

1. Effective (Isotropic) Radiated Power Output Data

1.1 30k_SISO_20MHz_NTNV_EIRP

1.1.1 Test Result

5G NR n38 SCS=30kHz 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 BPSK	2580	Edge_1RB_Left	23.37	/	/	22.87	/	/	<=33	Pass
		Edge_1RB_Right	23.40	/	/	22.90	/	/	<=33	Pass
		Outer_Full	23.50	/	/	23.00	/	/	<=33	Pass
		Inner_Full	23.44	/	/	22.94	/	/	<=33	Pass
		Inner_1RB_Left	23.37	/	/	22.87	/	/	<=33	Pass
		Inner_1RB_Right	23.28	/	/	22.78	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.40	/	/	22.90	/	/	<=33	Pass
		Edge_1RB_Right	23.59	/	/	23.09	/	/	<=33	Pass
		Outer_Full	23.43	/	/	22.93	/	/	<=33	Pass
		Inner_Full	23.52	/	/	23.02	/	/	<=33	Pass
		Inner_1RB_Left	23.35	/	/	22.85	/	/	<=33	Pass
		Inner_1RB_Right	23.60	/	/	23.10	/	/	<=33	Pass
	2610	Edge_1RB_Left	23.42	/	/	22.92	/	/	<=33	Pass
		Edge_1RB_Right	23.51	/	/	23.01	/	/	<=33	Pass
		Outer_Full	23.59	/	/	23.09	/	/	<=33	Pass
		Inner_Full	23.61	/	/	23.11	/	/	<=33	Pass
		Inner_1RB_Left	23.39	/	/	22.89	/	/	<=33	Pass
		Inner_1RB_Right	23.57	/	/	23.07	/	/	<=33	Pass
DFT-s-OFDM QPSK	2580	Edge_1RB_Left	23.35	/	/	22.85	/	/	<=33	Pass
		Edge_1RB_Right	23.38	/	/	22.88	/	/	<=33	Pass
		Outer_Full	23.50	/	/	23.00	/	/	<=33	Pass
		Inner_Full	23.48	/	/	22.98	/	/	<=33	Pass
		Inner_1RB_Left	23.33	/	/	22.83	/	/	<=33	Pass
		Inner_1RB_Right	23.38	/	/	22.88	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.33	/	/	22.83	/	/	<=33	Pass
		Edge_1RB_Right	23.53	/	/	23.03	/	/	<=33	Pass
		Outer_Full	23.50	/	/	23.00	/	/	<=33	Pass
		Inner_Full	23.42	/	/	22.92	/	/	<=33	Pass
		Inner_1RB_Left	23.39	/	/	22.89	/	/	<=33	Pass
		Inner_1RB_Right	23.51	/	/	23.01	/	/	<=33	Pass
	2610	Edge_1RB_Left	23.34	/	/	22.84	/	/	<=33	Pass
		Edge_1RB_Right	23.51	/	/	23.01	/	/	<=33	Pass
		Outer_Full	23.63	/	/	23.13	/	/	<=33	Pass
		Inner_Full	23.63	/	/	23.13	/	/	<=33	Pass
		Inner_1RB_Left	23.36	/	/	22.86	/	/	<=33	Pass
		Inner_1RB_Right	23.50	/	/	23.00	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2580	Edge_1RB_Left	22.24	/	/	21.74	/	/	<=33	Pass
		Edge_1RB_Right	22.17	/	/	21.67	/	/	<=33	Pass
		Outer_Full	22.49	/	/	21.99	/	/	<=33	Pass
		Inner_Full	23.47	/	/	22.97	/	/	<=33	Pass
		Inner_1RB_Left	23.25	/	/	22.75	/	/	<=33	Pass
		Inner_1RB_Right	23.19	/	/	22.69	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.28	/	/	21.78	/	/	<=33	Pass
		Edge_1RB_Right	22.42	/	/	21.92	/	/	<=33	Pass
		Outer_Full	22.49	/	/	21.99	/	/	<=33	Pass
		Inner_Full	23.49	/	/	22.99	/	/	<=33	Pass
		Inner_1RB_Left	23.32	/	/	22.82	/	/	<=33	Pass
		Inner_1RB_Right	23.44	/	/	22.94	/	/	<=33	Pass
	2610	Edge_1RB_Left	22.24	/	/	21.74	/	/	<=33	Pass

		Edge_1RB_Right	22.42	/	/	21.92	/	/	<=33	Pass
		Outer_Full	22.61	/	/	22.11	/	/	<=33	Pass
		Inner_Full	23.67	/	/	23.17	/	/	<=33	Pass
		Inner_1RB_Left	23.30	/	/	22.80	/	/	<=33	Pass
		Inner_1RB_Right	23.43	/	/	22.93	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2580	Edge_1RB_Left	21.86	/	/	21.36	/	/	<=33	Pass
		Edge_1RB_Right	21.87	/	/	21.37	/	/	<=33	Pass
		Outer_Full	21.98	/	/	21.48	/	/	<=33	Pass
		Inner_Full	22.00	/	/	21.50	/	/	<=33	Pass
		Inner_1RB_Left	21.85	/	/	21.35	/	/	<=33	Pass
		Inner_1RB_Right	21.88	/	/	21.38	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.95	/	/	21.45	/	/	<=33	Pass
		Edge_1RB_Right	22.17	/	/	21.67	/	/	<=33	Pass
		Outer_Full	21.96	/	/	21.46	/	/	<=33	Pass
		Inner_Full	21.99	/	/	21.49	/	/	<=33	Pass
		Inner_1RB_Left	21.95	/	/	21.45	/	/	<=33	Pass
		Inner_1RB_Right	22.13	/	/	21.63	/	/	<=33	Pass
	2610	Edge_1RB_Left	21.96	/	/	21.46	/	/	<=33	Pass
		Edge_1RB_Right	22.06	/	/	21.56	/	/	<=33	Pass
		Outer_Full	22.15	/	/	21.65	/	/	<=33	Pass
		Inner_Full	22.12	/	/	21.62	/	/	<=33	Pass
		Inner_1RB_Left	21.98	/	/	21.48	/	/	<=33	Pass
		Inner_1RB_Right	22.09	/	/	21.59	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2580	Edge_1RB_Left	19.92	/	/	19.42	/	/	<=33	Pass
		Edge_1RB_Right	19.89	/	/	19.39	/	/	<=33	Pass
		Outer_Full	19.98	/	/	19.48	/	/	<=33	Pass
		Inner_Full	20.03	/	/	19.53	/	/	<=33	Pass
		Inner_1RB_Left	19.83	/	/	19.33	/	/	<=33	Pass
		Inner_1RB_Right	19.87	/	/	19.37	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.83	/	/	19.33	/	/	<=33	Pass
		Edge_1RB_Right	20.05	/	/	19.55	/	/	<=33	Pass
		Outer_Full	19.97	/	/	19.47	/	/	<=33	Pass
		Inner_Full	19.98	/	/	19.48	/	/	<=33	Pass
		Inner_1RB_Left	19.89	/	/	19.39	/	/	<=33	Pass
		Inner_1RB_Right	20.04	/	/	19.54	/	/	<=33	Pass
	2610	Edge_1RB_Left	19.82	/	/	19.32	/	/	<=33	Pass
		Edge_1RB_Right	20.01	/	/	19.51	/	/	<=33	Pass
		Outer_Full	20.13	/	/	19.63	/	/	<=33	Pass
		Inner_Full	20.18	/	/	19.68	/	/	<=33	Pass
		Inner_1RB_Left	19.80	/	/	19.30	/	/	<=33	Pass
		Inner_1RB_Right	20.04	/	/	19.54	/	/	<=33	Pass
CP-OFDM QPSK	2580	Edge_1RB_Left	21.45	/	/	20.95	/	/	<=33	Pass
		Edge_1RB_Right	21.51	/	/	21.01	/	/	<=33	Pass
		Outer_Full	21.51	/	/	21.01	/	/	<=33	Pass
		Inner_Full	22.98	/	/	22.48	/	/	<=33	Pass
		Inner_1RB_Left	22.92	/	/	22.42	/	/	<=33	Pass
		Inner_1RB_Right	22.90	/	/	22.40	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.51	/	/	21.01	/	/	<=33	Pass
		Edge_1RB_Right	21.66	/	/	21.16	/	/	<=33	Pass
		Outer_Full	21.39	/	/	20.89	/	/	<=33	Pass
		Inner_Full	22.99	/	/	22.49	/	/	<=33	Pass
		Inner_1RB_Left	23.01	/	/	22.51	/	/	<=33	Pass
		Inner_1RB_Right	23.13	/	/	22.63	/	/	<=33	Pass
	2610	Edge_1RB_Left	21.52	/	/	21.02	/	/	<=33	Pass
		Edge_1RB_Right	21.64	/	/	21.14	/	/	<=33	Pass
		Outer_Full	21.65	/	/	21.15	/	/	<=33	Pass
		Inner_Full	23.16	/	/	22.66	/	/	<=33	Pass
		Inner_1RB_Left	23.05	/	/	22.55	/	/	<=33	Pass
		Inner_1RB_Right	23.13	/	/	22.63	/	/	<=33	Pass

CP-OFDM 16 QAM	2580	Edge_1RB_Left	21.29	/	/	20.79	/	/	<=33	Pass
		Edge_1RB_Right	21.43	/	/	20.93	/	/	<=33	Pass
		Outer_Full	21.52	/	/	21.02	/	/	<=33	Pass
		Inner_Full	22.45	/	/	21.95	/	/	<=33	Pass
		Inner_1RB_Left	22.28	/	/	21.78	/	/	<=33	Pass
		Inner_1RB_Right	22.32	/	/	21.82	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.28	/	/	20.78	/	/	<=33	Pass
		Edge_1RB_Right	21.52	/	/	21.02	/	/	<=33	Pass
		Outer_Full	21.44	/	/	20.94	/	/	<=33	Pass
		Inner_Full	22.42	/	/	21.92	/	/	<=33	Pass
		Inner_1RB_Left	22.28	/	/	21.78	/	/	<=33	Pass
		Inner_1RB_Right	22.42	/	/	21.92	/	/	<=33	Pass
	2610	Edge_1RB_Left	21.32	/	/	20.82	/	/	<=33	Pass
		Edge_1RB_Right	21.49	/	/	20.99	/	/	<=33	Pass
		Outer_Full	21.59	/	/	21.09	/	/	<=33	Pass
		Inner_Full	22.65	/	/	22.15	/	/	<=33	Pass
		Inner_1RB_Left	22.27	/	/	21.77	/	/	<=33	Pass
		Inner_1RB_Right	22.46	/	/	21.96	/	/	<=33	Pass
CP-OFDM 64 QAM	2580	Edge_1RB_Left	20.85	/	/	20.35	/	/	<=33	Pass
		Edge_1RB_Right	20.92	/	/	20.42	/	/	<=33	Pass
		Outer_Full	20.92	/	/	20.42	/	/	<=33	Pass
		Inner_Full	20.98	/	/	20.48	/	/	<=33	Pass
		Inner_1RB_Left	20.87	/	/	20.37	/	/	<=33	Pass
		Inner_1RB_Right	20.85	/	/	20.35	/	/	<=33	Pass
	2595	Edge_1RB_Left	20.93	/	/	20.43	/	/	<=33	Pass
		Edge_1RB_Right	21.15	/	/	20.65	/	/	<=33	Pass
		Outer_Full	20.89	/	/	20.39	/	/	<=33	Pass
		Inner_Full	20.96	/	/	20.46	/	/	<=33	Pass
		Inner_1RB_Left	20.94	/	/	20.44	/	/	<=33	Pass
		Inner_1RB_Right	21.09	/	/	20.59	/	/	<=33	Pass
	2610	Edge_1RB_Left	20.86	/	/	20.36	/	/	<=33	Pass
		Edge_1RB_Right	21.10	/	/	20.60	/	/	<=33	Pass
		Outer_Full	21.07	/	/	20.57	/	/	<=33	Pass
		Inner_Full	21.14	/	/	20.64	/	/	<=33	Pass
		Inner_1RB_Left	20.88	/	/	20.38	/	/	<=33	Pass
		Inner_1RB_Right	21.05	/	/	20.55	/	/	<=33	Pass
CP-OFDM 256 QAM	2580	Edge_1RB_Left	17.89	/	/	17.39	/	/	<=33	Pass
		Edge_1RB_Right	17.90	/	/	17.40	/	/	<=33	Pass
		Outer_Full	17.94	/	/	17.44	/	/	<=33	Pass
		Inner_Full	17.99	/	/	17.49	/	/	<=33	Pass
		Inner_1RB_Left	17.85	/	/	17.35	/	/	<=33	Pass
		Inner_1RB_Right	17.84	/	/	17.34	/	/	<=33	Pass
	2595	Edge_1RB_Left	17.83	/	/	17.33	/	/	<=33	Pass
		Edge_1RB_Right	18.11	/	/	17.61	/	/	<=33	Pass
		Outer_Full	17.91	/	/	17.41	/	/	<=33	Pass
		Inner_Full	17.99	/	/	17.49	/	/	<=33	Pass
		Inner_1RB_Left	17.88	/	/	17.38	/	/	<=33	Pass
		Inner_1RB_Right	18.09	/	/	17.59	/	/	<=33	Pass
	2610	Edge_1RB_Left	17.93	/	/	17.43	/	/	<=33	Pass
		Edge_1RB_Right	18.11	/	/	17.61	/	/	<=33	Pass
		Outer_Full	18.04	/	/	17.54	/	/	<=33	Pass
		Inner_Full	18.17	/	/	17.67	/	/	<=33	Pass
		Inner_1RB_Left	17.97	/	/	17.47	/	/	<=33	Pass
		Inner_1RB_Right	18.04	/	/	17.54	/	/	<=33	Pass
Note1: Antenna Gain: Ant2: -0.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.2 30k_SISO_30MHz_NTNV_EIRP

1.2.1 Test Result

5G NR n38 SCS=30kHz SISO 30MHz 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	2585	Edge 1RB Left	23.48	/	/	22.98	/	/	<=33	Pass
		Edge 1RB Right	23.61	/	/	23.11	/	/	<=33	Pass
		Outer Full	23.48	/	/	22.98	/	/	<=33	Pass
		Inner Full	23.54	/	/	23.04	/	/	<=33	Pass
		Inner 1RB Left	23.53	/	/	23.03	/	/	<=33	Pass
		Inner 1RB Right	23.57	/	/	23.07	/	/	<=33	Pass
	2595	Edge 1RB Left	23.44	/	/	22.94	/	/	<=33	Pass
		Edge 1RB Right	23.69	/	/	23.19	/	/	<=33	Pass
		Outer Full	23.51	/	/	23.01	/	/	<=33	Pass
		Inner Full	23.53	/	/	23.03	/	/	<=33	Pass
		Inner 1RB Left	23.47	/	/	22.97	/	/	<=33	Pass
		Inner 1RB Right	23.70	/	/	23.20	/	/	<=33	Pass
	2605	Edge 1RB Left	23.43	/	/	22.93	/	/	<=33	Pass
		Edge 1RB Right	23.64	/	/	23.14	/	/	<=33	Pass
		Outer Full	23.63	/	/	23.13	/	/	<=33	Pass
		Inner Full	23.67	/	/	23.17	/	/	<=33	Pass
		Inner 1RB Left	23.43	/	/	22.93	/	/	<=33	Pass
		Inner 1RB Right	23.56	/	/	23.06	/	/	<=33	Pass
DFT-s-OFDM QPSK	2585	Edge 1RB Left	23.43	/	/	22.93	/	/	<=33	Pass
		Edge 1RB Right	23.53	/	/	23.03	/	/	<=33	Pass
		Outer Full	23.50	/	/	23.00	/	/	<=33	Pass
		Inner Full	23.55	/	/	23.05	/	/	<=33	Pass
		Inner 1RB Left	23.48	/	/	22.98	/	/	<=33	Pass
		Inner 1RB Right	23.56	/	/	23.06	/	/	<=33	Pass
	2595	Edge 1RB Left	23.45	/	/	22.95	/	/	<=33	Pass
		Edge 1RB Right	23.66	/	/	23.16	/	/	<=33	Pass
		Outer Full	23.56	/	/	23.06	/	/	<=33	Pass
		Inner Full	23.50	/	/	23.00	/	/	<=33	Pass
		Inner 1RB Left	23.48	/	/	22.98	/	/	<=33	Pass
		Inner 1RB Right	23.67	/	/	23.17	/	/	<=33	Pass
	2605	Edge 1RB Left	23.42	/	/	22.92	/	/	<=33	Pass
		Edge 1RB Right	23.56	/	/	23.06	/	/	<=33	Pass
		Outer Full	23.66	/	/	23.16	/	/	<=33	Pass
		Inner Full	23.64	/	/	23.14	/	/	<=33	Pass
		Inner 1RB Left	23.44	/	/	22.94	/	/	<=33	Pass
		Inner 1RB Right	23.65	/	/	23.15	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2585	Edge 1RB Left	22.33	/	/	21.83	/	/	<=33	Pass
		Edge 1RB Right	22.45	/	/	21.95	/	/	<=33	Pass
		Outer Full	22.53	/	/	22.03	/	/	<=33	Pass
		Inner Full	23.61	/	/	23.11	/	/	<=33	Pass
		Inner 1RB Left	23.38	/	/	22.88	/	/	<=33	Pass
		Inner 1RB Right	23.42	/	/	22.92	/	/	<=33	Pass
	2595	Edge 1RB Left	22.38	/	/	21.88	/	/	<=33	Pass
		Edge 1RB Right	22.55	/	/	22.05	/	/	<=33	Pass
		Outer Full	22.58	/	/	22.08	/	/	<=33	Pass
		Inner Full	23.49	/	/	22.99	/	/	<=33	Pass
		Inner 1RB Left	23.40	/	/	22.90	/	/	<=33	Pass
		Inner 1RB Right	23.53	/	/	23.03	/	/	<=33	Pass
	2605	Edge 1RB Left	22.33	/	/	21.83	/	/	<=33	Pass
		Edge 1RB Right	22.47	/	/	21.97	/	/	<=33	Pass
		Outer Full	22.70	/	/	22.20	/	/	<=33	Pass
		Inner Full	23.69	/	/	23.19	/	/	<=33	Pass
		Inner 1RB Left	23.30	/	/	22.80	/	/	<=33	Pass
		Inner 1RB Right	23.53	/	/	23.03	/	/	<=33	Pass

DFT-s-OFDM 64 QAM	2585	Edge_1RB_Left	22.06	/	/	21.56	/	/	<=33	Pass
		Edge_1RB_Right	22.13	/	/	21.63	/	/	<=33	Pass
		Outer_Full	22.02	/	/	21.52	/	/	<=33	Pass
		Inner_Full	22.00	/	/	21.50	/	/	<=33	Pass
		Inner_1RB_Left	22.06	/	/	21.56	/	/	<=33	Pass
		Inner_1RB_Right	22.19	/	/	21.69	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.97	/	/	21.47	/	/	<=33	Pass
		Edge_1RB_Right	22.24	/	/	21.74	/	/	<=33	Pass
		Outer_Full	22.07	/	/	21.57	/	/	<=33	Pass
		Inner_Full	22.00	/	/	21.50	/	/	<=33	Pass
		Inner_1RB_Left	22.03	/	/	21.53	/	/	<=33	Pass
		Inner_1RB_Right	22.24	/	/	21.74	/	/	<=33	Pass
	2605	Edge_1RB_Left	21.96	/	/	21.46	/	/	<=33	Pass
		Edge_1RB_Right	22.19	/	/	21.69	/	/	<=33	Pass
		Outer_Full	22.20	/	/	21.70	/	/	<=33	Pass
		Inner_Full	22.18	/	/	21.68	/	/	<=33	Pass
		Inner_1RB_Left	21.97	/	/	21.47	/	/	<=33	Pass
		Inner_1RB_Right	22.21	/	/	21.71	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2585	Edge_1RB_Left	19.96	/	/	19.46	/	/	<=33	Pass
		Edge_1RB_Right	20.07	/	/	19.57	/	/	<=33	Pass
		Outer_Full	19.99	/	/	19.49	/	/	<=33	Pass
		Inner_Full	20.03	/	/	19.53	/	/	<=33	Pass
		Inner_1RB_Left	20.02	/	/	19.52	/	/	<=33	Pass
		Inner_1RB_Right	20.03	/	/	19.53	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.98	/	/	19.48	/	/	<=33	Pass
		Edge_1RB_Right	20.15	/	/	19.65	/	/	<=33	Pass
		Outer_Full	20.03	/	/	19.53	/	/	<=33	Pass
		Inner_Full	19.92	/	/	19.42	/	/	<=33	Pass
		Inner_1RB_Left	19.93	/	/	19.43	/	/	<=33	Pass
		Inner_1RB_Right	20.11	/	/	19.61	/	/	<=33	Pass
	2605	Edge_1RB_Left	19.92	/	/	19.42	/	/	<=33	Pass
		Edge_1RB_Right	20.10	/	/	19.60	/	/	<=33	Pass
		Outer_Full	20.12	/	/	19.62	/	/	<=33	Pass
		Inner_Full	20.06	/	/	19.56	/	/	<=33	Pass
		Inner_1RB_Left	19.93	/	/	19.43	/	/	<=33	Pass
		Inner_1RB_Right	20.11	/	/	19.61	/	/	<=33	Pass
CP-OFDM QPSK	2585	Edge_1RB_Left	21.56	/	/	21.06	/	/	<=33	Pass
		Edge_1RB_Right	21.72	/	/	21.22	/	/	<=33	Pass
		Outer_Full	21.53	/	/	21.03	/	/	<=33	Pass
		Inner_Full	22.93	/	/	22.43	/	/	<=33	Pass
		Inner_1RB_Left	23.17	/	/	22.67	/	/	<=33	Pass
		Inner_1RB_Right	23.21	/	/	22.71	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.57	/	/	21.07	/	/	<=33	Pass
		Edge_1RB_Right	21.85	/	/	21.35	/	/	<=33	Pass
		Outer_Full	21.58	/	/	21.08	/	/	<=33	Pass
		Inner_Full	23.02	/	/	22.52	/	/	<=33	Pass
		Inner_1RB_Left	23.10	/	/	22.60	/	/	<=33	Pass
		Inner_1RB_Right	23.20	/	/	22.70	/	/	<=33	Pass
	2605	Edge_1RB_Left	21.64	/	/	21.14	/	/	<=33	Pass
		Edge_1RB_Right	21.88	/	/	21.38	/	/	<=33	Pass
		Outer_Full	21.67	/	/	21.17	/	/	<=33	Pass
		Inner_Full	23.21	/	/	22.71	/	/	<=33	Pass
		Inner_1RB_Left	23.10	/	/	22.60	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	22.72	/	/	<=33	Pass
CP-OFDM 16 QAM	2585	Edge_1RB_Left	21.47	/	/	20.97	/	/	<=33	Pass
		Edge_1RB_Right	21.69	/	/	21.19	/	/	<=33	Pass
		Outer_Full	21.51	/	/	21.01	/	/	<=33	Pass
		Inner_Full	22.48	/	/	21.98	/	/	<=33	Pass
		Inner_1RB_Left	22.51	/	/	22.01	/	/	<=33	Pass

		Inner 1RB Right	22.61	/	/	22.11	/	/	<=33	Pass	
		2595	Edge 1RB Left	21.42	/	/	20.92	/	/	<=33	Pass
			Edge 1RB Right	21.61	/	/	21.11	/	/	<=33	Pass
			Outer_Full	21.59	/	/	21.09	/	/	<=33	Pass
			Inner_Full	22.48	/	/	21.98	/	/	<=33	Pass
			Inner 1RB Left	22.39	/	/	21.89	/	/	<=33	Pass
			Inner 1RB Right	22.63	/	/	22.13	/	/	<=33	Pass
		2605	Edge 1RB Left	21.38	/	/	20.88	/	/	<=33	Pass
			Edge 1RB Right	21.60	/	/	21.10	/	/	<=33	Pass
			Outer_Full	21.68	/	/	21.18	/	/	<=33	Pass
			Inner_Full	22.67	/	/	22.17	/	/	<=33	Pass
			Inner 1RB Left	22.39	/	/	21.89	/	/	<=33	Pass
			Inner 1RB Right	22.56	/	/	22.06	/	/	<=33	Pass
		CP-OFDM 64 QAM	2585	Edge 1RB Left	21.25	/	/	20.75	/	/	<=33
Edge 1RB Right	21.28			/	/	20.78	/	/	<=33	Pass	
Outer_Full	21.01			/	/	20.51	/	/	<=33	Pass	
Inner_Full	20.96			/	/	20.46	/	/	<=33	Pass	
Inner 1RB Left	21.18			/	/	20.68	/	/	<=33	Pass	
Inner 1RB Right	21.22			/	/	20.72	/	/	<=33	Pass	
2595	Edge 1RB Left		21.08	/	/	20.58	/	/	<=33	Pass	
	Edge 1RB Right		21.25	/	/	20.75	/	/	<=33	Pass	
	Outer_Full		21.06	/	/	20.56	/	/	<=33	Pass	
	Inner_Full		20.98	/	/	20.48	/	/	<=33	Pass	
	Inner 1RB Left		21.04	/	/	20.54	/	/	<=33	Pass	
	Inner 1RB Right		21.27	/	/	20.77	/	/	<=33	Pass	
2605	Edge 1RB Left		21.02	/	/	20.52	/	/	<=33	Pass	
	Edge 1RB Right		21.23	/	/	20.73	/	/	<=33	Pass	
	Outer_Full		21.20	/	/	20.70	/	/	<=33	Pass	
	Inner_Full		21.16	/	/	20.66	/	/	<=33	Pass	
	Inner 1RB Left		21.04	/	/	20.54	/	/	<=33	Pass	
	Inner 1RB Right		21.28	/	/	20.78	/	/	<=33	Pass	
CP-OFDM 256 QAM	2585	Edge 1RB Left	17.93	/	/	17.43	/	/	<=33	Pass	
		Edge 1RB Right	18.06	/	/	17.56	/	/	<=33	Pass	
		Outer_Full	17.92	/	/	17.42	/	/	<=33	Pass	
		Inner_Full	17.91	/	/	17.41	/	/	<=33	Pass	
		Inner 1RB Left	17.95	/	/	17.45	/	/	<=33	Pass	
		Inner 1RB Right	18.03	/	/	17.53	/	/	<=33	Pass	
	2595	Edge 1RB Left	17.91	/	/	17.41	/	/	<=33	Pass	
		Edge 1RB Right	18.21	/	/	17.71	/	/	<=33	Pass	
		Outer_Full	18.01	/	/	17.51	/	/	<=33	Pass	
		Inner_Full	17.99	/	/	17.49	/	/	<=33	Pass	
		Inner 1RB Left	17.95	/	/	17.45	/	/	<=33	Pass	
		Inner 1RB Right	18.17	/	/	17.67	/	/	<=33	Pass	
	2605	Edge 1RB Left	17.88	/	/	17.38	/	/	<=33	Pass	
		Edge 1RB Right	18.12	/	/	17.62	/	/	<=33	Pass	
		Outer_Full	18.16	/	/	17.66	/	/	<=33	Pass	
Inner_Full		18.10	/	/	17.60	/	/	<=33	Pass		
Inner 1RB Left		17.93	/	/	17.43	/	/	<=33	Pass		
Inner 1RB Right	18.08	/	/	17.58	/	/	<=33	Pass			
Note1: Antenna Gain: Ant2: -0.50dBi; Note2: EIRP=Conducted Power+Antenna Gain											

1.3 30k_SISO_40MHz_NTNV_EIRP

1.3.1 Test Result

5G NR n38 SCS=30kHz SISO 40MHz 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	2590	Edge_1RB_Left	23.45	/	/	22.95	/	/	<=33	Pass
		Edge_1RB_Right	23.64	/	/	23.14	/	/	<=33	Pass
		Outer_Full	23.46	/	/	22.96	/	/	<=33	Pass
		Inner_Full	23.45	/	/	22.95	/	/	<=33	Pass
		Inner_1RB_Left	23.47	/	/	22.97	/	/	<=33	Pass
		Inner_1RB_Right	23.65	/	/	23.15	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.43	/	/	22.93	/	/	<=33	Pass
		Edge_1RB_Right	23.64	/	/	23.14	/	/	<=33	Pass
		Outer_Full	23.57	/	/	23.07	/	/	<=33	Pass
		Inner_Full	23.56	/	/	23.06	/	/	<=33	Pass
		Inner_1RB_Left	23.47	/	/	22.97	/	/	<=33	Pass
		Inner_1RB_Right	23.65	/	/	23.15	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.43	/	/	22.93	/	/	<=33	Pass
		Edge_1RB_Right	23.57	/	/	23.07	/	/	<=33	Pass
		Outer_Full	23.59	/	/	23.09	/	/	<=33	Pass
		Inner_Full	23.57	/	/	23.07	/	/	<=33	Pass
		Inner_1RB_Left	23.34	/	/	22.84	/	/	<=33	Pass
		Inner_1RB_Right	23.61	/	/	23.11	/	/	<=33	Pass
DFT-s-OFDM QPSK	2590	Edge_1RB_Left	23.39	/	/	22.89	/	/	<=33	Pass
		Edge_1RB_Right	23.66	/	/	23.16	/	/	<=33	Pass
		Outer_Full	23.46	/	/	22.96	/	/	<=33	Pass
		Inner_Full	23.42	/	/	22.92	/	/	<=33	Pass
		Inner_1RB_Left	23.47	/	/	22.97	/	/	<=33	Pass
		Inner_1RB_Right	23.64	/	/	23.14	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.47	/	/	22.97	/	/	<=33	Pass
		Edge_1RB_Right	23.63	/	/	23.13	/	/	<=33	Pass
		Outer_Full	23.59	/	/	23.09	/	/	<=33	Pass
		Inner_Full	23.45	/	/	22.95	/	/	<=33	Pass
		Inner_1RB_Left	23.44	/	/	22.94	/	/	<=33	Pass
		Inner_1RB_Right	23.63	/	/	23.13	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.31	/	/	22.81	/	/	<=33	Pass
		Edge_1RB_Right	23.57	/	/	23.07	/	/	<=33	Pass
		Outer_Full	23.58	/	/	23.08	/	/	<=33	Pass
		Inner_Full	23.57	/	/	23.07	/	/	<=33	Pass
		Inner_1RB_Left	23.30	/	/	22.80	/	/	<=33	Pass
		Inner_1RB_Right	23.61	/	/	23.11	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2590	Edge_1RB_Left	22.31	/	/	21.81	/	/	<=33	Pass
		Edge_1RB_Right	22.50	/	/	22.00	/	/	<=33	Pass
		Outer_Full	22.49	/	/	21.99	/	/	<=33	Pass
		Inner_Full	23.46	/	/	22.96	/	/	<=33	Pass
		Inner_1RB_Left	23.29	/	/	22.79	/	/	<=33	Pass
		Inner_1RB_Right	23.53	/	/	23.03	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.34	/	/	21.84	/	/	<=33	Pass
		Edge_1RB_Right	22.53	/	/	22.03	/	/	<=33	Pass
		Outer_Full	22.57	/	/	22.07	/	/	<=33	Pass
		Inner_Full	23.48	/	/	22.98	/	/	<=33	Pass
		Inner_1RB_Left	23.36	/	/	22.86	/	/	<=33	Pass
		Inner_1RB_Right	23.59	/	/	23.09	/	/	<=33	Pass
	2600	Edge_1RB_Left	22.26	/	/	21.76	/	/	<=33	Pass
		Edge_1RB_Right	22.48	/	/	21.98	/	/	<=33	Pass
		Outer_Full	22.59	/	/	22.09	/	/	<=33	Pass
		Inner_Full	23.58	/	/	23.08	/	/	<=33	Pass
		Inner_1RB_Left	23.30	/	/	22.80	/	/	<=33	Pass
		Inner_1RB_Right	23.51	/	/	23.01	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2590	Edge_1RB_Left	21.99	/	/	21.49	/	/	<=33	Pass
		Edge_1RB_Right	22.20	/	/	21.70	/	/	<=33	Pass
		Outer_Full	22.03	/	/	21.53	/	/	<=33	Pass

		Inner_Full	21.95	/	/	21.45	/	/	<=33	Pass
		Inner_1RB_Left	21.99	/	/	21.49	/	/	<=33	Pass
		Inner_1RB_Right	22.20	/	/	21.70	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.07	/	/	21.57	/	/	<=33	Pass
		Edge_1RB_Right	22.21	/	/	21.71	/	/	<=33	Pass
		Outer_Full	22.11	/	/	21.61	/	/	<=33	Pass
		Inner_Full	22.00	/	/	21.50	/	/	<=33	Pass
		Inner_1RB_Left	22.04	/	/	21.54	/	/	<=33	Pass
		Inner_1RB_Right	22.18	/	/	21.68	/	/	<=33	Pass
	2600	Edge_1RB_Left	21.91	/	/	21.41	/	/	<=33	Pass
		Edge_1RB_Right	22.16	/	/	21.66	/	/	<=33	Pass
		Outer_Full	22.16	/	/	21.66	/	/	<=33	Pass
		Inner_Full	22.07	/	/	21.57	/	/	<=33	Pass
		Inner_1RB_Left	21.93	/	/	21.43	/	/	<=33	Pass
		Inner_1RB_Right	22.20	/	/	21.70	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2590	Edge_1RB_Left	19.96	/	/	19.46	/	/	<=33	Pass
		Edge_1RB_Right	20.10	/	/	19.60	/	/	<=33	Pass
		Outer_Full	20.04	/	/	19.54	/	/	<=33	Pass
		Inner_Full	19.92	/	/	19.42	/	/	<=33	Pass
		Inner_1RB_Left	19.94	/	/	19.44	/	/	<=33	Pass
		Inner_1RB_Right	20.17	/	/	19.67	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.98	/	/	19.48	/	/	<=33	Pass
		Edge_1RB_Right	20.16	/	/	19.66	/	/	<=33	Pass
		Outer_Full	20.01	/	/	19.51	/	/	<=33	Pass
		Inner_Full	19.97	/	/	19.47	/	/	<=33	Pass
		Inner_1RB_Left	19.98	/	/	19.48	/	/	<=33	Pass
		Inner_1RB_Right	20.18	/	/	19.68	/	/	<=33	Pass
	2600	Edge_1RB_Left	19.86	/	/	19.36	/	/	<=33	Pass
		Edge_1RB_Right	20.06	/	/	19.56	/	/	<=33	Pass
		Outer_Full	20.08	/	/	19.58	/	/	<=33	Pass
		Inner_Full	20.04	/	/	19.54	/	/	<=33	Pass
		Inner_1RB_Left	19.86	/	/	19.36	/	/	<=33	Pass
		Inner_1RB_Right	20.13	/	/	19.63	/	/	<=33	Pass
CP-OFDM QPSK	2590	Edge_1RB_Left	21.53	/	/	21.03	/	/	<=33	Pass
		Edge_1RB_Right	21.71	/	/	21.21	/	/	<=33	Pass
		Outer_Full	21.51	/	/	21.01	/	/	<=33	Pass
		Inner_Full	22.99	/	/	22.49	/	/	<=33	Pass
		Inner_1RB_Left	23.08	/	/	22.58	/	/	<=33	Pass
		Inner_1RB_Right	23.23	/	/	22.73	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.57	/	/	21.07	/	/	<=33	Pass
		Edge_1RB_Right	21.62	/	/	21.12	/	/	<=33	Pass
		Outer_Full	21.63	/	/	21.13	/	/	<=33	Pass
		Inner_Full	23.03	/	/	22.53	/	/	<=33	Pass
		Inner_1RB_Left	23.05	/	/	22.55	/	/	<=33	Pass
		Inner_1RB_Right	23.14	/	/	22.64	/	/	<=33	Pass
	2600	Edge_1RB_Left	21.43	/	/	20.93	/	/	<=33	Pass
		Edge_1RB_Right	21.67	/	/	21.17	/	/	<=33	Pass
		Outer_Full	21.61	/	/	21.11	/	/	<=33	Pass
		Inner_Full	23.10	/	/	22.60	/	/	<=33	Pass
		Inner_1RB_Left	22.94	/	/	22.44	/	/	<=33	Pass
		Inner_1RB_Right	23.21	/	/	22.71	/	/	<=33	Pass
CP-OFDM 16 QAM	2590	Edge_1RB_Left	21.37	/	/	20.87	/	/	<=33	Pass
		Edge_1RB_Right	21.56	/	/	21.06	/	/	<=33	Pass
		Outer_Full	21.54	/	/	21.04	/	/	<=33	Pass
		Inner_Full	22.50	/	/	22.00	/	/	<=33	Pass
		Inner_1RB_Left	22.36	/	/	21.86	/	/	<=33	Pass
		Inner_1RB_Right	22.55	/	/	22.05	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.56	/	/	21.06	/	/	<=33	Pass
		Edge_1RB_Right	21.78	/	/	21.28	/	/	<=33	Pass

		Outer_Full	21.59	/	/	21.09	/	/	<=33	Pass
		Inner_Full	22.58	/	/	22.08	/	/	<=33	Pass
		Inner_1RB_Left	22.60	/	/	22.10	/	/	<=33	Pass
		Inner_1RB_Right	22.83	/	/	22.33	/	/	<=33	Pass
	2600	Edge_1RB_Left	21.28	/	/	20.78	/	/	<=33	Pass
		Edge_1RB_Right	21.53	/	/	21.03	/	/	<=33	Pass
		Outer_Full	21.59	/	/	21.09	/	/	<=33	Pass
		Inner_Full	22.60	/	/	22.10	/	/	<=33	Pass
		Inner_1RB_Left	22.20	/	/	21.70	/	/	<=33	Pass
		Inner_1RB_Right	22.54	/	/	22.04	/	/	<=33	Pass
CP-OFDM 64 QAM	2590	Edge_1RB_Left	20.99	/	/	20.49	/	/	<=33	Pass
		Edge_1RB_Right	21.18	/	/	20.68	/	/	<=33	Pass
		Outer_Full	21.06	/	/	20.56	/	/	<=33	Pass
		Inner_Full	20.96	/	/	20.46	/	/	<=33	Pass
		Inner_1RB_Left	21.01	/	/	20.51	/	/	<=33	Pass
		Inner_1RB_Right	21.22	/	/	20.72	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.10	/	/	20.60	/	/	<=33	Pass
		Edge_1RB_Right	21.35	/	/	20.85	/	/	<=33	Pass
		Outer_Full	21.16	/	/	20.66	/	/	<=33	Pass
		Inner_Full	21.04	/	/	20.54	/	/	<=33	Pass
		Inner_1RB_Left	21.17	/	/	20.67	/	/	<=33	Pass
		Inner_1RB_Right	21.35	/	/	20.85	/	/	<=33	Pass
	2600	Edge_1RB_Left	20.85	/	/	20.35	/	/	<=33	Pass
		Edge_1RB_Right	21.17	/	/	20.67	/	/	<=33	Pass
		Outer_Full	21.13	/	/	20.63	/	/	<=33	Pass
		Inner_Full	21.10	/	/	20.60	/	/	<=33	Pass
		Inner_1RB_Left	20.85	/	/	20.35	/	/	<=33	Pass
		Inner_1RB_Right	21.20	/	/	20.70	/	/	<=33	Pass
CP-OFDM 256 QAM	2590	Edge_1RB_Left	17.95	/	/	17.45	/	/	<=33	Pass
		Edge_1RB_Right	18.17	/	/	17.67	/	/	<=33	Pass
		Outer_Full	18.01	/	/	17.51	/	/	<=33	Pass
		Inner_Full	17.99	/	/	17.49	/	/	<=33	Pass
		Inner_1RB_Left	18.00	/	/	17.50	/	/	<=33	Pass
		Inner_1RB_Right	18.20	/	/	17.70	/	/	<=33	Pass
	2595	Edge_1RB_Left	17.97	/	/	17.47	/	/	<=33	Pass
		Edge_1RB_Right	18.21	/	/	17.71	/	/	<=33	Pass
		Outer_Full	18.08	/	/	17.58	/	/	<=33	Pass
		Inner_Full	18.05	/	/	17.55	/	/	<=33	Pass
		Inner_1RB_Left	17.98	/	/	17.48	/	/	<=33	Pass
		Inner_1RB_Right	18.20	/	/	17.70	/	/	<=33	Pass
	2600	Edge_1RB_Left	17.93	/	/	17.43	/	/	<=33	Pass
		Edge_1RB_Right	18.18	/	/	17.68	/	/	<=33	Pass
Outer_Full		18.07	/	/	17.57	/	/	<=33	Pass	
Inner_Full		18.10	/	/	17.60	/	/	<=33	Pass	
Inner_1RB_Left		17.91	/	/	17.41	/	/	<=33	Pass	
Inner_1RB_Right	18.13	/	/	17.63	/	/	<=33	Pass		
Note1: Antenna Gain: Ant2: -0.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 30k_SISO_40MHz

2.1.1 Test Result

5G NR n38 SCS=30kHz SISO 40MHz

Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	20	LV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-13.50	-0.0052	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	5.60	0.0022	>=-2.5 & <=2.5	Pass
				HV	6.20	0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-12.30	-0.0047	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-17.60	-0.0068	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-11.70	-0.0045	>=-2.5 & <=2.5	Pass
			-20	NV	4.10	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			20	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	3.40	0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
				HV	9.30	0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-15.30	-0.0059	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	5.80	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-11.80	-0.0045	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass
			-30	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-15.00	-0.0058	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	NV	-11.80	-0.0045	>=-2.5 & <=2.5	Pass
				LV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass

			-30	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
				HV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-16.70	-0.0064	>=-2.5 & <=2.5	Pass
			20	NV	3.90	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			40	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
			-10	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	4.70	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			40	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
				HV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-12.50	-0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	14.40	0.0055	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

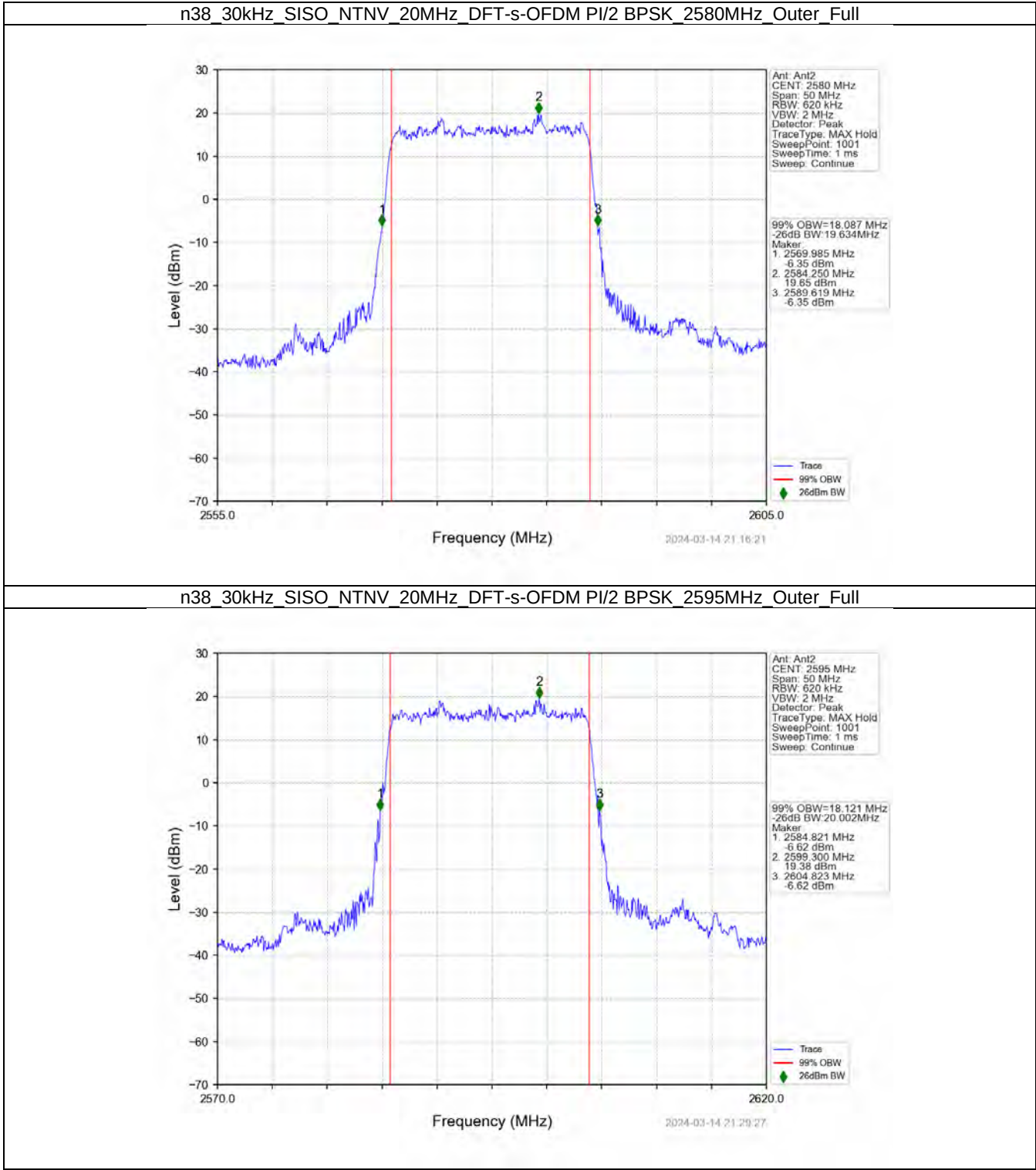
3.1 30k_SISO_20MHz_NTNV

3.1.1 Test Result

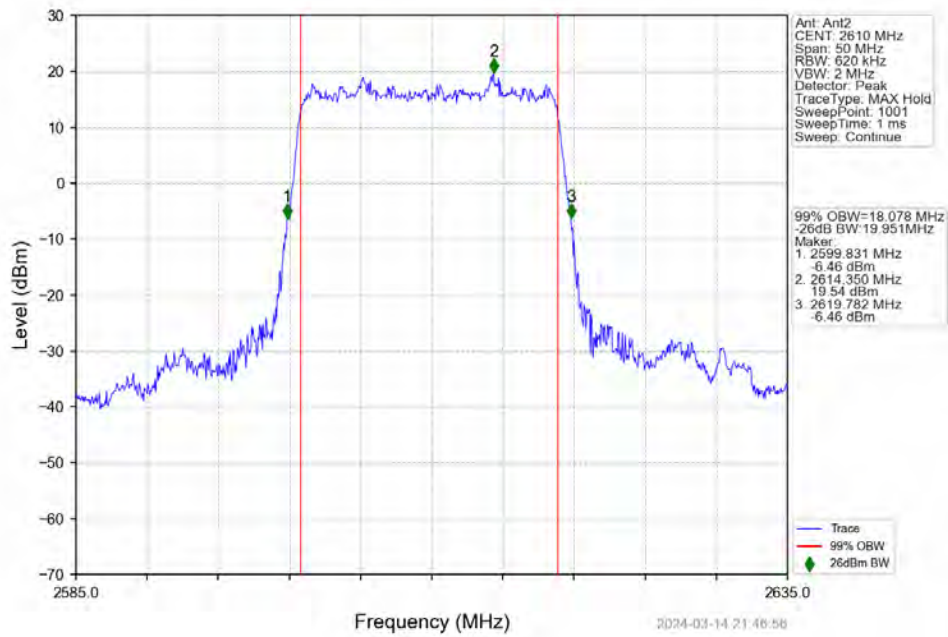
5G NR n38 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2580	Outer_Full	18.09	19.63	/	Pass
	2595	Outer_Full	18.12	20.00	/	Pass
	2610	Outer_Full	18.08	19.95	/	Pass
DFT-s-OFDM QPSK	2580	Outer_Full	18.11	20.07	/	Pass

	2595	Outer_Full	18.11	20.06	/	Pass
	2610	Outer_Full	18.16	20.20	/	Pass
DFT-s-OFDM 16 QAM	2580	Outer_Full	18.18	19.91	/	Pass
	2595	Outer_Full	18.16	20.02	/	Pass
	2610	Outer_Full	18.10	19.87	/	Pass
DFT-s-OFDM 64 QAM	2580	Outer_Full	18.08	19.98	/	Pass
	2595	Outer_Full	18.13	20.09	/	Pass
	2610	Outer_Full	18.18	20.30	/	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	18.06	19.96	/	Pass
	2595	Outer_Full	18.06	20.11	/	Pass
	2610	Outer_Full	18.07	19.98	/	Pass
CP-OFDM QPSK	2580	Outer_Full	18.37	20.50	/	Pass
	2595	Outer_Full	18.40	20.57	/	Pass
	2610	Outer_Full	18.39	20.52	/	Pass
CP-OFDM 16 QAM	2580	Outer_Full	18.42	20.60	/	Pass
	2595	Outer_Full	18.42	20.55	/	Pass
	2610	Outer_Full	18.40	20.19	/	Pass
CP-OFDM 64 QAM	2580	Outer_Full	18.40	20.29	/	Pass
	2595	Outer_Full	18.40	20.36	/	Pass
	2610	Outer_Full	18.42	20.31	/	Pass
CP-OFDM 256 QAM	2580	Outer_Full	18.38	20.32	/	Pass
	2595	Outer_Full	18.37	20.43	/	Pass
	2610	Outer_Full	18.36	20.39	/	Pass

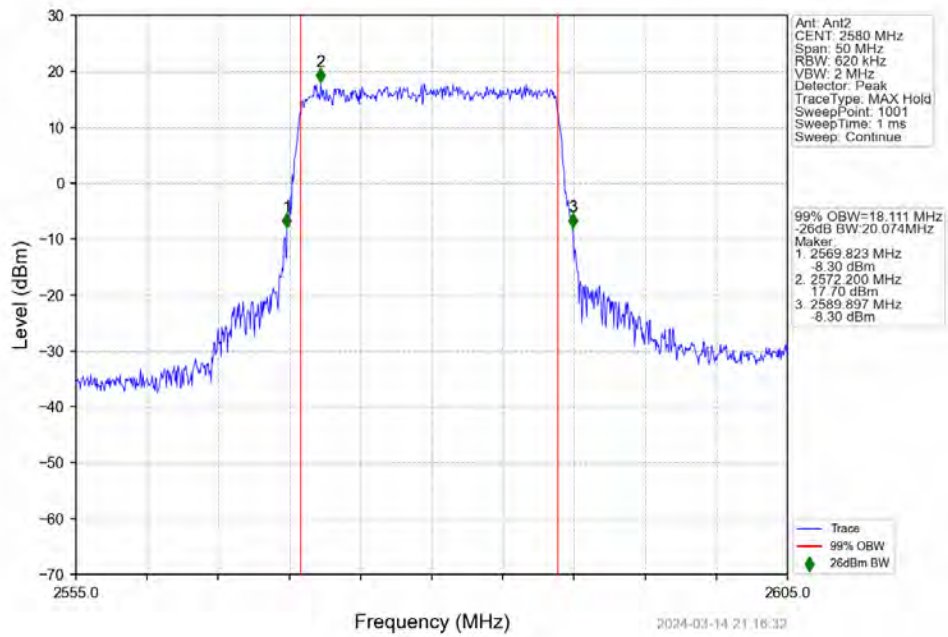
3.1.2 Test Graph



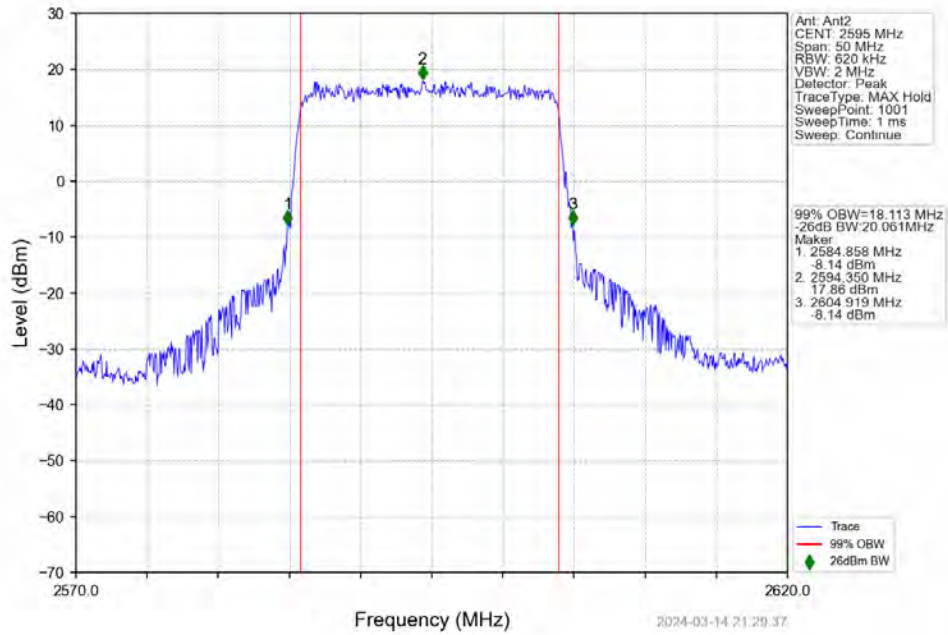
n38 30kHz SISO NTV 20MHz DFT-s-OFDM PI/2 BPSK 2610MHz Outer Full



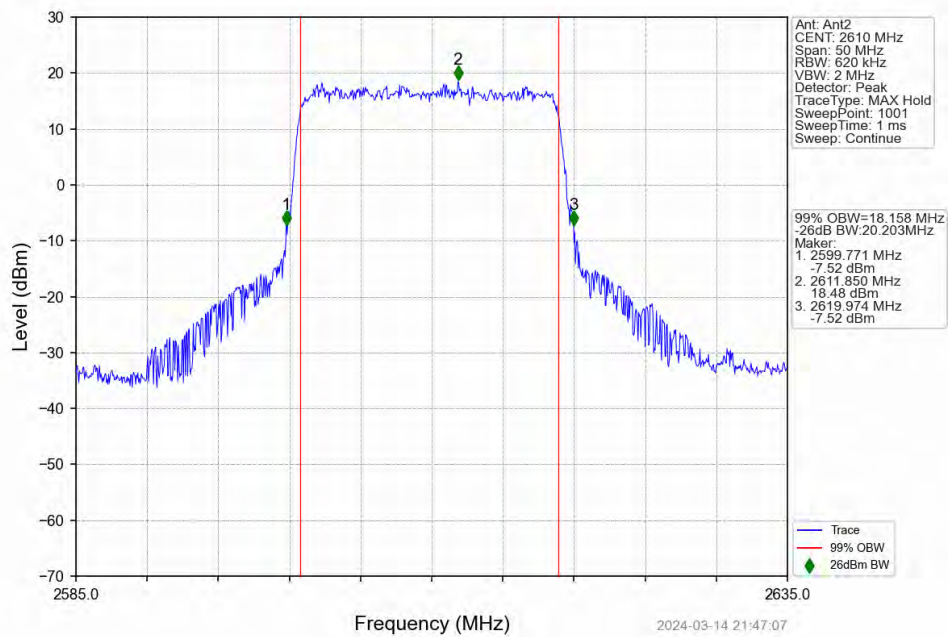
n38 30kHz SISO NTV 20MHz DFT-s-OFDM QPSK 2580MHz Outer Full



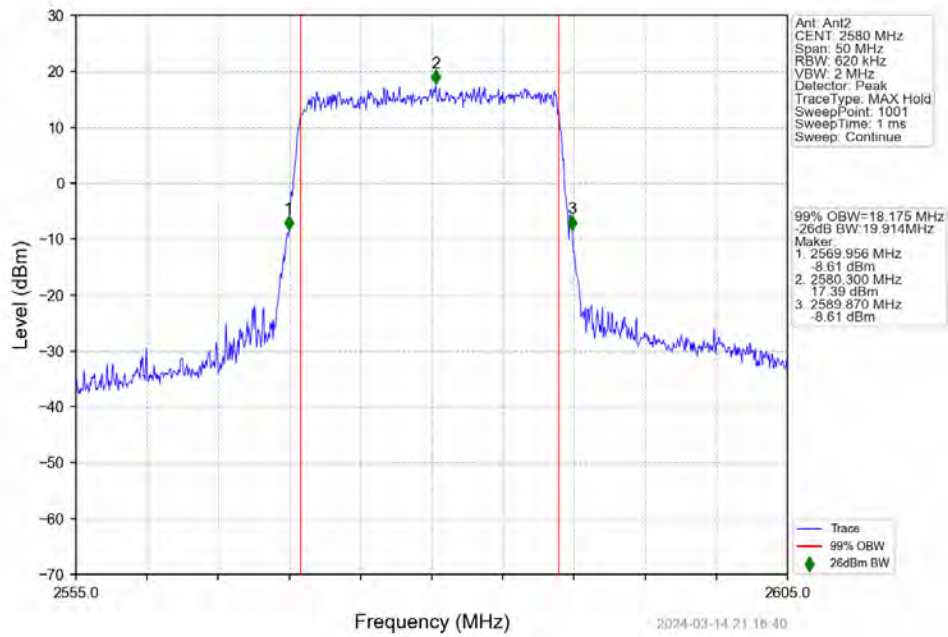
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2595MHz Outer Full



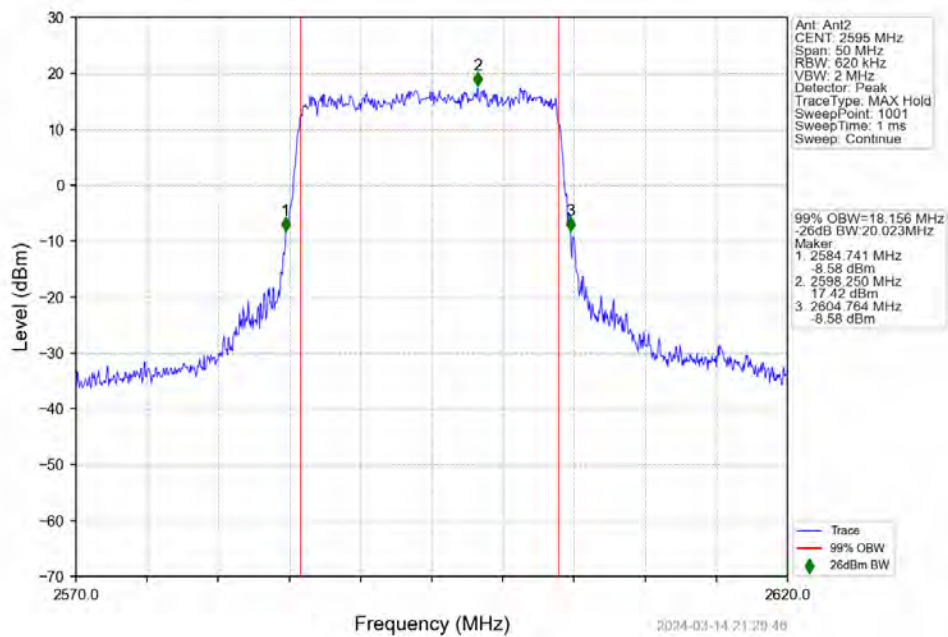
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2610MHz Outer Full



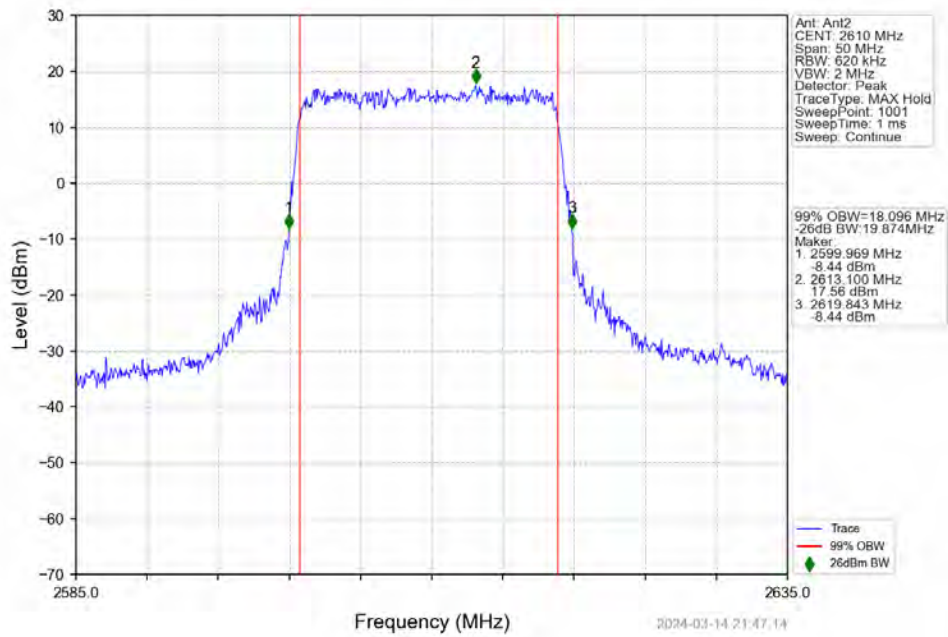
n38 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 2580MHz Outer Full



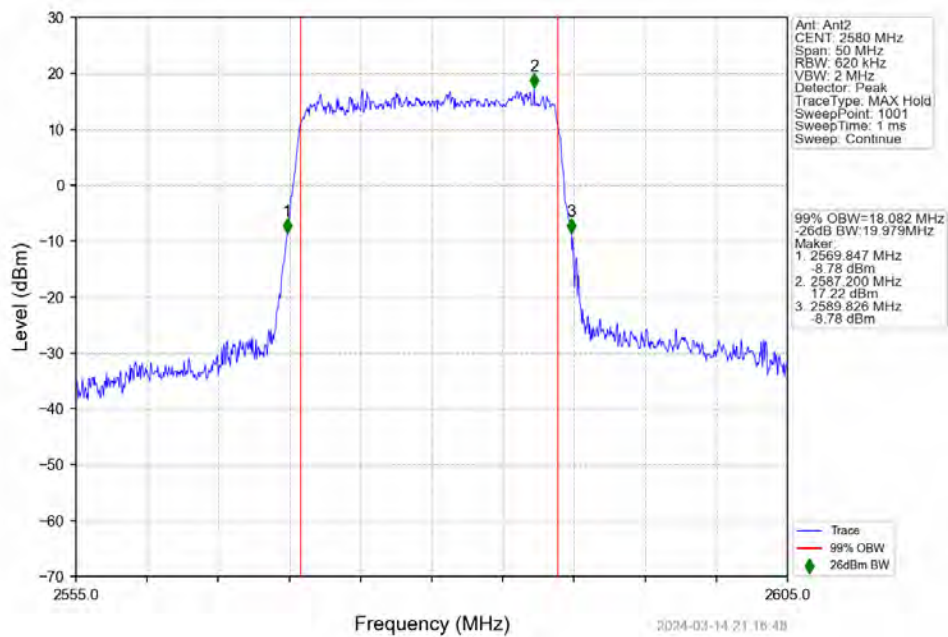
n38 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 2595MHz Outer Full



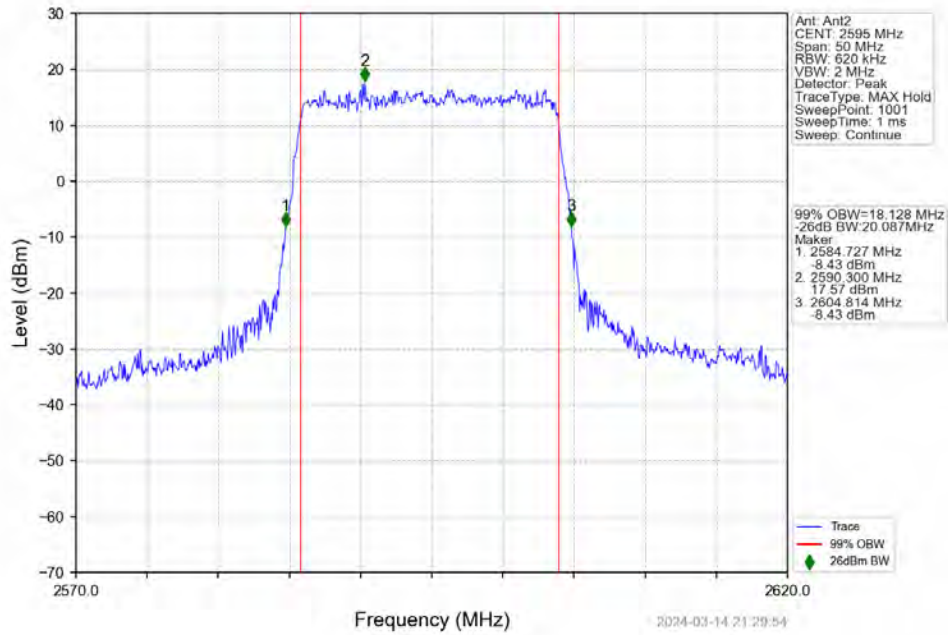
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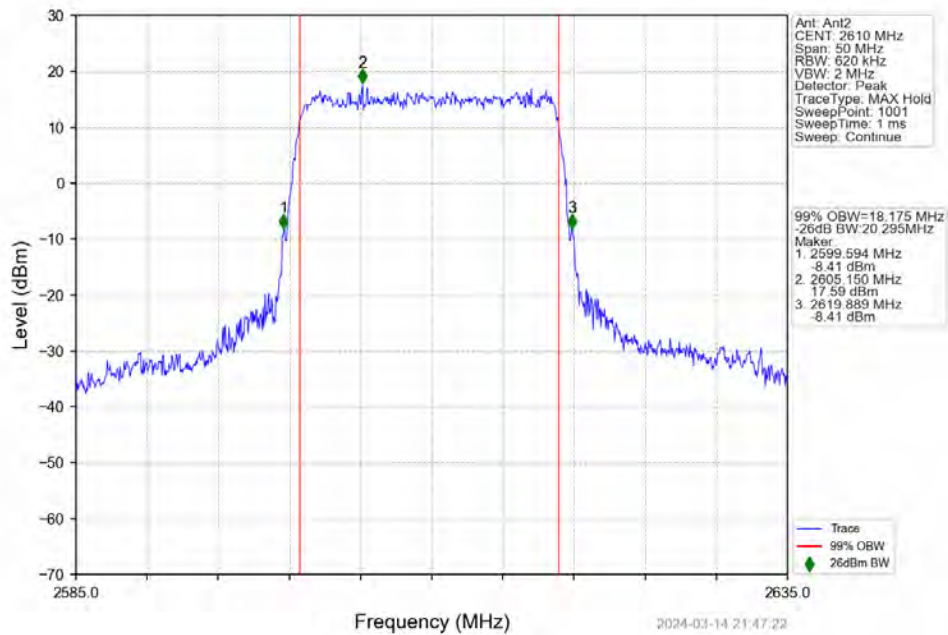
n38 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2580MHz Outer Full



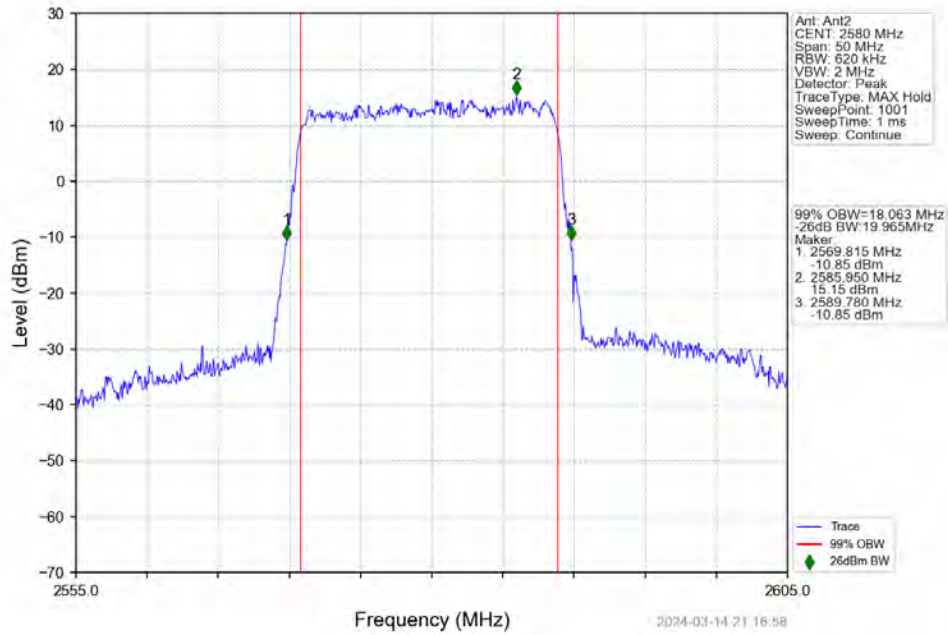
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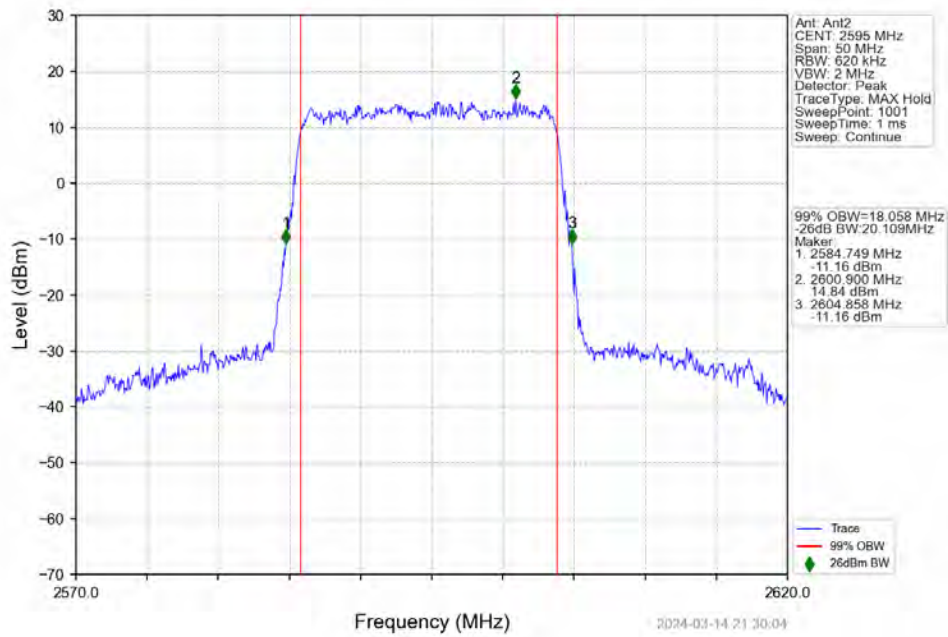
n38 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2610MHz Outer Full



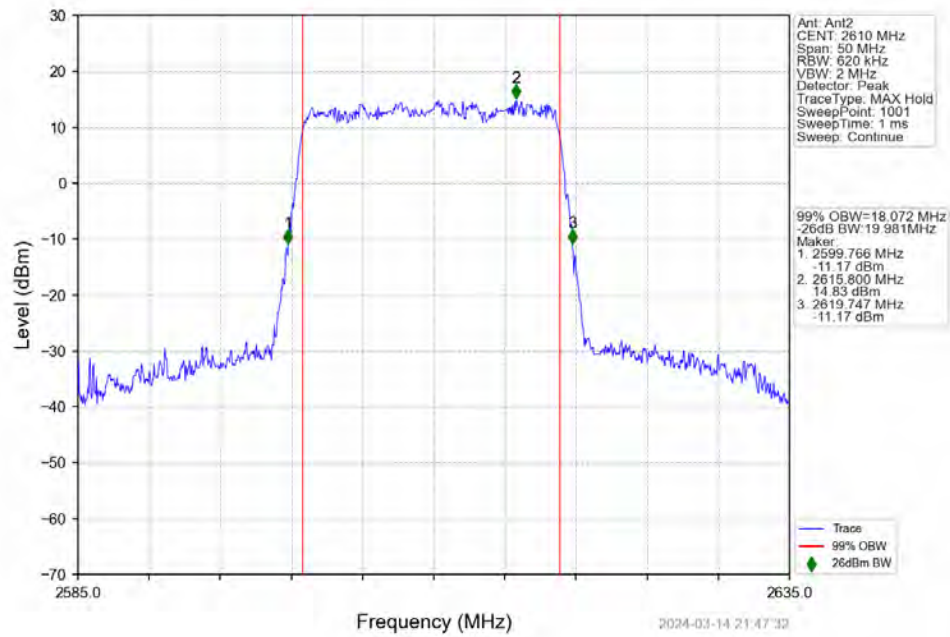
n38 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 2580MHz Outer Full



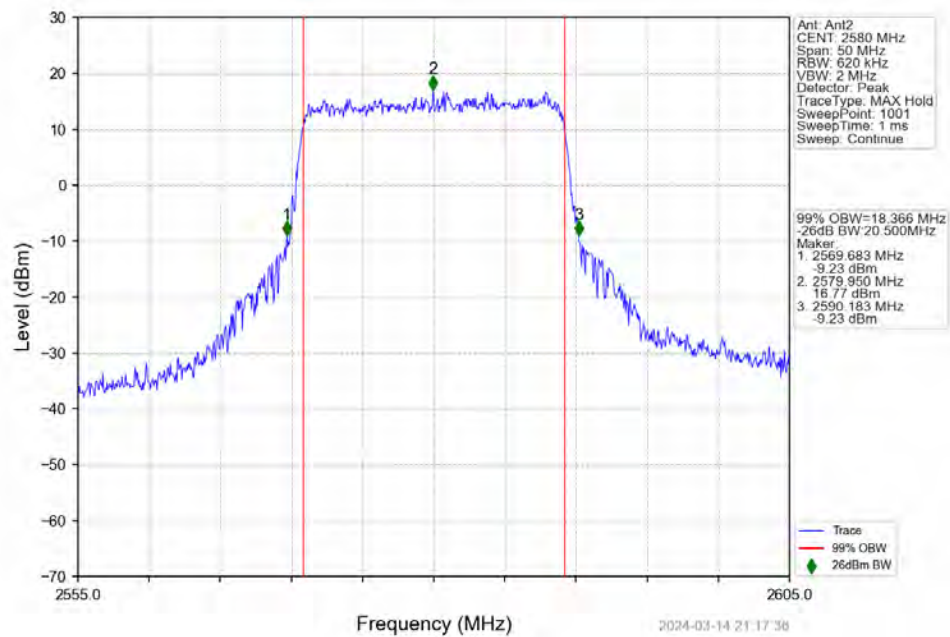
n38 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 2595MHz Outer Full



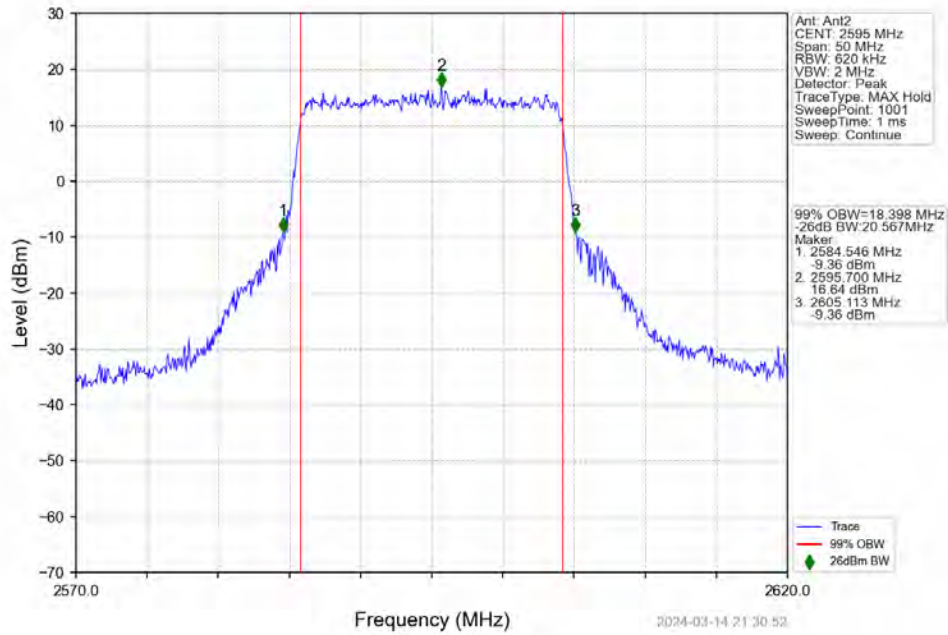
n38 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 2610MHz Outer Full



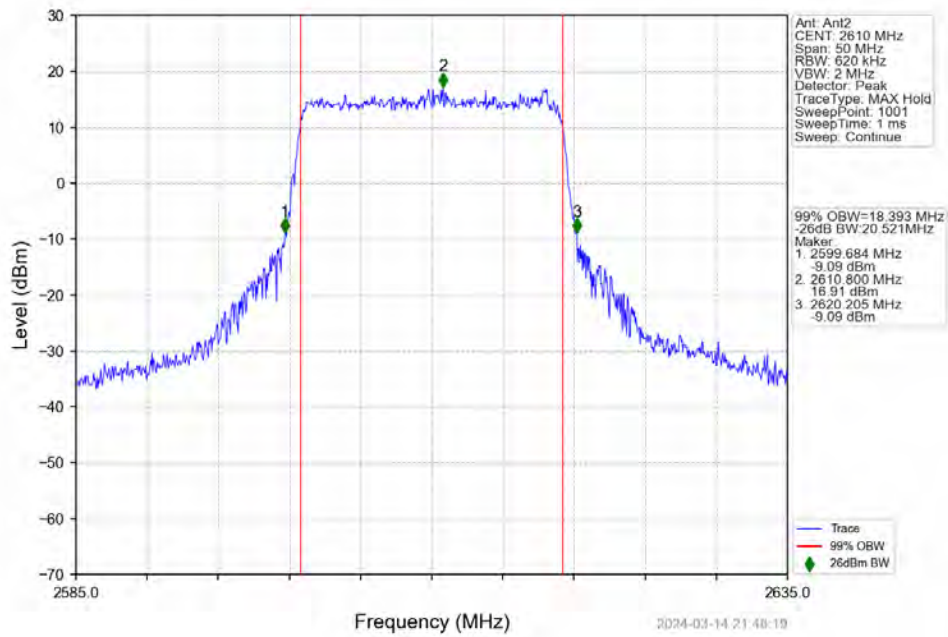
n38 30kHz SISO NTN 20MHz CP-OFDM QPSK 2580MHz Outer Full



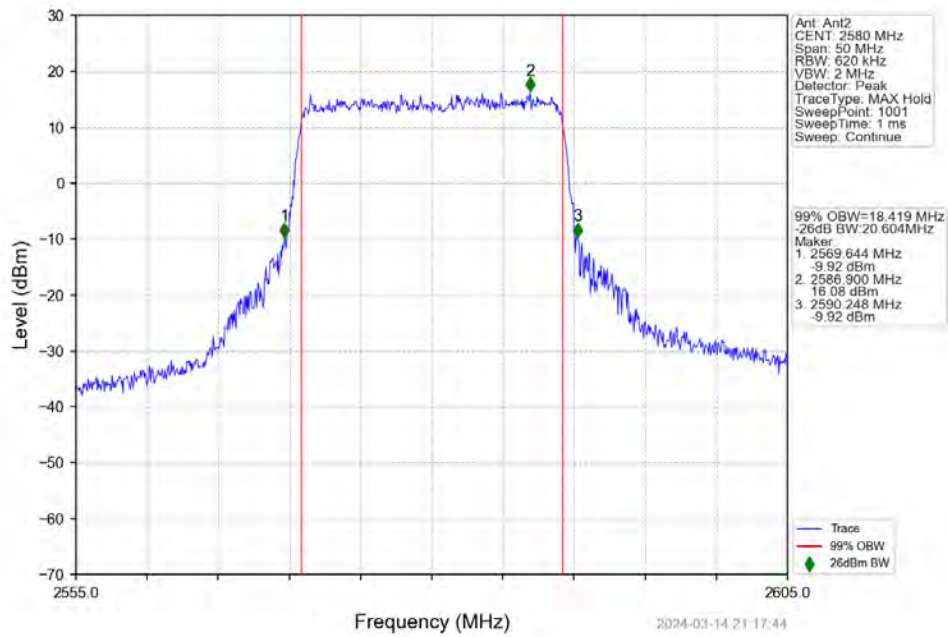
n38 30kHz SISO NTN 20MHz CP-OFDM QPSK 2595MHz Outer Full



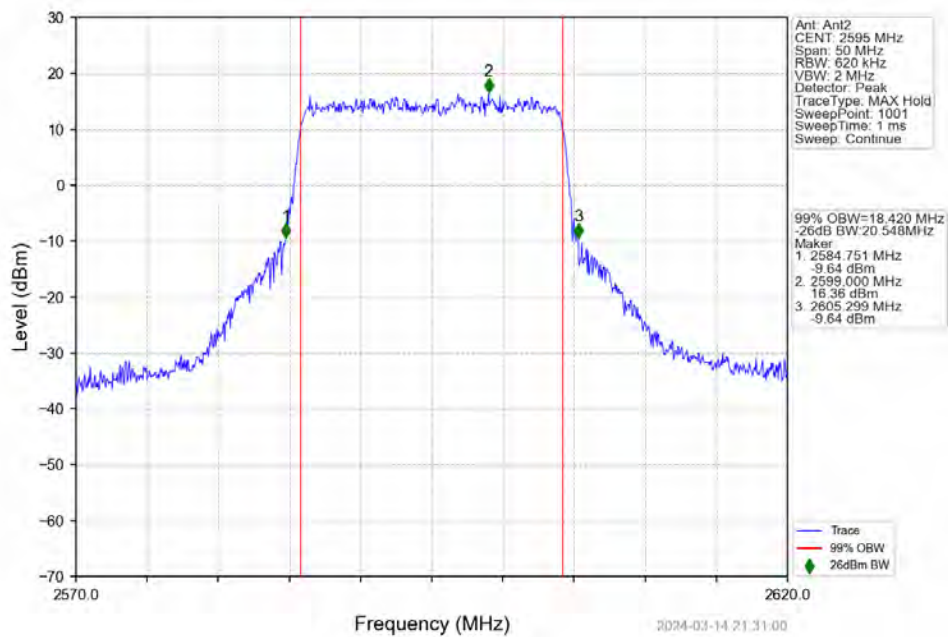
n38 30kHz SISO NTN 20MHz CP-OFDM QPSK 2610MHz Outer Full



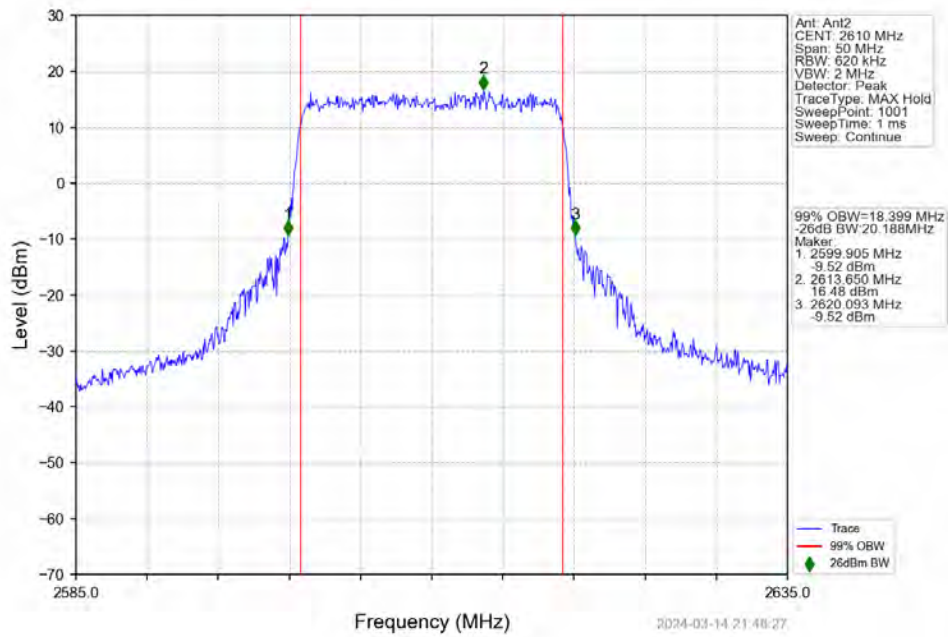
n38 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 2580MHz Outer Full



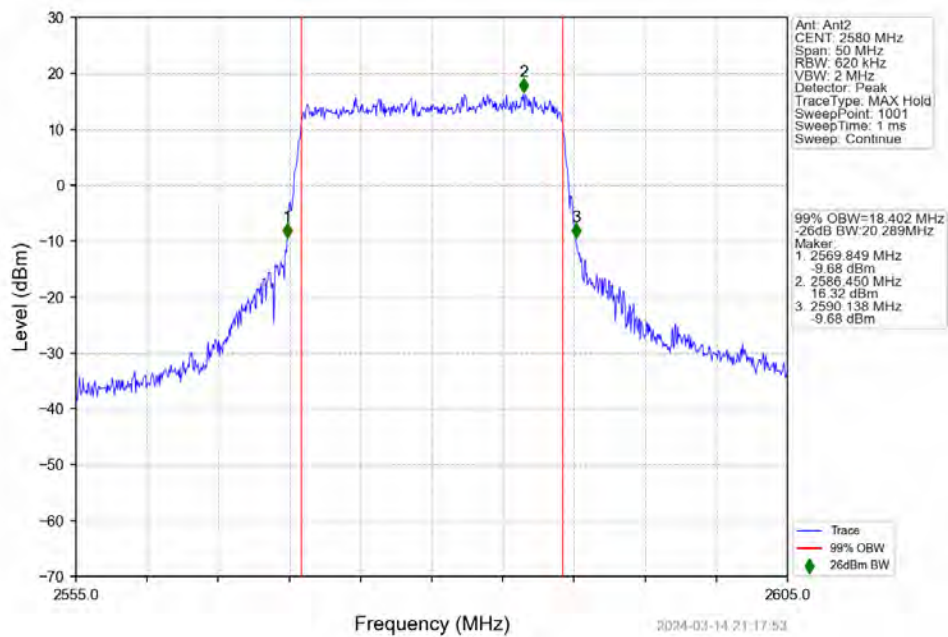
n38 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 2595MHz Outer Full



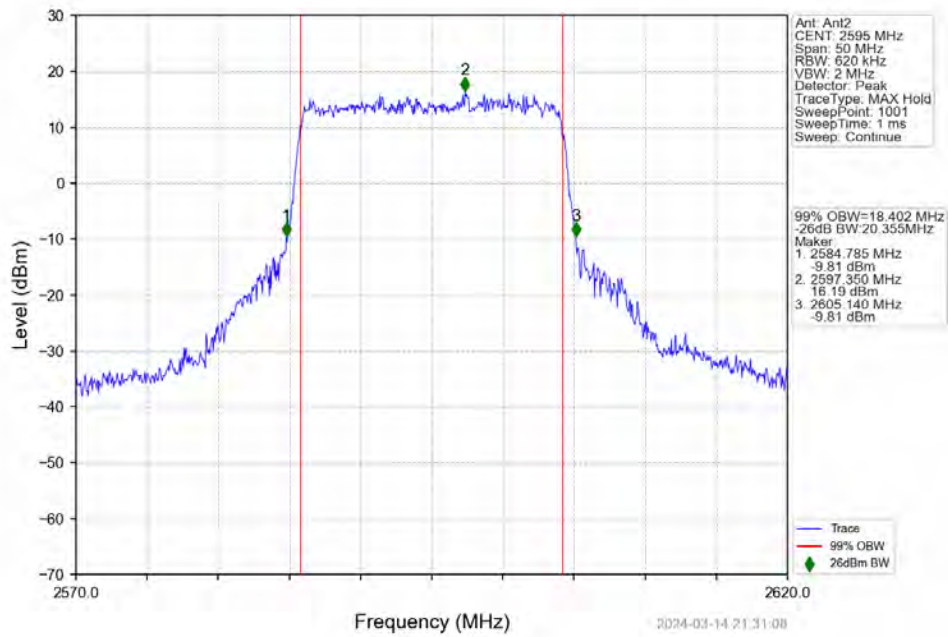
n38 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 2610MHz Outer Full



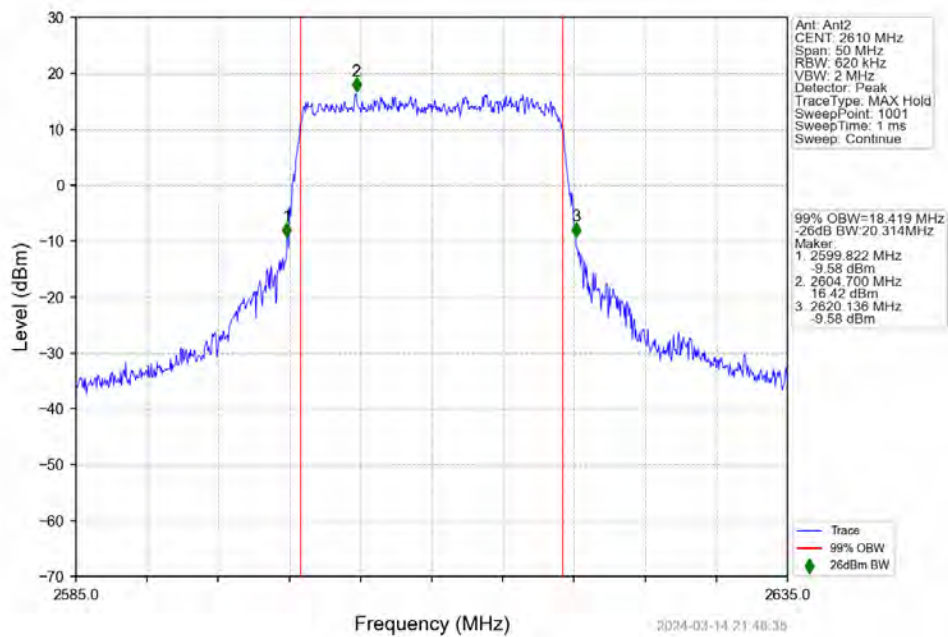
n38 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 2580MHz Outer Full



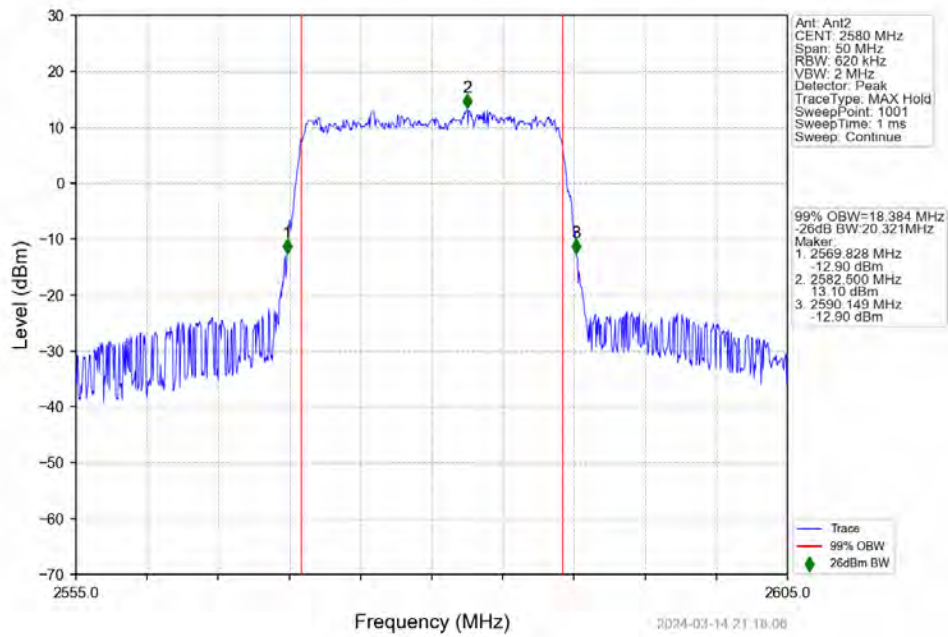
n38 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 2595MHz Outer Full



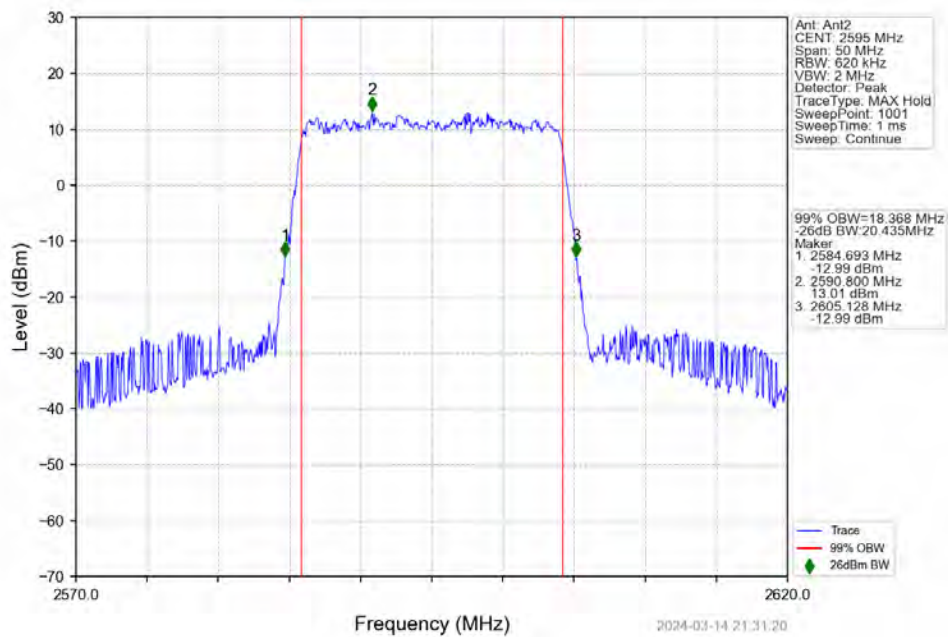
n38 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 2610MHz Outer Full

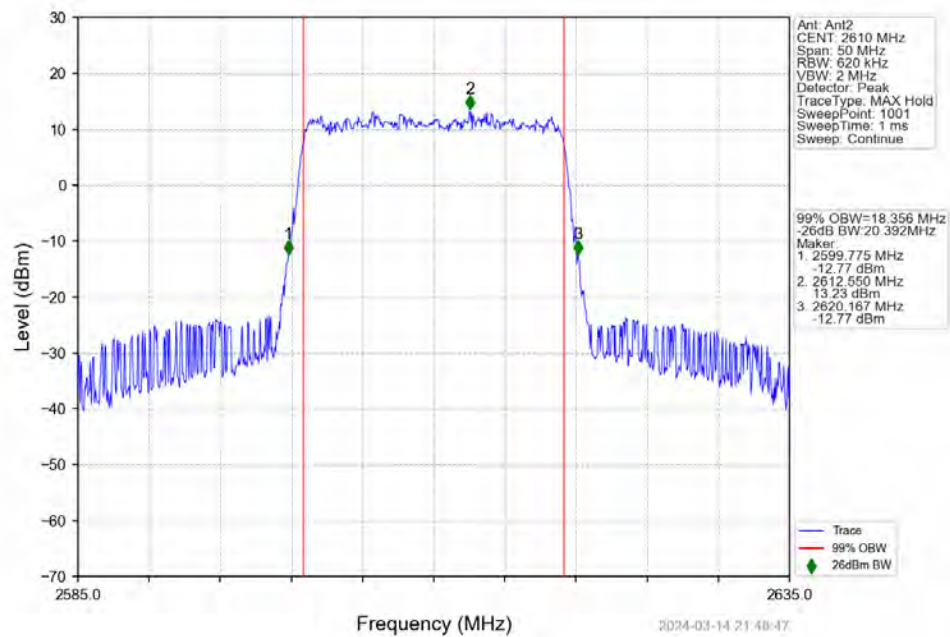


n38 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 2580MHz Outer Full



n38 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 2595MHz Outer Full



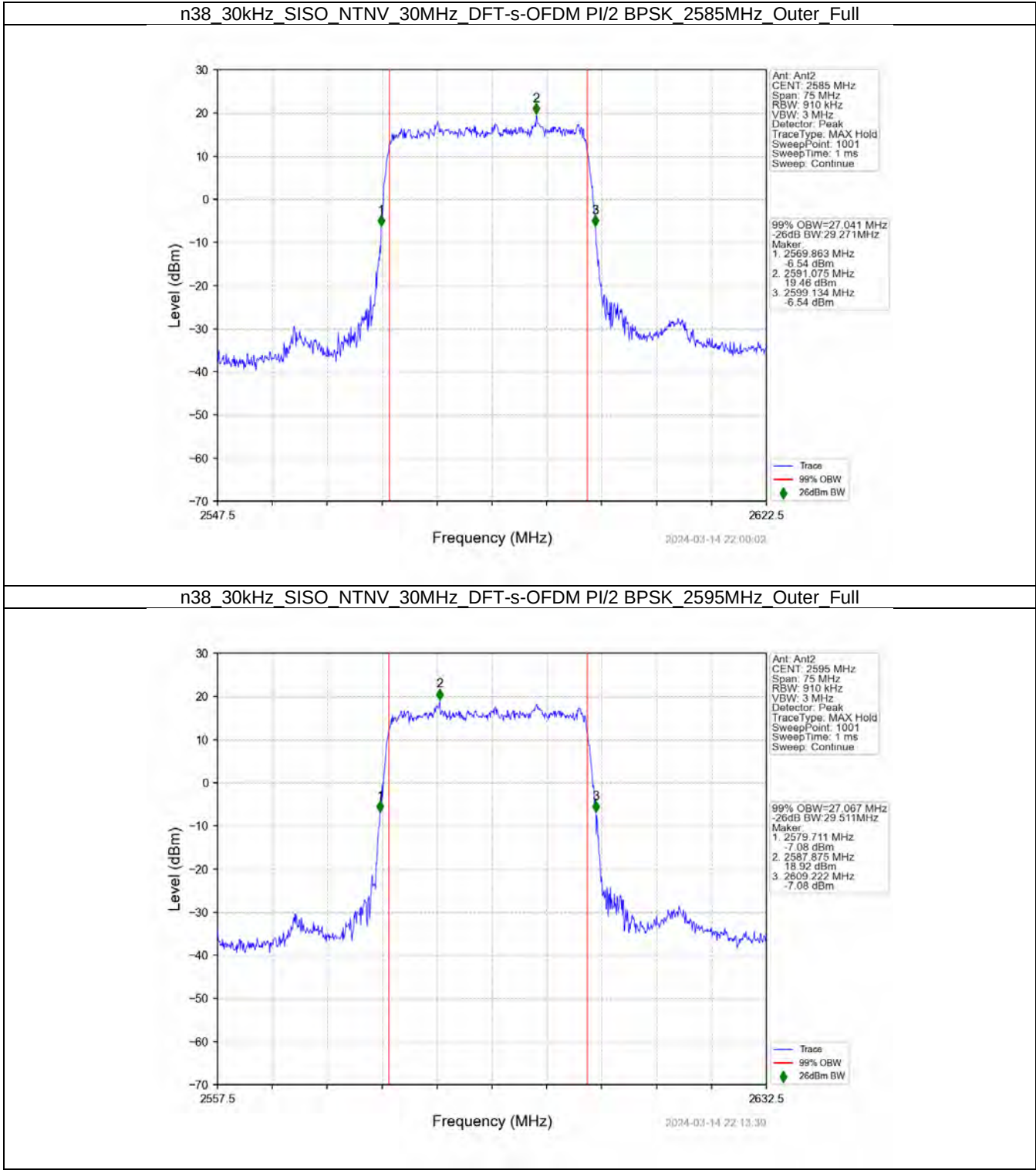


3.2 30k_SISO_30MHz_NTNV

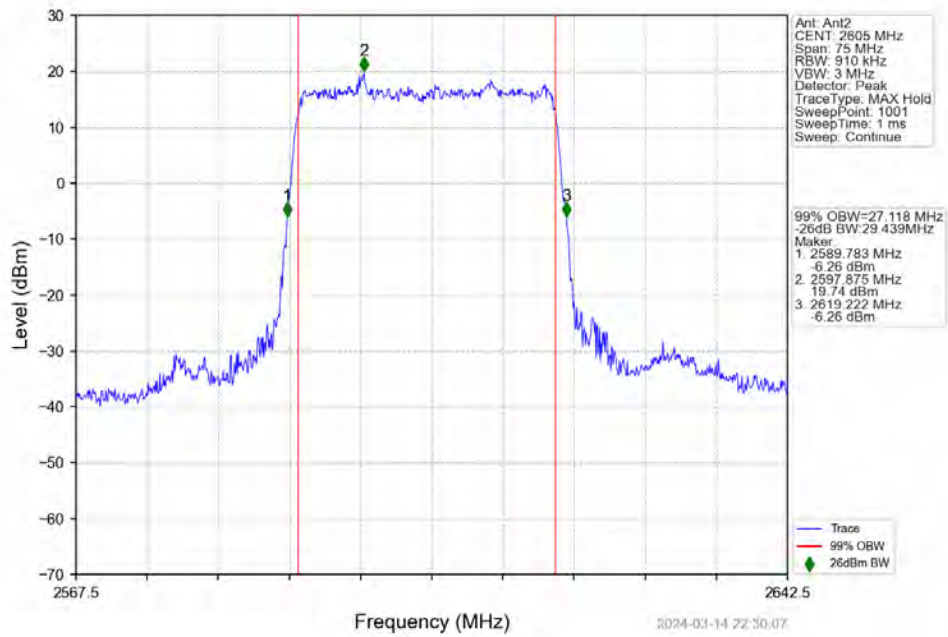
3.2.1 Test Result

5G NR n38 SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2585	Outer_Full	27.04	29.27	/	Pass
	2595	Outer_Full	27.07	29.51	/	Pass
	2605	Outer_Full	27.12	29.44	/	Pass
DFT-s-OFDM QPSK	2585	Outer_Full	27.13	29.57	/	Pass
	2595	Outer_Full	27.17	29.30	/	Pass
	2605	Outer_Full	27.11	29.50	/	Pass
DFT-s-OFDM 16 QAM	2585	Outer_Full	27.11	29.60	/	Pass
	2595	Outer_Full	27.15	29.62	/	Pass
	2605	Outer_Full	27.12	29.49	/	Pass
DFT-s-OFDM 64 QAM	2585	Outer_Full	27.18	29.53	/	Pass
	2595	Outer_Full	27.13	29.29	/	Pass
	2605	Outer_Full	27.10	29.27	/	Pass
DFT-s-OFDM 256 QAM	2585	Outer_Full	27.15	29.60	/	Pass
	2595	Outer_Full	27.19	29.44	/	Pass
	2605	Outer_Full	27.15	29.51	/	Pass
CP-OFDM QPSK	2585	Outer_Full	28.10	30.53	/	Pass
	2595	Outer_Full	28.12	30.62	/	Pass
	2605	Outer_Full	28.11	30.72	/	Pass
CP-OFDM 16 QAM	2585	Outer_Full	28.07	30.50	/	Pass
	2595	Outer_Full	28.09	30.56	/	Pass
	2605	Outer_Full	28.16	30.60	/	Pass
CP-OFDM 64 QAM	2585	Outer_Full	28.06	30.43	/	Pass
	2595	Outer_Full	28.11	30.51	/	Pass
	2605	Outer_Full	28.11	30.45	/	Pass
CP-OFDM 256 QAM	2585	Outer_Full	28.12	30.67	/	Pass
	2595	Outer_Full	28.09	30.51	/	Pass
	2605	Outer_Full	28.08	30.48	/	Pass

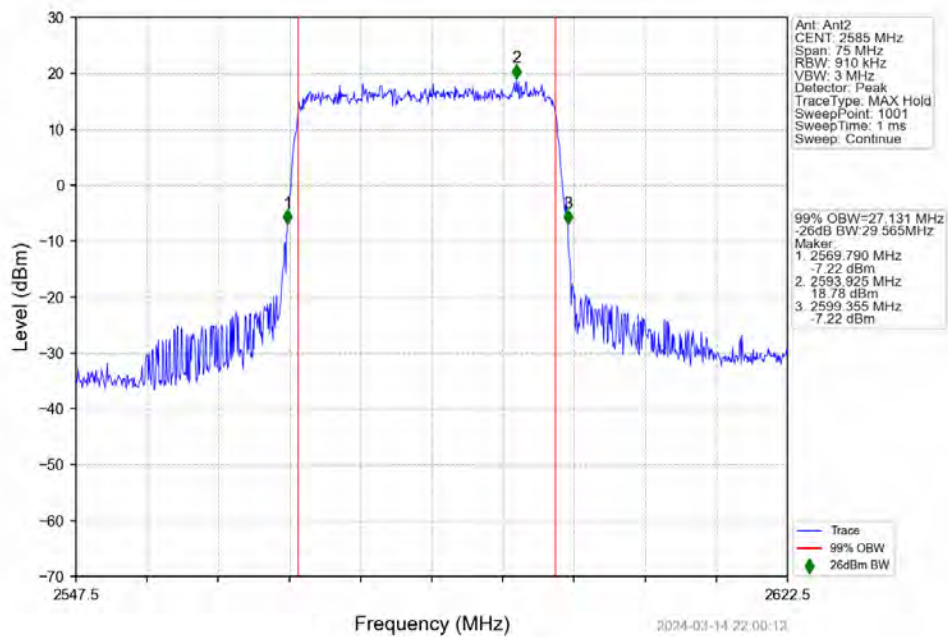
3.2.2 Test Graph



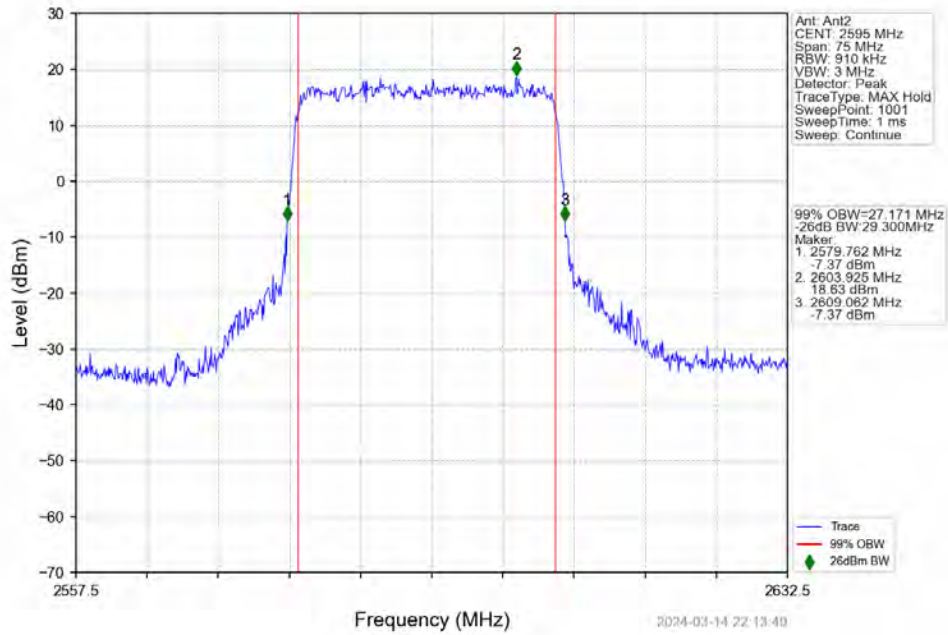
n38 30kHz SISO NTV 30MHz DFT-s-OFDM PI/2 BPSK 2605MHz Outer Full



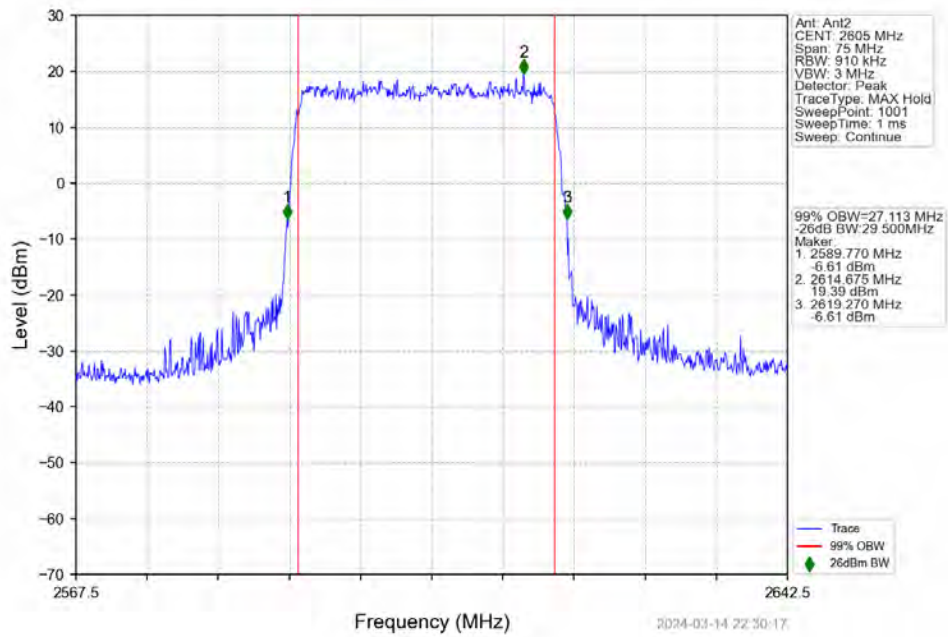
n38 30kHz SISO NTV 30MHz DFT-s-OFDM QPSK 2585MHz Outer Full



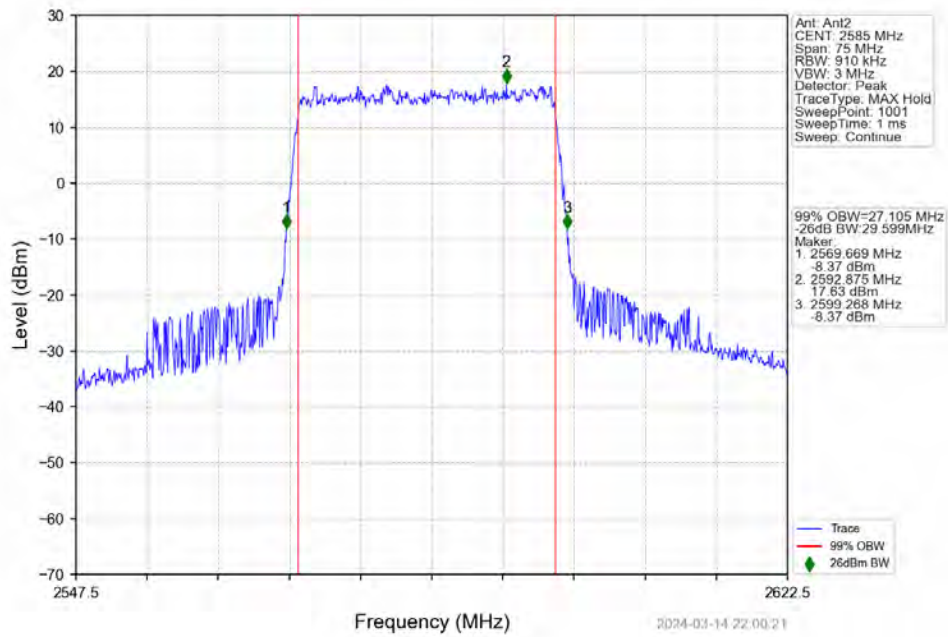
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2595MHz Outer Full



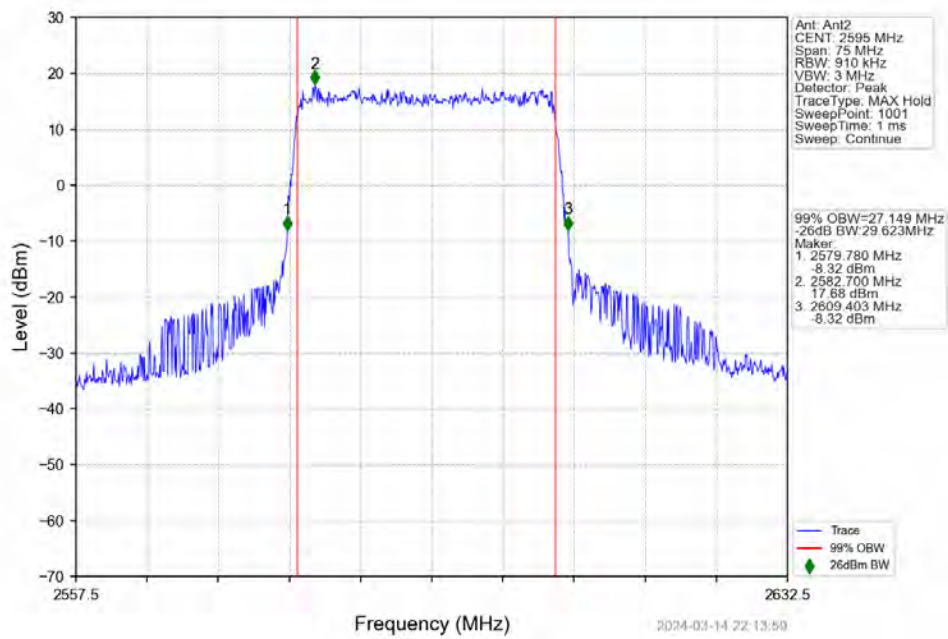
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2605MHz Outer Full



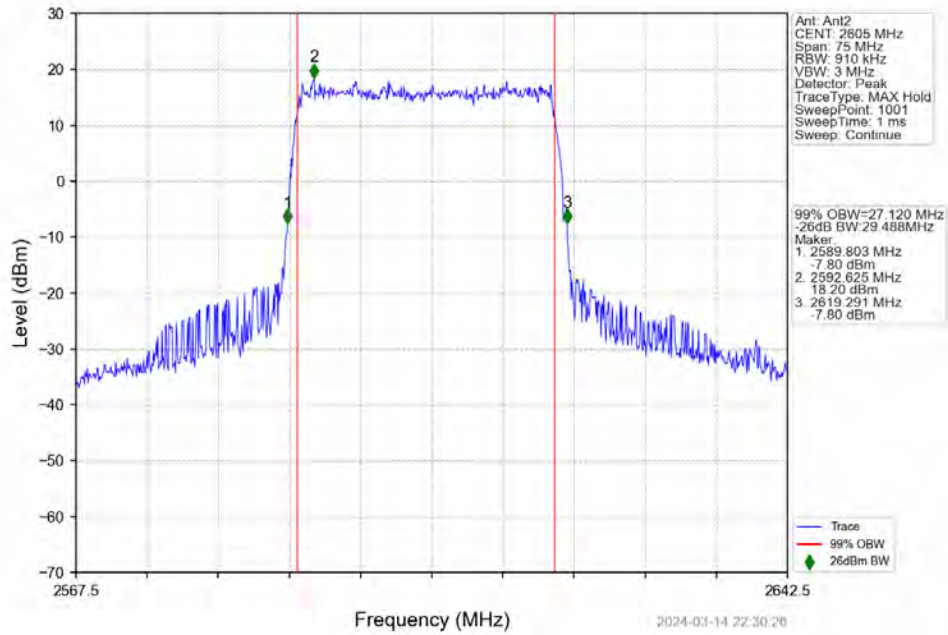
n38 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 2585MHz Outer Full



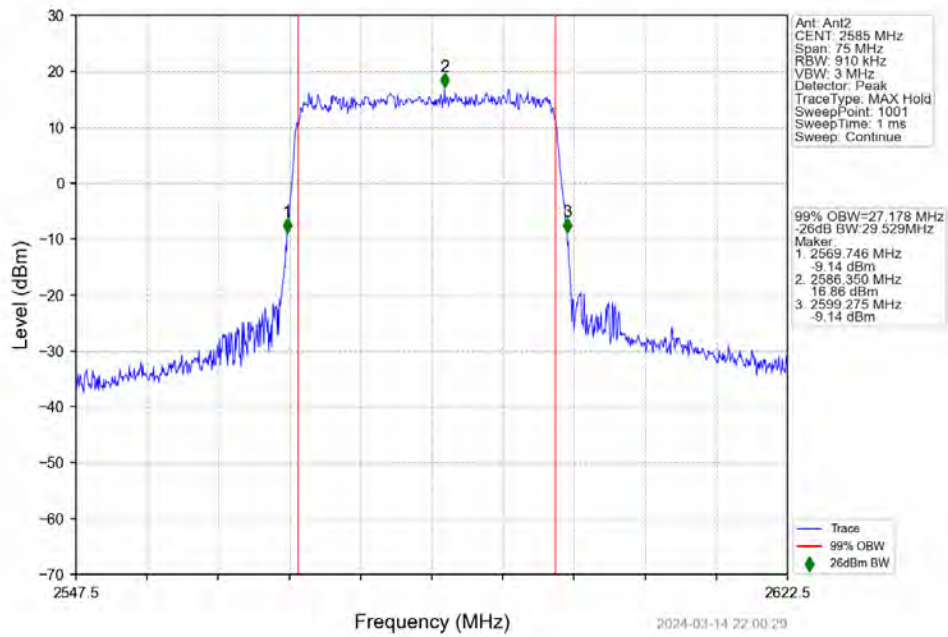
n38 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 2595MHz Outer Full



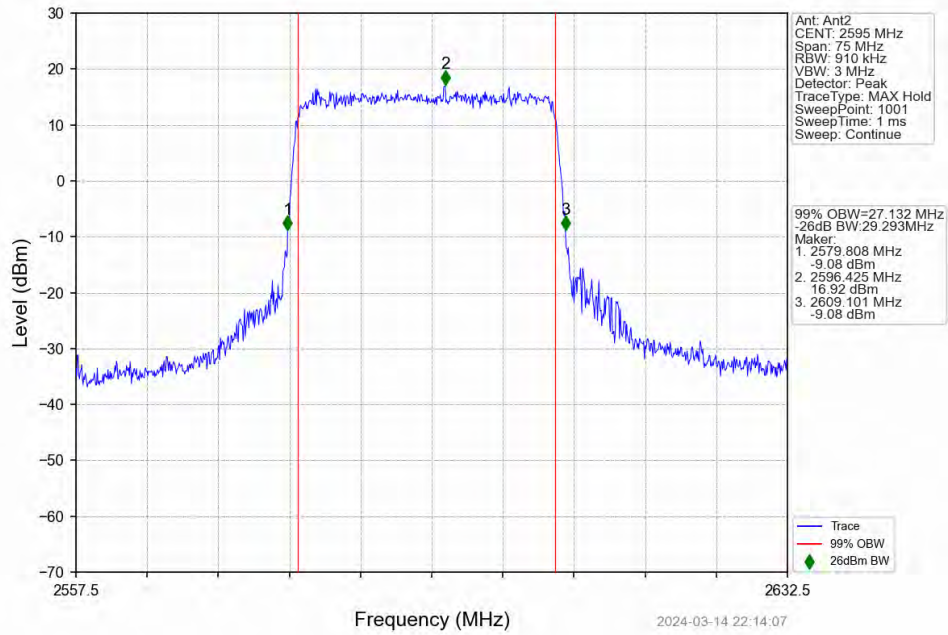
n38 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 2605MHz Outer Full



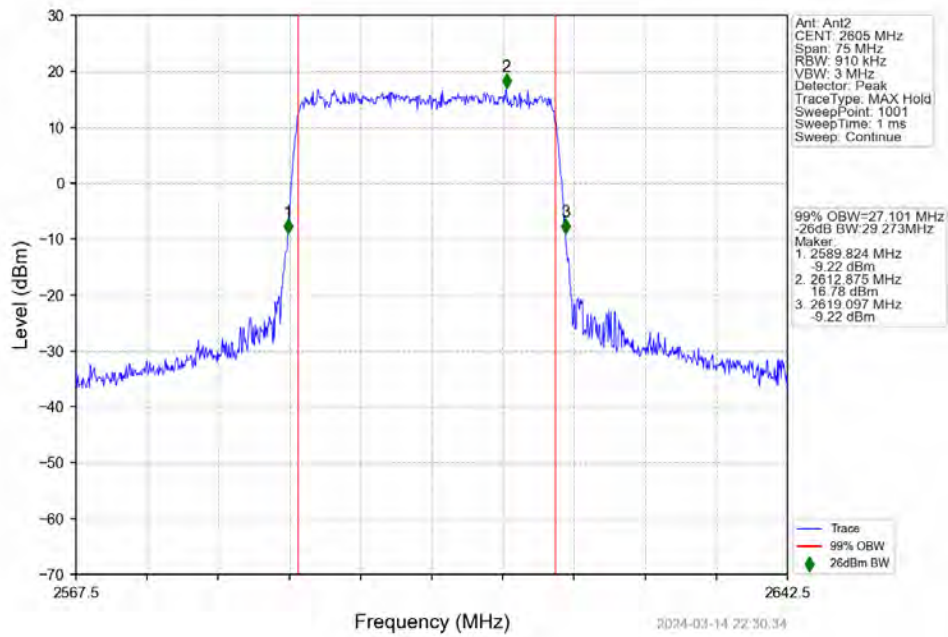
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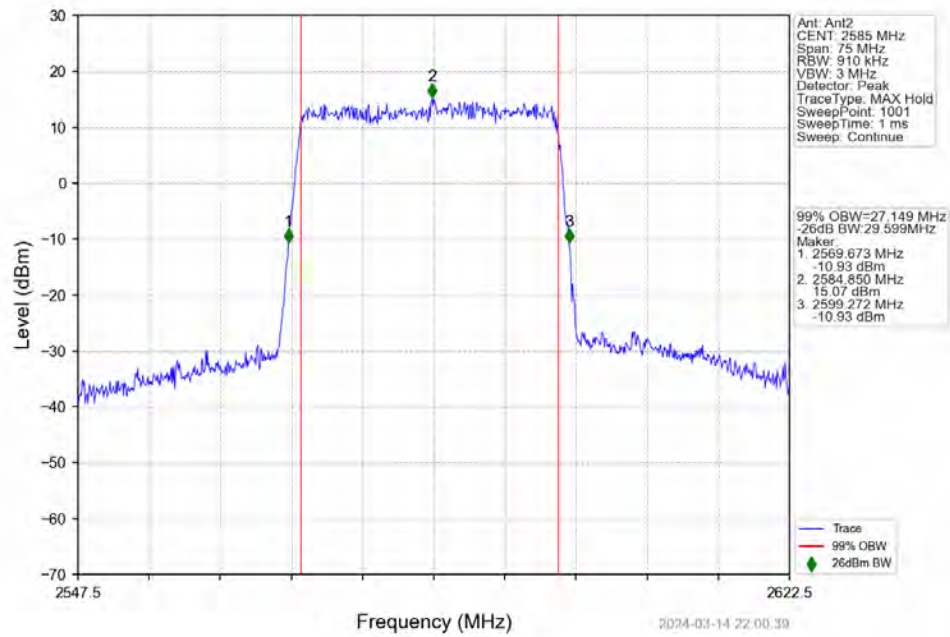
n38 30kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 2595MHz Outer Full



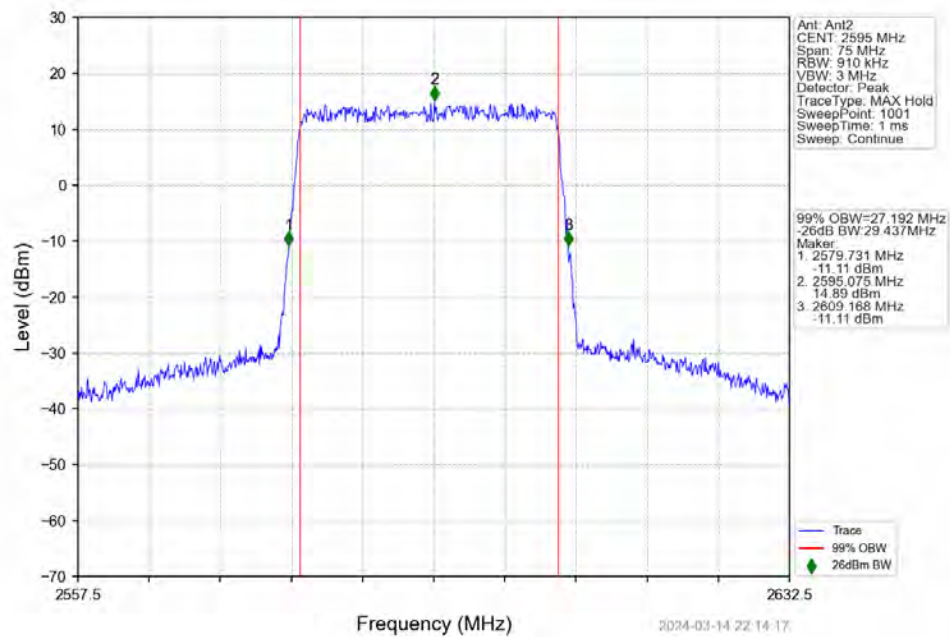
n38 30kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 2605MHz Outer Full



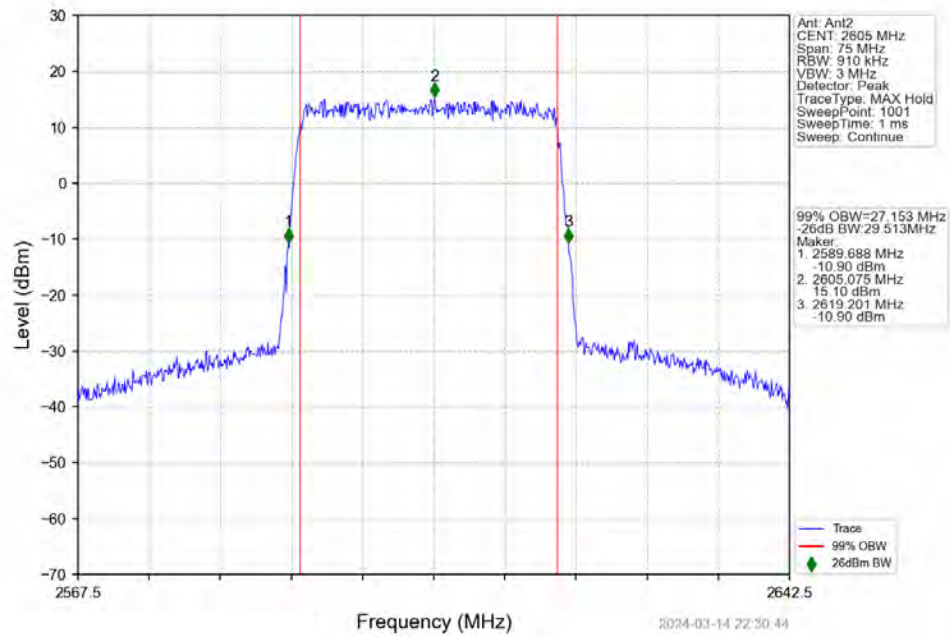
n38 30kHz SISO NTNv 30MHz DFT-s-OFDM 256 QAM 2585MHz Outer Full



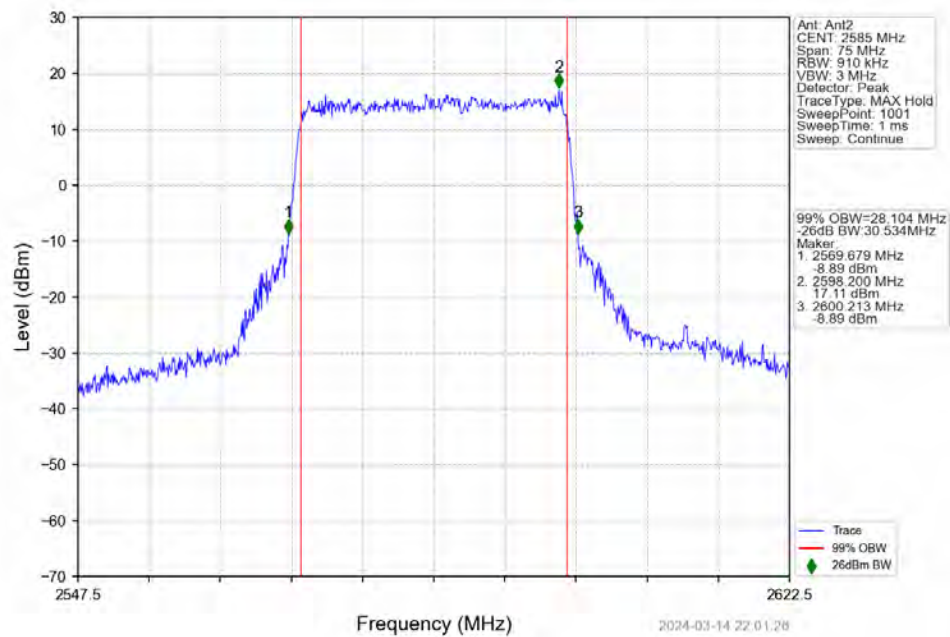
n38 30kHz SISO NTNv 30MHz DFT-s-OFDM 256 QAM 2595MHz Outer Full



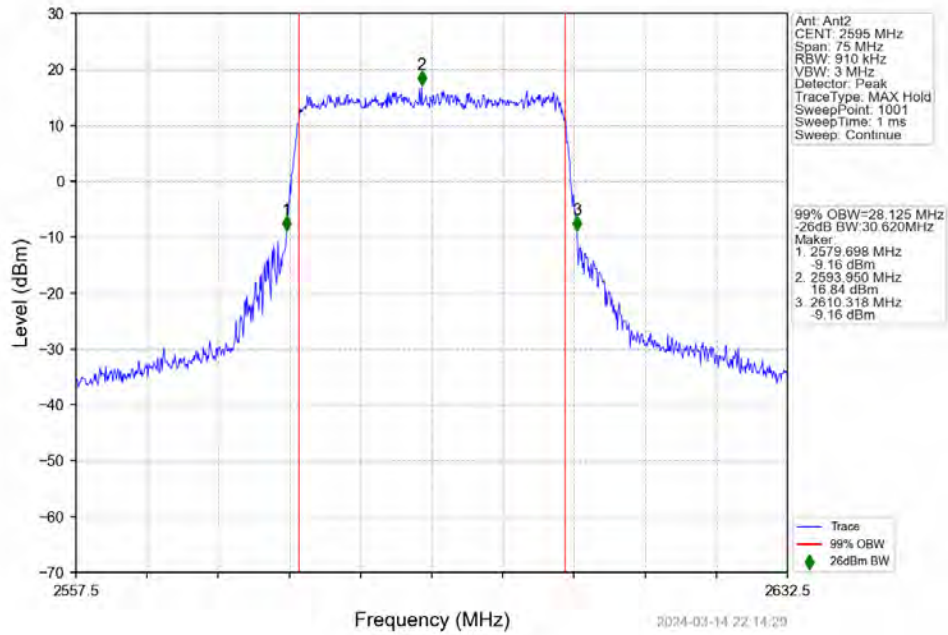
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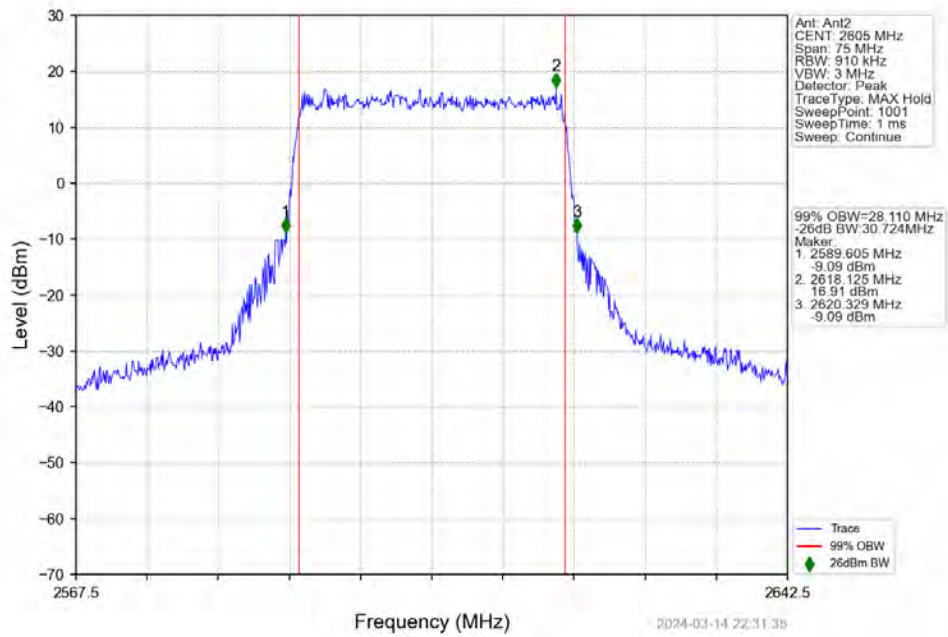
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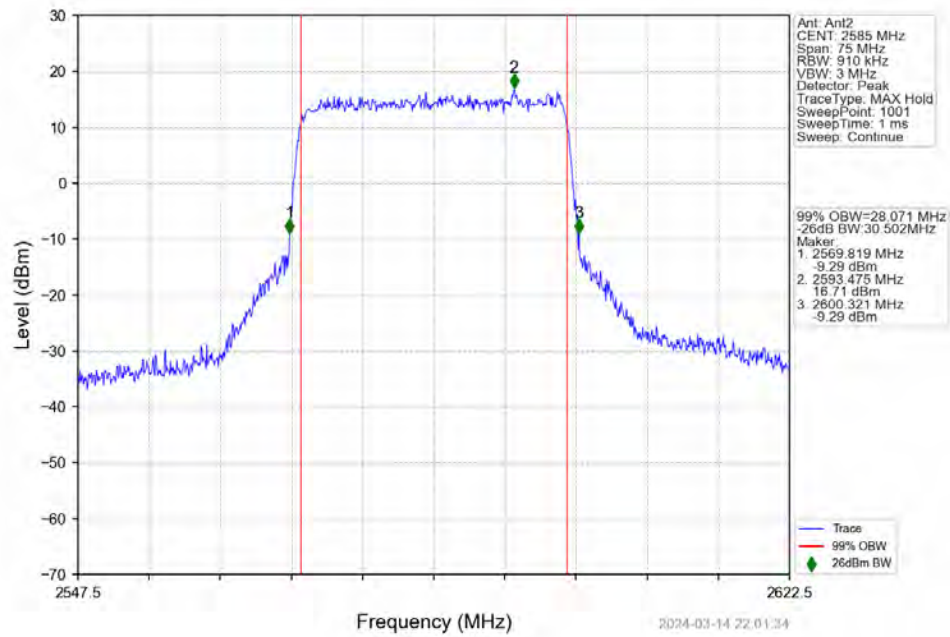
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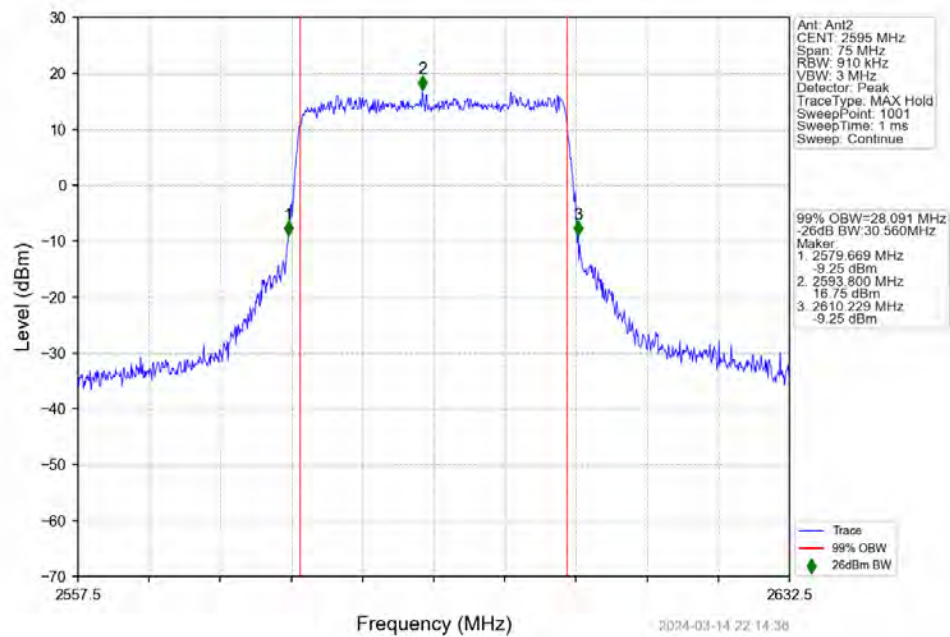
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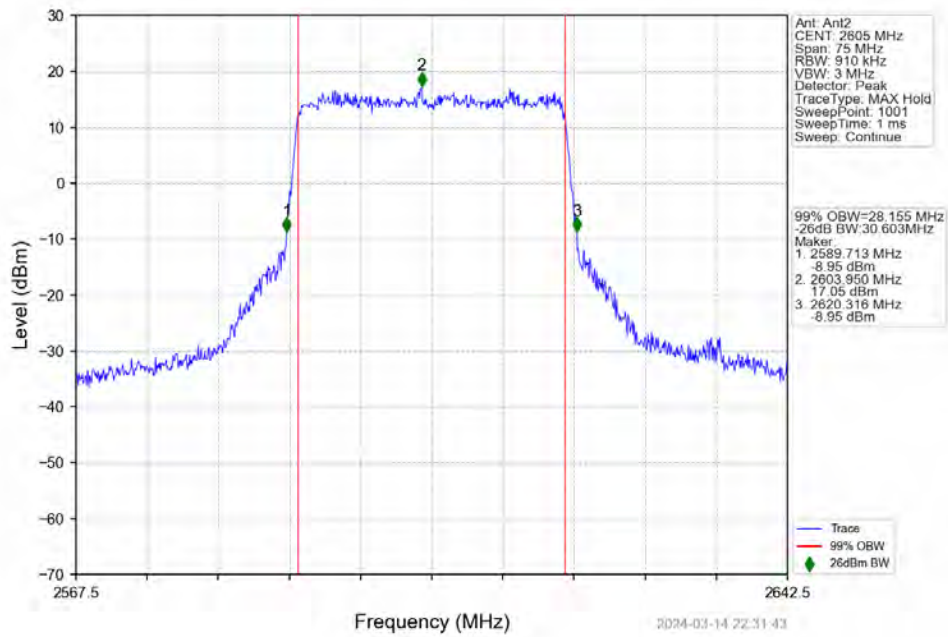
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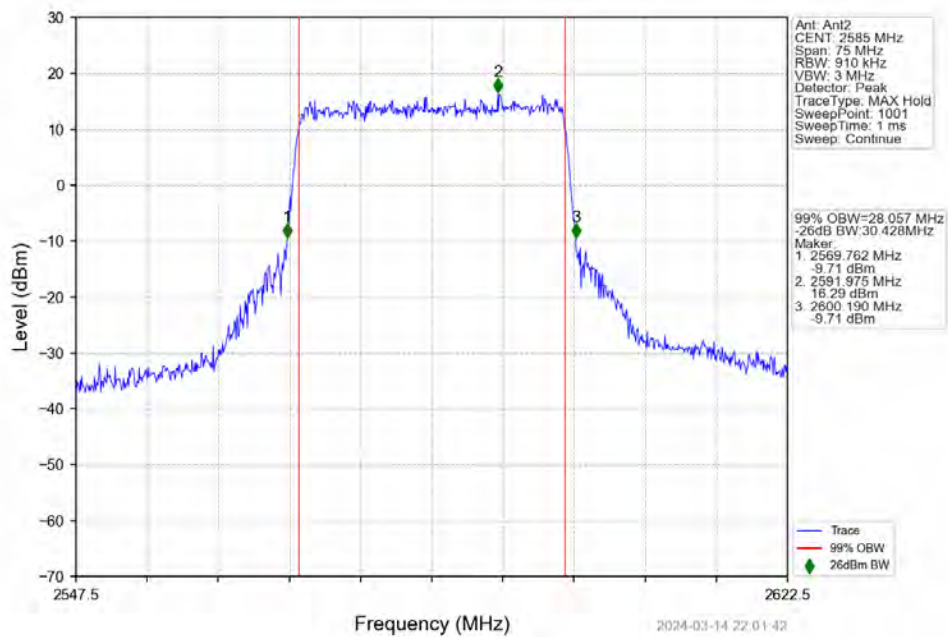
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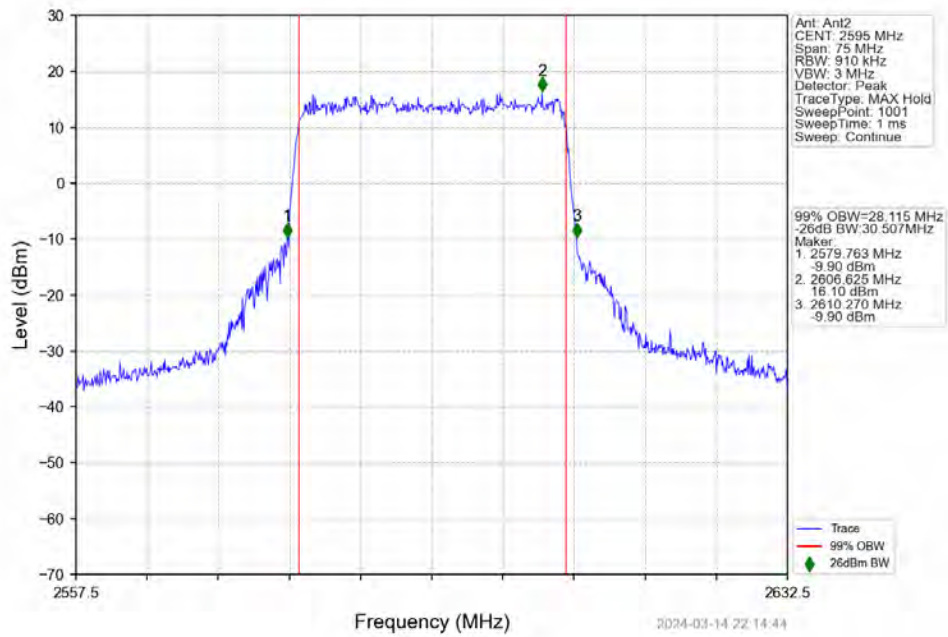
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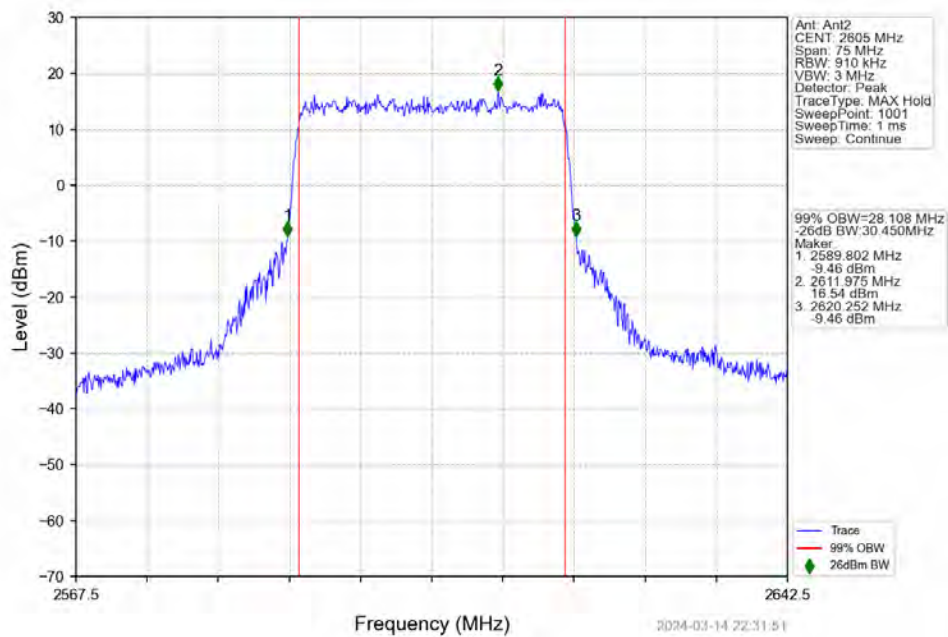
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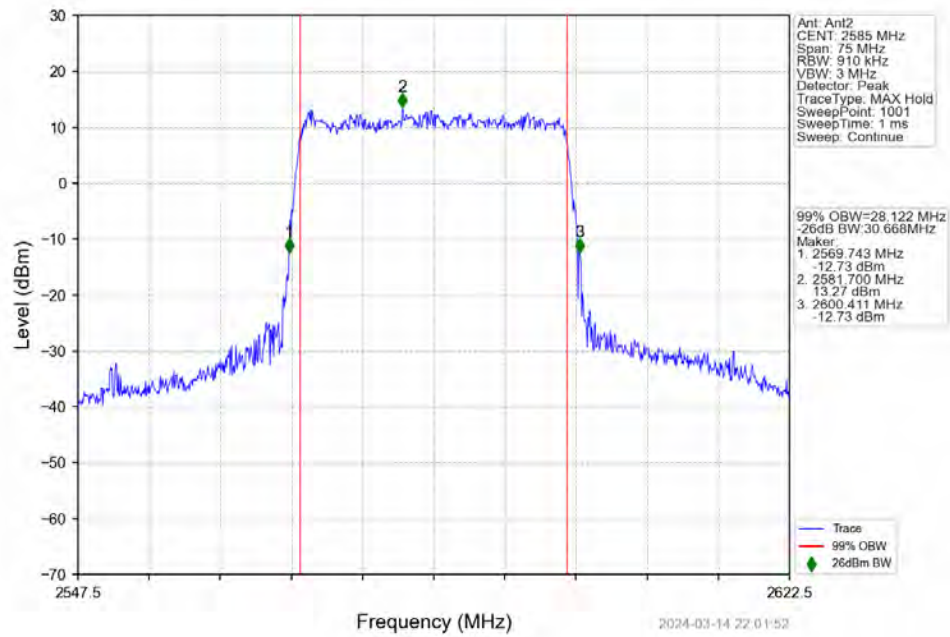
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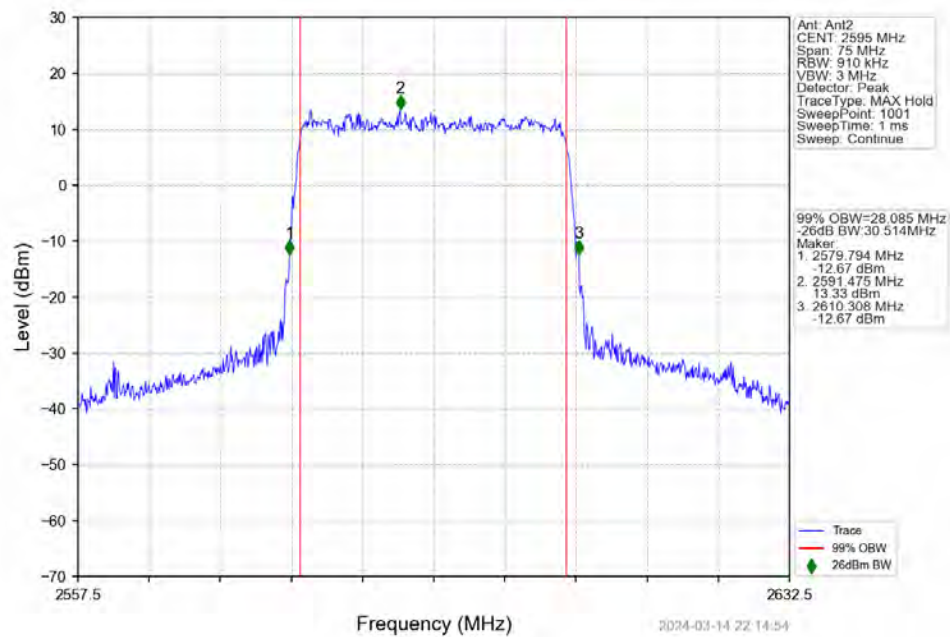
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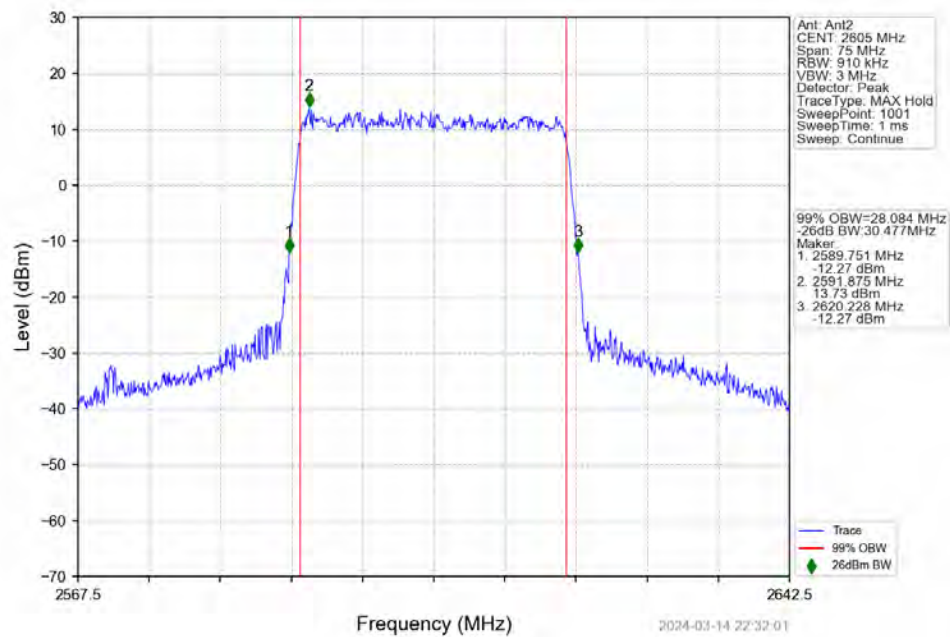


n38 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 2585MHz Outer Full



n38 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 2595MHz Outer Full



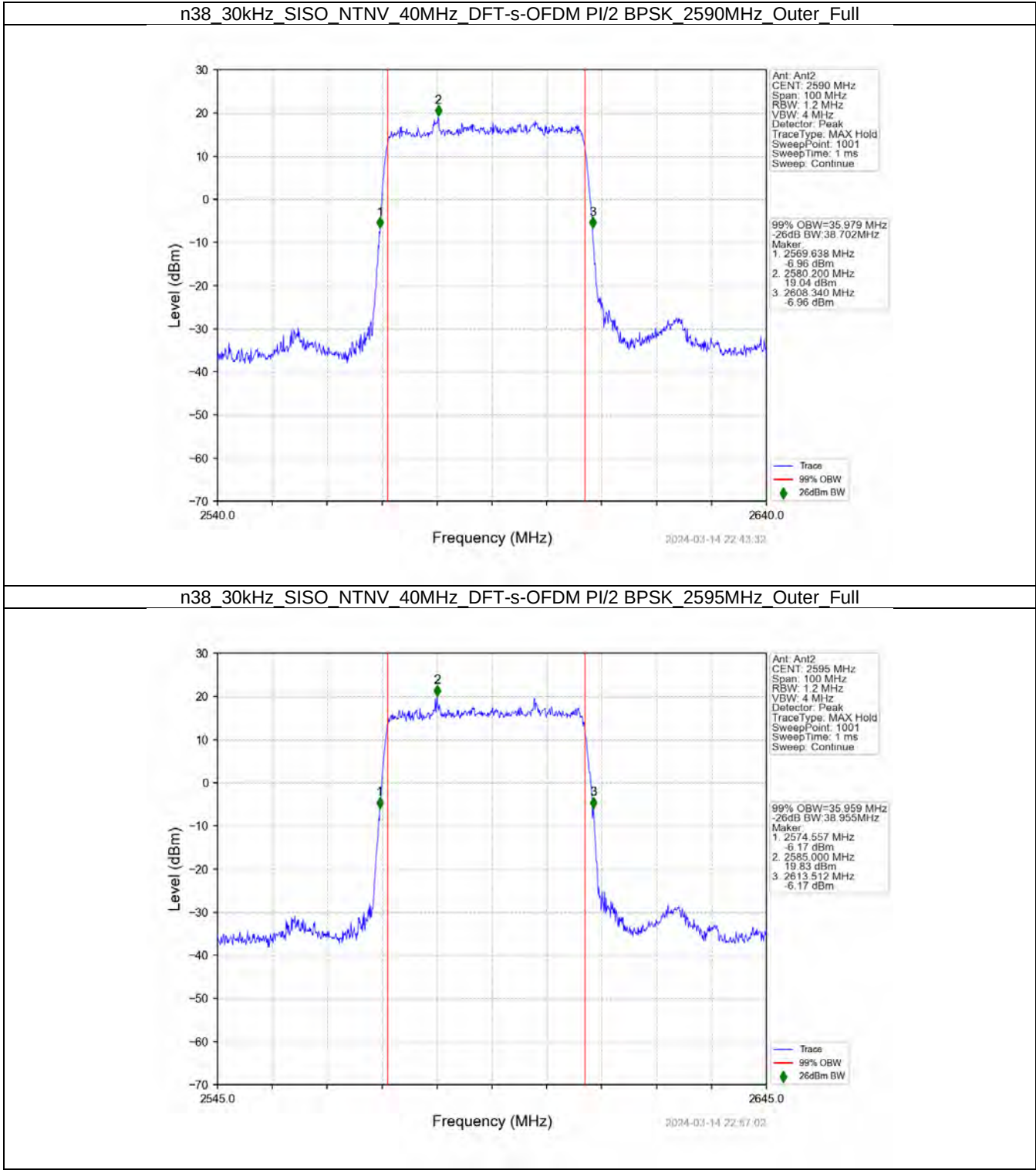


3.3 30k_SISO_40MHz_NTNV

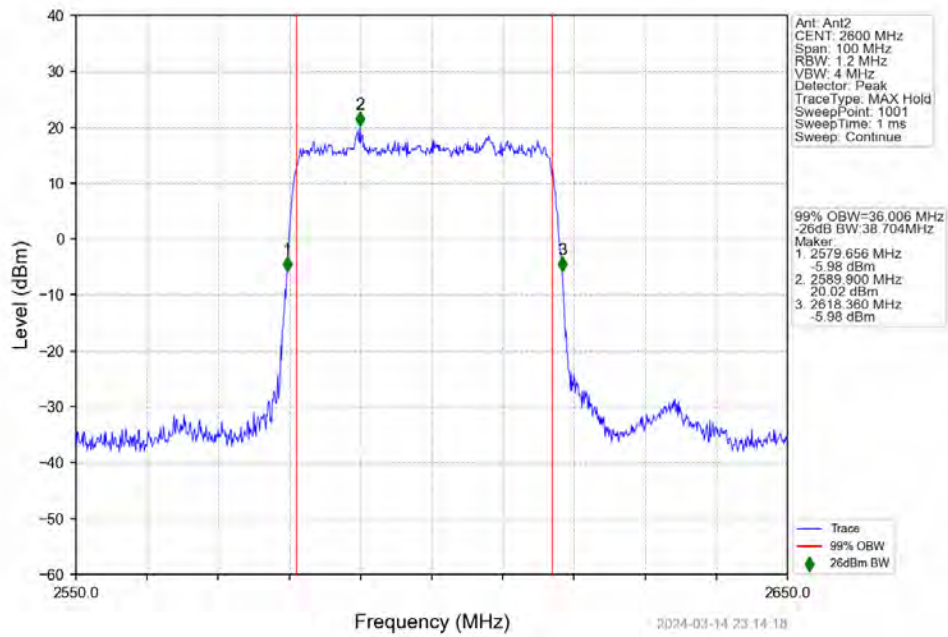
3.3.1 Test Result

5G NR n38 SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2590	Outer_Full	35.98	38.70	/	Pass
	2595	Outer_Full	35.96	38.95	/	Pass
	2600	Outer_Full	36.01	38.70	/	Pass
DFT-s-OFDM QPSK	2590	Outer_Full	35.95	38.98	/	Pass
	2595	Outer_Full	35.99	38.96	/	Pass
	2600	Outer_Full	35.96	38.79	/	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	35.97	38.88	/	Pass
	2595	Outer_Full	36.03	38.95	/	Pass
	2600	Outer_Full	36.04	38.90	/	Pass
DFT-s-OFDM 64 QAM	2590	Outer_Full	35.98	38.72	/	Pass
	2595	Outer_Full	35.97	38.82	/	Pass
	2600	Outer_Full	36.01	38.85	/	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	36.05	38.79	/	Pass
	2595	Outer_Full	36.03	38.82	/	Pass
	2600	Outer_Full	36.06	38.78	/	Pass
CP-OFDM QPSK	2590	Outer_Full	37.99	40.84	/	Pass
	2595	Outer_Full	38.01	41.01	/	Pass
	2600	Outer_Full	38.14	41.08	/	Pass
CP-OFDM 16 QAM	2590	Outer_Full	38.06	41.01	/	Pass
	2595	Outer_Full	38.12	41.24	/	Pass
	2600	Outer_Full	38.09	41.13	/	Pass
CP-OFDM 64 QAM	2590	Outer_Full	38.12	40.90	/	Pass
	2595	Outer_Full	38.15	40.97	/	Pass
	2600	Outer_Full	38.11	40.96	/	Pass
CP-OFDM 256 QAM	2590	Outer_Full	38.22	40.94	/	Pass
	2595	Outer_Full	38.26	40.97	/	Pass
	2600	Outer_Full	38.15	40.95	/	Pass

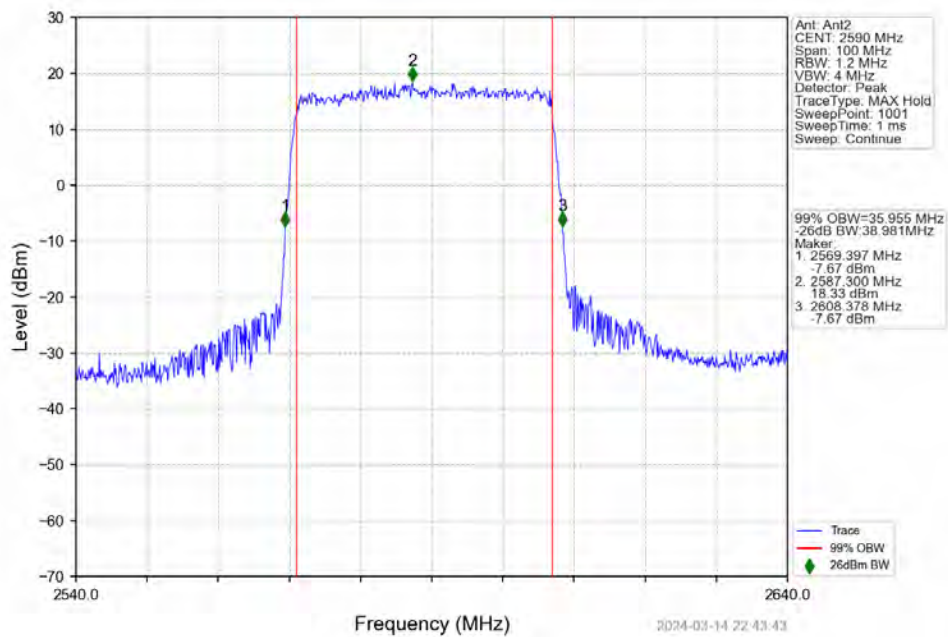
3.3.2 Test Graph



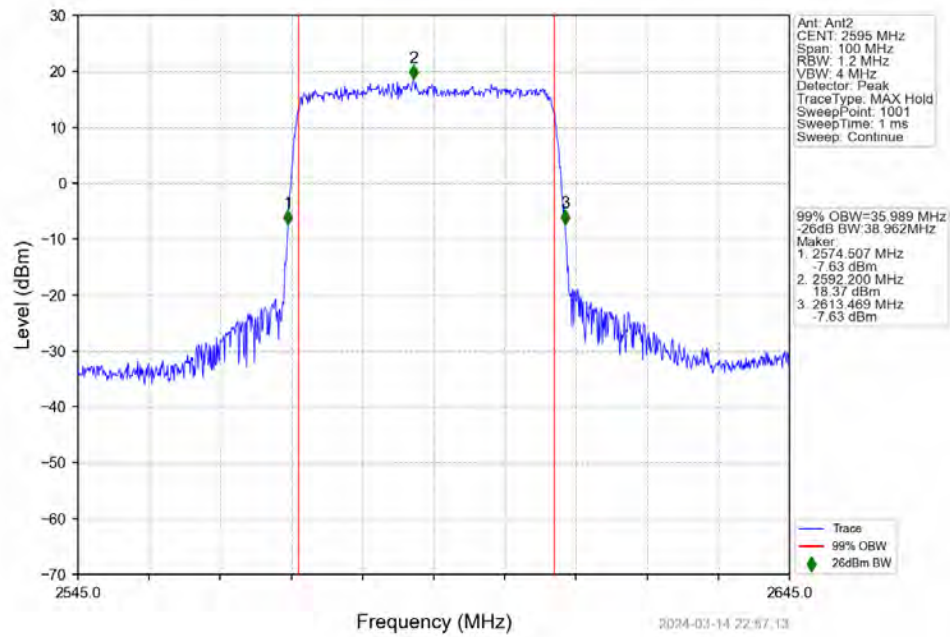
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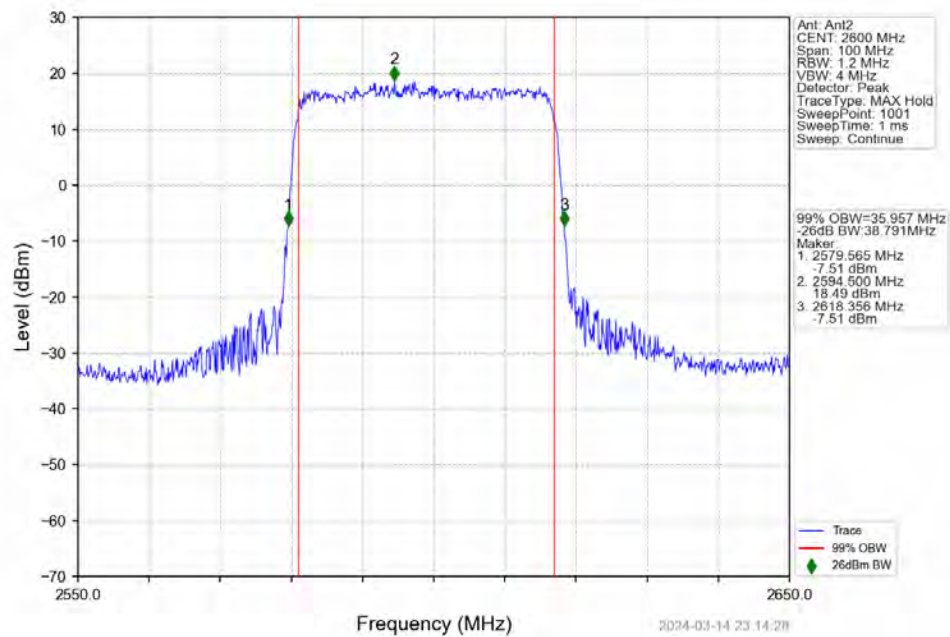
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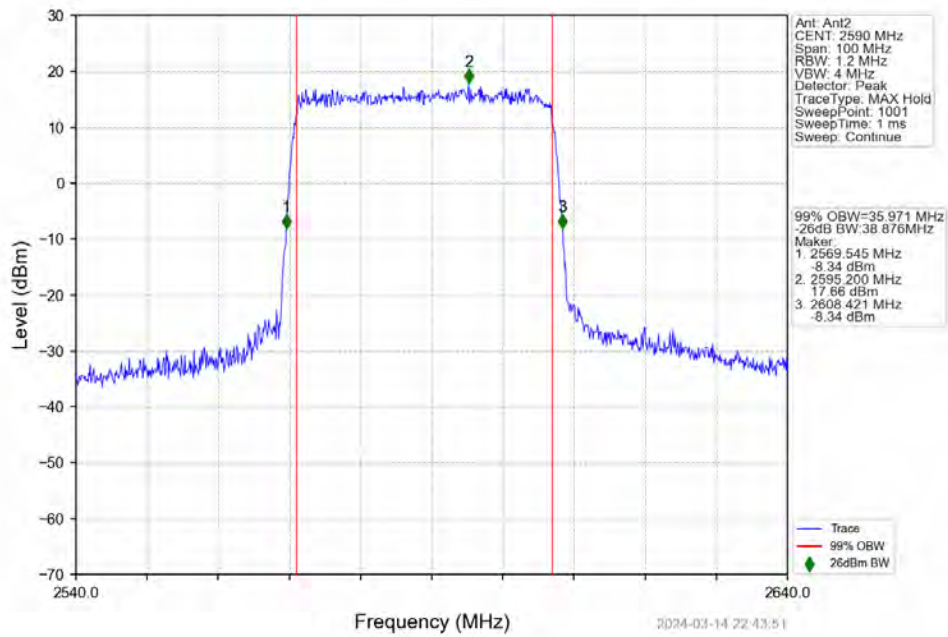
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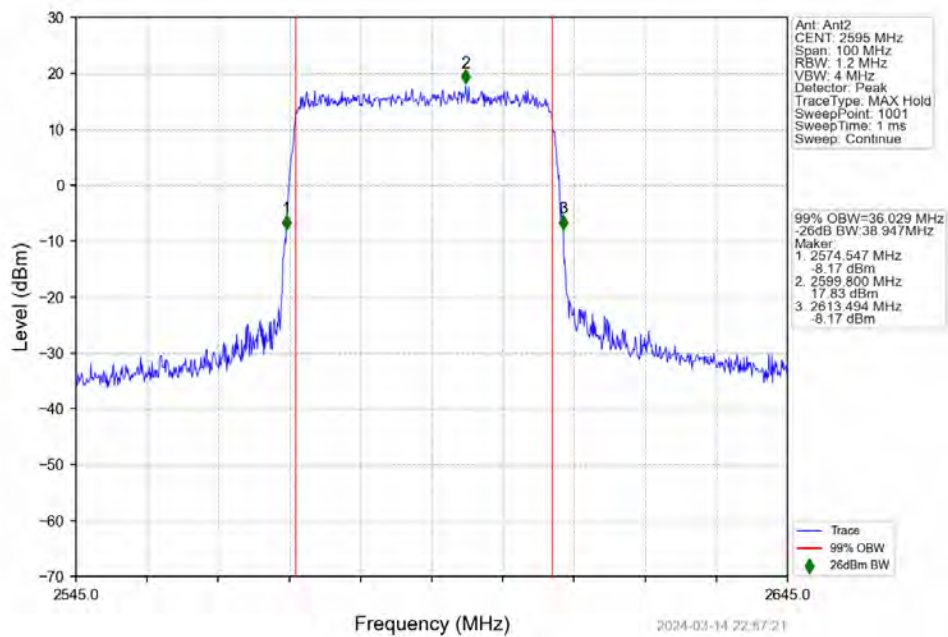
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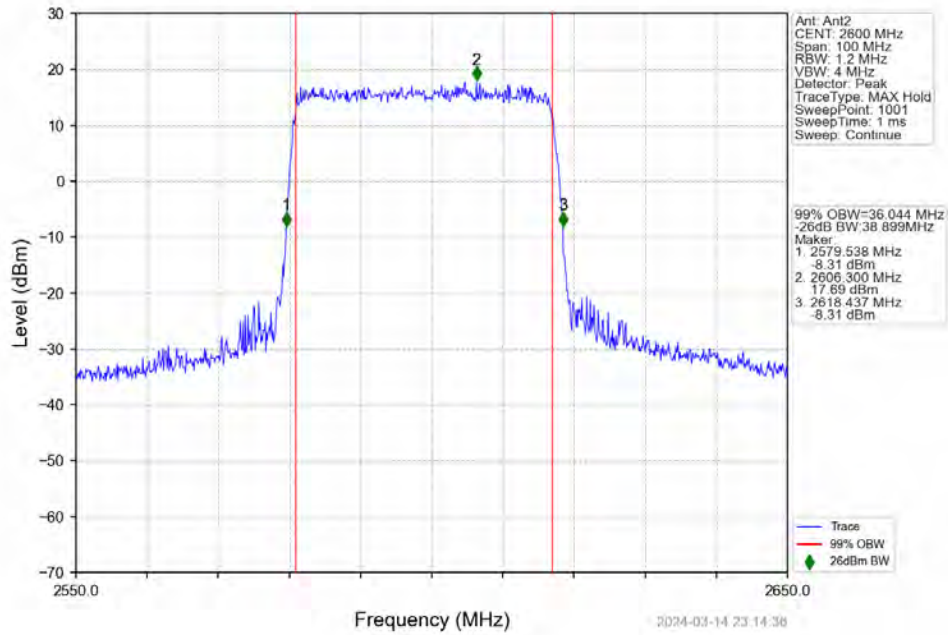
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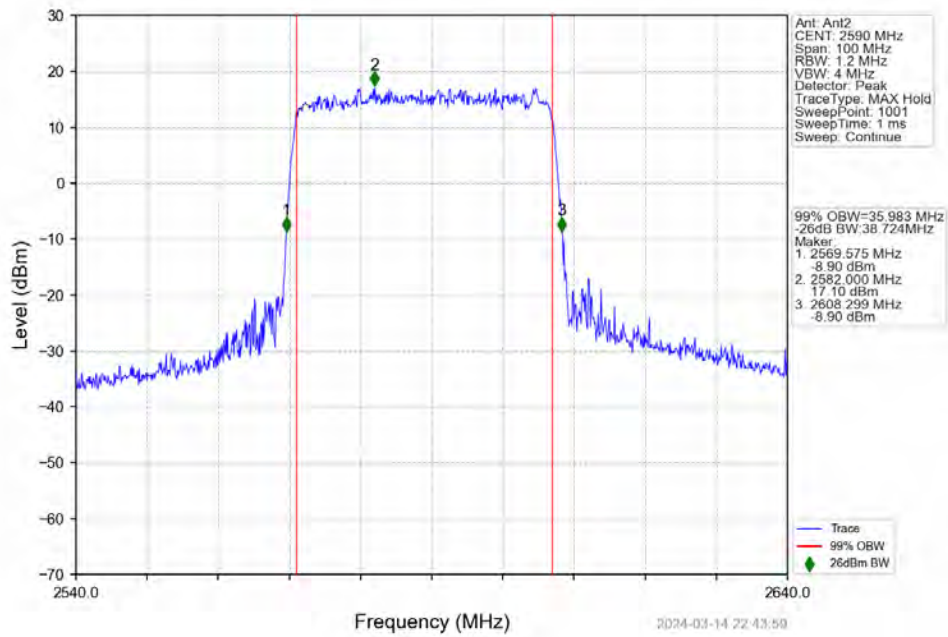
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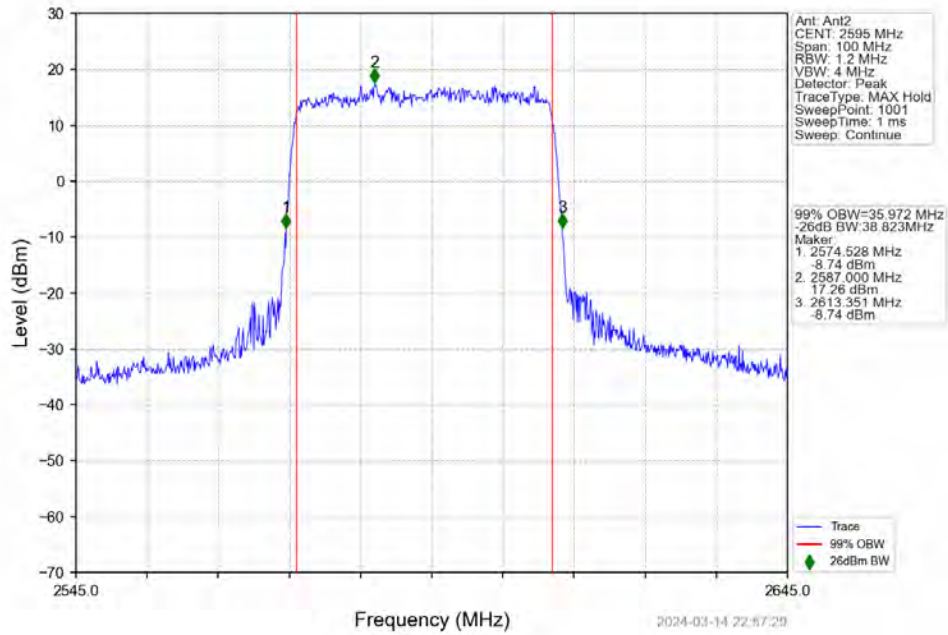
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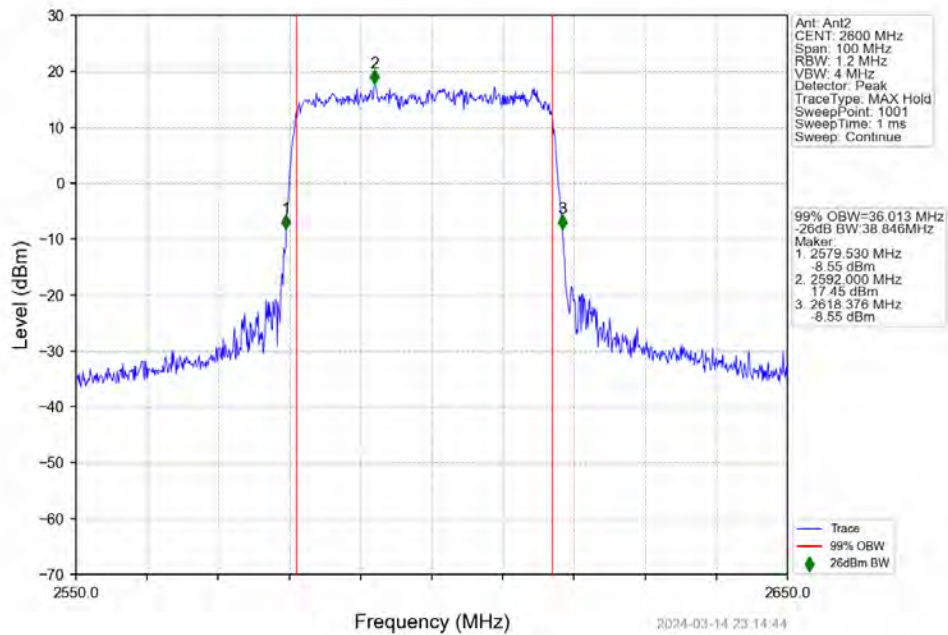
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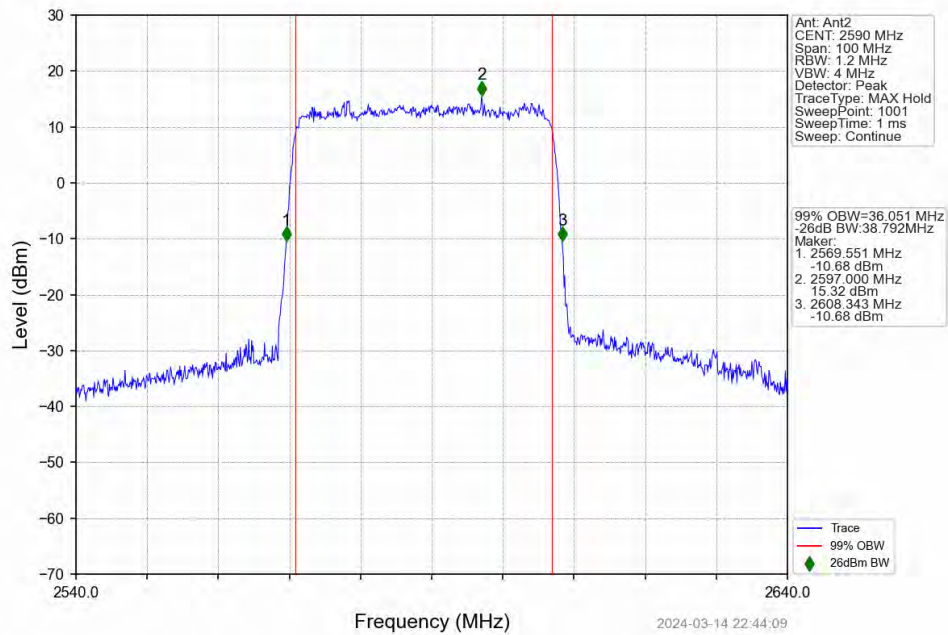
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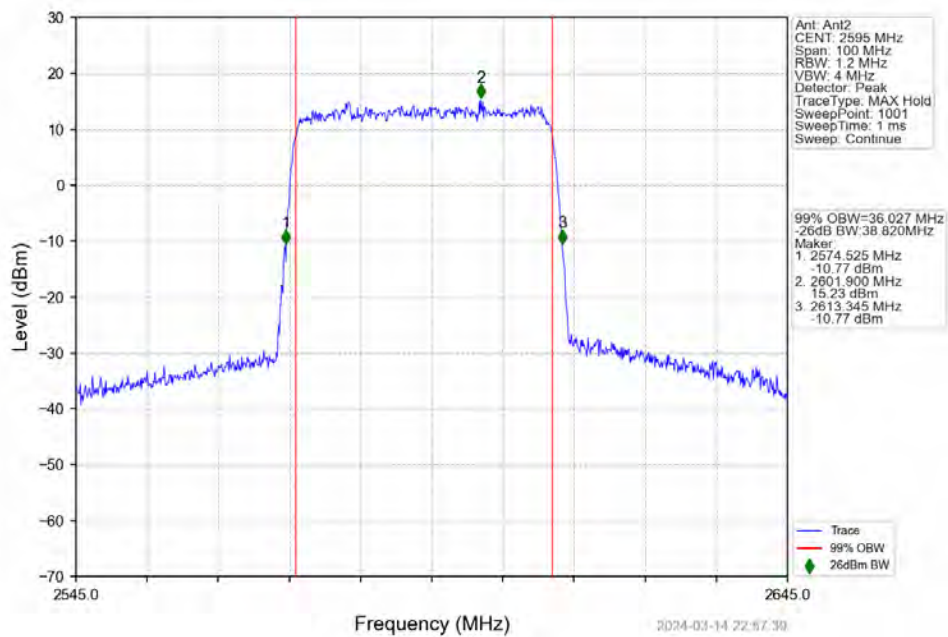
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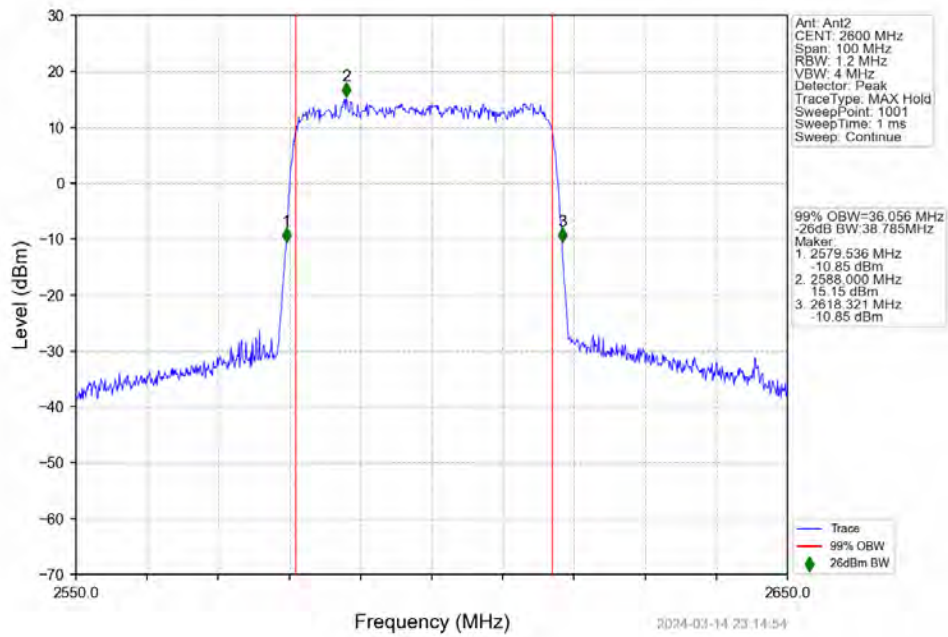
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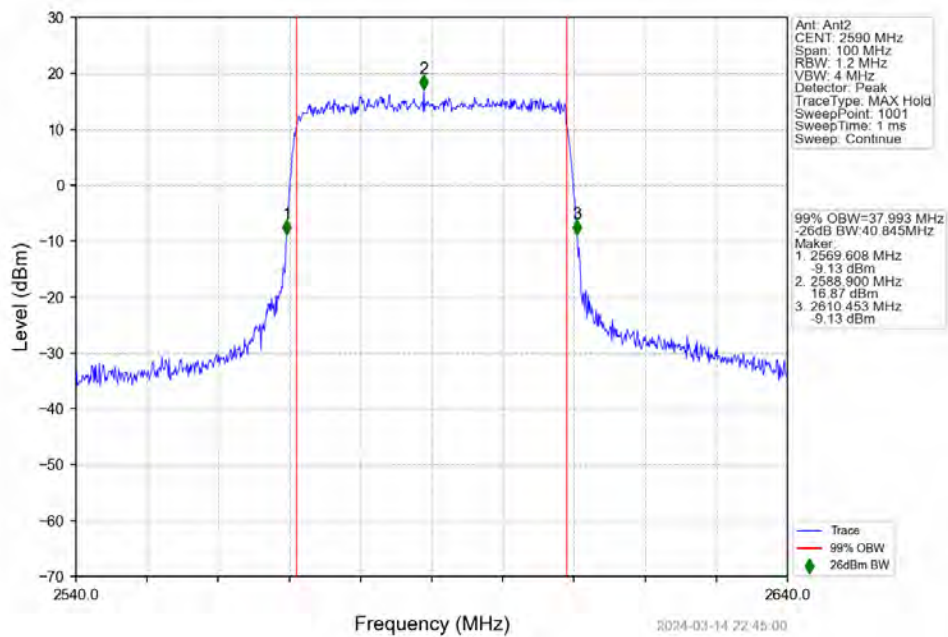
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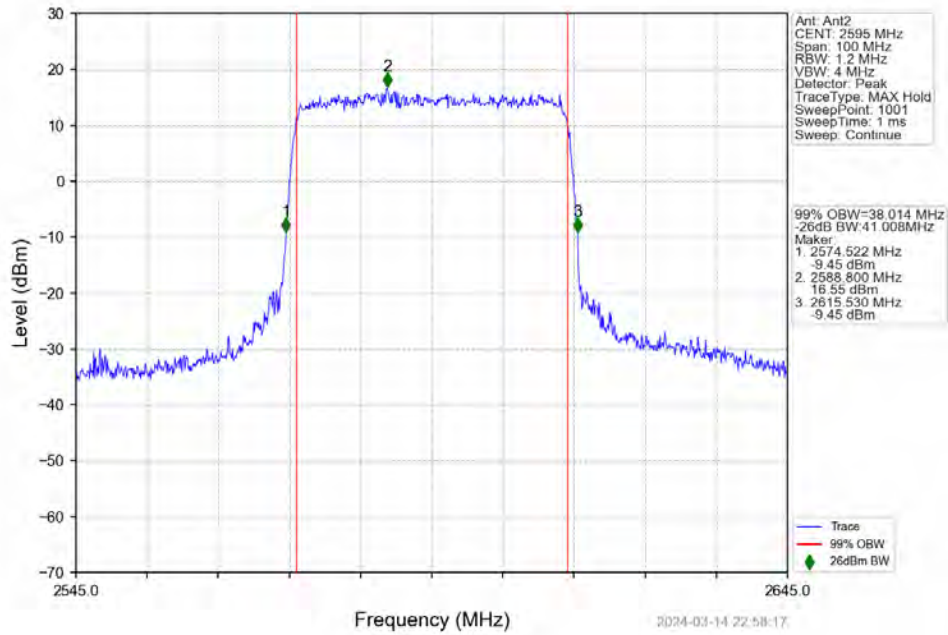
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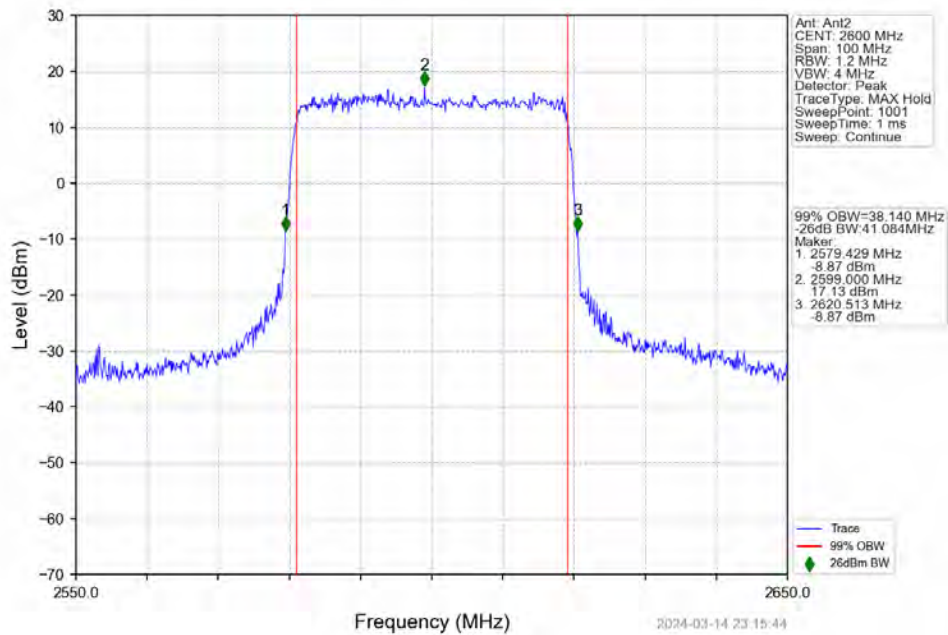
n38 30kHz SISO NTN 40MHz CP-OFDM QPSK 2590MHz Outer Full



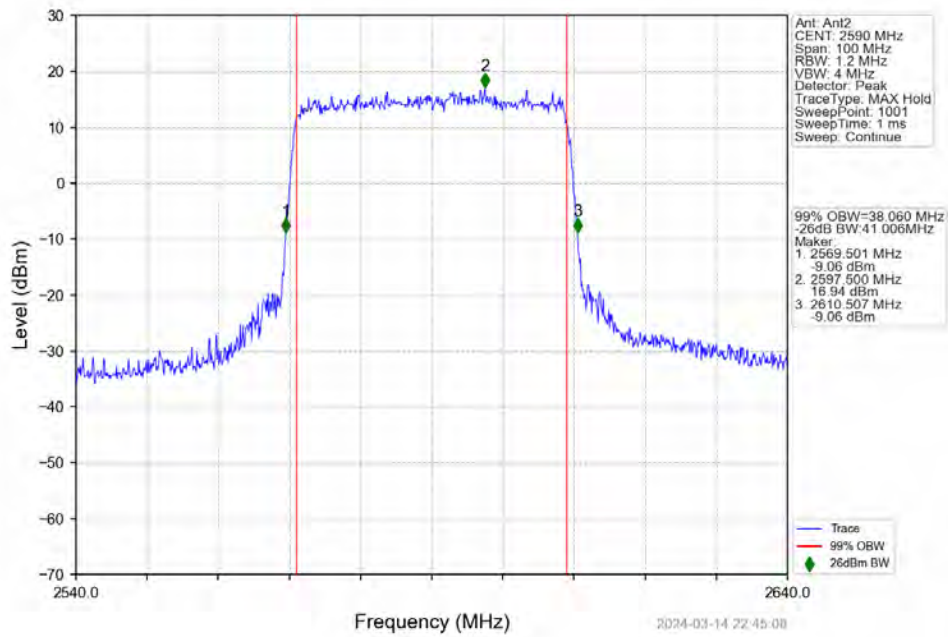
n38_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_2595MHz_Outer_Full



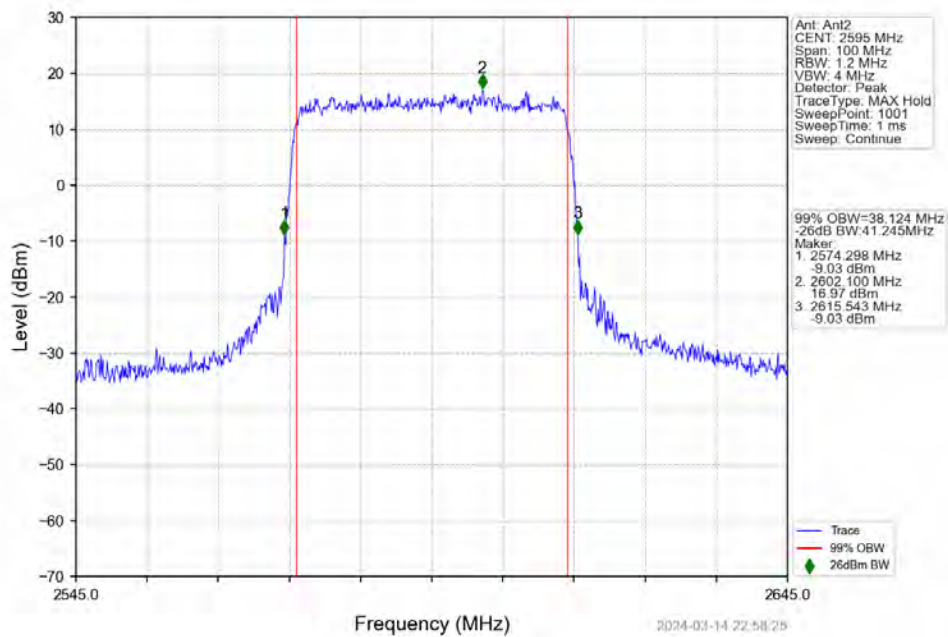
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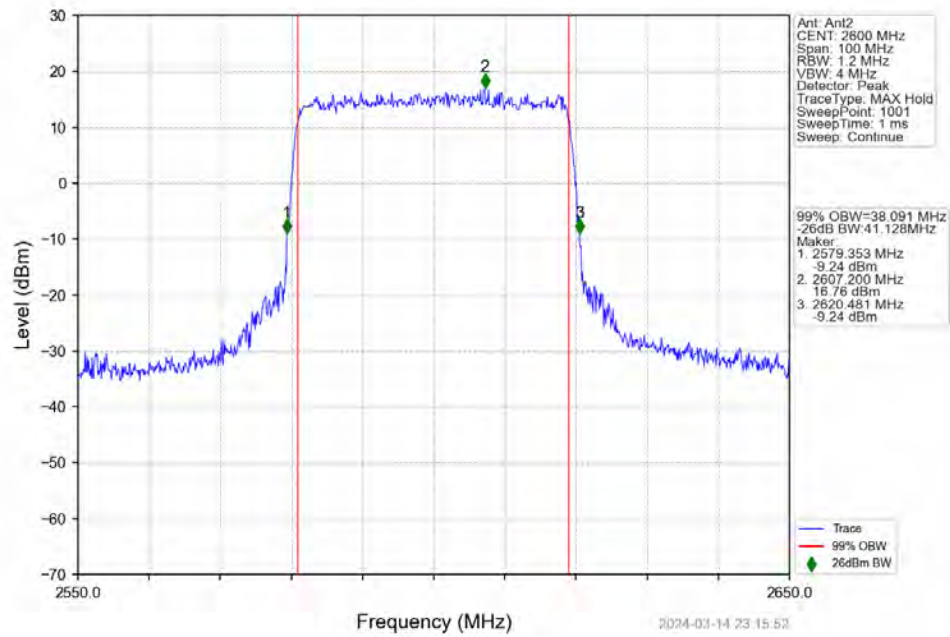
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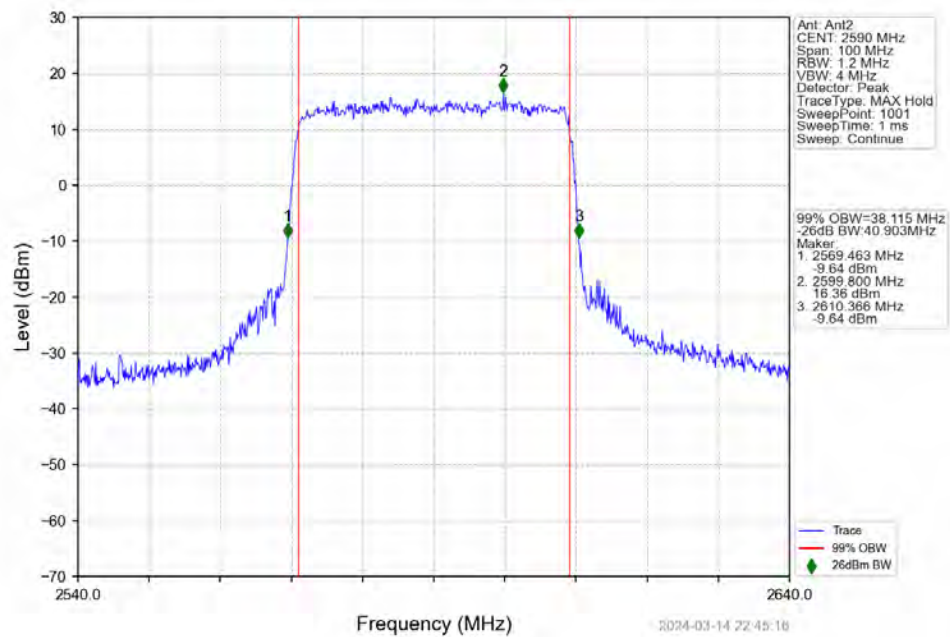
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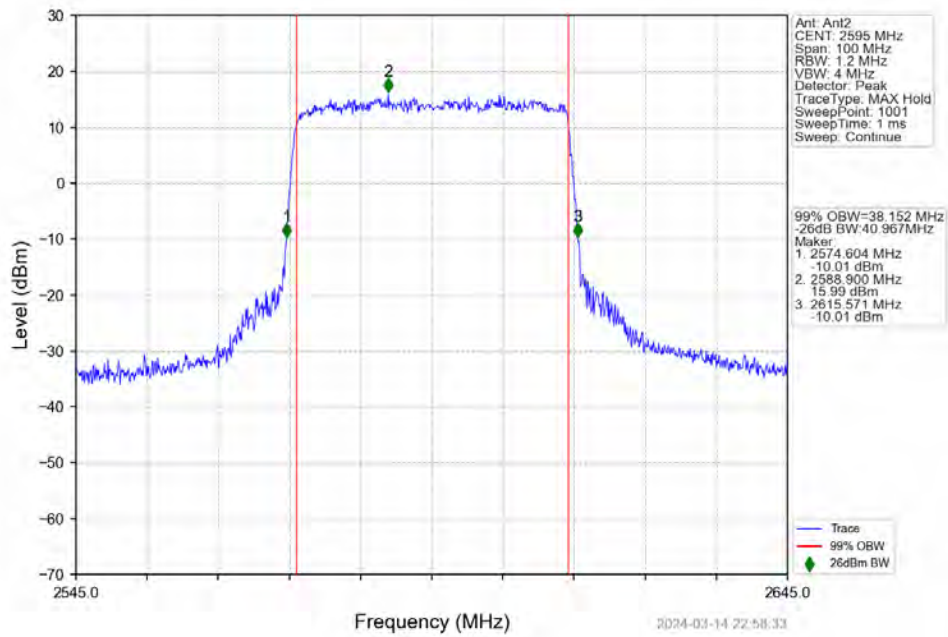
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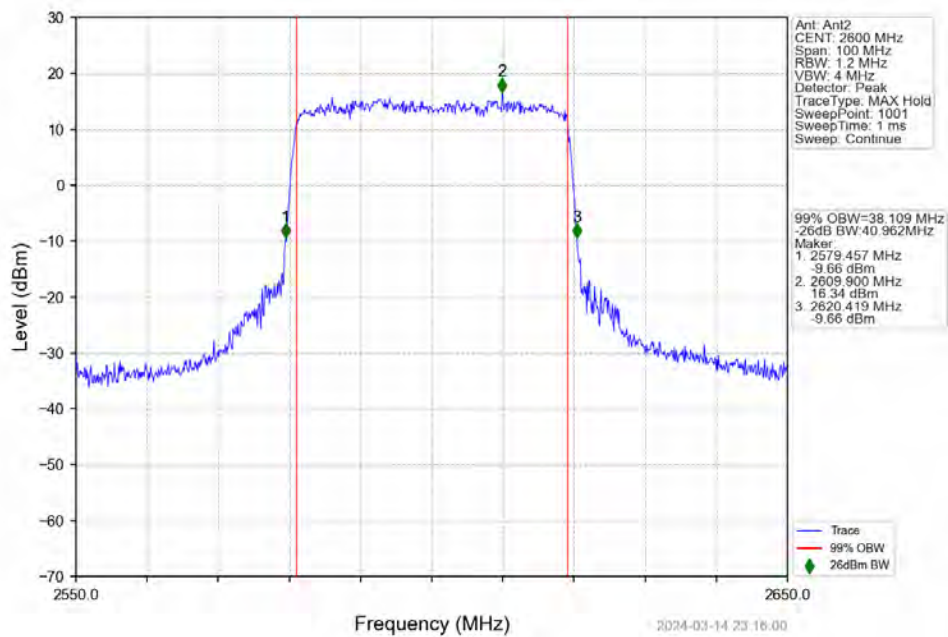
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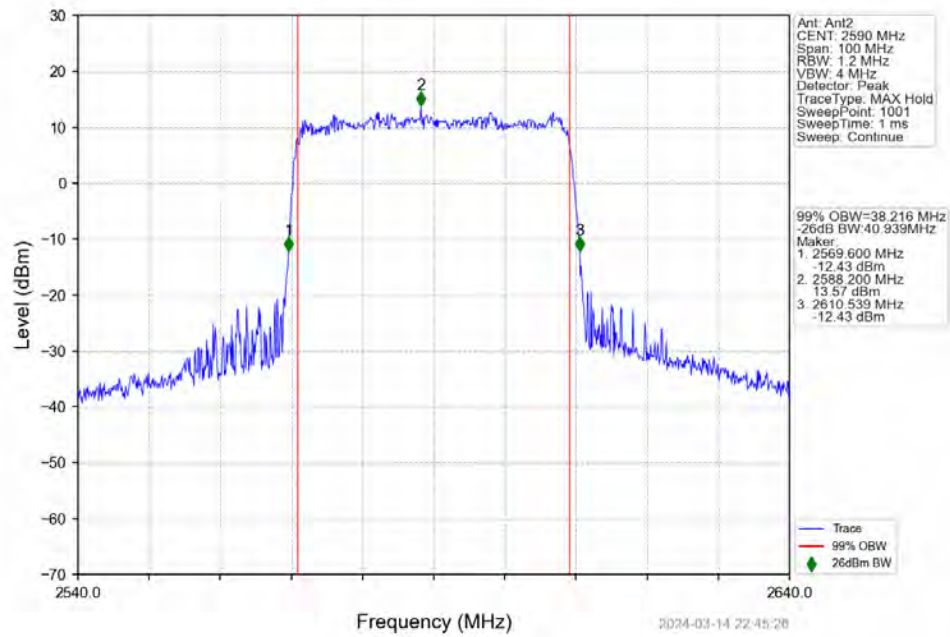
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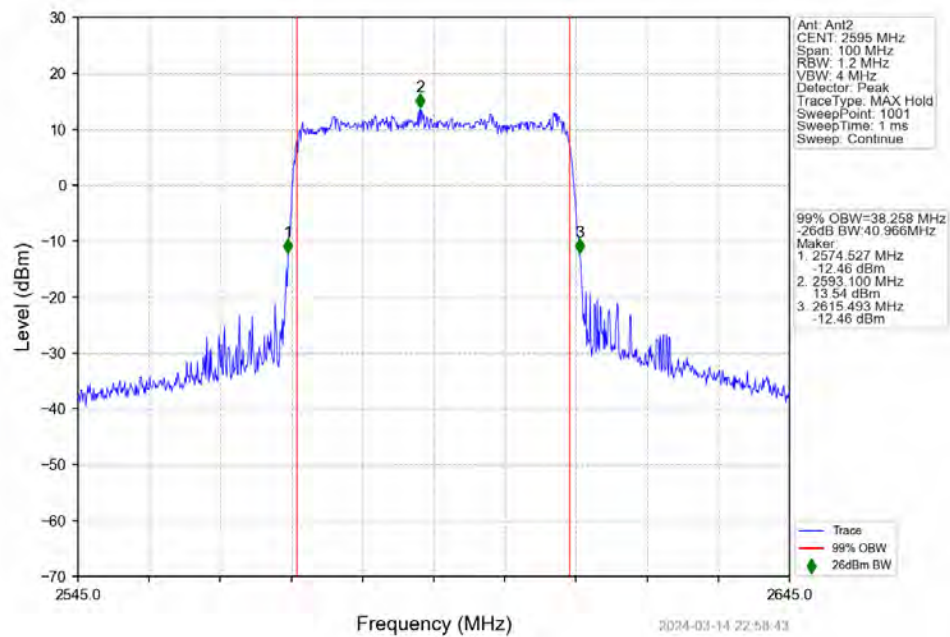
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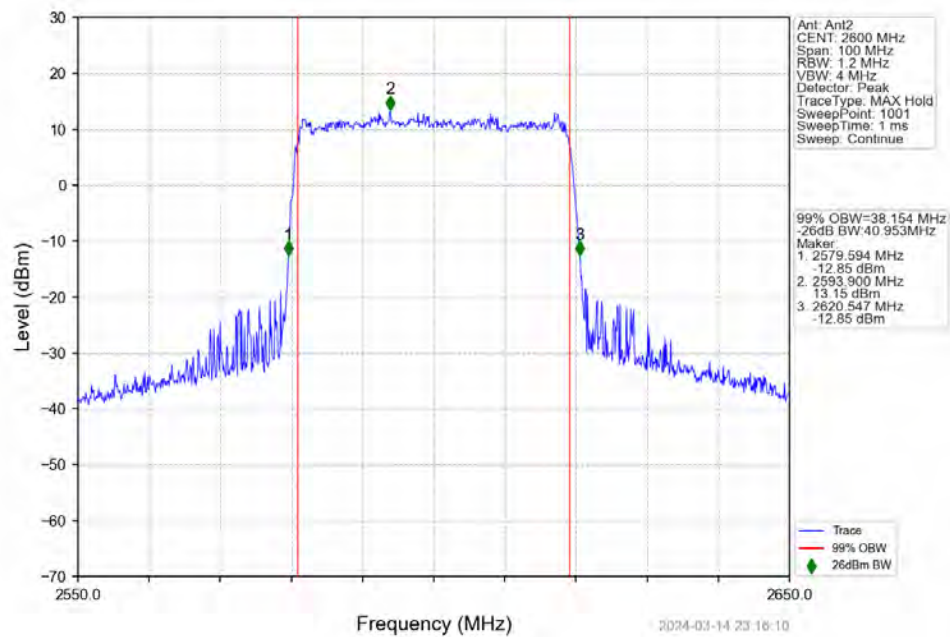


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n38 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 2595MHz Outer Full





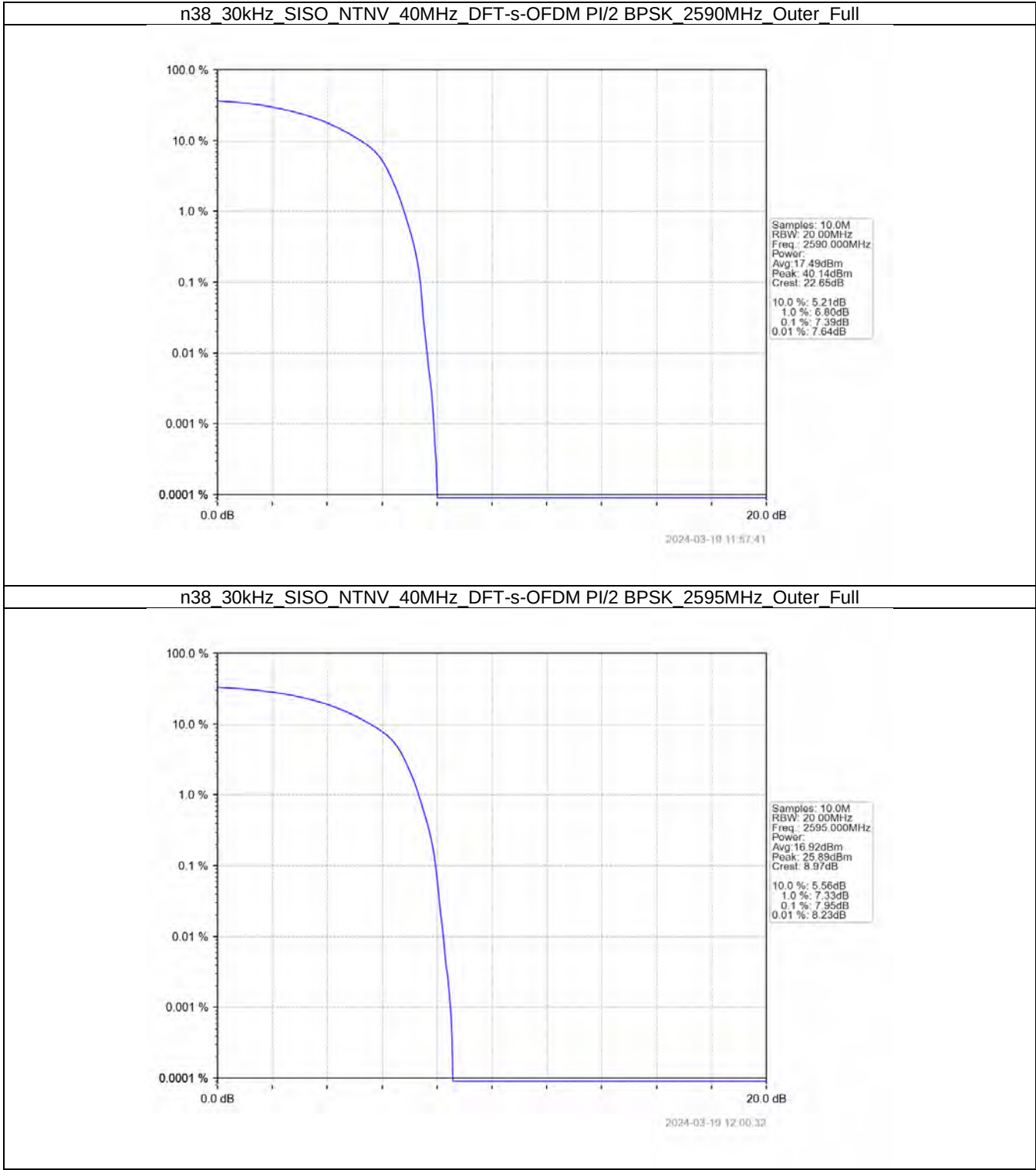
4. Peak-Average Ratio

4.1 30k_SISO_40MHz_NTNV

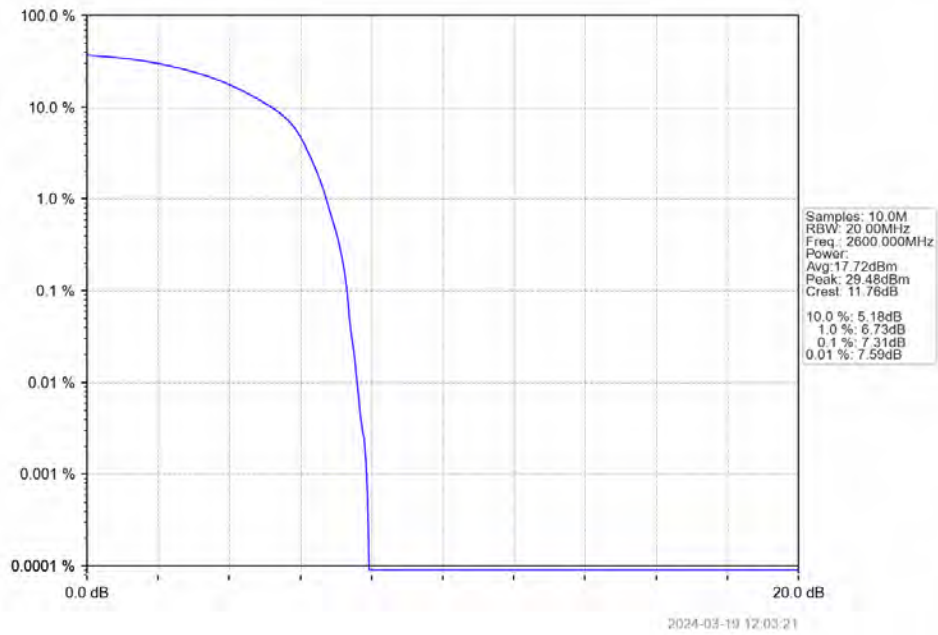
4.1.1 Test Result

5G NR n38 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2590	Outer_Full	7.39	/	/	<=13	Pass
	2595	Outer_Full	7.95	/	/	<=13	Pass
	2600	Outer_Full	7.31	/	/	<=13	Pass
DFT-s-OFDM QPSK	2590	Outer_Full	8.93	/	/	<=13	Pass
	2595	Outer_Full	9.01	/	/	<=13	Pass
	2600	Outer_Full	8.82	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	10.01	/	/	<=13	Pass
	2595	Outer_Full	9.70	/	/	<=13	Pass
	2600	Outer_Full	10.08	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2590	Outer_Full	10.32	/	/	<=13	Pass
	2595	Outer_Full	10.16	/	/	<=13	Pass
	2600	Outer_Full	10.21	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	10.22	/	/	<=13	Pass
	2595	Outer_Full	10.30	/	/	<=13	Pass
	2600	Outer_Full	10.25	/	/	<=13	Pass
CP-OFDM QPSK	2590	Outer_Full	11.32	/	/	<=13	Pass
	2595	Outer_Full	11.34	/	/	<=13	Pass
	2600	Outer_Full	11.35	/	/	<=13	Pass
CP-OFDM 16 QAM	2590	Outer_Full	11.34	/	/	<=13	Pass
	2595	Outer_Full	11.61	/	/	<=13	Pass
	2600	Outer_Full	11.73	/	/	<=13	Pass
CP-OFDM 64 QAM	2590	Outer_Full	11.53	/	/	<=13	Pass
	2595	Outer_Full	11.55	/	/	<=13	Pass
	2600	Outer_Full	11.66	/	/	<=13	Pass
CP-OFDM 256 QAM	2590	Outer_Full	11.73	/	/	<=13	Pass
	2595	Outer_Full	11.63	/	/	<=13	Pass
	2600	Outer_Full	11.67	/	/	<=13	Pass

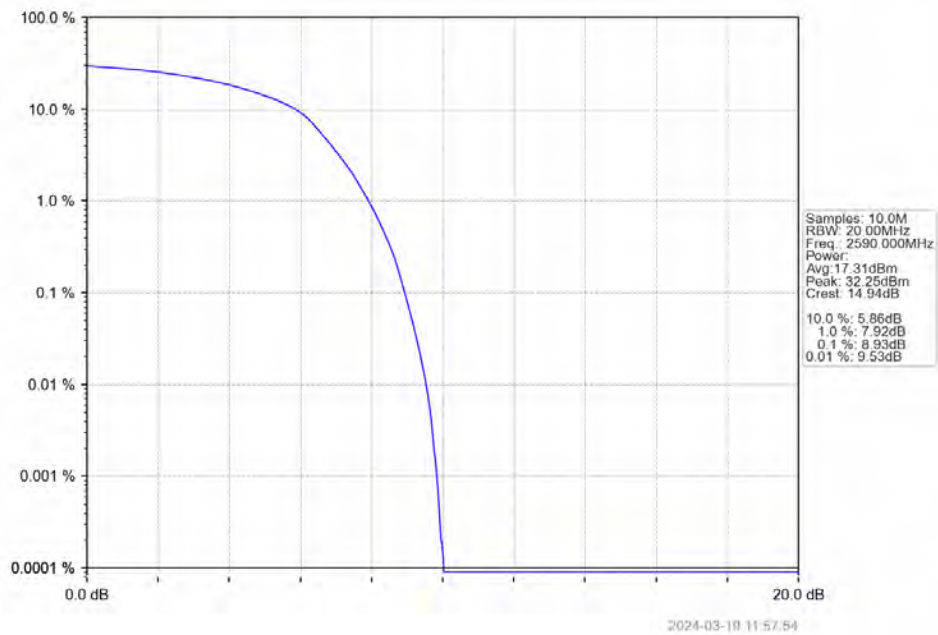
4.3.2 Test Graph



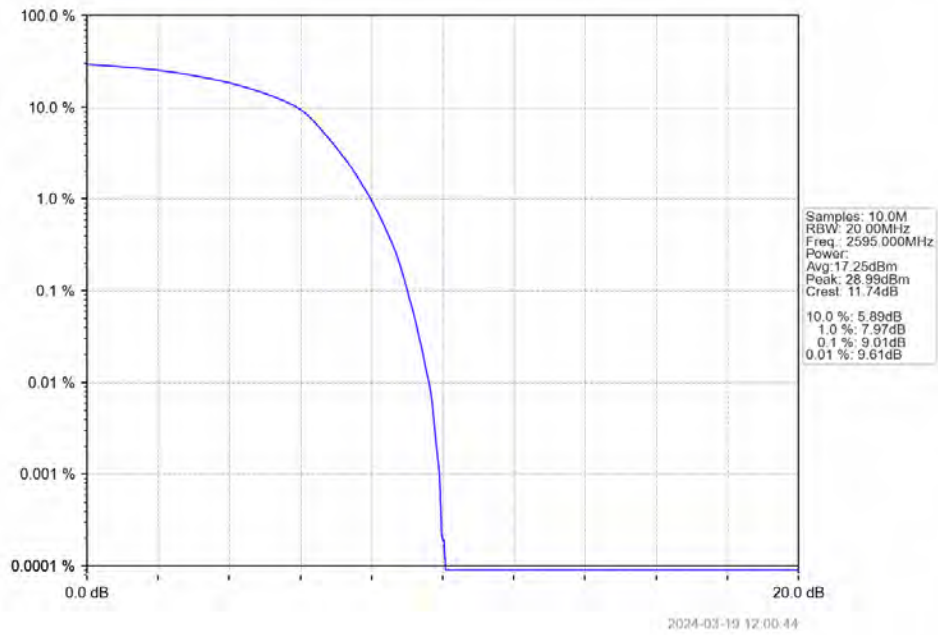
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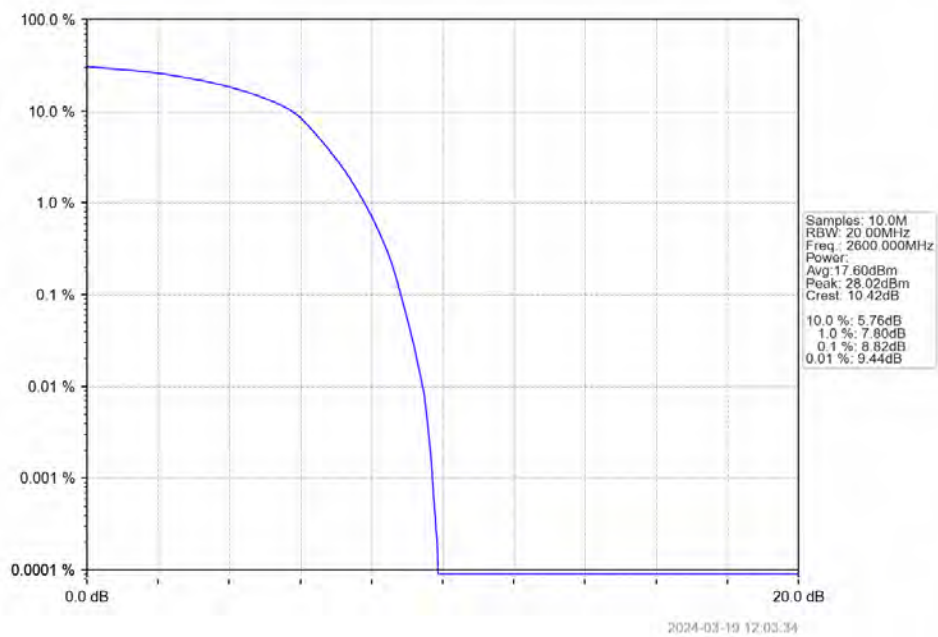
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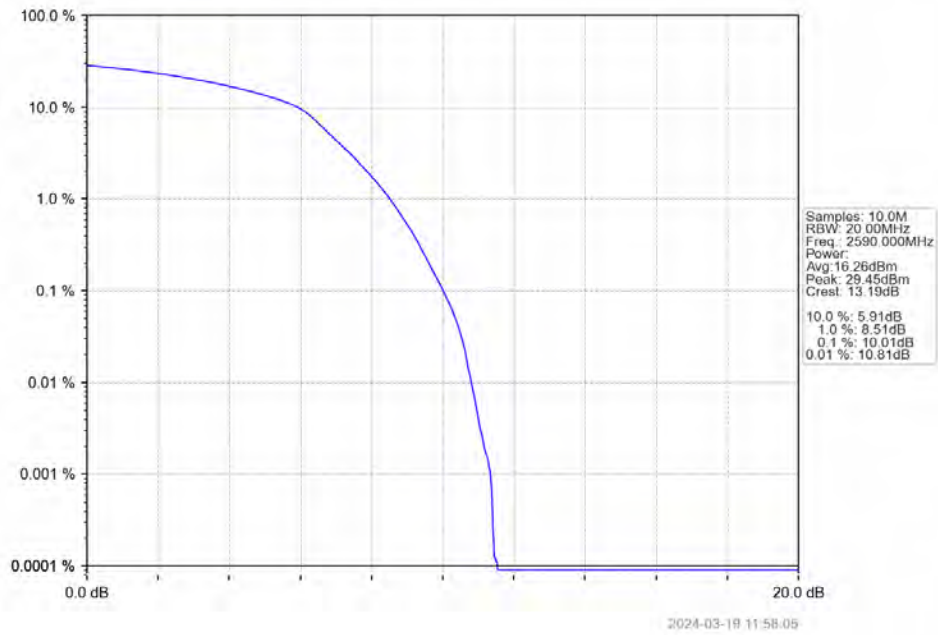
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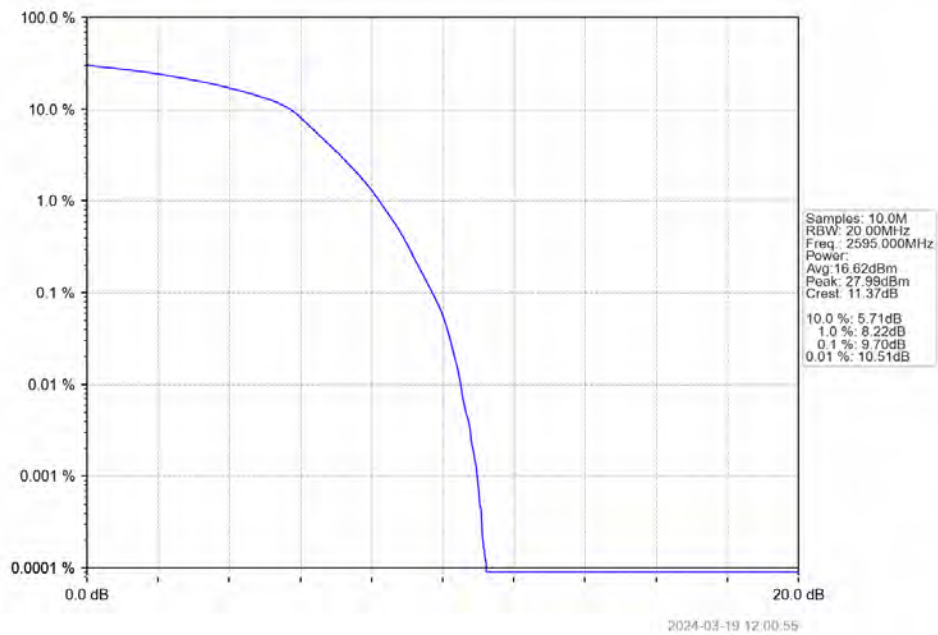
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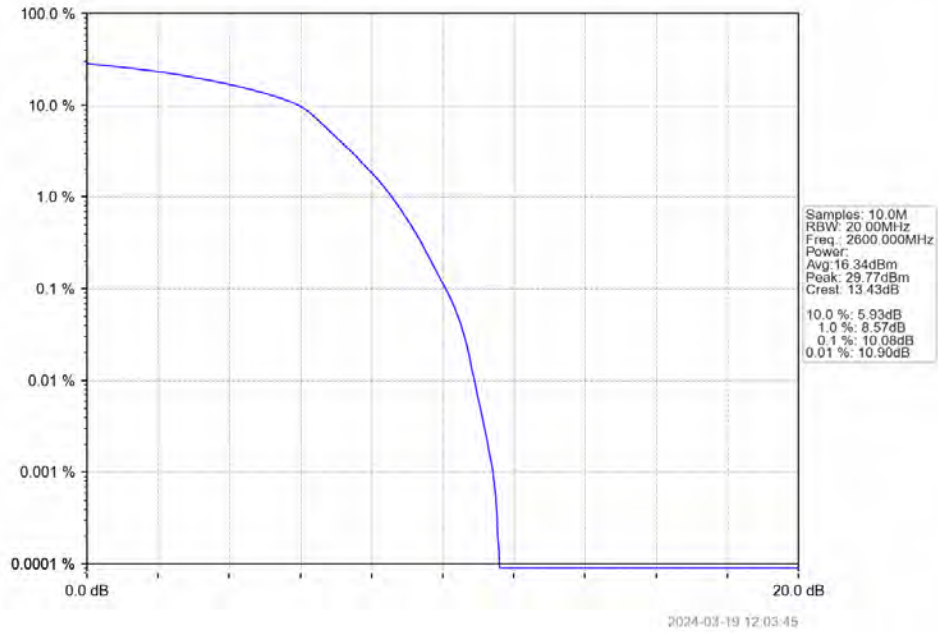
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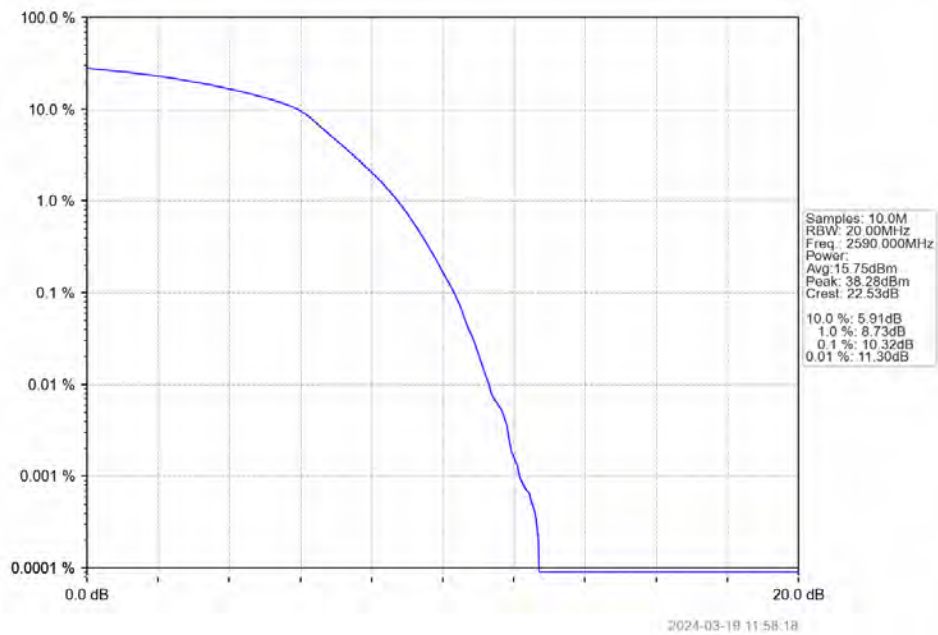
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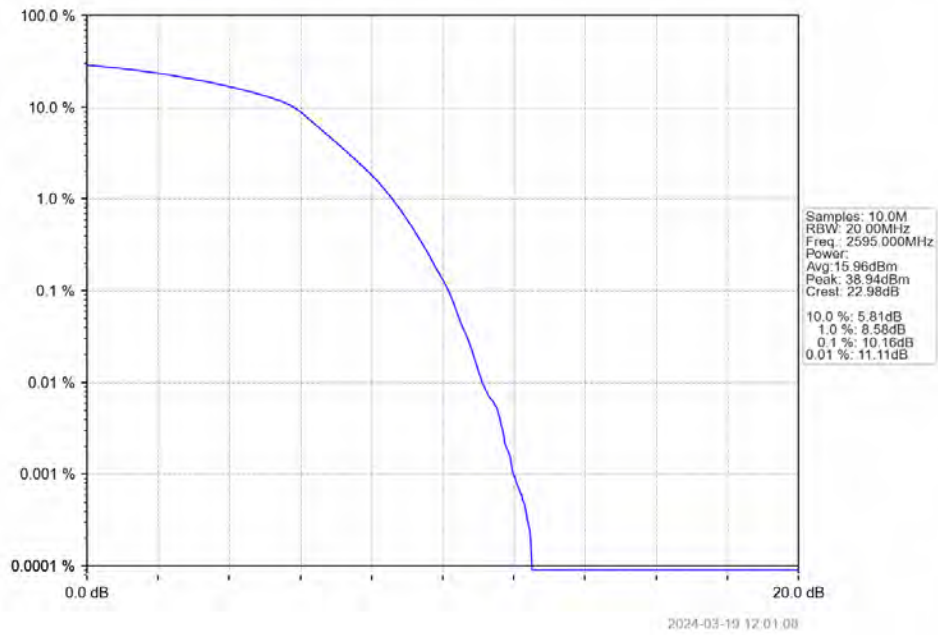
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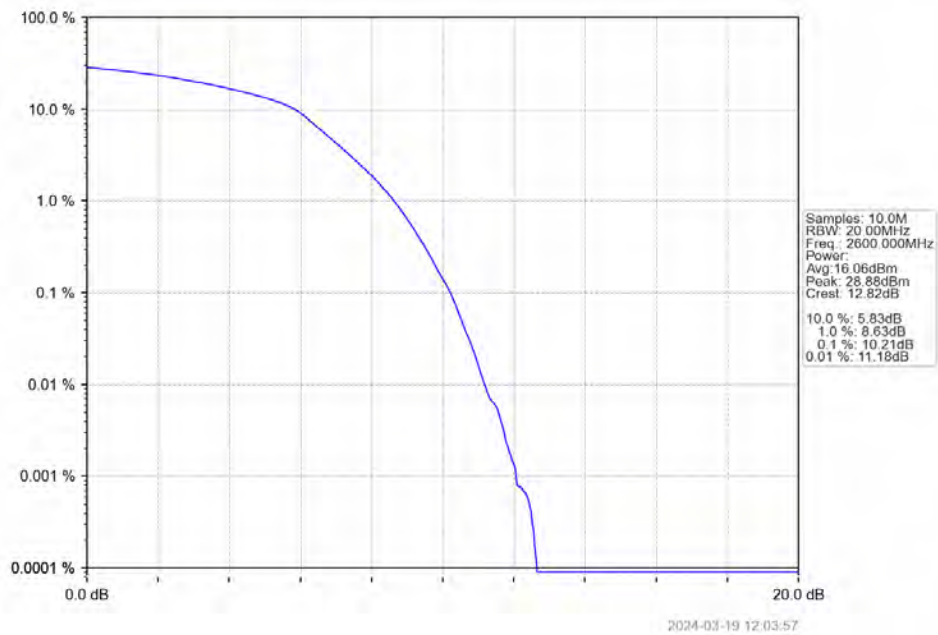
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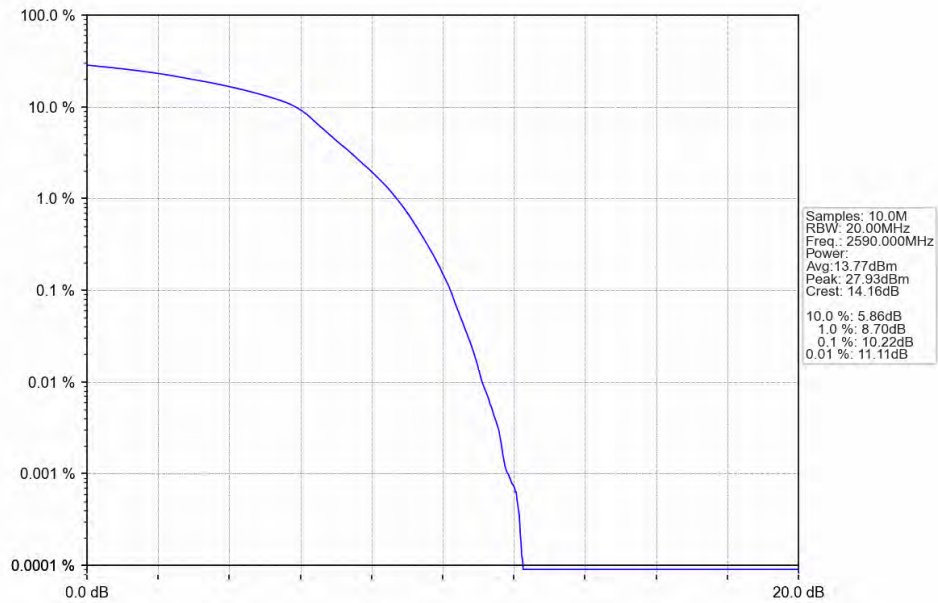
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n38 30kHz SISO NTN 40MHz DFT-s-OFDM 64 QAM 2600MHz Outer Full

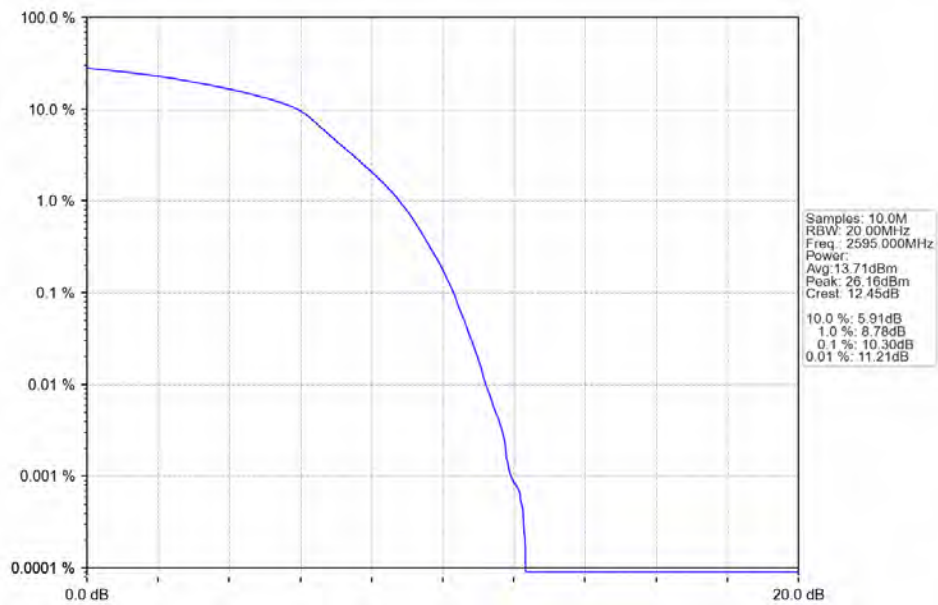


n38 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 2590MHz Outer Full



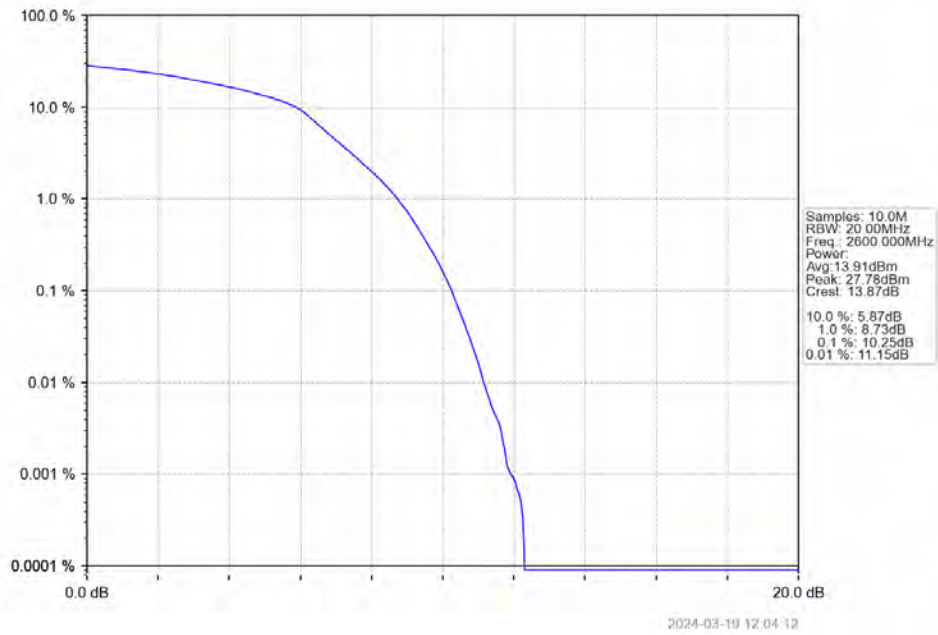
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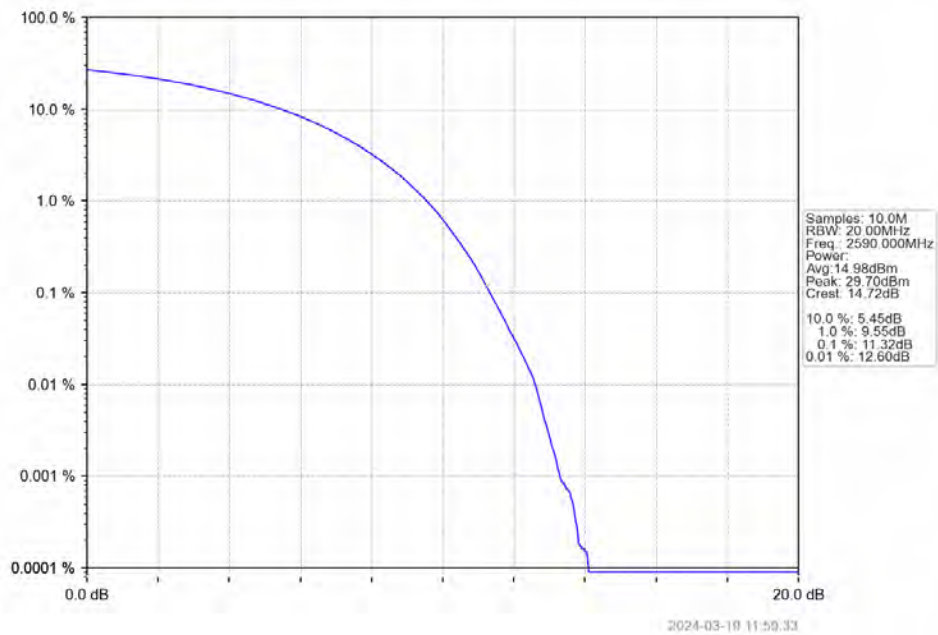


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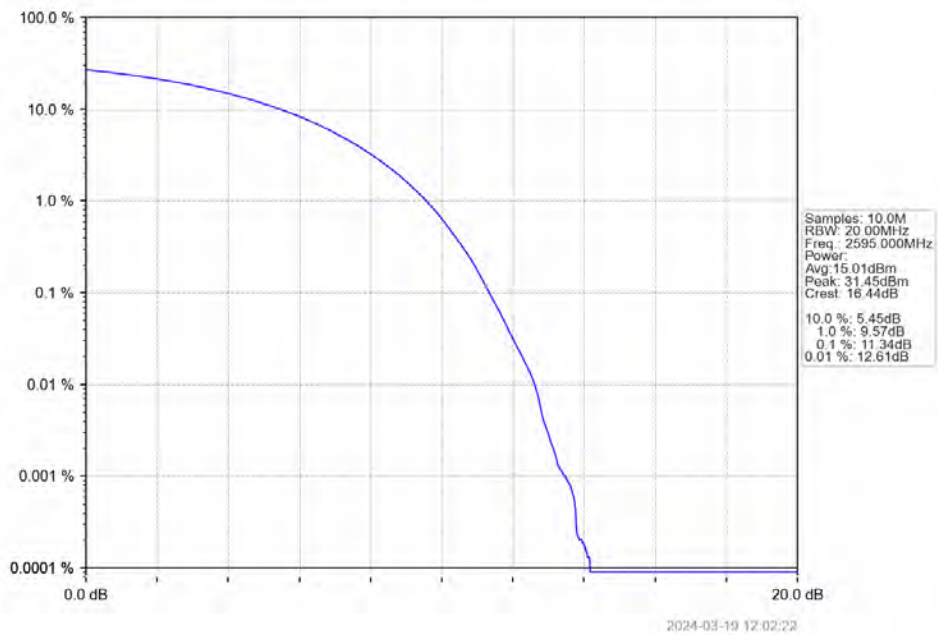
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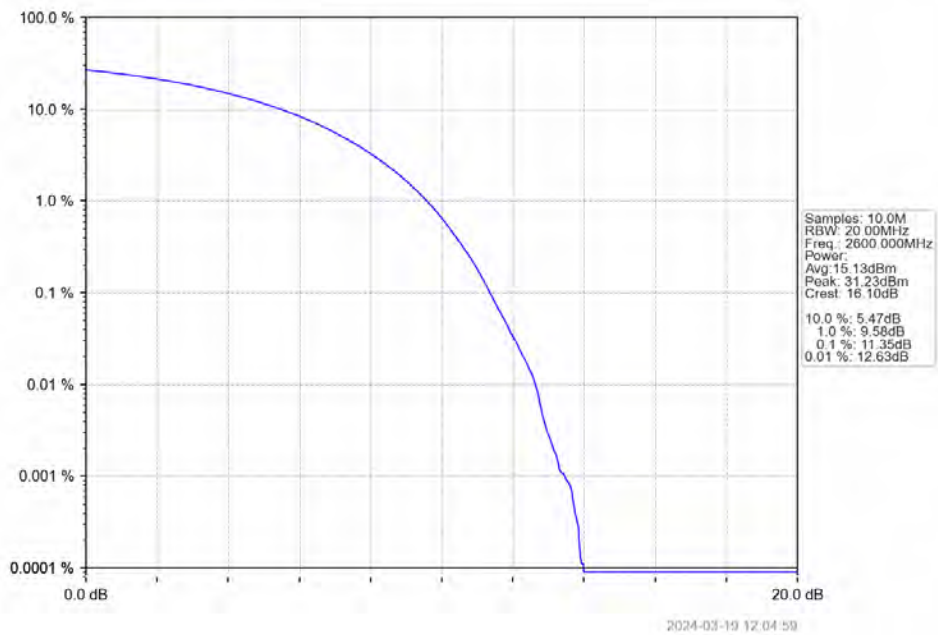
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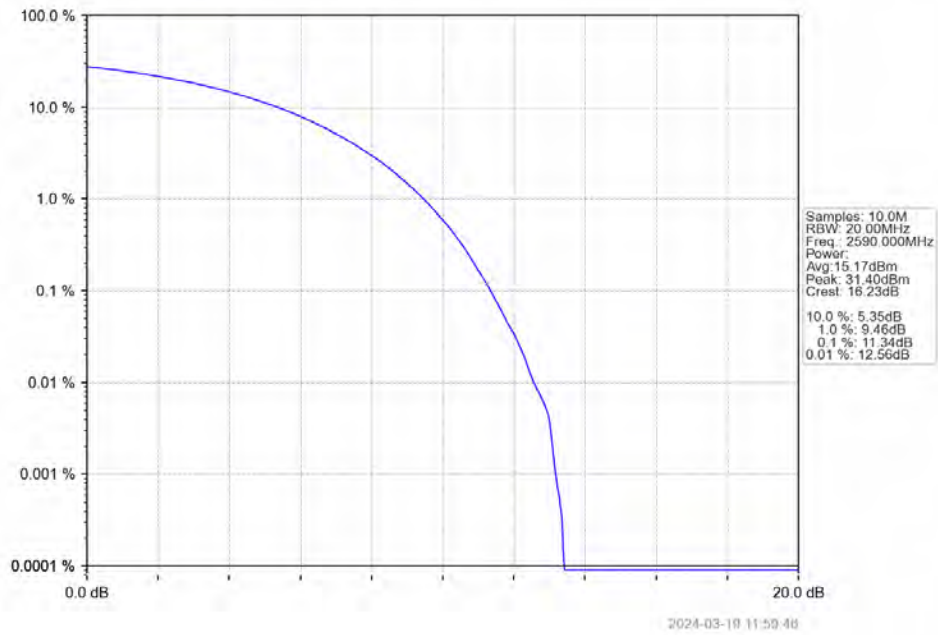
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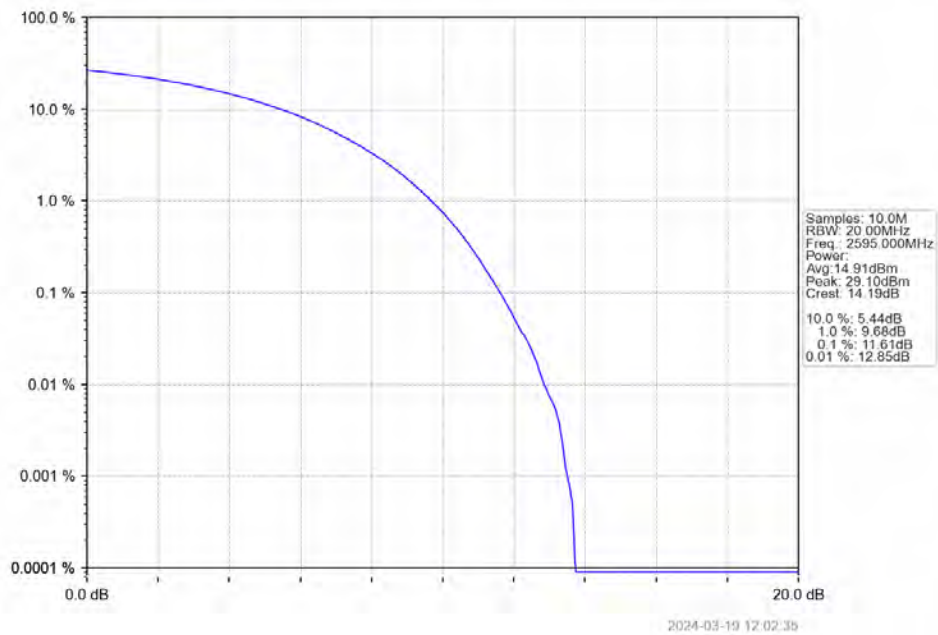
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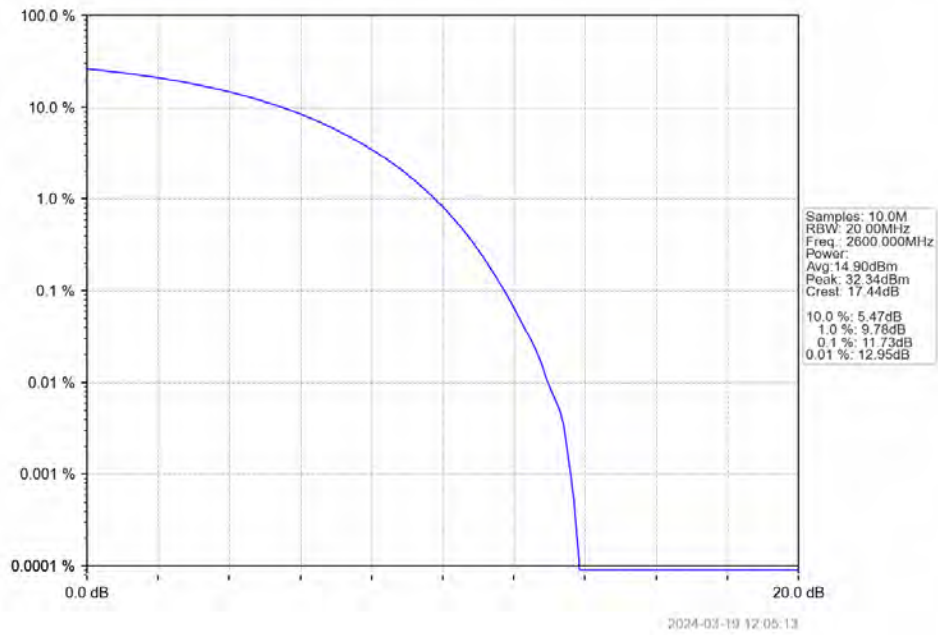
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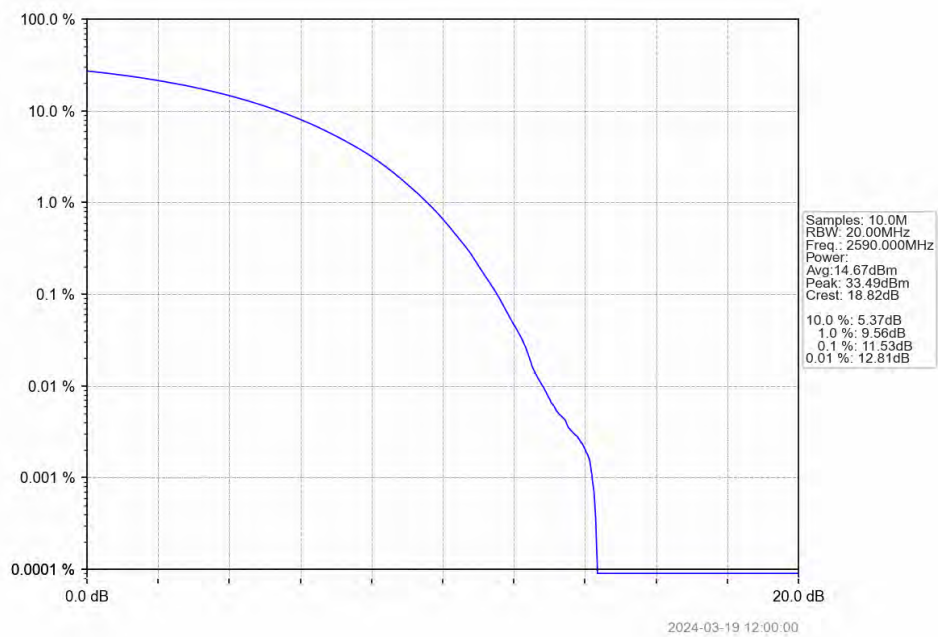
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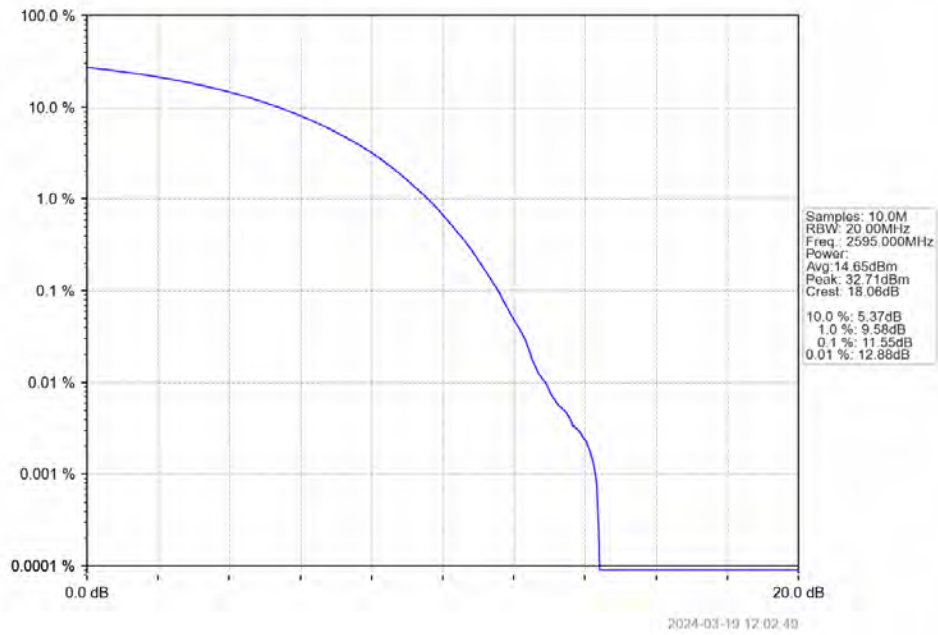
n38 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 2600MHz Outer Full



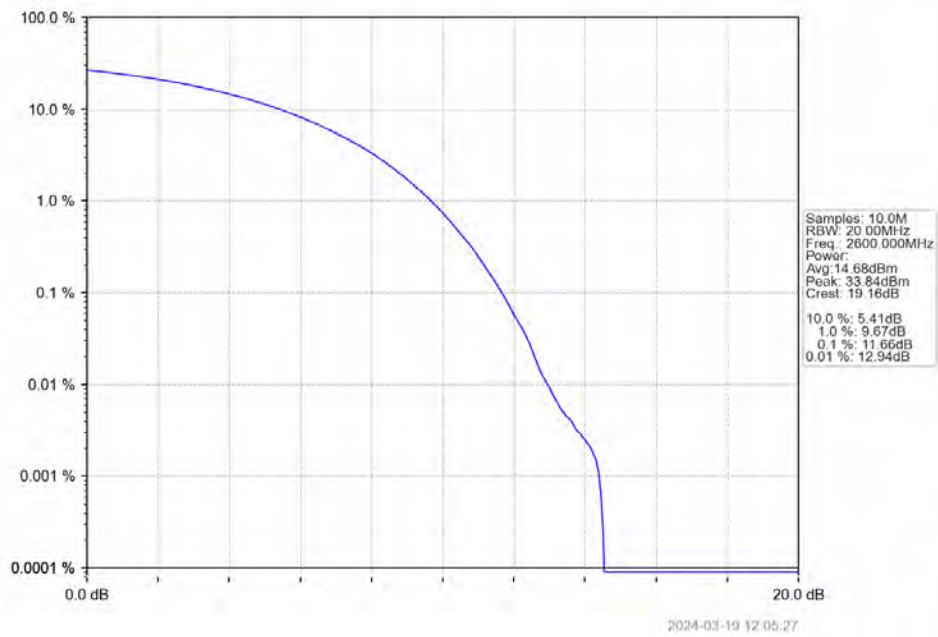
n38 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 2590MHz Outer Full



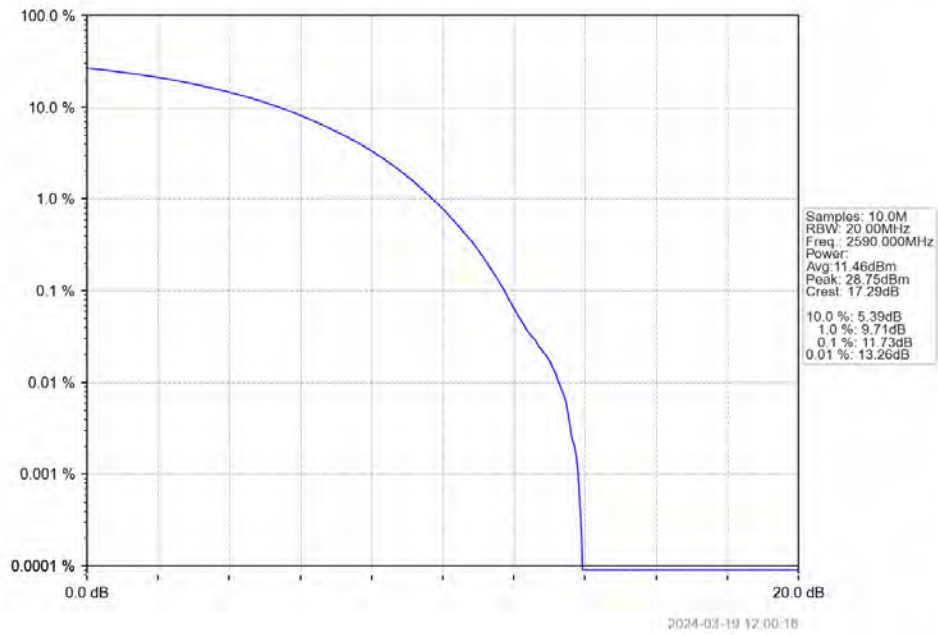
n38 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 2595MHz Outer Full



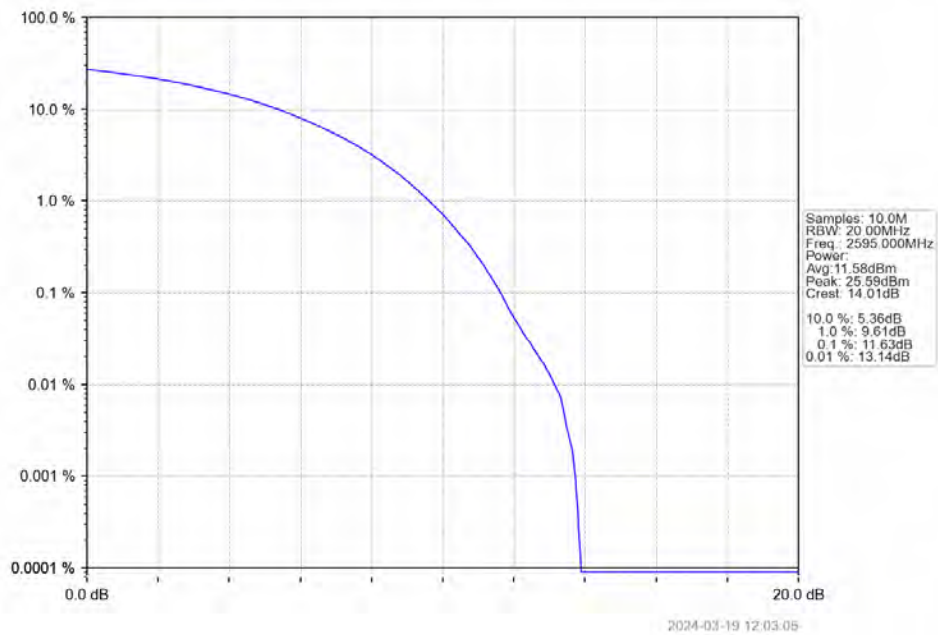
n38 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 2600MHz Outer Full

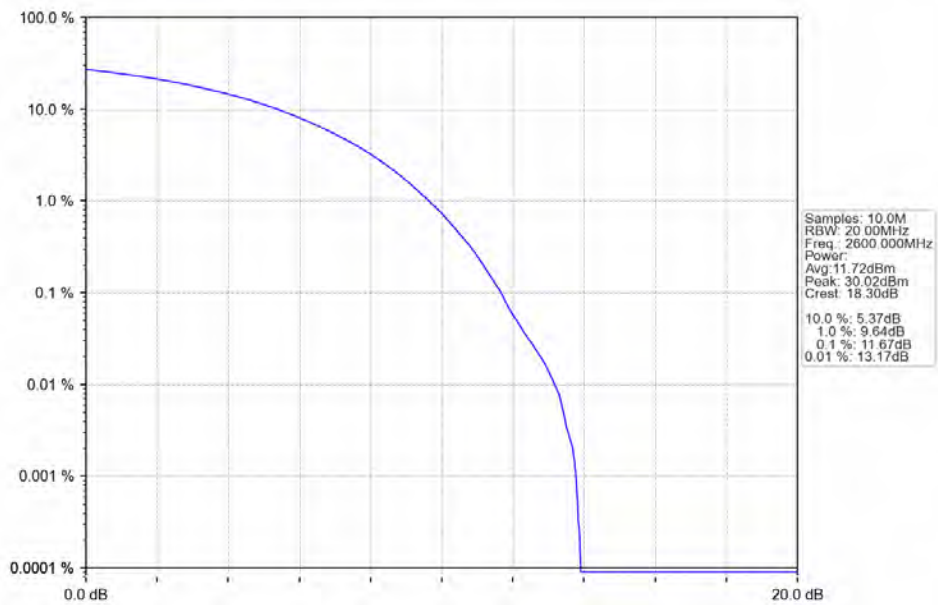


n38 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 2590MHz Outer Full



n38 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 2595MHz Outer Full





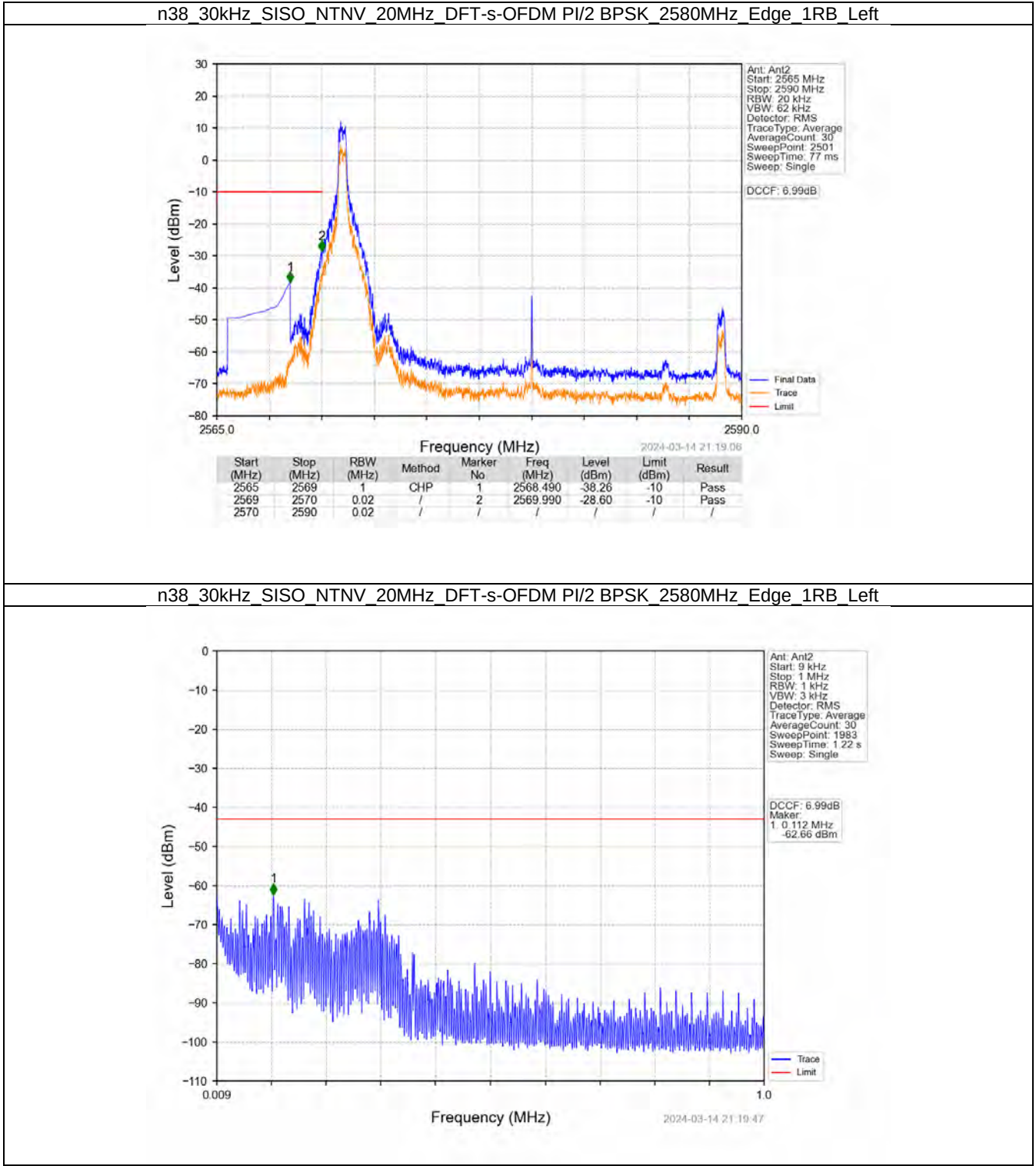
5. Spurious Emission

5.1 30k_SISO_20MHz_NTNV

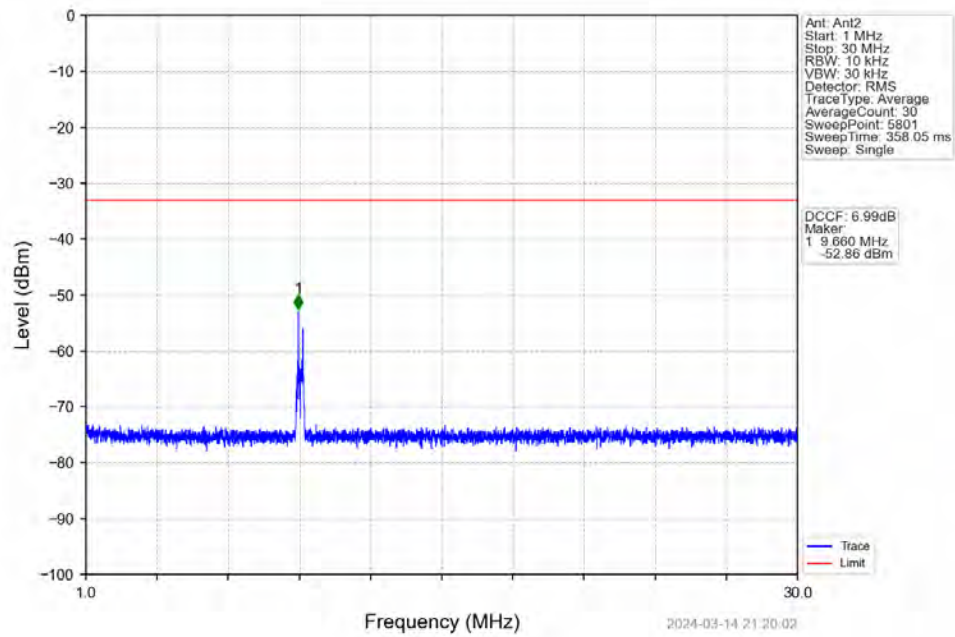
5.1.1 Test Result

5G NR n38 SCS=30kHz SISO 20MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant2	Ant2*	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	2580	Edge 1RB Left	Refer To Test Graph				Pass	
		Outer Full	Refer To Test Graph				Pass	
		Inner 1RB Left	Refer To Test Graph				Pass	
	2595	Edge 1RB Left	Refer To Test Graph				Pass	
		2610	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	2580	Edge 1RB Left	Refer To Test Graph				Pass	
		Outer Full	Refer To Test Graph				Pass	
		Inner 1RB Left	Refer To Test Graph				Pass	
	2595	Edge 1RB Left	Refer To Test Graph				Pass	
		2610	Edge 1RB Right	Refer To Test Graph				Pass
			Outer Full	Refer To Test Graph				Pass
		Inner 1RB Right	Refer To Test Graph				Pass	

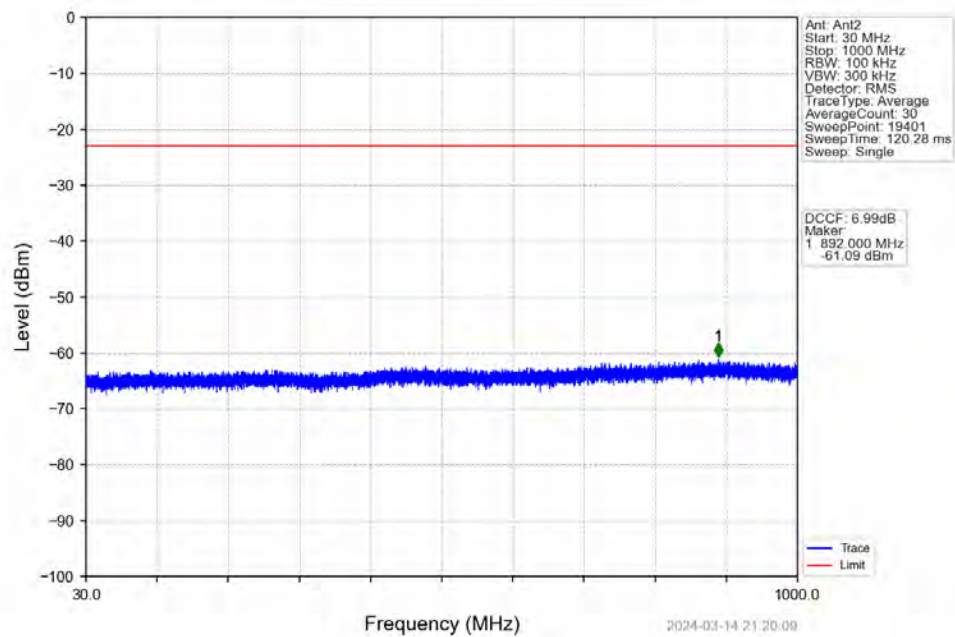
5.1.2 Test Graph



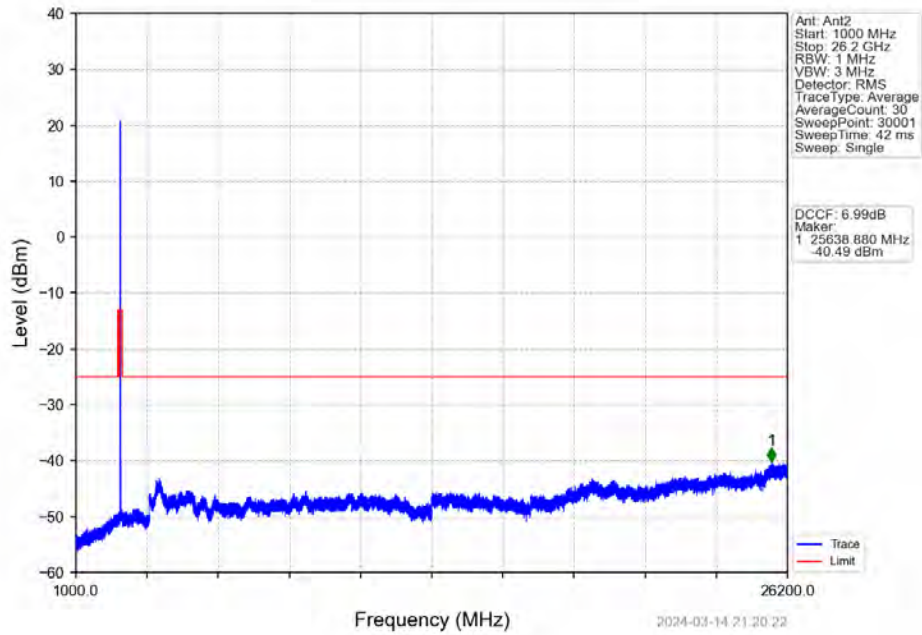
n38 30kHz SISO NTNv 20MHz DFT-s-OFDM PI/2 BPSK 2580MHz Edge 1RB Left



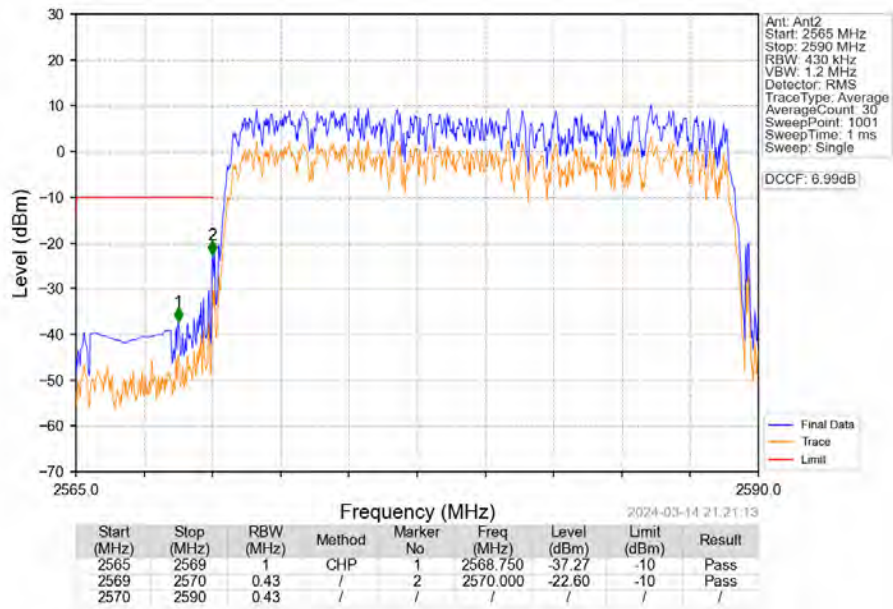
n38 30kHz SISO NTNv 20MHz DFT-s-OFDM PI/2 BPSK 2580MHz Edge 1RB Left



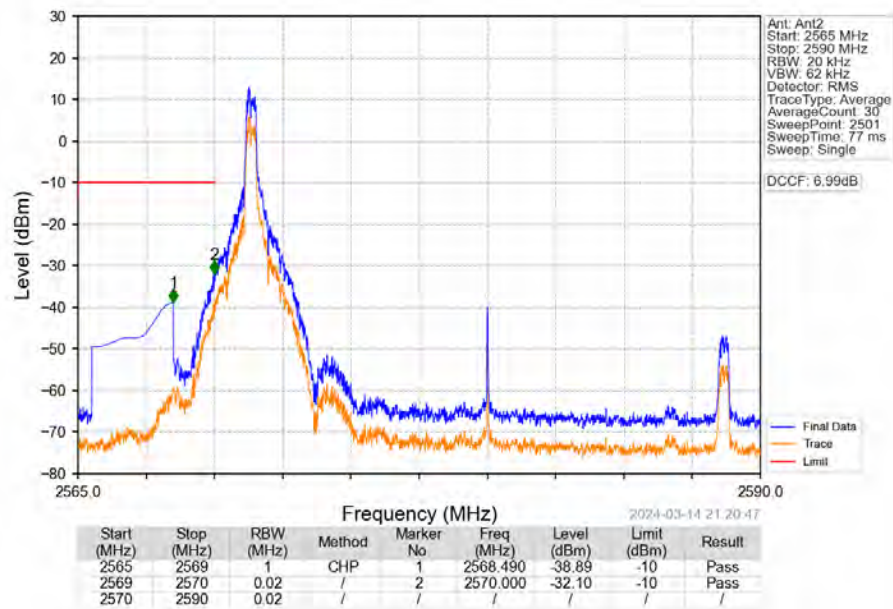
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2580MHz Edge 1RB Left



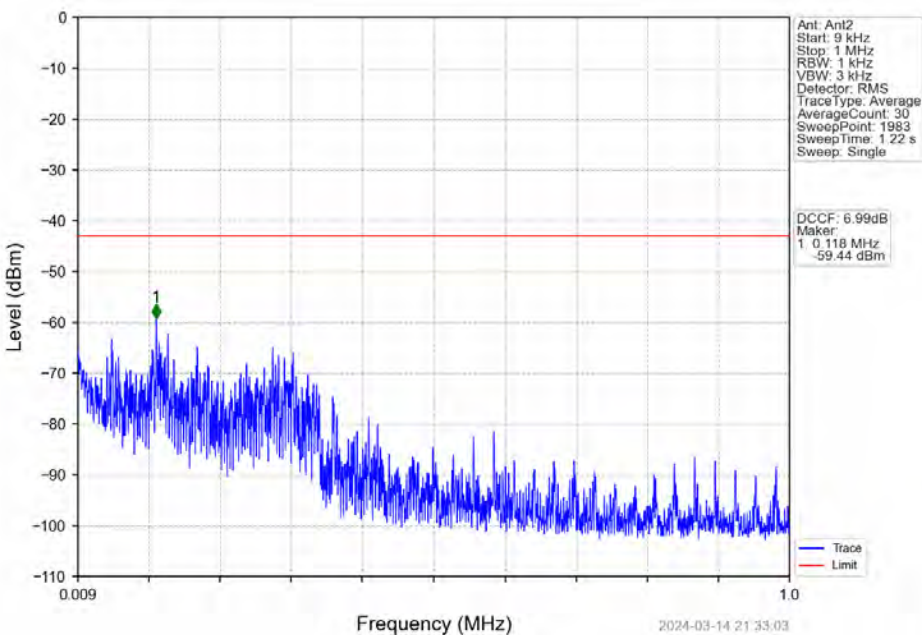
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2580MHz Outer Full



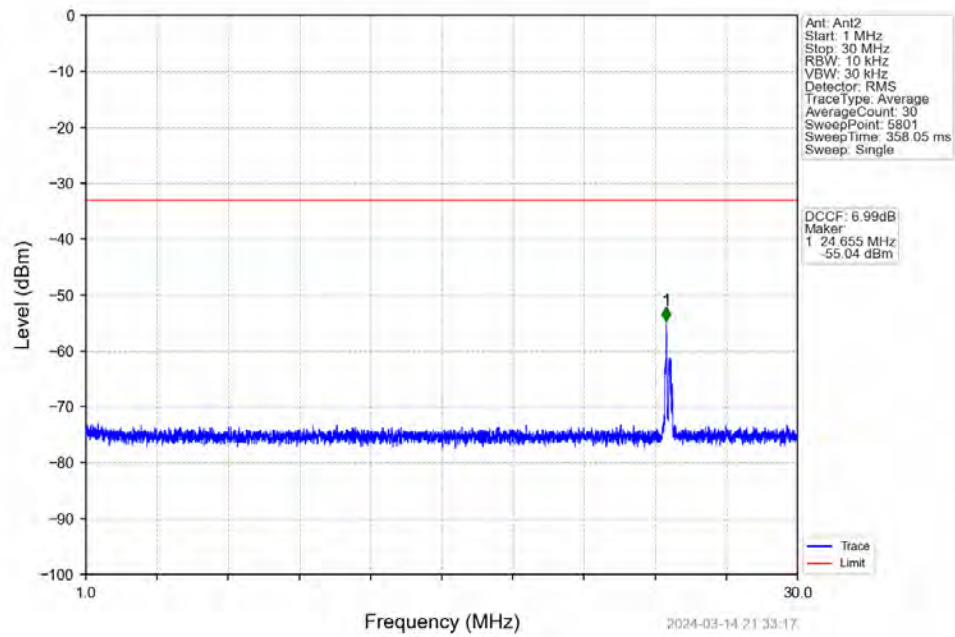
n38 30kHz SISO NTV 20MHz DFT-s-OFDM PI/2 BPSK 2580MHz Inner 1RB Left



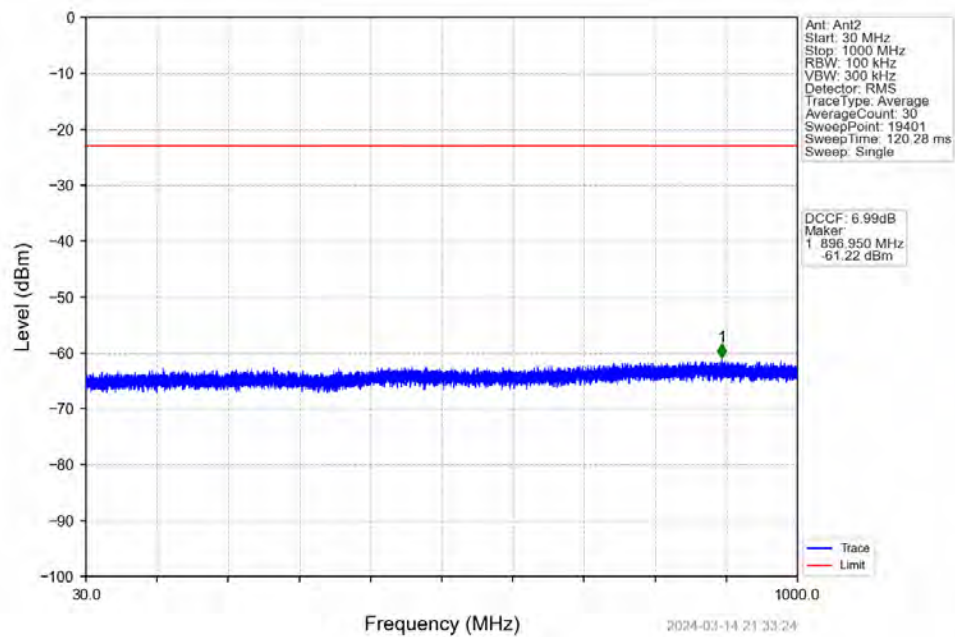
n38 30kHz SISO NTV 20MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



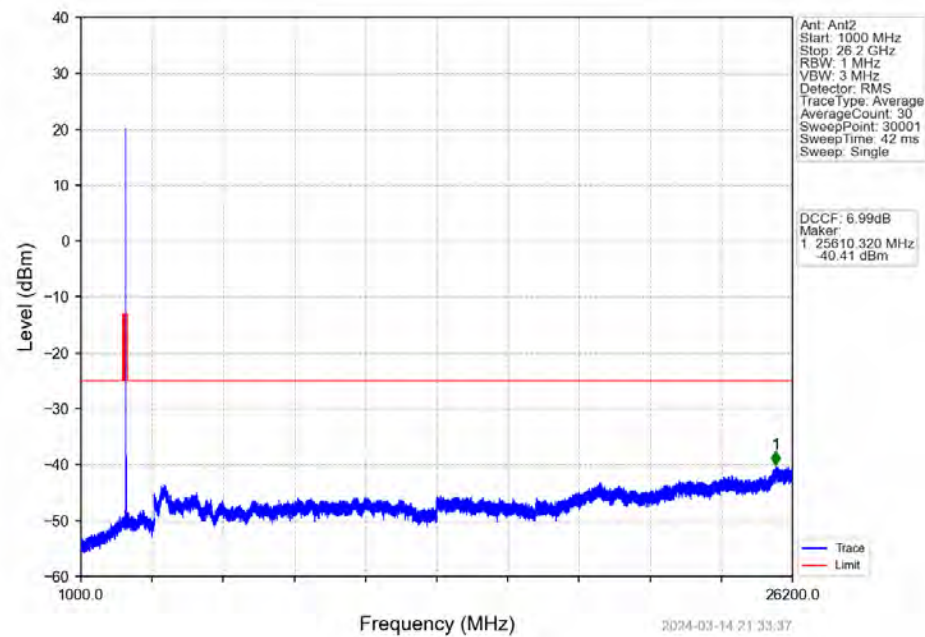
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



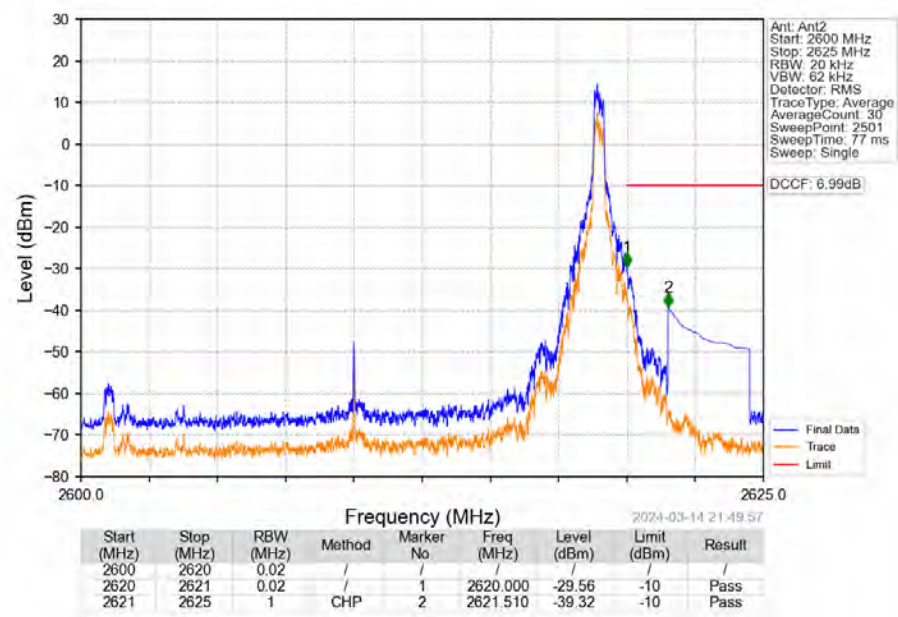
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



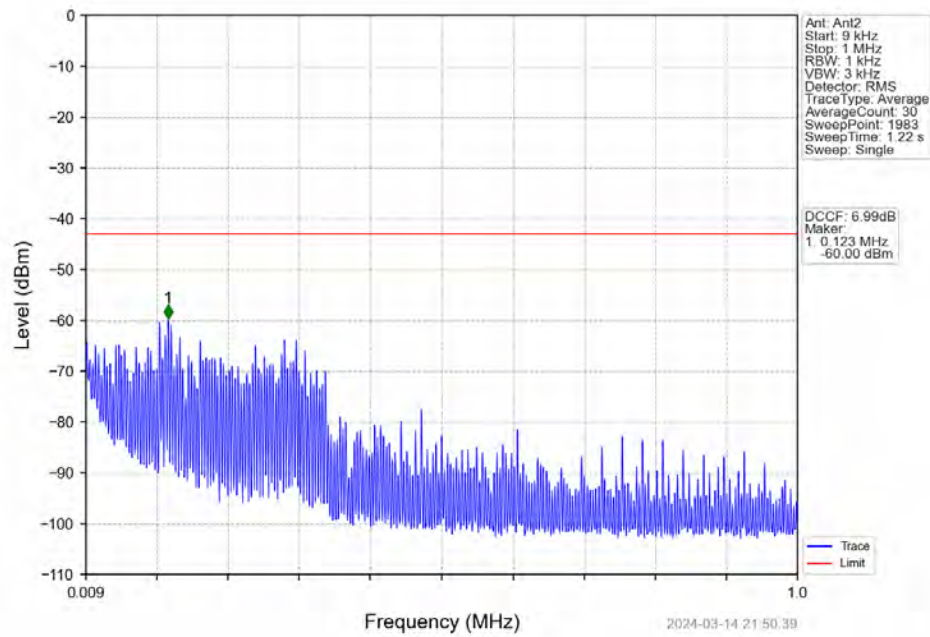
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



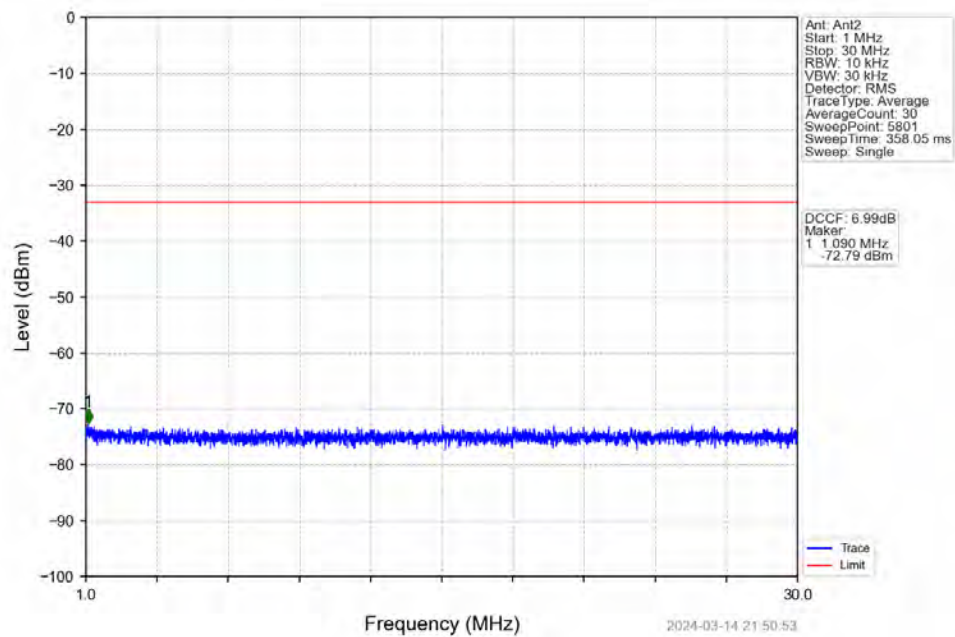
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2610MHz Edge 1RB Right



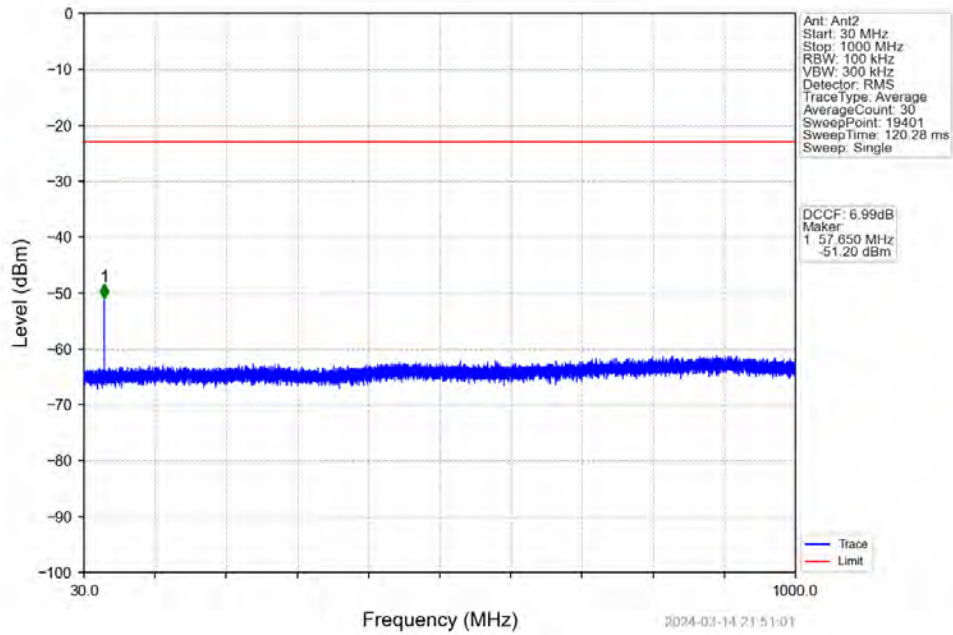
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2610MHz Edge 1RB Right



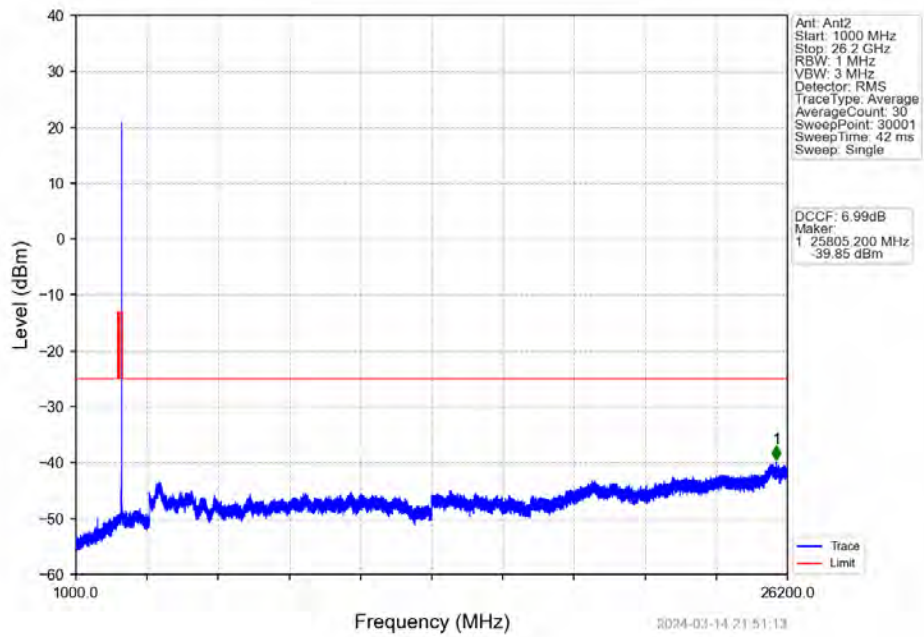
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2610MHz Edge 1RB Right



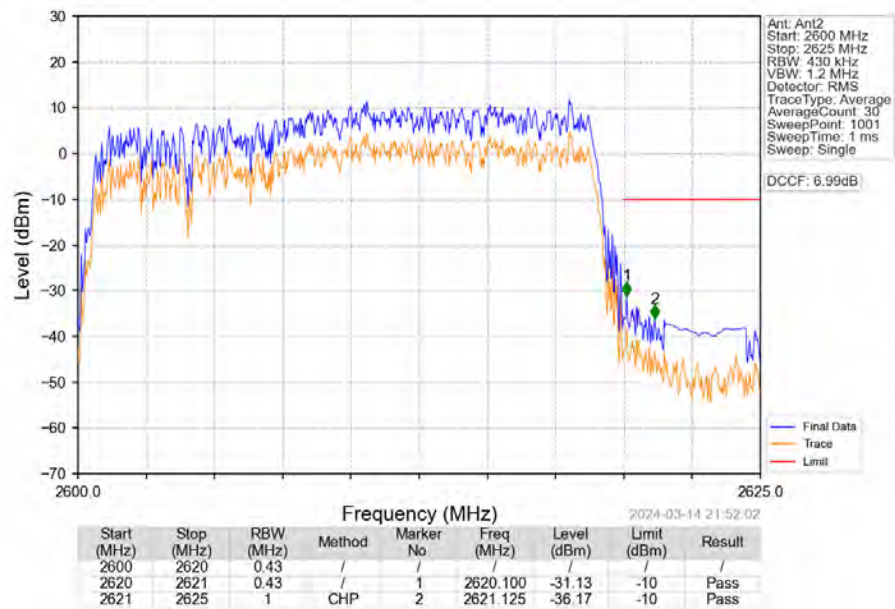
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2610MHz Edge 1RB Right



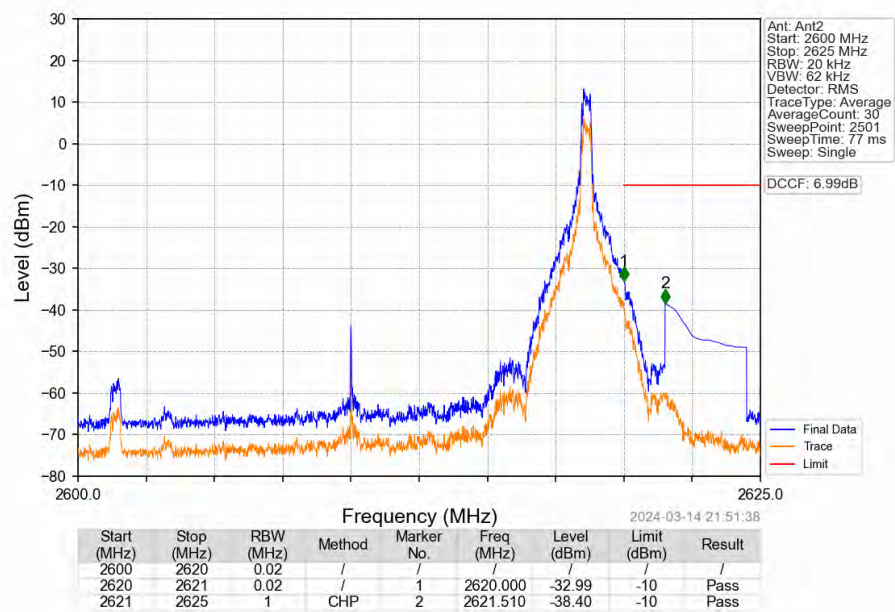
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2610MHz Edge 1RB Right



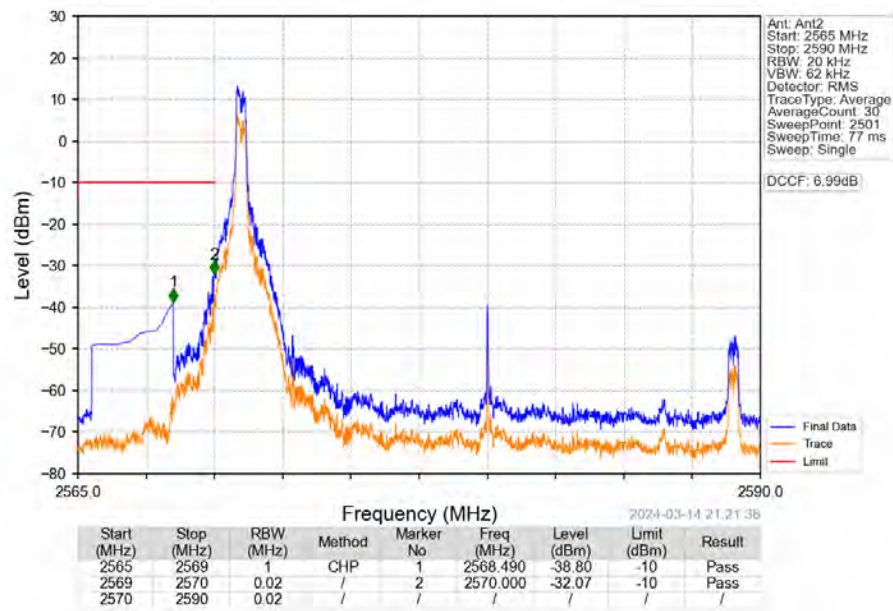
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2610MHz Outer Full



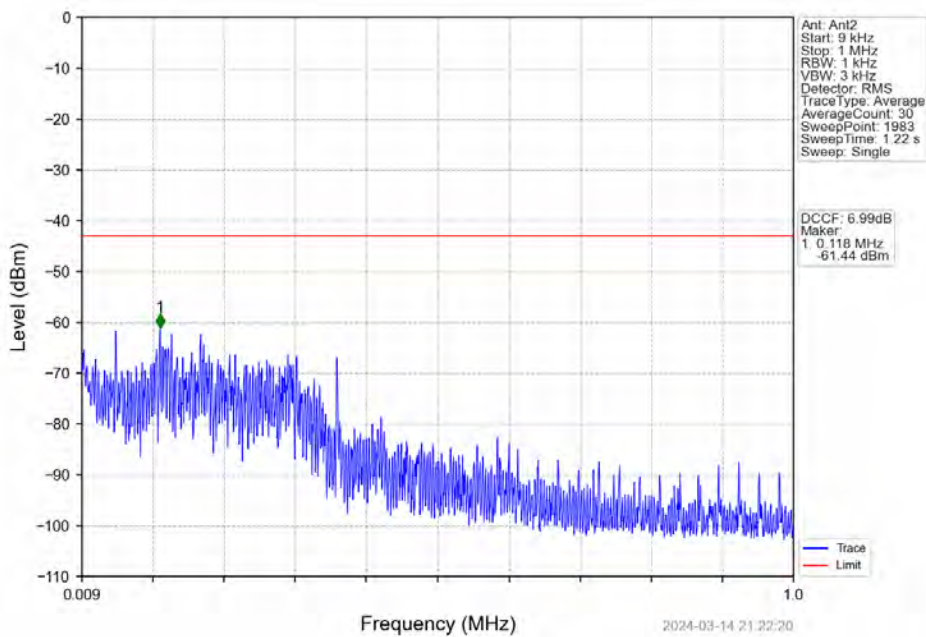
n38 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 2610MHz Inner 1RB Right



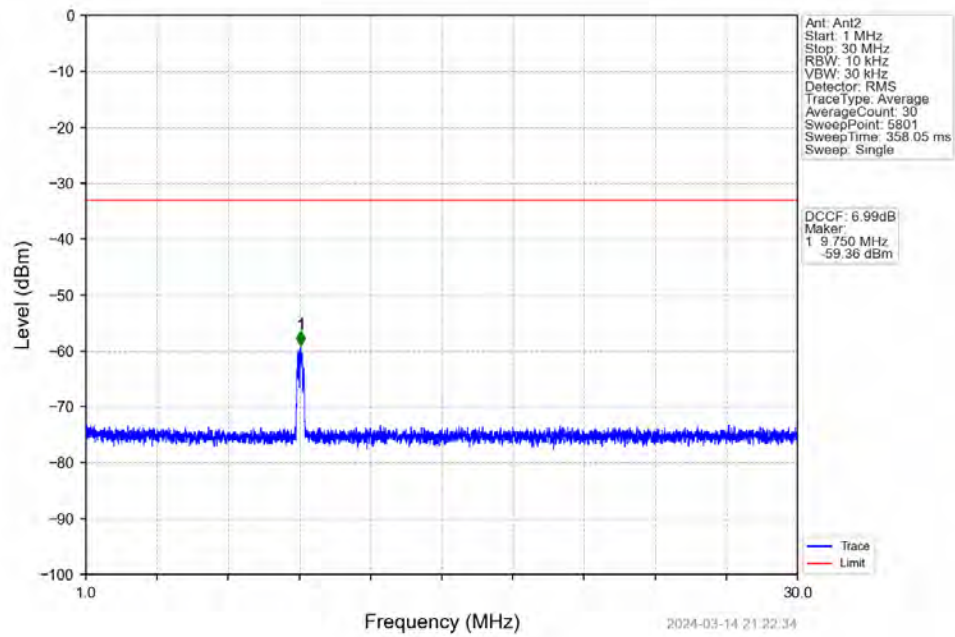
n38 30kHz SISO NTV 20MHz DFT-s-OFDM QPSK 2580MHz Edge 1RB Left



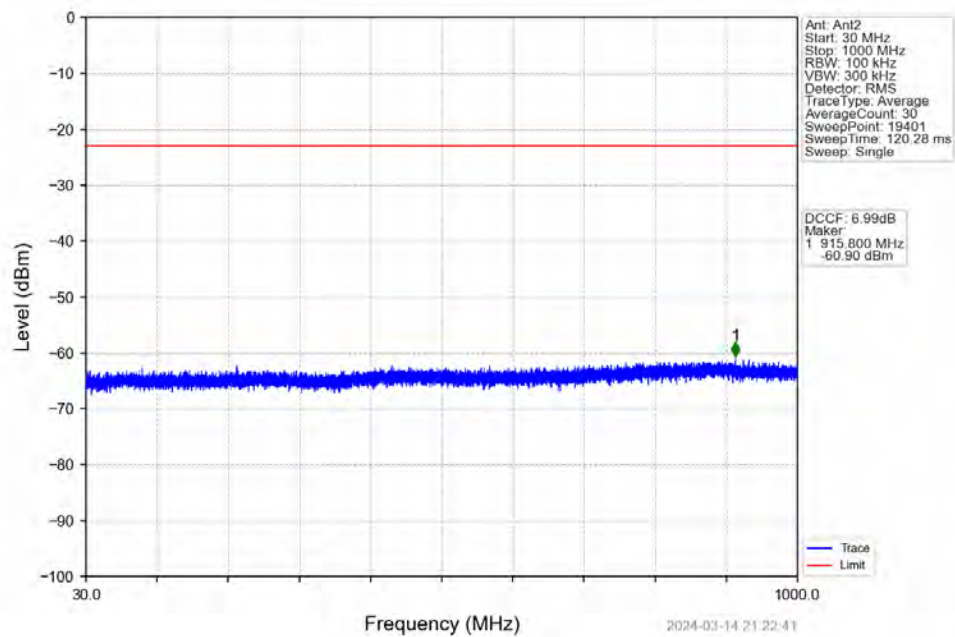
n38 30kHz SISO NTV 20MHz DFT-s-OFDM QPSK 2580MHz Edge 1RB Left



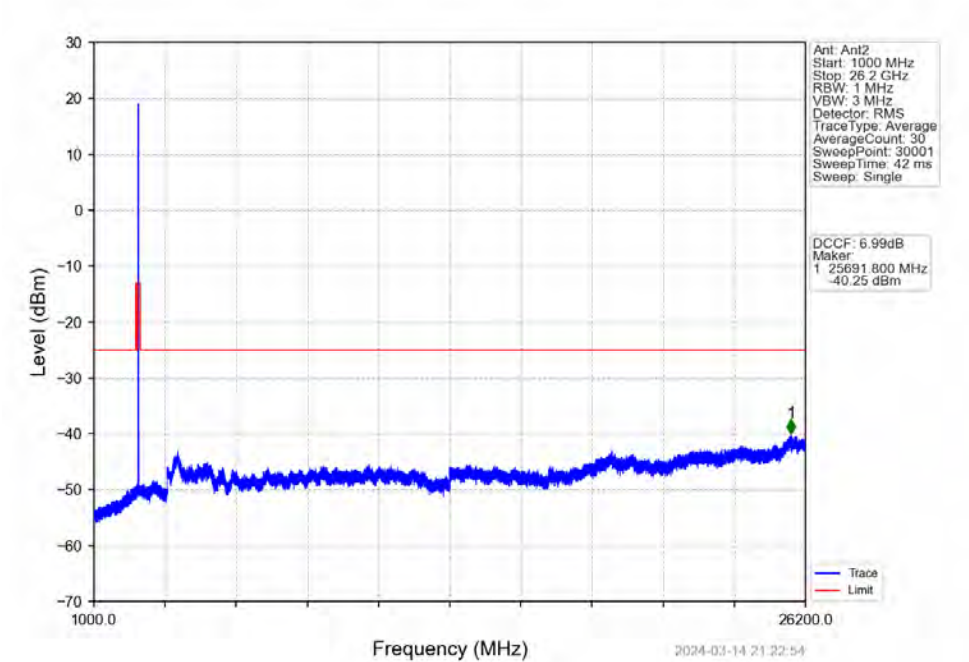
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_2580MHz_Edge_1RB_Left



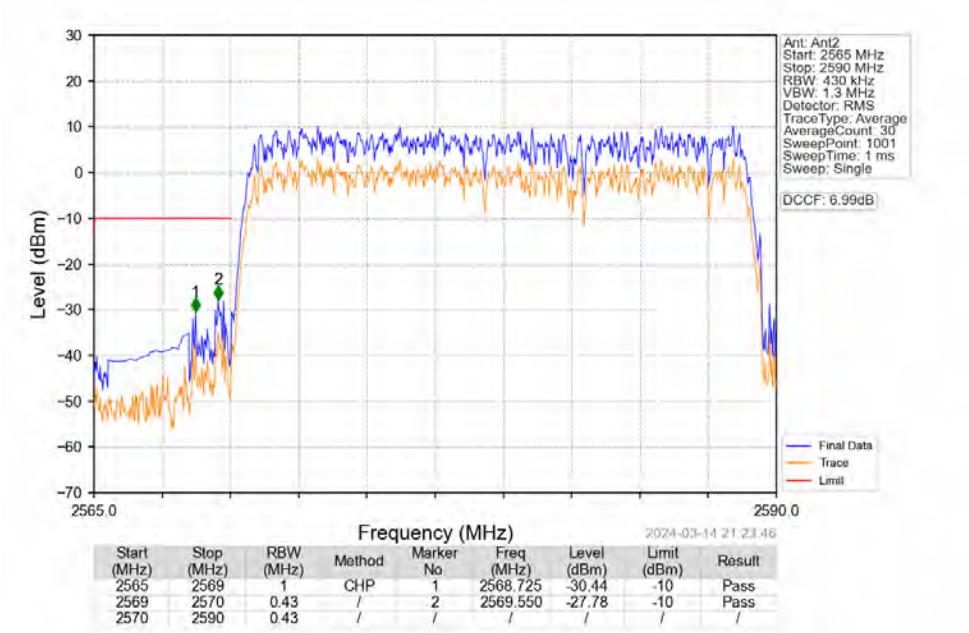
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_2580MHz_Edge_1RB_Left



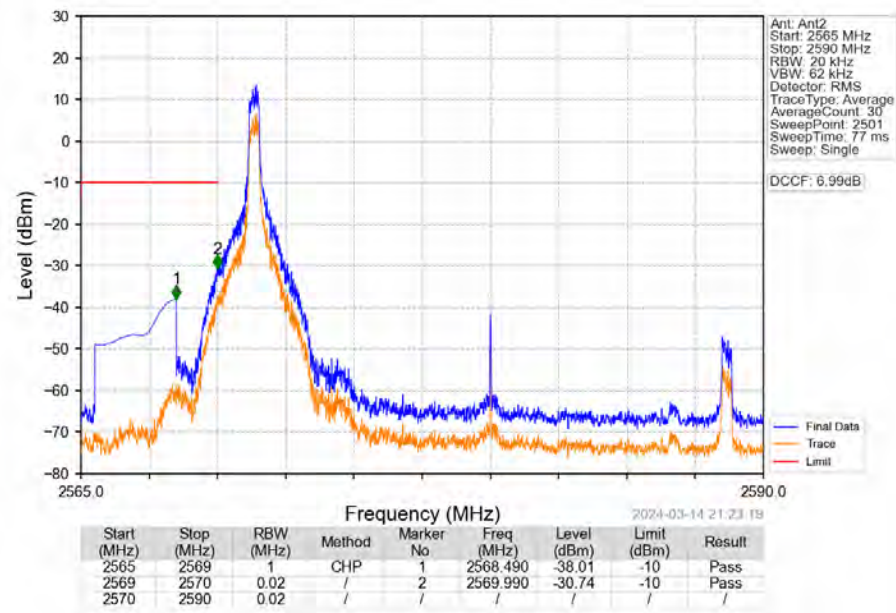
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2580MHz Edge 1RB Left



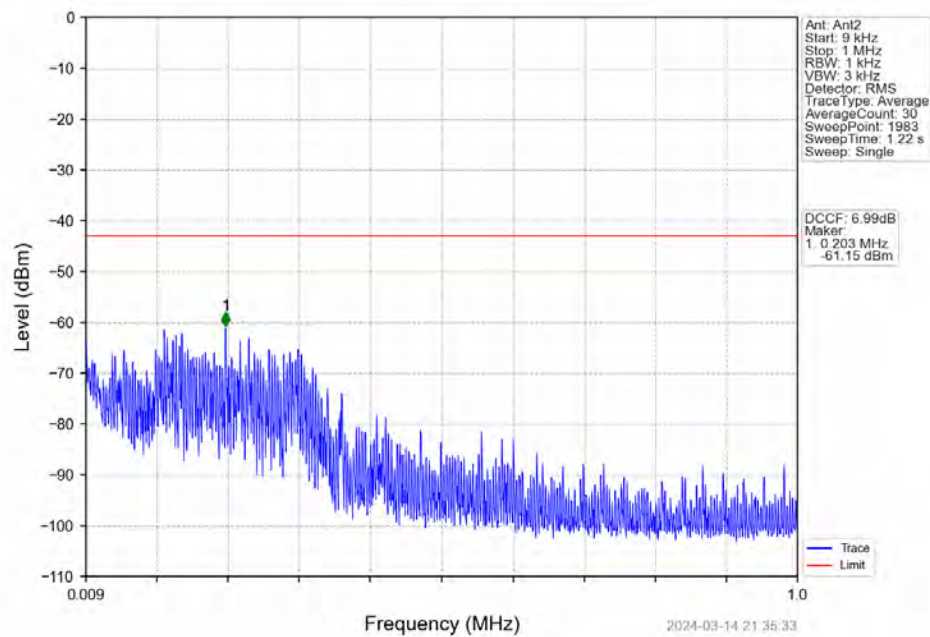
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2580MHz Outer Full



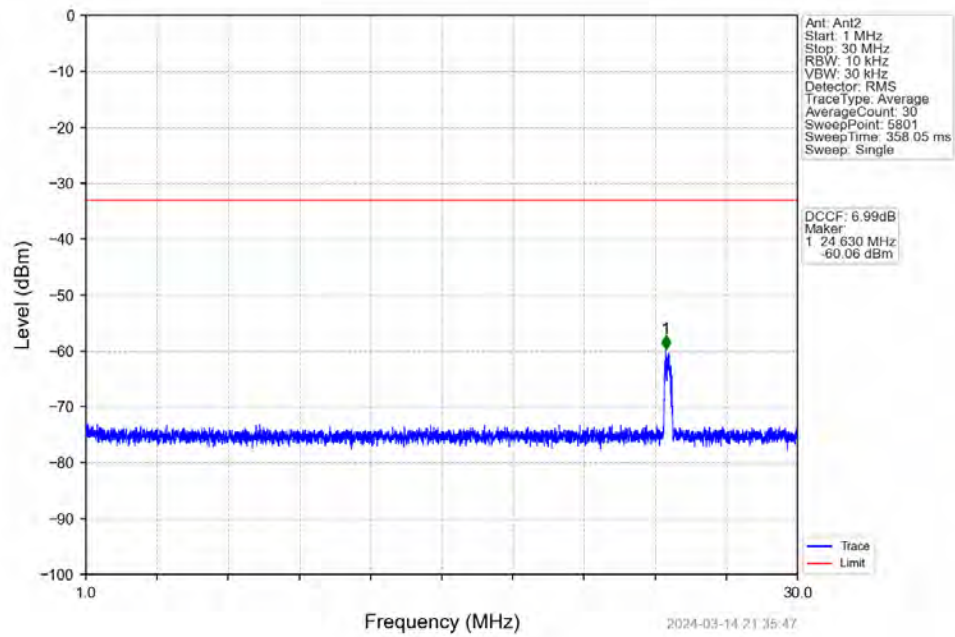
n38 30kHz SISO NTV 20MHz DFT-s-OFDM QPSK 2580MHz Inner 1RB Left



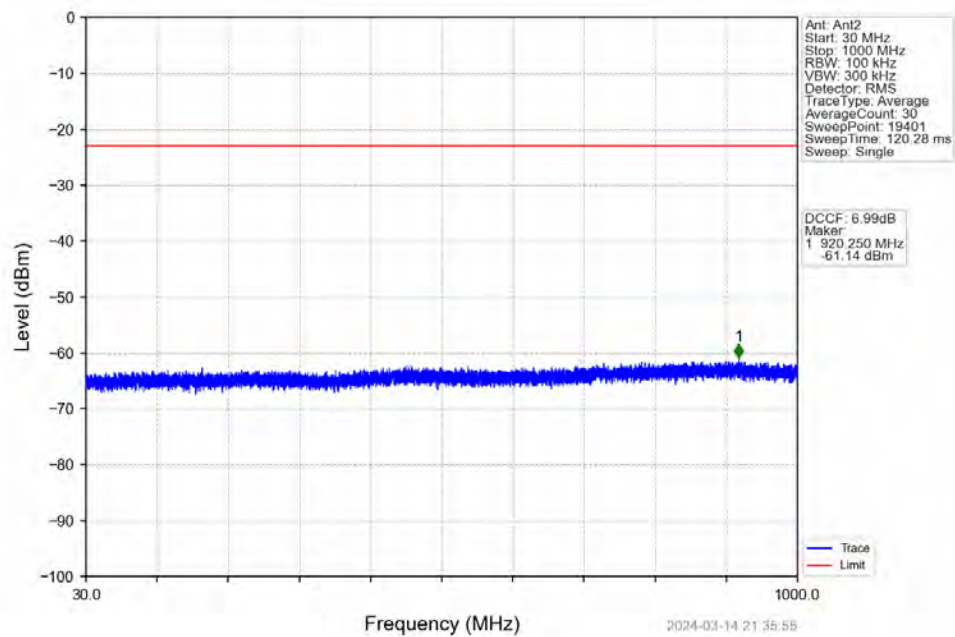
n38 30kHz SISO NTV 20MHz DFT-s-OFDM QPSK 2595MHz Edge 1RB Left



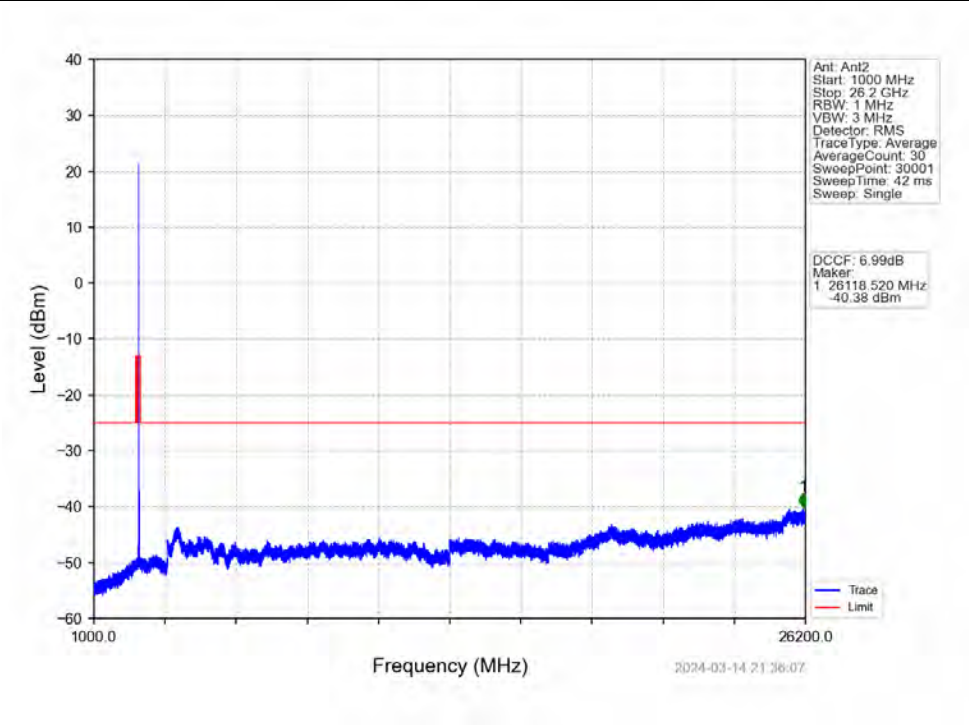
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_2595MHz_Edge_1RB_Left



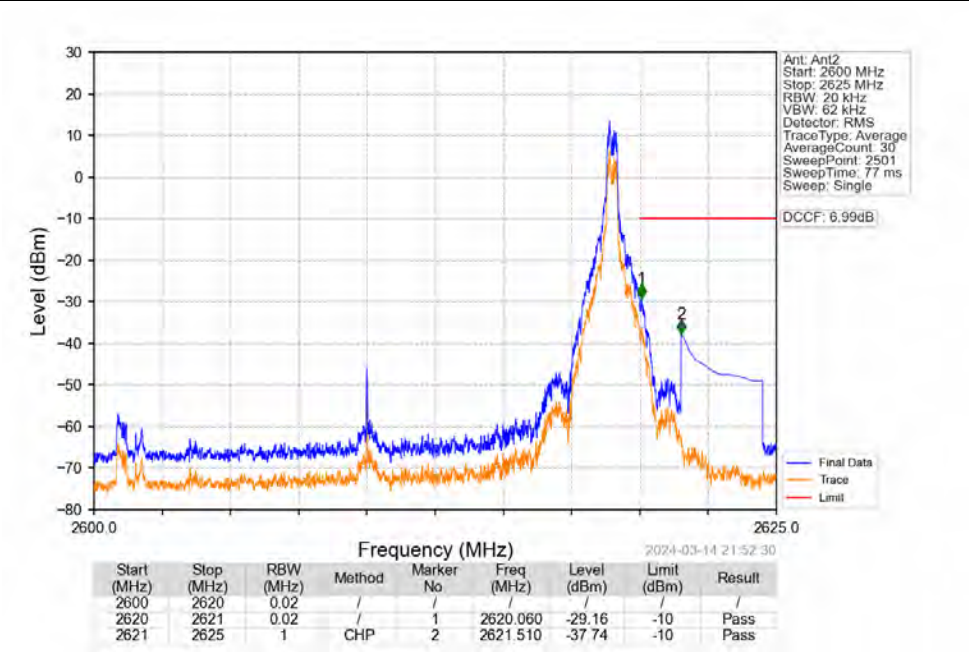
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_2595MHz_Edge_1RB_Left



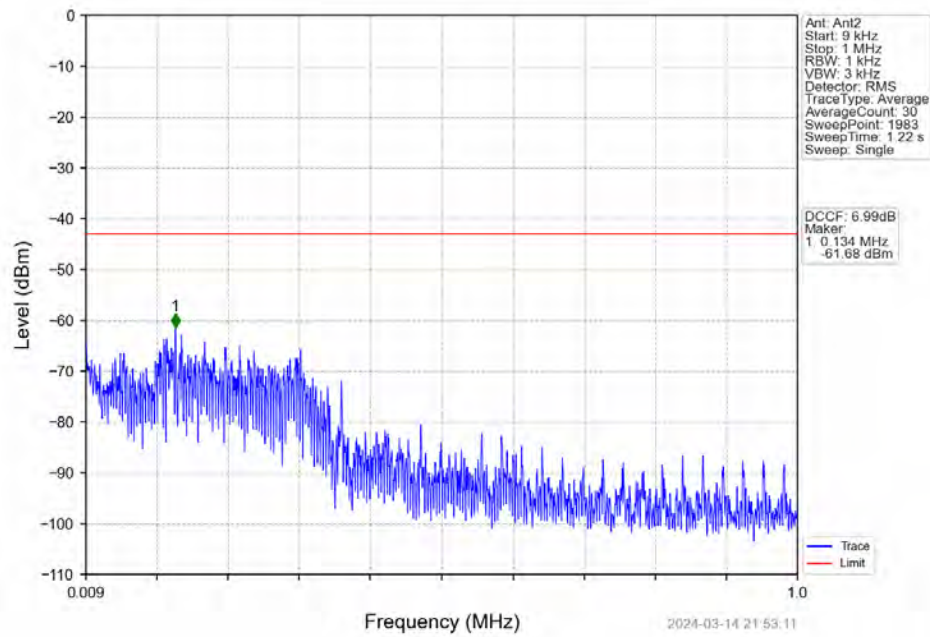
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2595MHz Edge 1RB Left



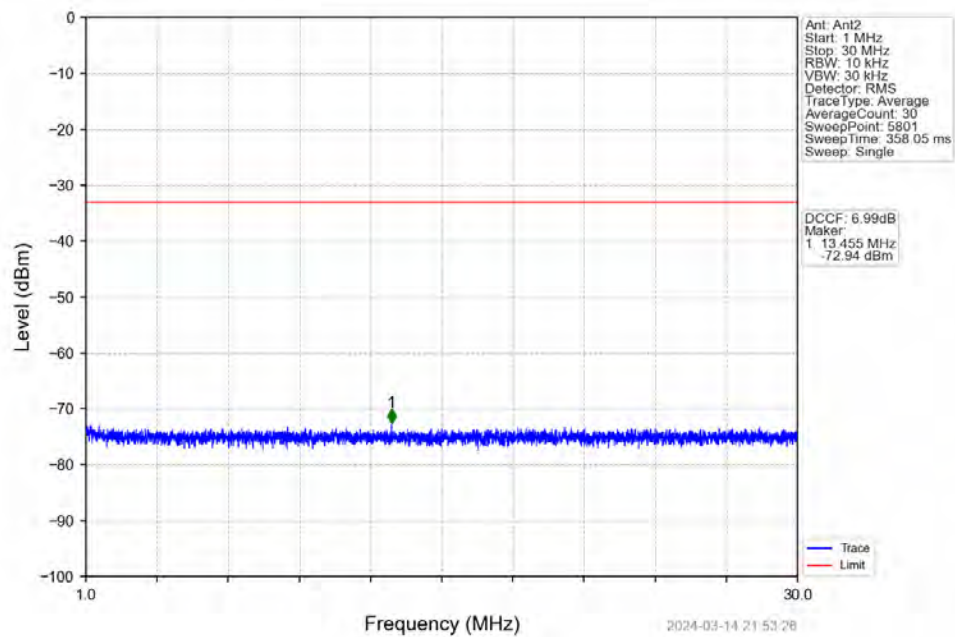
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2610MHz Edge 1RB Right



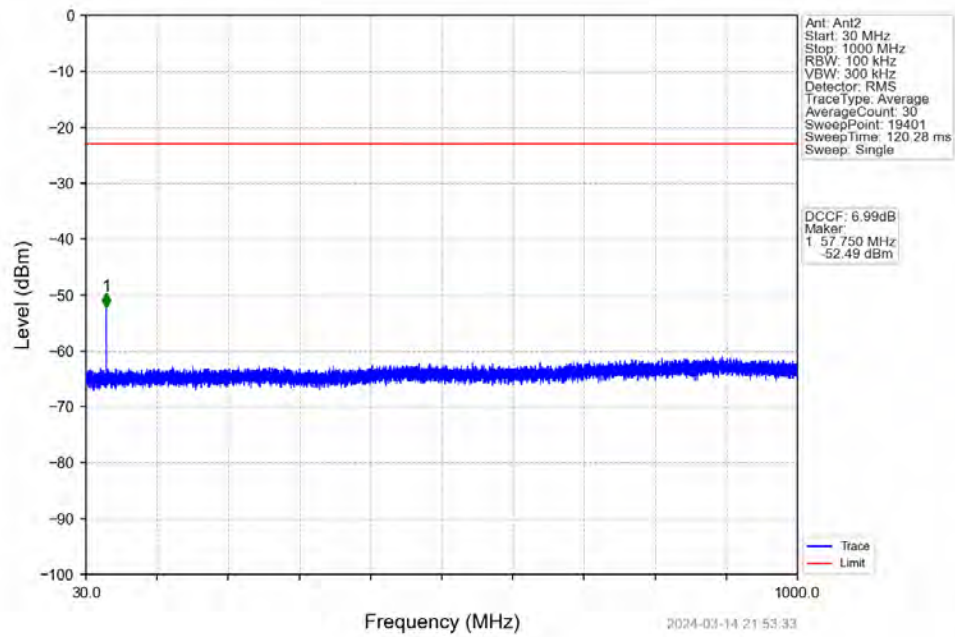
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2610MHz Edge 1RB Right



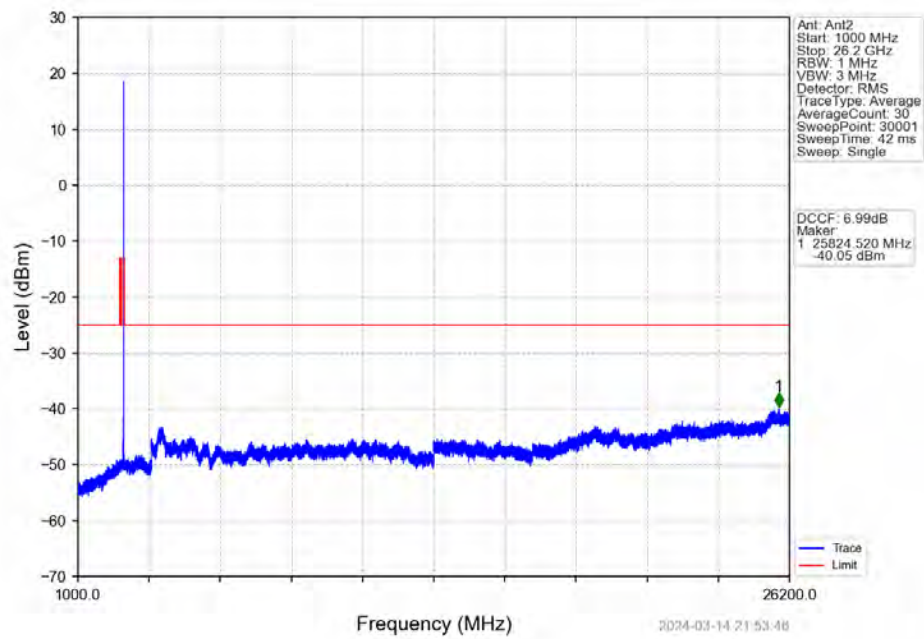
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2610MHz Edge 1RB Right



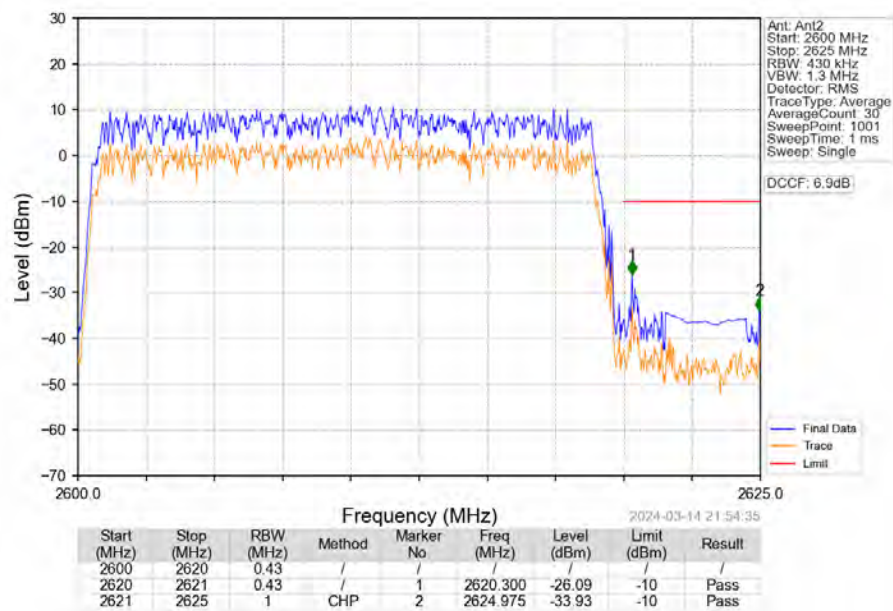
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2610MHz Edge 1RB Right



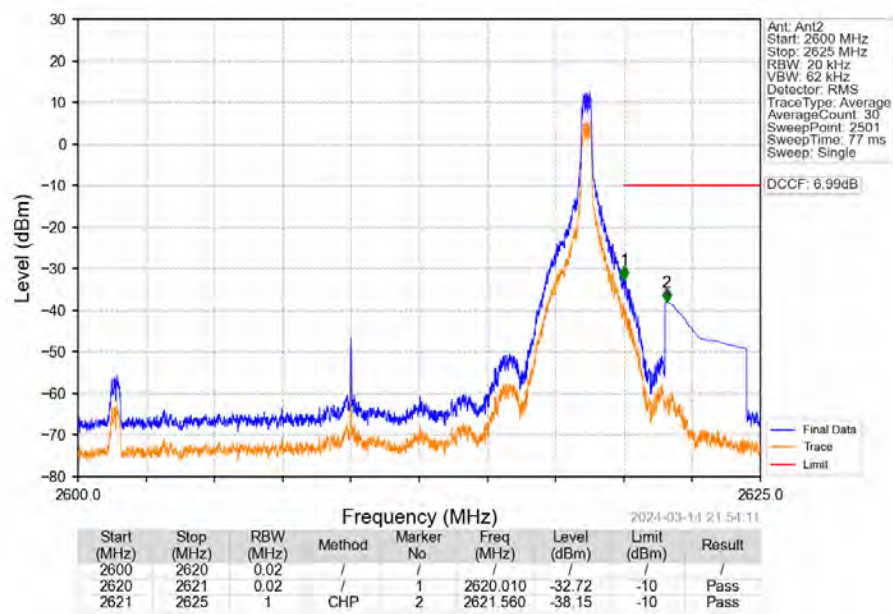
n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2610MHz Edge 1RB Right



n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2610MHz Outer Full



n38 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 2610MHz Inner 1RB Right

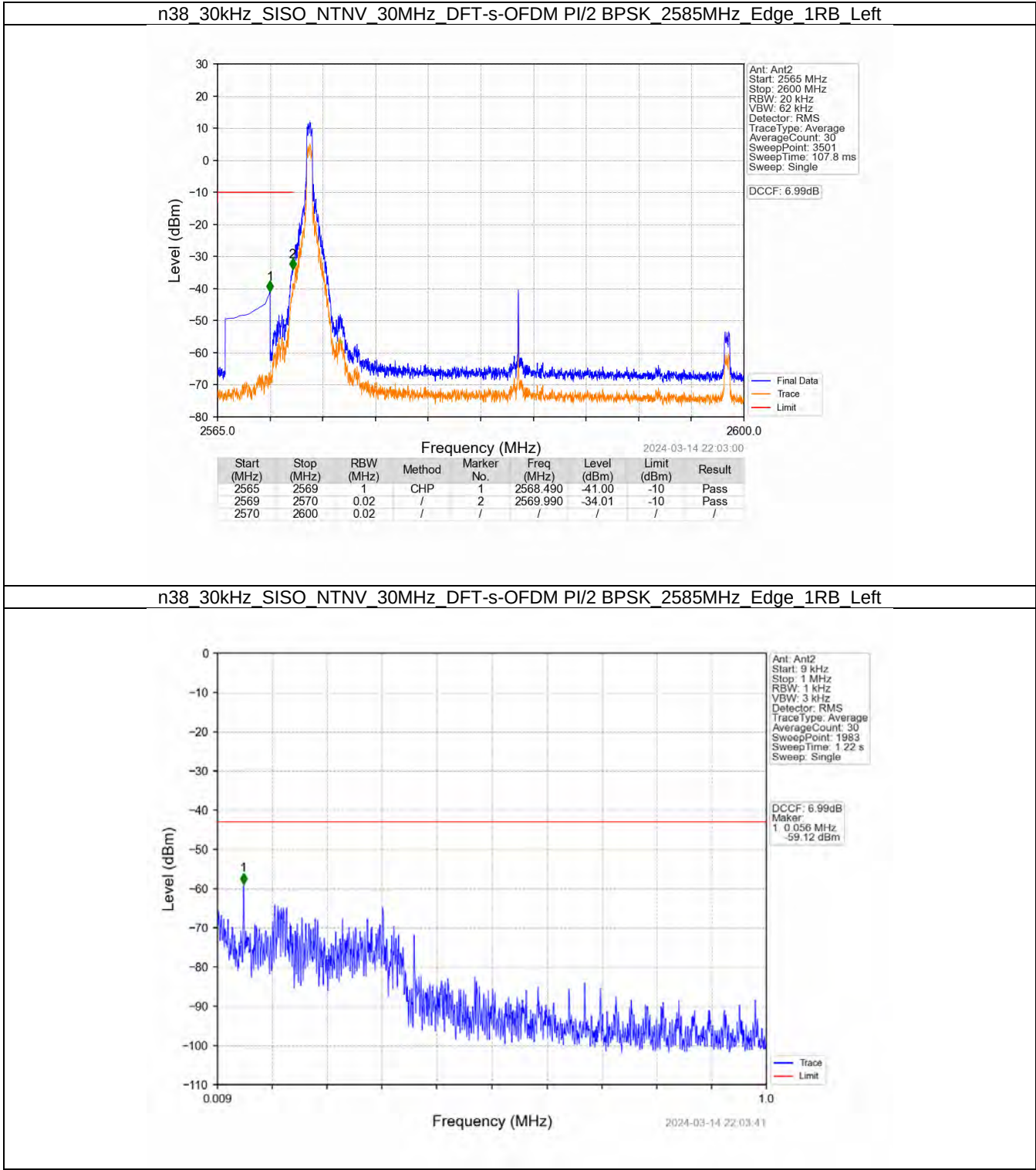


5.2 30k_SISO_30MHz_NTNV

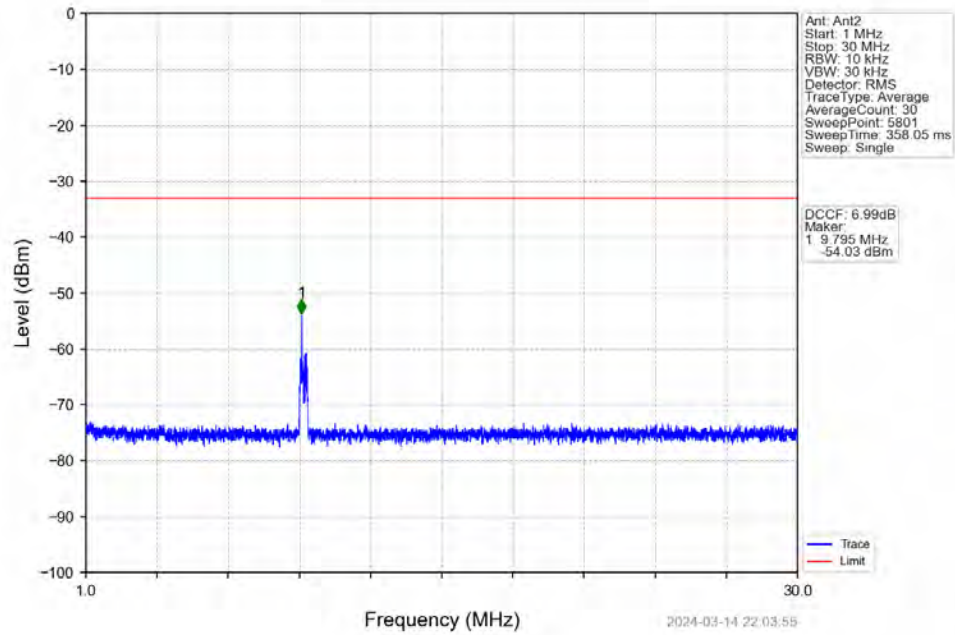
5.2.1 Test Result

5G NR n38 SCS=30kHz SISO 30MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant2	Ant2*	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	2585	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	2595	Edge_1RB_Left	Refer To Test Graph				Pass	
		2605	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	2585	Edge_1RB_Left	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Left			Refer To Test Graph				Pass	
2595		Edge_1RB_Left	Refer To Test Graph				Pass	
		2605	Edge_1RB_Right	Refer To Test Graph				Pass
Outer_Full			Refer To Test Graph				Pass	
Inner_1RB_Right			Refer To Test Graph				Pass	

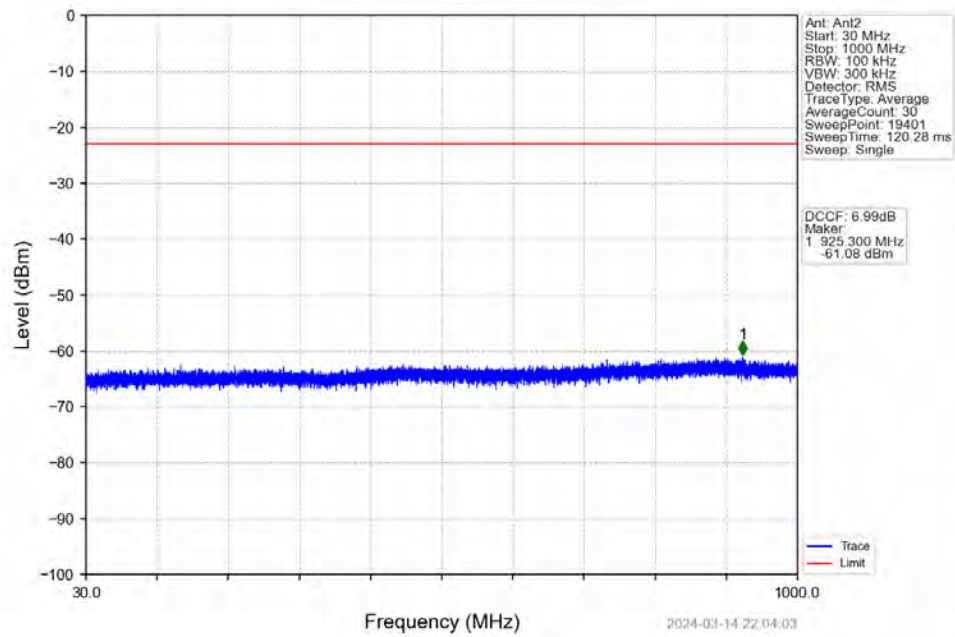
5.2.2 Test Graph



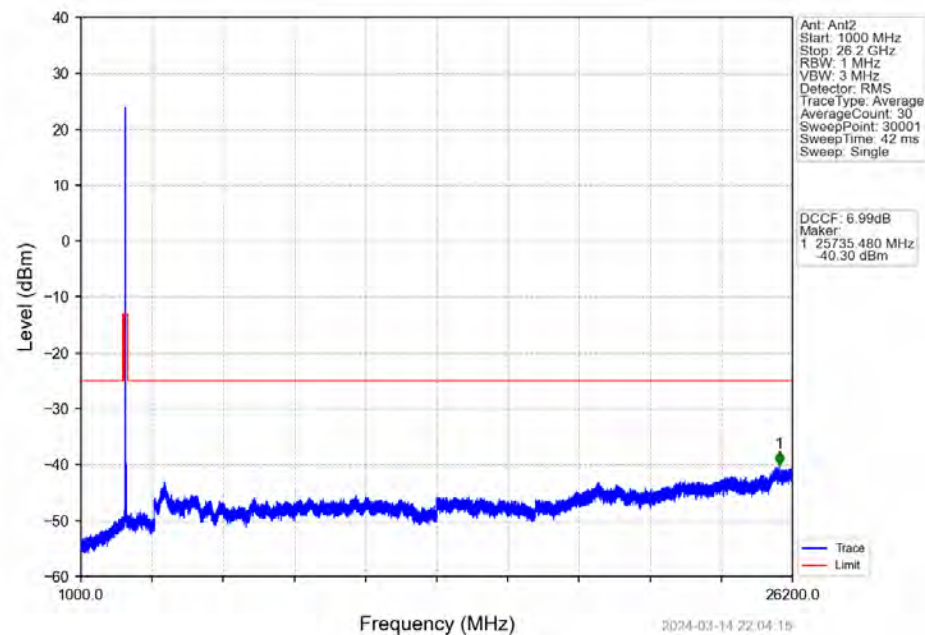
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2585MHz Edge 1RB Left



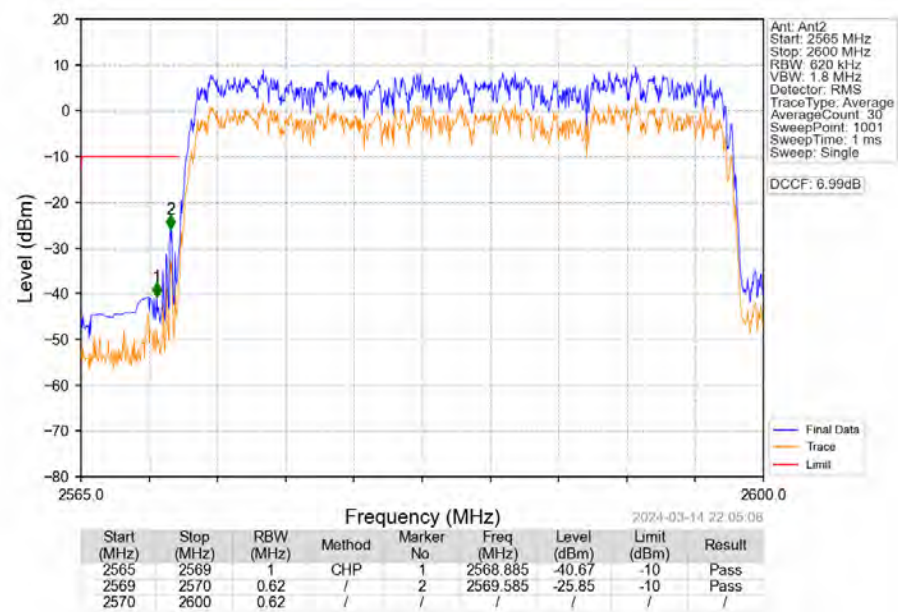
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2585MHz Edge 1RB Left



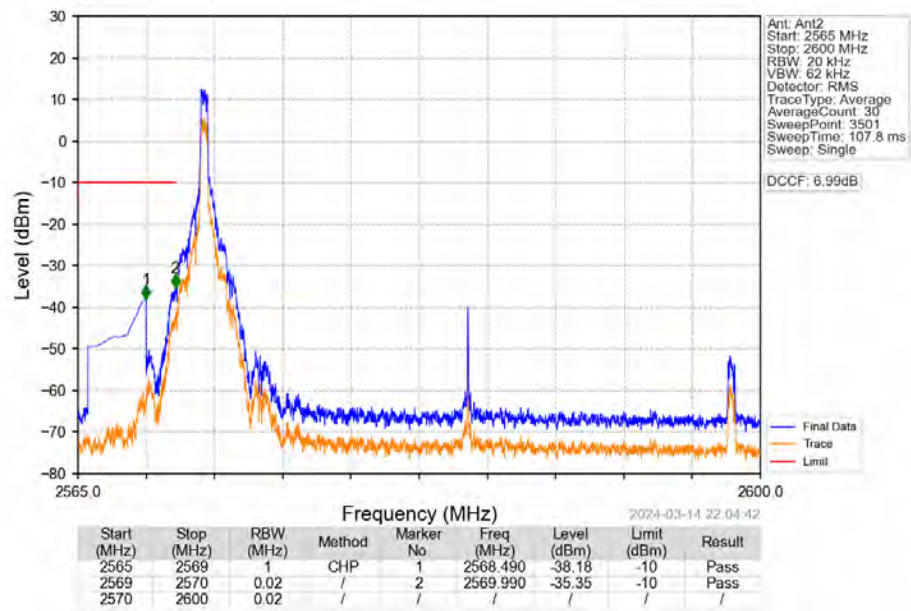
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2585MHz Edge 1RB Left



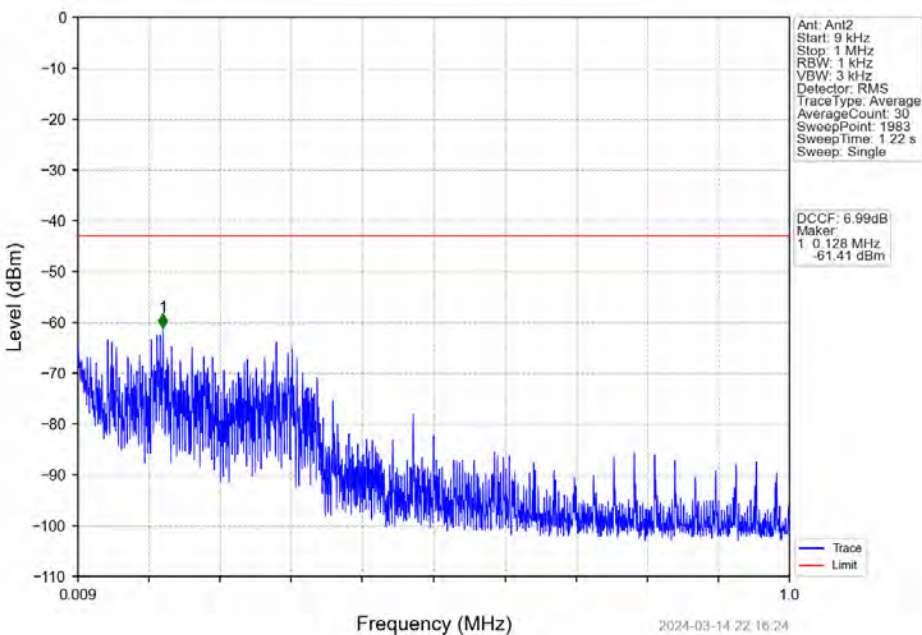
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2585MHz Outer Full



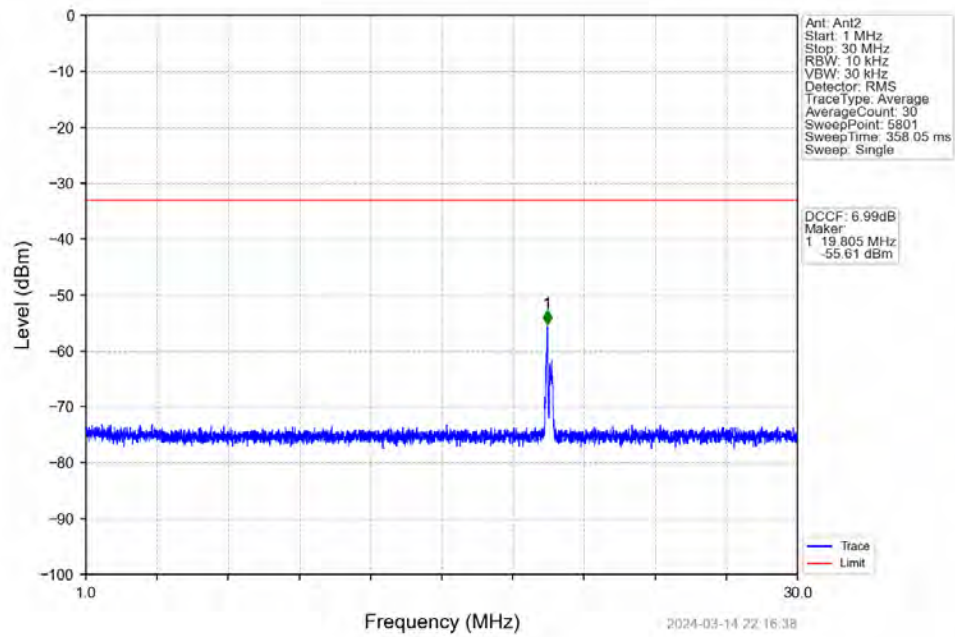
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2585MHz Inner 1RB Left



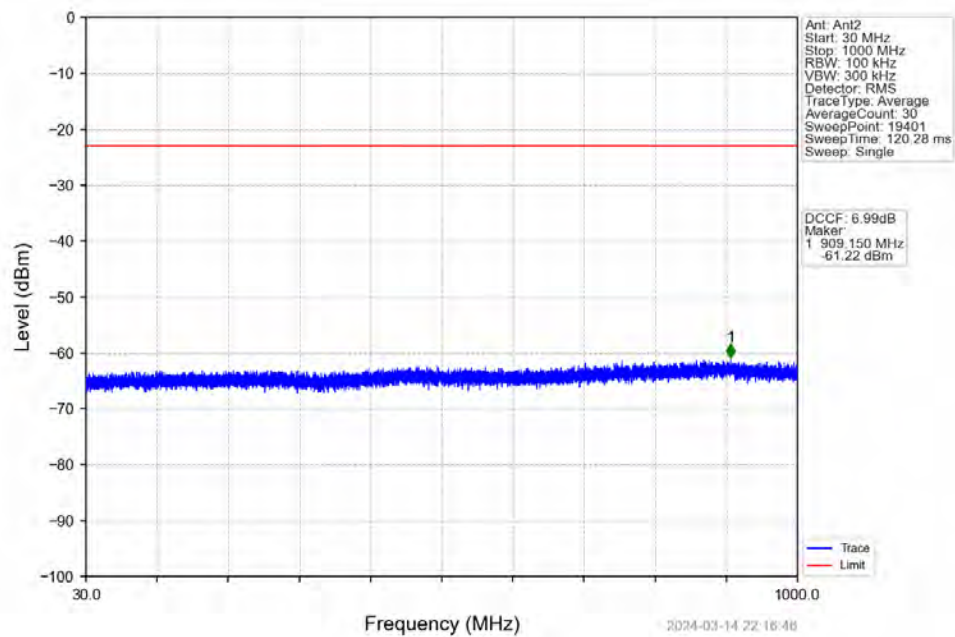
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



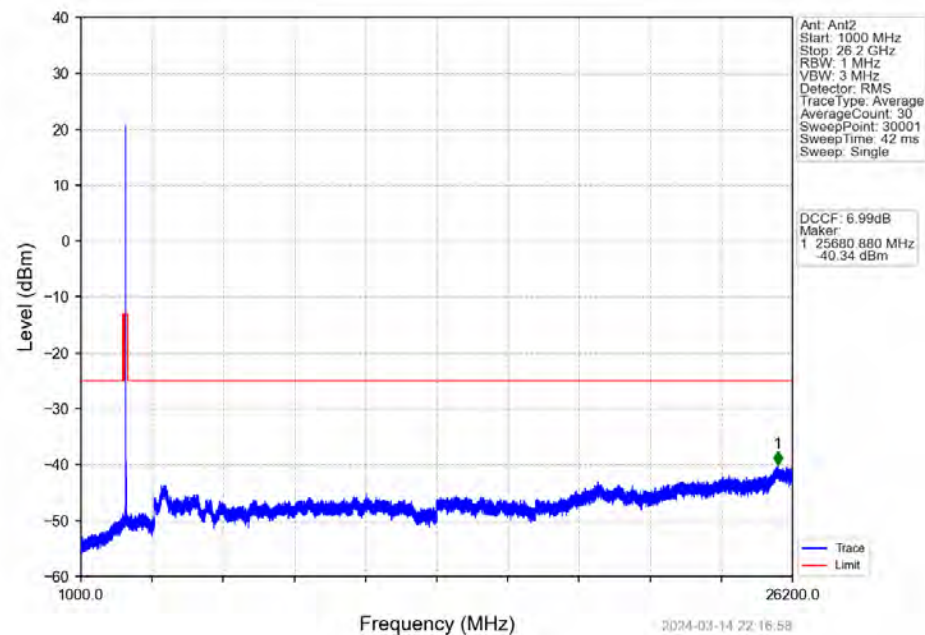
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



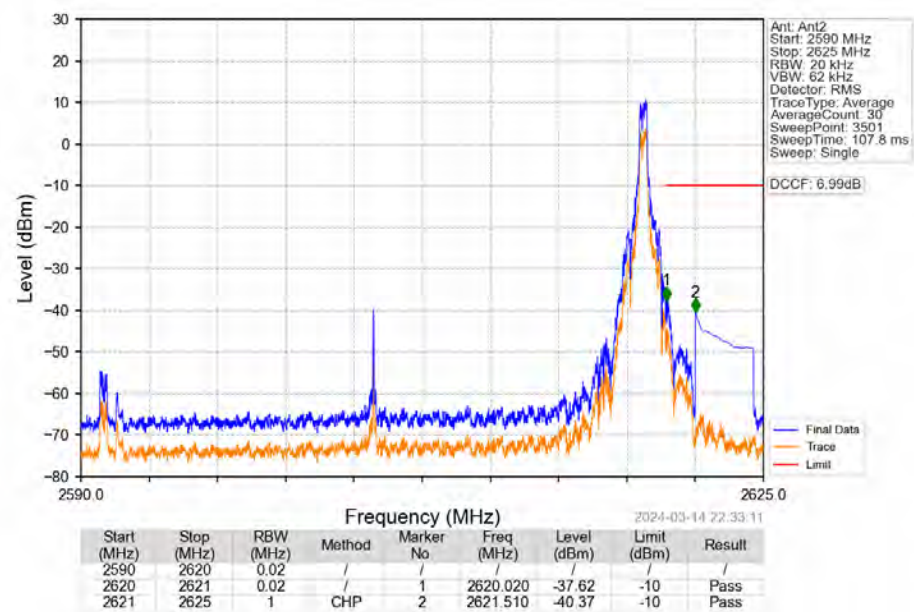
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



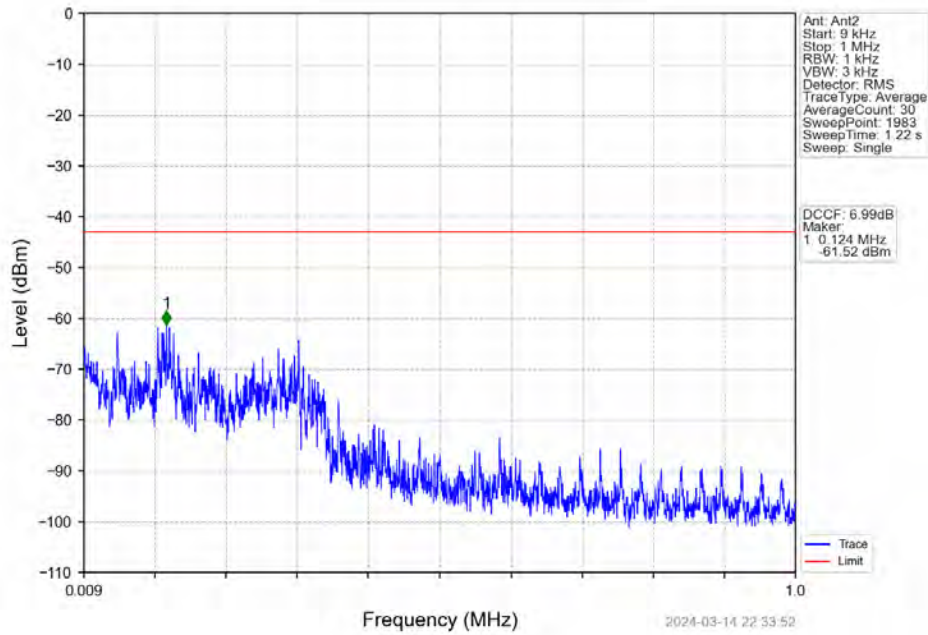
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



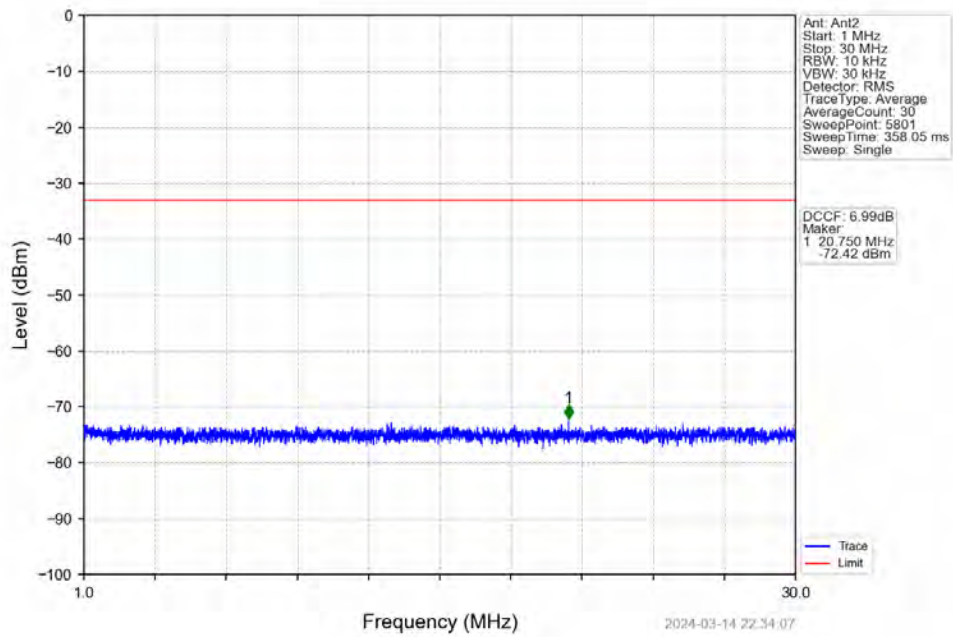
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2605MHz Edge 1RB Right



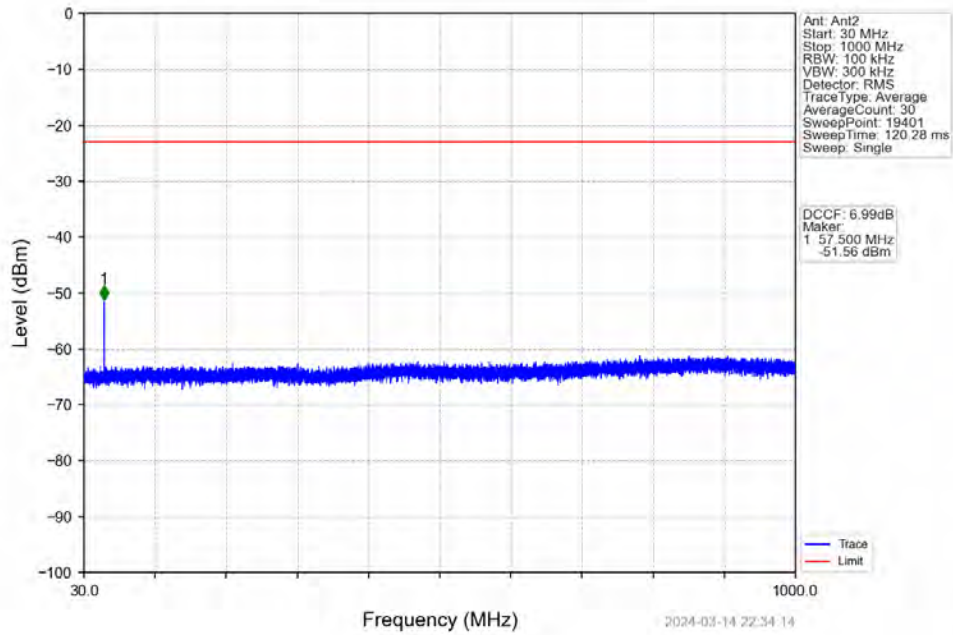
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2605MHz Edge 1RB Right



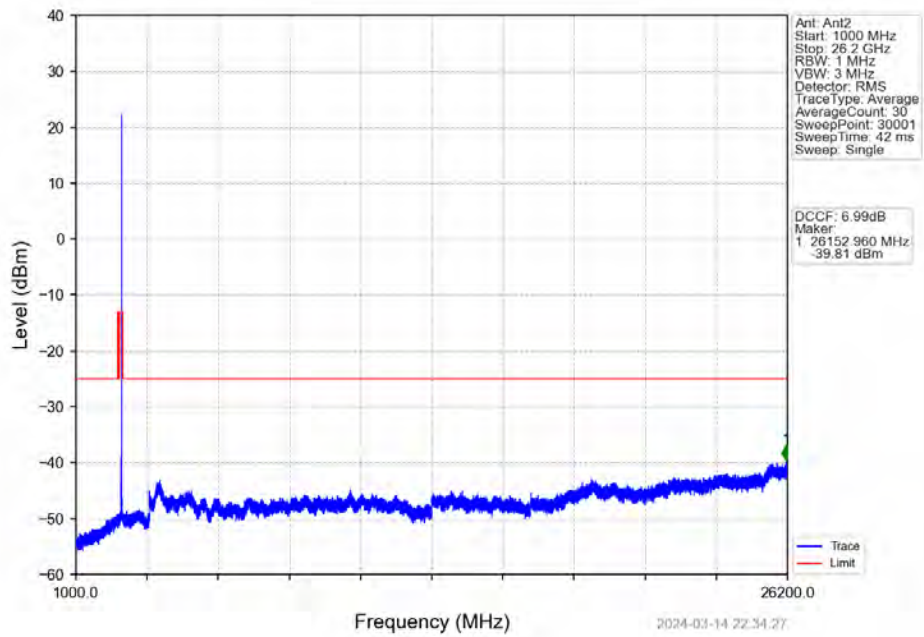
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2605MHz Edge 1RB Right



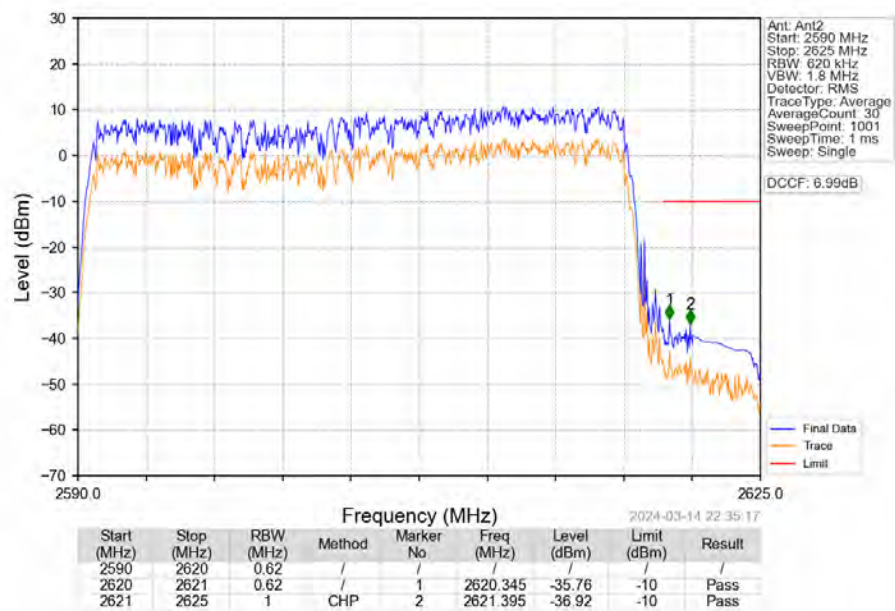
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2605MHz Edge 1RB Right



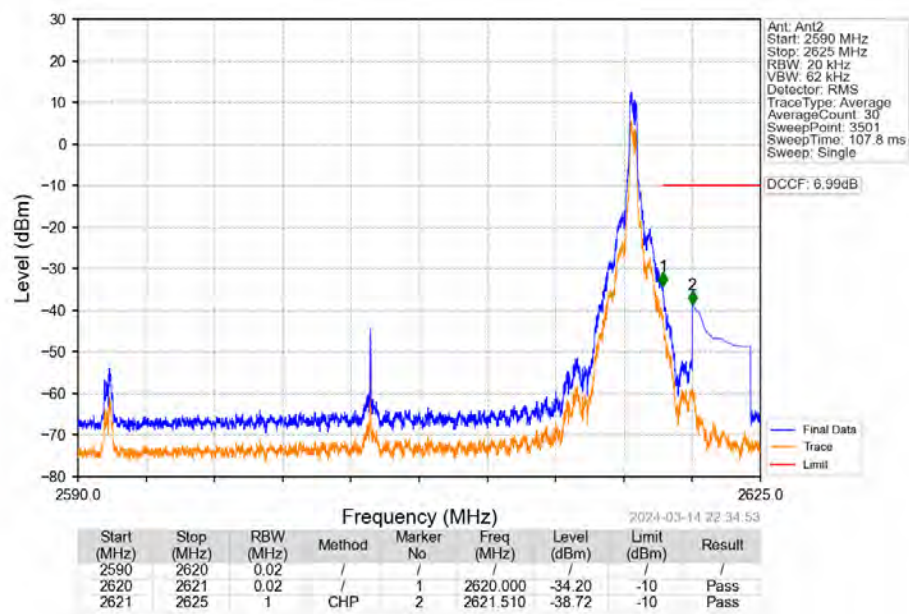
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2605MHz Edge 1RB Right



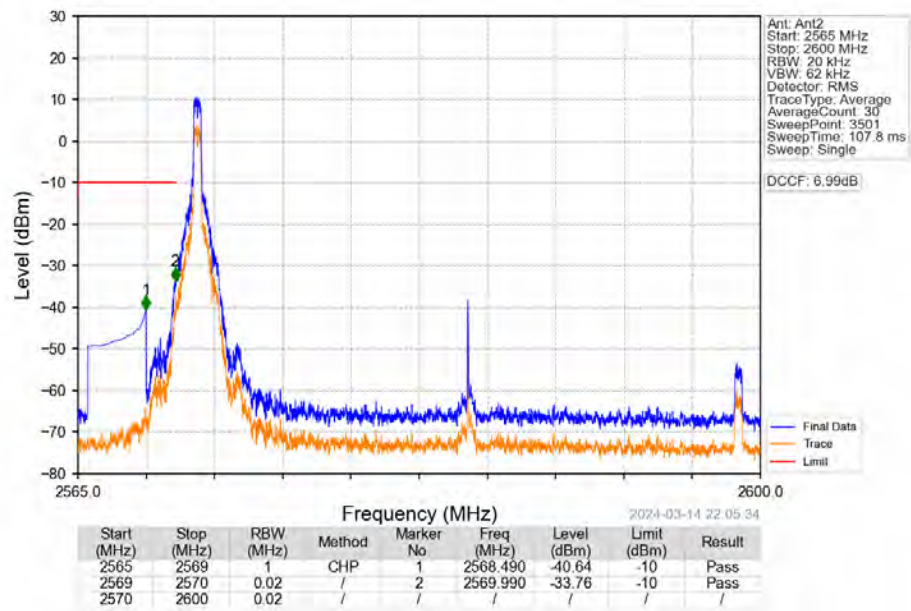
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2605MHz Outer Full



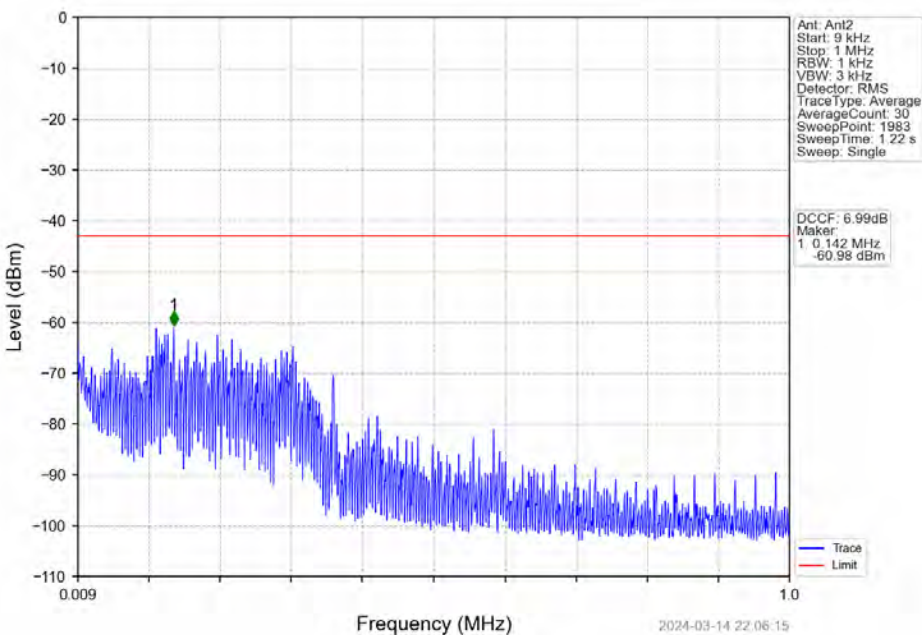
n38 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 2605MHz Inner 1RB Right



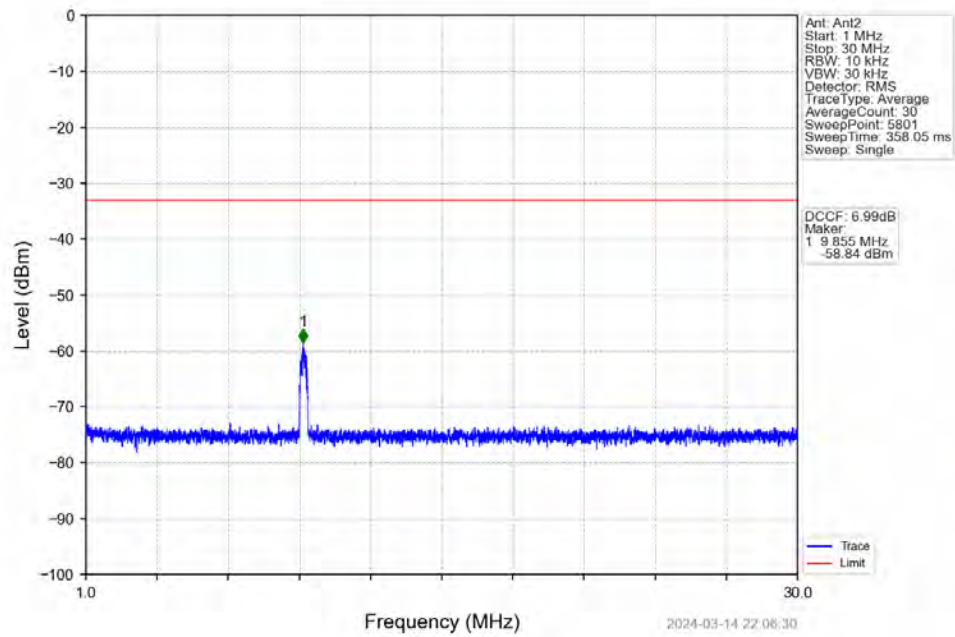
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2585MHz Edge 1RB Left



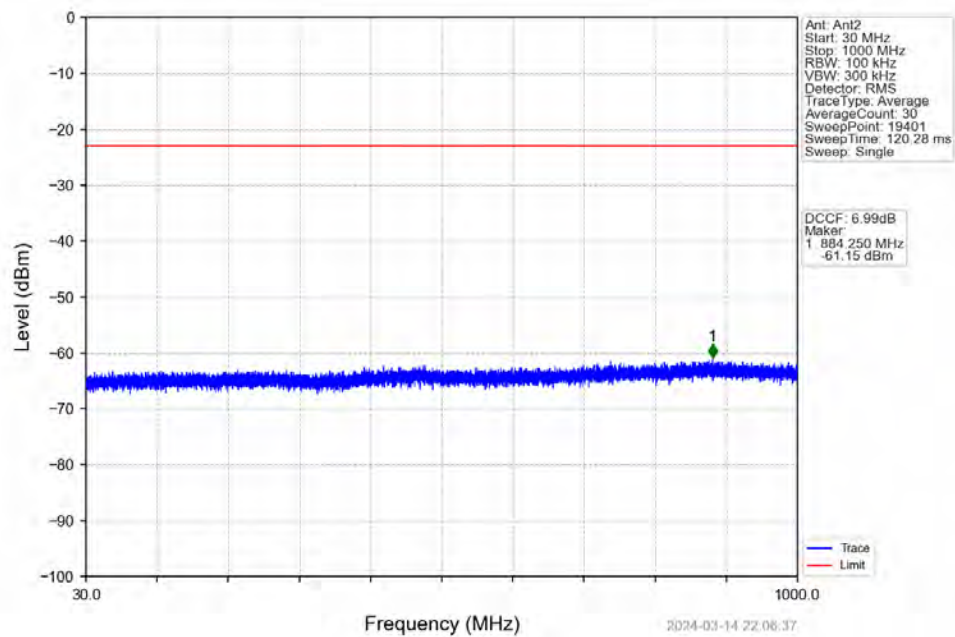
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2585MHz Edge 1RB Left



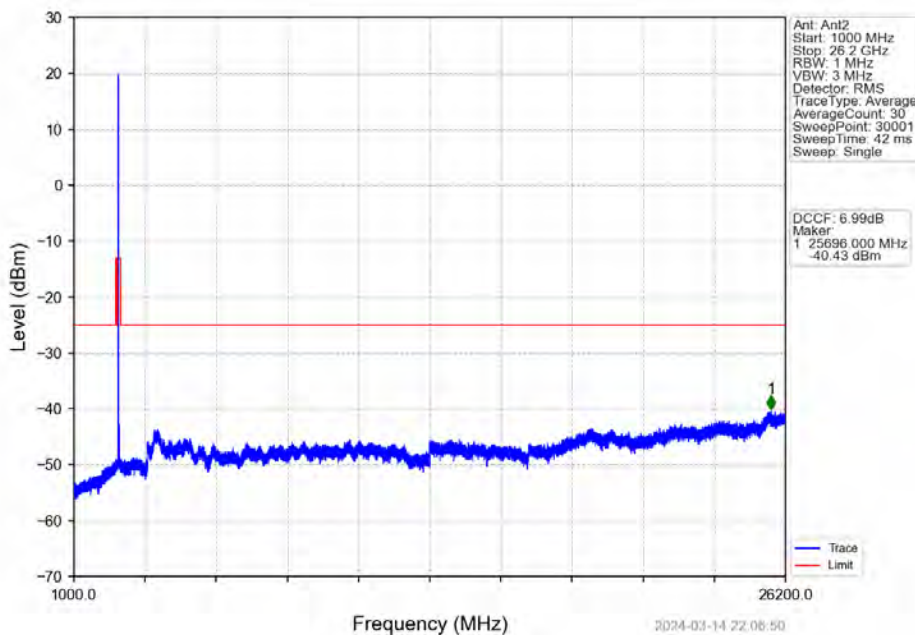
n38_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_2585MHz_Edge_1RB_Left



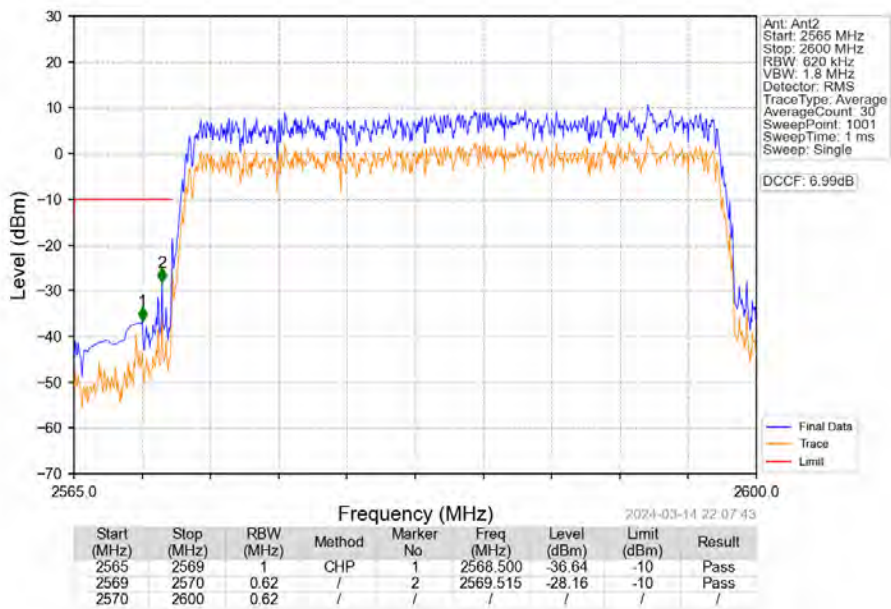
n38_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_2585MHz_Edge_1RB_Left



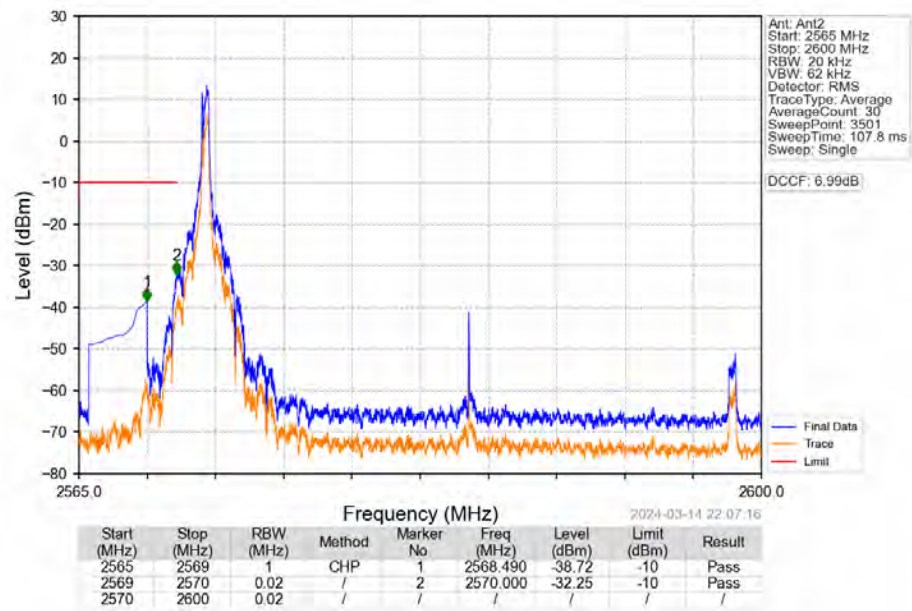
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2585MHz Edge 1RB Left



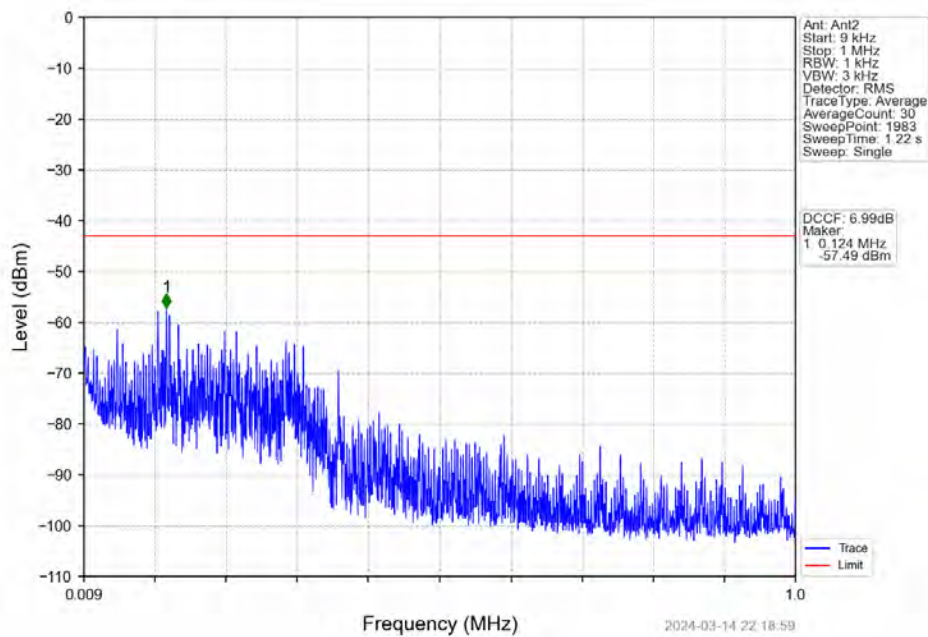
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2585MHz Outer Full



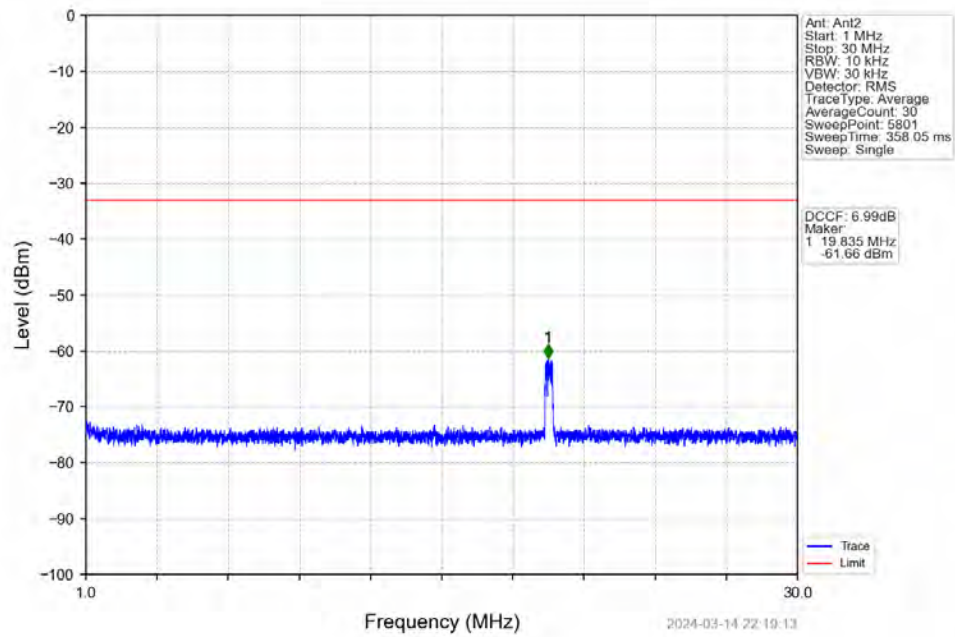
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2585MHz Inner 1RB Left



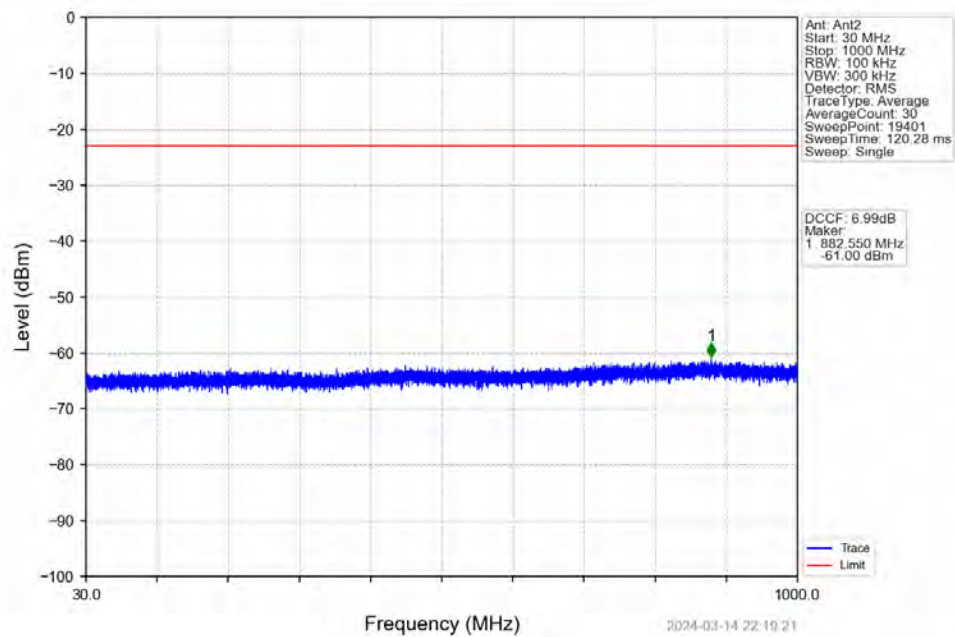
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2595MHz Edge 1RB Left



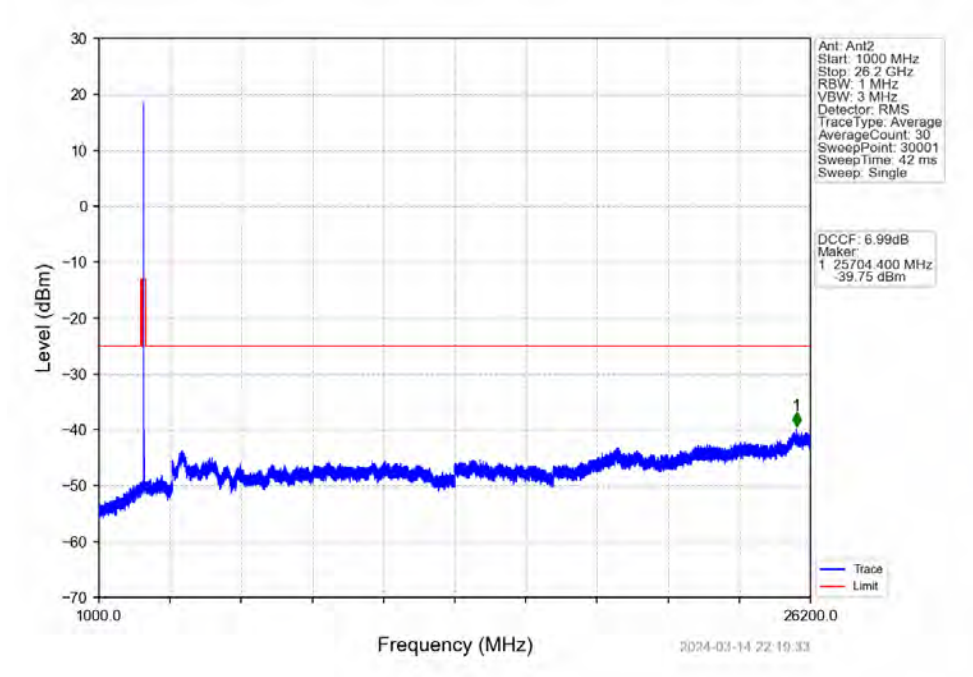
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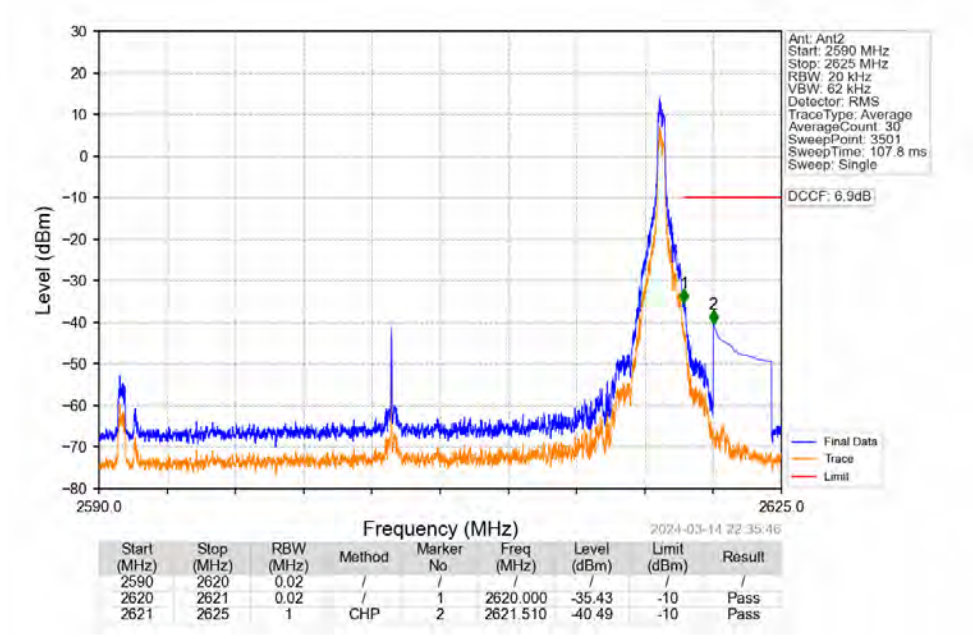
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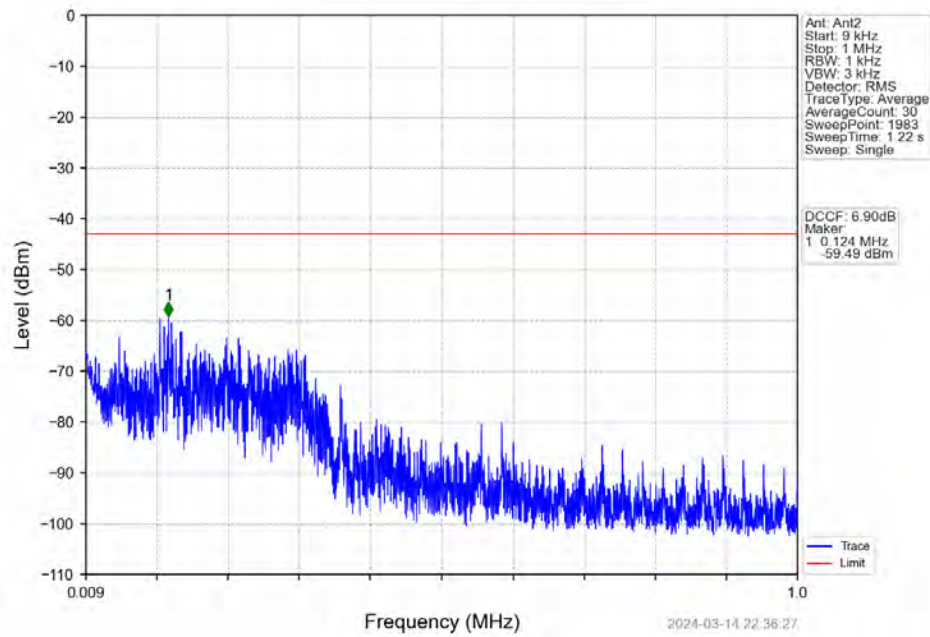
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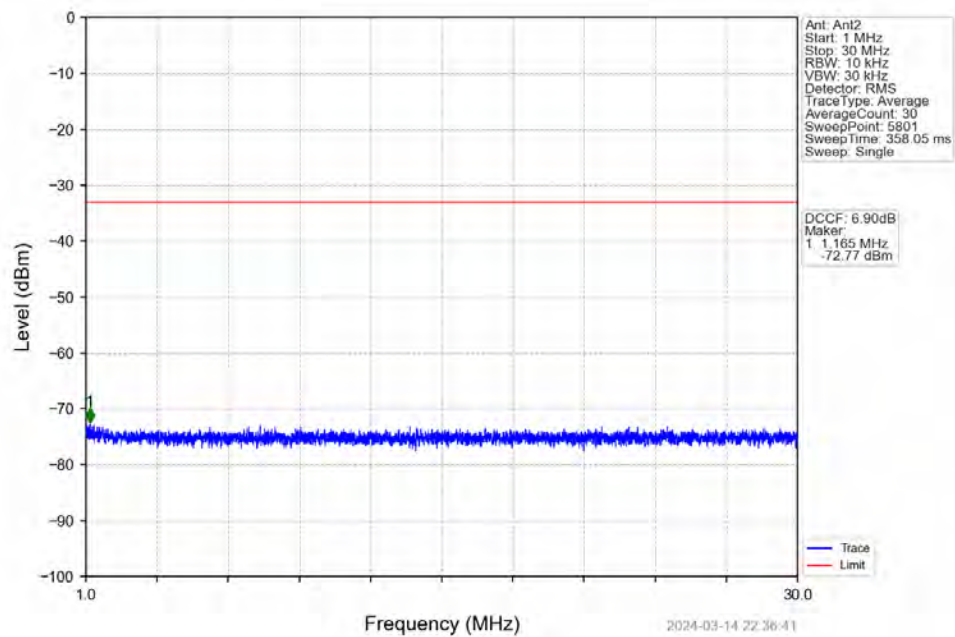
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2605MHz Edge 1RB Right



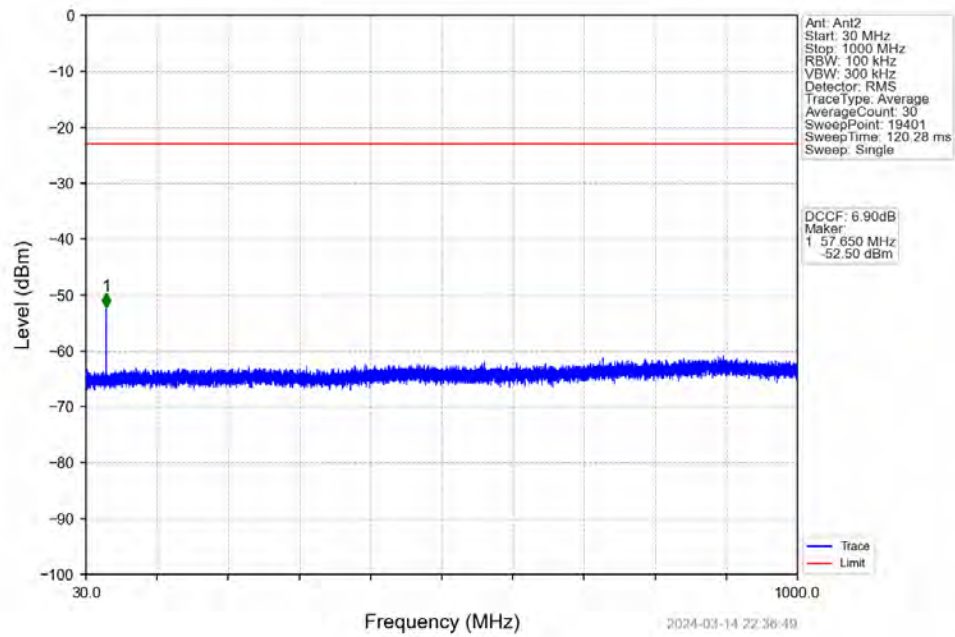
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2605MHz Edge 1RB Right



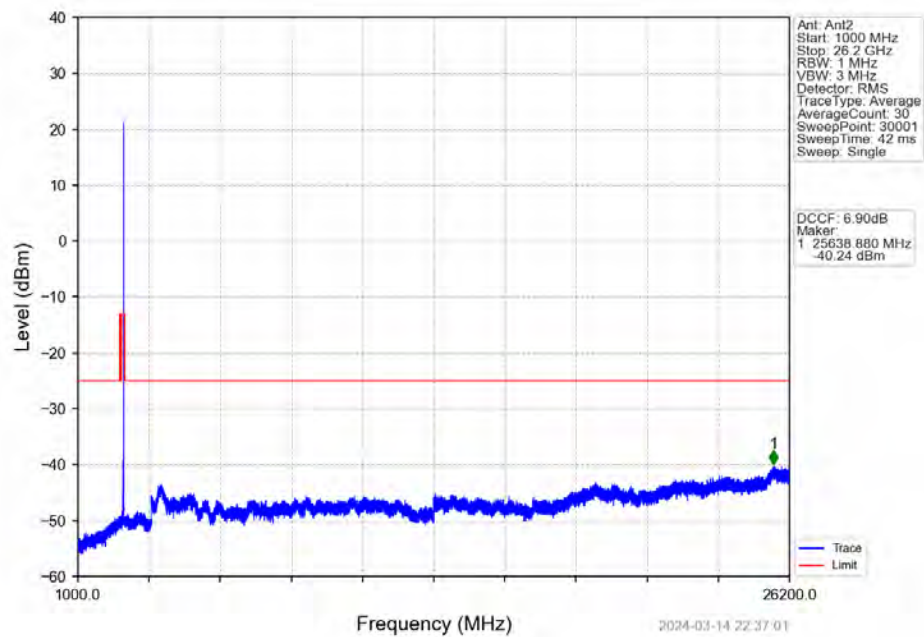
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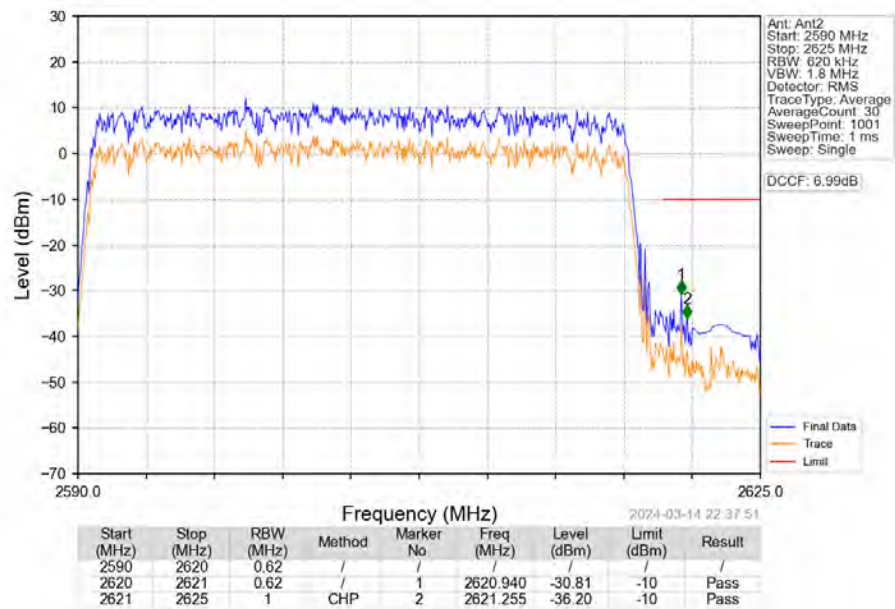
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2605MHz Edge 1RB Right



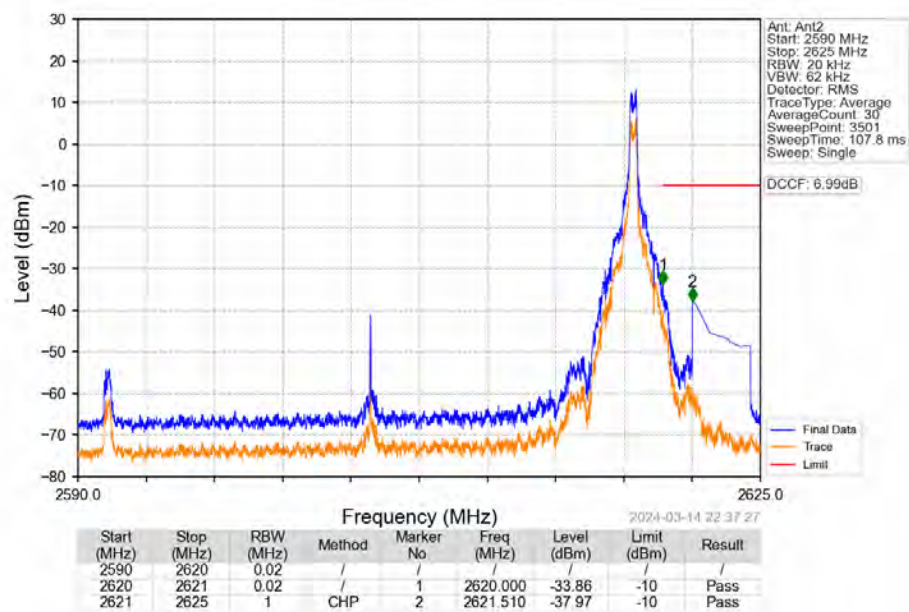
n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2605MHz Edge 1RB Right



n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2605MHz Outer Full



n38 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 2605MHz Inner 1RB Right

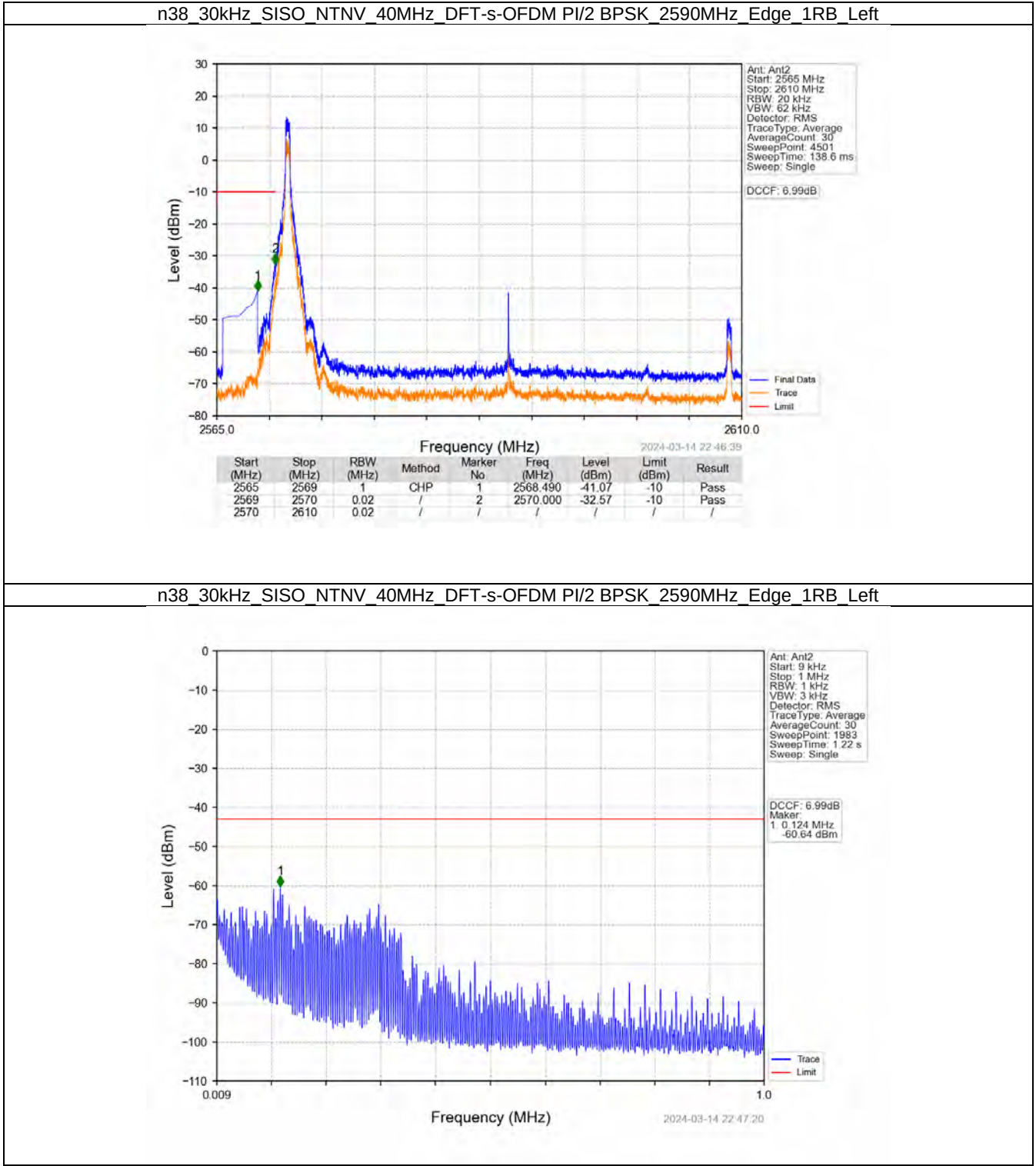


5.3 30k_SISO_40MHz_NTNV

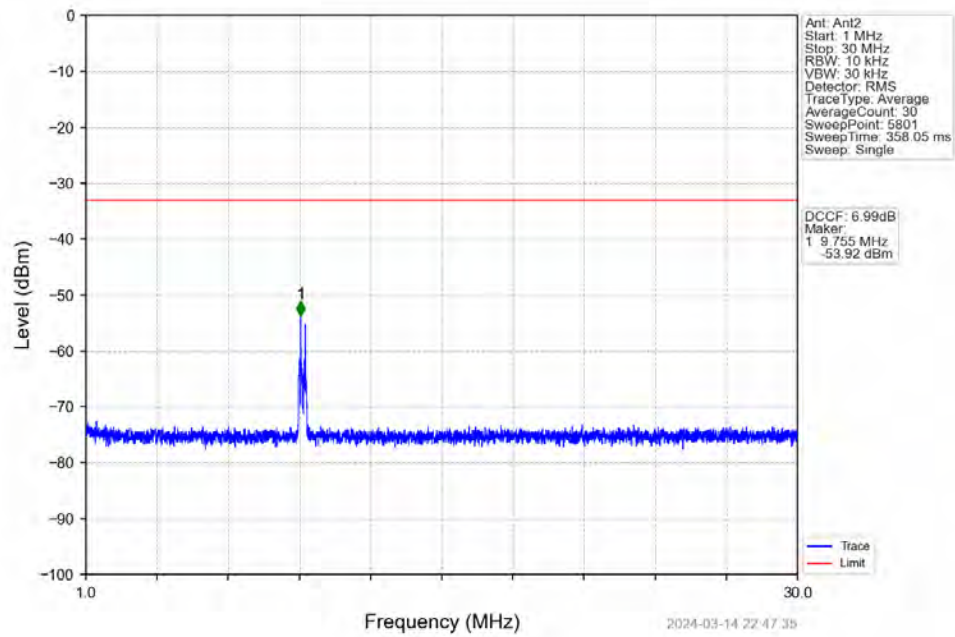
5.3.1 Test Result

5G NR n38 SCS=30kHz SISO 40MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant2	Ant2*	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	2590	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	2595	Edge_1RB_Left	Refer To Test Graph				Pass	
		2600	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	2590	Edge_1RB_Left	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Left			Refer To Test Graph				Pass	
2595		Edge_1RB_Left	Refer To Test Graph				Pass	
		2600	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
Inner_1RB_Right	Refer To Test Graph				Pass			

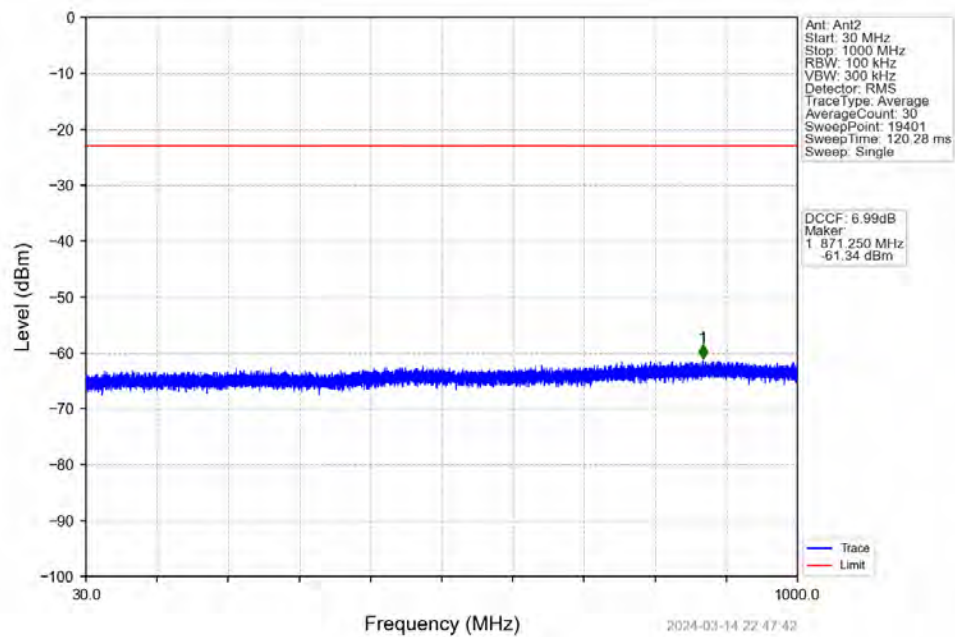
5.3.2 Test Graph



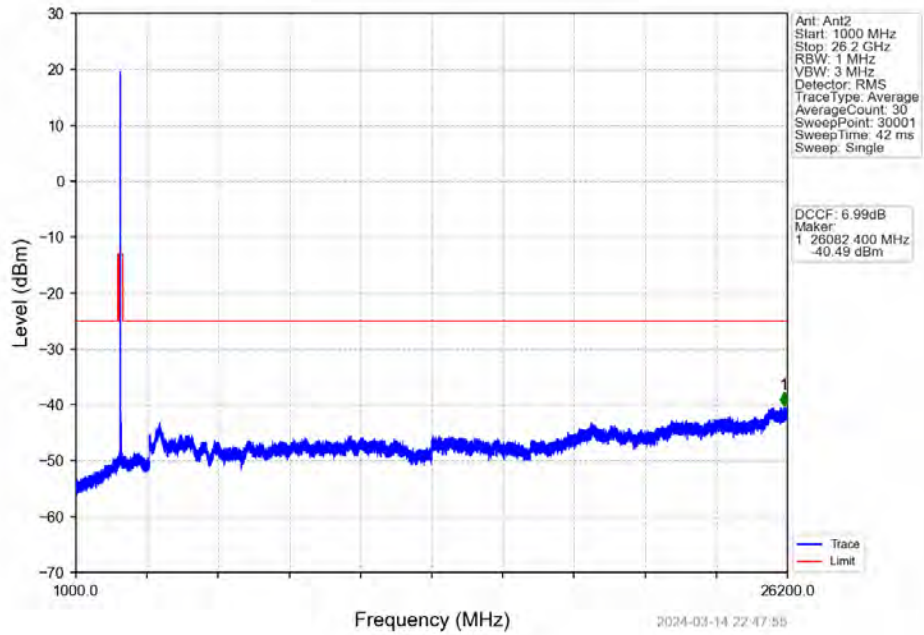
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2590MHz Edge 1RB Left



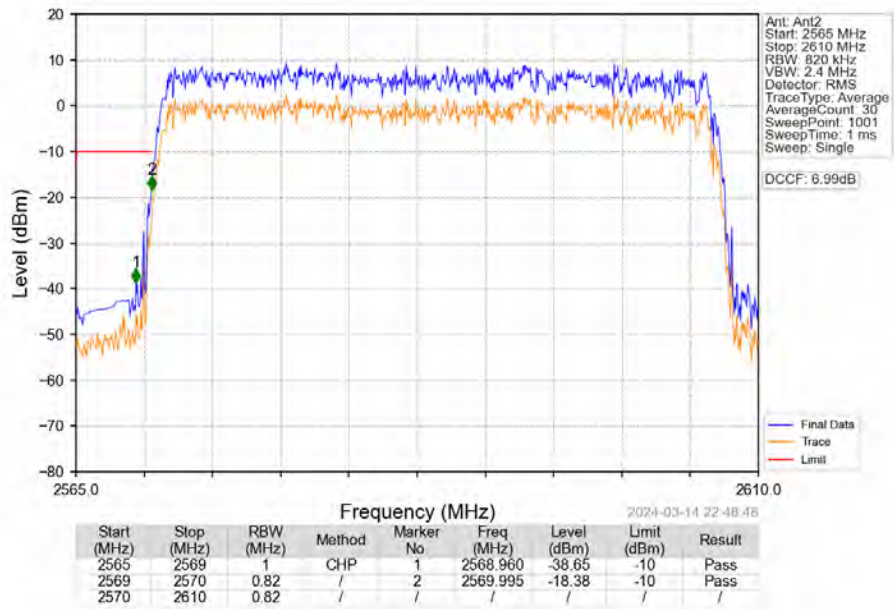
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2590MHz Edge 1RB Left



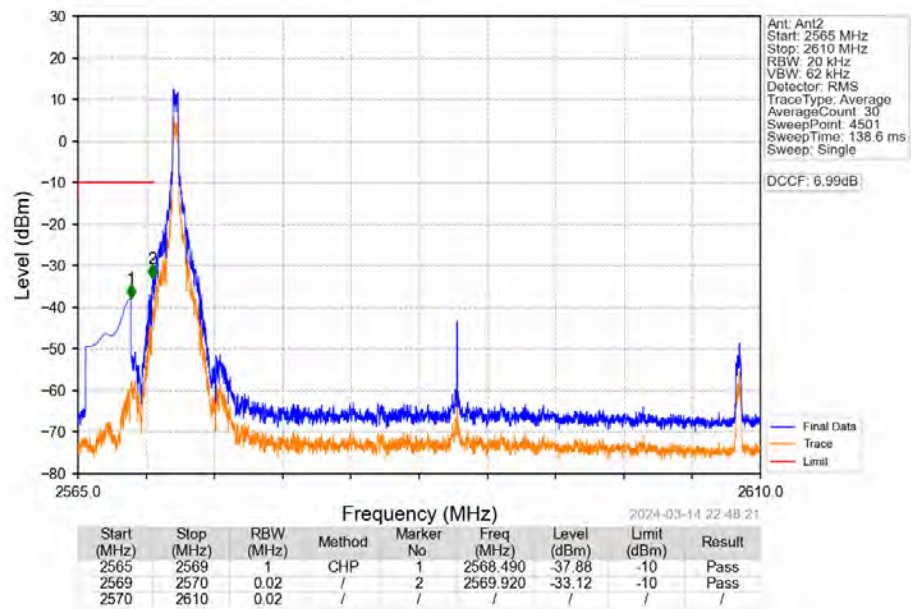
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2590MHz Edge 1RB Left



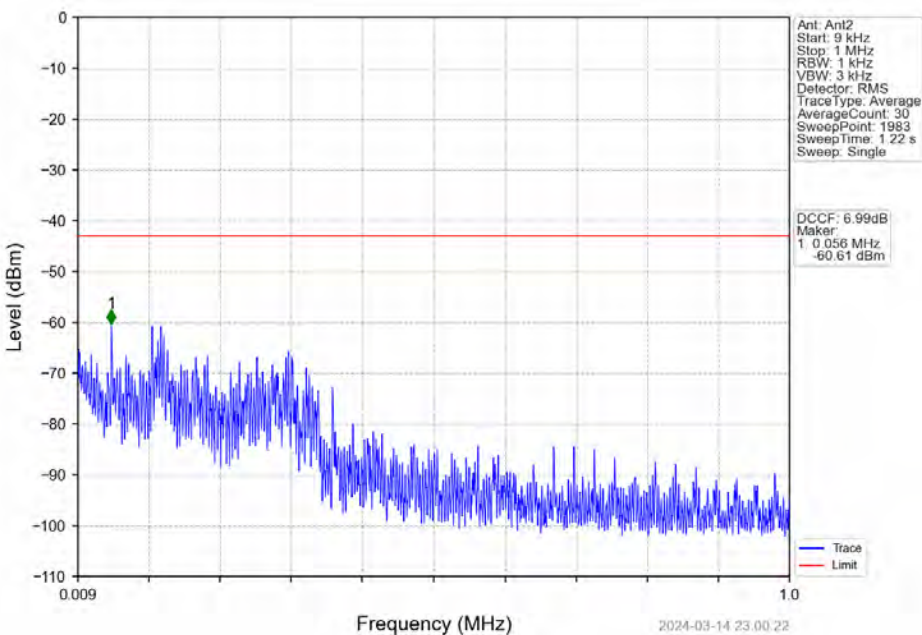
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2590MHz Outer Full



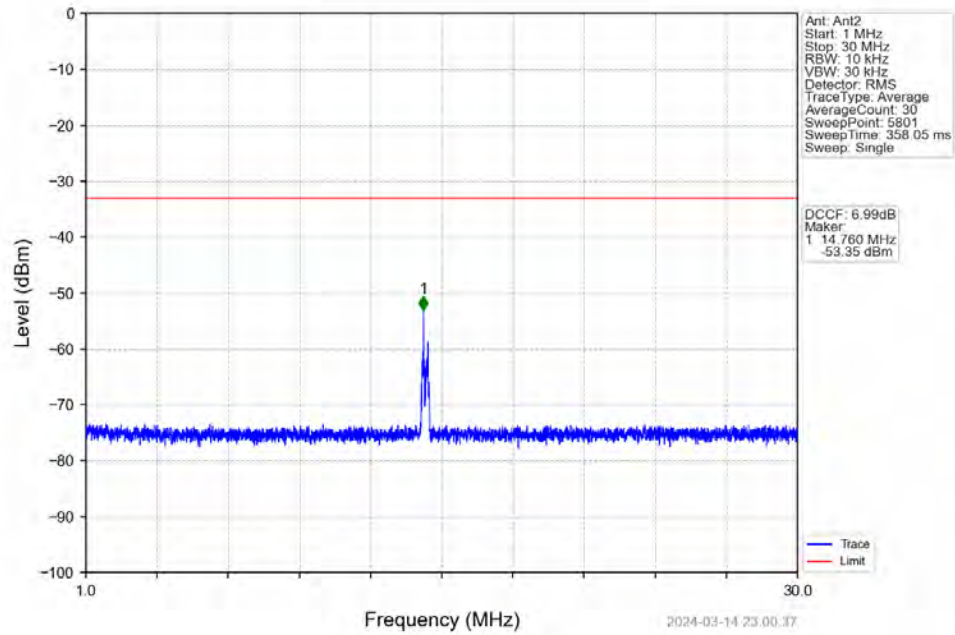
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2590MHz Inner 1RB Left



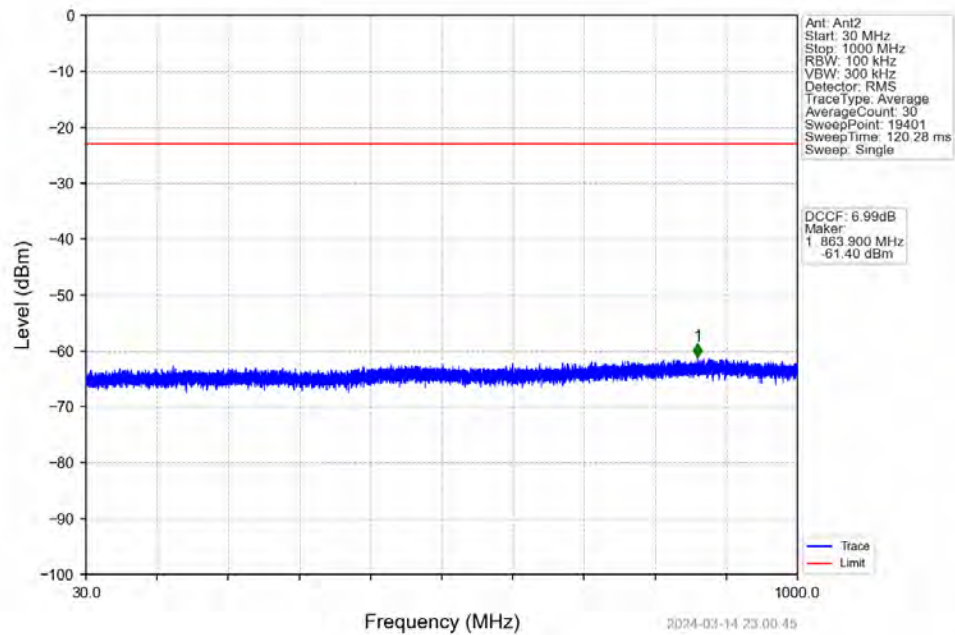
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



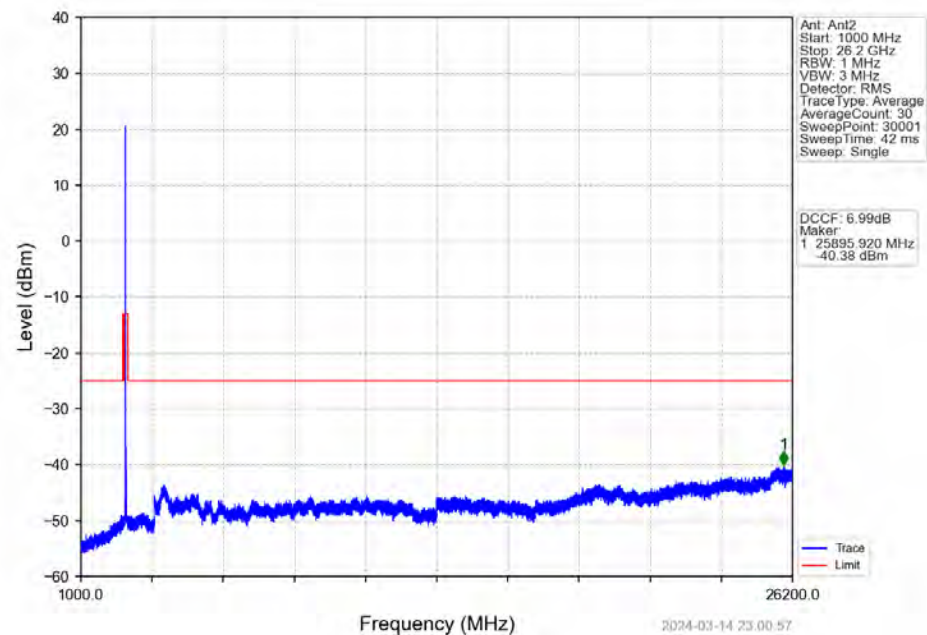
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



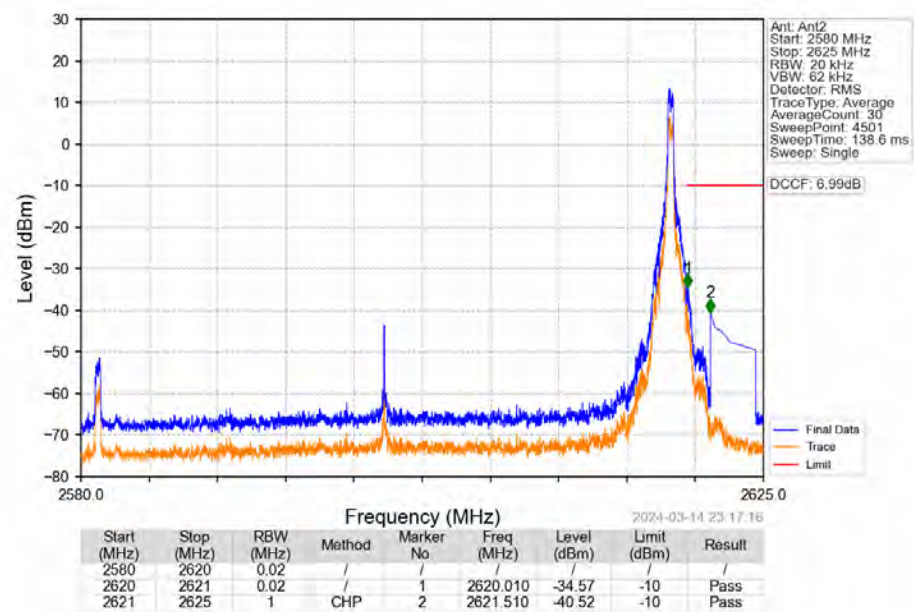
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



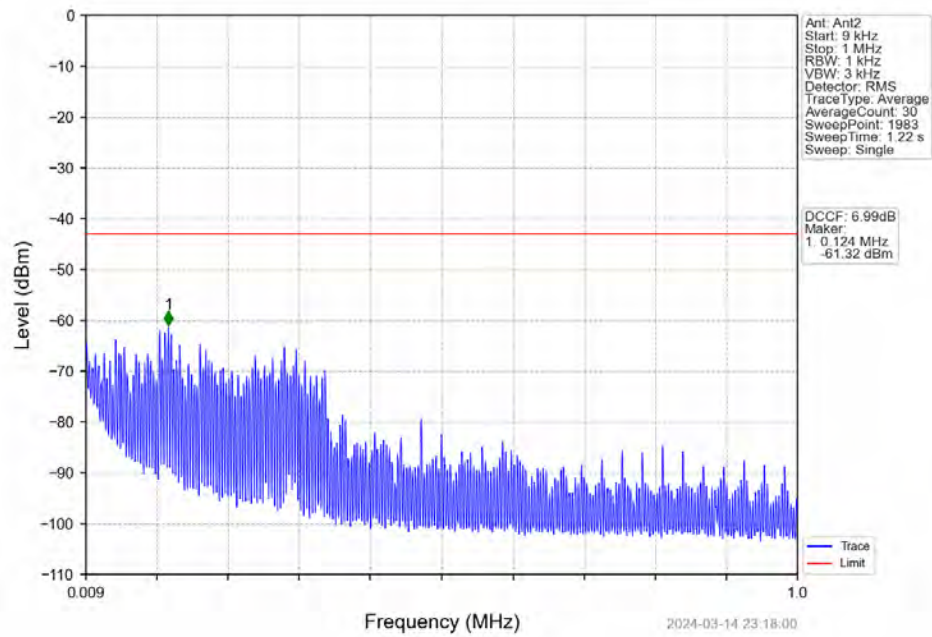
n38 30kHz SISO NTV 40MHz DFT-s-OFDM PI/2 BPSK 2595MHz Edge 1RB Left



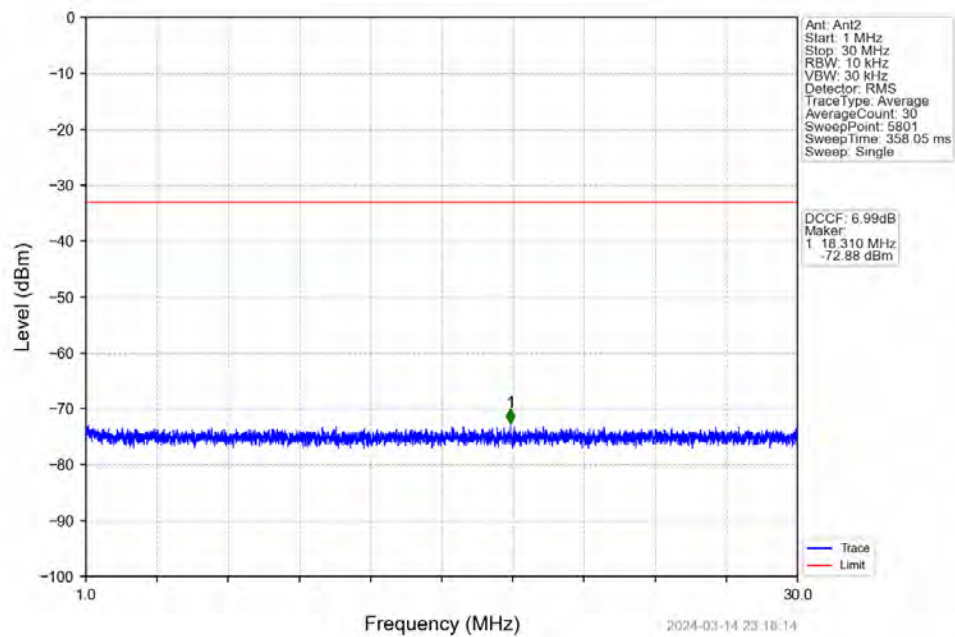
n38 30kHz SISO NTV 40MHz DFT-s-OFDM PI/2 BPSK 2600MHz Edge 1RB Right



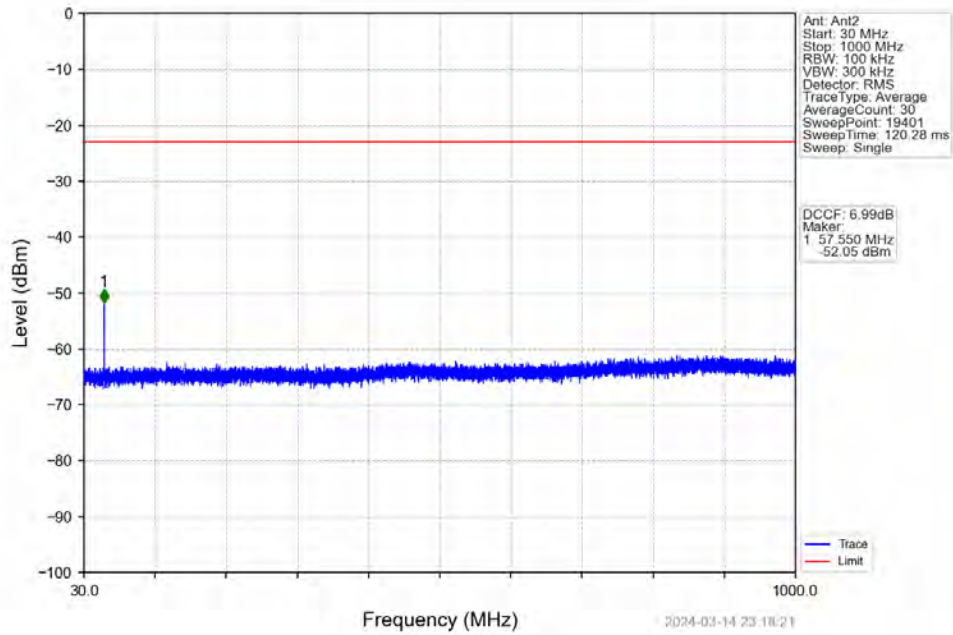
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2600MHz Edge 1RB Right



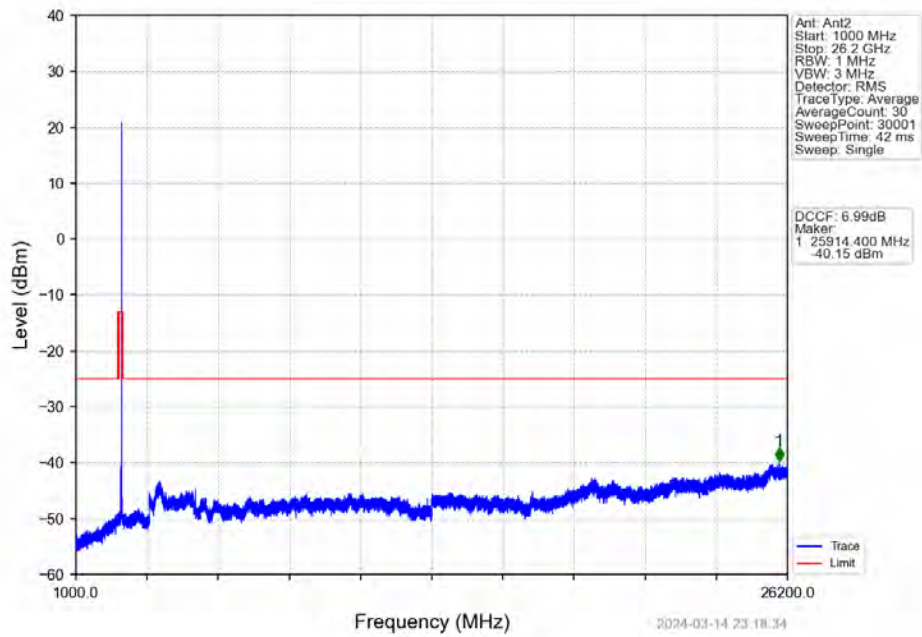
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2600MHz Edge 1RB Right



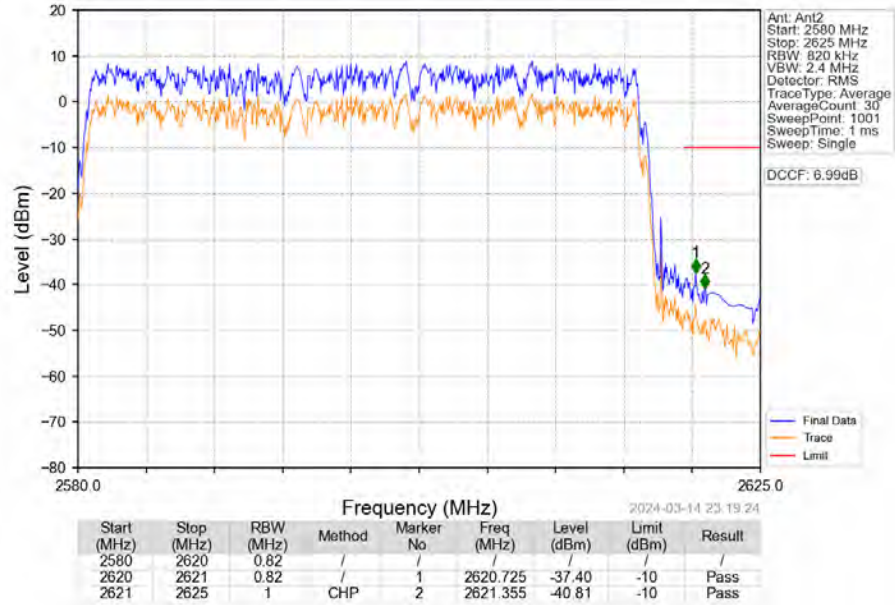
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2600MHz Edge 1RB Right



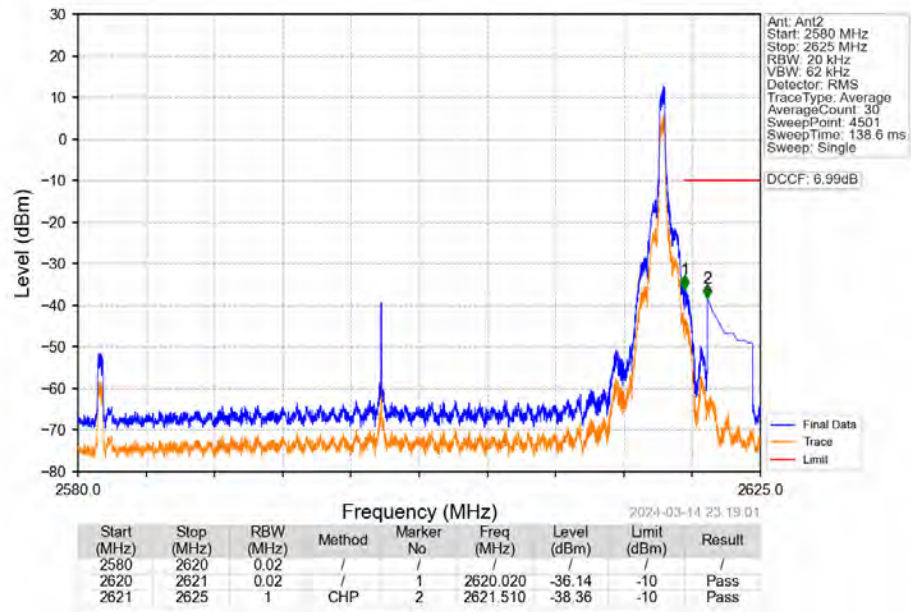
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2600MHz Edge 1RB Right



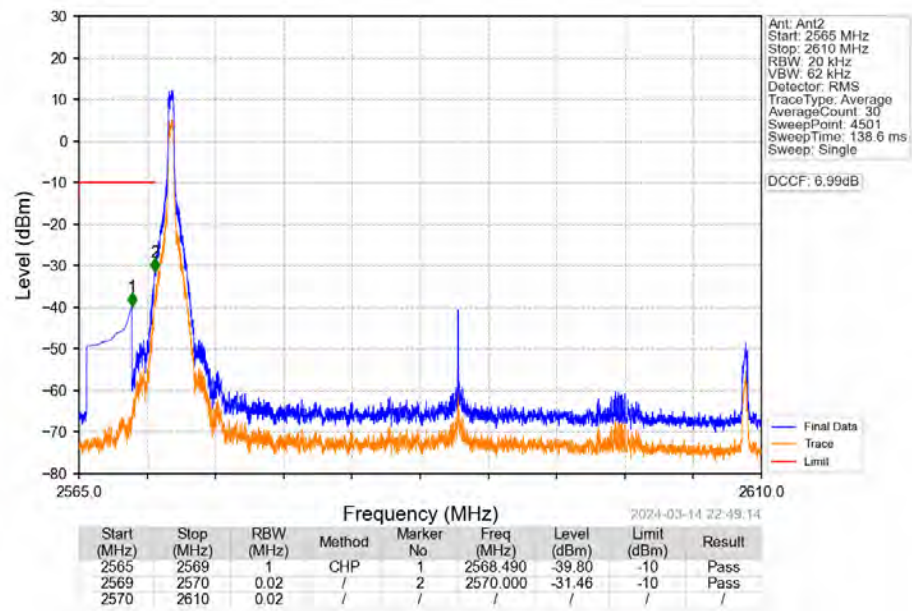
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2600MHz Outer Full



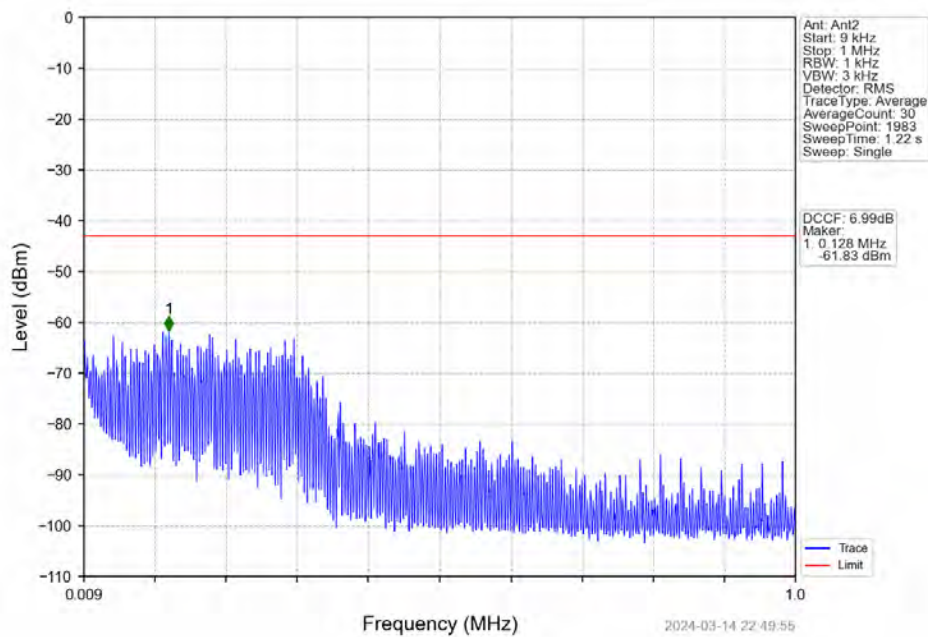
n38 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 2600MHz Inner 1RB Right



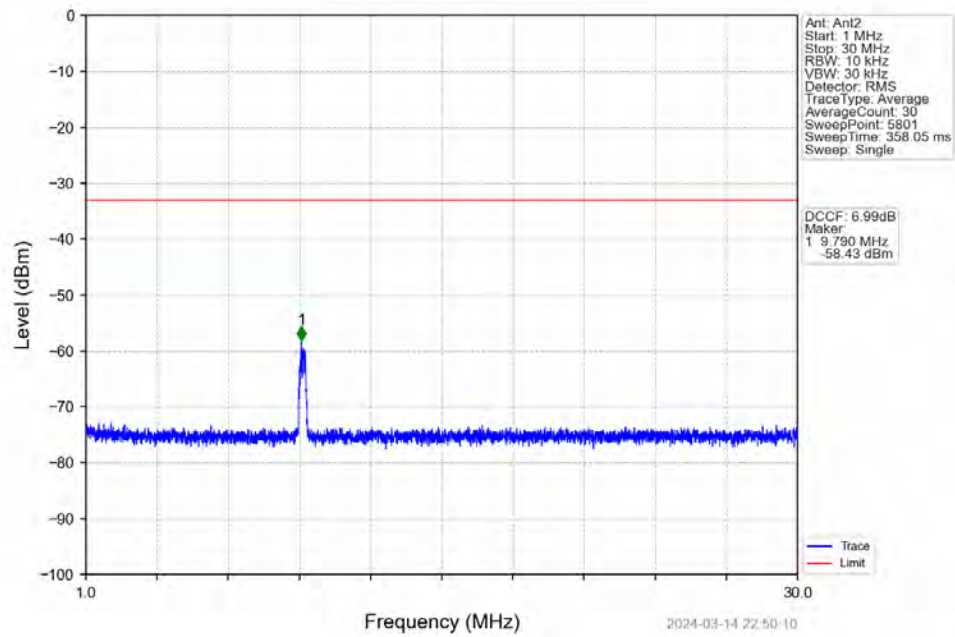
n38 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 2590MHz Edge 1RB Left



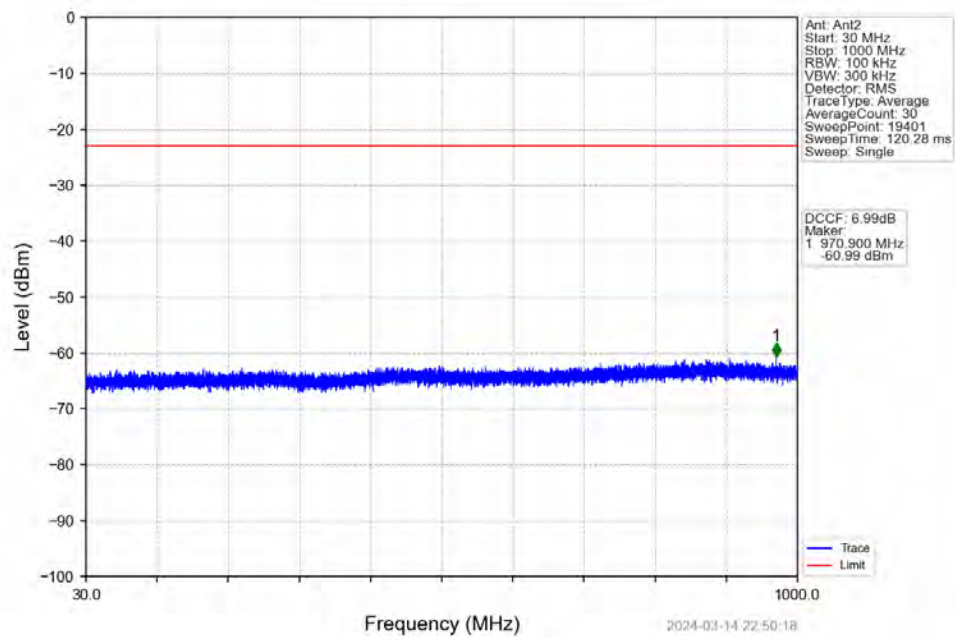
n38 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 2590MHz Edge 1RB Left



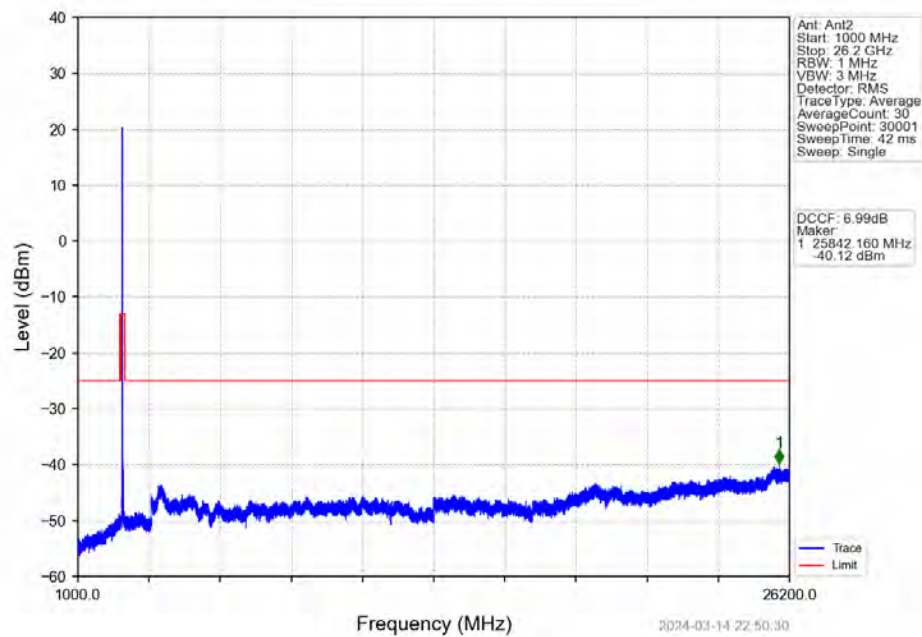
n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_2590MHz_Edge_1RB_Left



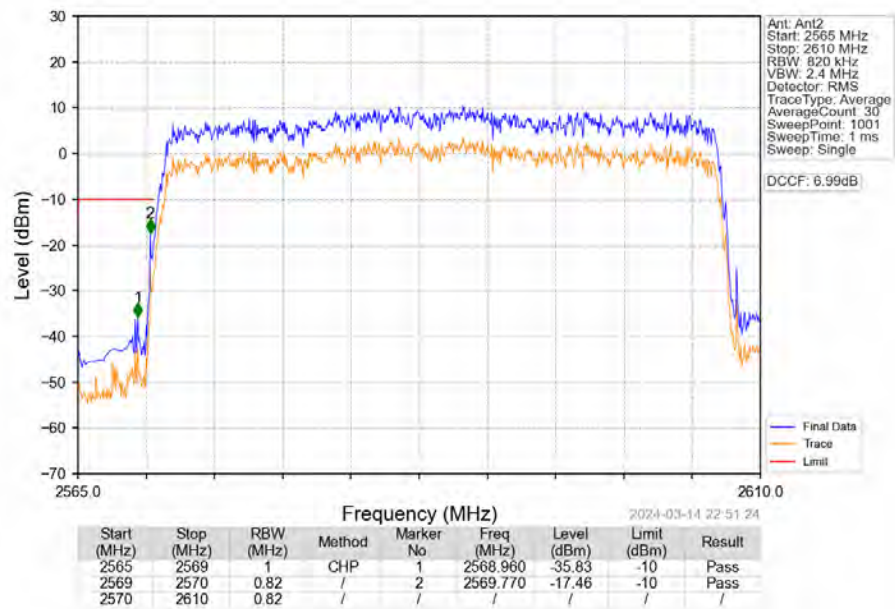
n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_2590MHz_Edge_1RB_Left



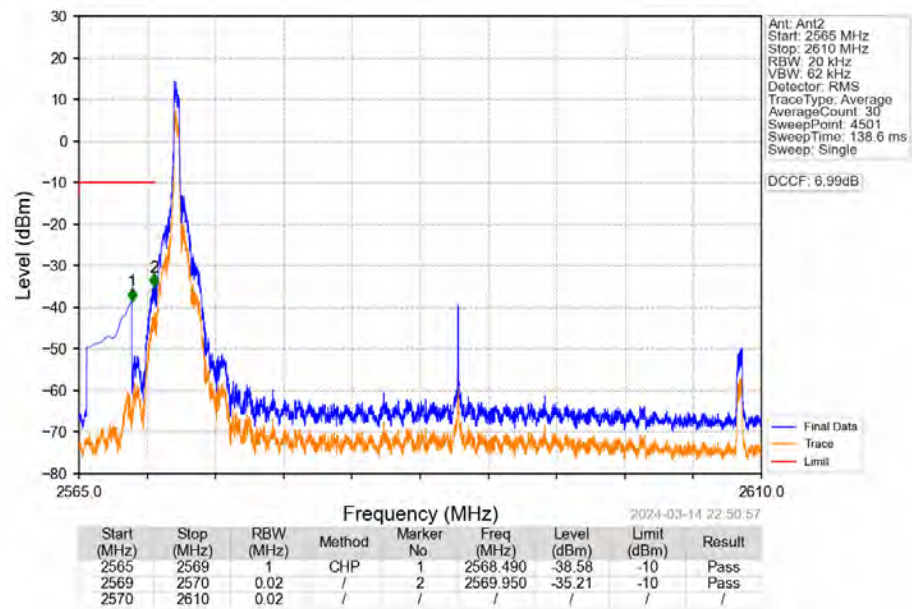
n38 30kHz SISO NTV 40MHz DFT-s-OFDM QPSK 2590MHz Edge 1RB Left



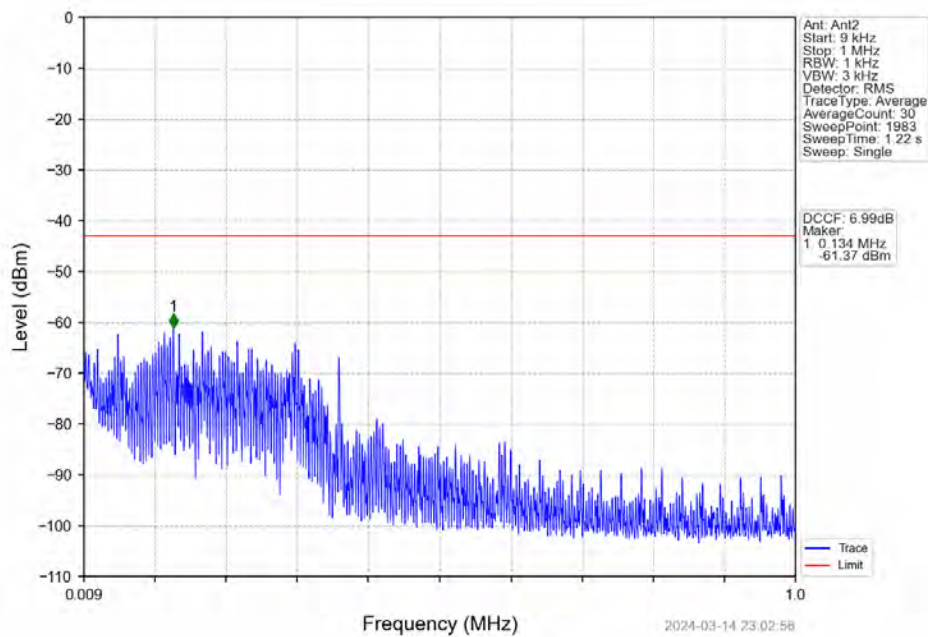
n38 30kHz SISO NTV 40MHz DFT-s-OFDM QPSK 2590MHz Outer Full



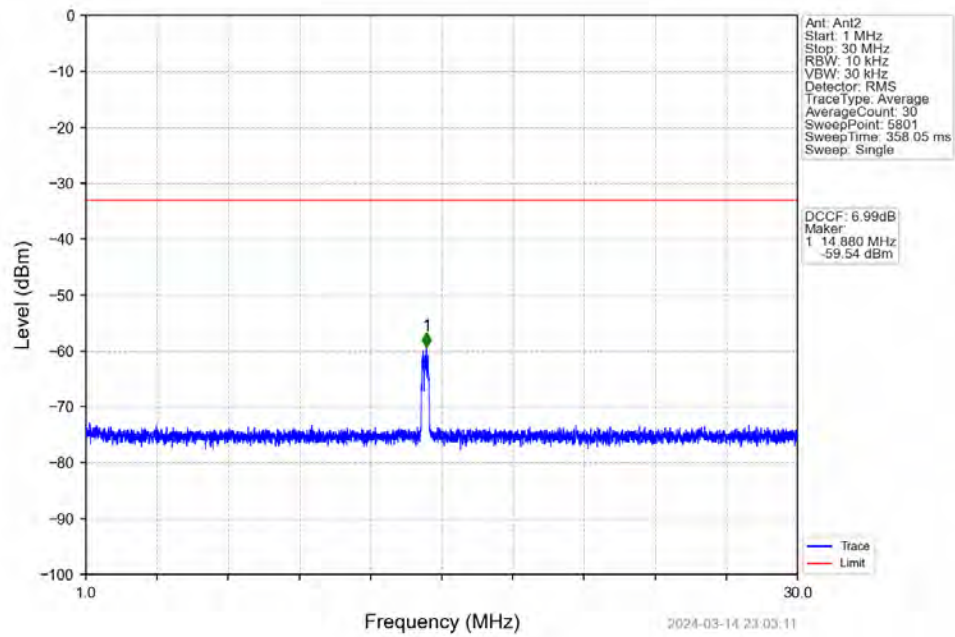
n38 30kHz SISO NTV 40MHz DFT-s-OFDM QPSK 2590MHz Inner 1RB Left



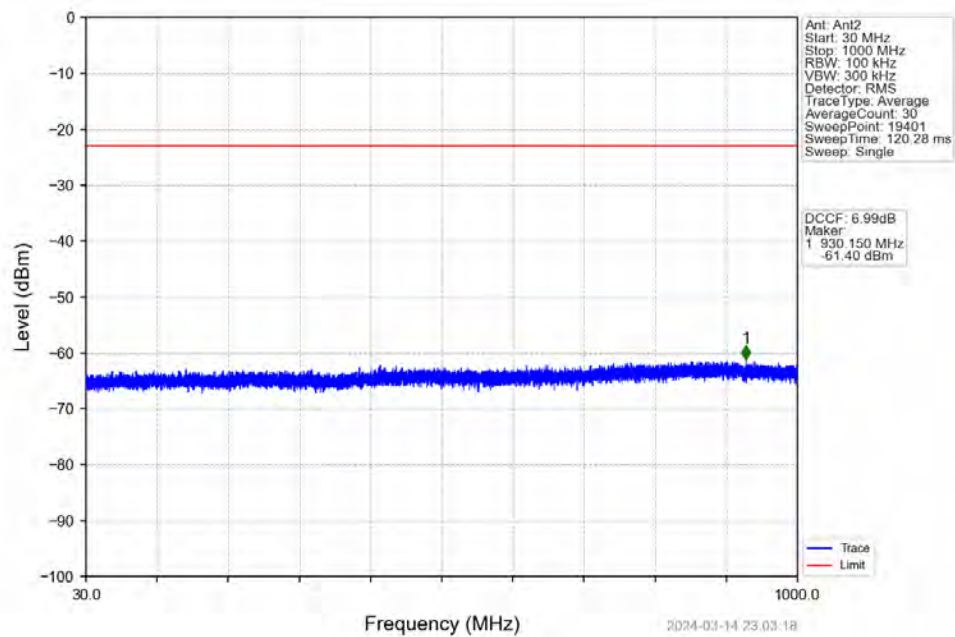
n38 30kHz SISO NTV 40MHz DFT-s-OFDM QPSK 2595MHz Edge 1RB Left



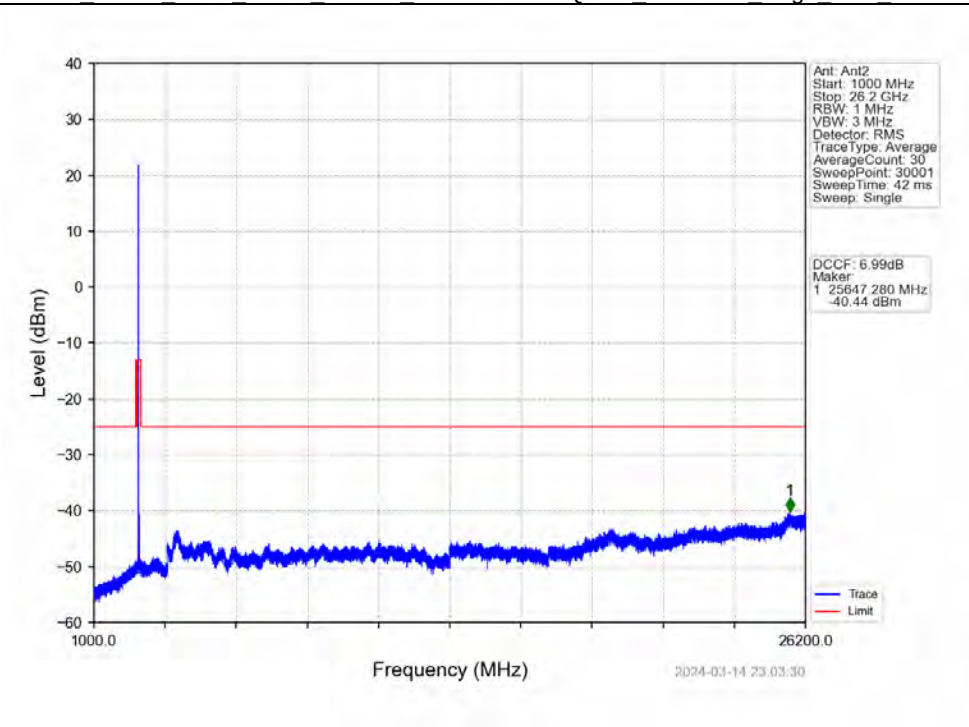
n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_2595MHz_Edge_1RB_Left



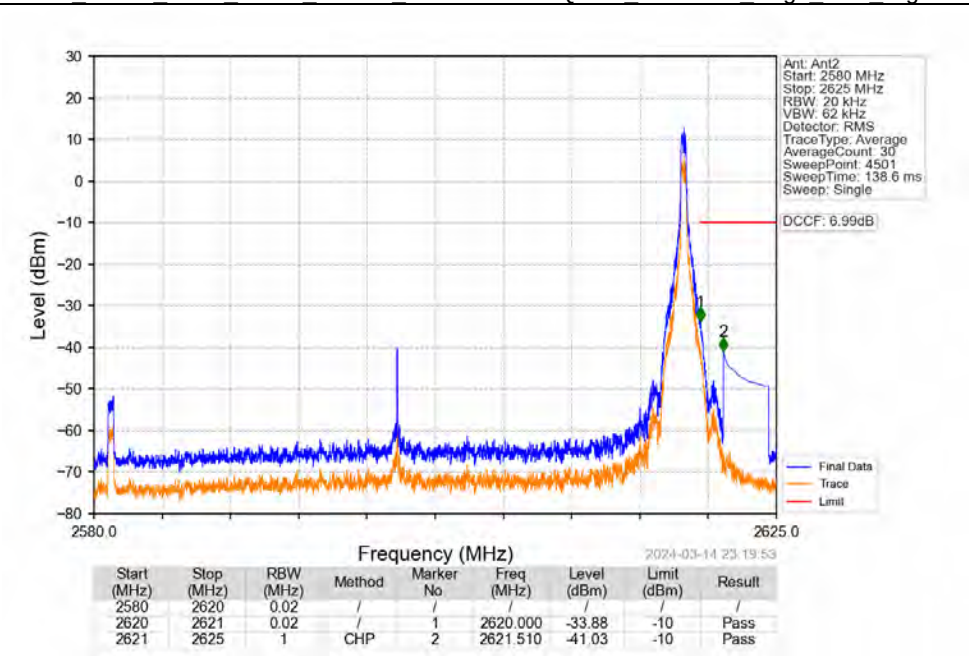
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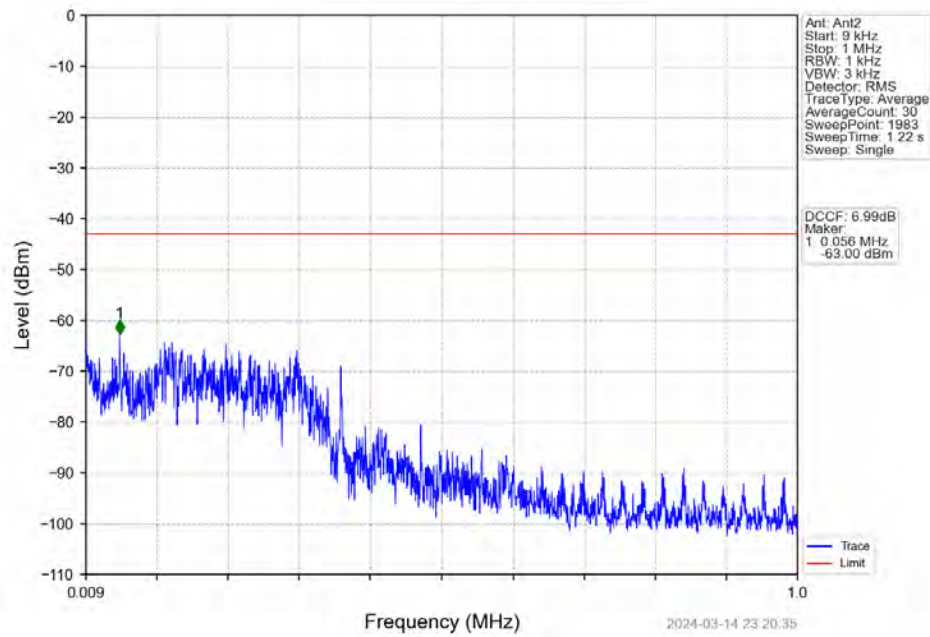
n38 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 2595MHz Edge 1RB Left



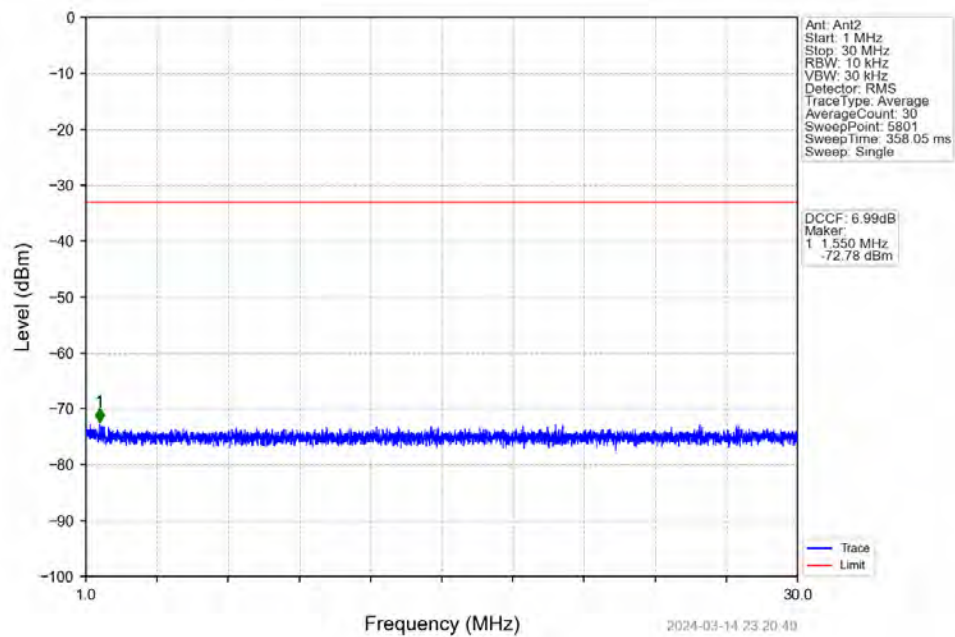
n38 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 2600MHz Edge 1RB Right



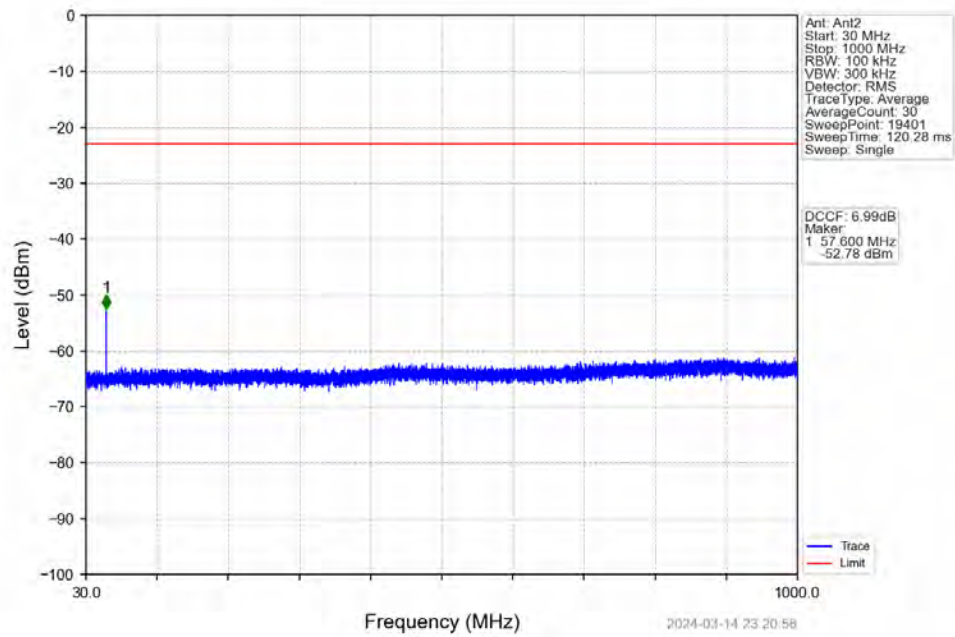
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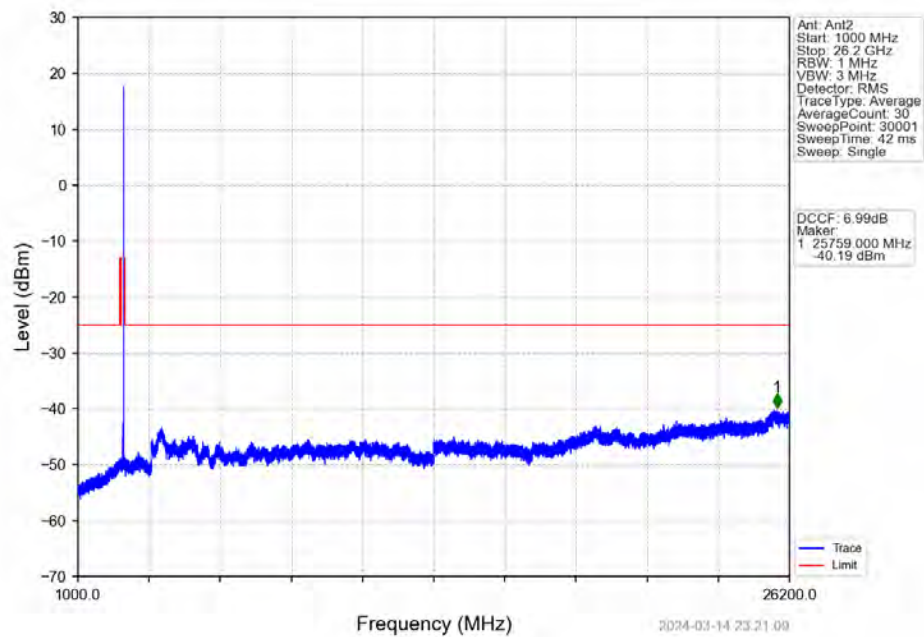
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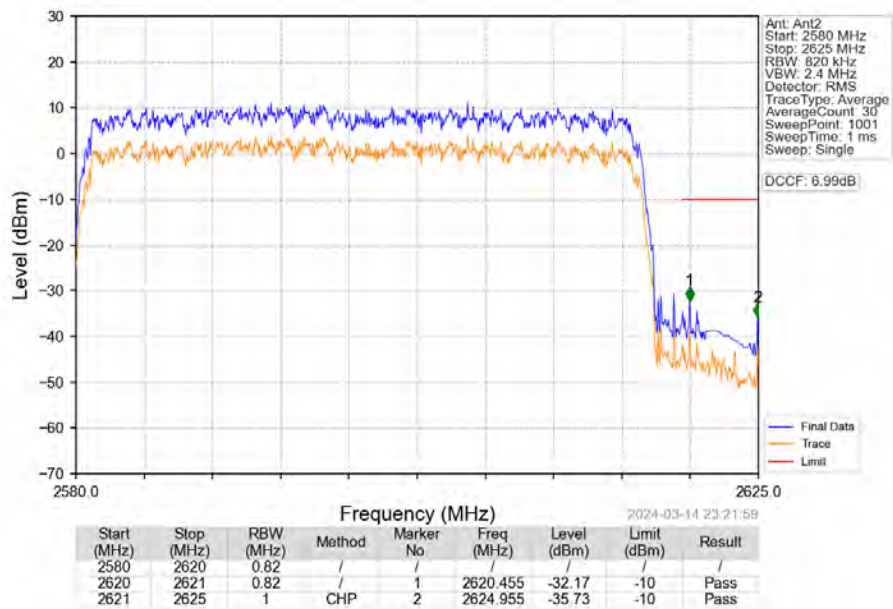
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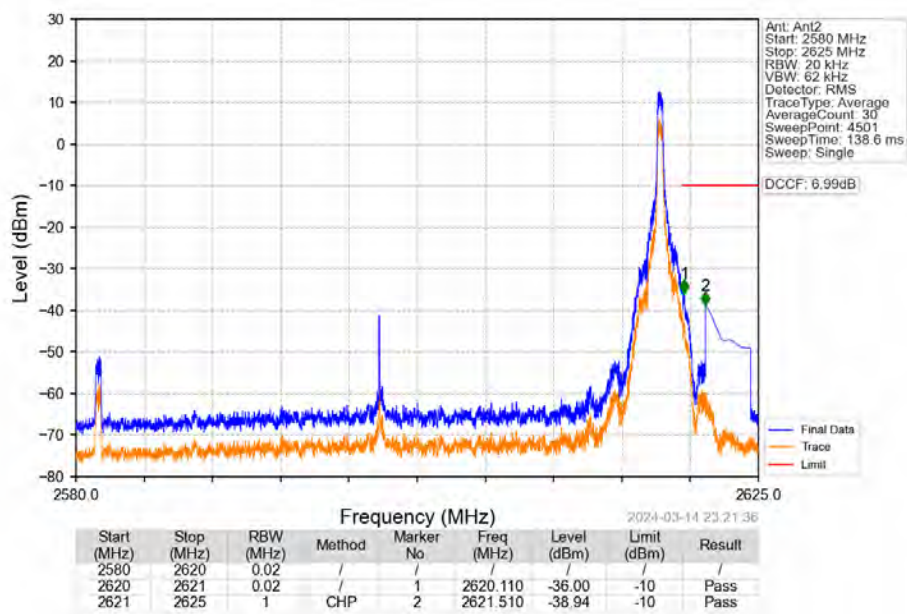
n38 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 2600MHz Edge 1RB Right



n38 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 2600MHz Outer Full



n38 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 2600MHz Inner 1RB Right



6. Field Strength of Spurious Radiation

SA Band 38-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
5144.0	-62.07	-25	-37.07	-67.68	4.62	10.23	Horizontal	Pass
7716.0	-60.04	-25	-35.04	-67.07	4.96	11.99	Horizontal	Pass
10288.0	-56.69	-25	-31.69	-64.26	5.51	13.08	Horizontal	Pass
5144.0	-57.33	-25	-32.33	-62.94	4.62	10.23	Vertical	Pass
7716.0	-59.68	-25	-34.68	-66.71	4.96	11.99	Vertical	Pass
10288.0	-56.92	-25	-31.92	-64.49	5.51	13.08	Vertical	Pass

SA Band 38-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
5154.0	-63.2	-25	-38.2	-68.82	4.62	10.24	Horizontal	Pass
7731.0	-60.25	-25	-35.25	-67.3	4.96	12.01	Horizontal	Pass
10344.0	-56.87	-25	-31.87	-64.44	5.52	13.09	Horizontal	Pass
5154.0	-62.98	-25	-37.98	-68.6	4.62	10.24	Vertical	Pass
7731.0	-59.75	-25	-34.75	-66.8	4.96	12.01	Vertical	Pass
10344.0	-56.7	-25	-31.7	-64.27	5.52	13.09	Vertical	Pass

SA Band 38-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
5164.0	-63.12	-25	-38.12	-68.74	4.62	10.24	Horizontal	Pass
7746.0	-59.84	-25	-34.84	-66.91	4.96	12.03	Horizontal	Pass
10328.0	-57.28	-25	-32.28	-64.86	5.51	13.09	Horizontal	Pass
5164.0	-63.22	-25	-38.22	-68.84	4.62	10.24	Vertical	Pass
7746.0	-59.61	-25	-34.61	-66.68	4.96	12.03	Vertical	Pass
10328.0	-57.03	-25	-32.03	-64.61	5.51	13.09	Vertical	Pass