	<=38.45	Pass	
	836.5	Inner Full	23.77	/	/	18.12	/	/	<=38.45	Pass	
		Inner 1RB Left	23.64	/	/	17.99	/	/	<=38.45	Pass	
		Inner 1RB Right	23.53	/	/	17.88	/	/	<=38.45	Pass	
		Edge 1RB Left	22.68	/	/	17.03	/	/	<=38.45	Pass	
		Edge 1RB Right	22.50	/	/	16.85	/	/	<=38.45	Pass	
	839	Outer Full	22.77	/	/	17.12	/	/	<=38.45	Pass	
		Inner Full	23.74	/	/	18.09	/	/	<=38.45	Pass	
		Inner 1RB Left	23.66	/	/	18.01	/	/	<=38.45	Pass	
		Inner 1RB Right	23.49	/	/	17.84	/	/	<=38.45	Pass	
		Edge 1RB Left	22.68	/	/	17.03	/	/	<=38.45	Pass	
	DFT-s-OFDM 64 QAM	834	Edge 1RB Right	22.46	/	/	16.81	/	/	<=38.45	Pass
			Outer Full	22.69	/	/	17.04	/	/	<=38.45	Pass
			Inner Full	23.79	/	/	18.14	/	/	<=38.45	Pass
Inner 1RB Left			23.68	/	/	18.03	/	/	<=38.45	Pass	
Inner 1RB Right			23.47	/	/	17.82	/	/	<=38.45	Pass	
		Edge 1RB Left	22.40	/	/	16.75	/	/	<=38.45	Pass	
		Edge 1RB Right	22.12	/	/	16.47	/	/	<=38.45	Pass	
		Outer Full	22.29	/	/	16.64	/	/	<=38.45	Pass	
		Inner Full	22.27	/	/	16.62	/	/	<=38.45	Pass	
		Inner 1RB Left	22.42	/	/	16.77	/	/	<=38.45	Pass	
		Inner 1RB Right	22.32	/	/	16.67	/	/	<=38.45	Pass	

	836.5	Edge_1RB_Left	22.40	/	/	16.75	/	/	<=38.45	Pass
		Edge_1RB_Right	22.19	/	/	16.54	/	/	<=38.45	Pass
		Outer_Full	22.35	/	/	16.70	/	/	<=38.45	Pass
		Inner_Full	22.30	/	/	16.65	/	/	<=38.45	Pass
		Inner_1RB_Left	22.39	/	/	16.74	/	/	<=38.45	Pass
		Inner_1RB_Right	22.25	/	/	16.60	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.40	/	/	16.75	/	/	<=38.45	Pass
		Edge_1RB_Right	22.20	/	/	16.55	/	/	<=38.45	Pass
		Outer_Full	22.29	/	/	16.64	/	/	<=38.45	Pass
		Inner_Full	22.28	/	/	16.63	/	/	<=38.45	Pass
		Inner_1RB_Left	22.38	/	/	16.73	/	/	<=38.45	Pass
		Inner_1RB_Right	22.20	/	/	16.55	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge_1RB_Left	19.87	/	/	14.22	/	/	<=38.45	Pass
		Edge_1RB_Right	19.67	/	/	14.02	/	/	<=38.45	Pass
		Outer_Full	20.25	/	/	14.60	/	/	<=38.45	Pass
		Inner_Full	20.18	/	/	14.53	/	/	<=38.45	Pass
		Inner_1RB_Left	19.90	/	/	14.25	/	/	<=38.45	Pass
		Inner_1RB_Right	19.80	/	/	14.15	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.04	/	/	14.39	/	/	<=38.45	Pass
		Edge_1RB_Right	19.59	/	/	13.94	/	/	<=38.45	Pass
		Outer_Full	20.23	/	/	14.58	/	/	<=38.45	Pass
		Inner_Full	20.15	/	/	14.50	/	/	<=38.45	Pass
		Inner_1RB_Left	19.80	/	/	14.15	/	/	<=38.45	Pass
		Inner_1RB_Right	19.62	/	/	13.97	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.86	/	/	14.21	/	/	<=38.45	Pass
		Edge_1RB_Right	19.66	/	/	14.01	/	/	<=38.45	Pass
		Outer_Full	20.17	/	/	14.52	/	/	<=38.45	Pass
		Inner_Full	20.24	/	/	14.59	/	/	<=38.45	Pass
		Inner_1RB_Left	19.77	/	/	14.12	/	/	<=38.45	Pass
		Inner_1RB_Right	19.67	/	/	14.02	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge_1RB_Left	21.82	/	/	16.17	/	/	<=38.45	Pass
		Edge_1RB_Right	21.75	/	/	16.10	/	/	<=38.45	Pass
		Outer_Full	21.81	/	/	16.16	/	/	<=38.45	Pass
		Inner_Full	23.21	/	/	17.56	/	/	<=38.45	Pass
		Inner_1RB_Left	23.37	/	/	17.72	/	/	<=38.45	Pass
		Inner_1RB_Right	23.05	/	/	17.40	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.80	/	/	16.15	/	/	<=38.45	Pass
		Edge_1RB_Right	21.49	/	/	15.84	/	/	<=38.45	Pass
		Outer_Full	21.73	/	/	16.08	/	/	<=38.45	Pass
		Inner_Full	23.23	/	/	17.58	/	/	<=38.45	Pass
		Inner_1RB_Left	23.40	/	/	17.75	/	/	<=38.45	Pass
		Inner_1RB_Right	23.10	/	/	17.45	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.75	/	/	16.10	/	/	<=38.45	Pass
		Edge_1RB_Right	21.63	/	/	15.98	/	/	<=38.45	Pass
		Outer_Full	21.71	/	/	16.06	/	/	<=38.45	Pass
		Inner_Full	23.20	/	/	17.55	/	/	<=38.45	Pass
		Inner_1RB_Left	23.32	/	/	17.67	/	/	<=38.45	Pass
		Inner_1RB_Right	23.13	/	/	17.48	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge_1RB_Left	22.02	/	/	16.37	/	/	<=38.45	Pass
		Edge_1RB_Right	21.78	/	/	16.13	/	/	<=38.45	Pass
		Outer_Full	21.73	/	/	16.08	/	/	<=38.45	Pass
		Inner_Full	22.77	/	/	17.12	/	/	<=38.45	Pass
		Inner_1RB_Left	22.97	/	/	17.32	/	/	<=38.45	Pass
		Inner_1RB_Right	22.78	/	/	17.13	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.90	/	/	16.25	/	/	<=38.45	Pass
		Edge_1RB_Right	21.62	/	/	15.97	/	/	<=38.45	Pass
		Outer_Full	21.76	/	/	16.11	/	/	<=38.45	Pass
		Inner_Full	22.77	/	/	17.12	/	/	<=38.45	Pass
		Inner_1RB_Left	22.95	/	/	17.30	/	/	<=38.45	Pass

	839	Inner 1RB Right	22.69	/	/	17.04	/	/	<=38.45	Pass
		Edge 1RB Left	21.90	/	/	16.25	/	/	<=38.45	Pass
		Edge 1RB Right	21.58	/	/	15.93	/	/	<=38.45	Pass
		Outer_Full	21.68	/	/	16.03	/	/	<=38.45	Pass
		Inner_Full	22.74	/	/	17.09	/	/	<=38.45	Pass
		Inner 1RB Left	22.97	/	/	17.32	/	/	<=38.45	Pass
		Inner 1RB Right	22.73	/	/	17.08	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge 1RB Left	21.52	/	/	15.87	/	/	<=38.45	Pass
		Edge 1RB Right	21.21	/	/	15.56	/	/	<=38.45	Pass
		Outer_Full	21.27	/	/	15.62	/	/	<=38.45	Pass
		Inner_Full	21.31	/	/	15.66	/	/	<=38.45	Pass
		Inner 1RB Left	21.35	/	/	15.70	/	/	<=38.45	Pass
		Inner 1RB Right	21.09	/	/	15.44	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.21	/	/	15.56	/	/	<=38.45	Pass
		Edge 1RB Right	21.10	/	/	15.45	/	/	<=38.45	Pass
		Outer_Full	21.24	/	/	15.59	/	/	<=38.45	Pass
		Inner_Full	21.30	/	/	15.65	/	/	<=38.45	Pass
		Inner 1RB Left	21.23	/	/	15.58	/	/	<=38.45	Pass
		Inner 1RB Right	21.06	/	/	15.41	/	/	<=38.45	Pass
	839	Edge 1RB Left	21.44	/	/	15.79	/	/	<=38.45	Pass
		Edge 1RB Right	21.16	/	/	15.51	/	/	<=38.45	Pass
		Outer_Full	21.18	/	/	15.53	/	/	<=38.45	Pass
Inner_Full		21.23	/	/	15.58	/	/	<=38.45	Pass	
Inner 1RB Left		21.34	/	/	15.69	/	/	<=38.45	Pass	
Inner 1RB Right		21.14	/	/	15.49	/	/	<=38.45	Pass	
CP-OFDM 256 QAM	834	Edge 1RB Left	18.08	/	/	12.43	/	/	<=38.45	Pass
		Edge 1RB Right	17.88	/	/	12.23	/	/	<=38.45	Pass
		Outer_Full	18.26	/	/	12.61	/	/	<=38.45	Pass
		Inner_Full	18.23	/	/	12.58	/	/	<=38.45	Pass
		Inner 1RB Left	17.99	/	/	12.34	/	/	<=38.45	Pass
		Inner 1RB Right	17.95	/	/	12.30	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	18.18	/	/	12.53	/	/	<=38.45	Pass
		Edge 1RB Right	17.82	/	/	12.17	/	/	<=38.45	Pass
		Outer_Full	18.19	/	/	12.54	/	/	<=38.45	Pass
		Inner_Full	18.20	/	/	12.55	/	/	<=38.45	Pass
		Inner 1RB Left	17.94	/	/	12.29	/	/	<=38.45	Pass
		Inner 1RB Right	17.75	/	/	12.10	/	/	<=38.45	Pass
	839	Edge 1RB Left	18.04	/	/	12.39	/	/	<=38.45	Pass
		Edge 1RB Right	17.79	/	/	12.14	/	/	<=38.45	Pass
		Outer_Full	18.14	/	/	12.49	/	/	<=38.45	Pass
Inner_Full		18.17	/	/	12.52	/	/	<=38.45	Pass	
Inner 1RB Left		17.93	/	/	12.28	/	/	<=38.45	Pass	
Inner 1RB Right		17.82	/	/	12.17	/	/	<=38.45	Pass	
Note1: Antenna Gain: Ant1: -3.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 15k_SISO_20MHz

2.1.1 Test Result

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	836.5	Outer_Full	20	LV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass

BPSK				HV	-6.80	-0.0081	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-9.00	-0.0108	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-9.90	-0.0118	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-9.40	-0.0112	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-9.80	-0.0117	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-8.80	-0.0105	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.20	-0.0074	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.90	-0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-7.90	-0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	50	NV	-8.20	-0.0098	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-12.80	-0.0153	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-6.30	-0.0075	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.50	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-10.00	-0.0120	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-10.30	-0.0123	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.70	-0.0080	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-10.90	-0.0130	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.60	-0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	30	NV	-5.30	-0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-11.30	-0.0135	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-13.40	-0.0160	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-6.80	-0.0081	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-6.30	-0.0075	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-13.70	-0.0164	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-14.20	-0.0170	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-10.70	-0.0128	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-10.70	-0.0128	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	10	NV	-11.20	-0.0134	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-9.20	-0.0110	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-8.50	-0.0102	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-4.70	-0.0056	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.70	-0.0056	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.90	-0.0071	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-6.20	-0.0074	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	-10	NV	-9.10	-0.0109	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-10.10	-0.0121	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-5.10	-0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.80	-0.0081	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.60	-0.0091	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-7.10	-0.0085	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-9.60	-0.0115	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-2.00	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.20	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	836.5	Outer_Full	-30	NV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.80	-0.0057	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.60	-0.0055	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-1.40	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.50	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.10	-0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.50	-0.0054	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-8.60	-0.0103	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.50	-0.0066	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.80	-0.0069	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			0	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			10	NV	3.50	0.0042	>=-2.5 & <=2.5	Pass
			20	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			30	NV	4.50	0.0054	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0075	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	3.70	0.0044	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			-20	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			20	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			30	NV	-0.80	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			50	NV	-5.20	-0.0062	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0081	>=-2.5 & <=2.5	Pass
			-10	NV	1.90	0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

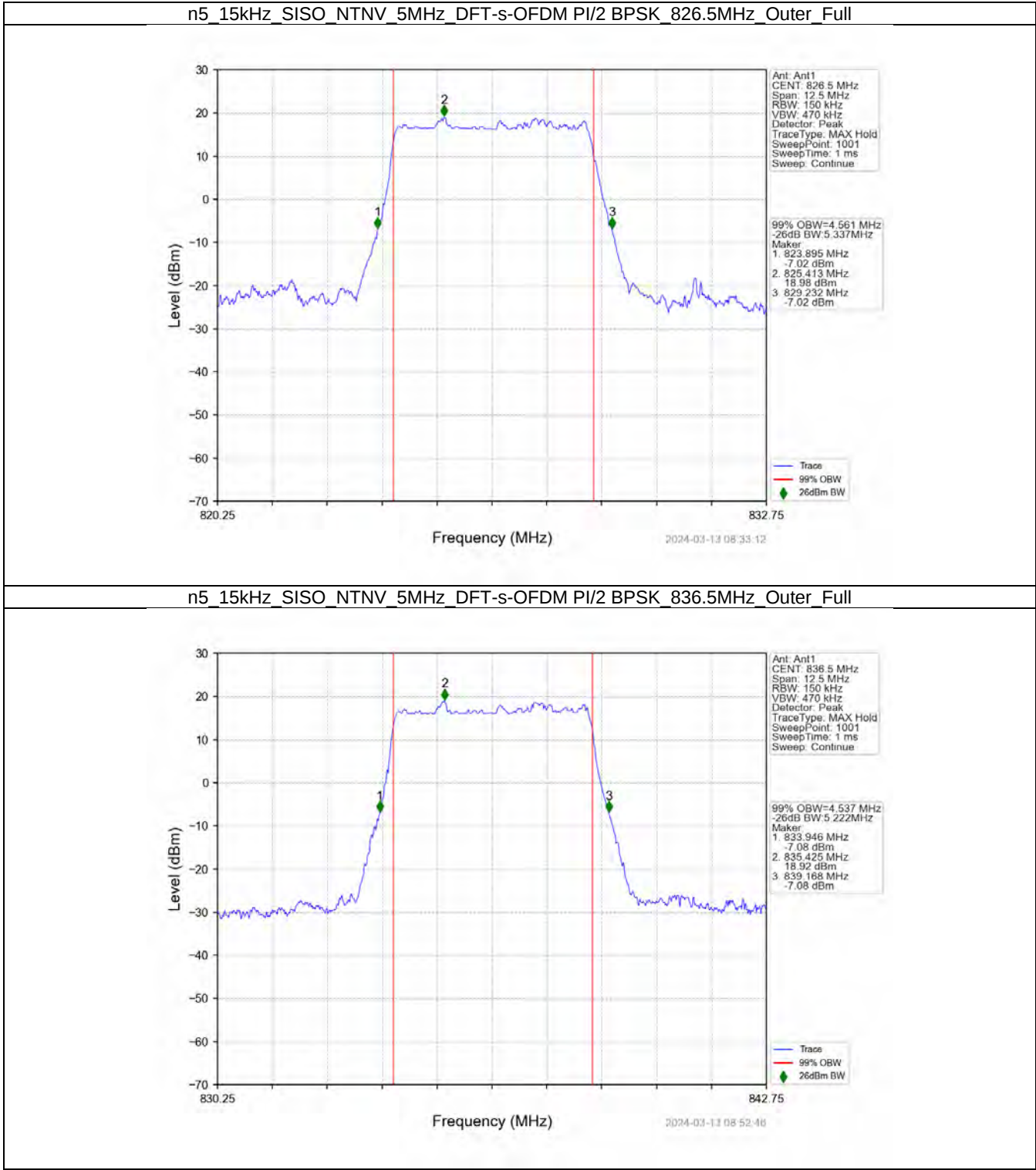
3.1 15k_SISO_5MHz_NTNV

3.1.1 Test Result

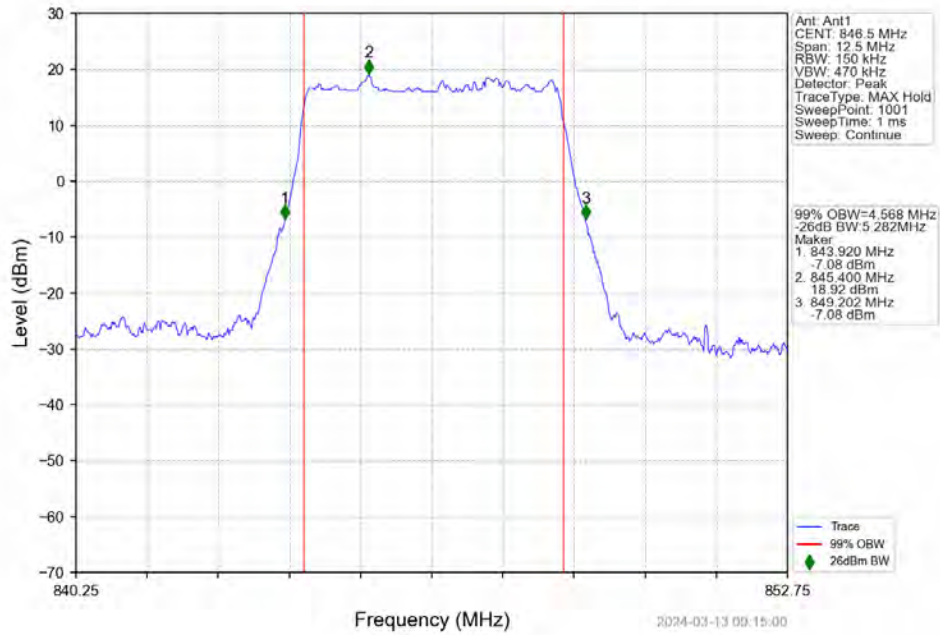
5G NR n5 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	826.5	Outer_Full	4.56	5.34	/	Pass
	836.5	Outer_Full	4.54	5.22	/	Pass
	846.5	Outer_Full	4.57	5.28	/	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	4.53	5.17	/	Pass
	836.5	Outer_Full	4.53	5.19	/	Pass
	846.5	Outer_Full	4.53	5.21	/	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	4.61	5.30	/	Pass

	836.5	Outer_Full	4.56	5.23	/	Pass
	846.5	Outer_Full	4.60	5.30	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.56	5.25	/	Pass
	836.5	Outer_Full	4.54	5.24	/	Pass
	846.5	Outer_Full	4.53	5.18	/	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	4.52	5.22	/	Pass
	836.5	Outer_Full	4.57	5.29	/	Pass
	846.5	Outer_Full	4.53	5.22	/	Pass
CP-OFDM QPSK	826.5	Outer_Full	4.56	5.27	/	Pass
	836.5	Outer_Full	4.54	5.37	/	Pass
	846.5	Outer_Full	4.54	5.36	/	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	4.56	5.42	/	Pass
	836.5	Outer_Full	4.62	5.43	/	Pass
	846.5	Outer_Full	4.57	5.36	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.56	5.34	/	Pass
	836.5	Outer_Full	4.55	5.30	/	Pass
	846.5	Outer_Full	4.57	5.35	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.58	5.41	/	Pass
	836.5	Outer_Full	4.57	5.40	/	Pass
	846.5	Outer_Full	4.59	5.42	/	Pass

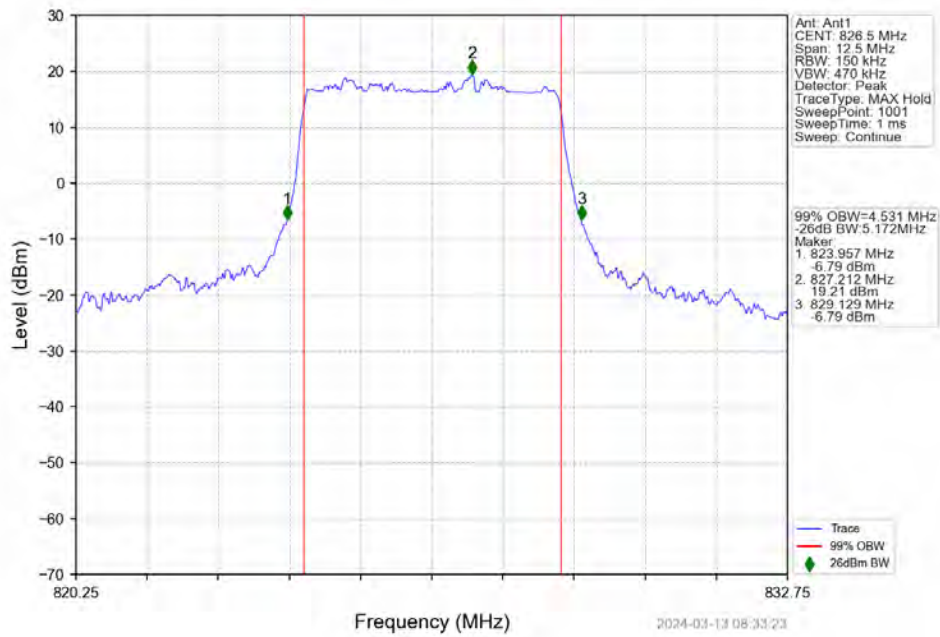
3.1.2 Test Graph



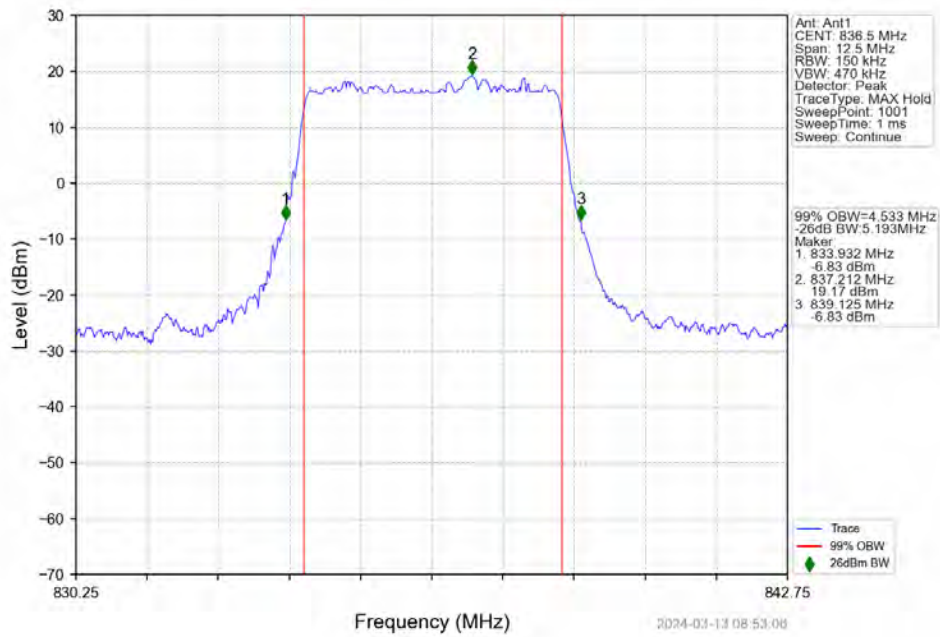
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Outer Full



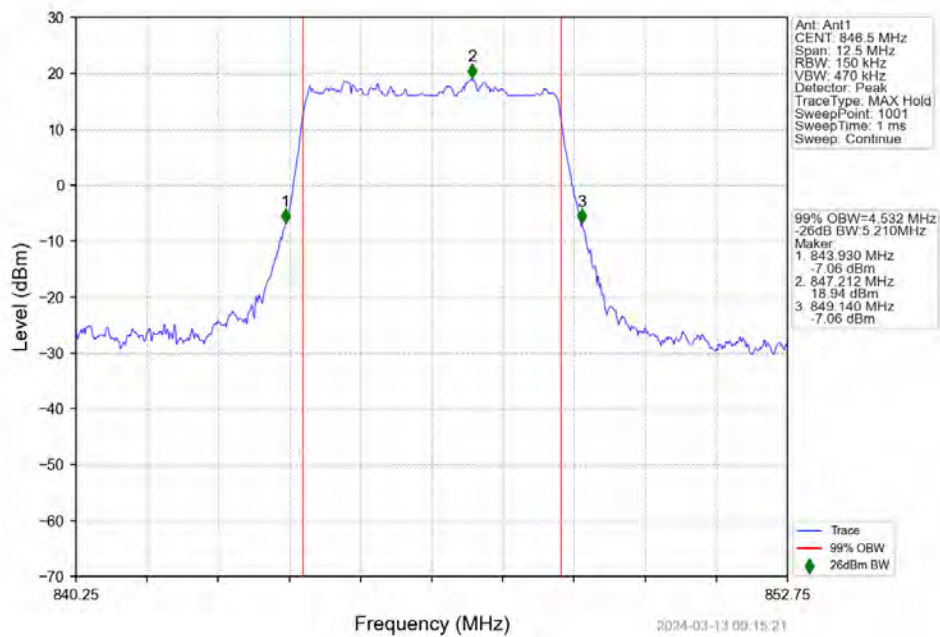
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Outer Full



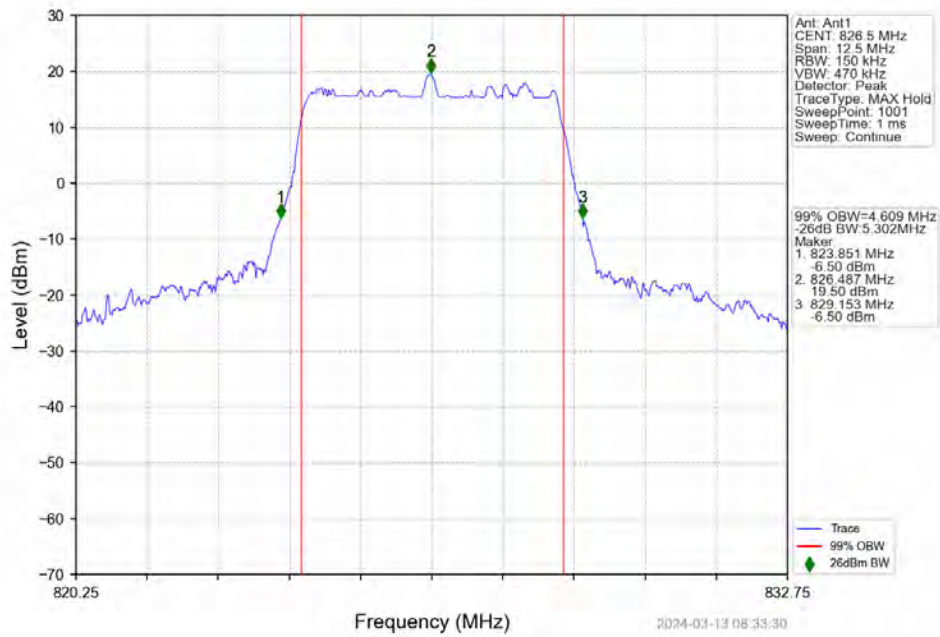
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 836.5MHz Outer Full



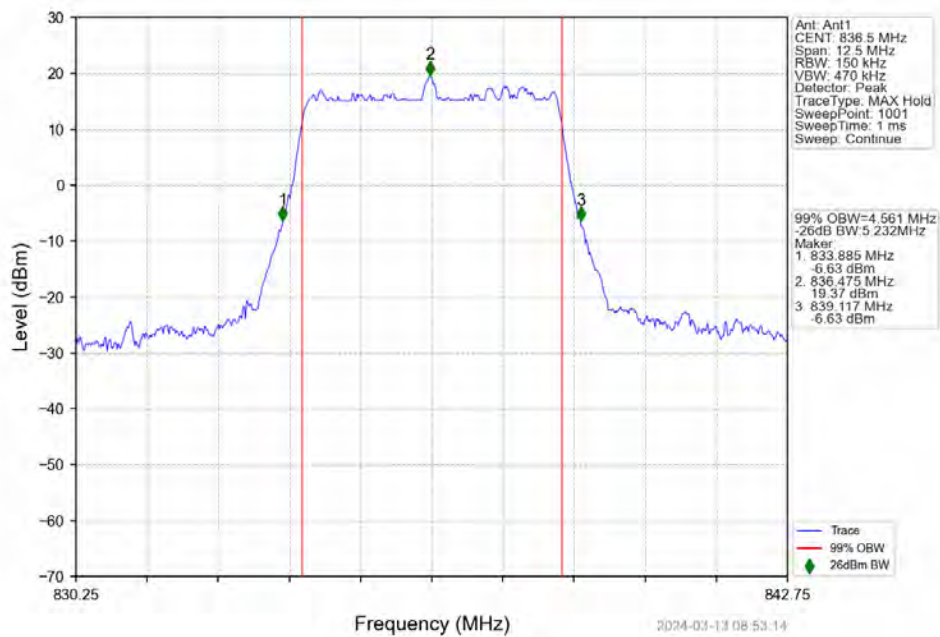
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Outer Full



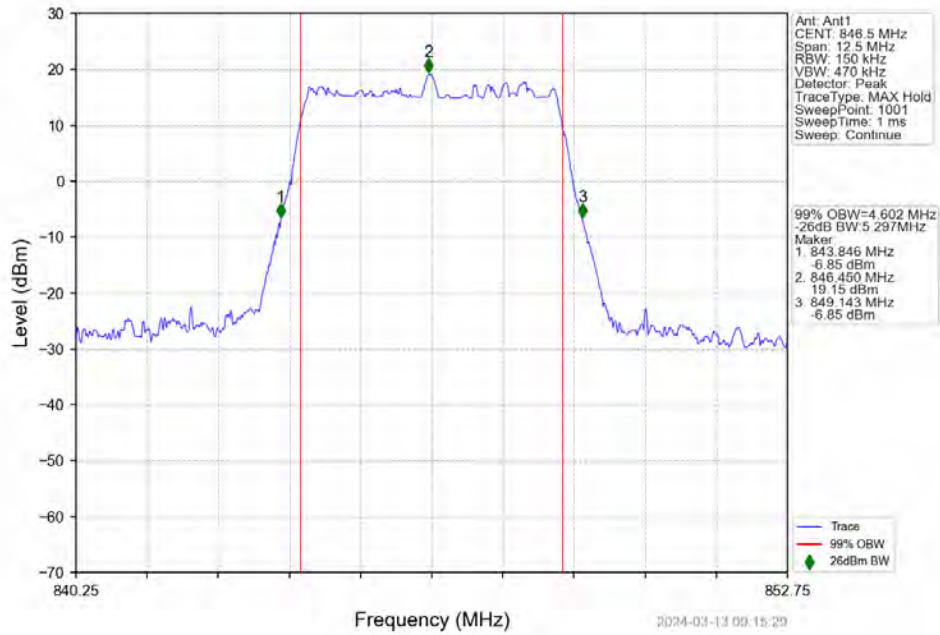
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_826.5MHz_Outer_Full



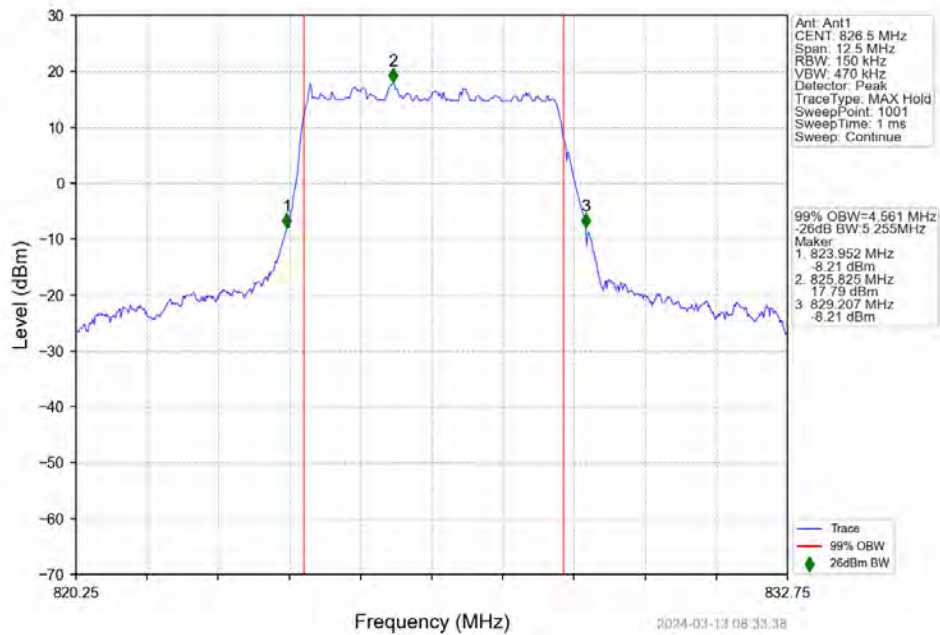
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full



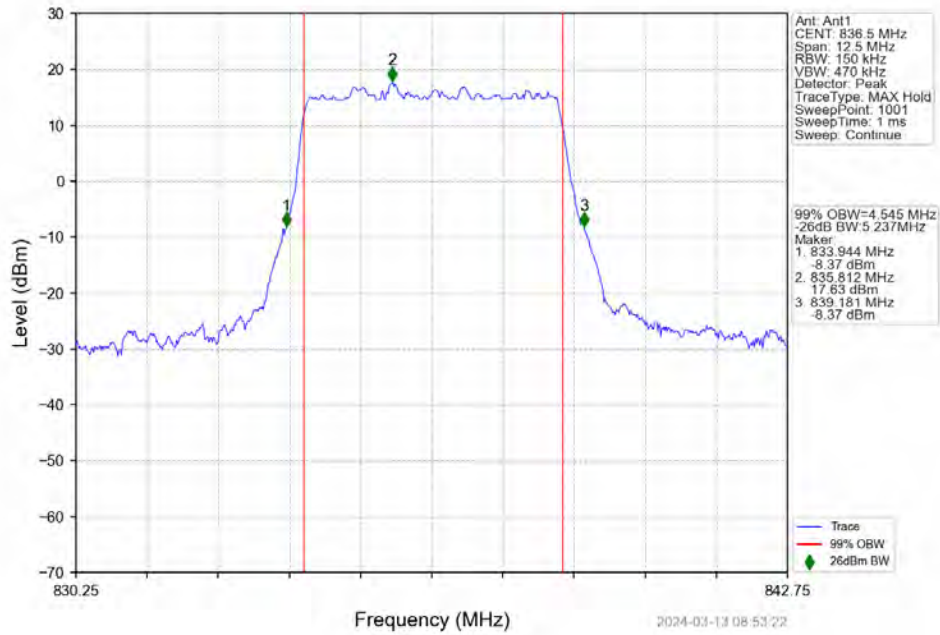
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_846.5MHz_Outer_Full



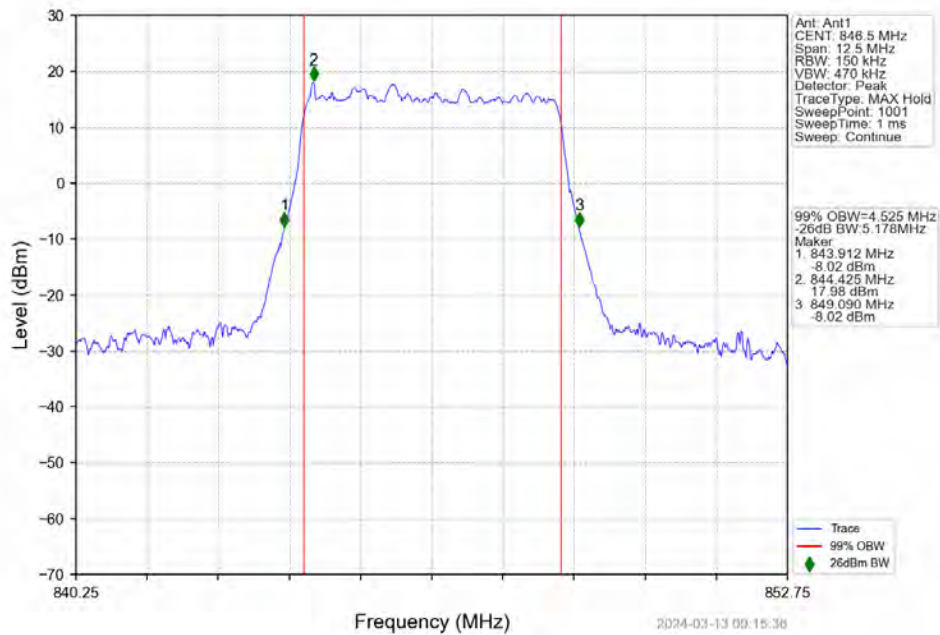
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_826.5MHz_Outer_Full



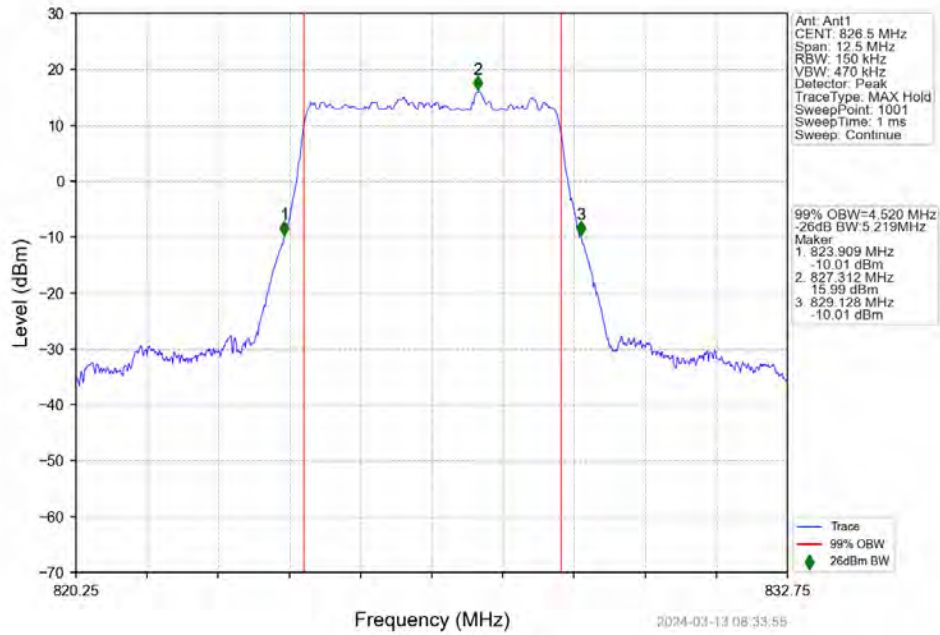
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full



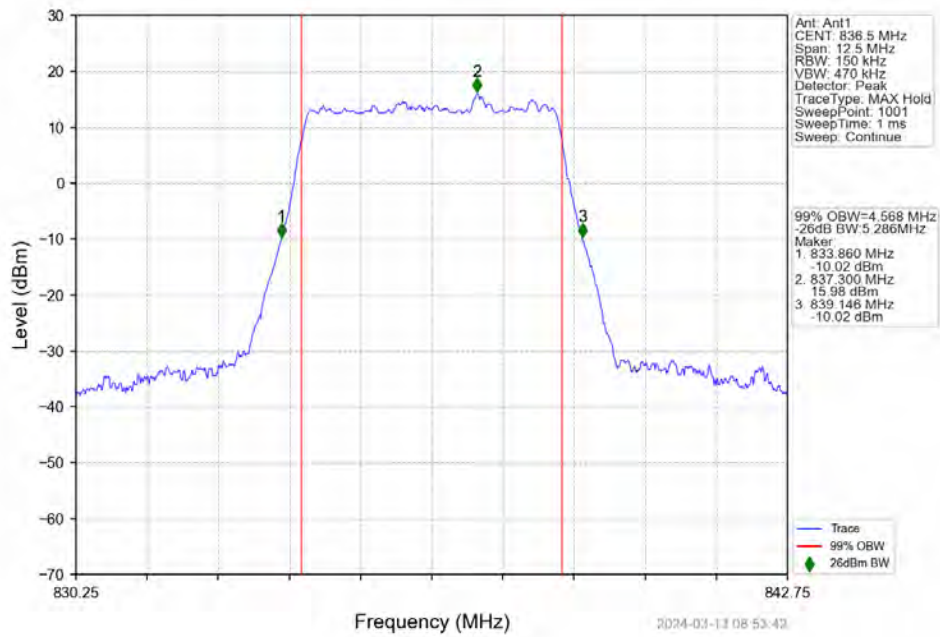
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_846.5MHz_Outer_Full



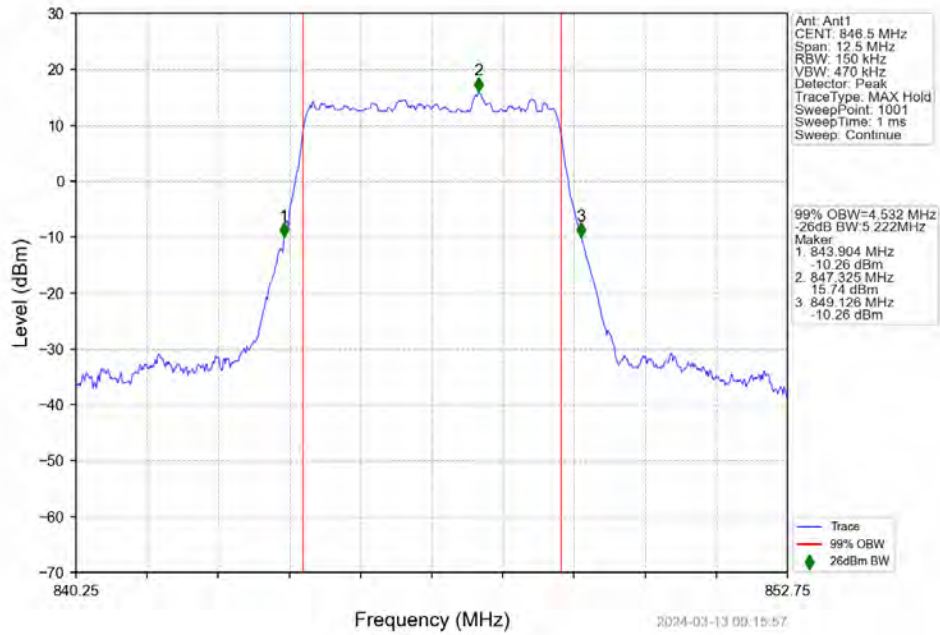
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 826.5MHz Outer Full



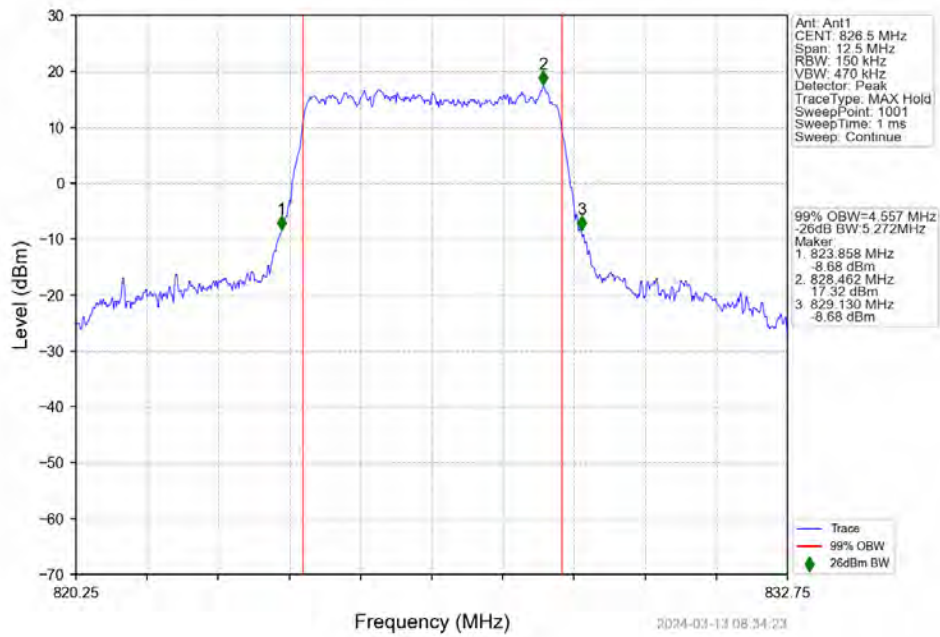
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



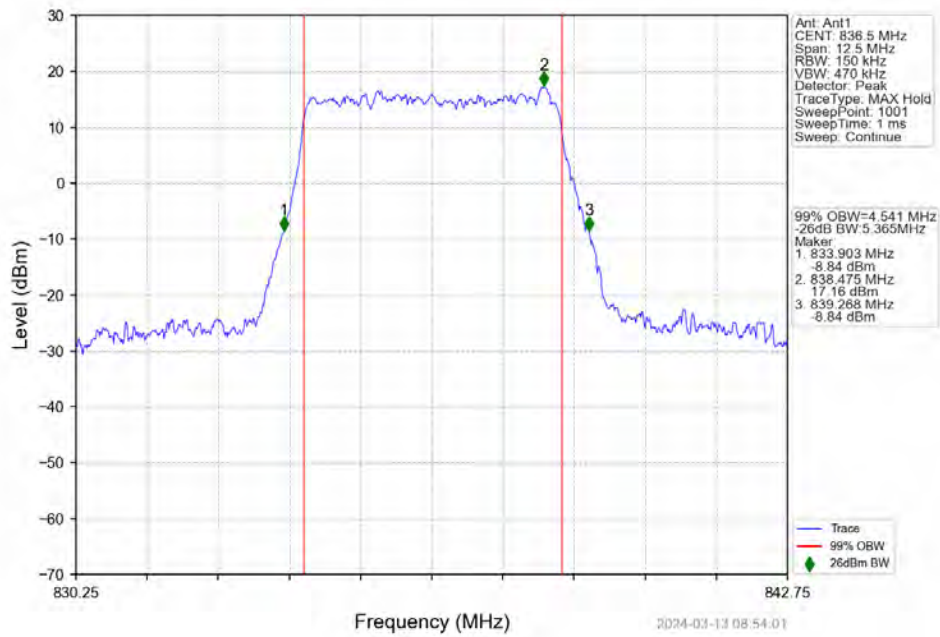
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 846.5MHz Outer Full



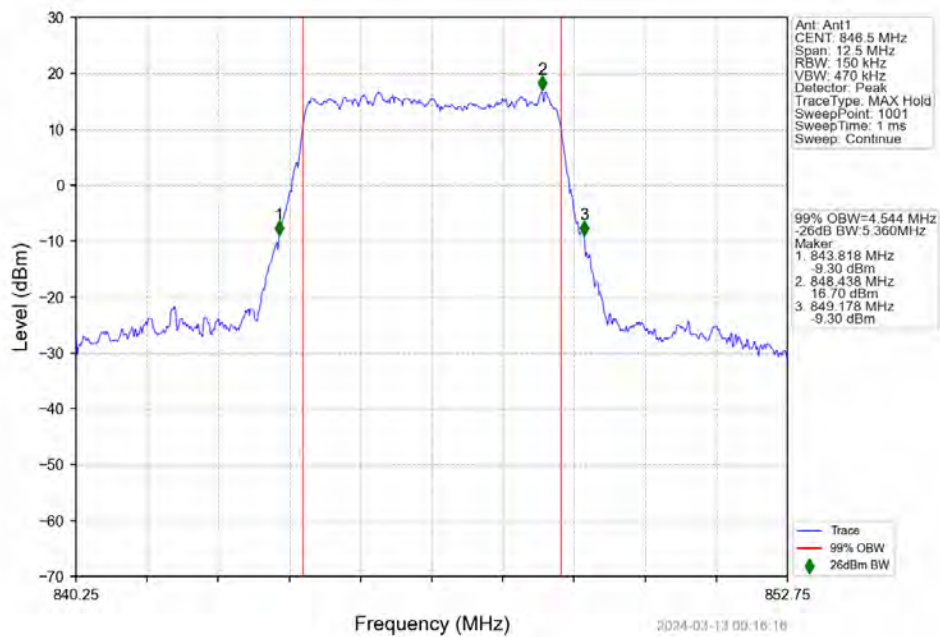
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 826.5MHz Outer Full



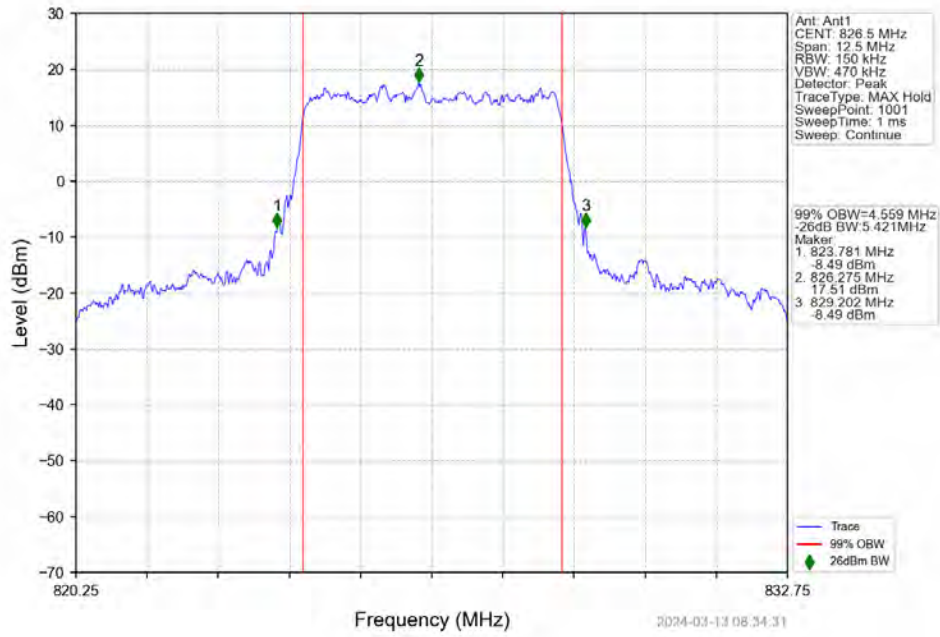
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 836.5MHz Outer Full



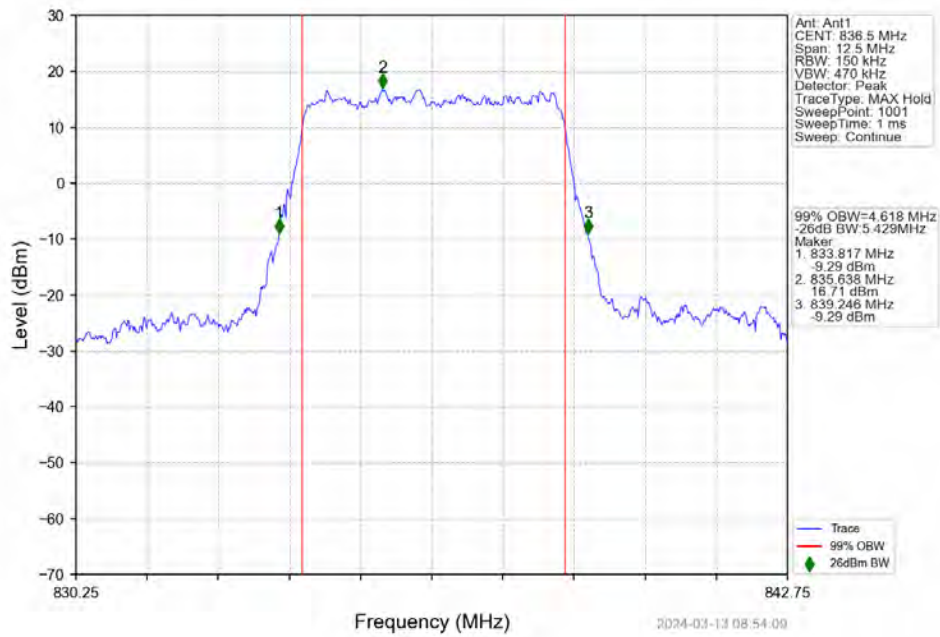
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 846.5MHz Outer Full



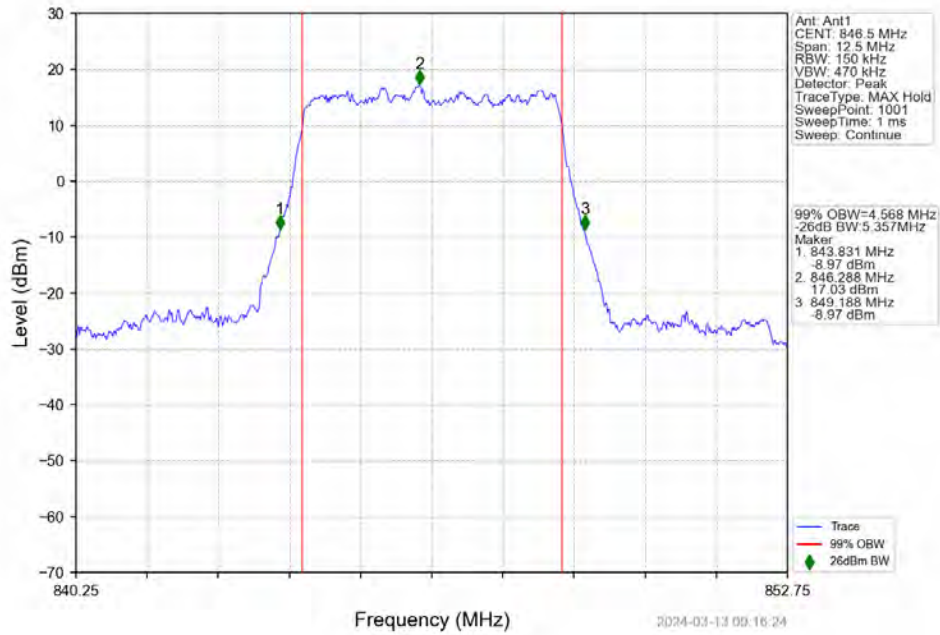
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_826.5MHz_Outer_Full



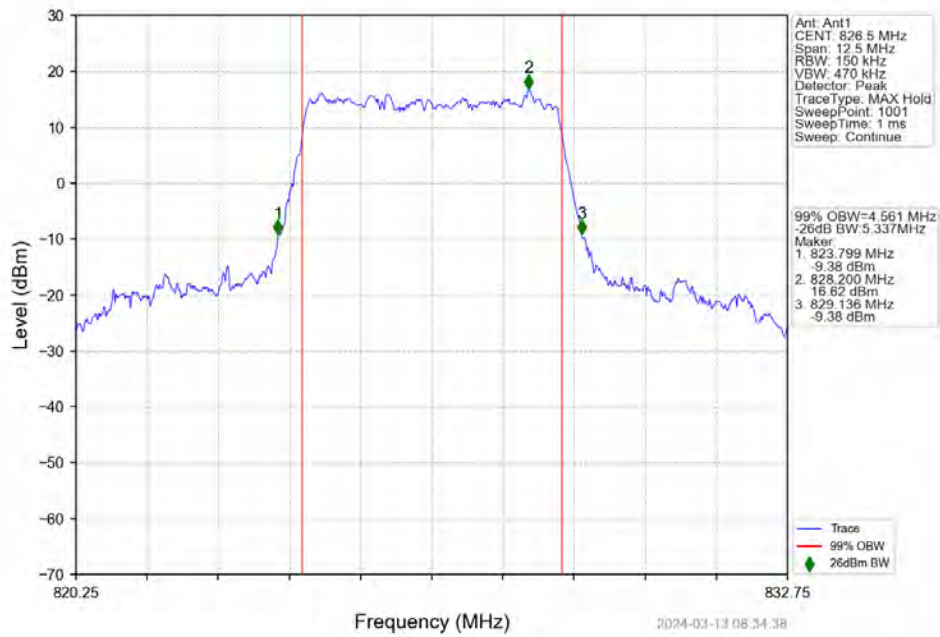
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full



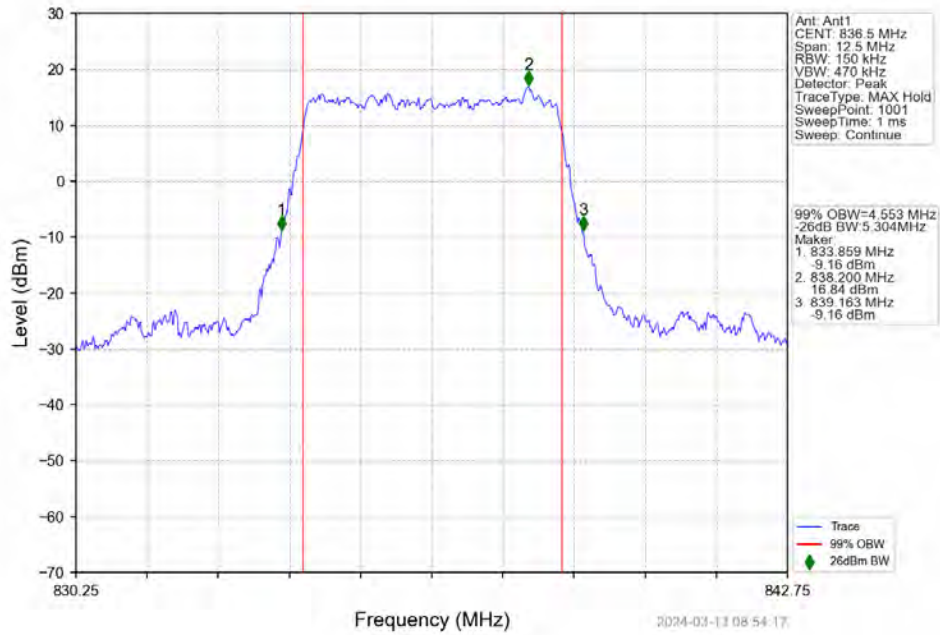
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_846.5MHz_Outer_Full



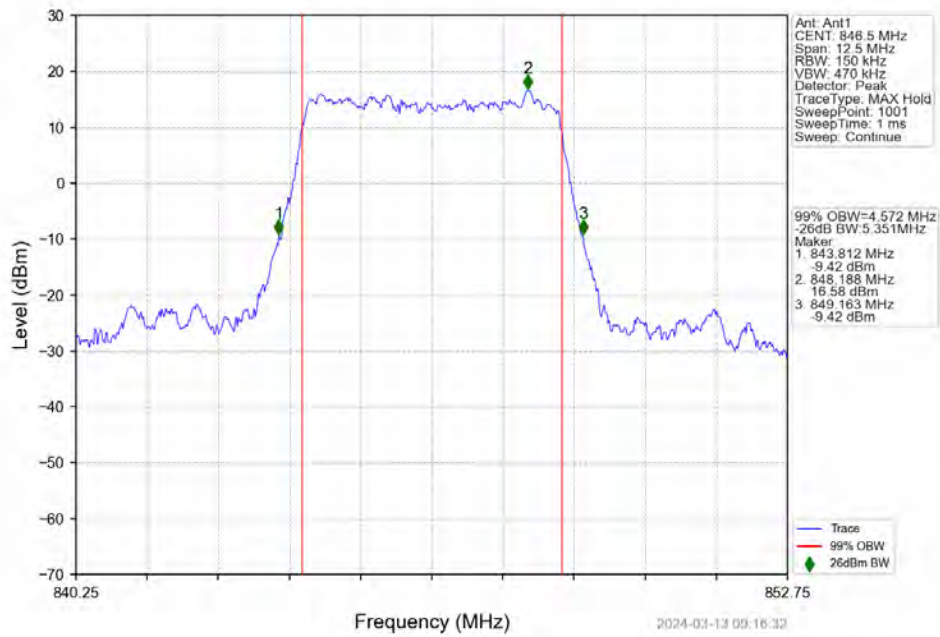
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_826.5MHz_Outer_Full



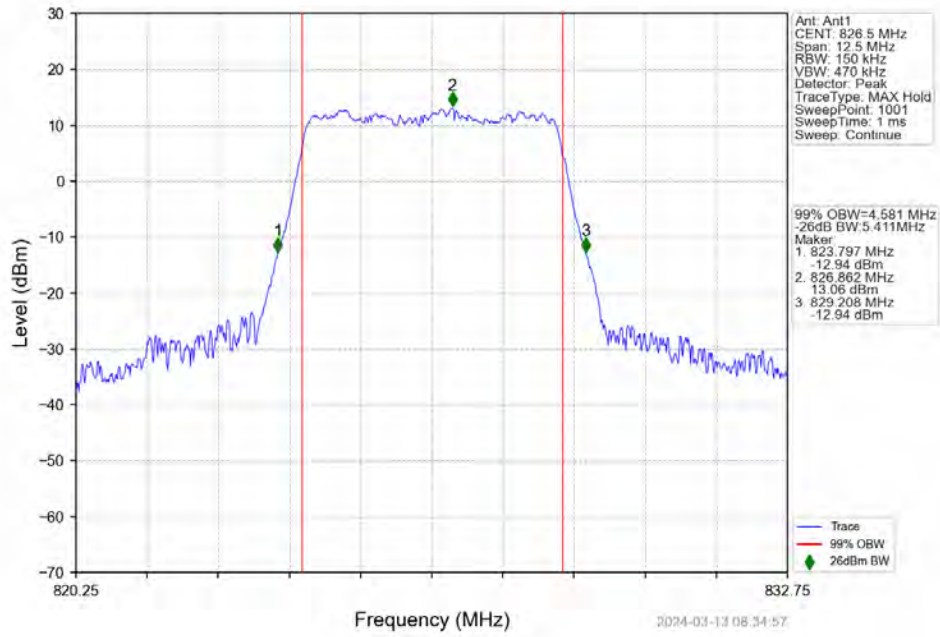
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full



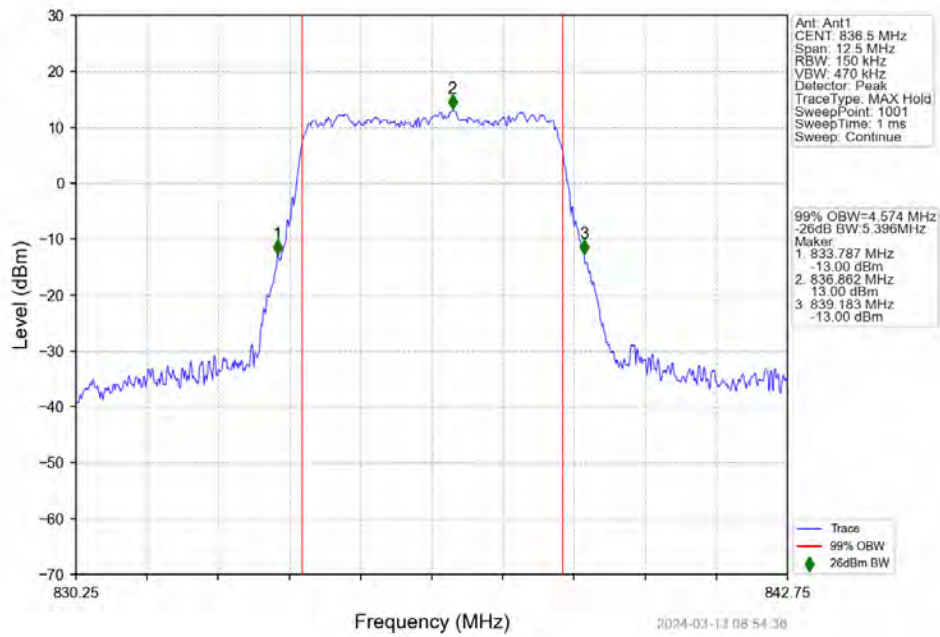
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_846.5MHz_Outer_Full



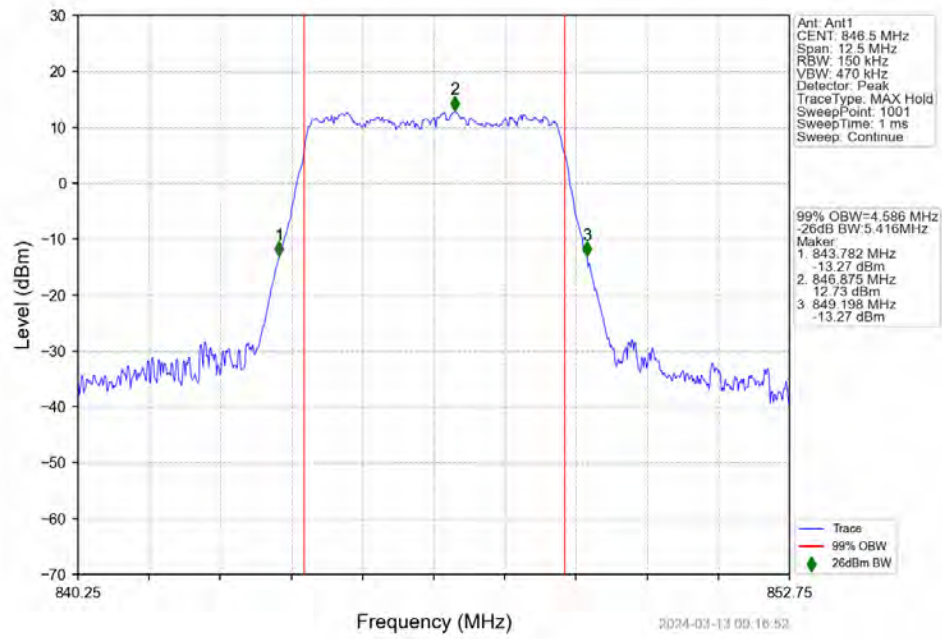
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 826.5MHz Outer Full



n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 836.5MHz Outer Full



n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 846.5MHz Outer Full

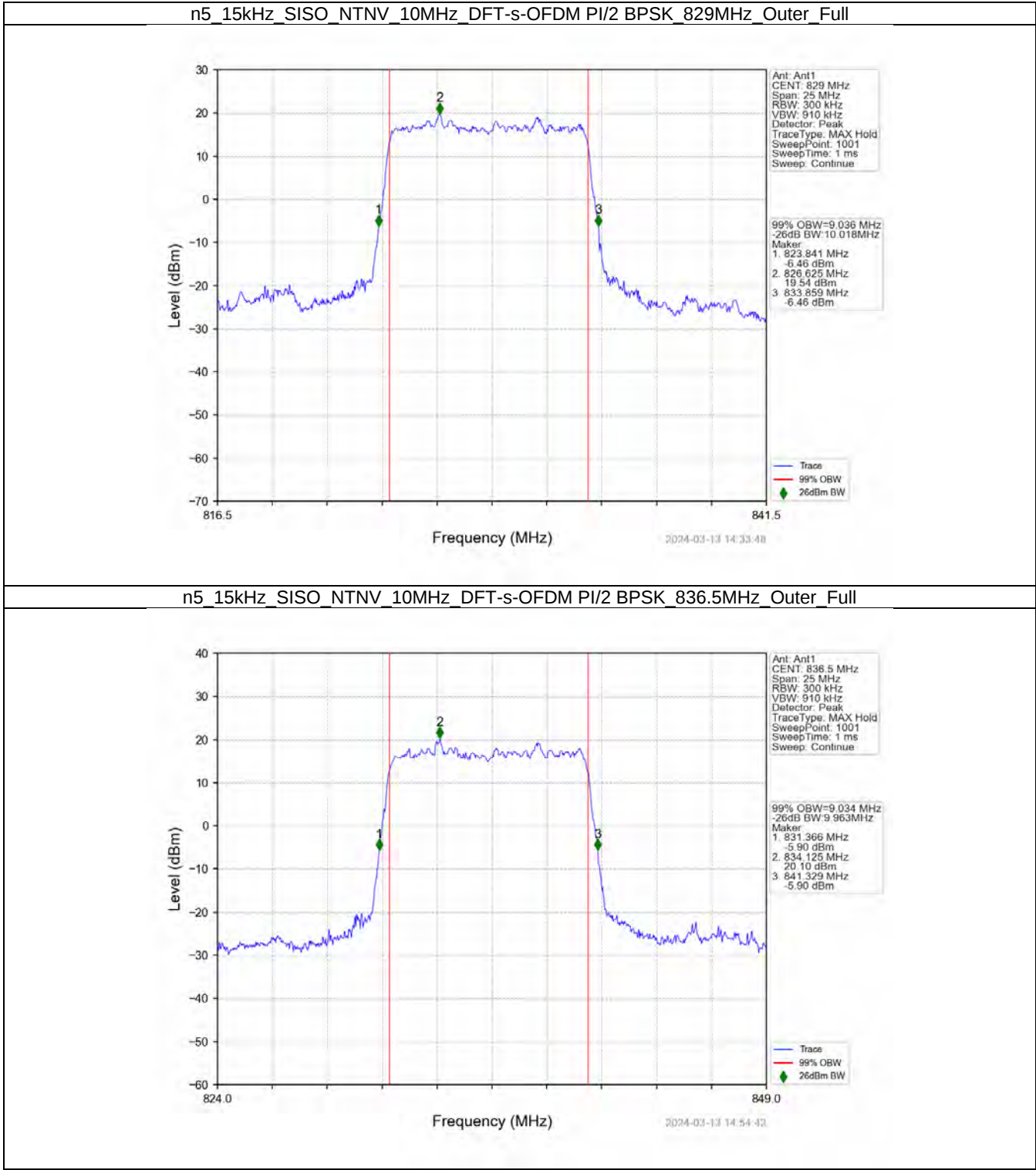


3.2 15k_SISO_10MHz_NTNV

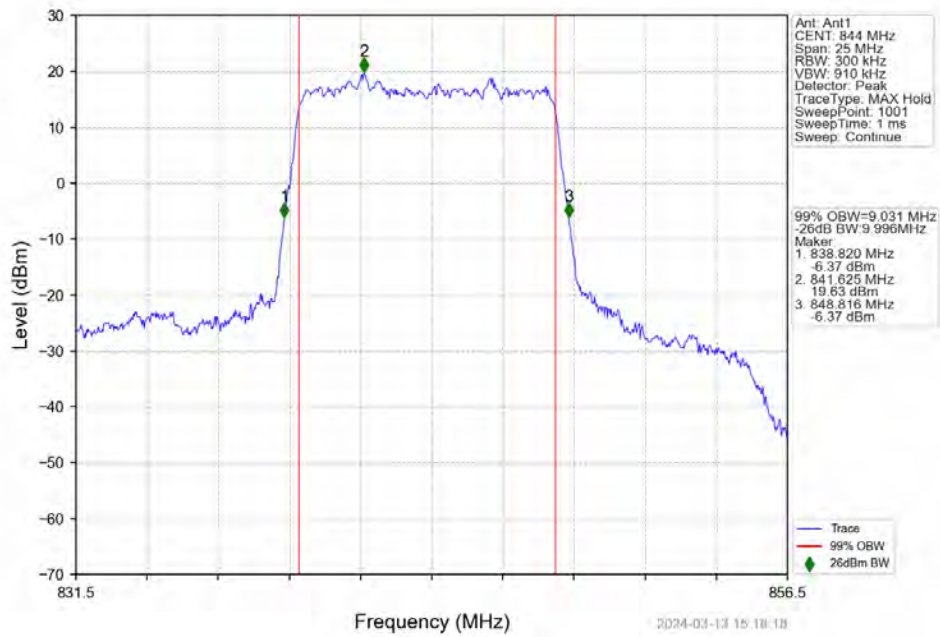
3.2.1 Test Result

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	9.04	10.02	/	Pass
	836.5	Outer_Full	9.03	9.96	/	Pass
	844	Outer_Full	9.03	10.00	/	Pass
DFT-s-OFDM QPSK	829	Outer_Full	9.07	10.07	/	Pass
	836.5	Outer_Full	9.06	10.08	/	Pass
	844	Outer_Full	9.06	9.99	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.05	10.03	/	Pass
	836.5	Outer_Full	9.05	10.05	/	Pass
	844	Outer_Full	9.06	10.01	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	9.05	10.04	/	Pass
	836.5	Outer_Full	9.05	10.07	/	Pass
	844	Outer_Full	9.03	10.00	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.06	10.08	/	Pass
	836.5	Outer_Full	9.04	9.98	/	Pass
	844	Outer_Full	9.04	9.96	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.38	10.43	/	Pass
	836.5	Outer_Full	9.38	10.42	/	Pass
	844	Outer_Full	9.39	10.43	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	9.41	10.41	/	Pass
	836.5	Outer_Full	9.40	10.38	/	Pass
	844	Outer_Full	9.40	10.34	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	9.37	10.32	/	Pass
	836.5	Outer_Full	9.35	10.29	/	Pass
	844	Outer_Full	9.35	10.28	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	9.41	10.45	/	Pass
	836.5	Outer_Full	9.40	10.44	/	Pass
	844	Outer_Full	9.42	10.40	/	Pass

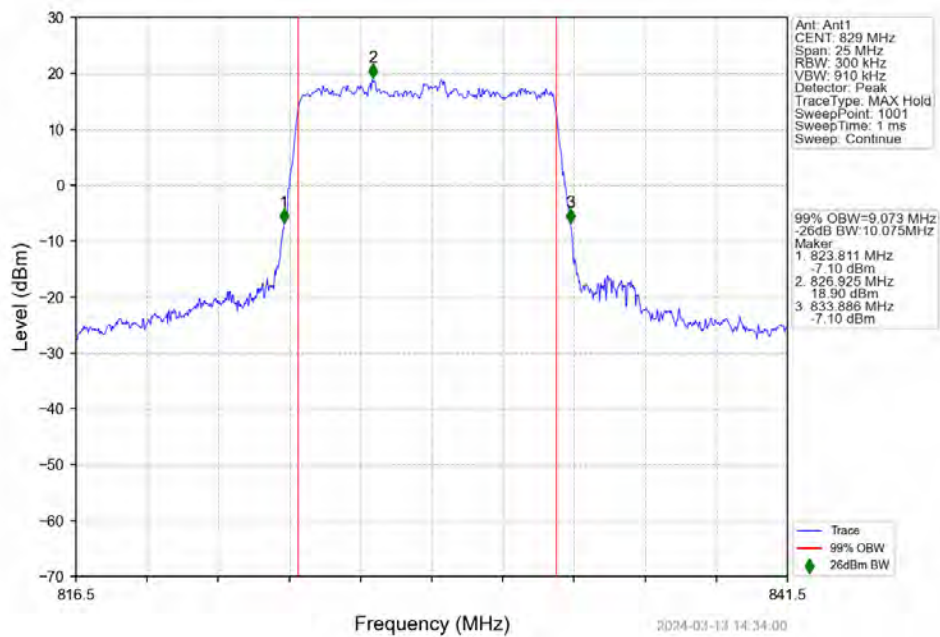
3.2.2 Test Graph



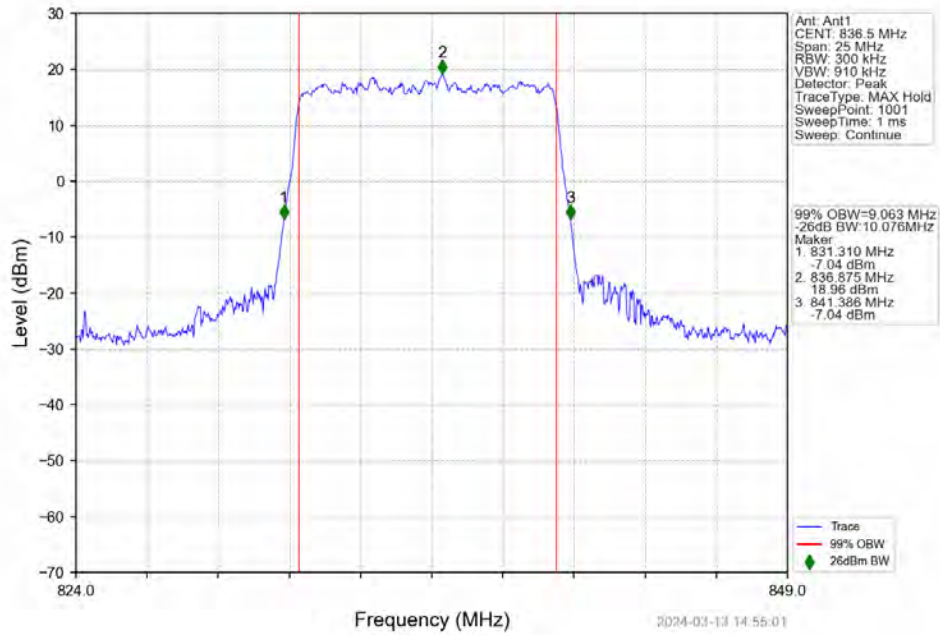
n5 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 844MHz Outer Full



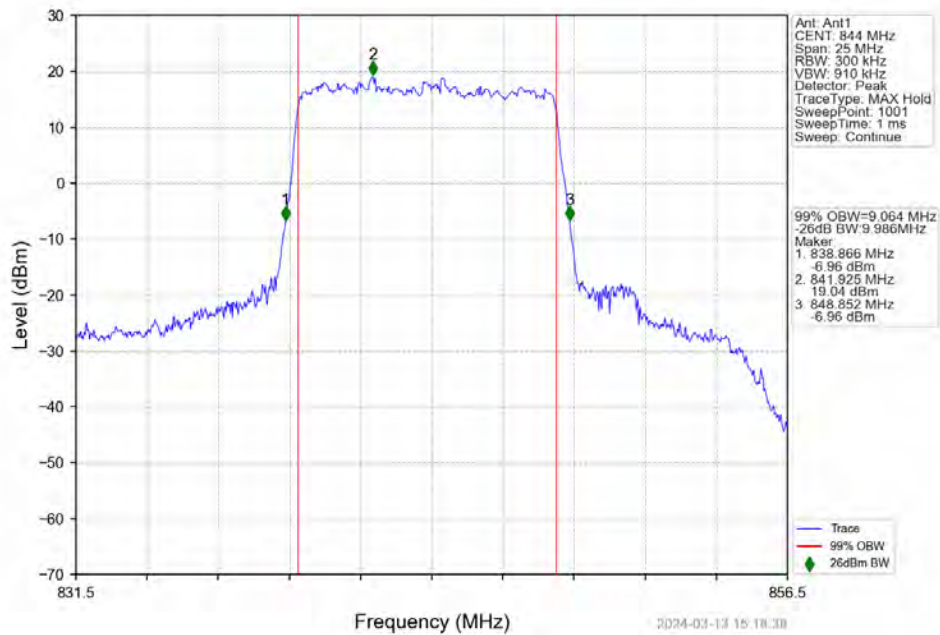
n5 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 829MHz Outer Full



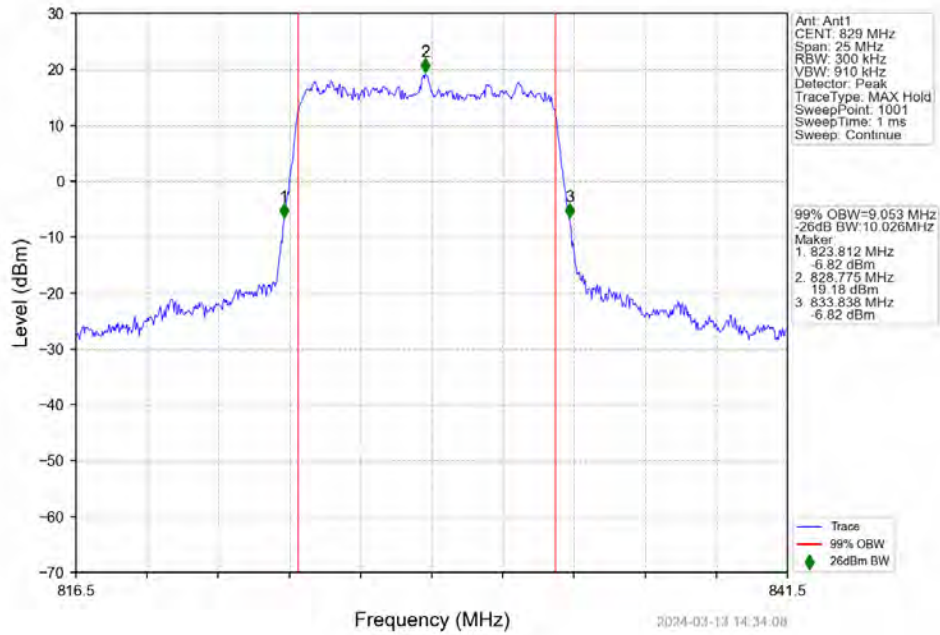
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_836.5MHz_Outer_Full



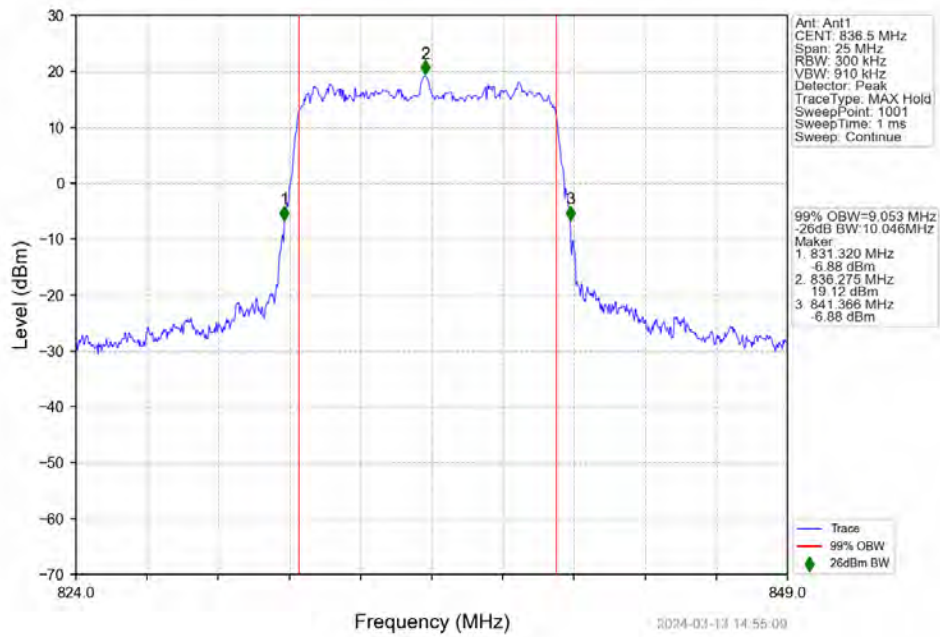
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full



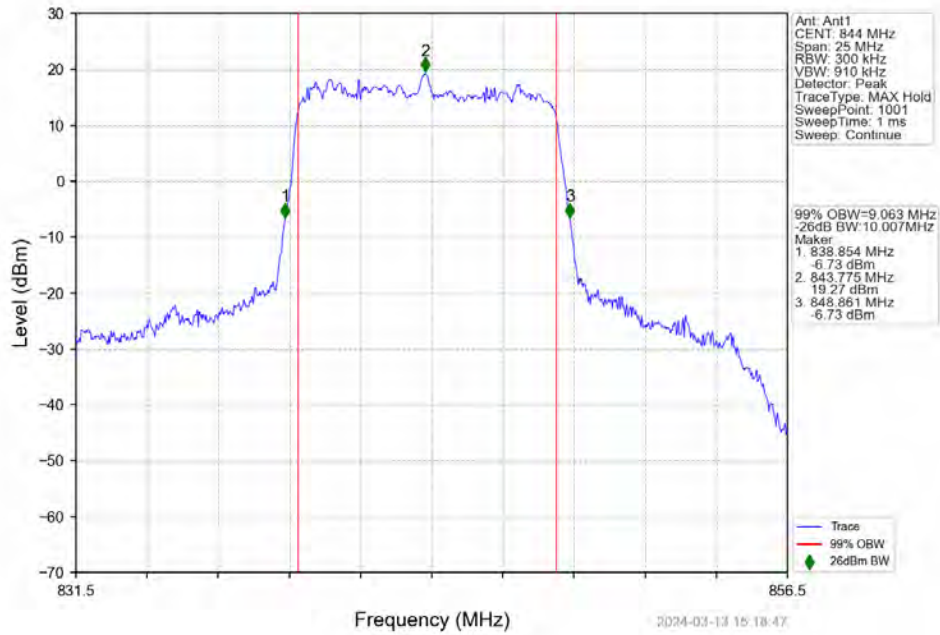
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 829MHz Outer Full



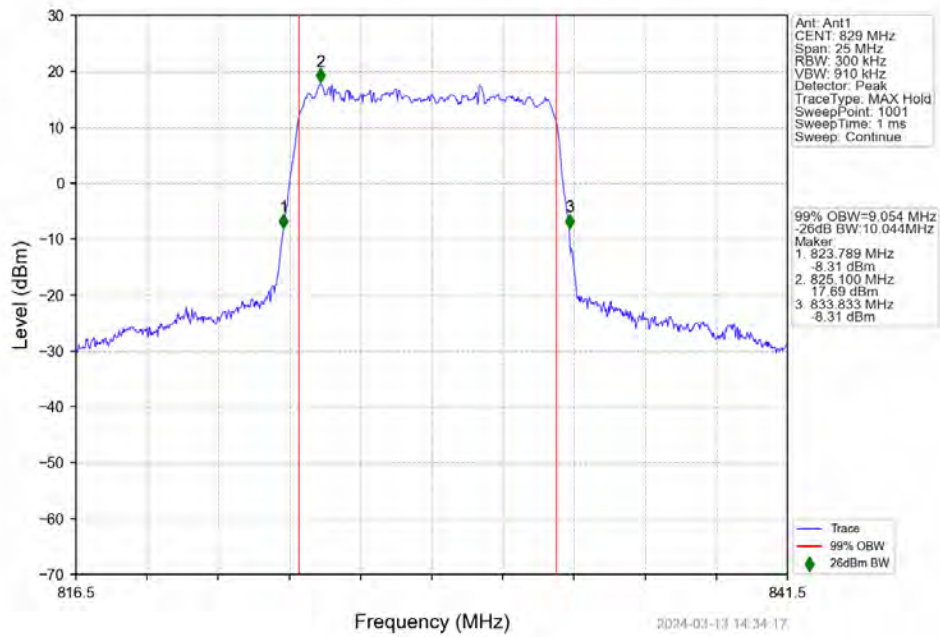
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



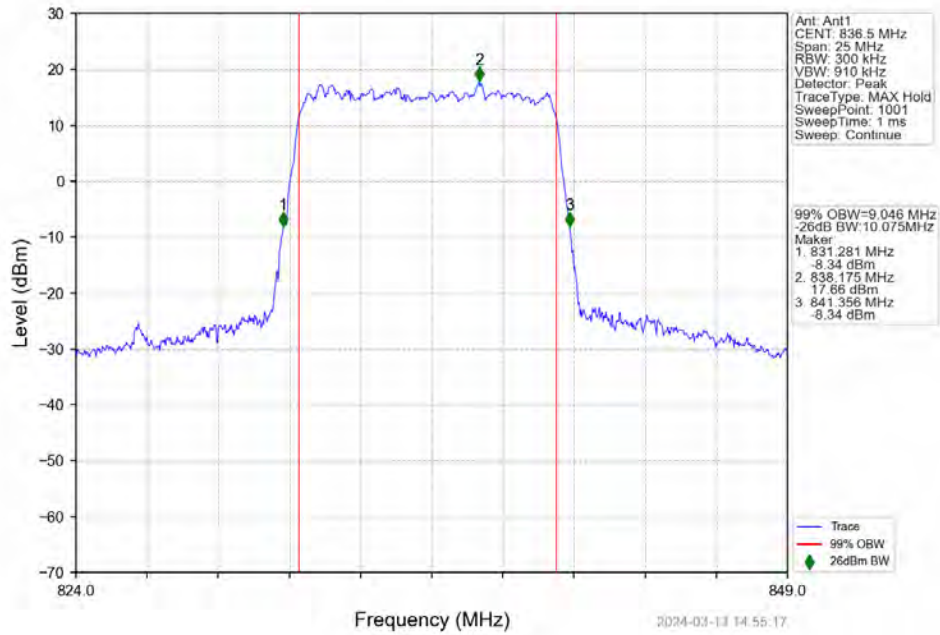
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_844MHz_Outer_Full



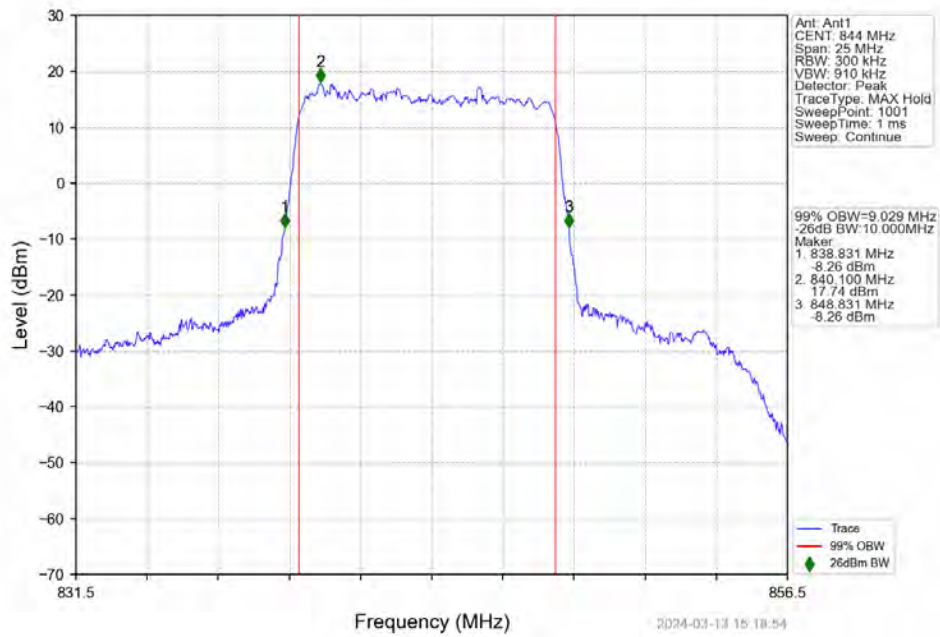
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_829MHz_Outer_Full



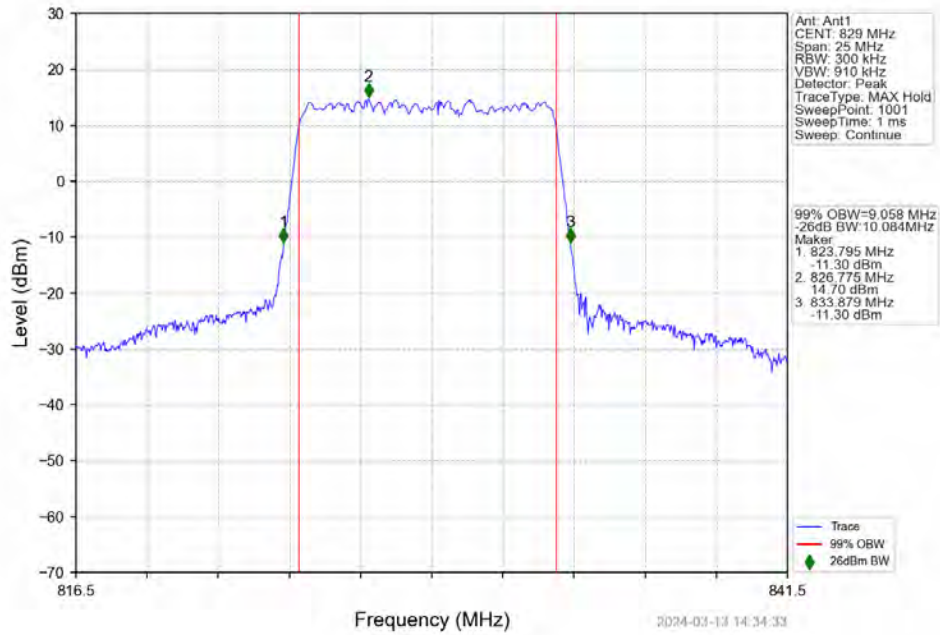
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



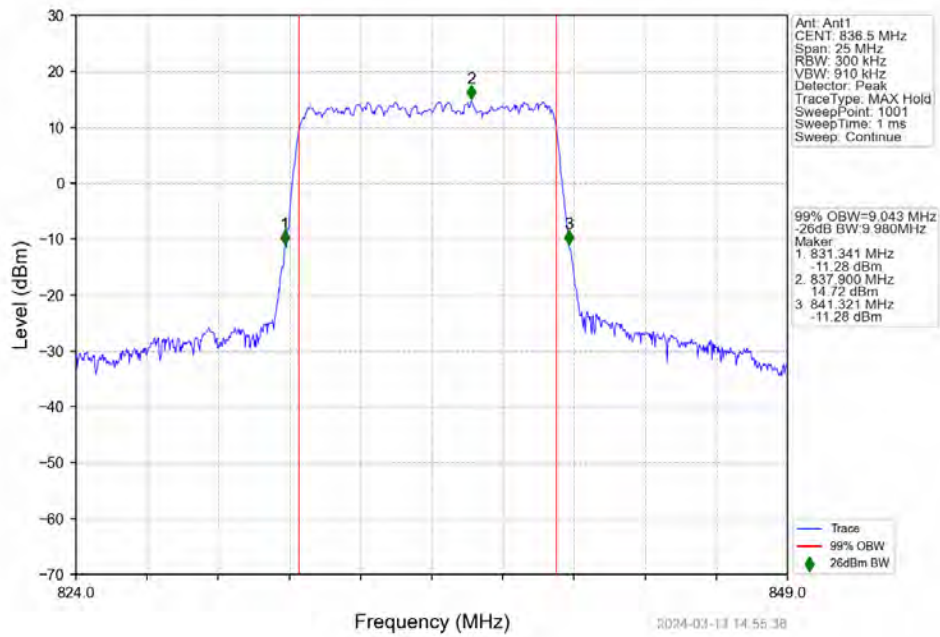
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 844MHz Outer Full



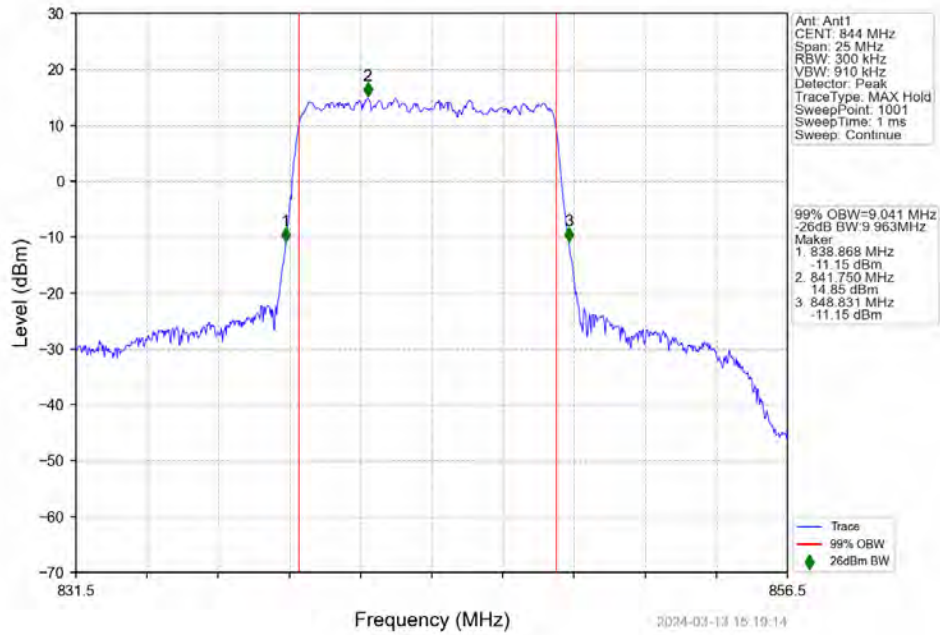
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_829MHz_Outer_Full



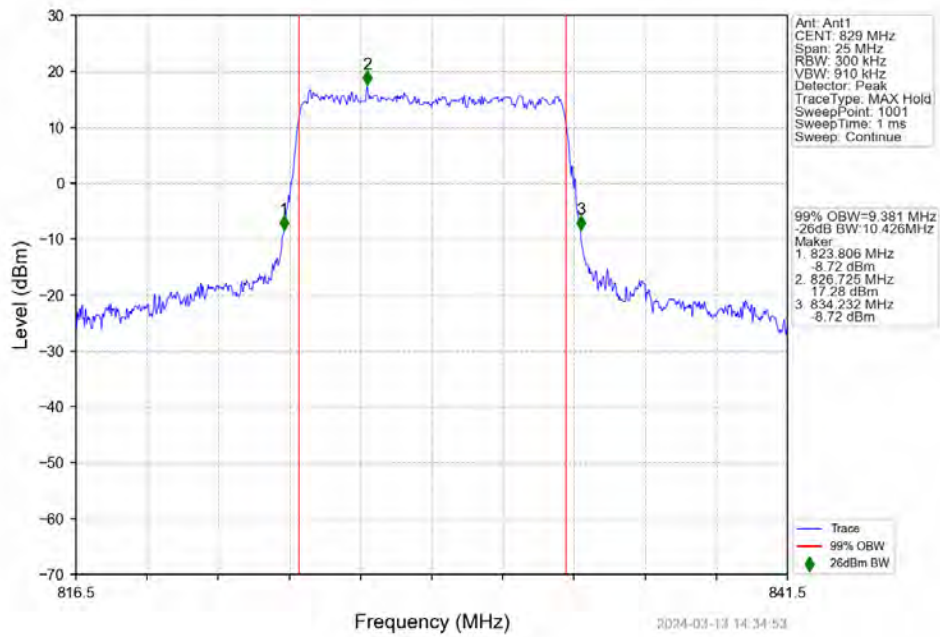
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full



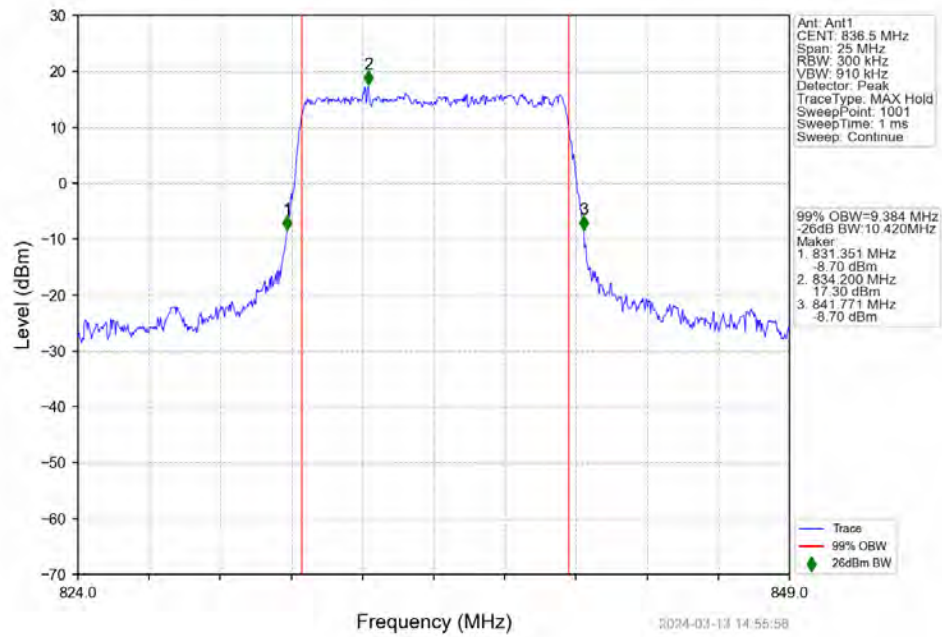
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_844MHz_Outer_Full



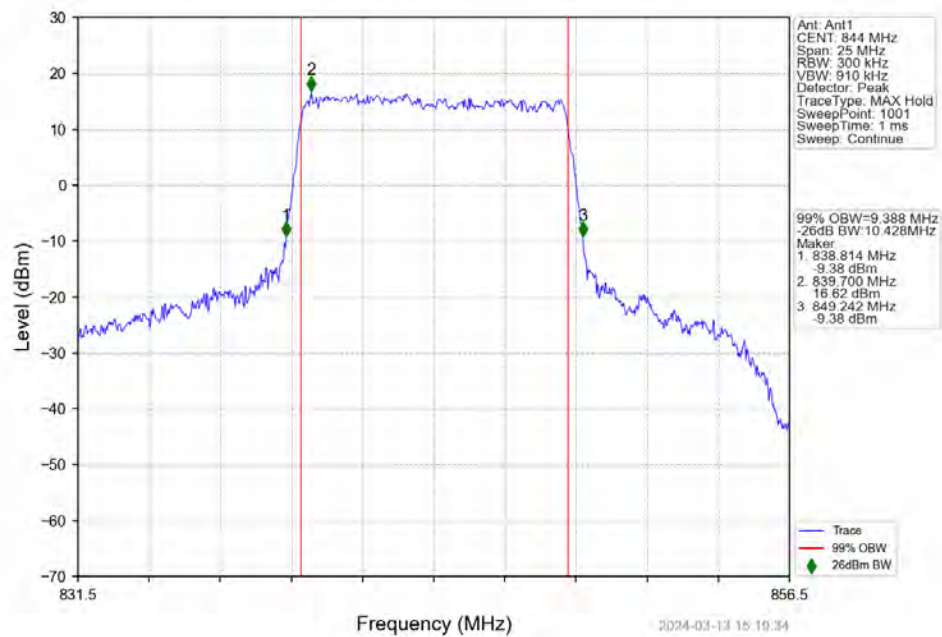
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_829MHz_Outer_Full



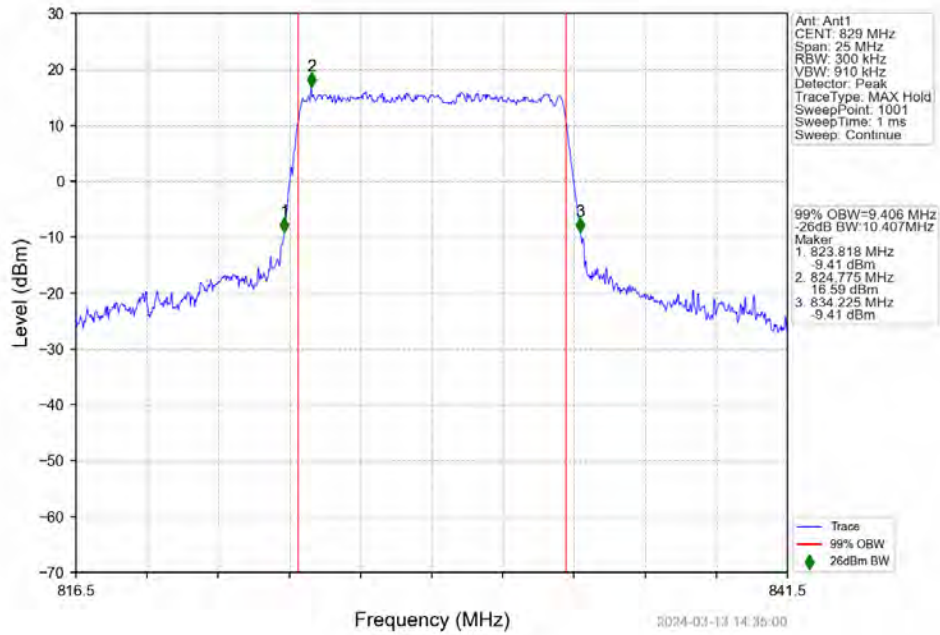
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full



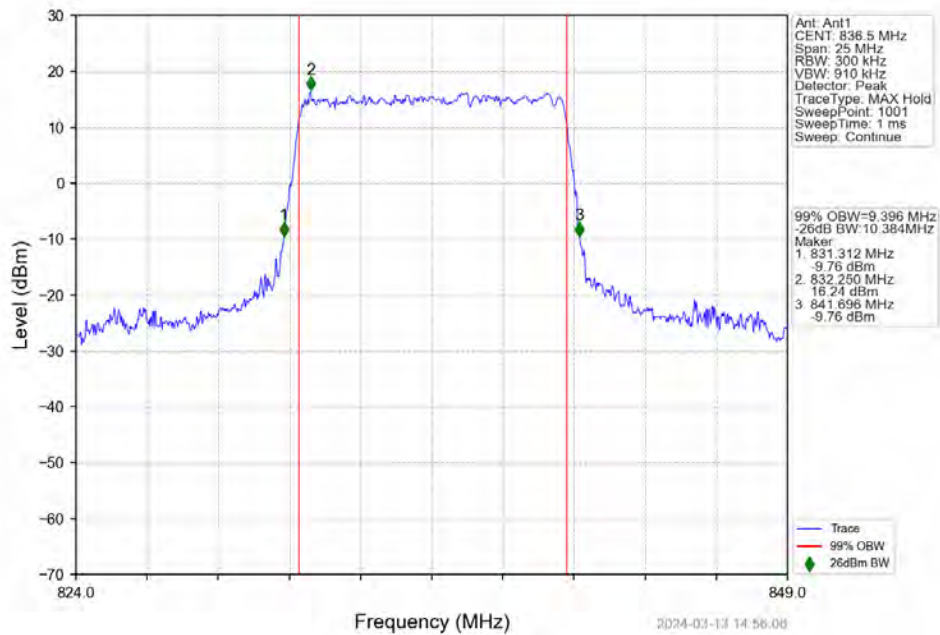
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_844MHz_Outer_Full



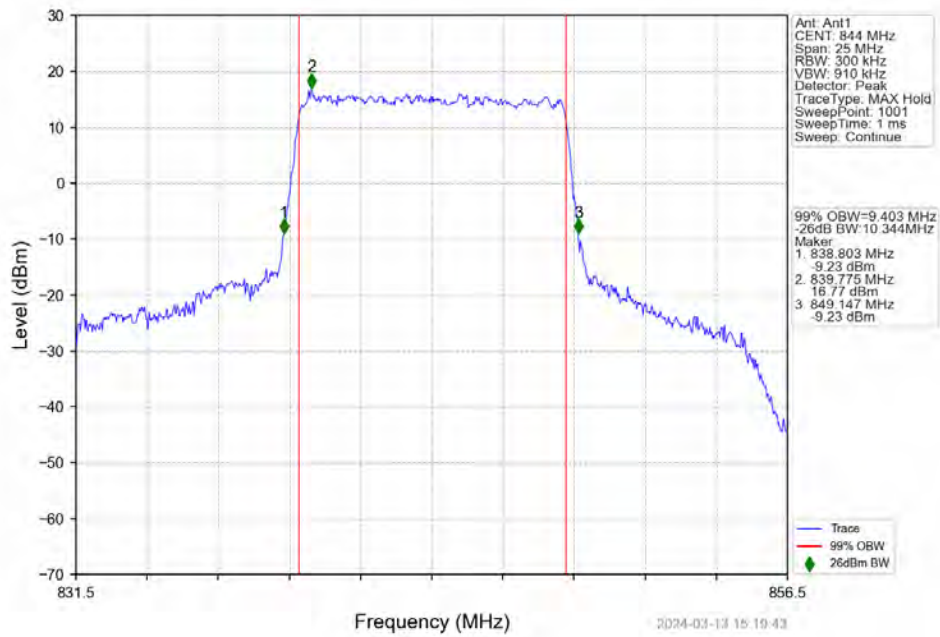
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_829MHz_Outer_Full



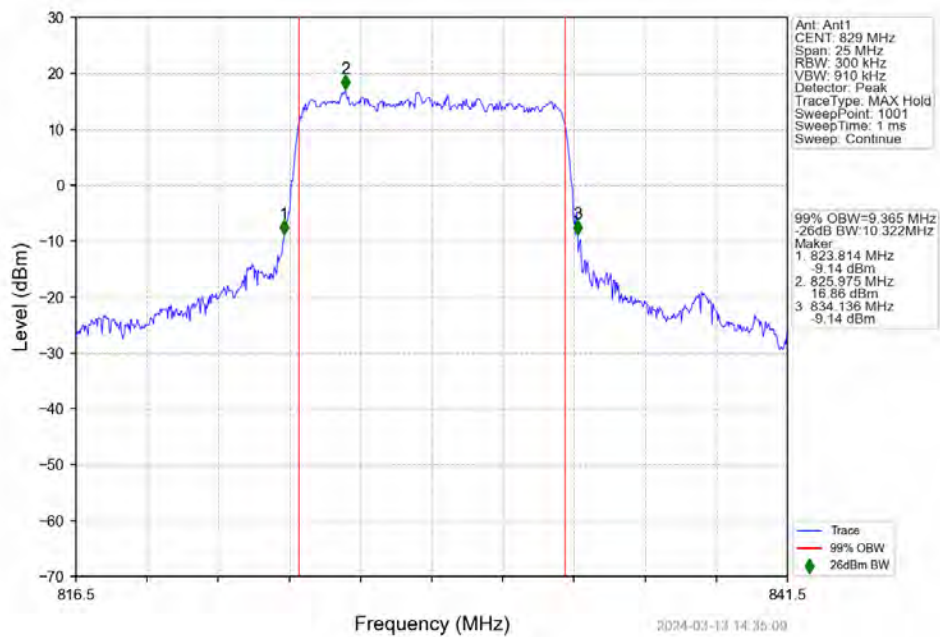
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full



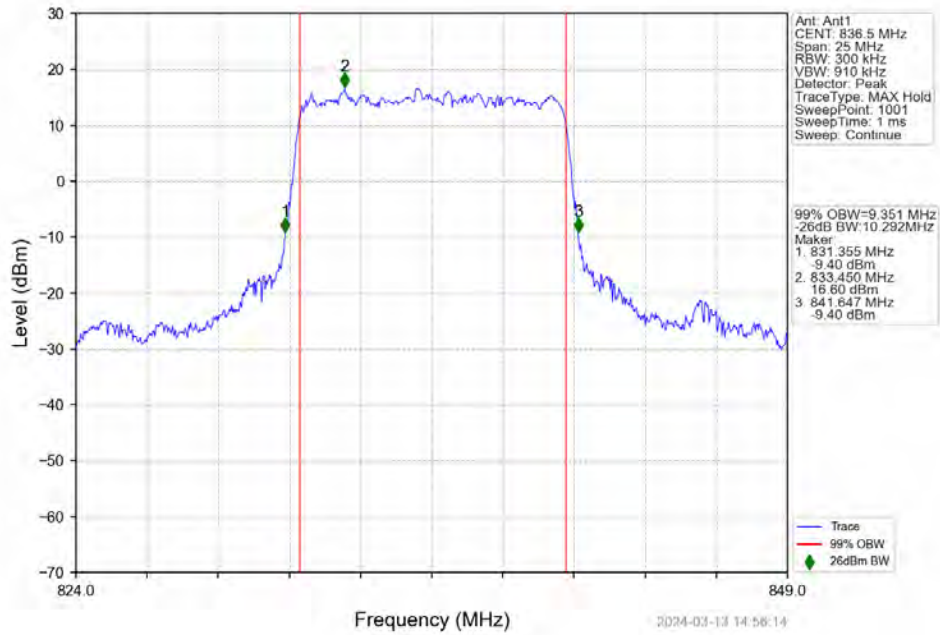
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16QAM_844MHz_Outer_Full



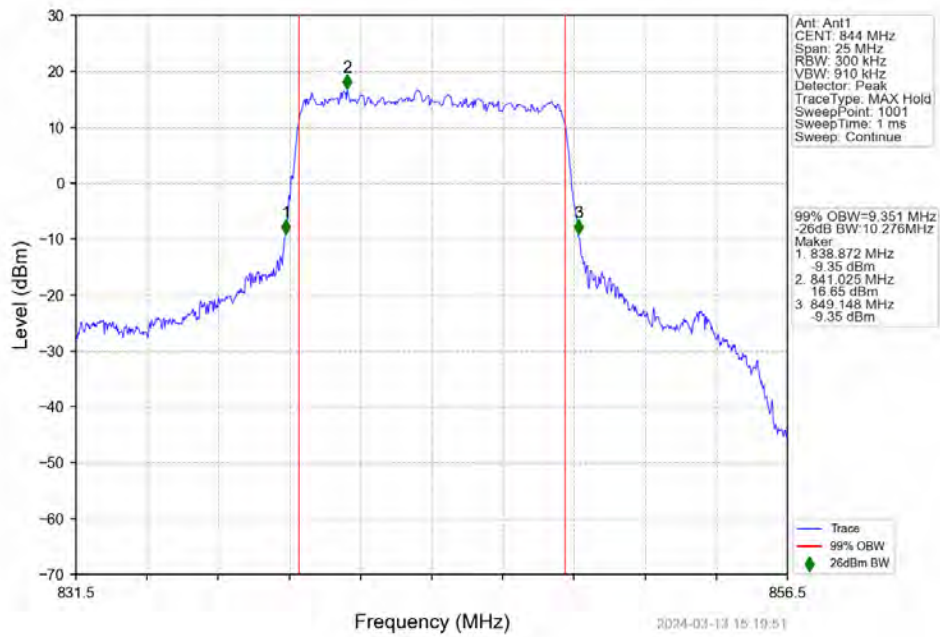
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_64QAM_829MHz_Outer_Full



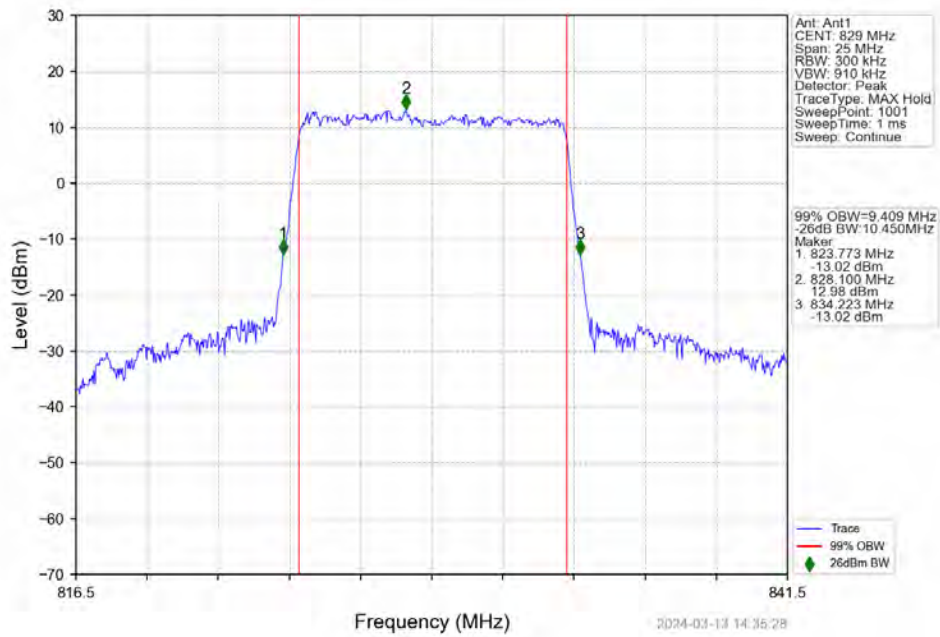
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full



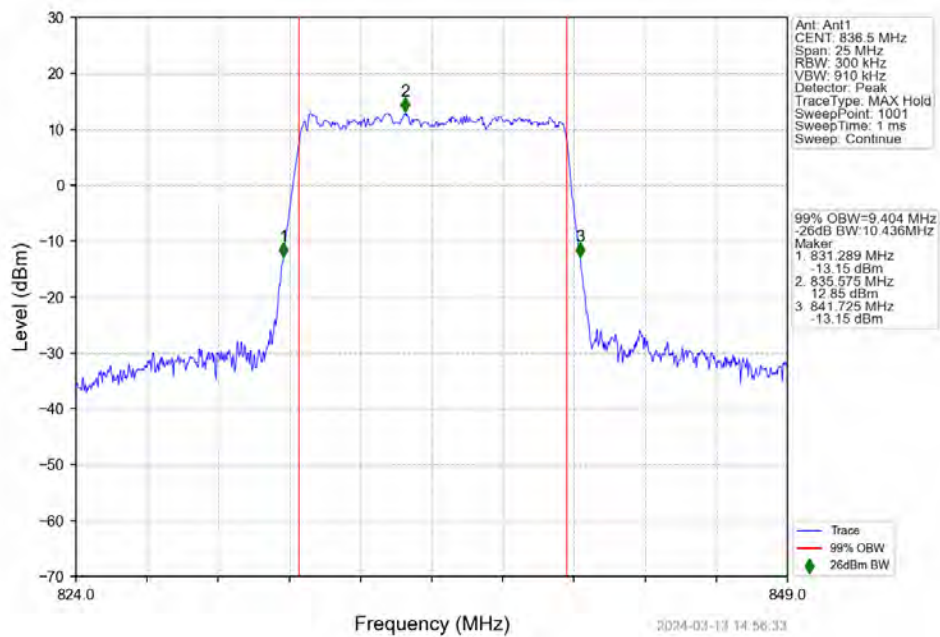
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_844MHz_Outer_Full



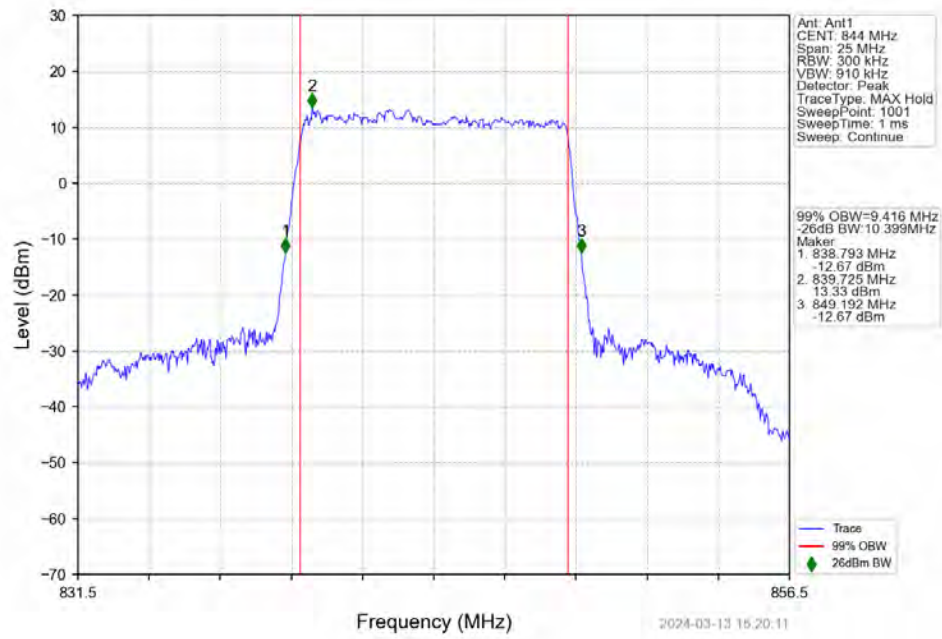
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_829MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full



n5 15kHz SISO NTV 10MHz CP-OFDM 256 QAM 844MHz Outer Full

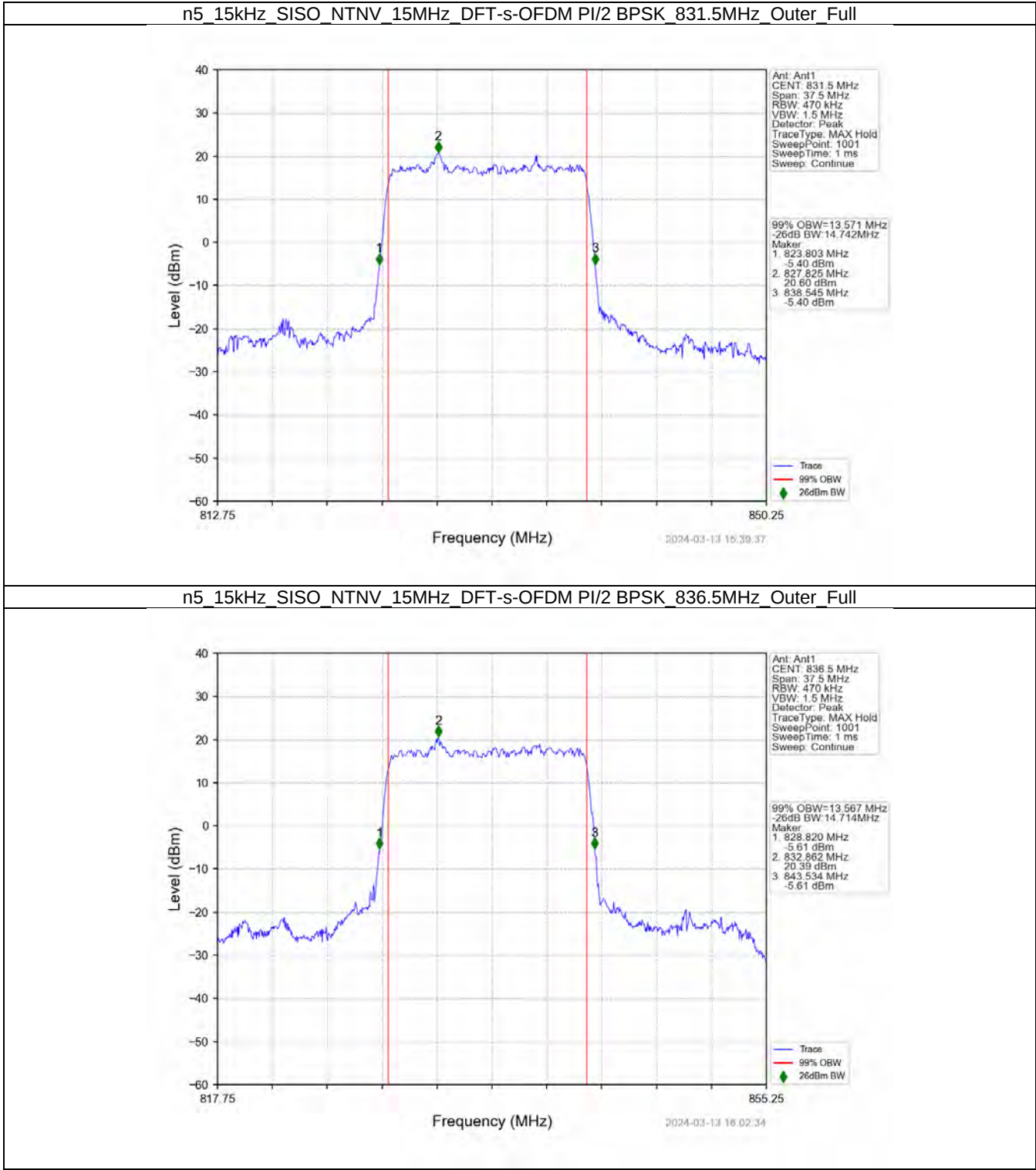


3.3 15k_SISO_15MHz_NTNV

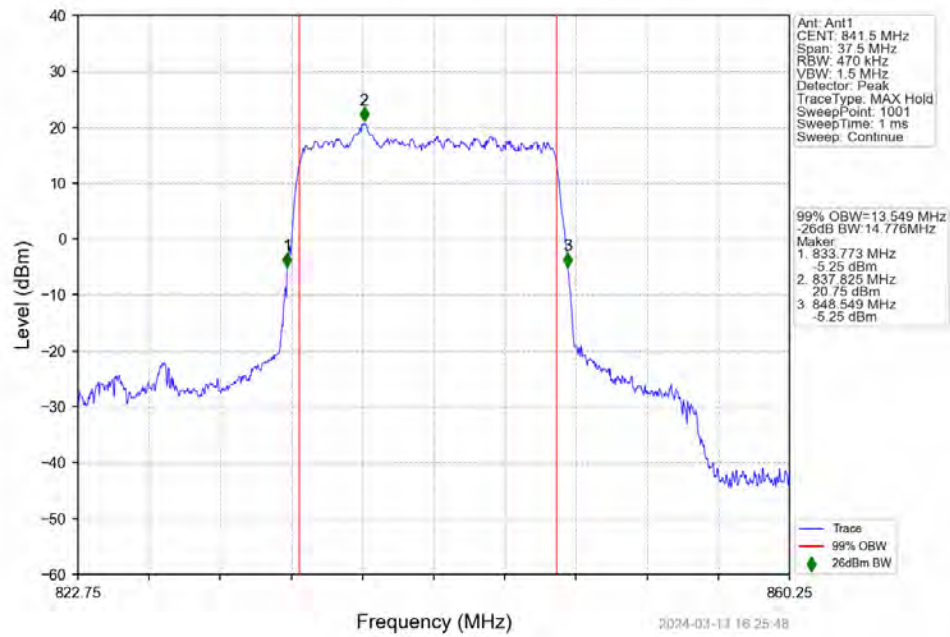
3.3.1 Test Result

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	14.74	/	Pass
	836.5	Outer_Full	13.57	14.71	/	Pass
	841.5	Outer_Full	13.55	14.78	/	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	13.62	14.80	/	Pass
	836.5	Outer_Full	13.59	14.79	/	Pass
	841.5	Outer_Full	13.57	14.70	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.65	14.97	/	Pass
	836.5	Outer_Full	13.64	14.90	/	Pass
	841.5	Outer_Full	13.61	14.86	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.54	14.76	/	Pass
	836.5	Outer_Full	13.54	14.78	/	Pass
	841.5	Outer_Full	13.52	14.86	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.59	14.79	/	Pass
	836.5	Outer_Full	13.59	14.82	/	Pass
	841.5	Outer_Full	13.57	14.88	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	14.27	15.61	/	Pass
	836.5	Outer_Full	14.25	15.48	/	Pass
	841.5	Outer_Full	14.22	15.46	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.30	15.55	/	Pass
	836.5	Outer_Full	14.29	15.58	/	Pass
	841.5	Outer_Full	14.25	15.50	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.31	15.53	/	Pass
	836.5	Outer_Full	14.30	15.51	/	Pass
	841.5	Outer_Full	14.28	15.56	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	14.28	15.61	/	Pass
	836.5	Outer_Full	14.22	15.52	/	Pass
	841.5	Outer_Full	14.24	15.49	/	Pass

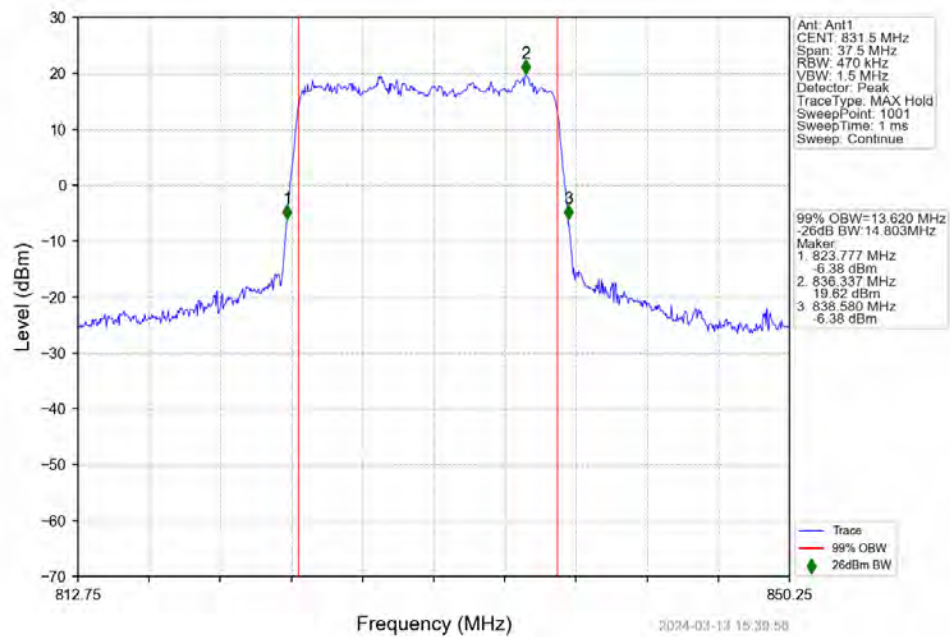
3.3.2 Test Graph



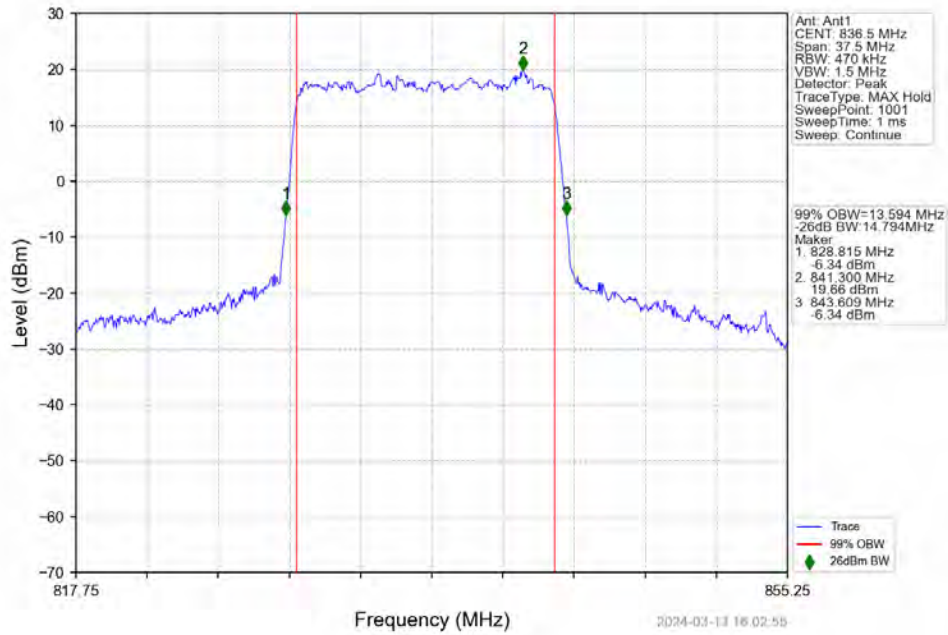
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_841.5MHz_Outer_Full



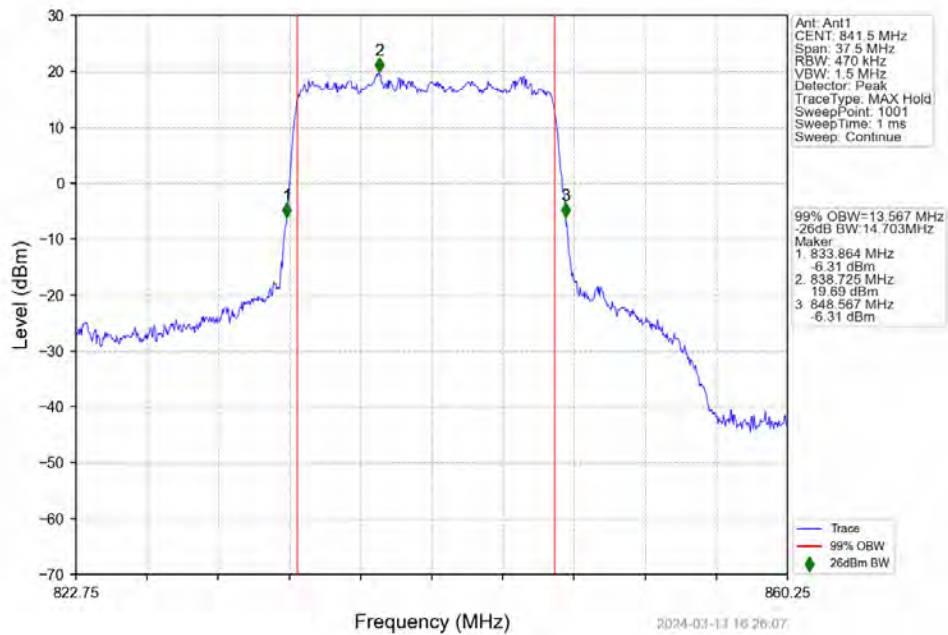
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_831.5MHz_Outer_Full



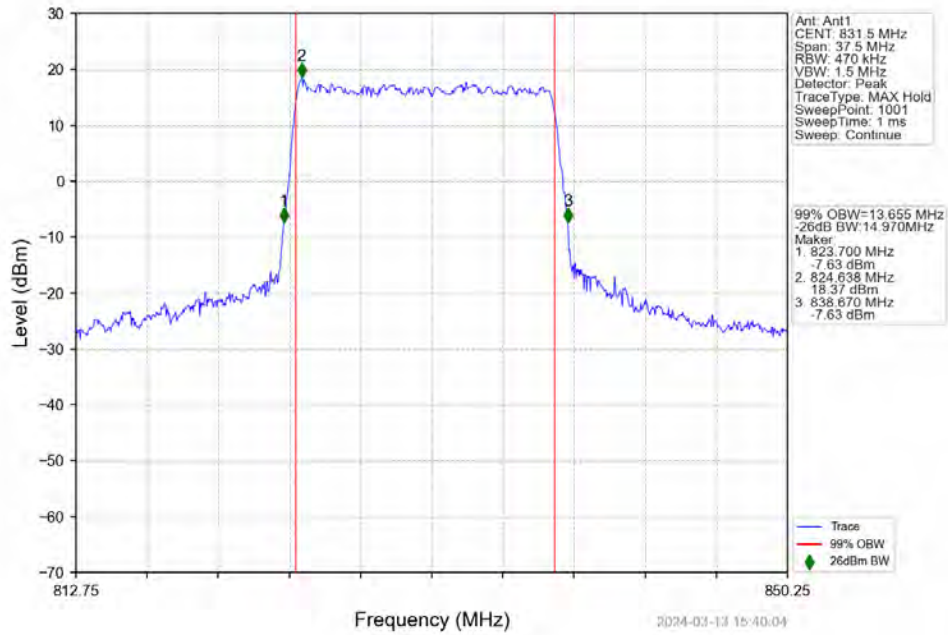
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_836.5MHz_Outer_Full



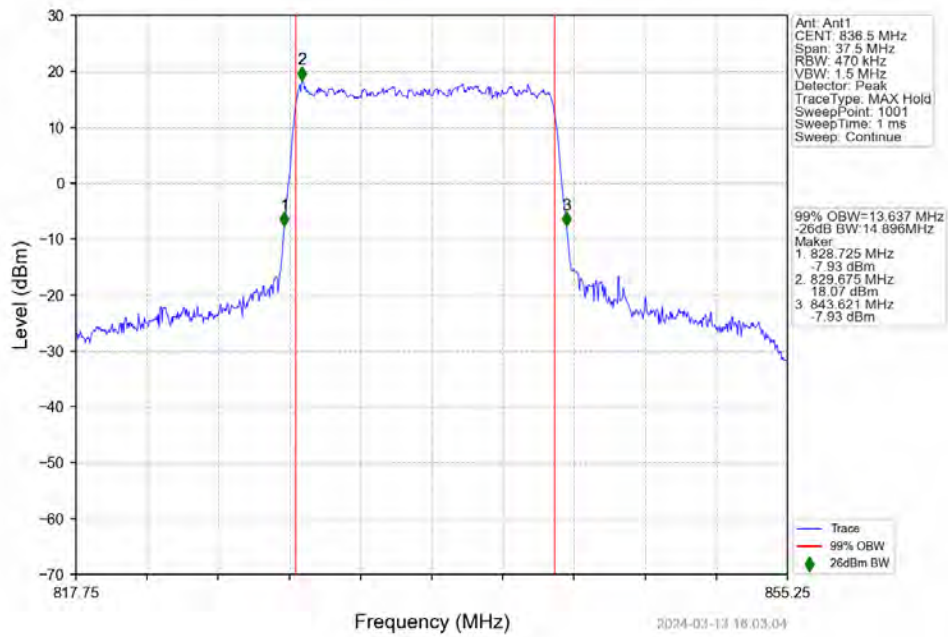
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_841.5MHz_Outer_Full



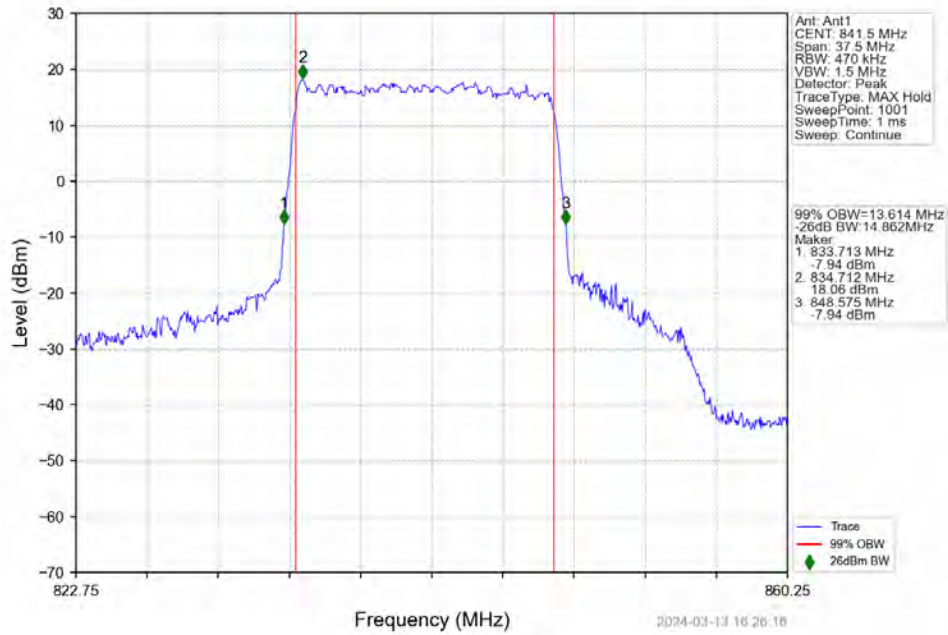
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full



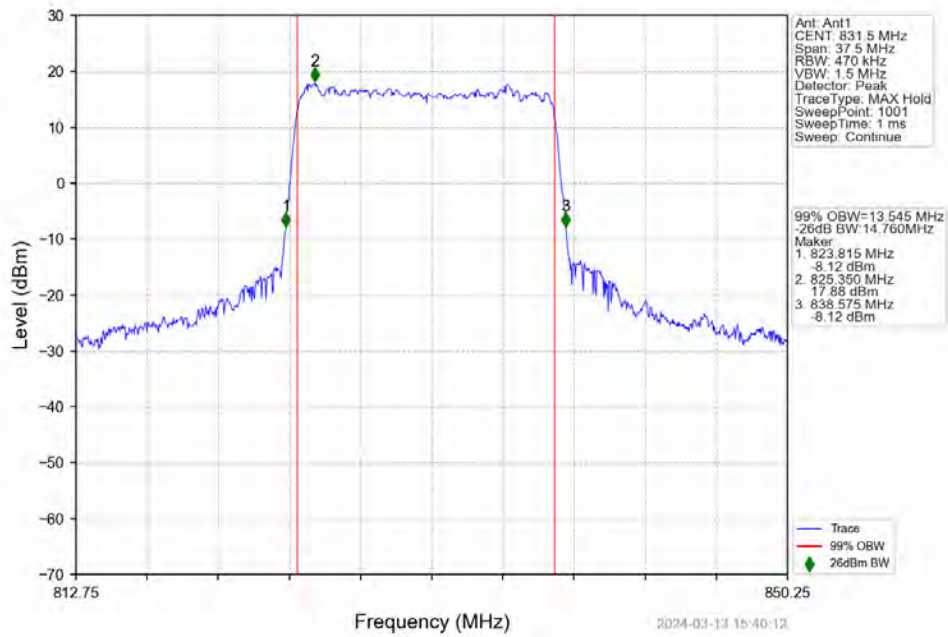
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



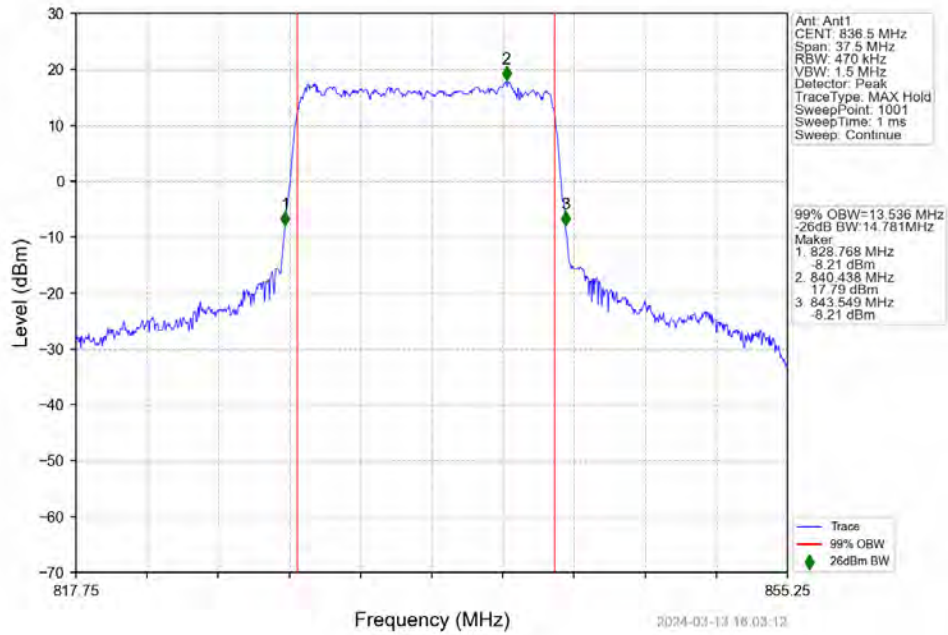
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full



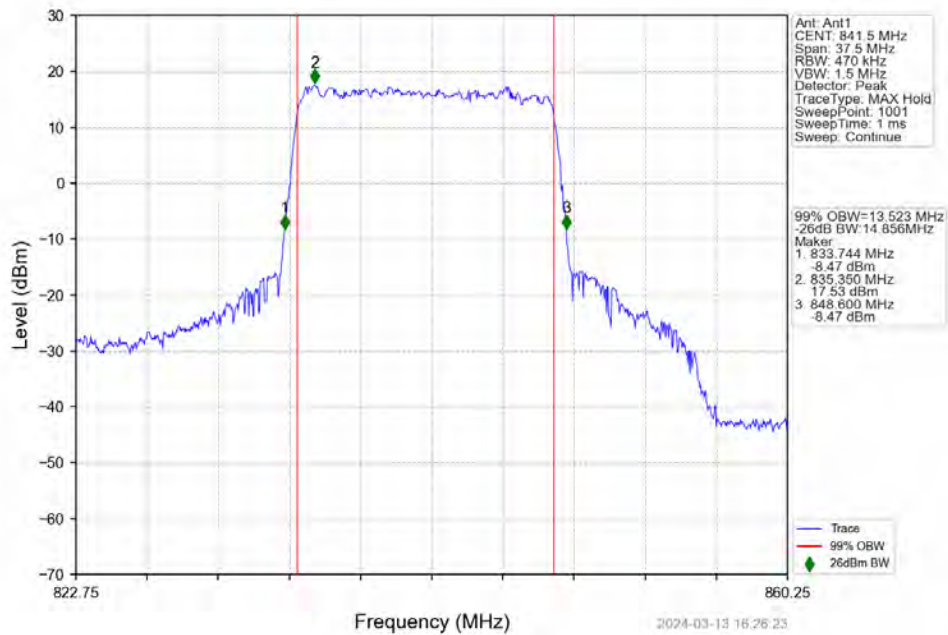
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full



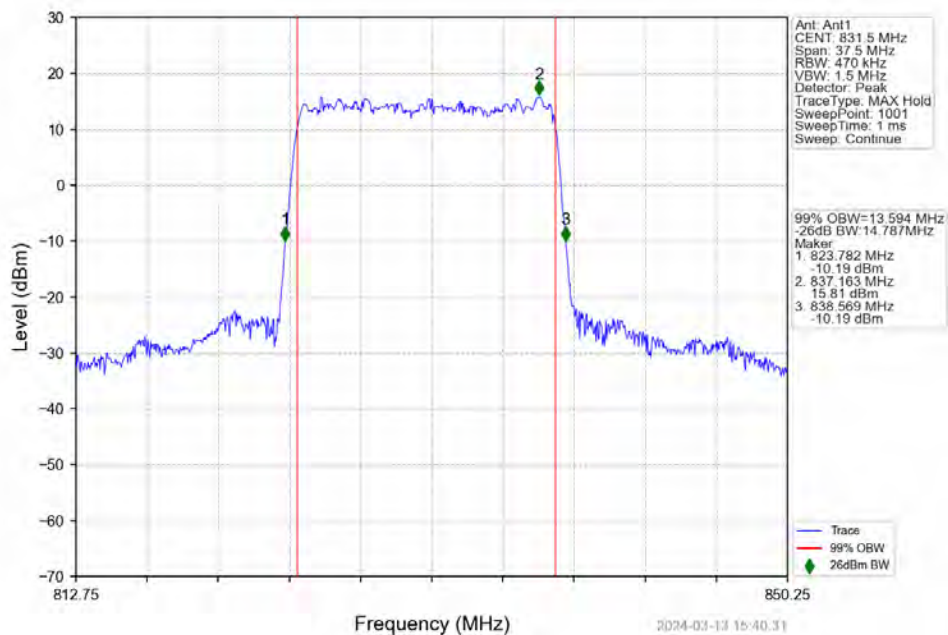
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



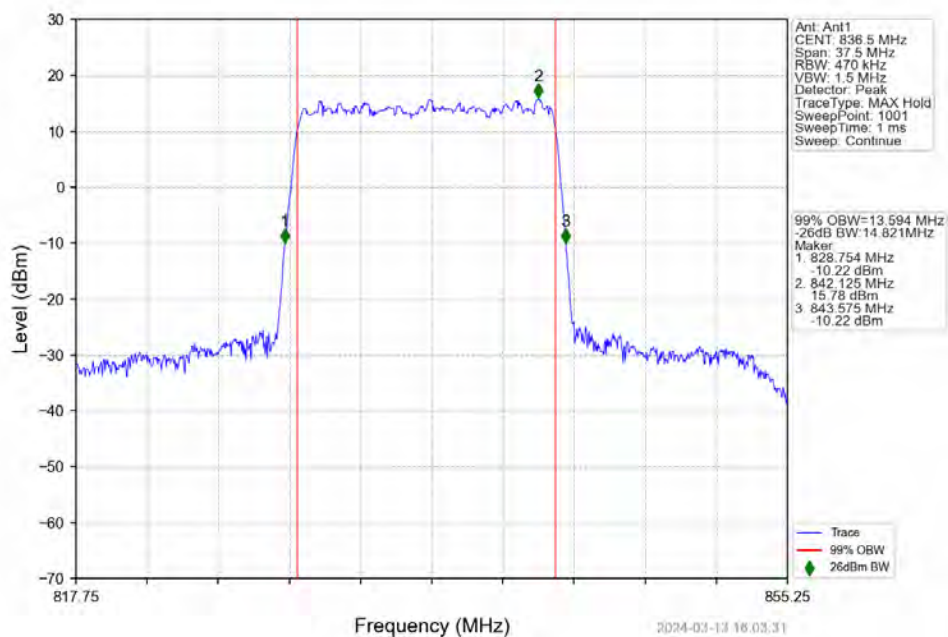
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 841.5MHz Outer Full



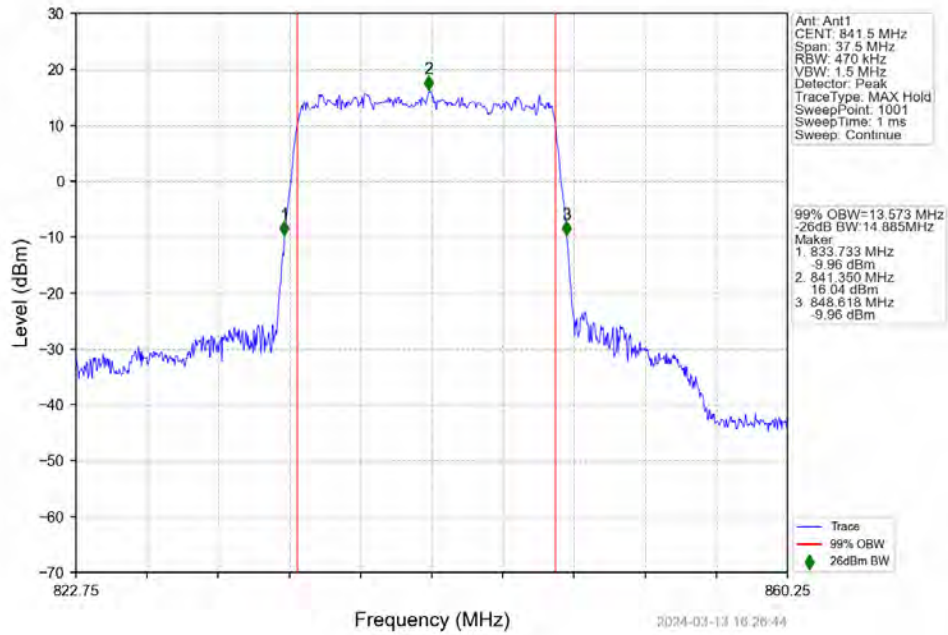
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_831.5MHz_Outer_Full



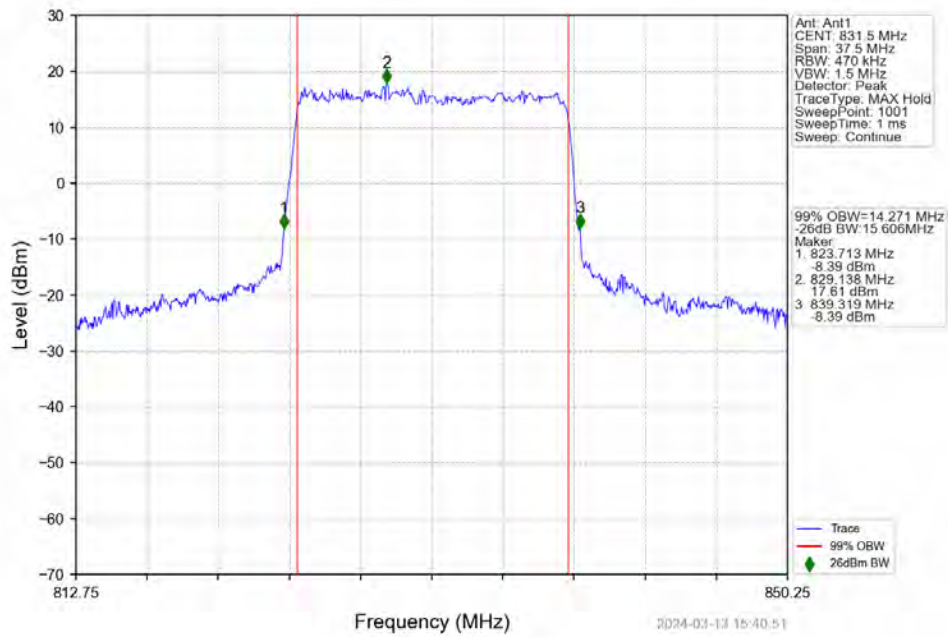
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full



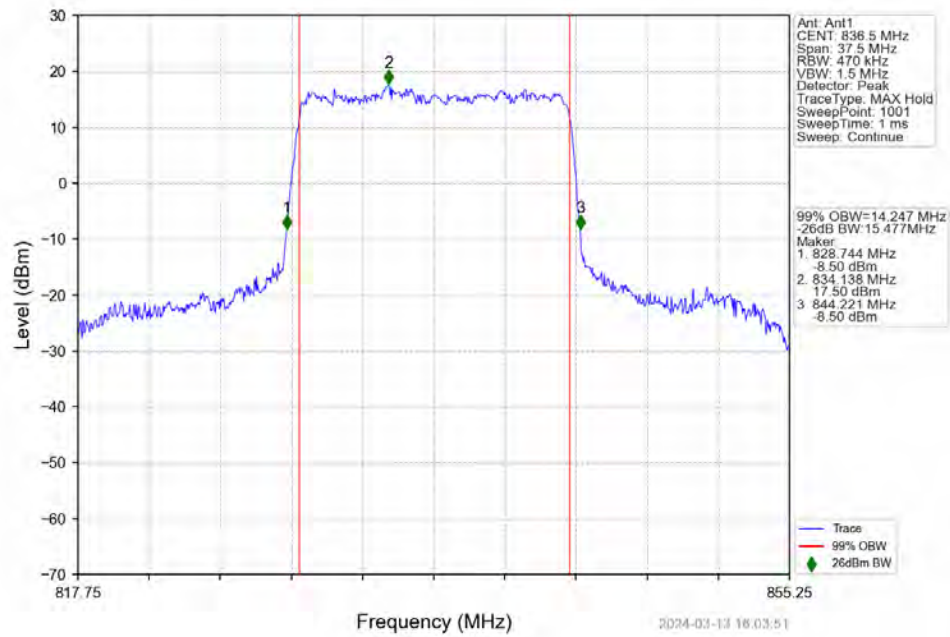
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_841.5MHz_Outer_Full



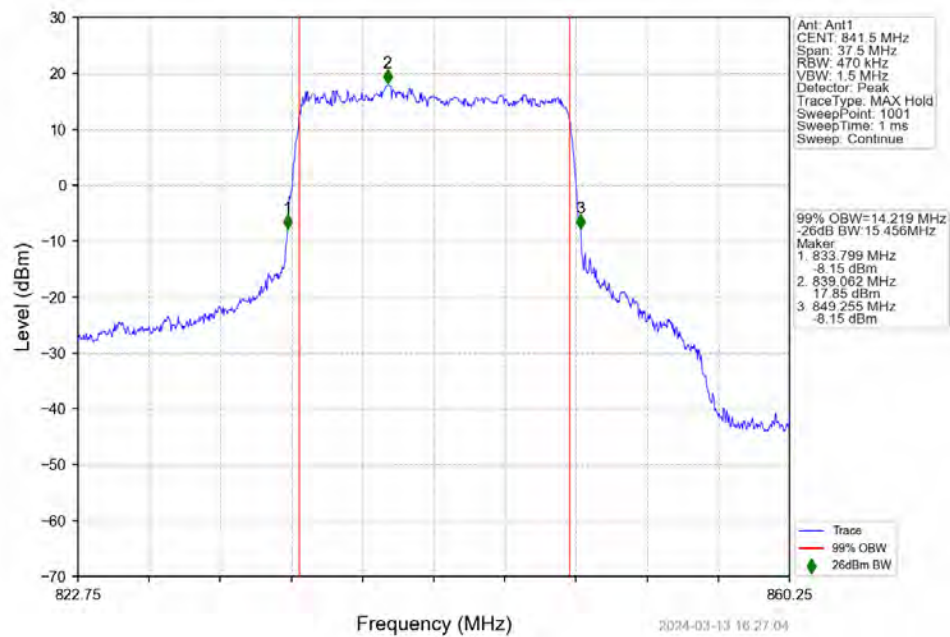
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_831.5MHz_Outer_Full



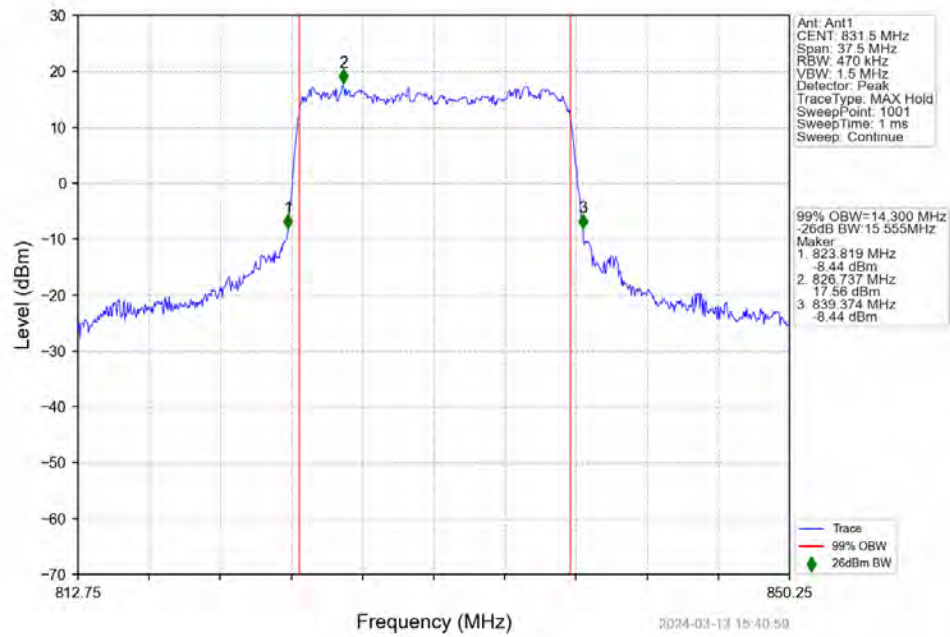
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full



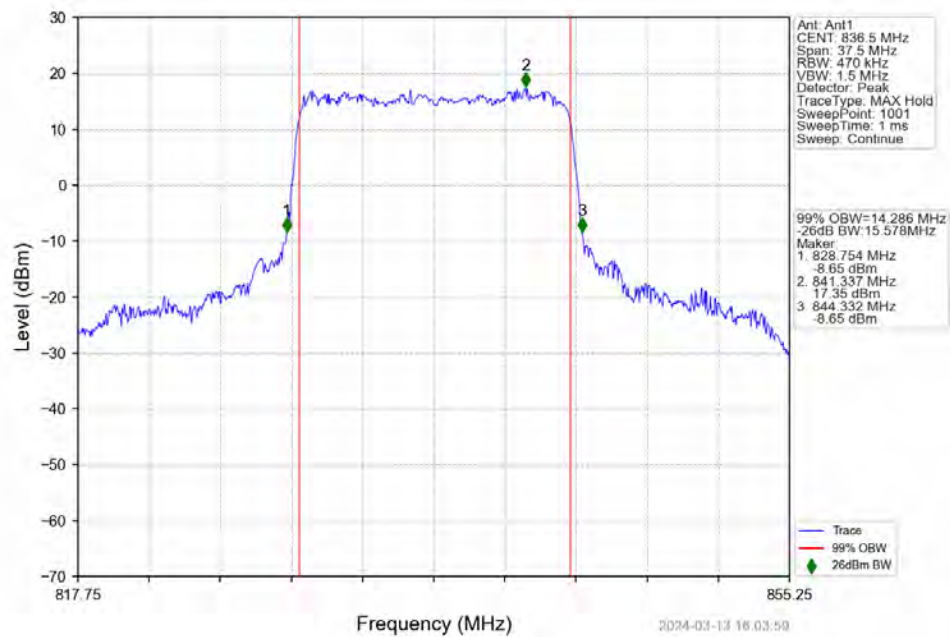
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_841.5MHz_Outer_Full



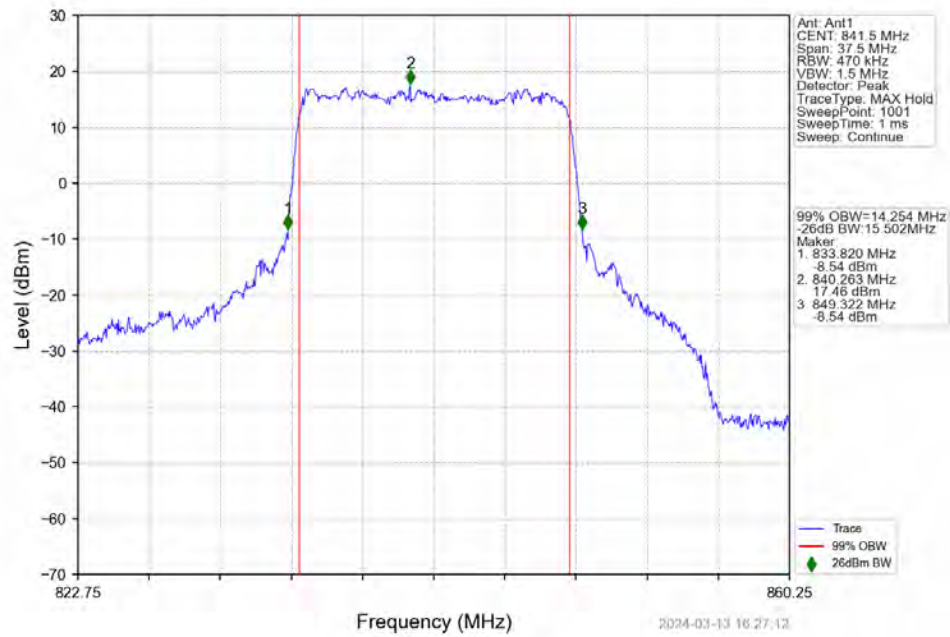
n5 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full



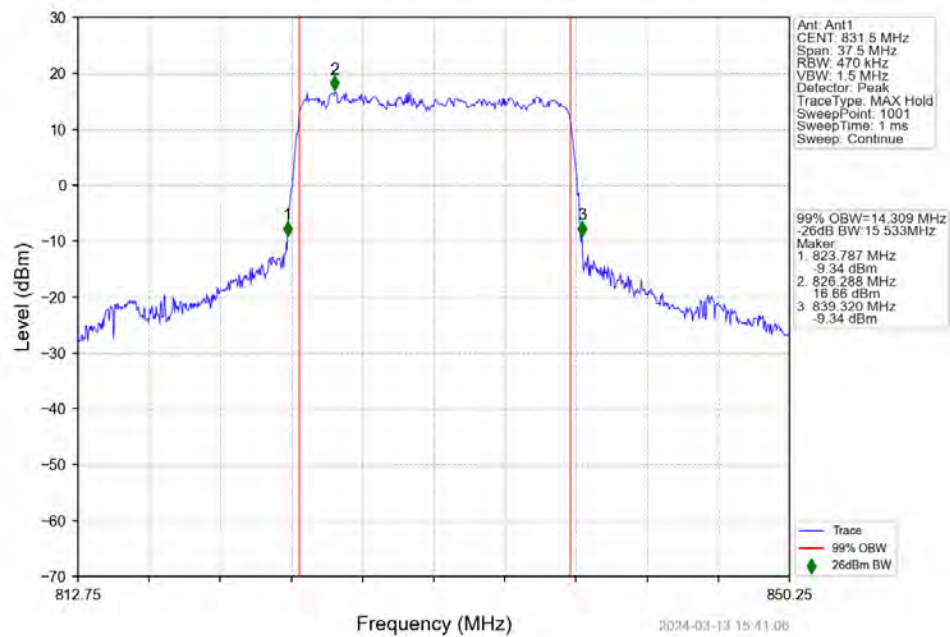
n5 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 836.5MHz Outer Full



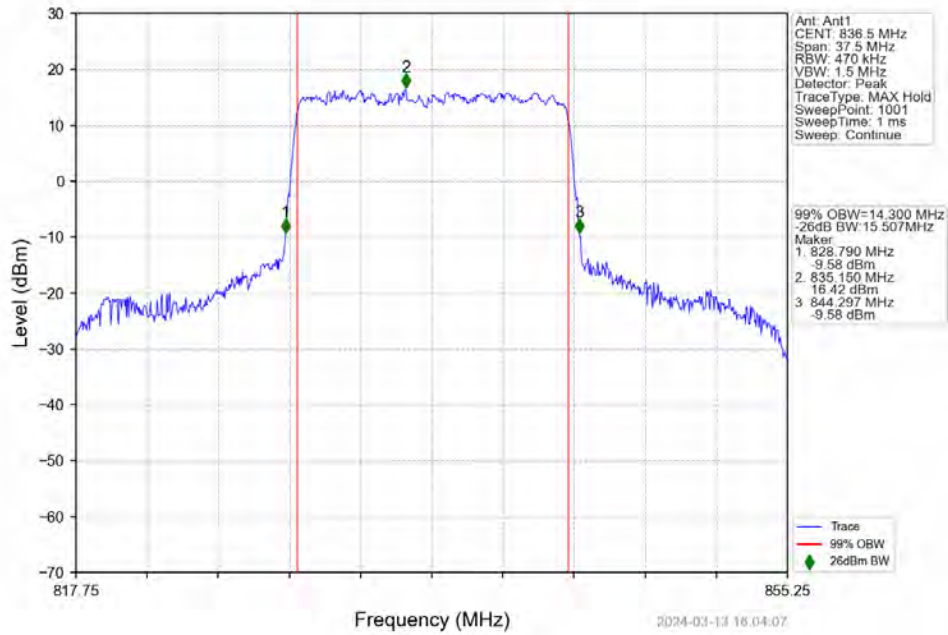
n5 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full



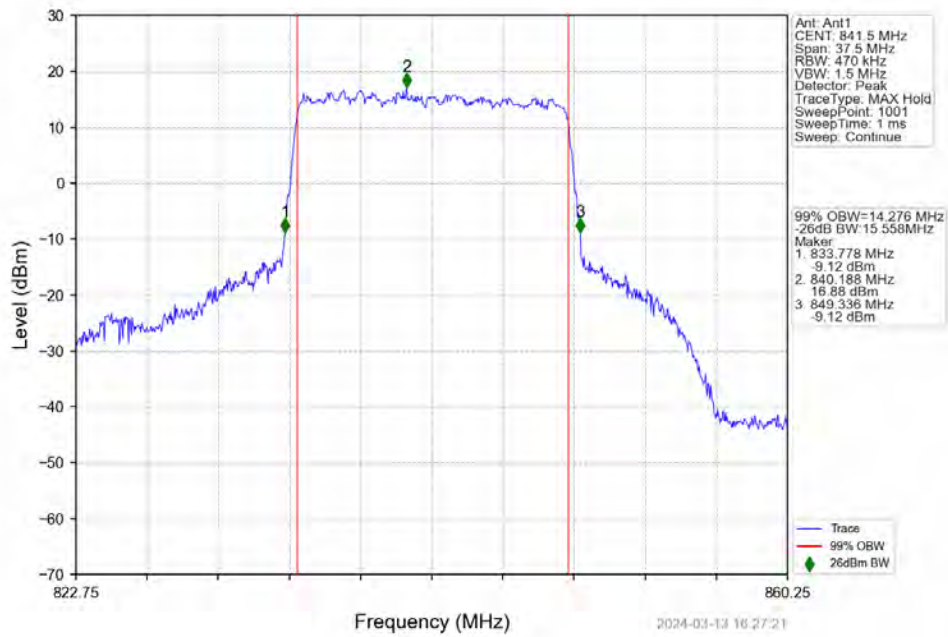
n5 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 831.5MHz Outer Full



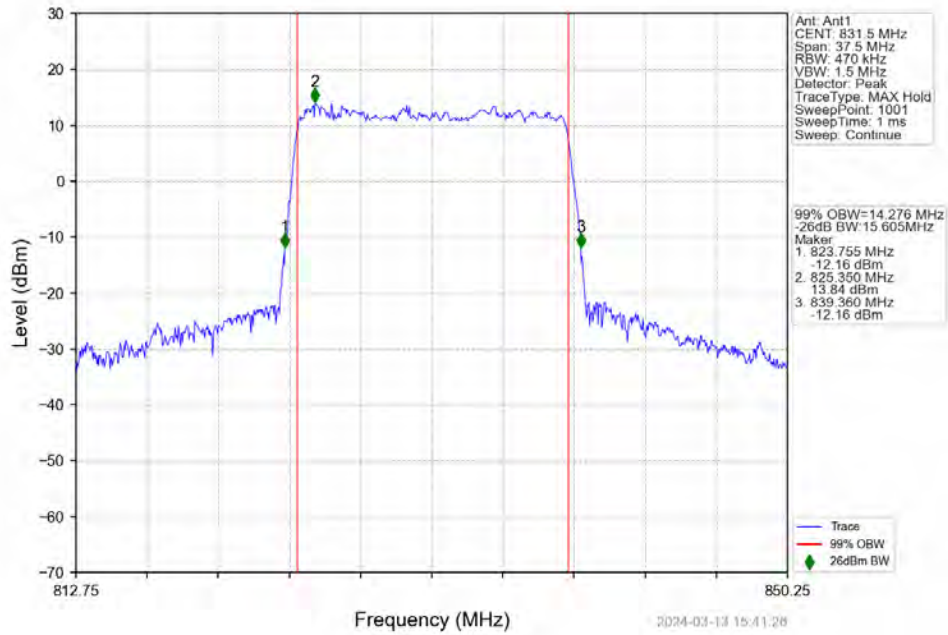
n5 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 836.5MHz Outer Full



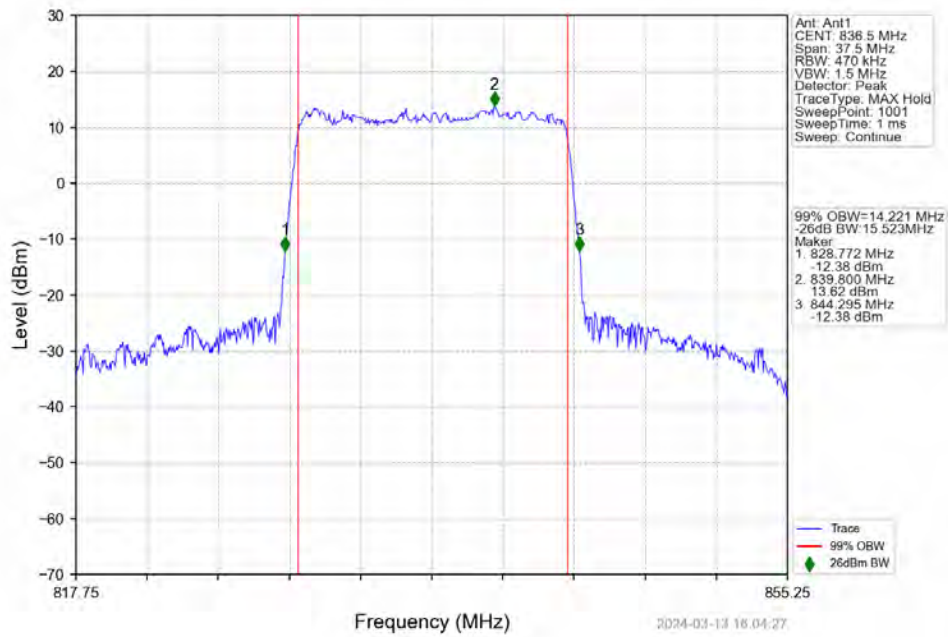
n5 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 841.5MHz Outer Full

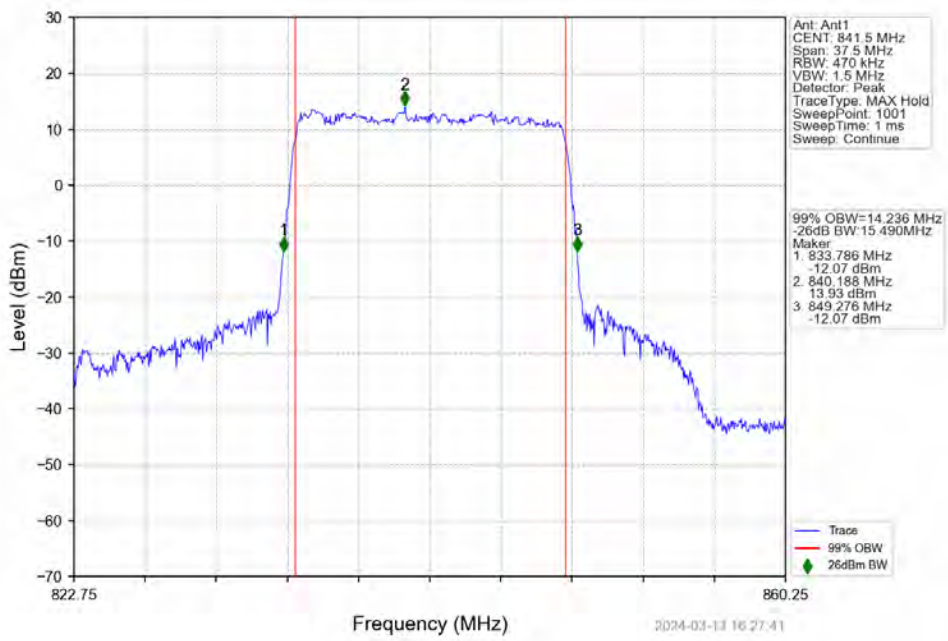


n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_831.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full



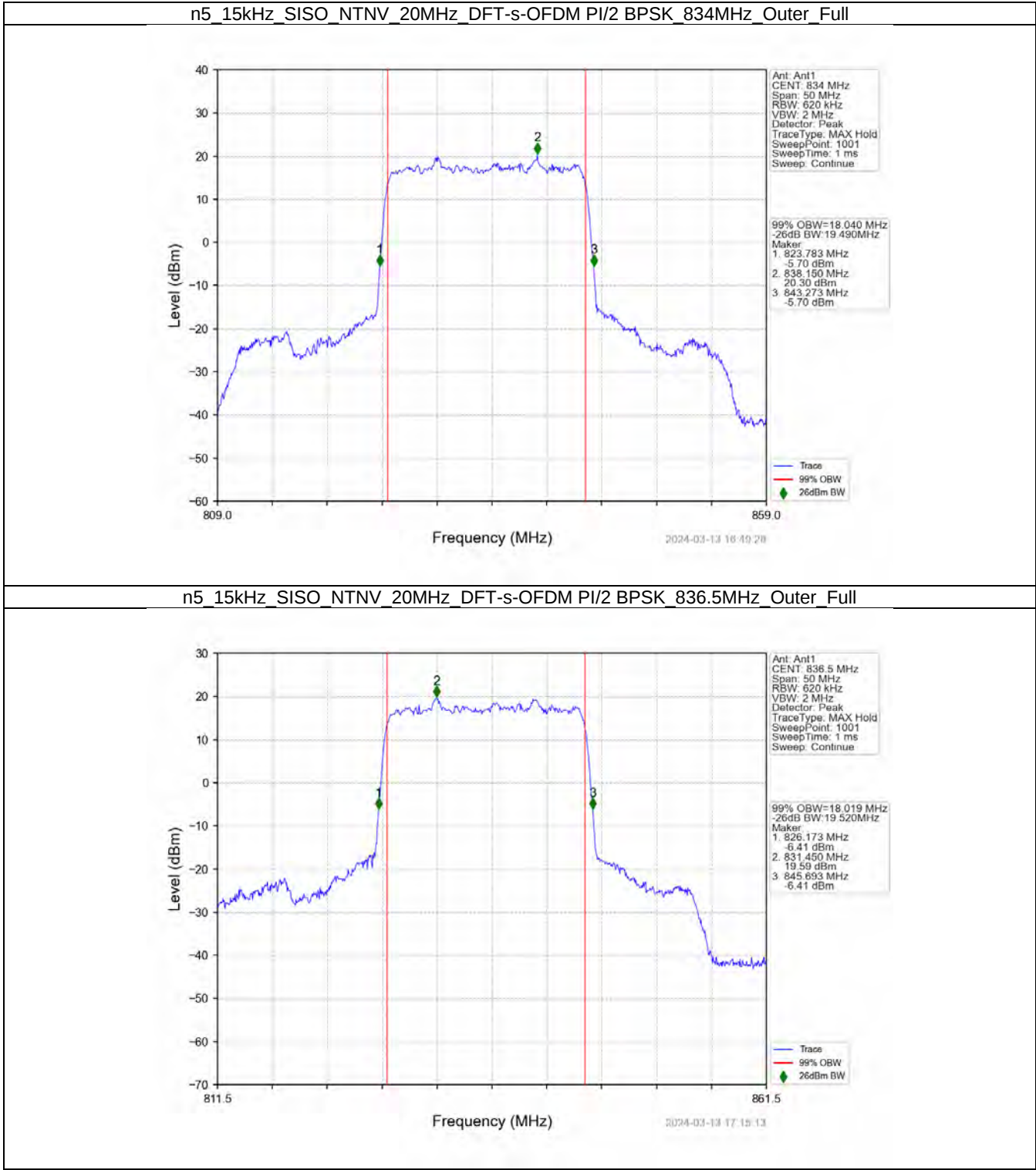


3.4 15k_SISO_20MHz_NTNV

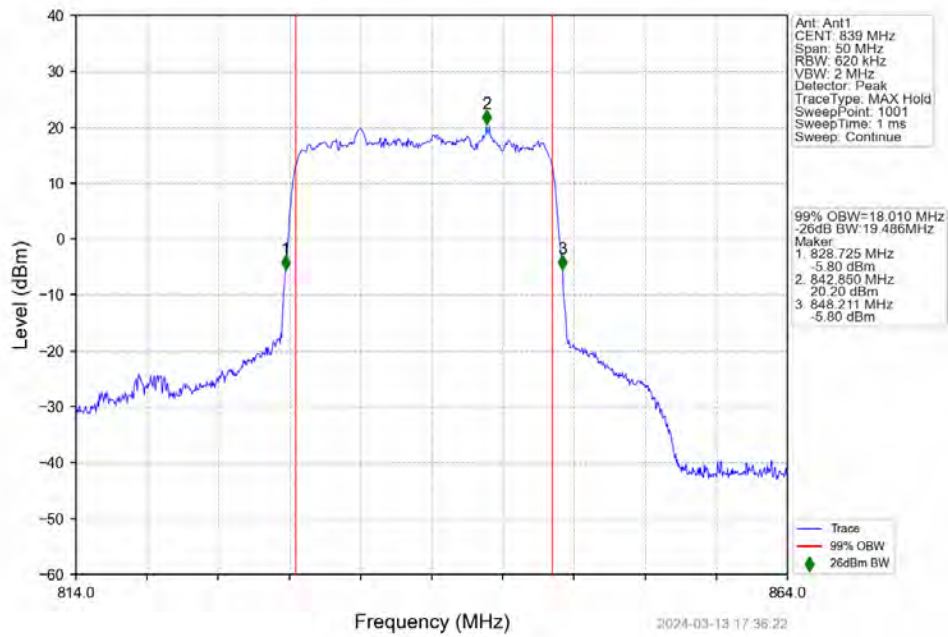
3.4.1 Test Result

5G NR n5 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	18.04	19.49	/	Pass
	836.5	Outer_Full	18.02	19.52	/	Pass
	839	Outer_Full	18.01	19.49	/	Pass
DFT-s-OFDM QPSK	834	Outer_Full	18.00	19.64	/	Pass
	836.5	Outer_Full	18.00	19.55	/	Pass
	839	Outer_Full	17.99	19.62	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.02	19.52	/	Pass
	836.5	Outer_Full	17.98	19.43	/	Pass
	839	Outer_Full	17.96	19.45	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.04	19.60	/	Pass
	836.5	Outer_Full	18.00	19.53	/	Pass
	839	Outer_Full	17.98	19.47	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.03	19.50	/	Pass
	836.5	Outer_Full	18.00	19.36	/	Pass
	839	Outer_Full	18.01	19.39	/	Pass
CP-OFDM QPSK	834	Outer_Full	19.08	20.57	/	Pass
	836.5	Outer_Full	19.02	20.63	/	Pass
	839	Outer_Full	19.05	20.61	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	19.10	20.60	/	Pass
	836.5	Outer_Full	19.08	20.67	/	Pass
	839	Outer_Full	19.09	20.58	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	19.09	20.49	/	Pass
	836.5	Outer_Full	19.06	20.52	/	Pass
	839	Outer_Full	19.07	20.60	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	19.17	20.70	/	Pass
	836.5	Outer_Full	19.13	20.59	/	Pass
	839	Outer_Full	19.11	20.58	/	Pass

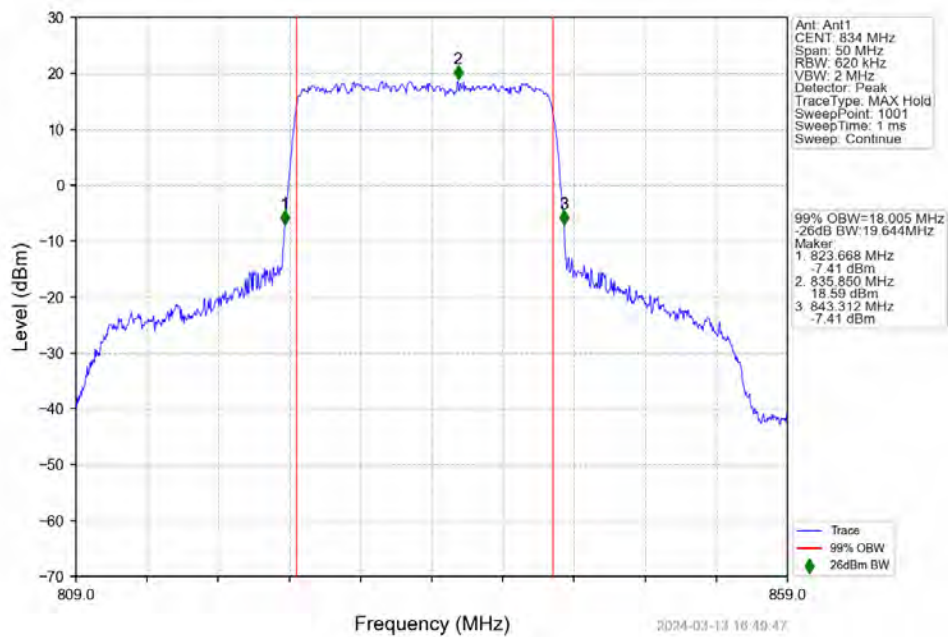
3.4.2 Test Graph



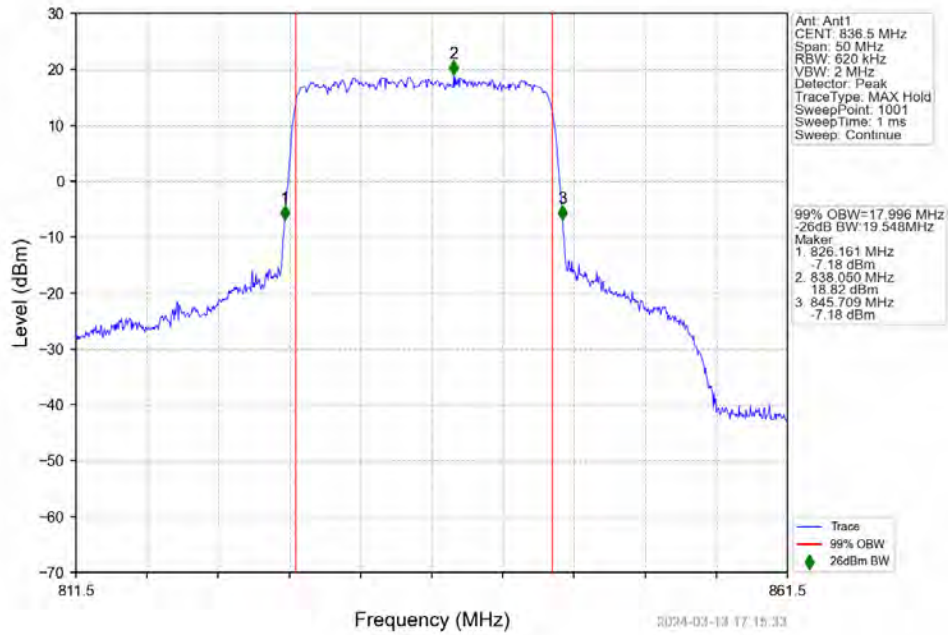
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 839MHz Outer Full



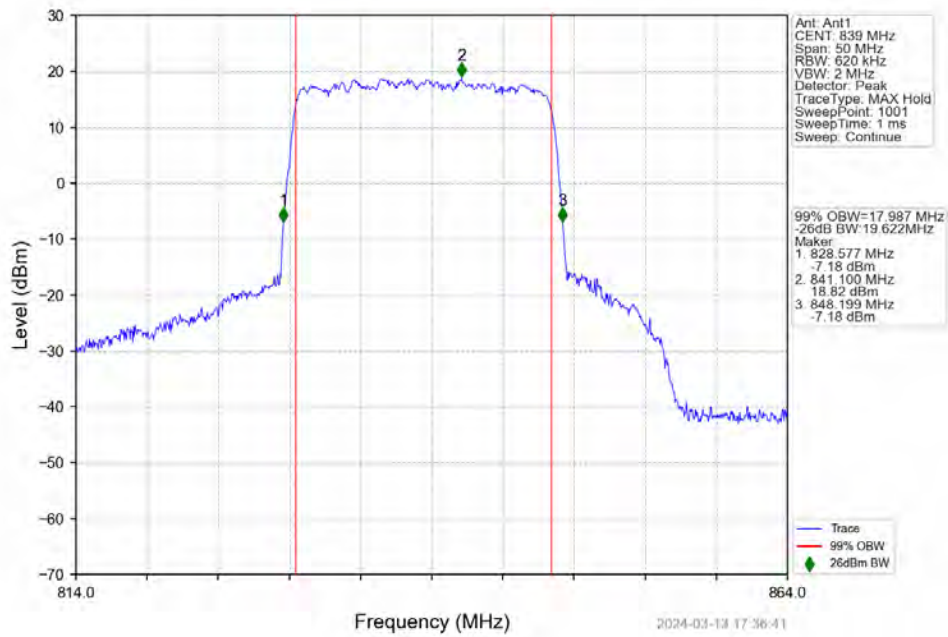
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 834MHz Outer Full



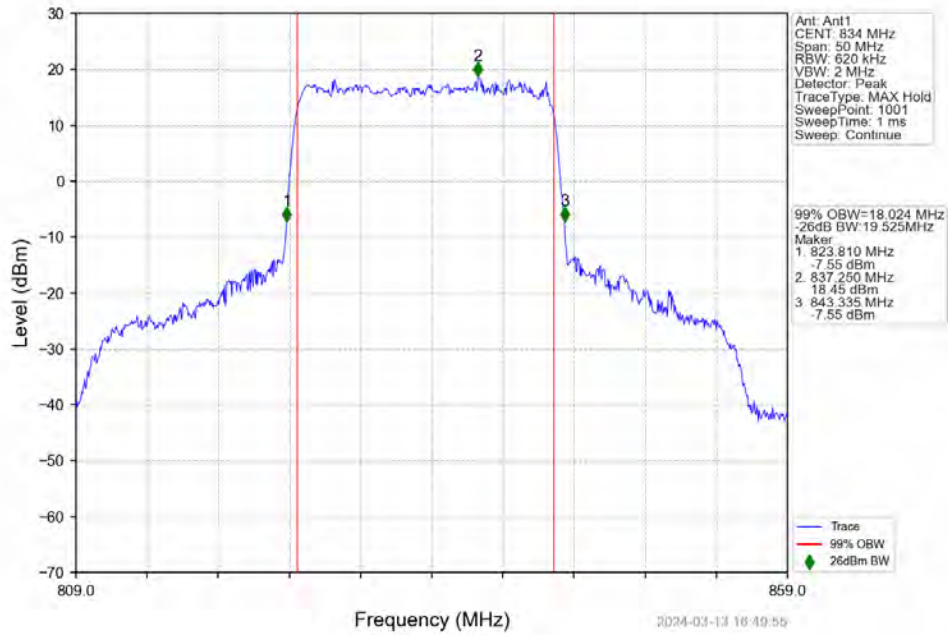
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_836.5MHz_Outer_Full



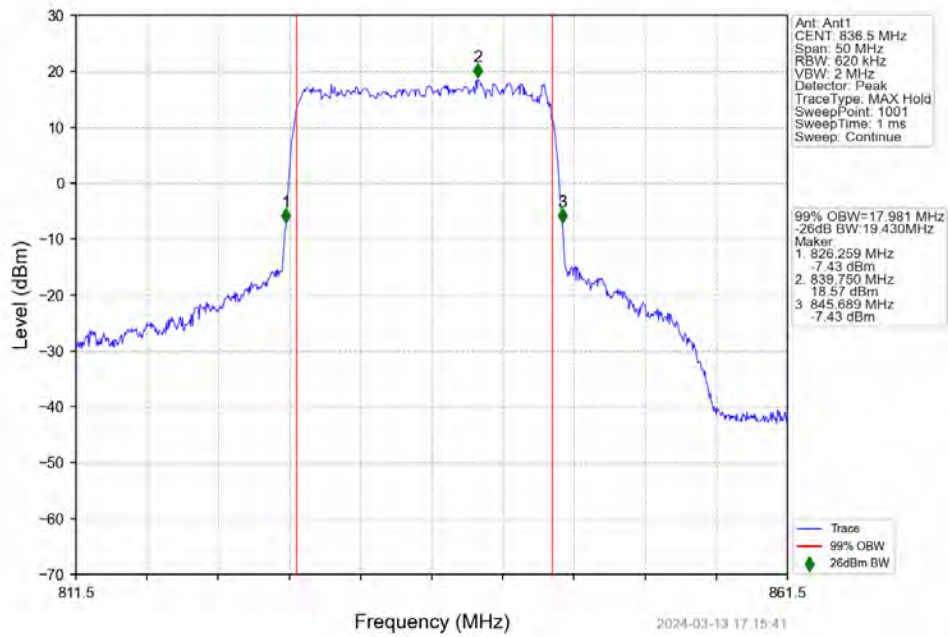
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_839MHz_Outer_Full



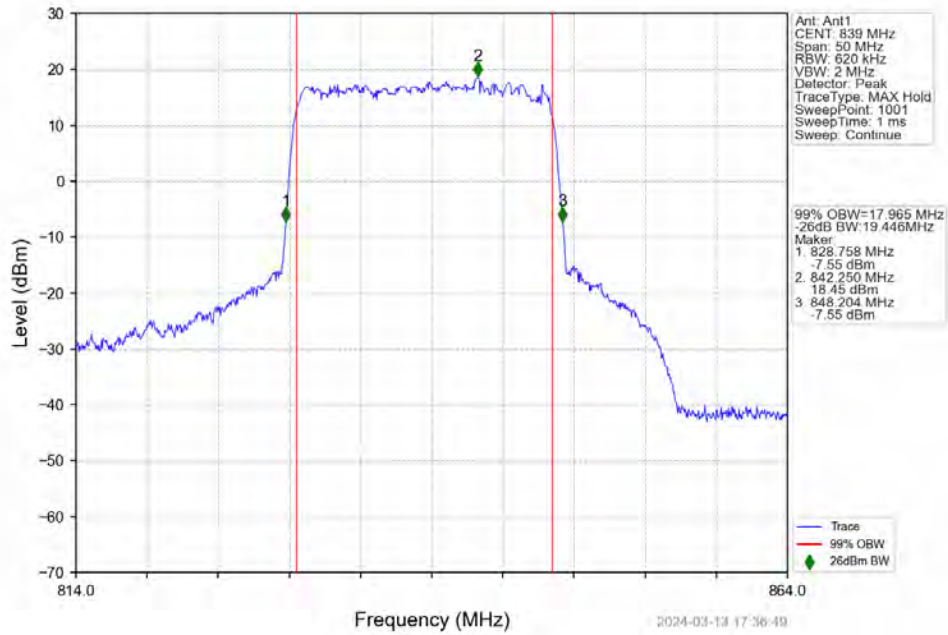
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 834MHz Outer Full



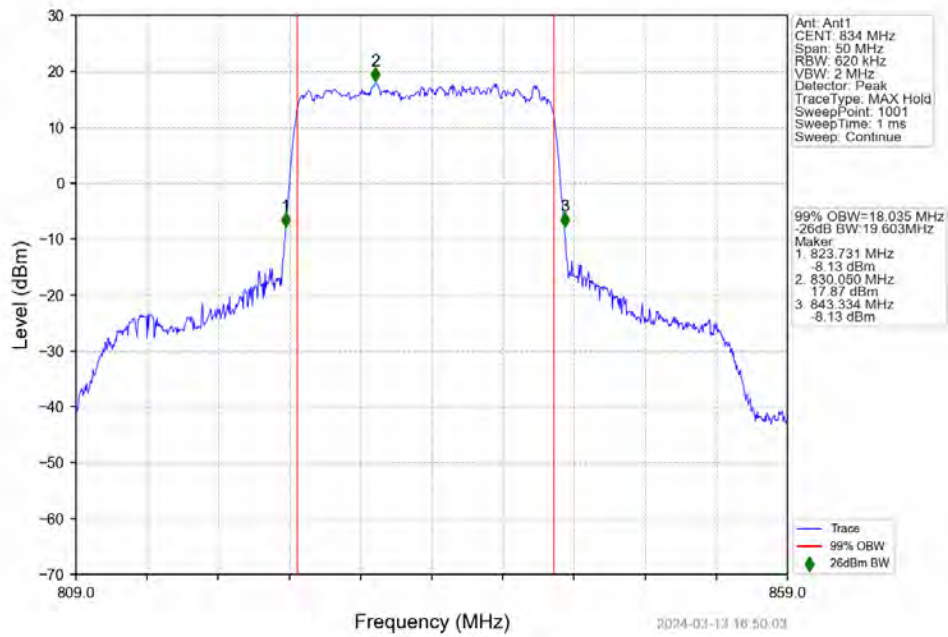
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



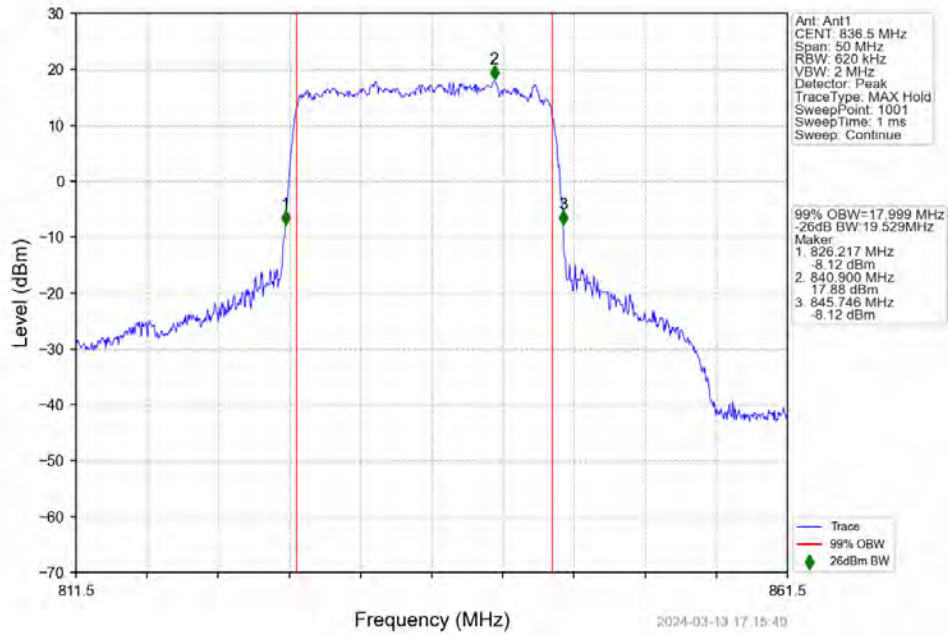
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_839MHz_Outer_Full



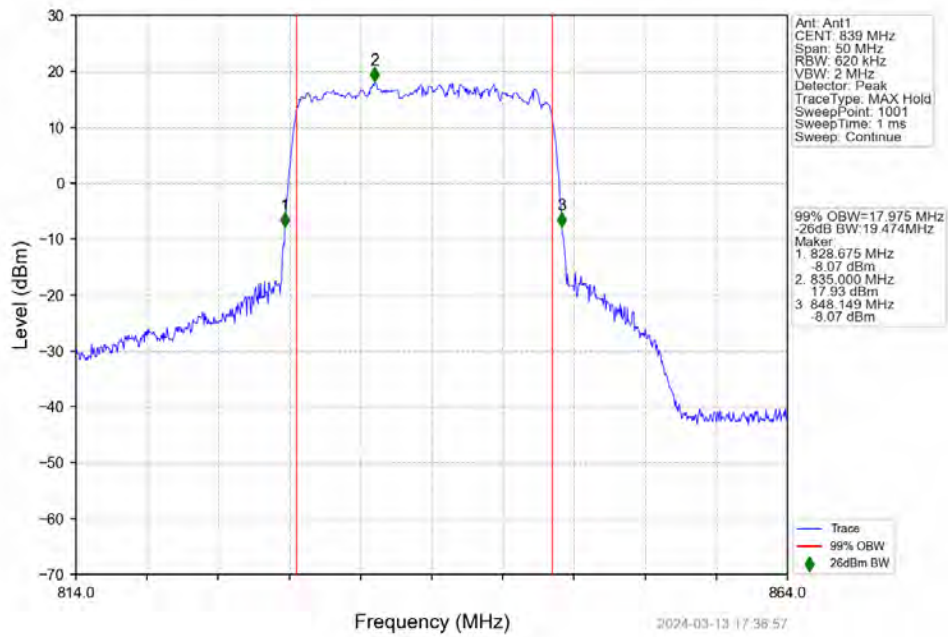
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_834MHz_Outer_Full



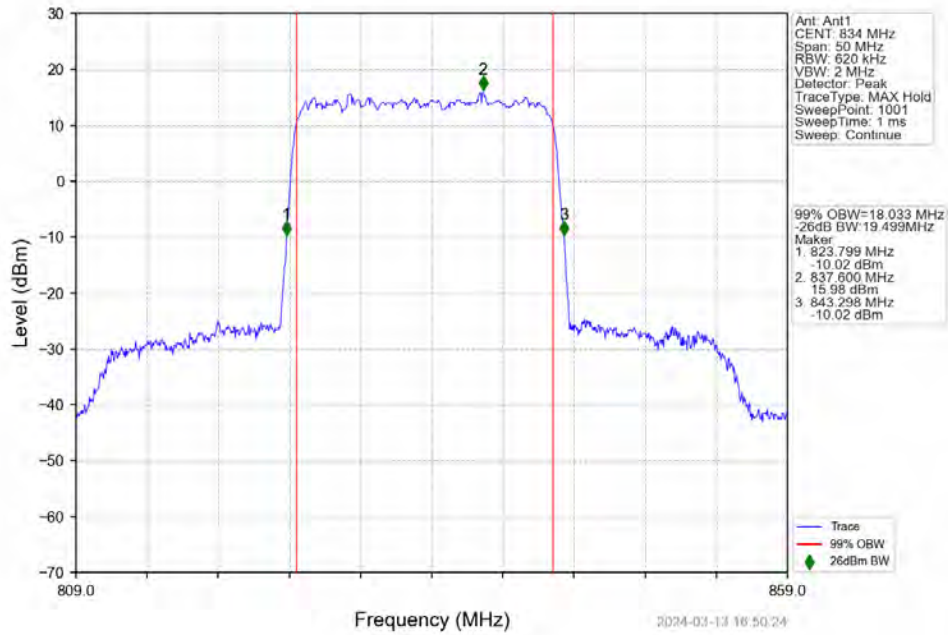
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



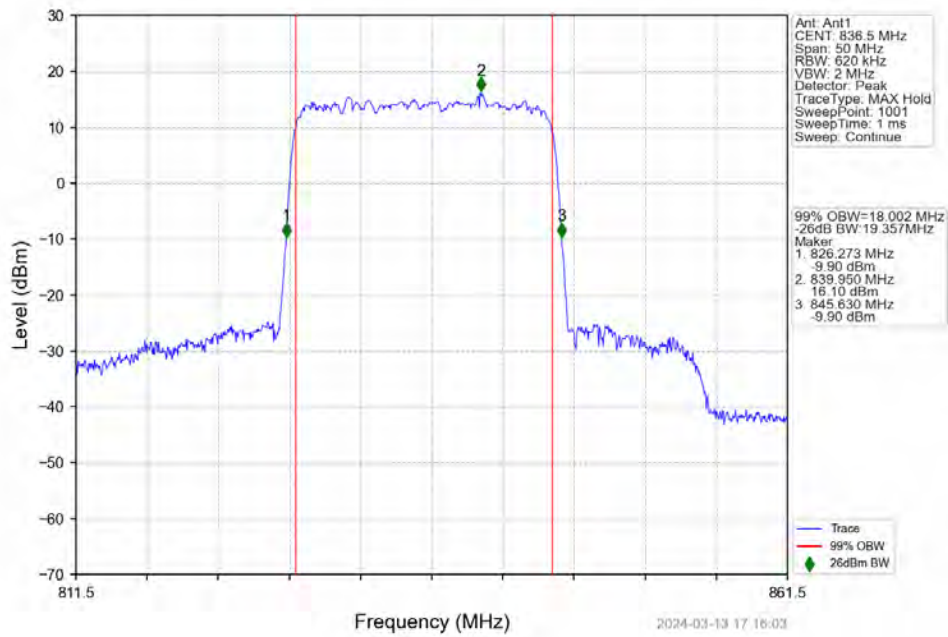
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 839MHz Outer Full



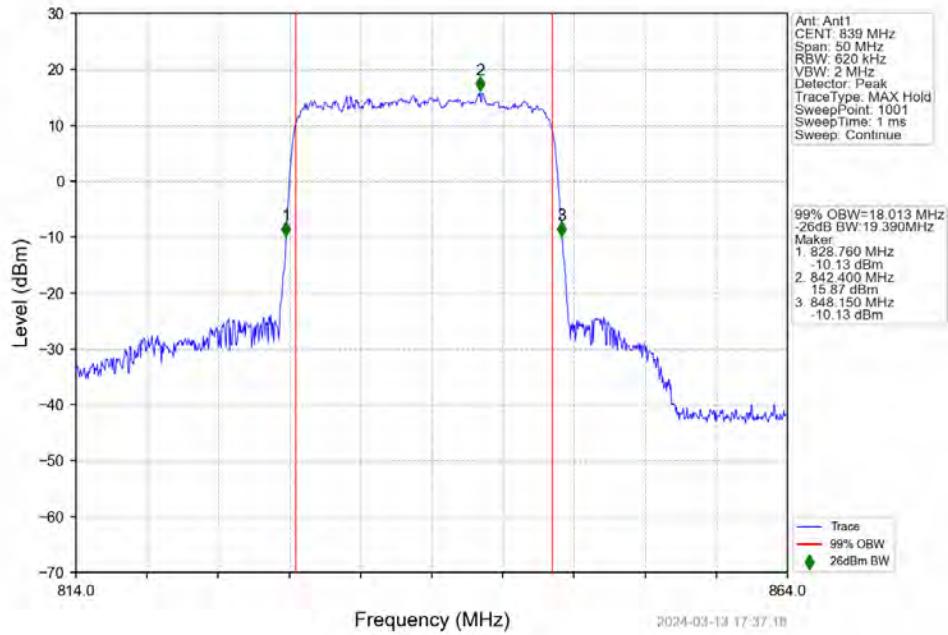
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 834MHz Outer Full



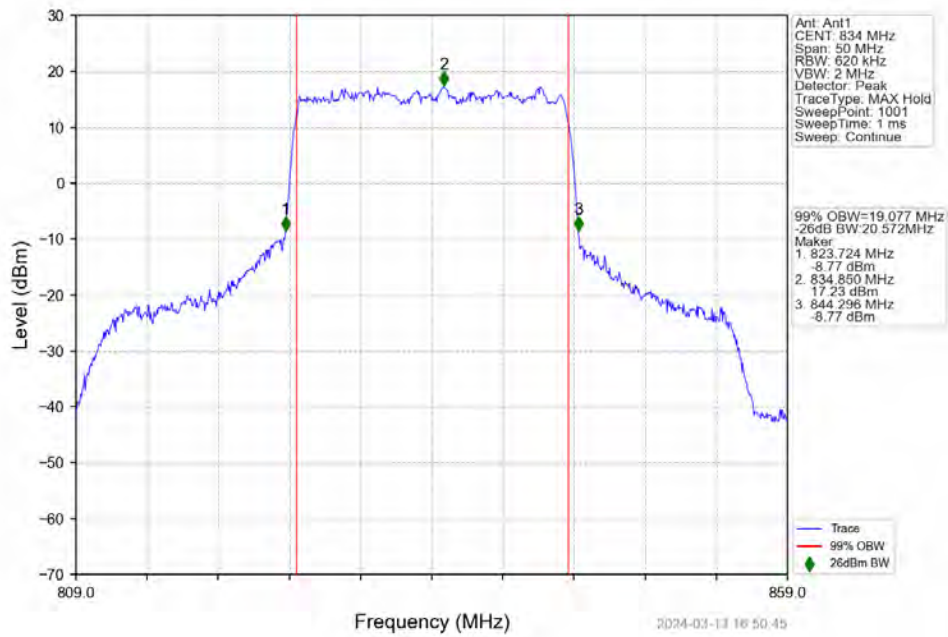
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



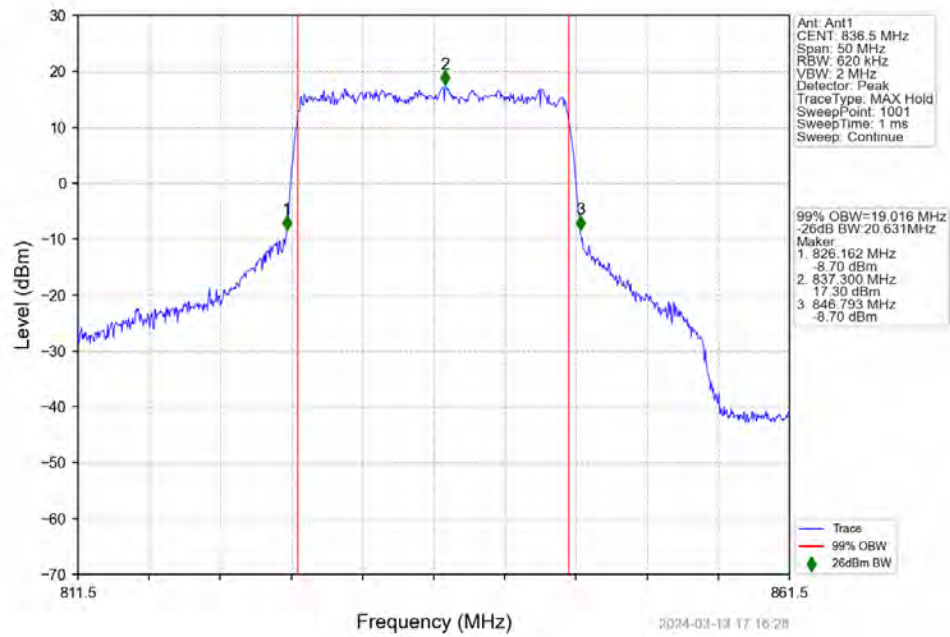
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_839MHz_Outer_Full



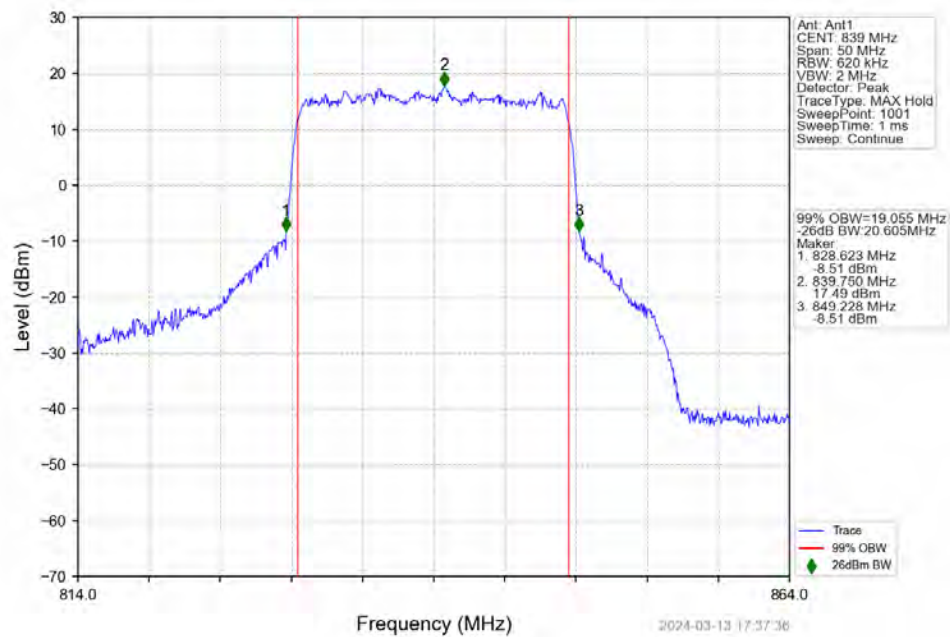
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_834MHz_Outer_Full



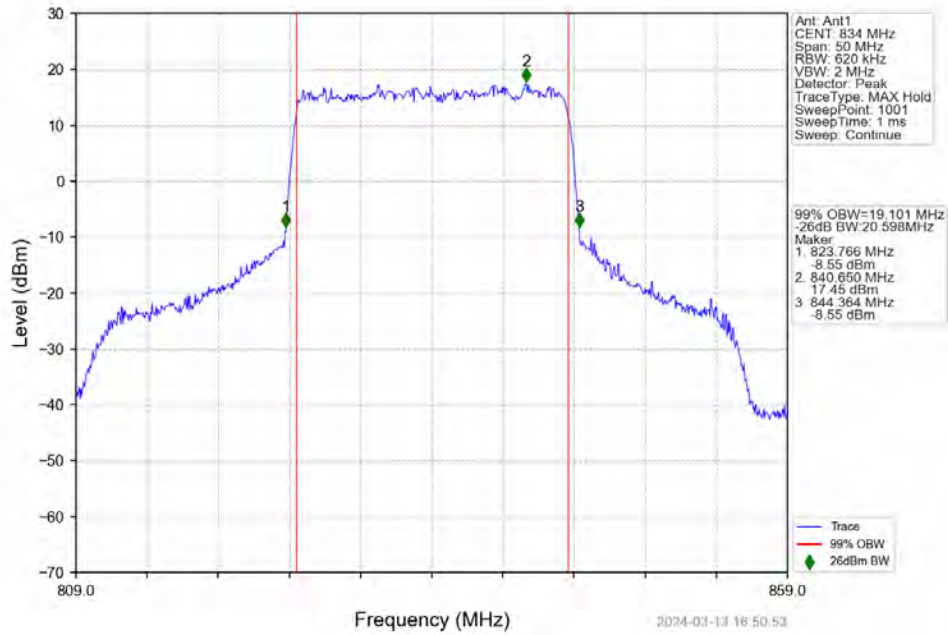
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full



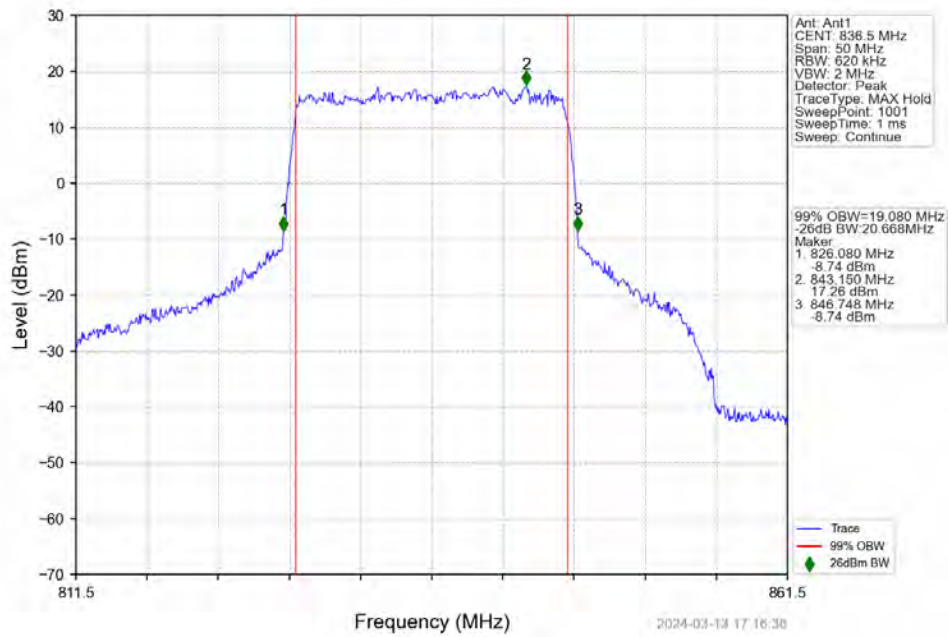
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_839MHz_Outer_Full



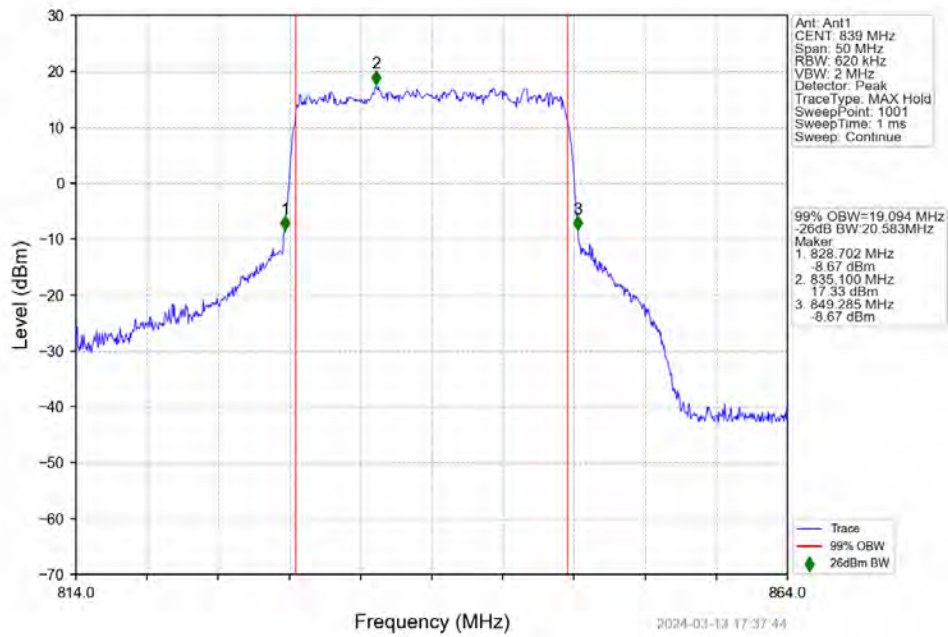
n5 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 834MHz Outer Full



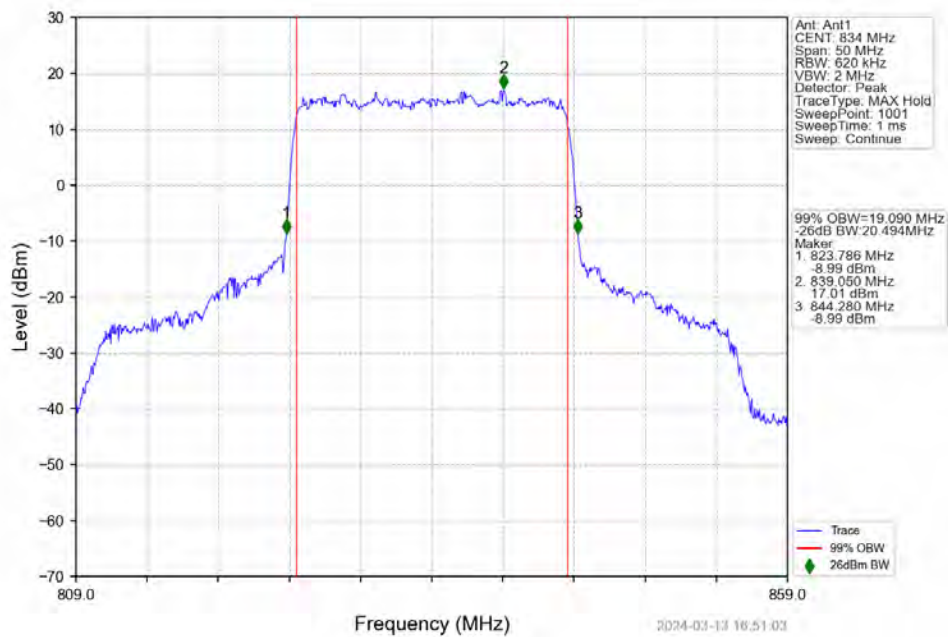
n5 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 836.5MHz Outer Full



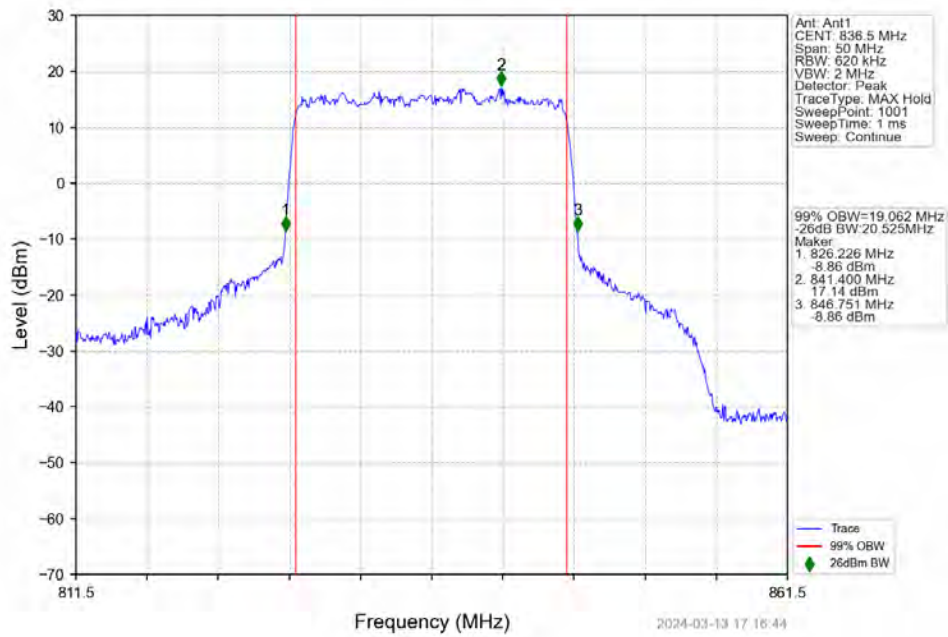
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_839MHz_Outer_Full



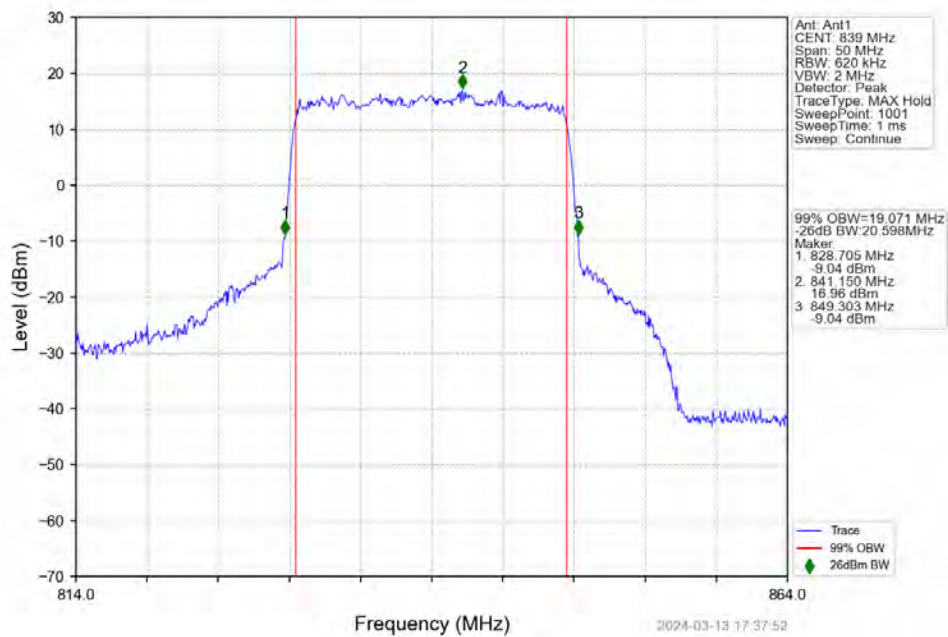
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_834MHz_Outer_Full



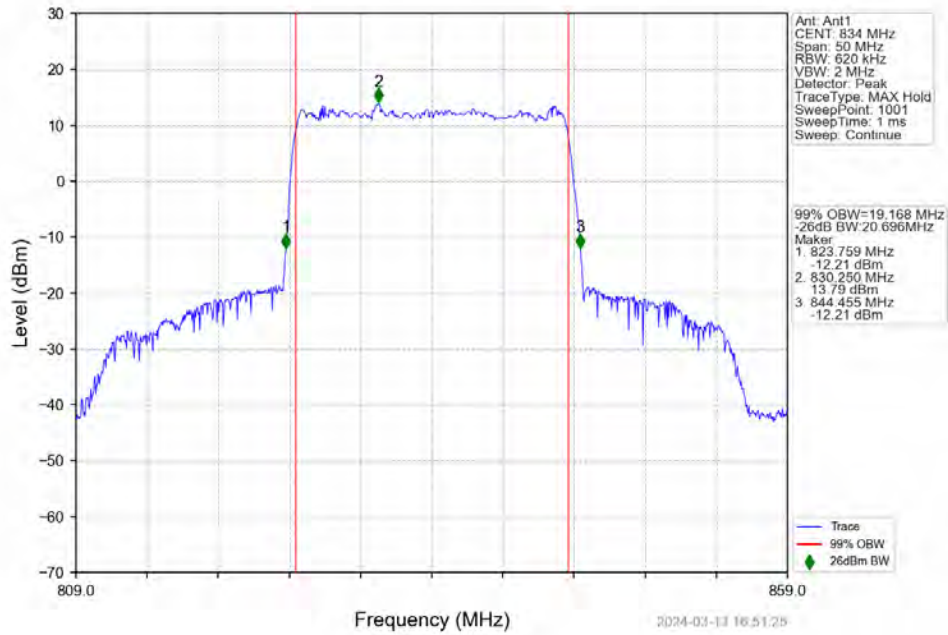
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full



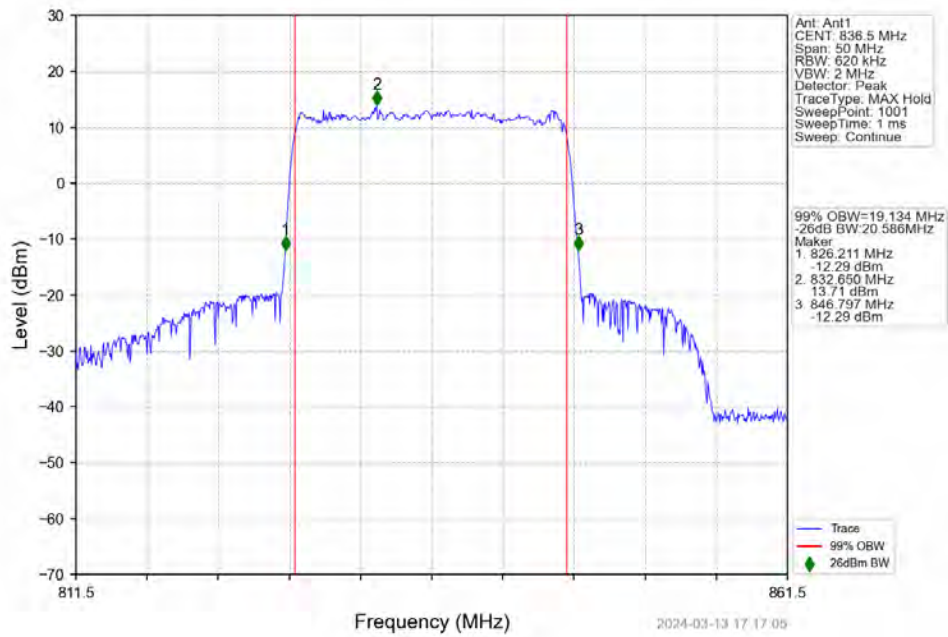
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_839MHz_Outer_Full



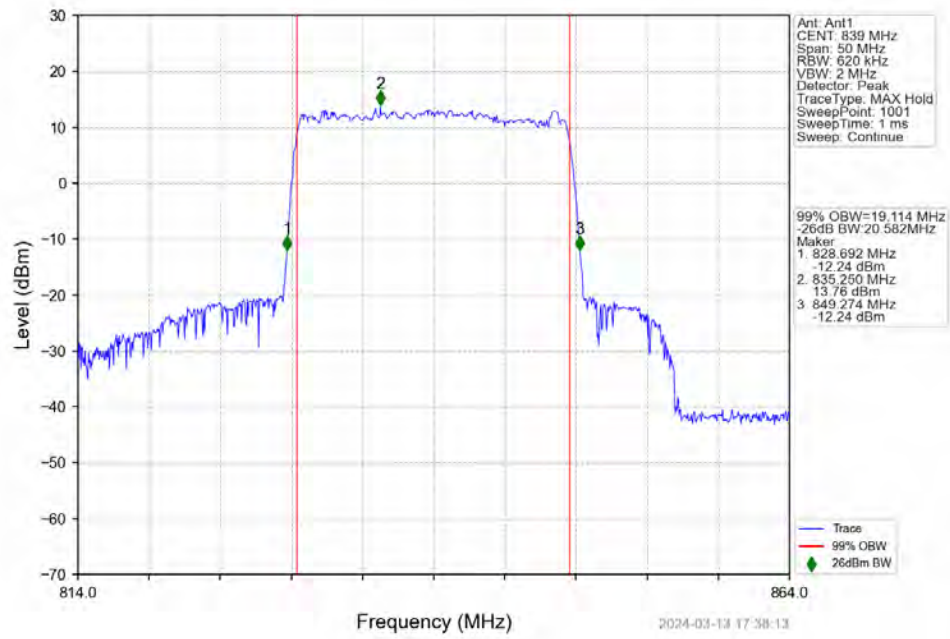
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_834MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full



n5 15kHz SISO NTV 20MHz CP-OFDM 256 QAM 839MHz Outer Full



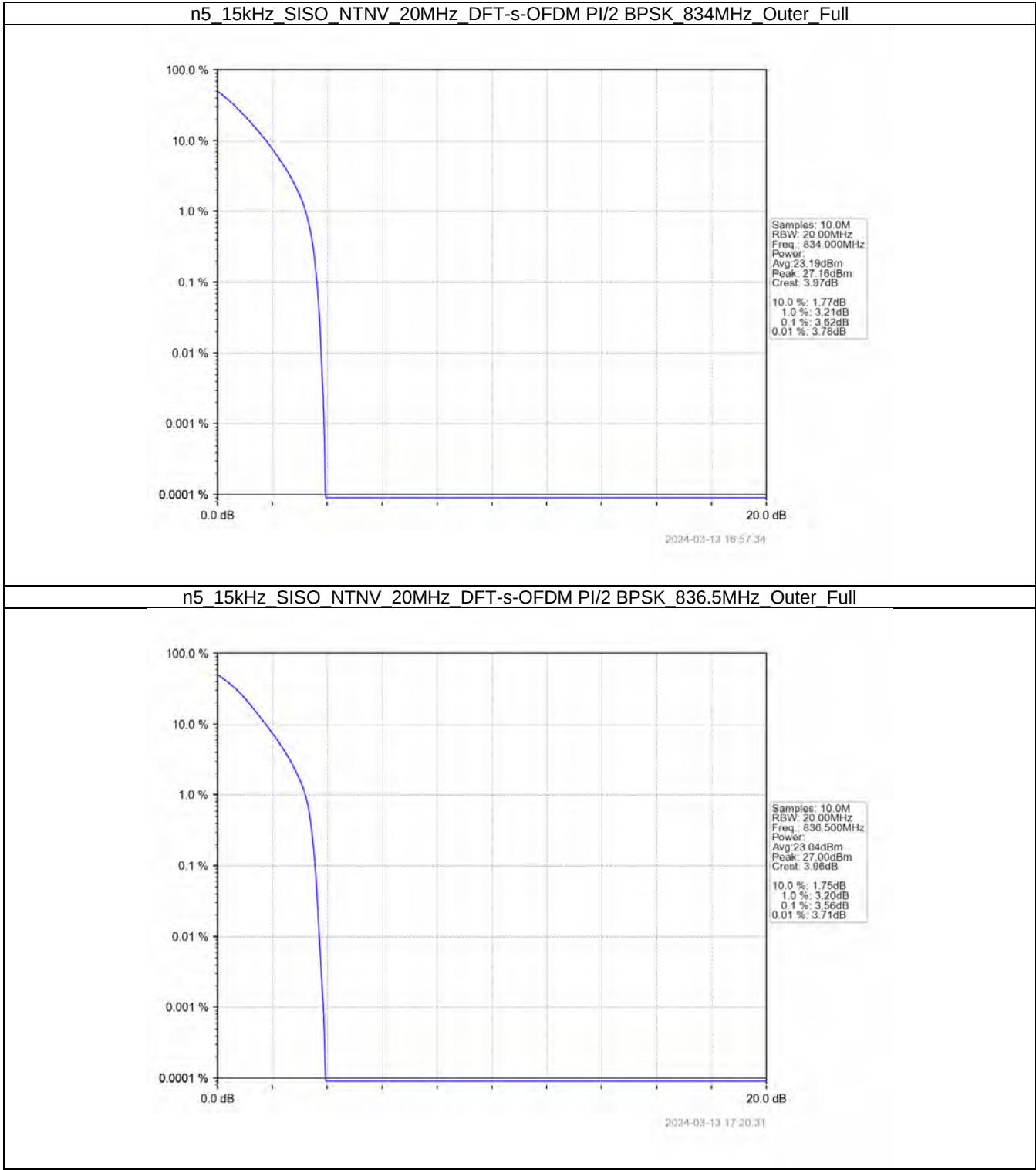
4. Peak-Average Ratio

4.1 15k_SISO_20MHz_NTNV

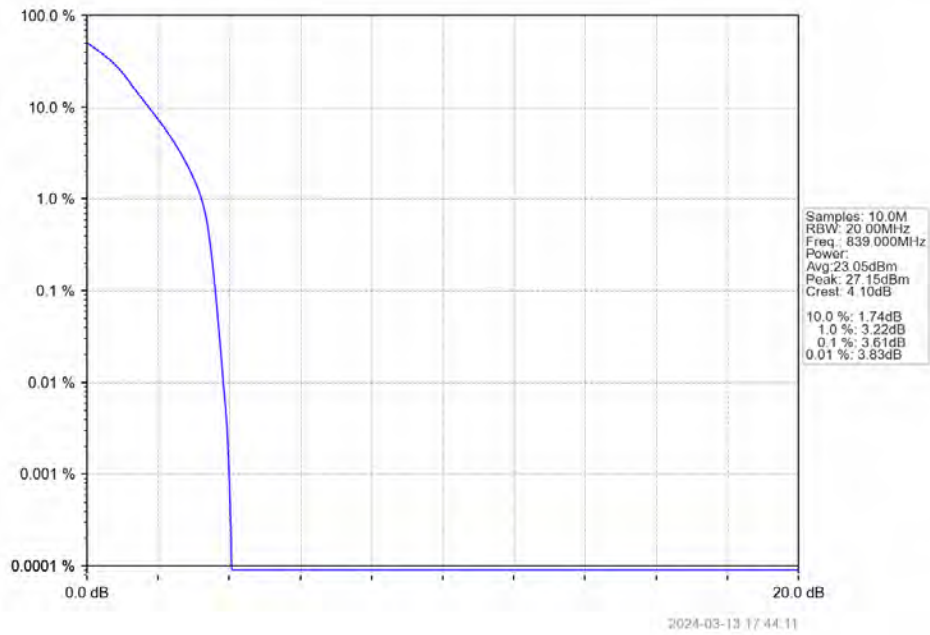
4.1.1 Test Result

5G NR n5 SCS=15kHz SISO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	3.62	/	/	<=13	Pass
	836.5	Outer_Full	3.56	/	/	<=13	Pass
	839	Outer_Full	3.61	/	/	<=13	Pass
DFT-s-OFDM QPSK	834	Outer_Full	4.75	/	/	<=13	Pass
	836.5	Outer_Full	4.77	/	/	<=13	Pass
	839	Outer_Full	4.82	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	5.69	/	/	<=13	Pass
	836.5	Outer_Full	5.69	/	/	<=13	Pass
	839	Outer_Full	5.73	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	6.01	/	/	<=13	Pass
	836.5	Outer_Full	5.99	/	/	<=13	Pass
	839	Outer_Full	6.03	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	6.48	/	/	<=13	Pass
	836.5	Outer_Full	6.46	/	/	<=13	Pass
	839	Outer_Full	6.49	/	/	<=13	Pass
CP-OFDM QPSK	834	Outer_Full	6.80	/	/	<=13	Pass
	836.5	Outer_Full	6.86	/	/	<=13	Pass
	839	Outer_Full	6.93	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer_Full	6.84	/	/	<=13	Pass
	836.5	Outer_Full	6.90	/	/	<=13	Pass
	839	Outer_Full	6.97	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer_Full	7.25	/	/	<=13	Pass
	836.5	Outer_Full	7.28	/	/	<=13	Pass
	839	Outer_Full	7.36	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer_Full	8.28	/	/	<=13	Pass
	836.5	Outer_Full	8.28	/	/	<=13	Pass
	839	Outer_Full	8.29	/	/	<=13	Pass

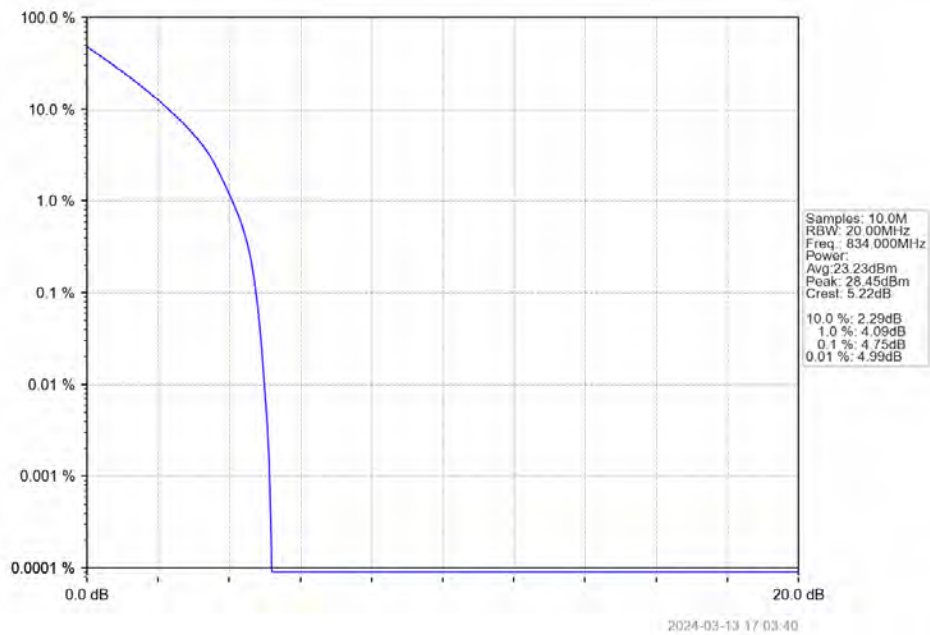
4.4.2 Test Graph



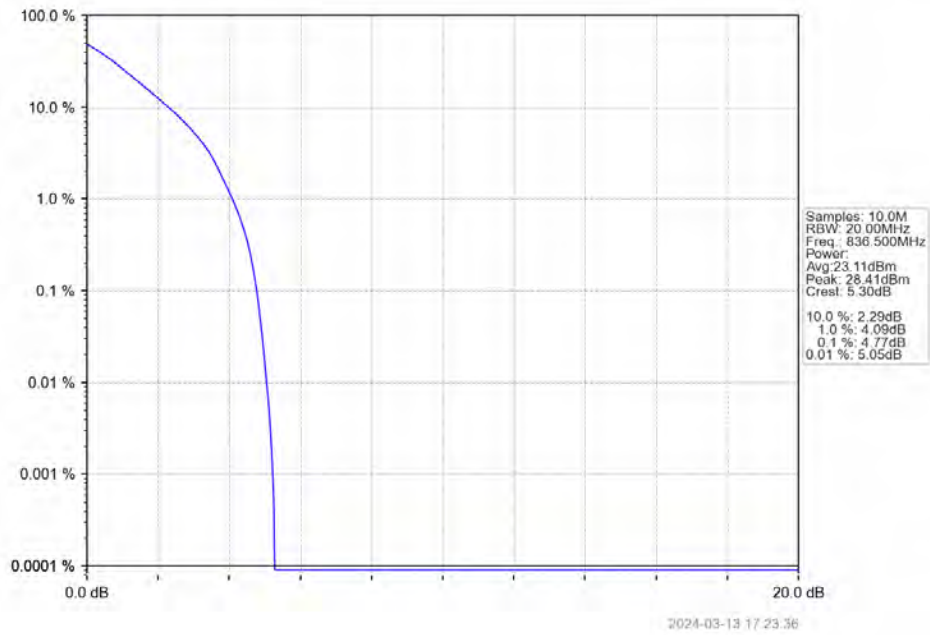
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 839MHz Outer Full



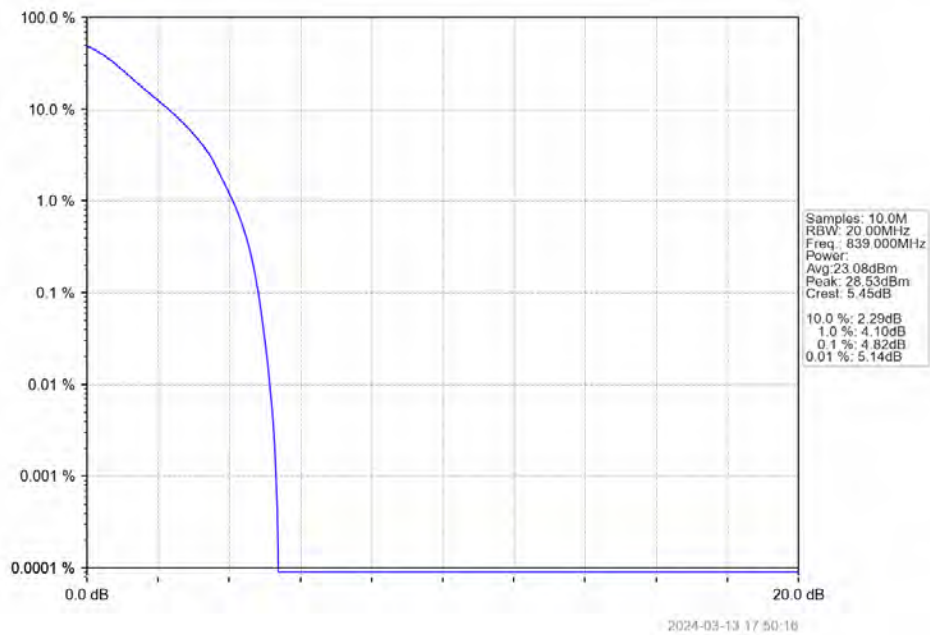
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 834MHz Outer Full



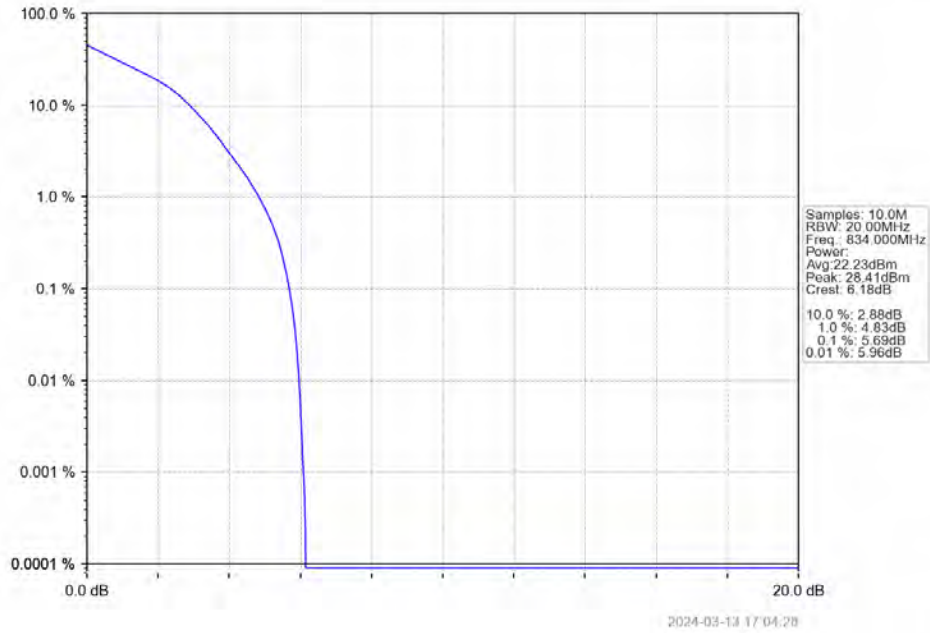
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 836.5MHz Outer Full



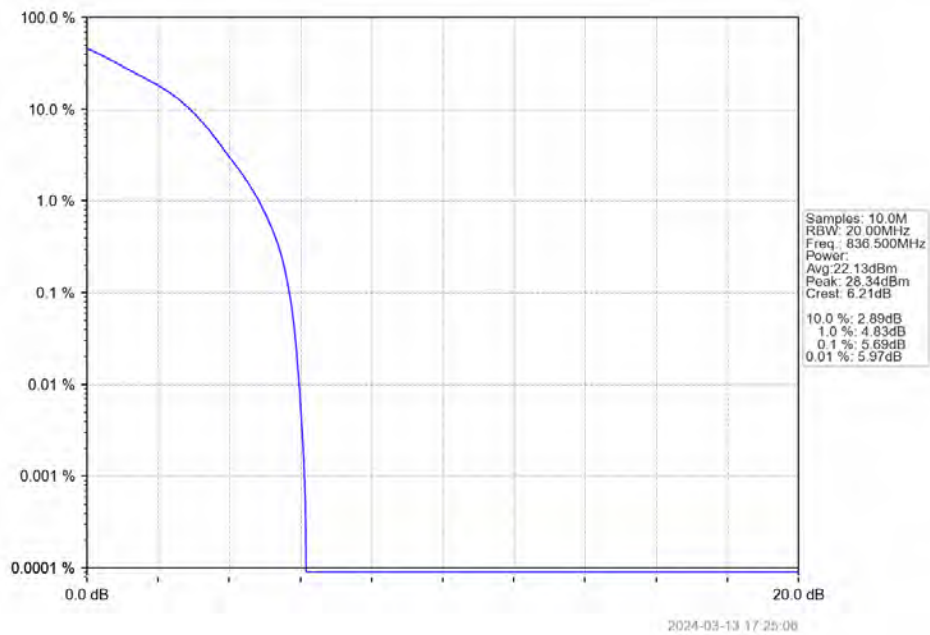
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 839MHz Outer Full



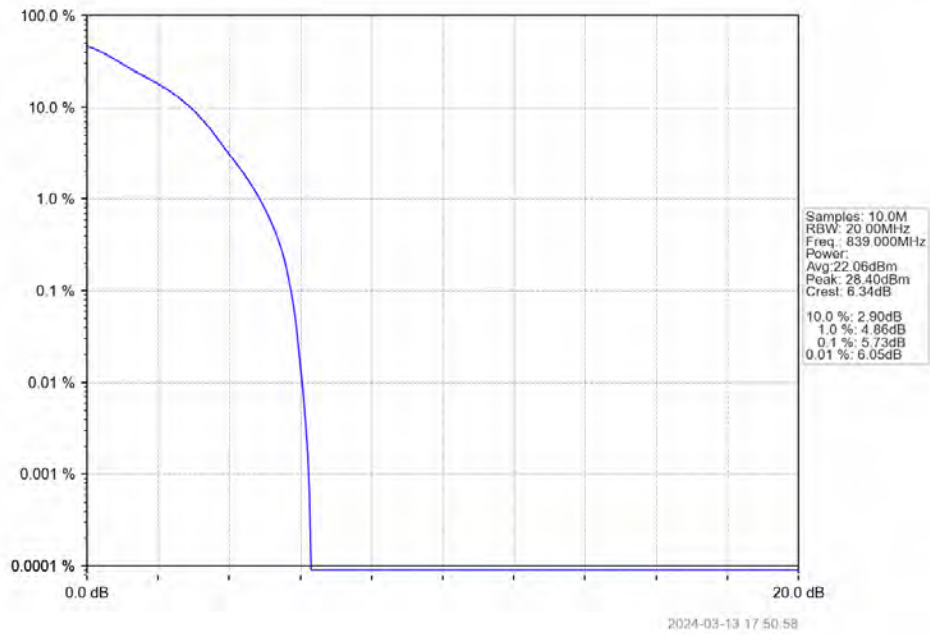
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 834MHz Outer Full



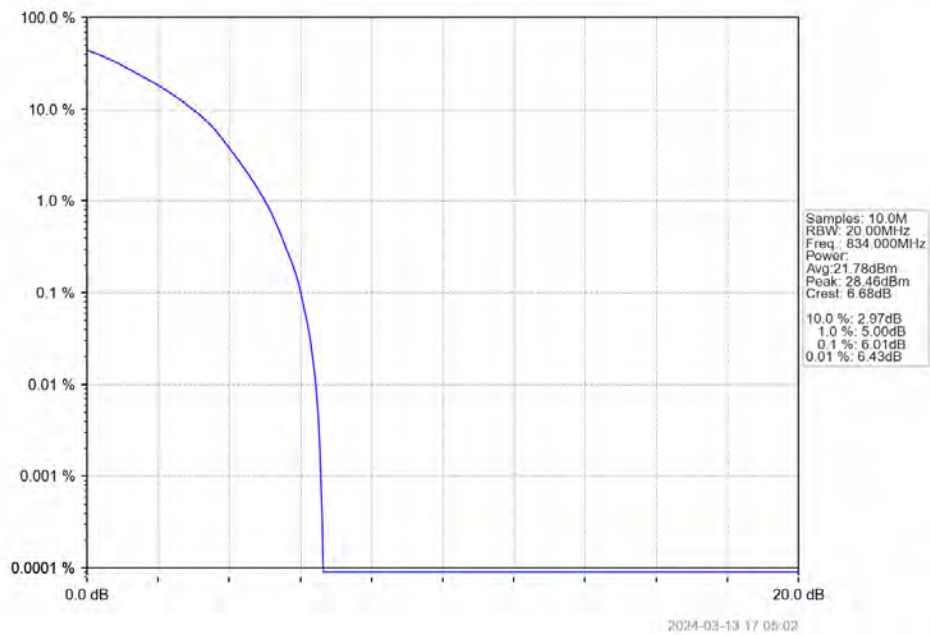
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



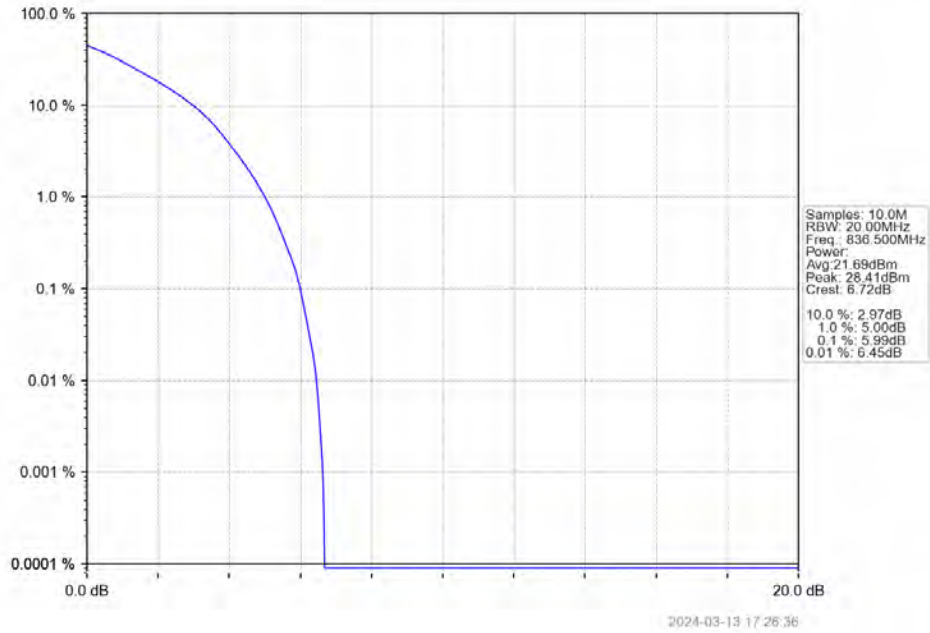
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 839MHz Outer Full



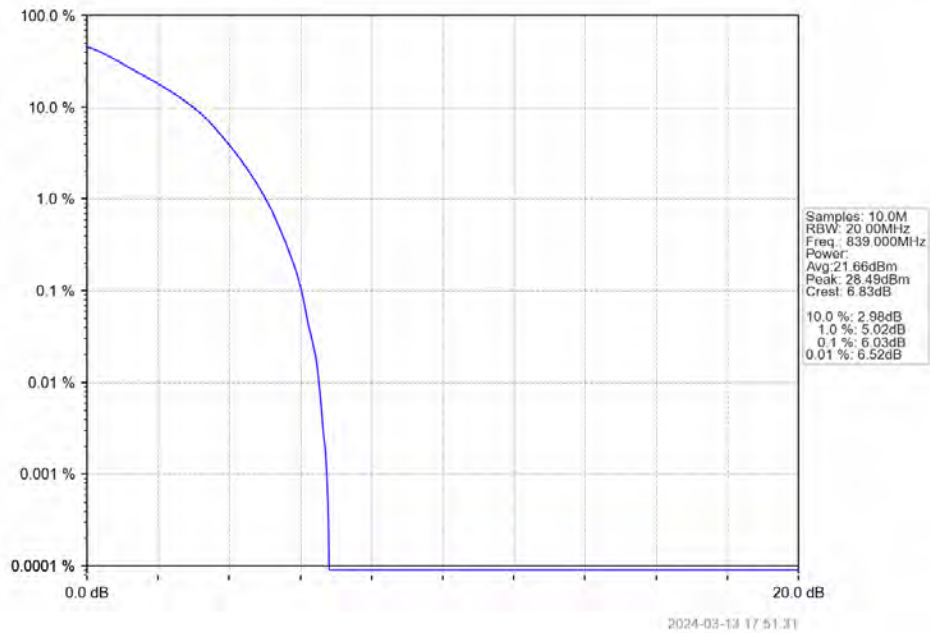
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 834MHz Outer Full



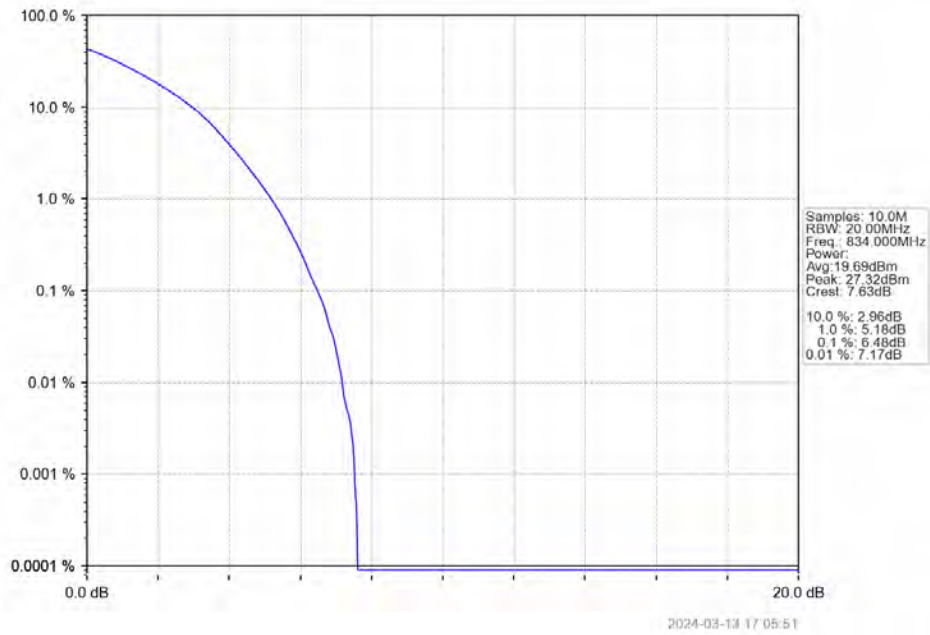
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



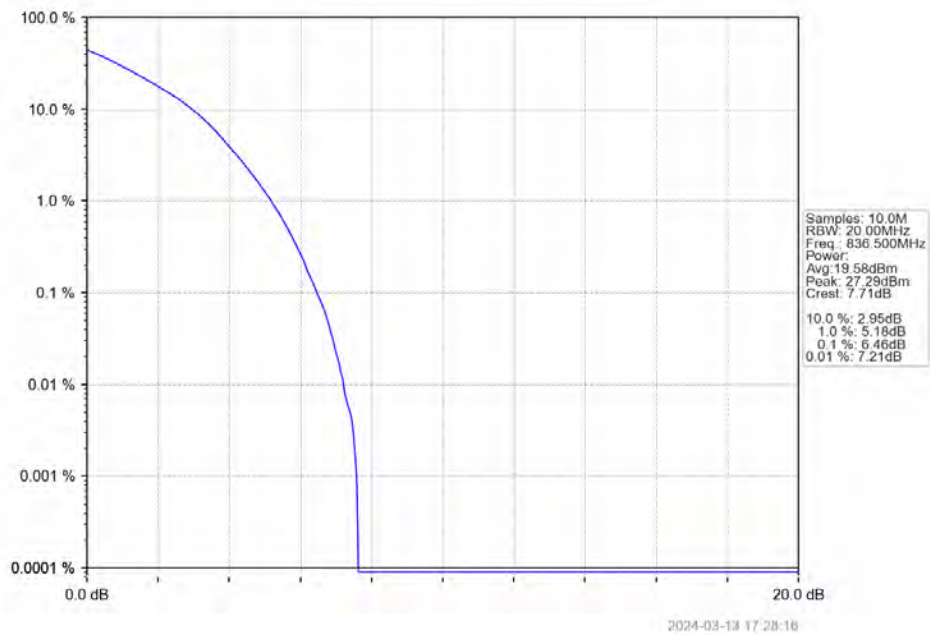
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 839MHz Outer Full



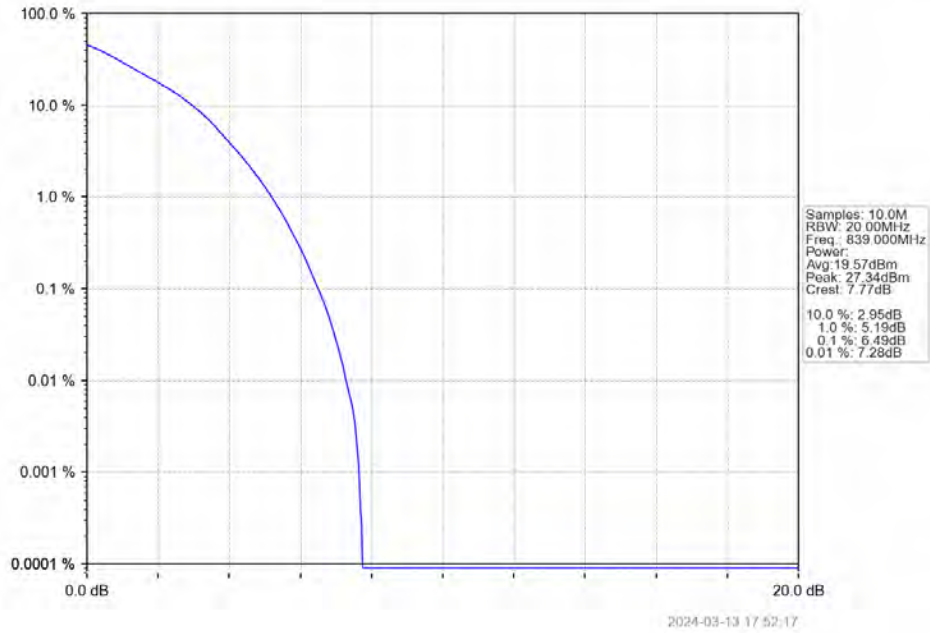
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 834MHz Outer Full



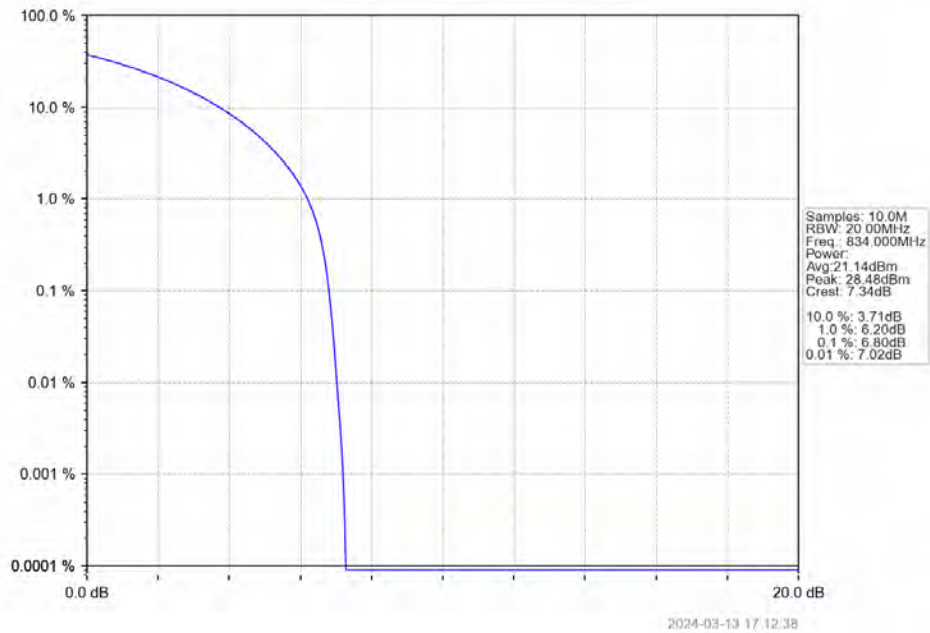
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



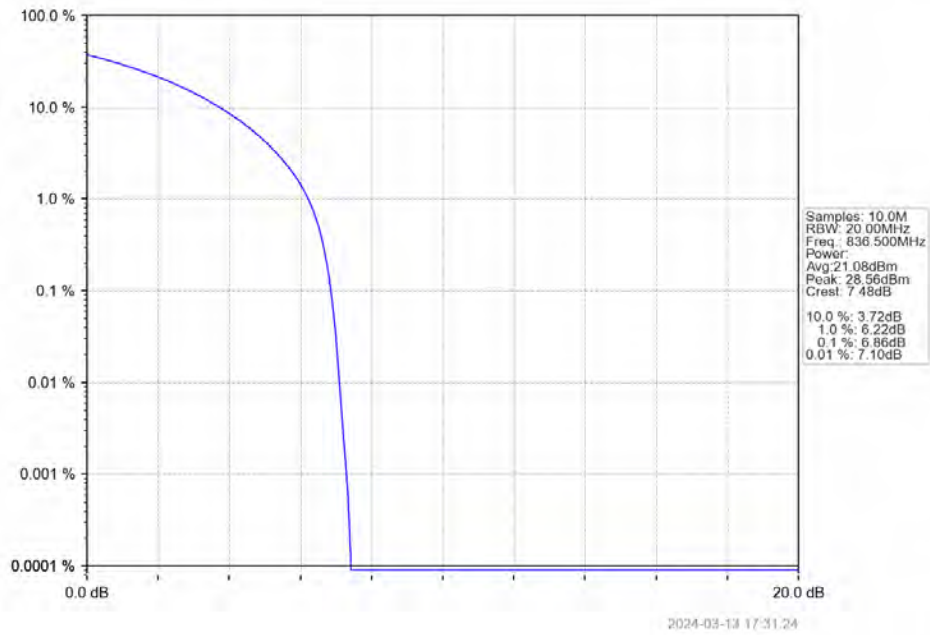
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_839MHz_Outer_Full



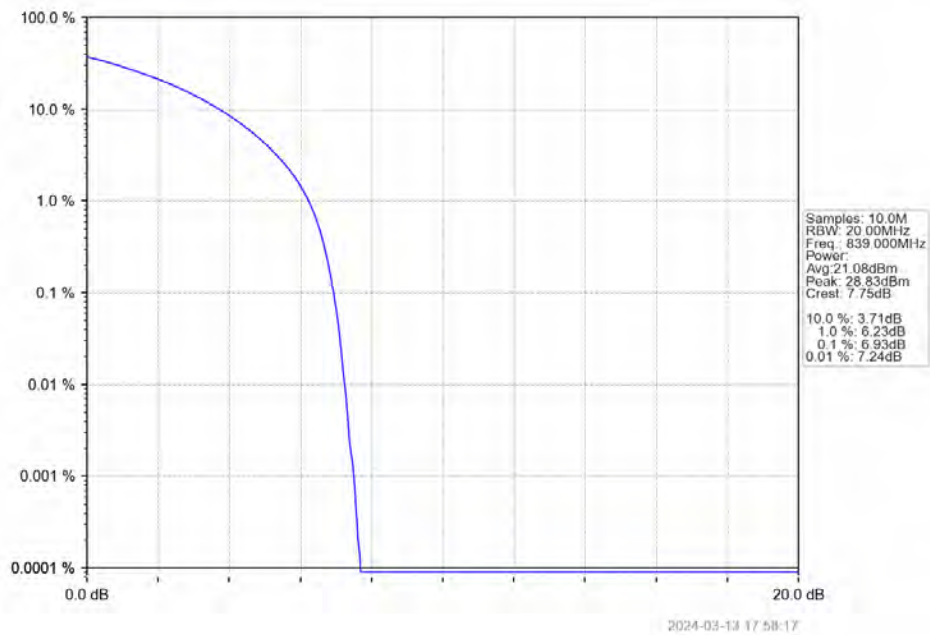
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_834MHz_Outer_Full



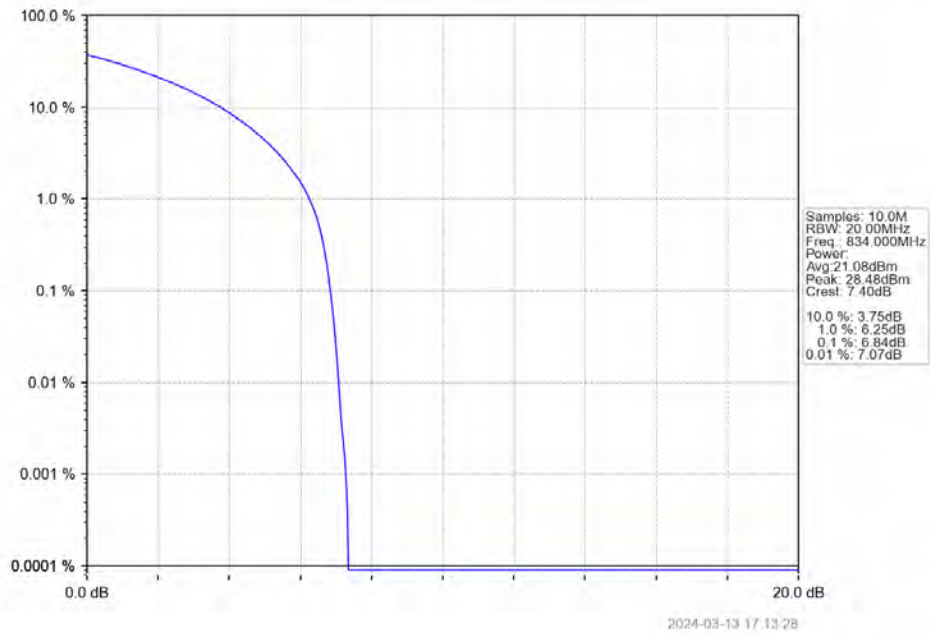
n5 15kHz SISO NTN 20MHz CP-OFDM QPSK 836.5MHz Outer Full



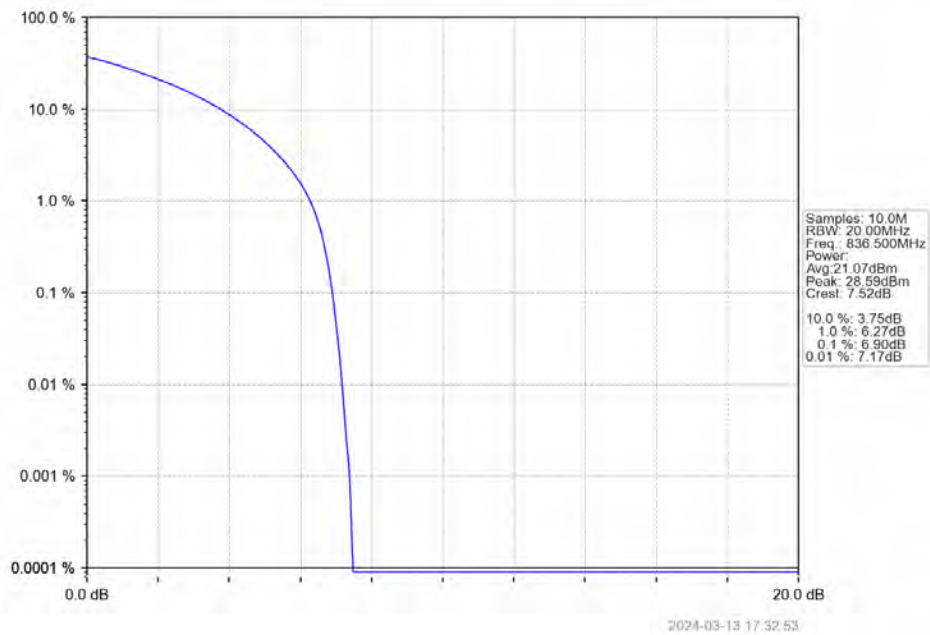
n5 15kHz SISO NTN 20MHz CP-OFDM QPSK 839MHz Outer Full



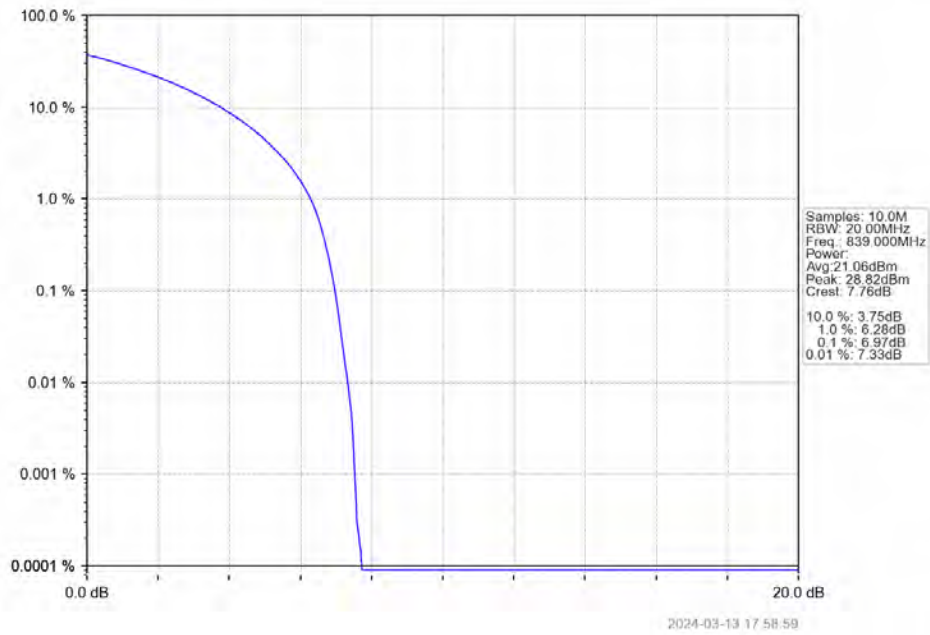
n5 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 834MHz Outer Full



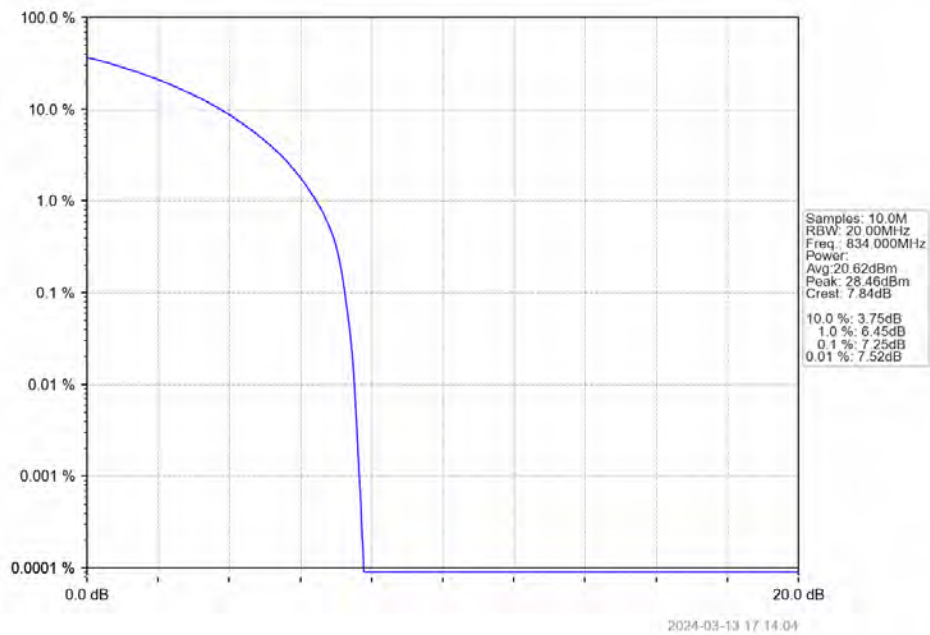
n5 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 836.5MHz Outer Full



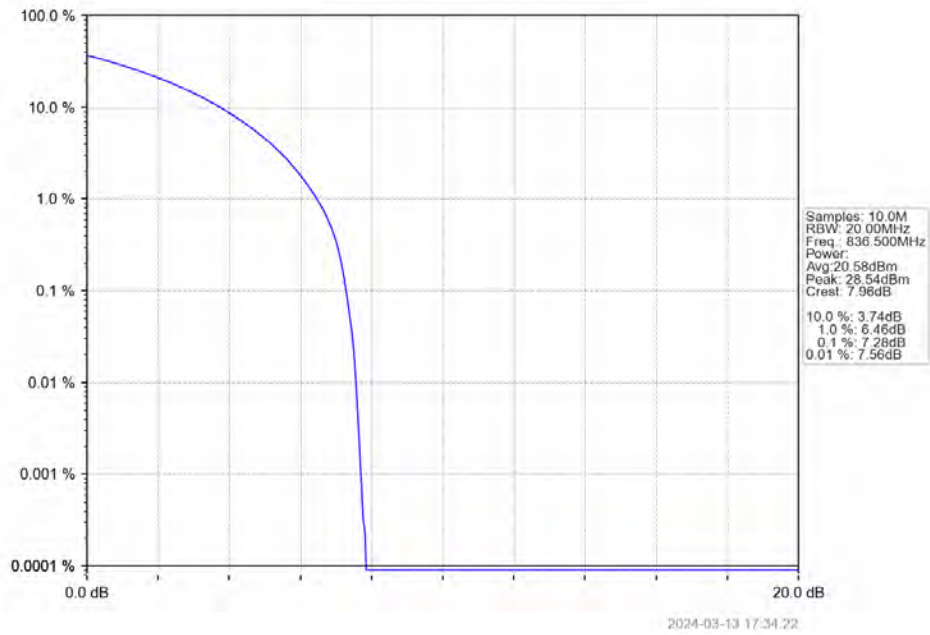
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_839MHz_Outer_Full



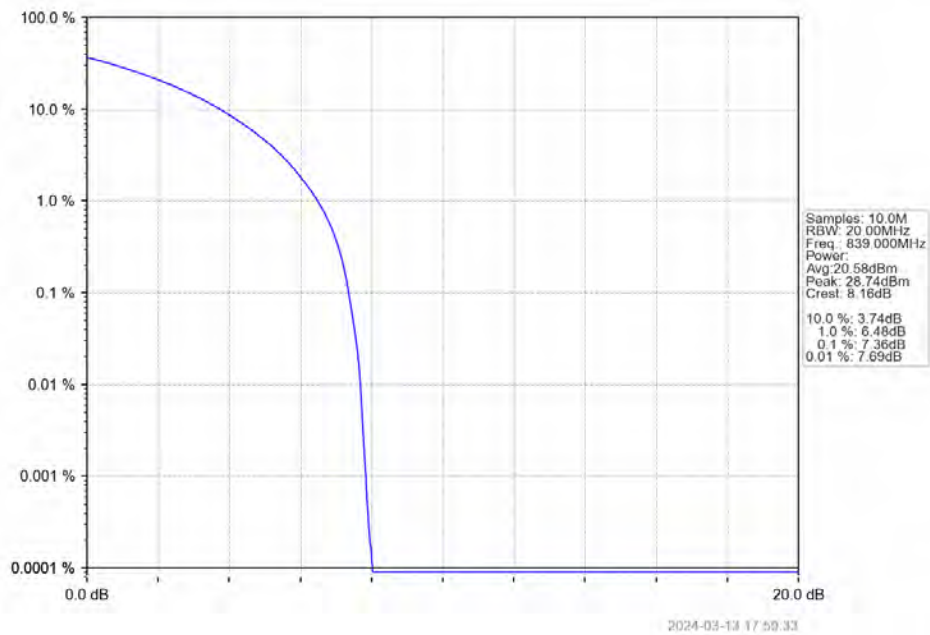
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_834MHz_Outer_Full



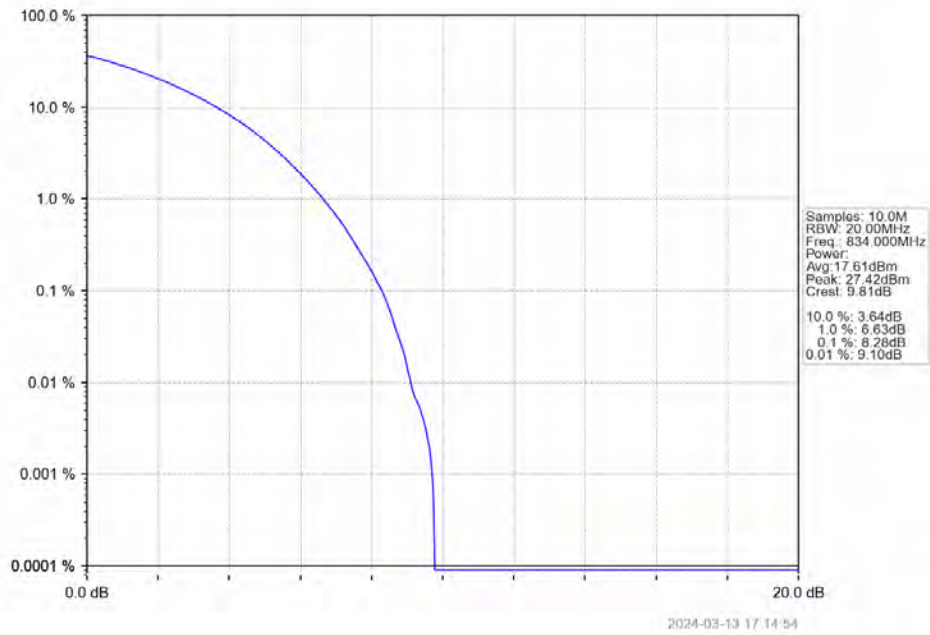
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full



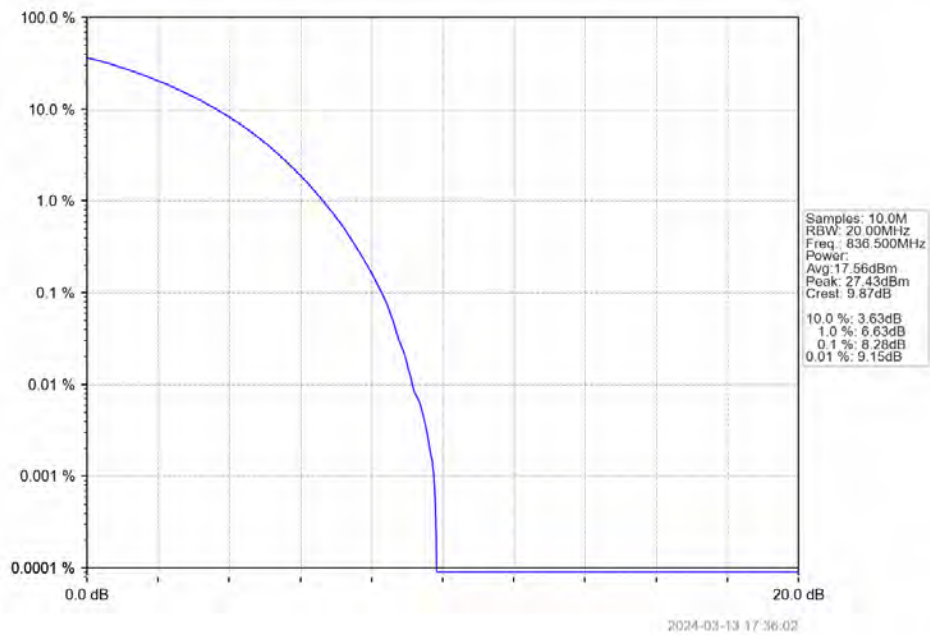
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_839MHz_Outer_Full



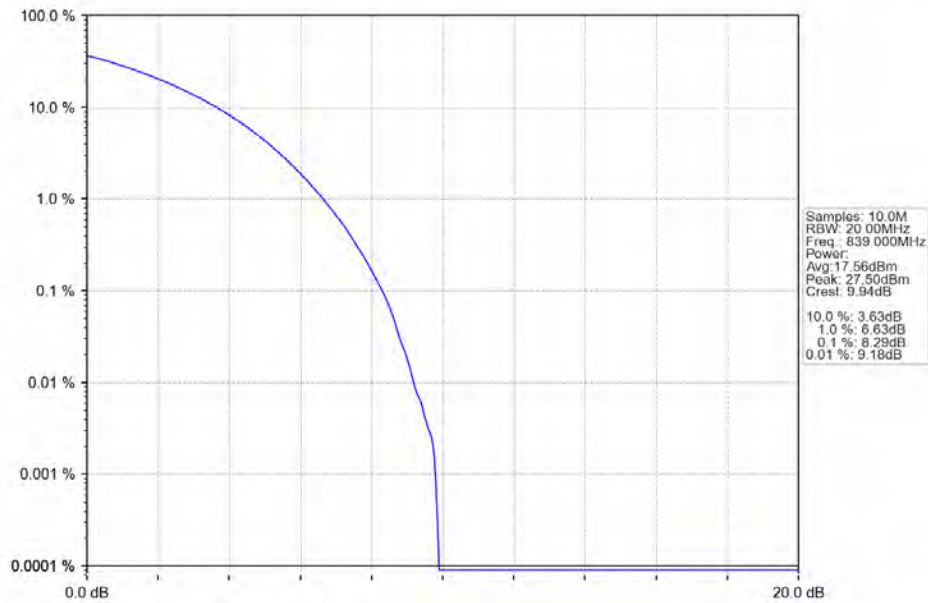
n5 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 834MHz Outer Full



n5 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 836.5MHz Outer Full



n5 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 839MHz Outer Full



2024-03-13 18:00:19

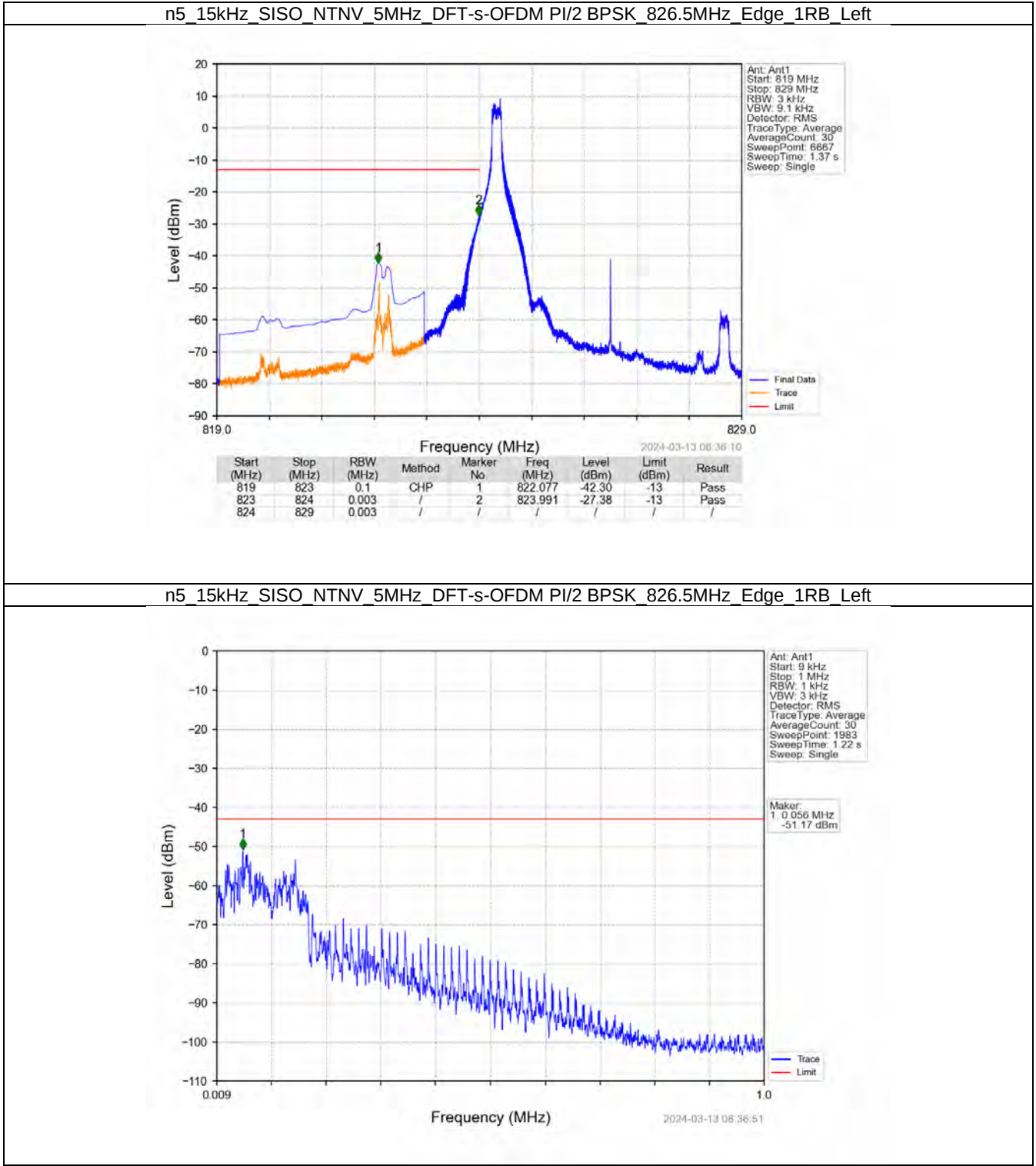
5. Spurious Emission

5.1 15k_SISO_5MHz_NTNV

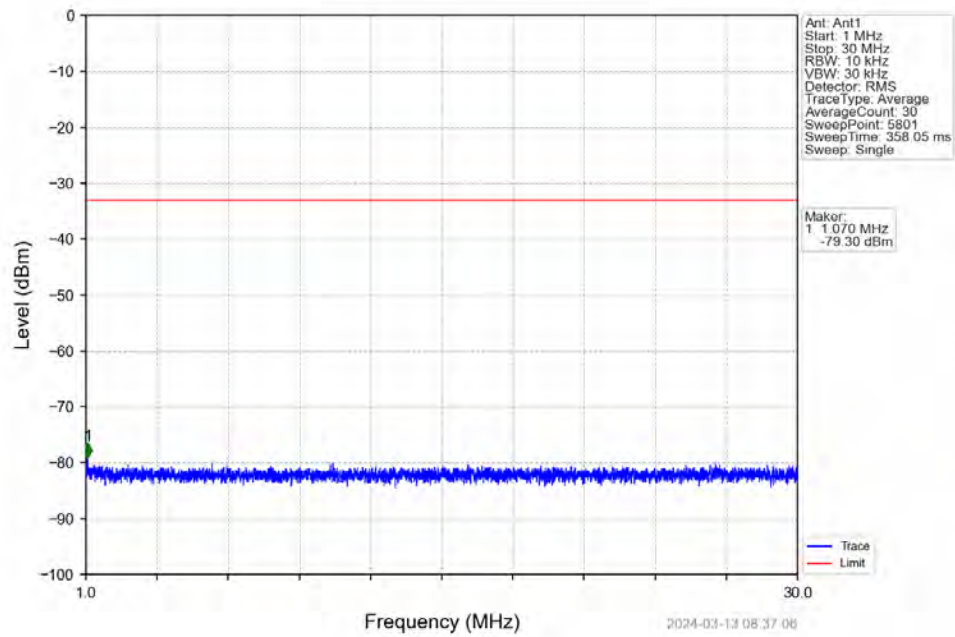
5.1.1 Test Result

5G NR n5 SCS=15kHz SISO 5MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	826.5	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	836.5	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	
		826.5	Edge_1RB_Left	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Left	Refer To Test Graph				Pass			
836.5	Edge_1RB_Left	Refer To Test Graph				Pass		
	Edge_1RB_Right	Refer To Test Graph				Pass		
	Outer_Full	Refer To Test Graph				Pass		
846.5	Inner_1RB_Right	Refer To Test Graph				Pass		

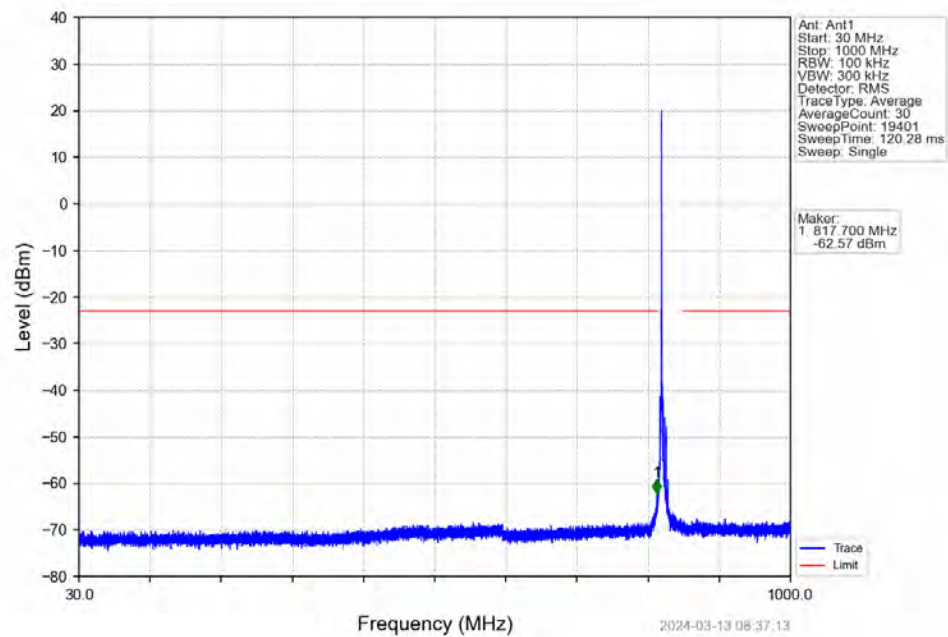
5.1.2 Test Graph



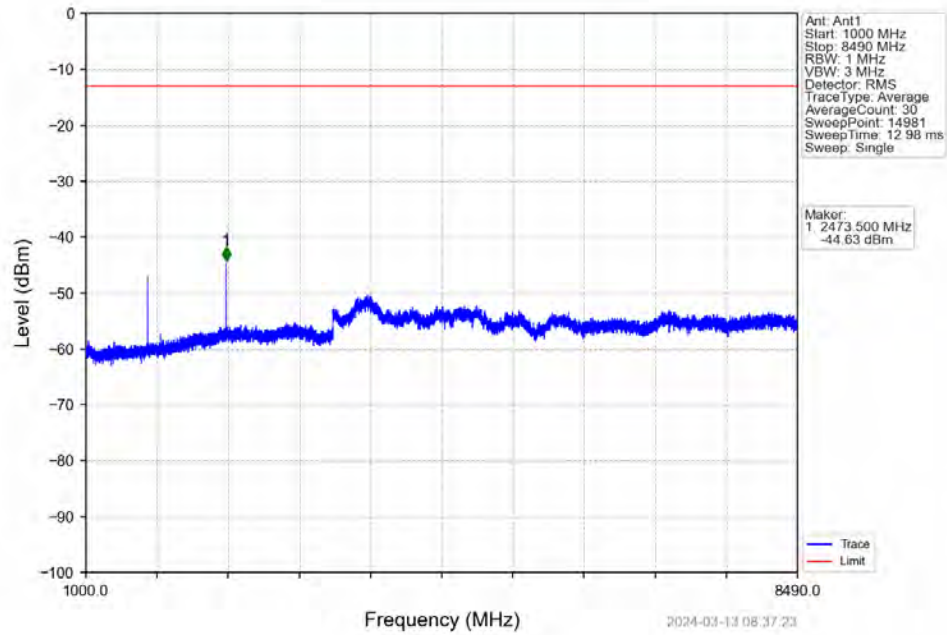
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 826.5MHz Edge 1RB Left



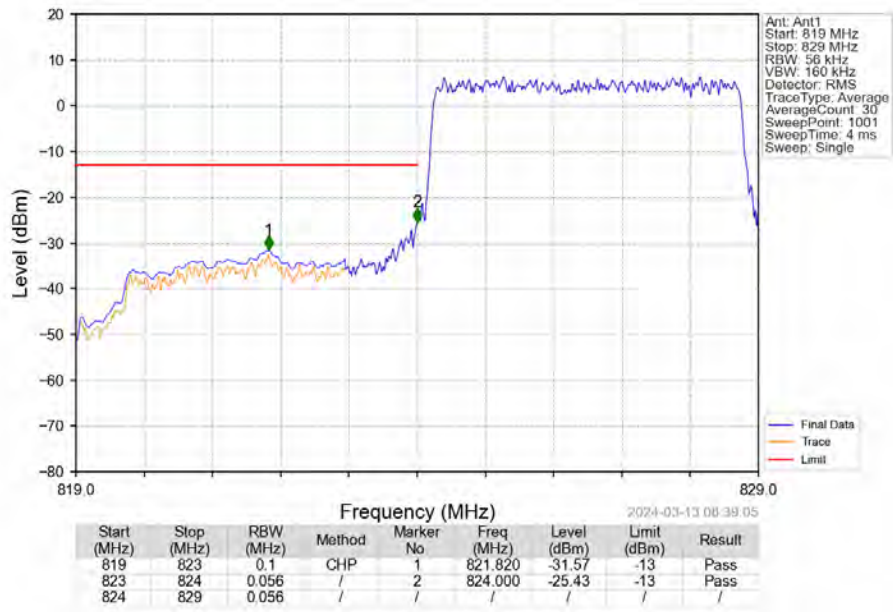
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 826.5MHz Edge 1RB Left



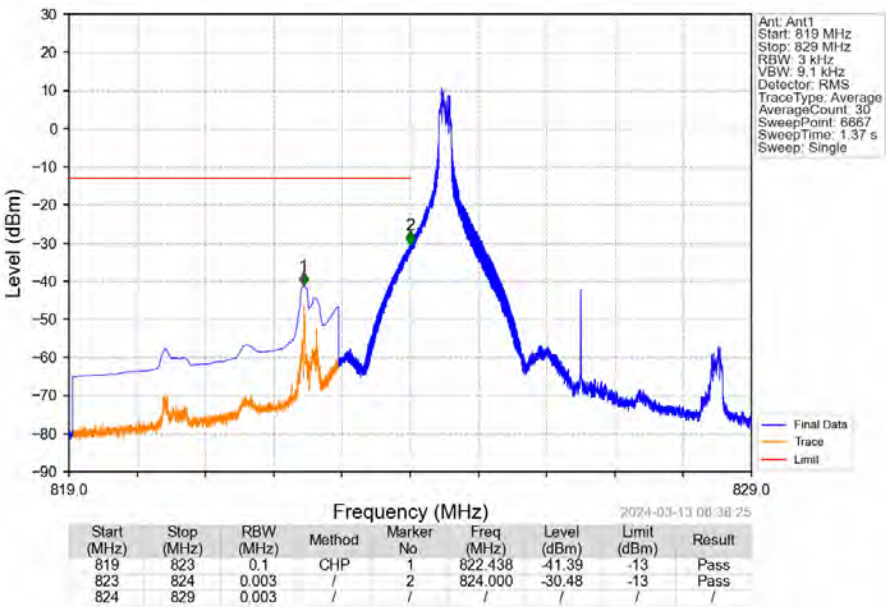
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_826.5MHz_Edge_1RB_Left



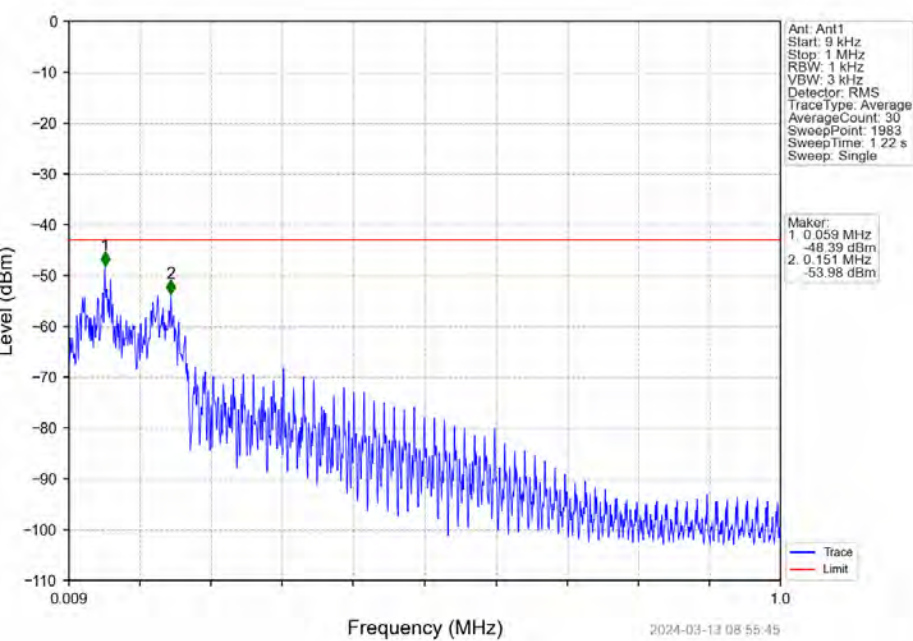
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_826.5MHz_Outer_Full



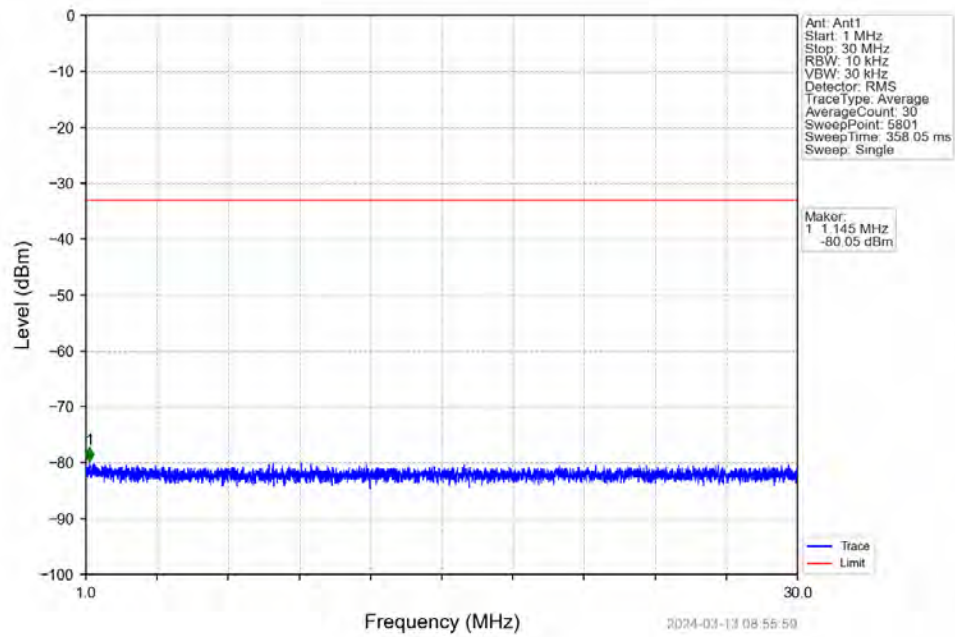
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 826.5MHz Inner 1RB Left



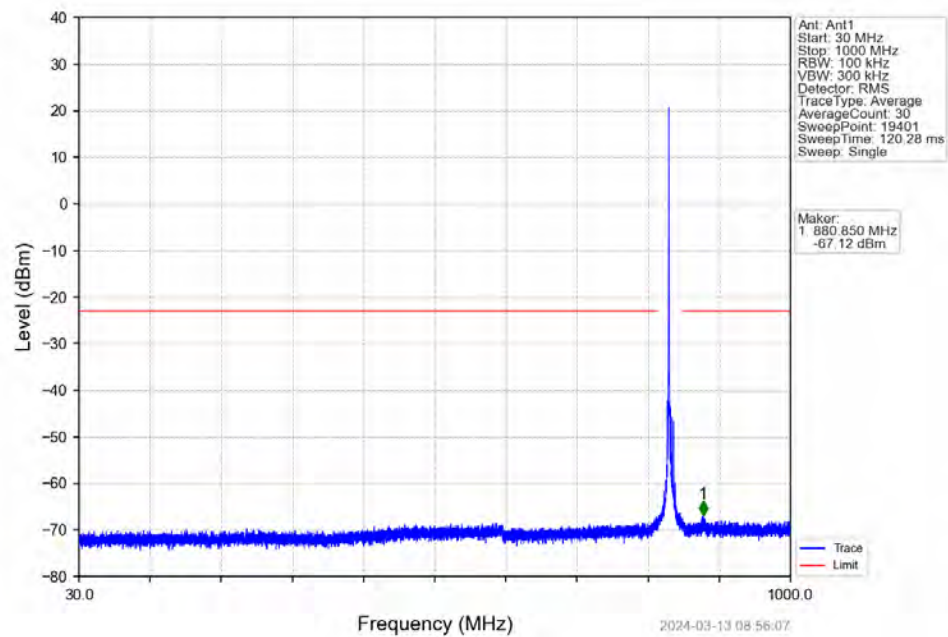
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 836.5MHz Edge 1RB Left



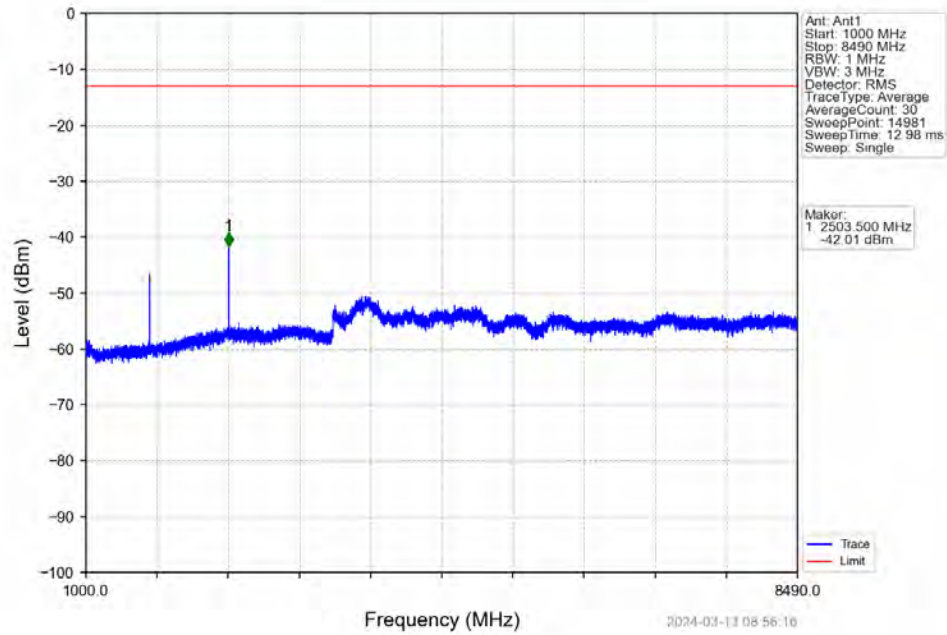
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 836.5MHz Edge 1RB Left



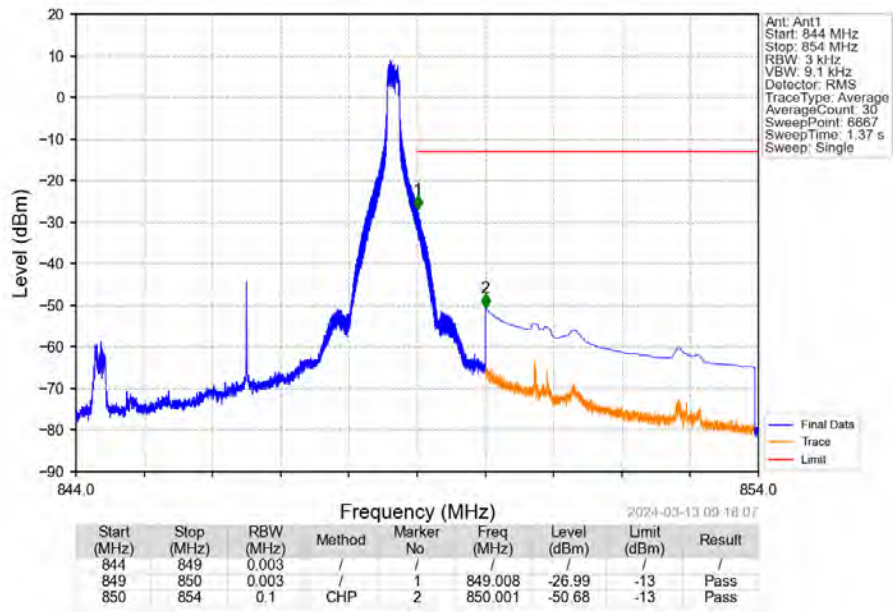
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 836.5MHz Edge 1RB Left



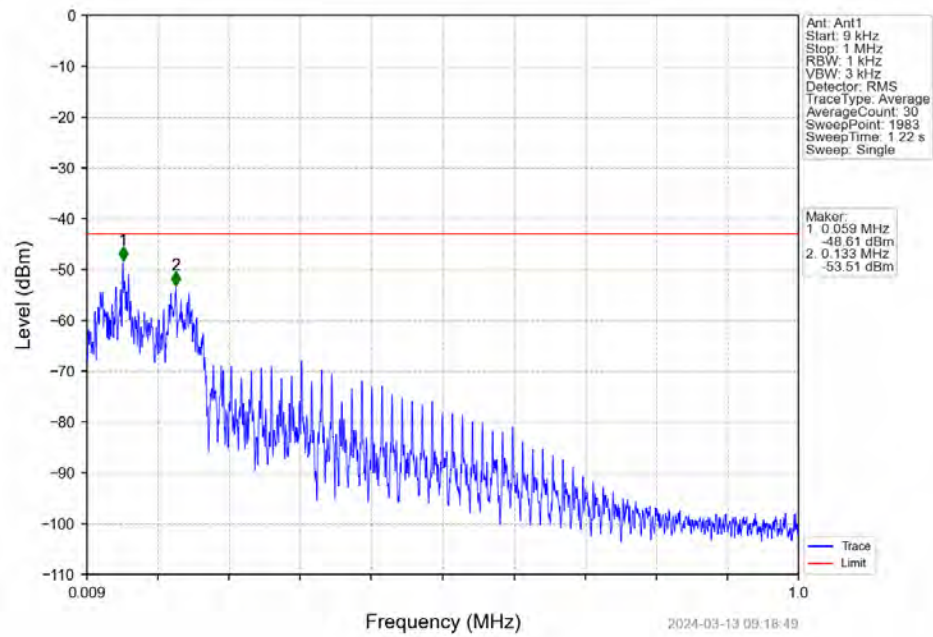
n5 15kHz SISO NTV 5MHz DFT-s-OFDM PI/2 BPSK 836.5MHz Edge 1RB Left



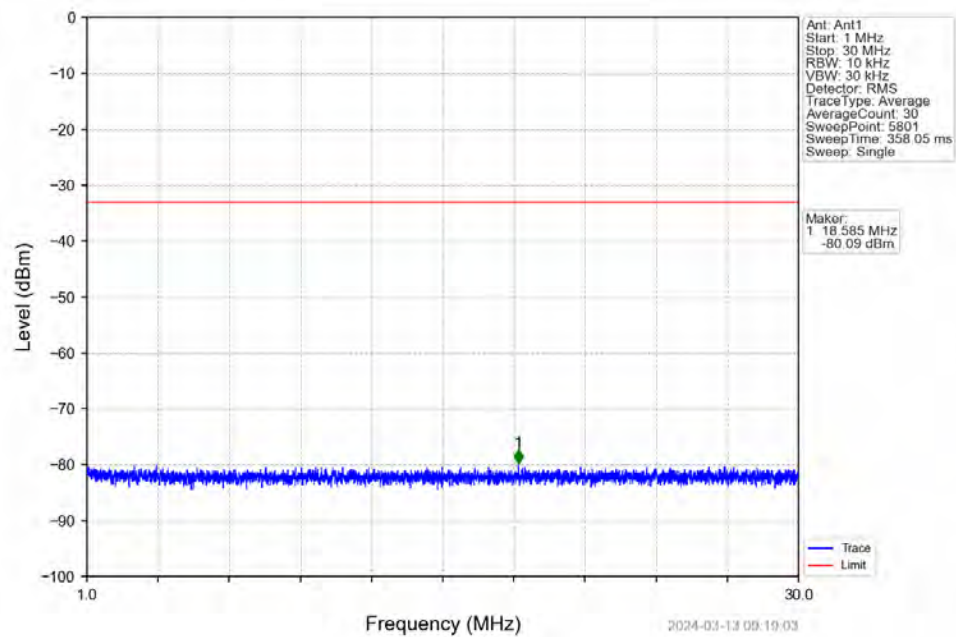
n5 15kHz SISO NTV 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Edge 1RB Right



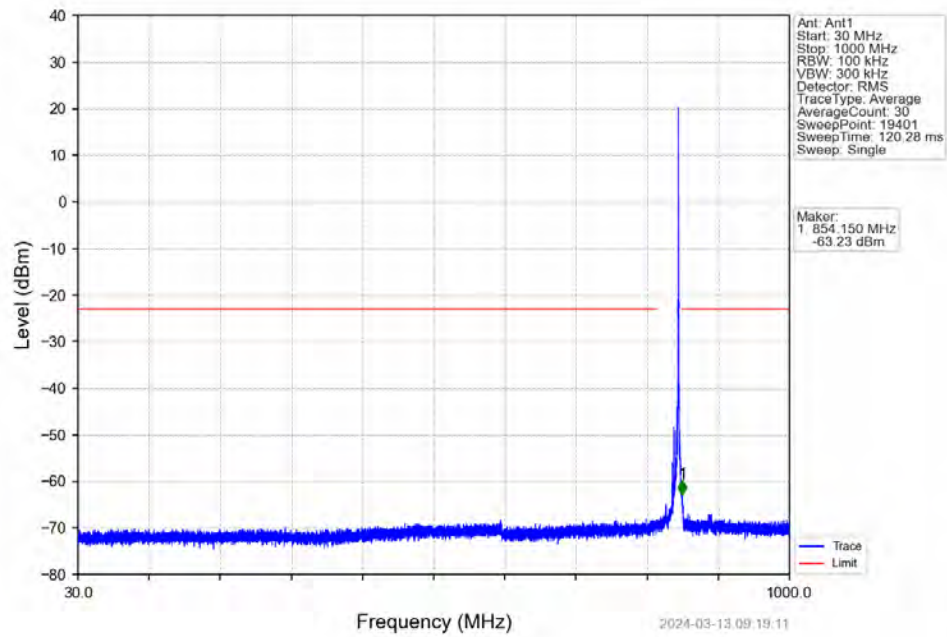
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Edge 1RB Right



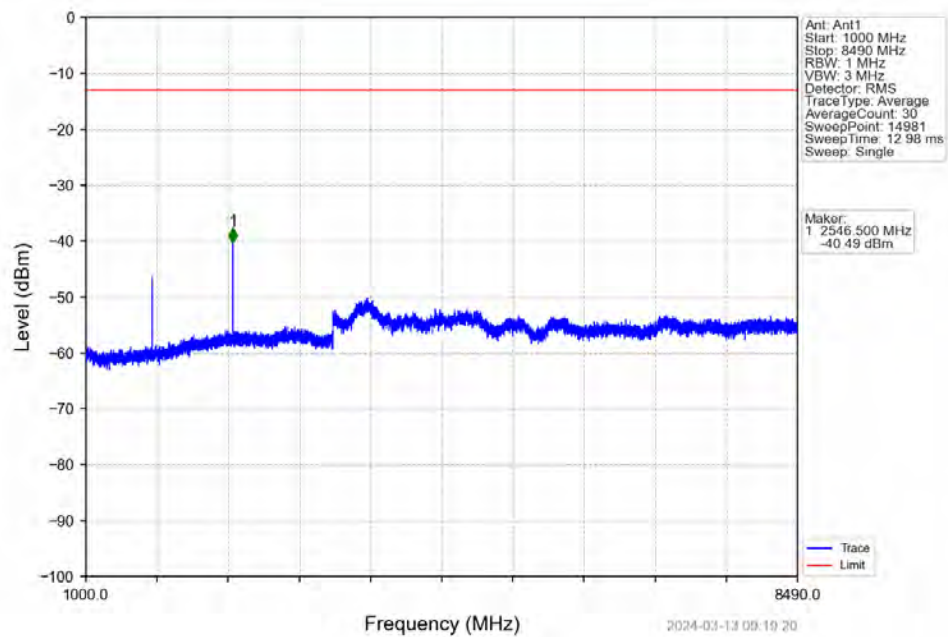
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Edge 1RB Right



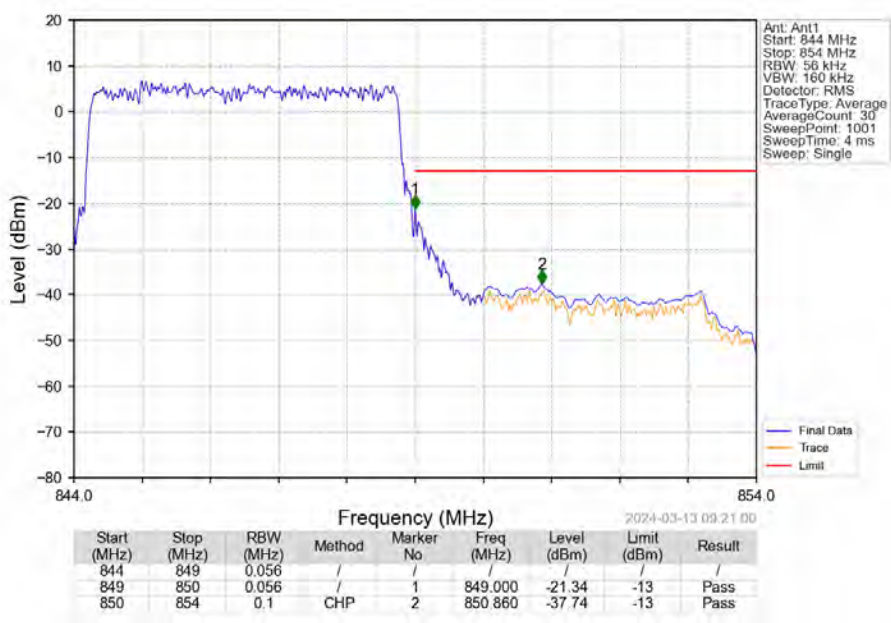
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Edge 1RB Right



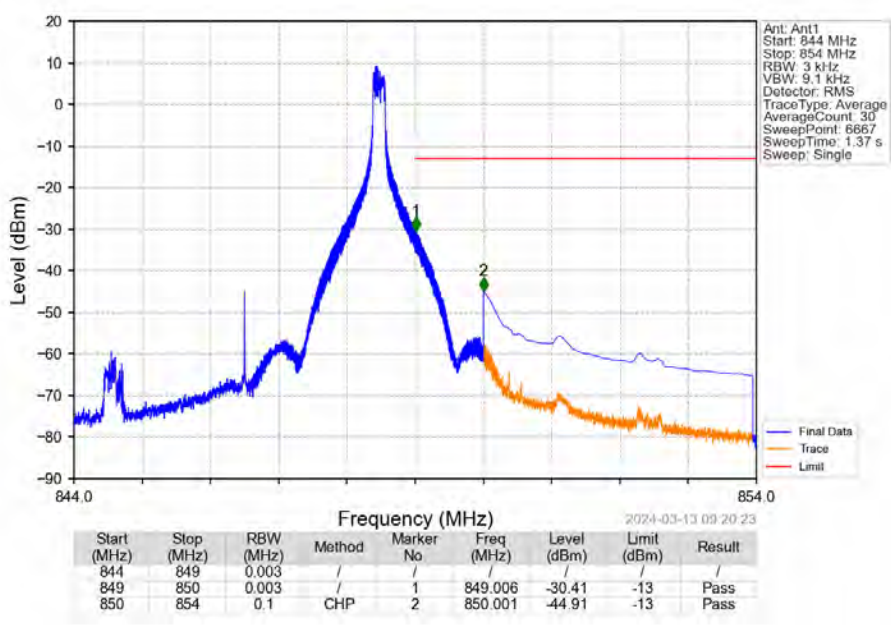
n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Edge 1RB Right



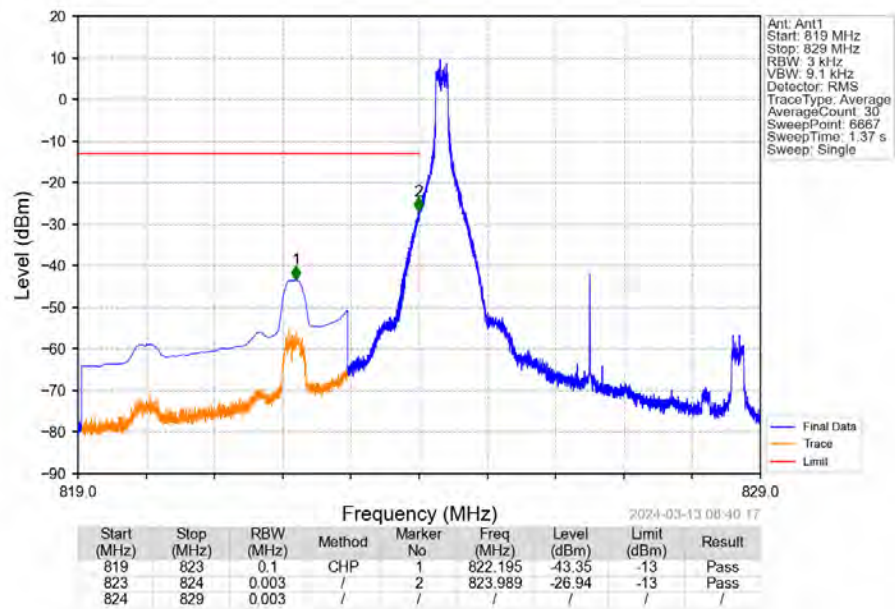
n5 15kHz SISO NTV 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Outer Full



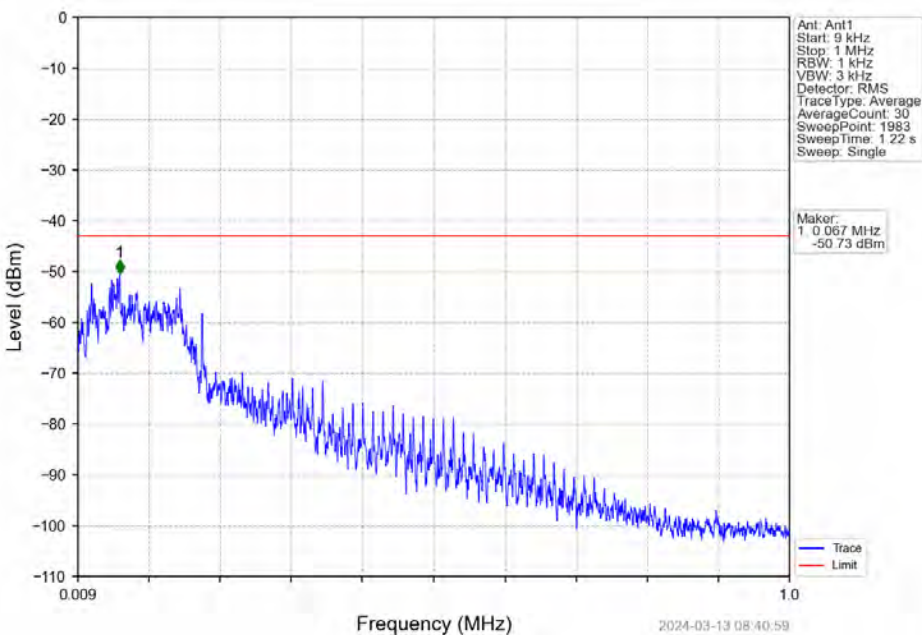
n5 15kHz SISO NTV 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Inner 1RB Right



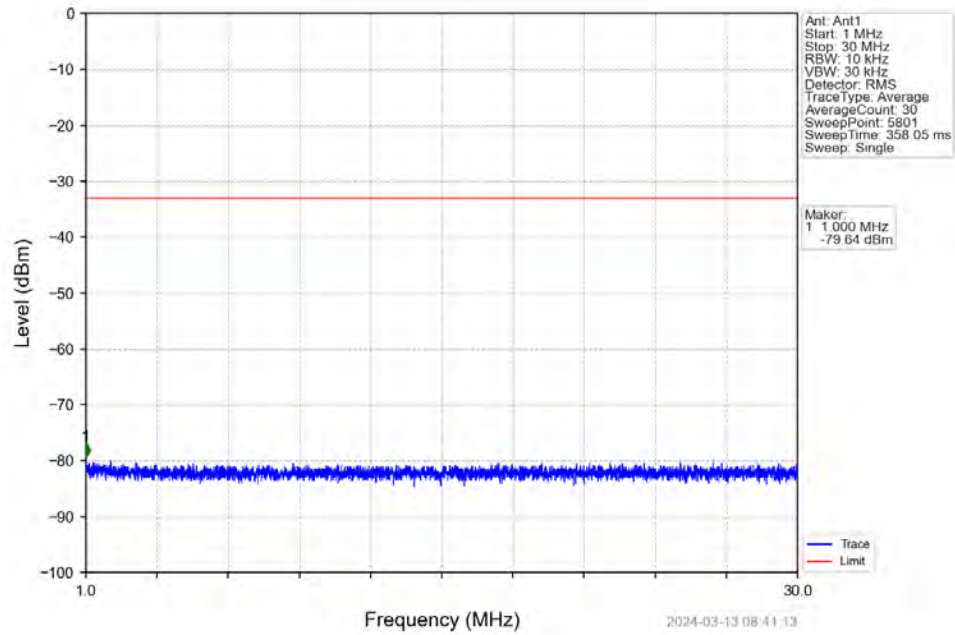
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Edge 1RB Left



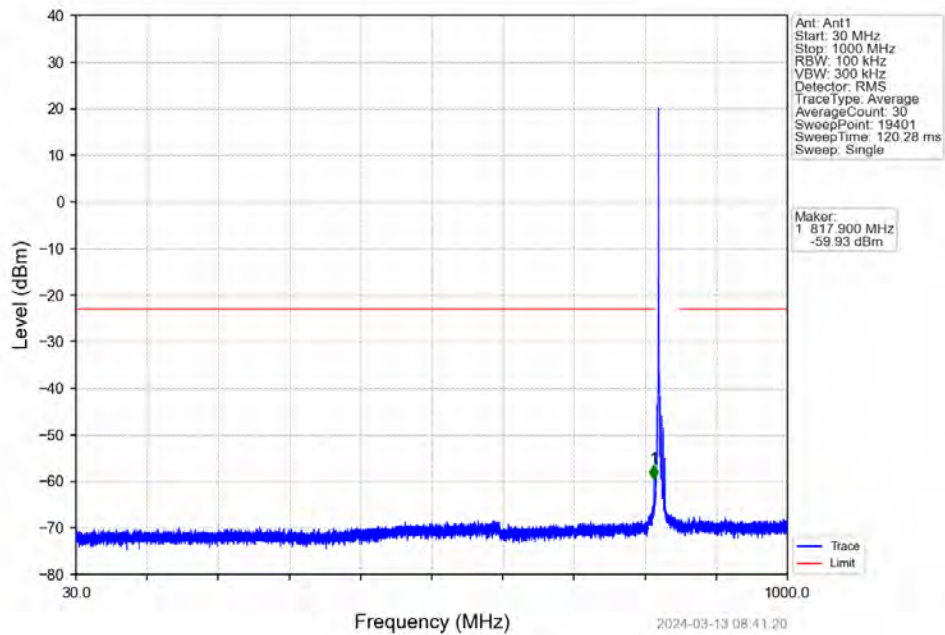
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Edge 1RB Left



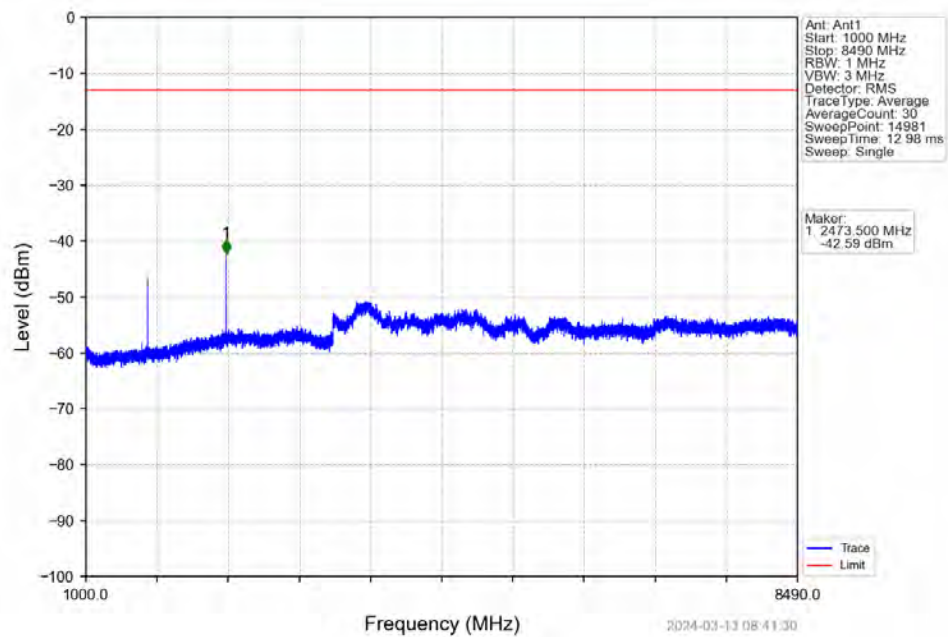
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Edge 1RB Left



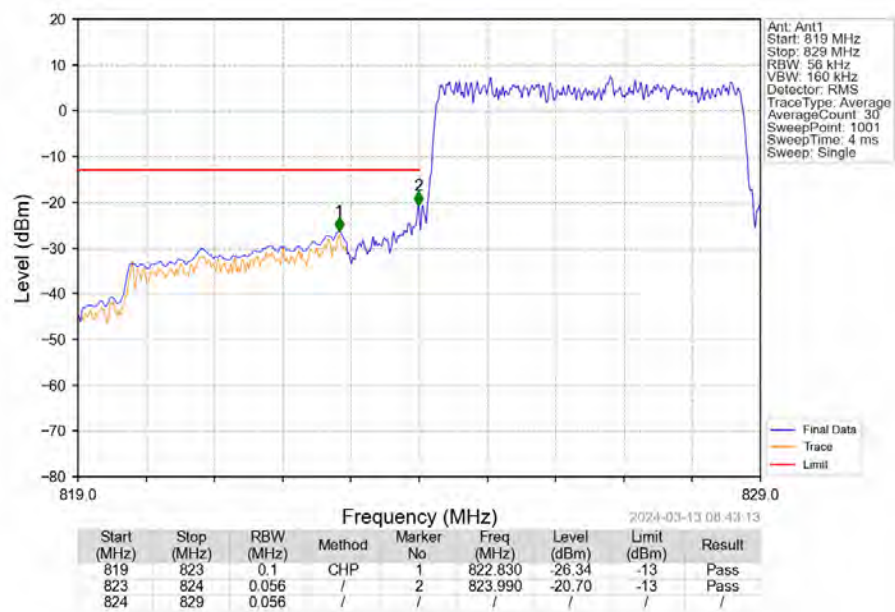
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Edge 1RB Left



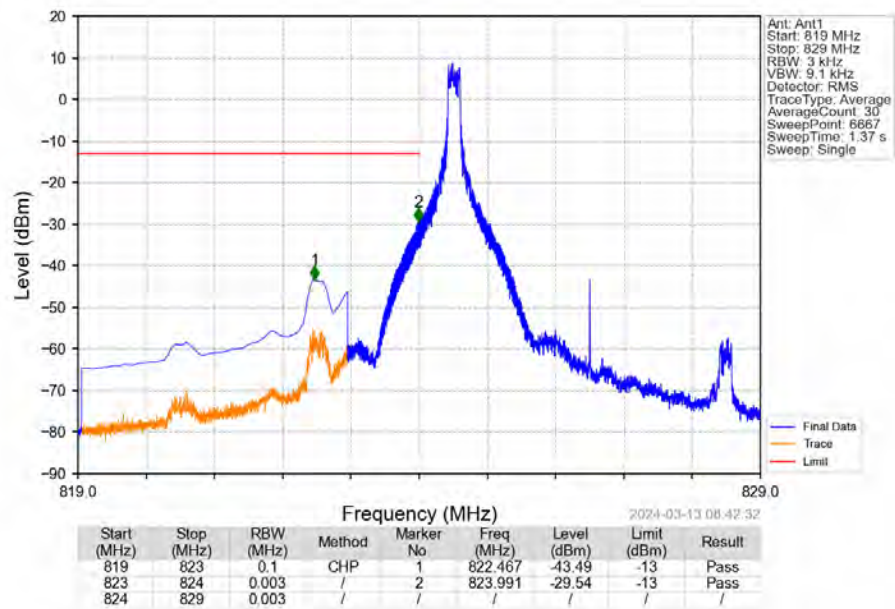
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Edge 1RB Left



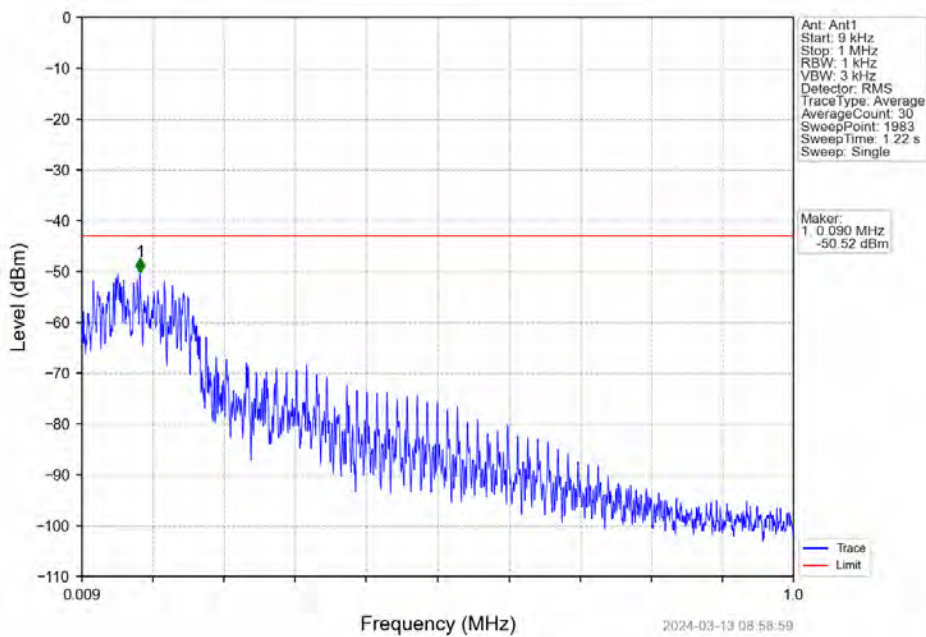
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Outer Full



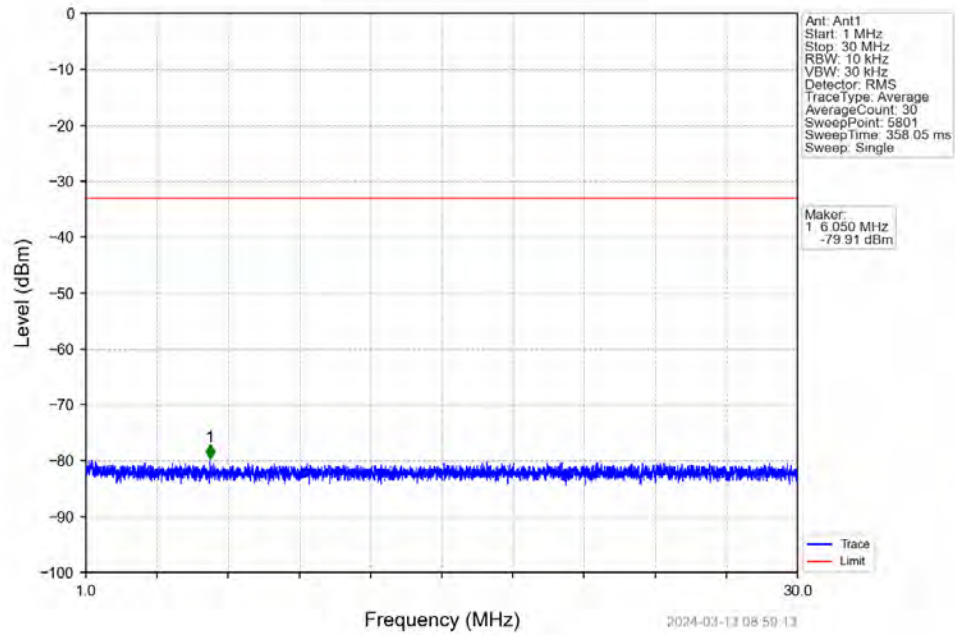
n5 15kHz SISO NTVN 5MHz DFT-s-OFDM QPSK 826.5MHz Inner 1RB Left



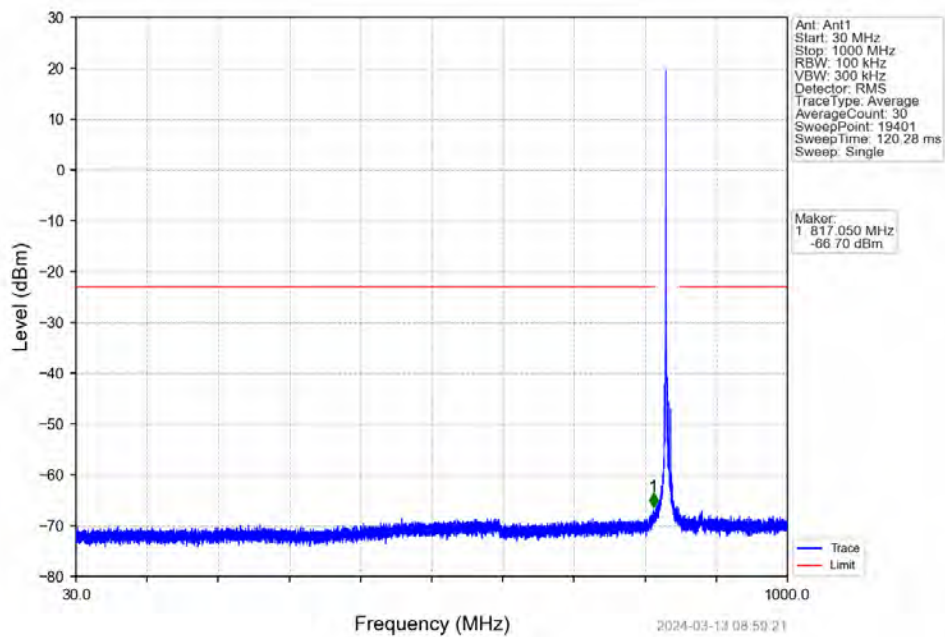
n5 15kHz SISO NTVN 5MHz DFT-s-OFDM QPSK 836.5MHz Edge 1RB Left



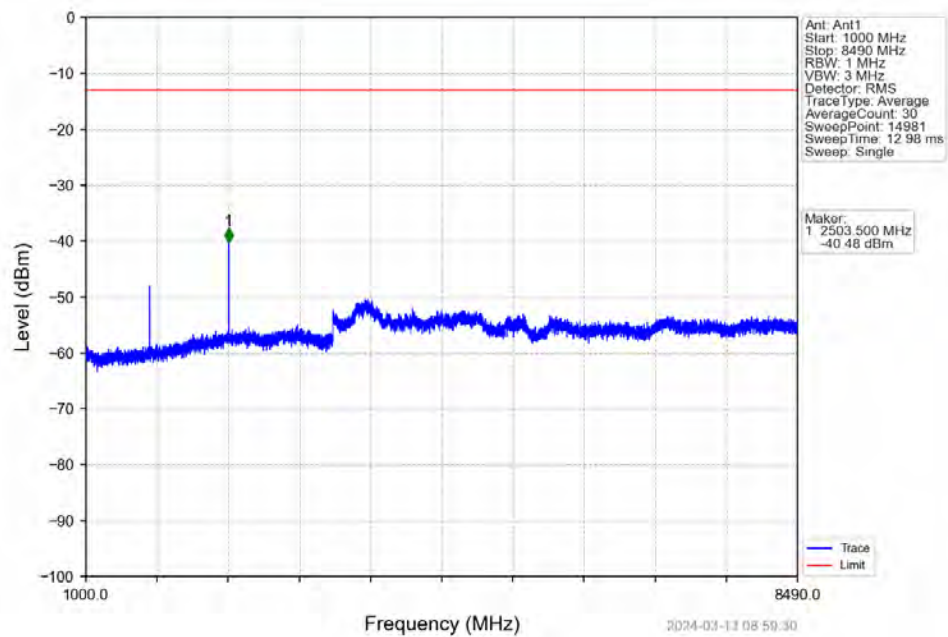
n5 15kHz SISO NTV 5MHz DFT-s-OFDM QPSK 836.5MHz Edge 1RB Left



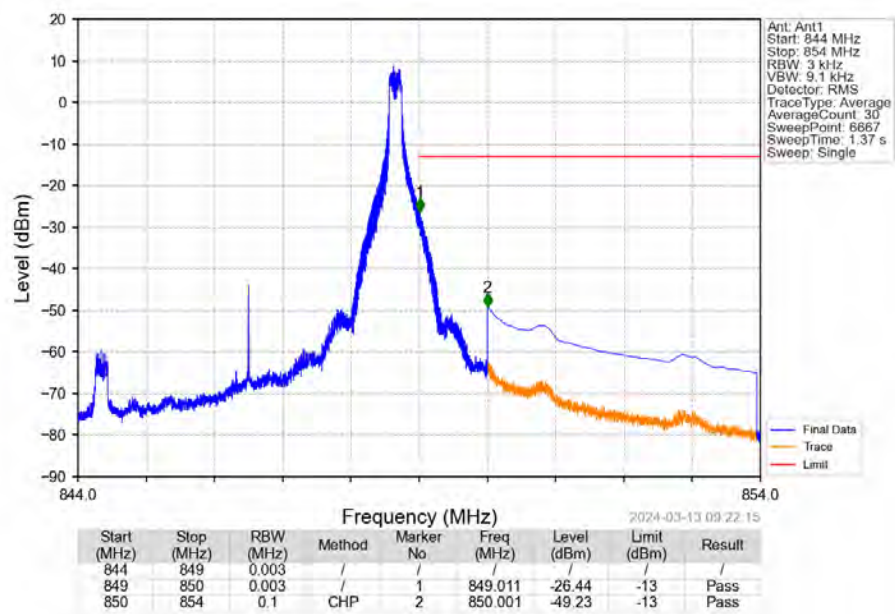
n5 15kHz SISO NTV 5MHz DFT-s-OFDM QPSK 836.5MHz Edge 1RB Left



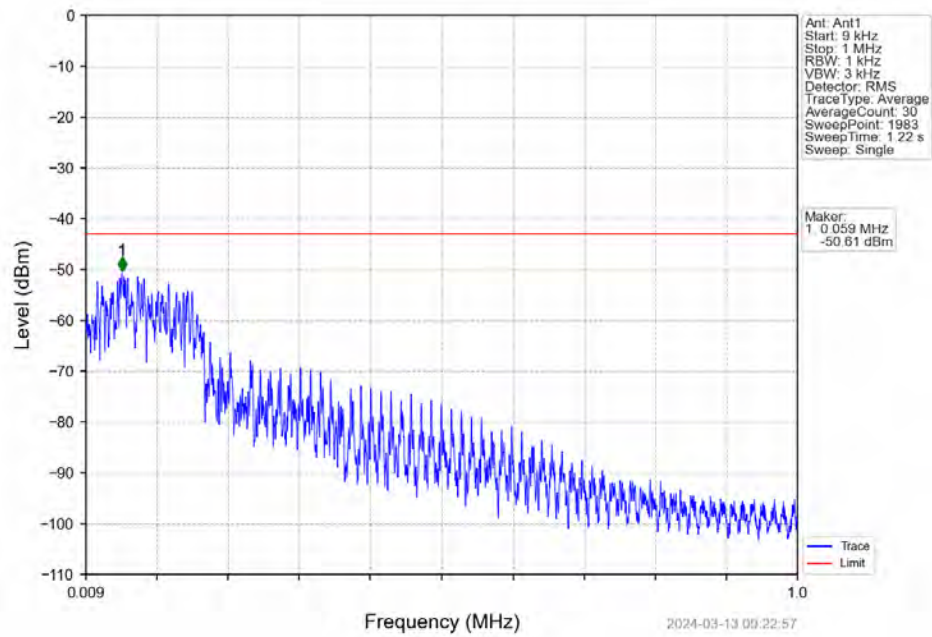
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 836.5MHz Edge 1RB Left



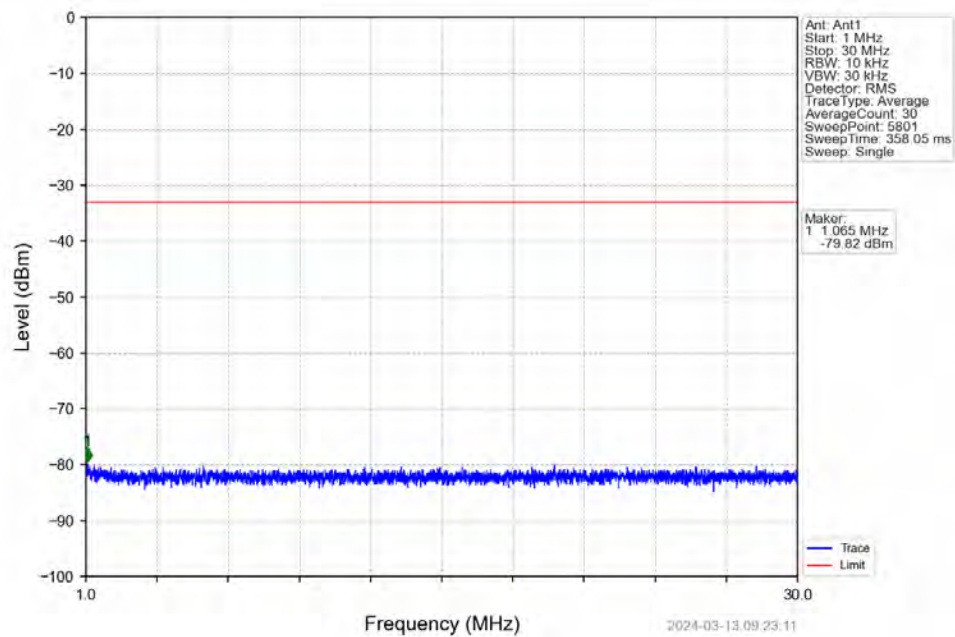
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Edge 1RB Right



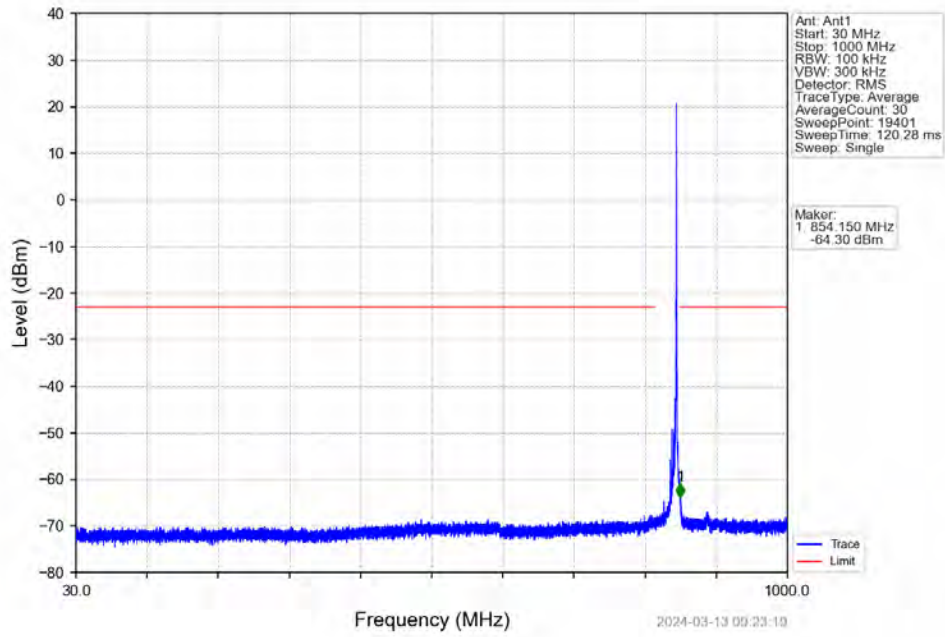
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Edge 1RB Right



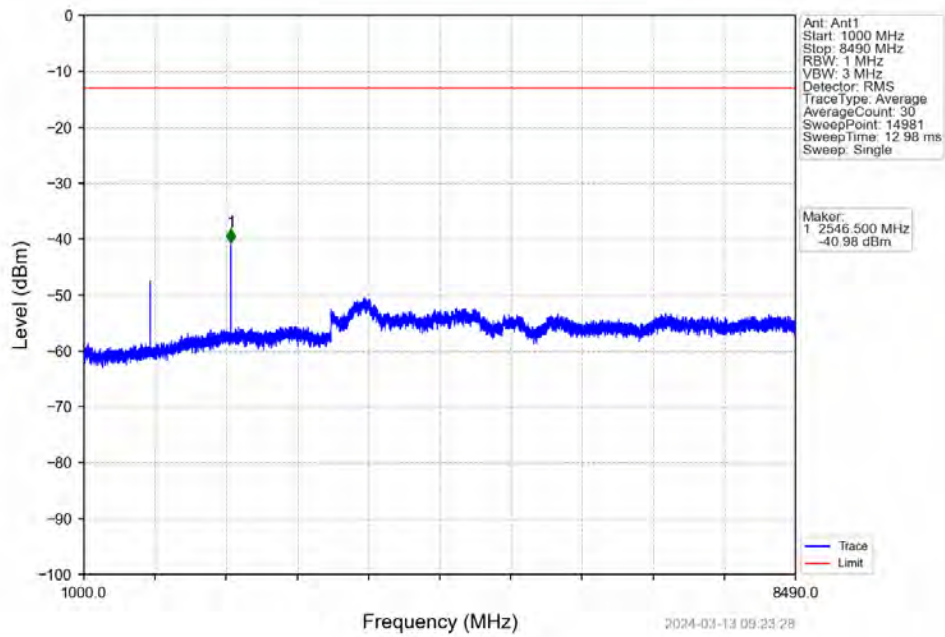
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Edge 1RB Right



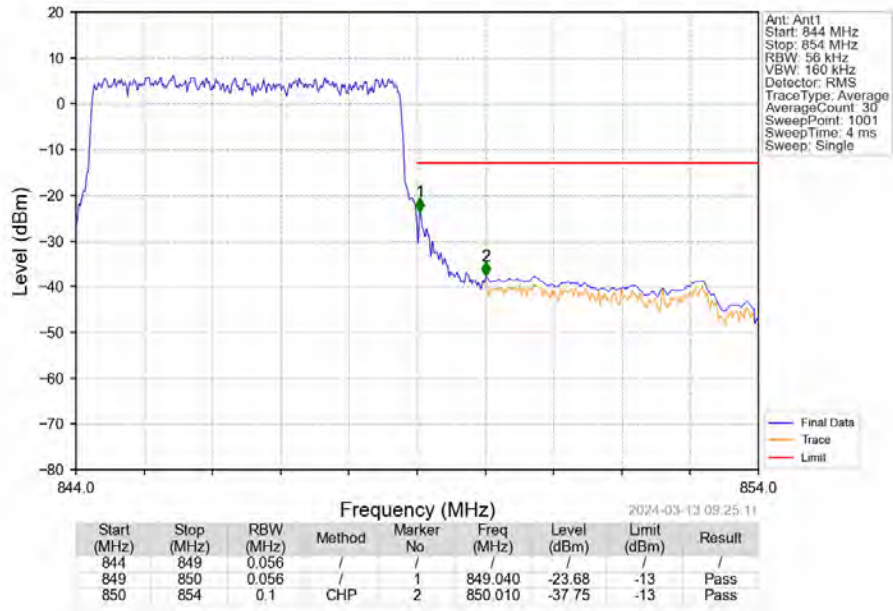
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Edge 1RB Right



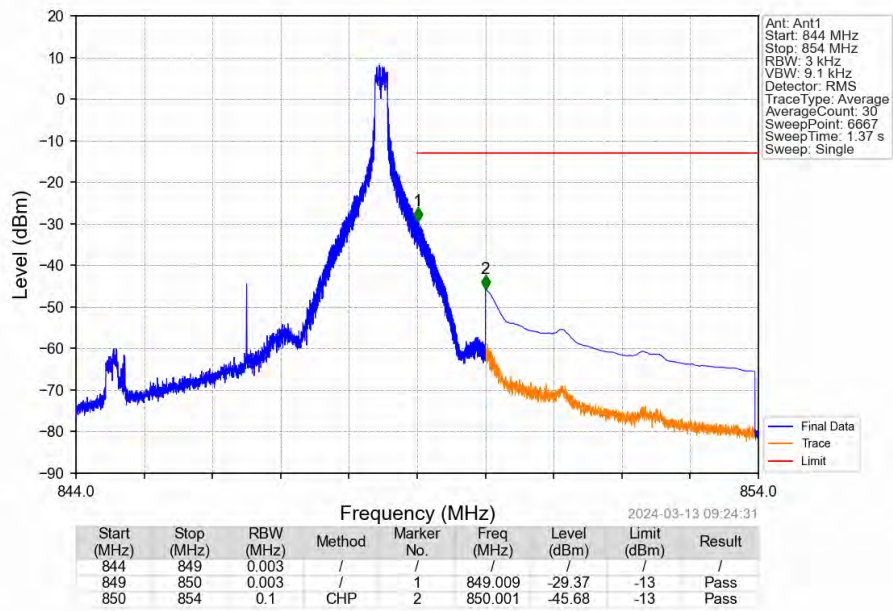
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Edge 1RB Right



n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Outer Full



n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Inner 1RB Right

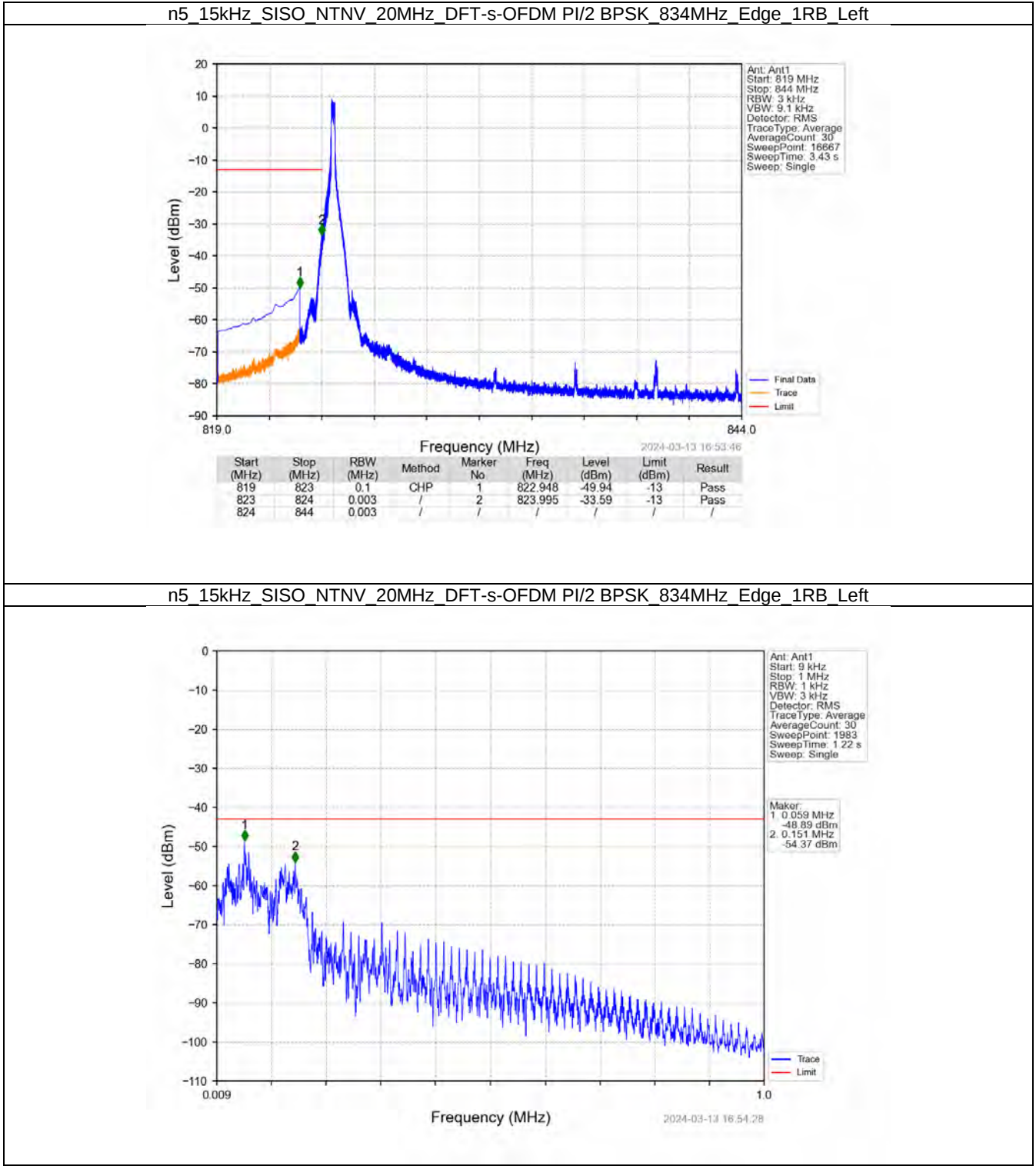


5.4 15k_SISO_20MHz_NTNV

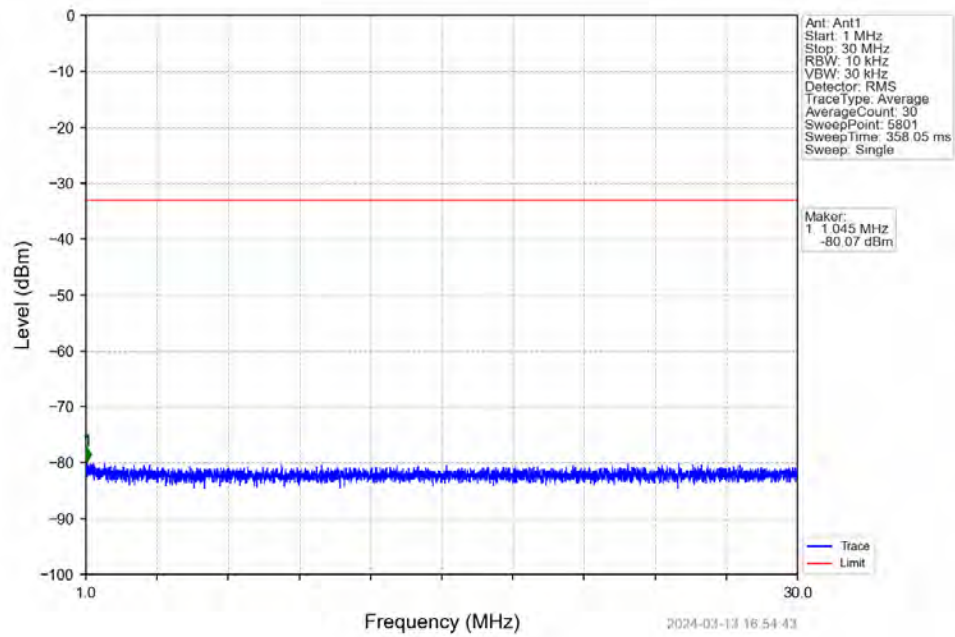
5.4.1 Test Result

5G NR n5 SCS=15kHz SISO 20MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	834	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass	
		839	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	834	Edge_1RB_Left	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Left			Refer To Test Graph				Pass	
836.5		Edge_1RB_Left	Refer To Test Graph				Pass	
		839	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Right			Refer To Test Graph				Pass	

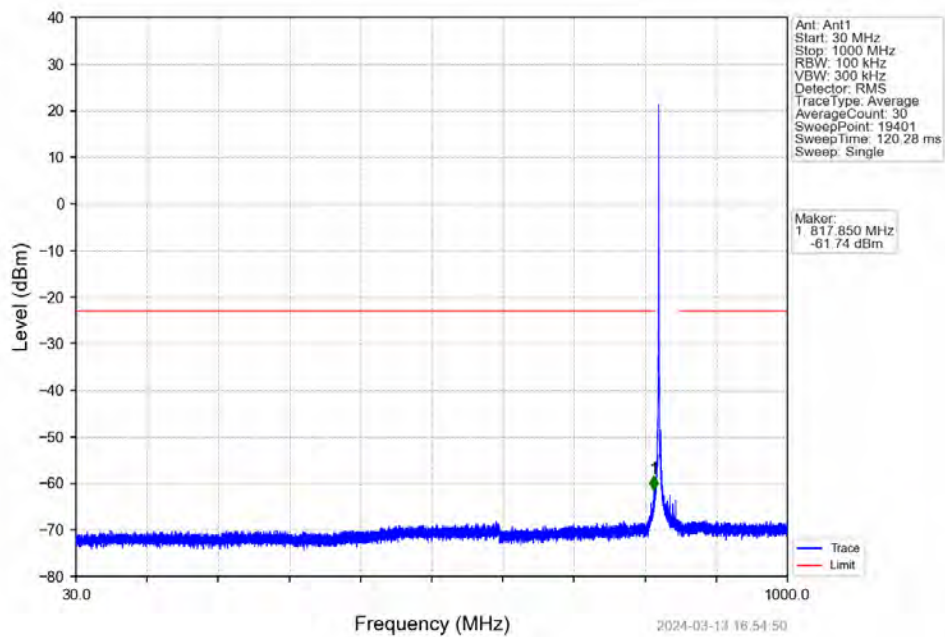
5.4.2 Test Graph



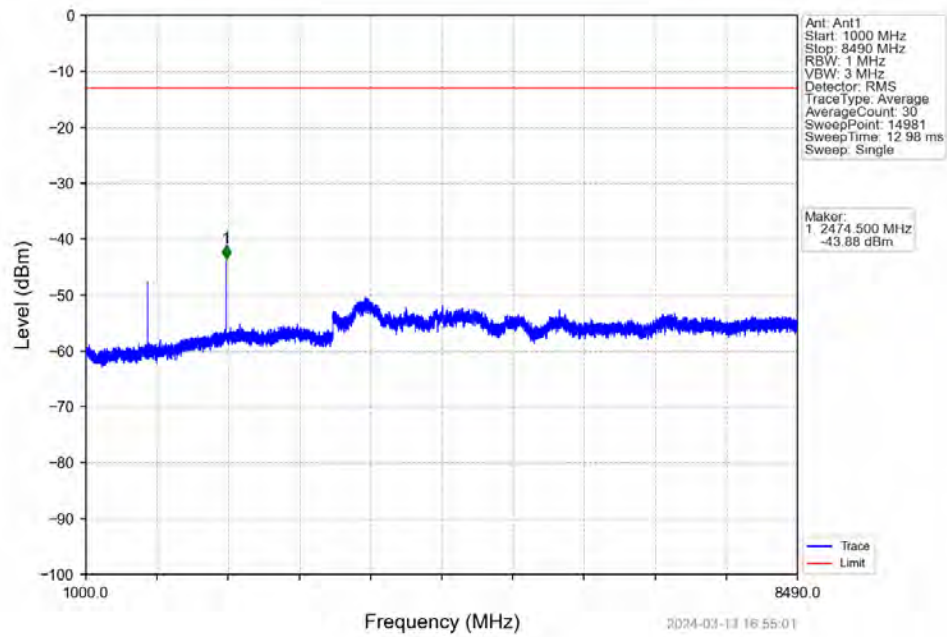
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 834MHz Edge 1RB Left



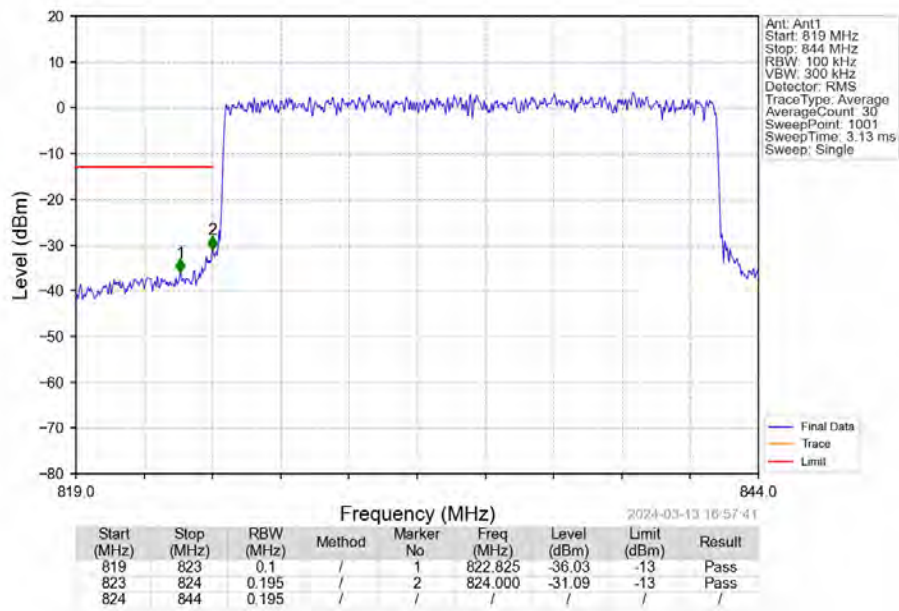
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 834MHz Edge 1RB Left



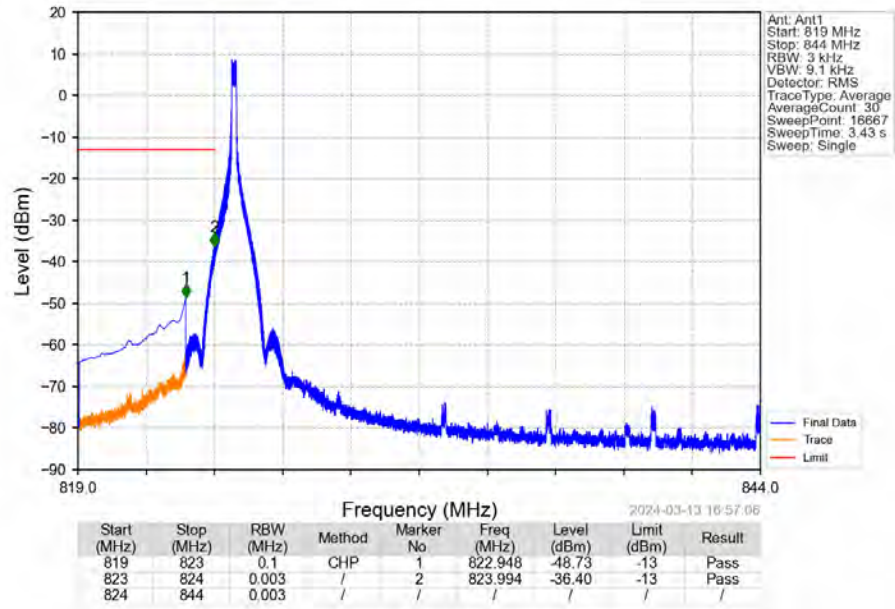
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 834MHz Edge 1RB Left



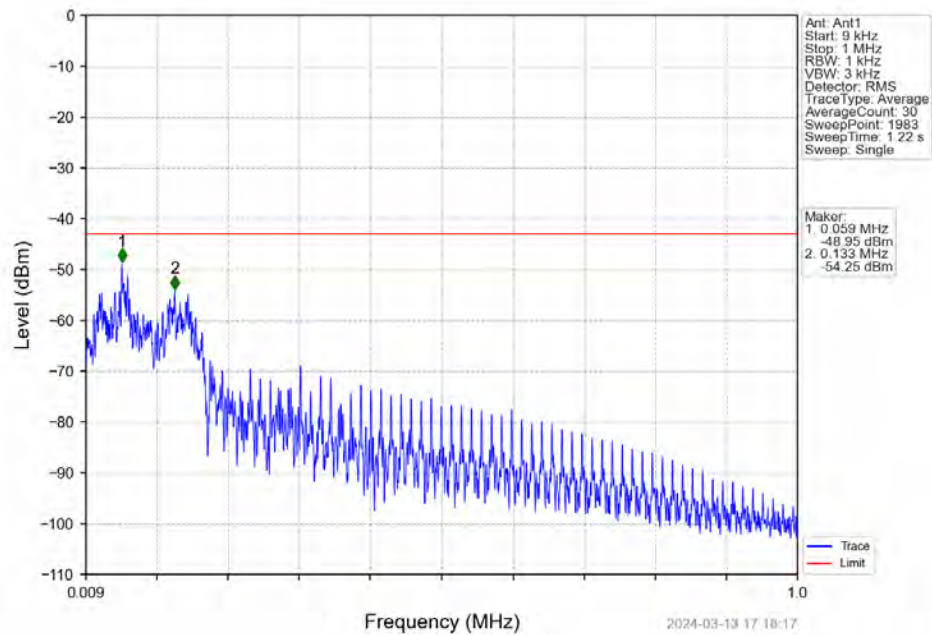
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 834MHz Outer Full



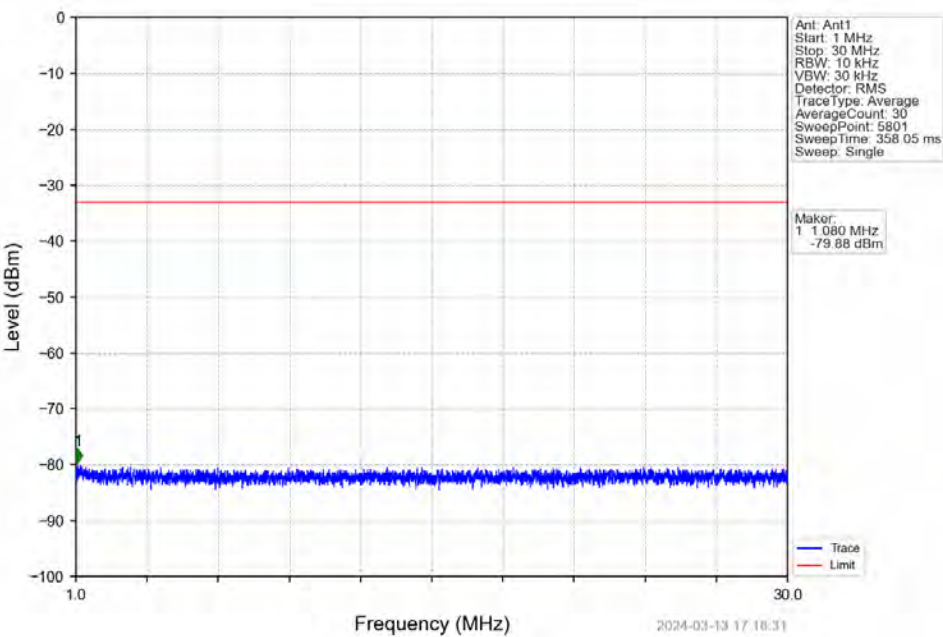
n5 15kHz SISO NTV 20MHz DFT-s-OFDM PI/2 BPSK 834MHz Inner 1RB Left



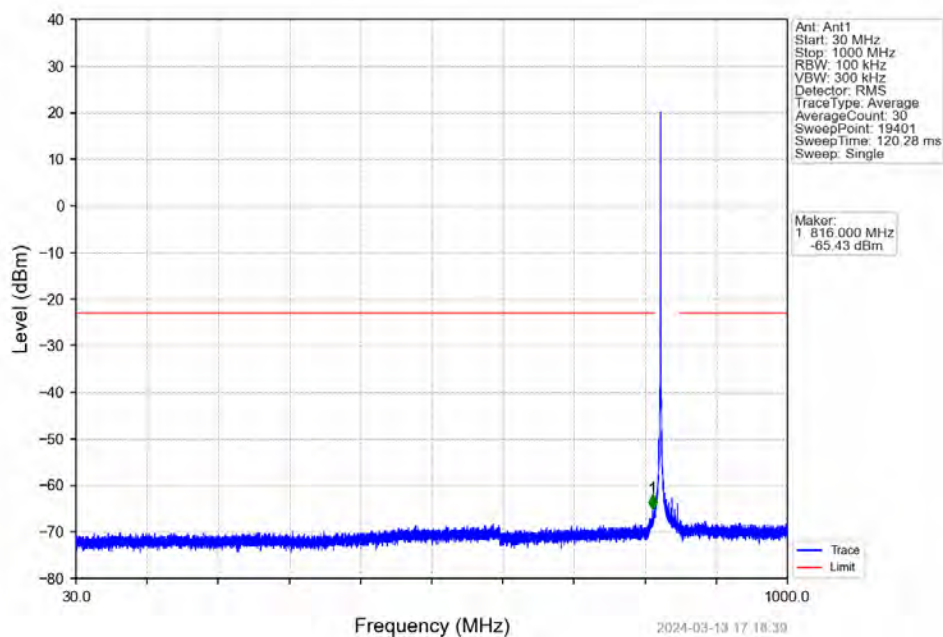
n5 15kHz SISO NTV 20MHz DFT-s-OFDM PI/2 BPSK 836.5MHz Edge 1RB Left



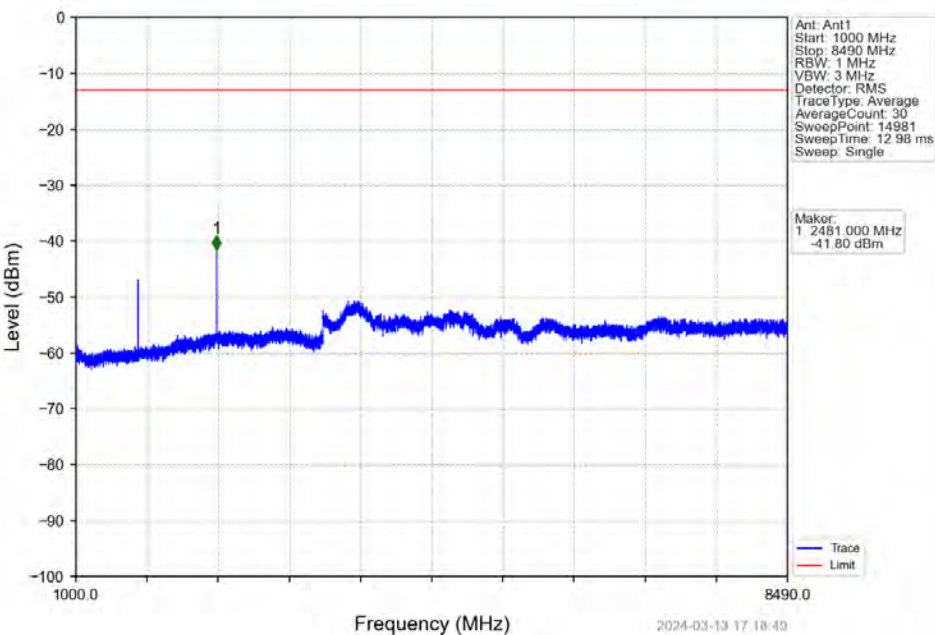
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_836.5MHz_Edge_1RB_Left



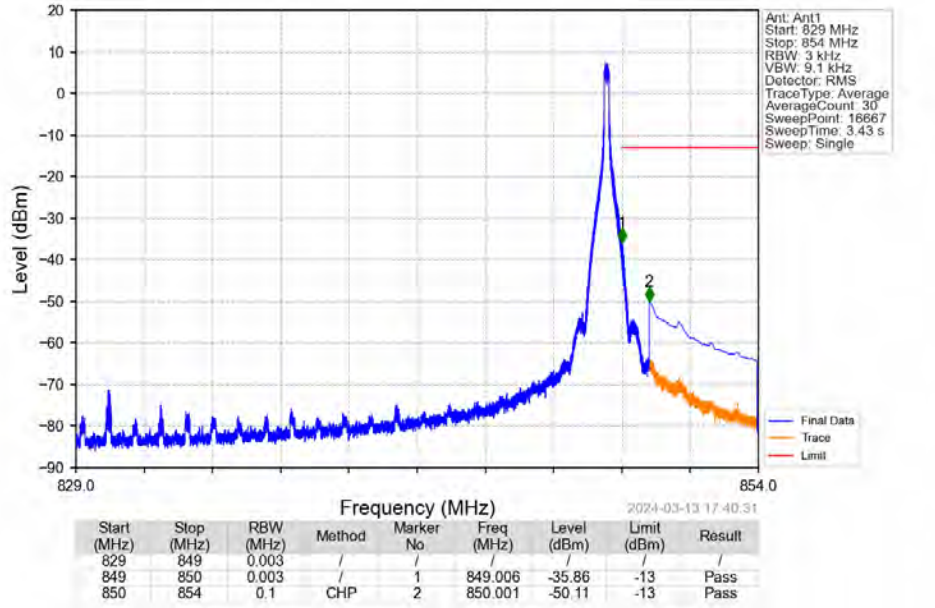
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_836.5MHz_Edge_1RB_Left



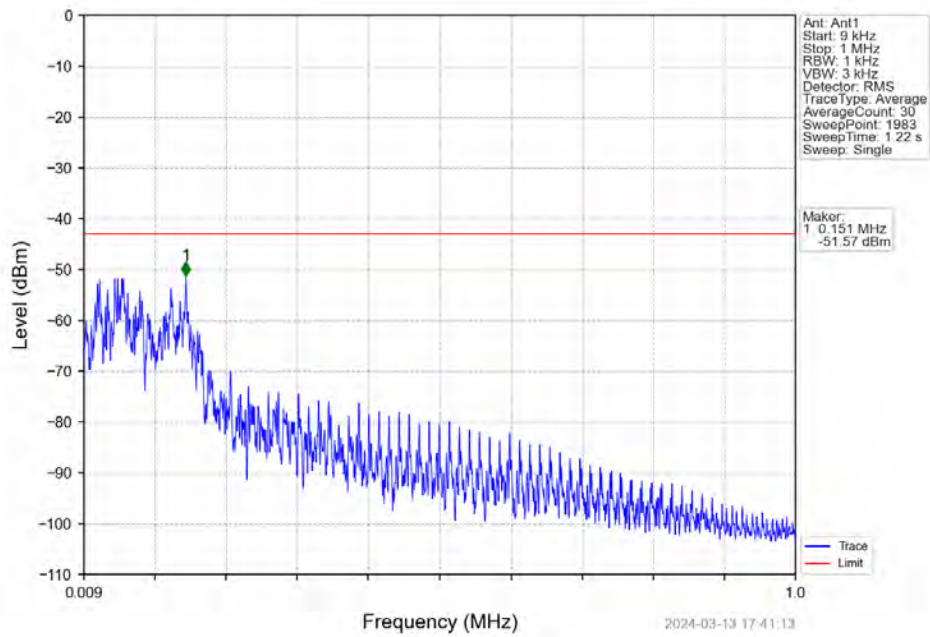
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_836.5MHz_Edge_1RB_Left



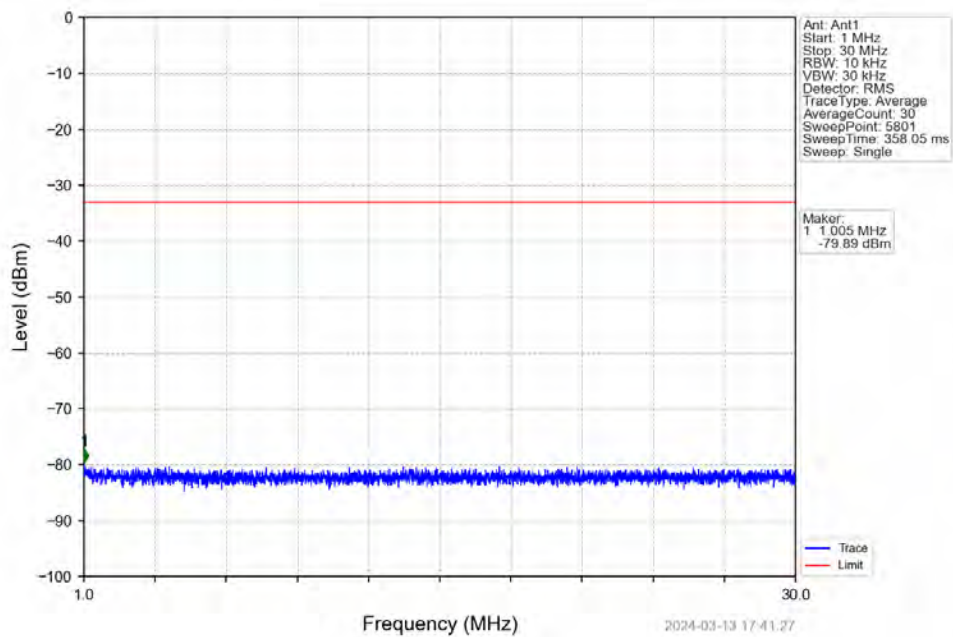
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_839MHz_Edge_1RB_Right



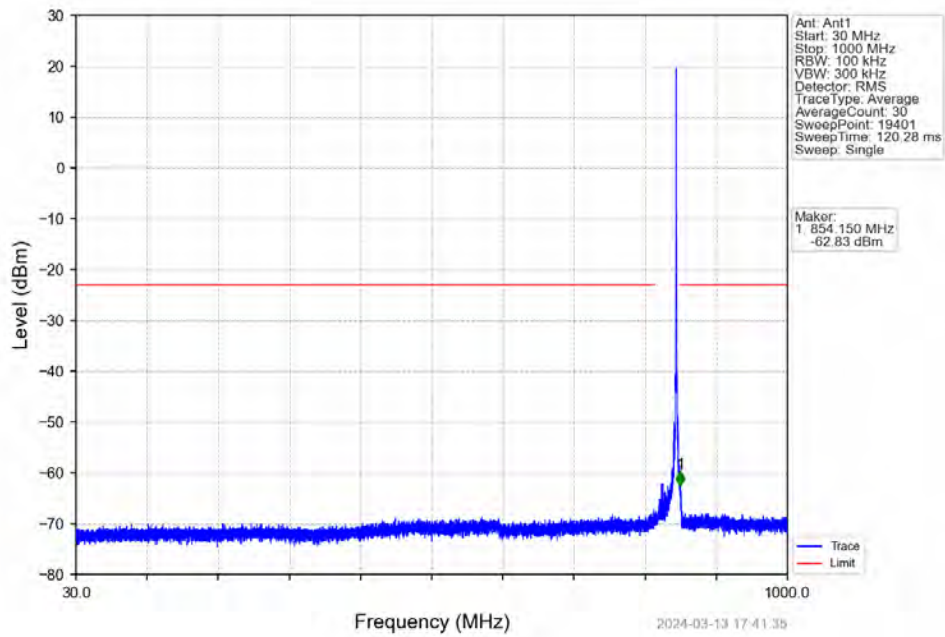
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_839MHz_Edge_1RB_Right



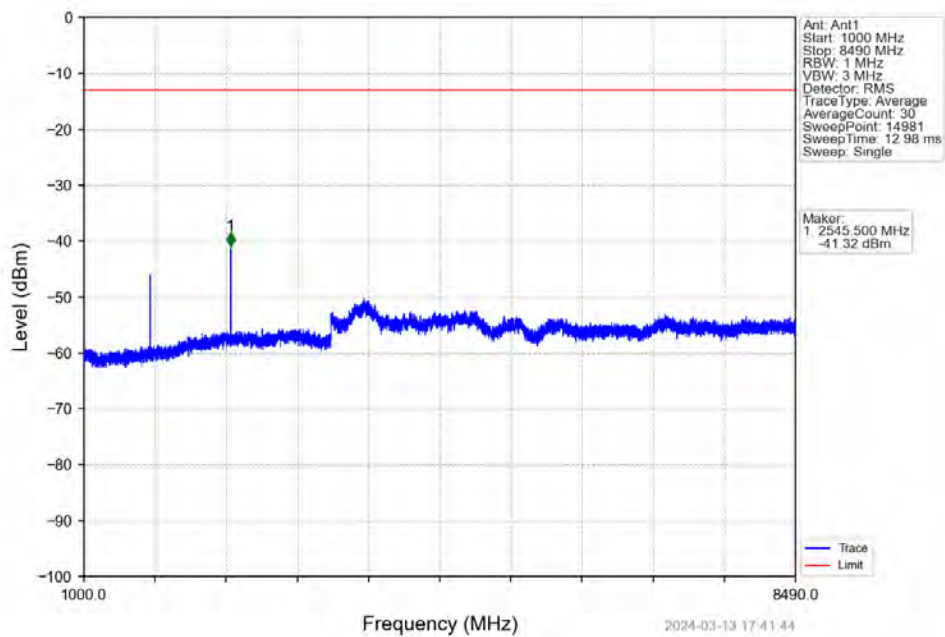
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_839MHz_Edge_1RB_Right



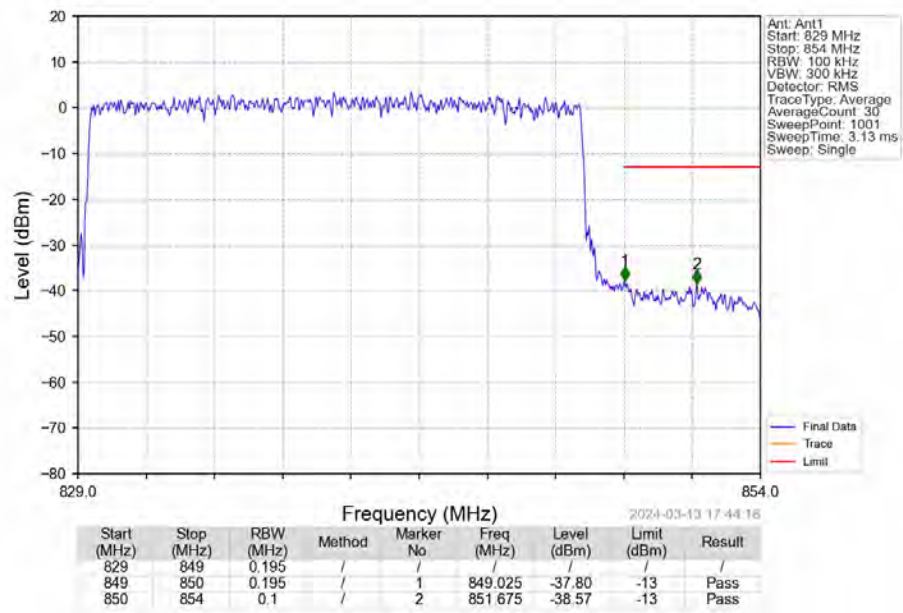
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 839MHz Edge 1RB Right



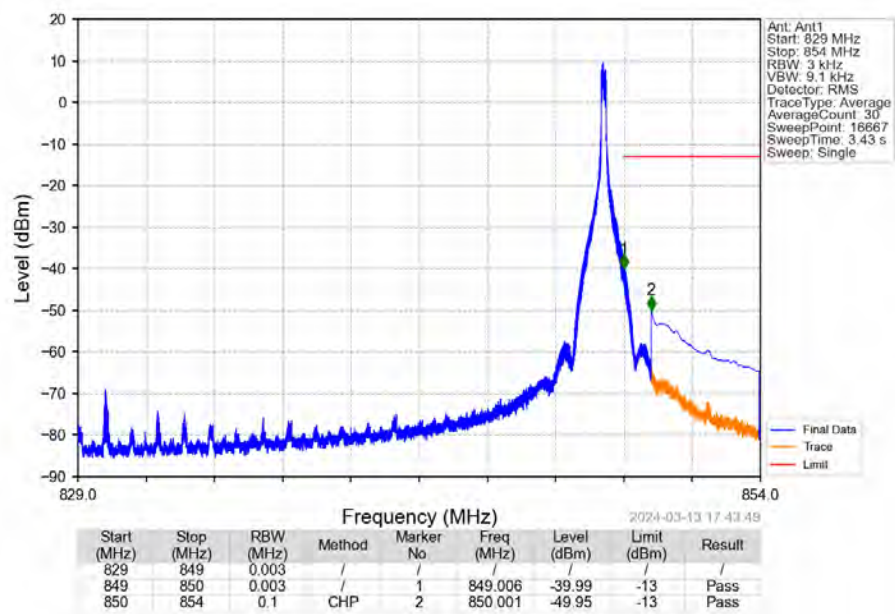
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 839MHz Edge 1RB Right



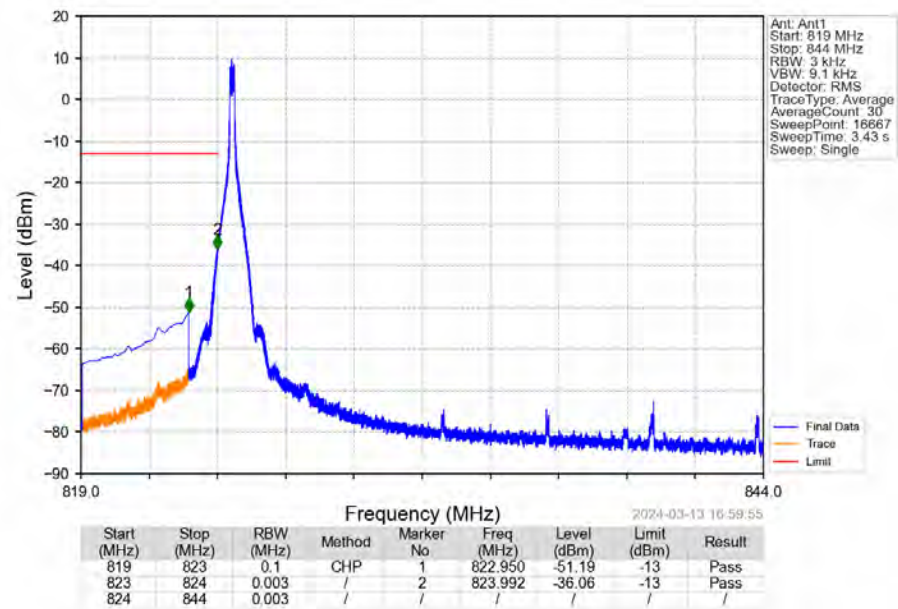
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 839MHz Outer Full



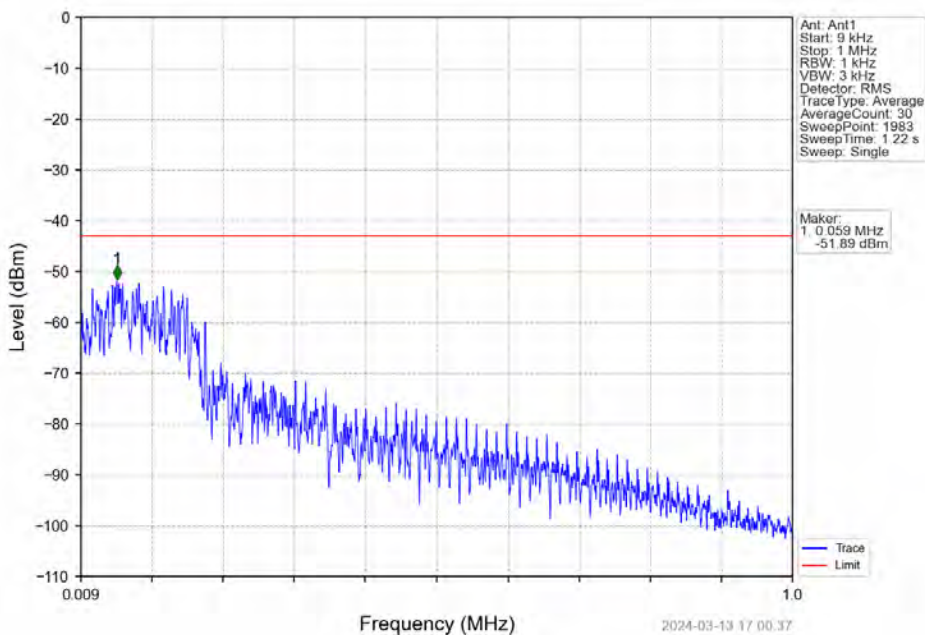
n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 839MHz Inner 1RB Right



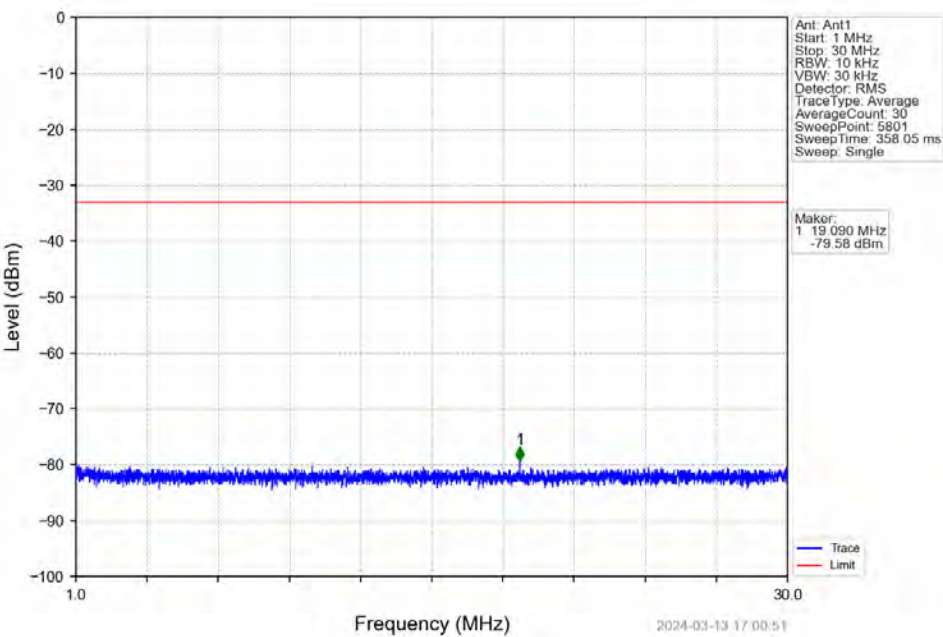
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_834MHz_Edge_1RB_Left



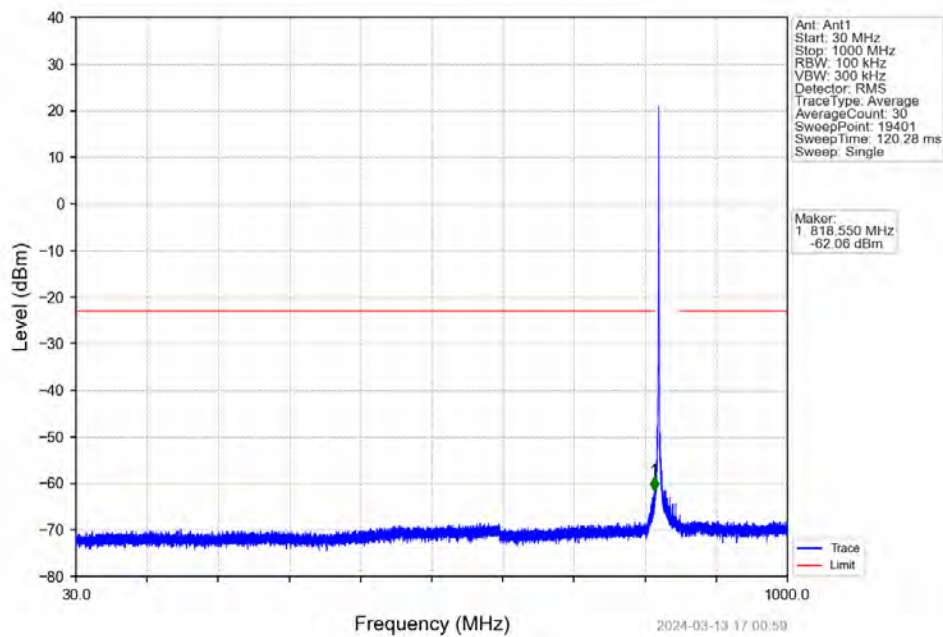
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_834MHz_Edge_1RB_Left



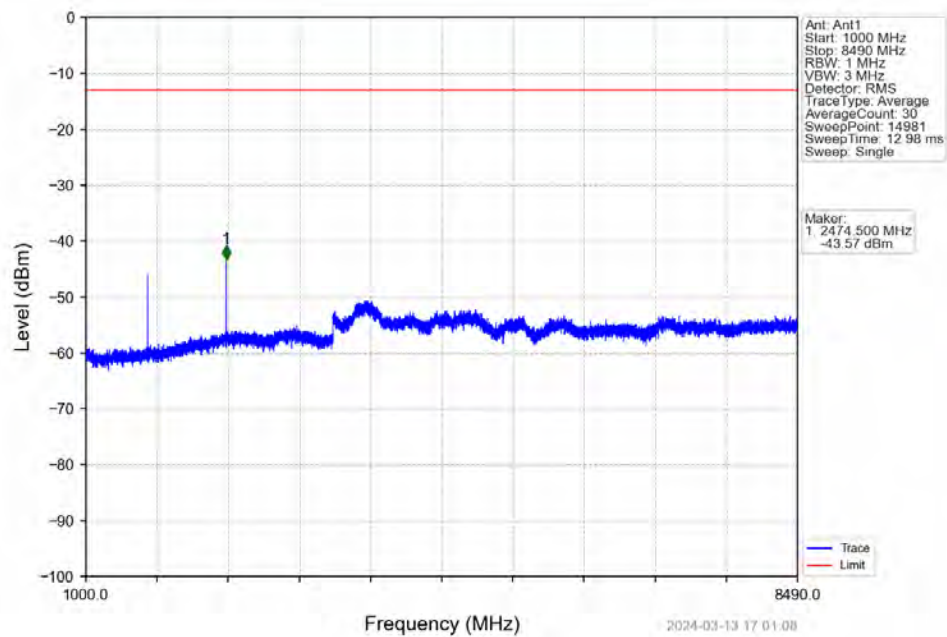
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_834MHz_Edge_1RB_Left



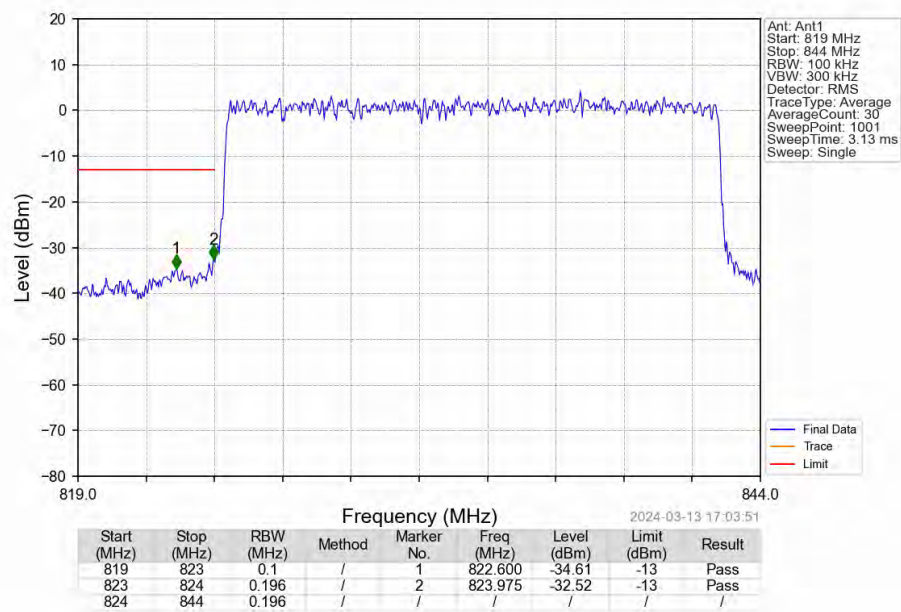
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_834MHz_Edge_1RB_Left



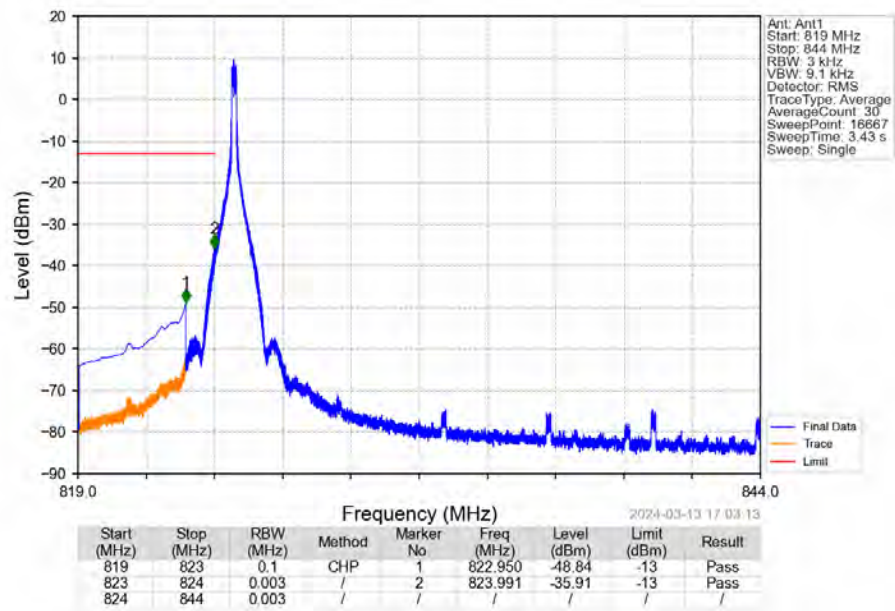
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_834MHz_Edge_1RB_Left



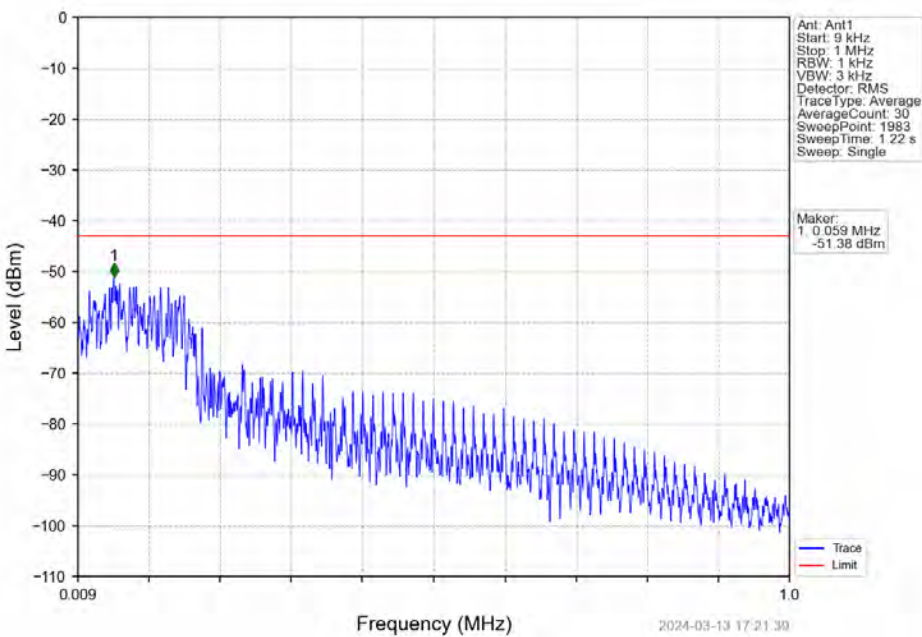
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_834MHz_Outer_Full



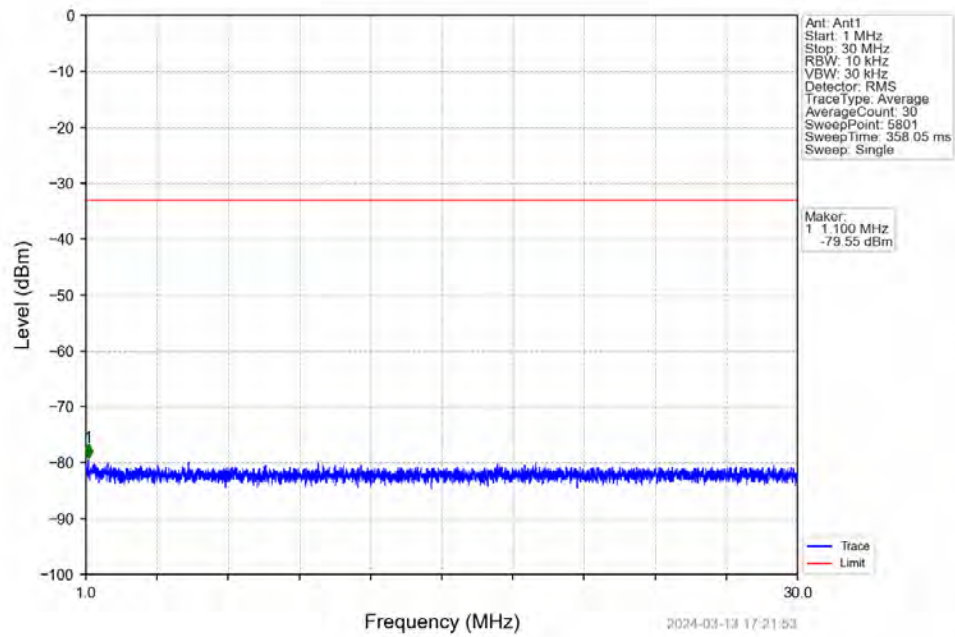
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 834MHz Inner 1RB Left



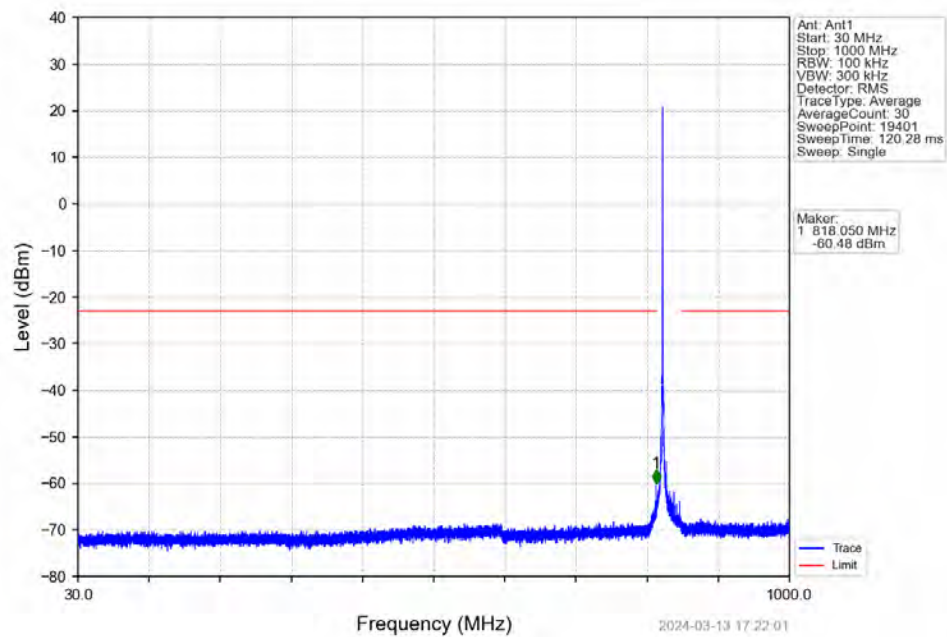
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 836.5MHz Edge 1RB Left



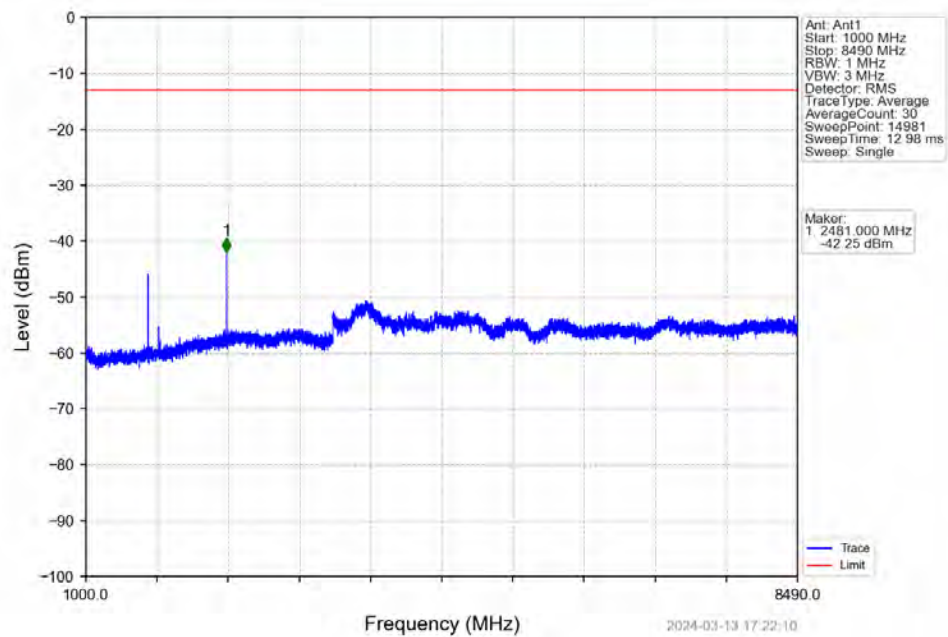
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 836.5MHz Edge 1RB Left



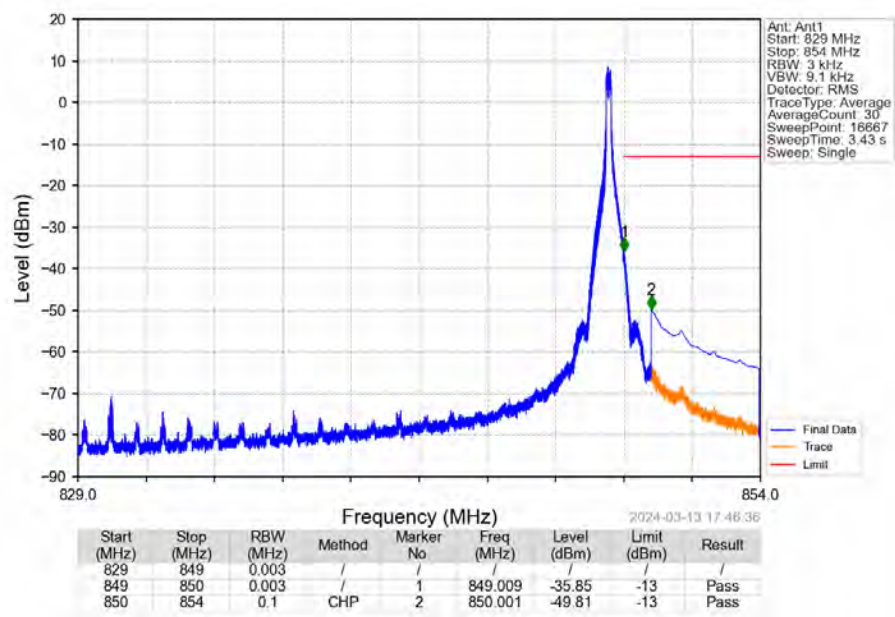
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 836.5MHz Edge 1RB Left



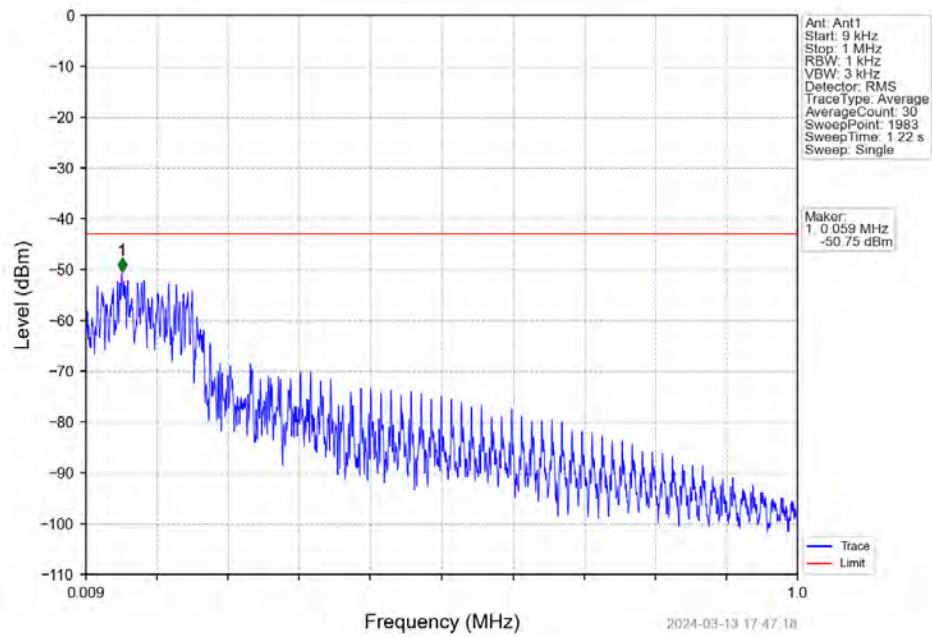
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 836.5MHz Edge 1RB Left



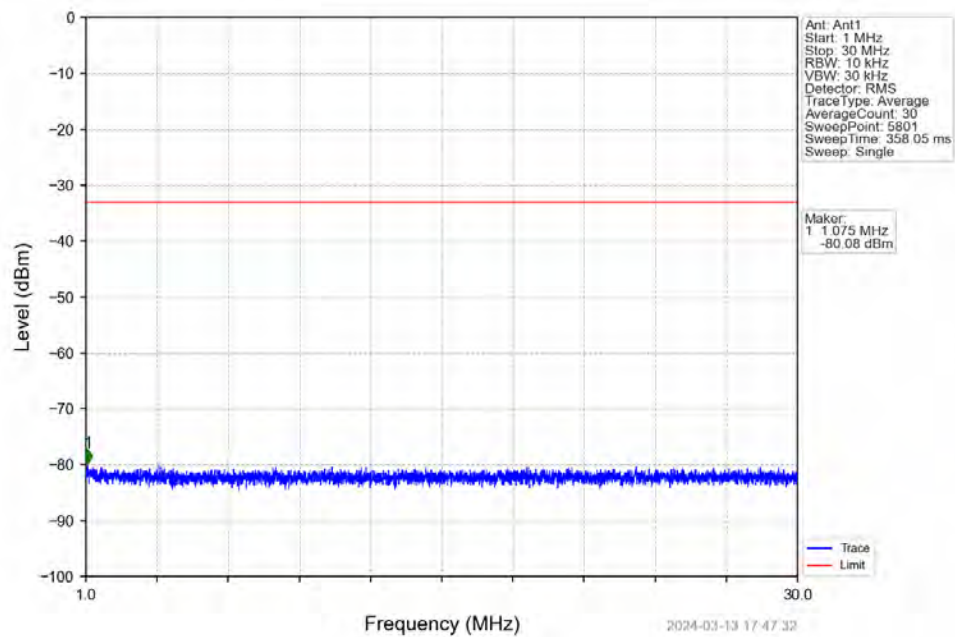
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 839MHz Edge 1RB Right



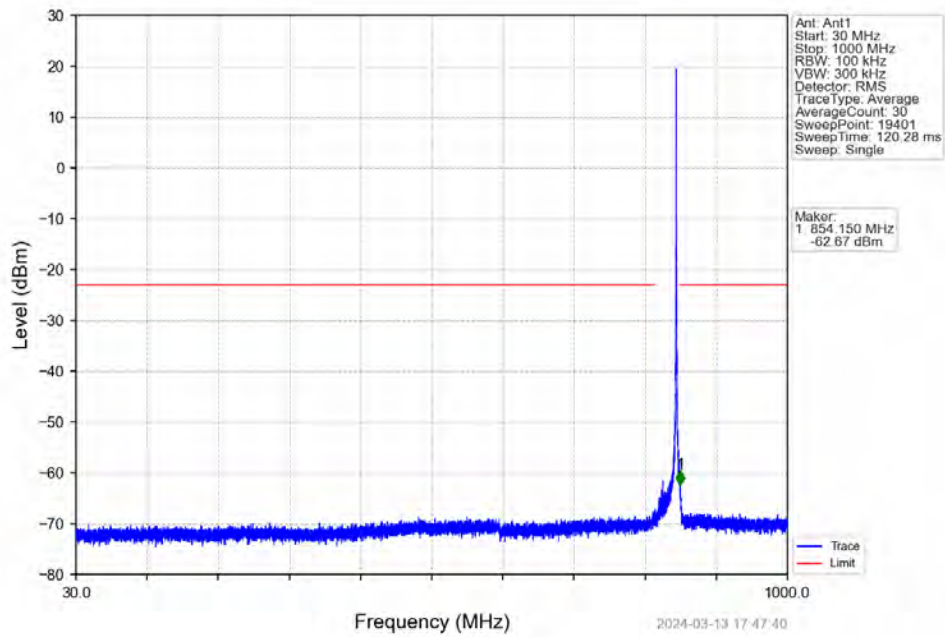
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 839MHz Edge 1RB Right



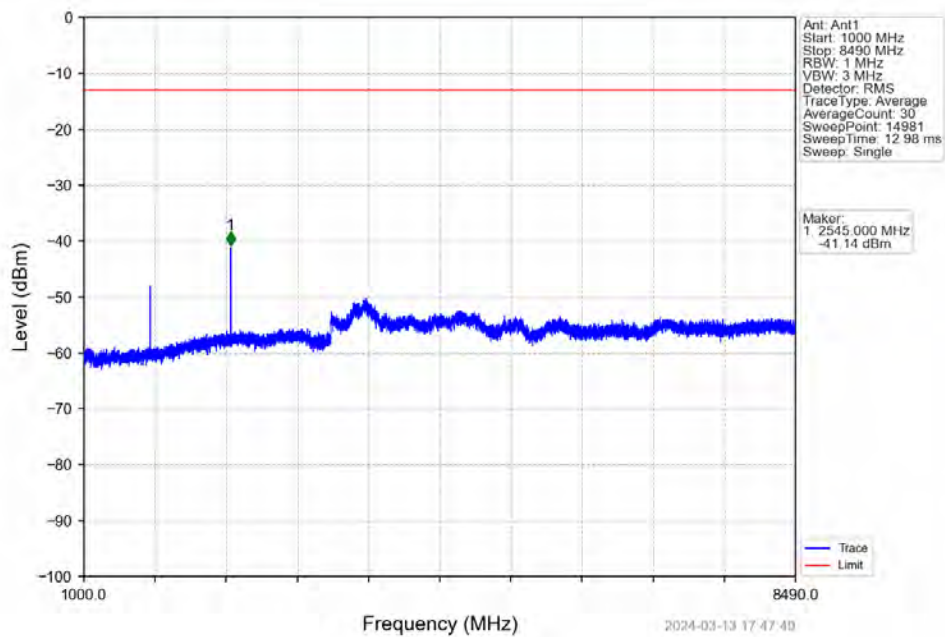
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 839MHz Edge 1RB Right



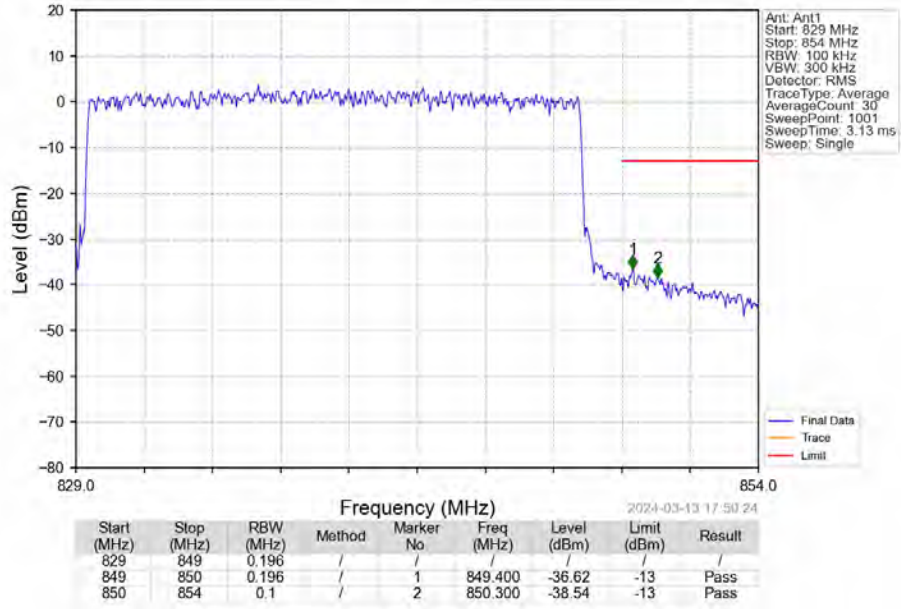
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 839MHz Edge 1RB Right



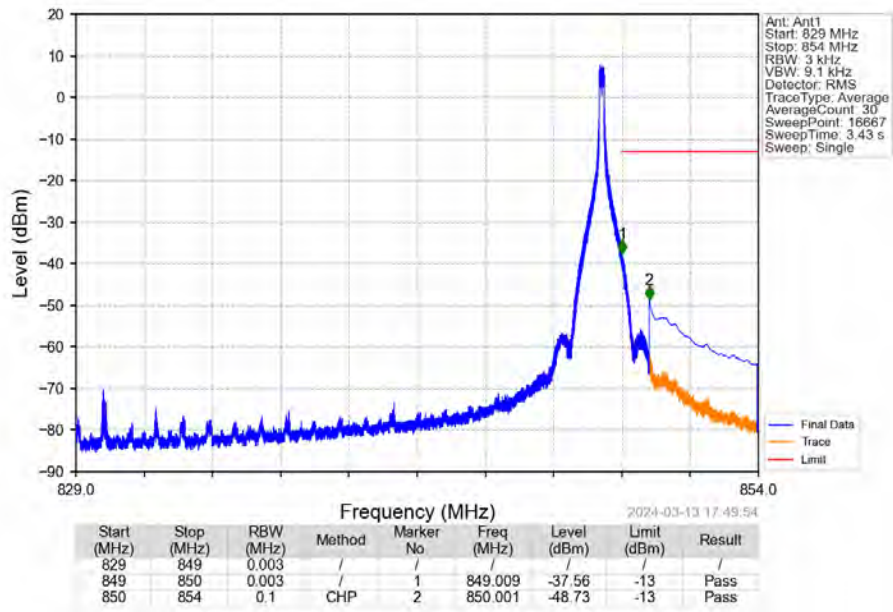
n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 839MHz Edge 1RB Right



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_839MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_839MHz_Inner_1RB_Right



6. Field Strength of Spurious Radiation

SA Band 5-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1650.0	-70.49	-13	-57.49	-73.37	2.62	5.5	Horizontal	Pass
2475.0	-58.83	-13	-45.83	-61.53	3.06	5.76	Horizontal	Pass
3300.0	-66.93	-13	-53.93	-71.3	3.3	7.67	Horizontal	Pass
1650.0	-70.37	-13	-57.37	-73.25	2.62	5.5	Vertical	Pass
2475.0	-47.95	-13	-34.95	-50.65	3.06	5.76	Vertical	Pass
3300.0	-67.51	-13	-54.51	-71.88	3.3	7.67	Vertical	Pass

SA Band 5-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1655.0	-71.34	-13	-58.34	-74.21	2.62	5.49	Horizontal	Pass
2482.5	-69.85	-13	-56.85	-72.56	3.07	5.78	Horizontal	Pass
3310.0	-68.08	-13	-55.08	-72.48	3.3	7.7	Horizontal	Pass
1655.0	-71.86	-13	-58.86	-74.73	2.62	5.49	Vertical	Pass
2482.5	-60.42	-13	-47.42	-63.13	3.07	5.78	Vertical	Pass
3310.0	-67.71	-13	-54.71	-72.11	3.3	7.7	Vertical	Pass

SA Band 5-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1660.0	-70.79	-13	-57.79	-73.65	2.62	5.48	Horizontal	Pass
2490.0	-57.93	-13	-44.93	-60.66	3.07	5.8	Horizontal	Pass
3320.0	-67.21	-13	-54.21	-71.62	3.31	7.72	Horizontal	Pass
1660.0	-70.97	-13	-57.97	-73.83	2.62	5.48	Vertical	Pass
2490.0	-45.98	-13	-32.98	-48.71	3.07	5.8	Vertical	Pass
3320.0	-66.96	-13	-53.96	-71.37	3.31	7.72	Vertical	Pass

NSA DC_2A_n5A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3300.0	-67.07	-13	-54.07	-71.44	3.3	7.67	Horizontal	Pass
4125.0	-64.05	-13	-51.05	-69.06	3.97	8.98	Horizontal	Pass
4950.0	-62.96	-13	-49.96	-68.48	4.55	10.07	Horizontal	Pass
3300.0	-66.9	-13	-53.9	-71.27	3.3	7.67	Vertical	Pass
4125.0	-64.91	-13	-51.91	-69.92	3.97	8.98	Vertical	Pass
4950.0	-62.47	-13	-49.47	-67.99	4.55	10.07	Vertical	Pass

NSA DC_2A_n5A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3310.0	-67.61	-13	-54.61	-72.01	3.3	7.7	Horizontal	Pass
4137.5	-65.95	-13	-52.95	-70.96	3.98	8.99	Horizontal	Pass
4965.0	-63.38	-13	-50.38	-68.92	4.55	10.09	Horizontal	Pass
3310.0	-67.66	-13	-54.66	-72.06	3.3	7.7	Vertical	Pass
4137.5	-66.14	-13	-53.14	-71.15	3.98	8.99	Vertical	Pass
4965.0	-63.21	-13	-50.21	-68.75	4.55	10.09	Vertical	Pass

NSA DC_2A_n5A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3320.0	-67.45	-13	-54.45	-71.86	3.31	7.72	Horizontal	Pass
4150.0	-65.76	-13	-52.76	-70.78	3.99	9.01	Horizontal	Pass
4980.0	-63.07	-13	-50.07	-68.62	4.56	10.11	Horizontal	Pass
3320.0	-67.24	-13	-54.24	-71.65	3.31	7.72	Vertical	Pass
4150.0	-65.96	-13	-52.96	-70.98	3.99	9.01	Vertical	Pass
4980.0	-63.39	-13	-50.39	-68.94	4.56	10.11	Vertical	Pass