1. Effective (Isotropic) Radiated Power Output Data

1.1 15k_SISO_5MHz_NTNV_ERP

1.1.1 Test Result

5G NR n71 SCS=15kHz SISO 5MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	665.5	Edge_1RB_Left	23.22	/	/	15.57	/	/	<=34.77	Pass
		Edge_1RB_Right	23.18	/	/	15.53	/	/	<=34.77	Pass
		Outer_Full	23.14	/	/	15.49	/	/	<=34.77	Pass
		Inner_Full	23.17	/	/	15.52	/	/	<=34.77	Pass
		Inner_1RB_Left	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Right	23.03	/	/	15.38	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.26	/	/	15.61	/	/	<=34.77	Pass
		Edge_1RB_Right	23.12	/	/	15.47	/	/	<=34.77	Pass
		Outer_Full	23.21	/	/	15.56	/	/	<=34.77	Pass
		Inner_Full	23.25	/	/	15.60	/	/	<=34.77	Pass
		Inner_1RB_Left	23.11	/	/	15.46	/	/	<=34.77	Pass
		Inner_1RB_Right	23.10	/	/	15.45	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	23.26	/	/	15.61	/	/	<=34.77	Pass
		Edge_1RB_Right	23.04	/	/	15.39	/	/	<=34.77	Pass
		Outer_Full	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_Full	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_1RB_Left	23.18	/	/	15.53	/	/	<=34.77	Pass
		Inner_1RB_Right	23.11	/	/	15.46	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	665.5	Edge_1RB_Left	23.24	/	/	15.59	/	/	<=34.77	Pass
		Edge_1RB_Right	23.08	/	/	15.43	/	/	<=34.77	Pass
		Outer_Full	23.22	/	/	15.57	/	/	<=34.77	Pass
		Inner_Full	23.23	/	/	15.58	/	/	<=34.77	Pass
		Inner_1RB_Left	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Right	23.10	/	/	15.45	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.09	/	/	15.44	/	/	<=34.77	Pass
		Edge_1RB_Right	23.08	/	/	15.43	/	/	<=34.77	Pass
		Outer_Full	23.19	/	/	15.54	/	/	<=34.77	Pass
		Inner_Full	23.23	/	/	15.58	/	/	<=34.77	Pass
		Inner_1RB_Left	23.10	/	/	15.45	/	/	<=34.77	Pass
		Inner_1RB_Right	23.01	/	/	15.36	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	23.14	/	/	15.49	/	/	<=34.77	Pass
		Edge_1RB_Right	23.07	/	/	15.42	/	/	<=34.77	Pass
		Outer_Full	23.30	/	/	15.65	/	/	<=34.77	Pass
		Inner_Full	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_1RB_Left	23.11	/	/	15.46	/	/	<=34.77	Pass
		Inner_1RB_Right	23.13	/	/	15.48	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	665.5	Edge_1RB_Left	22.35	/	/	14.70	/	/	<=34.77	Pass
		Edge_1RB_Right	22.20	/	/	14.55	/	/	<=34.77	Pass
		Outer_Full	22.23	/	/	14.58	/	/	<=34.77	Pass
		Inner_Full	23.34	/	/	15.69	/	/	<=34.77	Pass
		Inner_1RB_Left	23.27	/	/	15.62	/	/	<=34.77	Pass
		Inner_1RB_Right	23.10	/	/	15.45	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.29	/	/	14.64	/	/	<=34.77	Pass
		Edge_1RB_Right	22.11	/	/	14.46	/	/	<=34.77	Pass
		Outer_Full	22.34	/	/	14.69	/	/	<=34.77	Pass
		Inner_Full	23.39	/	/	15.74	/	/	<=34.77	Pass
		Inner_1RB_Left	23.21	/	/	15.56	/	/	<=34.77	Pass
		Inner_1RB_Right	23.13	/	/	15.48	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	22.25	/	/	14.60	/	/	<=34.77	Pass

		Edge_1RB_Right	22.14	/	/	14.49	/	/	<=34.77	Pass
		Outer_Full	22.28	/	/	14.63	/	/	<=34.77	Pass
		Inner_Full	23.44	/	/	15.79	/	/	<=34.77	Pass
		Inner_1RB_Left	23.08	/	/	15.43	/	/	<=34.77	Pass
		Inner_1RB_Right	23.03	/	/	15.38	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	665.5	Edge_1RB_Left	22.06	/	/	14.41	/	/	<=34.77	Pass
		Edge_1RB_Right	21.86	/	/	14.21	/	/	<=34.77	Pass
		Outer_Full	21.67	/	/	14.02	/	/	<=34.77	Pass
		Inner_Full	21.78	/	/	14.13	/	/	<=34.77	Pass
		Inner_1RB_Left	22.04	/	/	14.39	/	/	<=34.77	Pass
		Inner_1RB_Right	21.78	/	/	14.13	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.80	/	/	14.15	/	/	<=34.77	Pass
		Edge_1RB_Right	21.79	/	/	14.14	/	/	<=34.77	Pass
		Outer_Full	21.73	/	/	14.08	/	/	<=34.77	Pass
		Inner_Full	21.83	/	/	14.18	/	/	<=34.77	Pass
		Inner_1RB_Left	21.84	/	/	14.19	/	/	<=34.77	Pass
		Inner_1RB_Right	21.75	/	/	14.10	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	21.91	/	/	14.26	/	/	<=34.77	Pass
		Edge_1RB_Right	21.83	/	/	14.18	/	/	<=34.77	Pass
		Outer_Full	21.73	/	/	14.08	/	/	<=34.77	Pass
		Inner_Full	21.87	/	/	14.22	/	/	<=34.77	Pass
		Inner_1RB_Left	21.97	/	/	14.32	/	/	<=34.77	Pass
		Inner_1RB_Right	21.84	/	/	14.19	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	665.5	Edge_1RB_Left	19.34	/	/	11.69	/	/	<=34.77	Pass
		Edge_1RB_Right	19.05	/	/	11.40	/	/	<=34.77	Pass
		Outer_Full	19.61	/	/	11.96	/	/	<=34.77	Pass
		Inner_Full	19.71	/	/	12.06	/	/	<=34.77	Pass
		Inner_1RB_Left	19.31	/	/	11.66	/	/	<=34.77	Pass
		Inner_1RB_Right	19.09	/	/	11.44	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	19.12	/	/	11.47	/	/	<=34.77	Pass
		Edge_1RB_Right	19.10	/	/	11.45	/	/	<=34.77	Pass
		Outer_Full	19.68	/	/	12.03	/	/	<=34.77	Pass
		Inner_Full	19.74	/	/	12.09	/	/	<=34.77	Pass
		Inner_1RB_Left	19.08	/	/	11.43	/	/	<=34.77	Pass
		Inner_1RB_Right	19.12	/	/	11.47	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	19.19	/	/	11.54	/	/	<=34.77	Pass
		Edge_1RB_Right	19.03	/	/	11.38	/	/	<=34.77	Pass
		Outer_Full	19.70	/	/	12.05	/	/	<=34.77	Pass
		Inner_Full	19.75	/	/	12.10	/	/	<=34.77	Pass
		Inner_1RB_Left	19.19	/	/	11.54	/	/	<=34.77	Pass
		Inner_1RB_Right	19.15	/	/	11.50	/	/	<=34.77	Pass
CP-OFDM QPSK	665.5	Edge_1RB_Left	21.21	/	/	13.56	/	/	<=34.77	Pass
		Edge_1RB_Right	21.13	/	/	13.48	/	/	<=34.77	Pass
		Outer_Full	21.20	/	/	13.55	/	/	<=34.77	Pass
		Inner_Full	22.76	/	/	15.11	/	/	<=34.77	Pass
		Inner_1RB_Left	22.86	/	/	15.21	/	/	<=34.77	Pass
		Inner_1RB_Right	22.42	/	/	14.77	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.17	/	/	13.52	/	/	<=34.77	Pass
		Edge_1RB_Right	21.14	/	/	13.49	/	/	<=34.77	Pass
		Outer_Full	21.16	/	/	13.51	/	/	<=34.77	Pass
		Inner_Full	22.85	/	/	15.20	/	/	<=34.77	Pass
		Inner_1RB_Left	22.51	/	/	14.86	/	/	<=34.77	Pass
		Inner_1RB_Right	22.47	/	/	14.82	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	21.12	/	/	13.47	/	/	<=34.77	Pass
		Edge_1RB_Right	21.03	/	/	13.38	/	/	<=34.77	Pass
		Outer_Full	21.33	/	/	13.68	/	/	<=34.77	Pass
		Inner_Full	22.86	/	/	15.21	/	/	<=34.77	Pass
		Inner_1RB_Left	22.48	/	/	14.83	/	/	<=34.77	Pass
		Inner_1RB_Right	22.45	/	/	14.80	/	/	<=34.77	Pass

CP-OFDM 16 QAM	665.5	Edge_1RB_Left	21.22	/	/	13.57	/	/	<=34.77	Pass
		Edge_1RB_Right	20.99	/	/	13.34	/	/	<=34.77	Pass
		Outer_Full	21.21	/	/	13.56	/	/	<=34.77	Pass
		Inner_Full	22.10	/	/	14.45	/	/	<=34.77	Pass
		Inner_1RB_Left	22.44	/	/	14.79	/	/	<=34.77	Pass
		Inner_1RB_Right	22.21	/	/	14.56	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.05	/	/	13.40	/	/	<=34.77	Pass
		Edge_1RB_Right	20.94	/	/	13.29	/	/	<=34.77	Pass
		Outer_Full	21.24	/	/	13.59	/	/	<=34.77	Pass
		Inner_Full	22.17	/	/	14.52	/	/	<=34.77	Pass
		Inner_1RB_Left	22.33	/	/	14.68	/	/	<=34.77	Pass
		Inner_1RB_Right	22.32	/	/	14.67	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	21.18	/	/	13.53	/	/	<=34.77	Pass
		Edge_1RB_Right	21.08	/	/	13.43	/	/	<=34.77	Pass
		Outer_Full	21.26	/	/	13.61	/	/	<=34.77	Pass
		Inner_Full	22.26	/	/	14.61	/	/	<=34.77	Pass
		Inner_1RB_Left	22.43	/	/	14.78	/	/	<=34.77	Pass
		Inner_1RB_Right	22.37	/	/	14.72	/	/	<=34.77	Pass
CP-OFDM 64 QAM	665.5	Edge_1RB_Left	20.89	/	/	13.24	/	/	<=34.77	Pass
		Edge_1RB_Right	20.63	/	/	12.98	/	/	<=34.77	Pass
		Outer_Full	20.61	/	/	12.96	/	/	<=34.77	Pass
		Inner_Full	20.74	/	/	13.09	/	/	<=34.77	Pass
		Inner_1RB_Left	20.83	/	/	13.18	/	/	<=34.77	Pass
		Inner_1RB_Right	20.65	/	/	13.00	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.65	/	/	13.00	/	/	<=34.77	Pass
		Edge_1RB_Right	20.56	/	/	12.91	/	/	<=34.77	Pass
		Outer_Full	20.70	/	/	13.05	/	/	<=34.77	Pass
		Inner_Full	20.79	/	/	13.14	/	/	<=34.77	Pass
		Inner_1RB_Left	20.67	/	/	13.02	/	/	<=34.77	Pass
		Inner_1RB_Right	20.65	/	/	13.00	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	20.82	/	/	13.17	/	/	<=34.77	Pass
		Edge_1RB_Right	20.65	/	/	13.00	/	/	<=34.77	Pass
		Outer_Full	20.74	/	/	13.09	/	/	<=34.77	Pass
		Inner_Full	20.86	/	/	13.21	/	/	<=34.77	Pass
		Inner_1RB_Left	20.81	/	/	13.16	/	/	<=34.77	Pass
		Inner_1RB_Right	20.73	/	/	13.08	/	/	<=34.77	Pass
CP-OFDM 256 QAM	665.5	Edge_1RB_Left	17.29	/	/	9.64	/	/	<=34.77	Pass
		Edge_1RB_Right	17.07	/	/	9.42	/	/	<=34.77	Pass
		Outer_Full	17.70	/	/	10.05	/	/	<=34.77	Pass
		Inner_Full	17.74	/	/	10.09	/	/	<=34.77	Pass
		Inner_1RB_Left	17.31	/	/	9.66	/	/	<=34.77	Pass
		Inner_1RB_Right	17.11	/	/	9.46	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	17.22	/	/	9.57	/	/	<=34.77	Pass
		Edge_1RB_Right	17.15	/	/	9.50	/	/	<=34.77	Pass
		Outer_Full	17.70	/	/	10.05	/	/	<=34.77	Pass
		Inner_Full	17.77	/	/	10.12	/	/	<=34.77	Pass
		Inner_1RB_Left	17.20	/	/	9.55	/	/	<=34.77	Pass
		Inner_1RB_Right	17.10	/	/	9.45	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	17.23	/	/	9.58	/	/	<=34.77	Pass
		Edge_1RB_Right	17.11	/	/	9.46	/	/	<=34.77	Pass
		Outer_Full	17.74	/	/	10.09	/	/	<=34.77	Pass
		Inner_Full	17.76	/	/	10.11	/	/	<=34.77	Pass
		Inner_1RB_Left	17.25	/	/	9.60	/	/	<=34.77	Pass
		Inner_1RB_Right	17.14	/	/	9.49	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -5.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.2 15k_SISO_10MHz_NTNV_ERP

1.2.1 Test Result

5G NR n71 SCS=15kHz SISO 10MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	668	Edge_1RB_Left	23.29	/	/	15.64	/	/	<=34.77	Pass
		Edge_1RB_Right	23.18	/	/	15.53	/	/	<=34.77	Pass
		Outer_Full	23.04	/	/	15.39	/	/	<=34.77	Pass
		Inner_Full	23.10	/	/	15.45	/	/	<=34.77	Pass
		Inner_1RB_Left	23.33	/	/	15.68	/	/	<=34.77	Pass
		Inner_1RB_Right	23.28	/	/	15.63	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.26	/	/	15.61	/	/	<=34.77	Pass
		Edge_1RB_Right	23.18	/	/	15.53	/	/	<=34.77	Pass
		Outer_Full	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_Full	23.19	/	/	15.54	/	/	<=34.77	Pass
		Inner_1RB_Left	23.29	/	/	15.64	/	/	<=34.77	Pass
		Inner_1RB_Right	23.21	/	/	15.56	/	/	<=34.77	Pass
	693	Edge_1RB_Left	23.24	/	/	15.59	/	/	<=34.77	Pass
		Edge_1RB_Right	23.11	/	/	15.46	/	/	<=34.77	Pass
		Outer_Full	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_Full	23.23	/	/	15.58	/	/	<=34.77	Pass
		Inner_1RB_Left	23.18	/	/	15.53	/	/	<=34.77	Pass
		Inner_1RB_Right	23.18	/	/	15.53	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	668	Edge_1RB_Left	23.30	/	/	15.65	/	/	<=34.77	Pass
		Edge_1RB_Right	23.19	/	/	15.54	/	/	<=34.77	Pass
		Outer_Full	23.19	/	/	15.54	/	/	<=34.77	Pass
		Inner_Full	23.14	/	/	15.49	/	/	<=34.77	Pass
		Inner_1RB_Left	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_1RB_Right	23.25	/	/	15.60	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.11	/	/	15.46	/	/	<=34.77	Pass
		Edge_1RB_Right	23.20	/	/	15.55	/	/	<=34.77	Pass
		Outer_Full	23.21	/	/	15.56	/	/	<=34.77	Pass
		Inner_Full	23.23	/	/	15.58	/	/	<=34.77	Pass
		Inner_1RB_Left	23.30	/	/	15.65	/	/	<=34.77	Pass
		Inner_1RB_Right	23.23	/	/	15.58	/	/	<=34.77	Pass
	693	Edge_1RB_Left	23.27	/	/	15.62	/	/	<=34.77	Pass
		Edge_1RB_Right	23.13	/	/	15.48	/	/	<=34.77	Pass
		Outer_Full	23.17	/	/	15.52	/	/	<=34.77	Pass
		Inner_Full	23.21	/	/	15.56	/	/	<=34.77	Pass
		Inner_1RB_Left	23.20	/	/	15.55	/	/	<=34.77	Pass
		Inner_1RB_Right	23.13	/	/	15.48	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	668	Edge_1RB_Left	22.37	/	/	14.72	/	/	<=34.77	Pass
		Edge_1RB_Right	22.19	/	/	14.54	/	/	<=34.77	Pass
		Outer_Full	22.11	/	/	14.46	/	/	<=34.77	Pass
		Inner_Full	23.19	/	/	15.54	/	/	<=34.77	Pass
		Inner_1RB_Left	23.23	/	/	15.58	/	/	<=34.77	Pass
		Inner_1RB_Right	23.10	/	/	15.45	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.16	/	/	14.51	/	/	<=34.77	Pass
		Edge_1RB_Right	22.24	/	/	14.59	/	/	<=34.77	Pass
		Outer_Full	22.20	/	/	14.55	/	/	<=34.77	Pass
		Inner_Full	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_1RB_Left	23.27	/	/	15.62	/	/	<=34.77	Pass
		Inner_1RB_Right	23.15	/	/	15.50	/	/	<=34.77	Pass
	693	Edge_1RB_Left	22.07	/	/	14.42	/	/	<=34.77	Pass
		Edge_1RB_Right	22.16	/	/	14.51	/	/	<=34.77	Pass
		Outer_Full	22.17	/	/	14.52	/	/	<=34.77	Pass
		Inner_Full	23.24	/	/	15.59	/	/	<=34.77	Pass
		Inner_1RB_Left	23.07	/	/	15.42	/	/	<=34.77	Pass
		Inner_1RB_Right	23.12	/	/	15.47	/	/	<=34.77	Pass

DFT-s-OFDM 64 QAM	668	Edge_1RB_Left	22.07	/	/	14.42	/	/	<=34.77	Pass
		Edge_1RB_Right	22.00	/	/	14.35	/	/	<=34.77	Pass
		Outer_Full	21.66	/	/	14.01	/	/	<=34.77	Pass
		Inner_Full	21.58	/	/	13.93	/	/	<=34.77	Pass
		Inner_1RB_Left	22.07	/	/	14.42	/	/	<=34.77	Pass
		Inner_1RB_Right	22.04	/	/	14.39	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.97	/	/	14.32	/	/	<=34.77	Pass
		Edge_1RB_Right	21.94	/	/	14.29	/	/	<=34.77	Pass
		Outer_Full	21.77	/	/	14.12	/	/	<=34.77	Pass
		Inner_Full	21.74	/	/	14.09	/	/	<=34.77	Pass
		Inner_1RB_Left	21.88	/	/	14.23	/	/	<=34.77	Pass
		Inner_1RB_Right	21.95	/	/	14.30	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.86	/	/	14.21	/	/	<=34.77	Pass
		Edge_1RB_Right	21.85	/	/	14.20	/	/	<=34.77	Pass
		Outer_Full	21.71	/	/	14.06	/	/	<=34.77	Pass
		Inner_Full	21.76	/	/	14.11	/	/	<=34.77	Pass
		Inner_1RB_Left	21.82	/	/	14.17	/	/	<=34.77	Pass
		Inner_1RB_Right	21.82	/	/	14.17	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	668	Edge_1RB_Left	19.30	/	/	11.65	/	/	<=34.77	Pass
		Edge_1RB_Right	19.17	/	/	11.52	/	/	<=34.77	Pass
		Outer_Full	19.58	/	/	11.93	/	/	<=34.77	Pass
		Inner_Full	19.48	/	/	11.83	/	/	<=34.77	Pass
		Inner_1RB_Left	19.21	/	/	11.56	/	/	<=34.77	Pass
		Inner_1RB_Right	19.15	/	/	11.50	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	19.17	/	/	11.52	/	/	<=34.77	Pass
		Edge_1RB_Right	19.08	/	/	11.43	/	/	<=34.77	Pass
		Outer_Full	19.68	/	/	12.03	/	/	<=34.77	Pass
		Inner_Full	19.68	/	/	12.03	/	/	<=34.77	Pass
		Inner_1RB_Left	19.19	/	/	11.54	/	/	<=34.77	Pass
		Inner_1RB_Right	19.10	/	/	11.45	/	/	<=34.77	Pass
	693	Edge_1RB_Left	19.10	/	/	11.45	/	/	<=34.77	Pass
		Edge_1RB_Right	19.00	/	/	11.35	/	/	<=34.77	Pass
		Outer_Full	19.73	/	/	12.08	/	/	<=34.77	Pass
		Inner_Full	19.72	/	/	12.07	/	/	<=34.77	Pass
		Inner_1RB_Left	19.13	/	/	11.48	/	/	<=34.77	Pass
		Inner_1RB_Right	19.10	/	/	11.45	/	/	<=34.77	Pass
CP-OFDM QPSK	668	Edge_1RB_Left	21.20	/	/	13.55	/	/	<=34.77	Pass
		Edge_1RB_Right	21.19	/	/	13.54	/	/	<=34.77	Pass
		Outer_Full	21.17	/	/	13.52	/	/	<=34.77	Pass
		Inner_Full	22.58	/	/	14.93	/	/	<=34.77	Pass
		Inner_1RB_Left	22.58	/	/	14.93	/	/	<=34.77	Pass
		Inner_1RB_Right	22.56	/	/	14.91	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.25	/	/	13.60	/	/	<=34.77	Pass
		Edge_1RB_Right	21.22	/	/	13.57	/	/	<=34.77	Pass
		Outer_Full	21.16	/	/	13.51	/	/	<=34.77	Pass
		Inner_Full	22.73	/	/	15.08	/	/	<=34.77	Pass
		Inner_1RB_Left	22.78	/	/	15.13	/	/	<=34.77	Pass
		Inner_1RB_Right	22.55	/	/	14.90	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.18	/	/	13.53	/	/	<=34.77	Pass
		Edge_1RB_Right	21.03	/	/	13.38	/	/	<=34.77	Pass
		Outer_Full	21.19	/	/	13.54	/	/	<=34.77	Pass
		Inner_Full	22.71	/	/	15.06	/	/	<=34.77	Pass
		Inner_1RB_Left	22.57	/	/	14.92	/	/	<=34.77	Pass
		Inner_1RB_Right	22.62	/	/	14.97	/	/	<=34.77	Pass
CP-OFDM 16 QAM	668	Edge_1RB_Left	21.27	/	/	13.62	/	/	<=34.77	Pass
		Edge_1RB_Right	21.21	/	/	13.56	/	/	<=34.77	Pass
		Outer_Full	21.08	/	/	13.43	/	/	<=34.77	Pass
		Inner_Full	22.17	/	/	14.52	/	/	<=34.77	Pass
		Inner_1RB_Left	22.41	/	/	14.76	/	/	<=34.77	Pass

		Inner_1RB_Right	22.39	/	/	14.74	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.59	/	/	13.94	/	/	<=34.77	Pass
		Edge_1RB_Right	21.10	/	/	13.45	/	/	<=34.77	Pass
		Outer_Full	21.14	/	/	13.49	/	/	<=34.77	Pass
		Inner_Full	22.25	/	/	14.60	/	/	<=34.77	Pass
		Inner_1RB_Left	22.47	/	/	14.82	/	/	<=34.77	Pass
		Inner_1RB_Right	22.33	/	/	14.68	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.58	/	/	13.93	/	/	<=34.77	Pass
		Edge_1RB_Right	21.13	/	/	13.48	/	/	<=34.77	Pass
		Outer_Full	21.11	/	/	13.46	/	/	<=34.77	Pass
		Inner_Full	22.21	/	/	14.56	/	/	<=34.77	Pass
		Inner_1RB_Left	22.23	/	/	14.58	/	/	<=34.77	Pass
		Inner_1RB_Right	22.25	/	/	14.60	/	/	<=34.77	Pass
CP-OFDM 64 QAM	668	Edge_1RB_Left	20.82	/	/	13.17	/	/	<=34.77	Pass
		Edge_1RB_Right	20.84	/	/	13.19	/	/	<=34.77	Pass
		Outer_Full	20.59	/	/	12.94	/	/	<=34.77	Pass
		Inner_Full	20.62	/	/	12.97	/	/	<=34.77	Pass
		Inner_1RB_Left	20.82	/	/	13.17	/	/	<=34.77	Pass
		Inner_1RB_Right	20.89	/	/	13.24	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.92	/	/	13.27	/	/	<=34.77	Pass
		Edge_1RB_Right	20.80	/	/	13.15	/	/	<=34.77	Pass
		Outer_Full	20.71	/	/	13.06	/	/	<=34.77	Pass
		Inner_Full	20.71	/	/	13.06	/	/	<=34.77	Pass
		Inner_1RB_Left	20.85	/	/	13.20	/	/	<=34.77	Pass
		Inner_1RB_Right	20.79	/	/	13.14	/	/	<=34.77	Pass
	693	Edge_1RB_Left	20.76	/	/	13.11	/	/	<=34.77	Pass
		Edge_1RB_Right	20.70	/	/	13.05	/	/	<=34.77	Pass
		Outer_Full	20.65	/	/	13.00	/	/	<=34.77	Pass
		Inner_Full	20.74	/	/	13.09	/	/	<=34.77	Pass
		Inner_1RB_Left	20.76	/	/	13.11	/	/	<=34.77	Pass
		Inner_1RB_Right	20.70	/	/	13.05	/	/	<=34.77	Pass
CP-OFDM 256 QAM	668	Edge_1RB_Left	17.13	/	/	9.48	/	/	<=34.77	Pass
		Edge_1RB_Right	17.21	/	/	9.56	/	/	<=34.77	Pass
		Outer_Full	17.50	/	/	9.85	/	/	<=34.77	Pass
		Inner_Full	17.56	/	/	9.91	/	/	<=34.77	Pass
		Inner_1RB_Left	17.21	/	/	9.56	/	/	<=34.77	Pass
		Inner_1RB_Right	17.28	/	/	9.63	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	17.32	/	/	9.67	/	/	<=34.77	Pass
		Edge_1RB_Right	17.14	/	/	9.49	/	/	<=34.77	Pass
		Outer_Full	17.63	/	/	9.98	/	/	<=34.77	Pass
		Inner_Full	17.67	/	/	10.02	/	/	<=34.77	Pass
		Inner_1RB_Left	17.21	/	/	9.56	/	/	<=34.77	Pass
		Inner_1RB_Right	17.24	/	/	9.59	/	/	<=34.77	Pass
	693	Edge_1RB_Left	17.07	/	/	9.42	/	/	<=34.77	Pass
		Edge_1RB_Right	17.10	/	/	9.45	/	/	<=34.77	Pass
		Outer_Full	17.64	/	/	9.99	/	/	<=34.77	Pass
		Inner_Full	17.62	/	/	9.97	/	/	<=34.77	Pass
		Inner_1RB_Left	17.09	/	/	9.44	/	/	<=34.77	Pass
		Inner_1RB_Right	17.13	/	/	9.48	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -5.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.3 15k_SISO_15MHz_NTNV_ERP

1.3.1 Test Result

5G NR n71 SCS=15kHz SISO 15MHz NTNV

Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	670.5	Edge_1RB_Left	23.33	/	/	15.68	/	/	<=34.77	Pass
		Edge_1RB_Right	23.31	/	/	15.66	/	/	<=34.77	Pass
		Outer_Full	23.27	/	/	15.62	/	/	<=34.77	Pass
		Inner_Full	23.25	/	/	15.60	/	/	<=34.77	Pass
		Inner_1RB_Left	23.29	/	/	15.64	/	/	<=34.77	Pass
		Inner_1RB_Right	23.40	/	/	15.75	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.37	/	/	15.72	/	/	<=34.77	Pass
		Edge_1RB_Right	23.19	/	/	15.54	/	/	<=34.77	Pass
		Outer_Full	23.29	/	/	15.64	/	/	<=34.77	Pass
		Inner_Full	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Left	23.34	/	/	15.69	/	/	<=34.77	Pass
		Inner_1RB_Right	23.19	/	/	15.54	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	23.21	/	/	15.56	/	/	<=34.77	Pass
		Edge_1RB_Right	23.12	/	/	15.47	/	/	<=34.77	Pass
		Outer_Full	23.19	/	/	15.54	/	/	<=34.77	Pass
		Inner_Full	23.24	/	/	15.59	/	/	<=34.77	Pass
		Inner_1RB_Left	23.25	/	/	15.60	/	/	<=34.77	Pass
		Inner_1RB_Right	23.15	/	/	15.50	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	670.5	Edge_1RB_Left	23.33	/	/	15.68	/	/	<=34.77	Pass
		Edge_1RB_Right	23.39	/	/	15.74	/	/	<=34.77	Pass
		Outer_Full	23.24	/	/	15.59	/	/	<=34.77	Pass
		Inner_Full	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Left	23.34	/	/	15.69	/	/	<=34.77	Pass
		Inner_1RB_Right	23.39	/	/	15.74	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.39	/	/	15.74	/	/	<=34.77	Pass
		Edge_1RB_Right	23.05	/	/	15.40	/	/	<=34.77	Pass
		Outer_Full	23.32	/	/	15.67	/	/	<=34.77	Pass
		Inner_Full	23.35	/	/	15.70	/	/	<=34.77	Pass
		Inner_1RB_Left	23.40	/	/	15.75	/	/	<=34.77	Pass
		Inner_1RB_Right	23.13	/	/	15.48	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	23.26	/	/	15.61	/	/	<=34.77	Pass
		Edge_1RB_Right	23.23	/	/	15.58	/	/	<=34.77	Pass
		Outer_Full	23.27	/	/	15.62	/	/	<=34.77	Pass
		Inner_Full	23.30	/	/	15.65	/	/	<=34.77	Pass
		Inner_1RB_Left	23.25	/	/	15.60	/	/	<=34.77	Pass
		Inner_1RB_Right	23.19	/	/	15.54	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	670.5	Edge_1RB_Left	22.23	/	/	14.58	/	/	<=34.77	Pass
		Edge_1RB_Right	22.31	/	/	14.66	/	/	<=34.77	Pass
		Outer_Full	22.30	/	/	14.65	/	/	<=34.77	Pass
		Inner_Full	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_1RB_Left	23.19	/	/	15.54	/	/	<=34.77	Pass
		Inner_1RB_Right	23.30	/	/	15.65	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.26	/	/	14.61	/	/	<=34.77	Pass
		Edge_1RB_Right	21.97	/	/	14.32	/	/	<=34.77	Pass
		Outer_Full	22.38	/	/	14.73	/	/	<=34.77	Pass
		Inner_Full	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Left	23.23	/	/	15.58	/	/	<=34.77	Pass
		Inner_1RB_Right	23.06	/	/	15.41	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	22.19	/	/	14.54	/	/	<=34.77	Pass
		Edge_1RB_Right	22.18	/	/	14.53	/	/	<=34.77	Pass
		Outer_Full	22.21	/	/	14.56	/	/	<=34.77	Pass
		Inner_Full	23.29	/	/	15.64	/	/	<=34.77	Pass
		Inner_1RB_Left	23.20	/	/	15.55	/	/	<=34.77	Pass
		Inner_1RB_Right	23.16	/	/	15.51	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	670.5	Edge_1RB_Left	21.93	/	/	14.28	/	/	<=34.77	Pass
		Edge_1RB_Right	21.88	/	/	14.23	/	/	<=34.77	Pass
		Outer_Full	21.76	/	/	14.11	/	/	<=34.77	Pass

		Inner_Full	21.77	/	/	14.12	/	/	<=34.77	Pass
		Inner_1RB_Left	21.90	/	/	14.25	/	/	<=34.77	Pass
		Inner_1RB_Right	21.87	/	/	14.22	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.07	/	/	14.42	/	/	<=34.77	Pass
		Edge_1RB_Right	21.74	/	/	14.09	/	/	<=34.77	Pass
		Outer_Full	21.84	/	/	14.19	/	/	<=34.77	Pass
		Inner_Full	21.88	/	/	14.23	/	/	<=34.77	Pass
		Inner_1RB_Left	22.09	/	/	14.44	/	/	<=34.77	Pass
		Inner_1RB_Right	21.70	/	/	14.05	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	21.86	/	/	14.21	/	/	<=34.77	Pass
		Edge_1RB_Right	21.86	/	/	14.21	/	/	<=34.77	Pass
		Outer_Full	21.74	/	/	14.09	/	/	<=34.77	Pass
		Inner_Full	21.78	/	/	14.13	/	/	<=34.77	Pass
		Inner_1RB_Left	21.79	/	/	14.14	/	/	<=34.77	Pass
		Inner_1RB_Right	21.88	/	/	14.23	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	670.5	Edge_1RB_Left	19.34	/	/	11.69	/	/	<=34.77	Pass
		Edge_1RB_Right	19.36	/	/	11.71	/	/	<=34.77	Pass
		Outer_Full	19.70	/	/	12.05	/	/	<=34.77	Pass
		Inner_Full	19.66	/	/	12.01	/	/	<=34.77	Pass
		Inner_1RB_Left	19.32	/	/	11.67	/	/	<=34.77	Pass
		Inner_1RB_Right	19.33	/	/	11.68	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	19.41	/	/	11.76	/	/	<=34.77	Pass
		Edge_1RB_Right	19.11	/	/	11.46	/	/	<=34.77	Pass
		Outer_Full	19.67	/	/	12.02	/	/	<=34.77	Pass
		Inner_Full	19.66	/	/	12.01	/	/	<=34.77	Pass
		Inner_1RB_Left	19.39	/	/	11.74	/	/	<=34.77	Pass
		Inner_1RB_Right	19.11	/	/	11.46	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	19.19	/	/	11.54	/	/	<=34.77	Pass
		Edge_1RB_Right	19.20	/	/	11.55	/	/	<=34.77	Pass
		Outer_Full	19.67	/	/	12.02	/	/	<=34.77	Pass
		Inner_Full	19.64	/	/	11.99	/	/	<=34.77	Pass
		Inner_1RB_Left	19.16	/	/	11.51	/	/	<=34.77	Pass
		Inner_1RB_Right	19.14	/	/	11.49	/	/	<=34.77	Pass
CP-OFDM QPSK	670.5	Edge_1RB_Left	21.25	/	/	13.60	/	/	<=34.77	Pass
		Edge_1RB_Right	21.31	/	/	13.66	/	/	<=34.77	Pass
		Outer_Full	21.25	/	/	13.60	/	/	<=34.77	Pass
		Inner_Full	22.66	/	/	15.01	/	/	<=34.77	Pass
		Inner_1RB_Left	22.66	/	/	15.01	/	/	<=34.77	Pass
		Inner_1RB_Right	22.82	/	/	15.17	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.28	/	/	13.63	/	/	<=34.77	Pass
		Edge_1RB_Right	21.11	/	/	13.46	/	/	<=34.77	Pass
		Outer_Full	21.24	/	/	13.59	/	/	<=34.77	Pass
		Inner_Full	22.71	/	/	15.06	/	/	<=34.77	Pass
		Inner_1RB_Left	22.74	/	/	15.09	/	/	<=34.77	Pass
		Inner_1RB_Right	22.61	/	/	14.96	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	21.17	/	/	13.52	/	/	<=34.77	Pass
		Edge_1RB_Right	21.00	/	/	13.35	/	/	<=34.77	Pass
		Outer_Full	21.20	/	/	13.55	/	/	<=34.77	Pass
		Inner_Full	22.67	/	/	15.02	/	/	<=34.77	Pass
		Inner_1RB_Left	22.98	/	/	15.33	/	/	<=34.77	Pass
		Inner_1RB_Right	22.91	/	/	15.26	/	/	<=34.77	Pass
CP-OFDM 16 QAM	670.5	Edge_1RB_Left	21.34	/	/	13.69	/	/	<=34.77	Pass
		Edge_1RB_Right	21.40	/	/	13.75	/	/	<=34.77	Pass
		Outer_Full	21.28	/	/	13.63	/	/	<=34.77	Pass
		Inner_Full	22.34	/	/	14.69	/	/	<=34.77	Pass
		Inner_1RB_Left	22.36	/	/	14.71	/	/	<=34.77	Pass
		Inner_1RB_Right	22.35	/	/	14.70	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.42	/	/	13.77	/	/	<=34.77	Pass
		Edge_1RB_Right	21.23	/	/	13.58	/	/	<=34.77	Pass

		Outer_Full	21.21	/	/	13.56	/	/	<=34.77	Pass
		Inner_Full	22.39	/	/	14.74	/	/	<=34.77	Pass
		Inner_1RB_Left	22.47	/	/	14.82	/	/	<=34.77	Pass
		Inner_1RB_Right	22.28	/	/	14.63	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	21.32	/	/	13.67	/	/	<=34.77	Pass
		Edge_1RB_Right	21.25	/	/	13.60	/	/	<=34.77	Pass
		Outer_Full	21.14	/	/	13.49	/	/	<=34.77	Pass
		Inner_Full	22.35	/	/	14.70	/	/	<=34.77	Pass
		Inner_1RB_Left	22.21	/	/	14.56	/	/	<=34.77	Pass
		Inner_1RB_Right	22.36	/	/	14.71	/	/	<=34.77	Pass
CP-OFDM 64 QAM	670.5	Edge_1RB_Left	20.87	/	/	13.22	/	/	<=34.77	Pass
		Edge_1RB_Right	20.81	/	/	13.16	/	/	<=34.77	Pass
		Outer_Full	20.67	/	/	13.02	/	/	<=34.77	Pass
		Inner_Full	20.73	/	/	13.08	/	/	<=34.77	Pass
		Inner_1RB_Left	20.74	/	/	13.09	/	/	<=34.77	Pass
		Inner_1RB_Right	20.91	/	/	13.26	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.91	/	/	13.26	/	/	<=34.77	Pass
		Edge_1RB_Right	20.59	/	/	12.94	/	/	<=34.77	Pass
		Outer_Full	20.68	/	/	13.03	/	/	<=34.77	Pass
		Inner_Full	20.78	/	/	13.13	/	/	<=34.77	Pass
		Inner_1RB_Left	20.88	/	/	13.23	/	/	<=34.77	Pass
		Inner_1RB_Right	20.50	/	/	12.85	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	20.67	/	/	13.02	/	/	<=34.77	Pass
		Edge_1RB_Right	20.67	/	/	13.02	/	/	<=34.77	Pass
		Outer_Full	20.64	/	/	12.99	/	/	<=34.77	Pass
		Inner_Full	20.65	/	/	13.00	/	/	<=34.77	Pass
		Inner_1RB_Left	20.68	/	/	13.03	/	/	<=34.77	Pass
		Inner_1RB_Right	20.69	/	/	13.04	/	/	<=34.77	Pass
CP-OFDM 256 QAM	670.5	Edge_1RB_Left	17.43	/	/	9.78	/	/	<=34.77	Pass
		Edge_1RB_Right	17.33	/	/	9.68	/	/	<=34.77	Pass
		Outer_Full	17.69	/	/	10.04	/	/	<=34.77	Pass
		Inner_Full	17.65	/	/	10.00	/	/	<=34.77	Pass
		Inner_1RB_Left	17.35	/	/	9.70	/	/	<=34.77	Pass
		Inner_1RB_Right	17.46	/	/	9.81	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	17.41	/	/	9.76	/	/	<=34.77	Pass
		Edge_1RB_Right	17.21	/	/	9.56	/	/	<=34.77	Pass
		Outer_Full	17.74	/	/	10.09	/	/	<=34.77	Pass
		Inner_Full	17.74	/	/	10.09	/	/	<=34.77	Pass
		Inner_1RB_Left	17.42	/	/	9.77	/	/	<=34.77	Pass
		Inner_1RB_Right	17.20	/	/	9.55	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	17.26	/	/	9.61	/	/	<=34.77	Pass
		Edge_1RB_Right	17.26	/	/	9.61	/	/	<=34.77	Pass
		Outer_Full	17.61	/	/	9.96	/	/	<=34.77	Pass
		Inner_Full	17.67	/	/	10.02	/	/	<=34.77	Pass
		Inner_1RB_Left	17.21	/	/	9.56	/	/	<=34.77	Pass
		Inner_1RB_Right	17.24	/	/	9.59	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -5.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.4 15k_SISO_20MHz_NTNV_ERP

1.4.1 Test Result

5G NR n71 SCS=15kHz SISO 20MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2	673	Edge_1RB_Left	23.32	/	/	15.67	/	/	<=34.77	Pass

BPSK		Edge_1RB_Right	23.16	/	/	15.51	/	/	<=34.77	Pass
		Outer_Full	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_Full	23.31	/	/	15.66	/	/	<=34.77	Pass
		Inner_1RB_Left	23.21	/	/	15.56	/	/	<=34.77	Pass
		Inner_1RB_Right	23.19	/	/	15.54	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.35	/	/	15.70	/	/	<=34.77	Pass
		Edge_1RB_Right	23.26	/	/	15.61	/	/	<=34.77	Pass
		Outer_Full	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_Full	23.34	/	/	15.69	/	/	<=34.77	Pass
		Inner_1RB_Left	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Right	23.20	/	/	15.55	/	/	<=34.77	Pass
	688	Edge_1RB_Left	23.30	/	/	15.65	/	/	<=34.77	Pass
		Edge_1RB_Right	23.10	/	/	15.45	/	/	<=34.77	Pass
		Outer_Full	23.30	/	/	15.65	/	/	<=34.77	Pass
		Inner_Full	23.25	/	/	15.60	/	/	<=34.77	Pass
		Inner_1RB_Left	23.37	/	/	15.72	/	/	<=34.77	Pass
		Inner_1RB_Right	23.21	/	/	15.56	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	673	Edge_1RB_Left	23.32	/	/	15.67	/	/	<=34.77	Pass
		Edge_1RB_Right	23.15	/	/	15.50	/	/	<=34.77	Pass
		Outer_Full	23.35	/	/	15.70	/	/	<=34.77	Pass
		Inner_Full	23.25	/	/	15.60	/	/	<=34.77	Pass
		Inner_1RB_Left	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_1RB_Right	23.17	/	/	15.52	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.30	/	/	15.65	/	/	<=34.77	Pass
		Edge_1RB_Right	23.16	/	/	15.51	/	/	<=34.77	Pass
		Outer_Full	23.32	/	/	15.67	/	/	<=34.77	Pass
		Inner_Full	23.32	/	/	15.67	/	/	<=34.77	Pass
		Inner_1RB_Left	23.21	/	/	15.56	/	/	<=34.77	Pass
		Inner_1RB_Right	23.23	/	/	15.58	/	/	<=34.77	Pass
	688	Edge_1RB_Left	23.33	/	/	15.68	/	/	<=34.77	Pass
		Edge_1RB_Right	23.17	/	/	15.52	/	/	<=34.77	Pass
		Outer_Full	23.25	/	/	15.60	/	/	<=34.77	Pass
		Inner_Full	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Left	23.34	/	/	15.69	/	/	<=34.77	Pass
		Inner_1RB_Right	23.14	/	/	15.49	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	673	Edge_1RB_Left	22.13	/	/	14.48	/	/	<=34.77	Pass
		Edge_1RB_Right	22.08	/	/	14.43	/	/	<=34.77	Pass
		Outer_Full	22.22	/	/	14.57	/	/	<=34.77	Pass
		Inner_Full	23.32	/	/	15.67	/	/	<=34.77	Pass
		Inner_1RB_Left	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_1RB_Right	23.21	/	/	15.56	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.15	/	/	14.50	/	/	<=34.77	Pass
		Edge_1RB_Right	22.01	/	/	14.36	/	/	<=34.77	Pass
		Outer_Full	22.31	/	/	14.66	/	/	<=34.77	Pass
		Inner_Full	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Left	23.26	/	/	15.61	/	/	<=34.77	Pass
		Inner_1RB_Right	23.20	/	/	15.55	/	/	<=34.77	Pass
	688	Edge_1RB_Left	22.25	/	/	14.60	/	/	<=34.77	Pass
		Edge_1RB_Right	22.05	/	/	14.40	/	/	<=34.77	Pass
		Outer_Full	22.24	/	/	14.59	/	/	<=34.77	Pass
		Inner_Full	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Left	23.28	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Right	23.06	/	/	15.41	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	673	Edge_1RB_Left	21.98	/	/	14.33	/	/	<=34.77	Pass
		Edge_1RB_Right	21.85	/	/	14.20	/	/	<=34.77	Pass
		Outer_Full	21.87	/	/	14.22	/	/	<=34.77	Pass
		Inner_Full	21.95	/	/	14.30	/	/	<=34.77	Pass
		Inner_1RB_Left	21.92	/	/	14.27	/	/	<=34.77	Pass
		Inner_1RB_Right	21.86	/	/	14.21	/	/	<=34.77	Pass

	680.5	Edge_1RB_Left	21.93	/	/	14.28	/	/	<=34.77	Pass
		Edge_1RB_Right	21.84	/	/	14.19	/	/	<=34.77	Pass
		Outer_Full	21.82	/	/	14.17	/	/	<=34.77	Pass
		Inner_Full	21.87	/	/	14.22	/	/	<=34.77	Pass
		Inner_1RB_Left	21.95	/	/	14.30	/	/	<=34.77	Pass
		Inner_1RB_Right	21.87	/	/	14.22	/	/	<=34.77	Pass
	688	Edge_1RB_Left	21.90	/	/	14.25	/	/	<=34.77	Pass
		Edge_1RB_Right	21.76	/	/	14.11	/	/	<=34.77	Pass
		Outer_Full	21.78	/	/	14.13	/	/	<=34.77	Pass
		Inner_Full	21.79	/	/	14.14	/	/	<=34.77	Pass
		Inner_1RB_Left	21.98	/	/	14.33	/	/	<=34.77	Pass
		Inner_1RB_Right	21.71	/	/	14.06	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	673	Edge_1RB_Left	19.26	/	/	11.61	/	/	<=34.77	Pass
		Edge_1RB_Right	19.24	/	/	11.59	/	/	<=34.77	Pass
		Outer_Full	19.79	/	/	12.14	/	/	<=34.77	Pass
		Inner_Full	19.80	/	/	12.15	/	/	<=34.77	Pass
		Inner_1RB_Left	19.20	/	/	11.55	/	/	<=34.77	Pass
		Inner_1RB_Right	19.20	/	/	11.55	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	19.13	/	/	11.48	/	/	<=34.77	Pass
		Edge_1RB_Right	19.25	/	/	11.60	/	/	<=34.77	Pass
		Outer_Full	19.83	/	/	12.18	/	/	<=34.77	Pass
		Inner_Full	19.73	/	/	12.08	/	/	<=34.77	Pass
		Inner_1RB_Left	19.21	/	/	11.56	/	/	<=34.77	Pass
		Inner_1RB_Right	19.19	/	/	11.54	/	/	<=34.77	Pass
	688	Edge_1RB_Left	19.25	/	/	11.60	/	/	<=34.77	Pass
		Edge_1RB_Right	19.22	/	/	11.57	/	/	<=34.77	Pass
		Outer_Full	19.73	/	/	12.08	/	/	<=34.77	Pass
		Inner_Full	19.69	/	/	12.04	/	/	<=34.77	Pass
		Inner_1RB_Left	19.33	/	/	11.68	/	/	<=34.77	Pass
		Inner_1RB_Right	19.19	/	/	11.54	/	/	<=34.77	Pass
CP-OFDM QPSK	673	Edge_1RB_Left	21.22	/	/	13.57	/	/	<=34.77	Pass
		Edge_1RB_Right	21.10	/	/	13.45	/	/	<=34.77	Pass
		Outer_Full	21.36	/	/	13.71	/	/	<=34.77	Pass
		Inner_Full	22.81	/	/	15.16	/	/	<=34.77	Pass
		Inner_1RB_Left	22.66	/	/	15.01	/	/	<=34.77	Pass
		Inner_1RB_Right	22.63	/	/	14.98	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.32	/	/	13.67	/	/	<=34.77	Pass
		Edge_1RB_Right	21.12	/	/	13.47	/	/	<=34.77	Pass
		Outer_Full	21.27	/	/	13.62	/	/	<=34.77	Pass
		Inner_Full	22.73	/	/	15.08	/	/	<=34.77	Pass
		Inner_1RB_Left	22.84	/	/	15.19	/	/	<=34.77	Pass
		Inner_1RB_Right	22.66	/	/	15.01	/	/	<=34.77	Pass
	688	Edge_1RB_Left	21.32	/	/	13.67	/	/	<=34.77	Pass
		Edge_1RB_Right	21.07	/	/	13.42	/	/	<=34.77	Pass
		Outer_Full	21.21	/	/	13.56	/	/	<=34.77	Pass
		Inner_Full	22.68	/	/	15.03	/	/	<=34.77	Pass
		Inner_1RB_Left	22.92	/	/	15.27	/	/	<=34.77	Pass
		Inner_1RB_Right	22.58	/	/	14.93	/	/	<=34.77	Pass
CP-OFDM 16 QAM	673	Edge_1RB_Left	21.34	/	/	13.69	/	/	<=34.77	Pass
		Edge_1RB_Right	21.22	/	/	13.57	/	/	<=34.77	Pass
		Outer_Full	21.25	/	/	13.60	/	/	<=34.77	Pass
		Inner_Full	22.35	/	/	14.70	/	/	<=34.77	Pass
		Inner_1RB_Left	22.37	/	/	14.72	/	/	<=34.77	Pass
		Inner_1RB_Right	22.26	/	/	14.61	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.15	/	/	13.50	/	/	<=34.77	Pass
		Edge_1RB_Right	21.23	/	/	13.58	/	/	<=34.77	Pass
		Outer_Full	21.23	/	/	13.58	/	/	<=34.77	Pass
		Inner_Full	22.25	/	/	14.60	/	/	<=34.77	Pass
		Inner_1RB_Left	22.38	/	/	14.73	/	/	<=34.77	Pass

		Inner_1RB_Right	22.40	/	/	14.75	/	/	<=34.77	Pass
	688	Edge_1RB_Left	21.46	/	/	13.81	/	/	<=34.77	Pass
		Edge_1RB_Right	21.23	/	/	13.58	/	/	<=34.77	Pass
		Outer_Full	21.21	/	/	13.56	/	/	<=34.77	Pass
		Inner_Full	22.22	/	/	14.57	/	/	<=34.77	Pass
		Inner_1RB_Left	22.42	/	/	14.77	/	/	<=34.77	Pass
		Inner_1RB_Right	22.30	/	/	14.65	/	/	<=34.77	Pass
CP-OFDM 64 QAM	673	Edge_1RB_Left	20.86	/	/	13.21	/	/	<=34.77	Pass
		Edge_1RB_Right	20.78	/	/	13.13	/	/	<=34.77	Pass
		Outer_Full	20.74	/	/	13.09	/	/	<=34.77	Pass
		Inner_Full	20.89	/	/	13.24	/	/	<=34.77	Pass
		Inner_1RB_Left	20.84	/	/	13.19	/	/	<=34.77	Pass
		Inner_1RB_Right	20.71	/	/	13.06	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.90	/	/	13.25	/	/	<=34.77	Pass
		Edge_1RB_Right	20.79	/	/	13.14	/	/	<=34.77	Pass
		Outer_Full	20.77	/	/	13.12	/	/	<=34.77	Pass
		Inner_Full	20.84	/	/	13.19	/	/	<=34.77	Pass
		Inner_1RB_Left	20.78	/	/	13.13	/	/	<=34.77	Pass
		Inner_1RB_Right	20.76	/	/	13.11	/	/	<=34.77	Pass
	688	Edge_1RB_Left	20.84	/	/	13.19	/	/	<=34.77	Pass
		Edge_1RB_Right	20.58	/	/	12.93	/	/	<=34.77	Pass
		Outer_Full	20.69	/	/	13.04	/	/	<=34.77	Pass
		Inner_Full	20.75	/	/	13.10	/	/	<=34.77	Pass
		Inner_1RB_Left	20.87	/	/	13.22	/	/	<=34.77	Pass
		Inner_1RB_Right	20.71	/	/	13.06	/	/	<=34.77	Pass
CP-OFDM 256 QAM	673	Edge_1RB_Left	17.29	/	/	9.64	/	/	<=34.77	Pass
		Edge_1RB_Right	17.19	/	/	9.54	/	/	<=34.77	Pass
		Outer_Full	17.74	/	/	10.09	/	/	<=34.77	Pass
		Inner_Full	17.75	/	/	10.10	/	/	<=34.77	Pass
		Inner_1RB_Left	17.30	/	/	9.65	/	/	<=34.77	Pass
		Inner_1RB_Right	17.22	/	/	9.57	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	17.19	/	/	9.54	/	/	<=34.77	Pass
		Edge_1RB_Right	17.34	/	/	9.69	/	/	<=34.77	Pass
		Outer_Full	17.78	/	/	10.13	/	/	<=34.77	Pass
		Inner_Full	17.68	/	/	10.03	/	/	<=34.77	Pass
		Inner_1RB_Left	17.19	/	/	9.54	/	/	<=34.77	Pass
		Inner_1RB_Right	17.36	/	/	9.71	/	/	<=34.77	Pass
	688	Edge_1RB_Left	17.42	/	/	9.77	/	/	<=34.77	Pass
		Edge_1RB_Right	17.32	/	/	9.67	/	/	<=34.77	Pass
		Outer_Full	17.73	/	/	10.08	/	/	<=34.77	Pass
		Inner_Full	17.68	/	/	10.03	/	/	<=34.77	Pass
		Inner_1RB_Left	17.35	/	/	9.70	/	/	<=34.77	Pass
		Inner_1RB_Right	17.37	/	/	9.72	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -5.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 15k_SISO_20MHz

2.1.1 Test Result

5G NR n71 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	680.5	Outer_Full	20	LV	-13.70	-0.0201	>=-2.5 & <=2.5	Pass

BPSK				HV	-10.20	-0.0150	>=-2.5 & <=2.5	Pass
			-30	NV	-11.50	-0.0169	>=-2.5 & <=2.5	Pass
			-20	NV	-11.90	-0.0175	>=-2.5 & <=2.5	Pass
			-10	NV	-9.50	-0.0140	>=-2.5 & <=2.5	Pass
			0	NV	-12.30	-0.0181	>=-2.5 & <=2.5	Pass
			10	NV	-13.20	-0.0194	>=-2.5 & <=2.5	Pass
			20	NV	-11.30	-0.0166	>=-2.5 & <=2.5	Pass
			30	NV	-12.70	-0.0187	>=-2.5 & <=2.5	Pass
			40	NV	-10.20	-0.0150	>=-2.5 & <=2.5	Pass
			50	NV	-13.20	-0.0194	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	680.5	Outer_Full	20	LV	-11.00	-0.0162	>=-2.5 & <=2.5	Pass
				HV	-12.60	-0.0185	>=-2.5 & <=2.5	Pass
			-30	NV	-14.80	-0.0217	>=-2.5 & <=2.5	Pass
			-20	NV	-9.40	-0.0138	>=-2.5 & <=2.5	Pass
			-10	NV	-11.60	-0.0170	>=-2.5 & <=2.5	Pass
			0	NV	-11.50	-0.0169	>=-2.5 & <=2.5	Pass
			10	NV	-12.80	-0.0188	>=-2.5 & <=2.5	Pass
			20	NV	-12.60	-0.0185	>=-2.5 & <=2.5	Pass
			30	NV	-10.40	-0.0153	>=-2.5 & <=2.5	Pass
			40	NV	-11.10	-0.0163	>=-2.5 & <=2.5	Pass
			50	NV	-11.40	-0.0168	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	680.5	Outer_Full	20	LV	-12.20	-0.0179	>=-2.5 & <=2.5	Pass
				HV	-11.40	-0.0168	>=-2.5 & <=2.5	Pass
			-30	NV	-12.50	-0.0184	>=-2.5 & <=2.5	Pass
			-20	NV	-10.70	-0.0157	>=-2.5 & <=2.5	Pass
			-10	NV	-10.70	-0.0157	>=-2.5 & <=2.5	Pass
			0	NV	-11.00	-0.0162	>=-2.5 & <=2.5	Pass
			10	NV	-11.80	-0.0173	>=-2.5 & <=2.5	Pass
			20	NV	-12.90	-0.0190	>=-2.5 & <=2.5	Pass
			30	NV	-10.70	-0.0157	>=-2.5 & <=2.5	Pass
			40	NV	-12.30	-0.0181	>=-2.5 & <=2.5	Pass
			50	NV	-11.30	-0.0166	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	20	LV	-12.70	-0.0187	>=-2.5 & <=2.5	Pass
				HV	-12.10	-0.0178	>=-2.5 & <=2.5	Pass
			-30	NV	-10.20	-0.0150	>=-2.5 & <=2.5	Pass
			-20	NV	-10.60	-0.0156	>=-2.5 & <=2.5	Pass
			-10	NV	-11.00	-0.0162	>=-2.5 & <=2.5	Pass
			0	NV	-11.60	-0.0170	>=-2.5 & <=2.5	Pass
			10	NV	-13.80	-0.0203	>=-2.5 & <=2.5	Pass
			20	NV	-11.70	-0.0172	>=-2.5 & <=2.5	Pass
			30	NV	-10.20	-0.0150	>=-2.5 & <=2.5	Pass
			40	NV	-12.30	-0.0181	>=-2.5 & <=2.5	Pass
			50	NV	-10.60	-0.0156	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	680.5	Outer_Full	20	LV	-5.70	-0.0084	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0115	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0056	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
			-10	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0068	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0090	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0065	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0094	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0087	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	680.5	Outer_Full	20	LV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0094	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0137	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0062	>=-2.5 & <=2.5	Pass

			0	NV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0115	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass
			40	NV	-7.20	-0.0106	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0115	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	20	LV	-5.70	-0.0084	>=-2.5 & <=2.5	Pass
				HV	-9.10	-0.0134	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0118	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
			30	NV	-8.30	-0.0122	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0081	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	20	LV	-7.30	-0.0107	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0090	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0076	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0090	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0101	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0109	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0119	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0079	>=-2.5 & <=2.5	Pass
			50	NV	-5.80	-0.0085	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	20	LV	-5.10	-0.0075	>=-2.5 & <=2.5	Pass
				HV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
			-20	NV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0106	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0054	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0106	>=-2.5 & <=2.5	Pass
			30	NV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0082	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0087	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 15k_SISO_5MHz_NTNV

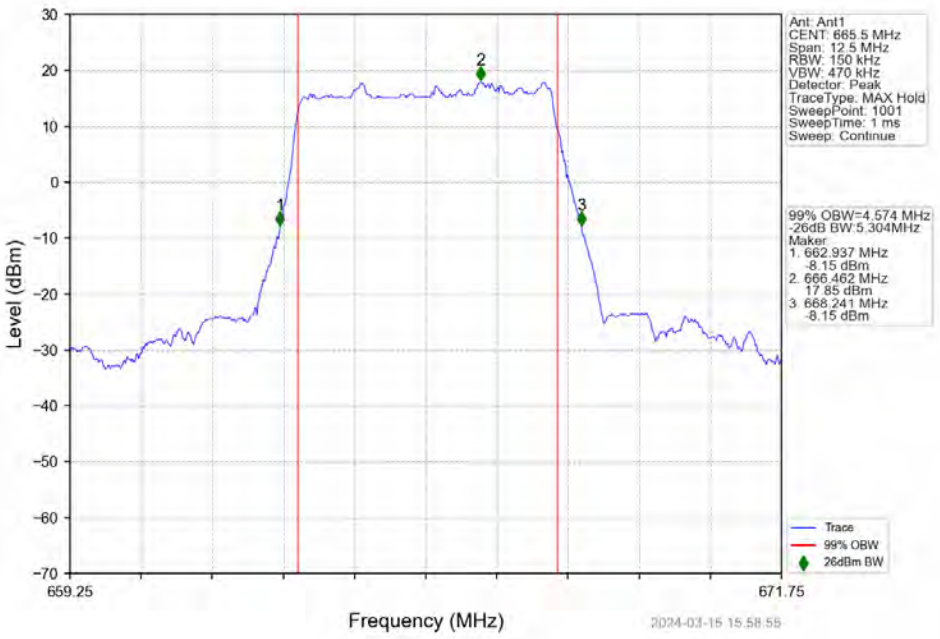
3.1.1 Test Result

5G NR n71 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	665.5	Outer_Full	4.57	5.30	/	Pass
	680.5	Outer_Full	4.56	5.33	/	Pass
	695.5	Outer_Full	4.53	5.23	/	Pass
DFT-s-OFDM QPSK	665.5	Outer_Full	4.53	5.18	/	Pass
	680.5	Outer_Full	4.55	5.31	/	Pass
	695.5	Outer_Full	4.53	5.15	/	Pass
DFT-s-OFDM 16 QAM	665.5	Outer_Full	4.60	5.29	/	Pass

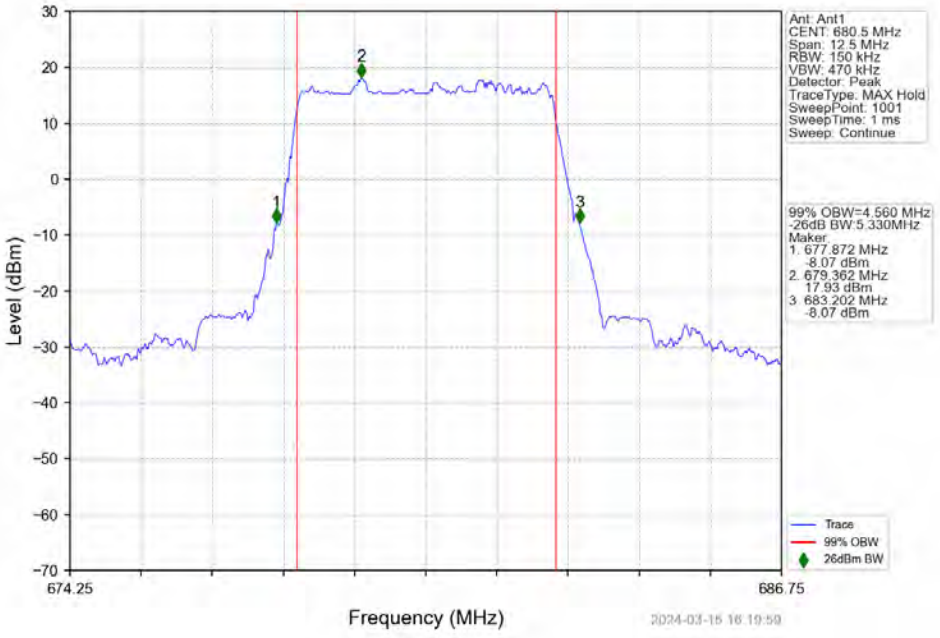
	680.5	Outer_Full	4.58	5.25	/	Pass
	695.5	Outer_Full	4.56	5.27	/	Pass
DFT-s-OFDM 64 QAM	665.5	Outer_Full	4.58	5.27	/	Pass
	680.5	Outer_Full	4.56	5.25	/	Pass
	695.5	Outer_Full	4.54	5.20	/	Pass
DFT-s-OFDM 256 QAM	665.5	Outer_Full	4.51	5.21	/	Pass
	680.5	Outer_Full	4.55	5.31	/	Pass
	695.5	Outer_Full	4.58	5.29	/	Pass
CP-OFDM QPSK	665.5	Outer_Full	4.55	5.27	/	Pass
	680.5	Outer_Full	4.54	5.35	/	Pass
	695.5	Outer_Full	4.56	5.42	/	Pass
CP-OFDM 16 QAM	665.5	Outer_Full	4.56	5.34	/	Pass
	680.5	Outer_Full	4.61	5.36	/	Pass
	695.5	Outer_Full	4.62	5.34	/	Pass
CP-OFDM 64 QAM	665.5	Outer_Full	4.54	5.29	/	Pass
	680.5	Outer_Full	4.56	5.31	/	Pass
	695.5	Outer_Full	4.55	5.36	/	Pass
CP-OFDM 256 QAM	665.5	Outer_Full	4.56	5.37	/	Pass
	680.5	Outer_Full	4.57	5.43	/	Pass
	695.5	Outer_Full	4.57	5.34	/	Pass

3.1.2 Test Graph

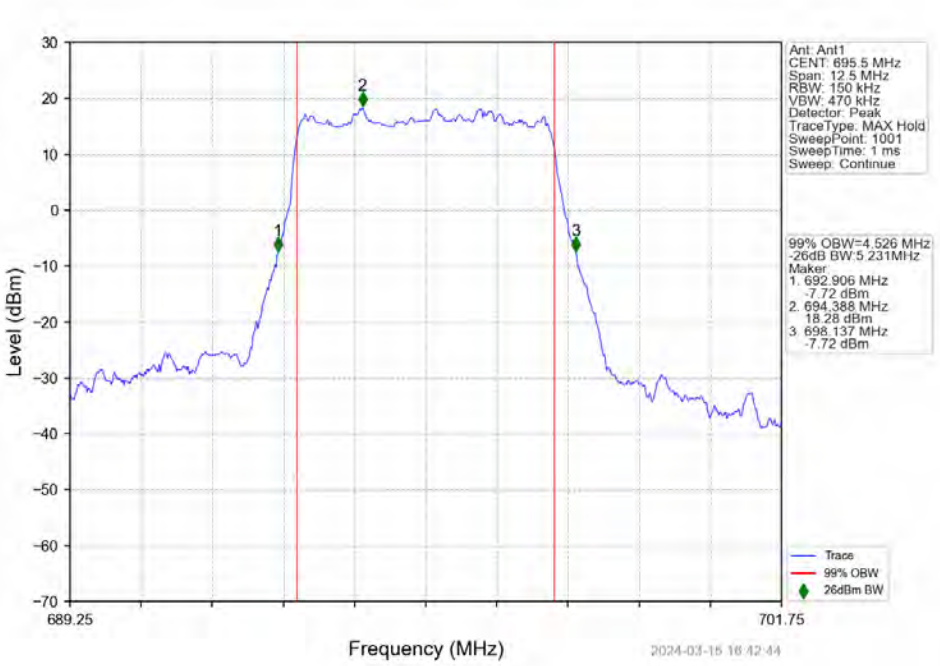
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_665.5MHz_Outer_Full



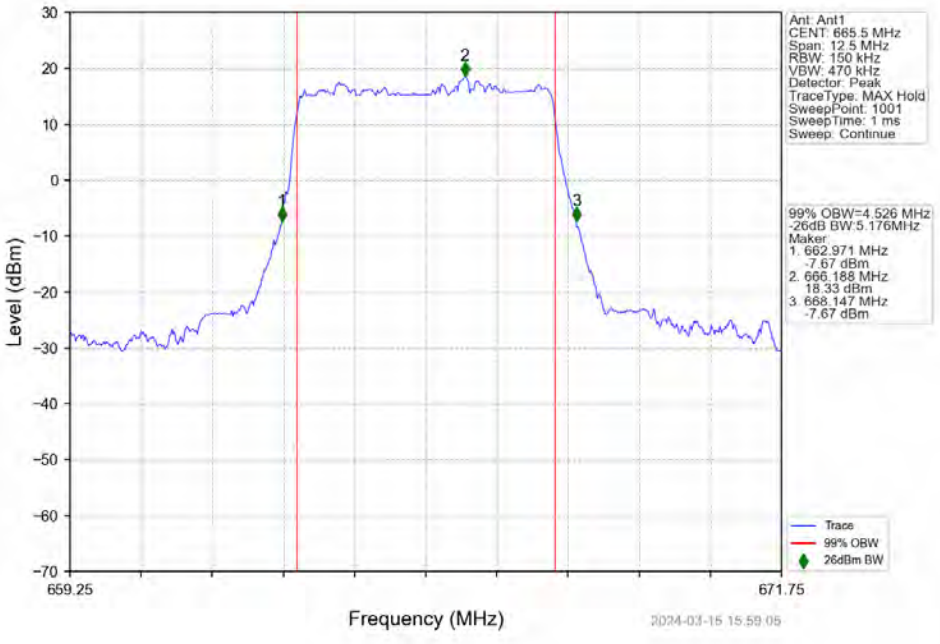
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Outer_Full



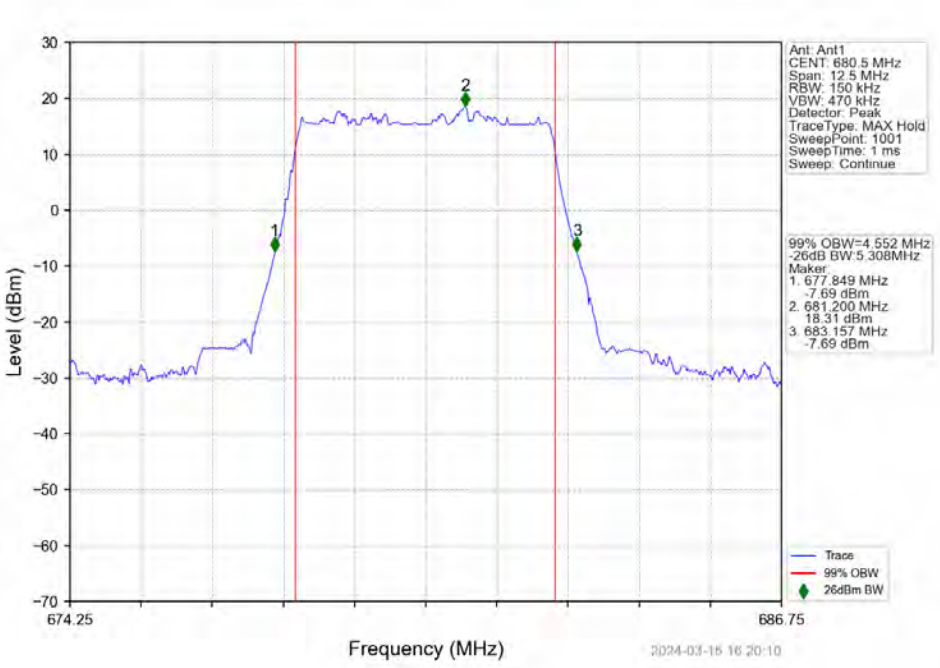
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_695.5MHz_Outer_Full



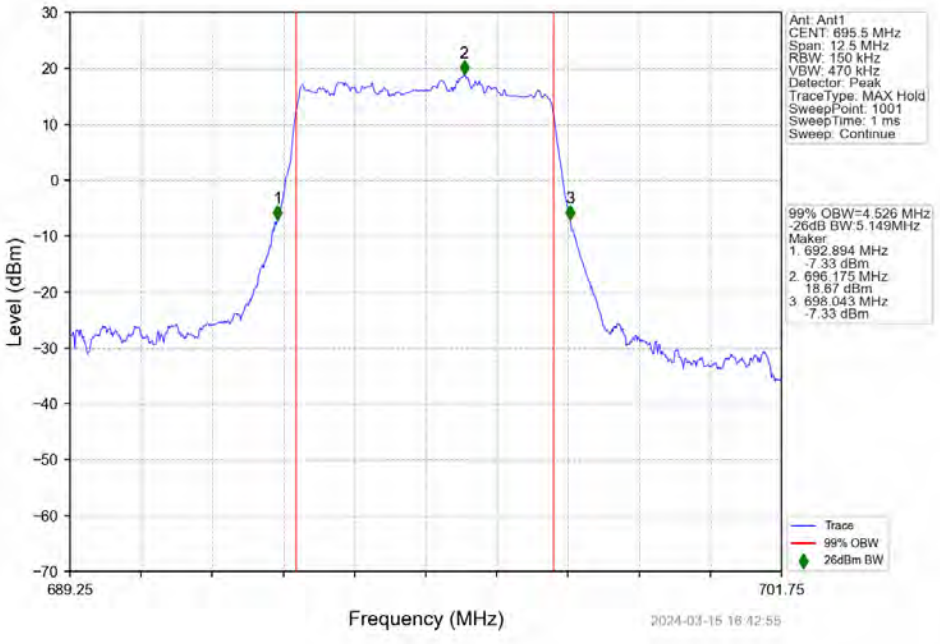
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_665.5MHz_Outer_Full



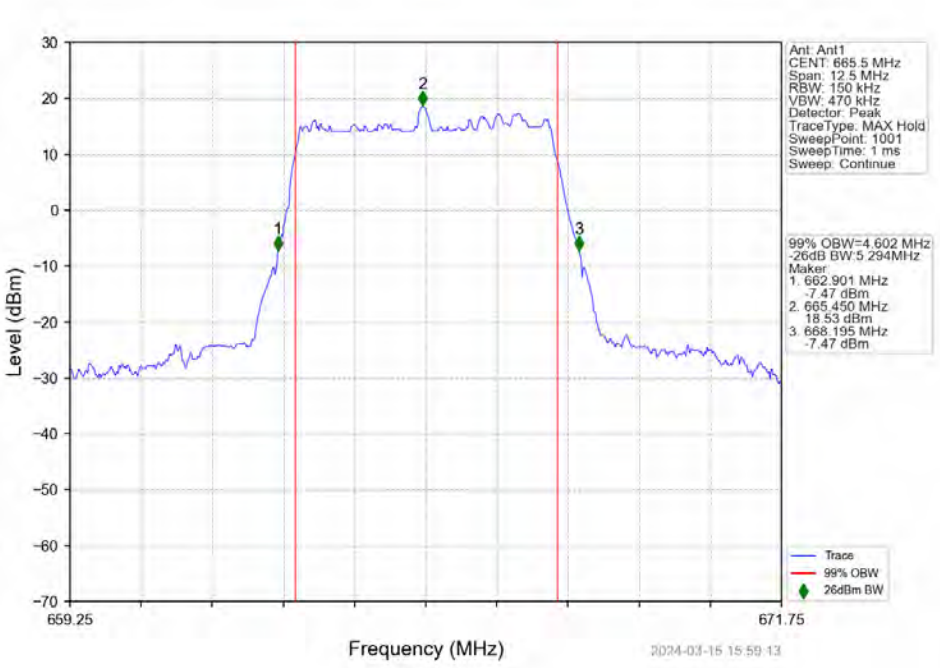
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_680.5MHz_Outer_Full



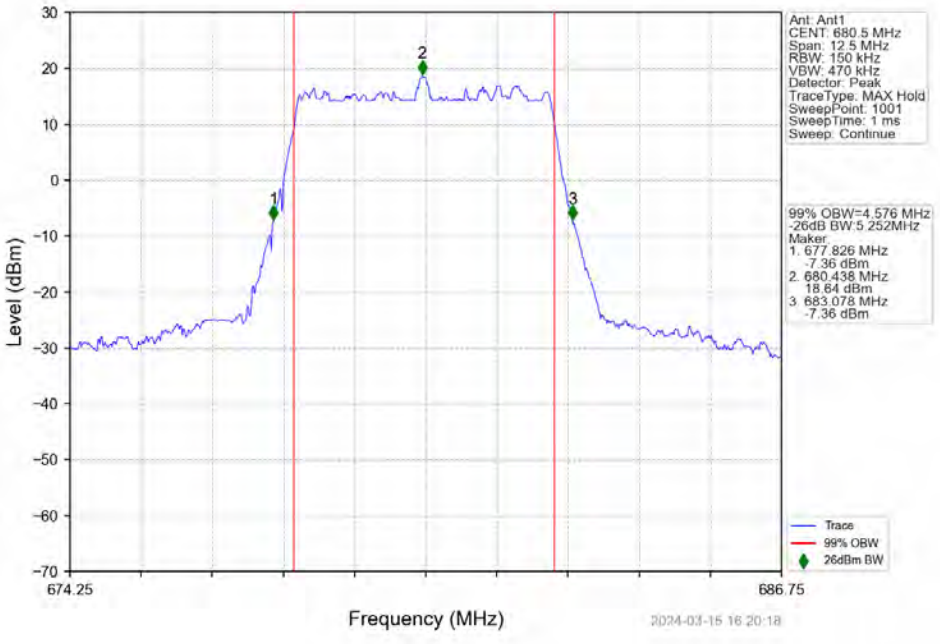
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_695.5MHz_Outer_Full



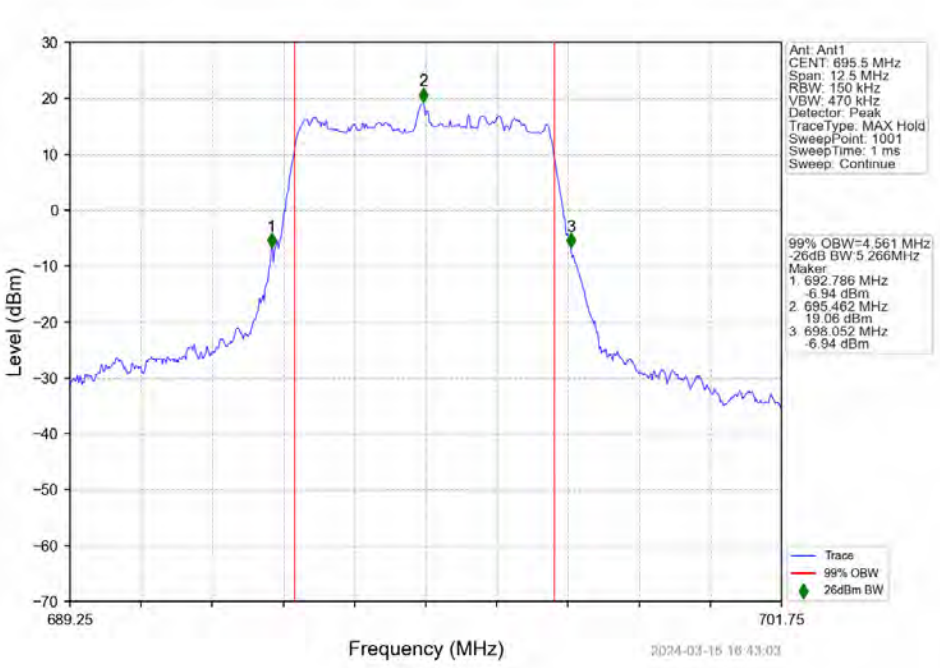
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_665.5MHz_Outer_Full



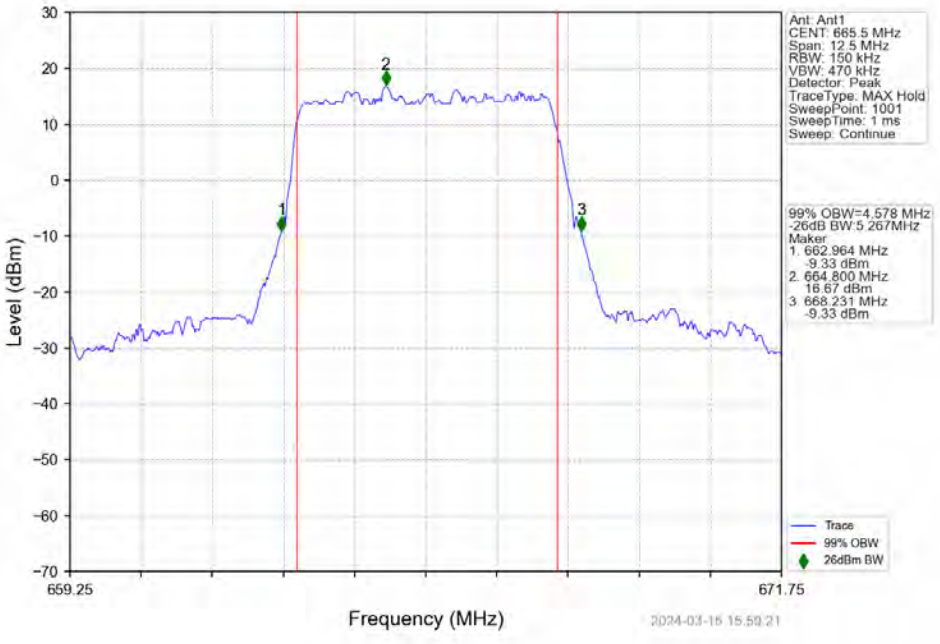
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_680.5MHz_Outer_Full



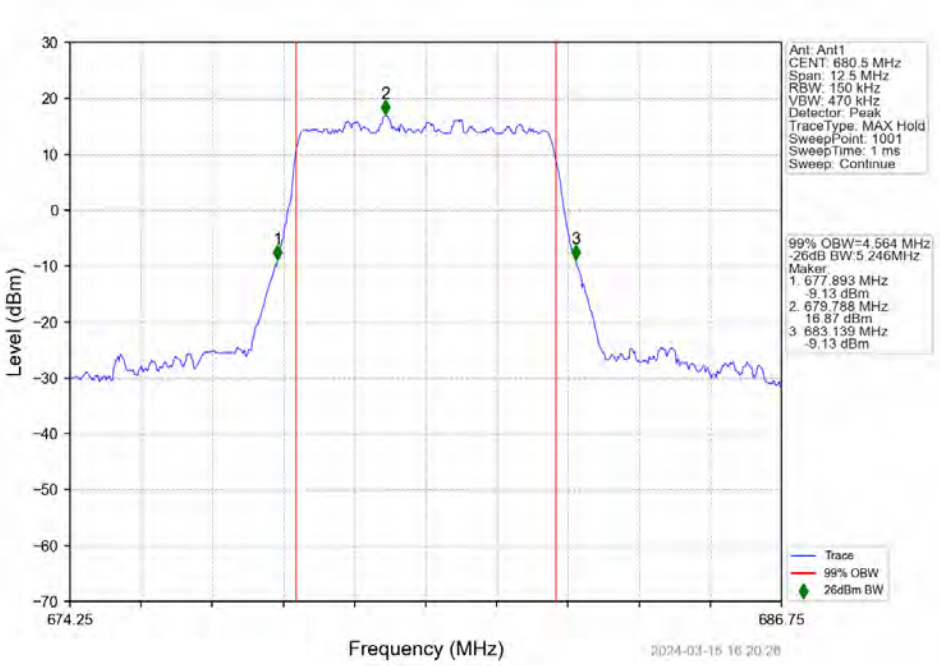
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_695.5MHz_Outer_Full



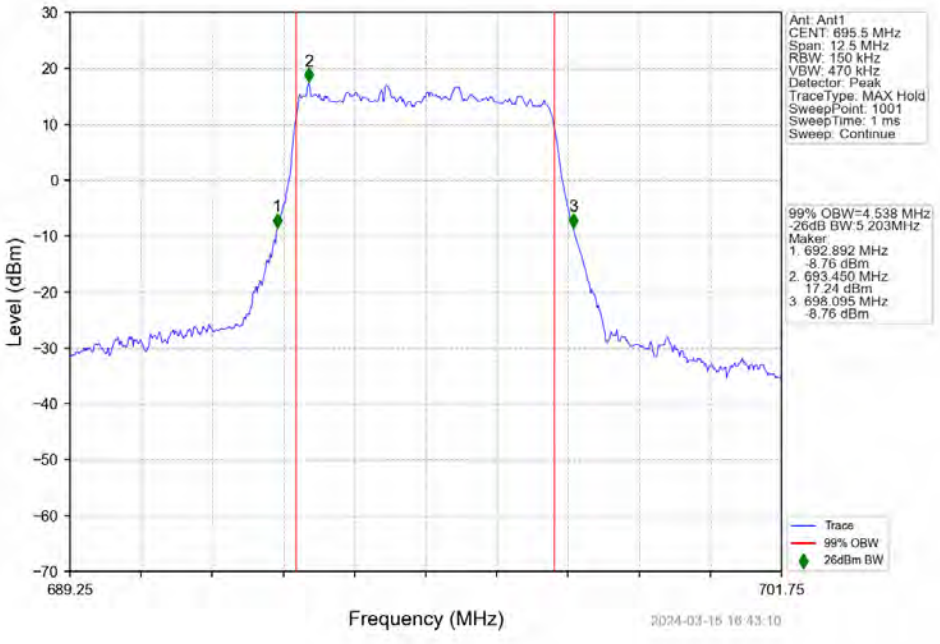
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_665.5MHz_Outer_Full



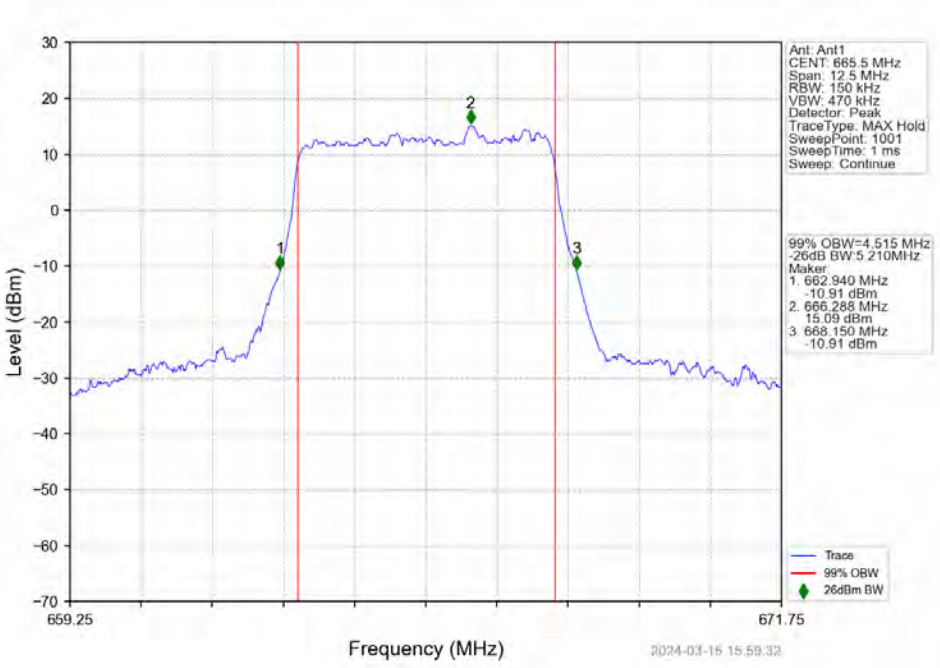
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_680.5MHz_Outer_Full



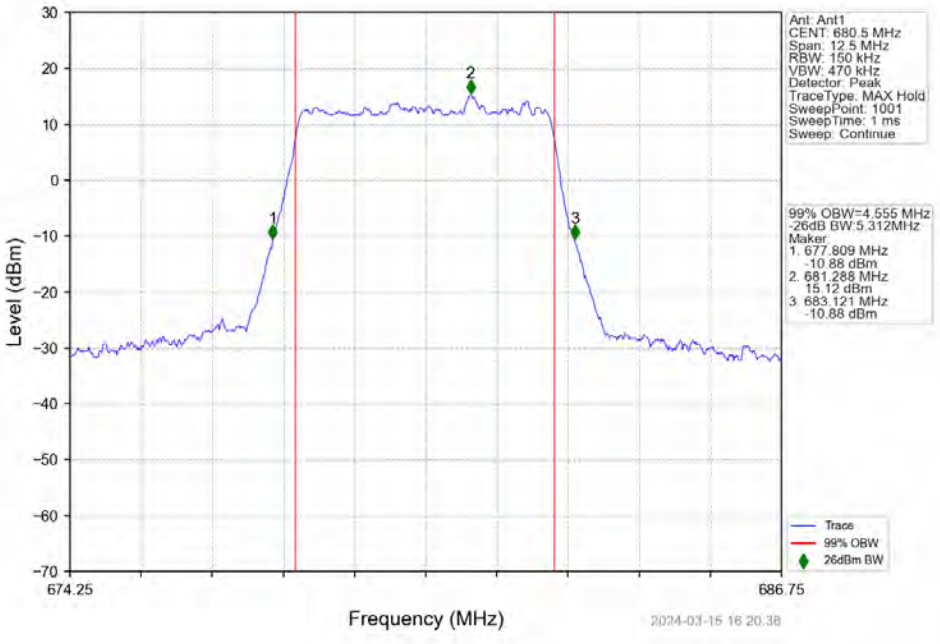
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_695.5MHz_Outer_Full



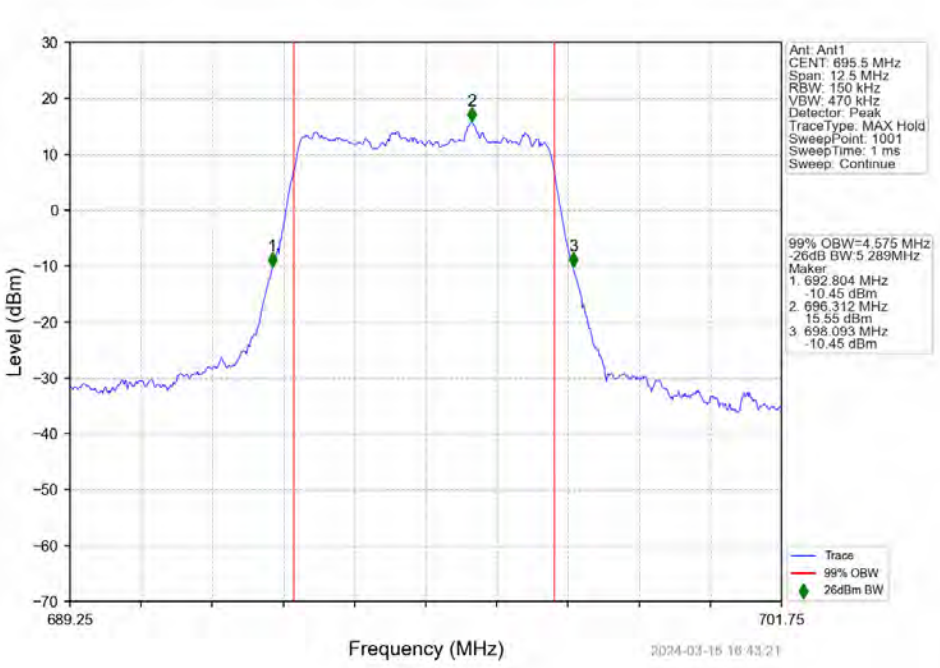
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_665.5MHz_Outer_Full



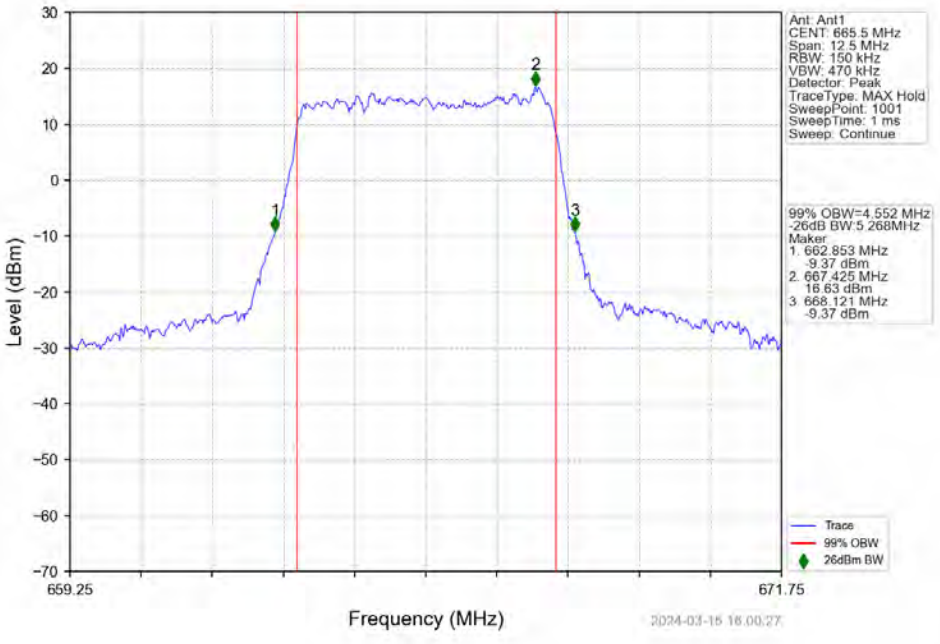
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_680.5MHz_Outer_Full



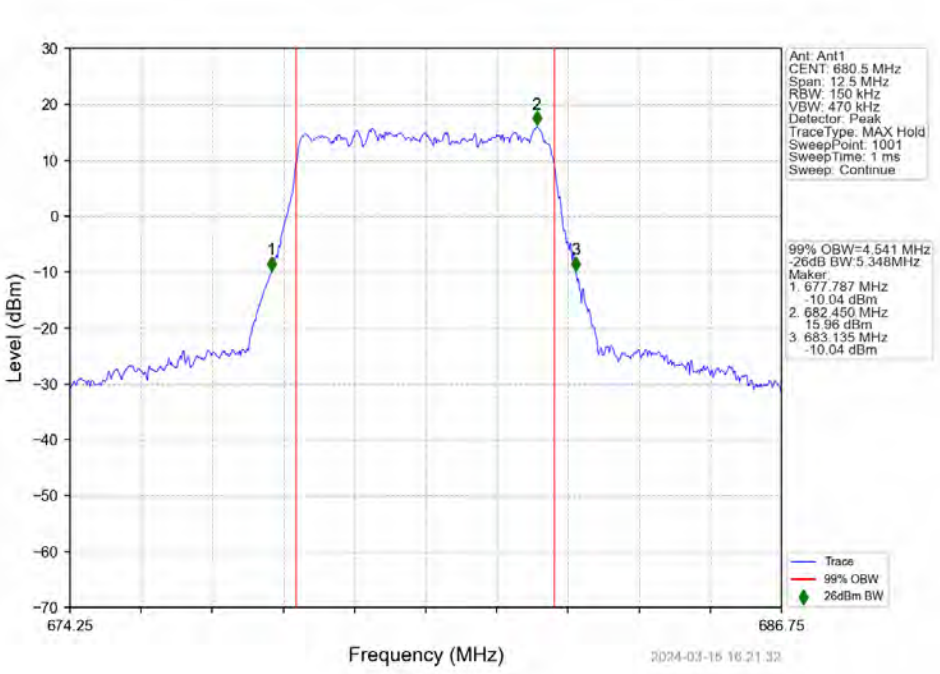
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_695.5MHz_Outer_Full



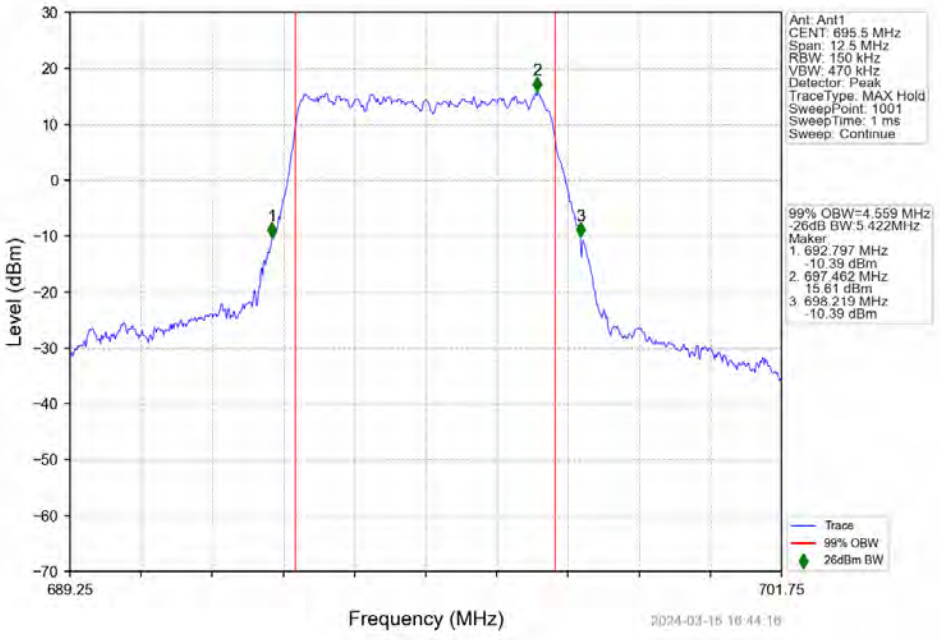
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_665.5MHz_Outer_Full



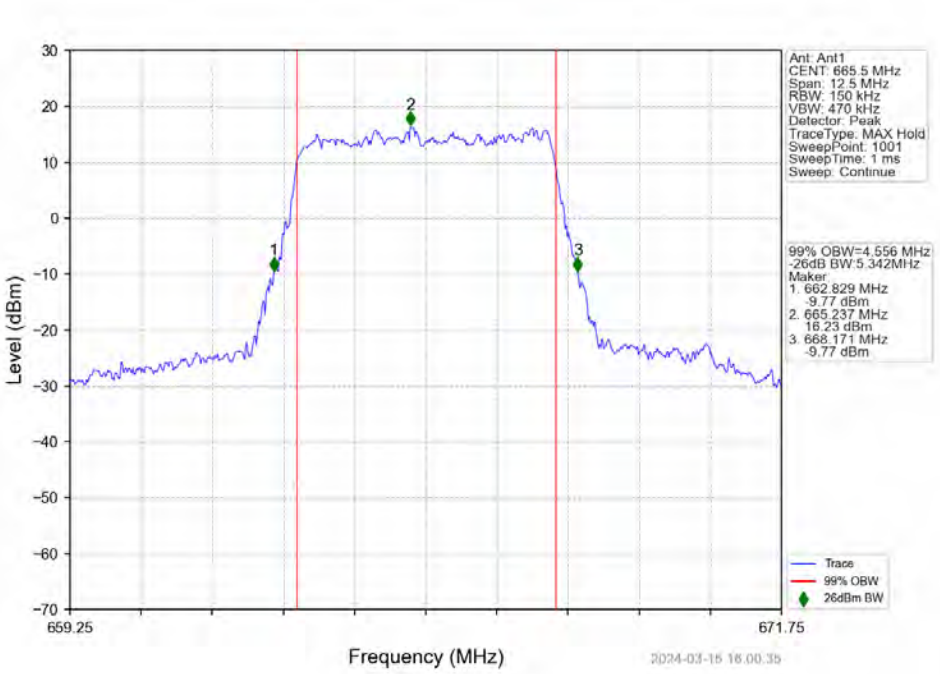
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_680.5MHz_Outer_Full



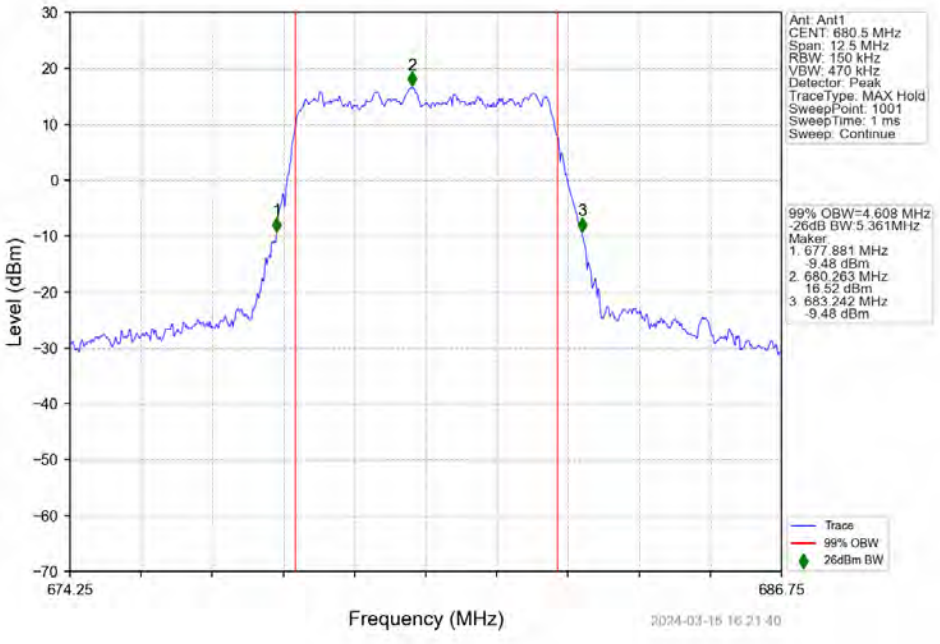
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_695.5MHz_Outer_Full



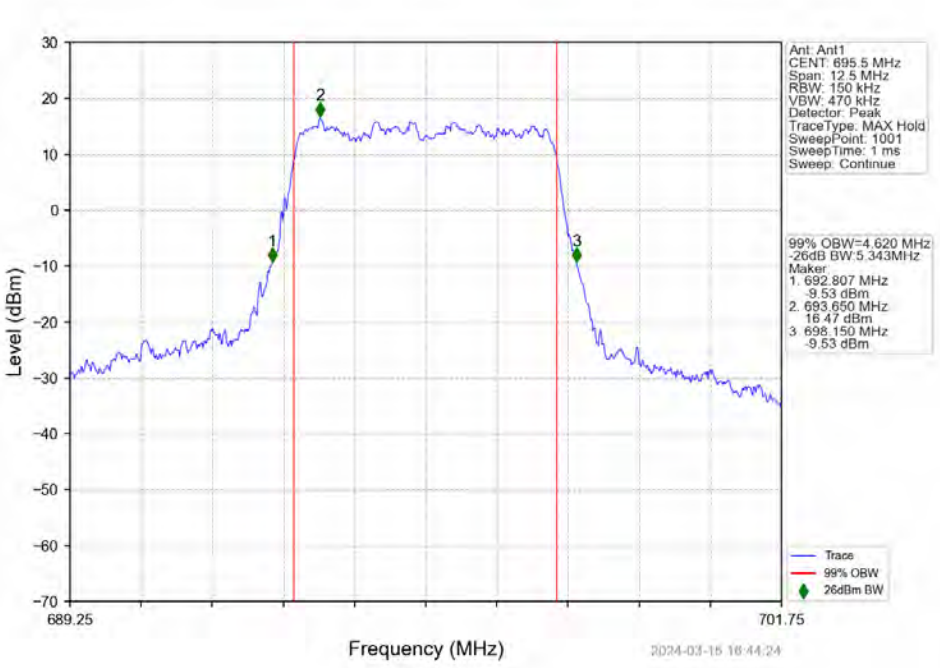
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_665.5MHz_Outer_Full



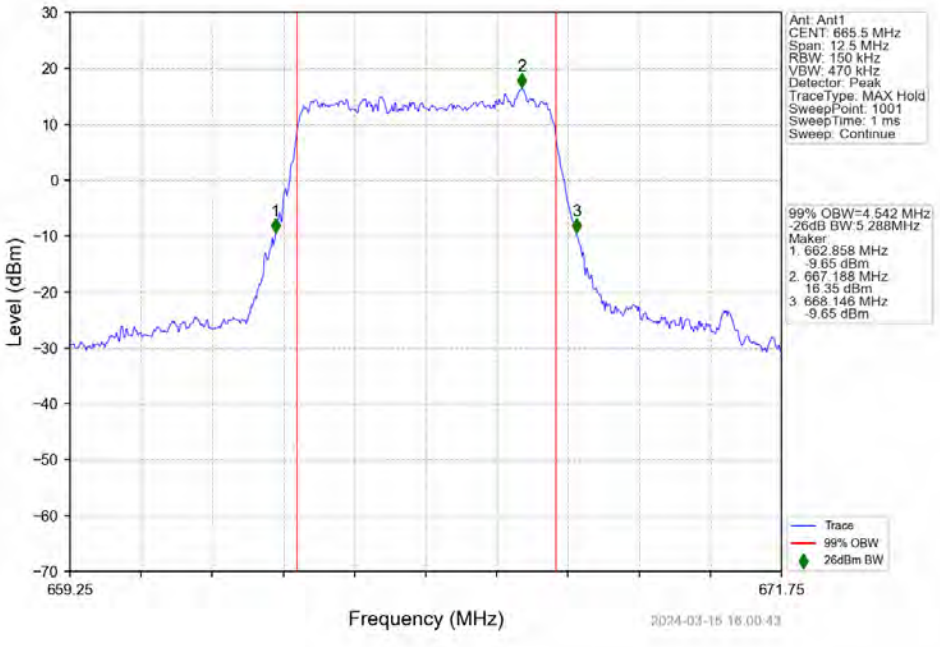
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_680.5MHz_Outer_Full



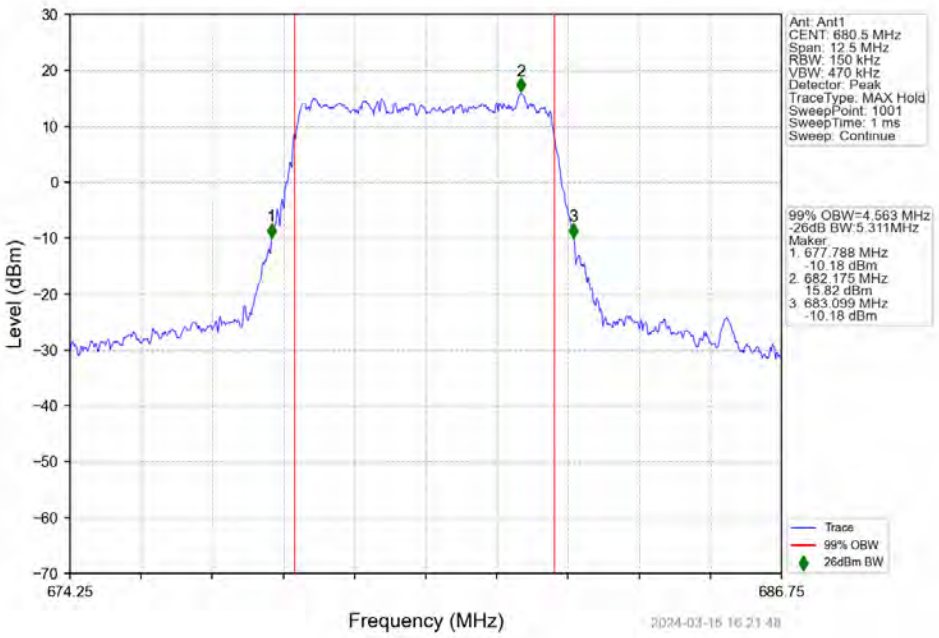
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_695.5MHz_Outer_Full



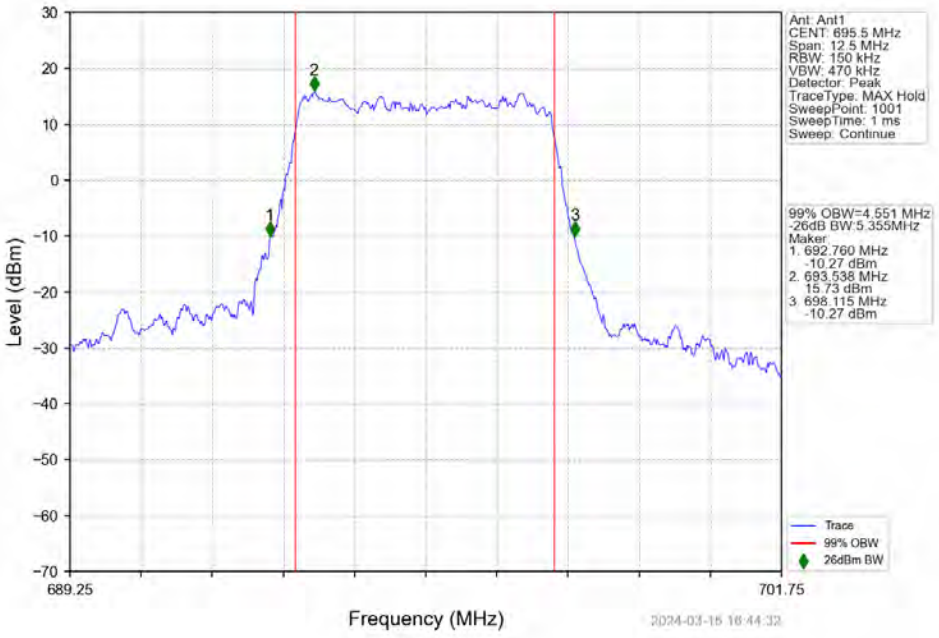
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_665.5MHz_Outer_Full



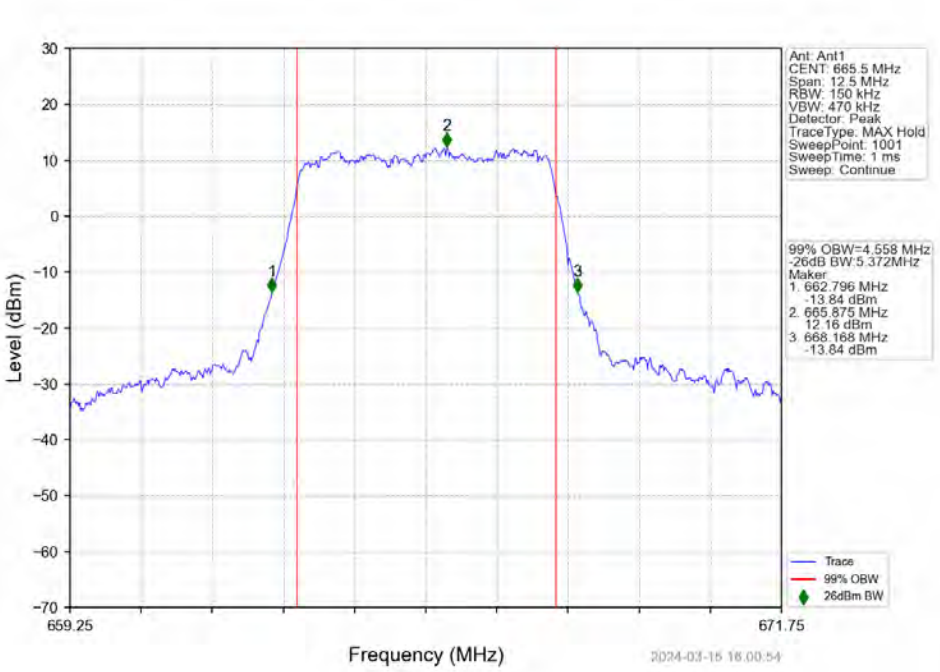
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_680.5MHz_Outer_Full



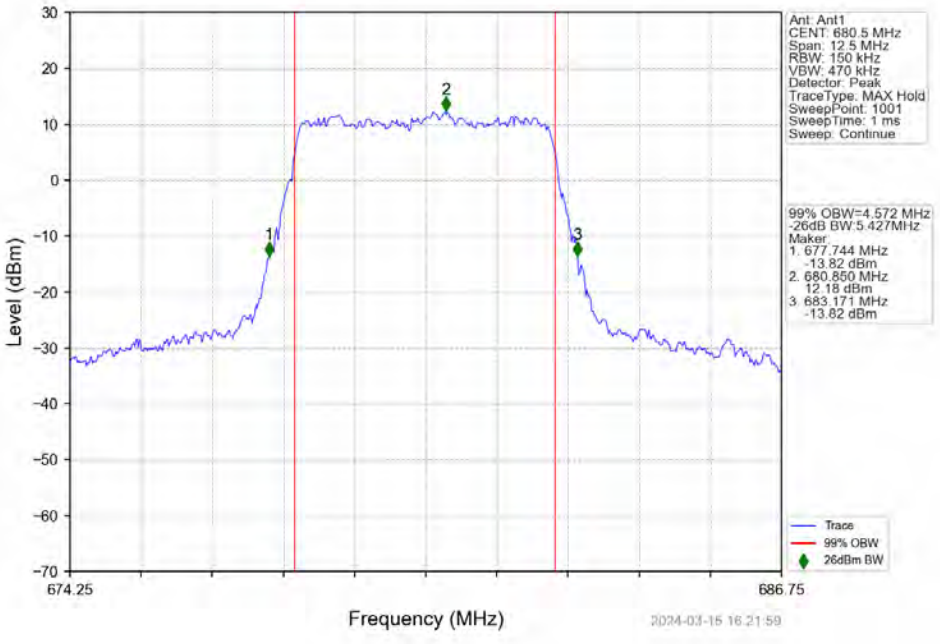
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_695.5MHz_Outer_Full



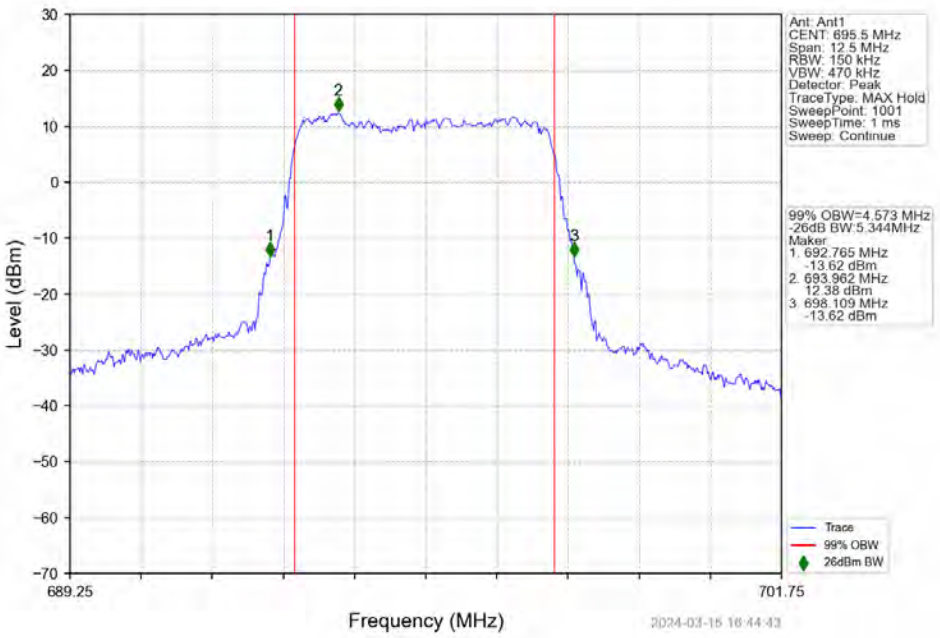
n71_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_665.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_680.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_695.5MHz_Outer_Full



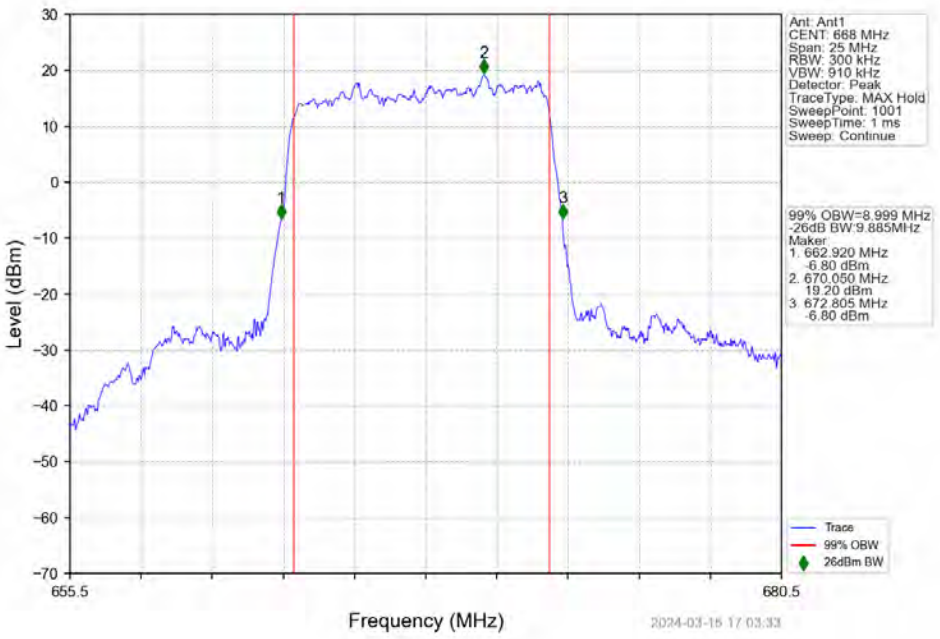
3.2 15k_SISO_10MHz_NTNV

3.2.1 Test Result

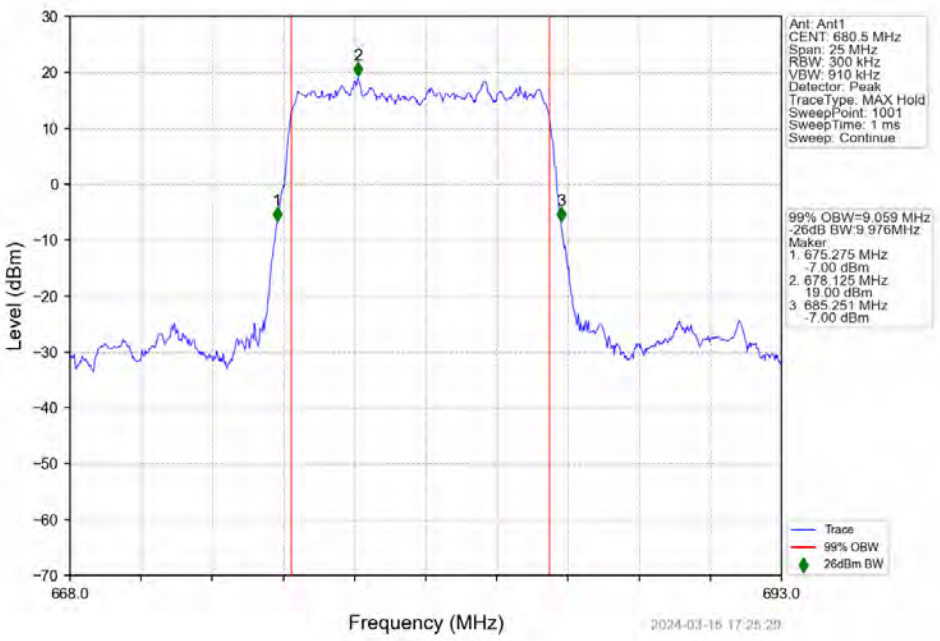
5G NR n71 SCS=15kHz SISO 10MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	668	Outer_Full	9.00	9.88	/	Pass
	680.5	Outer_Full	9.06	9.98	/	Pass
	693	Outer_Full	9.00	10.01	/	Pass
DFT-s-OFDM QPSK	668	Outer_Full	9.04	9.95	/	Pass
	680.5	Outer_Full	9.09	10.08	/	Pass
	693	Outer_Full	9.03	9.95	/	Pass
DFT-s-OFDM 16 QAM	668	Outer_Full	9.05	9.99	/	Pass
	680.5	Outer_Full	9.09	10.02	/	Pass
	693	Outer_Full	9.03	9.96	/	Pass
DFT-s-OFDM 64 QAM	668	Outer_Full	9.02	9.95	/	Pass
	680.5	Outer_Full	9.05	10.04	/	Pass
	693	Outer_Full	8.99	9.90	/	Pass
DFT-s-OFDM 256 QAM	668	Outer_Full	9.01	10.01	/	Pass
	680.5	Outer_Full	9.07	10.13	/	Pass
	693	Outer_Full	9.03	10.03	/	Pass
CP-OFDM QPSK	668	Outer_Full	9.37	10.46	/	Pass
	680.5	Outer_Full	9.40	10.45	/	Pass
	693	Outer_Full	9.35	10.34	/	Pass
CP-OFDM 16 QAM	668	Outer_Full	9.36	10.40	/	Pass
	680.5	Outer_Full	9.41	10.45	/	Pass
	693	Outer_Full	9.37	10.41	/	Pass
CP-OFDM 64 QAM	668	Outer_Full	9.32	10.37	/	Pass
	680.5	Outer_Full	9.37	10.37	/	Pass
	693	Outer_Full	9.32	10.25	/	Pass
CP-OFDM 256 QAM	668	Outer_Full	9.36	10.40	/	Pass
	680.5	Outer_Full	9.41	10.48	/	Pass
	693	Outer_Full	9.35	10.29	/	Pass

3.2.2 Test Graph

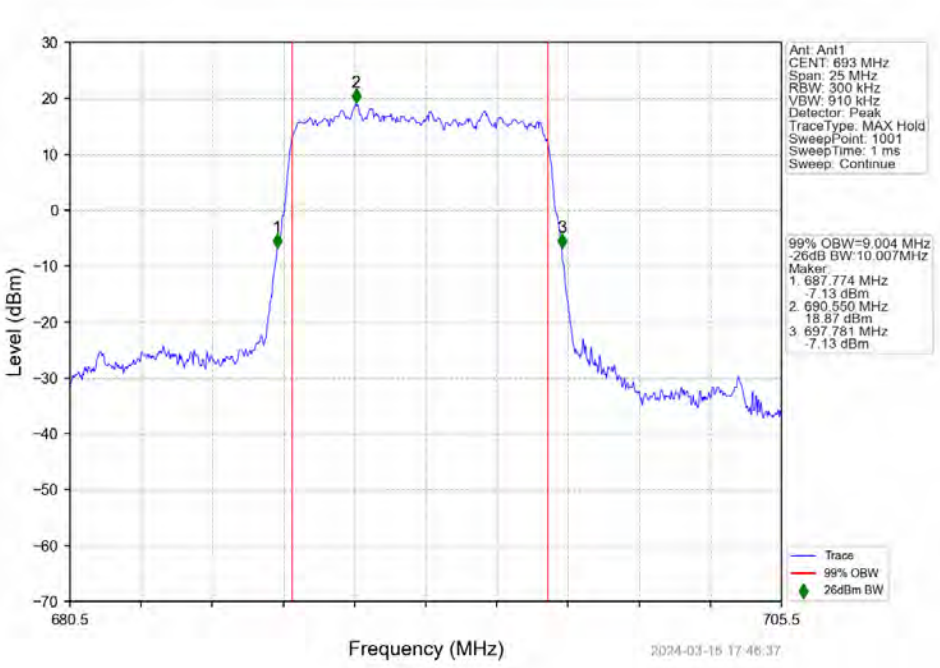
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_668MHz_Outer_Full



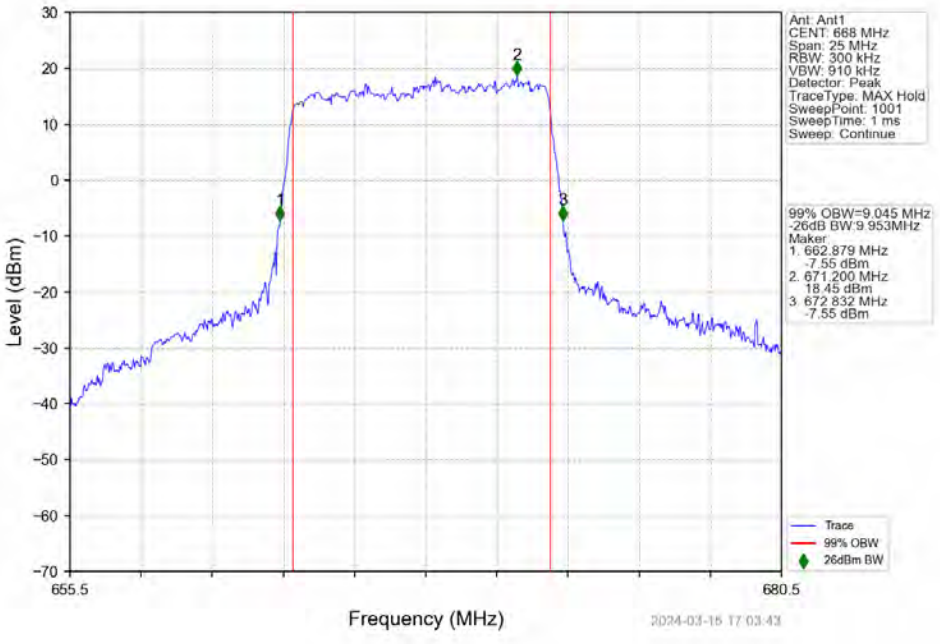
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Outer_Full



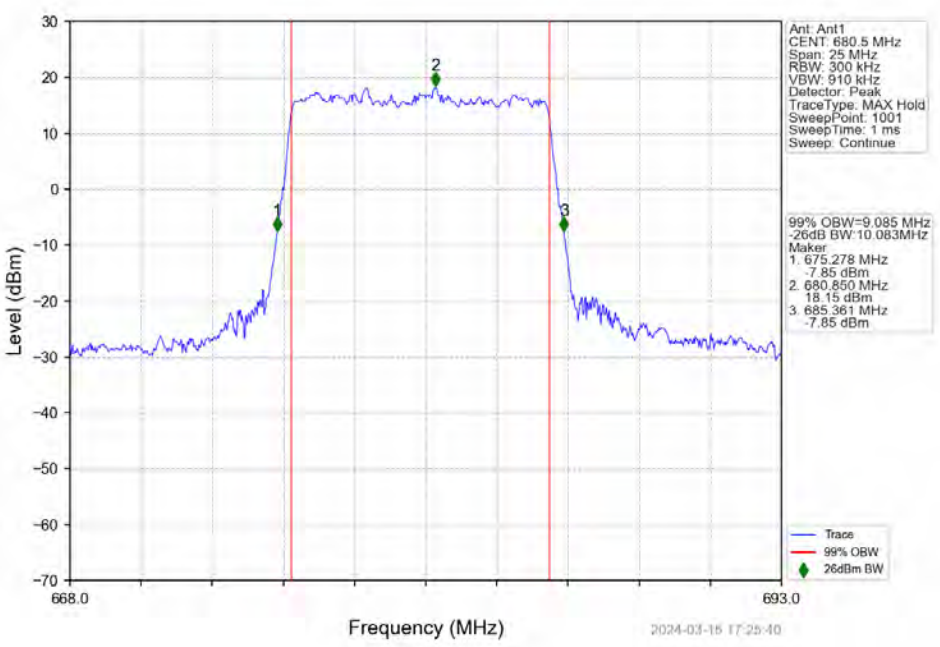
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_693MHz_Outer_Full



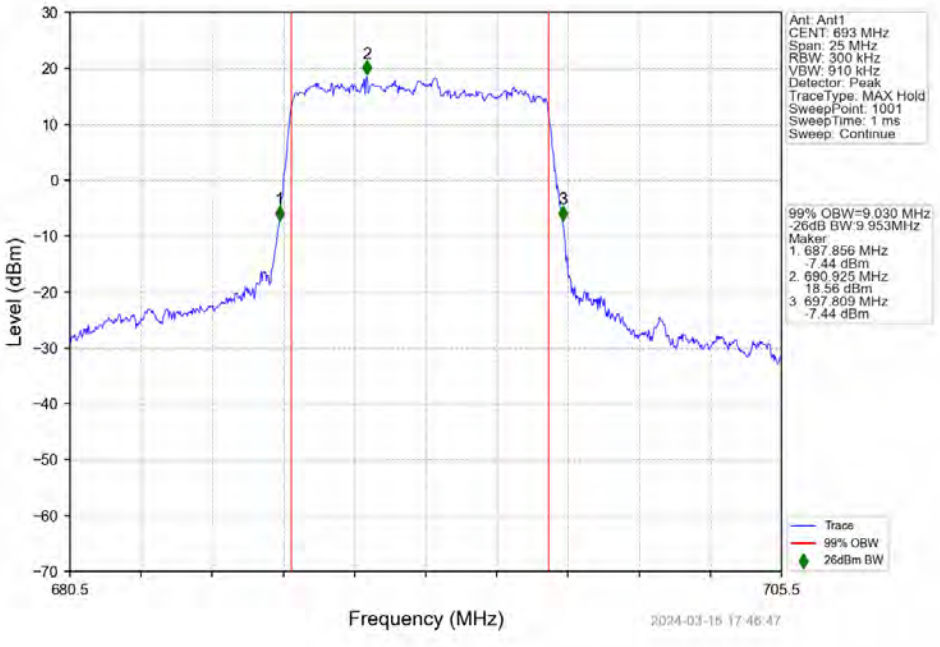
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_668MHz_Outer_Full



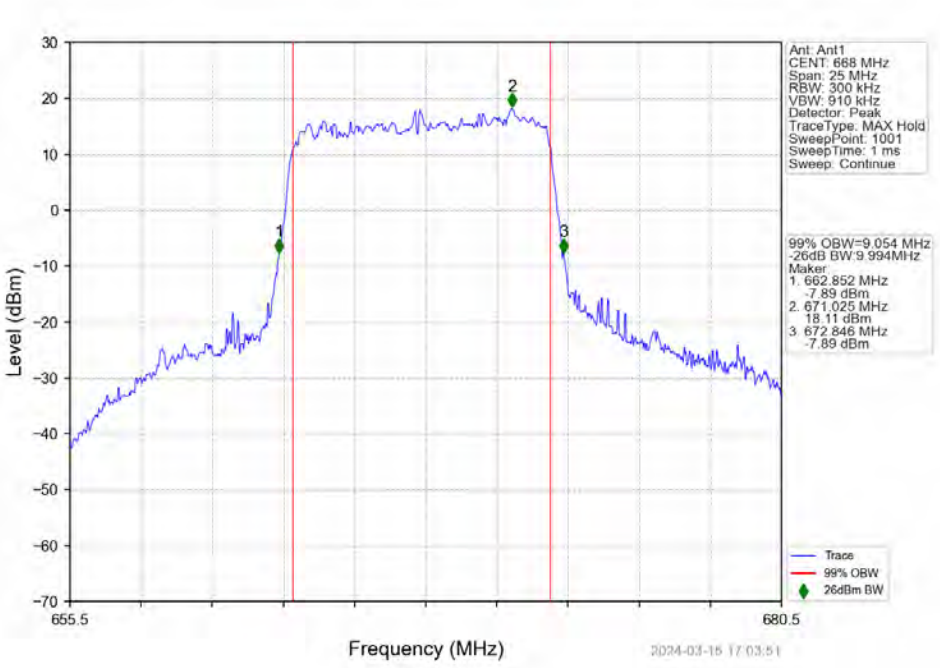
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_680.5MHz_Outer_Full



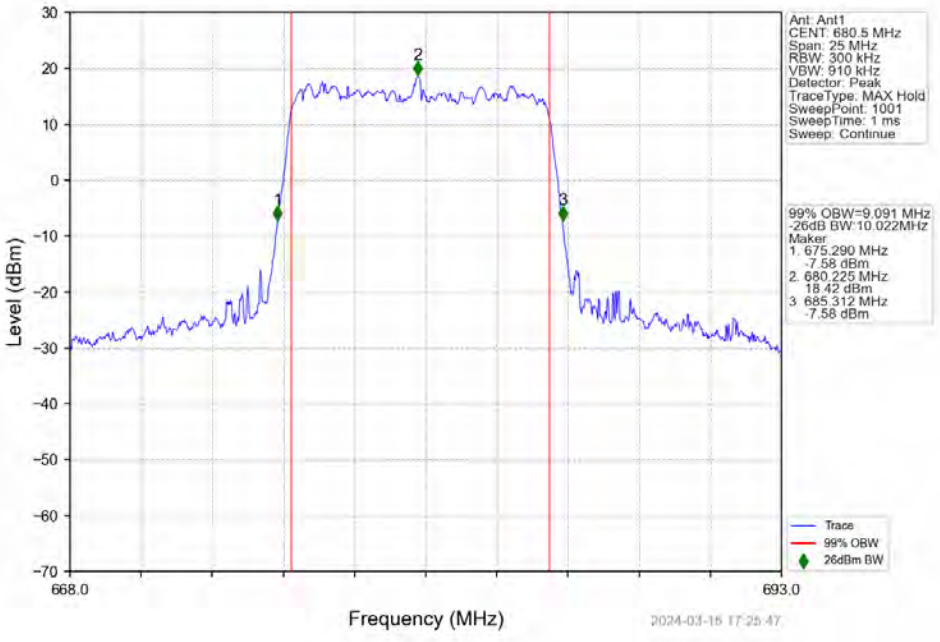
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_693MHz_Outer_Full



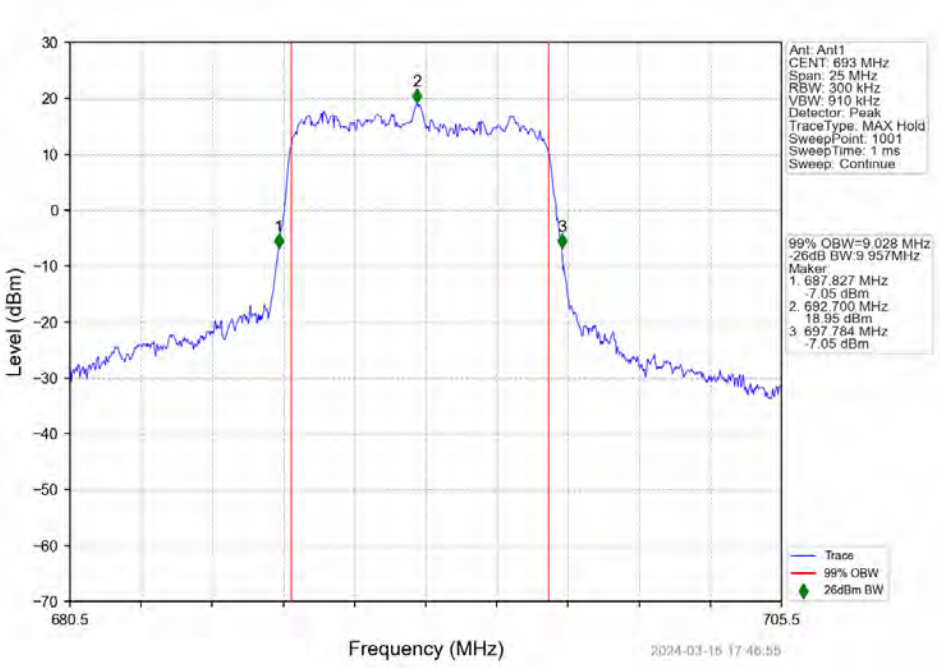
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_668MHz_Outer_Full



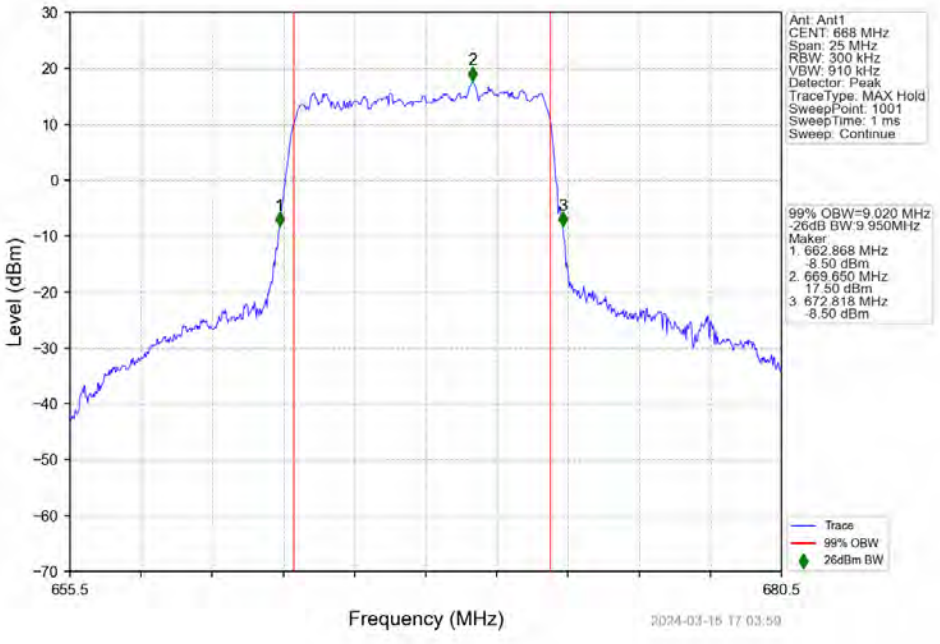
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_680.5MHz_Outer_Full



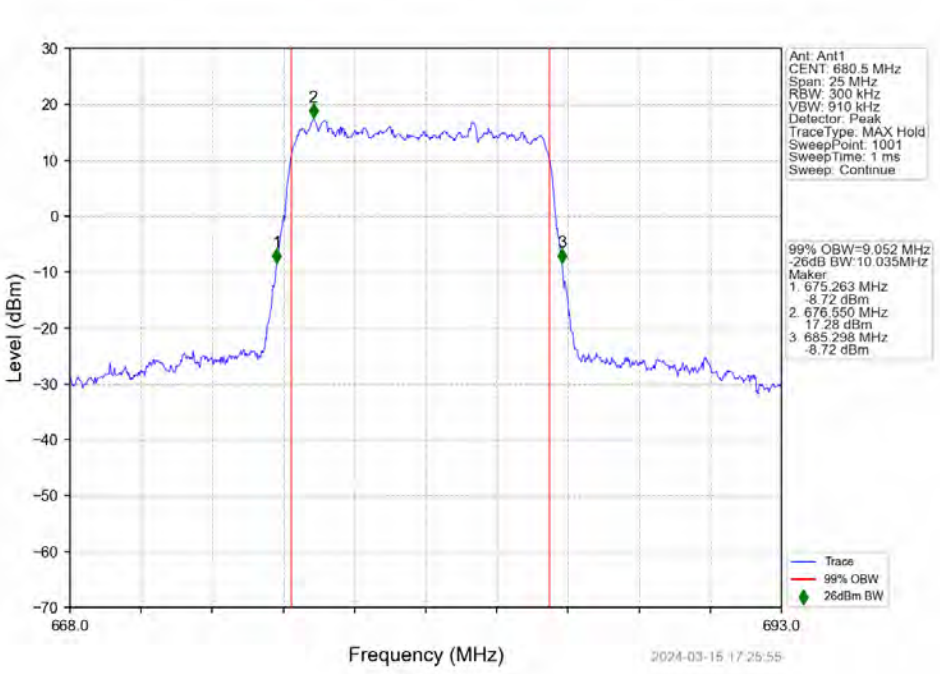
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_693MHz_Outer_Full



n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_668MHz_Outer_Full



n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_680.5MHz_Outer_Full



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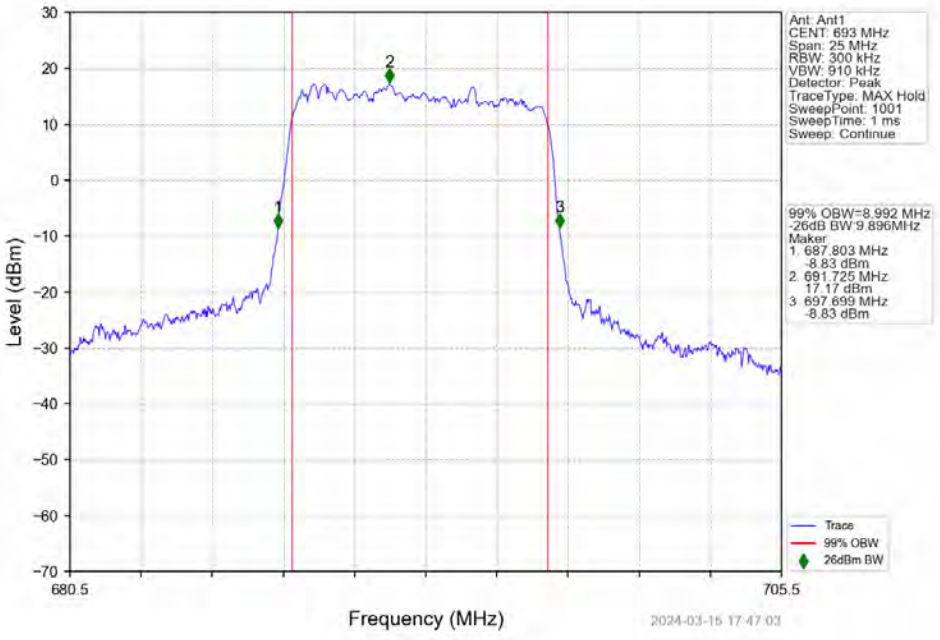
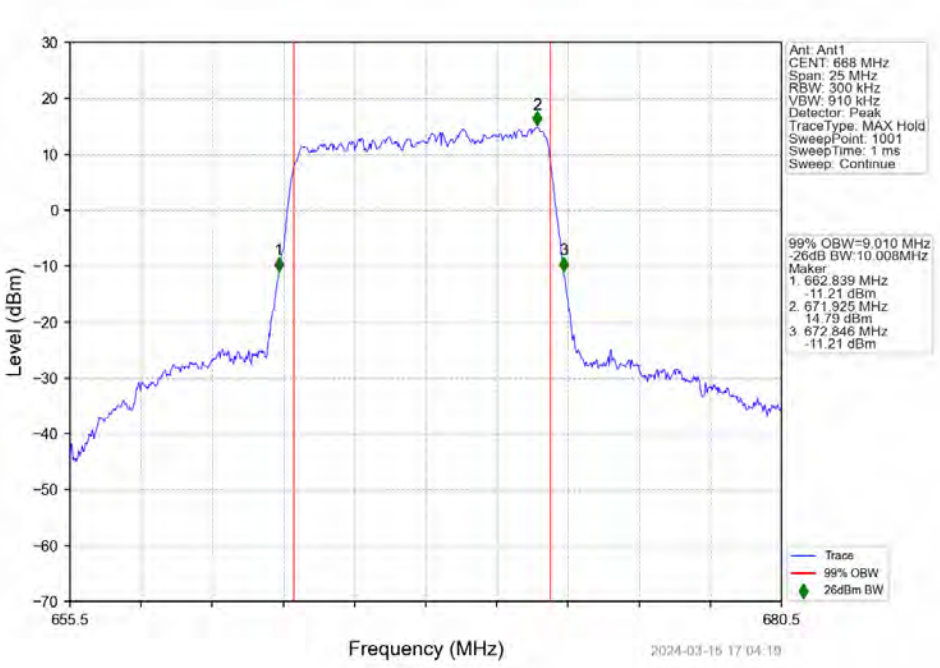
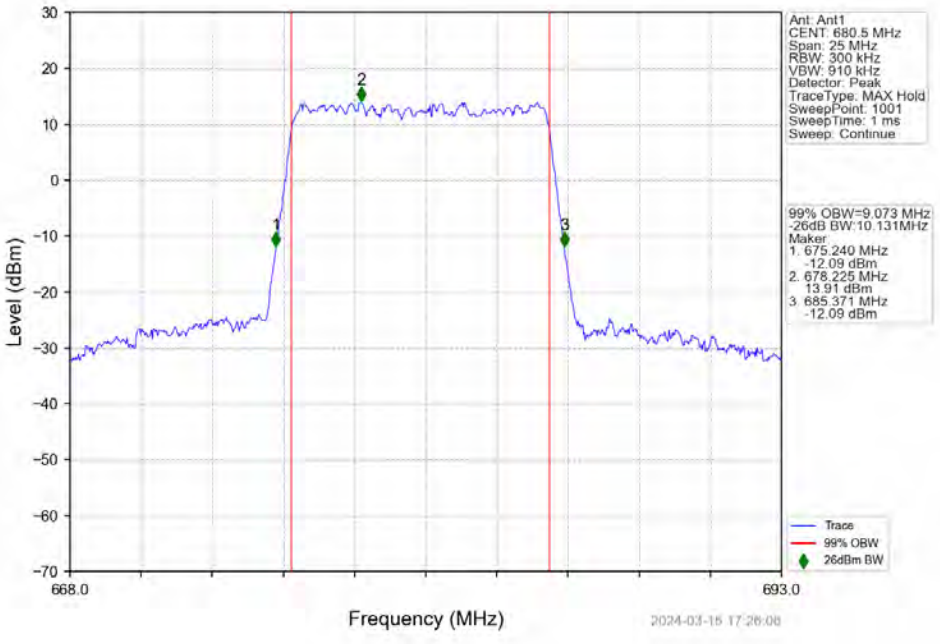


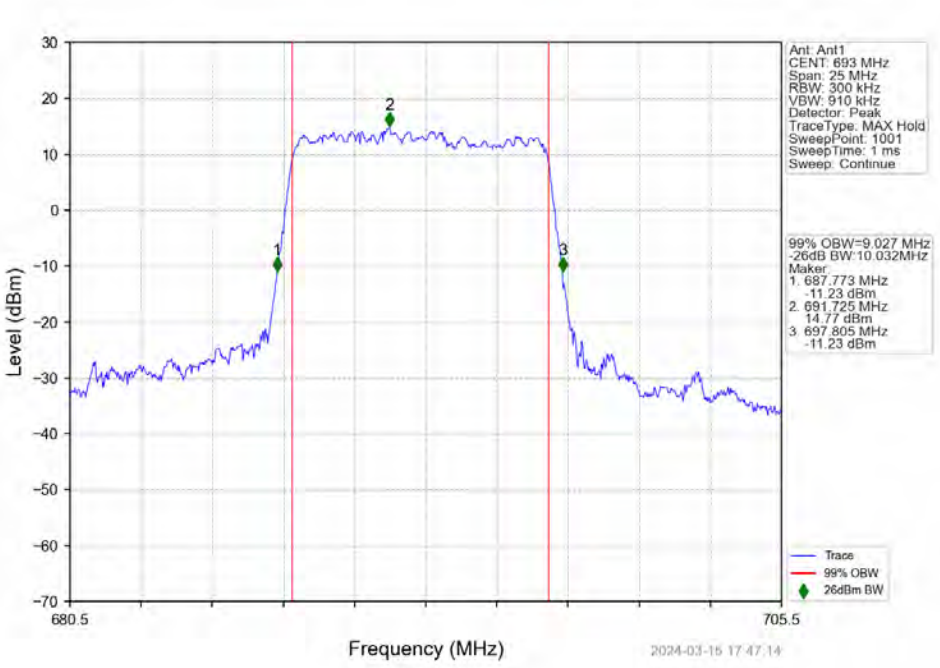
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_668MHz_Outer_Full



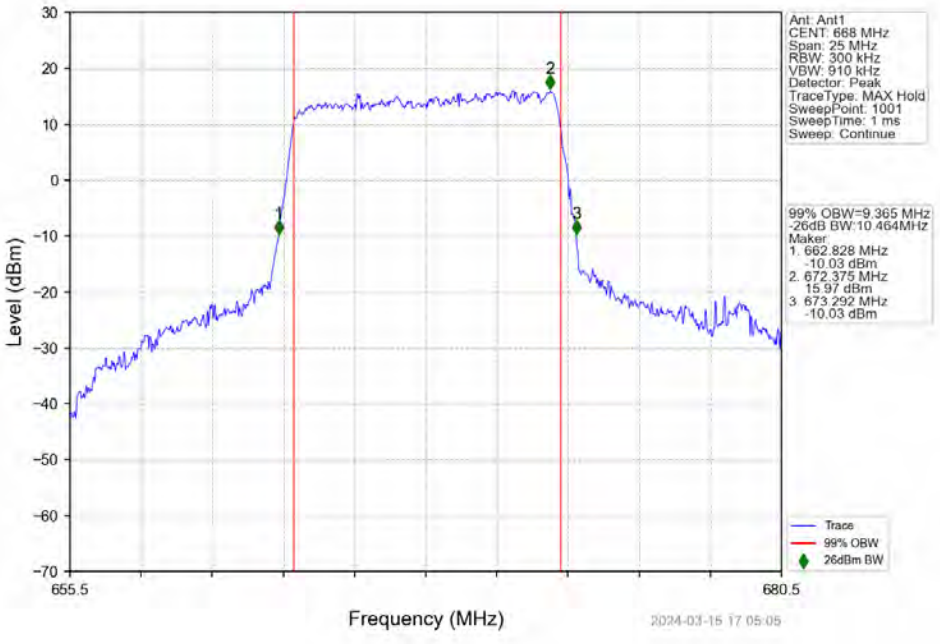
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_680.5MHz_Outer_Full



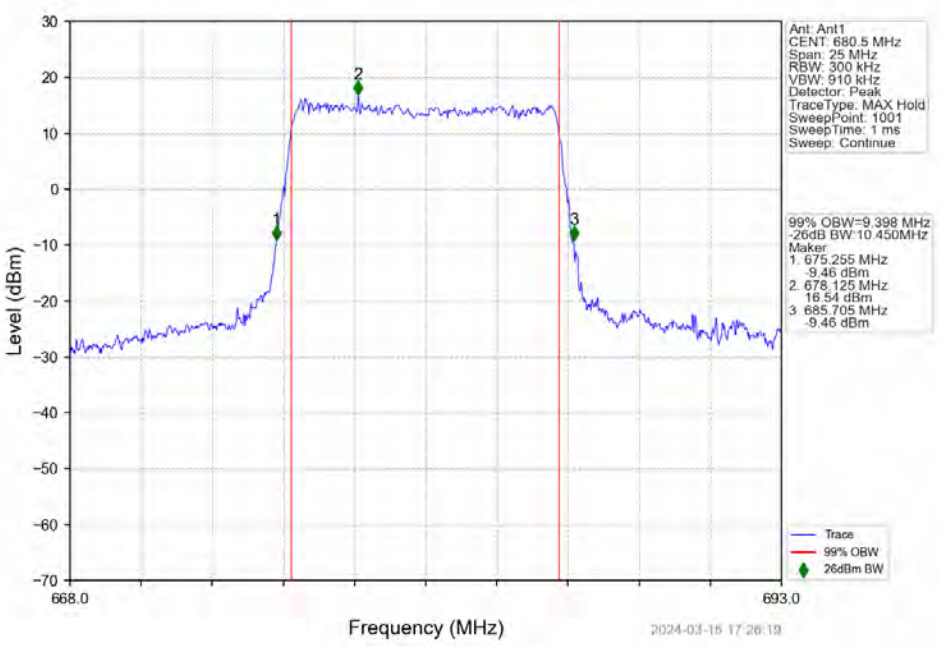
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_693MHz_Outer_Full



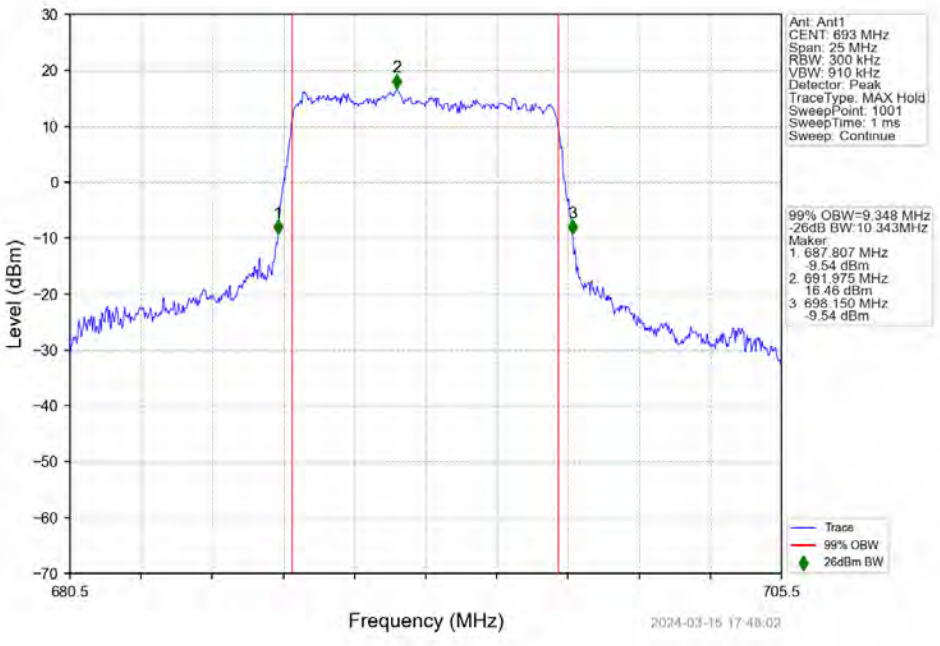
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_668MHz_Outer_Full



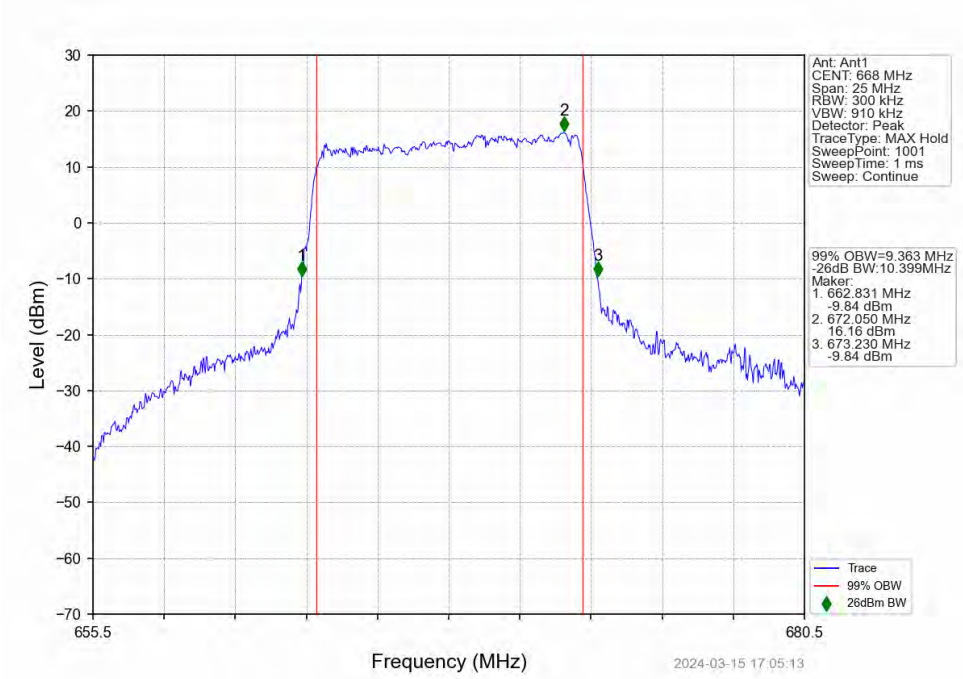
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_680.5MHz_Outer_Full



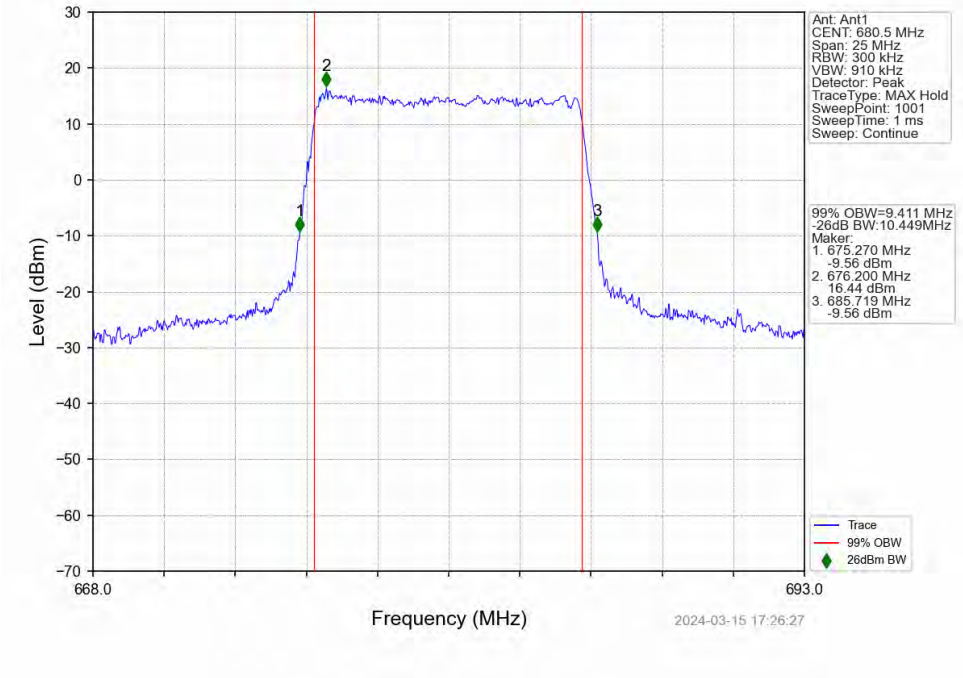
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_693MHz_Outer_Full



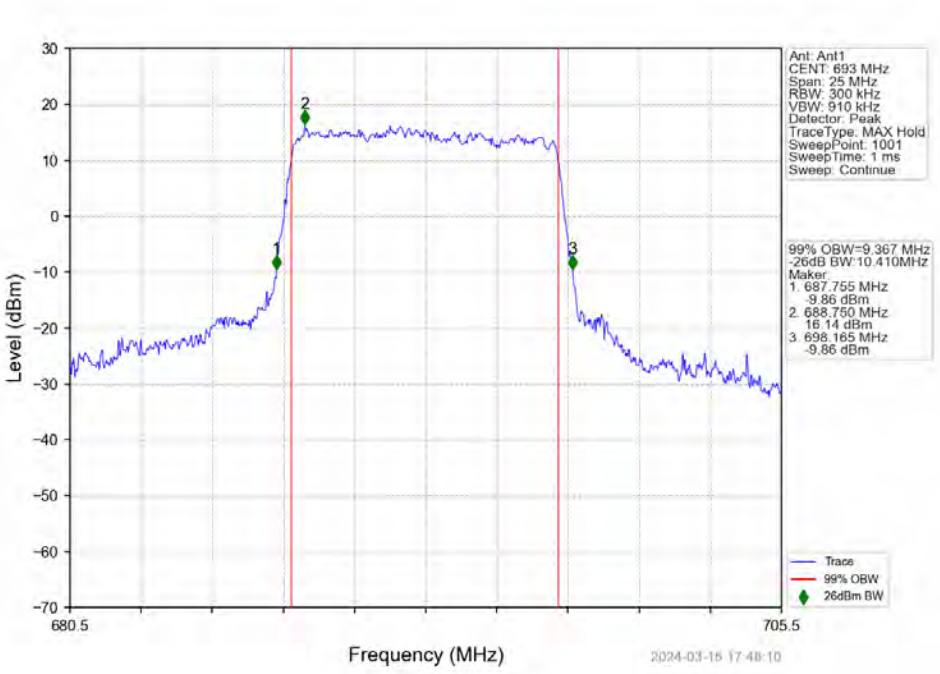
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_668MHz_Outer_Full



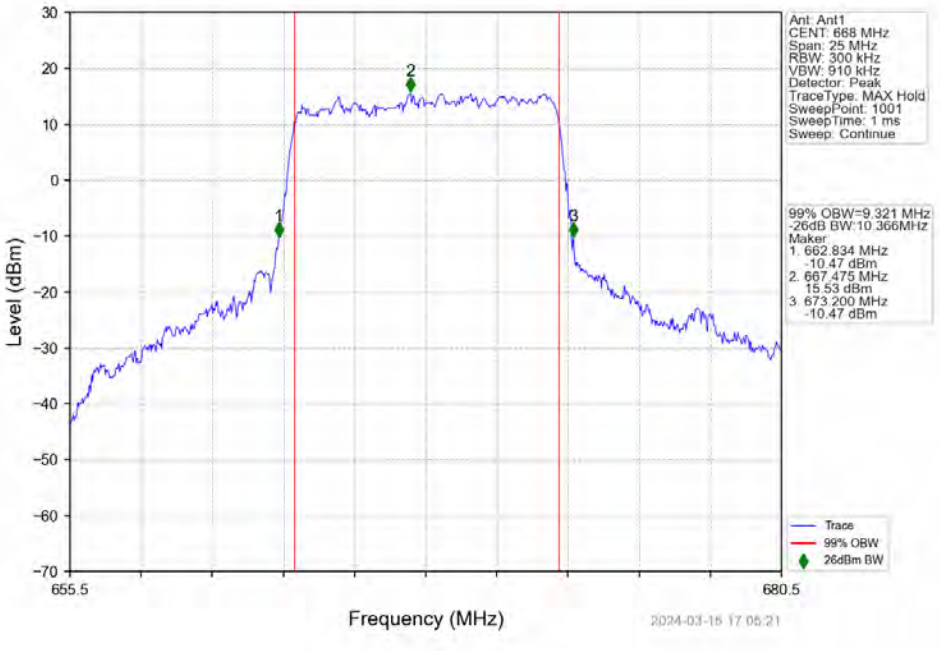
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_680.5MHz_Outer_Full



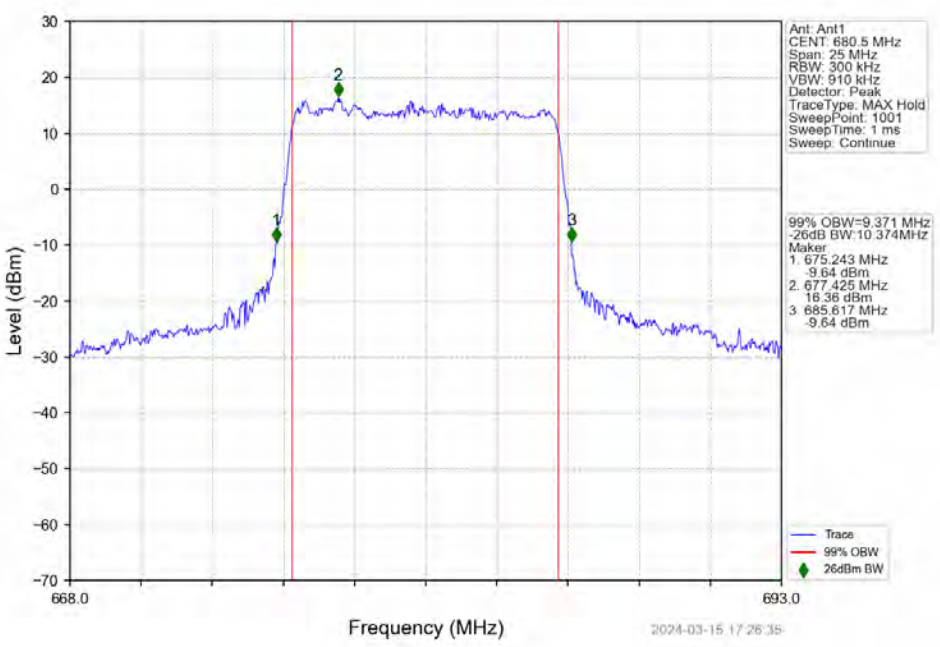
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_693MHz_Outer_Full



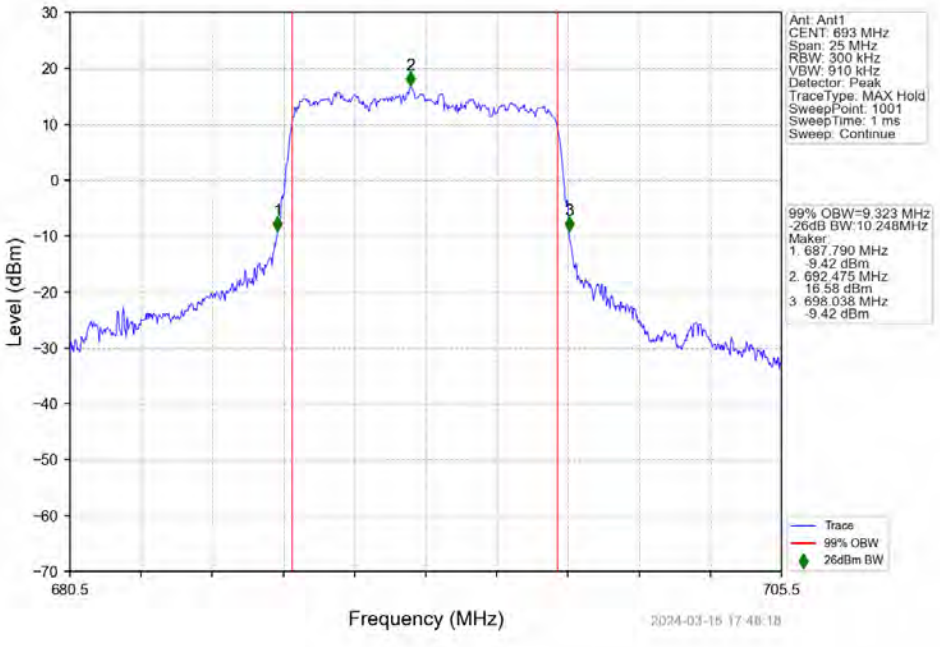
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_668MHz_Outer_Full



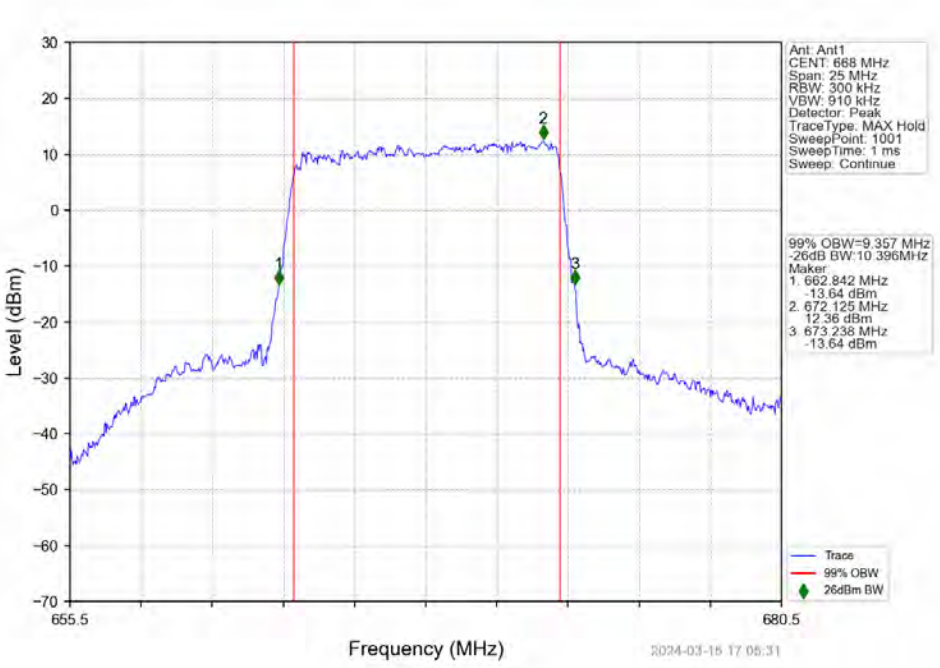
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_680.5MHz_Outer_Full



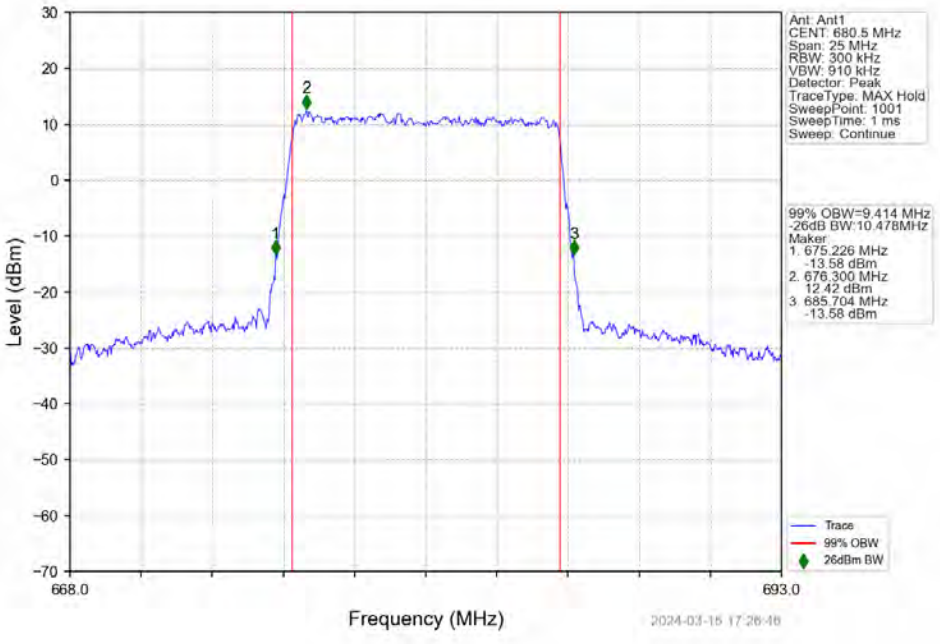
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_693MHz_Outer_Full



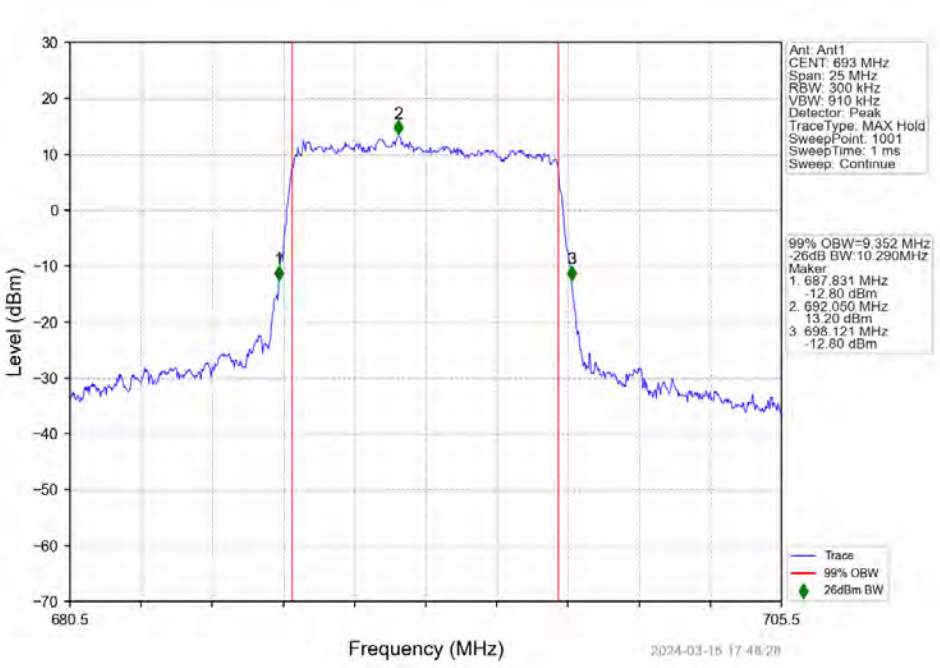
n71_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_668MHz_Outer_Full



n71_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_680.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_693MHz_Outer_Full



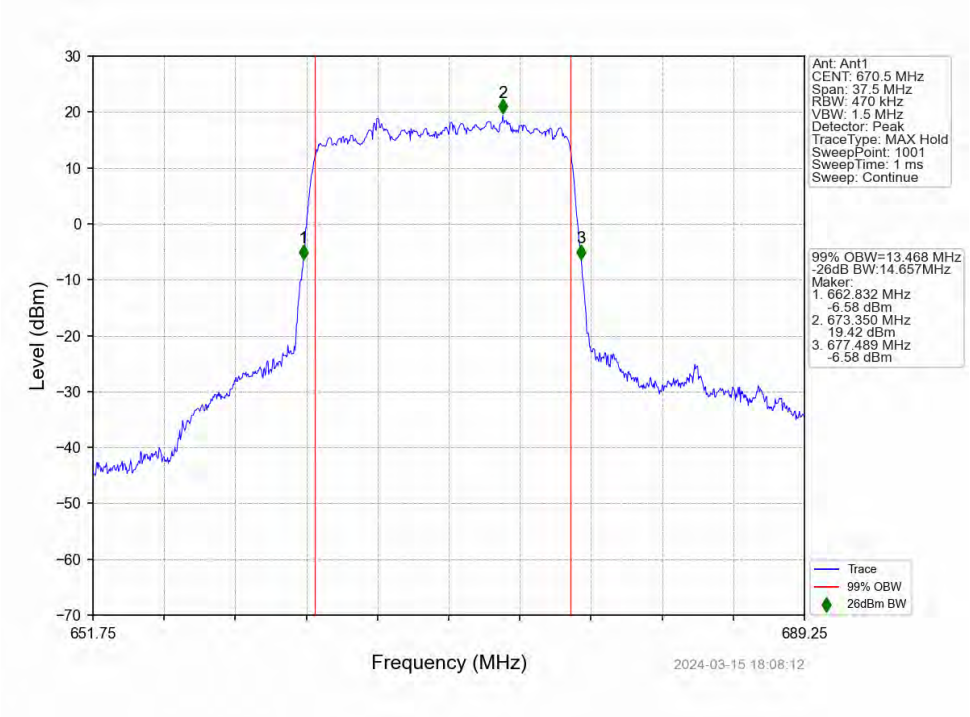
3.3 15k_SISO_15MHz_NTNV

3.3.1 Test Result

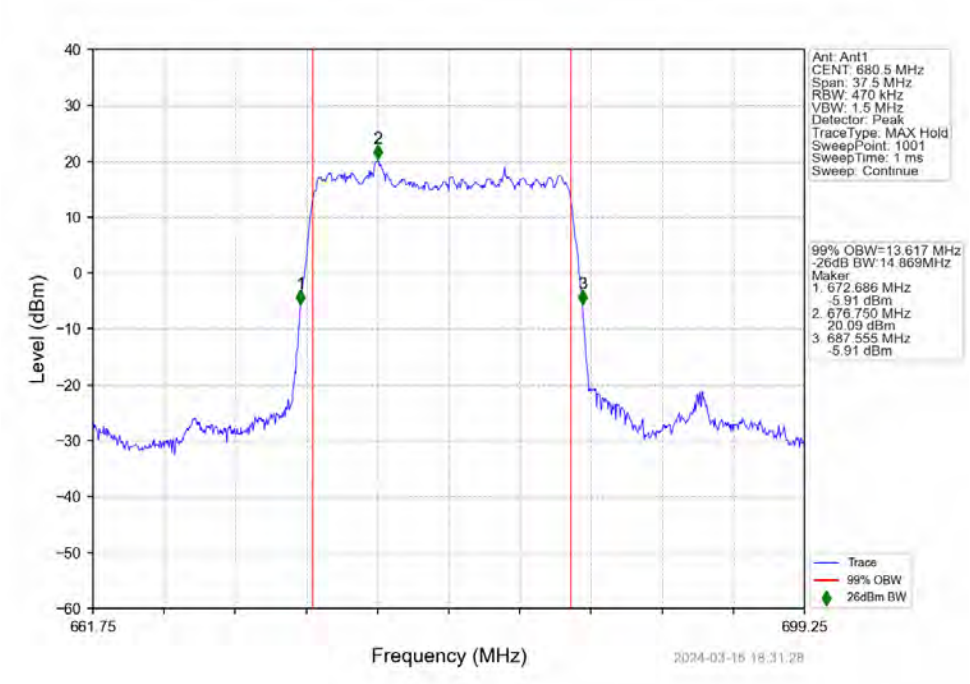
5G NR n71 SCS=15kHz SISO 15MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	670.5	Outer_Full	13.47	14.66	/	Pass
	680.5	Outer_Full	13.62	14.87	/	Pass
	690.5	Outer_Full	13.51	14.70	/	Pass
DFT-s-OFDM QPSK	670.5	Outer_Full	13.52	14.67	/	Pass
	680.5	Outer_Full	13.62	14.84	/	Pass
	690.5	Outer_Full	13.55	14.85	/	Pass
DFT-s-OFDM 16 QAM	670.5	Outer_Full	13.56	14.84	/	Pass
	680.5	Outer_Full	13.67	14.78	/	Pass
	690.5	Outer_Full	13.58	14.87	/	Pass
DFT-s-OFDM 64 QAM	670.5	Outer_Full	13.45	14.72	/	Pass
	680.5	Outer_Full	13.59	14.79	/	Pass
	690.5	Outer_Full	13.48	14.78	/	Pass
DFT-s-OFDM 256 QAM	670.5	Outer_Full	13.48	14.68	/	Pass
	680.5	Outer_Full	13.62	14.92	/	Pass
	690.5	Outer_Full	13.54	14.72	/	Pass
CP-OFDM QPSK	670.5	Outer_Full	14.16	15.47	/	Pass
	680.5	Outer_Full	14.29	15.60	/	Pass
	690.5	Outer_Full	14.20	15.51	/	Pass
CP-OFDM 16 QAM	670.5	Outer_Full	14.18	15.41	/	Pass
	680.5	Outer_Full	14.31	15.52	/	Pass
	690.5	Outer_Full	14.19	15.46	/	Pass
CP-OFDM 64 QAM	670.5	Outer_Full	14.18	15.42	/	Pass
	680.5	Outer_Full	14.35	15.62	/	Pass
	690.5	Outer_Full	14.24	15.55	/	Pass
CP-OFDM 256 QAM	670.5	Outer_Full	14.14	15.49	/	Pass
	680.5	Outer_Full	14.31	15.50	/	Pass
	690.5	Outer_Full	14.18	15.54	/	Pass

3.3.2 Test Graph

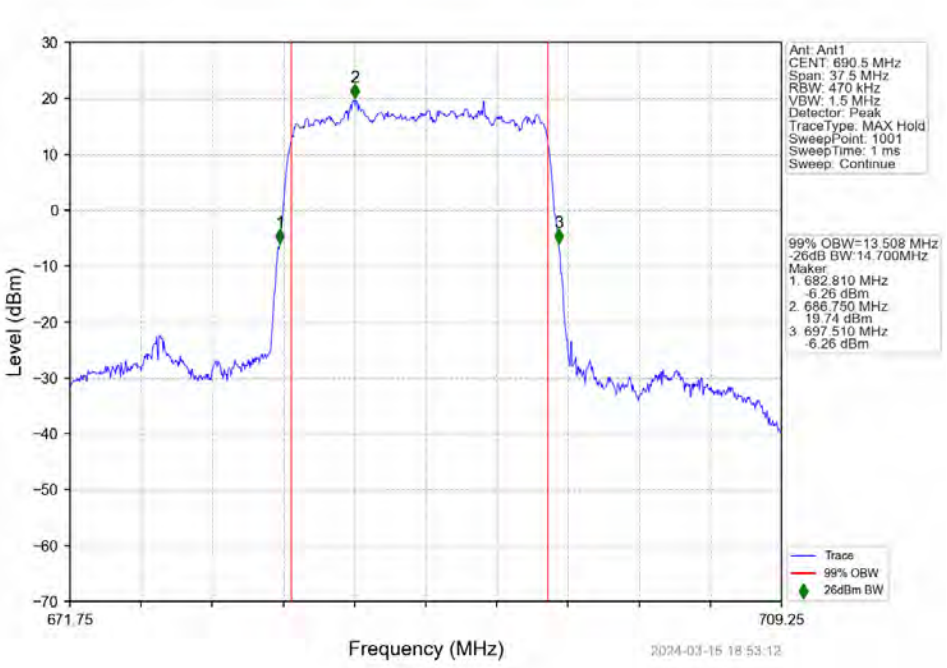
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_670.5MHz_Outer_Full



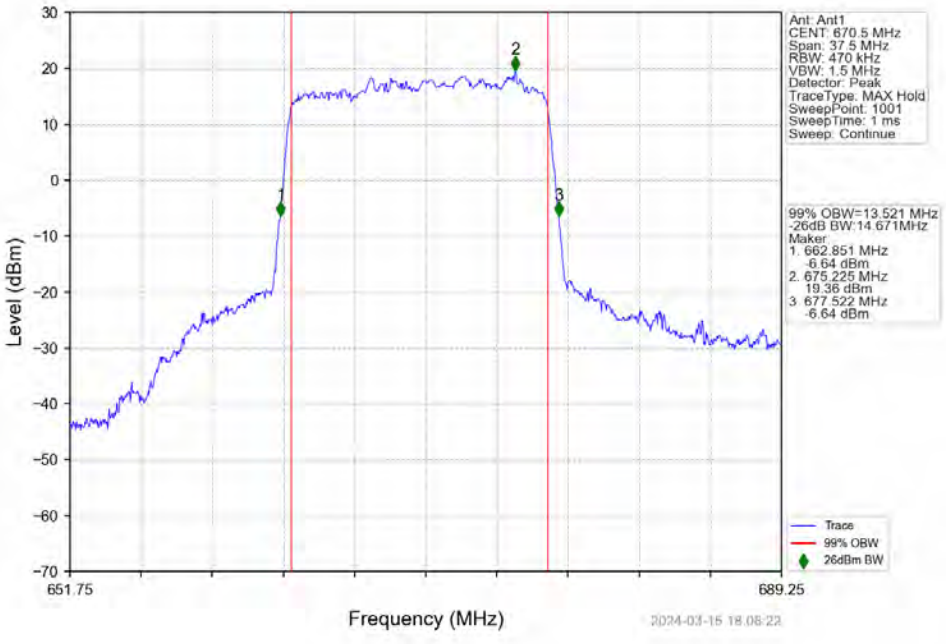
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Outer_Full



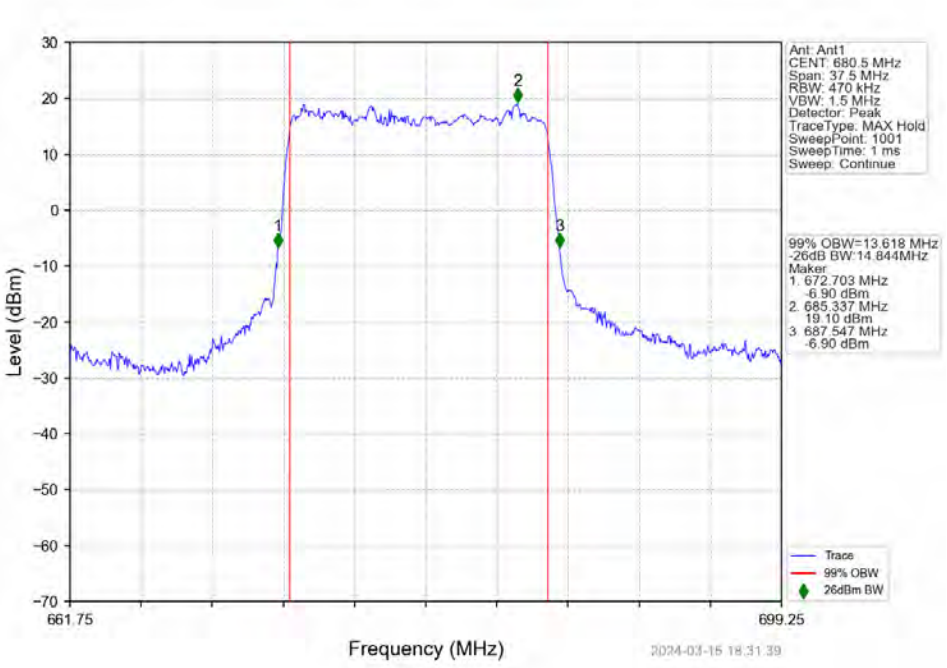
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_690.5MHz_Outer_Full



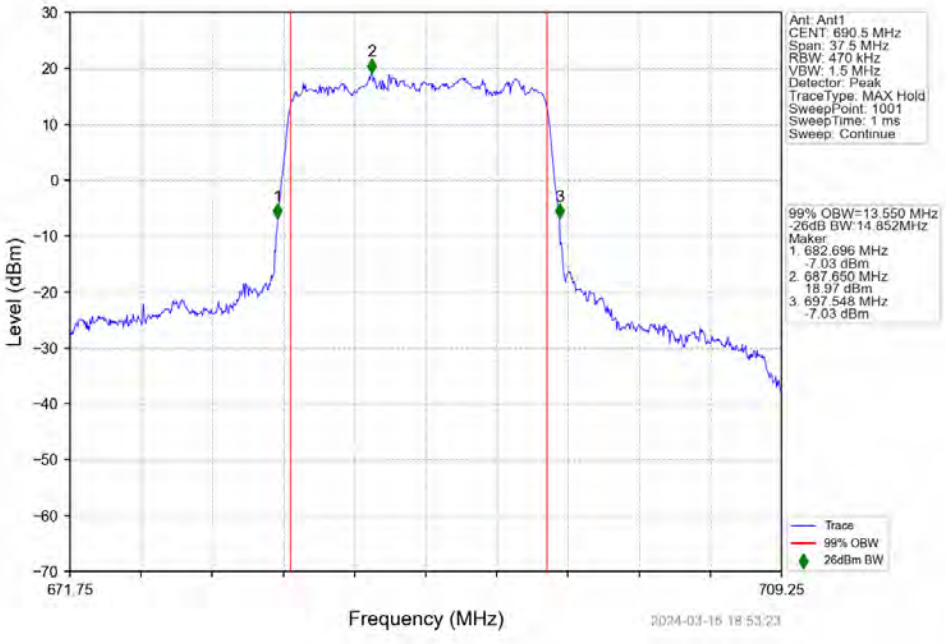
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_670.5MHz_Outer_Full



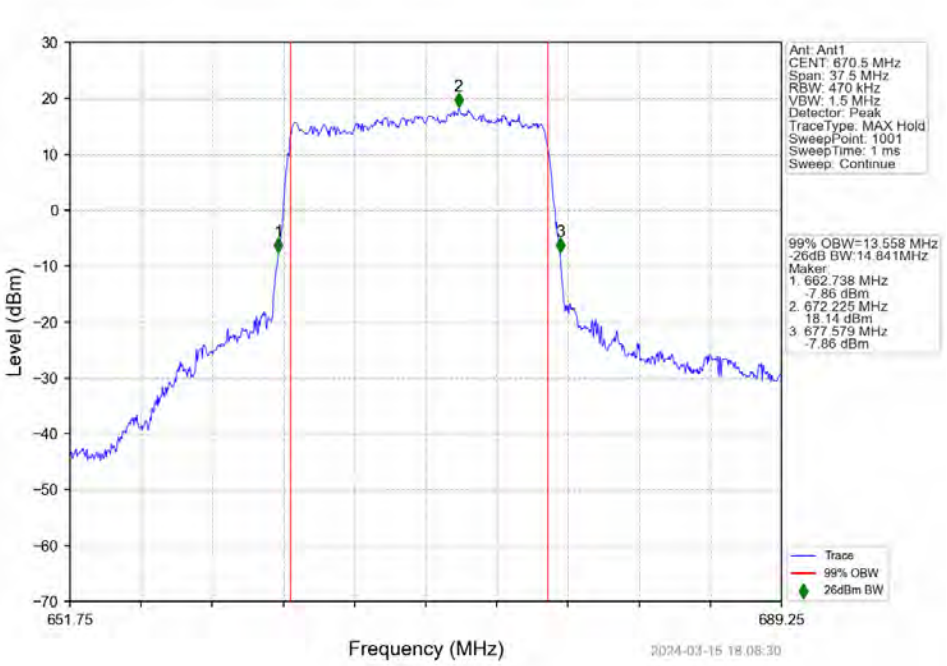
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_680.5MHz_Outer_Full



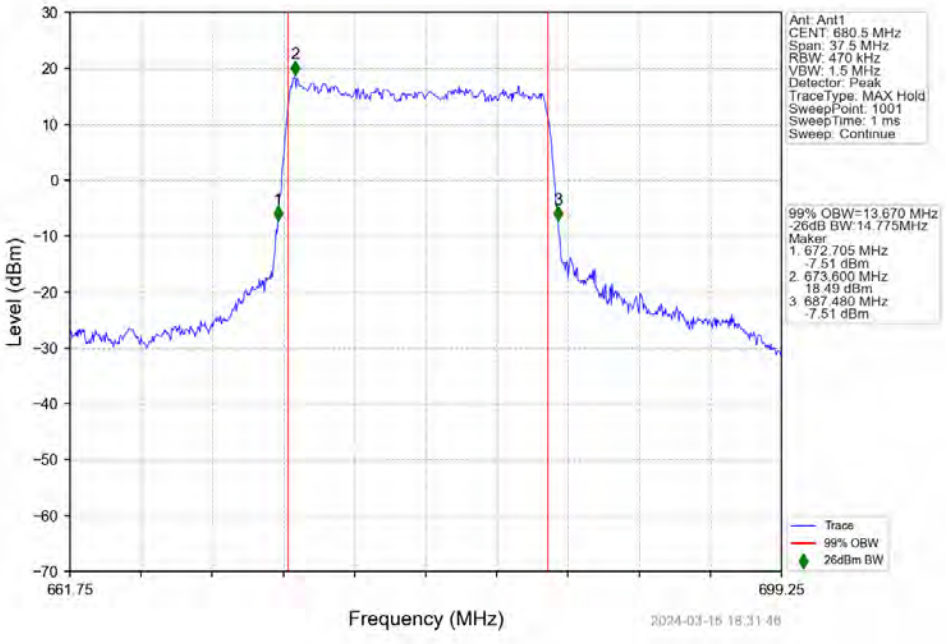
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_690.5MHz_Outer_Full



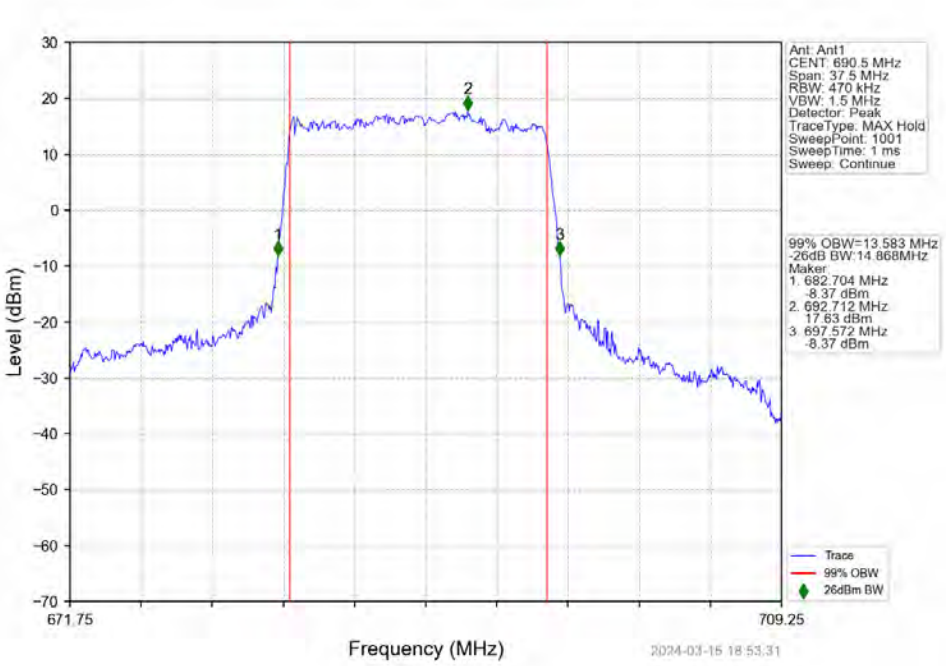
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_670.5MHz_Outer_Full



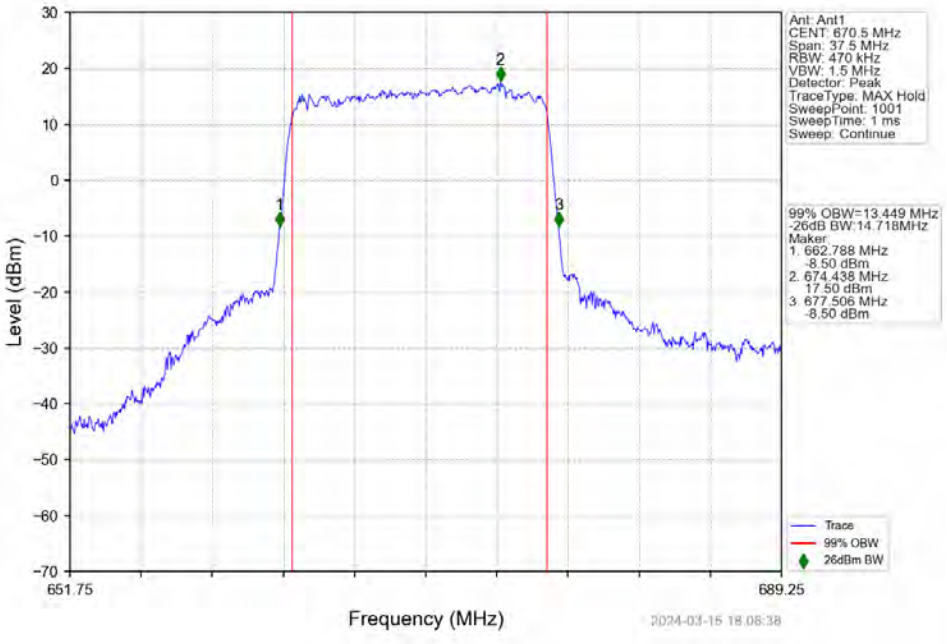
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_680.5MHz_Outer_Full



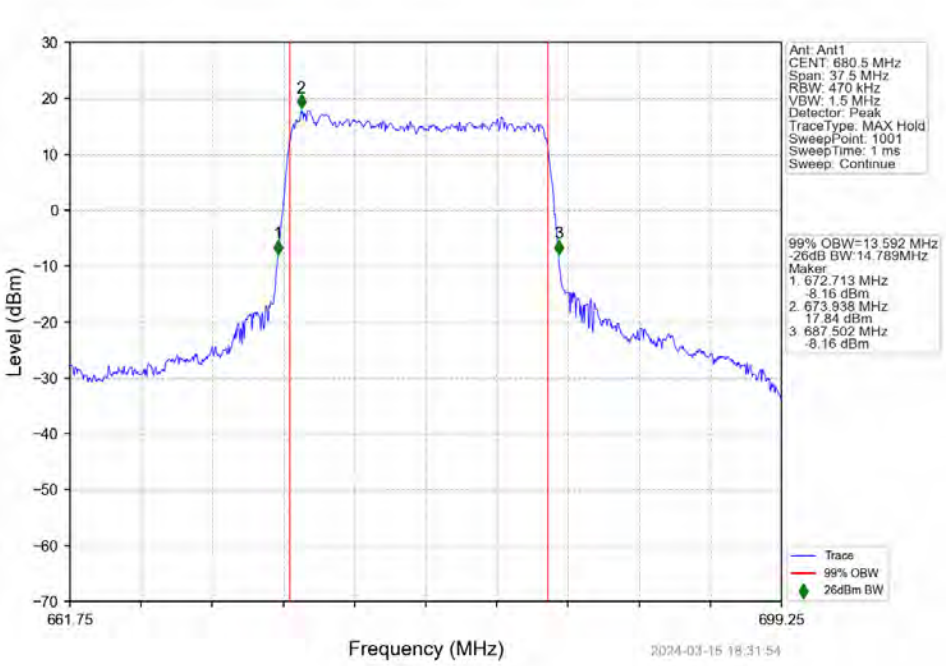
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_690.5MHz_Outer_Full



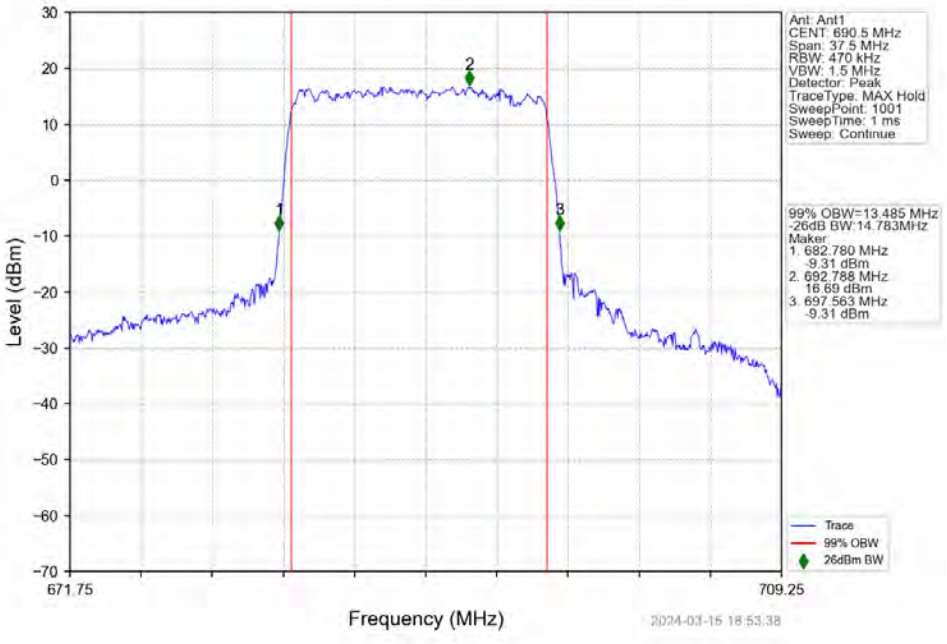
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_670.5MHz_Outer_Full



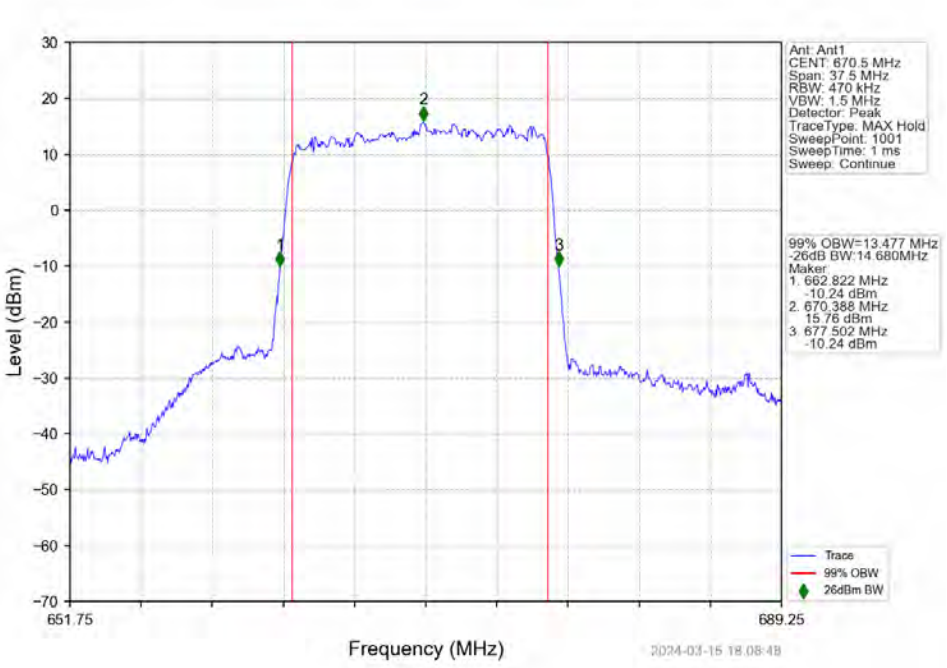
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_680.5MHz_Outer_Full



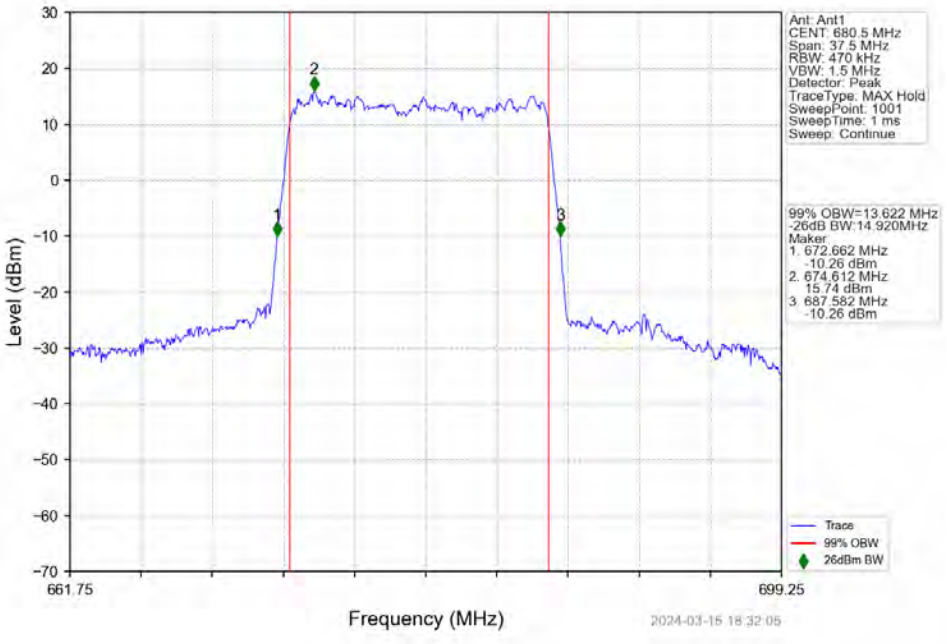
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_690.5MHz_Outer_Full



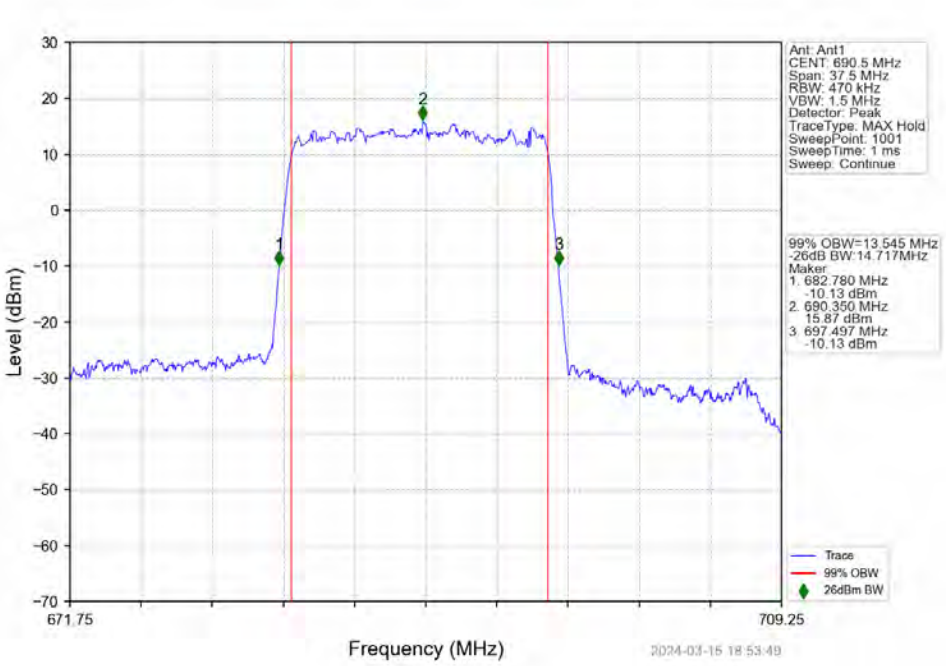
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_670.5MHz_Outer_Full



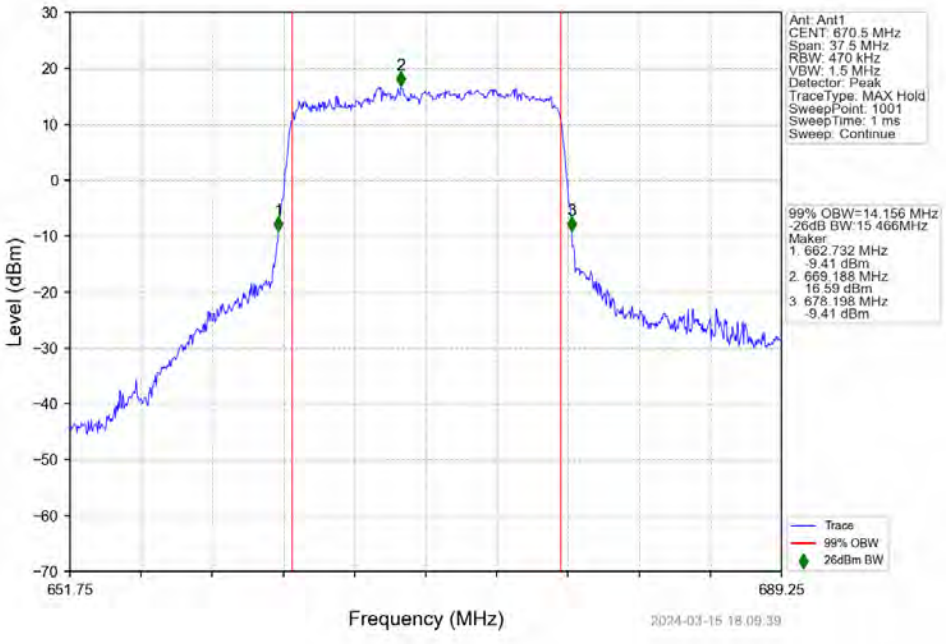
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_680.5MHz_Outer_Full



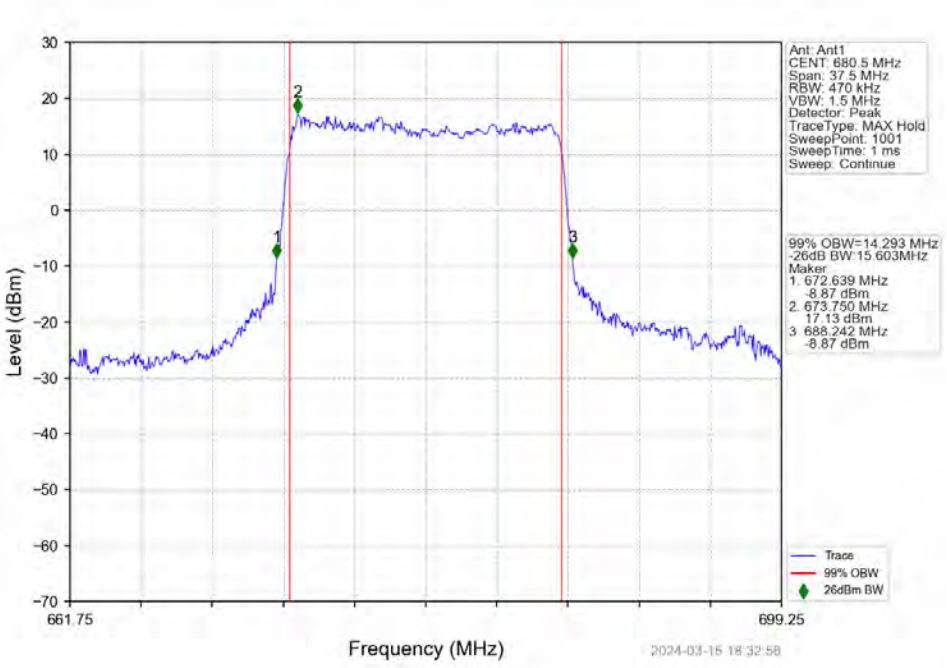
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_690.5MHz_Outer_Full



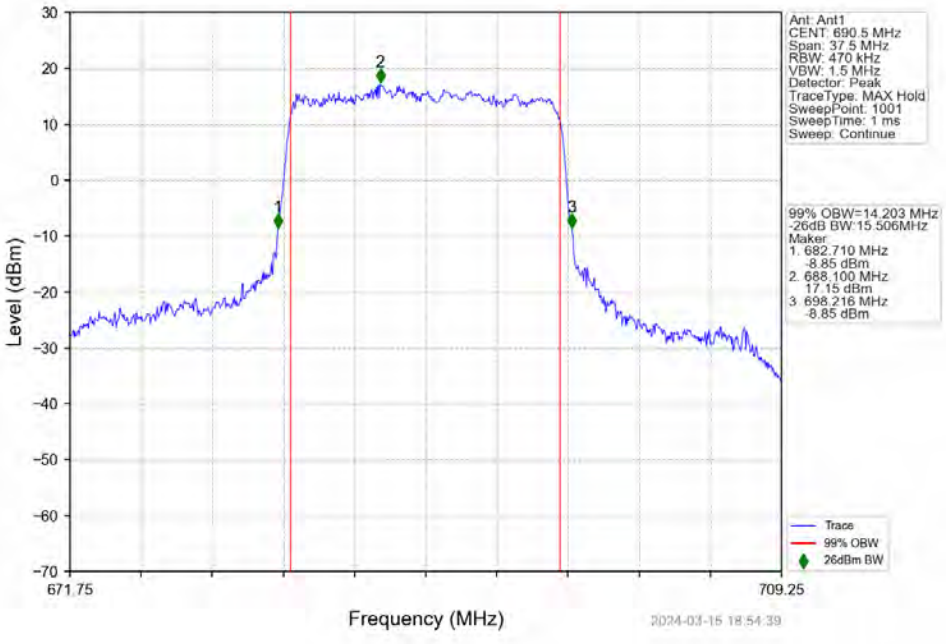
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_670.5MHz_Outer_Full



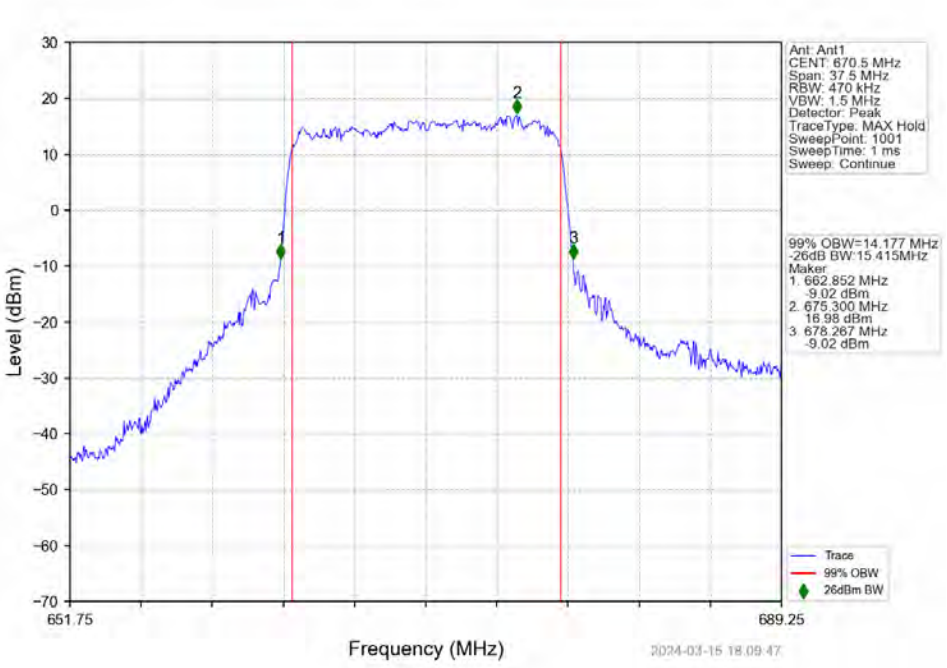
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_680.5MHz_Outer_Full



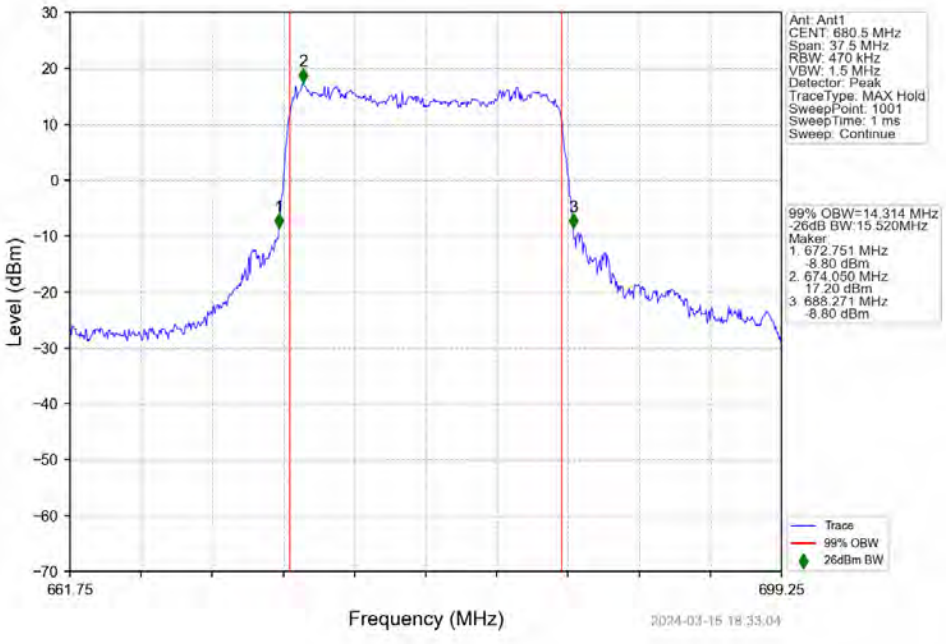
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_690.5MHz_Outer_Full



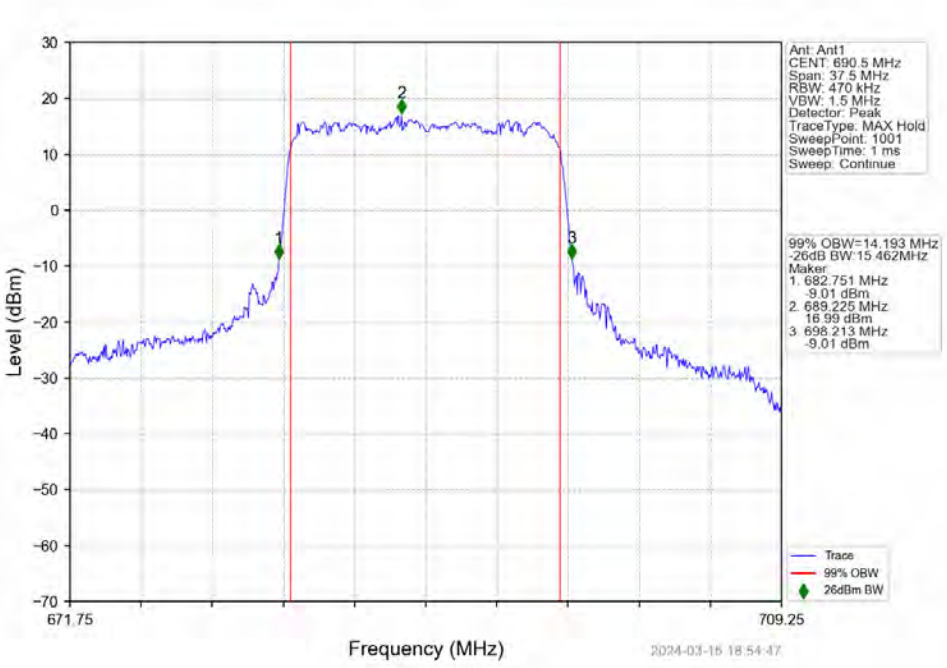
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_670.5MHz_Outer_Full



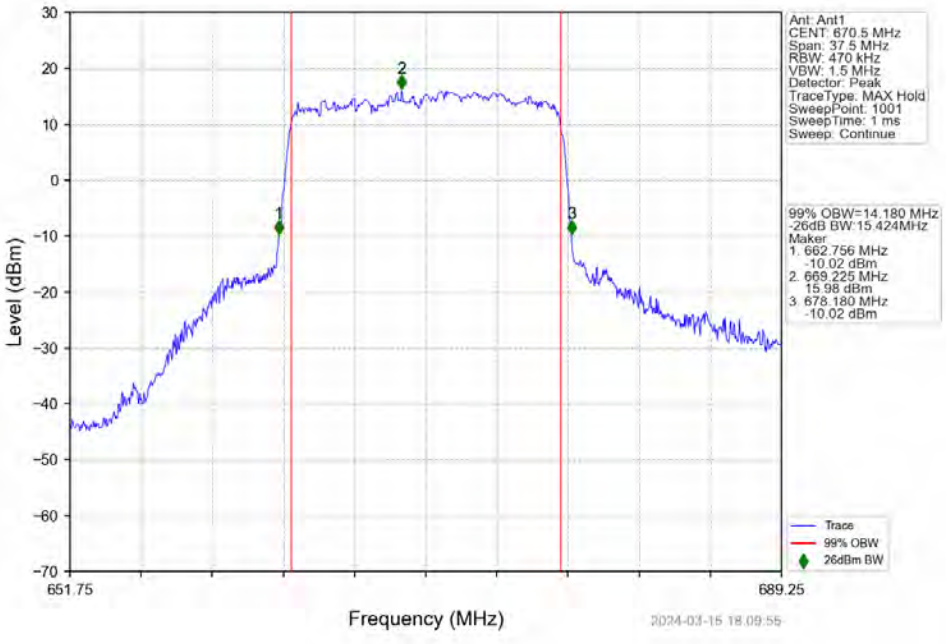
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_680.5MHz_Outer_Full



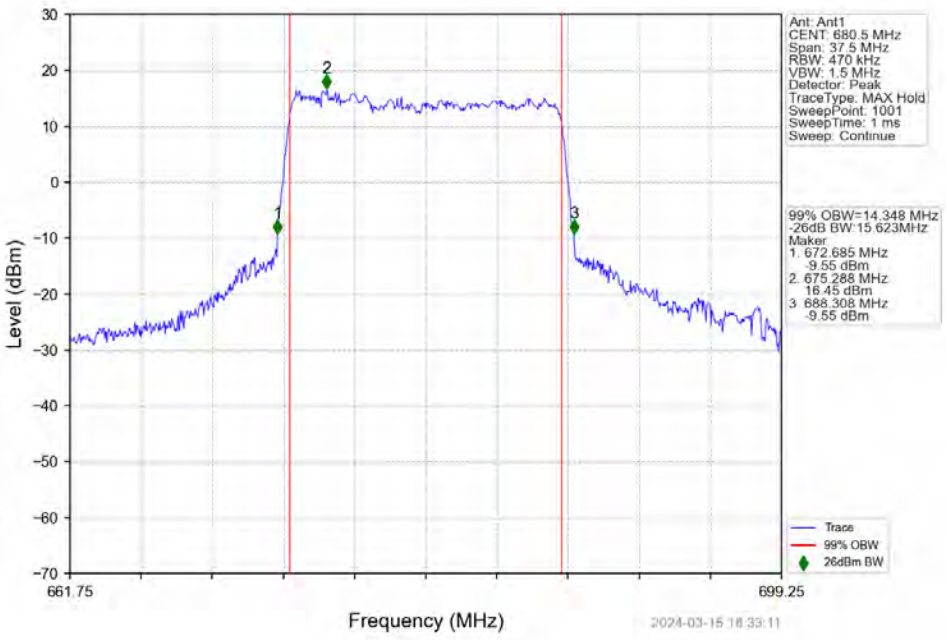
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_690.5MHz_Outer_Full



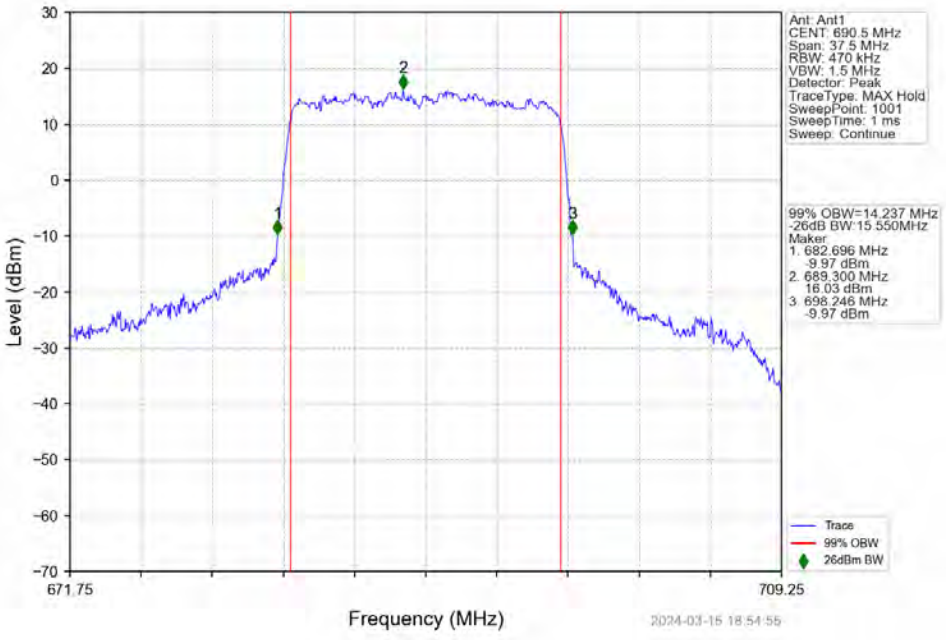
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_670.5MHz_Outer_Full



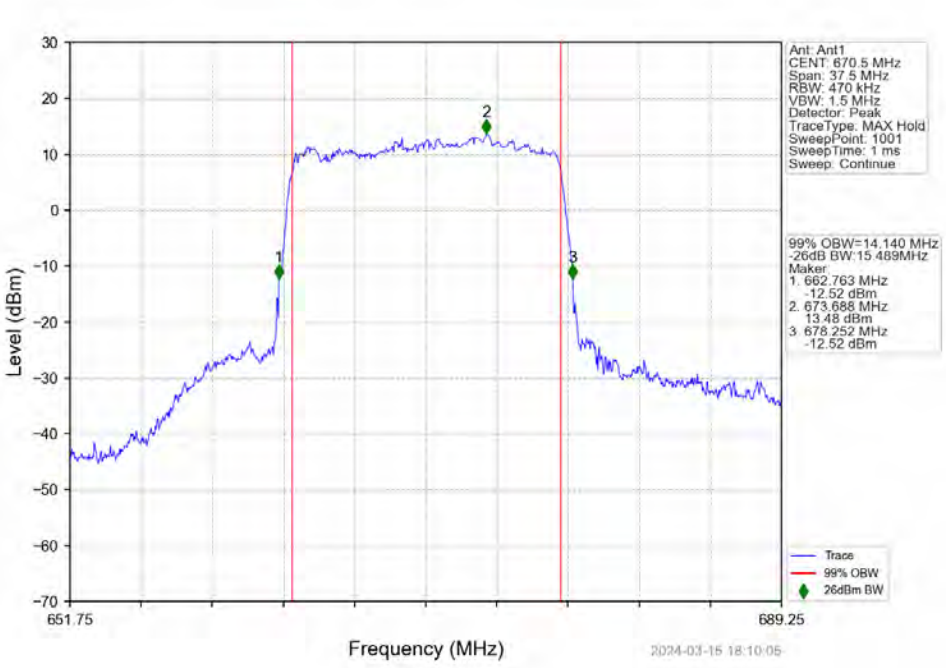
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_680.5MHz_Outer_Full



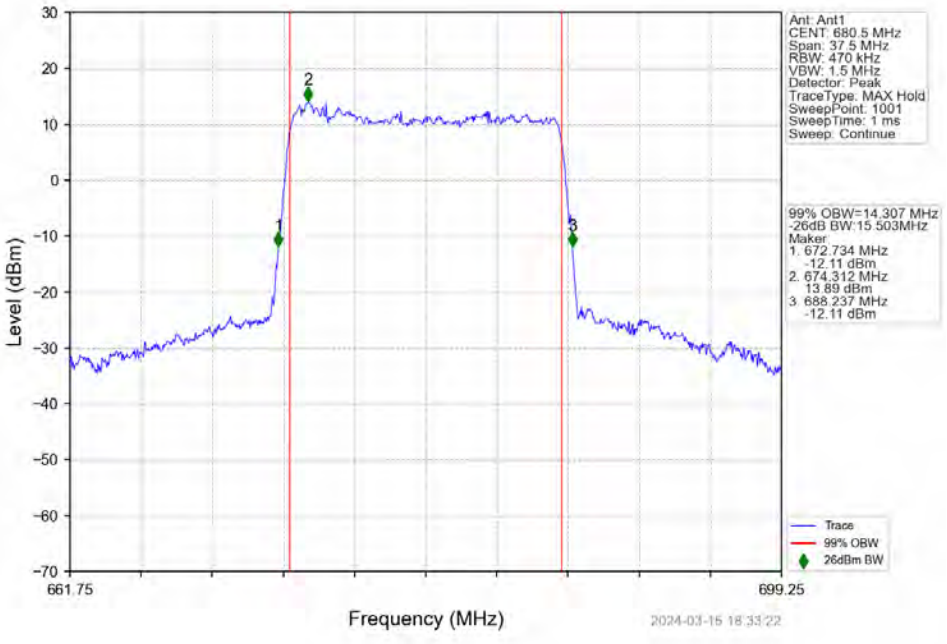
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_690.5MHz_Outer_Full



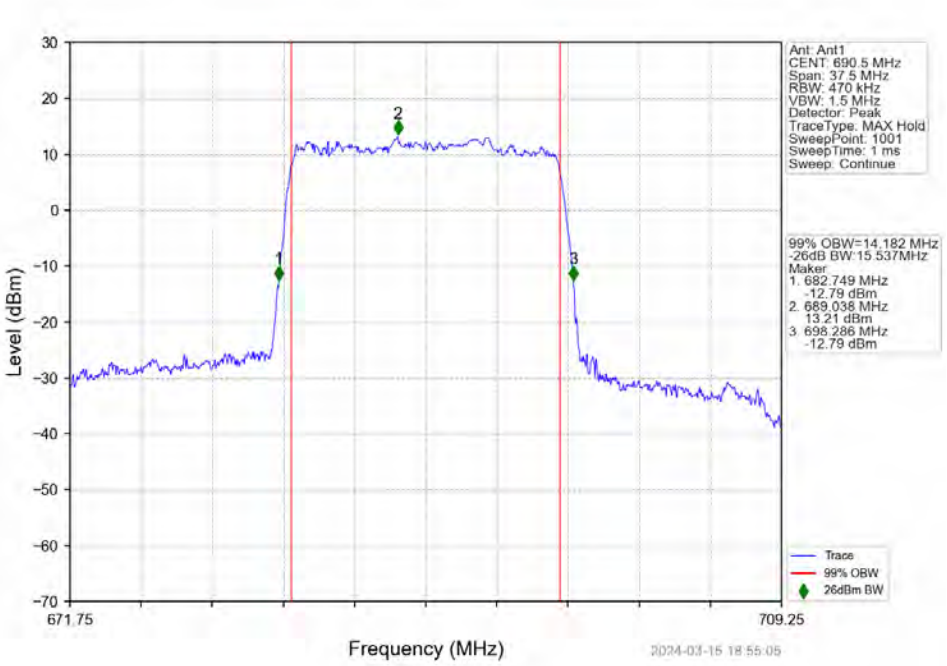
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_670.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_680.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_690.5MHz_Outer_Full



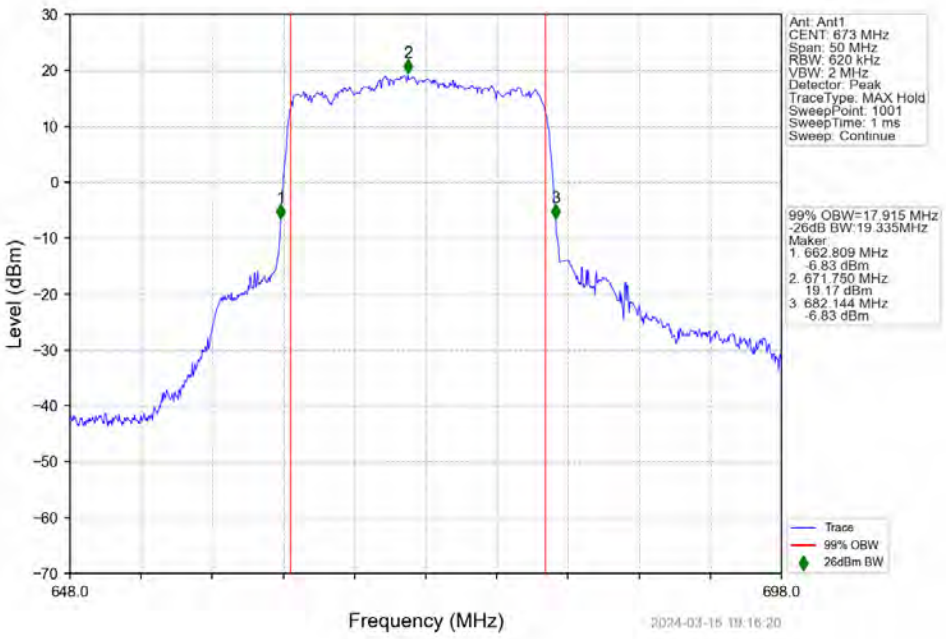
3.4 15k_SISO_20MHz_NTNV

3.4.1 Test Result

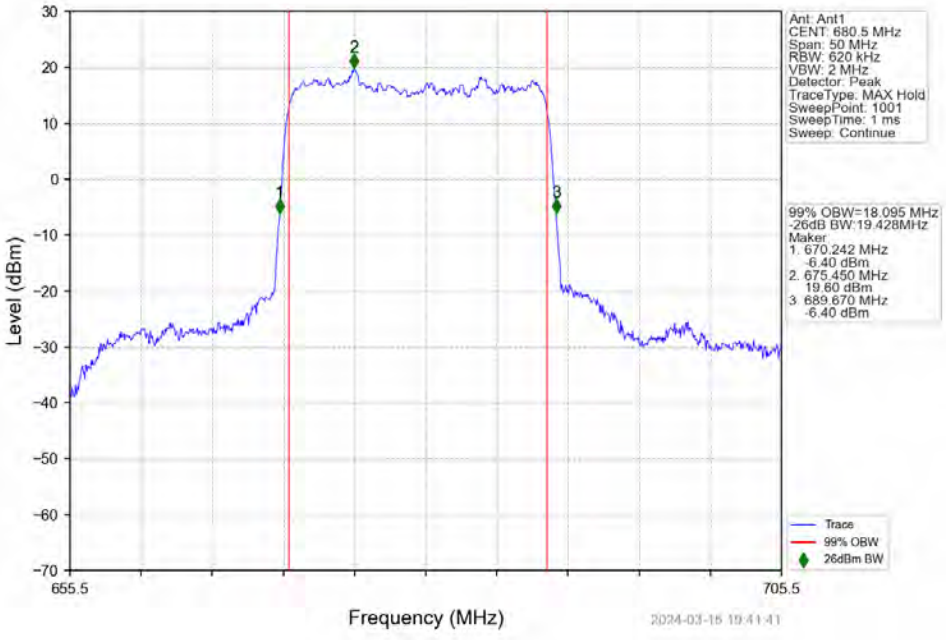
5G NR n71 SCS=15kHz SISO 20MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	673	Outer_Full	17.91	19.34	/	Pass
	680.5	Outer_Full	18.09	19.43	/	Pass
	688	Outer_Full	18.00	19.40	/	Pass
DFT-s-OFDM QPSK	673	Outer_Full	17.90	19.46	/	Pass
	680.5	Outer_Full	18.07	19.60	/	Pass
	688	Outer_Full	17.97	19.56	/	Pass
DFT-s-OFDM 16 QAM	673	Outer_Full	17.89	19.41	/	Pass
	680.5	Outer_Full	18.07	19.58	/	Pass
	688	Outer_Full	17.94	19.42	/	Pass
DFT-s-OFDM 64 QAM	673	Outer_Full	17.88	19.45	/	Pass
	680.5	Outer_Full	18.07	19.60	/	Pass
	688	Outer_Full	17.98	19.59	/	Pass
DFT-s-OFDM 256 QAM	673	Outer_Full	17.88	19.38	/	Pass
	680.5	Outer_Full	18.09	19.50	/	Pass
	688	Outer_Full	17.98	19.35	/	Pass
CP-OFDM QPSK	673	Outer_Full	18.94	20.41	/	Pass
	680.5	Outer_Full	19.10	20.59	/	Pass
	688	Outer_Full	18.98	20.48	/	Pass
CP-OFDM 16 QAM	673	Outer_Full	18.97	20.52	/	Pass
	680.5	Outer_Full	19.16	20.67	/	Pass
	688	Outer_Full	18.99	20.56	/	Pass
CP-OFDM 64 QAM	673	Outer_Full	18.96	20.43	/	Pass
	680.5	Outer_Full	19.16	20.61	/	Pass
	688	Outer_Full	19.03	20.43	/	Pass
CP-OFDM 256 QAM	673	Outer_Full	19.00	20.63	/	Pass
	680.5	Outer_Full	19.22	20.72	/	Pass
	688	Outer_Full	19.09	20.65	/	Pass

3.4.2 Test Graph

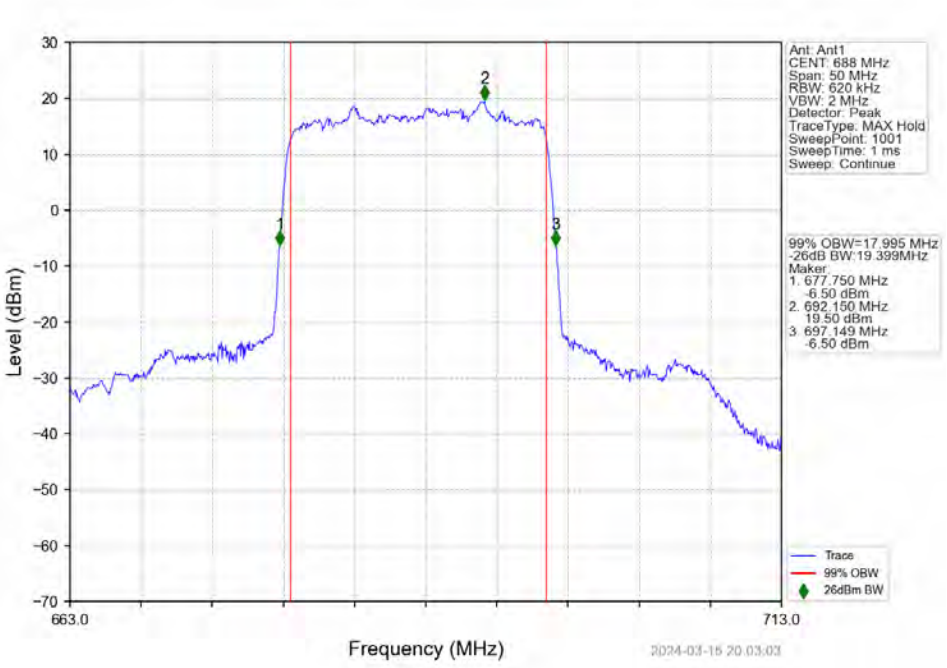
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_673MHz_Outer_Full



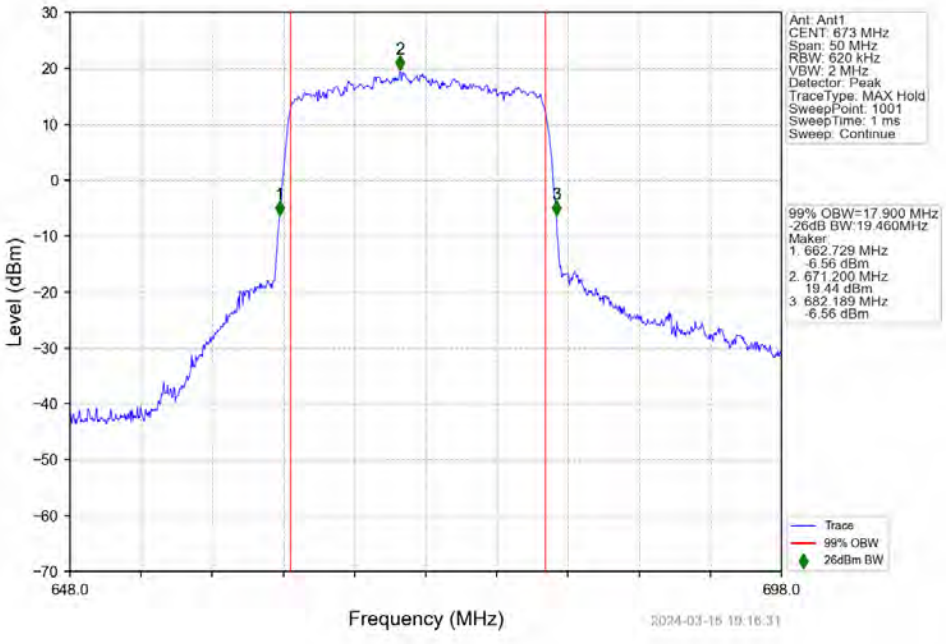
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Outer_Full



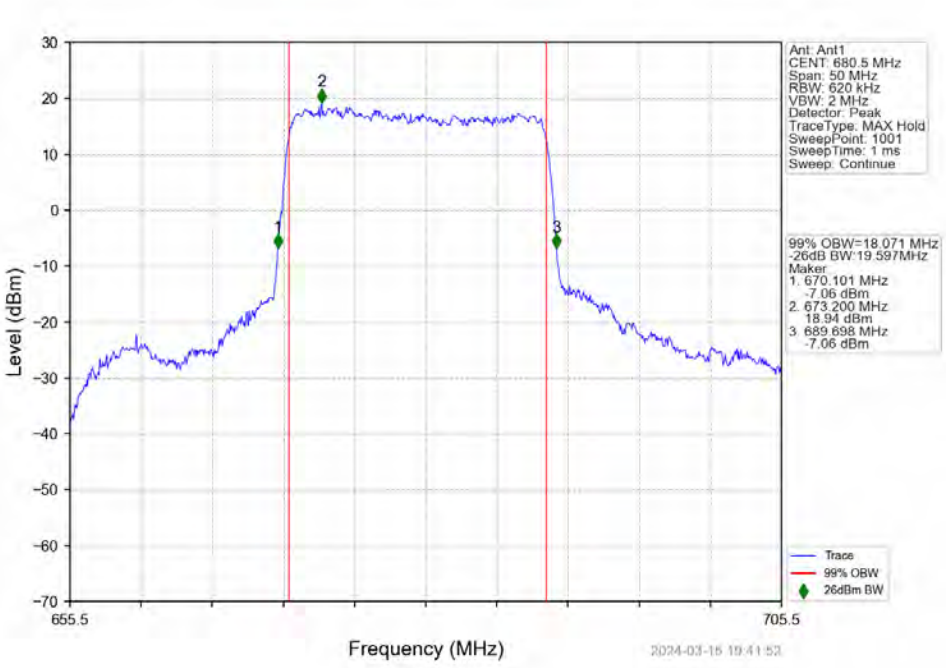
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_688MHz_Outer_Full



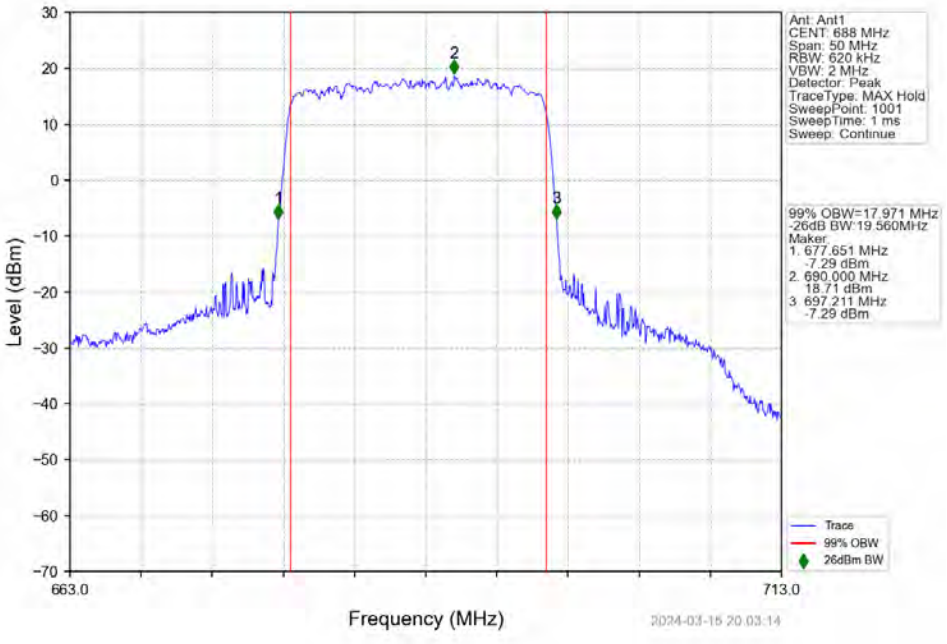
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_673MHz_Outer_Full



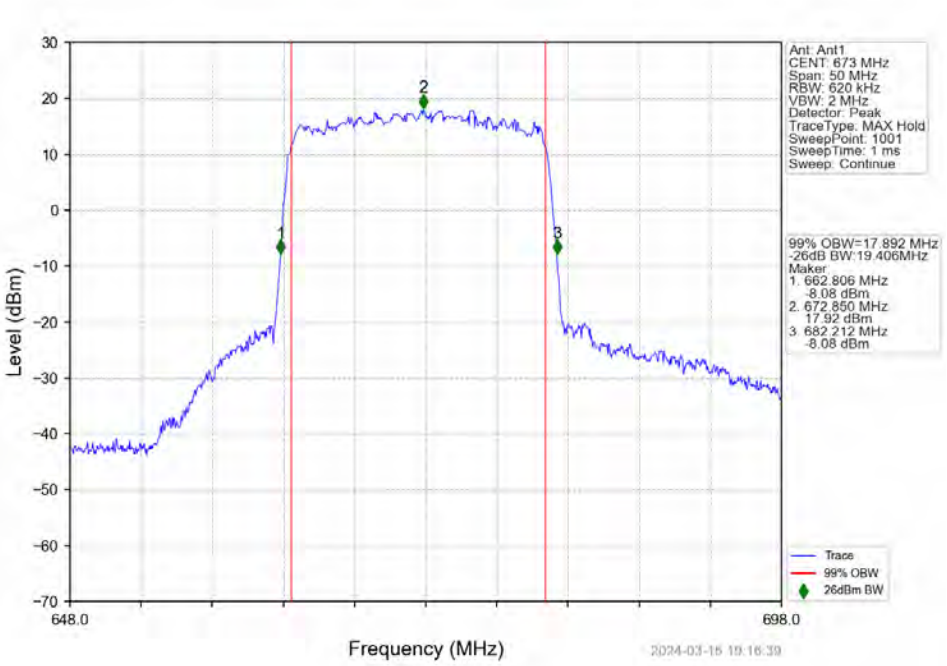
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_680.5MHz_Outer_Full



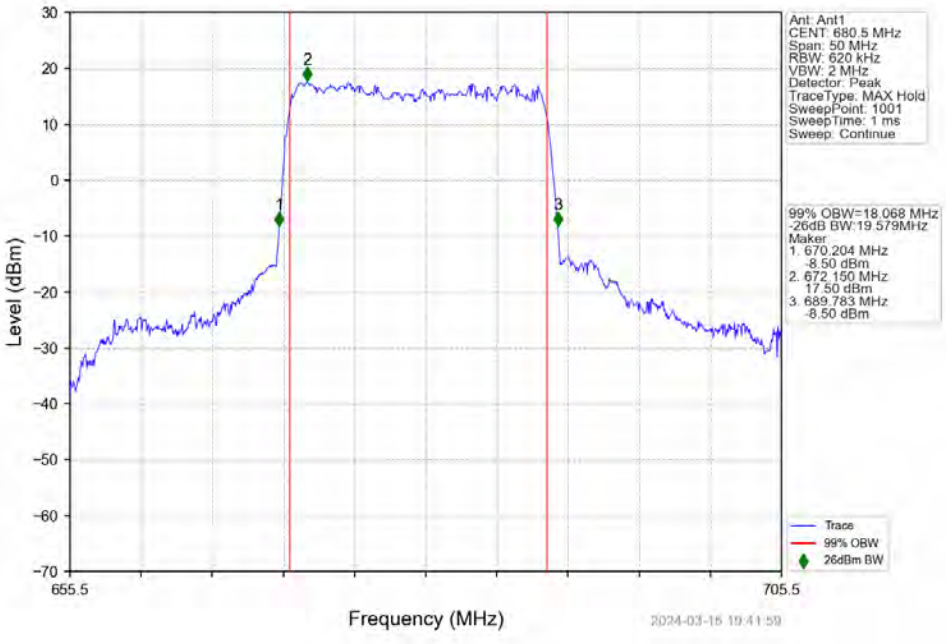
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_688MHz_Outer_Full



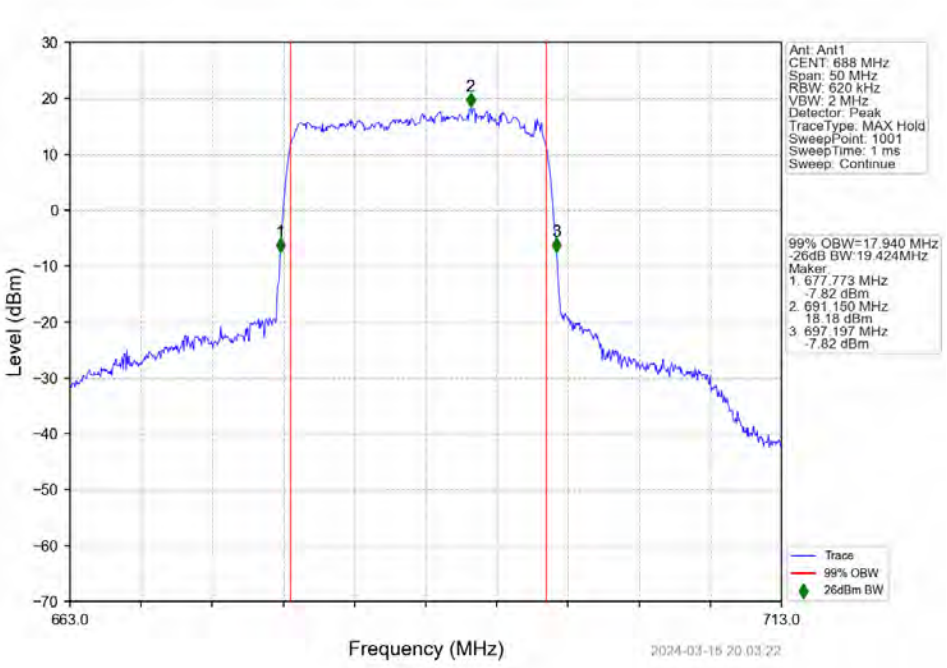
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_673MHz_Outer_Full



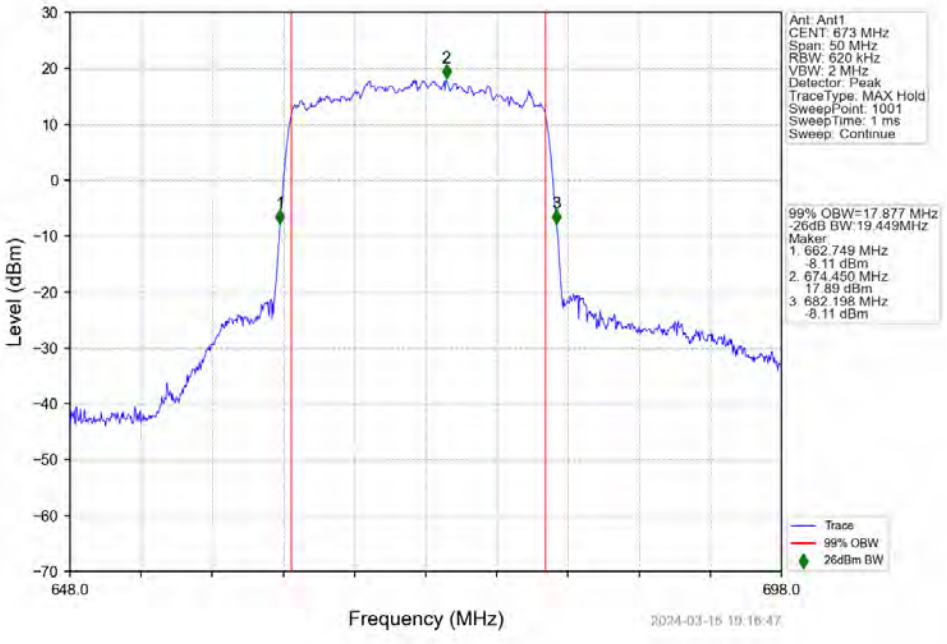
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_680.5MHz_Outer_Full



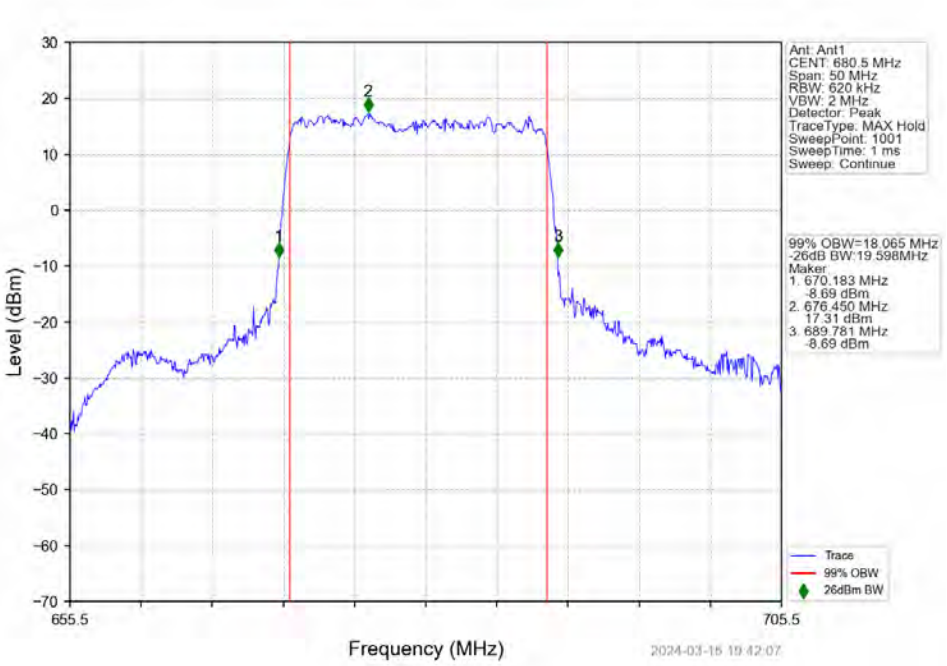
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_688MHz_Outer_Full



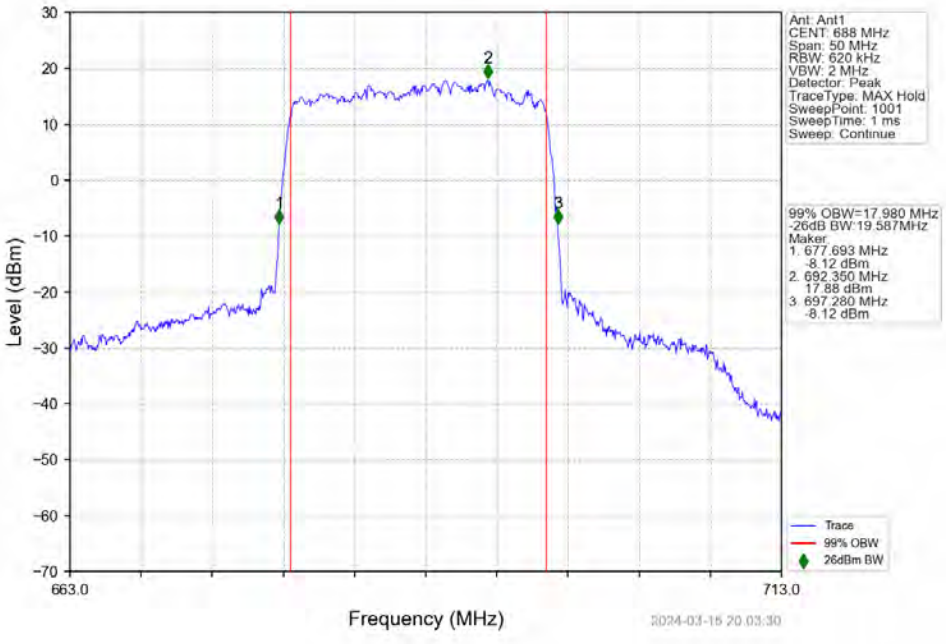
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_673MHz_Outer_Full



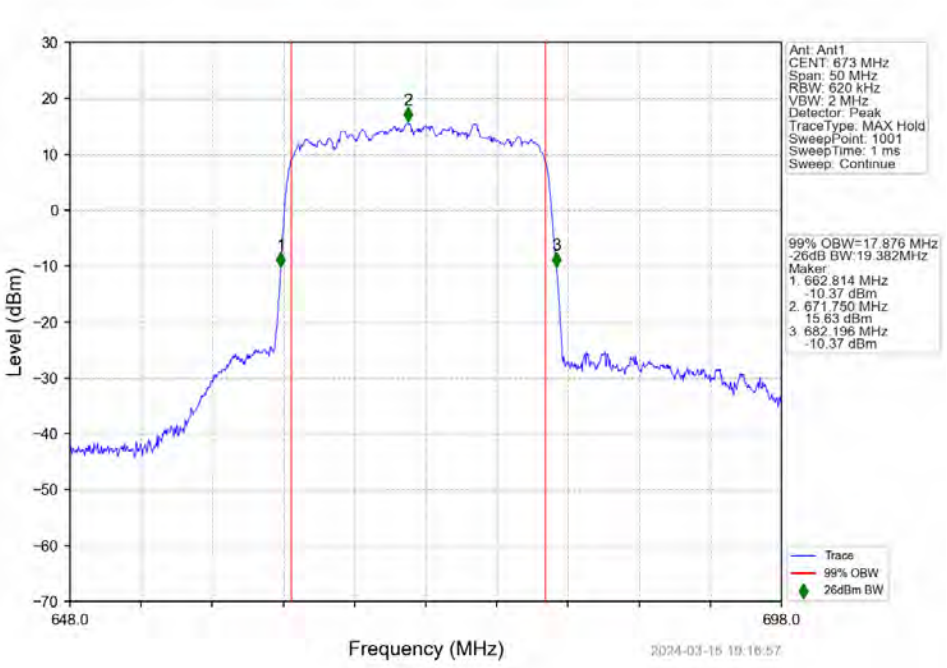
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_680.5MHz_Outer_Full



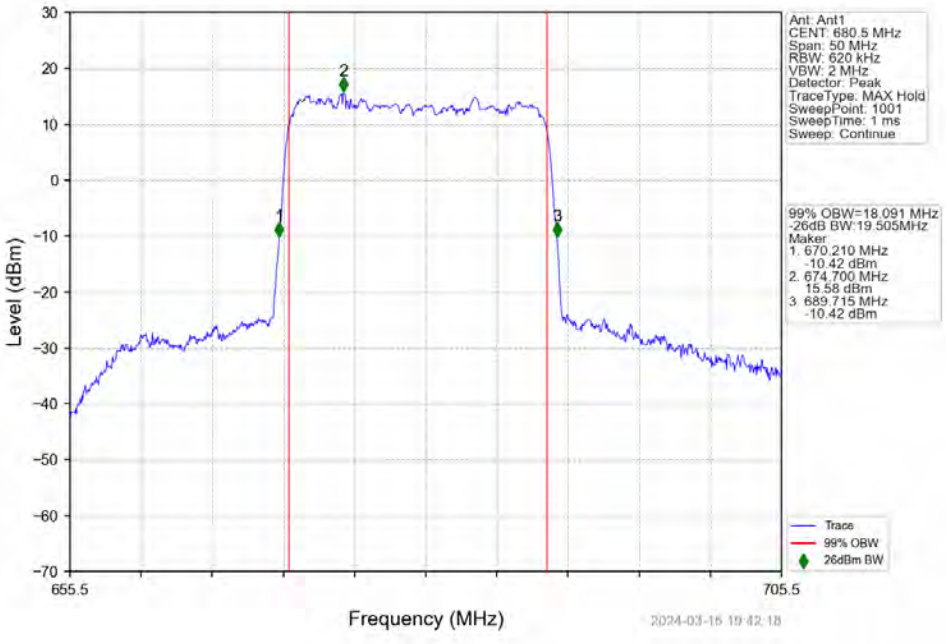
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_688MHz_Outer_Full



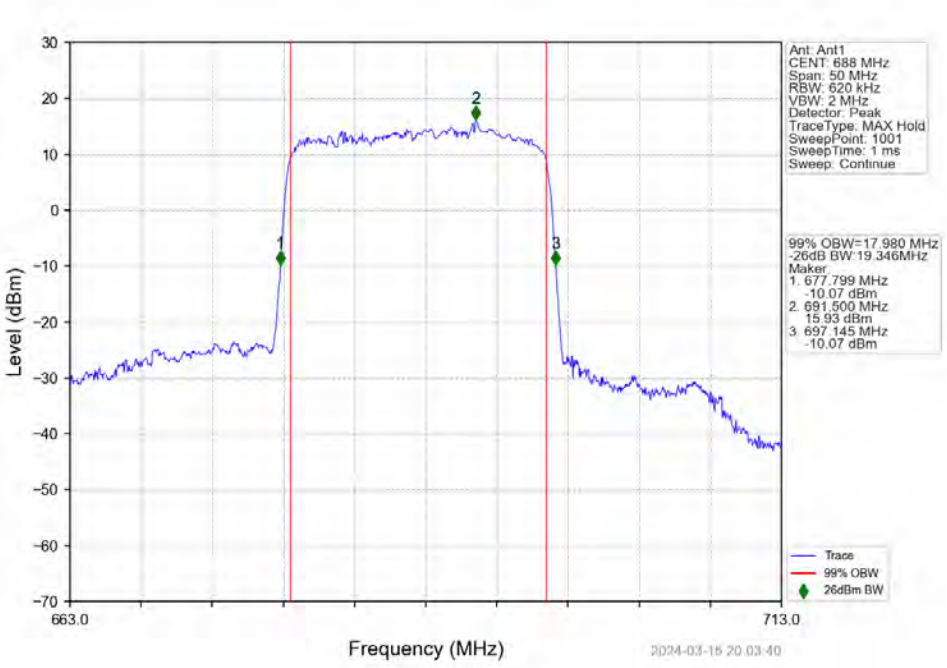
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_673MHz_Outer_Full



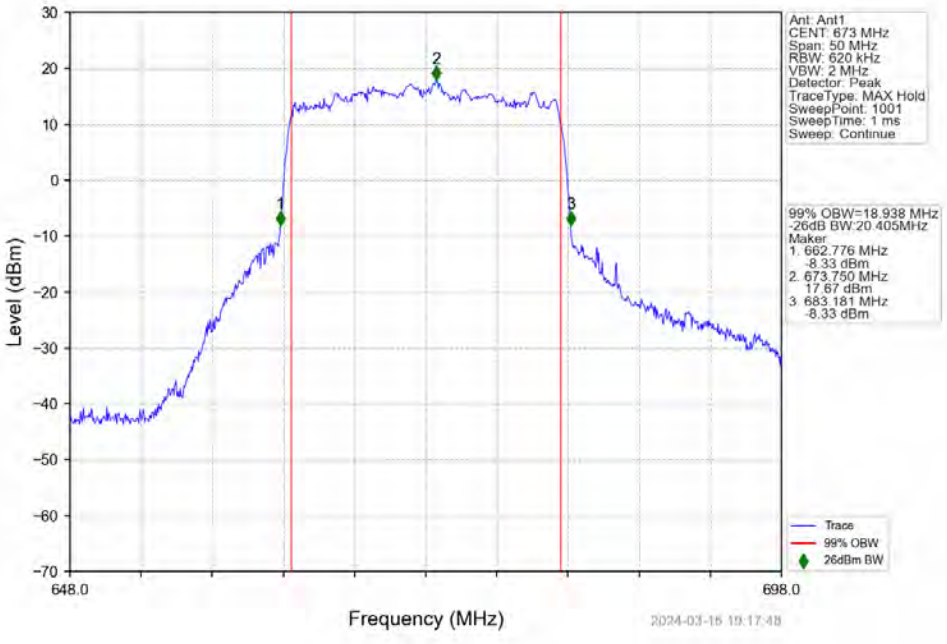
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_680.5MHz_Outer_Full



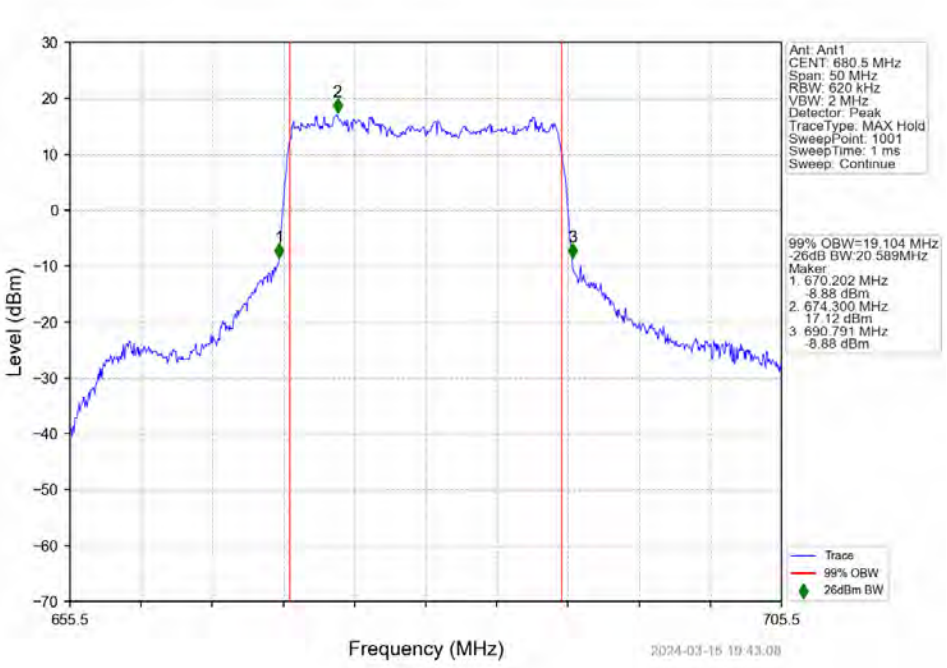
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_688MHz_Outer_Full



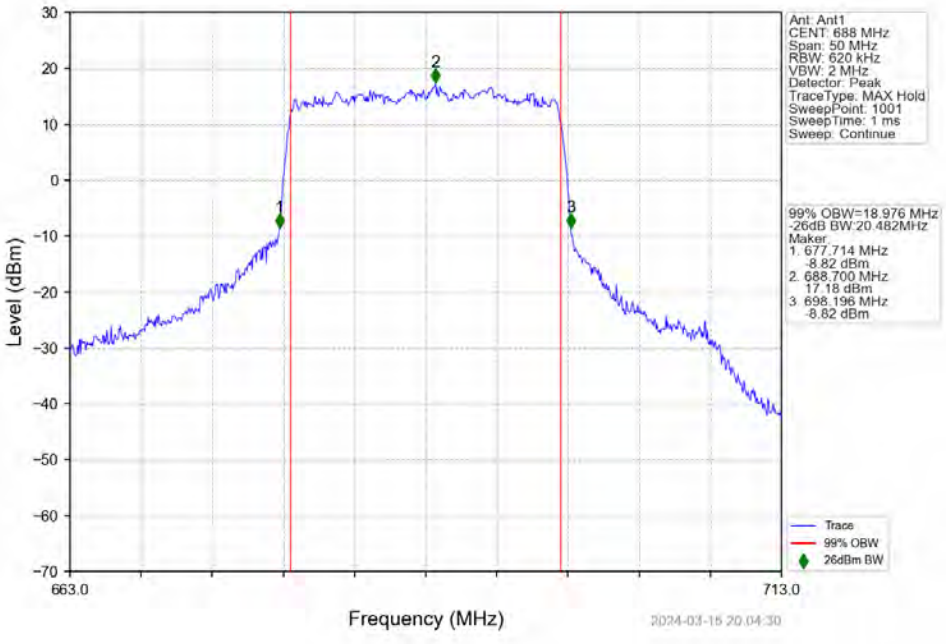
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_673MHz_Outer_Full



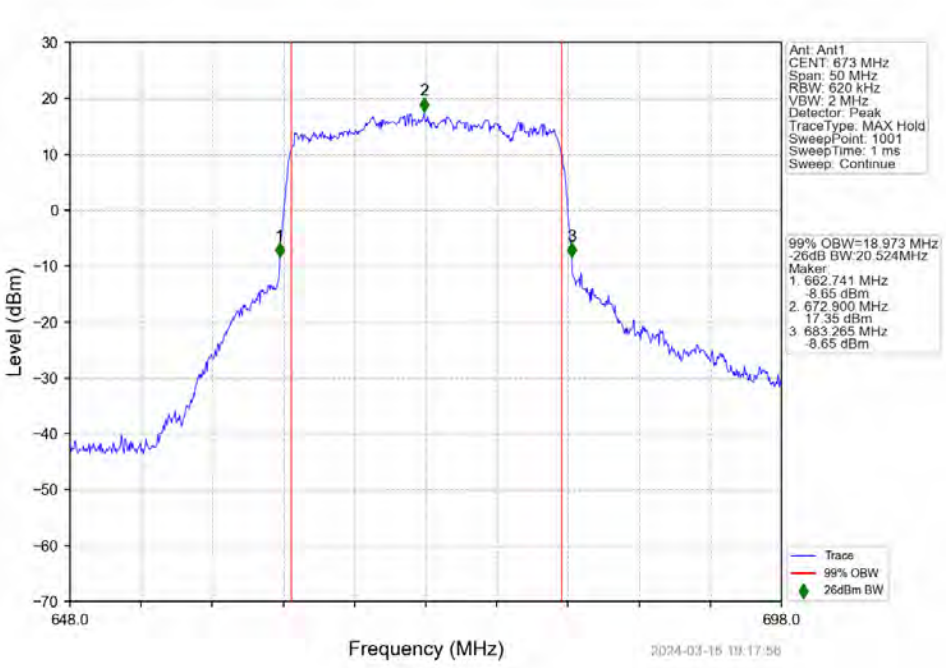
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_680.5MHz_Outer_Full



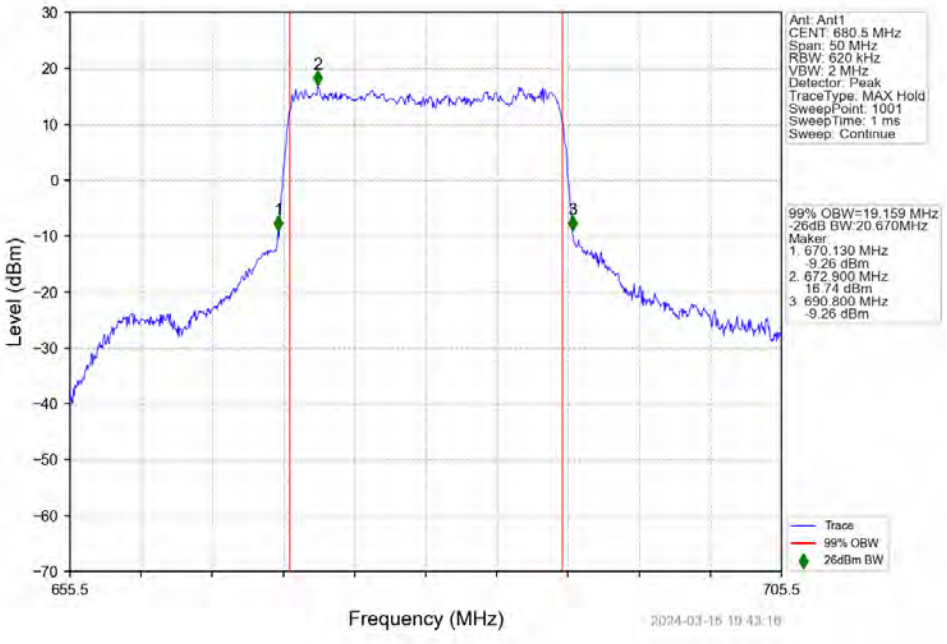
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_688MHz_Outer_Full



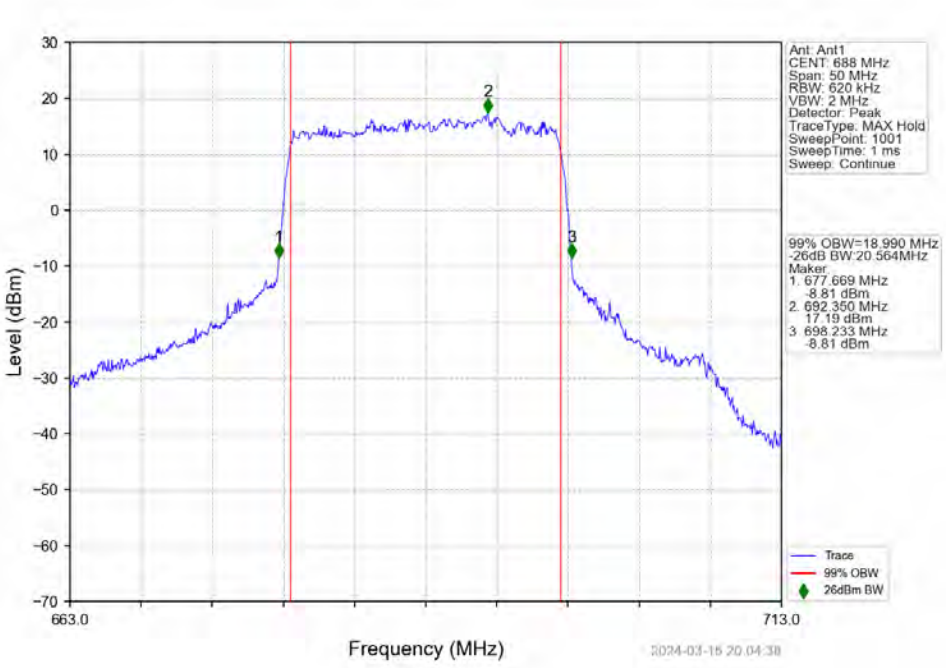
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_673MHz_Outer_Full



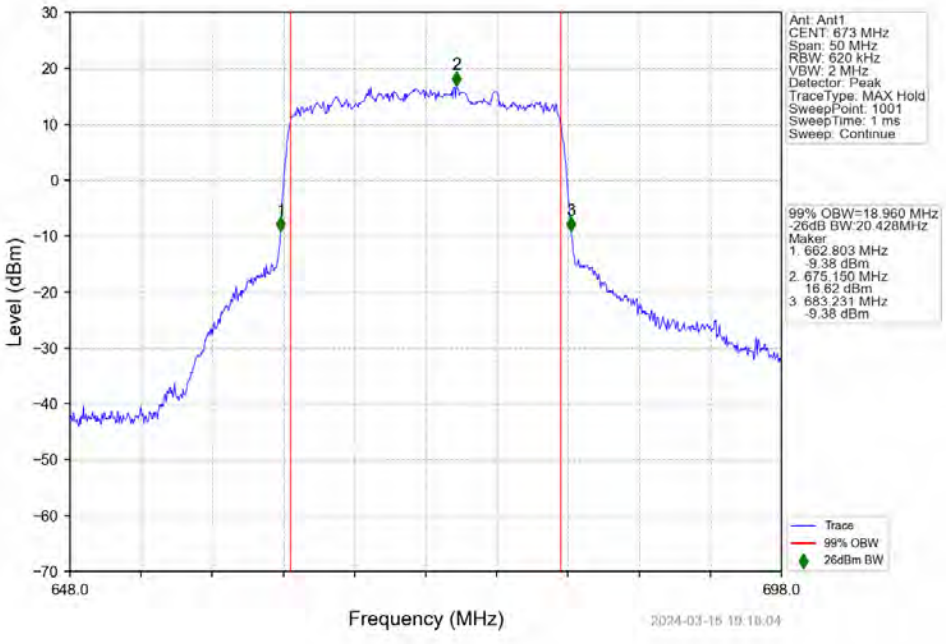
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_680.5MHz_Outer_Full



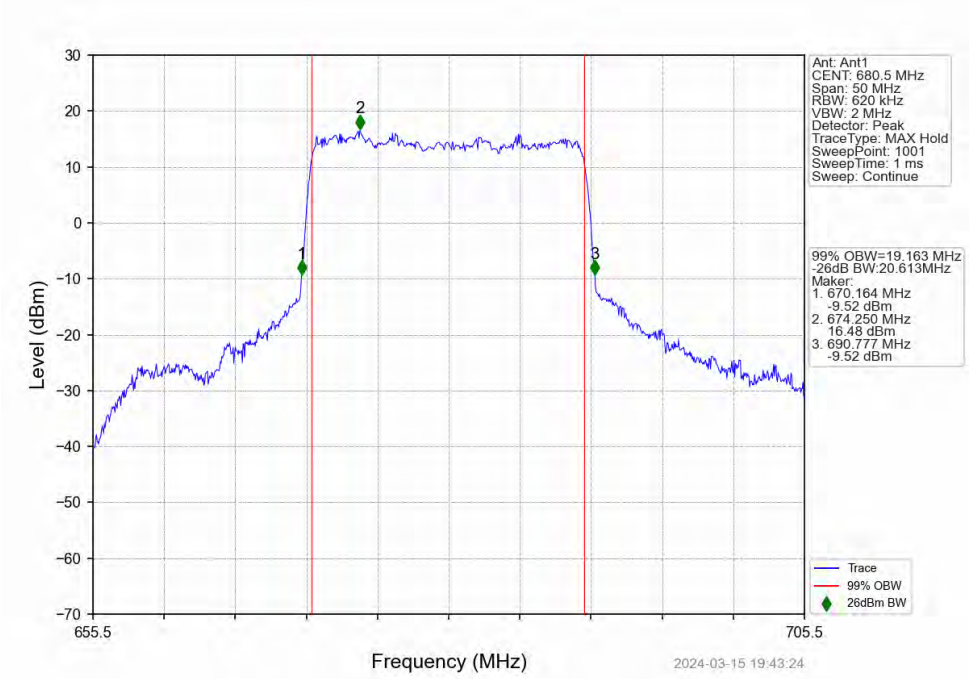
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_688MHz_Outer_Full



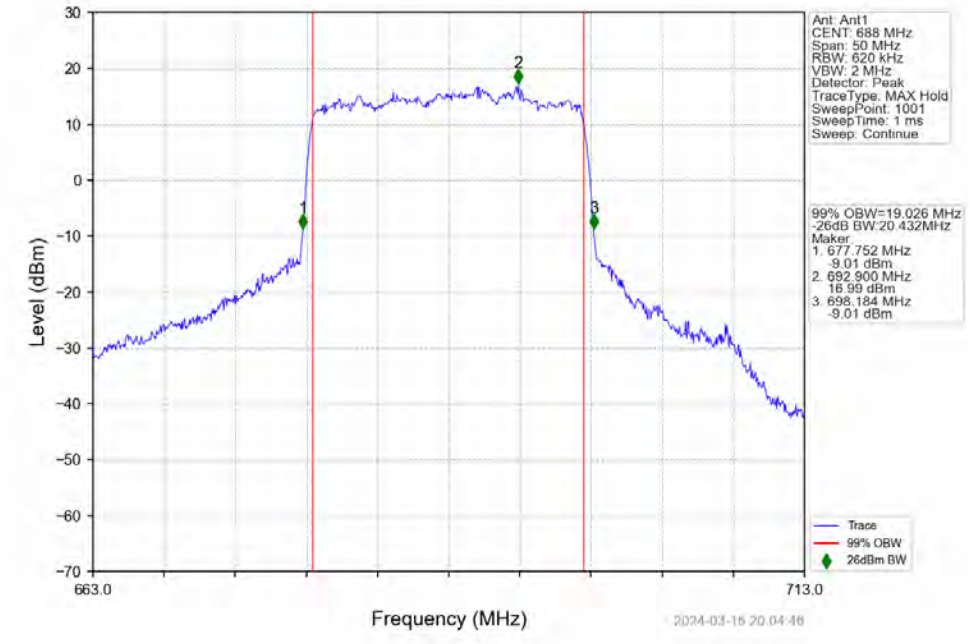
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_673MHz_Outer_Full



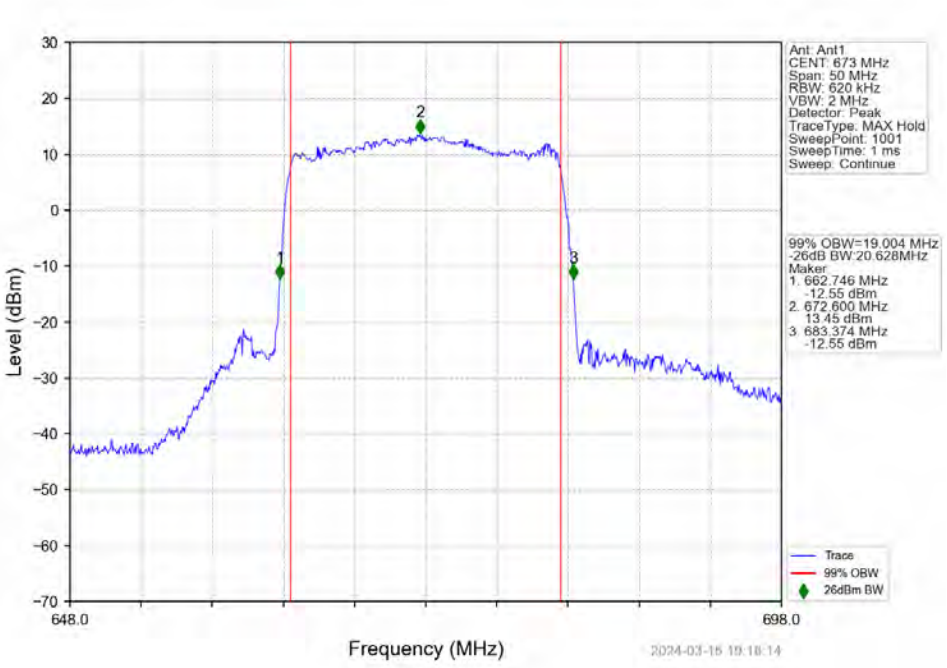
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_680.5MHz_Outer_Full



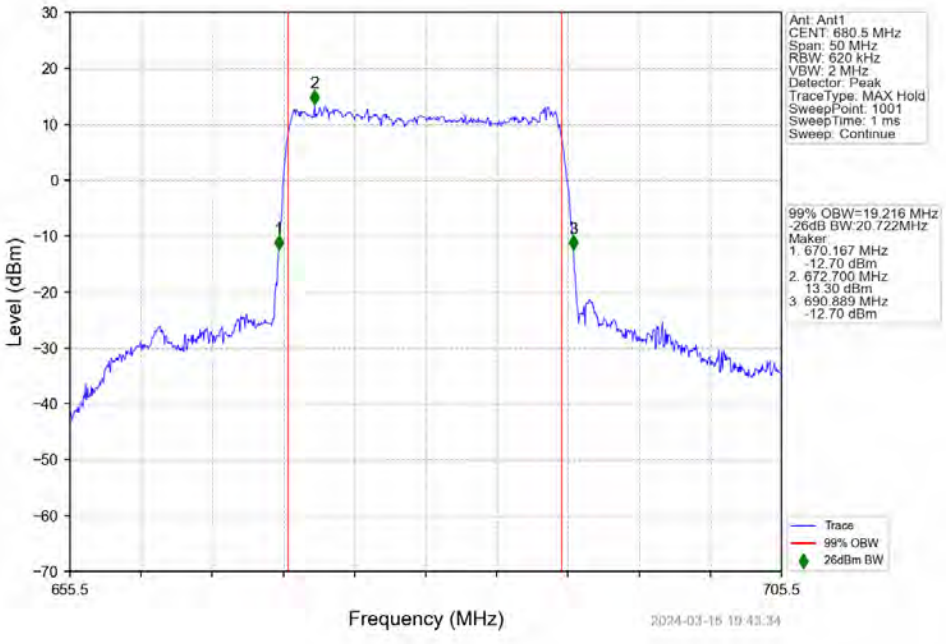
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_688MHz_Outer_Full



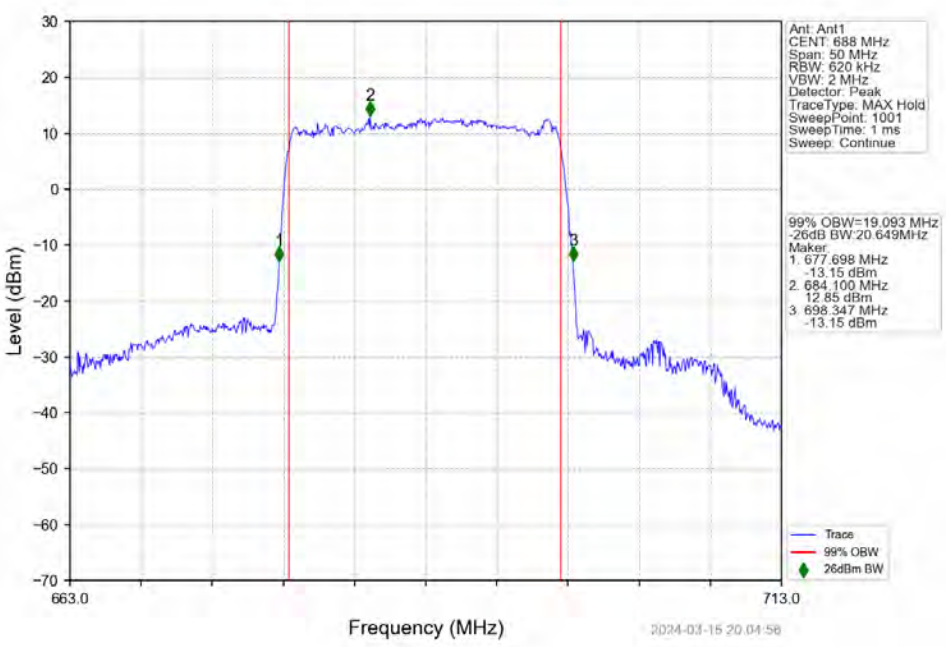
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_673MHz_Outer_Full



n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_680.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_688MHz_Outer_Full



4. Peak-Average Ratio

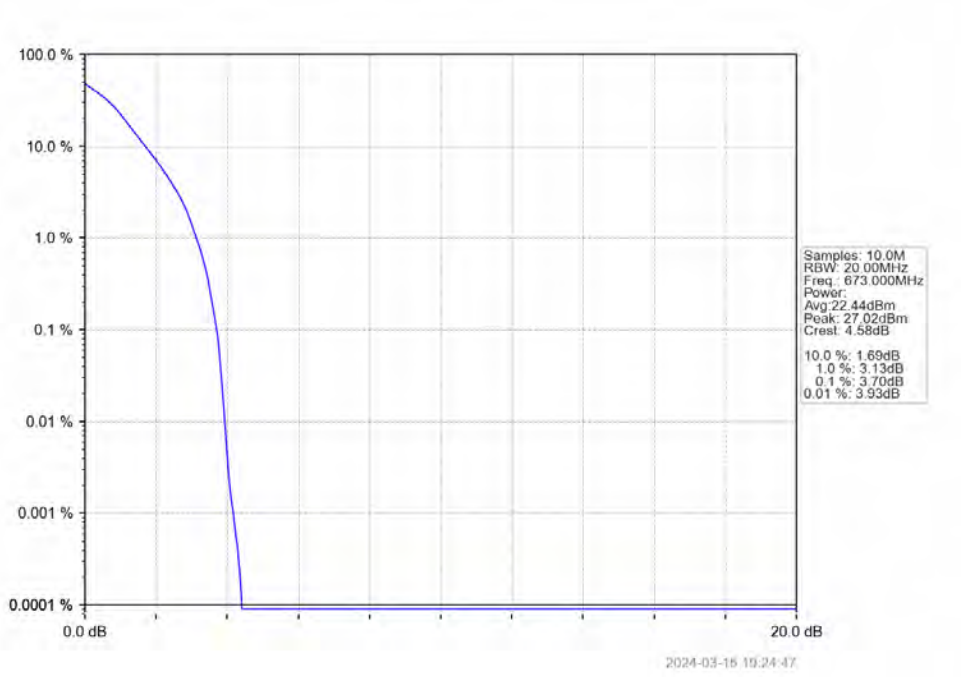
4.1 15k_SISO_20MHz_NTNV

4.1.1 Test Result

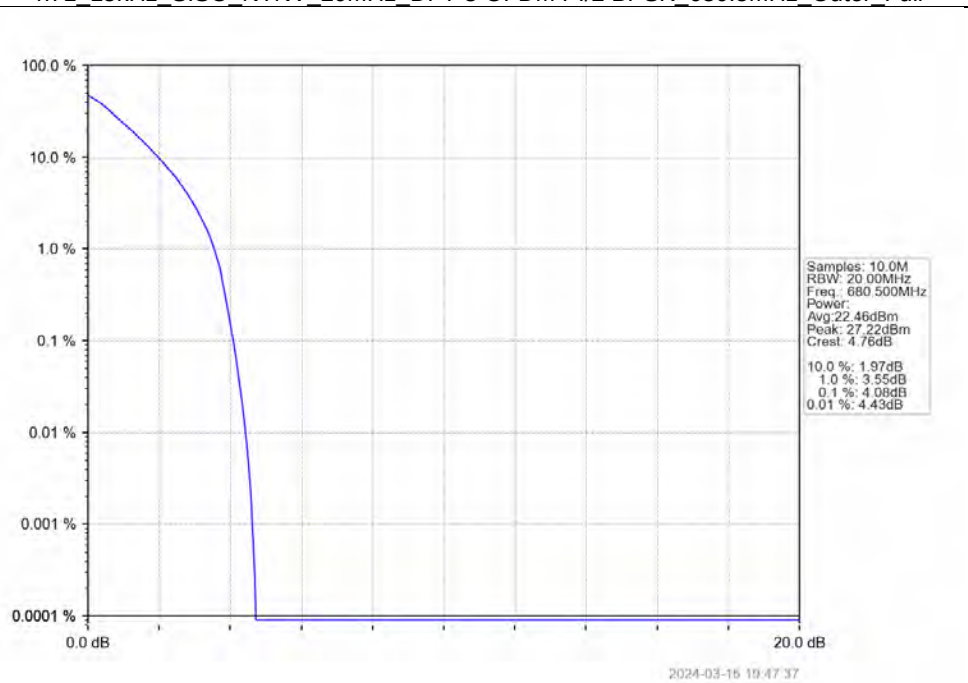
5G NR n71 SCS=15kHz SISO 20MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	673	Outer_Full	3.70	/	/	<=13	Pass
	680.5	Outer_Full	4.08	/	/	<=13	Pass
	688	Outer_Full	3.83	/	/	<=13	Pass
DFT-s-OFDM QPSK	673	Outer_Full	4.56	/	/	<=13	Pass
	680.5	Outer_Full	4.40	/	/	<=13	Pass
	688	Outer_Full	4.59	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	673	Outer_Full	5.29	/	/	<=13	Pass
	680.5	Outer_Full	5.32	/	/	<=13	Pass
	688	Outer_Full	5.46	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	673	Outer_Full	5.60	/	/	<=13	Pass
	680.5	Outer_Full	5.72	/	/	<=13	Pass
	688	Outer_Full	5.72	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	673	Outer_Full	6.51	/	/	<=13	Pass
	680.5	Outer_Full	6.73	/	/	<=13	Pass
	688	Outer_Full	6.59	/	/	<=13	Pass
CP-OFDM QPSK	673	Outer_Full	6.78	/	/	<=13	Pass
	680.5	Outer_Full	6.48	/	/	<=13	Pass
	688	Outer_Full	6.76	/	/	<=13	Pass
CP-OFDM 16 QAM	673	Outer_Full	6.81	/	/	<=13	Pass
	680.5	Outer_Full	6.52	/	/	<=13	Pass
	688	Outer_Full	6.78	/	/	<=13	Pass
CP-OFDM 64 QAM	673	Outer_Full	7.11	/	/	<=13	Pass
	680.5	Outer_Full	6.87	/	/	<=13	Pass
	688	Outer_Full	7.10	/	/	<=13	Pass
CP-OFDM 256 QAM	673	Outer_Full	8.43	/	/	<=13	Pass
	680.5	Outer_Full	8.42	/	/	<=13	Pass
	688	Outer_Full	8.36	/	/	<=13	Pass

4.1.2 Test Graph

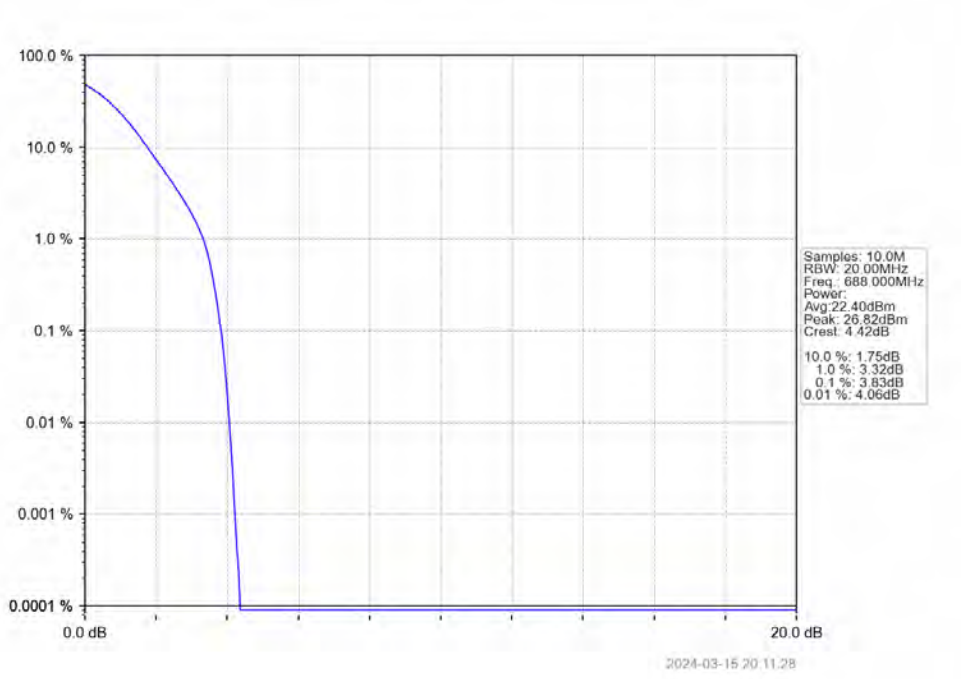
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_673MHz_Outer_Full



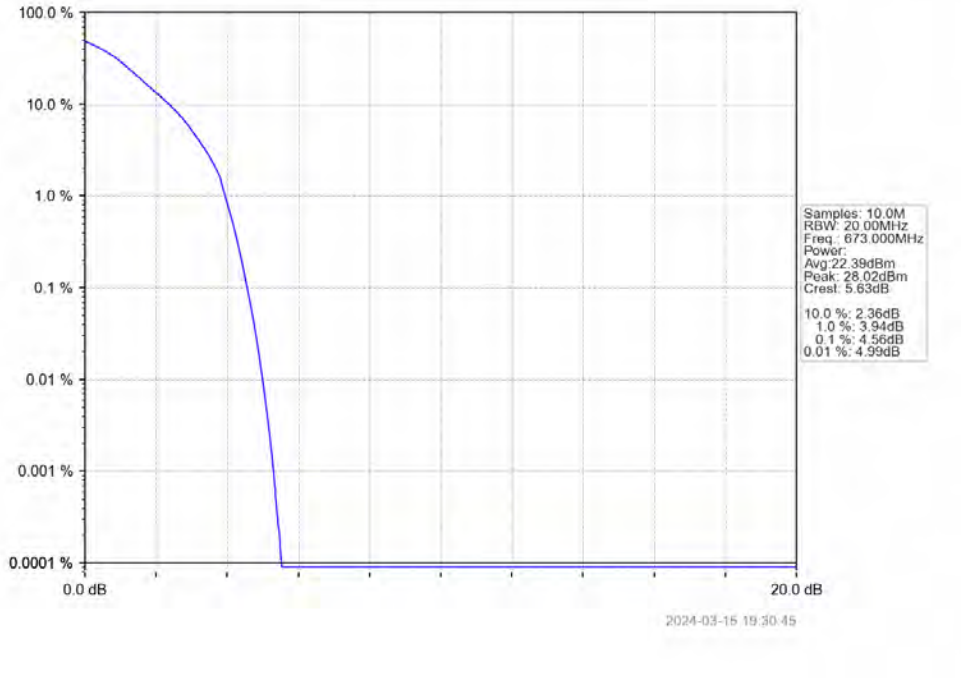
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Outer_Full



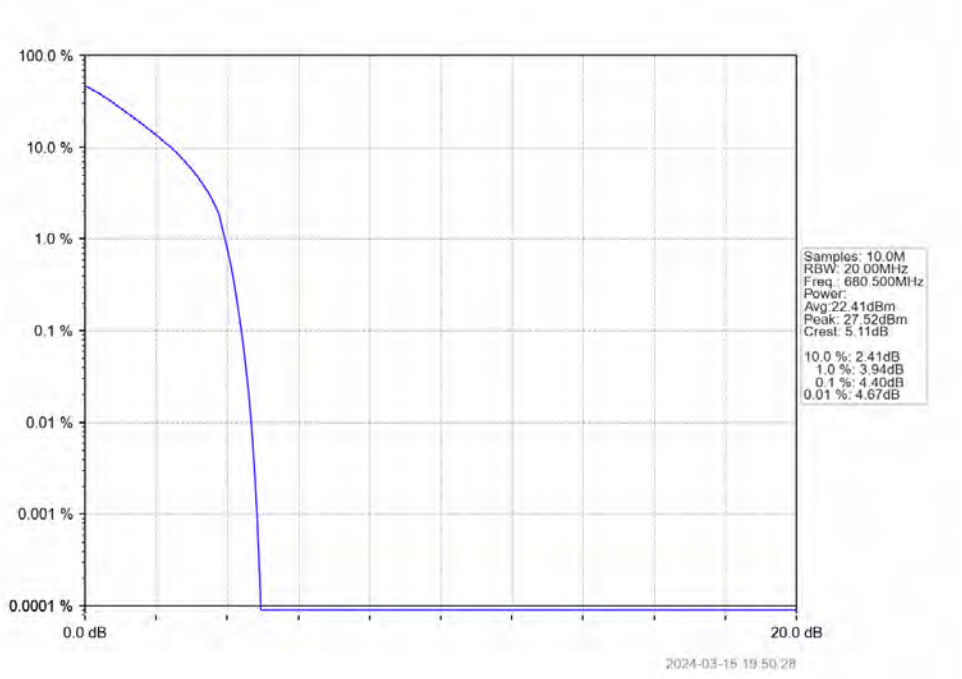
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_688MHz_Outer_Full



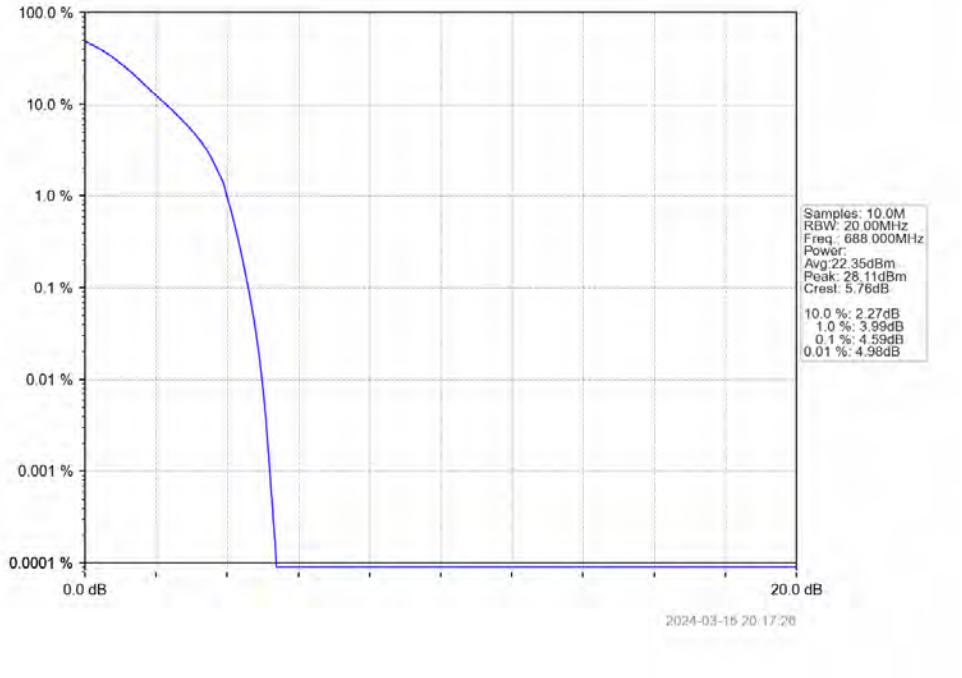
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_673MHz_Outer_Full



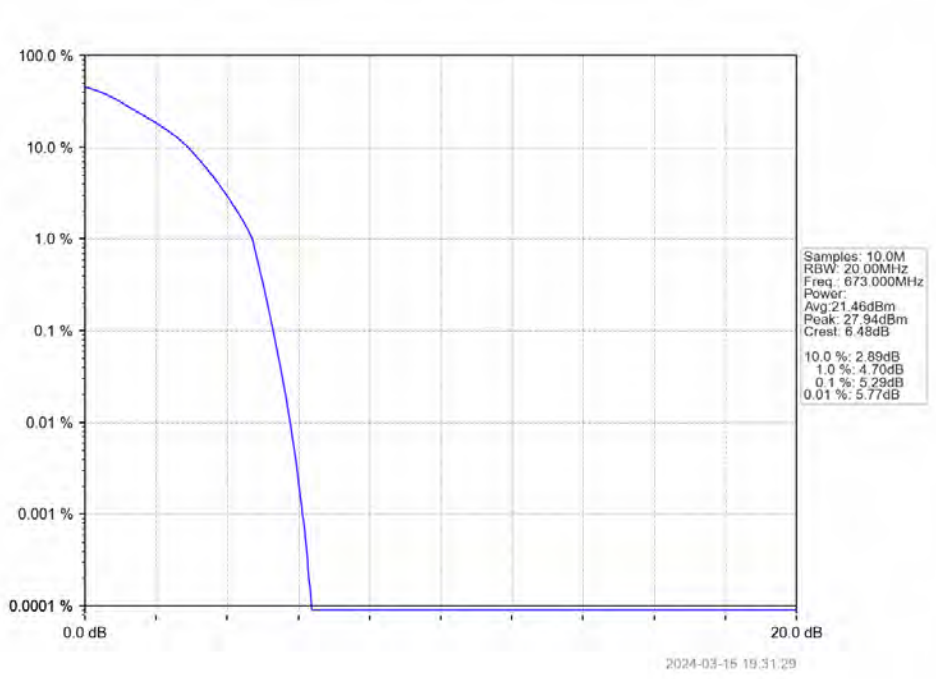
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_680.5MHz_Outer_Full



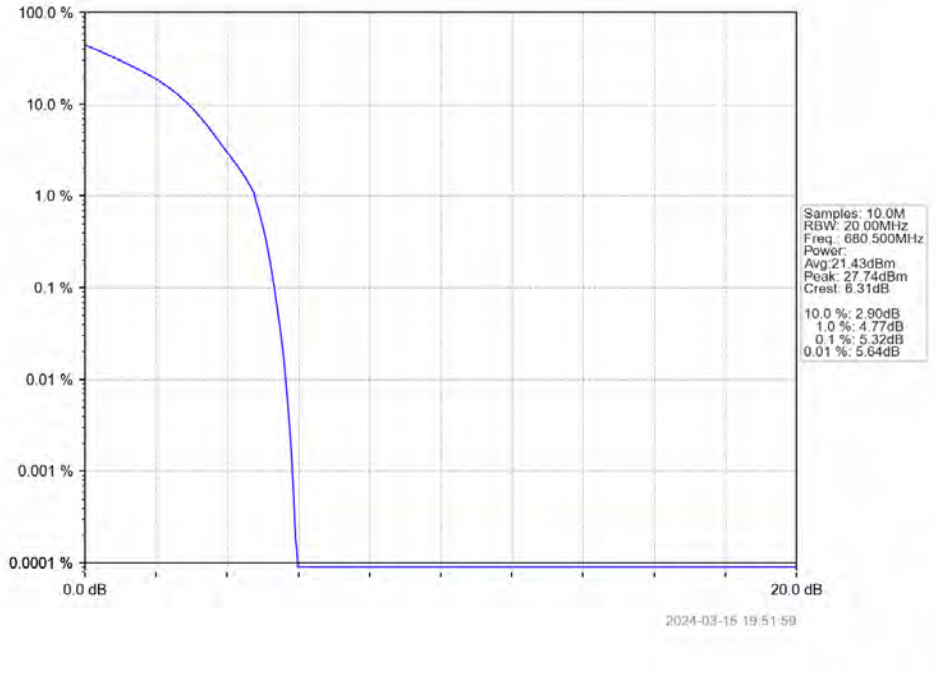
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_688MHz_Outer_Full



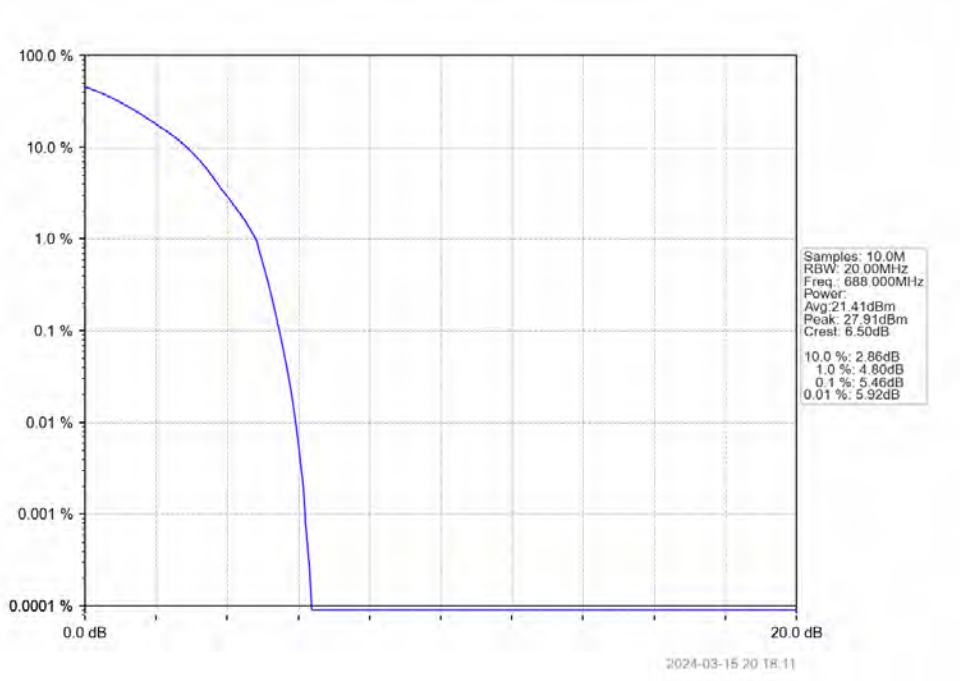
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_673MHz_Outer_Full



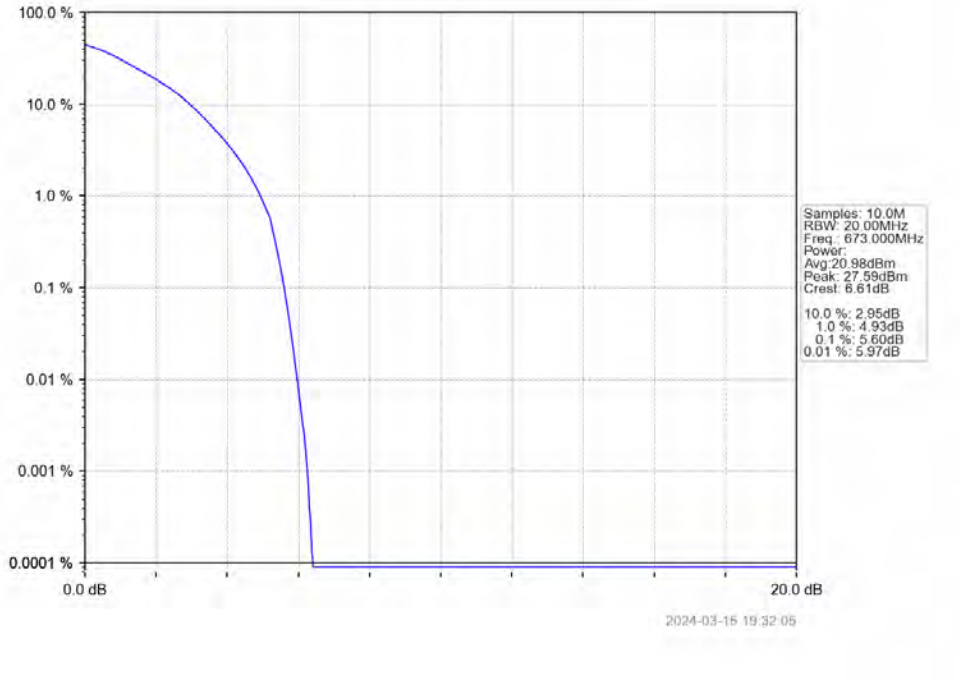
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_680.5MHz_Outer_Full



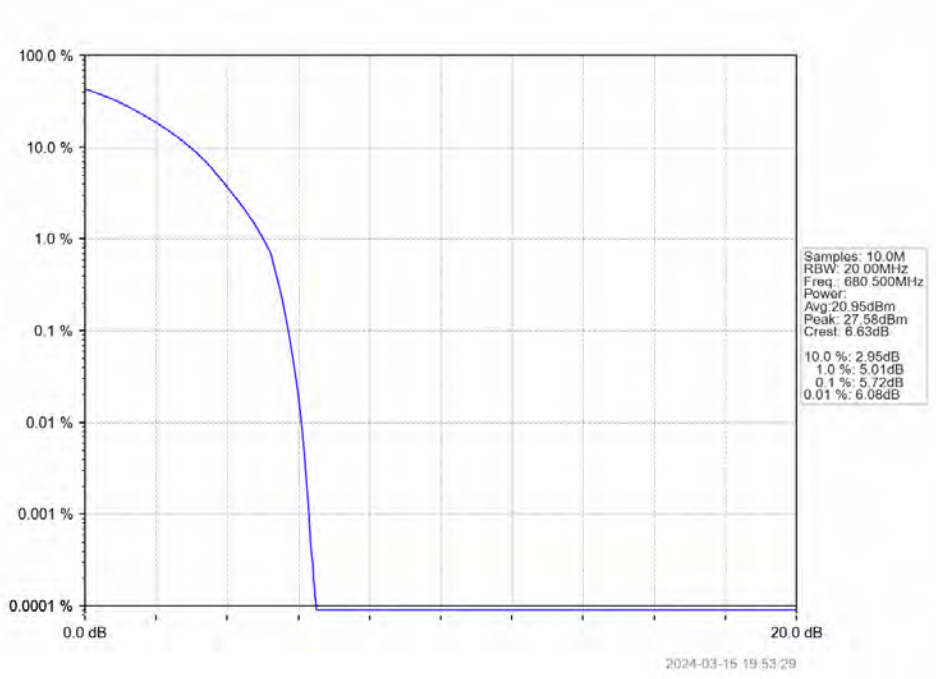
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_688MHz_Outer_Full



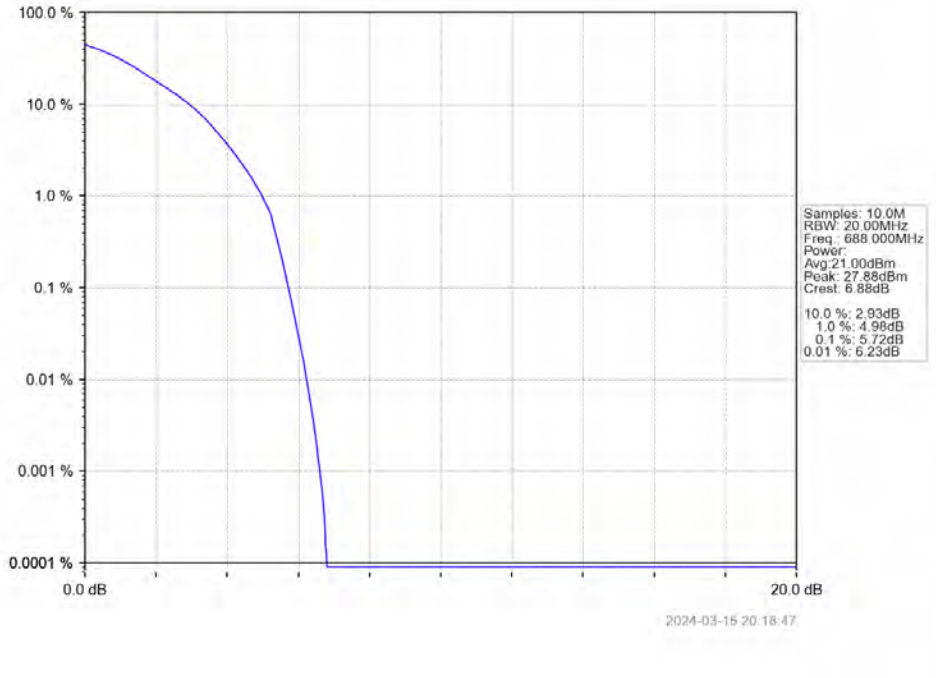
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_673MHz_Outer_Full



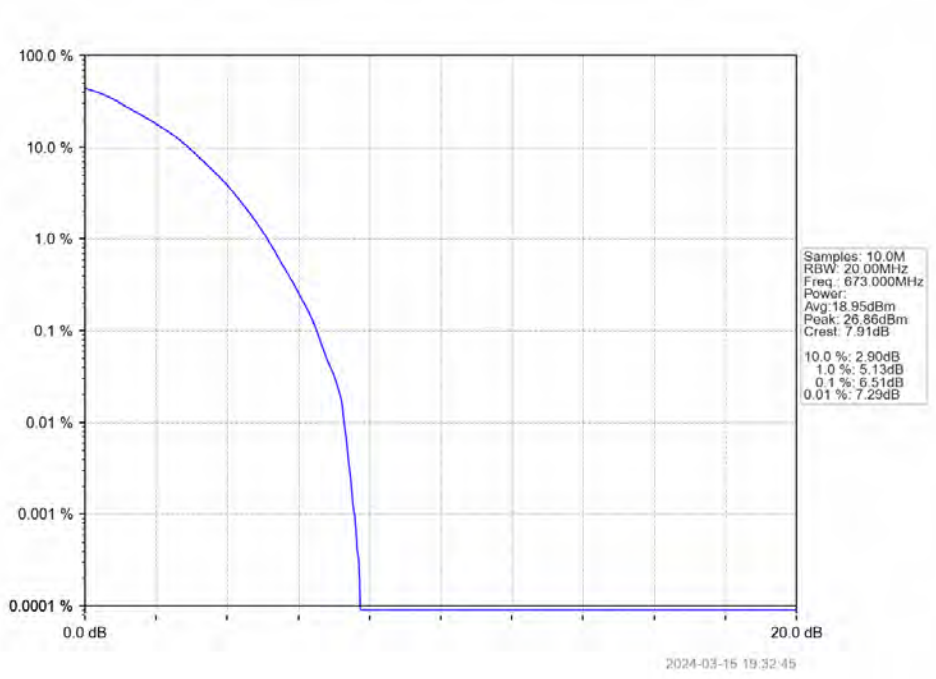
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_680.5MHz_Outer_Full



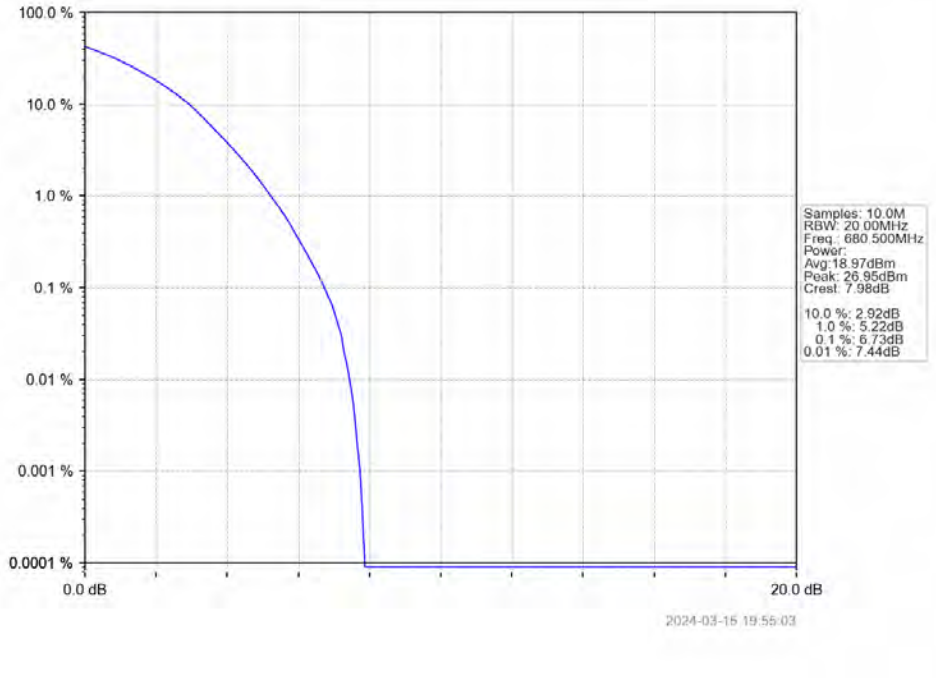
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_688MHz_Outer_Full



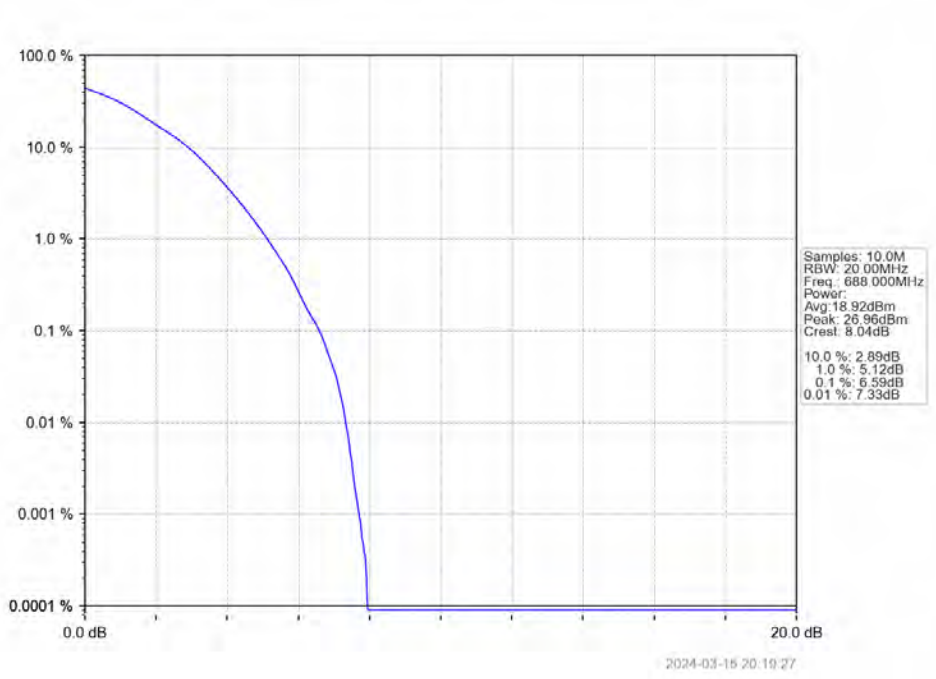
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_673MHz_Outer_Full



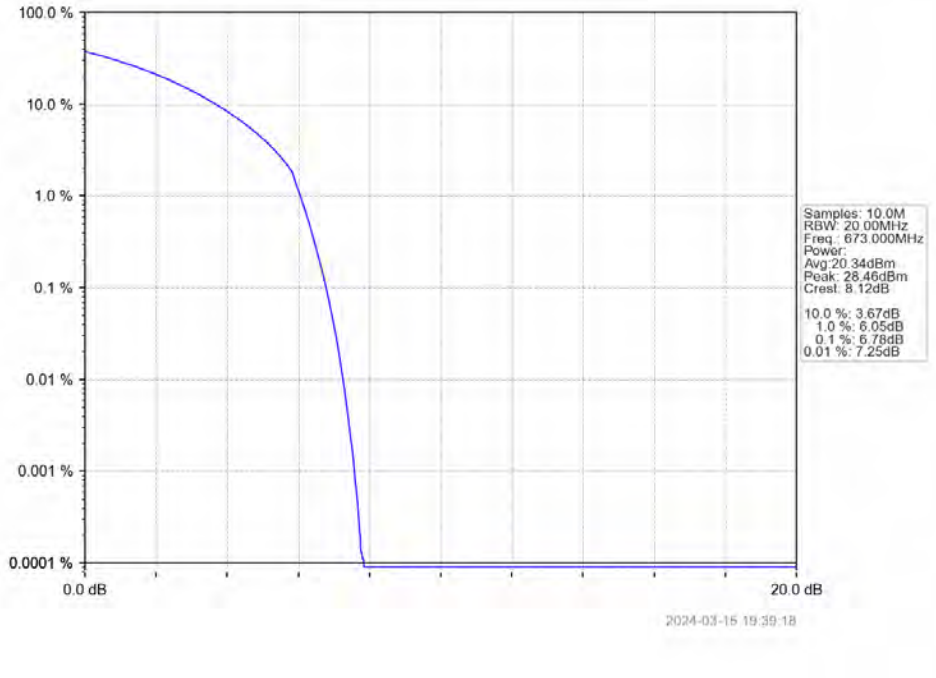
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_680.5MHz_Outer_Full



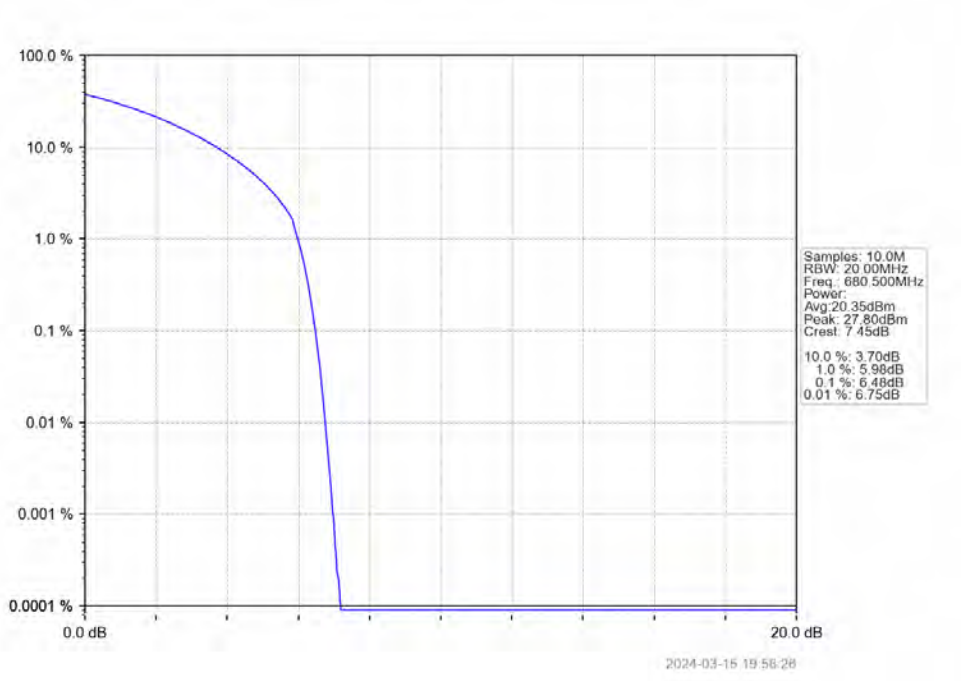
n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_688MHz_Outer_Full



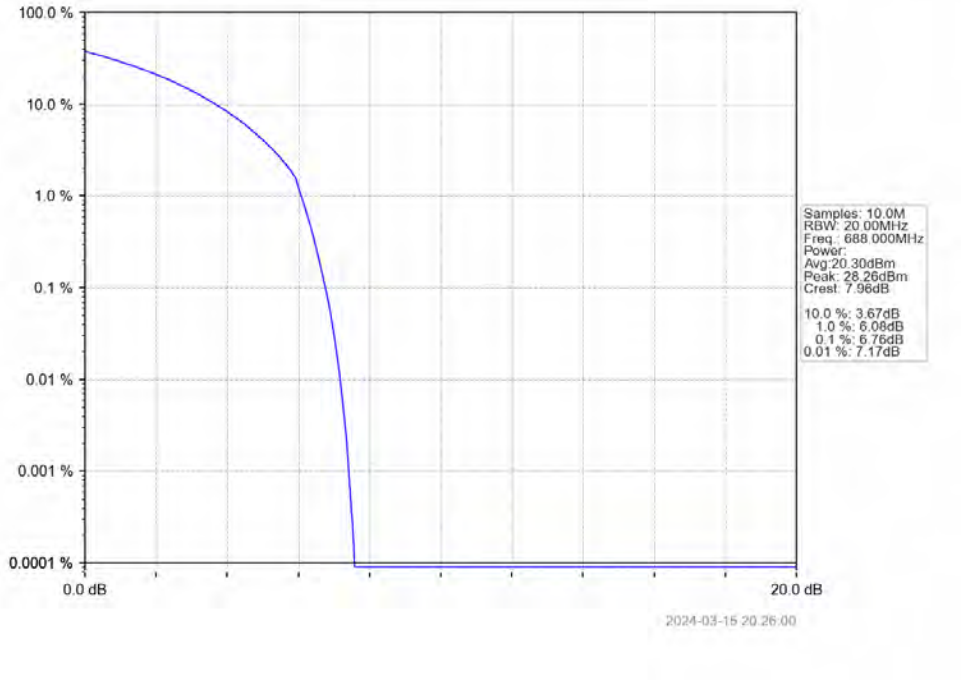
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_673MHz_Outer_Full



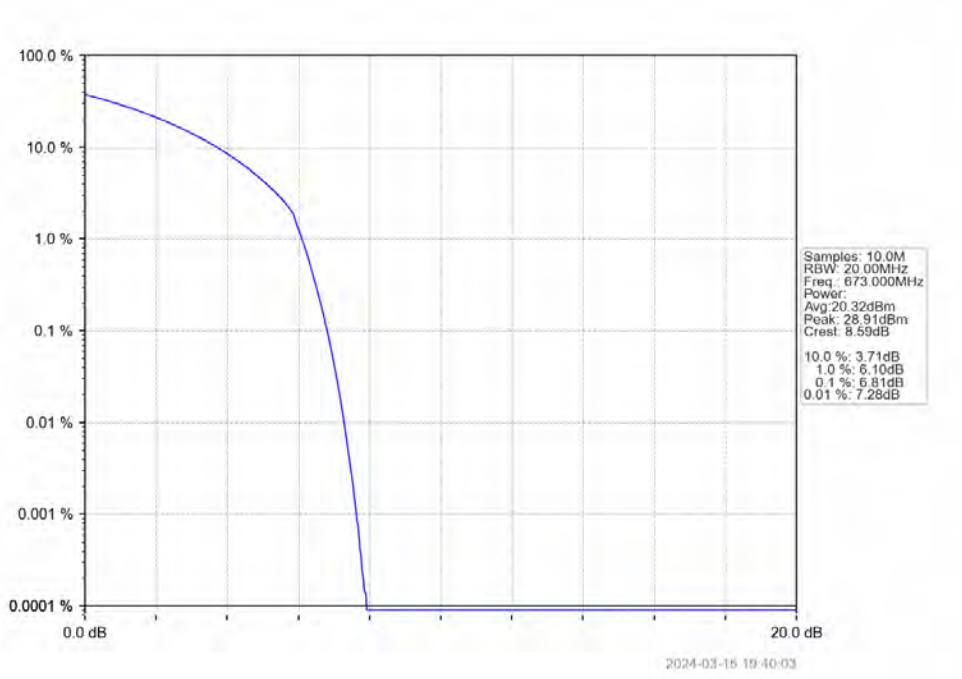
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_680.5MHz_Outer_Full



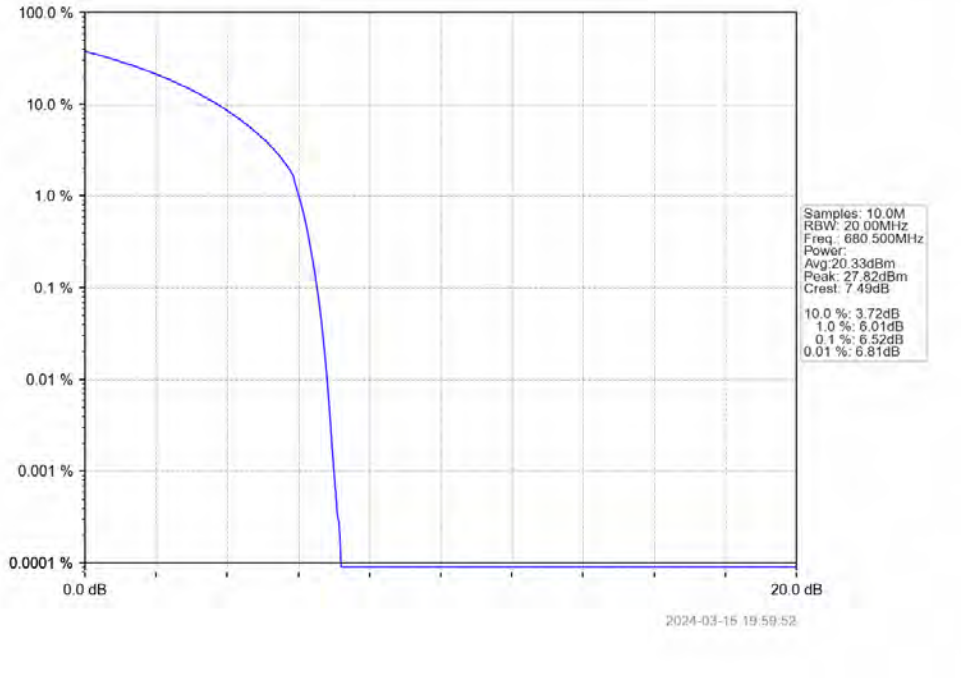
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_688MHz_Outer_Full



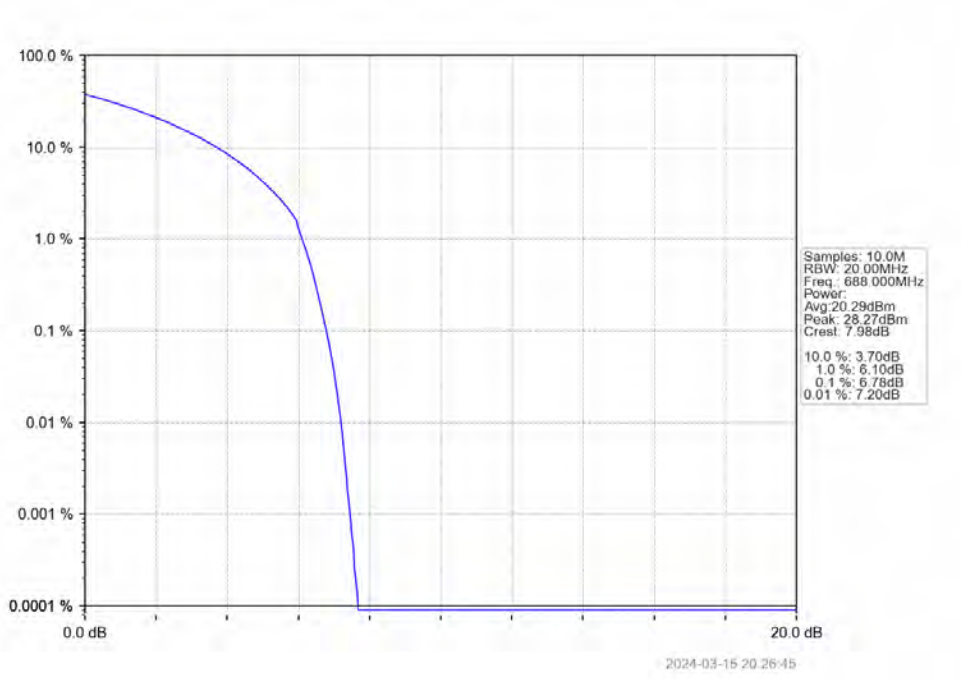
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_673MHz_Outer_Full



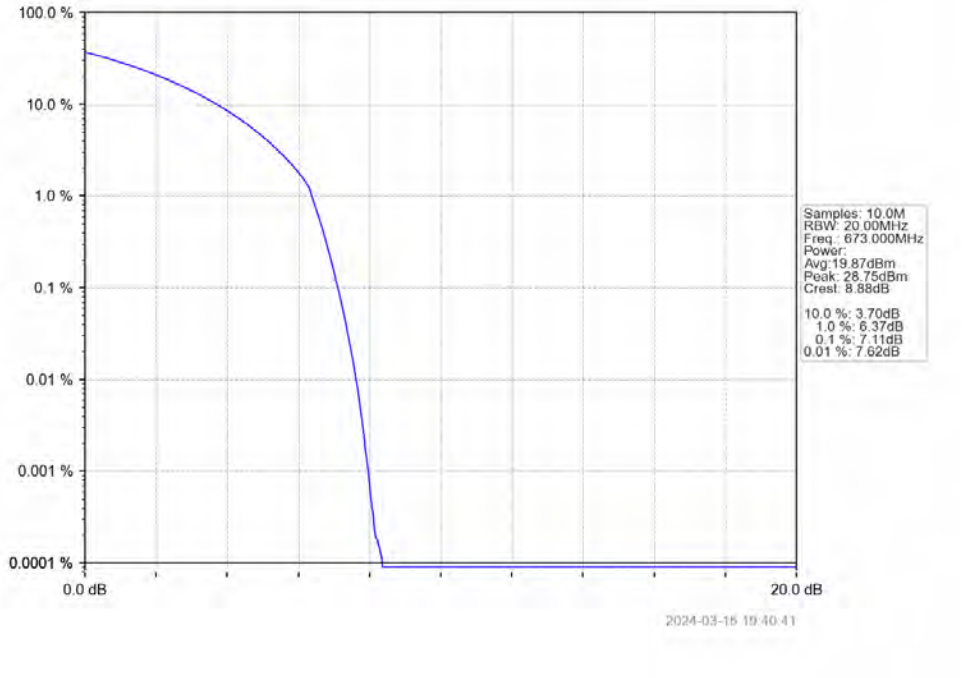
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_680.5MHz_Outer_Full



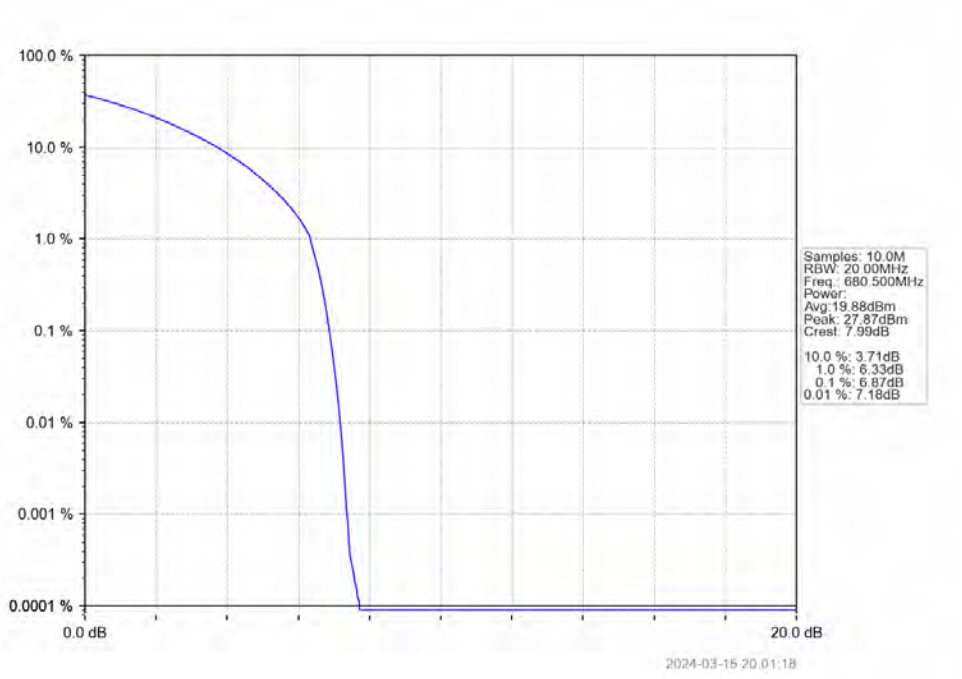
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_688MHz_Outer_Full



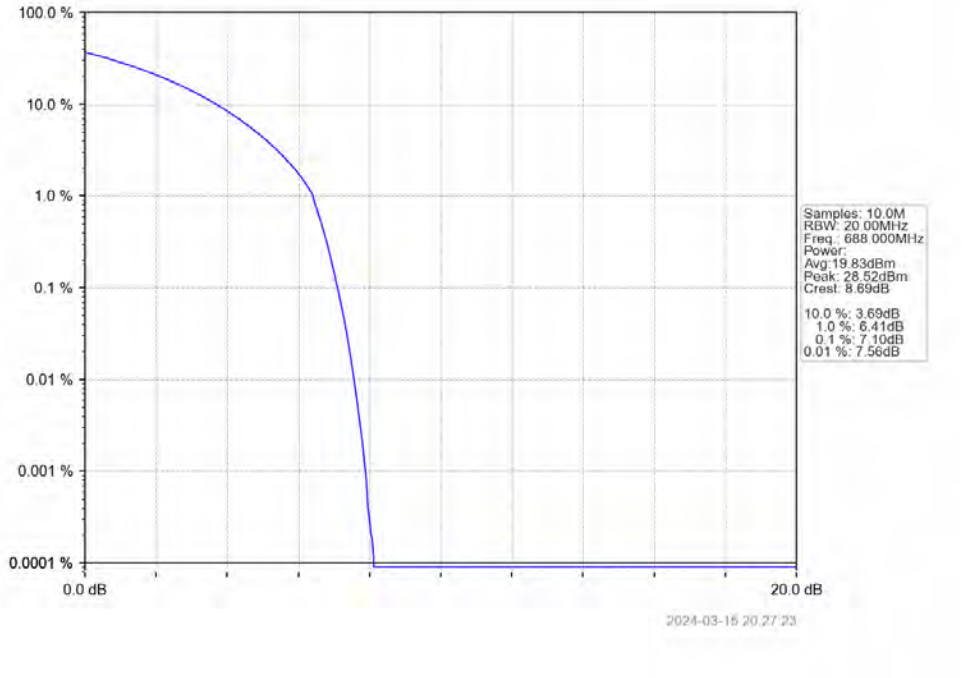
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_673MHz_Outer_Full



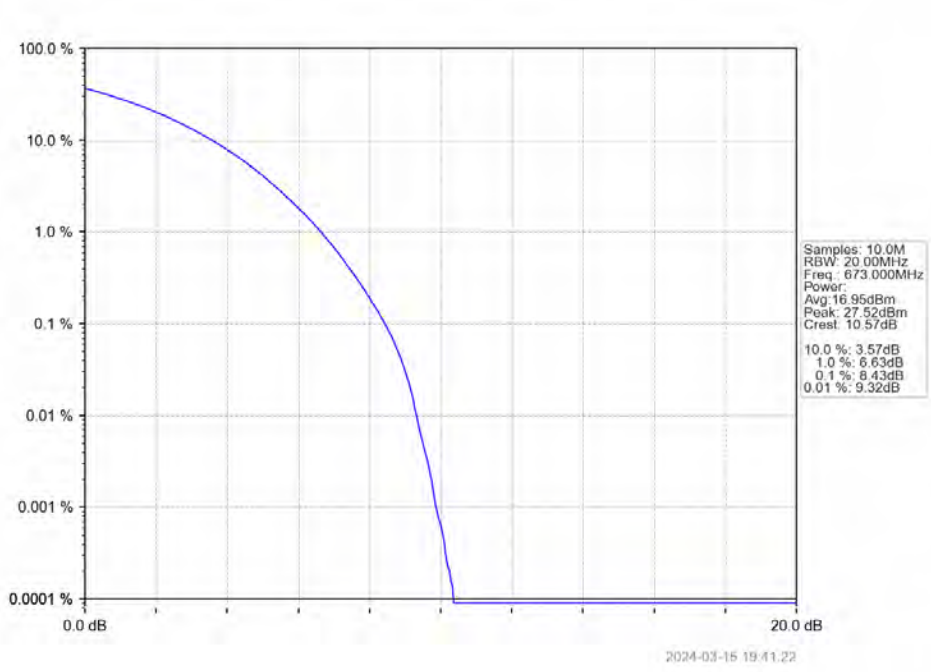
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_680.5MHz_Outer_Full



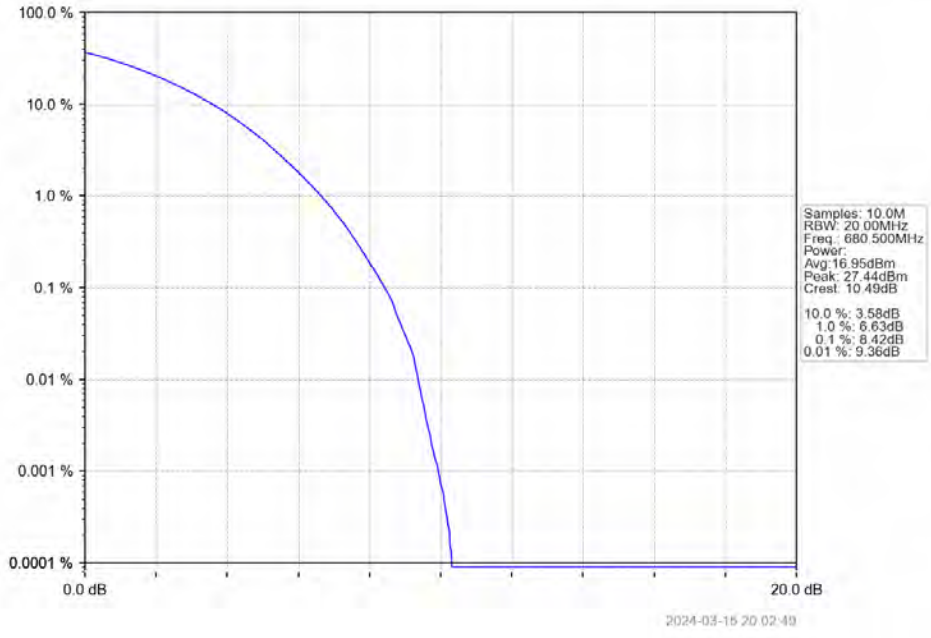
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_688MHz_Outer_Full



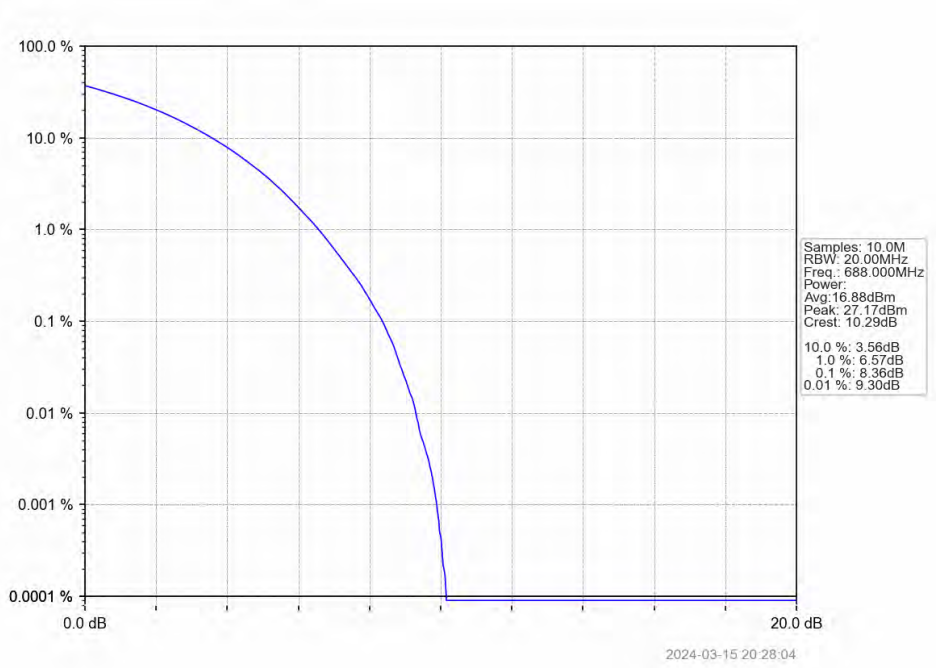
n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_673MHz_Outer_Full



n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_680.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_688MHz_Outer_Full



5. Spurious Emission

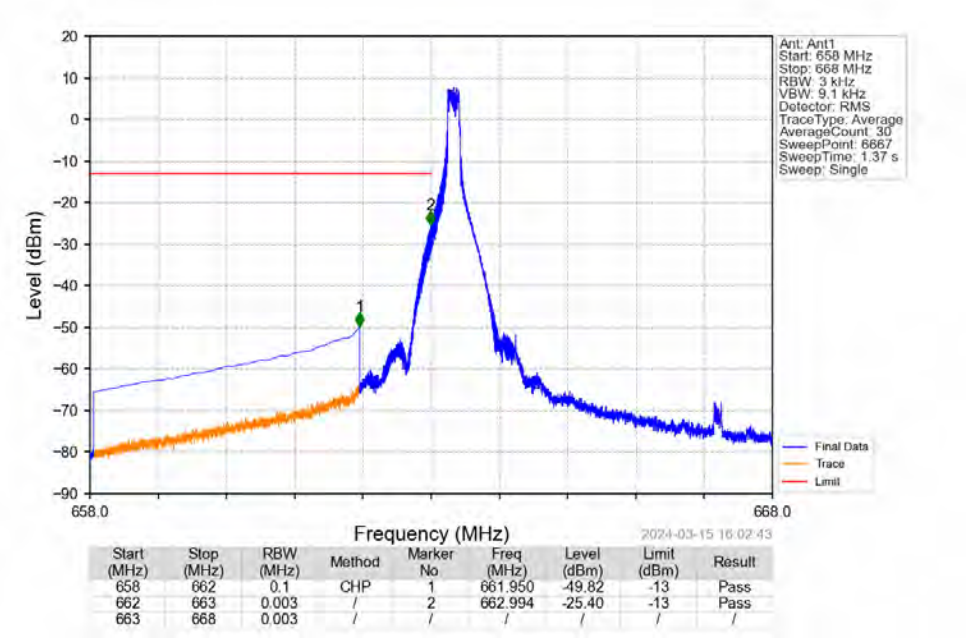
5.1 15k_SISO_5MHz_NTNV

5.1.1 Test Result

5G NR n71 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	665.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	680.5	Edge_1RB_Left	Refer To Test Graph				Pass
	695.5	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	665.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	680.5	Edge_1RB_Left	Refer To Test Graph				Pass
	695.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

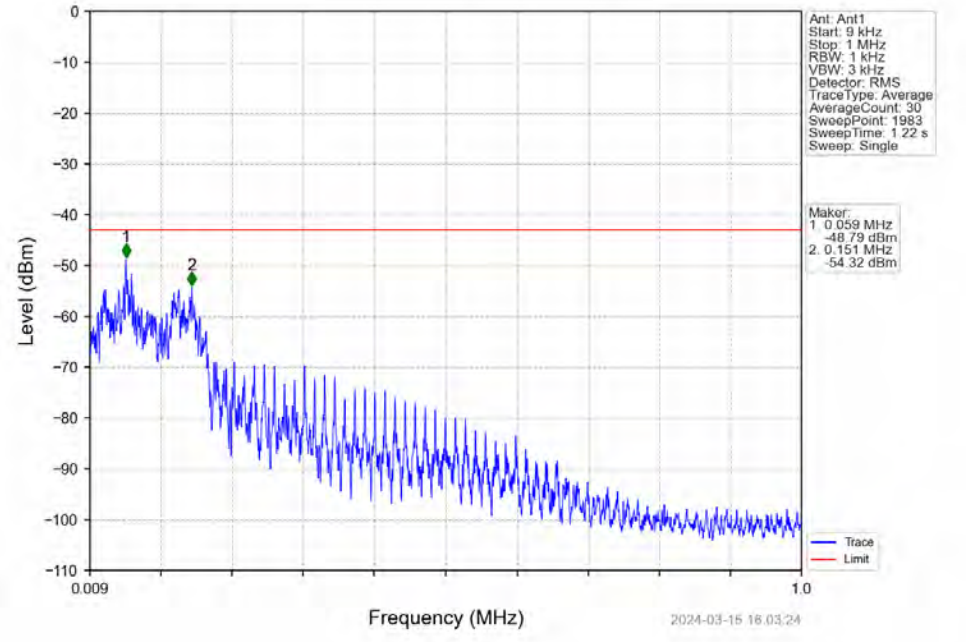
5.1.2 Test Graph

n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_665.5MHz_Edge_1RB_Left

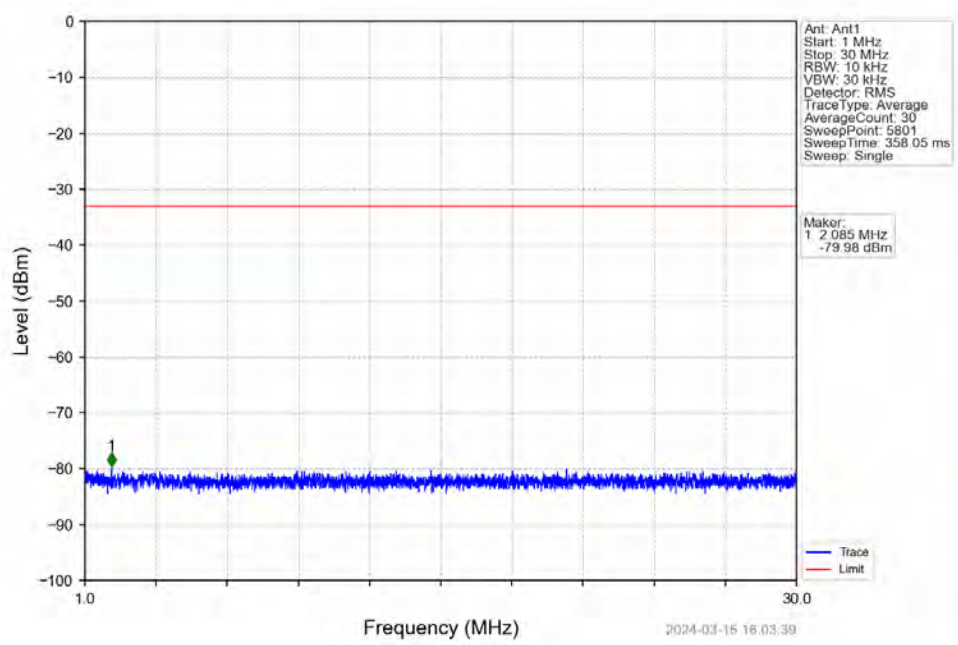


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.950	-49.82	-13	Pass
662	663	0.003	/	2	662.994	-25.40	-13	Pass
663	668	0.003	/	/	/	/	/	/

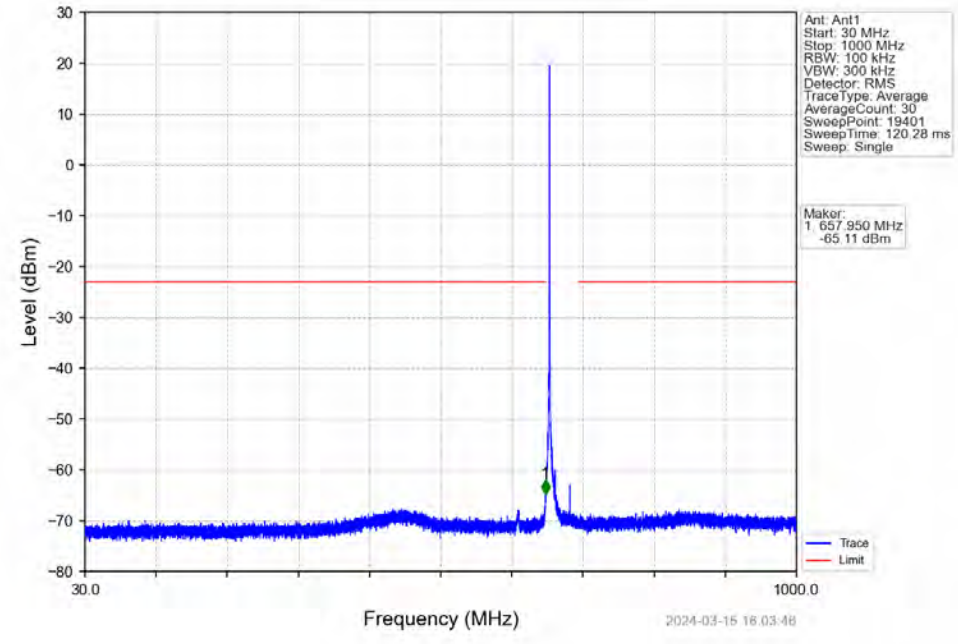
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_665.5MHz_Edge_1RB_Left



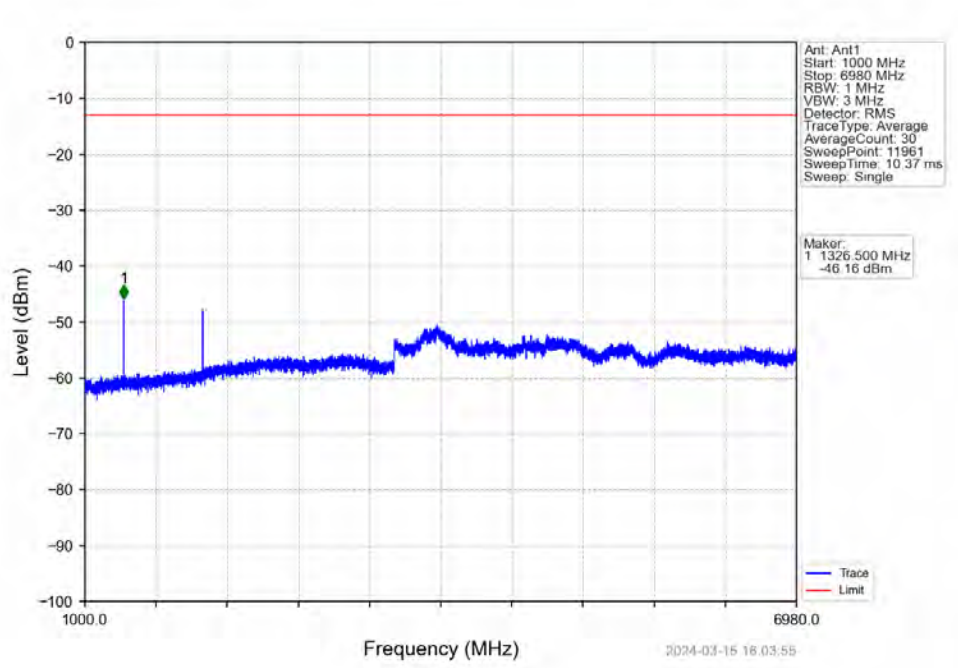
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_665.5MHz_Edge_1RB_Left



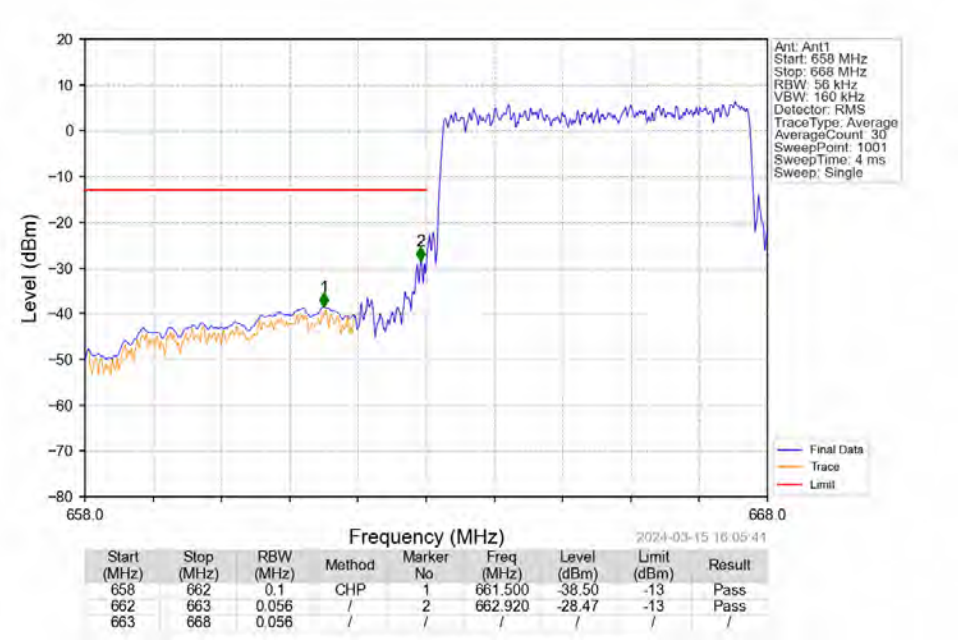
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_665.5MHz_Edge_1RB_Left



n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_665.5MHz_Edge_1RB_Left

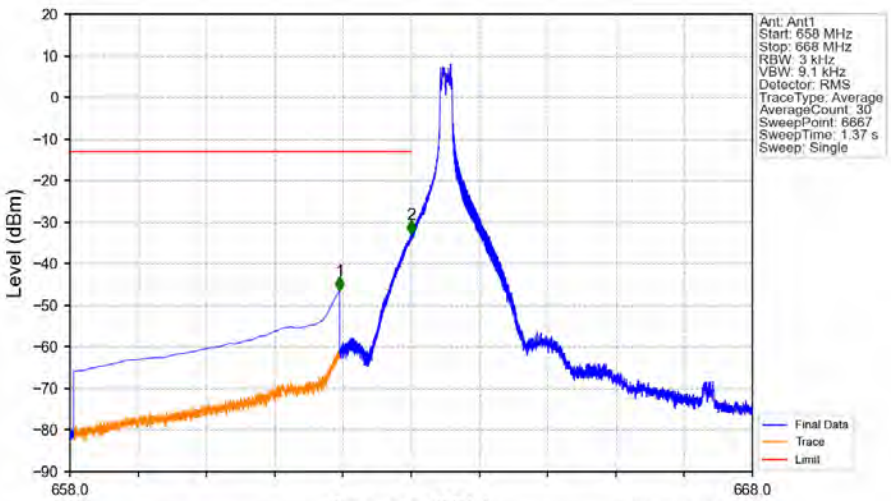


n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_665.5MHz_Outer_Full



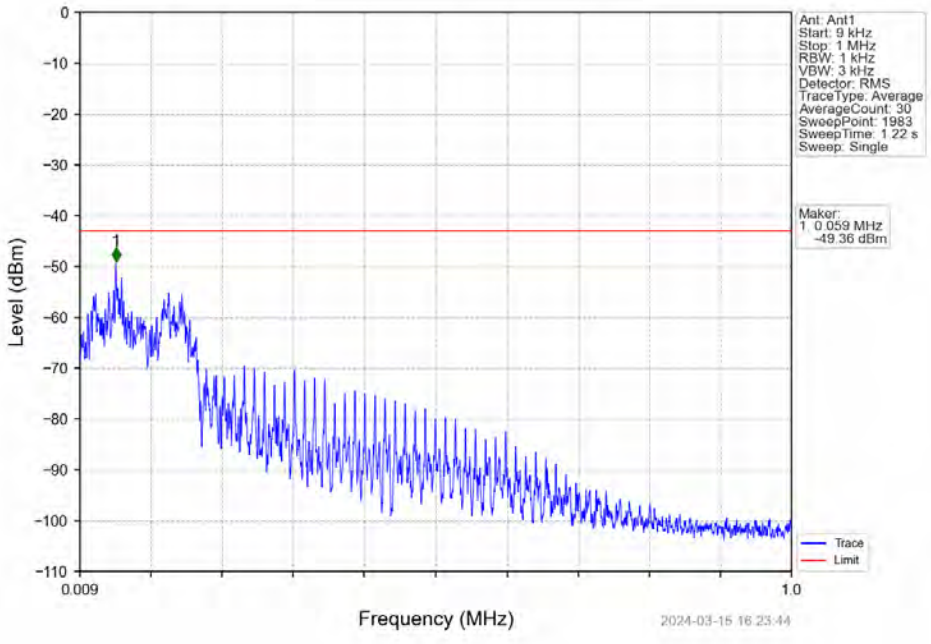
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.500	-38.50	-13	Pass
662	663	0.056	/	2	662.920	-28.47	-13	Pass
663	668	0.056	/	/	/	/	/	/

n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_665.5MHz_Inner_1RB_Left

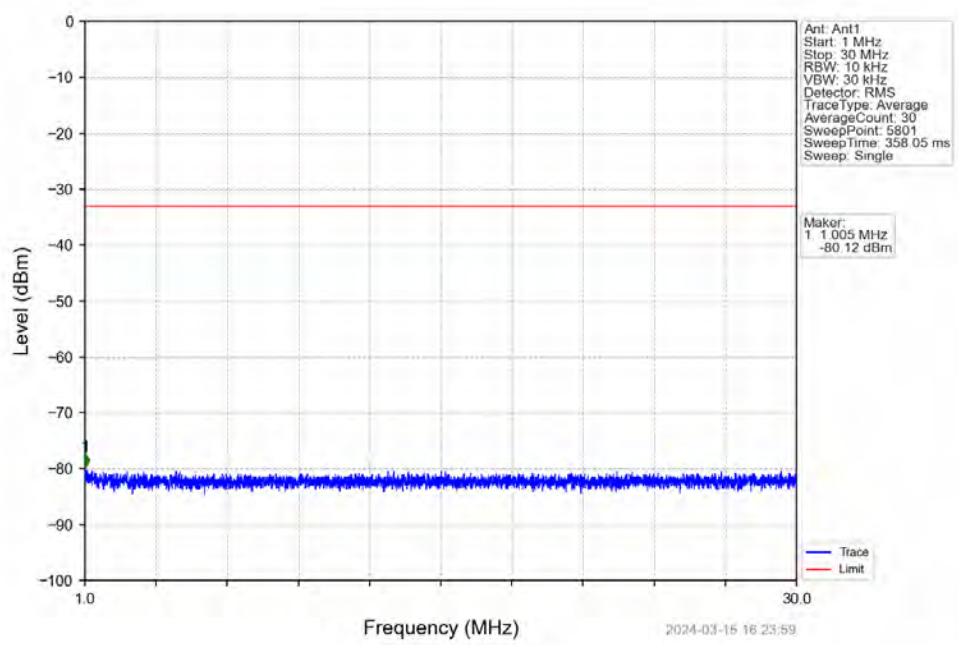


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.950	-46.52	-13	Pass
662	663	0.003	/	2	662.999	-33.03	-13	Pass
663	668	0.003	/	/	/	/	/	/

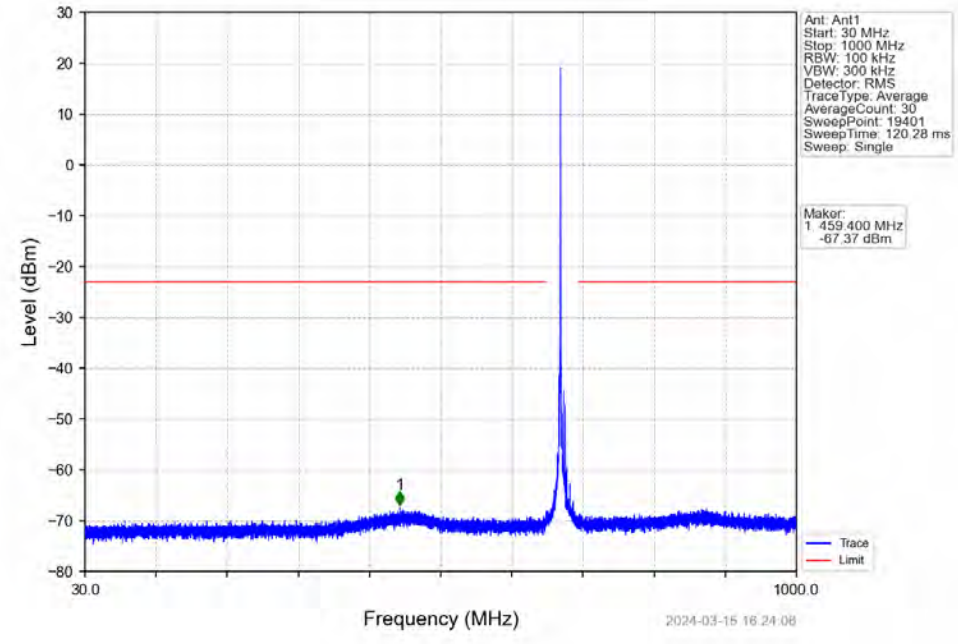
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Edge_1RB_Left



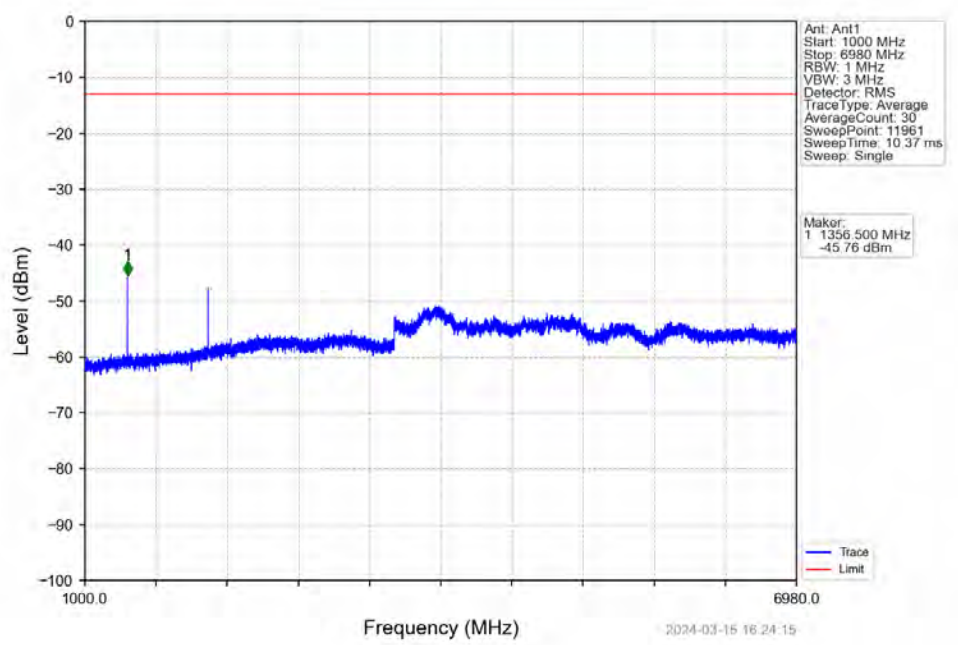
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Edge_1RB_Left



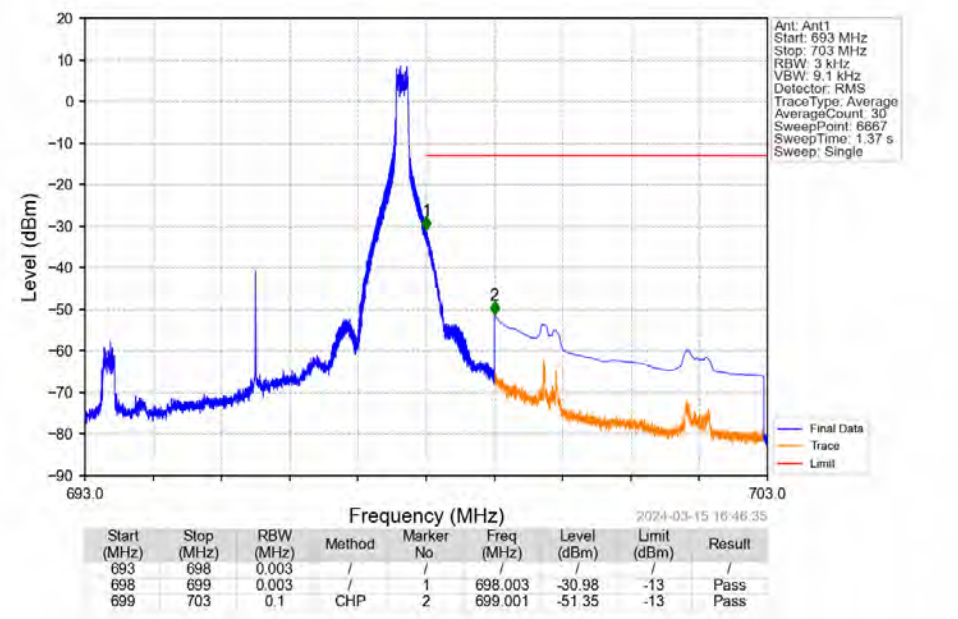
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Edge_1RB_Left



n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Edge_1RB_Left

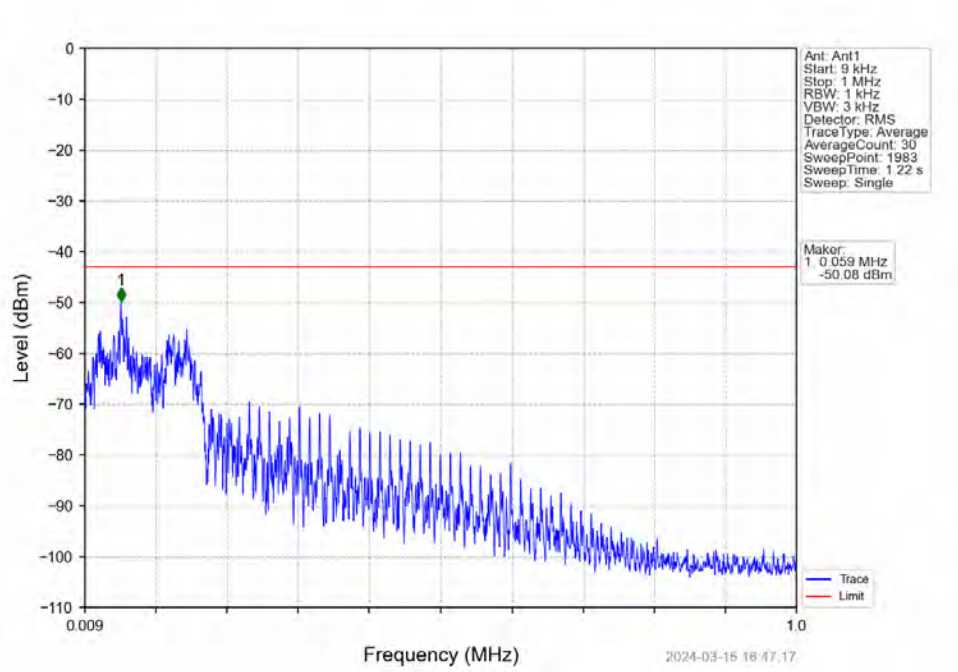


n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_695.5MHz_Edge_1RB_Right

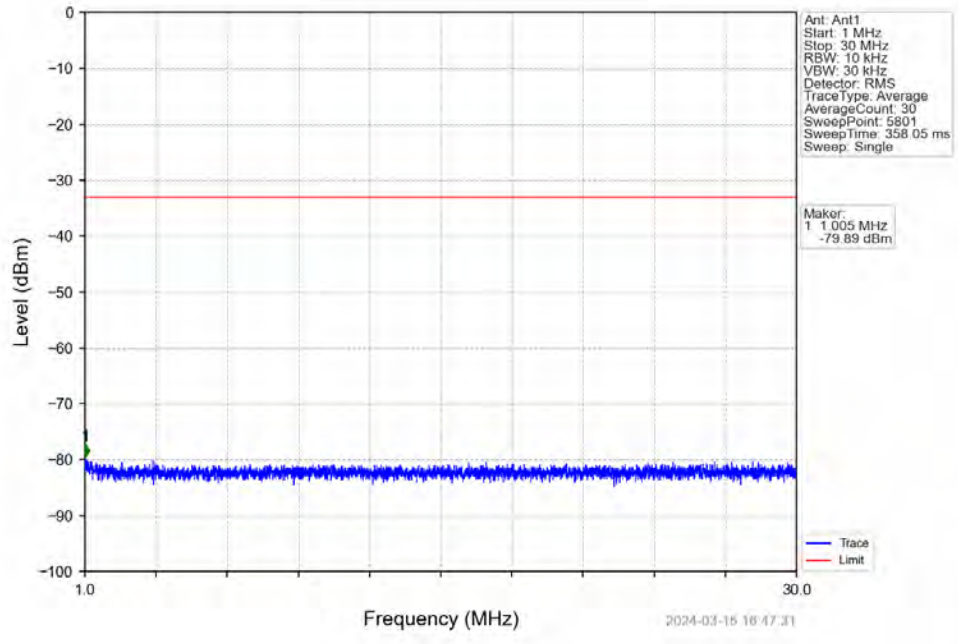


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.003	-30.98	-13	Pass
699	703	0.1	CHP	2	699.001	-51.35	-13	Pass

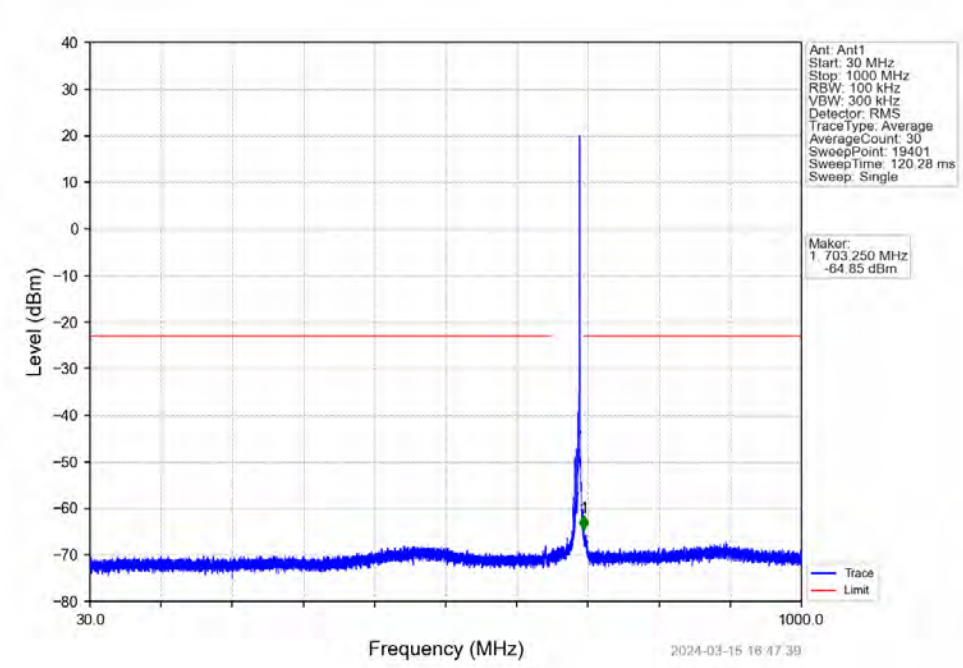
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_695.5MHz_Edge_1RB_Right



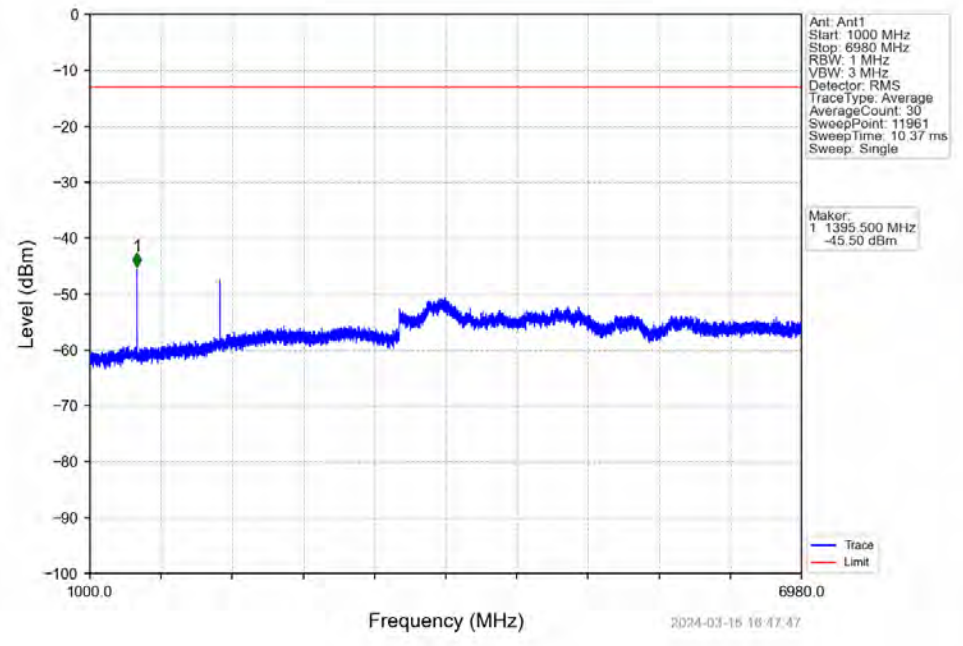
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_695.5MHz_Edge_1RB_Right



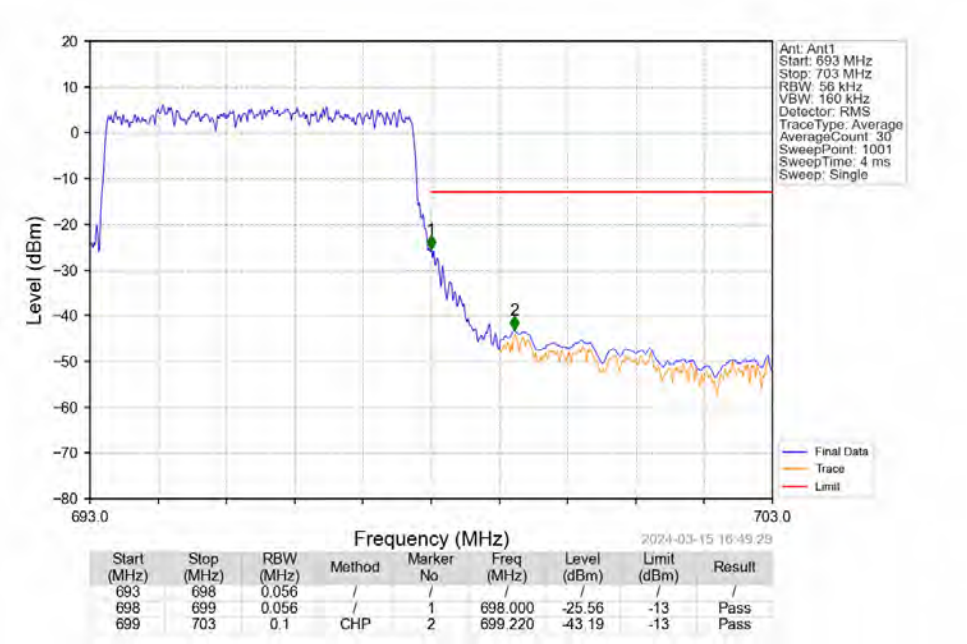
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_695.5MHz_Edge_1RB_Right



n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_695.5MHz_Edge_1RB_Right

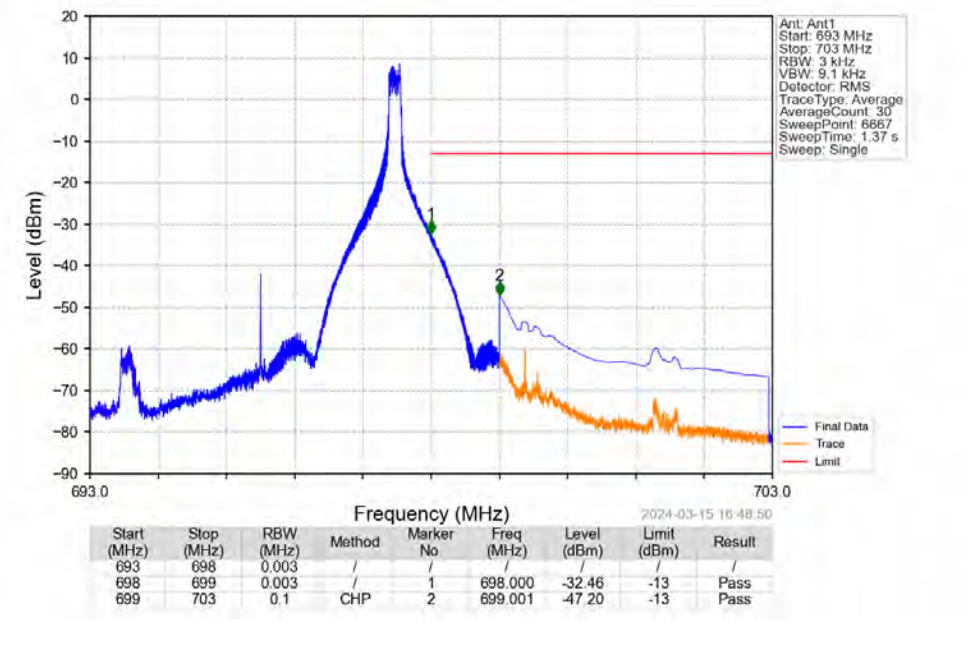


n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_695.5MHz_Outer_Full



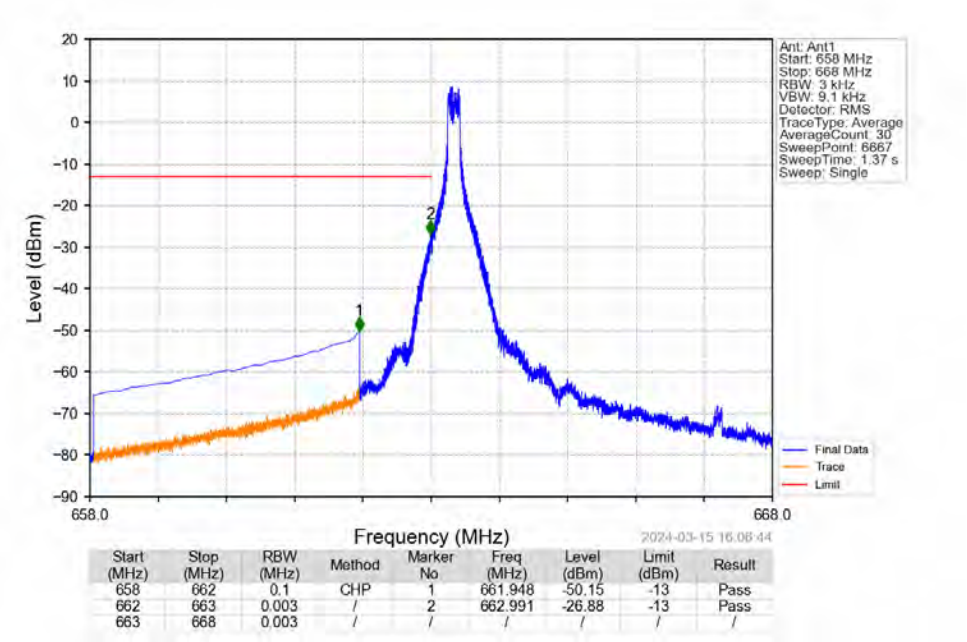
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	/	/	/	/	/	/
698	699	0.056	/	1	698.000	-25.56	-13	Pass
699	703	0.1	CHP	2	699.220	-43.19	-13	Pass

n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_695.5MHz_Inner_1RB_Right



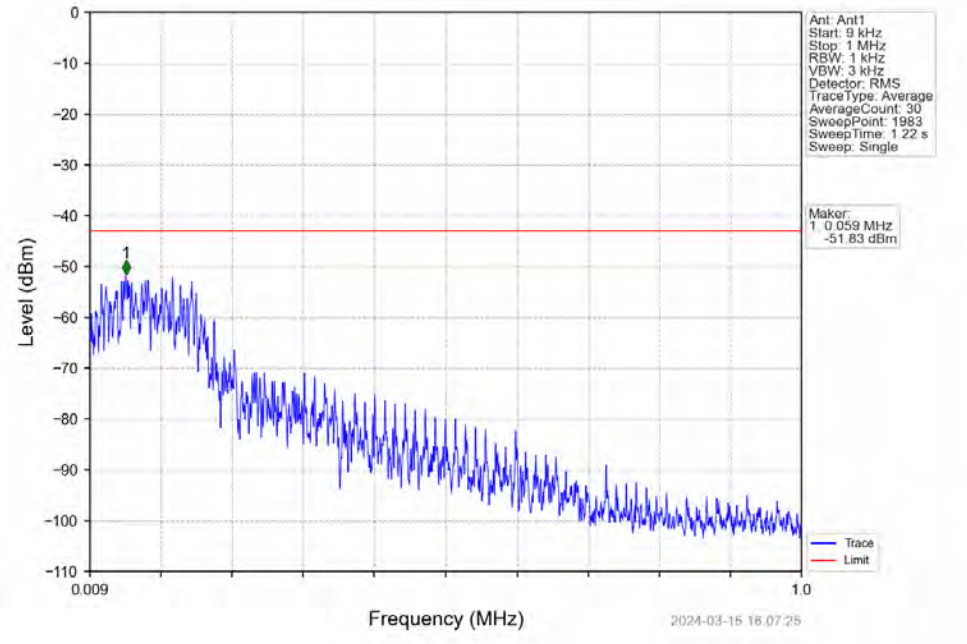
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.000	-32.46	-13	Pass
699	703	0.1	CHP	2	699.001	-47.20	-13	Pass

n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_665.5MHz_Edge_1RB_Left

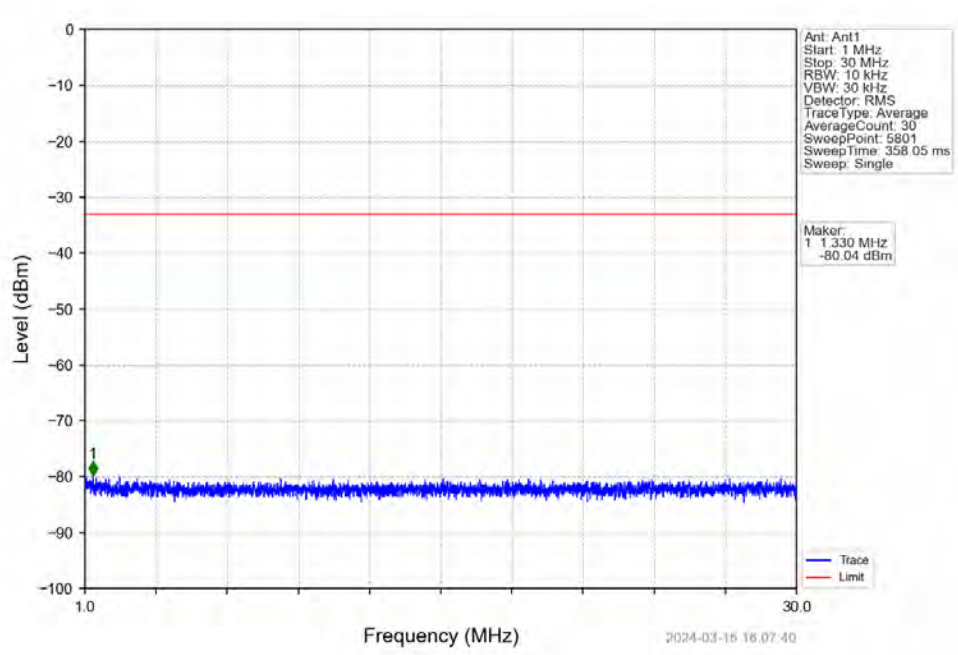


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.948	-50.15	-13	Pass
662	663	0.003	/	2	662.991	-26.88	-13	Pass
663	668	0.003	/	/	/	/	/	/

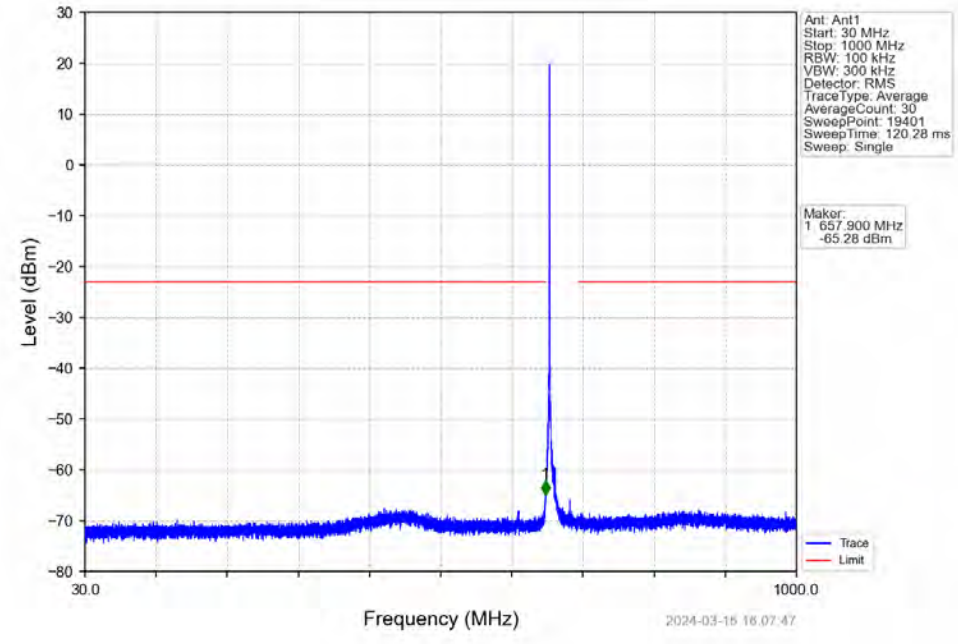
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_665.5MHz_Edge_1RB_Left



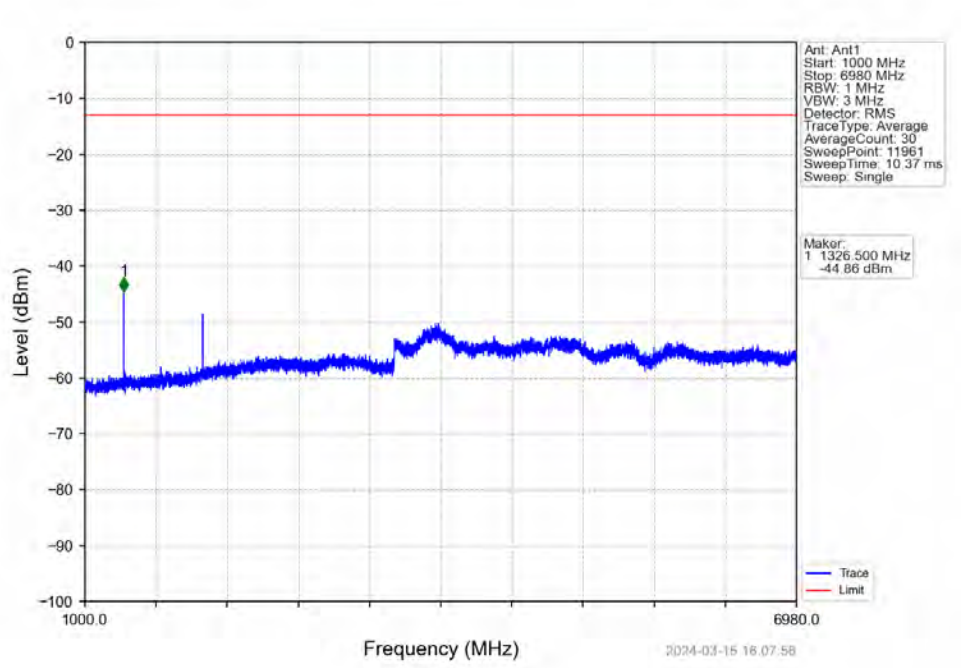
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_665.5MHz_Edge_1RB_Left



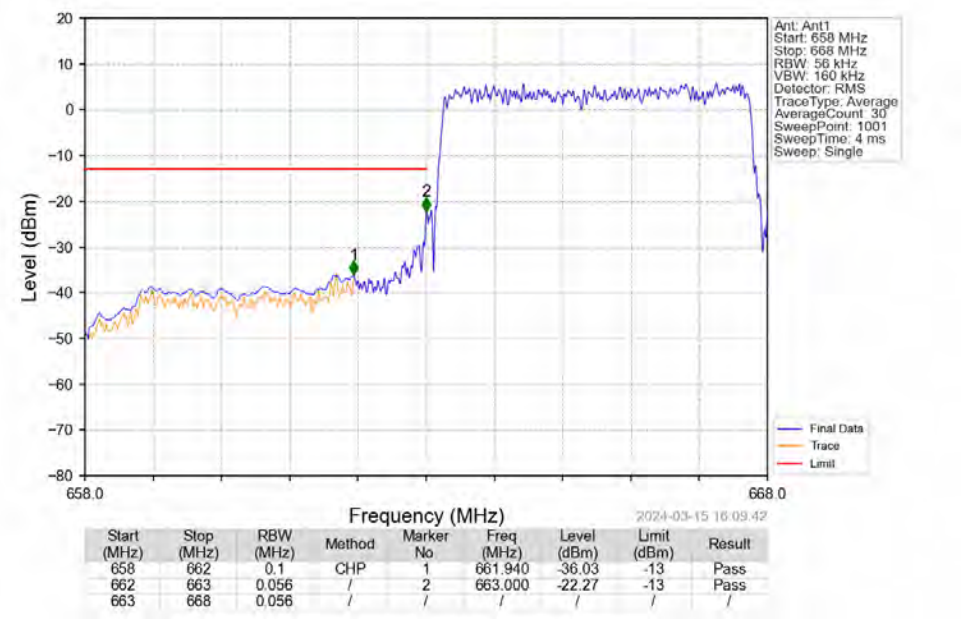
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_665.5MHz_Edge_1RB_Left



n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_665.5MHz_Edge_1RB_Left

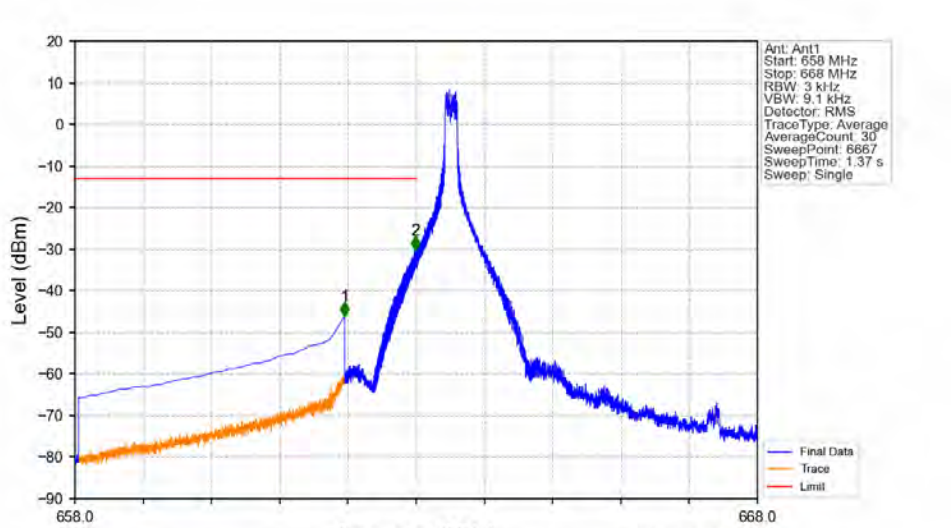


n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_665.5MHz_Outer_Full



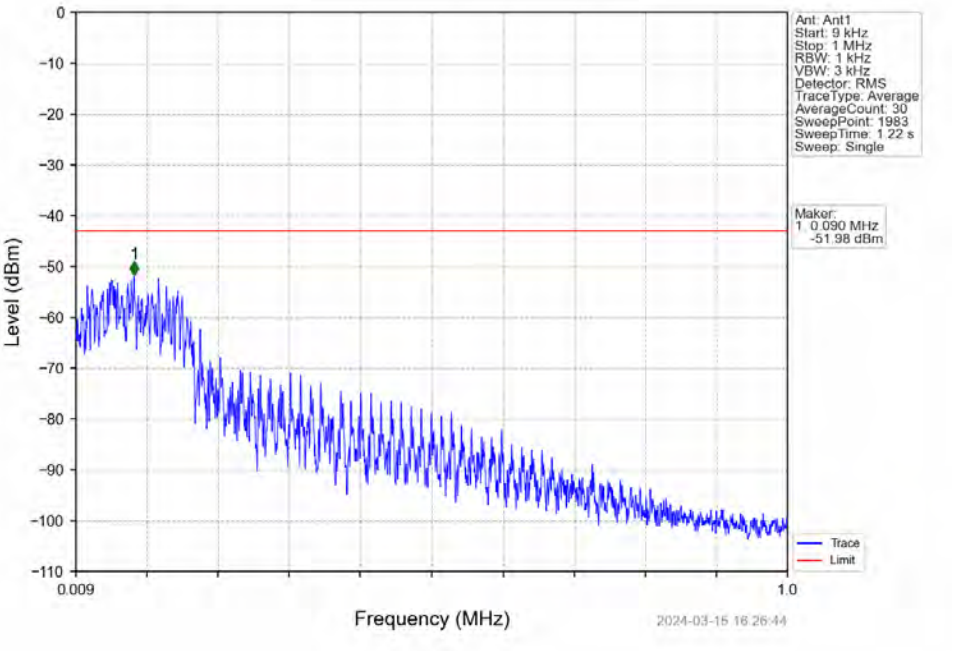
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.940	-36.03	-13	Pass
662	663	0.056	/	2	663.000	-22.27	-13	Pass
663	668	0.056	/	/	/	/	/	/

n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_665.5MHz_Inner_1RB_Left

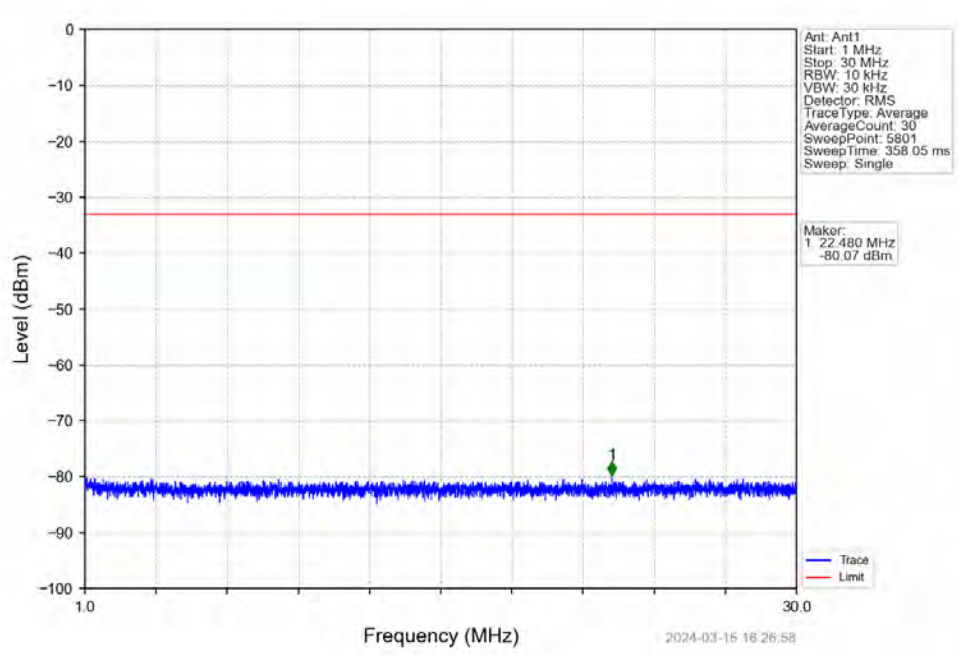


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.950	-46.20	-13	Pass
662	663	0.003	/	2	662.989	-30.31	-13	Pass
663	668	0.003	/	/	/	/	/	/

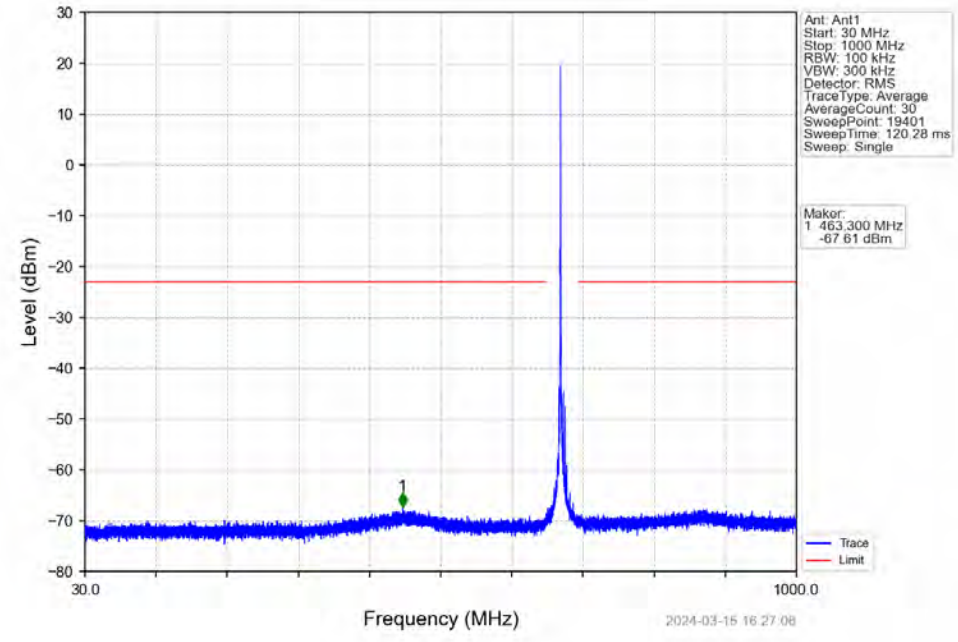
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_680.5MHz_Edge_1RB_Left



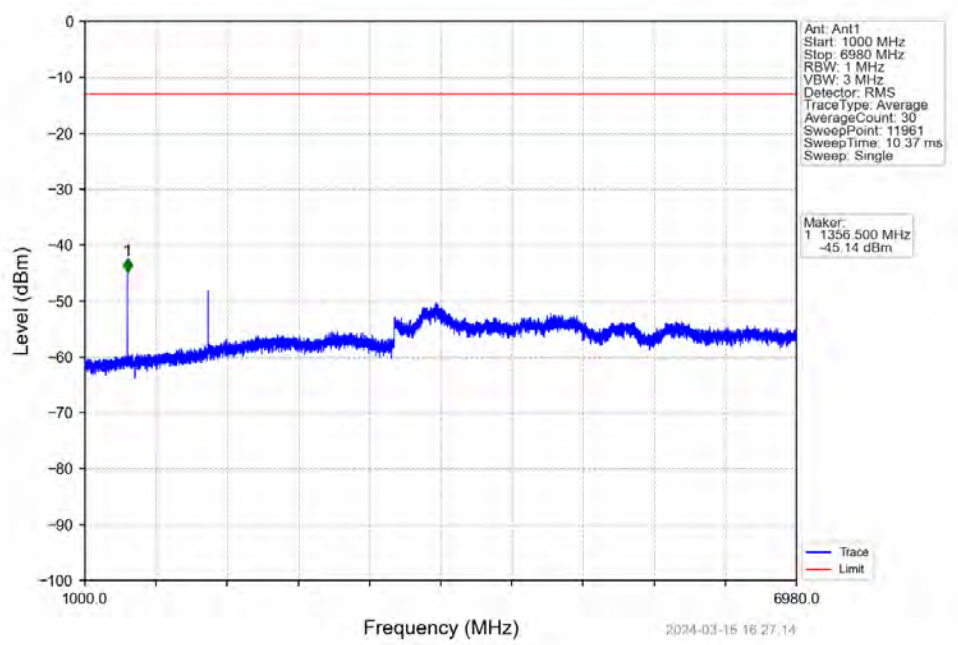
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_680.5MHz_Edge_1RB_Left



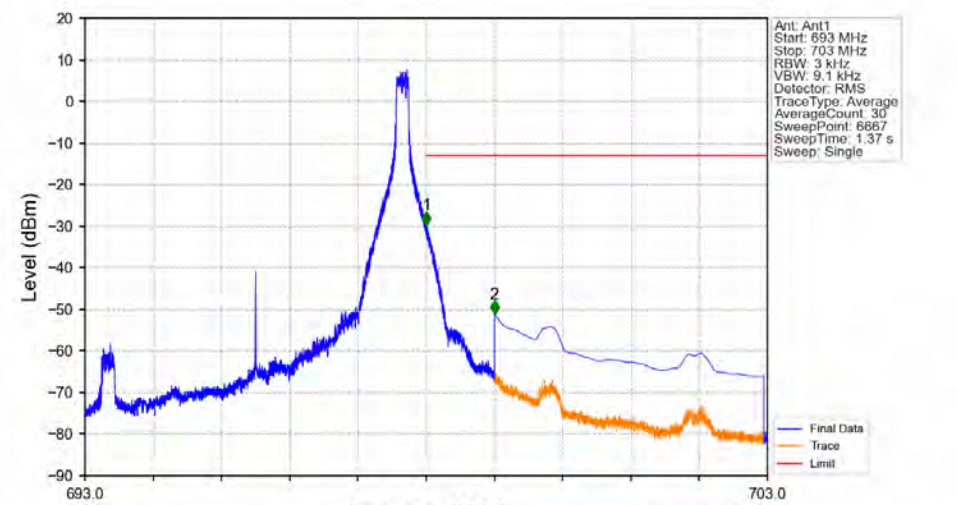
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_680.5MHz_Edge_1RB_Left



n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_680.5MHz_Edge_1RB_Left

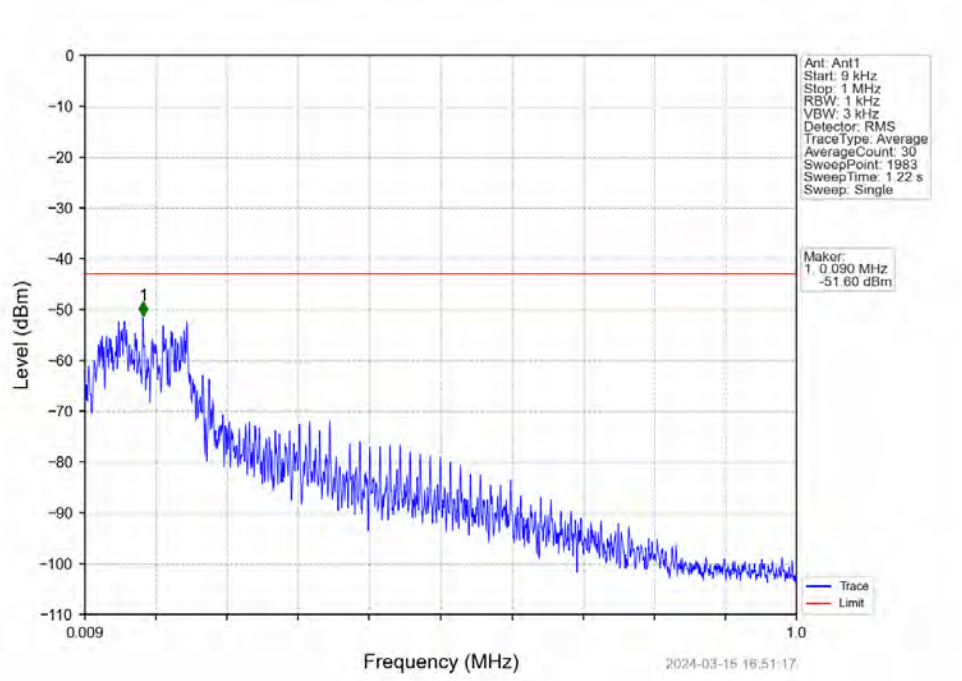


n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_695.5MHz_Edge_1RB_Right

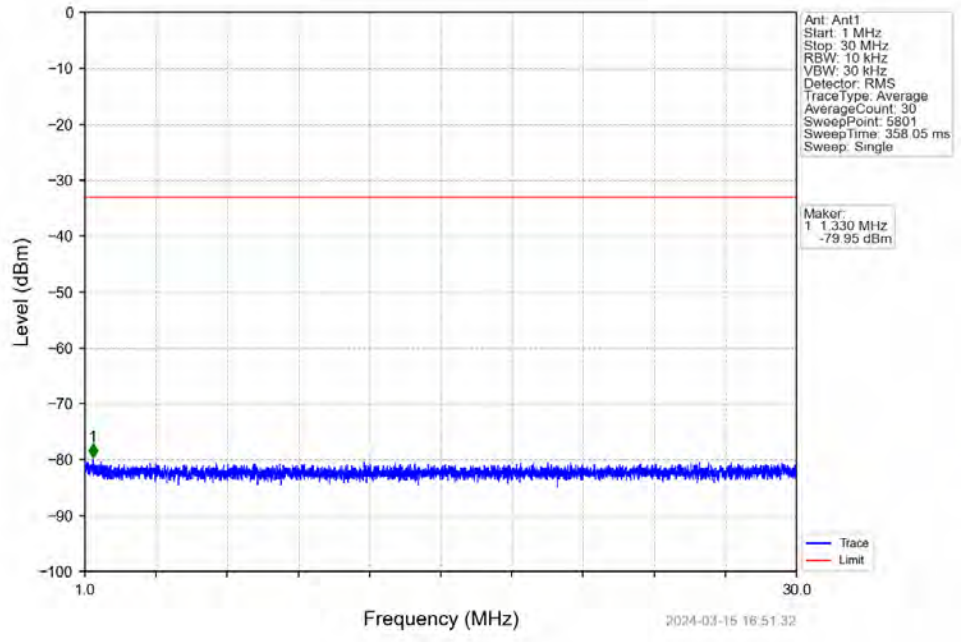


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.005	-29.76	-13	Pass
699	703	0.1	CHP	2	699.001	-51.21	-13	Pass

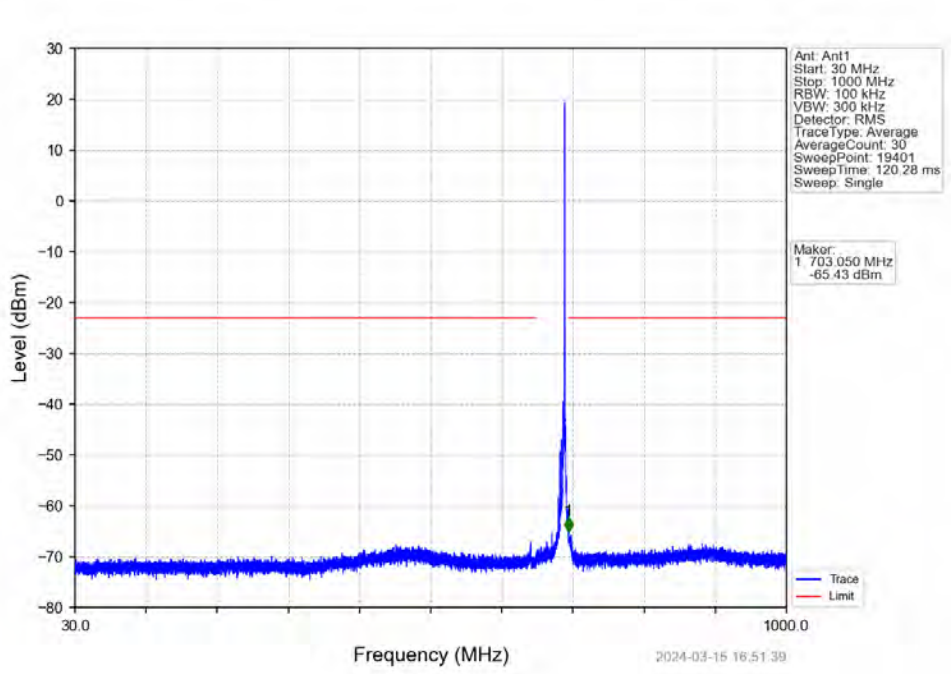
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_695.5MHz_Edge_1RB_Right



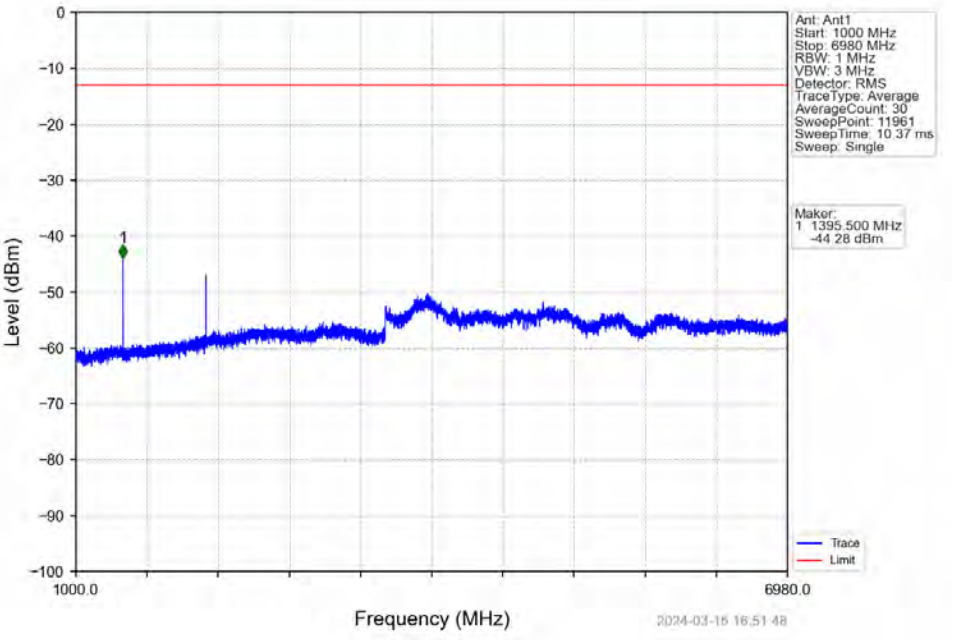
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_695.5MHz_Edge_1RB_Right



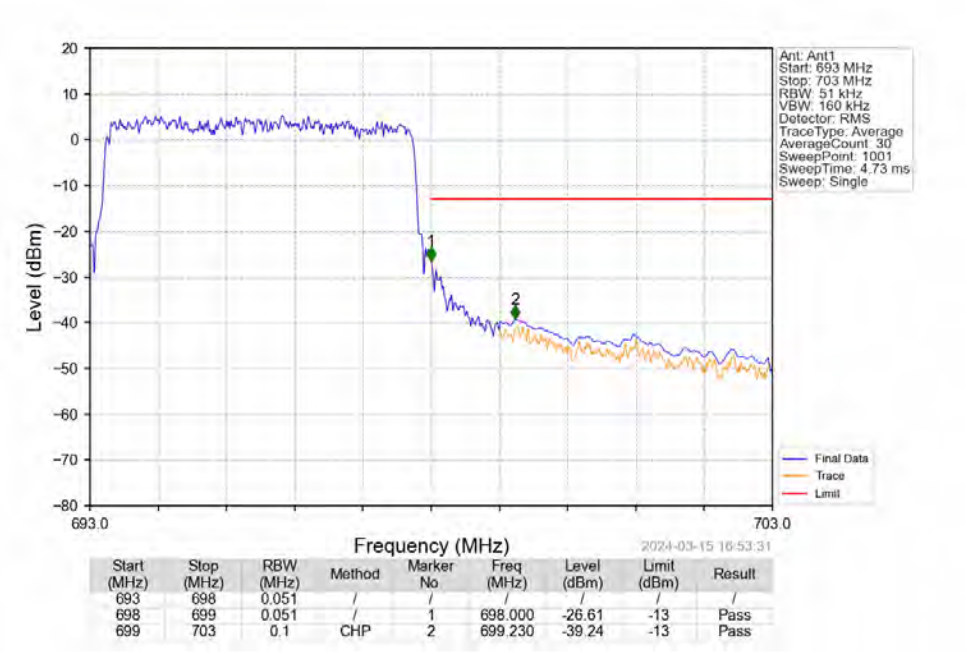
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_695.5MHz_Edge_1RB_Right



n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_695.5MHz_Edge_1RB_Right

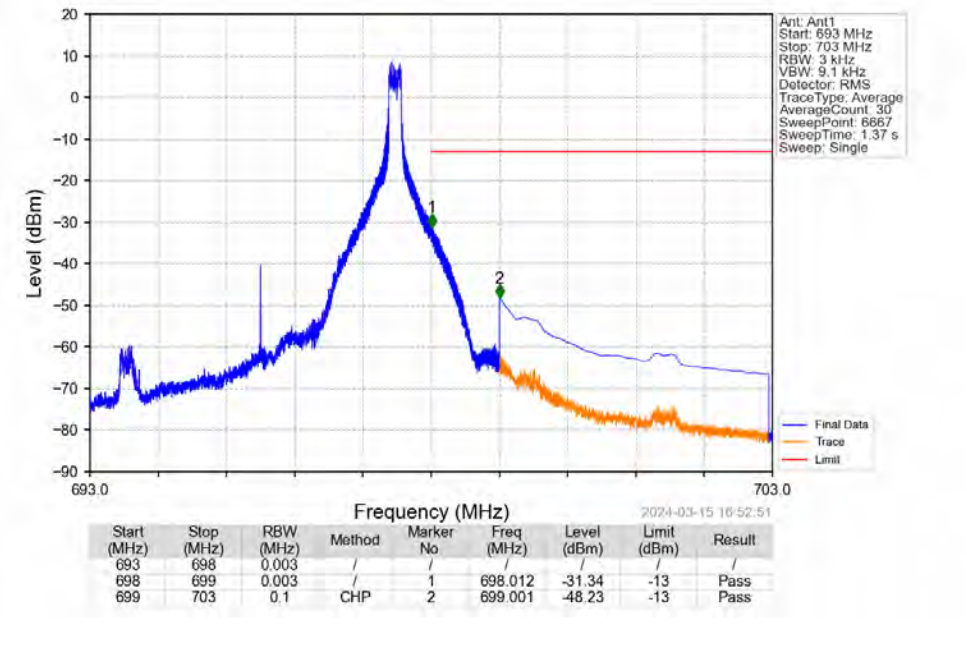


n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_695.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.000	-26.61	-13	Pass
699	703	0.1	CHP	2	699.230	-39.24	-13	Pass

n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_695.5MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.012	-31.34	-13	Pass
699	703	0.1	CHP	2	699.001	-48.23	-13	Pass

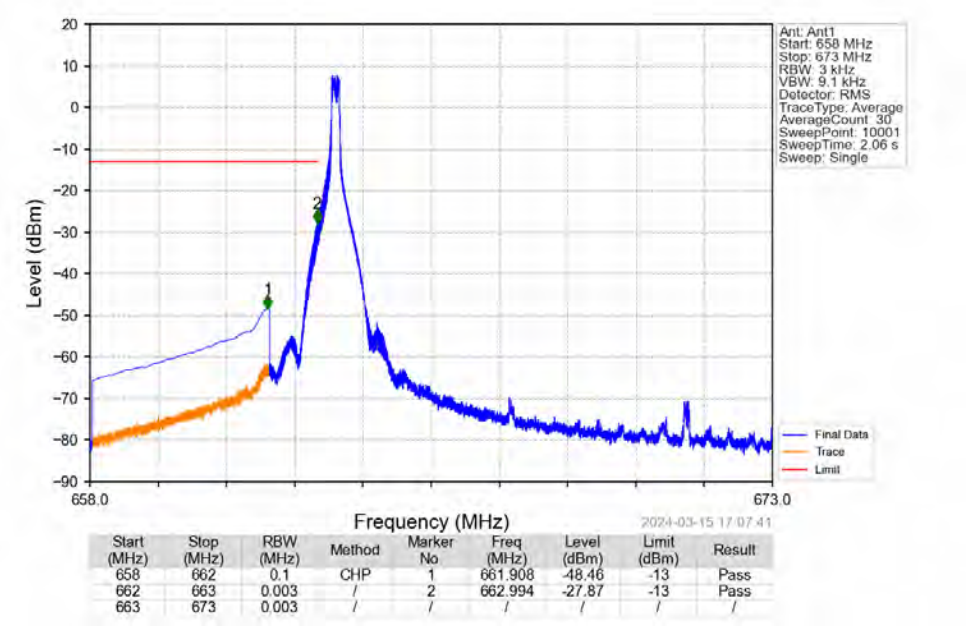
5.2 15k_SISO_10MHz_NTNV

5.2.1 Test Result

5G NR n71 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	668	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	680.5	Edge_1RB_Left	Refer To Test Graph				Pass
	693	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	668	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	680.5	Edge_1RB_Left	Refer To Test Graph				Pass
	693	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

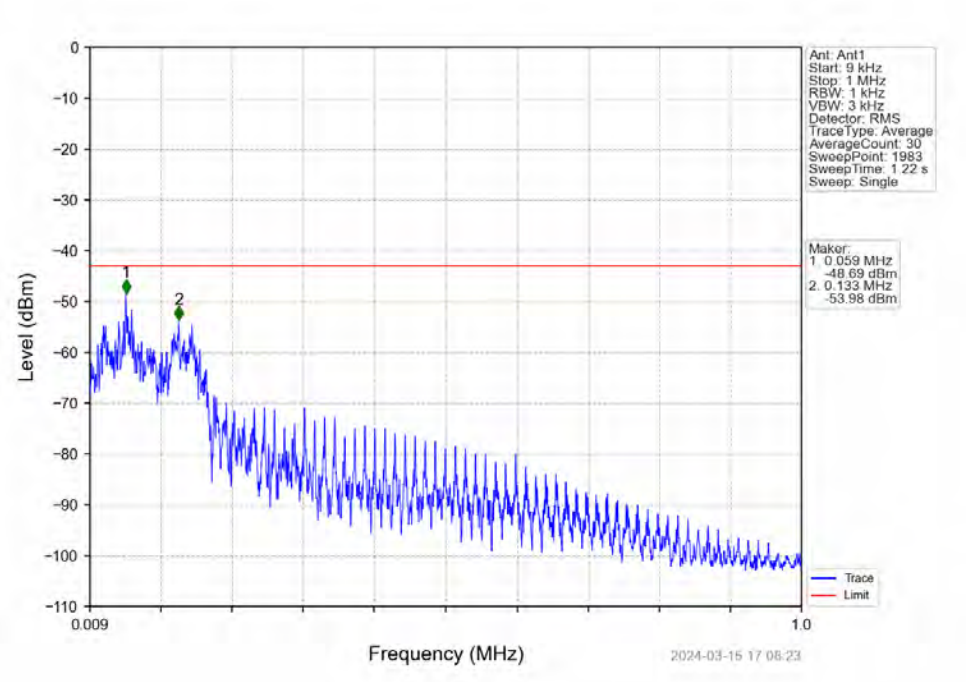
5.2.2 Test Graph

n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_668MHz_Edge_1RB_Left

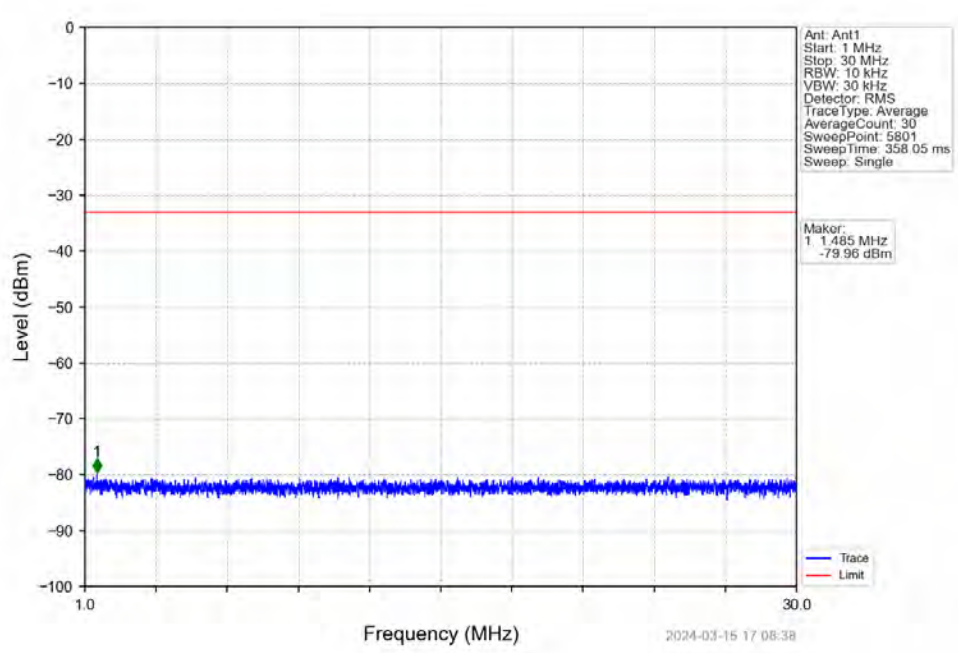


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.908	-48.46	-13	Pass
662	663	0.003	/	2	662.994	-27.87	-13	Pass
663	673	0.003	/	/	/	/	/	/

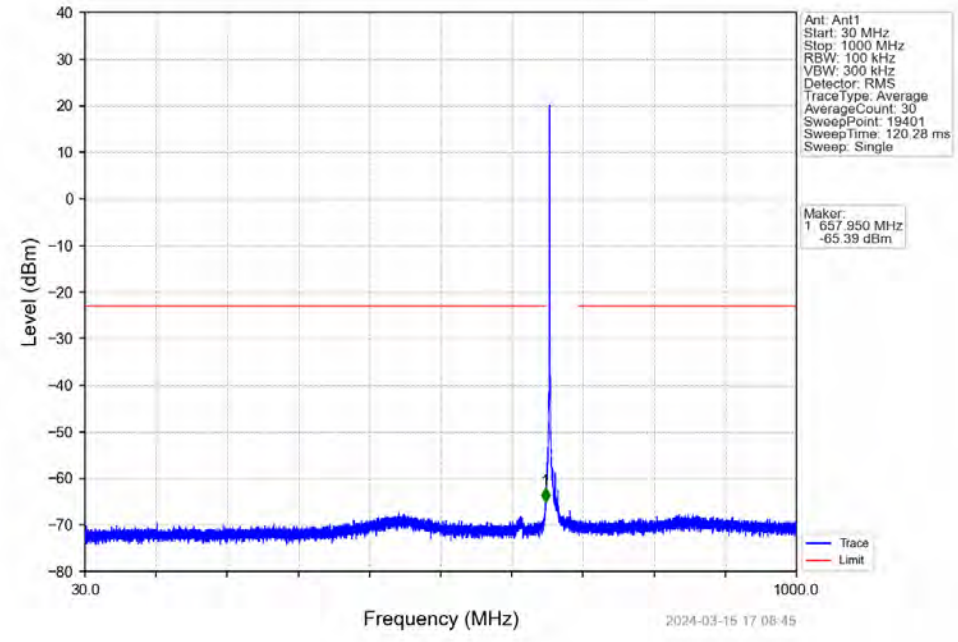
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_668MHz_Edge_1RB_Left



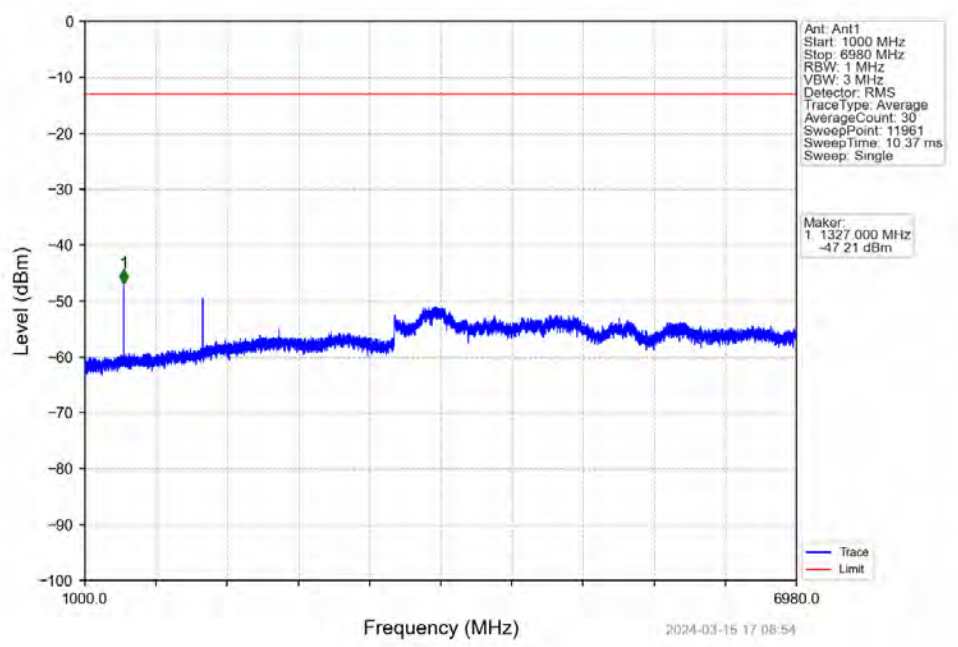
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_668MHz_Edge_1RB_Left



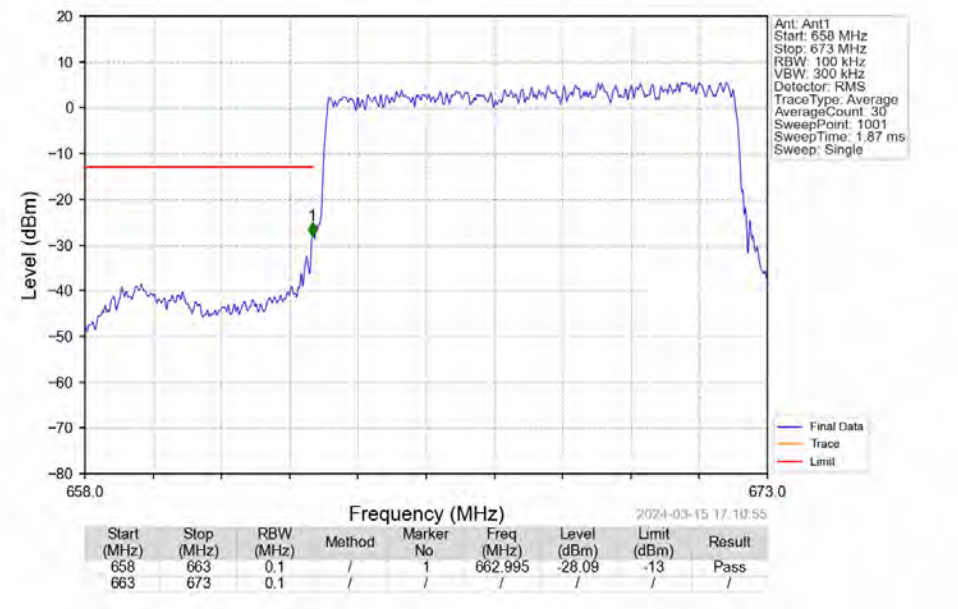
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_668MHz_Edge_1RB_Left



n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_668MHz_Edge_1RB_Left

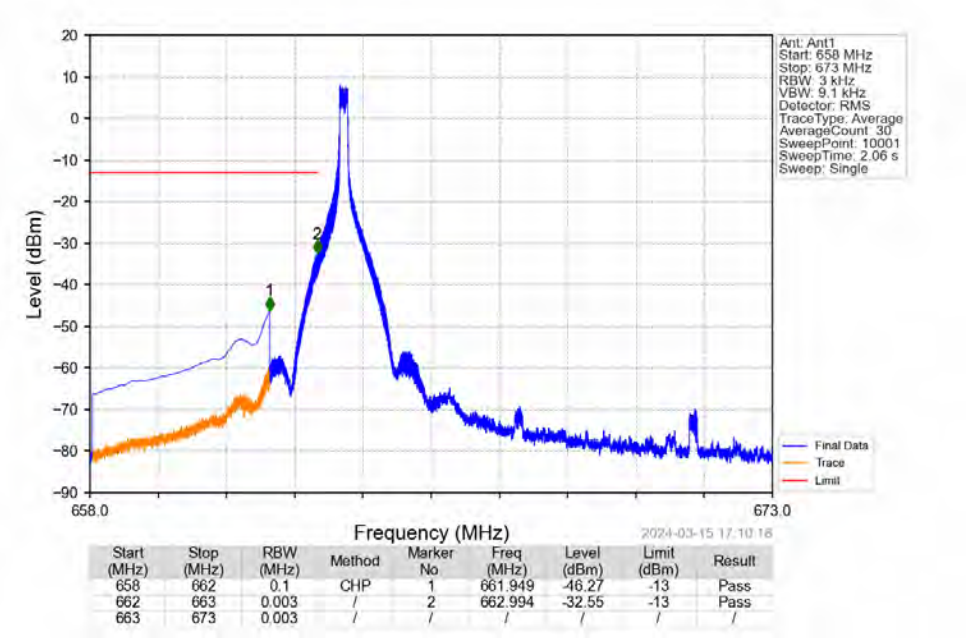


n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_668MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	663	0.1	/	1	662.995	-28.09	-13	Pass
663	673	0.1	/	/	/	/	/	/

n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_668MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.949	-46.27	-13	Pass
662	663	0.003	/	2	662.994	-32.55	-13	Pass
663	673	0.003	/	/	/	/	/	/

n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Edge_1RB_Left