

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n71 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	665.5	Edge_1RB_Left	23.21	/	/	16.86	/	/	<=34.77	Pass
		Edge_1RB_Right	23.02	/	/	16.67	/	/	<=34.77	Pass
		Outer_Full	23.05	/	/	16.70	/	/	<=34.77	Pass
		Inner_Full	23.23	/	/	16.88	/	/	<=34.77	Pass
		Inner_1RB_Left	23.32	/	/	16.97	/	/	<=34.77	Pass
		Inner_1RB_Right	23.05	/	/	16.70	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.09	/	/	16.74	/	/	<=34.77	Pass
		Edge_1RB_Right	23.08	/	/	16.73	/	/	<=34.77	Pass
		Outer_Full	23.10	/	/	16.75	/	/	<=34.77	Pass
		Inner_Full	23.17	/	/	16.82	/	/	<=34.77	Pass
		Inner_1RB_Left	23.13	/	/	16.78	/	/	<=34.77	Pass
		Inner_1RB_Right	23.08	/	/	16.73	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	23.24	/	/	16.89	/	/	<=34.77	Pass
		Edge_1RB_Right	23.20	/	/	16.85	/	/	<=34.77	Pass
		Outer_Full	23.32	/	/	16.97	/	/	<=34.77	Pass
		Inner_Full	23.48	/	/	17.13	/	/	<=34.77	Pass
		Inner_1RB_Left	23.26	/	/	16.91	/	/	<=34.77	Pass
		Inner_1RB_Right	23.18	/	/	16.83	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	665.5	Edge_1RB_Left	23.05	/	/	16.70	/	/	<=34.77	Pass
		Edge_1RB_Right	23.21	/	/	16.86	/	/	<=34.77	Pass
		Outer_Full	23.17	/	/	16.82	/	/	<=34.77	Pass
		Inner_Full	23.27	/	/	16.92	/	/	<=34.77	Pass
		Inner_1RB_Left	23.43	/	/	17.08	/	/	<=34.77	Pass
		Inner_1RB_Right	23.34	/	/	16.99	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.14	/	/	16.79	/	/	<=34.77	Pass
		Edge_1RB_Right	23.15	/	/	16.80	/	/	<=34.77	Pass
		Outer_Full	23.17	/	/	16.82	/	/	<=34.77	Pass
		Inner_Full	23.21	/	/	16.86	/	/	<=34.77	Pass
		Inner_1RB_Left	23.18	/	/	16.83	/	/	<=34.77	Pass
		Inner_1RB_Right	23.33	/	/	16.98	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	23.36	/	/	17.01	/	/	<=34.77	Pass
		Edge_1RB_Right	23.32	/	/	16.97	/	/	<=34.77	Pass
		Outer_Full	23.33	/	/	16.98	/	/	<=34.77	Pass
		Inner_Full	23.43	/	/	17.08	/	/	<=34.77	Pass
		Inner_1RB_Left	23.47	/	/	17.12	/	/	<=34.77	Pass
		Inner_1RB_Right	23.38	/	/	17.03	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	665.5	Edge_1RB_Left	22.39	/	/	16.04	/	/	<=34.77	Pass
		Edge_1RB_Right	22.14	/	/	15.79	/	/	<=34.77	Pass
		Outer_Full	22.13	/	/	15.78	/	/	<=34.77	Pass
		Inner_Full	23.07	/	/	16.72	/	/	<=34.77	Pass
		Inner_1RB_Left	23.31	/	/	16.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.25	/	/	16.90	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.25	/	/	15.90	/	/	<=34.77	Pass
		Edge_1RB_Right	22.22	/	/	15.87	/	/	<=34.77	Pass
		Outer_Full	22.16	/	/	15.81	/	/	<=34.77	Pass
		Inner_Full	23.02	/	/	16.67	/	/	<=34.77	Pass
		Inner_1RB_Left	23.19	/	/	16.84	/	/	<=34.77	Pass
		Inner_1RB_Right	23.27	/	/	16.92	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	22.50	/	/	16.15	/	/	<=34.77	Pass

		Edge_1RB_Right	22.45	/	/	16.10	/	/	<=34.77	Pass
		Outer_Full	22.36	/	/	16.01	/	/	<=34.77	Pass
		Inner_Full	23.25	/	/	16.90	/	/	<=34.77	Pass
		Inner_1RB_Left	23.39	/	/	17.04	/	/	<=34.77	Pass
		Inner_1RB_Right	23.39	/	/	17.04	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	665.5	Edge_1RB_Left	22.00	/	/	15.65	/	/	<=34.77	Pass
		Edge_1RB_Right	21.75	/	/	15.40	/	/	<=34.77	Pass
		Outer_Full	21.75	/	/	15.40	/	/	<=34.77	Pass
		Inner_Full	21.71	/	/	15.36	/	/	<=34.77	Pass
		Inner_1RB_Left	21.88	/	/	15.53	/	/	<=34.77	Pass
	680.5	Inner_1RB_Right	21.77	/	/	15.42	/	/	<=34.77	Pass
		Edge_1RB_Left	21.81	/	/	15.46	/	/	<=34.77	Pass
		Edge_1RB_Right	21.80	/	/	15.45	/	/	<=34.77	Pass
		Outer_Full	21.70	/	/	15.35	/	/	<=34.77	Pass
		Inner_Full	21.63	/	/	15.28	/	/	<=34.77	Pass
	695.5	Inner_1RB_Left	21.88	/	/	15.53	/	/	<=34.77	Pass
		Inner_1RB_Right	21.73	/	/	15.38	/	/	<=34.77	Pass
		Edge_1RB_Left	21.96	/	/	15.61	/	/	<=34.77	Pass
		Edge_1RB_Right	21.85	/	/	15.50	/	/	<=34.77	Pass
		Outer_Full	21.88	/	/	15.53	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	665.5	Inner_Full	21.88	/	/	15.53	/	/	<=34.77	Pass
		Inner_1RB_Left	21.92	/	/	15.57	/	/	<=34.77	Pass
		Inner_1RB_Right	21.93	/	/	15.58	/	/	<=34.77	Pass
		Edge_1RB_Left	19.49	/	/	13.14	/	/	<=34.77	Pass
		Edge_1RB_Right	19.22	/	/	12.87	/	/	<=34.77	Pass
	680.5	Outer_Full	19.57	/	/	13.22	/	/	<=34.77	Pass
		Inner_Full	19.71	/	/	13.36	/	/	<=34.77	Pass
		Inner_1RB_Left	19.46	/	/	13.11	/	/	<=34.77	Pass
		Inner_1RB_Right	19.30	/	/	12.95	/	/	<=34.77	Pass
		Edge_1RB_Left	19.40	/	/	13.05	/	/	<=34.77	Pass
	695.5	Edge_1RB_Right	19.40	/	/	13.05	/	/	<=34.77	Pass
		Outer_Full	19.57	/	/	13.22	/	/	<=34.77	Pass
		Inner_Full	19.57	/	/	13.22	/	/	<=34.77	Pass
		Inner_1RB_Left	19.44	/	/	13.09	/	/	<=34.77	Pass
		Inner_1RB_Right	19.45	/	/	13.10	/	/	<=34.77	Pass
CP-OFDM QPSK	665.5	Edge_1RB_Left	19.53	/	/	13.18	/	/	<=34.77	Pass
		Edge_1RB_Right	19.50	/	/	13.15	/	/	<=34.77	Pass
		Outer_Full	19.83	/	/	13.48	/	/	<=34.77	Pass
		Inner_Full	19.83	/	/	13.48	/	/	<=34.77	Pass
		Inner_1RB_Left	19.52	/	/	13.17	/	/	<=34.77	Pass
	680.5	Inner_1RB_Right	19.44	/	/	13.09	/	/	<=34.77	Pass
		Edge_1RB_Left	21.37	/	/	15.02	/	/	<=34.77	Pass
		Edge_1RB_Right	21.14	/	/	14.79	/	/	<=34.77	Pass
		Outer_Full	21.10	/	/	14.75	/	/	<=34.77	Pass
		Inner_Full	22.83	/	/	16.48	/	/	<=34.77	Pass
	695.5	Inner_1RB_Left	22.74	/	/	16.39	/	/	<=34.77	Pass
		Inner_1RB_Right	22.83	/	/	16.48	/	/	<=34.77	Pass
		Edge_1RB_Left	21.24	/	/	14.89	/	/	<=34.77	Pass
		Edge_1RB_Right	21.21	/	/	14.86	/	/	<=34.77	Pass
		Outer_Full	21.17	/	/	14.82	/	/	<=34.77	Pass
	665.5	Inner_Full	22.72	/	/	16.37	/	/	<=34.77	Pass
		Inner_1RB_Left	22.75	/	/	16.40	/	/	<=34.77	Pass
		Inner_1RB_Right	22.74	/	/	16.39	/	/	<=34.77	Pass
		Edge_1RB_Left	21.34	/	/	14.99	/	/	<=34.77	Pass
		Edge_1RB_Right	21.36	/	/	15.01	/	/	<=34.77	Pass
	680.5	Outer_Full	21.31	/	/	14.96	/	/	<=34.77	Pass
		Inner_Full	22.90	/	/	16.55	/	/	<=34.77	Pass
		Inner_1RB_Left	22.77	/	/	16.42	/	/	<=34.77	Pass
		Inner_1RB_Right	22.80	/	/	16.45	/	/	<=34.77	Pass
		Edge_1RB_Left	21.37	/	/	15.02	/	/	<=34.77	Pass
	695.5	Edge_1RB_Right	21.14	/	/	14.79	/	/	<=34.77	Pass
		Outer_Full	21.10	/	/	14.75	/	/	<=34.77	Pass
		Inner_Full	22.83	/	/	16.48	/	/	<=34.77	Pass
		Inner_1RB_Left	22.74	/	/	16.39	/	/	<=34.77	Pass
		Inner_1RB_Right	22.83	/	/	16.48	/	/	<=34.77	Pass

CP-OFDM 16 QAM	665.5	Edge_1RB_Left	21.38	/	/	15.03	/	/	<=34.77	Pass
		Edge_1RB_Right	21.09	/	/	14.74	/	/	<=34.77	Pass
		Outer_Full	21.16	/	/	14.81	/	/	<=34.77	Pass
		Inner_Full	22.16	/	/	15.81	/	/	<=34.77	Pass
		Inner_1RB_Left	22.46	/	/	16.11	/	/	<=34.77	Pass
		Inner_1RB_Right	22.22	/	/	15.87	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.17	/	/	14.82	/	/	<=34.77	Pass
		Edge_1RB_Right	21.13	/	/	14.78	/	/	<=34.77	Pass
		Outer_Full	21.05	/	/	14.70	/	/	<=34.77	Pass
		Inner_Full	22.07	/	/	15.72	/	/	<=34.77	Pass
		Inner_1RB_Left	22.23	/	/	15.88	/	/	<=34.77	Pass
		Inner_1RB_Right	22.22	/	/	15.87	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	21.41	/	/	15.06	/	/	<=34.77	Pass
		Edge_1RB_Right	21.32	/	/	14.97	/	/	<=34.77	Pass
		Outer_Full	21.23	/	/	14.88	/	/	<=34.77	Pass
		Inner_Full	22.41	/	/	16.06	/	/	<=34.77	Pass
		Inner_1RB_Left	22.35	/	/	16.00	/	/	<=34.77	Pass
		Inner_1RB_Right	22.29	/	/	15.94	/	/	<=34.77	Pass
CP-OFDM 64 QAM	665.5	Edge_1RB_Left	20.77	/	/	14.42	/	/	<=34.77	Pass
		Edge_1RB_Right	20.52	/	/	14.17	/	/	<=34.77	Pass
		Outer_Full	20.81	/	/	14.46	/	/	<=34.77	Pass
		Inner_Full	20.73	/	/	14.38	/	/	<=34.77	Pass
		Inner_1RB_Left	20.78	/	/	14.43	/	/	<=34.77	Pass
		Inner_1RB_Right	20.61	/	/	14.26	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.78	/	/	14.43	/	/	<=34.77	Pass
		Edge_1RB_Right	20.71	/	/	14.36	/	/	<=34.77	Pass
		Outer_Full	20.79	/	/	14.44	/	/	<=34.77	Pass
		Inner_Full	20.64	/	/	14.29	/	/	<=34.77	Pass
		Inner_1RB_Left	20.79	/	/	14.44	/	/	<=34.77	Pass
		Inner_1RB_Right	20.76	/	/	14.41	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	20.87	/	/	14.52	/	/	<=34.77	Pass
		Edge_1RB_Right	20.87	/	/	14.52	/	/	<=34.77	Pass
		Outer_Full	20.96	/	/	14.61	/	/	<=34.77	Pass
		Inner_Full	20.87	/	/	14.52	/	/	<=34.77	Pass
		Inner_1RB_Left	20.85	/	/	14.50	/	/	<=34.77	Pass
		Inner_1RB_Right	20.91	/	/	14.56	/	/	<=34.77	Pass
CP-OFDM 256 QAM	665.5	Edge_1RB_Left	17.48	/	/	11.13	/	/	<=34.77	Pass
		Edge_1RB_Right	17.21	/	/	10.86	/	/	<=34.77	Pass
		Outer_Full	17.62	/	/	11.27	/	/	<=34.77	Pass
		Inner_Full	17.72	/	/	11.37	/	/	<=34.77	Pass
		Inner_1RB_Left	17.48	/	/	11.13	/	/	<=34.77	Pass
		Inner_1RB_Right	17.31	/	/	10.96	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	17.33	/	/	10.98	/	/	<=34.77	Pass
		Edge_1RB_Right	17.32	/	/	10.97	/	/	<=34.77	Pass
		Outer_Full	17.65	/	/	11.30	/	/	<=34.77	Pass
		Inner_Full	17.71	/	/	11.36	/	/	<=34.77	Pass
		Inner_1RB_Left	17.36	/	/	11.01	/	/	<=34.77	Pass
		Inner_1RB_Right	17.35	/	/	11.00	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	17.45	/	/	11.10	/	/	<=34.77	Pass
		Edge_1RB_Right	17.27	/	/	10.92	/	/	<=34.77	Pass
		Outer_Full	17.88	/	/	11.53	/	/	<=34.77	Pass
		Inner_Full	17.89	/	/	11.54	/	/	<=34.77	Pass
		Inner_1RB_Left	17.45	/	/	11.10	/	/	<=34.77	Pass
		Inner_1RB_Right	17.48	/	/	11.13	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -4.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n71 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	668	Edge_1RB_Left	23.26	/	/	16.91	/	/	<=34.77	Pass
		Edge_1RB_Right	23.06	/	/	16.71	/	/	<=34.77	Pass
		Outer_Full	23.03	/	/	16.68	/	/	<=34.77	Pass
		Inner_Full	23.08	/	/	16.73	/	/	<=34.77	Pass
		Inner_1RB_Left	23.33	/	/	16.98	/	/	<=34.77	Pass
		Inner_1RB_Right	23.07	/	/	16.72	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.11	/	/	16.76	/	/	<=34.77	Pass
		Edge_1RB_Right	23.06	/	/	16.71	/	/	<=34.77	Pass
		Outer_Full	23.07	/	/	16.72	/	/	<=34.77	Pass
		Inner_Full	23.16	/	/	16.81	/	/	<=34.77	Pass
		Inner_1RB_Left	23.11	/	/	16.76	/	/	<=34.77	Pass
		Inner_1RB_Right	23.10	/	/	16.75	/	/	<=34.77	Pass
	693	Edge_1RB_Left	23.11	/	/	16.76	/	/	<=34.77	Pass
		Edge_1RB_Right	23.14	/	/	16.79	/	/	<=34.77	Pass
		Outer_Full	23.27	/	/	16.92	/	/	<=34.77	Pass
		Inner_Full	23.25	/	/	16.90	/	/	<=34.77	Pass
		Inner_1RB_Left	23.12	/	/	16.77	/	/	<=34.77	Pass
		Inner_1RB_Right	23.24	/	/	16.89	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	668	Edge_1RB_Left	23.31	/	/	16.96	/	/	<=34.77	Pass
		Edge_1RB_Right	23.13	/	/	16.78	/	/	<=34.77	Pass
		Outer_Full	23.01	/	/	16.66	/	/	<=34.77	Pass
		Inner_Full	23.02	/	/	16.67	/	/	<=34.77	Pass
		Inner_1RB_Left	23.36	/	/	17.01	/	/	<=34.77	Pass
		Inner_1RB_Right	23.26	/	/	16.91	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.20	/	/	16.85	/	/	<=34.77	Pass
		Edge_1RB_Right	23.02	/	/	16.67	/	/	<=34.77	Pass
		Outer_Full	23.15	/	/	16.80	/	/	<=34.77	Pass
		Inner_Full	23.15	/	/	16.80	/	/	<=34.77	Pass
		Inner_1RB_Left	23.22	/	/	16.87	/	/	<=34.77	Pass
		Inner_1RB_Right	23.28	/	/	16.93	/	/	<=34.77	Pass
	693	Edge_1RB_Left	23.19	/	/	16.84	/	/	<=34.77	Pass
		Edge_1RB_Right	23.27	/	/	16.92	/	/	<=34.77	Pass
		Outer_Full	23.22	/	/	16.87	/	/	<=34.77	Pass
		Inner_Full	23.30	/	/	16.95	/	/	<=34.77	Pass
		Inner_1RB_Left	23.30	/	/	16.95	/	/	<=34.77	Pass
		Inner_1RB_Right	23.18	/	/	16.83	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	668	Edge_1RB_Left	22.40	/	/	16.05	/	/	<=34.77	Pass
		Edge_1RB_Right	22.15	/	/	15.80	/	/	<=34.77	Pass
		Outer_Full	22.04	/	/	15.69	/	/	<=34.77	Pass
		Inner_Full	23.09	/	/	16.74	/	/	<=34.77	Pass
		Inner_1RB_Left	23.33	/	/	16.98	/	/	<=34.77	Pass
		Inner_1RB_Right	23.17	/	/	16.82	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.29	/	/	15.94	/	/	<=34.77	Pass
		Edge_1RB_Right	22.18	/	/	15.83	/	/	<=34.77	Pass
		Outer_Full	22.15	/	/	15.80	/	/	<=34.77	Pass
		Inner_Full	23.14	/	/	16.79	/	/	<=34.77	Pass
		Inner_1RB_Left	23.21	/	/	16.86	/	/	<=34.77	Pass
		Inner_1RB_Right	23.29	/	/	16.94	/	/	<=34.77	Pass
	693	Edge_1RB_Left	22.33	/	/	15.98	/	/	<=34.77	Pass
		Edge_1RB_Right	22.33	/	/	15.98	/	/	<=34.77	Pass
		Outer_Full	22.21	/	/	15.86	/	/	<=34.77	Pass
		Inner_Full	23.30	/	/	16.95	/	/	<=34.77	Pass
		Inner_1RB_Left	23.27	/	/	16.92	/	/	<=34.77	Pass
		Inner_1RB_Right	23.39	/	/	17.04	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	668	Edge_1RB_Left	21.81	/	/	15.46	/	/	<=34.77	Pass
		Edge_1RB_Right	21.73	/	/	15.38	/	/	<=34.77	Pass

		Outer_Full	21.52	/	/	15.17	/	/	<=34.77	Pass
		Inner_Full	21.67	/	/	15.32	/	/	<=34.77	Pass
		Inner_1RB_Left	21.92	/	/	15.57	/	/	<=34.77	Pass
		Inner_1RB_Right	21.78	/	/	15.43	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.76	/	/	15.41	/	/	<=34.77	Pass
		Edge_1RB_Right	21.81	/	/	15.46	/	/	<=34.77	Pass
		Outer_Full	21.62	/	/	15.27	/	/	<=34.77	Pass
		Inner_Full	21.76	/	/	15.41	/	/	<=34.77	Pass
		Inner_1RB_Left	21.87	/	/	15.52	/	/	<=34.77	Pass
		Inner_1RB_Right	21.80	/	/	15.45	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.88	/	/	15.53	/	/	<=34.77	Pass
		Edge_1RB_Right	21.84	/	/	15.49	/	/	<=34.77	Pass
		Outer_Full	21.74	/	/	15.39	/	/	<=34.77	Pass
		Inner_Full	21.87	/	/	15.52	/	/	<=34.77	Pass
		Inner_1RB_Left	21.87	/	/	15.52	/	/	<=34.77	Pass
		Inner_1RB_Right	21.89	/	/	15.54	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	668	Edge_1RB_Left	19.50	/	/	13.15	/	/	<=34.77	Pass
		Edge_1RB_Right	19.27	/	/	12.92	/	/	<=34.77	Pass
		Outer_Full	19.54	/	/	13.19	/	/	<=34.77	Pass
		Inner_Full	19.45	/	/	13.10	/	/	<=34.77	Pass
		Inner_1RB_Left	19.44	/	/	13.09	/	/	<=34.77	Pass
		Inner_1RB_Right	19.23	/	/	12.88	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	19.38	/	/	13.03	/	/	<=34.77	Pass
		Edge_1RB_Right	19.33	/	/	12.98	/	/	<=34.77	Pass
		Outer_Full	19.57	/	/	13.22	/	/	<=34.77	Pass
		Inner_Full	19.55	/	/	13.20	/	/	<=34.77	Pass
		Inner_1RB_Left	19.45	/	/	13.10	/	/	<=34.77	Pass
		Inner_1RB_Right	19.32	/	/	12.97	/	/	<=34.77	Pass
	693	Edge_1RB_Left	19.31	/	/	12.96	/	/	<=34.77	Pass
		Edge_1RB_Right	19.39	/	/	13.04	/	/	<=34.77	Pass
		Outer_Full	19.73	/	/	13.38	/	/	<=34.77	Pass
		Inner_Full	19.72	/	/	13.37	/	/	<=34.77	Pass
		Inner_1RB_Left	19.37	/	/	13.02	/	/	<=34.77	Pass
		Inner_1RB_Right	19.47	/	/	13.12	/	/	<=34.77	Pass
CP-OFDM QPSK	668	Edge_1RB_Left	21.33	/	/	14.98	/	/	<=34.77	Pass
		Edge_1RB_Right	21.13	/	/	14.78	/	/	<=34.77	Pass
		Outer_Full	21.01	/	/	14.66	/	/	<=34.77	Pass
		Inner_Full	22.57	/	/	16.22	/	/	<=34.77	Pass
		Inner_1RB_Left	22.82	/	/	16.47	/	/	<=34.77	Pass
		Inner_1RB_Right	22.68	/	/	16.33	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.23	/	/	14.88	/	/	<=34.77	Pass
		Edge_1RB_Right	21.25	/	/	14.90	/	/	<=34.77	Pass
		Outer_Full	21.09	/	/	14.74	/	/	<=34.77	Pass
		Inner_Full	22.63	/	/	16.28	/	/	<=34.77	Pass
		Inner_1RB_Left	22.78	/	/	16.43	/	/	<=34.77	Pass
		Inner_1RB_Right	22.75	/	/	16.40	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.19	/	/	14.84	/	/	<=34.77	Pass
		Edge_1RB_Right	21.34	/	/	14.99	/	/	<=34.77	Pass
		Outer_Full	21.21	/	/	14.86	/	/	<=34.77	Pass
		Inner_Full	22.77	/	/	16.42	/	/	<=34.77	Pass
		Inner_1RB_Left	22.80	/	/	16.45	/	/	<=34.77	Pass
		Inner_1RB_Right	22.83	/	/	16.48	/	/	<=34.77	Pass
CP-OFDM 16 QAM	668	Edge_1RB_Left	21.37	/	/	15.02	/	/	<=34.77	Pass
		Edge_1RB_Right	21.28	/	/	14.93	/	/	<=34.77	Pass
		Outer_Full	21.07	/	/	14.72	/	/	<=34.77	Pass
		Inner_Full	22.13	/	/	15.78	/	/	<=34.77	Pass
		Inner_1RB_Left	22.26	/	/	15.91	/	/	<=34.77	Pass
		Inner_1RB_Right	22.06	/	/	15.71	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.18	/	/	14.83	/	/	<=34.77	Pass

		Edge_1RB_Right	21.18	/	/	14.83	/	/	<=34.77	Pass
		Outer_Full	21.17	/	/	14.82	/	/	<=34.77	Pass
		Inner_Full	22.15	/	/	15.80	/	/	<=34.77	Pass
		Inner_1RB_Left	22.31	/	/	15.96	/	/	<=34.77	Pass
		Inner_1RB_Right	22.17	/	/	15.82	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.24	/	/	14.89	/	/	<=34.77	Pass
		Edge_1RB_Right	21.37	/	/	15.02	/	/	<=34.77	Pass
		Outer_Full	21.17	/	/	14.82	/	/	<=34.77	Pass
		Inner_Full	22.25	/	/	15.90	/	/	<=34.77	Pass
		Inner_1RB_Left	22.25	/	/	15.90	/	/	<=34.77	Pass
		Inner_1RB_Right	22.31	/	/	15.96	/	/	<=34.77	Pass
	CP-OFDM 64 QAM	668	Edge_1RB_Left	20.63	/	/	14.28	/	/	<=34.77
Edge_1RB_Right			20.54	/	/	14.19	/	/	<=34.77	Pass
Outer_Full			20.50	/	/	14.15	/	/	<=34.77	Pass
Inner_Full			20.58	/	/	14.23	/	/	<=34.77	Pass
Inner_1RB_Left			20.70	/	/	14.35	/	/	<=34.77	Pass
Inner_1RB_Right			20.70	/	/	14.35	/	/	<=34.77	Pass
680.5		Edge_1RB_Left	20.80	/	/	14.45	/	/	<=34.77	Pass
		Edge_1RB_Right	20.73	/	/	14.38	/	/	<=34.77	Pass
		Outer_Full	20.57	/	/	14.22	/	/	<=34.77	Pass
		Inner_Full	20.72	/	/	14.37	/	/	<=34.77	Pass
		Inner_1RB_Left	20.77	/	/	14.42	/	/	<=34.77	Pass
		Inner_1RB_Right	20.81	/	/	14.46	/	/	<=34.77	Pass
693		Edge_1RB_Left	20.82	/	/	14.47	/	/	<=34.77	Pass
		Edge_1RB_Right	20.86	/	/	14.51	/	/	<=34.77	Pass
		Outer_Full	20.78	/	/	14.43	/	/	<=34.77	Pass
		Inner_Full	20.82	/	/	14.47	/	/	<=34.77	Pass
		Inner_1RB_Left	20.79	/	/	14.44	/	/	<=34.77	Pass
		Inner_1RB_Right	20.89	/	/	14.54	/	/	<=34.77	Pass
CP-OFDM 256 QAM	668	Edge_1RB_Left	17.38	/	/	11.03	/	/	<=34.77	Pass
		Edge_1RB_Right	17.26	/	/	10.91	/	/	<=34.77	Pass
		Outer_Full	17.53	/	/	11.18	/	/	<=34.77	Pass
		Inner_Full	17.43	/	/	11.08	/	/	<=34.77	Pass
		Inner_1RB_Left	17.40	/	/	11.05	/	/	<=34.77	Pass
		Inner_1RB_Right	17.25	/	/	10.90	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	17.32	/	/	10.97	/	/	<=34.77	Pass
		Edge_1RB_Right	17.28	/	/	10.93	/	/	<=34.77	Pass
		Outer_Full	17.68	/	/	11.33	/	/	<=34.77	Pass
		Inner_Full	17.64	/	/	11.29	/	/	<=34.77	Pass
		Inner_1RB_Left	17.32	/	/	10.97	/	/	<=34.77	Pass
		Inner_1RB_Right	17.32	/	/	10.97	/	/	<=34.77	Pass
	693	Edge_1RB_Left	17.39	/	/	11.04	/	/	<=34.77	Pass
		Edge_1RB_Right	17.33	/	/	10.98	/	/	<=34.77	Pass
		Outer_Full	17.74	/	/	11.39	/	/	<=34.77	Pass
		Inner_Full	17.73	/	/	11.38	/	/	<=34.77	Pass
		Inner_1RB_Left	17.39	/	/	11.04	/	/	<=34.77	Pass
		Inner_1RB_Right	17.50	/	/	11.15	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -4.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15k_SISO_15MHz_NTNV_ERP

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	23.30	/	/	16.95	/	/	<=34.77	Pass
		Edge_1RB_Right	23.24	/	/	16.89	/	/	<=34.77	Pass
		Outer_Full	23.24	/	/	16.89	/	/	<=34.77	Pass

		Inner_Full	23.34	/	/	16.99	/	/	<=34.77	Pass
		Inner_1RB_Left	23.35	/	/	17.00	/	/	<=34.77	Pass
		Inner_1RB_Right	23.29	/	/	16.94	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.23	/	/	16.88	/	/	<=34.77	Pass
		Edge_1RB_Right	23.04	/	/	16.69	/	/	<=34.77	Pass
		Outer_Full	23.20	/	/	16.85	/	/	<=34.77	Pass
		Inner_Full	23.23	/	/	16.88	/	/	<=34.77	Pass
		Inner_1RB_Left	23.18	/	/	16.83	/	/	<=34.77	Pass
		Inner_1RB_Right	23.19	/	/	16.84	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	23.21	/	/	16.86	/	/	<=34.77	Pass
		Edge_1RB_Right	23.25	/	/	16.90	/	/	<=34.77	Pass
		Outer_Full	23.36	/	/	17.01	/	/	<=34.77	Pass
		Inner_Full	23.33	/	/	16.98	/	/	<=34.77	Pass
		Inner_1RB_Left	23.15	/	/	16.80	/	/	<=34.77	Pass
		Inner_1RB_Right	23.25	/	/	16.90	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	670.5	Edge_1RB_Left	23.42	/	/	17.07	/	/	<=34.77	Pass
		Edge_1RB_Right	23.41	/	/	17.06	/	/	<=34.77	Pass
		Outer_Full	23.23	/	/	16.88	/	/	<=34.77	Pass
		Inner_Full	23.17	/	/	16.82	/	/	<=34.77	Pass
		Inner_1RB_Left	23.46	/	/	17.11	/	/	<=34.77	Pass
		Inner_1RB_Right	23.36	/	/	17.01	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.19	/	/	16.84	/	/	<=34.77	Pass
		Edge_1RB_Right	23.20	/	/	16.85	/	/	<=34.77	Pass
		Outer_Full	23.21	/	/	16.86	/	/	<=34.77	Pass
		Inner_Full	23.30	/	/	16.95	/	/	<=34.77	Pass
		Inner_1RB_Left	23.30	/	/	16.95	/	/	<=34.77	Pass
		Inner_1RB_Right	23.22	/	/	16.87	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	23.29	/	/	16.94	/	/	<=34.77	Pass
		Edge_1RB_Right	23.37	/	/	17.02	/	/	<=34.77	Pass
		Outer_Full	23.22	/	/	16.87	/	/	<=34.77	Pass
		Inner_Full	23.23	/	/	16.88	/	/	<=34.77	Pass
		Inner_1RB_Left	23.27	/	/	16.92	/	/	<=34.77	Pass
		Inner_1RB_Right	23.44	/	/	17.09	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	670.5	Edge_1RB_Left	22.44	/	/	16.09	/	/	<=34.77	Pass
		Edge_1RB_Right	22.41	/	/	16.06	/	/	<=34.77	Pass
		Outer_Full	22.19	/	/	15.84	/	/	<=34.77	Pass
		Inner_Full	23.26	/	/	16.91	/	/	<=34.77	Pass
		Inner_1RB_Left	23.45	/	/	17.10	/	/	<=34.77	Pass
		Inner_1RB_Right	23.38	/	/	17.03	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.35	/	/	16.00	/	/	<=34.77	Pass
		Edge_1RB_Right	22.39	/	/	16.04	/	/	<=34.77	Pass
		Outer_Full	22.20	/	/	15.85	/	/	<=34.77	Pass
		Inner_Full	23.20	/	/	16.85	/	/	<=34.77	Pass
		Inner_1RB_Left	23.31	/	/	16.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.26	/	/	16.91	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	22.30	/	/	15.95	/	/	<=34.77	Pass
		Edge_1RB_Right	22.54	/	/	16.19	/	/	<=34.77	Pass
		Outer_Full	22.33	/	/	15.98	/	/	<=34.77	Pass
		Inner_Full	23.33	/	/	16.98	/	/	<=34.77	Pass
		Inner_1RB_Left	23.31	/	/	16.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.49	/	/	17.14	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	670.5	Edge_1RB_Left	22.01	/	/	15.66	/	/	<=34.77	Pass
		Edge_1RB_Right	21.96	/	/	15.61	/	/	<=34.77	Pass
		Outer_Full	21.76	/	/	15.41	/	/	<=34.77	Pass
		Inner_Full	21.68	/	/	15.33	/	/	<=34.77	Pass
		Inner_1RB_Left	21.95	/	/	15.60	/	/	<=34.77	Pass
		Inner_1RB_Right	21.99	/	/	15.64	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.82	/	/	15.47	/	/	<=34.77	Pass
		Edge_1RB_Right	21.81	/	/	15.46	/	/	<=34.77	Pass

		Outer_Full	21.74	/	/	15.39	/	/	<=34.77	Pass
		Inner_Full	21.79	/	/	15.44	/	/	<=34.77	Pass
		Inner_1RB_Left	21.84	/	/	15.49	/	/	<=34.77	Pass
		Inner_1RB_Right	21.76	/	/	15.41	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	21.89	/	/	15.54	/	/	<=34.77	Pass
		Edge_1RB_Right	21.84	/	/	15.49	/	/	<=34.77	Pass
		Outer_Full	21.82	/	/	15.47	/	/	<=34.77	Pass
		Inner_Full	21.84	/	/	15.49	/	/	<=34.77	Pass
		Inner_1RB_Left	21.77	/	/	15.42	/	/	<=34.77	Pass
		Inner_1RB_Right	21.99	/	/	15.64	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	670.5	Edge_1RB_Left	19.56	/	/	13.21	/	/	<=34.77	Pass
		Edge_1RB_Right	19.54	/	/	13.19	/	/	<=34.77	Pass
		Outer_Full	19.62	/	/	13.27	/	/	<=34.77	Pass
		Inner_Full	19.58	/	/	13.23	/	/	<=34.77	Pass
		Inner_1RB_Left	19.53	/	/	13.18	/	/	<=34.77	Pass
		Inner_1RB_Right	19.53	/	/	13.18	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	19.49	/	/	13.14	/	/	<=34.77	Pass
		Edge_1RB_Right	19.40	/	/	13.05	/	/	<=34.77	Pass
		Outer_Full	19.62	/	/	13.27	/	/	<=34.77	Pass
		Inner_Full	19.69	/	/	13.34	/	/	<=34.77	Pass
		Inner_1RB_Left	19.48	/	/	13.13	/	/	<=34.77	Pass
		Inner_1RB_Right	19.44	/	/	13.09	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	19.47	/	/	13.12	/	/	<=34.77	Pass
		Edge_1RB_Right	19.45	/	/	13.10	/	/	<=34.77	Pass
		Outer_Full	19.73	/	/	13.38	/	/	<=34.77	Pass
		Inner_Full	19.72	/	/	13.37	/	/	<=34.77	Pass
		Inner_1RB_Left	19.40	/	/	13.05	/	/	<=34.77	Pass
		Inner_1RB_Right	19.41	/	/	13.06	/	/	<=34.77	Pass
CP-OFDM QPSK	670.5	Edge_1RB_Left	21.35	/	/	15.00	/	/	<=34.77	Pass
		Edge_1RB_Right	21.42	/	/	15.07	/	/	<=34.77	Pass
		Outer_Full	21.26	/	/	14.91	/	/	<=34.77	Pass
		Inner_Full	22.75	/	/	16.40	/	/	<=34.77	Pass
		Inner_1RB_Left	22.93	/	/	16.58	/	/	<=34.77	Pass
		Inner_1RB_Right	22.62	/	/	16.27	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.27	/	/	14.92	/	/	<=34.77	Pass
		Edge_1RB_Right	21.28	/	/	14.93	/	/	<=34.77	Pass
		Outer_Full	21.20	/	/	14.85	/	/	<=34.77	Pass
		Inner_Full	22.73	/	/	16.38	/	/	<=34.77	Pass
		Inner_1RB_Left	22.76	/	/	16.41	/	/	<=34.77	Pass
		Inner_1RB_Right	22.71	/	/	16.36	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	21.26	/	/	14.91	/	/	<=34.77	Pass
		Edge_1RB_Right	21.40	/	/	15.05	/	/	<=34.77	Pass
		Outer_Full	21.29	/	/	14.94	/	/	<=34.77	Pass
		Inner_Full	22.82	/	/	16.47	/	/	<=34.77	Pass
		Inner_1RB_Left	22.74	/	/	16.39	/	/	<=34.77	Pass
		Inner_1RB_Right	22.85	/	/	16.50	/	/	<=34.77	Pass
CP-OFDM 16 QAM	670.5	Edge_1RB_Left	21.39	/	/	15.04	/	/	<=34.77	Pass
		Edge_1RB_Right	21.33	/	/	14.98	/	/	<=34.77	Pass
		Outer_Full	21.14	/	/	14.79	/	/	<=34.77	Pass
		Inner_Full	22.08	/	/	15.73	/	/	<=34.77	Pass
		Inner_1RB_Left	22.75	/	/	16.40	/	/	<=34.77	Pass
		Inner_1RB_Right	22.39	/	/	16.04	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.36	/	/	15.01	/	/	<=34.77	Pass
		Edge_1RB_Right	21.29	/	/	14.94	/	/	<=34.77	Pass
		Outer_Full	21.12	/	/	14.77	/	/	<=34.77	Pass
		Inner_Full	22.11	/	/	15.76	/	/	<=34.77	Pass
		Inner_1RB_Left	22.38	/	/	16.03	/	/	<=34.77	Pass
		Inner_1RB_Right	22.31	/	/	15.96	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	21.32	/	/	14.97	/	/	<=34.77	Pass

		Edge_1RB_Right	21.37	/	/	15.02	/	/	<=34.77	Pass
		Outer_Full	21.24	/	/	14.89	/	/	<=34.77	Pass
		Inner_Full	22.21	/	/	15.86	/	/	<=34.77	Pass
		Inner_1RB_Left	22.26	/	/	15.91	/	/	<=34.77	Pass
		Inner_1RB_Right	22.36	/	/	16.01	/	/	<=34.77	Pass
CP-OFDM 64 QAM	670.5	Edge_1RB_Left	20.88	/	/	14.53	/	/	<=34.77	Pass
		Edge_1RB_Right	20.91	/	/	14.56	/	/	<=34.77	Pass
		Outer_Full	20.65	/	/	14.30	/	/	<=34.77	Pass
		Inner_Full	20.63	/	/	14.28	/	/	<=34.77	Pass
		Inner_1RB_Left	21.23	/	/	14.88	/	/	<=34.77	Pass
		Inner_1RB_Right	20.92	/	/	14.57	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.78	/	/	14.43	/	/	<=34.77	Pass
		Edge_1RB_Right	20.71	/	/	14.36	/	/	<=34.77	Pass
		Outer_Full	20.74	/	/	14.39	/	/	<=34.77	Pass
		Inner_Full	20.80	/	/	14.45	/	/	<=34.77	Pass
		Inner_1RB_Left	20.75	/	/	14.40	/	/	<=34.77	Pass
		Inner_1RB_Right	20.68	/	/	14.33	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	20.90	/	/	14.55	/	/	<=34.77	Pass
		Edge_1RB_Right	20.94	/	/	14.59	/	/	<=34.77	Pass
		Outer_Full	20.78	/	/	14.43	/	/	<=34.77	Pass
		Inner_Full	20.76	/	/	14.41	/	/	<=34.77	Pass
		Inner_1RB_Left	20.79	/	/	14.44	/	/	<=34.77	Pass
		Inner_1RB_Right	20.94	/	/	14.59	/	/	<=34.77	Pass
CP-OFDM 256 QAM	670.5	Edge_1RB_Left	17.50	/	/	11.15	/	/	<=34.77	Pass
		Edge_1RB_Right	17.50	/	/	11.15	/	/	<=34.77	Pass
		Outer_Full	17.75	/	/	11.40	/	/	<=34.77	Pass
		Inner_Full	17.60	/	/	11.25	/	/	<=34.77	Pass
		Inner_1RB_Left	17.52	/	/	11.17	/	/	<=34.77	Pass
		Inner_1RB_Right	17.51	/	/	11.16	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	17.46	/	/	11.11	/	/	<=34.77	Pass
		Edge_1RB_Right	17.47	/	/	11.12	/	/	<=34.77	Pass
		Outer_Full	17.67	/	/	11.32	/	/	<=34.77	Pass
		Inner_Full	17.68	/	/	11.33	/	/	<=34.77	Pass
		Inner_1RB_Left	17.42	/	/	11.07	/	/	<=34.77	Pass
		Inner_1RB_Right	17.41	/	/	11.06	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	17.48	/	/	11.13	/	/	<=34.77	Pass
		Edge_1RB_Right	17.52	/	/	11.17	/	/	<=34.77	Pass
		Outer_Full	17.81	/	/	11.46	/	/	<=34.77	Pass
		Inner_Full	17.75	/	/	11.40	/	/	<=34.77	Pass
		Inner_1RB_Left	17.49	/	/	11.14	/	/	<=34.77	Pass
		Inner_1RB_Right	17.61	/	/	11.26	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -4.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_SISO_20MHz_NTNV_ERP

5G NR n71 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	673	Edge_1RB_Left	23.25	/	/	16.90	/	/	<=34.77	Pass
		Edge_1RB_Right	23.08	/	/	16.73	/	/	<=34.77	Pass
		Outer_Full	23.29	/	/	16.94	/	/	<=34.77	Pass
		Inner_Full	23.26	/	/	16.91	/	/	<=34.77	Pass
		Inner_1RB_Left	23.35	/	/	17.00	/	/	<=34.77	Pass
		Inner_1RB_Right	23.12	/	/	16.77	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.07	/	/	16.72	/	/	<=34.77	Pass
		Edge_1RB_Right	23.20	/	/	16.85	/	/	<=34.77	Pass
		Outer_Full	23.16	/	/	16.81	/	/	<=34.77	Pass

		Inner_Full	23.21	/	/	16.86	/	/	<=34.77	Pass
		Inner_1RB_Left	23.09	/	/	16.74	/	/	<=34.77	Pass
		Inner_1RB_Right	23.13	/	/	16.78	/	/	<=34.77	Pass
	688	Edge_1RB_Left	23.26	/	/	16.91	/	/	<=34.77	Pass
		Edge_1RB_Right	23.24	/	/	16.89	/	/	<=34.77	Pass
		Outer_Full	23.28	/	/	16.93	/	/	<=34.77	Pass
		Inner_Full	23.19	/	/	16.84	/	/	<=34.77	Pass
		Inner_1RB_Left	23.22	/	/	16.87	/	/	<=34.77	Pass
		Inner_1RB_Right	23.28	/	/	16.93	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	673	Edge_1RB_Left	23.19	/	/	16.84	/	/	<=34.77	Pass
		Edge_1RB_Right	23.22	/	/	16.87	/	/	<=34.77	Pass
		Outer_Full	23.24	/	/	16.89	/	/	<=34.77	Pass
		Inner_Full	23.18	/	/	16.83	/	/	<=34.77	Pass
		Inner_1RB_Left	23.14	/	/	16.79	/	/	<=34.77	Pass
		Inner_1RB_Right	23.19	/	/	16.84	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.04	/	/	16.69	/	/	<=34.77	Pass
		Edge_1RB_Right	23.37	/	/	17.02	/	/	<=34.77	Pass
		Outer_Full	23.18	/	/	16.83	/	/	<=34.77	Pass
		Inner_Full	23.23	/	/	16.88	/	/	<=34.77	Pass
		Inner_1RB_Left	23.12	/	/	16.77	/	/	<=34.77	Pass
		Inner_1RB_Right	23.36	/	/	17.01	/	/	<=34.77	Pass
	688	Edge_1RB_Left	23.40	/	/	17.05	/	/	<=34.77	Pass
		Edge_1RB_Right	23.35	/	/	17.00	/	/	<=34.77	Pass
		Outer_Full	23.23	/	/	16.88	/	/	<=34.77	Pass
		Inner_Full	23.16	/	/	16.81	/	/	<=34.77	Pass
		Inner_1RB_Left	23.39	/	/	17.04	/	/	<=34.77	Pass
		Inner_1RB_Right	23.39	/	/	17.04	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	673	Edge_1RB_Left	22.29	/	/	15.94	/	/	<=34.77	Pass
		Edge_1RB_Right	22.27	/	/	15.92	/	/	<=34.77	Pass
		Outer_Full	22.37	/	/	16.02	/	/	<=34.77	Pass
		Inner_Full	23.18	/	/	16.83	/	/	<=34.77	Pass
		Inner_1RB_Left	23.38	/	/	17.03	/	/	<=34.77	Pass
		Inner_1RB_Right	23.25	/	/	16.90	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.21	/	/	15.86	/	/	<=34.77	Pass
		Edge_1RB_Right	22.42	/	/	16.07	/	/	<=34.77	Pass
		Outer_Full	22.23	/	/	15.88	/	/	<=34.77	Pass
		Inner_Full	23.22	/	/	16.87	/	/	<=34.77	Pass
		Inner_1RB_Left	23.14	/	/	16.79	/	/	<=34.77	Pass
		Inner_1RB_Right	23.34	/	/	16.99	/	/	<=34.77	Pass
	688	Edge_1RB_Left	22.37	/	/	16.02	/	/	<=34.77	Pass
		Edge_1RB_Right	22.54	/	/	16.19	/	/	<=34.77	Pass
		Outer_Full	22.28	/	/	15.93	/	/	<=34.77	Pass
		Inner_Full	23.21	/	/	16.86	/	/	<=34.77	Pass
		Inner_1RB_Left	23.37	/	/	17.02	/	/	<=34.77	Pass
		Inner_1RB_Right	23.42	/	/	17.07	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	673	Edge_1RB_Left	21.88	/	/	15.53	/	/	<=34.77	Pass
		Edge_1RB_Right	21.72	/	/	15.37	/	/	<=34.77	Pass
		Outer_Full	21.67	/	/	15.32	/	/	<=34.77	Pass
		Inner_Full	21.70	/	/	15.35	/	/	<=34.77	Pass
		Inner_1RB_Left	21.94	/	/	15.59	/	/	<=34.77	Pass
		Inner_1RB_Right	21.73	/	/	15.38	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.82	/	/	15.47	/	/	<=34.77	Pass
		Edge_1RB_Right	21.81	/	/	15.46	/	/	<=34.77	Pass
		Outer_Full	21.69	/	/	15.34	/	/	<=34.77	Pass
		Inner_Full	21.75	/	/	15.40	/	/	<=34.77	Pass
		Inner_1RB_Left	21.67	/	/	15.32	/	/	<=34.77	Pass
		Inner_1RB_Right	21.84	/	/	15.49	/	/	<=34.77	Pass
	688	Edge_1RB_Left	21.95	/	/	15.60	/	/	<=34.77	Pass
		Edge_1RB_Right	21.82	/	/	15.47	/	/	<=34.77	Pass

		Outer_Full	21.67	/	/	15.32	/	/	<=34.77	Pass
		Inner_Full	21.70	/	/	15.35	/	/	<=34.77	Pass
		Inner_1RB_Left	21.75	/	/	15.40	/	/	<=34.77	Pass
		Inner_1RB_Right	21.92	/	/	15.57	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	673	Edge_1RB_Left	19.42	/	/	13.07	/	/	<=34.77	Pass
		Edge_1RB_Right	19.45	/	/	13.10	/	/	<=34.77	Pass
		Outer_Full	19.78	/	/	13.43	/	/	<=34.77	Pass
		Inner_Full	19.64	/	/	13.29	/	/	<=34.77	Pass
		Inner_1RB_Left	19.47	/	/	13.12	/	/	<=34.77	Pass
		Inner_1RB_Right	19.46	/	/	13.11	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	19.33	/	/	12.98	/	/	<=34.77	Pass
		Edge_1RB_Right	19.57	/	/	13.22	/	/	<=34.77	Pass
		Outer_Full	19.63	/	/	13.28	/	/	<=34.77	Pass
		Inner_Full	19.70	/	/	13.35	/	/	<=34.77	Pass
		Inner_1RB_Left	19.30	/	/	12.95	/	/	<=34.77	Pass
		Inner_1RB_Right	19.53	/	/	13.18	/	/	<=34.77	Pass
	688	Edge_1RB_Left	19.46	/	/	13.11	/	/	<=34.77	Pass
		Edge_1RB_Right	19.48	/	/	13.13	/	/	<=34.77	Pass
		Outer_Full	19.74	/	/	13.39	/	/	<=34.77	Pass
		Inner_Full	19.66	/	/	13.31	/	/	<=34.77	Pass
		Inner_1RB_Left	19.49	/	/	13.14	/	/	<=34.77	Pass
		Inner_1RB_Right	19.64	/	/	13.29	/	/	<=34.77	Pass
CP-OFDM QPSK	673	Edge_1RB_Left	21.23	/	/	14.88	/	/	<=34.77	Pass
		Edge_1RB_Right	21.11	/	/	14.76	/	/	<=34.77	Pass
		Outer_Full	21.25	/	/	14.90	/	/	<=34.77	Pass
		Inner_Full	22.75	/	/	16.40	/	/	<=34.77	Pass
		Inner_1RB_Left	22.76	/	/	16.41	/	/	<=34.77	Pass
		Inner_1RB_Right	22.63	/	/	16.28	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.25	/	/	14.90	/	/	<=34.77	Pass
		Edge_1RB_Right	21.30	/	/	14.95	/	/	<=34.77	Pass
		Outer_Full	21.20	/	/	14.85	/	/	<=34.77	Pass
		Inner_Full	22.73	/	/	16.38	/	/	<=34.77	Pass
		Inner_1RB_Left	22.71	/	/	16.36	/	/	<=34.77	Pass
		Inner_1RB_Right	22.72	/	/	16.37	/	/	<=34.77	Pass
	688	Edge_1RB_Left	21.38	/	/	15.03	/	/	<=34.77	Pass
		Edge_1RB_Right	21.32	/	/	14.97	/	/	<=34.77	Pass
		Outer_Full	21.30	/	/	14.95	/	/	<=34.77	Pass
		Inner_Full	22.72	/	/	16.37	/	/	<=34.77	Pass
		Inner_1RB_Left	22.83	/	/	16.48	/	/	<=34.77	Pass
		Inner_1RB_Right	22.85	/	/	16.50	/	/	<=34.77	Pass
CP-OFDM 16 QAM	673	Edge_1RB_Left	21.44	/	/	15.09	/	/	<=34.77	Pass
		Edge_1RB_Right	21.30	/	/	14.95	/	/	<=34.77	Pass
		Outer_Full	21.24	/	/	14.89	/	/	<=34.77	Pass
		Inner_Full	22.25	/	/	15.90	/	/	<=34.77	Pass
		Inner_1RB_Left	22.27	/	/	15.92	/	/	<=34.77	Pass
		Inner_1RB_Right	22.06	/	/	15.71	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.14	/	/	14.79	/	/	<=34.77	Pass
		Edge_1RB_Right	21.18	/	/	14.83	/	/	<=34.77	Pass
		Outer_Full	21.19	/	/	14.84	/	/	<=34.77	Pass
		Inner_Full	22.24	/	/	15.89	/	/	<=34.77	Pass
		Inner_1RB_Left	22.12	/	/	15.77	/	/	<=34.77	Pass
		Inner_1RB_Right	22.22	/	/	15.87	/	/	<=34.77	Pass
	688	Edge_1RB_Left	21.37	/	/	15.02	/	/	<=34.77	Pass
		Edge_1RB_Right	21.39	/	/	15.04	/	/	<=34.77	Pass
		Outer_Full	21.23	/	/	14.88	/	/	<=34.77	Pass
		Inner_Full	22.24	/	/	15.89	/	/	<=34.77	Pass
		Inner_1RB_Left	22.35	/	/	16.00	/	/	<=34.77	Pass
		Inner_1RB_Right	22.42	/	/	16.07	/	/	<=34.77	Pass
CP-OFDM 64 QAM	673	Edge_1RB_Left	20.71	/	/	14.36	/	/	<=34.77	Pass

		Edge 1RB Right	20.67	/	/	14.32	/	/	<=34.77	Pass
		Outer_Full	20.77	/	/	14.42	/	/	<=34.77	Pass
		Inner_Full	20.76	/	/	14.41	/	/	<=34.77	Pass
		Inner_1RB_Left	20.76	/	/	14.41	/	/	<=34.77	Pass
		Inner_1RB_Right	20.66	/	/	14.31	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	20.70	/	/	14.35	/	/	<=34.77	Pass
		Edge 1RB Right	20.79	/	/	14.44	/	/	<=34.77	Pass
		Outer_Full	20.62	/	/	14.27	/	/	<=34.77	Pass
		Inner_Full	20.67	/	/	14.32	/	/	<=34.77	Pass
		Inner_1RB_Left	20.68	/	/	14.33	/	/	<=34.77	Pass
	688	Inner_1RB_Right	20.80	/	/	14.45	/	/	<=34.77	Pass
		Edge 1RB Left	20.92	/	/	14.57	/	/	<=34.77	Pass
		Edge 1RB Right	20.96	/	/	14.61	/	/	<=34.77	Pass
		Outer_Full	20.79	/	/	14.44	/	/	<=34.77	Pass
		Inner_Full	20.71	/	/	14.36	/	/	<=34.77	Pass
CP-OFDM 256 QAM	673	Inner_1RB_Left	20.90	/	/	14.55	/	/	<=34.77	Pass
		Inner_1RB_Right	20.97	/	/	14.62	/	/	<=34.77	Pass
		Edge 1RB Left	17.39	/	/	11.04	/	/	<=34.77	Pass
		Edge 1RB Right	17.45	/	/	11.10	/	/	<=34.77	Pass
		Outer_Full	17.73	/	/	11.38	/	/	<=34.77	Pass
		Inner_Full	17.68	/	/	11.33	/	/	<=34.77	Pass
	680.5	Inner_1RB_Left	17.44	/	/	11.09	/	/	<=34.77	Pass
		Inner_1RB_Right	17.38	/	/	11.03	/	/	<=34.77	Pass
		Edge 1RB Left	17.38	/	/	11.03	/	/	<=34.77	Pass
		Edge 1RB Right	17.55	/	/	11.20	/	/	<=34.77	Pass
		Outer_Full	17.70	/	/	11.35	/	/	<=34.77	Pass
		Inner_Full	17.68	/	/	11.33	/	/	<=34.77	Pass
	688	Inner_1RB_Left	17.46	/	/	11.11	/	/	<=34.77	Pass
		Inner_1RB_Right	17.57	/	/	11.22	/	/	<=34.77	Pass
		Edge 1RB Left	17.53	/	/	11.18	/	/	<=34.77	Pass
Edge 1RB Right		17.71	/	/	11.36	/	/	<=34.77	Pass	
Outer_Full		17.82	/	/	11.47	/	/	<=34.77	Pass	
	Inner_Full	17.78	/	/	11.43	/	/	<=34.77	Pass	
	Inner_1RB_Left	17.48	/	/	11.13	/	/	<=34.77	Pass	
	Inner_1RB_Right	17.68	/	/	11.33	/	/	<=34.77	Pass	
Note1: Antenna Gain: Ant1: -4.20dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_20MHz

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 BPSK	680.5	Outer_Full	20	LV	-15.30	-0.0225	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0118	>=-2.5 & <=2.5	Pass
			-30	NV	-12.00	-0.0176	>=-2.5 & <=2.5	Pass
			-20	NV	-11.50	-0.0169	>=-2.5 & <=2.5	Pass
			-10	NV	-14.20	-0.0209	>=-2.5 & <=2.5	Pass
			0	NV	-11.20	-0.0165	>=-2.5 & <=2.5	Pass
			10	NV	-14.30	-0.0210	>=-2.5 & <=2.5	Pass
			20	NV	-12.90	-0.0190	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0151	>=-2.5 & <=2.5	Pass

			40	NV	-10.20	-0.0150	>=-2.5 & <=2.5	Pass
			50	NV	-10.60	-0.0156	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	680.5	Outer_Full	20	LV	-13.10	-0.0193	>=-2.5 & <=2.5	Pass
				HV	-11.00	-0.0162	>=-2.5 & <=2.5	Pass
			-30	NV	-11.50	-0.0169	>=-2.5 & <=2.5	Pass
			-20	NV	-11.00	-0.0162	>=-2.5 & <=2.5	Pass
			-10	NV	-11.70	-0.0172	>=-2.5 & <=2.5	Pass
			0	NV	-11.10	-0.0163	>=-2.5 & <=2.5	Pass
			10	NV	-14.80	-0.0217	>=-2.5 & <=2.5	Pass
			20	NV	-12.10	-0.0178	>=-2.5 & <=2.5	Pass
			30	NV	-13.40	-0.0197	>=-2.5 & <=2.5	Pass
			40	NV	-16.30	-0.0240	>=-2.5 & <=2.5	Pass
			50	NV	-12.10	-0.0178	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	680.5	Outer_Full	20	LV	-14.10	-0.0207	>=-2.5 & <=2.5	Pass
				HV	-11.40	-0.0168	>=-2.5 & <=2.5	Pass
			-30	NV	-14.80	-0.0217	>=-2.5 & <=2.5	Pass
			-20	NV	-10.00	-0.0147	>=-2.5 & <=2.5	Pass
			-10	NV	-11.90	-0.0175	>=-2.5 & <=2.5	Pass
			0	NV	-13.10	-0.0193	>=-2.5 & <=2.5	Pass
			10	NV	-13.70	-0.0201	>=-2.5 & <=2.5	Pass
			20	NV	-17.70	-0.0260	>=-2.5 & <=2.5	Pass
			30	NV	-11.00	-0.0162	>=-2.5 & <=2.5	Pass
			40	NV	-13.50	-0.0198	>=-2.5 & <=2.5	Pass
			50	NV	-8.80	-0.0129	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	20	LV	-9.20	-0.0135	>=-2.5 & <=2.5	Pass
				HV	-10.40	-0.0153	>=-2.5 & <=2.5	Pass
			-30	NV	-10.60	-0.0156	>=-2.5 & <=2.5	Pass
			-20	NV	-10.60	-0.0156	>=-2.5 & <=2.5	Pass
			-10	NV	-14.00	-0.0206	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0119	>=-2.5 & <=2.5	Pass
			10	NV	-12.00	-0.0176	>=-2.5 & <=2.5	Pass
			20	NV	-14.40	-0.0212	>=-2.5 & <=2.5	Pass
			30	NV	-13.80	-0.0203	>=-2.5 & <=2.5	Pass
			40	NV	-10.50	-0.0154	>=-2.5 & <=2.5	Pass
			50	NV	-12.30	-0.0181	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	680.5	Outer_Full	20	LV	-5.00	-0.0073	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0068	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0076	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0116	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0085	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0138	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0060	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
			30	NV	-8.30	-0.0122	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0094	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	680.5	Outer_Full	20	LV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0109	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0115	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0122	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0094	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0044	>=-2.5 & <=2.5	Pass
			20	NV	-9.30	-0.0137	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0079	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	20	LV	-9.60	-0.0141	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0119	>=-2.5 & <=2.5	Pass

			-30	NV	-7.80	-0.0115	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0110	>=-2.5 & <=2.5	Pass
			0	NV	-7.30	-0.0107	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0084	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
			50	NV	-7.20	-0.0106	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	20	LV	-9.60	-0.0141	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0079	>=-2.5 & <=2.5	Pass
			-20	NV	-9.40	-0.0138	>=-2.5 & <=2.5	Pass
			-10	NV	-8.80	-0.0129	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0079	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass
			20	NV	-9.40	-0.0138	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0082	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	40	NV	-8.70	-0.0128	>=-2.5 & <=2.5	Pass
			50	NV	-11.30	-0.0166	>=-2.5 & <=2.5	Pass
			20	LV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
				HV	-11.70	-0.0172	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0090	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass
			-10	NV	-2.60	-0.0038	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0106	>=-2.5 & <=2.5	Pass
			30	NV	-11.60	-0.0170	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
			50	NV	-9.10	-0.0134	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n71 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	665.5	Outer_Full	4.59	5.32	/	Pass
	680.5	Outer_Full	4.58	5.33	/	Pass
	695.5	Outer_Full	4.56	5.19	/	Pass
DFT-s-OFDM QPSK	665.5	Outer_Full	4.57	5.24	/	Pass
	680.5	Outer_Full	4.59	5.41	/	Pass
	695.5	Outer_Full	4.56	5.37	/	Pass
DFT-s-OFDM 16 QAM	665.5	Outer_Full	4.60	5.44	/	Pass
	680.5	Outer_Full	4.60	5.42	/	Pass
	695.5	Outer_Full	4.57	5.33	/	Pass
DFT-s-OFDM 64 QAM	665.5	Outer_Full	4.55	5.28	/	Pass
	680.5	Outer_Full	4.59	5.35	/	Pass
	695.5	Outer_Full	4.58	5.36	/	Pass
DFT-s-OFDM 256 QAM	665.5	Outer_Full	4.57	5.37	/	Pass
	680.5	Outer_Full	4.56	5.39	/	Pass
	695.5	Outer_Full	4.58	5.38	/	Pass

CP-OFDM QPSK	665.5	Outer_Full	4.56	5.35	/	Pass
	680.5	Outer_Full	4.57	5.38	/	Pass
	695.5	Outer_Full	4.54	5.43	/	Pass
CP-OFDM 16 QAM	665.5	Outer_Full	4.59	5.31	/	Pass
	680.5	Outer_Full	4.58	5.37	/	Pass
	695.5	Outer_Full	4.60	5.45	/	Pass
CP-OFDM 64 QAM	665.5	Outer_Full	4.54	5.29	/	Pass
	680.5	Outer_Full	4.54	5.35	/	Pass
	695.5	Outer_Full	4.52	5.23	/	Pass
CP-OFDM 256 QAM	665.5	Outer_Full	4.56	5.36	/	Pass
	680.5	Outer_Full	4.58	5.44	/	Pass
	695.5	Outer_Full	4.55	5.40	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

5G NR n71 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	668	Outer_Full	8.98	9.93	/	Pass
	680.5	Outer_Full	9.00	9.92	/	Pass
	693	Outer_Full	9.03	9.91	/	Pass
DFT-s-OFDM QPSK	668	Outer_Full	9.02	9.99	/	Pass
	680.5	Outer_Full	9.06	10.06	/	Pass
	693	Outer_Full	9.07	10.04	/	Pass
DFT-s-OFDM 16 QAM	668	Outer_Full	9.02	9.87	/	Pass
	680.5	Outer_Full	9.04	9.92	/	Pass
	693	Outer_Full	9.05	9.97	/	Pass
DFT-s-OFDM 64 QAM	668	Outer_Full	9.03	9.92	/	Pass
	680.5	Outer_Full	9.05	9.99	/	Pass
	693	Outer_Full	9.06	9.93	/	Pass
DFT-s-OFDM 256 QAM	668	Outer_Full	8.99	9.93	/	Pass
	680.5	Outer_Full	9.03	10.00	/	Pass
	693	Outer_Full	9.05	10.11	/	Pass
CP-OFDM QPSK	668	Outer_Full	9.36	10.36	/	Pass
	680.5	Outer_Full	9.40	10.47	/	Pass
	693	Outer_Full	9.38	10.41	/	Pass
CP-OFDM 16 QAM	668	Outer_Full	9.37	10.34	/	Pass
	680.5	Outer_Full	9.38	10.42	/	Pass
	693	Outer_Full	9.41	10.41	/	Pass
CP-OFDM 64 QAM	668	Outer_Full	9.31	10.24	/	Pass
	680.5	Outer_Full	9.36	10.28	/	Pass
	693	Outer_Full	9.34	10.34	/	Pass
CP-OFDM 256 QAM	668	Outer_Full	9.34	10.33	/	Pass
	680.5	Outer_Full	9.36	10.41	/	Pass
	693	Outer_Full	9.38	10.46	/	Pass

3.1.3 15k_SISO_15MHz_NTNV

5G NR n71 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	670.5	Outer_Full	13.50	14.74	/	Pass
	680.5	Outer_Full	13.59	14.84	/	Pass
	690.5	Outer_Full	13.50	14.78	/	Pass
DFT-s-OFDM QPSK	670.5	Outer_Full	13.61	14.94	/	Pass
	680.5	Outer_Full	13.65	14.92	/	Pass

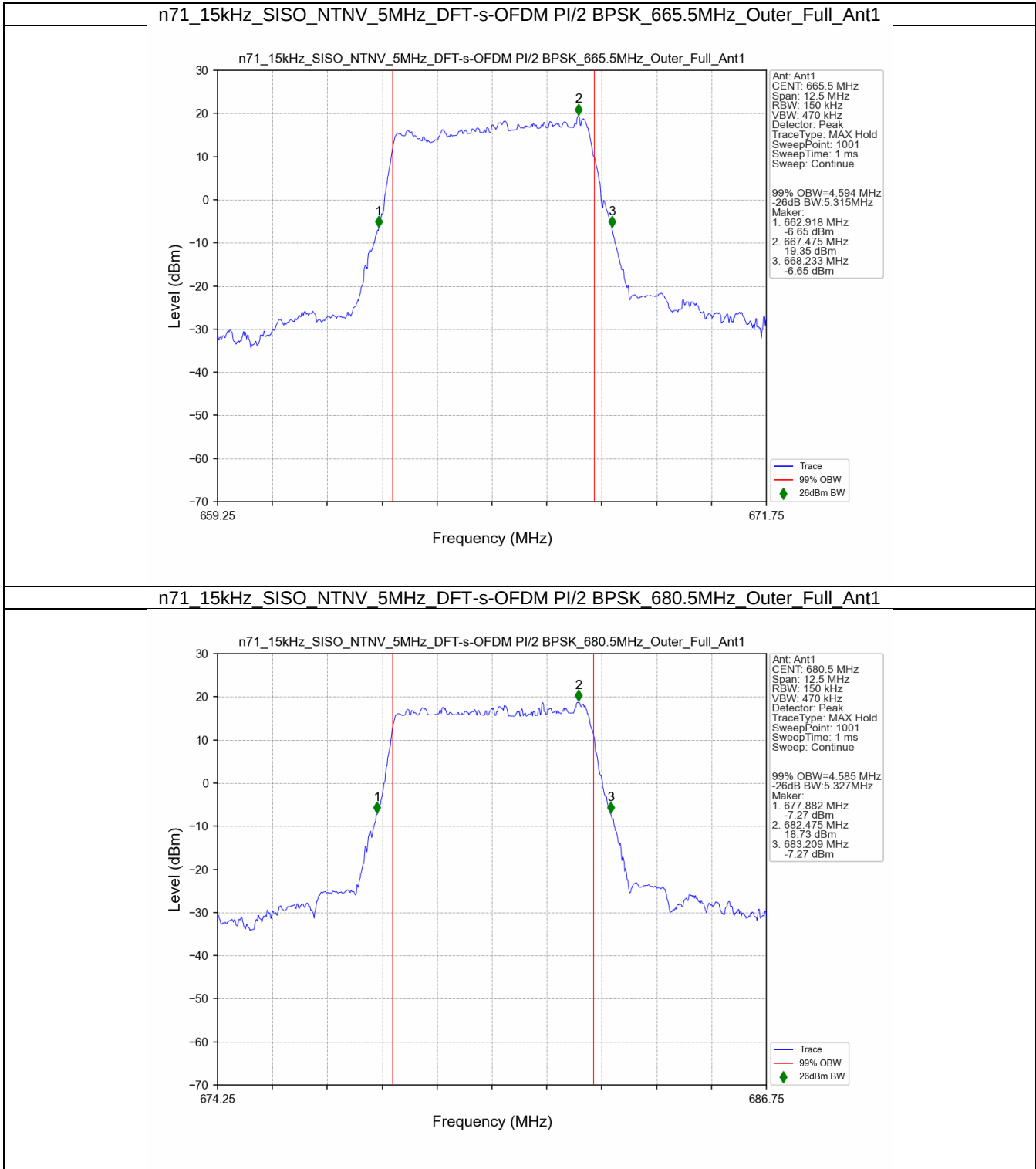
	690.5	Outer_Full	13.60	14.98	/	Pass
DFT-s-OFDM 16 QAM	670.5	Outer_Full	13.56	14.75	/	Pass
	680.5	Outer_Full	13.64	14.90	/	Pass
	690.5	Outer_Full	13.58	14.81	/	Pass
	670.5	Outer_Full	13.50	14.67	/	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	13.57	14.81	/	Pass
	690.5	Outer_Full	13.46	14.76	/	Pass
	670.5	Outer_Full	13.56	14.79	/	Pass
DFT-s-OFDM 256 QAM	680.5	Outer_Full	13.63	14.75	/	Pass
	690.5	Outer_Full	13.57	14.81	/	Pass
	670.5	Outer_Full	14.22	15.51	/	Pass
CP-OFDM QPSK	680.5	Outer_Full	14.30	15.51	/	Pass
	690.5	Outer_Full	14.26	15.48	/	Pass
	670.5	Outer_Full	14.18	15.48	/	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	14.27	15.57	/	Pass
	690.5	Outer_Full	14.25	15.52	/	Pass
	670.5	Outer_Full	14.21	15.46	/	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	14.28	16.24	/	Pass
	690.5	Outer_Full	14.25	15.45	/	Pass
	670.5	Outer_Full	14.20	15.49	/	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	14.26	15.49	/	Pass
	690.5	Outer_Full	14.25	15.48	/	Pass
	670.5	Outer_Full	14.25	15.48	/	Pass

3.1.4 15k_SISO_20MHz_NTNV

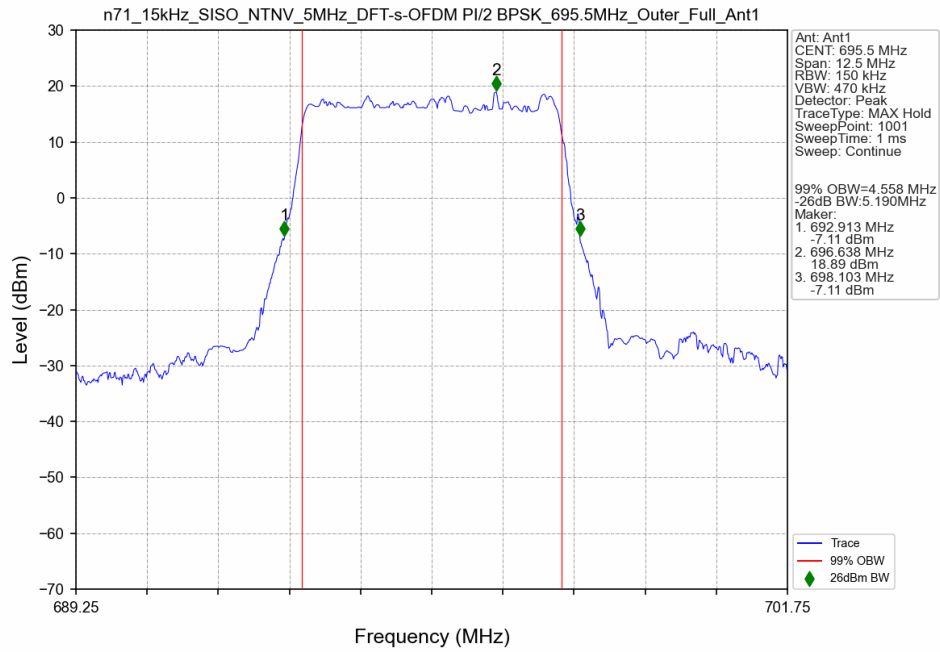
5G NR n71 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	673	Outer_Full	17.95	19.35	/	Pass
	680.5	Outer_Full	18.09	19.51	/	Pass
	688	Outer_Full	17.97	19.36	/	Pass
DFT-s-OFDM QPSK	673	Outer_Full	17.90	19.46	/	Pass
	680.5	Outer_Full	18.02	19.49	/	Pass
	688	Outer_Full	17.94	19.48	/	Pass
DFT-s-OFDM 16 QAM	673	Outer_Full	17.96	19.48	/	Pass
	680.5	Outer_Full	18.06	19.54	/	Pass
	688	Outer_Full	17.99	19.49	/	Pass
DFT-s-OFDM 64 QAM	673	Outer_Full	18.01	19.39	/	Pass
	680.5	Outer_Full	18.11	19.56	/	Pass
	688	Outer_Full	18.07	19.50	/	Pass
DFT-s-OFDM 256 QAM	673	Outer_Full	17.95	19.46	/	Pass
	680.5	Outer_Full	18.01	19.46	/	Pass
	688	Outer_Full	17.96	19.48	/	Pass
CP-OFDM QPSK	673	Outer_Full	18.99	20.58	/	Pass
	680.5	Outer_Full	19.05	20.75	/	Pass
	688	Outer_Full	18.98	20.48	/	Pass
CP-OFDM 16 QAM	673	Outer_Full	19.14	20.54	/	Pass
	680.5	Outer_Full	19.16	20.61	/	Pass
	688	Outer_Full	19.12	20.56	/	Pass
CP-OFDM 64 QAM	673	Outer_Full	19.06	20.42	/	Pass
	680.5	Outer_Full	19.13	20.54	/	Pass
	688	Outer_Full	19.04	20.48	/	Pass
CP-OFDM 256 QAM	673	Outer_Full	19.01	20.53	/	Pass
	680.5	Outer_Full	19.09	20.64	/	Pass
	688	Outer_Full	18.99	20.58	/	Pass

3.2 Test Graph

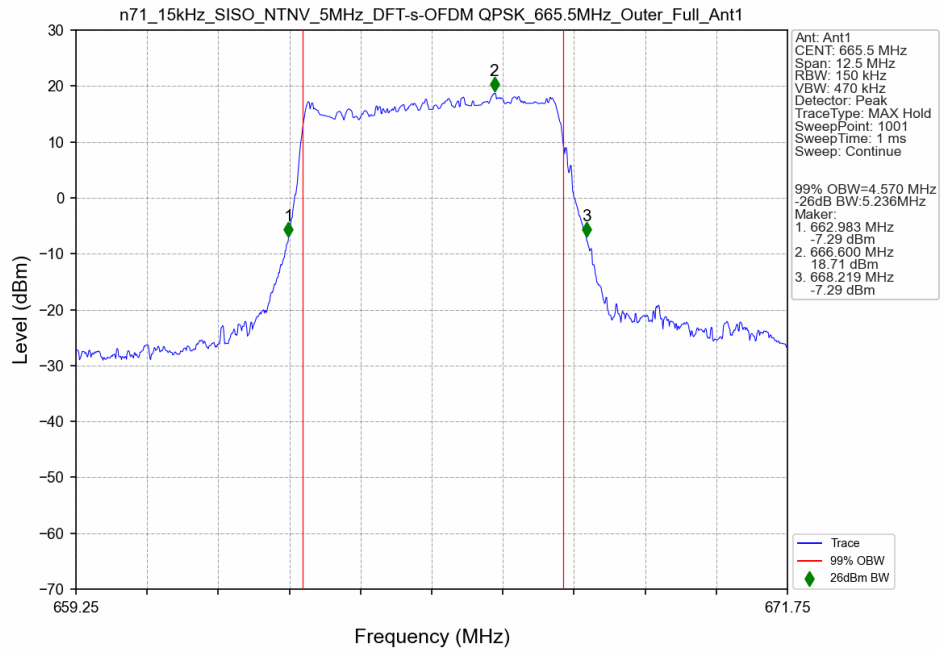
3.2.1 15k_SISO_5MHz_NTNV



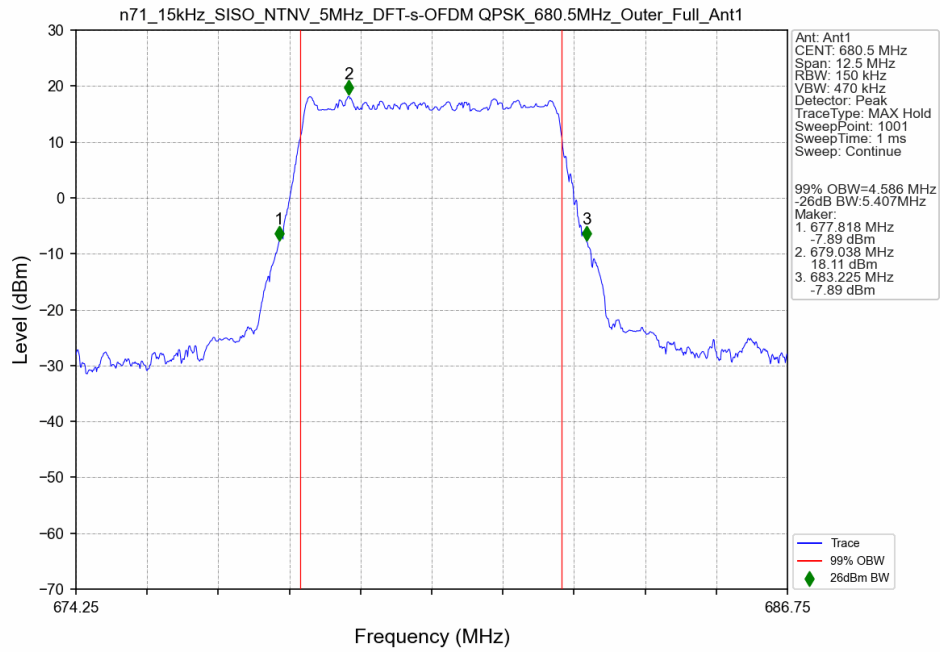
n71 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 695.5MHz Outer Full Ant1



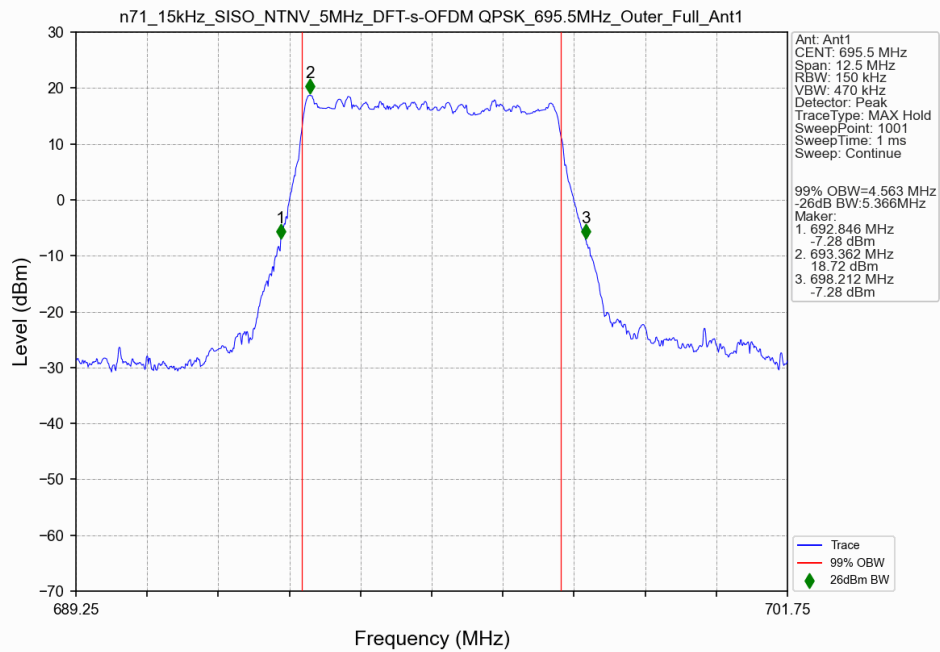
n71 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 665.5MHz Outer Full Ant1



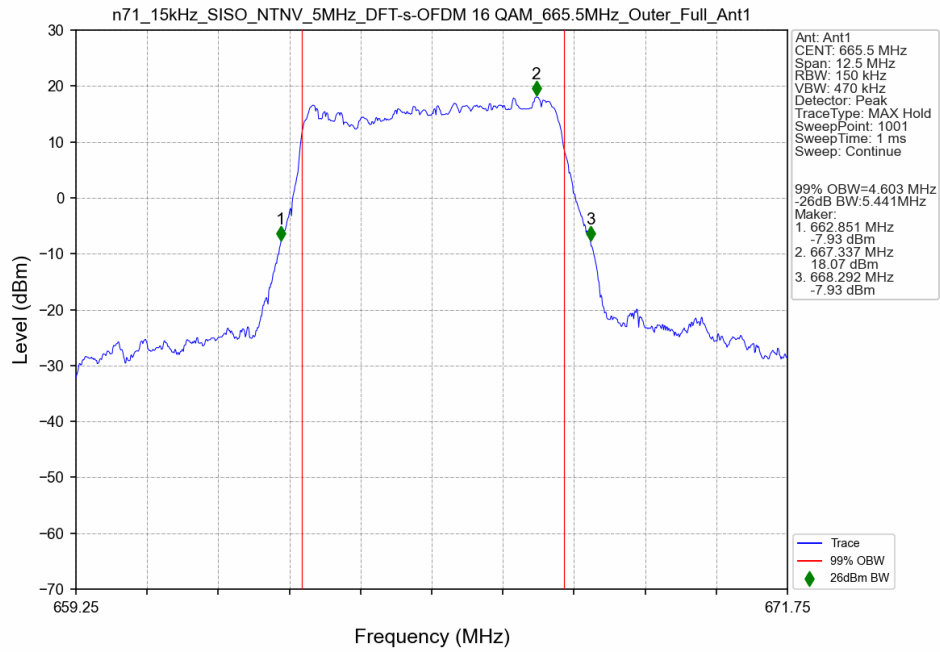
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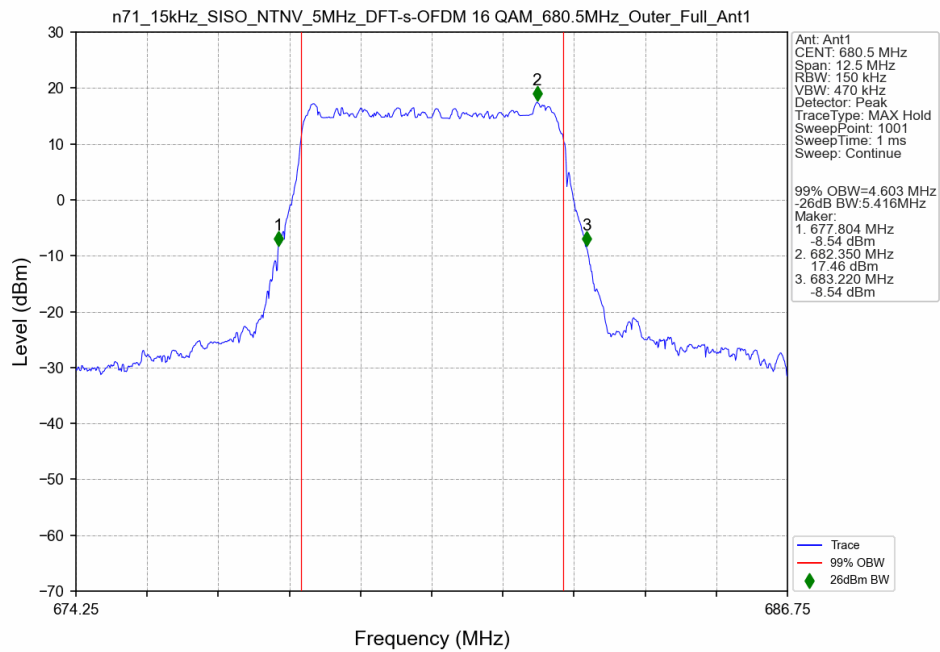
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_695.5MHz_Outer_Full_Ant1



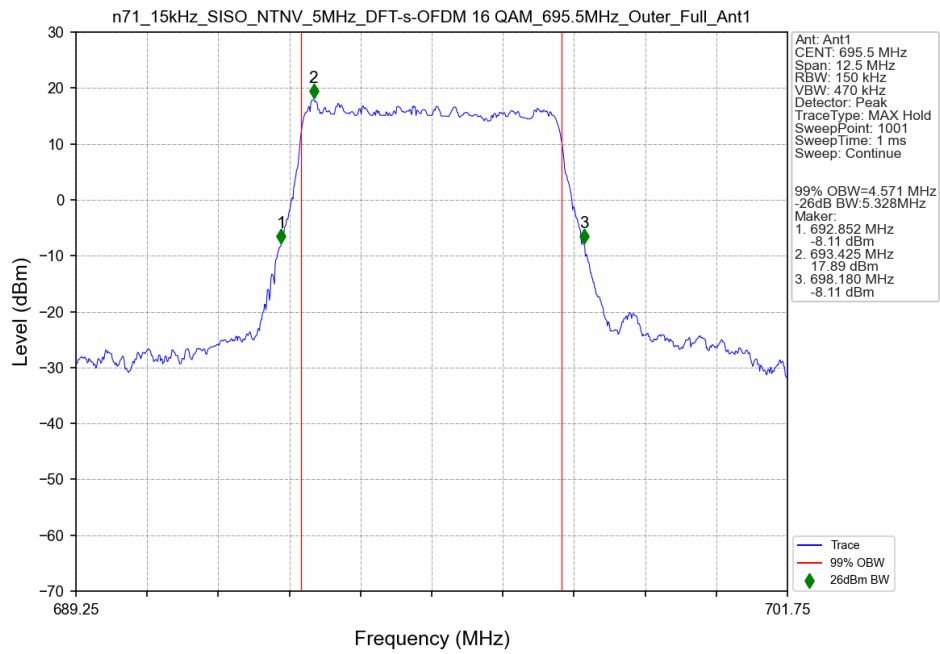
n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_665.5MHz_Outer_Full_Ant1



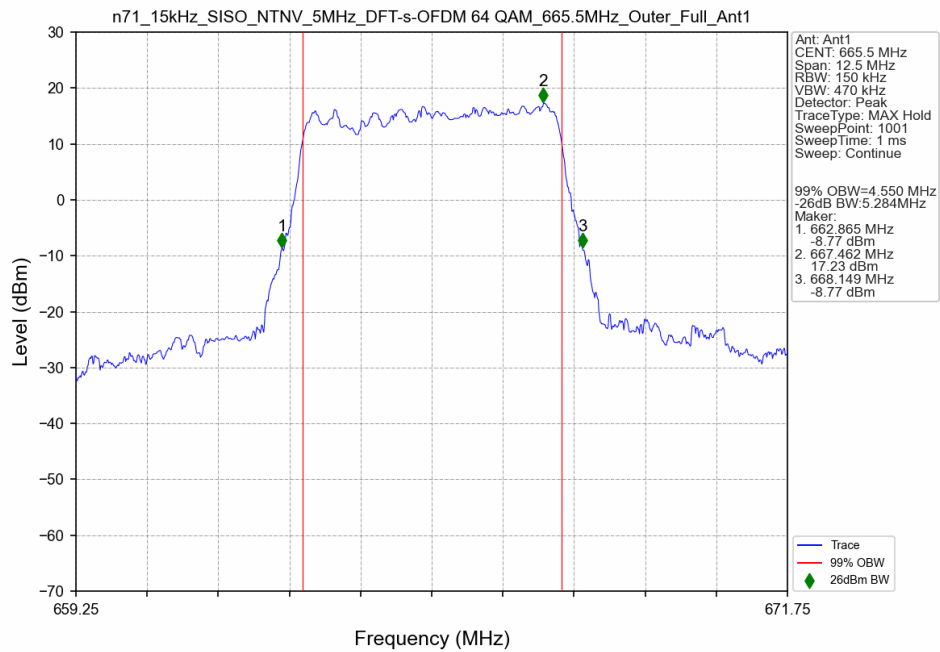
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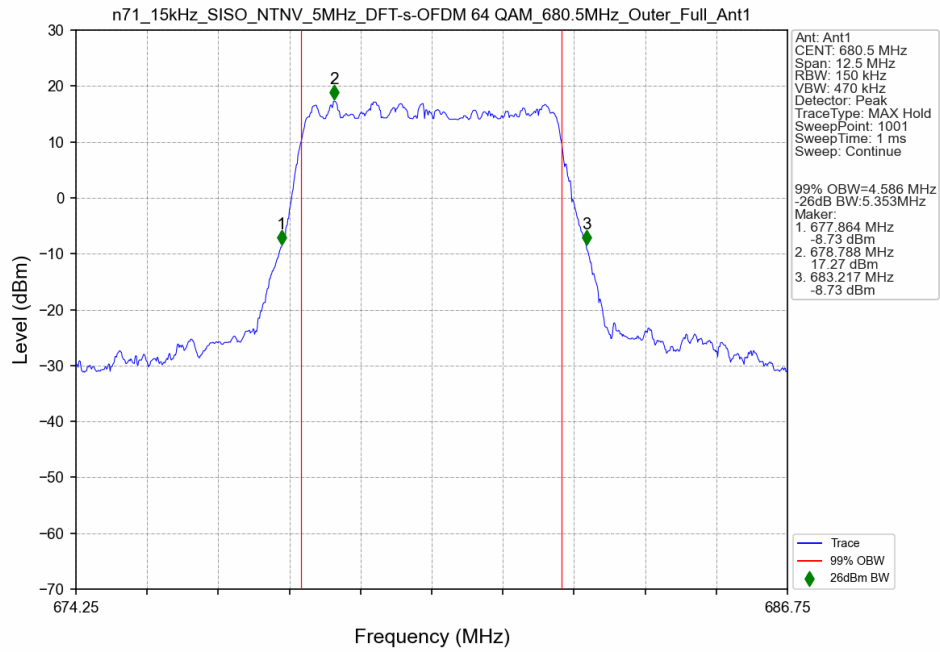
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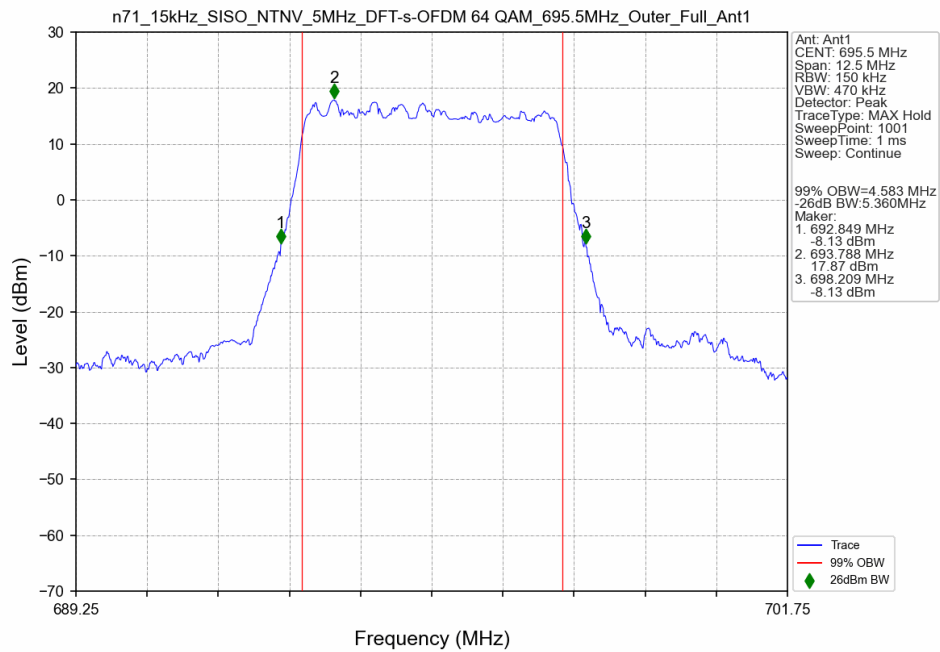
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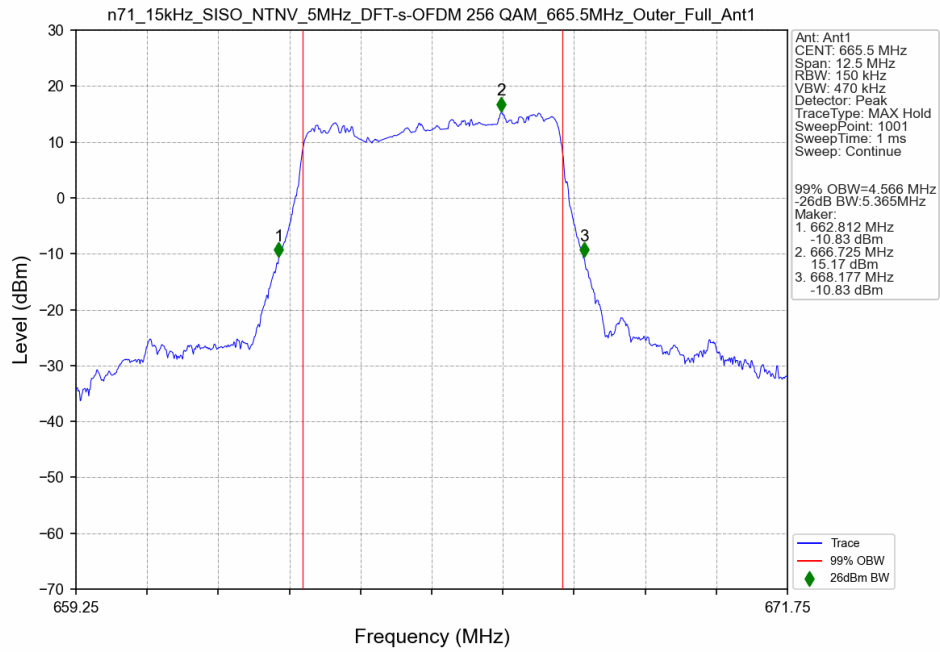
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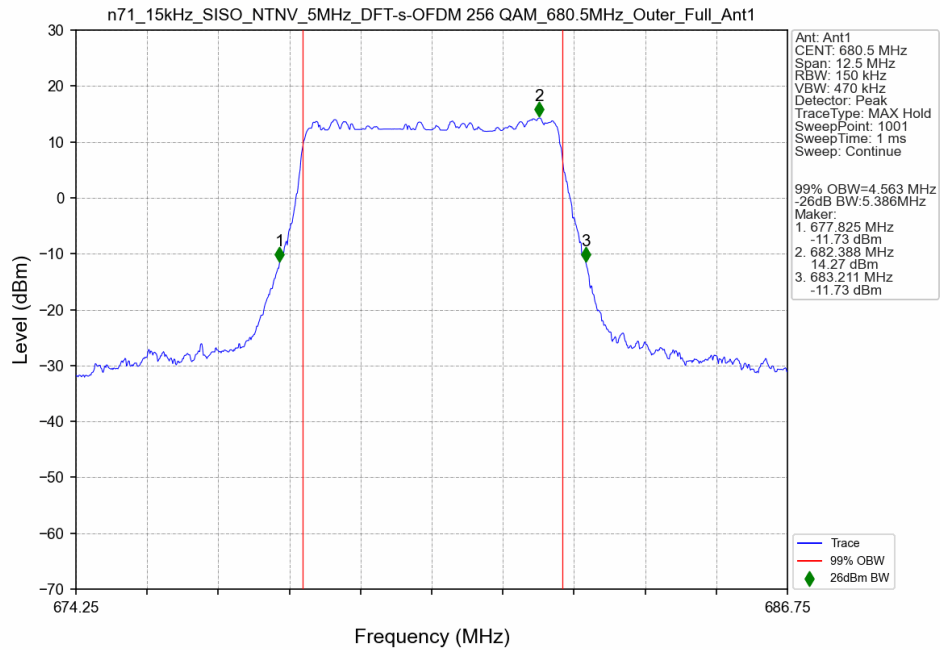
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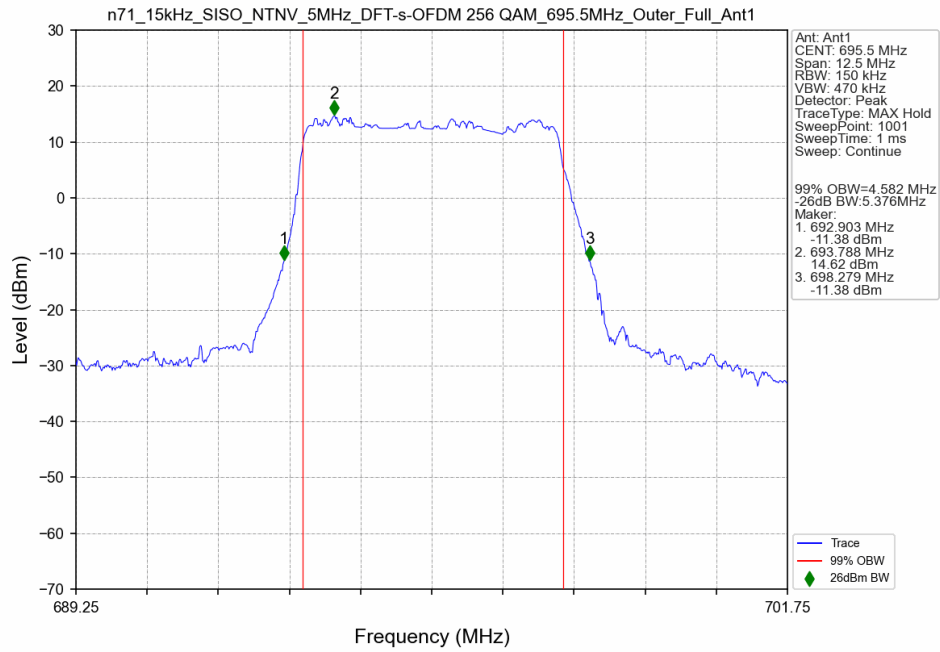
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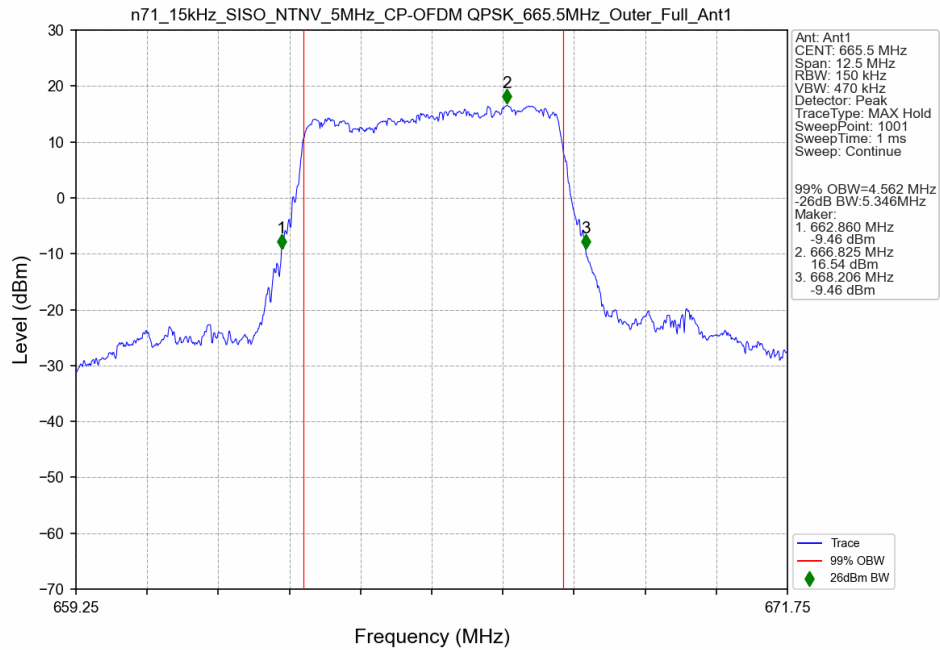
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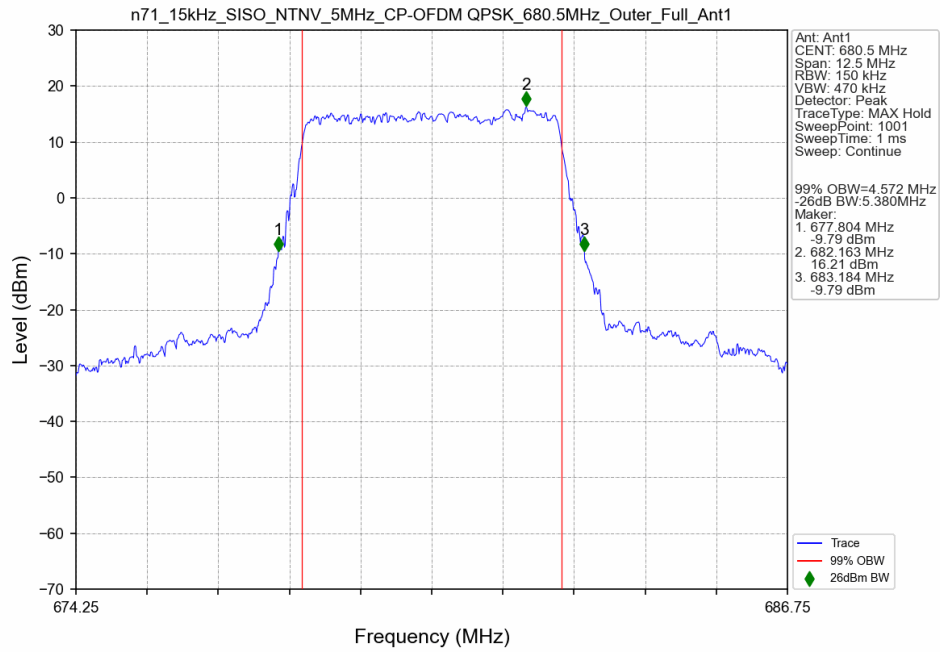
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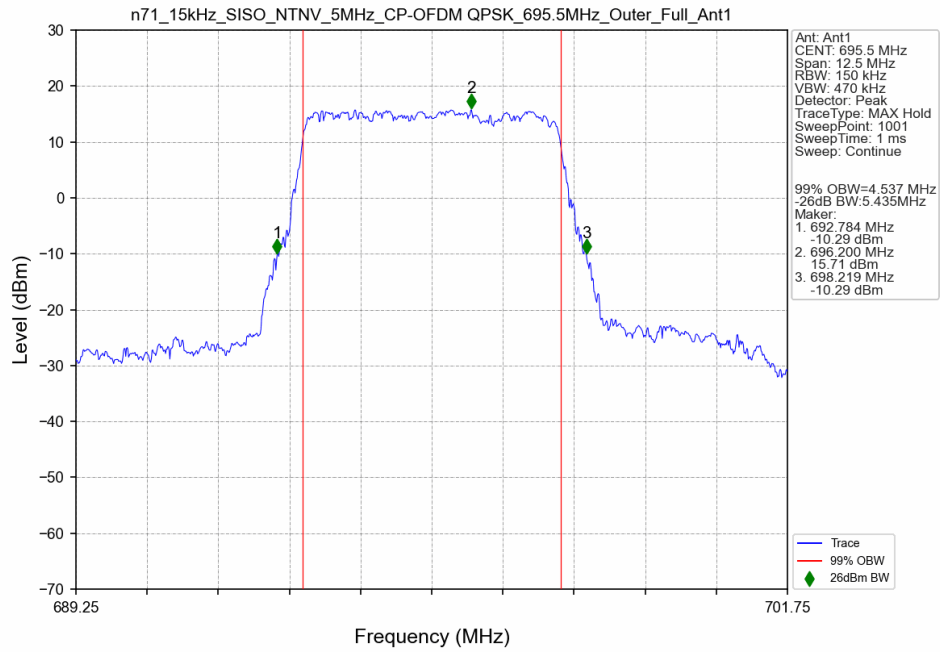
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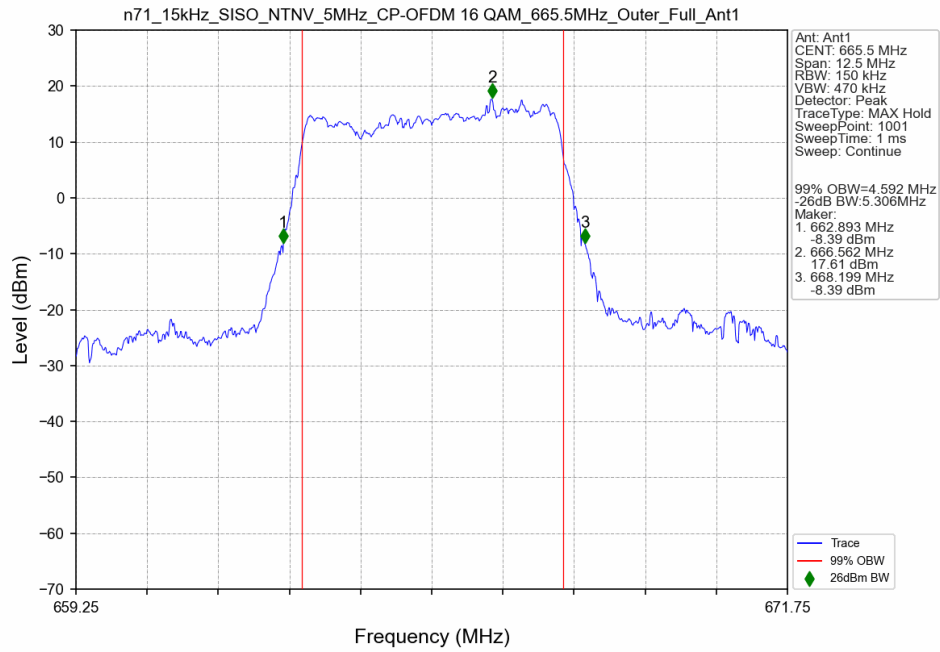
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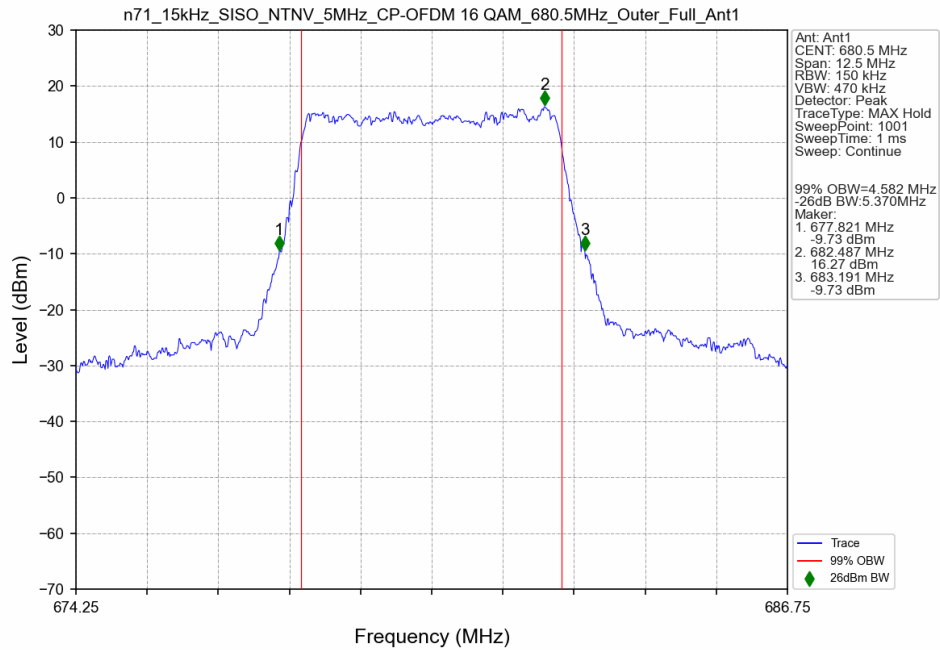
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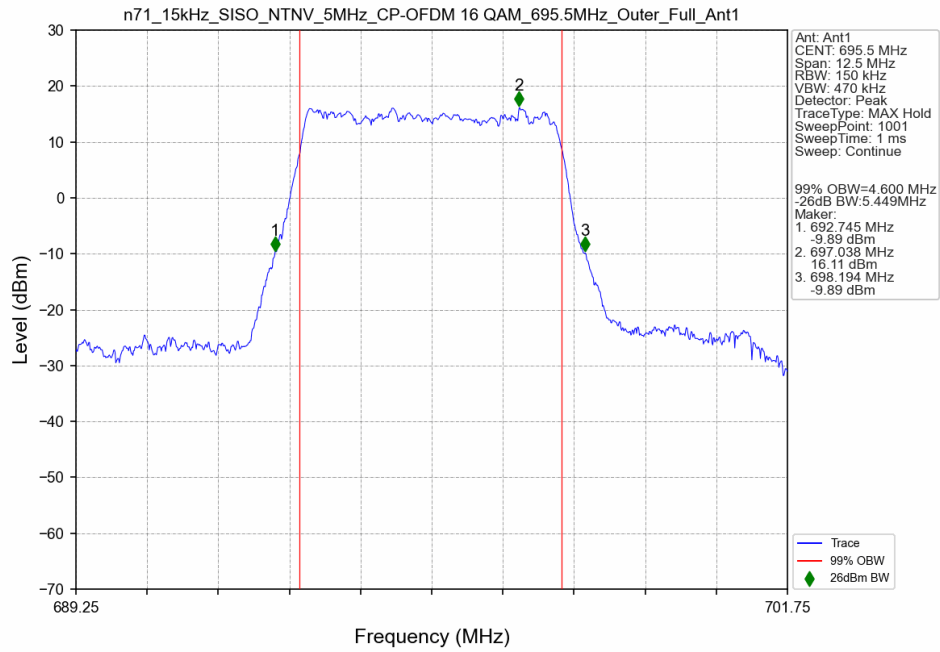
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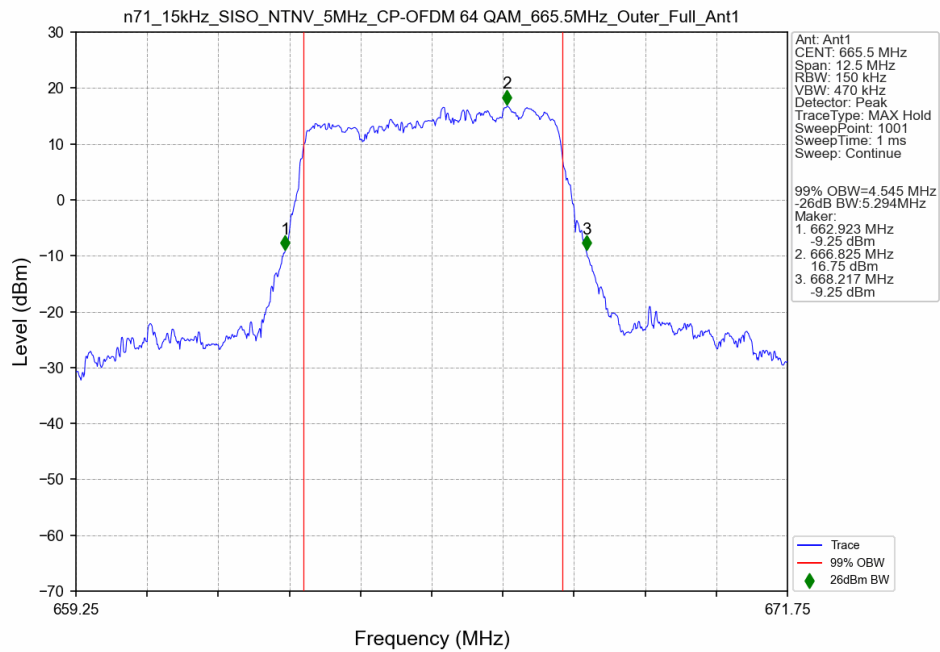
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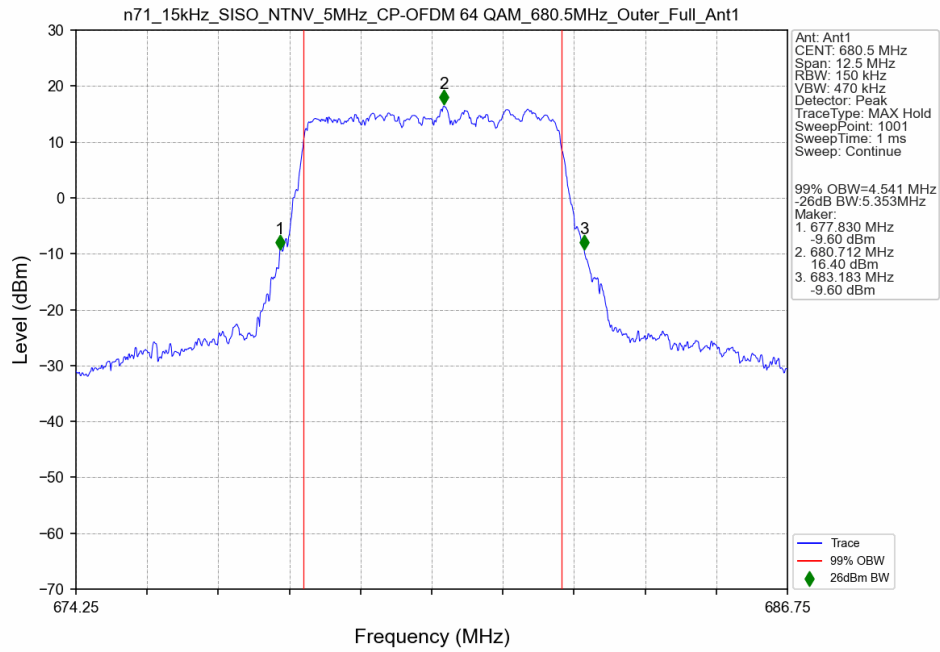
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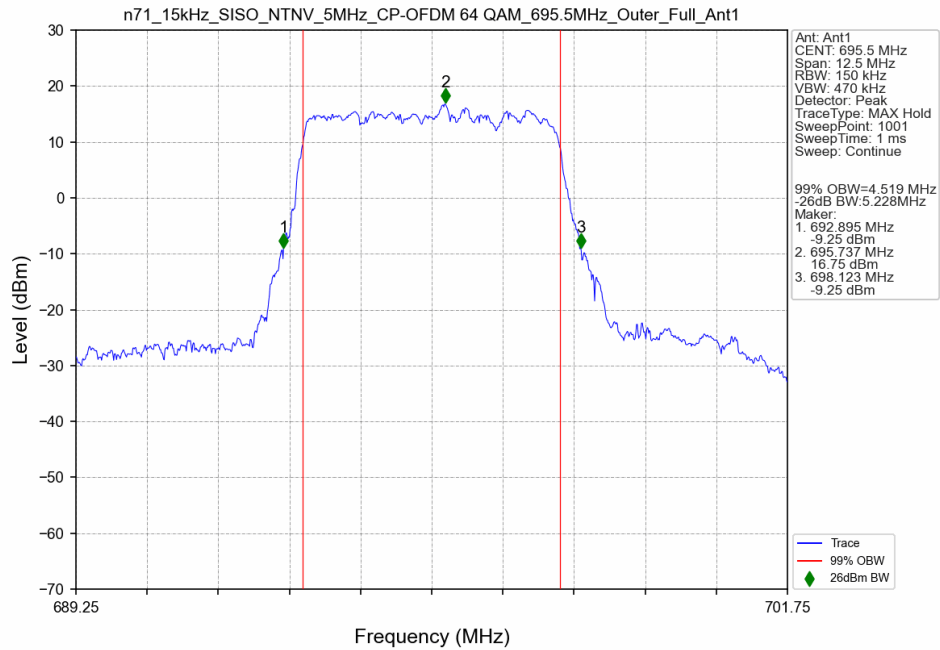
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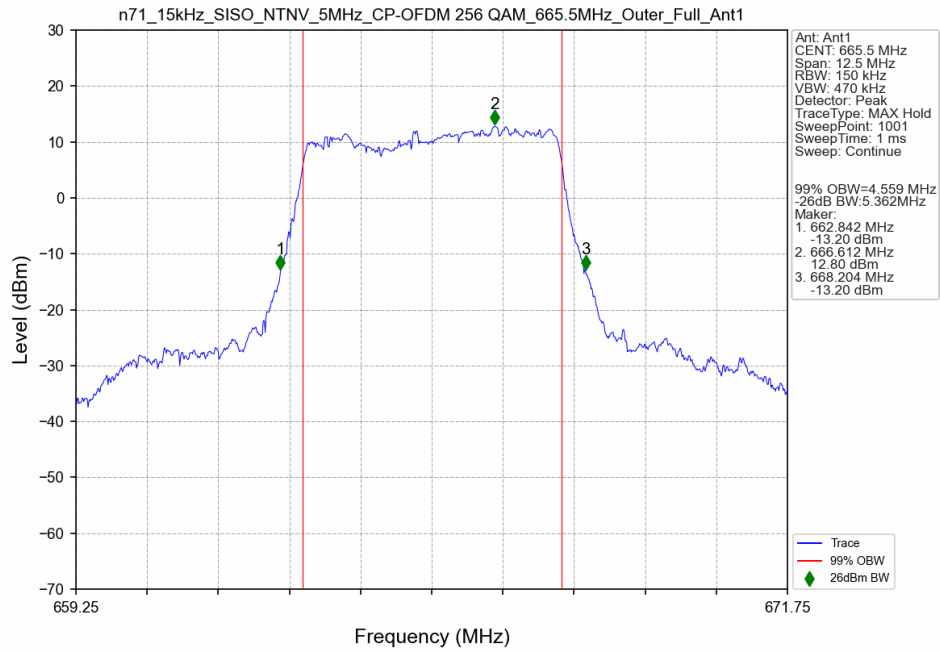
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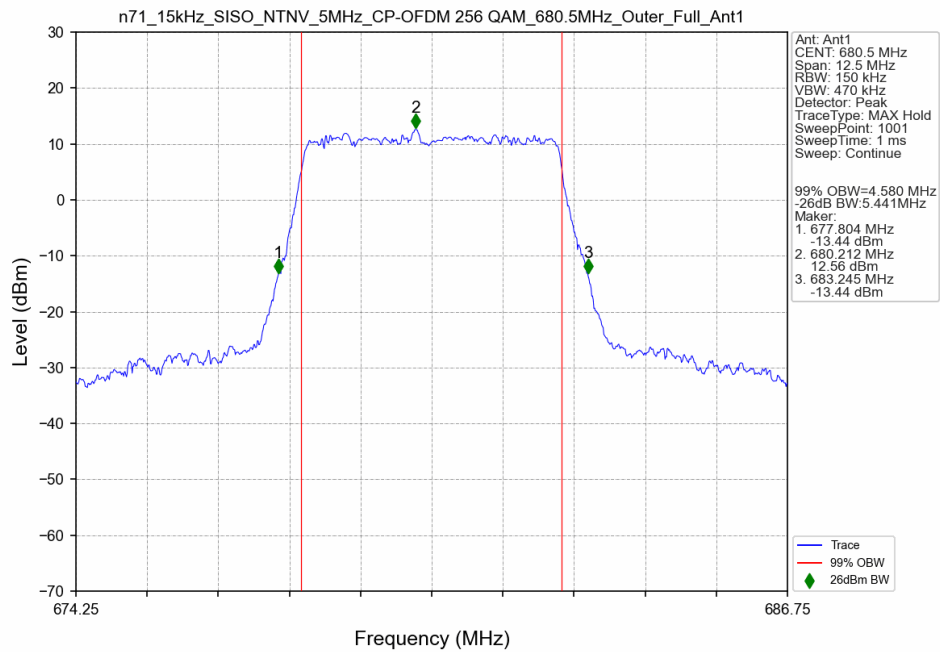
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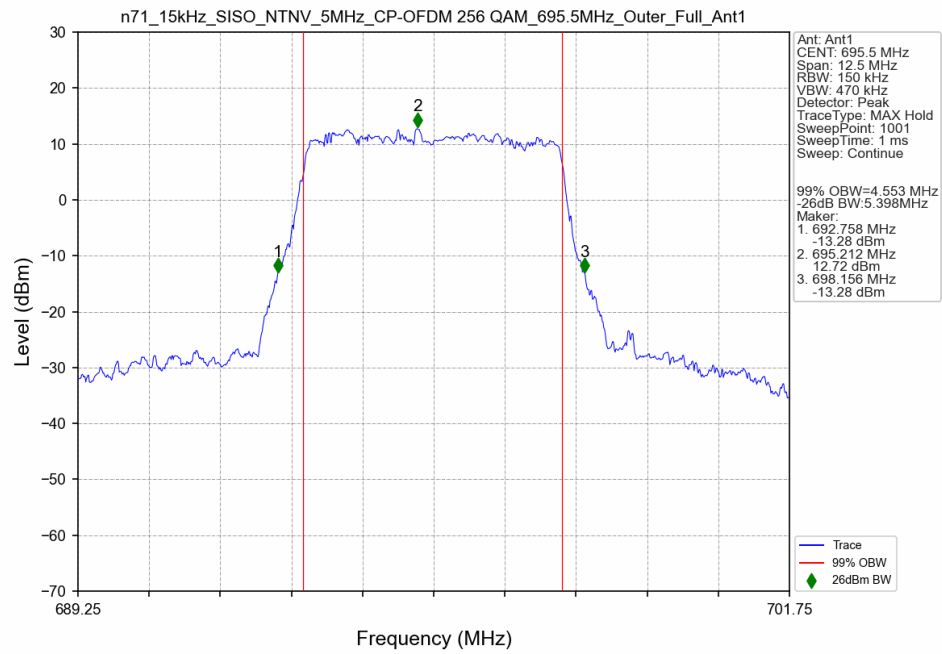
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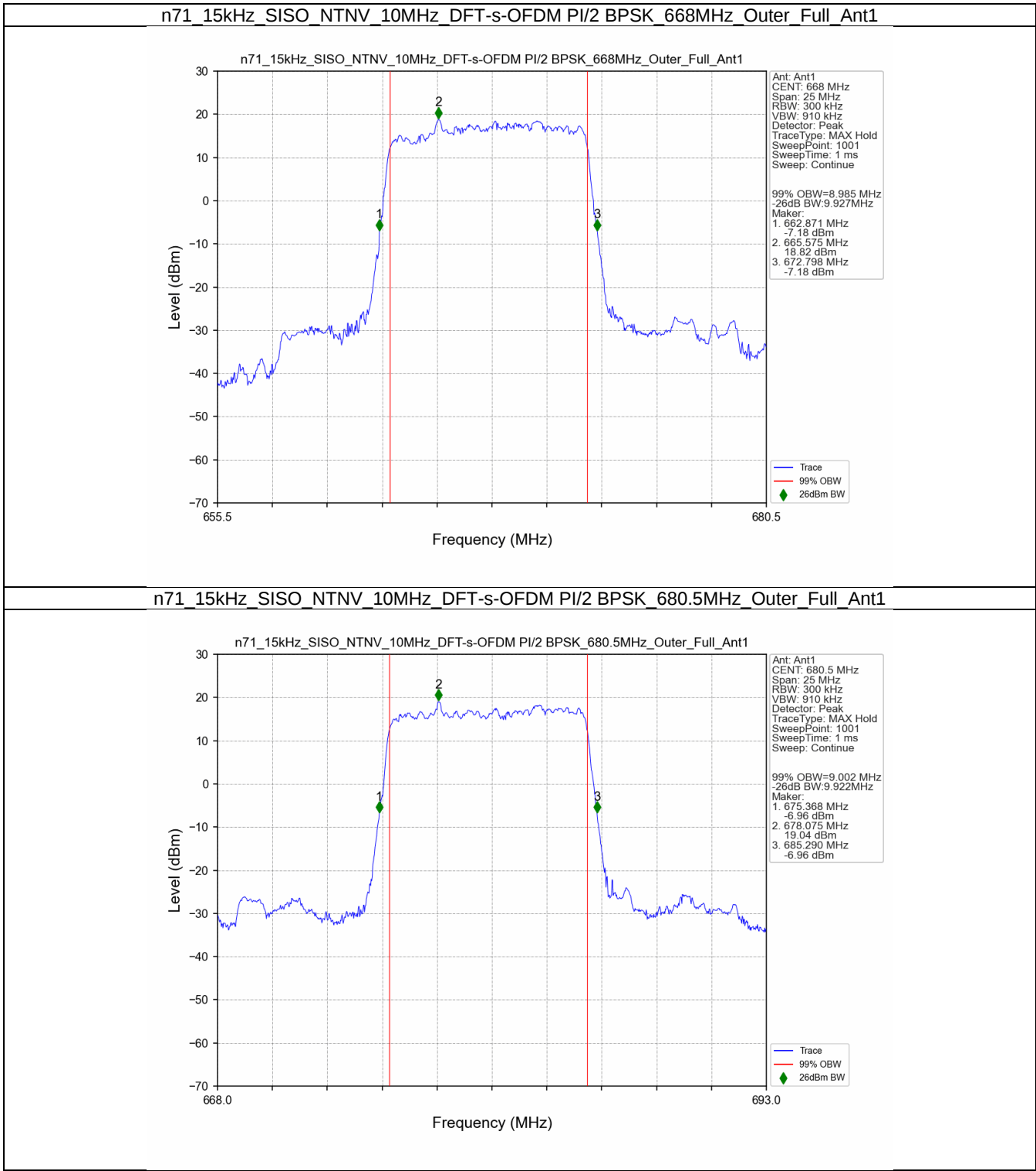
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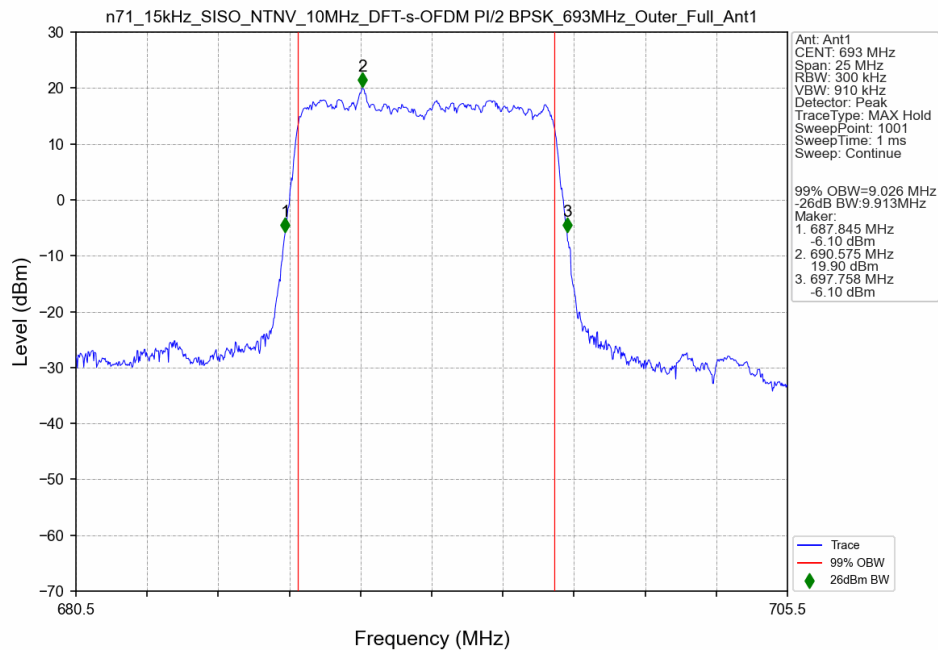
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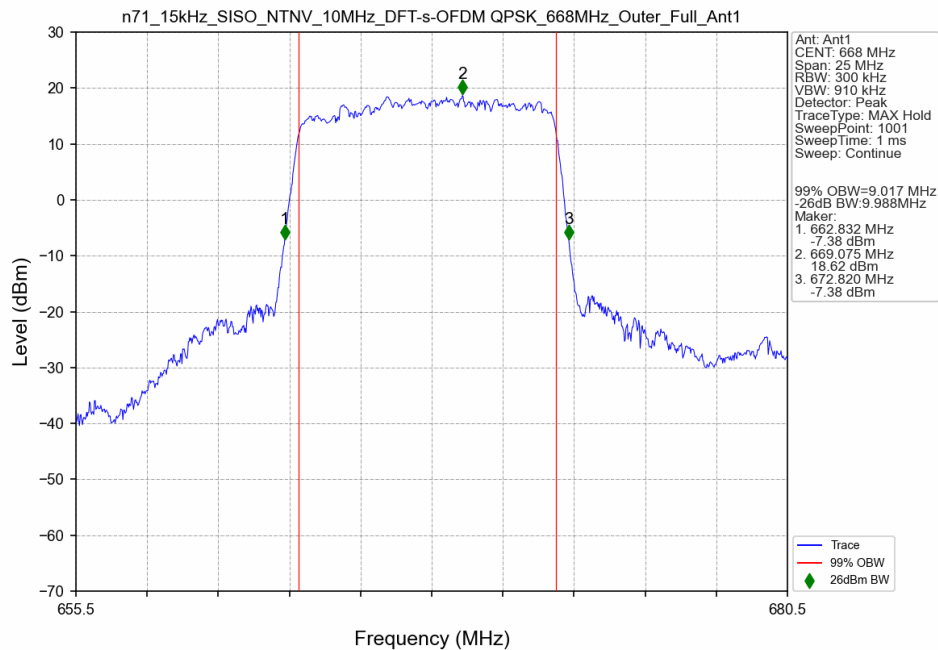
3.2.2 15k_SISO_10MHz_NTNV



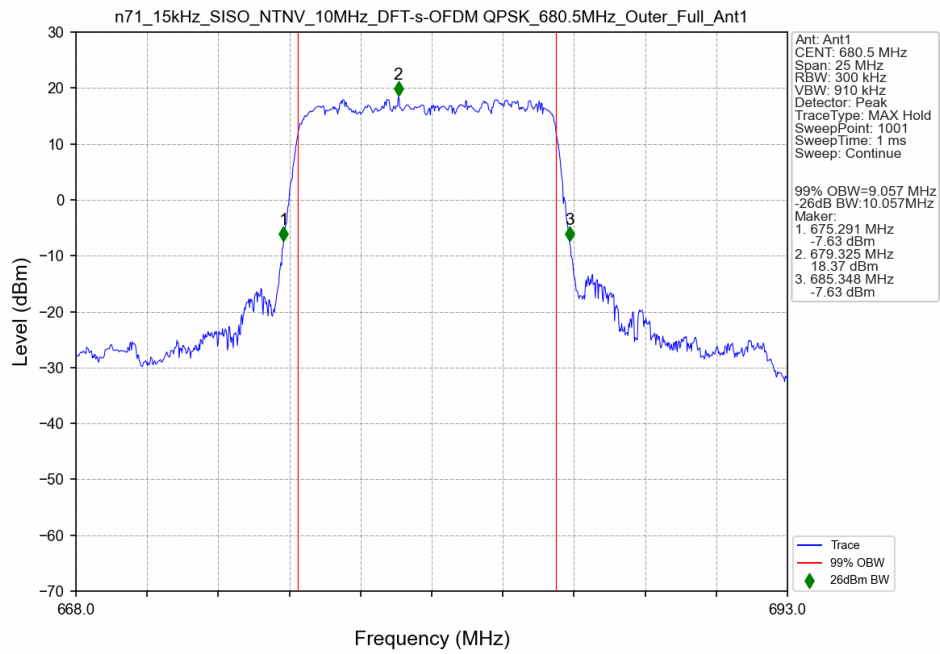
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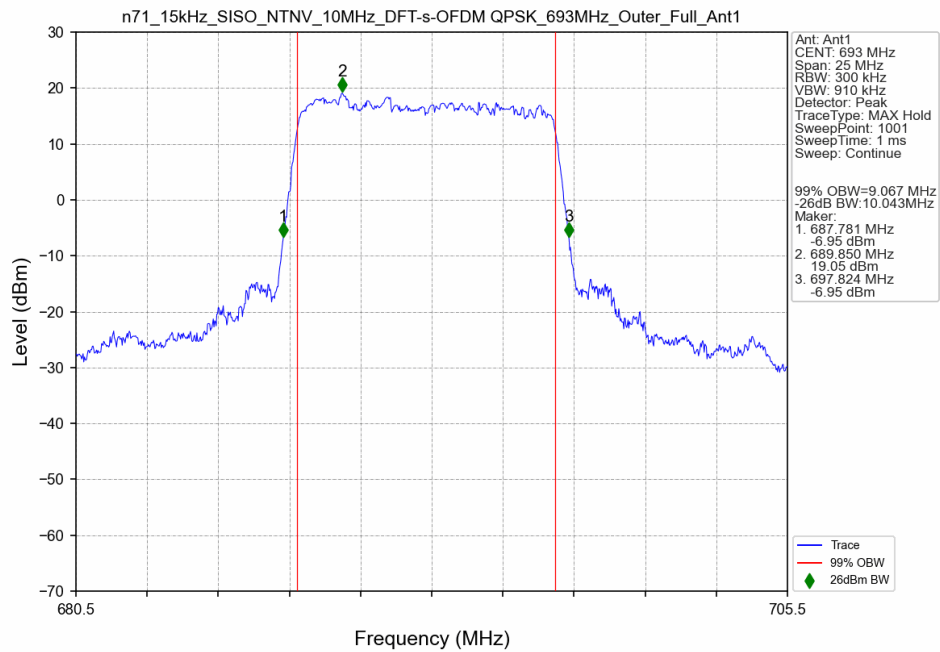
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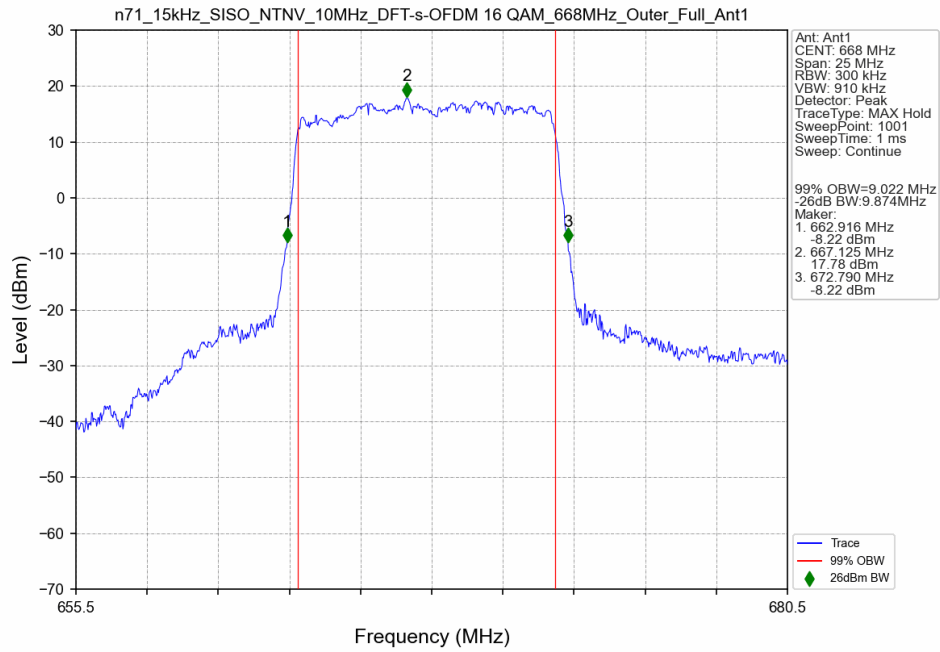
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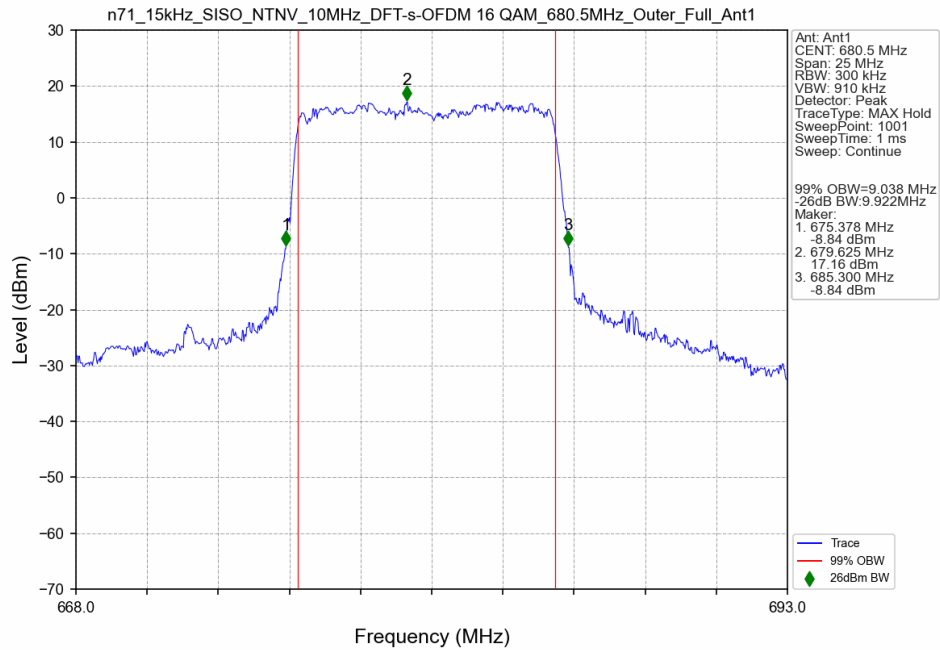
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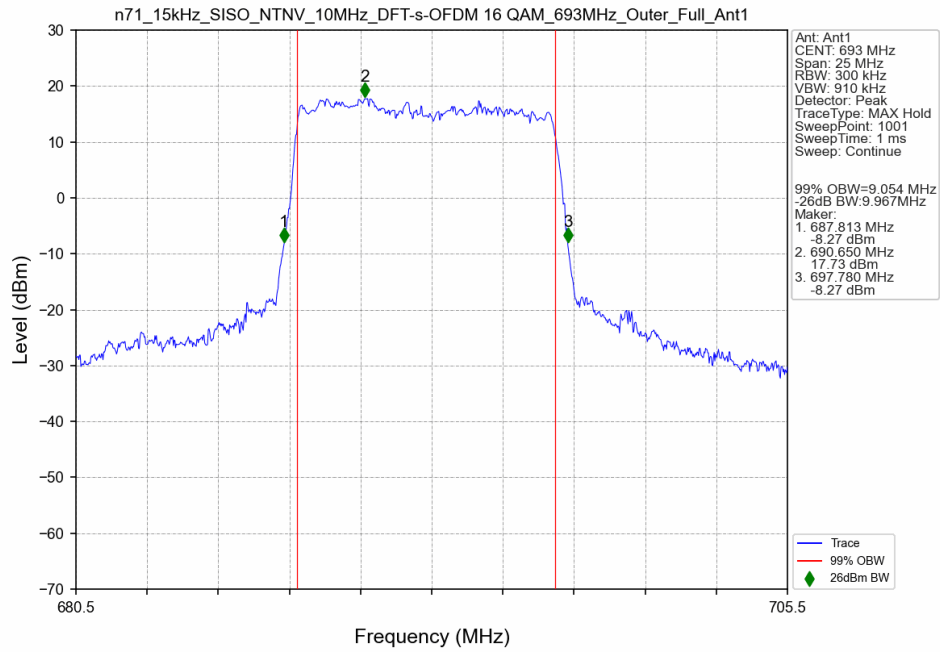
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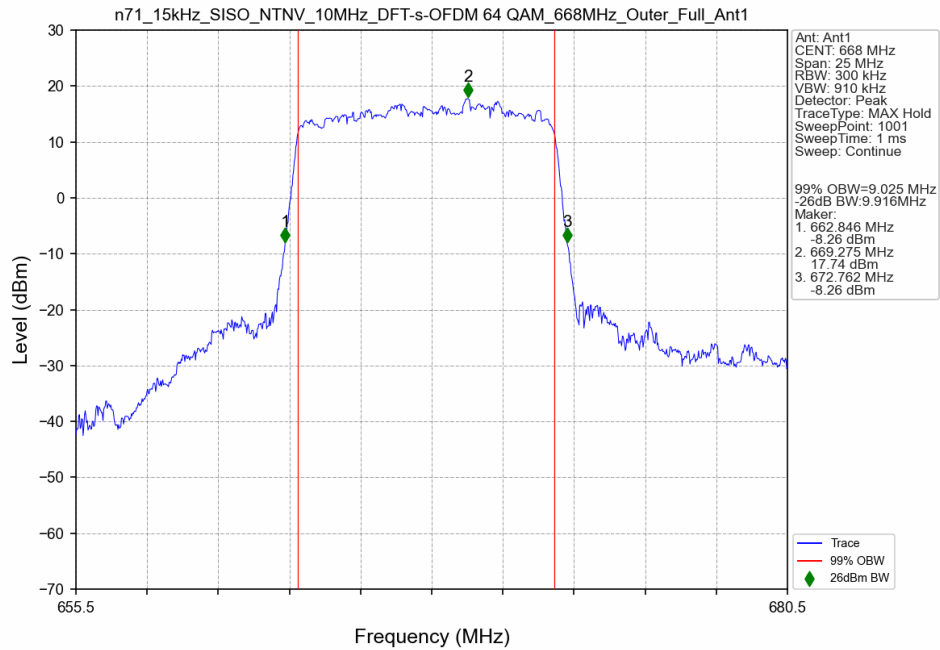
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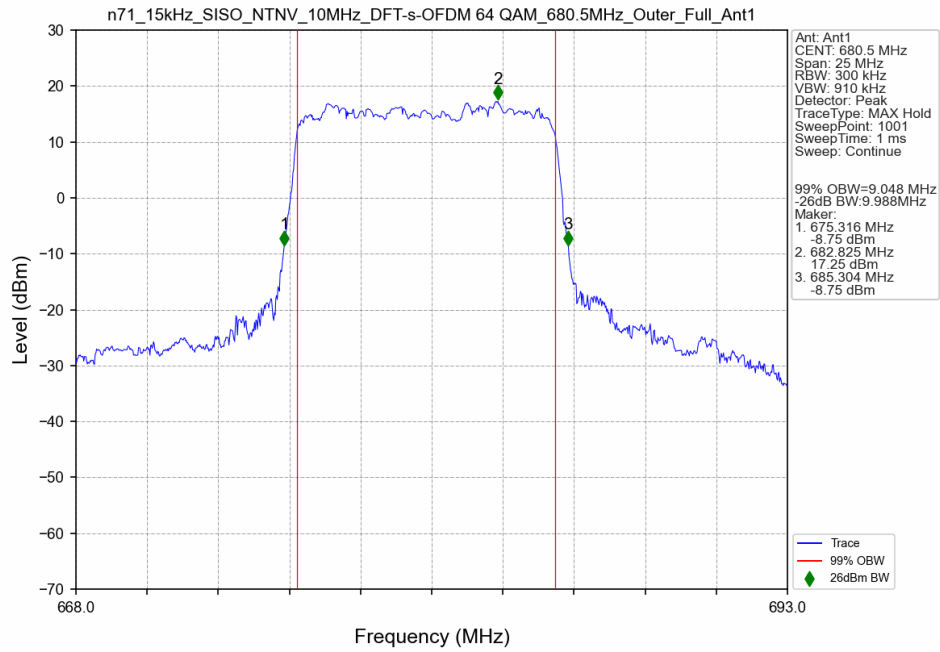
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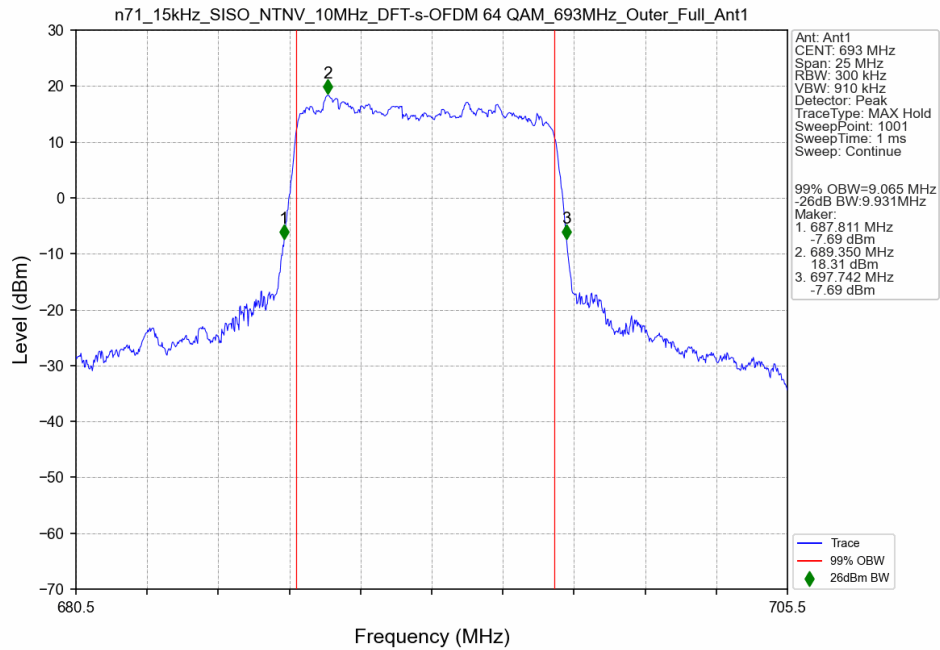
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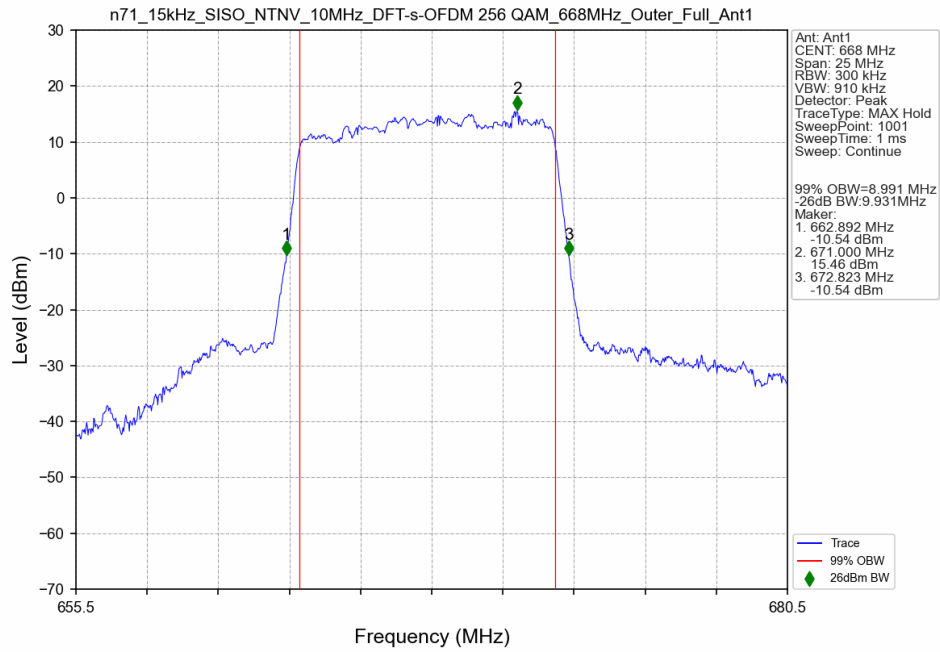
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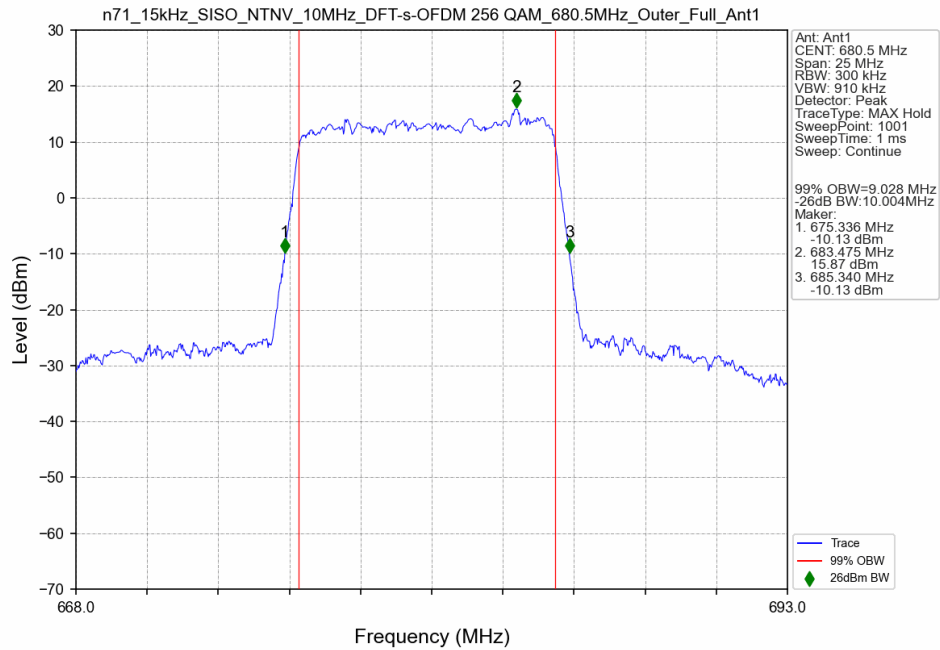
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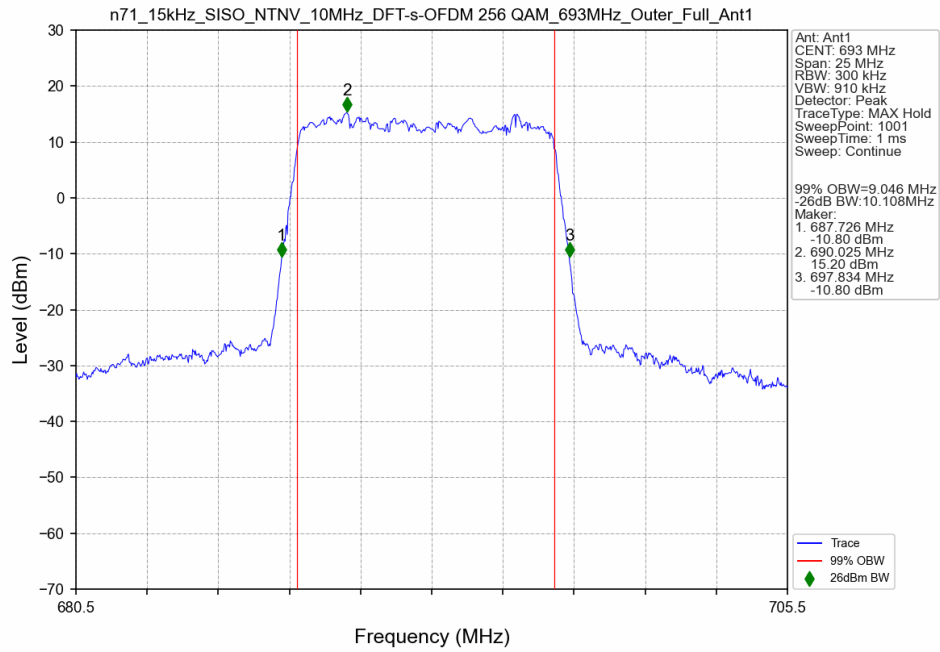
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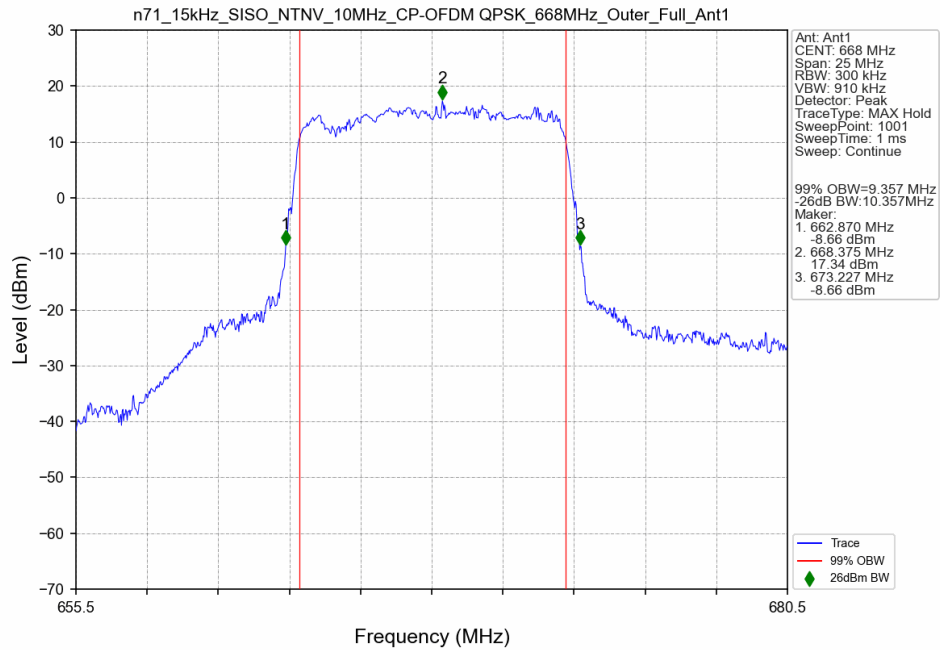
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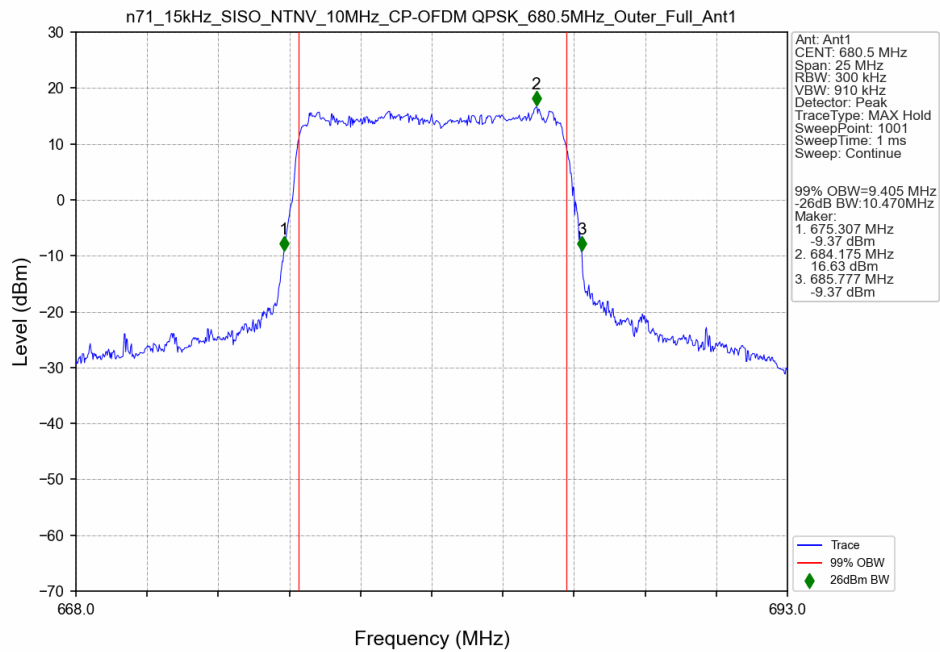
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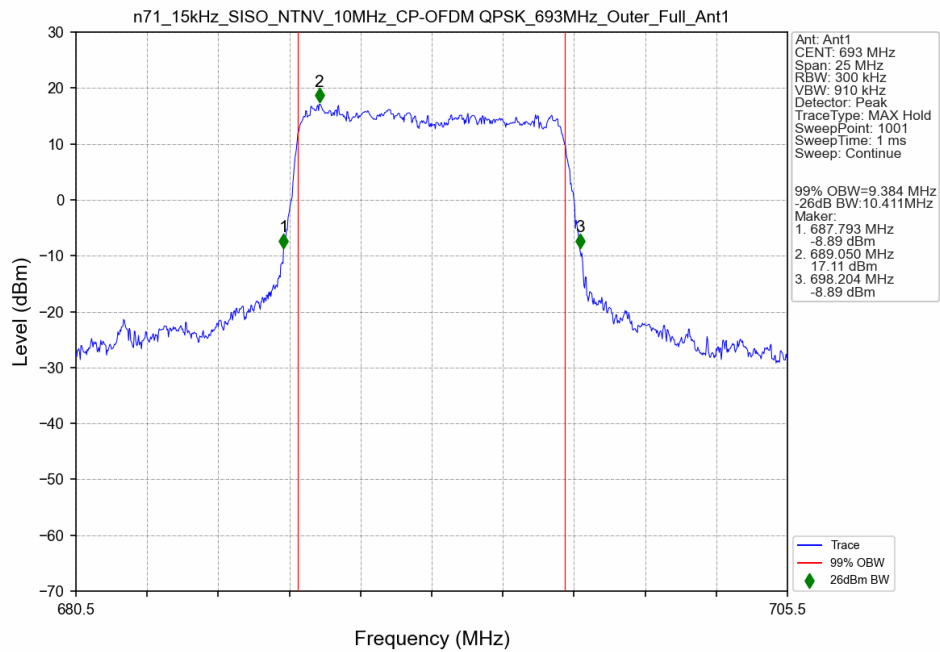
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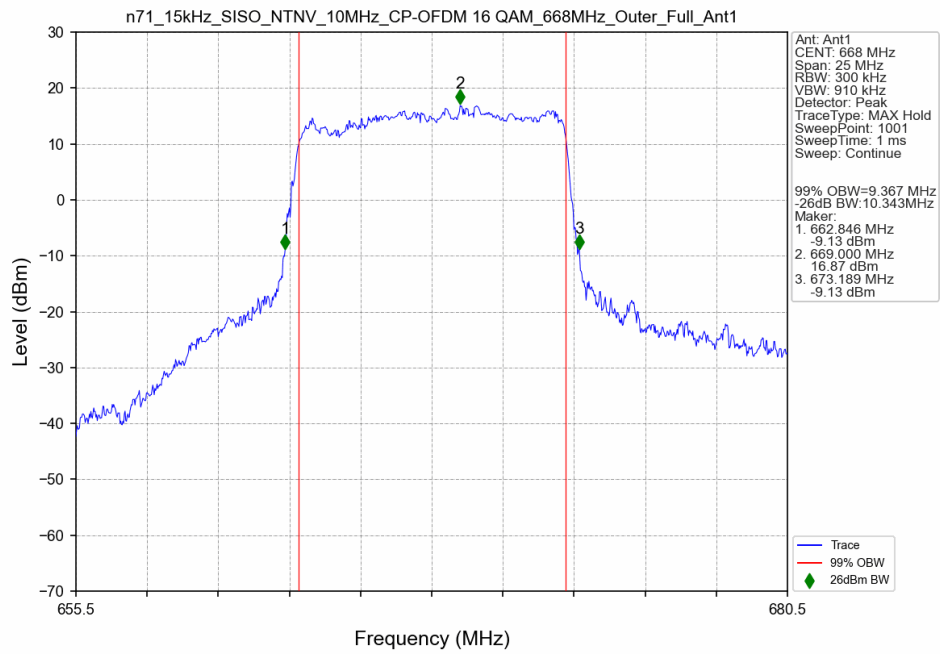
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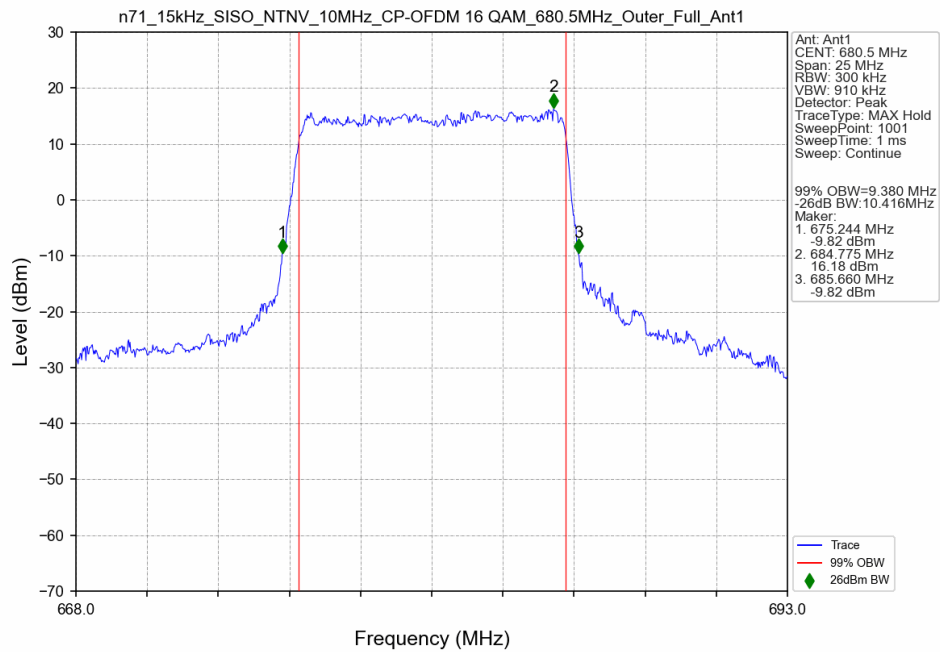
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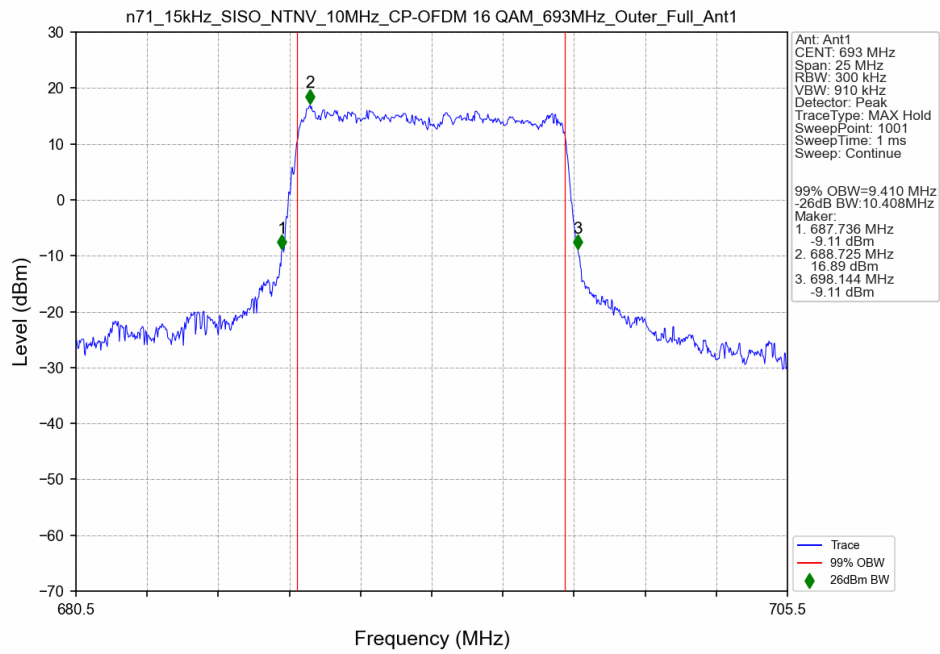
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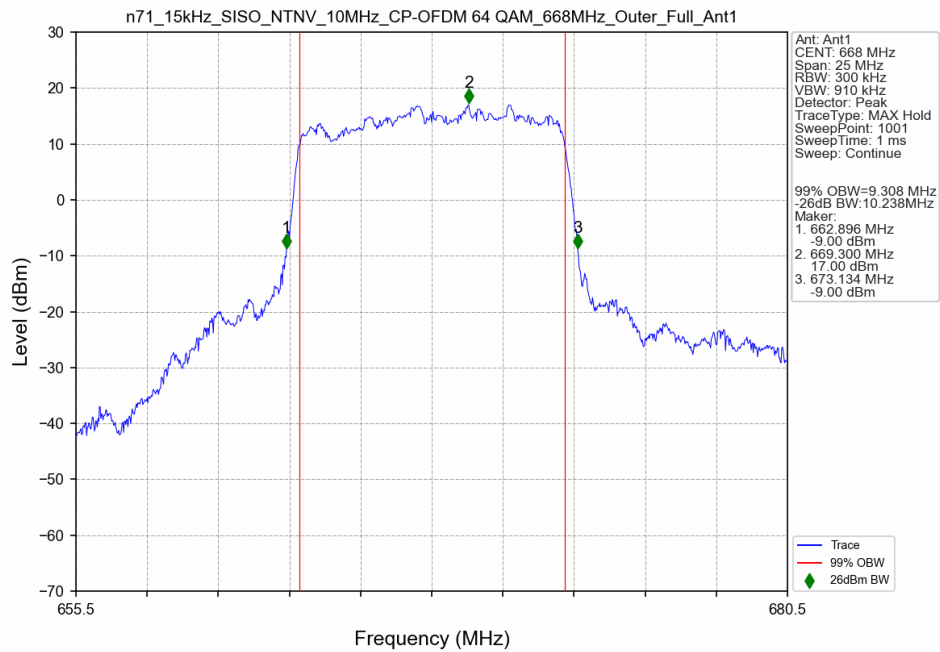
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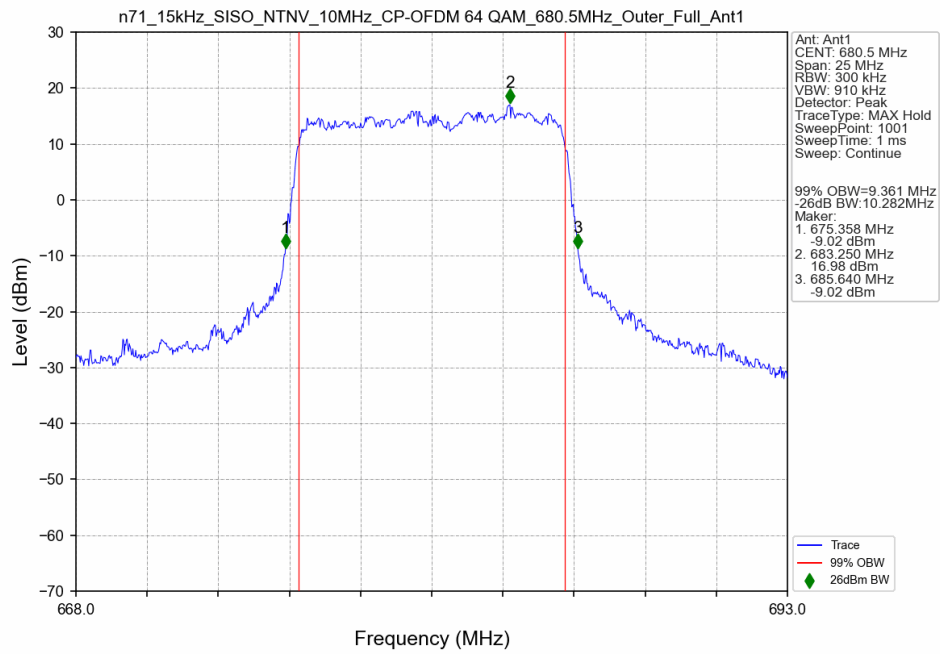
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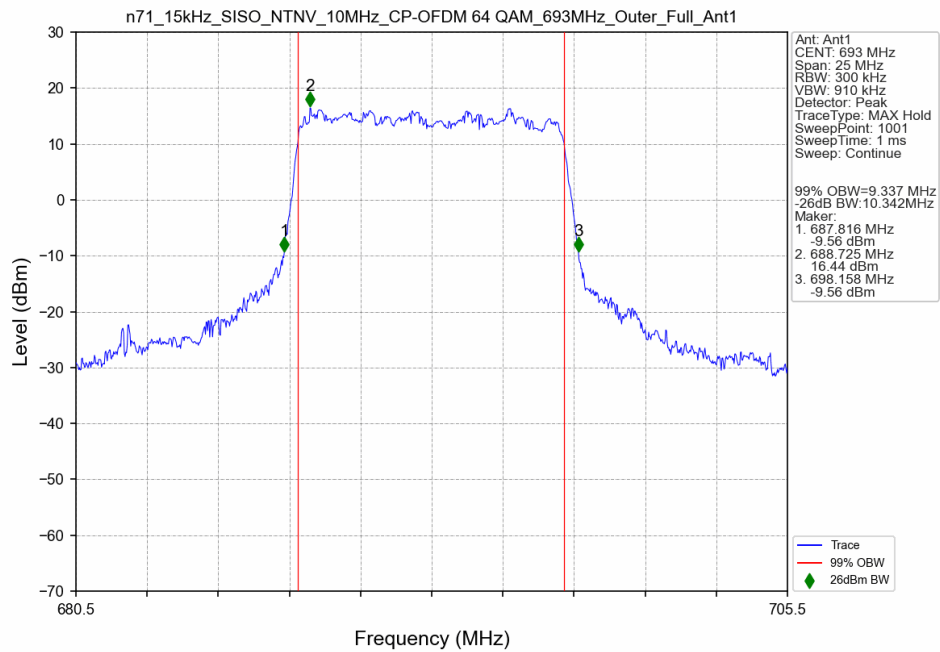
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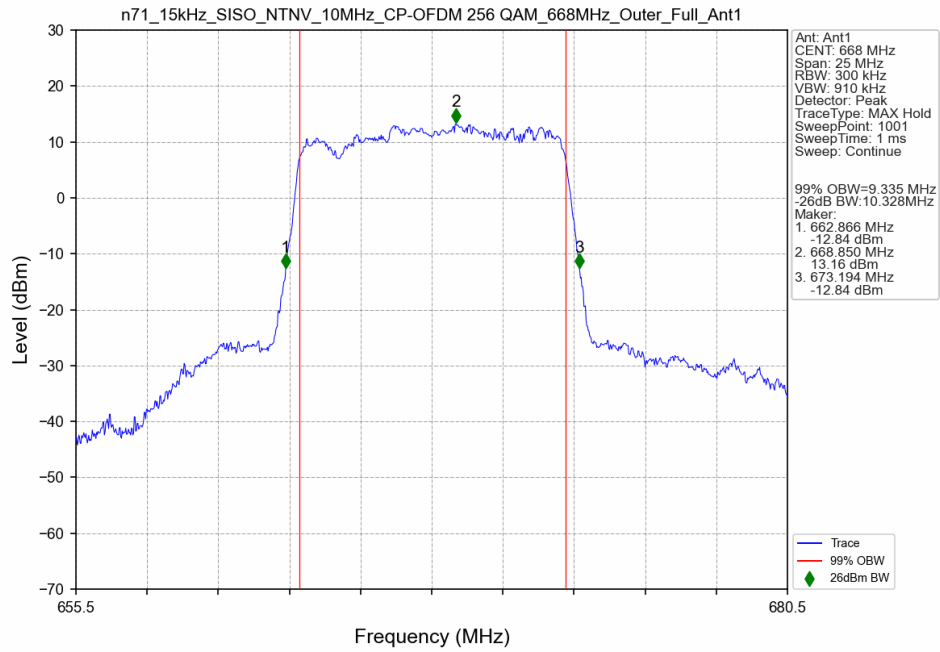
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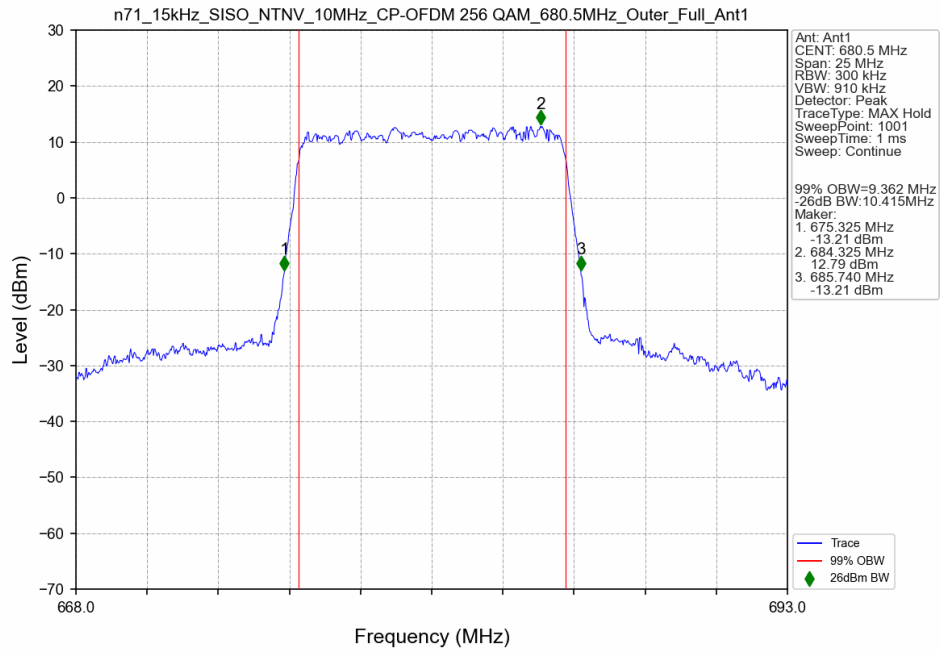
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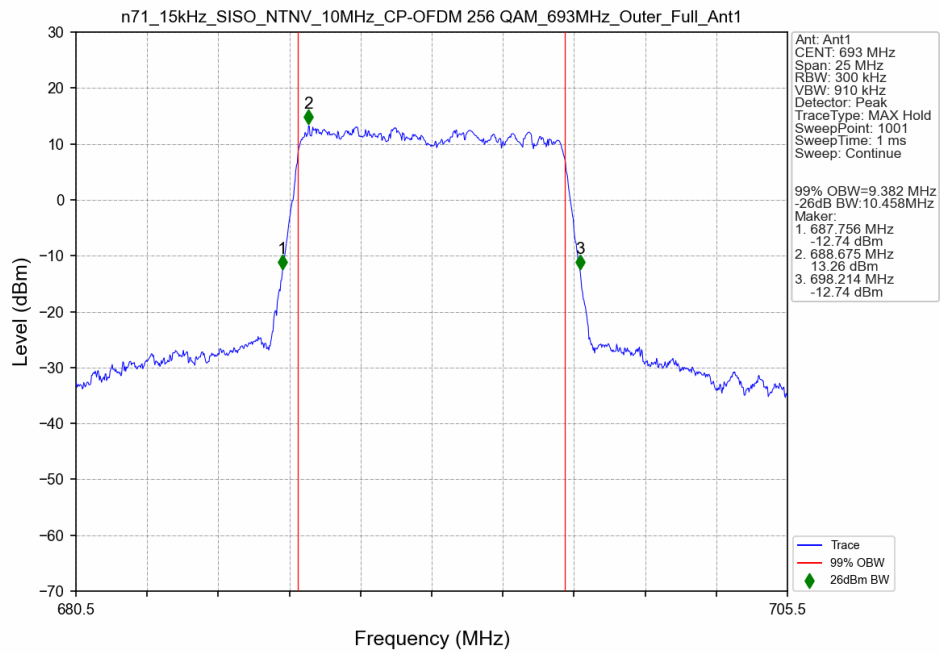
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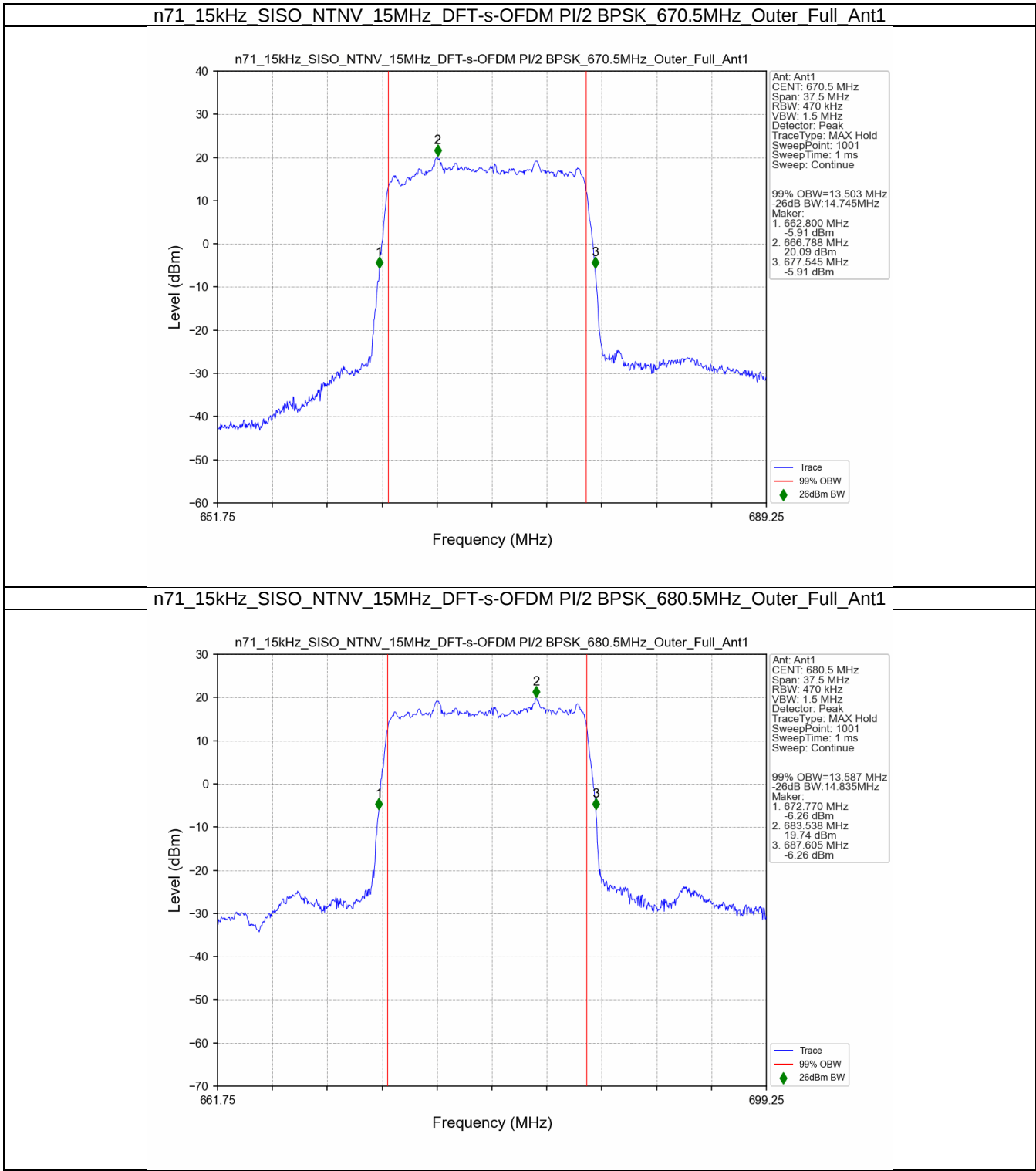
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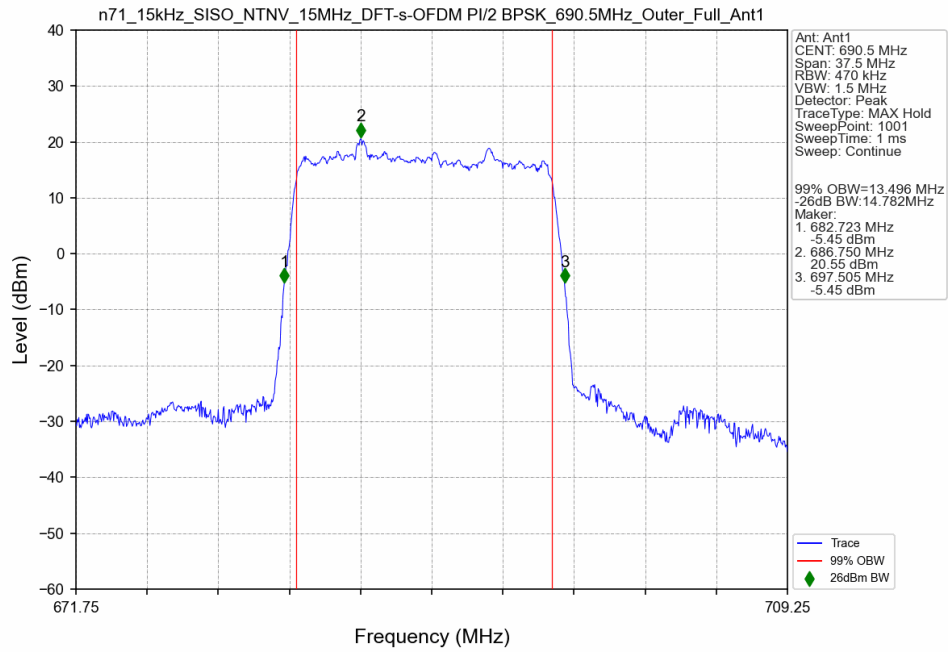
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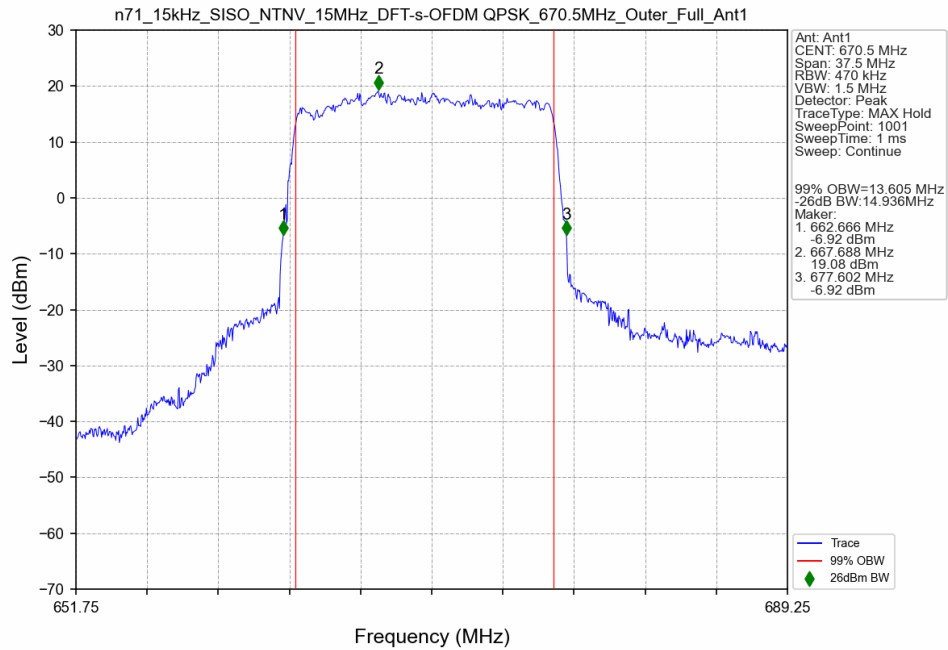
3.2.3 15k_SISO_15MHz_NTNV



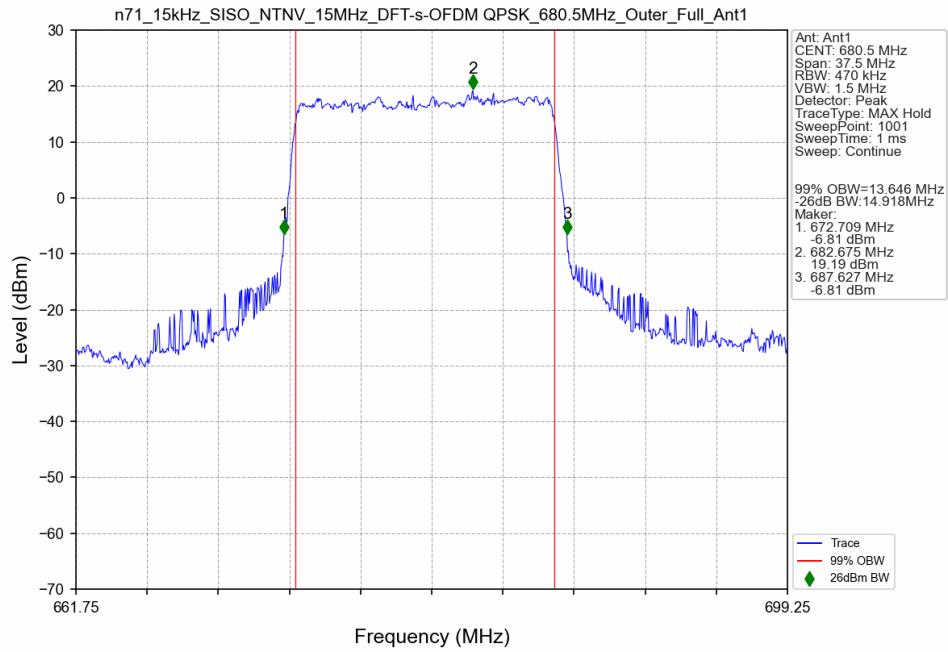
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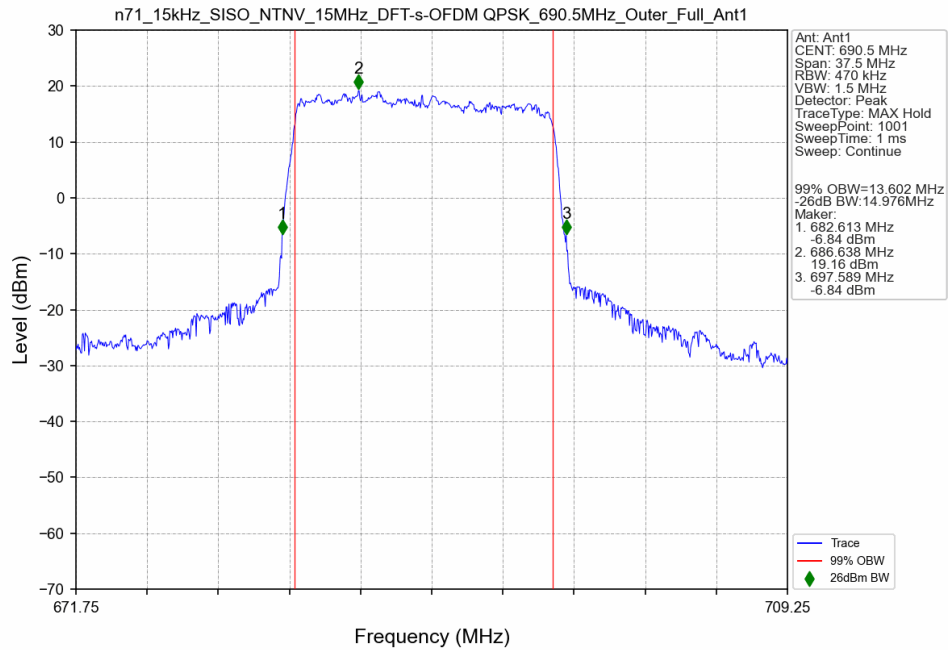
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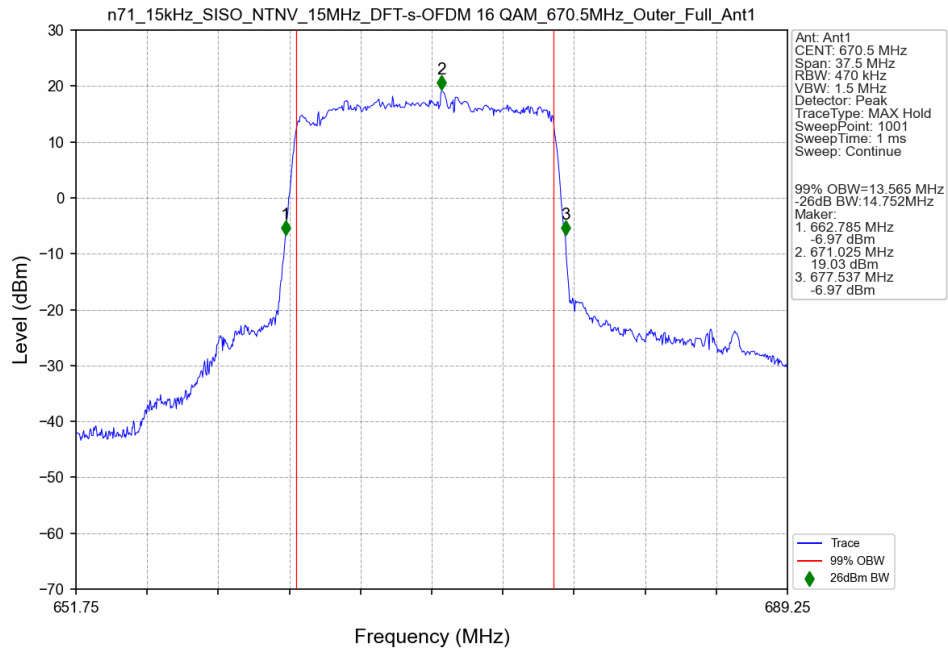
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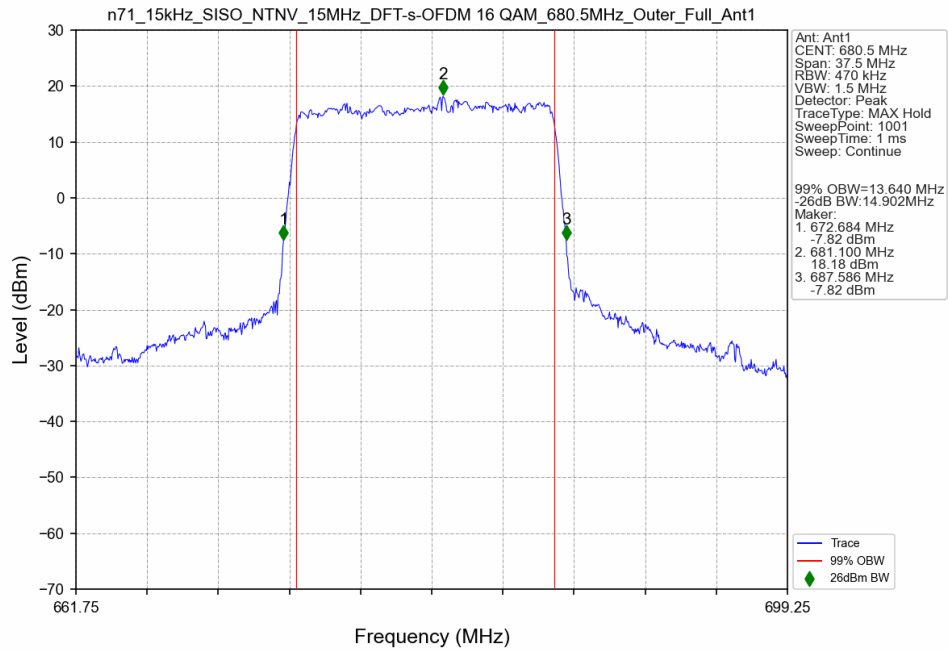
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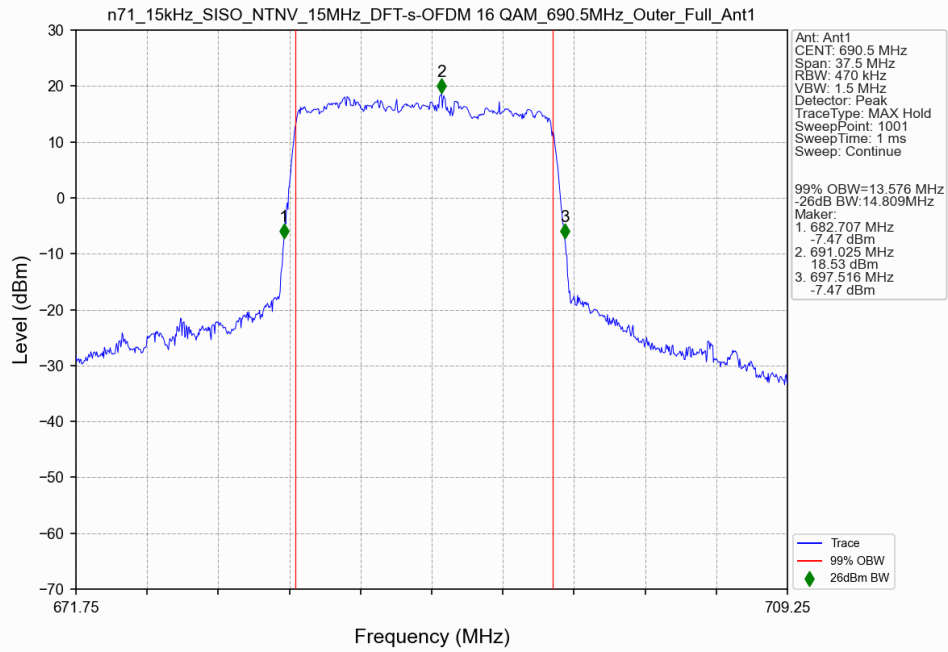
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_670.5MHz_Outer_Full_Ant1



n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_680.5MHz_Outer_Full_Ant1



n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_690.5MHz_Outer_Full_Ant1



n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_670.5MHz_Outer_Full_Ant1

