

1. Effective (Isotropic) Radiated Power Output Data

1.1 15k_SISO_5MHz_NTNV_EIRP

1.1.1 Test Result

5G NR n2 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1852.5	Edge_1RB_Left	23.27	/	/	24.47	/	/	<=33	Pass
		Edge_1RB_Right	23.17	/	/	24.37	/	/	<=33	Pass
		Outer_Full	23.18	/	/	24.38	/	/	<=33	Pass
		Inner_Full	23.24	/	/	24.44	/	/	<=33	Pass
		Inner_1RB_Left	23.26	/	/	24.46	/	/	<=33	Pass
		Inner_1RB_Right	23.18	/	/	24.38	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.30	/	/	24.50	/	/	<=33	Pass
		Edge_1RB_Right	23.27	/	/	24.47	/	/	<=33	Pass
		Outer_Full	23.32	/	/	24.52	/	/	<=33	Pass
		Inner_Full	23.34	/	/	24.54	/	/	<=33	Pass
		Inner_1RB_Left	23.36	/	/	24.56	/	/	<=33	Pass
		Inner_1RB_Right	23.26	/	/	24.46	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	23.46	/	/	24.66	/	/	<=33	Pass
		Edge_1RB_Right	23.25	/	/	24.45	/	/	<=33	Pass
		Outer_Full	23.38	/	/	24.58	/	/	<=33	Pass
		Inner_Full	23.39	/	/	24.59	/	/	<=33	Pass
		Inner_1RB_Left	23.43	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Right	23.34	/	/	24.54	/	/	<=33	Pass
DFT-s-OFDM QPSK	1852.5	Edge_1RB_Left	23.34	/	/	24.54	/	/	<=33	Pass
		Edge_1RB_Right	23.11	/	/	24.31	/	/	<=33	Pass
		Outer_Full	23.26	/	/	24.46	/	/	<=33	Pass
		Inner_Full	23.28	/	/	24.48	/	/	<=33	Pass
		Inner_1RB_Left	23.18	/	/	24.38	/	/	<=33	Pass
		Inner_1RB_Right	23.18	/	/	24.38	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.28	/	/	24.48	/	/	<=33	Pass
		Edge_1RB_Right	23.22	/	/	24.42	/	/	<=33	Pass
		Outer_Full	23.38	/	/	24.58	/	/	<=33	Pass
		Inner_Full	23.35	/	/	24.55	/	/	<=33	Pass
		Inner_1RB_Left	23.32	/	/	24.52	/	/	<=33	Pass
		Inner_1RB_Right	23.23	/	/	24.43	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	23.35	/	/	24.55	/	/	<=33	Pass
		Edge_1RB_Right	23.23	/	/	24.43	/	/	<=33	Pass
		Outer_Full	23.38	/	/	24.58	/	/	<=33	Pass
		Inner_Full	23.38	/	/	24.58	/	/	<=33	Pass
		Inner_1RB_Left	23.36	/	/	24.56	/	/	<=33	Pass
		Inner_1RB_Right	23.26	/	/	24.46	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1852.5	Edge_1RB_Left	22.21	/	/	23.41	/	/	<=33	Pass
		Edge_1RB_Right	22.15	/	/	23.35	/	/	<=33	Pass
		Outer_Full	22.27	/	/	23.47	/	/	<=33	Pass
		Inner_Full	23.45	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Left	23.34	/	/	24.54	/	/	<=33	Pass
		Inner_1RB_Right	23.16	/	/	24.36	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.21	/	/	23.41	/	/	<=33	Pass
		Edge_1RB_Right	22.28	/	/	23.48	/	/	<=33	Pass
		Outer_Full	22.40	/	/	23.60	/	/	<=33	Pass
		Inner_Full	23.50	/	/	24.70	/	/	<=33	Pass
		Inner_1RB_Left	23.25	/	/	24.45	/	/	<=33	Pass
		Inner_1RB_Right	23.25	/	/	24.45	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	22.49	/	/	23.69	/	/	<=33	Pass

		Edge 1RB Right	22.41	/	/	23.61	/	/	<=33	Pass
		Outer Full	22.41	/	/	23.61	/	/	<=33	Pass
		Inner Full	23.53	/	/	24.73	/	/	<=33	Pass
		Inner 1RB Left	23.36	/	/	24.56	/	/	<=33	Pass
		Inner 1RB Right	23.29	/	/	24.49	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1852.5	Edge 1RB Left	21.89	/	/	23.09	/	/	<=33	Pass
		Edge 1RB Right	21.72	/	/	22.92	/	/	<=33	Pass
		Outer Full	21.72	/	/	22.92	/	/	<=33	Pass
		Inner Full	21.82	/	/	23.02	/	/	<=33	Pass
		Inner 1RB Left	21.88	/	/	23.08	/	/	<=33	Pass
		Inner 1RB Right	21.82	/	/	23.02	/	/	<=33	Pass
		Edge 1RB Left	21.89	/	/	23.09	/	/	<=33	Pass
	1880	Edge 1RB Right	22.03	/	/	23.23	/	/	<=33	Pass
		Outer Full	21.83	/	/	23.03	/	/	<=33	Pass
		Inner Full	21.89	/	/	23.09	/	/	<=33	Pass
		Inner 1RB Left	22.02	/	/	23.22	/	/	<=33	Pass
		Inner 1RB Right	22.07	/	/	23.27	/	/	<=33	Pass
	1907.5	Edge 1RB Left	22.15	/	/	23.35	/	/	<=33	Pass
		Edge 1RB Right	22.10	/	/	23.30	/	/	<=33	Pass
		Outer Full	21.89	/	/	23.09	/	/	<=33	Pass
		Inner Full	21.94	/	/	23.14	/	/	<=33	Pass
		Inner 1RB Left	22.16	/	/	23.36	/	/	<=33	Pass
		Inner 1RB Right	22.11	/	/	23.31	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1852.5	Edge 1RB Left	19.26	/	/	20.46	/	/	<=33	Pass
		Edge 1RB Right	19.08	/	/	20.28	/	/	<=33	Pass
		Outer Full	19.64	/	/	20.84	/	/	<=33	Pass
		Inner Full	19.72	/	/	20.92	/	/	<=33	Pass
		Inner 1RB Left	19.23	/	/	20.43	/	/	<=33	Pass
		Inner 1RB Right	19.05	/	/	20.25	/	/	<=33	Pass
	1880	Edge 1RB Left	19.32	/	/	20.52	/	/	<=33	Pass
		Edge 1RB Right	19.23	/	/	20.43	/	/	<=33	Pass
		Outer Full	19.69	/	/	20.89	/	/	<=33	Pass
		Inner Full	19.74	/	/	20.94	/	/	<=33	Pass
		Inner 1RB Left	19.35	/	/	20.55	/	/	<=33	Pass
		Inner 1RB Right	19.25	/	/	20.45	/	/	<=33	Pass
	1907.5	Edge 1RB Left	19.38	/	/	20.58	/	/	<=33	Pass
		Edge 1RB Right	19.26	/	/	20.46	/	/	<=33	Pass
		Outer Full	19.78	/	/	20.98	/	/	<=33	Pass
		Inner Full	19.86	/	/	21.06	/	/	<=33	Pass
		Inner 1RB Left	19.39	/	/	20.59	/	/	<=33	Pass
		Inner 1RB Right	19.30	/	/	20.50	/	/	<=33	Pass
CP-OFDM QPSK	1852.5	Edge 1RB Left	21.26	/	/	22.46	/	/	<=33	Pass
		Edge 1RB Right	21.13	/	/	22.33	/	/	<=33	Pass
		Outer Full	21.30	/	/	22.50	/	/	<=33	Pass
		Inner Full	22.88	/	/	24.08	/	/	<=33	Pass
		Inner 1RB Left	22.67	/	/	23.87	/	/	<=33	Pass
		Inner 1RB Right	22.75	/	/	23.95	/	/	<=33	Pass
	1880	Edge 1RB Left	21.30	/	/	22.50	/	/	<=33	Pass
		Edge 1RB Right	21.52	/	/	22.72	/	/	<=33	Pass
		Outer Full	21.28	/	/	22.48	/	/	<=33	Pass
		Inner Full	22.91	/	/	24.11	/	/	<=33	Pass
		Inner 1RB Left	23.21	/	/	24.41	/	/	<=33	Pass
		Inner 1RB Right	23.10	/	/	24.30	/	/	<=33	Pass
	1907.5	Edge 1RB Left	21.35	/	/	22.55	/	/	<=33	Pass
		Edge 1RB Right	21.22	/	/	22.42	/	/	<=33	Pass
		Outer Full	21.41	/	/	22.61	/	/	<=33	Pass
		Inner Full	23.02	/	/	24.22	/	/	<=33	Pass
		Inner 1RB Left	22.79	/	/	23.99	/	/	<=33	Pass
		Inner 1RB Right	22.68	/	/	23.88	/	/	<=33	Pass

CP-OFDM 16 QAM	1852.5	Edge_1RB_Left	21.15	/	/	22.35	/	/	<=33	Pass
		Edge_1RB_Right	21.20	/	/	22.40	/	/	<=33	Pass
		Outer_Full	21.29	/	/	22.49	/	/	<=33	Pass
		Inner_Full	22.23	/	/	23.43	/	/	<=33	Pass
		Inner_1RB_Left	22.29	/	/	23.49	/	/	<=33	Pass
		Inner_1RB_Right	22.26	/	/	23.46	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.30	/	/	22.50	/	/	<=33	Pass
		Edge_1RB_Right	21.31	/	/	22.51	/	/	<=33	Pass
		Outer_Full	21.43	/	/	22.63	/	/	<=33	Pass
		Inner_Full	22.24	/	/	23.44	/	/	<=33	Pass
		Inner_1RB_Left	22.48	/	/	23.68	/	/	<=33	Pass
		Inner_1RB_Right	22.48	/	/	23.68	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	21.37	/	/	22.57	/	/	<=33	Pass
		Edge_1RB_Right	21.35	/	/	22.55	/	/	<=33	Pass
		Outer_Full	21.47	/	/	22.67	/	/	<=33	Pass
		Inner_Full	22.31	/	/	23.51	/	/	<=33	Pass
		Inner_1RB_Left	22.64	/	/	23.84	/	/	<=33	Pass
		Inner_1RB_Right	22.48	/	/	23.68	/	/	<=33	Pass
CP-OFDM 64 QAM	1852.5	Edge_1RB_Left	20.83	/	/	22.03	/	/	<=33	Pass
		Edge_1RB_Right	20.68	/	/	21.88	/	/	<=33	Pass
		Outer_Full	20.73	/	/	21.93	/	/	<=33	Pass
		Inner_Full	20.81	/	/	22.01	/	/	<=33	Pass
		Inner_1RB_Left	20.72	/	/	21.92	/	/	<=33	Pass
		Inner_1RB_Right	20.67	/	/	21.87	/	/	<=33	Pass
	1880	Edge_1RB_Left	20.92	/	/	22.12	/	/	<=33	Pass
		Edge_1RB_Right	20.89	/	/	22.09	/	/	<=33	Pass
		Outer_Full	20.81	/	/	22.01	/	/	<=33	Pass
		Inner_Full	20.84	/	/	22.04	/	/	<=33	Pass
		Inner_1RB_Left	20.95	/	/	22.15	/	/	<=33	Pass
		Inner_1RB_Right	20.77	/	/	21.97	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	20.90	/	/	22.10	/	/	<=33	Pass
		Edge_1RB_Right	20.81	/	/	22.01	/	/	<=33	Pass
		Outer_Full	20.82	/	/	22.02	/	/	<=33	Pass
		Inner_Full	20.89	/	/	22.09	/	/	<=33	Pass
		Inner_1RB_Left	20.99	/	/	22.19	/	/	<=33	Pass
		Inner_1RB_Right	20.91	/	/	22.11	/	/	<=33	Pass
CP-OFDM 256 QAM	1852.5	Edge_1RB_Left	17.40	/	/	18.60	/	/	<=33	Pass
		Edge_1RB_Right	17.22	/	/	18.42	/	/	<=33	Pass
		Outer_Full	17.72	/	/	18.92	/	/	<=33	Pass
		Inner_Full	17.77	/	/	18.97	/	/	<=33	Pass
		Inner_1RB_Left	17.36	/	/	18.56	/	/	<=33	Pass
		Inner_1RB_Right	17.28	/	/	18.48	/	/	<=33	Pass
	1880	Edge_1RB_Left	17.30	/	/	18.50	/	/	<=33	Pass
		Edge_1RB_Right	17.30	/	/	18.50	/	/	<=33	Pass
		Outer_Full	17.81	/	/	19.01	/	/	<=33	Pass
		Inner_Full	17.88	/	/	19.08	/	/	<=33	Pass
		Inner_1RB_Left	17.32	/	/	18.52	/	/	<=33	Pass
		Inner_1RB_Right	17.23	/	/	18.43	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	17.47	/	/	18.67	/	/	<=33	Pass
		Edge_1RB_Right	17.26	/	/	18.46	/	/	<=33	Pass
		Outer_Full	17.87	/	/	19.07	/	/	<=33	Pass
		Inner_Full	17.91	/	/	19.11	/	/	<=33	Pass
		Inner_1RB_Left	17.38	/	/	18.58	/	/	<=33	Pass
		Inner_1RB_Right	17.27	/	/	18.47	/	/	<=33	Pass
Note1: Antenna Gain: Ant2: 1.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.2 15k_SISO_10MHz_NTNV_EIRP

1.2.1 Test Result

5G NR n2 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1855	Edge_1RB_Left	23.35	/	/	24.55	/	/	<=33	Pass
		Edge_1RB_Right	23.12	/	/	24.32	/	/	<=33	Pass
		Outer_Full	23.28	/	/	24.48	/	/	<=33	Pass
		Inner_Full	23.23	/	/	24.43	/	/	<=33	Pass
		Inner_1RB_Left	23.34	/	/	24.54	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	24.42	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.40	/	/	24.60	/	/	<=33	Pass
		Edge_1RB_Right	23.31	/	/	24.51	/	/	<=33	Pass
		Outer_Full	23.38	/	/	24.58	/	/	<=33	Pass
		Inner_Full	23.38	/	/	24.58	/	/	<=33	Pass
		Inner_1RB_Left	23.33	/	/	24.53	/	/	<=33	Pass
		Inner_1RB_Right	23.41	/	/	24.61	/	/	<=33	Pass
	1905	Edge_1RB_Left	23.51	/	/	24.71	/	/	<=33	Pass
		Edge_1RB_Right	23.40	/	/	24.60	/	/	<=33	Pass
		Outer_Full	23.47	/	/	24.67	/	/	<=33	Pass
		Inner_Full	23.45	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Left	23.42	/	/	24.62	/	/	<=33	Pass
		Inner_1RB_Right	23.47	/	/	24.67	/	/	<=33	Pass
DFT-s-OFDM QPSK	1855	Edge_1RB_Left	23.30	/	/	24.50	/	/	<=33	Pass
		Edge_1RB_Right	23.11	/	/	24.31	/	/	<=33	Pass
		Outer_Full	23.24	/	/	24.44	/	/	<=33	Pass
		Inner_Full	23.21	/	/	24.41	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	24.41	/	/	<=33	Pass
		Inner_1RB_Right	23.13	/	/	24.33	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.36	/	/	24.56	/	/	<=33	Pass
		Edge_1RB_Right	23.32	/	/	24.52	/	/	<=33	Pass
		Outer_Full	23.41	/	/	24.61	/	/	<=33	Pass
		Inner_Full	23.29	/	/	24.49	/	/	<=33	Pass
		Inner_1RB_Left	23.26	/	/	24.46	/	/	<=33	Pass
		Inner_1RB_Right	23.34	/	/	24.54	/	/	<=33	Pass
	1905	Edge_1RB_Left	23.48	/	/	24.68	/	/	<=33	Pass
		Edge_1RB_Right	23.38	/	/	24.58	/	/	<=33	Pass
		Outer_Full	23.38	/	/	24.58	/	/	<=33	Pass
		Inner_Full	23.37	/	/	24.57	/	/	<=33	Pass
		Inner_1RB_Left	23.38	/	/	24.58	/	/	<=33	Pass
		Inner_1RB_Right	23.45	/	/	24.65	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1855	Edge_1RB_Left	22.29	/	/	23.49	/	/	<=33	Pass
		Edge_1RB_Right	22.16	/	/	23.36	/	/	<=33	Pass
		Outer_Full	22.24	/	/	23.44	/	/	<=33	Pass
		Inner_Full	23.25	/	/	24.45	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	24.41	/	/	<=33	Pass
		Inner_1RB_Right	23.11	/	/	24.31	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.22	/	/	23.42	/	/	<=33	Pass
		Edge_1RB_Right	22.33	/	/	23.53	/	/	<=33	Pass
		Outer_Full	22.36	/	/	23.56	/	/	<=33	Pass
		Inner_Full	23.35	/	/	24.55	/	/	<=33	Pass
		Inner_1RB_Left	23.27	/	/	24.47	/	/	<=33	Pass
		Inner_1RB_Right	23.31	/	/	24.51	/	/	<=33	Pass
	1905	Edge_1RB_Left	22.41	/	/	23.61	/	/	<=33	Pass
		Edge_1RB_Right	22.24	/	/	23.44	/	/	<=33	Pass
		Outer_Full	22.34	/	/	23.54	/	/	<=33	Pass
		Inner_Full	23.41	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	23.51	/	/	24.71	/	/	<=33	Pass
		Inner_1RB_Right	23.39	/	/	24.59	/	/	<=33	Pass

DFT-s-OFDM 64 QAM	1855	Edge_1RB_Left	21.89	/	/	23.09	/	/	<=33	Pass
		Edge_1RB_Right	21.79	/	/	22.99	/	/	<=33	Pass
		Outer_Full	21.76	/	/	22.96	/	/	<=33	Pass
		Inner_Full	21.78	/	/	22.98	/	/	<=33	Pass
		Inner_1RB_Left	21.89	/	/	23.09	/	/	<=33	Pass
		Inner_1RB_Right	21.78	/	/	22.98	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.99	/	/	23.19	/	/	<=33	Pass
		Edge_1RB_Right	21.95	/	/	23.15	/	/	<=33	Pass
		Outer_Full	21.87	/	/	23.07	/	/	<=33	Pass
		Inner_Full	21.83	/	/	23.03	/	/	<=33	Pass
		Inner_1RB_Left	21.97	/	/	23.17	/	/	<=33	Pass
		Inner_1RB_Right	21.98	/	/	23.18	/	/	<=33	Pass
	1905	Edge_1RB_Left	22.13	/	/	23.33	/	/	<=33	Pass
		Edge_1RB_Right	22.18	/	/	23.38	/	/	<=33	Pass
		Outer_Full	21.88	/	/	23.08	/	/	<=33	Pass
		Inner_Full	21.94	/	/	23.14	/	/	<=33	Pass
		Inner_1RB_Left	22.13	/	/	23.33	/	/	<=33	Pass
		Inner_1RB_Right	22.22	/	/	23.42	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1855	Edge_1RB_Left	19.29	/	/	20.49	/	/	<=33	Pass
		Edge_1RB_Right	19.13	/	/	20.33	/	/	<=33	Pass
		Outer_Full	19.82	/	/	21.02	/	/	<=33	Pass
		Inner_Full	19.69	/	/	20.89	/	/	<=33	Pass
		Inner_1RB_Left	19.42	/	/	20.62	/	/	<=33	Pass
		Inner_1RB_Right	19.27	/	/	20.47	/	/	<=33	Pass
	1880	Edge_1RB_Left	19.27	/	/	20.47	/	/	<=33	Pass
		Edge_1RB_Right	19.23	/	/	20.43	/	/	<=33	Pass
		Outer_Full	19.84	/	/	21.04	/	/	<=33	Pass
		Inner_Full	19.85	/	/	21.05	/	/	<=33	Pass
		Inner_1RB_Left	19.29	/	/	20.49	/	/	<=33	Pass
		Inner_1RB_Right	19.36	/	/	20.56	/	/	<=33	Pass
	1905	Edge_1RB_Left	19.41	/	/	20.61	/	/	<=33	Pass
		Edge_1RB_Right	19.37	/	/	20.57	/	/	<=33	Pass
		Outer_Full	19.89	/	/	21.09	/	/	<=33	Pass
		Inner_Full	19.88	/	/	21.08	/	/	<=33	Pass
		Inner_1RB_Left	19.41	/	/	20.61	/	/	<=33	Pass
		Inner_1RB_Right	19.41	/	/	20.61	/	/	<=33	Pass
CP-OFDM QPSK	1855	Edge_1RB_Left	21.28	/	/	22.48	/	/	<=33	Pass
		Edge_1RB_Right	21.10	/	/	22.30	/	/	<=33	Pass
		Outer_Full	21.30	/	/	22.50	/	/	<=33	Pass
		Inner_Full	22.77	/	/	23.97	/	/	<=33	Pass
		Inner_1RB_Left	22.70	/	/	23.90	/	/	<=33	Pass
		Inner_1RB_Right	22.54	/	/	23.74	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.33	/	/	22.53	/	/	<=33	Pass
		Edge_1RB_Right	21.26	/	/	22.46	/	/	<=33	Pass
		Outer_Full	21.42	/	/	22.62	/	/	<=33	Pass
		Inner_Full	22.77	/	/	23.97	/	/	<=33	Pass
		Inner_1RB_Left	22.73	/	/	23.93	/	/	<=33	Pass
		Inner_1RB_Right	22.81	/	/	24.01	/	/	<=33	Pass
	1905	Edge_1RB_Left	21.39	/	/	22.59	/	/	<=33	Pass
		Edge_1RB_Right	21.29	/	/	22.49	/	/	<=33	Pass
		Outer_Full	21.33	/	/	22.53	/	/	<=33	Pass
		Inner_Full	22.86	/	/	24.06	/	/	<=33	Pass
		Inner_1RB_Left	22.92	/	/	24.12	/	/	<=33	Pass
		Inner_1RB_Right	22.87	/	/	24.07	/	/	<=33	Pass
CP-OFDM 16 QAM	1855	Edge_1RB_Left	21.41	/	/	22.61	/	/	<=33	Pass
		Edge_1RB_Right	21.27	/	/	22.47	/	/	<=33	Pass
		Outer_Full	21.29	/	/	22.49	/	/	<=33	Pass
		Inner_Full	22.30	/	/	23.50	/	/	<=33	Pass
		Inner_1RB_Left	22.42	/	/	23.62	/	/	<=33	Pass

		Inner 1RB Right	22.28	/	/	23.48	/	/	<=33	Pass	
		1880	Edge 1RB Left	21.26	/	/	22.46	/	/	<=33	Pass
			Edge 1RB Right	21.37	/	/	22.57	/	/	<=33	Pass
			Outer_Full	21.28	/	/	22.48	/	/	<=33	Pass
			Inner_Full	22.34	/	/	23.54	/	/	<=33	Pass
			Inner 1RB Left	22.40	/	/	23.60	/	/	<=33	Pass
			Inner 1RB Right	22.37	/	/	23.57	/	/	<=33	Pass
		1905	Edge 1RB Left	21.41	/	/	22.61	/	/	<=33	Pass
			Edge 1RB Right	21.44	/	/	22.64	/	/	<=33	Pass
			Outer_Full	21.41	/	/	22.61	/	/	<=33	Pass
			Inner_Full	22.36	/	/	23.56	/	/	<=33	Pass
			Inner 1RB Left	22.33	/	/	23.53	/	/	<=33	Pass
			Inner 1RB Right	22.49	/	/	23.69	/	/	<=33	Pass
		CP-OFDM 64 QAM	1855	Edge 1RB Left	20.80	/	/	22.00	/	/	<=33
Edge 1RB Right	20.72			/	/	21.92	/	/	<=33	Pass	
Outer_Full	20.81			/	/	22.01	/	/	<=33	Pass	
Inner_Full	20.77			/	/	21.97	/	/	<=33	Pass	
Inner 1RB Left	20.80			/	/	22.00	/	/	<=33	Pass	
Inner 1RB Right	20.74			/	/	21.94	/	/	<=33	Pass	
1880	Edge 1RB Left		20.89	/	/	22.09	/	/	<=33	Pass	
	Edge 1RB Right		20.85	/	/	22.05	/	/	<=33	Pass	
	Outer_Full		20.87	/	/	22.07	/	/	<=33	Pass	
	Inner_Full		20.80	/	/	22.00	/	/	<=33	Pass	
	Inner 1RB Left		20.90	/	/	22.10	/	/	<=33	Pass	
	Inner 1RB Right		20.90	/	/	22.10	/	/	<=33	Pass	
1905	Edge 1RB Left		20.94	/	/	22.14	/	/	<=33	Pass	
	Edge 1RB Right		21.05	/	/	22.25	/	/	<=33	Pass	
	Outer_Full		20.93	/	/	22.13	/	/	<=33	Pass	
	Inner_Full		20.83	/	/	22.03	/	/	<=33	Pass	
	Inner 1RB Left		20.89	/	/	22.09	/	/	<=33	Pass	
	Inner 1RB Right		20.98	/	/	22.18	/	/	<=33	Pass	
CP-OFDM 256 QAM	1855		Edge 1RB Left	17.35	/	/	18.55	/	/	<=33	Pass
			Edge 1RB Right	17.30	/	/	18.50	/	/	<=33	Pass
			Outer_Full	17.67	/	/	18.87	/	/	<=33	Pass
			Inner_Full	17.70	/	/	18.90	/	/	<=33	Pass
			Inner 1RB Left	17.42	/	/	18.62	/	/	<=33	Pass
			Inner 1RB Right	17.34	/	/	18.54	/	/	<=33	Pass
	1880	Edge 1RB Left	17.35	/	/	18.55	/	/	<=33	Pass	
		Edge 1RB Right	17.33	/	/	18.53	/	/	<=33	Pass	
		Outer_Full	17.80	/	/	19.00	/	/	<=33	Pass	
		Inner_Full	17.87	/	/	19.07	/	/	<=33	Pass	
		Inner 1RB Left	17.24	/	/	18.44	/	/	<=33	Pass	
		Inner 1RB Right	17.41	/	/	18.61	/	/	<=33	Pass	
	1905	Edge 1RB Left	17.50	/	/	18.70	/	/	<=33	Pass	
		Edge 1RB Right	17.39	/	/	18.59	/	/	<=33	Pass	
		Outer_Full	17.94	/	/	19.14	/	/	<=33	Pass	
		Inner_Full	17.90	/	/	19.10	/	/	<=33	Pass	
		Inner 1RB Left	17.34	/	/	18.54	/	/	<=33	Pass	
		Inner 1RB Right	17.42	/	/	18.62	/	/	<=33	Pass	
Note1: Antenna Gain: Ant2: 1.20dBi;											
Note2: EIRP=Conducted Power+Antenna Gain											

1.3 15k_SISO_15MHz_NTNV_EIRP

1.3.1 Test Result

5G NR n2 SCS=15kHz SISO 15MHz NTNv

Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1857.5	Edge_1RB_Left	23.49	/	/	24.69	/	/	<=33	Pass
		Edge_1RB_Right	23.42	/	/	24.62	/	/	<=33	Pass
		Outer_Full	23.37	/	/	24.57	/	/	<=33	Pass
		Inner_Full	23.37	/	/	24.57	/	/	<=33	Pass
		Inner_1RB_Left	23.45	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Right	23.45	/	/	24.65	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.39	/	/	24.59	/	/	<=33	Pass
		Edge_1RB_Right	23.32	/	/	24.52	/	/	<=33	Pass
		Outer_Full	23.45	/	/	24.65	/	/	<=33	Pass
		Inner_Full	23.38	/	/	24.58	/	/	<=33	Pass
		Inner_1RB_Left	23.31	/	/	24.51	/	/	<=33	Pass
		Inner_1RB_Right	23.33	/	/	24.53	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	23.51	/	/	24.71	/	/	<=33	Pass
		Edge_1RB_Right	23.48	/	/	24.68	/	/	<=33	Pass
		Outer_Full	23.49	/	/	24.69	/	/	<=33	Pass
		Inner_Full	23.44	/	/	24.64	/	/	<=33	Pass
		Inner_1RB_Left	23.50	/	/	24.70	/	/	<=33	Pass
		Inner_1RB_Right	23.37	/	/	24.57	/	/	<=33	Pass
DFT-s-OFDM QPSK	1857.5	Edge_1RB_Left	23.45	/	/	24.65	/	/	<=33	Pass
		Edge_1RB_Right	23.45	/	/	24.65	/	/	<=33	Pass
		Outer_Full	23.42	/	/	24.62	/	/	<=33	Pass
		Inner_Full	23.42	/	/	24.62	/	/	<=33	Pass
		Inner_1RB_Left	23.40	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Right	23.44	/	/	24.64	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.42	/	/	24.62	/	/	<=33	Pass
		Edge_1RB_Right	23.43	/	/	24.63	/	/	<=33	Pass
		Outer_Full	23.50	/	/	24.70	/	/	<=33	Pass
		Inner_Full	23.46	/	/	24.66	/	/	<=33	Pass
		Inner_1RB_Left	23.48	/	/	24.68	/	/	<=33	Pass
		Inner_1RB_Right	23.48	/	/	24.68	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	23.51	/	/	24.71	/	/	<=33	Pass
		Edge_1RB_Right	23.46	/	/	24.66	/	/	<=33	Pass
		Outer_Full	23.46	/	/	24.66	/	/	<=33	Pass
		Inner_Full	23.42	/	/	24.62	/	/	<=33	Pass
		Inner_1RB_Left	23.40	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Right	23.45	/	/	24.65	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1857.5	Edge_1RB_Left	22.37	/	/	23.57	/	/	<=33	Pass
		Edge_1RB_Right	22.35	/	/	23.55	/	/	<=33	Pass
		Outer_Full	22.42	/	/	23.62	/	/	<=33	Pass
		Inner_Full	23.40	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Left	23.43	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Right	23.52	/	/	24.72	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.35	/	/	23.55	/	/	<=33	Pass
		Edge_1RB_Right	22.49	/	/	23.69	/	/	<=33	Pass
		Outer_Full	22.48	/	/	23.68	/	/	<=33	Pass
		Inner_Full	23.50	/	/	24.70	/	/	<=33	Pass
		Inner_1RB_Left	23.39	/	/	24.59	/	/	<=33	Pass
		Inner_1RB_Right	23.37	/	/	24.57	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	22.45	/	/	23.65	/	/	<=33	Pass
		Edge_1RB_Right	22.45	/	/	23.65	/	/	<=33	Pass
		Outer_Full	22.55	/	/	23.75	/	/	<=33	Pass
		Inner_Full	23.52	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Left	23.54	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Right	23.45	/	/	24.65	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1857.5	Edge_1RB_Left	22.19	/	/	23.39	/	/	<=33	Pass
		Edge_1RB_Right	22.15	/	/	23.35	/	/	<=33	Pass
		Outer_Full	21.92	/	/	23.12	/	/	<=33	Pass

		Inner_Full	21.91	/	/	23.11	/	/	<=33	Pass
		Inner_1RB_Left	22.19	/	/	23.39	/	/	<=33	Pass
		Inner_1RB_Right	22.14	/	/	23.34	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.01	/	/	23.21	/	/	<=33	Pass
		Edge_1RB_Right	22.03	/	/	23.23	/	/	<=33	Pass
		Outer_Full	22.00	/	/	23.20	/	/	<=33	Pass
		Inner_Full	22.01	/	/	23.21	/	/	<=33	Pass
		Inner_1RB_Left	22.03	/	/	23.23	/	/	<=33	Pass
		Inner_1RB_Right	22.08	/	/	23.28	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	22.28	/	/	23.48	/	/	<=33	Pass
		Edge_1RB_Right	22.09	/	/	23.29	/	/	<=33	Pass
		Outer_Full	22.07	/	/	23.27	/	/	<=33	Pass
		Inner_Full	22.02	/	/	23.22	/	/	<=33	Pass
		Inner_1RB_Left	22.19	/	/	23.39	/	/	<=33	Pass
		Inner_1RB_Right	22.21	/	/	23.41	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1857.5	Edge_1RB_Left	19.39	/	/	20.59	/	/	<=33	Pass
		Edge_1RB_Right	19.34	/	/	20.54	/	/	<=33	Pass
		Outer_Full	19.91	/	/	21.11	/	/	<=33	Pass
		Inner_Full	19.85	/	/	21.05	/	/	<=33	Pass
		Inner_1RB_Left	19.39	/	/	20.59	/	/	<=33	Pass
		Inner_1RB_Right	19.35	/	/	20.55	/	/	<=33	Pass
	1880	Edge_1RB_Left	19.42	/	/	20.62	/	/	<=33	Pass
		Edge_1RB_Right	19.33	/	/	20.53	/	/	<=33	Pass
		Outer_Full	19.92	/	/	21.12	/	/	<=33	Pass
		Inner_Full	19.82	/	/	21.02	/	/	<=33	Pass
		Inner_1RB_Left	19.44	/	/	20.64	/	/	<=33	Pass
		Inner_1RB_Right	19.35	/	/	20.55	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	19.44	/	/	20.64	/	/	<=33	Pass
		Edge_1RB_Right	19.36	/	/	20.56	/	/	<=33	Pass
		Outer_Full	19.87	/	/	21.07	/	/	<=33	Pass
		Inner_Full	19.84	/	/	21.04	/	/	<=33	Pass
		Inner_1RB_Left	19.39	/	/	20.59	/	/	<=33	Pass
		Inner_1RB_Right	19.41	/	/	20.61	/	/	<=33	Pass
CP-OFDM QPSK	1857.5	Edge_1RB_Left	21.44	/	/	22.64	/	/	<=33	Pass
		Edge_1RB_Right	21.40	/	/	22.60	/	/	<=33	Pass
		Outer_Full	21.37	/	/	22.57	/	/	<=33	Pass
		Inner_Full	23.08	/	/	24.28	/	/	<=33	Pass
		Inner_1RB_Left	22.85	/	/	24.05	/	/	<=33	Pass
		Inner_1RB_Right	22.83	/	/	24.03	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.37	/	/	22.57	/	/	<=33	Pass
		Edge_1RB_Right	21.45	/	/	22.65	/	/	<=33	Pass
		Outer_Full	21.50	/	/	22.70	/	/	<=33	Pass
		Inner_Full	22.87	/	/	24.07	/	/	<=33	Pass
		Inner_1RB_Left	23.00	/	/	24.20	/	/	<=33	Pass
		Inner_1RB_Right	22.90	/	/	24.10	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	21.45	/	/	22.65	/	/	<=33	Pass
		Edge_1RB_Right	21.41	/	/	22.61	/	/	<=33	Pass
		Outer_Full	21.52	/	/	22.72	/	/	<=33	Pass
		Inner_Full	22.93	/	/	24.13	/	/	<=33	Pass
		Inner_1RB_Left	22.86	/	/	24.06	/	/	<=33	Pass
		Inner_1RB_Right	22.88	/	/	24.08	/	/	<=33	Pass
CP-OFDM 16 QAM	1857.5	Edge_1RB_Left	21.43	/	/	22.63	/	/	<=33	Pass
		Edge_1RB_Right	21.55	/	/	22.75	/	/	<=33	Pass
		Outer_Full	21.44	/	/	22.64	/	/	<=33	Pass
		Inner_Full	22.49	/	/	23.69	/	/	<=33	Pass
		Inner_1RB_Left	22.50	/	/	23.70	/	/	<=33	Pass
		Inner_1RB_Right	22.49	/	/	23.69	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.57	/	/	22.77	/	/	<=33	Pass
		Edge_1RB_Right	21.60	/	/	22.80	/	/	<=33	Pass

		Outer_Full	21.45	/	/	22.65	/	/	<=33	Pass
		Inner_Full	22.53	/	/	23.73	/	/	<=33	Pass
		Inner_1RB_Left	22.55	/	/	23.75	/	/	<=33	Pass
		Inner_1RB_Right	22.60	/	/	23.80	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	21.47	/	/	22.67	/	/	<=33	Pass
		Edge_1RB_Right	21.37	/	/	22.57	/	/	<=33	Pass
		Outer_Full	21.46	/	/	22.66	/	/	<=33	Pass
		Inner_Full	22.54	/	/	23.74	/	/	<=33	Pass
		Inner_1RB_Left	22.54	/	/	23.74	/	/	<=33	Pass
		Inner_1RB_Right	22.58	/	/	23.78	/	/	<=33	Pass
CP-OFDM 64 QAM	1857.5	Edge_1RB_Left	20.95	/	/	22.15	/	/	<=33	Pass
		Edge_1RB_Right	20.93	/	/	22.13	/	/	<=33	Pass
		Outer_Full	20.87	/	/	22.07	/	/	<=33	Pass
		Inner_Full	20.85	/	/	22.05	/	/	<=33	Pass
		Inner_1RB_Left	20.95	/	/	22.15	/	/	<=33	Pass
		Inner_1RB_Right	21.02	/	/	22.22	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.00	/	/	22.20	/	/	<=33	Pass
		Edge_1RB_Right	21.01	/	/	22.21	/	/	<=33	Pass
		Outer_Full	20.93	/	/	22.13	/	/	<=33	Pass
		Inner_Full	20.95	/	/	22.15	/	/	<=33	Pass
		Inner_1RB_Left	20.95	/	/	22.15	/	/	<=33	Pass
		Inner_1RB_Right	20.96	/	/	22.16	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	20.99	/	/	22.19	/	/	<=33	Pass
		Edge_1RB_Right	20.95	/	/	22.15	/	/	<=33	Pass
		Outer_Full	20.91	/	/	22.11	/	/	<=33	Pass
		Inner_Full	20.87	/	/	22.07	/	/	<=33	Pass
		Inner_1RB_Left	21.00	/	/	22.20	/	/	<=33	Pass
		Inner_1RB_Right	21.07	/	/	22.27	/	/	<=33	Pass
CP-OFDM 256 QAM	1857.5	Edge_1RB_Left	17.52	/	/	18.72	/	/	<=33	Pass
		Edge_1RB_Right	17.38	/	/	18.58	/	/	<=33	Pass
		Outer_Full	17.91	/	/	19.11	/	/	<=33	Pass
		Inner_Full	17.85	/	/	19.05	/	/	<=33	Pass
		Inner_1RB_Left	17.52	/	/	18.72	/	/	<=33	Pass
		Inner_1RB_Right	17.40	/	/	18.60	/	/	<=33	Pass
	1880	Edge_1RB_Left	17.61	/	/	18.81	/	/	<=33	Pass
		Edge_1RB_Right	17.51	/	/	18.71	/	/	<=33	Pass
		Outer_Full	17.90	/	/	19.10	/	/	<=33	Pass
		Inner_Full	17.92	/	/	19.12	/	/	<=33	Pass
		Inner_1RB_Left	17.63	/	/	18.83	/	/	<=33	Pass
		Inner_1RB_Right	17.59	/	/	18.79	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	17.51	/	/	18.71	/	/	<=33	Pass
		Edge_1RB_Right	17.46	/	/	18.66	/	/	<=33	Pass
		Outer_Full	17.85	/	/	19.05	/	/	<=33	Pass
Inner_Full		17.84	/	/	19.04	/	/	<=33	Pass	
Inner_1RB_Left		17.49	/	/	18.69	/	/	<=33	Pass	
Inner_1RB_Right	17.47	/	/	18.67	/	/	<=33	Pass		
Note1: Antenna Gain: Ant2: 1.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.4 15k_SISO_20MHz_NTNV_EIRP

1.4.1 Test Result

5G NR n2 SCS=15kHz SISO 20MHz NTV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2	1860	Edge_1RB_Left	23.45	/	/	24.65	/	/	<=33	Pass

BPSK		Edge_1RB_Right	23.46	/	/	24.66	/	/	<=33	Pass
		Outer_Full	23.40	/	/	24.60	/	/	<=33	Pass
		Inner_Full	23.40	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Left	23.43	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Right	23.47	/	/	24.67	/	/	<=33	Pass
	1880	Edge_1RB_Left	23.42	/	/	24.62	/	/	<=33	Pass
		Edge_1RB_Right	23.48	/	/	24.68	/	/	<=33	Pass
		Outer_Full	23.46	/	/	24.66	/	/	<=33	Pass
		Inner_Full	23.46	/	/	24.66	/	/	<=33	Pass
		Inner_1RB_Left	23.39	/	/	24.59	/	/	<=33	Pass
	1900	Inner_1RB_Right	23.49	/	/	24.69	/	/	<=33	Pass
		Edge_1RB_Left	23.53	/	/	24.73	/	/	<=33	Pass
		Edge_1RB_Right	23.48	/	/	24.68	/	/	<=33	Pass
		Outer_Full	23.53	/	/	24.73	/	/	<=33	Pass
		Inner_Full	23.50	/	/	24.70	/	/	<=33	Pass
DFT-s-OFDM QPSK		Inner_1RB_Left	23.52	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Right	23.44	/	/	24.64	/	/	<=33	Pass
	1860	Edge_1RB_Left	23.39	/	/	24.59	/	/	<=33	Pass
		Edge_1RB_Right	23.49	/	/	24.69	/	/	<=33	Pass
		Outer_Full	23.37	/	/	24.57	/	/	<=33	Pass
		Inner_Full	23.42	/	/	24.62	/	/	<=33	Pass
	1880	Inner_1RB_Left	23.43	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Right	23.46	/	/	24.66	/	/	<=33	Pass
		Edge_1RB_Left	23.40	/	/	24.60	/	/	<=33	Pass
		Edge_1RB_Right	23.45	/	/	24.65	/	/	<=33	Pass
		Outer_Full	23.52	/	/	24.72	/	/	<=33	Pass
DFT-s-OFDM 16 QAM		Inner_Full	23.45	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Left	23.43	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Right	23.49	/	/	24.69	/	/	<=33	Pass
	1860	Edge_1RB_Left	23.55	/	/	24.75	/	/	<=33	Pass
		Edge_1RB_Right	23.45	/	/	24.65	/	/	<=33	Pass
		Outer_Full	23.38	/	/	24.58	/	/	<=33	Pass
	1880	Inner_Full	23.55	/	/	24.75	/	/	<=33	Pass
		Inner_1RB_Left	23.52	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Right	23.46	/	/	24.66	/	/	<=33	Pass
DFT-s-OFDM 64 QAM		Edge_1RB_Left	22.41	/	/	23.61	/	/	<=33	Pass
		Edge_1RB_Right	22.44	/	/	23.64	/	/	<=33	Pass
		Outer_Full	22.39	/	/	23.59	/	/	<=33	Pass
	1860	Inner_Full	23.40	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Left	23.41	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Right	23.44	/	/	24.64	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.31	/	/	23.51	/	/	<=33	Pass
		Edge_1RB_Right	22.46	/	/	23.66	/	/	<=33	Pass
		Outer_Full	22.50	/	/	23.70	/	/	<=33	Pass
	1900	Inner_Full	23.48	/	/	24.68	/	/	<=33	Pass
		Inner_1RB_Left	23.32	/	/	24.52	/	/	<=33	Pass
		Inner_1RB_Right	23.49	/	/	24.69	/	/	<=33	Pass
DFT-s-OFDM 64 QAM		Edge_1RB_Left	22.45	/	/	23.65	/	/	<=33	Pass
		Edge_1RB_Right	22.42	/	/	23.62	/	/	<=33	Pass
		Outer_Full	22.42	/	/	23.62	/	/	<=33	Pass
	1860	Inner_Full	23.54	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Left	23.40	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Right	23.34	/	/	24.54	/	/	<=33	Pass
	1880	Edge_1RB_Left	22.22	/	/	23.42	/	/	<=33	Pass
		Edge_1RB_Right	22.12	/	/	23.32	/	/	<=33	Pass
		Outer_Full	21.92	/	/	23.12	/	/	<=33	Pass
		Inner_Full	21.91	/	/	23.11	/	/	<=33	Pass
		Inner_1RB_Left	22.15	/	/	23.35	/	/	<=33	Pass
		Inner_1RB_Right	22.16	/	/	23.36	/	/	<=33	Pass

	1880	Edge_1RB_Left	22.11	/	/	23.31	/	/	<=33	Pass
		Edge_1RB_Right	22.21	/	/	23.41	/	/	<=33	Pass
		Outer_Full	22.02	/	/	23.22	/	/	<=33	Pass
		Inner_Full	22.05	/	/	23.25	/	/	<=33	Pass
		Inner_1RB_Left	22.14	/	/	23.34	/	/	<=33	Pass
		Inner_1RB_Right	22.18	/	/	23.38	/	/	<=33	Pass
	1900	Edge_1RB_Left	22.12	/	/	23.32	/	/	<=33	Pass
		Edge_1RB_Right	22.25	/	/	23.45	/	/	<=33	Pass
		Outer_Full	22.01	/	/	23.21	/	/	<=33	Pass
		Inner_Full	22.04	/	/	23.24	/	/	<=33	Pass
		Inner_1RB_Left	22.15	/	/	23.35	/	/	<=33	Pass
		Inner_1RB_Right	22.13	/	/	23.33	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1860	Edge_1RB_Left	19.46	/	/	20.66	/	/	<=33	Pass
		Edge_1RB_Right	19.40	/	/	20.60	/	/	<=33	Pass
		Outer_Full	19.99	/	/	21.19	/	/	<=33	Pass
		Inner_Full	19.85	/	/	21.05	/	/	<=33	Pass
		Inner_1RB_Left	19.40	/	/	20.60	/	/	<=33	Pass
		Inner_1RB_Right	19.42	/	/	20.62	/	/	<=33	Pass
	1880	Edge_1RB_Left	19.45	/	/	20.65	/	/	<=33	Pass
		Edge_1RB_Right	19.40	/	/	20.60	/	/	<=33	Pass
		Outer_Full	19.95	/	/	21.15	/	/	<=33	Pass
		Inner_Full	19.93	/	/	21.13	/	/	<=33	Pass
		Inner_1RB_Left	19.39	/	/	20.59	/	/	<=33	Pass
		Inner_1RB_Right	19.41	/	/	20.61	/	/	<=33	Pass
	1900	Edge_1RB_Left	19.38	/	/	20.58	/	/	<=33	Pass
		Edge_1RB_Right	19.41	/	/	20.61	/	/	<=33	Pass
		Outer_Full	19.94	/	/	21.14	/	/	<=33	Pass
		Inner_Full	19.89	/	/	21.09	/	/	<=33	Pass
		Inner_1RB_Left	19.42	/	/	20.62	/	/	<=33	Pass
		Inner_1RB_Right	19.30	/	/	20.50	/	/	<=33	Pass
CP-OFDM QPSK	1860	Edge_1RB_Left	21.53	/	/	22.73	/	/	<=33	Pass
		Edge_1RB_Right	21.33	/	/	22.53	/	/	<=33	Pass
		Outer_Full	21.41	/	/	22.61	/	/	<=33	Pass
		Inner_Full	22.82	/	/	24.02	/	/	<=33	Pass
		Inner_1RB_Left	22.77	/	/	23.97	/	/	<=33	Pass
		Inner_1RB_Right	22.83	/	/	24.03	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.47	/	/	22.67	/	/	<=33	Pass
		Edge_1RB_Right	21.49	/	/	22.69	/	/	<=33	Pass
		Outer_Full	21.49	/	/	22.69	/	/	<=33	Pass
		Inner_Full	22.99	/	/	24.19	/	/	<=33	Pass
		Inner_1RB_Left	22.86	/	/	24.06	/	/	<=33	Pass
		Inner_1RB_Right	22.87	/	/	24.07	/	/	<=33	Pass
	1900	Edge_1RB_Left	21.47	/	/	22.67	/	/	<=33	Pass
		Edge_1RB_Right	21.52	/	/	22.72	/	/	<=33	Pass
		Outer_Full	21.45	/	/	22.65	/	/	<=33	Pass
		Inner_Full	22.94	/	/	24.14	/	/	<=33	Pass
		Inner_1RB_Left	22.87	/	/	24.07	/	/	<=33	Pass
		Inner_1RB_Right	22.87	/	/	24.07	/	/	<=33	Pass
CP-OFDM 16 QAM	1860	Edge_1RB_Left	21.49	/	/	22.69	/	/	<=33	Pass
		Edge_1RB_Right	21.40	/	/	22.60	/	/	<=33	Pass
		Outer_Full	21.30	/	/	22.50	/	/	<=33	Pass
		Inner_Full	22.36	/	/	23.56	/	/	<=33	Pass
		Inner_1RB_Left	22.61	/	/	23.81	/	/	<=33	Pass
		Inner_1RB_Right	22.56	/	/	23.76	/	/	<=33	Pass
	1880	Edge_1RB_Left	21.55	/	/	22.75	/	/	<=33	Pass
		Edge_1RB_Right	21.55	/	/	22.75	/	/	<=33	Pass
		Outer_Full	21.41	/	/	22.61	/	/	<=33	Pass
		Inner_Full	22.48	/	/	23.68	/	/	<=33	Pass
		Inner_1RB_Left	22.52	/	/	23.72	/	/	<=33	Pass

	1900	Inner 1RB Right	22.57	/	/	23.77	/	/	<=33	Pass
		Edge 1RB Left	21.60	/	/	22.80	/	/	<=33	Pass
		Edge 1RB Right	21.53	/	/	22.73	/	/	<=33	Pass
		Outer_Full	21.49	/	/	22.69	/	/	<=33	Pass
		Inner_Full	22.50	/	/	23.70	/	/	<=33	Pass
		Inner 1RB Left	22.47	/	/	23.67	/	/	<=33	Pass
		Inner 1RB Right	22.52	/	/	23.72	/	/	<=33	Pass
CP-OFDM 64 QAM	1860	Edge 1RB Left	20.89	/	/	22.09	/	/	<=33	Pass
		Edge 1RB Right	20.98	/	/	22.18	/	/	<=33	Pass
		Outer_Full	20.83	/	/	22.03	/	/	<=33	Pass
		Inner_Full	20.84	/	/	22.04	/	/	<=33	Pass
		Inner 1RB Left	20.93	/	/	22.13	/	/	<=33	Pass
		Inner 1RB Right	20.91	/	/	22.11	/	/	<=33	Pass
	1880	Edge 1RB Left	20.90	/	/	22.10	/	/	<=33	Pass
		Edge 1RB Right	21.03	/	/	22.23	/	/	<=33	Pass
		Outer_Full	20.95	/	/	22.15	/	/	<=33	Pass
		Inner_Full	21.01	/	/	22.21	/	/	<=33	Pass
		Inner 1RB Left	20.90	/	/	22.10	/	/	<=33	Pass
		Inner 1RB Right	21.01	/	/	22.21	/	/	<=33	Pass
	1900	Edge 1RB Left	20.98	/	/	22.18	/	/	<=33	Pass
		Edge 1RB Right	20.93	/	/	22.13	/	/	<=33	Pass
		Outer_Full	20.93	/	/	22.13	/	/	<=33	Pass
Inner_Full		20.93	/	/	22.13	/	/	<=33	Pass	
Inner 1RB Left		20.97	/	/	22.17	/	/	<=33	Pass	
Inner 1RB Right		20.84	/	/	22.04	/	/	<=33	Pass	
CP-OFDM 256 QAM	1860	Edge 1RB Left	17.51	/	/	18.71	/	/	<=33	Pass
		Edge 1RB Right	17.50	/	/	18.70	/	/	<=33	Pass
		Outer_Full	17.91	/	/	19.11	/	/	<=33	Pass
		Inner_Full	17.91	/	/	19.11	/	/	<=33	Pass
		Inner 1RB Left	17.41	/	/	18.61	/	/	<=33	Pass
		Inner 1RB Right	17.44	/	/	18.64	/	/	<=33	Pass
	1880	Edge 1RB Left	17.53	/	/	18.73	/	/	<=33	Pass
		Edge 1RB Right	17.51	/	/	18.71	/	/	<=33	Pass
		Outer_Full	17.93	/	/	19.13	/	/	<=33	Pass
		Inner_Full	17.93	/	/	19.13	/	/	<=33	Pass
		Inner 1RB Left	17.48	/	/	18.68	/	/	<=33	Pass
		Inner 1RB Right	17.43	/	/	18.63	/	/	<=33	Pass
	1900	Edge 1RB Left	17.59	/	/	18.79	/	/	<=33	Pass
		Edge 1RB Right	17.50	/	/	18.70	/	/	<=33	Pass
		Outer_Full	17.94	/	/	19.14	/	/	<=33	Pass
Inner_Full		17.92	/	/	19.12	/	/	<=33	Pass	
Inner 1RB Left		17.45	/	/	18.65	/	/	<=33	Pass	
Inner 1RB Right		17.46	/	/	18.66	/	/	<=33	Pass	
Note1: Antenna Gain: Ant2: 1.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 15k_SISO_20MHz

2.1.1 Test Result

5G NR n2 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	1880	Outer_Full	20	LV	-8.10	-0.0043	>=-2.5 & <=2.5	Pass

BPSK				HV	-5.80	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.00	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-9.30	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.40	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-10.20	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-9.30	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.70	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.00	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.50	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-10.70	-0.0057	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM QPSK	1880	Outer_Full	20	LV	-5.50	-0.0029	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.10	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.60	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.10	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.80	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-9.60	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.60	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.70	-0.0052	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.90	-0.0042	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	1880	Outer_Full	20	LV	-8.00	-0.0043	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.70	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.40	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.40	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-12.00	-0.0064	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.90	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.40	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.70	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.30	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.50	-0.0045	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	20	LV	-7.80	-0.0041	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.20	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-9.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-12.40	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-9.50	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-9.50	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-9.10	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.20	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.70	-0.0052	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	20	LV	-4.20	-0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.70	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.50	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.40	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.50	-0.0013	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1880	Outer_Full	20	LV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.40	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass

			0	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			10	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			40	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1880	Outer_Full	20	LV	3.90	0.0021	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	5.60	0.0030	>=-2.5 & <=2.5	Pass
			20	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1880	Outer_Full	20	LV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
				HV	5.00	0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-1.70	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1880	Outer_Full	20	LV	2.80	0.0015	>=-2.5 & <=2.5	Pass
				HV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

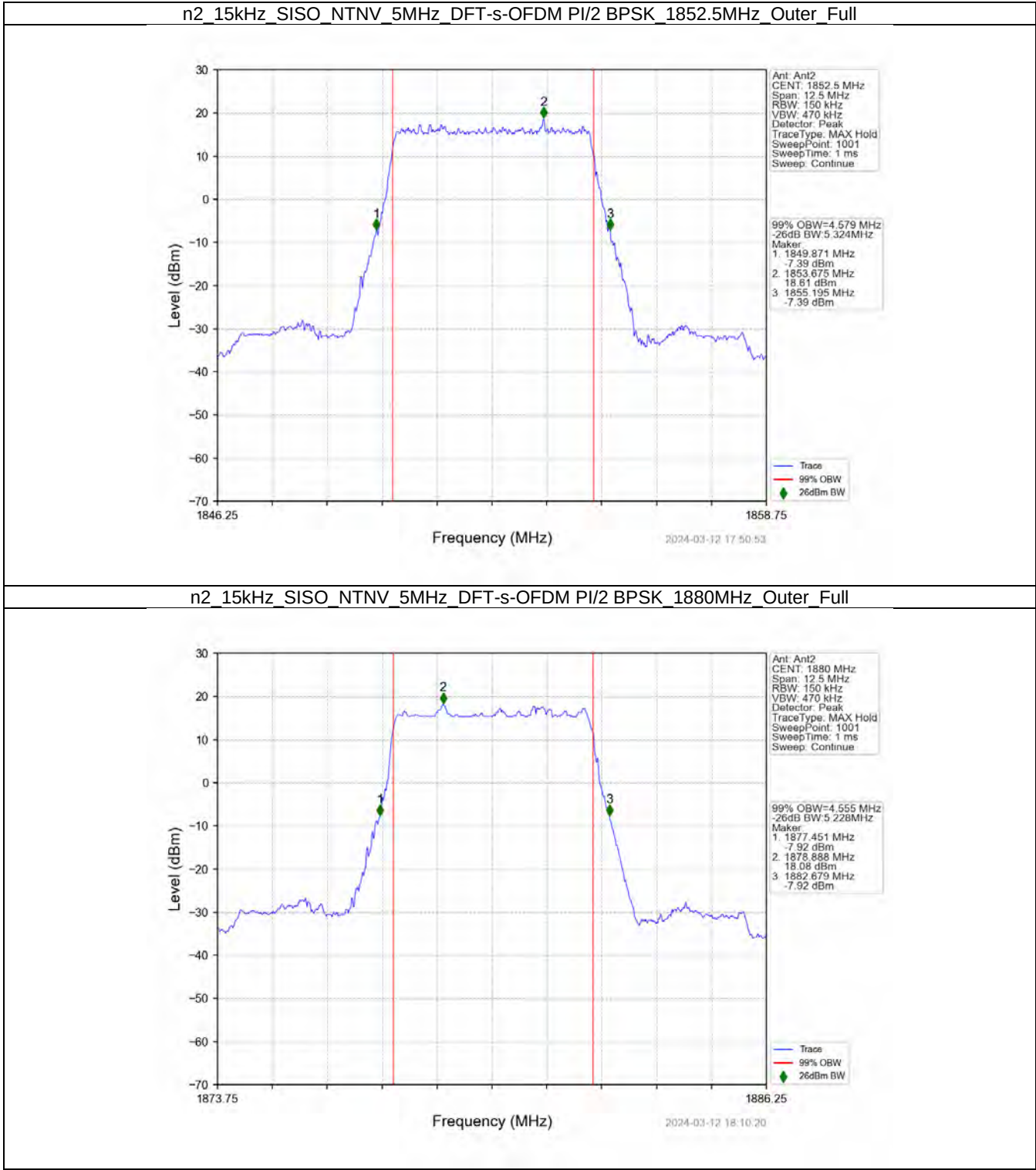
3.1 15k_SISO_5MHz_NTNV

3.1.1 Test Result

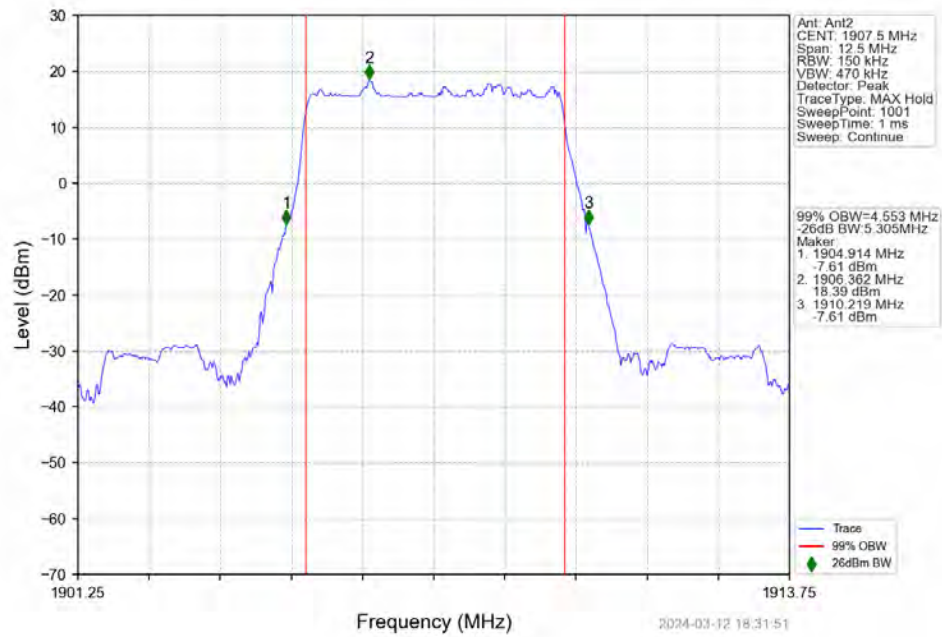
5G NR n2 SCS=15kHz SISO 5MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1852.5	Outer_Full	4.58	5.32	/	Pass
	1880	Outer_Full	4.55	5.23	/	Pass
	1907.5	Outer_Full	4.55	5.30	/	Pass
DFT-s-OFDM QPSK	1852.5	Outer_Full	4.58	5.36	/	Pass
	1880	Outer_Full	4.53	5.19	/	Pass
	1907.5	Outer_Full	4.53	5.26	/	Pass
DFT-s-OFDM 16 QAM	1852.5	Outer_Full	4.58	5.33	/	Pass

	1880	Outer_Full	4.56	5.22	/	Pass
	1907.5	Outer_Full	4.57	5.31	/	Pass
	1852.5	Outer_Full	4.57	5.31	/	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	4.54	5.24	/	Pass
	1907.5	Outer_Full	4.54	5.24	/	Pass
	1852.5	Outer_Full	4.57	5.31	/	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	4.58	5.31	/	Pass
	1907.5	Outer_Full	4.54	5.27	/	Pass
	1852.5	Outer_Full	4.55	5.40	/	Pass
CP-OFDM QPSK	1880	Outer_Full	4.56	5.35	/	Pass
	1907.5	Outer_Full	4.56	5.27	/	Pass
	1852.5	Outer_Full	4.56	5.36	/	Pass
CP-OFDM 16 QAM	1880	Outer_Full	4.61	5.45	/	Pass
	1907.5	Outer_Full	4.57	5.37	/	Pass
	1852.5	Outer_Full	4.56	5.33	/	Pass
CP-OFDM 64 QAM	1880	Outer_Full	4.54	5.29	/	Pass
	1907.5	Outer_Full	4.55	5.31	/	Pass
	1852.5	Outer_Full	4.57	5.30	/	Pass
CP-OFDM 256 QAM	1880	Outer_Full	4.59	5.35	/	Pass
	1907.5	Outer_Full	4.57	5.40	/	Pass
	1852.5	Outer_Full	4.57	5.30	/	Pass

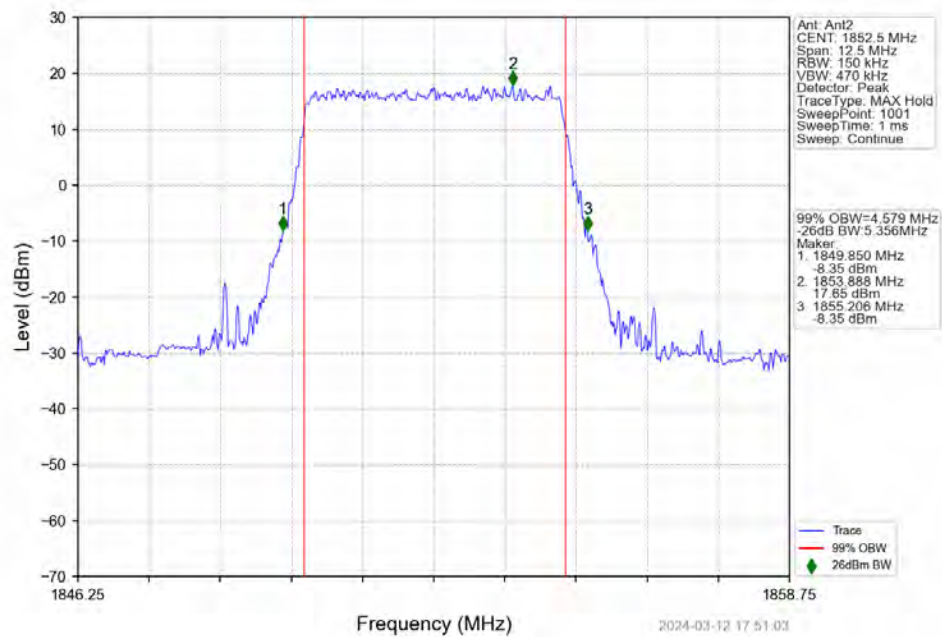
3.1.2 Test Graph



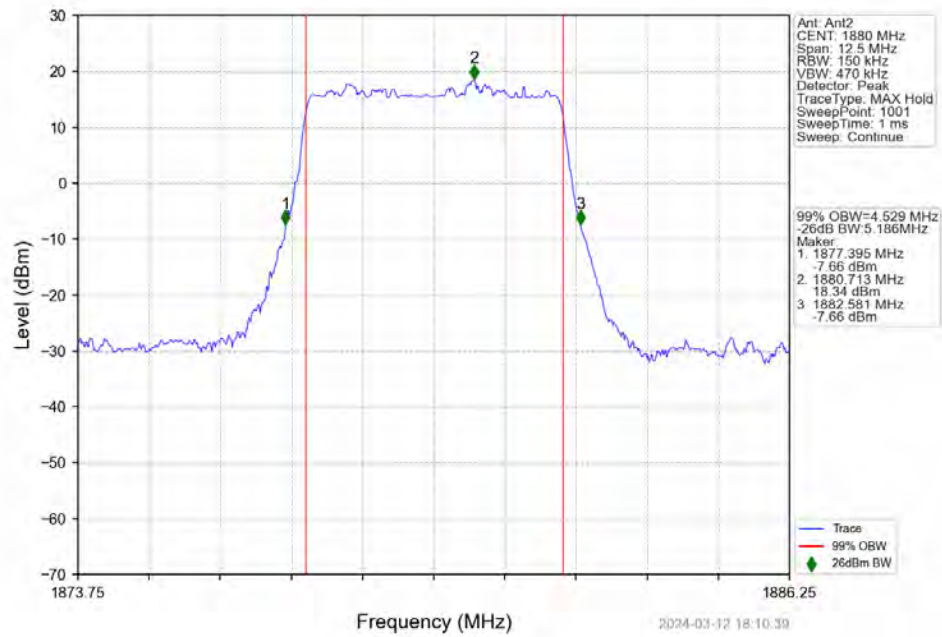
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1907.5MHz Outer Full



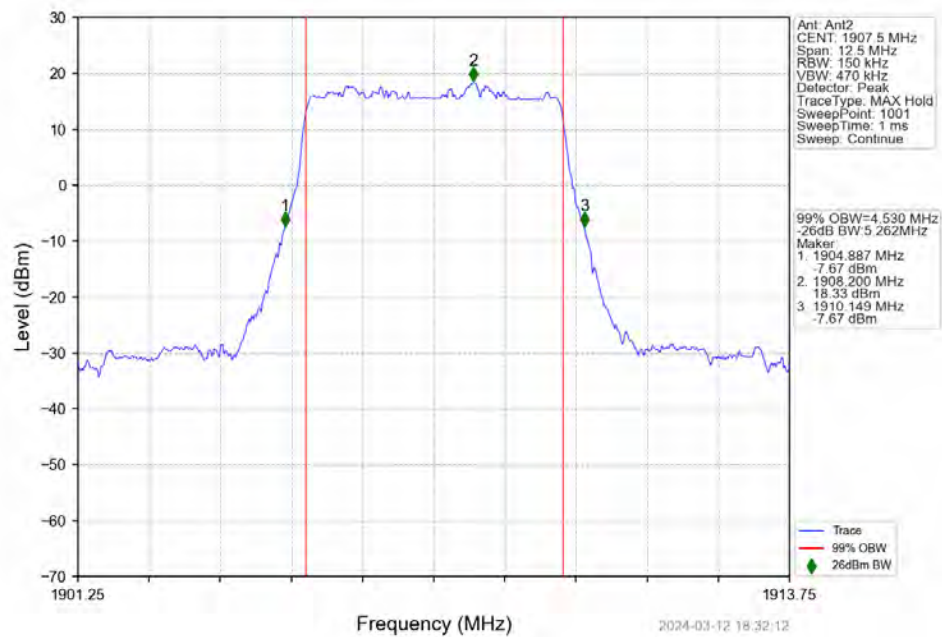
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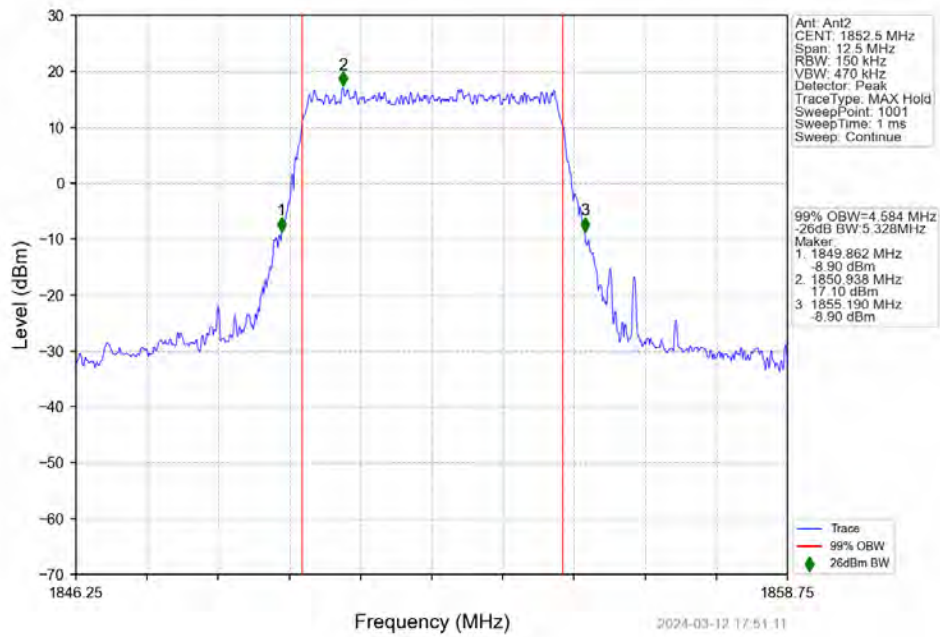
n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1880MHz_Outer_Full



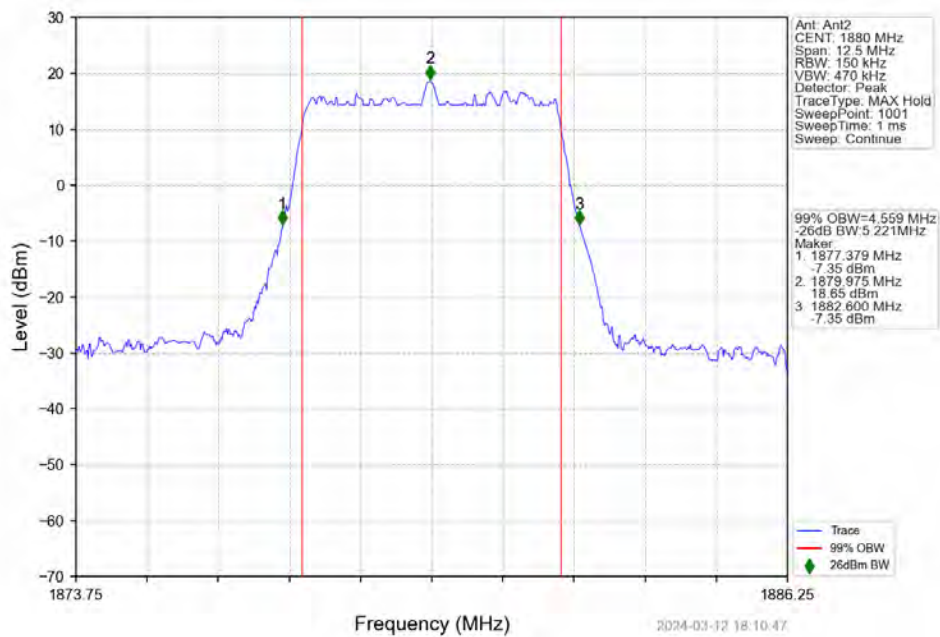
n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1907.5MHz_Outer_Full



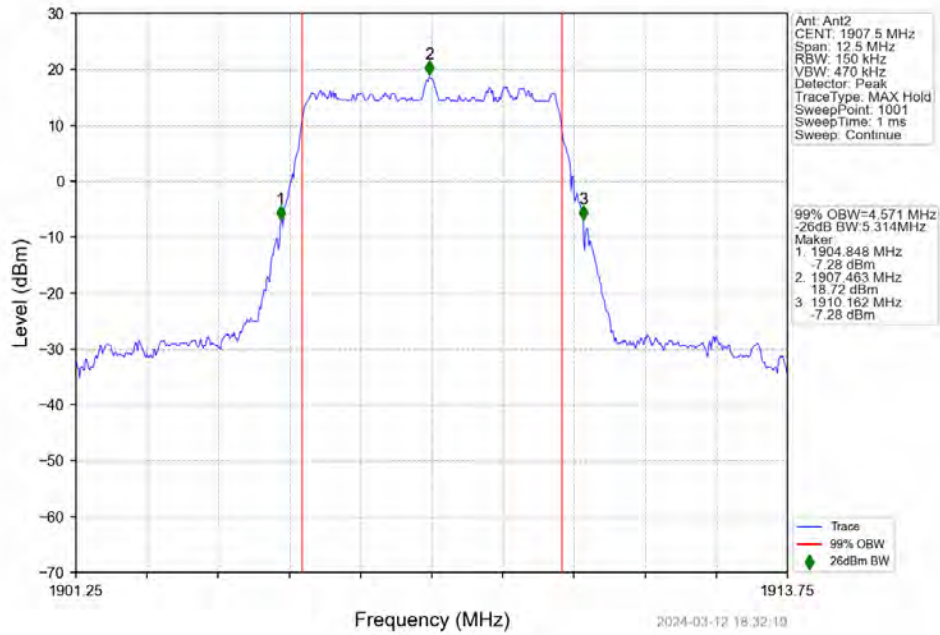
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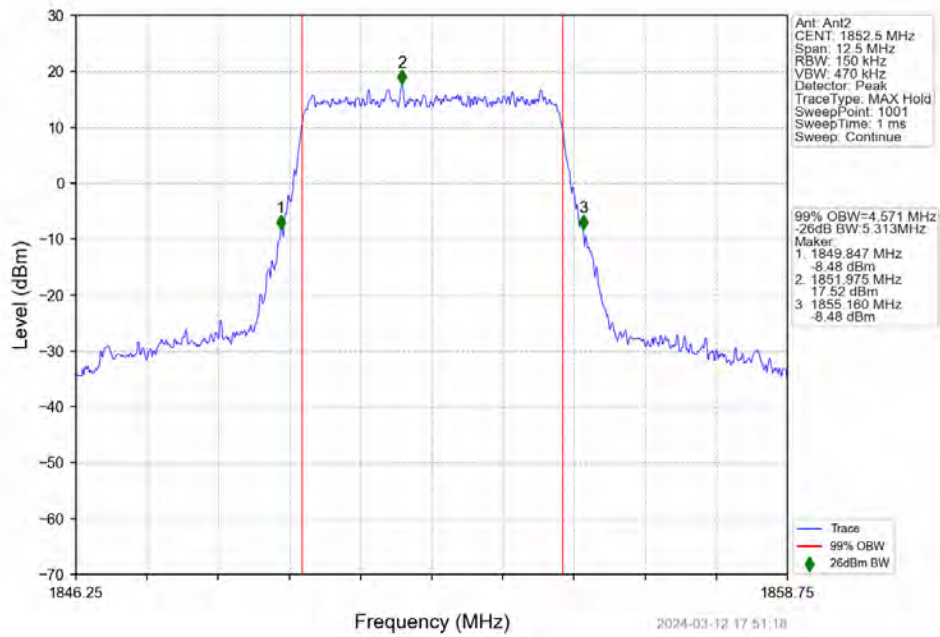
n2 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 1880MHz Outer Full



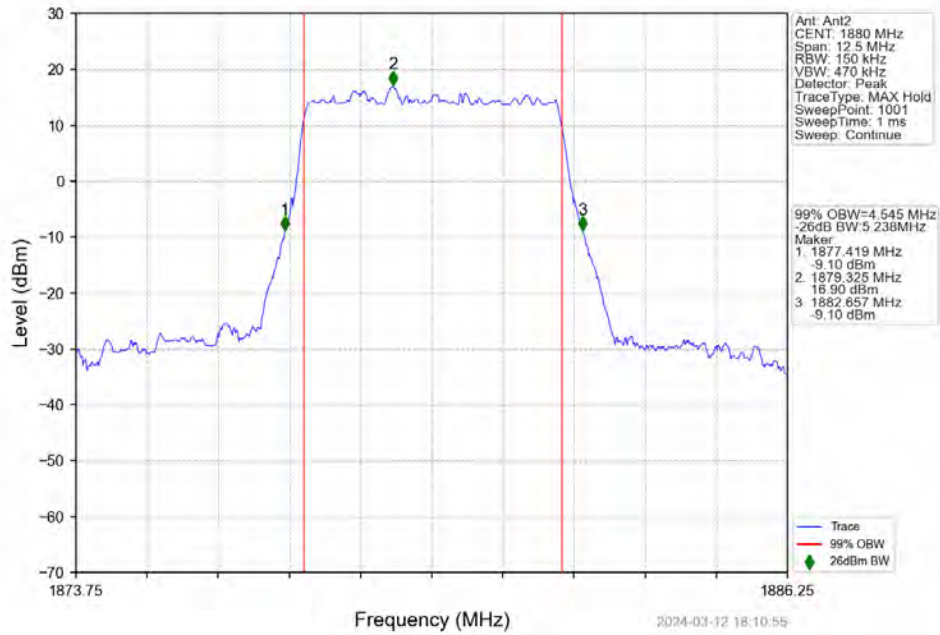
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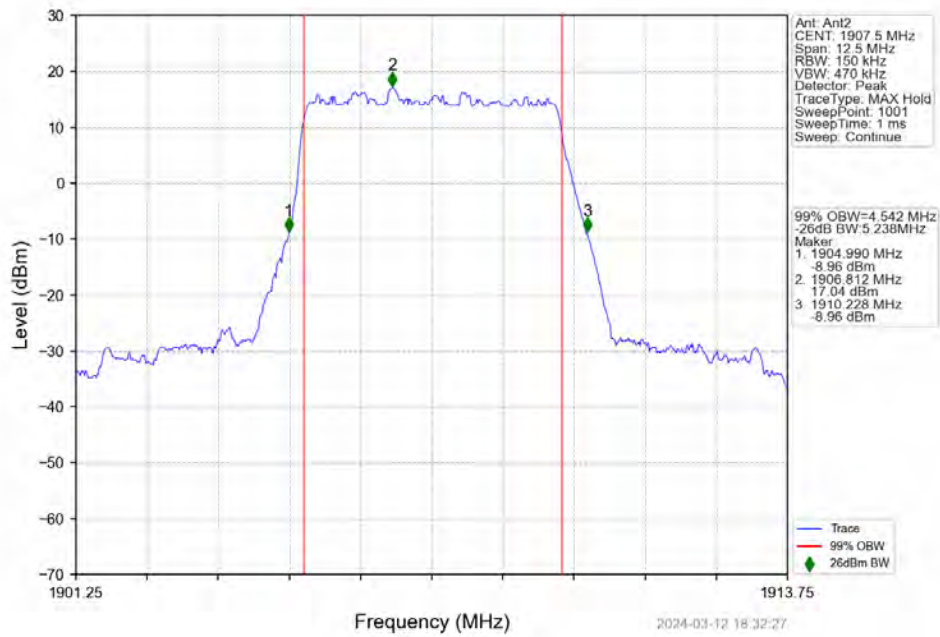
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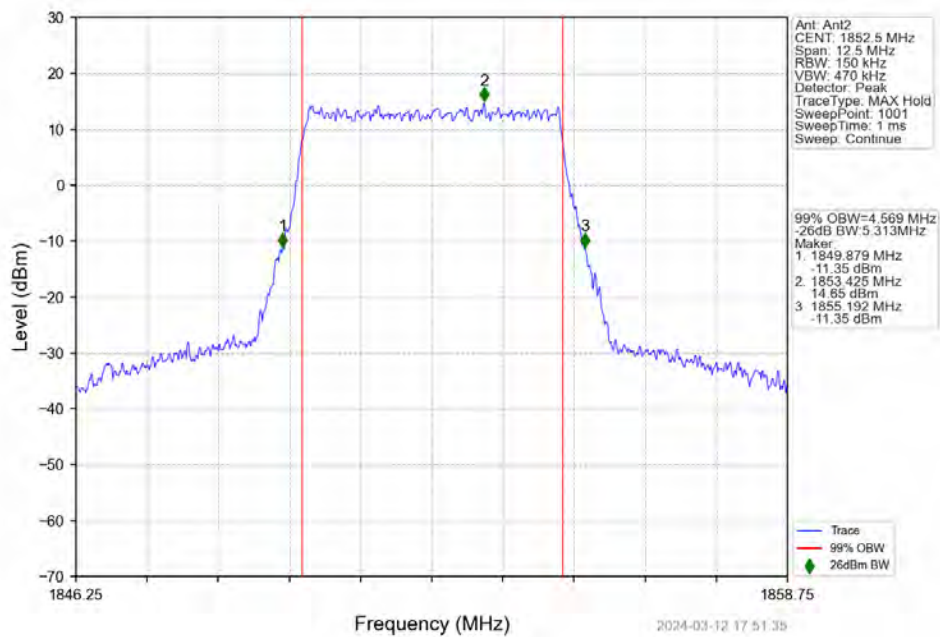
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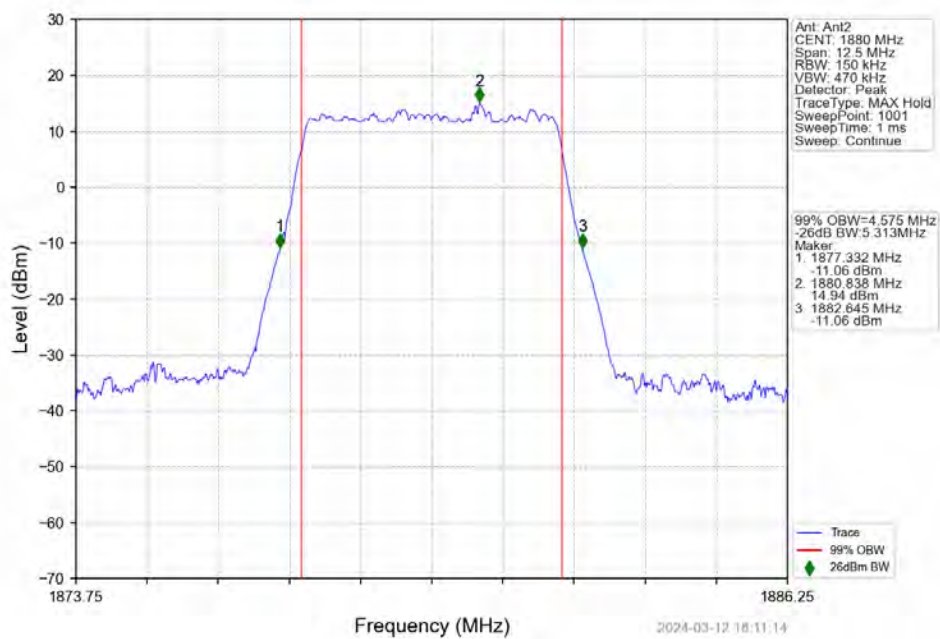
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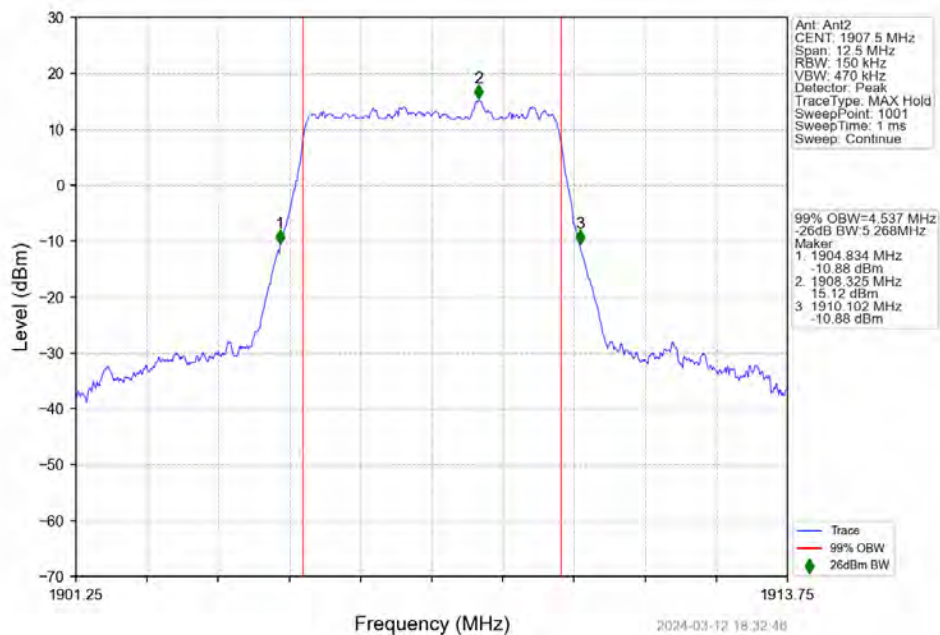
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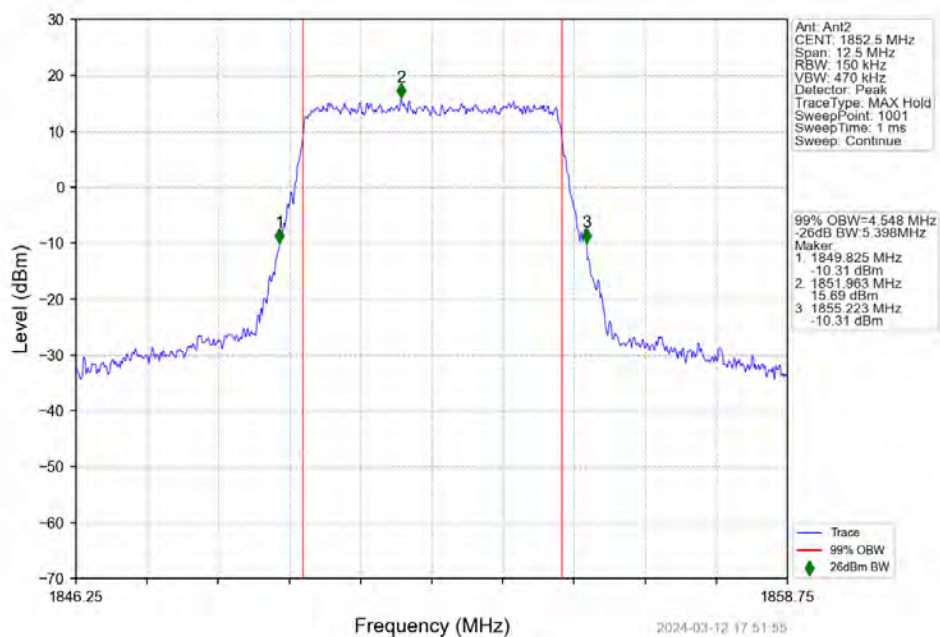
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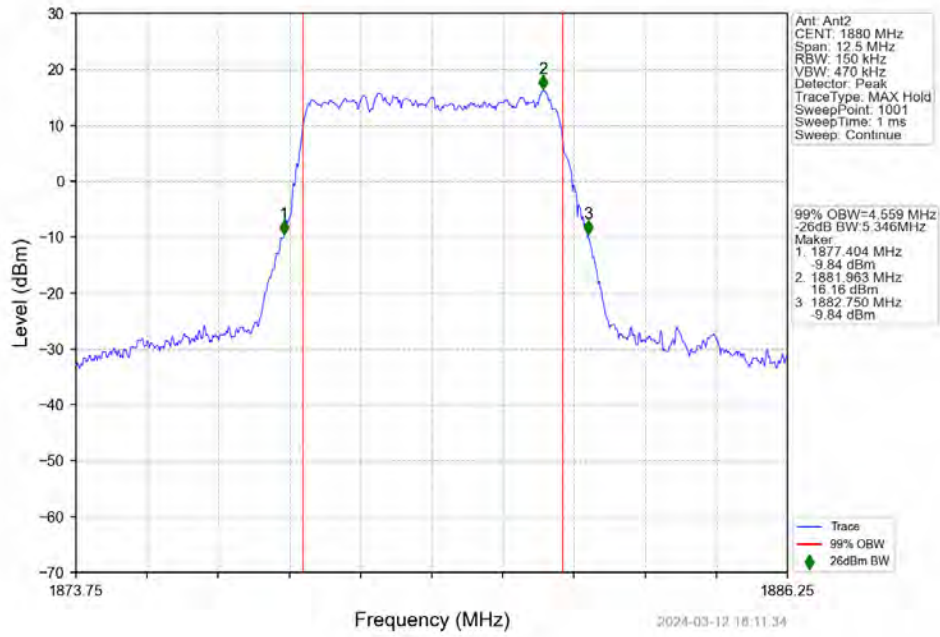
n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_1907.5MHz_Outer_Full



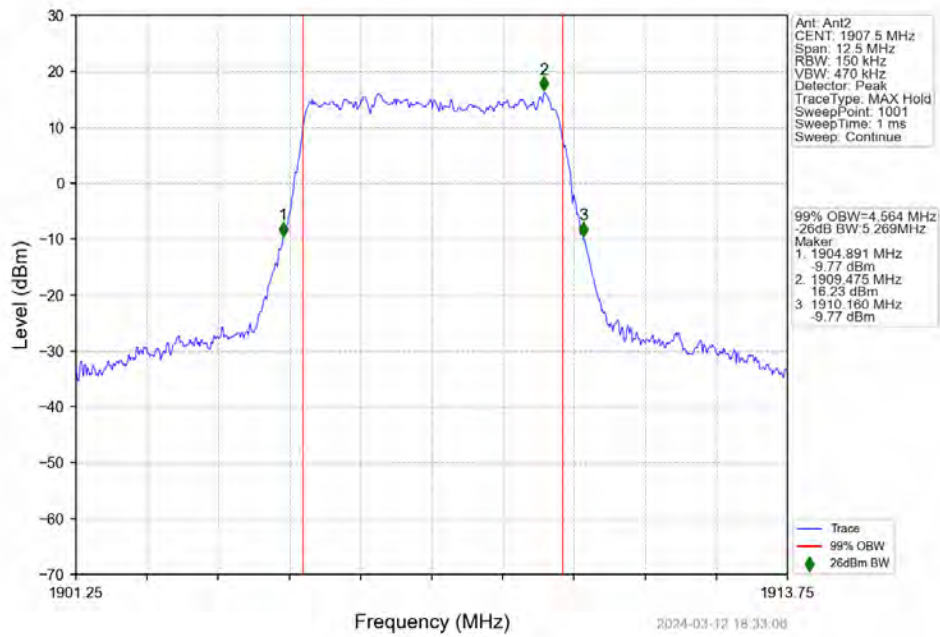
n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_1852.5MHz_Outer_Full



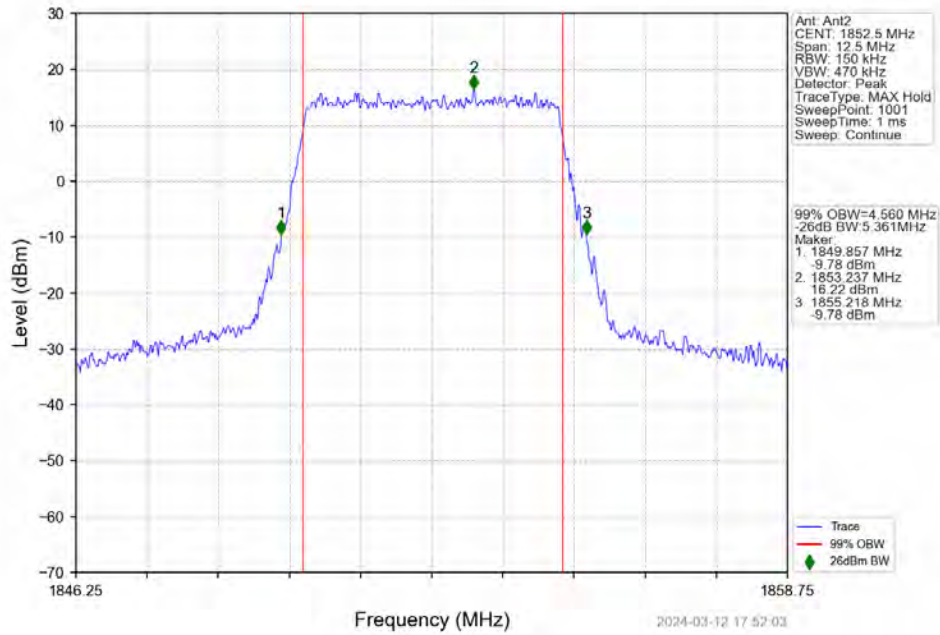
n2 15kHz SISO NTN 5MHz CP-OFDM QPSK 1880MHz Outer Full



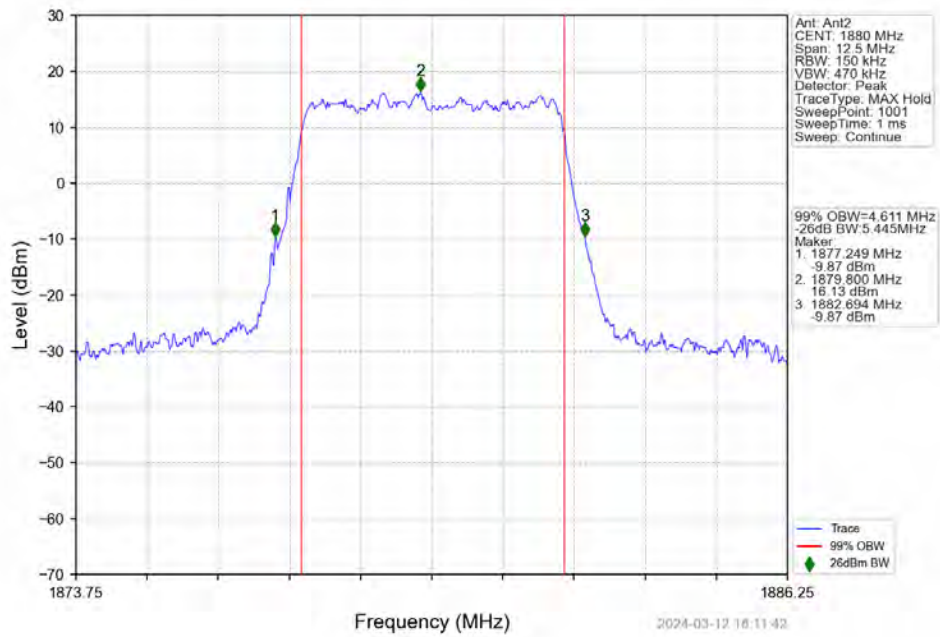
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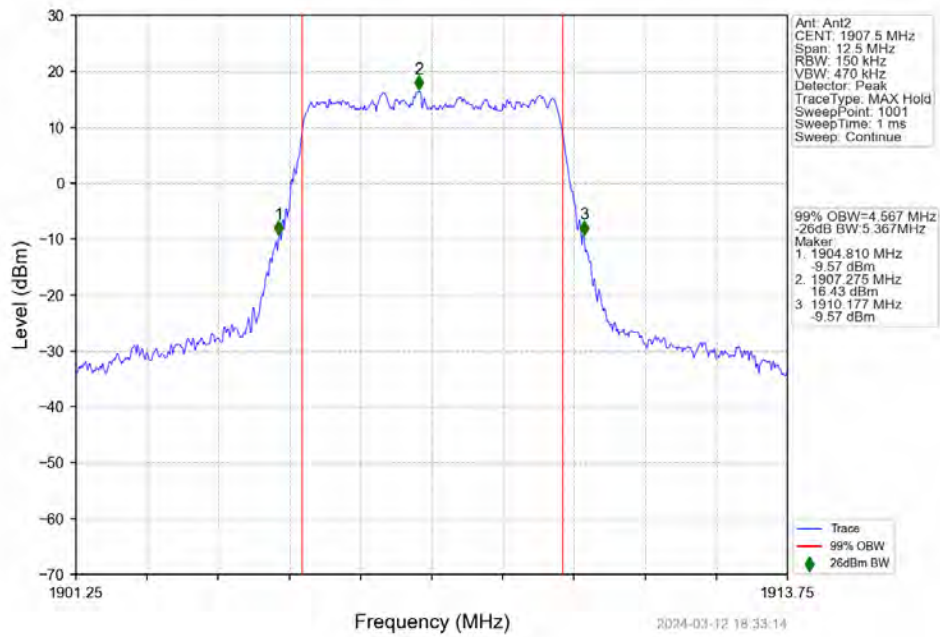
n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_1852.5MHz_Outer_Full



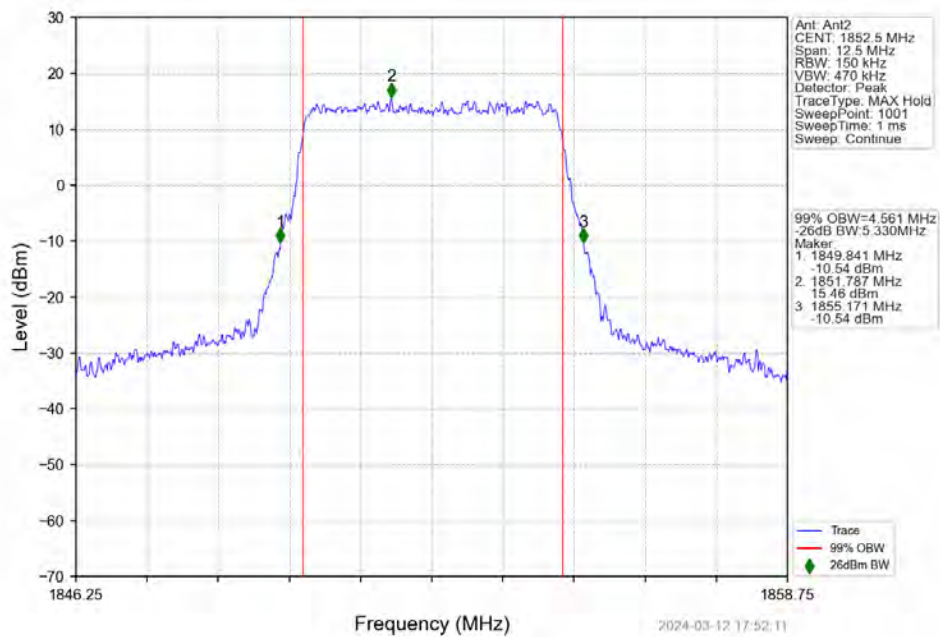
n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_1880MHz_Outer_Full



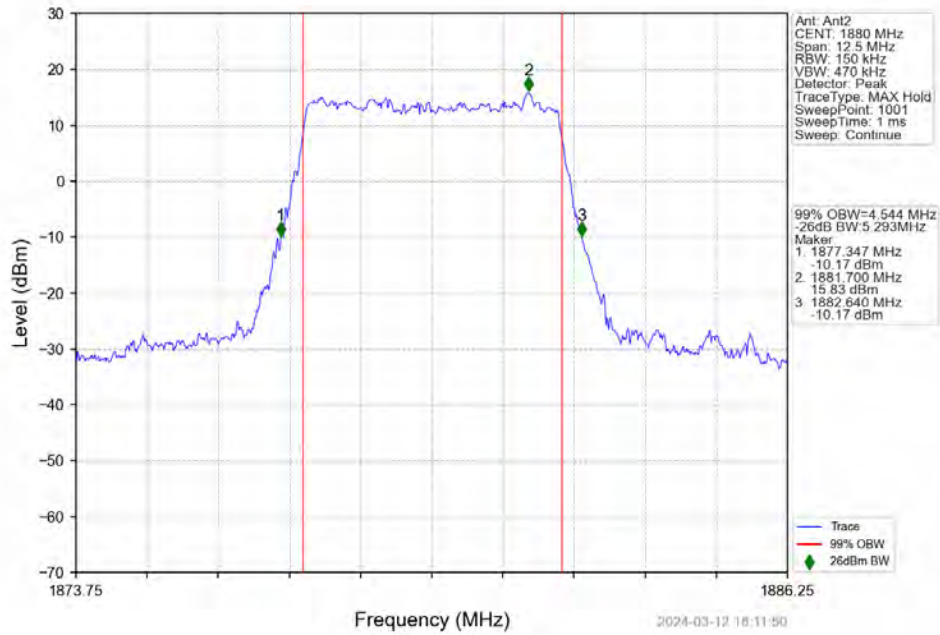
n2 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 1907.5MHz Outer Full



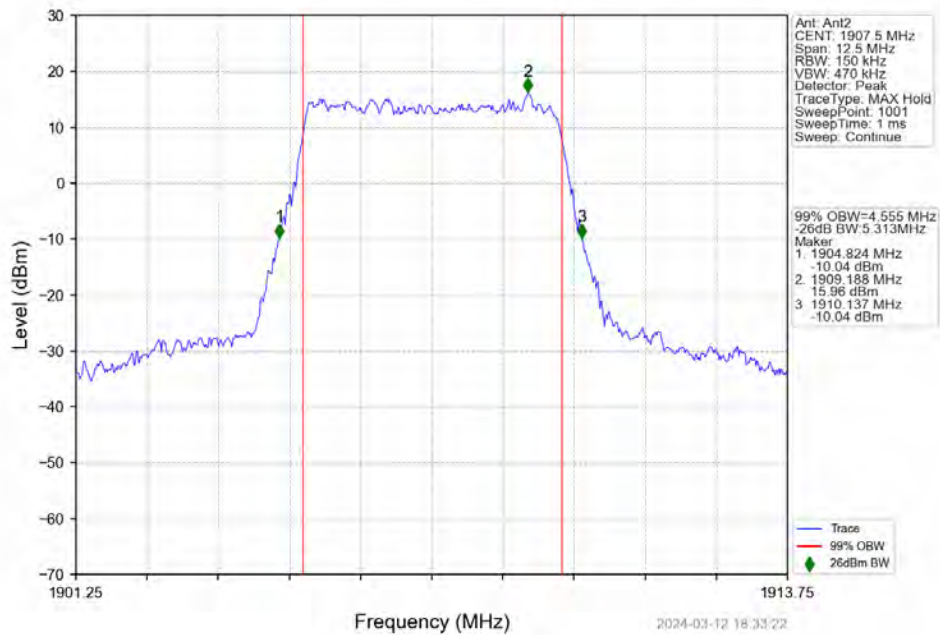
n2 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 1852.5MHz Outer Full



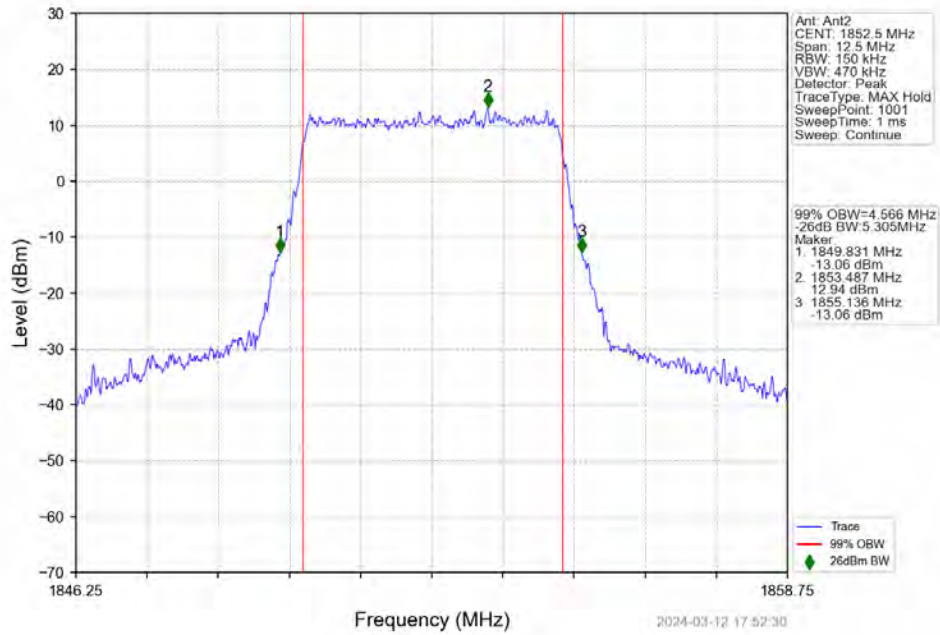
n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_1880MHz_Outer_Full



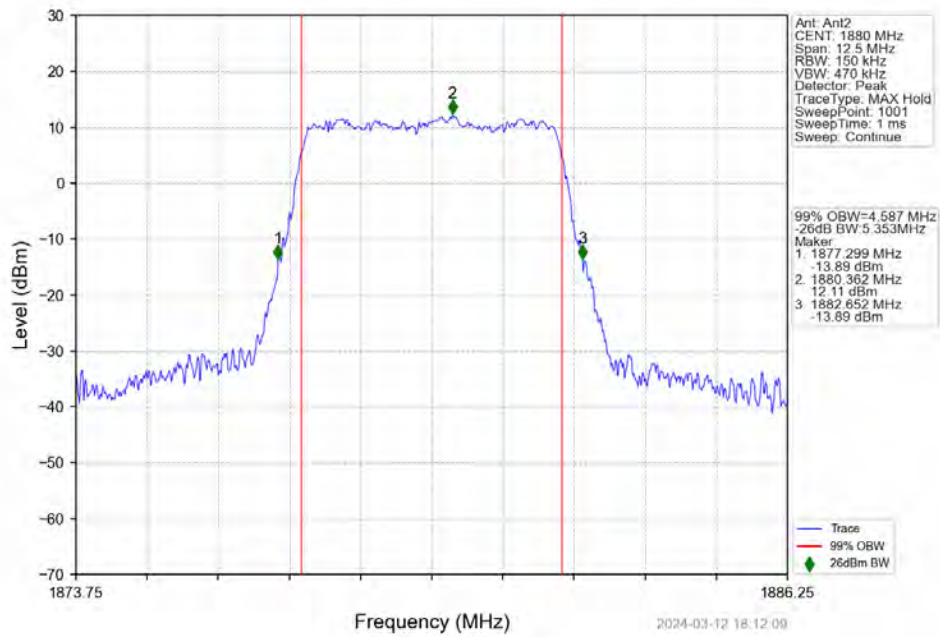
n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_1907.5MHz_Outer_Full

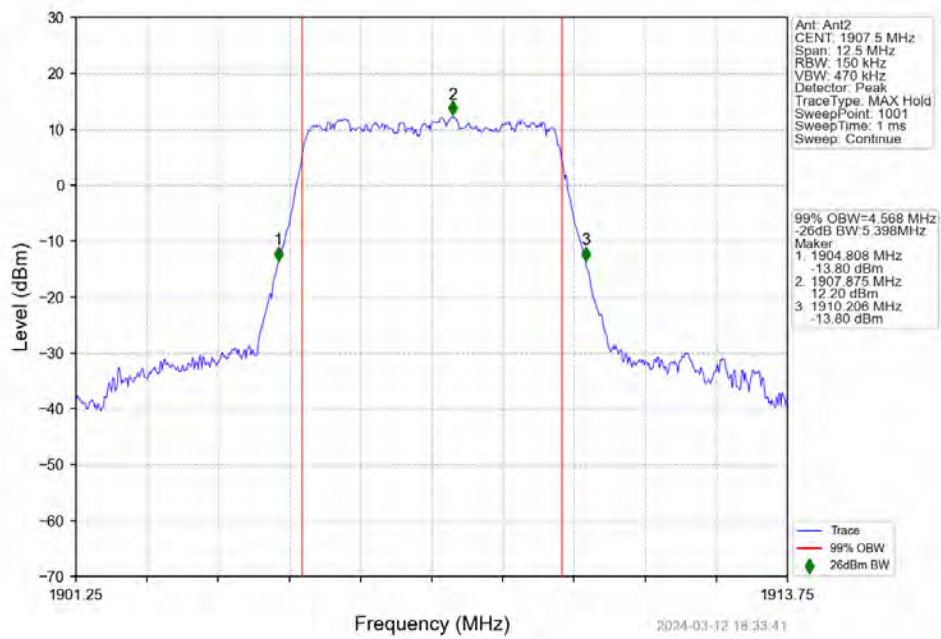


n2 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 1852.5MHz Outer Full



n2 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 1880MHz Outer Full



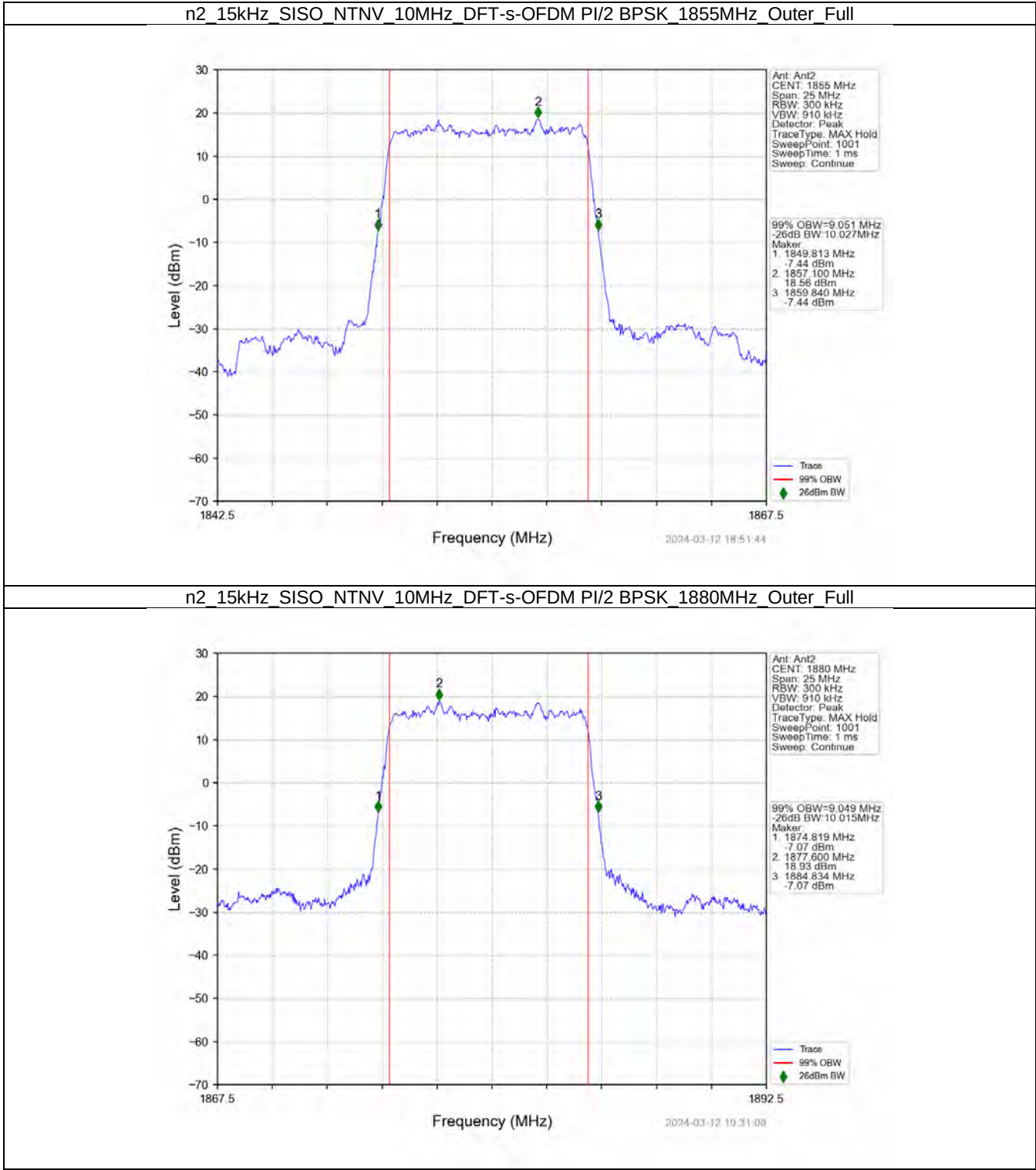


3.2 15k_SISO_10MHz_NTNV

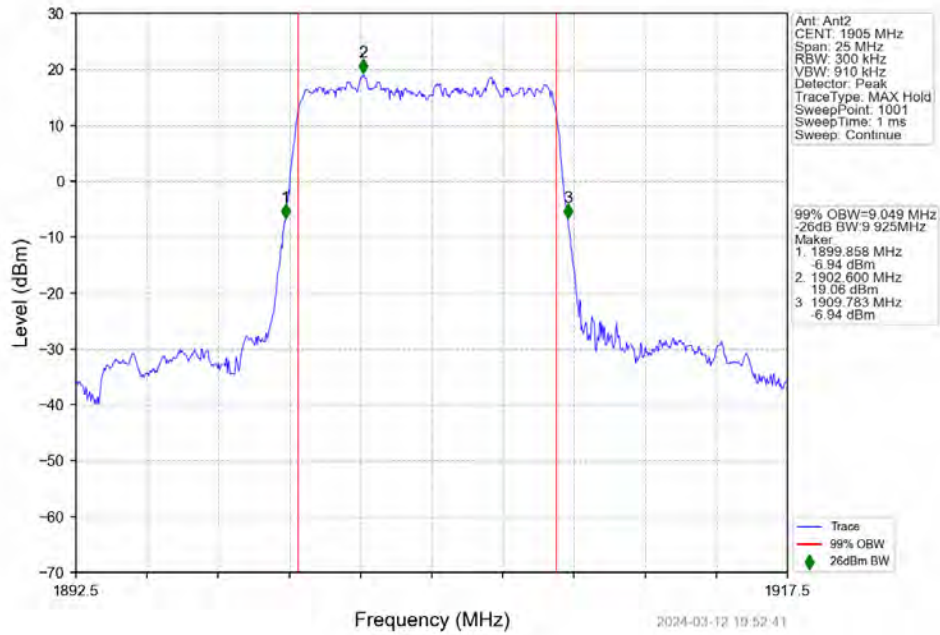
3.2.1 Test Result

5G NR n2 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	1855	Outer_Full	9.05	10.03	/	Pass
	1880	Outer_Full	9.05	10.02	/	Pass
	1905	Outer_Full	9.05	9.93	/	Pass
DFT-s-OFDM QPSK	1855	Outer_Full	9.08	10.01	/	Pass
	1880	Outer_Full	9.08	9.99	/	Pass
	1905	Outer_Full	9.08	10.09	/	Pass
DFT-s-OFDM 16 QAM	1855	Outer_Full	9.07	10.00	/	Pass
	1880	Outer_Full	9.08	10.11	/	Pass
	1905	Outer_Full	9.07	10.05	/	Pass
DFT-s-OFDM 64 QAM	1855	Outer_Full	9.04	10.00	/	Pass
	1880	Outer_Full	9.05	10.10	/	Pass
	1905	Outer_Full	9.05	10.08	/	Pass
DFT-s-OFDM 256 QAM	1855	Outer_Full	9.06	9.96	/	Pass
	1880	Outer_Full	9.06	10.01	/	Pass
	1905	Outer_Full	9.06	10.09	/	Pass
CP-OFDM QPSK	1855	Outer_Full	9.40	10.44	/	Pass
	1880	Outer_Full	9.42	10.43	/	Pass
	1905	Outer_Full	9.38	10.52	/	Pass
CP-OFDM 16 QAM	1855	Outer_Full	9.39	10.42	/	Pass
	1880	Outer_Full	9.41	10.39	/	Pass
	1905	Outer_Full	9.41	10.37	/	Pass
CP-OFDM 64 QAM	1855	Outer_Full	9.37	10.37	/	Pass
	1880	Outer_Full	9.37	10.32	/	Pass
	1905	Outer_Full	9.37	10.35	/	Pass
CP-OFDM 256 QAM	1855	Outer_Full	9.42	10.47	/	Pass
	1880	Outer_Full	9.43	10.47	/	Pass
	1905	Outer_Full	9.42	10.41	/	Pass

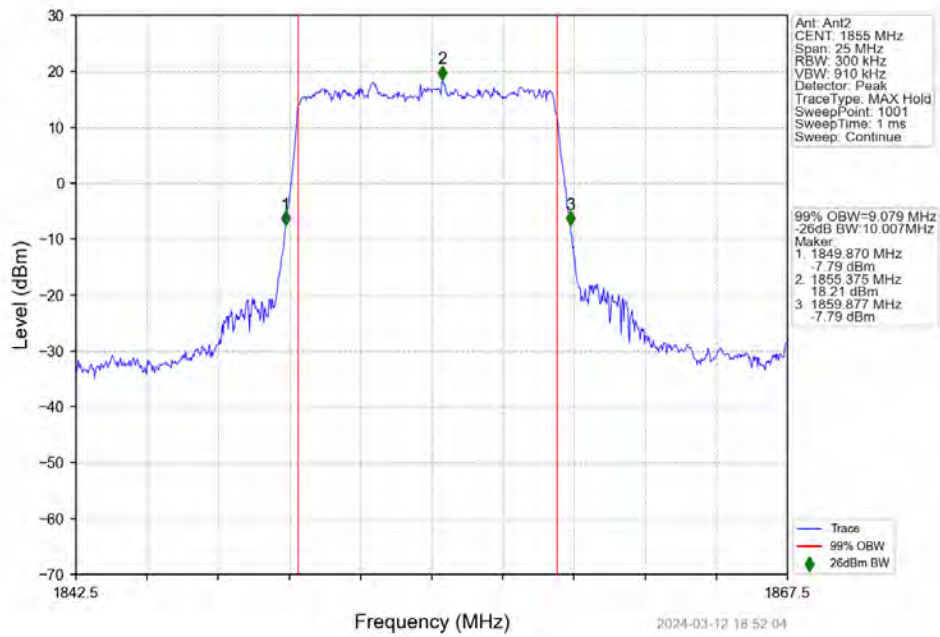
3.2.2 Test Graph



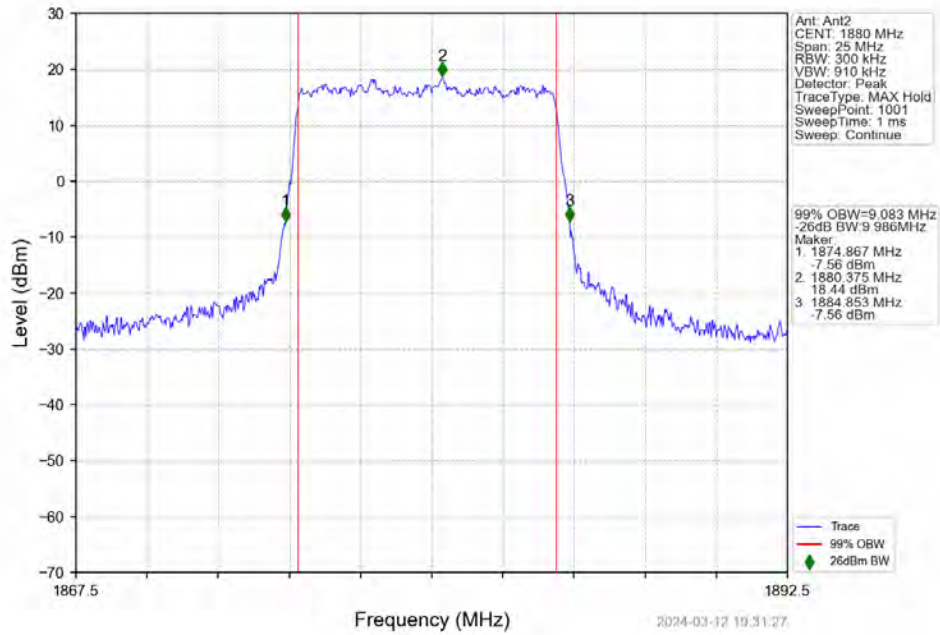
n2 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 1905MHz Outer Full



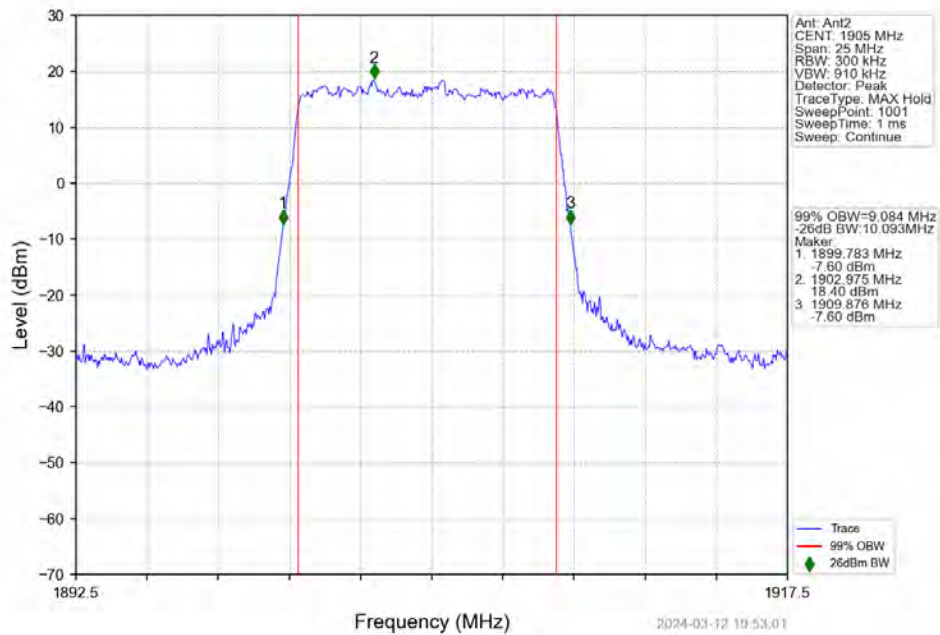
n2 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1855MHz Outer Full



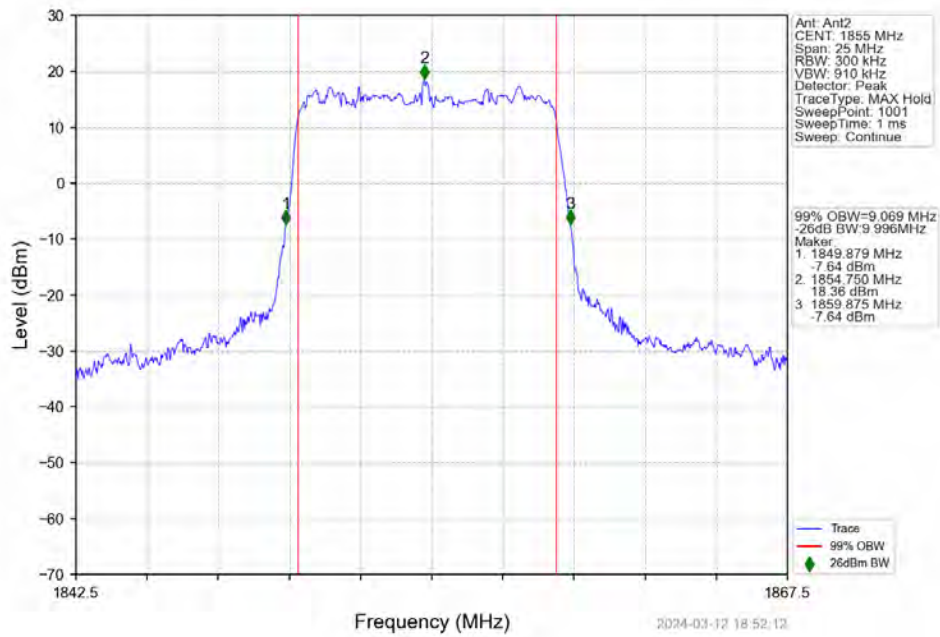
n2 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1880MHz Outer Full



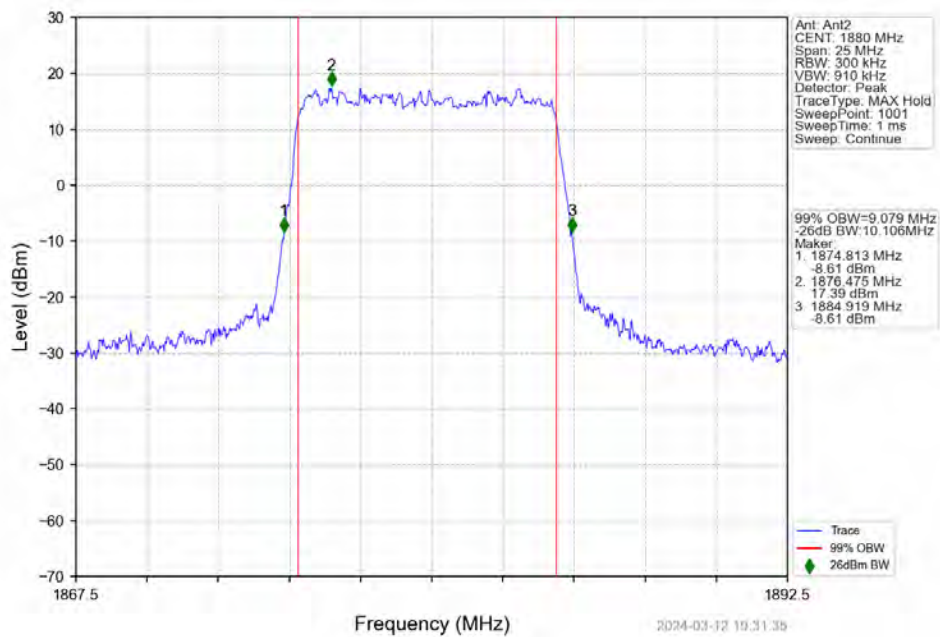
n2 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1905MHz Outer Full



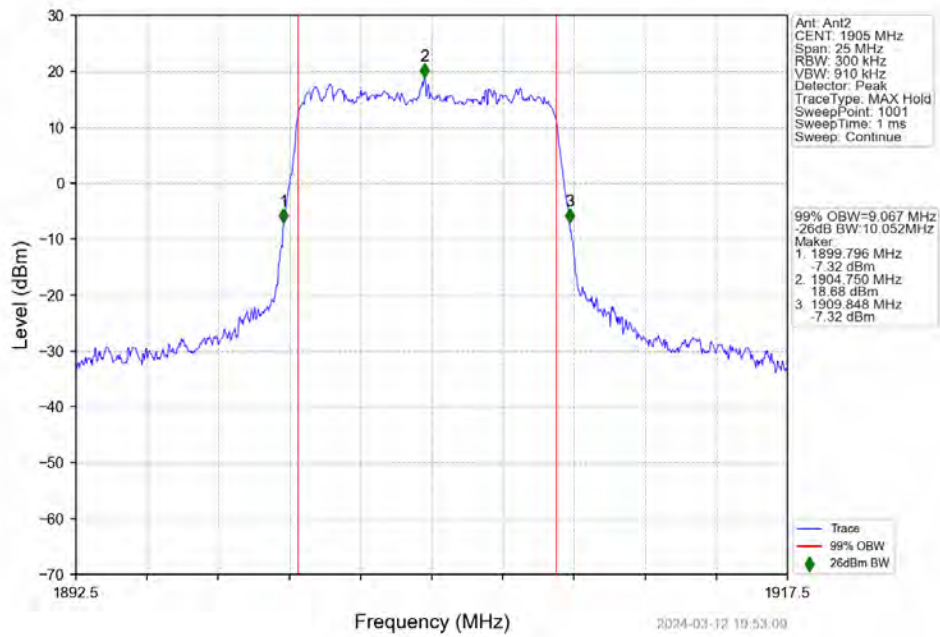
n2 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 1855MHz Outer Full



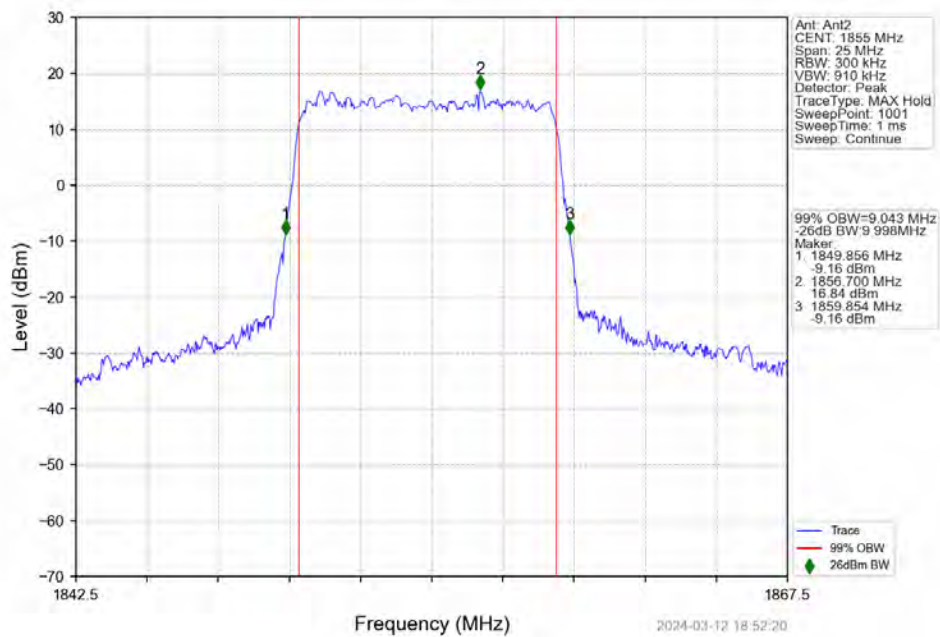
n2 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 1880MHz Outer Full



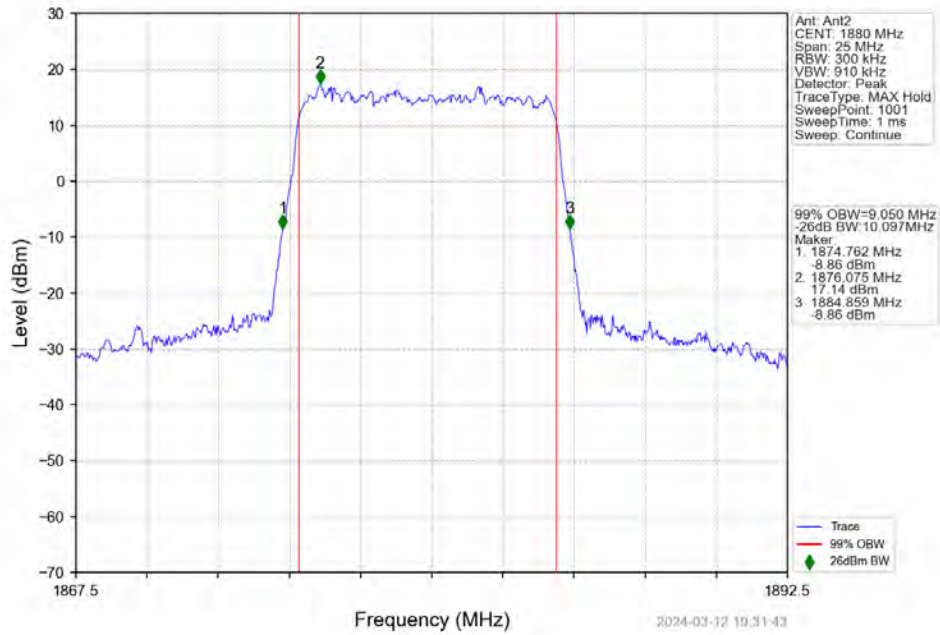
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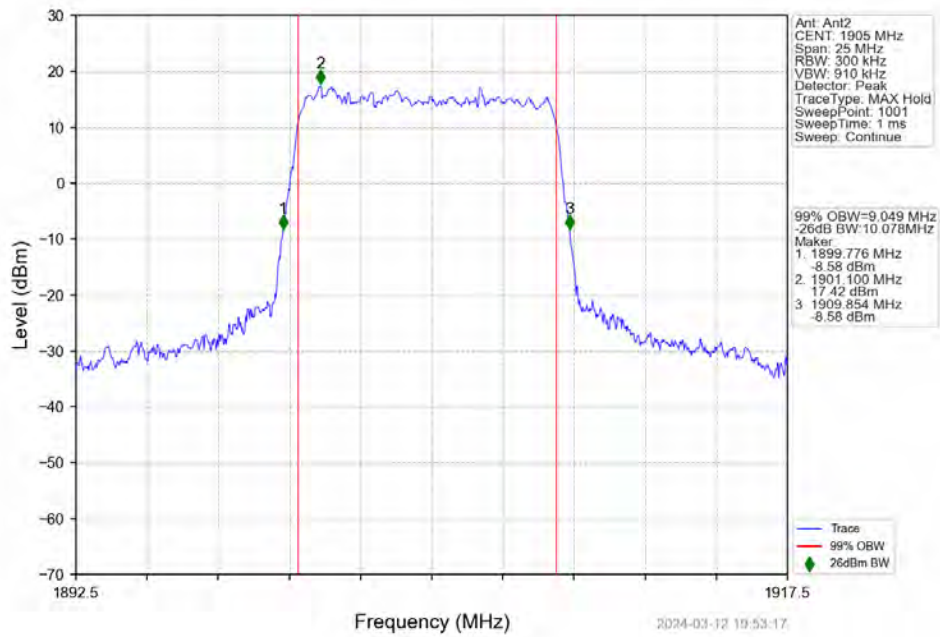
n2 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 1855MHz Outer Full



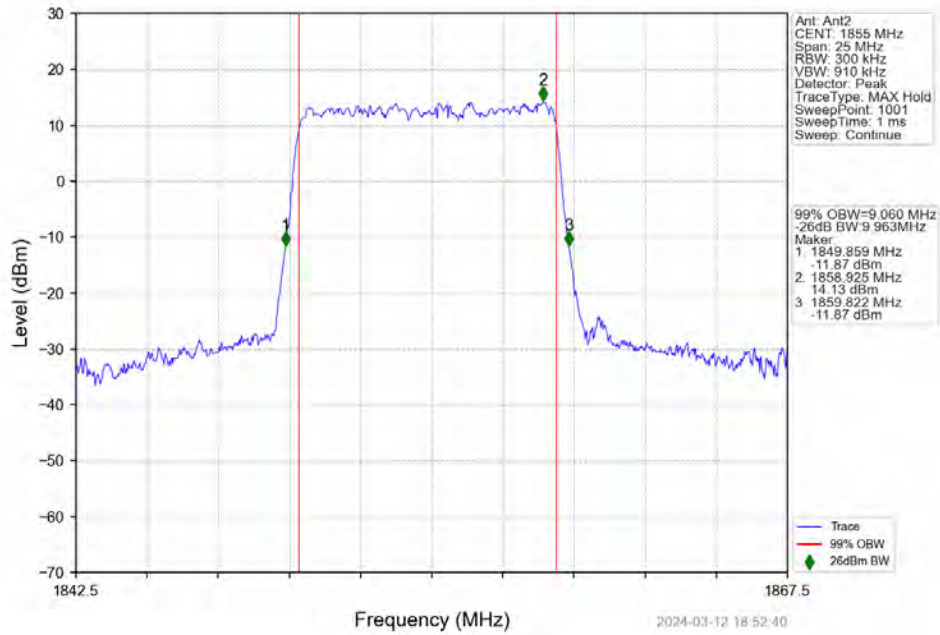
n2 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 1880MHz Outer Full



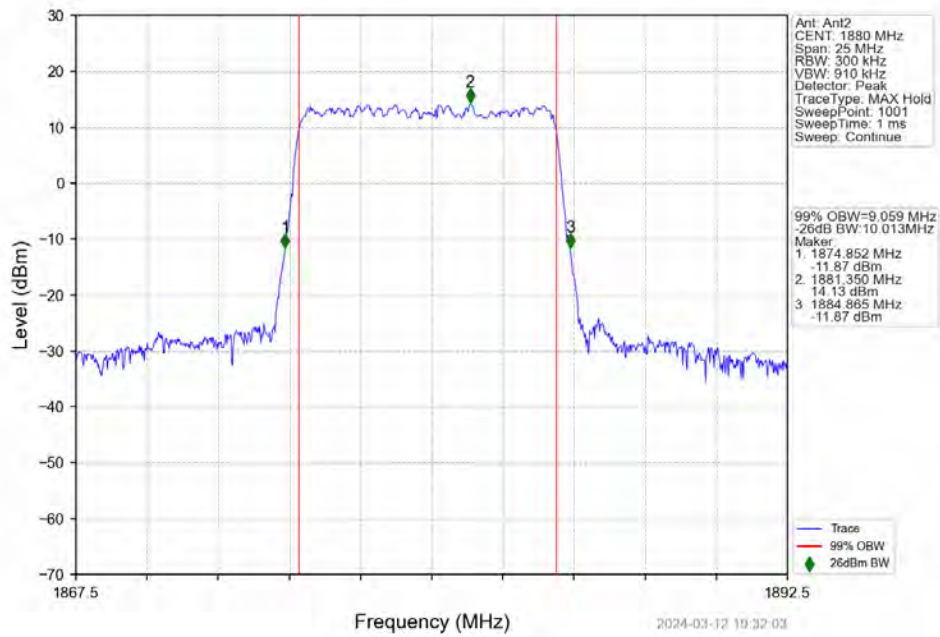
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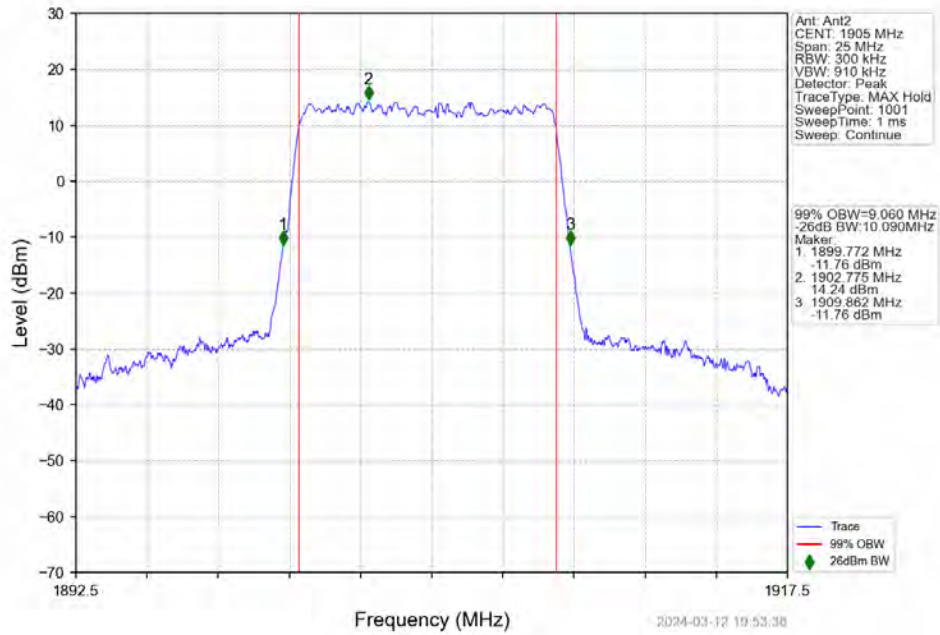
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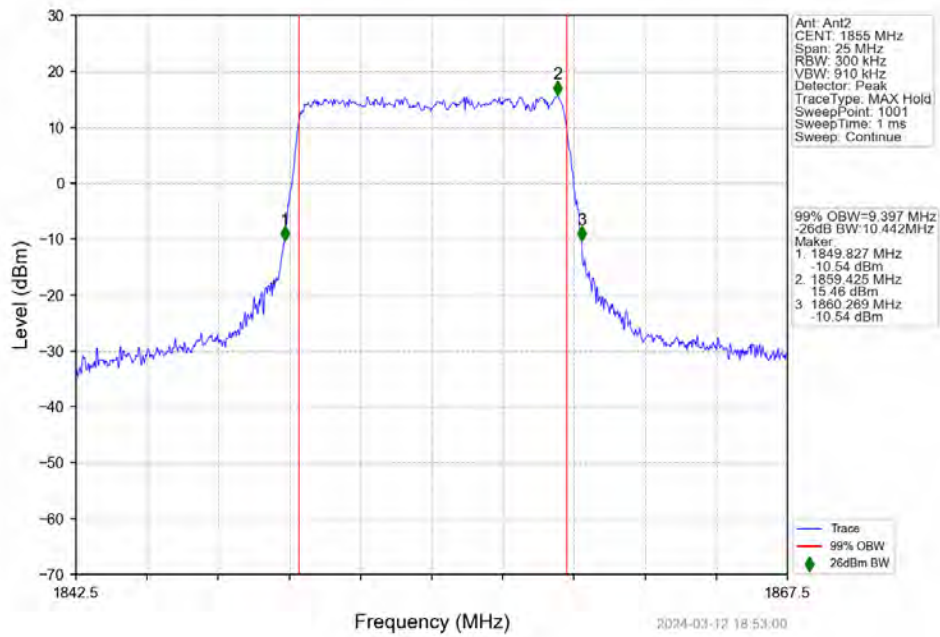
n2 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 1880MHz Outer Full



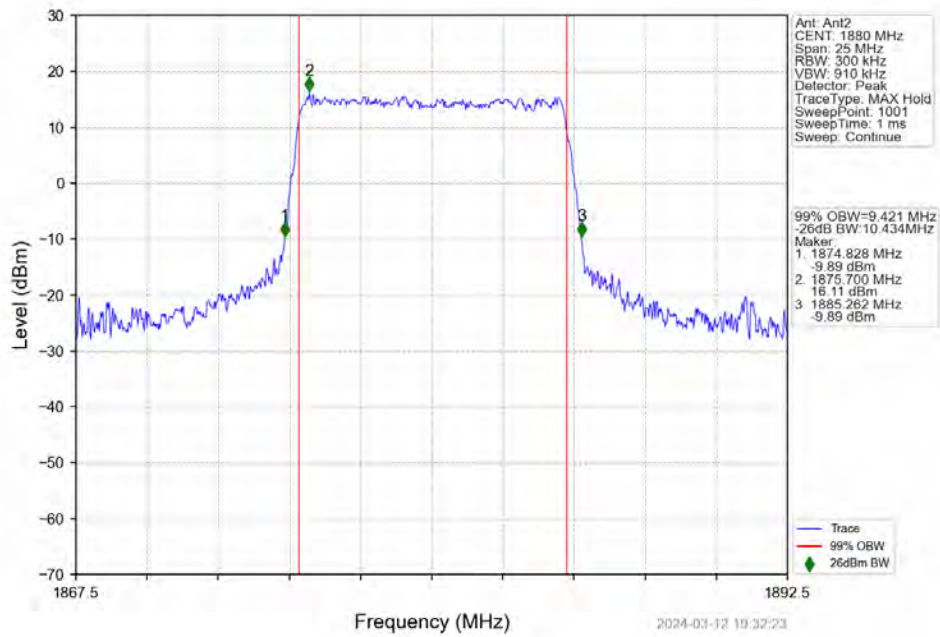
n2 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 1905MHz Outer Full



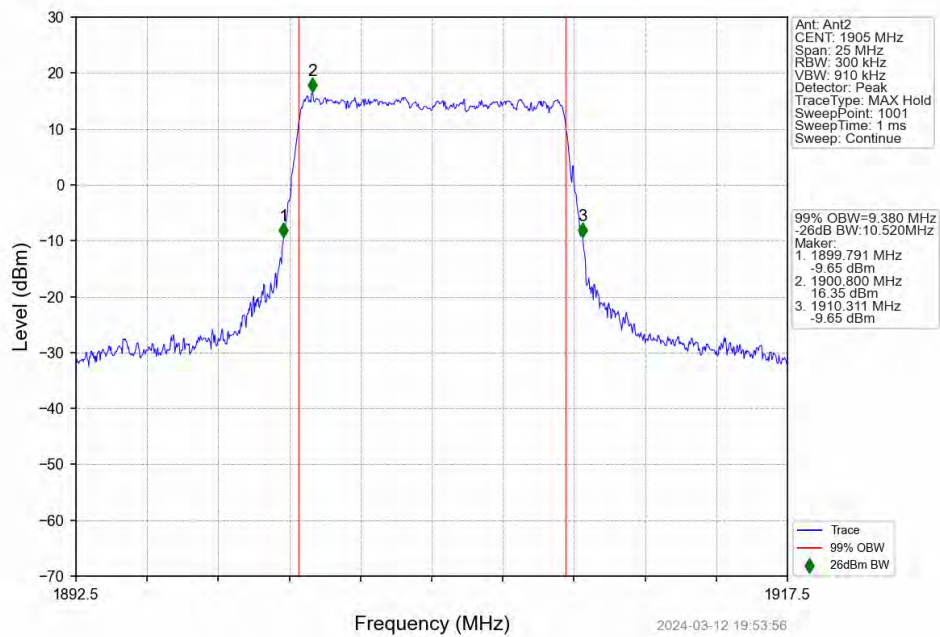
n2 15kHz SISO NTN 10MHz CP-OFDM QPSK 1855MHz Outer Full



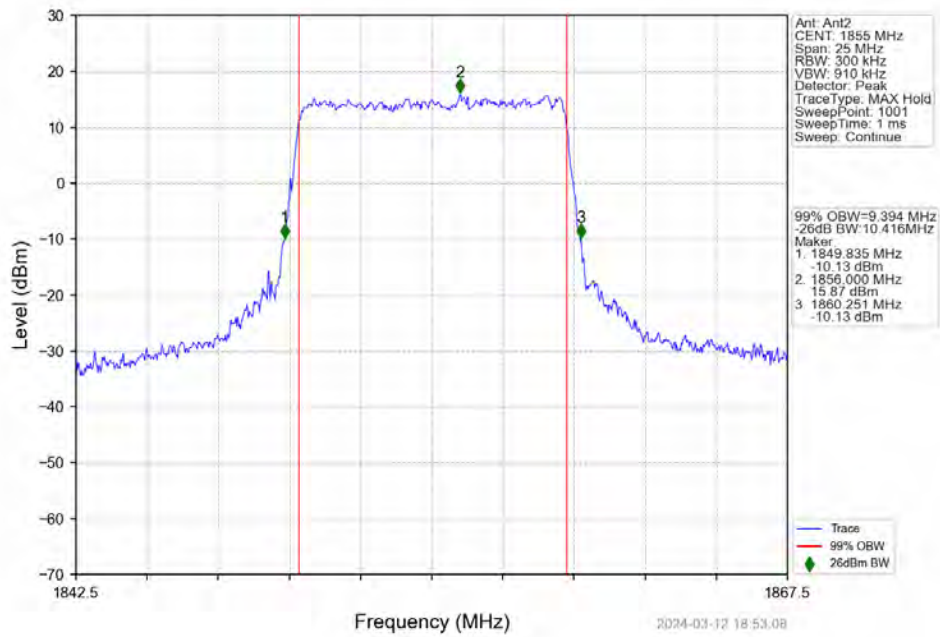
n2 15kHz SISO NTN 10MHz CP-OFDM QPSK 1880MHz Outer Full



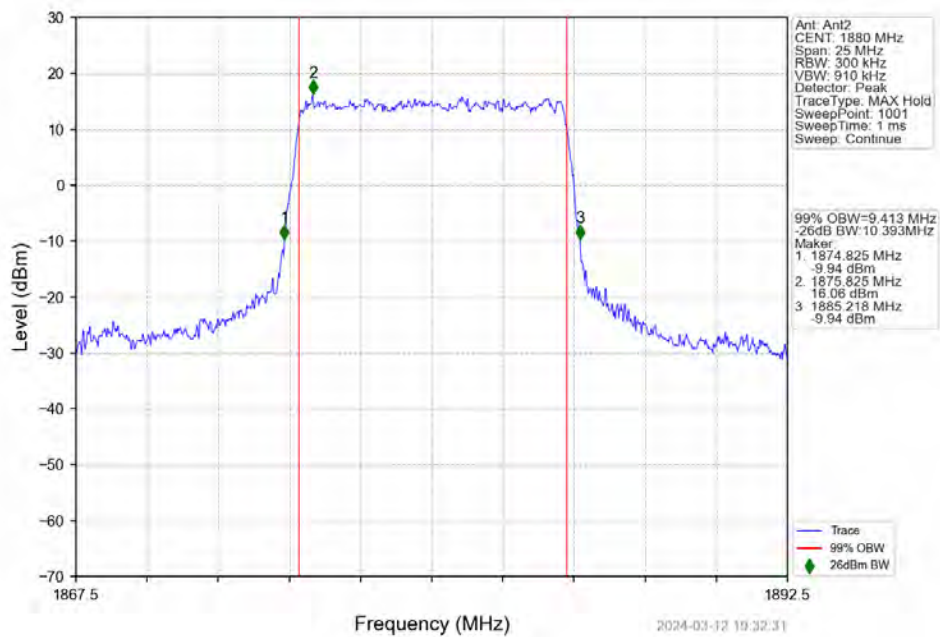
n2 15kHz SISO NTN 10MHz CP-OFDM QPSK 1905MHz Outer Full



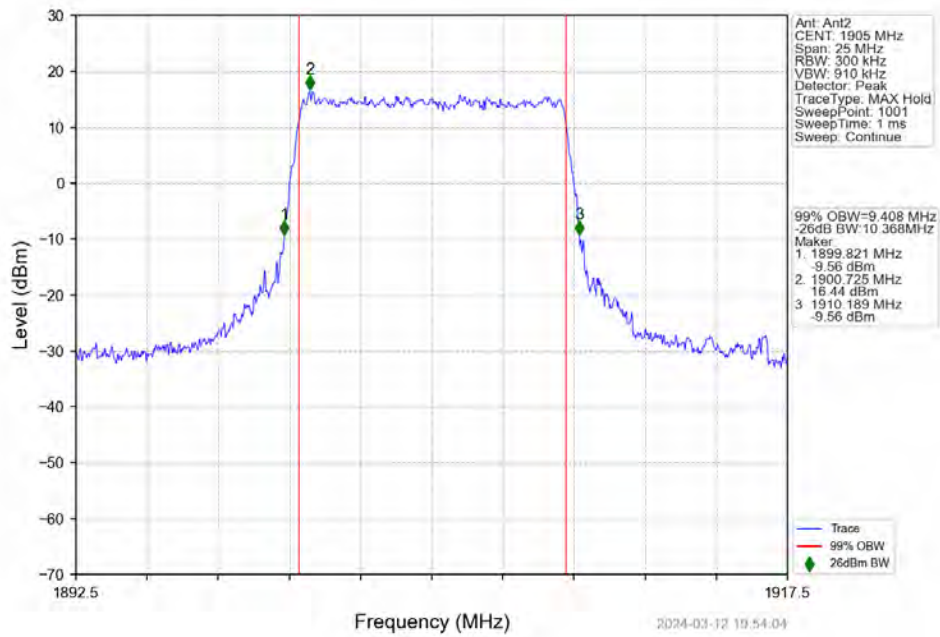
n2 15kHz SISO NTV 10MHz CP-OFDM 16 QAM 1855MHz Outer Full



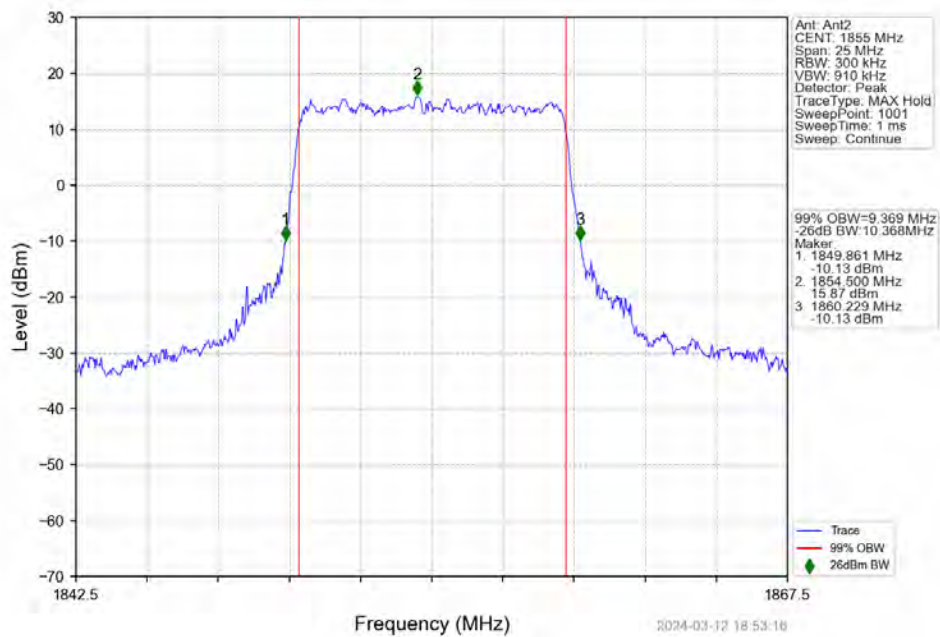
n2 15kHz SISO NTV 10MHz CP-OFDM 16 QAM 1880MHz Outer Full



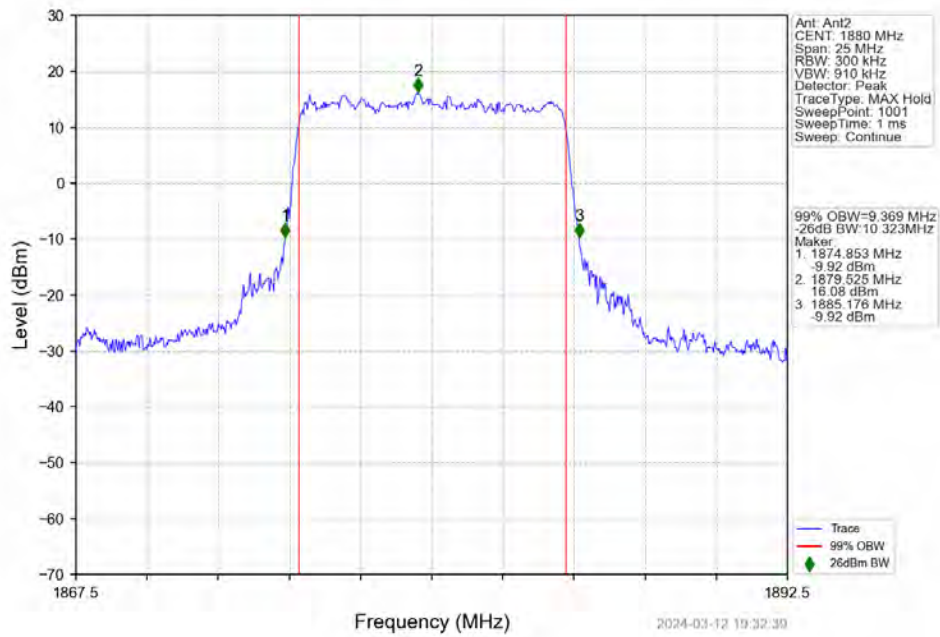
n2 15kHz SISO NTV 10MHz CP-OFDM 16 QAM 1905MHz Outer Full



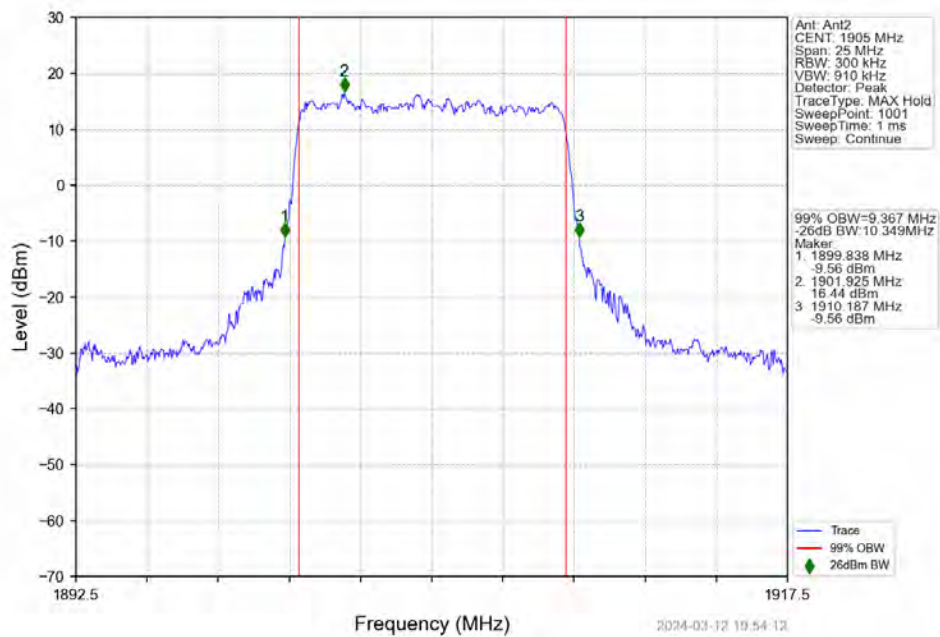
n2 15kHz SISO NTV 10MHz CP-OFDM 64 QAM 1855MHz Outer Full



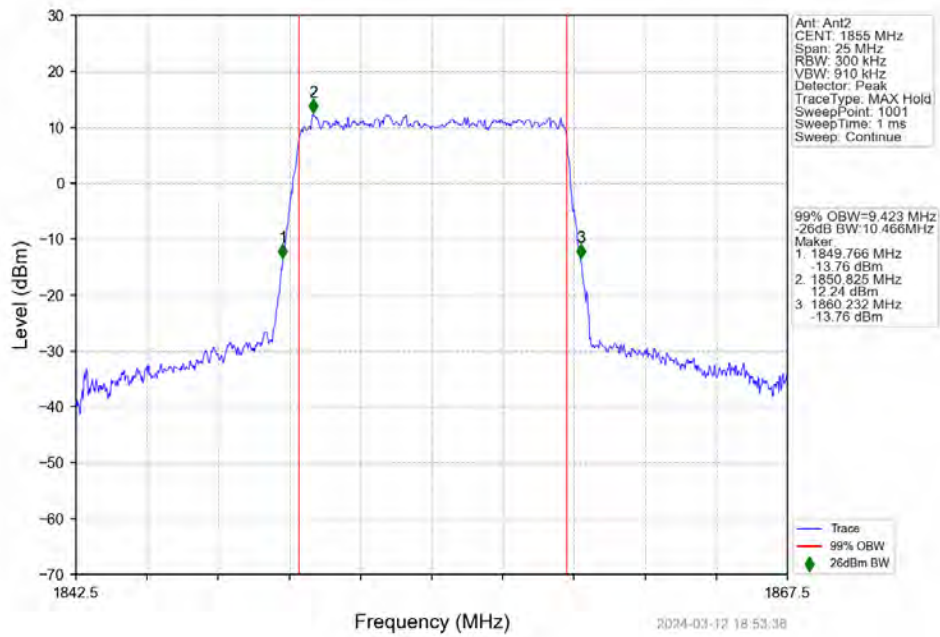
n2 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 1880MHz Outer Full



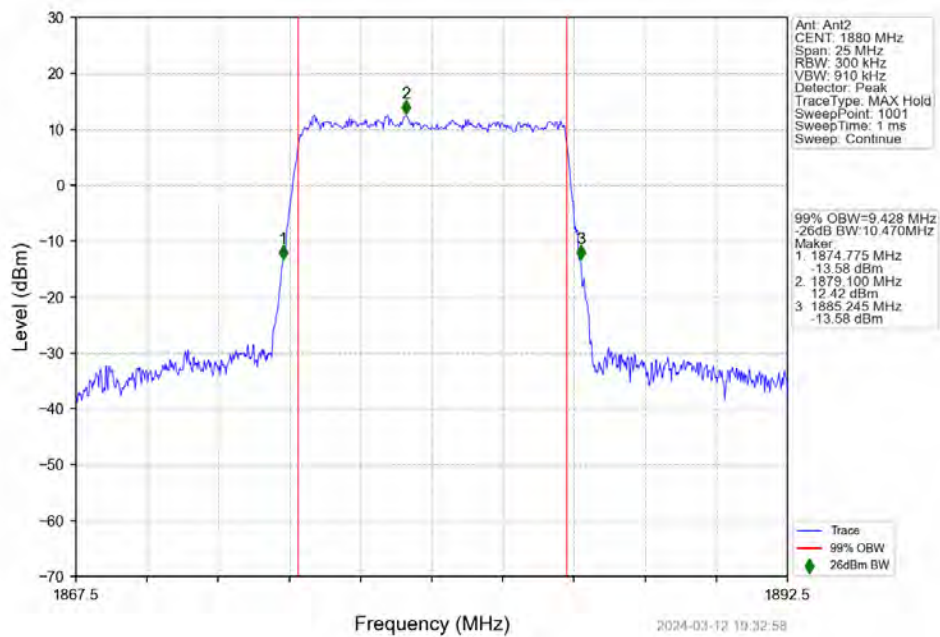
n2 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 1905MHz Outer Full



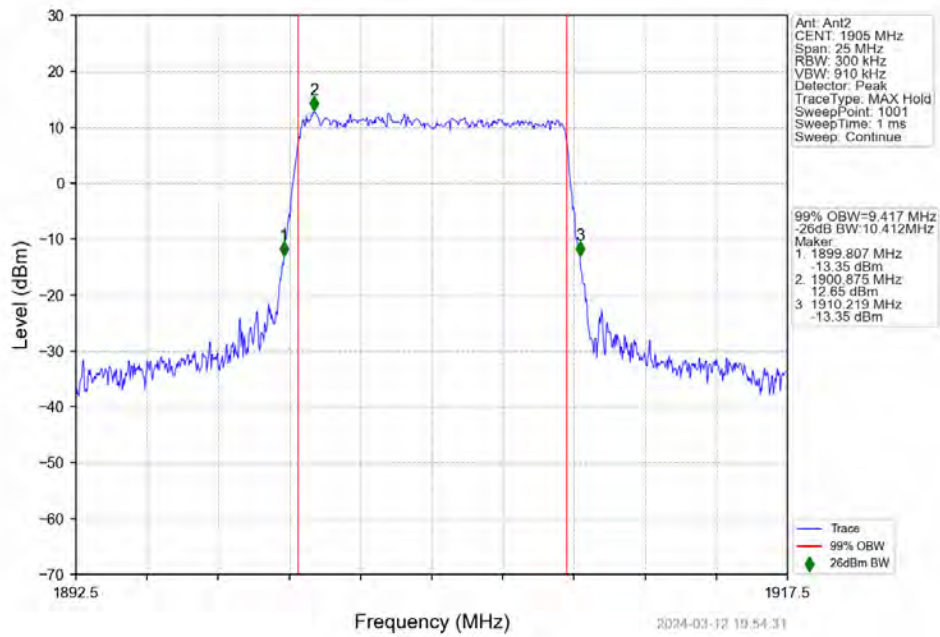
n2 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 1855MHz Outer Full



n2 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 1880MHz Outer Full



n2 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 1905MHz Outer Full

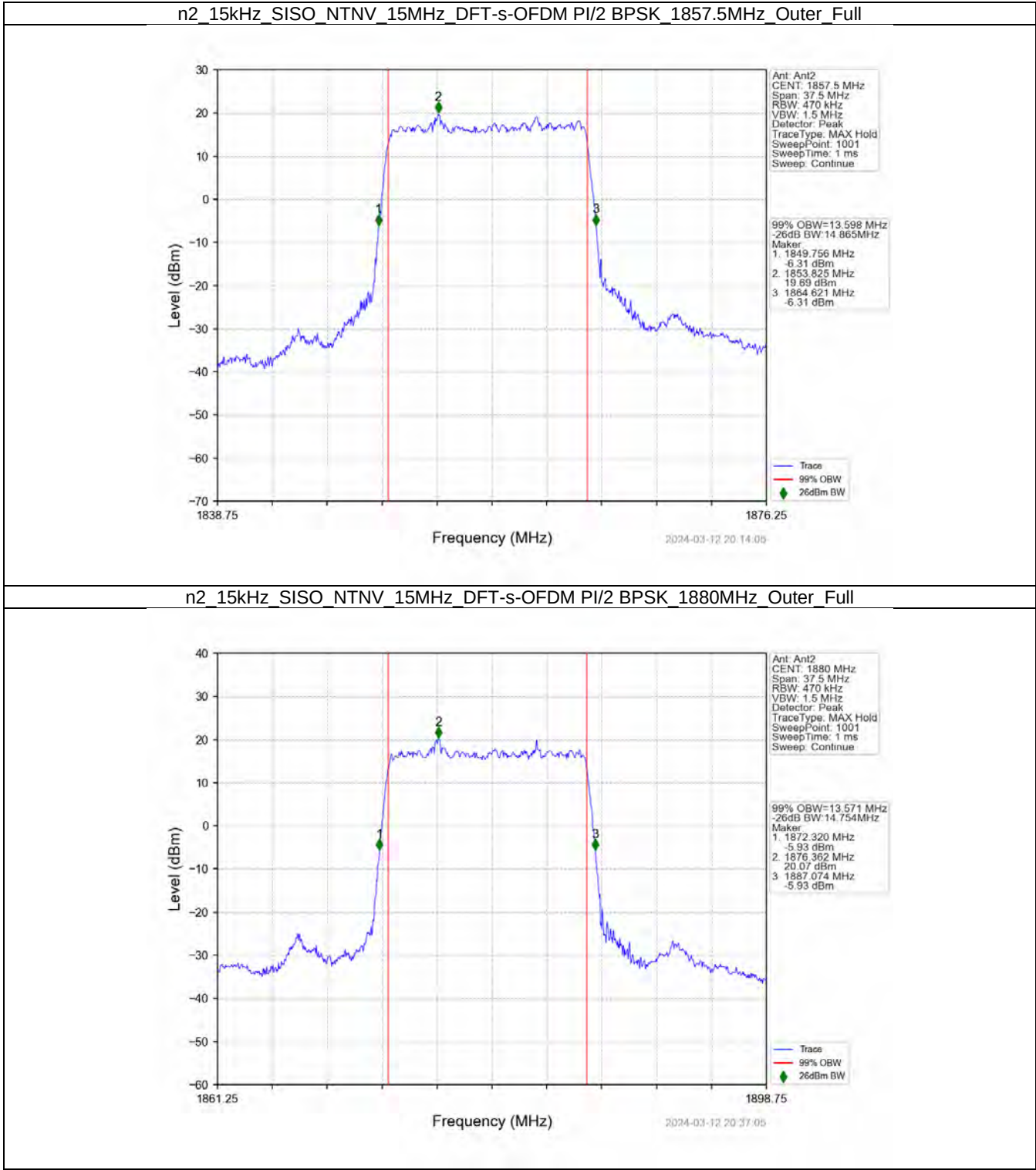


3.3 15k_SISO_15MHz_NTNV

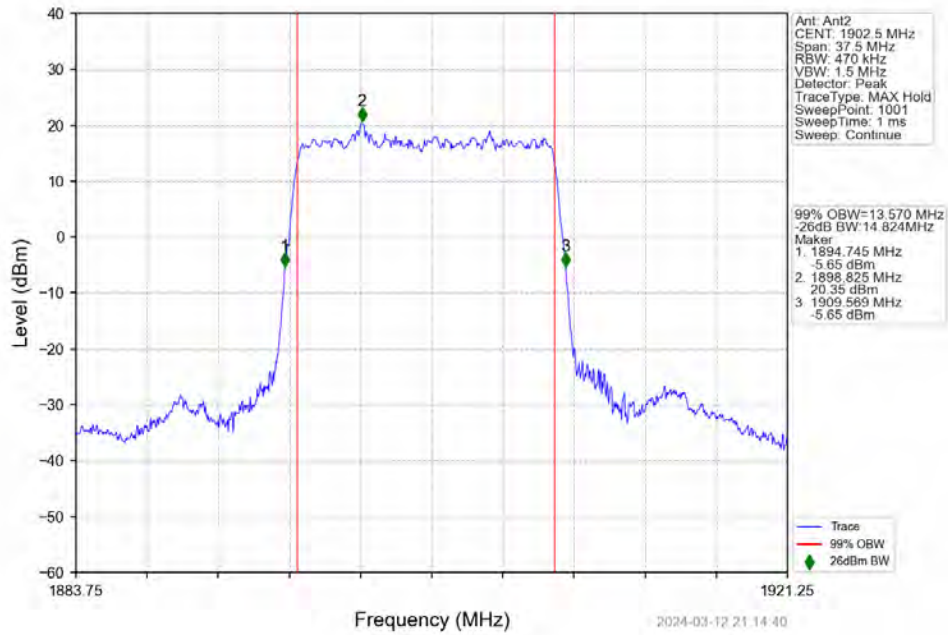
3.3.1 Test Result

5G NR n2 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	1857.5	Outer_Full	13.60	14.87	/	Pass
	1880	Outer_Full	13.57	14.75	/	Pass
	1902.5	Outer_Full	13.57	14.82	/	Pass
DFT-s-OFDM QPSK	1857.5	Outer_Full	13.61	14.82	/	Pass
	1880	Outer_Full	13.61	14.75	/	Pass
	1902.5	Outer_Full	13.59	14.85	/	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer_Full	13.65	14.86	/	Pass
	1880	Outer_Full	13.63	14.85	/	Pass
	1902.5	Outer_Full	13.64	14.78	/	Pass
DFT-s-OFDM 64 QAM	1857.5	Outer_Full	13.57	14.83	/	Pass
	1880	Outer_Full	13.55	14.80	/	Pass
	1902.5	Outer_Full	13.54	14.77	/	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer_Full	13.61	14.93	/	Pass
	1880	Outer_Full	13.59	14.77	/	Pass
	1902.5	Outer_Full	13.58	14.85	/	Pass
CP-OFDM QPSK	1857.5	Outer_Full	14.28	15.52	/	Pass
	1880	Outer_Full	14.28	15.49	/	Pass
	1902.5	Outer_Full	14.26	15.47	/	Pass
CP-OFDM 16 QAM	1857.5	Outer_Full	14.29	15.51	/	Pass
	1880	Outer_Full	14.27	15.59	/	Pass
	1902.5	Outer_Full	14.26	15.55	/	Pass
CP-OFDM 64 QAM	1857.5	Outer_Full	14.31	15.62	/	Pass
	1880	Outer_Full	14.31	15.60	/	Pass
	1902.5	Outer_Full	14.31	15.55	/	Pass
CP-OFDM 256 QAM	1857.5	Outer_Full	14.26	15.54	/	Pass
	1880	Outer_Full	14.23	15.54	/	Pass
	1902.5	Outer_Full	14.27	15.58	/	Pass

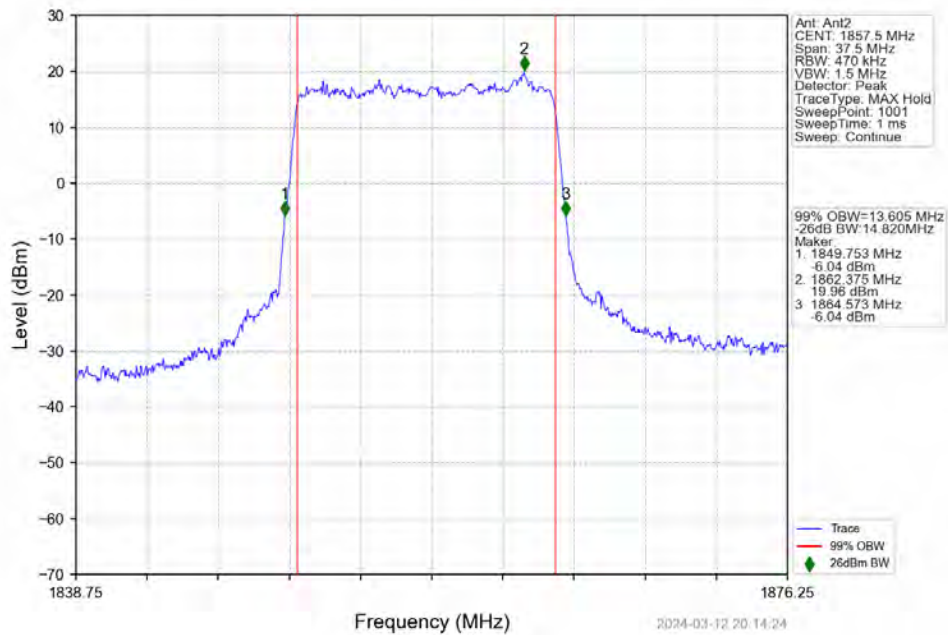
3.3.2 Test Graph



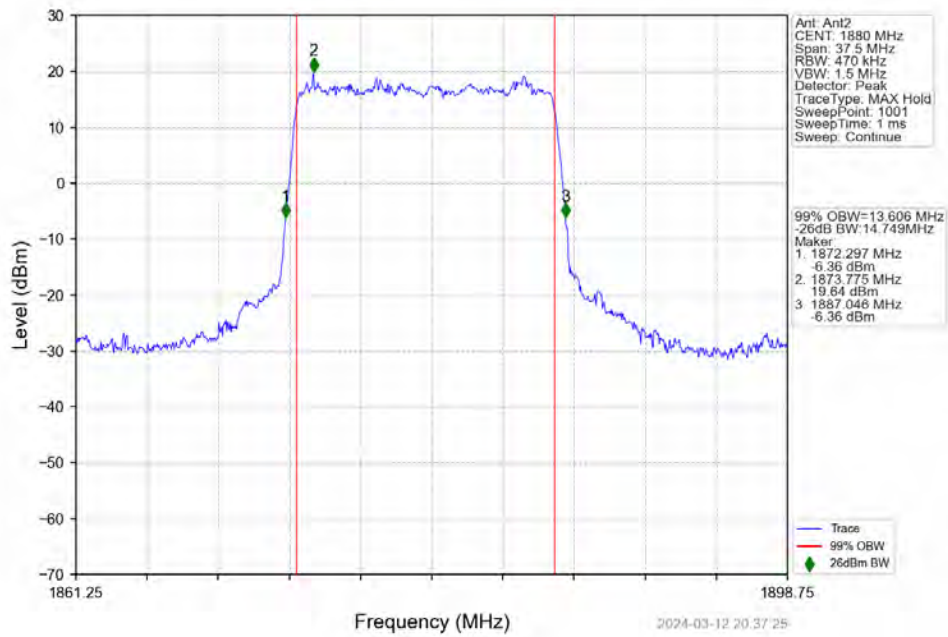
n2 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 1902.5MHz Outer Full



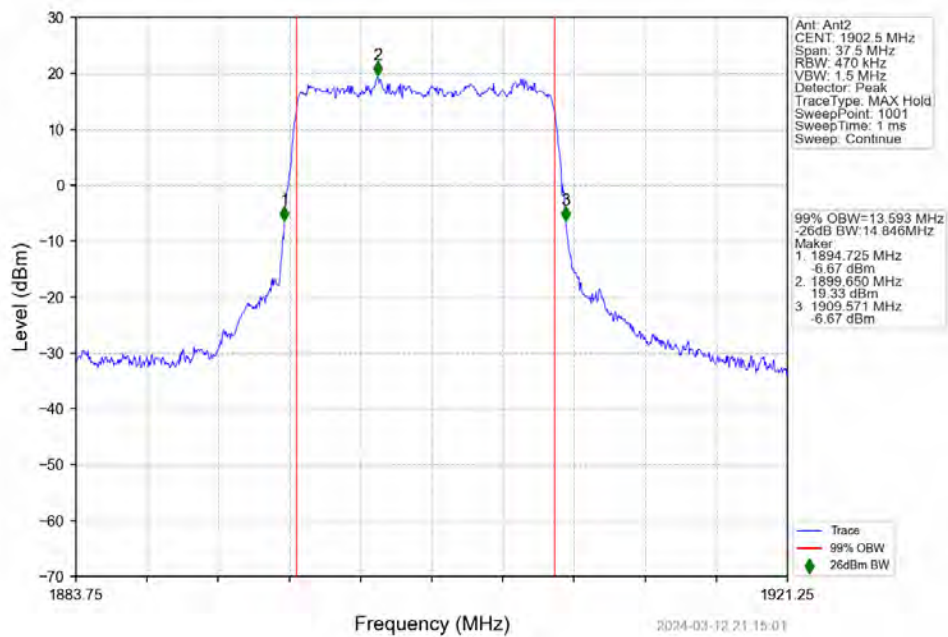
n2 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 1857.5MHz Outer Full



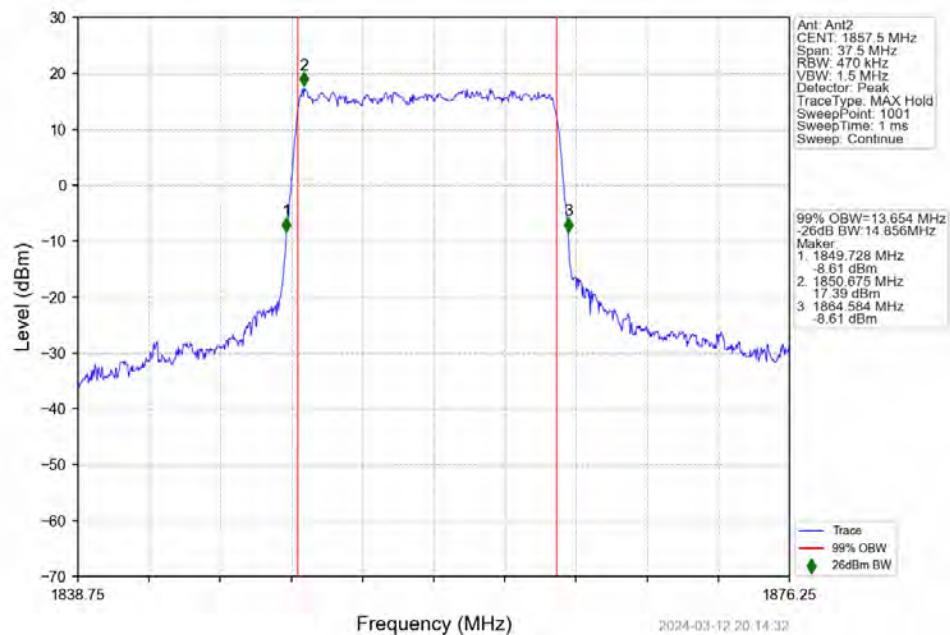
n2 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 1880MHz Outer Full



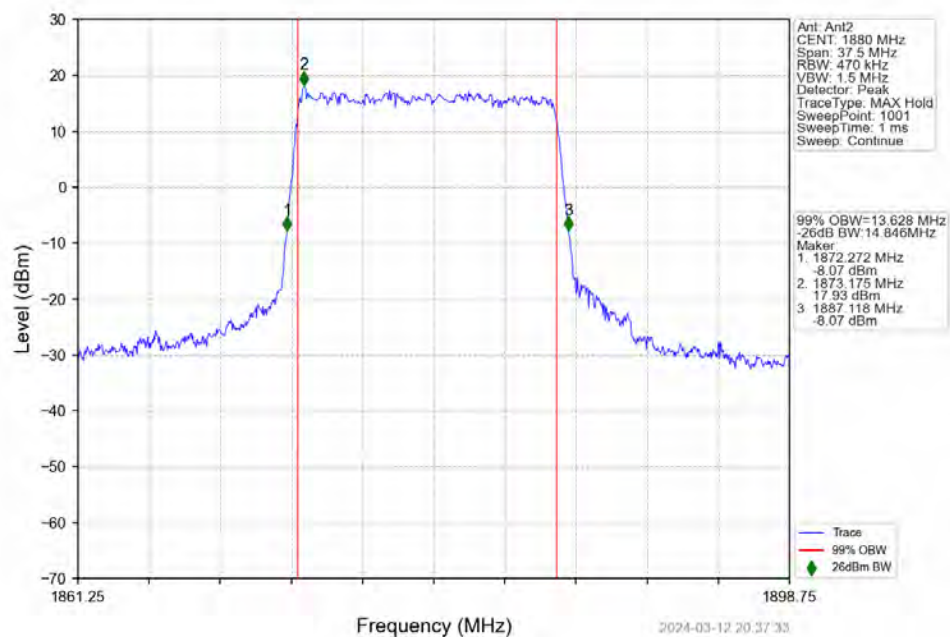
n2 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 1902.5MHz Outer Full



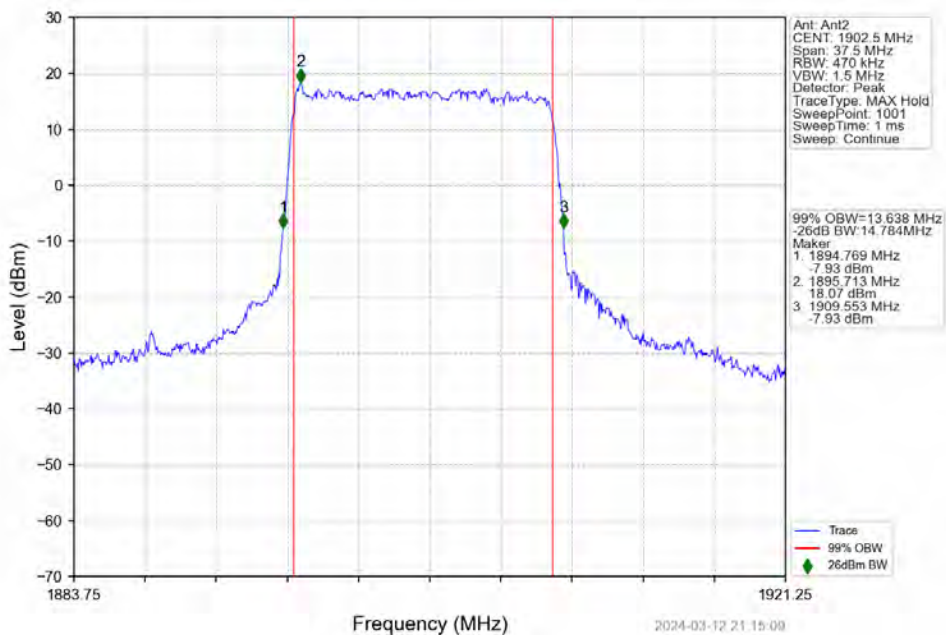
n2 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 1857.5MHz Outer Full



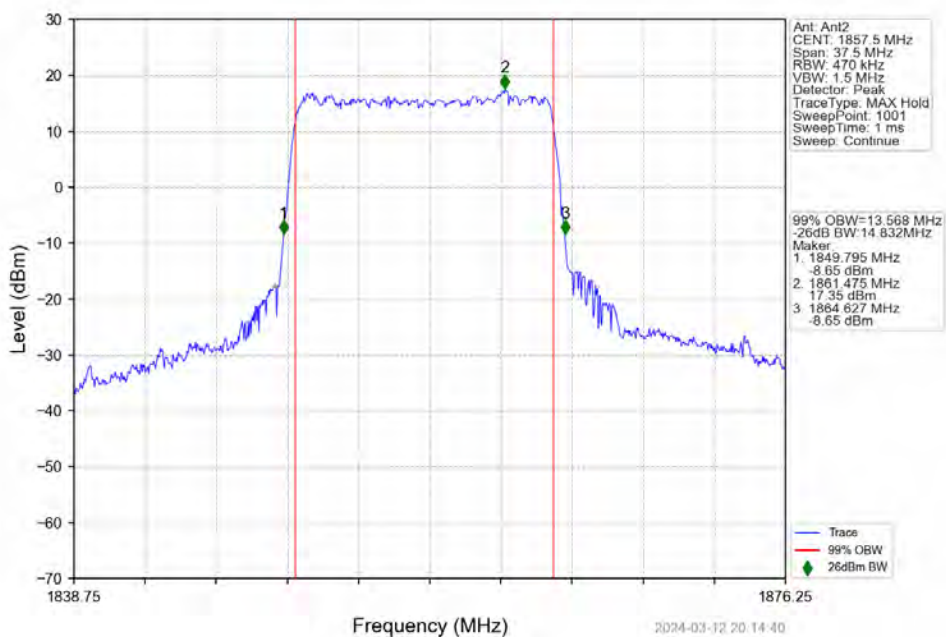
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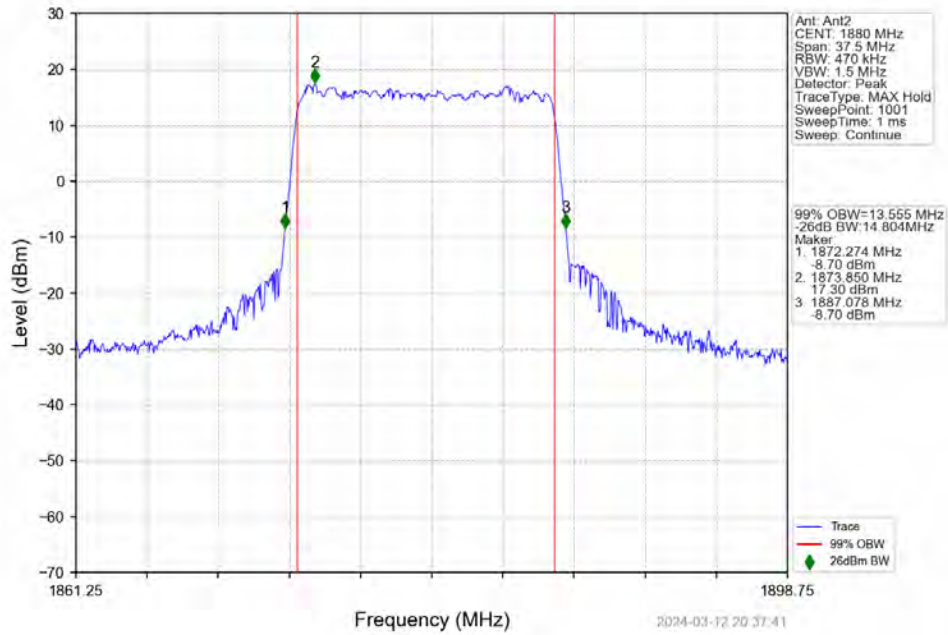
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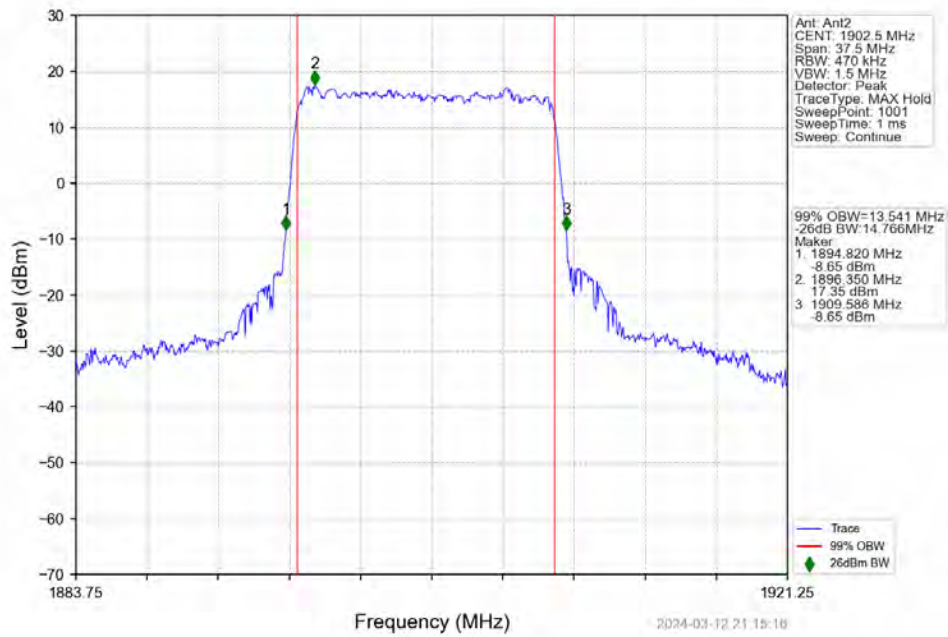
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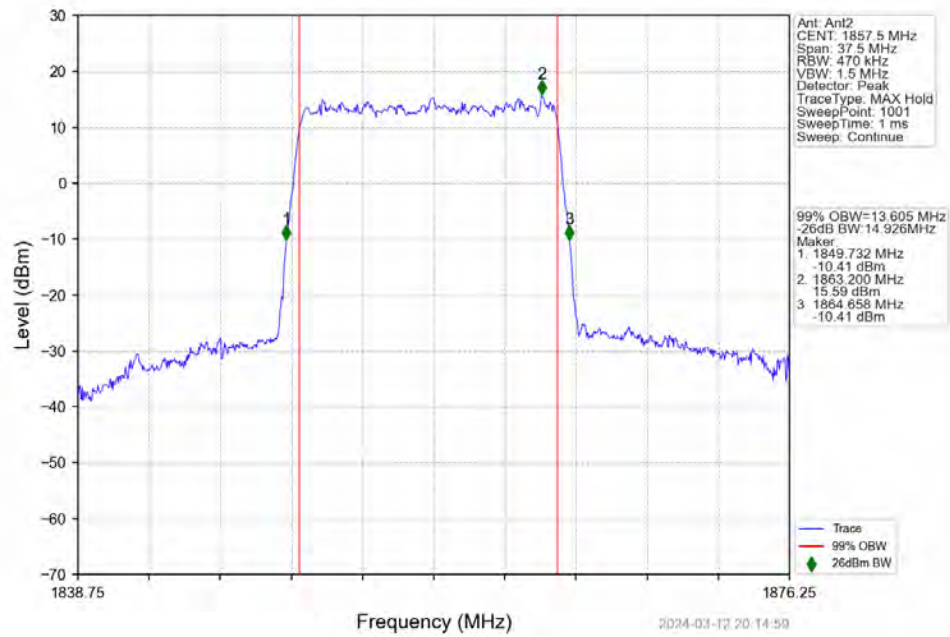
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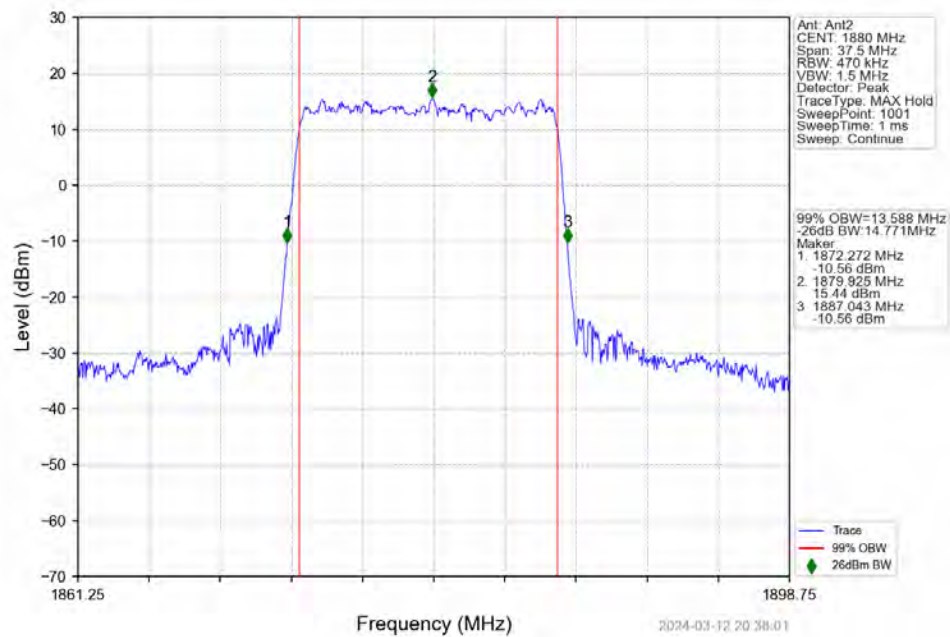
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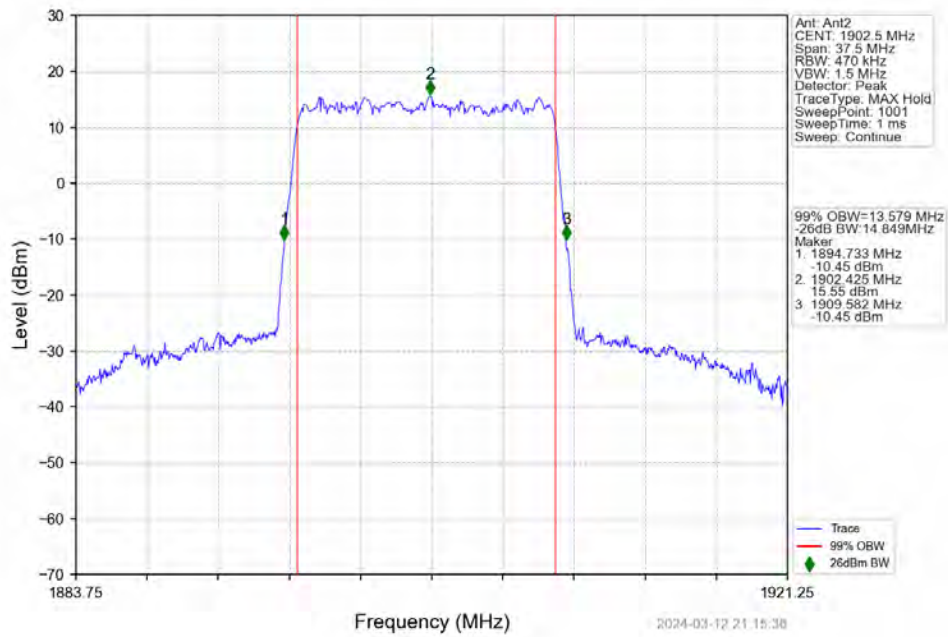
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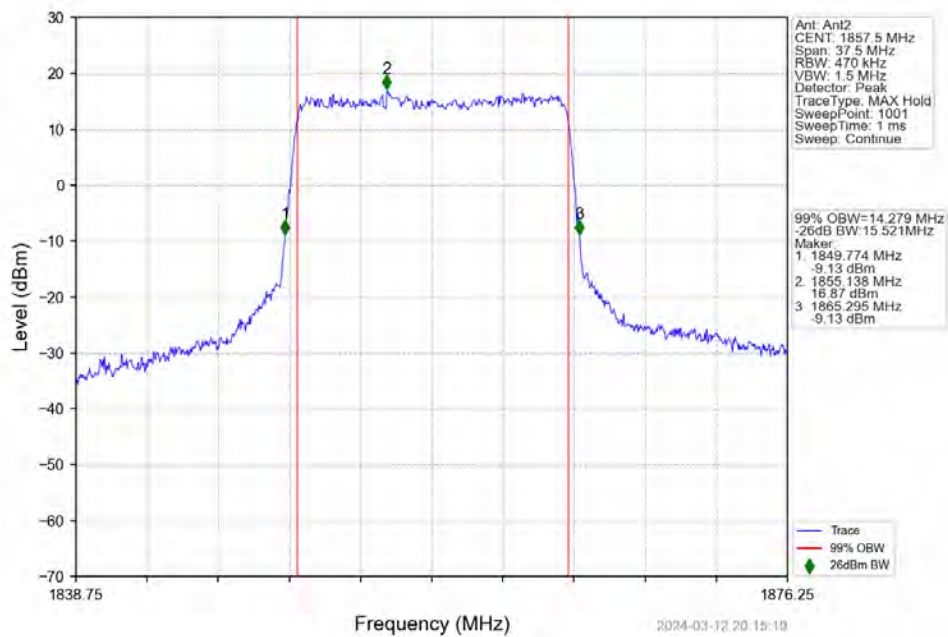
n2 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 1880MHz Outer Full



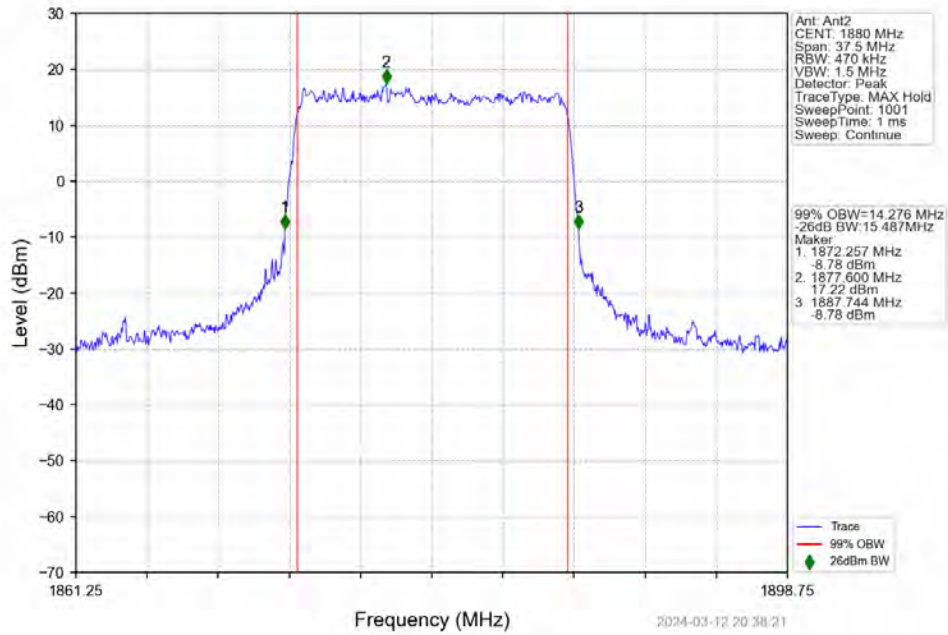
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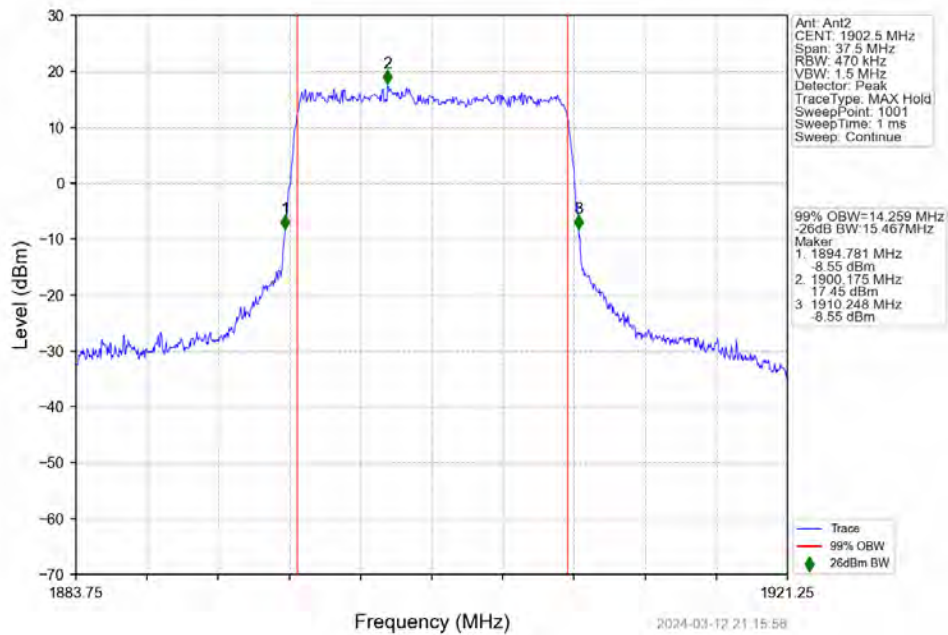
n2 15kHz SISO NTN 15MHz CP-OFDM QPSK 1857.5MHz Outer Full



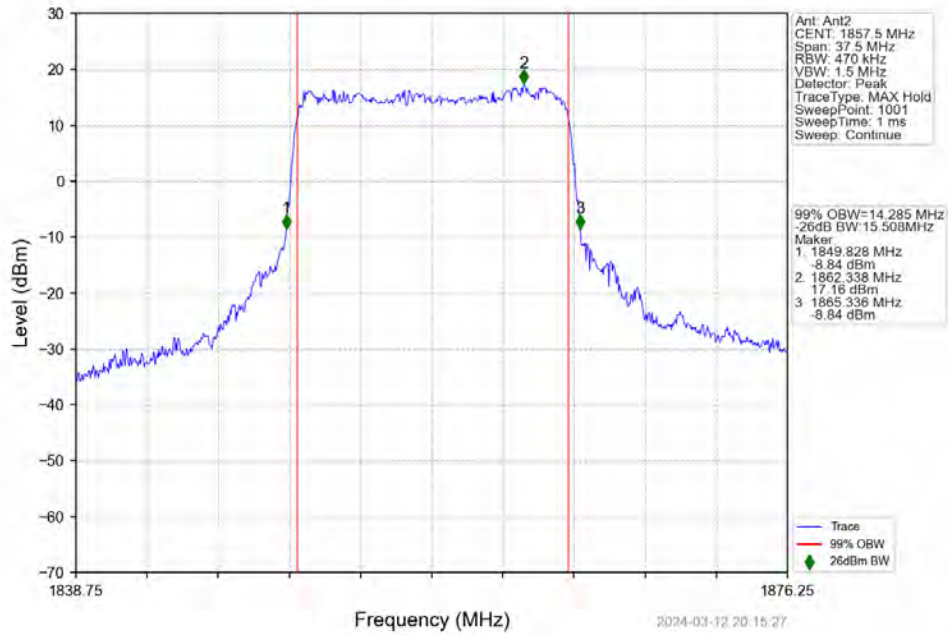
n2 15kHz SISO NTN 15MHz CP-OFDM QPSK 1880MHz Outer Full



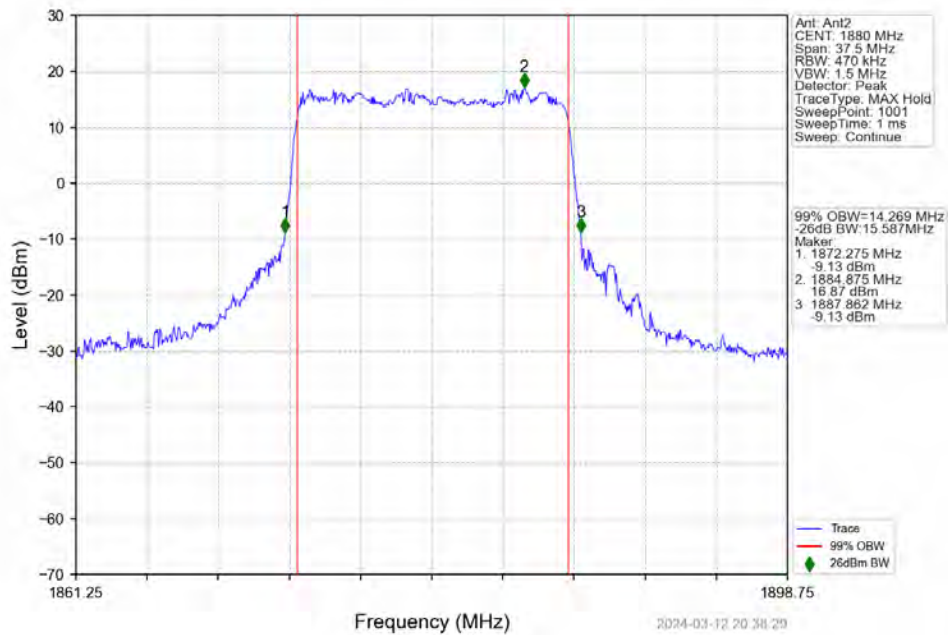
n2 15kHz SISO NTN 15MHz CP-OFDM QPSK 1902.5MHz Outer Full



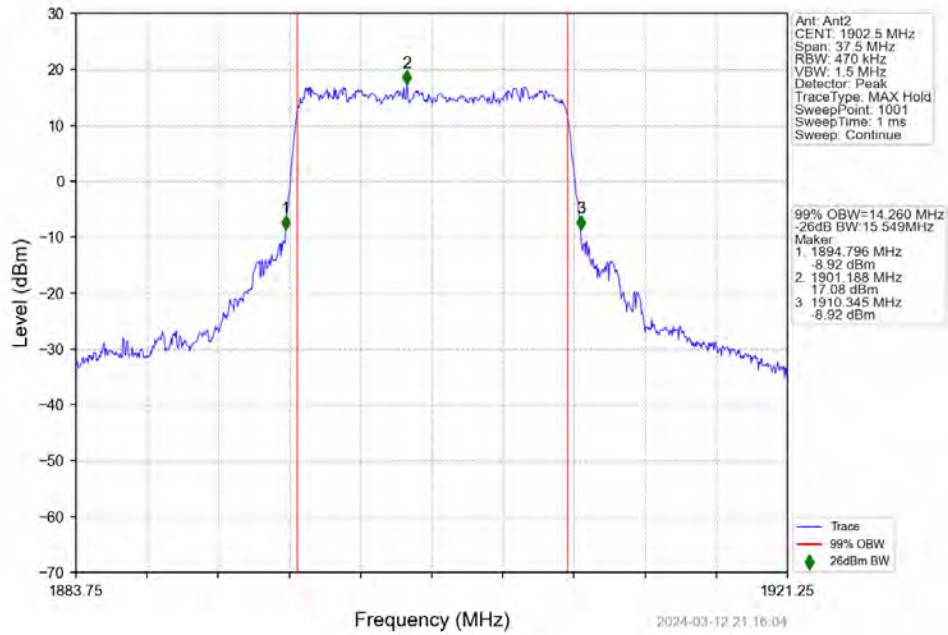
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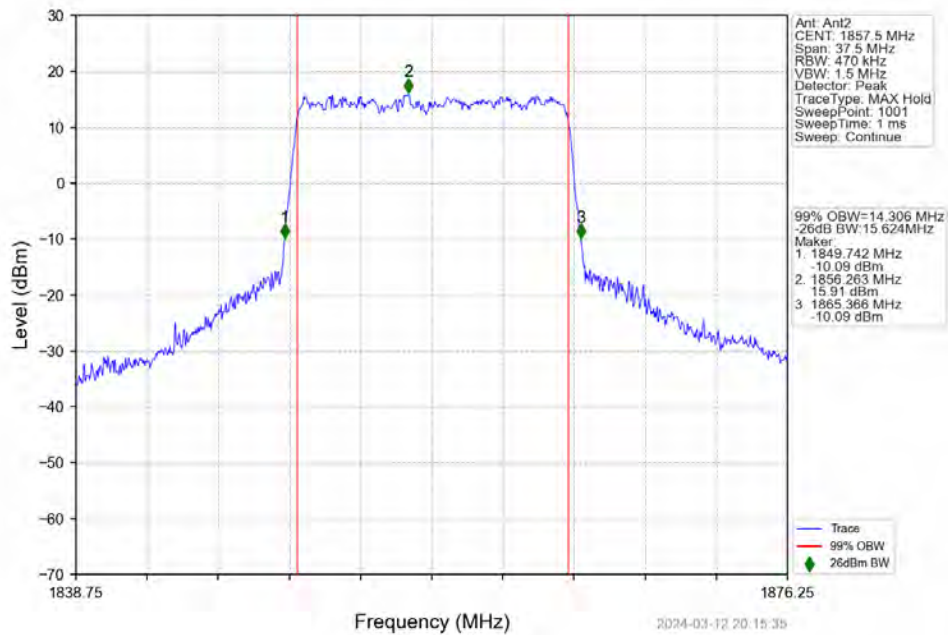
n2 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 1880MHz Outer Full



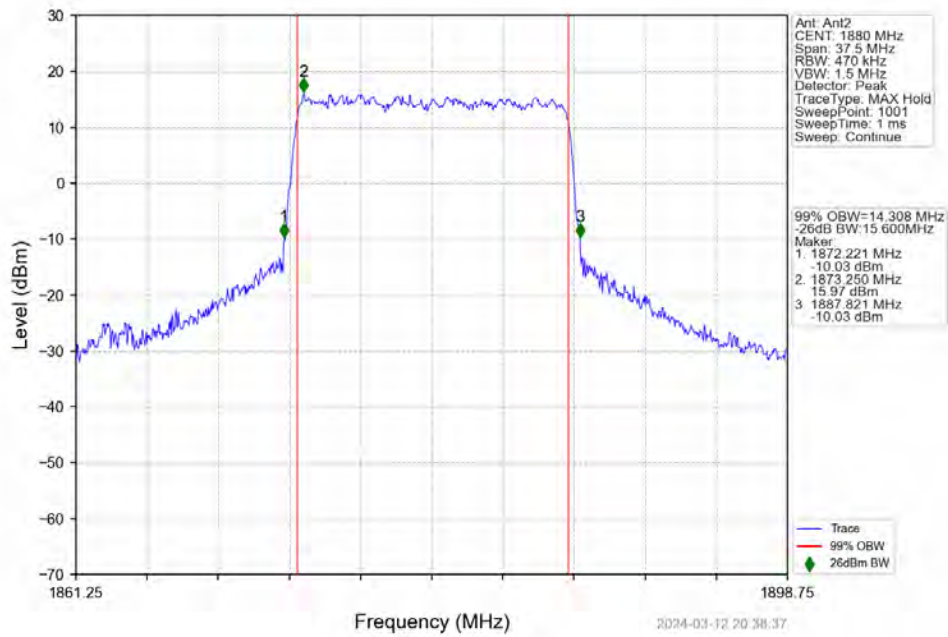
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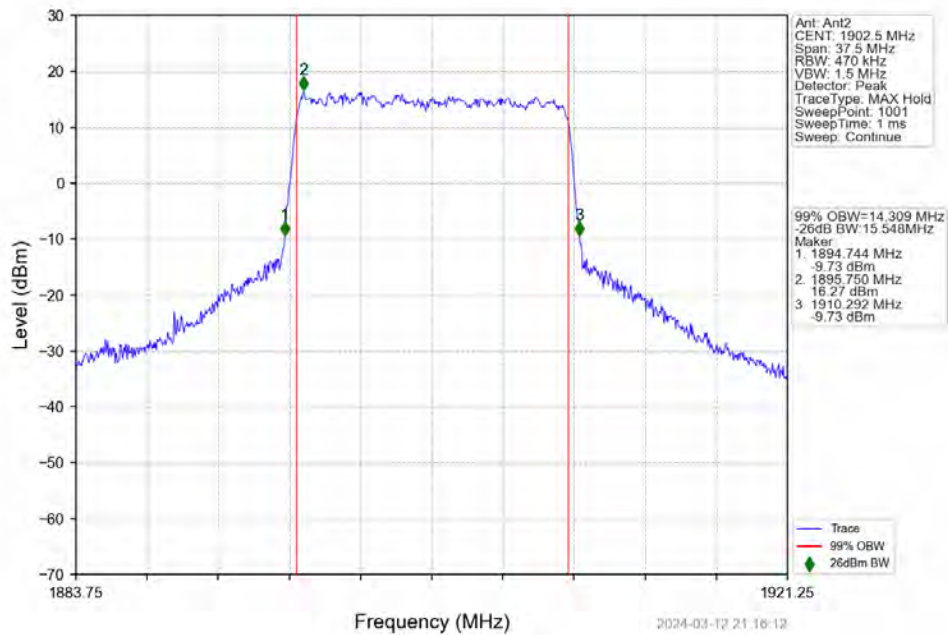
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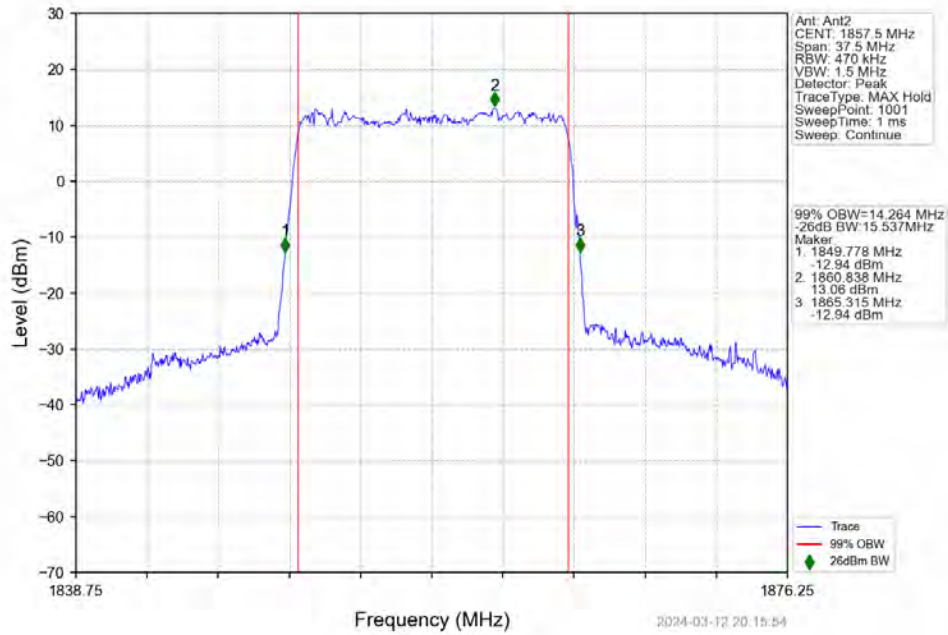
n2 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 1880MHz Outer Full



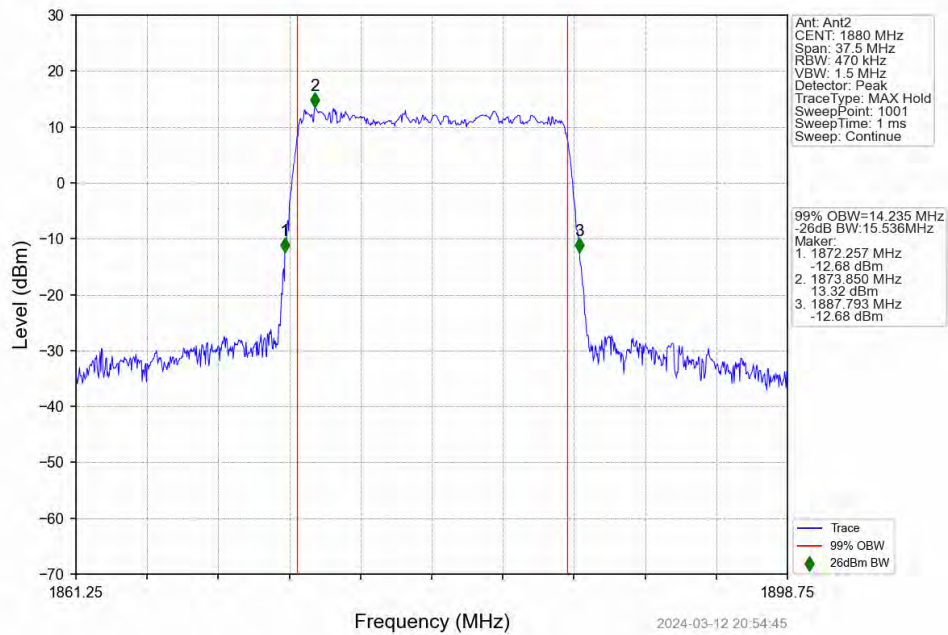
n2 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 1902.5MHz Outer Full



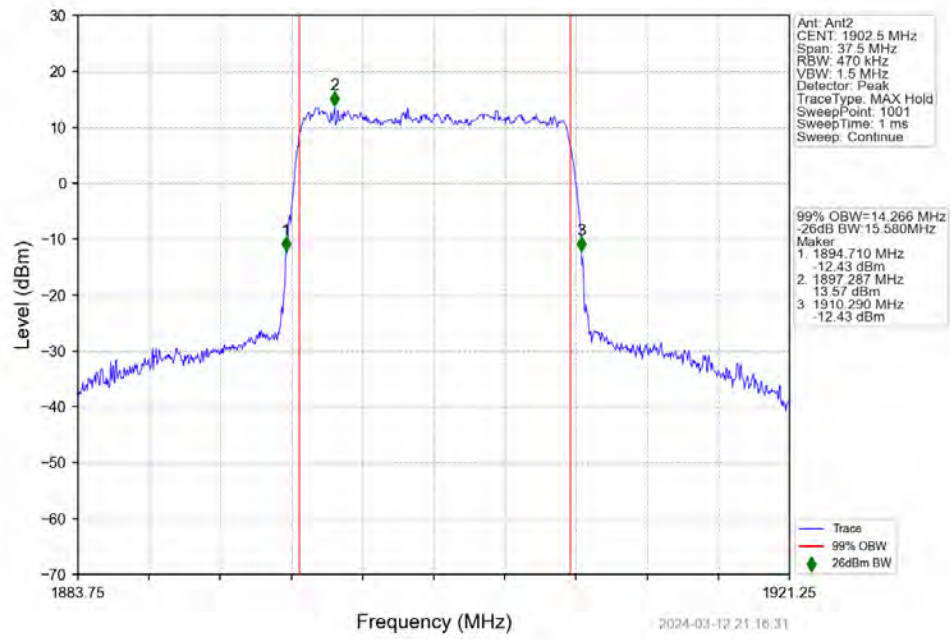
n2 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 1857.5MHz Outer Full



n2 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 1880MHz Outer Full



n2 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 1902.5MHz Outer Full

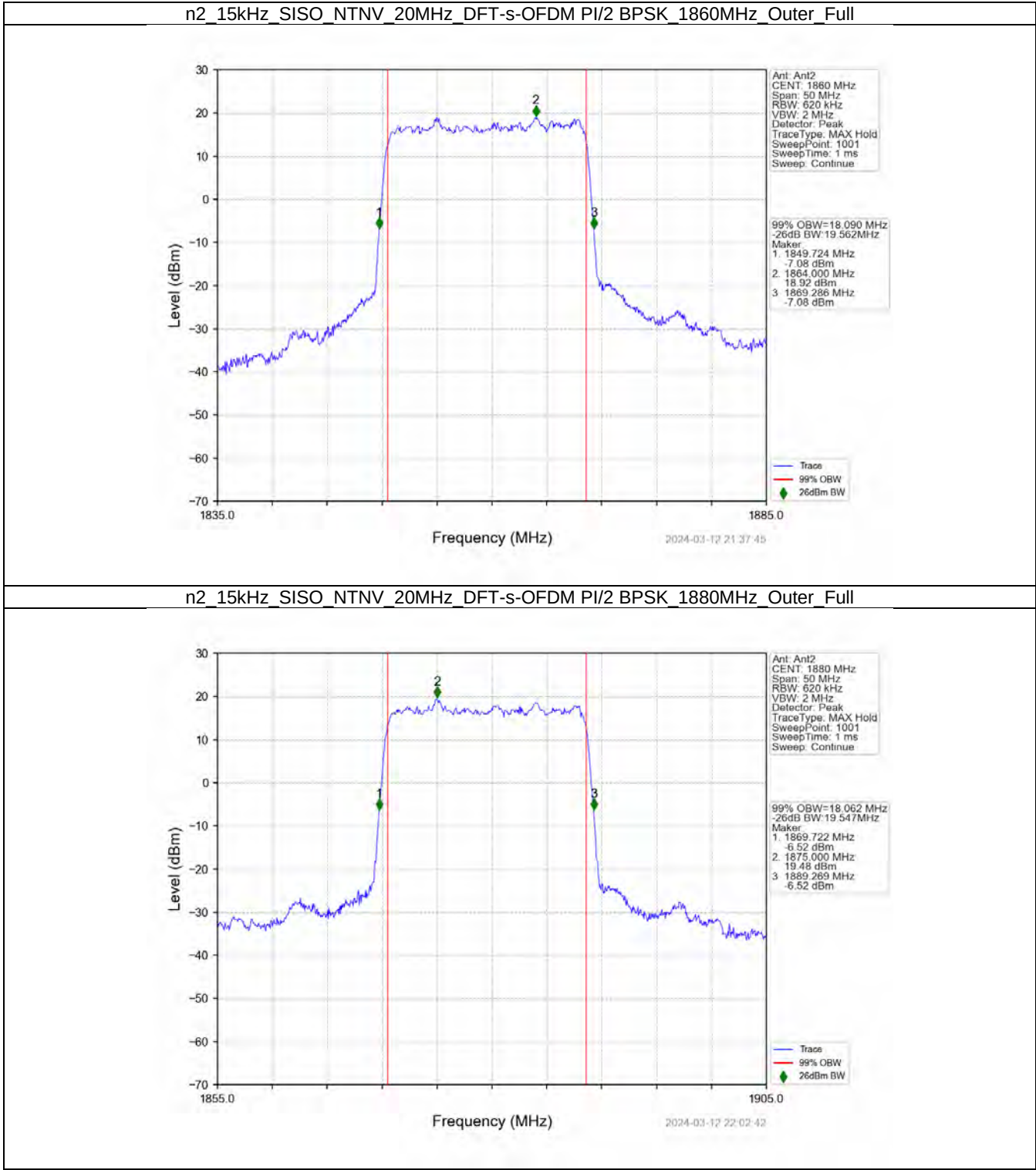


3.4 15k_SISO_20MHz_NTNV

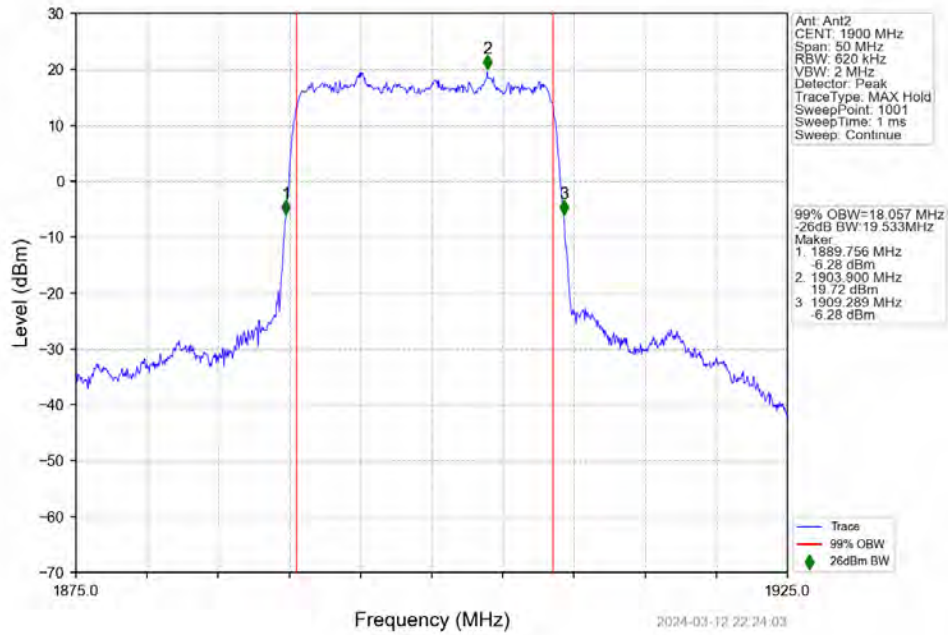
3.4.1 Test Result

5G NR n2 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	1860	Outer_Full	18.09	19.56	/	Pass
	1880	Outer_Full	18.06	19.55	/	Pass
	1900	Outer_Full	18.06	19.53	/	Pass
DFT-s-OFDM QPSK	1860	Outer_Full	18.07	19.59	/	Pass
	1880	Outer_Full	18.04	19.55	/	Pass
	1900	Outer_Full	18.04	19.52	/	Pass
DFT-s-OFDM 16 QAM	1860	Outer_Full	18.07	19.43	/	Pass
	1880	Outer_Full	18.02	19.51	/	Pass
	1900	Outer_Full	18.00	19.43	/	Pass
DFT-s-OFDM 64 QAM	1860	Outer_Full	18.07	19.61	/	Pass
	1880	Outer_Full	18.04	19.57	/	Pass
	1900	Outer_Full	18.03	19.53	/	Pass
DFT-s-OFDM 256 QAM	1860	Outer_Full	18.07	19.42	/	Pass
	1880	Outer_Full	18.04	19.42	/	Pass
	1900	Outer_Full	18.04	19.40	/	Pass
CP-OFDM QPSK	1860	Outer_Full	19.11	20.64	/	Pass
	1880	Outer_Full	19.07	20.62	/	Pass
	1900	Outer_Full	19.07	20.61	/	Pass
CP-OFDM 16 QAM	1860	Outer_Full	19.18	20.65	/	Pass
	1880	Outer_Full	19.13	20.73	/	Pass
	1900	Outer_Full	19.13	20.80	/	Pass
CP-OFDM 64 QAM	1860	Outer_Full	19.14	20.53	/	Pass
	1880	Outer_Full	19.10	20.59	/	Pass
	1900	Outer_Full	19.11	20.61	/	Pass
CP-OFDM 256 QAM	1860	Outer_Full	19.18	20.58	/	Pass
	1880	Outer_Full	19.18	20.65	/	Pass
	1900	Outer_Full	19.16	20.62	/	Pass

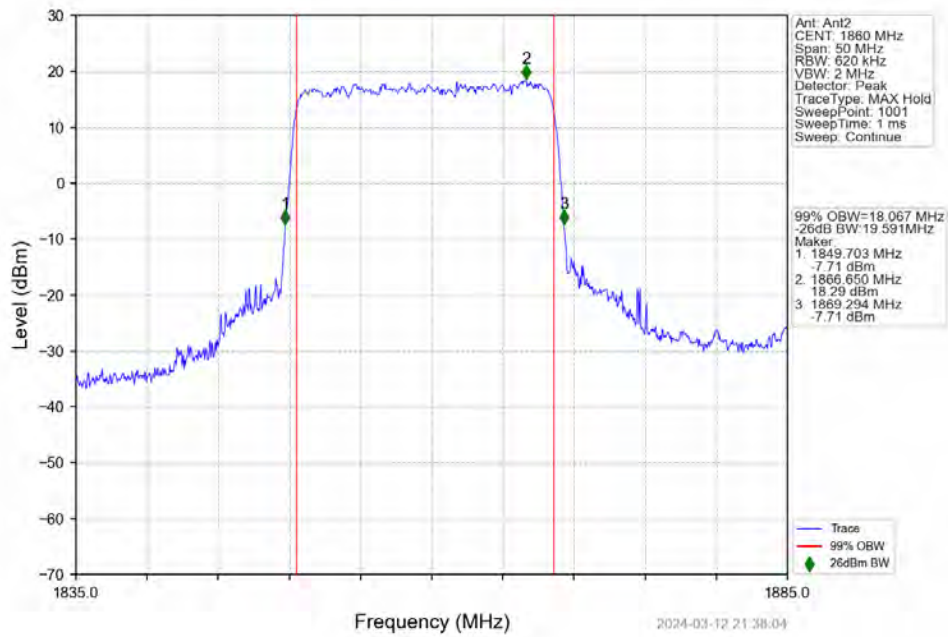
3.4.2 Test Graph



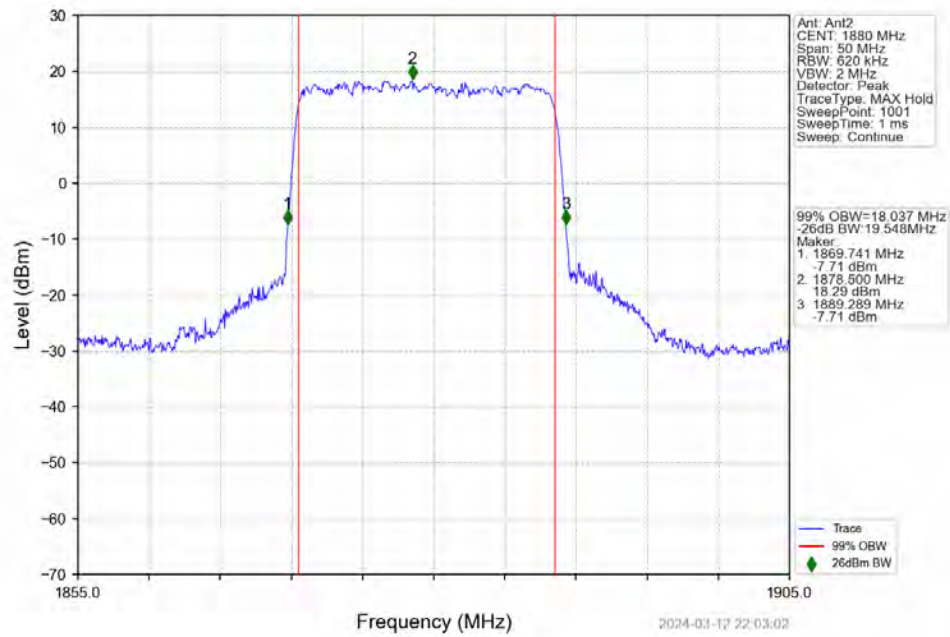
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Outer Full



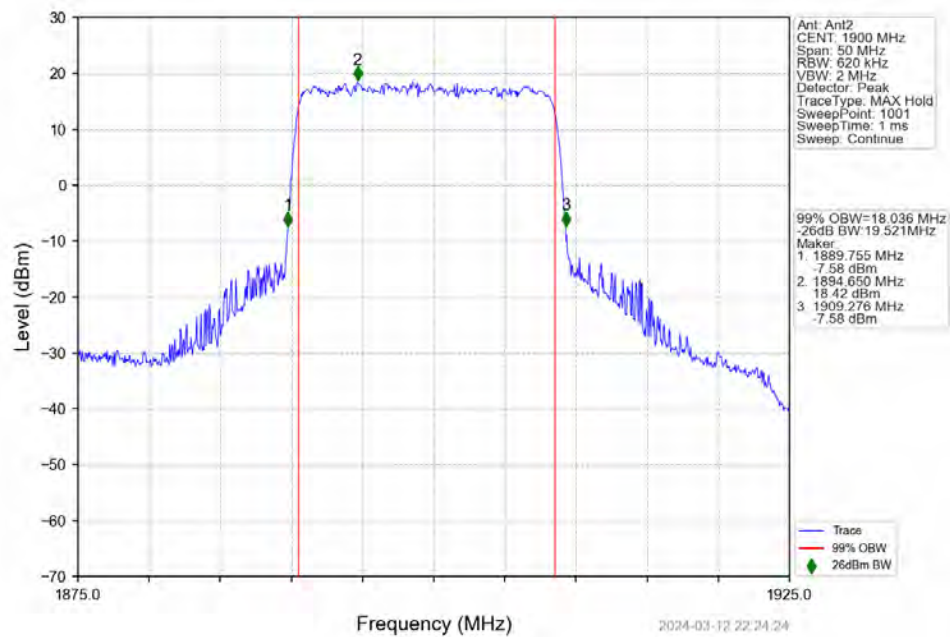
n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1860MHz Outer Full



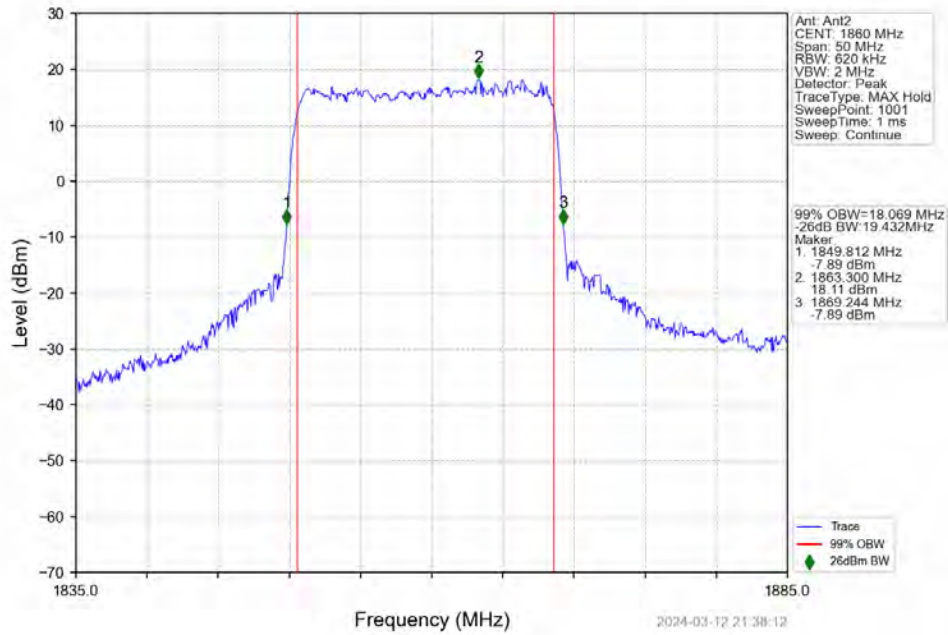
n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1880MHz Outer Full



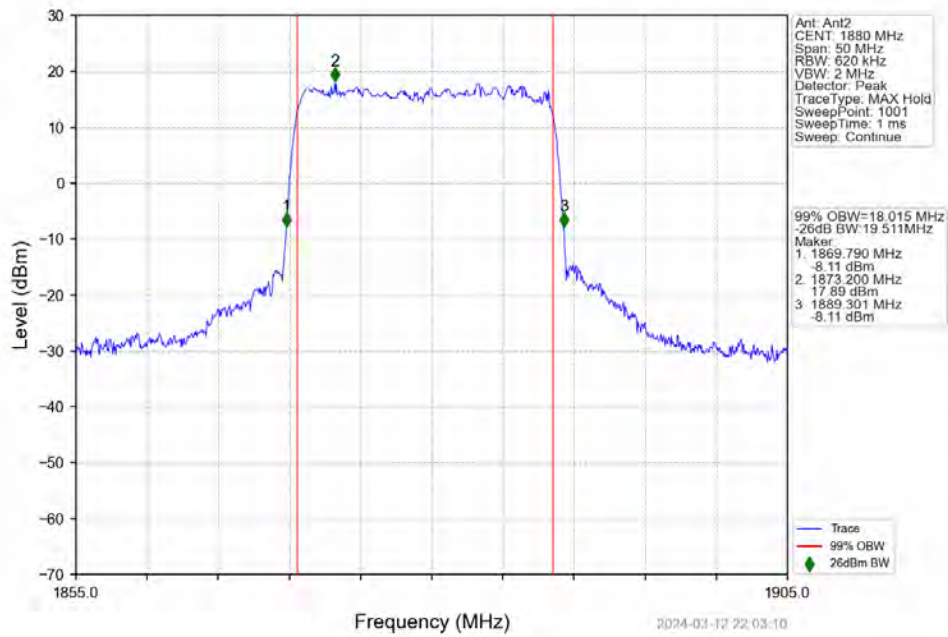
n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1900MHz Outer Full



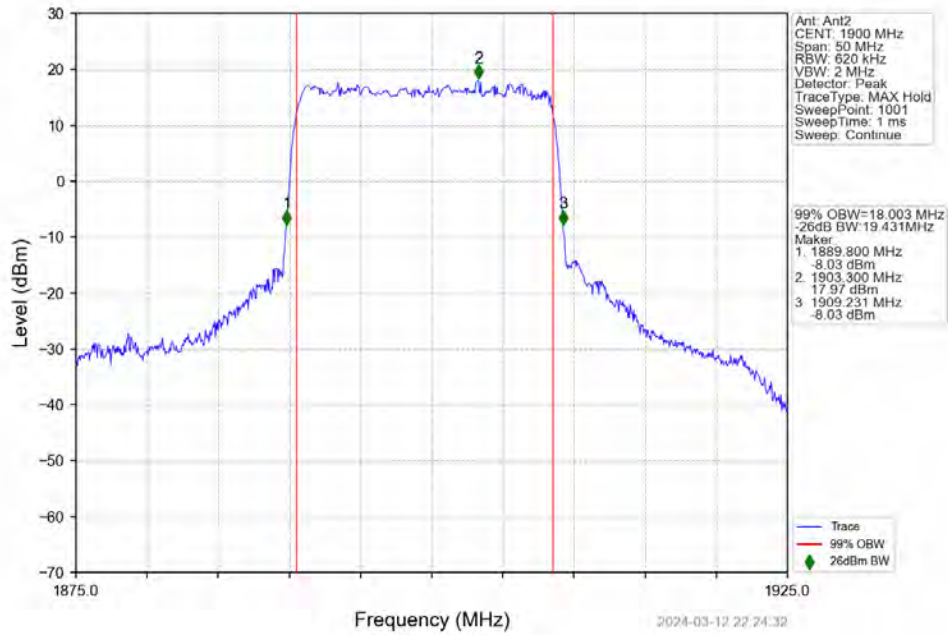
n2 15kHz SISO NTNv 20MHz DFT-s-OFDM 16 QAM 1860MHz Outer Full



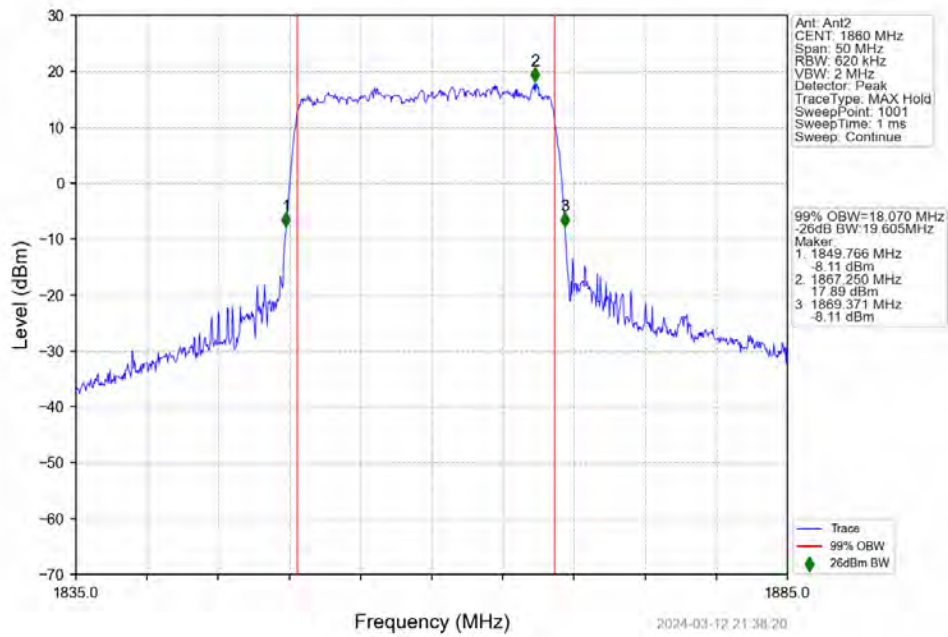
n2 15kHz SISO NTNv 20MHz DFT-s-OFDM 16 QAM 1880MHz Outer Full



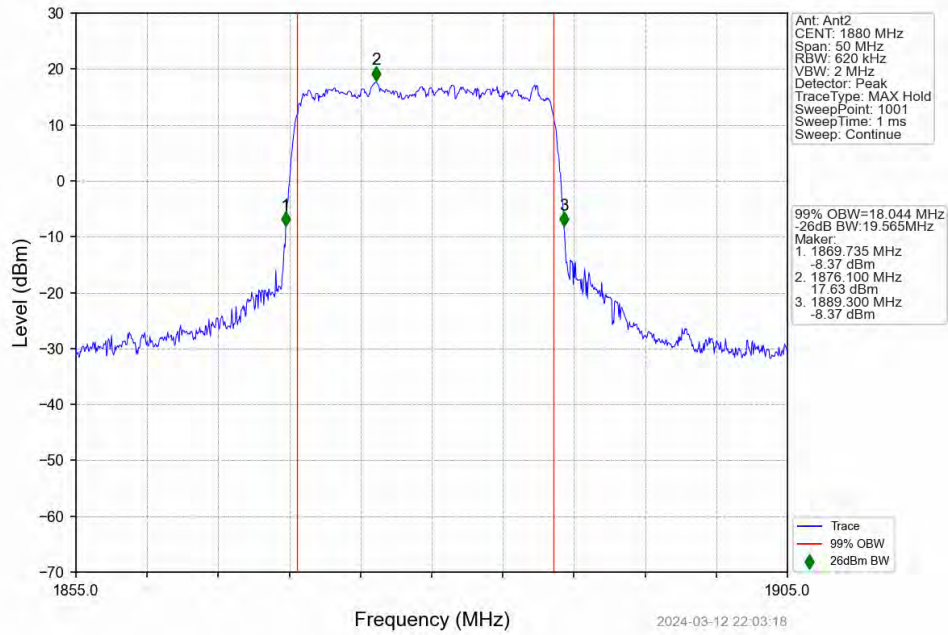
n2 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 1900MHz Outer Full



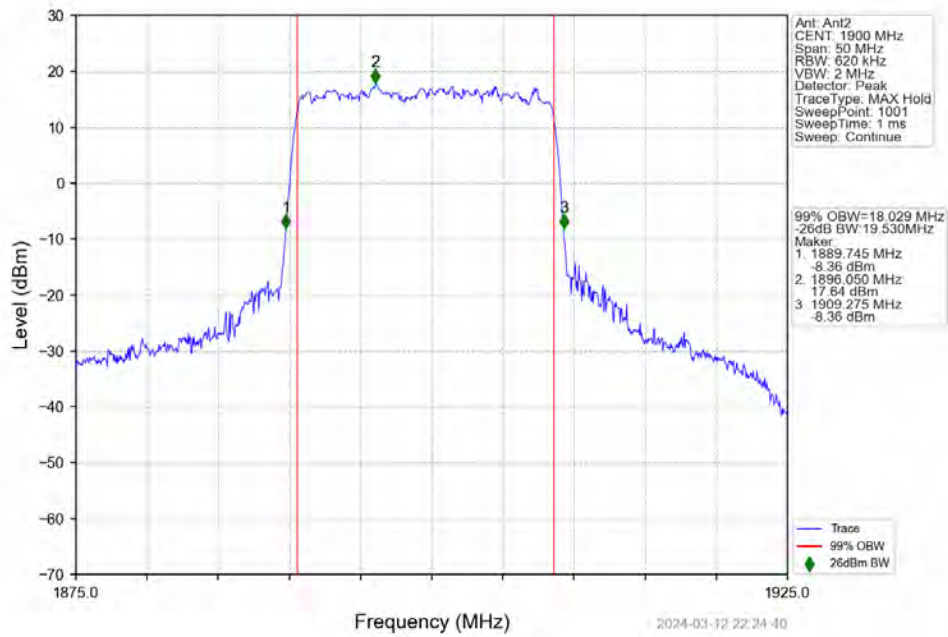
n2 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 1860MHz Outer Full



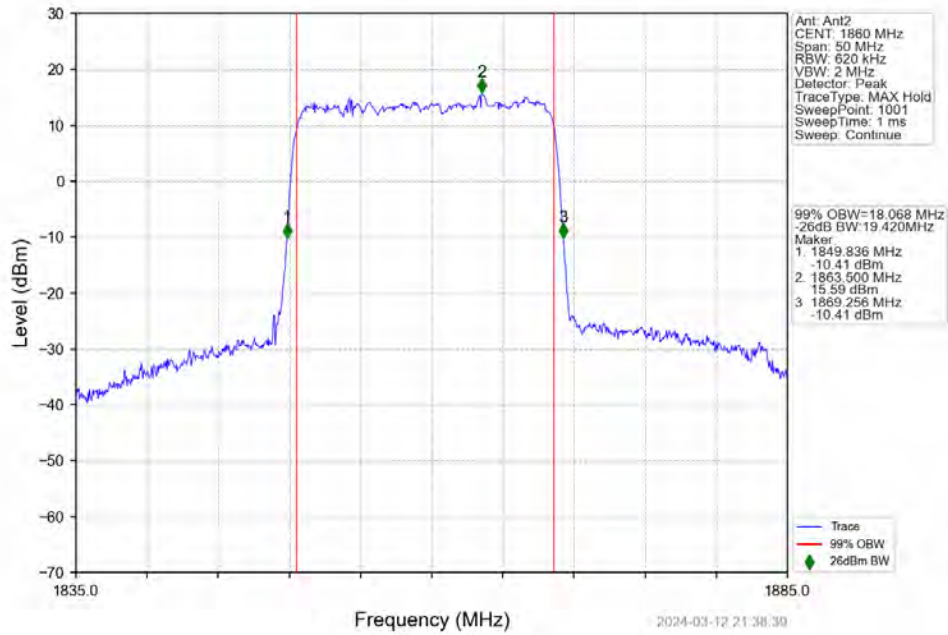
n2 15kHz SISO NTNv 20MHz DFT-s-OFDM 64 QAM 1880MHz Outer Full



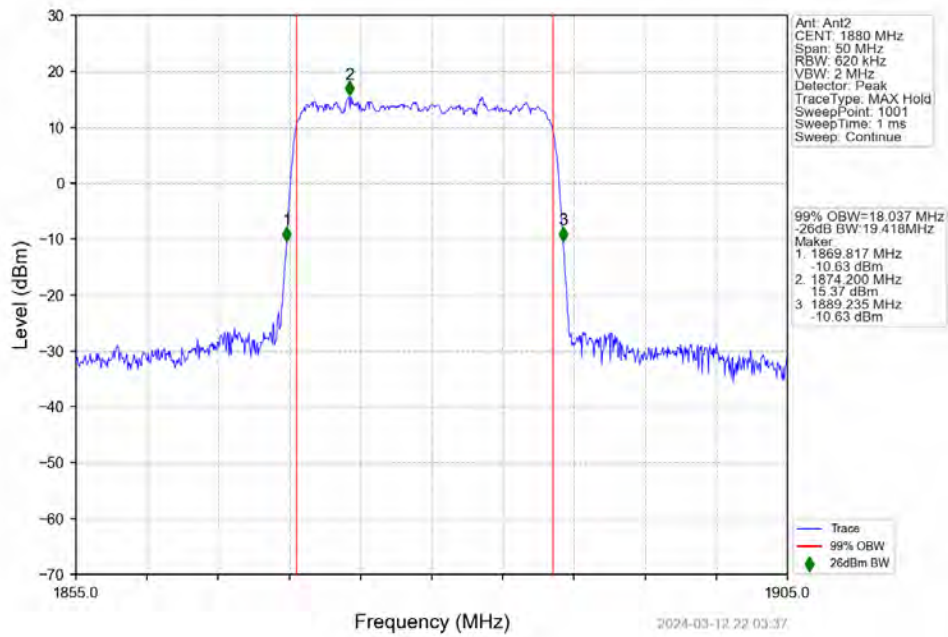
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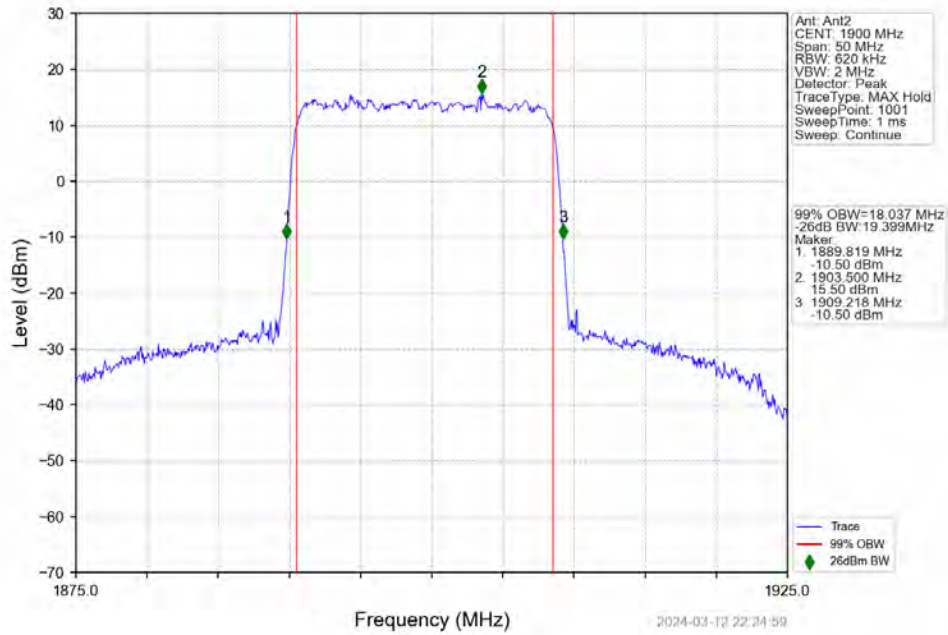
n2 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 1860MHz Outer Full



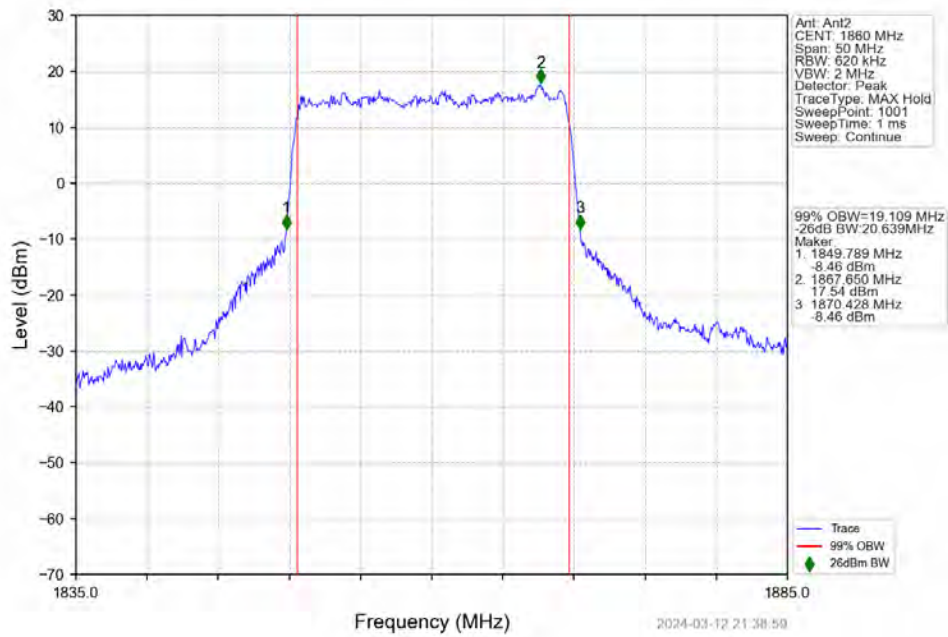
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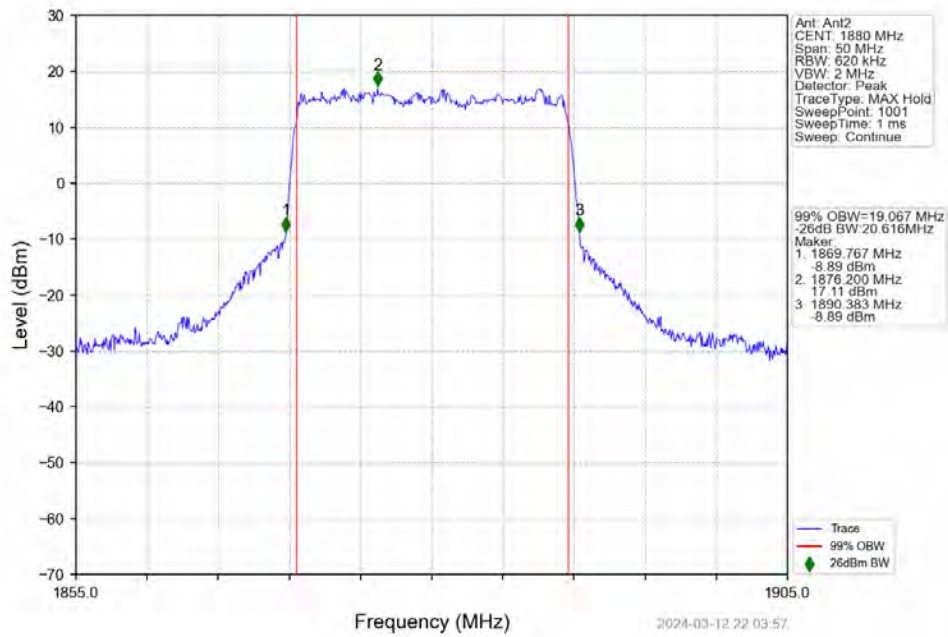
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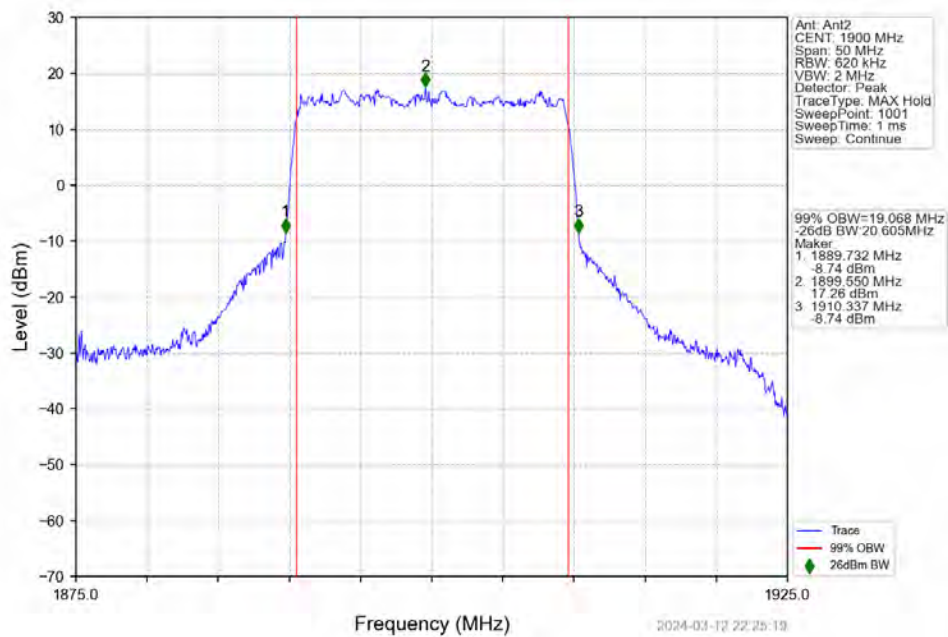
n2 15kHz SISO NTN 20MHz CP-OFDM QPSK 1860MHz Outer Full



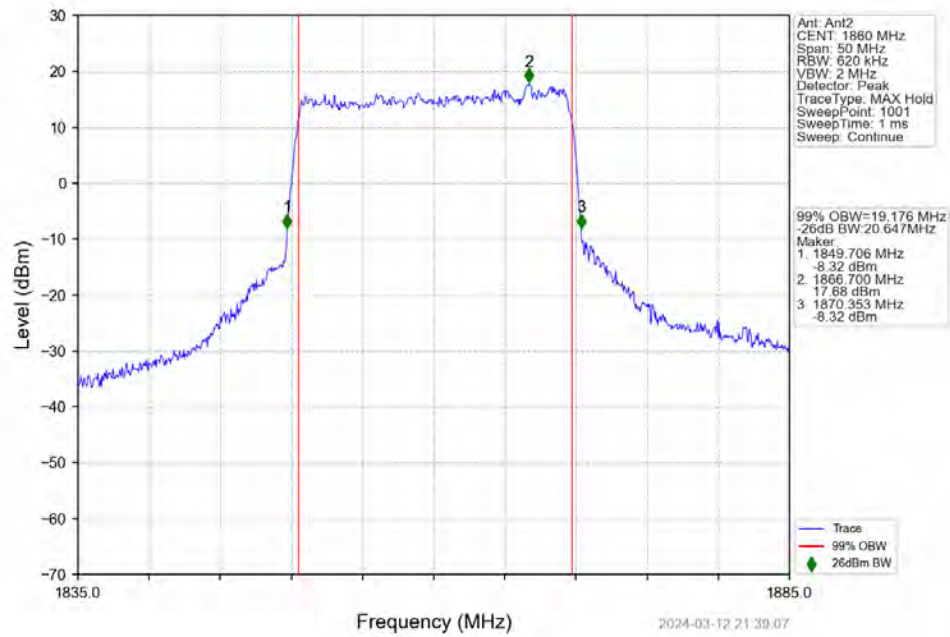
n2 15kHz SISO NTN 20MHz CP-OFDM QPSK 1880MHz Outer Full



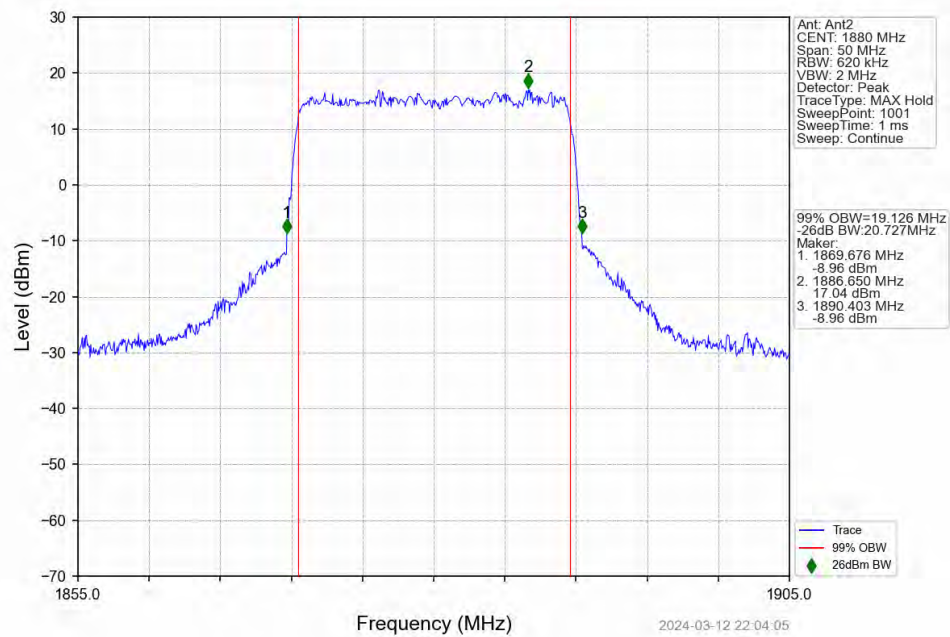
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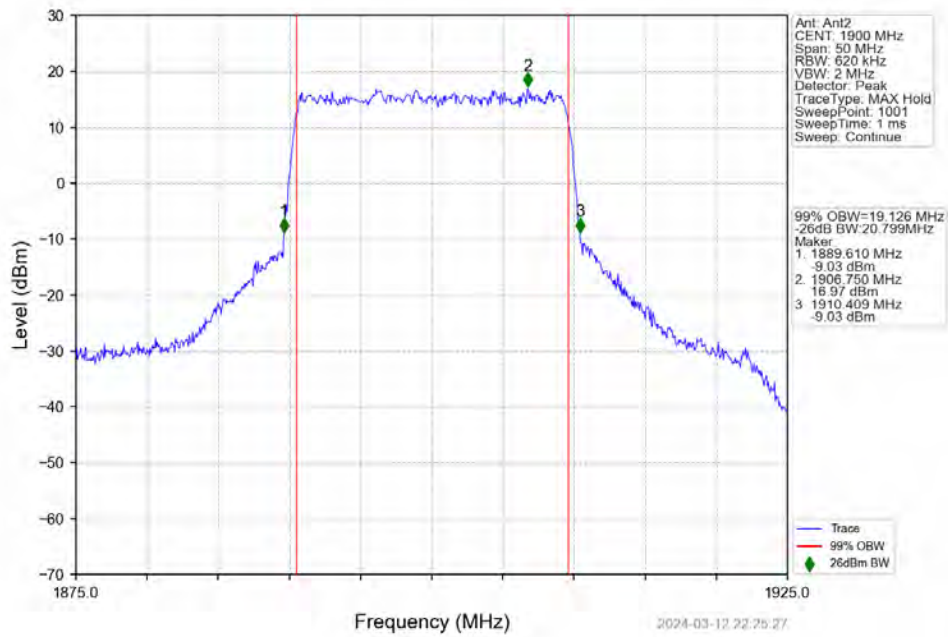
n2 15kHz SISO NTV 20MHz CP-OFDM 16 QAM 1860MHz Outer Full



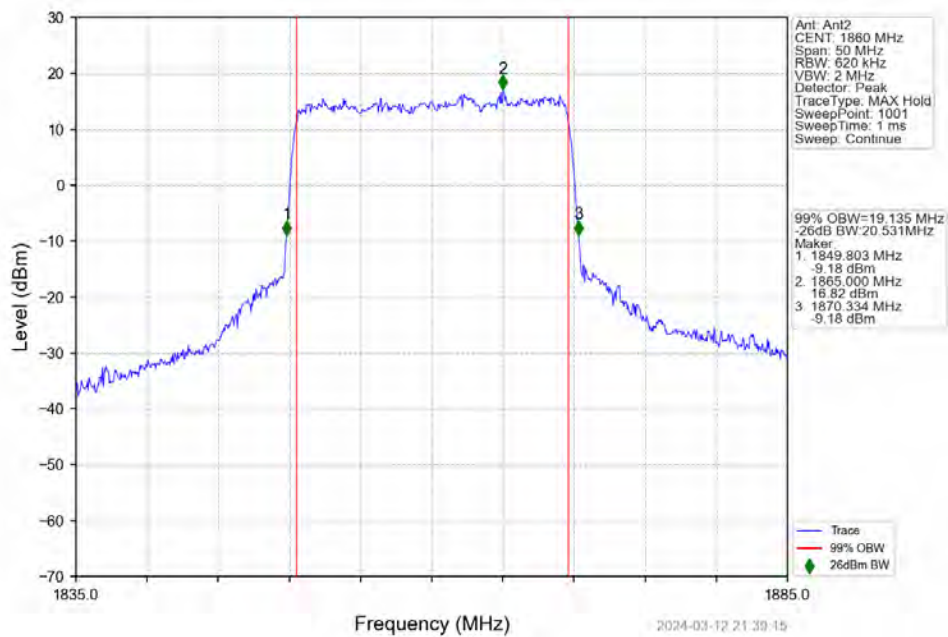
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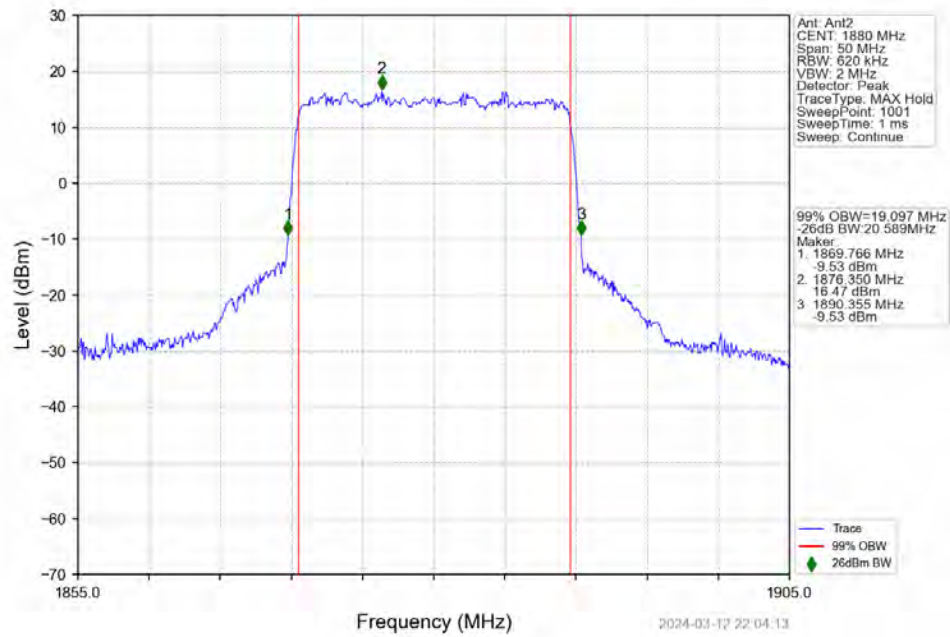
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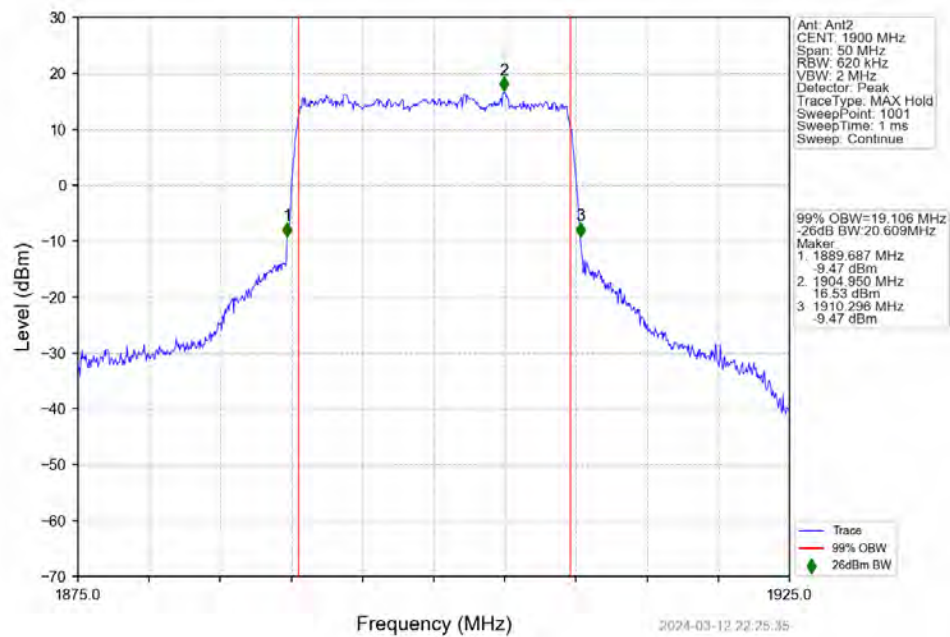
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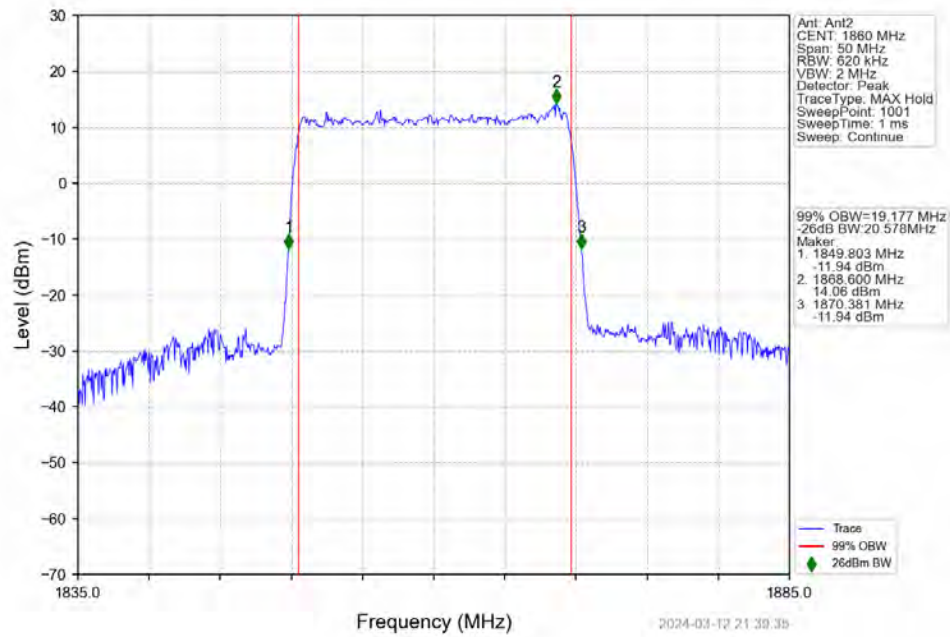
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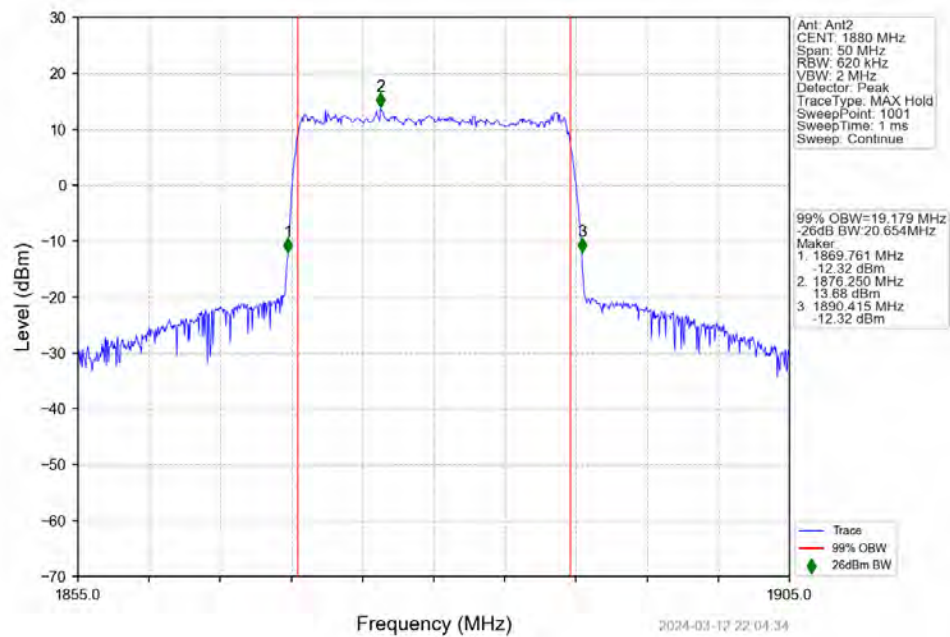
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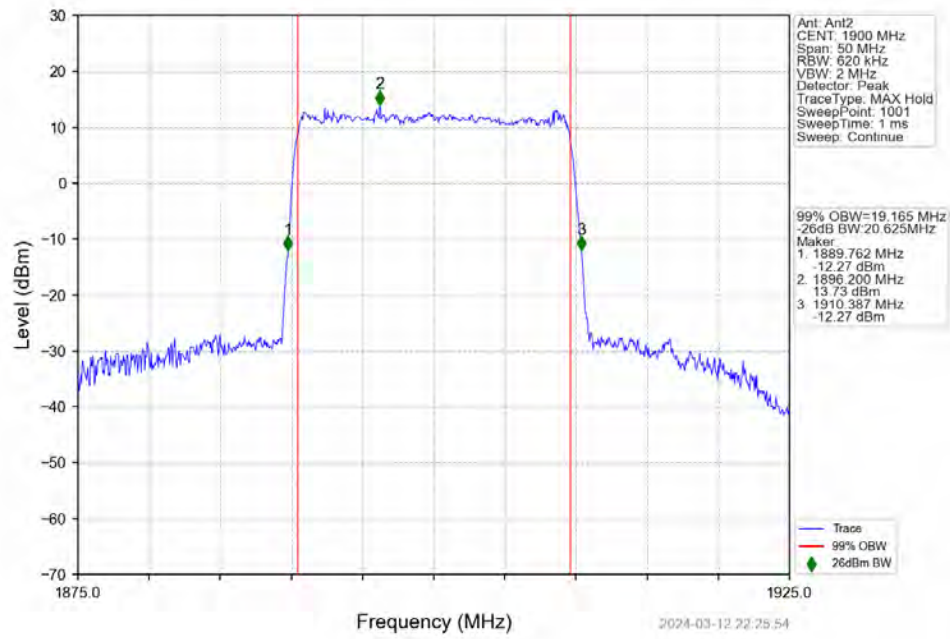
n2 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 1860MHz Outer Full



n2 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 1880MHz Outer Full



n2 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 1900MHz Outer Full



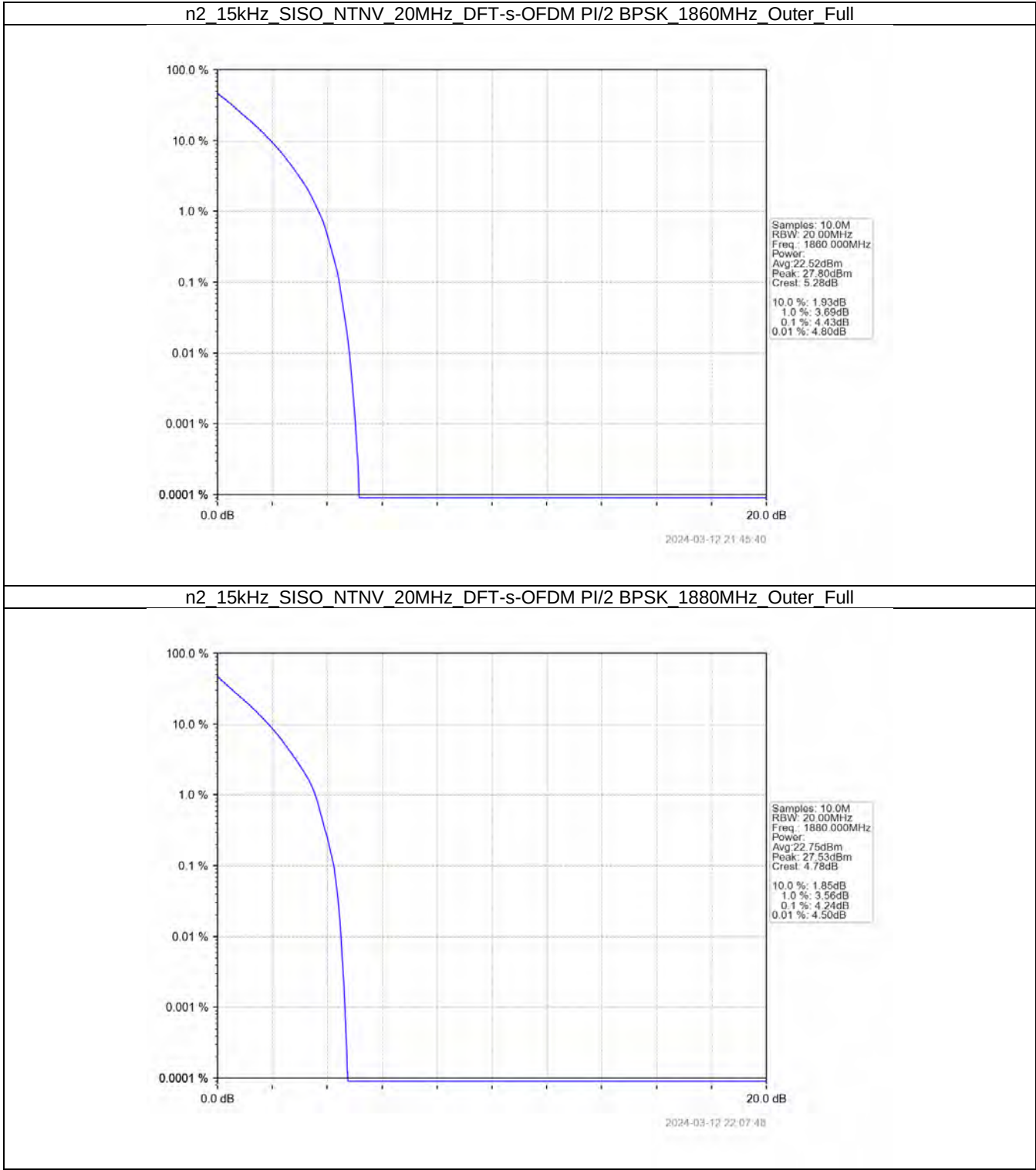
4. Peak-Average Ratio

4.1 15k_SISO_20MHz_NTNV

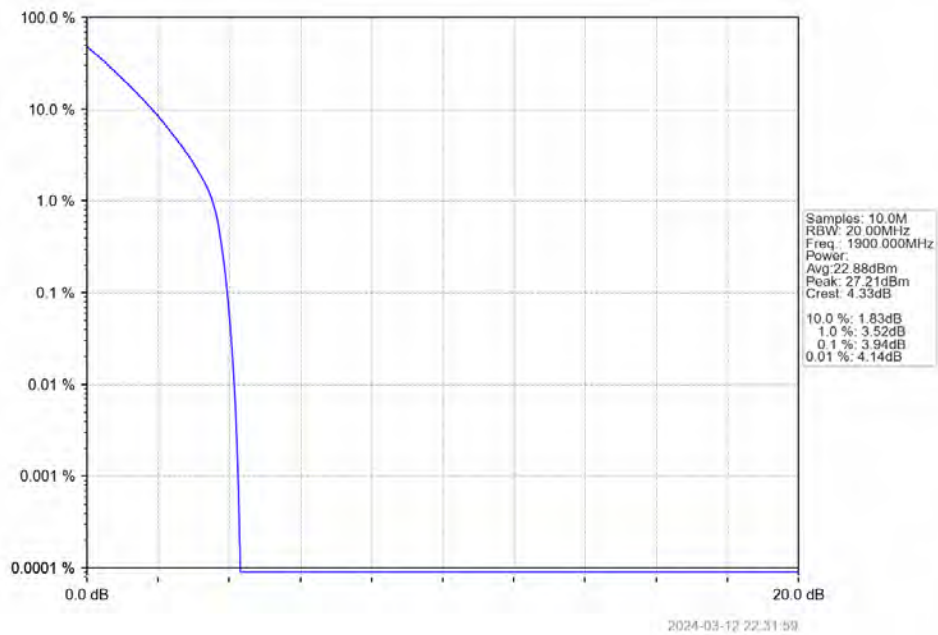
4.1.1 Test Result

5G NR n2 SCS=15kHz SISO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1860	Outer_Full	4.43	/	/	<=13	Pass
	1880	Outer_Full	4.24	/	/	<=13	Pass
	1900	Outer_Full	3.94	/	/	<=13	Pass
DFT-s-OFDM QPSK	1860	Outer_Full	4.67	/	/	<=13	Pass
	1880	Outer_Full	4.50	/	/	<=13	Pass
	1900	Outer_Full	4.72	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1860	Outer_Full	5.72	/	/	<=13	Pass
	1880	Outer_Full	5.55	/	/	<=13	Pass
	1900	Outer_Full	5.75	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1860	Outer_Full	6.10	/	/	<=13	Pass
	1880	Outer_Full	5.93	/	/	<=13	Pass
	1900	Outer_Full	6.02	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1860	Outer_Full	6.82	/	/	<=13	Pass
	1880	Outer_Full	6.55	/	/	<=13	Pass
	1900	Outer_Full	6.83	/	/	<=13	Pass
CP-OFDM QPSK	1860	Outer_Full	6.90	/	/	<=13	Pass
	1880	Outer_Full	6.69	/	/	<=13	Pass
	1900	Outer_Full	6.91	/	/	<=13	Pass
CP-OFDM 16 QAM	1860	Outer_Full	6.93	/	/	<=13	Pass
	1880	Outer_Full	6.72	/	/	<=13	Pass
	1900	Outer_Full	6.95	/	/	<=13	Pass
CP-OFDM 64 QAM	1860	Outer_Full	7.34	/	/	<=13	Pass
	1880	Outer_Full	7.13	/	/	<=13	Pass
	1900	Outer_Full	7.35	/	/	<=13	Pass
CP-OFDM 256 QAM	1860	Outer_Full	8.63	/	/	<=13	Pass
	1880	Outer_Full	8.35	/	/	<=13	Pass
	1900	Outer_Full	8.62	/	/	<=13	Pass

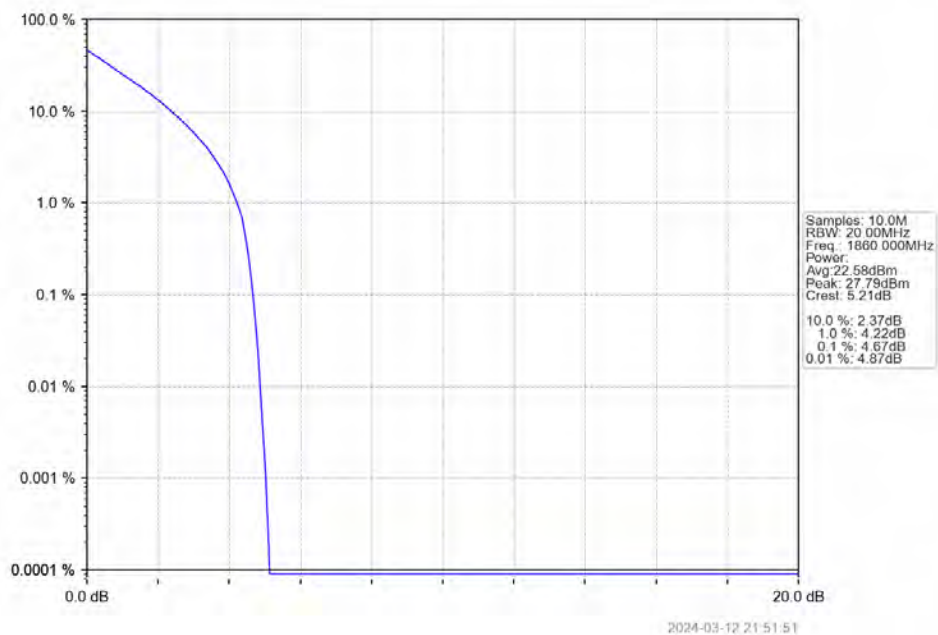
4.1.2 Test Graph



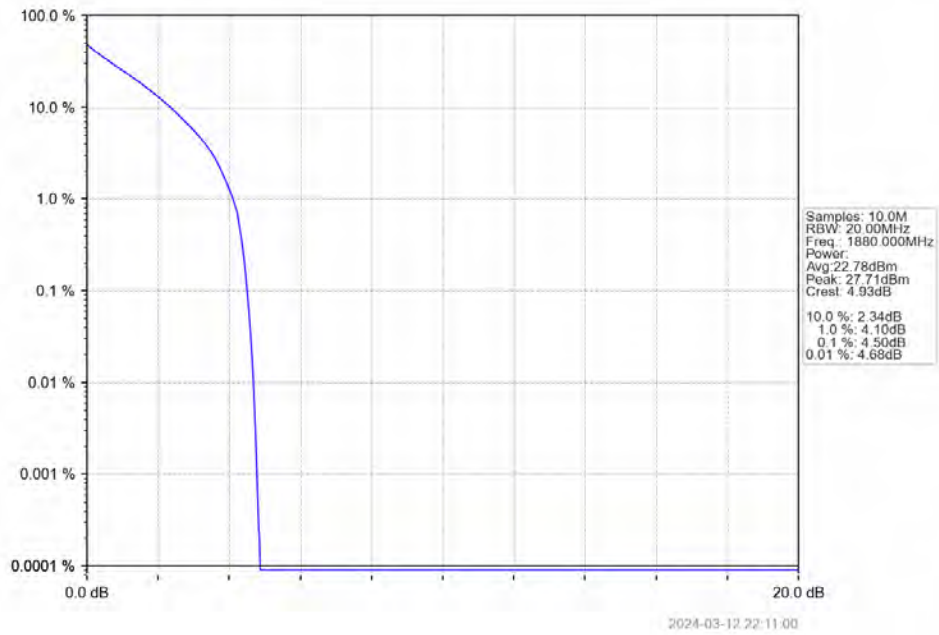
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Outer Full



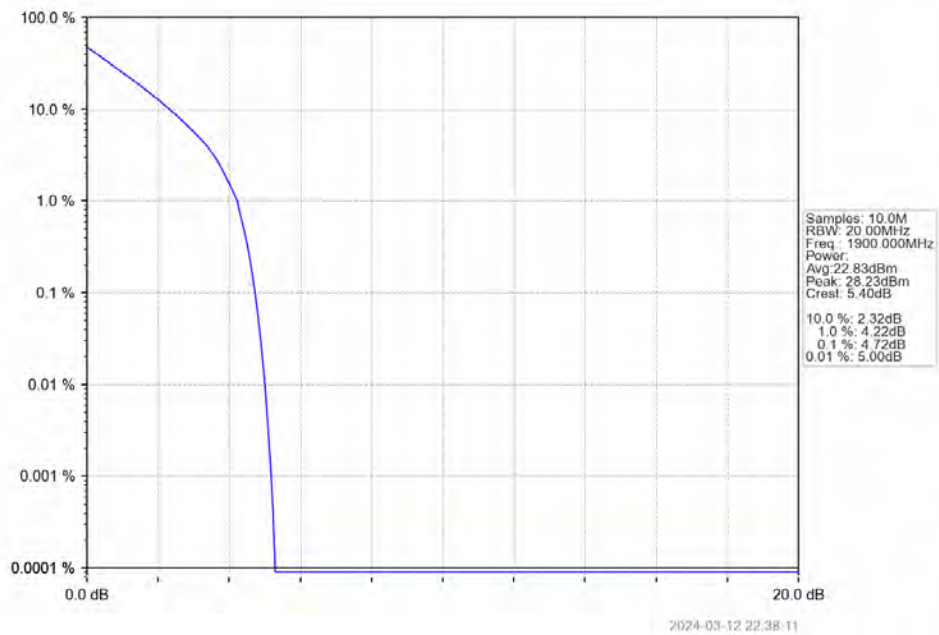
n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1860MHz Outer Full



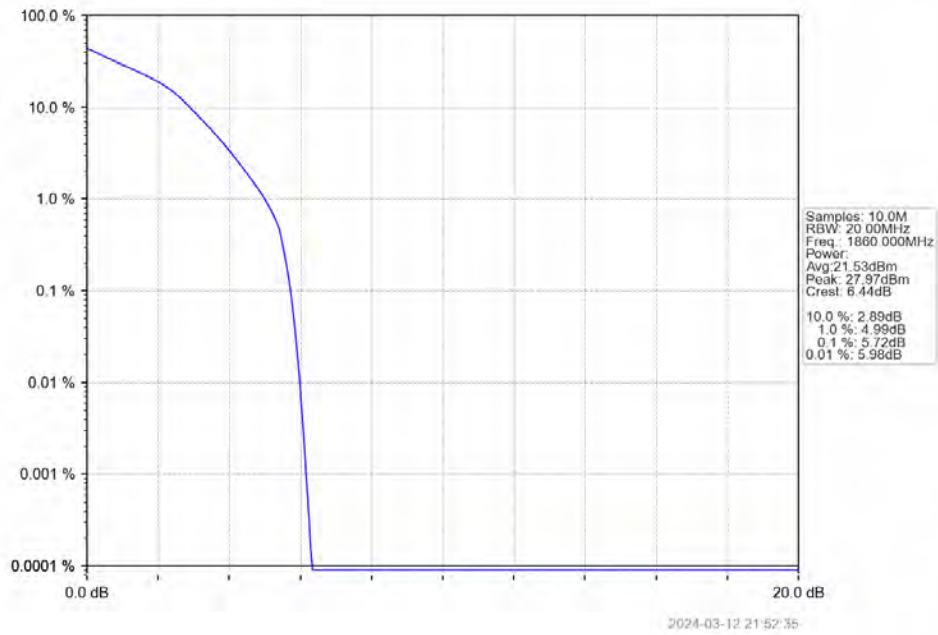
n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1880MHz Outer Full



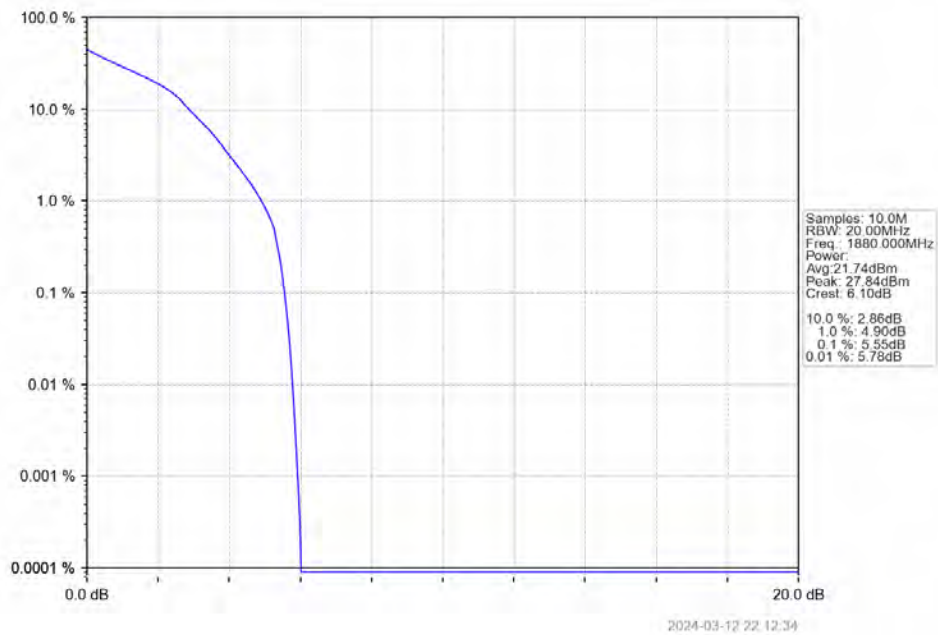
n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1900MHz Outer Full



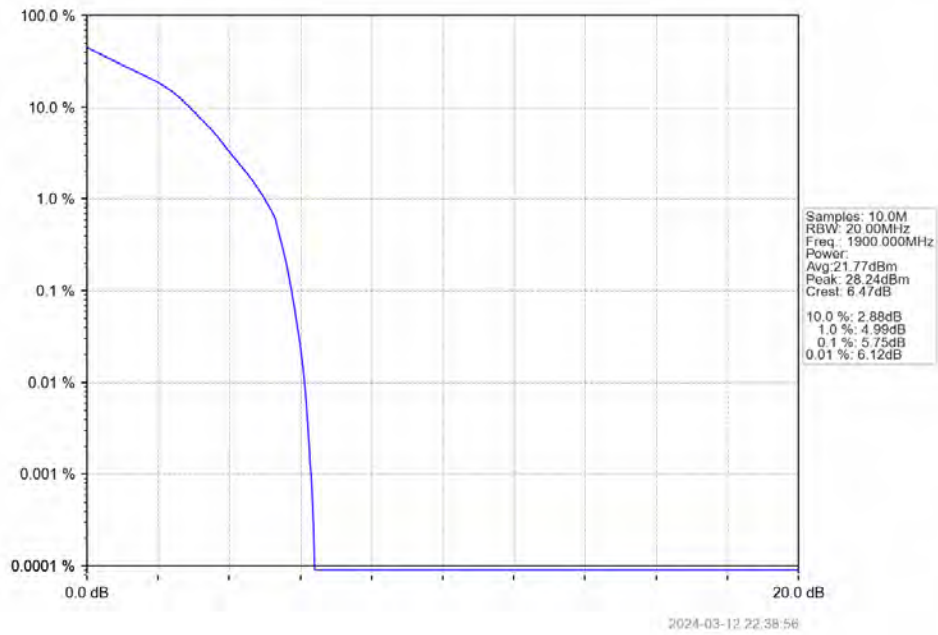
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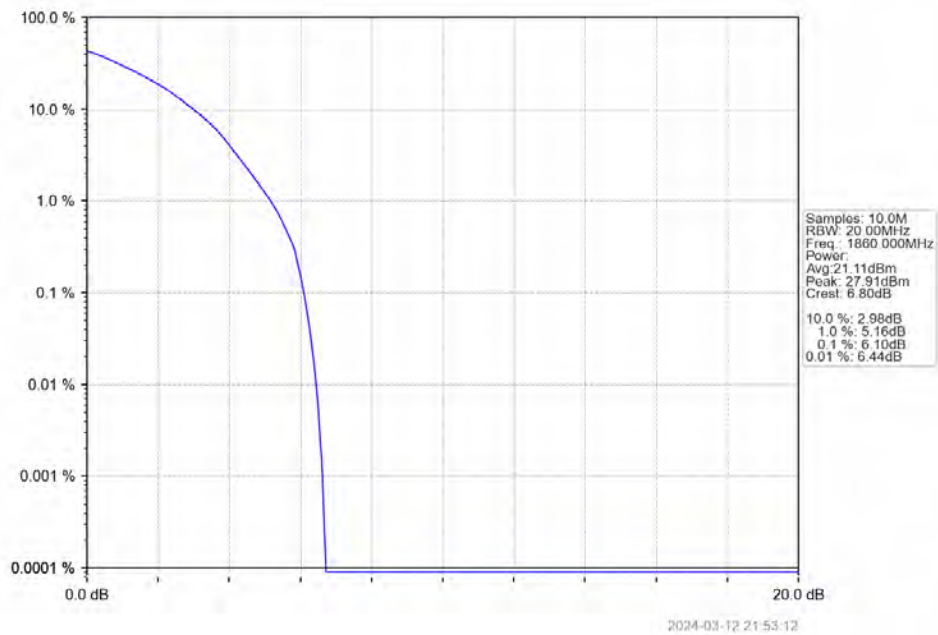
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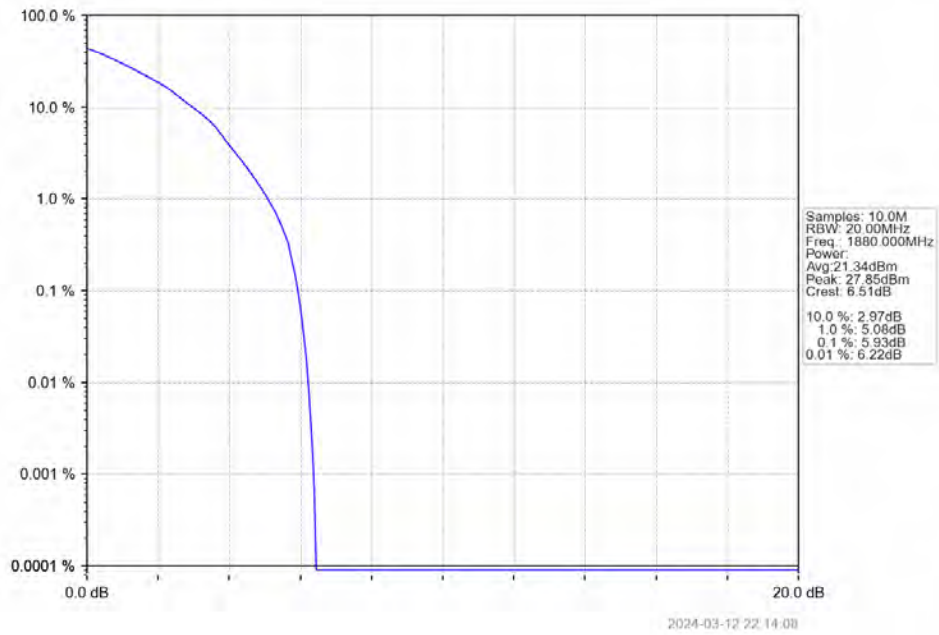
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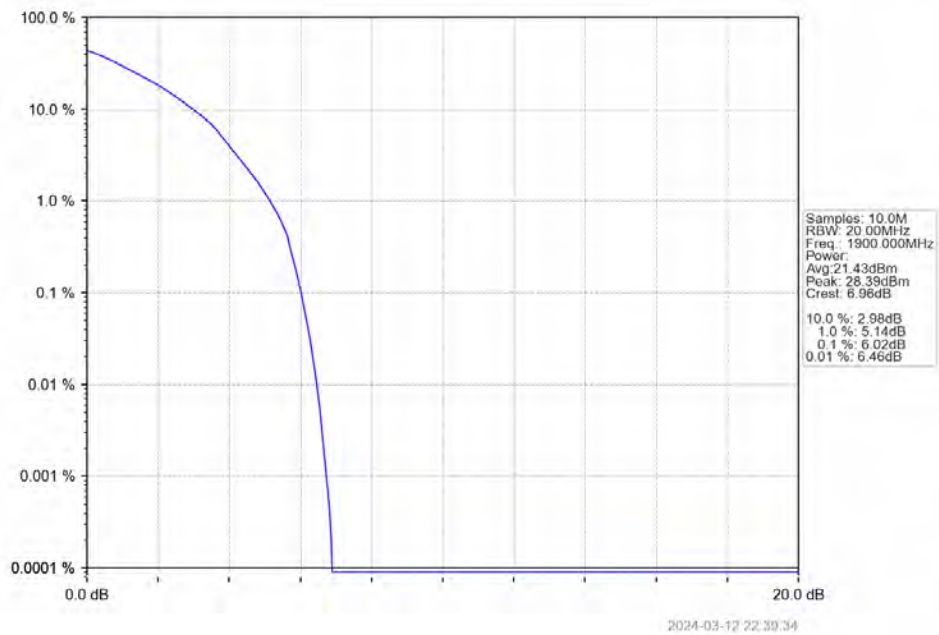
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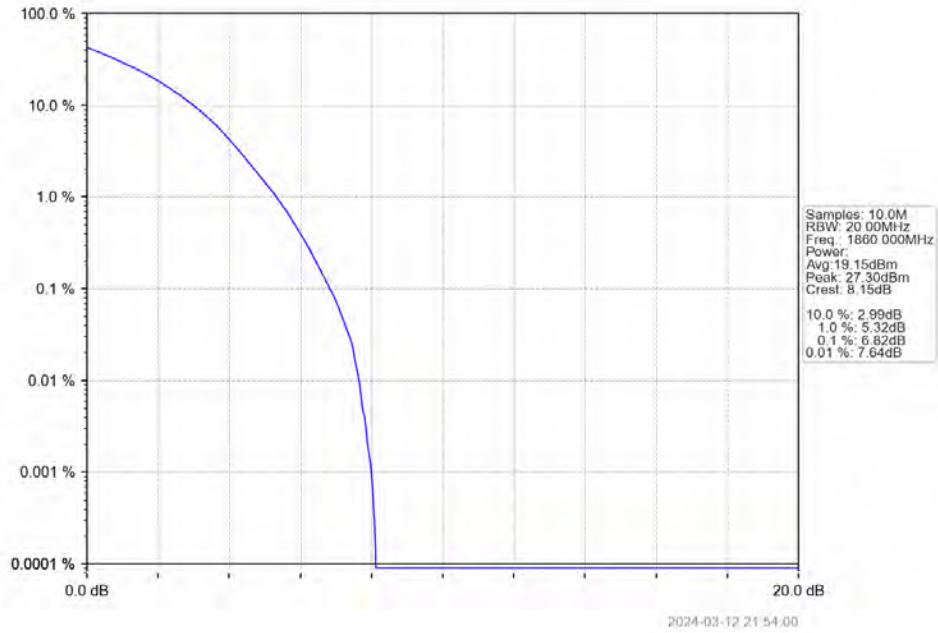
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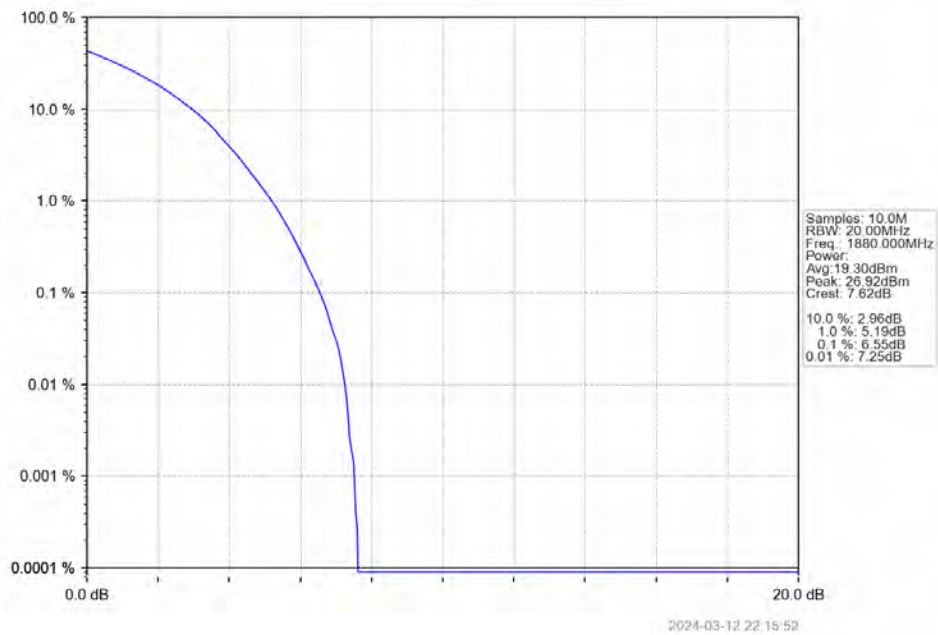
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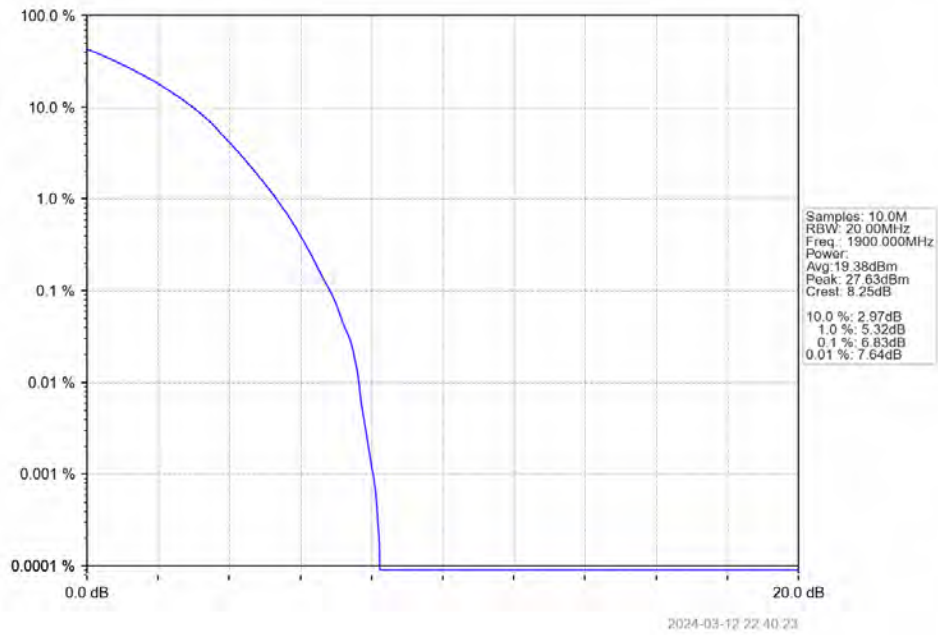
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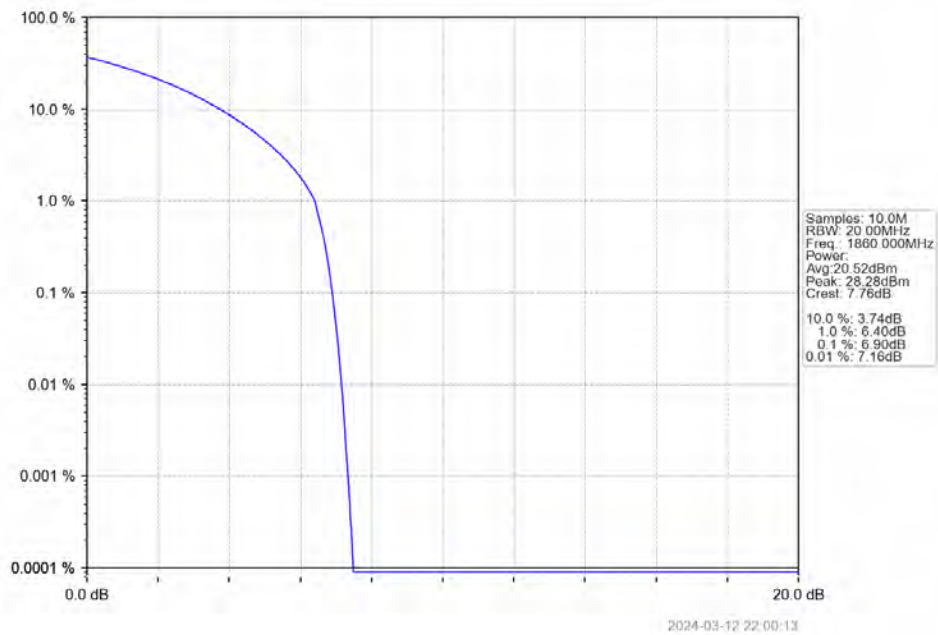
n2 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 1880MHz Outer Full



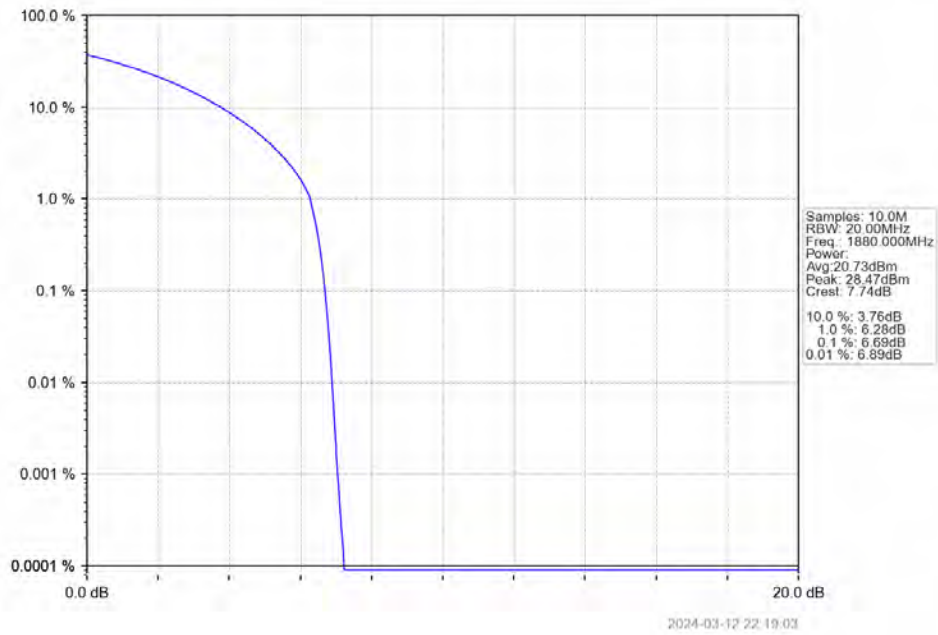
n2 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 1900MHz Outer Full



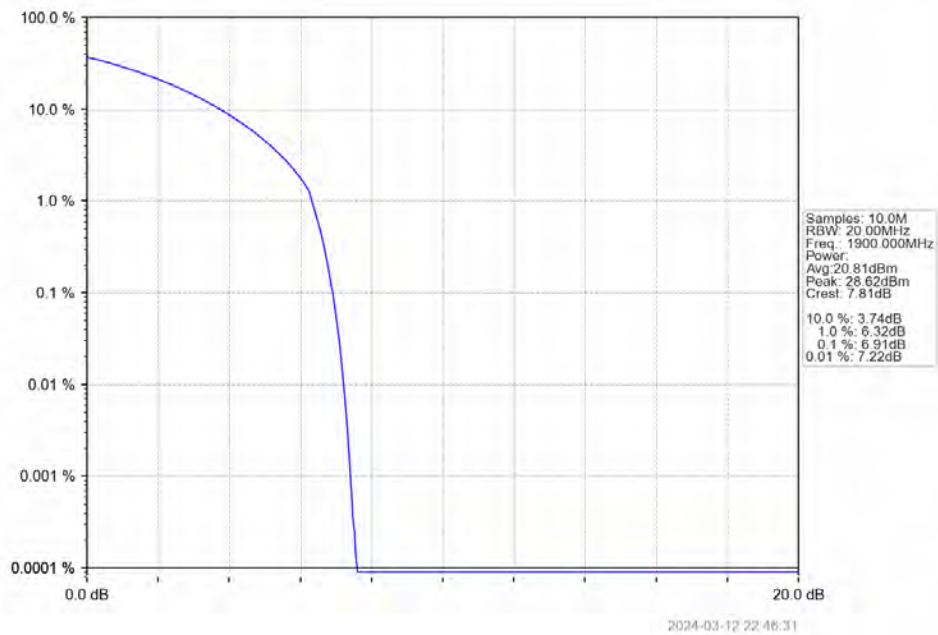
n2 15kHz SISO NTN 20MHz CP-OFDM QPSK 1860MHz Outer Full



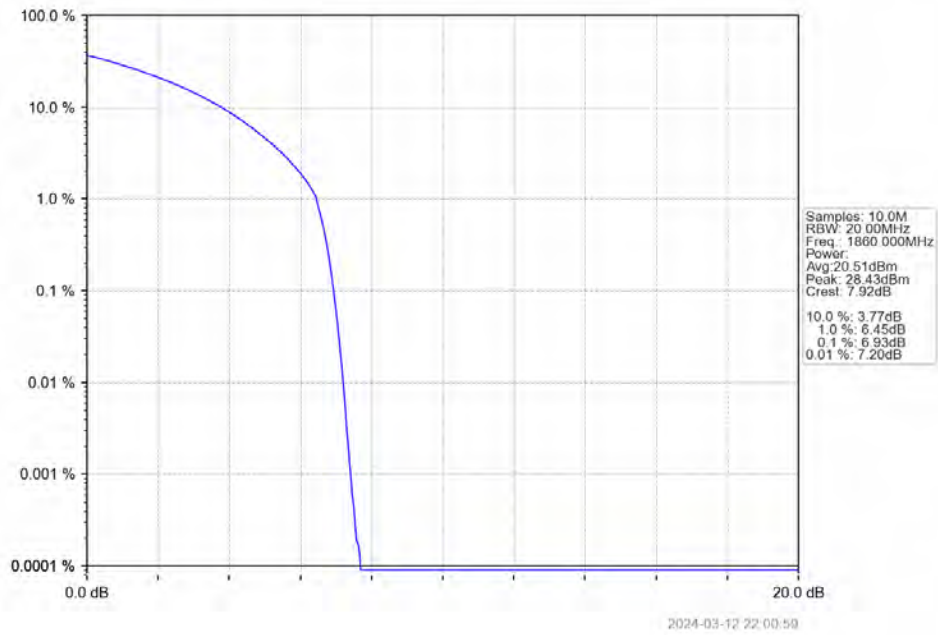
n2 15kHz SISO NTN 20MHz CP-OFDM QPSK 1880MHz Outer Full



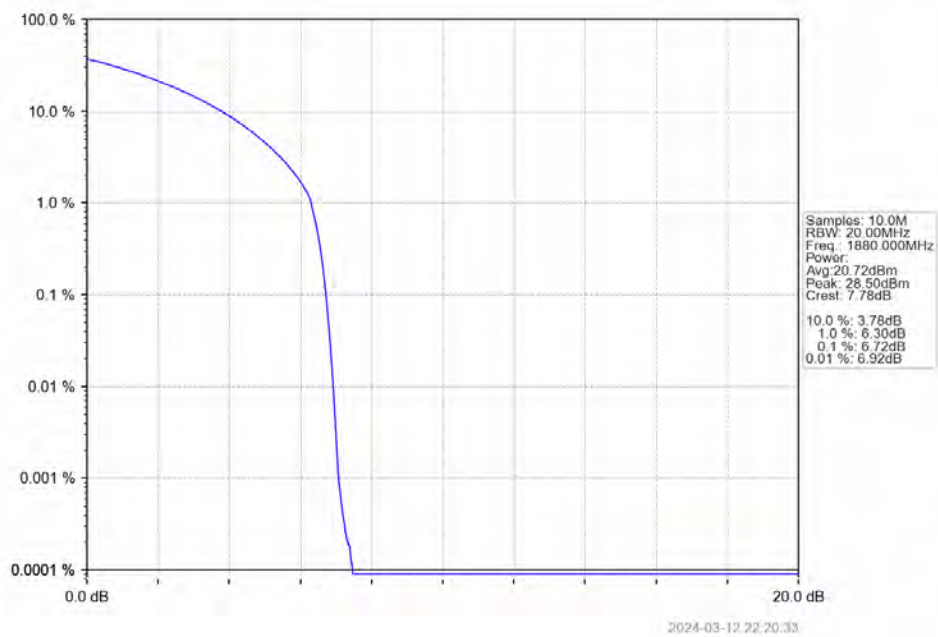
n2 15kHz SISO NTN 20MHz CP-OFDM QPSK 1900MHz Outer Full



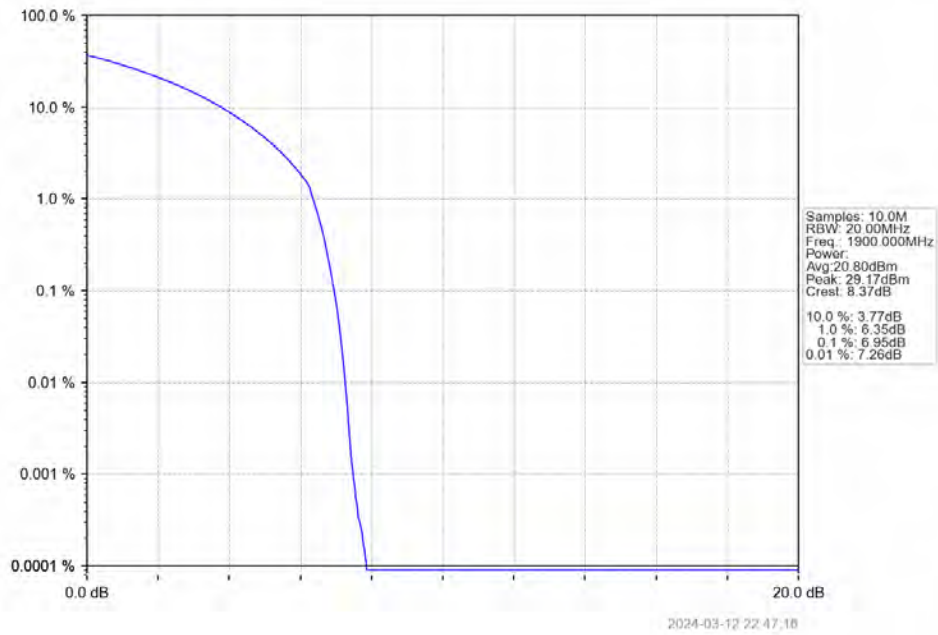
n2 15kHz SISO NTV 20MHz CP-OFDM 16 QAM 1860MHz Outer Full



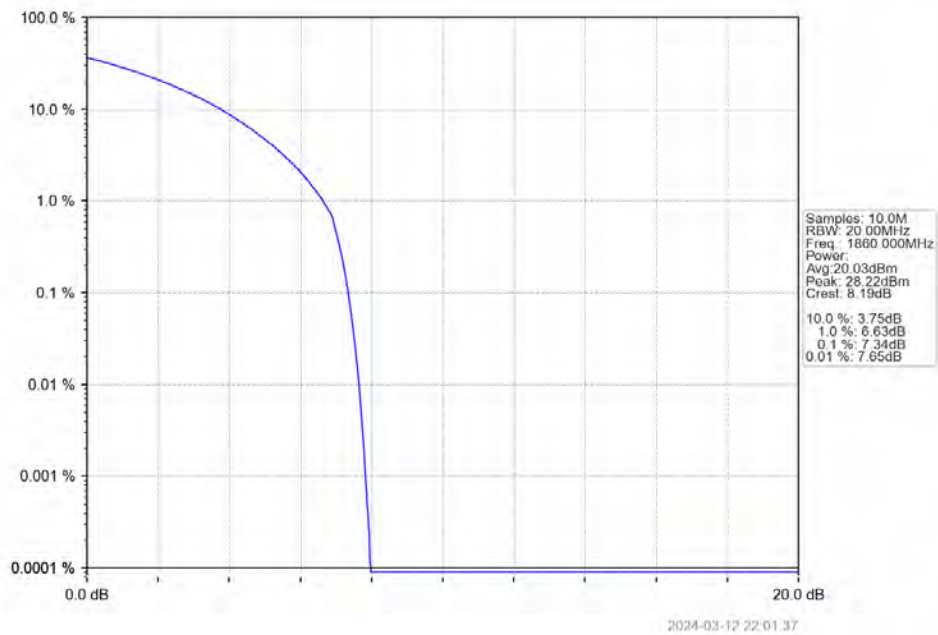
n2 15kHz SISO NTV 20MHz CP-OFDM 16 QAM 1880MHz Outer Full



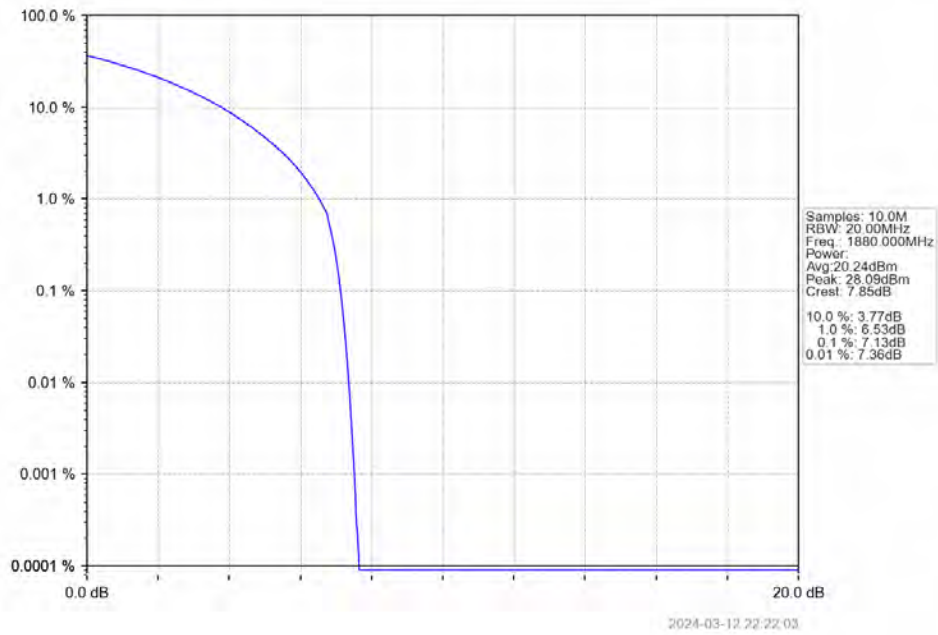
n2 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 1900MHz Outer Full



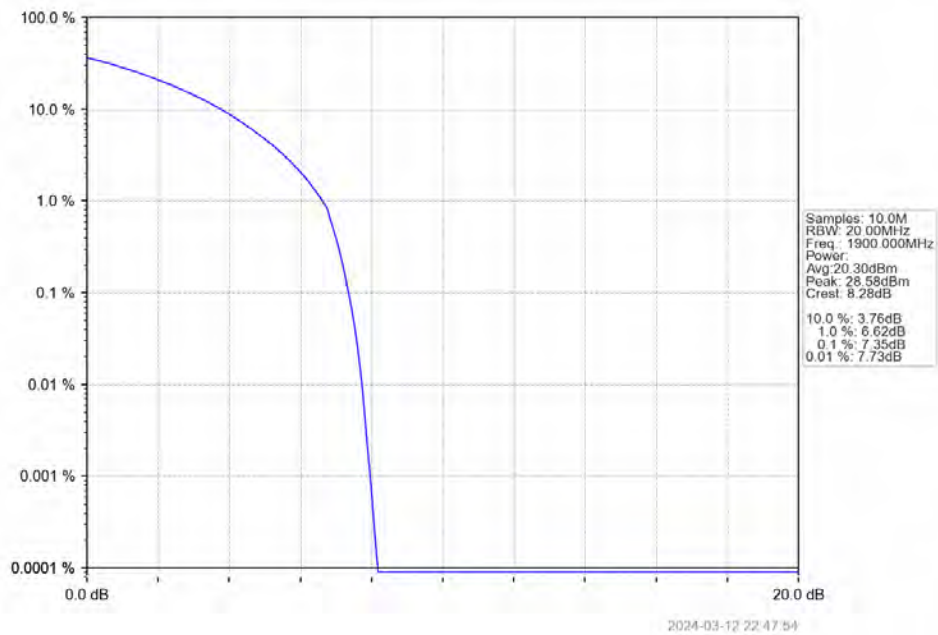
n2 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 1860MHz Outer Full



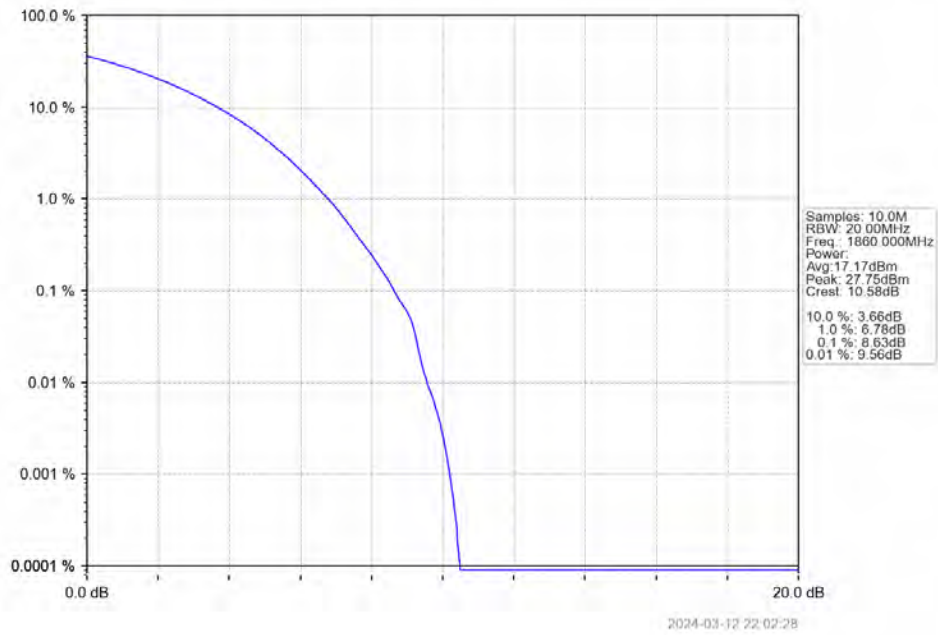
n2 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 1880MHz Outer Full



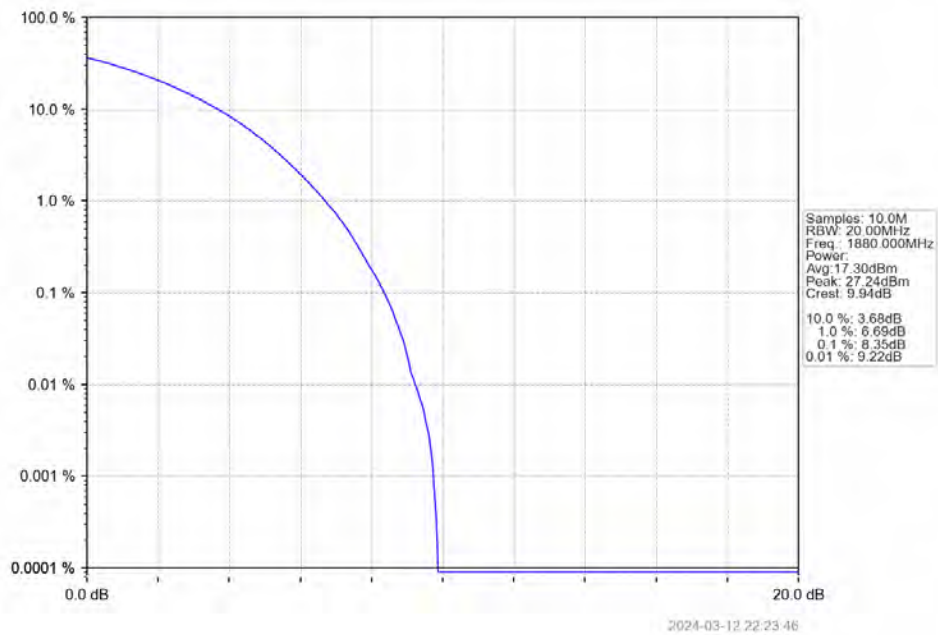
n2 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 1900MHz Outer Full



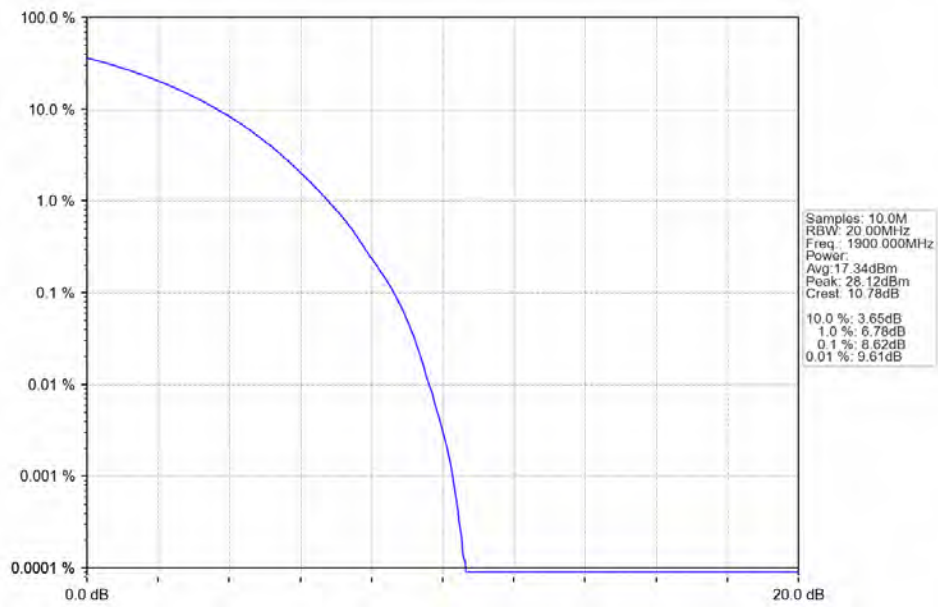
n2 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 1860MHz Outer Full



n2 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 1880MHz Outer Full



n2 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 1900MHz Outer Full



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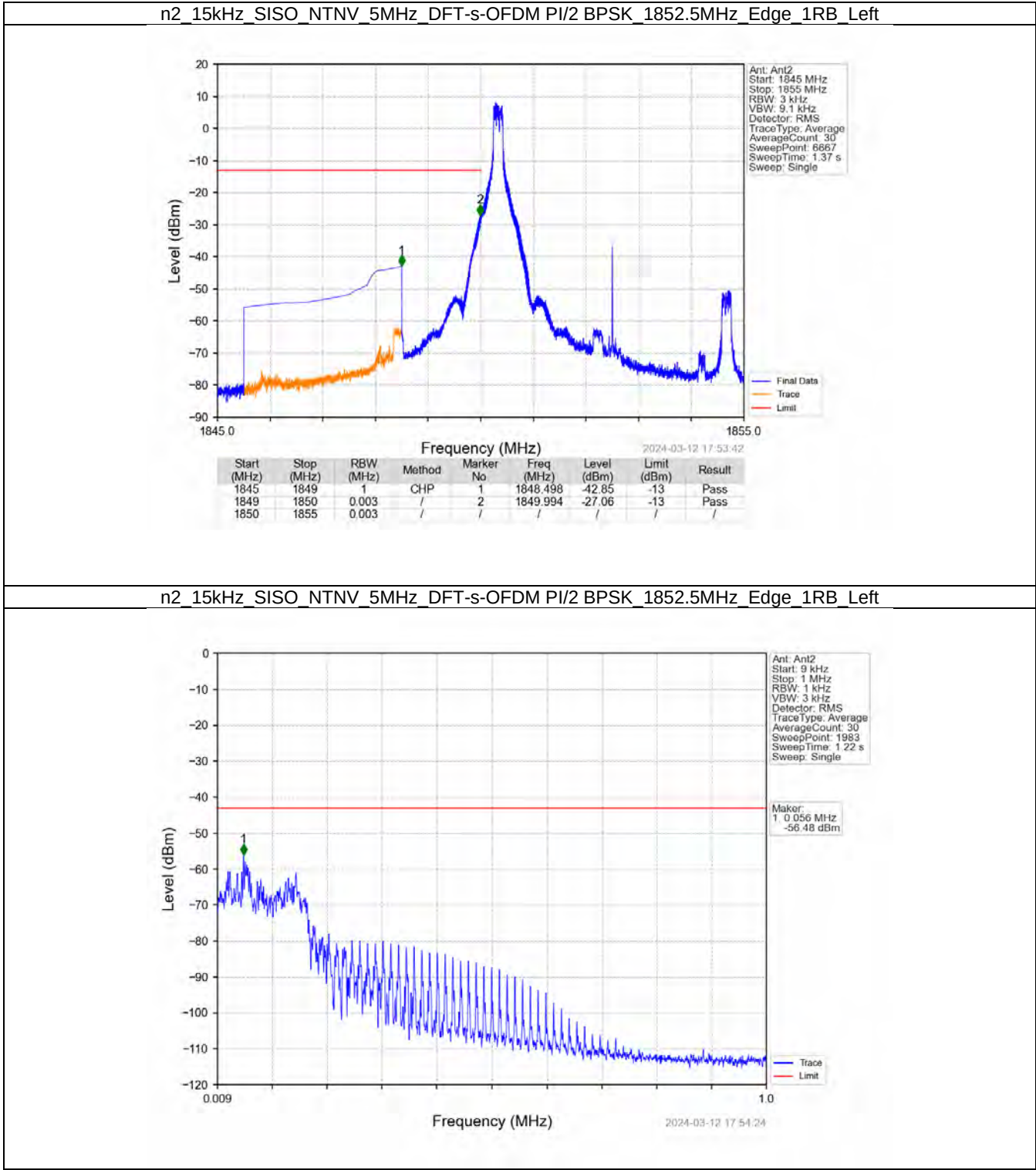
5. Spurious Emission

5.1 15k_SISO_5MHz_NTNV

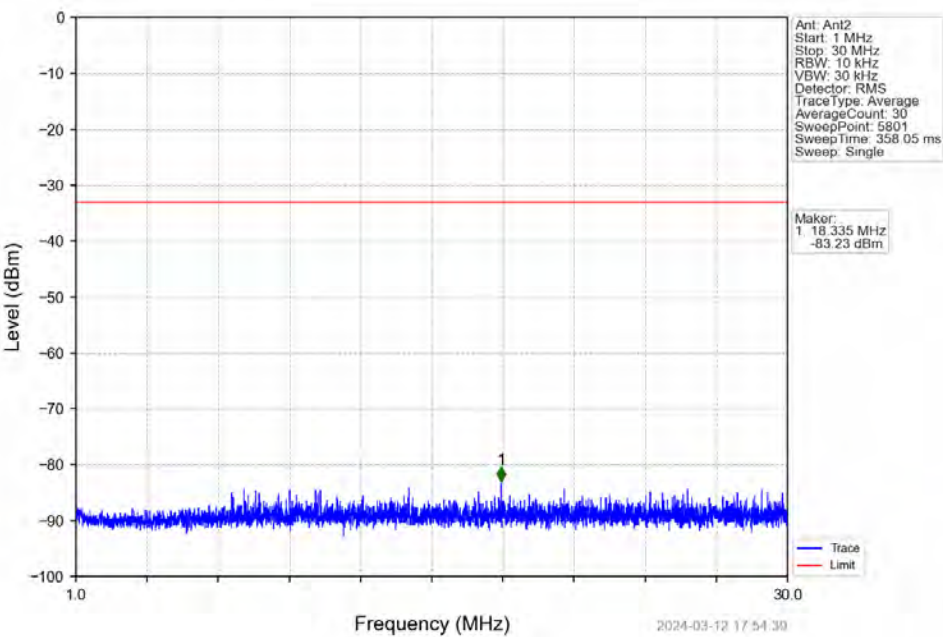
5.1.1 Test Result

5G NR n2 SCS=15kHz SISO 5MHz NTNv									
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict		
			Ant2	Ant2*	Sum	Limit			
DFT-s-OFDM PI/2 BPSK	1852.5	Edge_1RB_Left	Refer To Test Graph				Pass		
		Outer_Full	Refer To Test Graph				Pass		
		Inner_1RB_Left	Refer To Test Graph				Pass		
	1880	Edge_1RB_Left	Refer To Test Graph				Pass		
		1907.5	Edge_1RB_Right	Refer To Test Graph				Pass	
			Outer_Full	Refer To Test Graph				Pass	
			Inner_1RB_Right	Refer To Test Graph				Pass	
		DFT-s-OFDM QPSK	1852.5	Edge_1RB_Left	Refer To Test Graph				Pass
				Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Left	Refer To Test Graph				Pass				
1880	Edge_1RB_Left		Refer To Test Graph				Pass		
	1907.5		Edge_1RB_Right	Refer To Test Graph				Pass	
			Outer_Full	Refer To Test Graph				Pass	
Inner_1RB_Right			Refer To Test Graph				Pass		

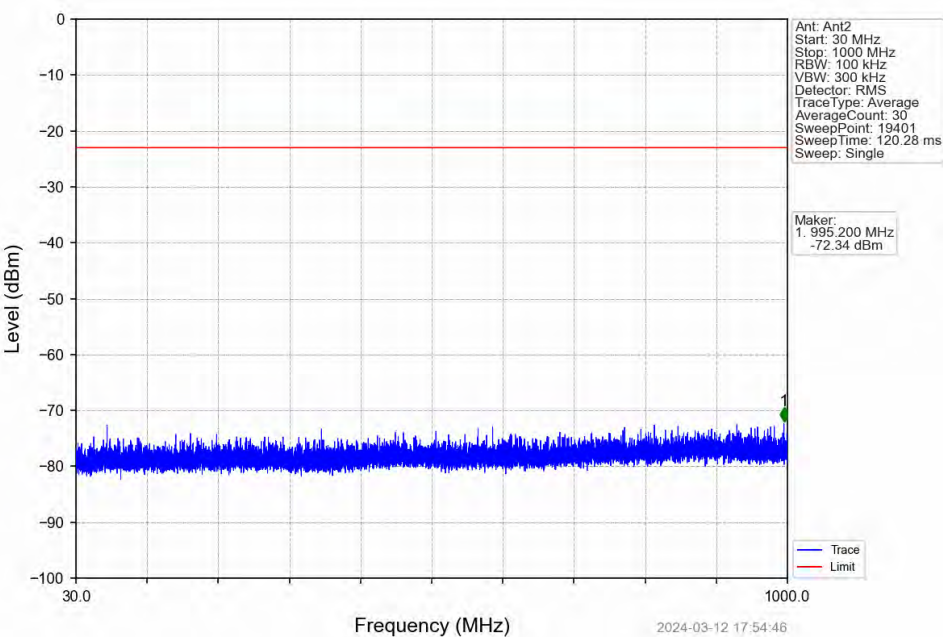
5.1.2 Test Graph



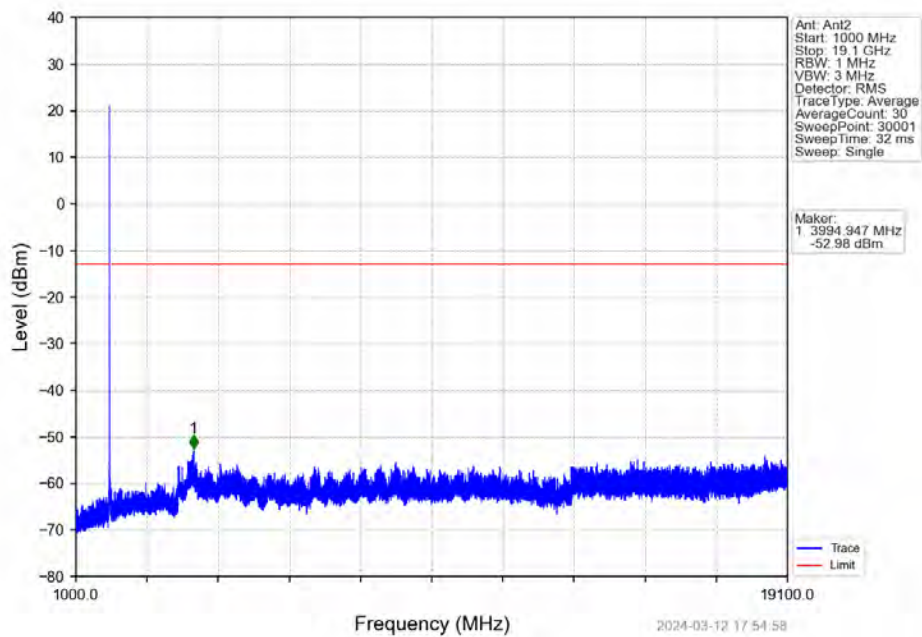
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1852.5MHz Edge 1RB Left



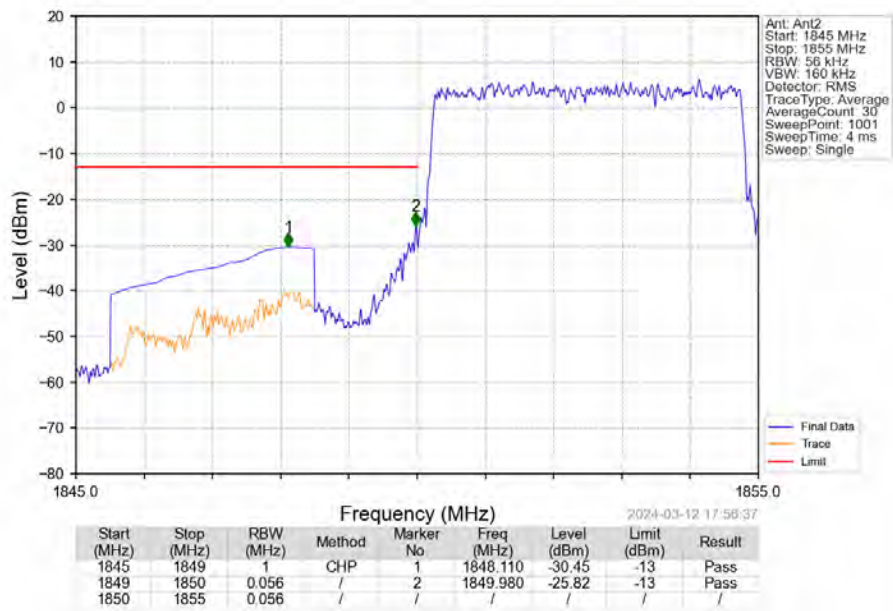
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1852.5MHz Edge 1RB Left



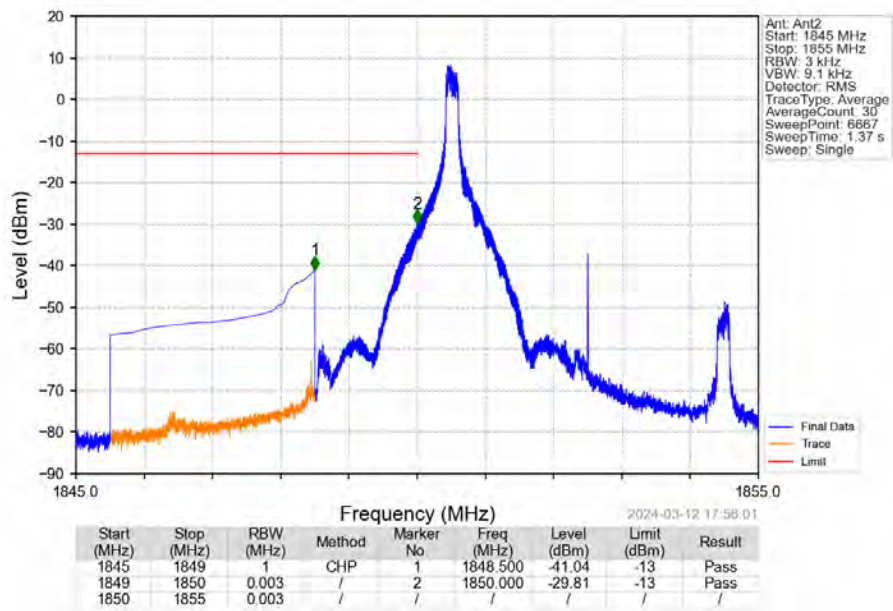
n2 15kHz SISO NTNv 5MHz DFT-s-OFDM PI/2 BPSK 1852.5MHz Edge 1RB Left



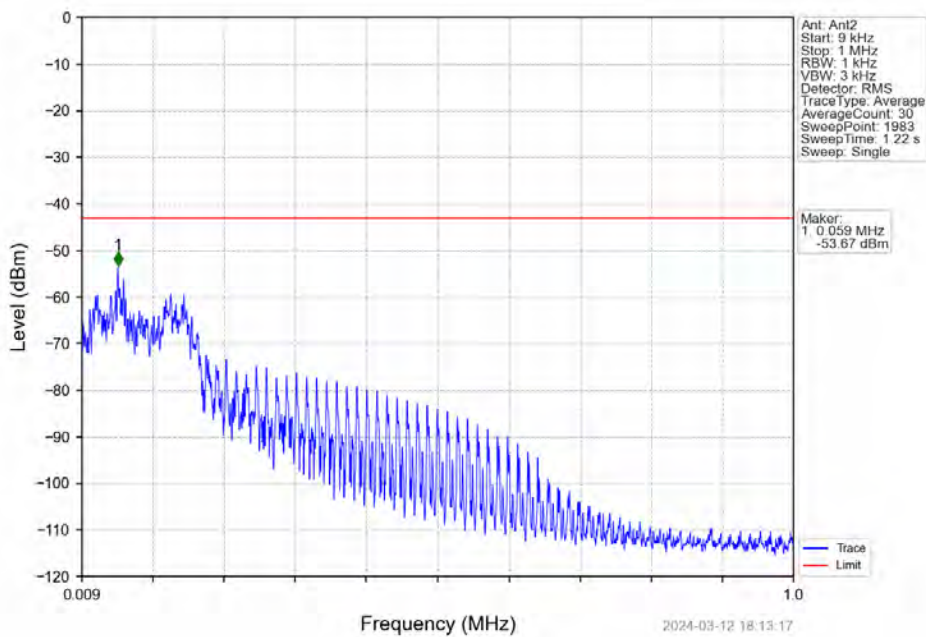
n2 15kHz SISO NTNv 5MHz DFT-s-OFDM PI/2 BPSK 1852.5MHz Outer Full



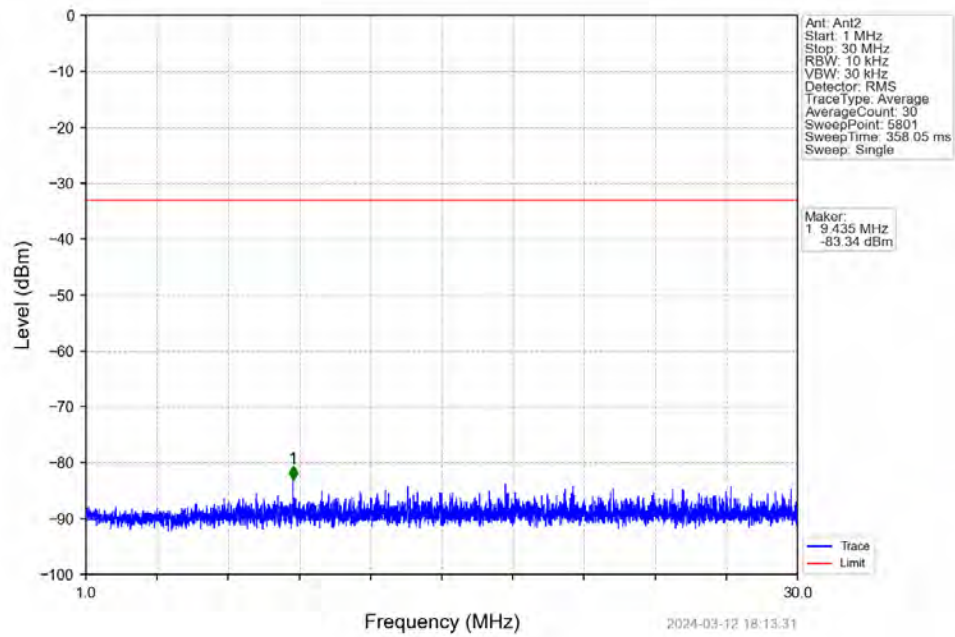
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1852.5MHz Inner 1RB Left



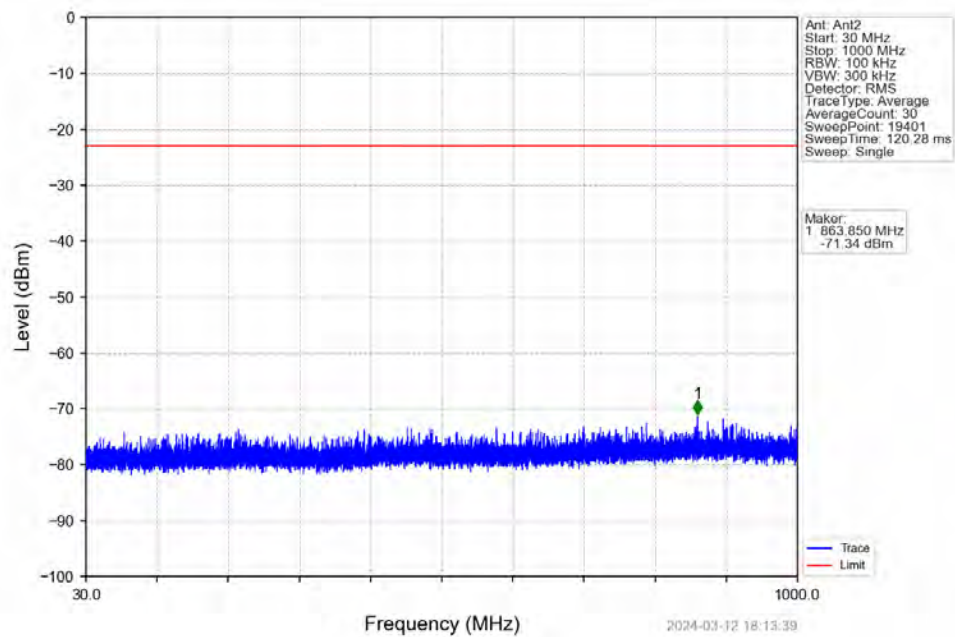
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1880MHz Edge 1RB Left



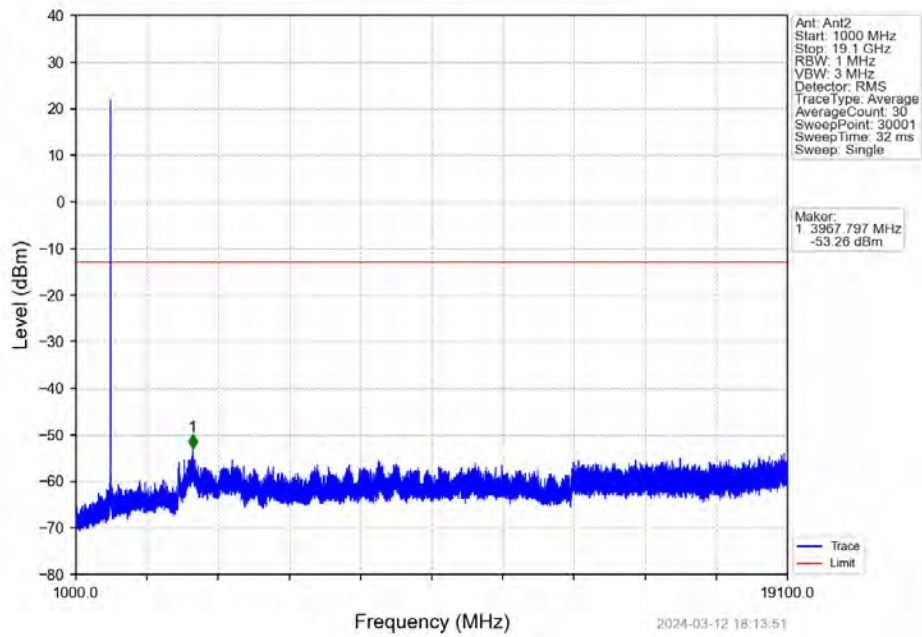
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1880MHz Edge 1RB Left



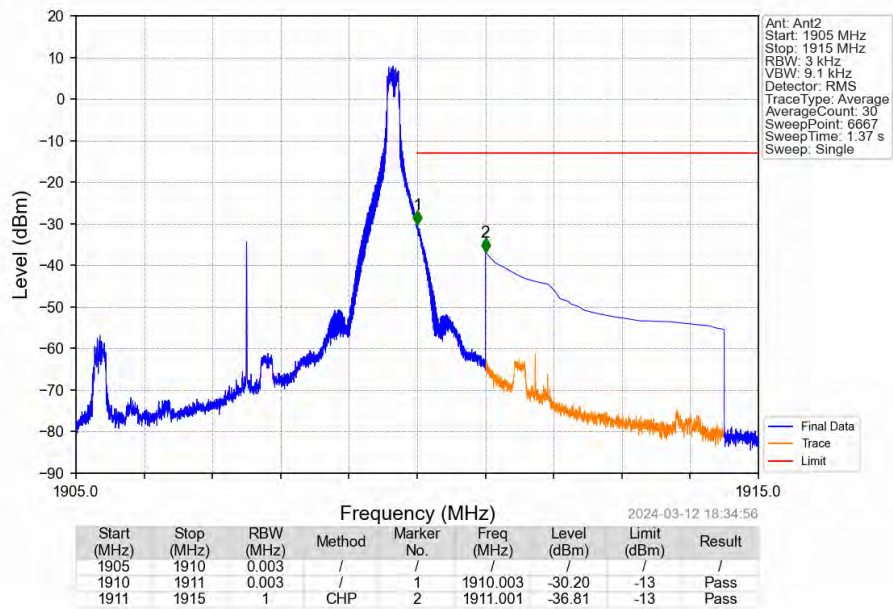
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1880MHz Edge 1RB Left



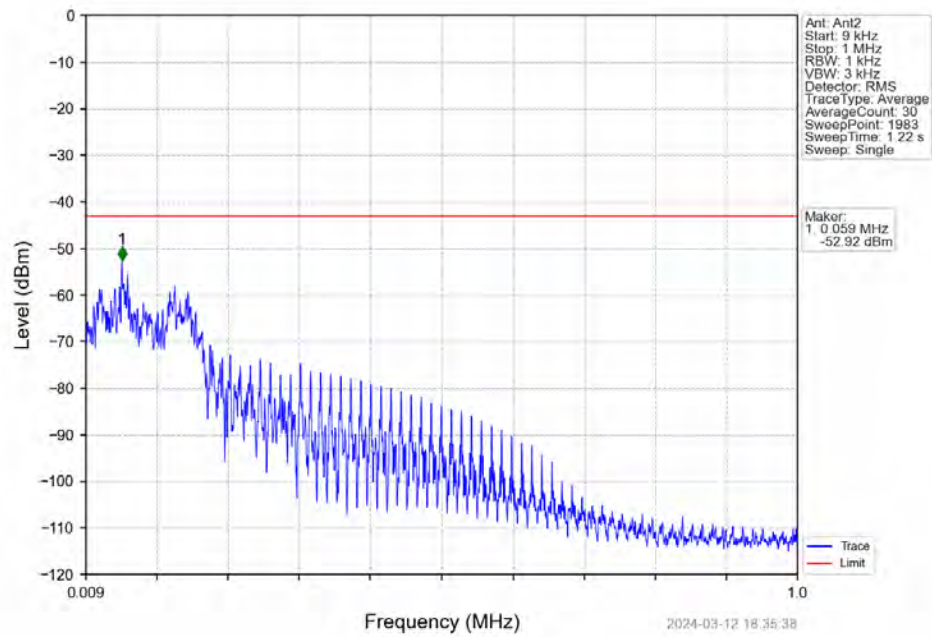
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1880MHz Edge 1RB Left



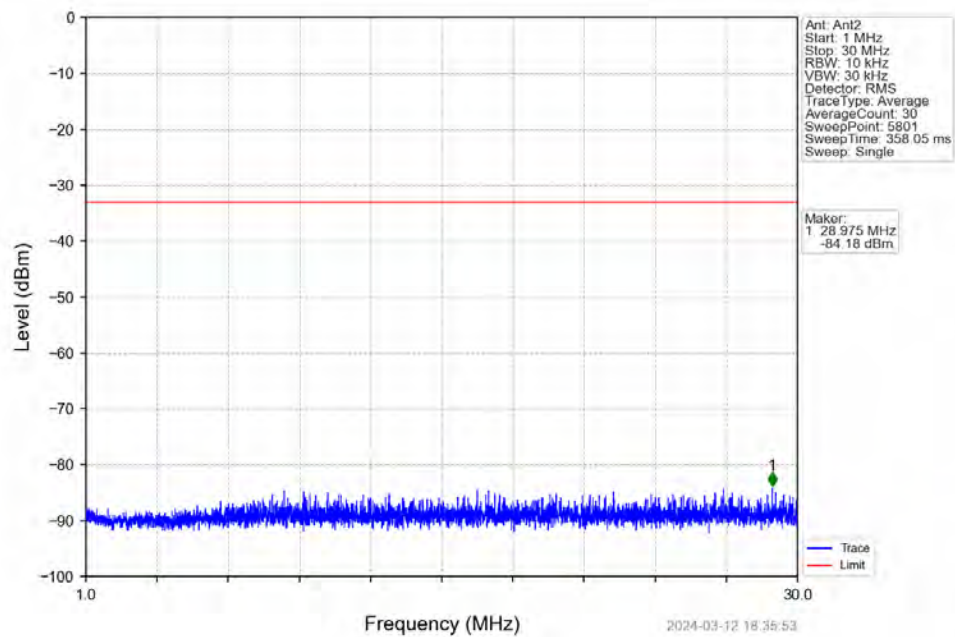
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1907.5MHz Edge 1RB Right



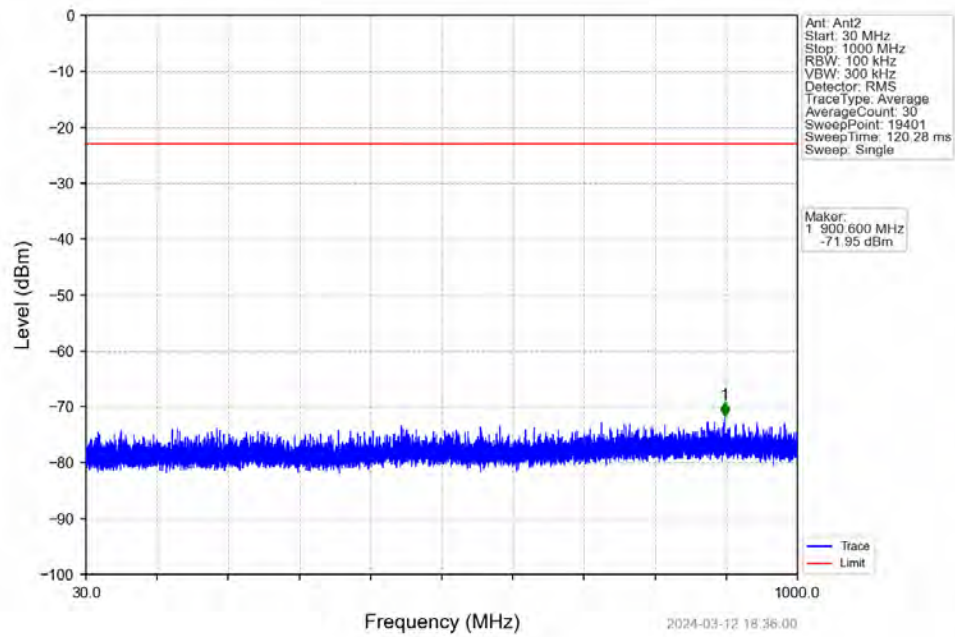
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1907.5MHz Edge 1RB Right



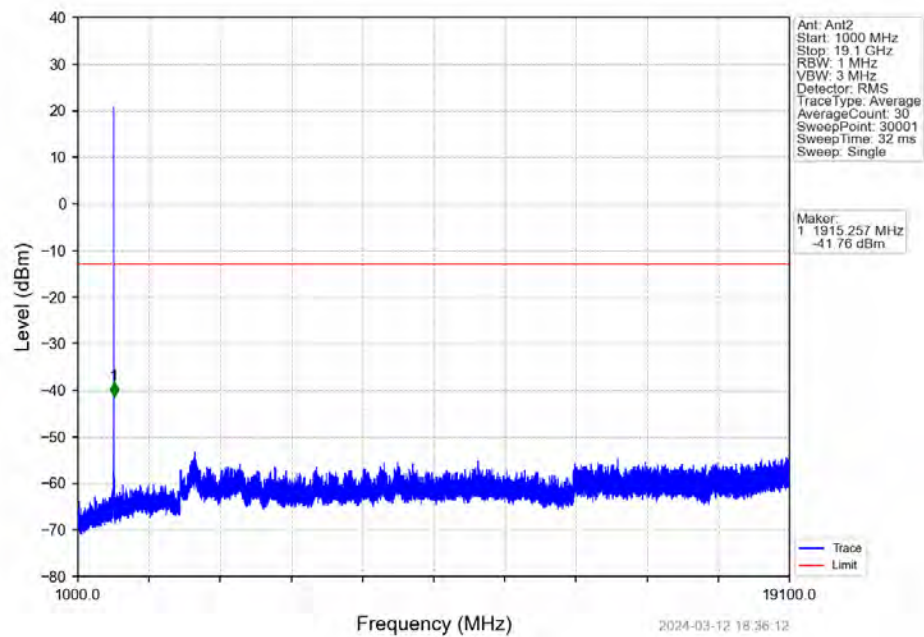
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1907.5MHz Edge 1RB Right



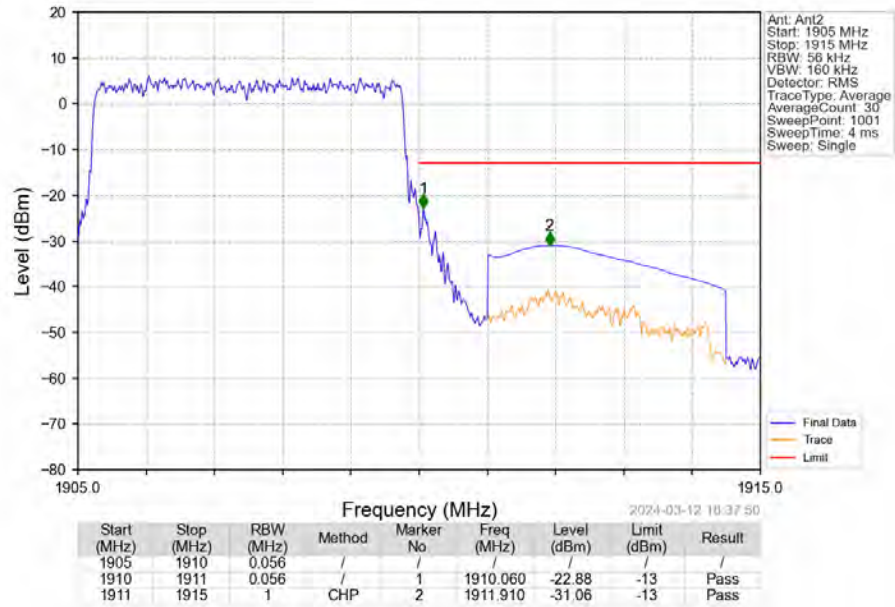
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1907.5MHz Edge 1RB Right



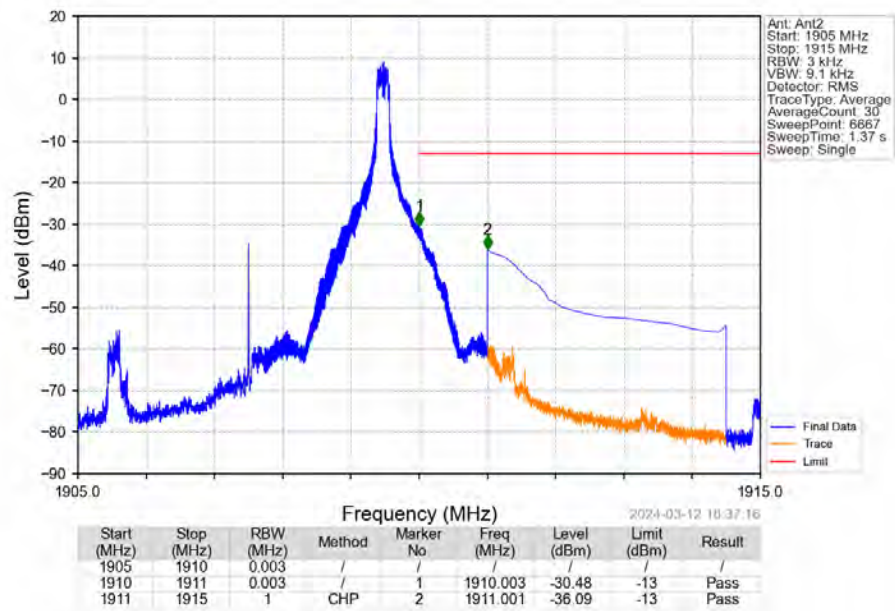
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1907.5MHz Edge 1RB Right



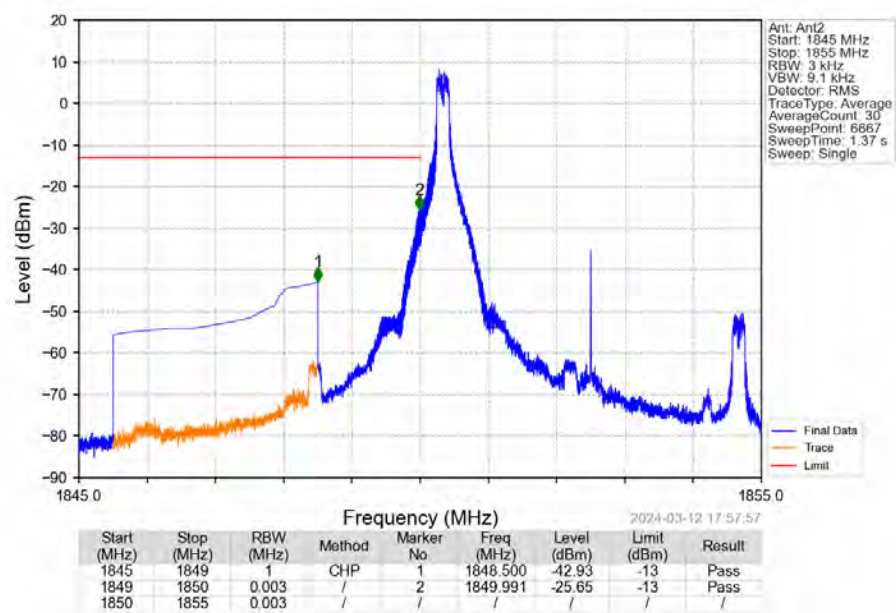
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1907.5MHz Outer Full



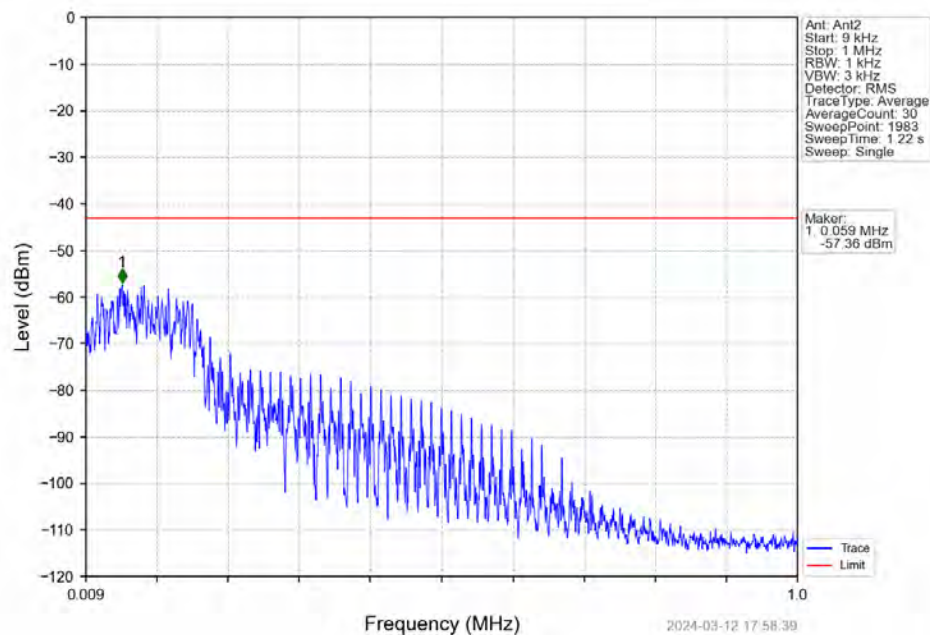
n2 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1907.5MHz Inner 1RB Right



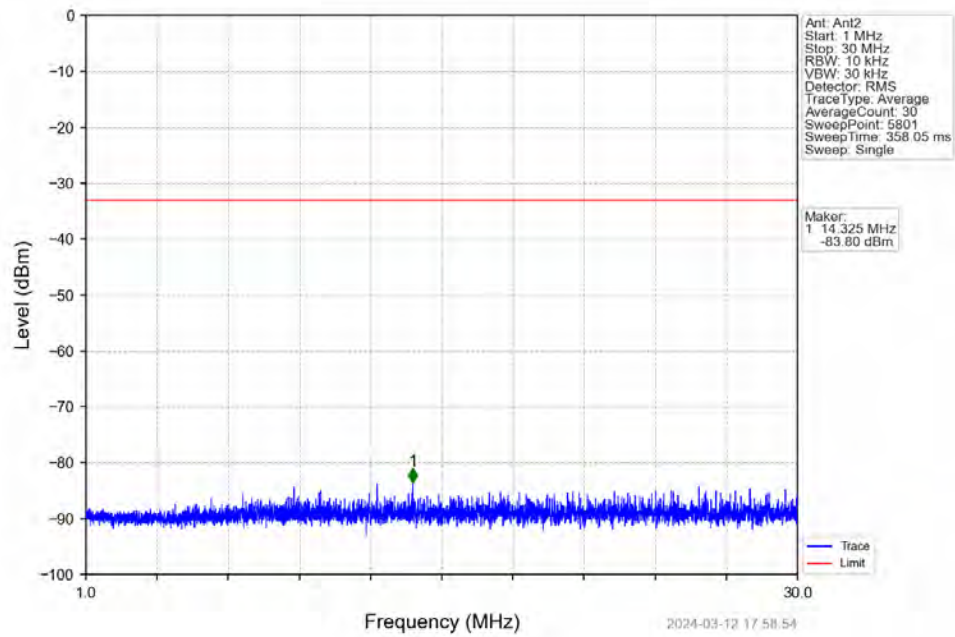
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1852.5MHz Edge 1RB Left



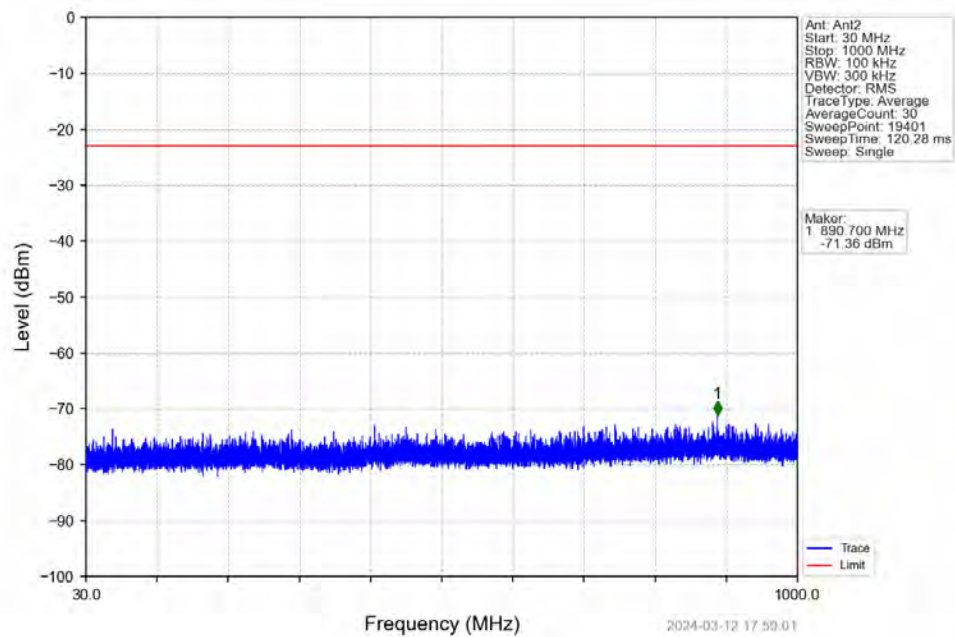
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1852.5MHz Edge 1RB Left



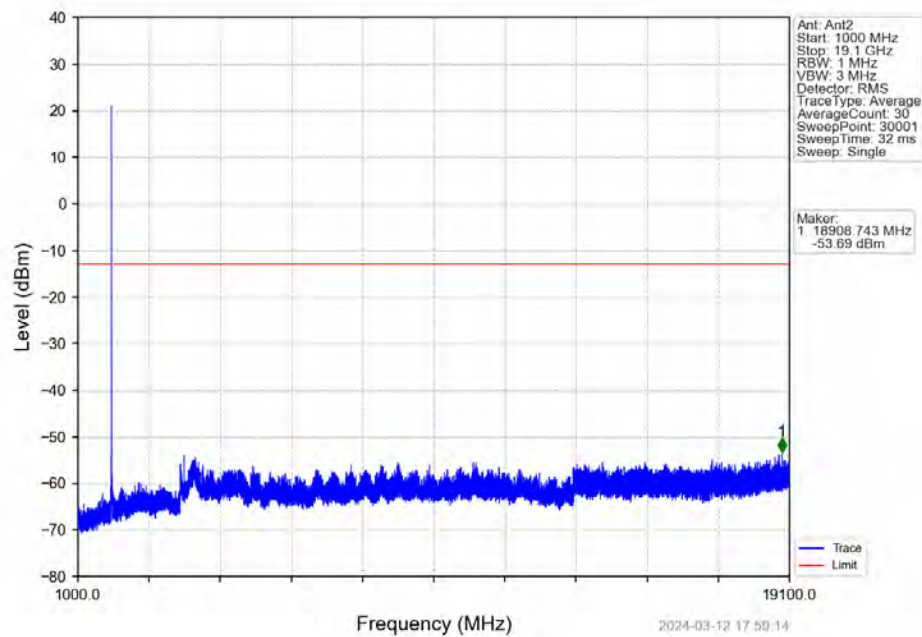
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1852.5MHz Edge 1RB Left



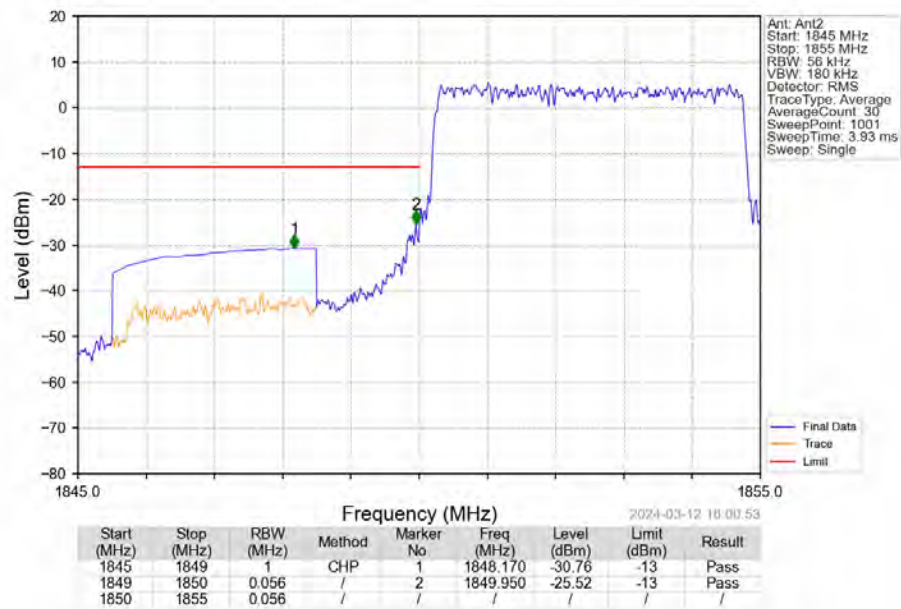
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1852.5MHz Edge 1RB Left



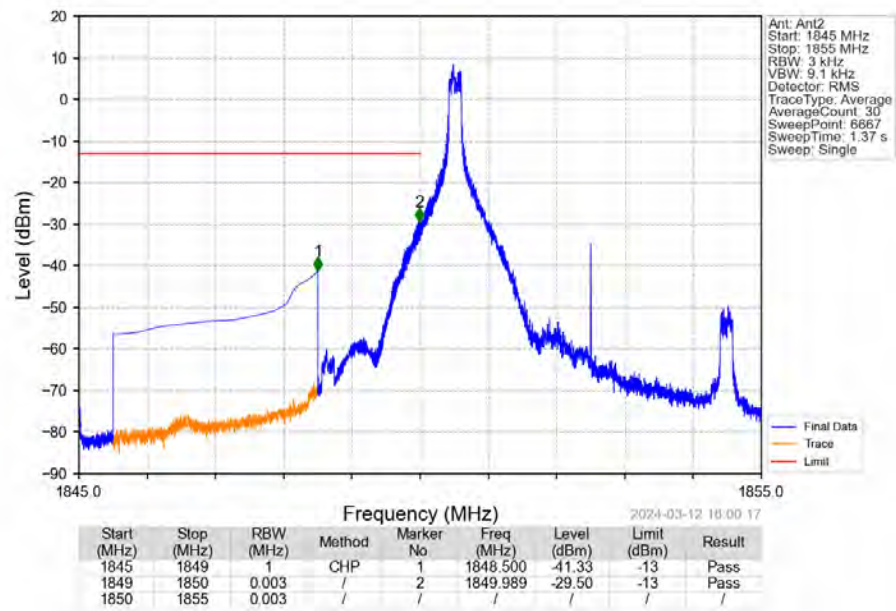
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1852.5MHz Edge 1RB Left



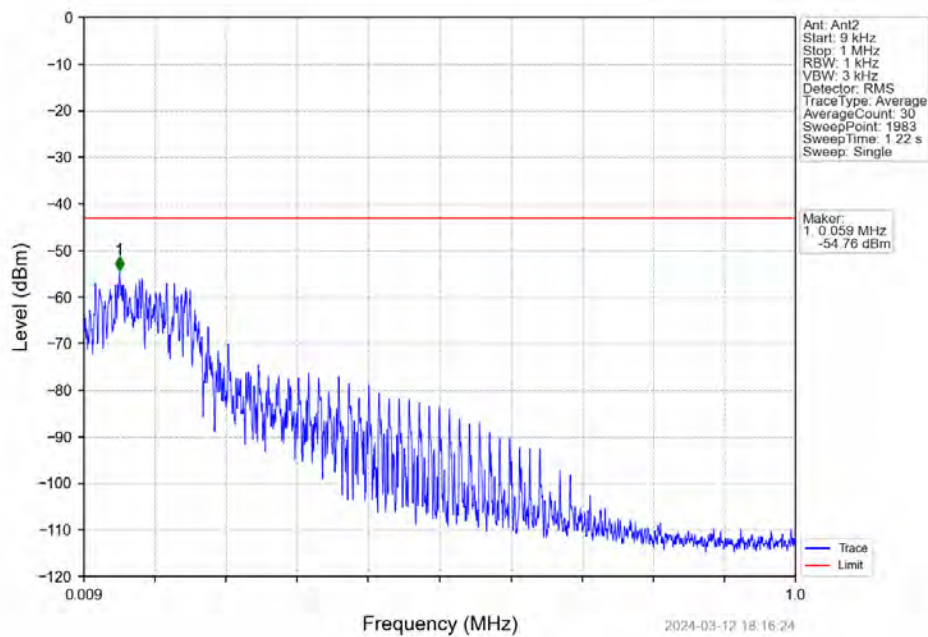
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1852.5MHz Outer Full



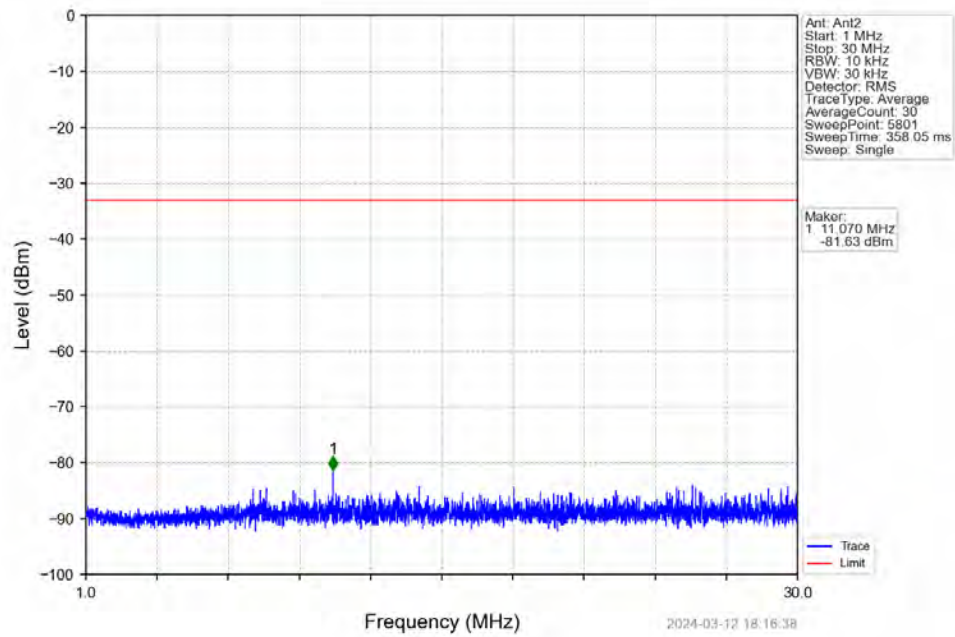
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1852.5MHz Inner 1RB Left



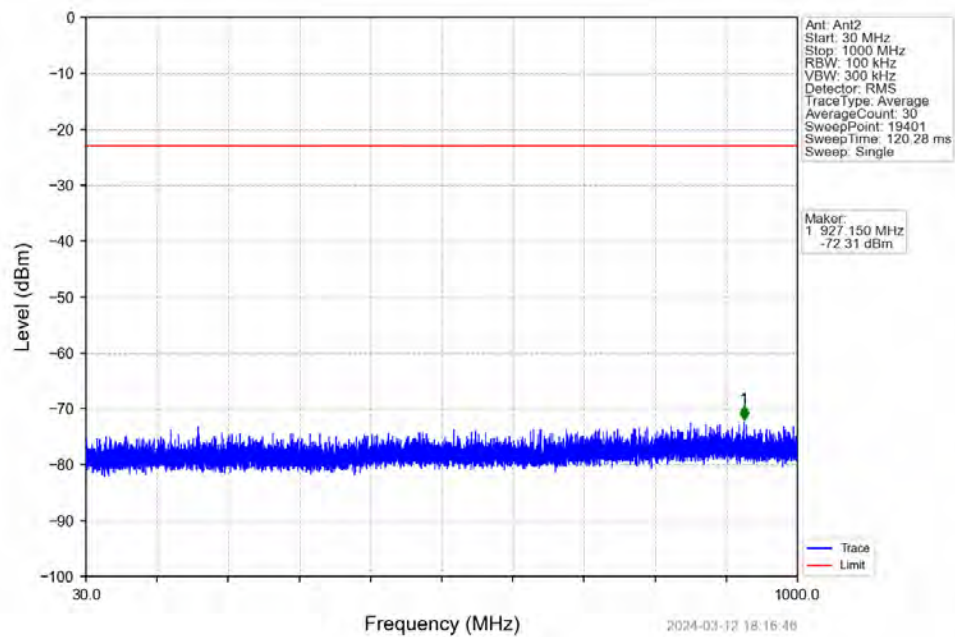
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1880MHz Edge 1RB Left



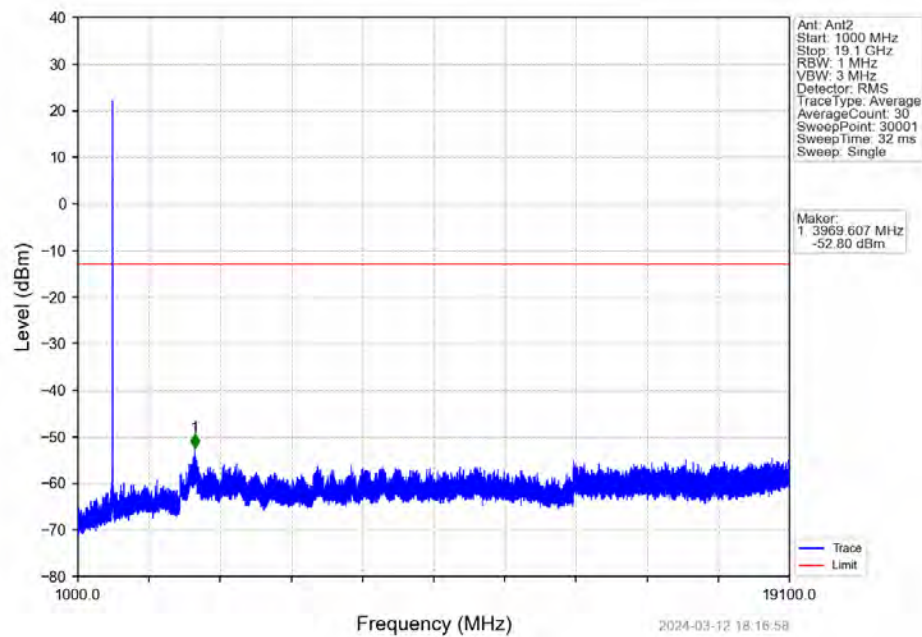
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1880MHz Edge 1RB Left



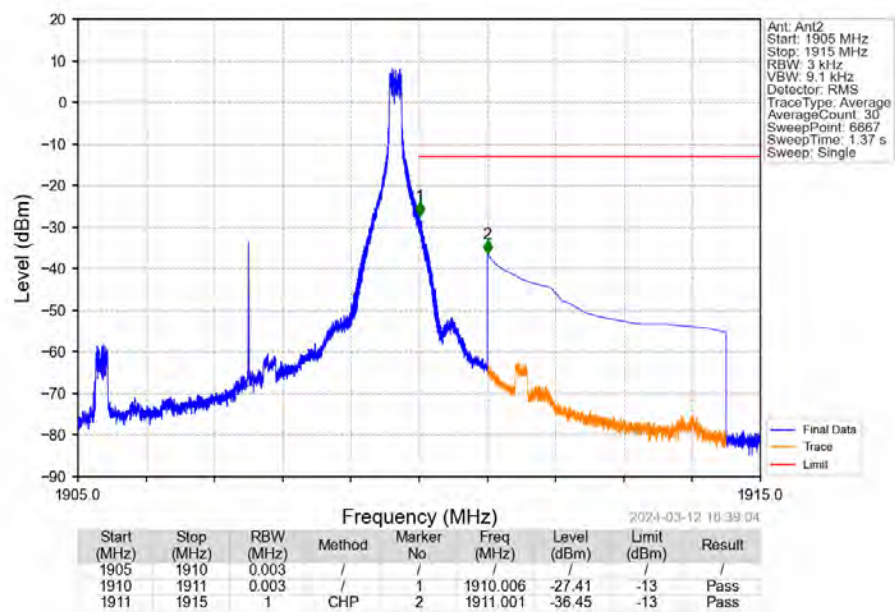
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1880MHz Edge 1RB Left



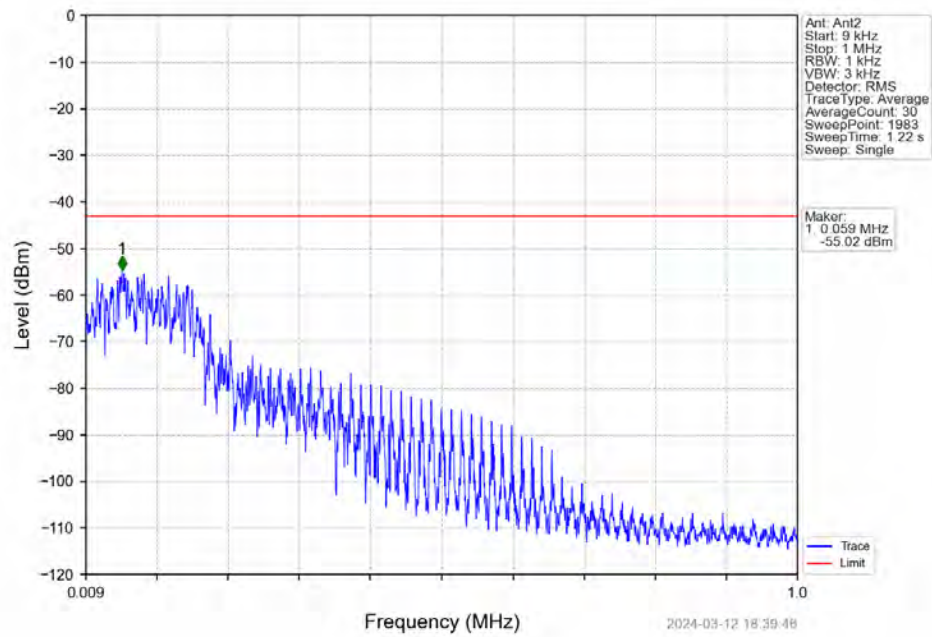
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1880MHz Edge 1RB Left



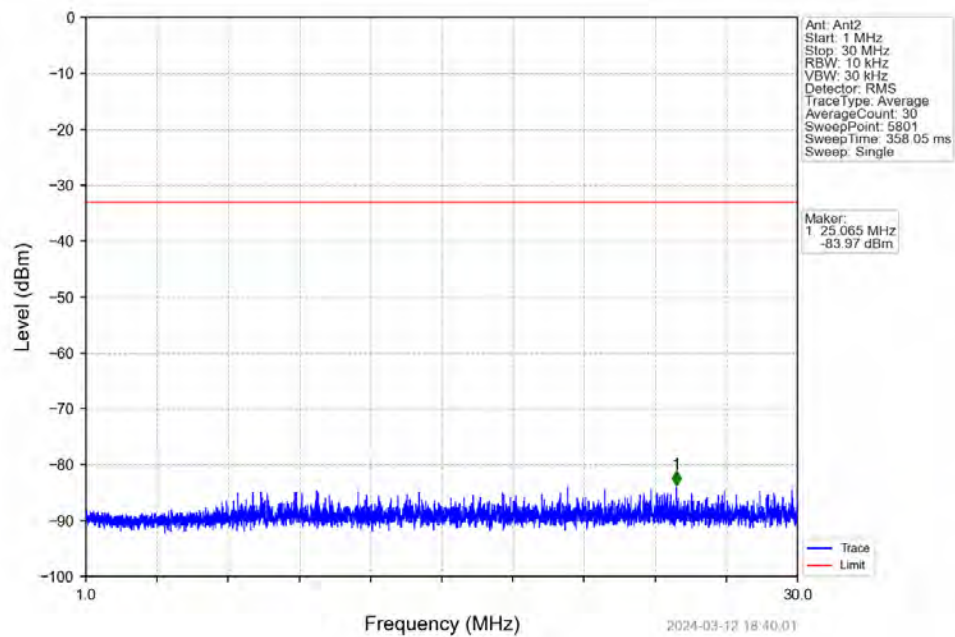
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1907.5MHz Edge 1RB Right



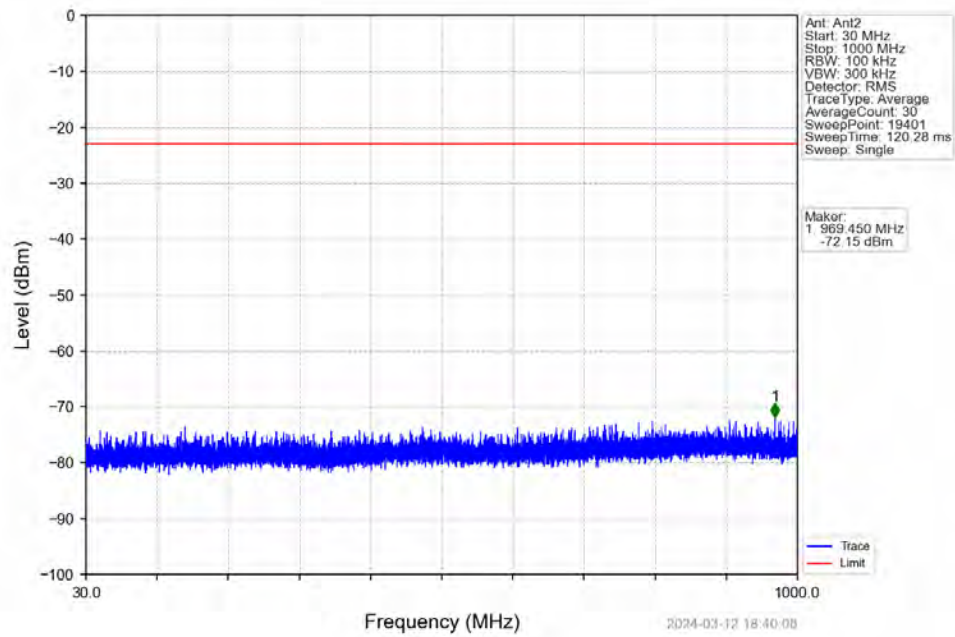
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1907.5MHz Edge 1RB Right



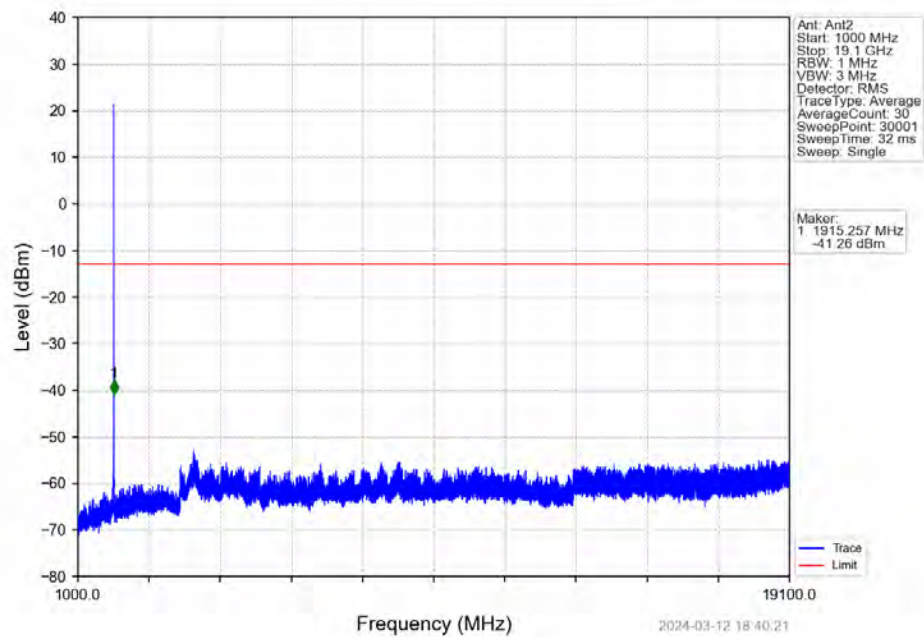
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1907.5MHz Edge 1RB Right



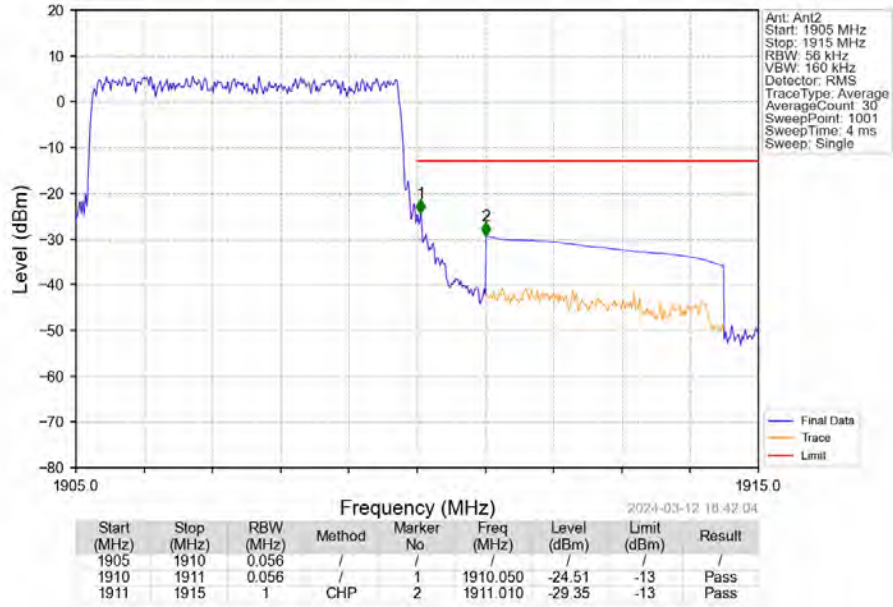
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1907.5MHz Edge 1RB Right



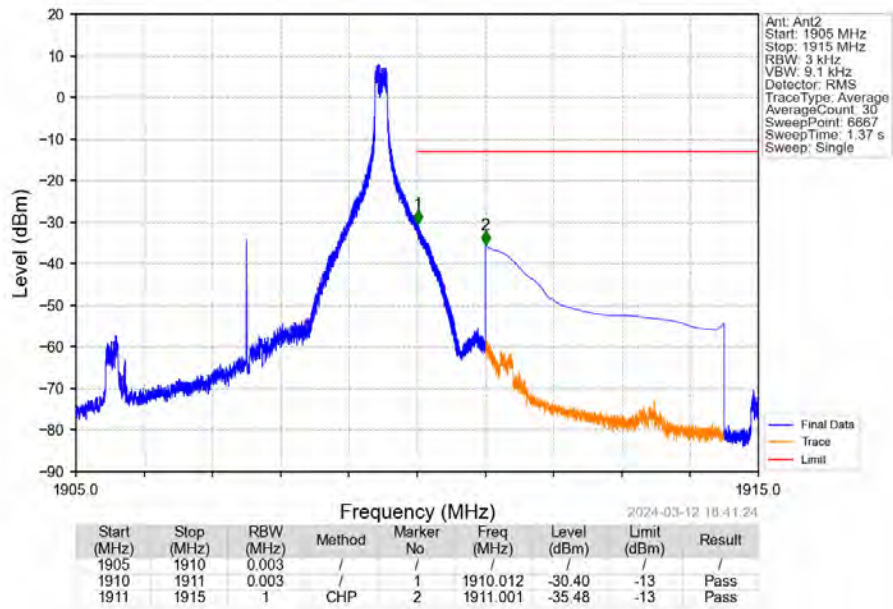
n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1907.5MHz Edge 1RB Right



n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1907.5MHz Outer Full



n2 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1907.5MHz Inner 1RB Right

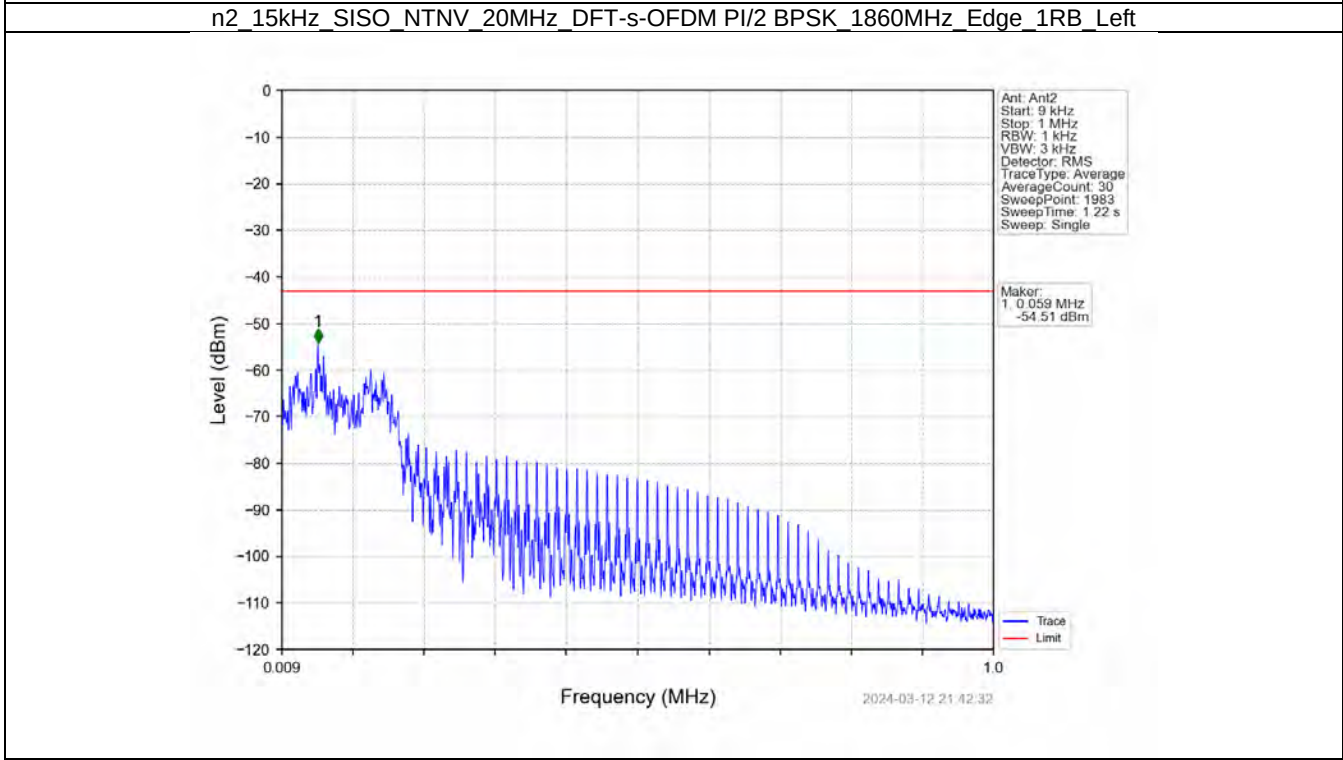
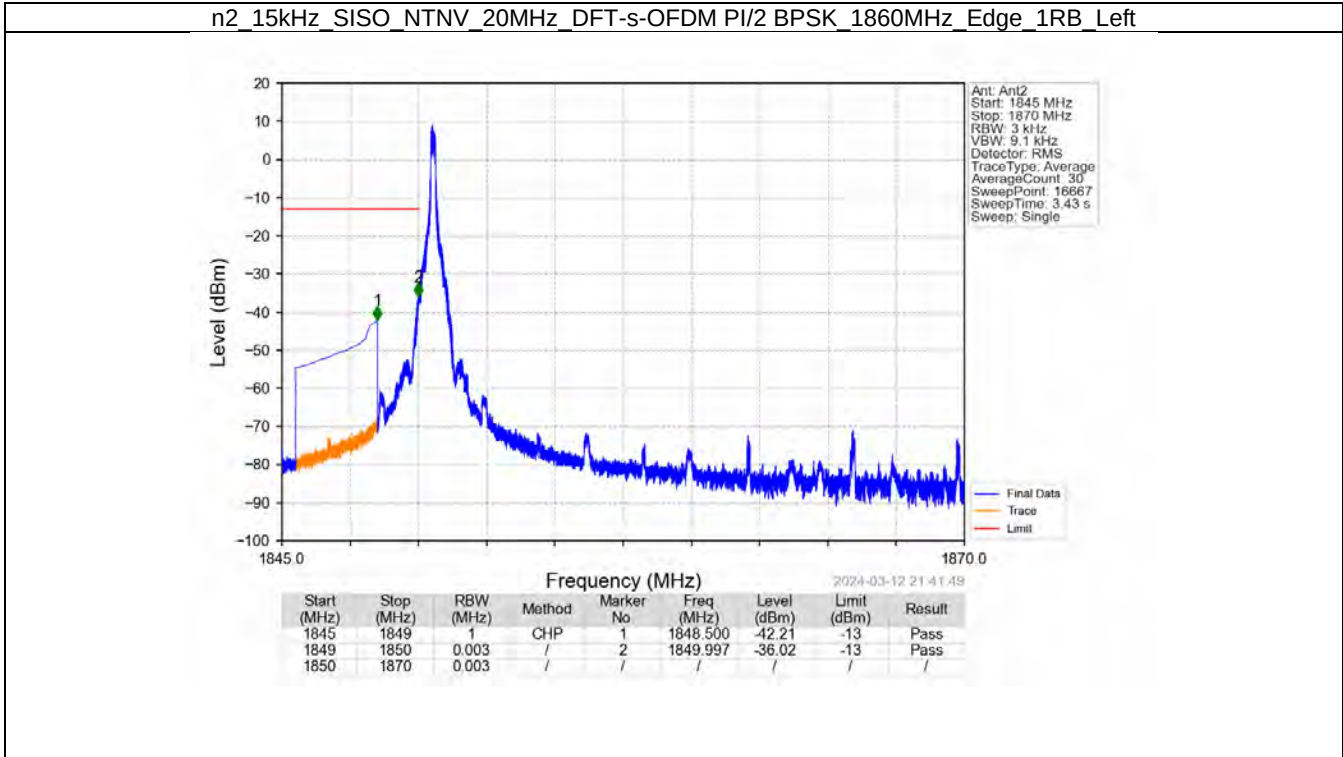


5.2 15k_SISO_20MHz_NTNV

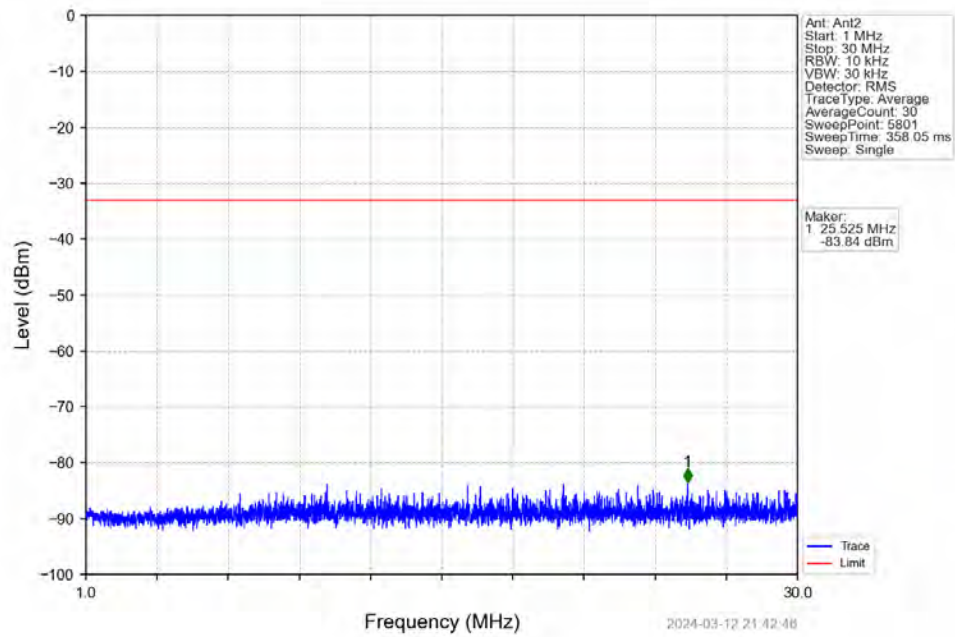
5.2.1 Test Result

5G NR n2 SCS=15kHz SISO 20MHz NTNV								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant2	Ant2*	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	1860	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	1880	Edge_1RB_Left	Refer To Test Graph				Pass	
		1900	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	1860	Edge_1RB_Left	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Left			Refer To Test Graph				Pass	
1880		Edge_1RB_Left	Refer To Test Graph				Pass	
		1900	Edge_1RB_Right	Refer To Test Graph				Pass
Outer_Full			Refer To Test Graph				Pass	
Inner_1RB_Right			Refer To Test Graph				Pass	

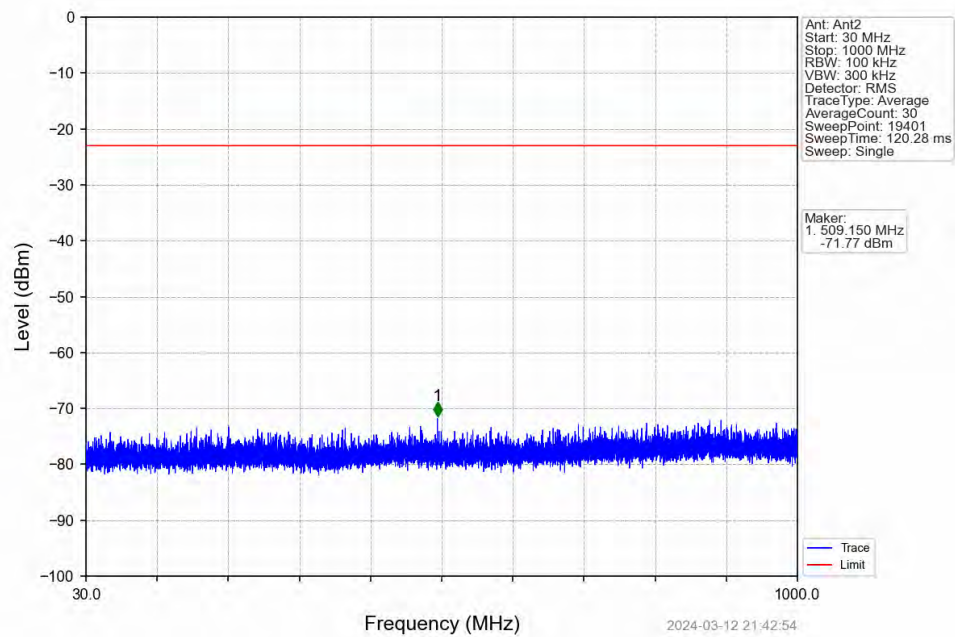
5.2.2 Test Graph



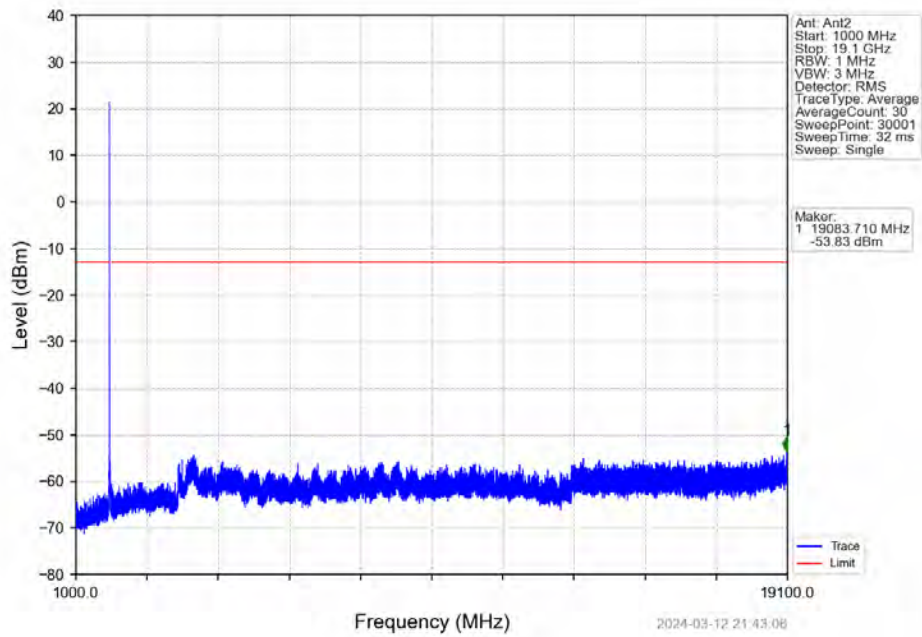
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1860MHz Edge 1RB Left



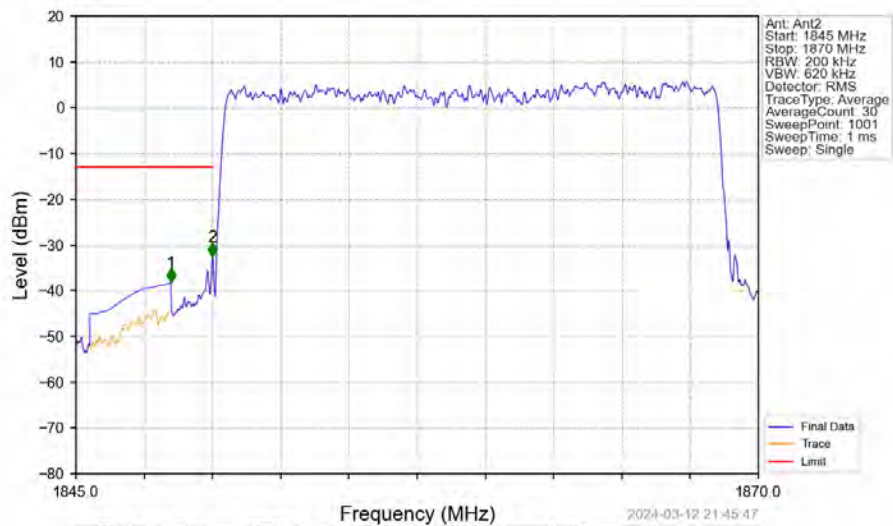
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1860MHz Edge 1RB Left



n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1860MHz Edge 1RB Left

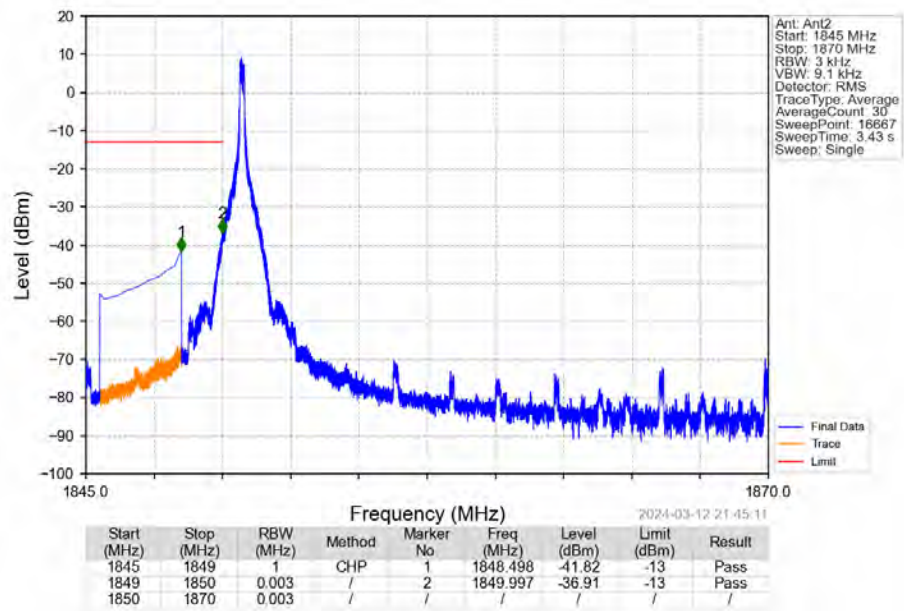


n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1860MHz Outer Full

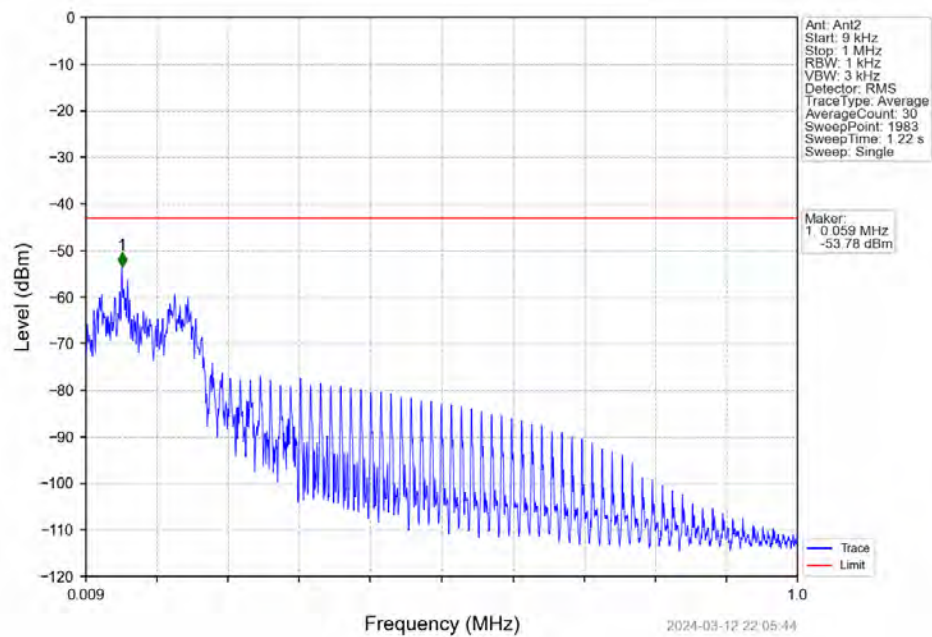


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.475	-38.15	-13	Pass
1849	1850	0.2	/	2	1850.000	-32.63	-13	Pass
1850	1870	0.2	/	/	/	/	/	/

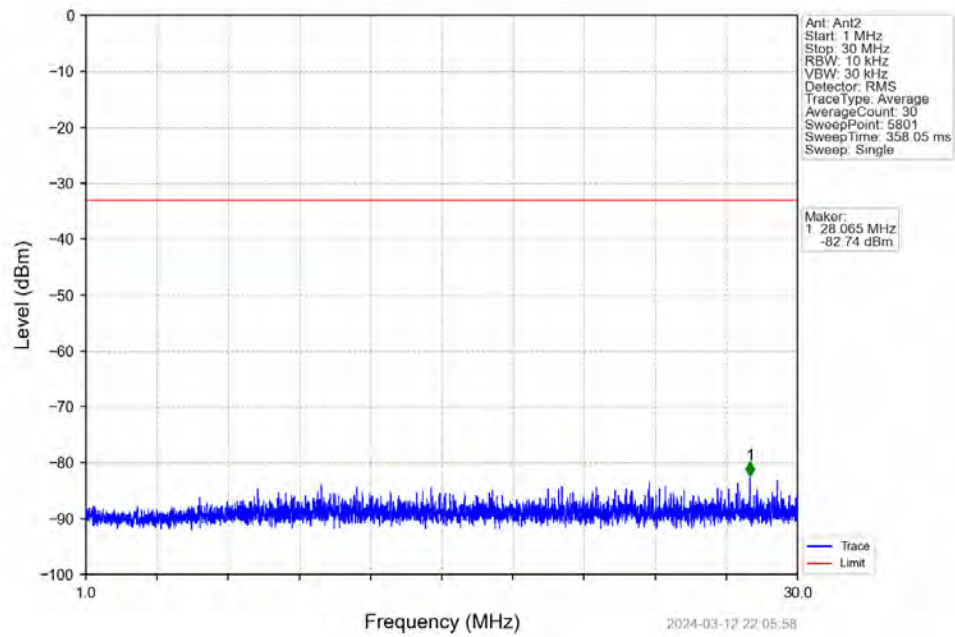
n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_1860MHz_Inner_1RB_Left



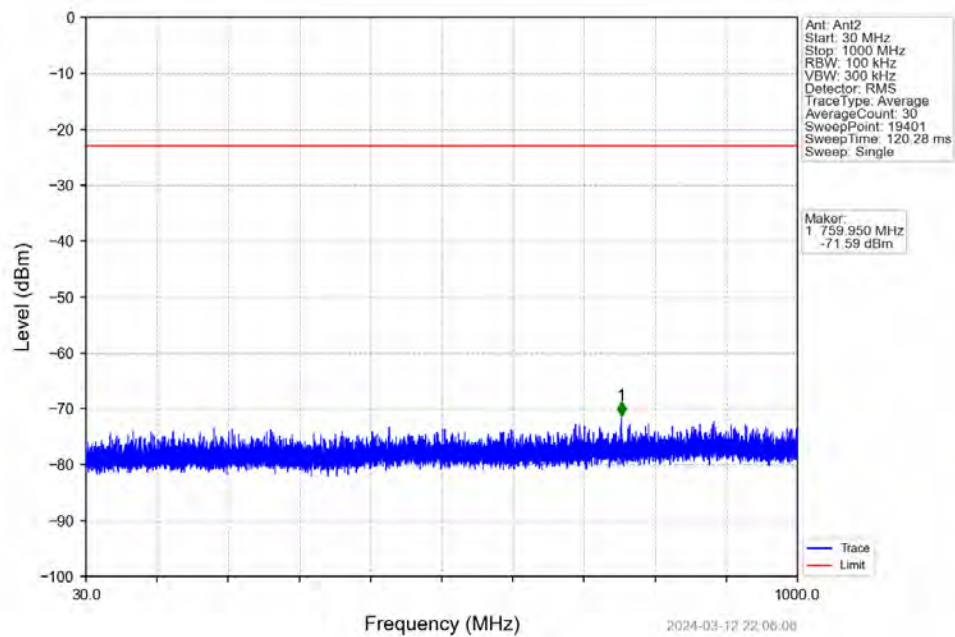
n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_1880MHz_Edge_1RB_Left



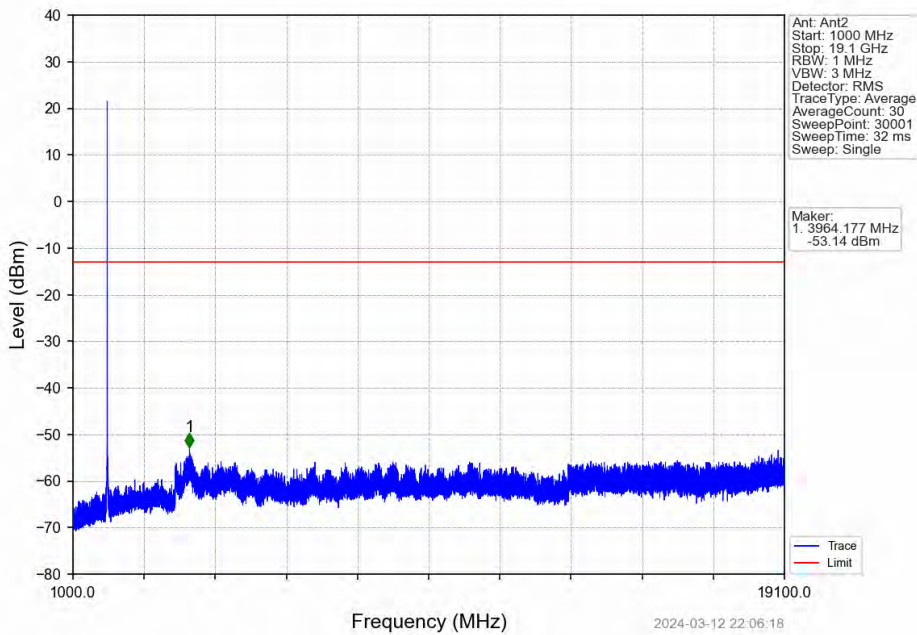
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1880MHz Edge 1RB Left



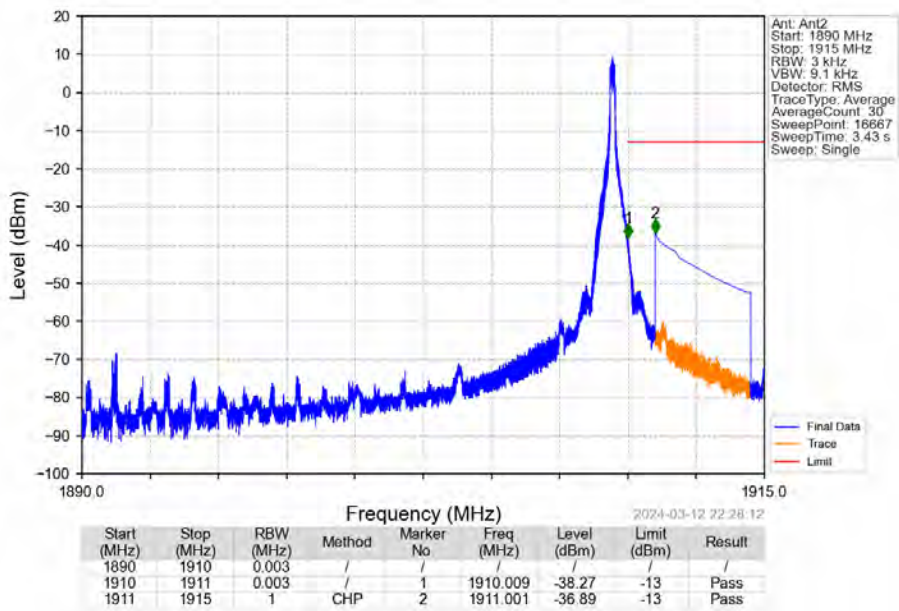
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1880MHz Edge 1RB Left



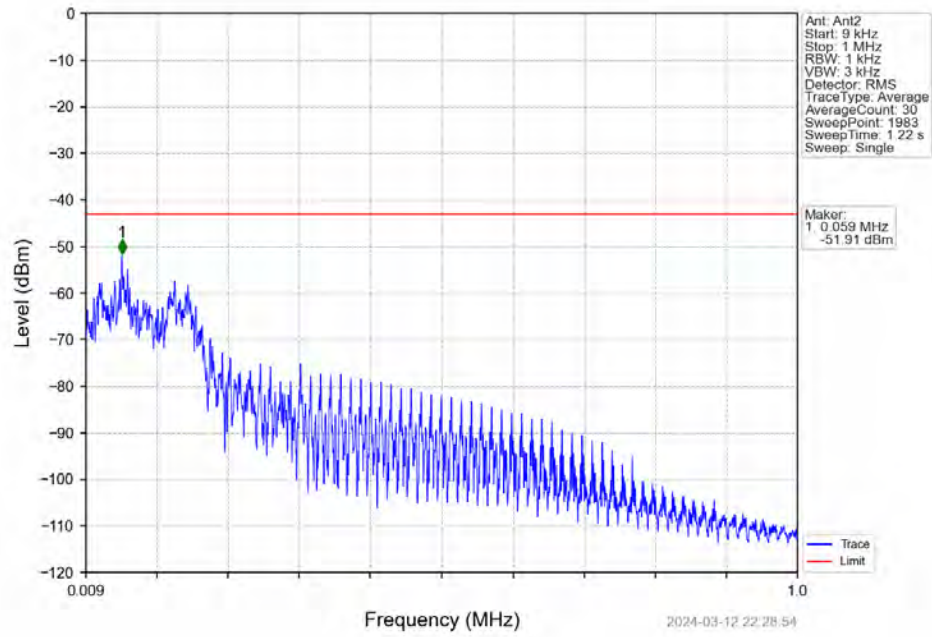
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1880MHz Edge 1RB Left



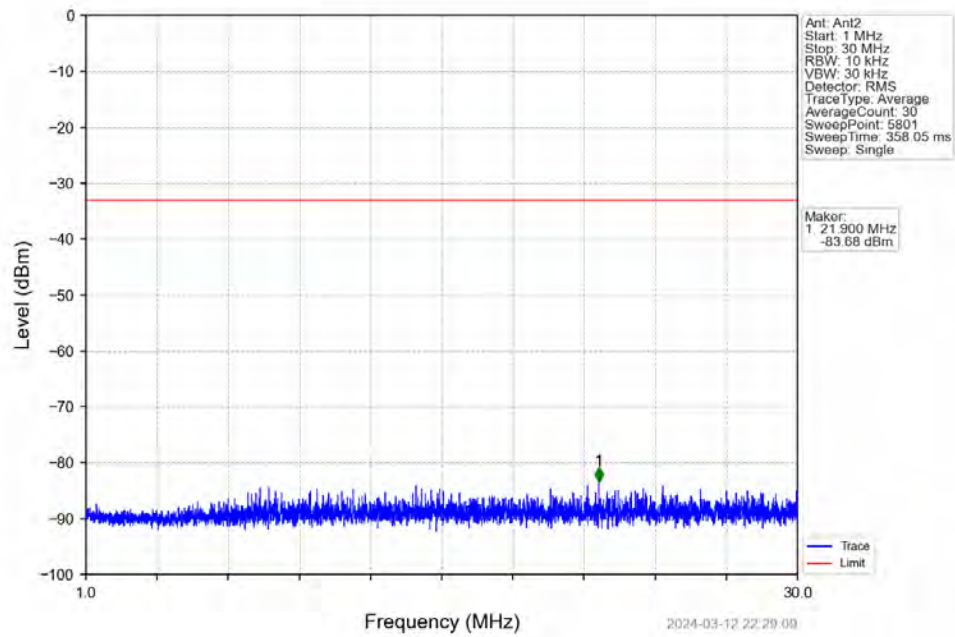
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Edge 1RB Right



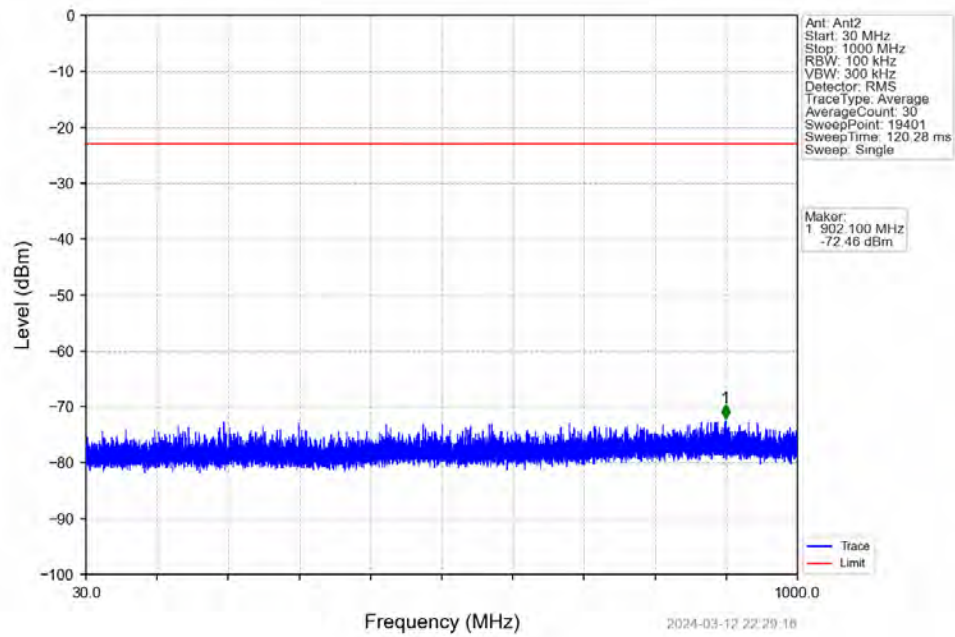
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Edge 1RB Right



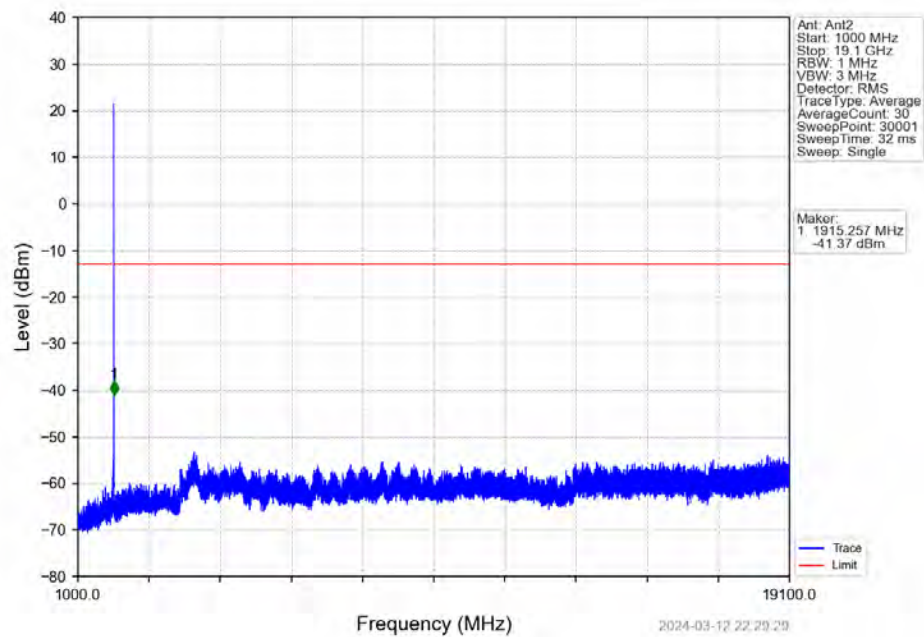
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Edge 1RB Right



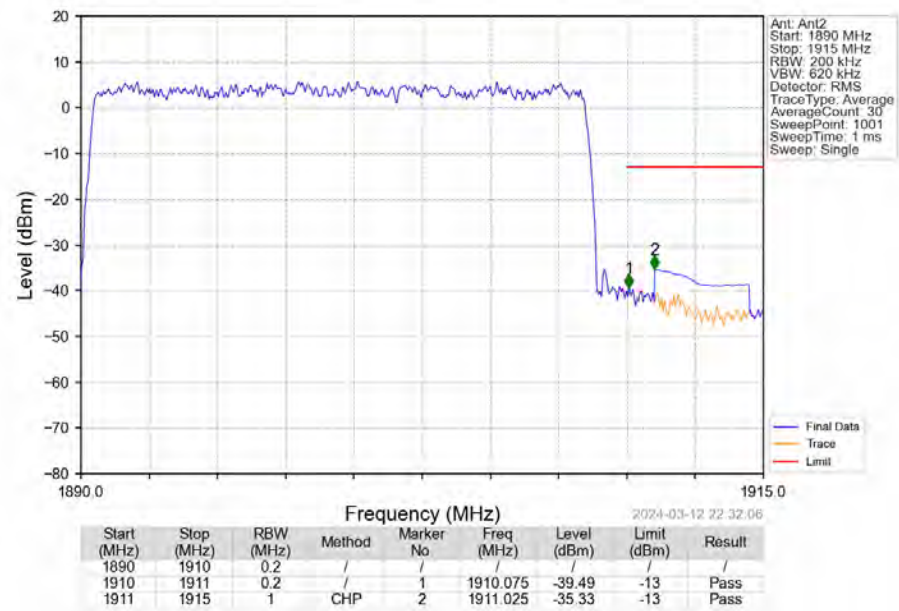
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Edge 1RB Right



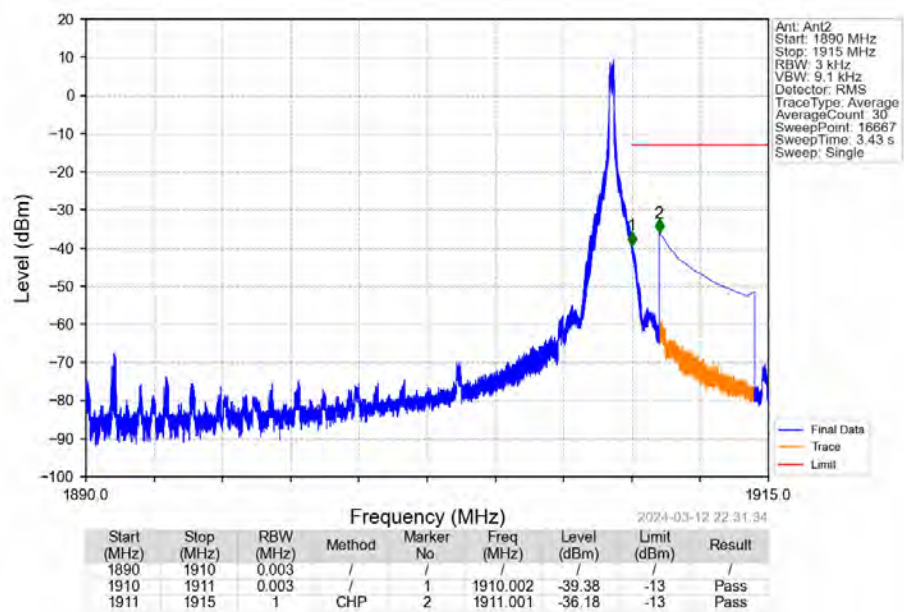
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Edge 1RB Right



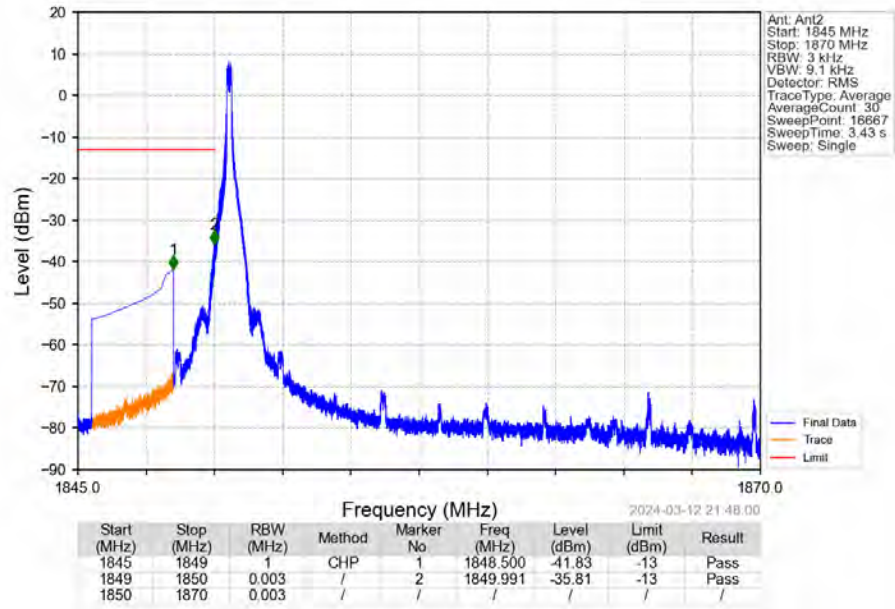
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Outer Full



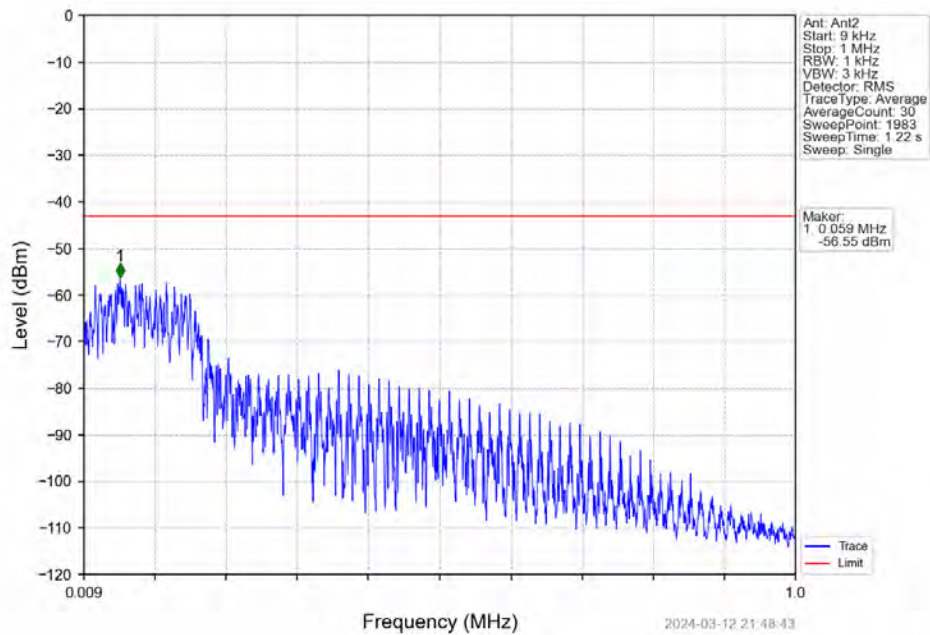
n2 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 1900MHz Inner 1RB Right



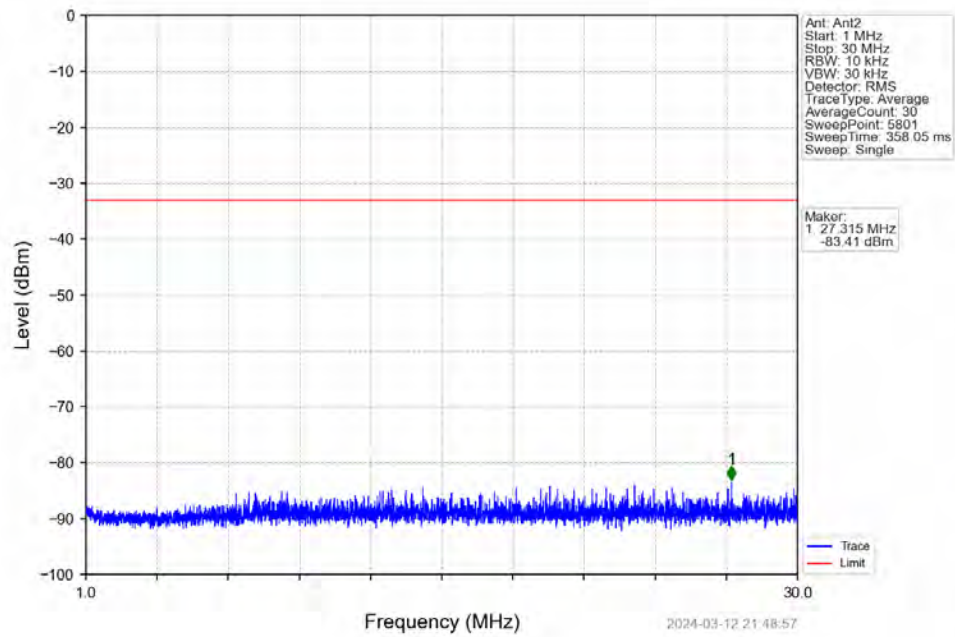
n2 15kHz SISO NTNV 20MHz DFT-s-OFDM QPSK 1860MHz Edge 1RB Left



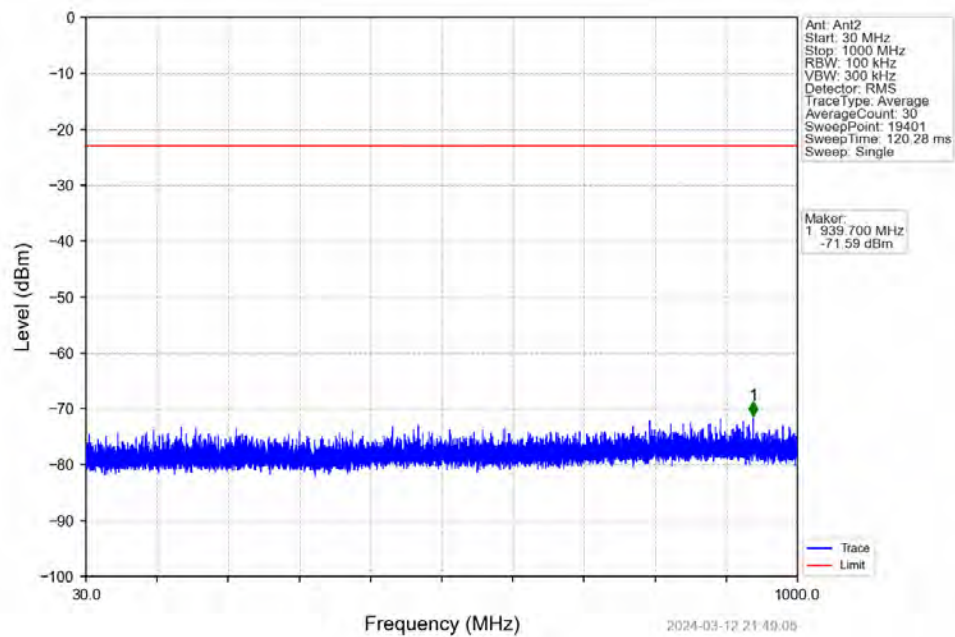
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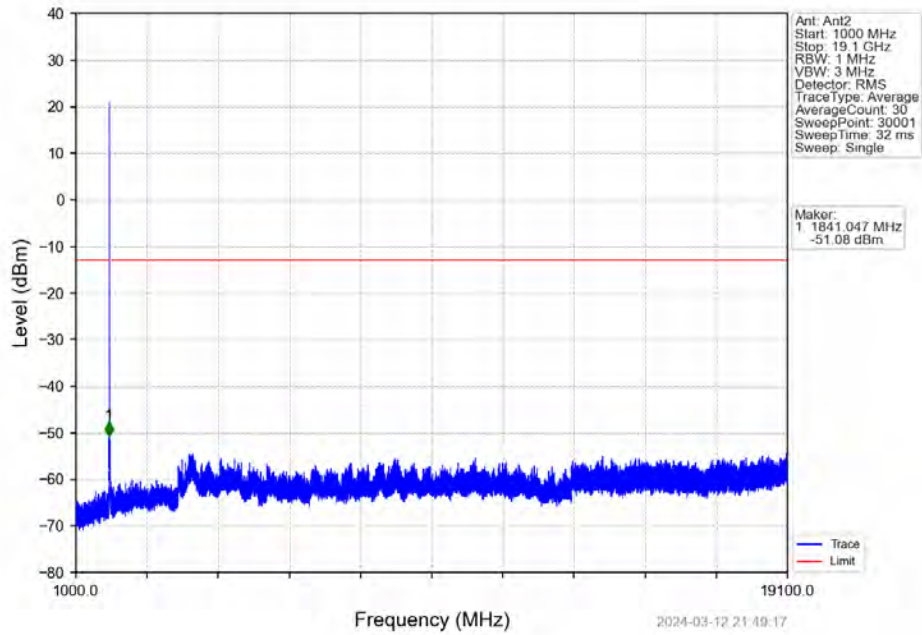
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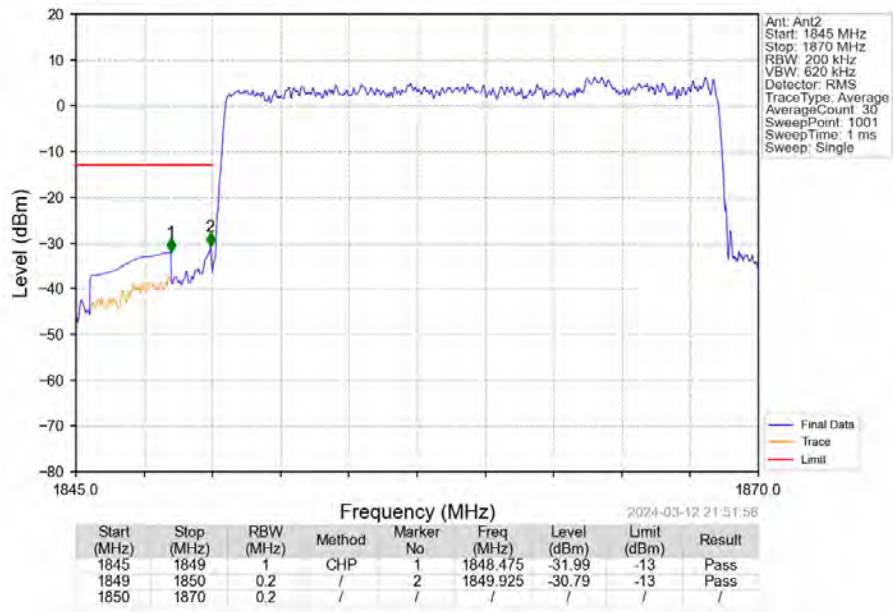
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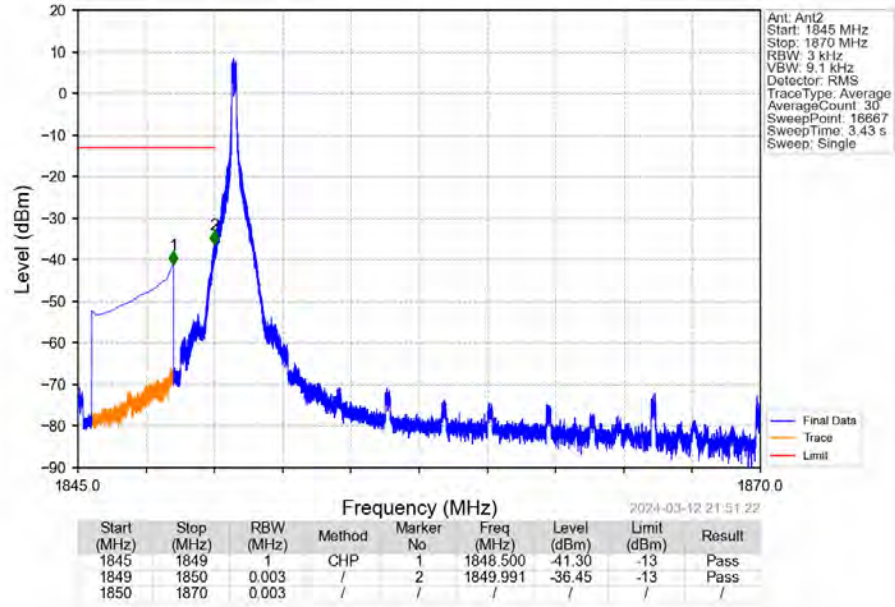
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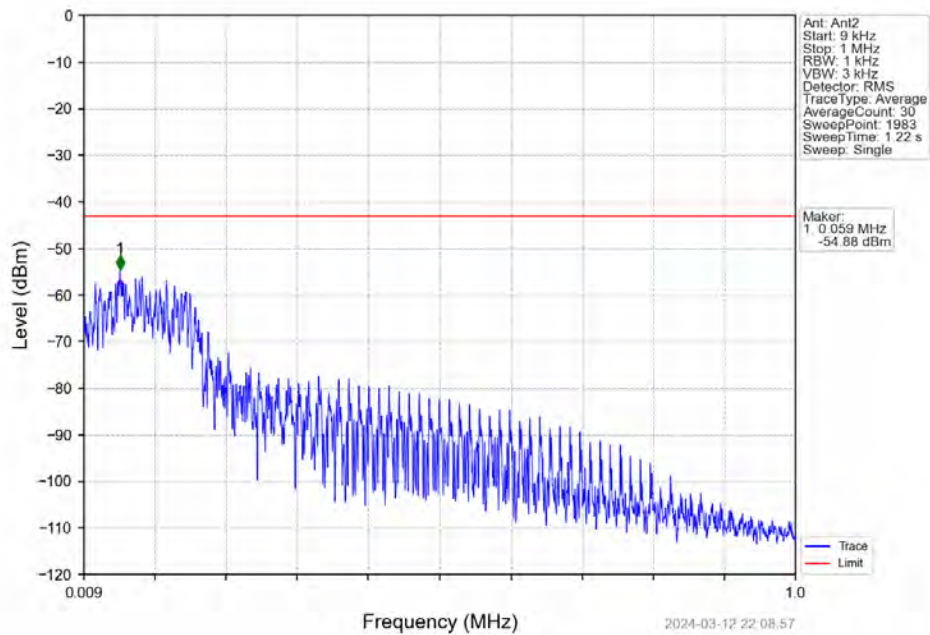
n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1860MHz Outer Full



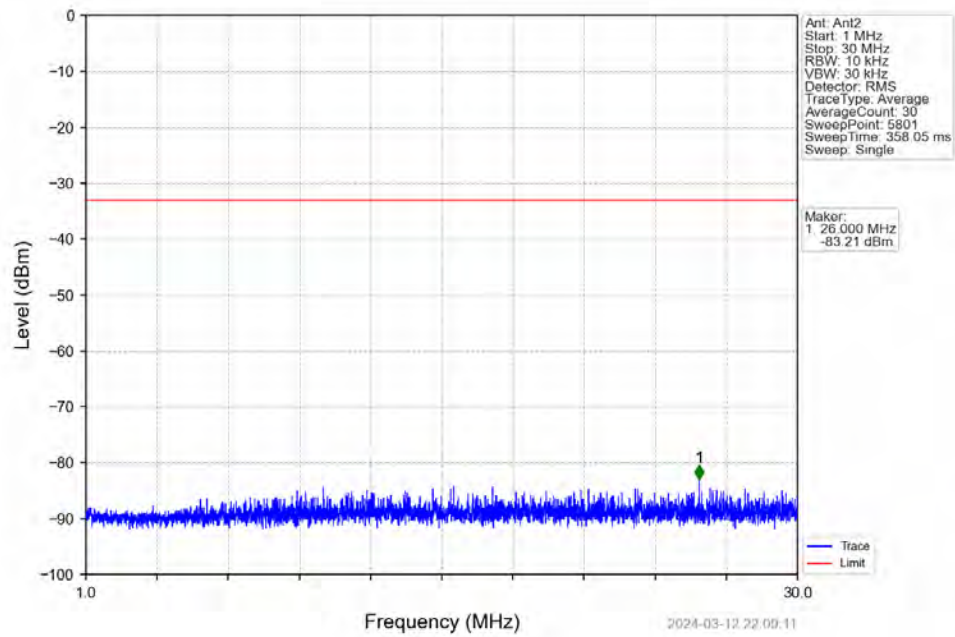
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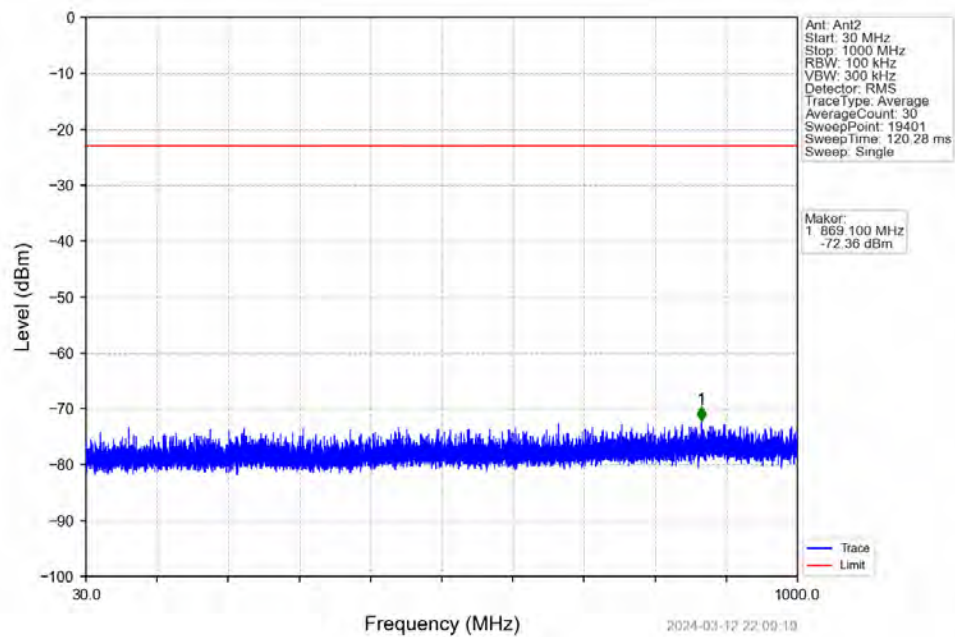
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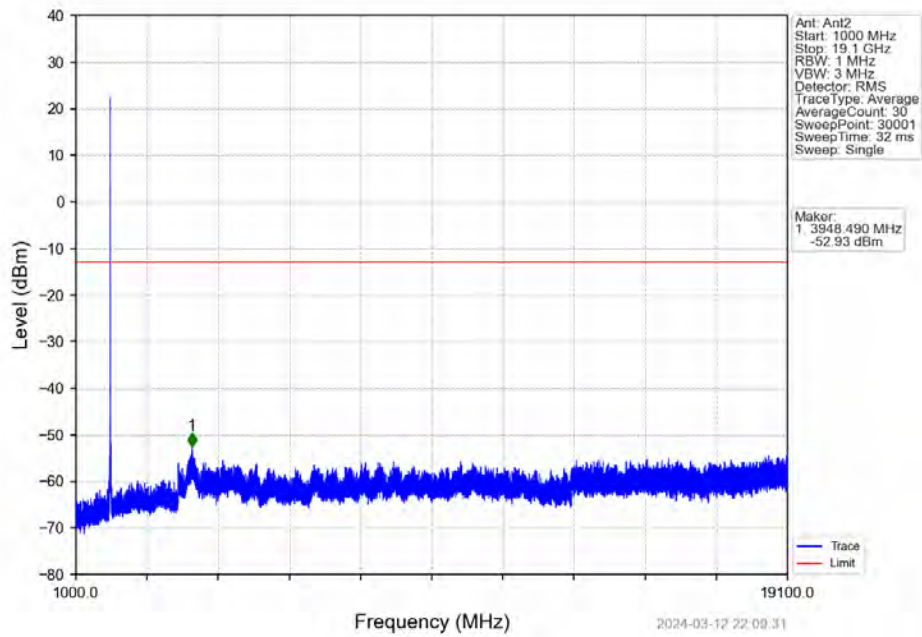
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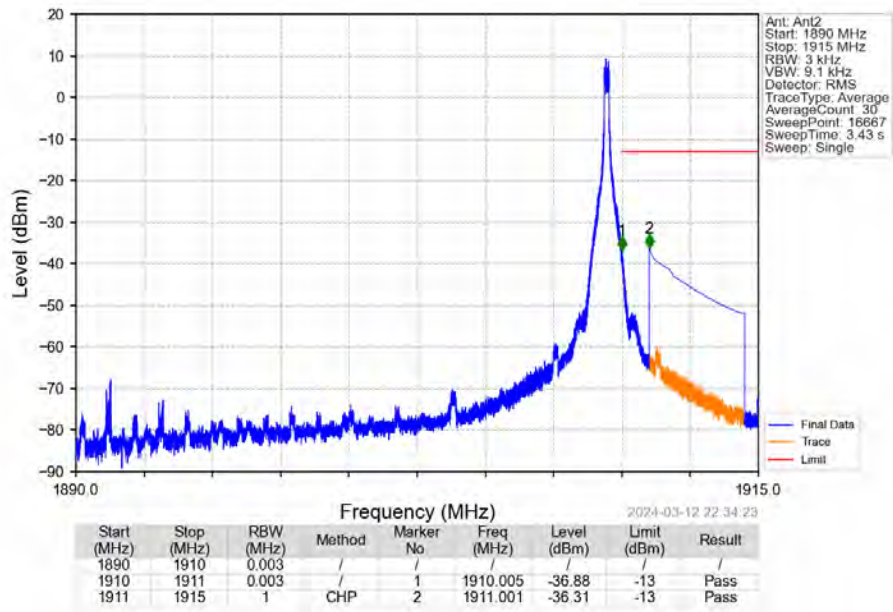
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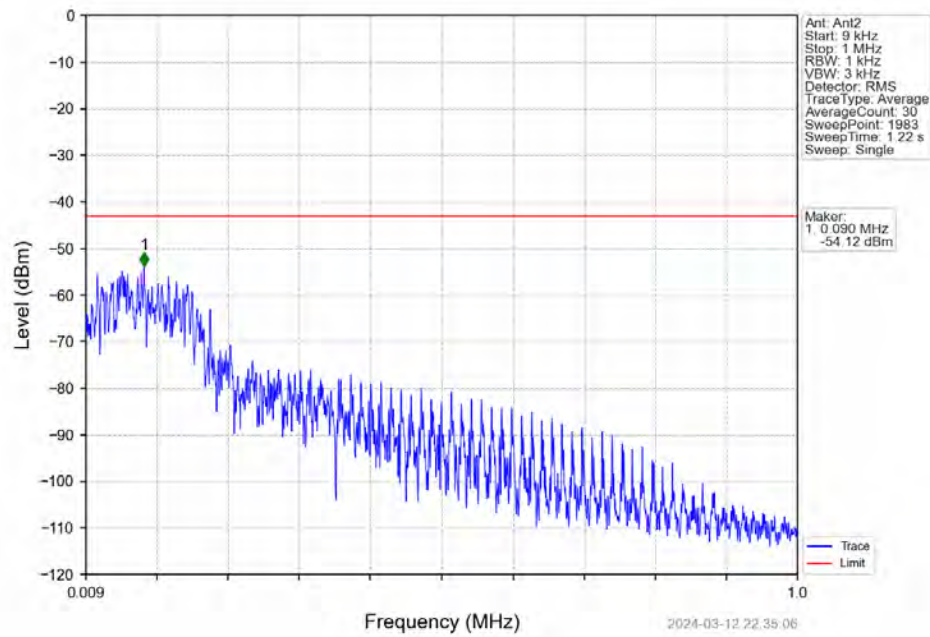
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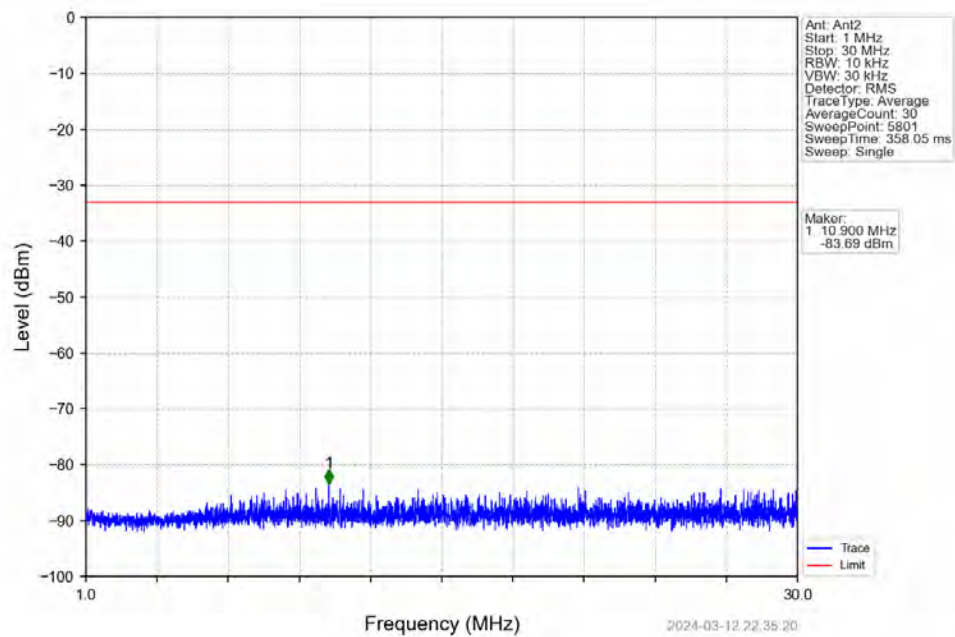
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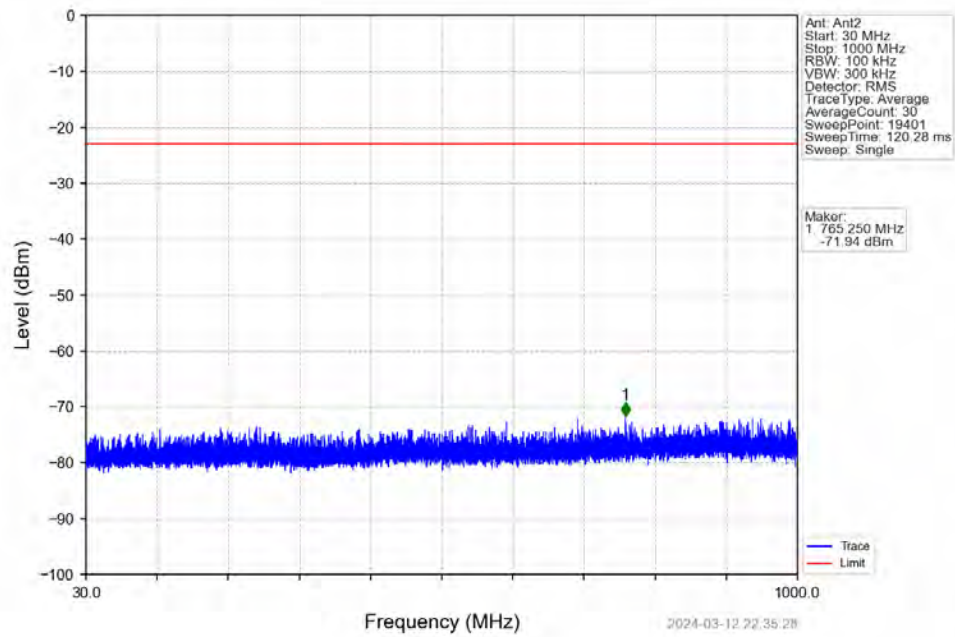
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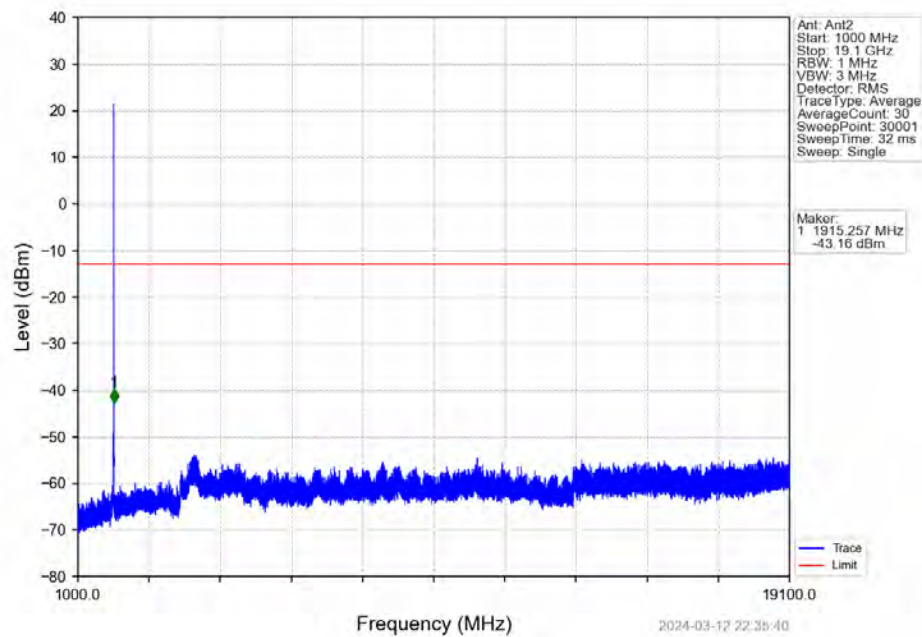
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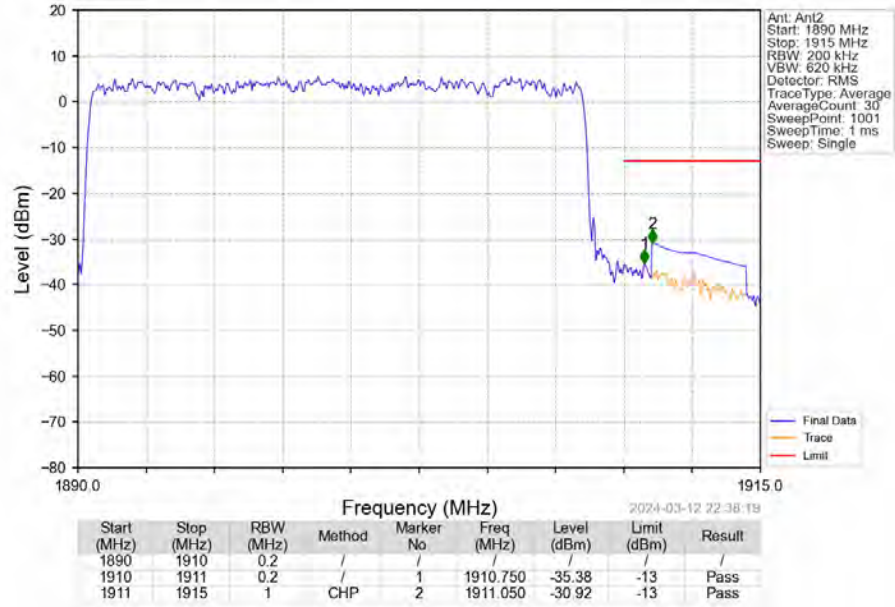
n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1900MHz Edge 1RB Right



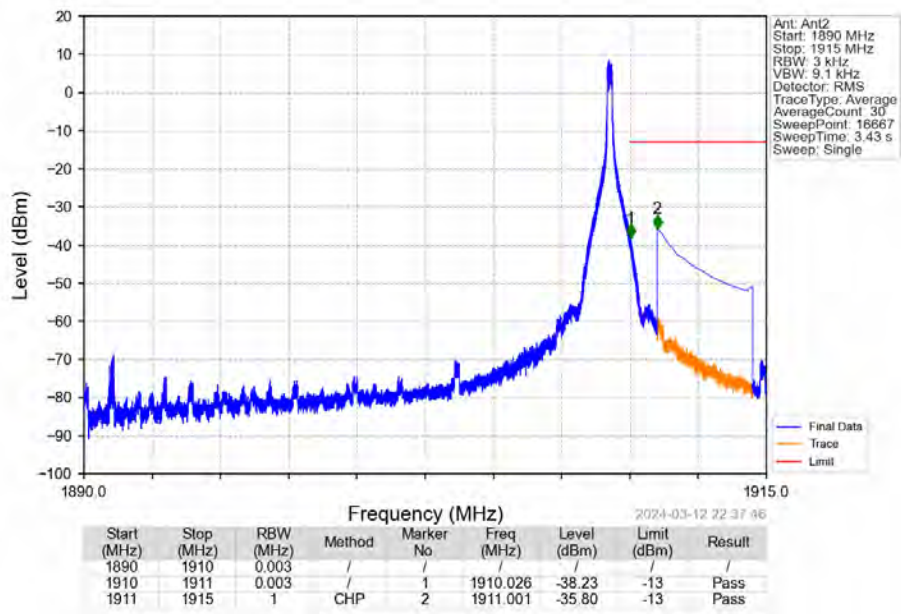
n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1900MHz Edge 1RB Right



n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1900MHz Outer Full



n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1900MHz Inner 1RB Right



6. Field Strength of Spurious Radiation

SA Band 2-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
3702.0	-64.43	-13	-51.43	-69.29	3.58	8.44	Horizontal	Pass
5553.0	-51.64	-13	-38.64	-57.35	4.74	10.45	Horizontal	Pass
7404.0	-60.21	-13	-47.21	-66.89	4.94	11.62	Horizontal	Pass
3702.0	-65.48	-13	-52.48	-70.34	3.58	8.44	Vertical	Pass
5553.0	-52.96	-13	-39.96	-58.67	4.74	10.45	Vertical	Pass
7404.0	-57.75	-13	-44.75	-64.43	4.94	11.62	Vertical	Pass

SA Band 2-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
3742.0	-65.07	-13	-52.07	-69.95	3.61	8.49	Horizontal	Pass
5613.0	-53.85	-13	-40.85	-59.56	4.74	10.45	Horizontal	Pass
7484.0	-60.32	-13	-47.32	-67.1	4.94	11.72	Horizontal	Pass
3742.0	-65.7	-13	-52.7	-70.58	3.61	8.49	Vertical	Pass
5613.0	-55.6	-13	-42.6	-61.31	4.74	10.45	Vertical	Pass
7484.0	-60.39	-13	-47.39	-67.17	4.94	11.72	Vertical	Pass

SA Band 2-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
3782.0	-66.36	-13	-53.36	-71.26	3.65	8.55	Horizontal	Pass
5673.0	-62.33	-13	-49.33	-68.03	4.75	10.45	Horizontal	Pass
7564.0	-60.73	-13	-47.73	-67.6	4.95	11.82	Horizontal	Pass
3782.0	-66.41	-13	-53.41	-71.31	3.65	8.55	Vertical	Pass
5673.0	-62.1	-13	-49.1	-67.8	4.75	10.45	Vertical	Pass
7564.0	-60.56	-13	-47.56	-67.43	4.95	11.82	Vertical	Pass

NSA DC_13A_n2A-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
3702.0	-65.33	-13	-52.33	-70.19	3.58	8.44	Horizontal	Pass
5553.0	-48.38	-13	-35.38	-54.09	4.74	10.45	Horizontal	Pass
7404.0	-60.43	-13	-47.43	-67.11	4.94	11.62	Horizontal	Pass
3702.0	-62.74	-13	-49.74	-67.6	3.58	8.44	Vertical	Pass
5553.0	-57.4	-13	-44.4	-63.11	4.74	10.45	Vertical	Pass
7404.0	-60.66	-13	-47.66	-67.34	4.94	11.62	Vertical	Pass

NSA DC_13A_n2A-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
3742.0	-67.04	-13	-54.04	-71.92	3.61	8.49	Horizontal	Pass
5613.0	-62.99	-13	-49.99	-68.7	4.74	10.45	Horizontal	Pass
7484.0	-61.23	-13	-48.23	-68.01	4.94	11.72	Horizontal	Pass
3742.0	-66.91	-13	-53.91	-71.79	3.61	8.49	Vertical	Pass
5613.0	-62.43	-13	-49.43	-68.14	4.74	10.45	Vertical	Pass
7484.0	-60.95	-13	-47.95	-67.73	4.94	11.72	Vertical	Pass

NSA DC_13A_n2A-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
3782.0	-66.59	-13	-53.59	-71.49	3.65	8.55	Horizontal	Pass
5673.0	-63.04	-13	-50.04	-68.74	4.75	10.45	Horizontal	Pass
7564.0	-61.03	-13	-48.03	-67.9	4.95	11.82	Horizontal	Pass
3782.0	-66.77	-13	-53.77	-71.67	3.65	8.55	Vertical	Pass
5673.0	-62.49	-13	-49.49	-68.19	4.75	10.45	Vertical	Pass
7564.0	-60.66	-13	-47.66	-67.53	4.95	11.82	Vertical	Pass