

1. Effective (Isotropic) Radiated Power Output Data

1.1 15k_SISO_5MHz_NTNV_EIRP

1.1.1 Test Result

5G NR n7 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	2502.5	Edge_1RB_Left	23.13	/	/	22.63	/	/	<=33	Pass
		Edge_1RB_Right	23.28	/	/	22.78	/	/	<=33	Pass
		Outer_Full	23.18	/	/	22.68	/	/	<=33	Pass
		Inner_Full	23.15	/	/	22.65	/	/	<=33	Pass
		Inner_1RB_Left	23.20	/	/	22.70	/	/	<=33	Pass
		Inner_1RB_Right	23.28	/	/	22.78	/	/	<=33	Pass
	2535	Edge_1RB_Left	23.51	/	/	23.01	/	/	<=33	Pass
		Edge_1RB_Right	23.58	/	/	23.08	/	/	<=33	Pass
		Outer_Full	23.51	/	/	23.01	/	/	<=33	Pass
		Inner_Full	23.46	/	/	22.96	/	/	<=33	Pass
		Inner_1RB_Left	23.46	/	/	22.96	/	/	<=33	Pass
		Inner_1RB_Right	23.67	/	/	23.17	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	23.67	/	/	23.17	/	/	<=33	Pass
		Edge_1RB_Right	23.67	/	/	23.17	/	/	<=33	Pass
		Outer_Full	23.80	/	/	23.30	/	/	<=33	Pass
		Inner_Full	23.75	/	/	23.25	/	/	<=33	Pass
		Inner_1RB_Left	23.75	/	/	23.25	/	/	<=33	Pass
		Inner_1RB_Right	23.81	/	/	23.31	/	/	<=33	Pass
DFT-s-OFDM QPSK	2502.5	Edge_1RB_Left	23.12	/	/	22.62	/	/	<=33	Pass
		Edge_1RB_Right	23.30	/	/	22.80	/	/	<=33	Pass
		Outer_Full	23.20	/	/	22.70	/	/	<=33	Pass
		Inner_Full	23.18	/	/	22.68	/	/	<=33	Pass
		Inner_1RB_Left	23.18	/	/	22.68	/	/	<=33	Pass
		Inner_1RB_Right	23.29	/	/	22.79	/	/	<=33	Pass
	2535	Edge_1RB_Left	23.56	/	/	23.06	/	/	<=33	Pass
		Edge_1RB_Right	23.60	/	/	23.10	/	/	<=33	Pass
		Outer_Full	23.51	/	/	23.01	/	/	<=33	Pass
		Inner_Full	23.47	/	/	22.97	/	/	<=33	Pass
		Inner_1RB_Left	23.53	/	/	23.03	/	/	<=33	Pass
		Inner_1RB_Right	23.67	/	/	23.17	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	23.69	/	/	23.19	/	/	<=33	Pass
		Edge_1RB_Right	23.75	/	/	23.25	/	/	<=33	Pass
		Outer_Full	23.79	/	/	23.29	/	/	<=33	Pass
		Inner_Full	23.68	/	/	23.18	/	/	<=33	Pass
		Inner_1RB_Left	23.74	/	/	23.24	/	/	<=33	Pass
		Inner_1RB_Right	23.75	/	/	23.25	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2502.5	Edge_1RB_Left	22.09	/	/	21.59	/	/	<=33	Pass
		Edge_1RB_Right	22.22	/	/	21.72	/	/	<=33	Pass
		Outer_Full	22.24	/	/	21.74	/	/	<=33	Pass
		Inner_Full	23.34	/	/	22.84	/	/	<=33	Pass
		Inner_1RB_Left	23.12	/	/	22.62	/	/	<=33	Pass
		Inner_1RB_Right	23.27	/	/	22.77	/	/	<=33	Pass
	2535	Edge_1RB_Left	22.37	/	/	21.87	/	/	<=33	Pass
		Edge_1RB_Right	22.56	/	/	22.06	/	/	<=33	Pass
		Outer_Full	22.56	/	/	22.06	/	/	<=33	Pass
		Inner_Full	23.64	/	/	23.14	/	/	<=33	Pass
		Inner_1RB_Left	23.49	/	/	22.99	/	/	<=33	Pass
		Inner_1RB_Right	23.50	/	/	23.00	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	22.77	/	/	22.27	/	/	<=33	Pass

		Edge_1RB_Right	22.69	/	/	22.19	/	/	<=33	Pass
		Outer_Full	22.77	/	/	22.27	/	/	<=33	Pass
		Inner_Full	23.92	/	/	23.42	/	/	<=33	Pass
		Inner_1RB_Left	23.65	/	/	23.15	/	/	<=33	Pass
		Inner_1RB_Right	23.72	/	/	23.22	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2502.5	Edge_1RB_Left	21.75	/	/	21.25	/	/	<=33	Pass
		Edge_1RB_Right	21.86	/	/	21.36	/	/	<=33	Pass
		Outer_Full	21.64	/	/	21.14	/	/	<=33	Pass
		Inner_Full	21.76	/	/	21.26	/	/	<=33	Pass
		Inner_1RB_Left	21.79	/	/	21.29	/	/	<=33	Pass
		Inner_1RB_Right	21.97	/	/	21.47	/	/	<=33	Pass
	2535	Edge_1RB_Left	22.05	/	/	21.55	/	/	<=33	Pass
		Edge_1RB_Right	22.11	/	/	21.61	/	/	<=33	Pass
		Outer_Full	22.07	/	/	21.57	/	/	<=33	Pass
		Inner_Full	22.11	/	/	21.61	/	/	<=33	Pass
		Inner_1RB_Left	22.06	/	/	21.56	/	/	<=33	Pass
		Inner_1RB_Right	22.21	/	/	21.71	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	22.47	/	/	21.97	/	/	<=33	Pass
		Edge_1RB_Right	22.46	/	/	21.96	/	/	<=33	Pass
		Outer_Full	22.31	/	/	21.81	/	/	<=33	Pass
		Inner_Full	22.35	/	/	21.85	/	/	<=33	Pass
		Inner_1RB_Left	22.45	/	/	21.95	/	/	<=33	Pass
		Inner_1RB_Right	22.44	/	/	21.94	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2502.5	Edge_1RB_Left	19.12	/	/	18.62	/	/	<=33	Pass
		Edge_1RB_Right	19.30	/	/	18.80	/	/	<=33	Pass
		Outer_Full	19.59	/	/	19.09	/	/	<=33	Pass
		Inner_Full	19.69	/	/	19.19	/	/	<=33	Pass
		Inner_1RB_Left	19.18	/	/	18.68	/	/	<=33	Pass
		Inner_1RB_Right	19.24	/	/	18.74	/	/	<=33	Pass
	2535	Edge_1RB_Left	19.41	/	/	18.91	/	/	<=33	Pass
		Edge_1RB_Right	19.55	/	/	19.05	/	/	<=33	Pass
		Outer_Full	19.93	/	/	19.43	/	/	<=33	Pass
		Inner_Full	19.99	/	/	19.49	/	/	<=33	Pass
		Inner_1RB_Left	19.37	/	/	18.87	/	/	<=33	Pass
		Inner_1RB_Right	19.60	/	/	19.10	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	19.65	/	/	19.15	/	/	<=33	Pass
		Edge_1RB_Right	19.74	/	/	19.24	/	/	<=33	Pass
		Outer_Full	20.19	/	/	19.69	/	/	<=33	Pass
		Inner_Full	20.22	/	/	19.72	/	/	<=33	Pass
		Inner_1RB_Left	19.74	/	/	19.24	/	/	<=33	Pass
		Inner_1RB_Right	19.80	/	/	19.30	/	/	<=33	Pass
CP-OFDM QPSK	2502.5	Edge_1RB_Left	21.06	/	/	20.56	/	/	<=33	Pass
		Edge_1RB_Right	21.19	/	/	20.69	/	/	<=33	Pass
		Outer_Full	21.17	/	/	20.67	/	/	<=33	Pass
		Inner_Full	22.86	/	/	22.36	/	/	<=33	Pass
		Inner_1RB_Left	22.70	/	/	22.20	/	/	<=33	Pass
		Inner_1RB_Right	22.67	/	/	22.17	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.34	/	/	20.84	/	/	<=33	Pass
		Edge_1RB_Right	21.68	/	/	21.18	/	/	<=33	Pass
		Outer_Full	21.60	/	/	21.10	/	/	<=33	Pass
		Inner_Full	23.05	/	/	22.55	/	/	<=33	Pass
		Inner_1RB_Left	22.89	/	/	22.39	/	/	<=33	Pass
		Inner_1RB_Right	23.12	/	/	22.62	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	21.57	/	/	21.07	/	/	<=33	Pass
		Edge_1RB_Right	21.59	/	/	21.09	/	/	<=33	Pass
		Outer_Full	21.73	/	/	21.23	/	/	<=33	Pass
		Inner_Full	23.42	/	/	22.92	/	/	<=33	Pass
		Inner_1RB_Left	23.24	/	/	22.74	/	/	<=33	Pass
		Inner_1RB_Right	23.19	/	/	22.69	/	/	<=33	Pass

CP-OFDM 16 QAM	2502.5	Edge_1RB_Left	21.18	/	/	20.68	/	/	<=33	Pass
		Edge_1RB_Right	21.31	/	/	20.81	/	/	<=33	Pass
		Outer_Full	21.22	/	/	20.72	/	/	<=33	Pass
		Inner_Full	22.13	/	/	21.63	/	/	<=33	Pass
		Inner_1RB_Left	22.28	/	/	21.78	/	/	<=33	Pass
		Inner_1RB_Right	22.34	/	/	21.84	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.49	/	/	20.99	/	/	<=33	Pass
		Edge_1RB_Right	21.67	/	/	21.17	/	/	<=33	Pass
		Outer_Full	21.56	/	/	21.06	/	/	<=33	Pass
		Inner_Full	22.46	/	/	21.96	/	/	<=33	Pass
		Inner_1RB_Left	22.62	/	/	22.12	/	/	<=33	Pass
		Inner_1RB_Right	22.76	/	/	22.26	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	21.83	/	/	21.33	/	/	<=33	Pass
		Edge_1RB_Right	21.78	/	/	21.28	/	/	<=33	Pass
		Outer_Full	21.78	/	/	21.28	/	/	<=33	Pass
		Inner_Full	22.71	/	/	22.21	/	/	<=33	Pass
		Inner_1RB_Left	22.84	/	/	22.34	/	/	<=33	Pass
		Inner_1RB_Right	22.87	/	/	22.37	/	/	<=33	Pass
CP-OFDM 64 QAM	2502.5	Edge_1RB_Left	20.68	/	/	20.18	/	/	<=33	Pass
		Edge_1RB_Right	20.88	/	/	20.38	/	/	<=33	Pass
		Outer_Full	20.75	/	/	20.25	/	/	<=33	Pass
		Inner_Full	20.73	/	/	20.23	/	/	<=33	Pass
		Inner_1RB_Left	20.68	/	/	20.18	/	/	<=33	Pass
		Inner_1RB_Right	20.84	/	/	20.34	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.07	/	/	20.57	/	/	<=33	Pass
		Edge_1RB_Right	21.16	/	/	20.66	/	/	<=33	Pass
		Outer_Full	21.05	/	/	20.55	/	/	<=33	Pass
		Inner_Full	21.12	/	/	20.62	/	/	<=33	Pass
		Inner_1RB_Left	21.07	/	/	20.57	/	/	<=33	Pass
		Inner_1RB_Right	21.16	/	/	20.66	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	21.25	/	/	20.75	/	/	<=33	Pass
		Edge_1RB_Right	21.29	/	/	20.79	/	/	<=33	Pass
		Outer_Full	21.18	/	/	20.68	/	/	<=33	Pass
		Inner_Full	21.33	/	/	20.83	/	/	<=33	Pass
		Inner_1RB_Left	21.32	/	/	20.82	/	/	<=33	Pass
		Inner_1RB_Right	21.30	/	/	20.80	/	/	<=33	Pass
CP-OFDM 256 QAM	2502.5	Edge_1RB_Left	17.25	/	/	16.75	/	/	<=33	Pass
		Edge_1RB_Right	17.35	/	/	16.85	/	/	<=33	Pass
		Outer_Full	17.68	/	/	17.18	/	/	<=33	Pass
		Inner_Full	17.72	/	/	17.22	/	/	<=33	Pass
		Inner_1RB_Left	17.21	/	/	16.71	/	/	<=33	Pass
		Inner_1RB_Right	17.39	/	/	16.89	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.65	/	/	17.15	/	/	<=33	Pass
		Edge_1RB_Right	17.62	/	/	17.12	/	/	<=33	Pass
		Outer_Full	18.02	/	/	17.52	/	/	<=33	Pass
		Inner_Full	18.14	/	/	17.64	/	/	<=33	Pass
		Inner_1RB_Left	17.47	/	/	16.97	/	/	<=33	Pass
		Inner_1RB_Right	17.68	/	/	17.18	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	17.78	/	/	17.28	/	/	<=33	Pass
		Edge_1RB_Right	17.85	/	/	17.35	/	/	<=33	Pass
		Outer_Full	18.27	/	/	17.77	/	/	<=33	Pass
		Inner_Full	18.31	/	/	17.81	/	/	<=33	Pass
		Inner_1RB_Left	17.78	/	/	17.28	/	/	<=33	Pass
		Inner_1RB_Right	17.82	/	/	17.32	/	/	<=33	Pass
Note1: Antenna Gain: Ant2: -0.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.2 15k_SISO_10MHz_NTNV_EIRP

1.2.1 Test Result

5G NR n7 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	2505	Edge 1RB Left	23.31	/	/	22.81	/	/	<=33	Pass
		Edge 1RB Right	23.41	/	/	22.91	/	/	<=33	Pass
		Outer Full	23.26	/	/	22.76	/	/	<=33	Pass
		Inner Full	23.36	/	/	22.86	/	/	<=33	Pass
		Inner 1RB Left	23.25	/	/	22.75	/	/	<=33	Pass
		Inner 1RB Right	23.33	/	/	22.83	/	/	<=33	Pass
	2535	Edge 1RB Left	23.47	/	/	22.97	/	/	<=33	Pass
		Edge 1RB Right	23.58	/	/	23.08	/	/	<=33	Pass
		Outer Full	23.57	/	/	23.07	/	/	<=33	Pass
		Inner Full	23.54	/	/	23.04	/	/	<=33	Pass
		Inner 1RB Left	23.44	/	/	22.94	/	/	<=33	Pass
		Inner 1RB Right	23.59	/	/	23.09	/	/	<=33	Pass
	2565	Edge 1RB Left	23.71	/	/	23.21	/	/	<=33	Pass
		Edge 1RB Right	23.74	/	/	23.24	/	/	<=33	Pass
		Outer Full	23.85	/	/	23.35	/	/	<=33	Pass
		Inner Full	23.93	/	/	23.43	/	/	<=33	Pass
		Inner 1RB Left	23.81	/	/	23.31	/	/	<=33	Pass
		Inner 1RB Right	23.79	/	/	23.29	/	/	<=33	Pass
DFT-s-OFDM QPSK	2505	Edge 1RB Left	23.13	/	/	22.63	/	/	<=33	Pass
		Edge 1RB Right	23.27	/	/	22.77	/	/	<=33	Pass
		Outer Full	23.37	/	/	22.87	/	/	<=33	Pass
		Inner Full	23.29	/	/	22.79	/	/	<=33	Pass
		Inner 1RB Left	23.21	/	/	22.71	/	/	<=33	Pass
		Inner 1RB Right	23.34	/	/	22.84	/	/	<=33	Pass
	2535	Edge 1RB Left	23.52	/	/	23.02	/	/	<=33	Pass
		Edge 1RB Right	23.61	/	/	23.11	/	/	<=33	Pass
		Outer Full	23.60	/	/	23.10	/	/	<=33	Pass
		Inner Full	23.53	/	/	23.03	/	/	<=33	Pass
		Inner 1RB Left	23.47	/	/	22.97	/	/	<=33	Pass
		Inner 1RB Right	23.61	/	/	23.11	/	/	<=33	Pass
	2565	Edge 1RB Left	23.75	/	/	23.25	/	/	<=33	Pass
		Edge 1RB Right	23.82	/	/	23.32	/	/	<=33	Pass
		Outer Full	23.77	/	/	23.27	/	/	<=33	Pass
		Inner Full	23.78	/	/	23.28	/	/	<=33	Pass
		Inner 1RB Left	23.83	/	/	23.33	/	/	<=33	Pass
		Inner 1RB Right	23.80	/	/	23.30	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2505	Edge 1RB Left	22.14	/	/	21.64	/	/	<=33	Pass
		Edge 1RB Right	22.25	/	/	21.75	/	/	<=33	Pass
		Outer Full	22.33	/	/	21.83	/	/	<=33	Pass
		Inner Full	23.34	/	/	22.84	/	/	<=33	Pass
		Inner 1RB Left	23.05	/	/	22.55	/	/	<=33	Pass
		Inner 1RB Right	23.08	/	/	22.58	/	/	<=33	Pass
	2535	Edge 1RB Left	22.36	/	/	21.86	/	/	<=33	Pass
		Edge 1RB Right	22.66	/	/	22.16	/	/	<=33	Pass
		Outer Full	22.60	/	/	22.10	/	/	<=33	Pass
		Inner Full	23.60	/	/	23.10	/	/	<=33	Pass
		Inner 1RB Left	23.32	/	/	22.82	/	/	<=33	Pass
		Inner 1RB Right	23.55	/	/	23.05	/	/	<=33	Pass
	2565	Edge 1RB Left	22.59	/	/	22.09	/	/	<=33	Pass
		Edge 1RB Right	22.75	/	/	22.25	/	/	<=33	Pass
		Outer Full	22.82	/	/	22.32	/	/	<=33	Pass
		Inner Full	23.82	/	/	23.32	/	/	<=33	Pass
		Inner 1RB Left	23.75	/	/	23.25	/	/	<=33	Pass
		Inner 1RB Right	23.75	/	/	23.25	/	/	<=33	Pass

DFT-s-OFDM 64 QAM	2505	Edge_1RB_Left	21.80	/	/	21.30	/	/	<=33	Pass
		Edge_1RB_Right	21.87	/	/	21.37	/	/	<=33	Pass
		Outer_Full	21.93	/	/	21.43	/	/	<=33	Pass
		Inner_Full	21.79	/	/	21.29	/	/	<=33	Pass
		Inner_1RB_Left	21.83	/	/	21.33	/	/	<=33	Pass
		Inner_1RB_Right	21.90	/	/	21.40	/	/	<=33	Pass
	2535	Edge_1RB_Left	22.16	/	/	21.66	/	/	<=33	Pass
		Edge_1RB_Right	22.35	/	/	21.85	/	/	<=33	Pass
		Outer_Full	22.08	/	/	21.58	/	/	<=33	Pass
		Inner_Full	22.13	/	/	21.63	/	/	<=33	Pass
		Inner_1RB_Left	22.17	/	/	21.67	/	/	<=33	Pass
		Inner_1RB_Right	22.32	/	/	21.82	/	/	<=33	Pass
	2565	Edge_1RB_Left	22.44	/	/	21.94	/	/	<=33	Pass
		Edge_1RB_Right	22.45	/	/	21.95	/	/	<=33	Pass
		Outer_Full	22.32	/	/	21.82	/	/	<=33	Pass
		Inner_Full	22.33	/	/	21.83	/	/	<=33	Pass
		Inner_1RB_Left	22.53	/	/	22.03	/	/	<=33	Pass
		Inner_1RB_Right	22.48	/	/	21.98	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2505	Edge_1RB_Left	19.11	/	/	18.61	/	/	<=33	Pass
		Edge_1RB_Right	19.39	/	/	18.89	/	/	<=33	Pass
		Outer_Full	19.83	/	/	19.33	/	/	<=33	Pass
		Inner_Full	19.82	/	/	19.32	/	/	<=33	Pass
		Inner_1RB_Left	19.19	/	/	18.69	/	/	<=33	Pass
		Inner_1RB_Right	19.42	/	/	18.92	/	/	<=33	Pass
	2535	Edge_1RB_Left	19.49	/	/	18.99	/	/	<=33	Pass
		Edge_1RB_Right	19.65	/	/	19.15	/	/	<=33	Pass
		Outer_Full	20.05	/	/	19.55	/	/	<=33	Pass
		Inner_Full	20.00	/	/	19.50	/	/	<=33	Pass
		Inner_1RB_Left	19.30	/	/	18.80	/	/	<=33	Pass
		Inner_1RB_Right	19.63	/	/	19.13	/	/	<=33	Pass
	2565	Edge_1RB_Left	19.74	/	/	19.24	/	/	<=33	Pass
		Edge_1RB_Right	19.76	/	/	19.26	/	/	<=33	Pass
		Outer_Full	20.25	/	/	19.75	/	/	<=33	Pass
		Inner_Full	20.27	/	/	19.77	/	/	<=33	Pass
		Inner_1RB_Left	19.77	/	/	19.27	/	/	<=33	Pass
		Inner_1RB_Right	19.75	/	/	19.25	/	/	<=33	Pass
CP-OFDM QPSK	2505	Edge_1RB_Left	21.25	/	/	20.75	/	/	<=33	Pass
		Edge_1RB_Right	21.28	/	/	20.78	/	/	<=33	Pass
		Outer_Full	21.34	/	/	20.84	/	/	<=33	Pass
		Inner_Full	22.79	/	/	22.29	/	/	<=33	Pass
		Inner_1RB_Left	22.73	/	/	22.23	/	/	<=33	Pass
		Inner_1RB_Right	22.69	/	/	22.19	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.45	/	/	20.95	/	/	<=33	Pass
		Edge_1RB_Right	21.60	/	/	21.10	/	/	<=33	Pass
		Outer_Full	21.52	/	/	21.02	/	/	<=33	Pass
		Inner_Full	23.05	/	/	22.55	/	/	<=33	Pass
		Inner_1RB_Left	22.85	/	/	22.35	/	/	<=33	Pass
		Inner_1RB_Right	23.14	/	/	22.64	/	/	<=33	Pass
	2565	Edge_1RB_Left	21.84	/	/	21.34	/	/	<=33	Pass
		Edge_1RB_Right	21.69	/	/	21.19	/	/	<=33	Pass
		Outer_Full	21.73	/	/	21.23	/	/	<=33	Pass
		Inner_Full	23.27	/	/	22.77	/	/	<=33	Pass
		Inner_1RB_Left	23.19	/	/	22.69	/	/	<=33	Pass
		Inner_1RB_Right	23.20	/	/	22.70	/	/	<=33	Pass
CP-OFDM 16 QAM	2505	Edge_1RB_Left	21.25	/	/	20.75	/	/	<=33	Pass
		Edge_1RB_Right	21.51	/	/	21.01	/	/	<=33	Pass
		Outer_Full	21.34	/	/	20.84	/	/	<=33	Pass
		Inner_Full	22.41	/	/	21.91	/	/	<=33	Pass
		Inner_1RB_Left	22.44	/	/	21.94	/	/	<=33	Pass

	2535	Inner 1RB Right	22.41	/	/	21.91	/	/	<=33	Pass
		Edge 1RB Left	21.51	/	/	21.01	/	/	<=33	Pass
		Edge 1RB Right	21.54	/	/	21.04	/	/	<=33	Pass
		Outer_Full	21.53	/	/	21.03	/	/	<=33	Pass
		Inner_Full	22.66	/	/	22.16	/	/	<=33	Pass
		Inner_1RB_Left	22.57	/	/	22.07	/	/	<=33	Pass
		Inner_1RB_Right	22.72	/	/	22.22	/	/	<=33	Pass
	2565	Edge 1RB Left	21.85	/	/	21.35	/	/	<=33	Pass
		Edge 1RB Right	21.88	/	/	21.38	/	/	<=33	Pass
		Outer_Full	21.84	/	/	21.34	/	/	<=33	Pass
		Inner_Full	22.79	/	/	22.29	/	/	<=33	Pass
		Inner_1RB_Left	23.04	/	/	22.54	/	/	<=33	Pass
		Inner_1RB_Right	23.00	/	/	22.50	/	/	<=33	Pass
	CP-OFDM 64 QAM	2505	Edge 1RB Left	20.74	/	/	20.24	/	/	<=33
Edge 1RB Right			20.94	/	/	20.44	/	/	<=33	Pass
Outer_Full			20.85	/	/	20.35	/	/	<=33	Pass
Inner_Full			20.90	/	/	20.40	/	/	<=33	Pass
Inner_1RB_Left			20.79	/	/	20.29	/	/	<=33	Pass
Inner_1RB_Right			20.93	/	/	20.43	/	/	<=33	Pass
2535		Edge 1RB Left	20.99	/	/	20.49	/	/	<=33	Pass
		Edge 1RB Right	21.22	/	/	20.72	/	/	<=33	Pass
		Outer_Full	21.09	/	/	20.59	/	/	<=33	Pass
		Inner_Full	21.09	/	/	20.59	/	/	<=33	Pass
		Inner_1RB_Left	21.11	/	/	20.61	/	/	<=33	Pass
		Inner_1RB_Right	21.24	/	/	20.74	/	/	<=33	Pass
2565		Edge 1RB Left	21.42	/	/	20.92	/	/	<=33	Pass
		Edge 1RB Right	21.36	/	/	20.86	/	/	<=33	Pass
		Outer_Full	21.37	/	/	20.87	/	/	<=33	Pass
		Inner_Full	21.31	/	/	20.81	/	/	<=33	Pass
		Inner_1RB_Left	21.39	/	/	20.89	/	/	<=33	Pass
		Inner_1RB_Right	21.40	/	/	20.90	/	/	<=33	Pass
CP-OFDM 256 QAM	2505	Edge 1RB Left	17.27	/	/	16.77	/	/	<=33	Pass
		Edge 1RB Right	17.44	/	/	16.94	/	/	<=33	Pass
		Outer_Full	17.73	/	/	17.23	/	/	<=33	Pass
		Inner_Full	17.79	/	/	17.29	/	/	<=33	Pass
		Inner_1RB_Left	17.25	/	/	16.75	/	/	<=33	Pass
		Inner_1RB_Right	17.81	/	/	17.31	/	/	<=33	Pass
	2535	Edge 1RB Left	17.65	/	/	17.15	/	/	<=33	Pass
		Edge 1RB Right	17.82	/	/	17.32	/	/	<=33	Pass
		Outer_Full	17.94	/	/	17.44	/	/	<=33	Pass
		Inner_Full	18.07	/	/	17.57	/	/	<=33	Pass
		Inner_1RB_Left	17.54	/	/	17.04	/	/	<=33	Pass
		Inner_1RB_Right	17.93	/	/	17.43	/	/	<=33	Pass
	2565	Edge 1RB Left	17.70	/	/	17.20	/	/	<=33	Pass
		Edge 1RB Right	17.79	/	/	17.29	/	/	<=33	Pass
		Outer_Full	18.24	/	/	17.74	/	/	<=33	Pass
		Inner_Full	18.22	/	/	17.72	/	/	<=33	Pass
		Inner_1RB_Left	17.83	/	/	17.33	/	/	<=33	Pass
		Inner_1RB_Right	17.87	/	/	17.37	/	/	<=33	Pass
Note1: Antenna Gain: Ant2: -0.50dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.3 15k_SISO_15MHz_NTNV_EIRP

1.3.1 Test Result

5G NR n7 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	2507.5	Edge_1RB_Left	23.25	/	/	22.75	/	/	<=33	Pass
		Edge_1RB_Right	23.39	/	/	22.89	/	/	<=33	Pass
		Outer_Full	23.37	/	/	22.87	/	/	<=33	Pass
		Inner_Full	23.45	/	/	22.95	/	/	<=33	Pass
		Inner_1RB_Left	23.37	/	/	22.87	/	/	<=33	Pass
		Inner_1RB_Right	23.42	/	/	22.92	/	/	<=33	Pass
	2535	Edge_1RB_Left	23.61	/	/	23.11	/	/	<=33	Pass
		Edge_1RB_Right	23.75	/	/	23.25	/	/	<=33	Pass
		Outer_Full	23.73	/	/	23.23	/	/	<=33	Pass
		Inner_Full	23.77	/	/	23.27	/	/	<=33	Pass
		Inner_1RB_Left	23.60	/	/	23.10	/	/	<=33	Pass
		Inner_1RB_Right	23.73	/	/	23.23	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	23.74	/	/	23.24	/	/	<=33	Pass
		Edge_1RB_Right	23.76	/	/	23.26	/	/	<=33	Pass
		Outer_Full	23.82	/	/	23.32	/	/	<=33	Pass
		Inner_Full	23.85	/	/	23.35	/	/	<=33	Pass
		Inner_1RB_Left	23.82	/	/	23.32	/	/	<=33	Pass
		Inner_1RB_Right	23.89	/	/	23.39	/	/	<=33	Pass
DFT-s-OFDM QPSK	2507.5	Edge_1RB_Left	23.33	/	/	22.83	/	/	<=33	Pass
		Edge_1RB_Right	23.41	/	/	22.91	/	/	<=33	Pass
		Outer_Full	23.39	/	/	22.89	/	/	<=33	Pass
		Inner_Full	23.46	/	/	22.96	/	/	<=33	Pass
		Inner_1RB_Left	23.33	/	/	22.83	/	/	<=33	Pass
		Inner_1RB_Right	23.44	/	/	22.94	/	/	<=33	Pass
	2535	Edge_1RB_Left	23.72	/	/	23.22	/	/	<=33	Pass
		Edge_1RB_Right	23.76	/	/	23.26	/	/	<=33	Pass
		Outer_Full	23.65	/	/	23.15	/	/	<=33	Pass
		Inner_Full	23.78	/	/	23.28	/	/	<=33	Pass
		Inner_1RB_Left	23.64	/	/	23.14	/	/	<=33	Pass
		Inner_1RB_Right	23.85	/	/	23.35	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	23.70	/	/	23.20	/	/	<=33	Pass
		Edge_1RB_Right	23.81	/	/	23.31	/	/	<=33	Pass
		Outer_Full	23.83	/	/	23.33	/	/	<=33	Pass
		Inner_Full	23.85	/	/	23.35	/	/	<=33	Pass
		Inner_1RB_Left	23.79	/	/	23.29	/	/	<=33	Pass
		Inner_1RB_Right	23.86	/	/	23.36	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2507.5	Edge_1RB_Left	22.31	/	/	21.81	/	/	<=33	Pass
		Edge_1RB_Right	22.41	/	/	21.91	/	/	<=33	Pass
		Outer_Full	22.48	/	/	21.98	/	/	<=33	Pass
		Inner_Full	23.48	/	/	22.98	/	/	<=33	Pass
		Inner_1RB_Left	23.25	/	/	22.75	/	/	<=33	Pass
		Inner_1RB_Right	23.28	/	/	22.78	/	/	<=33	Pass
	2535	Edge_1RB_Left	22.50	/	/	22.00	/	/	<=33	Pass
		Edge_1RB_Right	22.73	/	/	22.23	/	/	<=33	Pass
		Outer_Full	22.70	/	/	22.20	/	/	<=33	Pass
		Inner_Full	23.86	/	/	23.36	/	/	<=33	Pass
		Inner_1RB_Left	23.44	/	/	22.94	/	/	<=33	Pass
		Inner_1RB_Right	23.68	/	/	23.18	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	22.63	/	/	22.13	/	/	<=33	Pass
		Edge_1RB_Right	22.75	/	/	22.25	/	/	<=33	Pass
		Outer_Full	22.84	/	/	22.34	/	/	<=33	Pass
		Inner_Full	23.89	/	/	23.39	/	/	<=33	Pass
		Inner_1RB_Left	23.76	/	/	23.26	/	/	<=33	Pass
		Inner_1RB_Right	23.78	/	/	23.28	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2507.5	Edge_1RB_Left	22.04	/	/	21.54	/	/	<=33	Pass
		Edge_1RB_Right	22.09	/	/	21.59	/	/	<=33	Pass
		Outer_Full	21.94	/	/	21.44	/	/	<=33	Pass

		Inner_Full	21.94	/	/	21.44	/	/	<=33	Pass
		Inner_1RB_Left	22.03	/	/	21.53	/	/	<=33	Pass
		Inner_1RB_Right	22.18	/	/	21.68	/	/	<=33	Pass
	2535	Edge_1RB_Left	22.25	/	/	21.75	/	/	<=33	Pass
		Edge_1RB_Right	22.57	/	/	22.07	/	/	<=33	Pass
		Outer_Full	22.22	/	/	21.72	/	/	<=33	Pass
		Inner_Full	22.37	/	/	21.87	/	/	<=33	Pass
		Inner_1RB_Left	22.35	/	/	21.85	/	/	<=33	Pass
		Inner_1RB_Right	22.53	/	/	22.03	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	22.49	/	/	21.99	/	/	<=33	Pass
		Edge_1RB_Right	22.53	/	/	22.03	/	/	<=33	Pass
		Outer_Full	22.40	/	/	21.90	/	/	<=33	Pass
		Inner_Full	22.37	/	/	21.87	/	/	<=33	Pass
		Inner_1RB_Left	22.52	/	/	22.02	/	/	<=33	Pass
		Inner_1RB_Right	22.51	/	/	22.01	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2507.5	Edge_1RB_Left	19.25	/	/	18.75	/	/	<=33	Pass
		Edge_1RB_Right	19.35	/	/	18.85	/	/	<=33	Pass
		Outer_Full	19.84	/	/	19.34	/	/	<=33	Pass
		Inner_Full	19.81	/	/	19.31	/	/	<=33	Pass
		Inner_1RB_Left	19.25	/	/	18.75	/	/	<=33	Pass
		Inner_1RB_Right	19.43	/	/	18.93	/	/	<=33	Pass
	2535	Edge_1RB_Left	19.61	/	/	19.11	/	/	<=33	Pass
		Edge_1RB_Right	19.75	/	/	19.25	/	/	<=33	Pass
		Outer_Full	20.18	/	/	19.68	/	/	<=33	Pass
		Inner_Full	20.20	/	/	19.70	/	/	<=33	Pass
		Inner_1RB_Left	19.61	/	/	19.11	/	/	<=33	Pass
		Inner_1RB_Right	19.73	/	/	19.23	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	19.76	/	/	19.26	/	/	<=33	Pass
		Edge_1RB_Right	19.72	/	/	19.22	/	/	<=33	Pass
		Outer_Full	20.29	/	/	19.79	/	/	<=33	Pass
		Inner_Full	20.27	/	/	19.77	/	/	<=33	Pass
		Inner_1RB_Left	19.72	/	/	19.22	/	/	<=33	Pass
		Inner_1RB_Right	19.78	/	/	19.28	/	/	<=33	Pass
CP-OFDM QPSK	2507.5	Edge_1RB_Left	21.44	/	/	20.94	/	/	<=33	Pass
		Edge_1RB_Right	21.46	/	/	20.96	/	/	<=33	Pass
		Outer_Full	21.27	/	/	20.77	/	/	<=33	Pass
		Inner_Full	22.88	/	/	22.38	/	/	<=33	Pass
		Inner_1RB_Left	22.85	/	/	22.35	/	/	<=33	Pass
		Inner_1RB_Right	22.97	/	/	22.47	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.73	/	/	21.23	/	/	<=33	Pass
		Edge_1RB_Right	21.81	/	/	21.31	/	/	<=33	Pass
		Outer_Full	21.78	/	/	21.28	/	/	<=33	Pass
		Inner_Full	23.25	/	/	22.75	/	/	<=33	Pass
		Inner_1RB_Left	23.09	/	/	22.59	/	/	<=33	Pass
		Inner_1RB_Right	23.43	/	/	22.93	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	21.80	/	/	21.30	/	/	<=33	Pass
		Edge_1RB_Right	21.76	/	/	21.26	/	/	<=33	Pass
		Outer_Full	21.73	/	/	21.23	/	/	<=33	Pass
		Inner_Full	23.29	/	/	22.79	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	22.71	/	/	<=33	Pass
		Inner_1RB_Right	23.26	/	/	22.76	/	/	<=33	Pass
CP-OFDM 16 QAM	2507.5	Edge_1RB_Left	21.46	/	/	20.96	/	/	<=33	Pass
		Edge_1RB_Right	21.62	/	/	21.12	/	/	<=33	Pass
		Outer_Full	21.43	/	/	20.93	/	/	<=33	Pass
		Inner_Full	22.48	/	/	21.98	/	/	<=33	Pass
		Inner_1RB_Left	22.44	/	/	21.94	/	/	<=33	Pass
		Inner_1RB_Right	22.62	/	/	22.12	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.77	/	/	21.27	/	/	<=33	Pass
		Edge_1RB_Right	21.93	/	/	21.43	/	/	<=33	Pass

		Outer_Full	21.83	/	/	21.33	/	/	<=33	Pass
		Inner_Full	22.92	/	/	22.42	/	/	<=33	Pass
		Inner_1RB_Left	22.77	/	/	22.27	/	/	<=33	Pass
		Inner_1RB_Right	23.05	/	/	22.55	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	21.96	/	/	21.46	/	/	<=33	Pass
		Edge_1RB_Right	21.89	/	/	21.39	/	/	<=33	Pass
		Outer_Full	21.78	/	/	21.28	/	/	<=33	Pass
		Inner_Full	22.85	/	/	22.35	/	/	<=33	Pass
		Inner_1RB_Left	23.04	/	/	22.54	/	/	<=33	Pass
		Inner_1RB_Right	22.99	/	/	22.49	/	/	<=33	Pass
CP-OFDM 64 QAM	2507.5	Edge_1RB_Left	20.97	/	/	20.47	/	/	<=33	Pass
		Edge_1RB_Right	21.06	/	/	20.56	/	/	<=33	Pass
		Outer_Full	20.86	/	/	20.36	/	/	<=33	Pass
		Inner_Full	20.90	/	/	20.40	/	/	<=33	Pass
		Inner_1RB_Left	20.91	/	/	20.41	/	/	<=33	Pass
		Inner_1RB_Right	21.08	/	/	20.58	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.29	/	/	20.79	/	/	<=33	Pass
		Edge_1RB_Right	21.43	/	/	20.93	/	/	<=33	Pass
		Outer_Full	21.17	/	/	20.67	/	/	<=33	Pass
		Inner_Full	21.32	/	/	20.82	/	/	<=33	Pass
		Inner_1RB_Left	21.21	/	/	20.71	/	/	<=33	Pass
		Inner_1RB_Right	21.44	/	/	20.94	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	21.42	/	/	20.92	/	/	<=33	Pass
		Edge_1RB_Right	21.43	/	/	20.93	/	/	<=33	Pass
		Outer_Full	21.30	/	/	20.80	/	/	<=33	Pass
		Inner_Full	21.30	/	/	20.80	/	/	<=33	Pass
		Inner_1RB_Left	21.48	/	/	20.98	/	/	<=33	Pass
		Inner_1RB_Right	21.54	/	/	21.04	/	/	<=33	Pass
CP-OFDM 256 QAM	2507.5	Edge_1RB_Left	17.34	/	/	16.84	/	/	<=33	Pass
		Edge_1RB_Right	17.39	/	/	16.89	/	/	<=33	Pass
		Outer_Full	17.78	/	/	17.28	/	/	<=33	Pass
		Inner_Full	17.80	/	/	17.30	/	/	<=33	Pass
		Inner_1RB_Left	17.32	/	/	16.82	/	/	<=33	Pass
		Inner_1RB_Right	17.49	/	/	16.99	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.65	/	/	17.15	/	/	<=33	Pass
		Edge_1RB_Right	17.82	/	/	17.32	/	/	<=33	Pass
		Outer_Full	18.20	/	/	17.70	/	/	<=33	Pass
		Inner_Full	18.24	/	/	17.74	/	/	<=33	Pass
		Inner_1RB_Left	17.67	/	/	17.17	/	/	<=33	Pass
		Inner_1RB_Right	17.81	/	/	17.31	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	17.84	/	/	17.34	/	/	<=33	Pass
		Edge_1RB_Right	17.57	/	/	17.07	/	/	<=33	Pass
		Outer_Full	18.31	/	/	17.81	/	/	<=33	Pass
Inner_Full		18.31	/	/	17.81	/	/	<=33	Pass	
Inner_1RB_Left		17.78	/	/	17.28	/	/	<=33	Pass	
Inner_1RB_Right	17.57	/	/	17.07	/	/	<=33	Pass		
Note1: Antenna Gain: Ant2: -0.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.4 15k_SISO_20MHz_NTNV_EIRP

1.4.1 Test Result

5G NR n7 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2	2510	Edge_1RB_Left	23.25	/	/	22.75	/	/	<=33	Pass

BPSK		Edge 1RB Right	23.47	/	/	22.97	/	/	<=33	Pass	
		Outer Full	23.39	/	/	22.89	/	/	<=33	Pass	
		Inner Full	23.38	/	/	22.88	/	/	<=33	Pass	
		Inner 1RB Left	23.36	/	/	22.86	/	/	<=33	Pass	
		Inner 1RB Right	23.51	/	/	23.01	/	/	<=33	Pass	
	2535	Edge 1RB Left	23.62	/	/	23.12	/	/	<=33	Pass	
		Edge 1RB Right	23.78	/	/	23.28	/	/	<=33	Pass	
		Outer Full	23.73	/	/	23.23	/	/	<=33	Pass	
		Inner Full	23.73	/	/	23.23	/	/	<=33	Pass	
		Inner 1RB Left	23.50	/	/	23.00	/	/	<=33	Pass	
	2560	Inner 1RB Right	23.76	/	/	23.26	/	/	<=33	Pass	
		Edge 1RB Left	23.75	/	/	23.25	/	/	<=33	Pass	
		Edge 1RB Right	23.83	/	/	23.33	/	/	<=33	Pass	
		Outer Full	23.80	/	/	23.30	/	/	<=33	Pass	
		Inner Full	23.86	/	/	23.36	/	/	<=33	Pass	
	DFT-s-OFDM QPSK	2510	Inner 1RB Left	23.73	/	/	23.23	/	/	<=33	Pass
			Inner 1RB Right	23.84	/	/	23.34	/	/	<=33	Pass
			Edge 1RB Left	23.21	/	/	22.71	/	/	<=33	Pass
Edge 1RB Right			23.50	/	/	23.00	/	/	<=33	Pass	
Outer Full			23.39	/	/	22.89	/	/	<=33	Pass	
2535		Inner Full	23.38	/	/	22.88	/	/	<=33	Pass	
		Inner 1RB Left	23.32	/	/	22.82	/	/	<=33	Pass	
		Inner 1RB Right	23.50	/	/	23.00	/	/	<=33	Pass	
		Edge 1RB Left	23.51	/	/	23.01	/	/	<=33	Pass	
		Edge 1RB Right	23.73	/	/	23.23	/	/	<=33	Pass	
2560		Outer Full	23.76	/	/	23.26	/	/	<=33	Pass	
		Inner Full	23.74	/	/	23.24	/	/	<=33	Pass	
		Inner 1RB Left	23.58	/	/	23.08	/	/	<=33	Pass	
		Inner 1RB Right	23.77	/	/	23.27	/	/	<=33	Pass	
		Edge 1RB Left	23.73	/	/	23.23	/	/	<=33	Pass	
DFT-s-OFDM 16 QAM		2510	Edge 1RB Right	23.86	/	/	23.36	/	/	<=33	Pass
			Outer Full	23.81	/	/	23.31	/	/	<=33	Pass
			Inner Full	23.84	/	/	23.34	/	/	<=33	Pass
	Inner 1RB Left		23.78	/	/	23.28	/	/	<=33	Pass	
	Inner 1RB Right		23.88	/	/	23.38	/	/	<=33	Pass	
	2535	Edge 1RB Left	22.15	/	/	21.65	/	/	<=33	Pass	
		Edge 1RB Right	22.36	/	/	21.86	/	/	<=33	Pass	
		Outer Full	22.34	/	/	21.84	/	/	<=33	Pass	
		Inner Full	23.40	/	/	22.90	/	/	<=33	Pass	
		Inner 1RB Left	23.24	/	/	22.74	/	/	<=33	Pass	
	2560	Inner 1RB Right	23.36	/	/	22.86	/	/	<=33	Pass	
		Edge 1RB Left	22.48	/	/	21.98	/	/	<=33	Pass	
		Edge 1RB Right	22.61	/	/	22.11	/	/	<=33	Pass	
		Outer Full	22.72	/	/	22.22	/	/	<=33	Pass	
		Inner Full	23.75	/	/	23.25	/	/	<=33	Pass	
	DFT-s-OFDM 64 QAM	2510	Inner 1RB Left	23.42	/	/	22.92	/	/	<=33	Pass
			Inner 1RB Right	23.67	/	/	23.17	/	/	<=33	Pass
			Edge 1RB Left	22.69	/	/	22.19	/	/	<=33	Pass
Edge 1RB Right			22.78	/	/	22.28	/	/	<=33	Pass	
Outer Full			22.82	/	/	22.32	/	/	<=33	Pass	
2535		Inner Full	23.83	/	/	23.33	/	/	<=33	Pass	
		Inner 1RB Left	23.69	/	/	23.19	/	/	<=33	Pass	
		Inner 1RB Right	23.78	/	/	23.28	/	/	<=33	Pass	
		Edge 1RB Left	22.09	/	/	21.59	/	/	<=33	Pass	
		Edge 1RB Right	22.21	/	/	21.71	/	/	<=33	Pass	
2560		Outer Full	21.95	/	/	21.45	/	/	<=33	Pass	
		Inner Full	21.93	/	/	21.43	/	/	<=33	Pass	
		Inner 1RB Left	22.04	/	/	21.54	/	/	<=33	Pass	
		Inner 1RB Right	22.19	/	/	21.69	/	/	<=33	Pass	

	2535	Edge_1RB_Left	22.22	/	/	21.72	/	/	<=33	Pass
		Edge_1RB_Right	22.51	/	/	22.01	/	/	<=33	Pass
		Outer_Full	22.29	/	/	21.79	/	/	<=33	Pass
		Inner_Full	22.32	/	/	21.82	/	/	<=33	Pass
		Inner_1RB_Left	22.24	/	/	21.74	/	/	<=33	Pass
		Inner_1RB_Right	22.52	/	/	22.02	/	/	<=33	Pass
	2560	Edge_1RB_Left	22.54	/	/	22.04	/	/	<=33	Pass
		Edge_1RB_Right	22.47	/	/	21.97	/	/	<=33	Pass
		Outer_Full	22.34	/	/	21.84	/	/	<=33	Pass
		Inner_Full	22.37	/	/	21.87	/	/	<=33	Pass
		Inner_1RB_Left	22.53	/	/	22.03	/	/	<=33	Pass
		Inner_1RB_Right	22.53	/	/	22.03	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2510	Edge_1RB_Left	19.23	/	/	18.73	/	/	<=33	Pass
		Edge_1RB_Right	19.45	/	/	18.95	/	/	<=33	Pass
		Outer_Full	19.89	/	/	19.39	/	/	<=33	Pass
		Inner_Full	19.84	/	/	19.34	/	/	<=33	Pass
		Inner_1RB_Left	19.31	/	/	18.81	/	/	<=33	Pass
		Inner_1RB_Right	19.73	/	/	19.23	/	/	<=33	Pass
	2535	Edge_1RB_Left	19.63	/	/	19.13	/	/	<=33	Pass
		Edge_1RB_Right	19.80	/	/	19.30	/	/	<=33	Pass
		Outer_Full	20.25	/	/	19.75	/	/	<=33	Pass
		Inner_Full	20.23	/	/	19.73	/	/	<=33	Pass
		Inner_1RB_Left	19.53	/	/	19.03	/	/	<=33	Pass
		Inner_1RB_Right	19.75	/	/	19.25	/	/	<=33	Pass
	2560	Edge_1RB_Left	19.64	/	/	19.14	/	/	<=33	Pass
		Edge_1RB_Right	19.77	/	/	19.27	/	/	<=33	Pass
		Outer_Full	20.26	/	/	19.76	/	/	<=33	Pass
		Inner_Full	20.26	/	/	19.76	/	/	<=33	Pass
		Inner_1RB_Left	19.71	/	/	19.21	/	/	<=33	Pass
		Inner_1RB_Right	19.69	/	/	19.19	/	/	<=33	Pass
CP-OFDM QPSK	2510	Edge_1RB_Left	21.32	/	/	20.82	/	/	<=33	Pass
		Edge_1RB_Right	21.35	/	/	20.85	/	/	<=33	Pass
		Outer_Full	21.31	/	/	20.81	/	/	<=33	Pass
		Inner_Full	22.83	/	/	22.33	/	/	<=33	Pass
		Inner_1RB_Left	22.66	/	/	22.16	/	/	<=33	Pass
		Inner_1RB_Right	22.81	/	/	22.31	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.57	/	/	21.07	/	/	<=33	Pass
		Edge_1RB_Right	21.87	/	/	21.37	/	/	<=33	Pass
		Outer_Full	21.75	/	/	21.25	/	/	<=33	Pass
		Inner_Full	23.28	/	/	22.78	/	/	<=33	Pass
		Inner_1RB_Left	23.00	/	/	22.50	/	/	<=33	Pass
		Inner_1RB_Right	23.25	/	/	22.75	/	/	<=33	Pass
	2560	Edge_1RB_Left	21.76	/	/	21.26	/	/	<=33	Pass
		Edge_1RB_Right	21.82	/	/	21.32	/	/	<=33	Pass
		Outer_Full	21.79	/	/	21.29	/	/	<=33	Pass
		Inner_Full	23.27	/	/	22.77	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	22.71	/	/	<=33	Pass
		Inner_1RB_Right	23.38	/	/	22.88	/	/	<=33	Pass
CP-OFDM 16 QAM	2510	Edge_1RB_Left	21.44	/	/	20.94	/	/	<=33	Pass
		Edge_1RB_Right	21.65	/	/	21.15	/	/	<=33	Pass
		Outer_Full	21.30	/	/	20.80	/	/	<=33	Pass
		Inner_Full	22.36	/	/	21.86	/	/	<=33	Pass
		Inner_1RB_Left	22.42	/	/	21.92	/	/	<=33	Pass
		Inner_1RB_Right	22.68	/	/	22.18	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.66	/	/	21.16	/	/	<=33	Pass
		Edge_1RB_Right	21.85	/	/	21.35	/	/	<=33	Pass
		Outer_Full	21.78	/	/	21.28	/	/	<=33	Pass
		Inner_Full	22.76	/	/	22.26	/	/	<=33	Pass
		Inner_1RB_Left	22.68	/	/	22.18	/	/	<=33	Pass

	2560	Inner 1RB Right	22.96	/	/	22.46	/	/	<=33	Pass
		Edge 1RB Left	21.85	/	/	21.35	/	/	<=33	Pass
		Edge 1RB Right	22.00	/	/	21.50	/	/	<=33	Pass
		Outer_Full	21.72	/	/	21.22	/	/	<=33	Pass
		Inner_Full	22.80	/	/	22.30	/	/	<=33	Pass
		Inner 1RB Left	22.95	/	/	22.45	/	/	<=33	Pass
		Inner 1RB Right	23.04	/	/	22.54	/	/	<=33	Pass
CP-OFDM 64 QAM	2510	Edge 1RB Left	20.95	/	/	20.45	/	/	<=33	Pass
		Edge 1RB Right	21.09	/	/	20.59	/	/	<=33	Pass
		Outer_Full	20.89	/	/	20.39	/	/	<=33	Pass
		Inner_Full	20.91	/	/	20.41	/	/	<=33	Pass
		Inner 1RB Left	20.88	/	/	20.38	/	/	<=33	Pass
		Inner 1RB Right	20.99	/	/	20.49	/	/	<=33	Pass
	2535	Edge 1RB Left	21.14	/	/	20.64	/	/	<=33	Pass
		Edge 1RB Right	21.40	/	/	20.90	/	/	<=33	Pass
		Outer_Full	21.35	/	/	20.85	/	/	<=33	Pass
		Inner_Full	21.28	/	/	20.78	/	/	<=33	Pass
		Inner 1RB Left	21.17	/	/	20.67	/	/	<=33	Pass
		Inner 1RB Right	21.41	/	/	20.91	/	/	<=33	Pass
	2560	Edge 1RB Left	21.46	/	/	20.96	/	/	<=33	Pass
		Edge 1RB Right	21.51	/	/	21.01	/	/	<=33	Pass
		Outer_Full	21.30	/	/	20.80	/	/	<=33	Pass
Inner_Full		21.38	/	/	20.88	/	/	<=33	Pass	
Inner 1RB Left		21.46	/	/	20.96	/	/	<=33	Pass	
Inner 1RB Right		21.47	/	/	20.97	/	/	<=33	Pass	
CP-OFDM 256 QAM	2510	Edge 1RB Left	17.31	/	/	16.81	/	/	<=33	Pass
		Edge 1RB Right	17.33	/	/	16.83	/	/	<=33	Pass
		Outer_Full	17.95	/	/	17.45	/	/	<=33	Pass
		Inner_Full	17.93	/	/	17.43	/	/	<=33	Pass
		Inner 1RB Left	17.28	/	/	16.78	/	/	<=33	Pass
		Inner 1RB Right	17.35	/	/	16.85	/	/	<=33	Pass
	2535	Edge 1RB Left	17.70	/	/	17.20	/	/	<=33	Pass
		Edge 1RB Right	17.86	/	/	17.36	/	/	<=33	Pass
		Outer_Full	18.23	/	/	17.73	/	/	<=33	Pass
		Inner_Full	18.21	/	/	17.71	/	/	<=33	Pass
		Inner 1RB Left	17.50	/	/	17.00	/	/	<=33	Pass
		Inner 1RB Right	17.84	/	/	17.34	/	/	<=33	Pass
	2560	Edge 1RB Left	17.75	/	/	17.25	/	/	<=33	Pass
		Edge 1RB Right	17.78	/	/	17.28	/	/	<=33	Pass
		Outer_Full	18.32	/	/	17.82	/	/	<=33	Pass
Inner_Full		18.28	/	/	17.78	/	/	<=33	Pass	
Inner 1RB Left		17.80	/	/	17.30	/	/	<=33	Pass	
Inner 1RB Right	17.75	/	/	17.25	/	/	<=33	Pass		
Note1: Antenna Gain: Ant2: -0.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 15k_SISO_20MHz

2.1.1 Test Result

5G NR n7 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	2535	Outer_Full	20	LV	-12.00	-0.0047	>=-2.5 & <=2.5	Pass

BPSK				HV	-11.00	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.90	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.10	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-11.10	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-10.20	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.20	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.10	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-9.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	20	LV	-6.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.10	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-11.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.00	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-12.50	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.80	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.40	-0.0025	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	20	LV	-4.90	-0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.80	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.30	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.20	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.10	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-9.70	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.90	-0.0019	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	20	LV	-7.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.70	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-10.20	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.10	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.20	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.80	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.70	-0.0026	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	20	LV	-4.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.60	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.90	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.70	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.70	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.70	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.80	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.10	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2535	Outer_Full	20	LV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.70	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.90	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass

			0	NV	-7.80	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-5.50	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2535	Outer_Full	20	LV	-8.40	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-4.50	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2535	Outer_Full	20	LV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2535	Outer_Full	20	LV	-7.60	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

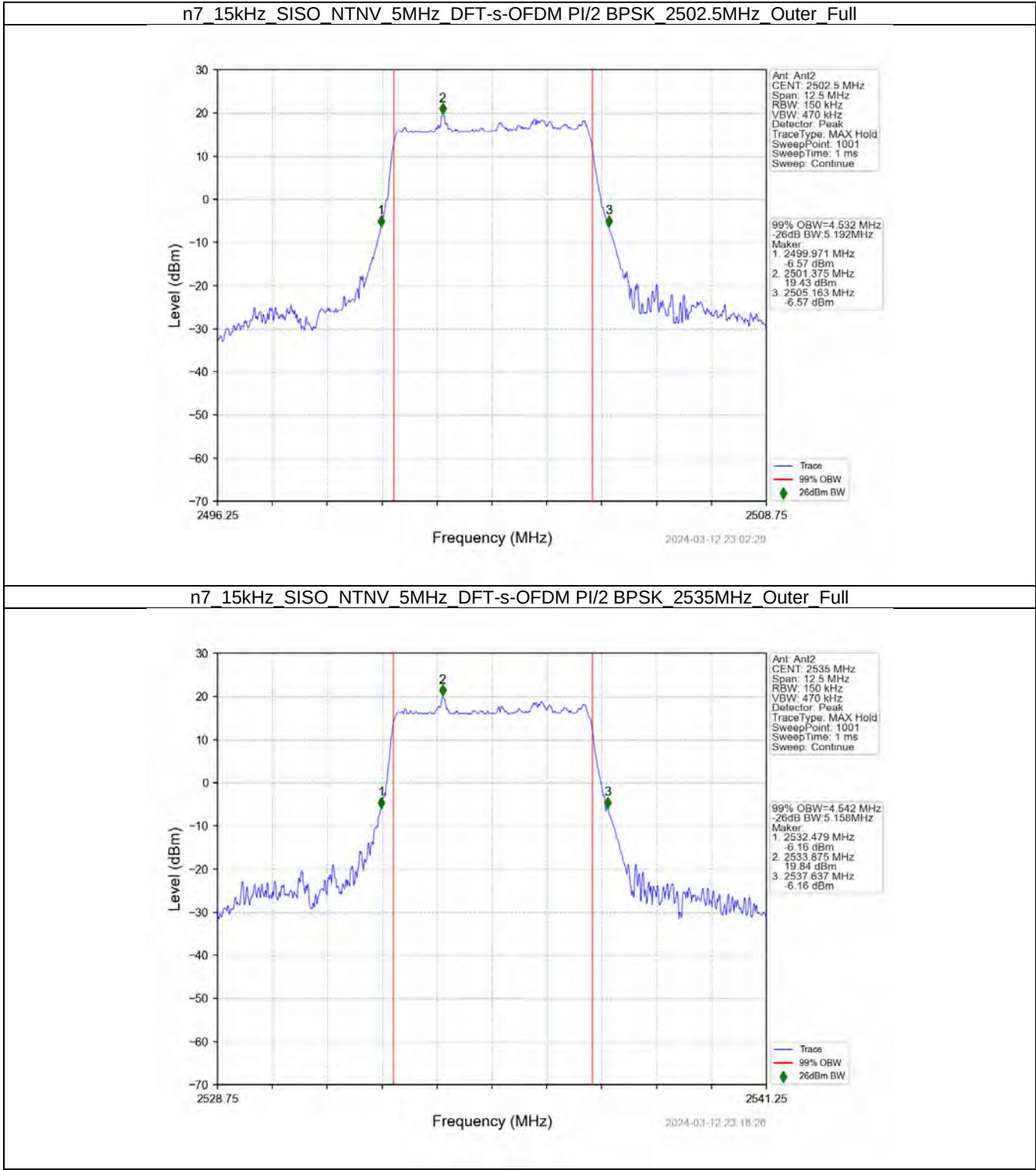
3.1 15k_SISO_5MHz_NTNV

3.1.1 Test Result

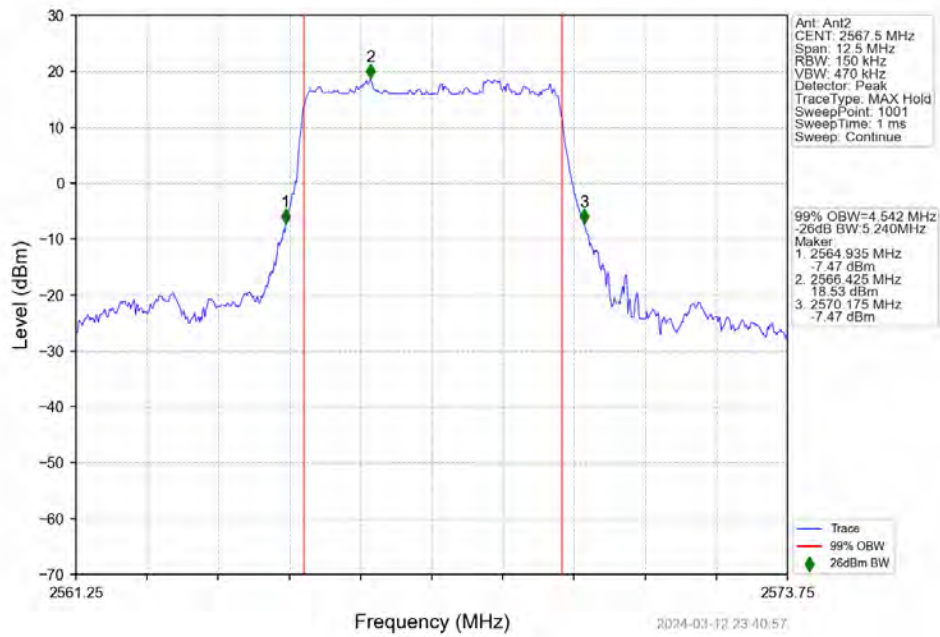
5G NR n7 SCS=15kHz SISO 5MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2502.5	Outer_Full	4.53	5.19	/	Pass
	2535	Outer_Full	4.54	5.16	/	Pass
	2567.5	Outer_Full	4.54	5.24	/	Pass
DFT-s-OFDM QPSK	2502.5	Outer_Full	4.53	5.17	/	Pass
	2535	Outer_Full	4.54	5.23	/	Pass
	2567.5	Outer_Full	4.53	5.28	/	Pass
DFT-s-OFDM 16 QAM	2502.5	Outer_Full	4.56	5.21	/	Pass

	2535	Outer_Full	4.56	5.20	/	Pass
	2567.5	Outer_Full	4.57	5.24	/	Pass
	2502.5	Outer_Full	4.55	5.28	/	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	4.54	5.23	/	Pass
	2567.5	Outer_Full	4.55	5.29	/	Pass
	2502.5	Outer_Full	4.58	5.28	/	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	4.58	5.31	/	Pass
	2567.5	Outer_Full	4.58	5.32	/	Pass
	2502.5	Outer_Full	4.58	5.26	/	Pass
CP-OFDM QPSK	2535	Outer_Full	4.56	5.39	/	Pass
	2567.5	Outer_Full	4.57	5.39	/	Pass
	2502.5	Outer_Full	4.62	5.46	/	Pass
CP-OFDM 16 QAM	2535	Outer_Full	4.62	5.43	/	Pass
	2567.5	Outer_Full	4.63	5.47	/	Pass
	2502.5	Outer_Full	4.56	5.31	/	Pass
CP-OFDM 64 QAM	2535	Outer_Full	4.55	5.30	/	Pass
	2567.5	Outer_Full	4.55	5.28	/	Pass
	2502.5	Outer_Full	4.57	5.27	/	Pass
CP-OFDM 256 QAM	2535	Outer_Full	4.58	5.38	/	Pass
	2567.5	Outer_Full	4.56	5.34	/	Pass

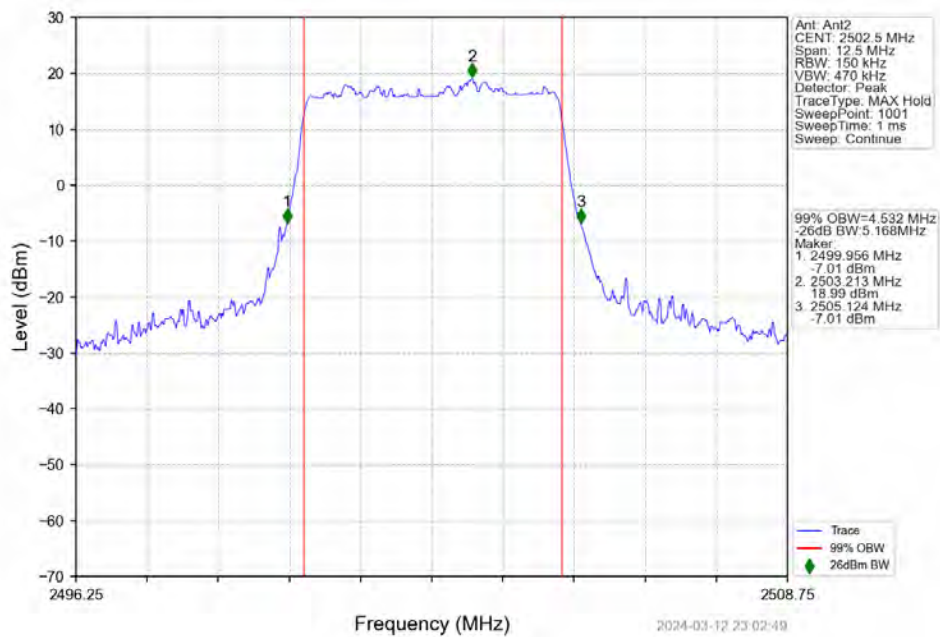
3.1.2 Test Graph



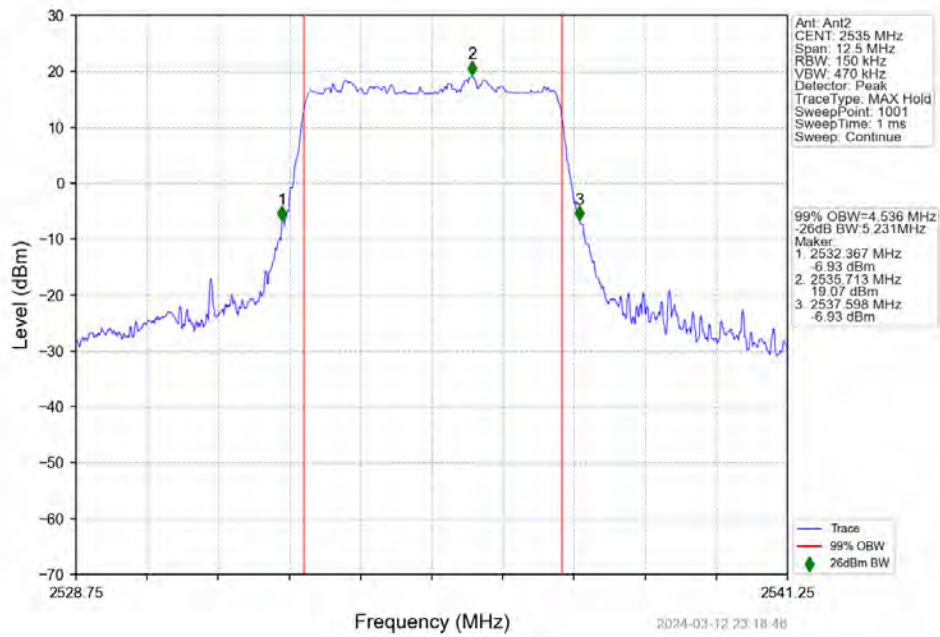
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2567.5MHz Outer Full



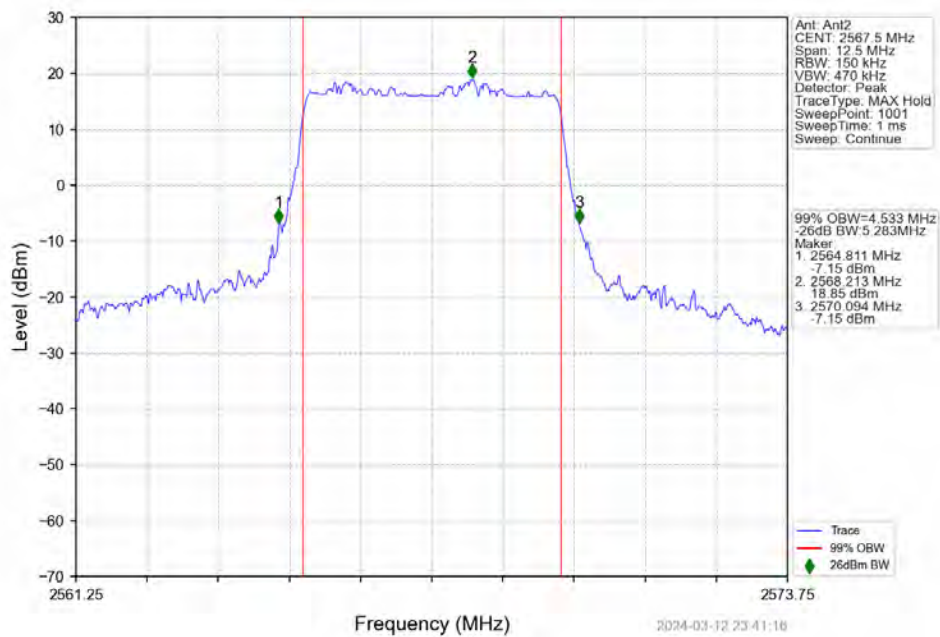
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2502.5MHz Outer Full



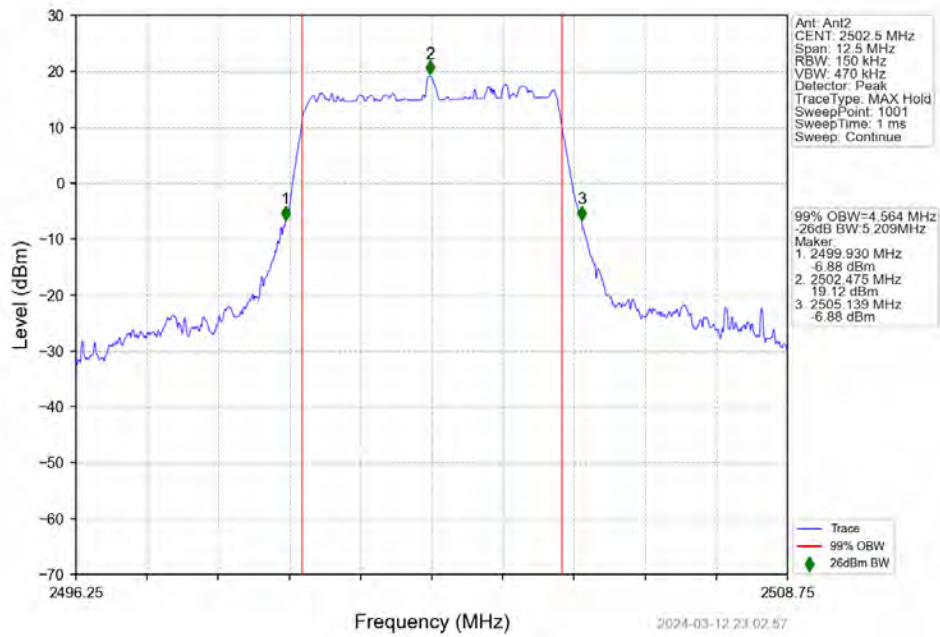
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2535MHz Outer Full



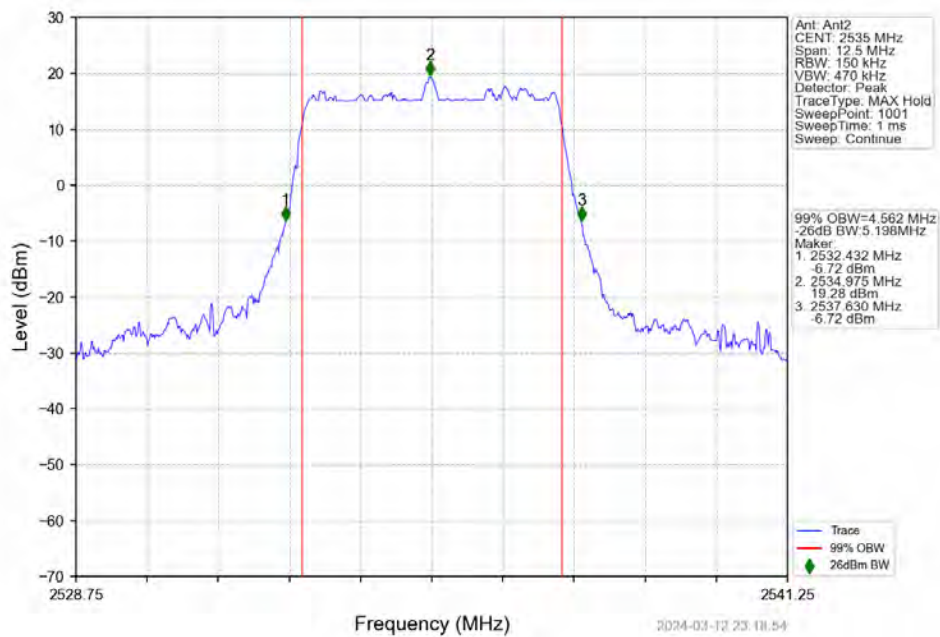
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2567.5MHz Outer Full



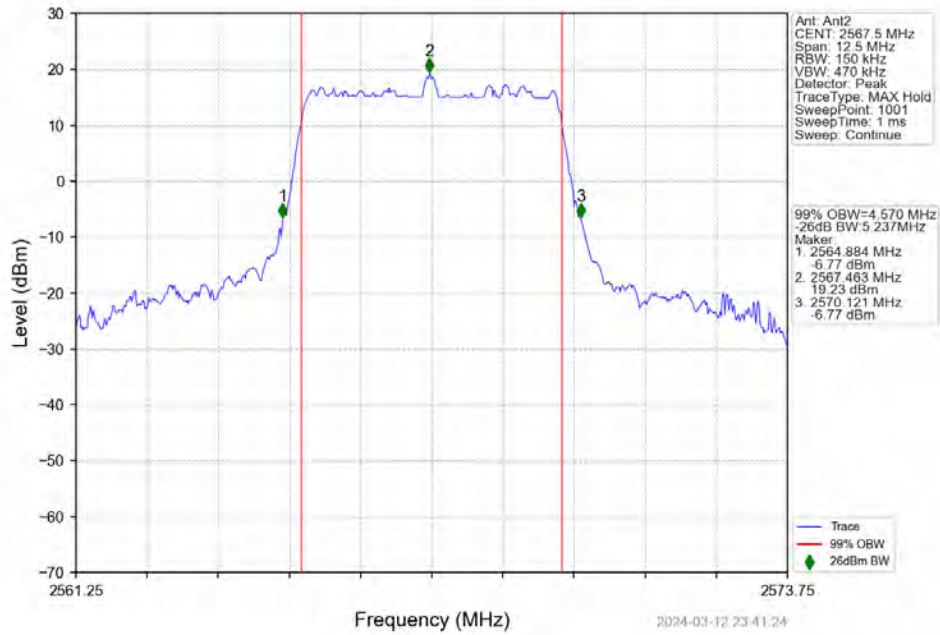
n7 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 2502.5MHz Outer Full



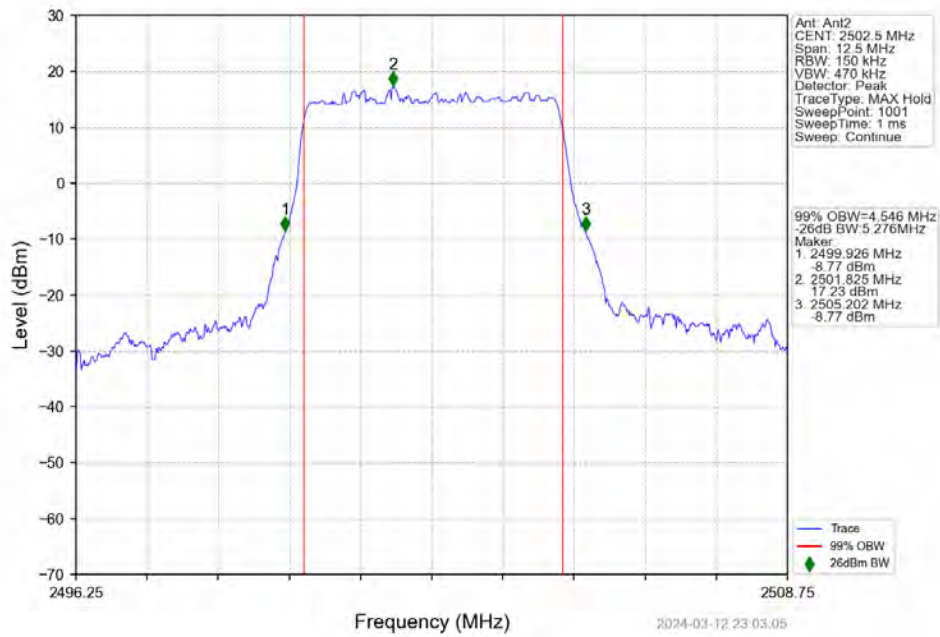
n7 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 2535MHz Outer Full



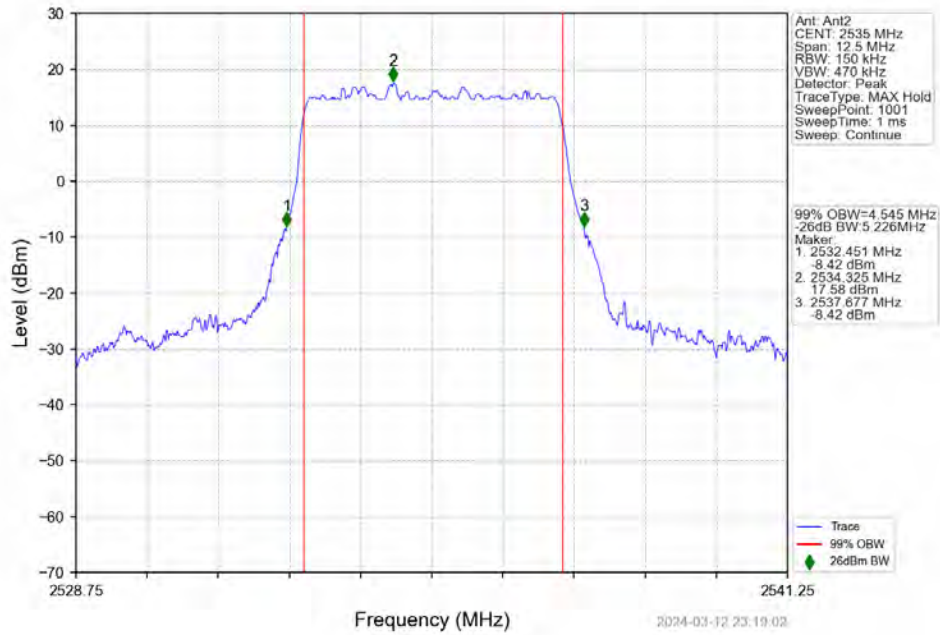
n7 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 2567.5MHz Outer Full



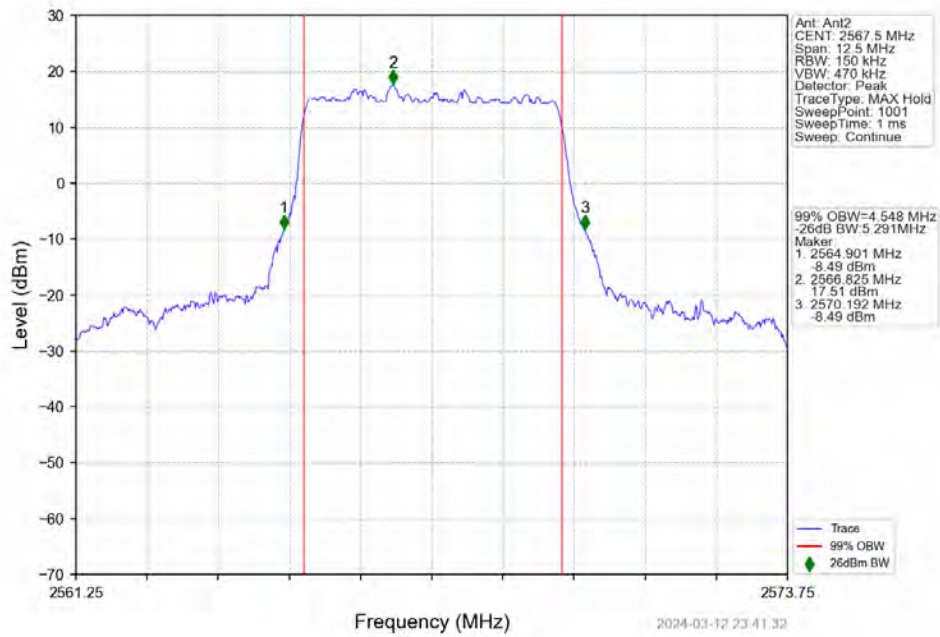
n7 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 2502.5MHz Outer Full



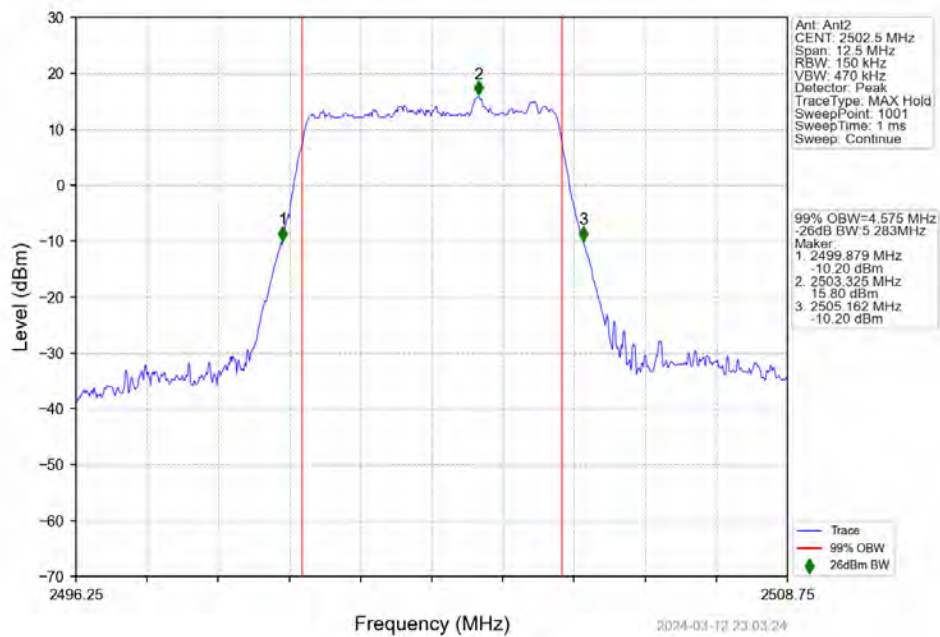
n7 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 2535MHz Outer Full



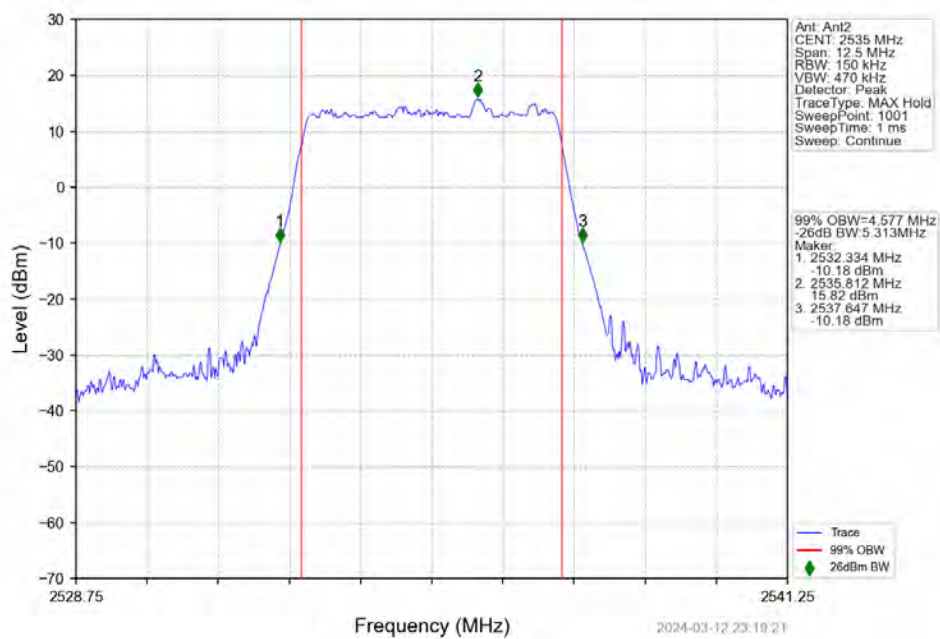
n7 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 2567.5MHz Outer Full



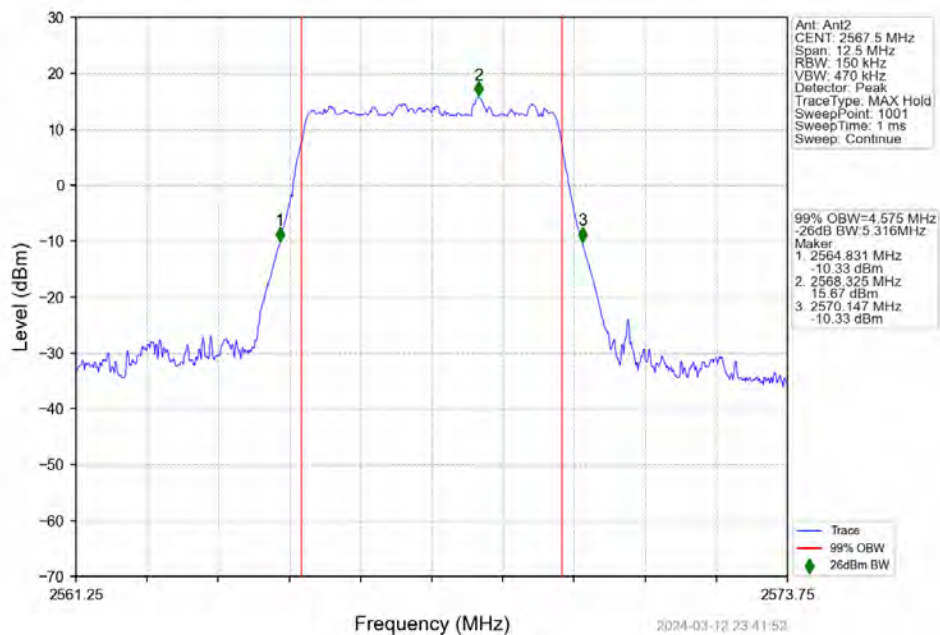
n7 15kHz SISO NTNv 5MHz DFT-s-OFDM 256 QAM 2502.5MHz Outer Full



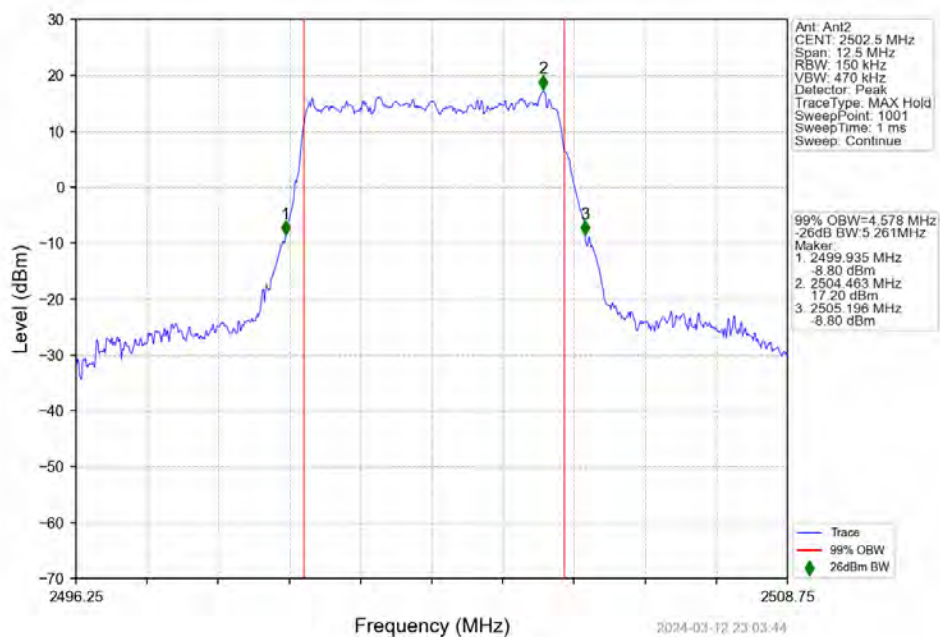
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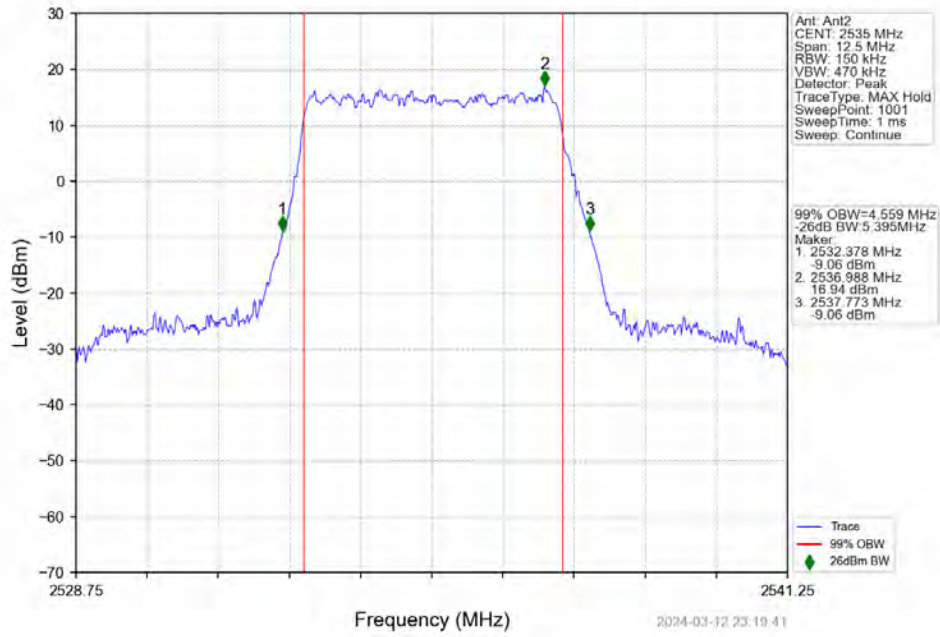
n7 15kHz SISO NTV 5MHz DFT-s-OFDM 256 QAM 2567.5MHz Outer Full



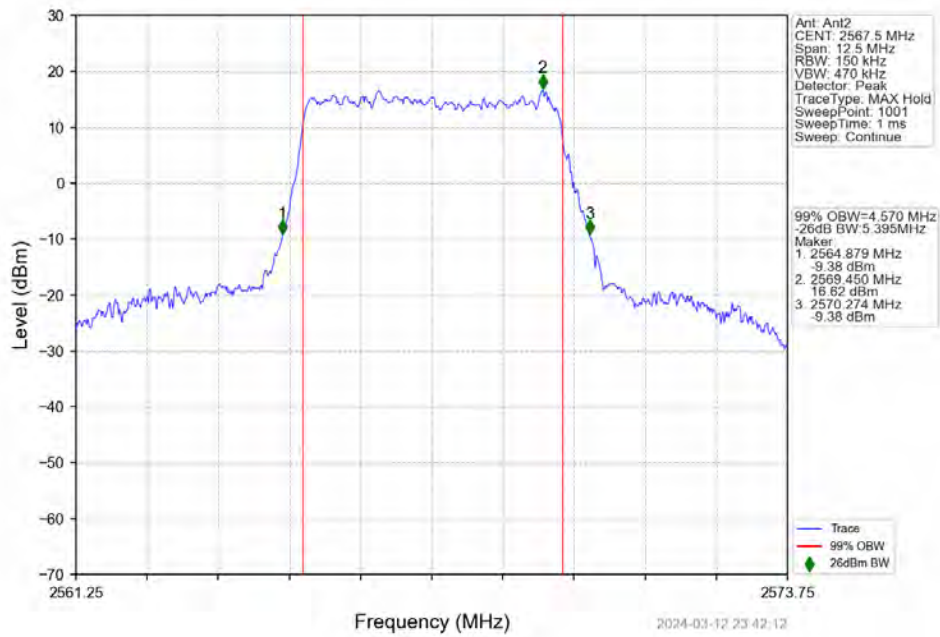
n7 15kHz SISO NTV 5MHz CP-OFDM QPSK 2502.5MHz Outer Full



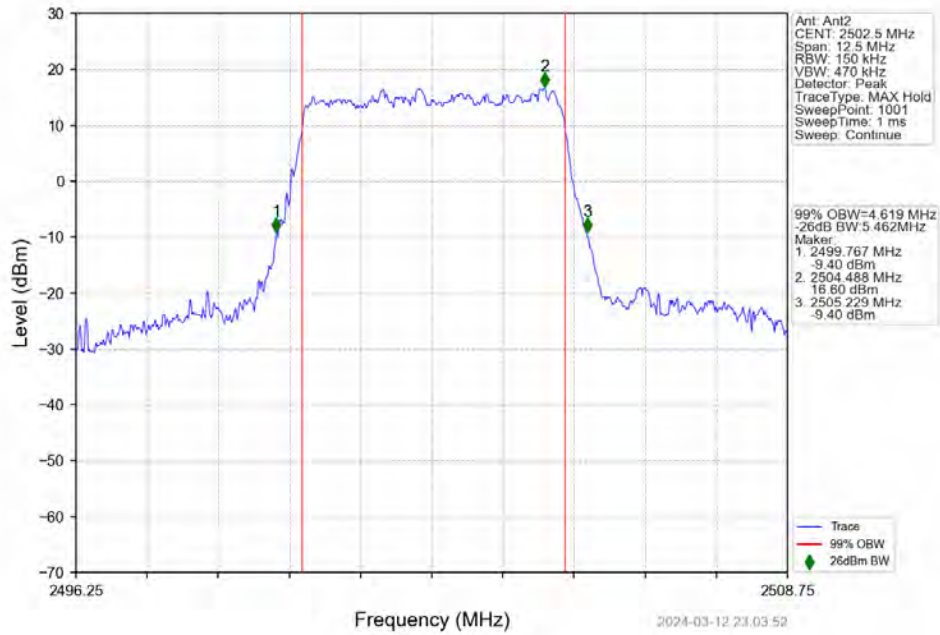
n7 15kHz SISO NTN 5MHz CP-OFDM QPSK 2535MHz Outer Full



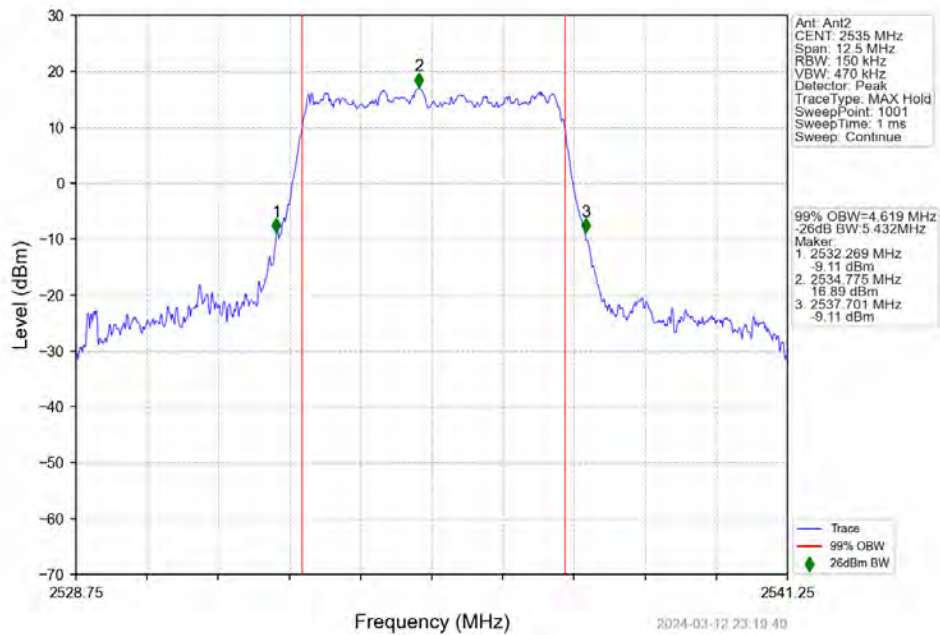
n7 15kHz SISO NTN 5MHz CP-OFDM QPSK 2567.5MHz Outer Full



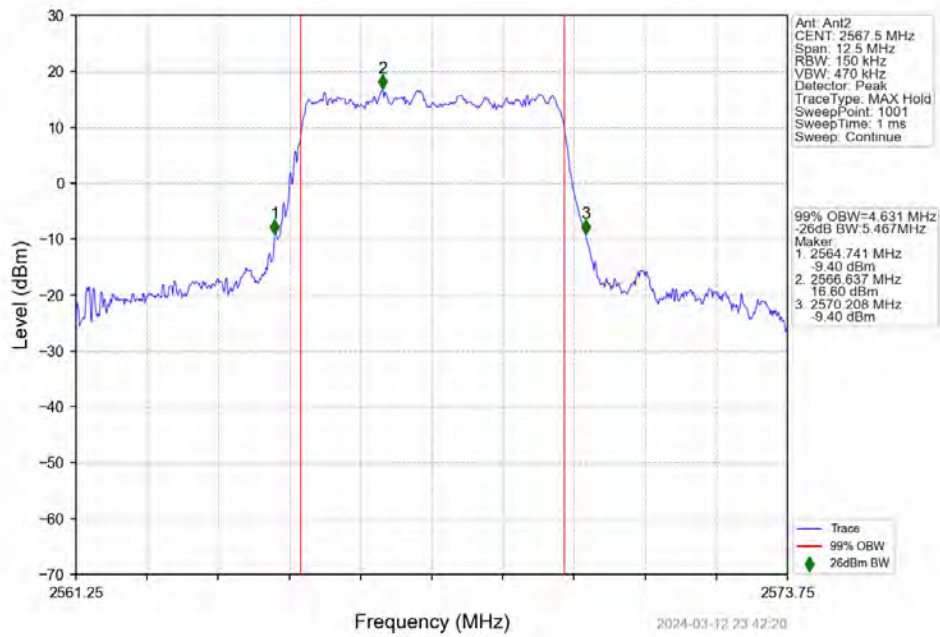
n7 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 2502.5MHz Outer Full



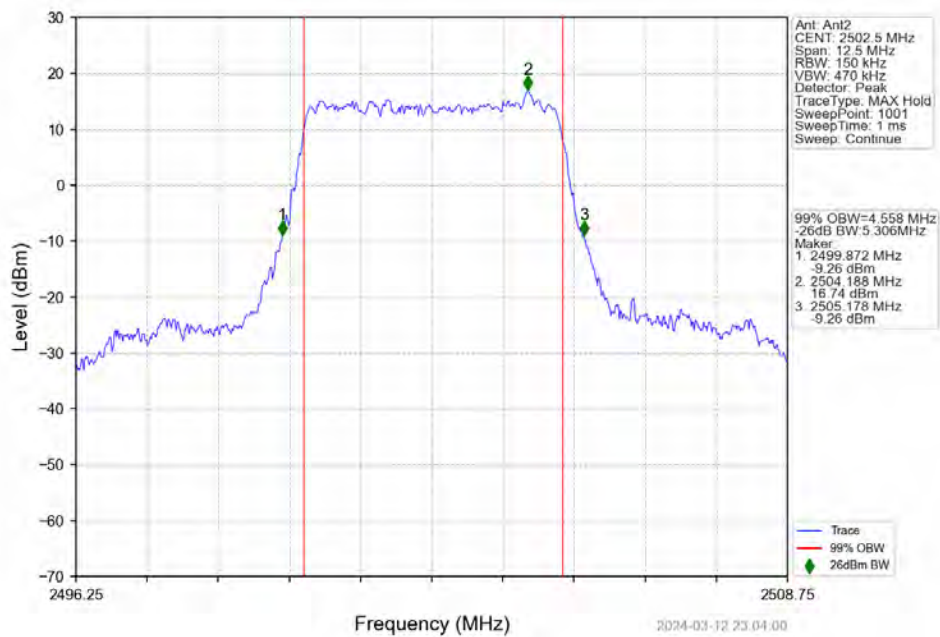
n7 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 2535MHz Outer Full



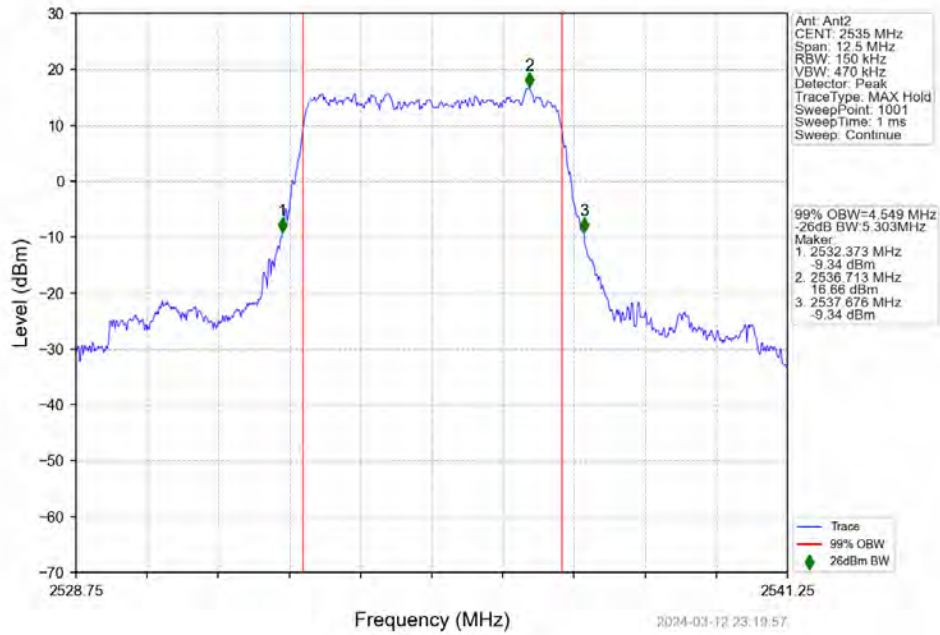
n7 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 2567.5MHz Outer Full



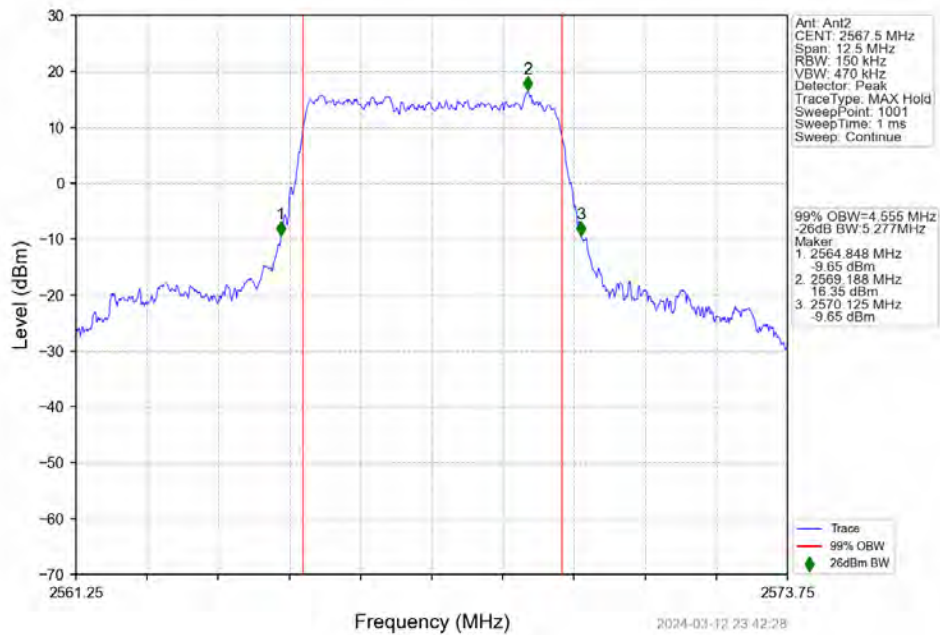
n7 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 2502.5MHz Outer Full



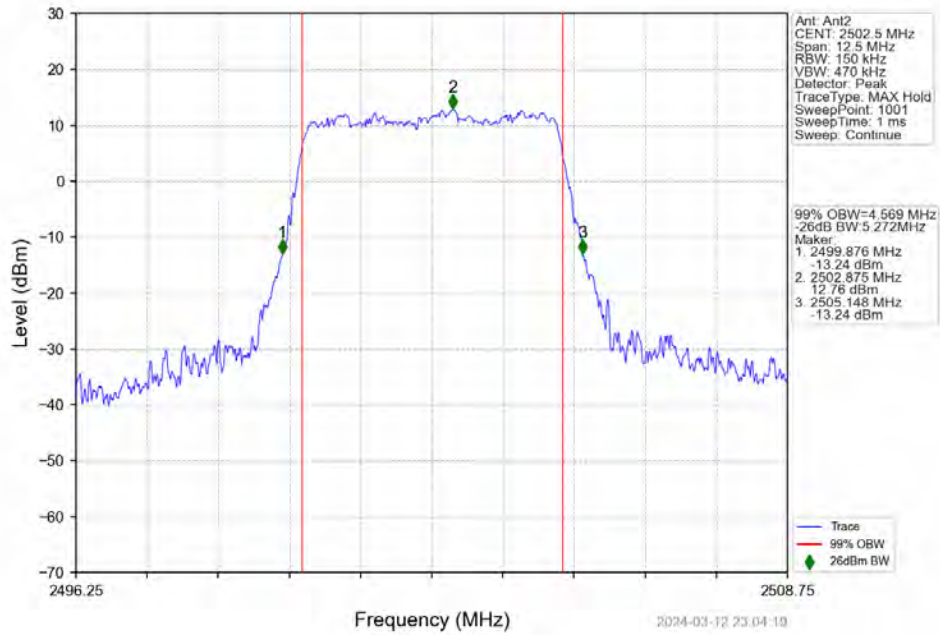
n7 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 2535MHz Outer Full



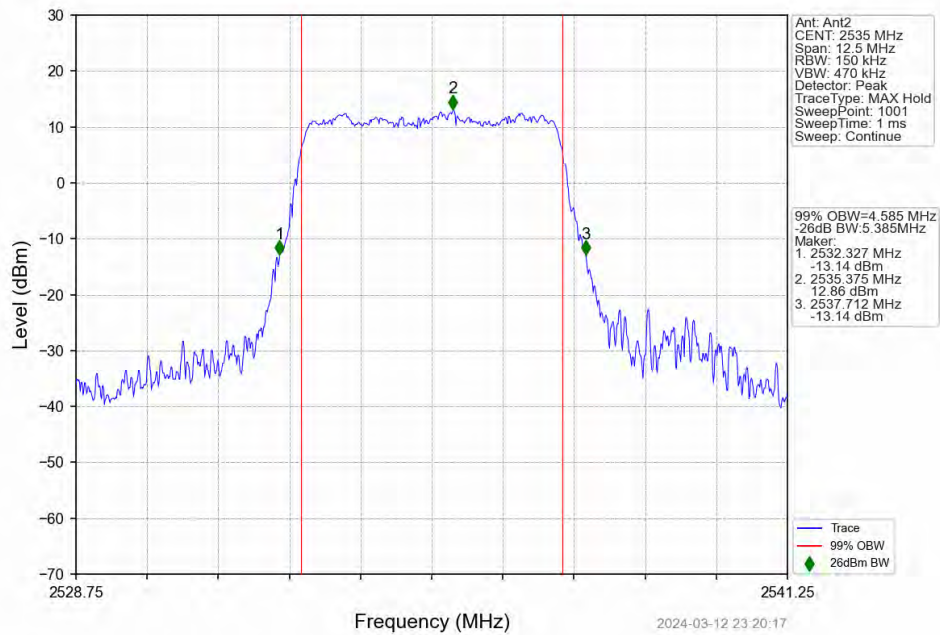
n7 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 2567.5MHz Outer Full

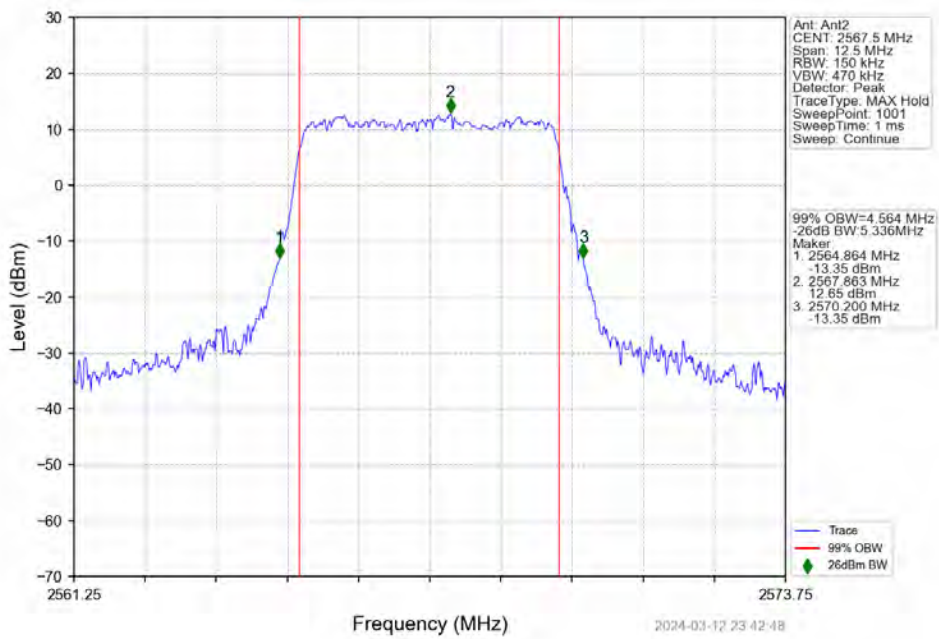


n7 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 2502.5MHz Outer Full



n7 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 2535MHz Outer Full



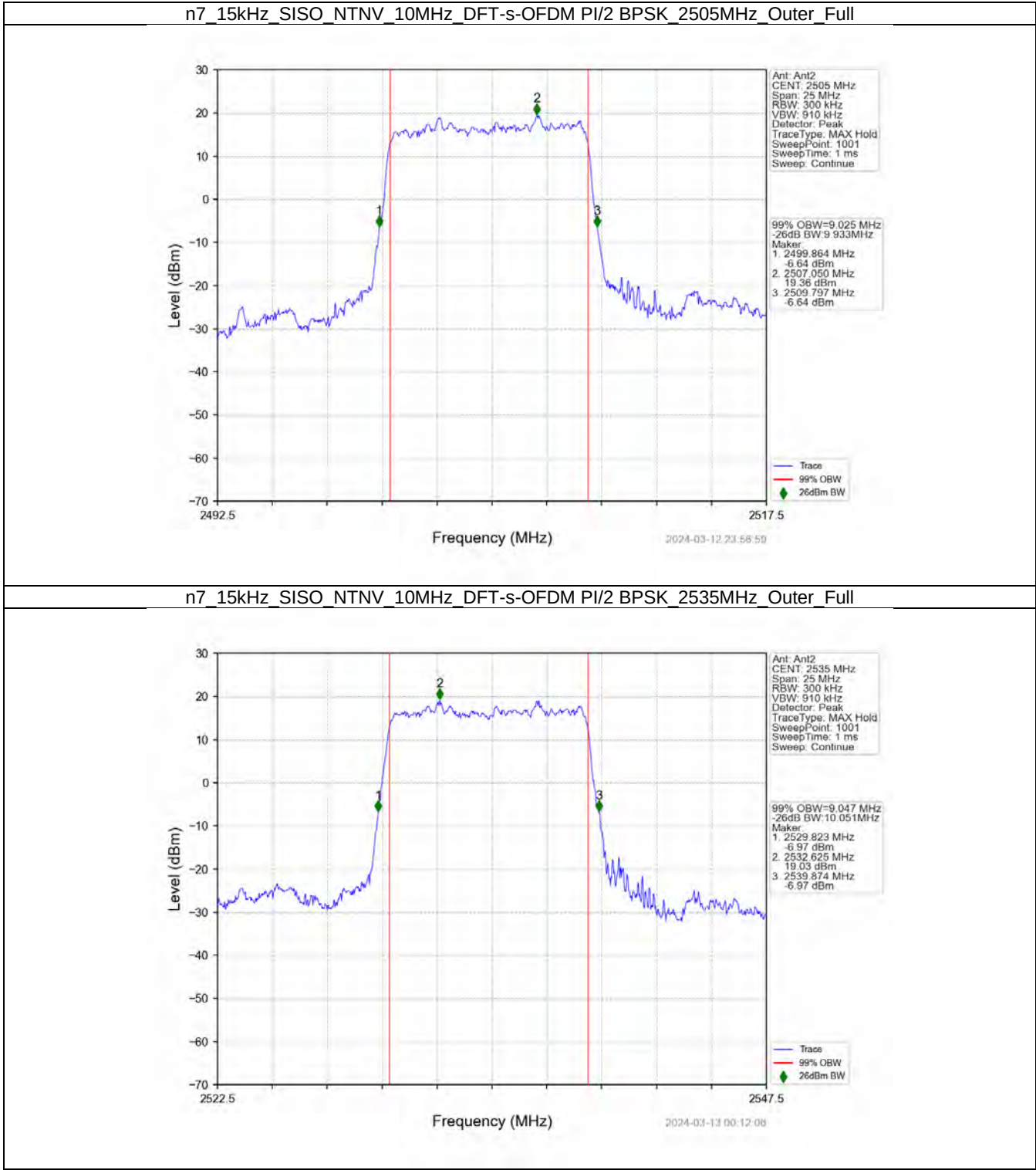


3.2 15k_SISO_10MHz_NTNV

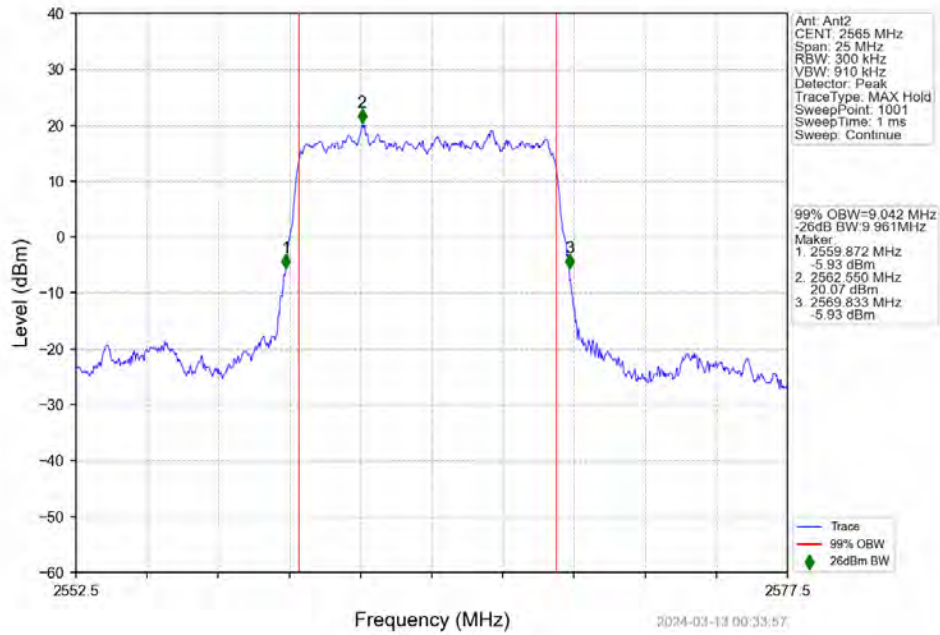
3.2.1 Test Result

5G NR n7 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	2505	Outer_Full	9.03	9.93	/	Pass
	2535	Outer_Full	9.05	10.05	/	Pass
	2565	Outer_Full	9.04	9.96	/	Pass
DFT-s-OFDM QPSK	2505	Outer_Full	9.07	10.03	/	Pass
	2535	Outer_Full	9.07	10.04	/	Pass
	2565	Outer_Full	9.07	10.03	/	Pass
DFT-s-OFDM 16 QAM	2505	Outer_Full	9.06	10.03	/	Pass
	2535	Outer_Full	9.07	10.05	/	Pass
	2565	Outer_Full	9.07	10.03	/	Pass
DFT-s-OFDM 64 QAM	2505	Outer_Full	9.05	10.05	/	Pass
	2535	Outer_Full	9.05	10.04	/	Pass
	2565	Outer_Full	9.05	9.97	/	Pass
DFT-s-OFDM 256 QAM	2505	Outer_Full	9.06	9.96	/	Pass
	2535	Outer_Full	9.05	10.02	/	Pass
	2565	Outer_Full	9.07	10.12	/	Pass
CP-OFDM QPSK	2505	Outer_Full	9.40	10.50	/	Pass
	2535	Outer_Full	9.41	10.50	/	Pass
	2565	Outer_Full	9.41	10.43	/	Pass
CP-OFDM 16 QAM	2505	Outer_Full	9.39	10.44	/	Pass
	2535	Outer_Full	9.40	10.41	/	Pass
	2565	Outer_Full	9.43	10.46	/	Pass
CP-OFDM 64 QAM	2505	Outer_Full	9.38	10.42	/	Pass
	2535	Outer_Full	9.36	10.40	/	Pass
	2565	Outer_Full	9.38	10.35	/	Pass
CP-OFDM 256 QAM	2505	Outer_Full	9.40	10.43	/	Pass
	2535	Outer_Full	9.42	10.43	/	Pass
	2565	Outer_Full	9.40	10.38	/	Pass

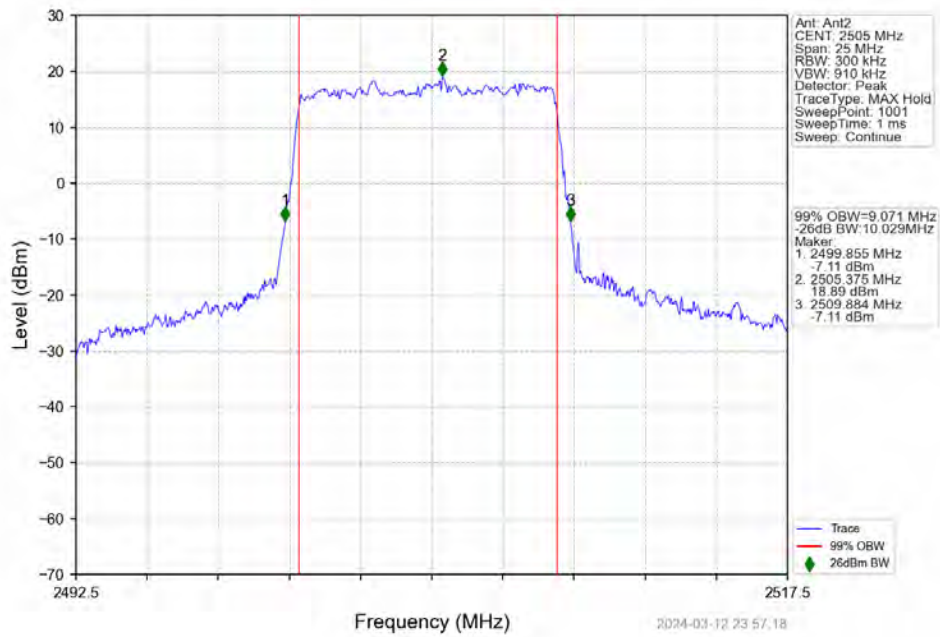
3.2.2 Test Graph



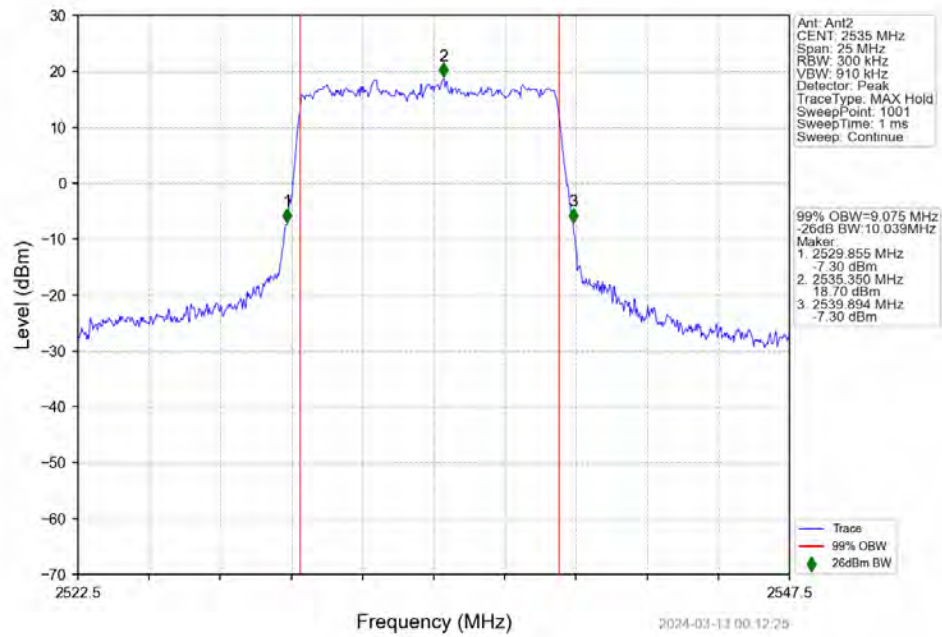
n7 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 2565MHz Outer Full



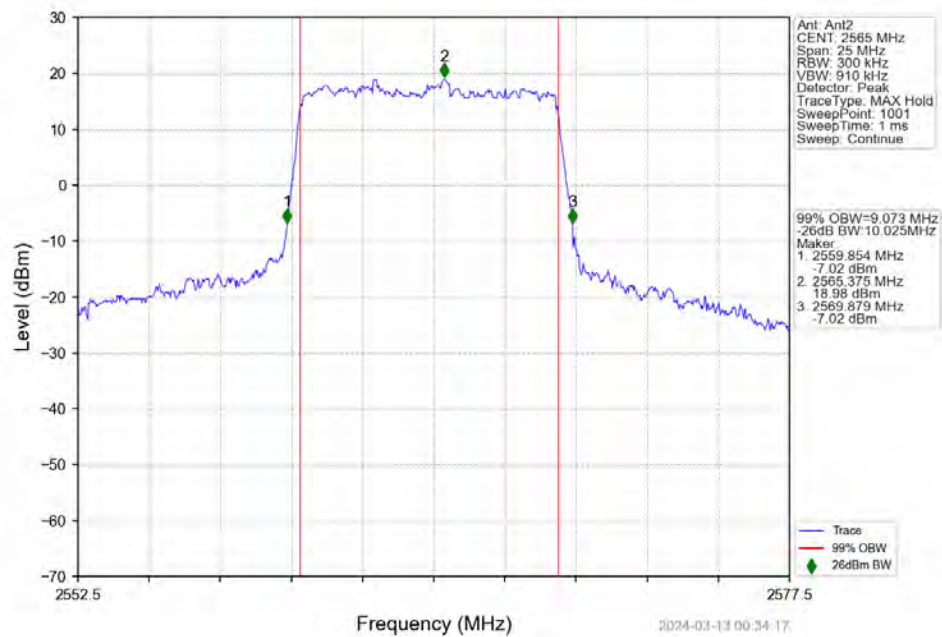
n7 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 2505MHz Outer Full



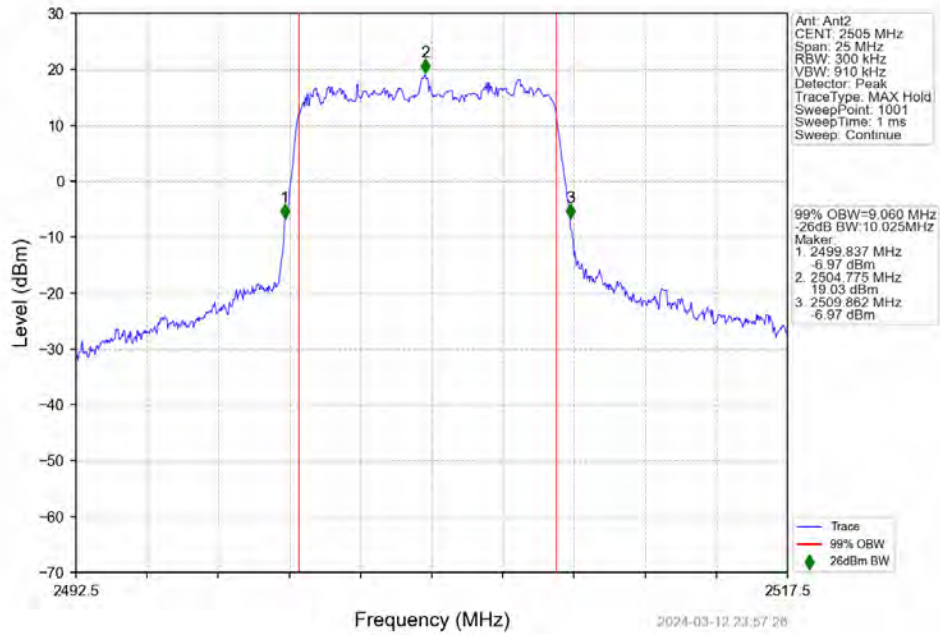
n7 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 2535MHz Outer Full



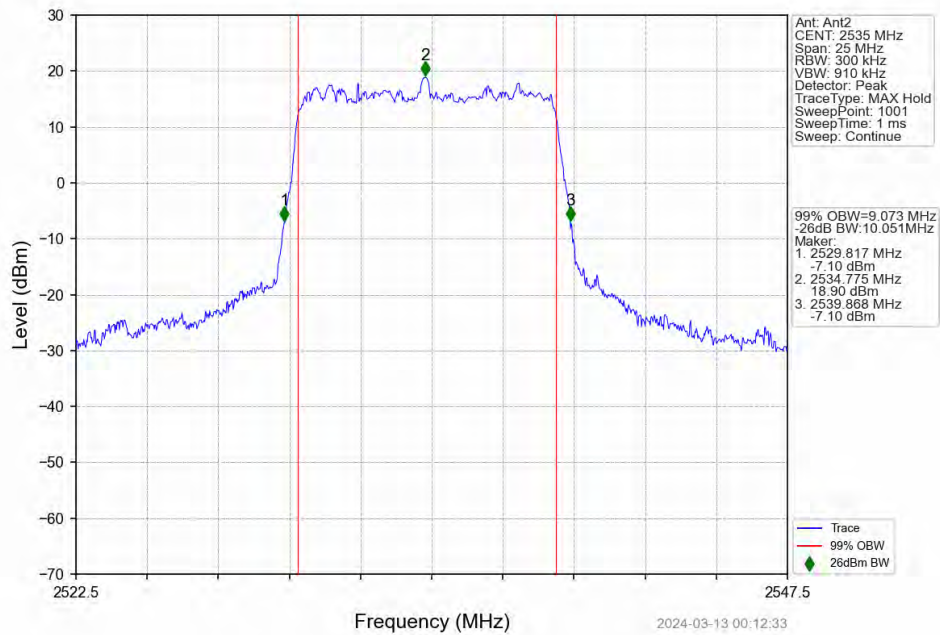
n7 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 2565MHz Outer Full



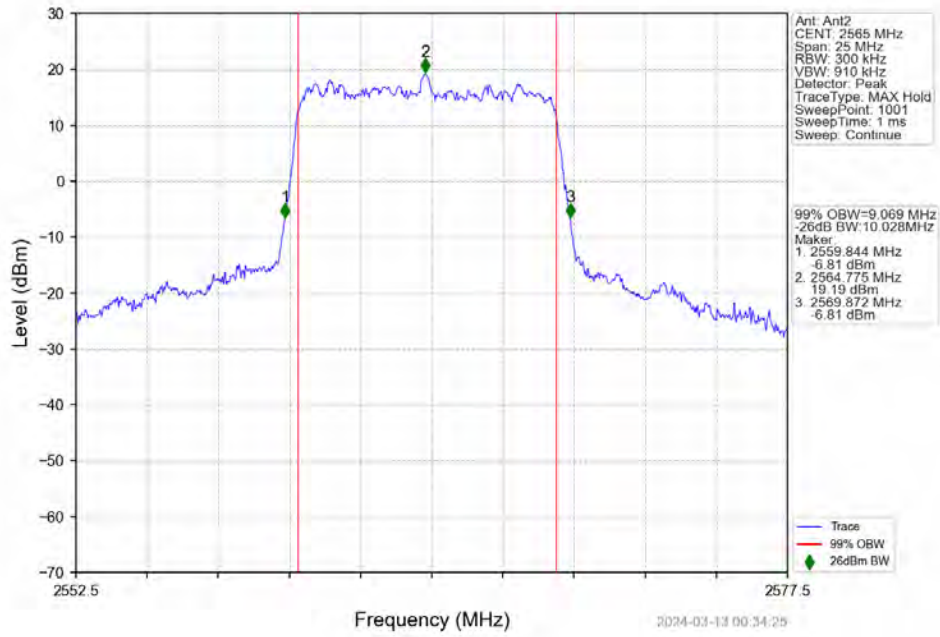
n7 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 2505MHz Outer Full



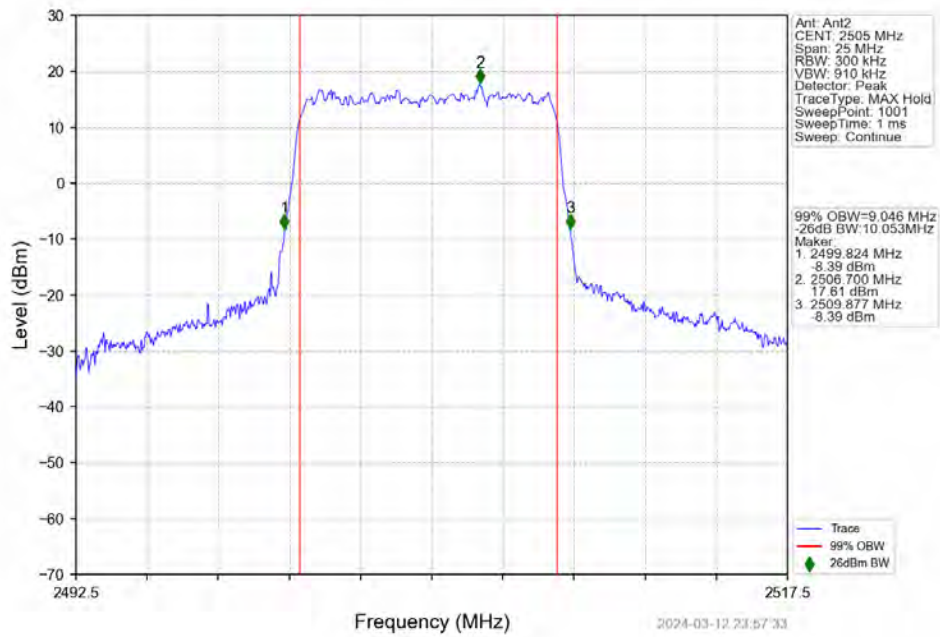
n7 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 2535MHz Outer Full



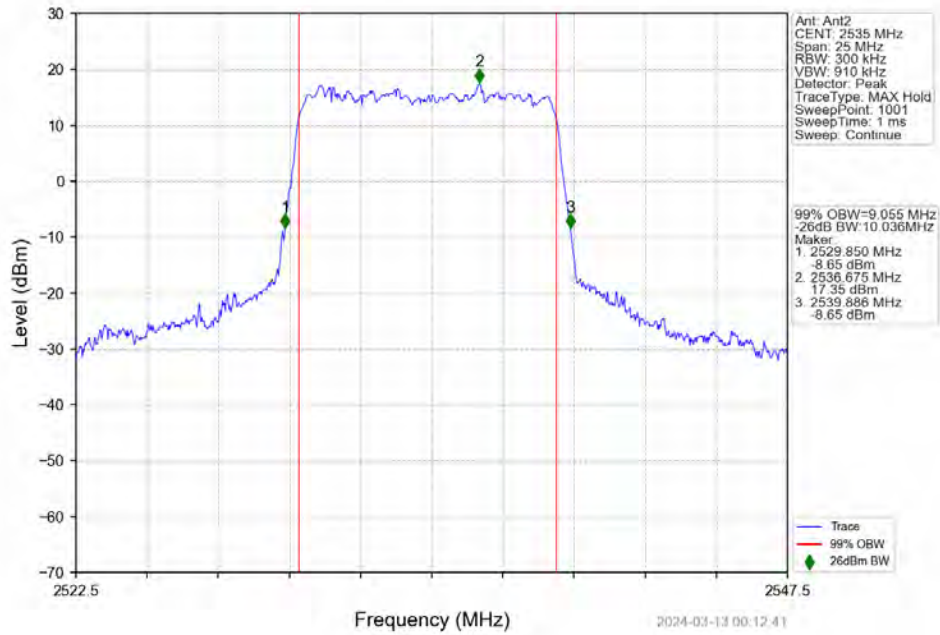
n7 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 2565MHz Outer Full



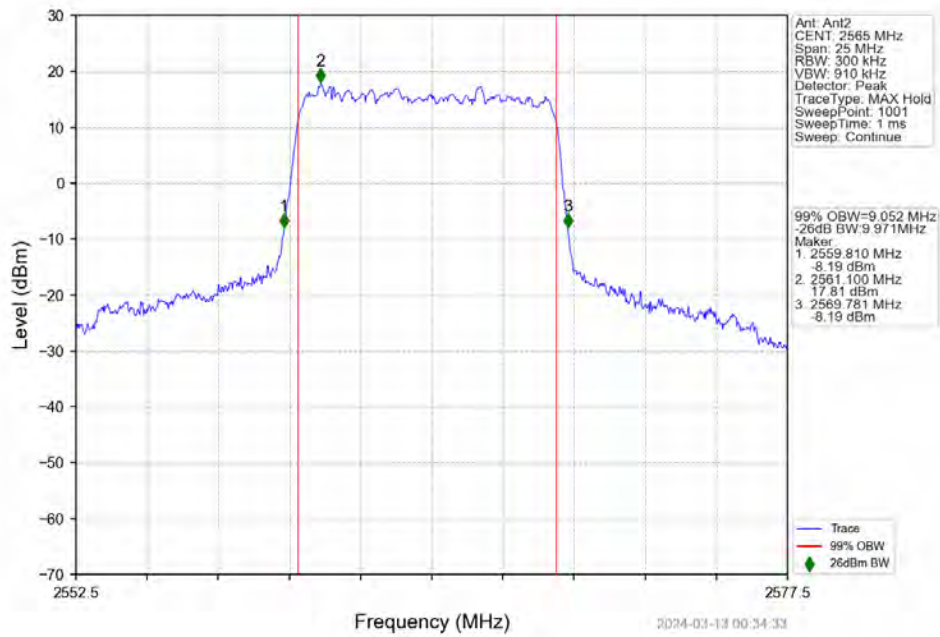
n7 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 2505MHz Outer Full



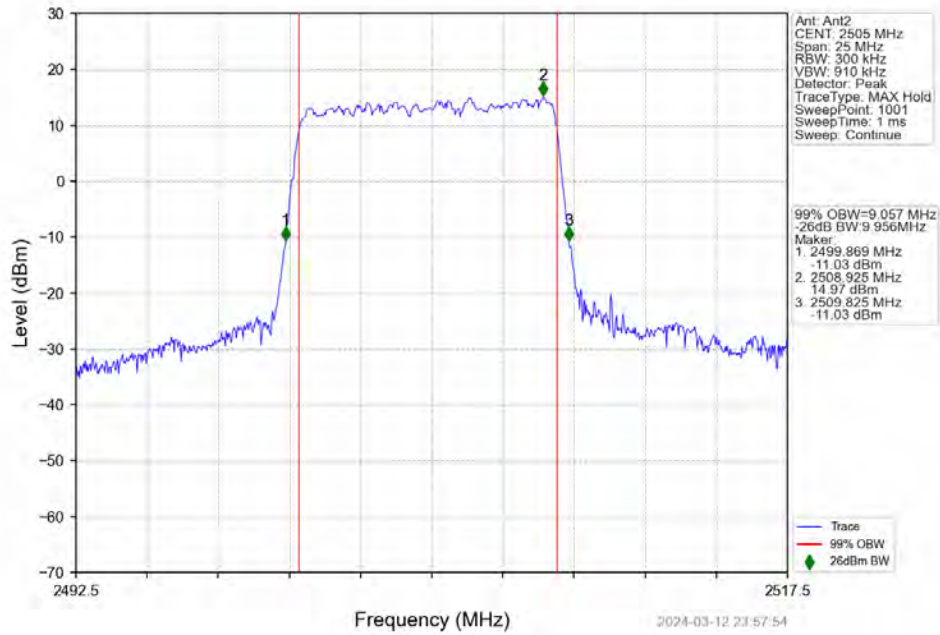
n7 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 2535MHz Outer Full



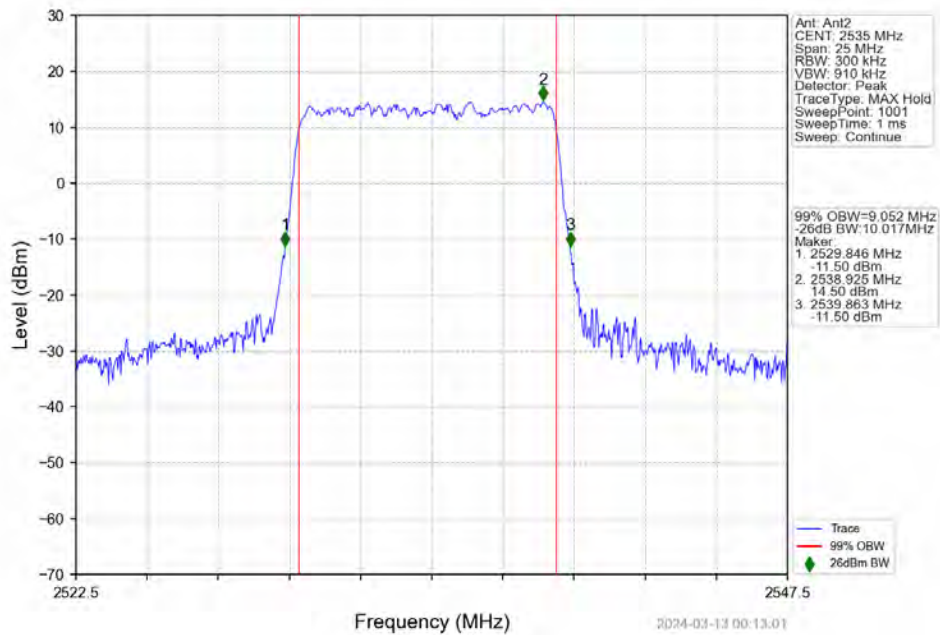
n7 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 2565MHz Outer Full



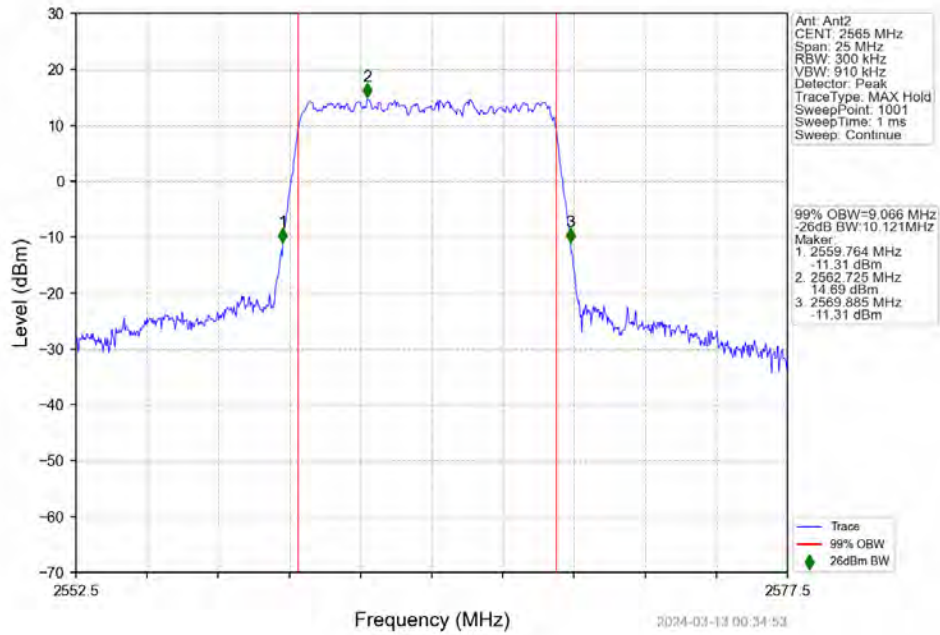
n7 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 2505MHz Outer Full



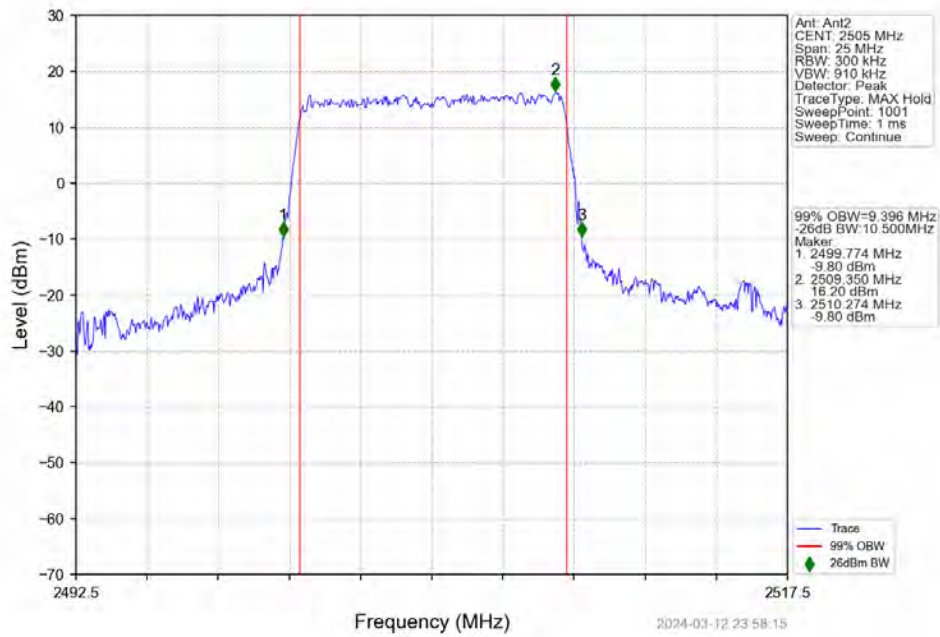
n7 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 2535MHz Outer Full



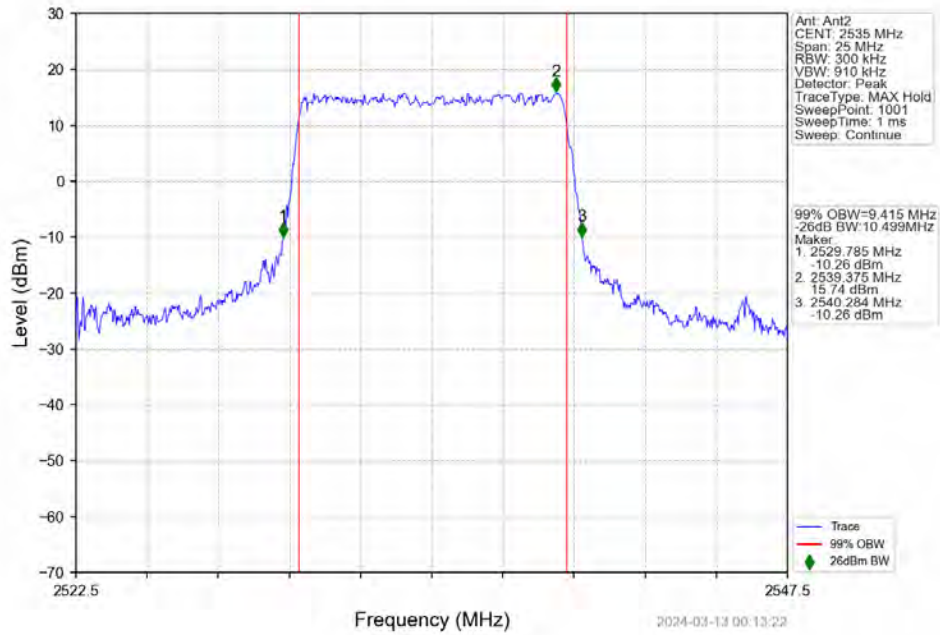
n7 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 2565MHz Outer Full



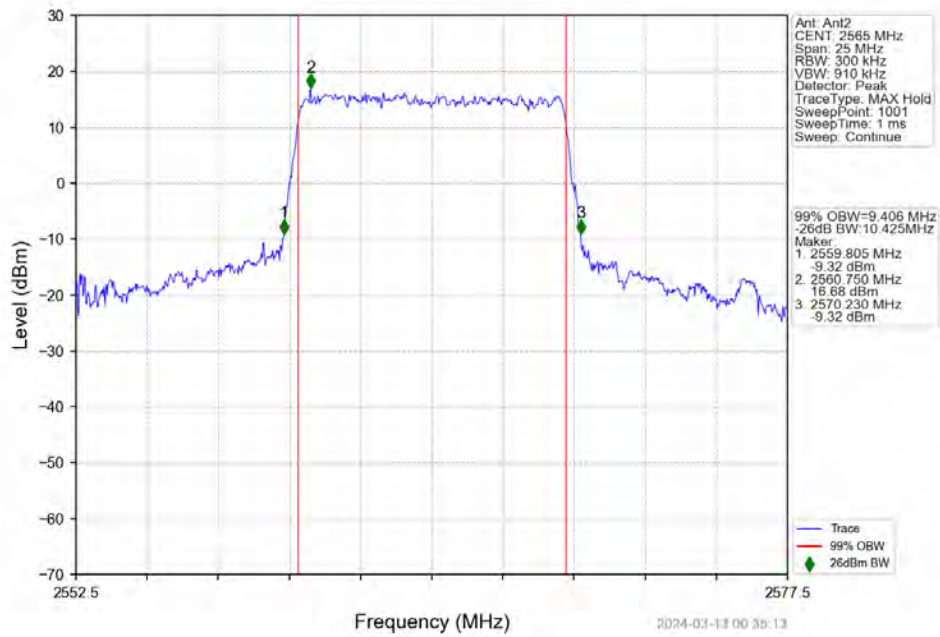
n7 15kHz SISO NTN 10MHz CP-OFDM QPSK 2505MHz Outer Full



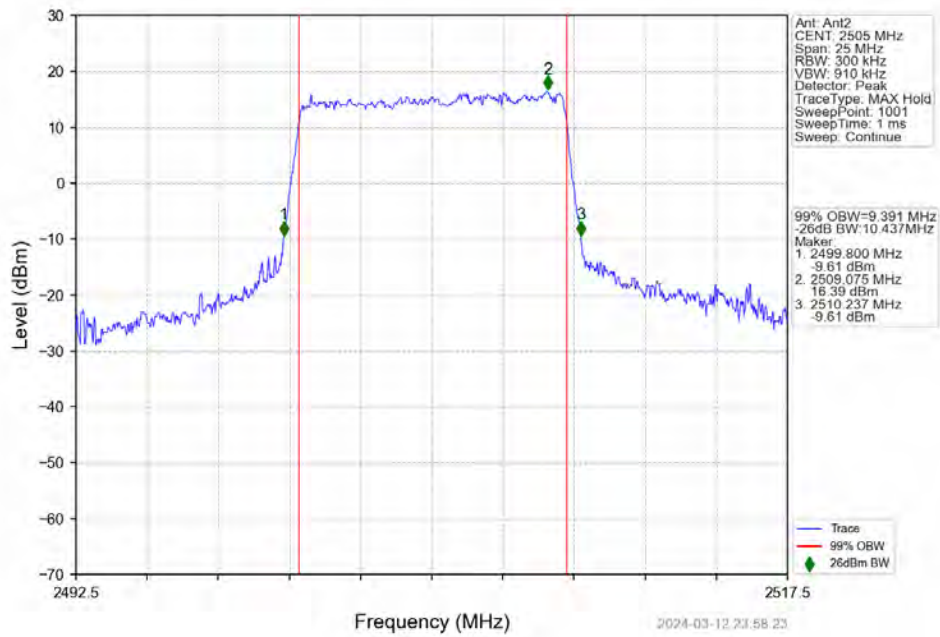
n7 15kHz SISO NTN 10MHz CP-OFDM QPSK 2535MHz Outer Full



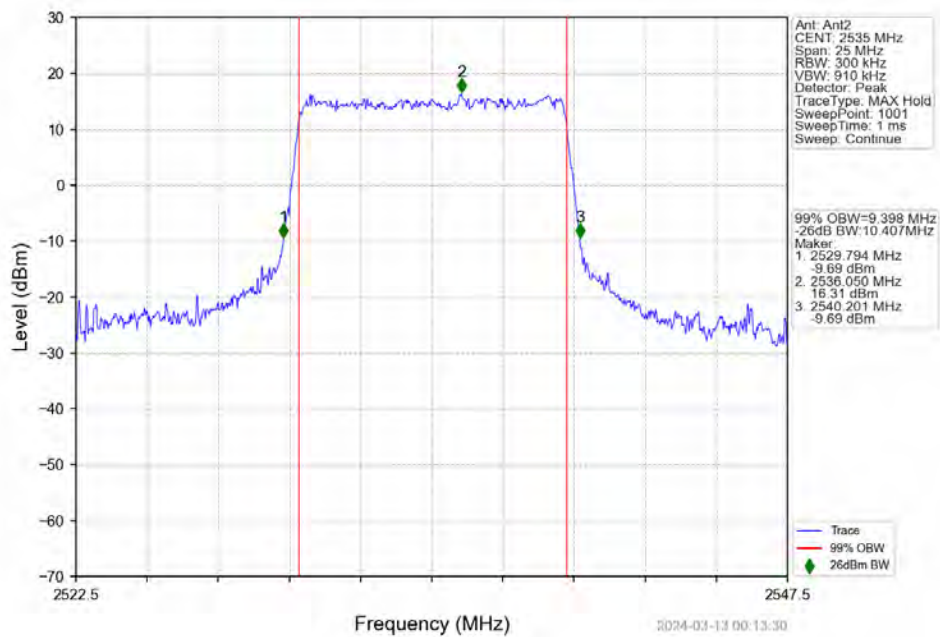
n7 15kHz SISO NTN 10MHz CP-OFDM QPSK 2565MHz Outer Full



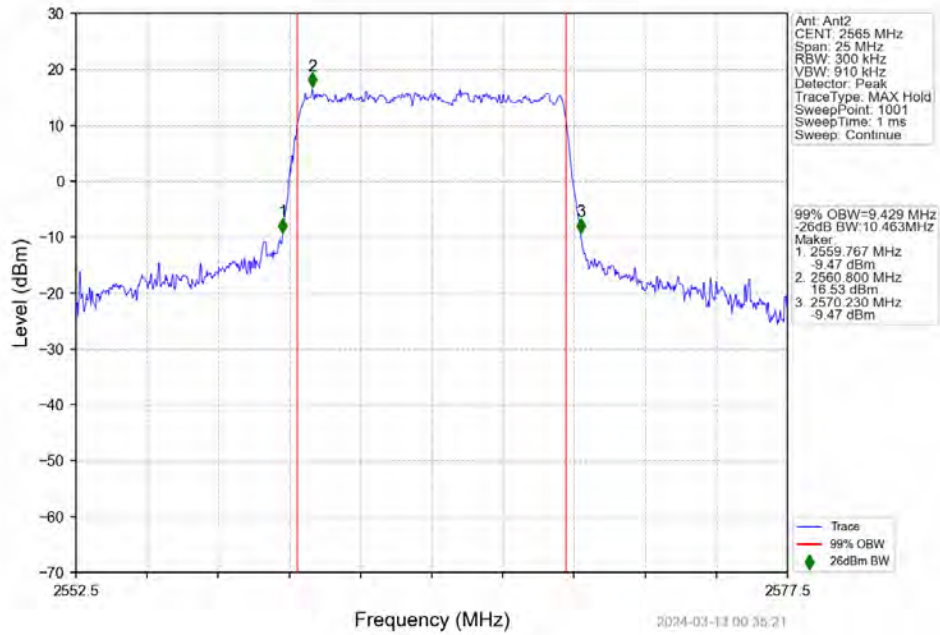
n7 15kHz SISO NTV 10MHz CP-OFDM 16 QAM 2505MHz Outer Full



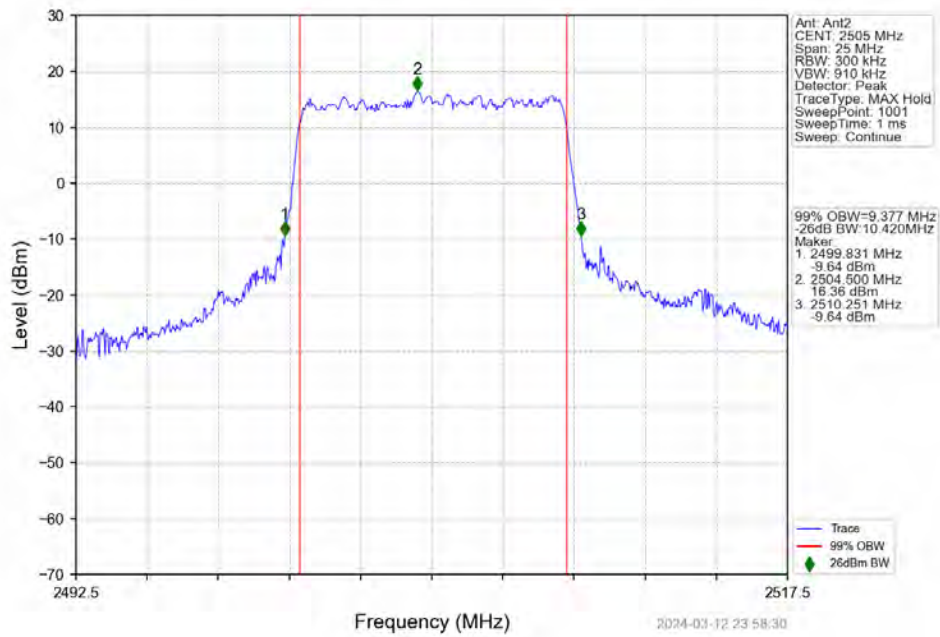
n7 15kHz SISO NTV 10MHz CP-OFDM 16 QAM 2535MHz Outer Full



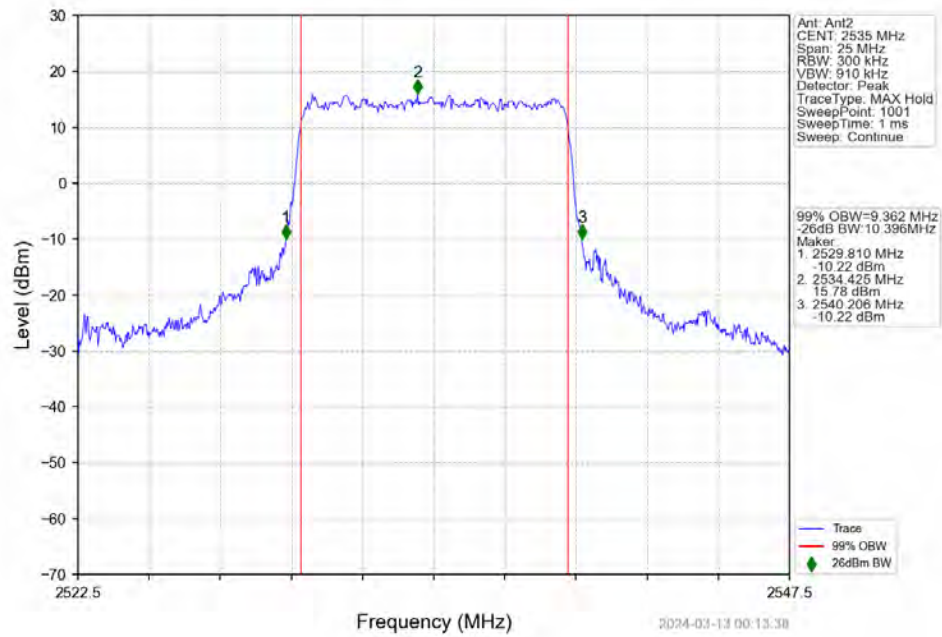
n7 15kHz SISO NTV 10MHz CP-OFDM 16 QAM 2565MHz Outer Full



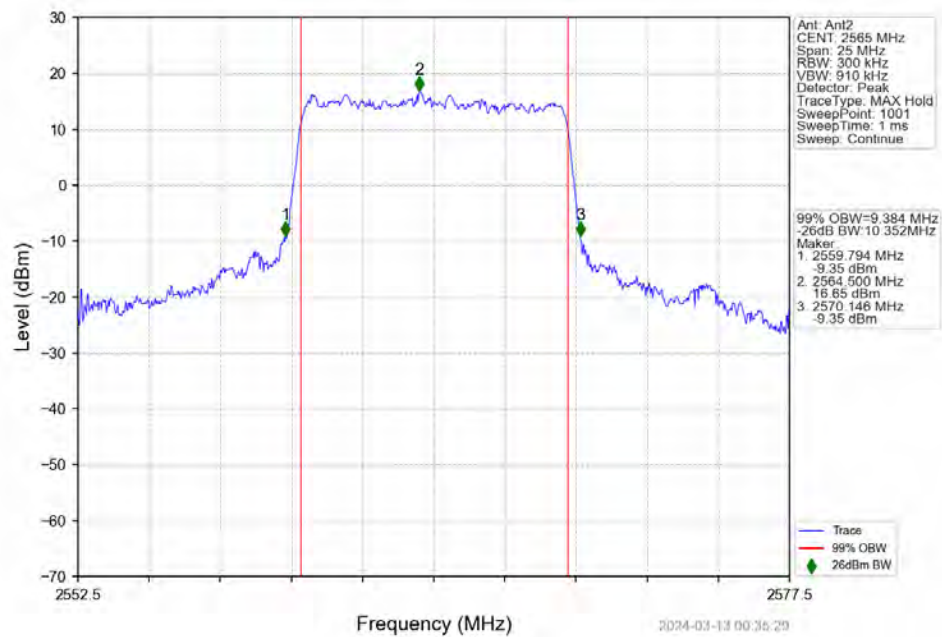
n7 15kHz SISO NTV 10MHz CP-OFDM 64 QAM 2505MHz Outer Full



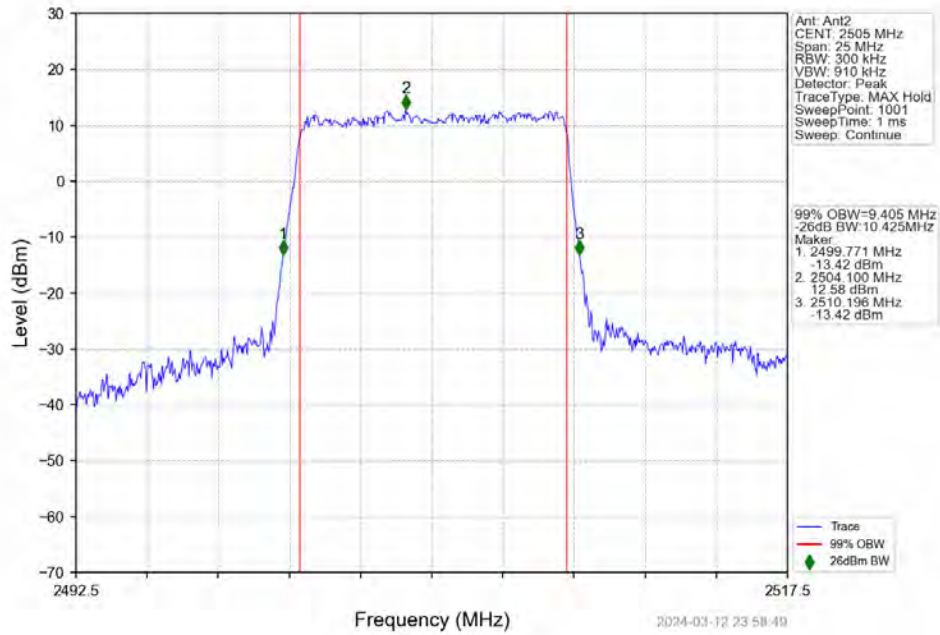
n7 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 2535MHz Outer Full



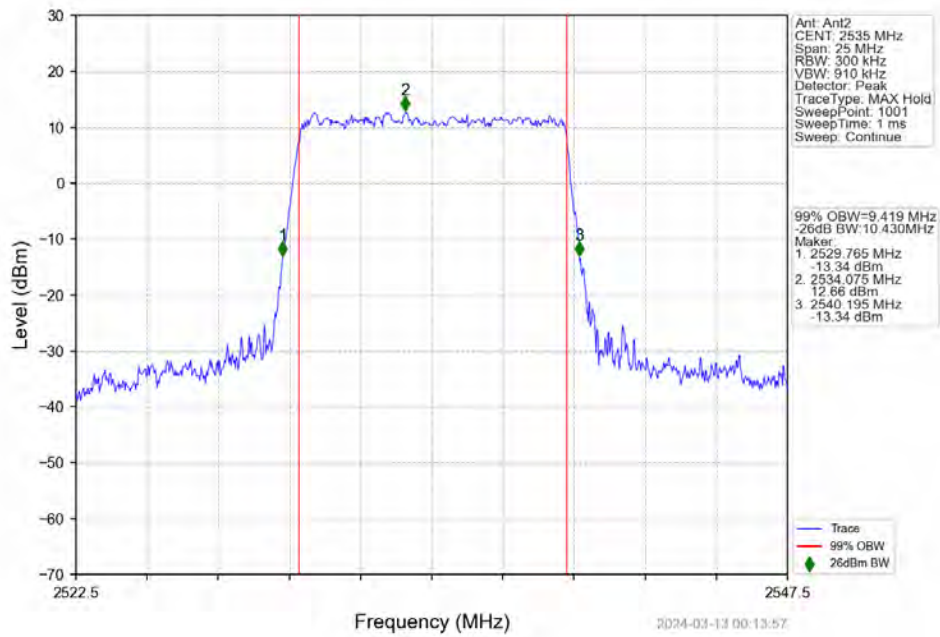
n7 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 2565MHz Outer Full



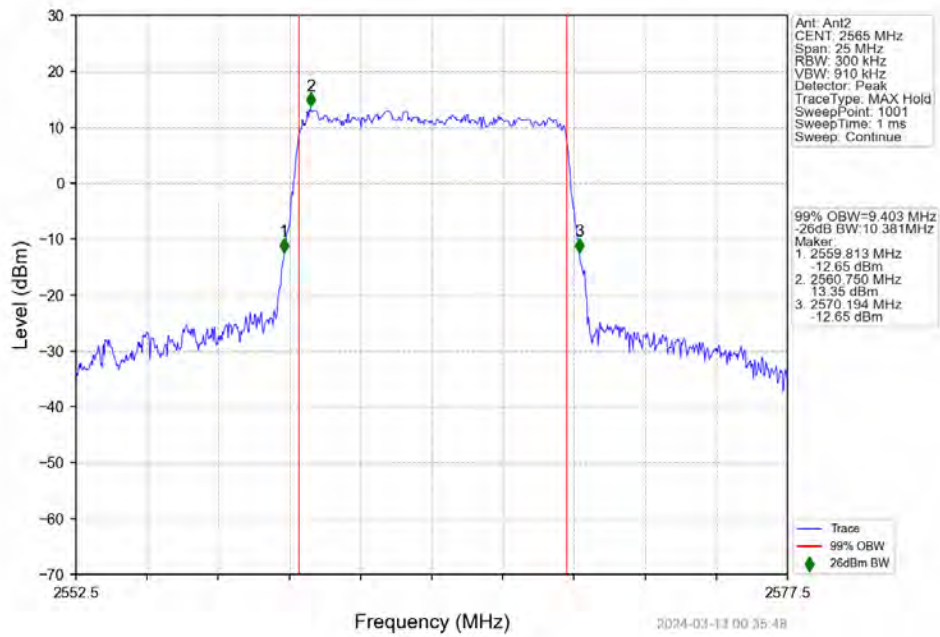
n7 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 2505MHz Outer Full



n7 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 2535MHz Outer Full



n7 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 2565MHz Outer Full

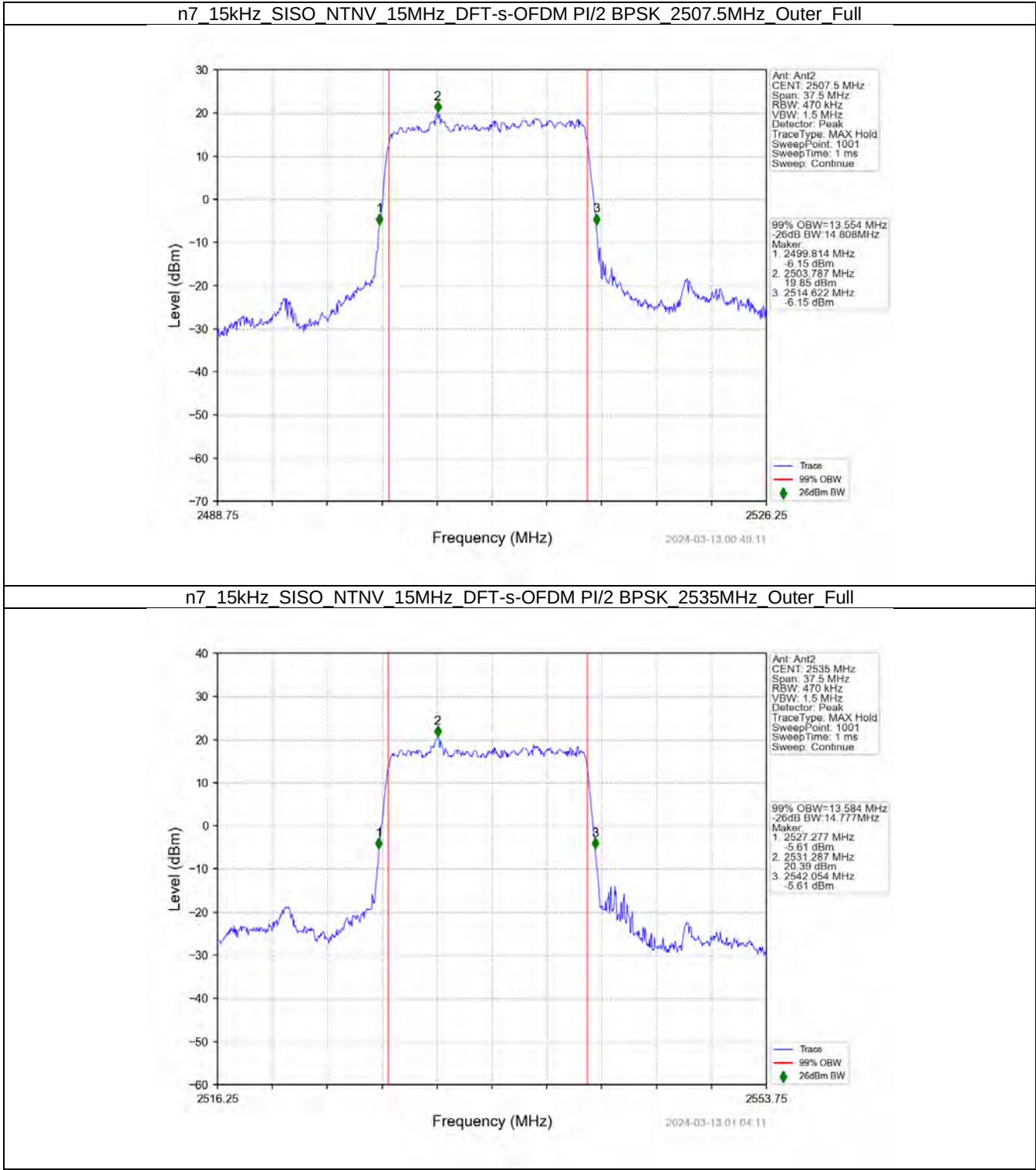


3.3 15k_SISO_15MHz_NTNV

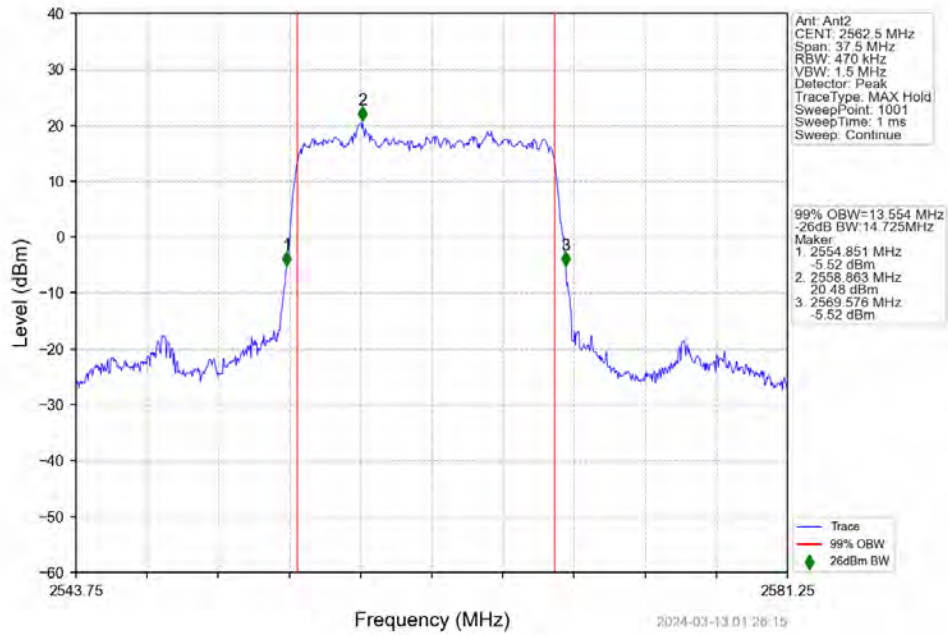
3.3.1 Test Result

5G NR n7 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	2507.5	Outer_Full	13.55	14.81	/	Pass
	2535	Outer_Full	13.58	14.78	/	Pass
	2562.5	Outer_Full	13.55	14.72	/	Pass
DFT-s-OFDM QPSK	2507.5	Outer_Full	13.59	14.69	/	Pass
	2535	Outer_Full	13.62	14.80	/	Pass
	2562.5	Outer_Full	13.59	14.97	/	Pass
DFT-s-OFDM 16 QAM	2507.5	Outer_Full	13.64	14.82	/	Pass
	2535	Outer_Full	13.66	14.89	/	Pass
	2562.5	Outer_Full	13.64	14.92	/	Pass
DFT-s-OFDM 64 QAM	2507.5	Outer_Full	13.53	14.73	/	Pass
	2535	Outer_Full	13.55	14.82	/	Pass
	2562.5	Outer_Full	13.56	14.78	/	Pass
DFT-s-OFDM 256 QAM	2507.5	Outer_Full	13.57	14.86	/	Pass
	2535	Outer_Full	13.60	14.79	/	Pass
	2562.5	Outer_Full	13.58	14.78	/	Pass
CP-OFDM QPSK	2507.5	Outer_Full	14.27	15.46	/	Pass
	2535	Outer_Full	14.31	15.61	/	Pass
	2562.5	Outer_Full	14.29	15.53	/	Pass
CP-OFDM 16 QAM	2507.5	Outer_Full	14.29	15.49	/	Pass
	2535	Outer_Full	14.29	15.60	/	Pass
	2562.5	Outer_Full	14.28	15.55	/	Pass
CP-OFDM 64 QAM	2507.5	Outer_Full	14.31	15.56	/	Pass
	2535	Outer_Full	14.32	15.65	/	Pass
	2562.5	Outer_Full	14.31	15.53	/	Pass
CP-OFDM 256 QAM	2507.5	Outer_Full	14.24	15.52	/	Pass
	2535	Outer_Full	14.27	15.59	/	Pass
	2562.5	Outer_Full	14.25	15.72	/	Pass

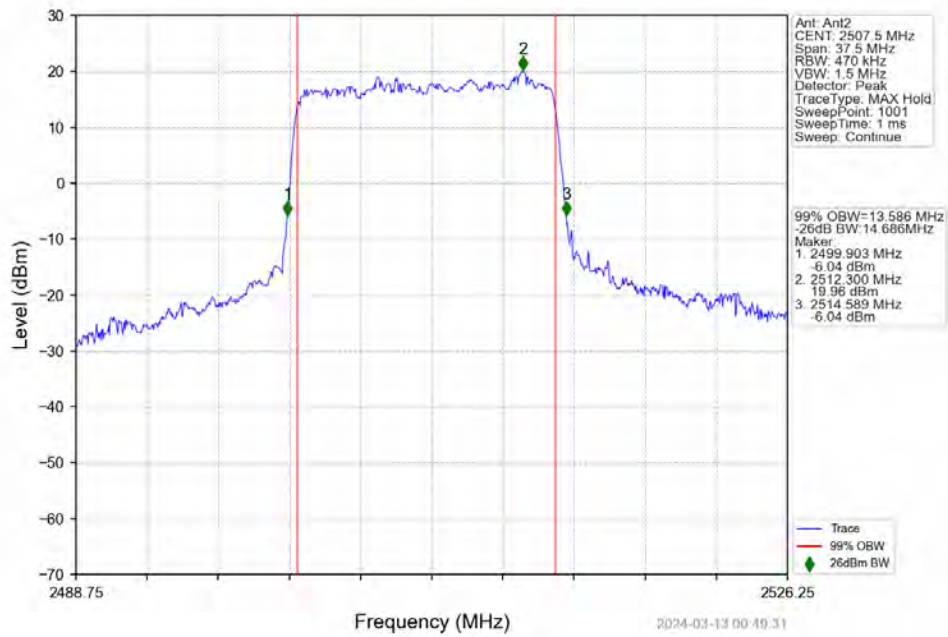
3.3.2 Test Graph



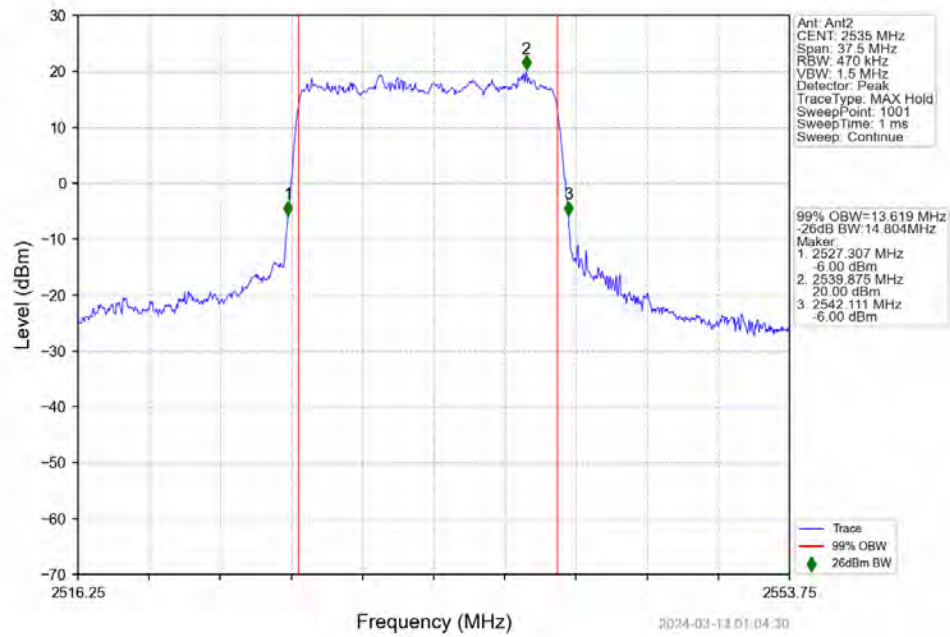
n7 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 2562.5MHz Outer Full



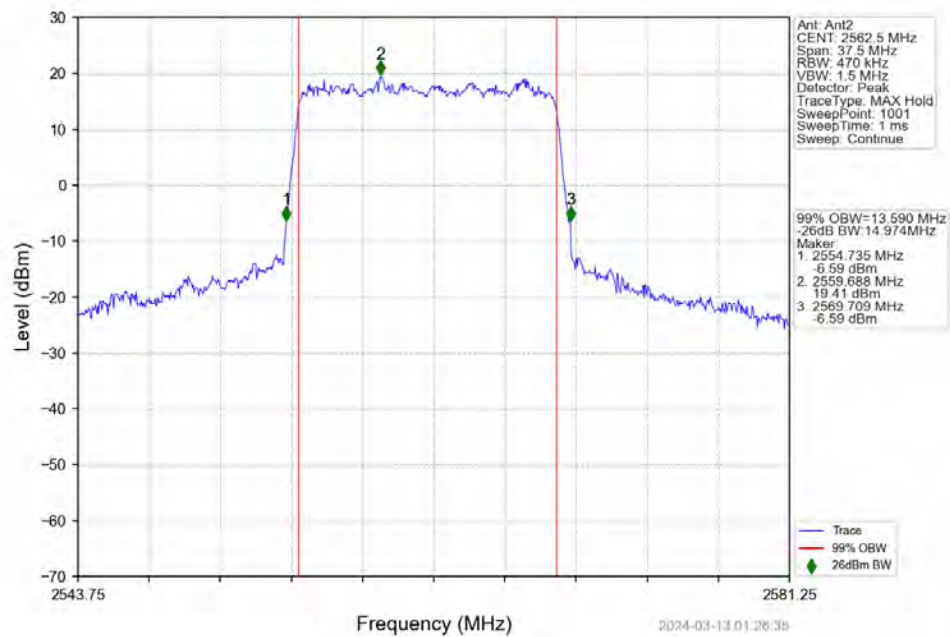
n7 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 2507.5MHz Outer Full



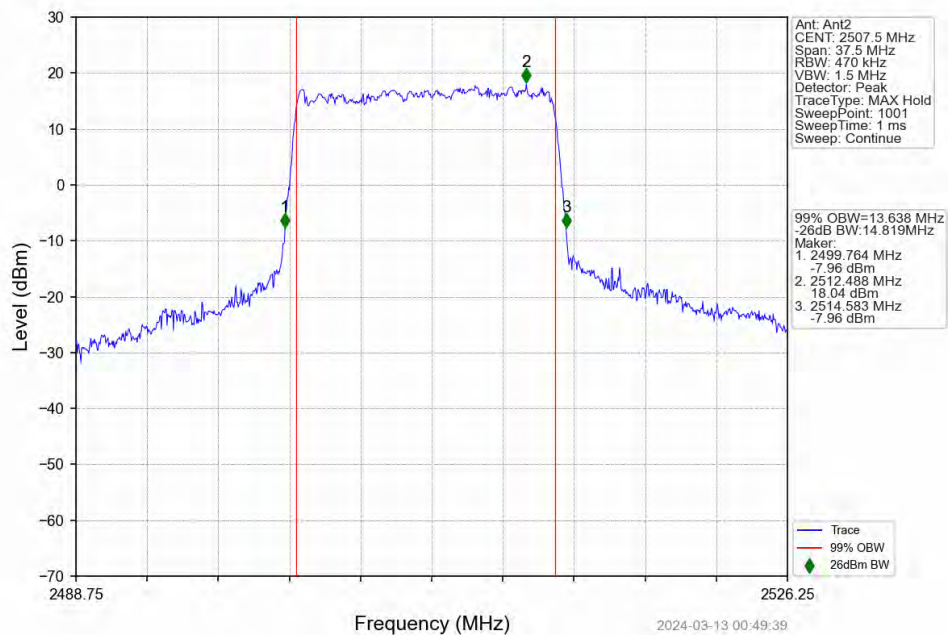
n7 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 2535MHz Outer Full



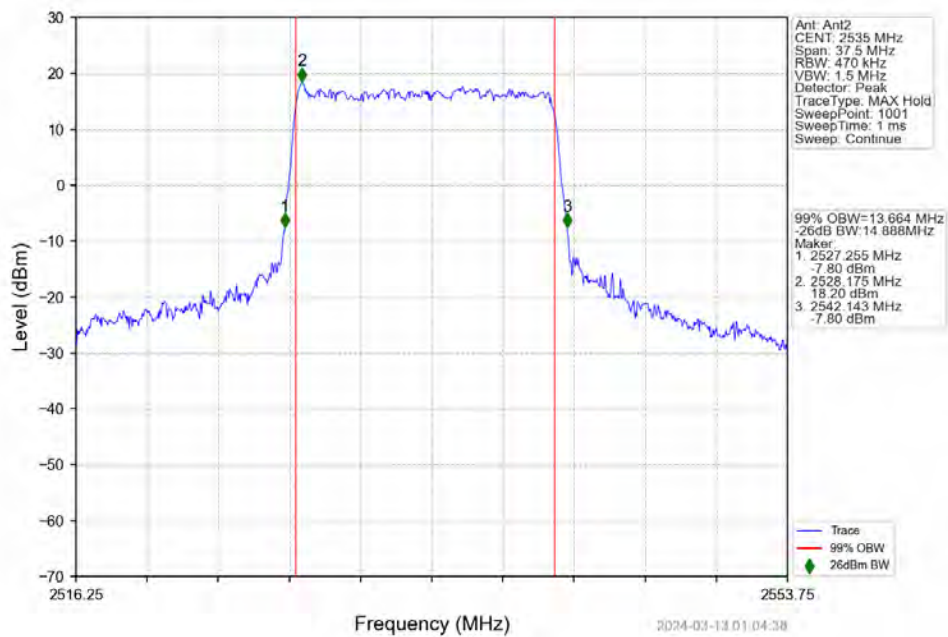
n7 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 2562.5MHz Outer Full



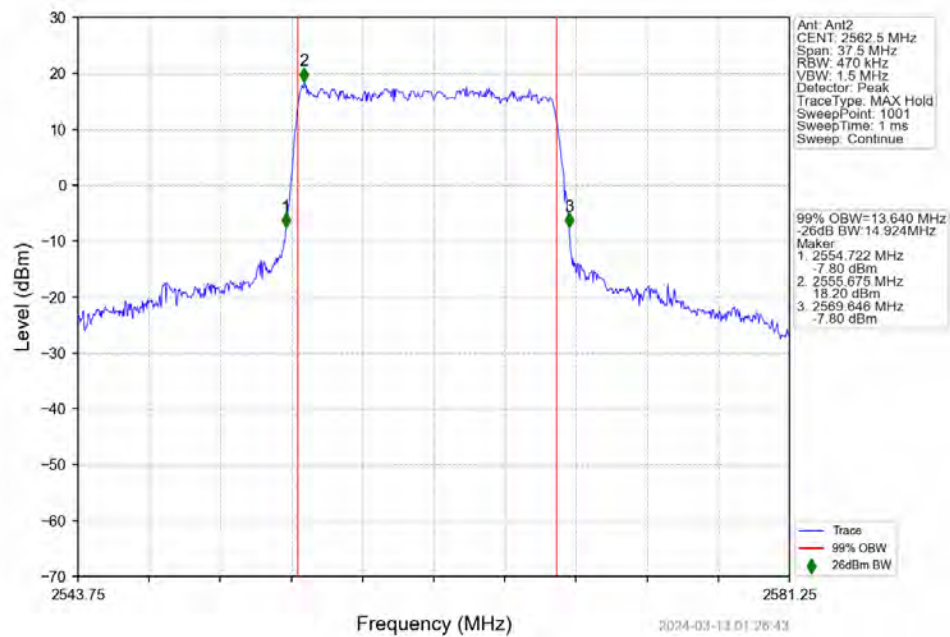
n7 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 2507.5MHz Outer Full



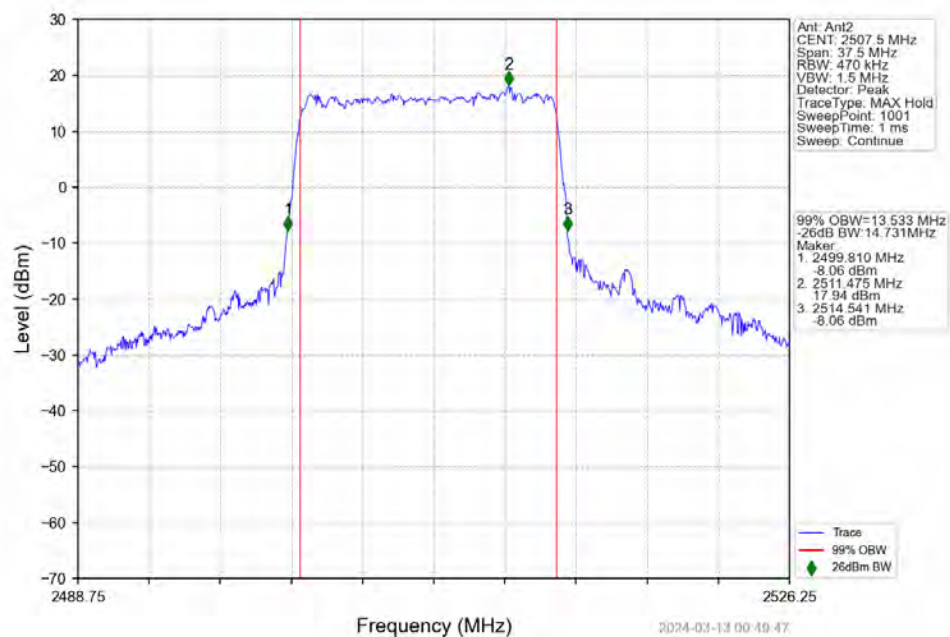
n7 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 2535MHz Outer Full



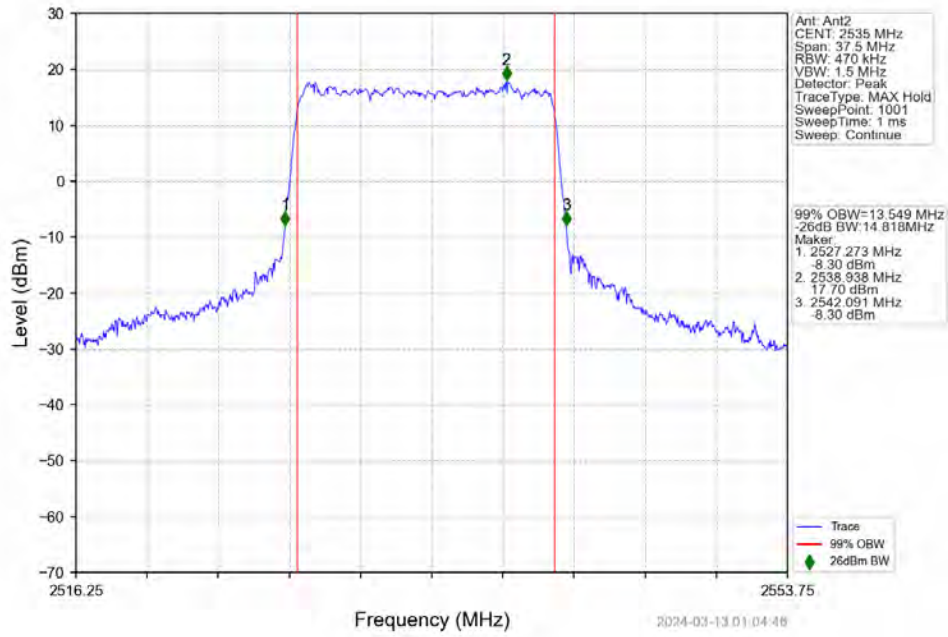
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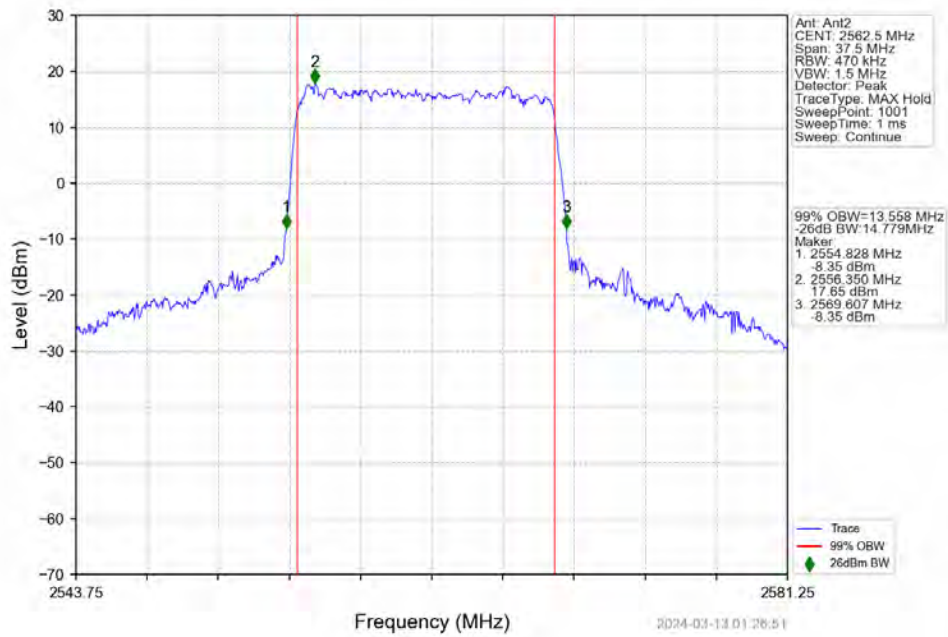
n7 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 2507.5MHz Outer Full



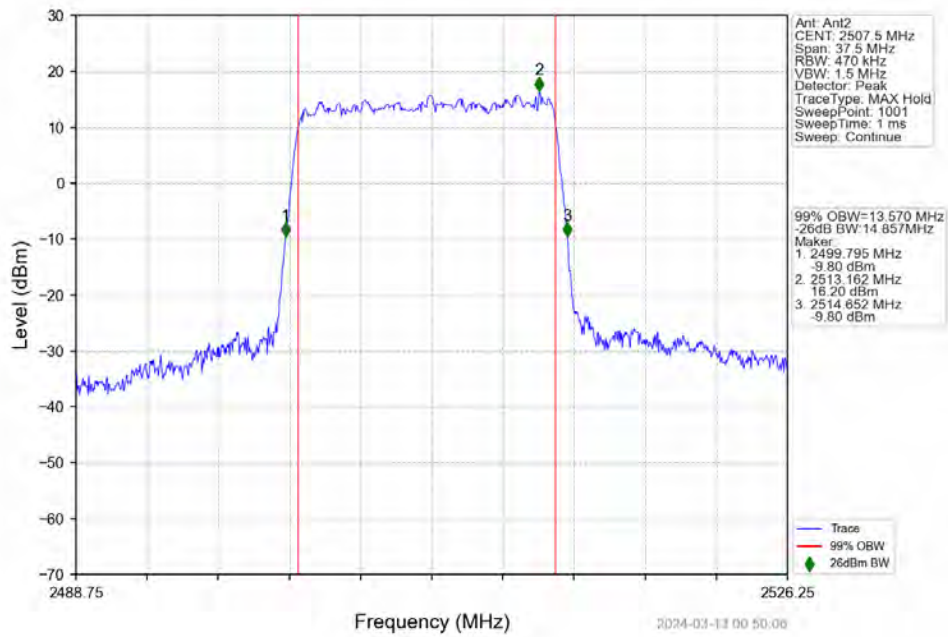
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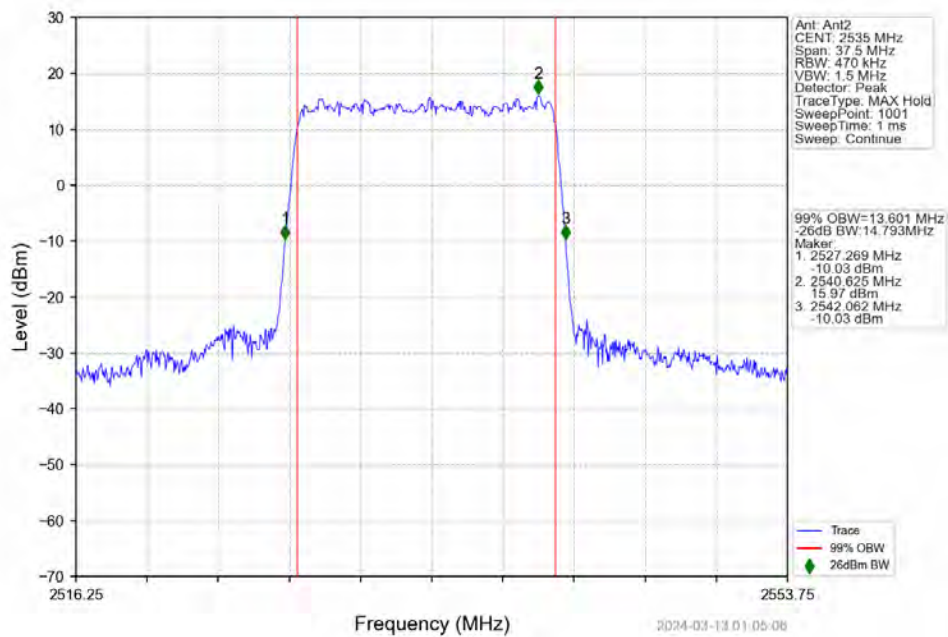
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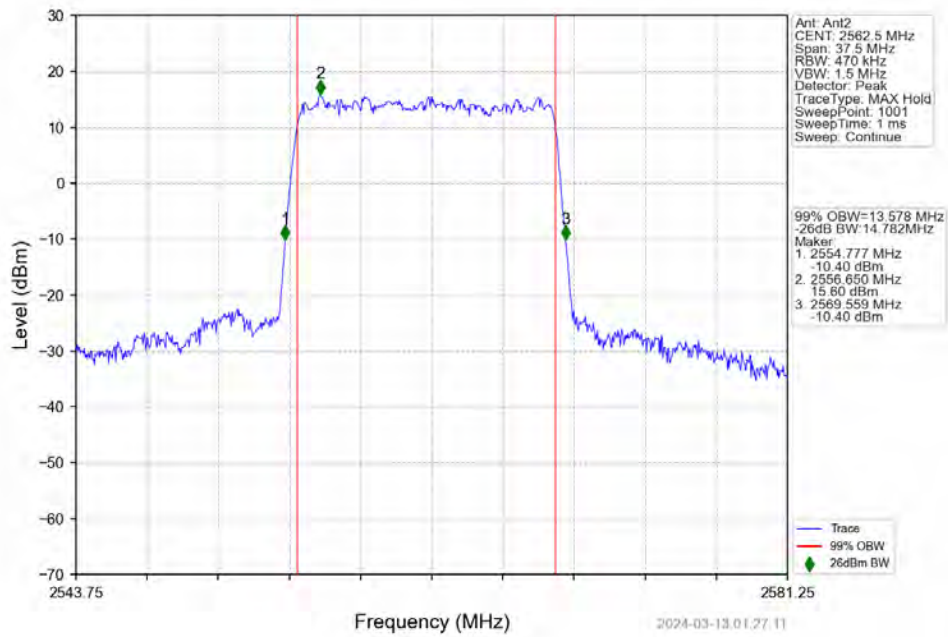
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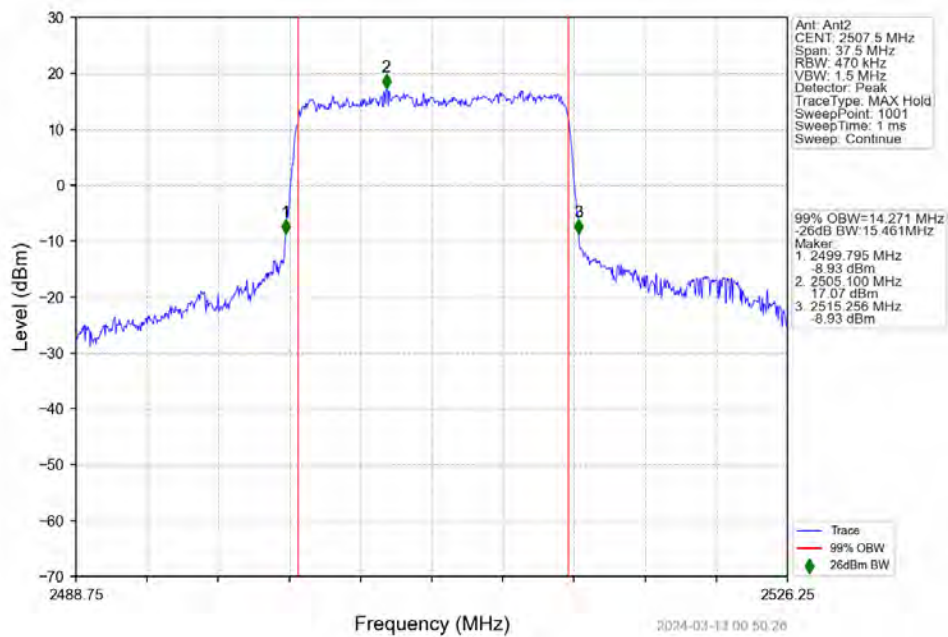
n7 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 2535MHz Outer Full



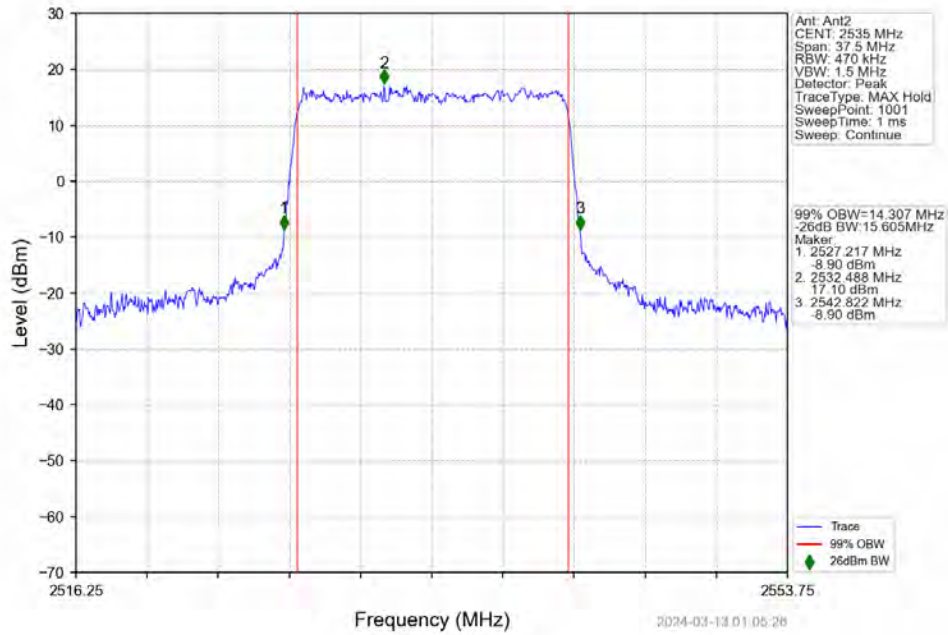
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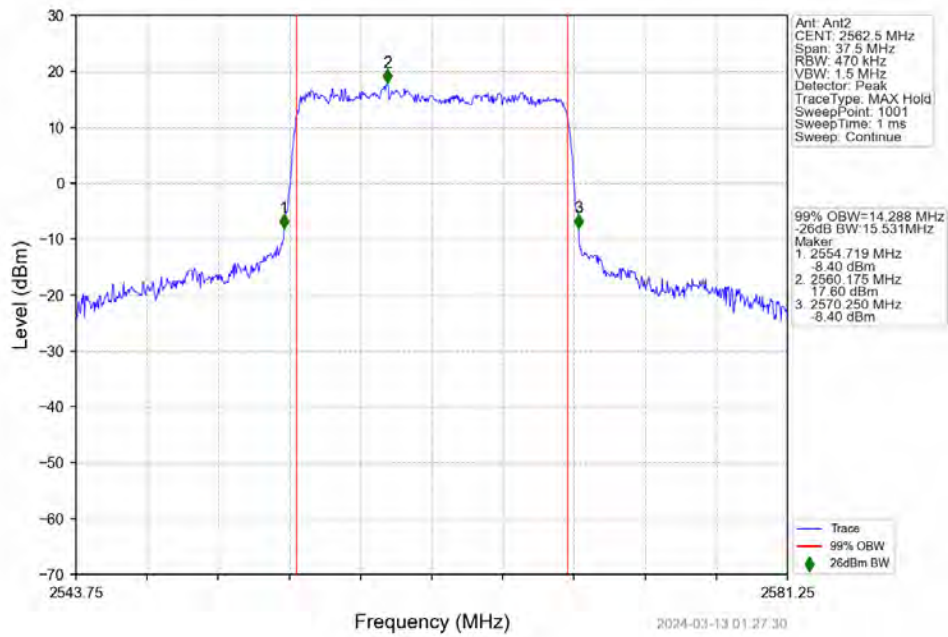
n7 15kHz SISO NTN 15MHz CP-OFDM QPSK 2507.5MHz Outer Full



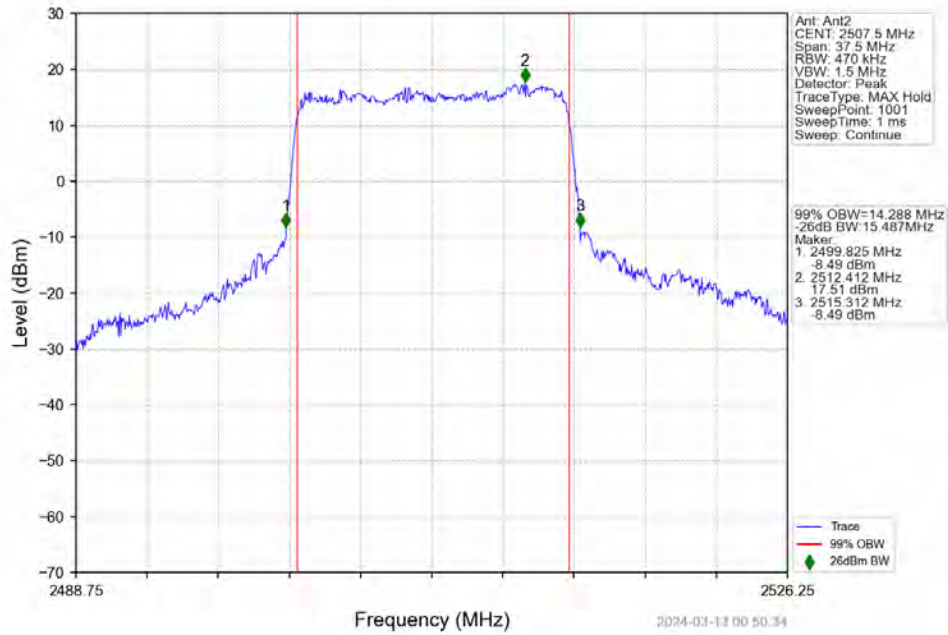
n7 15kHz SISO NTN 15MHz CP-OFDM QPSK 2535MHz Outer Full



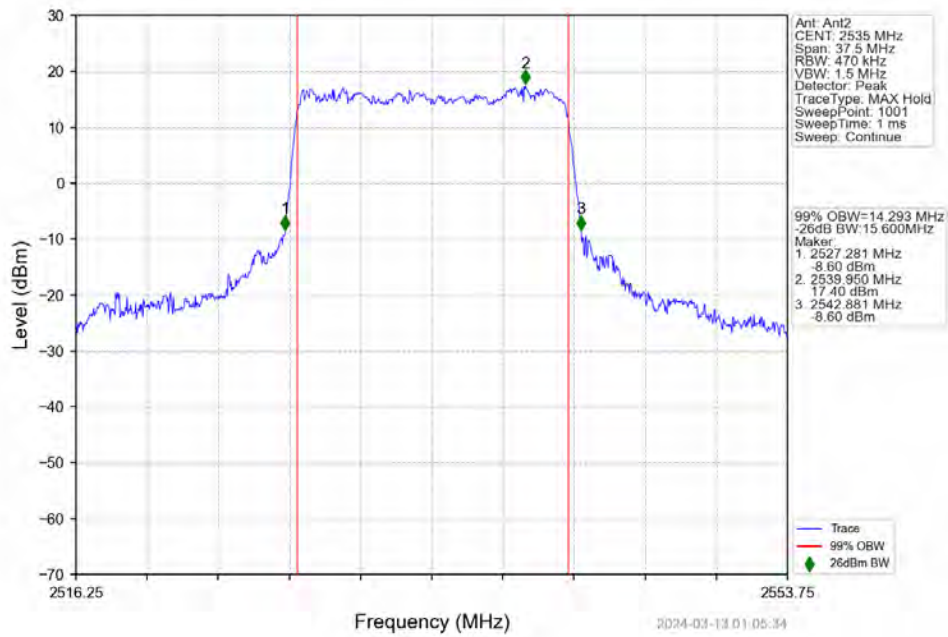
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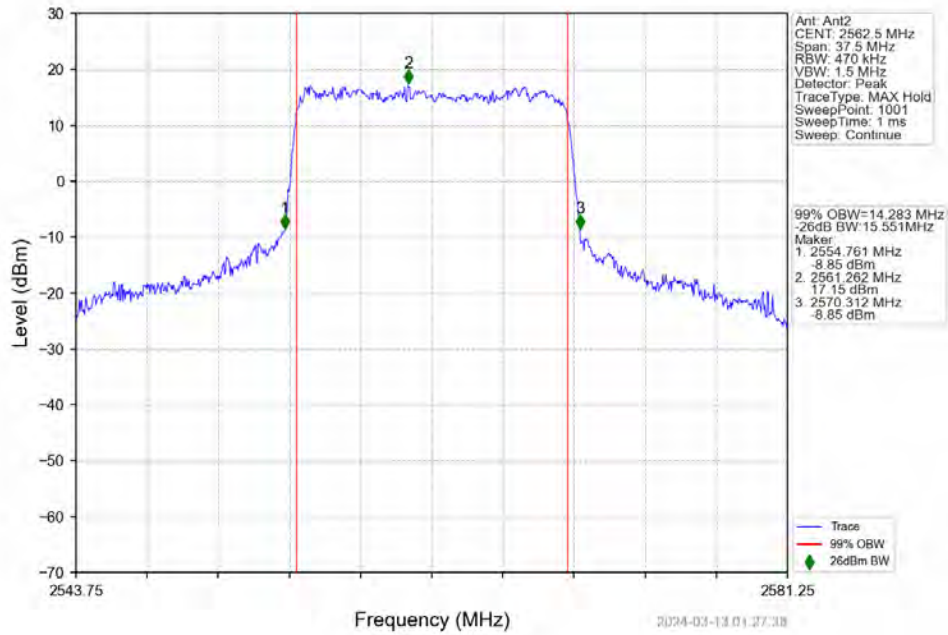
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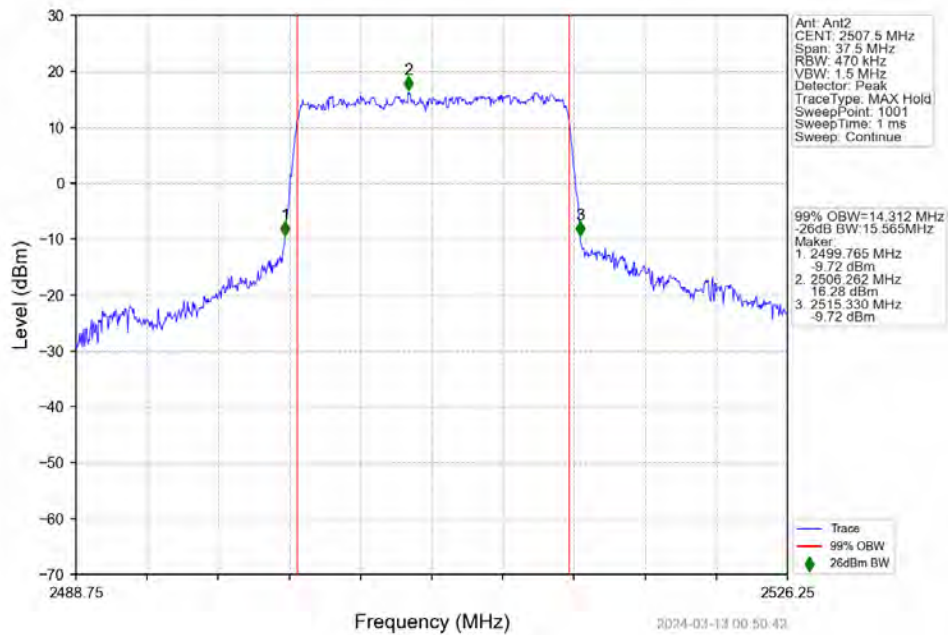
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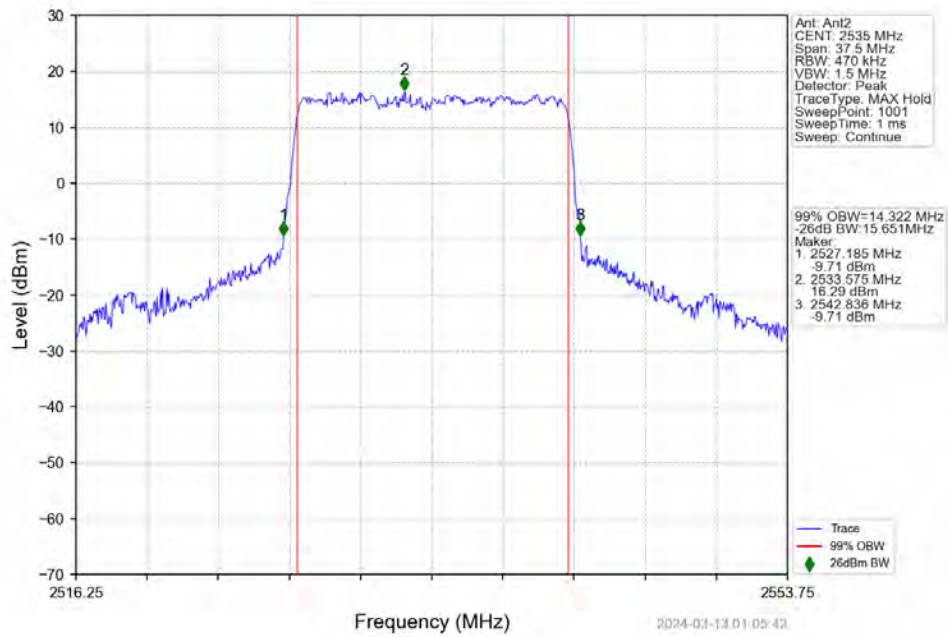
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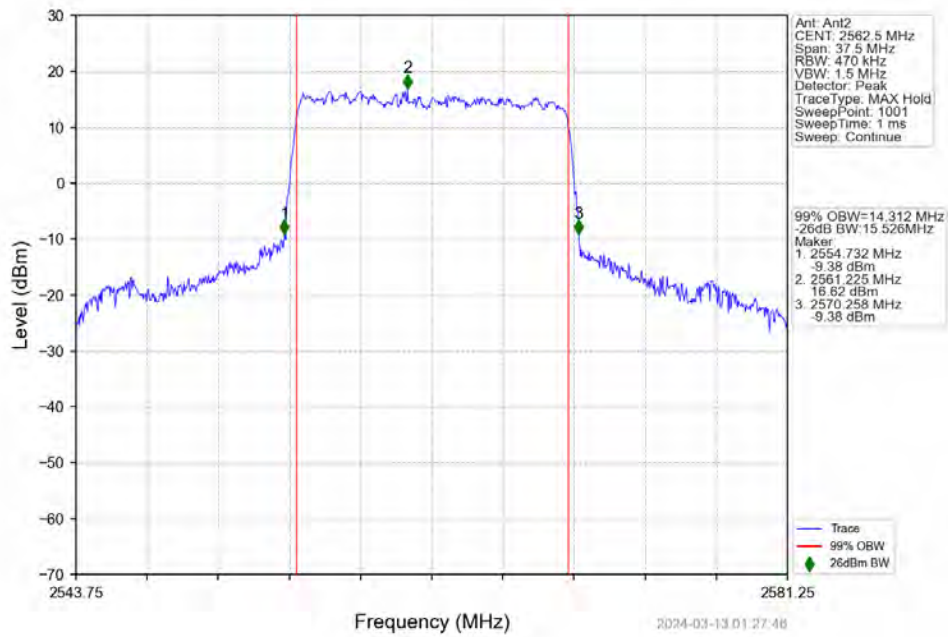
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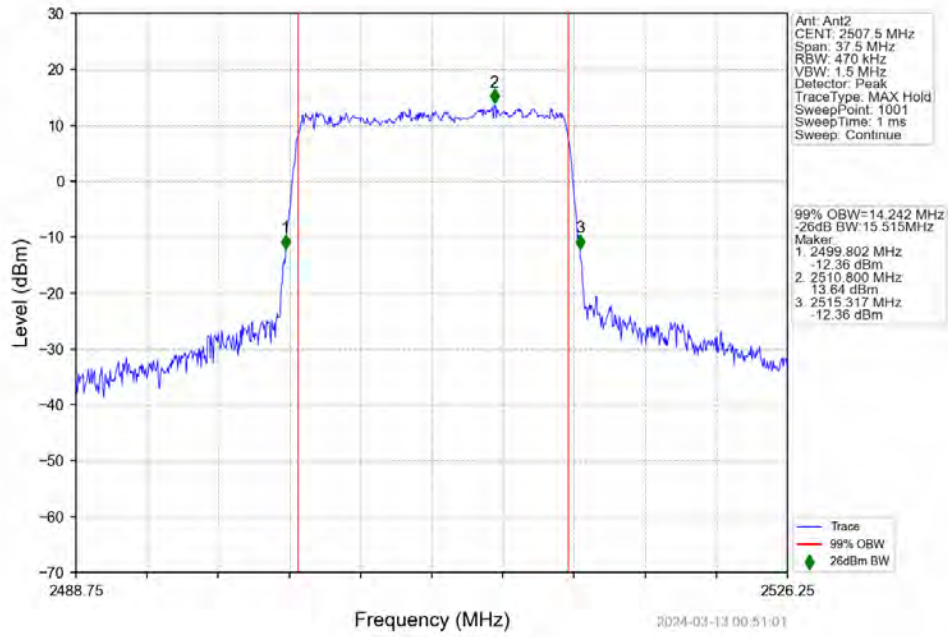
n7 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 2535MHz Outer Full



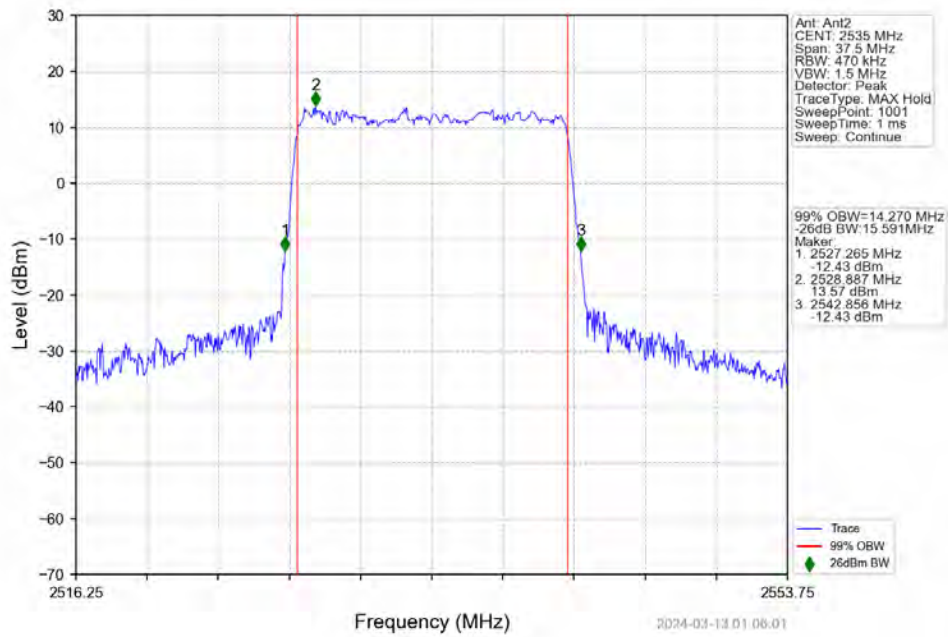
n7 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 2562.5MHz Outer Full



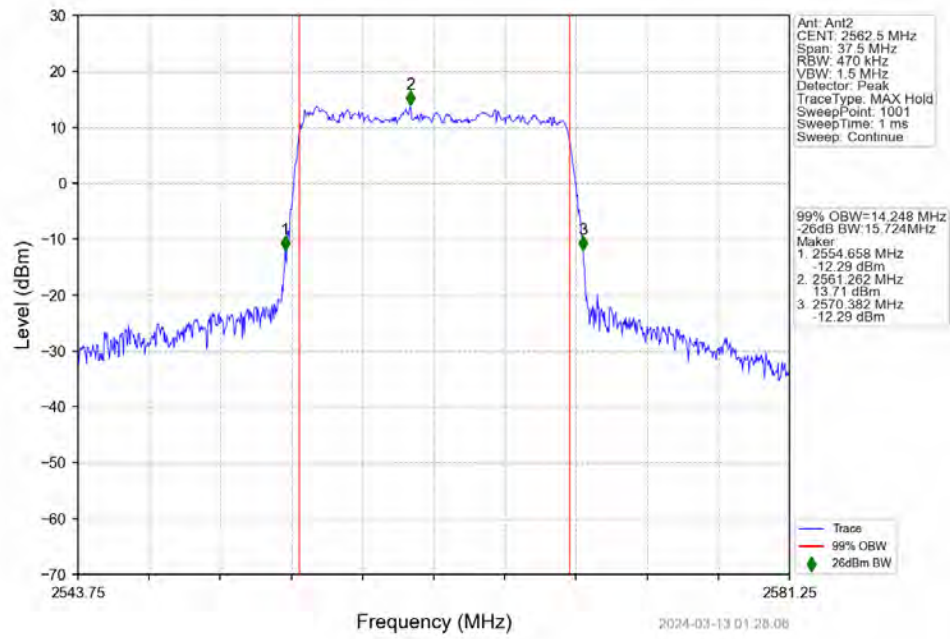
n7 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 2507.5MHz Outer Full



n7 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 2535MHz Outer Full



n7 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 2562.5MHz Outer Full

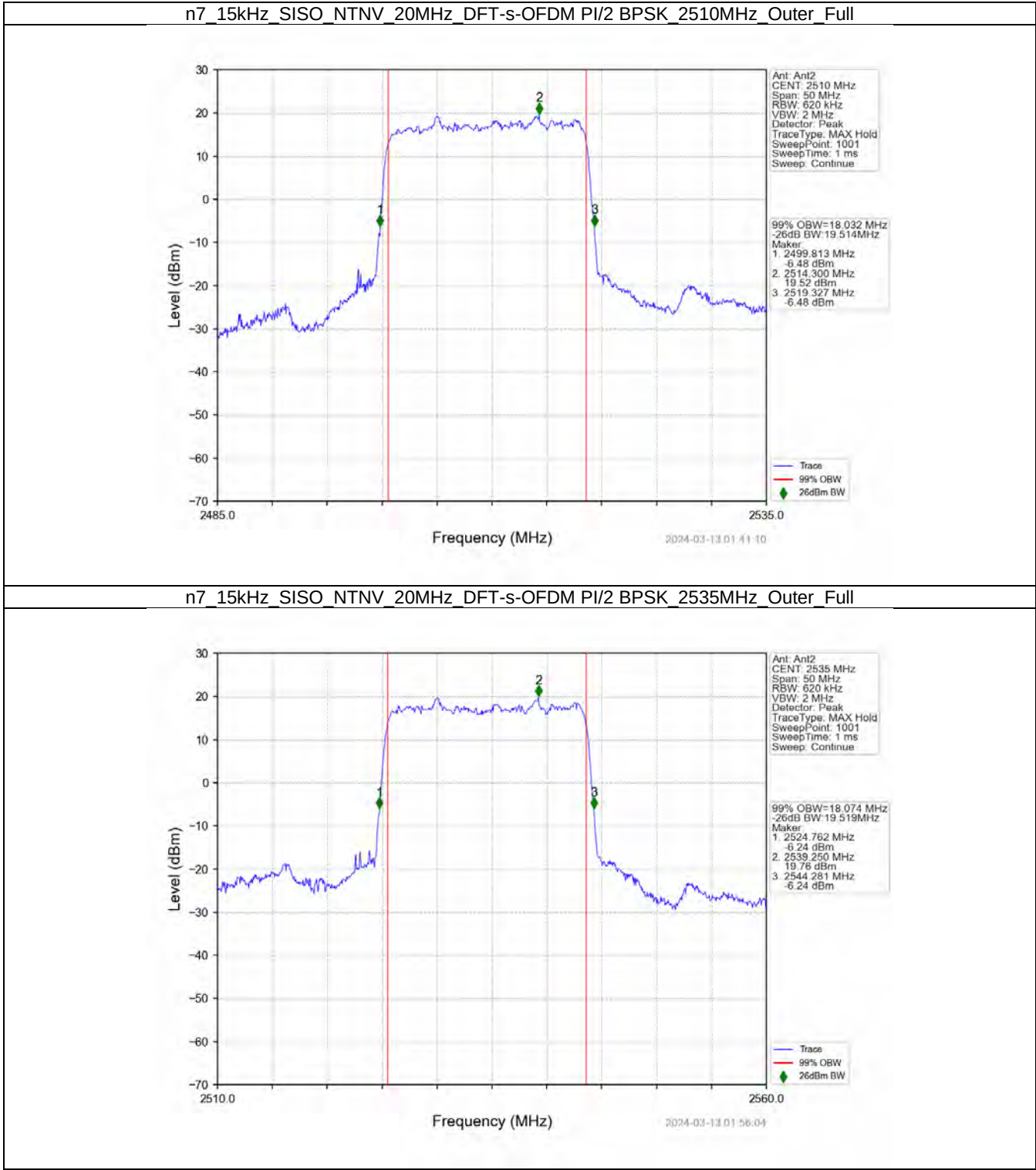


3.4 15k_SISO_20MHz_NTNV

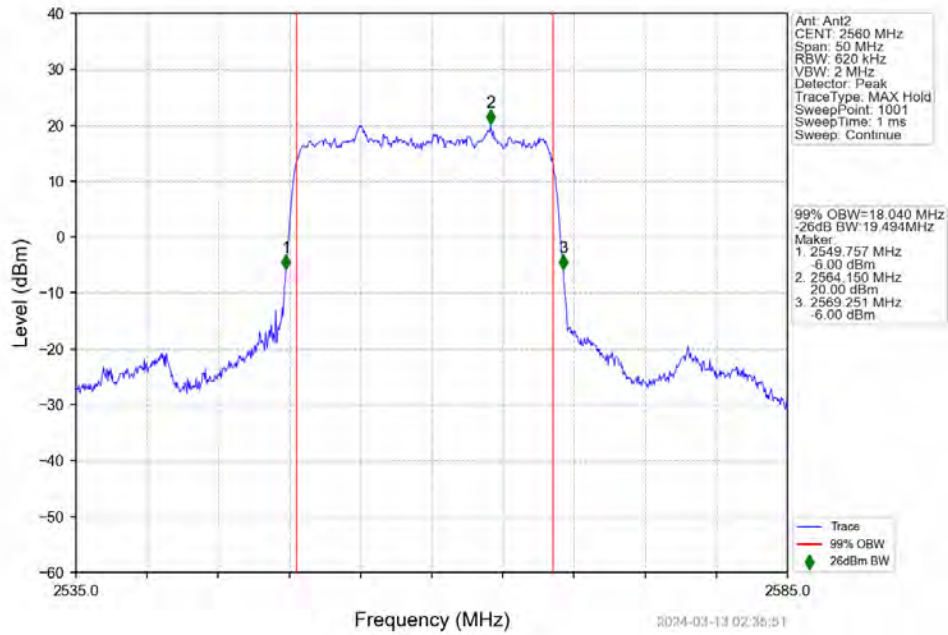
3.4.1 Test Result

5G NR n7 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	2510	Outer_Full	18.03	19.51	/	Pass
	2535	Outer_Full	18.07	19.52	/	Pass
	2560	Outer_Full	18.04	19.49	/	Pass
DFT-s-OFDM QPSK	2510	Outer_Full	18.02	19.58	/	Pass
	2535	Outer_Full	18.09	19.59	/	Pass
	2560	Outer_Full	18.04	19.60	/	Pass
DFT-s-OFDM 16 QAM	2510	Outer_Full	18.01	19.40	/	Pass
	2535	Outer_Full	18.06	19.55	/	Pass
	2560	Outer_Full	18.02	19.54	/	Pass
DFT-s-OFDM 64 QAM	2510	Outer_Full	18.03	19.53	/	Pass
	2535	Outer_Full	18.10	19.65	/	Pass
	2560	Outer_Full	18.05	19.62	/	Pass
DFT-s-OFDM 256 QAM	2510	Outer_Full	18.03	19.42	/	Pass
	2535	Outer_Full	18.09	19.45	/	Pass
	2560	Outer_Full	18.00	19.40	/	Pass
CP-OFDM QPSK	2510	Outer_Full	19.10	20.80	/	Pass
	2535	Outer_Full	19.13	20.68	/	Pass
	2560	Outer_Full	19.10	20.76	/	Pass
CP-OFDM 16 QAM	2510	Outer_Full	19.14	20.73	/	Pass
	2535	Outer_Full	19.19	20.80	/	Pass
	2560	Outer_Full	19.16	20.78	/	Pass
CP-OFDM 64 QAM	2510	Outer_Full	19.11	20.55	/	Pass
	2535	Outer_Full	19.16	20.59	/	Pass
	2560	Outer_Full	19.11	20.55	/	Pass
CP-OFDM 256 QAM	2510	Outer_Full	19.15	20.63	/	Pass
	2535	Outer_Full	19.21	20.64	/	Pass
	2560	Outer_Full	19.16	20.59	/	Pass

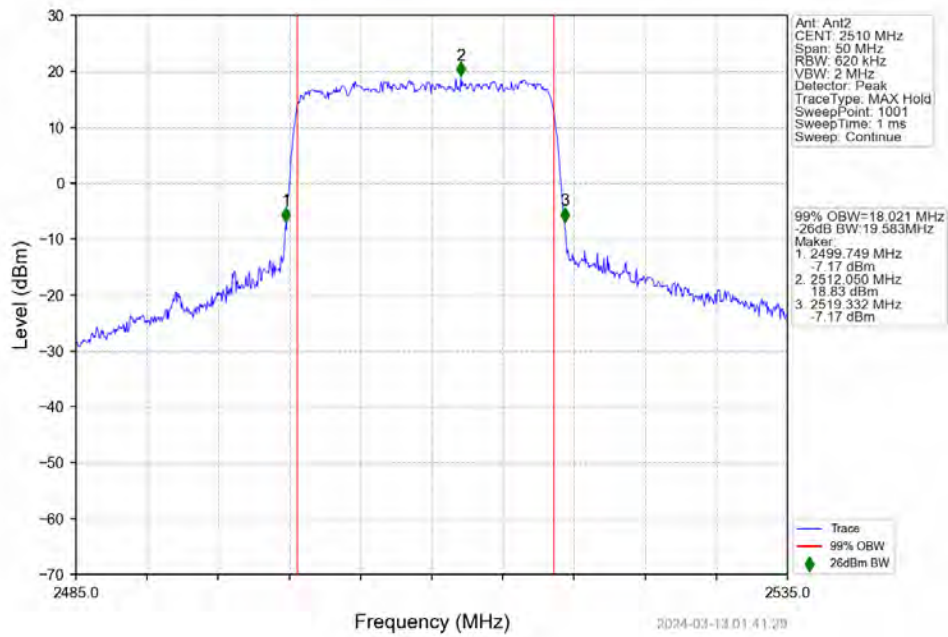
3.4.2 Test Graph



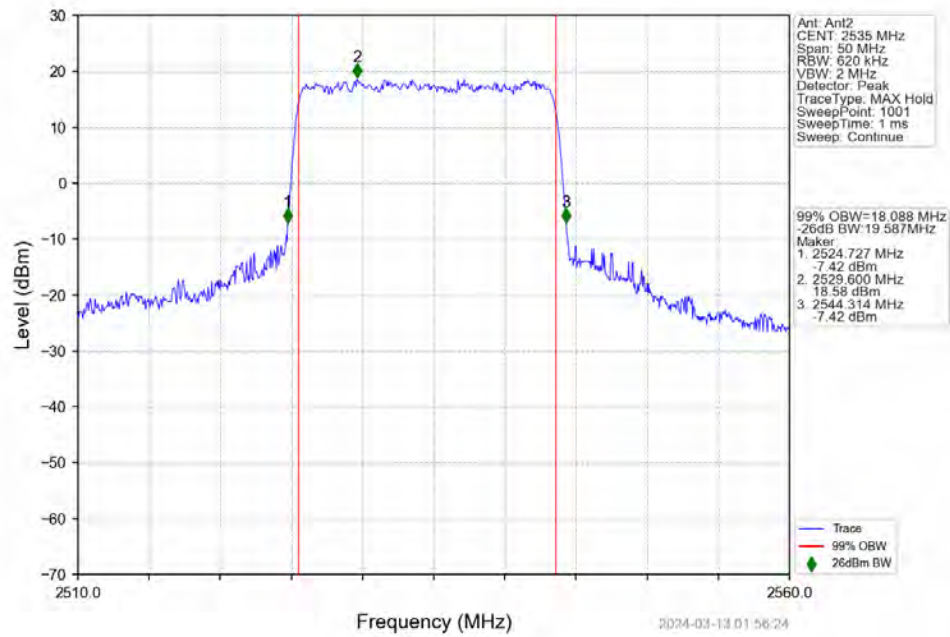
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2560MHz Outer Full



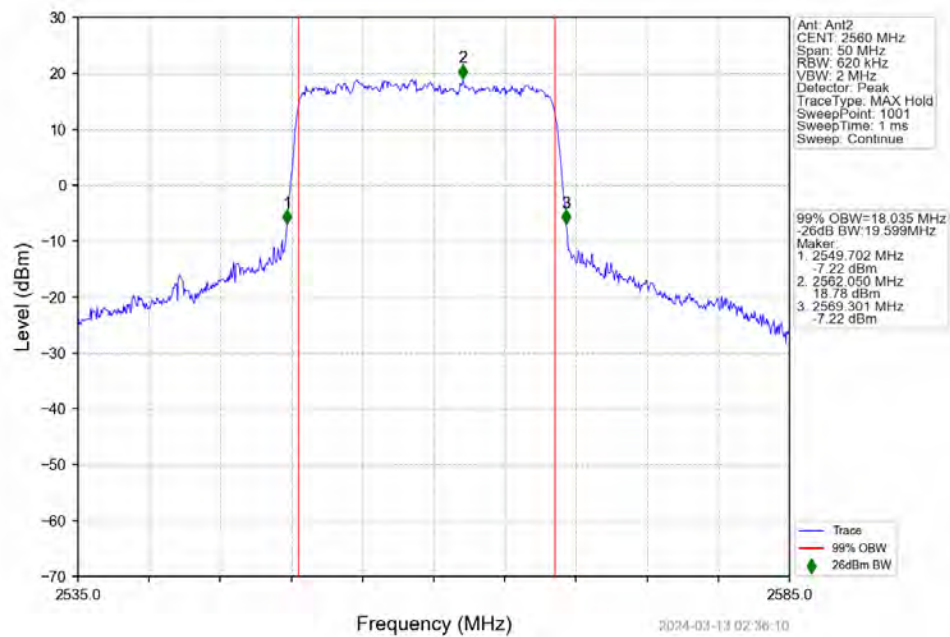
n7 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2510MHz Outer Full



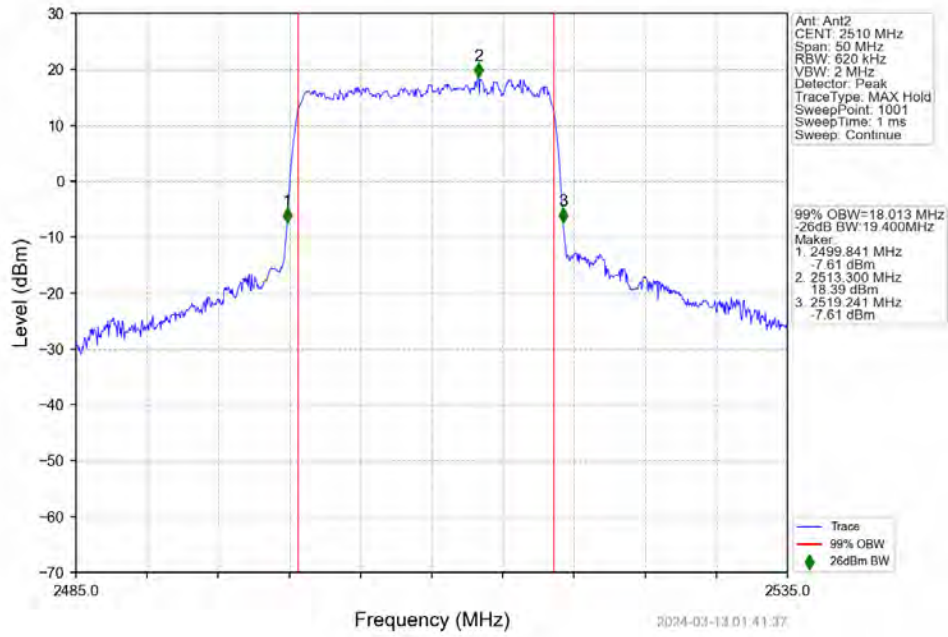
n7 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2535MHz Outer Full



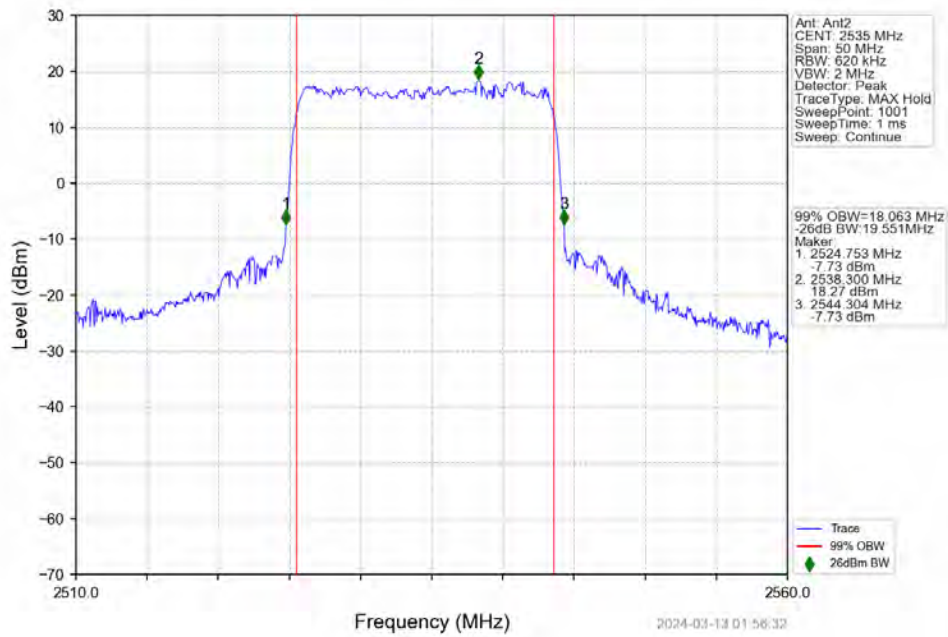
n7 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2560MHz Outer Full



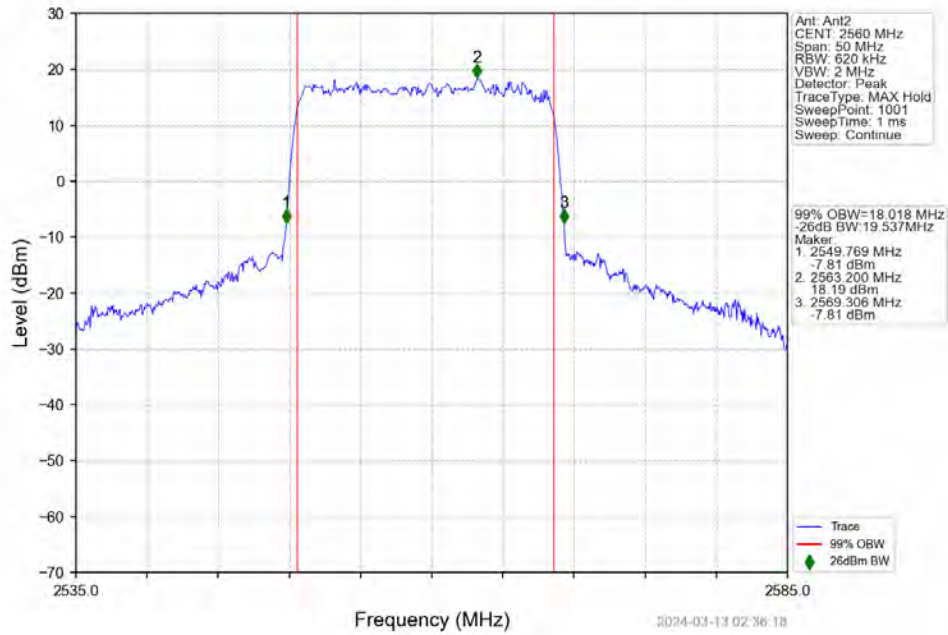
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 2510MHz Outer Full



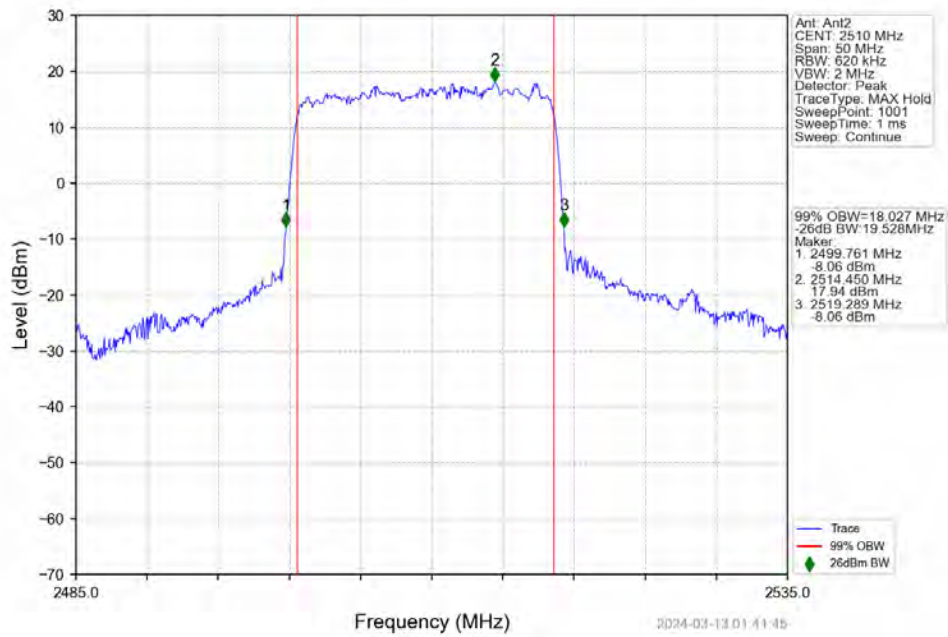
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 2535MHz Outer Full



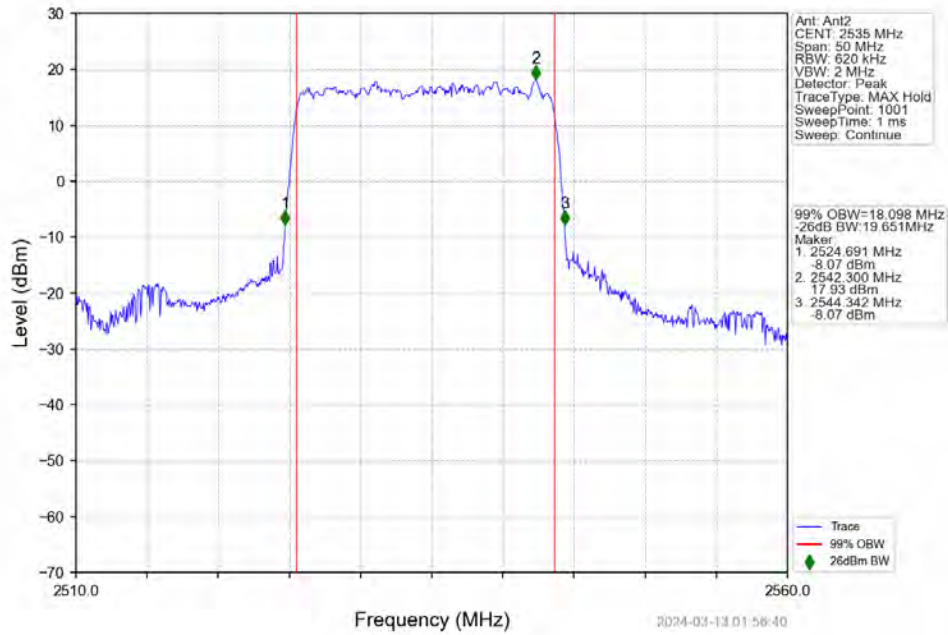
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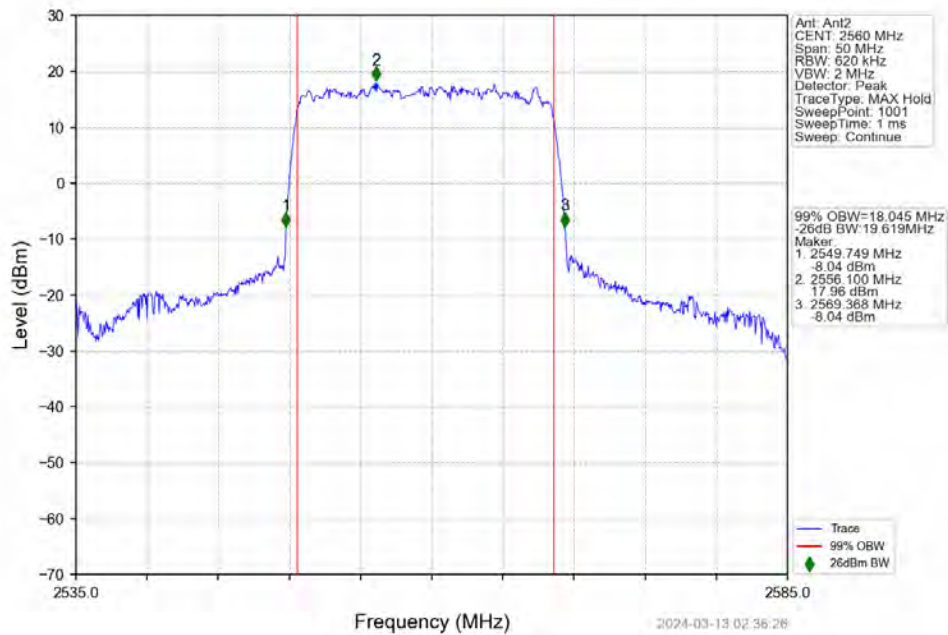
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2510MHz Outer Full



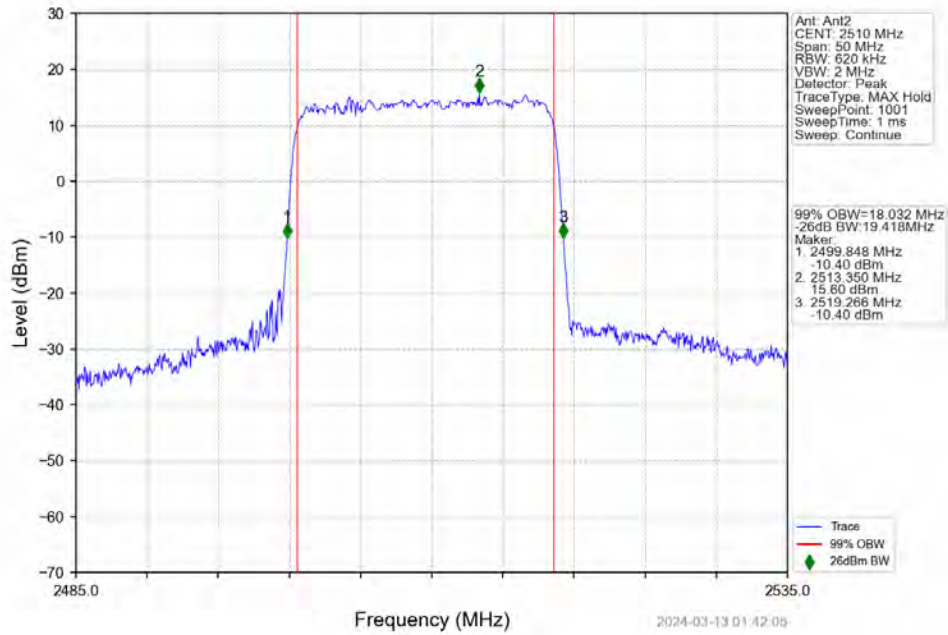
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2535MHz Outer Full



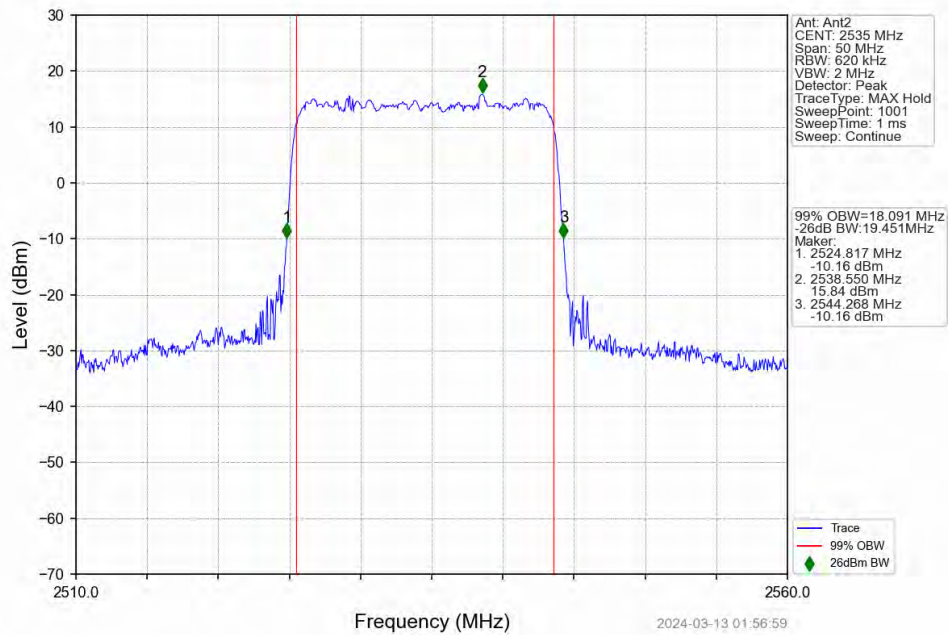
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2560MHz Outer Full



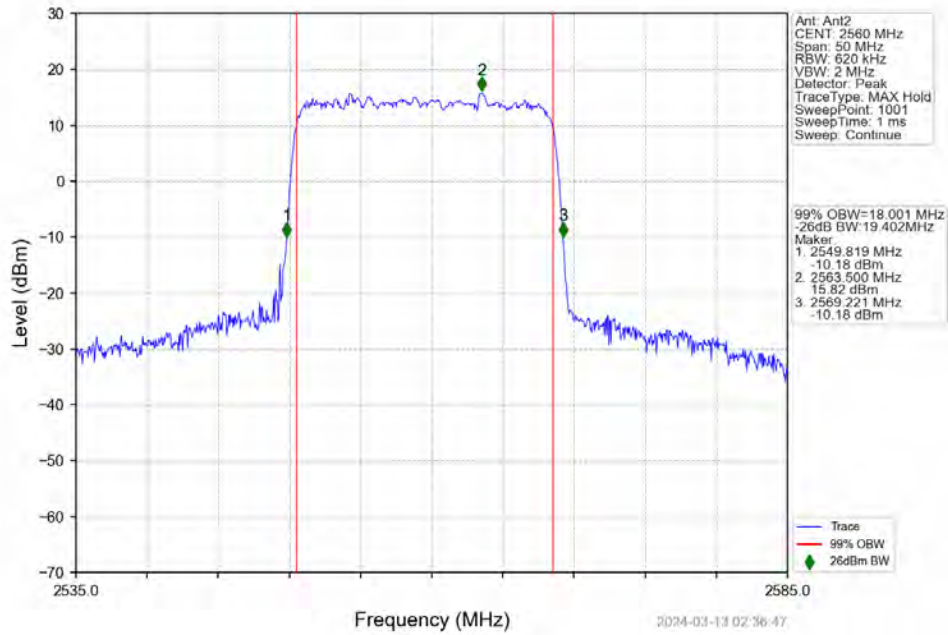
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 2510MHz Outer Full



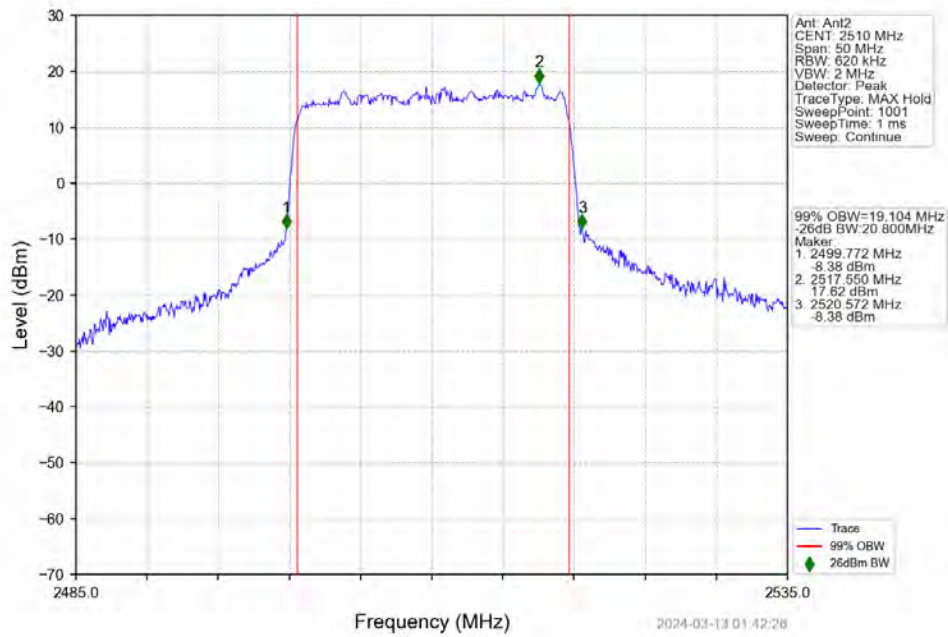
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 2535MHz Outer Full



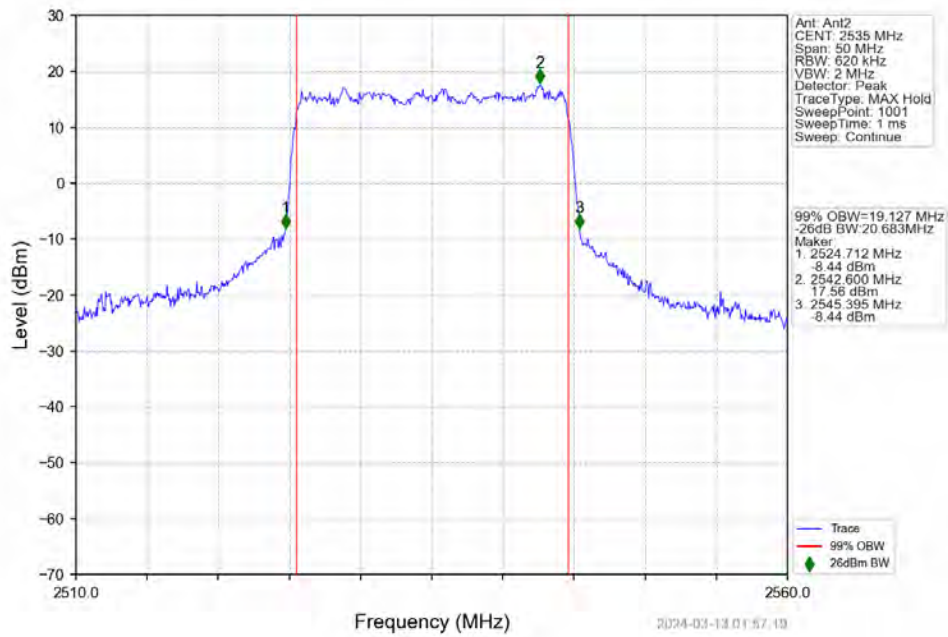
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 2560MHz Outer Full



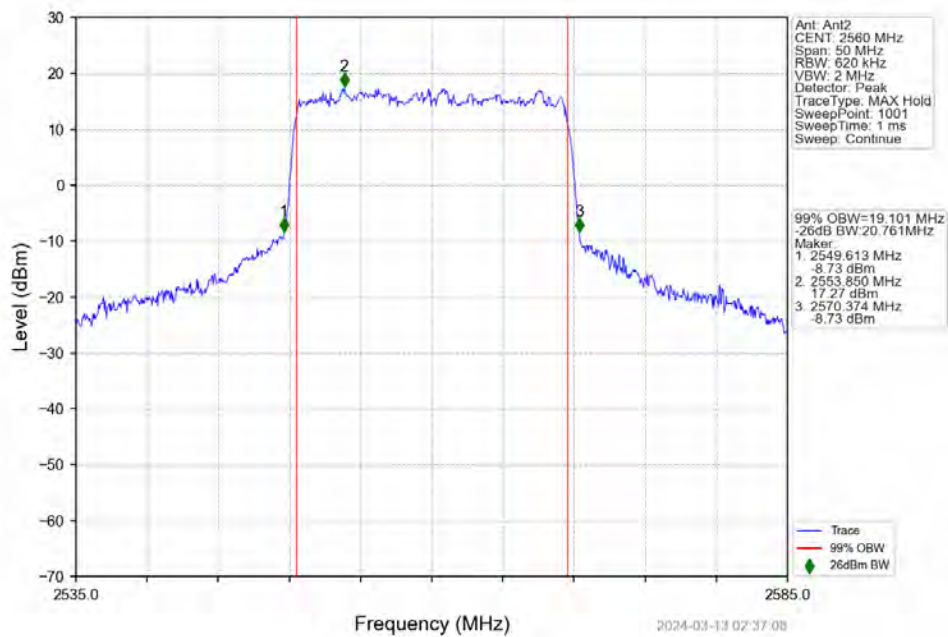
n7 15kHz SISO NTN 20MHz CP-OFDM QPSK 2510MHz Outer Full



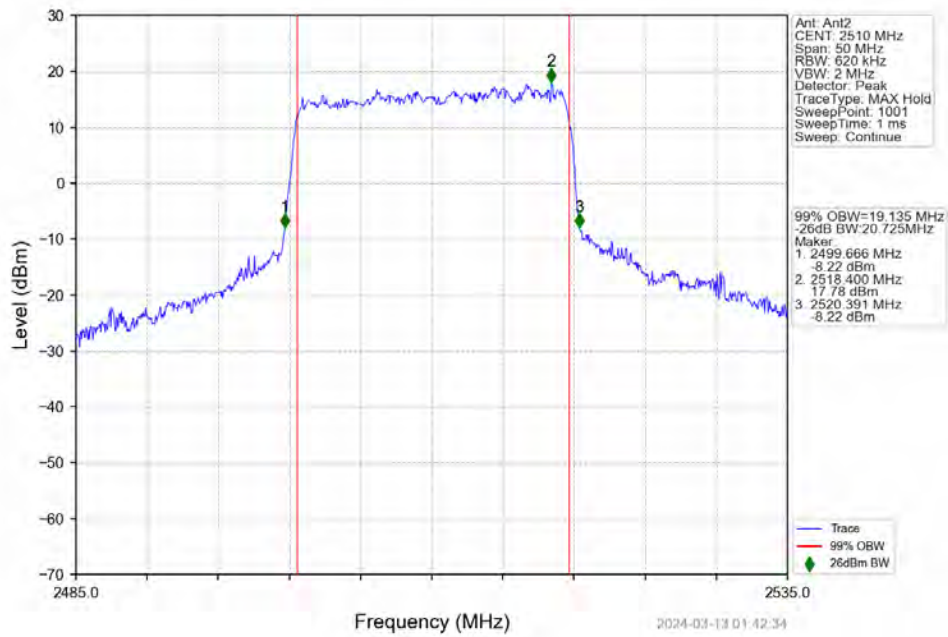
n7 15kHz SISO NTN 20MHz CP-OFDM QPSK 2535MHz Outer Full



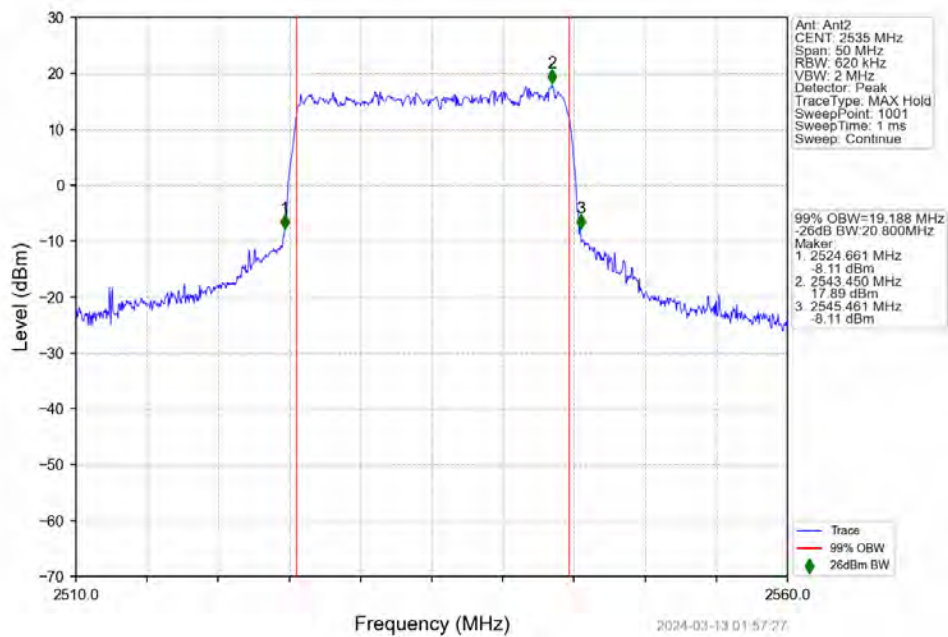
n7 15kHz SISO NTN 20MHz CP-OFDM QPSK 2560MHz Outer Full



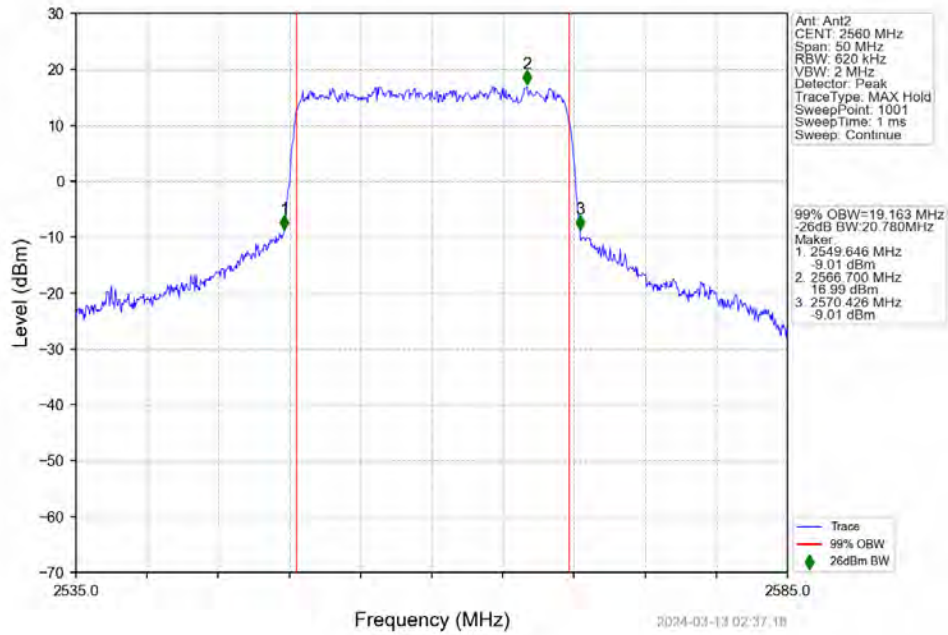
n7 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 2510MHz Outer Full



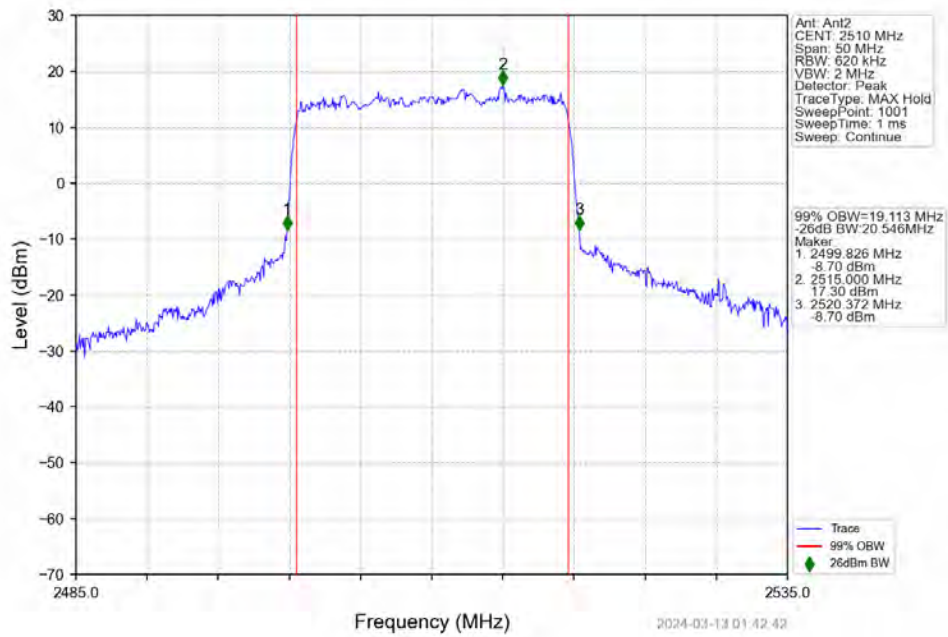
n7 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 2535MHz Outer Full



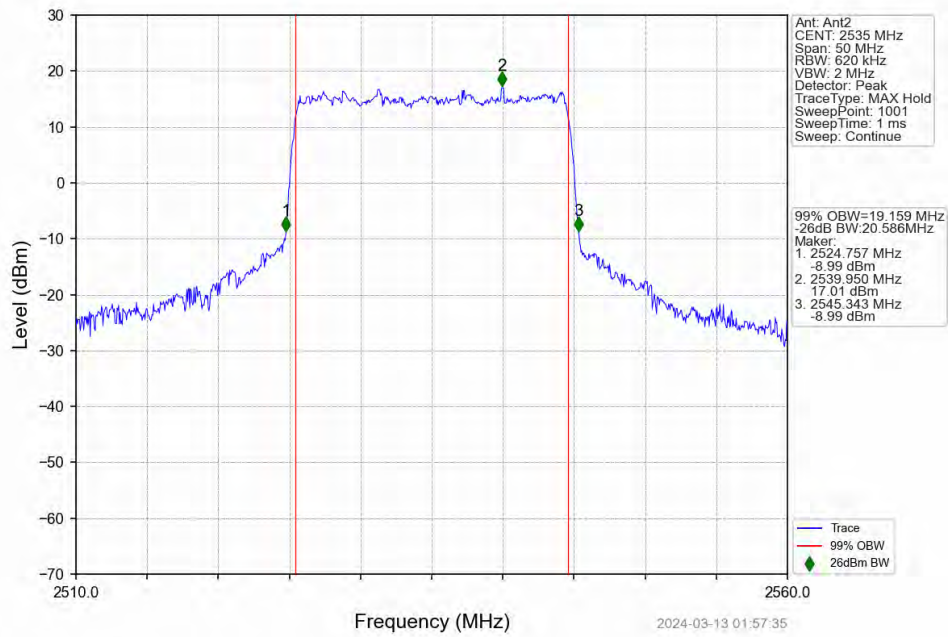
n7 15kHz SISO NTV 20MHz CP-OFDM 16 QAM 2560MHz Outer Full



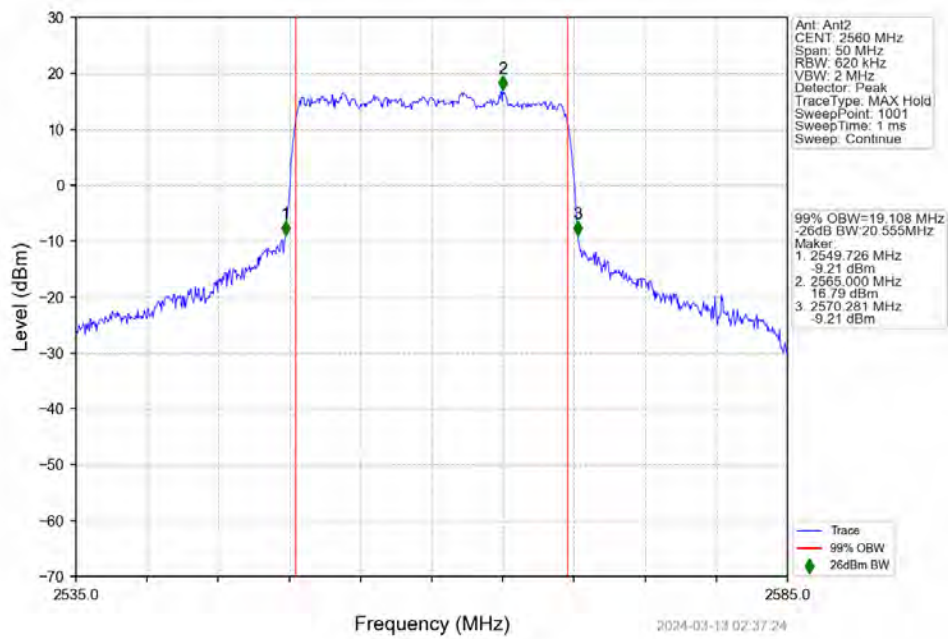
n7 15kHz SISO NTV 20MHz CP-OFDM 64 QAM 2510MHz Outer Full



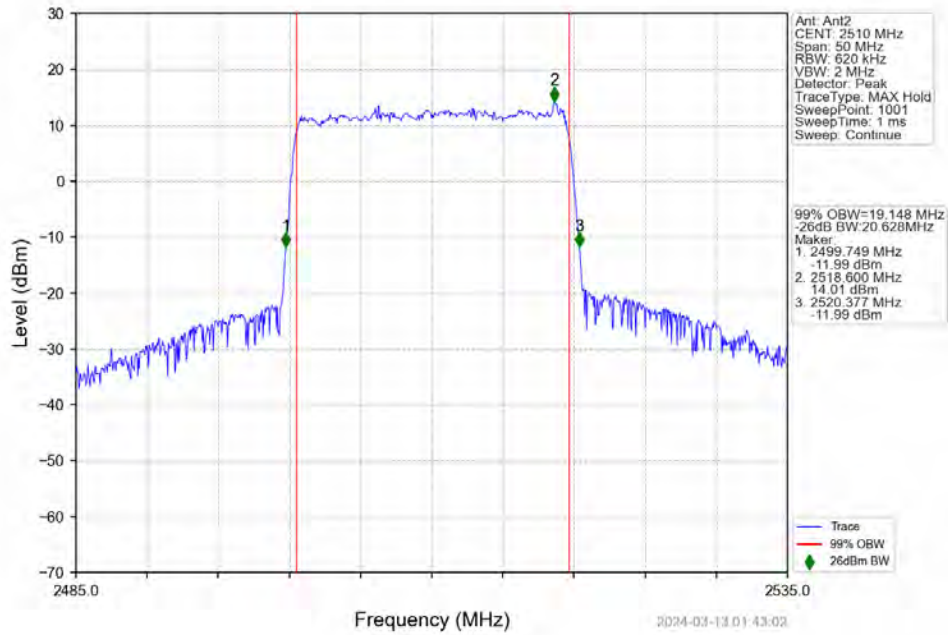
n7 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 2535MHz Outer Full



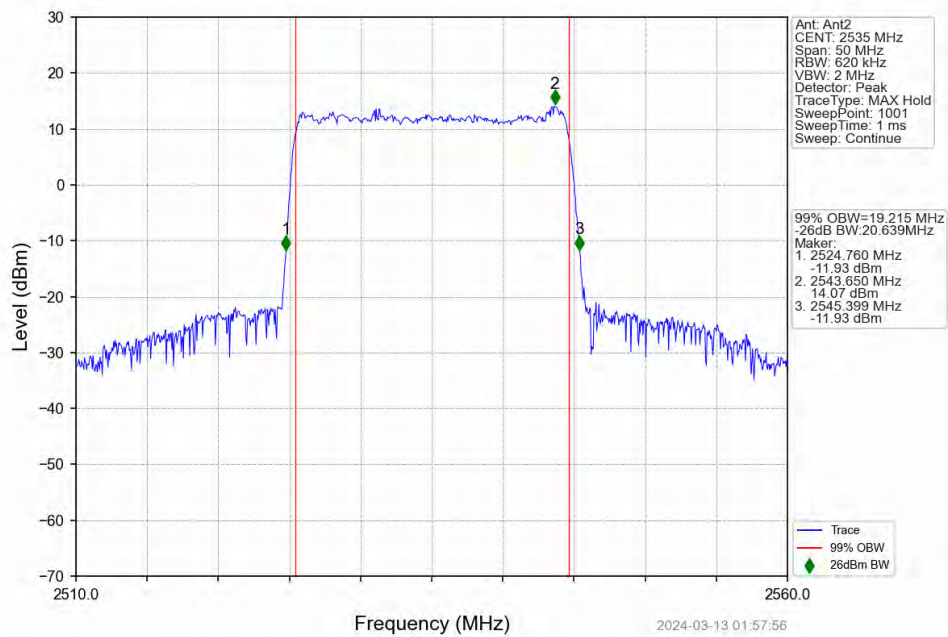
n7 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 2560MHz Outer Full

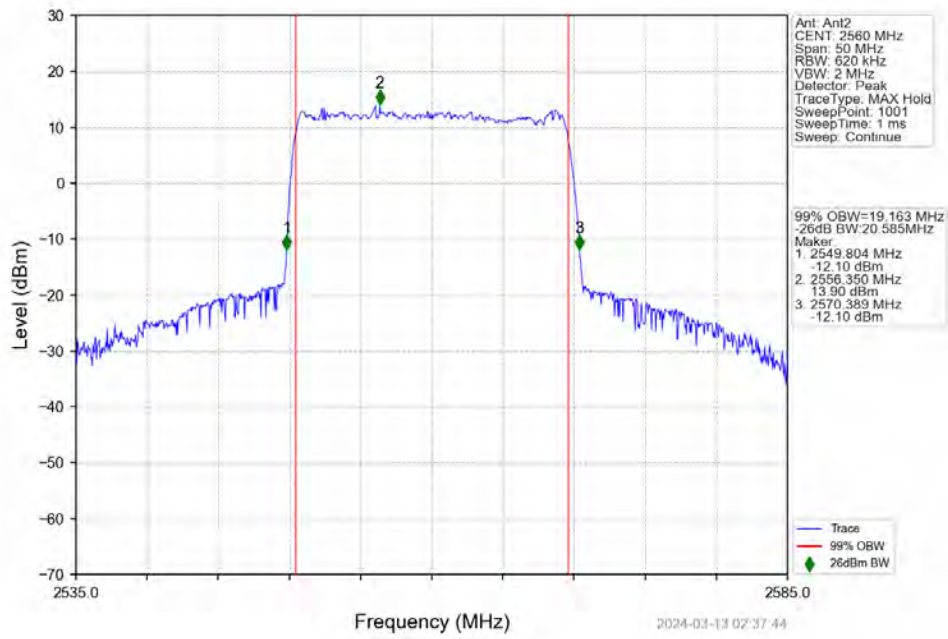


n7 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 2510MHz Outer Full



n7 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 2535MHz Outer Full





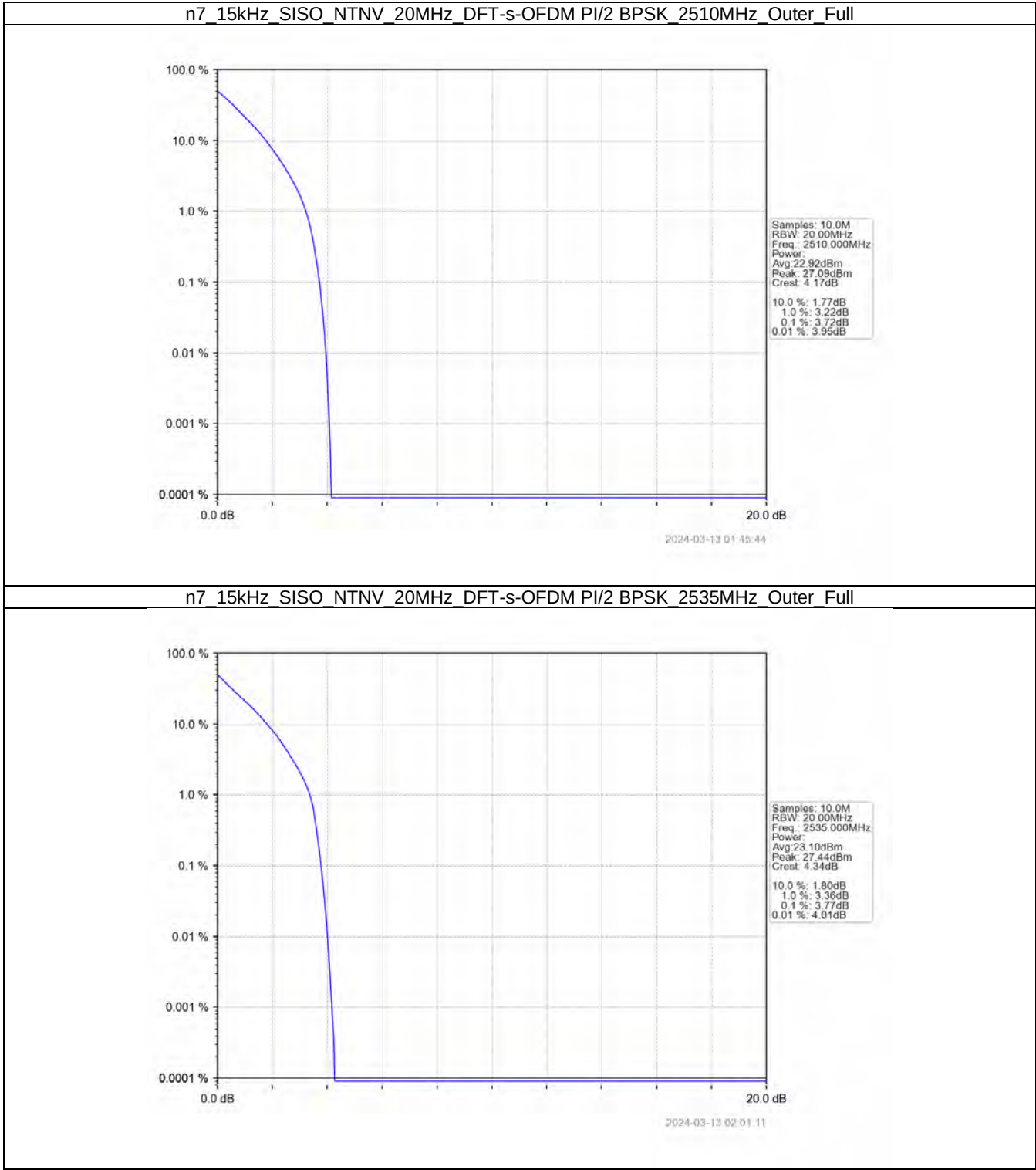
4. Peak-Average Ratio

4.1 15k_SISO_20MHz_NTNV

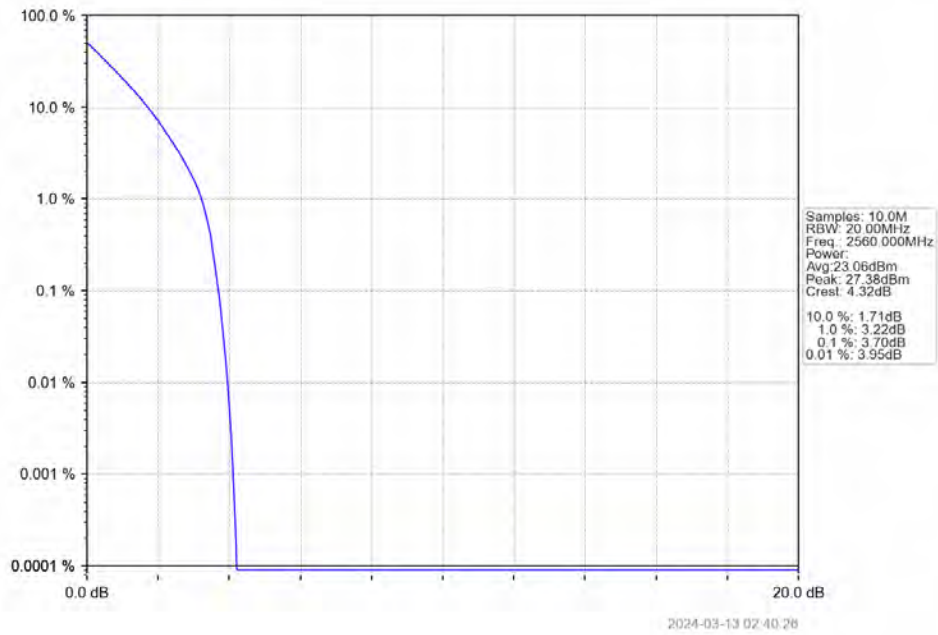
4.1.1 Test Result

5G NR n7 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	2510	Outer_Full	3.72	/	/	<=13	Pass
	2535	Outer_Full	3.77	/	/	<=13	Pass
	2560	Outer_Full	3.70	/	/	<=13	Pass
DFT-s-OFDM QPSK	2510	Outer_Full	4.24	/	/	<=13	Pass
	2535	Outer_Full	4.36	/	/	<=13	Pass
	2560	Outer_Full	4.17	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2510	Outer_Full	5.18	/	/	<=13	Pass
	2535	Outer_Full	5.24	/	/	<=13	Pass
	2560	Outer_Full	5.05	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2510	Outer_Full	5.48	/	/	<=13	Pass
	2535	Outer_Full	5.56	/	/	<=13	Pass
	2560	Outer_Full	5.29	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2510	Outer_Full	6.42	/	/	<=13	Pass
	2535	Outer_Full	6.55	/	/	<=13	Pass
	2560	Outer_Full	6.37	/	/	<=13	Pass
CP-OFDM QPSK	2510	Outer_Full	6.36	/	/	<=13	Pass
	2535	Outer_Full	6.37	/	/	<=13	Pass
	2560	Outer_Full	6.25	/	/	<=13	Pass
CP-OFDM 16 QAM	2510	Outer_Full	6.38	/	/	<=13	Pass
	2535	Outer_Full	6.39	/	/	<=13	Pass
	2560	Outer_Full	6.28	/	/	<=13	Pass
CP-OFDM 64 QAM	2510	Outer_Full	6.72	/	/	<=13	Pass
	2535	Outer_Full	6.71	/	/	<=13	Pass
	2560	Outer_Full	6.61	/	/	<=13	Pass
CP-OFDM 256 QAM	2510	Outer_Full	8.27	/	/	<=13	Pass
	2535	Outer_Full	8.33	/	/	<=13	Pass
	2560	Outer_Full	8.22	/	/	<=13	Pass

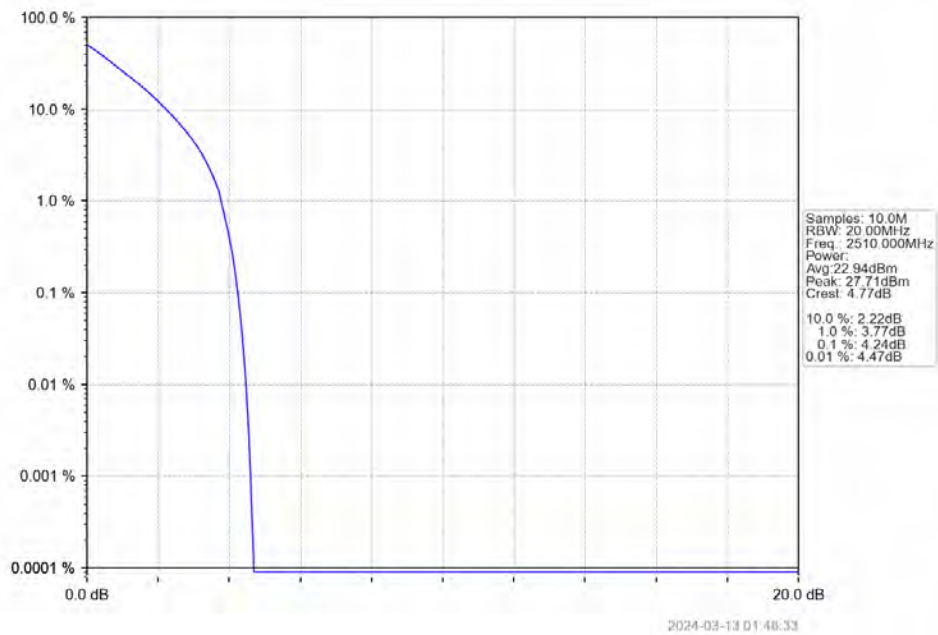
4.1.2 Test Graph



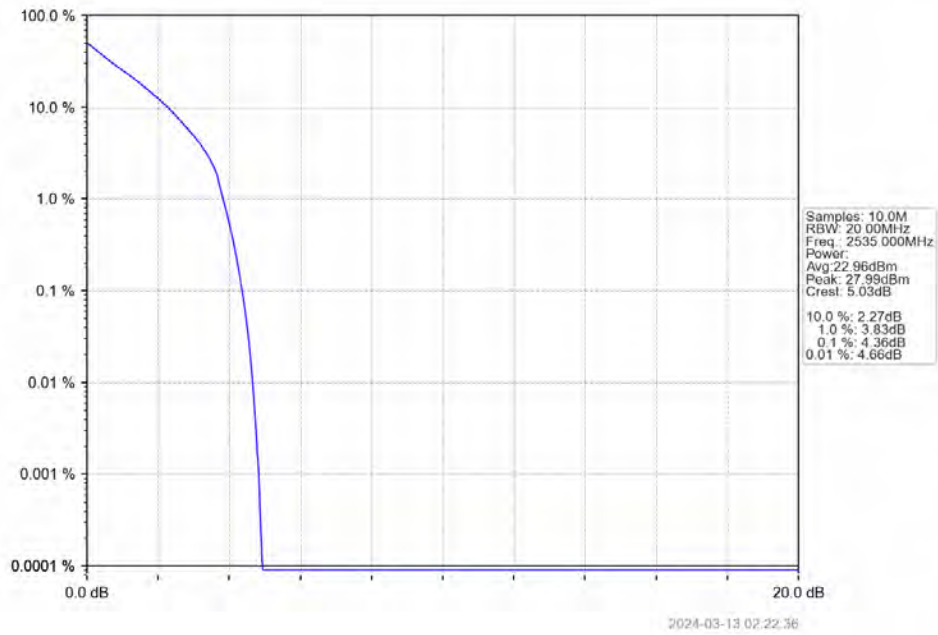
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2560MHz Outer Full



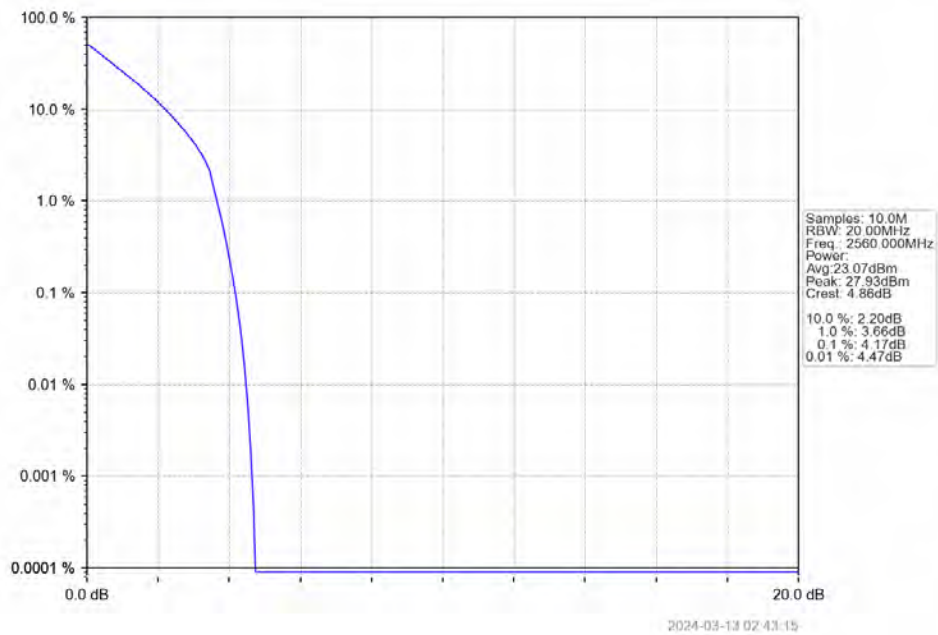
n7 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2510MHz Outer Full



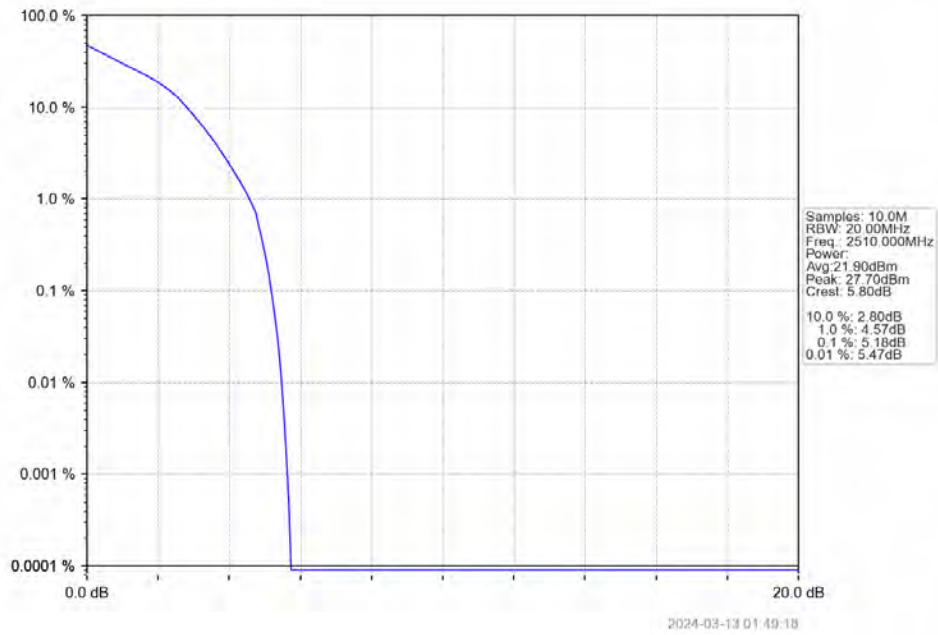
n7 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2535MHz Outer Full



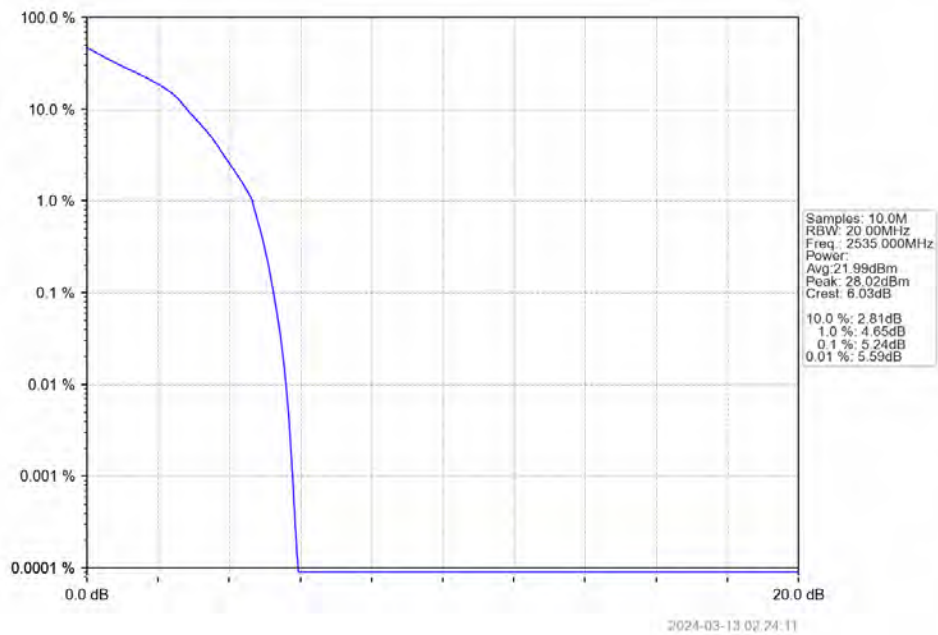
n7 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2560MHz Outer Full



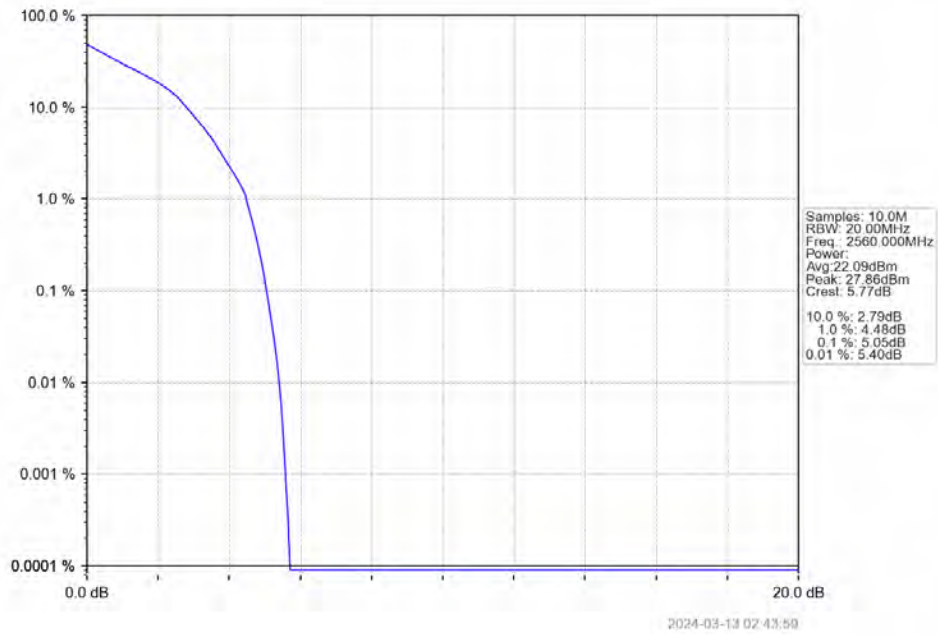
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 2510MHz Outer Full



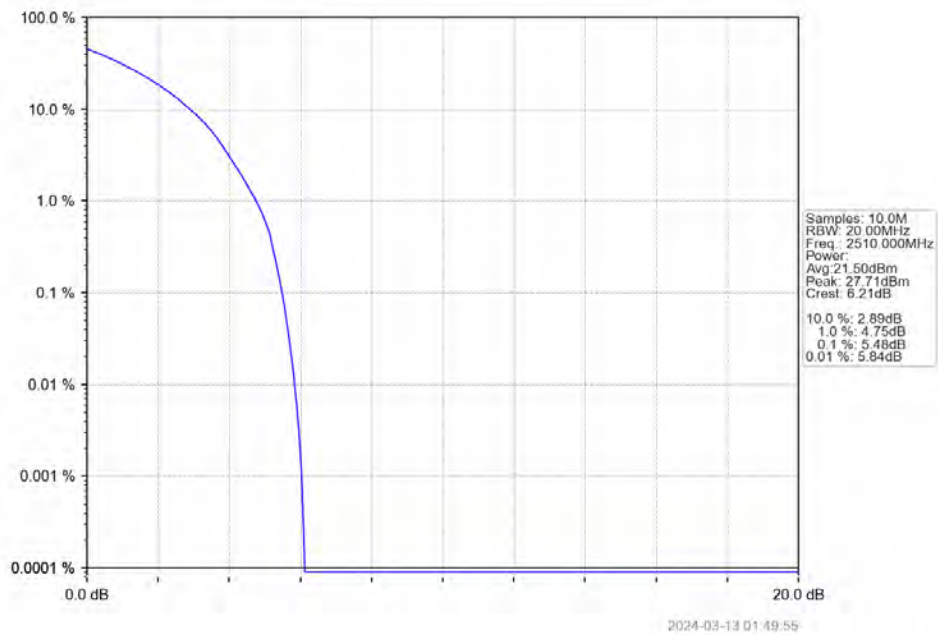
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 2535MHz Outer Full



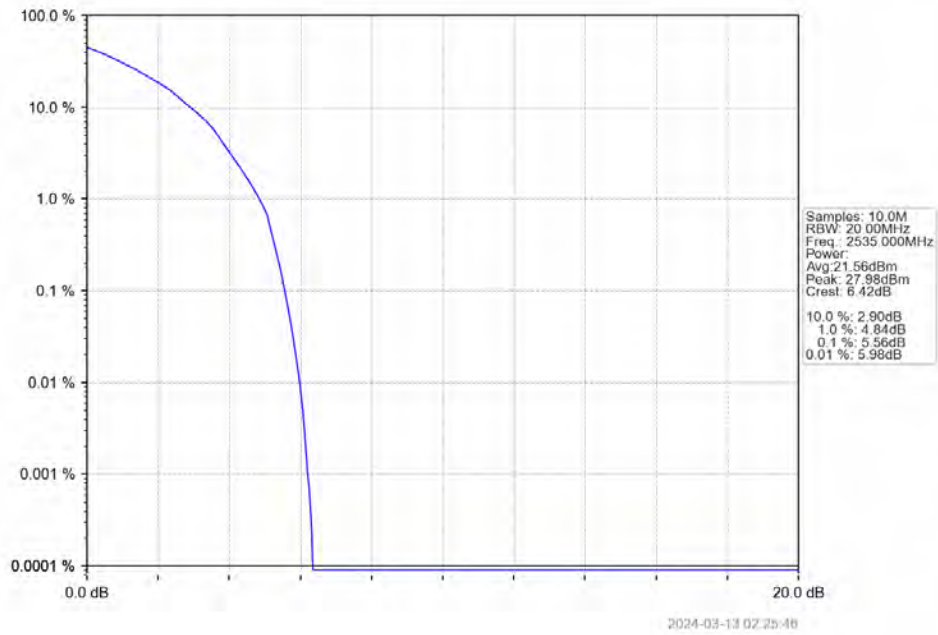
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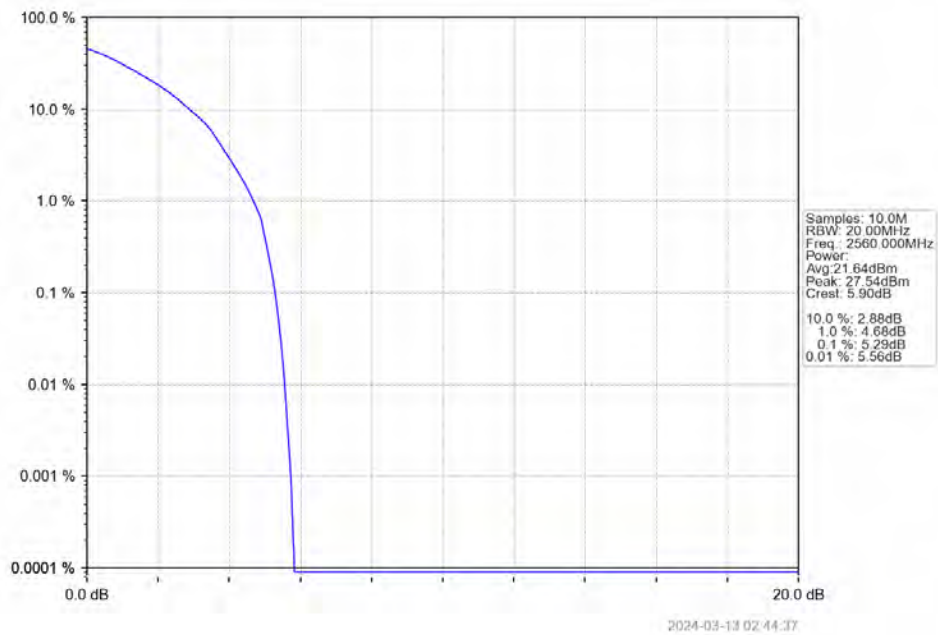
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2510MHz Outer Full



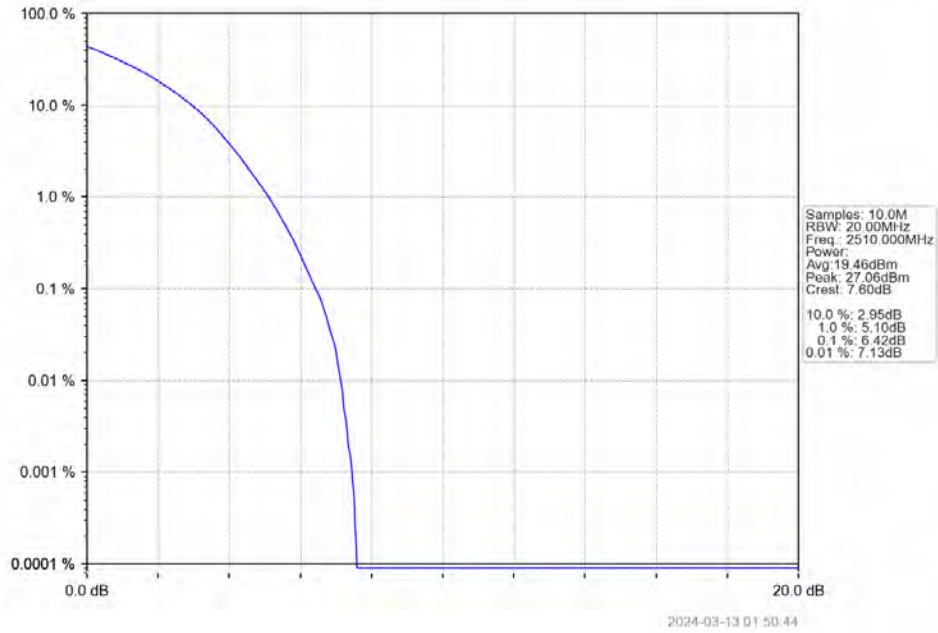
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2535MHz Outer Full



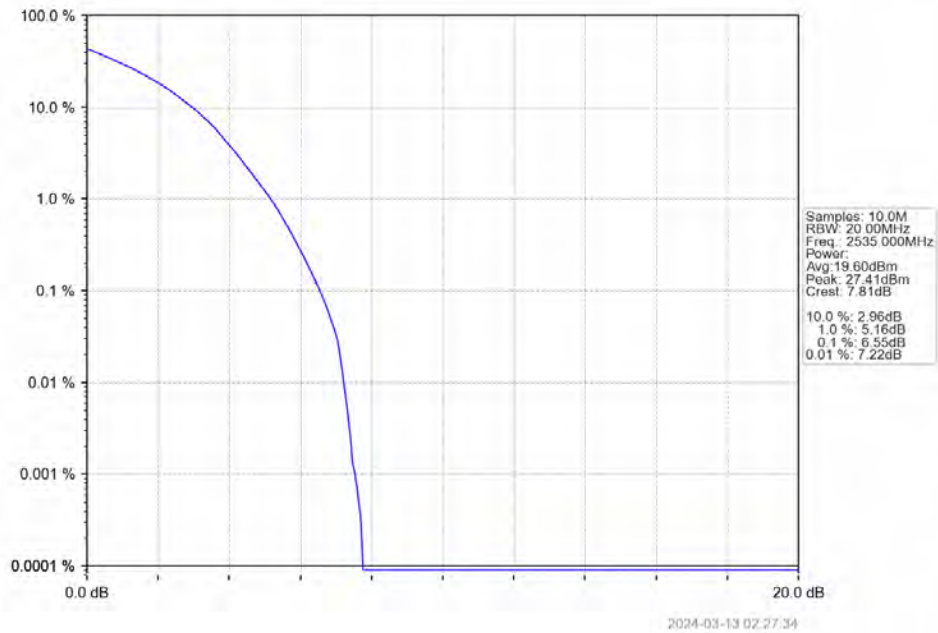
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2560MHz Outer Full



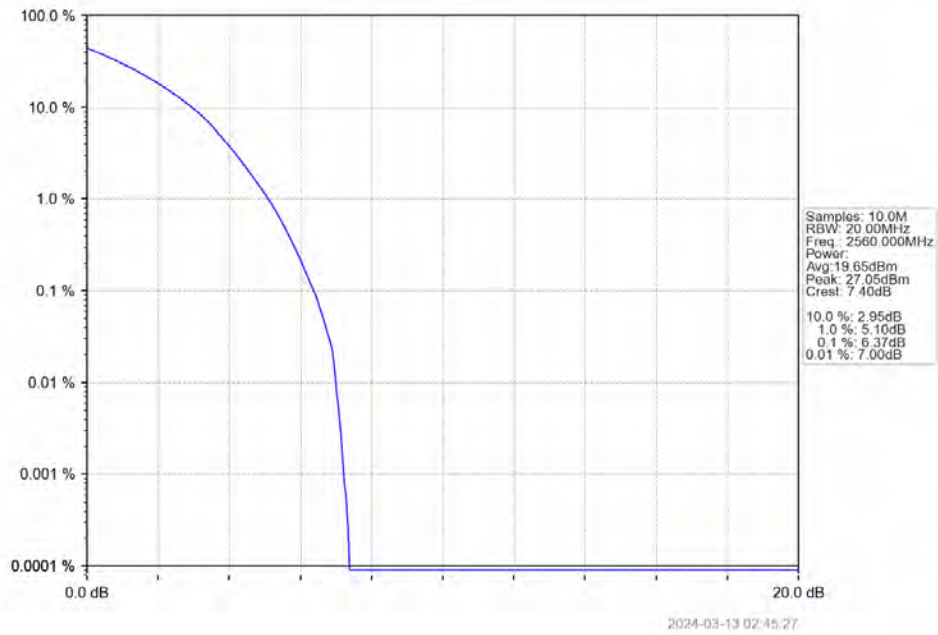
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 2510MHz Outer Full



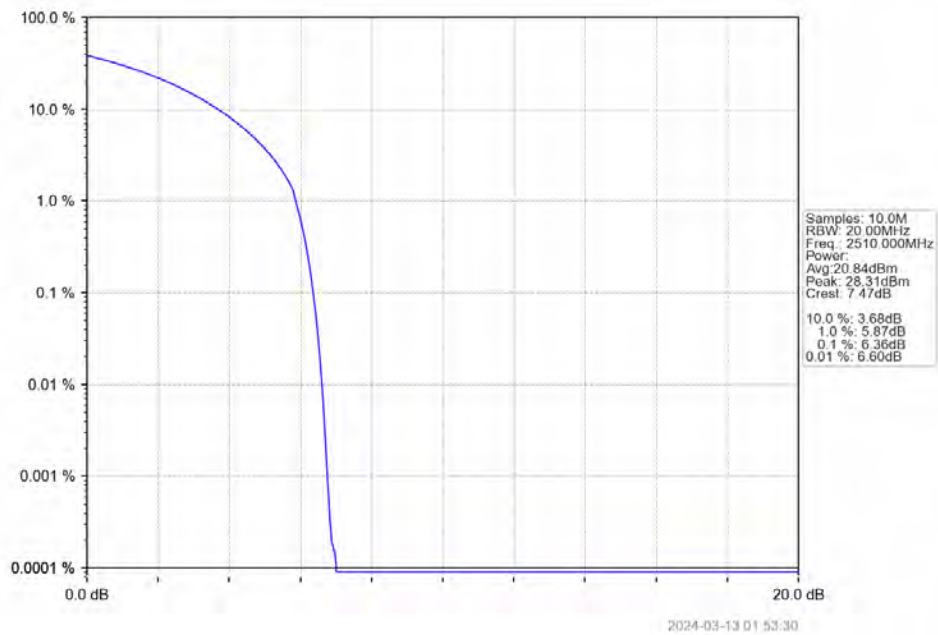
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 2535MHz Outer Full



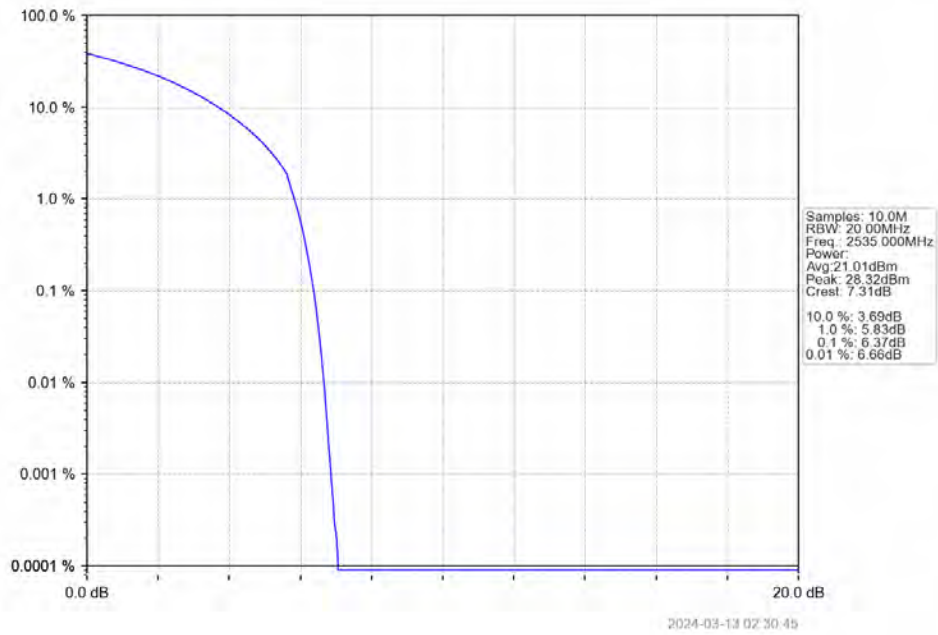
n7 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 2560MHz Outer Full



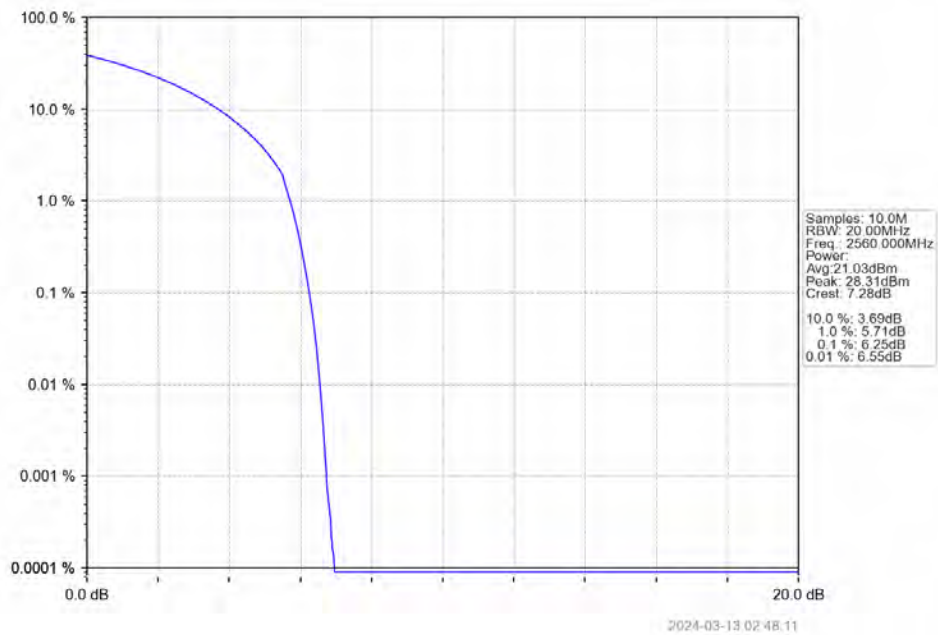
n7 15kHz SISO NTN 20MHz CP-OFDM QPSK 2510MHz Outer Full



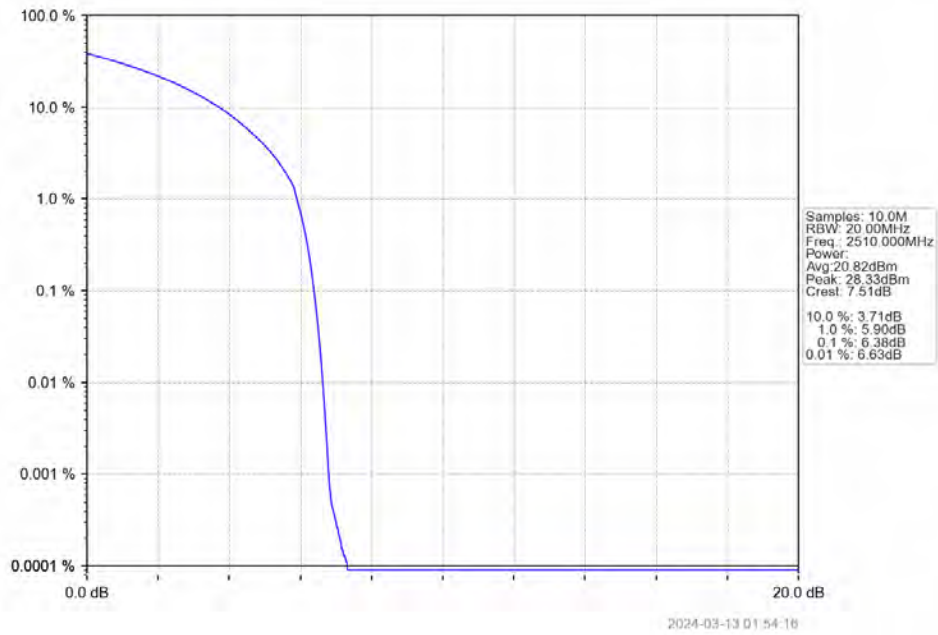
n7 15kHz SISO NTN 20MHz CP-OFDM QPSK 2535MHz Outer Full



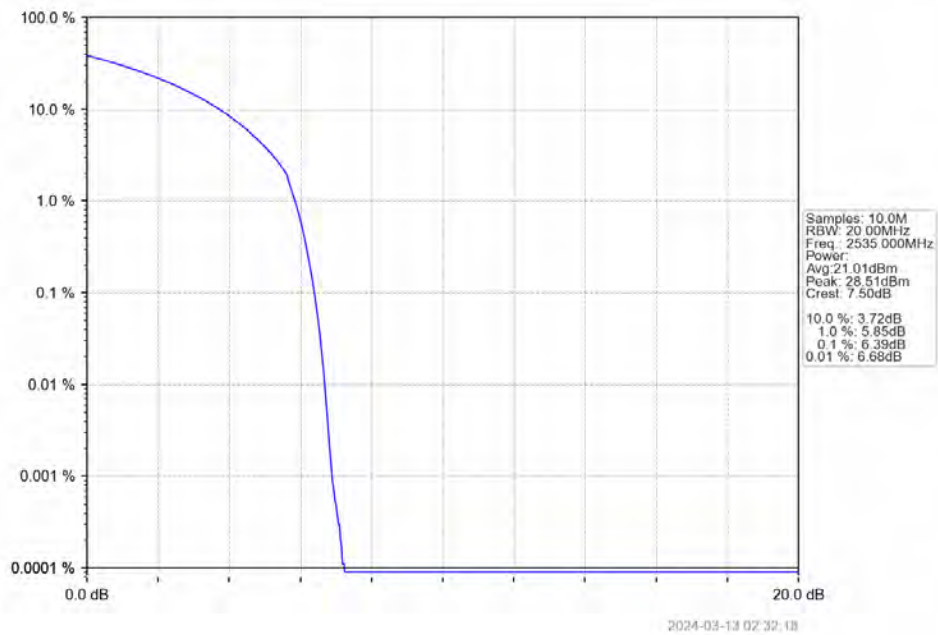
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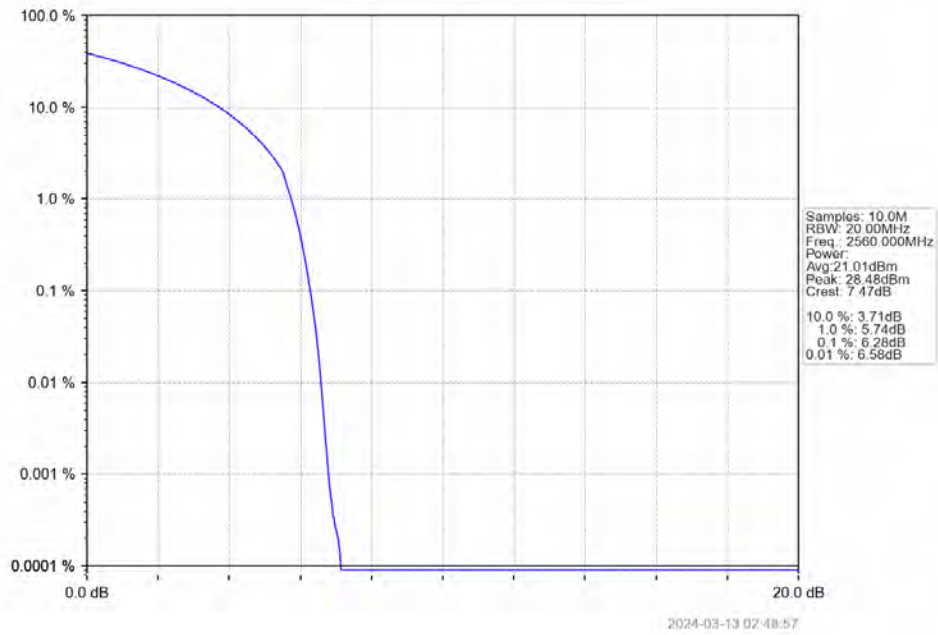
n7 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 2510MHz Outer Full



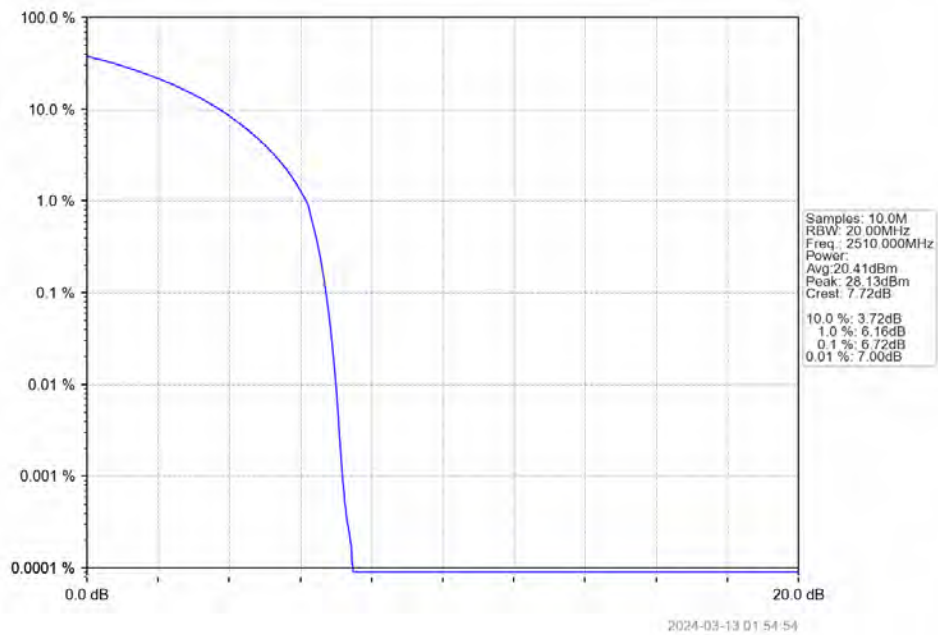
n7 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 2535MHz Outer Full



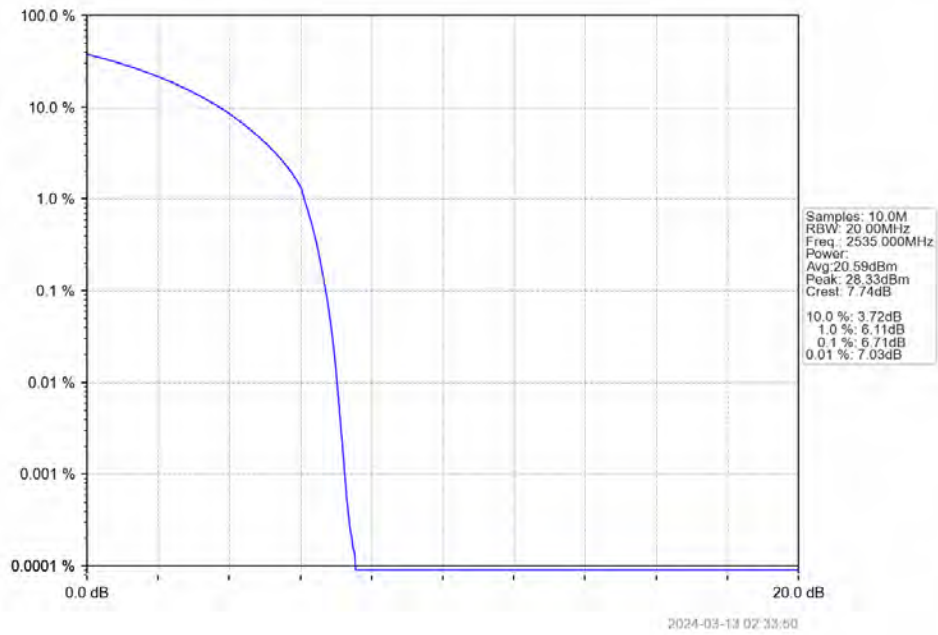
n7 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 2560MHz Outer Full



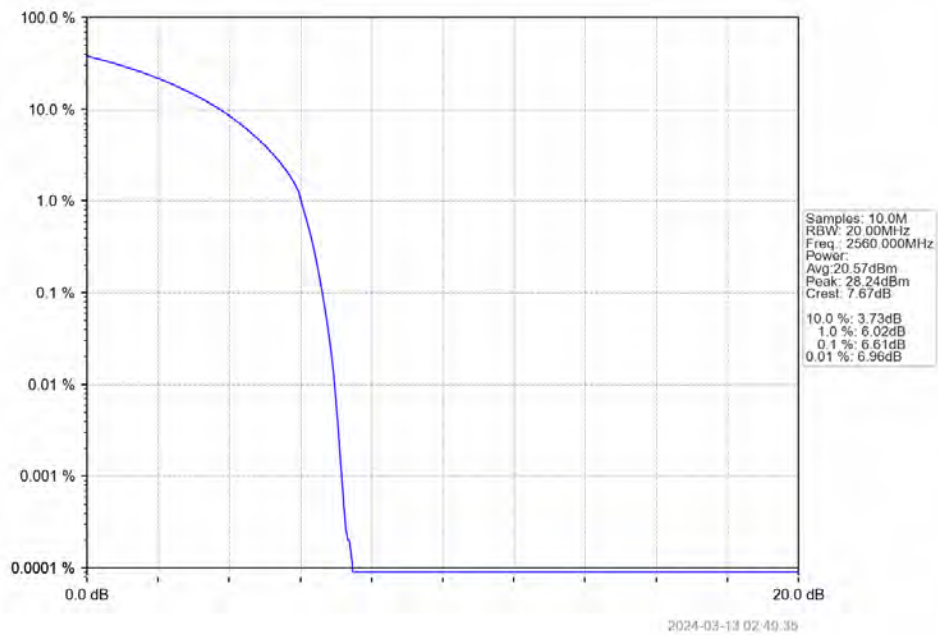
n7 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 2510MHz Outer Full



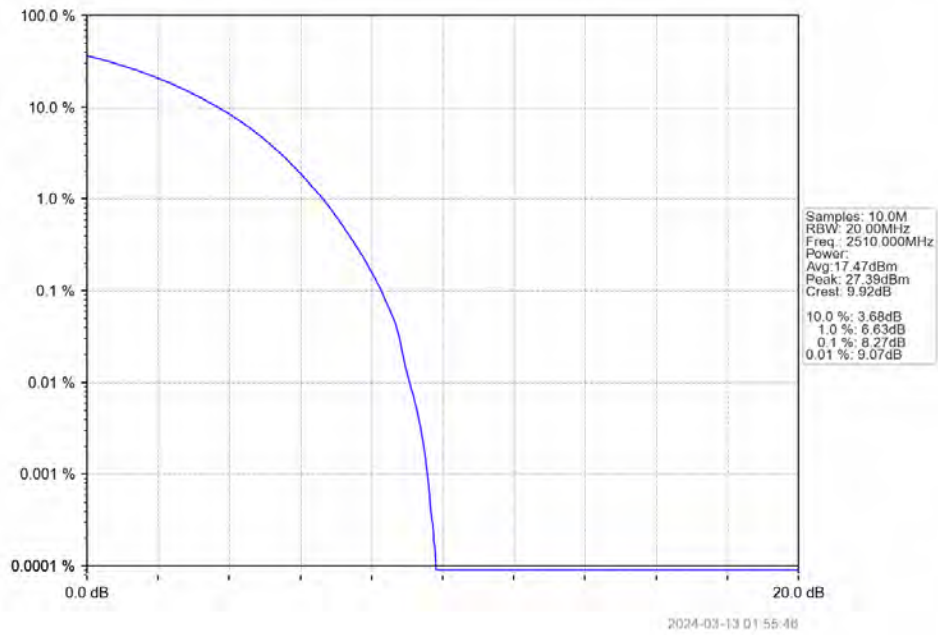
n7 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 2535MHz Outer Full



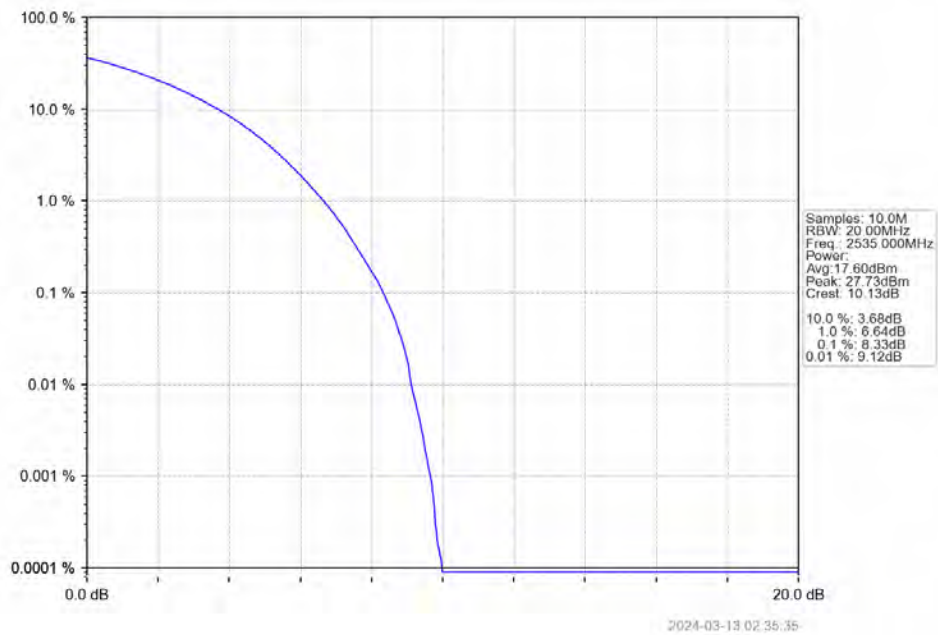
n7 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 2560MHz Outer Full



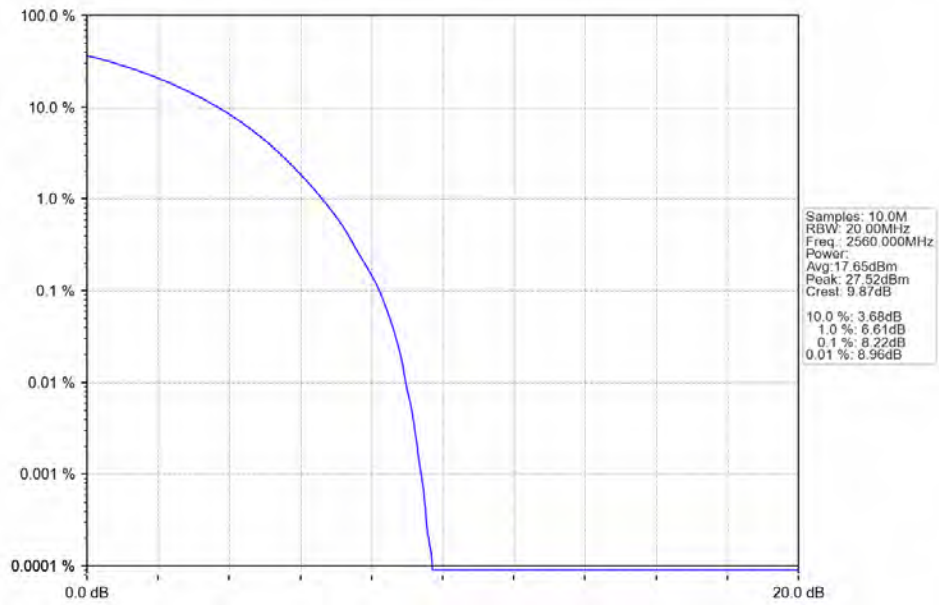
n7 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 2510MHz Outer Full



n7 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 2535MHz Outer Full



n7 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 2560MHz Outer Full



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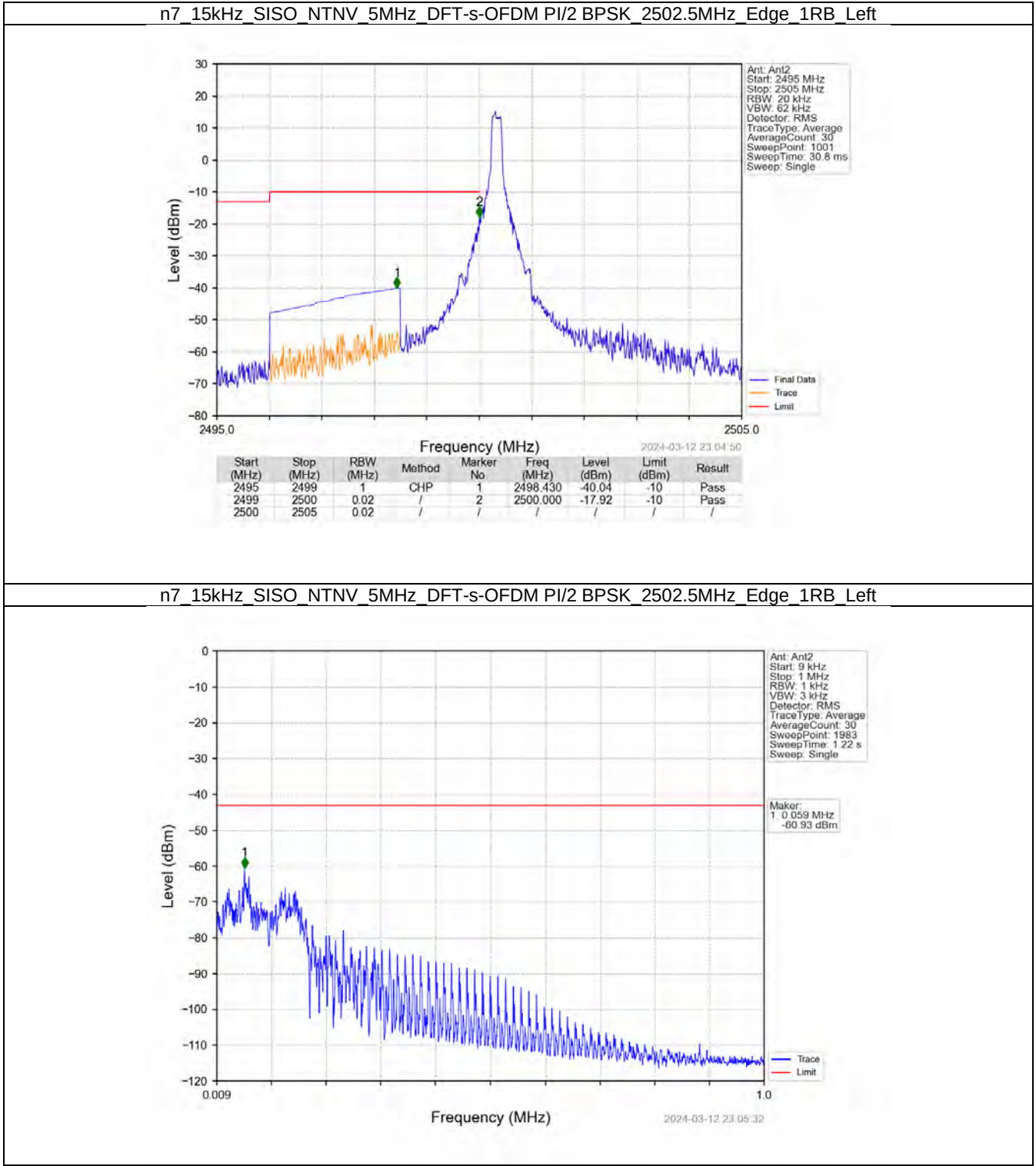
5. Spurious Emission

5.1 15k_SISO_5MHz_NTNV

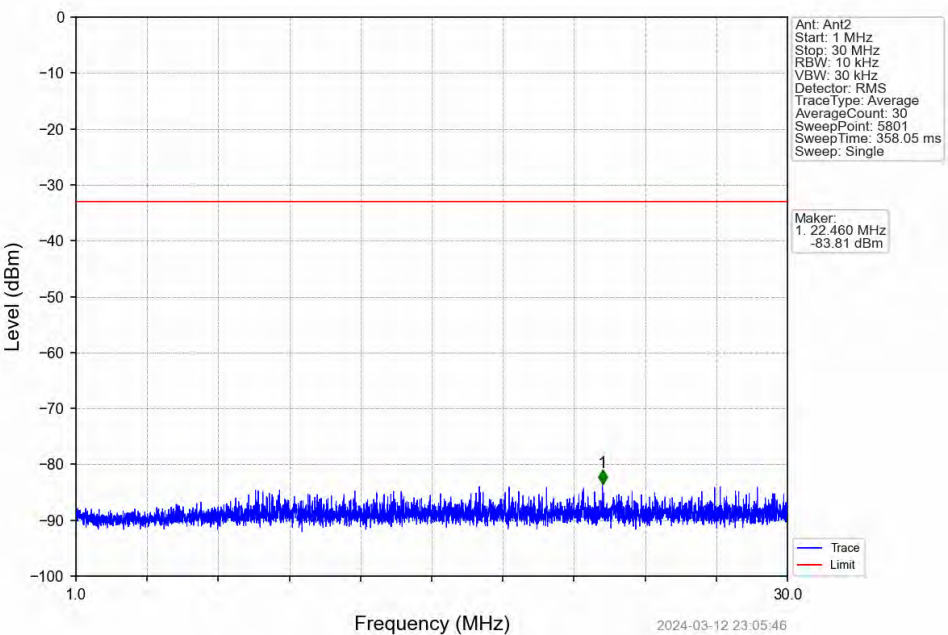
5.1.1 Test Result

5G NR n7 SCS=15kHz SISO 5MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant2	Ant2*	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	2502.5	Edge 1RB Left	Refer To Test Graph				Pass	
		Outer Full	Refer To Test Graph				Pass	
		Inner 1RB Left	Refer To Test Graph				Pass	
	2535	Edge 1RB Left	Refer To Test Graph				Pass	
		2567.5	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	2502.5	Edge 1RB Left	Refer To Test Graph				Pass
			Outer Full	Refer To Test Graph				Pass
Inner 1RB Left			Refer To Test Graph				Pass	
2535		Edge 1RB Left	Refer To Test Graph				Pass	
		2567.5	Edge 1RB Right	Refer To Test Graph				Pass
Outer Full			Refer To Test Graph				Pass	
Inner 1RB Right			Refer To Test Graph				Pass	

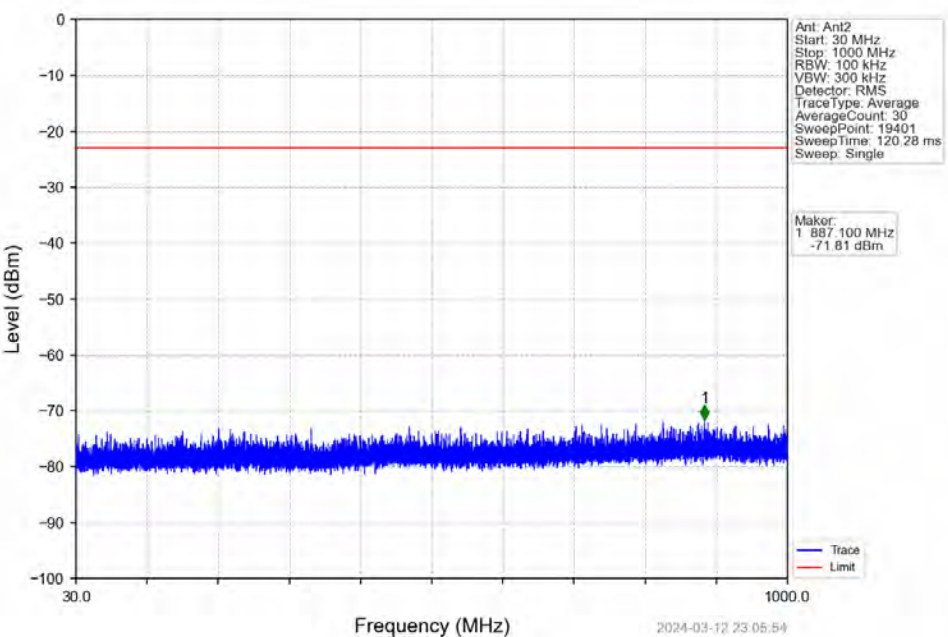
5.1.2 Test Graph



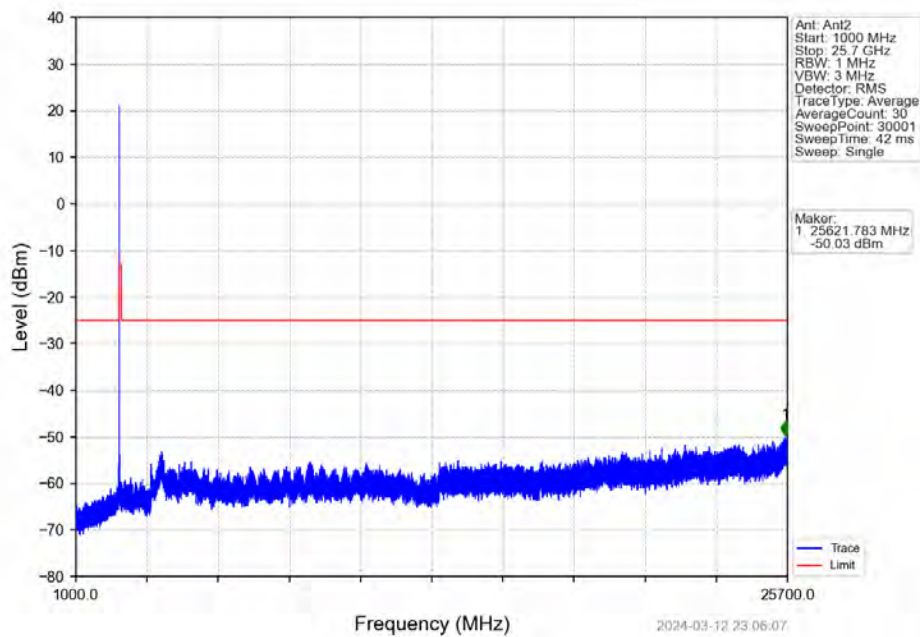
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2502.5MHz Edge 1RB Left



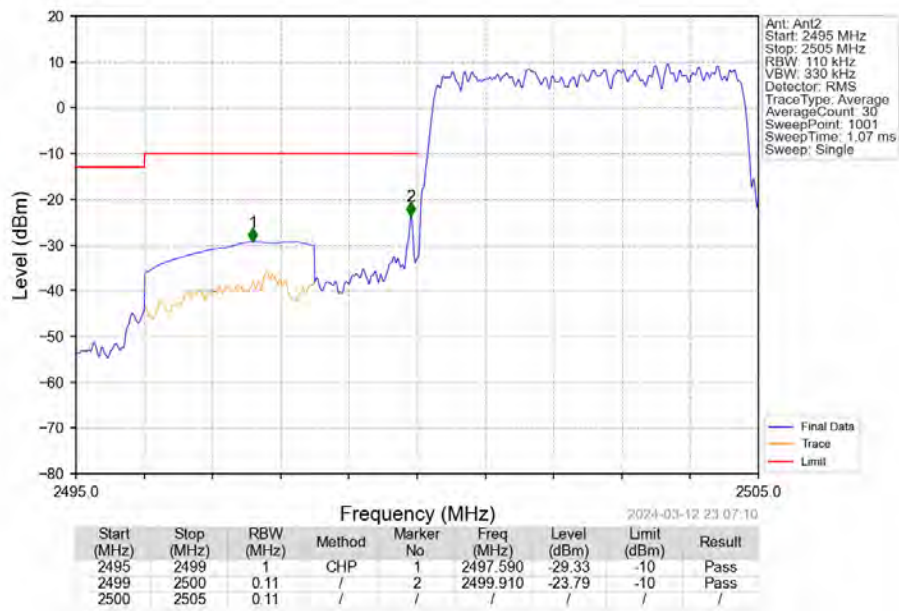
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2502.5MHz Edge 1RB Left



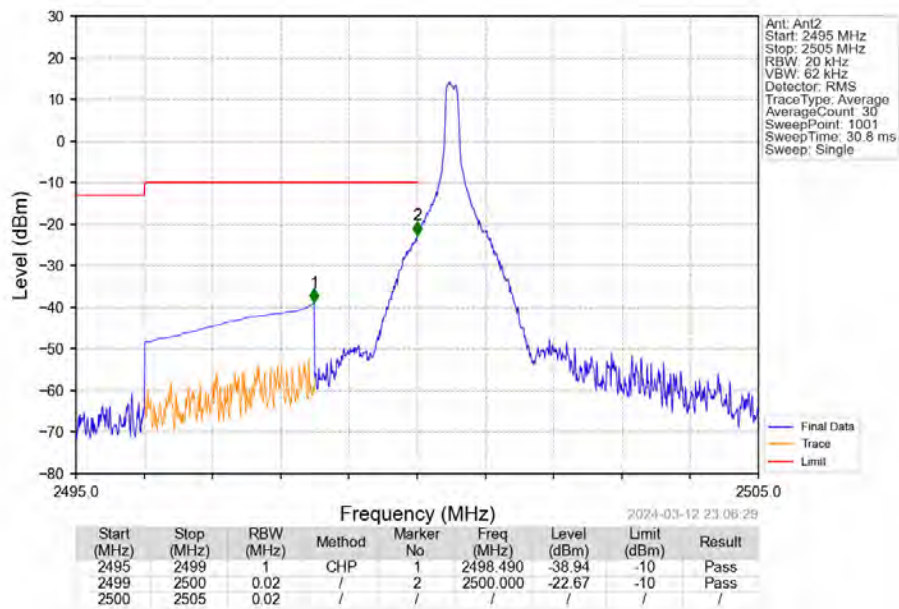
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2502.5MHz Edge 1RB Left



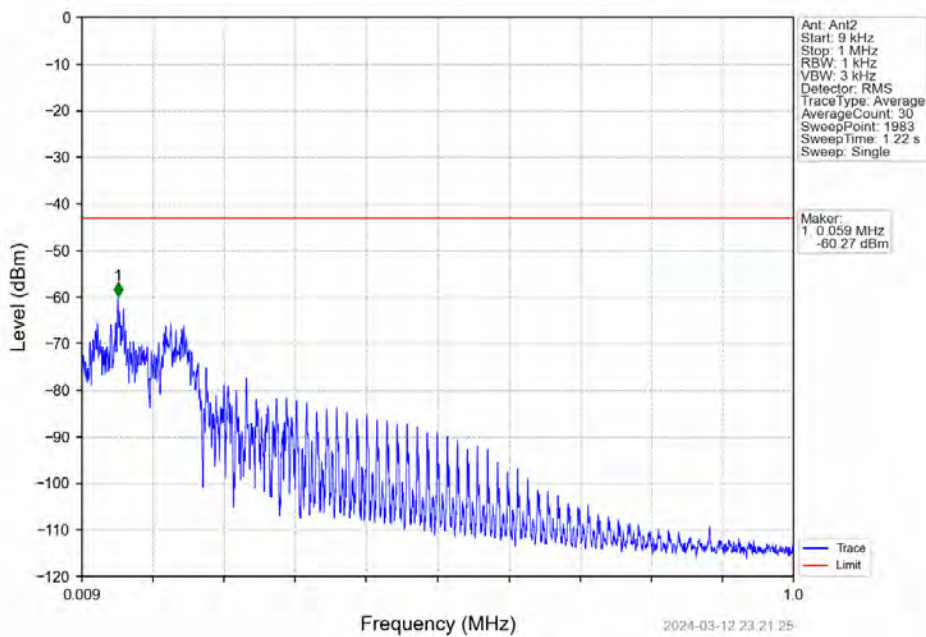
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2502.5MHz Outer Full



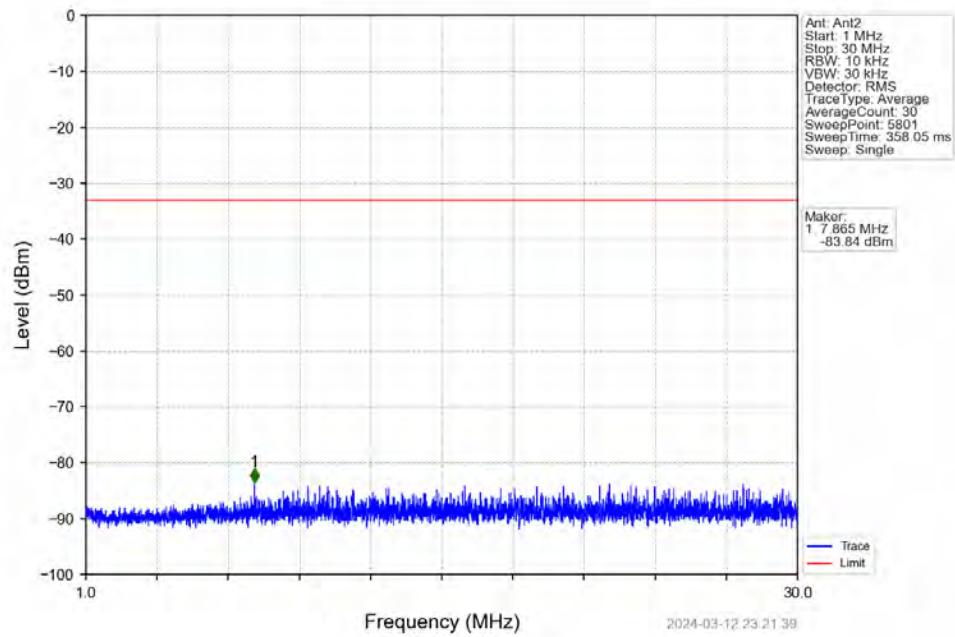
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2502.5MHz Inner 1RB Left



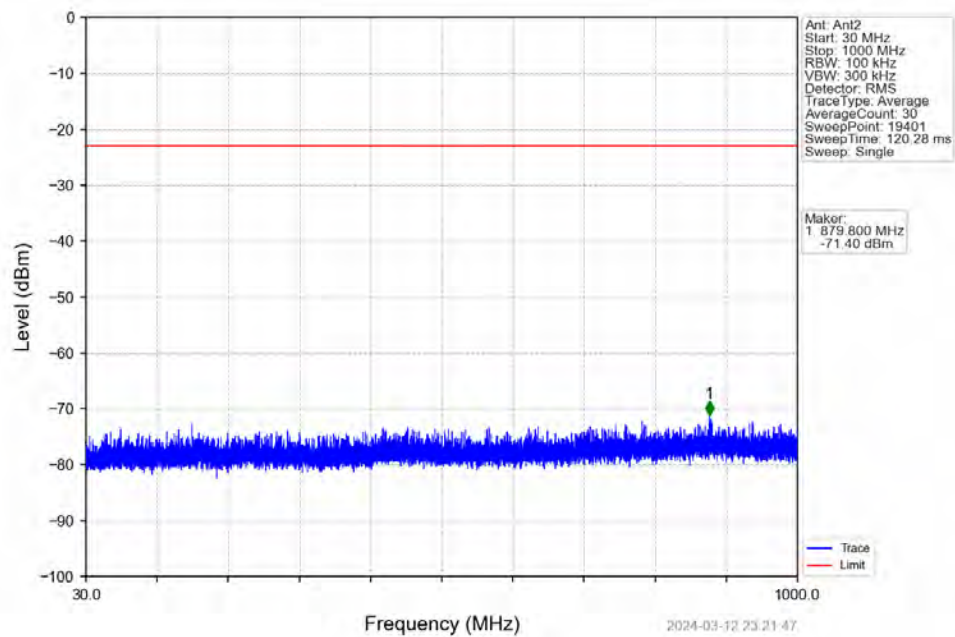
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left



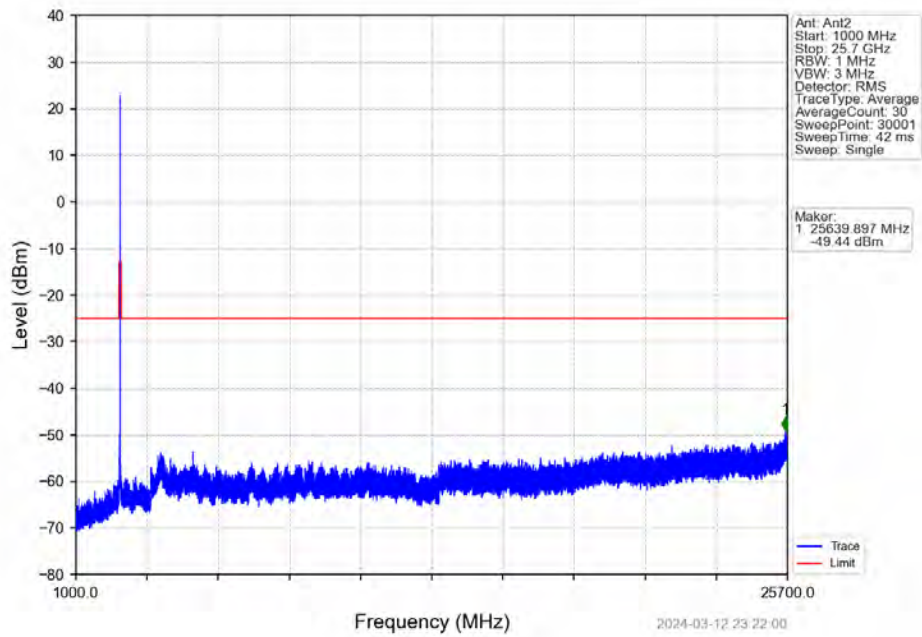
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left



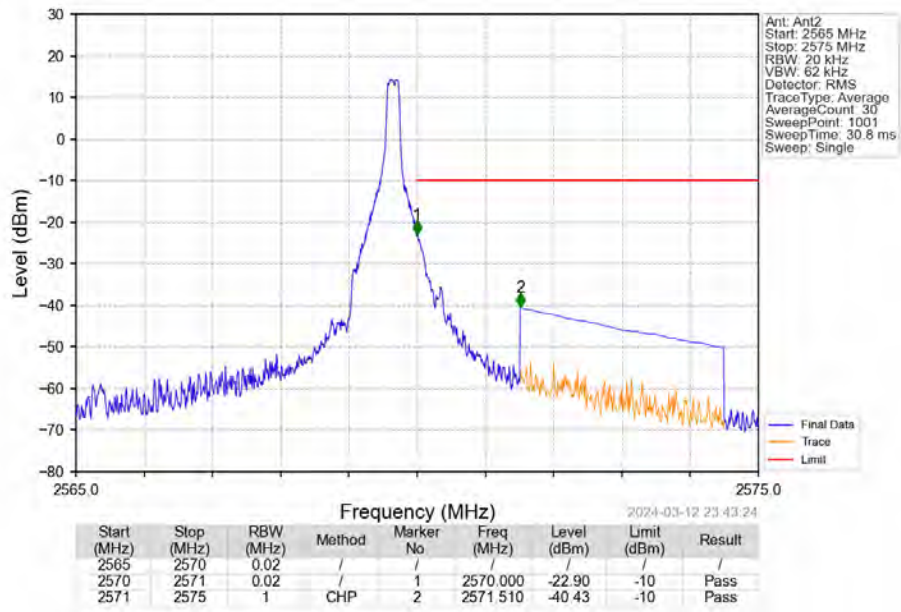
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left



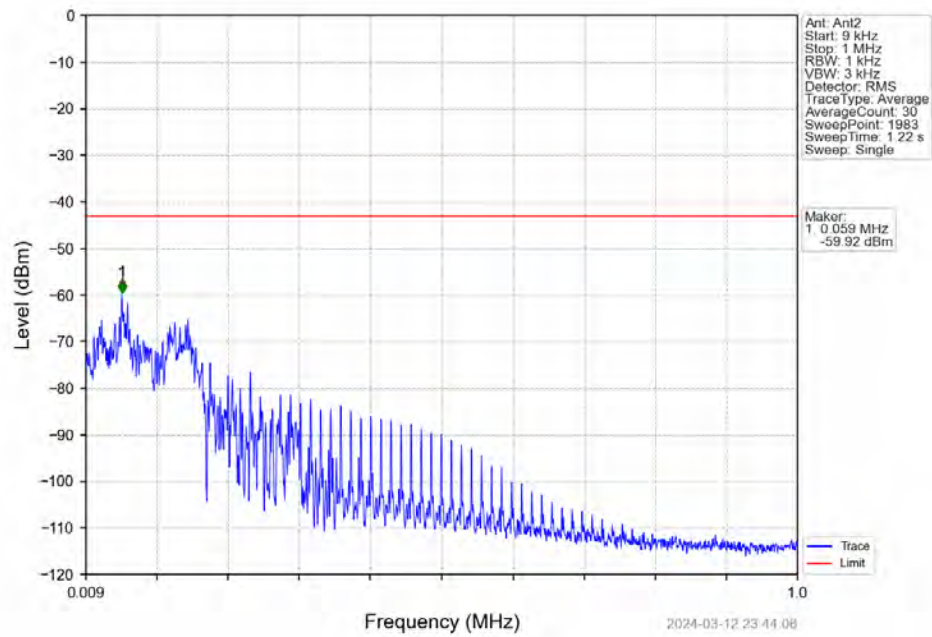
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left



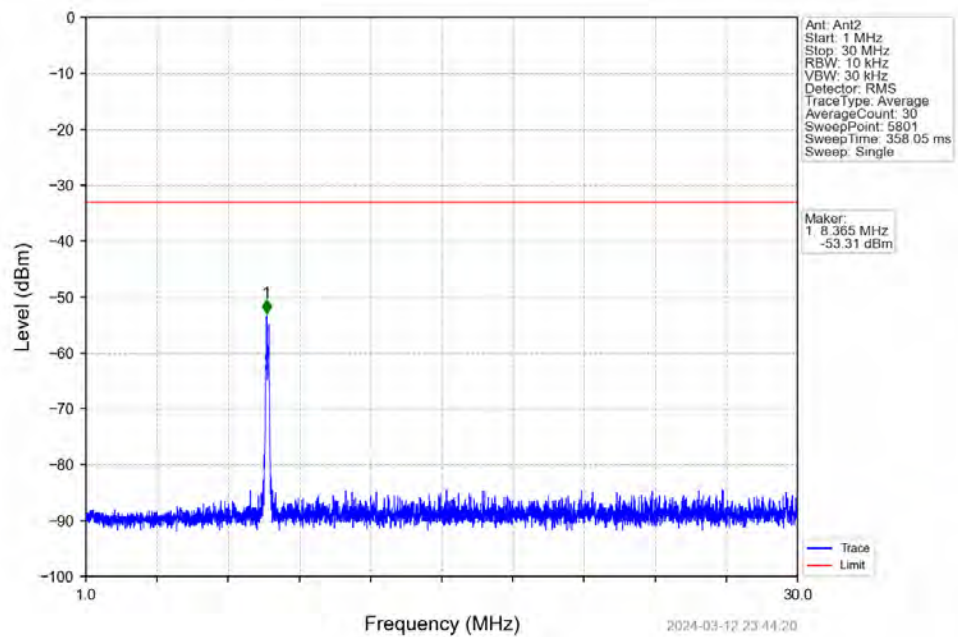
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2567.5MHz Edge 1RB Right



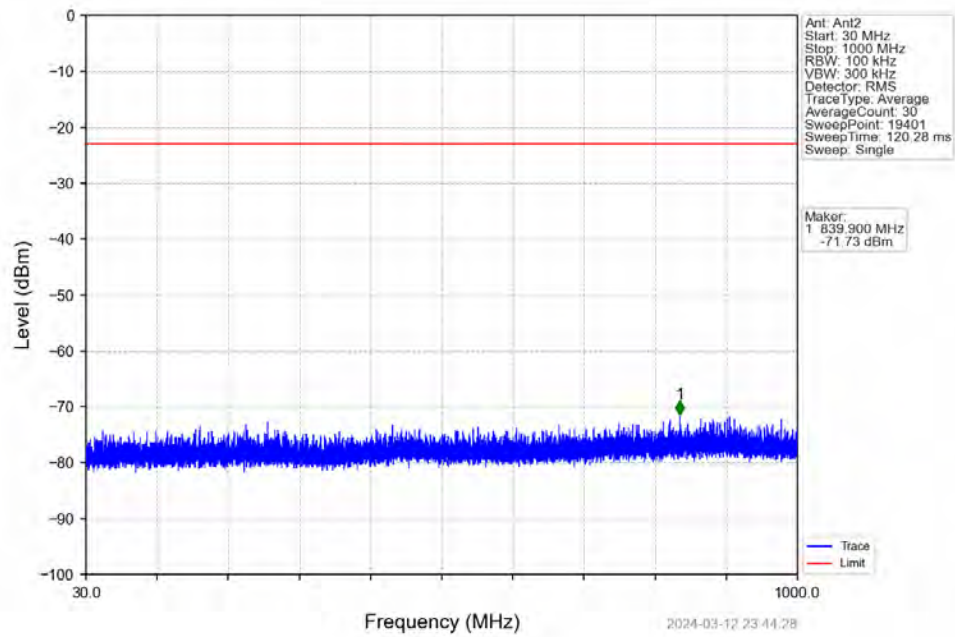
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2567.5MHz Edge 1RB Right



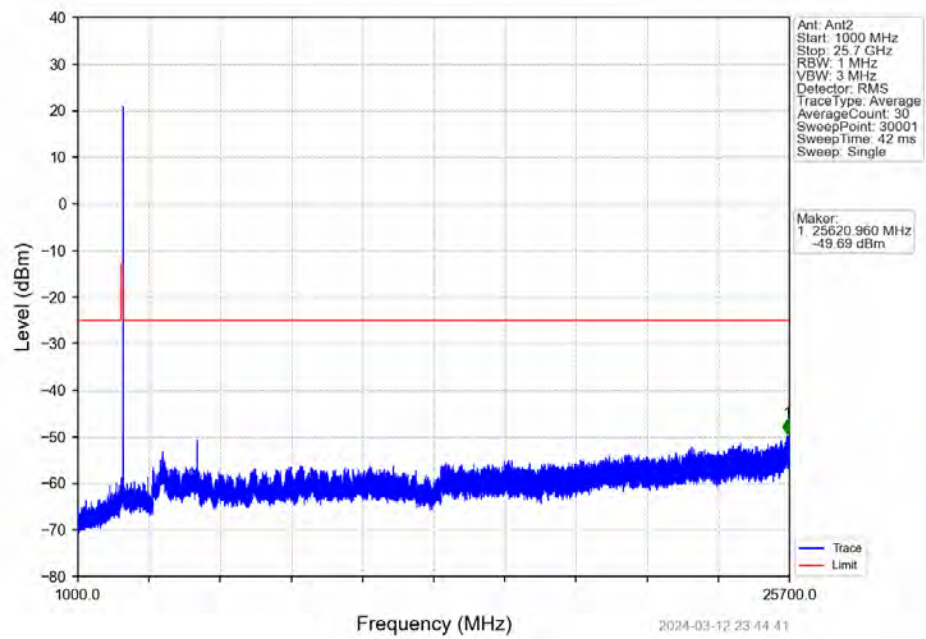
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2567.5MHz Edge 1RB Right



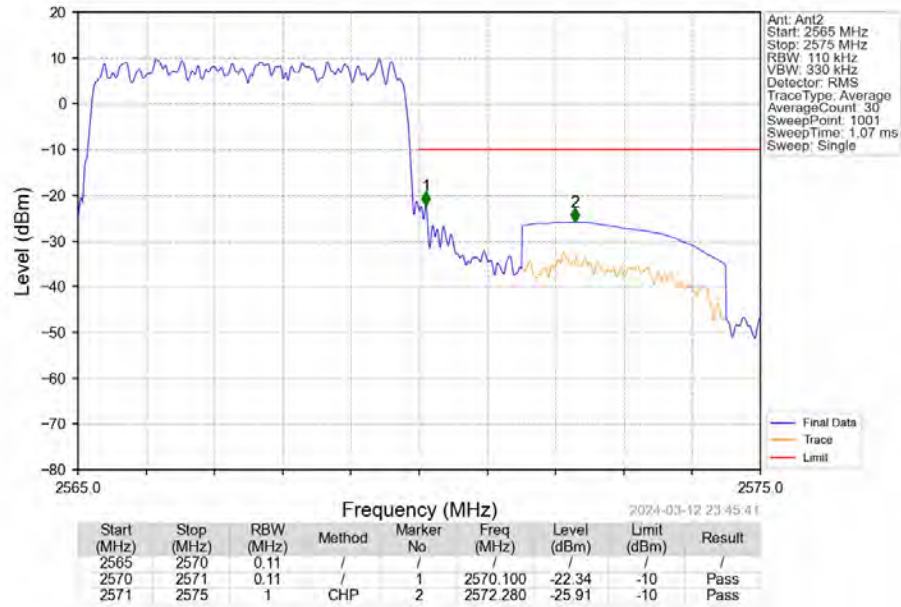
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2567.5MHz Edge 1RB Right



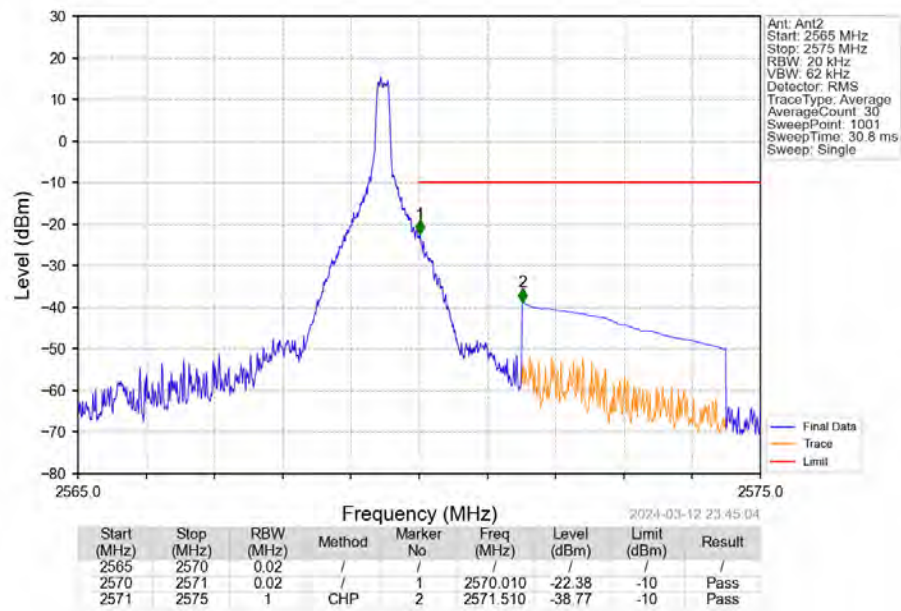
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2567.5MHz Edge 1RB Right



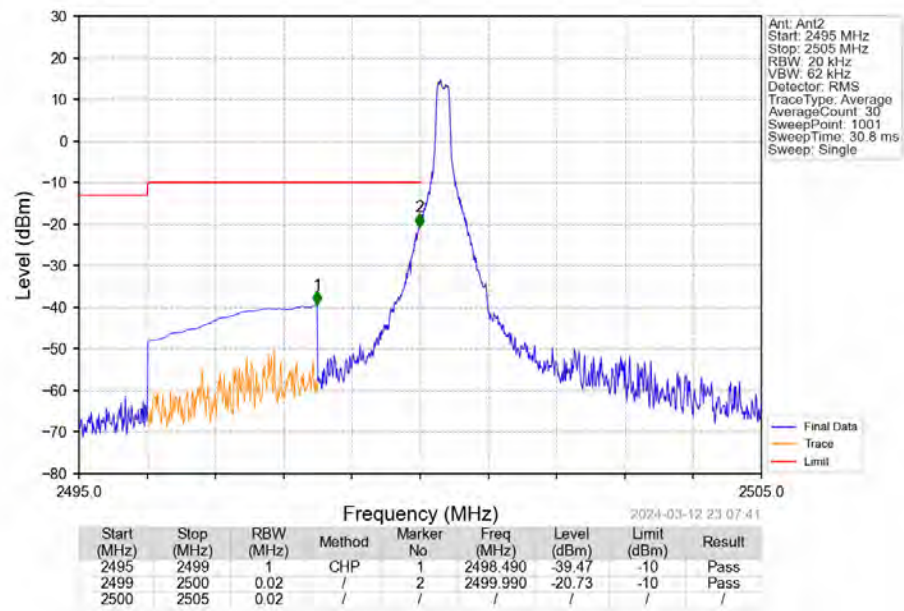
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2567.5MHz Outer Full



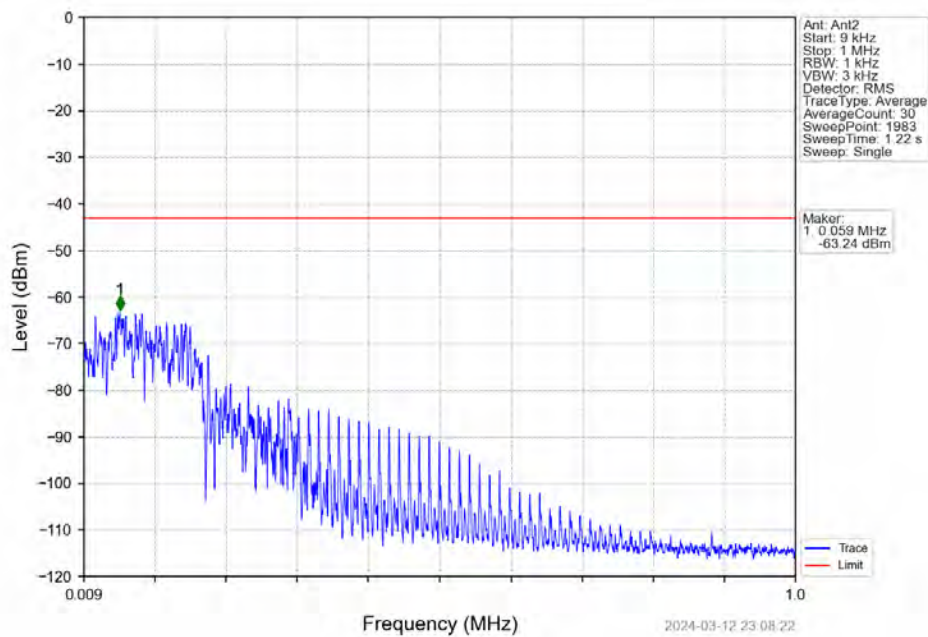
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2567.5MHz Inner 1RB Right



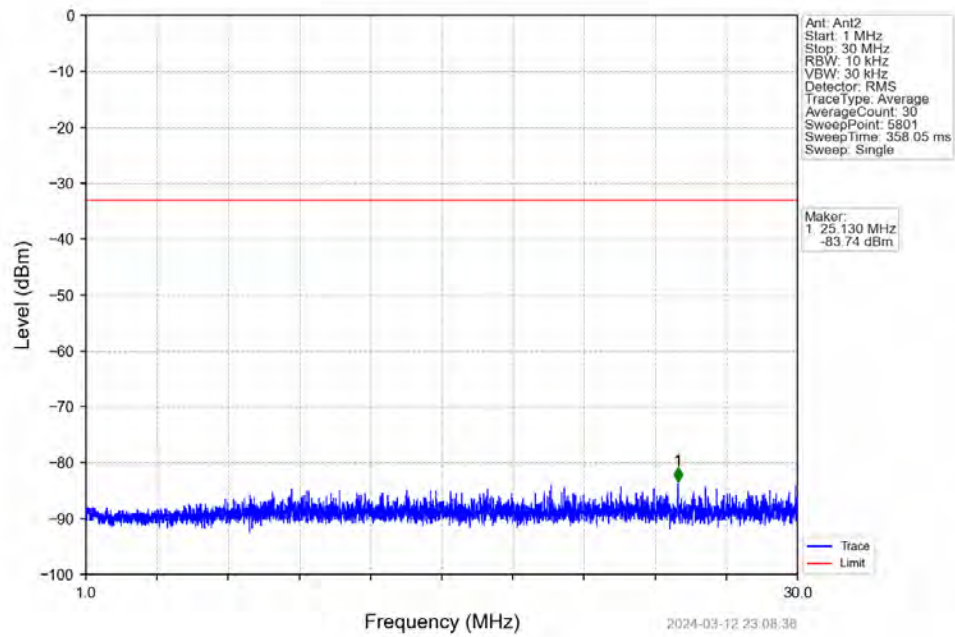
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2502.5MHz Edge 1RB Left



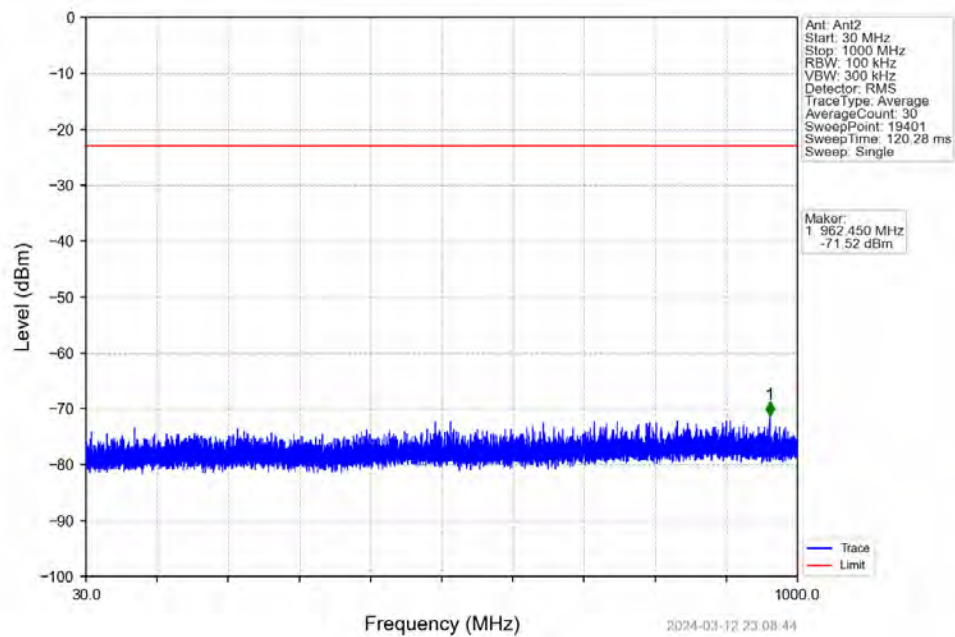
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2502.5MHz Edge 1RB Left



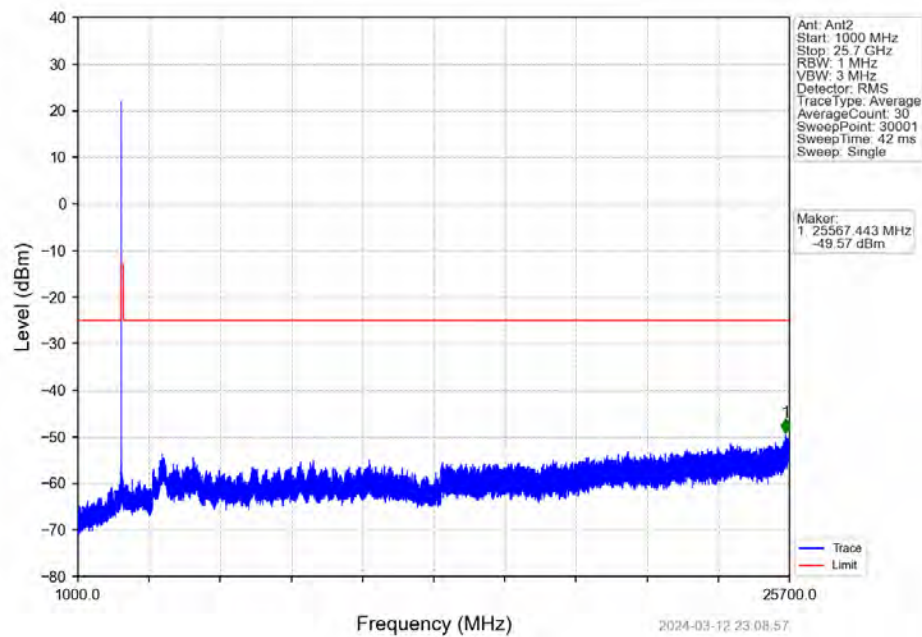
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2502.5MHz Edge 1RB Left



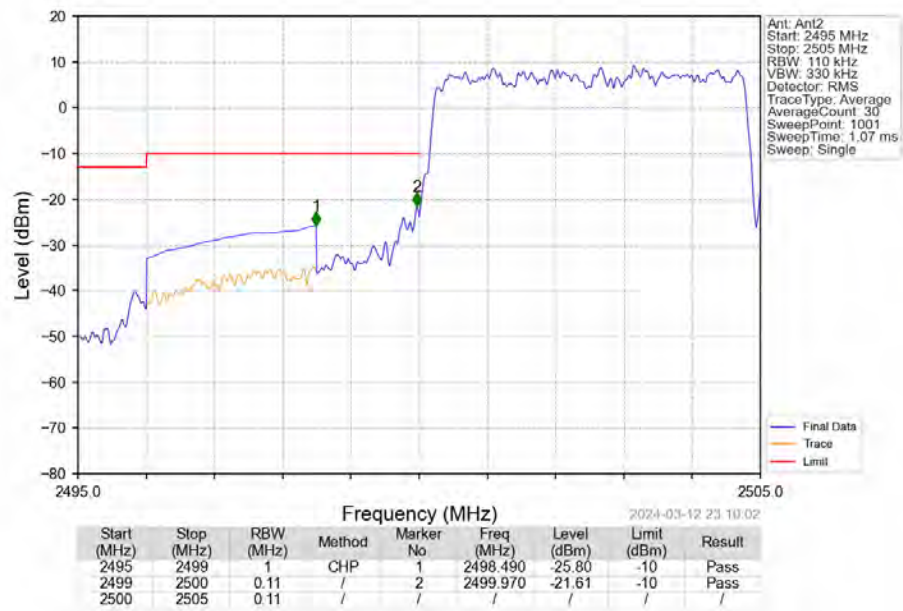
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2502.5MHz Edge 1RB Left



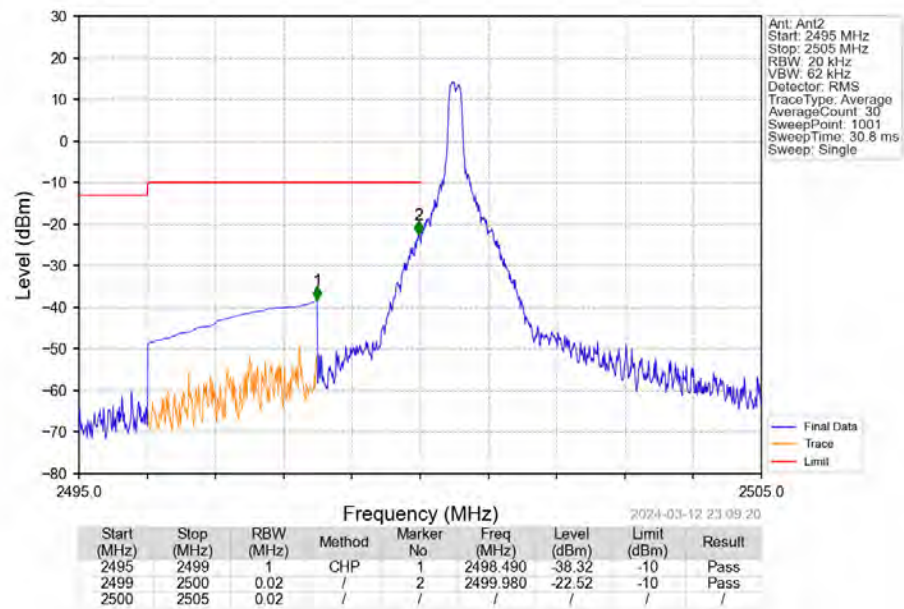
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2502.5MHz Edge 1RB Left



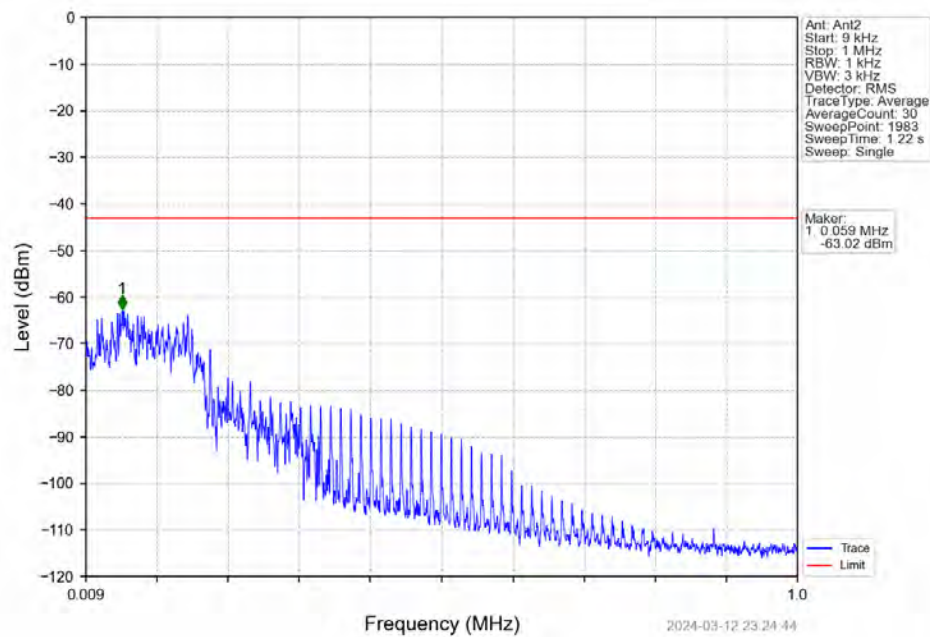
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2502.5MHz Outer Full



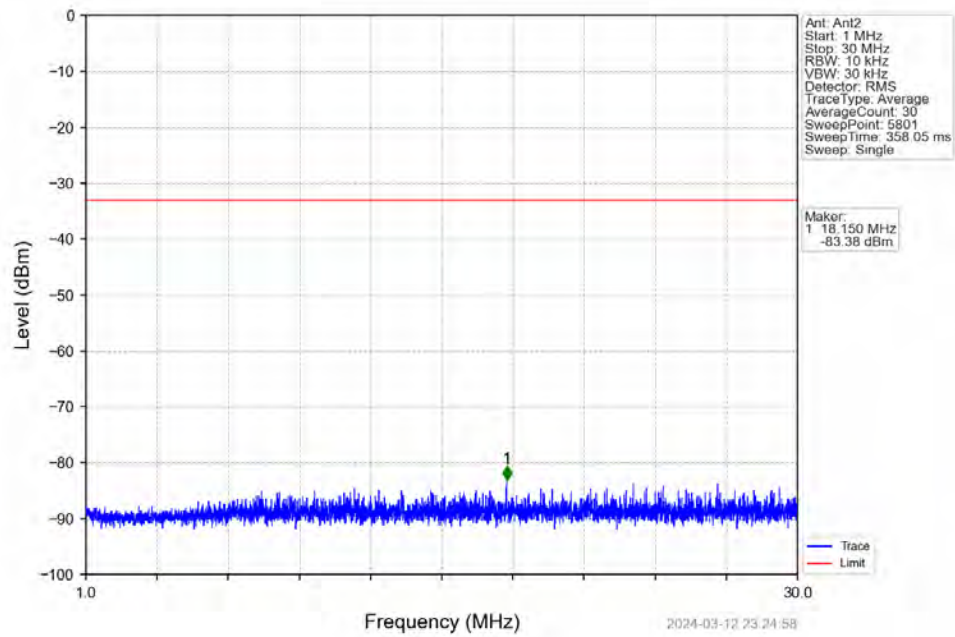
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2502.5MHz Inner 1RB Left



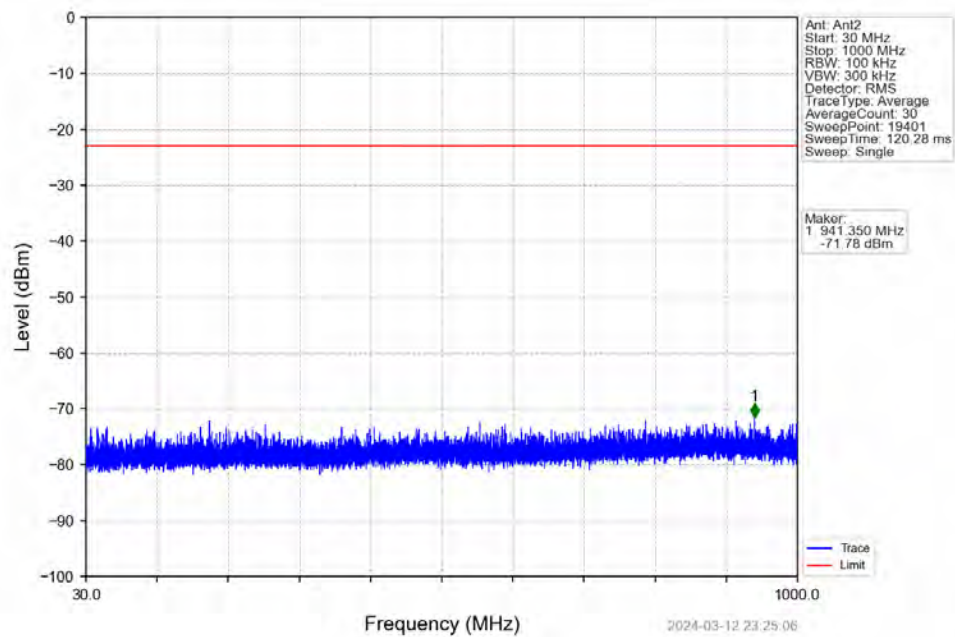
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2535MHz Edge 1RB Left



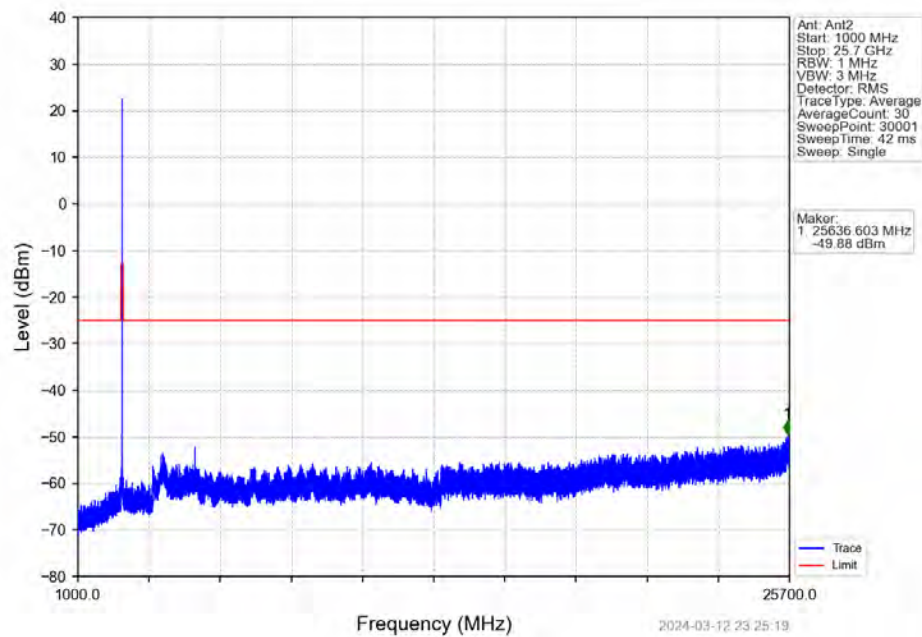
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2535MHz Edge 1RB Left



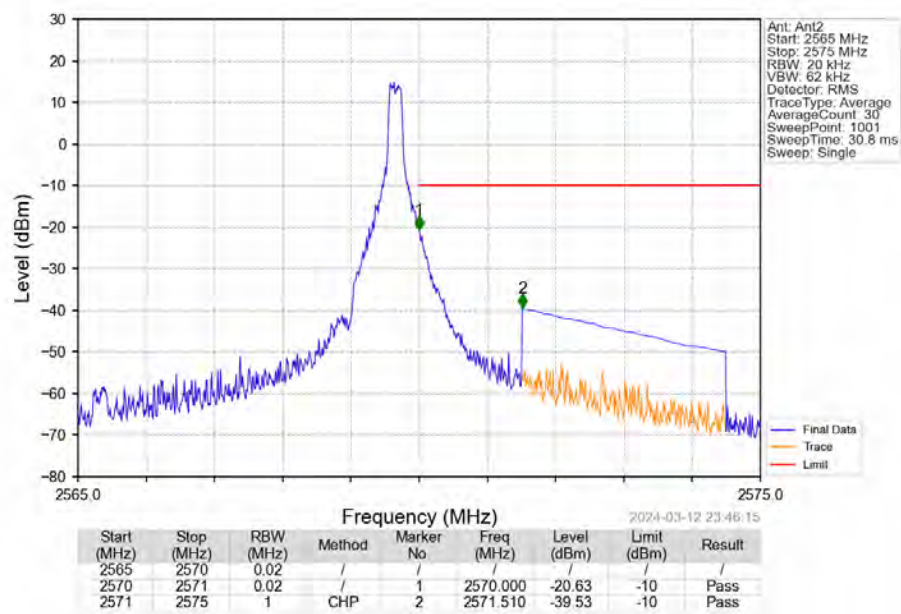
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2535MHz Edge 1RB Left



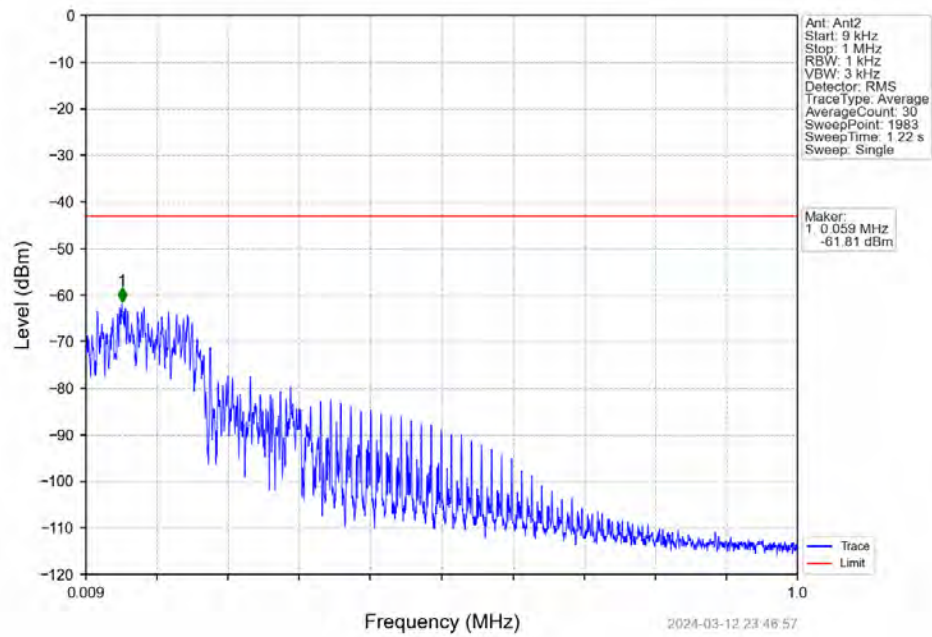
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2535MHz Edge 1RB Left



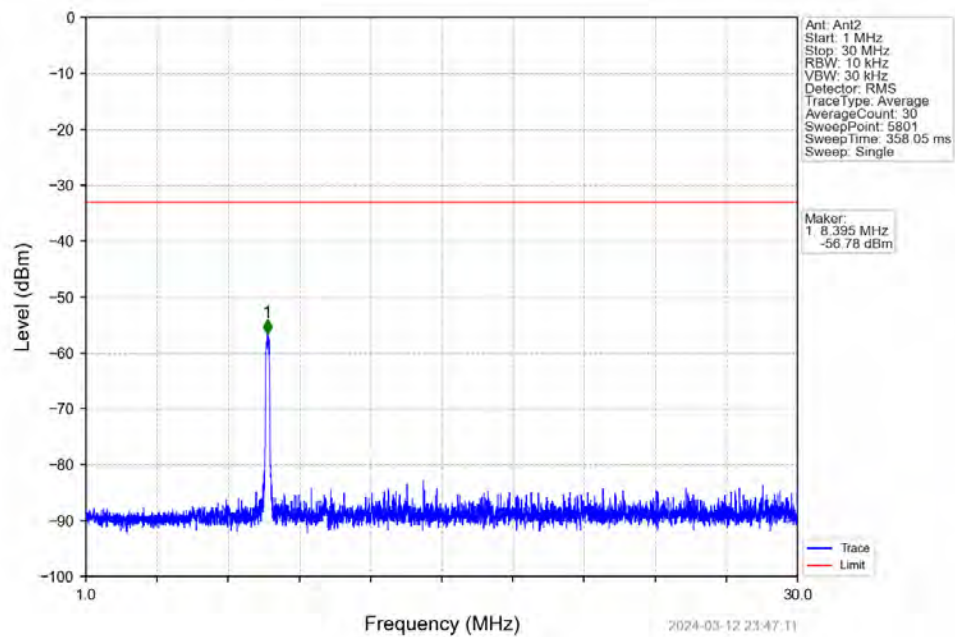
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2567.5MHz Edge 1RB Right



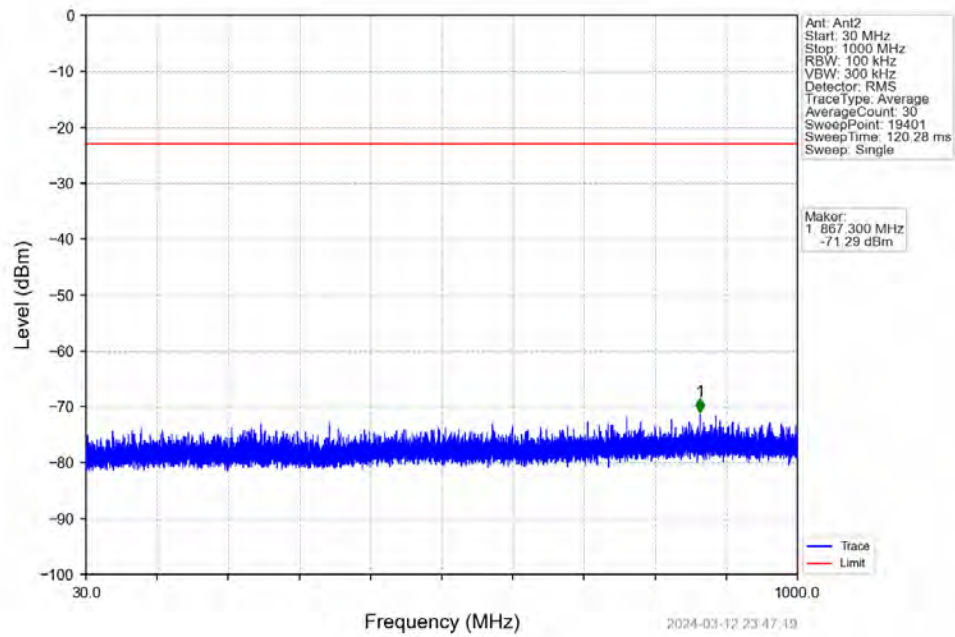
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2567.5MHz Edge 1RB Right



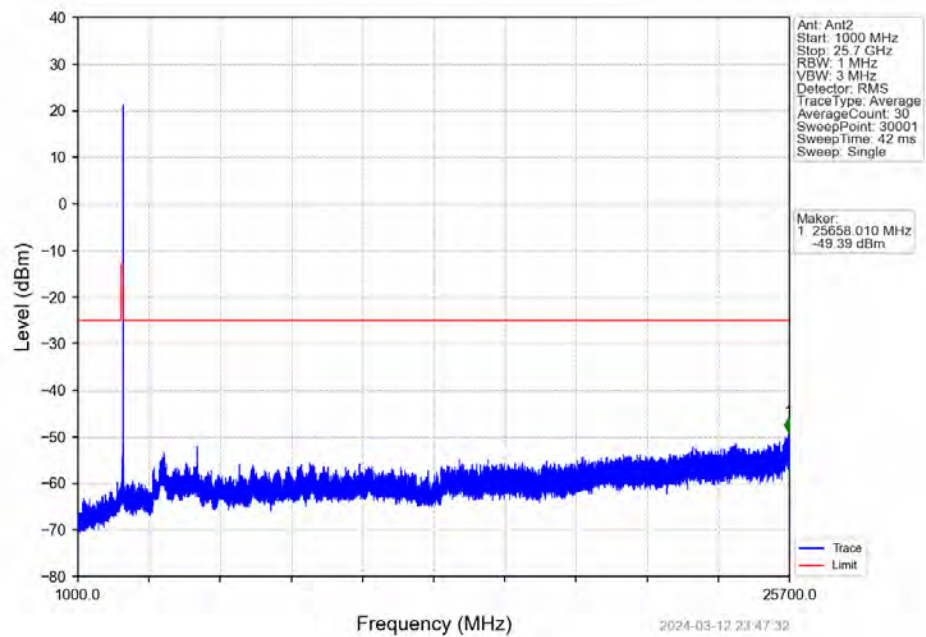
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2567.5MHz Edge 1RB Right



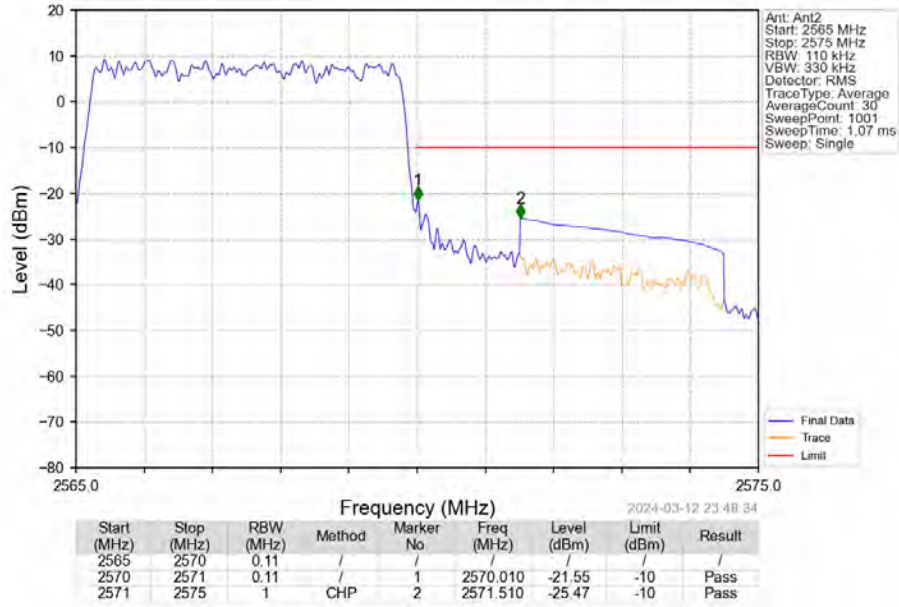
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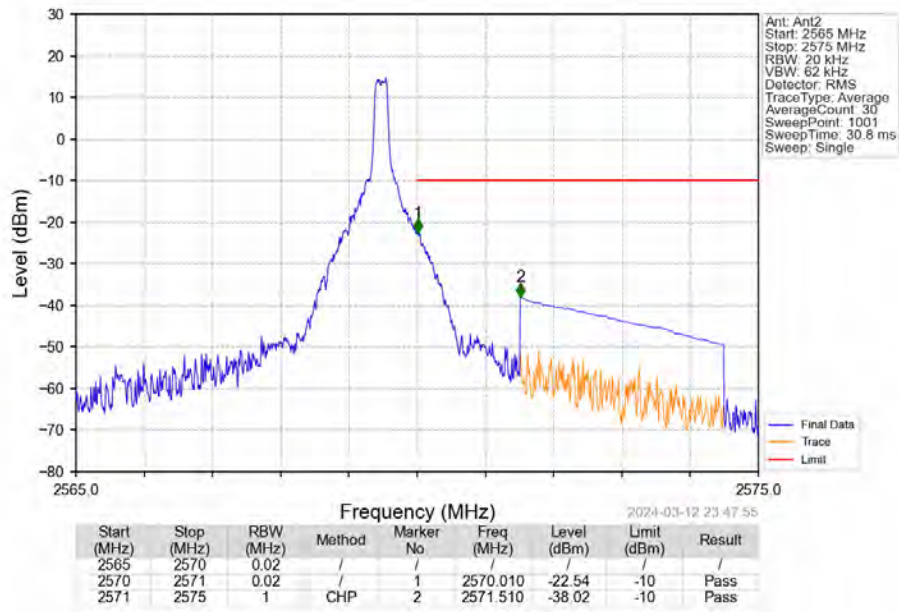
n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2567.5MHz Edge 1RB Right



n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2567.5MHz Outer Full



n7 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 2567.5MHz Inner 1RB Right

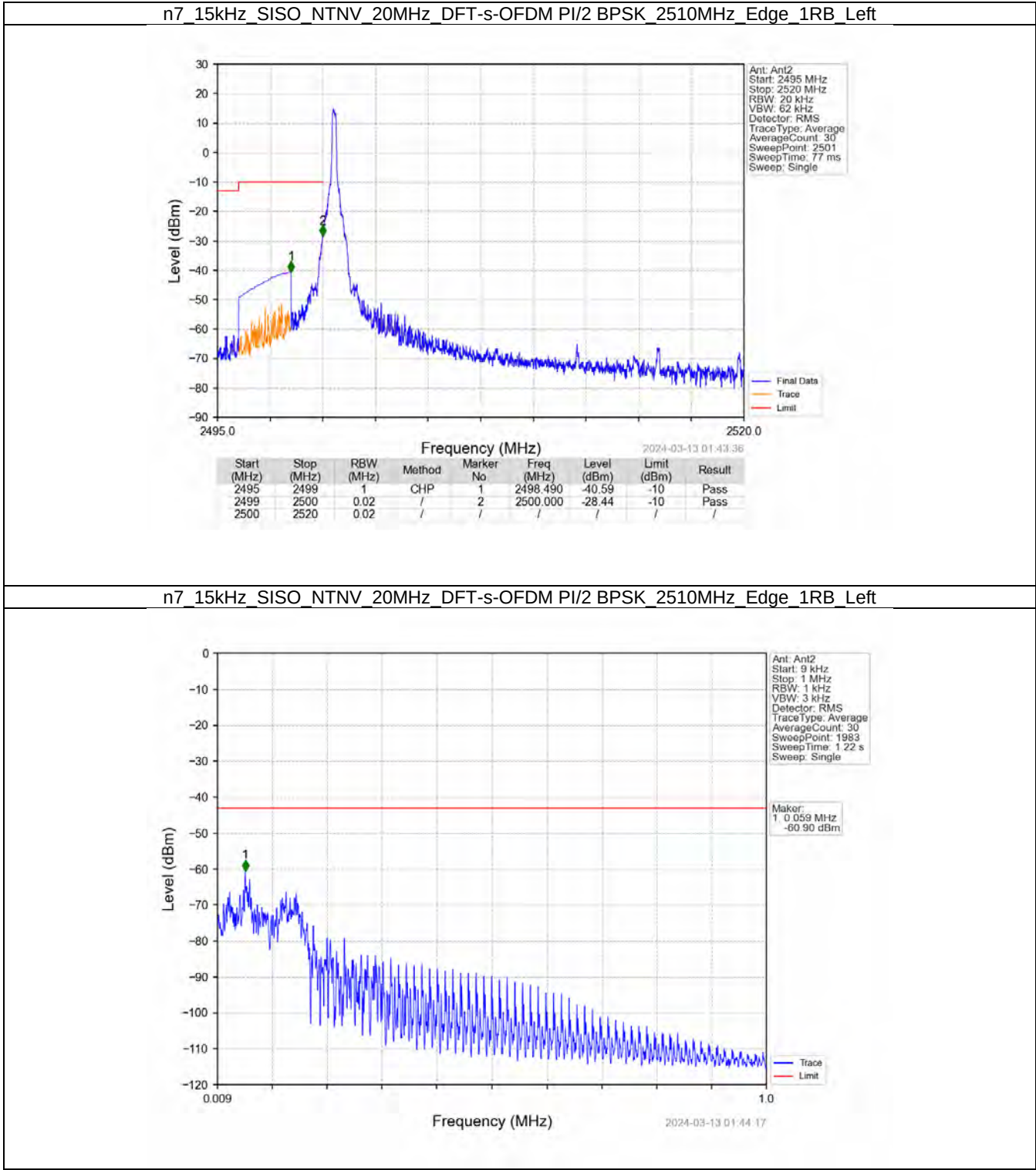


5.4 15k_SISO_20MHz_NTNV

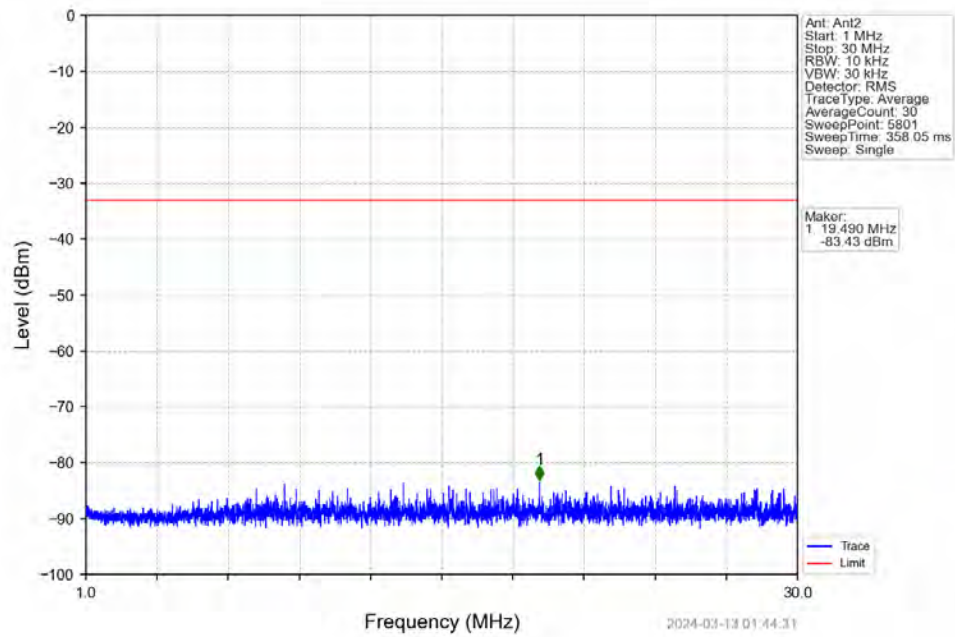
5.4.1 Test Result

5G NR n7 SCS=15kHz SISO 20MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant2	Ant2*	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	2510	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	2535	Edge_1RB_Left	Refer To Test Graph				Pass	
		2560	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	2510	Edge_1RB_Left	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Left			Refer To Test Graph				Pass	
2535		Edge_1RB_Left	Refer To Test Graph				Pass	
		2560	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Right	Refer To Test Graph				Pass			

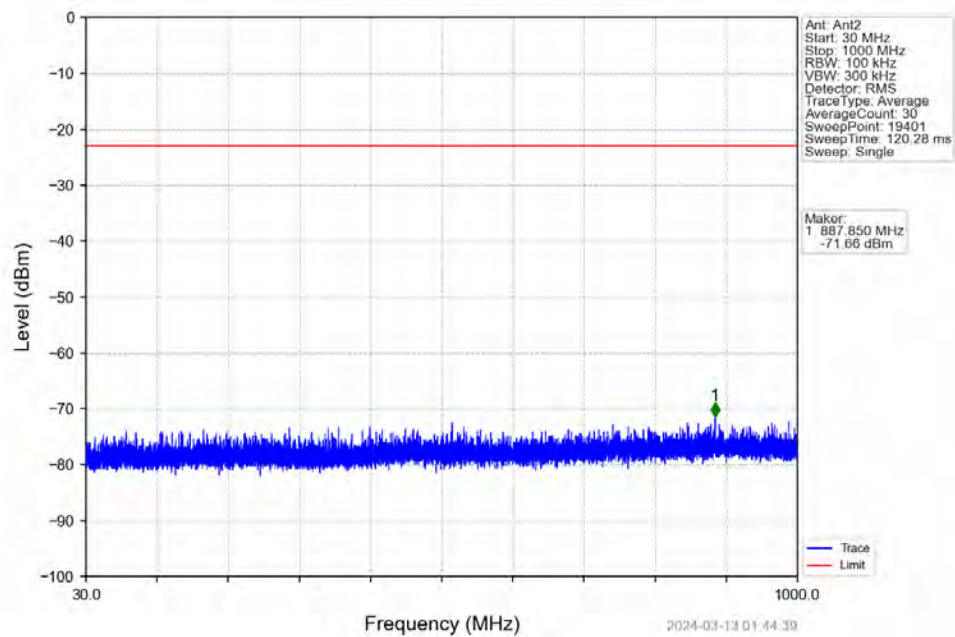
5.4.2 Test Graph



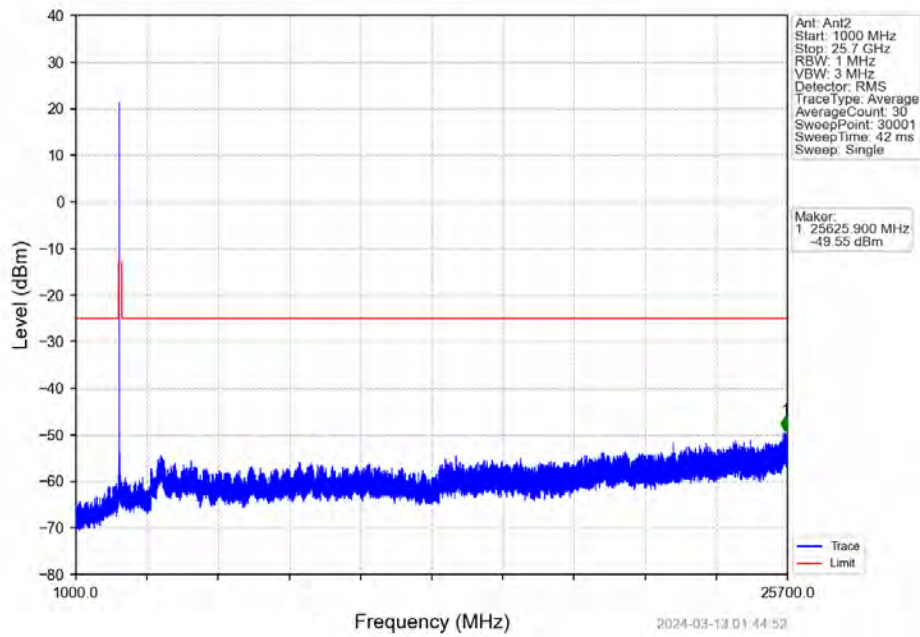
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2510MHz Edge 1RB Left



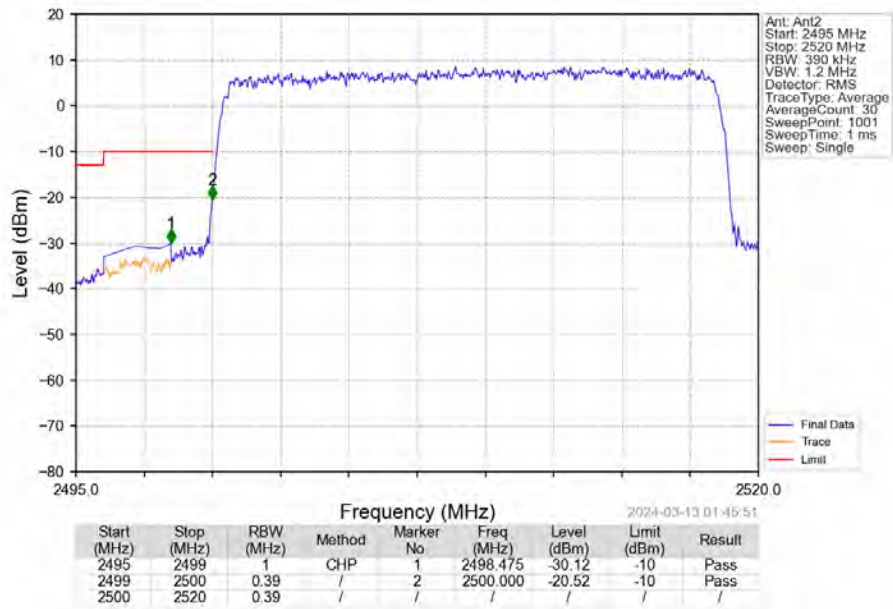
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2510MHz Edge 1RB Left



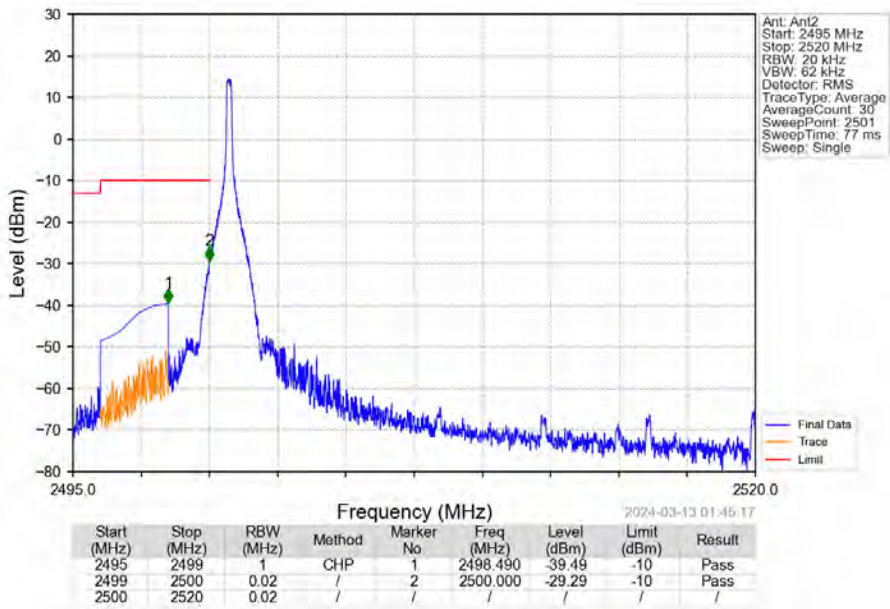
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2510MHz Edge 1RB Left



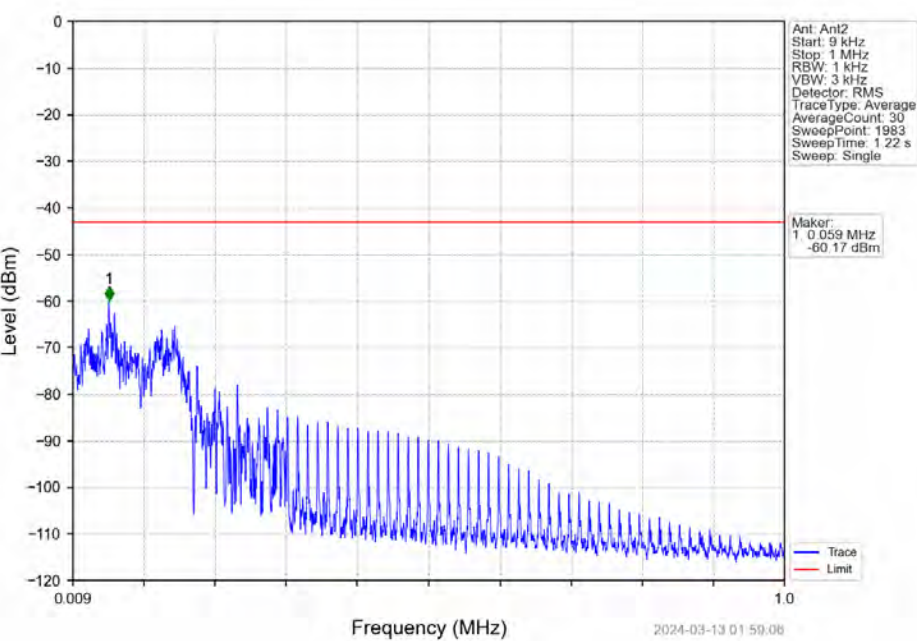
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2510MHz Outer Full



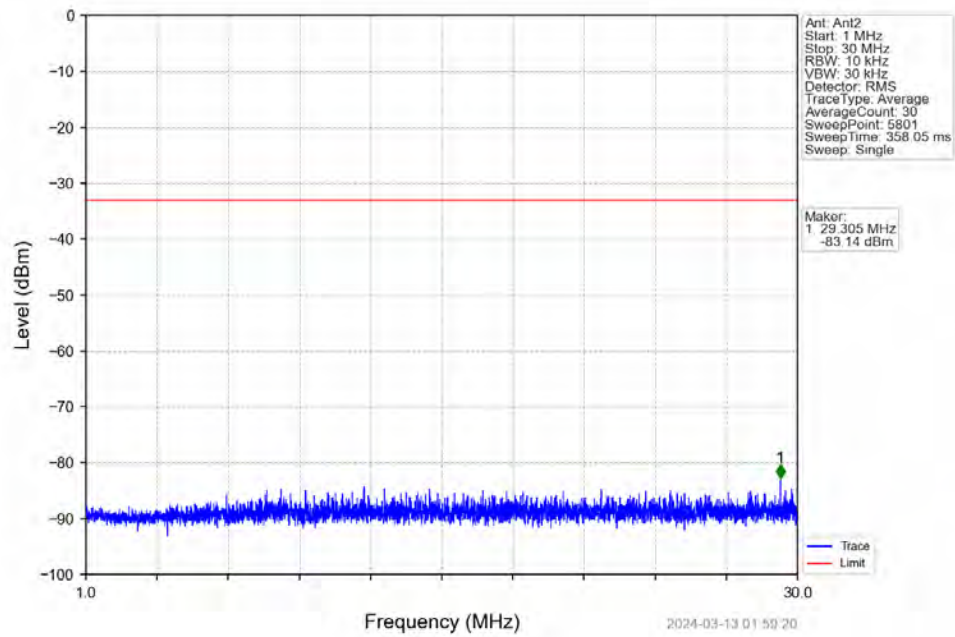
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2510MHz Inner 1RB Left



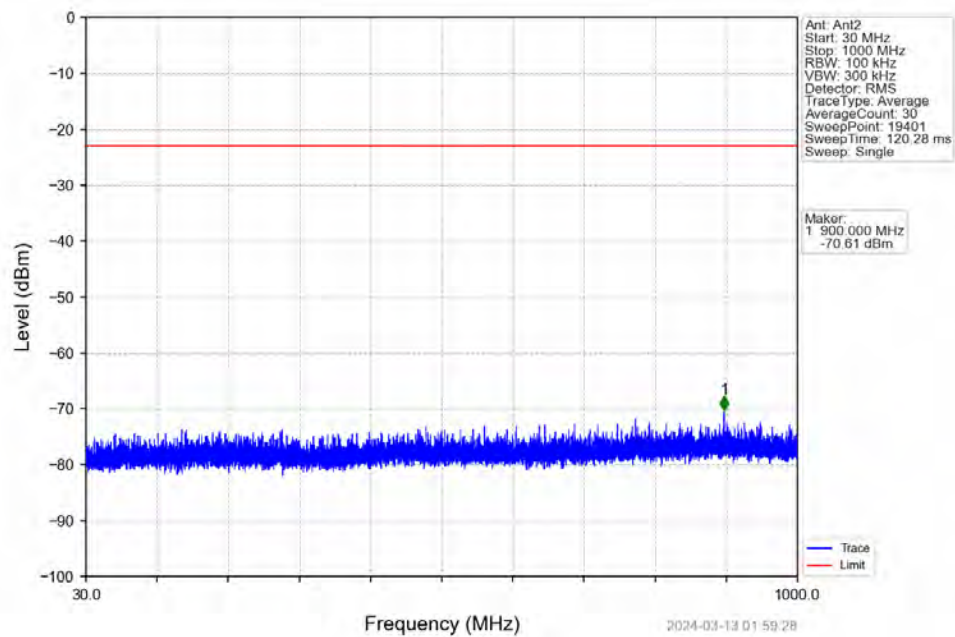
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left



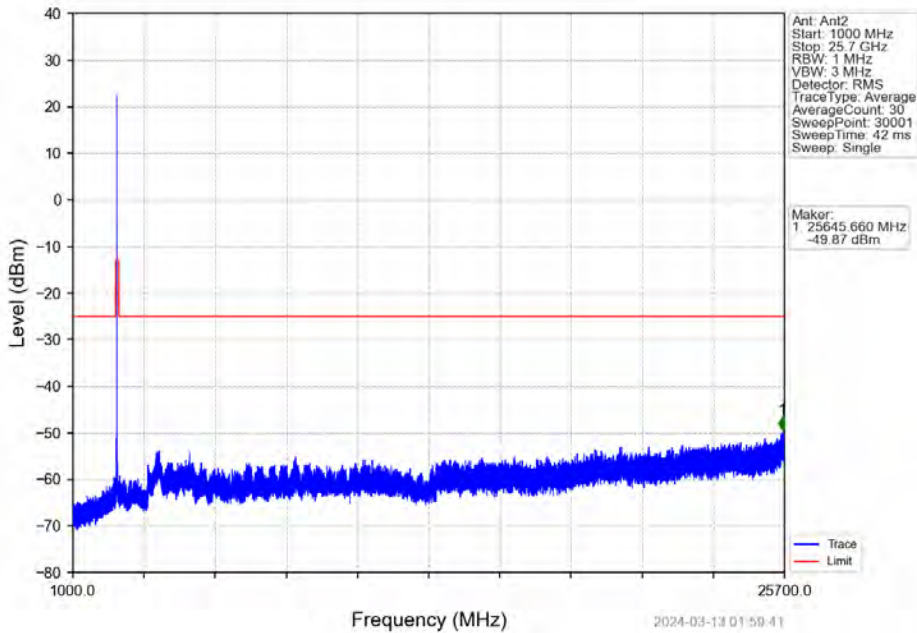
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left



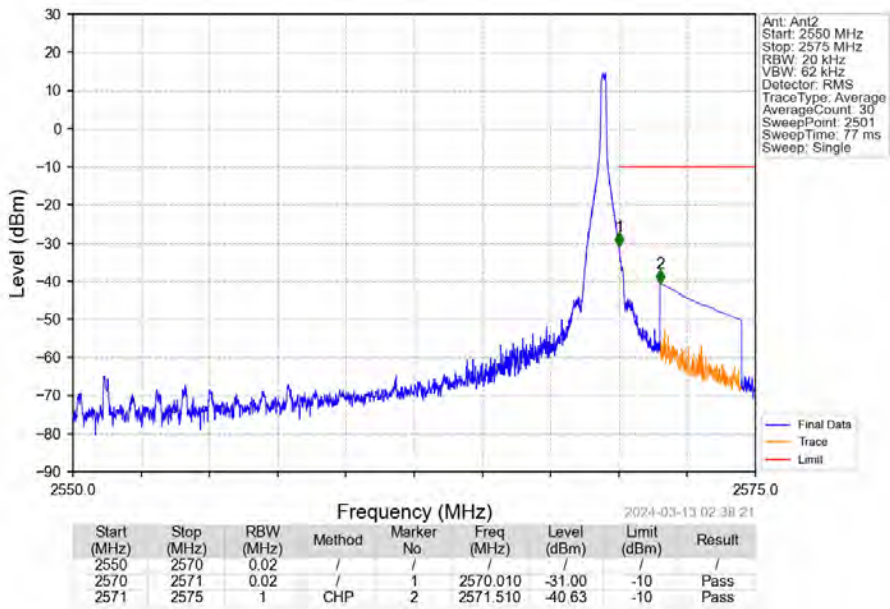
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left



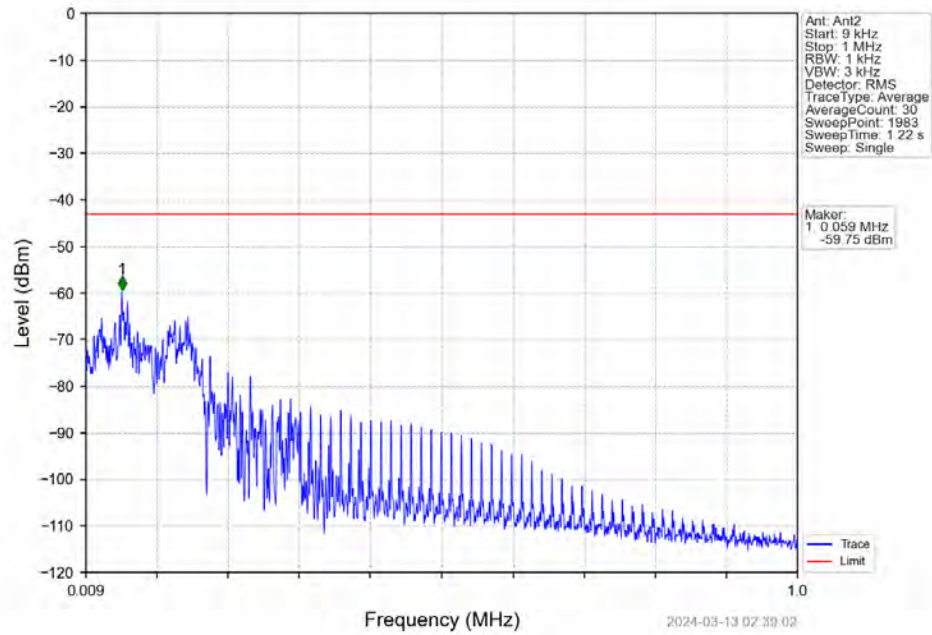
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left



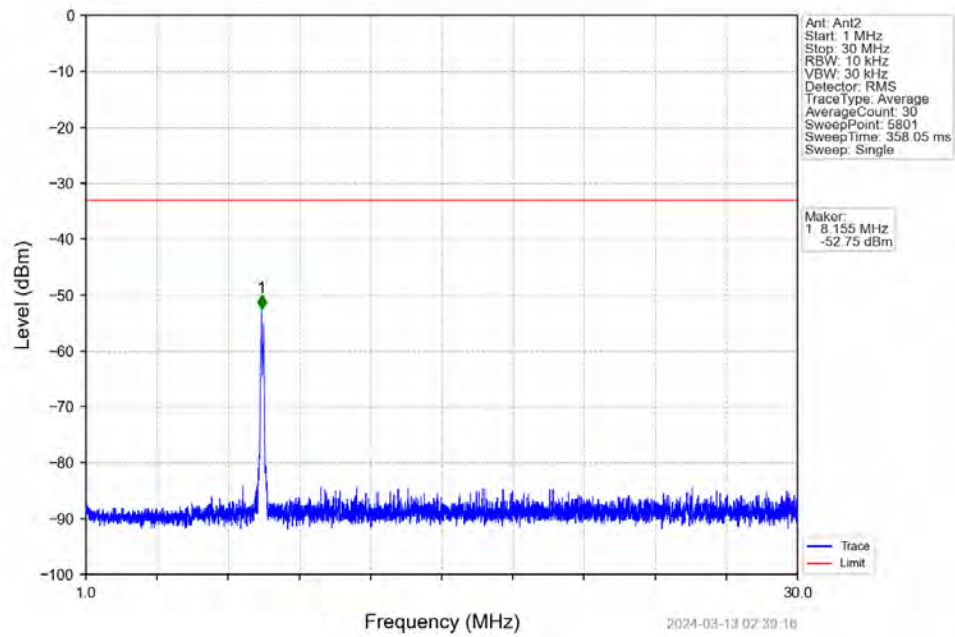
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2560MHz Edge 1RB Right



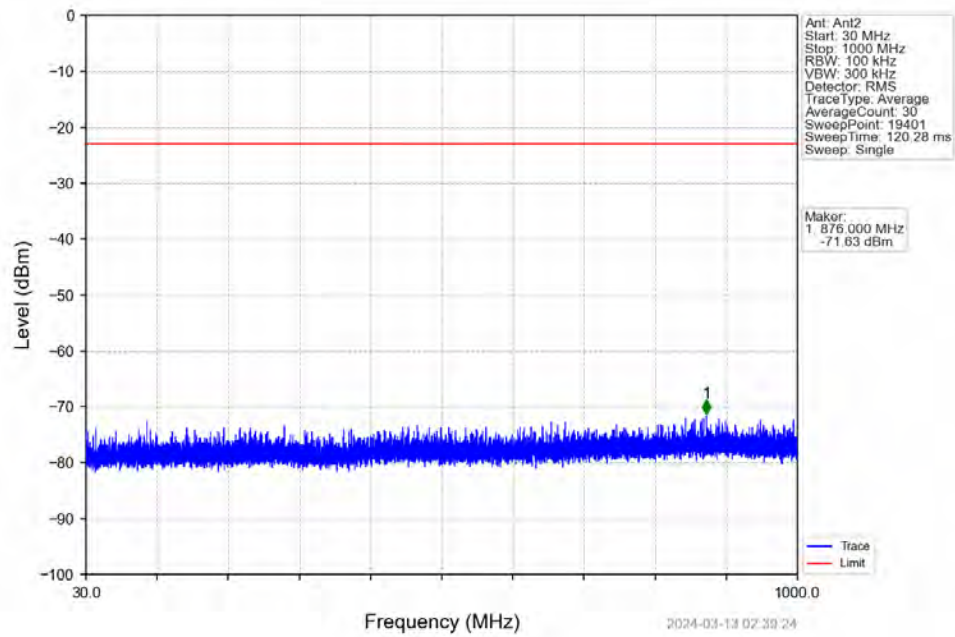
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2560MHz Edge 1RB Right



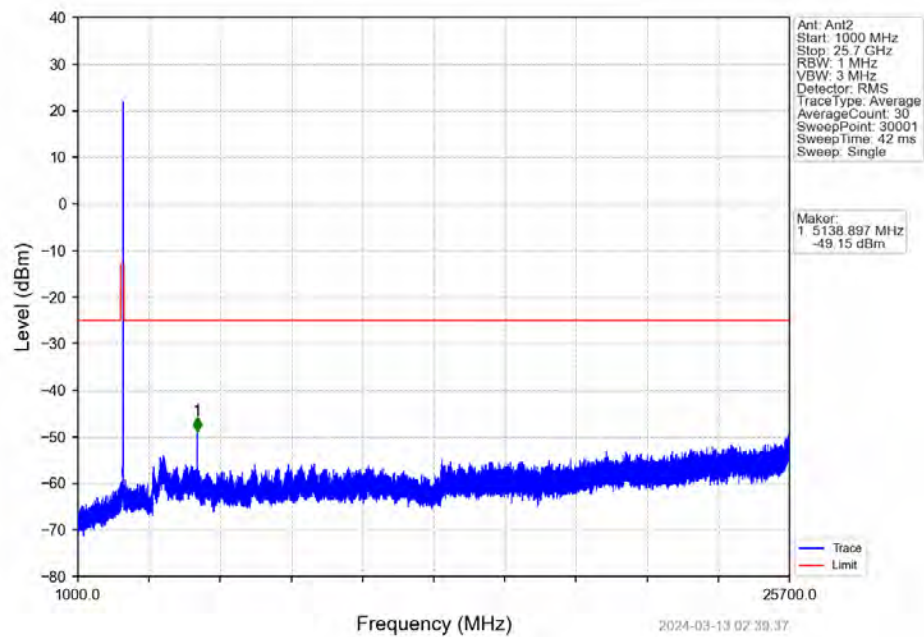
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2560MHz Edge 1RB Right



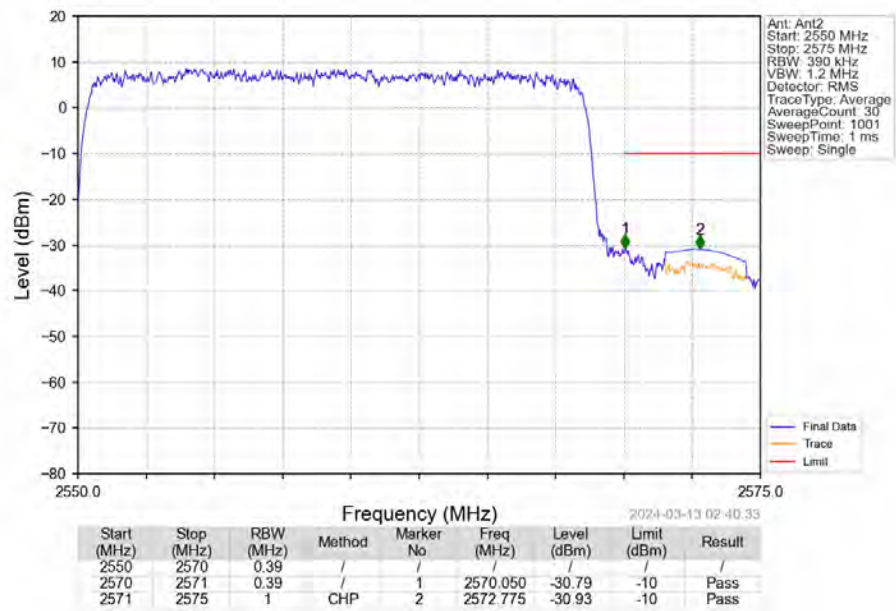
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2560MHz Edge 1RB Right



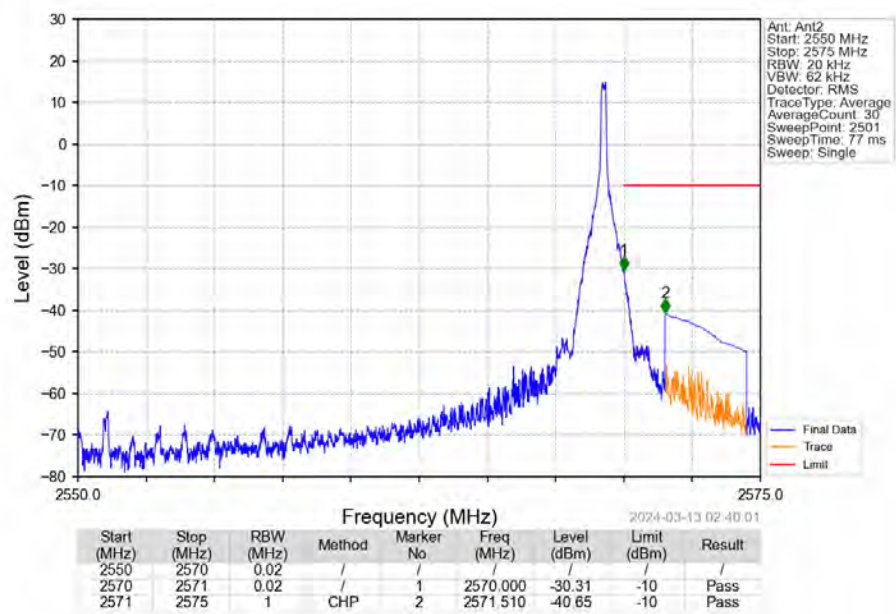
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2560MHz Edge 1RB Right



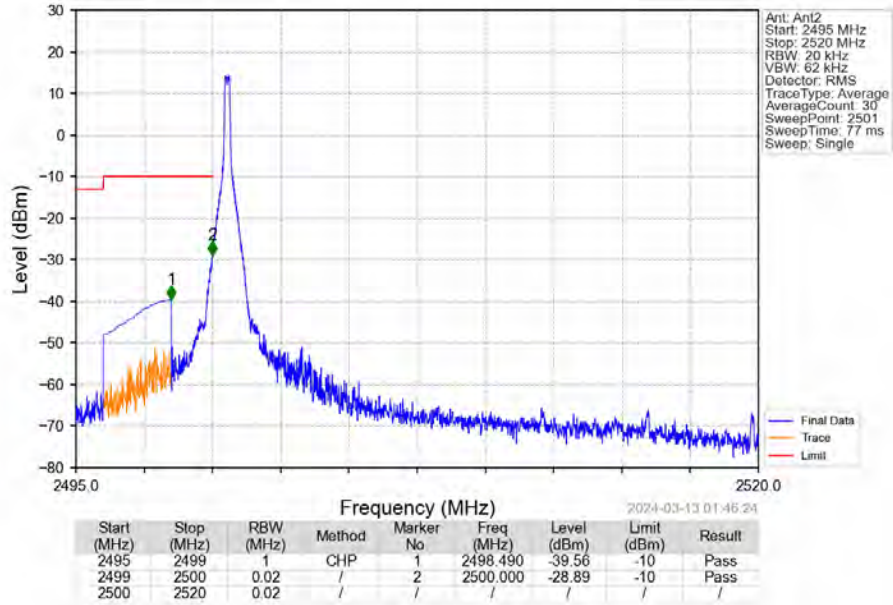
n7 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2560MHz Outer Full



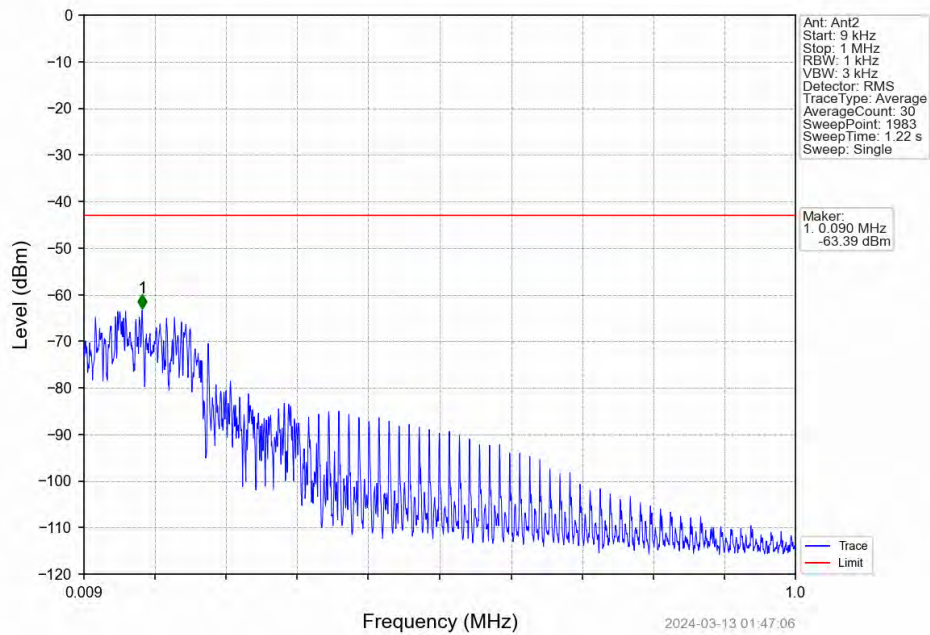
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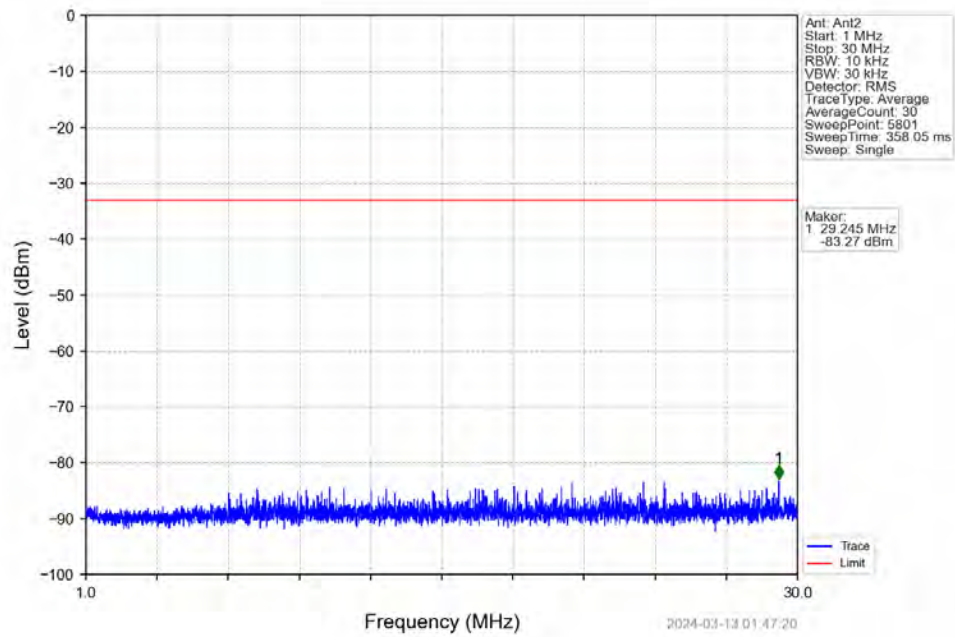
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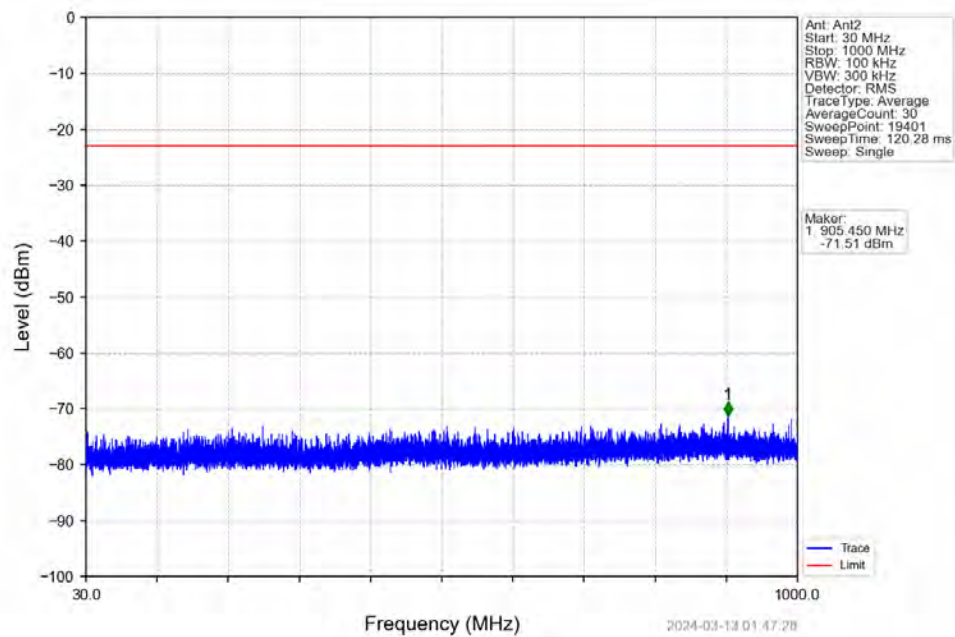
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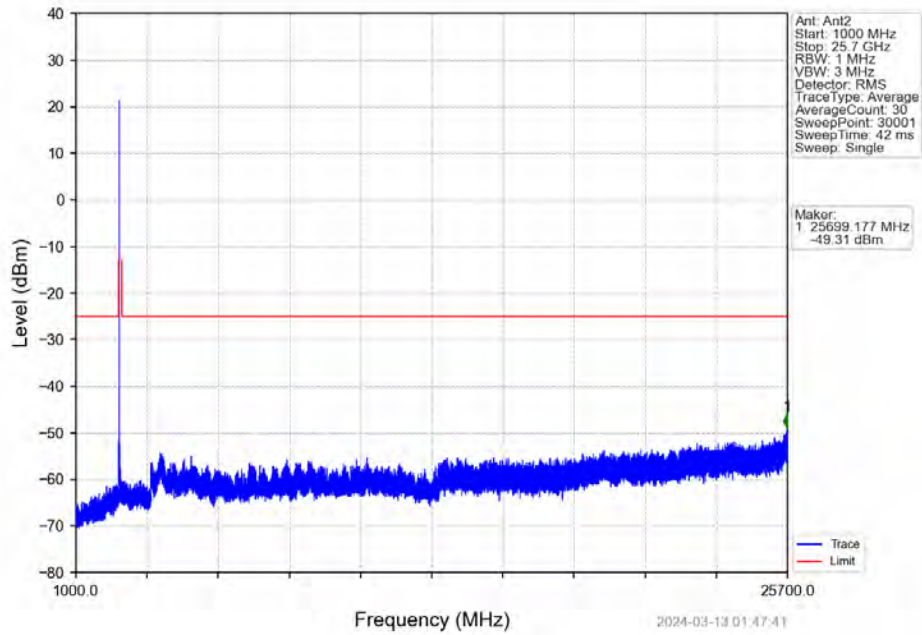
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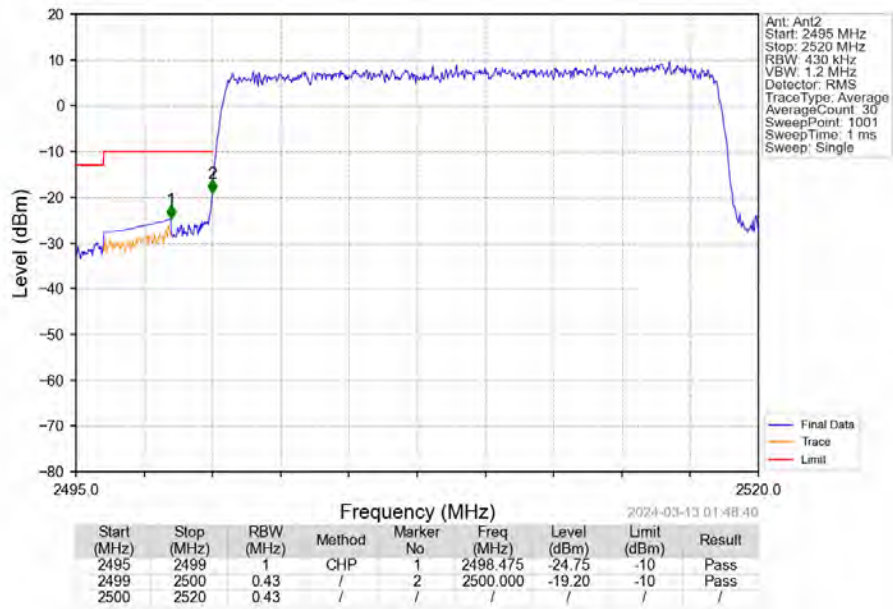
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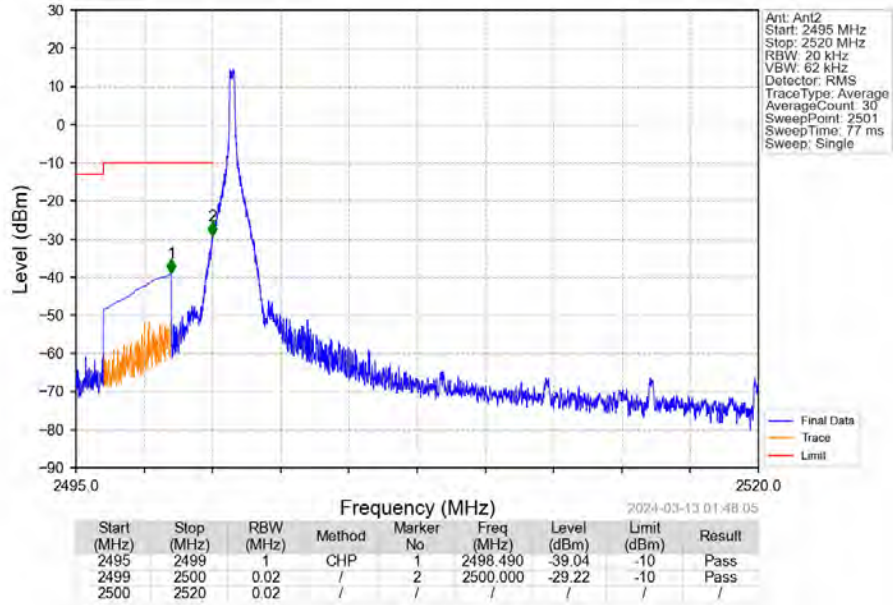
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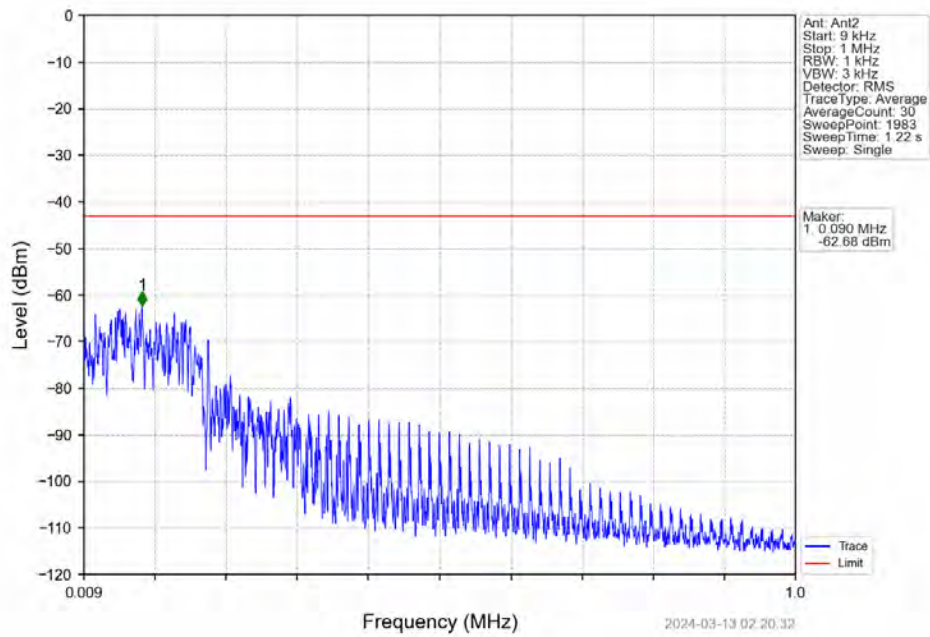
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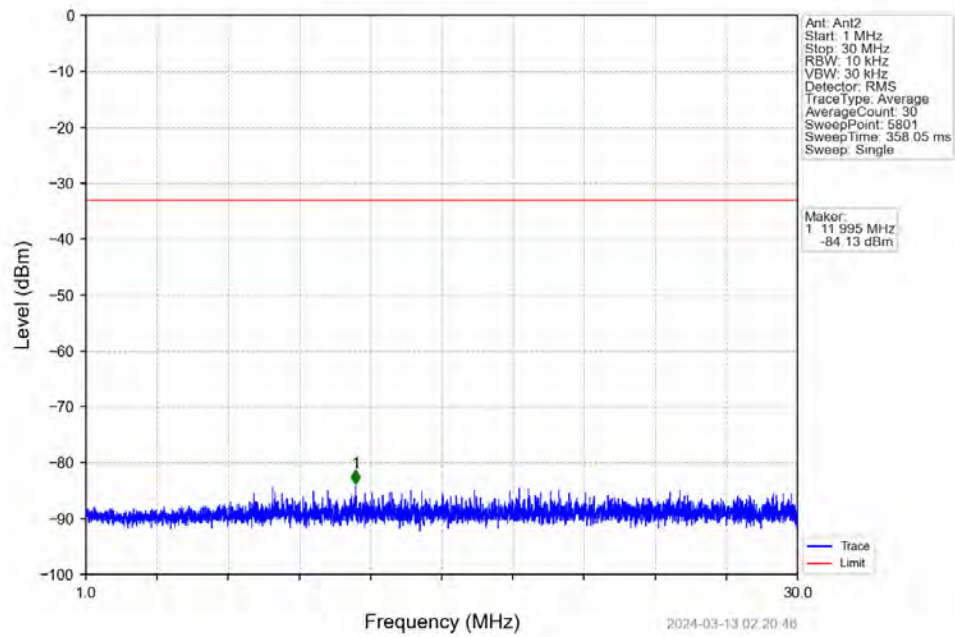
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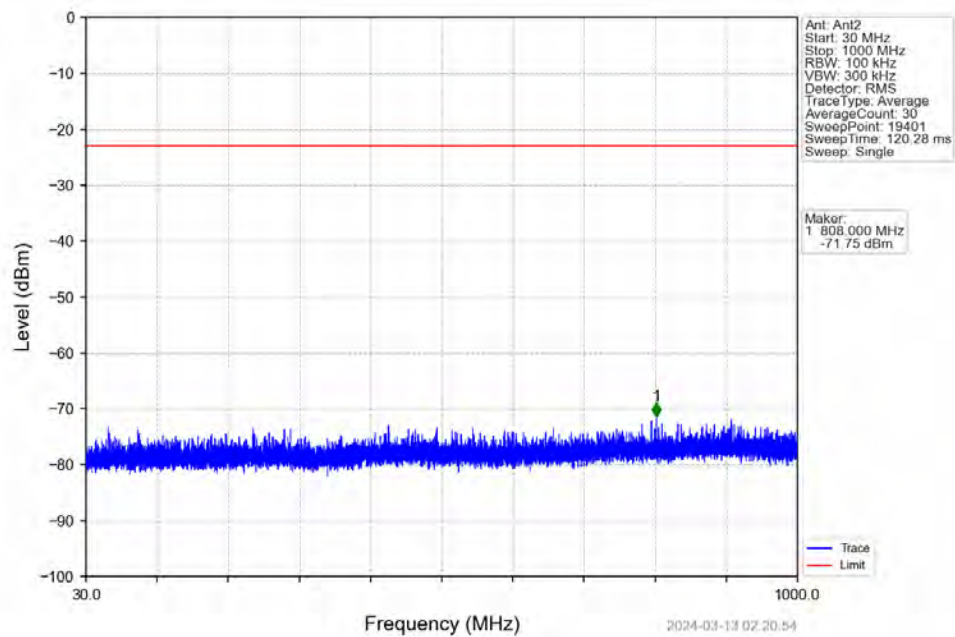
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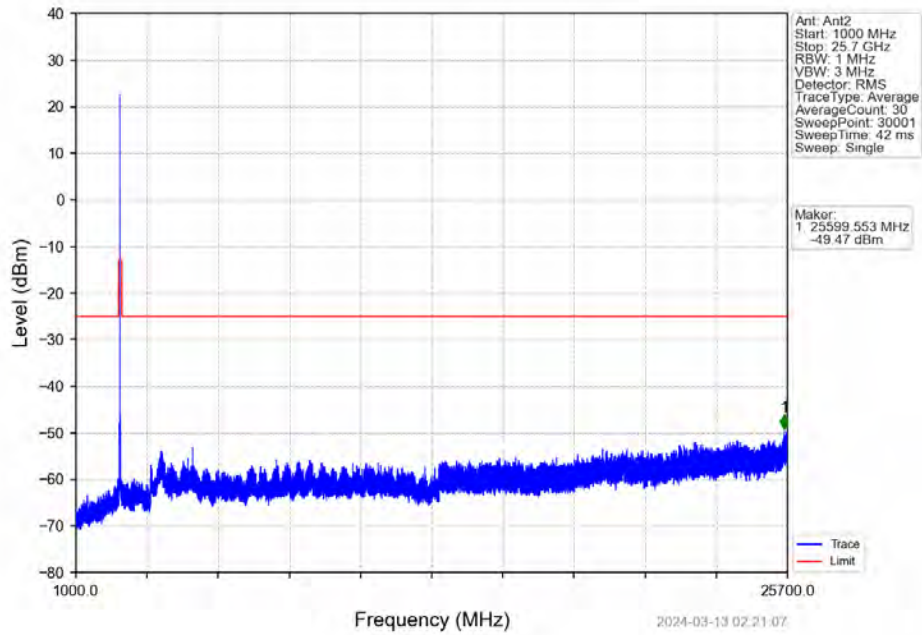
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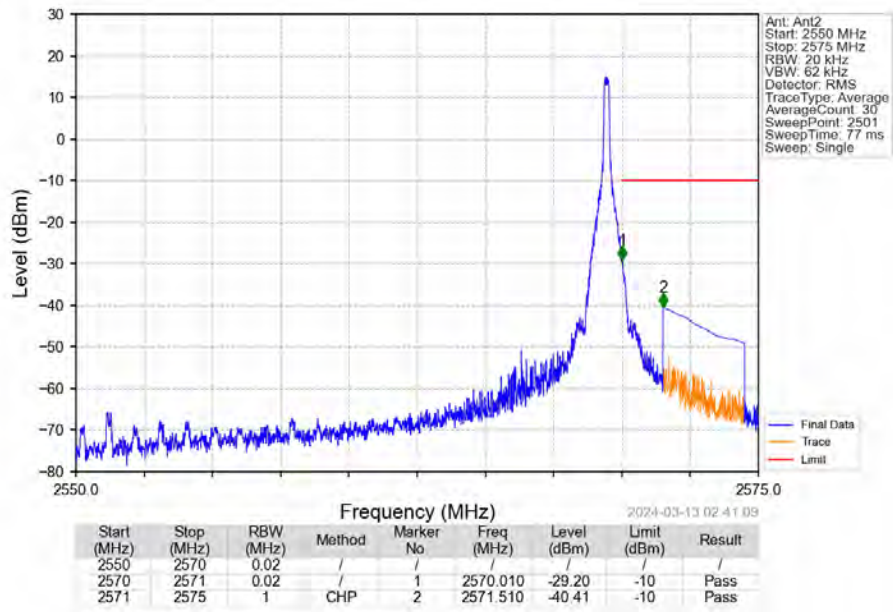
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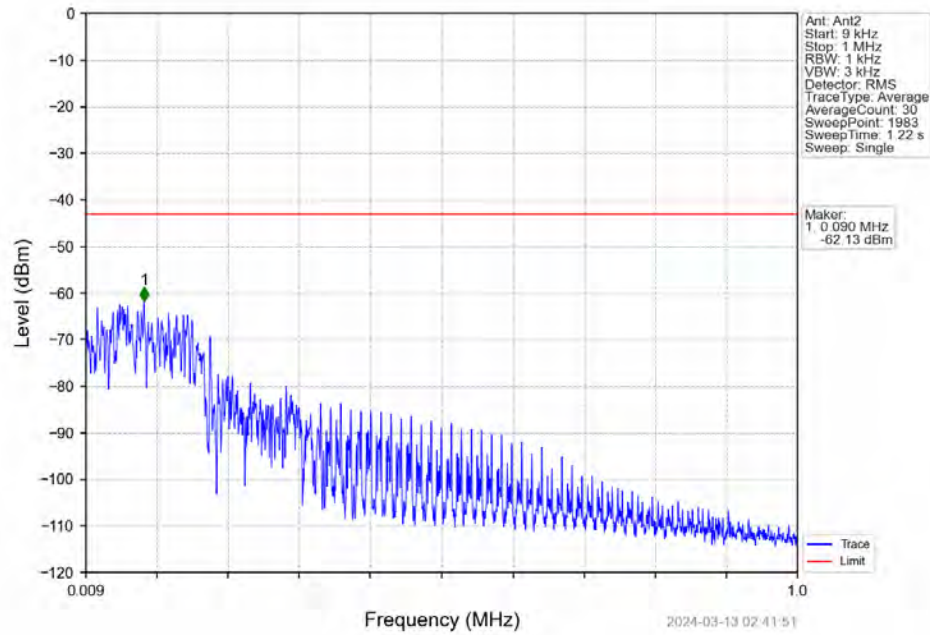
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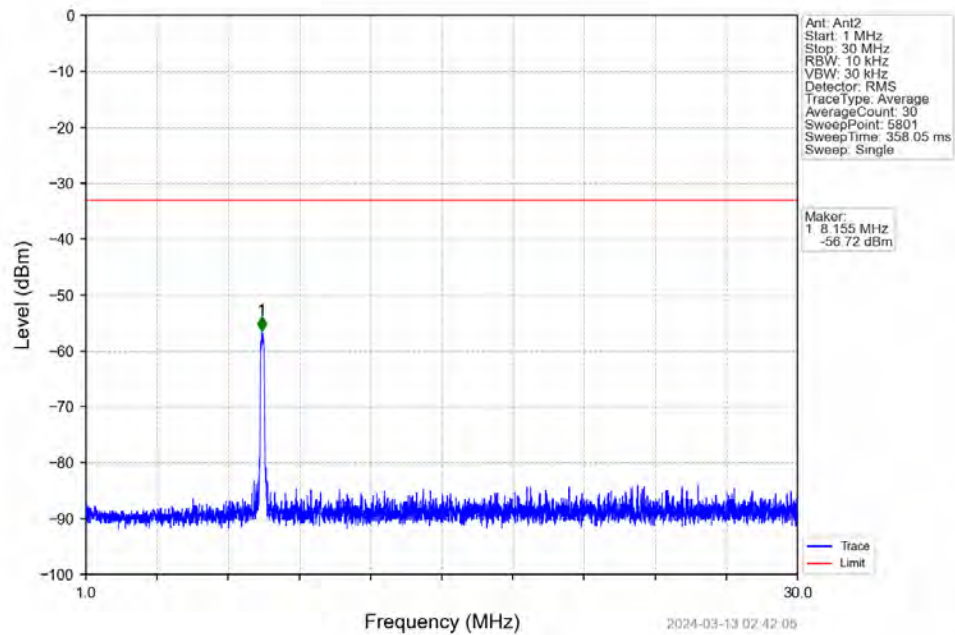
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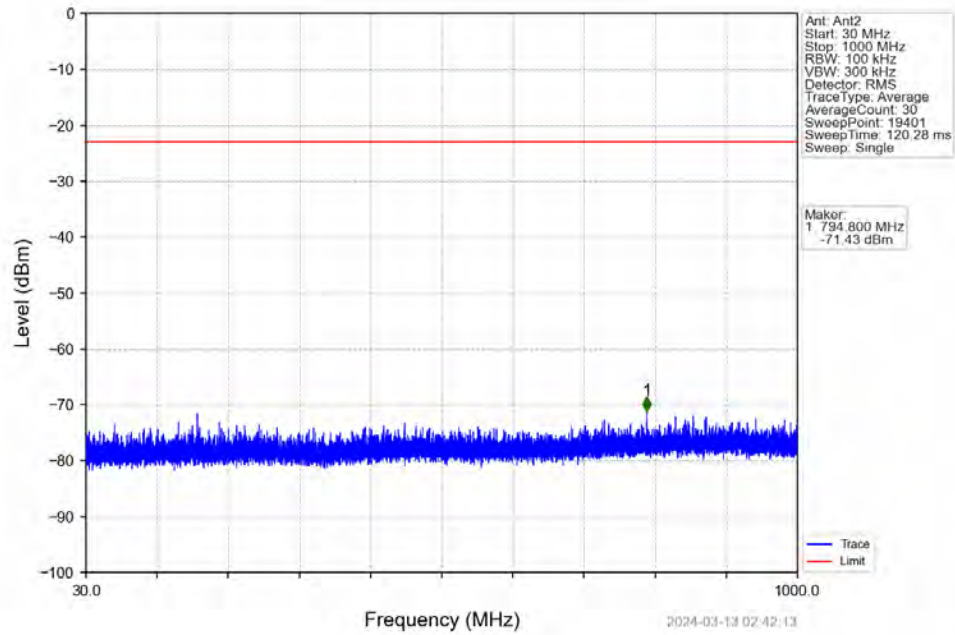
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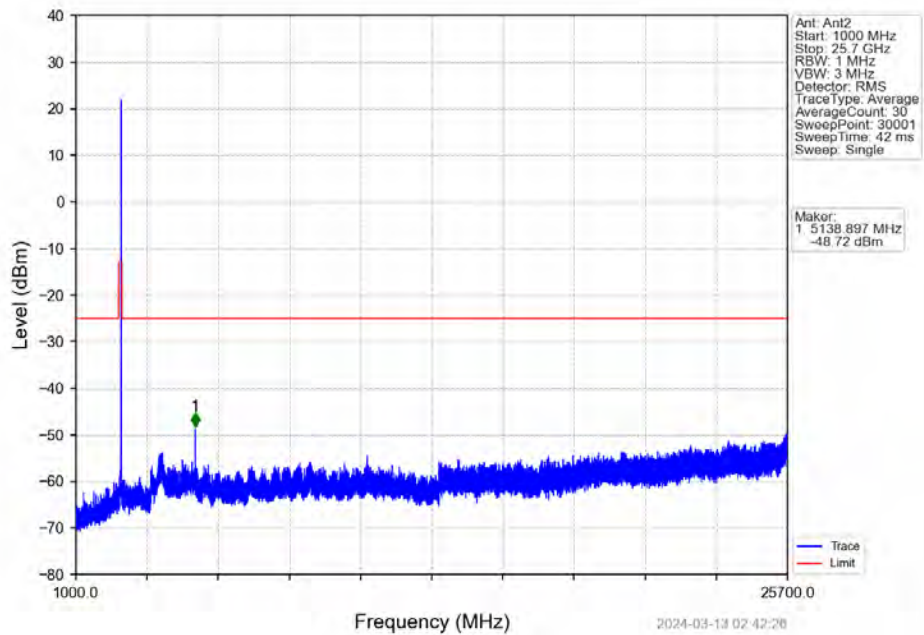
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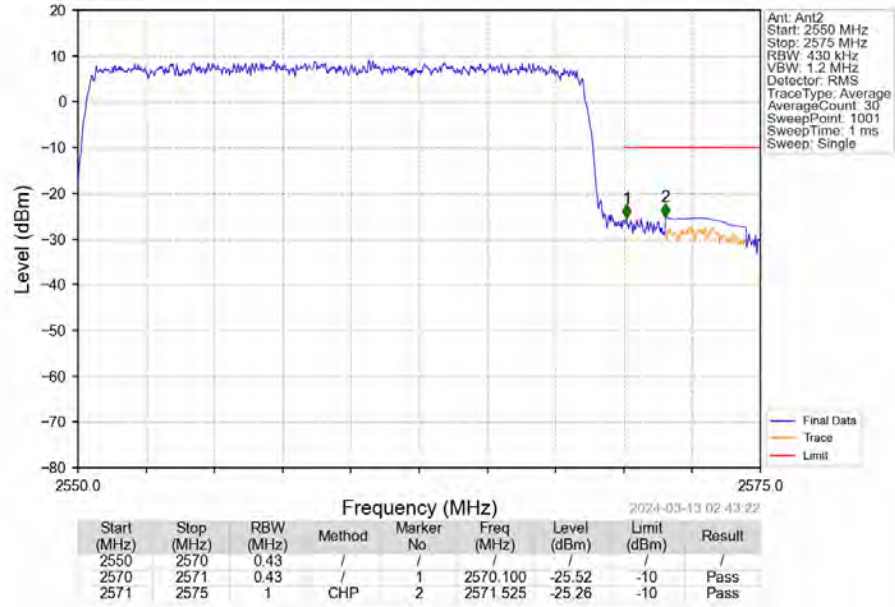
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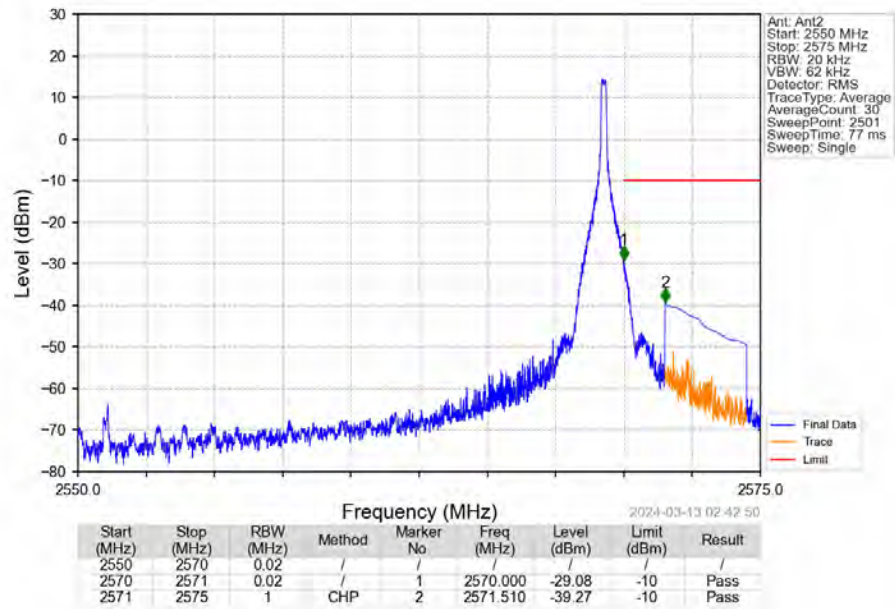
n7 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2560MHz Edge 1RB Right



n7 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2560MHz Outer Full



n7 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2560MHz Inner 1RB Right



6. Field Strength of Spurious Radiation

SA Band 7-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	-66.22	-25	-41.22	-71.08	3.58	8.44	Horizontal	Pass
5553.0	-62.17	-25	-37.17	-67.88	4.74	10.45	Horizontal	Pass
7404.0	-60.09	-25	-35.09	-66.77	4.94	11.62	Horizontal	Pass
3702.0	-66.58	-25	-41.58	-71.44	3.58	8.44	Vertical	Pass
5553.0	-62.4	-25	-37.4	-68.11	4.74	10.45	Vertical	Pass
7404.0	-60.08	-25	-35.08	-66.76	4.94	11.62	Vertical	Pass

SA Band 7-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	-66.71	-25	-41.71	-71.59	3.61	8.49	Horizontal	Pass
5613.0	-62.53	-25	-37.53	-68.24	4.74	10.45	Horizontal	Pass
7484.0	-60.86	-25	-35.86	-67.64	4.94	11.72	Horizontal	Pass
3742.0	-66.77	-25	-41.77	-71.65	3.61	8.49	Vertical	Pass
5613.0	-61.99	-25	-36.99	-67.7	4.74	10.45	Vertical	Pass
7484.0	-60.55	-25	-35.55	-67.33	4.94	11.72	Vertical	Pass

SA Band 7-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	-65.95	-25	-40.95	-70.85	3.65	8.55	Horizontal	Pass
5673.0	-62.26	-25	-37.26	-67.96	4.75	10.45	Horizontal	Pass
7564.0	-59.69	-25	-34.69	-66.56	4.95	11.82	Horizontal	Pass
3782.0	-65.63	-25	-40.63	-70.53	3.65	8.55	Vertical	Pass
5673.0	-62.21	-25	-37.21	-67.91	4.75	10.45	Vertical	Pass
7564.0	-60.19	-25	-35.19	-67.06	4.95	11.82	Vertical	Pass