

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_10MHz_NTNV_EIRP

5G NR n30 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Edge_1RB_Left	23.33	/	/	21.43	/	/	/	Pass
		Edge_1RB_Right	23.23	/	/	21.33	/	/	/	Pass
		Outer_Full	23.40	/	/	21.50	/	/	/	Pass
		Inner_Full	23.42	/	/	21.52	/	/	/	Pass
		Inner_1RB_Left	23.37	/	/	21.47	/	/	/	Pass
		Inner_1RB_Right	23.26	/	/	21.36	/	/	/	Pass
	2310	Edge_1RB_Left	23.30	/	/	21.40	/	/	/	Pass
		Edge_1RB_Right	23.22	/	/	21.32	/	/	/	Pass
		Outer_Full	23.42	/	/	21.52	/	/	/	Pass
		Inner_Full	23.42	/	/	21.52	/	/	/	Pass
		Inner_1RB_Left	23.22	/	/	21.32	/	/	/	Pass
		Inner_1RB_Right	23.24	/	/	21.34	/	/	/	Pass
	2310	Edge_1RB_Left	23.29	/	/	21.39	/	/	/	Pass
		Edge_1RB_Right	23.25	/	/	21.35	/	/	/	Pass
		Outer_Full	23.41	/	/	21.51	/	/	/	Pass
		Inner_Full	23.41	/	/	21.51	/	/	/	Pass
		Inner_1RB_Left	23.31	/	/	21.41	/	/	/	Pass
		Inner_1RB_Right	23.27	/	/	21.37	/	/	/	Pass
DFT-s-OFDM QPSK	2310	Edge_1RB_Left	23.08	/	/	21.18	/	/	/	Pass
		Edge_1RB_Right	23.24	/	/	21.34	/	/	/	Pass
		Outer_Full	23.14	/	/	21.24	/	/	/	Pass
		Inner_Full	23.14	/	/	21.24	/	/	/	Pass
		Inner_1RB_Left	23.21	/	/	21.31	/	/	/	Pass
		Inner_1RB_Right	23.19	/	/	21.29	/	/	/	Pass
	2310	Edge_1RB_Left	23.19	/	/	21.29	/	/	/	Pass
		Edge_1RB_Right	23.24	/	/	21.34	/	/	/	Pass
		Outer_Full	23.21	/	/	21.31	/	/	/	Pass
		Inner_Full	23.11	/	/	21.21	/	/	/	Pass
		Inner_1RB_Left	23.20	/	/	21.30	/	/	/	Pass
		Inner_1RB_Right	23.25	/	/	21.35	/	/	/	Pass
	2310	Edge_1RB_Left	23.21	/	/	21.31	/	/	/	Pass
		Edge_1RB_Right	23.23	/	/	21.33	/	/	/	Pass
		Outer_Full	23.20	/	/	21.30	/	/	/	Pass
		Inner_Full	23.15	/	/	21.25	/	/	/	Pass
		Inner_1RB_Left	23.09	/	/	21.19	/	/	/	Pass
DFT-s-OFDM 16 QAM	2310	Inner_1RB_Right	23.14	/	/	21.24	/	/	/	Pass
		Edge_1RB_Left	22.26	/	/	20.36	/	/	/	Pass
		Edge_1RB_Right	22.34	/	/	20.44	/	/	/	Pass
		Outer_Full	22.11	/	/	20.21	/	/	/	Pass
		Inner_Full	23.09	/	/	21.19	/	/	/	Pass
		Inner_1RB_Left	23.34	/	/	21.44	/	/	/	Pass
	2310	Inner_1RB_Right	23.40	/	/	21.50	/	/	/	Pass
		Edge_1RB_Left	22.27	/	/	20.37	/	/	/	Pass
		Edge_1RB_Right	22.21	/	/	20.31	/	/	/	Pass
		Outer_Full	22.14	/	/	20.24	/	/	/	Pass
		Inner_Full	23.11	/	/	21.21	/	/	/	Pass
		Inner_1RB_Left	23.23	/	/	21.33	/	/	/	Pass
	2310	Inner_1RB_Right	23.30	/	/	21.40	/	/	/	Pass
		Edge_1RB_Left	22.27	/	/	20.37	/	/	/	Pass

		Edge_1RB_Right	22.26	/	/	20.36	/	/	/	Pass
		Outer_Full	22.09	/	/	20.19	/	/	/	Pass
		Inner_Full	23.10	/	/	21.20	/	/	/	Pass
		Inner_1RB_Left	23.27	/	/	21.37	/	/	/	Pass
		Inner_1RB_Right	23.36	/	/	21.46	/	/	/	Pass
DFT-s-OFDM 64 QAM	2310	Edge_1RB_Left	21.68	/	/	19.78	/	/	/	Pass
		Edge_1RB_Right	21.84	/	/	19.94	/	/	/	Pass
		Outer_Full	21.69	/	/	19.79	/	/	/	Pass
		Inner_Full	21.75	/	/	19.85	/	/	/	Pass
		Inner_1RB_Left	21.76	/	/	19.86	/	/	/	Pass
		Inner_1RB_Right	21.79	/	/	19.89	/	/	/	Pass
	2310	Edge_1RB_Left	21.70	/	/	19.80	/	/	/	Pass
		Edge_1RB_Right	21.69	/	/	19.79	/	/	/	Pass
		Outer_Full	21.64	/	/	19.74	/	/	/	Pass
		Inner_Full	21.77	/	/	19.87	/	/	/	Pass
		Inner_1RB_Left	21.77	/	/	19.87	/	/	/	Pass
		Inner_1RB_Right	21.82	/	/	19.92	/	/	/	Pass
	2310	Edge_1RB_Left	21.76	/	/	19.86	/	/	/	Pass
		Edge_1RB_Right	21.79	/	/	19.89	/	/	/	Pass
		Outer_Full	21.73	/	/	19.83	/	/	/	Pass
		Inner_Full	21.79	/	/	19.89	/	/	/	Pass
		Inner_1RB_Left	21.76	/	/	19.86	/	/	/	Pass
		Inner_1RB_Right	21.82	/	/	19.92	/	/	/	Pass
DFT-s-OFDM 256 QAM	2310	Edge_1RB_Left	19.26	/	/	17.36	/	/	/	Pass
		Edge_1RB_Right	19.24	/	/	17.34	/	/	/	Pass
		Outer_Full	19.56	/	/	17.66	/	/	/	Pass
		Inner_Full	19.55	/	/	17.65	/	/	/	Pass
		Inner_1RB_Left	19.36	/	/	17.46	/	/	/	Pass
		Inner_1RB_Right	19.32	/	/	17.42	/	/	/	Pass
	2310	Edge_1RB_Left	19.32	/	/	17.42	/	/	/	Pass
		Edge_1RB_Right	19.28	/	/	17.38	/	/	/	Pass
		Outer_Full	19.58	/	/	17.68	/	/	/	Pass
		Inner_Full	19.57	/	/	17.67	/	/	/	Pass
		Inner_1RB_Left	19.37	/	/	17.47	/	/	/	Pass
		Inner_1RB_Right	19.32	/	/	17.42	/	/	/	Pass
	2310	Edge_1RB_Left	19.31	/	/	17.41	/	/	/	Pass
		Edge_1RB_Right	19.30	/	/	17.40	/	/	/	Pass
		Outer_Full	19.61	/	/	17.71	/	/	/	Pass
		Inner_Full	19.59	/	/	17.69	/	/	/	Pass
		Inner_1RB_Left	19.27	/	/	17.37	/	/	/	Pass
		Inner_1RB_Right	19.35	/	/	17.45	/	/	/	Pass
CP-OFDM QPSK	2310	Edge_1RB_Left	21.30	/	/	19.40	/	/	/	Pass
		Edge_1RB_Right	21.24	/	/	19.34	/	/	/	Pass
		Outer_Full	21.23	/	/	19.33	/	/	/	Pass
		Inner_Full	22.60	/	/	20.70	/	/	/	Pass
		Inner_1RB_Left	22.65	/	/	20.75	/	/	/	Pass
		Inner_1RB_Right	22.69	/	/	20.79	/	/	/	Pass
	2310	Edge_1RB_Left	21.16	/	/	19.26	/	/	/	Pass
		Edge_1RB_Right	21.21	/	/	19.31	/	/	/	Pass
		Outer_Full	21.22	/	/	19.32	/	/	/	Pass
		Inner_Full	22.63	/	/	20.73	/	/	/	Pass
		Inner_1RB_Left	22.66	/	/	20.76	/	/	/	Pass
		Inner_1RB_Right	22.70	/	/	20.80	/	/	/	Pass
	2310	Edge_1RB_Left	21.16	/	/	19.26	/	/	/	Pass
		Edge_1RB_Right	21.15	/	/	19.25	/	/	/	Pass
		Outer_Full	21.28	/	/	19.38	/	/	/	Pass
		Inner_Full	22.64	/	/	20.74	/	/	/	Pass
		Inner_1RB_Left	22.60	/	/	20.70	/	/	/	Pass
		Inner_1RB_Right	22.56	/	/	20.66	/	/	/	Pass

CP-OFDM 16 QAM	2310	Edge_1RB_Left	21.20	/	/	19.30	/	/	/	Pass
		Edge_1RB_Right	21.19	/	/	19.29	/	/	/	Pass
		Outer_Full	21.21	/	/	19.31	/	/	/	Pass
		Inner_Full	22.19	/	/	20.29	/	/	/	Pass
		Inner_1RB_Left	22.17	/	/	20.27	/	/	/	Pass
		Inner_1RB_Right	22.20	/	/	20.30	/	/	/	Pass
	2310	Edge_1RB_Left	21.28	/	/	19.38	/	/	/	Pass
		Edge_1RB_Right	21.06	/	/	19.16	/	/	/	Pass
		Outer_Full	21.15	/	/	19.25	/	/	/	Pass
		Inner_Full	22.17	/	/	20.27	/	/	/	Pass
		Inner_1RB_Left	22.18	/	/	20.28	/	/	/	Pass
		Inner_1RB_Right	22.23	/	/	20.33	/	/	/	Pass
	2310	Edge_1RB_Left	21.19	/	/	19.29	/	/	/	Pass
		Edge_1RB_Right	21.22	/	/	19.32	/	/	/	Pass
		Outer_Full	21.10	/	/	19.20	/	/	/	Pass
		Inner_Full	22.23	/	/	20.33	/	/	/	Pass
		Inner_1RB_Left	22.17	/	/	20.27	/	/	/	Pass
		Inner_1RB_Right	22.18	/	/	20.28	/	/	/	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	20.75	/	/	18.85	/	/	/	Pass
		Edge_1RB_Right	20.74	/	/	18.84	/	/	/	Pass
		Outer_Full	20.65	/	/	18.75	/	/	/	Pass
		Inner_Full	20.72	/	/	18.82	/	/	/	Pass
		Inner_1RB_Left	20.70	/	/	18.80	/	/	/	Pass
		Inner_1RB_Right	20.75	/	/	18.85	/	/	/	Pass
	2310	Edge_1RB_Left	20.73	/	/	18.83	/	/	/	Pass
		Edge_1RB_Right	20.73	/	/	18.83	/	/	/	Pass
		Outer_Full	20.63	/	/	18.73	/	/	/	Pass
		Inner_Full	20.71	/	/	18.81	/	/	/	Pass
		Inner_1RB_Left	20.69	/	/	18.79	/	/	/	Pass
		Inner_1RB_Right	20.71	/	/	18.81	/	/	/	Pass
	2310	Edge_1RB_Left	20.77	/	/	18.87	/	/	/	Pass
		Edge_1RB_Right	20.79	/	/	18.89	/	/	/	Pass
		Outer_Full	20.62	/	/	18.72	/	/	/	Pass
		Inner_Full	20.76	/	/	18.86	/	/	/	Pass
		Inner_1RB_Left	20.74	/	/	18.84	/	/	/	Pass
		Inner_1RB_Right	20.70	/	/	18.80	/	/	/	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	17.33	/	/	15.43	/	/	/	Pass
		Edge_1RB_Right	17.28	/	/	15.38	/	/	/	Pass
		Outer_Full	17.63	/	/	15.73	/	/	/	Pass
		Inner_Full	17.58	/	/	15.68	/	/	/	Pass
		Inner_1RB_Left	17.27	/	/	15.37	/	/	/	Pass
		Inner_1RB_Right	17.29	/	/	15.39	/	/	/	Pass
	2310	Edge_1RB_Left	17.30	/	/	15.40	/	/	/	Pass
		Edge_1RB_Right	17.34	/	/	15.44	/	/	/	Pass
		Outer_Full	17.68	/	/	15.78	/	/	/	Pass
		Inner_Full	17.61	/	/	15.71	/	/	/	Pass
		Inner_1RB_Left	17.30	/	/	15.40	/	/	/	Pass
		Inner_1RB_Right	17.19	/	/	15.29	/	/	/	Pass
	2310	Edge_1RB_Left	17.28	/	/	15.38	/	/	/	Pass
		Edge_1RB_Right	17.33	/	/	15.43	/	/	/	Pass
		Outer_Full	17.63	/	/	15.73	/	/	/	Pass
		Inner_Full	17.52	/	/	15.62	/	/	/	Pass
		Inner_1RB_Left	17.34	/	/	15.44	/	/	/	Pass
		Inner_1RB_Right	17.35	/	/	15.45	/	/	/	Pass
Note1: Antenna Gain: Ant2: -1.90dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_10MHz_NTNV_EIRP(dBm/5MHz)

5G NR n30 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/5MHz)			EIRP(dBm/5MHz)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Edge 1RB Left	23.10	/	/	21.20	/	/	<=23.98	Pass
		Edge 1RB Right	22.93	/	/	21.03	/	/	<=23.98	Pass
		Outer Full	22.94	/	/	21.04	/	/	<=23.98	Pass
		Inner Full	23.06	/	/	21.16	/	/	<=23.98	Pass
		Inner 1RB Left	22.93	/	/	21.03	/	/	<=23.98	Pass
		Inner 1RB Right	22.68	/	/	20.78	/	/	<=23.98	Pass
	2310	Edge 1RB Left	22.93	/	/	21.03	/	/	<=23.98	Pass
		Edge 1RB Right	22.78	/	/	20.88	/	/	<=23.98	Pass
		Outer Full	22.96	/	/	21.06	/	/	<=23.98	Pass
		Inner Full	23.00	/	/	21.10	/	/	<=23.98	Pass
		Inner 1RB Left	22.90	/	/	21.00	/	/	<=23.98	Pass
		Inner 1RB Right	22.78	/	/	20.88	/	/	<=23.98	Pass
	2310	Edge 1RB Left	22.99	/	/	21.09	/	/	<=23.98	Pass
		Edge 1RB Right	22.89	/	/	20.99	/	/	<=23.98	Pass
		Outer Full	23.07	/	/	21.17	/	/	<=23.98	Pass
		Inner Full	22.95	/	/	21.05	/	/	<=23.98	Pass
		Inner 1RB Left	22.78	/	/	20.88	/	/	<=23.98	Pass
		Inner 1RB Right	22.89	/	/	20.99	/	/	<=23.98	Pass
DFT-s-OFDM QPSK	2310	Edge 1RB Left	23.13	/	/	21.23	/	/	<=23.98	Pass
		Edge 1RB Right	23.01	/	/	21.11	/	/	<=23.98	Pass
		Outer Full	23.02	/	/	21.12	/	/	<=23.98	Pass
		Inner Full	23.12	/	/	21.22	/	/	<=23.98	Pass
		Inner 1RB Left	23.17	/	/	21.27	/	/	<=23.98	Pass
		Inner 1RB Right	23.11	/	/	21.21	/	/	<=23.98	Pass
	2310	Edge 1RB Left	23.24	/	/	21.34	/	/	<=23.98	Pass
		Edge 1RB Right	23.02	/	/	21.12	/	/	<=23.98	Pass
		Outer Full	23.01	/	/	21.11	/	/	<=23.98	Pass
		Inner Full	22.97	/	/	21.07	/	/	<=23.98	Pass
		Inner 1RB Left	23.20	/	/	21.30	/	/	<=23.98	Pass
		Inner 1RB Right	22.90	/	/	21.00	/	/	<=23.98	Pass
	2310	Edge 1RB Left	23.15	/	/	21.25	/	/	<=23.98	Pass
		Edge 1RB Right	23.15	/	/	21.25	/	/	<=23.98	Pass
		Outer Full	23.04	/	/	21.14	/	/	<=23.98	Pass
		Inner Full	22.98	/	/	21.08	/	/	<=23.98	Pass
		Inner 1RB Left	23.08	/	/	21.18	/	/	<=23.98	Pass
		Inner 1RB Right	22.94	/	/	21.04	/	/	<=23.98	Pass
DFT-s-OFDM 16 QAM	2310	Edge 1RB Left	22.16	/	/	20.26	/	/	<=23.98	Pass
		Edge 1RB Right	22.02	/	/	20.12	/	/	<=23.98	Pass
		Outer Full	22.01	/	/	20.11	/	/	<=23.98	Pass
		Inner Full	22.95	/	/	21.05	/	/	<=23.98	Pass
		Inner 1RB Left	23.11	/	/	21.21	/	/	<=23.98	Pass
		Inner 1RB Right	23.13	/	/	21.23	/	/	<=23.98	Pass
	2310	Edge 1RB Left	21.94	/	/	20.04	/	/	<=23.98	Pass
		Edge 1RB Right	22.08	/	/	20.18	/	/	<=23.98	Pass
		Outer Full	21.94	/	/	20.04	/	/	<=23.98	Pass
		Inner Full	23.01	/	/	21.11	/	/	<=23.98	Pass
		Inner 1RB Left	23.27	/	/	21.37	/	/	<=23.98	Pass
		Inner 1RB Right	23.08	/	/	21.18	/	/	<=23.98	Pass
	2310	Edge 1RB Left	22.20	/	/	20.30	/	/	<=23.98	Pass
		Edge 1RB Right	21.80	/	/	19.90	/	/	<=23.98	Pass
		Outer Full	22.00	/	/	20.10	/	/	<=23.98	Pass
		Inner Full	23.05	/	/	21.15	/	/	<=23.98	Pass
		Inner 1RB Left	23.54	/	/	21.64	/	/	<=23.98	Pass
		Inner 1RB Right	23.11	/	/	21.21	/	/	<=23.98	Pass
DFT-s-OFDM 64 QAM	2310	Edge 1RB Left	21.60	/	/	19.70	/	/	<=23.98	Pass

		Edge 1RB Right	21.73	/	/	19.83	/	/	<=23.98	Pass
		Outer Full	21.49	/	/	19.59	/	/	<=23.98	Pass
		Inner Full	21.60	/	/	19.70	/	/	<=23.98	Pass
		Inner 1RB Left	21.77	/	/	19.87	/	/	<=23.98	Pass
		Inner 1RB Right	21.27	/	/	19.37	/	/	<=23.98	Pass
	2310	Edge 1RB Left	21.65	/	/	19.75	/	/	<=23.98	Pass
		Edge 1RB Right	21.71	/	/	19.81	/	/	<=23.98	Pass
		Outer Full	21.53	/	/	19.63	/	/	<=23.98	Pass
		Inner Full	21.60	/	/	19.70	/	/	<=23.98	Pass
		Inner 1RB Left	21.72	/	/	19.82	/	/	<=23.98	Pass
	2310	Inner 1RB Right	21.41	/	/	19.51	/	/	<=23.98	Pass
		Edge 1RB Left	21.73	/	/	19.83	/	/	<=23.98	Pass
		Edge 1RB Right	21.69	/	/	19.79	/	/	<=23.98	Pass
		Outer Full	21.49	/	/	19.59	/	/	<=23.98	Pass
		Inner Full	21.47	/	/	19.57	/	/	<=23.98	Pass
DFT-s-OFDM 256 QAM	2310	Inner 1RB Left	21.71	/	/	19.81	/	/	<=23.98	Pass
		Inner 1RB Right	21.73	/	/	19.83	/	/	<=23.98	Pass
		Edge 1RB Left	19.13	/	/	17.23	/	/	<=23.98	Pass
		Edge 1RB Right	18.99	/	/	17.09	/	/	<=23.98	Pass
		Outer Full	19.44	/	/	17.54	/	/	<=23.98	Pass
	2310	Inner Full	19.46	/	/	17.56	/	/	<=23.98	Pass
		Inner 1RB Left	19.38	/	/	17.48	/	/	<=23.98	Pass
		Inner 1RB Right	18.95	/	/	17.05	/	/	<=23.98	Pass
		Edge 1RB Left	19.44	/	/	17.54	/	/	<=23.98	Pass
		Edge 1RB Right	18.93	/	/	17.03	/	/	<=23.98	Pass
	2310	Outer Full	19.45	/	/	17.55	/	/	<=23.98	Pass
		Inner Full	19.43	/	/	17.53	/	/	<=23.98	Pass
		Inner 1RB Left	19.34	/	/	17.44	/	/	<=23.98	Pass
		Inner 1RB Right	19.20	/	/	17.30	/	/	<=23.98	Pass
		Edge 1RB Left	19.26	/	/	17.36	/	/	<=23.98	Pass
CP-OFDM QPSK	2310	Edge 1RB Right	19.09	/	/	17.19	/	/	<=23.98	Pass
		Outer Full	19.40	/	/	17.50	/	/	<=23.98	Pass
		Inner Full	19.49	/	/	17.59	/	/	<=23.98	Pass
		Inner 1RB Left	19.45	/	/	17.55	/	/	<=23.98	Pass
		Inner 1RB Right	19.52	/	/	17.62	/	/	<=23.98	Pass
	2310	Edge 1RB Left	20.93	/	/	19.03	/	/	<=23.98	Pass
		Edge 1RB Right	21.21	/	/	19.31	/	/	<=23.98	Pass
		Outer Full	21.06	/	/	19.16	/	/	<=23.98	Pass
		Inner Full	22.47	/	/	20.57	/	/	<=23.98	Pass
		Inner 1RB Left	22.35	/	/	20.45	/	/	<=23.98	Pass
	2310	Inner 1RB Right	22.55	/	/	20.65	/	/	<=23.98	Pass
		Edge 1RB Left	21.45	/	/	19.55	/	/	<=23.98	Pass
		Edge 1RB Right	21.14	/	/	19.24	/	/	<=23.98	Pass
		Outer Full	21.10	/	/	19.20	/	/	<=23.98	Pass
		Inner Full	22.50	/	/	20.60	/	/	<=23.98	Pass
CP-OFDM 16 QAM	2310	Inner 1RB Left	22.58	/	/	20.68	/	/	<=23.98	Pass
		Inner 1RB Right	22.66	/	/	20.76	/	/	<=23.98	Pass
		Edge 1RB Left	21.31	/	/	19.41	/	/	<=23.98	Pass
		Edge 1RB Right	21.09	/	/	19.19	/	/	<=23.98	Pass
		Outer Full	21.09	/	/	19.19	/	/	<=23.98	Pass
	2310	Inner Full	22.51	/	/	20.61	/	/	<=23.98	Pass
		Inner 1RB Left	22.46	/	/	20.56	/	/	<=23.98	Pass
		Inner 1RB Right	22.71	/	/	20.81	/	/	<=23.98	Pass
		Edge 1RB Left	21.02	/	/	19.12	/	/	<=23.98	Pass
		Edge 1RB Right	21.05	/	/	19.15	/	/	<=23.98	Pass
	2310	Outer Full	21.02	/	/	19.12	/	/	<=23.98	Pass
		Inner Full	22.11	/	/	20.21	/	/	<=23.98	Pass
		Inner 1RB Left	22.38	/	/	20.48	/	/	<=23.98	Pass
		Inner 1RB Right	22.14	/	/	20.24	/	/	<=23.98	Pass

	2310	Edge_1RB_Left	21.12	/	/	19.22	/	/	<=23.98	Pass
		Edge_1RB_Right	20.89	/	/	18.99	/	/	<=23.98	Pass
		Outer_Full	21.01	/	/	19.11	/	/	<=23.98	Pass
		Inner_Full	22.03	/	/	20.13	/	/	<=23.98	Pass
		Inner_1RB_Left	22.15	/	/	20.25	/	/	<=23.98	Pass
		Inner_1RB_Right	21.98	/	/	20.08	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	20.89	/	/	18.99	/	/	<=23.98	Pass
		Edge_1RB_Right	21.33	/	/	19.43	/	/	<=23.98	Pass
		Outer_Full	21.00	/	/	19.10	/	/	<=23.98	Pass
		Inner_Full	22.03	/	/	20.13	/	/	<=23.98	Pass
		Inner_1RB_Left	22.22	/	/	20.32	/	/	<=23.98	Pass
		Inner_1RB_Right	21.98	/	/	20.08	/	/	<=23.98	Pass
CP-OFDM 64 QAM	2310	Edge_1RB_Left	20.75	/	/	18.85	/	/	<=23.98	Pass
		Edge_1RB_Right	20.89	/	/	18.99	/	/	<=23.98	Pass
		Outer_Full	20.49	/	/	18.59	/	/	<=23.98	Pass
		Inner_Full	20.53	/	/	18.63	/	/	<=23.98	Pass
		Inner_1RB_Left	20.84	/	/	18.94	/	/	<=23.98	Pass
		Inner_1RB_Right	20.60	/	/	18.70	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	20.62	/	/	18.72	/	/	<=23.98	Pass
		Edge_1RB_Right	20.32	/	/	18.42	/	/	<=23.98	Pass
		Outer_Full	20.50	/	/	18.60	/	/	<=23.98	Pass
		Inner_Full	20.52	/	/	18.62	/	/	<=23.98	Pass
		Inner_1RB_Left	20.53	/	/	18.63	/	/	<=23.98	Pass
		Inner_1RB_Right	20.58	/	/	18.68	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	20.86	/	/	18.96	/	/	<=23.98	Pass
		Edge_1RB_Right	20.77	/	/	18.87	/	/	<=23.98	Pass
		Outer_Full	20.44	/	/	18.54	/	/	<=23.98	Pass
		Inner_Full	20.54	/	/	18.64	/	/	<=23.98	Pass
		Inner_1RB_Left	20.80	/	/	18.90	/	/	<=23.98	Pass
		Inner_1RB_Right	20.49	/	/	18.59	/	/	<=23.98	Pass
CP-OFDM 256 QAM	2310	Edge_1RB_Left	17.02	/	/	15.12	/	/	<=23.98	Pass
		Edge_1RB_Right	16.57	/	/	14.67	/	/	<=23.98	Pass
		Outer_Full	17.53	/	/	15.63	/	/	<=23.98	Pass
		Inner_Full	17.39	/	/	15.49	/	/	<=23.98	Pass
		Inner_1RB_Left	17.33	/	/	15.43	/	/	<=23.98	Pass
		Inner_1RB_Right	17.07	/	/	15.17	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	17.31	/	/	15.41	/	/	<=23.98	Pass
		Edge_1RB_Right	17.38	/	/	15.48	/	/	<=23.98	Pass
		Outer_Full	17.49	/	/	15.59	/	/	<=23.98	Pass
		Inner_Full	17.36	/	/	15.46	/	/	<=23.98	Pass
		Inner_1RB_Left	17.19	/	/	15.29	/	/	<=23.98	Pass
		Inner_1RB_Right	16.95	/	/	15.05	/	/	<=23.98	Pass
	2310	Edge_1RB_Left	17.20	/	/	15.30	/	/	<=23.98	Pass
		Edge_1RB_Right	17.43	/	/	15.53	/	/	<=23.98	Pass
		Outer_Full	17.43	/	/	15.53	/	/	<=23.98	Pass
Inner_Full		17.35	/	/	15.45	/	/	<=23.98	Pass	
Inner_1RB_Left		17.06	/	/	15.16	/	/	<=23.98	Pass	
Inner_1RB_Right	16.88	/	/	14.98	/	/	<=23.98	Pass		
Note1: Antenna Gain: Ant2: -1.90dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_10MHz

5G NR n30 SCS=15kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Outer_Full	20	LV	-6.80	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-8.20	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-14.50	-0.0063	>=-2.5 & <=2.5	Pass
			-10	NV	-11.00	-0.0048	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-9.90	-0.0043	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	20	LV	-8.30	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-9.60	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-10.00	-0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-9.10	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0036	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2310	Outer_Full	20	LV	-3.40	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-9.80	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-11.00	-0.0048	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2310	Outer_Full	20	LV	-6.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-5.00	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-9.60	-0.0042	>=-2.5 & <=2.5	Pass
			30	NV	-3.00	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0036	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2310	Outer_Full	20	LV	-6.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0032	>=-2.5 & <=2.5	Pass

			-30	NV	-6.00	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-12.70	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.00	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.20	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.00	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.60	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-13.40	-0.0058	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.90	-0.0026	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2310	Outer_Full	20	LV	-7.60	-0.0033	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.90	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-8.70	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.30	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.60	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.50	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-11.20	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2310	Outer_Full	20	LV	-5.30	-0.0023	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-11.40	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.80	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.40	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-13.30	-0.0058	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.50	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.50	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.00	-0.0035	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2310	Outer_Full	20	LV	-8.10	-0.0035	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.50	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.80	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-0.90	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.40	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.60	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.90	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-12.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2310	Outer_Full	20	LV	-8.30	-0.0036	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.10	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.50	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.60	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.50	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-11.10	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.00	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-9.90	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.10	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-14.60	-0.0063	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.70	-0.0025	≥ -2.5 & ≤ 2.5	Pass

3. 99% & 26dB Bandwidth

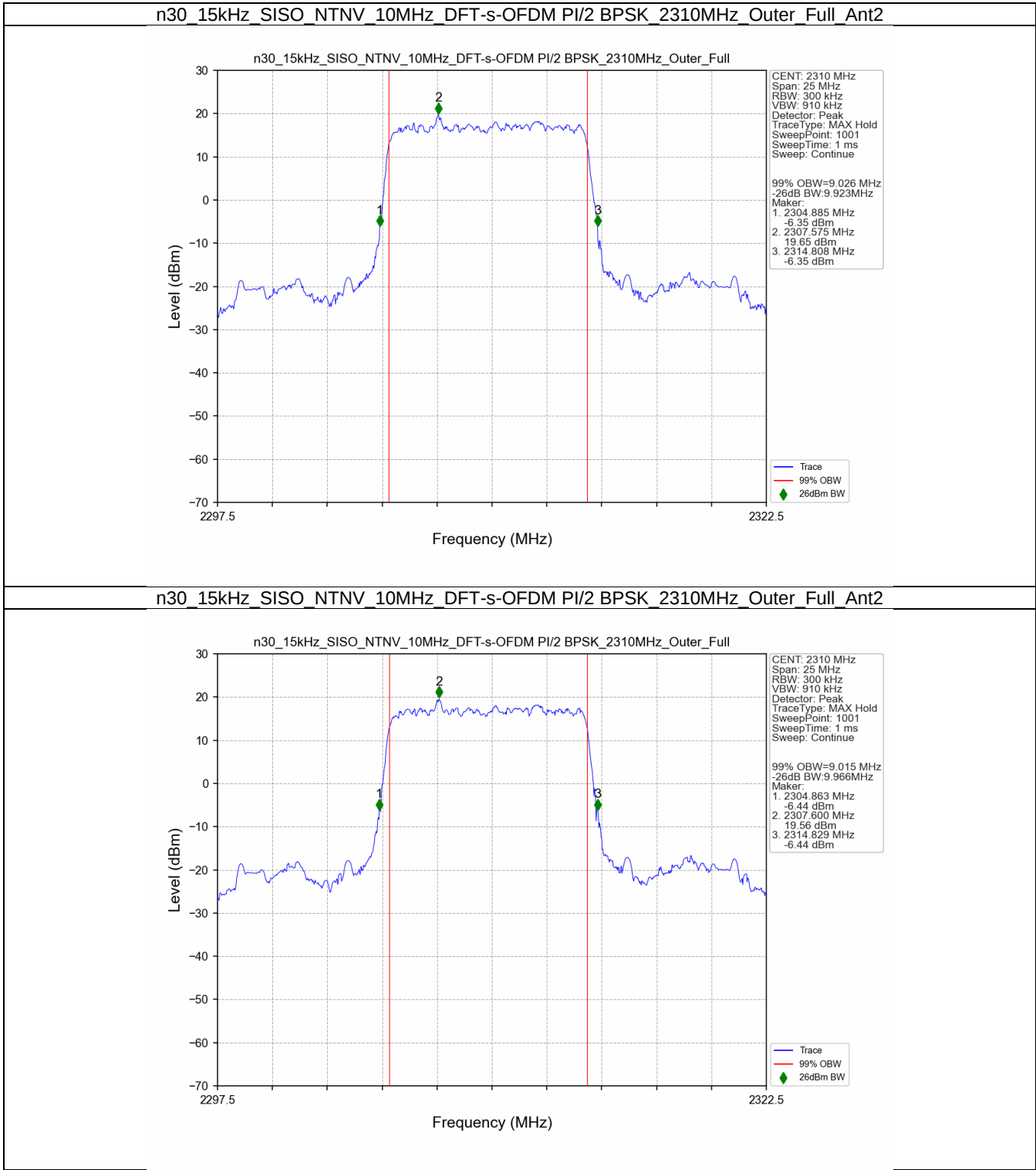
3.1 Test Result

3.1.1 15k_SISO_10MHz_NTNV

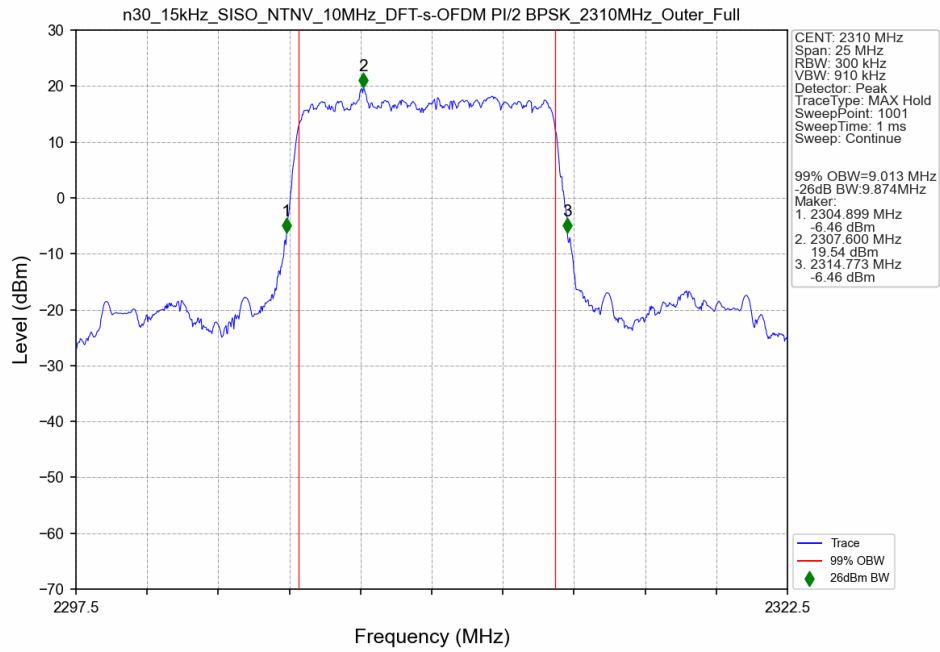
5G NR n30 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2310	Outer_Full	9.03	9.92	/	Pass
	2310	Outer_Full	9.02	9.97	/	Pass
	2310	Outer_Full	9.01	9.87	/	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	9.06	10.11	/	Pass
	2310	Outer_Full	9.05	10.04	/	Pass
	2310	Outer_Full	9.05	10.05	/	Pass
DFT-s-OFDM 16 QAM	2310	Outer_Full	9.06	10.07	/	Pass
	2310	Outer_Full	9.06	10.07	/	Pass
	2310	Outer_Full	9.07	10.06	/	Pass
DFT-s-OFDM 64 QAM	2310	Outer_Full	9.06	10.04	/	Pass
	2310	Outer_Full	9.06	9.95	/	Pass
	2310	Outer_Full	9.06	10.05	/	Pass
DFT-s-OFDM 256 QAM	2310	Outer_Full	9.05	9.99	/	Pass
	2310	Outer_Full	9.05	9.94	/	Pass
	2310	Outer_Full	9.05	10.01	/	Pass
CP-OFDM QPSK	2310	Outer_Full	9.39	10.38	/	Pass
	2310	Outer_Full	9.37	10.45	/	Pass
	2310	Outer_Full	9.39	10.42	/	Pass
CP-OFDM 16 QAM	2310	Outer_Full	9.43	10.48	/	Pass
	2310	Outer_Full	9.41	10.39	/	Pass
	2310	Outer_Full	9.41	10.57	/	Pass
CP-OFDM 64 QAM	2310	Outer_Full	9.35	10.43	/	Pass
	2310	Outer_Full	9.38	10.40	/	Pass
	2310	Outer_Full	9.35	10.43	/	Pass
CP-OFDM 256 QAM	2310	Outer_Full	9.38	10.42	/	Pass
	2310	Outer_Full	9.38	10.44	/	Pass
	2310	Outer_Full	9.38	10.42	/	Pass

3.2 Test Graph

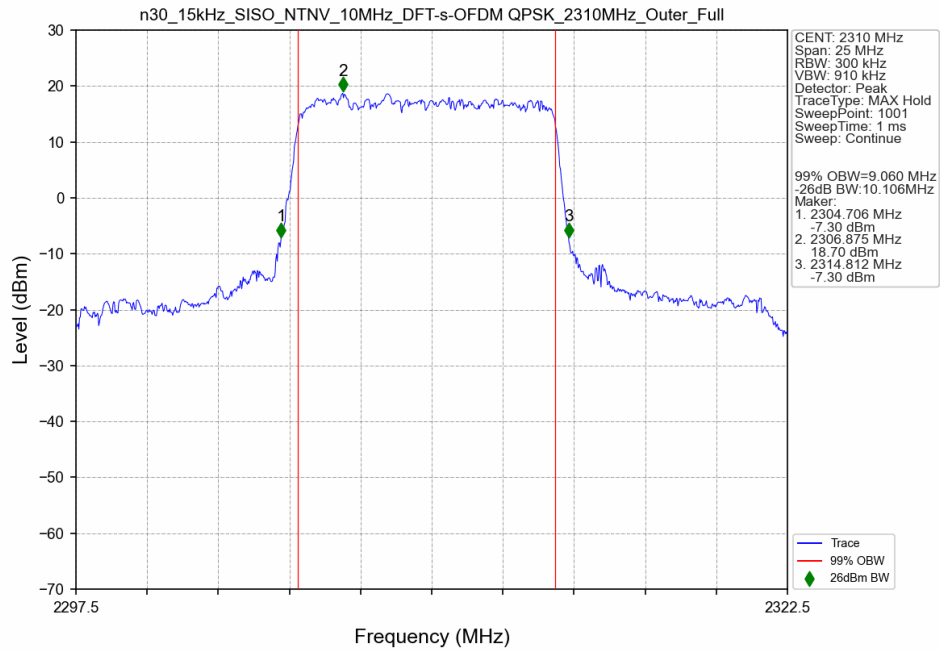
3.2.1 15k_SISO_10MHz_NTNV



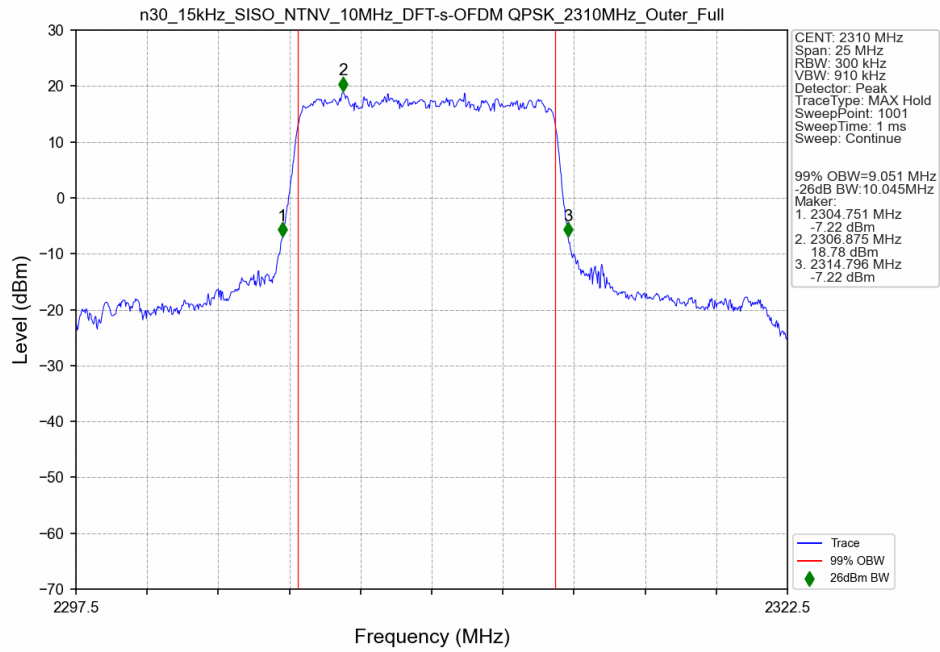
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_2310MHz_Outer_Full_Ant2



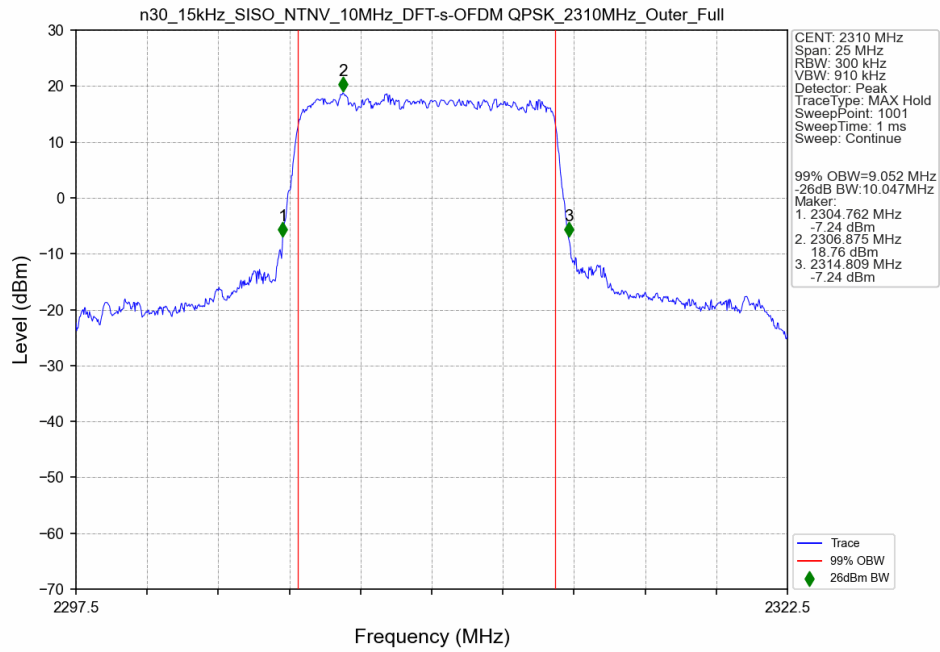
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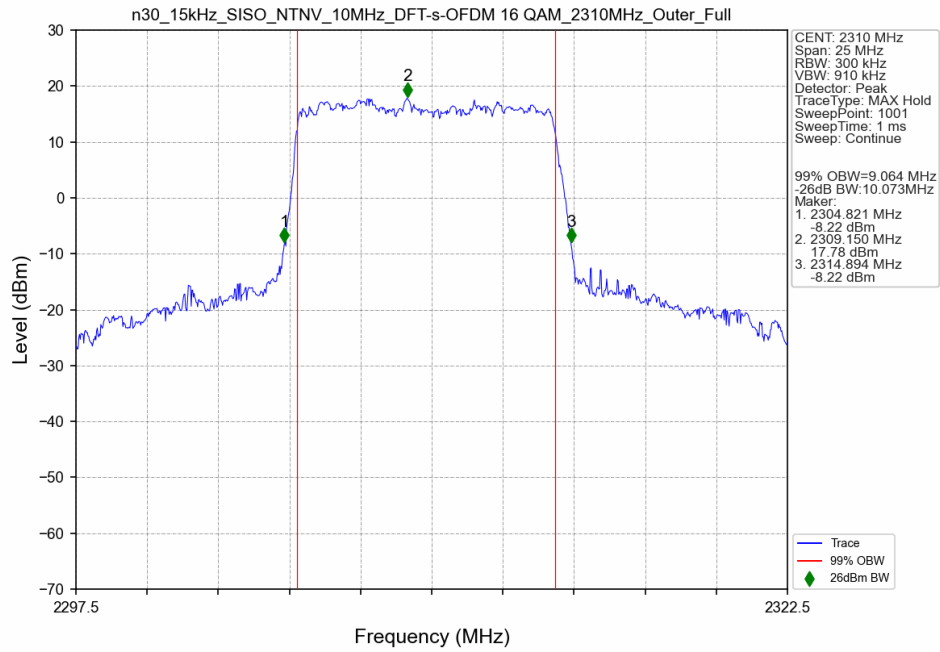
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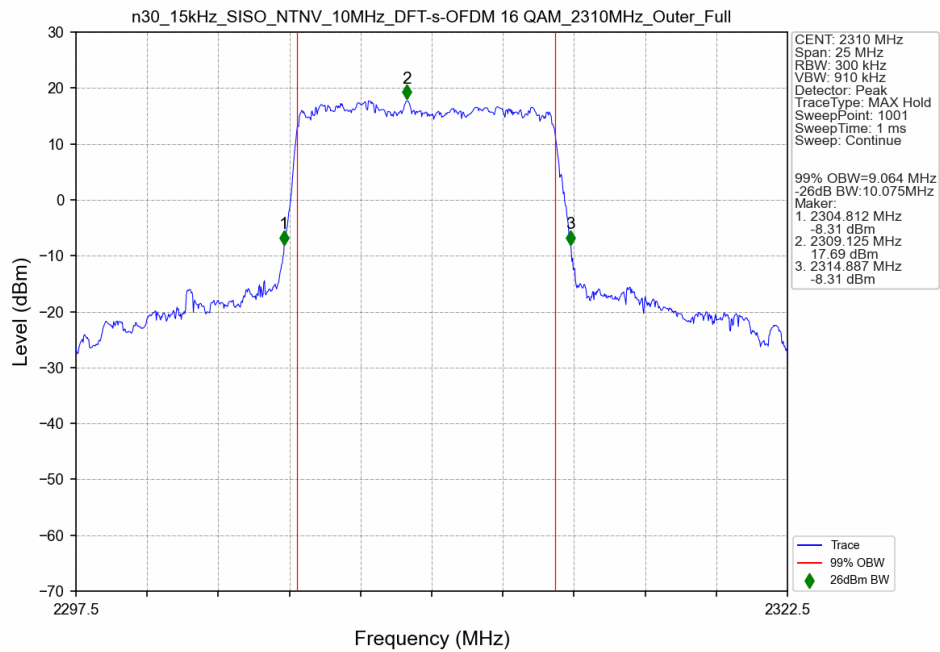
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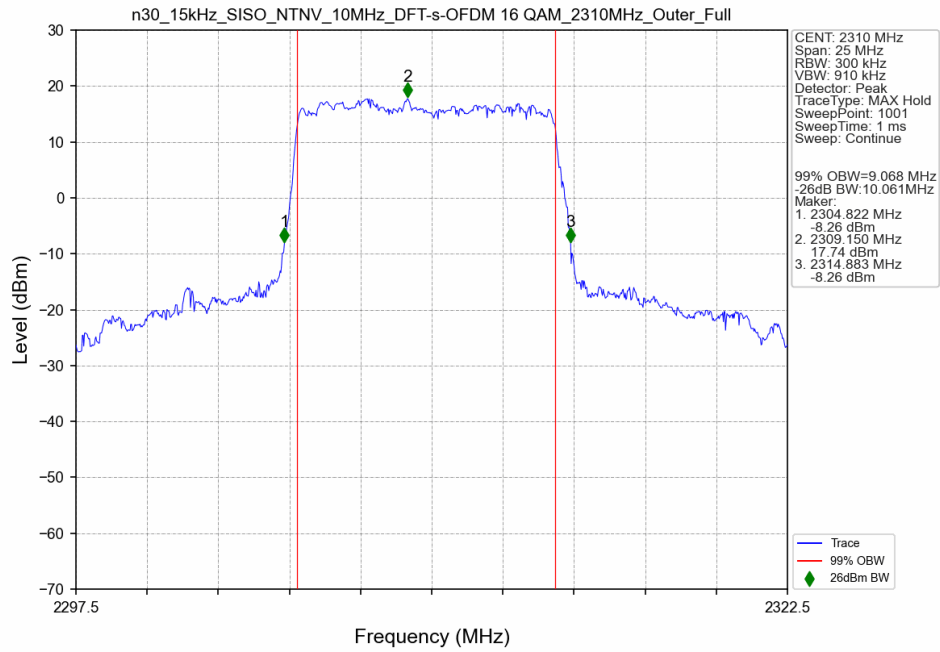
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_2310MHz_Outer_Full_Ant2



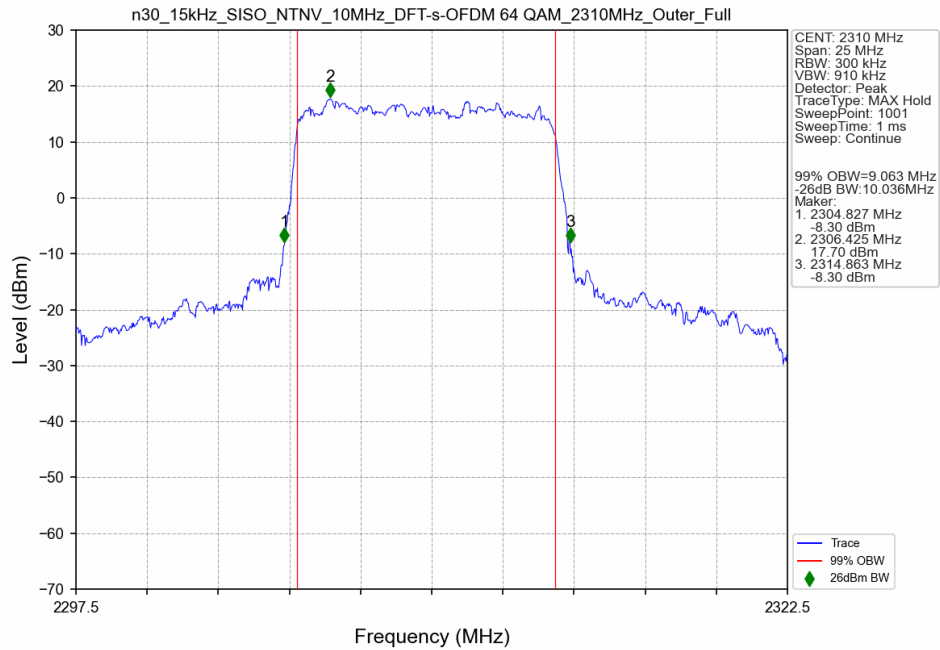
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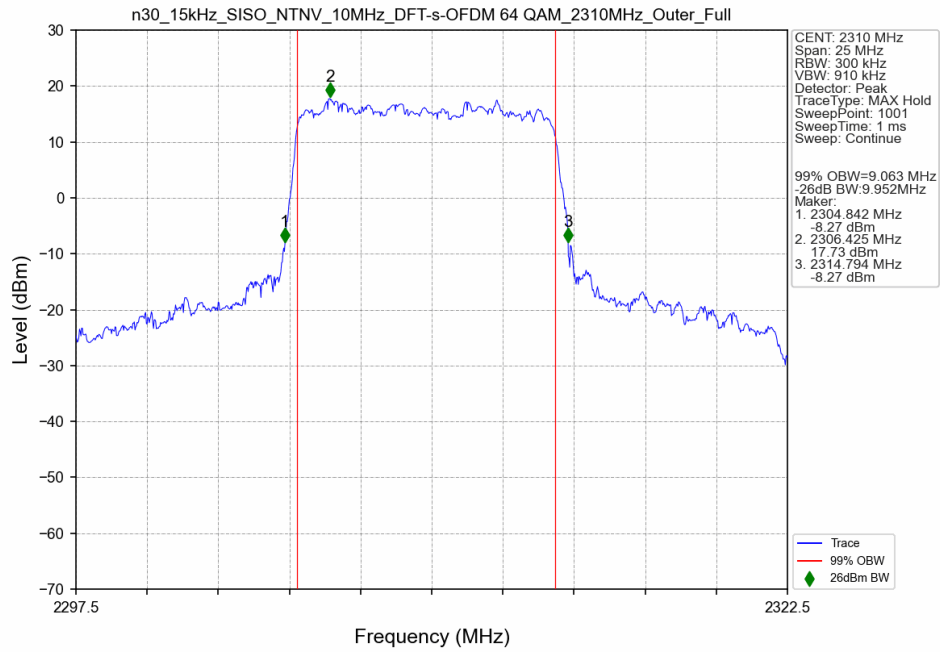
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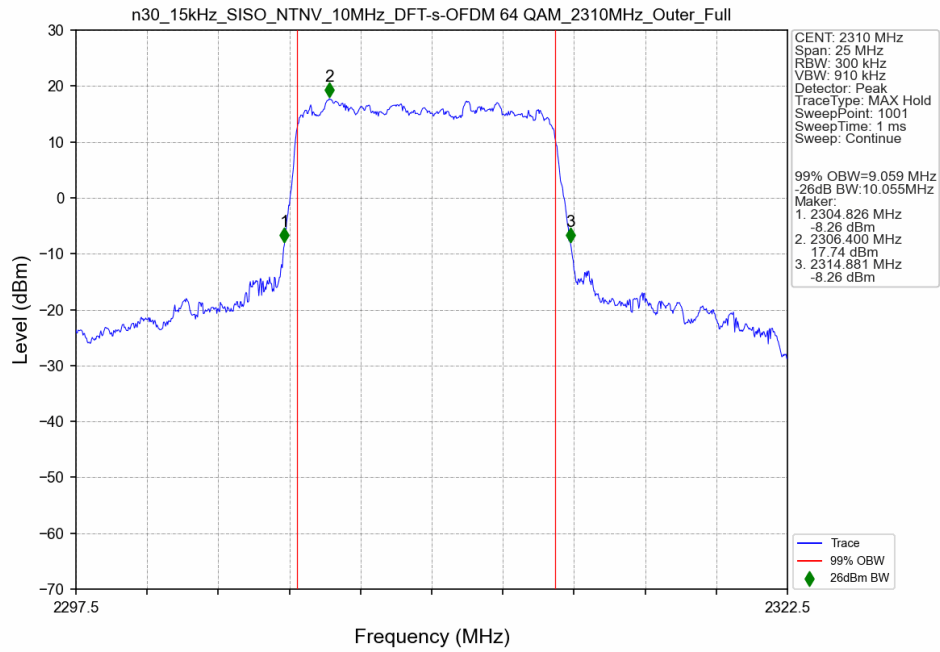
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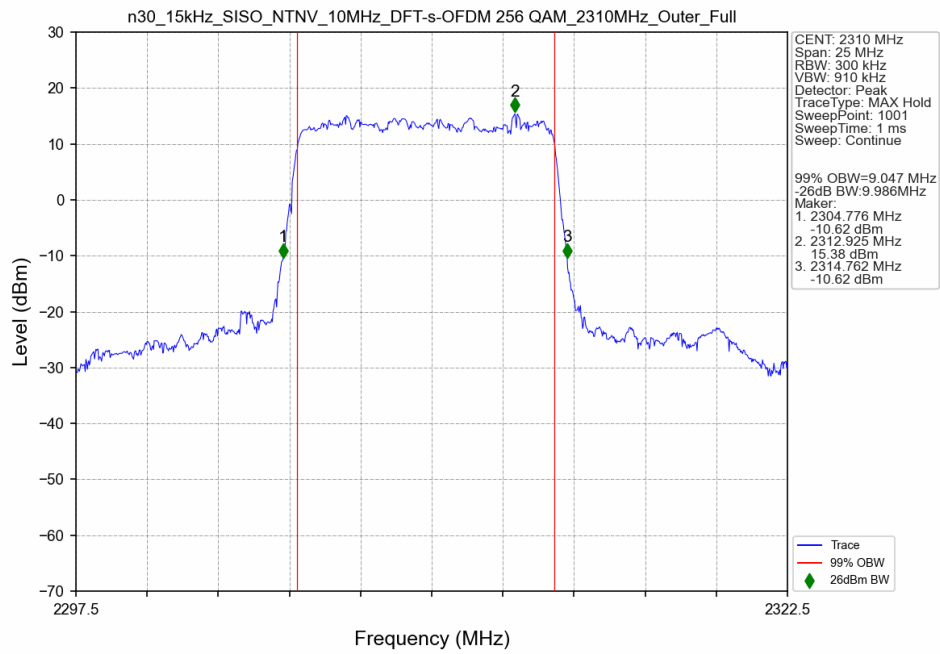
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2310MHz_Outer_Full_Ant2



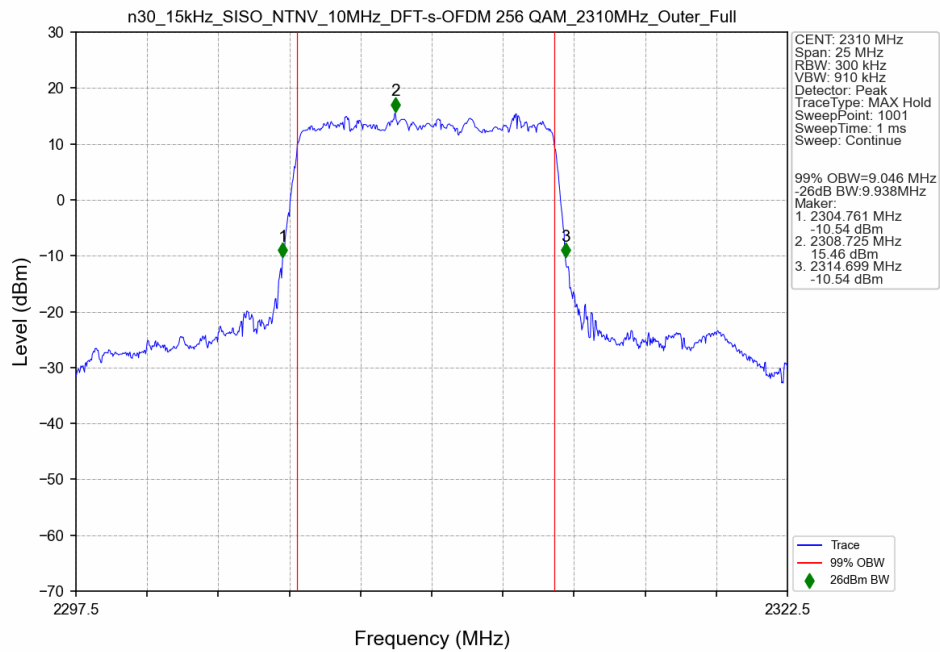
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2310MHz_Outer_Full_Ant2



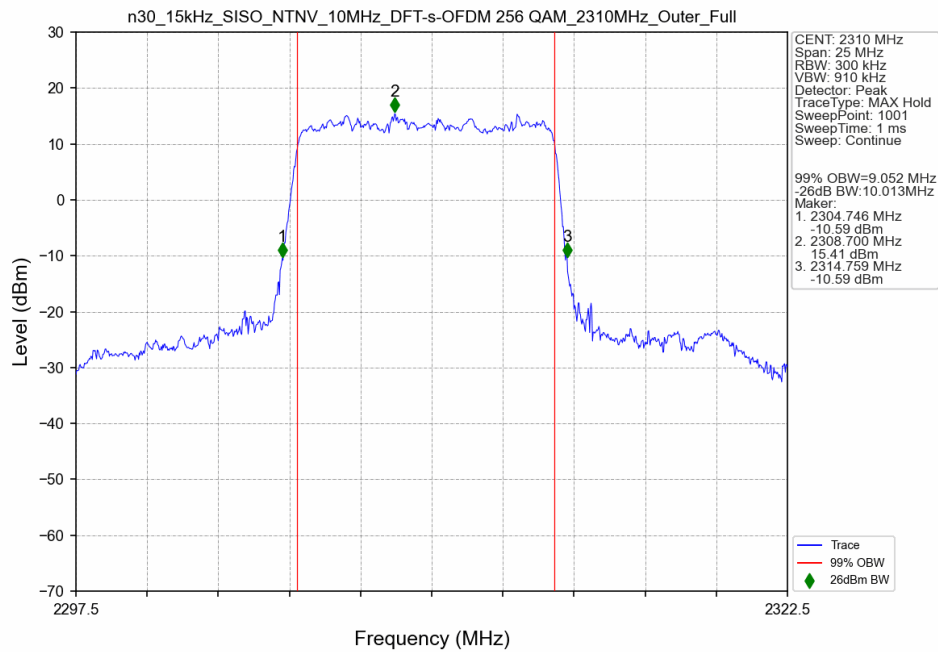
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2310MHz_Outer_Full_Ant2



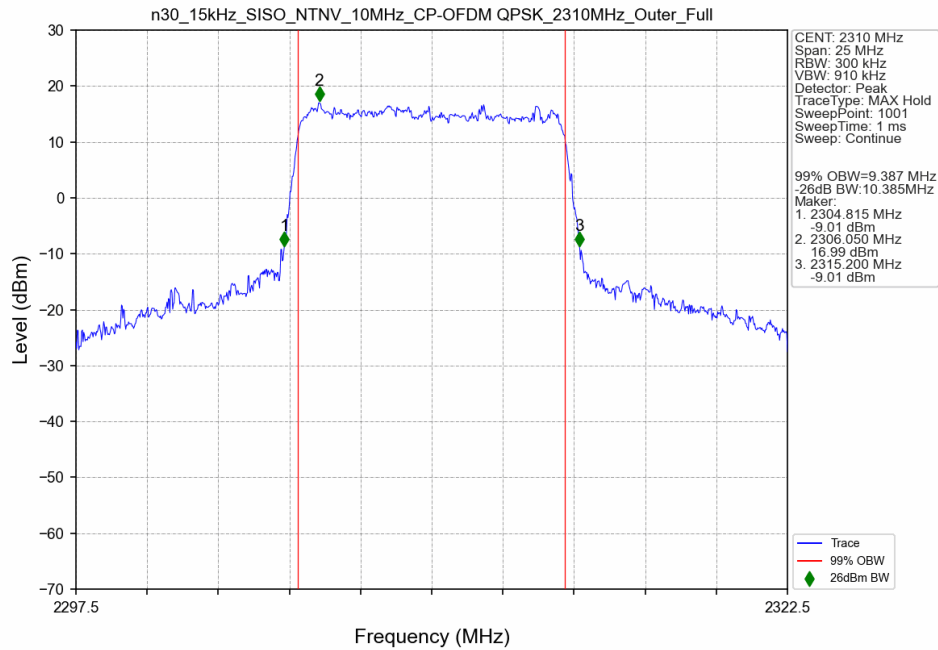
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2310MHz_Outer_Full_Ant2



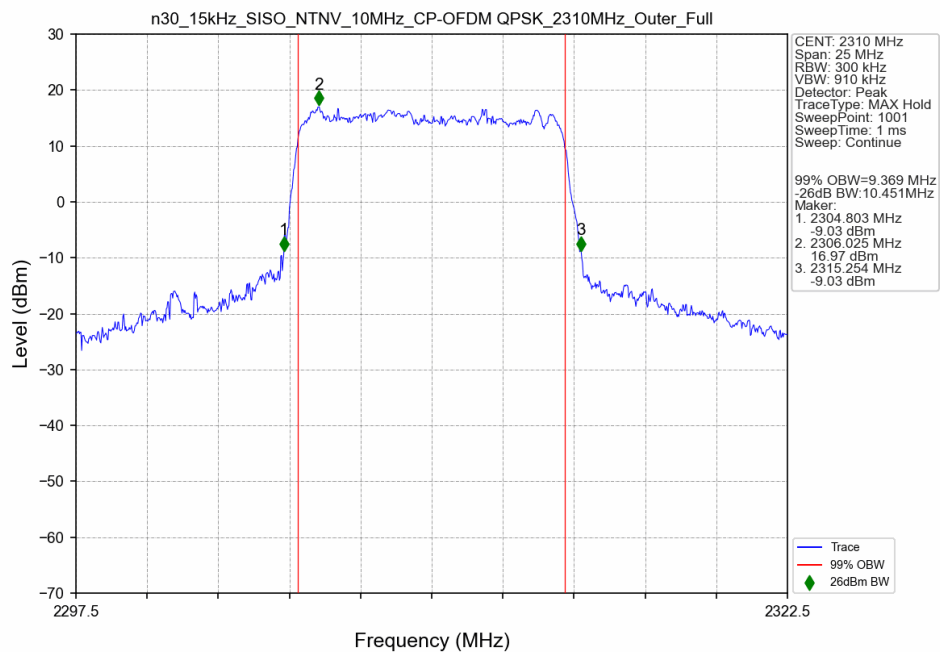
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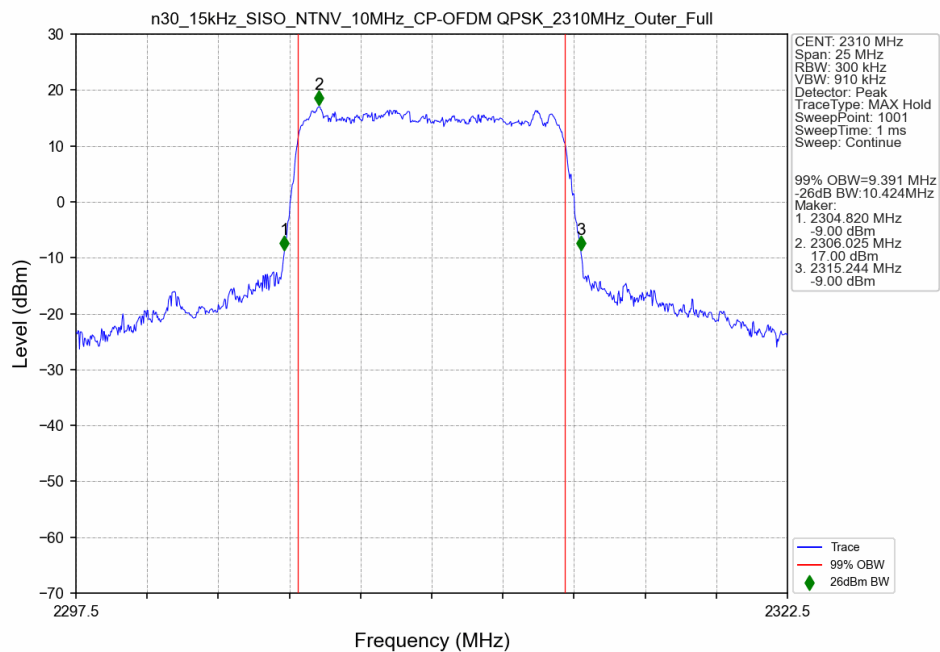
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Outer_Full_Ant2



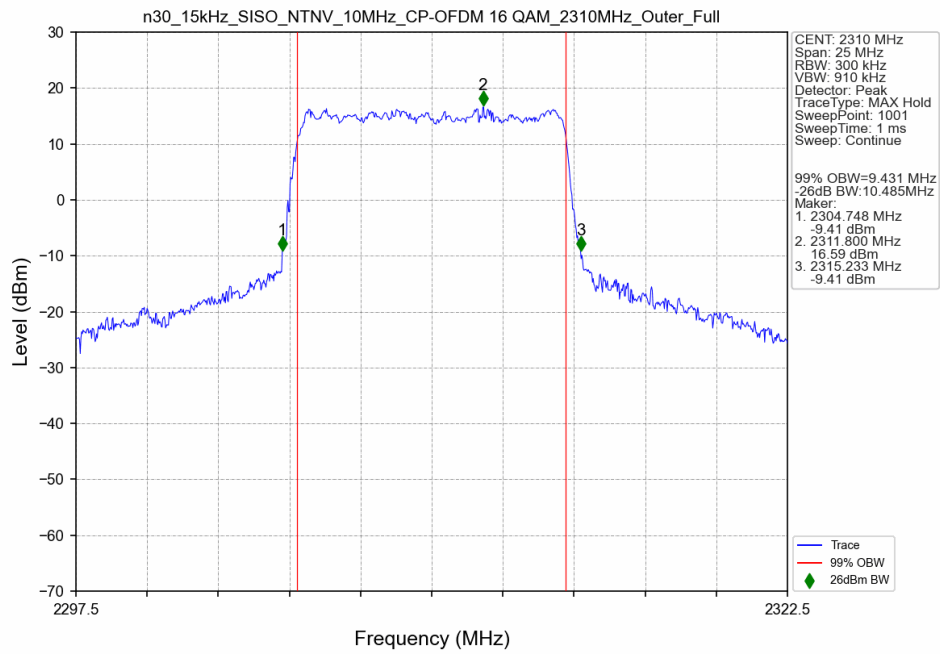
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Outer_Full_Ant2



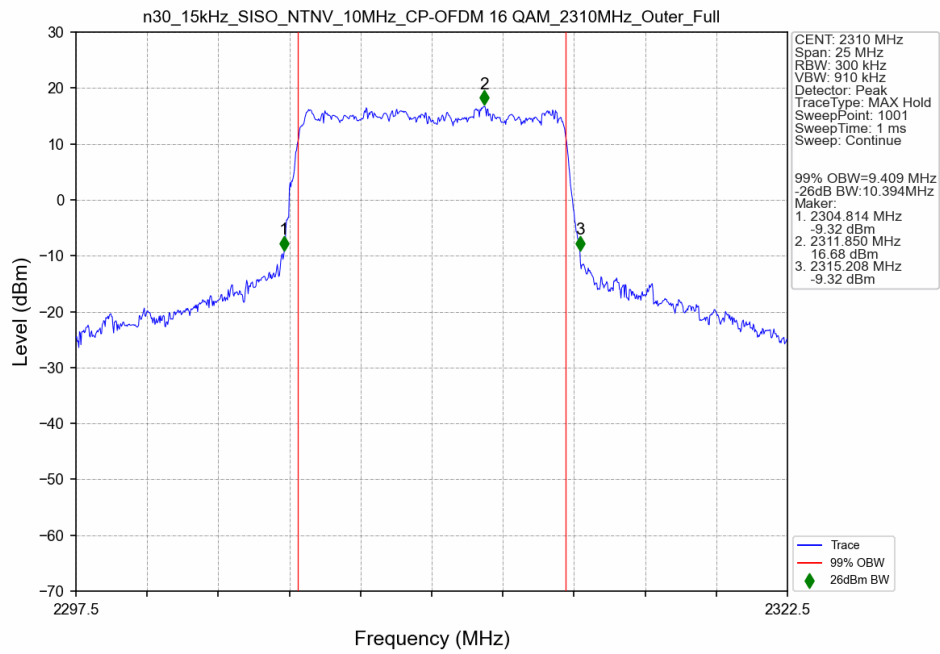
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Outer_Full_Ant2



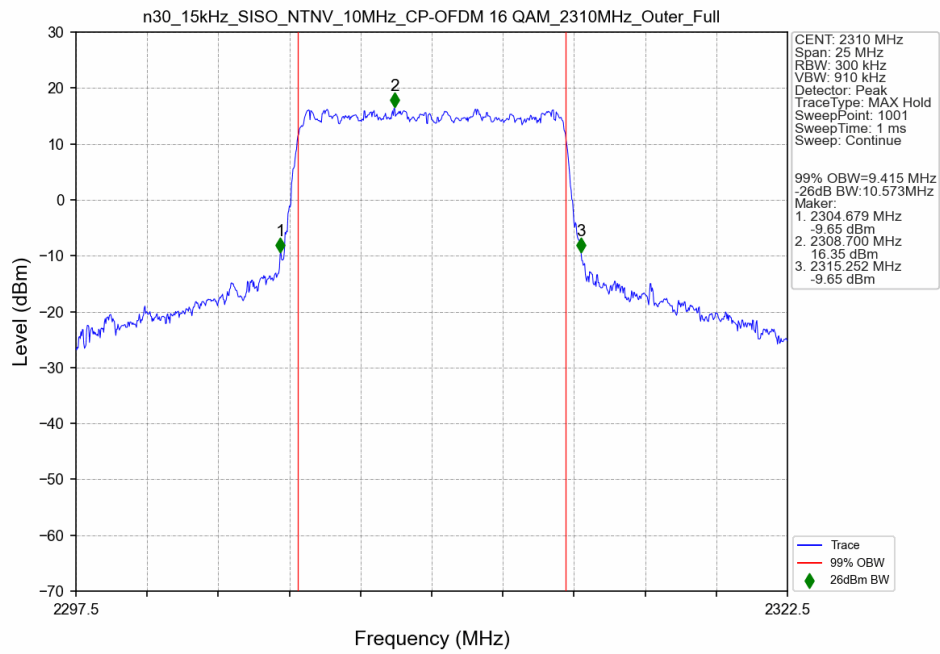
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_2310MHz_Outer_Full_Ant2



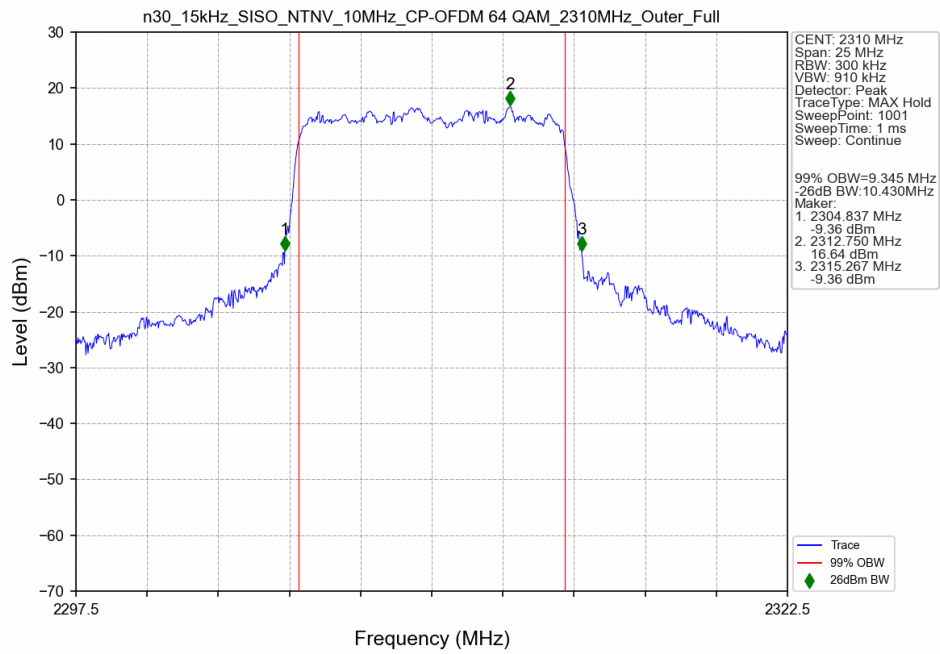
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_2310MHz_Outer_Full_Ant2



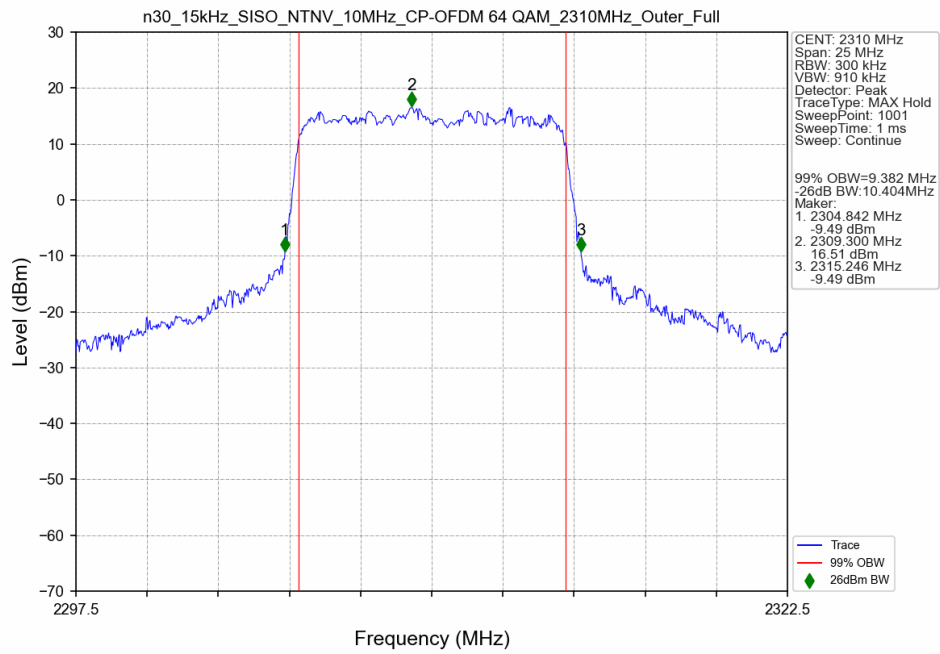
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 2310MHz Outer Full Ant2



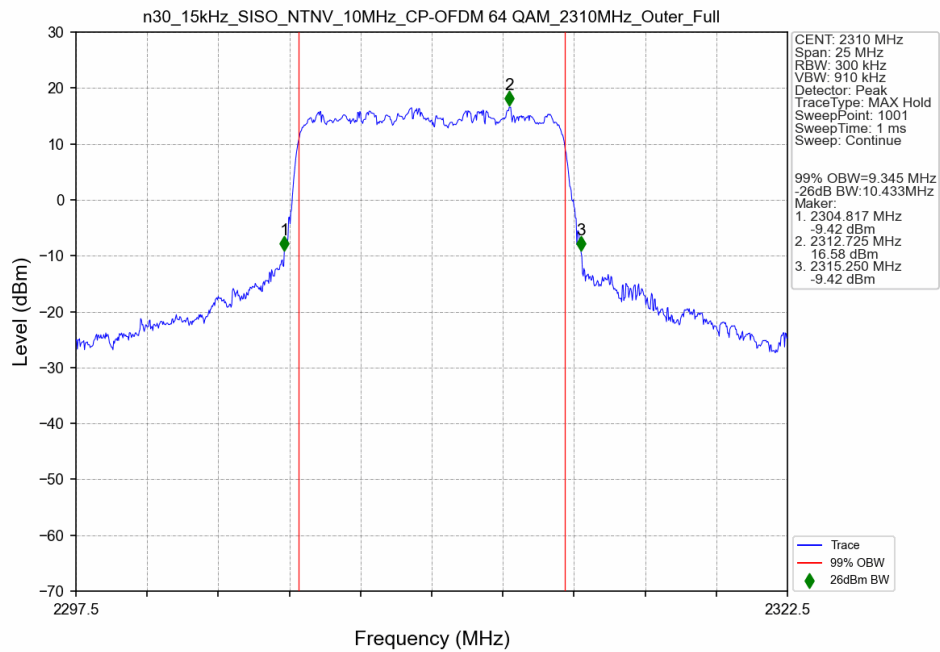
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2310MHz Outer Full Ant2



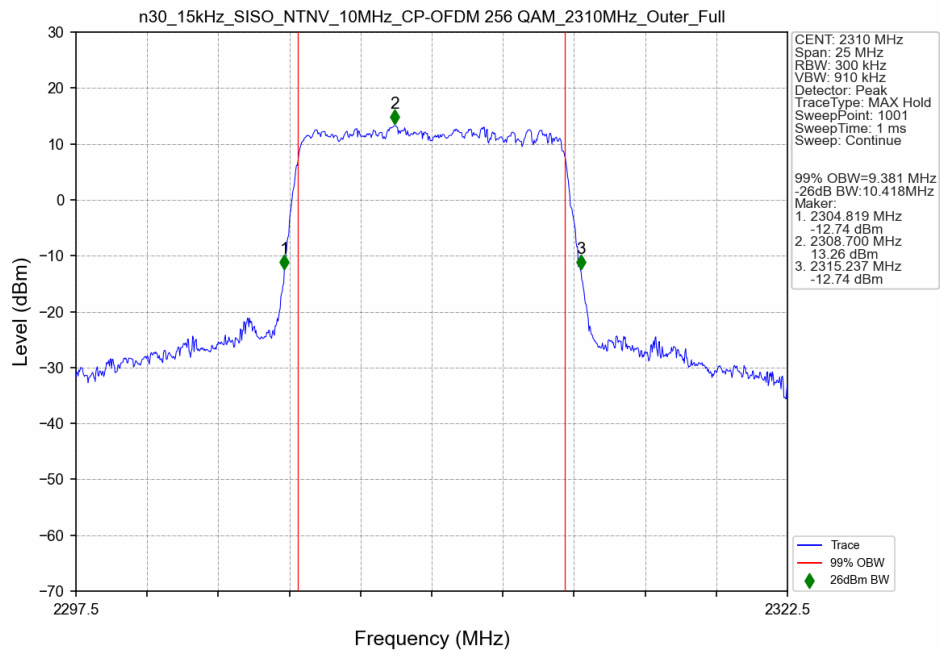
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_2310MHz_Outer_Full_Ant2



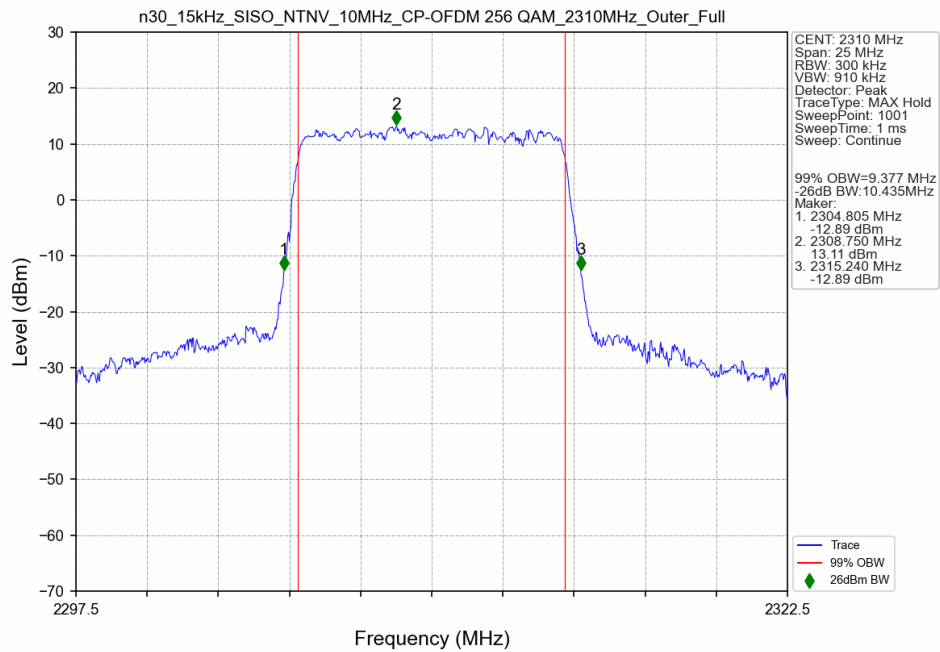
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_2310MHz_Outer_Full_Ant2

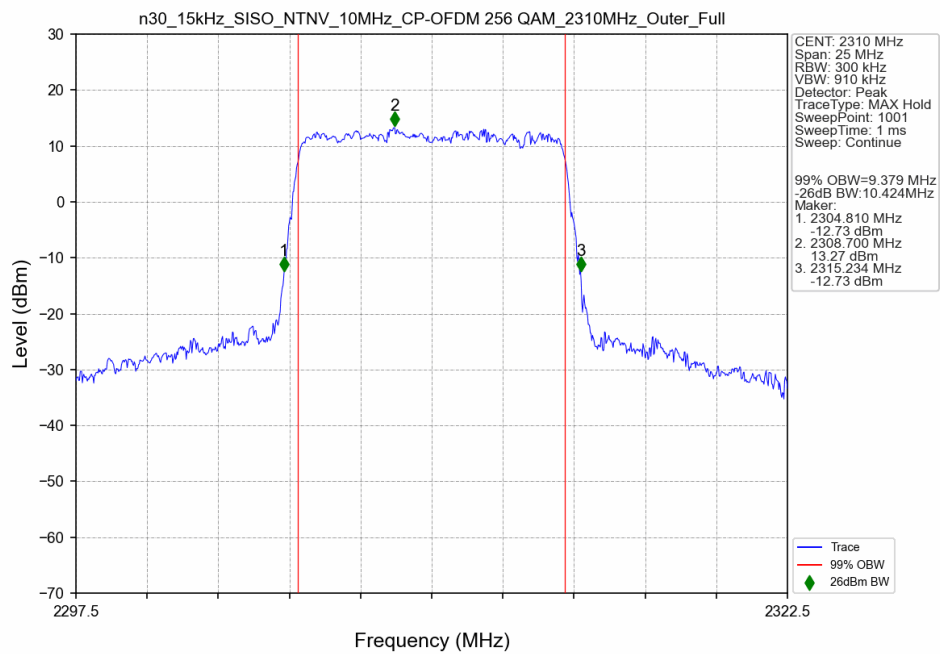


n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2310MHz_Outer_Full_Ant2



n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2310MHz_Outer_Full_Ant2





4. Peak-Average Ratio

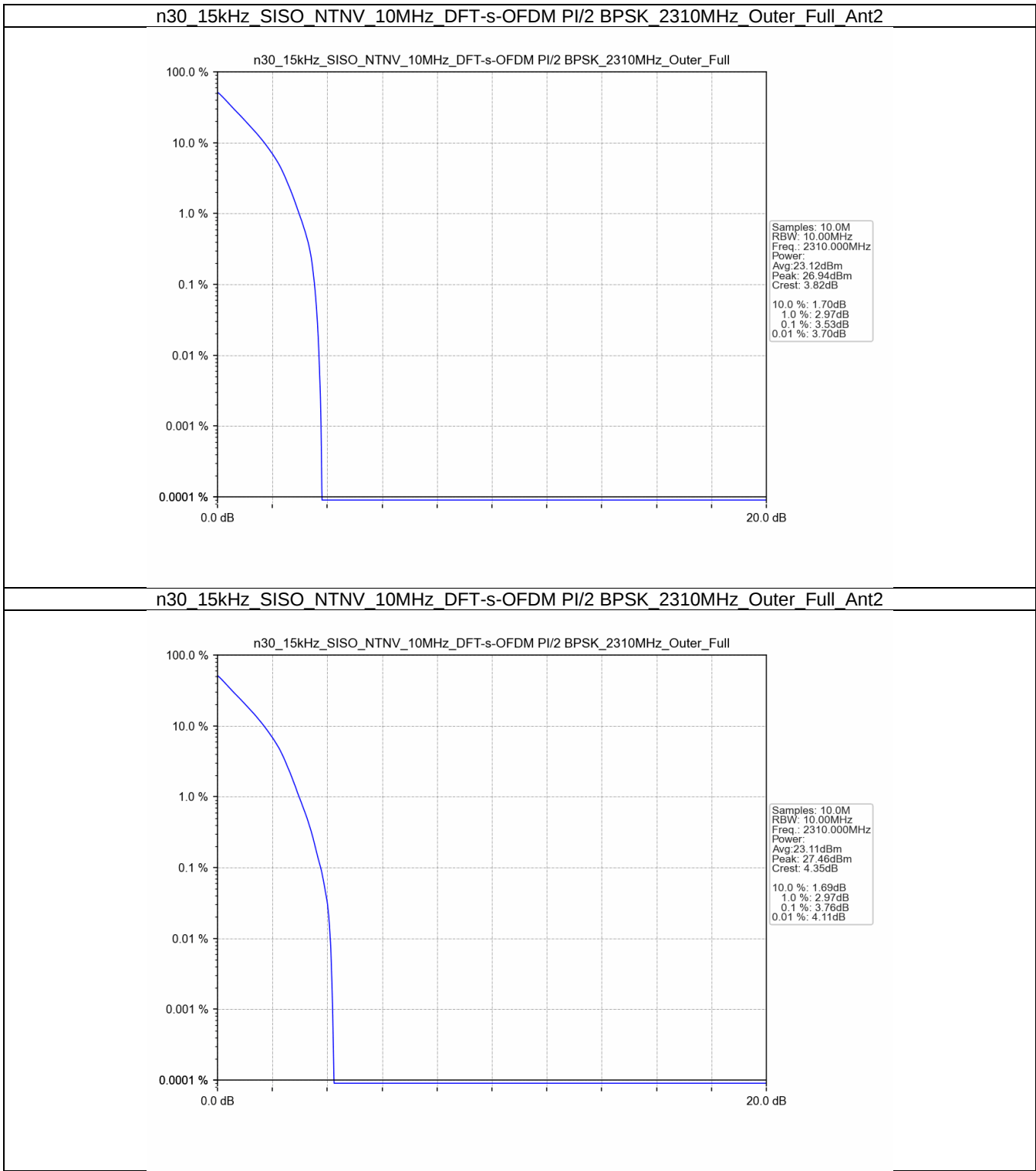
4.1 Test Result

4.1.1 15k_SISO_10MHz_NTNV

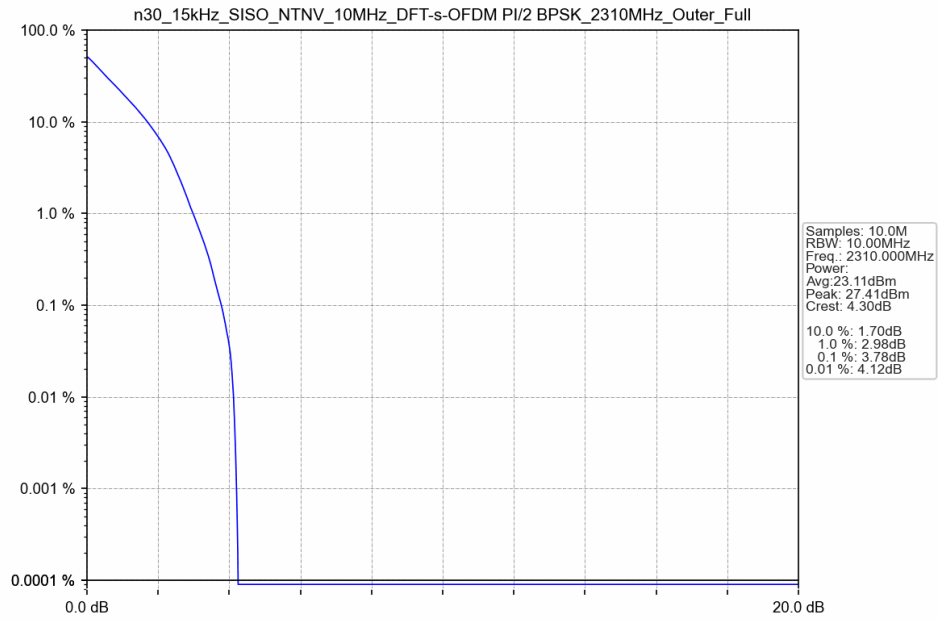
5G NR n30 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2310	Outer_Full	3.53	/	/	<=13	Pass
	2310	Outer_Full	3.76	/	/	<=13	Pass
	2310	Outer_Full	3.78	/	/	<=13	Pass
DFT-s-OFDM QPSK	2310	Outer_Full	4.30	/	/	<=13	Pass
	2310	Outer_Full	4.64	/	/	<=13	Pass
	2310	Outer_Full	4.28	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2310	Outer_Full	5.13	/	/	<=13	Pass
	2310	Outer_Full	5.15	/	/	<=13	Pass
	2310	Outer_Full	5.43	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2310	Outer_Full	5.62	/	/	<=13	Pass
	2310	Outer_Full	5.63	/	/	<=13	Pass
	2310	Outer_Full	5.57	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2310	Outer_Full	6.34	/	/	<=13	Pass
	2310	Outer_Full	6.34	/	/	<=13	Pass
	2310	Outer_Full	6.32	/	/	<=13	Pass
CP-OFDM QPSK	2310	Outer_Full	6.54	/	/	<=13	Pass
	2310	Outer_Full	6.52	/	/	<=13	Pass
	2310	Outer_Full	6.54	/	/	<=13	Pass
CP-OFDM 16 QAM	2310	Outer_Full	6.29	/	/	<=13	Pass
	2310	Outer_Full	6.37	/	/	<=13	Pass
	2310	Outer_Full	6.24	/	/	<=13	Pass
CP-OFDM 64 QAM	2310	Outer_Full	6.87	/	/	<=13	Pass
	2310	Outer_Full	6.94	/	/	<=13	Pass
	2310	Outer_Full	6.81	/	/	<=13	Pass
CP-OFDM 256 QAM	2310	Outer_Full	8.03	/	/	<=13	Pass
	2310	Outer_Full	8.04	/	/	<=13	Pass
	2310	Outer_Full	8.01	/	/	<=13	Pass

4.2 Test Graph

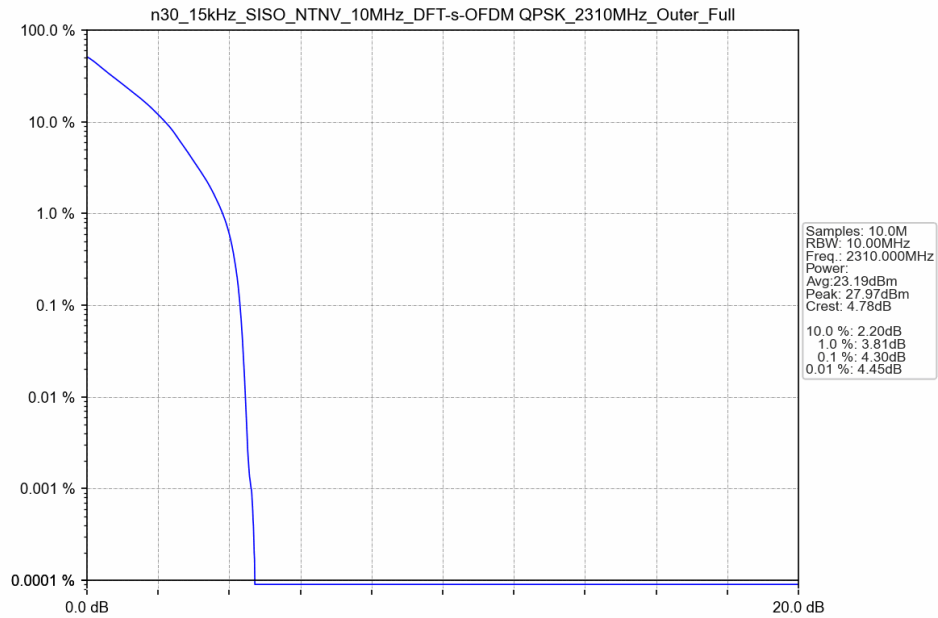
4.2.1 15k_SISO_10MHz_NTNV



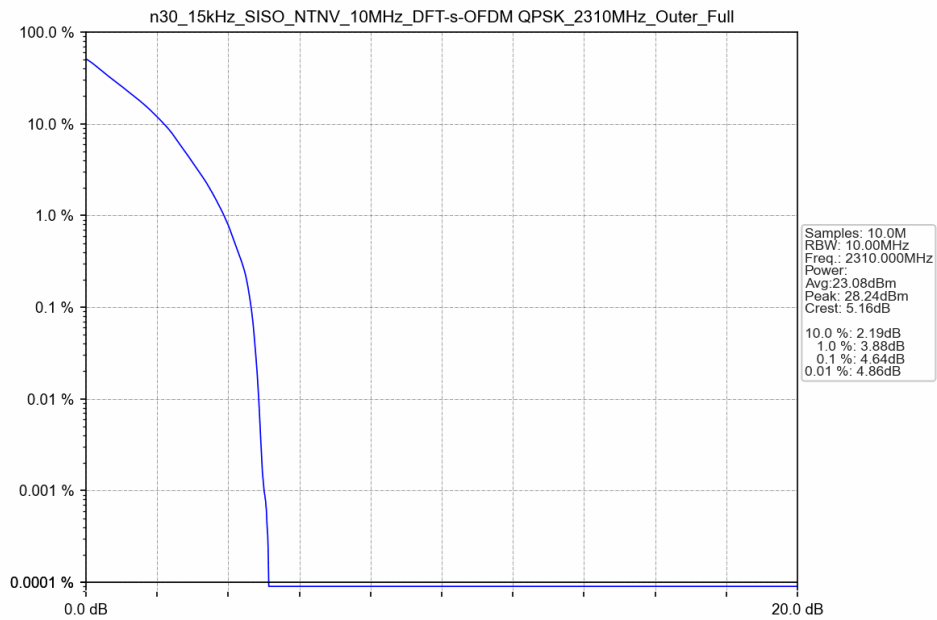
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2310MHz_Outer_Full_Ant2



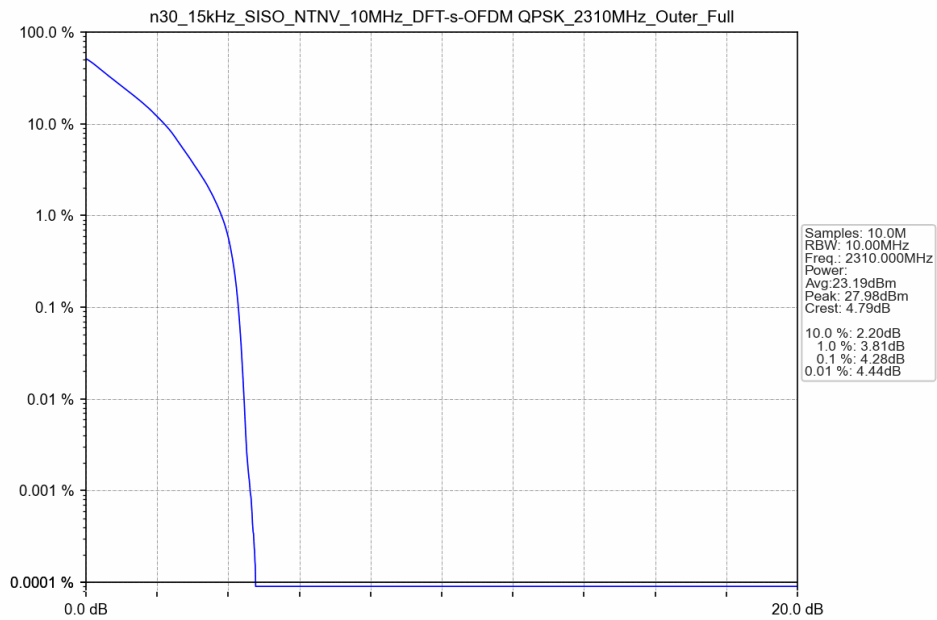
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2310MHz_Outer_Full_Ant2



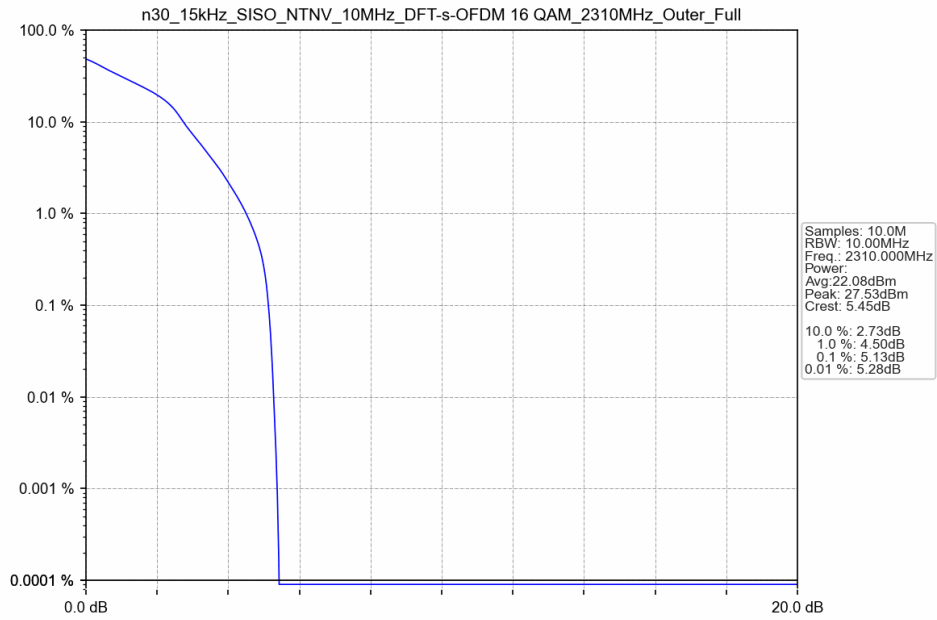
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Outer_Full_Ant2



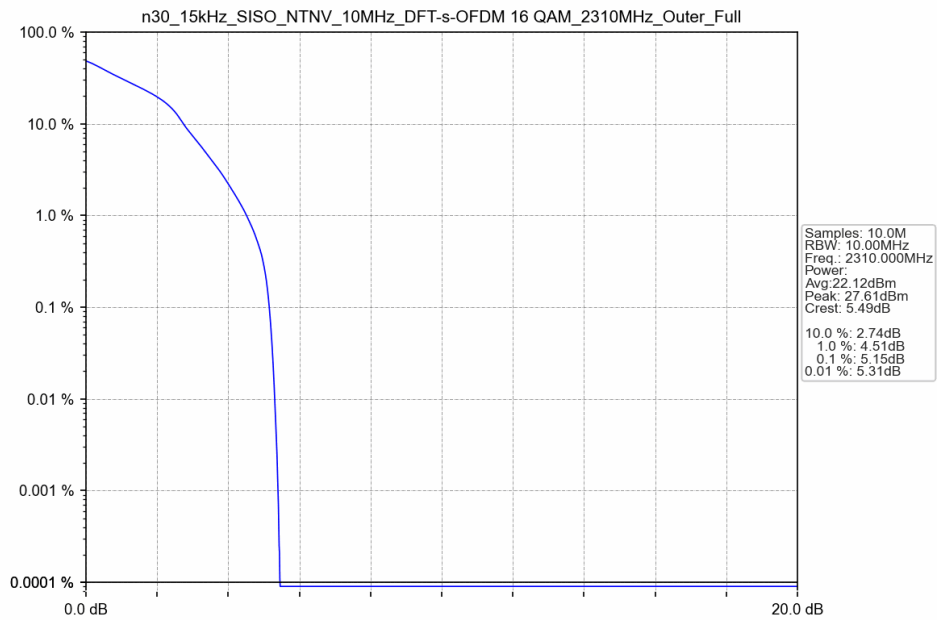
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Outer_Full_Ant2



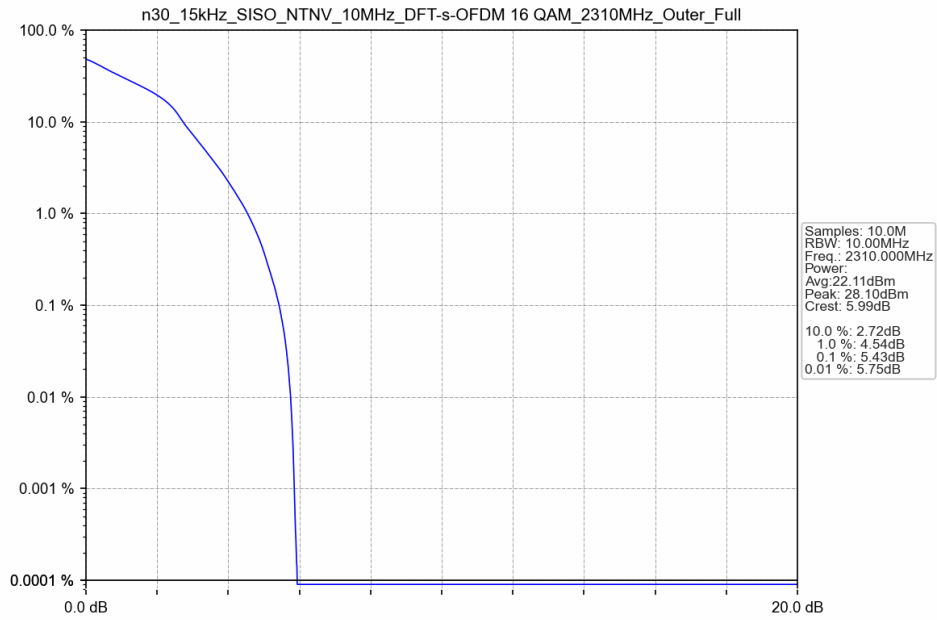
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_2310MHz_Outer_Full_Ant2



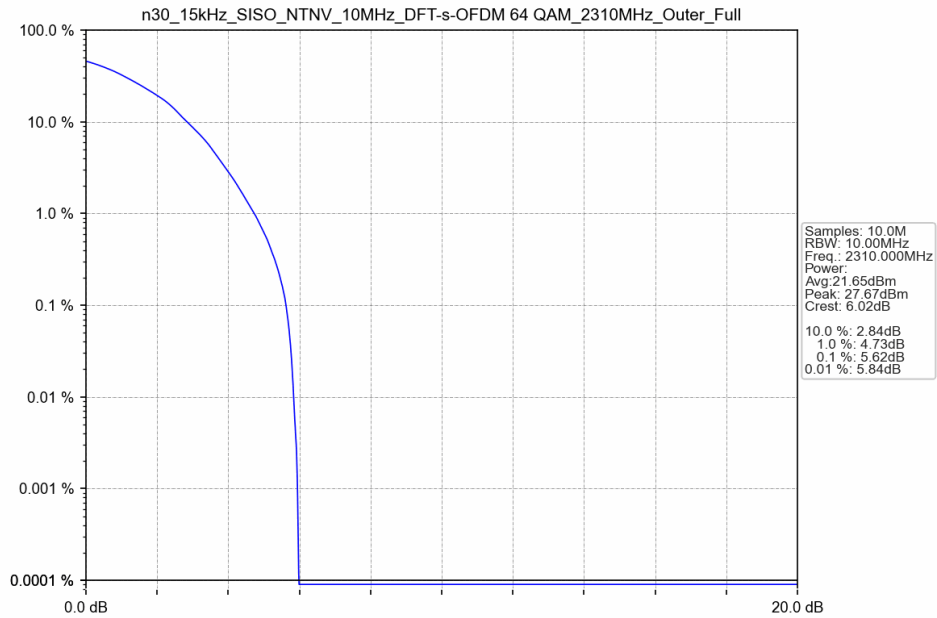
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_2310MHz_Outer_Full_Ant2



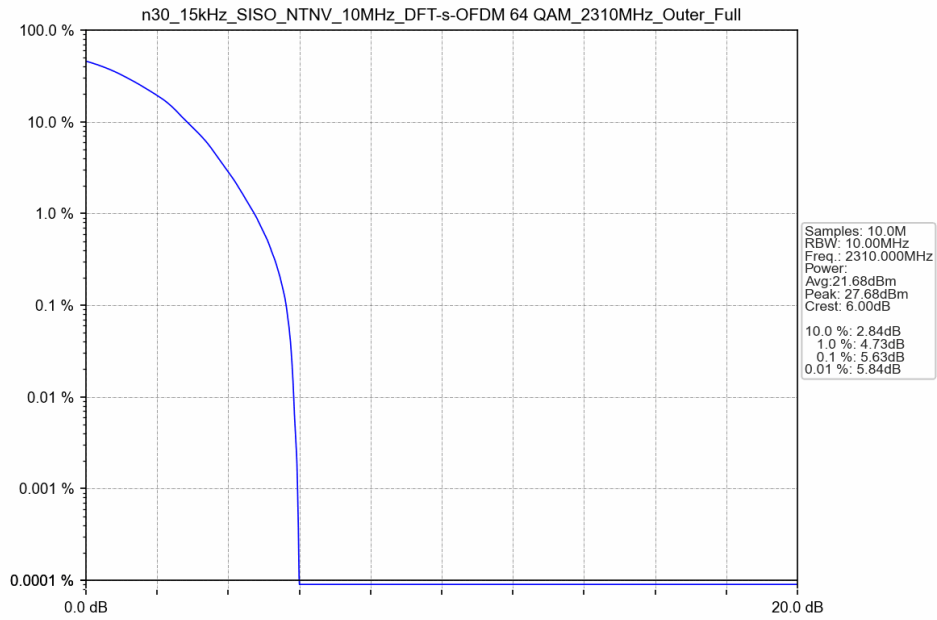
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_2310MHz_Outer_Full_Ant2



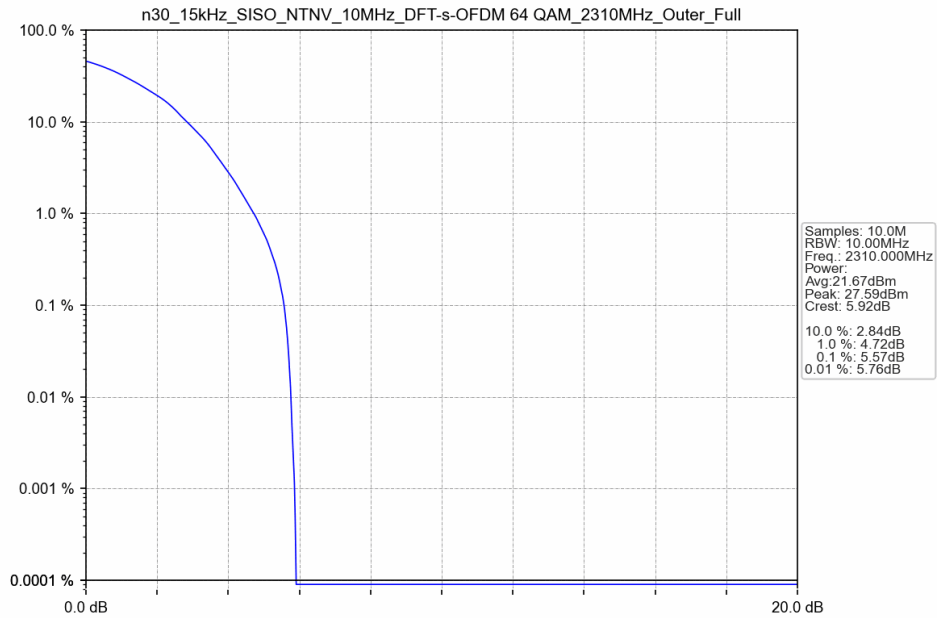
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2310MHz_Outer_Full_Ant2



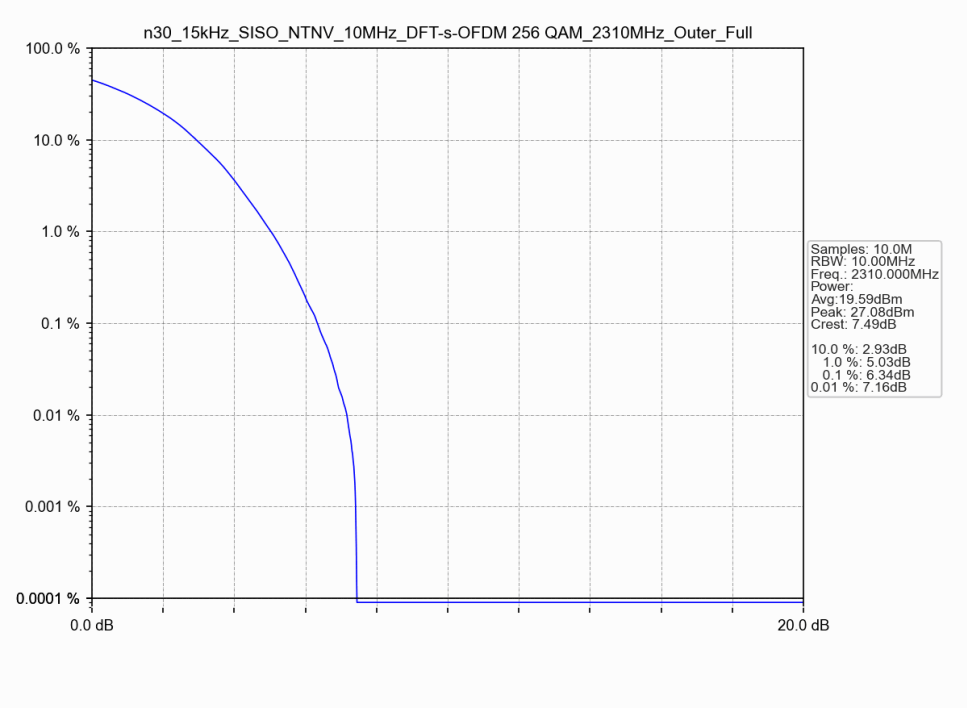
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2310MHz_Outer_Full_Ant2



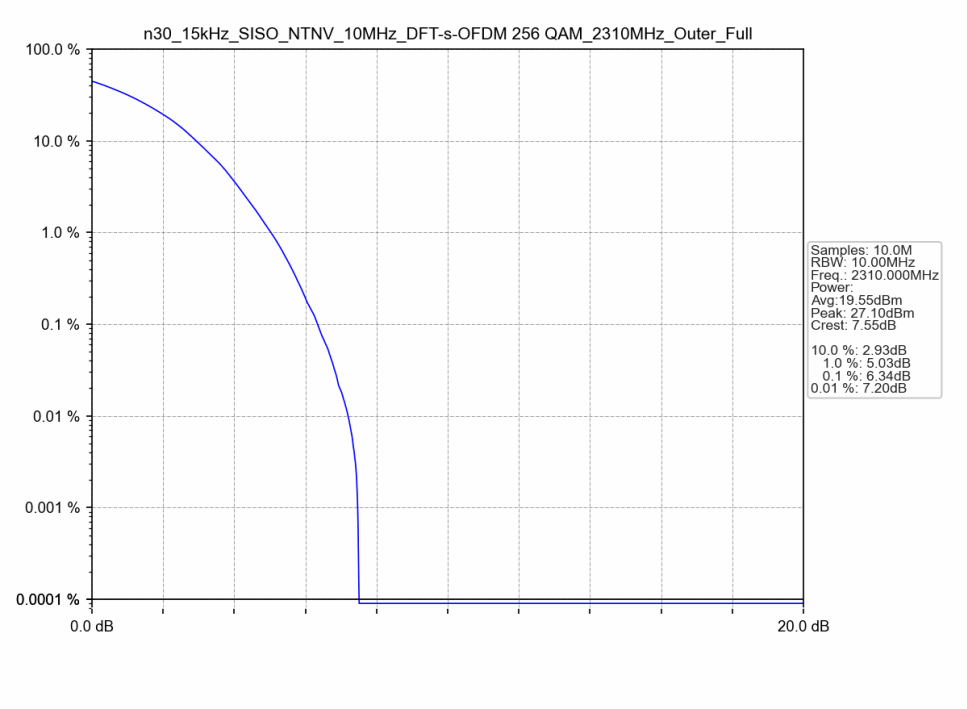
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2310MHz_Outer_Full_Ant2



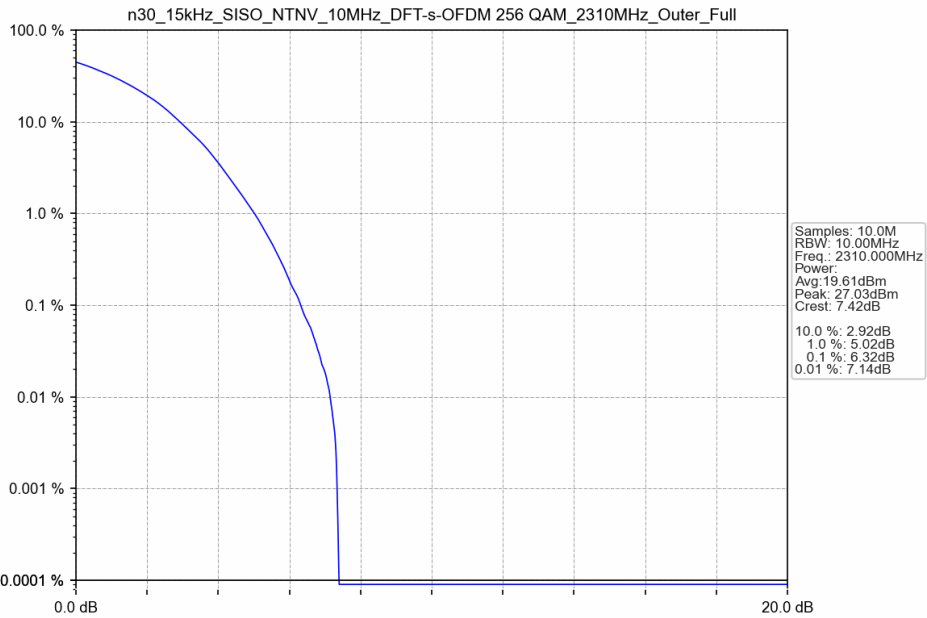
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2310MHz_Outer_Full_Ant2



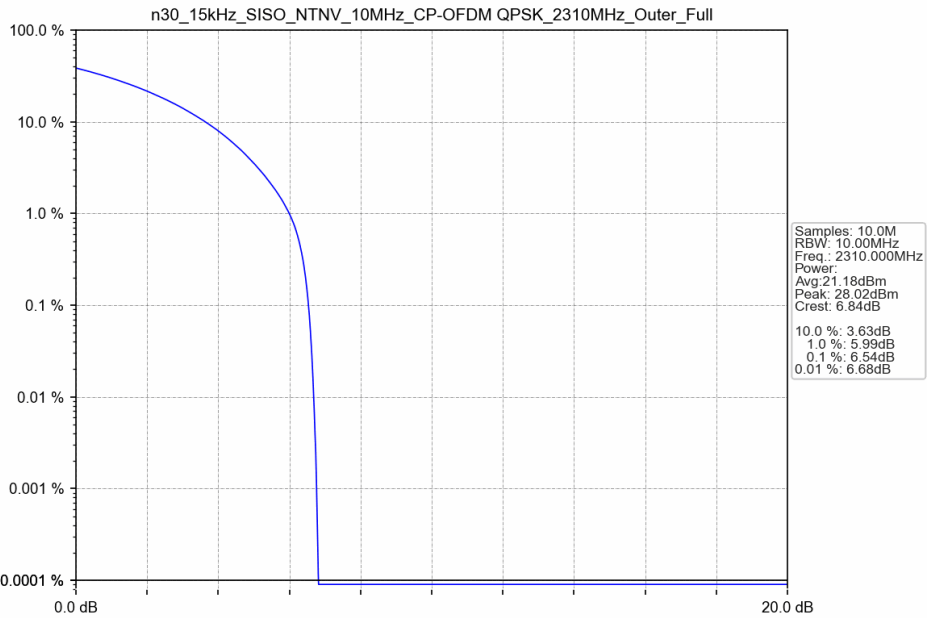
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2310MHz_Outer_Full_Ant2



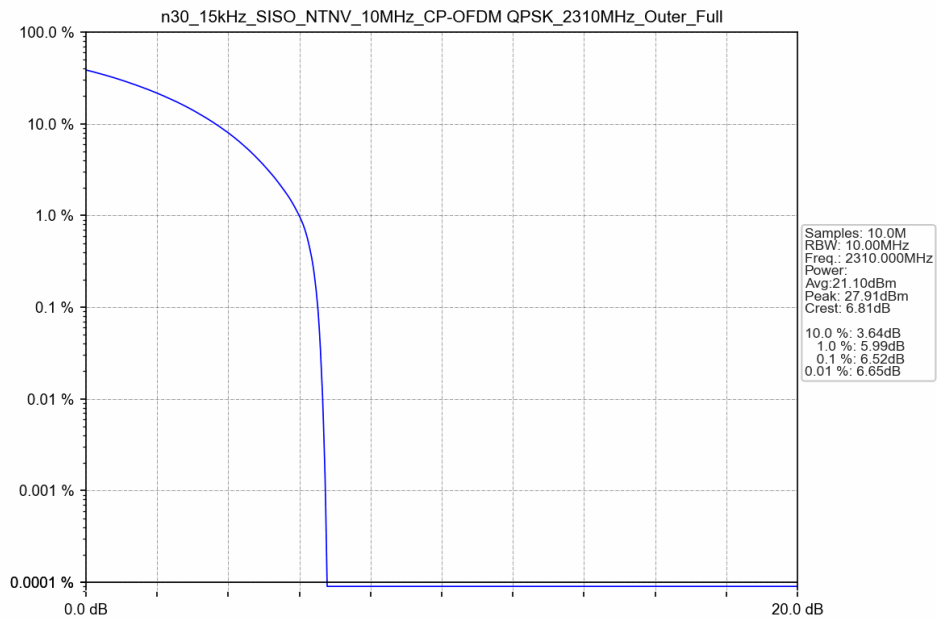
n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2310MHz_Outer_Full_Ant2



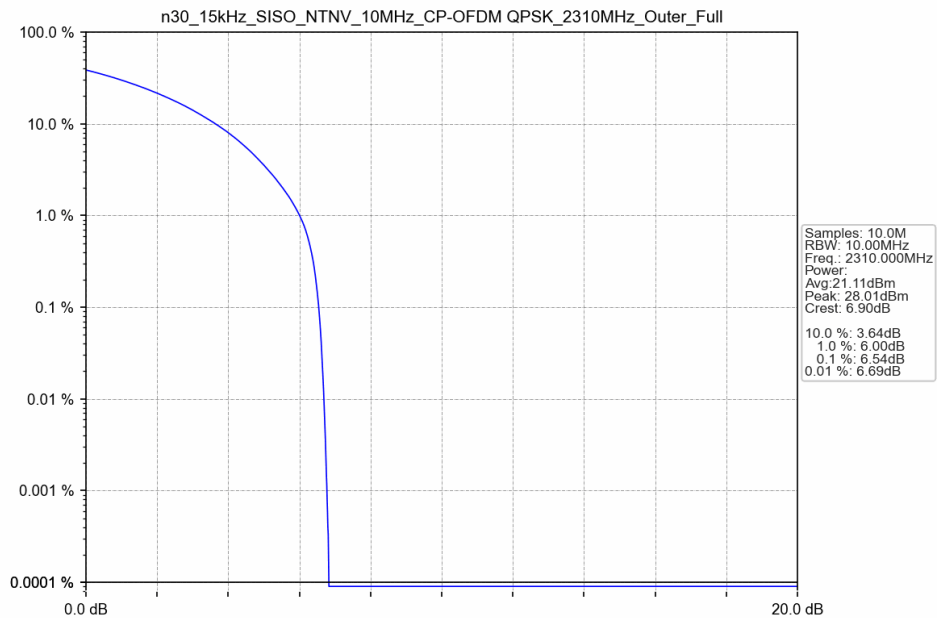
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Outer_Full_Ant2



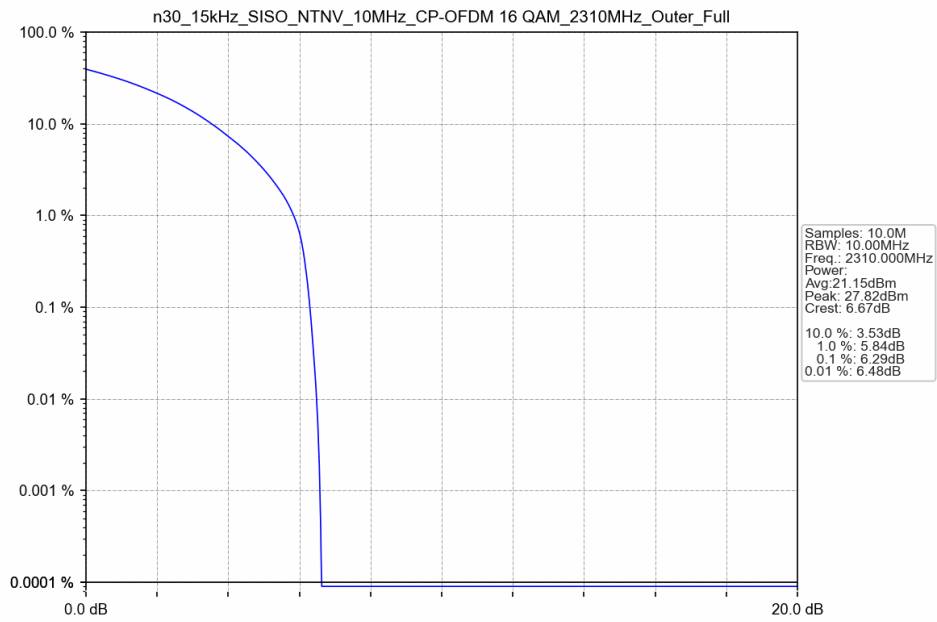
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Outer_Full_Ant2



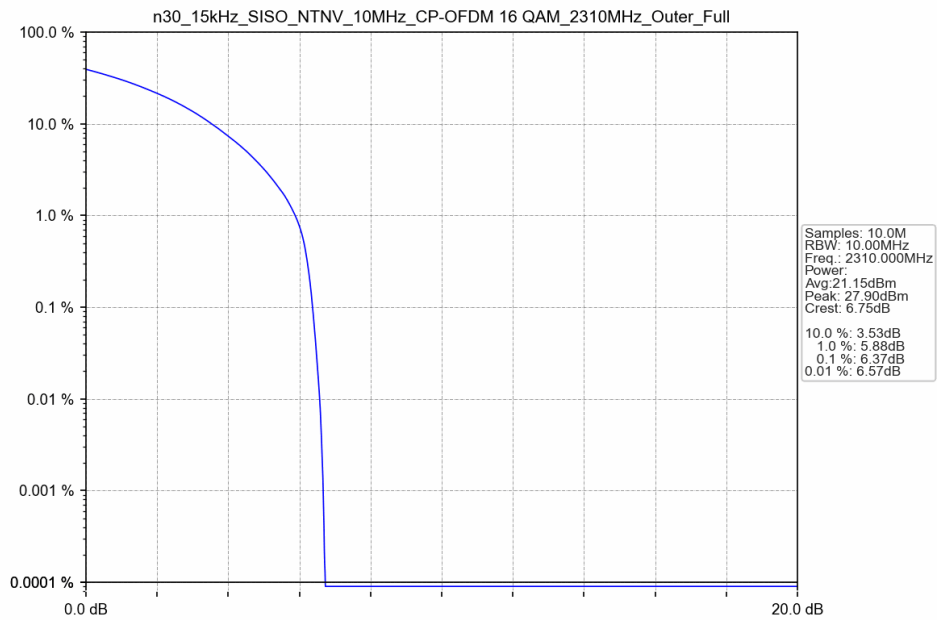
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2310MHz_Outer_Full_Ant2



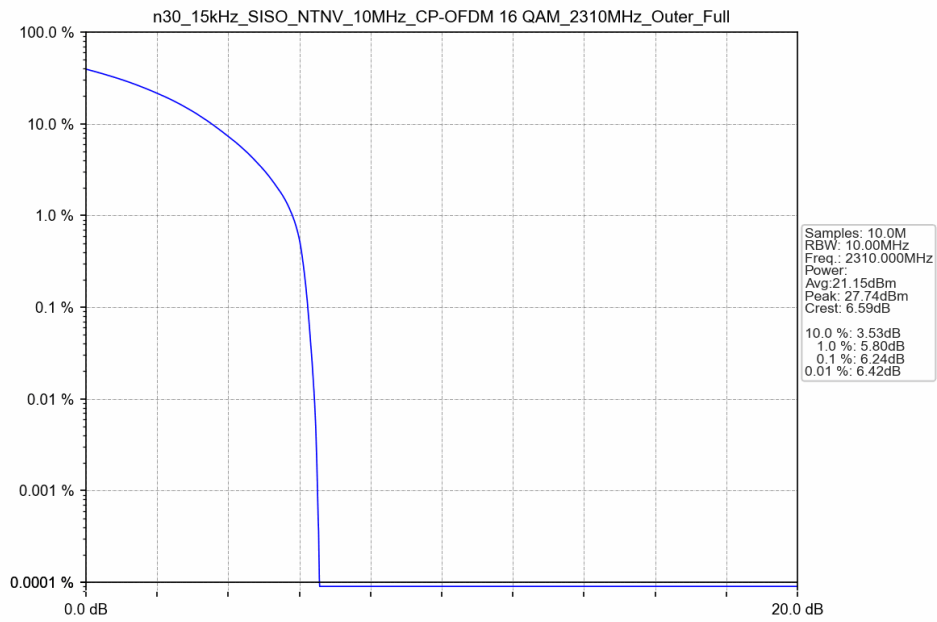
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_2310MHz_Outer_Full_Ant2



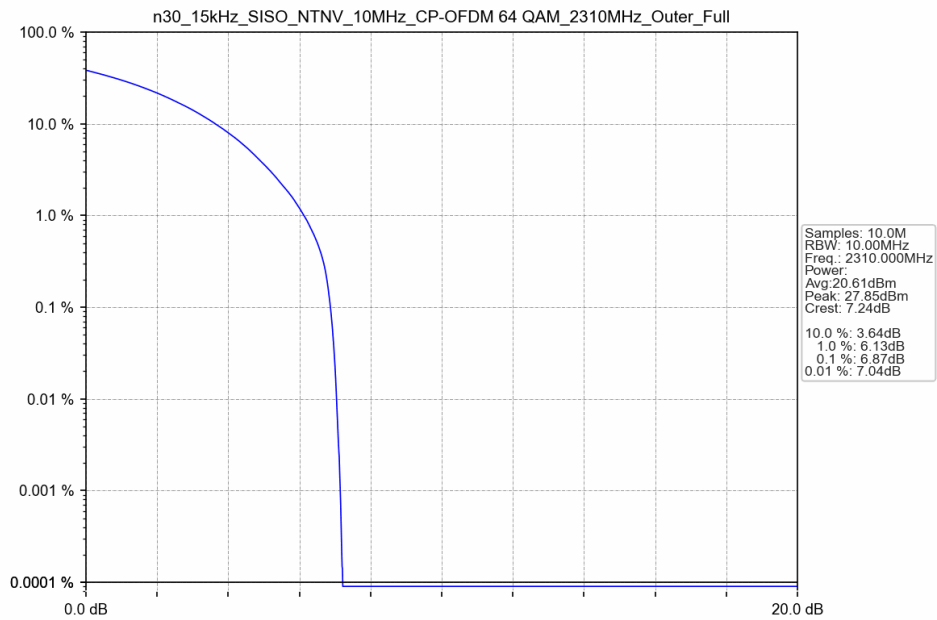
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_2310MHz_Outer_Full_Ant2



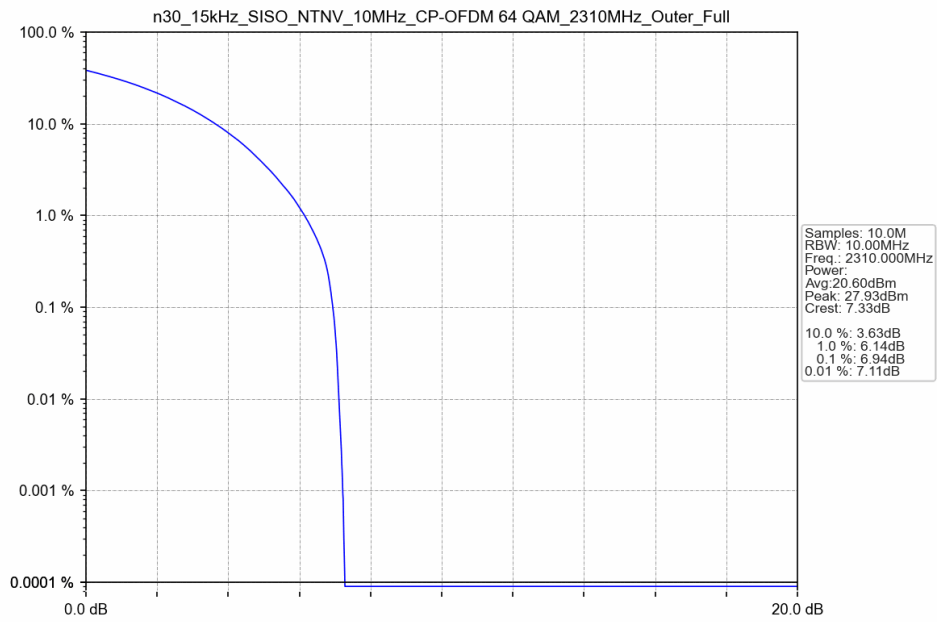
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 2310MHz_Outer_Full_Ant2



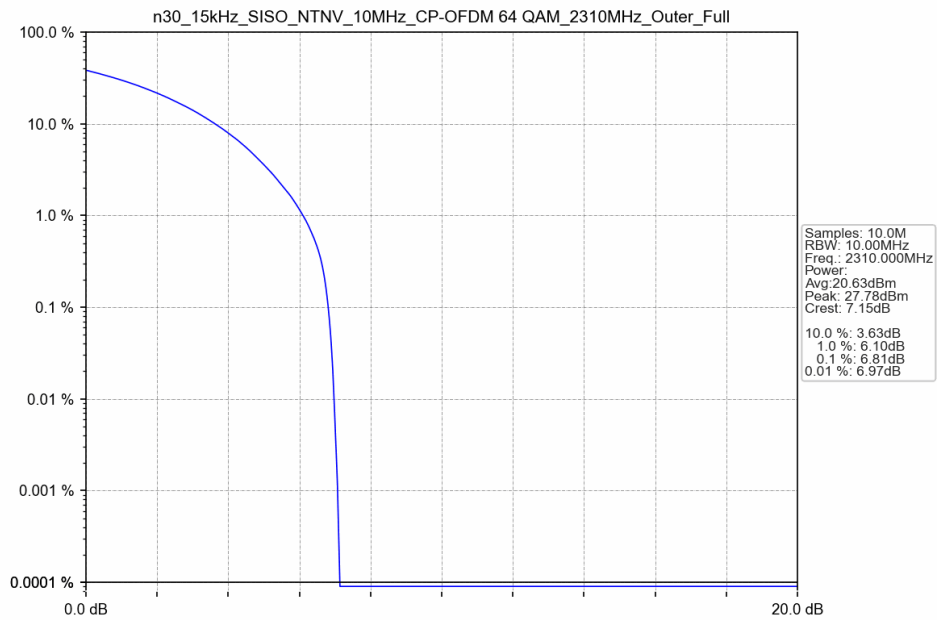
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2310MHz_Outer_Full_Ant2



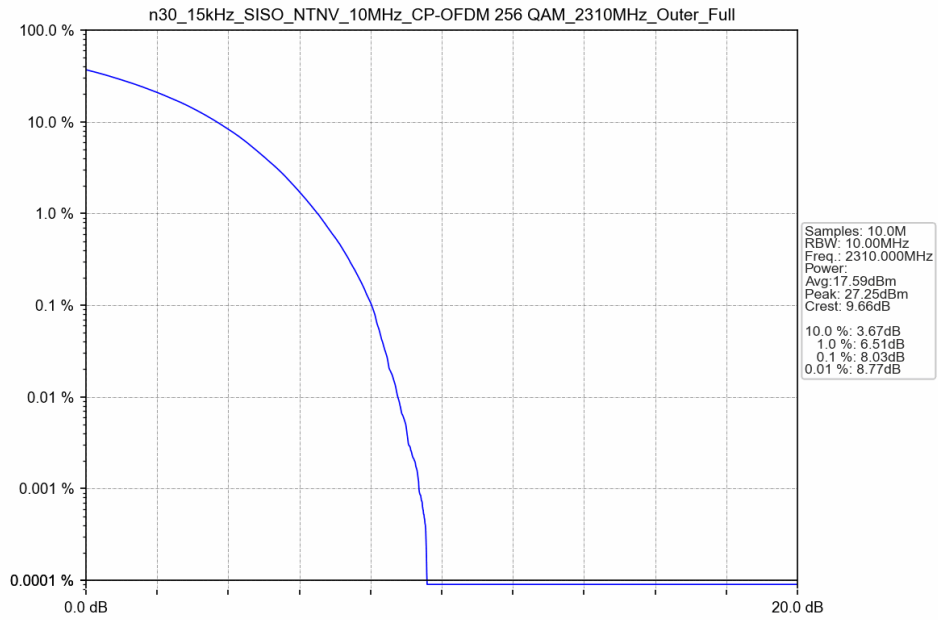
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_2310MHz_Outer_Full_Ant2



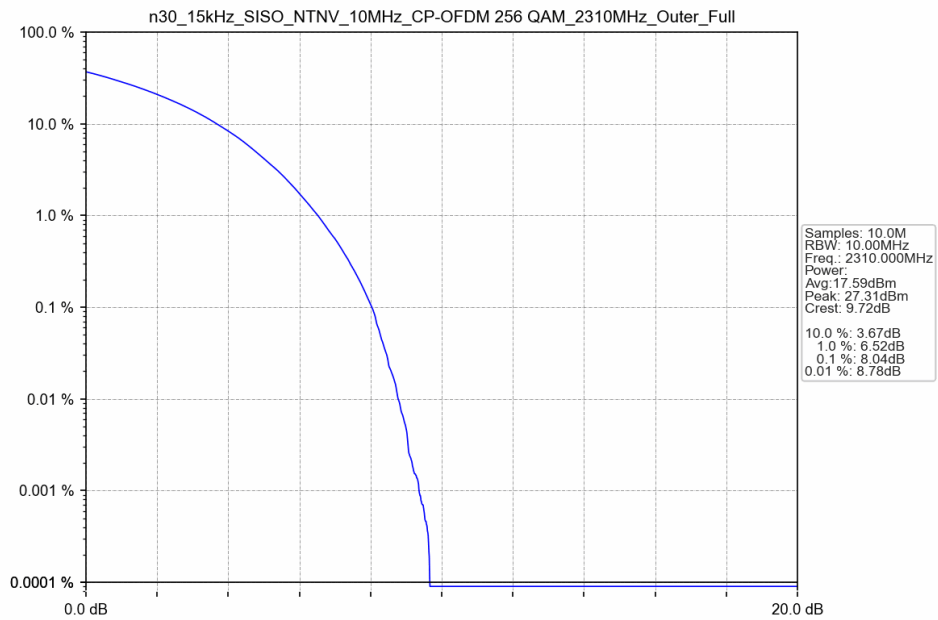
n30_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_2310MHz_Outer_Full_Ant2

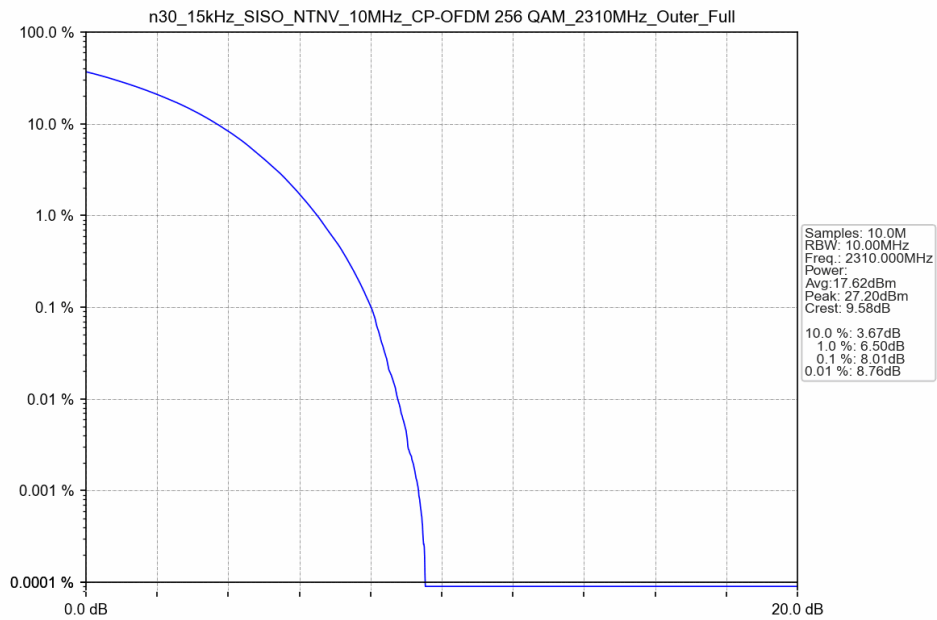


n30 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 2310MHz Outer Full Ant2



n30 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 2310MHz Outer Full Ant2





5. Spurious Emission

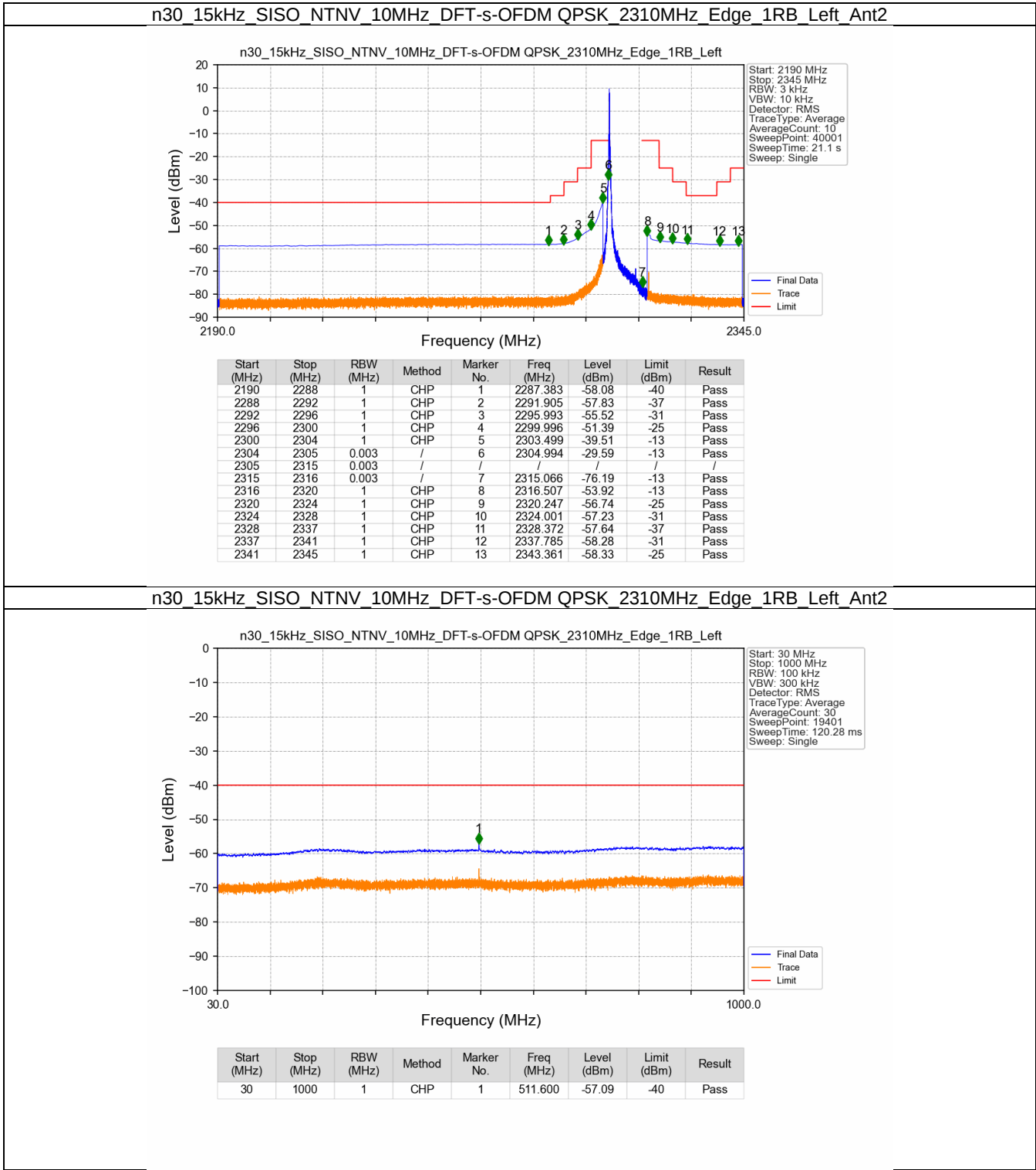
5.1 Test Result

5.1.1 15k_SISO_10MHz_NTNV

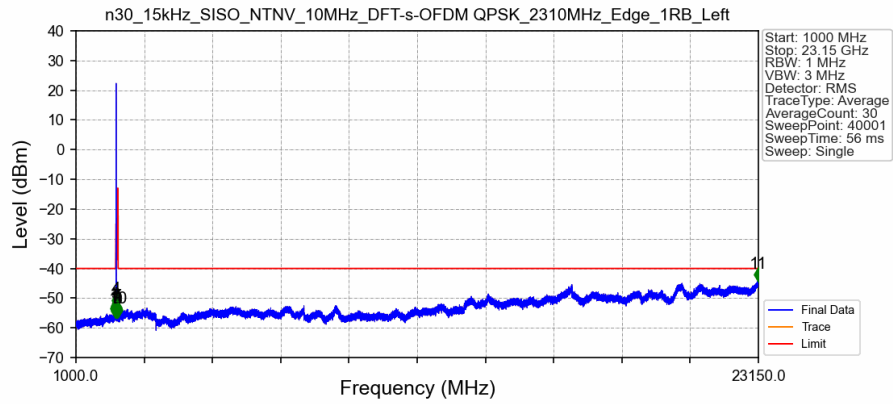
5G NR n30 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM QPSK	2310	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
		Inner 1RB Left	Refer To Test Graph				Pass
	2310	Edge 1RB Right	Refer To Test Graph				Pass
		Inner 1RB Right	Refer To Test Graph				Pass

5.2 Test Graph

5.2.1 15k_SISO_10MHz_NTNV

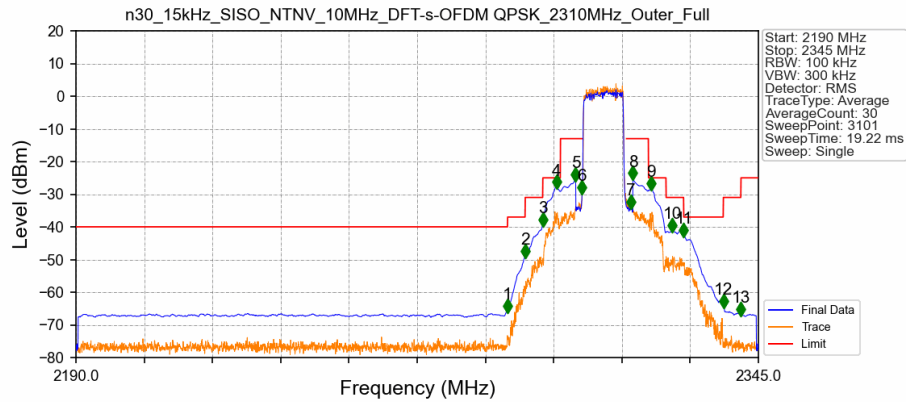


n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Edge_1RB_Left Ant2



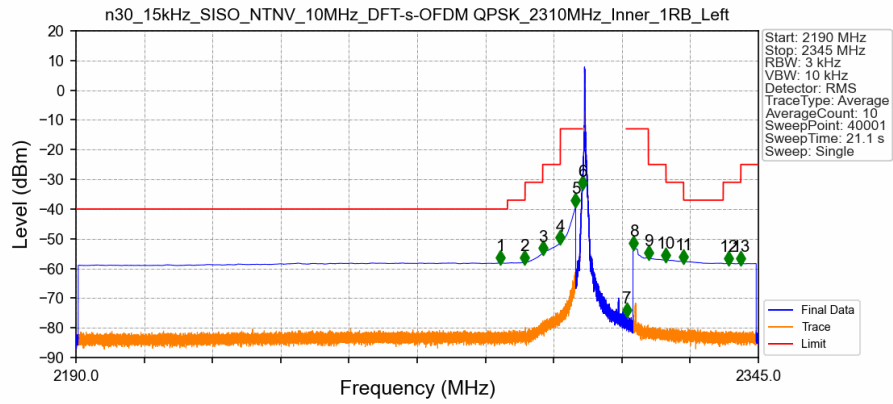
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2288	1	/	1	2250.921	-55.16	-40	Pass
2288	2292	1	/	2	2291.899	-55.97	-37	Pass
2292	2296	1	/	3	2294.668	-54.34	-31	Pass
2296	2300	1	/	4	2298.544	-52.51	-25	Pass
2300	2320	1	/	/	/	/	/	/
2320	2324	1	/	5	2320.694	-54.80	-25	Pass
2324	2328	1	/	6	2326.231	-55.67	-31	Pass
2328	2337	1	/	7	2329.000	-54.96	-37	Pass
2337	2341	1	/	8	2337.306	-55.94	-31	Pass
2341	2345	1	/	9	2343.951	-55.51	-25	Pass
2345	2365	1	/	10	2359.456	-55.76	-13	Pass
2365	23150	1	/	11	23147.231	-43.85	-40	Pass

n30_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2310MHz_Outer_Full Ant2



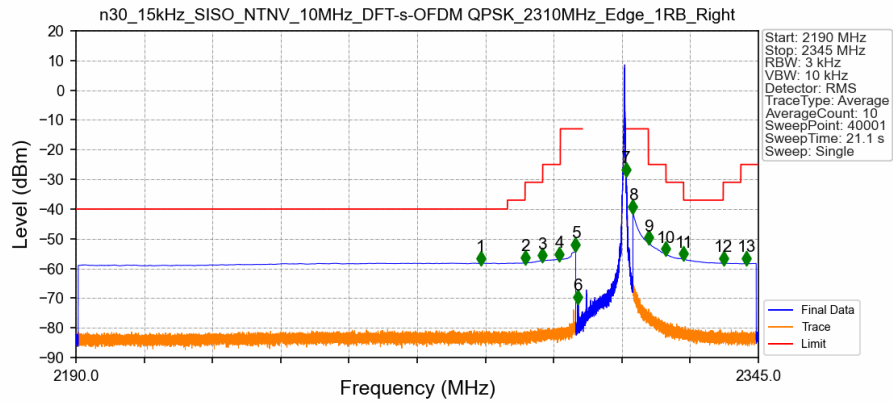
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-65.74	-40	Pass
2288	2292	1	CHP	2	2292.000	-48.94	-37	Pass
2292	2296	1	CHP	3	2296.000	-39.29	-31	Pass
2296	2300	1	CHP	4	2299.150	-27.81	-25	Pass
2300	2304	1	CHP	5	2303.500	-25.43	-13	Pass
2304	2305	0.10106	CHP	6	2304.950	-29.53	-13	Pass
2305	2315	0.10106	CHP	/	/	/	/	/
2315	2316	0.10106	CHP	7	2316.000	-33.91	-13	Pass
2316	2320	1	CHP	8	2316.500	-25.11	-13	Pass
2320	2324	1	CHP	9	2320.600	-28.27	-25	Pass
2324	2328	1	CHP	10	2325.450	-41.04	-31	Pass
2328	2337	1	CHP	11	2328.050	-42.46	-37	Pass
2337	2341	1	CHP	12	2337.050	-64.20	-31	Pass
2341	2345	1	CHP	13	2341.050	-66.74	-25	Pass

n30 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 2310MHz Inner 1RB Left Ant2



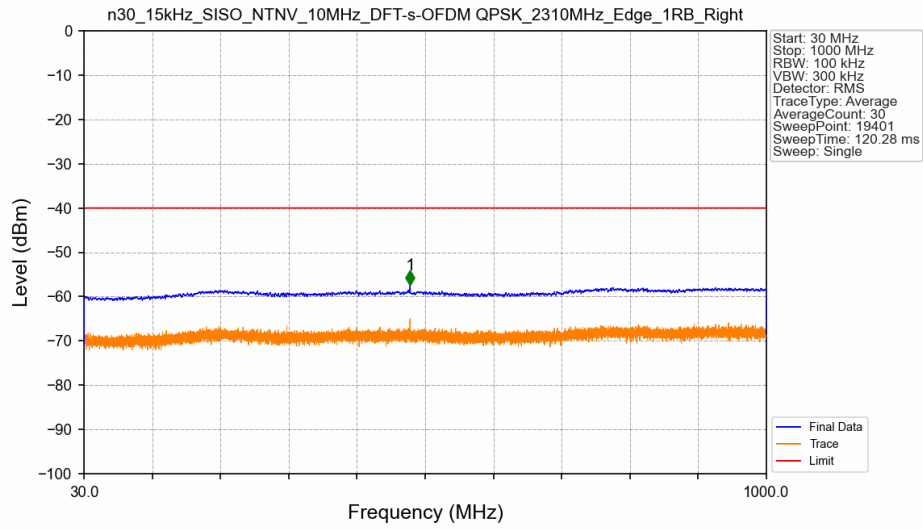
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2286.425	-58.08	-40	Pass
2288	2292	1	CHP	2	2291.897	-57.95	-37	Pass
2292	2296	1	CHP	3	2295.997	-54.89	-31	Pass
2296	2300	1	CHP	4	2299.996	-51.40	-25	Pass
2300	2304	1	CHP	5	2303.499	-38.65	-13	Pass
2304	2305	0.003	/	6	2304.991	-32.87	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.101	-75.58	-13	Pass
2316	2320	1	CHP	8	2316.685	-53.15	-13	Pass
2320	2324	1	CHP	9	2320.002	-56.38	-25	Pass
2324	2328	1	CHP	10	2324.001	-57.19	-31	Pass
2328	2337	1	CHP	11	2328.000	-57.66	-37	Pass
2337	2341	1	CHP	12	2338.265	-58.20	-31	Pass
2341	2345	1	CHP	13	2341.005	-58.29	-25	Pass

n30 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 2310MHz Edge 1RB Right Ant2

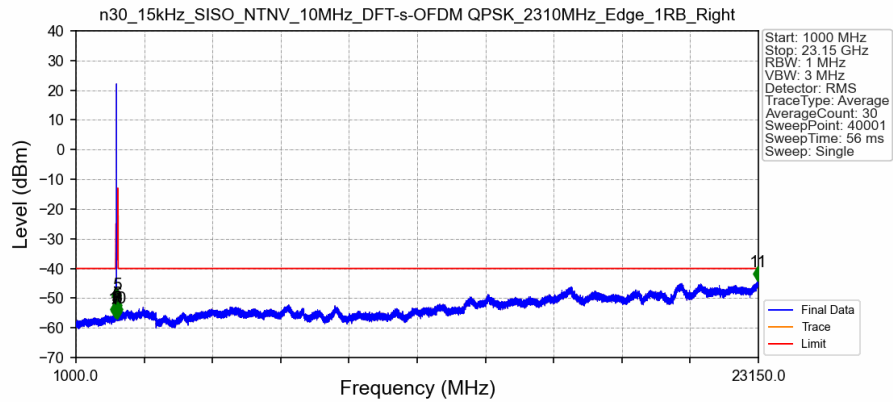


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2281.934	-58.20	-40	Pass
2288	2292	1	CHP	2	2291.998	-58.12	-37	Pass
2292	2296	1	CHP	3	2295.977	-57.38	-31	Pass
2296	2300	1	CHP	4	2299.818	-56.92	-25	Pass
2300	2304	1	CHP	5	2303.499	-53.70	-13	Pass
2304	2305	0.003	/	6	2304.014	-71.37	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.008	-28.44	-13	Pass
2316	2320	1	CHP	8	2316.503	-40.96	-13	Pass
2320	2324	1	CHP	9	2320.002	-51.35	-25	Pass
2324	2328	1	CHP	10	2324.001	-55.20	-31	Pass
2328	2337	1	CHP	11	2328.000	-56.82	-37	Pass
2337	2341	1	CHP	12	2337.072	-58.23	-31	Pass
2341	2345	1	CHP	13	2342.315	-58.32	-25	Pass

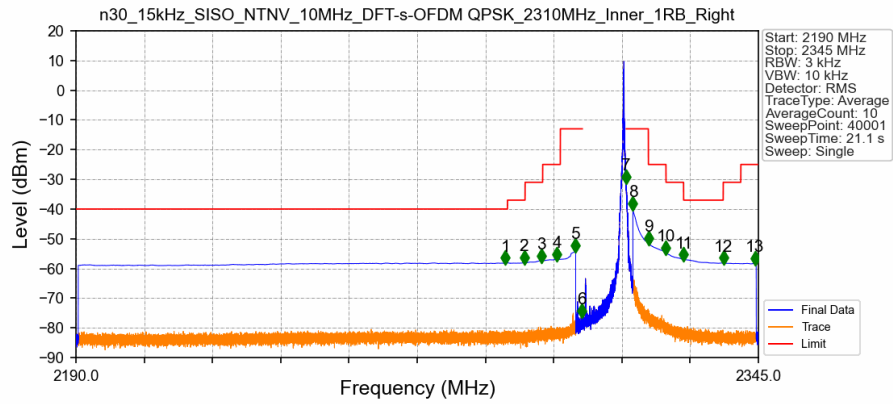
n30 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 2310MHz Edge 1RB Right Ant2



n30 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 2310MHz Edge 1RB Right Ant2



n30 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 2310MHz Inner 1RB Right Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.534	-58.14	-40	Pass
2288	2292	1	CHP	2	2291.800	-58.04	-37	Pass
2292	2296	1	CHP	3	2295.625	-57.39	-31	Pass
2296	2300	1	CHP	4	2299.221	-56.90	-25	Pass
2300	2304	1	CHP	5	2303.425	-53.97	-13	Pass
2304	2305	0.003	/	6	2304.843	-76.01	-13	Pass
2305	2315	0.003	/	/	/	/	/	/
2315	2316	0.003	/	7	2315.008	-30.93	-13	Pass
2316	2320	1	CHP	8	2316.503	-39.85	-13	Pass
2320	2324	1	CHP	9	2320.002	-51.46	-25	Pass
2324	2328	1	CHP	10	2324.001	-54.76	-31	Pass
2328	2337	1	CHP	11	2328.000	-57.04	-37	Pass
2337	2341	1	CHP	12	2337.056	-58.17	-31	Pass
2341	2345	1	CHP	13	2344.213	-58.27	-25	Pass