

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n5 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 QPSK	826.5	Edge_1RB_Left	21.06	/	/	17.44	/	/	<=38.45	Pass
		Edge_1RB_Right	20.97	/	/	17.35	/	/	<=38.45	Pass
		Outer_Full	21.10	/	/	17.48	/	/	<=38.45	Pass
		Inner_Full	21.21	/	/	17.59	/	/	<=38.45	Pass
		Inner_1RB_Left	21.42	/	/	17.80	/	/	<=38.45	Pass
		Inner_1RB_Right	21.30	/	/	17.68	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.64	/	/	17.02	/	/	<=38.45	Pass
		Edge_1RB_Right	20.45	/	/	16.83	/	/	<=38.45	Pass
		Outer_Full	20.58	/	/	16.96	/	/	<=38.45	Pass
		Inner_Full	20.79	/	/	17.17	/	/	<=38.45	Pass
		Inner_1RB_Left	21.04	/	/	17.42	/	/	<=38.45	Pass
		Inner_1RB_Right	20.84	/	/	17.22	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.35	/	/	16.73	/	/	<=38.45	Pass
		Edge_1RB_Right	18.79	/	/	15.17	/	/	<=38.45	Pass
		Outer_Full	20.06	/	/	16.44	/	/	<=38.45	Pass
		Inner_Full	20.47	/	/	16.85	/	/	<=38.45	Pass
		Inner_1RB_Left	20.81	/	/	17.19	/	/	<=38.45	Pass
		Inner_1RB_Right	19.25	/	/	15.63	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge_1RB_Left	19.81	/	/	16.19	/	/	<=38.45	Pass
		Edge_1RB_Right	19.73	/	/	16.11	/	/	<=38.45	Pass
		Outer_Full	19.77	/	/	16.15	/	/	<=38.45	Pass
		Inner_Full	20.08	/	/	16.46	/	/	<=38.45	Pass
		Inner_1RB_Left	20.38	/	/	16.76	/	/	<=38.45	Pass
		Inner_1RB_Right	20.25	/	/	16.63	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.60	/	/	15.98	/	/	<=38.45	Pass
		Edge_1RB_Right	19.43	/	/	15.81	/	/	<=38.45	Pass
		Outer_Full	19.31	/	/	15.69	/	/	<=38.45	Pass
		Inner_Full	19.70	/	/	16.08	/	/	<=38.45	Pass
		Inner_1RB_Left	20.05	/	/	16.43	/	/	<=38.45	Pass
		Inner_1RB_Right	19.86	/	/	16.24	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	19.33	/	/	15.71	/	/	<=38.45	Pass
		Edge_1RB_Right	17.73	/	/	14.11	/	/	<=38.45	Pass
		Outer_Full	18.75	/	/	15.13	/	/	<=38.45	Pass
		Inner_Full	19.35	/	/	15.73	/	/	<=38.45	Pass
		Inner_1RB_Left	19.71	/	/	16.09	/	/	<=38.45	Pass
		Inner_1RB_Right	18.17	/	/	14.55	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge_1RB_Left	19.48	/	/	15.86	/	/	<=38.45	Pass
		Edge_1RB_Right	19.35	/	/	15.73	/	/	<=38.45	Pass
		Outer_Full	19.17	/	/	15.55	/	/	<=38.45	Pass
		Inner_Full	19.11	/	/	15.49	/	/	<=38.45	Pass
		Inner_1RB_Left	19.41	/	/	15.79	/	/	<=38.45	Pass
		Inner_1RB_Right	19.33	/	/	15.71	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.39	/	/	15.77	/	/	<=38.45	Pass
		Edge_1RB_Right	19.17	/	/	15.55	/	/	<=38.45	Pass
		Outer_Full	18.92	/	/	15.30	/	/	<=38.45	Pass
		Inner_Full	18.86	/	/	15.24	/	/	<=38.45	Pass
		Inner_1RB_Left	19.36	/	/	15.74	/	/	<=38.45	Pass
		Inner_1RB_Right	19.09	/	/	15.47	/	/	<=38.45	Pass

	846.5	Edge_1RB_Left	18.82	/	/	15.20	/	/	<=38.45	Pass
		Edge_1RB_Right	17.16	/	/	13.54	/	/	<=38.45	Pass
		Outer_Full	18.29	/	/	14.67	/	/	<=38.45	Pass
		Inner_Full	18.45	/	/	14.83	/	/	<=38.45	Pass
		Inner_1RB_Left	18.81	/	/	15.19	/	/	<=38.45	Pass
		Inner_1RB_Right	17.33	/	/	13.71	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Edge_1RB_Left	17.89	/	/	14.27	/	/	<=38.45	Pass
		Edge_1RB_Right	17.82	/	/	14.20	/	/	<=38.45	Pass
		Outer_Full	17.77	/	/	14.15	/	/	<=38.45	Pass
		Inner_Full	17.78	/	/	14.16	/	/	<=38.45	Pass
		Inner_1RB_Left	17.86	/	/	14.24	/	/	<=38.45	Pass
		Inner_1RB_Right	17.80	/	/	14.18	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.61	/	/	13.99	/	/	<=38.45	Pass
		Edge_1RB_Right	17.44	/	/	13.82	/	/	<=38.45	Pass
		Outer_Full	17.44	/	/	13.82	/	/	<=38.45	Pass
		Inner_Full	17.45	/	/	13.83	/	/	<=38.45	Pass
		Inner_1RB_Left	17.62	/	/	14.00	/	/	<=38.45	Pass
		Inner_1RB_Right	17.43	/	/	13.81	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	17.18	/	/	13.56	/	/	<=38.45	Pass
		Edge_1RB_Right	15.60	/	/	11.98	/	/	<=38.45	Pass
		Outer_Full	16.84	/	/	13.22	/	/	<=38.45	Pass
		Inner_Full	17.08	/	/	13.46	/	/	<=38.45	Pass
		Inner_1RB_Left	17.22	/	/	13.60	/	/	<=38.45	Pass
		Inner_1RB_Right	15.70	/	/	12.08	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	19.21	/	/	15.59	/	/	<=38.45	Pass
		Edge_1RB_Right	19.11	/	/	15.49	/	/	<=38.45	Pass
		Outer_Full	19.18	/	/	15.56	/	/	<=38.45	Pass
		Inner_Full	19.51	/	/	15.89	/	/	<=38.45	Pass
		Inner_1RB_Left	19.63	/	/	16.01	/	/	<=38.45	Pass
		Inner_1RB_Right	19.55	/	/	15.93	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.12	/	/	15.50	/	/	<=38.45	Pass
		Edge_1RB_Right	18.95	/	/	15.33	/	/	<=38.45	Pass
		Outer_Full	18.97	/	/	15.35	/	/	<=38.45	Pass
		Inner_Full	19.20	/	/	15.58	/	/	<=38.45	Pass
		Inner_1RB_Left	19.43	/	/	15.81	/	/	<=38.45	Pass
		Inner_1RB_Right	19.27	/	/	15.65	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	18.78	/	/	15.16	/	/	<=38.45	Pass
		Edge_1RB_Right	17.19	/	/	13.57	/	/	<=38.45	Pass
		Outer_Full	18.37	/	/	14.75	/	/	<=38.45	Pass
		Inner_Full	18.88	/	/	15.26	/	/	<=38.45	Pass
		Inner_1RB_Left	19.20	/	/	15.58	/	/	<=38.45	Pass
		Inner_1RB_Right	17.68	/	/	14.06	/	/	<=38.45	Pass
CP-OFDM 16 QAM	826.5	Edge_1RB_Left	18.87	/	/	15.25	/	/	<=38.45	Pass
		Edge_1RB_Right	18.79	/	/	15.17	/	/	<=38.45	Pass
		Outer_Full	18.62	/	/	15.00	/	/	<=38.45	Pass
		Inner_Full	19.00	/	/	15.38	/	/	<=38.45	Pass
		Inner_1RB_Left	19.33	/	/	15.71	/	/	<=38.45	Pass
		Inner_1RB_Right	19.24	/	/	15.62	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.77	/	/	15.15	/	/	<=38.45	Pass
		Edge_1RB_Right	18.65	/	/	15.03	/	/	<=38.45	Pass
		Outer_Full	18.45	/	/	14.83	/	/	<=38.45	Pass
		Inner_Full	18.83	/	/	15.21	/	/	<=38.45	Pass
		Inner_1RB_Left	19.23	/	/	15.61	/	/	<=38.45	Pass
		Inner_1RB_Right	19.08	/	/	15.46	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	18.40	/	/	14.78	/	/	<=38.45	Pass
		Edge_1RB_Right	16.91	/	/	13.29	/	/	<=38.45	Pass
		Outer_Full	17.85	/	/	14.23	/	/	<=38.45	Pass
		Inner_Full	18.46	/	/	14.84	/	/	<=38.45	Pass
		Inner_1RB_Left	18.90	/	/	15.28	/	/	<=38.45	Pass

		Inner_1RB_Right	17.41	/	/	13.79	/	/	<=38.45	Pass
CP-OFDM 64 QAM	826.5	Edge_1RB_Left	18.54	/	/	14.92	/	/	<=38.45	Pass
		Edge_1RB_Right	18.45	/	/	14.83	/	/	<=38.45	Pass
		Outer_Full	18.19	/	/	14.57	/	/	<=38.45	Pass
		Inner_Full	18.97	/	/	15.35	/	/	<=38.45	Pass
		Inner_1RB_Left	19.33	/	/	15.71	/	/	<=38.45	Pass
		Inner_1RB_Right	19.27	/	/	15.65	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.28	/	/	14.66	/	/	<=38.45	Pass
		Edge_1RB_Right	18.11	/	/	14.49	/	/	<=38.45	Pass
		Outer_Full	17.91	/	/	14.29	/	/	<=38.45	Pass
		Inner_Full	18.82	/	/	15.20	/	/	<=38.45	Pass
		Inner_1RB_Left	19.24	/	/	15.62	/	/	<=38.45	Pass
		Inner_1RB_Right	19.21	/	/	15.59	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	18.01	/	/	14.39	/	/	<=38.45	Pass
		Edge_1RB_Right	16.44	/	/	12.82	/	/	<=38.45	Pass
		Outer_Full	17.36	/	/	13.74	/	/	<=38.45	Pass
		Inner_Full	18.50	/	/	14.88	/	/	<=38.45	Pass
		Inner_1RB_Left	18.92	/	/	15.30	/	/	<=38.45	Pass
		Inner_1RB_Right	17.26	/	/	13.64	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge_1RB_Left	15.95	/	/	12.33	/	/	<=38.45	Pass
		Edge_1RB_Right	15.88	/	/	12.26	/	/	<=38.45	Pass
		Outer_Full	15.63	/	/	12.01	/	/	<=38.45	Pass
		Inner_Full	15.67	/	/	12.05	/	/	<=38.45	Pass
		Inner_1RB_Left	15.91	/	/	12.29	/	/	<=38.45	Pass
		Inner_1RB_Right	15.86	/	/	12.24	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	15.74	/	/	12.12	/	/	<=38.45	Pass
		Edge_1RB_Right	15.61	/	/	11.99	/	/	<=38.45	Pass
		Outer_Full	15.40	/	/	11.78	/	/	<=38.45	Pass
		Inner_Full	15.43	/	/	11.81	/	/	<=38.45	Pass
		Inner_1RB_Left	15.74	/	/	12.12	/	/	<=38.45	Pass
		Inner_1RB_Right	15.59	/	/	11.97	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	15.44	/	/	11.82	/	/	<=38.45	Pass
		Edge_1RB_Right	13.87	/	/	10.25	/	/	<=38.45	Pass
		Outer_Full	14.88	/	/	11.26	/	/	<=38.45	Pass
		Inner_Full	15.11	/	/	11.49	/	/	<=38.45	Pass
		Inner_1RB_Left	15.46	/	/	11.84	/	/	<=38.45	Pass
		Inner_1RB_Right	13.94	/	/	10.32	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -1.47dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n5 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 QPSK	829	Edge 1RB Left	20.98	/	/	17.36	/	/	<=38.45	Pass
		Edge 1RB Right	20.70	/	/	17.08	/	/	<=38.45	Pass
		Outer Full	20.53	/	/	16.91	/	/	<=38.45	Pass
		Inner Full	20.73	/	/	17.11	/	/	<=38.45	Pass
		Inner 1RB Left	20.71	/	/	17.09	/	/	<=38.45	Pass
		Inner 1RB Right	21.11	/	/	17.49	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.12	/	/	17.50	/	/	<=38.45	Pass
		Edge 1RB Right	20.69	/	/	17.07	/	/	<=38.45	Pass
		Outer Full	20.56	/	/	16.94	/	/	<=38.45	Pass
		Inner Full	20.84	/	/	17.22	/	/	<=38.45	Pass
		Inner 1RB Left	20.96	/	/	17.34	/	/	<=38.45	Pass
		Inner 1RB Right	21.09	/	/	17.47	/	/	<=38.45	Pass

	844	Edge_1RB_Left	21.07	/	/	17.45	/	/	<=38.45	Pass
		Edge_1RB_Right	19.06	/	/	15.44	/	/	<=38.45	Pass
		Outer_Full	20.45	/	/	16.83	/	/	<=38.45	Pass
		Inner_Full	20.71	/	/	17.09	/	/	<=38.45	Pass
		Inner_1RB_Left	20.80	/	/	17.18	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Inner_1RB_Right	19.51	/	/	15.89	/	/	<=38.45	Pass
		Edge_1RB_Left	20.12	/	/	16.50	/	/	<=38.45	Pass
		Edge_1RB_Right	19.80	/	/	16.18	/	/	<=38.45	Pass
		Outer_Full	19.42	/	/	15.80	/	/	<=38.45	Pass
		Inner_Full	19.82	/	/	16.20	/	/	<=38.45	Pass
		Inner_1RB_Left	19.85	/	/	16.23	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	20.27	/	/	16.65	/	/	<=38.45	Pass
		Edge_1RB_Left	20.21	/	/	16.59	/	/	<=38.45	Pass
		Edge_1RB_Right	19.61	/	/	15.99	/	/	<=38.45	Pass
		Outer_Full	19.39	/	/	15.77	/	/	<=38.45	Pass
		Inner_Full	19.79	/	/	16.17	/	/	<=38.45	Pass
		Inner_1RB_Left	19.79	/	/	16.17	/	/	<=38.45	Pass
	844	Inner_1RB_Right	19.98	/	/	16.36	/	/	<=38.45	Pass
		Edge_1RB_Left	19.97	/	/	16.35	/	/	<=38.45	Pass
		Edge_1RB_Right	17.97	/	/	14.35	/	/	<=38.45	Pass
		Outer_Full	19.08	/	/	15.46	/	/	<=38.45	Pass
		Inner_Full	19.64	/	/	16.02	/	/	<=38.45	Pass
		Inner_1RB_Left	19.77	/	/	16.15	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Inner_1RB_Right	18.49	/	/	14.87	/	/	<=38.45	Pass
		Edge_1RB_Left	19.78	/	/	16.16	/	/	<=38.45	Pass
		Edge_1RB_Right	19.49	/	/	15.87	/	/	<=38.45	Pass
		Outer_Full	18.95	/	/	15.33	/	/	<=38.45	Pass
		Inner_Full	18.93	/	/	15.31	/	/	<=38.45	Pass
		Inner_1RB_Left	19.12	/	/	15.50	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	19.42	/	/	15.80	/	/	<=38.45	Pass
		Edge_1RB_Left	19.68	/	/	16.06	/	/	<=38.45	Pass
		Edge_1RB_Right	19.18	/	/	15.56	/	/	<=38.45	Pass
		Outer_Full	18.85	/	/	15.23	/	/	<=38.45	Pass
		Inner_Full	18.83	/	/	15.21	/	/	<=38.45	Pass
		Inner_1RB_Left	19.00	/	/	15.38	/	/	<=38.45	Pass
	844	Inner_1RB_Right	19.16	/	/	15.54	/	/	<=38.45	Pass
		Edge_1RB_Left	19.58	/	/	15.96	/	/	<=38.45	Pass
		Edge_1RB_Right	17.57	/	/	13.95	/	/	<=38.45	Pass
		Outer_Full	18.63	/	/	15.01	/	/	<=38.45	Pass
		Inner_Full	18.77	/	/	15.15	/	/	<=38.45	Pass
		Inner_1RB_Left	18.94	/	/	15.32	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Inner_1RB_Right	17.68	/	/	14.06	/	/	<=38.45	Pass
		Edge_1RB_Left	18.09	/	/	14.47	/	/	<=38.45	Pass
		Edge_1RB_Right	17.78	/	/	14.16	/	/	<=38.45	Pass
		Outer_Full	17.53	/	/	13.91	/	/	<=38.45	Pass
		Inner_Full	17.47	/	/	13.85	/	/	<=38.45	Pass
		Inner_1RB_Left	17.36	/	/	13.74	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	17.78	/	/	14.16	/	/	<=38.45	Pass
		Edge_1RB_Left	18.22	/	/	14.60	/	/	<=38.45	Pass
		Edge_1RB_Right	17.70	/	/	14.08	/	/	<=38.45	Pass
		Outer_Full	17.56	/	/	13.94	/	/	<=38.45	Pass
		Inner_Full	17.50	/	/	13.88	/	/	<=38.45	Pass
		Inner_1RB_Left	17.52	/	/	13.90	/	/	<=38.45	Pass
	844	Inner_1RB_Right	17.72	/	/	14.10	/	/	<=38.45	Pass
		Edge_1RB_Left	18.03	/	/	14.41	/	/	<=38.45	Pass
		Edge_1RB_Right	16.00	/	/	12.38	/	/	<=38.45	Pass
		Outer_Full	17.26	/	/	13.64	/	/	<=38.45	Pass
		Inner_Full	17.36	/	/	13.74	/	/	<=38.45	Pass
		Inner_1RB_Left	17.31	/	/	13.69	/	/	<=38.45	Pass

CP-OFDM QPSK	829	Inner 1RB Right	16.09	/	/	12.47	/	/	<=38.45	Pass
		Edge 1RB Left	19.62	/	/	16.00	/	/	<=38.45	Pass
		Edge 1RB Right	19.28	/	/	15.66	/	/	<=38.45	Pass
		Outer Full	19.06	/	/	15.44	/	/	<=38.45	Pass
		Inner Full	19.40	/	/	15.78	/	/	<=38.45	Pass
		Inner 1RB Left	19.37	/	/	15.75	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	19.73	/	/	16.11	/	/	<=38.45	Pass
		Edge 1RB Left	19.58	/	/	15.96	/	/	<=38.45	Pass
		Edge 1RB Right	19.08	/	/	15.46	/	/	<=38.45	Pass
		Outer Full	18.96	/	/	15.34	/	/	<=38.45	Pass
		Inner Full	19.34	/	/	15.72	/	/	<=38.45	Pass
		Inner 1RB Left	19.35	/	/	15.73	/	/	<=38.45	Pass
	844	Inner 1RB Right	19.53	/	/	15.91	/	/	<=38.45	Pass
		Edge 1RB Left	19.50	/	/	15.88	/	/	<=38.45	Pass
		Edge 1RB Right	17.49	/	/	13.87	/	/	<=38.45	Pass
		Outer Full	18.73	/	/	15.11	/	/	<=38.45	Pass
		Inner Full	19.22	/	/	15.60	/	/	<=38.45	Pass
		Inner 1RB Left	19.22	/	/	15.60	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Inner 1RB Right	17.95	/	/	14.33	/	/	<=38.45	Pass
		Edge 1RB Left	19.24	/	/	15.62	/	/	<=38.45	Pass
		Edge 1RB Right	18.95	/	/	15.33	/	/	<=38.45	Pass
		Outer Full	18.51	/	/	14.89	/	/	<=38.45	Pass
		Inner Full	18.92	/	/	15.30	/	/	<=38.45	Pass
		Inner 1RB Left	19.04	/	/	15.42	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	19.41	/	/	15.79	/	/	<=38.45	Pass
		Edge 1RB Left	19.26	/	/	15.64	/	/	<=38.45	Pass
		Edge 1RB Right	18.78	/	/	15.16	/	/	<=38.45	Pass
		Outer Full	18.46	/	/	14.84	/	/	<=38.45	Pass
		Inner Full	18.78	/	/	15.16	/	/	<=38.45	Pass
		Inner 1RB Left	19.01	/	/	15.39	/	/	<=38.45	Pass
	844	Inner 1RB Right	19.21	/	/	15.59	/	/	<=38.45	Pass
		Edge 1RB Left	19.23	/	/	15.61	/	/	<=38.45	Pass
		Edge 1RB Right	17.17	/	/	13.55	/	/	<=38.45	Pass
		Outer Full	18.21	/	/	14.59	/	/	<=38.45	Pass
		Inner Full	18.73	/	/	15.11	/	/	<=38.45	Pass
		Inner 1RB Left	18.92	/	/	15.30	/	/	<=38.45	Pass
CP-OFDM 64 QAM	829	Inner 1RB Right	17.67	/	/	14.05	/	/	<=38.45	Pass
		Edge 1RB Left	18.98	/	/	15.36	/	/	<=38.45	Pass
		Edge 1RB Right	18.66	/	/	15.04	/	/	<=38.45	Pass
		Outer Full	18.06	/	/	14.44	/	/	<=38.45	Pass
		Inner Full	18.92	/	/	15.30	/	/	<=38.45	Pass
		Inner 1RB Left	19.05	/	/	15.43	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	19.53	/	/	15.91	/	/	<=38.45	Pass
		Edge 1RB Left	18.91	/	/	15.29	/	/	<=38.45	Pass
		Edge 1RB Right	18.42	/	/	14.80	/	/	<=38.45	Pass
		Outer Full	18.05	/	/	14.43	/	/	<=38.45	Pass
		Inner Full	18.80	/	/	15.18	/	/	<=38.45	Pass
		Inner 1RB Left	19.03	/	/	15.41	/	/	<=38.45	Pass
	844	Inner 1RB Right	19.24	/	/	15.62	/	/	<=38.45	Pass
		Edge 1RB Left	18.76	/	/	15.14	/	/	<=38.45	Pass
		Edge 1RB Right	16.86	/	/	13.24	/	/	<=38.45	Pass
		Outer Full	17.71	/	/	14.09	/	/	<=38.45	Pass
		Inner Full	18.74	/	/	15.12	/	/	<=38.45	Pass
		Inner 1RB Left	18.96	/	/	15.34	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Inner 1RB Right	17.73	/	/	14.11	/	/	<=38.45	Pass
		Edge 1RB Left	16.32	/	/	12.70	/	/	<=38.45	Pass
		Edge 1RB Right	16.00	/	/	12.38	/	/	<=38.45	Pass
		Outer Full	15.58	/	/	11.96	/	/	<=38.45	Pass
		Inner Full	15.56	/	/	11.94	/	/	<=38.45	Pass

		Inner_1RB_Left	15.59	/	/	11.97	/	/	<=38.45	Pass
		Inner_1RB_Right	16.01	/	/	12.39	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	16.30	/	/	12.68	/	/	<=38.45	Pass
		Edge_1RB_Right	15.80	/	/	12.18	/	/	<=38.45	Pass
		Outer_Full	15.51	/	/	11.89	/	/	<=38.45	Pass
		Inner_Full	15.47	/	/	11.85	/	/	<=38.45	Pass
		Inner_1RB_Left	15.59	/	/	11.97	/	/	<=38.45	Pass
		Inner_1RB_Right	15.81	/	/	12.19	/	/	<=38.45	Pass
	844	Edge_1RB_Left	16.24	/	/	12.62	/	/	<=38.45	Pass
		Edge_1RB_Right	14.23	/	/	10.61	/	/	<=38.45	Pass
		Outer_Full	15.30	/	/	11.68	/	/	<=38.45	Pass
		Inner_Full	15.48	/	/	11.86	/	/	<=38.45	Pass
		Inner_1RB_Left	15.55	/	/	11.93	/	/	<=38.45	Pass
		Inner_1RB_Right	14.33	/	/	10.71	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -1.47dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.3 15k_SISO_15MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	831.5	Edge 1RB Left	20.99	/	/	17.37	/	/	<=38.45	Pass
		Edge 1RB Right	20.83	/	/	17.21	/	/	<=38.45	Pass
		Outer Full	20.42	/	/	16.80	/	/	<=38.45	Pass
		Inner Full	20.50	/	/	16.88	/	/	<=38.45	Pass
		Inner 1RB Left	21.20	/	/	17.58	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	21.23	/	/	17.61	/	/	<=38.45	Pass
		Edge 1RB Left	21.48	/	/	17.86	/	/	<=38.45	Pass
		Edge 1RB Right	20.94	/	/	17.32	/	/	<=38.45	Pass
		Outer Full	20.71	/	/	17.09	/	/	<=38.45	Pass
		Inner Full	20.89	/	/	17.27	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	21.66	/	/	18.04	/	/	<=38.45	Pass
		Inner 1RB Right	21.45	/	/	17.83	/	/	<=38.45	Pass
		Edge 1RB Left	21.28	/	/	17.66	/	/	<=38.45	Pass
		Edge 1RB Right	19.80	/	/	16.18	/	/	<=38.45	Pass
		Outer Full	20.46	/	/	16.84	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Inner Full	20.66	/	/	17.04	/	/	<=38.45	Pass
		Inner 1RB Left	21.50	/	/	17.88	/	/	<=38.45	Pass
		Inner 1RB Right	20.33	/	/	16.71	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.98	/	/	16.36	/	/	<=38.45	Pass
		Edge 1RB Right	19.93	/	/	16.31	/	/	<=38.45	Pass
		Outer Full	19.15	/	/	15.53	/	/	<=38.45	Pass
		Inner Full	19.58	/	/	15.96	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	20.19	/	/	16.57	/	/	<=38.45	Pass
		Inner 1RB Right	20.41	/	/	16.79	/	/	<=38.45	Pass
		Edge 1RB Left	20.51	/	/	16.89	/	/	<=38.45	Pass
		Edge 1RB Right	19.99	/	/	16.37	/	/	<=38.45	Pass
		Outer Full	19.59	/	/	15.97	/	/	<=38.45	Pass
	841.5	Inner Full	19.86	/	/	16.24	/	/	<=38.45	Pass
		Inner 1RB Left	20.75	/	/	17.13	/	/	<=38.45	Pass
		Inner 1RB Right	20.45	/	/	16.83	/	/	<=38.45	Pass
		Edge 1RB Left	20.33	/	/	16.71	/	/	<=38.45	Pass
		Edge 1RB Right	18.77	/	/	15.15	/	/	<=38.45	Pass
	841.5	Outer Full	19.32	/	/	15.70	/	/	<=38.45	Pass
		Inner Full	19.64	/	/	16.02	/	/	<=38.45	Pass
		Inner 1RB Left	20.60	/	/	16.98	/	/	<=38.45	Pass

DFT-s-OFDM 64 QAM	831.5	Inner 1RB Right	19.40	/	/	15.78	/	/	<=38.45	Pass
		Edge 1RB Left	19.79	/	/	16.17	/	/	<=38.45	Pass
		Edge 1RB Right	19.43	/	/	15.81	/	/	<=38.45	Pass
		Outer Full	18.84	/	/	15.22	/	/	<=38.45	Pass
		Inner Full	18.67	/	/	15.05	/	/	<=38.45	Pass
		Inner 1RB Left	19.40	/	/	15.78	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	19.62	/	/	16.00	/	/	<=38.45	Pass
		Edge 1RB Left	20.02	/	/	16.40	/	/	<=38.45	Pass
		Edge 1RB Right	19.54	/	/	15.92	/	/	<=38.45	Pass
		Outer Full	19.04	/	/	15.42	/	/	<=38.45	Pass
		Inner Full	18.86	/	/	15.24	/	/	<=38.45	Pass
		Inner 1RB Left	19.83	/	/	16.21	/	/	<=38.45	Pass
	841.5	Inner 1RB Right	19.59	/	/	15.97	/	/	<=38.45	Pass
		Edge 1RB Left	19.92	/	/	16.30	/	/	<=38.45	Pass
		Edge 1RB Right	18.35	/	/	14.73	/	/	<=38.45	Pass
		Outer Full	18.79	/	/	15.17	/	/	<=38.45	Pass
		Inner Full	18.65	/	/	15.03	/	/	<=38.45	Pass
		Inner 1RB Left	19.77	/	/	16.15	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Inner 1RB Right	18.54	/	/	14.92	/	/	<=38.45	Pass
		Edge 1RB Left	18.08	/	/	14.46	/	/	<=38.45	Pass
		Edge 1RB Right	17.93	/	/	14.31	/	/	<=38.45	Pass
		Outer Full	17.39	/	/	13.77	/	/	<=38.45	Pass
		Inner Full	17.23	/	/	13.61	/	/	<=38.45	Pass
		Inner 1RB Left	17.86	/	/	14.24	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	17.93	/	/	14.31	/	/	<=38.45	Pass
		Edge 1RB Left	18.44	/	/	14.82	/	/	<=38.45	Pass
		Edge 1RB Right	17.95	/	/	14.33	/	/	<=38.45	Pass
		Outer Full	17.65	/	/	14.03	/	/	<=38.45	Pass
		Inner Full	17.48	/	/	13.86	/	/	<=38.45	Pass
		Inner 1RB Left	18.27	/	/	14.65	/	/	<=38.45	Pass
	841.5	Inner 1RB Right	17.95	/	/	14.33	/	/	<=38.45	Pass
		Edge 1RB Left	18.28	/	/	14.66	/	/	<=38.45	Pass
		Edge 1RB Right	16.70	/	/	13.08	/	/	<=38.45	Pass
		Outer Full	17.40	/	/	13.78	/	/	<=38.45	Pass
		Inner Full	17.26	/	/	13.64	/	/	<=38.45	Pass
		Inner 1RB Left	18.10	/	/	14.48	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Inner 1RB Right	16.92	/	/	13.30	/	/	<=38.45	Pass
		Edge 1RB Left	19.44	/	/	15.82	/	/	<=38.45	Pass
		Edge 1RB Right	19.23	/	/	15.61	/	/	<=38.45	Pass
		Outer Full	18.80	/	/	15.18	/	/	<=38.45	Pass
		Inner Full	19.14	/	/	15.52	/	/	<=38.45	Pass
		Inner 1RB Left	19.71	/	/	16.09	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	19.84	/	/	16.22	/	/	<=38.45	Pass
		Edge 1RB Left	19.90	/	/	16.28	/	/	<=38.45	Pass
		Edge 1RB Right	19.42	/	/	15.80	/	/	<=38.45	Pass
		Outer Full	19.16	/	/	15.54	/	/	<=38.45	Pass
		Inner Full	19.43	/	/	15.81	/	/	<=38.45	Pass
		Inner 1RB Left	20.19	/	/	16.57	/	/	<=38.45	Pass
	841.5	Inner 1RB Right	19.90	/	/	16.28	/	/	<=38.45	Pass
		Edge 1RB Left	19.73	/	/	16.11	/	/	<=38.45	Pass
		Edge 1RB Right	18.17	/	/	14.55	/	/	<=38.45	Pass
		Outer Full	18.90	/	/	15.28	/	/	<=38.45	Pass
		Inner Full	19.22	/	/	15.60	/	/	<=38.45	Pass
		Inner 1RB Left	20.01	/	/	16.39	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Inner 1RB Right	18.86	/	/	15.24	/	/	<=38.45	Pass
		Edge 1RB Left	19.27	/	/	15.65	/	/	<=38.45	Pass
		Edge 1RB Right	19.11	/	/	15.49	/	/	<=38.45	Pass
		Outer Full	18.40	/	/	14.78	/	/	<=38.45	Pass
		Inner Full	18.67	/	/	15.05	/	/	<=38.45	Pass

		Inner_1RB_Left	19.51	/	/	15.89	/	/	<=38.45	Pass
		Inner_1RB_Right	19.55	/	/	15.93	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.64	/	/	16.02	/	/	<=38.45	Pass
		Edge_1RB_Right	19.10	/	/	15.48	/	/	<=38.45	Pass
		Outer_Full	18.62	/	/	15.00	/	/	<=38.45	Pass
		Inner_Full	18.88	/	/	15.26	/	/	<=38.45	Pass
		Inner_1RB_Left	19.82	/	/	16.20	/	/	<=38.45	Pass
		Inner_1RB_Right	19.54	/	/	15.92	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.30	/	/	15.68	/	/	<=38.45	Pass
		Edge_1RB_Right	17.86	/	/	14.24	/	/	<=38.45	Pass
		Outer_Full	18.33	/	/	14.71	/	/	<=38.45	Pass
		Inner_Full	18.67	/	/	15.05	/	/	<=38.45	Pass
		Inner_1RB_Left	19.70	/	/	16.08	/	/	<=38.45	Pass
		Inner_1RB_Right	18.55	/	/	14.93	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	18.76	/	/	15.14	/	/	<=38.45	Pass
		Edge_1RB_Right	18.62	/	/	15.00	/	/	<=38.45	Pass
		Outer_Full	17.92	/	/	14.30	/	/	<=38.45	Pass
		Inner_Full	18.70	/	/	15.08	/	/	<=38.45	Pass
		Inner_1RB_Left	19.51	/	/	15.89	/	/	<=38.45	Pass
		Inner_1RB_Right	19.56	/	/	15.94	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.27	/	/	15.65	/	/	<=38.45	Pass
		Edge_1RB_Right	18.81	/	/	15.19	/	/	<=38.45	Pass
		Outer_Full	18.18	/	/	14.56	/	/	<=38.45	Pass
		Inner_Full	18.89	/	/	15.27	/	/	<=38.45	Pass
		Inner_1RB_Left	19.97	/	/	16.35	/	/	<=38.45	Pass
		Inner_1RB_Right	19.69	/	/	16.07	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.12	/	/	15.50	/	/	<=38.45	Pass
		Edge_1RB_Right	17.55	/	/	13.93	/	/	<=38.45	Pass
		Outer_Full	17.89	/	/	14.27	/	/	<=38.45	Pass
		Inner_Full	18.70	/	/	15.08	/	/	<=38.45	Pass
		Inner_1RB_Left	19.80	/	/	16.18	/	/	<=38.45	Pass
		Inner_1RB_Right	18.65	/	/	15.03	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Edge_1RB_Left	16.21	/	/	12.59	/	/	<=38.45	Pass
		Edge_1RB_Right	16.09	/	/	12.47	/	/	<=38.45	Pass
		Outer_Full	15.39	/	/	11.77	/	/	<=38.45	Pass
		Inner_Full	15.14	/	/	11.52	/	/	<=38.45	Pass
		Inner_1RB_Left	15.96	/	/	12.34	/	/	<=38.45	Pass
		Inner_1RB_Right	15.94	/	/	12.32	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	16.69	/	/	13.07	/	/	<=38.45	Pass
		Edge_1RB_Right	16.22	/	/	12.60	/	/	<=38.45	Pass
		Outer_Full	15.73	/	/	12.11	/	/	<=38.45	Pass
		Inner_Full	15.58	/	/	11.96	/	/	<=38.45	Pass
		Inner_1RB_Left	16.47	/	/	12.85	/	/	<=38.45	Pass
		Inner_1RB_Right	16.23	/	/	12.61	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	16.57	/	/	12.95	/	/	<=38.45	Pass
		Edge_1RB_Right	15.01	/	/	11.39	/	/	<=38.45	Pass
		Outer_Full	15.46	/	/	11.84	/	/	<=38.45	Pass
		Inner_Full	15.38	/	/	11.76	/	/	<=38.45	Pass
		Inner_1RB_Left	16.34	/	/	12.72	/	/	<=38.45	Pass
		Inner_1RB_Right	15.21	/	/	11.59	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -1.47dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.4 15k_SISO_20MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 20MHz NTN					
Modulation	Frequency	RB	Conducted Power(dBm)	ERP(dBm)	Verdict

	(MHz)	Allocation	Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Edge 1RB Left	21.75	/	/	18.13	/	/	<=38.45	Pass
		Edge 1RB Right	21.37	/	/	17.75	/	/	<=38.45	Pass
		Outer Full	21.08	/	/	17.46	/	/	<=38.45	Pass
		Inner Full	21.12	/	/	17.50	/	/	<=38.45	Pass
		Inner 1RB Left	22.09	/	/	18.47	/	/	<=38.45	Pass
		Inner 1RB Right	21.88	/	/	18.26	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.58	/	/	17.96	/	/	<=38.45	Pass
		Edge 1RB Right	21.11	/	/	17.49	/	/	<=38.45	Pass
		Outer Full	20.78	/	/	17.16	/	/	<=38.45	Pass
		Inner Full	20.85	/	/	17.23	/	/	<=38.45	Pass
		Inner 1RB Left	21.80	/	/	18.18	/	/	<=38.45	Pass
		Inner 1RB Right	21.64	/	/	18.02	/	/	<=38.45	Pass
	839	Edge 1RB Left	21.40	/	/	17.78	/	/	<=38.45	Pass
		Edge 1RB Right	19.53	/	/	15.91	/	/	<=38.45	Pass
		Outer Full	20.56	/	/	16.94	/	/	<=38.45	Pass
		Inner Full	20.54	/	/	16.92	/	/	<=38.45	Pass
		Inner 1RB Left	21.64	/	/	18.02	/	/	<=38.45	Pass
		Inner 1RB Right	20.02	/	/	16.40	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge 1RB Left	20.70	/	/	17.08	/	/	<=38.45	Pass
		Edge 1RB Right	20.32	/	/	16.70	/	/	<=38.45	Pass
		Outer Full	19.94	/	/	16.32	/	/	<=38.45	Pass
		Inner Full	20.07	/	/	16.45	/	/	<=38.45	Pass
		Inner 1RB Left	21.06	/	/	17.44	/	/	<=38.45	Pass
		Inner 1RB Right	20.95	/	/	17.33	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.63	/	/	17.01	/	/	<=38.45	Pass
		Edge 1RB Right	20.19	/	/	16.57	/	/	<=38.45	Pass
		Outer Full	19.65	/	/	16.03	/	/	<=38.45	Pass
		Inner Full	19.80	/	/	16.18	/	/	<=38.45	Pass
		Inner 1RB Left	20.90	/	/	17.28	/	/	<=38.45	Pass
		Inner 1RB Right	20.64	/	/	17.02	/	/	<=38.45	Pass
	839	Edge 1RB Left	20.32	/	/	16.70	/	/	<=38.45	Pass
		Edge 1RB Right	18.42	/	/	14.80	/	/	<=38.45	Pass
		Outer Full	19.29	/	/	15.67	/	/	<=38.45	Pass
		Inner Full	19.44	/	/	15.82	/	/	<=38.45	Pass
		Inner 1RB Left	20.59	/	/	16.97	/	/	<=38.45	Pass
		Inner 1RB Right	18.99	/	/	15.37	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Edge 1RB Left	20.34	/	/	16.72	/	/	<=38.45	Pass
		Edge 1RB Right	20.00	/	/	16.38	/	/	<=38.45	Pass
		Outer Full	19.35	/	/	15.73	/	/	<=38.45	Pass
		Inner Full	19.08	/	/	15.46	/	/	<=38.45	Pass
		Inner 1RB Left	20.16	/	/	16.54	/	/	<=38.45	Pass
		Inner 1RB Right	20.10	/	/	16.48	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.14	/	/	16.52	/	/	<=38.45	Pass
		Edge 1RB Right	19.70	/	/	16.08	/	/	<=38.45	Pass
		Outer Full	19.08	/	/	15.46	/	/	<=38.45	Pass
		Inner Full	18.80	/	/	15.18	/	/	<=38.45	Pass
		Inner 1RB Left	20.08	/	/	16.46	/	/	<=38.45	Pass
		Inner 1RB Right	19.75	/	/	16.13	/	/	<=38.45	Pass
	839	Edge 1RB Left	19.99	/	/	16.37	/	/	<=38.45	Pass
		Edge 1RB Right	18.14	/	/	14.52	/	/	<=38.45	Pass
		Outer Full	18.80	/	/	15.18	/	/	<=38.45	Pass
		Inner Full	18.51	/	/	14.89	/	/	<=38.45	Pass
		Inner 1RB Left	19.86	/	/	16.24	/	/	<=38.45	Pass
		Inner 1RB Right	18.19	/	/	14.57	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge 1RB Left	19.00	/	/	15.38	/	/	<=38.45	Pass
		Edge 1RB Right	18.62	/	/	15.00	/	/	<=38.45	Pass
		Outer Full	18.11	/	/	14.49	/	/	<=38.45	Pass
		Inner Full	17.76	/	/	14.14	/	/	<=38.45	Pass

		Inner_1RB_Left	18.84	/	/	15.22	/	/	<=38.45	Pass
		Inner_1RB_Right	18.69	/	/	15.07	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.60	/	/	14.98	/	/	<=38.45	Pass
		Edge_1RB_Right	18.19	/	/	14.57	/	/	<=38.45	Pass
		Outer_Full	17.76	/	/	14.14	/	/	<=38.45	Pass
		Inner_Full	17.46	/	/	13.84	/	/	<=38.45	Pass
		Inner_1RB_Left	18.45	/	/	14.83	/	/	<=38.45	Pass
		Inner_1RB_Right	18.21	/	/	14.59	/	/	<=38.45	Pass
	839	Edge_1RB_Left	18.41	/	/	14.79	/	/	<=38.45	Pass
		Edge_1RB_Right	16.57	/	/	12.95	/	/	<=38.45	Pass
		Outer_Full	17.52	/	/	13.90	/	/	<=38.45	Pass
		Inner_Full	17.21	/	/	13.59	/	/	<=38.45	Pass
		Inner_1RB_Left	18.26	/	/	14.64	/	/	<=38.45	Pass
		Inner_1RB_Right	16.66	/	/	13.04	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge_1RB_Left	20.25	/	/	16.63	/	/	<=38.45	Pass
		Edge_1RB_Right	19.91	/	/	16.29	/	/	<=38.45	Pass
		Outer_Full	19.55	/	/	15.93	/	/	<=38.45	Pass
		Inner_Full	19.68	/	/	16.06	/	/	<=38.45	Pass
		Inner_1RB_Left	20.60	/	/	16.98	/	/	<=38.45	Pass
		Inner_1RB_Right	20.38	/	/	16.76	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.23	/	/	16.61	/	/	<=38.45	Pass
		Edge_1RB_Right	19.70	/	/	16.08	/	/	<=38.45	Pass
		Outer_Full	19.37	/	/	15.75	/	/	<=38.45	Pass
		Inner_Full	19.44	/	/	15.82	/	/	<=38.45	Pass
		Inner_1RB_Left	20.54	/	/	16.92	/	/	<=38.45	Pass
		Inner_1RB_Right	20.23	/	/	16.61	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.81	/	/	16.19	/	/	<=38.45	Pass
		Edge_1RB_Right	18.01	/	/	14.39	/	/	<=38.45	Pass
		Outer_Full	18.96	/	/	15.34	/	/	<=38.45	Pass
		Inner_Full	19.08	/	/	15.46	/	/	<=38.45	Pass
		Inner_1RB_Left	20.06	/	/	16.44	/	/	<=38.45	Pass
		Inner_1RB_Right	18.47	/	/	14.85	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge_1RB_Left	19.94	/	/	16.32	/	/	<=38.45	Pass
		Edge_1RB_Right	19.60	/	/	15.98	/	/	<=38.45	Pass
		Outer_Full	19.00	/	/	15.38	/	/	<=38.45	Pass
		Inner_Full	19.12	/	/	15.50	/	/	<=38.45	Pass
		Inner_1RB_Left	20.20	/	/	16.58	/	/	<=38.45	Pass
		Inner_1RB_Right	19.99	/	/	16.37	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.93	/	/	16.31	/	/	<=38.45	Pass
		Edge_1RB_Right	19.55	/	/	15.93	/	/	<=38.45	Pass
		Outer_Full	18.83	/	/	15.21	/	/	<=38.45	Pass
		Inner_Full	18.89	/	/	15.27	/	/	<=38.45	Pass
		Inner_1RB_Left	20.21	/	/	16.59	/	/	<=38.45	Pass
		Inner_1RB_Right	19.93	/	/	16.31	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.55	/	/	15.93	/	/	<=38.45	Pass
		Edge_1RB_Right	17.75	/	/	14.13	/	/	<=38.45	Pass
		Outer_Full	18.40	/	/	14.78	/	/	<=38.45	Pass
		Inner_Full	18.58	/	/	14.96	/	/	<=38.45	Pass
		Inner_1RB_Left	19.78	/	/	16.16	/	/	<=38.45	Pass
		Inner_1RB_Right	18.19	/	/	14.57	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge_1RB_Left	19.48	/	/	15.86	/	/	<=38.45	Pass
		Edge_1RB_Right	19.30	/	/	15.68	/	/	<=38.45	Pass
		Outer_Full	18.55	/	/	14.93	/	/	<=38.45	Pass
		Inner_Full	19.10	/	/	15.48	/	/	<=38.45	Pass
		Inner_1RB_Left	20.34	/	/	16.72	/	/	<=38.45	Pass
		Inner_1RB_Right	20.02	/	/	16.40	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.61	/	/	15.99	/	/	<=38.45	Pass
		Edge_1RB_Right	19.22	/	/	15.60	/	/	<=38.45	Pass
		Outer_Full	18.38	/	/	14.76	/	/	<=38.45	Pass

		Inner_Full	18.88	/	/	15.26	/	/	<=38.45	Pass
		Inner_1RB_Left	20.33	/	/	16.71	/	/	<=38.45	Pass
		Inner_1RB_Right	20.03	/	/	16.41	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.06	/	/	15.44	/	/	<=38.45	Pass
		Edge_1RB_Right	17.26	/	/	13.64	/	/	<=38.45	Pass
		Outer_Full	18.01	/	/	14.39	/	/	<=38.45	Pass
		Inner_Full	18.57	/	/	14.95	/	/	<=38.45	Pass
		Inner_1RB_Left	19.89	/	/	16.27	/	/	<=38.45	Pass
		Inner_1RB_Right	18.17	/	/	14.55	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Edge_1RB_Left	17.08	/	/	13.46	/	/	<=38.45	Pass
		Edge_1RB_Right	16.77	/	/	13.15	/	/	<=38.45	Pass
		Outer_Full	16.18	/	/	12.56	/	/	<=38.45	Pass
		Inner_Full	15.87	/	/	12.25	/	/	<=38.45	Pass
		Inner_1RB_Left	16.92	/	/	13.30	/	/	<=38.45	Pass
		Inner_1RB_Right	16.74	/	/	13.12	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	16.71	/	/	13.09	/	/	<=38.45	Pass
		Edge_1RB_Right	16.39	/	/	12.77	/	/	<=38.45	Pass
		Outer_Full	15.91	/	/	12.29	/	/	<=38.45	Pass
		Inner_Full	15.45	/	/	11.83	/	/	<=38.45	Pass
		Inner_1RB_Left	16.54	/	/	12.92	/	/	<=38.45	Pass
		Inner_1RB_Right	16.32	/	/	12.70	/	/	<=38.45	Pass
	839	Edge_1RB_Left	16.55	/	/	12.93	/	/	<=38.45	Pass
		Edge_1RB_Right	14.71	/	/	11.09	/	/	<=38.45	Pass
		Outer_Full	15.48	/	/	11.86	/	/	<=38.45	Pass
		Inner_Full	15.22	/	/	11.60	/	/	<=38.45	Pass
		Inner_1RB_Left	16.38	/	/	12.76	/	/	<=38.45	Pass
		Inner_1RB_Right	14.78	/	/	11.16	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -1.47dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.5 30k_SISO_10MHz_NTNV_ERP

5G NR n5 SCS=30kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	829	Edge_1RB_Left	20.65	/	/	17.03	/	/	<=38.45	Pass
		Edge_1RB_Right	20.59	/	/	16.97	/	/	<=38.45	Pass
		Outer_Full	20.58	/	/	16.96	/	/	<=38.45	Pass
		Inner_Full	20.78	/	/	17.16	/	/	<=38.45	Pass
		Inner_1RB_Left	20.86	/	/	17.24	/	/	<=38.45	Pass
		Inner_1RB_Right	21.05	/	/	17.43	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.68	/	/	17.06	/	/	<=38.45	Pass
		Edge_1RB_Right	20.39	/	/	16.77	/	/	<=38.45	Pass
		Outer_Full	20.48	/	/	16.86	/	/	<=38.45	Pass
		Inner_Full	20.80	/	/	17.18	/	/	<=38.45	Pass
		Inner_1RB_Left	21.03	/	/	17.41	/	/	<=38.45	Pass
		Inner_1RB_Right	21.02	/	/	17.40	/	/	<=38.45	Pass
	844	Edge_1RB_Left	20.74	/	/	17.12	/	/	<=38.45	Pass
		Edge_1RB_Right	19.61	/	/	15.99	/	/	<=38.45	Pass
		Outer_Full	20.50	/	/	16.88	/	/	<=38.45	Pass
		Inner_Full	20.72	/	/	17.10	/	/	<=38.45	Pass
		Inner_1RB_Left	20.94	/	/	17.32	/	/	<=38.45	Pass
		Inner_1RB_Right	20.46	/	/	16.84	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge_1RB_Left	19.64	/	/	16.02	/	/	<=38.45	Pass
		Edge_1RB_Right	19.60	/	/	15.98	/	/	<=38.45	Pass
		Outer_Full	19.36	/	/	15.74	/	/	<=38.45	Pass
		Inner_Full	19.73	/	/	16.11	/	/	<=38.45	Pass

	836.5	Inner 1RB Left	19.82	/	/	16.20	/	/	<=38.45	Pass
		Inner 1RB Right	20.03	/	/	16.41	/	/	<=38.45	Pass
		Edge 1RB Left	19.75	/	/	16.13	/	/	<=38.45	Pass
		Edge 1RB Right	19.46	/	/	15.84	/	/	<=38.45	Pass
		Outer Full	19.35	/	/	15.73	/	/	<=38.45	Pass
		Inner Full	19.72	/	/	16.10	/	/	<=38.45	Pass
	844	Inner 1RB Left	20.00	/	/	16.38	/	/	<=38.45	Pass
		Inner 1RB Right	20.03	/	/	16.41	/	/	<=38.45	Pass
		Edge 1RB Left	19.72	/	/	16.10	/	/	<=38.45	Pass
		Edge 1RB Right	18.60	/	/	14.98	/	/	<=38.45	Pass
		Outer Full	19.21	/	/	15.59	/	/	<=38.45	Pass
		Inner Full	19.63	/	/	16.01	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Inner 1RB Left	19.91	/	/	16.29	/	/	<=38.45	Pass
		Inner 1RB Right	19.53	/	/	15.91	/	/	<=38.45	Pass
		Edge 1RB Left	19.19	/	/	15.57	/	/	<=38.45	Pass
		Edge 1RB Right	19.11	/	/	15.49	/	/	<=38.45	Pass
		Outer Full	18.87	/	/	15.25	/	/	<=38.45	Pass
		Inner Full	18.82	/	/	15.20	/	/	<=38.45	Pass
	836.5	Inner 1RB Left	18.91	/	/	15.29	/	/	<=38.45	Pass
		Inner 1RB Right	19.22	/	/	15.60	/	/	<=38.45	Pass
		Edge 1RB Left	19.27	/	/	15.65	/	/	<=38.45	Pass
		Edge 1RB Right	19.02	/	/	15.40	/	/	<=38.45	Pass
		Outer Full	18.83	/	/	15.21	/	/	<=38.45	Pass
		Inner Full	18.77	/	/	15.15	/	/	<=38.45	Pass
	844	Inner 1RB Left	19.00	/	/	15.38	/	/	<=38.45	Pass
		Inner 1RB Right	19.02	/	/	15.40	/	/	<=38.45	Pass
		Edge 1RB Left	19.23	/	/	15.61	/	/	<=38.45	Pass
		Edge 1RB Right	18.19	/	/	14.57	/	/	<=38.45	Pass
		Outer Full	18.74	/	/	15.12	/	/	<=38.45	Pass
		Inner Full	18.72	/	/	15.10	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Inner 1RB Left	19.11	/	/	15.49	/	/	<=38.45	Pass
		Inner 1RB Right	18.68	/	/	15.06	/	/	<=38.45	Pass
		Edge 1RB Left	17.70	/	/	14.08	/	/	<=38.45	Pass
		Edge 1RB Right	17.63	/	/	14.01	/	/	<=38.45	Pass
		Outer Full	17.52	/	/	13.90	/	/	<=38.45	Pass
		Inner Full	17.45	/	/	13.83	/	/	<=38.45	Pass
	836.5	Inner 1RB Left	17.50	/	/	13.88	/	/	<=38.45	Pass
		Inner 1RB Right	17.72	/	/	14.10	/	/	<=38.45	Pass
		Edge 1RB Left	17.82	/	/	14.20	/	/	<=38.45	Pass
		Edge 1RB Right	17.60	/	/	13.98	/	/	<=38.45	Pass
		Outer Full	17.57	/	/	13.95	/	/	<=38.45	Pass
		Inner Full	17.50	/	/	13.88	/	/	<=38.45	Pass
	844	Inner 1RB Left	17.66	/	/	14.04	/	/	<=38.45	Pass
		Inner 1RB Right	17.71	/	/	14.09	/	/	<=38.45	Pass
		Edge 1RB Left	17.81	/	/	14.19	/	/	<=38.45	Pass
		Edge 1RB Right	16.71	/	/	13.09	/	/	<=38.45	Pass
		Outer Full	17.42	/	/	13.80	/	/	<=38.45	Pass
		Inner Full	17.40	/	/	13.78	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Inner 1RB Left	17.61	/	/	13.99	/	/	<=38.45	Pass
		Inner 1RB Right	17.27	/	/	13.65	/	/	<=38.45	Pass
		Edge 1RB Left	19.04	/	/	15.42	/	/	<=38.45	Pass
		Edge 1RB Right	18.94	/	/	15.32	/	/	<=38.45	Pass
		Outer Full	18.95	/	/	15.33	/	/	<=38.45	Pass
		Inner Full	19.31	/	/	15.69	/	/	<=38.45	Pass
	836.5	Inner 1RB Left	19.32	/	/	15.70	/	/	<=38.45	Pass
		Inner 1RB Right	19.50	/	/	15.88	/	/	<=38.45	Pass
		Edge 1RB Left	19.08	/	/	15.46	/	/	<=38.45	Pass
		Edge 1RB Right	18.83	/	/	15.21	/	/	<=38.45	Pass
		Outer Full	18.92	/	/	15.30	/	/	<=38.45	Pass

		Inner_Full	19.29	/	/	15.67	/	/	<=38.45	Pass
		Inner_1RB_Left	19.39	/	/	15.77	/	/	<=38.45	Pass
		Inner_1RB_Right	19.45	/	/	15.83	/	/	<=38.45	Pass
	844	Edge_1RB_Left	19.14	/	/	15.52	/	/	<=38.45	Pass
		Edge_1RB_Right	18.01	/	/	14.39	/	/	<=38.45	Pass
		Outer_Full	18.86	/	/	15.24	/	/	<=38.45	Pass
		Inner_Full	19.21	/	/	15.59	/	/	<=38.45	Pass
		Inner_1RB_Left	19.40	/	/	15.78	/	/	<=38.45	Pass
		Inner_1RB_Right	18.98	/	/	15.36	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Edge_1RB_Left	18.78	/	/	15.16	/	/	<=38.45	Pass
		Edge_1RB_Right	18.63	/	/	15.01	/	/	<=38.45	Pass
		Outer_Full	18.43	/	/	14.81	/	/	<=38.45	Pass
		Inner_Full	18.85	/	/	15.23	/	/	<=38.45	Pass
		Inner_1RB_Left	19.01	/	/	15.39	/	/	<=38.45	Pass
		Inner_1RB_Right	19.20	/	/	15.58	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.77	/	/	15.15	/	/	<=38.45	Pass
		Edge_1RB_Right	18.59	/	/	14.97	/	/	<=38.45	Pass
		Outer_Full	18.40	/	/	14.78	/	/	<=38.45	Pass
		Inner_Full	18.81	/	/	15.19	/	/	<=38.45	Pass
		Inner_1RB_Left	19.08	/	/	15.46	/	/	<=38.45	Pass
		Inner_1RB_Right	19.14	/	/	15.52	/	/	<=38.45	Pass
	844	Edge_1RB_Left	18.87	/	/	15.25	/	/	<=38.45	Pass
		Edge_1RB_Right	17.76	/	/	14.14	/	/	<=38.45	Pass
		Outer_Full	18.32	/	/	14.70	/	/	<=38.45	Pass
		Inner_Full	18.78	/	/	15.16	/	/	<=38.45	Pass
		Inner_1RB_Left	19.13	/	/	15.51	/	/	<=38.45	Pass
		Inner_1RB_Right	18.72	/	/	15.10	/	/	<=38.45	Pass
CP-OFDM 64 QAM	829	Edge_1RB_Left	18.35	/	/	14.73	/	/	<=38.45	Pass
		Edge_1RB_Right	18.27	/	/	14.65	/	/	<=38.45	Pass
		Outer_Full	17.94	/	/	14.32	/	/	<=38.45	Pass
		Inner_Full	18.85	/	/	15.23	/	/	<=38.45	Pass
		Inner_1RB_Left	19.17	/	/	15.55	/	/	<=38.45	Pass
		Inner_1RB_Right	19.36	/	/	15.74	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.57	/	/	14.95	/	/	<=38.45	Pass
		Edge_1RB_Right	18.32	/	/	14.70	/	/	<=38.45	Pass
		Outer_Full	18.01	/	/	14.39	/	/	<=38.45	Pass
		Inner_Full	18.80	/	/	15.18	/	/	<=38.45	Pass
		Inner_1RB_Left	19.22	/	/	15.60	/	/	<=38.45	Pass
		Inner_1RB_Right	19.28	/	/	15.66	/	/	<=38.45	Pass
	844	Edge_1RB_Left	18.46	/	/	14.84	/	/	<=38.45	Pass
		Edge_1RB_Right	17.41	/	/	13.79	/	/	<=38.45	Pass
		Outer_Full	17.84	/	/	14.22	/	/	<=38.45	Pass
		Inner_Full	18.77	/	/	15.15	/	/	<=38.45	Pass
		Inner_1RB_Left	19.28	/	/	15.66	/	/	<=38.45	Pass
		Inner_1RB_Right	18.87	/	/	15.25	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Edge_1RB_Left	15.86	/	/	12.24	/	/	<=38.45	Pass
		Edge_1RB_Right	15.79	/	/	12.17	/	/	<=38.45	Pass
		Outer_Full	15.56	/	/	11.94	/	/	<=38.45	Pass
		Inner_Full	15.55	/	/	11.93	/	/	<=38.45	Pass
		Inner_1RB_Left	15.65	/	/	12.03	/	/	<=38.45	Pass
		Inner_1RB_Right	15.92	/	/	12.30	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	15.92	/	/	12.30	/	/	<=38.45	Pass
		Edge_1RB_Right	15.58	/	/	11.96	/	/	<=38.45	Pass
		Outer_Full	15.53	/	/	11.91	/	/	<=38.45	Pass
		Inner_Full	15.39	/	/	11.77	/	/	<=38.45	Pass
		Inner_1RB_Left	15.73	/	/	12.11	/	/	<=38.45	Pass
		Inner_1RB_Right	15.69	/	/	12.07	/	/	<=38.45	Pass
	844	Edge_1RB_Left	16.00	/	/	12.38	/	/	<=38.45	Pass
		Edge_1RB_Right	14.91	/	/	11.29	/	/	<=38.45	Pass

		Outer_Full	15.50	/	/	11.88	/	/	<=38.45	Pass
		Inner_Full	15.37	/	/	11.75	/	/	<=38.45	Pass
		Inner_1RB_Left	15.82	/	/	12.20	/	/	<=38.45	Pass
		Inner_1RB_Right	15.47	/	/	11.85	/	/	<=38.45	Pass

Note1: Antenna Gain: Ant1: -1.47dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.6 30k_SISO_15MHz_NTNV_ERP

5G NR n5 SCS=30kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	831.5	Edge_1RB_Left	20.65	/	/	17.03	/	/	<=38.45	Pass
		Edge_1RB_Right	20.97	/	/	17.35	/	/	<=38.45	Pass
		Outer_Full	20.43	/	/	16.81	/	/	<=38.45	Pass
		Inner_Full	20.69	/	/	17.07	/	/	<=38.45	Pass
		Inner_1RB_Left	20.99	/	/	17.37	/	/	<=38.45	Pass
		Inner_1RB_Right	21.20	/	/	17.58	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.14	/	/	17.52	/	/	<=38.45	Pass
		Edge_1RB_Right	21.18	/	/	17.56	/	/	<=38.45	Pass
		Outer_Full	20.86	/	/	17.24	/	/	<=38.45	Pass
		Inner_Full	20.83	/	/	17.21	/	/	<=38.45	Pass
		Inner_1RB_Left	21.41	/	/	17.79	/	/	<=38.45	Pass
		Inner_1RB_Right	21.37	/	/	17.75	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	20.86	/	/	17.24	/	/	<=38.45	Pass
		Edge_1RB_Right	20.15	/	/	16.53	/	/	<=38.45	Pass
		Outer_Full	20.42	/	/	16.80	/	/	<=38.45	Pass
		Inner_Full	20.63	/	/	17.01	/	/	<=38.45	Pass
		Inner_1RB_Left	21.26	/	/	17.64	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Inner_1RB_Right	20.84	/	/	17.22	/	/	<=38.45	Pass
		Edge_1RB_Left	19.76	/	/	16.14	/	/	<=38.45	Pass
		Edge_1RB_Right	20.08	/	/	16.46	/	/	<=38.45	Pass
		Outer_Full	19.35	/	/	15.73	/	/	<=38.45	Pass
		Inner_Full	19.62	/	/	16.00	/	/	<=38.45	Pass
		Inner_1RB_Left	20.15	/	/	16.53	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	20.35	/	/	16.73	/	/	<=38.45	Pass
		Edge_1RB_Left	19.98	/	/	16.36	/	/	<=38.45	Pass
		Edge_1RB_Right	20.06	/	/	16.44	/	/	<=38.45	Pass
		Outer_Full	19.49	/	/	15.87	/	/	<=38.45	Pass
		Inner_Full	19.70	/	/	16.08	/	/	<=38.45	Pass
		Inner_1RB_Left	20.34	/	/	16.72	/	/	<=38.45	Pass
	841.5	Inner_1RB_Right	20.34	/	/	16.72	/	/	<=38.45	Pass
		Edge_1RB_Left	19.84	/	/	16.22	/	/	<=38.45	Pass
		Edge_1RB_Right	19.15	/	/	15.53	/	/	<=38.45	Pass
		Outer_Full	19.27	/	/	15.65	/	/	<=38.45	Pass
		Inner_Full	19.51	/	/	15.89	/	/	<=38.45	Pass
		Inner_1RB_Left	20.20	/	/	16.58	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Inner_1RB_Right	19.83	/	/	16.21	/	/	<=38.45	Pass
		Edge_1RB_Left	19.29	/	/	15.67	/	/	<=38.45	Pass
		Edge_1RB_Right	19.65	/	/	16.03	/	/	<=38.45	Pass
		Outer_Full	18.85	/	/	15.23	/	/	<=38.45	Pass
		Inner_Full	18.72	/	/	15.10	/	/	<=38.45	Pass
		Inner_1RB_Left	19.26	/	/	15.64	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	19.49	/	/	15.87	/	/	<=38.45	Pass
		Edge_1RB_Left	19.56	/	/	15.94	/	/	<=38.45	Pass
		Edge_1RB_Right	19.69	/	/	16.07	/	/	<=38.45	Pass
		Outer_Full	19.05	/	/	15.43	/	/	<=38.45	Pass

		Inner_Full	18.87	/	/	15.25	/	/	<=38.45	Pass
		Inner_1RB_Left	19.48	/	/	15.86	/	/	<=38.45	Pass
		Inner_1RB_Right	19.50	/	/	15.88	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.32	/	/	15.70	/	/	<=38.45	Pass
		Edge_1RB_Right	18.72	/	/	15.10	/	/	<=38.45	Pass
		Outer_Full	18.72	/	/	15.10	/	/	<=38.45	Pass
		Inner_Full	18.56	/	/	14.94	/	/	<=38.45	Pass
		Inner_1RB_Left	19.25	/	/	15.63	/	/	<=38.45	Pass
		Inner_1RB_Right	18.90	/	/	15.28	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Edge_1RB_Left	17.78	/	/	14.16	/	/	<=38.45	Pass
		Edge_1RB_Right	18.14	/	/	14.52	/	/	<=38.45	Pass
		Outer_Full	17.44	/	/	13.82	/	/	<=38.45	Pass
		Inner_Full	17.30	/	/	13.68	/	/	<=38.45	Pass
		Inner_1RB_Left	17.72	/	/	14.10	/	/	<=38.45	Pass
		Inner_1RB_Right	17.93	/	/	14.31	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.03	/	/	14.41	/	/	<=38.45	Pass
		Edge_1RB_Right	18.17	/	/	14.55	/	/	<=38.45	Pass
		Outer_Full	17.59	/	/	13.97	/	/	<=38.45	Pass
		Inner_Full	17.42	/	/	13.80	/	/	<=38.45	Pass
		Inner_1RB_Left	17.96	/	/	14.34	/	/	<=38.45	Pass
		Inner_1RB_Right	17.97	/	/	14.35	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	17.94	/	/	14.32	/	/	<=38.45	Pass
		Edge_1RB_Right	17.31	/	/	13.69	/	/	<=38.45	Pass
		Outer_Full	17.41	/	/	13.79	/	/	<=38.45	Pass
		Inner_Full	17.24	/	/	13.62	/	/	<=38.45	Pass
		Inner_1RB_Left	17.79	/	/	14.17	/	/	<=38.45	Pass
		Inner_1RB_Right	17.50	/	/	13.88	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Edge_1RB_Left	19.04	/	/	15.42	/	/	<=38.45	Pass
		Edge_1RB_Right	19.40	/	/	15.78	/	/	<=38.45	Pass
		Outer_Full	18.87	/	/	15.25	/	/	<=38.45	Pass
		Inner_Full	19.19	/	/	15.57	/	/	<=38.45	Pass
		Inner_1RB_Left	19.44	/	/	15.82	/	/	<=38.45	Pass
		Inner_1RB_Right	19.77	/	/	16.15	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.39	/	/	15.77	/	/	<=38.45	Pass
		Edge_1RB_Right	19.50	/	/	15.88	/	/	<=38.45	Pass
		Outer_Full	19.16	/	/	15.54	/	/	<=38.45	Pass
		Inner_Full	19.25	/	/	15.63	/	/	<=38.45	Pass
		Inner_1RB_Left	19.69	/	/	16.07	/	/	<=38.45	Pass
		Inner_1RB_Right	19.69	/	/	16.07	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.15	/	/	15.53	/	/	<=38.45	Pass
		Edge_1RB_Right	18.53	/	/	14.91	/	/	<=38.45	Pass
		Outer_Full	18.83	/	/	15.21	/	/	<=38.45	Pass
		Inner_Full	19.08	/	/	15.46	/	/	<=38.45	Pass
		Inner_1RB_Left	19.54	/	/	15.92	/	/	<=38.45	Pass
		Inner_1RB_Right	19.35	/	/	15.73	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Edge_1RB_Left	18.74	/	/	15.12	/	/	<=38.45	Pass
		Edge_1RB_Right	19.21	/	/	15.59	/	/	<=38.45	Pass
		Outer_Full	18.45	/	/	14.83	/	/	<=38.45	Pass
		Inner_Full	18.75	/	/	15.13	/	/	<=38.45	Pass
		Inner_1RB_Left	19.11	/	/	15.49	/	/	<=38.45	Pass
		Inner_1RB_Right	19.45	/	/	15.83	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.09	/	/	15.47	/	/	<=38.45	Pass
		Edge_1RB_Right	19.18	/	/	15.56	/	/	<=38.45	Pass
		Outer_Full	18.57	/	/	14.95	/	/	<=38.45	Pass
		Inner_Full	18.85	/	/	15.23	/	/	<=38.45	Pass
		Inner_1RB_Left	19.45	/	/	15.83	/	/	<=38.45	Pass
		Inner_1RB_Right	19.46	/	/	15.84	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	18.95	/	/	15.33	/	/	<=38.45	Pass
		Edge_1RB_Right	18.25	/	/	14.63	/	/	<=38.45	Pass

		Outer_Full	18.35	/	/	14.73	/	/	<=38.45	Pass
		Inner_Full	18.65	/	/	15.03	/	/	<=38.45	Pass
		Inner_1RB_Left	19.32	/	/	15.70	/	/	<=38.45	Pass
		Inner_1RB_Right	18.96	/	/	15.34	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	18.53	/	/	14.91	/	/	<=38.45	Pass
		Edge_1RB_Right	18.79	/	/	15.17	/	/	<=38.45	Pass
		Outer_Full	17.98	/	/	14.36	/	/	<=38.45	Pass
		Inner_Full	18.63	/	/	15.01	/	/	<=38.45	Pass
		Inner_1RB_Left	19.32	/	/	15.70	/	/	<=38.45	Pass
		Inner_1RB_Right	19.64	/	/	16.02	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.59	/	/	14.97	/	/	<=38.45	Pass
		Edge_1RB_Right	18.84	/	/	15.22	/	/	<=38.45	Pass
		Outer_Full	18.07	/	/	14.45	/	/	<=38.45	Pass
		Inner_Full	18.84	/	/	15.22	/	/	<=38.45	Pass
		Inner_1RB_Left	19.59	/	/	15.97	/	/	<=38.45	Pass
		Inner_1RB_Right	19.58	/	/	15.96	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	18.66	/	/	15.04	/	/	<=38.45	Pass
		Edge_1RB_Right	18.05	/	/	14.43	/	/	<=38.45	Pass
		Outer_Full	17.90	/	/	14.28	/	/	<=38.45	Pass
		Inner_Full	18.67	/	/	15.05	/	/	<=38.45	Pass
		Inner_1RB_Left	19.46	/	/	15.84	/	/	<=38.45	Pass
		Inner_1RB_Right	19.08	/	/	15.46	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Edge_1RB_Left	15.82	/	/	12.20	/	/	<=38.45	Pass
		Edge_1RB_Right	16.20	/	/	12.58	/	/	<=38.45	Pass
		Outer_Full	15.39	/	/	11.77	/	/	<=38.45	Pass
		Inner_Full	15.28	/	/	11.66	/	/	<=38.45	Pass
		Inner_1RB_Left	15.74	/	/	12.12	/	/	<=38.45	Pass
		Inner_1RB_Right	15.96	/	/	12.34	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	16.04	/	/	12.42	/	/	<=38.45	Pass
		Edge_1RB_Right	16.18	/	/	12.56	/	/	<=38.45	Pass
		Outer_Full	15.56	/	/	11.94	/	/	<=38.45	Pass
		Inner_Full	15.43	/	/	11.81	/	/	<=38.45	Pass
		Inner_1RB_Left	15.98	/	/	12.36	/	/	<=38.45	Pass
		Inner_1RB_Right	15.98	/	/	12.36	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	16.10	/	/	12.48	/	/	<=38.45	Pass
		Edge_1RB_Right	15.55	/	/	11.93	/	/	<=38.45	Pass
		Outer_Full	15.50	/	/	11.88	/	/	<=38.45	Pass
		Inner_Full	15.27	/	/	11.65	/	/	<=38.45	Pass
		Inner_1RB_Left	16.00	/	/	12.38	/	/	<=38.45	Pass
		Inner_1RB_Right	15.56	/	/	11.94	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -1.47dBi;										
Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.7 30k_SISO_20MHz_NTNV_ERP

5G NR n5 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Edge_1RB_Left	21.09	/	/	17.47	/	/	<=38.45	Pass
		Edge_1RB_Right	21.24	/	/	17.62	/	/	<=38.45	Pass
		Outer_Full	20.77	/	/	17.15	/	/	<=38.45	Pass
		Inner_Full	20.84	/	/	17.22	/	/	<=38.45	Pass
		Inner_1RB_Left	21.45	/	/	17.83	/	/	<=38.45	Pass
		Inner_1RB_Right	21.62	/	/	18.00	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.09	/	/	17.47	/	/	<=38.45	Pass
		Edge_1RB_Right	21.14	/	/	17.52	/	/	<=38.45	Pass
		Outer_Full	20.71	/	/	17.09	/	/	<=38.45	Pass

		Inner_Full	20.77	/	/	17.15	/	/	<=38.45	Pass
		Inner_1RB_Left	21.46	/	/	17.84	/	/	<=38.45	Pass
		Inner_1RB_Right	21.53	/	/	17.91	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.11	/	/	17.49	/	/	<=38.45	Pass
		Edge_1RB_Right	20.06	/	/	16.44	/	/	<=38.45	Pass
		Outer_Full	20.68	/	/	17.06	/	/	<=38.45	Pass
		Inner_Full	20.72	/	/	17.10	/	/	<=38.45	Pass
		Inner_1RB_Left	21.50	/	/	17.88	/	/	<=38.45	Pass
		Inner_1RB_Right	20.73	/	/	17.11	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge_1RB_Left	20.15	/	/	16.53	/	/	<=38.45	Pass
		Edge_1RB_Right	20.36	/	/	16.74	/	/	<=38.45	Pass
		Outer_Full	19.61	/	/	15.99	/	/	<=38.45	Pass
		Inner_Full	19.78	/	/	16.16	/	/	<=38.45	Pass
		Inner_1RB_Left	20.61	/	/	16.99	/	/	<=38.45	Pass
		Inner_1RB_Right	20.61	/	/	16.99	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.17	/	/	16.55	/	/	<=38.45	Pass
		Edge_1RB_Right	20.26	/	/	16.64	/	/	<=38.45	Pass
		Outer_Full	19.56	/	/	15.94	/	/	<=38.45	Pass
		Inner_Full	19.71	/	/	16.09	/	/	<=38.45	Pass
		Inner_1RB_Left	20.61	/	/	16.99	/	/	<=38.45	Pass
		Inner_1RB_Right	20.60	/	/	16.98	/	/	<=38.45	Pass
	839	Edge_1RB_Left	20.19	/	/	16.57	/	/	<=38.45	Pass
		Edge_1RB_Right	19.17	/	/	15.55	/	/	<=38.45	Pass
		Outer_Full	19.51	/	/	15.89	/	/	<=38.45	Pass
		Inner_Full	19.67	/	/	16.05	/	/	<=38.45	Pass
		Inner_1RB_Left	20.59	/	/	16.97	/	/	<=38.45	Pass
		Inner_1RB_Right	19.90	/	/	16.28	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Edge_1RB_Left	19.64	/	/	16.02	/	/	<=38.45	Pass
		Edge_1RB_Right	19.73	/	/	16.11	/	/	<=38.45	Pass
		Outer_Full	19.04	/	/	15.42	/	/	<=38.45	Pass
		Inner_Full	18.81	/	/	15.19	/	/	<=38.45	Pass
		Inner_1RB_Left	19.53	/	/	15.91	/	/	<=38.45	Pass
		Inner_1RB_Right	19.61	/	/	15.99	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.63	/	/	16.01	/	/	<=38.45	Pass
		Edge_1RB_Right	19.68	/	/	16.06	/	/	<=38.45	Pass
		Outer_Full	18.97	/	/	15.35	/	/	<=38.45	Pass
		Inner_Full	18.72	/	/	15.10	/	/	<=38.45	Pass
		Inner_1RB_Left	19.62	/	/	16.00	/	/	<=38.45	Pass
		Inner_1RB_Right	19.62	/	/	16.00	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.56	/	/	15.94	/	/	<=38.45	Pass
		Edge_1RB_Right	18.54	/	/	14.92	/	/	<=38.45	Pass
		Outer_Full	18.91	/	/	15.29	/	/	<=38.45	Pass
		Inner_Full	18.69	/	/	15.07	/	/	<=38.45	Pass
		Inner_1RB_Left	19.56	/	/	15.94	/	/	<=38.45	Pass
		Inner_1RB_Right	18.87	/	/	15.25	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge_1RB_Left	18.14	/	/	14.52	/	/	<=38.45	Pass
		Edge_1RB_Right	18.30	/	/	14.68	/	/	<=38.45	Pass
		Outer_Full	17.68	/	/	14.06	/	/	<=38.45	Pass
		Inner_Full	17.39	/	/	13.77	/	/	<=38.45	Pass
		Inner_1RB_Left	18.11	/	/	14.49	/	/	<=38.45	Pass
		Inner_1RB_Right	18.17	/	/	14.55	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.15	/	/	14.53	/	/	<=38.45	Pass
		Edge_1RB_Right	18.28	/	/	14.66	/	/	<=38.45	Pass
		Outer_Full	17.61	/	/	13.99	/	/	<=38.45	Pass
		Inner_Full	17.34	/	/	13.72	/	/	<=38.45	Pass
		Inner_1RB_Left	18.15	/	/	14.53	/	/	<=38.45	Pass
		Inner_1RB_Right	18.14	/	/	14.52	/	/	<=38.45	Pass
	839	Edge_1RB_Left	18.14	/	/	14.52	/	/	<=38.45	Pass
		Edge_1RB_Right	17.17	/	/	13.55	/	/	<=38.45	Pass

		Outer_Full	17.57	/	/	13.95	/	/	<=38.45	Pass
		Inner_Full	17.30	/	/	13.68	/	/	<=38.45	Pass
		Inner_1RB_Left	18.15	/	/	14.53	/	/	<=38.45	Pass
		Inner_1RB_Right	17.47	/	/	13.85	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge_1RB_Left	19.63	/	/	16.01	/	/	<=38.45	Pass
		Edge_1RB_Right	19.79	/	/	16.17	/	/	<=38.45	Pass
		Outer_Full	19.24	/	/	15.62	/	/	<=38.45	Pass
		Inner_Full	19.34	/	/	15.72	/	/	<=38.45	Pass
		Inner_1RB_Left	20.15	/	/	16.53	/	/	<=38.45	Pass
		Inner_1RB_Right	20.23	/	/	16.61	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.47	/	/	15.85	/	/	<=38.45	Pass
		Edge_1RB_Right	19.54	/	/	15.92	/	/	<=38.45	Pass
		Outer_Full	19.10	/	/	15.48	/	/	<=38.45	Pass
		Inner_Full	19.28	/	/	15.66	/	/	<=38.45	Pass
		Inner_1RB_Left	20.05	/	/	16.43	/	/	<=38.45	Pass
		Inner_1RB_Right	20.02	/	/	16.40	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.46	/	/	15.84	/	/	<=38.45	Pass
		Edge_1RB_Right	18.45	/	/	14.83	/	/	<=38.45	Pass
		Outer_Full	19.03	/	/	15.41	/	/	<=38.45	Pass
		Inner_Full	19.27	/	/	15.65	/	/	<=38.45	Pass
		Inner_1RB_Left	20.02	/	/	16.40	/	/	<=38.45	Pass
		Inner_1RB_Right	19.33	/	/	15.71	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge_1RB_Left	19.29	/	/	15.67	/	/	<=38.45	Pass
		Edge_1RB_Right	19.54	/	/	15.92	/	/	<=38.45	Pass
		Outer_Full	18.71	/	/	15.09	/	/	<=38.45	Pass
		Inner_Full	18.78	/	/	15.16	/	/	<=38.45	Pass
		Inner_1RB_Left	19.77	/	/	16.15	/	/	<=38.45	Pass
		Inner_1RB_Right	19.84	/	/	16.22	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.20	/	/	15.58	/	/	<=38.45	Pass
		Edge_1RB_Right	19.21	/	/	15.59	/	/	<=38.45	Pass
		Outer_Full	18.59	/	/	14.97	/	/	<=38.45	Pass
		Inner_Full	18.71	/	/	15.09	/	/	<=38.45	Pass
		Inner_1RB_Left	19.62	/	/	16.00	/	/	<=38.45	Pass
		Inner_1RB_Right	19.61	/	/	15.99	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.19	/	/	15.57	/	/	<=38.45	Pass
		Edge_1RB_Right	18.19	/	/	14.57	/	/	<=38.45	Pass
		Outer_Full	18.53	/	/	14.91	/	/	<=38.45	Pass
		Inner_Full	18.69	/	/	15.07	/	/	<=38.45	Pass
		Inner_1RB_Left	19.64	/	/	16.02	/	/	<=38.45	Pass
		Inner_1RB_Right	18.94	/	/	15.32	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge_1RB_Left	18.92	/	/	15.30	/	/	<=38.45	Pass
		Edge_1RB_Right	19.22	/	/	15.60	/	/	<=38.45	Pass
		Outer_Full	18.26	/	/	14.64	/	/	<=38.45	Pass
		Inner_Full	18.81	/	/	15.19	/	/	<=38.45	Pass
		Inner_1RB_Left	19.92	/	/	16.30	/	/	<=38.45	Pass
		Inner_1RB_Right	19.95	/	/	16.33	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.88	/	/	15.26	/	/	<=38.45	Pass
		Edge_1RB_Right	18.96	/	/	15.34	/	/	<=38.45	Pass
		Outer_Full	18.12	/	/	14.50	/	/	<=38.45	Pass
		Inner_Full	18.74	/	/	15.12	/	/	<=38.45	Pass
		Inner_1RB_Left	19.77	/	/	16.15	/	/	<=38.45	Pass
		Inner_1RB_Right	19.76	/	/	16.14	/	/	<=38.45	Pass
	839	Edge_1RB_Left	18.88	/	/	15.26	/	/	<=38.45	Pass
		Edge_1RB_Right	17.87	/	/	14.25	/	/	<=38.45	Pass
		Outer_Full	18.07	/	/	14.45	/	/	<=38.45	Pass
		Inner_Full	18.73	/	/	15.11	/	/	<=38.45	Pass
		Inner_1RB_Left	19.80	/	/	16.18	/	/	<=38.45	Pass
		Inner_1RB_Right	19.10	/	/	15.48	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Edge_1RB_Left	16.32	/	/	12.70	/	/	<=38.45	Pass

		Edge_1RB_Right	16.56	/	/	12.94	/	/	<=38.45	Pass
		Outer_Full	15.79	/	/	12.17	/	/	<=38.45	Pass
		Inner_Full	15.50	/	/	11.88	/	/	<=38.45	Pass
		Inner_1RB_Left	16.33	/	/	12.71	/	/	<=38.45	Pass
		Inner_1RB_Right	16.46	/	/	12.84	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	16.33	/	/	12.71	/	/	<=38.45	Pass
		Edge_1RB_Right	16.48	/	/	12.86	/	/	<=38.45	Pass
		Outer_Full	15.73	/	/	12.11	/	/	<=38.45	Pass
		Inner_Full	15.45	/	/	11.83	/	/	<=38.45	Pass
		Inner_1RB_Left	16.34	/	/	12.72	/	/	<=38.45	Pass
	839	Inner_1RB_Right	16.41	/	/	12.79	/	/	<=38.45	Pass
		Edge_1RB_Left	16.35	/	/	12.73	/	/	<=38.45	Pass
		Edge_1RB_Right	15.37	/	/	11.75	/	/	<=38.45	Pass
		Outer_Full	15.69	/	/	12.07	/	/	<=38.45	Pass
		Inner_Full	15.44	/	/	11.82	/	/	<=38.45	Pass
		Inner_1RB_Left	16.21	/	/	12.59	/	/	<=38.45	Pass
		Inner_1RB_Right	15.73	/	/	12.11	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -1.47dBi;										
Note2: ERP=Conducted Power+Antenna Gain-2 15										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_5MHz

5G NR n5 SCS=15kHz SISO 5MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			-30	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-2.00	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			-20	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			40	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass

			0	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.70	-0.0056	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	50	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	40	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.30	-0.0027	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.90	-0.0059	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	30	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass

			40	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			50	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass

2.1.2 15k_SISO_10MHz

5G NR n5 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 QPSK	836.5	Outer_Full	20	LV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			20	NV	-1.60	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass

			0	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	50	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	40	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.30	-0.0063	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	30	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass

2.1.3 15k_SISO_15MHz

5G NR n5 SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16	836.5	Outer_Full	50	NV	-1.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass

QAM				HV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full		NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.00	-0.0060	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.30	-0.0027	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.50	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.00	-0.0060	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.20	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.30	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass

			0	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	50	NV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass

2.1.4 15k_SISO_20MHz

5G NR n5 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 QPSK	836.5	Outer_Full	20	LV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256	836.5	Outer_Full	20	LV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass

QAM				HV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.20	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	50	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.90	-0.0059	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	30	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	10	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	-10	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.50	-0.0030	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.30	-0.0063	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass

2.1.5 30k_SISO_10MHz

5G NR n5 SCS=30kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	16.60	0.0198	>=-2.5 & <=2.5	Pass
				HV	11.00	0.0132	>=-2.5 & <=2.5	Pass
			-30	NV	10.70	0.0128	>=-2.5 & <=2.5	Pass
			-20	NV	11.00	0.0132	>=-2.5 & <=2.5	Pass
			-10	NV	12.10	0.0145	>=-2.5 & <=2.5	Pass
			0	NV	12.80	0.0153	>=-2.5 & <=2.5	Pass
			10	NV	10.50	0.0126	>=-2.5 & <=2.5	Pass
			20	NV	13.10	0.0157	>=-2.5 & <=2.5	Pass
			30	NV	8.30	0.0099	>=-2.5 & <=2.5	Pass
			40	NV	12.90	0.0154	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	12.20	0.0146	>=-2.5 & <=2.5	Pass
				HV	13.00	0.0155	>=-2.5 & <=2.5	Pass
			-30	NV	10.50	0.0126	>=-2.5 & <=2.5	Pass
			-20	NV	14.00	0.0167	>=-2.5 & <=2.5	Pass
			-10	NV	11.20	0.0134	>=-2.5 & <=2.5	Pass
			0	NV	13.10	0.0157	>=-2.5 & <=2.5	Pass
			10	NV	14.50	0.0173	>=-2.5 & <=2.5	Pass
			20	NV	13.30	0.0159	>=-2.5 & <=2.5	Pass
			30	NV	12.10	0.0145	>=-2.5 & <=2.5	Pass
			40	NV	12.10	0.0145	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	10.20	0.0122	>=-2.5 & <=2.5	Pass
				HV	12.00	0.0143	>=-2.5 & <=2.5	Pass
			-30	NV	13.60	0.0163	>=-2.5 & <=2.5	Pass
			-20	NV	12.80	0.0153	>=-2.5 & <=2.5	Pass
			-10	NV	12.00	0.0143	>=-2.5 & <=2.5	Pass
			0	NV	11.70	0.0140	>=-2.5 & <=2.5	Pass
			10	NV	10.30	0.0123	>=-2.5 & <=2.5	Pass
			20	NV	10.00	0.0120	>=-2.5 & <=2.5	Pass
			30	NV	14.00	0.0167	>=-2.5 & <=2.5	Pass
			40	NV	12.90	0.0154	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	12.90	0.0154	>=-2.5 & <=2.5	Pass
				HV	12.40	0.0148	>=-2.5 & <=2.5	Pass
			-30	NV	11.40	0.0136	>=-2.5 & <=2.5	Pass
			-20	NV	11.80	0.0141	>=-2.5 & <=2.5	Pass
			-10	NV	11.90	0.0142	>=-2.5 & <=2.5	Pass
			0	NV	9.50	0.0114	>=-2.5 & <=2.5	Pass
			10	NV	12.50	0.0149	>=-2.5 & <=2.5	Pass
			20	NV	14.50	0.0173	>=-2.5 & <=2.5	Pass
			30	NV	9.20	0.0110	>=-2.5 & <=2.5	Pass
			40	NV	13.00	0.0155	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
				HV	2.30	0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0066	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			0	NV	4.40	0.0053	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			20	NV	-1.30	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0065	>=-2.5 & <=2.5	Pass
			40	NV	2.00	0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
				LV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass

			-30	HV	-7.00	-0.0084	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.40	-0.0065	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.00	0.0036	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-0.70	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.30	0.0027	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.80	0.0057	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.00	0.0048	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.30	0.0027	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	40	NV	4.50	0.0054	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
				NV	2.00	0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
				HV	2.20	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.80	0.0045	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.10	0.0049	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.30	0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.10	0.0037	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.70	0.0032	≥ -2.5 & ≤ 2.5	Pass

2.1.6 30k_SISO_15MHz

5G NR n5 SCS=30kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	12.20	0.0146	≥ -2.5 & ≤ 2.5	Pass
				HV	14.90	0.0178	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	13.30	0.0159	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	11.90	0.0142	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	12.60	0.0151	≥ -2.5 & ≤ 2.5	Pass
			0	NV	10.30	0.0123	≥ -2.5 & ≤ 2.5	Pass
			10	NV	10.50	0.0126	≥ -2.5 & ≤ 2.5	Pass
			20	NV	13.30	0.0159	≥ -2.5 & ≤ 2.5	Pass
			30	NV	13.30	0.0159	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	40	NV	10.60	0.0127	≥ -2.5 & ≤ 2.5	Pass
			50	NV	13.70	0.0164	≥ -2.5 & ≤ 2.5	Pass
			20	LV	12.10	0.0145	≥ -2.5 & ≤ 2.5	Pass
				HV	10.40	0.0124	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	12.70	0.0152	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	12.10	0.0145	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	11.80	0.0141	≥ -2.5 & ≤ 2.5	Pass
			0	NV	10.80	0.0129	≥ -2.5 & ≤ 2.5	Pass
			10	NV	10.30	0.0123	≥ -2.5 & ≤ 2.5	Pass
			20	NV	10.20	0.0122	≥ -2.5 & ≤ 2.5	Pass

			30	NV	10.90	0.0130	≥ -2.5 & ≤ 2.5	Pass
			40	NV	13.50	0.0161	≥ -2.5 & ≤ 2.5	Pass
			50	NV	9.10	0.0109	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	10.20	0.0122	≥ -2.5 & ≤ 2.5	Pass
				HV	11.90	0.0142	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	11.10	0.0133	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	13.40	0.0160	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	11.50	0.0137	≥ -2.5 & ≤ 2.5	Pass
			0	NV	10.00	0.0120	≥ -2.5 & ≤ 2.5	Pass
			10	NV	9.90	0.0118	≥ -2.5 & ≤ 2.5	Pass
			20	NV	13.30	0.0159	≥ -2.5 & ≤ 2.5	Pass
			30	NV	12.40	0.0148	≥ -2.5 & ≤ 2.5	Pass
			40	NV	10.10	0.0121	≥ -2.5 & ≤ 2.5	Pass
			50	NV	11.20	0.0134	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	14.20	0.0170	≥ -2.5 & ≤ 2.5	Pass
				HV	14.00	0.0167	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	11.70	0.0140	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	13.50	0.0161	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	10.40	0.0124	≥ -2.5 & ≤ 2.5	Pass
			0	NV	10.80	0.0129	≥ -2.5 & ≤ 2.5	Pass
			10	NV	9.50	0.0114	≥ -2.5 & ≤ 2.5	Pass
			20	NV	11.40	0.0136	≥ -2.5 & ≤ 2.5	Pass
			30	NV	10.90	0.0130	≥ -2.5 & ≤ 2.5	Pass
			40	NV	10.50	0.0126	≥ -2.5 & ≤ 2.5	Pass
			50	NV	10.90	0.0130	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	5.10	0.0061	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.80	0.0045	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.90	0.0035	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
				HV	2.30	0.0027	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.50	0.0030	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.00	-0.0060	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.00	0.0048	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.00	-0.0060	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.00	-0.0060	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.60	-0.0067	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.10	0.0037	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	5.00	0.0060	≥ -2.5 & ≤ 2.5	Pass

				HV	2.80	0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.60	-0.0067	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.40	0.0041	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.90	-0.0059	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.00	0.0036	≥ -2.5 & ≤ 2.5	Pass

2.1.7 30k_SISO_20MHz

5G NR n5 SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	10.30	0.0123	≥ -2.5 & ≤ 2.5	Pass
				HV	10.80	0.0129	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	12.40	0.0148	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	12.10	0.0145	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	14.60	0.0175	≥ -2.5 & ≤ 2.5	Pass
			0	NV	15.40	0.0184	≥ -2.5 & ≤ 2.5	Pass
			10	NV	11.30	0.0135	≥ -2.5 & ≤ 2.5	Pass
			20	NV	11.10	0.0133	≥ -2.5 & ≤ 2.5	Pass
			30	NV	12.50	0.0149	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	8.80	0.0105	≥ -2.5 & ≤ 2.5	Pass
				HV	11.40	0.0136	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	13.30	0.0159	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	13.50	0.0161	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	13.80	0.0165	≥ -2.5 & ≤ 2.5	Pass
			0	NV	12.10	0.0145	≥ -2.5 & ≤ 2.5	Pass
			10	NV	10.40	0.0124	≥ -2.5 & ≤ 2.5	Pass
			20	NV	13.80	0.0165	≥ -2.5 & ≤ 2.5	Pass
			30	NV	9.80	0.0117	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	12.60	0.0151	≥ -2.5 & ≤ 2.5	Pass
				HV	13.30	0.0159	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	10.60	0.0127	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	14.30	0.0171	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	10.60	0.0127	≥ -2.5 & ≤ 2.5	Pass
			0	NV	12.30	0.0147	≥ -2.5 & ≤ 2.5	Pass
			10	NV	11.30	0.0135	≥ -2.5 & ≤ 2.5	Pass
			20	NV	11.00	0.0132	≥ -2.5 & ≤ 2.5	Pass
			30	NV	12.40	0.0148	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	14.50	0.0173	≥ -2.5 & ≤ 2.5	Pass
				HV	9.90	0.0118	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	8.90	0.0106	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	13.30	0.0159	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	12.50	0.0149	≥ -2.5 & ≤ 2.5	Pass
			0	NV	11.50	0.0137	≥ -2.5 & ≤ 2.5	Pass
			10	NV	11.60	0.0139	≥ -2.5 & ≤ 2.5	Pass
			20	NV	13.90	0.0166	≥ -2.5 & ≤ 2.5	Pass

			30	NV	11.80	0.0141	≥ -2.5 & ≤ 2.5	Pass
			40	NV	11.30	0.0135	≥ -2.5 & ≤ 2.5	Pass
			50	NV	11.40	0.0136	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	3.20	0.0038	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.50	0.0030	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.10	-0.0073	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.90	-0.0059	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.70	-0.0068	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.20	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.40	-0.0065	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
				HV	3.20	0.0038	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.70	-0.0056	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.80	0.0033	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.80	-0.0069	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.40	0.0041	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.60	-0.0067	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.70	-0.0092	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.90	-0.0059	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	4.80	0.0057	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-0.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.50	0.0042	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.10	-0.0073	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.60	0.0055	≥ -2.5 & ≤ 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN				
Modulation	Frequency	RB	Modulation Characteristics	Verdict

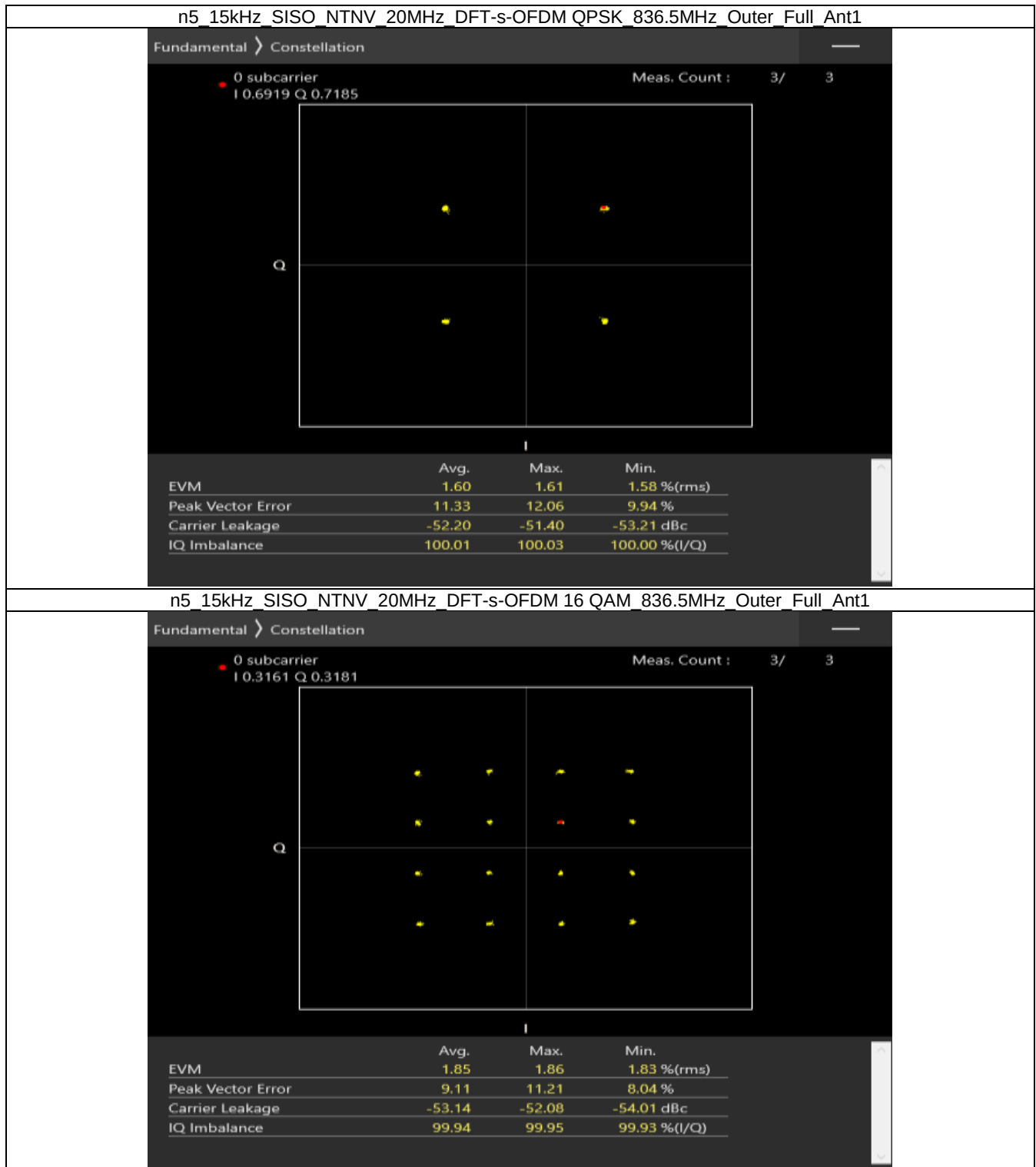
	(MHz)	Allocation	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
CP-OFDM QPSK	836.5	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 16 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 64 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 256 QAM	836.5	Outer_Full			Refer To Test Graph		Pass

3.1.2 30k_SISO_20MHz_NTNV

5G NR n5 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
CP-OFDM QPSK	836.5	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 16 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 64 QAM	836.5	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 256 QAM	836.5	Outer_Full			Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 15k_SISO_20MHz_NTNV



n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.4605 Q 0.7619

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	1.88	1.90	1.86 %(rms)
Peak Vector Error	8.80	9.09	8.63 %
Carrier Leakage	-47.81	-47.01	-48.45 dBc
IQ Imbalance	99.96	99.97	99.94 %(I/Q)

n5 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

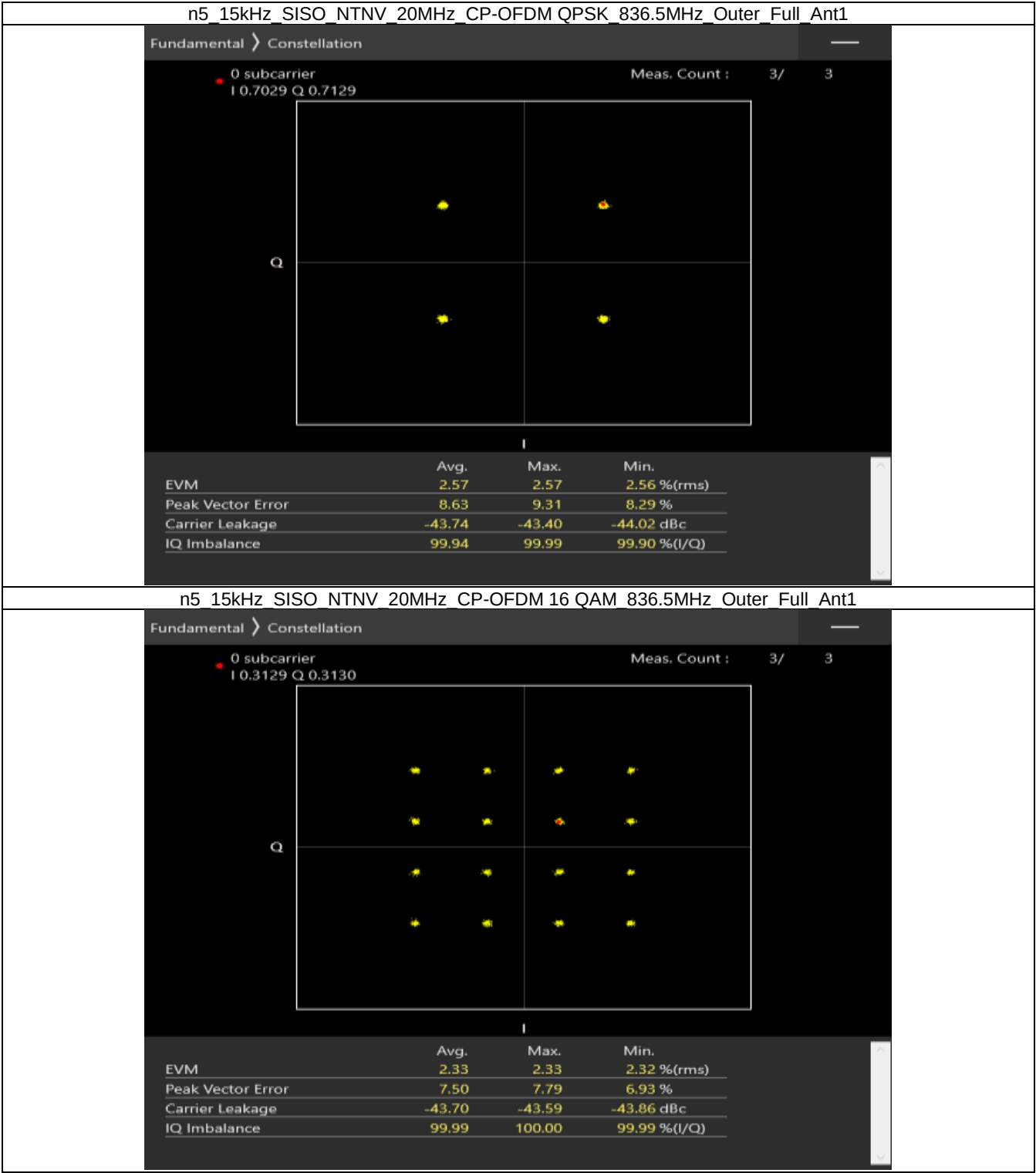
0 subcarrier
I 0.5357 Q 0.5422

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	1.72	1.73	1.71 %(rms)
Peak Vector Error	10.22	10.53	10.04 %
Carrier Leakage	-42.27	-42.12	-42.40 dBc
IQ Imbalance	100.03	100.04	100.03 %(I/Q)



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1

Fundamental > Constellation

0 subcarrier
I 0.4588 Q 0.4243

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	2.17	2.19	2.15 %(rms)
Peak Vector Error	7.69	8.11	7.37 %
Carrier Leakage	-45.84	-45.50	-46.37 dBc
IQ Imbalance	99.99	100.00	99.97 %(I/Q)

n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1

Fundamental > Constellation

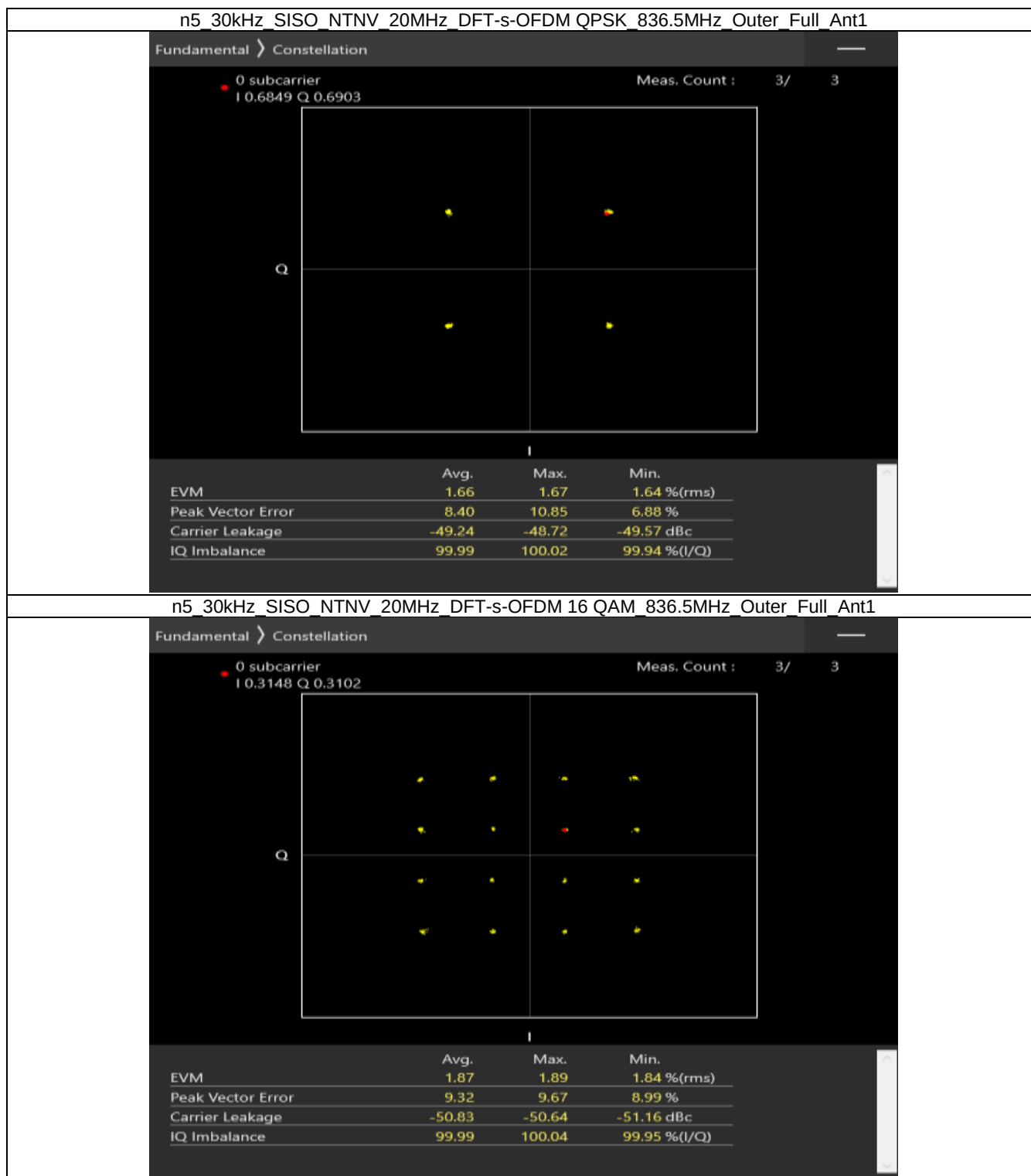
0 subcarrier
I 0.5467 Q 0.3854

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	1.72	1.73	1.71 %(rms)
Peak Vector Error	6.12	6.90	5.33 %
Carrier Leakage	-42.91	-42.17	-43.34 dBc
IQ Imbalance	99.95	99.96	99.94 %(I/Q)

3.2.2 30k_SISO_20MHz_NTNV



n5 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.4632 Q 0.4438

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	1.90	1.94	1.86 %(rms)
Peak Vector Error	8.19	9.04	7.69 %
Carrier Leakage	-46.51	-45.84	-47.15 dBc
IQ Imbalance	100.04	100.07	100.01 %(I/Q)

n5 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

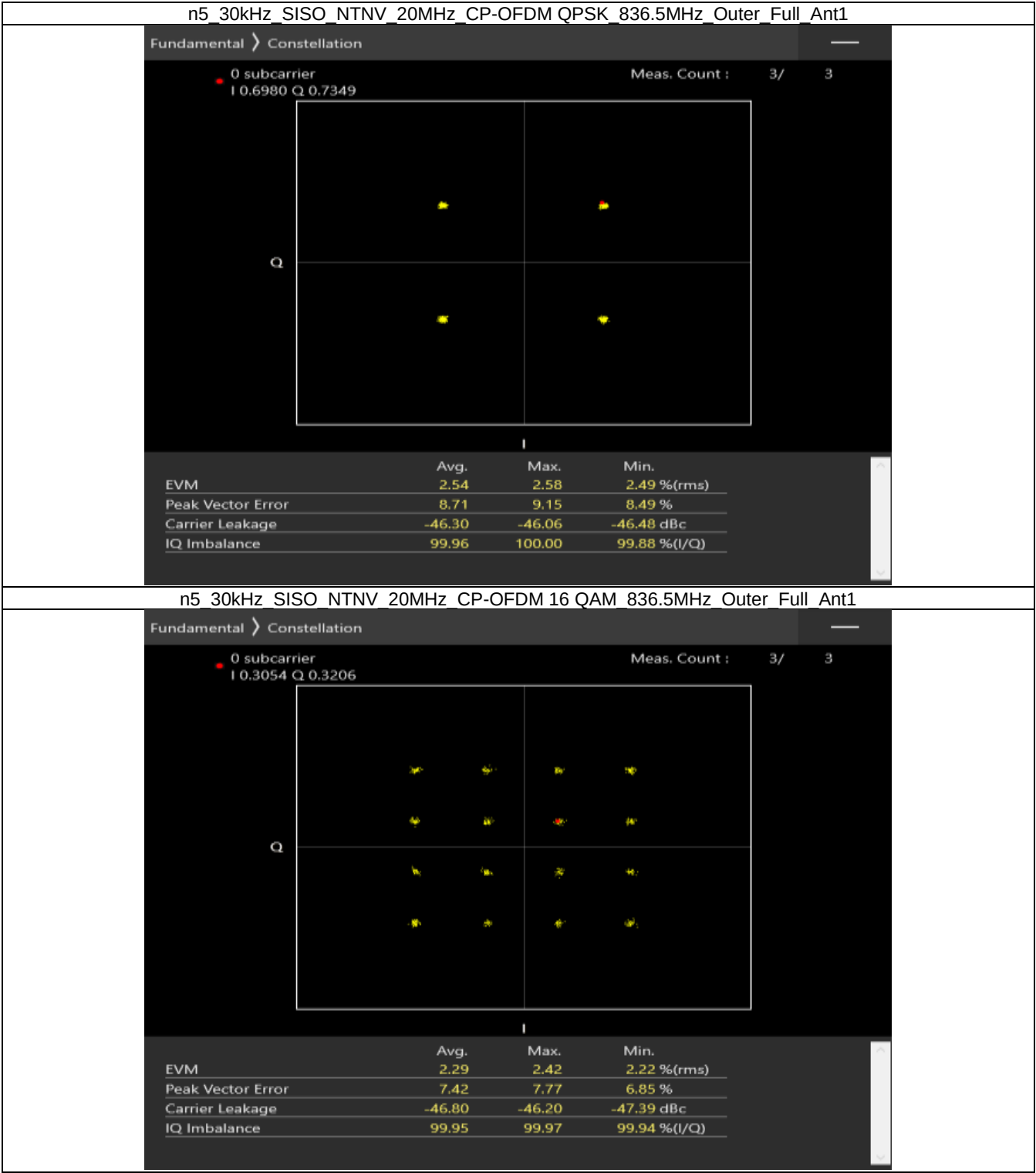
0 subcarrier
I 0.5498 Q 0.5309

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	1.72	1.73	1.70 %(rms)
Peak Vector Error	10.04	10.48	9.72 %
Carrier Leakage	-49.22	-48.56	-49.93 dBc
IQ Imbalance	100.03	100.05	100.00 %(I/Q)



n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1

Fundamental > Constellation

0 subcarrier
I 0.1560 Q 0.4595

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	2.14	2.17	2.08 %(rms)
Peak Vector Error	6.53	6.90	6.01 %
Carrier Leakage	-47.42	-46.95	-47.99 dBc
IQ Imbalance	100.04	100.07	100.01 %(I/Q)

n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1

Fundamental > Constellation

0 subcarrier
I 0.5459 Q 0.5377

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	1.70	1.74	1.67 %(rms)
Peak Vector Error	5.65	5.99	5.38 %
Carrier Leakage	-38.36	-38.04	-38.67 dBc
IQ Imbalance	100.00	100.00	99.99 %(I/Q)

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	826.5	Outer_Full	4.57	5.07	/	Pass
	836.5	Outer_Full	4.60	5.07	/	Pass
	846.5	Outer_Full	4.56	5.04	/	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	4.56	5.05	/	Pass
	836.5	Outer_Full	4.57	5.07	/	Pass
	846.5	Outer_Full	4.55	5.04	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.58	5.07	/	Pass
	836.5	Outer_Full	4.59	5.06	/	Pass
	846.5	Outer_Full	4.56	5.04	/	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	4.56	5.04	/	Pass
	836.5	Outer_Full	4.55	5.04	/	Pass
	846.5	Outer_Full	4.54	5.03	/	Pass
CP-OFDM QPSK	826.5	Outer_Full	4.55	5.05	/	Pass
	836.5	Outer_Full	4.56	5.06	/	Pass
	846.5	Outer_Full	4.53	5.04	/	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	4.56	5.04	/	Pass
	836.5	Outer_Full	4.55	5.03	/	Pass
	846.5	Outer_Full	4.54	5.03	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.53	5.05	/	Pass
	836.5	Outer_Full	4.59	5.07	/	Pass
	846.5	Outer_Full	4.53	5.02	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.53	5.07	/	Pass
	836.5	Outer_Full	4.55	5.05	/	Pass
	846.5	Outer_Full	4.52	5.03	/	Pass

4.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	829	Outer_Full	9.08	9.91	/	Pass
	836.5	Outer_Full	9.07	9.90	/	Pass
	844	Outer_Full	9.05	9.82	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.06	9.93	/	Pass
	836.5	Outer_Full	9.05	9.89	/	Pass
	844	Outer_Full	9.02	9.91	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	9.10	9.95	/	Pass
	836.5	Outer_Full	9.08	9.93	/	Pass
	844	Outer_Full	9.07	9.92	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.06	9.94	/	Pass
	836.5	Outer_Full	9.06	9.99	/	Pass
	844	Outer_Full	9.02	9.93	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.39	10.21	/	Pass
	836.5	Outer_Full	9.40	10.18	/	Pass

	844	Outer_Full	9.35	10.14	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	9.40	10.18	/	Pass
	836.5	Outer_Full	9.40	10.16	/	Pass
	844	Outer_Full	9.38	10.16	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	9.43	10.15	/	Pass
	836.5	Outer_Full	9.42	10.13	/	Pass
	844	Outer_Full	9.38	10.13	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	9.40	10.17	/	Pass
	836.5	Outer_Full	9.39	10.12	/	Pass
	844	Outer_Full	9.37	10.07	/	Pass

4.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	831.5	Outer_Full	13.62	14.82	/	Pass
	836.5	Outer_Full	13.63	14.82	/	Pass
	841.5	Outer_Full	13.62	14.84	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.65	15.04	/	Pass
	836.5	Outer_Full	13.68	14.95	/	Pass
	841.5	Outer_Full	13.62	14.89	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.63	14.84	/	Pass
	836.5	Outer_Full	13.61	14.88	/	Pass
	841.5	Outer_Full	13.61	14.80	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.64	14.85	/	Pass
	836.5	Outer_Full	13.66	14.91	/	Pass
	841.5	Outer_Full	13.64	14.96	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	14.29	15.42	/	Pass
	836.5	Outer_Full	14.27	15.46	/	Pass
	841.5	Outer_Full	14.24	15.39	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.33	15.50	/	Pass
	836.5	Outer_Full	14.32	15.40	/	Pass
	841.5	Outer_Full	14.30	15.36	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.31	15.47	/	Pass
	836.5	Outer_Full	14.30	15.43	/	Pass
	841.5	Outer_Full	14.28	15.49	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	14.31	15.39	/	Pass
	836.5	Outer_Full	14.30	15.38	/	Pass
	841.5	Outer_Full	14.29	15.43	/	Pass

4.1.4 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	834	Outer_Full	18.11	19.56	/	Pass
	836.5	Outer_Full	18.13	19.61	/	Pass
	839	Outer_Full	18.13	19.60	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.13	19.53	/	Pass
	836.5	Outer_Full	18.12	19.61	/	Pass
	839	Outer_Full	18.14	19.64	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.17	19.56	/	Pass
	836.5	Outer_Full	18.17	19.58	/	Pass
	839	Outer_Full	18.19	19.61	/	Pass

DFT-s-OFDM 256 QAM	834	Outer_Full	18.10	19.65	/	Pass
	836.5	Outer_Full	18.12	19.52	/	Pass
	839	Outer_Full	18.11	19.64	/	Pass
CP-OFDM QPSK	834	Outer_Full	19.17	20.62	/	Pass
	836.5	Outer_Full	19.17	20.48	/	Pass
	839	Outer_Full	19.11	20.51	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	19.15	20.53	/	Pass
	836.5	Outer_Full	19.16	20.53	/	Pass
	839	Outer_Full	19.09	20.50	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	19.16	20.52	/	Pass
	836.5	Outer_Full	19.20	20.51	/	Pass
	839	Outer_Full	19.16	20.47	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	19.11	20.50	/	Pass
	836.5	Outer_Full	19.13	20.55	/	Pass
	839	Outer_Full	19.07	20.44	/	Pass

4.1.5 30k_SISO_10MHz_NTNV

5G NR n5 SCS=30kHz SISO 10MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	829	Outer_Full	8.77	9.93	/	Pass
	836.5	Outer_Full	8.82	9.99	/	Pass
	844	Outer_Full	8.73	9.92	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	8.79	9.97	/	Pass
	836.5	Outer_Full	8.74	9.96	/	Pass
	844	Outer_Full	8.74	9.93	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	8.76	9.96	/	Pass
	836.5	Outer_Full	8.78	9.93	/	Pass
	844	Outer_Full	8.75	9.96	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	8.69	9.87	/	Pass
	836.5	Outer_Full	8.75	9.92	/	Pass
	844	Outer_Full	8.69	9.95	/	Pass
CP-OFDM QPSK	829	Outer_Full	8.82	9.96	/	Pass
	836.5	Outer_Full	8.78	10.00	/	Pass
	844	Outer_Full	8.82	9.98	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	8.81	9.99	/	Pass
	836.5	Outer_Full	8.74	9.94	/	Pass
	844	Outer_Full	8.78	9.93	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	8.79	9.87	/	Pass
	836.5	Outer_Full	8.73	9.96	/	Pass
	844	Outer_Full	8.73	9.98	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	8.79	9.93	/	Pass
	836.5	Outer_Full	8.79	9.92	/	Pass
	844	Outer_Full	8.76	9.86	/	Pass

4.1.6 30k_SISO_15MHz_NTNV

5G NR n5 SCS=30kHz SISO 15MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	831.5	Outer_Full	13.16	14.91	/	Pass
	836.5	Outer_Full	13.28	14.95	/	Pass
	841.5	Outer_Full	13.12	14.79	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.10	14.77	/	Pass

	836.5	Outer_Full	13.13	14.87	/	Pass
	841.5	Outer_Full	13.11	14.95	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.19	14.78	/	Pass
	836.5	Outer_Full	13.18	14.84	/	Pass
	841.5	Outer_Full	13.25	14.85	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.06	14.75	/	Pass
	836.5	Outer_Full	13.07	14.77	/	Pass
	841.5	Outer_Full	13.08	14.70	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	13.77	15.18	/	Pass
	836.5	Outer_Full	13.81	15.26	/	Pass
	841.5	Outer_Full	13.76	15.25	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	13.83	15.23	/	Pass
	836.5	Outer_Full	13.80	15.18	/	Pass
	841.5	Outer_Full	13.80	15.28	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	13.84	15.32	/	Pass
	836.5	Outer_Full	13.84	15.34	/	Pass
	841.5	Outer_Full	13.86	15.24	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	13.79	15.13	/	Pass
	836.5	Outer_Full	13.81	15.27	/	Pass
	841.5	Outer_Full	13.79	15.12	/	Pass

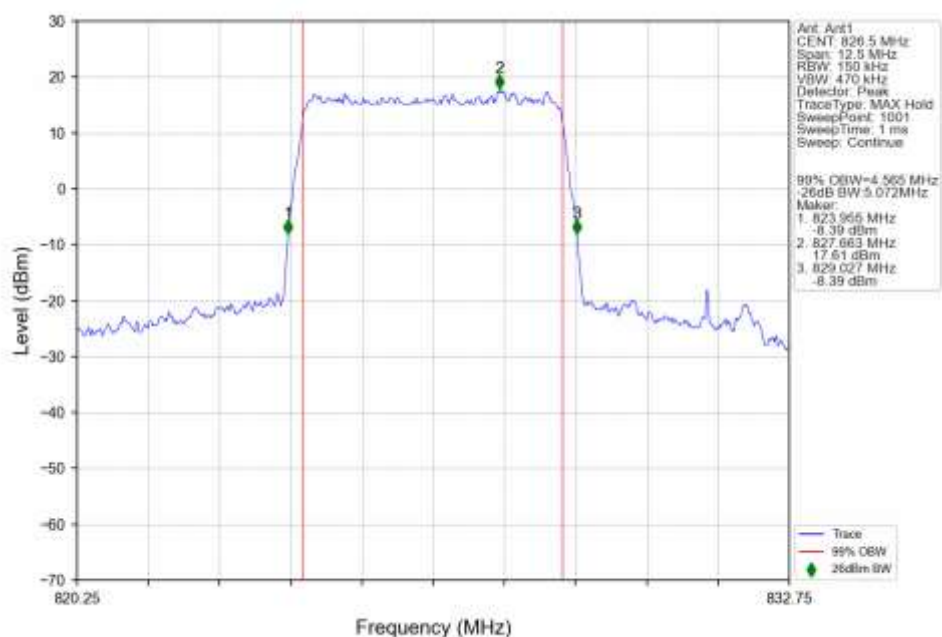
4.1.7 30k_SISO_20MHz_NTNV

5G NR n5 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	834	Outer_Full	18.16	19.82	/	Pass
	836.5	Outer_Full	18.16	19.94	/	Pass
	839	Outer_Full	18.14	19.85	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.17	19.86	/	Pass
	836.5	Outer_Full	18.17	19.92	/	Pass
	839	Outer_Full	18.13	19.86	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.18	19.83	/	Pass
	836.5	Outer_Full	18.20	19.91	/	Pass
	839	Outer_Full	18.19	19.96	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.10	19.83	/	Pass
	836.5	Outer_Full	18.16	20.05	/	Pass
	839	Outer_Full	18.08	19.97	/	Pass
CP-OFDM QPSK	834	Outer_Full	18.44	20.09	/	Pass
	836.5	Outer_Full	18.45	20.18	/	Pass
	839	Outer_Full	18.43	20.19	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	18.53	20.22	/	Pass
	836.5	Outer_Full	18.54	20.21	/	Pass
	839	Outer_Full	18.49	20.18	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	18.53	20.26	/	Pass
	836.5	Outer_Full	18.54	20.23	/	Pass
	839	Outer_Full	18.45	20.19	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	18.48	20.19	/	Pass
	836.5	Outer_Full	18.48	20.14	/	Pass
	839	Outer_Full	18.46	20.21	/	Pass

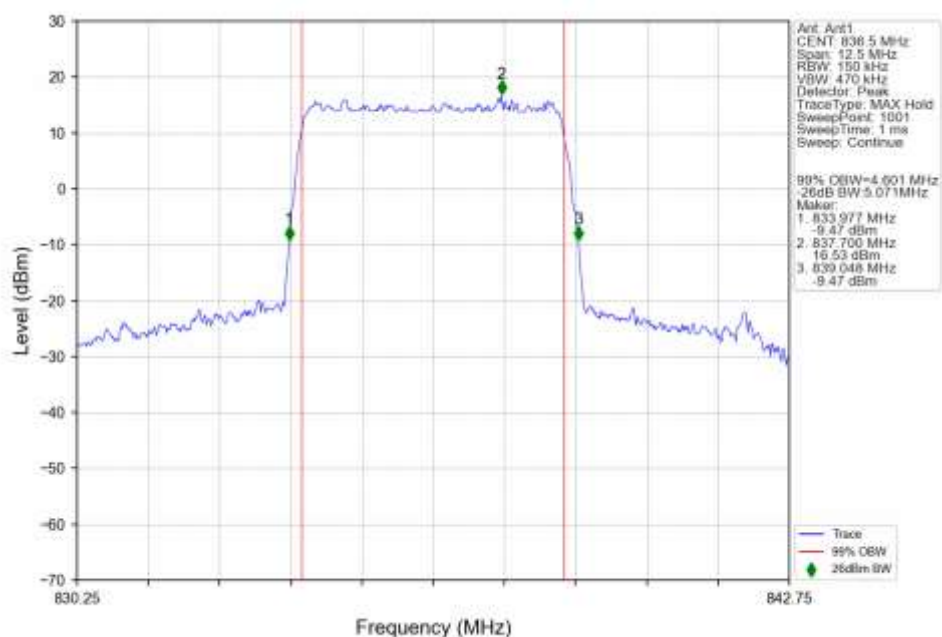
4.2 Test Graph

4.2.1 15k_SISO_5MHz_NTNV

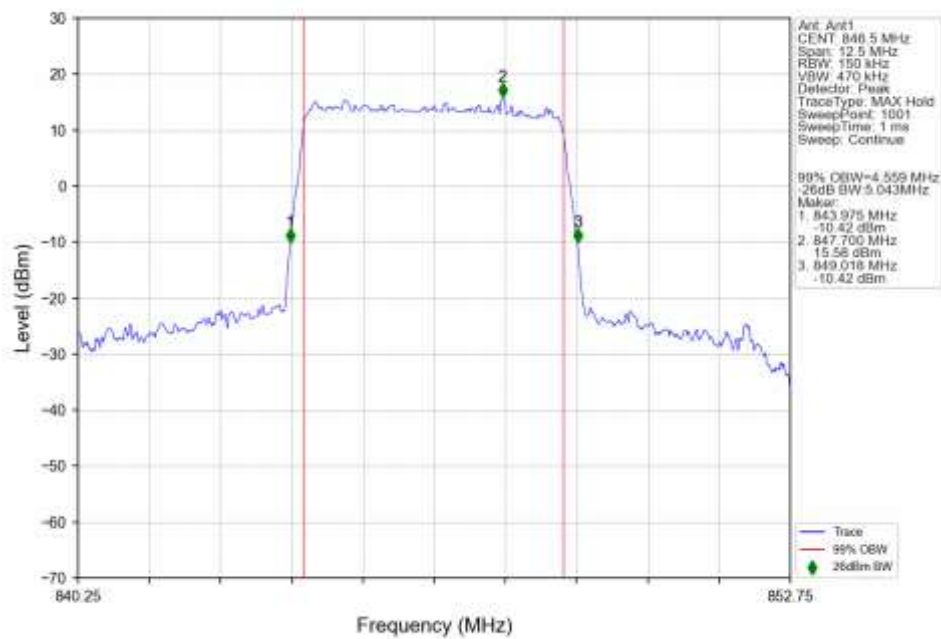
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_826.5MHz_Outer_Full_Ant1



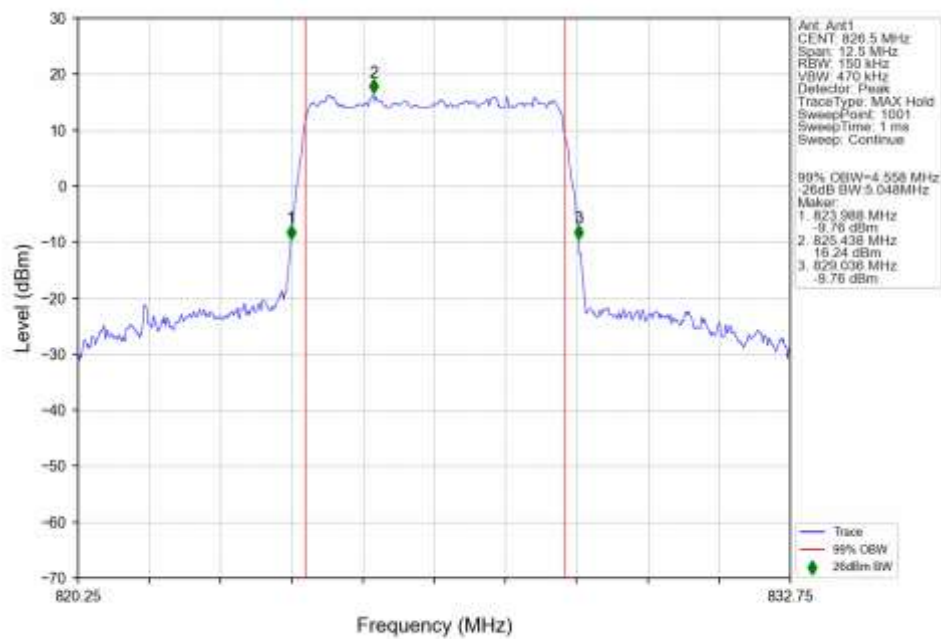
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full_Ant1



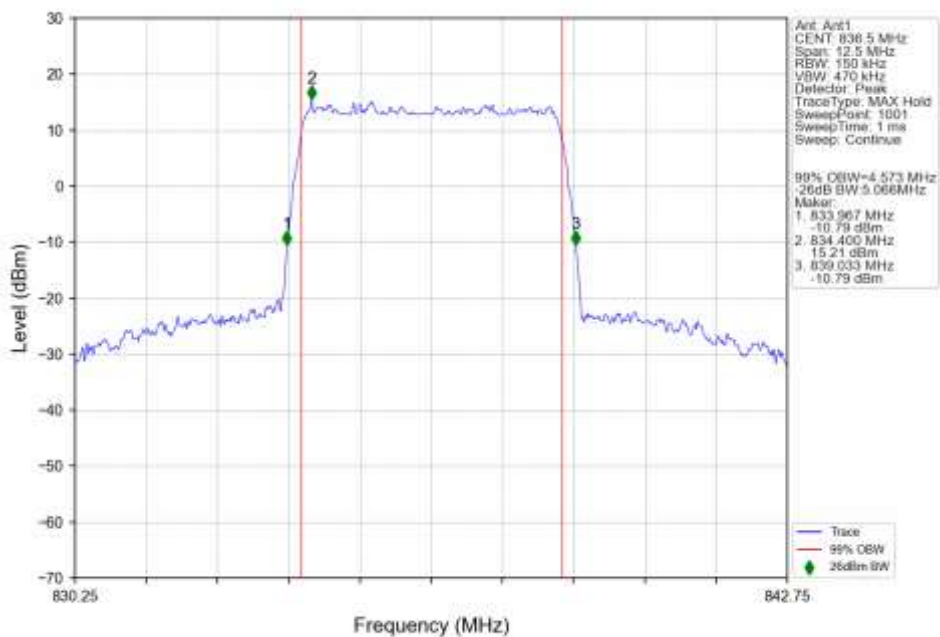
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK 846.5MHz_Outer_Full_Ant1



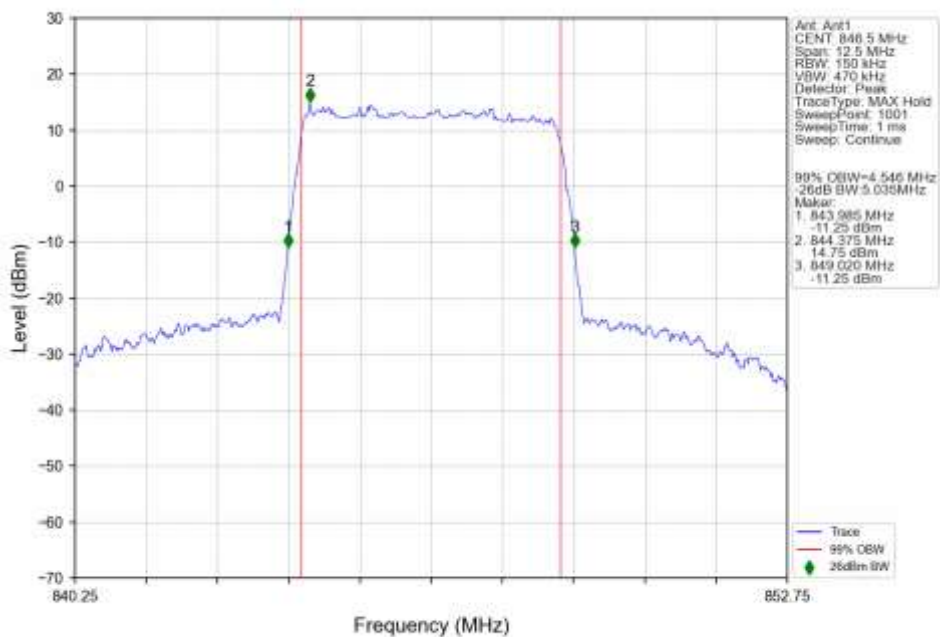
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM 826.5MHz_Outer_Full_Ant1



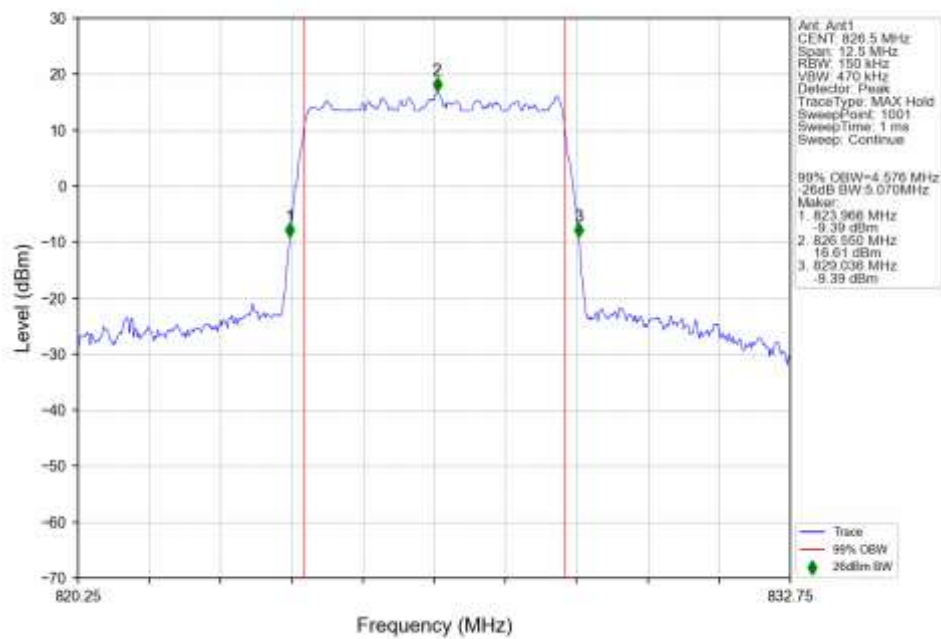
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



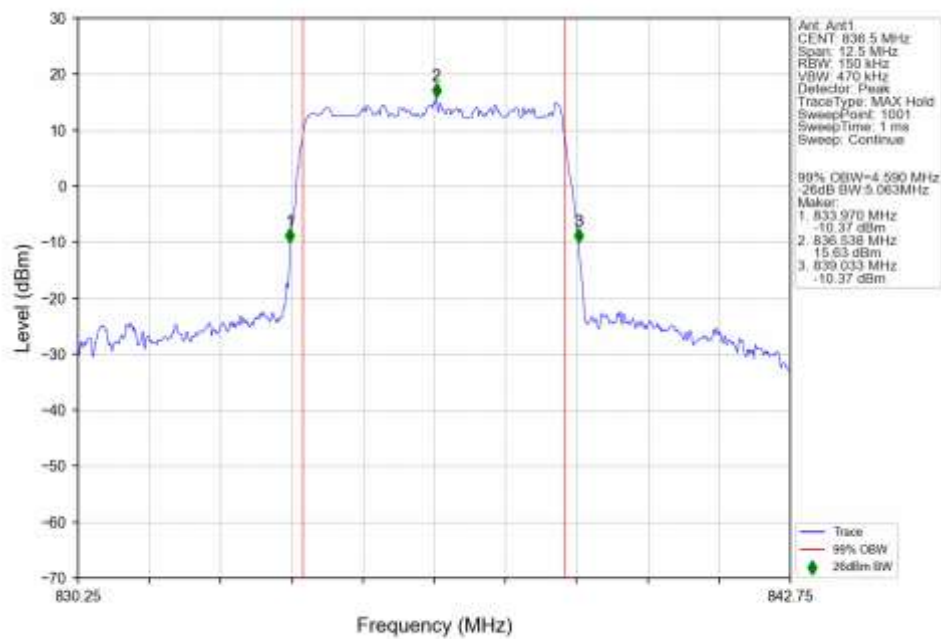
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_846.5MHz_Outer_Full_Ant1



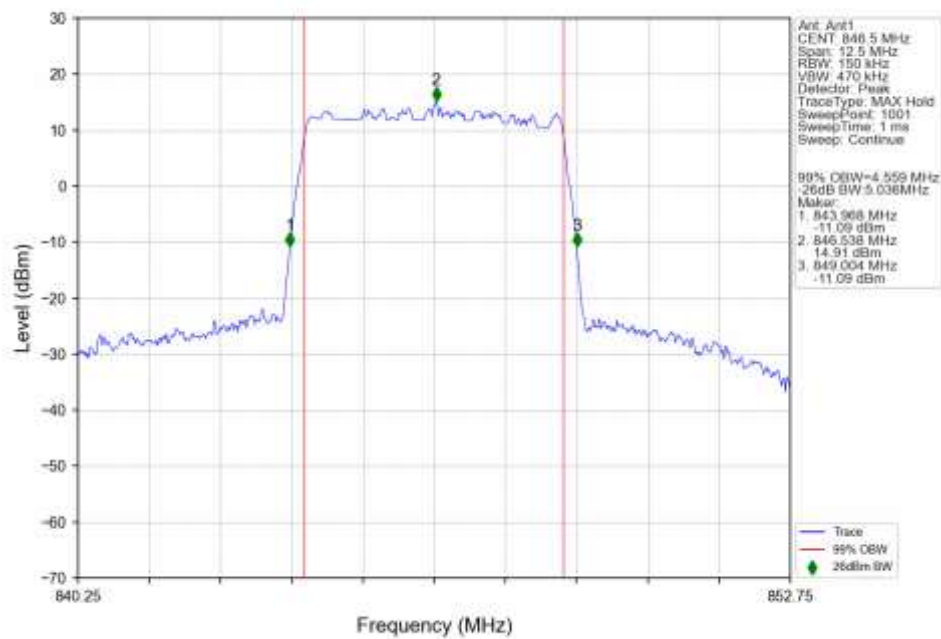
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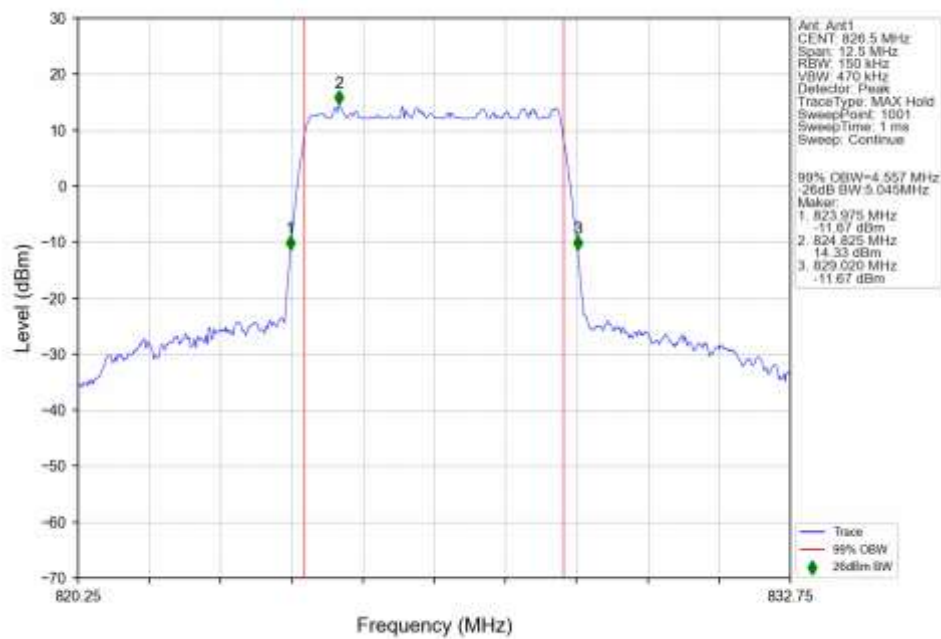
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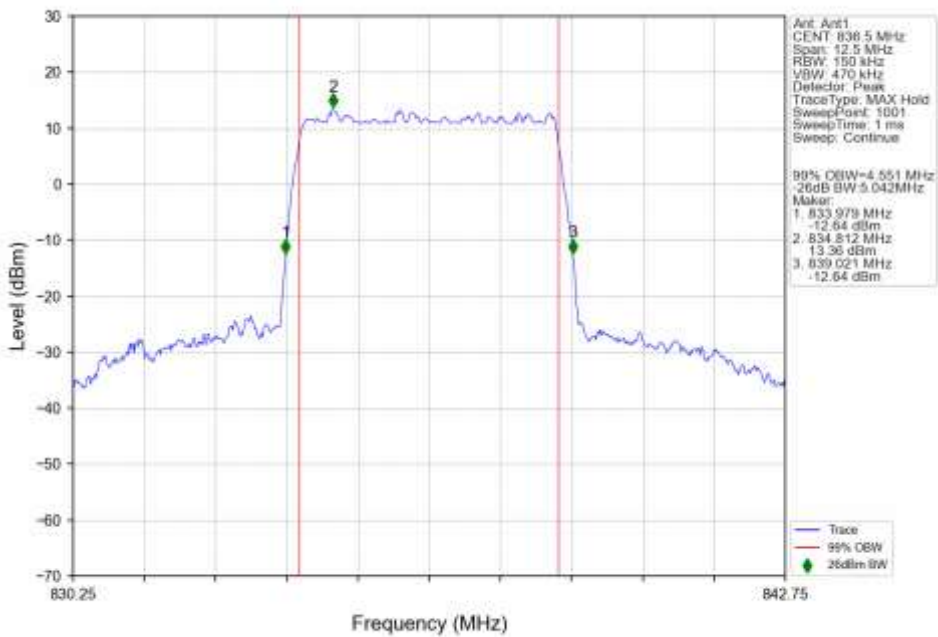
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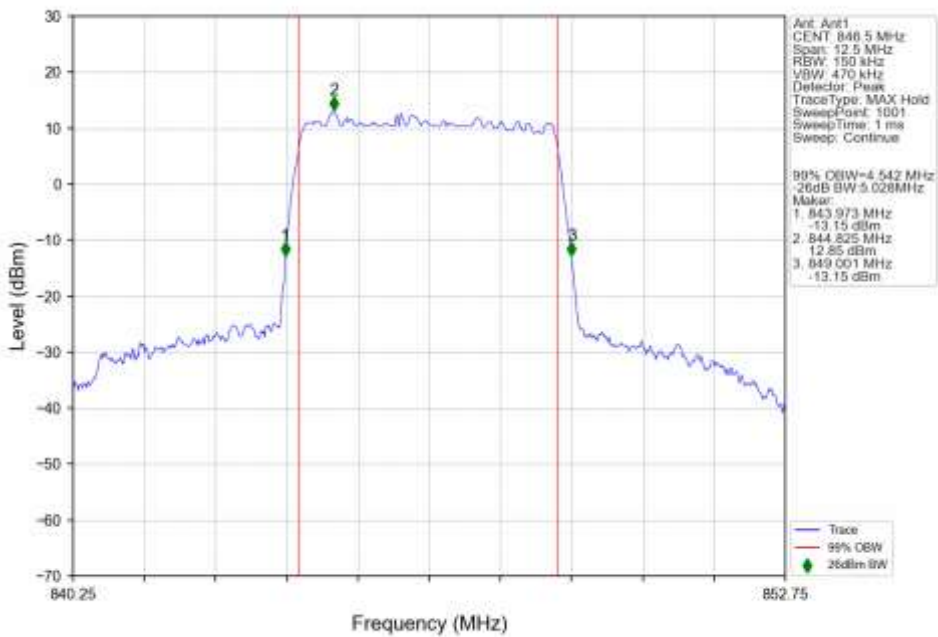
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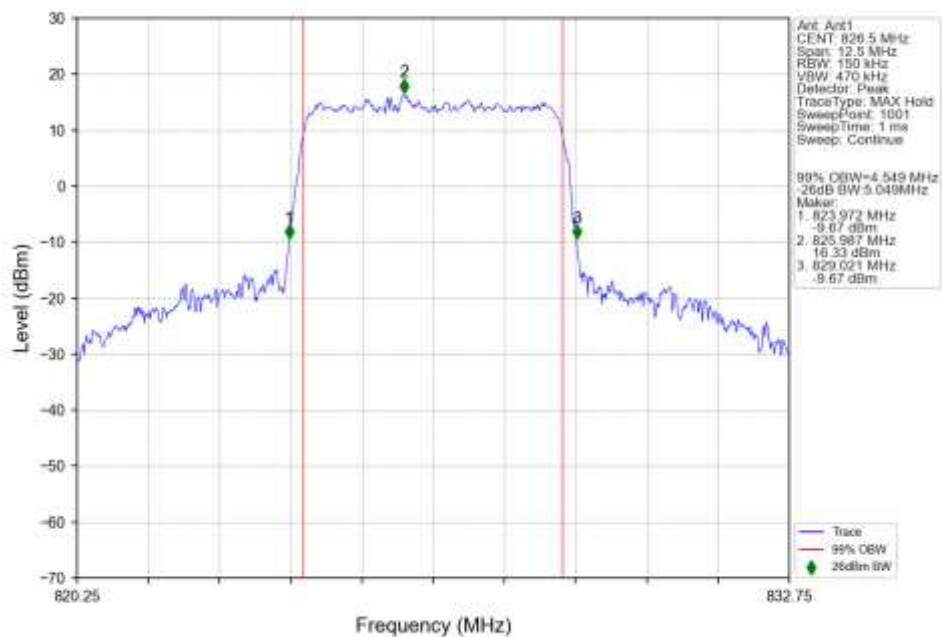
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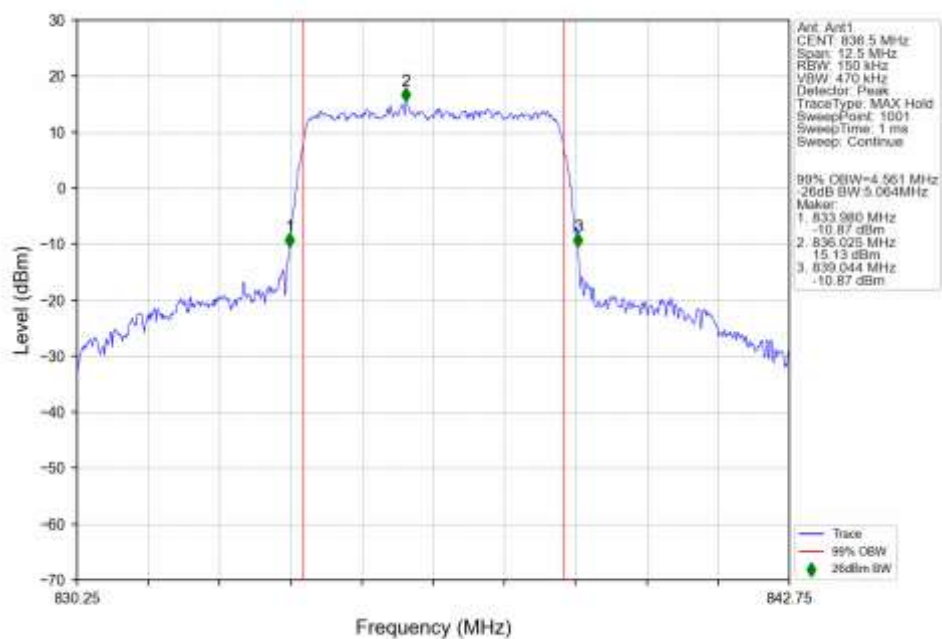
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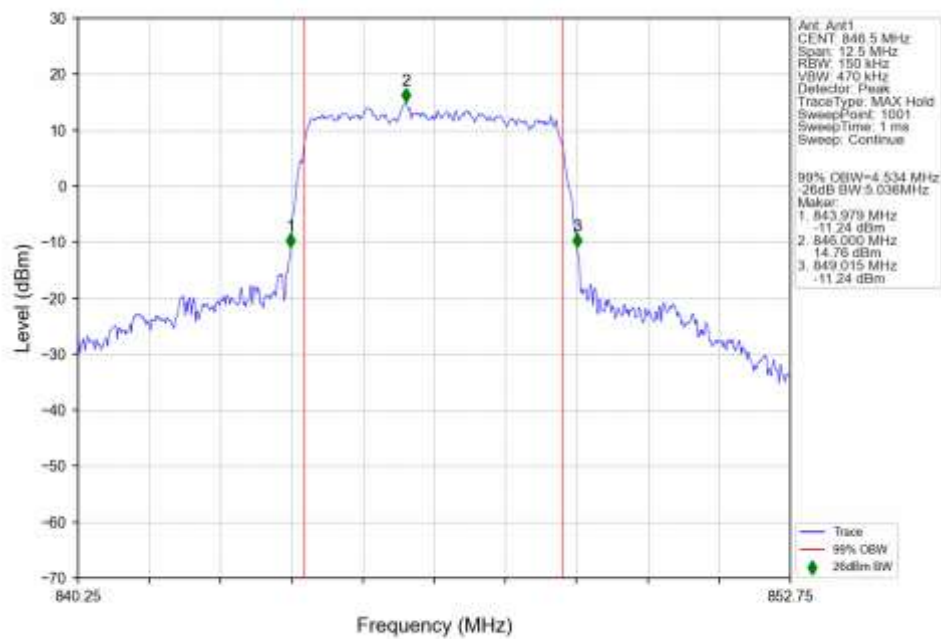
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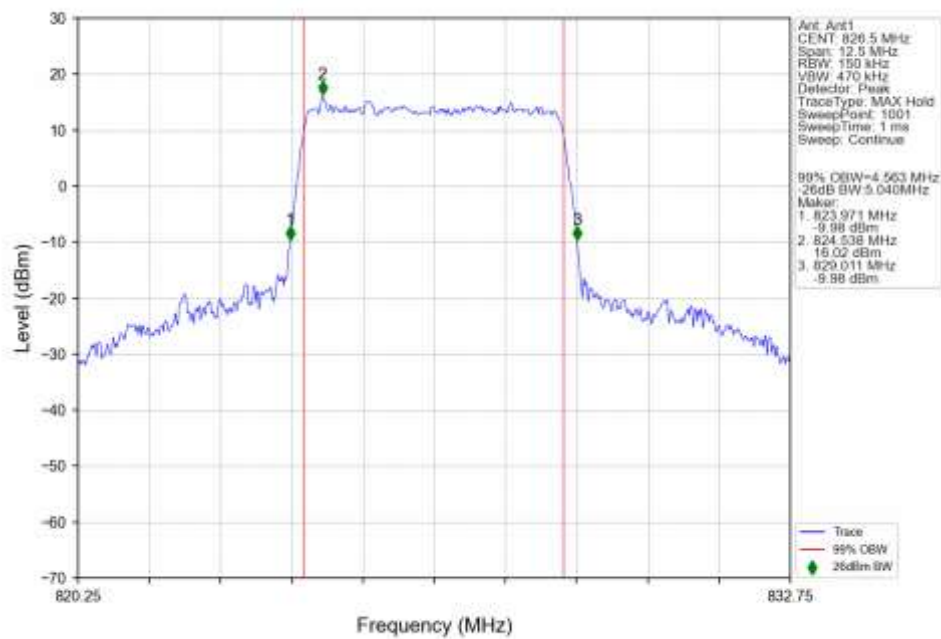
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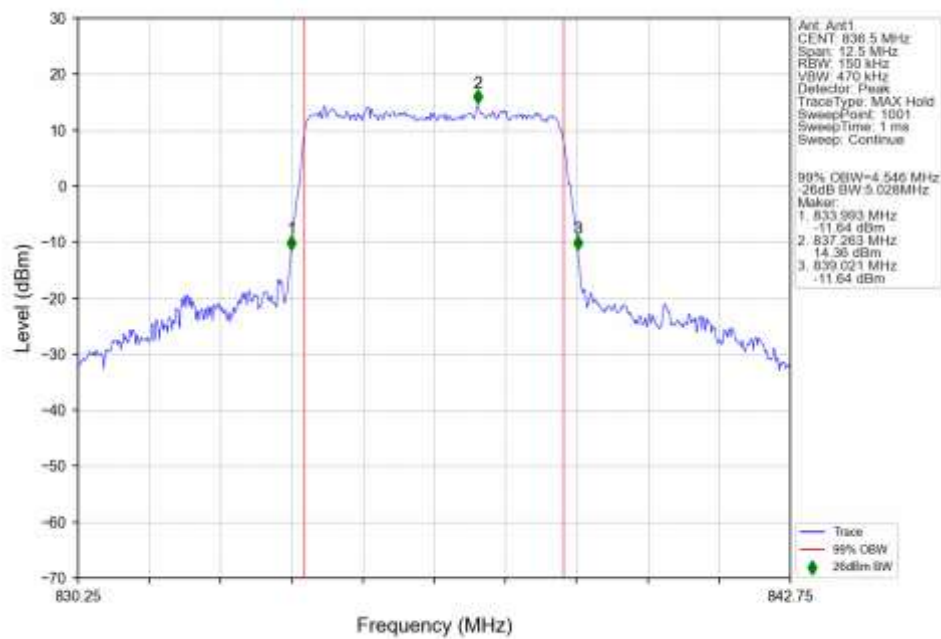
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK 846.5MHz_Outer_Full_Ant1



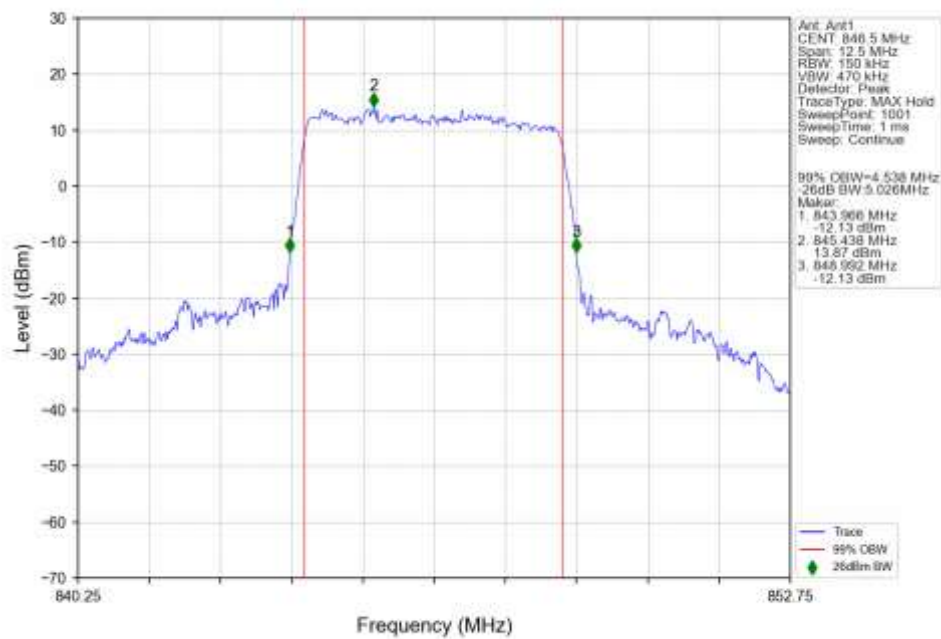
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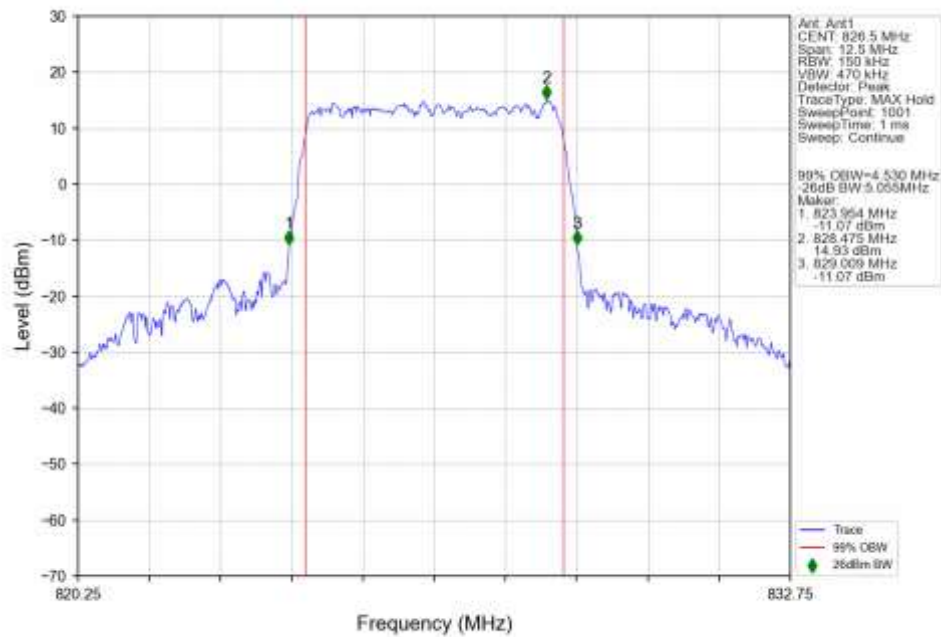
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



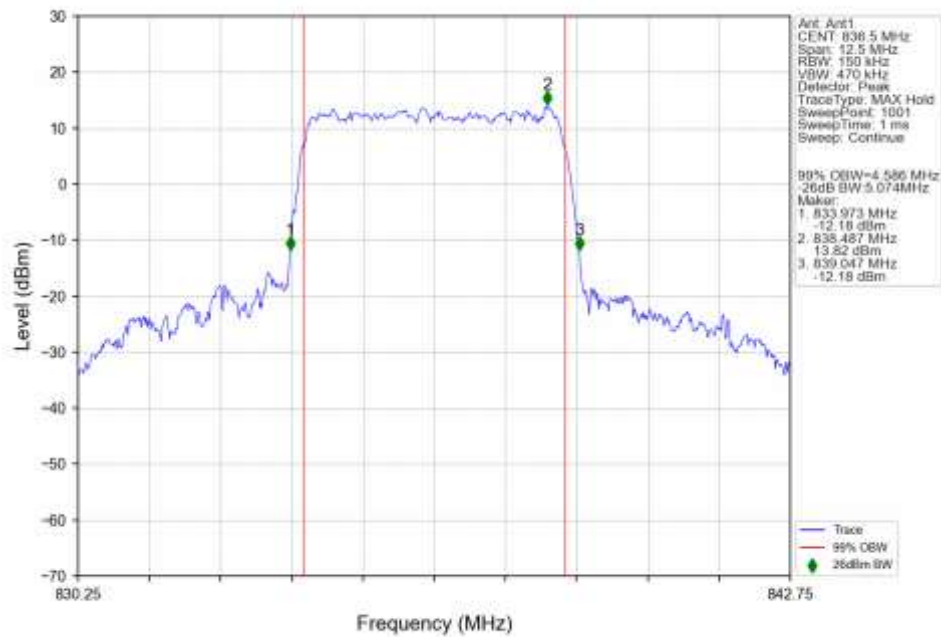
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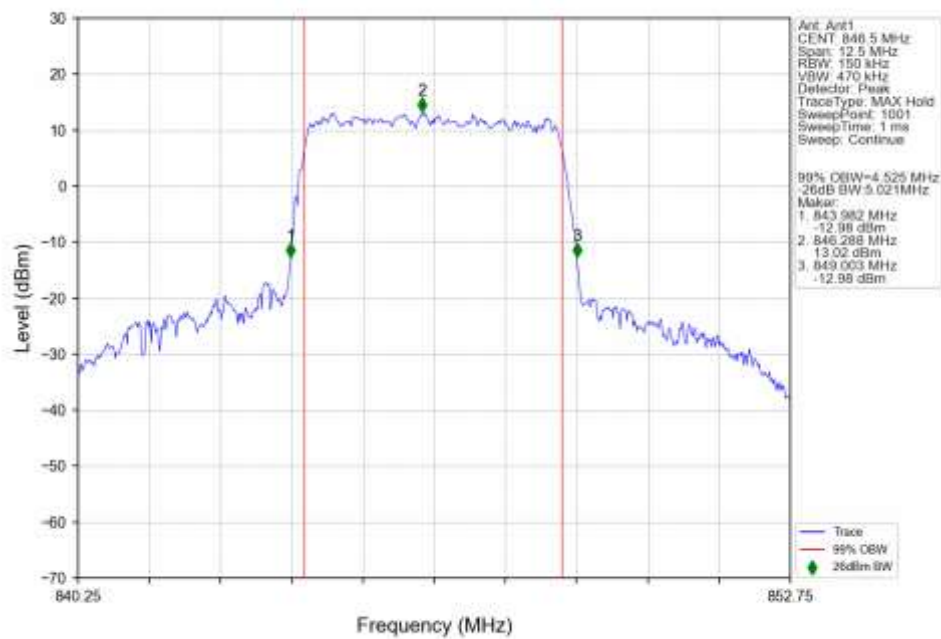
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



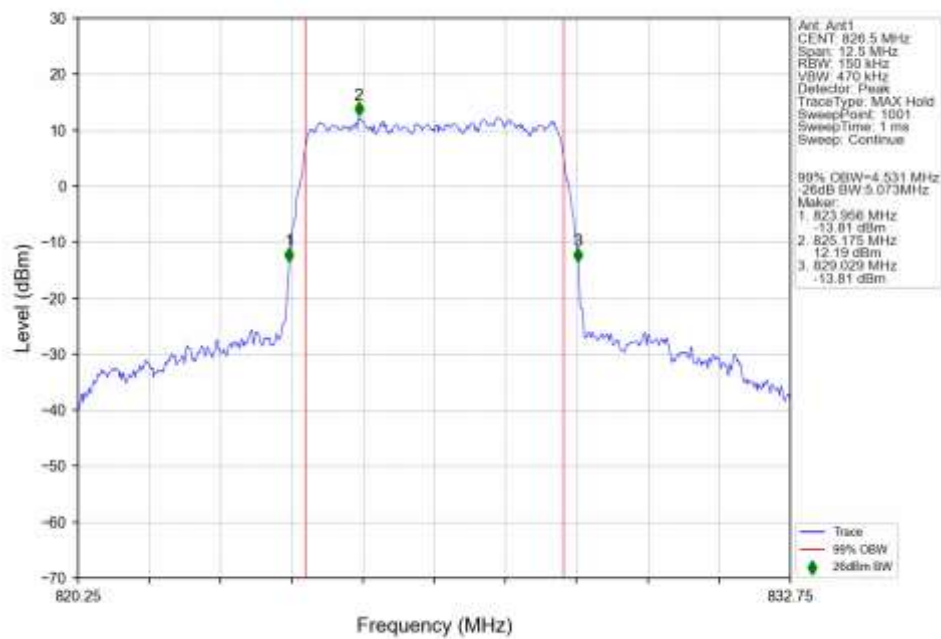
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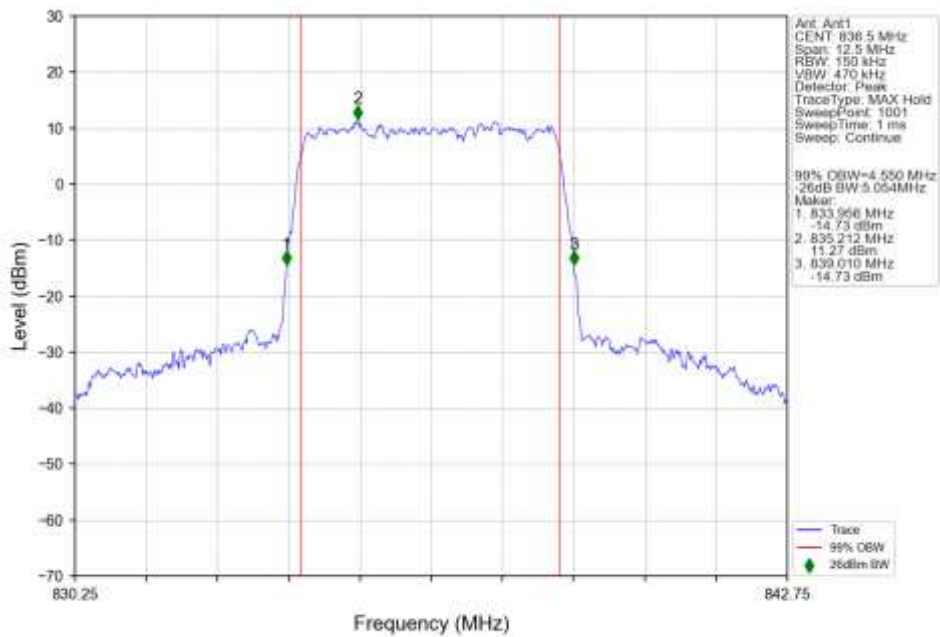
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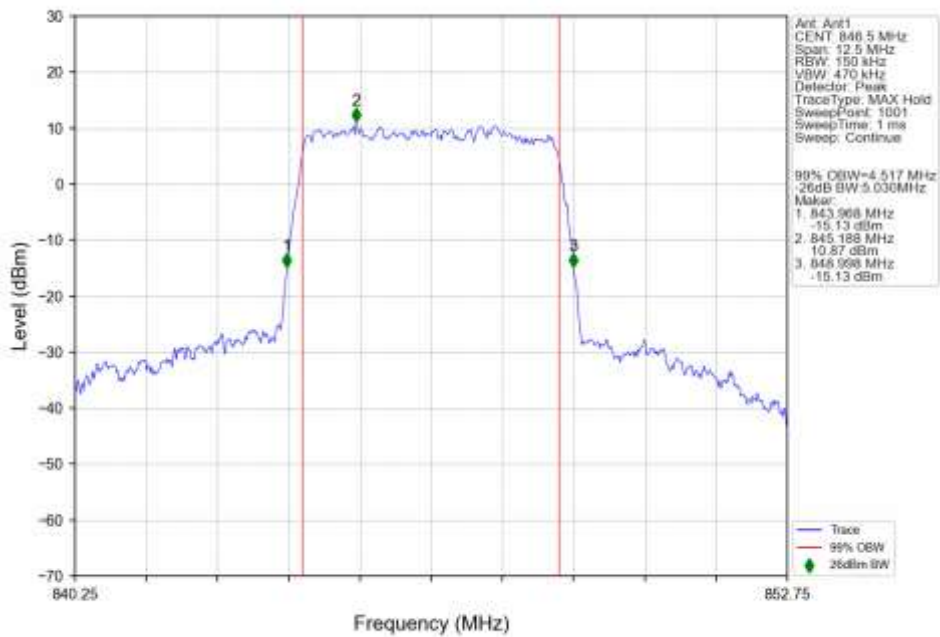
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_826.5MHz_Outer_Full_Ant1



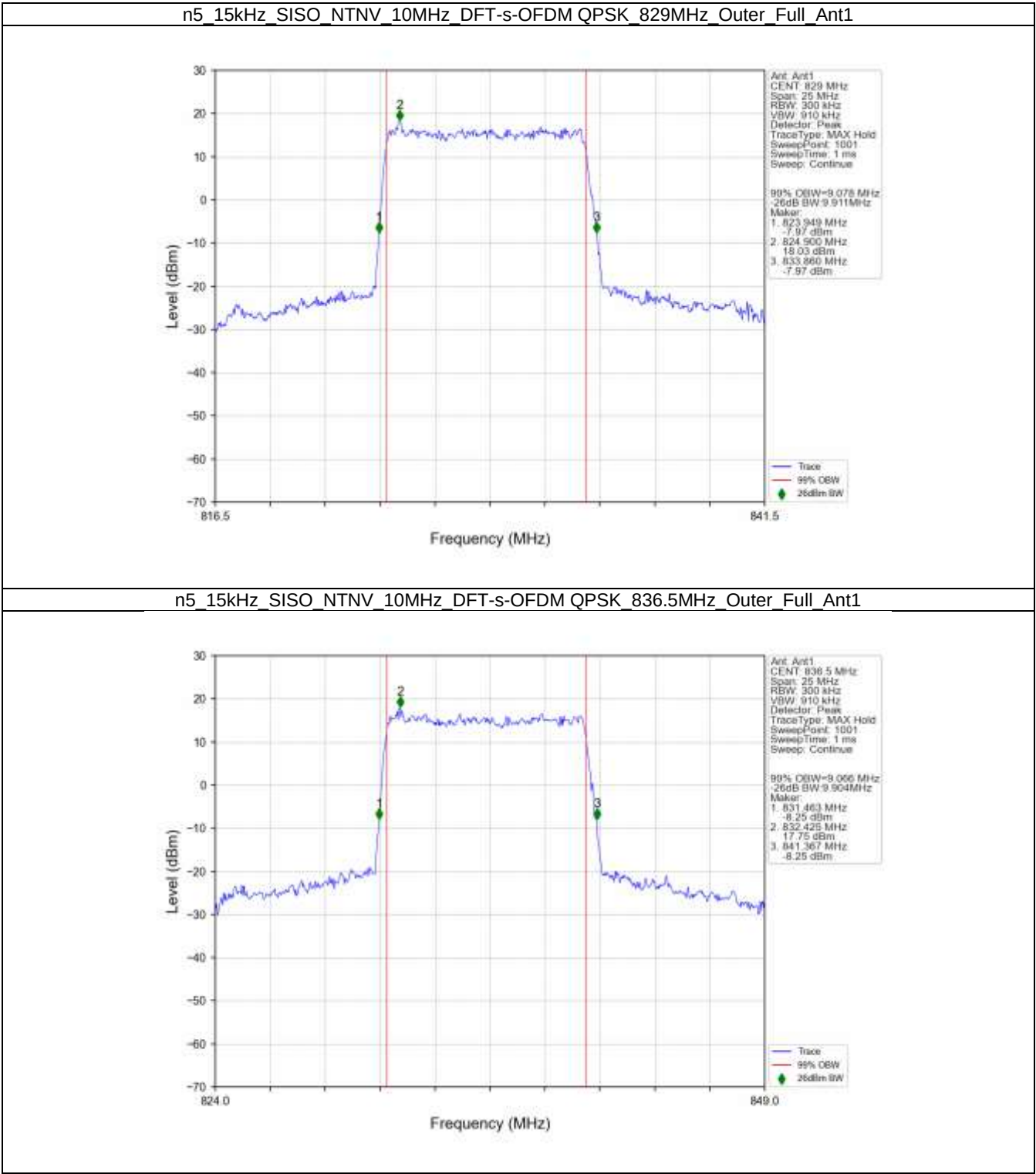
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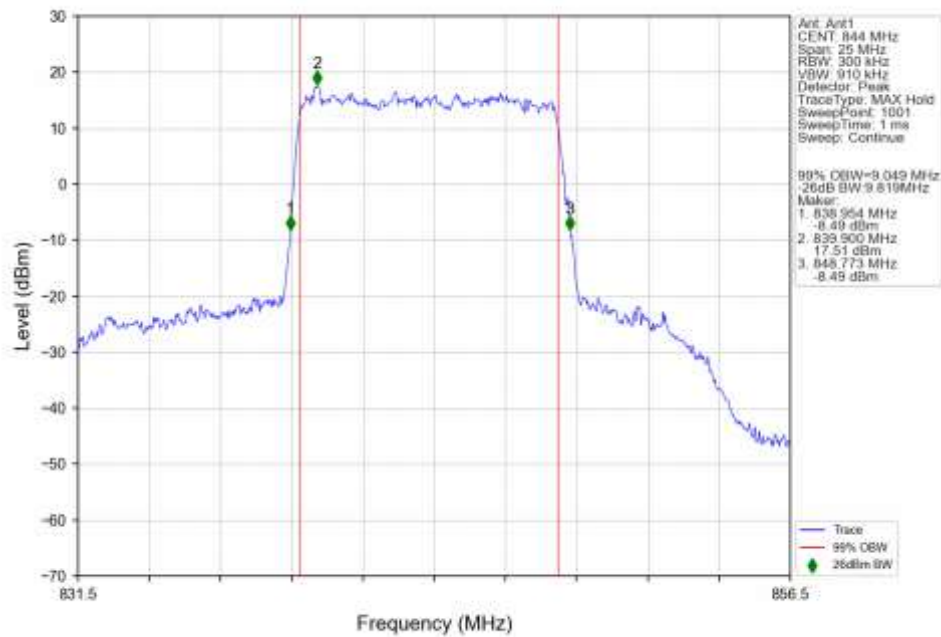
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_846.5MHz_Outer_Full_Ant1



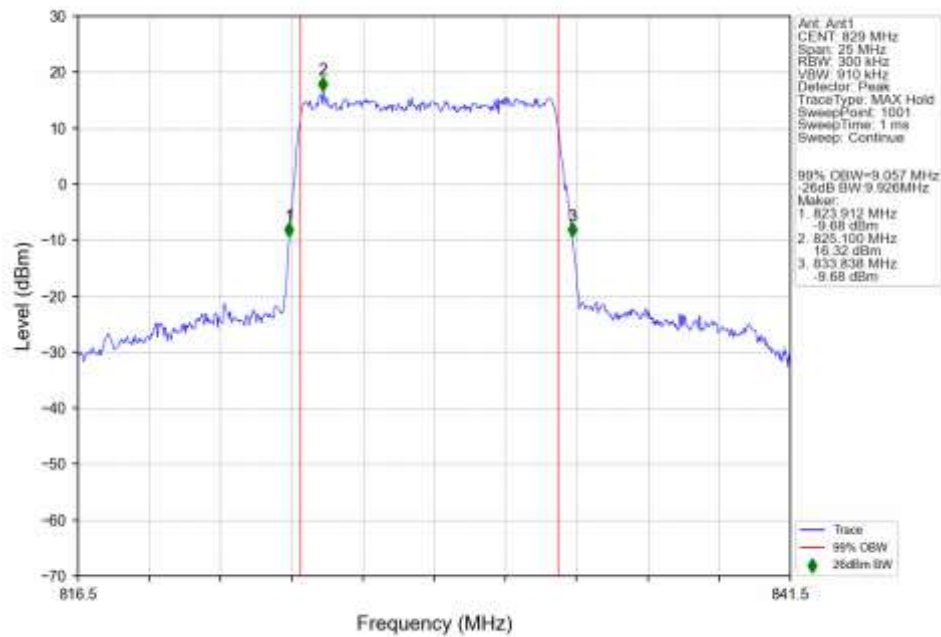
4.2.2 15k_SISO_10MHz_NTNV



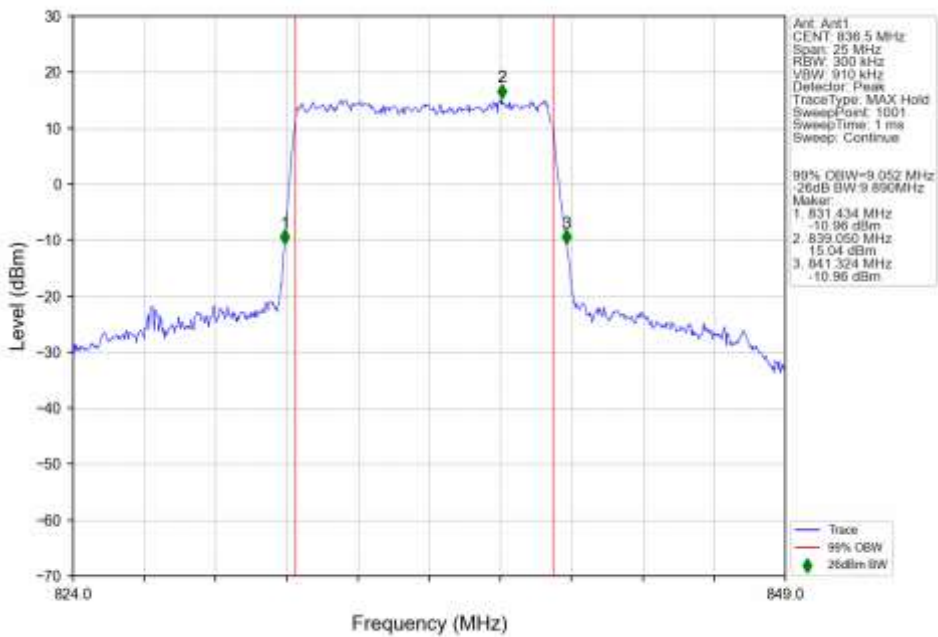
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full_Ant1



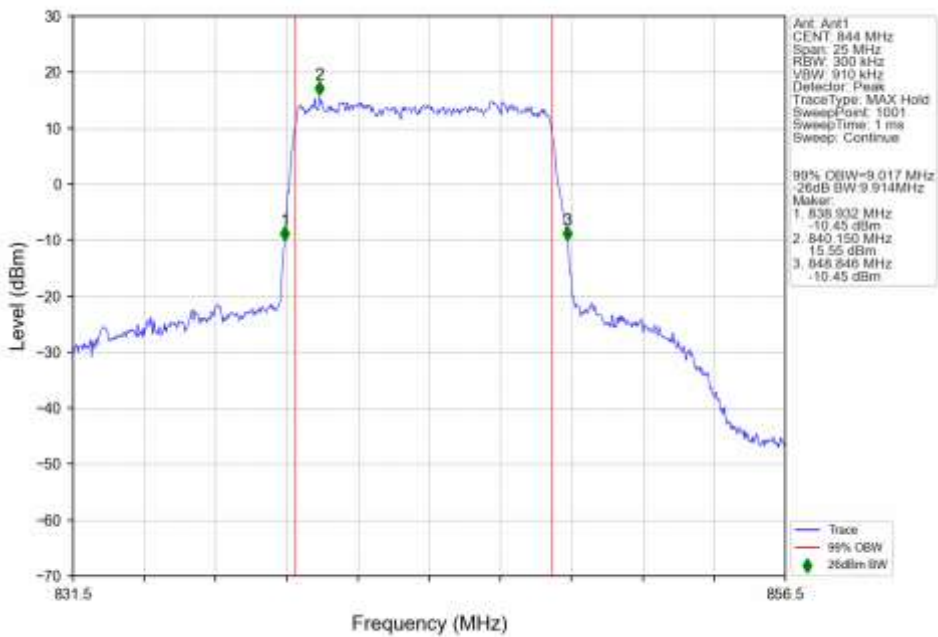
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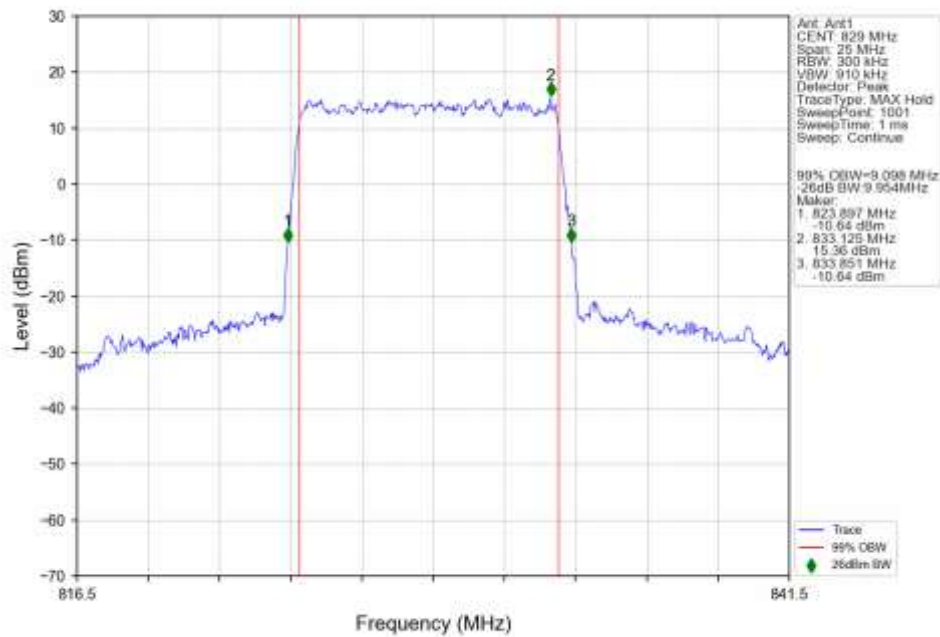
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



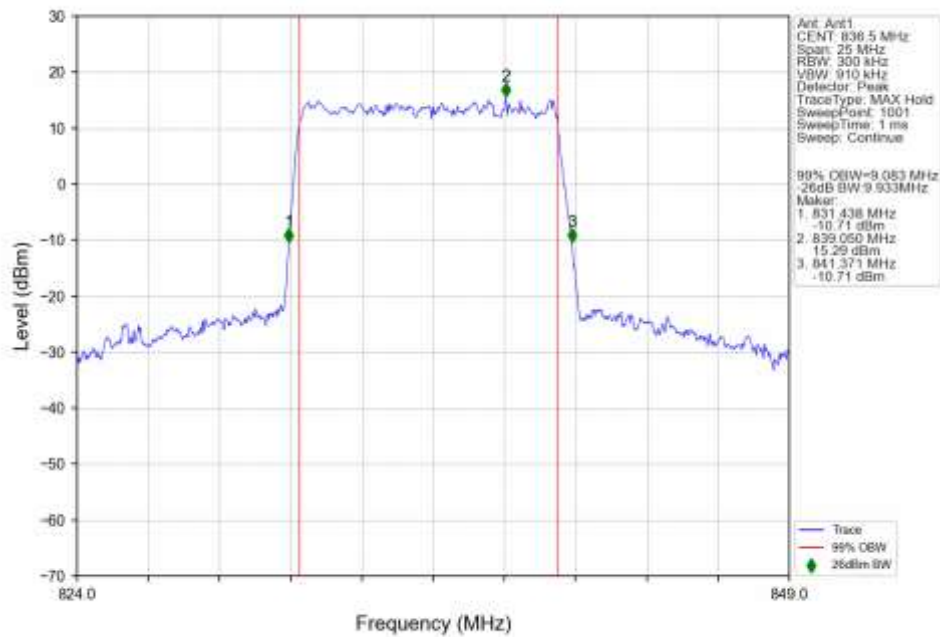
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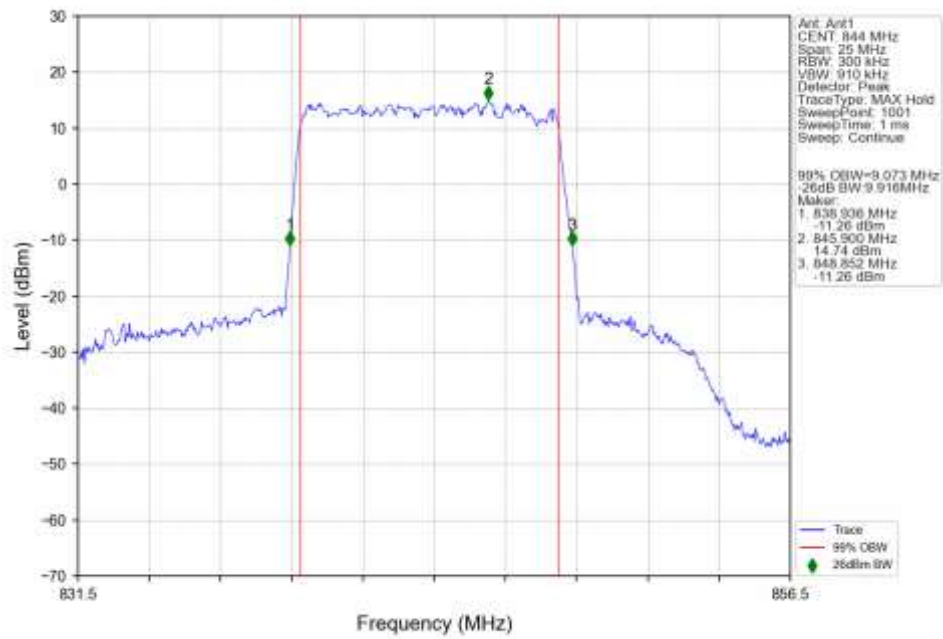
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_829MHz_Outer_Full_Ant1



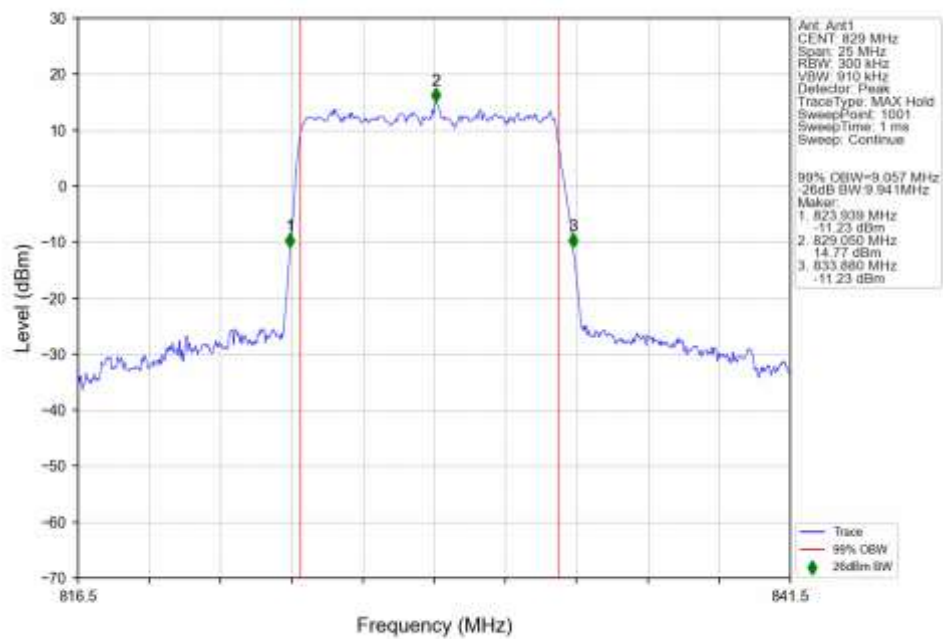
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



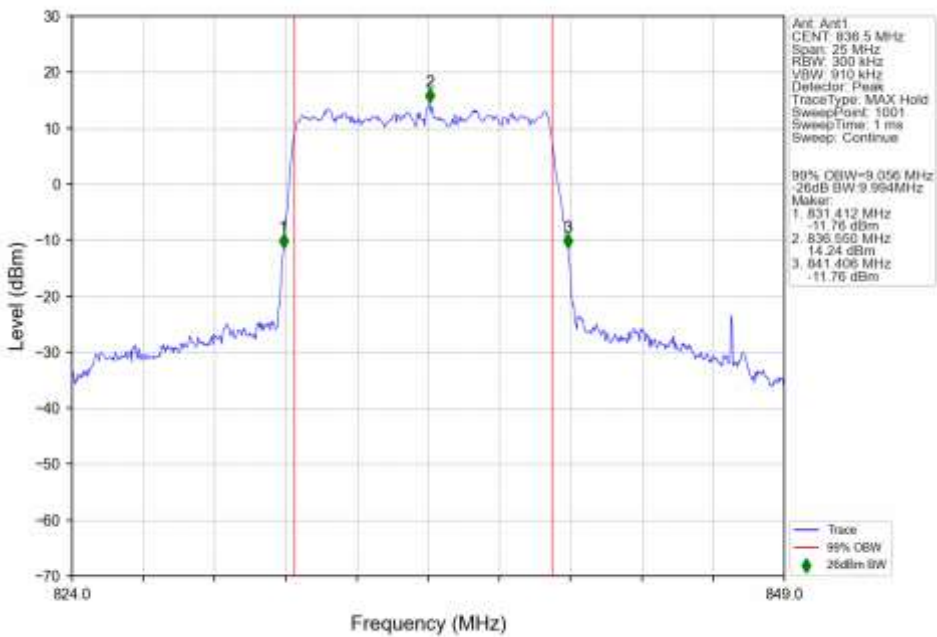
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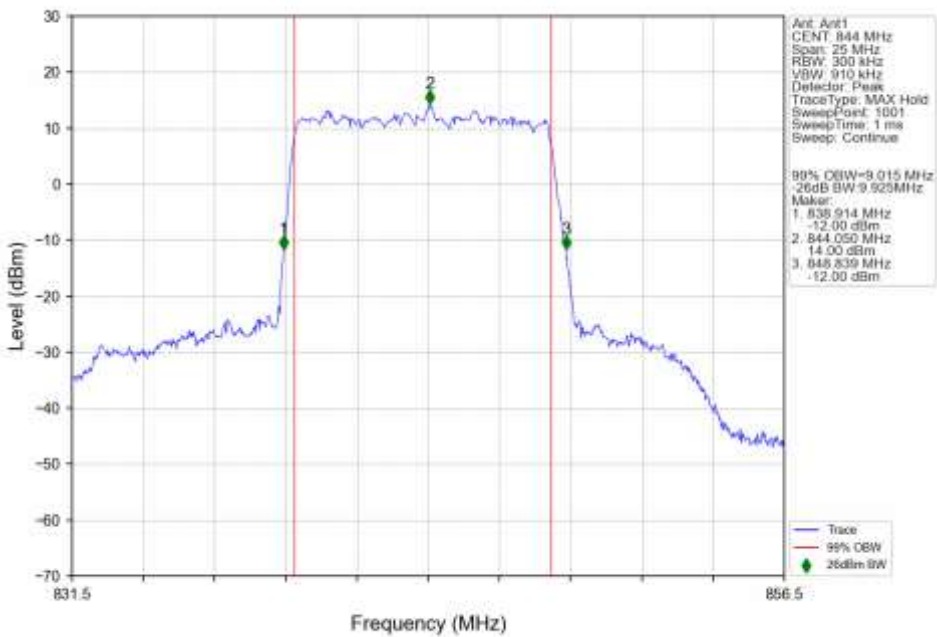
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_829MHz_Outer_Full_Ant1



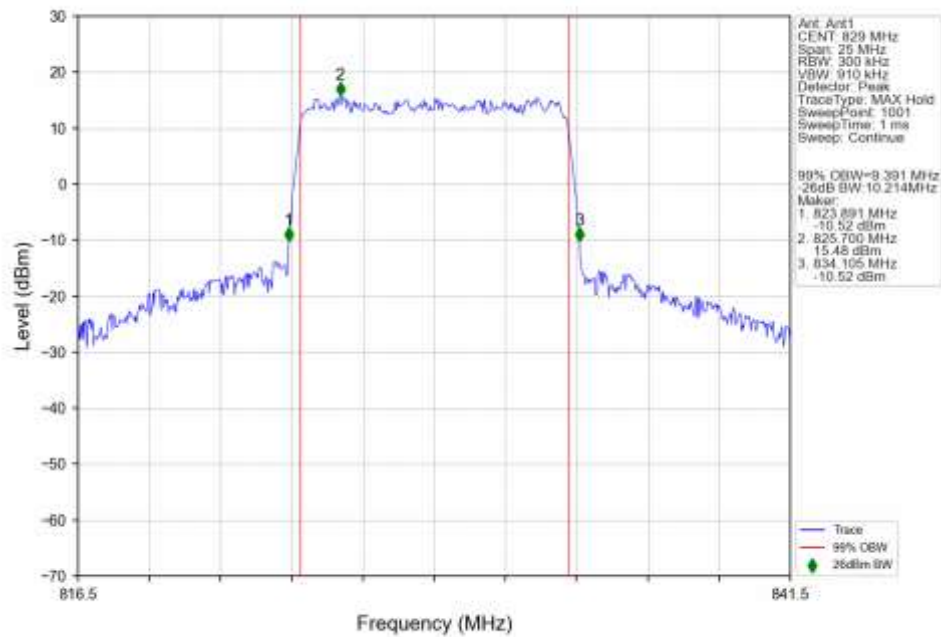
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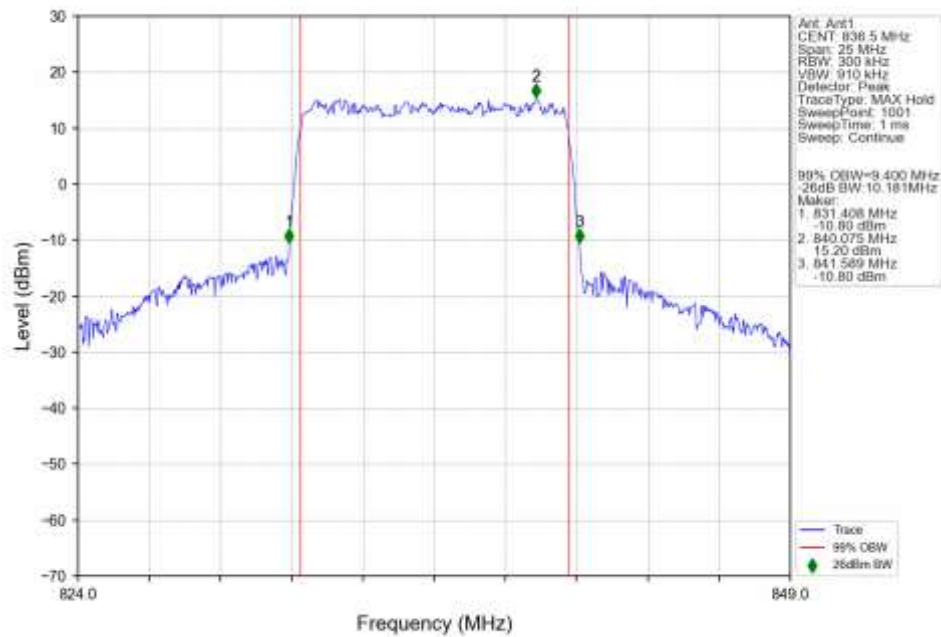
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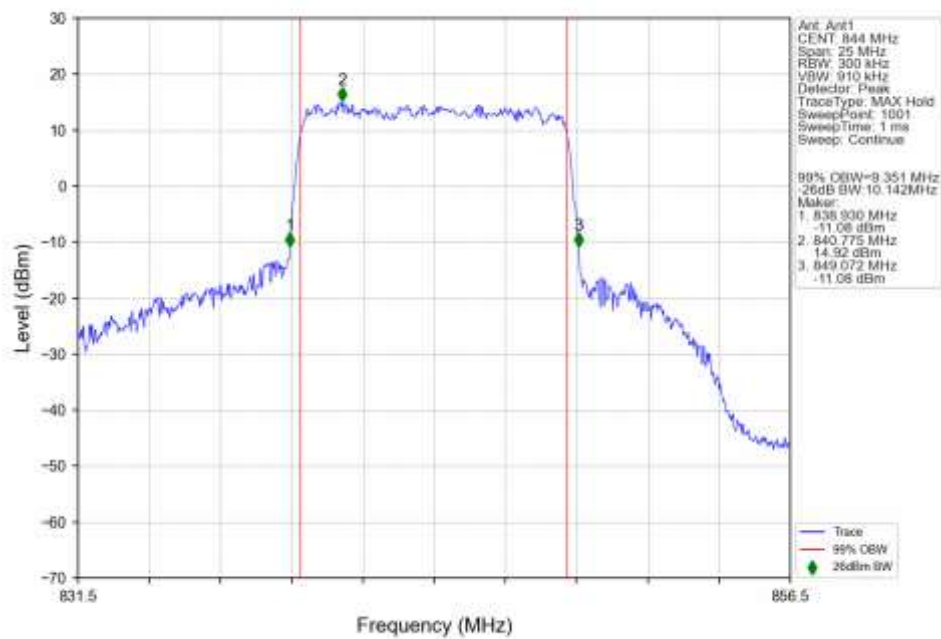
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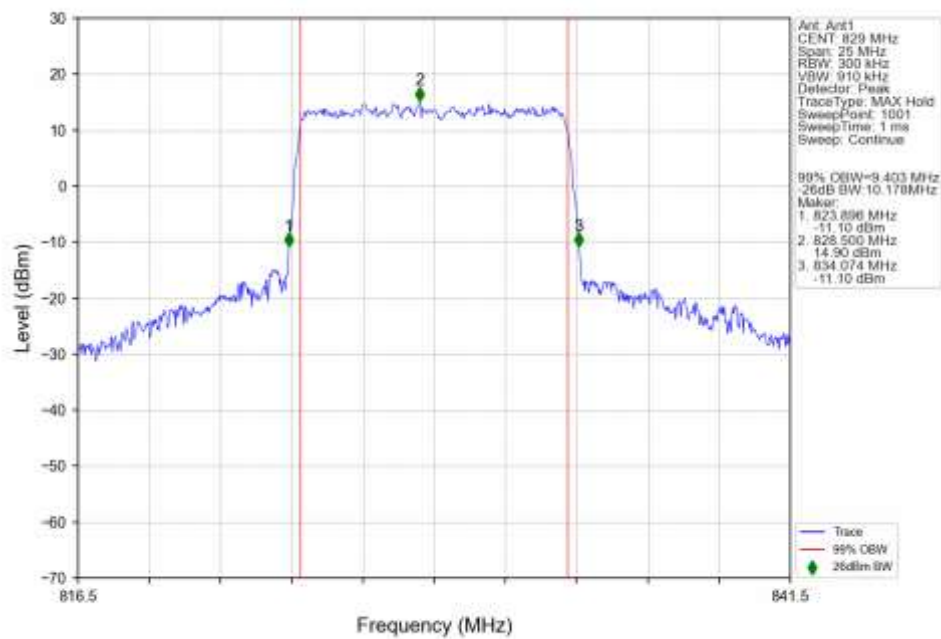
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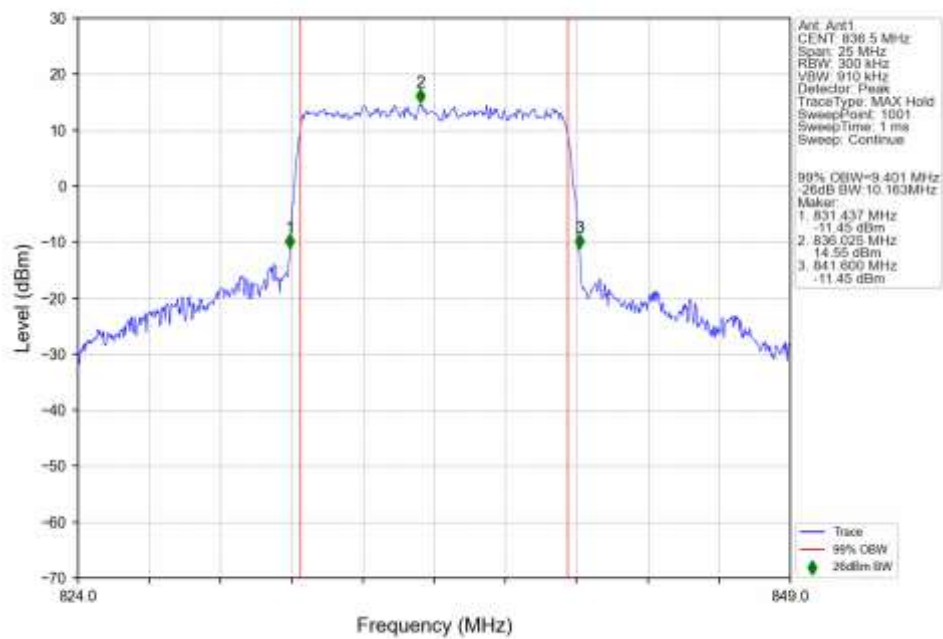
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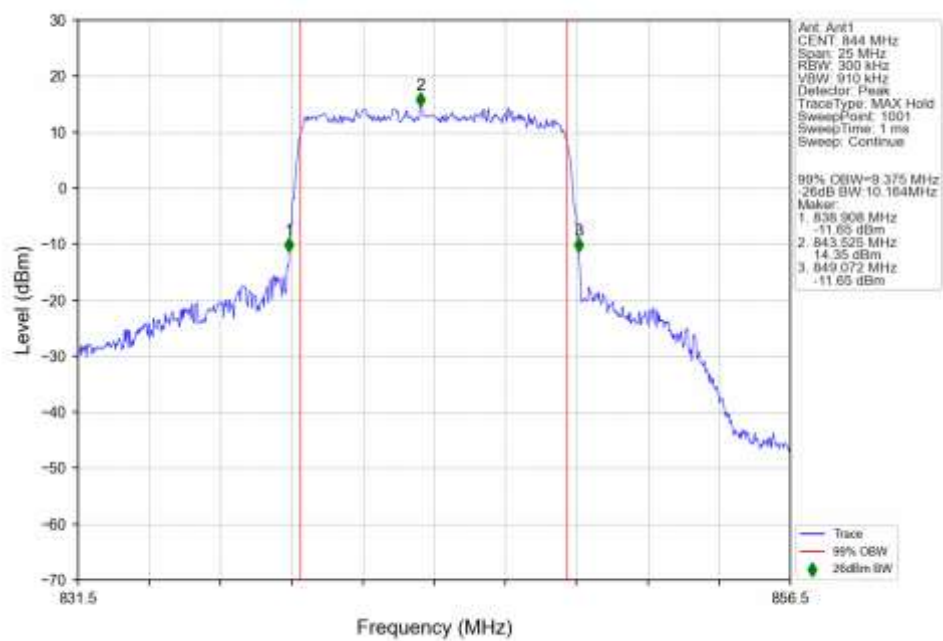
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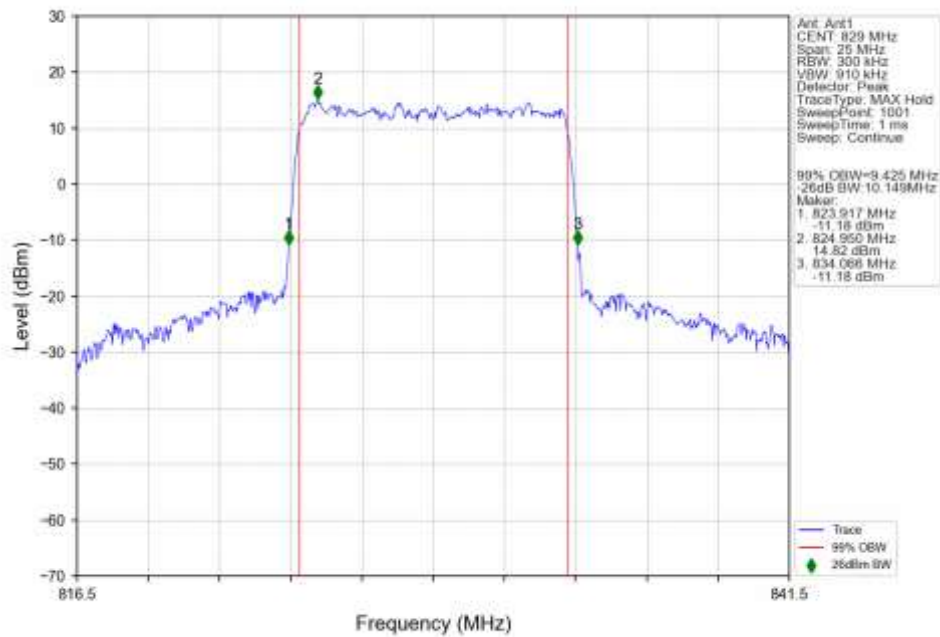
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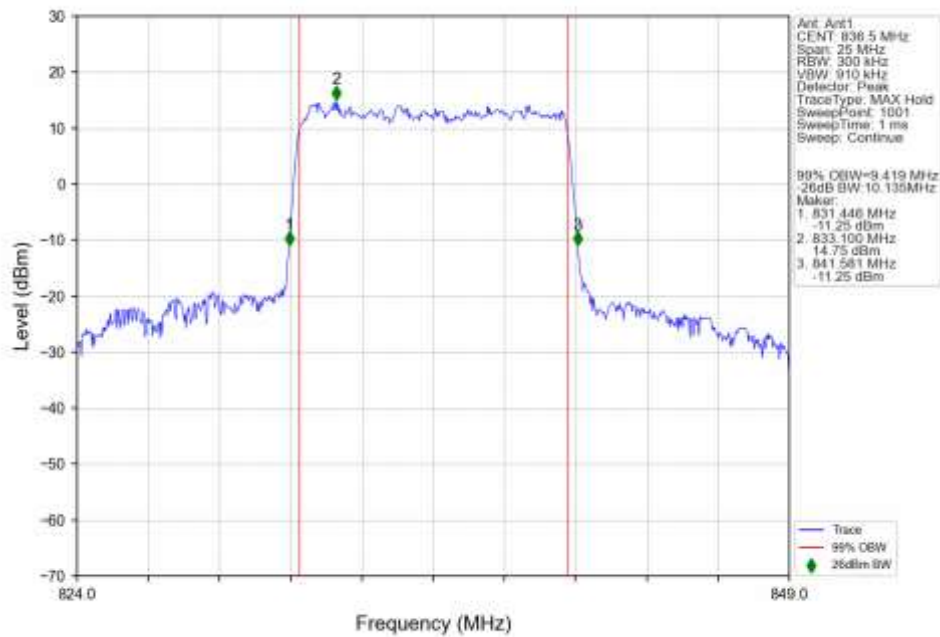
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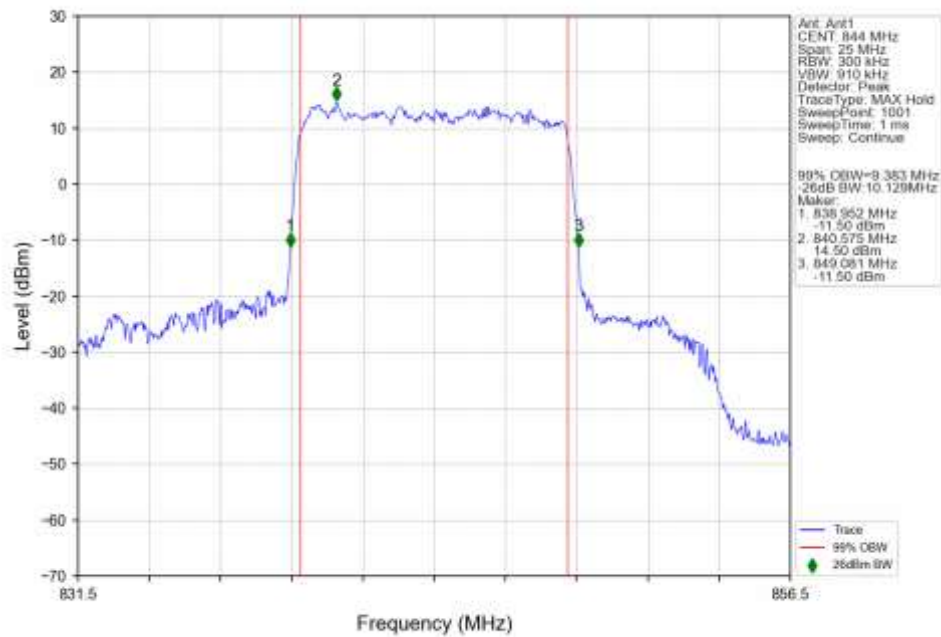
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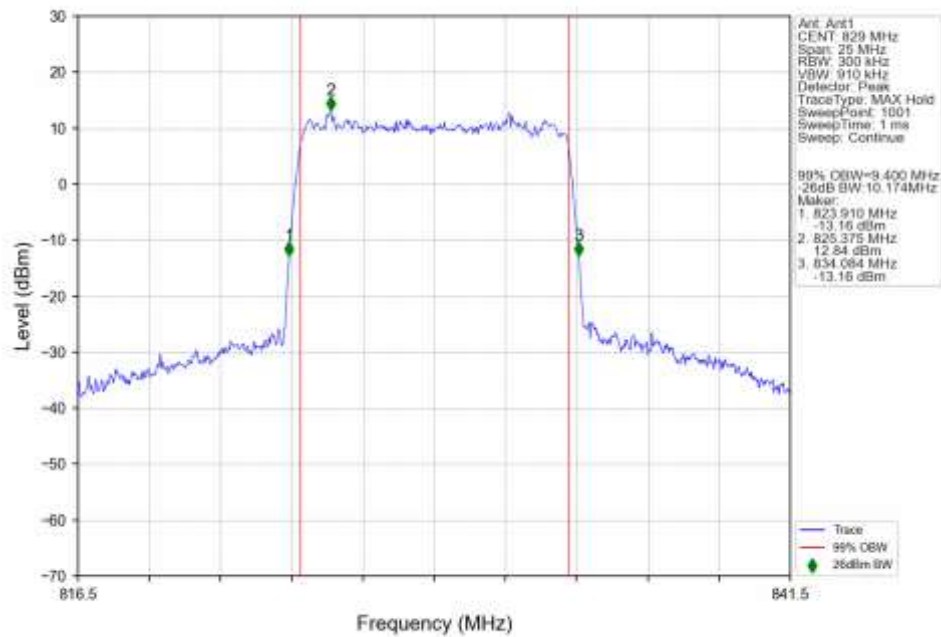
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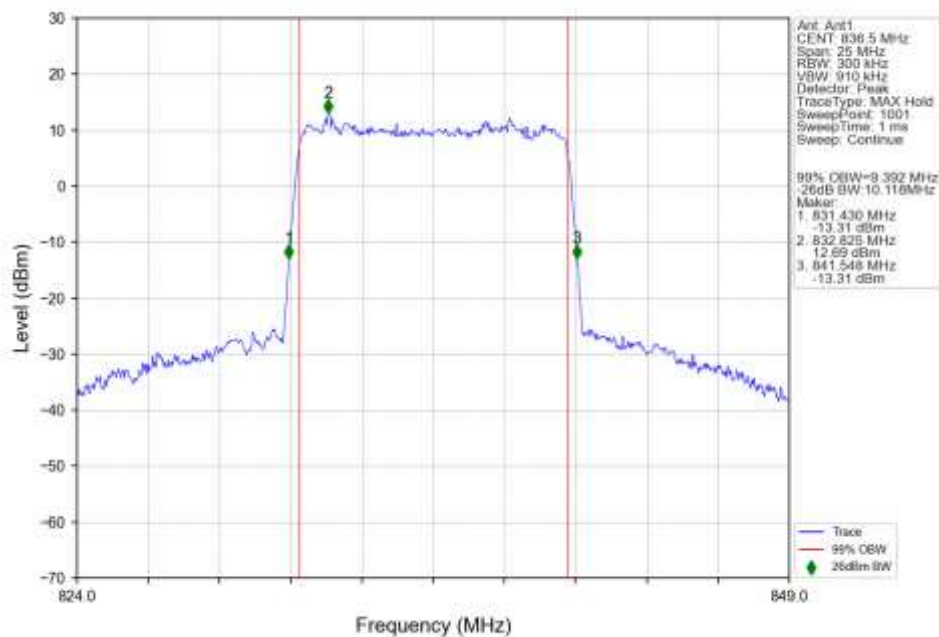
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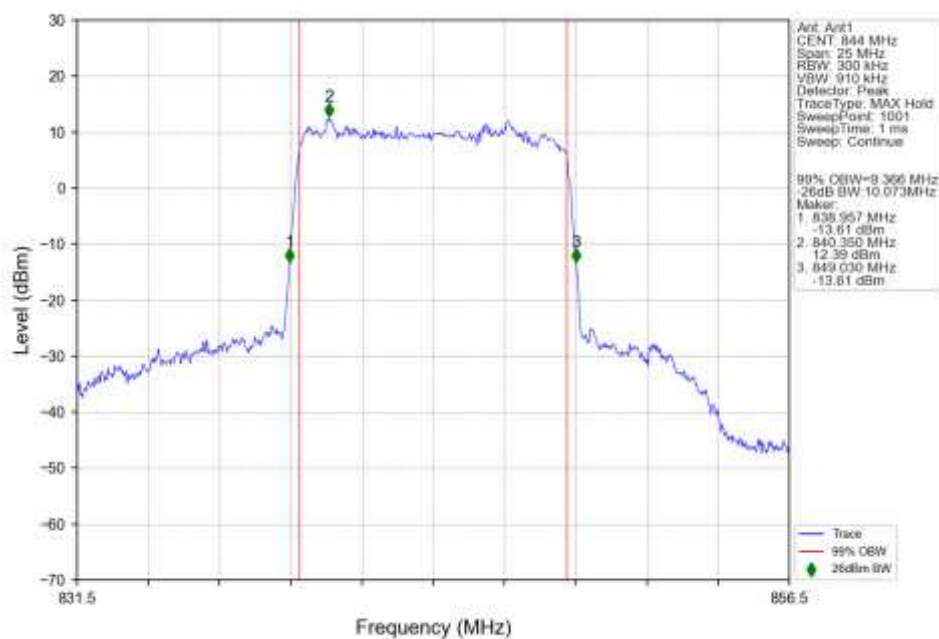
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n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1

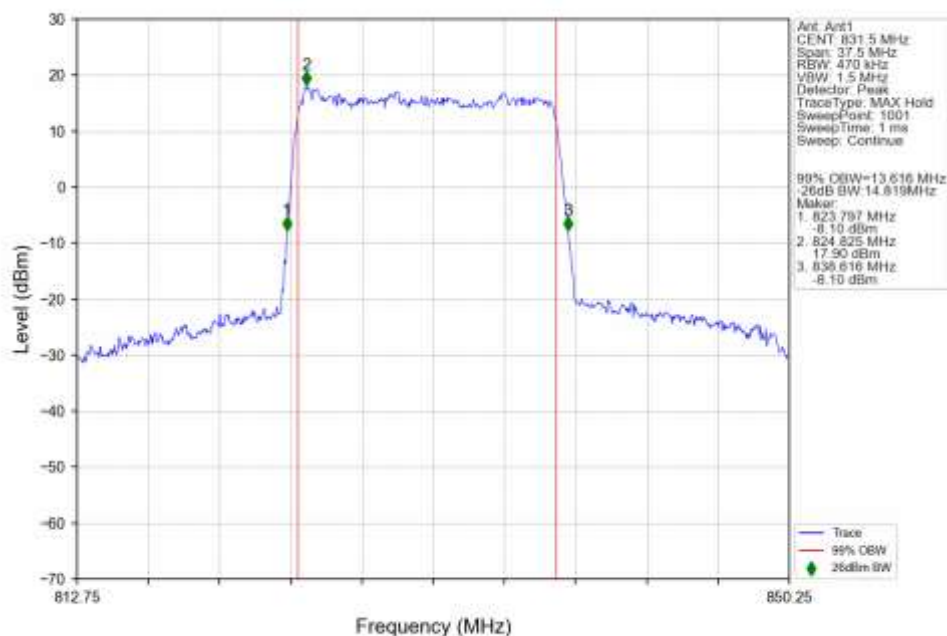


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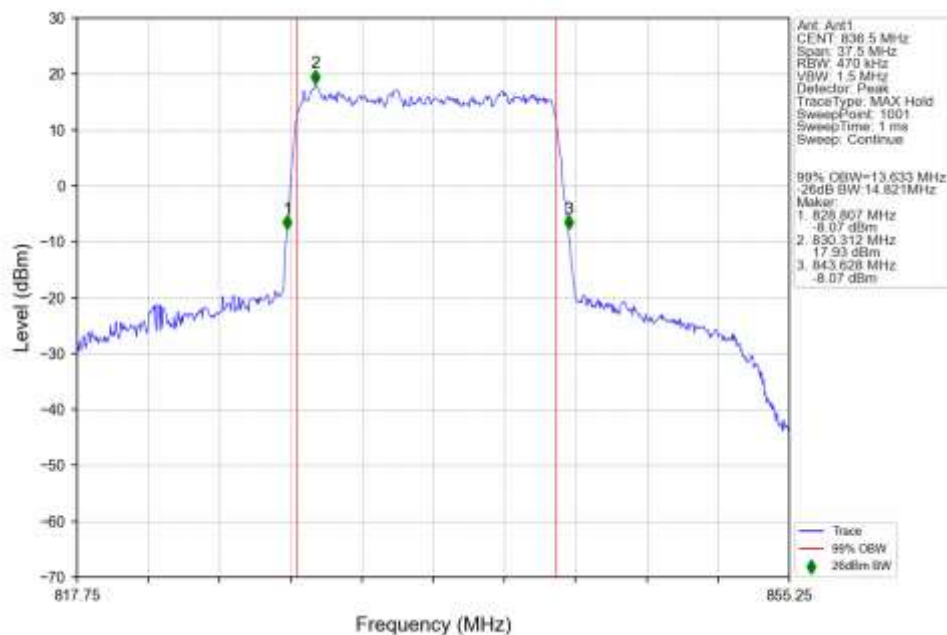


4.2.3 15k_SISO_15MHz_NTNV

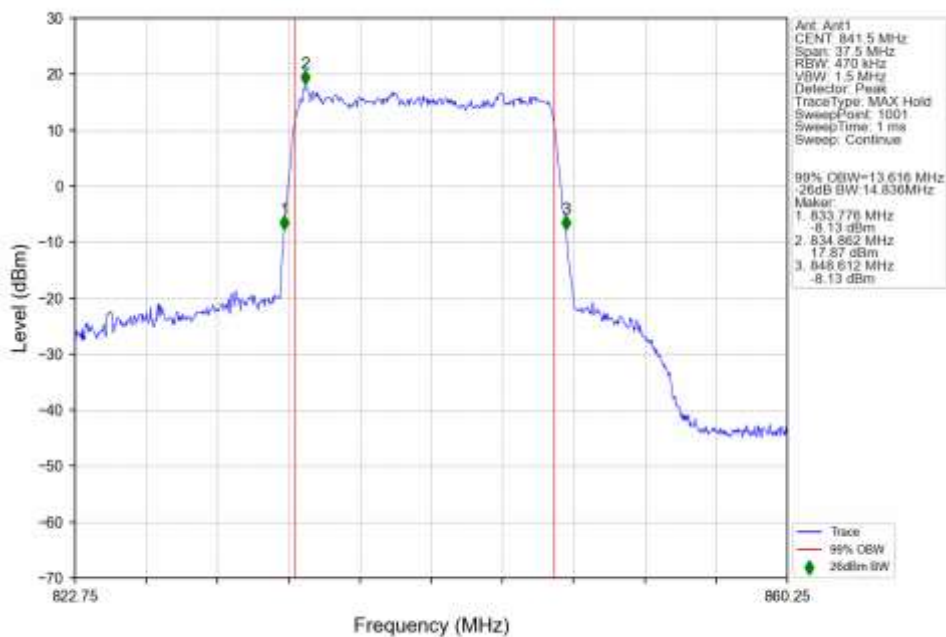
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_831.5MHz_Outer_Full_Ant1



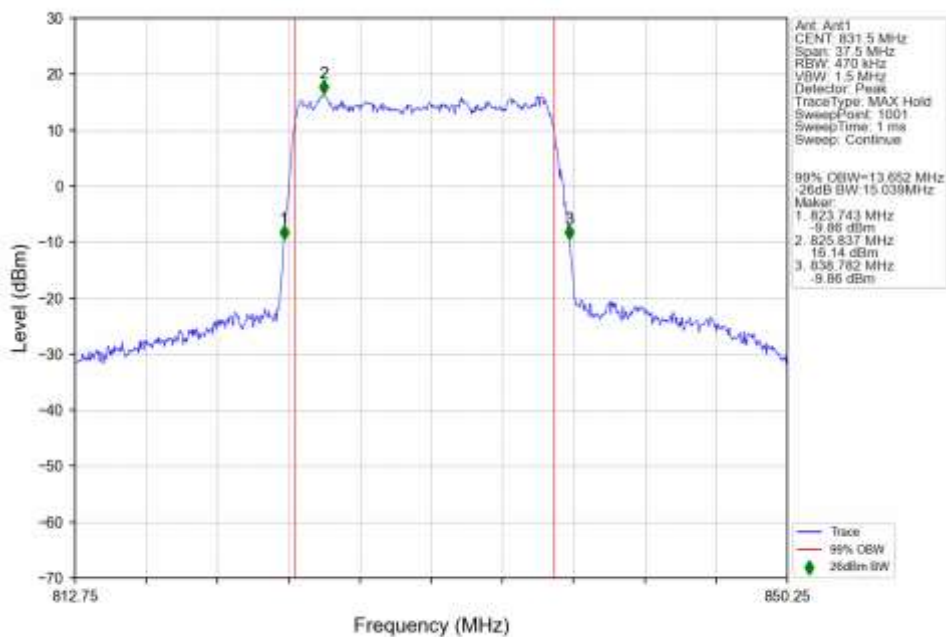
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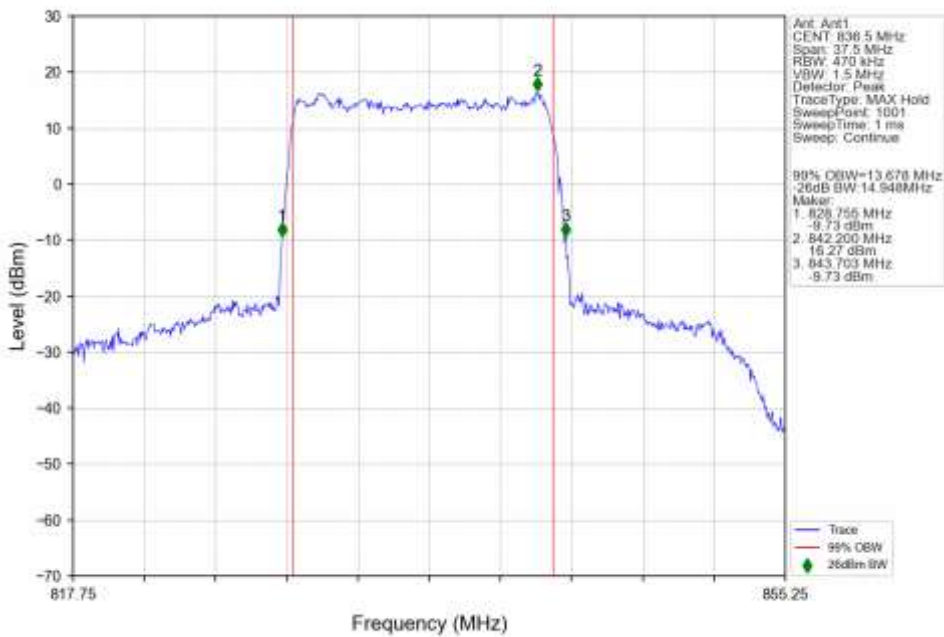
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_841.5MHz_Outer_Full_Ant1



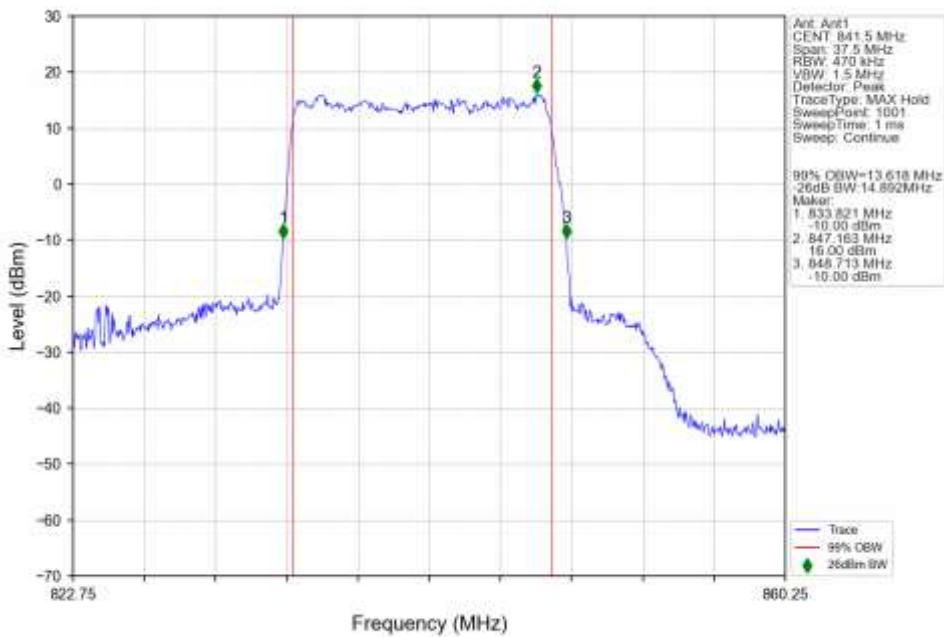
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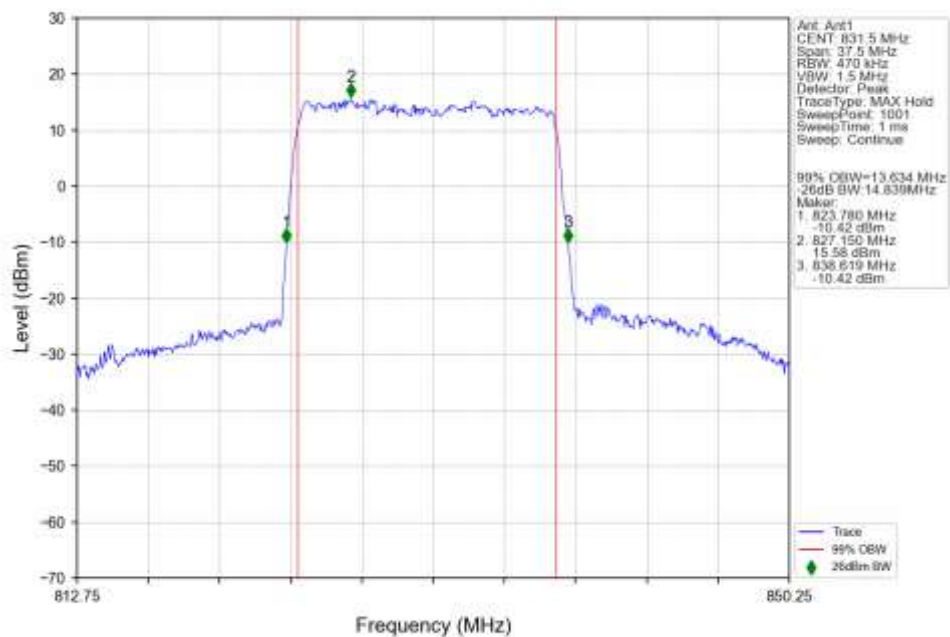
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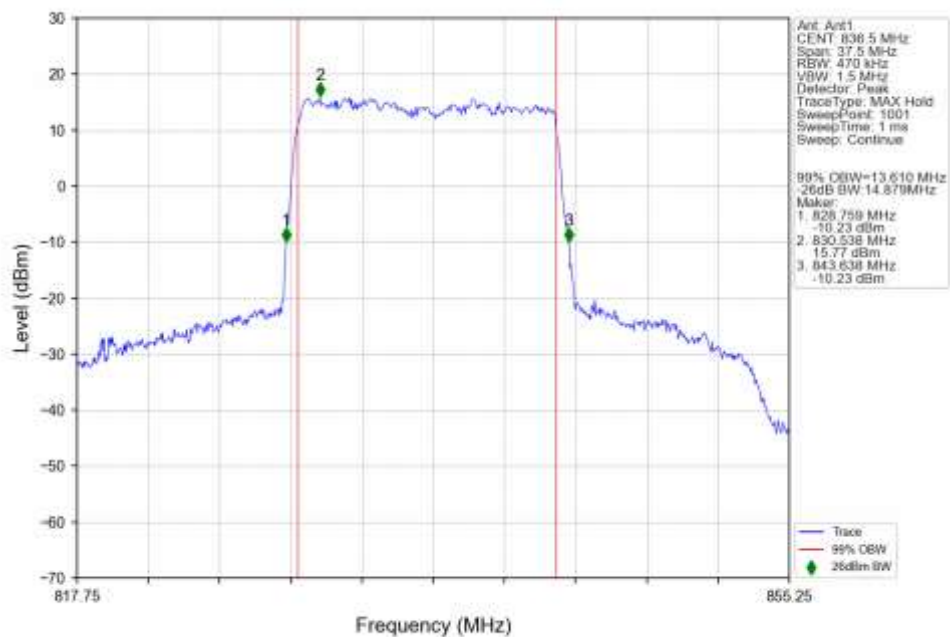
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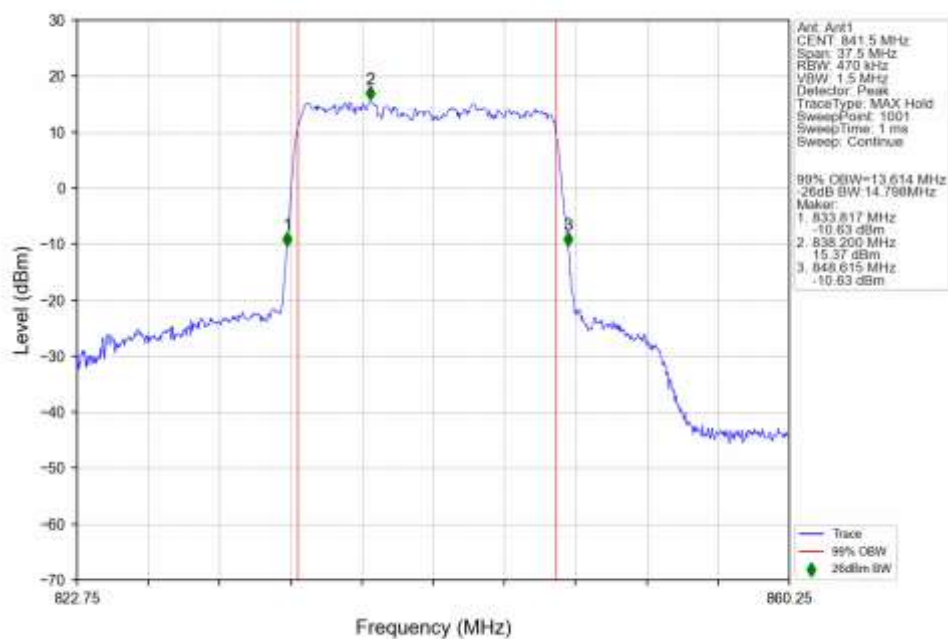
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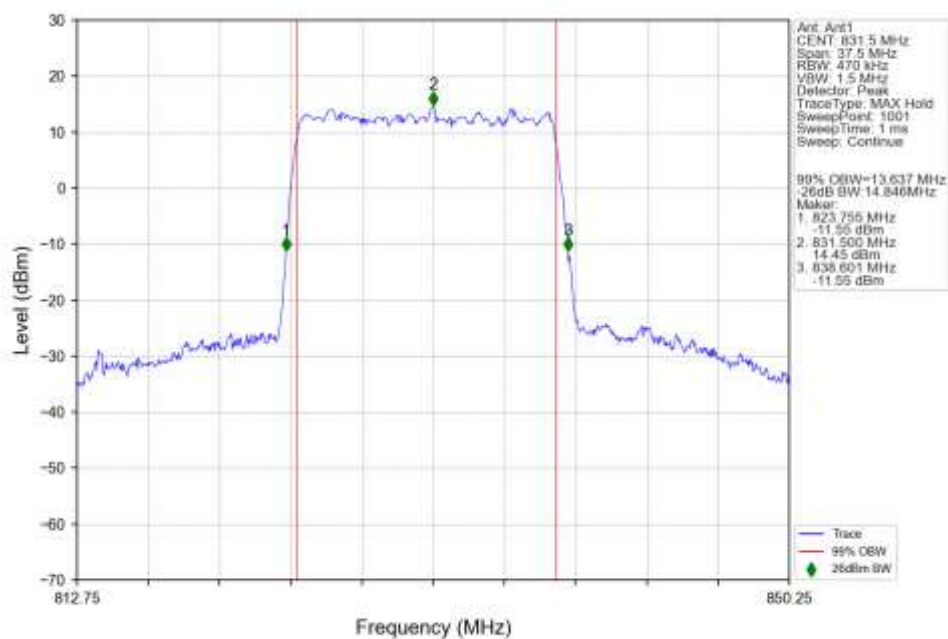
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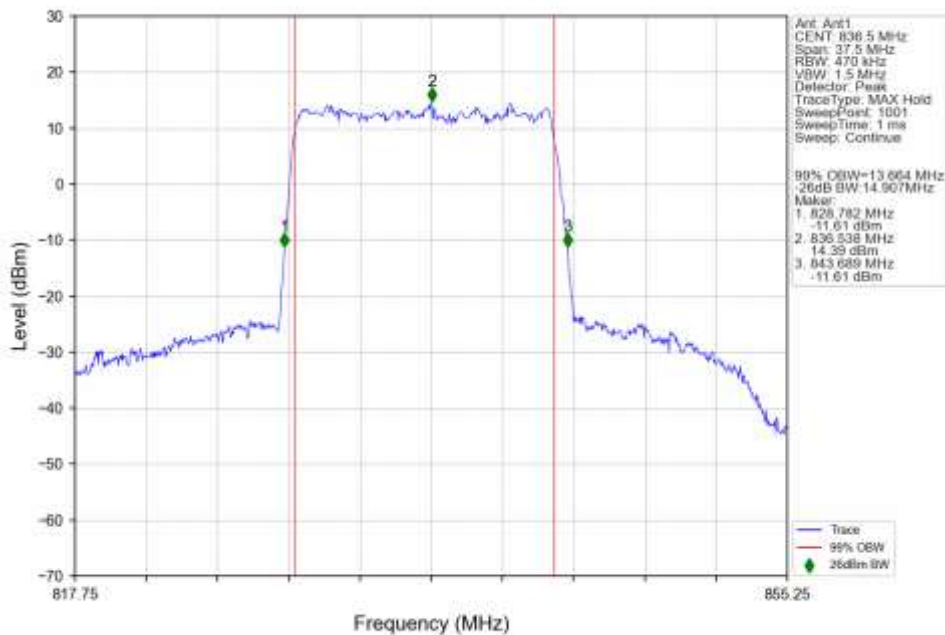
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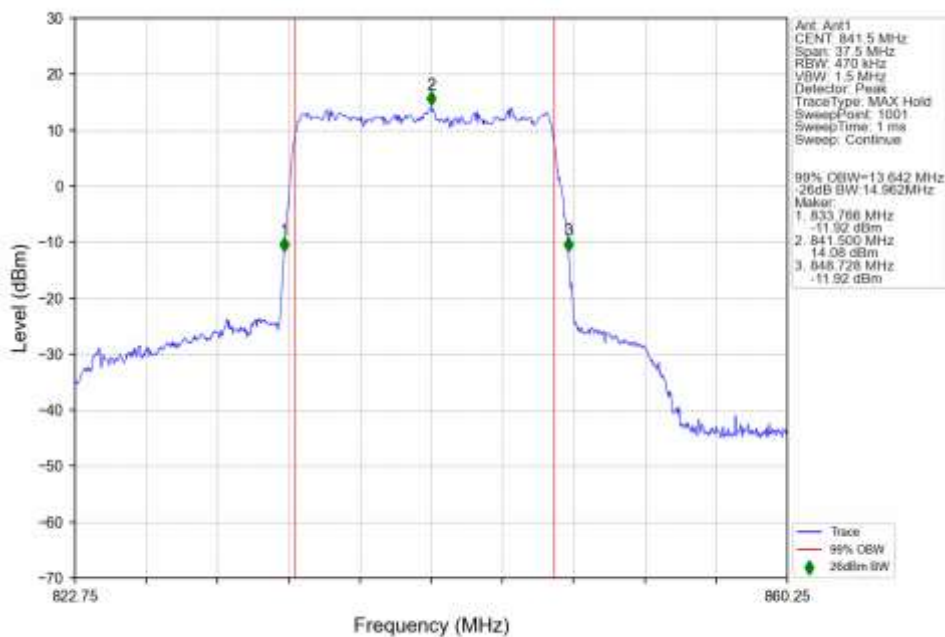
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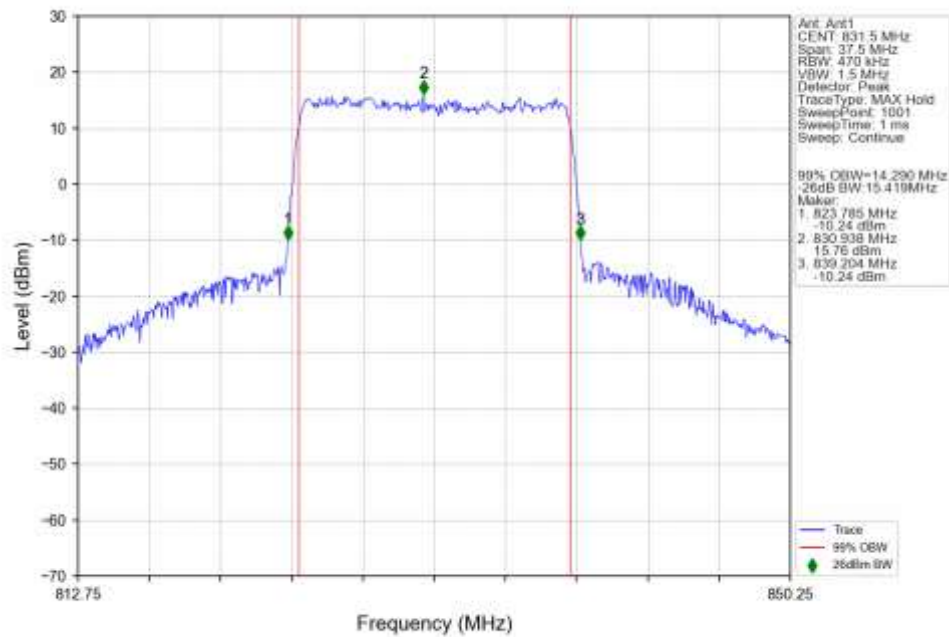
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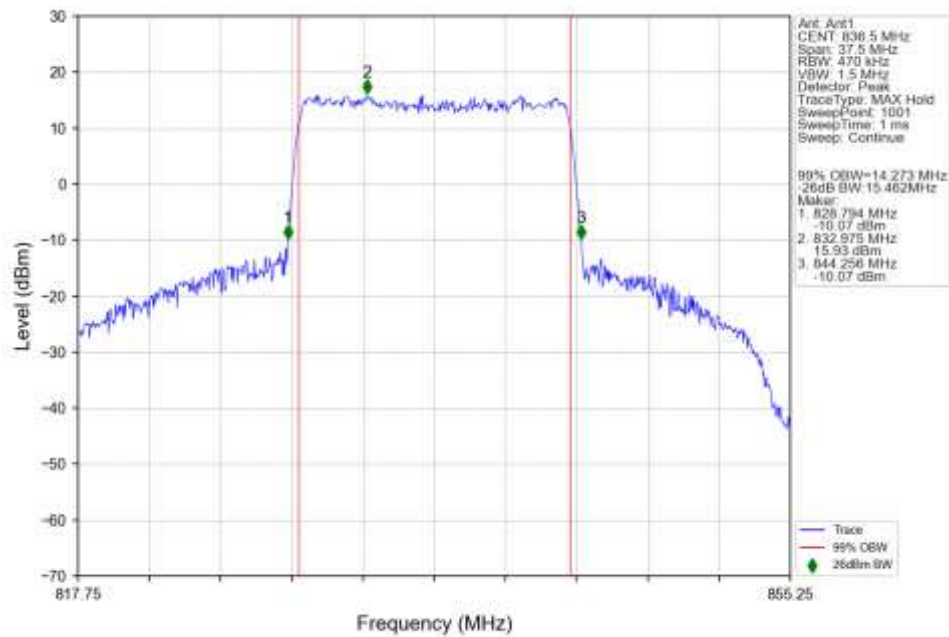
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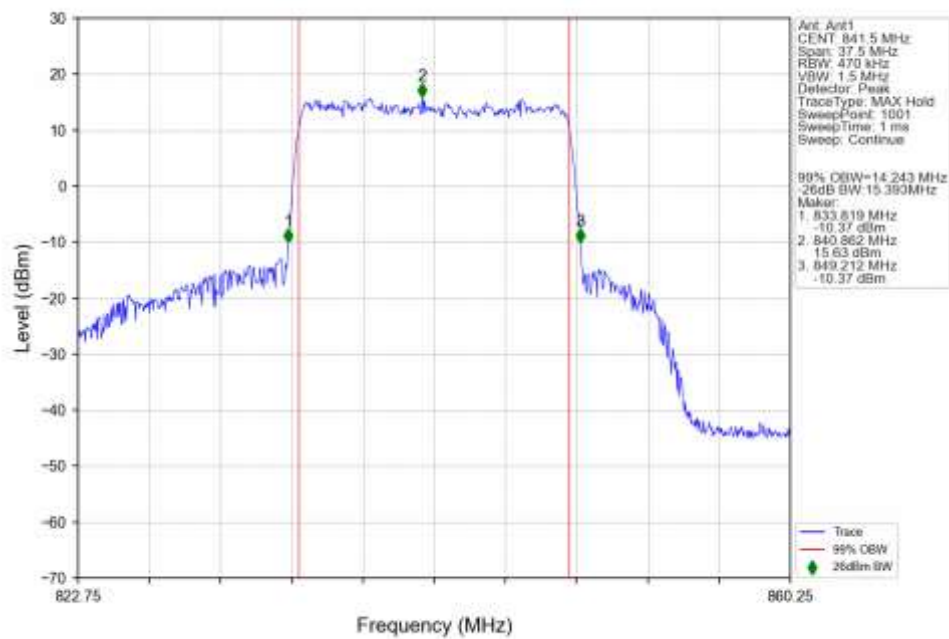
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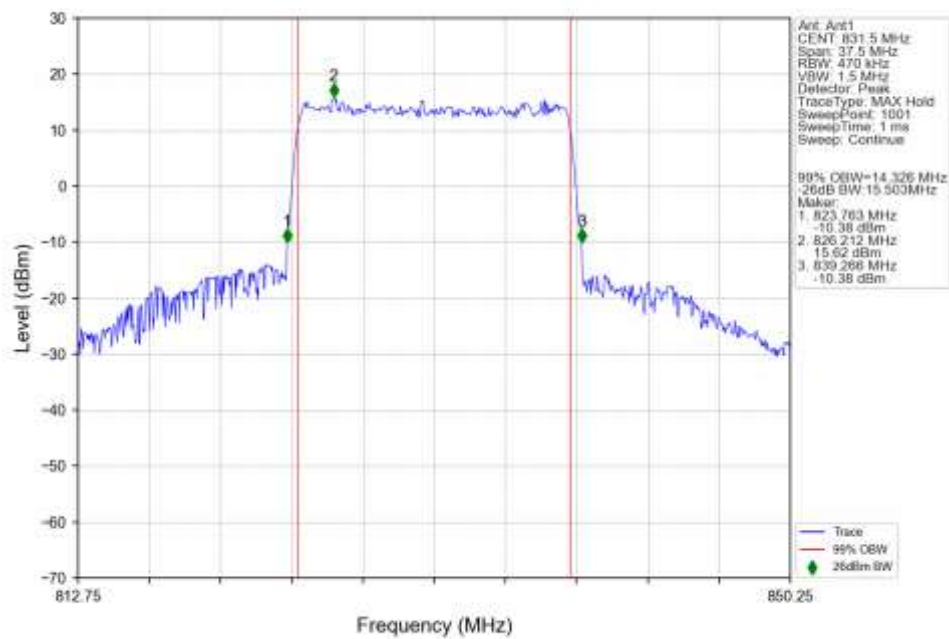
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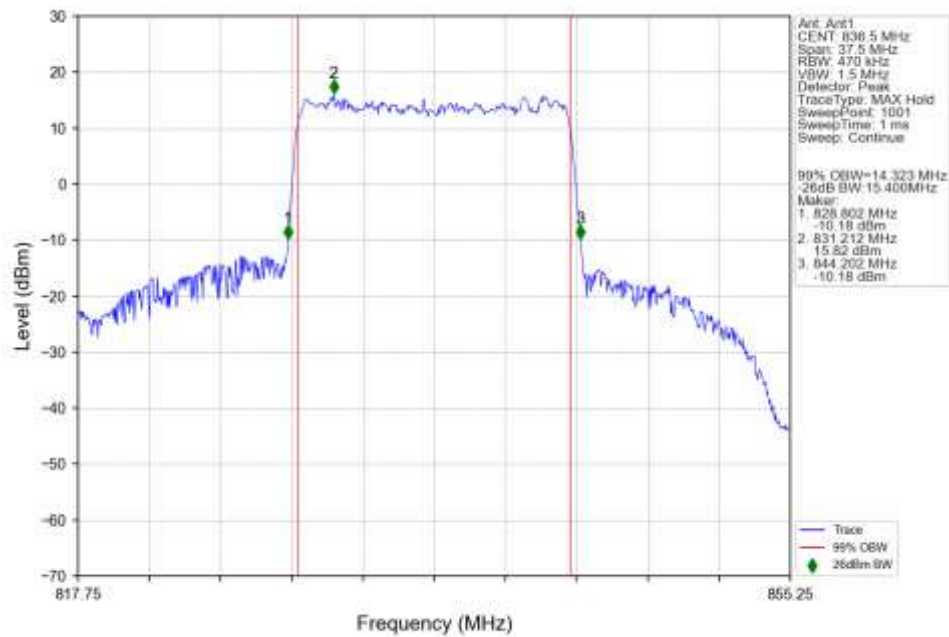
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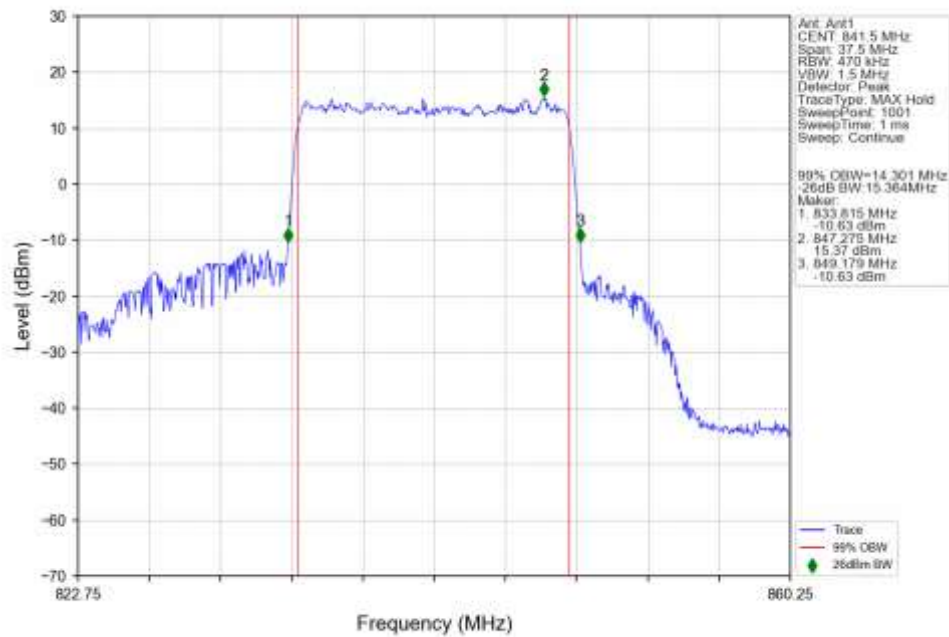
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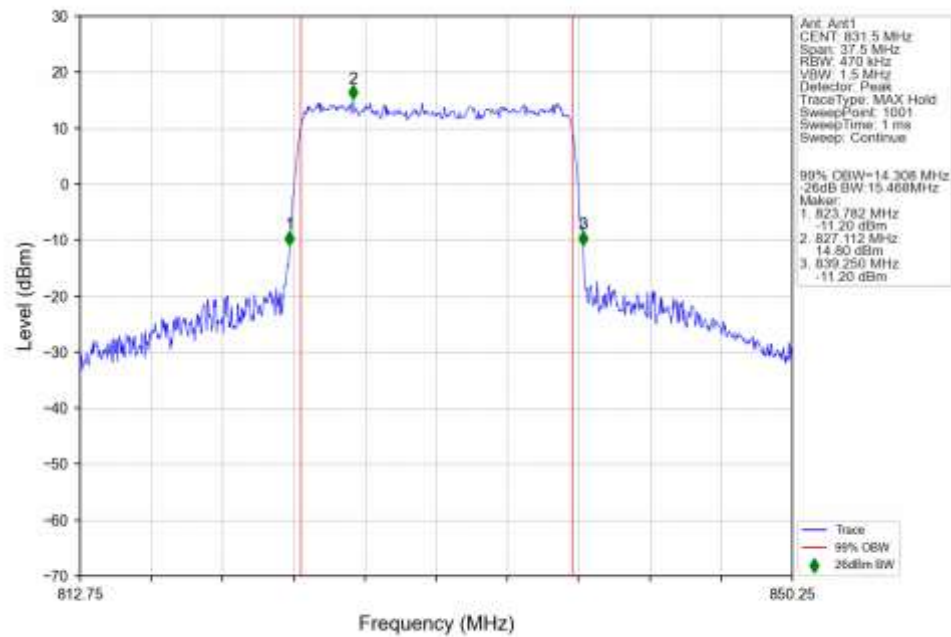
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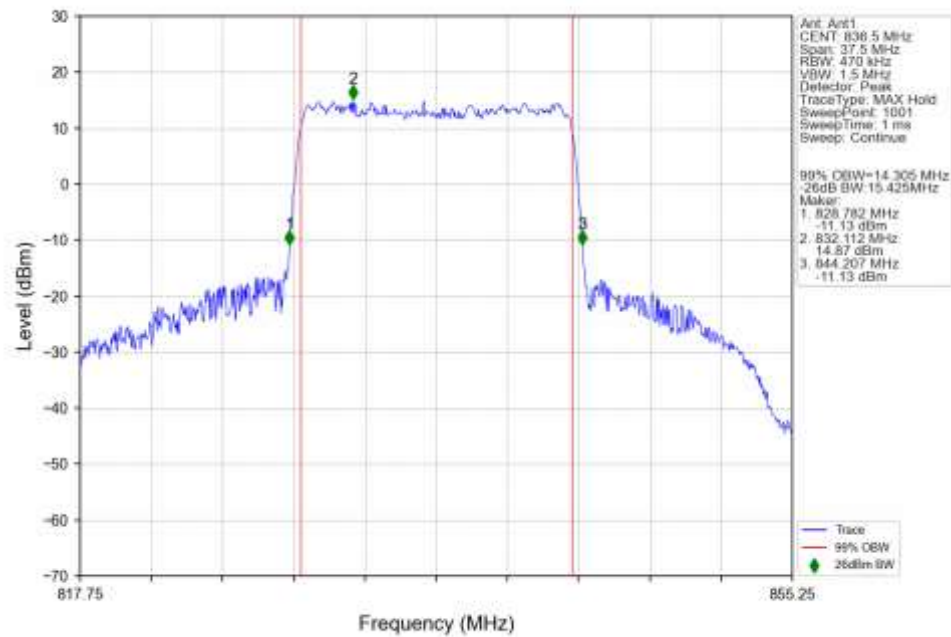
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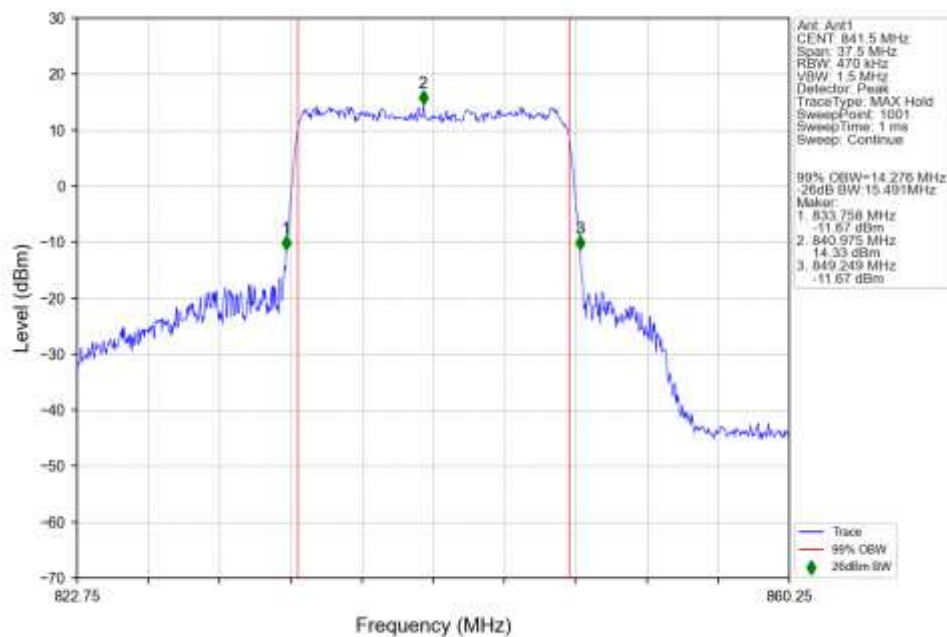
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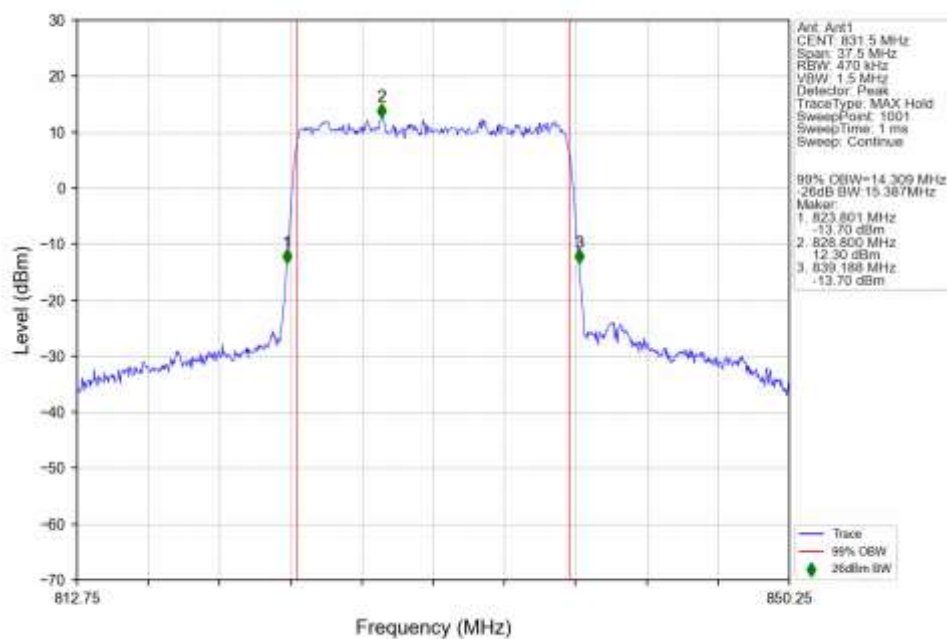
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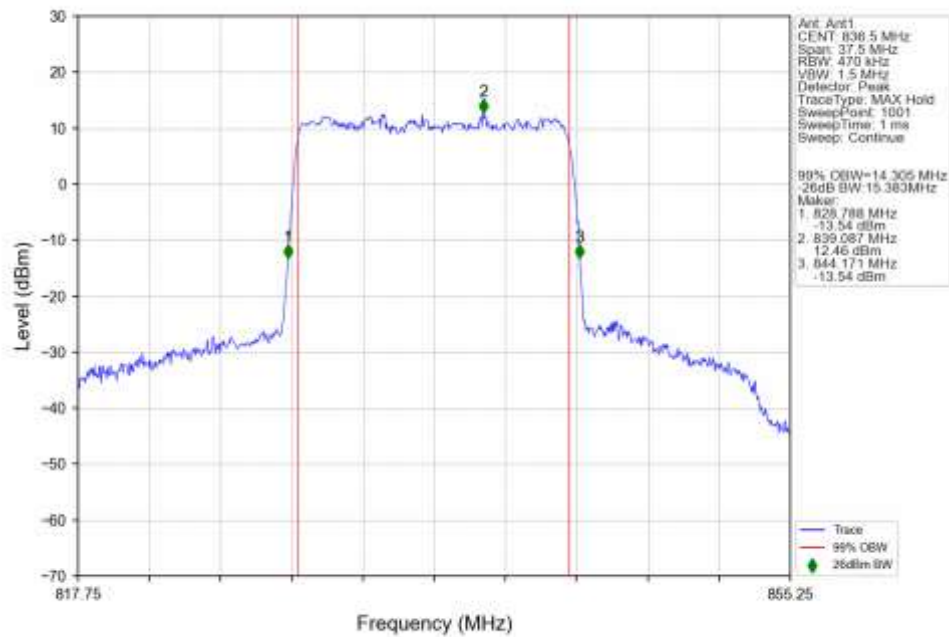
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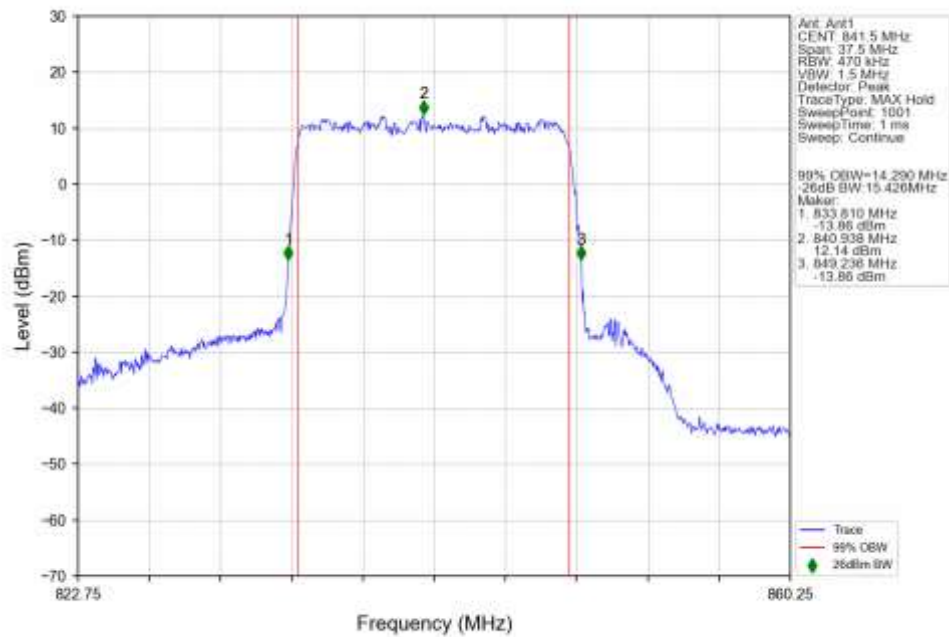
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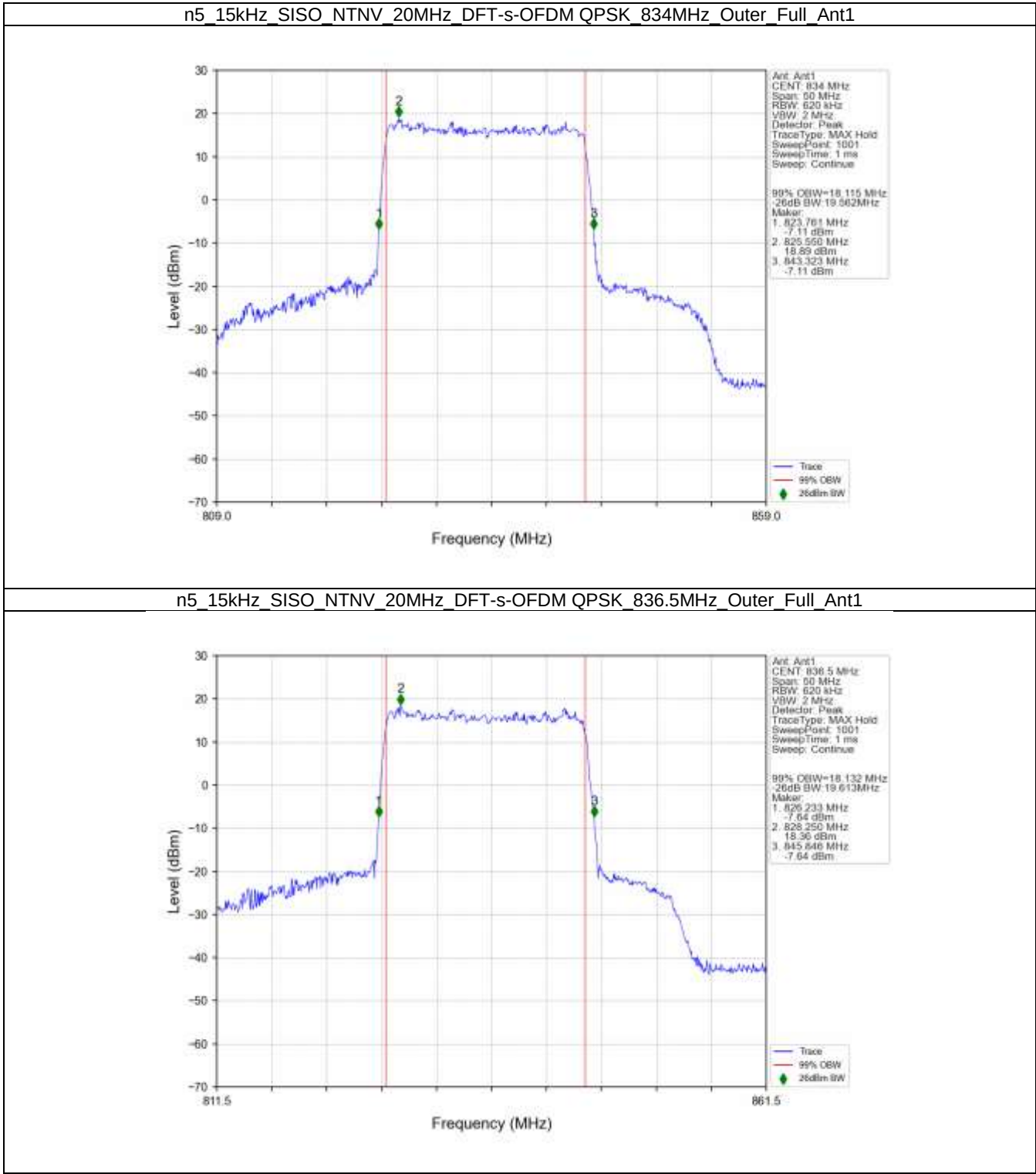
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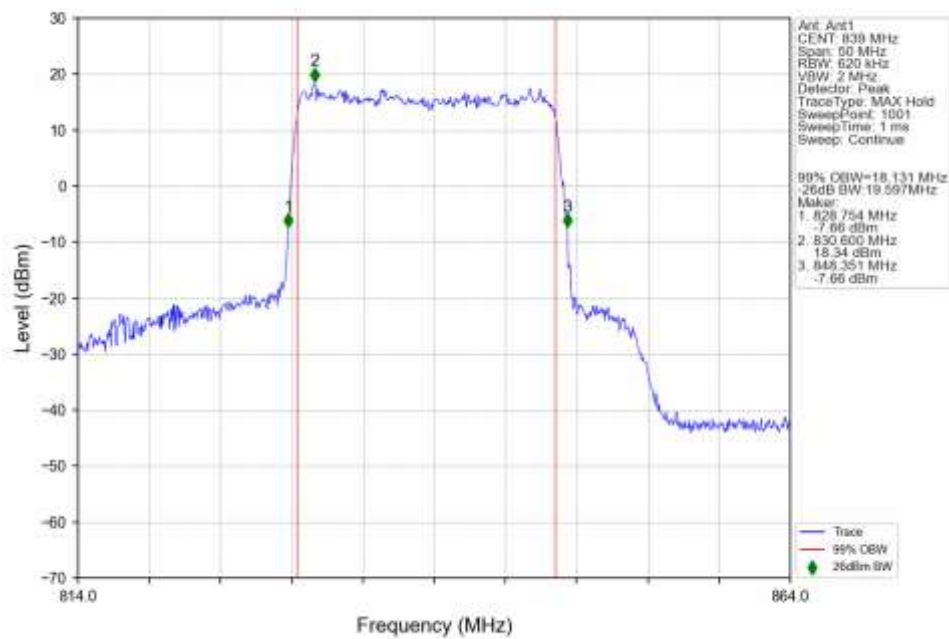
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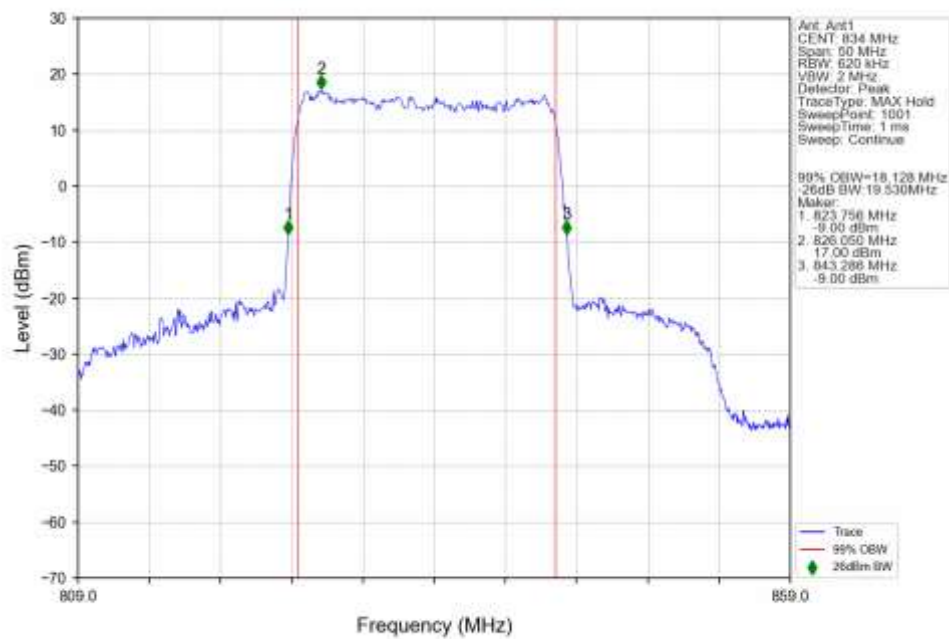
4.2.4 15k_SISO_20MHz_NTNV



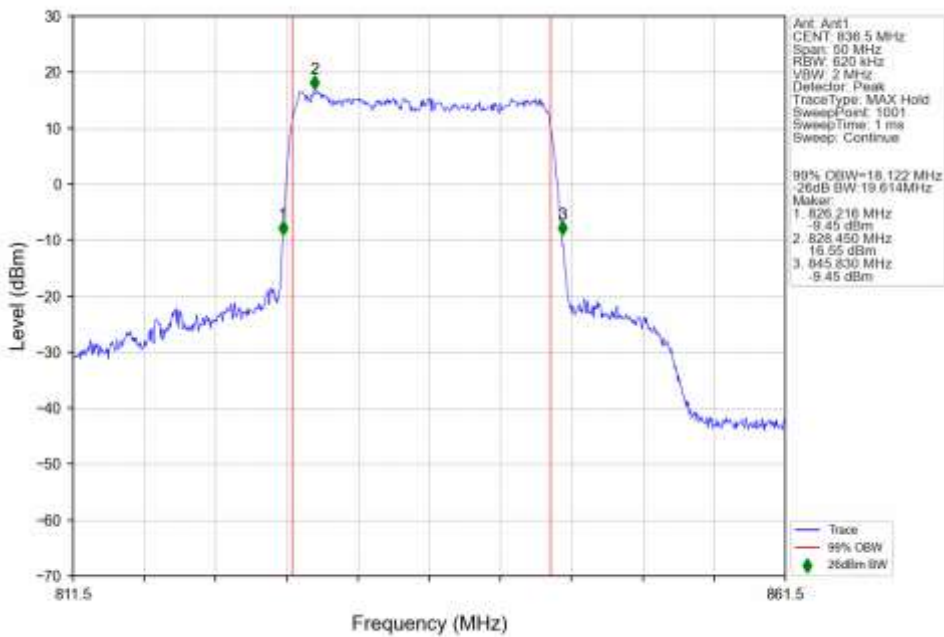
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_839MHz_Outer_Full_Ant1



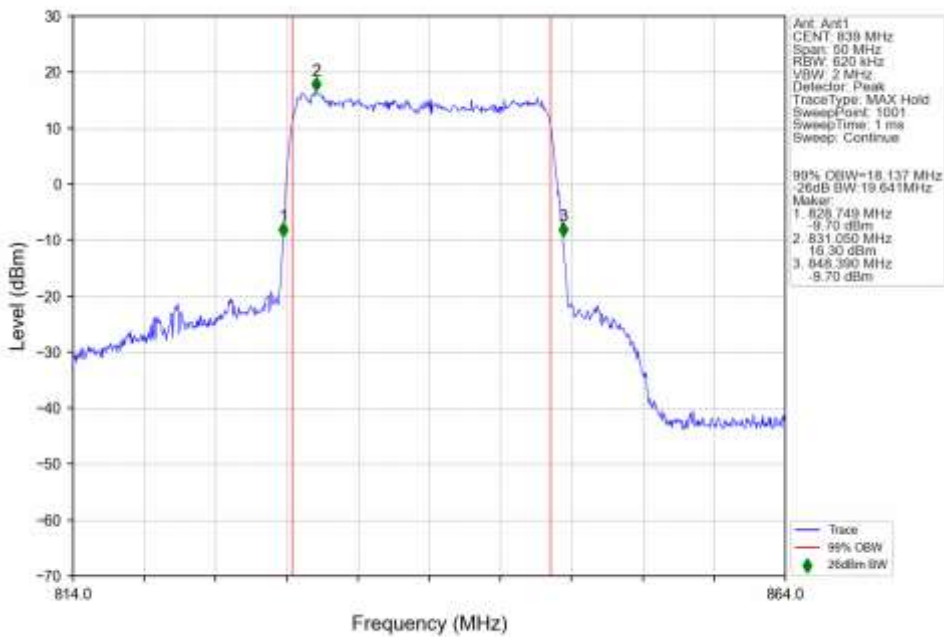
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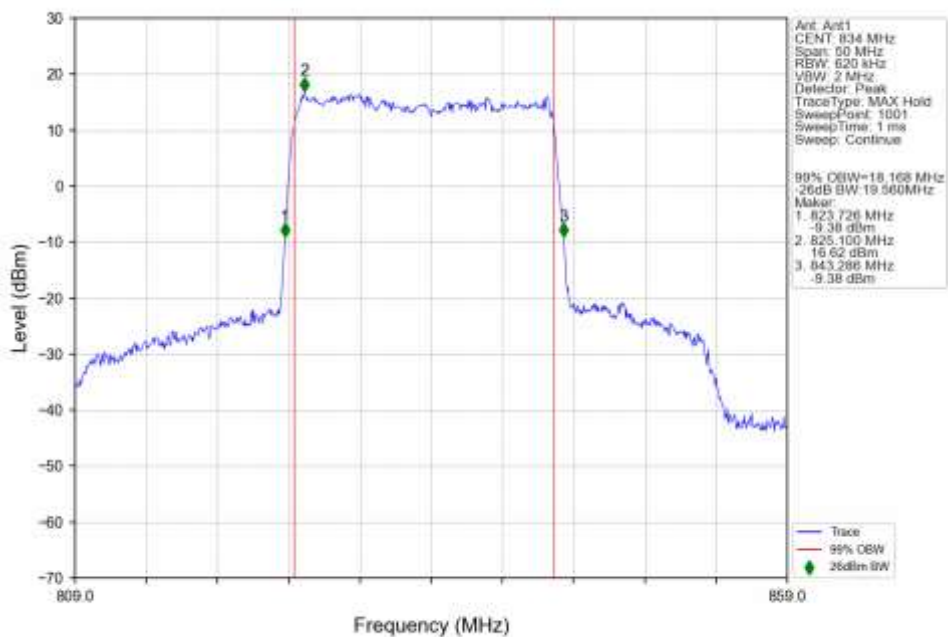
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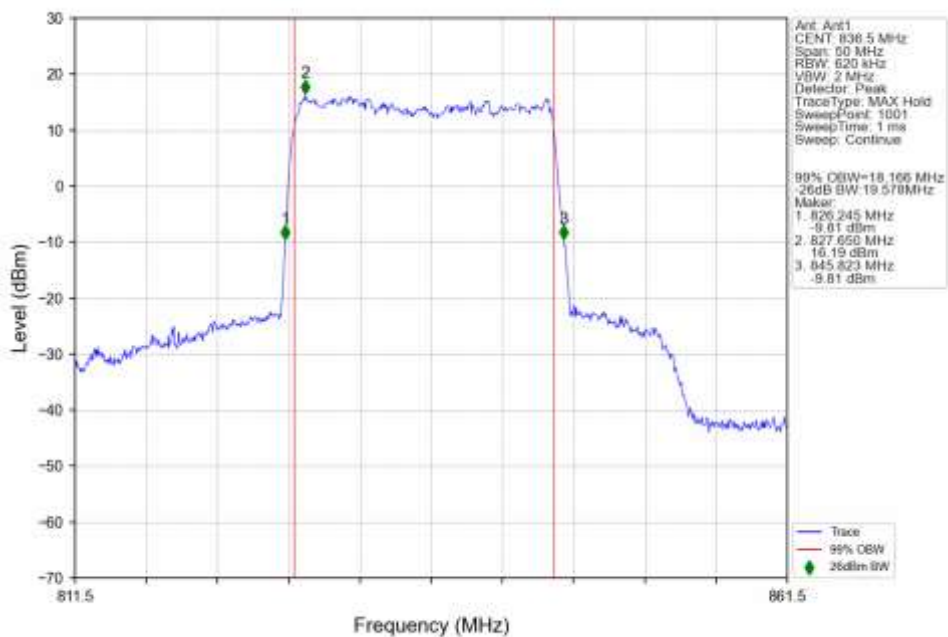
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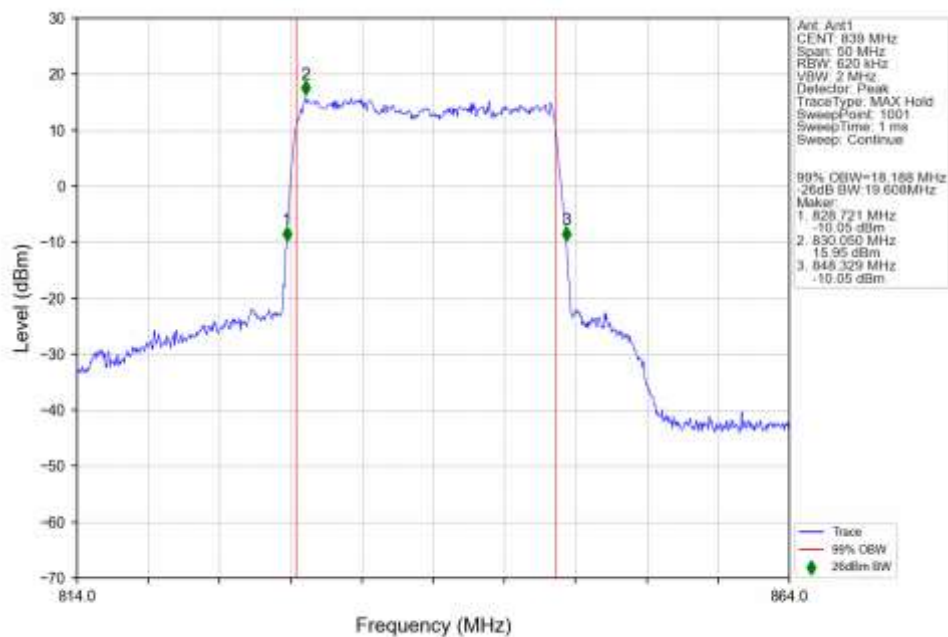
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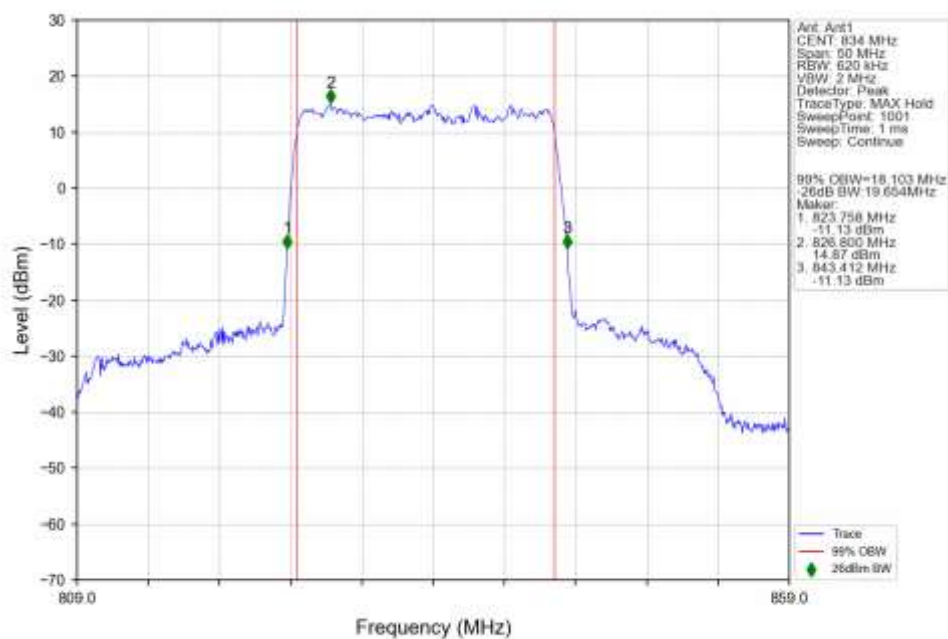
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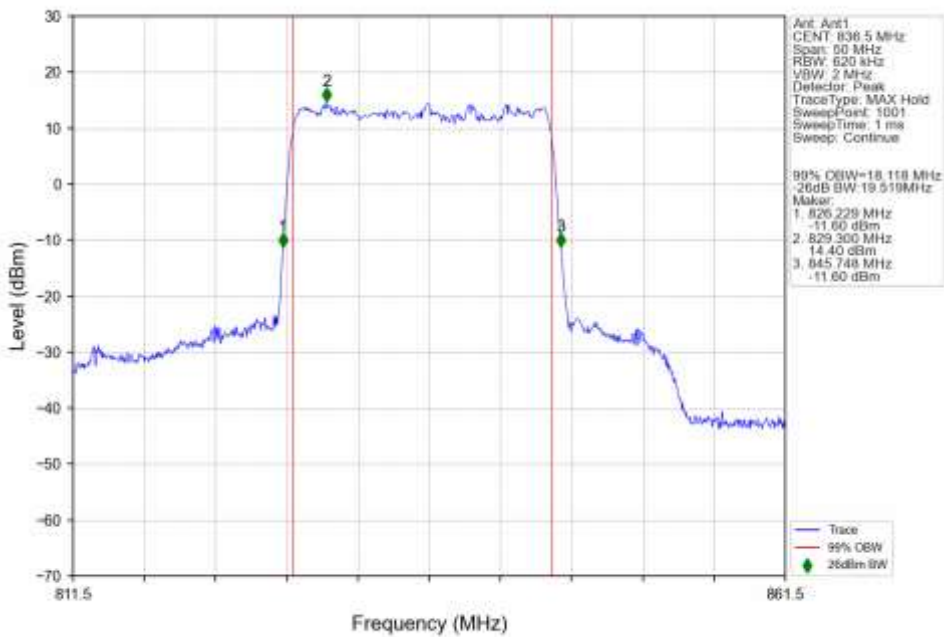
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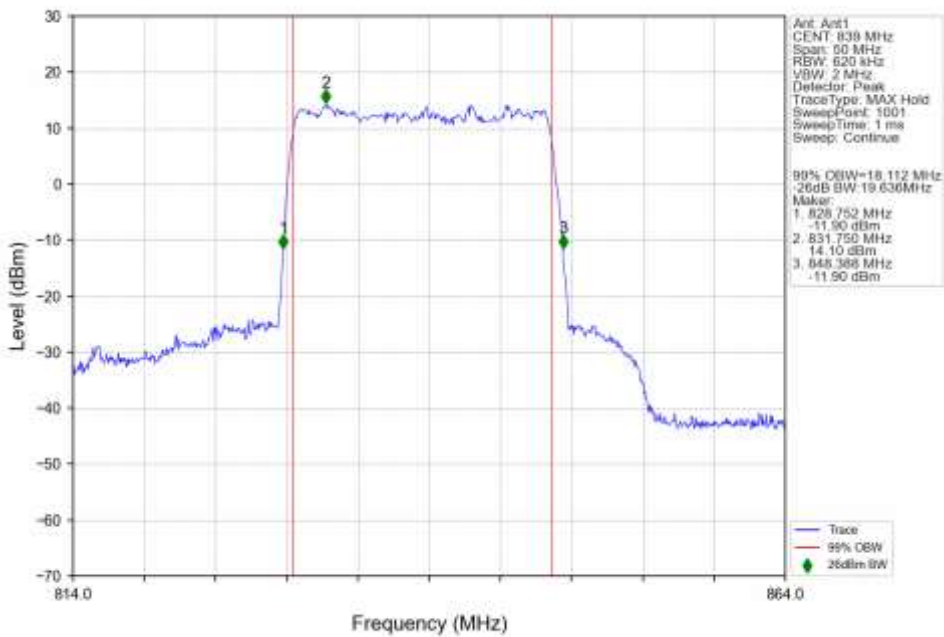
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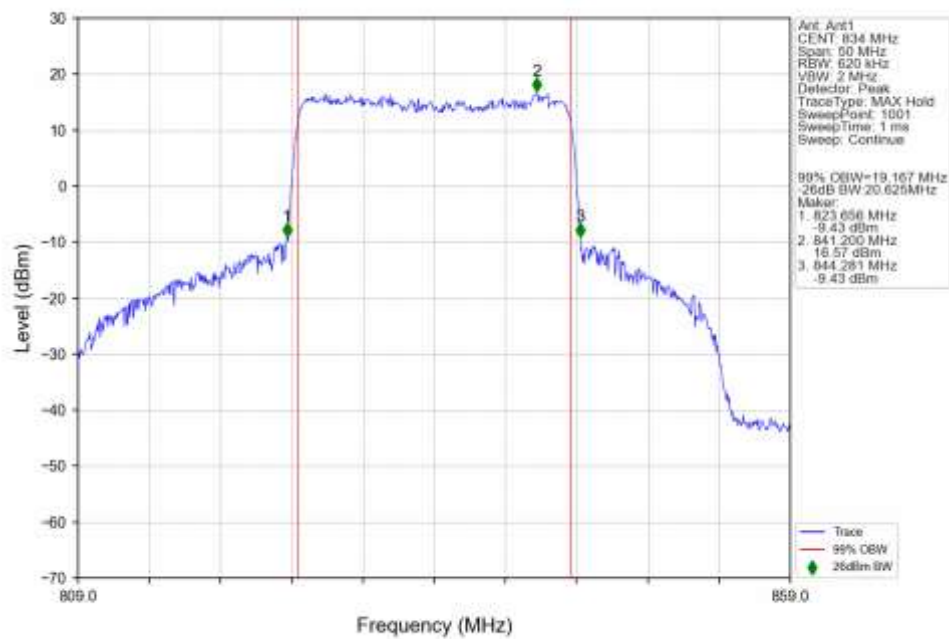
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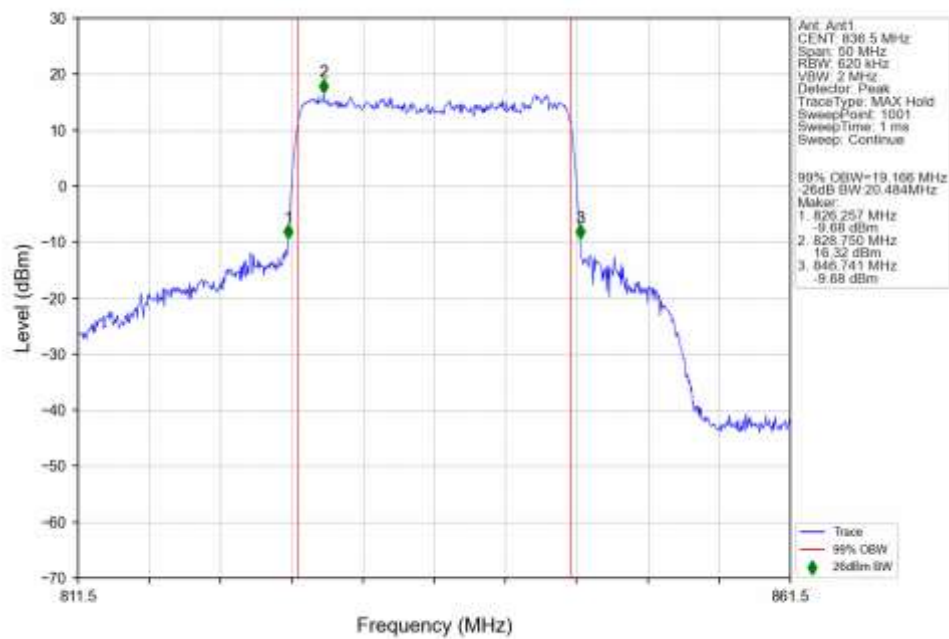
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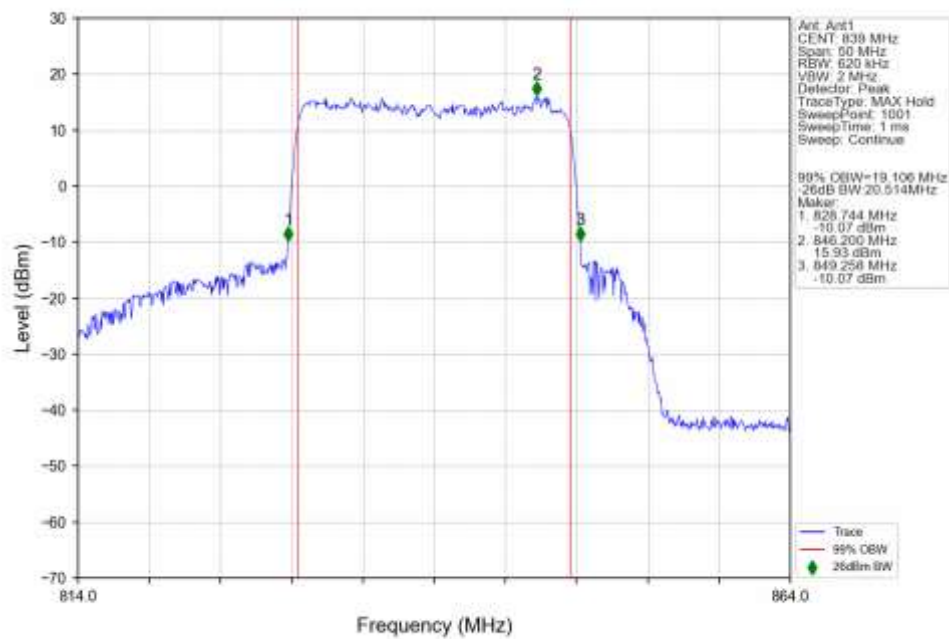
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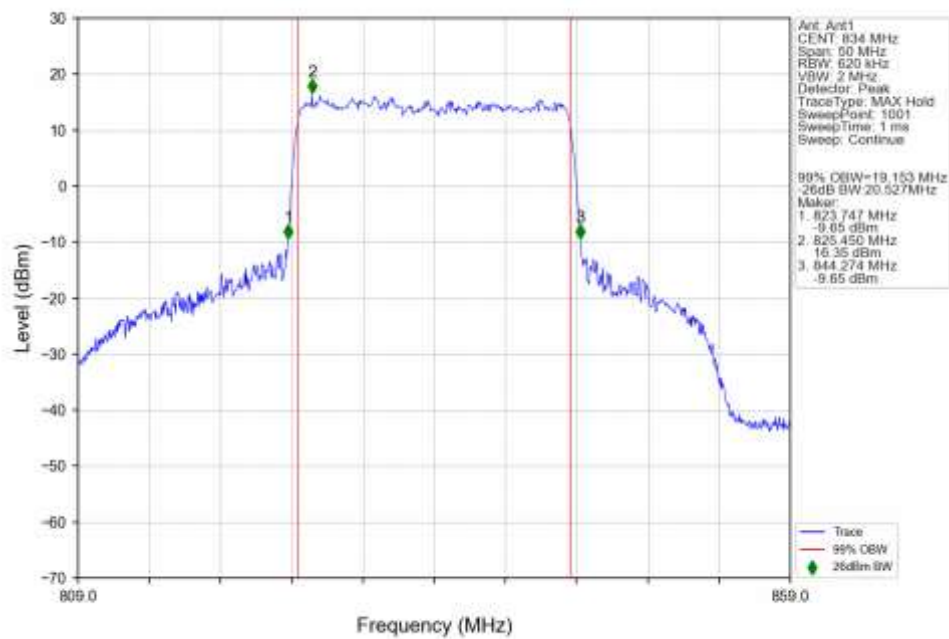
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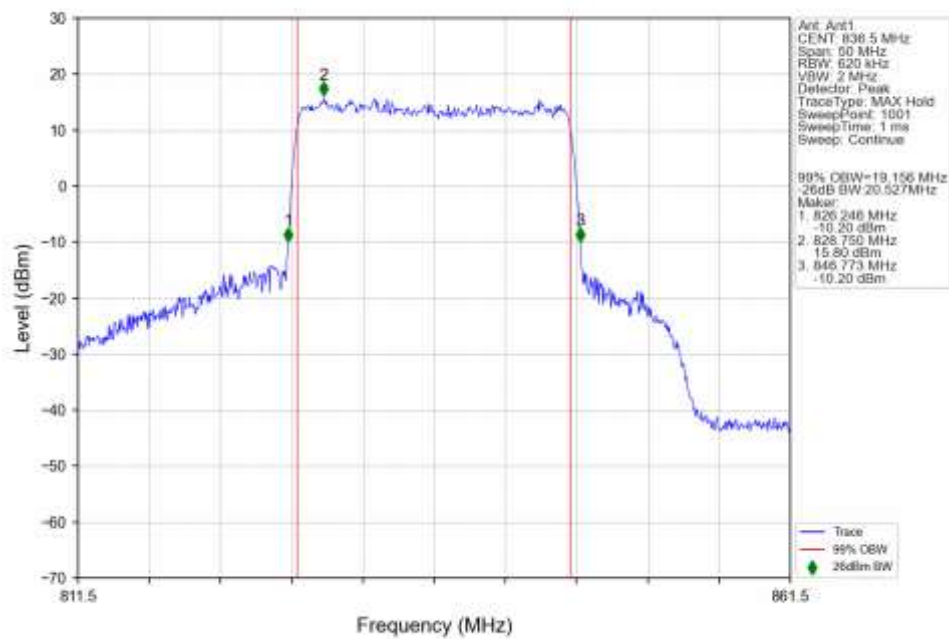
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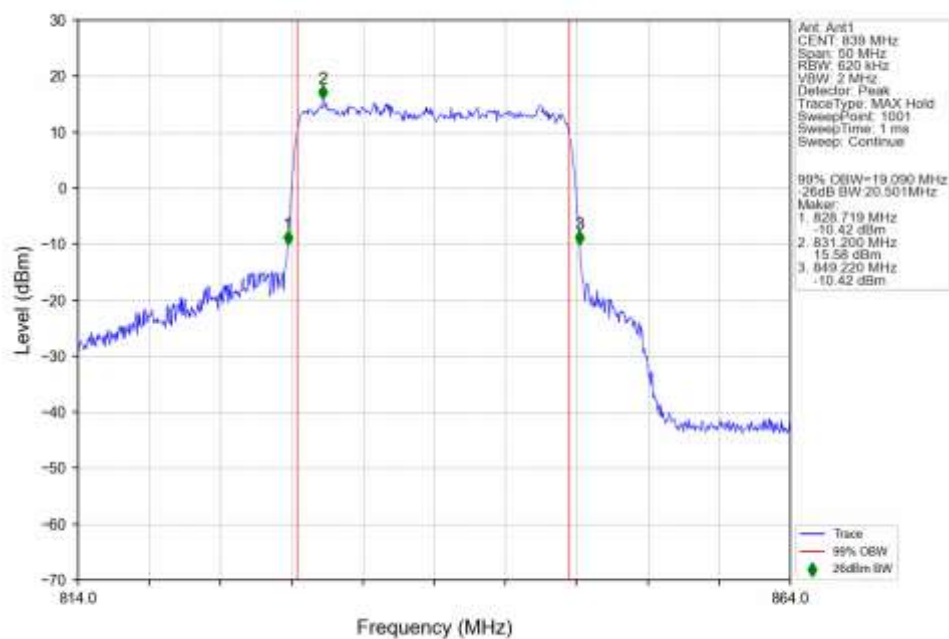
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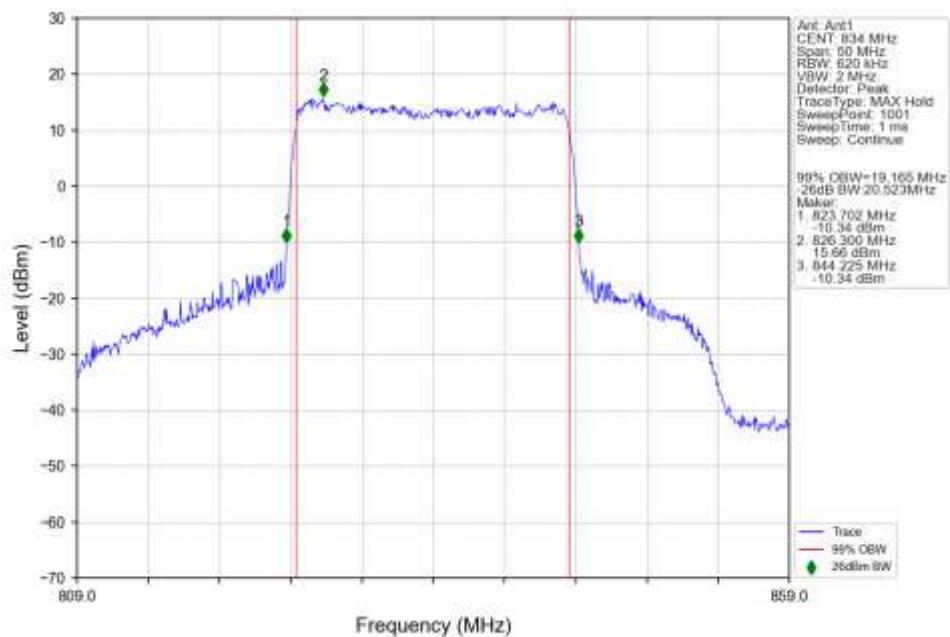
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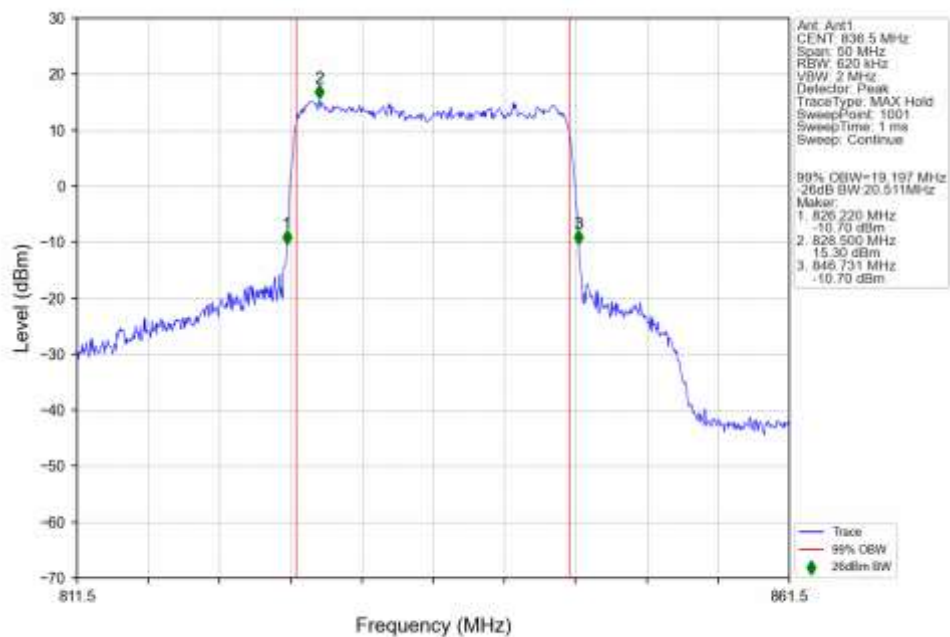
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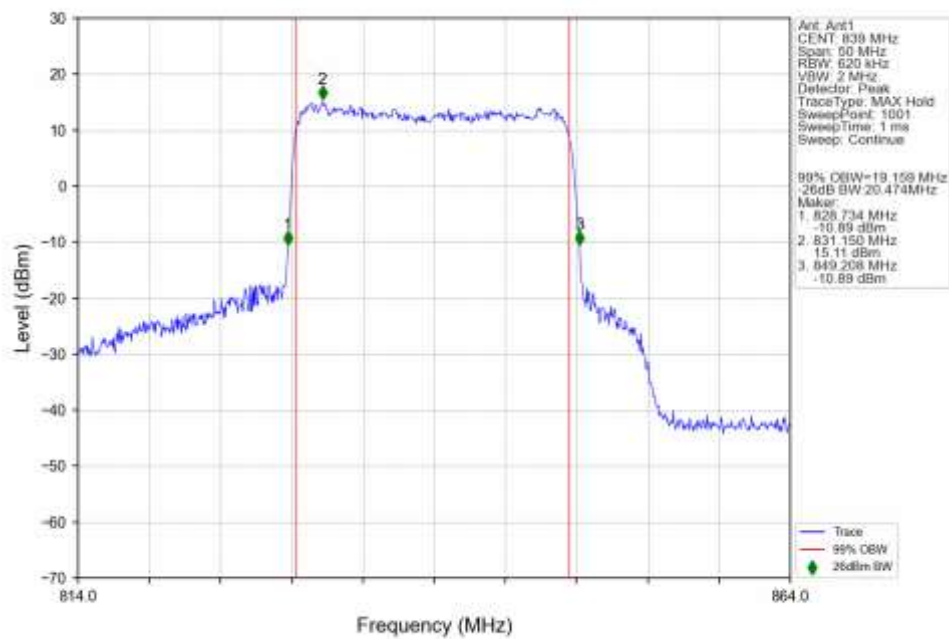
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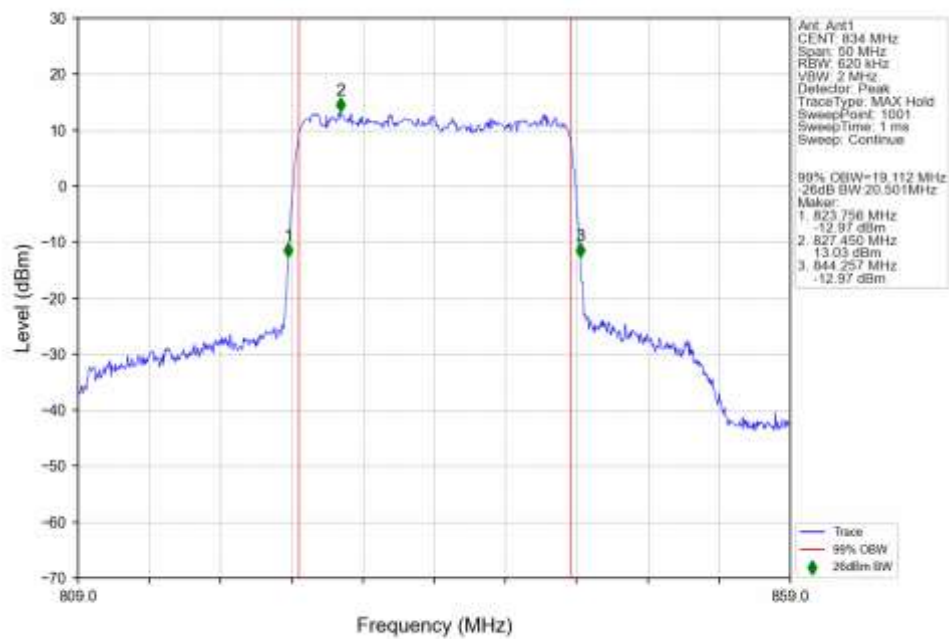
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



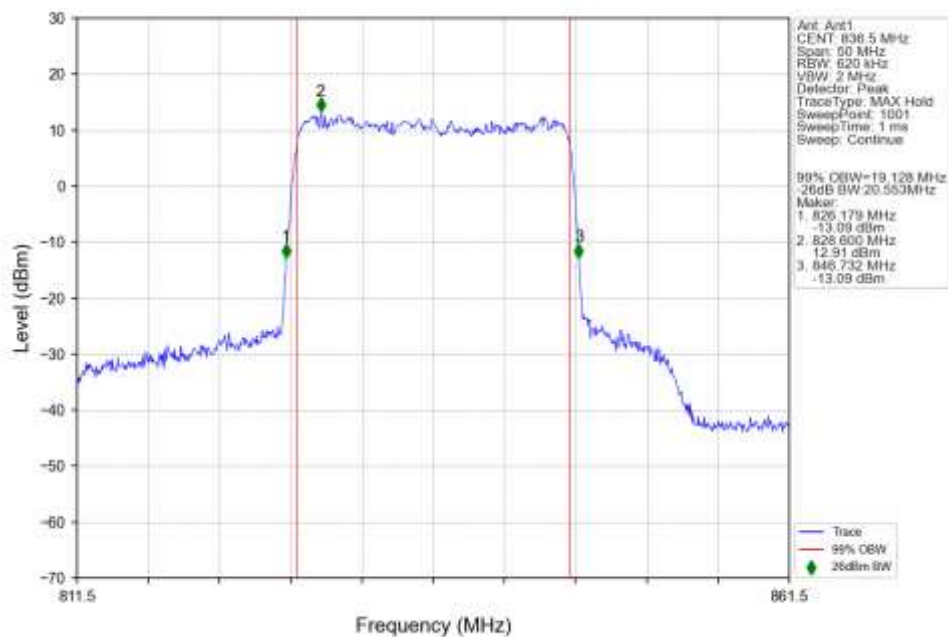
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_839MHz_Outer_Full_Ant1



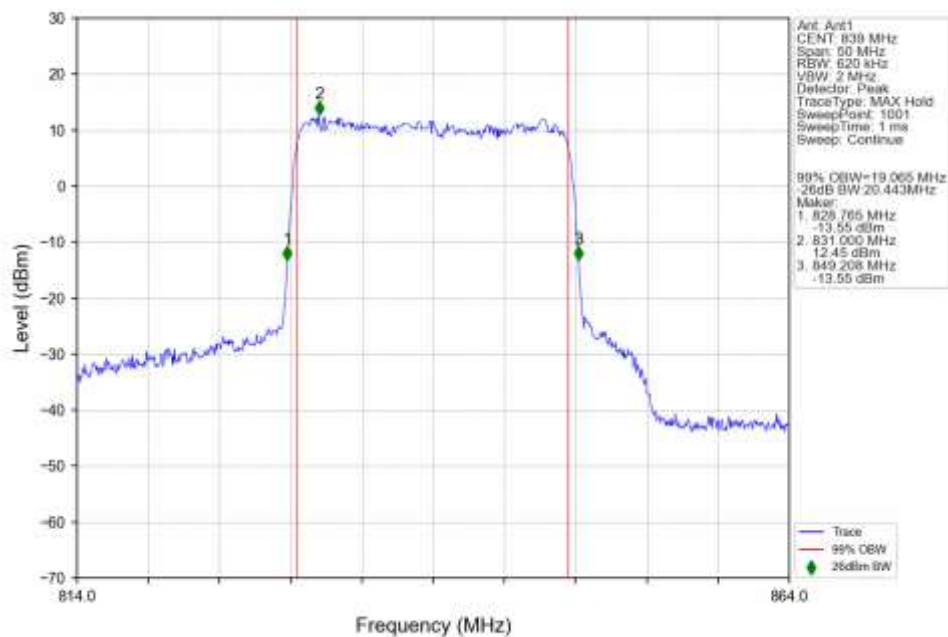
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_834MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1

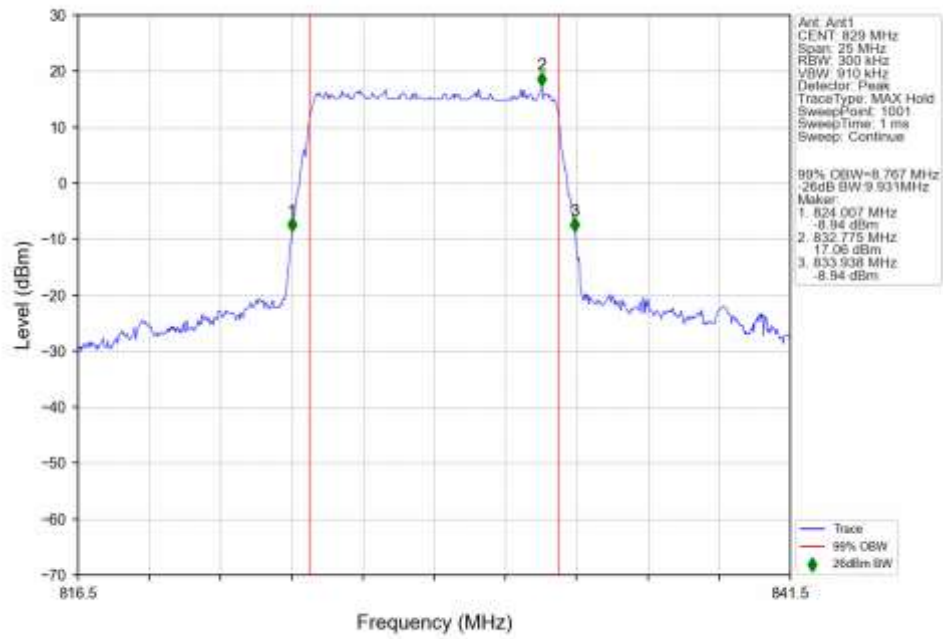


n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_839MHz_Outer_Full_Ant1

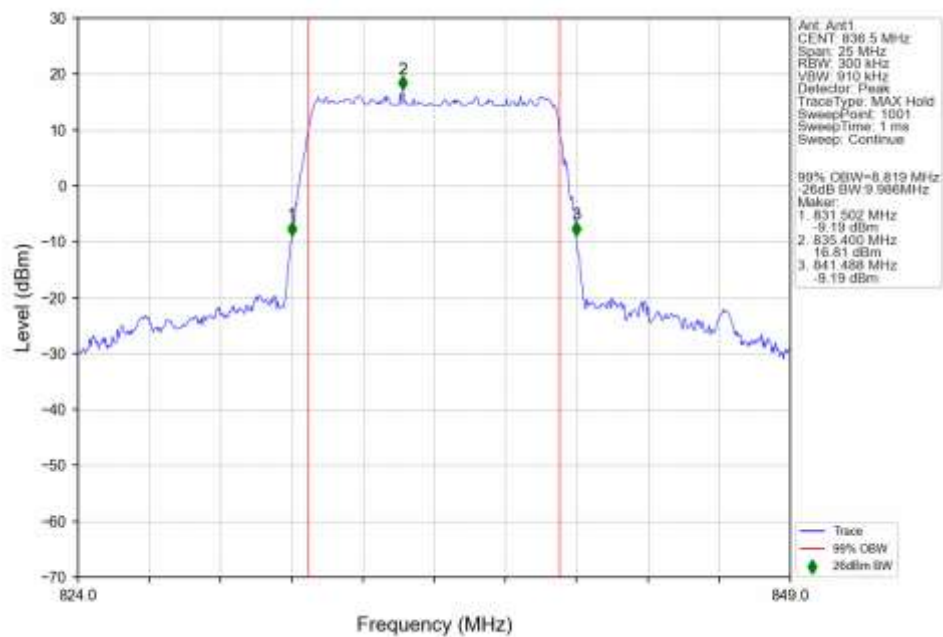


4.2.5 30k_SISO_10MHz_NTNV

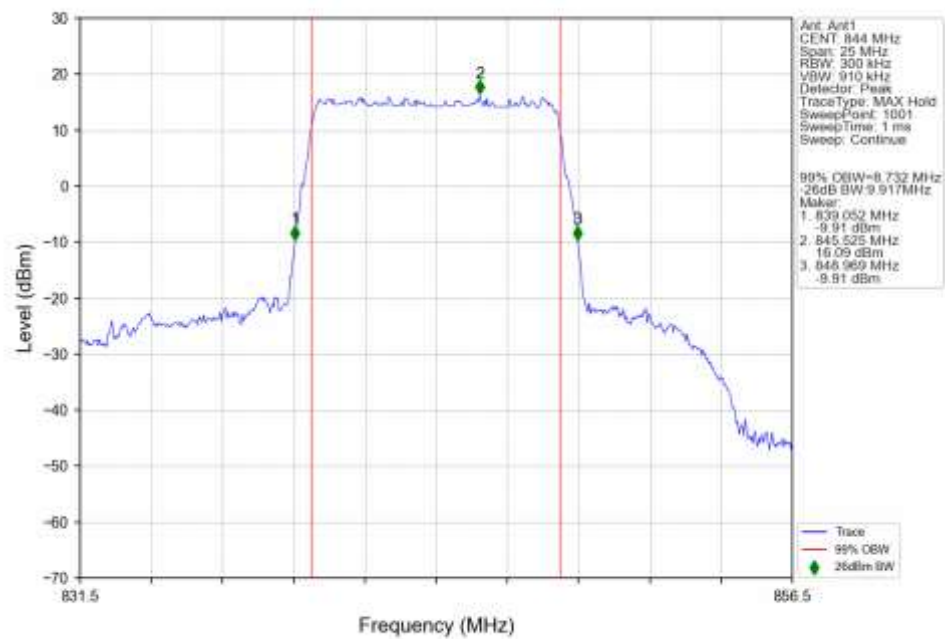
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_829MHz_Outer_Full_Ant1



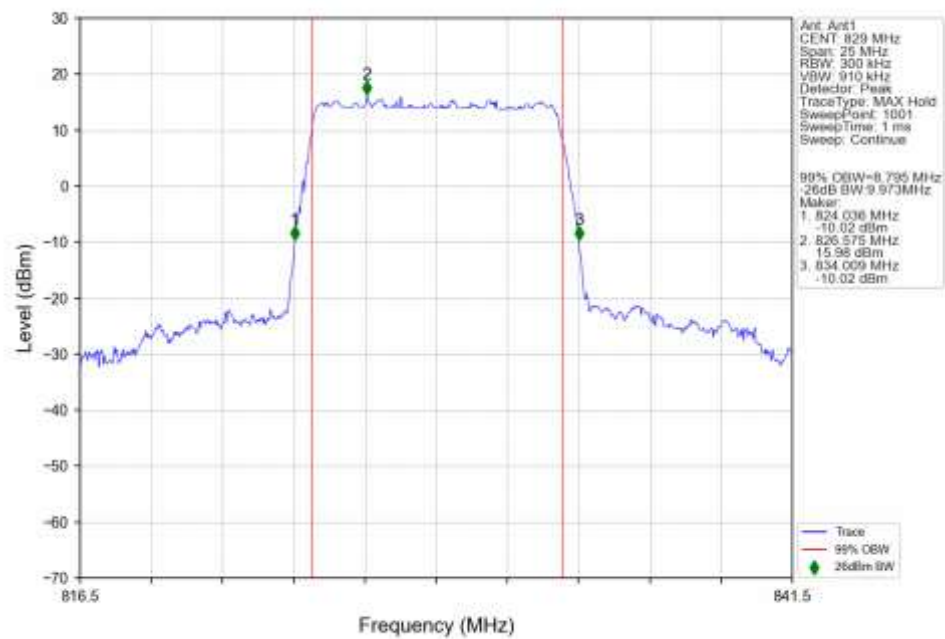
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full Ant1



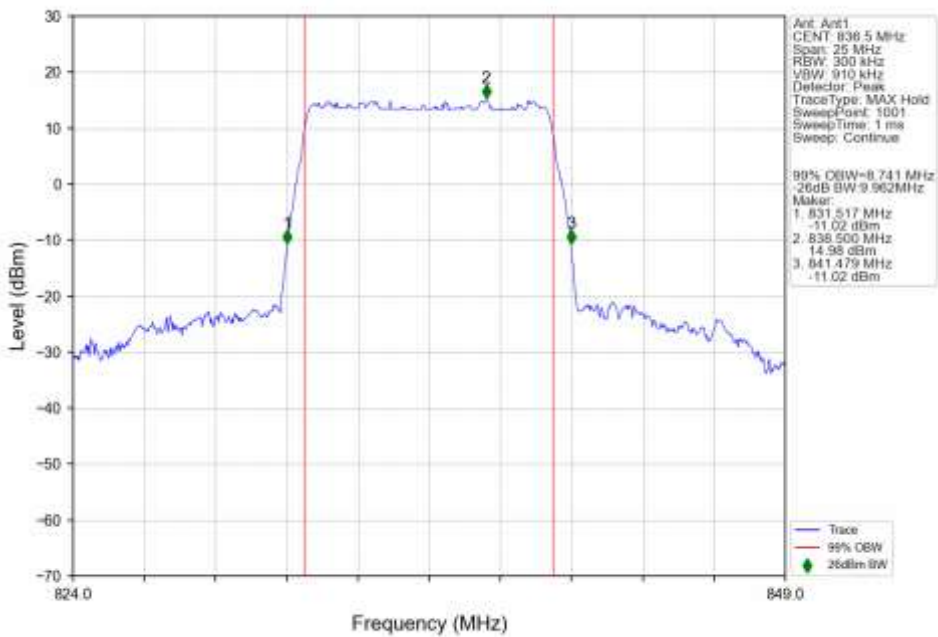
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full_Ant1



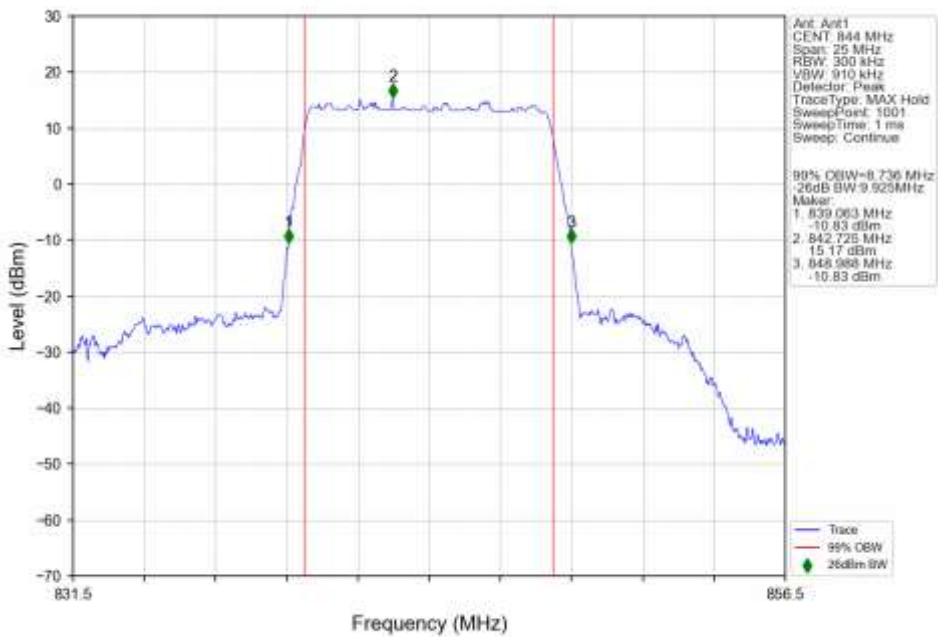
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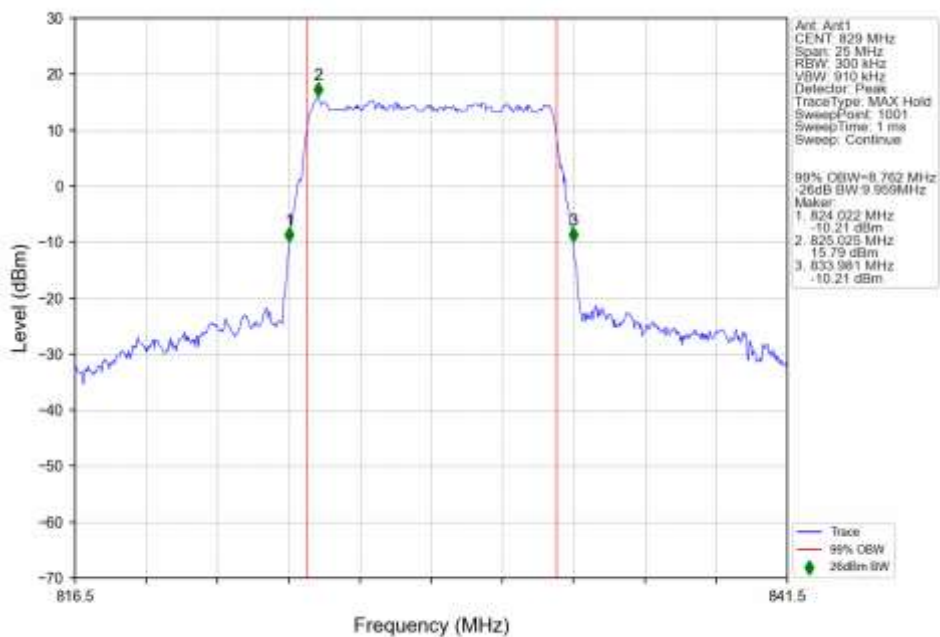
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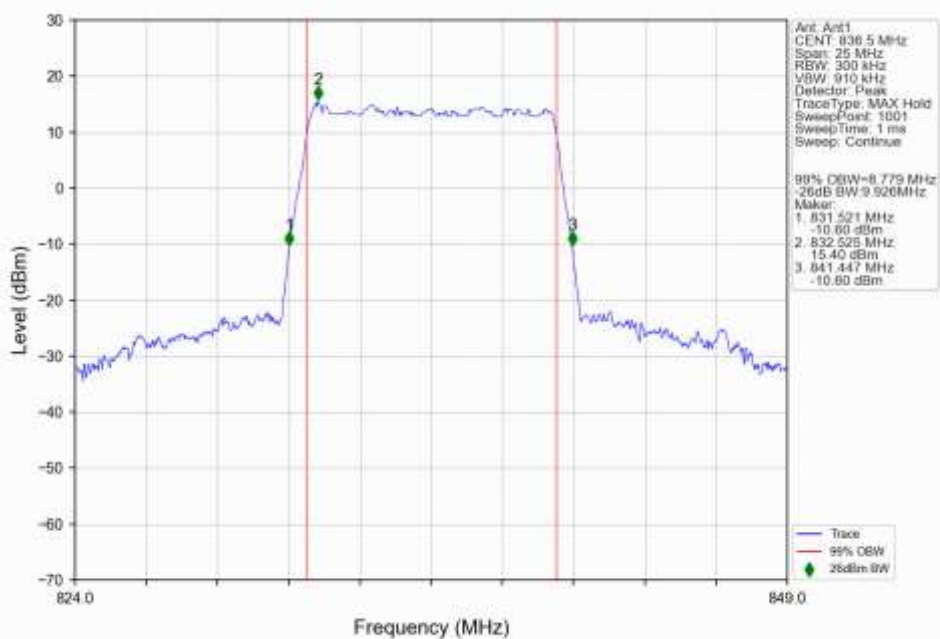
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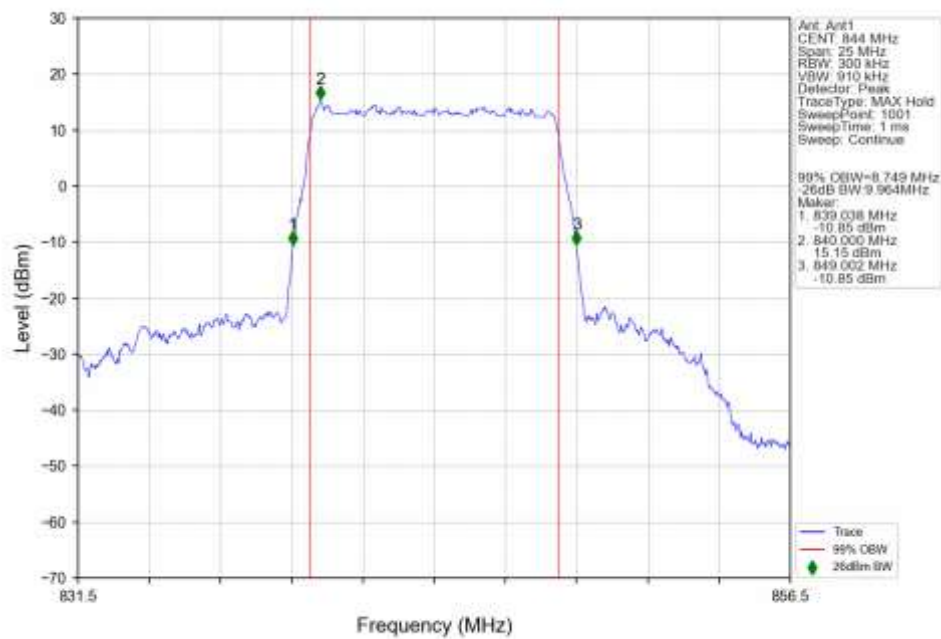
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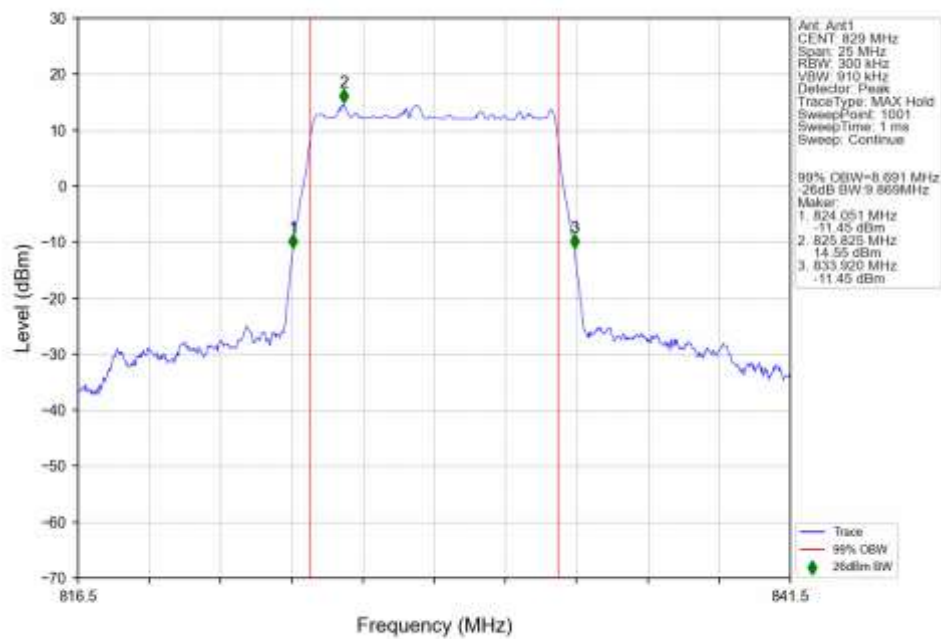
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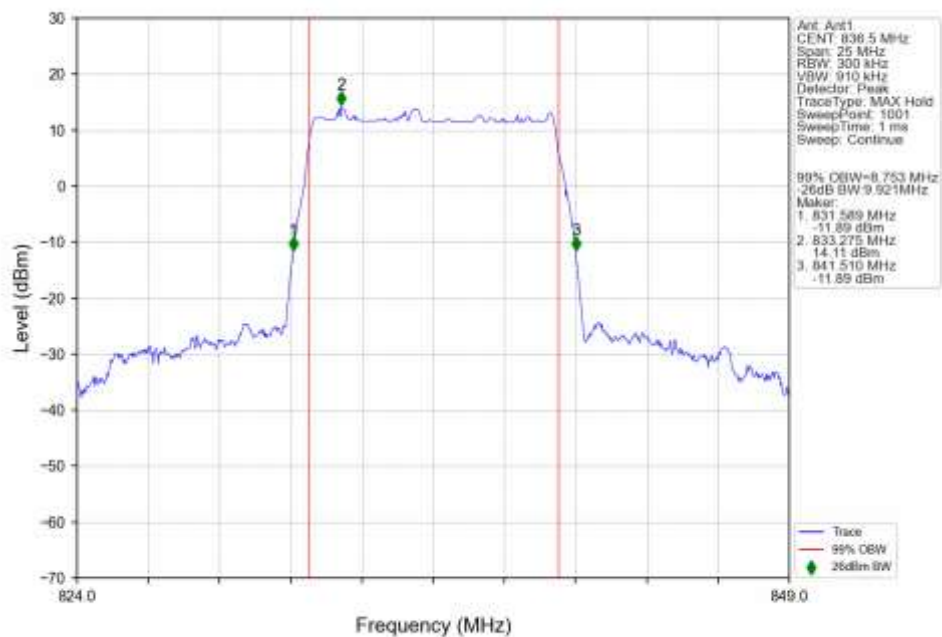
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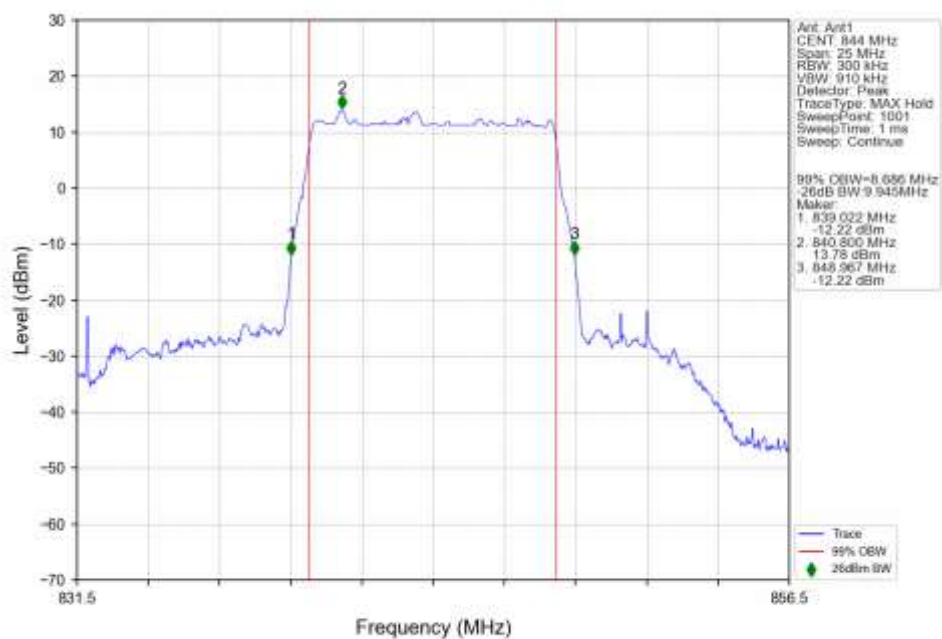
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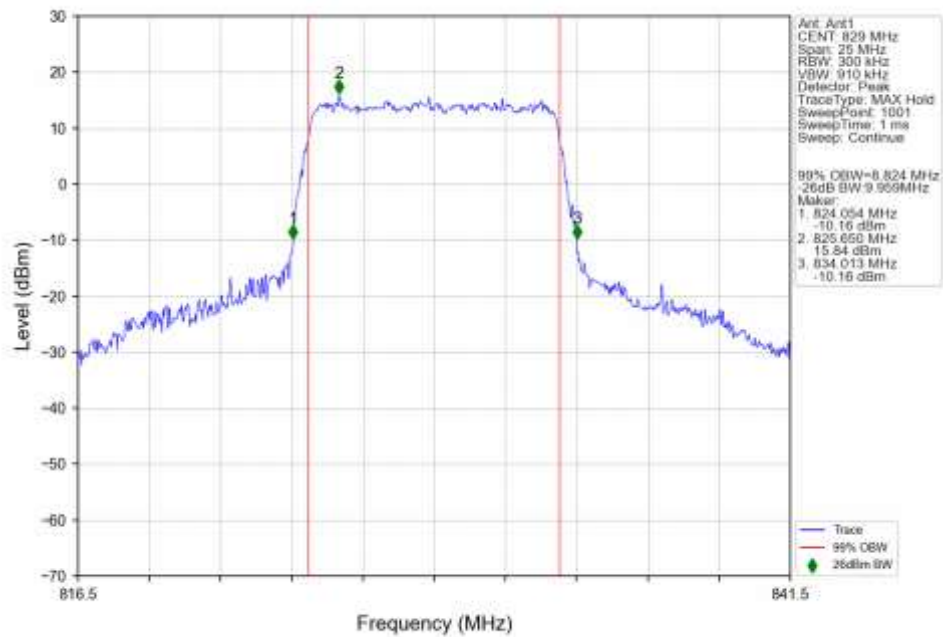
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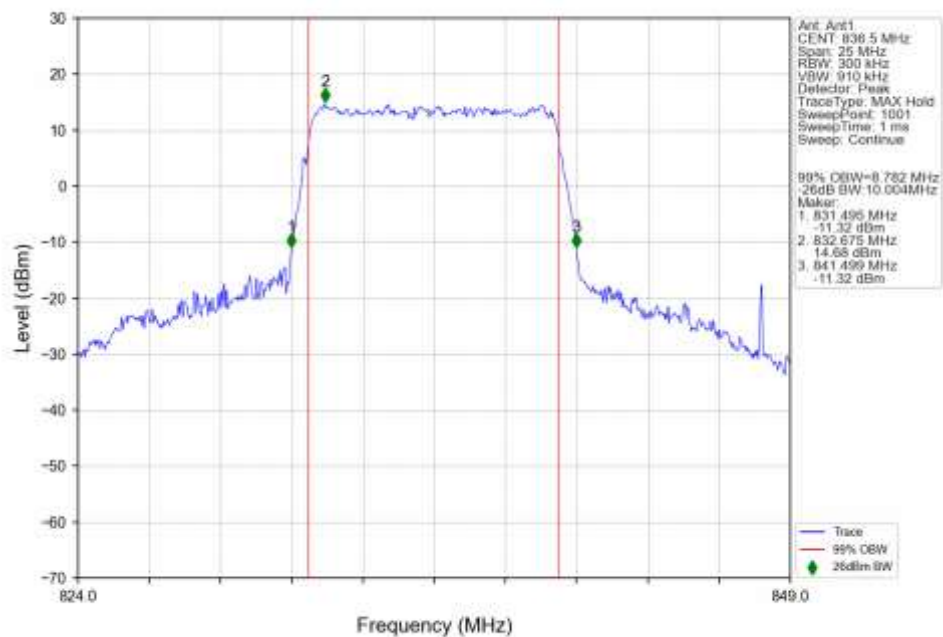
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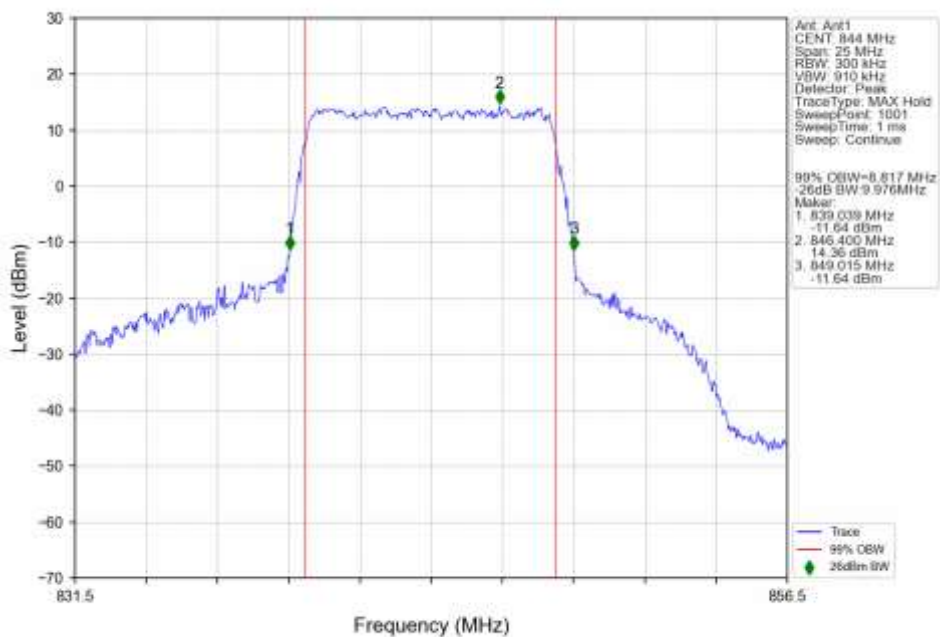
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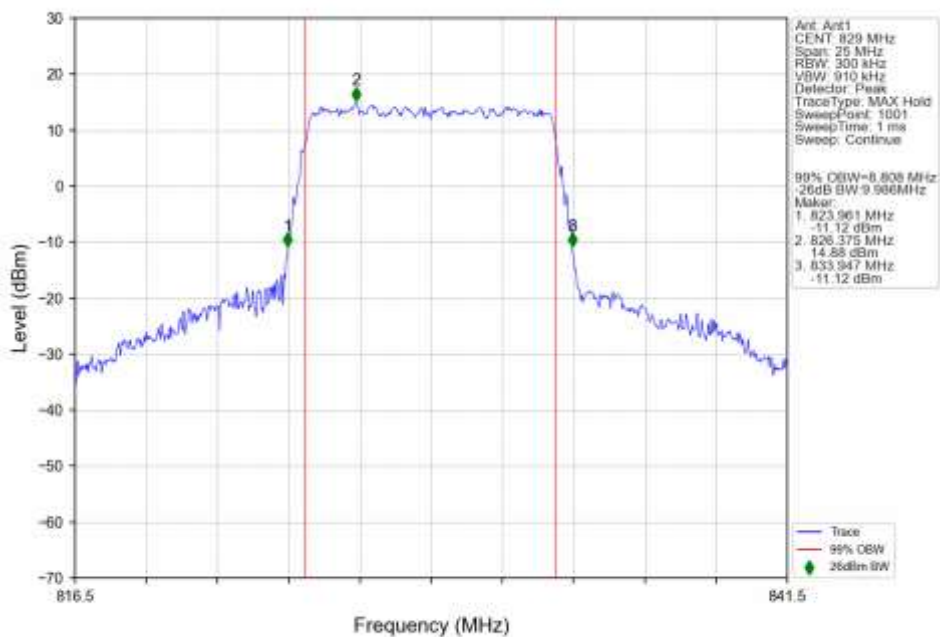
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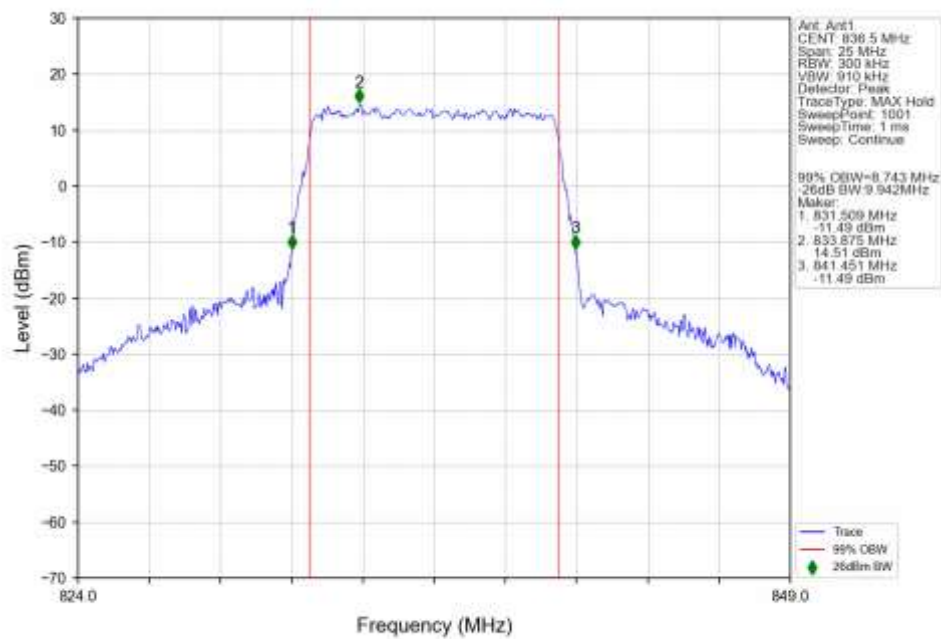
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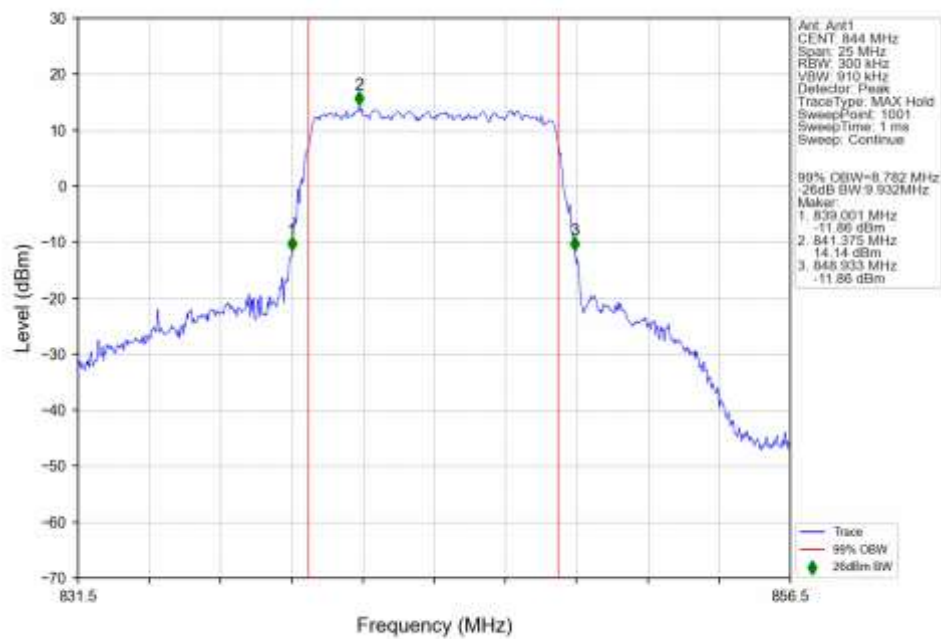
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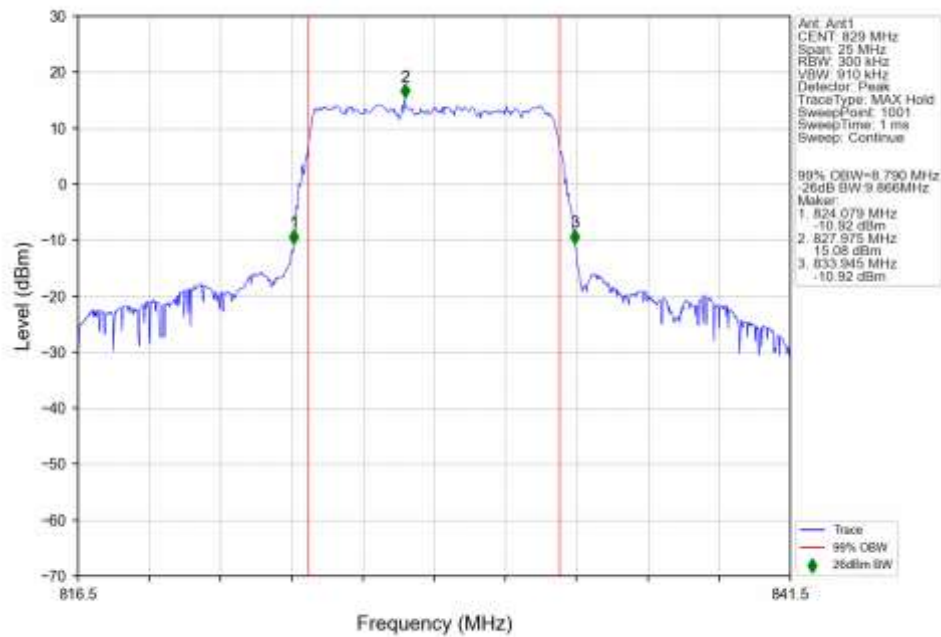
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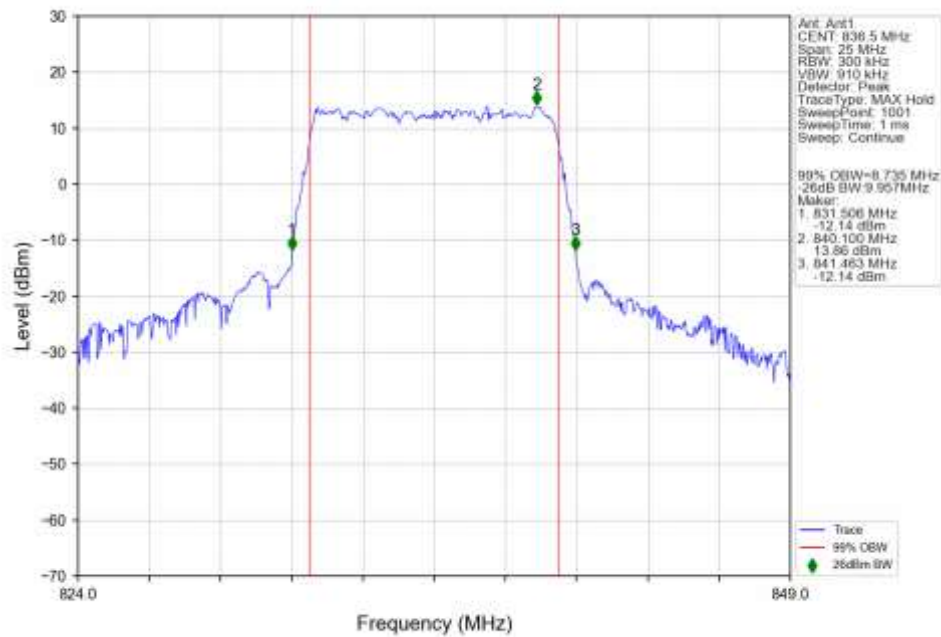
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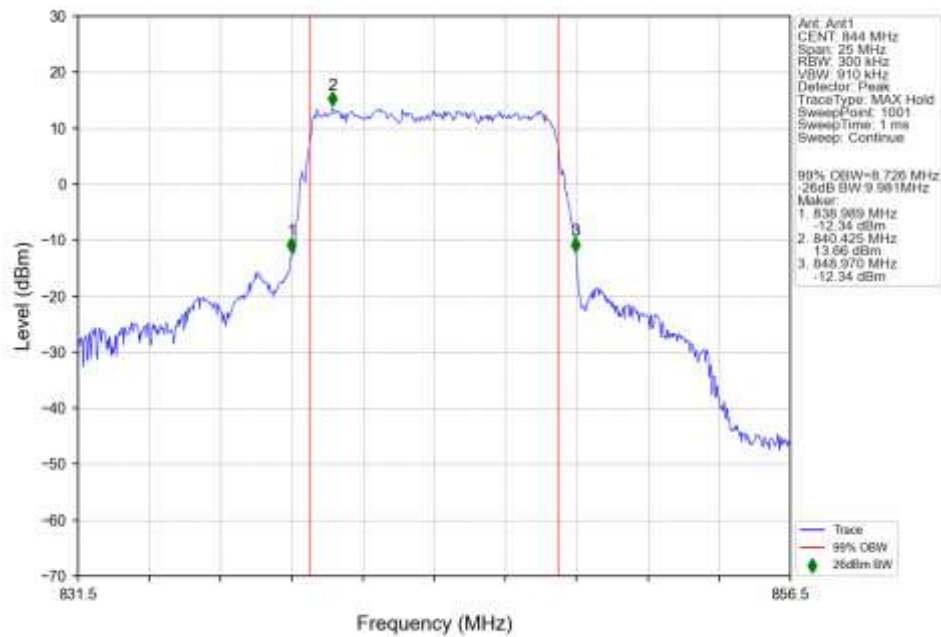
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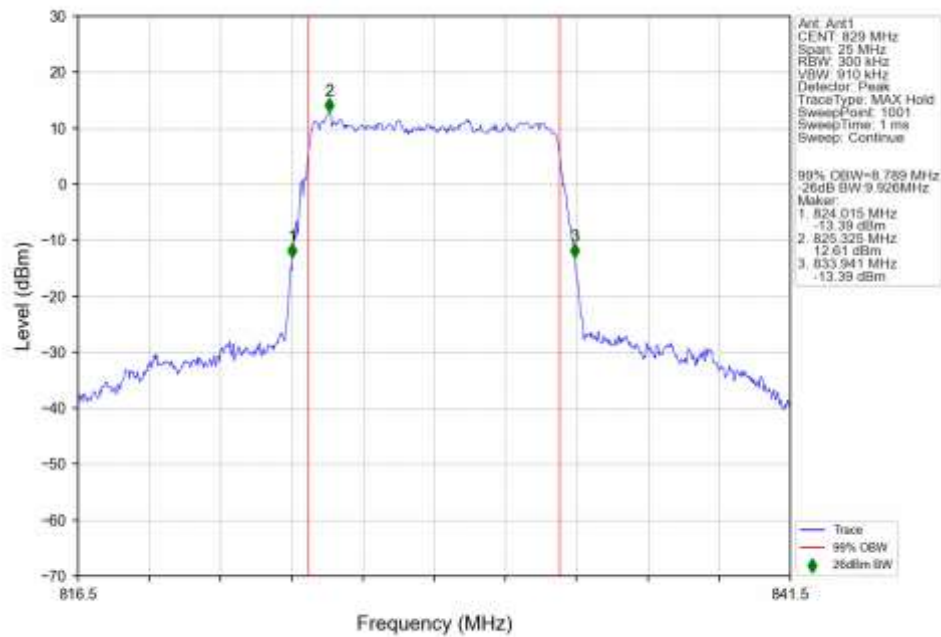
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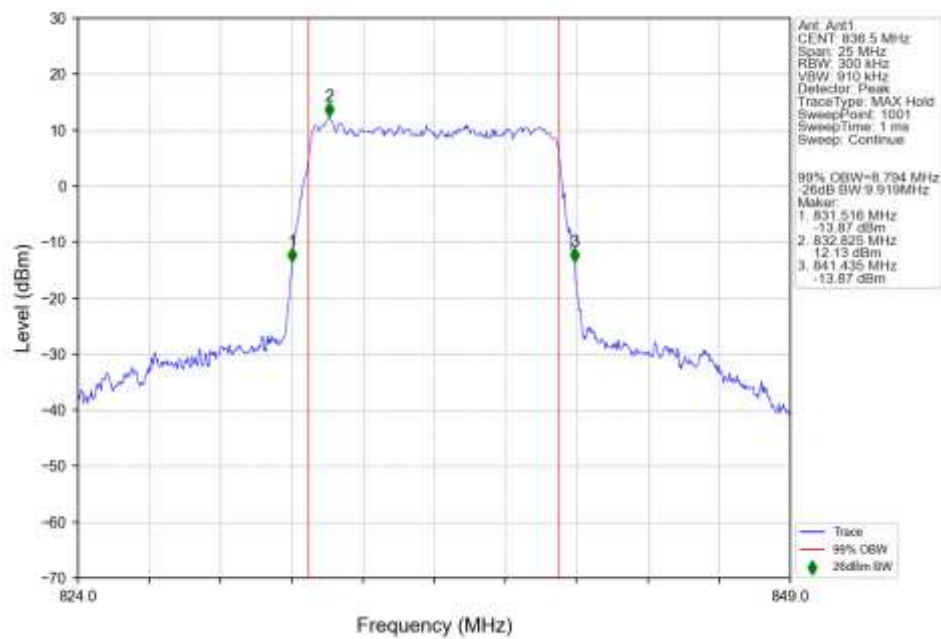
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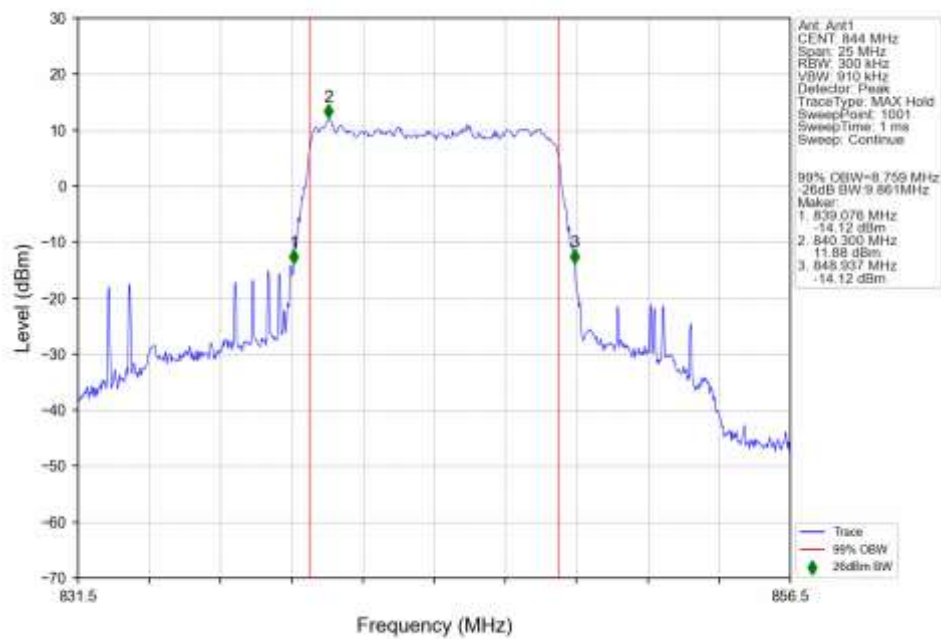
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n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1

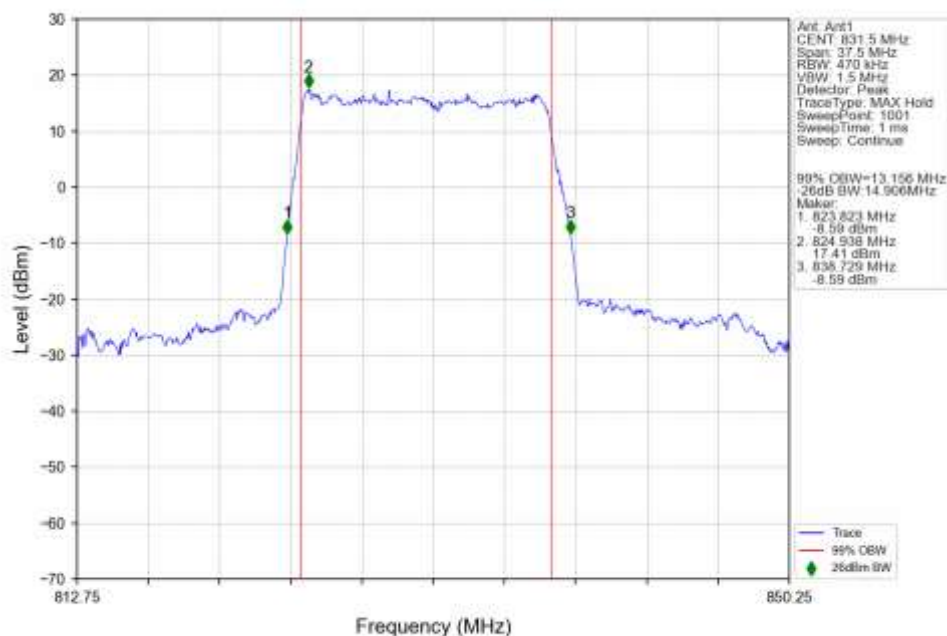


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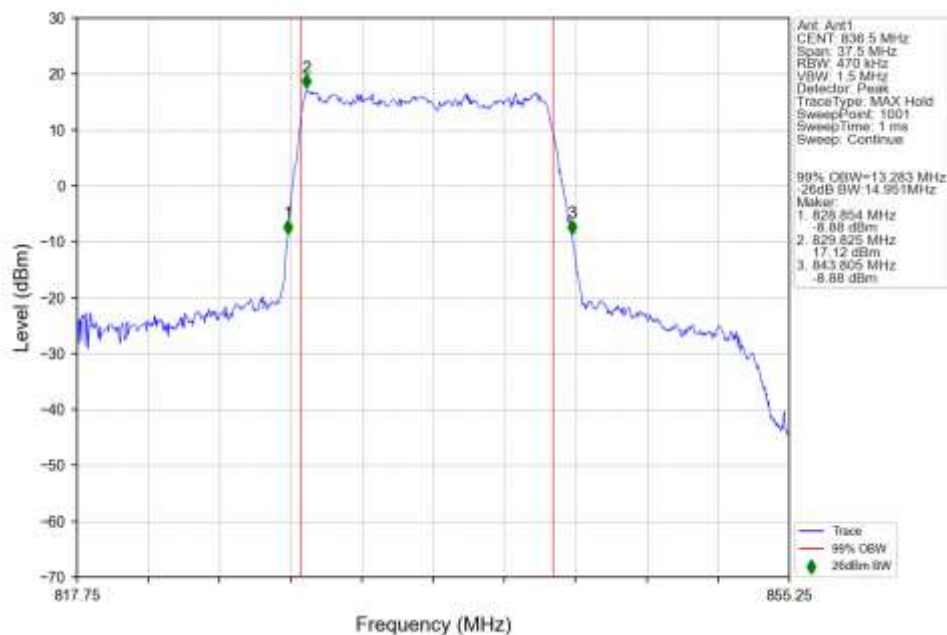


4.2.6 30k_SISO_15MHz_NTNV

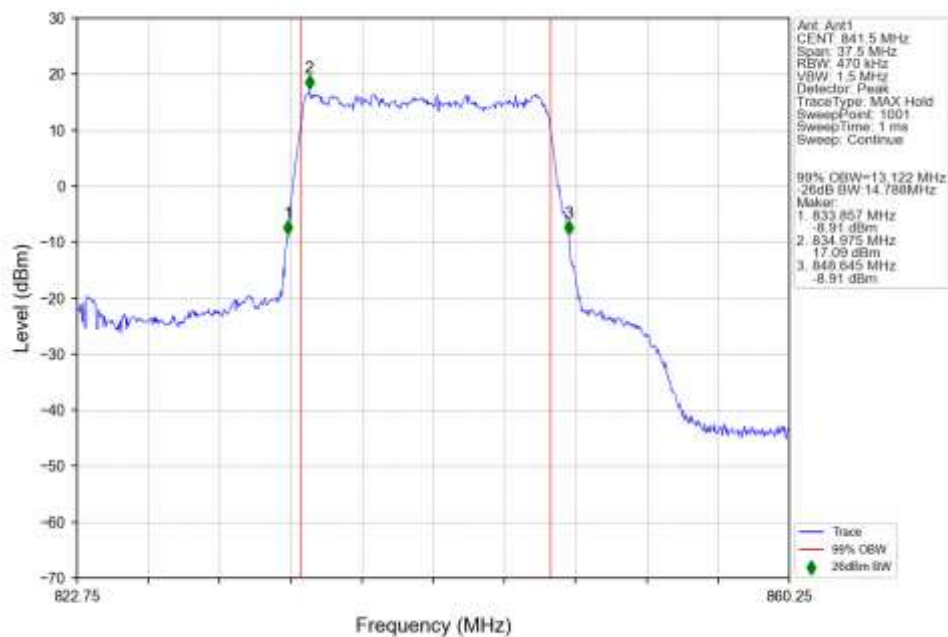
n5_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_831.5MHz_Outer_Full_Ant1



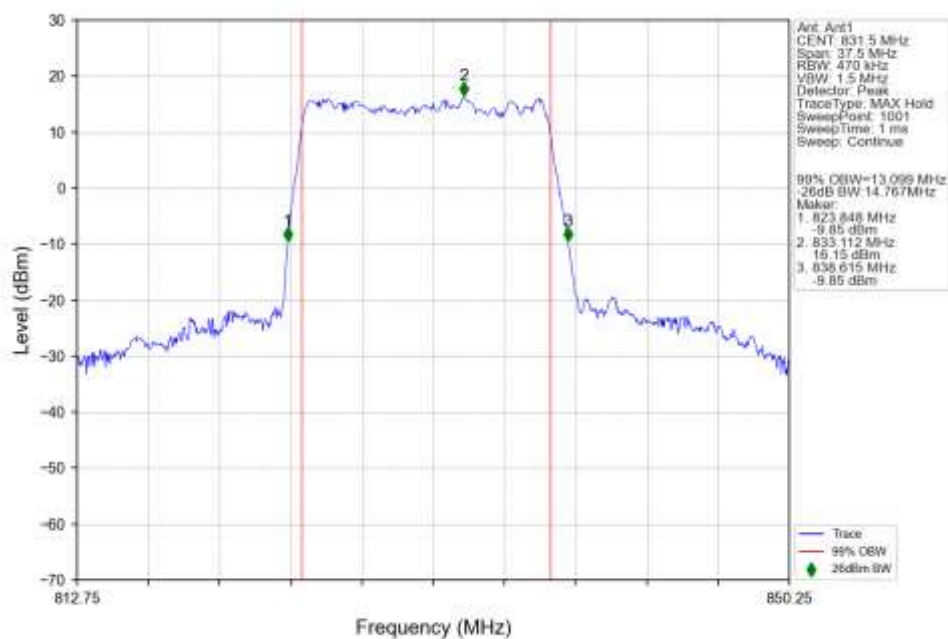
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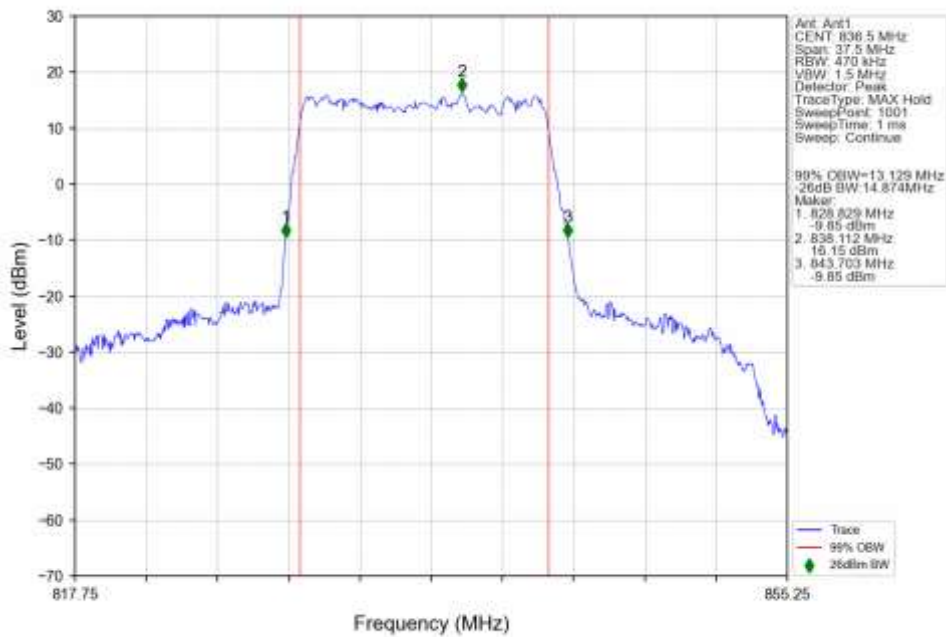
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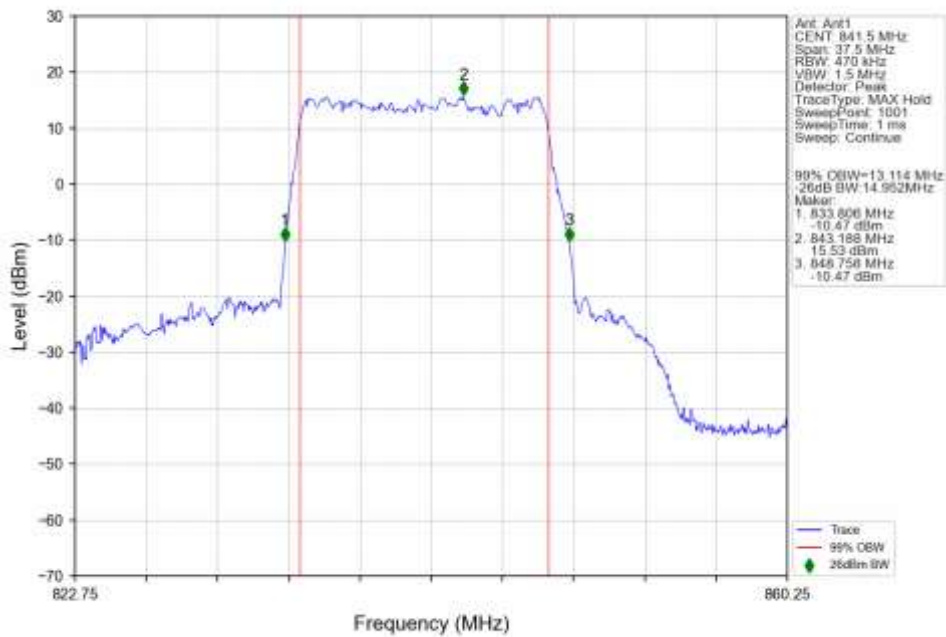
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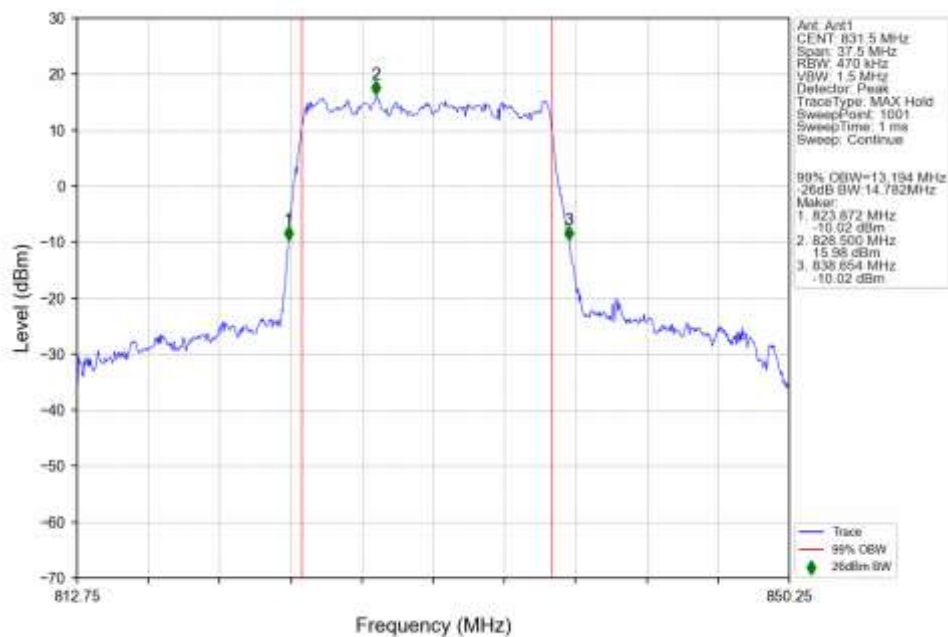
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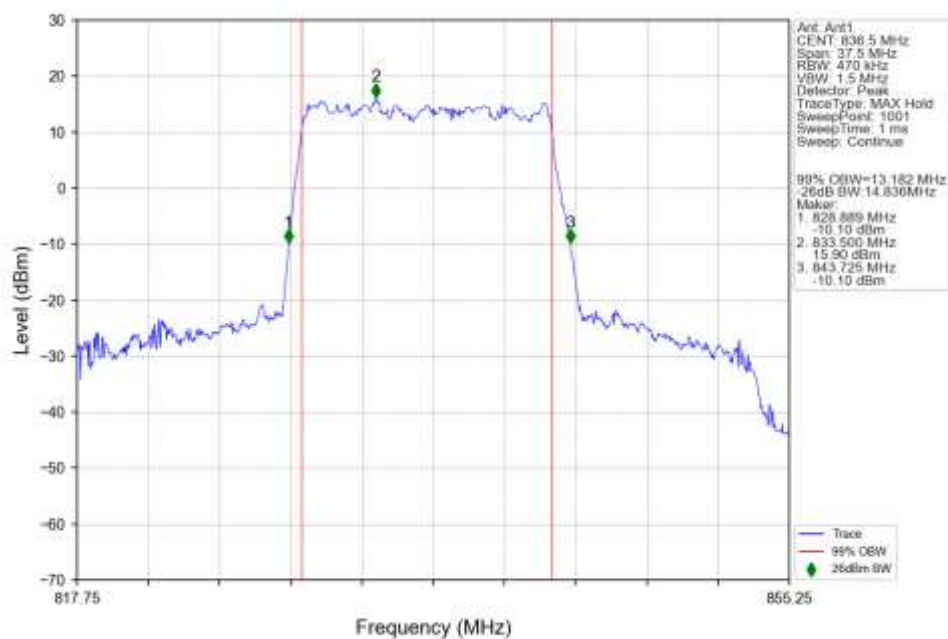
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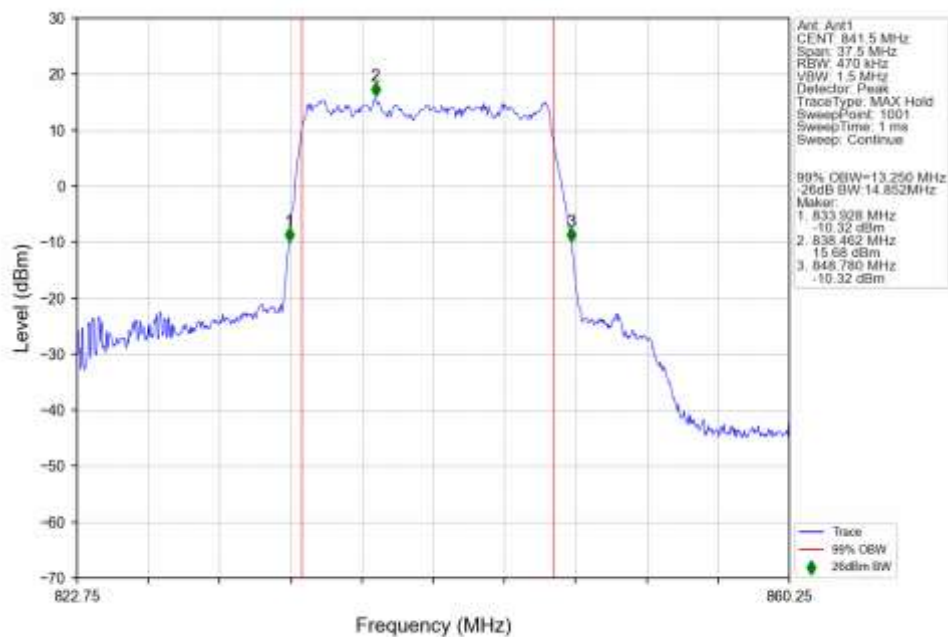
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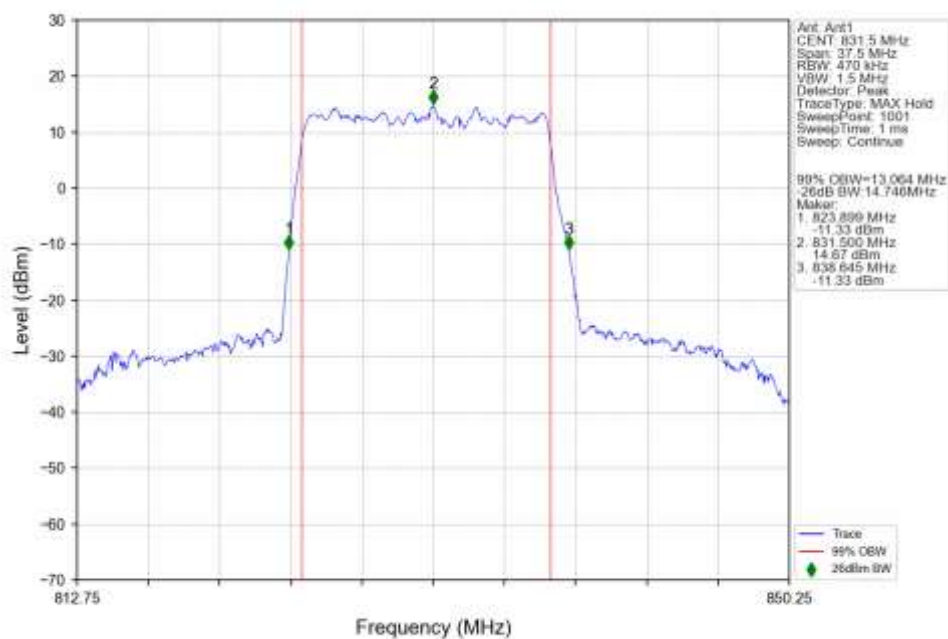
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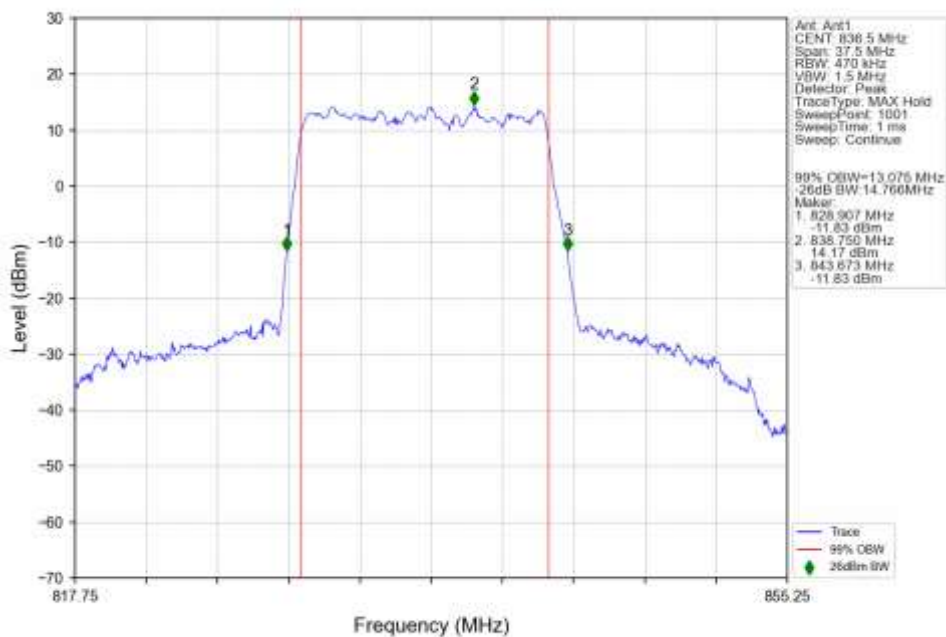
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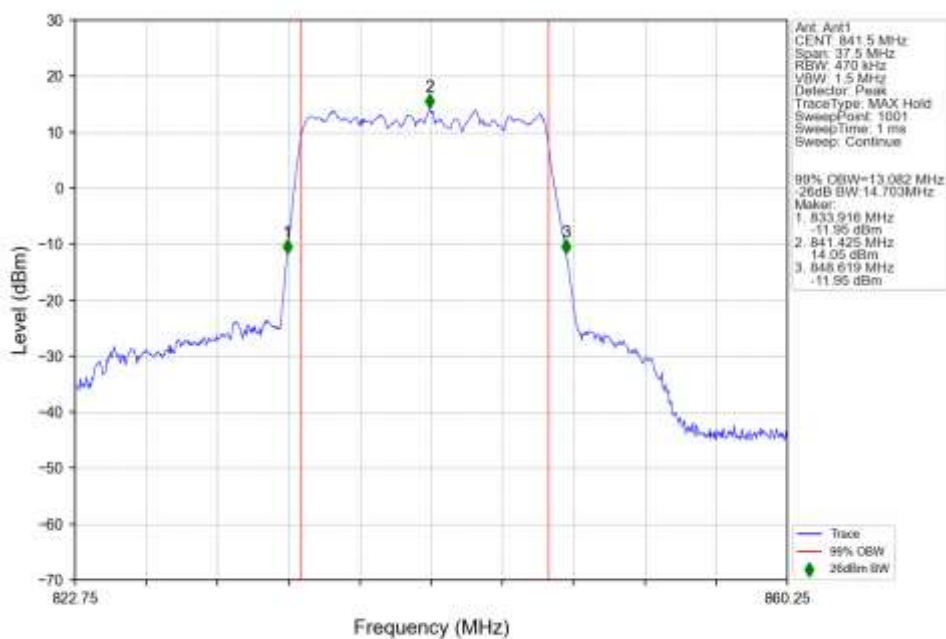
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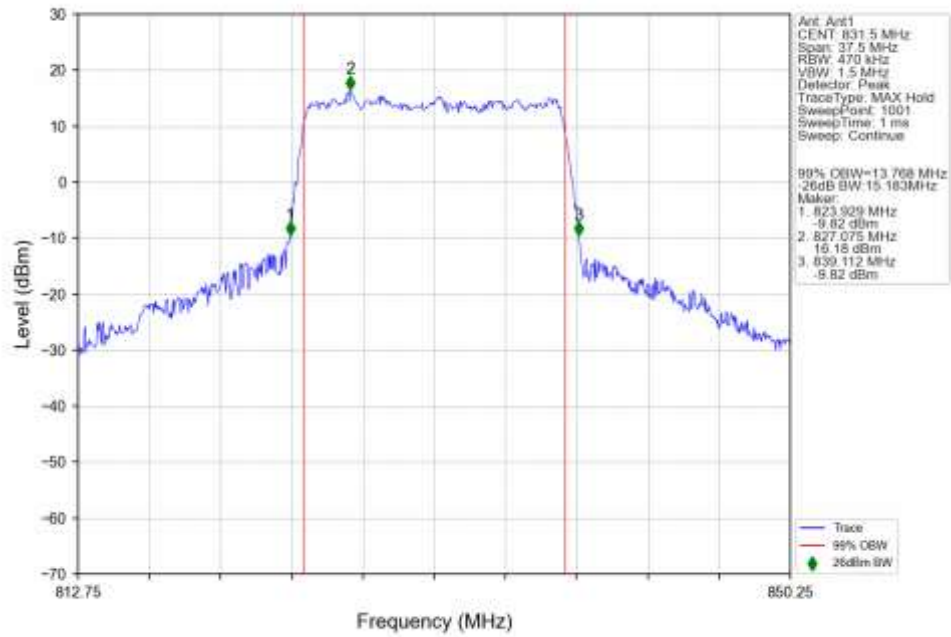
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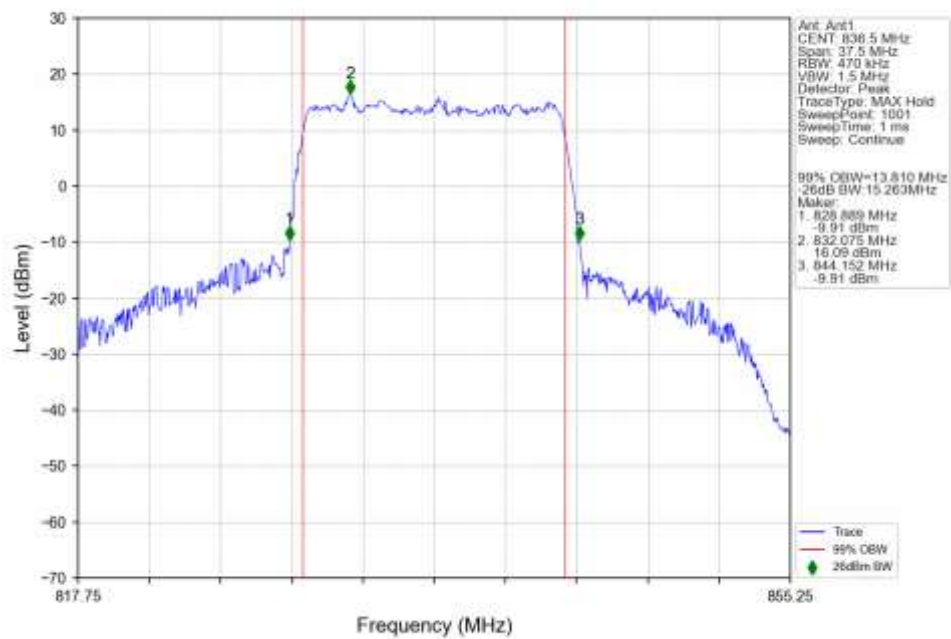
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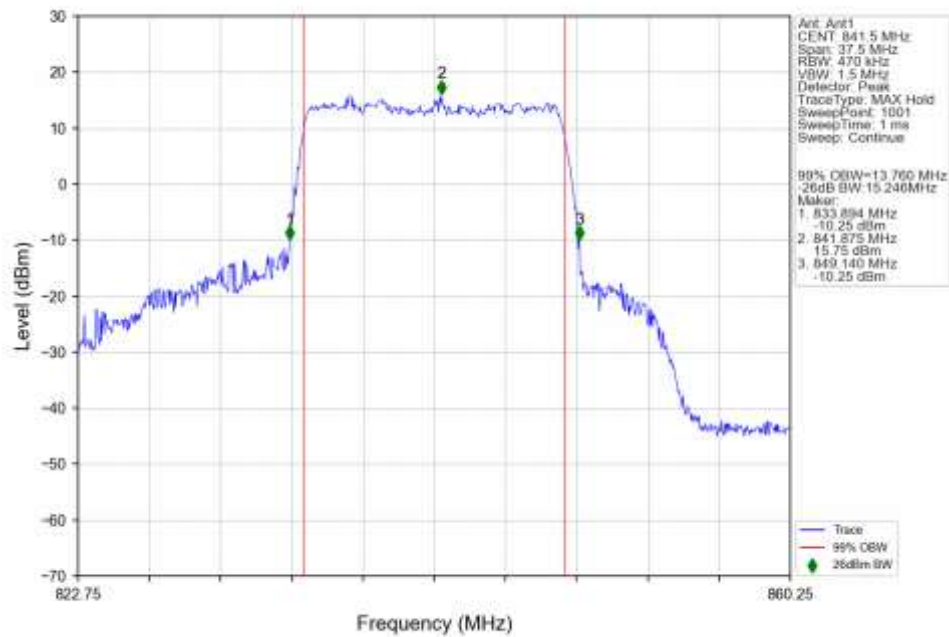
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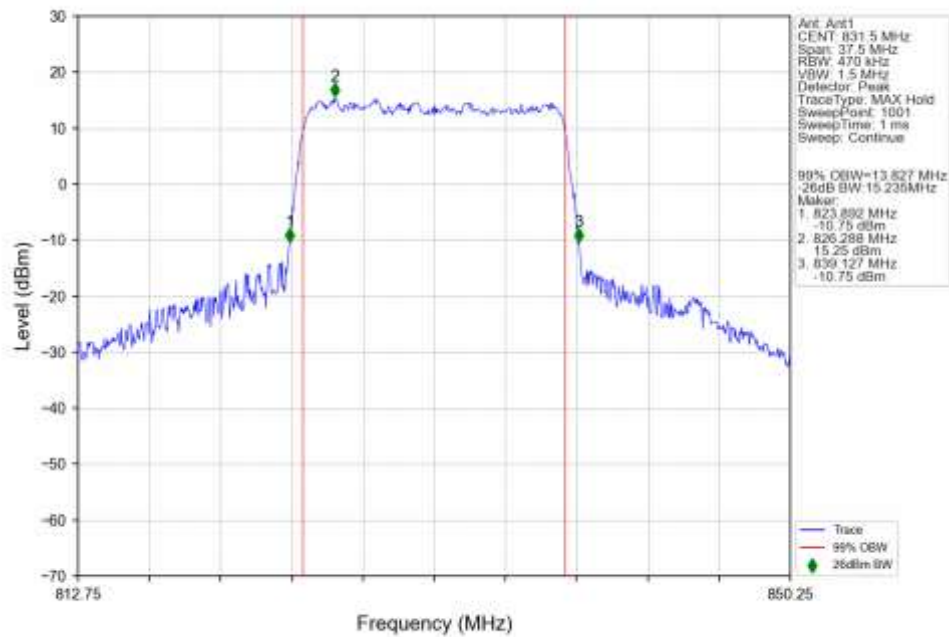
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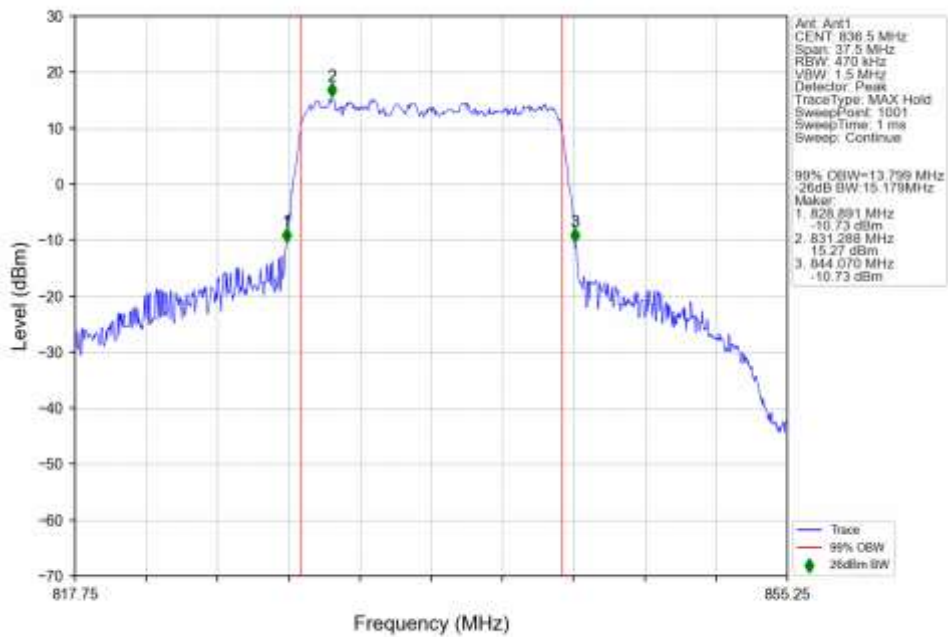
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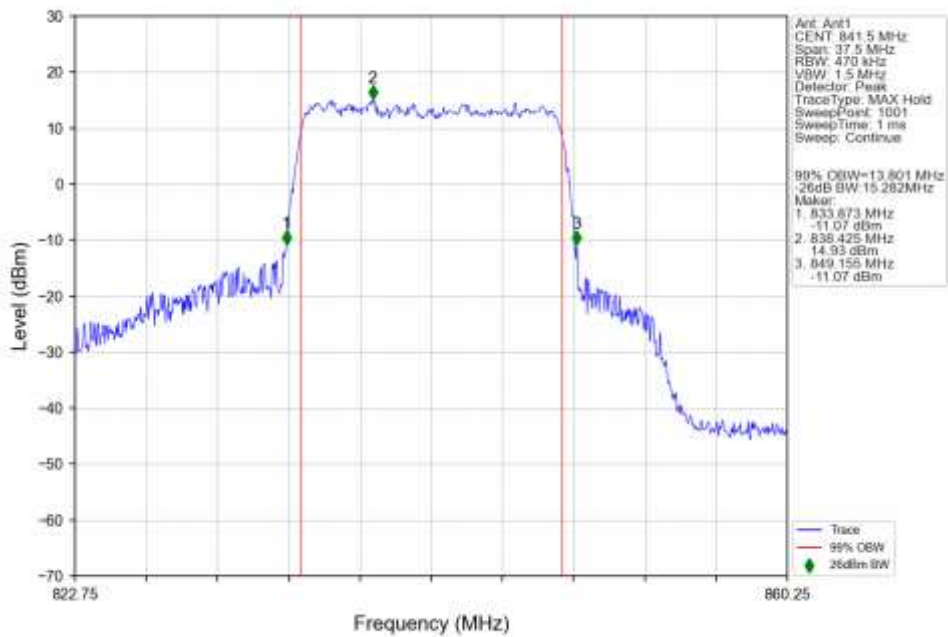
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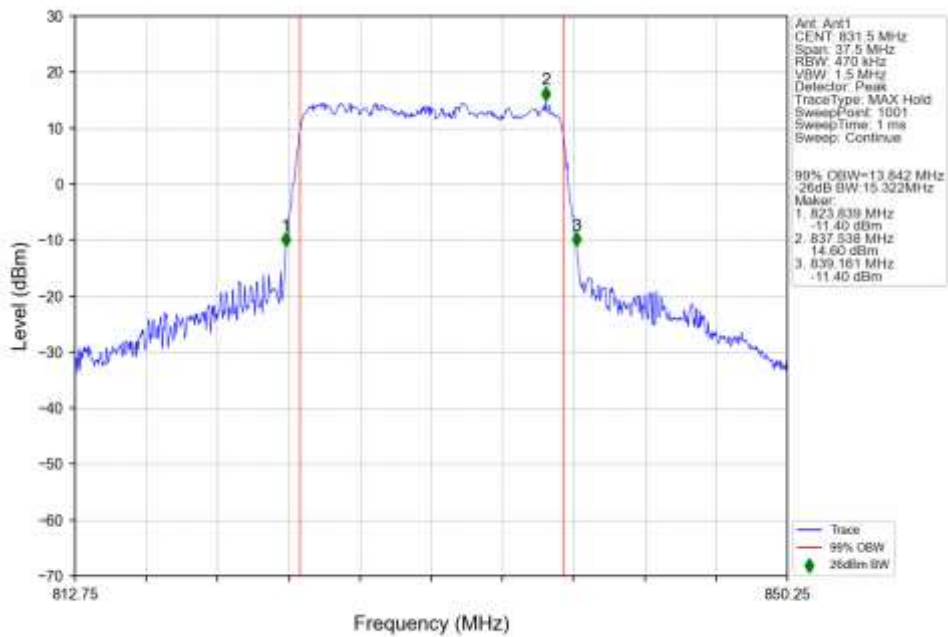
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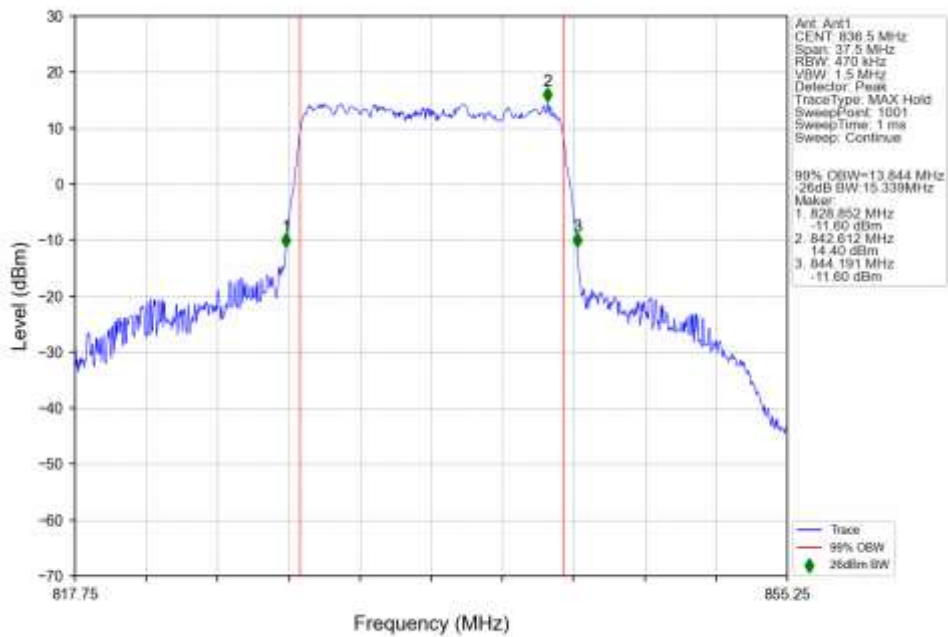
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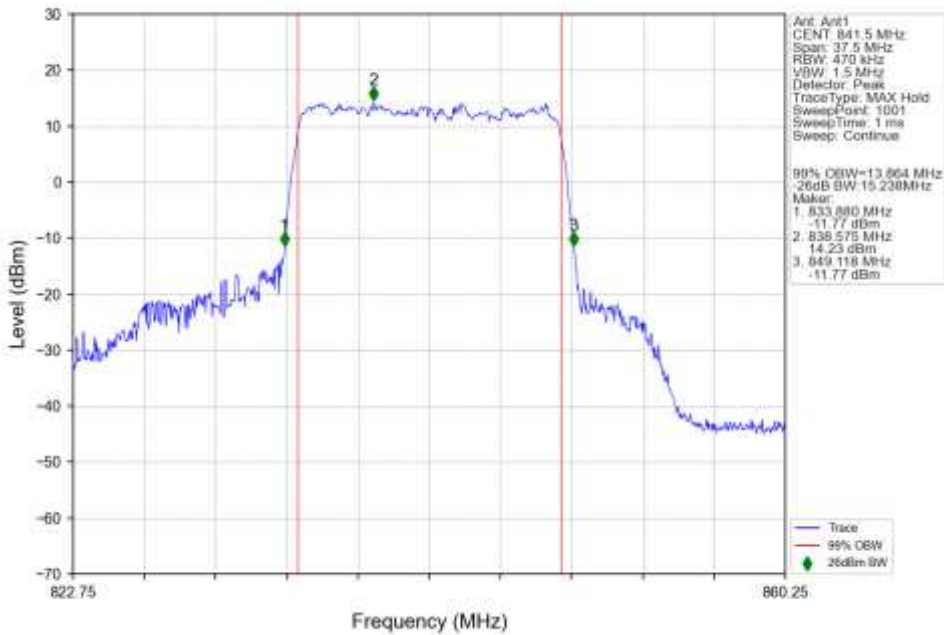
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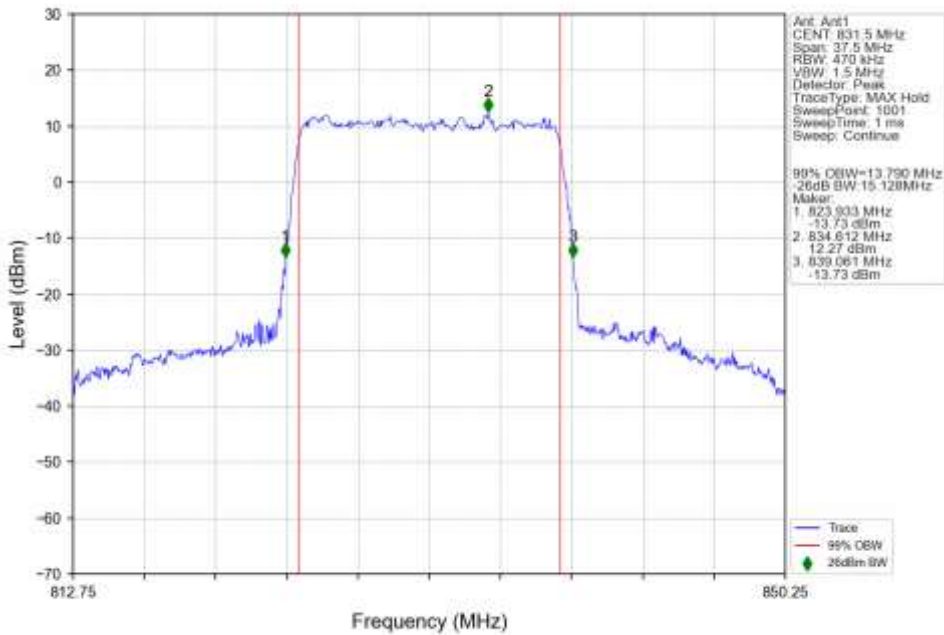
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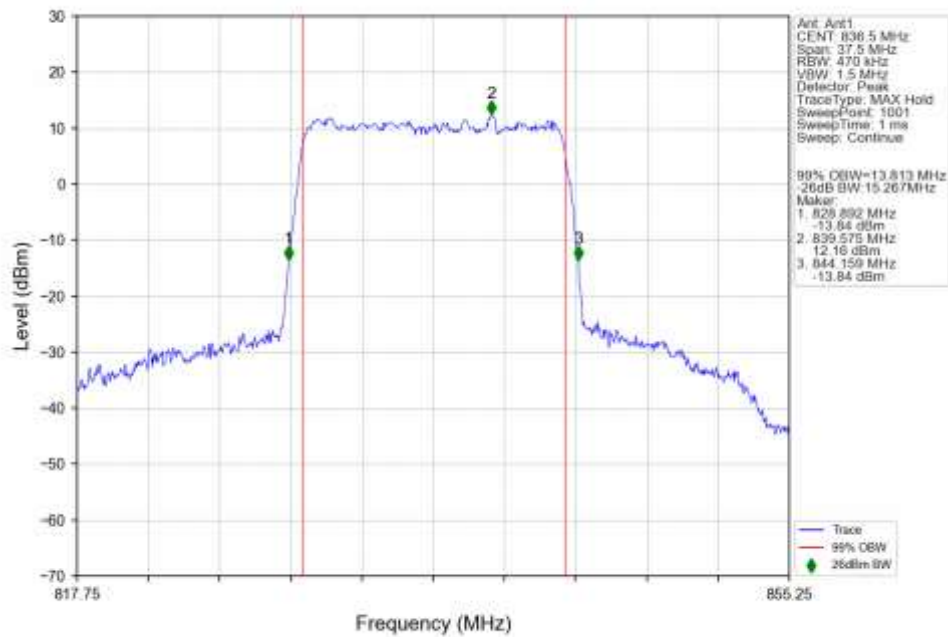
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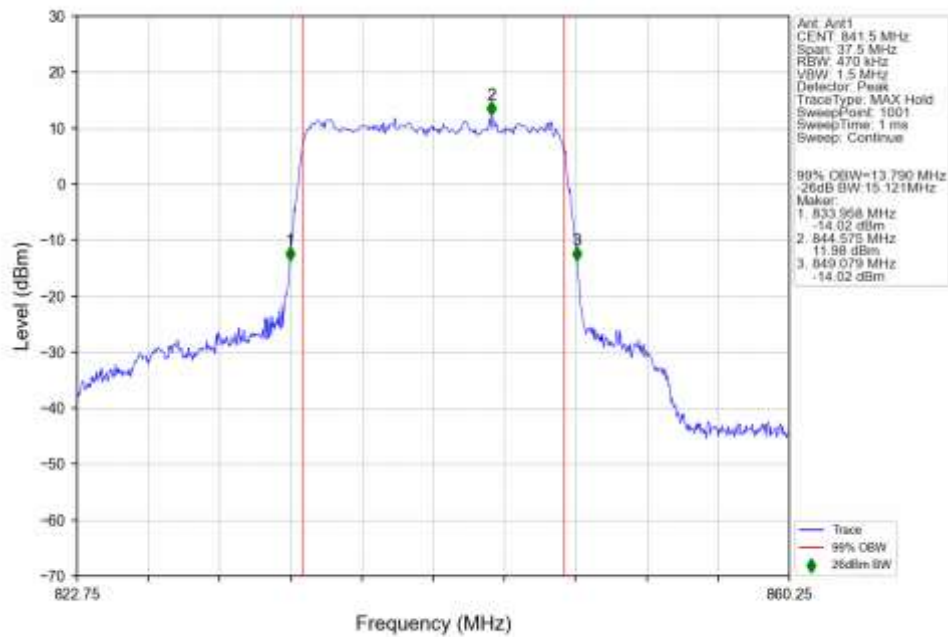
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n5_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1

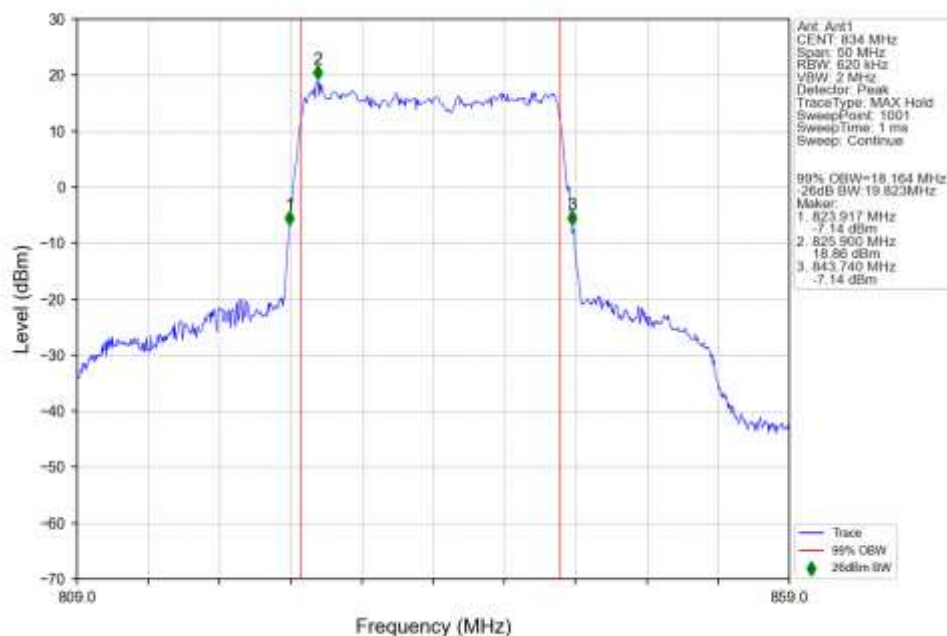


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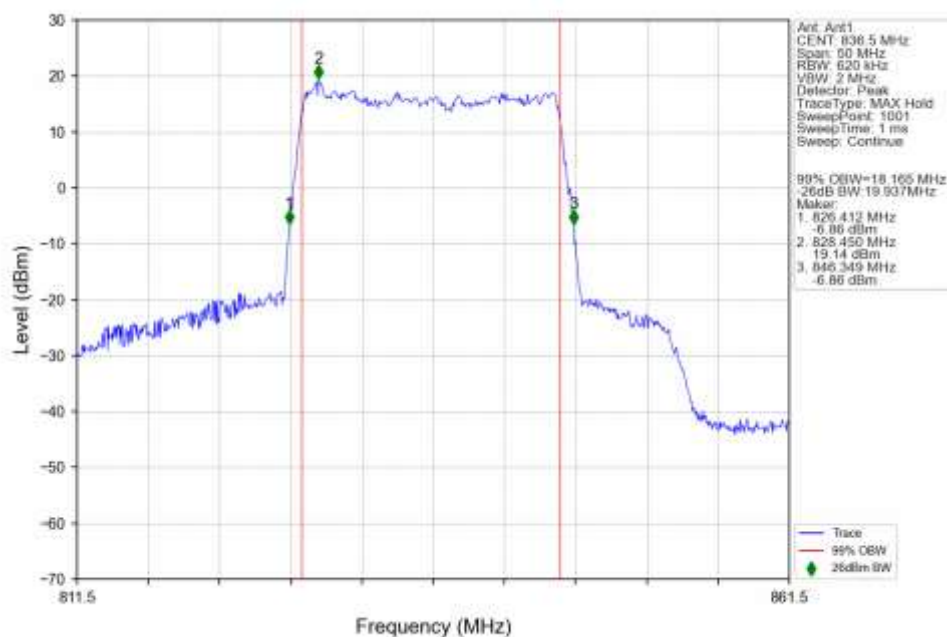


4.2.7 30k_SISO_20MHz_NTNV

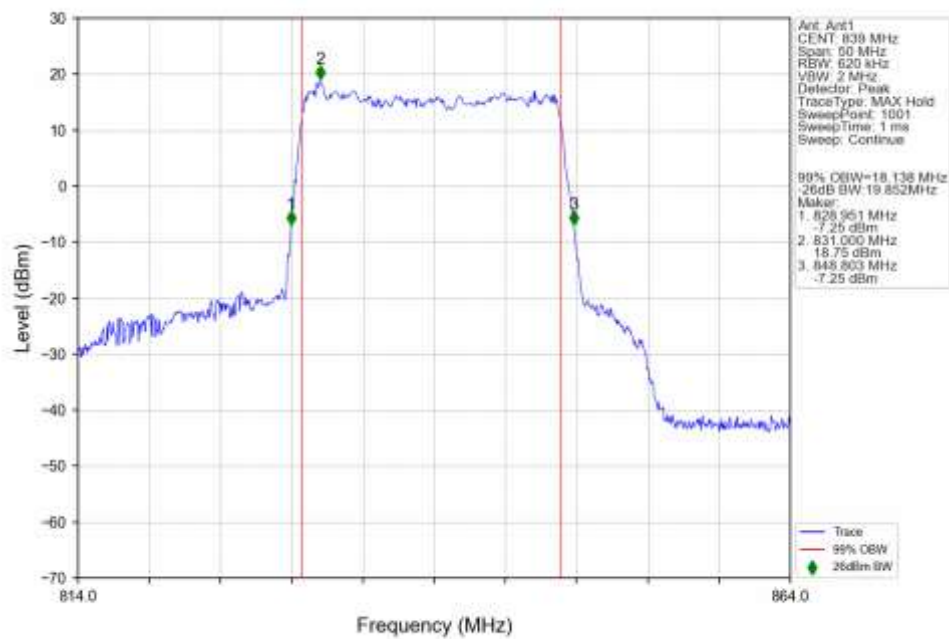
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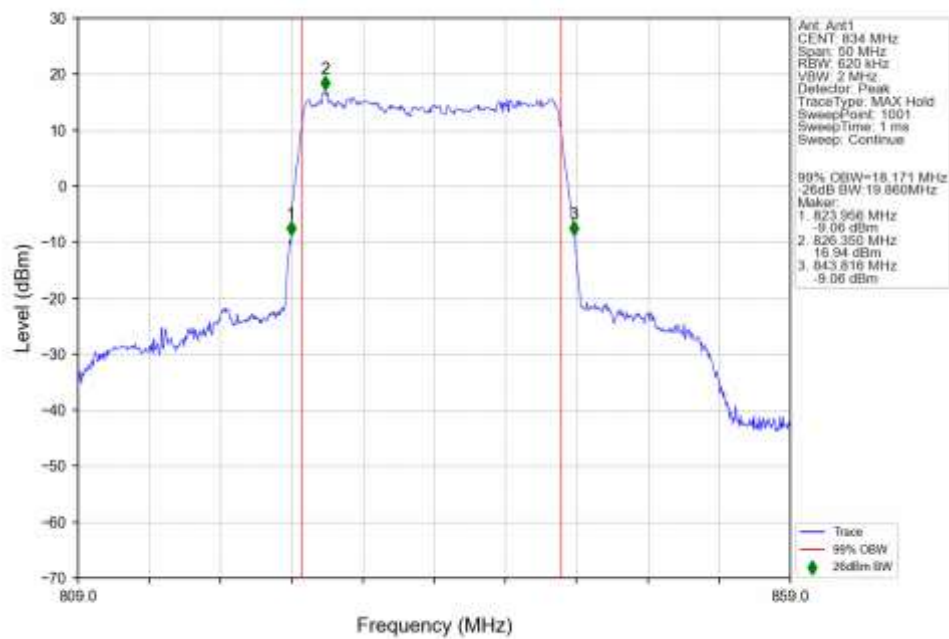
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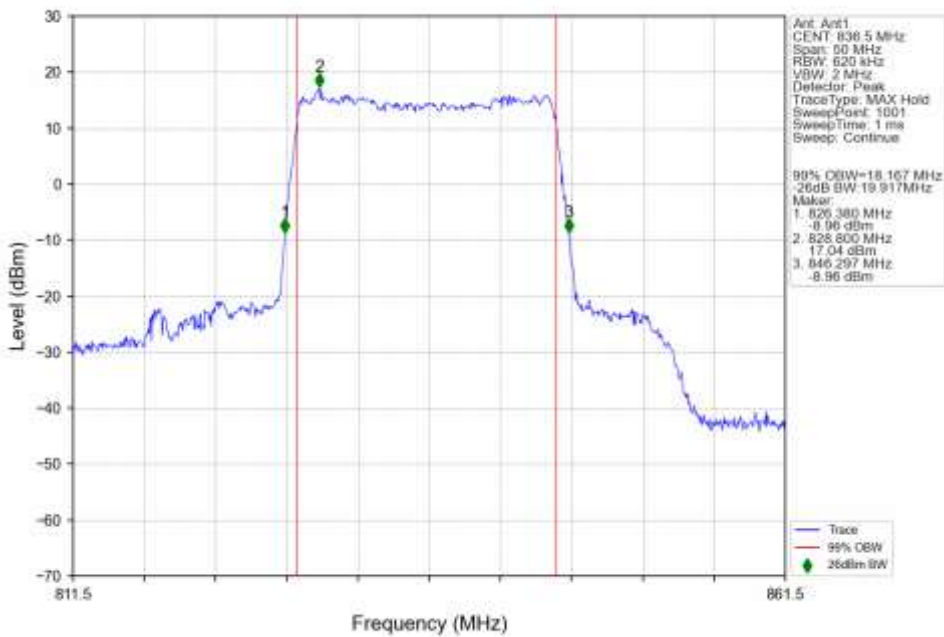
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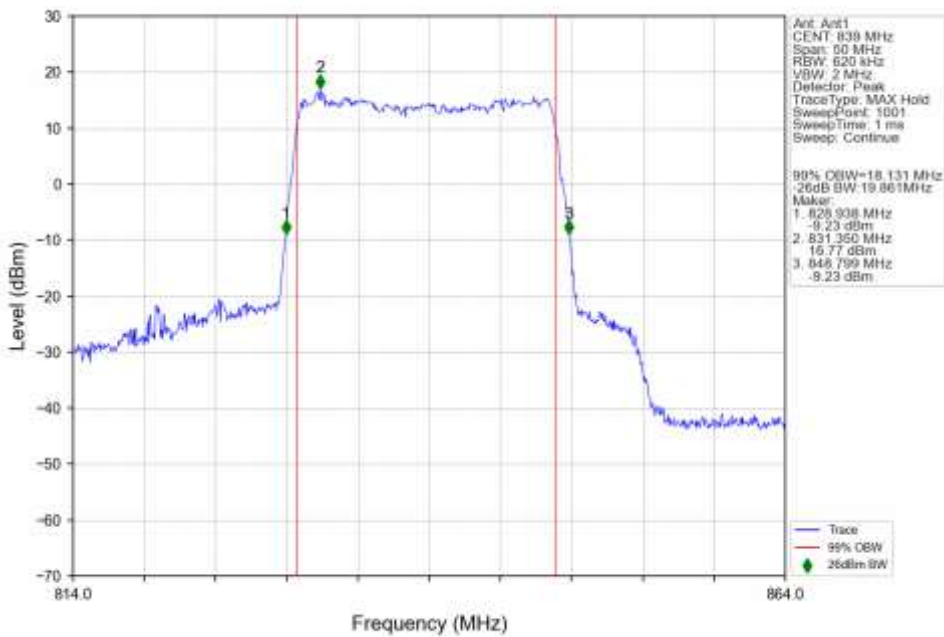
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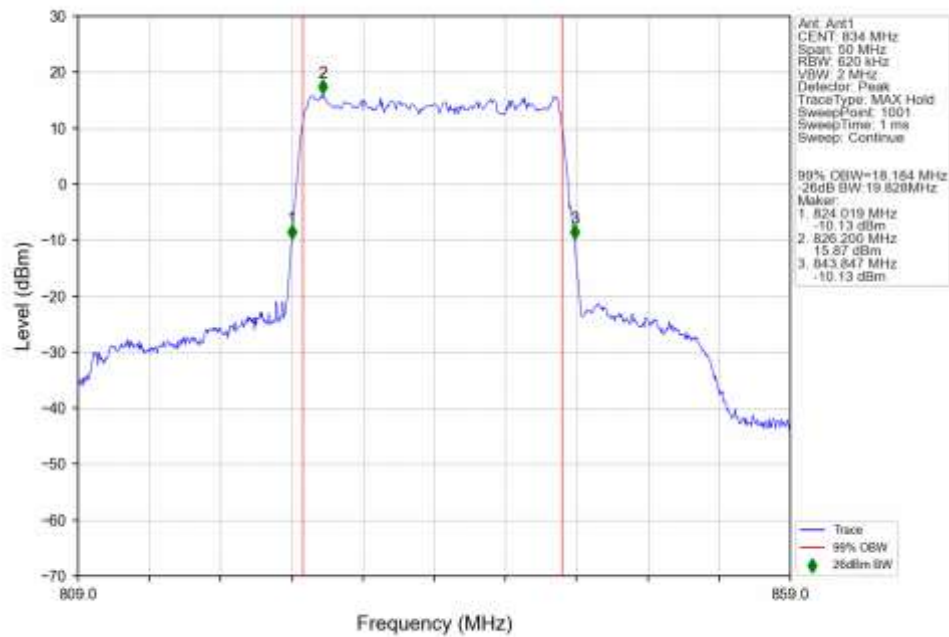
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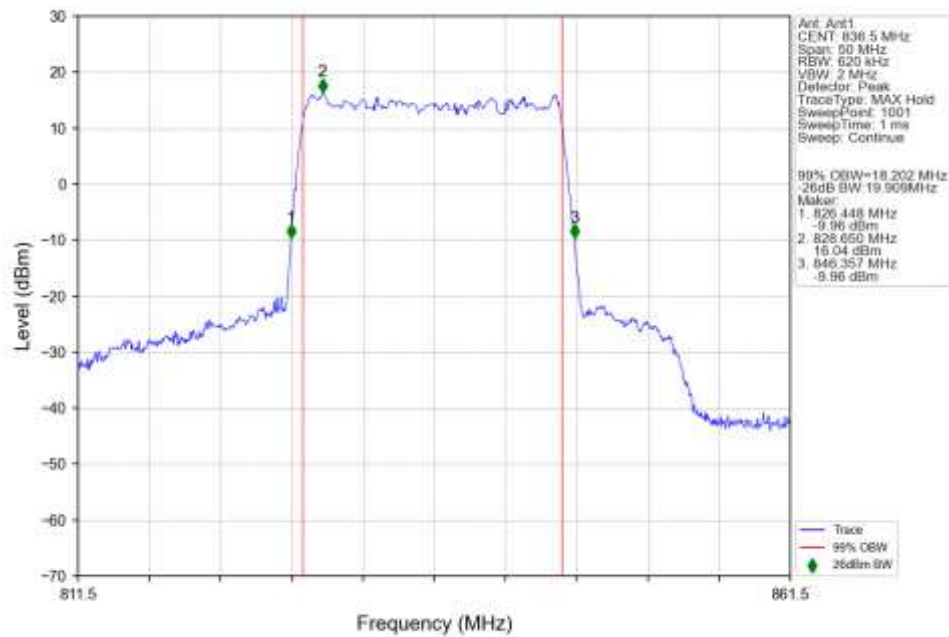
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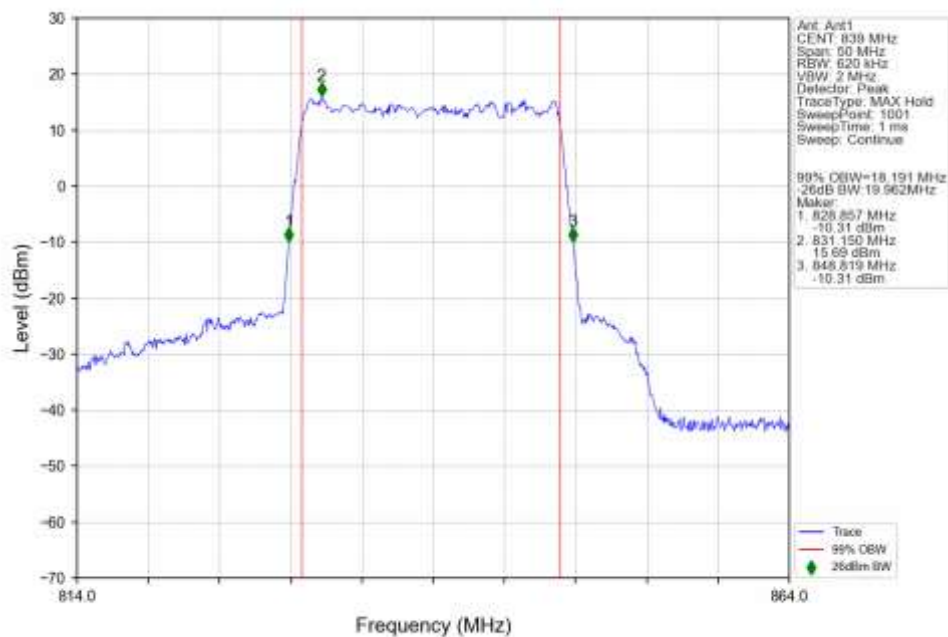
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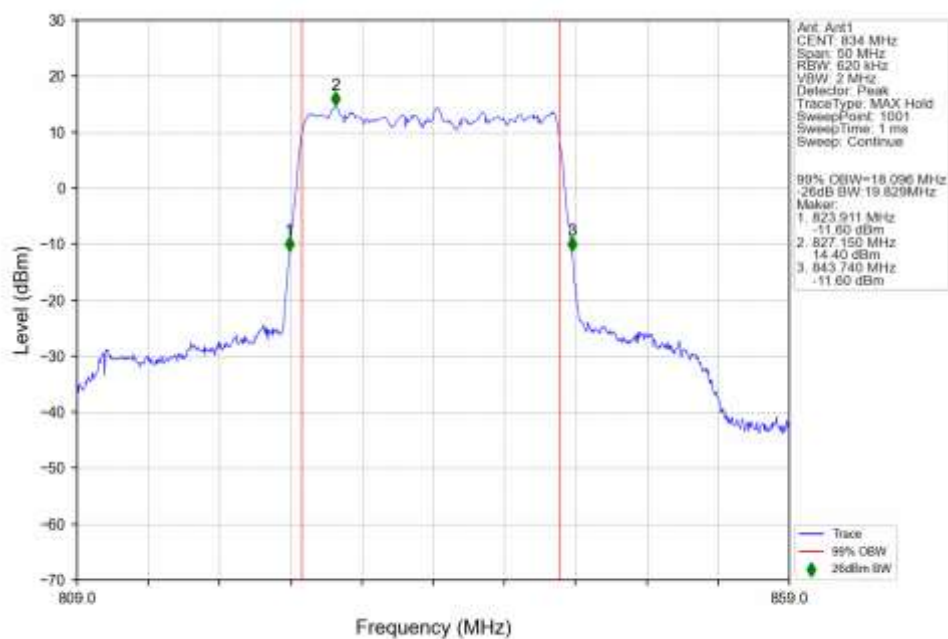
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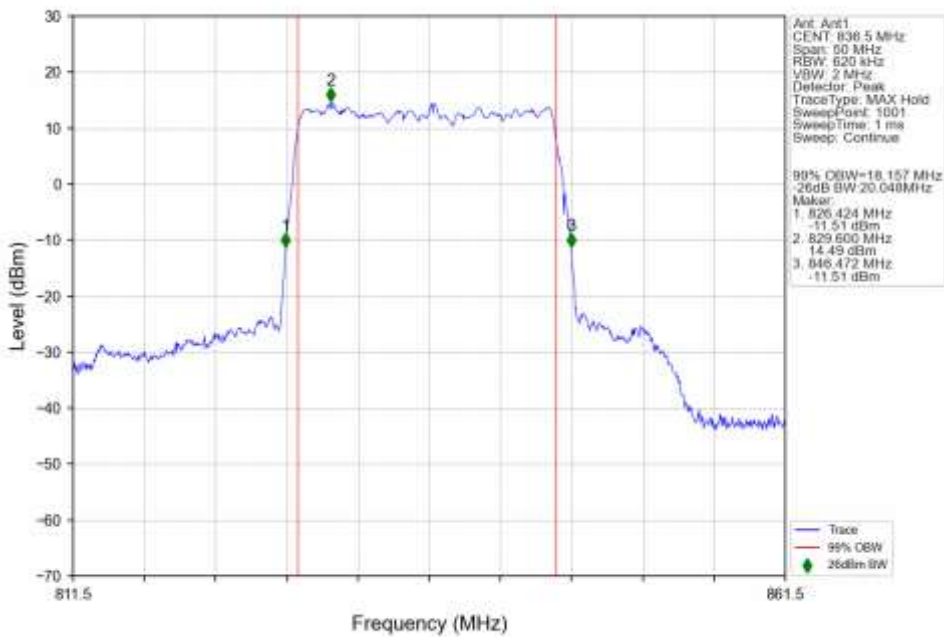
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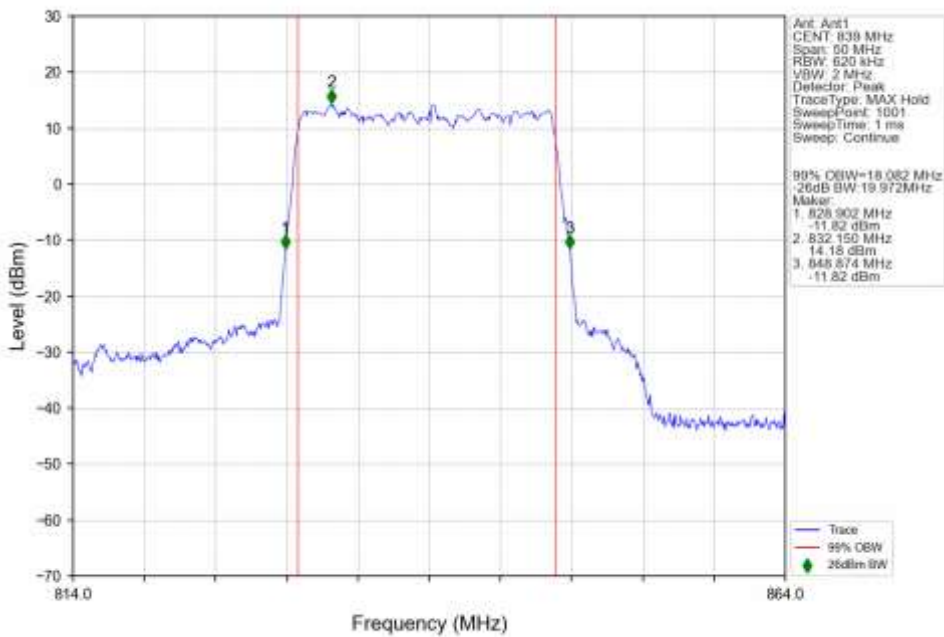
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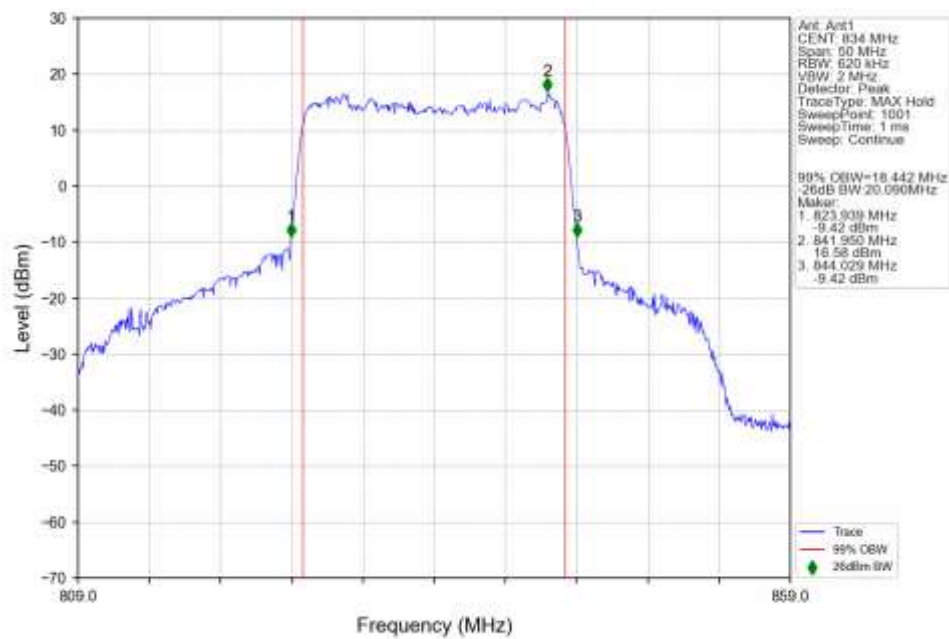
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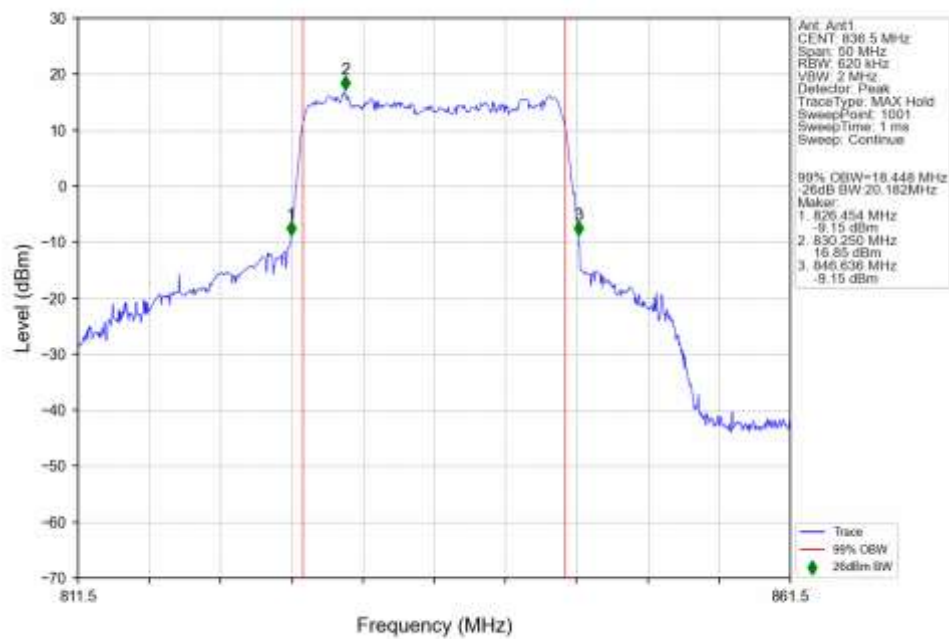
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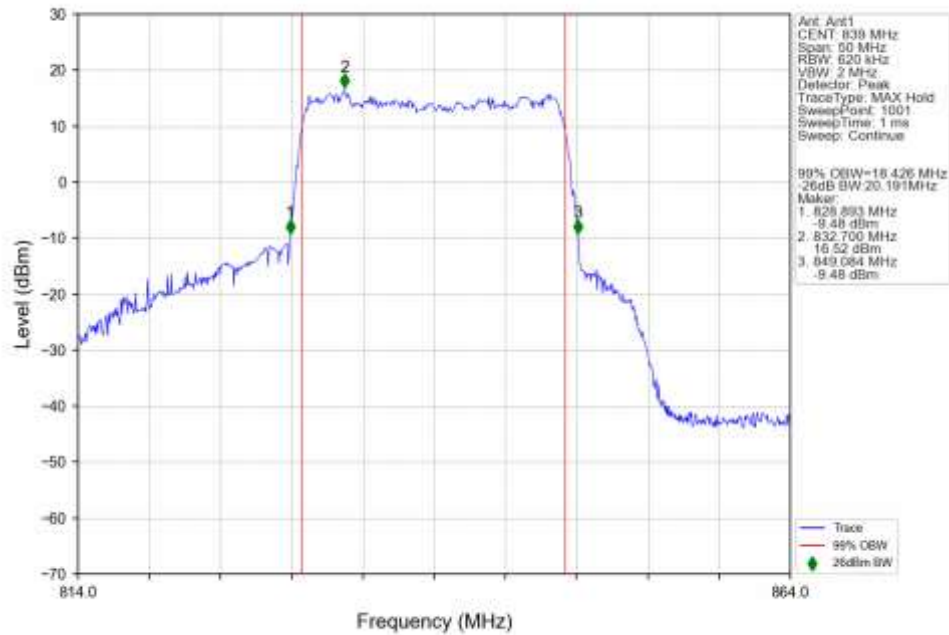
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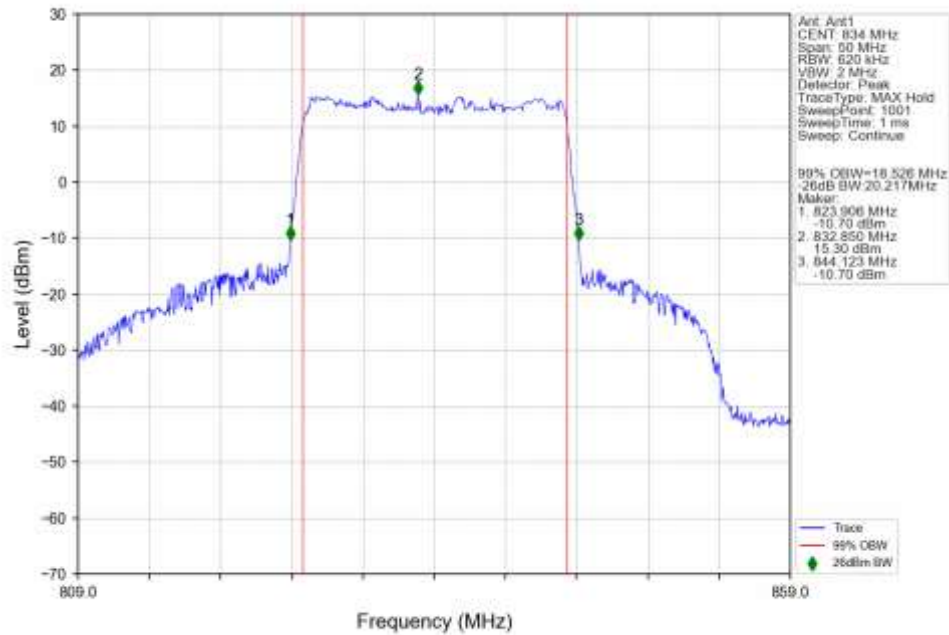
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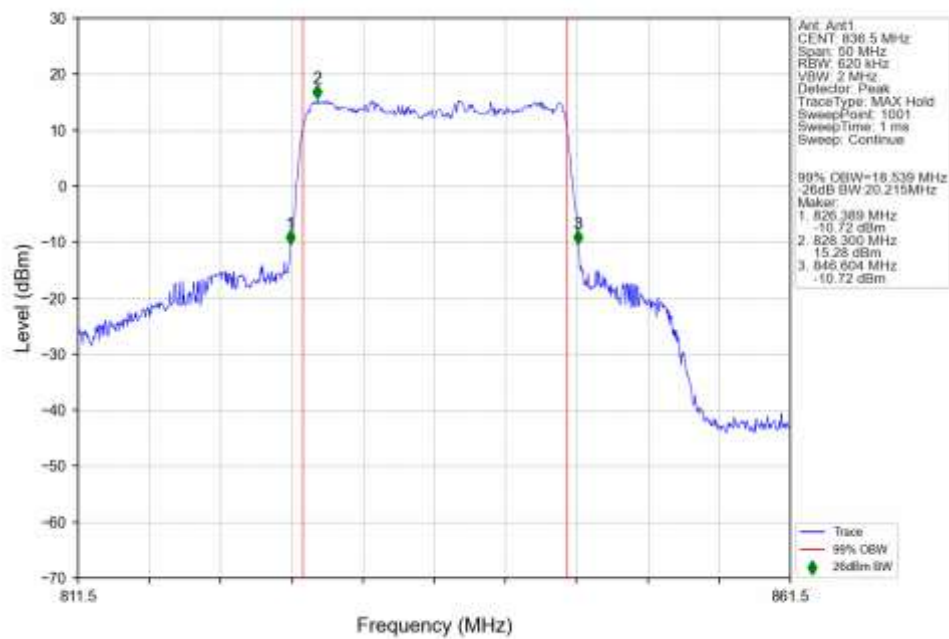
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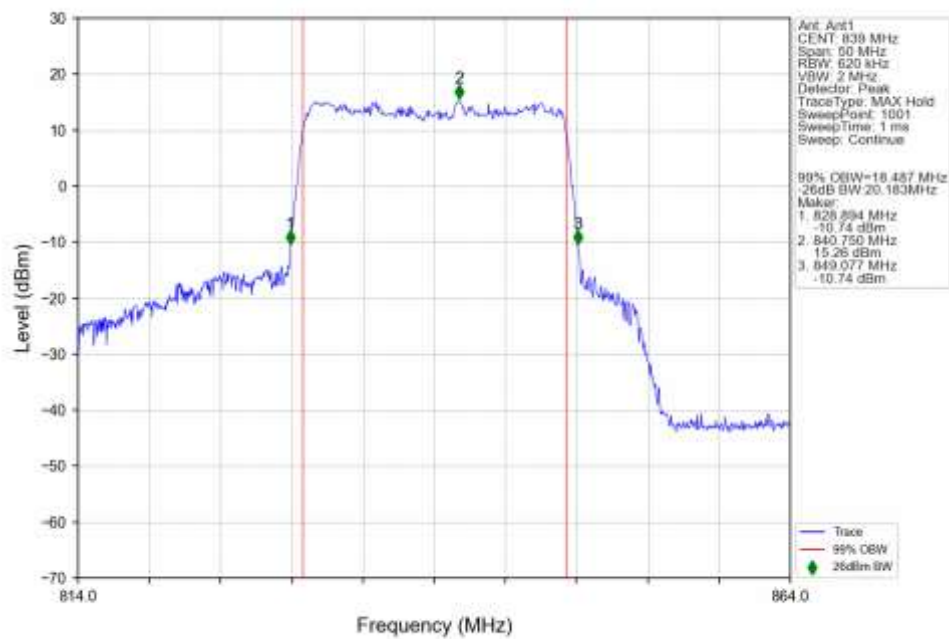
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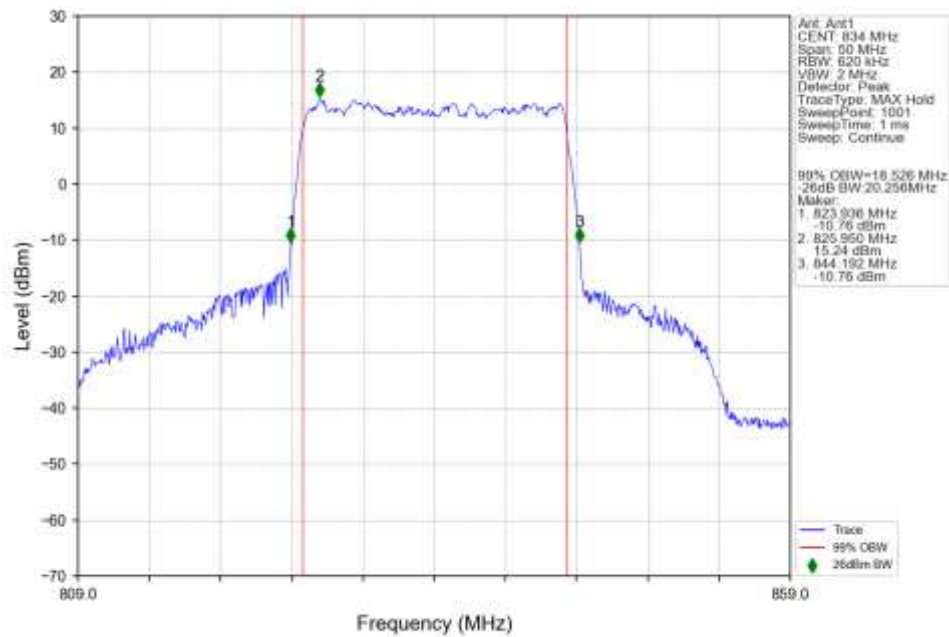
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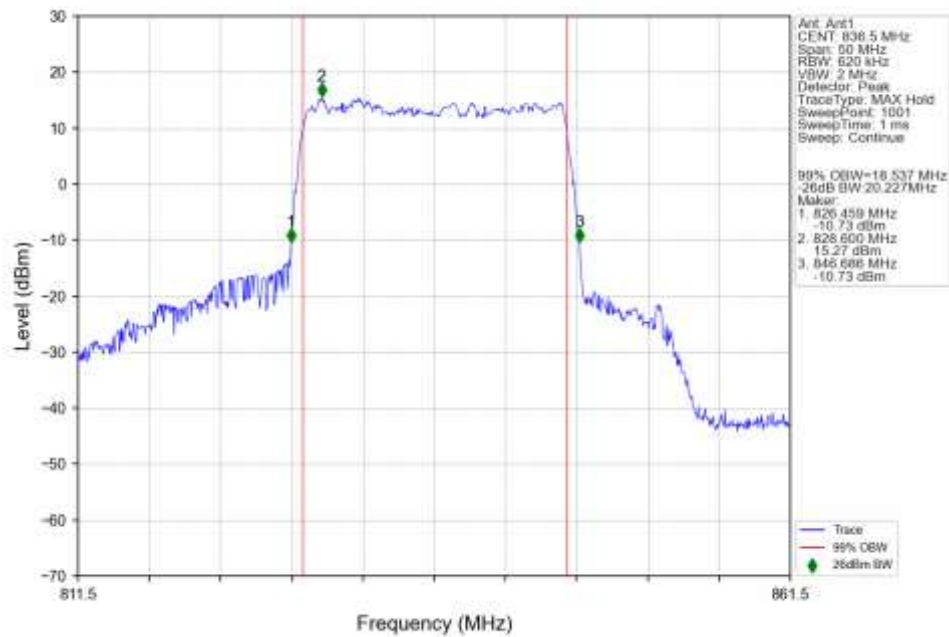
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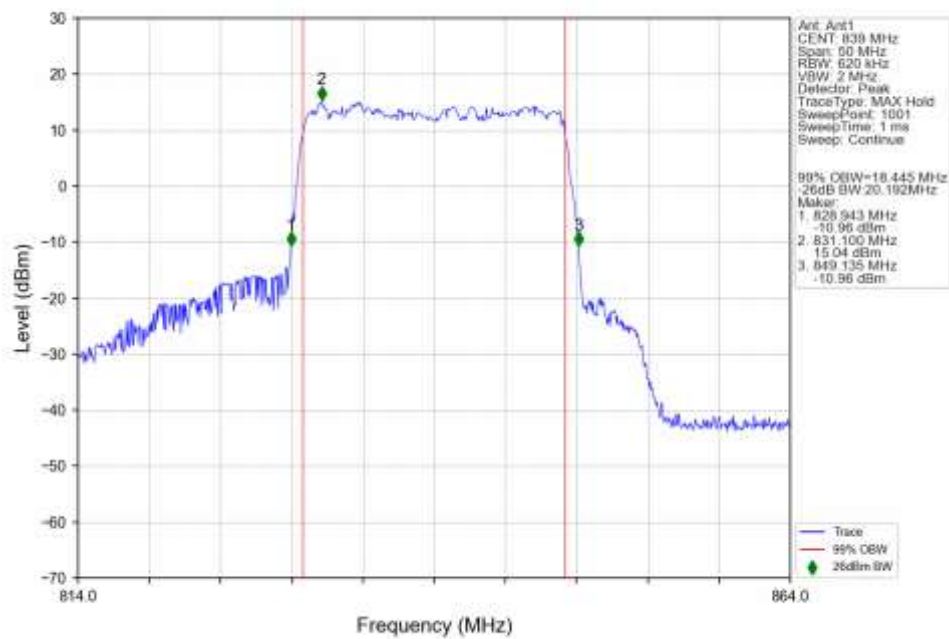
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_834MHz_Outer_Full_Ant1



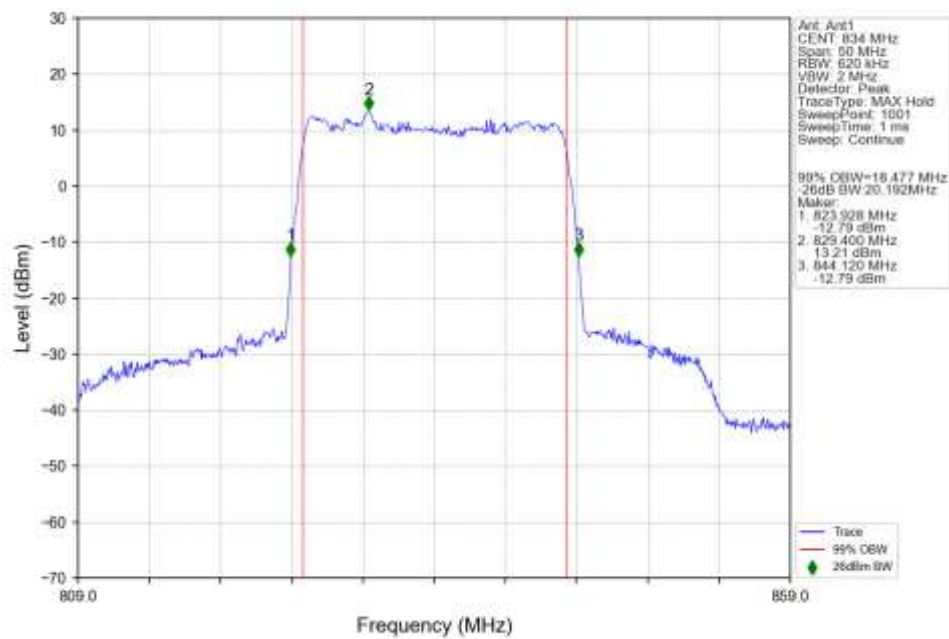
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



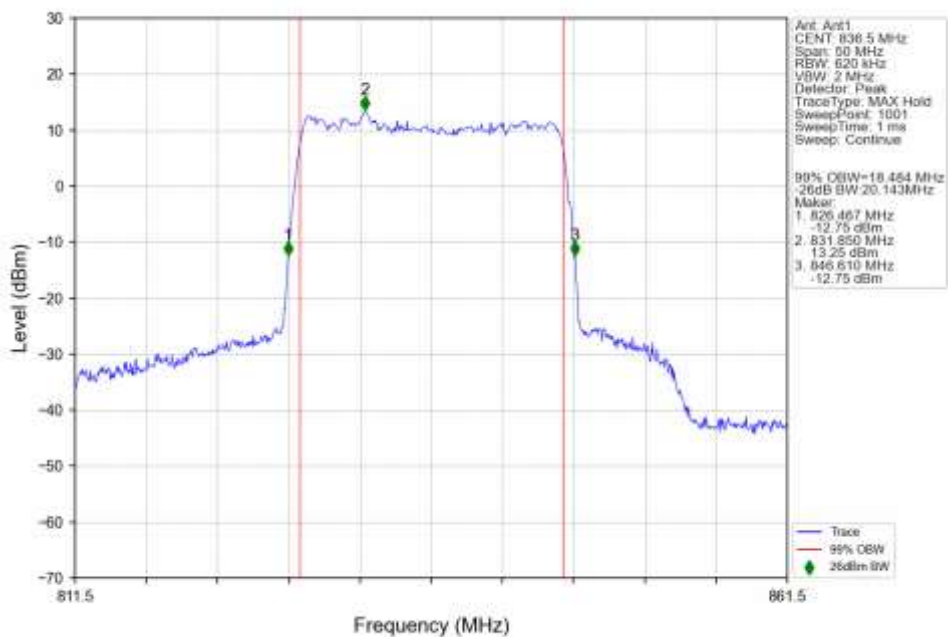
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_839MHz_Outer_Full_Ant1



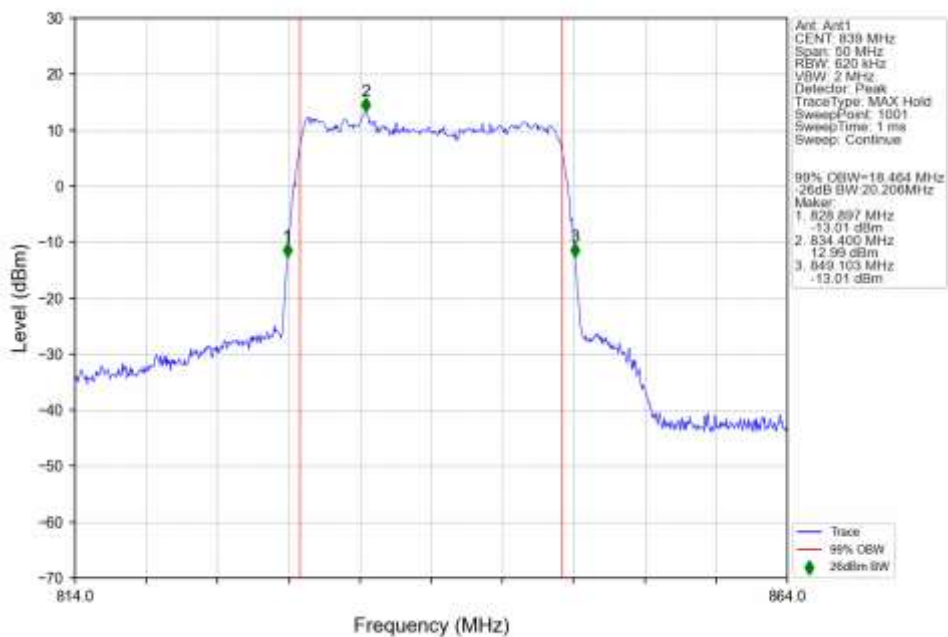
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n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_839MHz_Outer_Full_Ant1



5. Peak-Average Ratio

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	826.5	Outer Full	5.60	/	/	<=13	Pass
	836.5	Outer Full	5.62	/	/	<=13	Pass
	846.5	Outer Full	5.58	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	826.5	Outer Full	6.23	/	/	<=13	Pass
	836.5	Outer Full	6.22	/	/	<=13	Pass
	846.5	Outer Full	6.21	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	826.5	Outer Full	6.37	/	/	<=13	Pass
	836.5	Outer Full	6.32	/	/	<=13	Pass
	846.5	Outer Full	6.27	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	826.5	Outer Full	6.67	/	/	<=13	Pass
	836.5	Outer Full	6.65	/	/	<=13	Pass
	846.5	Outer Full	6.68	/	/	<=13	Pass
CP-OFDM QPSK	826.5	Outer Full	7.84	/	/	<=13	Pass
	836.5	Outer Full	7.78	/	/	<=13	Pass
	846.5	Outer Full	7.84	/	/	<=13	Pass
CP-OFDM 16 QAM	826.5	Outer Full	7.95	/	/	<=13	Pass
	836.5	Outer Full	7.89	/	/	<=13	Pass
	846.5	Outer Full	7.96	/	/	<=13	Pass
CP-OFDM 64 QAM	826.5	Outer Full	8.21	/	/	<=13	Pass
	836.5	Outer Full	8.14	/	/	<=13	Pass
	846.5	Outer Full	8.23	/	/	<=13	Pass
CP-OFDM 256 QAM	826.5	Outer Full	8.30	/	/	<=13	Pass
	836.5	Outer Full	8.31	/	/	<=13	Pass
	846.5	Outer Full	8.33	/	/	<=13	Pass

5.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	829	Outer Full	5.49	/	/	<=13	Pass
	836.5	Outer Full	5.49	/	/	<=13	Pass
	844	Outer Full	5.44	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer Full	6.27	/	/	<=13	Pass
	836.5	Outer Full	6.29	/	/	<=13	Pass
	844	Outer Full	6.29	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer Full	6.39	/	/	<=13	Pass
	836.5	Outer Full	6.40	/	/	<=13	Pass
	844	Outer Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	829	Outer Full	6.42	/	/	<=13	Pass
	836.5	Outer Full	6.42	/	/	<=13	Pass
	844	Outer Full	6.42	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer Full	7.87	/	/	<=13	Pass
	836.5	Outer Full	7.87	/	/	<=13	Pass

	844	Outer Full	7.94	/	/	<=13	Pass
CP-OFDM 16 QAM	829	Outer Full	8.22	/	/	<=13	Pass
	836.5	Outer Full	8.19	/	/	<=13	Pass
	844	Outer Full	8.28	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer Full	8.10	/	/	<=13	Pass
	836.5	Outer Full	8.12	/	/	<=13	Pass
	844	Outer Full	8.17	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer Full	8.30	/	/	<=13	Pass
	836.5	Outer Full	8.30	/	/	<=13	Pass
	844	Outer Full	8.36	/	/	<=13	Pass

5.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	831.5	Outer Full	5.50	/	/	<=13	Pass
	836.5	Outer Full	5.47	/	/	<=13	Pass
	841.5	Outer Full	5.49	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer Full	6.20	/	/	<=13	Pass
	836.5	Outer Full	6.17	/	/	<=13	Pass
	841.5	Outer Full	6.24	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	831.5	Outer Full	6.35	/	/	<=13	Pass
	836.5	Outer Full	6.35	/	/	<=13	Pass
	841.5	Outer Full	6.39	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	831.5	Outer Full	6.43	/	/	<=13	Pass
	836.5	Outer Full	6.40	/	/	<=13	Pass
	841.5	Outer Full	6.45	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer Full	7.75	/	/	<=13	Pass
	836.5	Outer Full	7.68	/	/	<=13	Pass
	841.5	Outer Full	7.84	/	/	<=13	Pass
CP-OFDM 16 QAM	831.5	Outer Full	8.00	/	/	<=13	Pass
	836.5	Outer Full	7.91	/	/	<=13	Pass
	841.5	Outer Full	8.07	/	/	<=13	Pass
CP-OFDM 64 QAM	831.5	Outer Full	7.91	/	/	<=13	Pass
	836.5	Outer Full	7.87	/	/	<=13	Pass
	841.5	Outer Full	7.99	/	/	<=13	Pass
CP-OFDM 256 QAM	831.5	Outer Full	8.28	/	/	<=13	Pass
	836.5	Outer Full	8.31	/	/	<=13	Pass
	841.5	Outer Full	8.37	/	/	<=13	Pass

5.1.4 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Outer Full	5.48	/	/	<=13	Pass
	836.5	Outer Full	5.55	/	/	<=13	Pass
	839	Outer Full	5.56	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer Full	6.17	/	/	<=13	Pass
	836.5	Outer Full	6.21	/	/	<=13	Pass
	839	Outer Full	6.23	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer Full	6.42	/	/	<=13	Pass
	836.5	Outer Full	6.44	/	/	<=13	Pass
	839	Outer Full	6.45	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	834	Outer Full	6.45	/	/	<=13	Pass
	836.5	Outer Full	6.47	/	/	<=13	Pass
	839	Outer Full	6.50	/	/	<=13	Pass
CP-OFDM QPSK	834	Outer Full	7.75	/	/	<=13	Pass
	836.5	Outer Full	7.81	/	/	<=13	Pass
	839	Outer Full	7.89	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer Full	7.90	/	/	<=13	Pass
	836.5	Outer Full	7.98	/	/	<=13	Pass
	839	Outer Full	8.07	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer Full	8.07	/	/	<=13	Pass
	836.5	Outer Full	8.15	/	/	<=13	Pass
	839	Outer Full	8.19	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer Full	8.31	/	/	<=13	Pass
	836.5	Outer Full	8.32	/	/	<=13	Pass
	839	Outer Full	8.36	/	/	<=13	Pass

5.1.5 30k_SISO_10MHz_NTNV

5G NR n5 SCS=30kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	829	Outer Full	5.53	/	/	<=13	Pass
	836.5	Outer Full	5.56	/	/	<=13	Pass
	844	Outer Full	5.57	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer Full	6.32	/	/	<=13	Pass
	836.5	Outer Full	6.31	/	/	<=13	Pass
	844	Outer Full	6.38	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer Full	6.44	/	/	<=13	Pass
	836.5	Outer Full	6.49	/	/	<=13	Pass
	844	Outer Full	6.51	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	829	Outer Full	6.69	/	/	<=13	Pass
	836.5	Outer Full	6.67	/	/	<=13	Pass
	844	Outer Full	6.70	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer Full	7.97	/	/	<=13	Pass
	836.5	Outer Full	7.99	/	/	<=13	Pass
	844	Outer Full	8.05	/	/	<=13	Pass
CP-OFDM 16 QAM	829	Outer Full	7.89	/	/	<=13	Pass
	836.5	Outer Full	7.88	/	/	<=13	Pass
	844	Outer Full	7.93	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer Full	7.98	/	/	<=13	Pass
	836.5	Outer Full	8.04	/	/	<=13	Pass
	844	Outer Full	8.09	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer Full	8.24	/	/	<=13	Pass
	836.5	Outer Full	8.21	/	/	<=13	Pass
	844	Outer Full	8.27	/	/	<=13	Pass

5.1.6 30k_SISO_15MHz_NTNV

5G NR n5 SCS=30kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	831.5	Outer Full	5.64	/	/	<=13	Pass
	836.5	Outer Full	5.66	/	/	<=13	Pass
	841.5	Outer Full	5.65	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer Full	6.19	/	/	<=13	Pass

DFT-s-OFDM 64 QAM	836.5	Outer Full	6.21	/	/	<=13	Pass
	841.5	Outer Full	6.20	/	/	<=13	Pass
	831.5	Outer Full	6.38	/	/	<=13	Pass
	836.5	Outer Full	6.42	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	841.5	Outer Full	6.44	/	/	<=13	Pass
	831.5	Outer Full	6.41	/	/	<=13	Pass
	836.5	Outer Full	6.44	/	/	<=13	Pass
	841.5	Outer Full	6.43	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer Full	7.76	/	/	<=13	Pass
	836.5	Outer Full	7.72	/	/	<=13	Pass
	841.5	Outer Full	7.83	/	/	<=13	Pass
	831.5	Outer Full	7.97	/	/	<=13	Pass
CP-OFDM 16 QAM	836.5	Outer Full	7.92	/	/	<=13	Pass
	841.5	Outer Full	8.01	/	/	<=13	Pass
	831.5	Outer Full	8.02	/	/	<=13	Pass
	836.5	Outer Full	8.00	/	/	<=13	Pass
CP-OFDM 64 QAM	841.5	Outer Full	8.05	/	/	<=13	Pass
	831.5	Outer Full	8.37	/	/	<=13	Pass
	836.5	Outer Full	8.36	/	/	<=13	Pass
	841.5	Outer Full	8.35	/	/	<=13	Pass

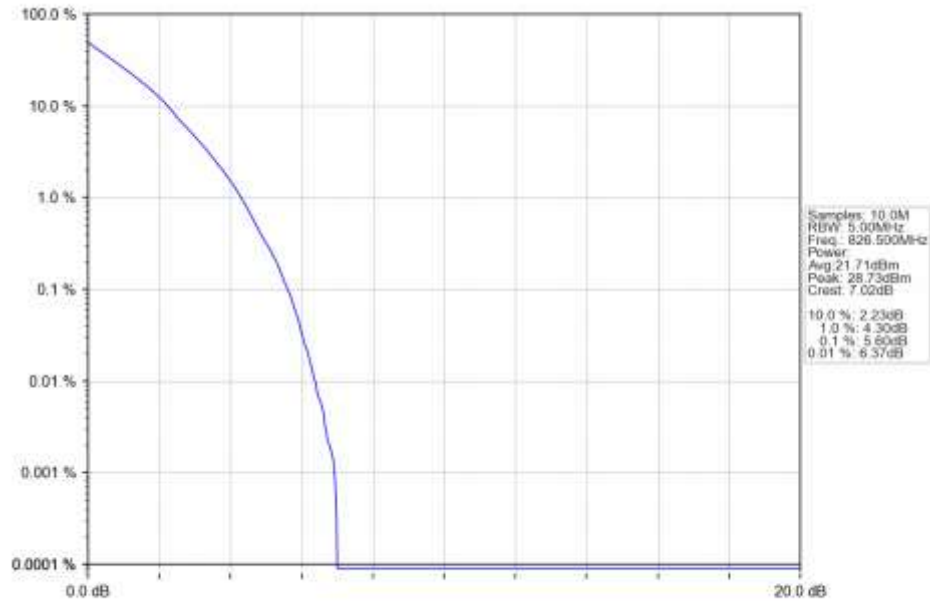
5.1.7 30k_SISO_20MHz_NTNV

5G NR n5 SCS=30kHz SISO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Outer Full	5.59	/	/	<=13	Pass
	836.5	Outer Full	5.60	/	/	<=13	Pass
	839	Outer Full	5.61	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer Full	6.35	/	/	<=13	Pass
	836.5	Outer Full	6.36	/	/	<=13	Pass
	839	Outer Full	6.34	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer Full	6.44	/	/	<=13	Pass
	836.5	Outer Full	6.45	/	/	<=13	Pass
	839	Outer Full	6.44	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer Full	6.44	/	/	<=13	Pass
	836.5	Outer Full	6.47	/	/	<=13	Pass
	839	Outer Full	6.48	/	/	<=13	Pass
CP-OFDM QPSK	834	Outer Full	7.92	/	/	<=13	Pass
	836.5	Outer Full	7.91	/	/	<=13	Pass
	839	Outer Full	7.92	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer Full	8.10	/	/	<=13	Pass
	836.5	Outer Full	7.99	/	/	<=13	Pass
	839	Outer Full	7.98	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer Full	8.00	/	/	<=13	Pass
	836.5	Outer Full	8.06	/	/	<=13	Pass
	839	Outer Full	8.09	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer Full	8.53	/	/	<=13	Pass
	836.5	Outer Full	8.52	/	/	<=13	Pass
	839	Outer Full	8.51	/	/	<=13	Pass

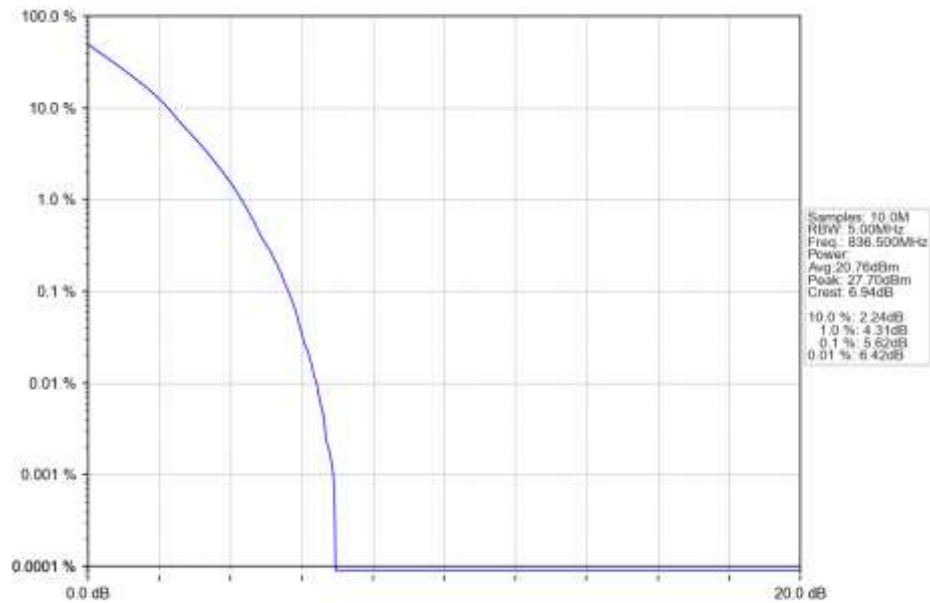
5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

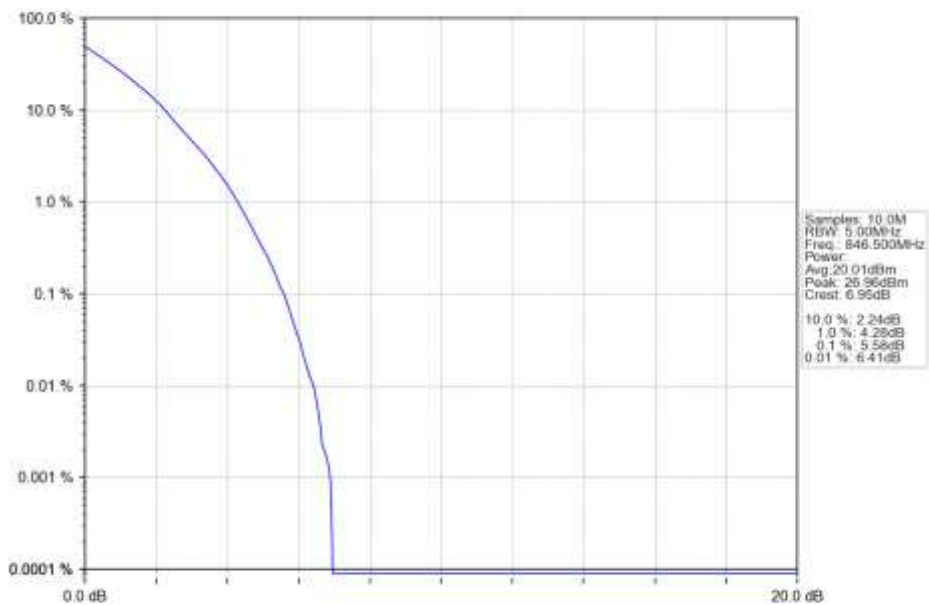
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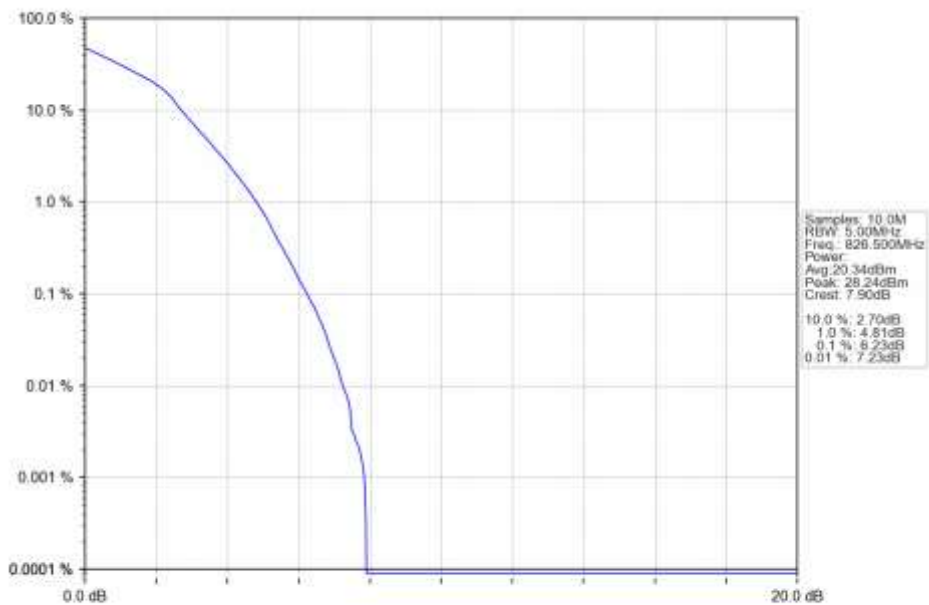
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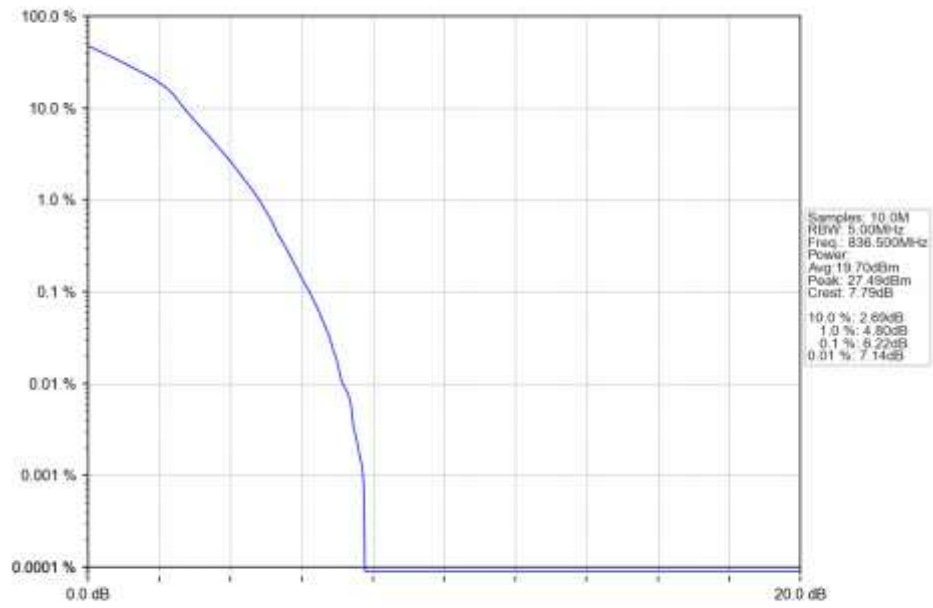
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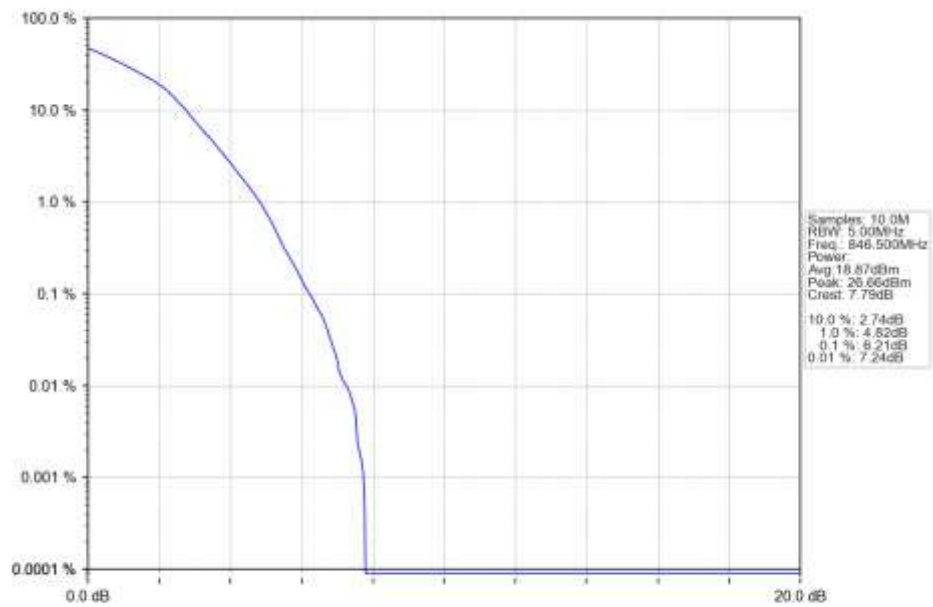
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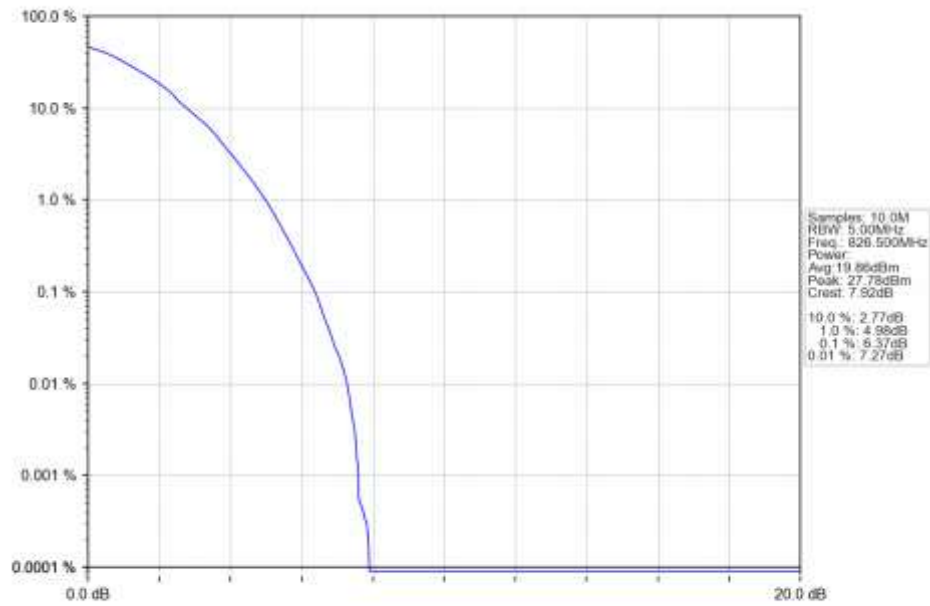
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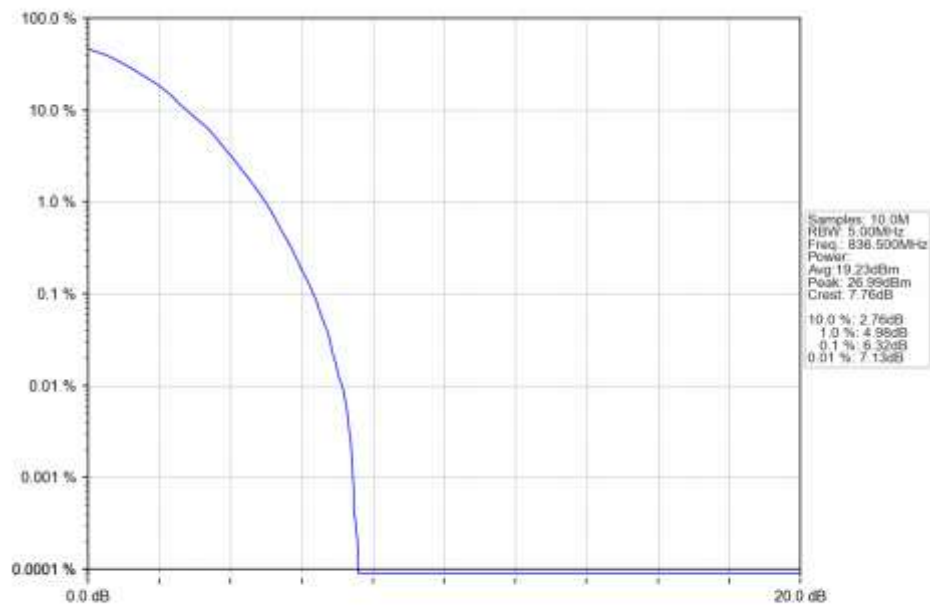
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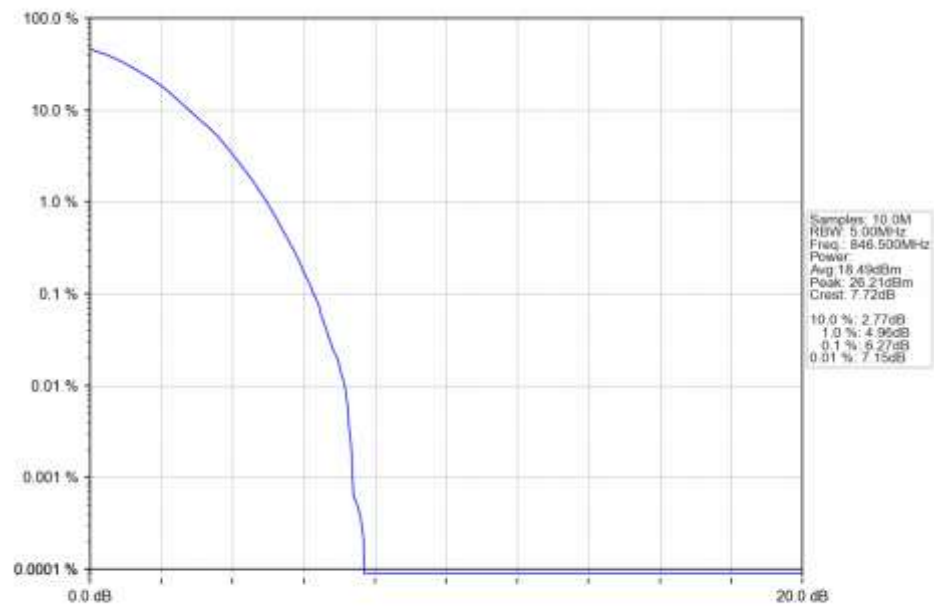
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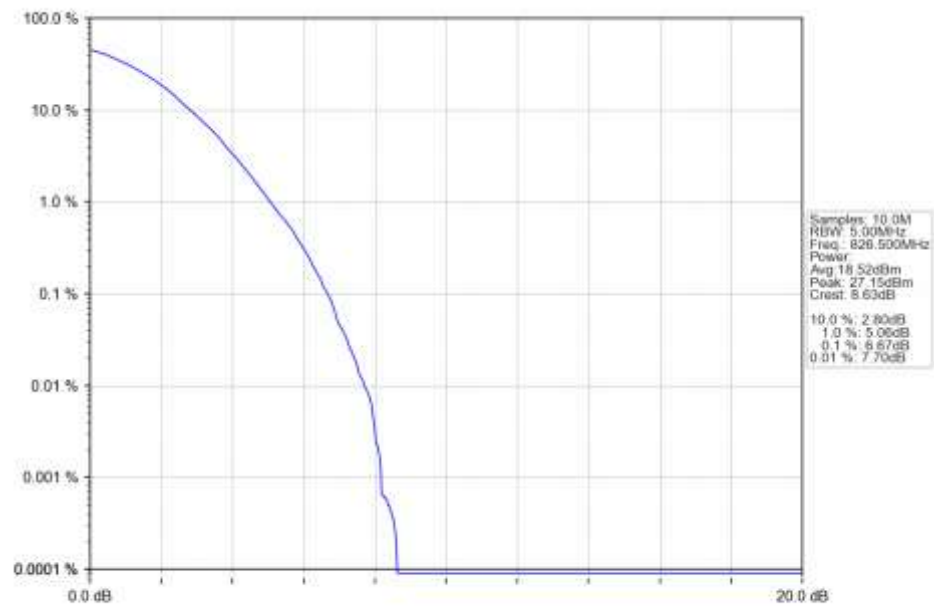
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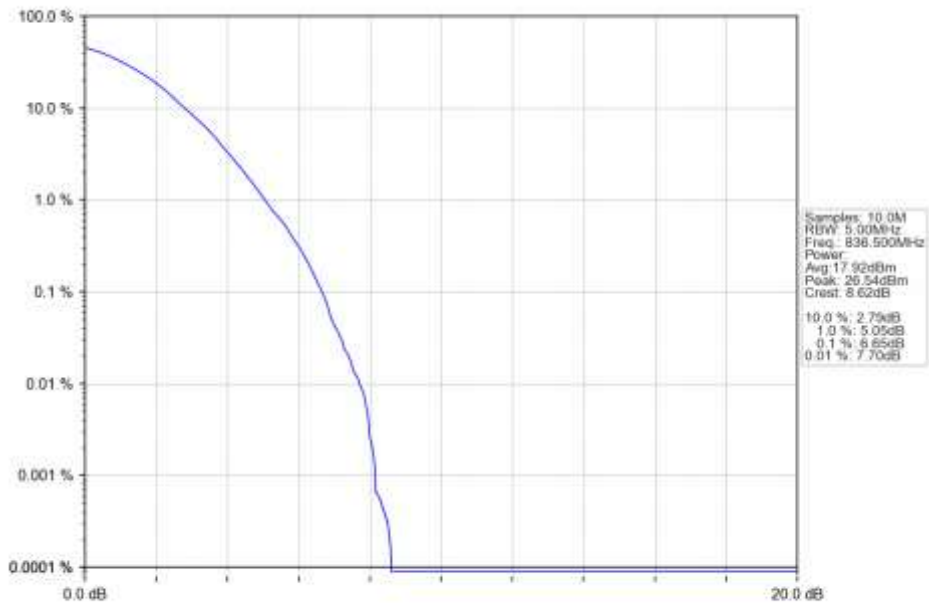
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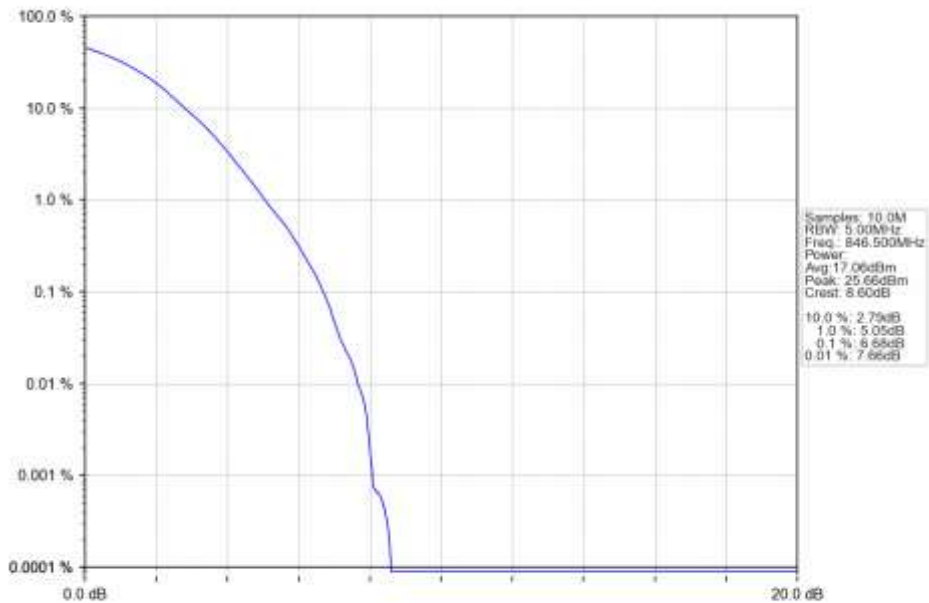
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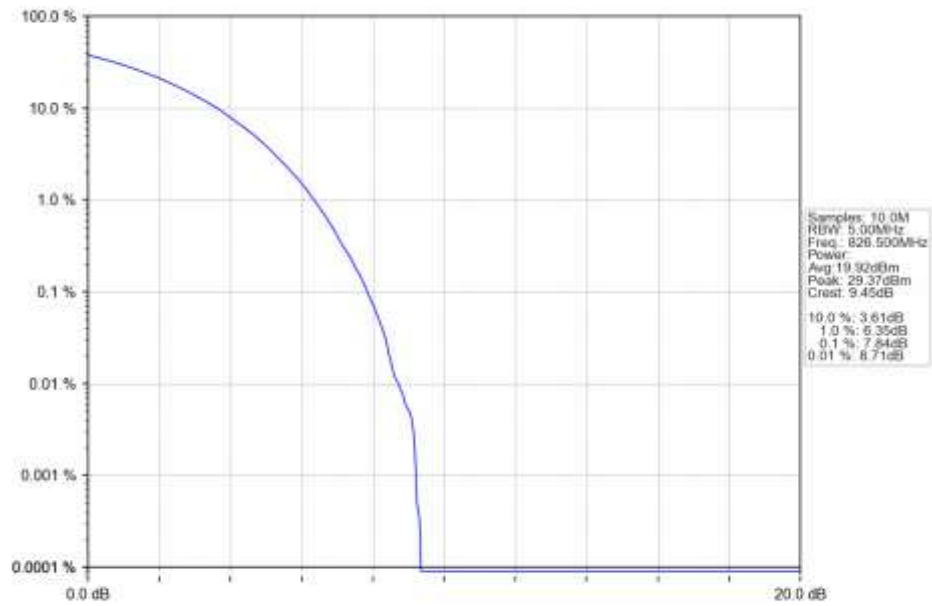
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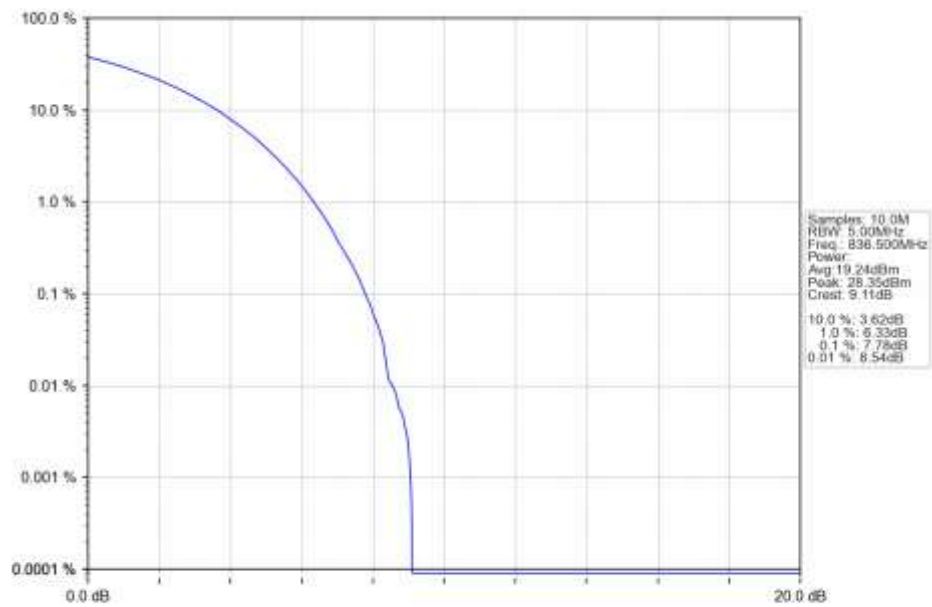
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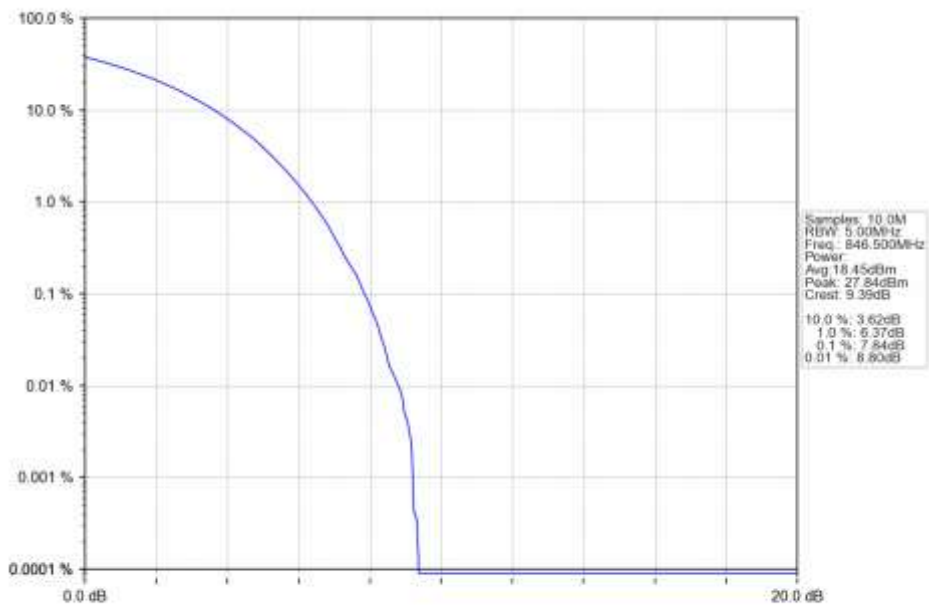
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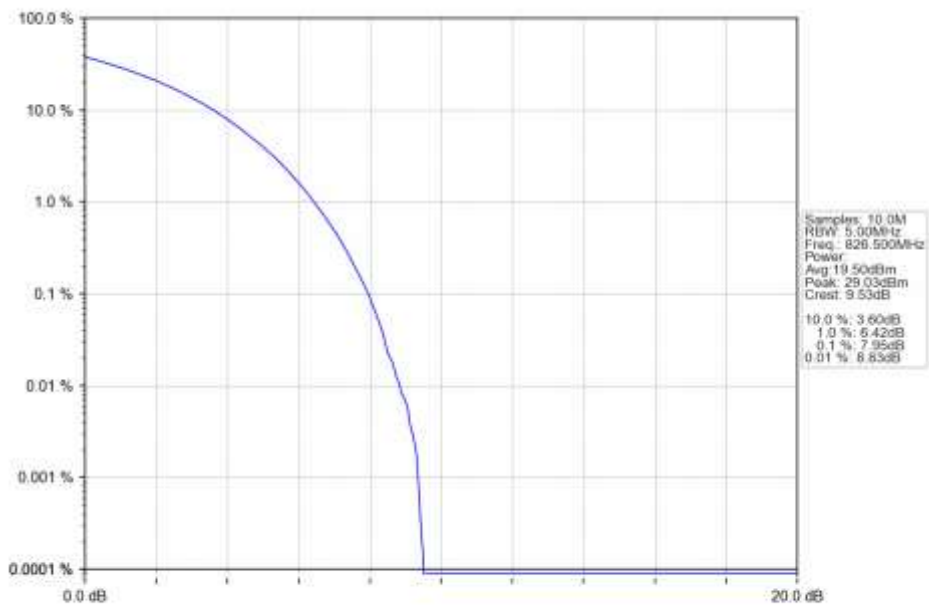
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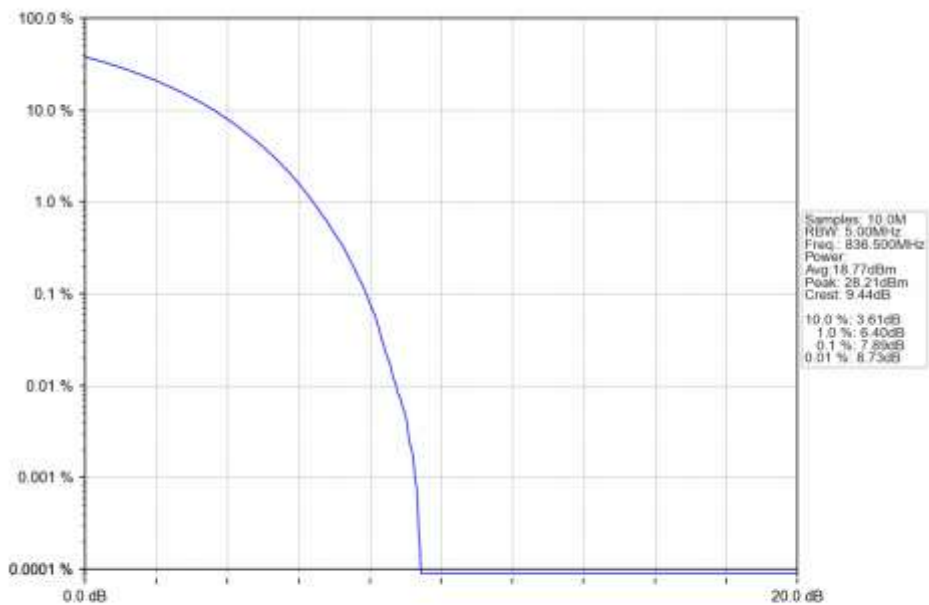
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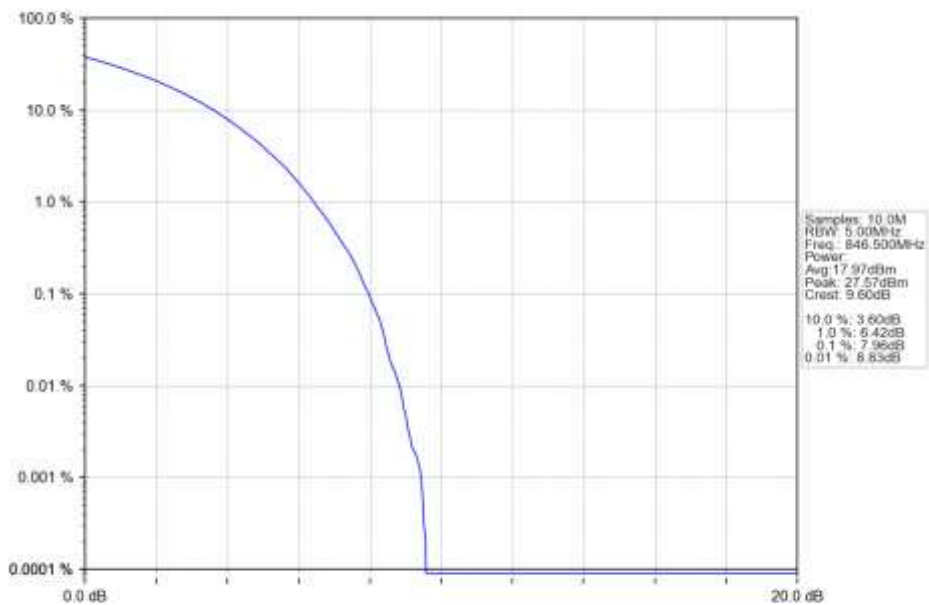
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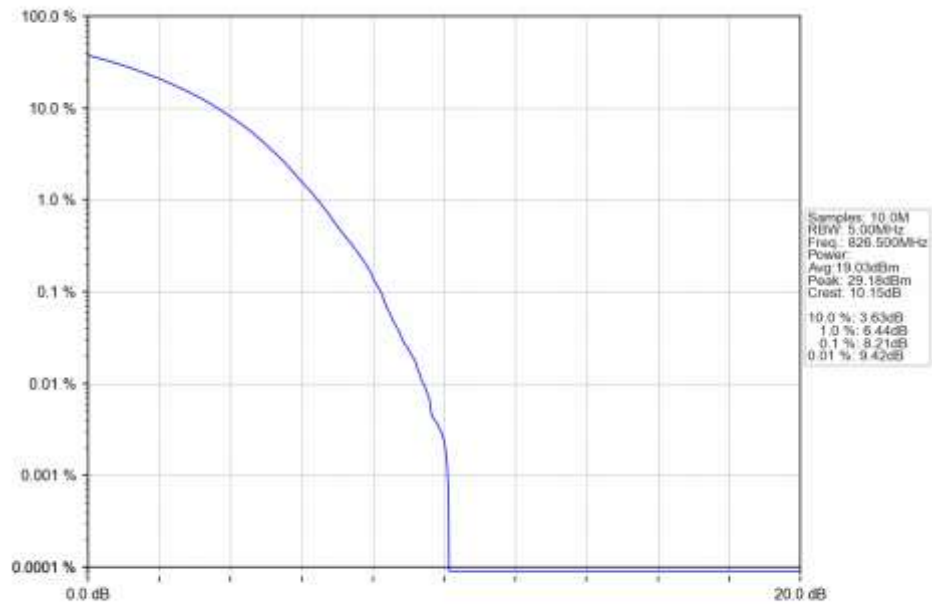
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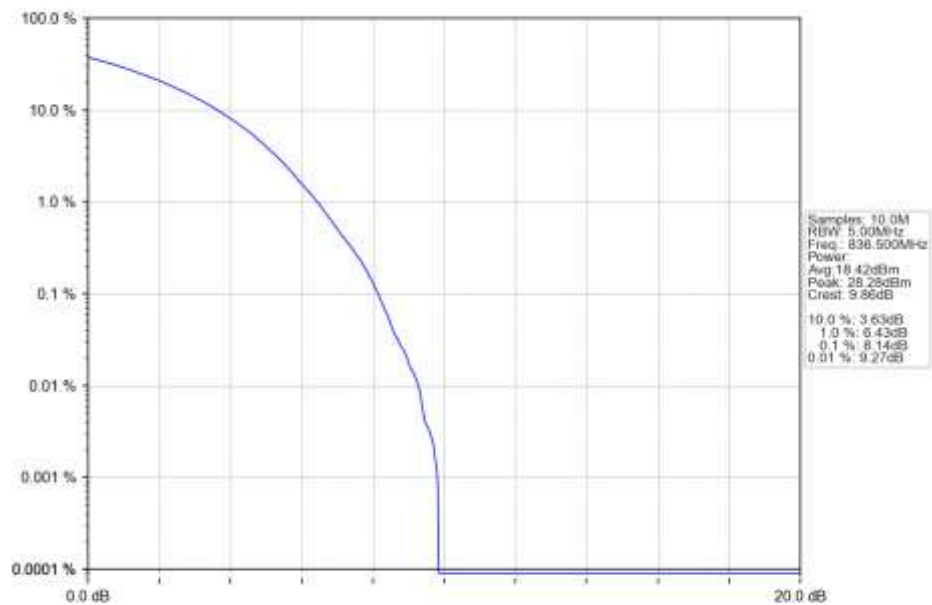
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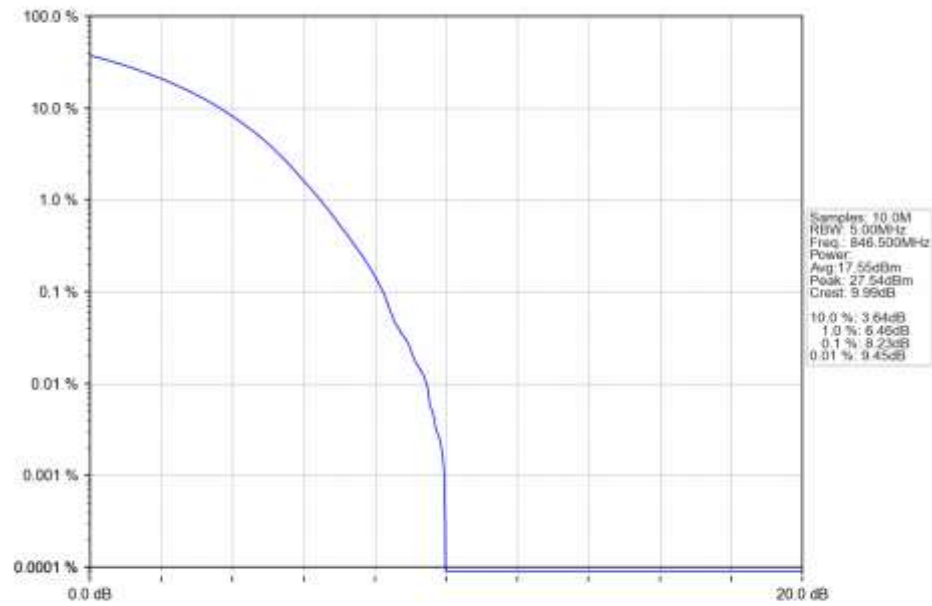
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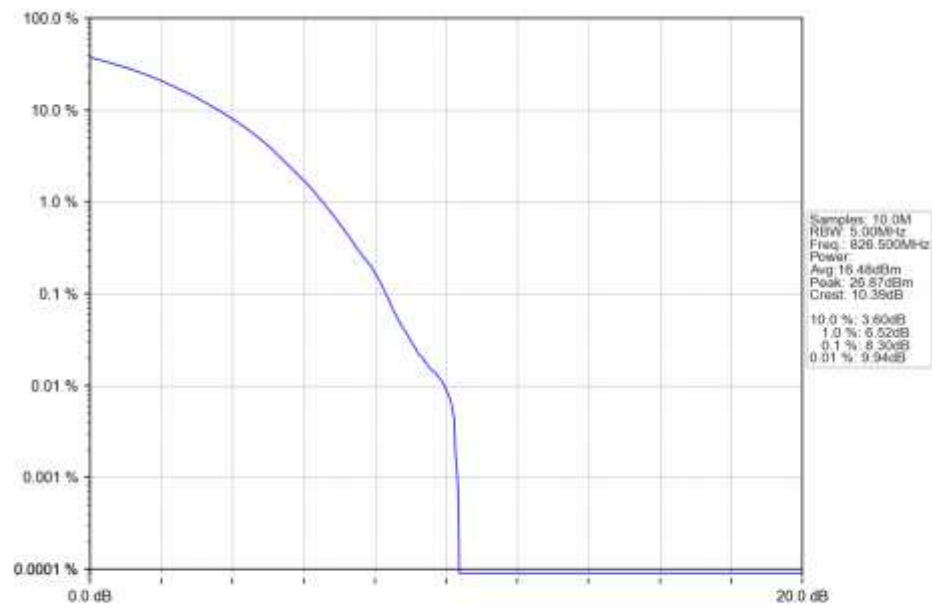
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



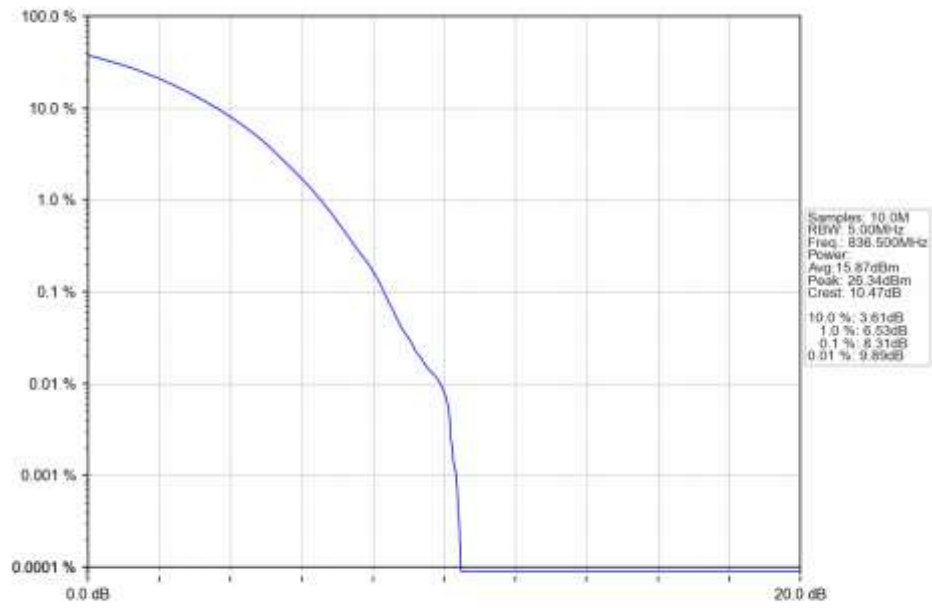
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_846.5MHz_Outer_Full_Ant1



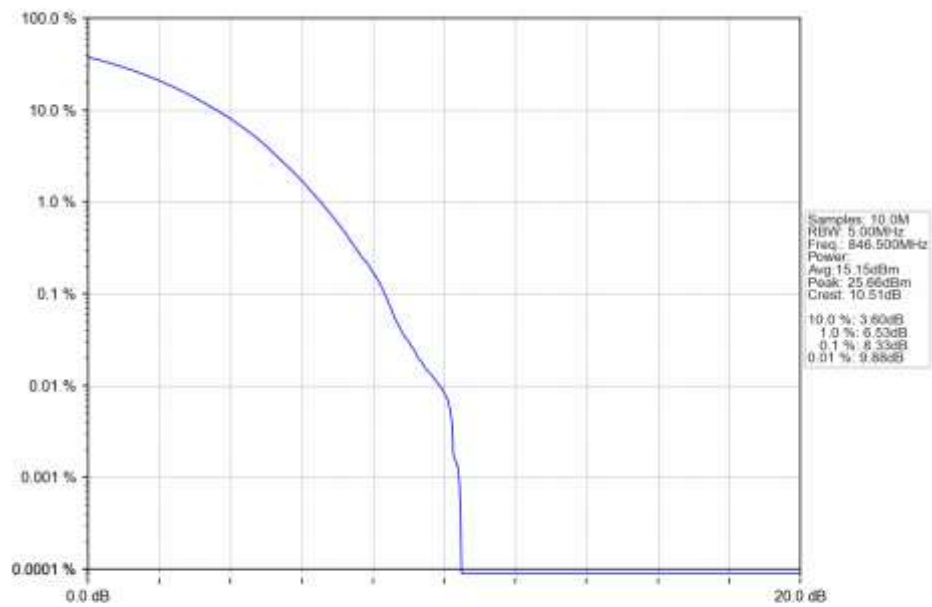
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_826.5MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1

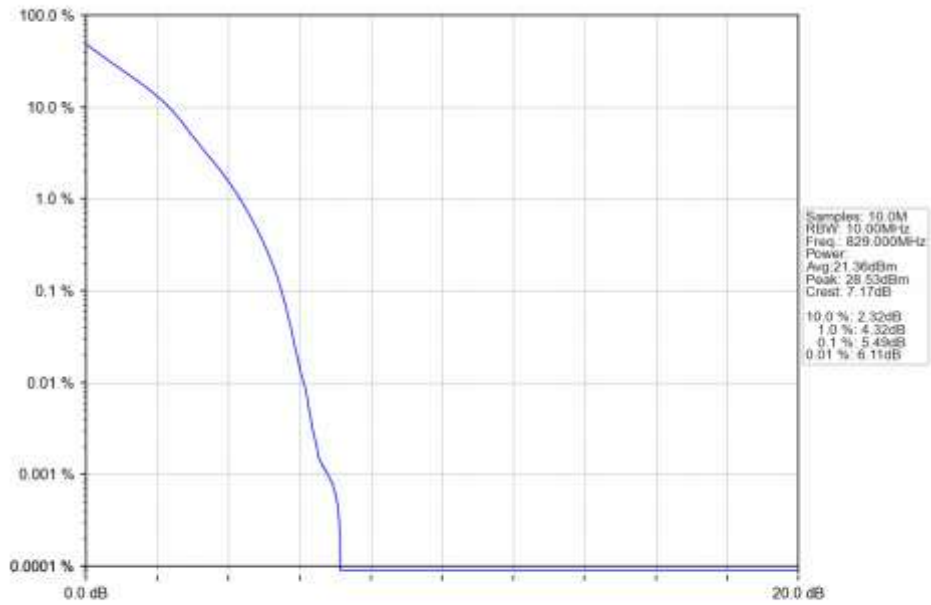


n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_846.5MHz_Outer_Full_Ant1

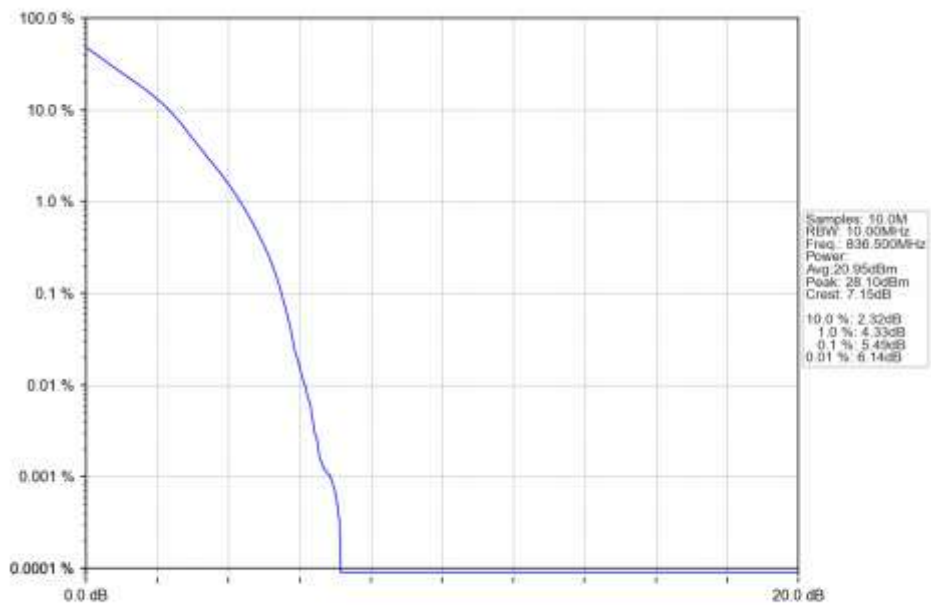


5.2.2 15k_SISO_10MHz_NTNV

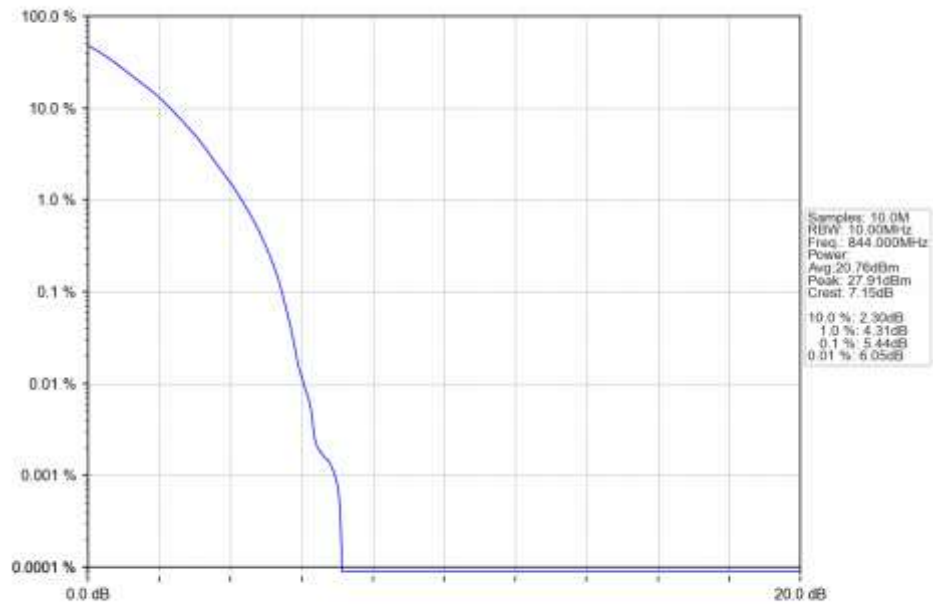
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_829MHz_Outer_Full_Ant1



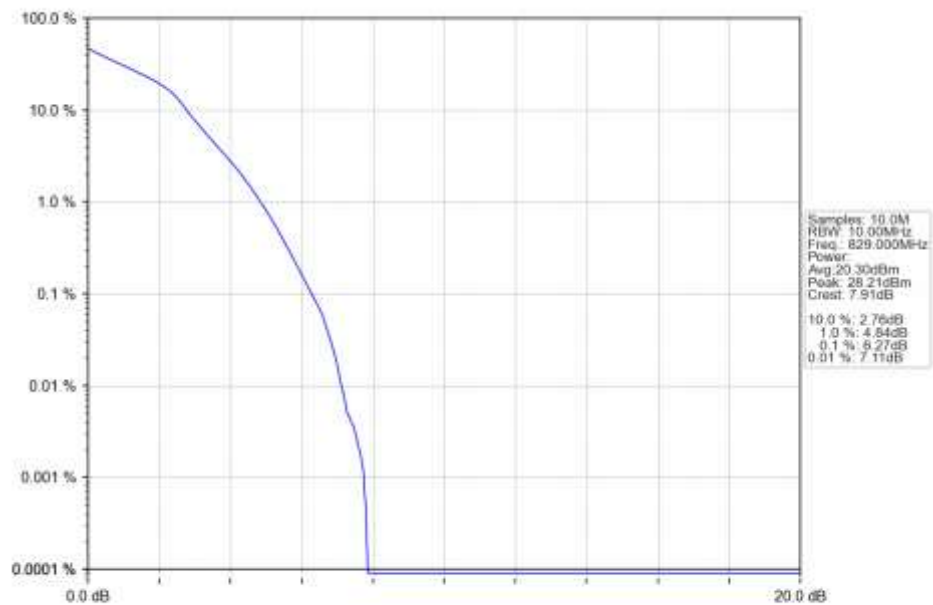
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full_Ant1



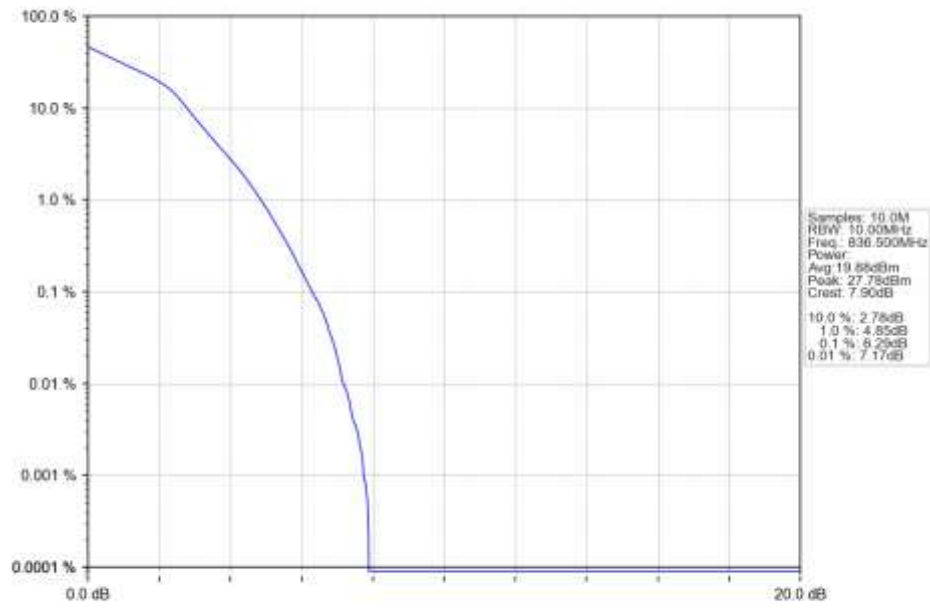
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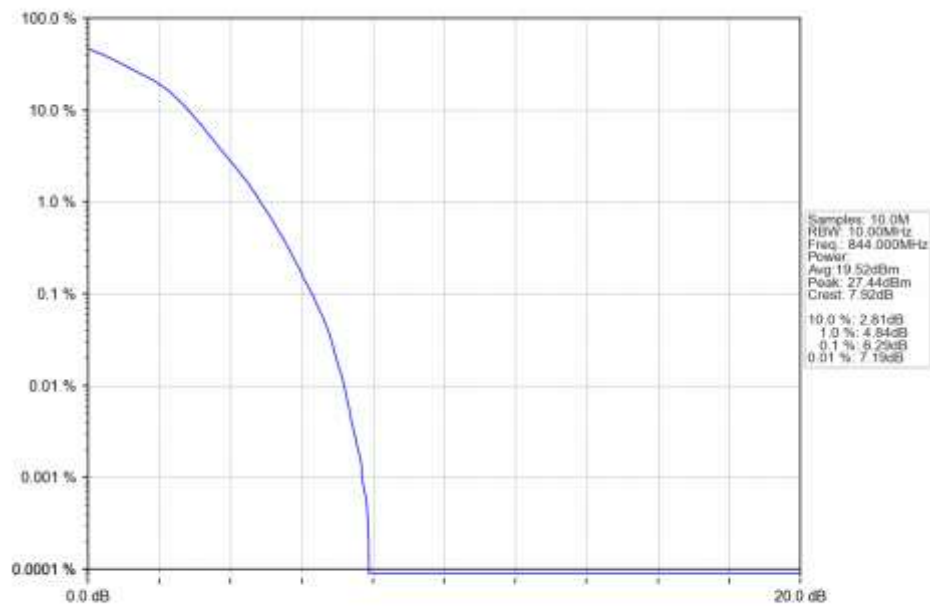
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_829MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



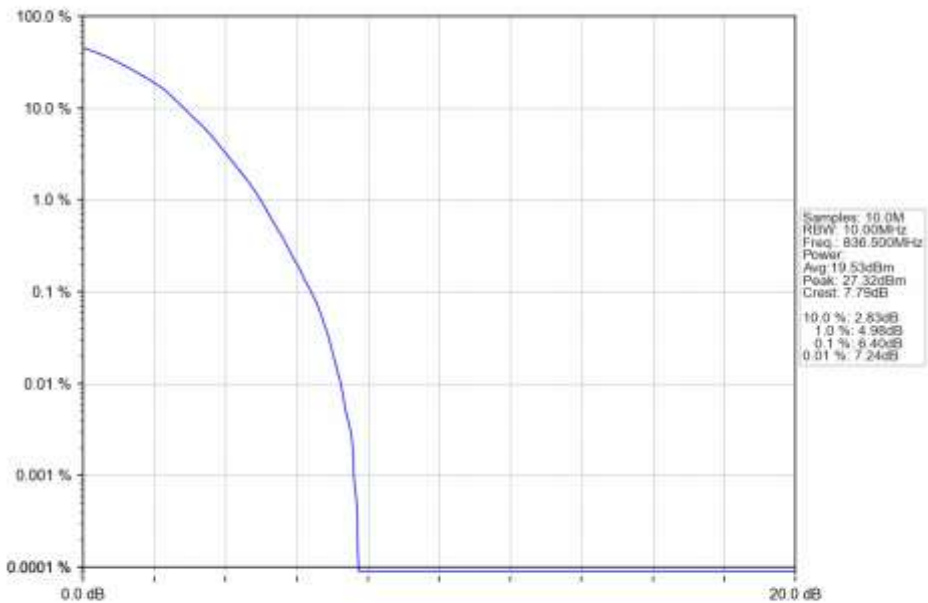
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_844MHz_Outer_Full_Ant1



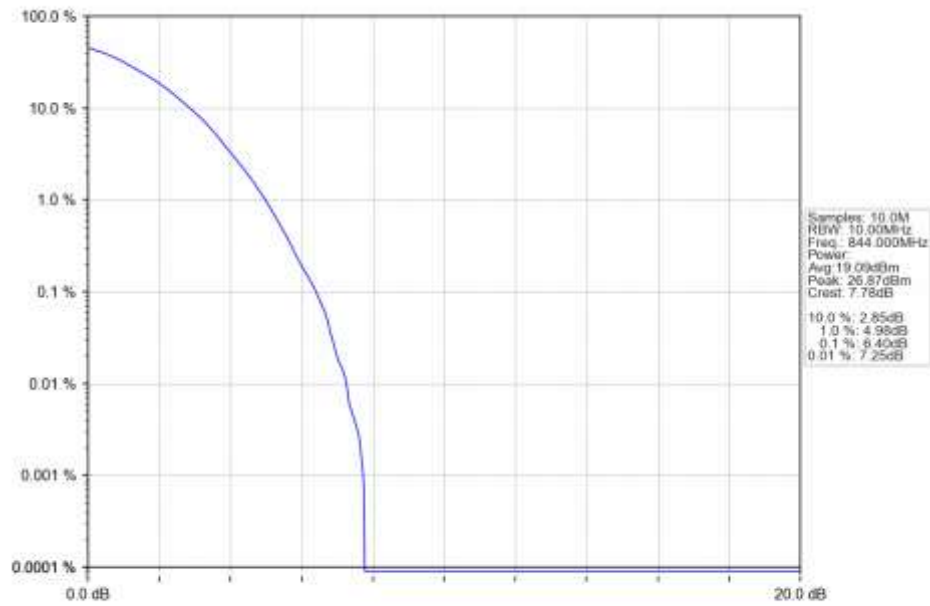
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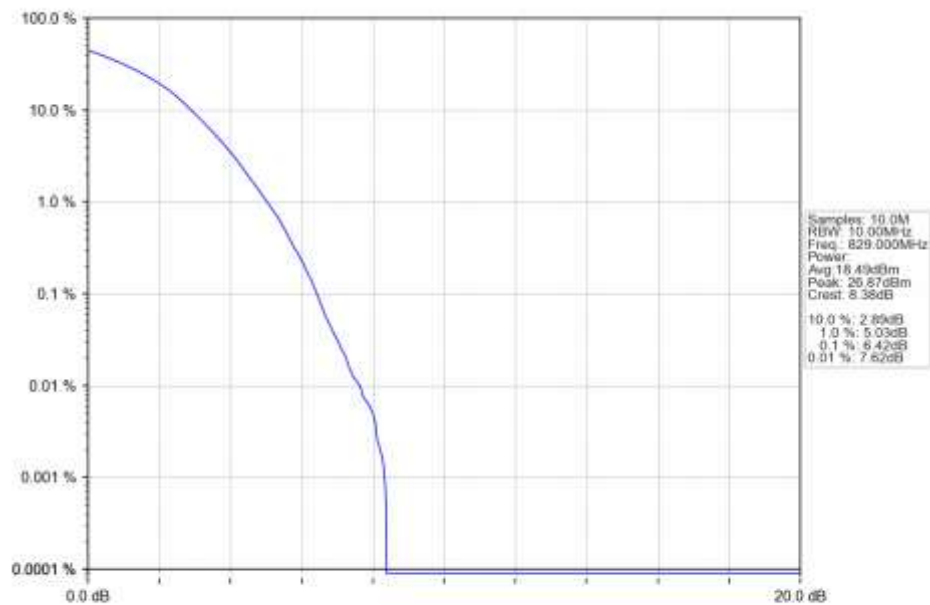
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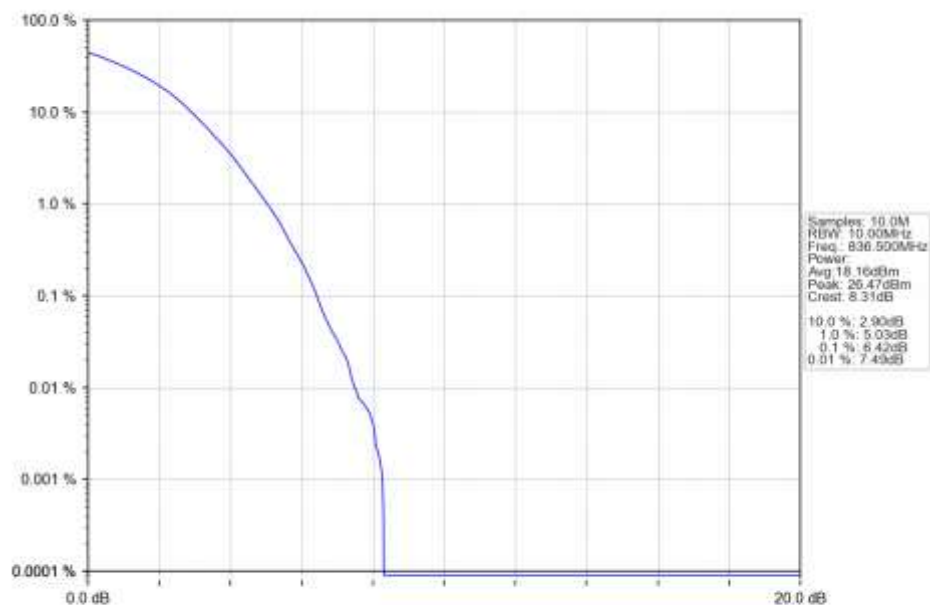
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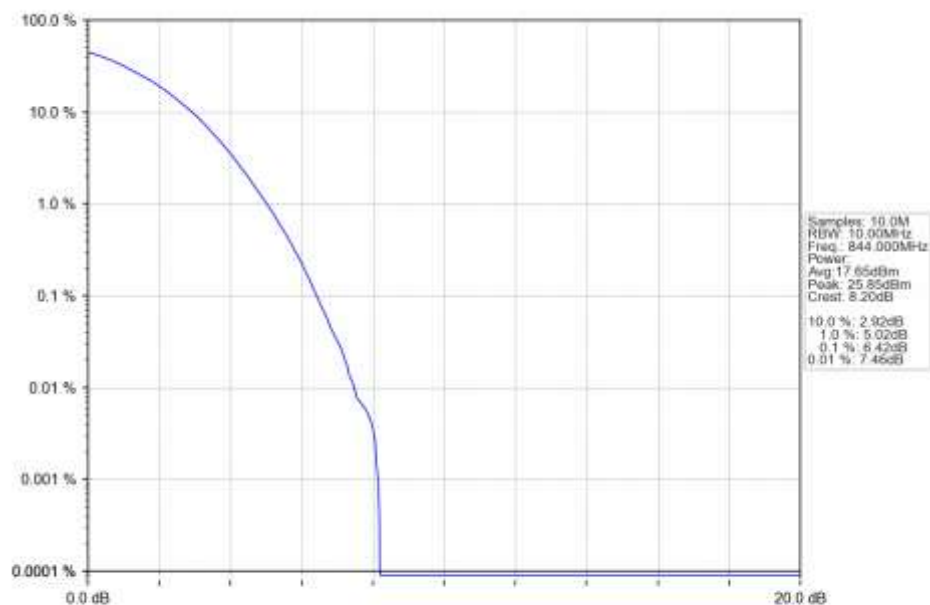
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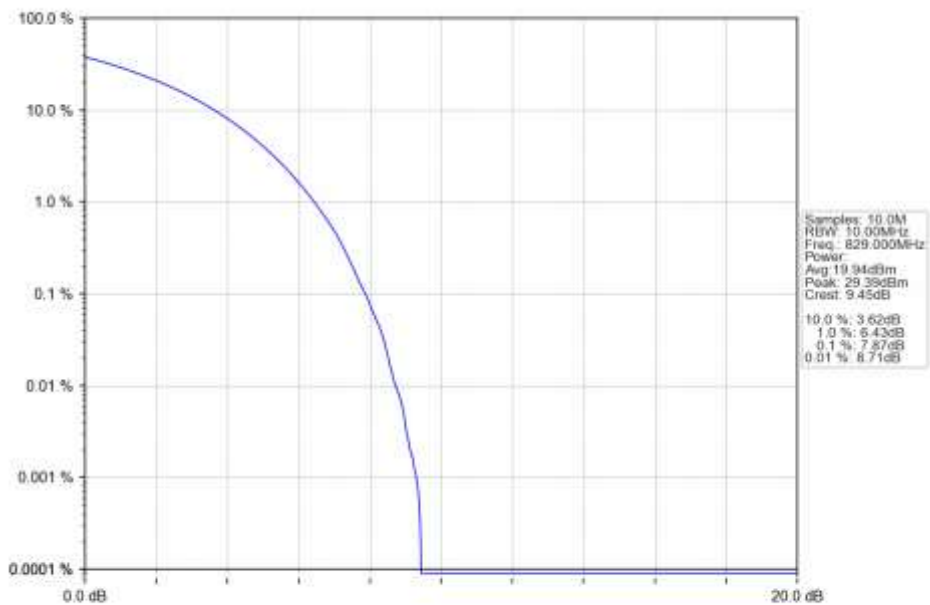
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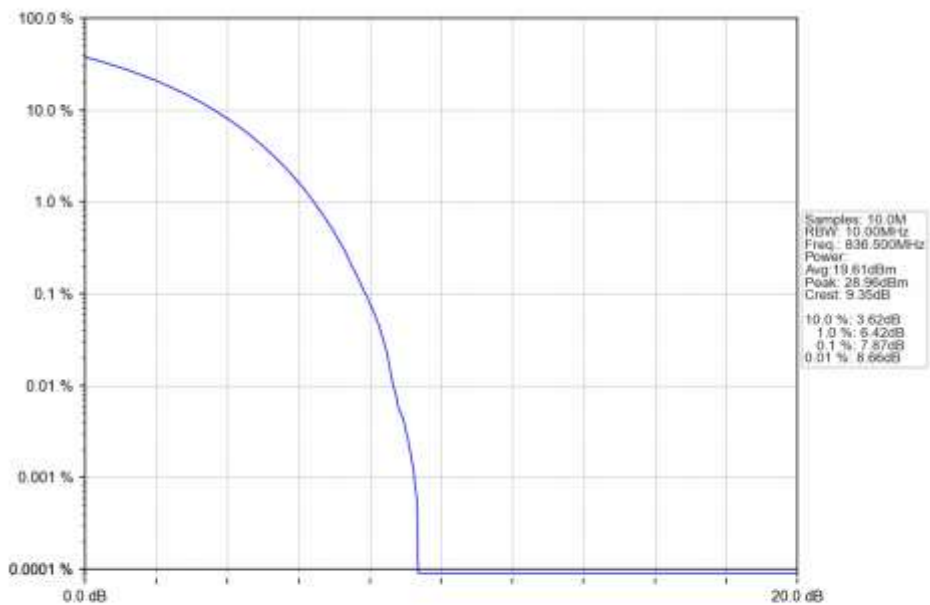
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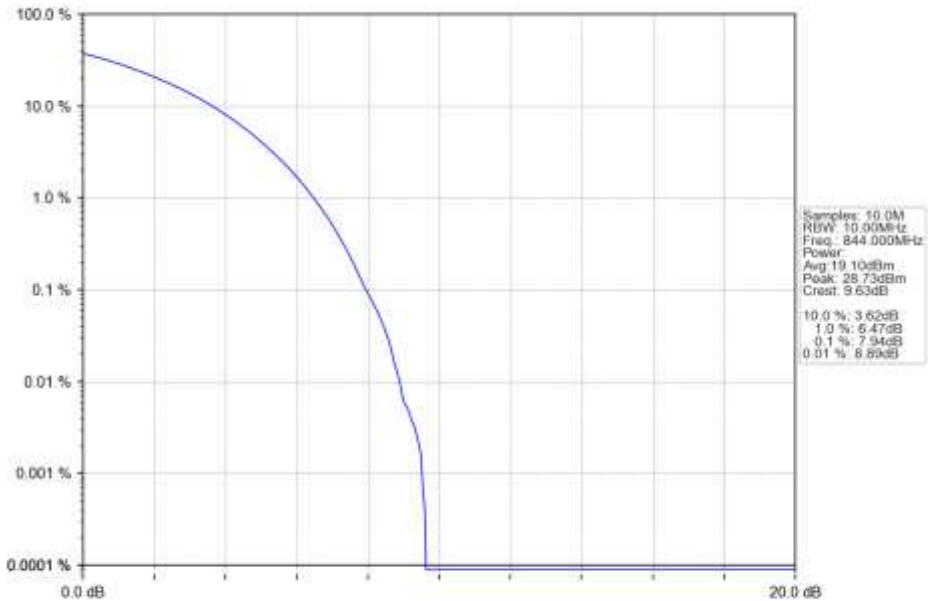
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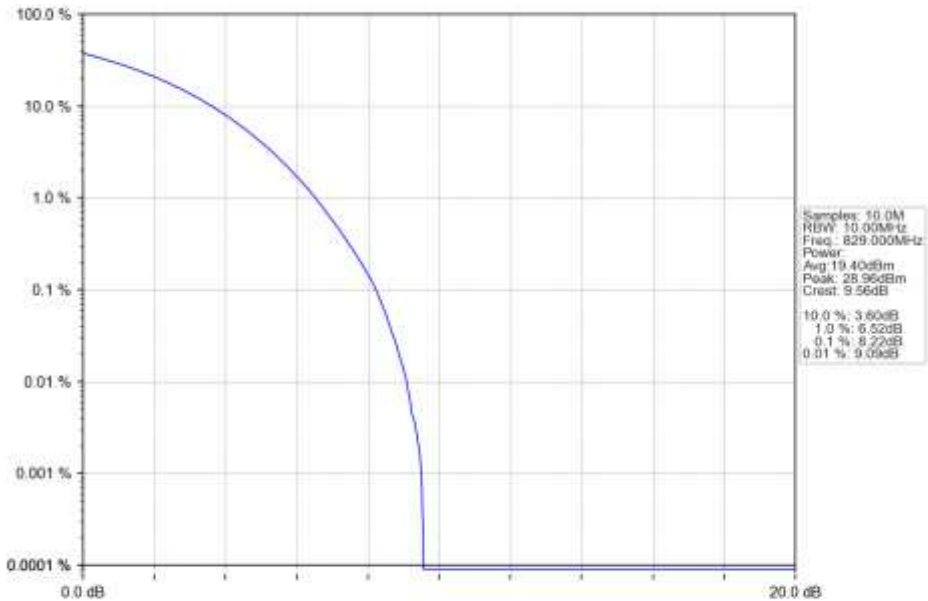
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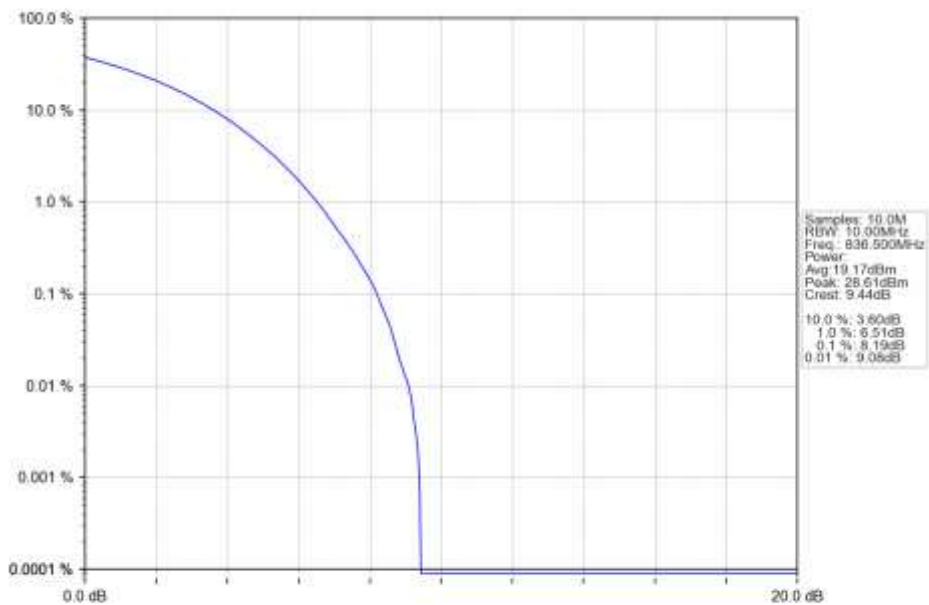
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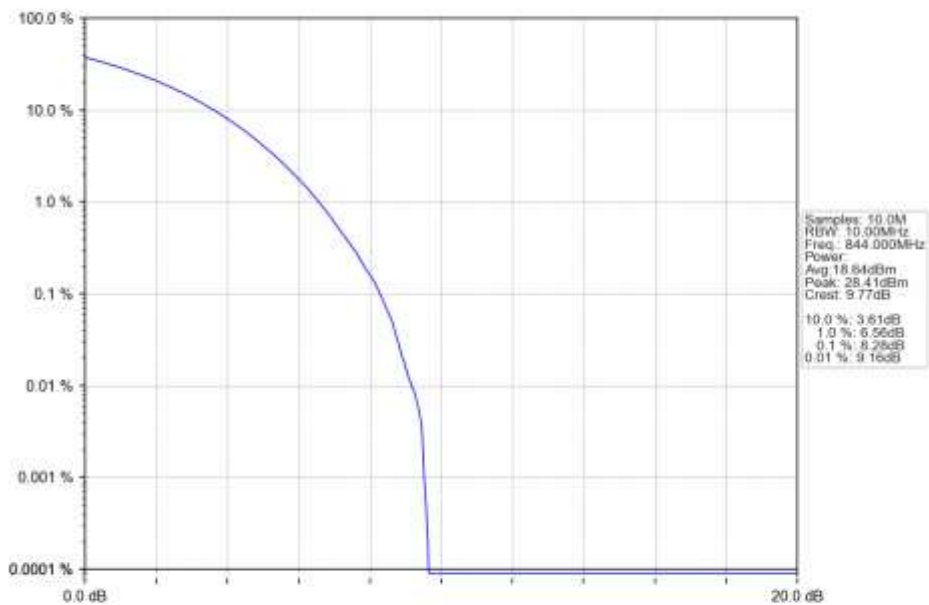
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_829MHz_Outer_Full_Ant1



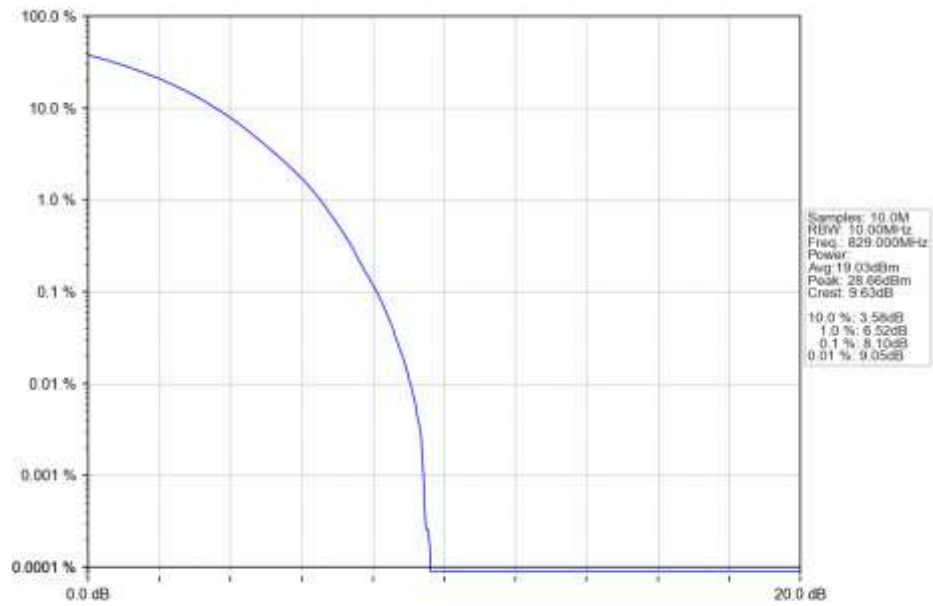
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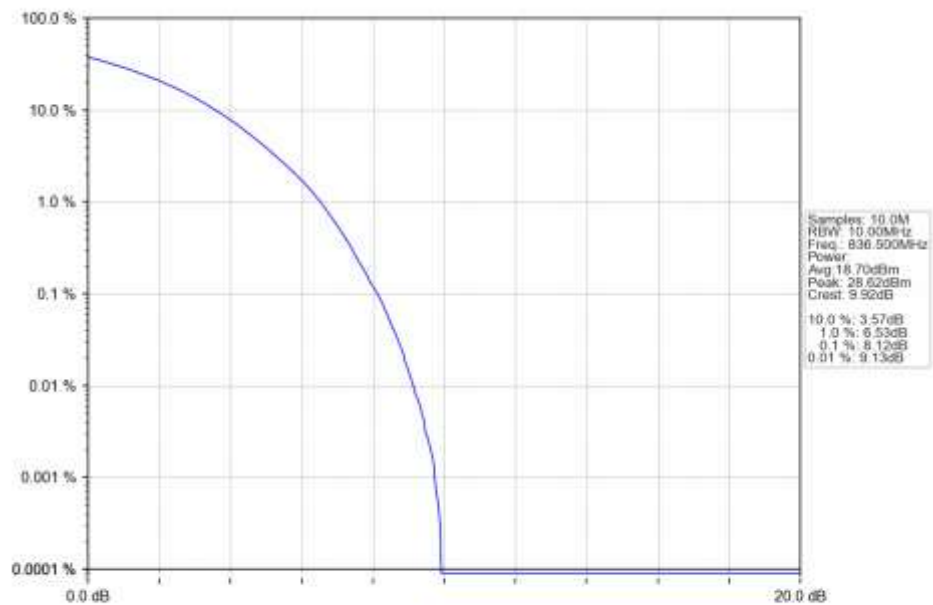
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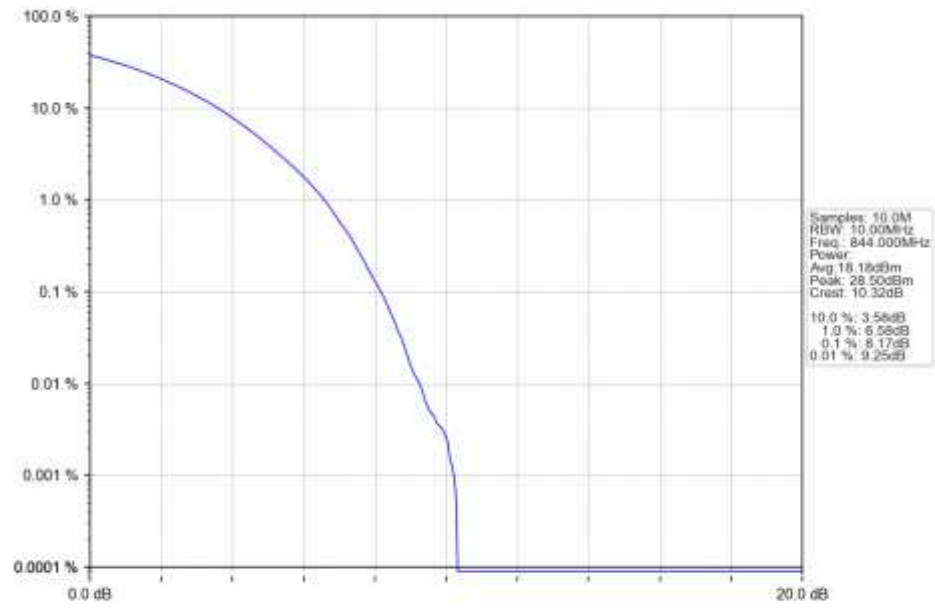
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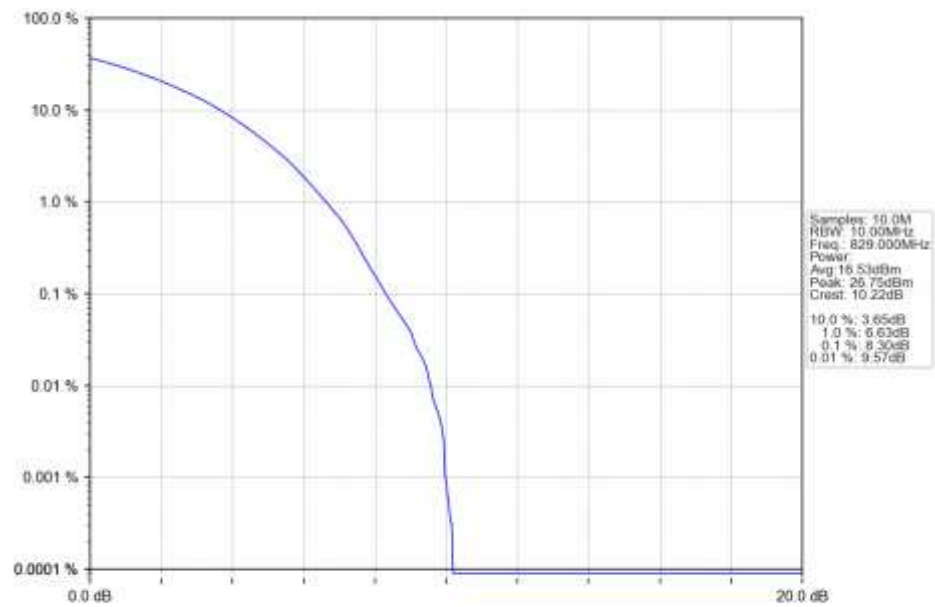
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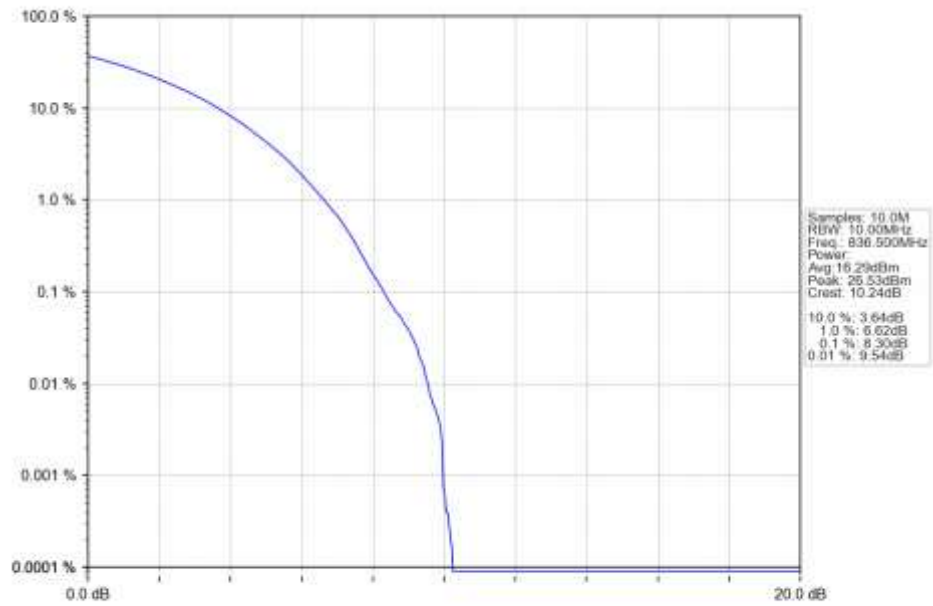
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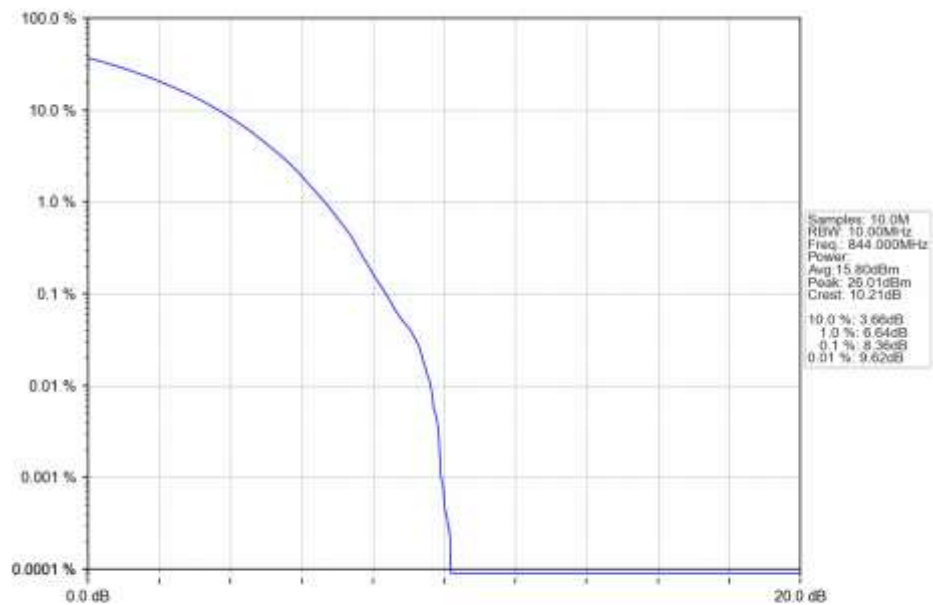
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_829MHz_Outer_Full_Ant1



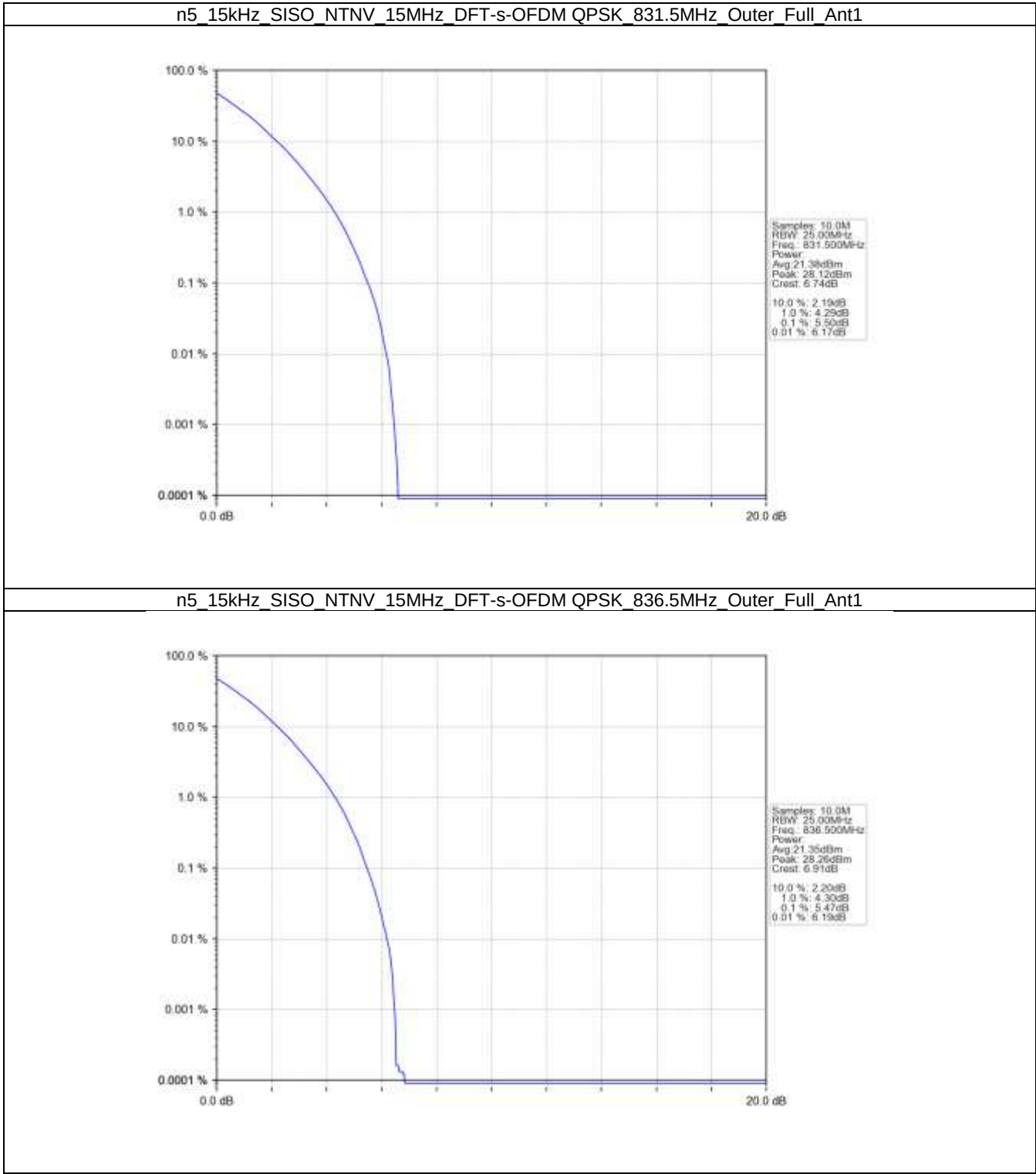
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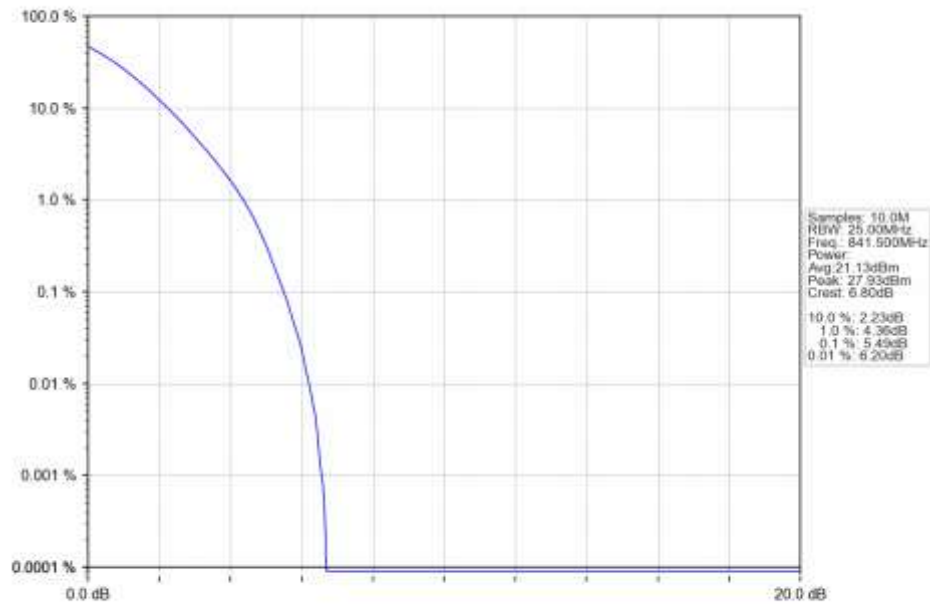
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_844MHz_Outer_Full_Ant1



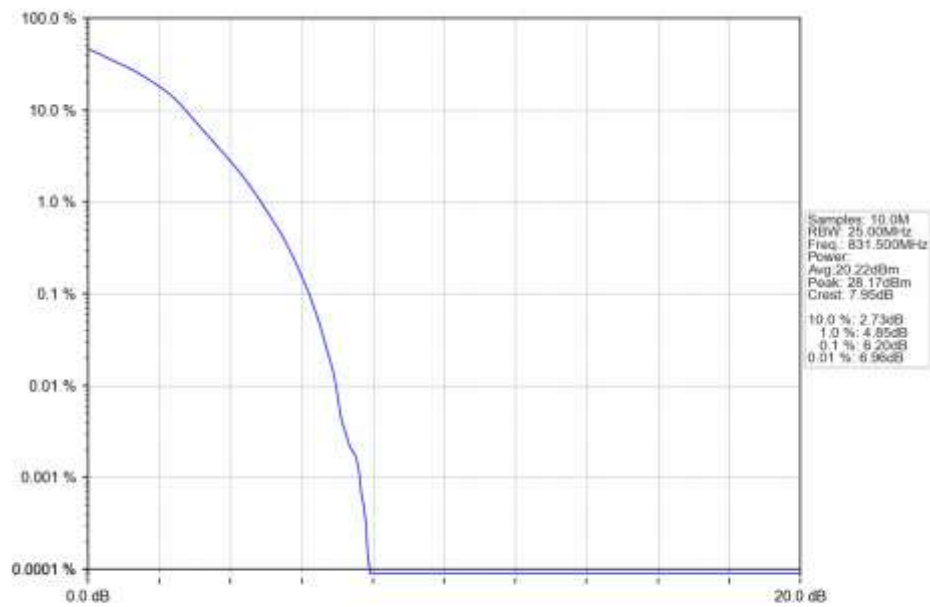
5.2.3 15k_SISO_15MHz_NTNV



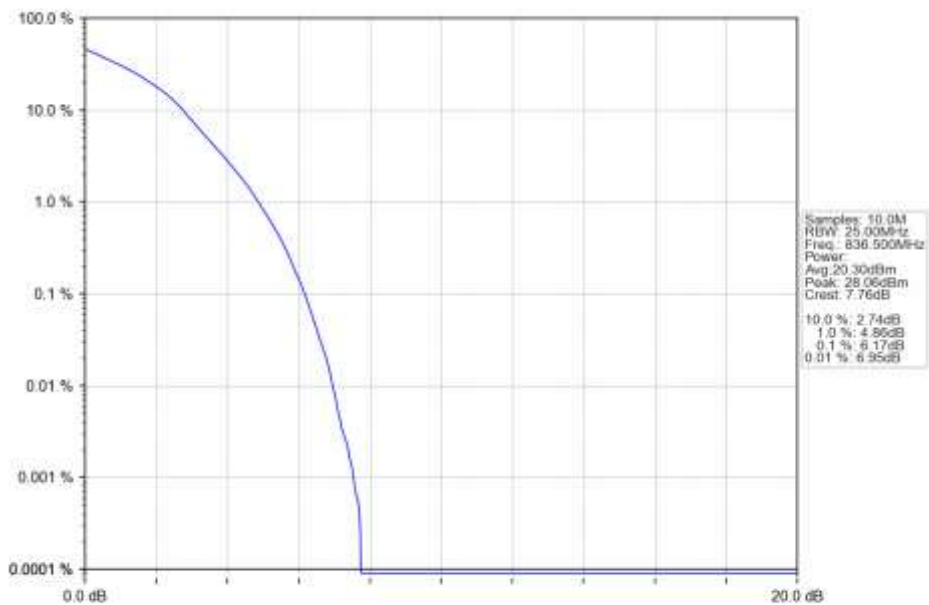
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_841.5MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16QAM_831.5MHz_Outer_Full_Ant1



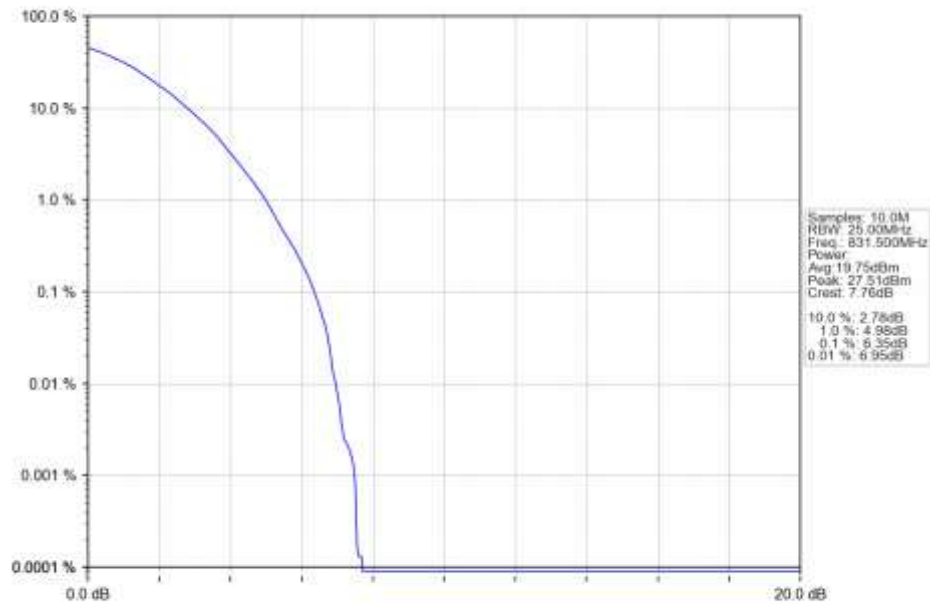
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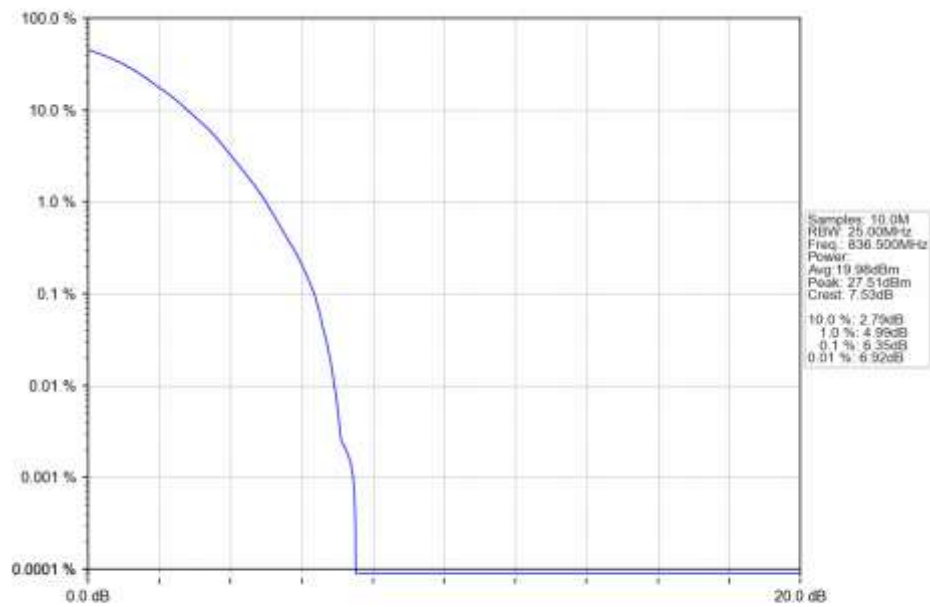
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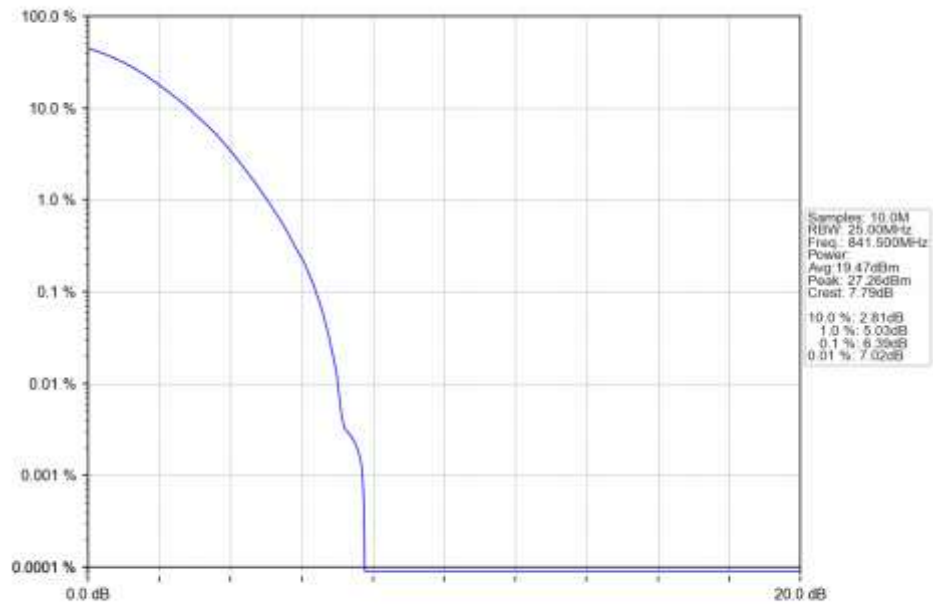
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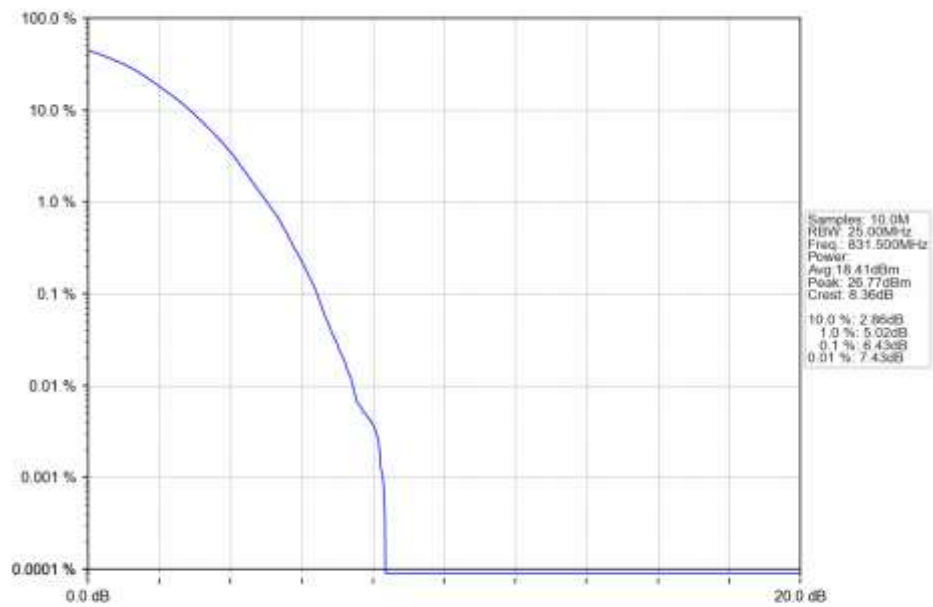
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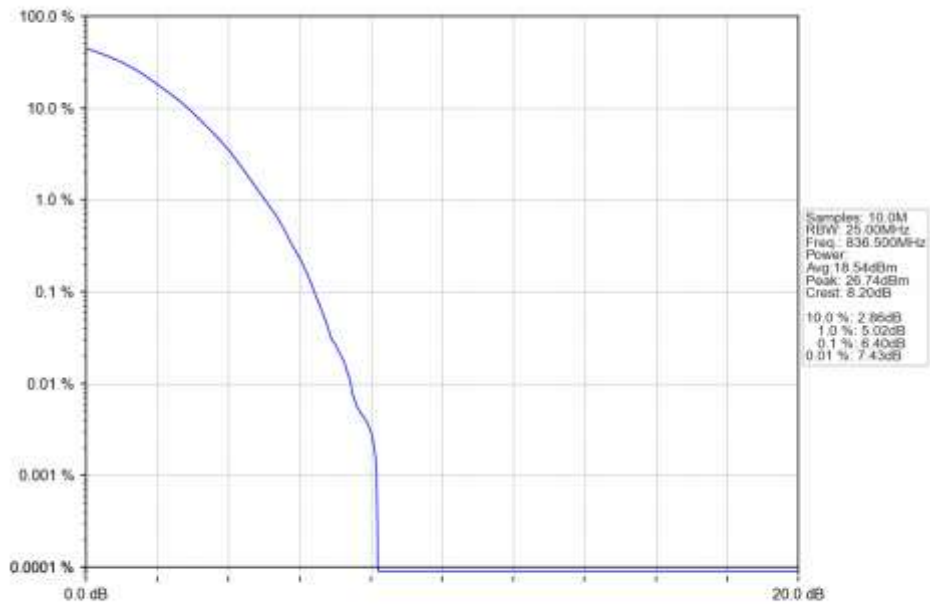
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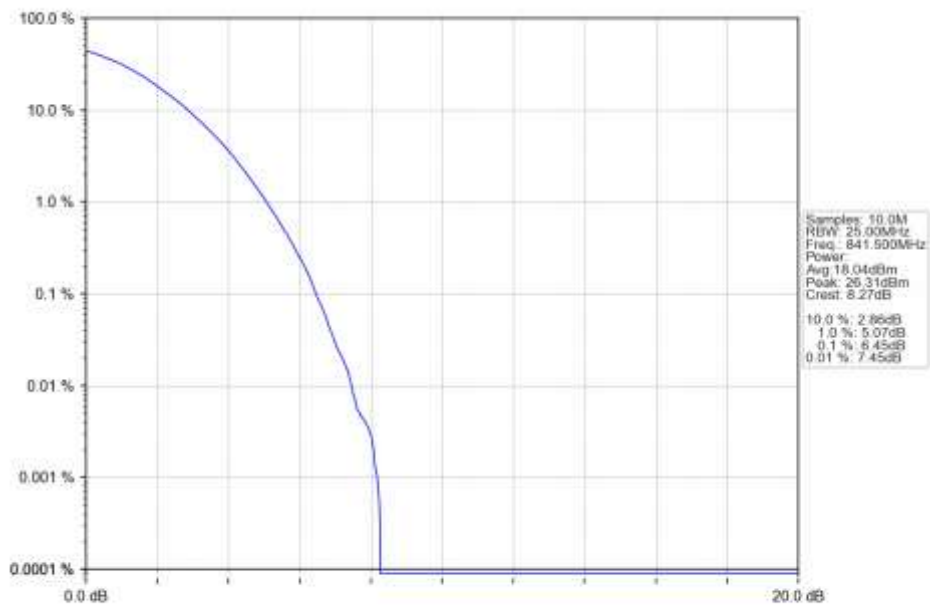
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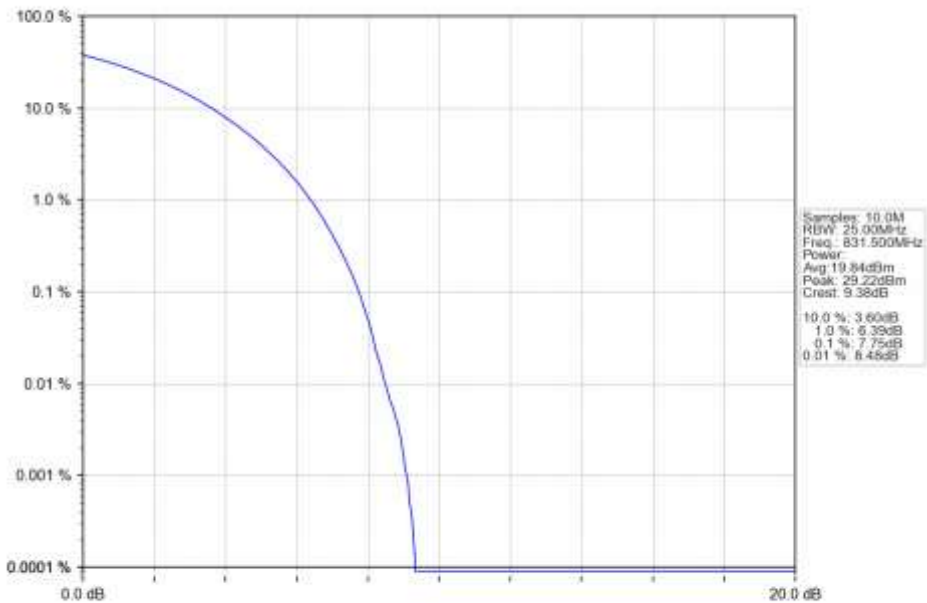
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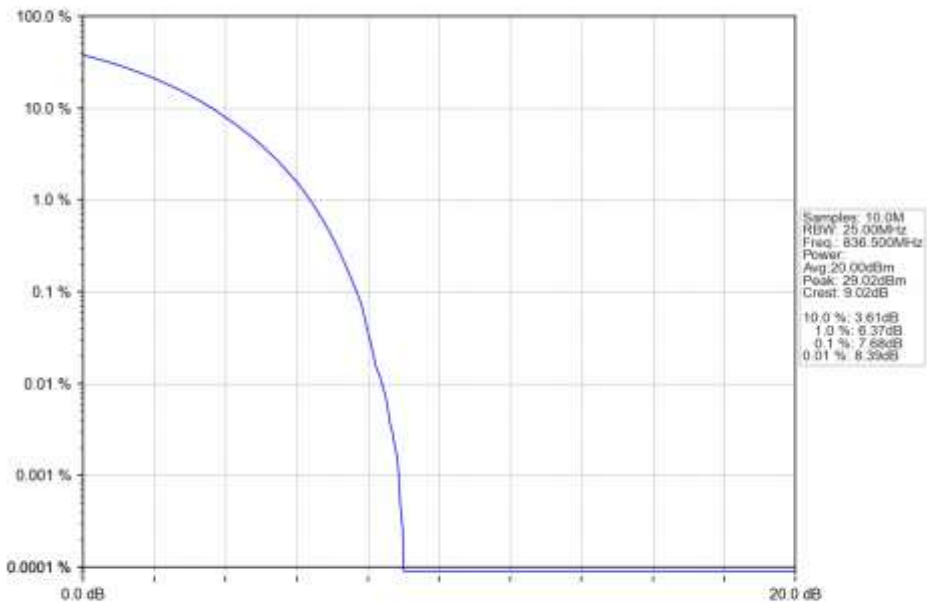
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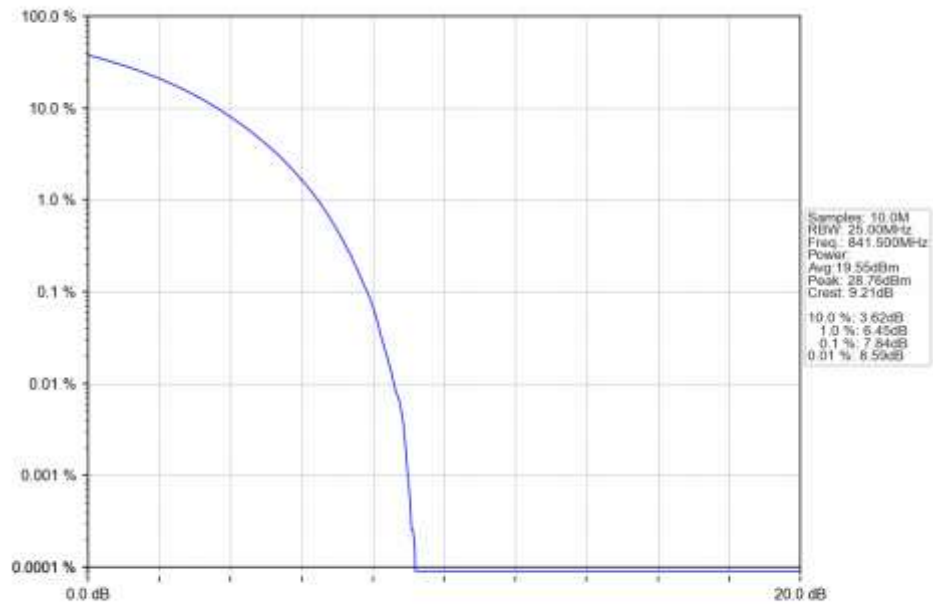
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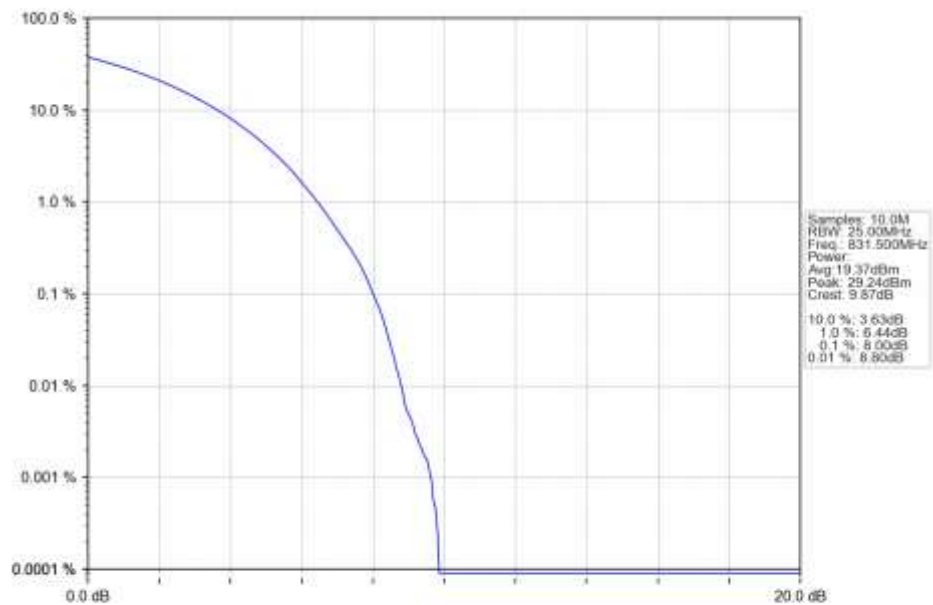
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



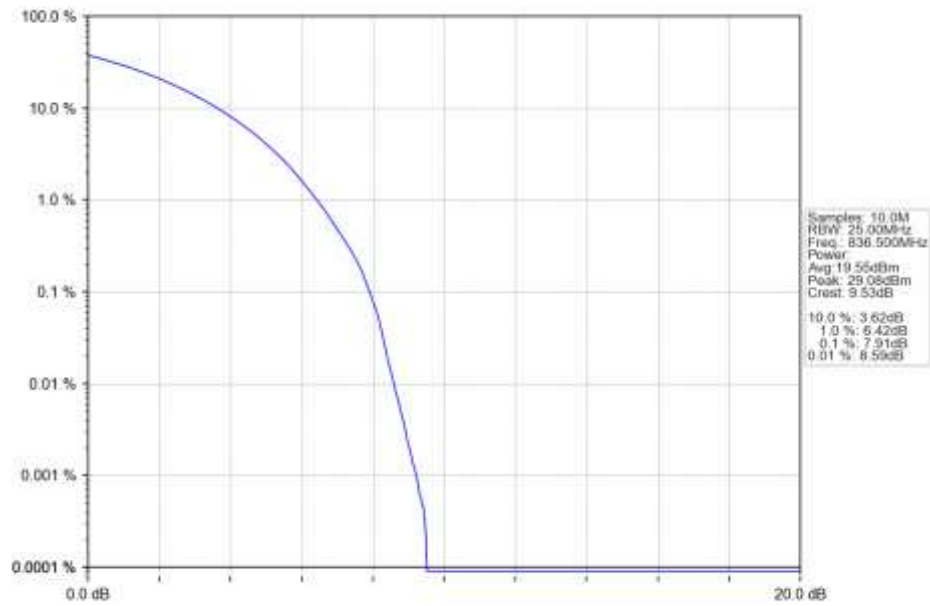
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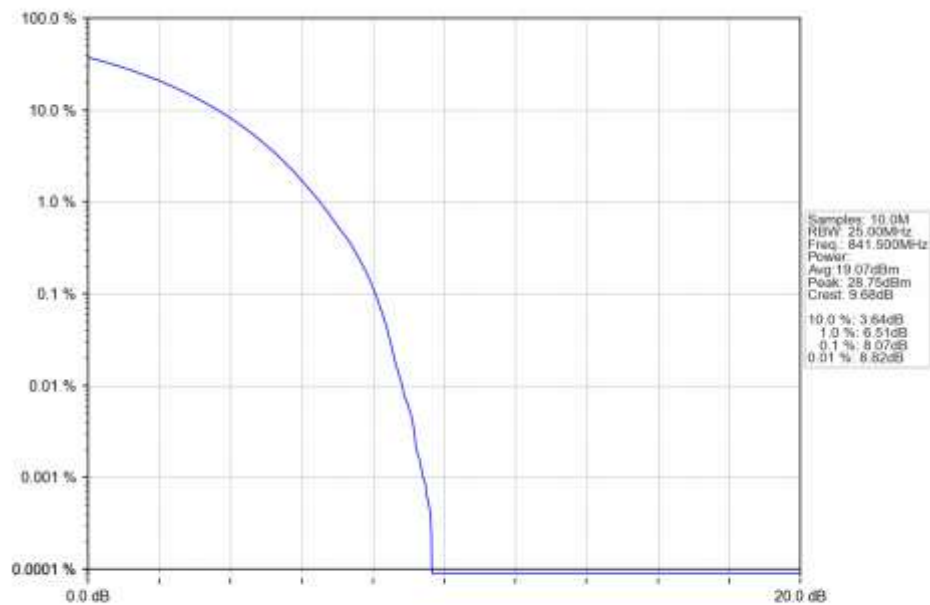
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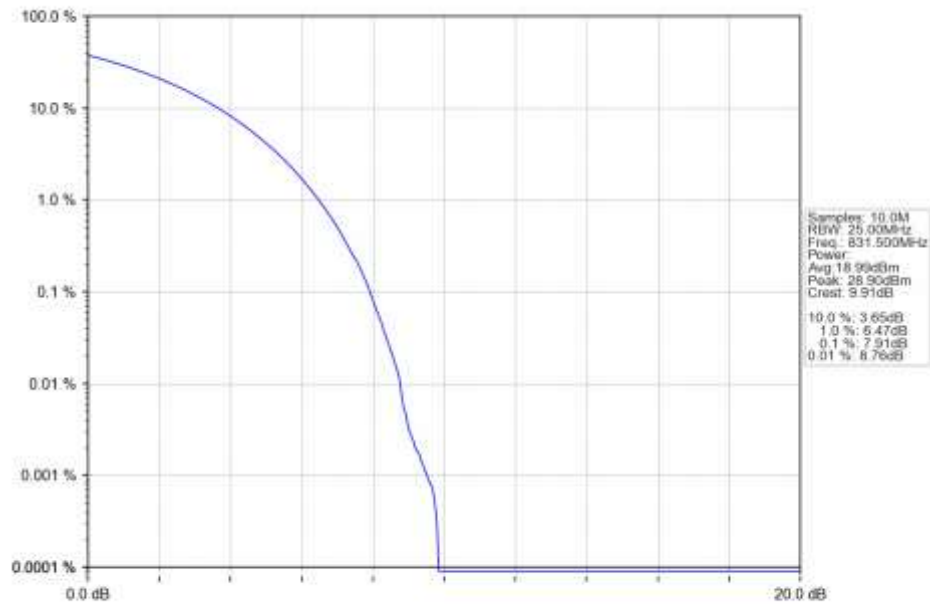
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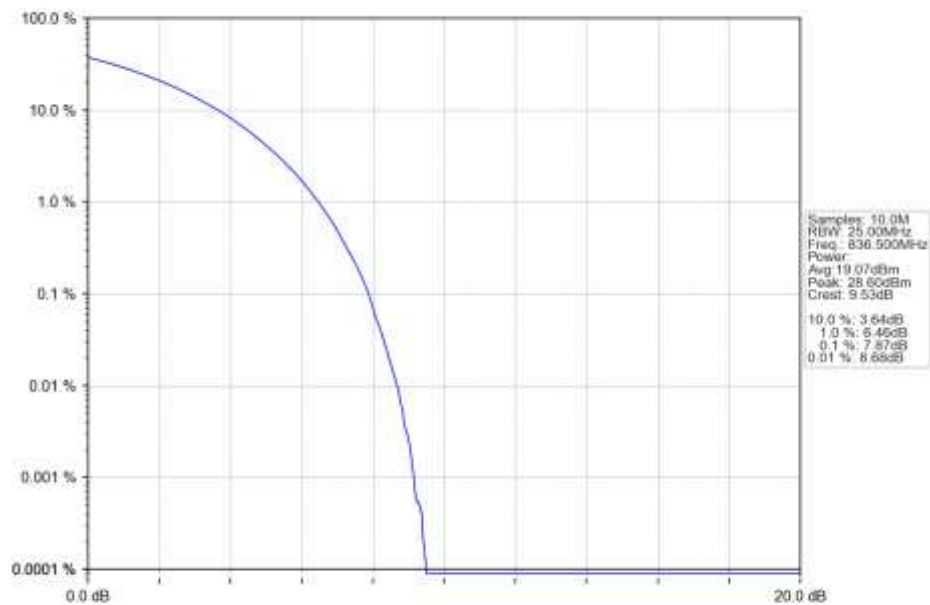
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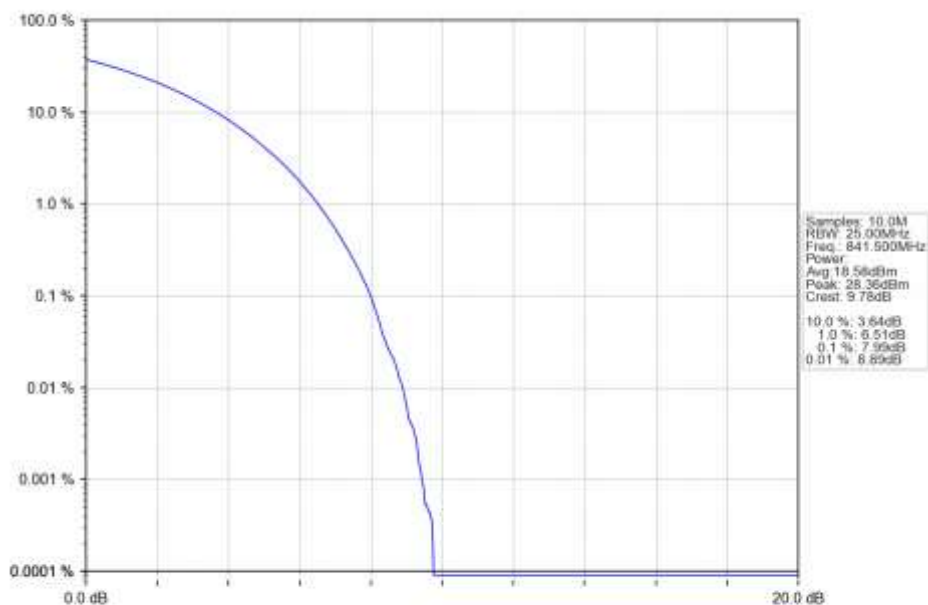
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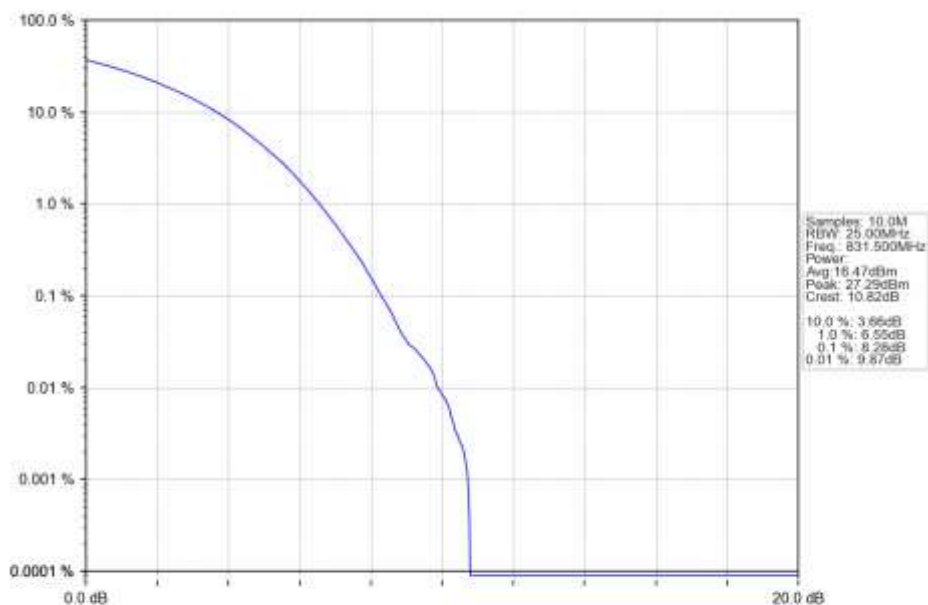
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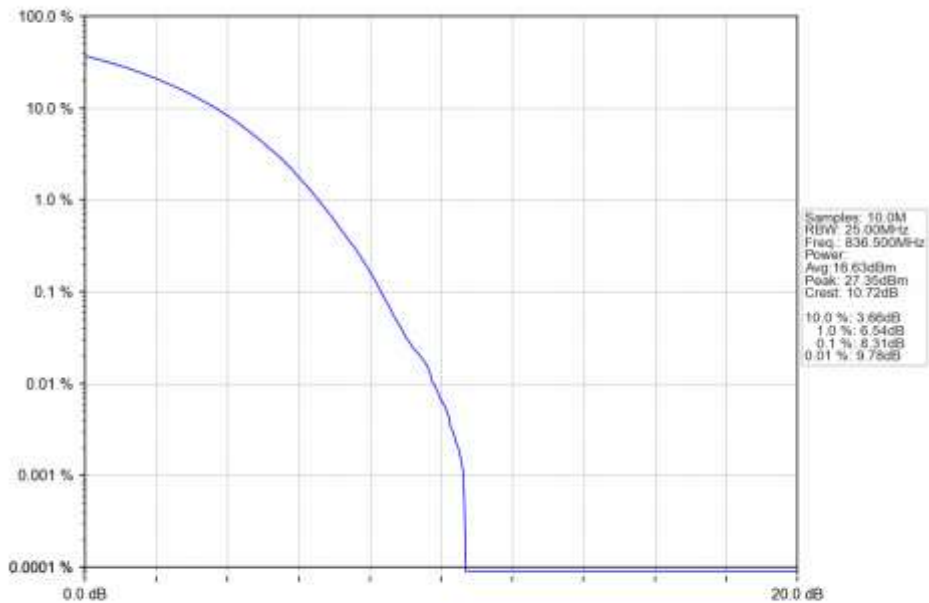
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM 841.5MHz_Outer_Full_Ant1



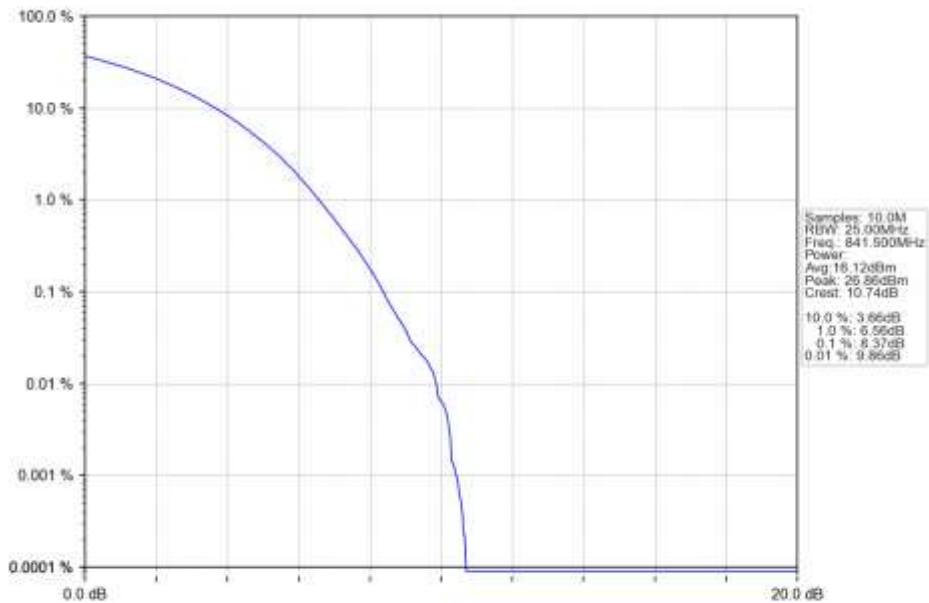
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM 831.5MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1

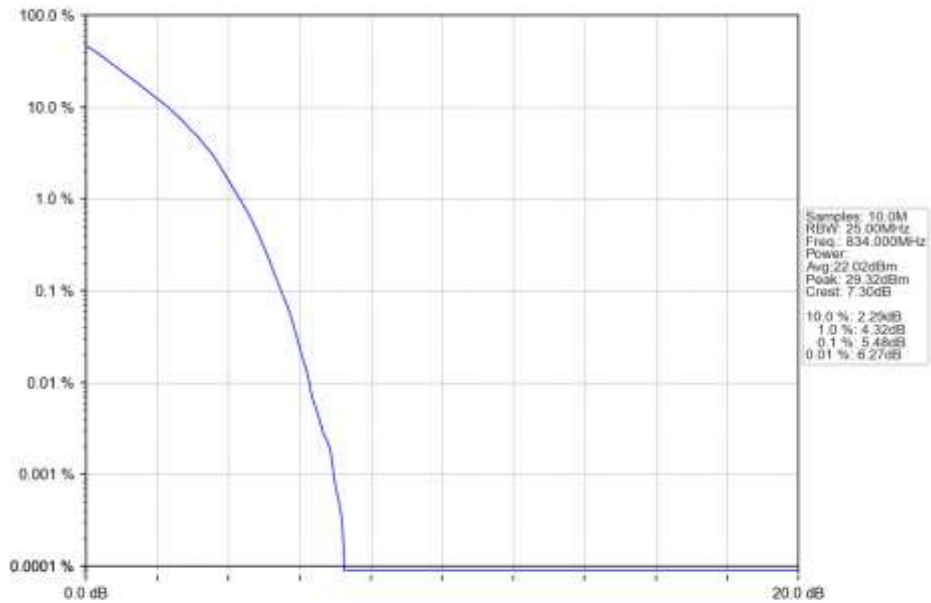


n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_841.5MHz_Outer_Full_Ant1

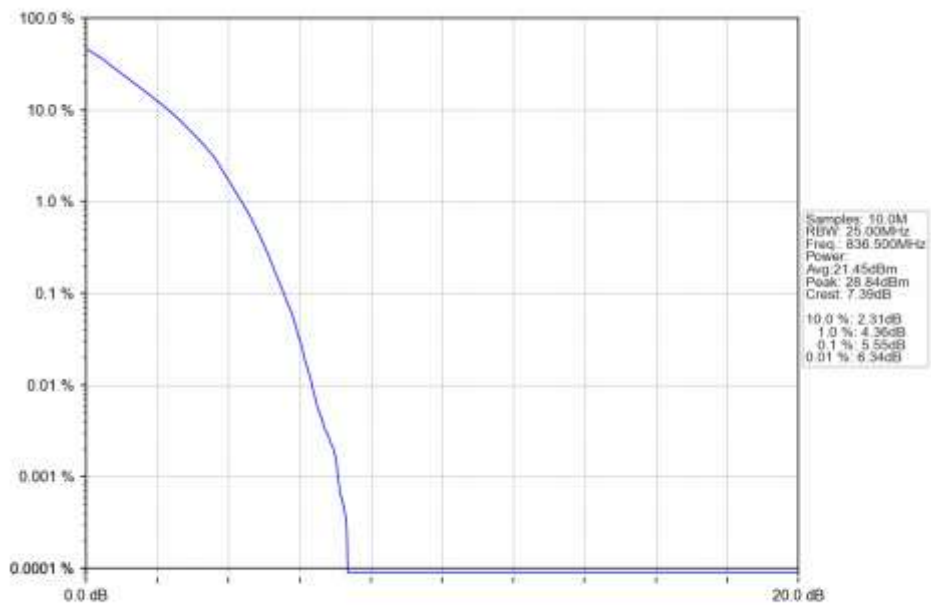


5.2.4 15k_SISO_20MHz_NTNV

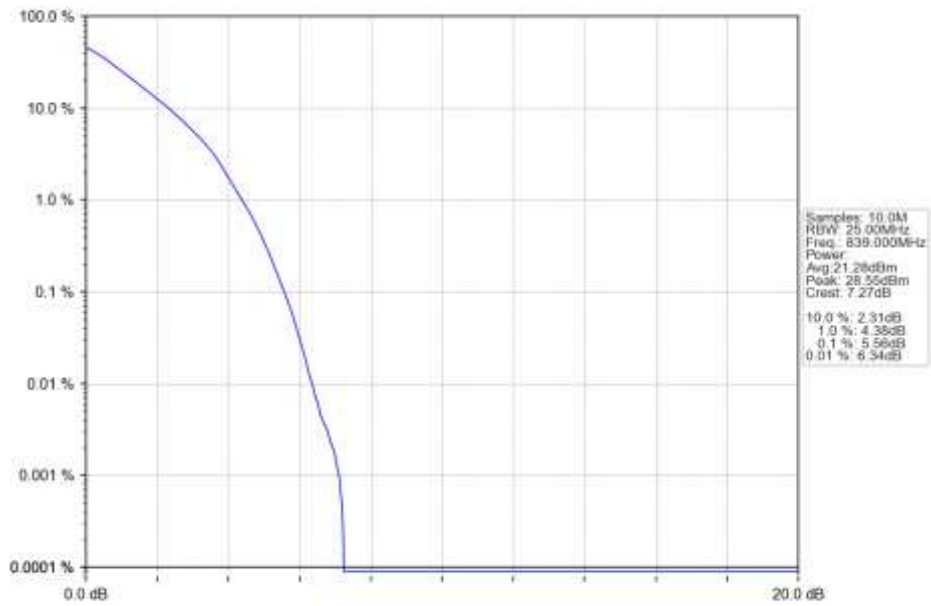
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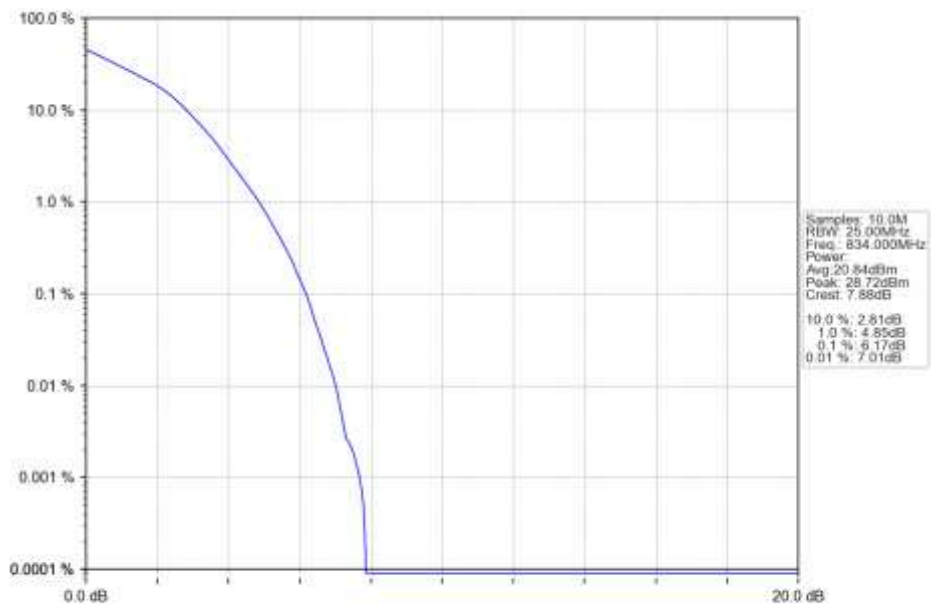
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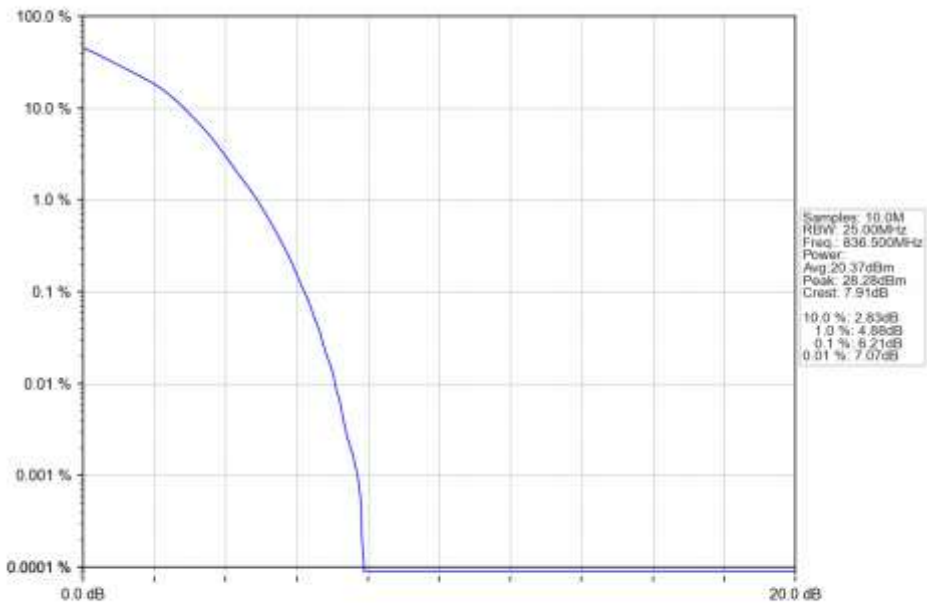
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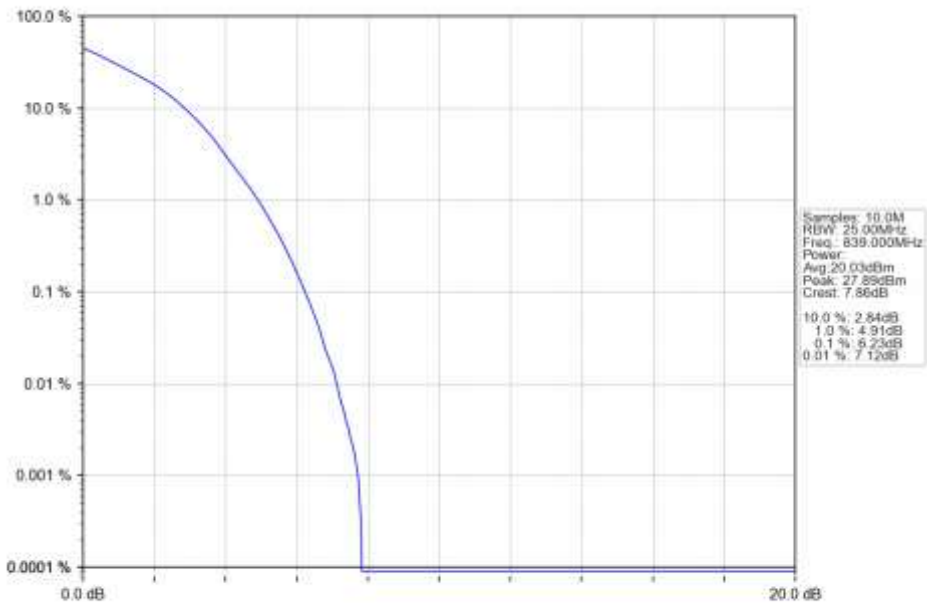
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16QAM_834MHz_Outer_Full_Ant1



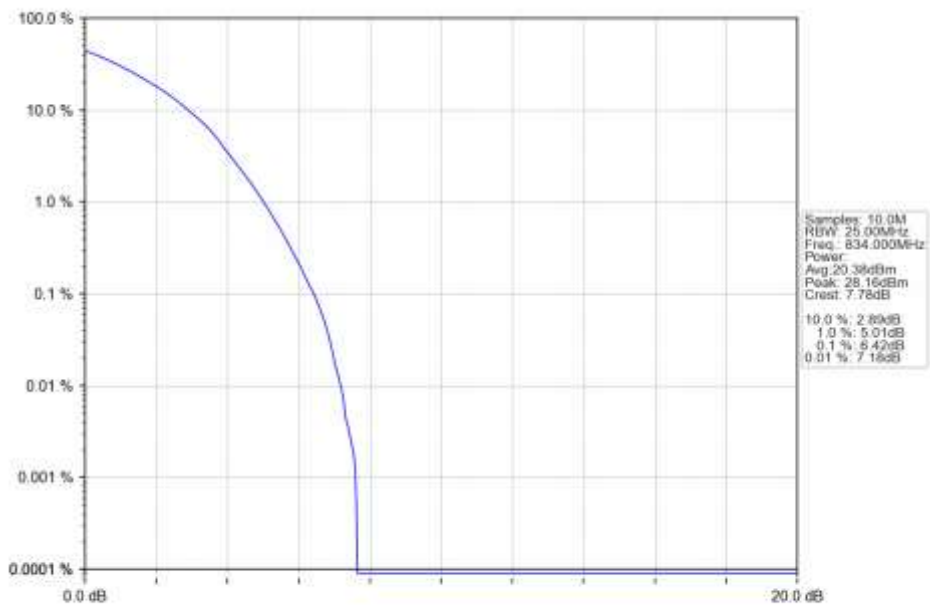
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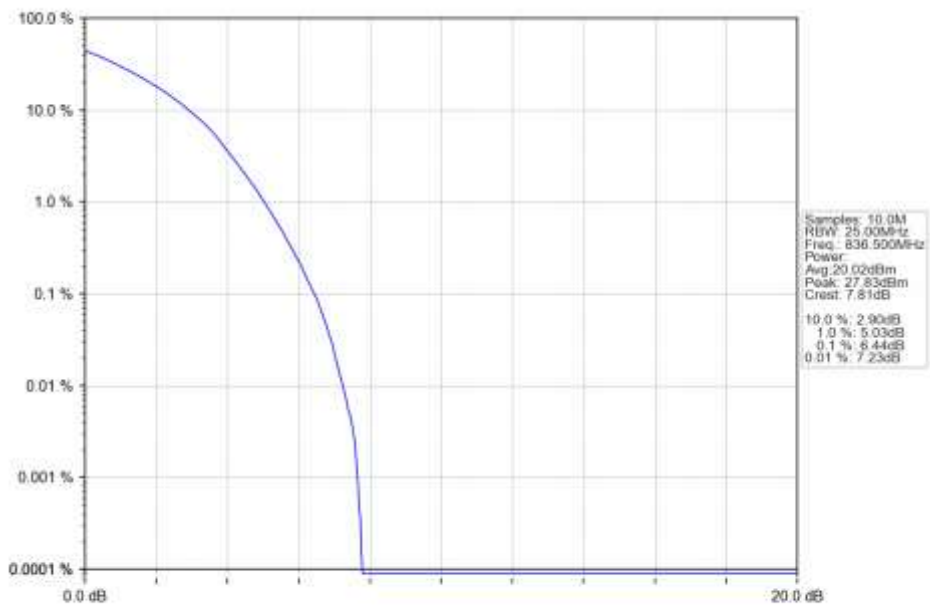
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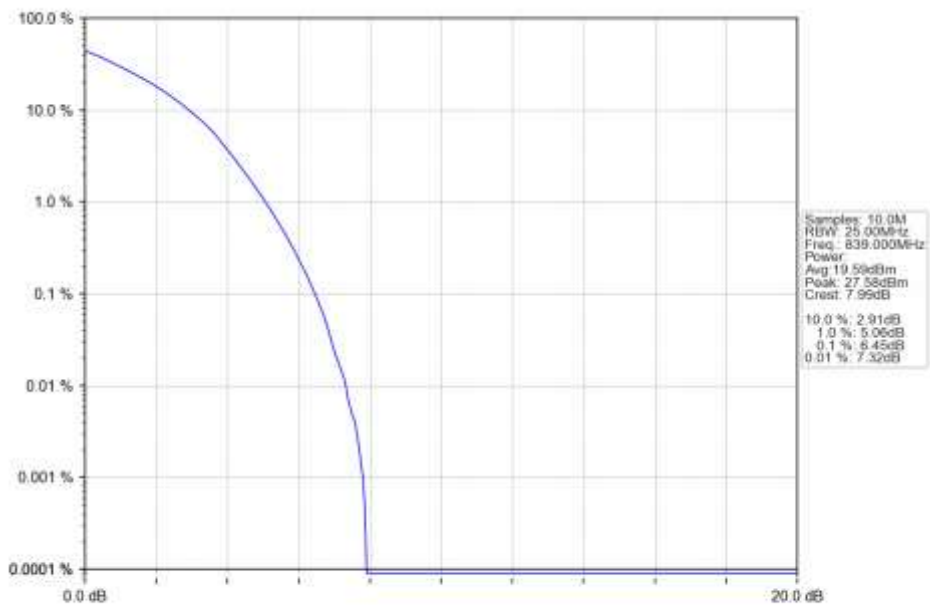
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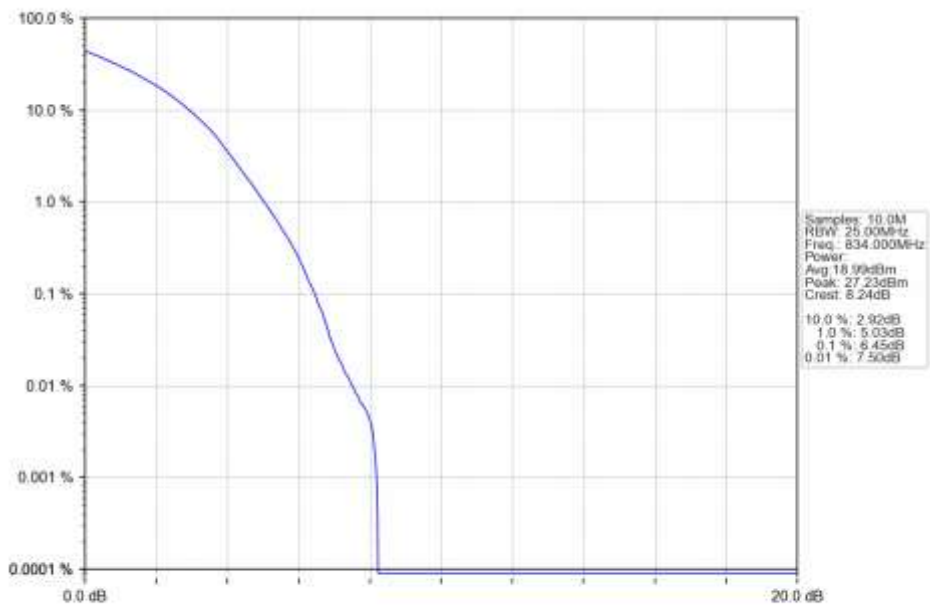
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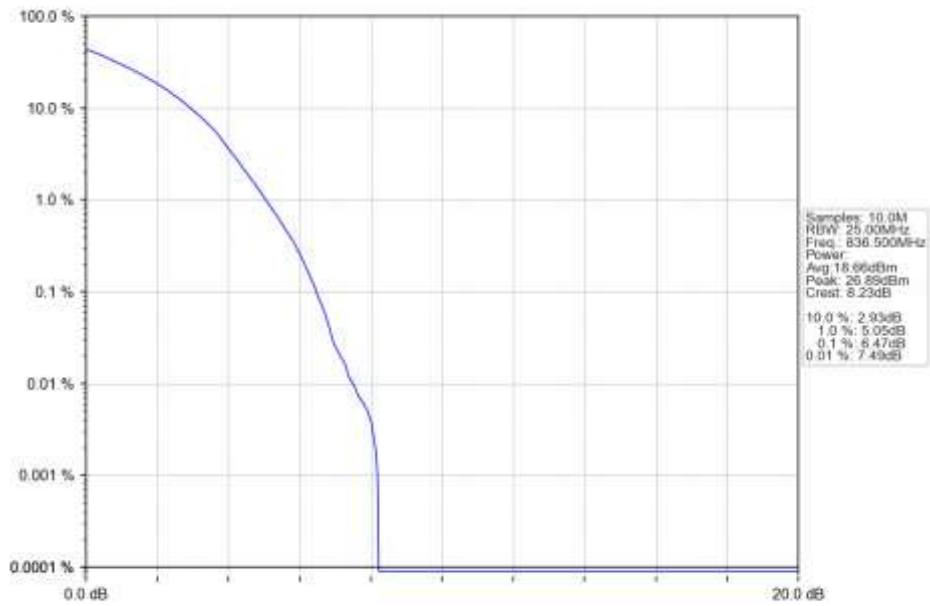
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_839MHz_Outer_Full_Ant1



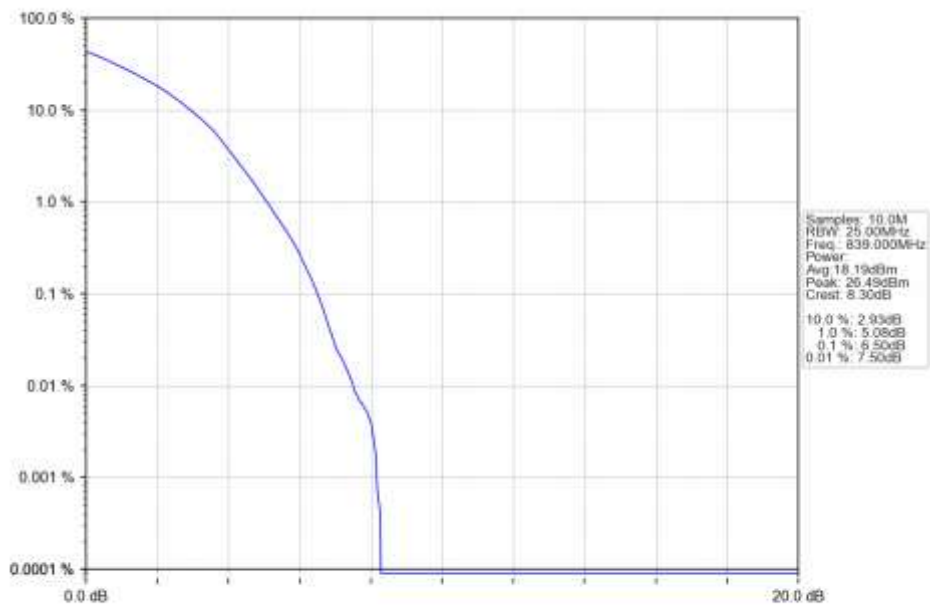
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_834MHz_Outer_Full_Ant1



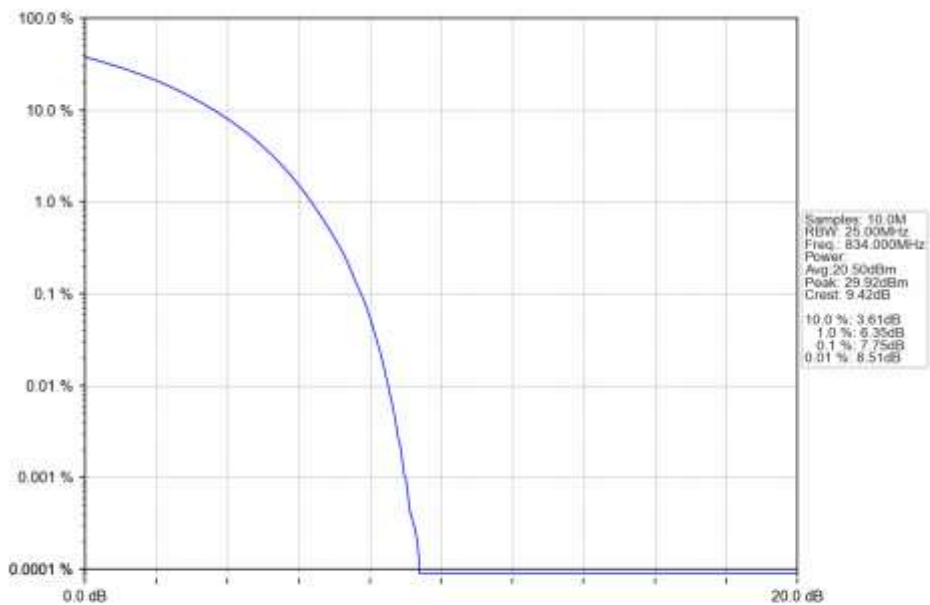
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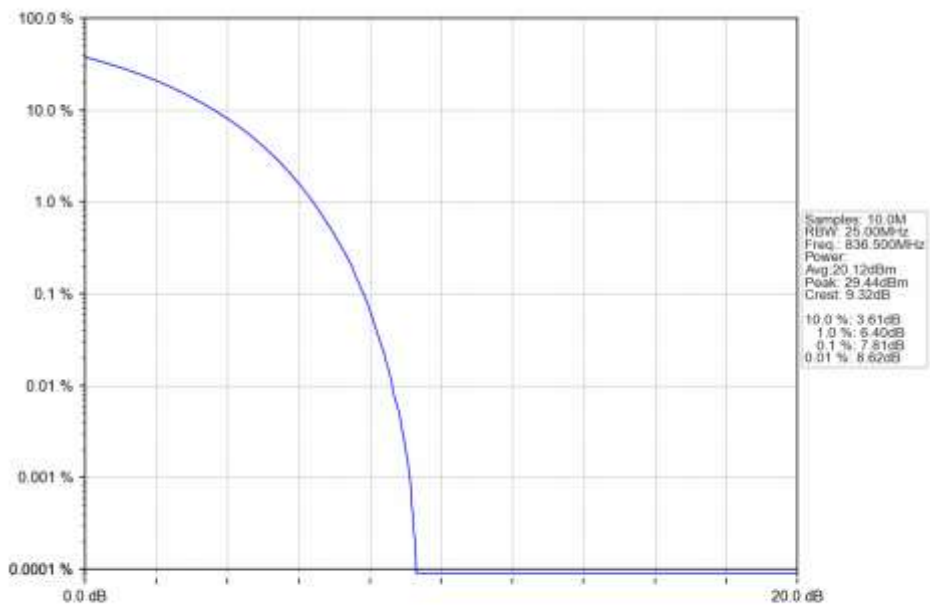
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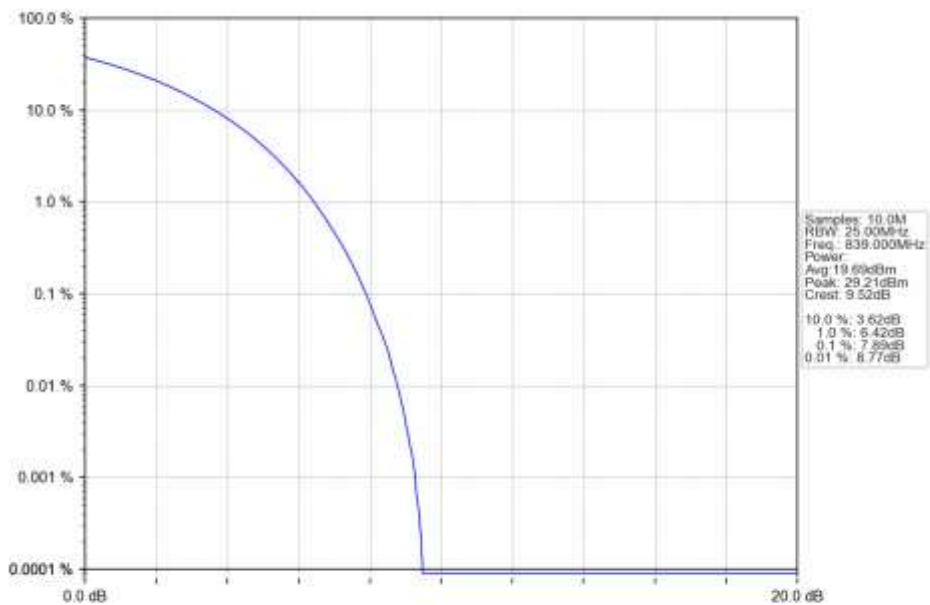
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_834MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_839MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_834MHz_Outer_Full_Ant1

