

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	20.71	/	/	17.09	/	/	<=38.45	Pass
		Edge_1RB_Right	20.66	/	/	17.04	/	/	<=38.45	Pass
		Outer_Full	21.02	/	/	17.40	/	/	<=38.45	Pass
		Inner_Full	21.12	/	/	17.50	/	/	<=38.45	Pass
		Inner_1RB_Left	21.27	/	/	17.65	/	/	<=38.45	Pass
		Inner_1RB_Right	21.19	/	/	17.57	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.68	/	/	17.06	/	/	<=38.45	Pass
		Edge_1RB_Right	20.51	/	/	16.89	/	/	<=38.45	Pass
		Outer_Full	20.60	/	/	16.98	/	/	<=38.45	Pass
		Inner_Full	20.95	/	/	17.33	/	/	<=38.45	Pass
		Inner_1RB_Left	21.09	/	/	17.47	/	/	<=38.45	Pass
		Inner_1RB_Right	20.97	/	/	17.35	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.35	/	/	16.73	/	/	<=38.45	Pass
		Edge_1RB_Right	18.67	/	/	15.05	/	/	<=38.45	Pass
		Outer_Full	20.11	/	/	16.49	/	/	<=38.45	Pass
		Inner_Full	21.08	/	/	17.46	/	/	<=38.45	Pass
		Inner_1RB_Left	21.06	/	/	17.44	/	/	<=38.45	Pass
		Inner_1RB_Right	19.40	/	/	15.78	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge_1RB_Left	19.67	/	/	16.05	/	/	<=38.45	Pass
		Edge_1RB_Right	19.52	/	/	15.90	/	/	<=38.45	Pass
		Outer_Full	19.53	/	/	15.91	/	/	<=38.45	Pass
		Inner_Full	20.01	/	/	16.39	/	/	<=38.45	Pass
		Inner_1RB_Left	20.18	/	/	16.56	/	/	<=38.45	Pass
		Inner_1RB_Right	20.11	/	/	16.49	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.82	/	/	16.20	/	/	<=38.45	Pass
		Edge_1RB_Right	19.70	/	/	16.08	/	/	<=38.45	Pass
		Outer_Full	19.47	/	/	15.85	/	/	<=38.45	Pass
		Inner_Full	20.36	/	/	16.74	/	/	<=38.45	Pass
		Inner_1RB_Left	20.28	/	/	16.66	/	/	<=38.45	Pass
		Inner_1RB_Right	20.04	/	/	16.42	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	19.70	/	/	16.08	/	/	<=38.45	Pass
		Edge_1RB_Right	18.02	/	/	14.40	/	/	<=38.45	Pass
		Outer_Full	19.34	/	/	15.72	/	/	<=38.45	Pass
		Inner_Full	19.79	/	/	16.17	/	/	<=38.45	Pass
		Inner_1RB_Left	20.16	/	/	16.54	/	/	<=38.45	Pass
		Inner_1RB_Right	18.54	/	/	14.92	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge_1RB_Left	19.48	/	/	15.86	/	/	<=38.45	Pass
		Edge_1RB_Right	19.27	/	/	15.65	/	/	<=38.45	Pass
		Outer_Full	19.05	/	/	15.43	/	/	<=38.45	Pass
		Inner_Full	18.96	/	/	15.34	/	/	<=38.45	Pass
		Inner_1RB_Left	19.46	/	/	15.84	/	/	<=38.45	Pass
		Inner_1RB_Right	19.24	/	/	15.62	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.42	/	/	15.80	/	/	<=38.45	Pass
		Edge_1RB_Right	19.14	/	/	15.52	/	/	<=38.45	Pass
		Outer_Full	19.30	/	/	15.68	/	/	<=38.45	Pass
		Inner_Full	19.40	/	/	15.78	/	/	<=38.45	Pass
		Inner_1RB_Left	19.85	/	/	16.23	/	/	<=38.45	Pass
		Inner_1RB_Right	19.65	/	/	16.03	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	19.28	/	/	15.66	/	/	<=38.45	Pass

		Edge_1RB_Right	17.59	/	/	13.97	/	/	<=38.45	Pass
		Outer_Full	18.58	/	/	14.96	/	/	<=38.45	Pass
		Inner_Full	18.73	/	/	15.11	/	/	<=38.45	Pass
		Inner_1RB_Left	19.28	/	/	15.66	/	/	<=38.45	Pass
		Inner_1RB_Right	17.68	/	/	14.06	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Edge_1RB_Left	17.75	/	/	14.13	/	/	<=38.45	Pass
		Edge_1RB_Right	17.57	/	/	13.95	/	/	<=38.45	Pass
		Outer_Full	17.81	/	/	14.19	/	/	<=38.45	Pass
		Inner_Full	17.60	/	/	13.98	/	/	<=38.45	Pass
		Inner_1RB_Left	17.75	/	/	14.13	/	/	<=38.45	Pass
		Inner_1RB_Right	17.57	/	/	13.95	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.82	/	/	14.20	/	/	<=38.45	Pass
		Edge_1RB_Right	17.69	/	/	14.07	/	/	<=38.45	Pass
		Outer_Full	17.91	/	/	14.29	/	/	<=38.45	Pass
		Inner_Full	18.06	/	/	14.44	/	/	<=38.45	Pass
		Inner_1RB_Left	18.32	/	/	14.70	/	/	<=38.45	Pass
		Inner_1RB_Right	18.09	/	/	14.47	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	17.69	/	/	14.07	/	/	<=38.45	Pass
		Edge_1RB_Right	16.04	/	/	12.42	/	/	<=38.45	Pass
		Outer_Full	17.50	/	/	13.88	/	/	<=38.45	Pass
		Inner_Full	17.48	/	/	13.86	/	/	<=38.45	Pass
		Inner_1RB_Left	17.67	/	/	14.05	/	/	<=38.45	Pass
		Inner_1RB_Right	16.08	/	/	12.46	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	19.15	/	/	15.53	/	/	<=38.45	Pass
		Edge_1RB_Right	19.00	/	/	15.38	/	/	<=38.45	Pass
		Outer_Full	18.98	/	/	15.36	/	/	<=38.45	Pass
		Inner_Full	19.52	/	/	15.90	/	/	<=38.45	Pass
		Inner_1RB_Left	19.62	/	/	16.00	/	/	<=38.45	Pass
		Inner_1RB_Right	19.61	/	/	15.99	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.33	/	/	15.71	/	/	<=38.45	Pass
		Edge_1RB_Right	19.49	/	/	15.87	/	/	<=38.45	Pass
		Outer_Full	19.51	/	/	15.89	/	/	<=38.45	Pass
		Inner_Full	19.75	/	/	16.13	/	/	<=38.45	Pass
		Inner_1RB_Left	19.99	/	/	16.37	/	/	<=38.45	Pass
		Inner_1RB_Right	19.84	/	/	16.22	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	18.98	/	/	15.36	/	/	<=38.45	Pass
		Edge_1RB_Right	17.41	/	/	13.79	/	/	<=38.45	Pass
		Outer_Full	18.75	/	/	15.13	/	/	<=38.45	Pass
		Inner_Full	19.60	/	/	15.98	/	/	<=38.45	Pass
		Inner_1RB_Left	19.47	/	/	15.85	/	/	<=38.45	Pass
		Inner_1RB_Right	17.93	/	/	14.31	/	/	<=38.45	Pass
CP-OFDM 16 QAM	826.5	Edge_1RB_Left	18.80	/	/	15.18	/	/	<=38.45	Pass
		Edge_1RB_Right	18.77	/	/	15.15	/	/	<=38.45	Pass
		Outer_Full	18.57	/	/	14.95	/	/	<=38.45	Pass
		Inner_Full	19.02	/	/	15.40	/	/	<=38.45	Pass
		Inner_1RB_Left	19.26	/	/	15.64	/	/	<=38.45	Pass
		Inner_1RB_Right	19.18	/	/	15.56	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.42	/	/	15.80	/	/	<=38.45	Pass
		Edge_1RB_Right	19.25	/	/	15.63	/	/	<=38.45	Pass
		Outer_Full	18.85	/	/	15.23	/	/	<=38.45	Pass
		Inner_Full	19.37	/	/	15.75	/	/	<=38.45	Pass
		Inner_1RB_Left	19.86	/	/	16.24	/	/	<=38.45	Pass
		Inner_1RB_Right	19.72	/	/	16.10	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	18.87	/	/	15.25	/	/	<=38.45	Pass
		Edge_1RB_Right	17.23	/	/	13.61	/	/	<=38.45	Pass
		Outer_Full	18.40	/	/	14.78	/	/	<=38.45	Pass
		Inner_Full	18.80	/	/	15.18	/	/	<=38.45	Pass
		Inner_1RB_Left	19.35	/	/	15.73	/	/	<=38.45	Pass
		Inner_1RB_Right	17.72	/	/	14.10	/	/	<=38.45	Pass

CP-OFDM 64 QAM	826.5	Edge 1RB Left	18.58	/	/	14.96	/	/	<=38.45	Pass
		Edge 1RB Right	18.43	/	/	14.81	/	/	<=38.45	Pass
		Outer Full	18.30	/	/	14.68	/	/	<=38.45	Pass
		Inner Full	18.93	/	/	15.31	/	/	<=38.45	Pass
		Inner 1RB Left	19.52	/	/	15.90	/	/	<=38.45	Pass
		Inner 1RB Right	19.30	/	/	15.68	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.08	/	/	15.46	/	/	<=38.45	Pass
		Edge 1RB Right	18.89	/	/	15.27	/	/	<=38.45	Pass
		Outer Full	18.52	/	/	14.90	/	/	<=38.45	Pass
		Inner Full	19.39	/	/	15.77	/	/	<=38.45	Pass
		Inner 1RB Left	19.85	/	/	16.23	/	/	<=38.45	Pass
		Inner 1RB Right	19.85	/	/	16.23	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	18.46	/	/	14.84	/	/	<=38.45	Pass
		Edge 1RB Right	16.84	/	/	13.22	/	/	<=38.45	Pass
		Outer Full	17.74	/	/	14.12	/	/	<=38.45	Pass
		Inner Full	18.71	/	/	15.09	/	/	<=38.45	Pass
		Inner 1RB Left	19.34	/	/	15.72	/	/	<=38.45	Pass
		Inner 1RB Right	17.81	/	/	14.19	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge 1RB Left	15.85	/	/	12.23	/	/	<=38.45	Pass
		Edge 1RB Right	15.71	/	/	12.09	/	/	<=38.45	Pass
		Outer Full	15.54	/	/	11.92	/	/	<=38.45	Pass
		Inner Full	15.56	/	/	11.94	/	/	<=38.45	Pass
		Inner 1RB Left	15.83	/	/	12.21	/	/	<=38.45	Pass
		Inner 1RB Right	15.64	/	/	12.02	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	16.39	/	/	12.77	/	/	<=38.45	Pass
		Edge 1RB Right	16.25	/	/	12.63	/	/	<=38.45	Pass
		Outer Full	15.86	/	/	12.24	/	/	<=38.45	Pass
		Inner Full	15.97	/	/	12.35	/	/	<=38.45	Pass
		Inner 1RB Left	16.31	/	/	12.69	/	/	<=38.45	Pass
		Inner 1RB Right	16.16	/	/	12.54	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	15.57	/	/	11.95	/	/	<=38.45	Pass
		Edge 1RB Right	13.97	/	/	10.35	/	/	<=38.45	Pass
		Outer Full	15.06	/	/	11.44	/	/	<=38.45	Pass
		Inner Full	15.30	/	/	11.68	/	/	<=38.45	Pass
		Inner 1RB Left	15.61	/	/	11.99	/	/	<=38.45	Pass
		Inner 1RB Right	14.06	/	/	10.44	/	/	<=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	21.06	/	/	17.44	/	/	<=38.45	Pass
		Edge 1RB Right	21.26	/	/	17.64	/	/	<=38.45	Pass
		Outer Full	20.61	/	/	16.99	/	/	<=38.45	Pass
		Inner Full	21.22	/	/	17.60	/	/	<=38.45	Pass
		Inner 1RB Left	21.27	/	/	17.65	/	/	<=38.45	Pass
		Inner 1RB Right	21.73	/	/	18.11	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.56	/	/	17.94	/	/	<=38.45	Pass
		Edge 1RB Right	20.92	/	/	17.30	/	/	<=38.45	Pass
		Outer Full	20.87	/	/	17.25	/	/	<=38.45	Pass
		Inner Full	21.10	/	/	17.48	/	/	<=38.45	Pass
		Inner 1RB Left	21.20	/	/	17.58	/	/	<=38.45	Pass
		Inner 1RB Right	21.43	/	/	17.81	/	/	<=38.45	Pass
	844	Edge 1RB Left	21.74	/	/	18.12	/	/	<=38.45	Pass
		Edge 1RB Right	19.52	/	/	15.90	/	/	<=38.45	Pass

		Outer Full	20.55	/	/	16.93	/	/	<=38.45	Pass
		Inner Full	21.44	/	/	17.82	/	/	<=38.45	Pass
		Inner 1RB Left	21.20	/	/	17.58	/	/	<=38.45	Pass
		Inner 1RB Right	19.85	/	/	16.23	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge 1RB Left	20.30	/	/	16.68	/	/	<=38.45	Pass
		Edge 1RB Right	19.93	/	/	16.31	/	/	<=38.45	Pass
		Outer Full	19.64	/	/	16.02	/	/	<=38.45	Pass
		Inner Full	19.89	/	/	16.27	/	/	<=38.45	Pass
		Inner 1RB Left	20.04	/	/	16.42	/	/	<=38.45	Pass
		Inner 1RB Right	20.40	/	/	16.78	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.42	/	/	16.80	/	/	<=38.45	Pass
		Edge 1RB Right	20.01	/	/	16.39	/	/	<=38.45	Pass
		Outer Full	19.55	/	/	15.93	/	/	<=38.45	Pass
		Inner Full	20.58	/	/	16.96	/	/	<=38.45	Pass
		Inner 1RB Left	20.26	/	/	16.64	/	/	<=38.45	Pass
		Inner 1RB Right	20.48	/	/	16.86	/	/	<=38.45	Pass
	844	Edge 1RB Left	20.58	/	/	16.96	/	/	<=38.45	Pass
		Edge 1RB Right	18.43	/	/	14.81	/	/	<=38.45	Pass
		Outer Full	19.84	/	/	16.22	/	/	<=38.45	Pass
		Inner Full	20.15	/	/	16.53	/	/	<=38.45	Pass
		Inner 1RB Left	20.33	/	/	16.71	/	/	<=38.45	Pass
		Inner 1RB Right	19.02	/	/	15.40	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge 1RB Left	19.88	/	/	16.26	/	/	<=38.45	Pass
		Edge 1RB Right	19.56	/	/	15.94	/	/	<=38.45	Pass
		Outer Full	19.00	/	/	15.38	/	/	<=38.45	Pass
		Inner Full	19.27	/	/	15.65	/	/	<=38.45	Pass
		Inner 1RB Left	19.12	/	/	15.50	/	/	<=38.45	Pass
		Inner 1RB Right	19.97	/	/	16.35	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.20	/	/	16.58	/	/	<=38.45	Pass
		Edge 1RB Right	20.21	/	/	16.59	/	/	<=38.45	Pass
		Outer Full	19.54	/	/	15.92	/	/	<=38.45	Pass
		Inner Full	19.45	/	/	15.83	/	/	<=38.45	Pass
		Inner 1RB Left	19.84	/	/	16.22	/	/	<=38.45	Pass
		Inner 1RB Right	20.07	/	/	16.45	/	/	<=38.45	Pass
	844	Edge 1RB Left	20.17	/	/	16.55	/	/	<=38.45	Pass
		Edge 1RB Right	17.98	/	/	14.36	/	/	<=38.45	Pass
		Outer Full	19.04	/	/	15.42	/	/	<=38.45	Pass
		Inner Full	19.09	/	/	15.47	/	/	<=38.45	Pass
		Inner 1RB Left	19.26	/	/	15.64	/	/	<=38.45	Pass
		Inner 1RB Right	18.04	/	/	14.42	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge 1RB Left	18.34	/	/	14.72	/	/	<=38.45	Pass
		Edge 1RB Right	17.98	/	/	14.36	/	/	<=38.45	Pass
		Outer Full	17.81	/	/	14.19	/	/	<=38.45	Pass
		Inner Full	17.52	/	/	13.90	/	/	<=38.45	Pass
		Inner 1RB Left	17.55	/	/	13.93	/	/	<=38.45	Pass
		Inner 1RB Right	17.94	/	/	14.32	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	18.44	/	/	14.82	/	/	<=38.45	Pass
		Edge 1RB Right	17.99	/	/	14.37	/	/	<=38.45	Pass
		Outer Full	17.98	/	/	14.36	/	/	<=38.45	Pass
		Inner Full	18.01	/	/	14.39	/	/	<=38.45	Pass
		Inner 1RB Left	18.07	/	/	14.45	/	/	<=38.45	Pass
		Inner 1RB Right	18.29	/	/	14.67	/	/	<=38.45	Pass
	844	Edge 1RB Left	18.45	/	/	14.83	/	/	<=38.45	Pass
		Edge 1RB Right	16.38	/	/	12.76	/	/	<=38.45	Pass
		Outer Full	17.87	/	/	14.25	/	/	<=38.45	Pass
		Inner Full	17.69	/	/	14.07	/	/	<=38.45	Pass
		Inner 1RB Left	17.64	/	/	14.02	/	/	<=38.45	Pass
		Inner 1RB Right	16.43	/	/	12.81	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge 1RB Left	19.69	/	/	16.07	/	/	<=38.45	Pass

		Edge_1RB_Right	19.77	/	/	16.15	/	/	<=38.45	Pass
		Outer_Full	19.16	/	/	15.54	/	/	<=38.45	Pass
		Inner_Full	19.70	/	/	16.08	/	/	<=38.45	Pass
		Inner_1RB_Left	19.68	/	/	16.06	/	/	<=38.45	Pass
		Inner_1RB_Right	20.10	/	/	16.48	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.83	/	/	16.21	/	/	<=38.45	Pass
		Edge_1RB_Right	19.76	/	/	16.14	/	/	<=38.45	Pass
		Outer_Full	19.58	/	/	15.96	/	/	<=38.45	Pass
		Inner_Full	19.82	/	/	16.20	/	/	<=38.45	Pass
		Inner_1RB_Left	19.82	/	/	16.20	/	/	<=38.45	Pass
	844	Inner_1RB_Right	20.09	/	/	16.47	/	/	<=38.45	Pass
		Edge_1RB_Left	19.75	/	/	16.13	/	/	<=38.45	Pass
		Edge_1RB_Right	17.69	/	/	14.07	/	/	<=38.45	Pass
		Outer_Full	19.09	/	/	15.47	/	/	<=38.45	Pass
		Inner_Full	20.09	/	/	16.47	/	/	<=38.45	Pass
CP-OFDM 16 QAM		Inner_1RB_Left	20.08	/	/	16.46	/	/	<=38.45	Pass
		Inner_1RB_Right	18.77	/	/	15.15	/	/	<=38.45	Pass
	829	Edge_1RB_Left	19.51	/	/	15.89	/	/	<=38.45	Pass
		Edge_1RB_Right	19.15	/	/	15.53	/	/	<=38.45	Pass
		Outer_Full	18.82	/	/	15.20	/	/	<=38.45	Pass
		Inner_Full	19.00	/	/	15.38	/	/	<=38.45	Pass
		Inner_1RB_Left	19.26	/	/	15.64	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	19.65	/	/	16.03	/	/	<=38.45	Pass
		Edge_1RB_Left	19.90	/	/	16.28	/	/	<=38.45	Pass
		Edge_1RB_Right	19.47	/	/	15.85	/	/	<=38.45	Pass
		Outer_Full	18.94	/	/	15.32	/	/	<=38.45	Pass
		Inner_Full	19.37	/	/	15.75	/	/	<=38.45	Pass
	844	Inner_1RB_Left	19.58	/	/	15.96	/	/	<=38.45	Pass
		Inner_1RB_Right	19.85	/	/	16.23	/	/	<=38.45	Pass
		Edge_1RB_Left	19.69	/	/	16.07	/	/	<=38.45	Pass
		Edge_1RB_Right	17.67	/	/	14.05	/	/	<=38.45	Pass
		Outer_Full	18.90	/	/	15.28	/	/	<=38.45	Pass
CP-OFDM 64 QAM		Inner_Full	19.20	/	/	15.58	/	/	<=38.45	Pass
		Inner_1RB_Left	19.47	/	/	15.85	/	/	<=38.45	Pass
		Inner_1RB_Right	18.21	/	/	14.59	/	/	<=38.45	Pass
	829	Edge_1RB_Left	19.01	/	/	15.39	/	/	<=38.45	Pass
		Edge_1RB_Right	18.63	/	/	15.01	/	/	<=38.45	Pass
		Outer_Full	18.23	/	/	14.61	/	/	<=38.45	Pass
		Inner_Full	19.26	/	/	15.64	/	/	<=38.45	Pass
		Inner_1RB_Left	19.76	/	/	16.14	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	20.05	/	/	16.43	/	/	<=38.45	Pass
		Edge_1RB_Left	19.56	/	/	15.94	/	/	<=38.45	Pass
		Edge_1RB_Right	19.12	/	/	15.50	/	/	<=38.45	Pass
		Outer_Full	18.55	/	/	14.93	/	/	<=38.45	Pass
		Inner_Full	19.39	/	/	15.77	/	/	<=38.45	Pass
	844	Inner_1RB_Left	19.74	/	/	16.12	/	/	<=38.45	Pass
		Inner_1RB_Right	20.02	/	/	16.40	/	/	<=38.45	Pass
		Edge_1RB_Left	19.08	/	/	15.46	/	/	<=38.45	Pass
		Edge_1RB_Right	17.12	/	/	13.50	/	/	<=38.45	Pass
		Outer_Full	18.18	/	/	14.56	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Inner_Full	19.52	/	/	15.90	/	/	<=38.45	Pass
		Inner_1RB_Left	19.35	/	/	15.73	/	/	<=38.45	Pass
		Inner_1RB_Right	18.54	/	/	14.92	/	/	<=38.45	Pass
		Edge_1RB_Left	16.44	/	/	12.82	/	/	<=38.45	Pass
		Edge_1RB_Right	16.09	/	/	12.47	/	/	<=38.45	Pass
		Outer_Full	15.77	/	/	12.15	/	/	<=38.45	Pass
		Inner_Full	15.57	/	/	11.95	/	/	<=38.45	Pass
		Inner_1RB_Left	15.72	/	/	12.10	/	/	<=38.45	Pass
		Inner_1RB_Right	16.07	/	/	12.45	/	/	<=38.45	Pass

	836.5	Edge_1RB_Left	16.77	/	/	13.15	/	/	<=38.45	Pass
		Edge_1RB_Right	16.30	/	/	12.68	/	/	<=38.45	Pass
		Outer_Full	15.90	/	/	12.28	/	/	<=38.45	Pass
		Inner_Full	15.88	/	/	12.26	/	/	<=38.45	Pass
		Inner_1RB_Left	16.02	/	/	12.40	/	/	<=38.45	Pass
		Inner_1RB_Right	16.32	/	/	12.70	/	/	<=38.45	Pass
	844	Edge_1RB_Left	16.70	/	/	13.08	/	/	<=38.45	Pass
		Edge_1RB_Right	14.62	/	/	11.00	/	/	<=38.45	Pass
		Outer_Full	15.83	/	/	12.21	/	/	<=38.45	Pass
		Inner_Full	15.80	/	/	12.18	/	/	<=38.45	Pass
		Inner_1RB_Left	15.88	/	/	12.26	/	/	<=38.45	Pass
		Inner_1RB_Right	14.64	/	/	11.02	/	/	<=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	21.67	/	/	18.05	/	/	<=38.45	Pass
		Edge 1RB Right	21.76	/	/	18.14	/	/	<=38.45	Pass
		Outer Full	21.13	/	/	17.51	/	/	<=38.45	Pass
		Inner Full	21.11	/	/	17.49	/	/	<=38.45	Pass
		Inner 1RB Left	22.16	/	/	18.54	/	/	<=38.45	Pass
		Inner 1RB Right	21.87	/	/	18.25	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.75	/	/	18.13	/	/	<=38.45	Pass
		Edge 1RB Right	21.25	/	/	17.63	/	/	<=38.45	Pass
		Outer Full	20.96	/	/	17.34	/	/	<=38.45	Pass
		Inner Full	20.97	/	/	17.35	/	/	<=38.45	Pass
		Inner 1RB Left	21.92	/	/	18.30	/	/	<=38.45	Pass
		Inner 1RB Right	21.68	/	/	18.06	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	21.53	/	/	17.91	/	/	<=38.45	Pass
		Edge 1RB Right	19.92	/	/	16.30	/	/	<=38.45	Pass
		Outer Full	20.88	/	/	17.26	/	/	<=38.45	Pass
		Inner Full	20.83	/	/	17.21	/	/	<=38.45	Pass
		Inner 1RB Left	21.85	/	/	18.23	/	/	<=38.45	Pass
		Inner 1RB Right	20.66	/	/	17.04	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge 1RB Left	20.78	/	/	17.16	/	/	<=38.45	Pass
		Edge 1RB Right	20.62	/	/	17.00	/	/	<=38.45	Pass
		Outer Full	19.85	/	/	16.23	/	/	<=38.45	Pass
		Inner Full	20.17	/	/	16.55	/	/	<=38.45	Pass
		Inner 1RB Left	21.09	/	/	17.47	/	/	<=38.45	Pass
		Inner 1RB Right	21.06	/	/	17.44	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.14	/	/	17.52	/	/	<=38.45	Pass
		Edge 1RB Right	20.71	/	/	17.09	/	/	<=38.45	Pass
		Outer Full	20.14	/	/	16.52	/	/	<=38.45	Pass
		Inner Full	20.21	/	/	16.59	/	/	<=38.45	Pass
		Inner 1RB Left	21.30	/	/	17.68	/	/	<=38.45	Pass
		Inner 1RB Right	21.07	/	/	17.45	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	20.52	/	/	16.90	/	/	<=38.45	Pass
		Edge 1RB Right	18.92	/	/	15.30	/	/	<=38.45	Pass
		Outer Full	19.47	/	/	15.85	/	/	<=38.45	Pass
		Inner Full	19.82	/	/	16.20	/	/	<=38.45	Pass
		Inner 1RB Left	20.77	/	/	17.15	/	/	<=38.45	Pass
		Inner 1RB Right	19.60	/	/	15.98	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge 1RB Left	20.44	/	/	16.82	/	/	<=38.45	Pass
		Edge 1RB Right	20.20	/	/	16.58	/	/	<=38.45	Pass

		Outer Full	19.39	/	/	15.77	/	/	<=38.45	Pass
		Inner Full	19.21	/	/	15.59	/	/	<=38.45	Pass
		Inner 1RB Left	20.04	/	/	16.42	/	/	<=38.45	Pass
		Inner 1RB Right	20.13	/	/	16.51	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.65	/	/	17.03	/	/	<=38.45	Pass
		Edge 1RB Right	20.23	/	/	16.61	/	/	<=38.45	Pass
		Outer Full	19.44	/	/	15.82	/	/	<=38.45	Pass
		Inner Full	19.18	/	/	15.56	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	20.43	/	/	16.81	/	/	<=38.45	Pass
		Inner 1RB Right	20.20	/	/	16.58	/	/	<=38.45	Pass
		Edge 1RB Left	20.15	/	/	16.53	/	/	<=38.45	Pass
		Edge 1RB Right	18.59	/	/	14.97	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Outer Full	19.04	/	/	15.42	/	/	<=38.45	Pass
		Inner Full	18.88	/	/	15.26	/	/	<=38.45	Pass
		Inner 1RB Left	20.02	/	/	16.40	/	/	<=38.45	Pass
		Inner 1RB Right	18.78	/	/	15.16	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	18.76	/	/	15.14	/	/	<=38.45	Pass
		Edge 1RB Right	18.56	/	/	14.94	/	/	<=38.45	Pass
		Outer Full	17.98	/	/	14.36	/	/	<=38.45	Pass
		Inner Full	17.80	/	/	14.18	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	18.53	/	/	14.91	/	/	<=38.45	Pass
		Inner 1RB Right	18.52	/	/	14.90	/	/	<=38.45	Pass
		Edge 1RB Left	18.84	/	/	15.22	/	/	<=38.45	Pass
		Edge 1RB Right	18.42	/	/	14.80	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Outer Full	17.91	/	/	14.29	/	/	<=38.45	Pass
		Inner Full	17.69	/	/	14.07	/	/	<=38.45	Pass
		Inner 1RB Left	18.60	/	/	14.98	/	/	<=38.45	Pass
		Inner 1RB Right	18.40	/	/	14.78	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	18.56	/	/	14.94	/	/	<=38.45	Pass
		Edge 1RB Right	17.01	/	/	13.39	/	/	<=38.45	Pass
		Outer Full	17.69	/	/	14.07	/	/	<=38.45	Pass
		Inner Full	17.53	/	/	13.91	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	18.33	/	/	14.71	/	/	<=38.45	Pass
		Inner 1RB Right	17.18	/	/	13.56	/	/	<=38.45	Pass
		Edge 1RB Left	20.14	/	/	16.52	/	/	<=38.45	Pass
		Edge 1RB Right	20.28	/	/	16.66	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Outer Full	19.52	/	/	15.90	/	/	<=38.45	Pass
		Inner Full	20.17	/	/	16.55	/	/	<=38.45	Pass
		Inner 1RB Left	20.63	/	/	17.01	/	/	<=38.45	Pass
		Inner 1RB Right	20.97	/	/	17.35	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.19	/	/	16.57	/	/	<=38.45	Pass
		Edge 1RB Right	19.68	/	/	16.06	/	/	<=38.45	Pass
		Outer Full	19.44	/	/	15.82	/	/	<=38.45	Pass
		Inner Full	19.92	/	/	16.30	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	20.33	/	/	16.71	/	/	<=38.45	Pass
		Inner 1RB Right	20.63	/	/	17.01	/	/	<=38.45	Pass
		Edge 1RB Left	19.84	/	/	16.22	/	/	<=38.45	Pass
		Edge 1RB Right	18.39	/	/	14.77	/	/	<=38.45	Pass
	831.5	Outer Full	19.15	/	/	15.53	/	/	<=38.45	Pass
		Inner Full	20.00	/	/	16.38	/	/	<=38.45	Pass
		Inner 1RB Left	20.38	/	/	16.76	/	/	<=38.45	Pass
		Inner 1RB Right	19.33	/	/	15.71	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.20	/	/	16.58	/	/	<=38.45	Pass
		Edge 1RB Right	20.05	/	/	16.43	/	/	<=38.45	Pass
		Outer Full	19.39	/	/	15.77	/	/	<=38.45	Pass
		Inner Full	19.46	/	/	15.84	/	/	<=38.45	Pass
	836.5	Inner 1RB Left	20.48	/	/	16.86	/	/	<=38.45	Pass
		Inner 1RB Right	20.46	/	/	16.84	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.39	/	/	16.77	/	/	<=38.45	Pass
		Edge 1RB Right	20.39	/	/	16.77	/	/	<=38.45	Pass

		Edge_1RB_Right	19.97	/	/	16.35	/	/	<=38.45	Pass
		Outer_Full	19.13	/	/	15.51	/	/	<=38.45	Pass
		Inner_Full	19.40	/	/	15.78	/	/	<=38.45	Pass
		Inner_1RB_Left	20.52	/	/	16.90	/	/	<=38.45	Pass
		Inner_1RB_Right	20.32	/	/	16.70	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.89	/	/	16.27	/	/	<=38.45	Pass
		Edge_1RB_Right	18.41	/	/	14.79	/	/	<=38.45	Pass
		Outer_Full	19.05	/	/	15.43	/	/	<=38.45	Pass
		Inner_Full	19.10	/	/	15.48	/	/	<=38.45	Pass
		Inner_1RB_Left	20.15	/	/	16.53	/	/	<=38.45	Pass
	Inner_1RB_Right	19.08	/	/	15.46	/	/	<=38.45	Pass	
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	19.78	/	/	16.16	/	/	<=38.45	Pass
		Edge_1RB_Right	19.47	/	/	15.85	/	/	<=38.45	Pass
		Outer_Full	18.76	/	/	15.14	/	/	<=38.45	Pass
		Inner_Full	19.84	/	/	16.22	/	/	<=38.45	Pass
		Inner_1RB_Left	20.50	/	/	16.88	/	/	<=38.45	Pass
		Inner_1RB_Right	20.44	/	/	16.82	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.69	/	/	16.07	/	/	<=38.45	Pass
		Edge_1RB_Right	19.28	/	/	15.66	/	/	<=38.45	Pass
		Outer_Full	18.70	/	/	15.08	/	/	<=38.45	Pass
		Inner_Full	19.40	/	/	15.78	/	/	<=38.45	Pass
		Inner_1RB_Left	20.44	/	/	16.82	/	/	<=38.45	Pass
		Inner_1RB_Right	20.25	/	/	16.63	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.55	/	/	15.93	/	/	<=38.45	Pass
		Edge_1RB_Right	18.03	/	/	14.41	/	/	<=38.45	Pass
		Outer_Full	18.36	/	/	14.74	/	/	<=38.45	Pass
		Inner_Full	19.03	/	/	15.41	/	/	<=38.45	Pass
		Inner_1RB_Left	20.17	/	/	16.55	/	/	<=38.45	Pass
		Inner_1RB_Right	19.10	/	/	15.48	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Edge_1RB_Left	17.11	/	/	13.49	/	/	<=38.45	Pass
		Edge_1RB_Right	16.89	/	/	13.27	/	/	<=38.45	Pass
		Outer_Full	16.38	/	/	12.76	/	/	<=38.45	Pass
		Inner_Full	15.99	/	/	12.37	/	/	<=38.45	Pass
		Inner_1RB_Left	16.89	/	/	13.27	/	/	<=38.45	Pass
		Inner_1RB_Right	16.84	/	/	13.22	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.26	/	/	13.64	/	/	<=38.45	Pass
		Edge_1RB_Right	16.85	/	/	13.23	/	/	<=38.45	Pass
		Outer_Full	16.02	/	/	12.40	/	/	<=38.45	Pass
		Inner_Full	15.86	/	/	12.24	/	/	<=38.45	Pass
		Inner_1RB_Left	16.94	/	/	13.32	/	/	<=38.45	Pass
		Inner_1RB_Right	16.73	/	/	13.11	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	16.88	/	/	13.26	/	/	<=38.45	Pass
		Edge_1RB_Right	15.39	/	/	11.77	/	/	<=38.45	Pass
		Outer_Full	16.01	/	/	12.39	/	/	<=38.45	Pass
		Inner_Full	15.64	/	/	12.02	/	/	<=38.45	Pass
		Inner_1RB_Left	16.59	/	/	12.97	/	/	<=38.45	Pass
		Inner_1RB_Right	15.51	/	/	11.89	/	/	<=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 (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Edge_1RB_Left	21.82	/	/	18.20	/	/	<=38.45	Pass
		Edge_1RB_Right	21.83	/	/	18.21	/	/	<=38.45	Pass
		Outer_Full	21.14	/	/	17.52	/	/	<=38.45	Pass

		Inner Full	21.01	/	/	17.39	/	/	<=38.45	Pass
		Inner 1RB Left	22.39	/	/	18.77	/	/	<=38.45	Pass
		Inner 1RB Right	21.93	/	/	18.31	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.95	/	/	18.33	/	/	<=38.45	Pass
		Edge 1RB Right	21.51	/	/	17.89	/	/	<=38.45	Pass
		Outer Full	21.00	/	/	17.38	/	/	<=38.45	Pass
		Inner Full	21.05	/	/	17.43	/	/	<=38.45	Pass
		Inner 1RB Left	22.11	/	/	18.49	/	/	<=38.45	Pass
		Inner 1RB Right	21.99	/	/	18.37	/	/	<=38.45	Pass
	839	Edge 1RB Left	21.47	/	/	17.85	/	/	<=38.45	Pass
		Edge 1RB Right	19.64	/	/	16.02	/	/	<=38.45	Pass
		Outer Full	20.77	/	/	17.15	/	/	<=38.45	Pass
		Inner Full	21.22	/	/	17.60	/	/	<=38.45	Pass
		Inner 1RB Left	22.04	/	/	18.42	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Inner 1RB Right	20.50	/	/	16.88	/	/	<=38.45	Pass
		Edge 1RB Left	20.91	/	/	17.29	/	/	<=38.45	Pass
		Edge 1RB Right	20.57	/	/	16.95	/	/	<=38.45	Pass
		Outer Full	19.85	/	/	16.23	/	/	<=38.45	Pass
		Inner Full	20.07	/	/	16.45	/	/	<=38.45	Pass
		Inner 1RB Left	21.24	/	/	17.62	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	21.10	/	/	17.48	/	/	<=38.45	Pass
		Edge 1RB Left	20.81	/	/	17.19	/	/	<=38.45	Pass
		Edge 1RB Right	21.08	/	/	17.46	/	/	<=38.45	Pass
		Outer Full	19.76	/	/	16.14	/	/	<=38.45	Pass
		Inner Full	20.27	/	/	16.65	/	/	<=38.45	Pass
		Inner 1RB Left	21.53	/	/	17.91	/	/	<=38.45	Pass
	839	Inner 1RB Right	21.39	/	/	17.77	/	/	<=38.45	Pass
		Edge 1RB Left	20.73	/	/	17.11	/	/	<=38.45	Pass
		Edge 1RB Right	18.96	/	/	15.34	/	/	<=38.45	Pass
		Outer Full	19.93	/	/	16.31	/	/	<=38.45	Pass
		Inner Full	19.83	/	/	16.21	/	/	<=38.45	Pass
		Inner 1RB Left	21.02	/	/	17.40	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Inner 1RB Right	19.51	/	/	15.89	/	/	<=38.45	Pass
		Edge 1RB Left	20.49	/	/	16.87	/	/	<=38.45	Pass
		Edge 1RB Right	20.35	/	/	16.73	/	/	<=38.45	Pass
		Outer Full	19.41	/	/	15.79	/	/	<=38.45	Pass
		Inner Full	19.08	/	/	15.46	/	/	<=38.45	Pass
		Inner 1RB Left	20.48	/	/	16.86	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	20.27	/	/	16.65	/	/	<=38.45	Pass
		Edge 1RB Left	20.68	/	/	17.06	/	/	<=38.45	Pass
		Edge 1RB Right	20.40	/	/	16.78	/	/	<=38.45	Pass
		Outer Full	19.61	/	/	15.99	/	/	<=38.45	Pass
		Inner Full	19.18	/	/	15.56	/	/	<=38.45	Pass
		Inner 1RB Left	20.48	/	/	16.86	/	/	<=38.45	Pass
	839	Inner 1RB Right	20.40	/	/	16.78	/	/	<=38.45	Pass
		Edge 1RB Left	20.25	/	/	16.63	/	/	<=38.45	Pass
		Edge 1RB Right	18.51	/	/	14.89	/	/	<=38.45	Pass
		Outer Full	19.15	/	/	15.53	/	/	<=38.45	Pass
		Inner Full	18.75	/	/	15.13	/	/	<=38.45	Pass
		Inner 1RB Left	20.11	/	/	16.49	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Inner 1RB Right	18.58	/	/	14.96	/	/	<=38.45	Pass
		Edge 1RB Left	18.90	/	/	15.28	/	/	<=38.45	Pass
		Edge 1RB Right	18.59	/	/	14.97	/	/	<=38.45	Pass
		Outer Full	18.01	/	/	14.39	/	/	<=38.45	Pass
		Inner Full	17.69	/	/	14.07	/	/	<=38.45	Pass
		Inner 1RB Left	18.72	/	/	15.10	/	/	<=38.45	Pass
	836.5	Inner 1RB Right	18.63	/	/	15.01	/	/	<=38.45	Pass
		Edge 1RB Left	19.00	/	/	15.38	/	/	<=38.45	Pass
		Edge 1RB Right	18.73	/	/	15.11	/	/	<=38.45	Pass

		Outer Full	18.04	/	/	14.42	/	/	<=38.45	Pass
		Inner Full	17.77	/	/	14.15	/	/	<=38.45	Pass
		Inner 1RB Left	18.82	/	/	15.20	/	/	<=38.45	Pass
		Inner 1RB Right	18.74	/	/	15.12	/	/	<=38.45	Pass
	839	Edge 1RB Left	18.52	/	/	14.90	/	/	<=38.45	Pass
		Edge 1RB Right	16.74	/	/	13.12	/	/	<=38.45	Pass
		Outer Full	17.67	/	/	14.05	/	/	<=38.45	Pass
		Inner Full	17.33	/	/	13.71	/	/	<=38.45	Pass
		Inner 1RB Left	18.33	/	/	14.71	/	/	<=38.45	Pass
		Inner 1RB Right	16.86	/	/	13.24	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge 1RB Left	20.22	/	/	16.60	/	/	<=38.45	Pass
		Edge 1RB Right	20.30	/	/	16.68	/	/	<=38.45	Pass
		Outer Full	19.59	/	/	15.97	/	/	<=38.45	Pass
		Inner Full	19.95	/	/	16.33	/	/	<=38.45	Pass
		Inner 1RB Left	20.76	/	/	17.14	/	/	<=38.45	Pass
		Inner 1RB Right	20.89	/	/	17.27	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.40	/	/	16.78	/	/	<=38.45	Pass
		Edge 1RB Right	20.60	/	/	16.98	/	/	<=38.45	Pass
		Outer Full	19.70	/	/	16.08	/	/	<=38.45	Pass
		Inner Full	19.93	/	/	16.31	/	/	<=38.45	Pass
		Inner 1RB Left	20.93	/	/	17.31	/	/	<=38.45	Pass
		Inner 1RB Right	20.81	/	/	17.19	/	/	<=38.45	Pass
	839	Edge 1RB Left	19.78	/	/	16.16	/	/	<=38.45	Pass
		Edge 1RB Right	18.19	/	/	14.57	/	/	<=38.45	Pass
		Outer Full	19.17	/	/	15.55	/	/	<=38.45	Pass
		Inner Full	19.80	/	/	16.18	/	/	<=38.45	Pass
		Inner 1RB Left	20.47	/	/	16.85	/	/	<=38.45	Pass
		Inner 1RB Right	19.10	/	/	15.48	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge 1RB Left	20.24	/	/	16.62	/	/	<=38.45	Pass
		Edge 1RB Right	19.96	/	/	16.34	/	/	<=38.45	Pass
		Outer Full	19.33	/	/	15.71	/	/	<=38.45	Pass
		Inner Full	19.27	/	/	15.65	/	/	<=38.45	Pass
		Inner 1RB Left	20.56	/	/	16.94	/	/	<=38.45	Pass
		Inner 1RB Right	20.36	/	/	16.74	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.50	/	/	16.88	/	/	<=38.45	Pass
		Edge 1RB Right	20.25	/	/	16.63	/	/	<=38.45	Pass
		Outer Full	19.30	/	/	15.68	/	/	<=38.45	Pass
		Inner Full	19.46	/	/	15.84	/	/	<=38.45	Pass
		Inner 1RB Left	20.82	/	/	17.20	/	/	<=38.45	Pass
		Inner 1RB Right	20.65	/	/	17.03	/	/	<=38.45	Pass
	839	Edge 1RB Left	19.86	/	/	16.24	/	/	<=38.45	Pass
		Edge 1RB Right	18.24	/	/	14.62	/	/	<=38.45	Pass
		Outer Full	18.99	/	/	15.37	/	/	<=38.45	Pass
		Inner Full	18.95	/	/	15.33	/	/	<=38.45	Pass
		Inner 1RB Left	20.17	/	/	16.55	/	/	<=38.45	Pass
		Inner 1RB Right	18.74	/	/	15.12	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge 1RB Left	19.80	/	/	16.18	/	/	<=38.45	Pass
		Edge 1RB Right	19.57	/	/	15.95	/	/	<=38.45	Pass
		Outer Full	18.71	/	/	15.09	/	/	<=38.45	Pass
		Inner Full	19.19	/	/	15.57	/	/	<=38.45	Pass
		Inner 1RB Left	20.59	/	/	16.97	/	/	<=38.45	Pass
		Inner 1RB Right	20.42	/	/	16.80	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.02	/	/	16.40	/	/	<=38.45	Pass
		Edge 1RB Right	19.77	/	/	16.15	/	/	<=38.45	Pass
		Outer Full	18.89	/	/	15.27	/	/	<=38.45	Pass
		Inner Full	19.34	/	/	15.72	/	/	<=38.45	Pass
		Inner 1RB Left	20.73	/	/	17.11	/	/	<=38.45	Pass
		Inner 1RB Right	20.57	/	/	16.95	/	/	<=38.45	Pass
	839	Edge 1RB Left	19.35	/	/	15.73	/	/	<=38.45	Pass

		Edge 1RB Right	17.68	/	/	14.06	/	/	<=38.45	Pass	
		Outer Full	18.34	/	/	14.72	/	/	<=38.45	Pass	
		Inner Full	18.85	/	/	15.23	/	/	<=38.45	Pass	
		Inner 1RB Left	20.06	/	/	16.44	/	/	<=38.45	Pass	
		Inner 1RB Right	18.75	/	/	15.13	/	/	<=38.45	Pass	
CP-OFDM 256 QAM	834	Edge 1RB Left	16.94	/	/	13.32	/	/	<=38.45	Pass	
		Edge 1RB Right	16.71	/	/	13.09	/	/	<=38.45	Pass	
		Outer Full	16.03	/	/	12.41	/	/	<=38.45	Pass	
		Inner Full	15.68	/	/	12.06	/	/	<=38.45	Pass	
		Inner 1RB Left	16.77	/	/	13.15	/	/	<=38.45	Pass	
		Inner 1RB Right	16.68	/	/	13.06	/	/	<=38.45	Pass	
	836.5	Edge 1RB Left	17.14	/	/	13.52	/	/	<=38.45	Pass	
		Edge 1RB Right	16.97	/	/	13.35	/	/	<=38.45	Pass	
		Outer Full	16.19	/	/	12.57	/	/	<=38.45	Pass	
		Inner Full	15.81	/	/	12.19	/	/	<=38.45	Pass	
		Inner 1RB Left	16.98	/	/	13.36	/	/	<=38.45	Pass	
		Inner 1RB Right	16.91	/	/	13.29	/	/	<=38.45	Pass	
	839	Edge 1RB Left	16.64	/	/	13.02	/	/	<=38.45	Pass	
		Edge 1RB Right	14.95	/	/	11.33	/	/	<=38.45	Pass	
		Outer Full	15.67	/	/	12.05	/	/	<=38.45	Pass	
		Inner Full	15.38	/	/	11.76	/	/	<=38.45	Pass	
		Inner 1RB Left	16.48	/	/	12.86	/	/	<=38.45	Pass	
			Inner 1RB Right	15.02	/	/	11.40	/	/	<=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 NTNV										
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	20.63	/	/	17.01	/	/	<=38.45	Pass
		Edge 1RB Right	21.08	/	/	17.46	/	/	<=38.45	Pass
		Outer Full	20.58	/	/	16.96	/	/	<=38.45	Pass
		Inner Full	21.23	/	/	17.61	/	/	<=38.45	Pass
		Inner 1RB Left	21.34	/	/	17.72	/	/	<=38.45	Pass
		Inner 1RB Right	21.64	/	/	18.02	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.41	/	/	17.79	/	/	<=38.45	Pass
		Edge 1RB Right	21.03	/	/	17.41	/	/	<=38.45	Pass
		Outer Full	21.12	/	/	17.50	/	/	<=38.45	Pass
		Inner Full	21.36	/	/	17.74	/	/	<=38.45	Pass
		Inner 1RB Left	21.47	/	/	17.85	/	/	<=38.45	Pass
		Inner 1RB Right	21.60	/	/	17.98	/	/	<=38.45	Pass
	844	Edge 1RB Left	21.11	/	/	17.49	/	/	<=38.45	Pass
		Edge 1RB Right	19.93	/	/	16.31	/	/	<=38.45	Pass
		Outer Full	21.12	/	/	17.50	/	/	<=38.45	Pass
		Inner Full	21.64	/	/	18.02	/	/	<=38.45	Pass
		Inner 1RB Left	21.54	/	/	17.92	/	/	<=38.45	Pass
		Inner 1RB Right	21.03	/	/	17.41	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge 1RB Left	19.82	/	/	16.20	/	/	<=38.45	Pass
		Edge 1RB Right	19.72	/	/	16.10	/	/	<=38.45	Pass
		Outer Full	19.63	/	/	16.01	/	/	<=38.45	Pass
		Inner Full	19.89	/	/	16.27	/	/	<=38.45	Pass
		Inner 1RB Left	20.07	/	/	16.45	/	/	<=38.45	Pass
		Inner 1RB Right	20.30	/	/	16.68	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.33	/	/	16.71	/	/	<=38.45	Pass
		Edge 1RB Right	20.10	/	/	16.48	/	/	<=38.45	Pass
		Outer Full	19.83	/	/	16.21	/	/	<=38.45	Pass

		Inner Full	20.32	/	/	16.70	/	/	<=38.45	Pass
		Inner 1RB Left	20.60	/	/	16.98	/	/	<=38.45	Pass
		Inner 1RB Right	20.69	/	/	17.07	/	/	<=38.45	Pass
	844	Edge 1RB Left	20.44	/	/	16.82	/	/	<=38.45	Pass
		Edge 1RB Right	19.23	/	/	15.61	/	/	<=38.45	Pass
		Outer Full	20.14	/	/	16.52	/	/	<=38.45	Pass
		Inner Full	20.30	/	/	16.68	/	/	<=38.45	Pass
		Inner 1RB Left	20.68	/	/	17.06	/	/	<=38.45	Pass
		Inner 1RB Right	20.18	/	/	16.56	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge 1RB Left	19.31	/	/	15.69	/	/	<=38.45	Pass
		Edge 1RB Right	19.07	/	/	15.45	/	/	<=38.45	Pass
		Outer Full	18.95	/	/	15.33	/	/	<=38.45	Pass
		Inner Full	19.32	/	/	15.70	/	/	<=38.45	Pass
		Inner 1RB Left	19.02	/	/	15.40	/	/	<=38.45	Pass
		Inner 1RB Right	19.25	/	/	15.63	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.90	/	/	16.28	/	/	<=38.45	Pass
		Edge 1RB Right	19.59	/	/	15.97	/	/	<=38.45	Pass
		Outer Full	19.41	/	/	15.79	/	/	<=38.45	Pass
		Inner Full	19.33	/	/	15.71	/	/	<=38.45	Pass
		Inner 1RB Left	19.62	/	/	16.00	/	/	<=38.45	Pass
		Inner 1RB Right	19.65	/	/	16.03	/	/	<=38.45	Pass
	844	Edge 1RB Left	19.83	/	/	16.21	/	/	<=38.45	Pass
		Edge 1RB Right	18.66	/	/	15.04	/	/	<=38.45	Pass
		Outer Full	19.31	/	/	15.69	/	/	<=38.45	Pass
		Inner Full	19.21	/	/	15.59	/	/	<=38.45	Pass
		Inner 1RB Left	19.54	/	/	15.92	/	/	<=38.45	Pass
		Inner 1RB Right	19.16	/	/	15.54	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge 1RB Left	17.92	/	/	14.30	/	/	<=38.45	Pass
		Edge 1RB Right	17.82	/	/	14.20	/	/	<=38.45	Pass
		Outer Full	17.87	/	/	14.25	/	/	<=38.45	Pass
		Inner Full	17.57	/	/	13.95	/	/	<=38.45	Pass
		Inner 1RB Left	17.71	/	/	14.09	/	/	<=38.45	Pass
		Inner 1RB Right	17.91	/	/	14.29	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	18.31	/	/	14.69	/	/	<=38.45	Pass
		Edge 1RB Right	18.08	/	/	14.46	/	/	<=38.45	Pass
		Outer Full	17.96	/	/	14.34	/	/	<=38.45	Pass
		Inner Full	17.95	/	/	14.33	/	/	<=38.45	Pass
		Inner 1RB Left	18.08	/	/	14.46	/	/	<=38.45	Pass
		Inner 1RB Right	18.21	/	/	14.59	/	/	<=38.45	Pass
	844	Edge 1RB Left	18.47	/	/	14.85	/	/	<=38.45	Pass
		Edge 1RB Right	17.32	/	/	13.70	/	/	<=38.45	Pass
		Outer Full	18.33	/	/	14.71	/	/	<=38.45	Pass
		Inner Full	17.96	/	/	14.34	/	/	<=38.45	Pass
		Inner 1RB Left	18.17	/	/	14.55	/	/	<=38.45	Pass
		Inner 1RB Right	17.82	/	/	14.20	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge 1RB Left	19.12	/	/	15.50	/	/	<=38.45	Pass
		Edge 1RB Right	19.52	/	/	15.90	/	/	<=38.45	Pass
		Outer Full	19.08	/	/	15.46	/	/	<=38.45	Pass
		Inner Full	19.72	/	/	16.10	/	/	<=38.45	Pass
		Inner 1RB Left	19.80	/	/	16.18	/	/	<=38.45	Pass
		Inner 1RB Right	20.06	/	/	16.44	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.69	/	/	16.07	/	/	<=38.45	Pass
		Edge 1RB Right	19.45	/	/	15.83	/	/	<=38.45	Pass
		Outer Full	19.47	/	/	15.85	/	/	<=38.45	Pass
		Inner Full	20.07	/	/	16.45	/	/	<=38.45	Pass
		Inner 1RB Left	20.22	/	/	16.60	/	/	<=38.45	Pass
		Inner 1RB Right	20.30	/	/	16.68	/	/	<=38.45	Pass
	844	Edge 1RB Left	19.63	/	/	16.01	/	/	<=38.45	Pass
		Edge 1RB Right	18.51	/	/	14.89	/	/	<=38.45	Pass

		Outer_Full	19.46	/	/	15.84	/	/	<=38.45	Pass
		Inner_Full	20.19	/	/	16.57	/	/	<=38.45	Pass
		Inner_1RB_Left	20.35	/	/	16.73	/	/	<=38.45	Pass
		Inner_1RB_Right	19.93	/	/	16.31	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Edge_1RB_Left	19.04	/	/	15.42	/	/	<=38.45	Pass
		Edge_1RB_Right	18.91	/	/	15.29	/	/	<=38.45	Pass
		Outer_Full	18.78	/	/	15.16	/	/	<=38.45	Pass
		Inner_Full	19.02	/	/	15.40	/	/	<=38.45	Pass
	836.5	Inner_1RB_Left	19.31	/	/	15.69	/	/	<=38.45	Pass
		Inner_1RB_Right	19.51	/	/	15.89	/	/	<=38.45	Pass
		Edge_1RB_Left	19.32	/	/	15.70	/	/	<=38.45	Pass
		Edge_1RB_Right	19.57	/	/	15.95	/	/	<=38.45	Pass
		Outer_Full	19.14	/	/	15.52	/	/	<=38.45	Pass
		Inner_Full	19.66	/	/	16.04	/	/	<=38.45	Pass
	844	Inner_1RB_Left	19.98	/	/	16.36	/	/	<=38.45	Pass
		Inner_1RB_Right	20.09	/	/	16.47	/	/	<=38.45	Pass
		Edge_1RB_Left	19.44	/	/	15.82	/	/	<=38.45	Pass
		Edge_1RB_Right	18.32	/	/	14.70	/	/	<=38.45	Pass
		Outer_Full	19.13	/	/	15.51	/	/	<=38.45	Pass
		Inner_Full	19.34	/	/	15.72	/	/	<=38.45	Pass
CP-OFDM 64 QAM	829	Inner_1RB_Left	19.71	/	/	16.09	/	/	<=38.45	Pass
		Inner_1RB_Right	19.33	/	/	15.71	/	/	<=38.45	Pass
		Edge_1RB_Left	18.67	/	/	15.05	/	/	<=38.45	Pass
		Edge_1RB_Right	18.54	/	/	14.92	/	/	<=38.45	Pass
		Outer_Full	18.16	/	/	14.54	/	/	<=38.45	Pass
		Inner_Full	19.35	/	/	15.73	/	/	<=38.45	Pass
	836.5	Inner_1RB_Left	19.90	/	/	16.28	/	/	<=38.45	Pass
		Inner_1RB_Right	20.05	/	/	16.43	/	/	<=38.45	Pass
		Edge_1RB_Left	19.11	/	/	15.49	/	/	<=38.45	Pass
		Edge_1RB_Right	19.28	/	/	15.66	/	/	<=38.45	Pass
		Outer_Full	18.76	/	/	15.14	/	/	<=38.45	Pass
		Inner_Full	19.62	/	/	16.00	/	/	<=38.45	Pass
		Inner_1RB_Left	20.06	/	/	16.44	/	/	<=38.45	Pass
		Inner_1RB_Right	20.25	/	/	16.63	/	/	<=38.45	Pass
	844	Edge_1RB_Left	19.06	/	/	15.44	/	/	<=38.45	Pass
		Edge_1RB_Right	17.93	/	/	14.31	/	/	<=38.45	Pass
Outer_Full		18.42	/	/	14.80	/	/	<=38.45	Pass	
Inner_Full		19.70	/	/	16.08	/	/	<=38.45	Pass	
Inner_1RB_Left		19.70	/	/	16.08	/	/	<=38.45	Pass	
Inner_1RB_Right		19.35	/	/	15.73	/	/	<=38.45	Pass	
CP-OFDM 256 QAM	829	Edge_1RB_Left	16.09	/	/	12.47	/	/	<=38.45	Pass
		Edge_1RB_Right	15.98	/	/	12.36	/	/	<=38.45	Pass
		Outer_Full	15.89	/	/	12.27	/	/	<=38.45	Pass
		Inner_Full	15.68	/	/	12.06	/	/	<=38.45	Pass
		Inner_1RB_Left	15.88	/	/	12.26	/	/	<=38.45	Pass
		Inner_1RB_Right	16.15	/	/	12.53	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	16.32	/	/	12.70	/	/	<=38.45	Pass
		Edge_1RB_Right	16.13	/	/	12.51	/	/	<=38.45	Pass
		Outer_Full	16.14	/	/	12.52	/	/	<=38.45	Pass
		Inner_Full	16.25	/	/	12.63	/	/	<=38.45	Pass
		Inner_1RB_Left	16.12	/	/	12.50	/	/	<=38.45	Pass
		Inner_1RB_Right	16.24	/	/	12.62	/	/	<=38.45	Pass
	844	Edge_1RB_Left	16.48	/	/	12.86	/	/	<=38.45	Pass
		Edge_1RB_Right	15.33	/	/	11.71	/	/	<=38.45	Pass
		Outer_Full	16.15	/	/	12.53	/	/	<=38.45	Pass
		Inner_Full	15.91	/	/	12.29	/	/	<=38.45	Pass
Inner_1RB_Left		16.22	/	/	12.60	/	/	<=38.45	Pass	
Inner_1RB_Right		15.89	/	/	12.27	/	/	<=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 NTV										
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	21.12	/	/	17.50	/	/	<=38.45	Pass
		Edge 1RB Right	21.61	/	/	17.99	/	/	<=38.45	Pass
		Outer Full	20.96	/	/	17.34	/	/	<=38.45	Pass
		Inner Full	20.88	/	/	17.26	/	/	<=38.45	Pass
		Inner 1RB Left	21.67	/	/	18.05	/	/	<=38.45	Pass
		Inner 1RB Right	21.55	/	/	17.93	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.22	/	/	17.60	/	/	<=38.45	Pass
		Edge 1RB Right	21.21	/	/	17.59	/	/	<=38.45	Pass
		Outer Full	20.71	/	/	17.09	/	/	<=38.45	Pass
		Inner Full	20.89	/	/	17.27	/	/	<=38.45	Pass
		Inner 1RB Left	21.43	/	/	17.81	/	/	<=38.45	Pass
		Inner 1RB Right	21.52	/	/	17.90	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	21.33	/	/	17.71	/	/	<=38.45	Pass
		Edge 1RB Right	20.73	/	/	17.11	/	/	<=38.45	Pass
		Outer Full	21.27	/	/	17.65	/	/	<=38.45	Pass
		Inner Full	20.90	/	/	17.28	/	/	<=38.45	Pass
		Inner 1RB Left	21.50	/	/	17.88	/	/	<=38.45	Pass
		Inner 1RB Right	21.20	/	/	17.58	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge 1RB Left	20.14	/	/	16.52	/	/	<=38.45	Pass
		Edge 1RB Right	20.33	/	/	16.71	/	/	<=38.45	Pass
		Outer Full	19.62	/	/	16.00	/	/	<=38.45	Pass
		Inner Full	19.94	/	/	16.32	/	/	<=38.45	Pass
		Inner 1RB Left	20.55	/	/	16.93	/	/	<=38.45	Pass
		Inner 1RB Right	20.71	/	/	17.09	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.23	/	/	16.61	/	/	<=38.45	Pass
		Edge 1RB Right	20.42	/	/	16.80	/	/	<=38.45	Pass
		Outer Full	19.49	/	/	15.87	/	/	<=38.45	Pass
		Inner Full	19.97	/	/	16.35	/	/	<=38.45	Pass
		Inner 1RB Left	20.65	/	/	17.03	/	/	<=38.45	Pass
		Inner 1RB Right	20.63	/	/	17.01	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	20.12	/	/	16.50	/	/	<=38.45	Pass
		Edge 1RB Right	19.45	/	/	15.83	/	/	<=38.45	Pass
		Outer Full	19.54	/	/	15.92	/	/	<=38.45	Pass
		Inner Full	19.88	/	/	16.26	/	/	<=38.45	Pass
		Inner 1RB Left	20.46	/	/	16.84	/	/	<=38.45	Pass
		Inner 1RB Right	20.19	/	/	16.57	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge 1RB Left	19.70	/	/	16.08	/	/	<=38.45	Pass
		Edge 1RB Right	19.93	/	/	16.31	/	/	<=38.45	Pass
		Outer Full	19.12	/	/	15.50	/	/	<=38.45	Pass
		Inner Full	18.95	/	/	15.33	/	/	<=38.45	Pass
		Inner 1RB Left	19.59	/	/	15.97	/	/	<=38.45	Pass
		Inner 1RB Right	19.75	/	/	16.13	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.86	/	/	16.24	/	/	<=38.45	Pass
		Edge 1RB Right	19.97	/	/	16.35	/	/	<=38.45	Pass
		Outer Full	19.19	/	/	15.57	/	/	<=38.45	Pass
		Inner Full	19.07	/	/	15.45	/	/	<=38.45	Pass
		Inner 1RB Left	19.71	/	/	16.09	/	/	<=38.45	Pass
		Inner 1RB Right	19.85	/	/	16.23	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	19.70	/	/	16.08	/	/	<=38.45	Pass
		Edge 1RB Right	19.10	/	/	15.48	/	/	<=38.45	Pass

		Outer Full	19.08	/	/	15.46	/	/	<=38.45	Pass
		Inner Full	18.95	/	/	15.33	/	/	<=38.45	Pass
		Inner 1RB Left	19.40	/	/	15.78	/	/	<=38.45	Pass
		Inner 1RB Right	19.23	/	/	15.61	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Edge 1RB Left	17.97	/	/	14.35	/	/	<=38.45	Pass
		Edge 1RB Right	18.22	/	/	14.60	/	/	<=38.45	Pass
		Outer Full	17.57	/	/	13.95	/	/	<=38.45	Pass
		Inner Full	17.42	/	/	13.80	/	/	<=38.45	Pass
		Inner 1RB Left	17.91	/	/	14.29	/	/	<=38.45	Pass
		Inner 1RB Right	18.07	/	/	14.45	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	18.31	/	/	14.69	/	/	<=38.45	Pass
		Edge 1RB Right	18.54	/	/	14.92	/	/	<=38.45	Pass
		Outer Full	17.80	/	/	14.18	/	/	<=38.45	Pass
		Inner Full	17.67	/	/	14.05	/	/	<=38.45	Pass
		Inner 1RB Left	18.27	/	/	14.65	/	/	<=38.45	Pass
		Inner 1RB Right	18.34	/	/	14.72	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	18.25	/	/	14.63	/	/	<=38.45	Pass
		Edge 1RB Right	17.73	/	/	14.11	/	/	<=38.45	Pass
		Outer Full	17.77	/	/	14.15	/	/	<=38.45	Pass
		Inner Full	17.46	/	/	13.84	/	/	<=38.45	Pass
		Inner 1RB Left	17.96	/	/	14.34	/	/	<=38.45	Pass
		Inner 1RB Right	17.89	/	/	14.27	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Edge 1RB Left	19.38	/	/	15.76	/	/	<=38.45	Pass
		Edge 1RB Right	19.92	/	/	16.30	/	/	<=38.45	Pass
		Outer Full	19.15	/	/	15.53	/	/	<=38.45	Pass
		Inner Full	19.33	/	/	15.71	/	/	<=38.45	Pass
		Inner 1RB Left	19.94	/	/	16.32	/	/	<=38.45	Pass
		Inner 1RB Right	19.87	/	/	16.25	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.64	/	/	16.02	/	/	<=38.45	Pass
		Edge 1RB Right	19.92	/	/	16.30	/	/	<=38.45	Pass
		Outer Full	19.42	/	/	15.80	/	/	<=38.45	Pass
		Inner Full	19.53	/	/	15.91	/	/	<=38.45	Pass
		Inner 1RB Left	20.04	/	/	16.42	/	/	<=38.45	Pass
		Inner 1RB Right	20.14	/	/	16.52	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	19.45	/	/	15.83	/	/	<=38.45	Pass
		Edge 1RB Right	19.01	/	/	15.39	/	/	<=38.45	Pass
		Outer Full	19.14	/	/	15.52	/	/	<=38.45	Pass
		Inner Full	20.12	/	/	16.50	/	/	<=38.45	Pass
		Inner 1RB Left	20.36	/	/	16.74	/	/	<=38.45	Pass
		Inner 1RB Right	20.07	/	/	16.45	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Edge 1RB Left	19.12	/	/	15.50	/	/	<=38.45	Pass
		Edge 1RB Right	19.41	/	/	15.79	/	/	<=38.45	Pass
		Outer Full	18.59	/	/	14.97	/	/	<=38.45	Pass
		Inner Full	18.99	/	/	15.37	/	/	<=38.45	Pass
		Inner 1RB Left	19.52	/	/	15.90	/	/	<=38.45	Pass
		Inner 1RB Right	19.68	/	/	16.06	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.34	/	/	15.72	/	/	<=38.45	Pass
		Edge 1RB Right	19.58	/	/	15.96	/	/	<=38.45	Pass
		Outer Full	19.25	/	/	15.63	/	/	<=38.45	Pass
		Inner Full	19.11	/	/	15.49	/	/	<=38.45	Pass
		Inner 1RB Left	19.75	/	/	16.13	/	/	<=38.45	Pass
		Inner 1RB Right	19.81	/	/	16.19	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	19.58	/	/	15.96	/	/	<=38.45	Pass
		Edge 1RB Right	19.03	/	/	15.41	/	/	<=38.45	Pass
		Outer Full	19.19	/	/	15.57	/	/	<=38.45	Pass
		Inner Full	19.24	/	/	15.62	/	/	<=38.45	Pass
		Inner 1RB Left	19.87	/	/	16.25	/	/	<=38.45	Pass
		Inner 1RB Right	19.64	/	/	16.02	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge 1RB Left	18.83	/	/	15.21	/	/	<=38.45	Pass

		Edge_1RB_Right	19.10	/	/	15.48	/	/	<=38.45	Pass
		Outer_Full	18.20	/	/	14.58	/	/	<=38.45	Pass
		Inner_Full	19.00	/	/	15.38	/	/	<=38.45	Pass
		Inner_1RB_Left	19.83	/	/	16.21	/	/	<=38.45	Pass
		Inner_1RB_Right	19.82	/	/	16.20	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.08	/	/	15.46	/	/	<=38.45	Pass
		Edge_1RB_Right	19.34	/	/	15.72	/	/	<=38.45	Pass
		Outer_Full	18.41	/	/	14.79	/	/	<=38.45	Pass
		Inner_Full	19.15	/	/	15.53	/	/	<=38.45	Pass
		Inner_1RB_Left	19.95	/	/	16.33	/	/	<=38.45	Pass
	841.5	Inner_1RB_Right	20.02	/	/	16.40	/	/	<=38.45	Pass
		Edge_1RB_Left	19.14	/	/	15.52	/	/	<=38.45	Pass
		Edge_1RB_Right	18.69	/	/	15.07	/	/	<=38.45	Pass
		Outer_Full	18.54	/	/	14.92	/	/	<=38.45	Pass
		Inner_Full	19.14	/	/	15.52	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Inner_1RB_Left	19.92	/	/	16.30	/	/	<=38.45	Pass
		Inner_1RB_Right	19.66	/	/	16.04	/	/	<=38.45	Pass
		Edge_1RB_Left	16.04	/	/	12.42	/	/	<=38.45	Pass
		Edge_1RB_Right	16.34	/	/	12.72	/	/	<=38.45	Pass
		Outer_Full	15.58	/	/	11.96	/	/	<=38.45	Pass
		Inner_Full	15.48	/	/	11.86	/	/	<=38.45	Pass
	836.5	Inner_1RB_Left	15.97	/	/	12.35	/	/	<=38.45	Pass
		Inner_1RB_Right	16.15	/	/	12.53	/	/	<=38.45	Pass
		Edge_1RB_Left	16.31	/	/	12.69	/	/	<=38.45	Pass
		Edge_1RB_Right	16.63	/	/	13.01	/	/	<=38.45	Pass
		Outer_Full	15.80	/	/	12.18	/	/	<=38.45	Pass
		Inner_Full	15.72	/	/	12.10	/	/	<=38.45	Pass
	841.5	Inner_1RB_Left	16.30	/	/	12.68	/	/	<=38.45	Pass
		Inner_1RB_Right	16.37	/	/	12.75	/	/	<=38.45	Pass
		Edge_1RB_Left	16.60	/	/	12.98	/	/	<=38.45	Pass
Edge_1RB_Right		16.14	/	/	12.52	/	/	<=38.45	Pass	
Outer_Full		16.28	/	/	12.66	/	/	<=38.45	Pass	
	Inner_Full	15.87	/	/	12.25	/	/	<=38.45	Pass	
	Inner_1RB_Left	16.47	/	/	12.85	/	/	<=38.45	Pass	
		Inner_1RB_Right	16.18	/	/	12.56	/	/	<=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	21.49	/	/	17.87	/	/	<=38.45	Pass
		Edge_1RB_Right	22.01	/	/	18.39	/	/	<=38.45	Pass
		Outer_Full	21.23	/	/	17.61	/	/	<=38.45	Pass
		Inner_Full	21.57	/	/	17.95	/	/	<=38.45	Pass
		Inner_1RB_Left	22.13	/	/	18.51	/	/	<=38.45	Pass
		Inner_1RB_Right	22.65	/	/	19.03	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.55	/	/	17.93	/	/	<=38.45	Pass
		Edge_1RB_Right	21.60	/	/	17.98	/	/	<=38.45	Pass
		Outer_Full	21.04	/	/	17.42	/	/	<=38.45	Pass
		Inner_Full	21.02	/	/	17.40	/	/	<=38.45	Pass
		Inner_1RB_Left	21.80	/	/	18.18	/	/	<=38.45	Pass
		Inner_1RB_Right	21.91	/	/	18.29	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.24	/	/	17.62	/	/	<=38.45	Pass
		Edge_1RB_Right	20.30	/	/	16.68	/	/	<=38.45	Pass
		Outer_Full	21.01	/	/	17.39	/	/	<=38.45	Pass

		Inner Full	20.74	/	/	17.12	/	/	<=38.45	Pass
		Inner 1RB Left	21.79	/	/	18.17	/	/	<=38.45	Pass
		Inner 1RB Right	21.12	/	/	17.50	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge 1RB Left	20.63	/	/	17.01	/	/	<=38.45	Pass
		Edge 1RB Right	20.93	/	/	17.31	/	/	<=38.45	Pass
		Outer Full	20.20	/	/	16.58	/	/	<=38.45	Pass
		Inner Full	20.18	/	/	16.56	/	/	<=38.45	Pass
		Inner 1RB Left	21.11	/	/	17.49	/	/	<=38.45	Pass
		Inner 1RB Right	21.26	/	/	17.64	/	/	<=38.45	Pass
		Edge 1RB Left	20.41	/	/	16.79	/	/	<=38.45	Pass
	836.5	Edge 1RB Right	20.66	/	/	17.04	/	/	<=38.45	Pass
		Outer Full	19.72	/	/	16.10	/	/	<=38.45	Pass
		Inner Full	19.95	/	/	16.33	/	/	<=38.45	Pass
		Inner 1RB Left	20.88	/	/	17.26	/	/	<=38.45	Pass
		Inner 1RB Right	20.90	/	/	17.28	/	/	<=38.45	Pass
	839	Edge 1RB Left	20.17	/	/	16.55	/	/	<=38.45	Pass
		Edge 1RB Right	19.22	/	/	15.60	/	/	<=38.45	Pass
		Outer Full	19.48	/	/	15.86	/	/	<=38.45	Pass
		Inner Full	19.72	/	/	16.10	/	/	<=38.45	Pass
		Inner 1RB Left	20.67	/	/	17.05	/	/	<=38.45	Pass
		Inner 1RB Right	20.02	/	/	16.40	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Edge 1RB Left	20.13	/	/	16.51	/	/	<=38.45	Pass
		Edge 1RB Right	20.34	/	/	16.72	/	/	<=38.45	Pass
		Outer Full	19.51	/	/	15.89	/	/	<=38.45	Pass
		Inner Full	19.68	/	/	16.06	/	/	<=38.45	Pass
		Inner 1RB Left	20.11	/	/	16.49	/	/	<=38.45	Pass
		Inner 1RB Right	20.28	/	/	16.66	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.00	/	/	16.38	/	/	<=38.45	Pass
		Edge 1RB Right	20.23	/	/	16.61	/	/	<=38.45	Pass
		Outer Full	19.28	/	/	15.66	/	/	<=38.45	Pass
		Inner Full	19.09	/	/	15.47	/	/	<=38.45	Pass
		Inner 1RB Left	19.97	/	/	16.35	/	/	<=38.45	Pass
		Inner 1RB Right	20.18	/	/	16.56	/	/	<=38.45	Pass
	839	Edge 1RB Left	19.68	/	/	16.06	/	/	<=38.45	Pass
		Edge 1RB Right	18.73	/	/	15.11	/	/	<=38.45	Pass
		Outer Full	19.02	/	/	15.40	/	/	<=38.45	Pass
		Inner Full	18.79	/	/	15.17	/	/	<=38.45	Pass
		Inner 1RB Left	19.75	/	/	16.13	/	/	<=38.45	Pass
		Inner 1RB Right	19.05	/	/	15.43	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge 1RB Left	18.70	/	/	15.08	/	/	<=38.45	Pass
		Edge 1RB Right	19.04	/	/	15.42	/	/	<=38.45	Pass
		Outer Full	18.37	/	/	14.75	/	/	<=38.45	Pass
		Inner Full	17.83	/	/	14.21	/	/	<=38.45	Pass
		Inner 1RB Left	18.72	/	/	15.10	/	/	<=38.45	Pass
		Inner 1RB Right	18.84	/	/	15.22	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	18.46	/	/	14.84	/	/	<=38.45	Pass
		Edge 1RB Right	18.81	/	/	15.19	/	/	<=38.45	Pass
		Outer Full	17.89	/	/	14.27	/	/	<=38.45	Pass
		Inner Full	17.62	/	/	14.00	/	/	<=38.45	Pass
		Inner 1RB Left	18.48	/	/	14.86	/	/	<=38.45	Pass
		Inner 1RB Right	18.62	/	/	15.00	/	/	<=38.45	Pass
	839	Edge 1RB Left	18.03	/	/	14.41	/	/	<=38.45	Pass
		Edge 1RB Right	17.17	/	/	13.55	/	/	<=38.45	Pass
		Outer Full	17.67	/	/	14.05	/	/	<=38.45	Pass
		Inner Full	17.24	/	/	13.62	/	/	<=38.45	Pass
		Inner 1RB Left	18.05	/	/	14.43	/	/	<=38.45	Pass
		Inner 1RB Right	17.47	/	/	13.85	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge 1RB Left	19.89	/	/	16.27	/	/	<=38.45	Pass
		Edge 1RB Right	20.43	/	/	16.81	/	/	<=38.45	Pass

		Outer Full	19.69	/	/	16.07	/	/	<=38.45	Pass
		Inner Full	20.00	/	/	16.38	/	/	<=38.45	Pass
		Inner 1RB Left	20.54	/	/	16.92	/	/	<=38.45	Pass
		Inner 1RB Right	20.93	/	/	17.31	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.75	/	/	16.13	/	/	<=38.45	Pass
		Edge 1RB Right	20.25	/	/	16.63	/	/	<=38.45	Pass
		Outer Full	19.86	/	/	16.24	/	/	<=38.45	Pass
		Inner Full	19.68	/	/	16.06	/	/	<=38.45	Pass
	839	Inner 1RB Left	20.33	/	/	16.71	/	/	<=38.45	Pass
		Inner 1RB Right	20.55	/	/	16.93	/	/	<=38.45	Pass
		Edge 1RB Left	19.33	/	/	15.71	/	/	<=38.45	Pass
		Edge 1RB Right	18.51	/	/	14.89	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Outer Full	19.05	/	/	15.43	/	/	<=38.45	Pass
		Inner Full	19.80	/	/	16.18	/	/	<=38.45	Pass
		Inner 1RB Left	20.27	/	/	16.65	/	/	<=38.45	Pass
		Inner 1RB Right	19.75	/	/	16.13	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.72	/	/	16.10	/	/	<=38.45	Pass
		Edge 1RB Right	20.04	/	/	16.42	/	/	<=38.45	Pass
		Outer Full	19.36	/	/	15.74	/	/	<=38.45	Pass
		Inner Full	19.28	/	/	15.66	/	/	<=38.45	Pass
	839	Inner 1RB Left	20.23	/	/	16.61	/	/	<=38.45	Pass
		Inner 1RB Right	20.36	/	/	16.74	/	/	<=38.45	Pass
		Edge 1RB Left	19.92	/	/	16.30	/	/	<=38.45	Pass
		Edge 1RB Right	20.17	/	/	16.55	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Outer Full	19.04	/	/	15.42	/	/	<=38.45	Pass
		Inner Full	19.33	/	/	15.71	/	/	<=38.45	Pass
		Inner 1RB Left	20.30	/	/	16.68	/	/	<=38.45	Pass
		Inner 1RB Right	20.41	/	/	16.79	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.40	/	/	15.78	/	/	<=38.45	Pass
		Edge 1RB Right	18.53	/	/	14.91	/	/	<=38.45	Pass
		Outer Full	18.99	/	/	15.37	/	/	<=38.45	Pass
		Inner Full	18.92	/	/	15.30	/	/	<=38.45	Pass
	839	Inner 1RB Left	19.85	/	/	16.23	/	/	<=38.45	Pass
		Inner 1RB Right	19.32	/	/	15.70	/	/	<=38.45	Pass
		Edge 1RB Left	19.32	/	/	15.70	/	/	<=38.45	Pass
		Edge 1RB Right	19.64	/	/	16.02	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Outer Full	18.70	/	/	15.08	/	/	<=38.45	Pass
		Inner Full	19.65	/	/	16.03	/	/	<=38.45	Pass
		Inner 1RB Left	20.30	/	/	16.68	/	/	<=38.45	Pass
		Inner 1RB Right	20.43	/	/	16.81	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.64	/	/	16.02	/	/	<=38.45	Pass
		Edge 1RB Right	19.82	/	/	16.20	/	/	<=38.45	Pass
		Outer Full	18.72	/	/	15.10	/	/	<=38.45	Pass
		Inner Full	19.33	/	/	15.71	/	/	<=38.45	Pass
	839	Inner 1RB Left	20.45	/	/	16.83	/	/	<=38.45	Pass
		Inner 1RB Right	20.55	/	/	16.93	/	/	<=38.45	Pass
		Edge 1RB Left	19.07	/	/	15.45	/	/	<=38.45	Pass
		Edge 1RB Right	18.20	/	/	14.58	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Outer Full	18.35	/	/	14.73	/	/	<=38.45	Pass
		Inner Full	18.90	/	/	15.28	/	/	<=38.45	Pass
		Inner 1RB Left	19.95	/	/	16.33	/	/	<=38.45	Pass
		Inner 1RB Right	19.30	/	/	15.68	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	16.74	/	/	13.12	/	/	<=38.45	Pass
		Edge 1RB Right	17.05	/	/	13.43	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Outer Full	16.34	/	/	12.72	/	/	<=38.45	Pass
		Inner Full	15.80	/	/	12.18	/	/	<=38.45	Pass
		Inner 1RB Left	16.75	/	/	13.13	/	/	<=38.45	Pass
		Inner 1RB Right	16.90	/	/	13.28	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	16.88	/	/	13.26	/	/	<=38.45	Pass

		Edge_1RB_Right	17.16	/	/	13.54	/	/	<=38.45	Pass
		Outer_Full	16.08	/	/	12.46	/	/	<=38.45	Pass
		Inner_Full	15.87	/	/	12.25	/	/	<=38.45	Pass
		Inner_1RB_Left	16.81	/	/	13.19	/	/	<=38.45	Pass
		Inner_1RB_Right	17.00	/	/	13.38	/	/	<=38.45	Pass
	839	Edge_1RB_Left	16.21	/	/	12.59	/	/	<=38.45	Pass
		Edge_1RB_Right	15.36	/	/	11.74	/	/	<=38.45	Pass
		Outer_Full	15.66	/	/	12.04	/	/	<=38.45	Pass
		Inner_Full	15.37	/	/	11.75	/	/	<=38.45	Pass
		Inner_1RB_Left	16.22	/	/	12.60	/	/	<=38.45	Pass
		Inner_1RB_Right	15.68	/	/	12.06	/	/	<=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	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0047	>=-2.5 & <=2.5	Pass
			10	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-1.30	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	2.00	0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-0.70	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0029	>=-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	2.10	0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-1.00	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-1.00	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-1.80	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			50	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	0.50	0.0006	>=-2.5 & <=2.5	Pass
				HV	-1.30	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-1.40	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0065	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			50	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-0.90	-0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	-0.70	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-0.70	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.50	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-0.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.50	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.30	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.10	-0.0025	≥ -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	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-1.50	-0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.30	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.90	-0.0047	≥ -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	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			-30	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	0.20	0.0002	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	1.20	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-0.20	-0.0002	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			30	NV	-1.70	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	1.30	0.0016	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	-1.90	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-1.90	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0039	>=-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	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-1.50	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0047	>=-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	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass

				HV	-2.80	-0.0033	>=-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	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0049	>=-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	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-2.80	-0.0033	>=-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	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-1.00	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-1.30	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-1.50	-0.0018	>=-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	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-1.20	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	0.30	0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-0.80	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-0.90	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-1.20	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-1.90	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-1.00	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass

			30	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			-20	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			0	NV	-3.50	-0.0042	>=-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	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-3.70
HV	-2.30	-0.0027					>=-2.5 & <=2.5	Pass
-30	NV	-2.60				-0.0031	>=-2.5 & <=2.5	Pass
-20	NV	-2.70				-0.0032	>=-2.5 & <=2.5	Pass
-10	NV	-2.40				-0.0029	>=-2.5 & <=2.5	Pass
0	NV	-2.10				-0.0025	>=-2.5 & <=2.5	Pass
10	NV	-2.60				-0.0031	>=-2.5 & <=2.5	Pass
20	NV	-2.20				-0.0026	>=-2.5 & <=2.5	Pass
30	NV	-2.50				-0.0030	>=-2.5 & <=2.5	Pass
40	NV	0.80				0.0010	>=-2.5 & <=2.5	Pass
50	NV	-1.70				-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full				20	LV	-3.10
			HV	-1.70	-0.0020		>=-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	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-0.20	-0.0002	>=-2.5 & <=2.5	Pass
			20	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-1.30	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-1.70
HV	-3.40	-0.0041					>=-2.5 & <=2.5	Pass
-30	NV	-2.90				-0.0035	>=-2.5 & <=2.5	Pass
-20	NV	-2.10				-0.0025	>=-2.5 & <=2.5	Pass
-10	NV	-2.90				-0.0035	>=-2.5 & <=2.5	Pass
0	NV	-3.60				-0.0043	>=-2.5 & <=2.5	Pass
10	NV	-3.80				-0.0045	>=-2.5 & <=2.5	Pass
20	NV	-2.90				-0.0035	>=-2.5 & <=2.5	Pass
30	NV	-2.80				-0.0033	>=-2.5 & <=2.5	Pass
40	NV	-2.50				-0.0030	>=-2.5 & <=2.5	Pass
50	NV	-2.90				-0.0035	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full				20	LV	-3.10
			HV	-3.50	-0.0042		>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0033	>=-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	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-3.00

				HV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			50	NV	-2.90	-0.0035	>=-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	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0047	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			40	NV	0.60	0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	1.80	0.0022	>=-2.5 & <=2.5	Pass
				HV	-1.10	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-1.80	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-1.70	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass

			30	NV	-2.50	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	0.20	0.0002	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-1.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-2.50	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.30	-0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.60	-0.0031	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-0.90	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-1.50	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.20	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-2.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-2.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-2.60	-0.0031	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.20	-0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.40	-0.0041	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-2.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-2.70	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.20	-0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.60	-0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.40	-0.0053	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.60	-0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.20	-0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.20	-0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.00	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.60	-0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.40	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.60	-0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-2.50	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-1.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.30	-0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-1.80	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-1.40	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	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	17.50	0.0209	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	15.80	0.0189	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	17.50	0.0209	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	13.40	0.0160	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			-10	NV	11.90	0.0142	≥ -2.5 & ≤ 2.5	Pass
			0	NV	12.50	0.0149	≥ -2.5 & ≤ 2.5	Pass
			10	NV	17.10	0.0204	≥ -2.5 & ≤ 2.5	Pass
			20	NV	16.90	0.0202	≥ -2.5 & ≤ 2.5	Pass
			30	NV	15.80	0.0189	≥ -2.5 & ≤ 2.5	Pass
			40	NV	14.80	0.0177	≥ -2.5 & ≤ 2.5	Pass
			50	NV	12.70	0.0152	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	21.00	0.0251	≥ -2.5 & ≤ 2.5	Pass
				HV	10.70	0.0128	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	17.80	0.0213	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	19.30	0.0231	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	17.50	0.0209	≥ -2.5 & ≤ 2.5	Pass
			0	NV	23.30	0.0279	≥ -2.5 & ≤ 2.5	Pass
			10	NV	10.50	0.0126	≥ -2.5 & ≤ 2.5	Pass
			20	NV	15.50	0.0185	≥ -2.5 & ≤ 2.5	Pass
			30	NV	20.70	0.0247	≥ -2.5 & ≤ 2.5	Pass
			40	NV	19.10	0.0228	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	50	NV	20.00	0.0239	≥ -2.5 & ≤ 2.5	Pass
			20	LV	22.80	0.0273	≥ -2.5 & ≤ 2.5	Pass
				HV	13.70	0.0164	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	21.20	0.0253	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	25.70	0.0307	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	13.50	0.0161	≥ -2.5 & ≤ 2.5	Pass
			0	NV	16.10	0.0192	≥ -2.5 & ≤ 2.5	Pass
			10	NV	11.90	0.0142	≥ -2.5 & ≤ 2.5	Pass
			20	NV	22.50	0.0269	≥ -2.5 & ≤ 2.5	Pass
			30	NV	21.70	0.0259	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	40	NV	19.90	0.0238	≥ -2.5 & ≤ 2.5	Pass
			50	NV	14.60	0.0175	≥ -2.5 & ≤ 2.5	Pass
			20	LV	21.90	0.0262	≥ -2.5 & ≤ 2.5	Pass
				HV	13.60	0.0163	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	20.40	0.0244	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	22.10	0.0264	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	12.90	0.0154	≥ -2.5 & ≤ 2.5	Pass
			0	NV	23.60	0.0282	≥ -2.5 & ≤ 2.5	Pass
			10	NV	13.40	0.0160	≥ -2.5 & ≤ 2.5	Pass
			20	NV	24.00	0.0287	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	30	NV	12.30	0.0147	≥ -2.5 & ≤ 2.5	Pass
			40	NV	19.90	0.0238	≥ -2.5 & ≤ 2.5	Pass
			50	NV	21.50	0.0257	≥ -2.5 & ≤ 2.5	Pass
			20	LV	4.00	0.0048	≥ -2.5 & ≤ 2.5	Pass
				HV	3.00	0.0036	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.30	-0.0063	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.30	0.0027	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.00	0.0072	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.50	0.0030	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	NV	3.80	0.0045	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.70	-0.0056	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.20	0.0038	≥ -2.5 & ≤ 2.5	Pass
			20	LV	5.50	0.0066	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.00	0.0036	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.50	0.0042	≥ -2.5 & ≤ 2.5	Pass

			30	NV	3.20	0.0038	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.60	0.0079	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.30	0.0027	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.80	0.0045	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.50	-0.0078	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.60	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.30	-0.0027	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	3.20	0.0038	≥ -2.5 & ≤ 2.5	Pass
				HV	3.70	0.0044	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.20	0.0050	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.30	0.0063	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.00	0.0036	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.70	0.0032	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.20	0.0038	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.60	0.0055	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.50	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.40	0.0041	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.50	-0.0042	≥ -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	11.90	0.0142	≥ -2.5 & ≤ 2.5	Pass
				HV	18.10	0.0216	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	12.60	0.0151	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	12.00	0.0143	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	12.70	0.0152	≥ -2.5 & ≤ 2.5	Pass
			0	NV	10.70	0.0128	≥ -2.5 & ≤ 2.5	Pass
			10	NV	11.60	0.0139	≥ -2.5 & ≤ 2.5	Pass
			20	NV	15.90	0.0190	≥ -2.5 & ≤ 2.5	Pass
			30	NV	18.00	0.0215	≥ -2.5 & ≤ 2.5	Pass
			40	NV	15.00	0.0179	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	15.10	0.0181	≥ -2.5 & ≤ 2.5	Pass
				HV	16.70	0.0200	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	14.10	0.0169	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	12.20	0.0146	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	11.10	0.0133	≥ -2.5 & ≤ 2.5	Pass
			0	NV	18.30	0.0219	≥ -2.5 & ≤ 2.5	Pass
			10	NV	17.50	0.0209	≥ -2.5 & ≤ 2.5	Pass
			20	NV	10.50	0.0126	≥ -2.5 & ≤ 2.5	Pass
			30	NV	23.00	0.0275	≥ -2.5 & ≤ 2.5	Pass
			40	NV	20.90	0.0250	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	NV	23.40	0.0280	≥ -2.5 & ≤ 2.5	Pass
				NV	16.00	0.0191	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	12.20	0.0146	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	17.00	0.0203	≥ -2.5 & ≤ 2.5	Pass

			-10	NV	11.90	0.0142	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	24.00	0.0287	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	15.00	0.0179	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	12.70	0.0152	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	10.50	0.0126	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	12.70	0.0152	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	14.00	0.0167	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	13.10	0.0157	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	12.50	0.0149	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	11.20	0.0134	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	22.30	0.0267	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	14.30	0.0171	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	14.10	0.0169	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	10.60	0.0127	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	12.30	0.0147	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	18.10	0.0216	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	11.00	0.0132	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	836.5	Outer_Full	50	NV	12.50	0.0149	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.50	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-2.70	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	3.20	0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	1.00	0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-2.00	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	40	NV	-5.00	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-3.30	-0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	5.30	0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.30	-0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	3.00	0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.30	-0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.10	-0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.40	-0.0041	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	30	NV	-3.20	-0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.10	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	3.20	0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-5.30	-0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	4.00	0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.40	-0.0053	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	3.50	0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	4.60	0.0055	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.10	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	2.90	0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	NV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.00	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-2.70	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	4.30	0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-1.20	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	4.00	0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.20	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	3.30	0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.40	-0.0053	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.10	-0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.50	-0.0054	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			30	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	3.90	0.0047	>=-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	13.30	0.0159	>=-2.5 & <=2.5	Pass
				HV	12.50	0.0149	>=-2.5 & <=2.5	Pass
			-30	NV	13.80	0.0165	>=-2.5 & <=2.5	Pass
			-20	NV	13.90	0.0166	>=-2.5 & <=2.5	Pass
			-10	NV	15.40	0.0184	>=-2.5 & <=2.5	Pass
			0	NV	11.70	0.0140	>=-2.5 & <=2.5	Pass
			10	NV	14.50	0.0173	>=-2.5 & <=2.5	Pass
			20	NV	12.40	0.0148	>=-2.5 & <=2.5	Pass
			30	NV	20.40	0.0244	>=-2.5 & <=2.5	Pass
			40	NV	17.20	0.0206	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	14.30	0.0171	>=-2.5 & <=2.5	Pass
				HV	13.10	0.0157	>=-2.5 & <=2.5	Pass
			-30	NV	12.30	0.0147	>=-2.5 & <=2.5	Pass
			-20	NV	17.70	0.0212	>=-2.5 & <=2.5	Pass
			-10	NV	24.70	0.0295	>=-2.5 & <=2.5	Pass
			0	NV	13.30	0.0159	>=-2.5 & <=2.5	Pass
			10	NV	20.30	0.0243	>=-2.5 & <=2.5	Pass
			20	NV	13.20	0.0158	>=-2.5 & <=2.5	Pass
			30	NV	11.00	0.0132	>=-2.5 & <=2.5	Pass
			40	NV	11.20	0.0134	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	17.10	0.0204	>=-2.5 & <=2.5	Pass
				HV	10.90	0.0130	>=-2.5 & <=2.5	Pass
			-30	NV	12.40	0.0148	>=-2.5 & <=2.5	Pass
			-20	NV	14.30	0.0171	>=-2.5 & <=2.5	Pass
			-10	NV	19.20	0.0230	>=-2.5 & <=2.5	Pass
			0	NV	13.00	0.0155	>=-2.5 & <=2.5	Pass
			10	NV	12.20	0.0146	>=-2.5 & <=2.5	Pass
			20	NV	18.70	0.0224	>=-2.5 & <=2.5	Pass
			30	NV	13.90	0.0166	>=-2.5 & <=2.5	Pass
			40	NV	16.80	0.0201	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	10.50	0.0126	>=-2.5 & <=2.5	Pass
				HV	13.50	0.0161	>=-2.5 & <=2.5	Pass
			-30	NV	14.40	0.0172	>=-2.5 & <=2.5	Pass
			-20	NV	14.00	0.0167	>=-2.5 & <=2.5	Pass
			-10	NV	13.60	0.0163	>=-2.5 & <=2.5	Pass
			0	NV	12.40	0.0148	>=-2.5 & <=2.5	Pass
			10	NV	10.20	0.0122	>=-2.5 & <=2.5	Pass
			20	NV	11.20	0.0134	>=-2.5 & <=2.5	Pass
			30	NV	12.70	0.0152	>=-2.5 & <=2.5	Pass
			40	NV	13.70	0.0164	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	NV	12.40	0.0148	>=-2.5 & <=2.5	Pass
				LV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			-30	NV	7.60	0.0091	>=-2.5 & <=2.5	Pass
			-20	NV	5.90	0.0071	>=-2.5 & <=2.5	Pass
					3.70	0.0044	>=-2.5 & <=2.5	Pass

			-10	NV	-6.10	-0.0073	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	6.10	0.0073	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	5.30	0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.10	-0.0073	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	5.10	0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.10	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.10	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-2.50	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.40	-0.0065	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.50	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-8.70	-0.0104	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.50	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-2.00	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	4.10	0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	50	NV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	3.80	0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.30	-0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.00	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.50	-0.0066	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.90	-0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.60	-0.0079	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.00	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	3.70	0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	40	NV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	3.30	0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-3.40	-0.0041	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.50	-0.0066	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.10	-0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	3.80	0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.90	-0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-1.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.20	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.20	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	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 (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

3.1.2 30k_SISO_20MHz_NTNV

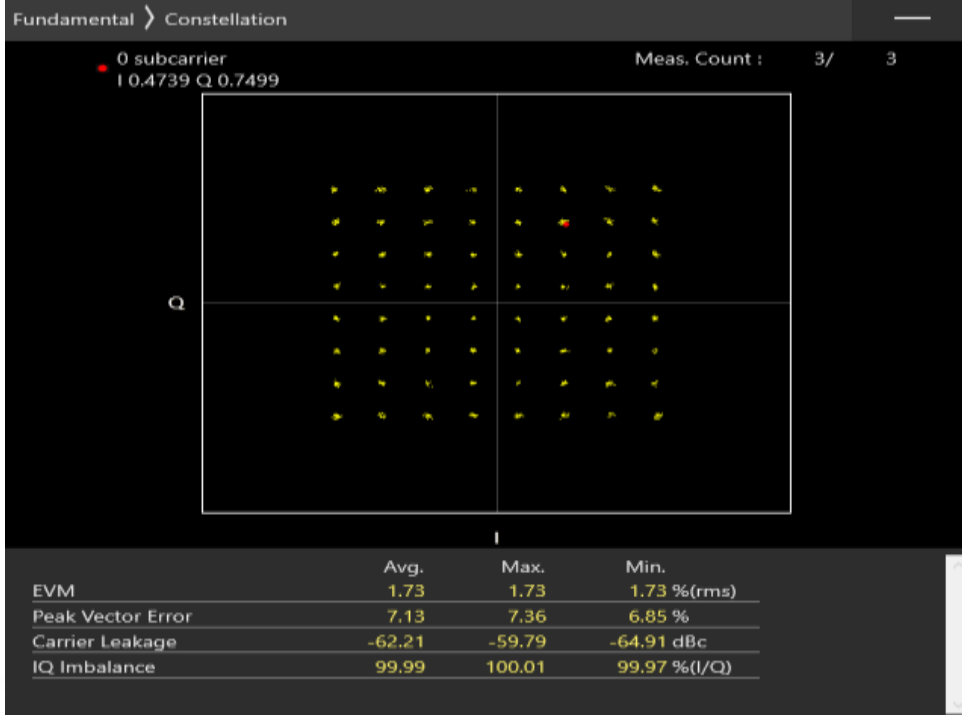
5G NR n5 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full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



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

n5 15kHz SISO NTN 20MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.7100 Q 0.7186

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	2.27	2.29	2.26 %(rms)
Peak Vector Error	7.47	7.69	7.17 %
Carrier Leakage	-44.66	-44.29	-45.07 dBc
IQ Imbalance	99.97	100.04	99.93 %(I/Q)

n5 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.3219 Q 0.3135

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	1.94	1.97	1.92 %(rms)
Peak Vector Error	6.20	6.36	5.94 %
Carrier Leakage	-47.04	-46.66	-47.28 dBc
IQ Imbalance	100.01	100.03	100.00 %(I/Q)

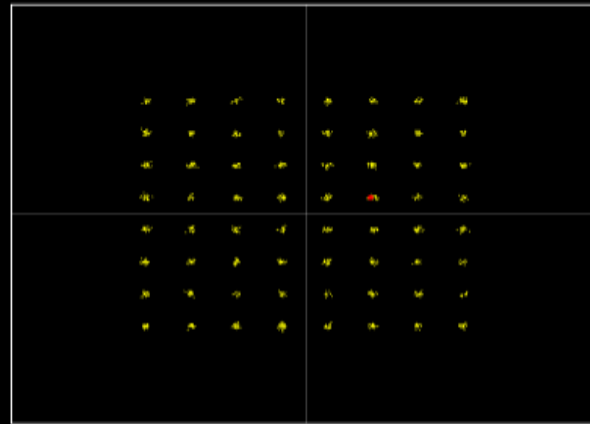
n5 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.4520 Q 0.1500

Meas. Count : 3/ 3

Q



	Avg.	Max.	Min.
EVM	1.91	1.94	1.88 %(rms)
Peak Vector Error	6.92	8.07	6.02 %
Carrier Leakage	-42.81	-42.51	-43.21 dBc
IQ Imbalance	100.01	100.03	99.99 %(I/Q)

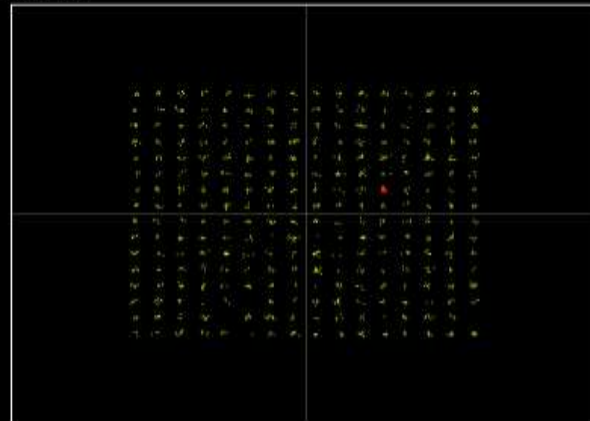
n5 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.5426 Q 0.2156

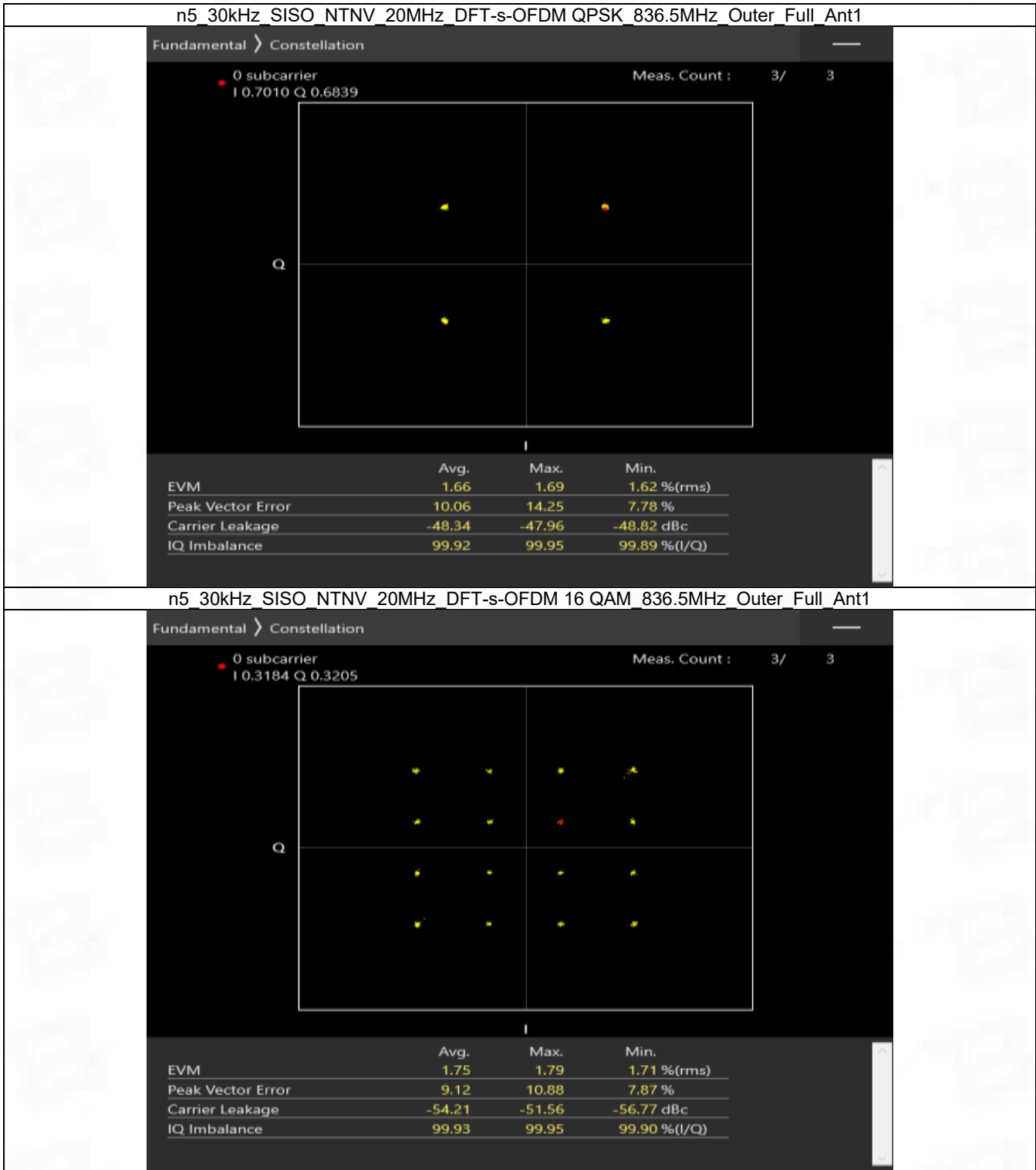
Meas. Count : 3/ 3

Q



	Avg.	Max.	Min.
EVM	1.95	2.00	1.92 %(rms)
Peak Vector Error	7.21	7.75	6.74 %
Carrier Leakage	-52.76	-51.11	-54.34 dBc
IQ Imbalance	99.98	100.00	99.97 %(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 0.4580 Q 0.4398

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	1.78	1.81	1.74 %(rms)
Peak Vector Error	6.63	7.12	6.17 %
Carrier Leakage	-56.08	-53.77	-57.99 dBc
IQ Imbalance	99.99	100.05	99.94 %(I/Q)

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

Fundamental > Constellation

0 subcarrier
I 0.5413 Q 0.5087

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	1.80	1.81	1.77 %(rms)
Peak Vector Error	9.14	10.15	7.14 %
Carrier Leakage	-49.21	-48.39	-49.95 dBc
IQ Imbalance	99.98	99.99	99.97 %(I/Q)

n5 30kHz SISO NTN 20MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.6972 Q 0.7154

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	2.22	2.24	2.18 %(rms)
Peak Vector Error	6.95	7.65	6.26 %
Carrier Leakage	-43.85	-43.39	-44.38 dBc
IQ Imbalance	99.98	100.03	99.95 %(I/Q)

n5 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.3282 Q 0.3012

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	1.97	2.02	1.92 %(rms)
Peak Vector Error	5.91	5.99	5.84 %
Carrier Leakage	-45.02	-44.37	-45.54 dBc
IQ Imbalance	99.93	99.94	99.92 %(I/Q)

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

Fundamental > Constellation

0 subcarrier
I 0.1528 Q 0.4756

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	1.88	1.96	1.83 %(rms)
Peak Vector Error	6.18	6.53	5.65 %
Carrier Leakage	-43.56	-43.09	-44.45 dBc
IQ Imbalance	100.05	100.12	99.98 %(I/Q)

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

Fundamental > Constellation

0 subcarrier
I 0.5505 Q 0.5350

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	1.90	1.93	1.87 %(rms)
Peak Vector Error	6.05	6.26	5.91 %
Carrier Leakage	-44.59	-44.31	-44.90 dBc
IQ Imbalance	99.92	99.95	99.91 %(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	5.05	/	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	5.04	/	Pass
	836.5	Outer_Full	4.57	5.09	/	Pass
	846.5	Outer_Full	4.55	5.04	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.58	5.06	/	Pass
	836.5	Outer_Full	4.59	5.05	/	Pass
	846.5	Outer_Full	4.56	5.02	/	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	5.03	/	Pass
	846.5	Outer_Full	4.53	5.03	/	Pass
CP-OFDM 16 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	5.02	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.53	5.05	/	Pass
	836.5	Outer_Full	4.57	5.05	/	Pass
	846.5	Outer_Full	4.53	5.04	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.53	5.06	/	Pass
	836.5	Outer_Full	4.54	5.05	/	Pass
	846.5	Outer_Full	4.51	5.05	/	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	9.07	9.91	/	Pass
	836.5	Outer_Full	9.06	9.93	/	Pass
	844	Outer_Full	9.05	9.86	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.05	9.91	/	Pass
	836.5	Outer_Full	9.06	9.91	/	Pass
	844	Outer_Full	9.03	9.94	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	9.09	9.97	/	Pass
	836.5	Outer_Full	9.09	9.97	/	Pass
	844	Outer_Full	9.07	9.89	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.06	9.93	/	Pass
	836.5	Outer_Full	9.07	9.94	/	Pass
	844	Outer_Full	9.03	9.92	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.39	10.22	/	Pass
	836.5	Outer_Full	9.40	10.18	/	Pass
	844	Outer_Full	9.36	10.17	/	Pass

CP-OFDM 16 QAM	829	Outer_Full	9.40	10.16	/	Pass
	836.5	Outer_Full	9.39	10.17	/	Pass
	844	Outer_Full	9.37	10.14	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	9.43	10.21	/	Pass
	836.5	Outer_Full	9.41	10.16	/	Pass
	844	Outer_Full	9.39	10.12	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	9.40	10.13	/	Pass
	836.5	Outer_Full	9.40	10.14	/	Pass
	844	Outer_Full	9.37	10.08	/	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	14.79	/	Pass
	836.5	Outer_Full	13.63	14.84	/	Pass
	841.5	Outer_Full	13.62	14.83	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.64	14.94	/	Pass
	836.5	Outer_Full	13.67	14.94	/	Pass
	841.5	Outer_Full	13.61	14.80	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.63	14.83	/	Pass
	836.5	Outer_Full	13.61	14.84	/	Pass
	841.5	Outer_Full	13.60	14.78	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.61	14.92	/	Pass
	836.5	Outer_Full	13.63	14.88	/	Pass
	841.5	Outer_Full	13.64	14.87	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	14.30	15.38	/	Pass
	836.5	Outer_Full	14.27	15.39	/	Pass
	841.5	Outer_Full	14.25	15.38	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.34	15.44	/	Pass
	836.5	Outer_Full	14.34	15.38	/	Pass
	841.5	Outer_Full	14.30	15.35	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.31	15.41	/	Pass
	836.5	Outer_Full	14.32	15.45	/	Pass
	841.5	Outer_Full	14.28	15.38	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	14.28	15.36	/	Pass
	836.5	Outer_Full	14.31	15.38	/	Pass
	841.5	Outer_Full	14.28	15.37	/	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	18.16	19.59	/	Pass
	836.5	Outer_Full	18.13	19.55	/	Pass
	839	Outer_Full	18.13	19.58	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.13	19.53	/	Pass
	836.5	Outer_Full	18.14	19.61	/	Pass
	839	Outer_Full	18.12	19.63	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.17	19.55	/	Pass
	836.5	Outer_Full	18.16	19.60	/	Pass
	839	Outer_Full	18.16	19.66	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.13	19.68	/	Pass
	836.5	Outer_Full	18.11	19.54	/	Pass

CP-OFDM QPSK	839	Outer_Full	18.12	19.68	/	Pass
	834	Outer_Full	19.19	20.55	/	Pass
	836.5	Outer_Full	19.18	20.49	/	Pass
	839	Outer_Full	19.10	20.47	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	19.16	20.54	/	Pass
	836.5	Outer_Full	19.16	20.54	/	Pass
	839	Outer_Full	19.11	20.50	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	19.21	20.51	/	Pass
	836.5	Outer_Full	19.21	20.48	/	Pass
	839	Outer_Full	19.14	20.46	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	19.14	20.48	/	Pass
	836.5	Outer_Full	19.14	20.55	/	Pass
	839	Outer_Full	19.06	20.44	/	Pass

4.1.5 30k_SISO_10MHz_NTNV

5G NR n5 SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	829	Outer_Full	8.78	9.98	/	Pass
	836.5	Outer_Full	8.80	10.00	/	Pass
	844	Outer_Full	8.74	9.97	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	8.81	9.96	/	Pass
	836.5	Outer_Full	8.73	9.96	/	Pass
	844	Outer_Full	8.75	9.96	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	8.75	9.94	/	Pass
	836.5	Outer_Full	8.79	9.91	/	Pass
	844	Outer_Full	8.75	9.93	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	8.70	9.86	/	Pass
	836.5	Outer_Full	8.70	9.90	/	Pass
	844	Outer_Full	8.70	9.88	/	Pass
CP-OFDM QPSK	829	Outer_Full	8.81	9.98	/	Pass
	836.5	Outer_Full	8.79	9.96	/	Pass
	844	Outer_Full	8.79	9.99	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	8.80	10.00	/	Pass
	836.5	Outer_Full	8.74	9.94	/	Pass
	844	Outer_Full	8.78	9.95	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	8.79	10.01	/	Pass
	836.5	Outer_Full	8.74	9.91	/	Pass
	844	Outer_Full	8.75	9.95	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	8.78	9.93	/	Pass
	836.5	Outer_Full	8.79	9.88	/	Pass
	844	Outer_Full	8.75	9.90	/	Pass

4.1.6 30k_SISO_15MHz_NTNV

5G NR n5 SCS=30kHz 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	13.17	14.87	/	Pass
	836.5	Outer_Full	13.28	14.93	/	Pass
	841.5	Outer_Full	13.14	14.73	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.09	14.68	/	Pass
	836.5	Outer_Full	13.12	14.89	/	Pass
	841.5	Outer_Full	13.09	14.88	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.20	14.76	/	Pass

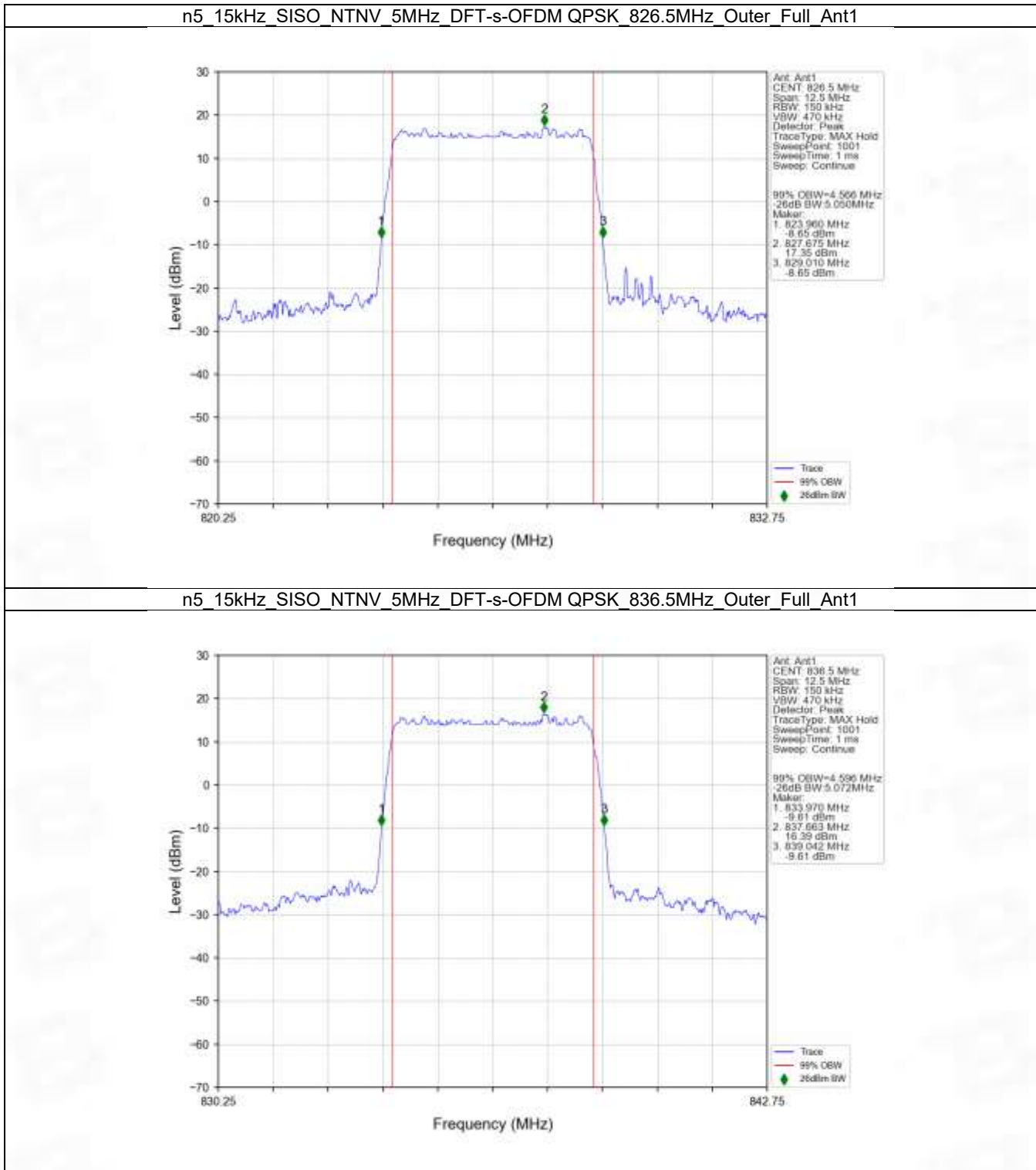
DFT-s-OFDM 256 QAM	836.5	Outer_Full	13.19	14.83	/	Pass
	841.5	Outer_Full	13.25	14.87	/	Pass
	831.5	Outer_Full	13.08	14.61	/	Pass
	836.5	Outer_Full	13.08	14.71	/	Pass
	841.5	Outer_Full	13.08	14.71	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	13.79	15.26	/	Pass
	836.5	Outer_Full	13.79	15.25	/	Pass
	841.5	Outer_Full	13.75	15.24	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	13.87	15.21	/	Pass
	836.5	Outer_Full	13.80	15.28	/	Pass
	841.5	Outer_Full	13.81	15.17	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	13.85	15.29	/	Pass
	836.5	Outer_Full	13.85	15.29	/	Pass
	841.5	Outer_Full	13.87	15.22	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	13.78	15.13	/	Pass
	836.5	Outer_Full	13.82	15.22	/	Pass
	841.5	Outer_Full	13.82	15.20	/	Pass

4.1.7 30k_SISO_20MHz_NTNV

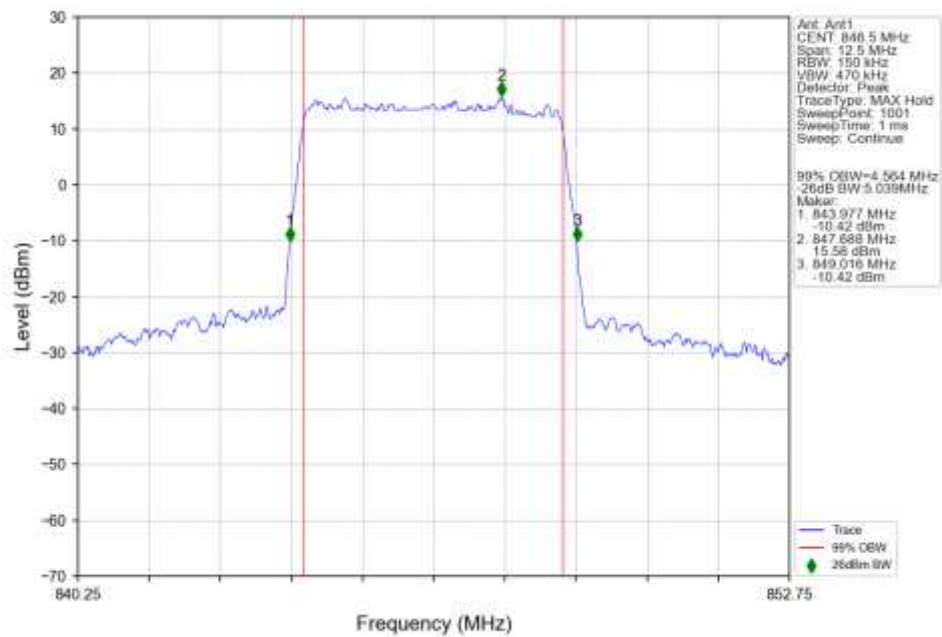
5G NR n5 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	834	Outer_Full	18.17	19.80	/	Pass
	836.5	Outer_Full	18.16	19.91	/	Pass
	839	Outer_Full	18.14	19.79	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.18	19.97	/	Pass
	836.5	Outer_Full	18.16	19.92	/	Pass
	839	Outer_Full	18.10	19.92	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.20	19.86	/	Pass
	836.5	Outer_Full	18.20	19.91	/	Pass
	839	Outer_Full	18.20	19.96	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.10	19.87	/	Pass
	836.5	Outer_Full	18.15	20.02	/	Pass
	839	Outer_Full	18.08	19.93	/	Pass
CP-OFDM QPSK	834	Outer_Full	18.46	20.05	/	Pass
	836.5	Outer_Full	18.46	20.15	/	Pass
	839	Outer_Full	18.41	20.14	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	18.56	20.21	/	Pass
	836.5	Outer_Full	18.53	20.21	/	Pass
	839	Outer_Full	18.50	20.17	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	18.52	20.24	/	Pass
	836.5	Outer_Full	18.53	20.17	/	Pass
	839	Outer_Full	18.48	20.17	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	18.49	20.14	/	Pass
	836.5	Outer_Full	18.48	20.15	/	Pass
	839	Outer_Full	18.46	20.18	/	Pass

4.2 Test Graph

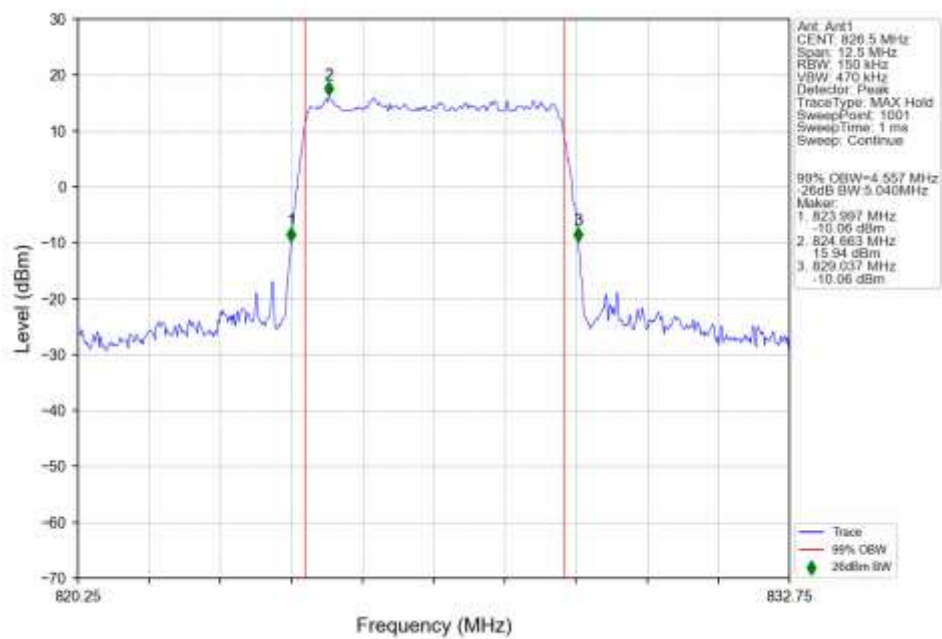
4.2.1 15k_SISO_5MHz_NTNV



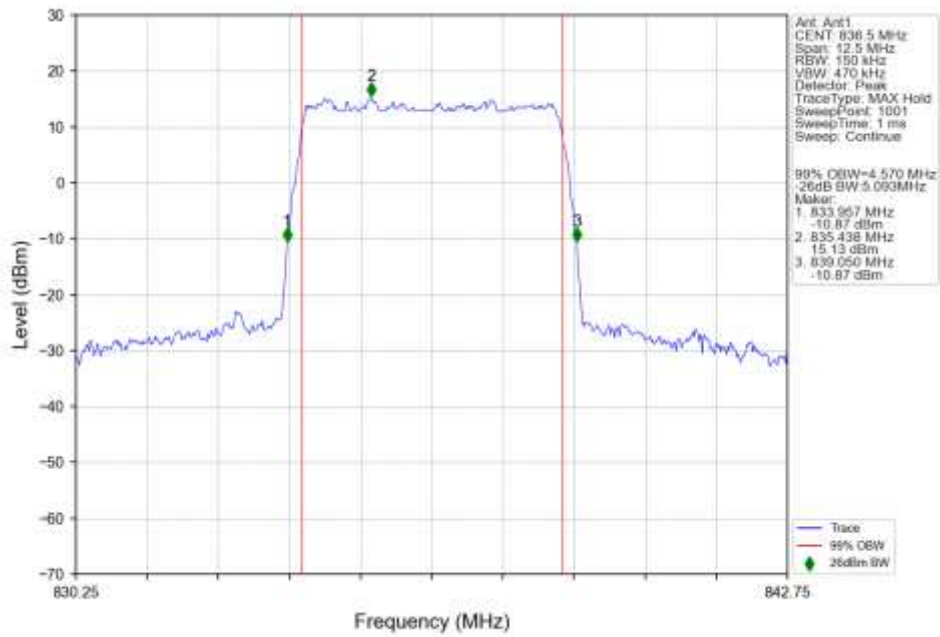
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Outer Full Ant1



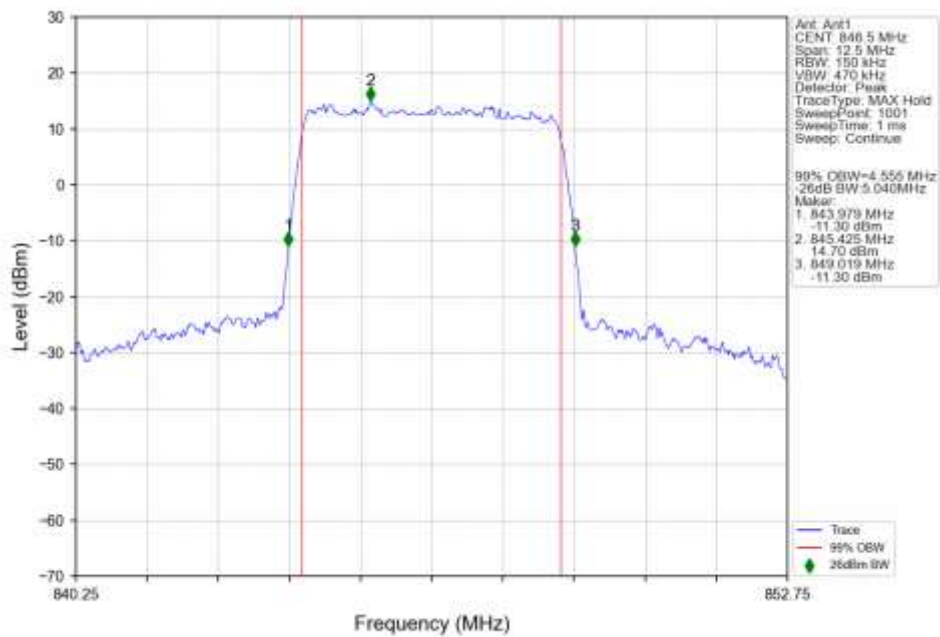
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 826.5MHz Outer Full Ant1



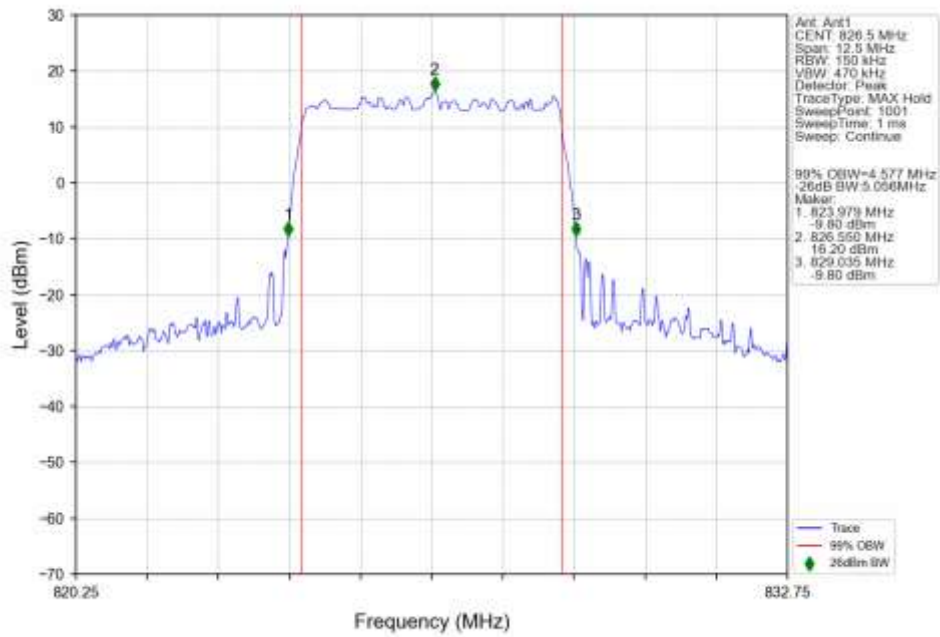
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



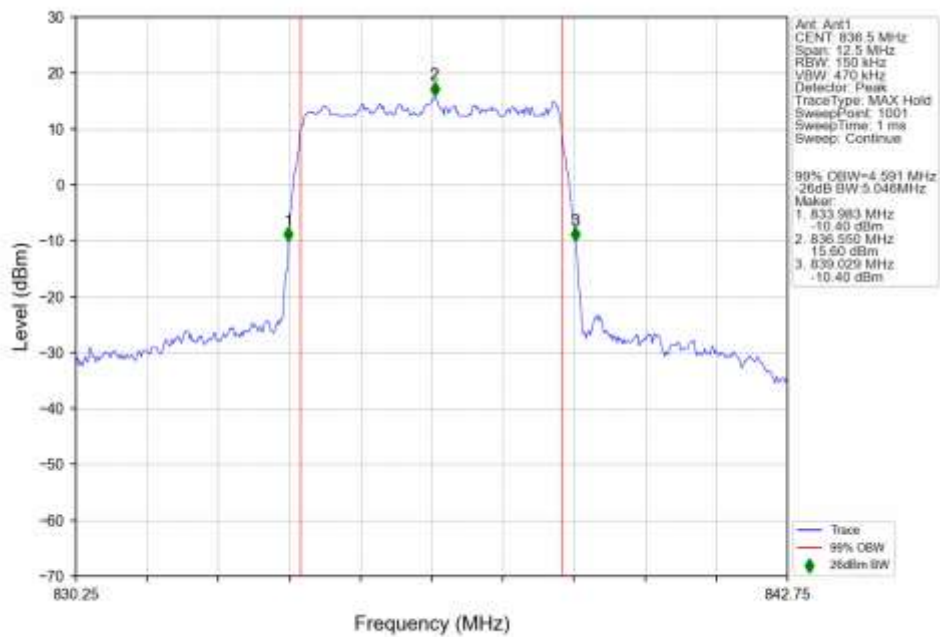
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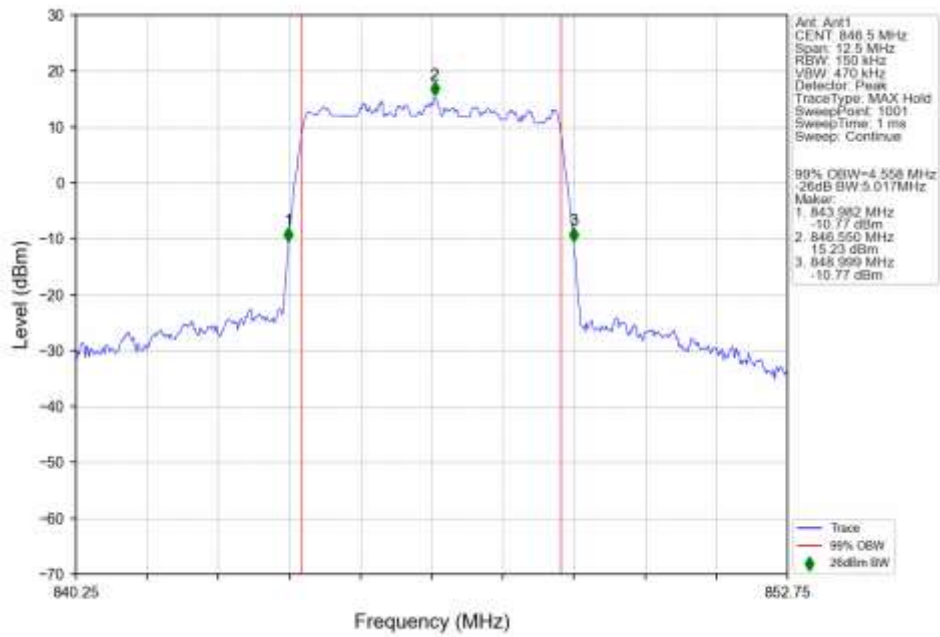
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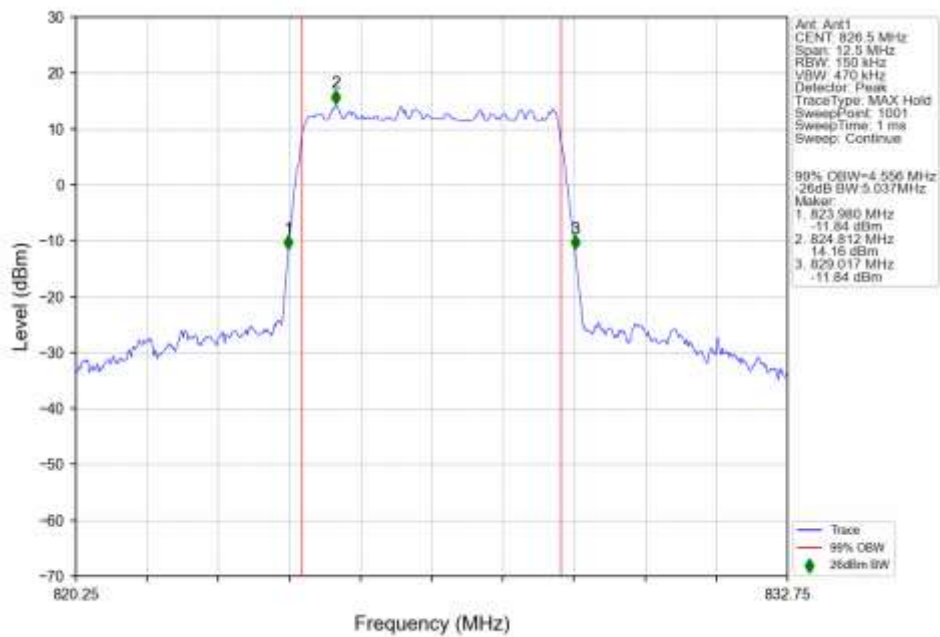
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



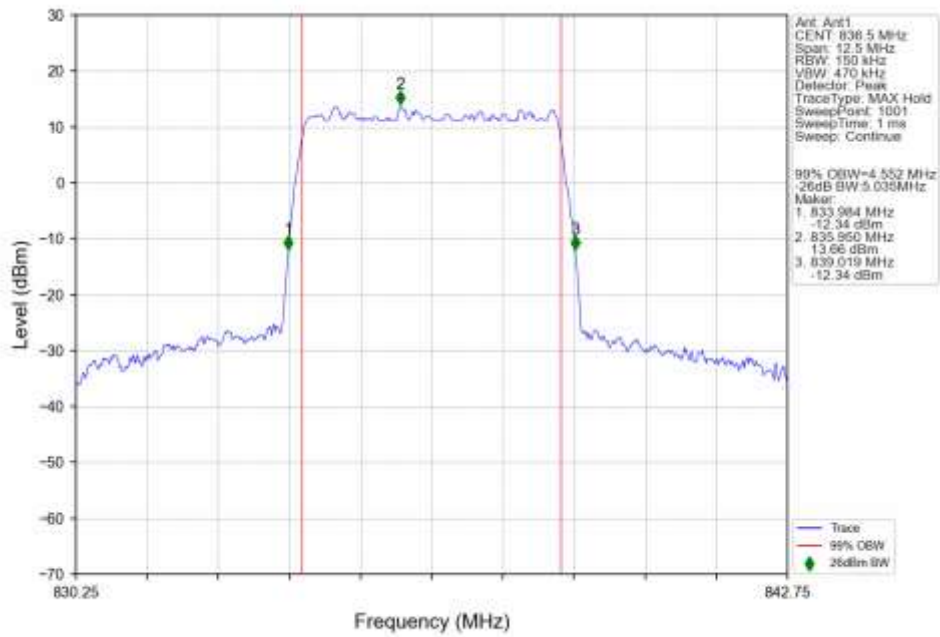
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 846.5MHz Outer Full Ant1



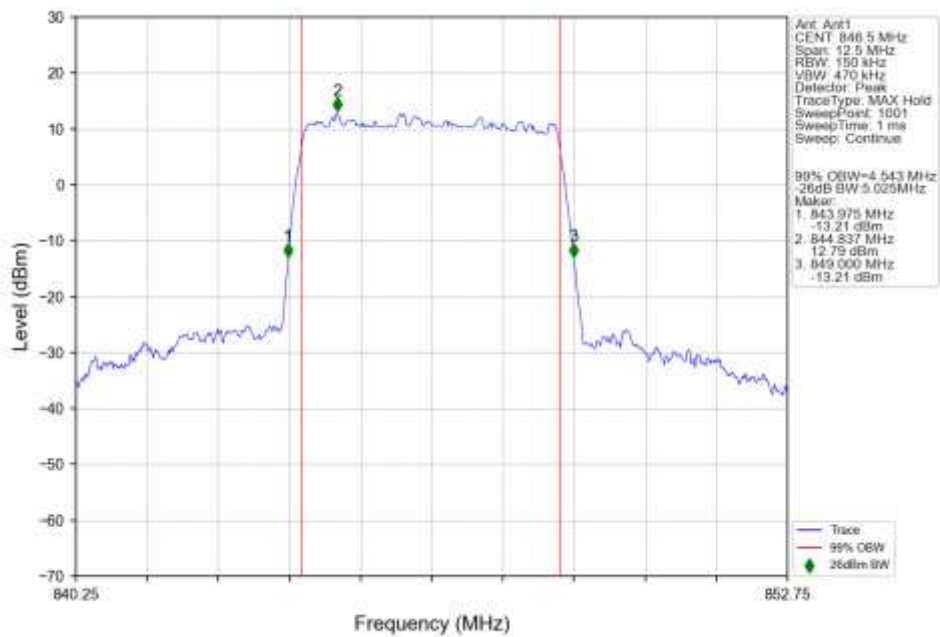
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 826.5MHz Outer Full Ant1



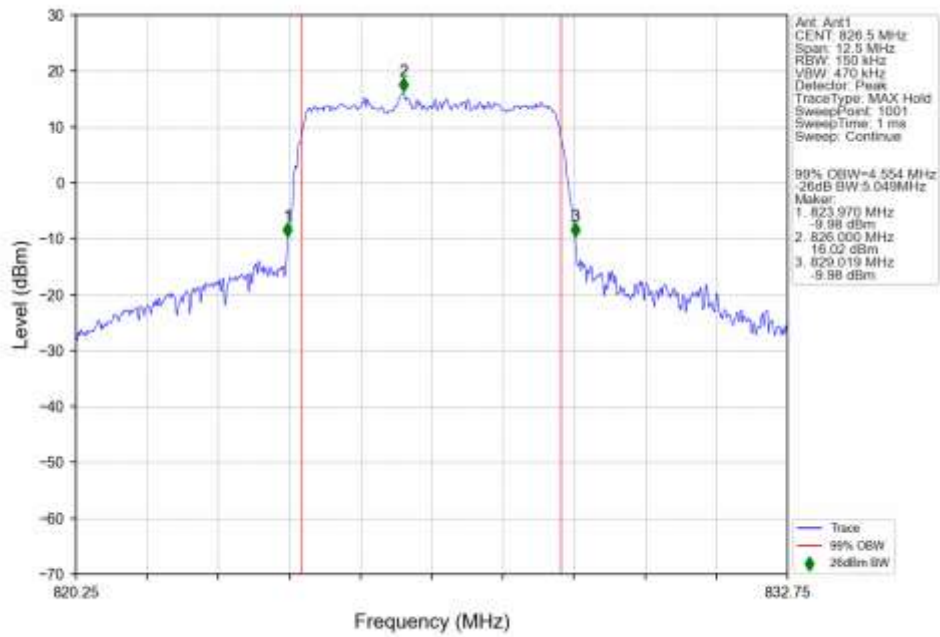
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



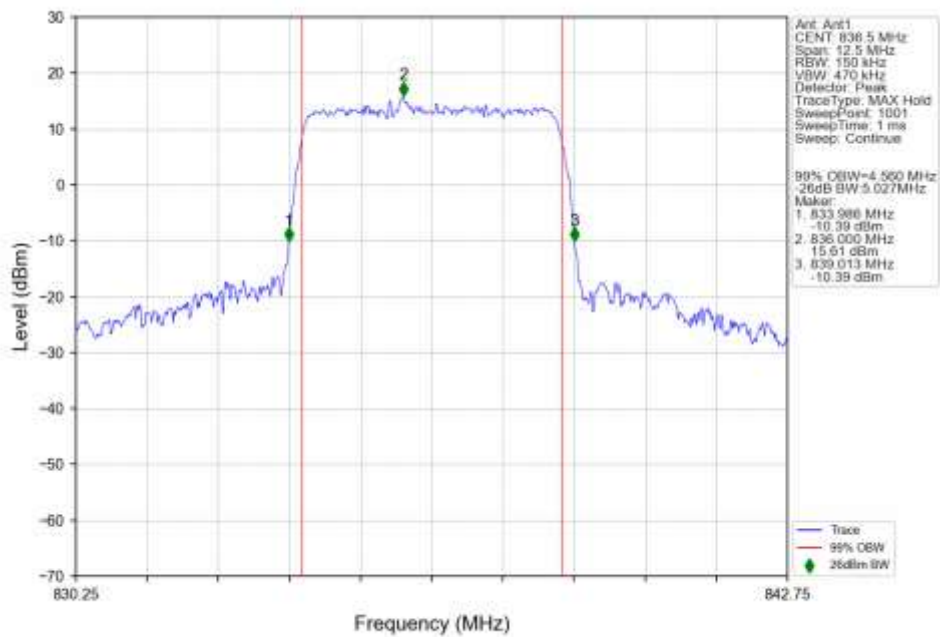
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 846.5MHz Outer Full Ant1



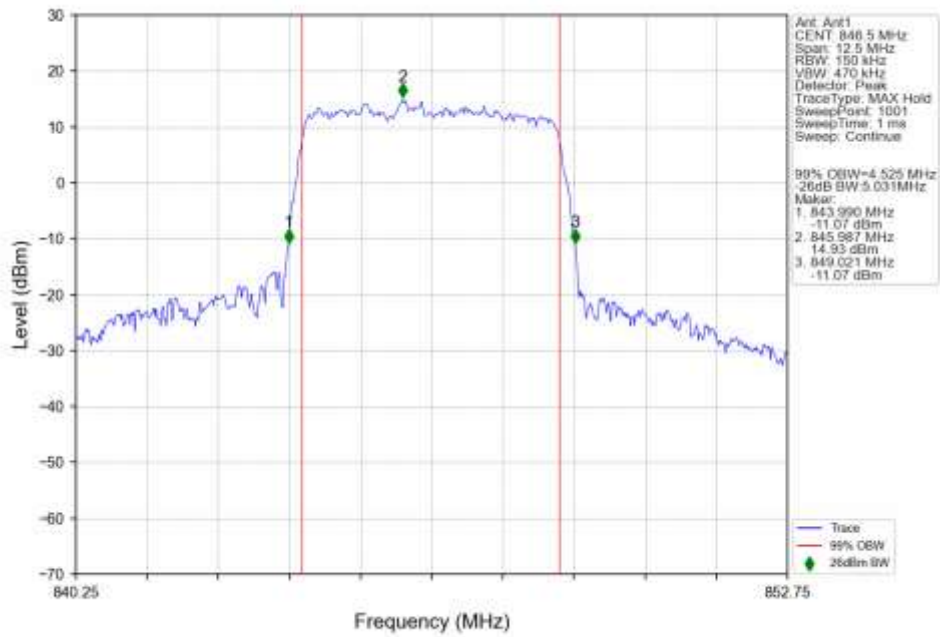
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 826.5MHz Outer Full Ant1



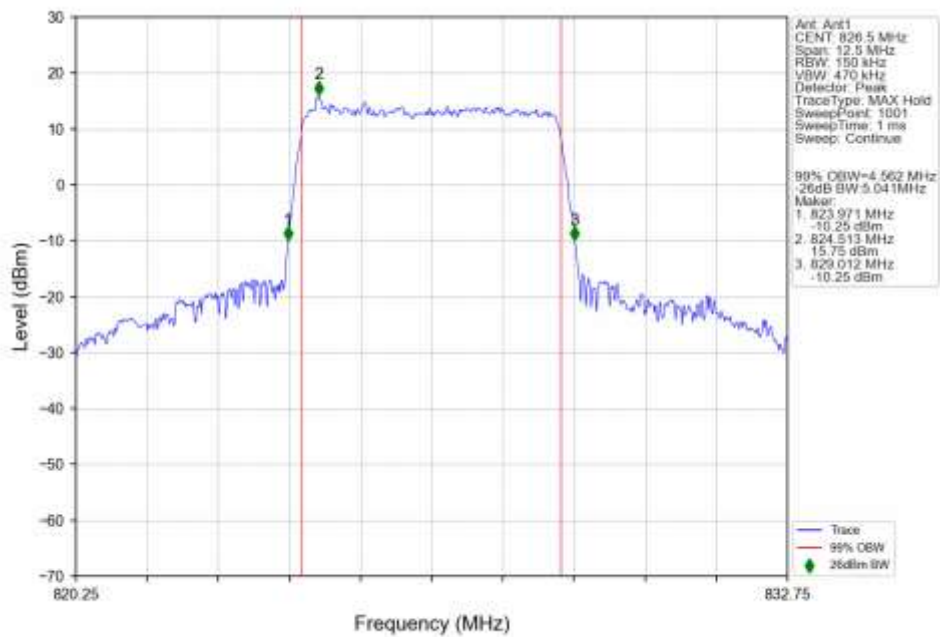
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1



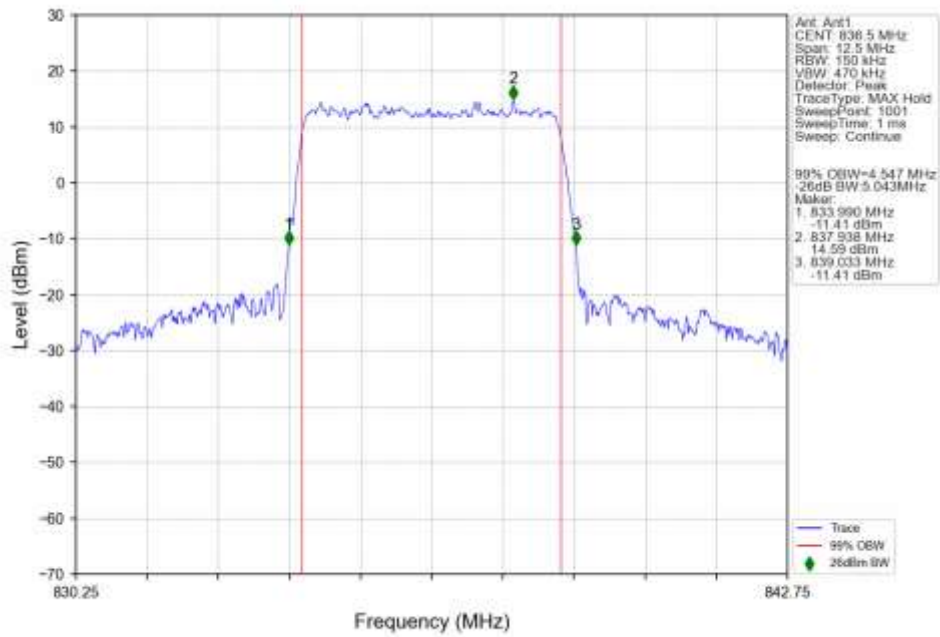
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 846.5MHz Outer Full Ant1



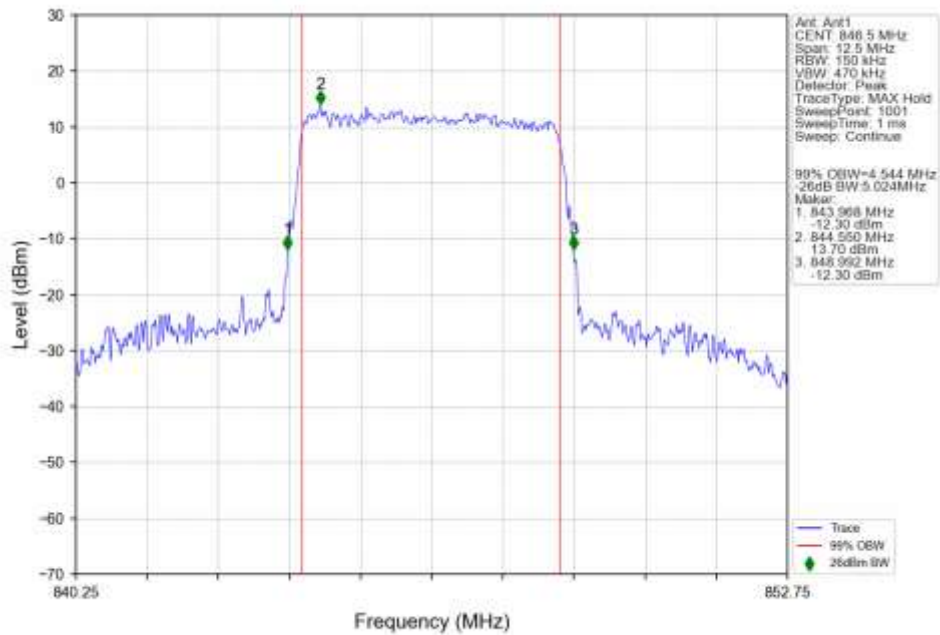
n5 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 826.5MHz Outer Full Ant1



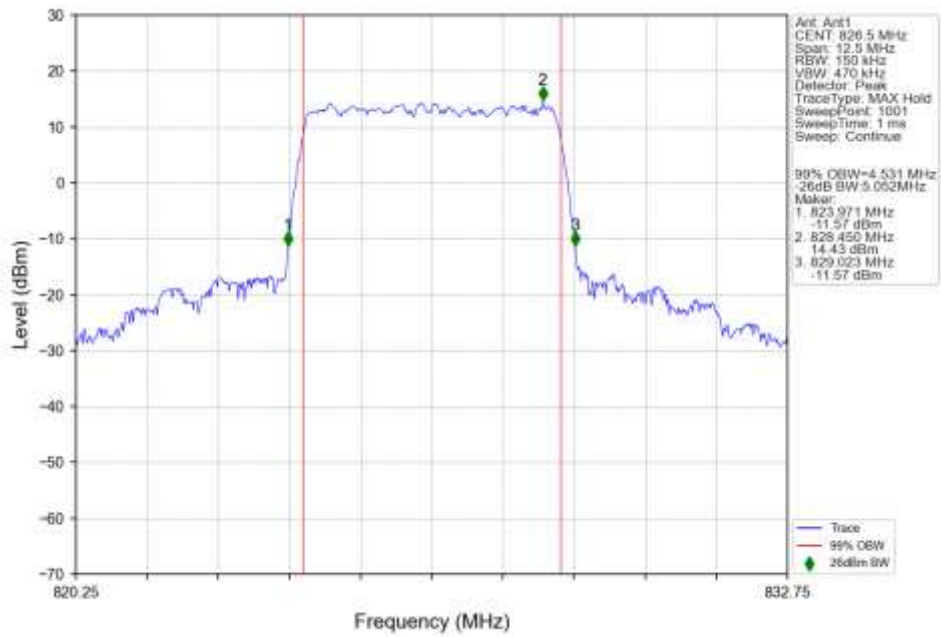
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



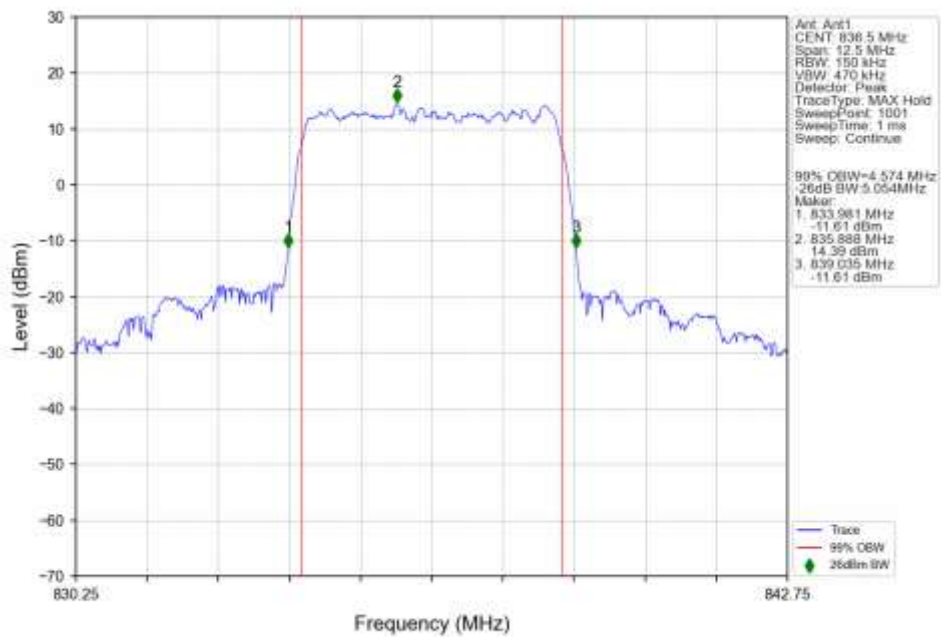
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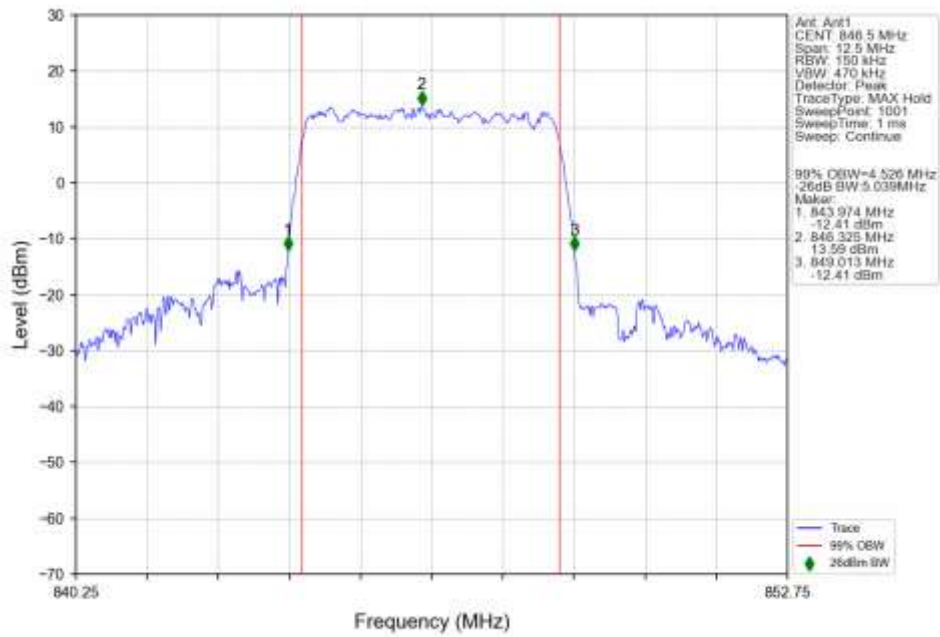
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



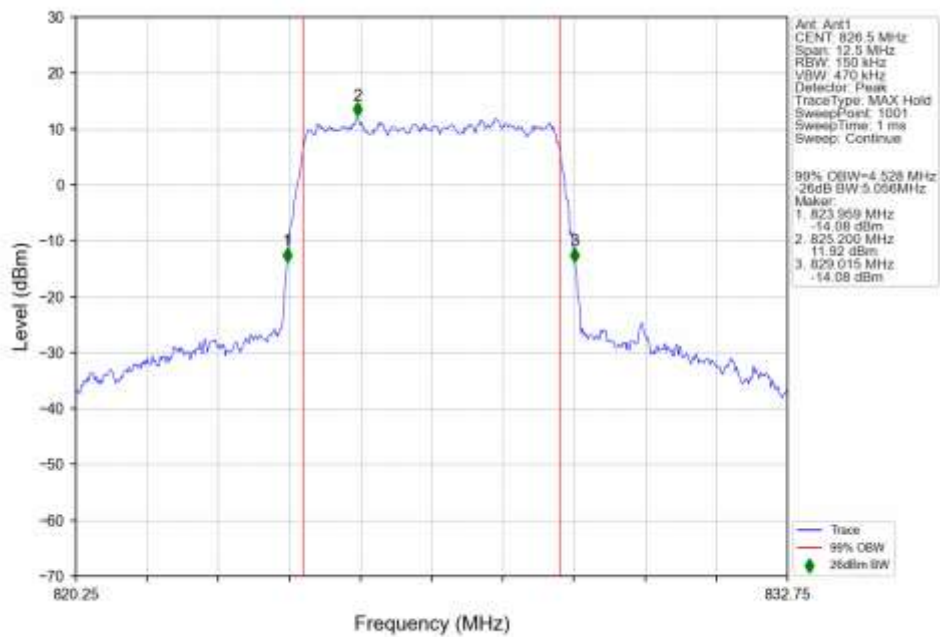
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



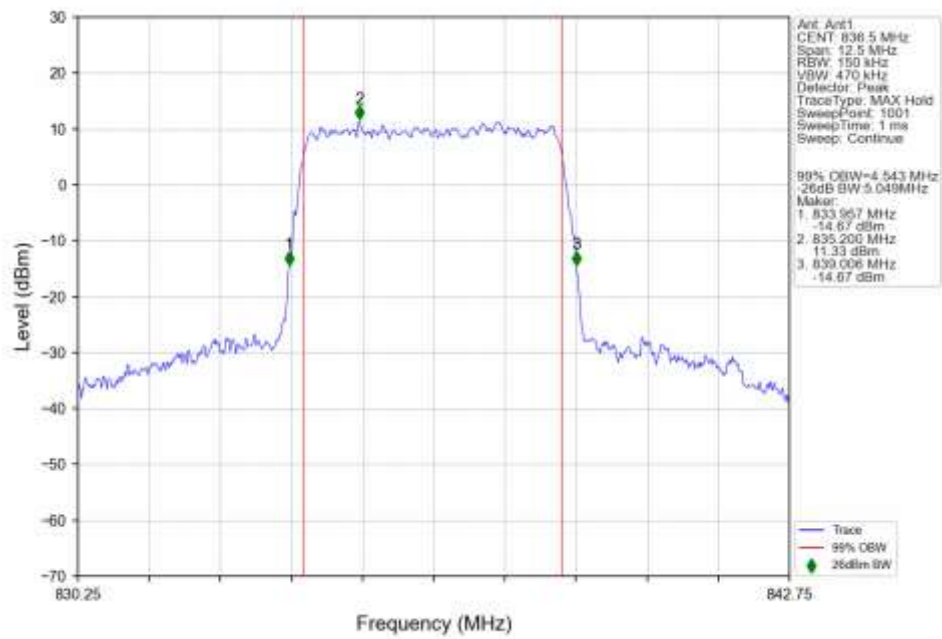
n5 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 846.5MHz Outer Full Ant1



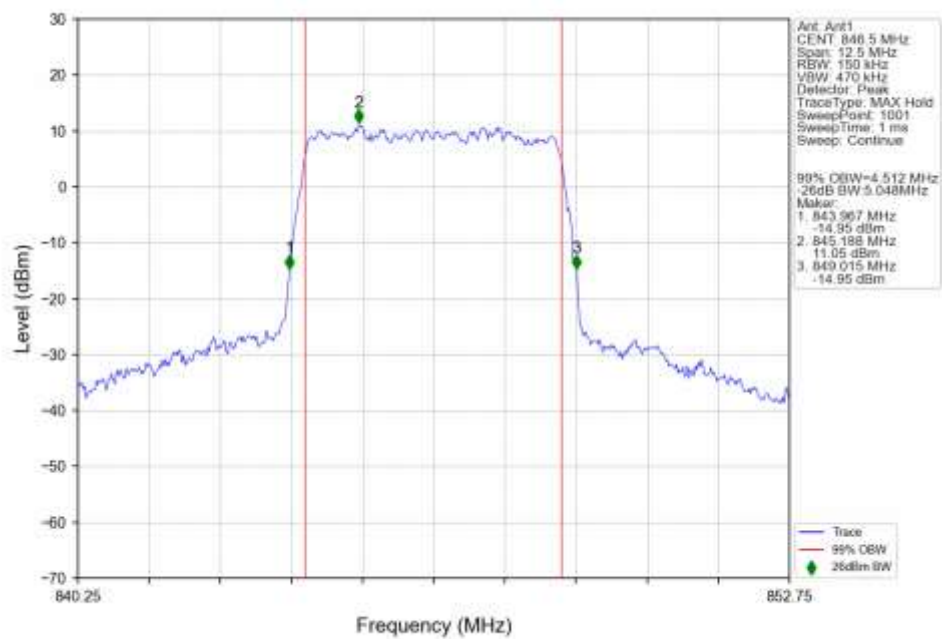
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 826.5MHz Outer Full Ant1



n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant1

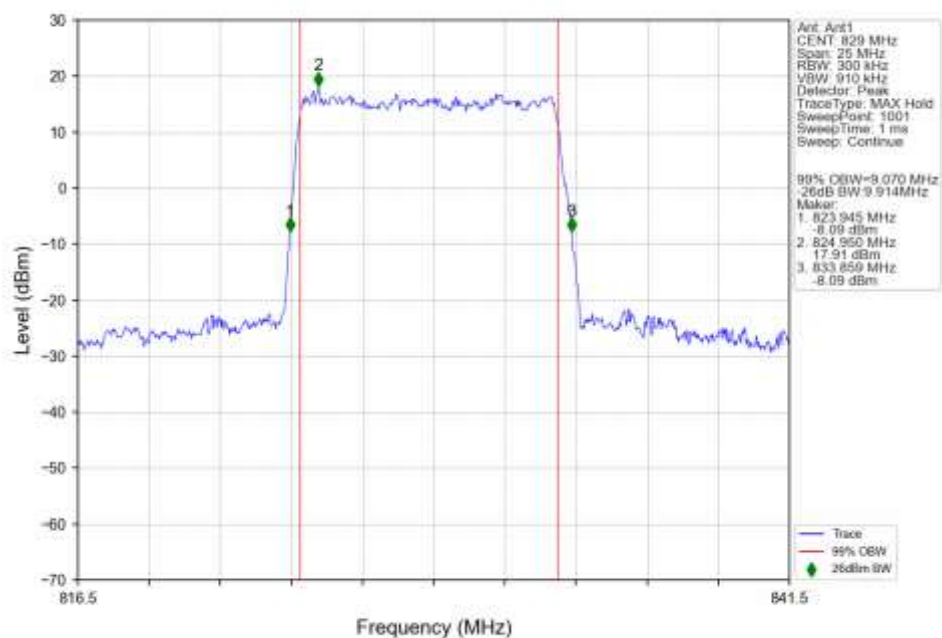


n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 846.5MHz Outer Full Ant1

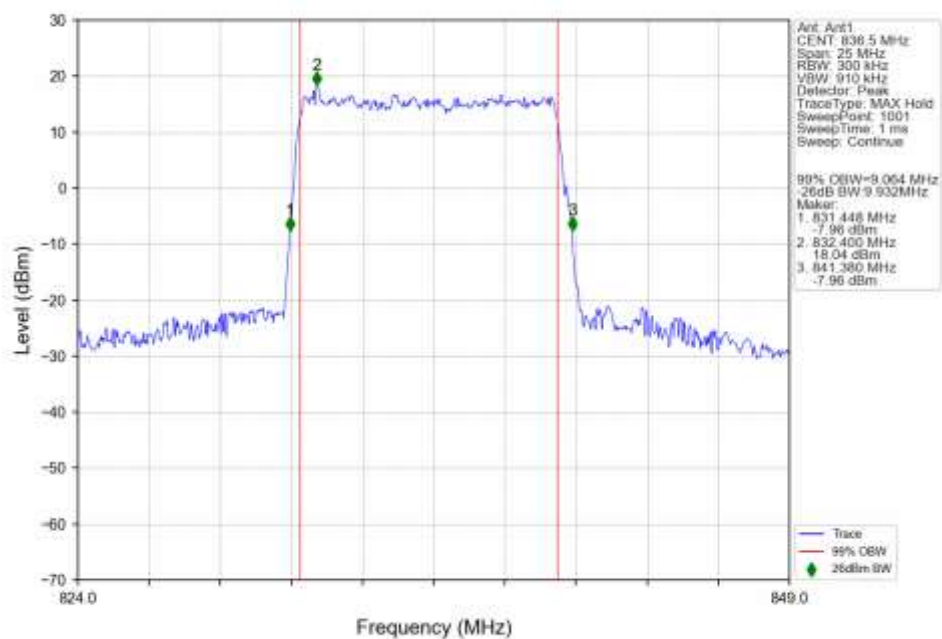


4.2.2 15k_SISO_10MHz_NTNV

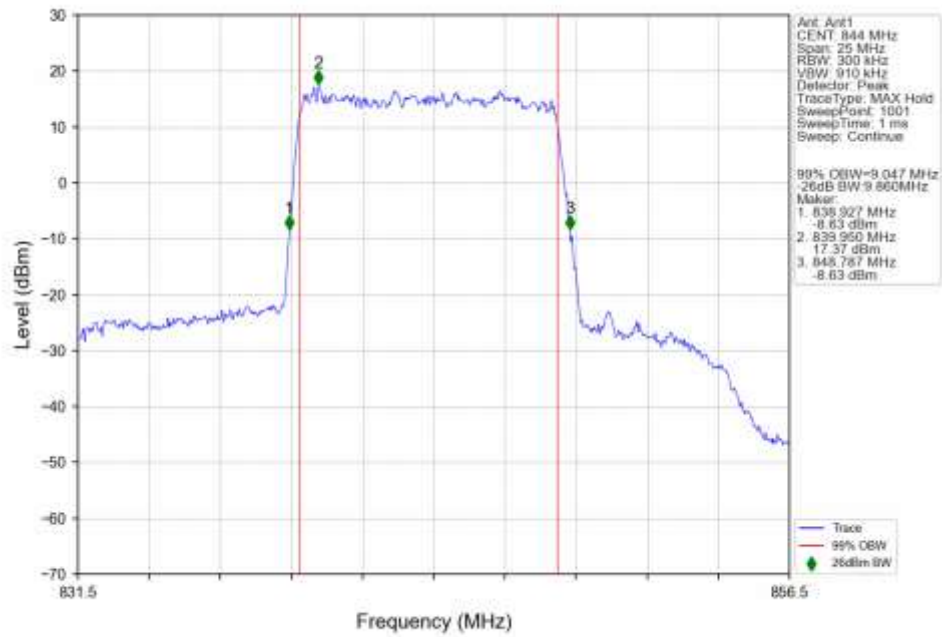
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK 829MHz_Outer_Full_Ant1



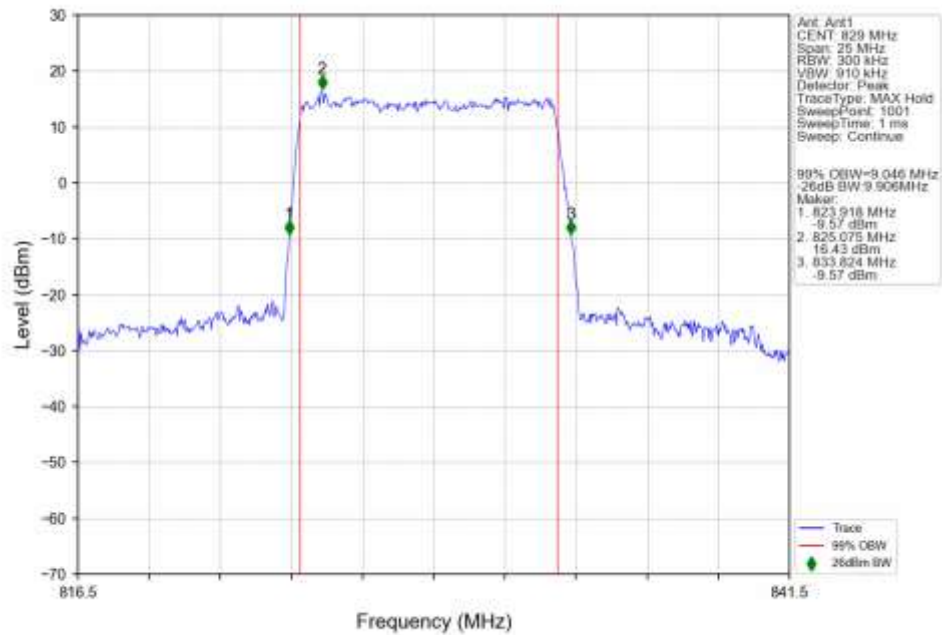
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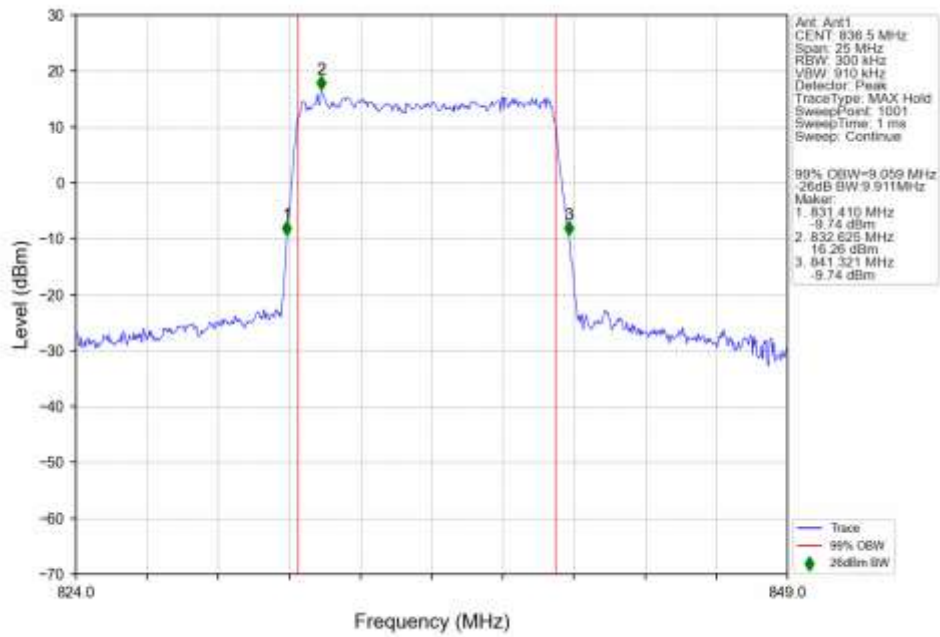
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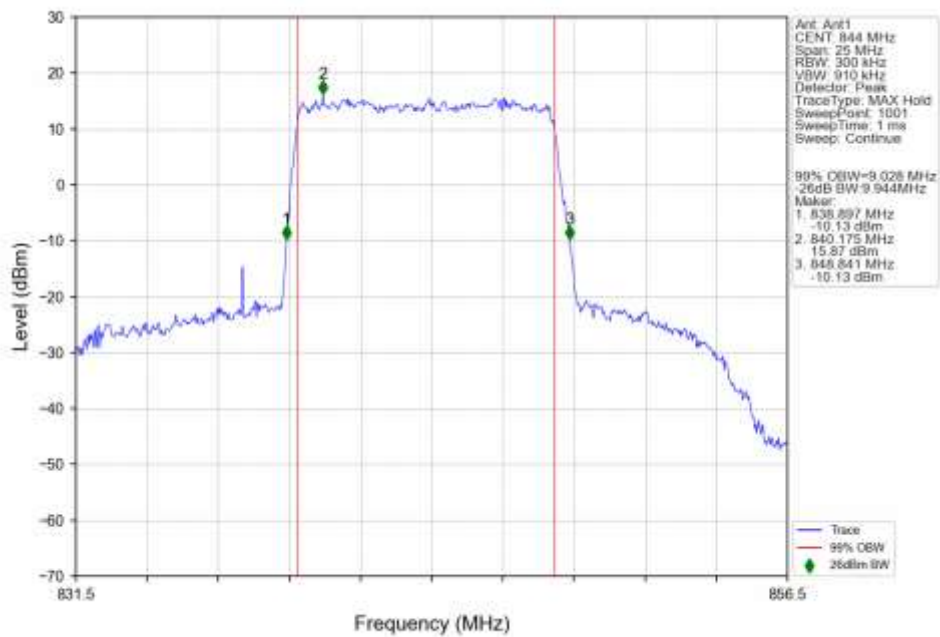
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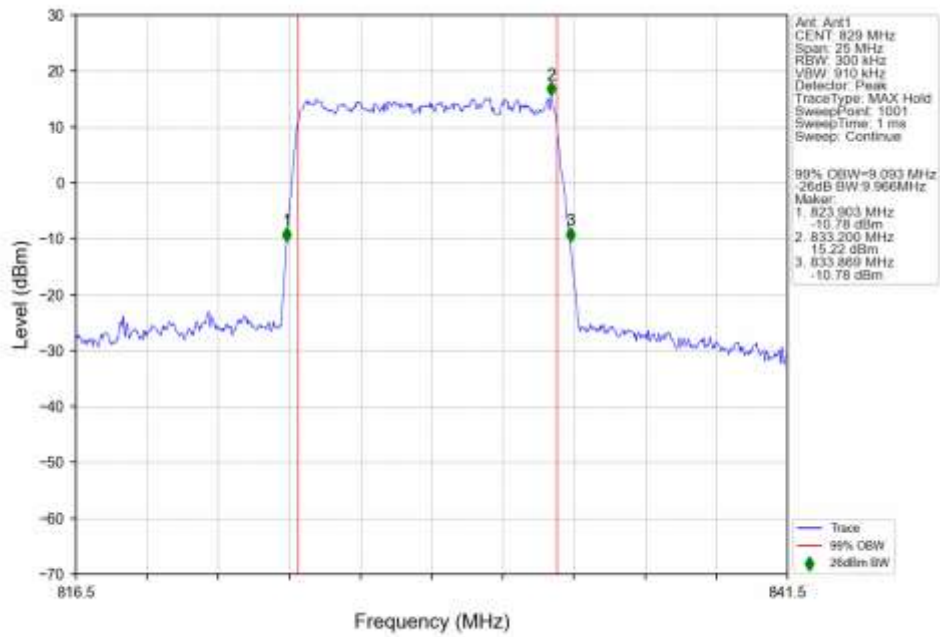
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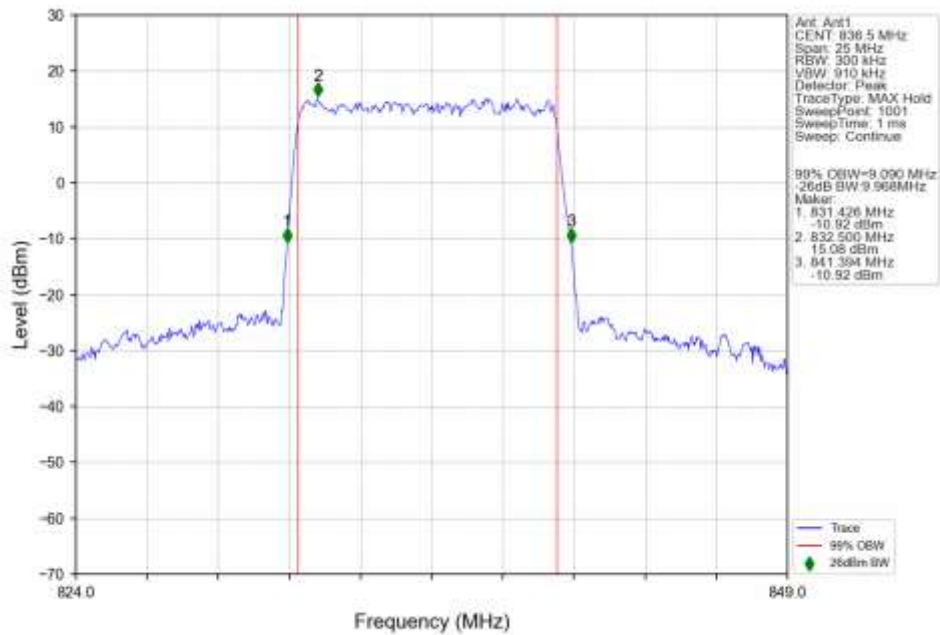
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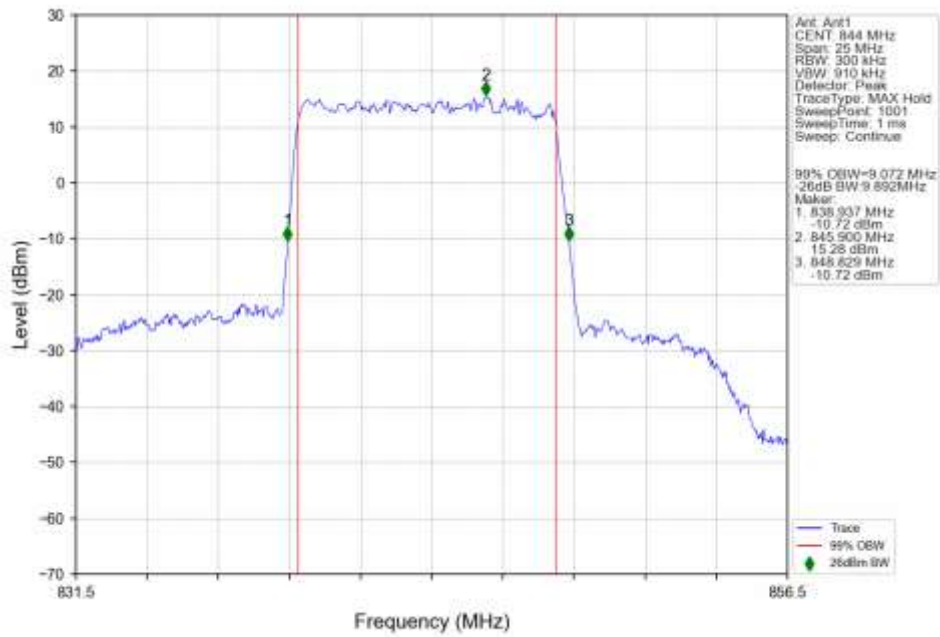
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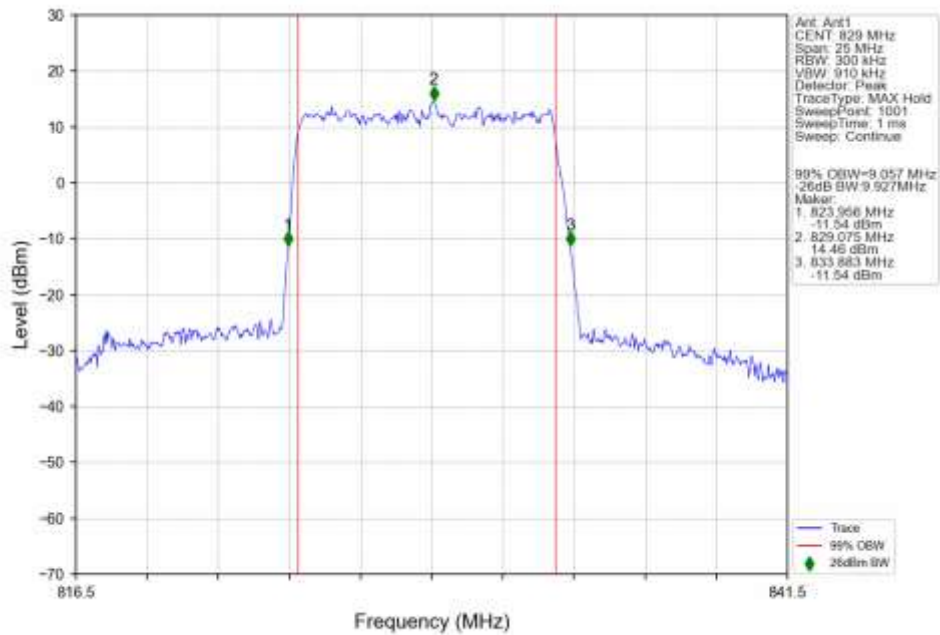
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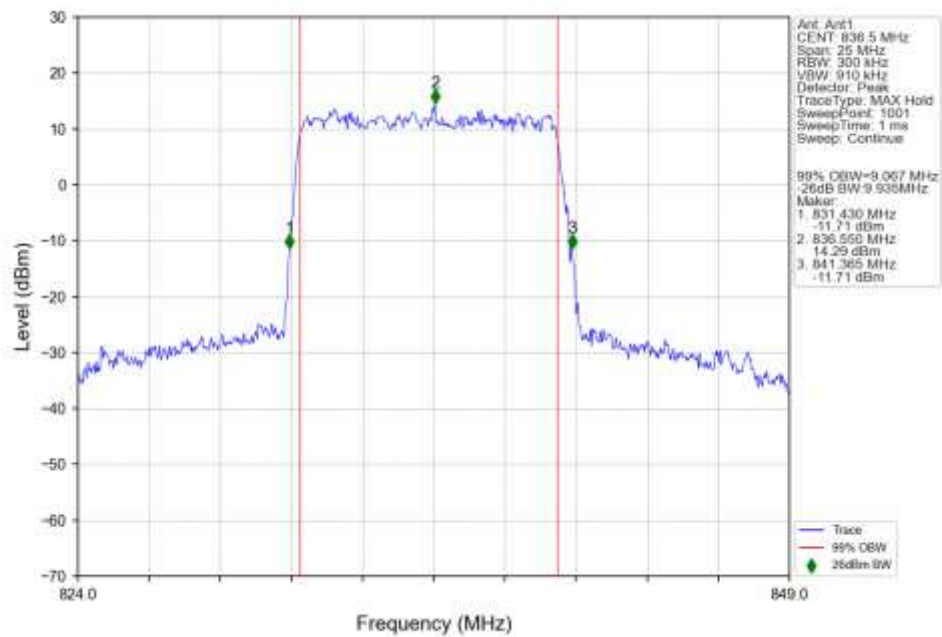
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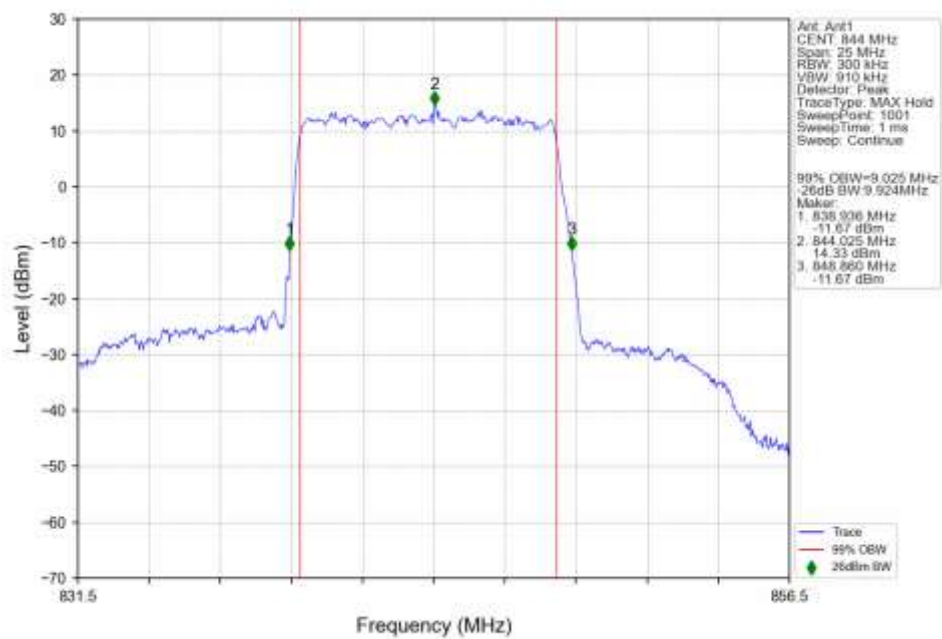
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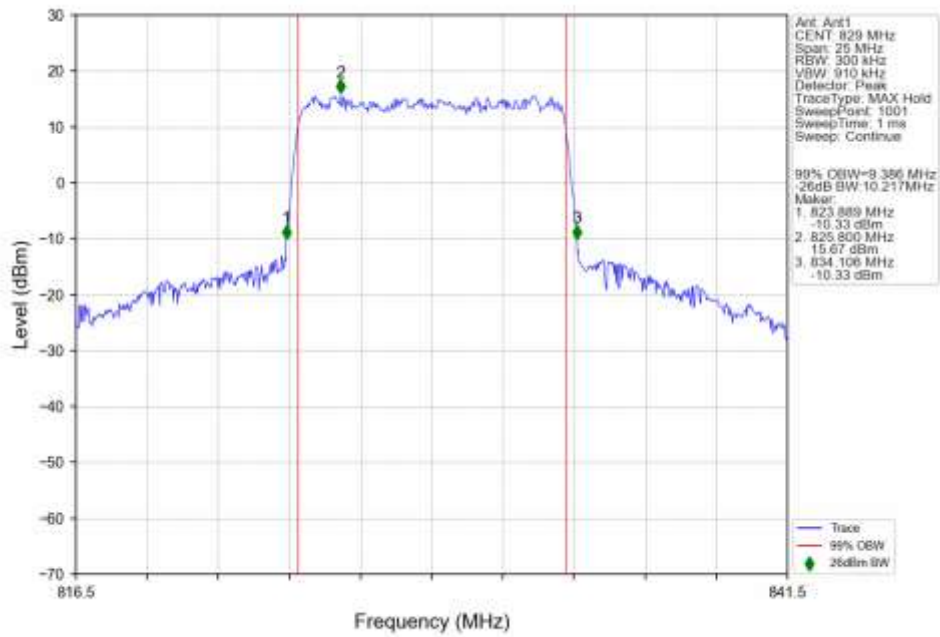
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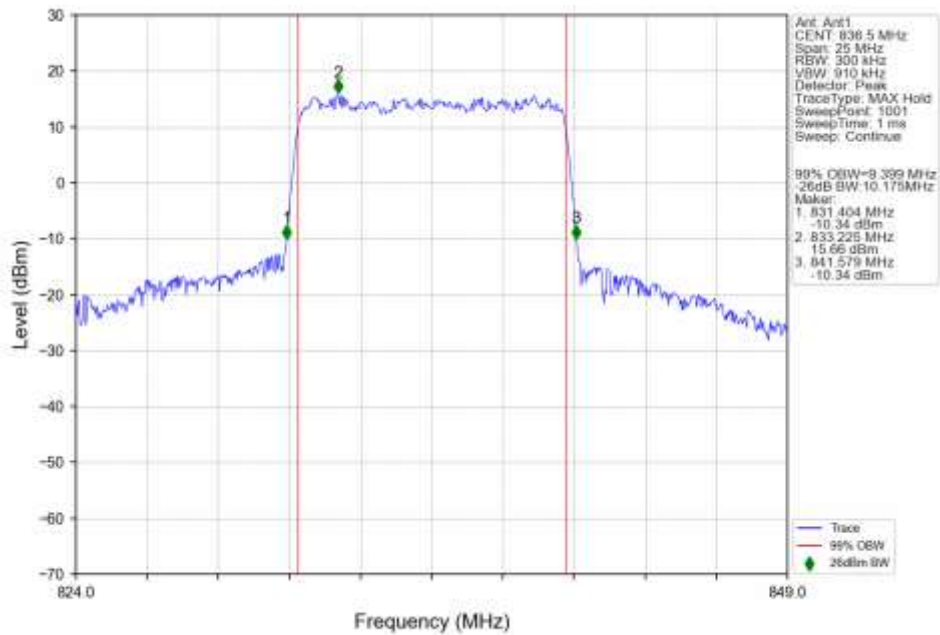
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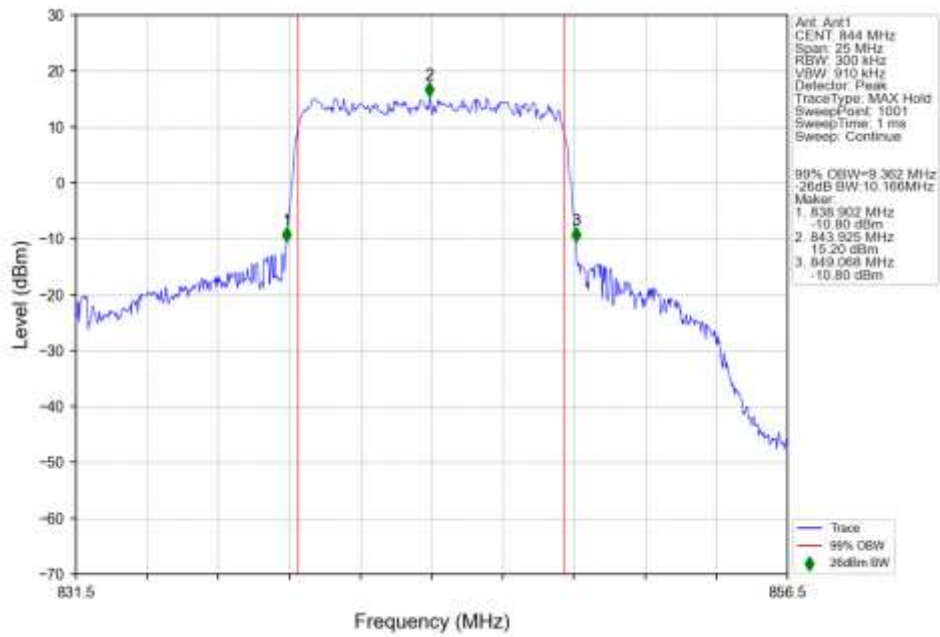
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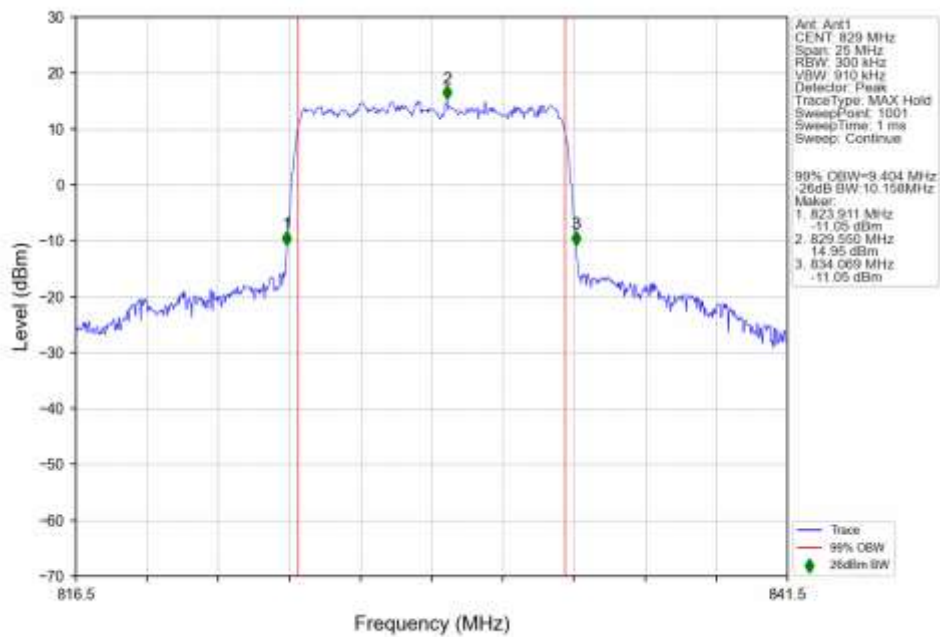
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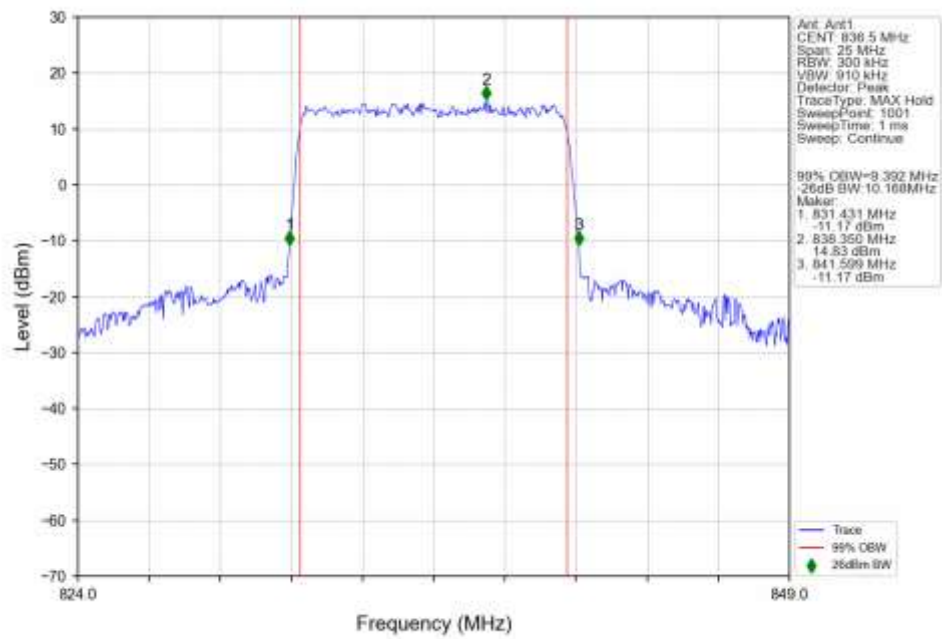
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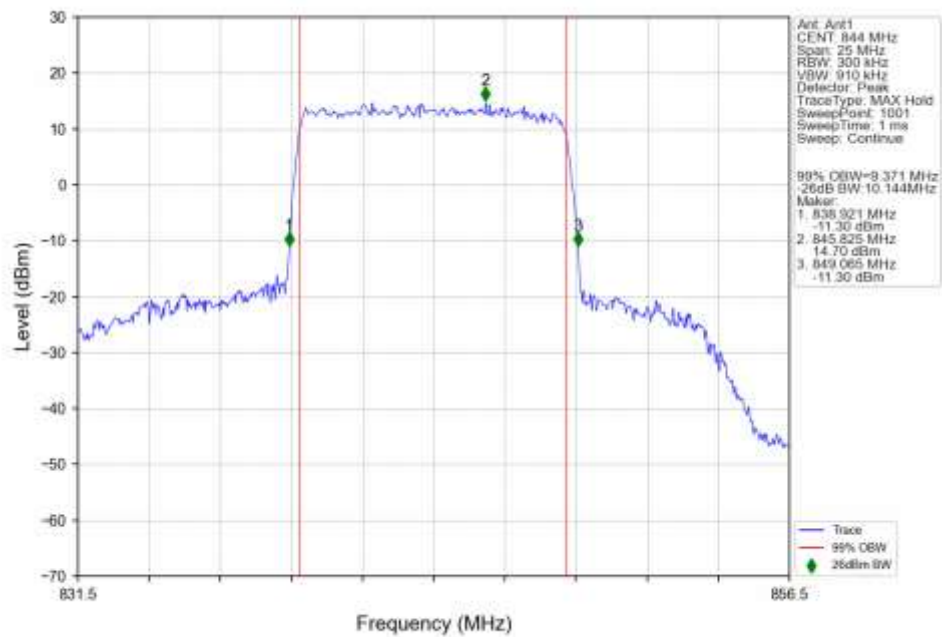
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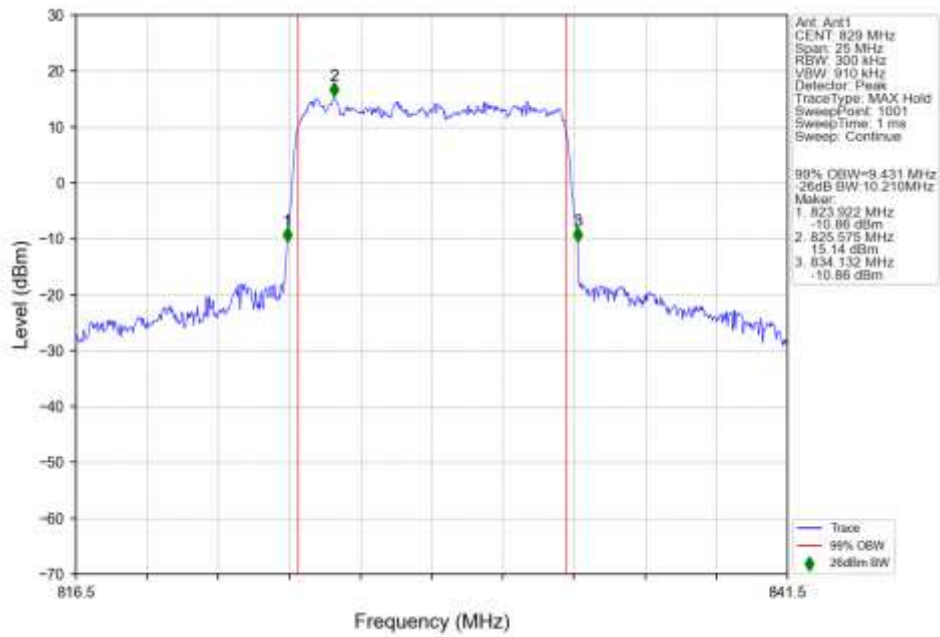
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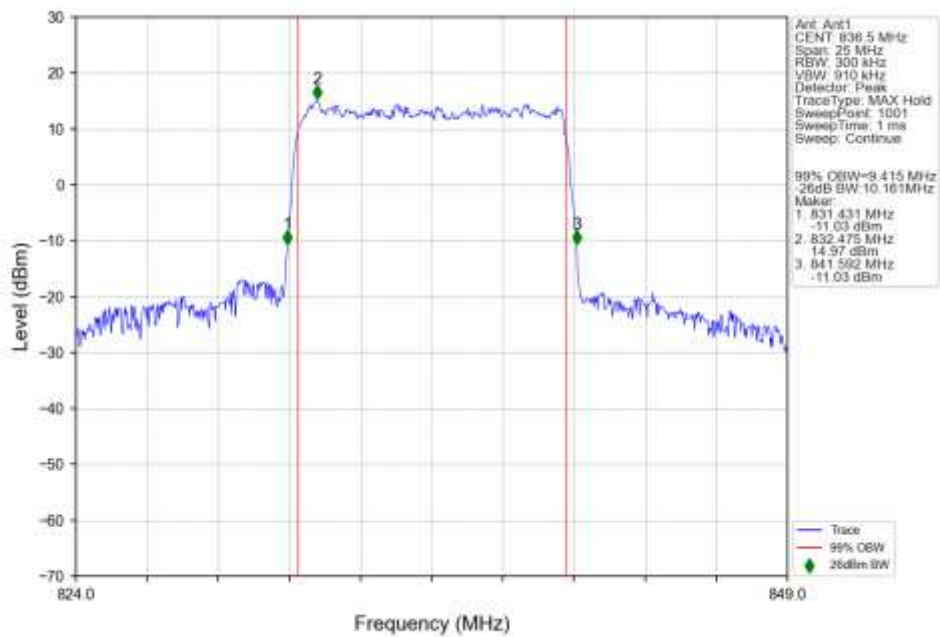
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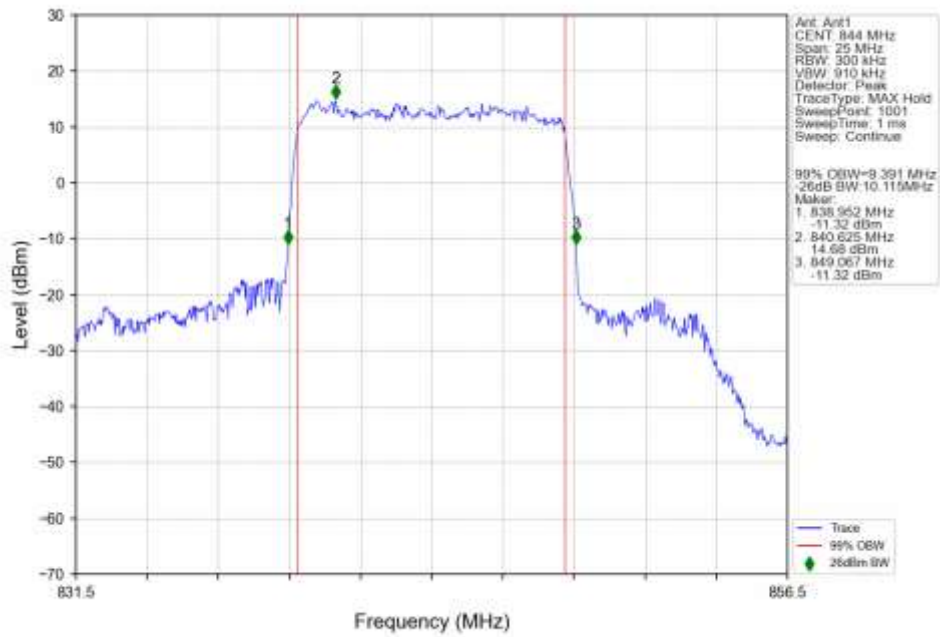
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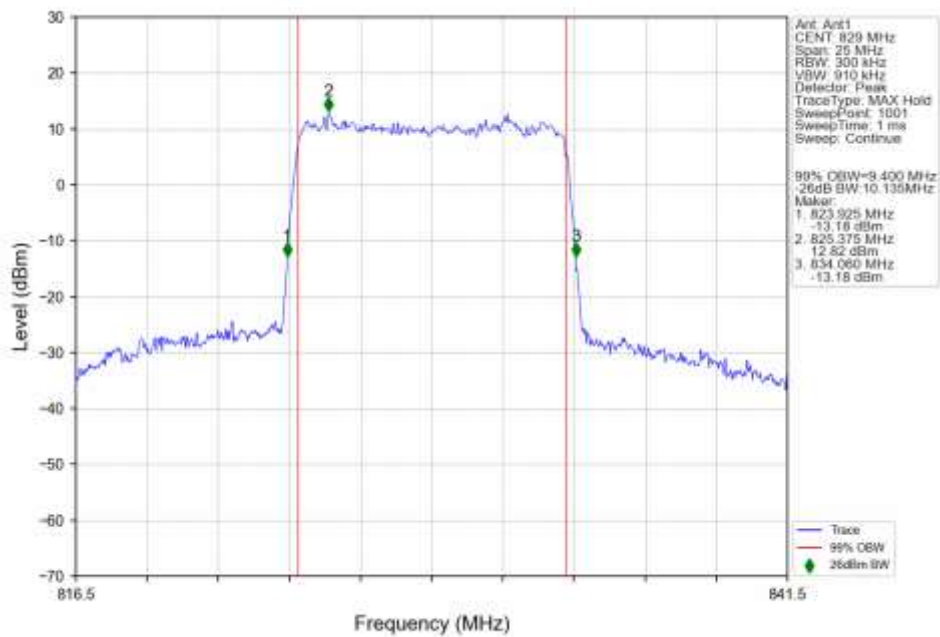
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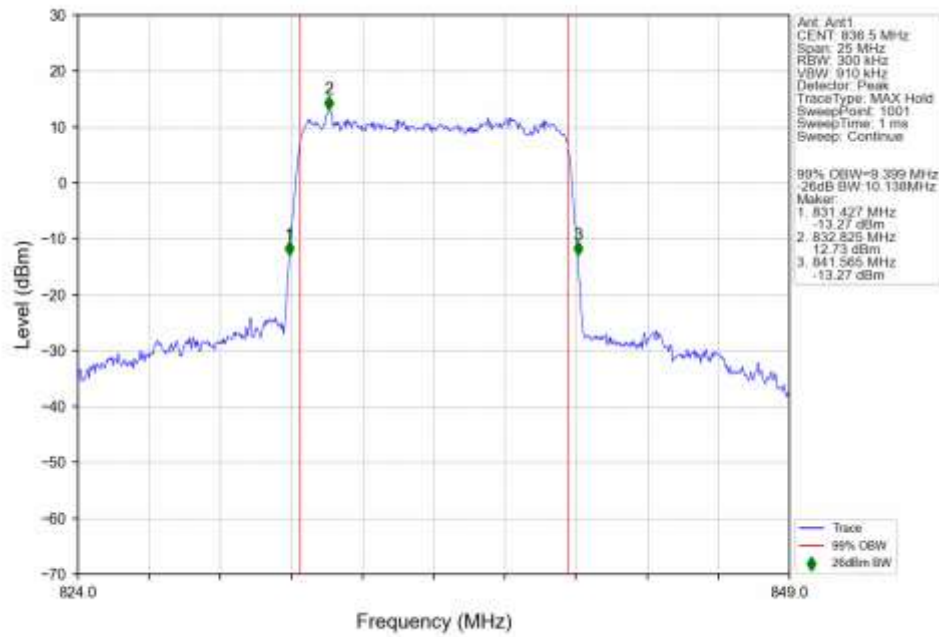
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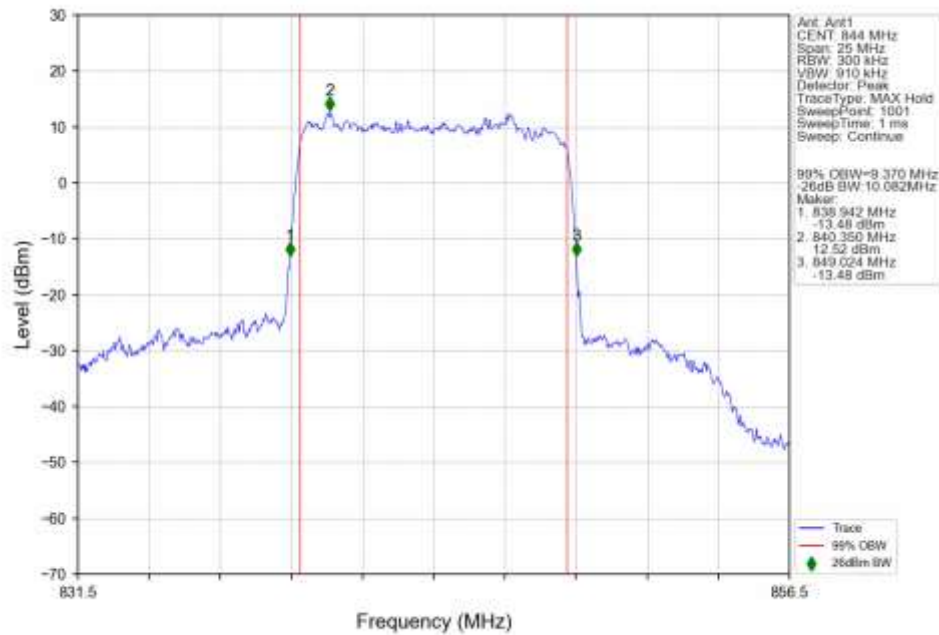
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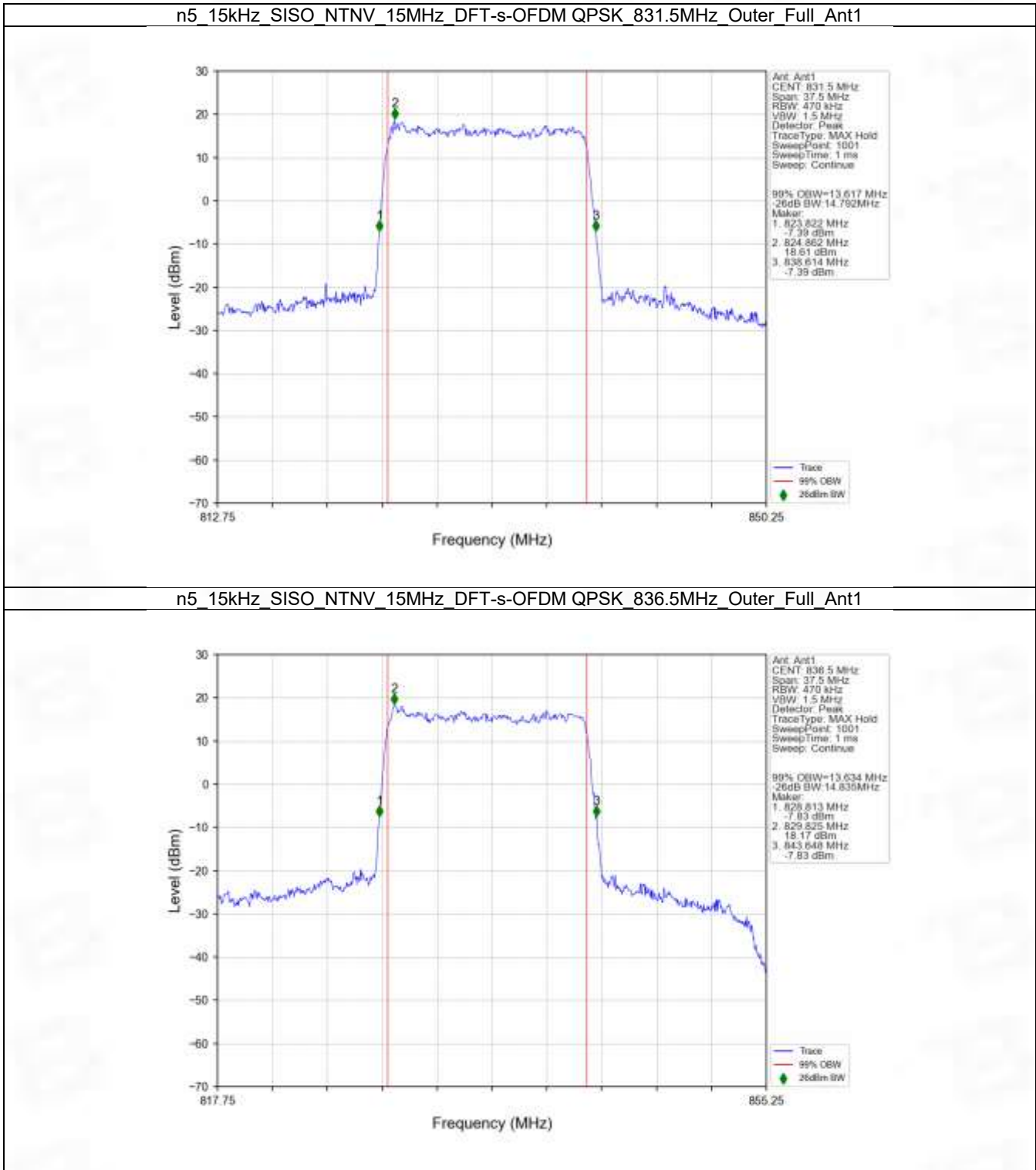
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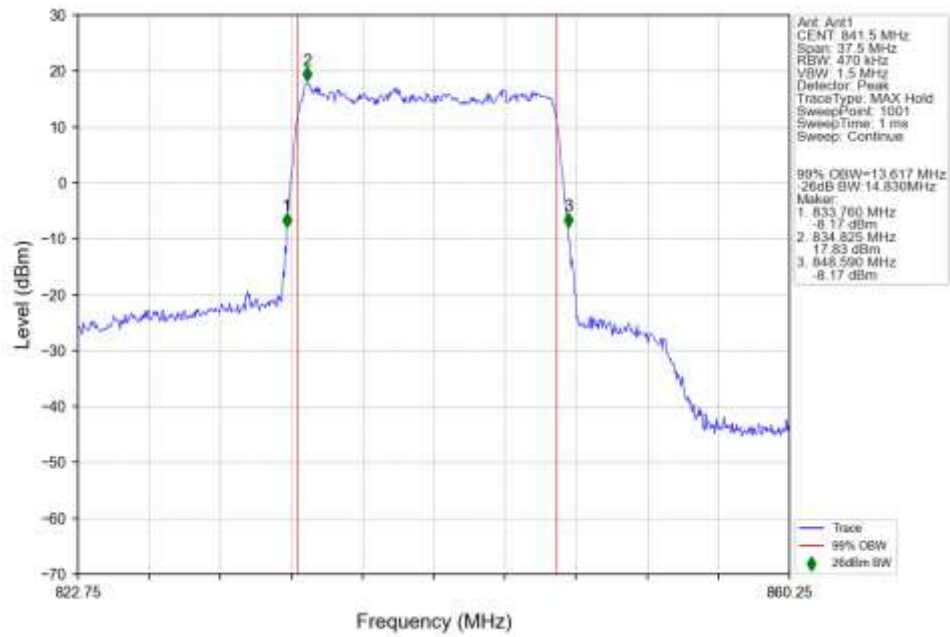
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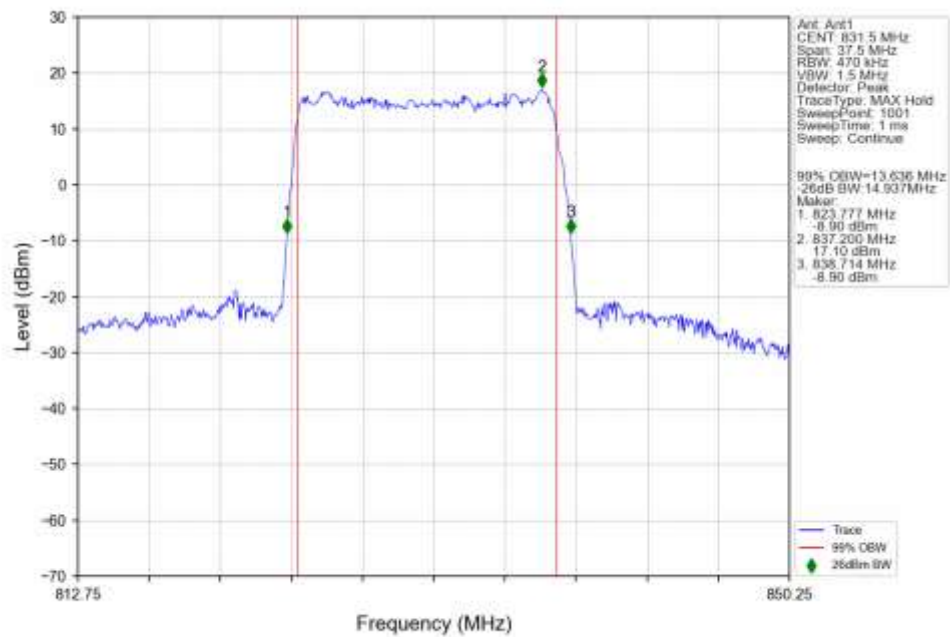
4.2.3 15k_SISO_15MHz_NTNV



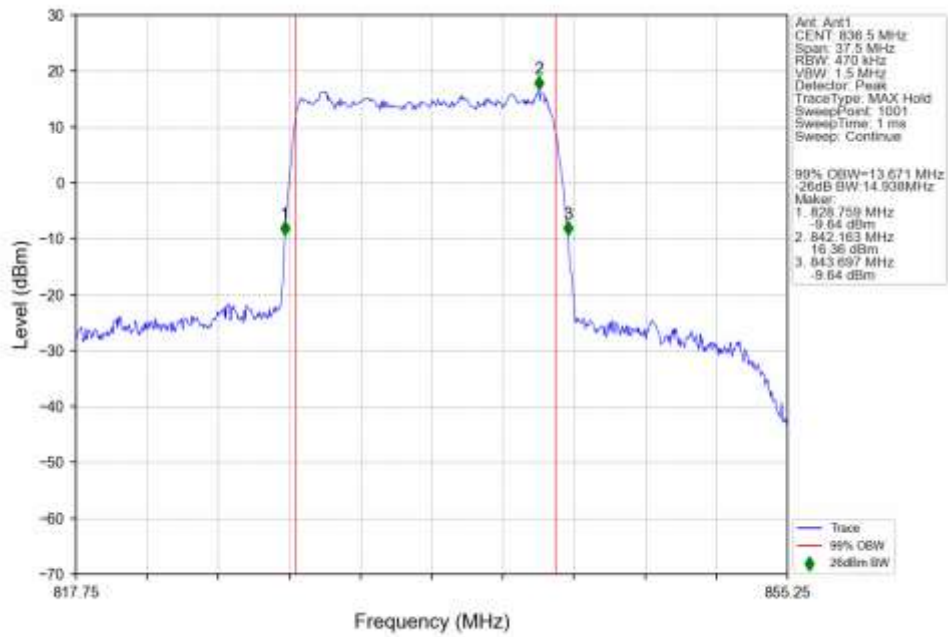
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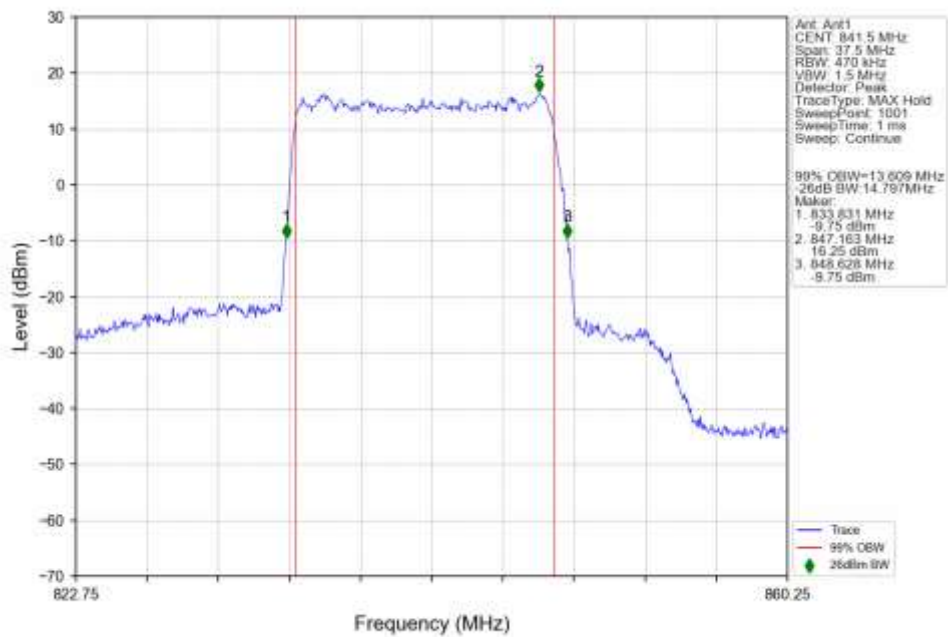
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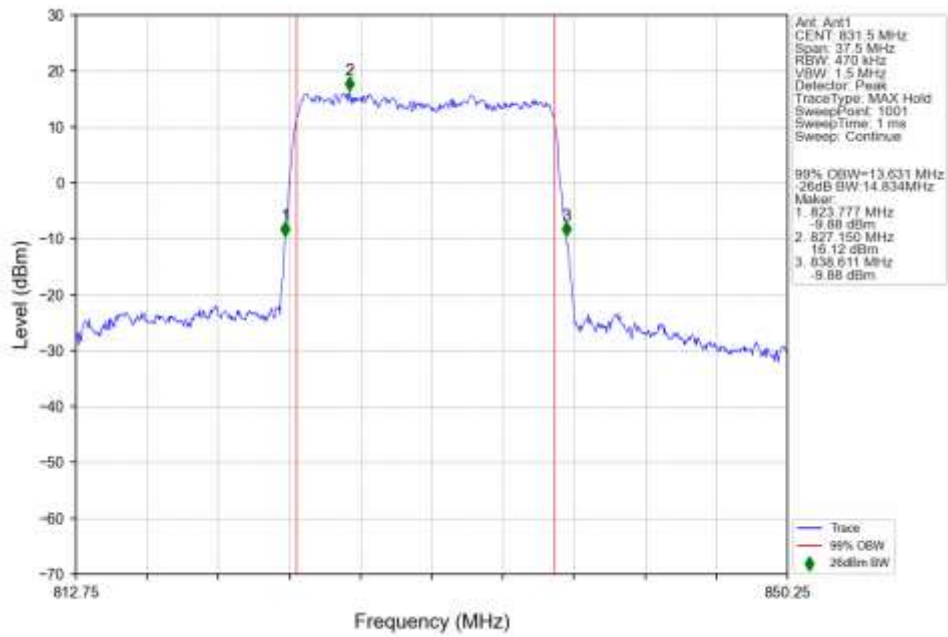
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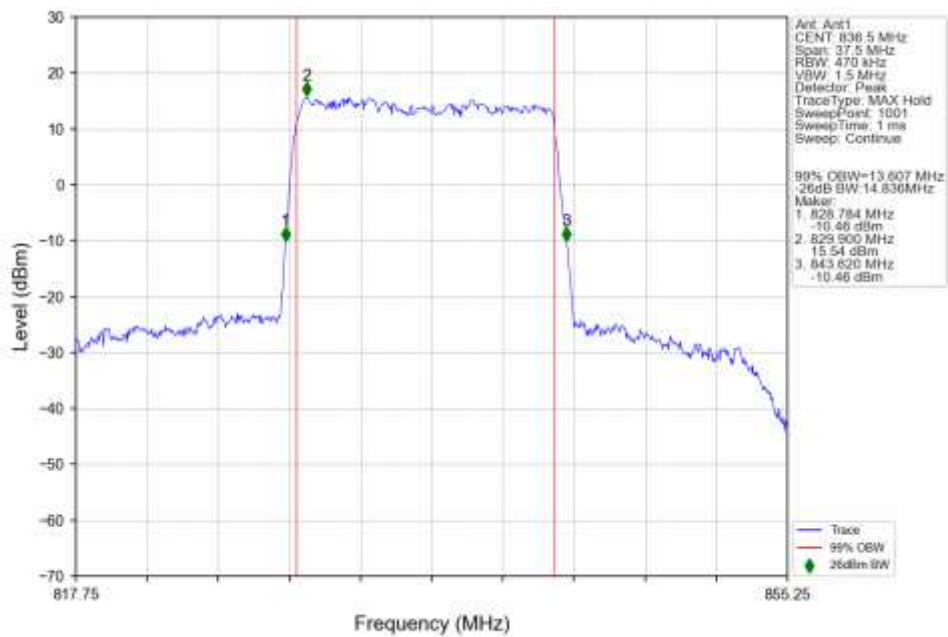
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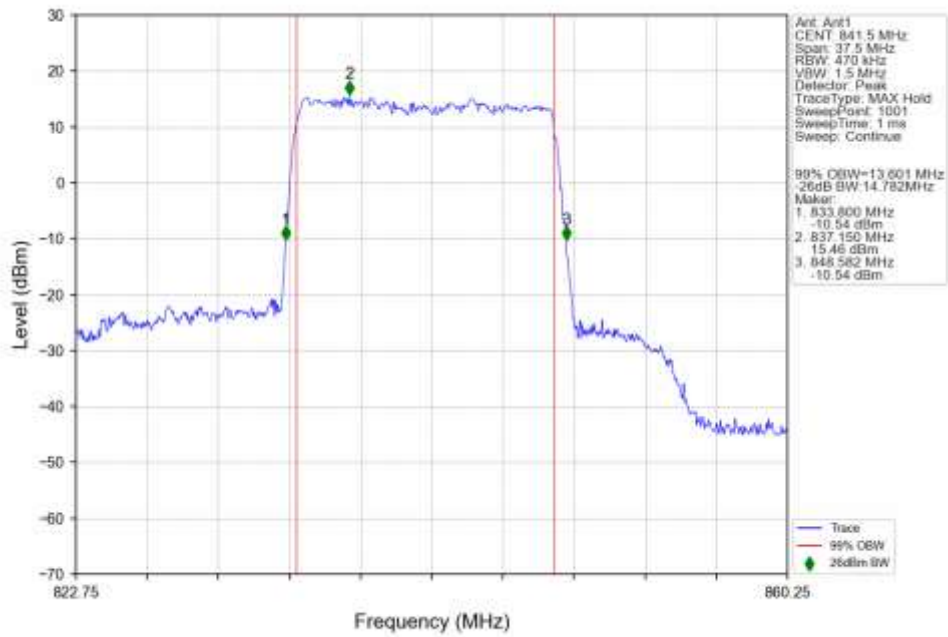
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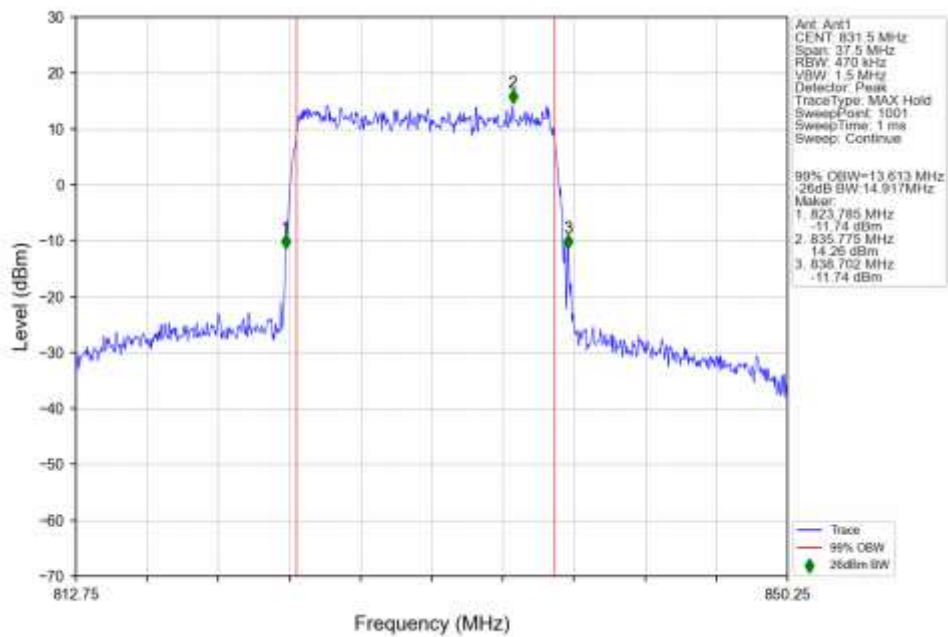
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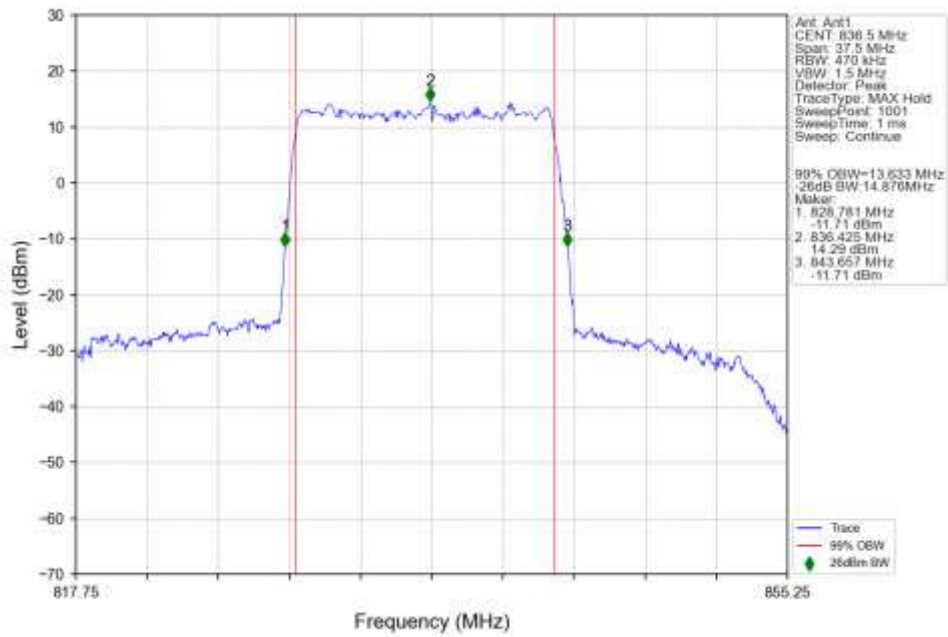
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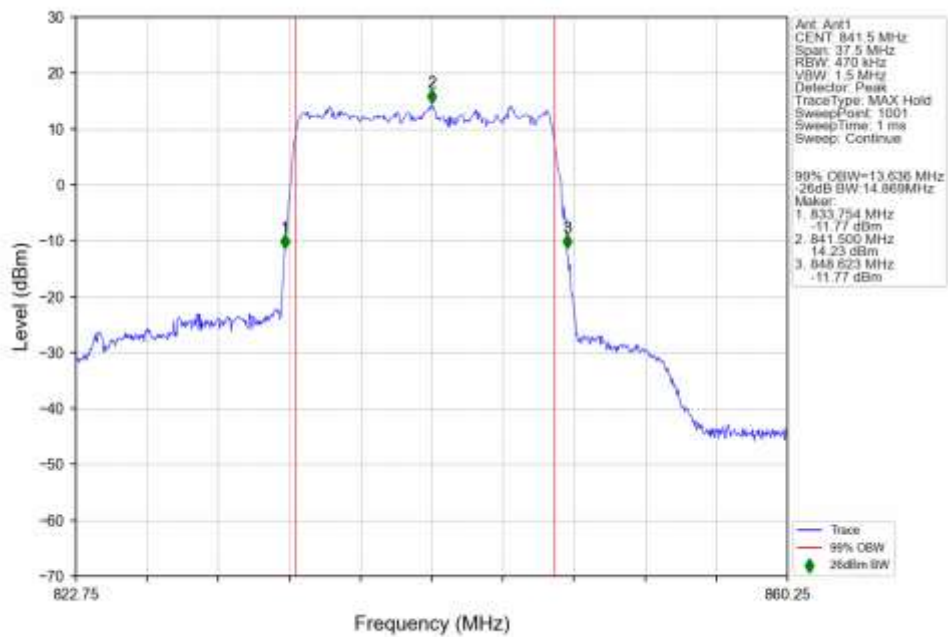
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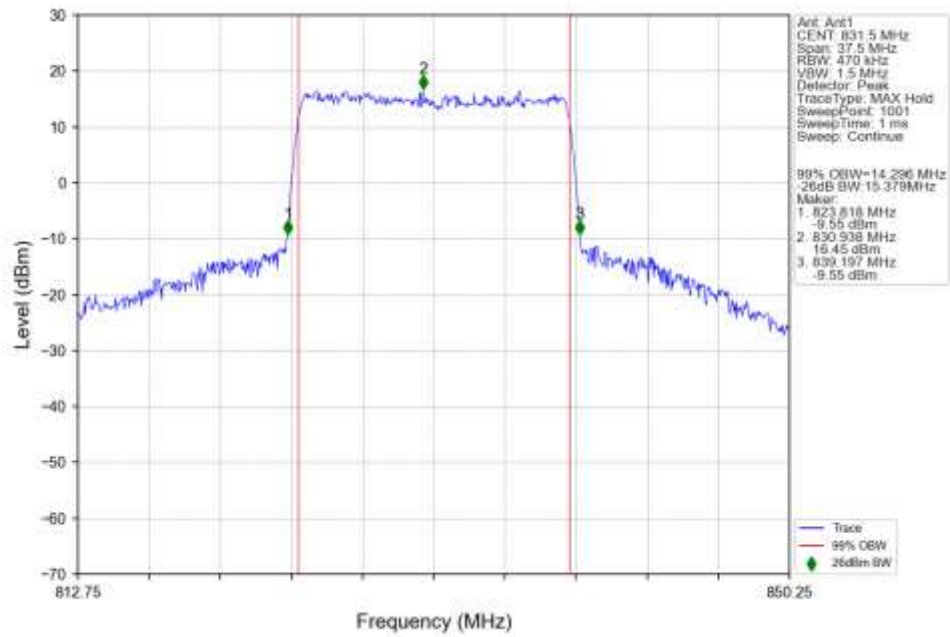
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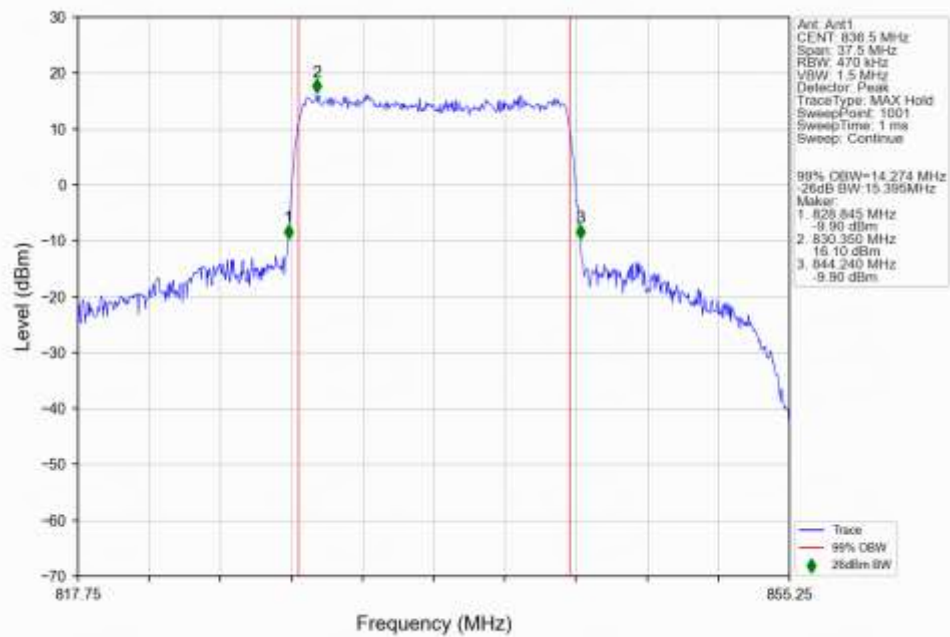
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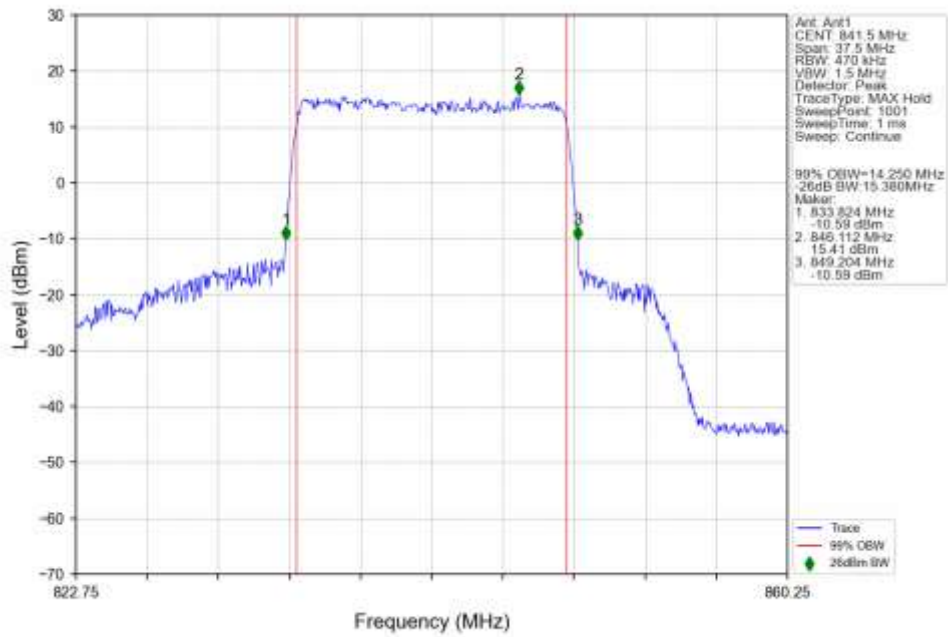
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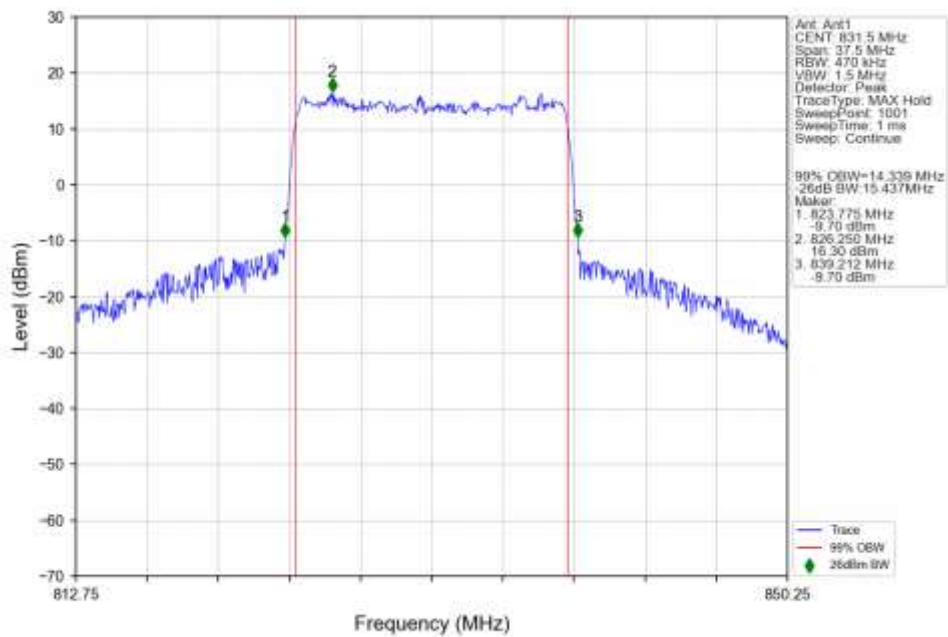
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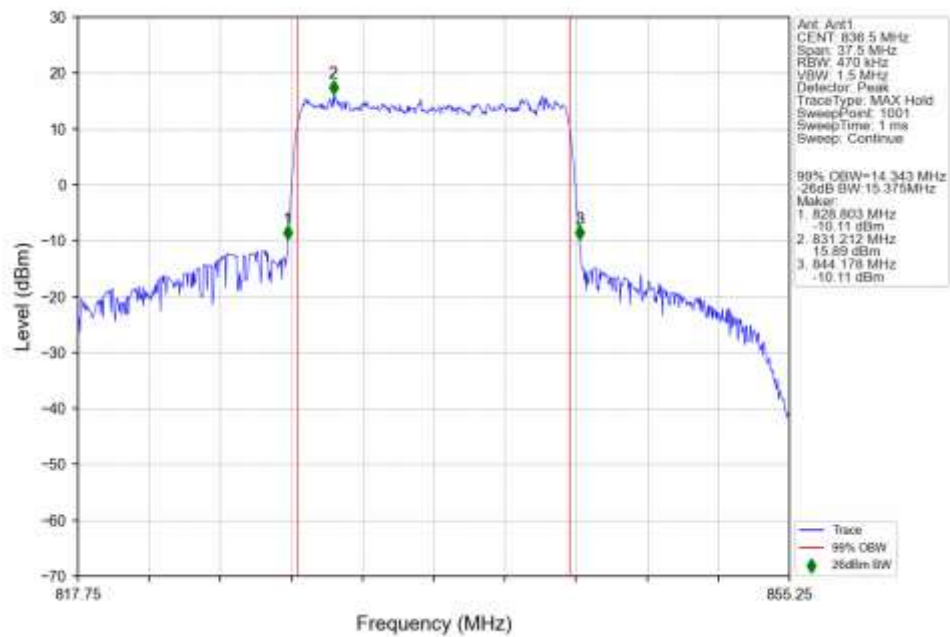
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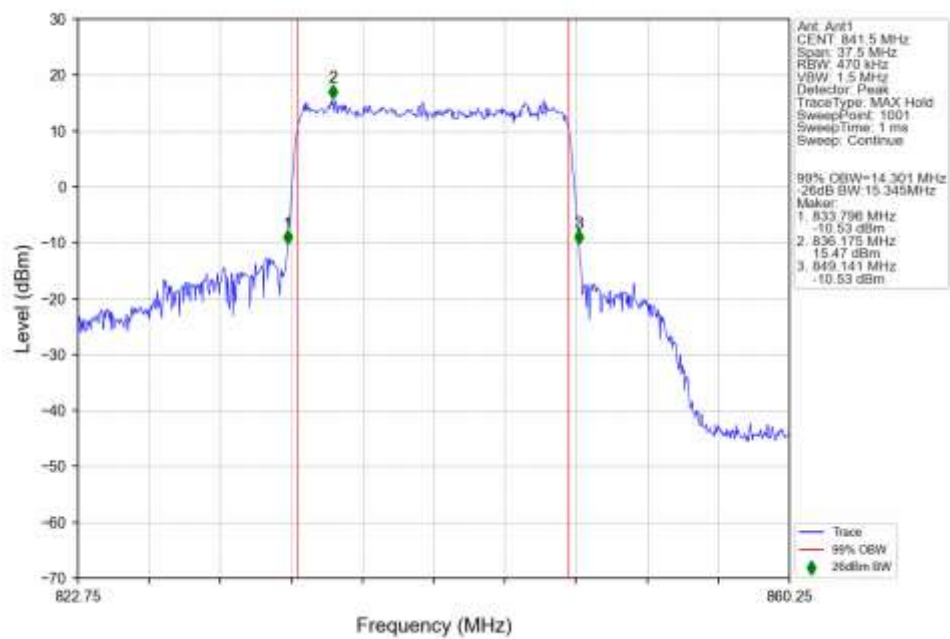
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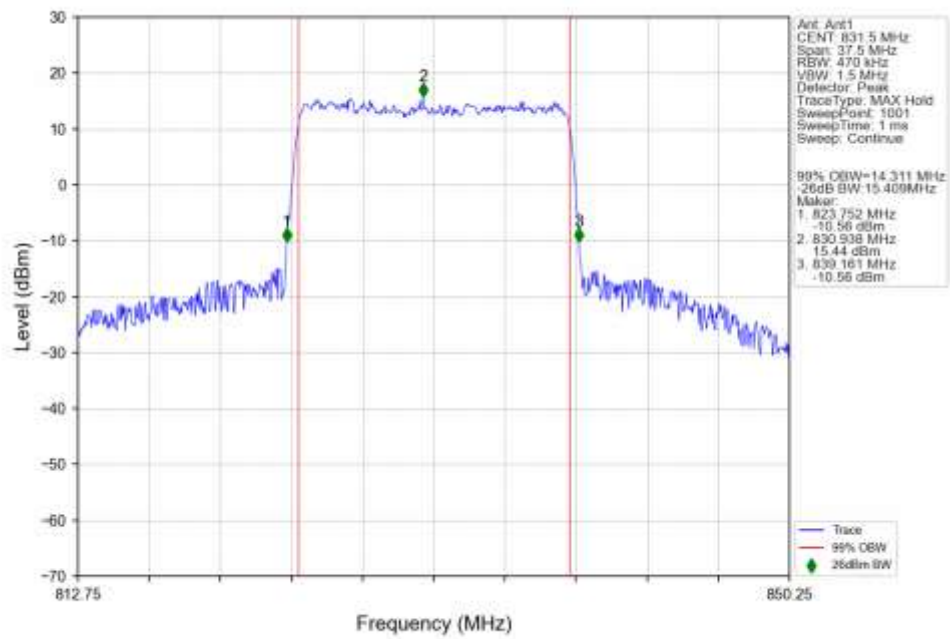
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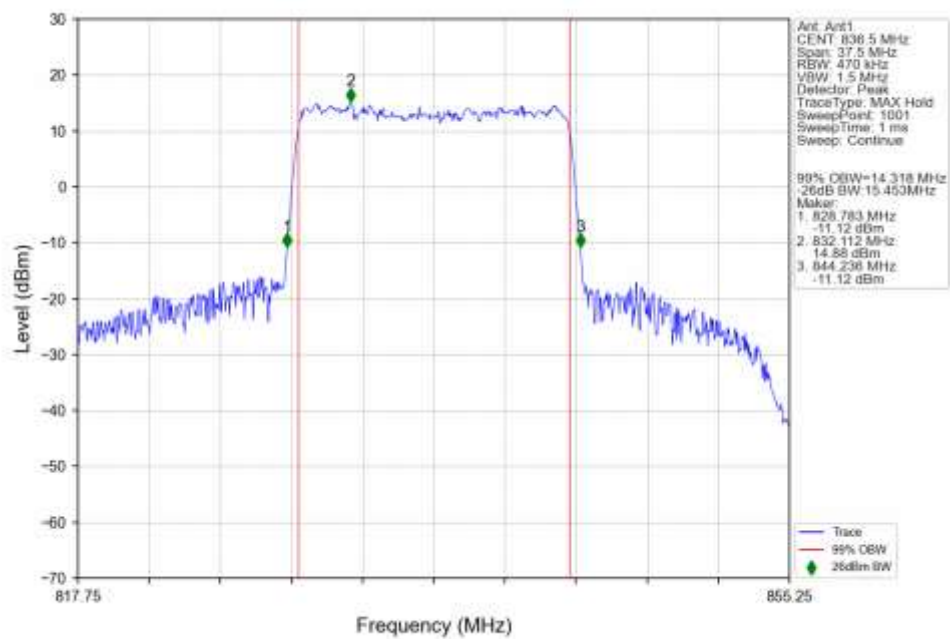
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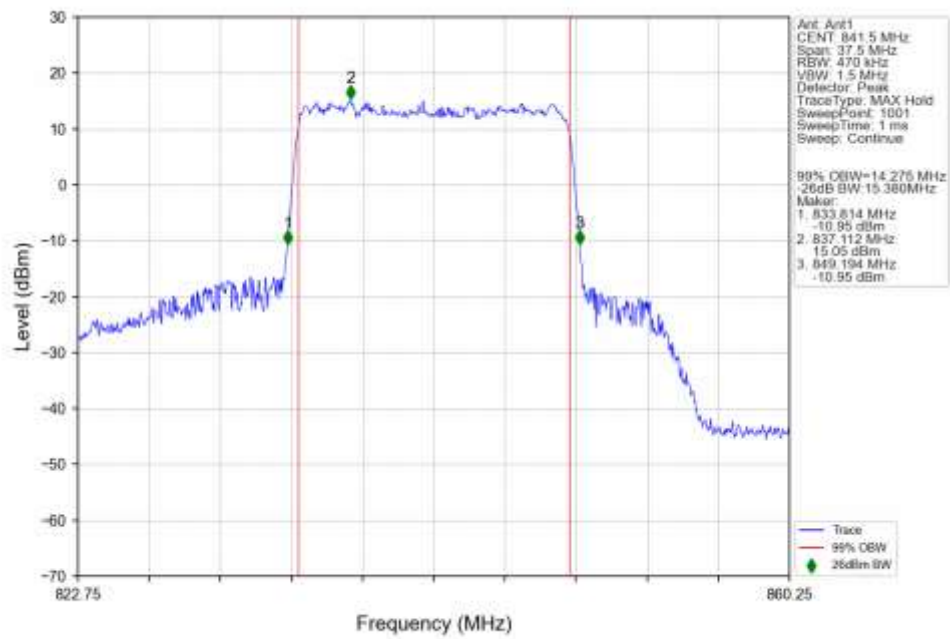
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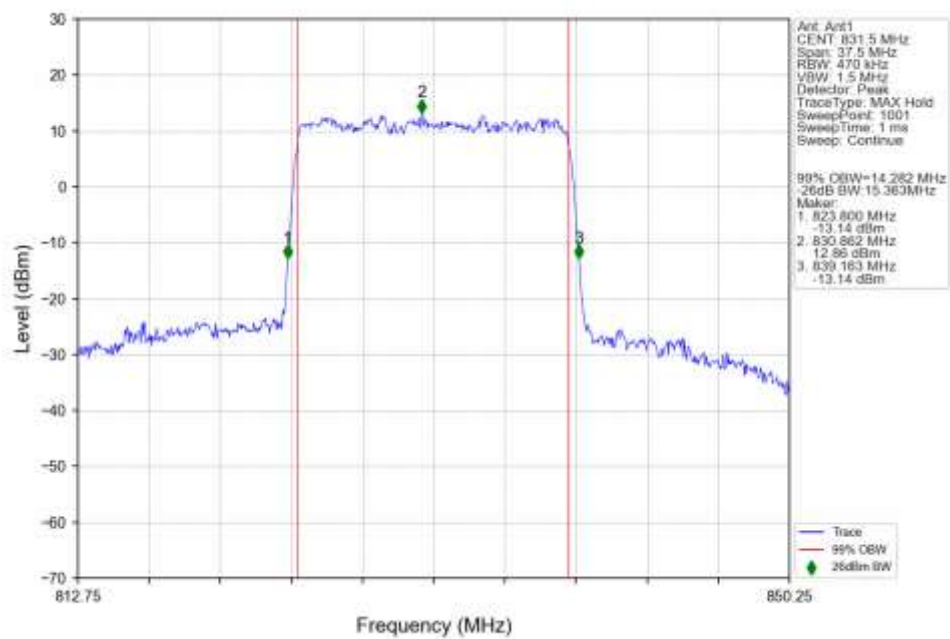
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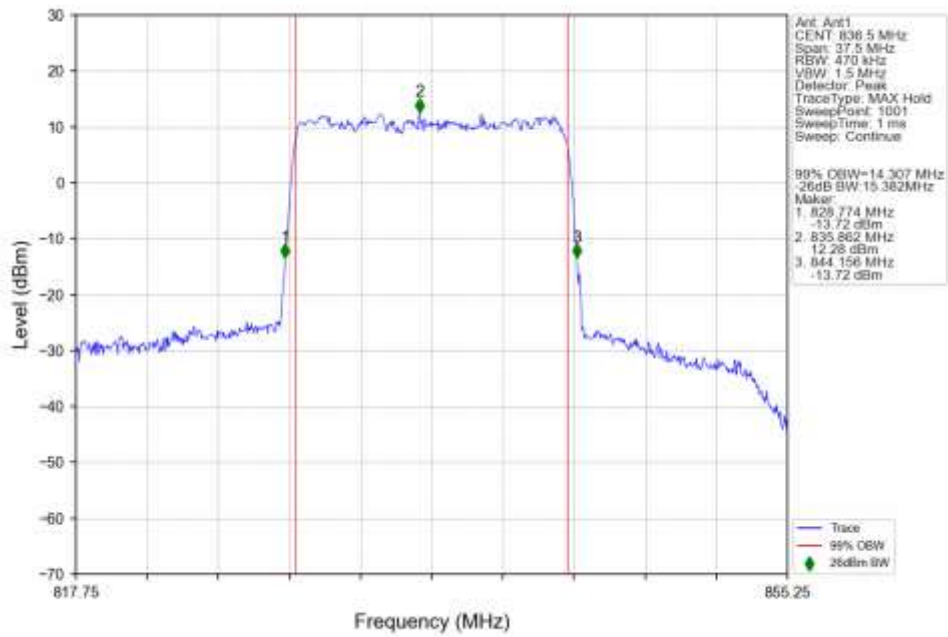
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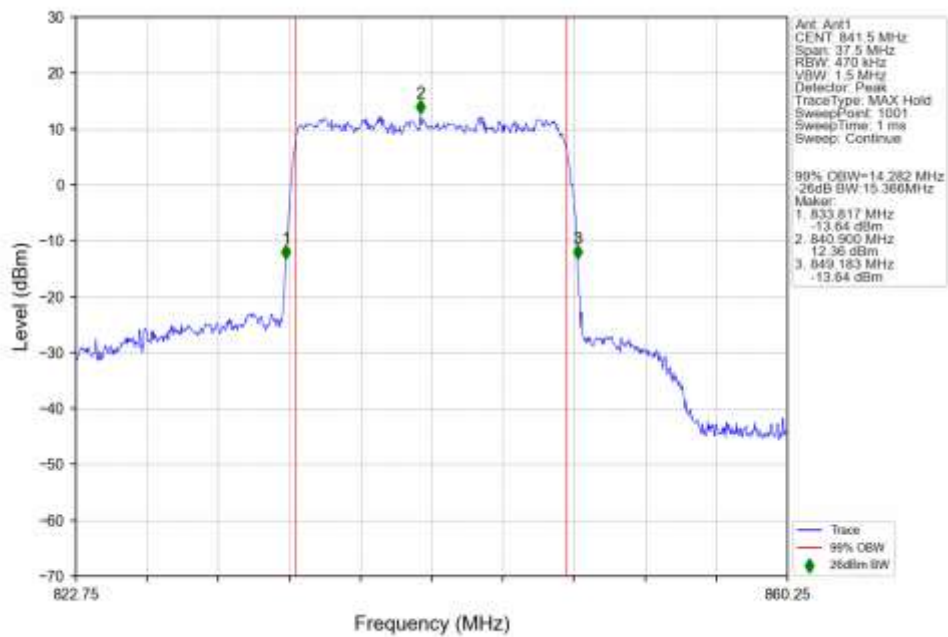
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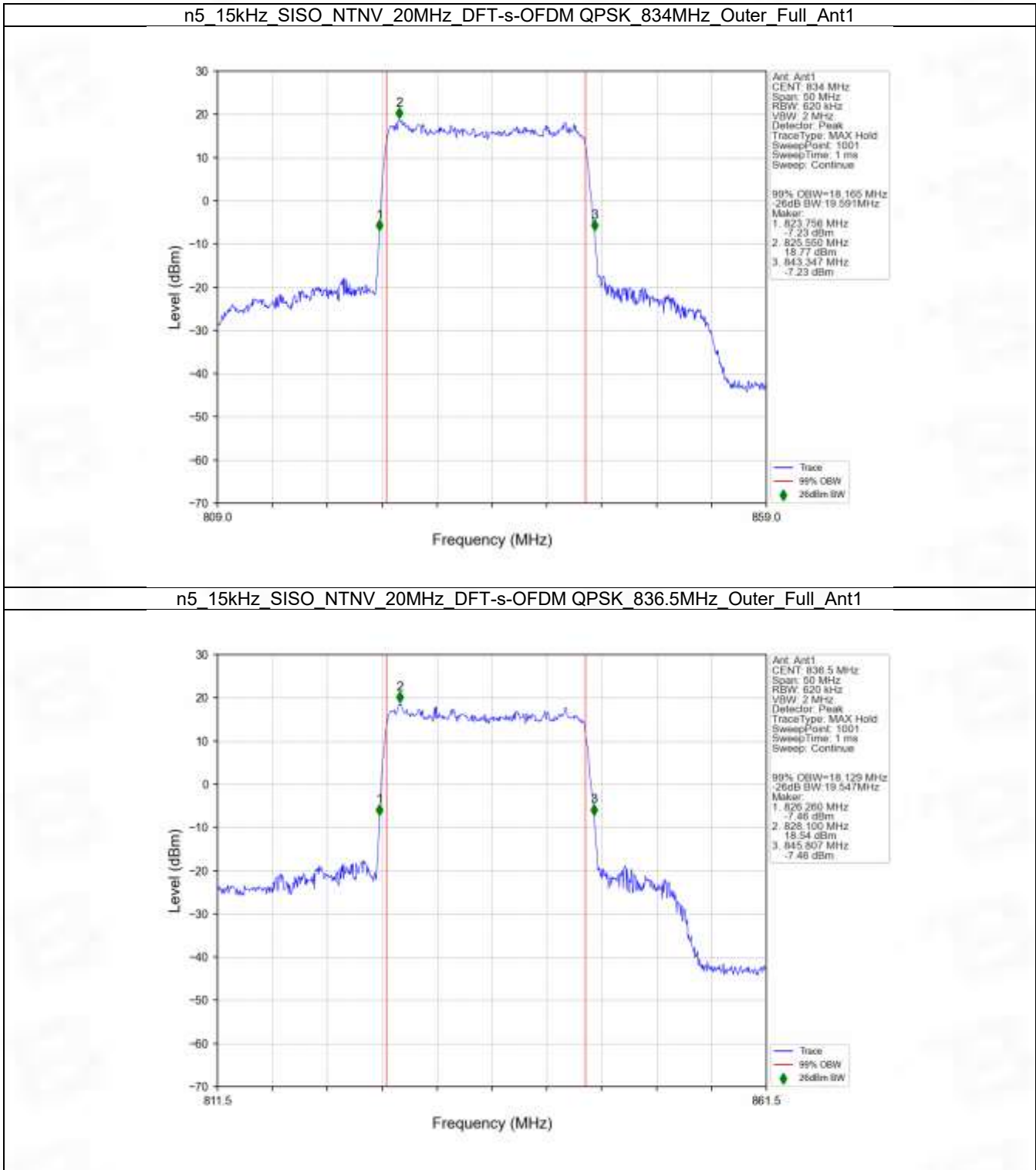
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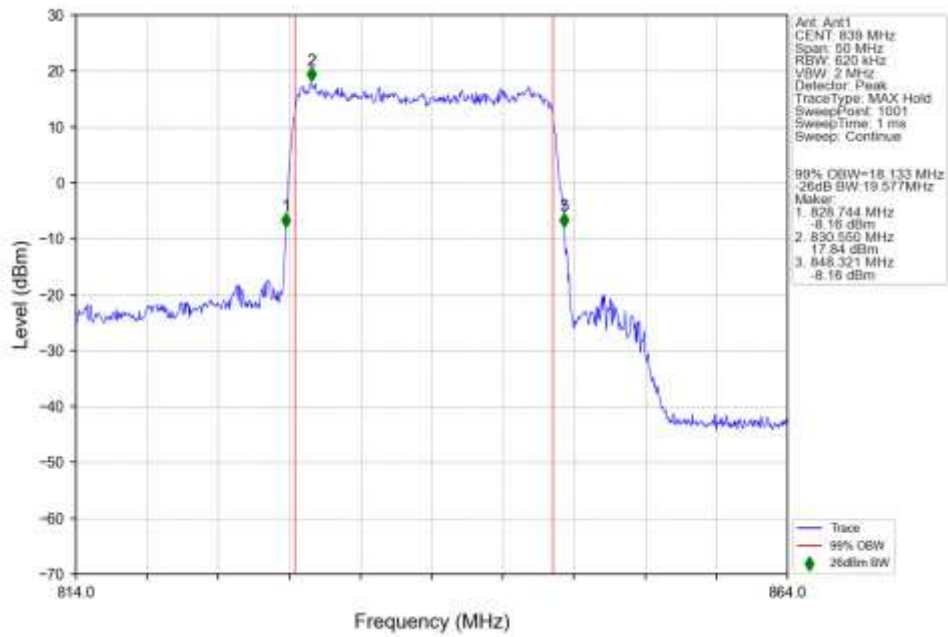
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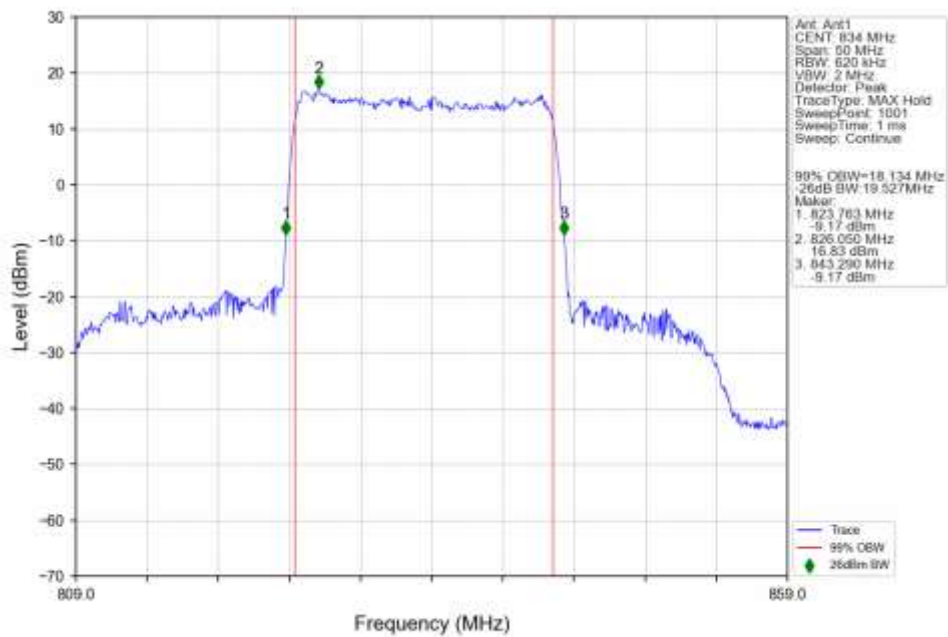
4.2.4 15k_SISO_20MHz_NTNV



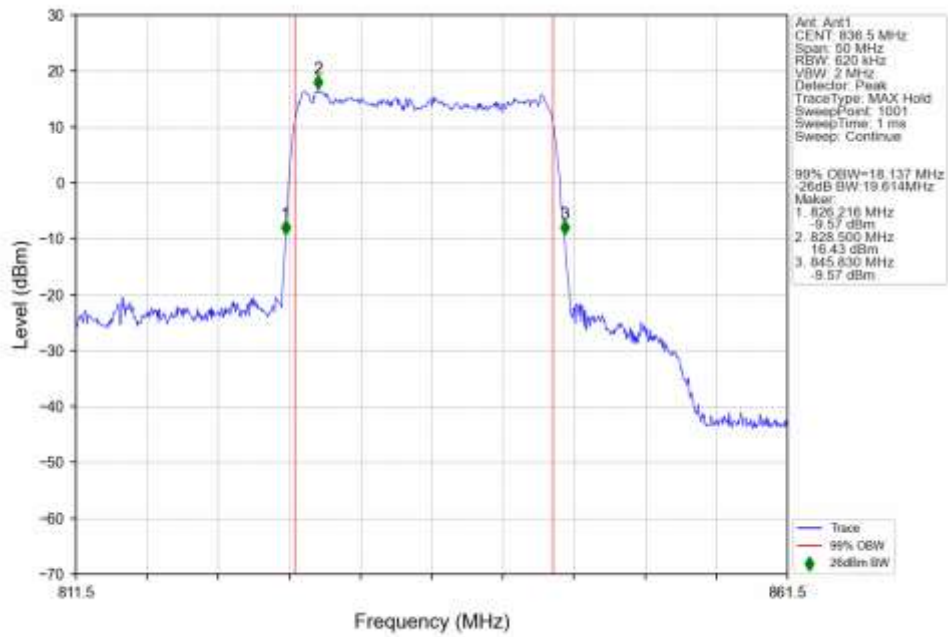
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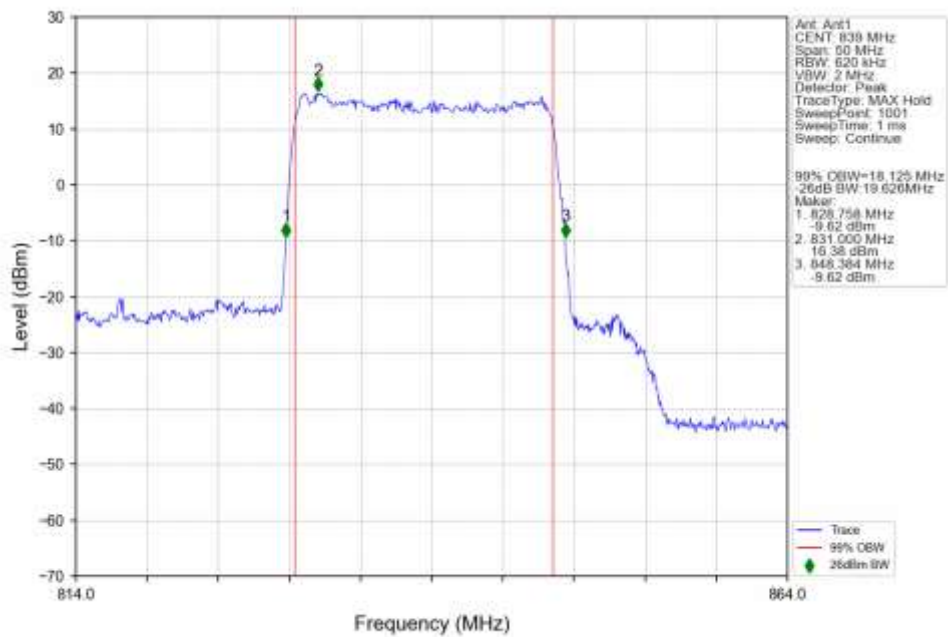
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16QAM_834MHz_Outer_Full_Ant1



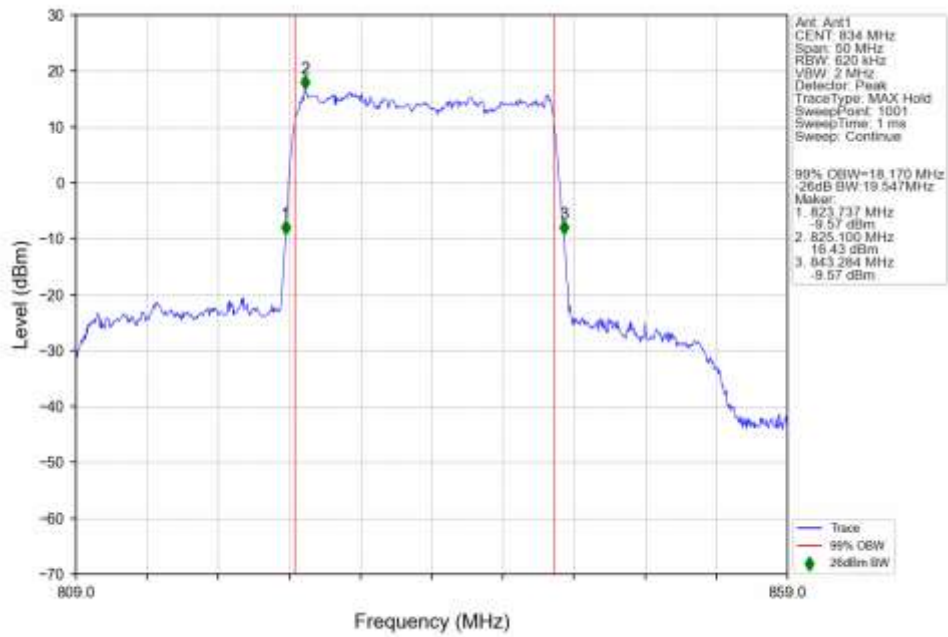
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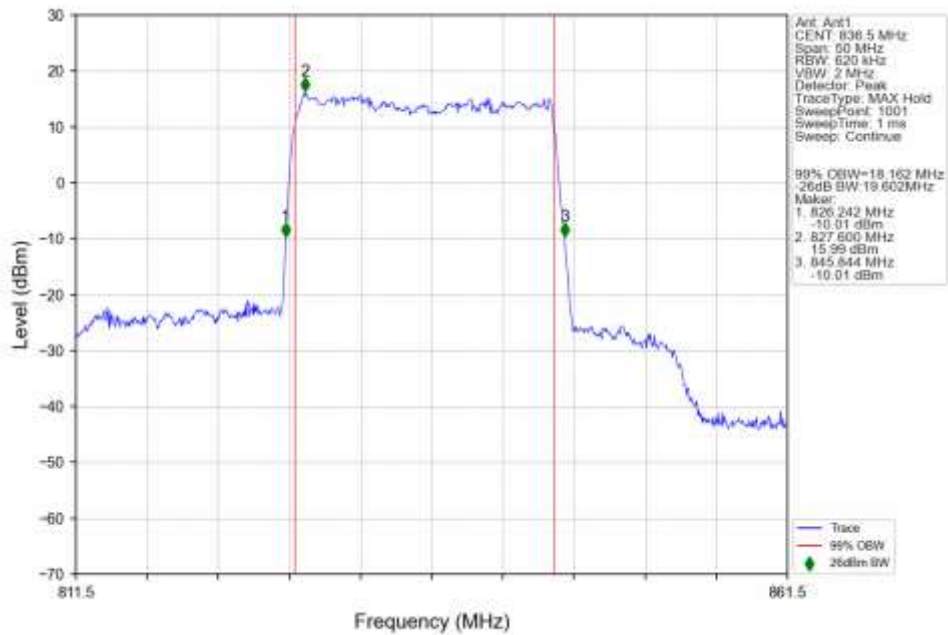
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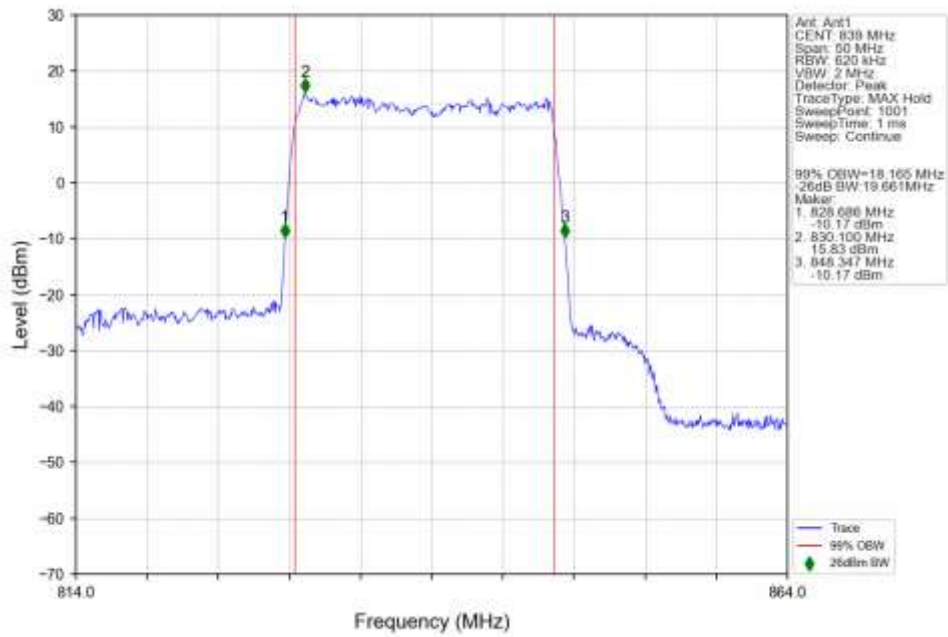
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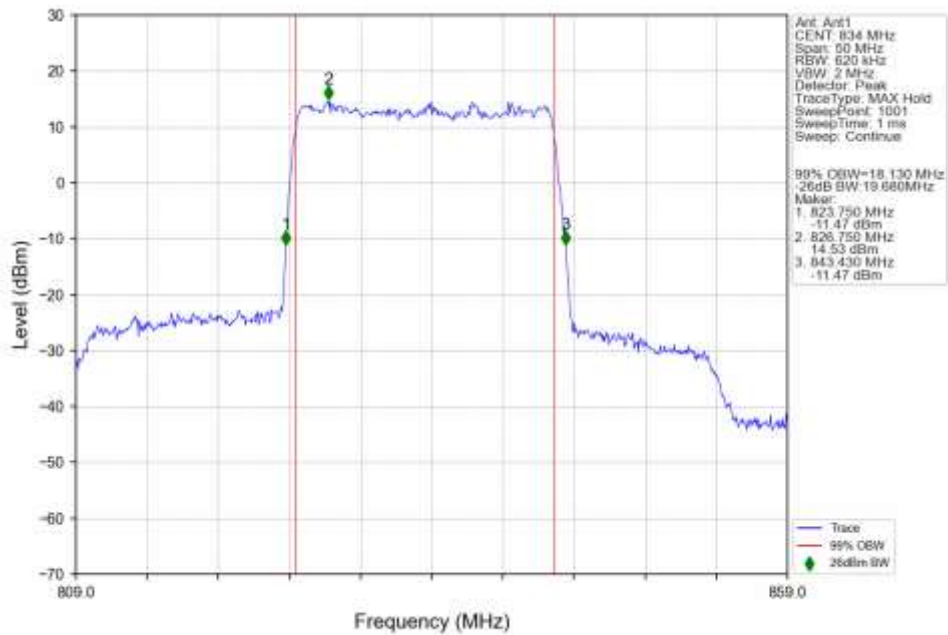
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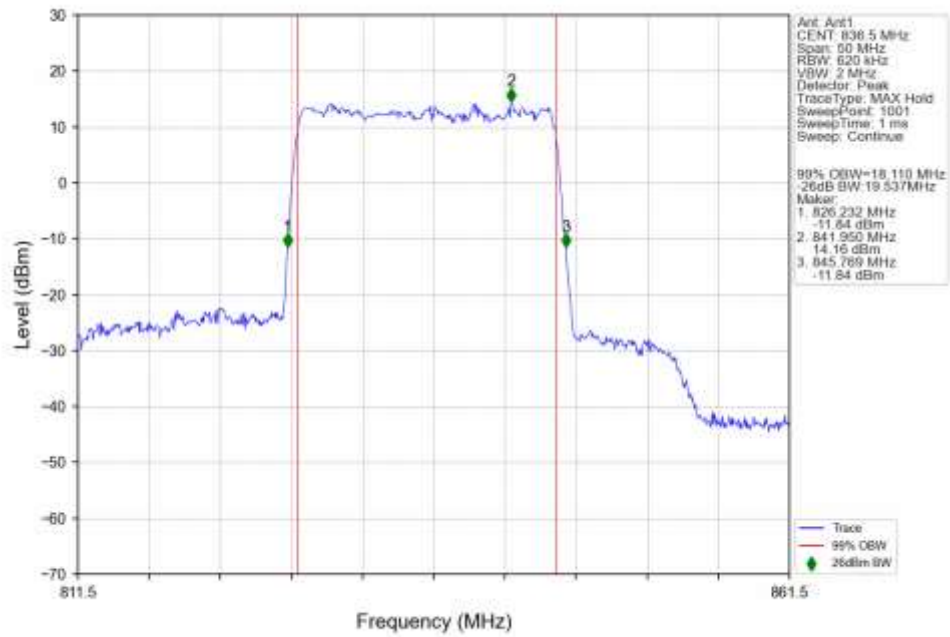
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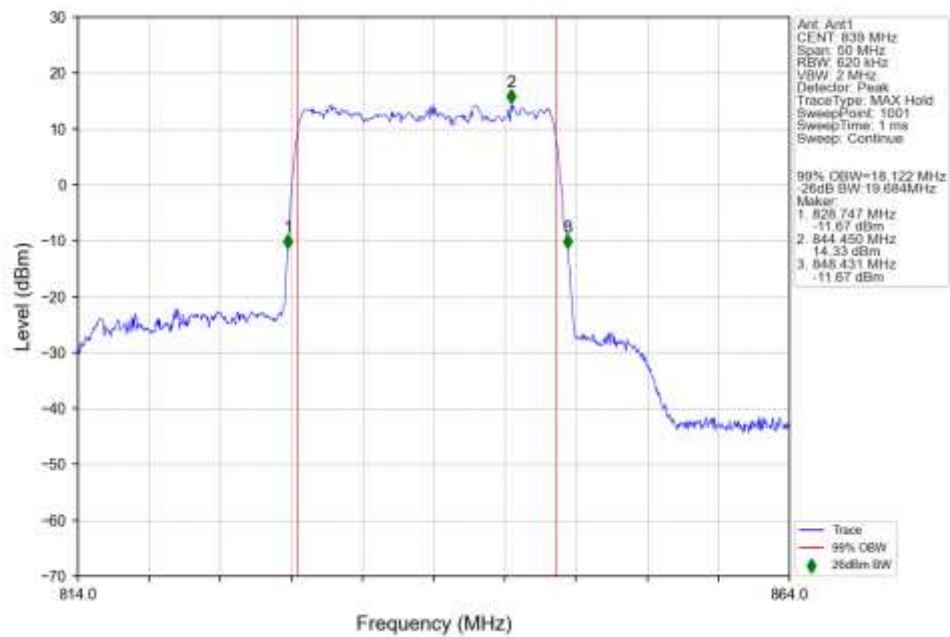
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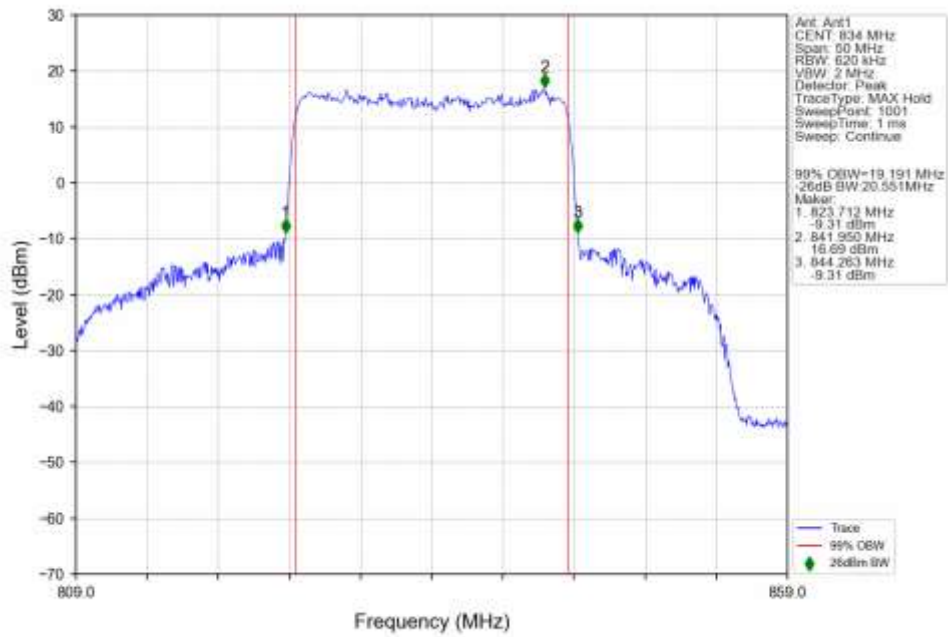
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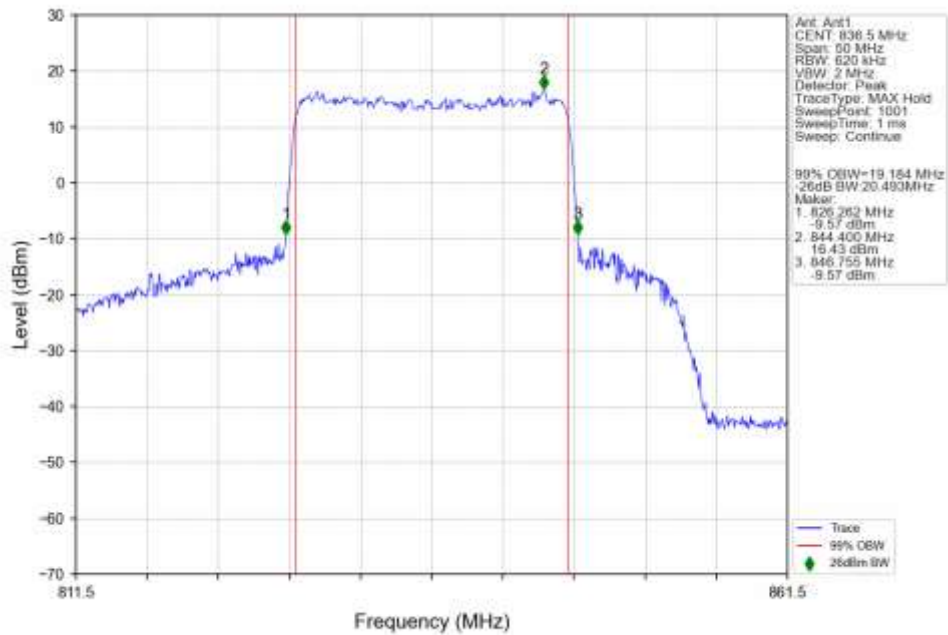
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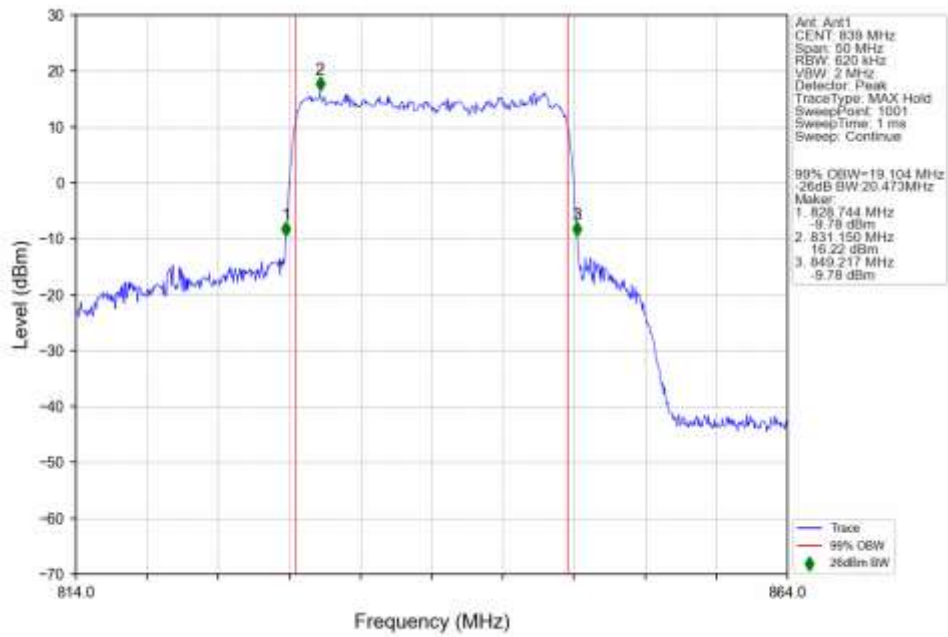
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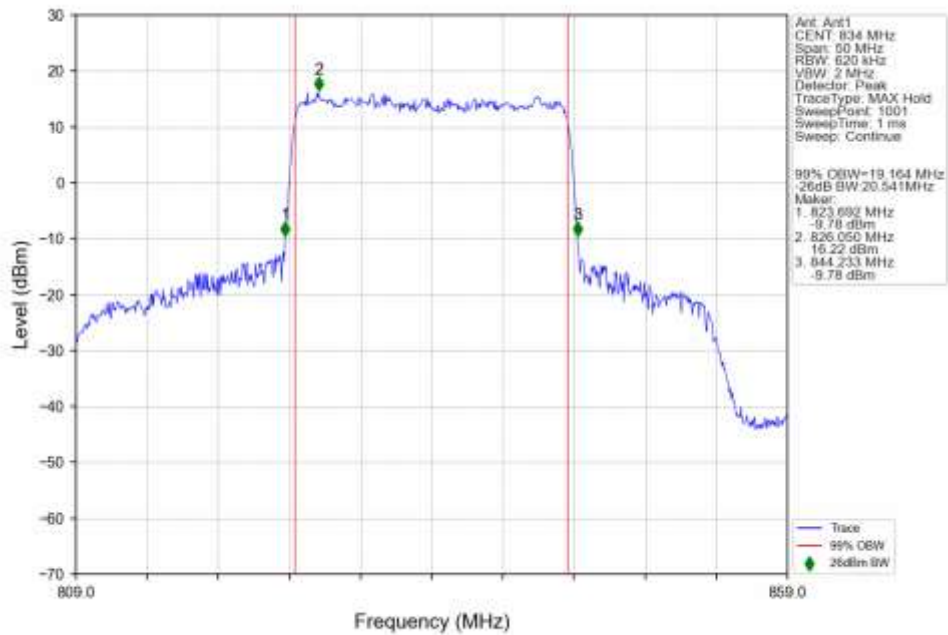
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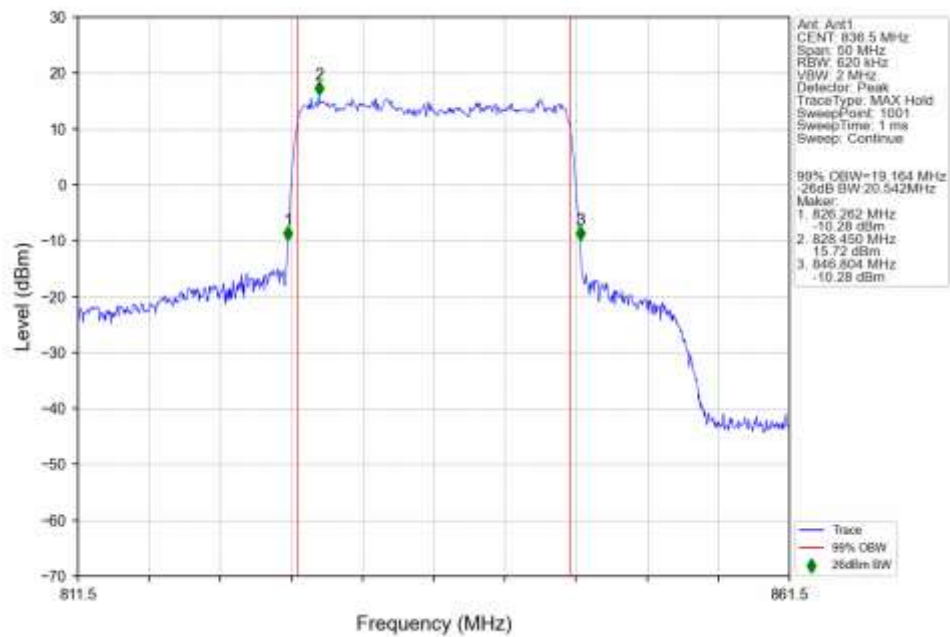
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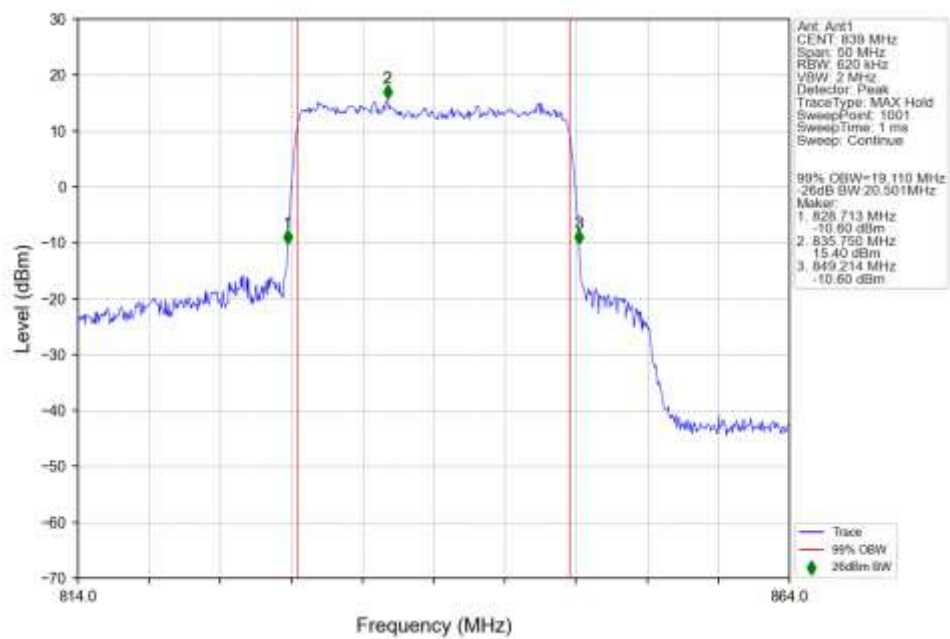
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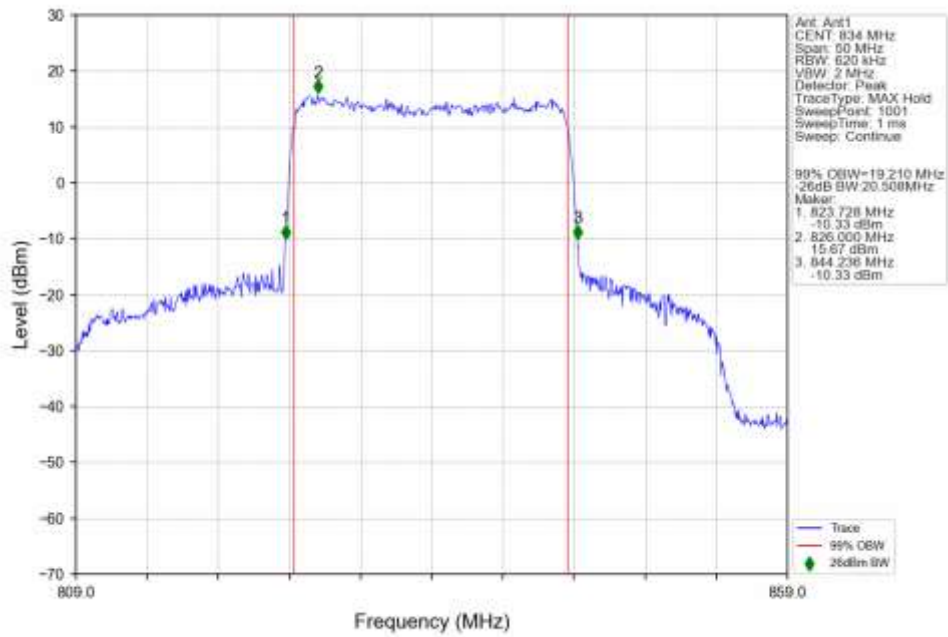
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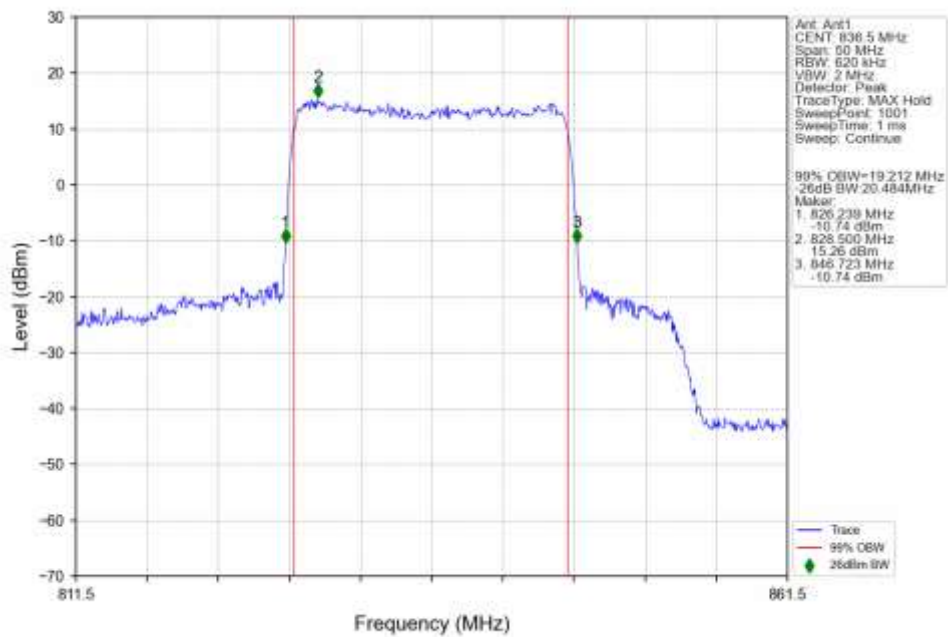
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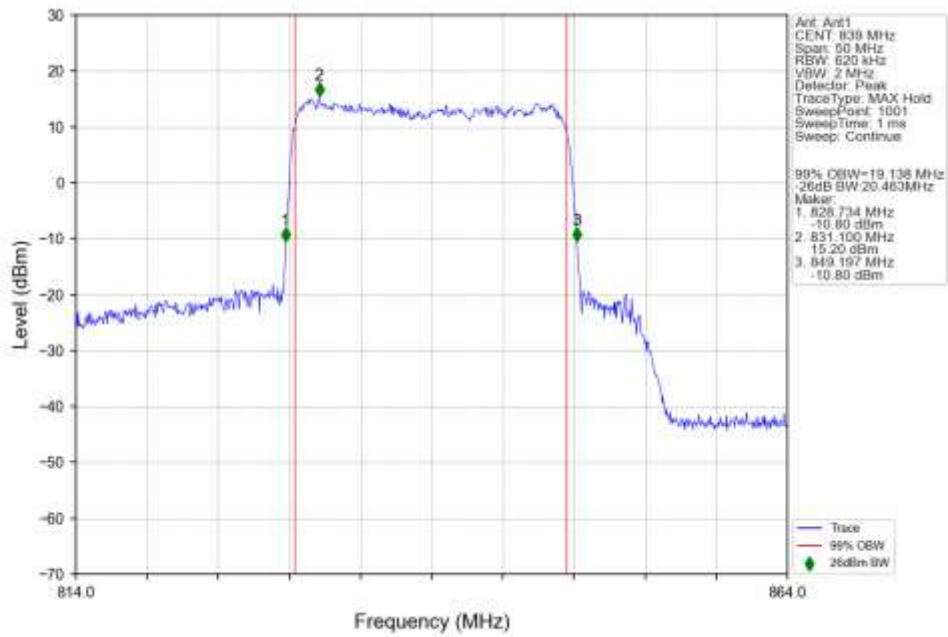
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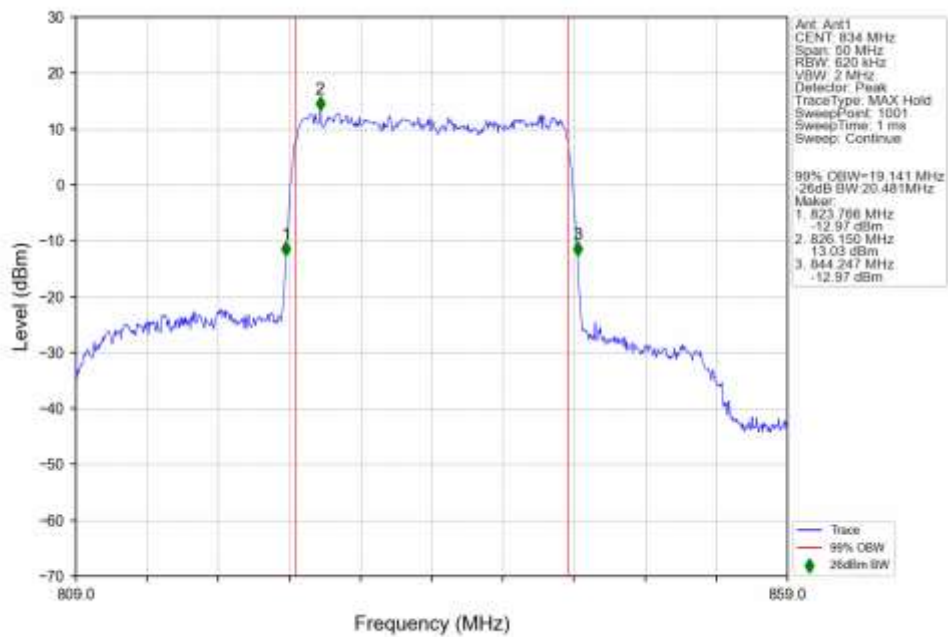
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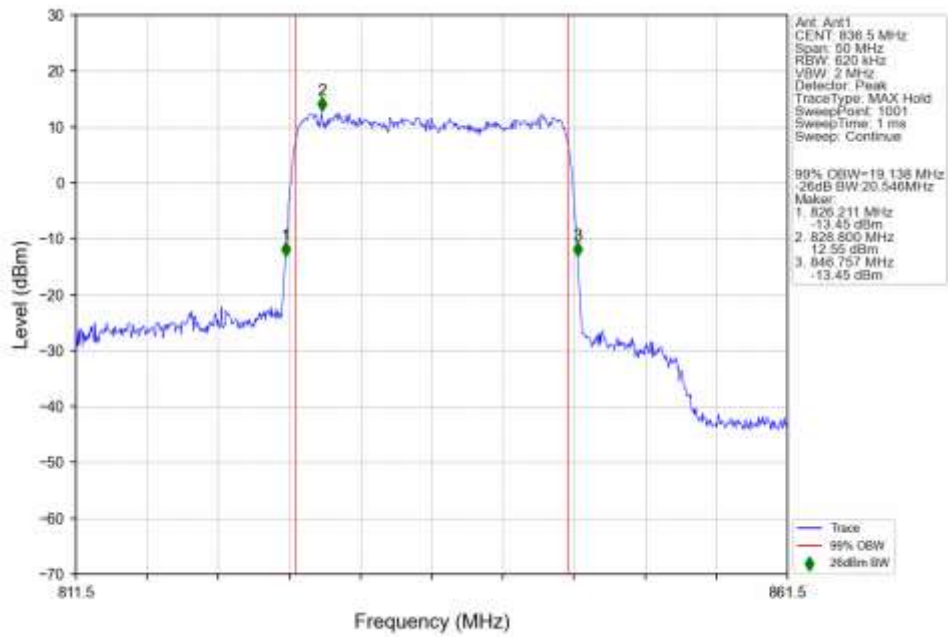
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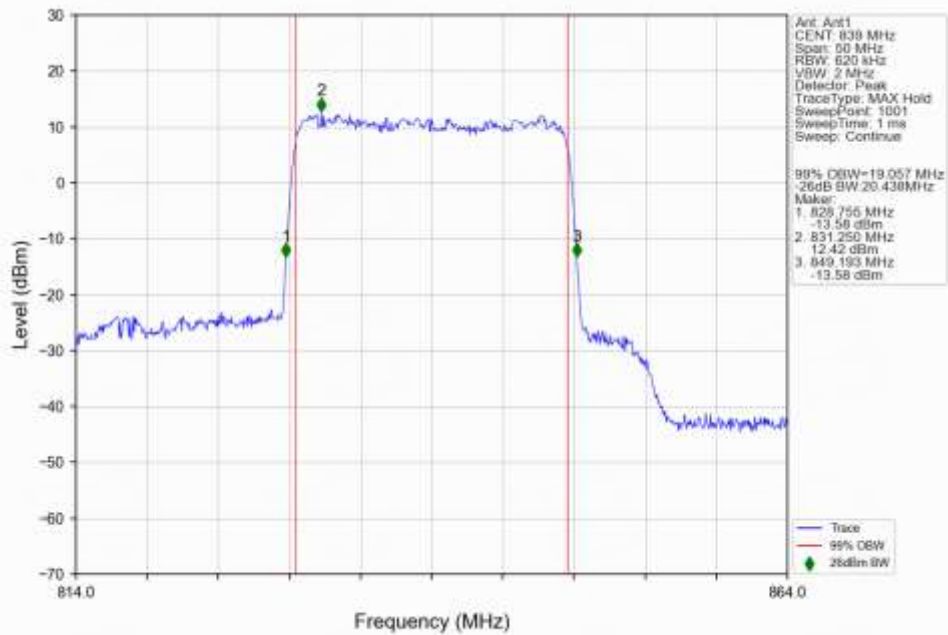
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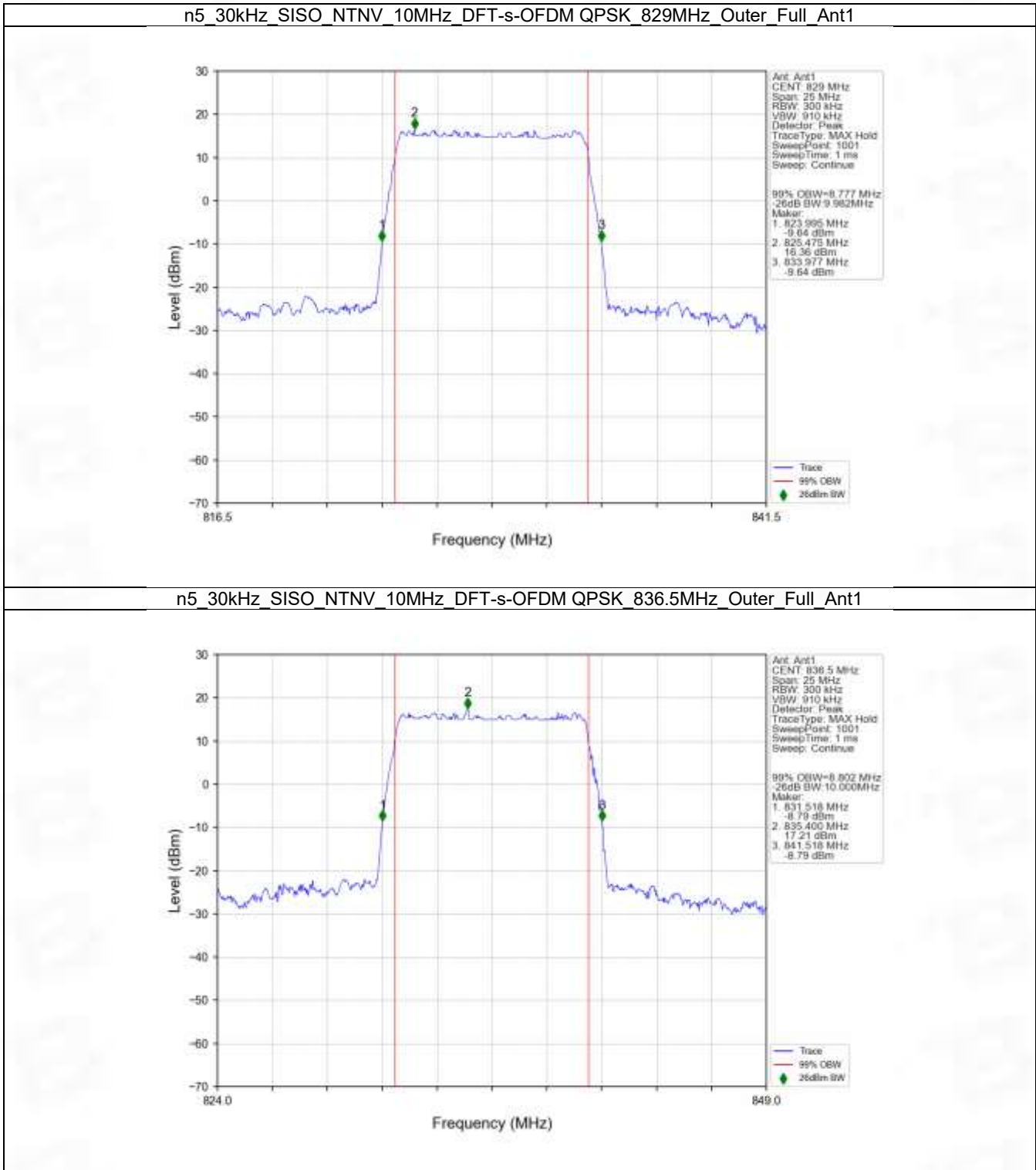
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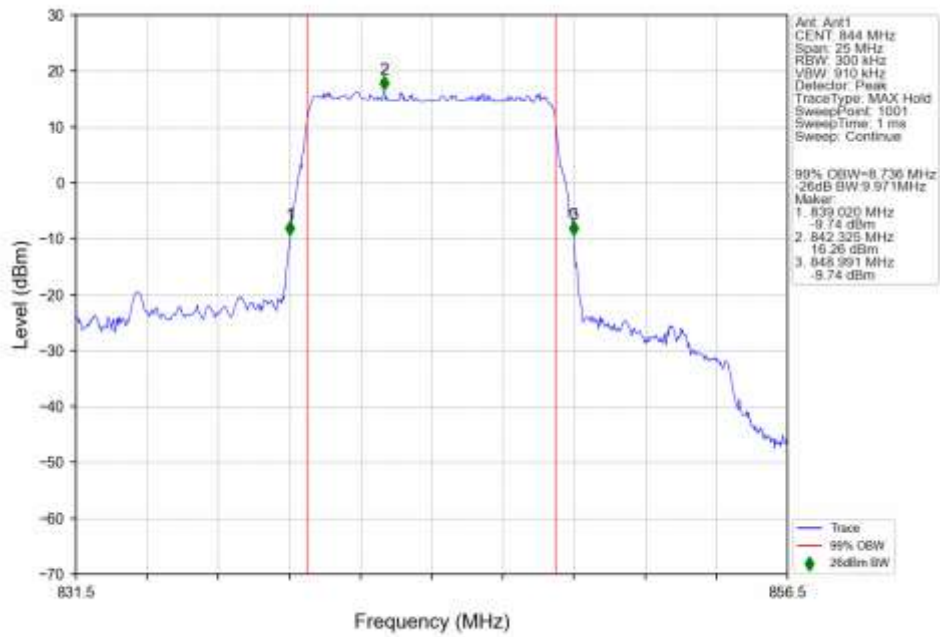
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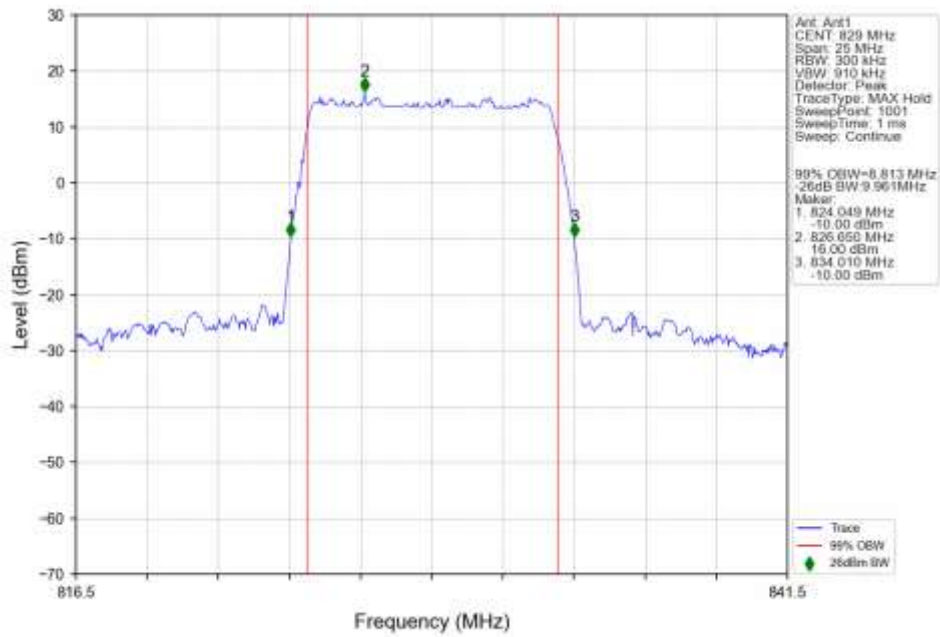
4.2.5 30k_SISO_10MHz_NTNV



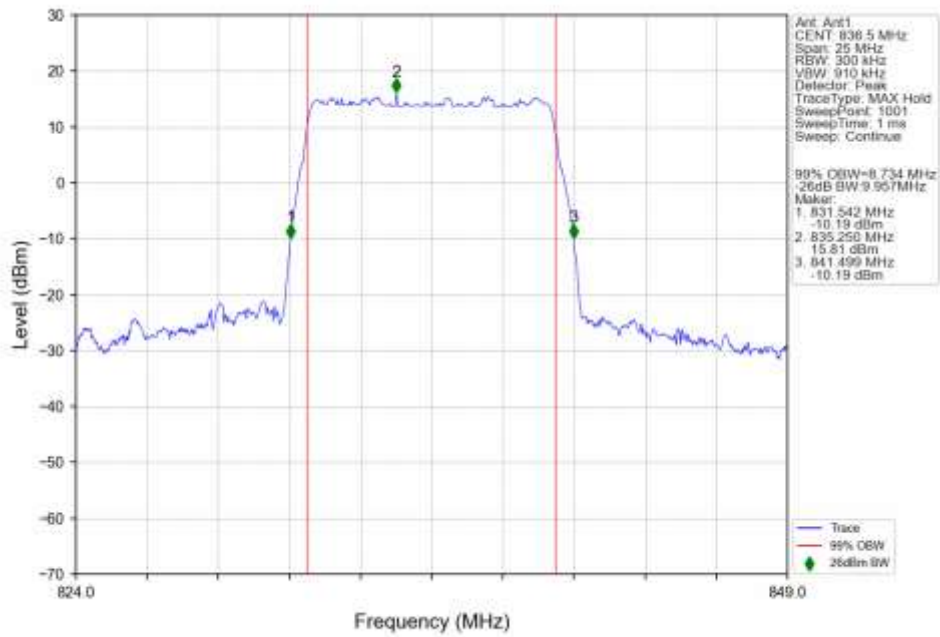
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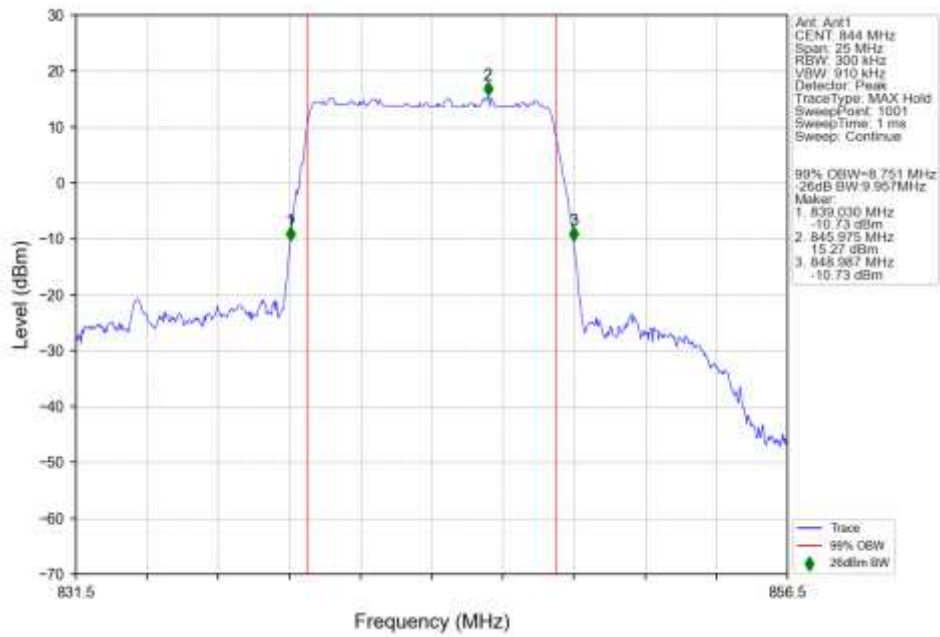
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_829MHz_Outer_Full_Ant1



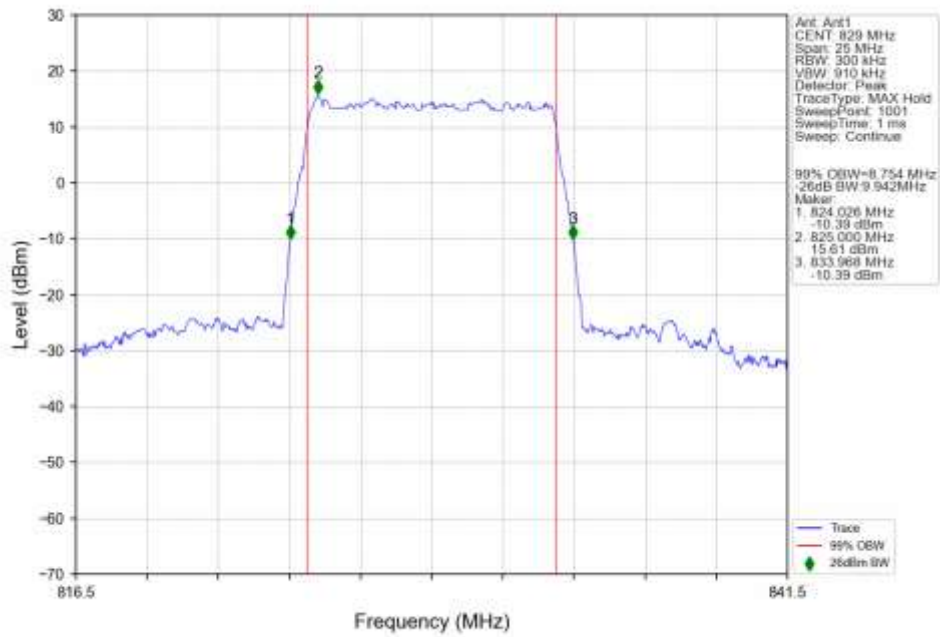
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



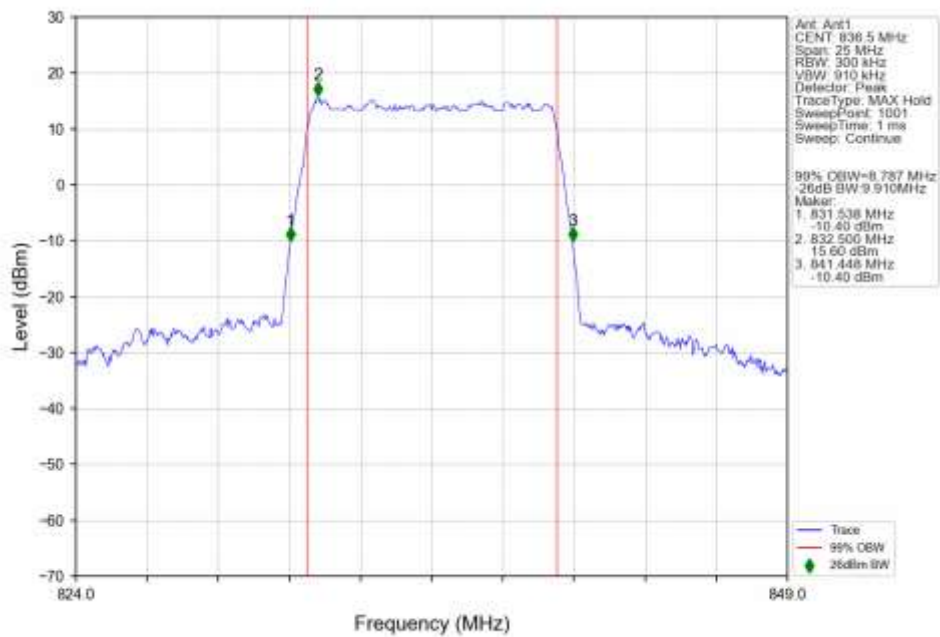
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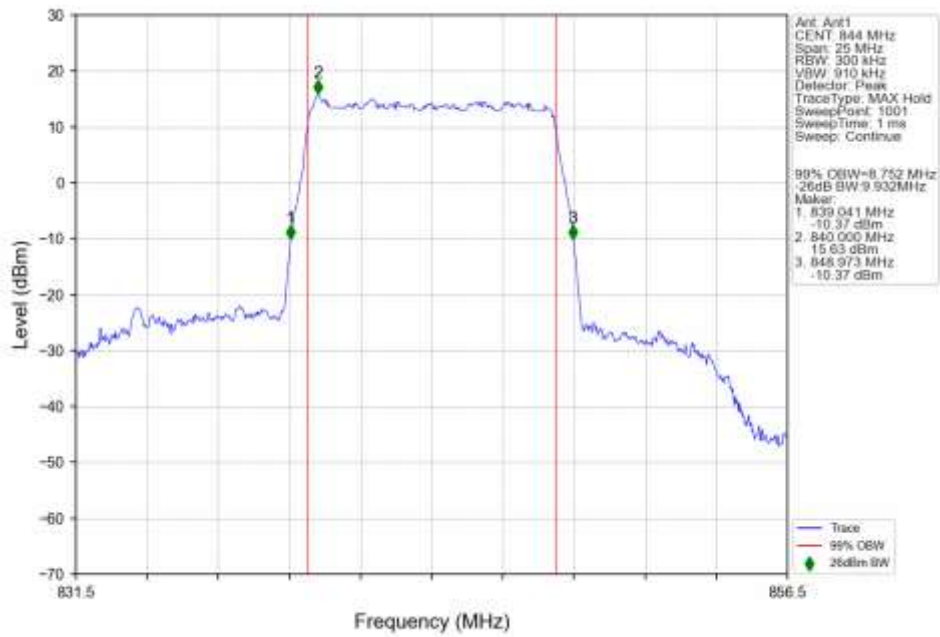
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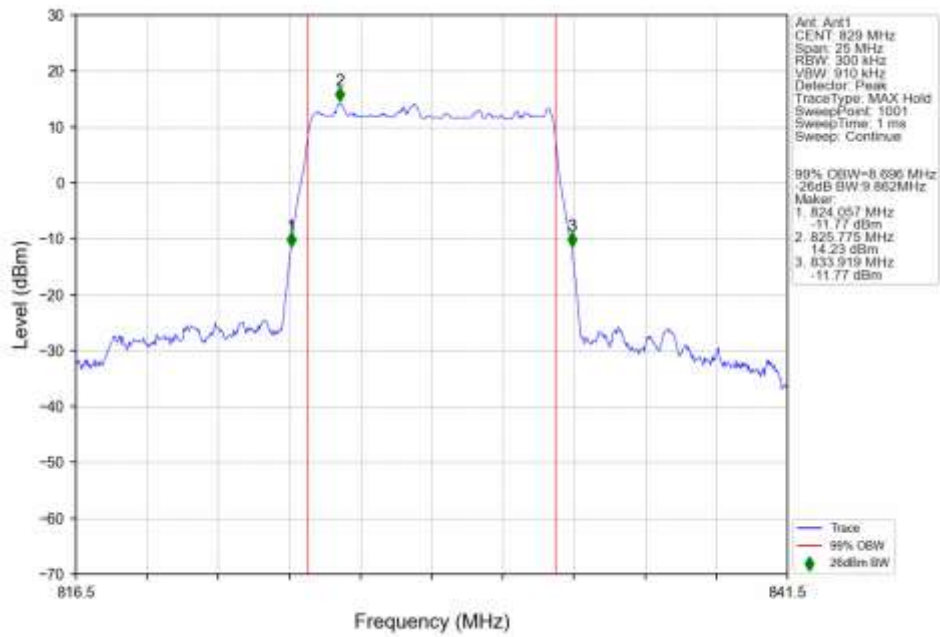
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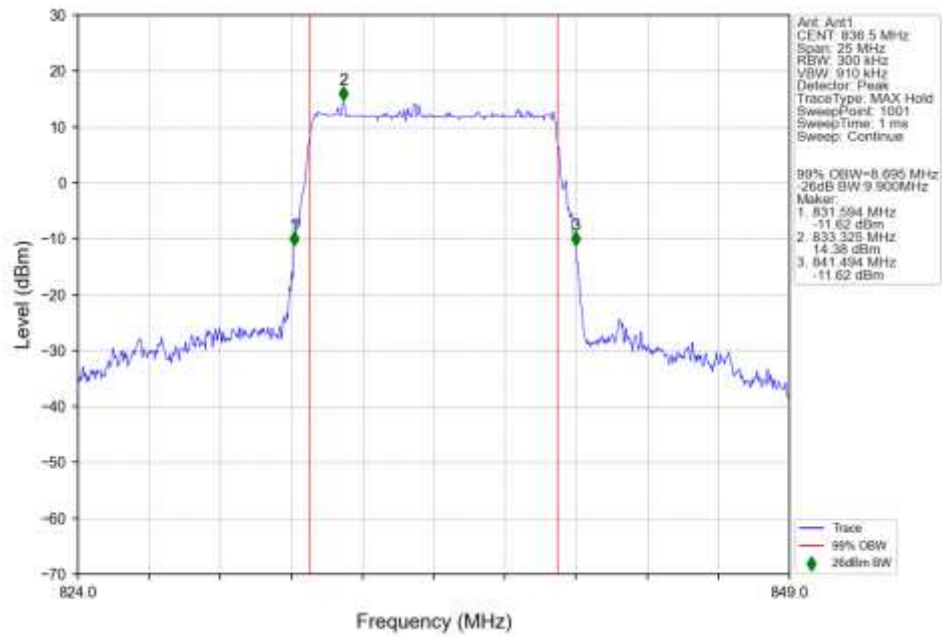
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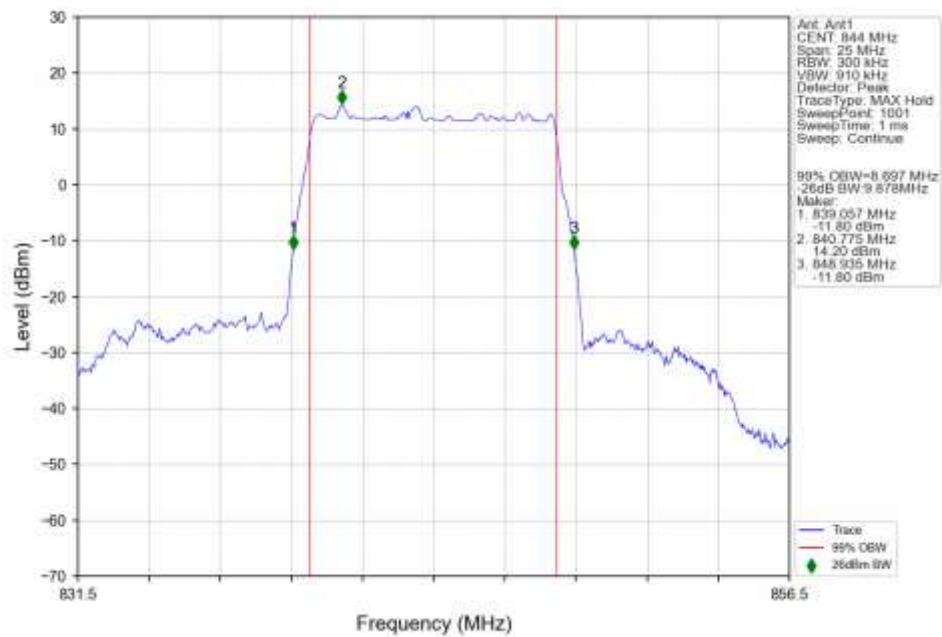
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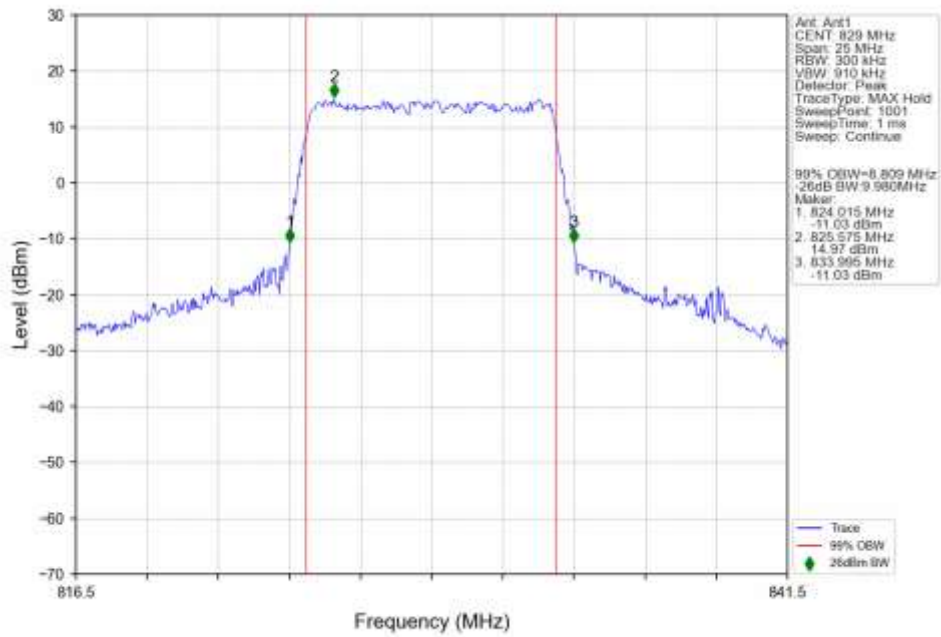
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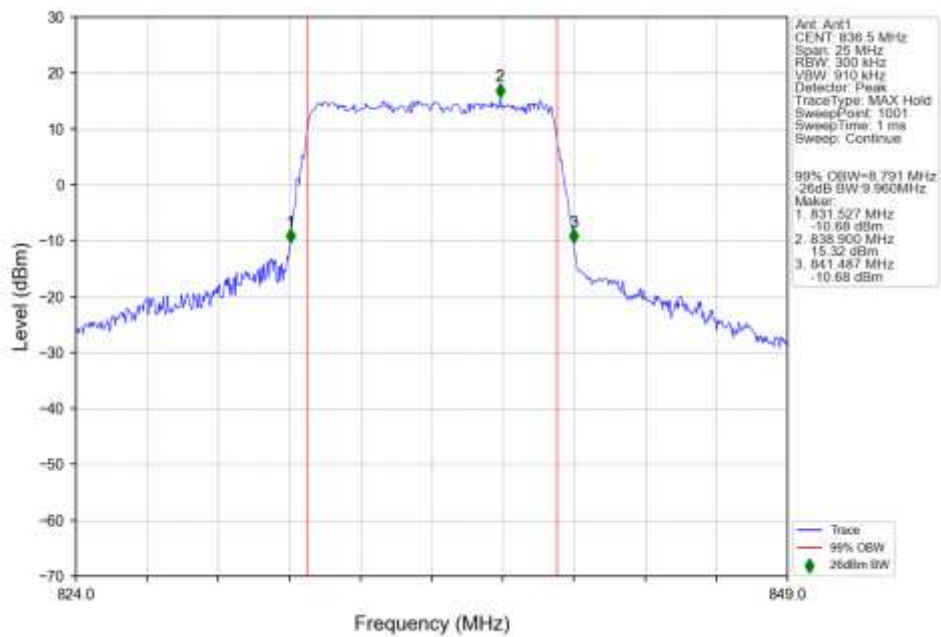
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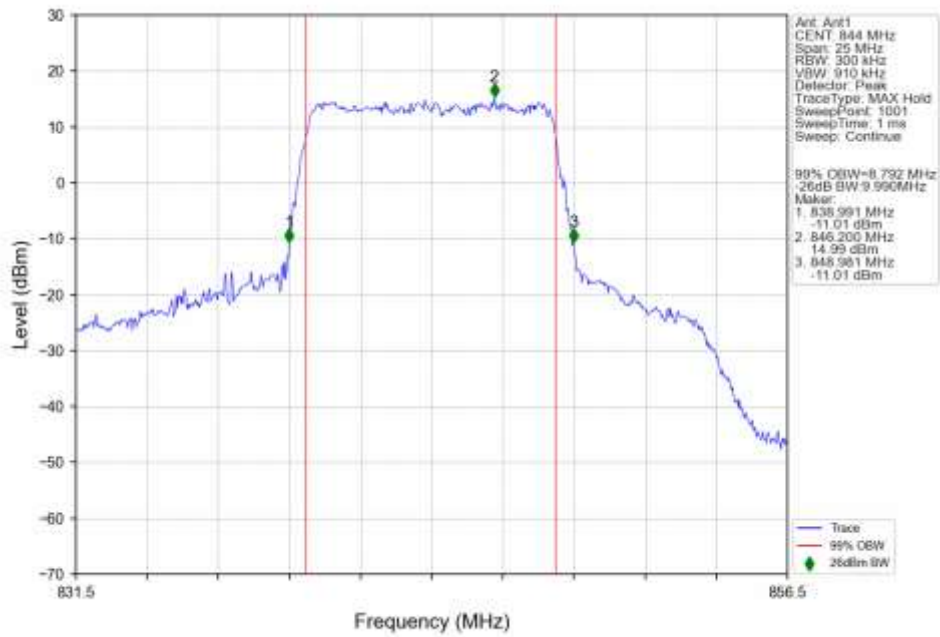
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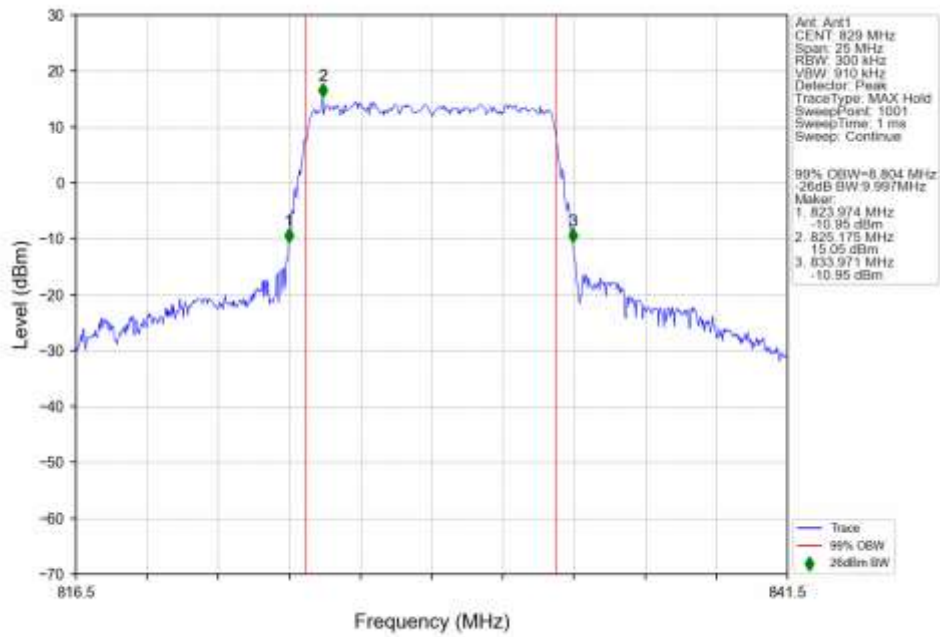
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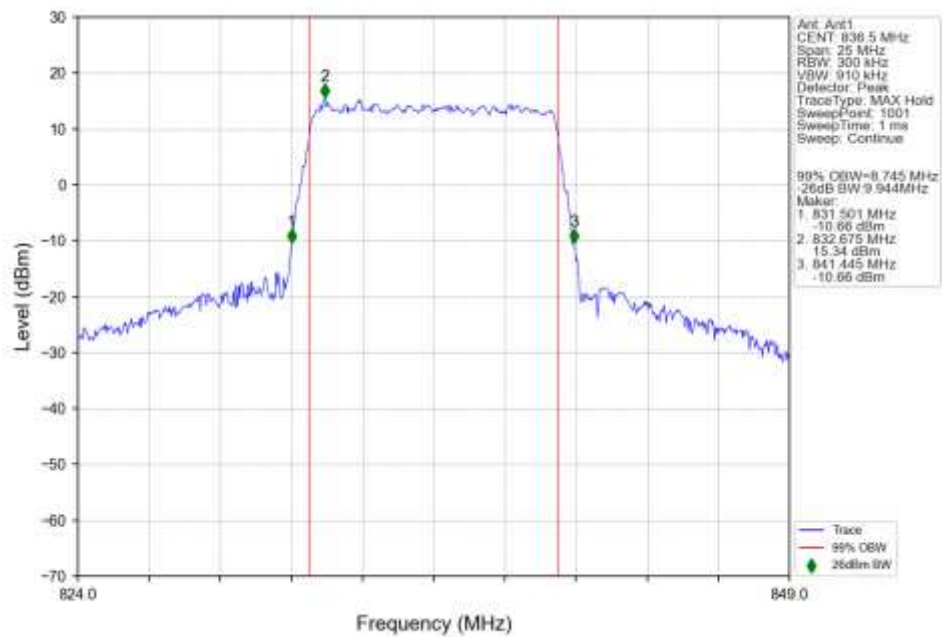
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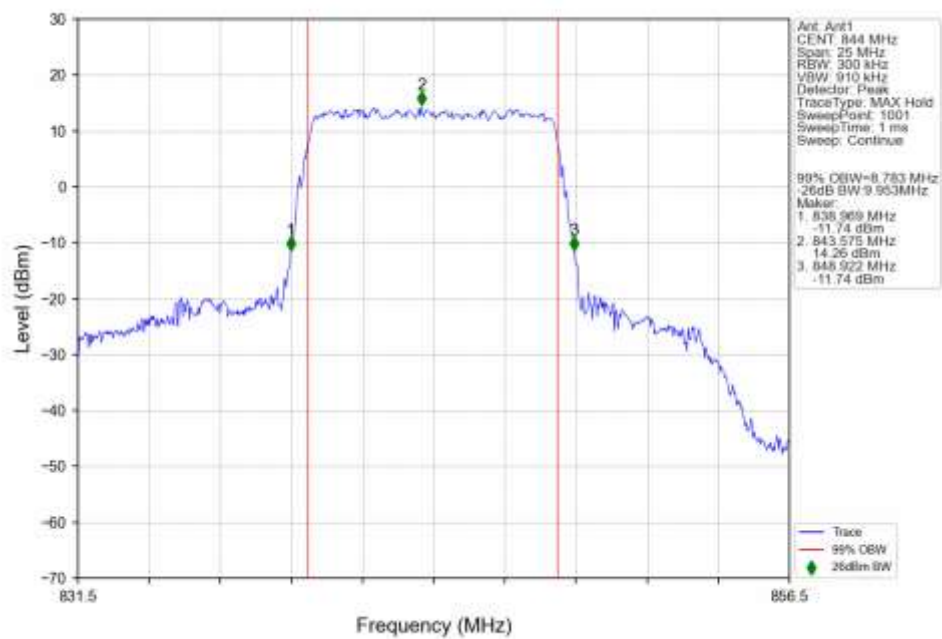
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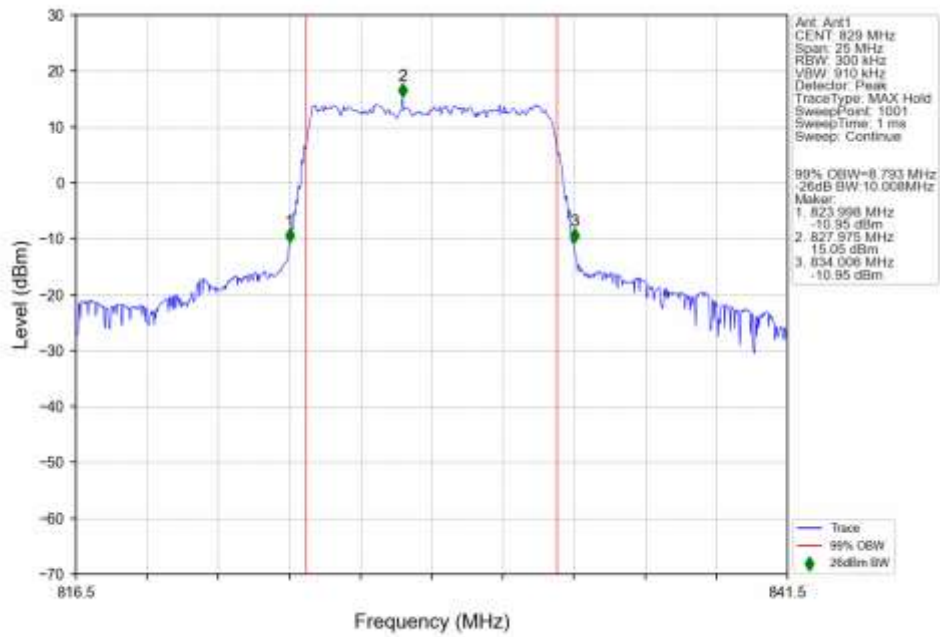
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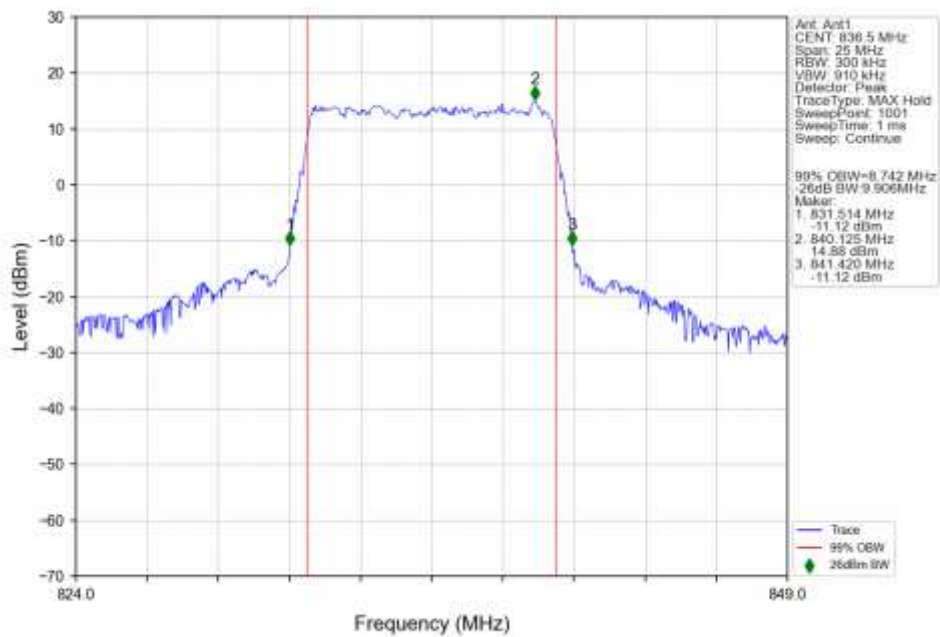
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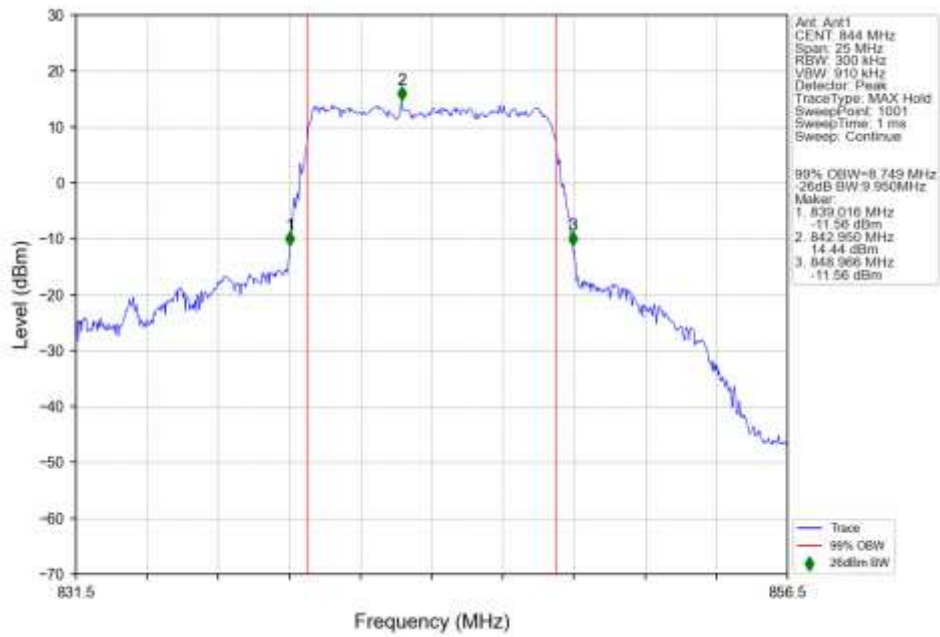
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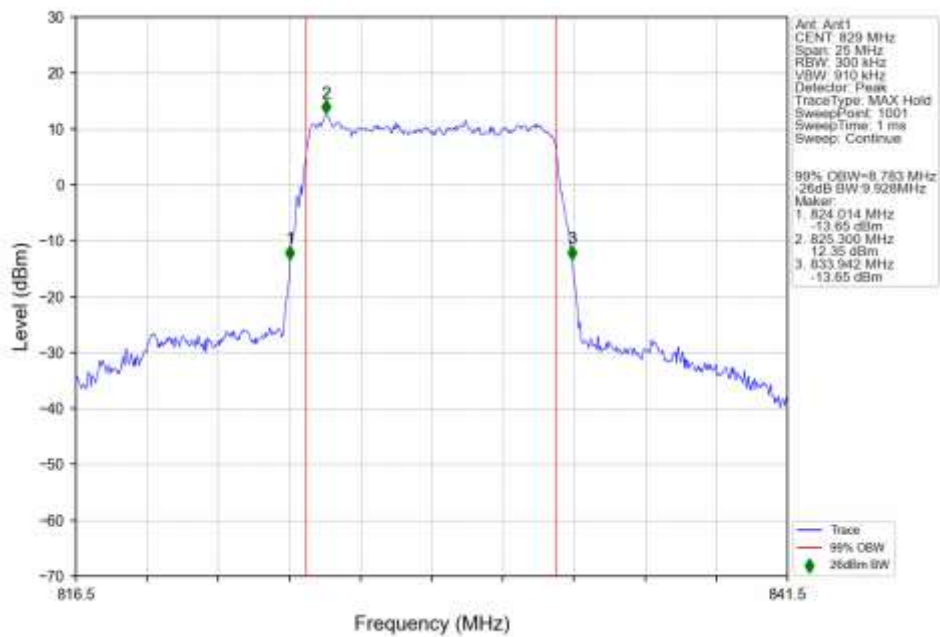
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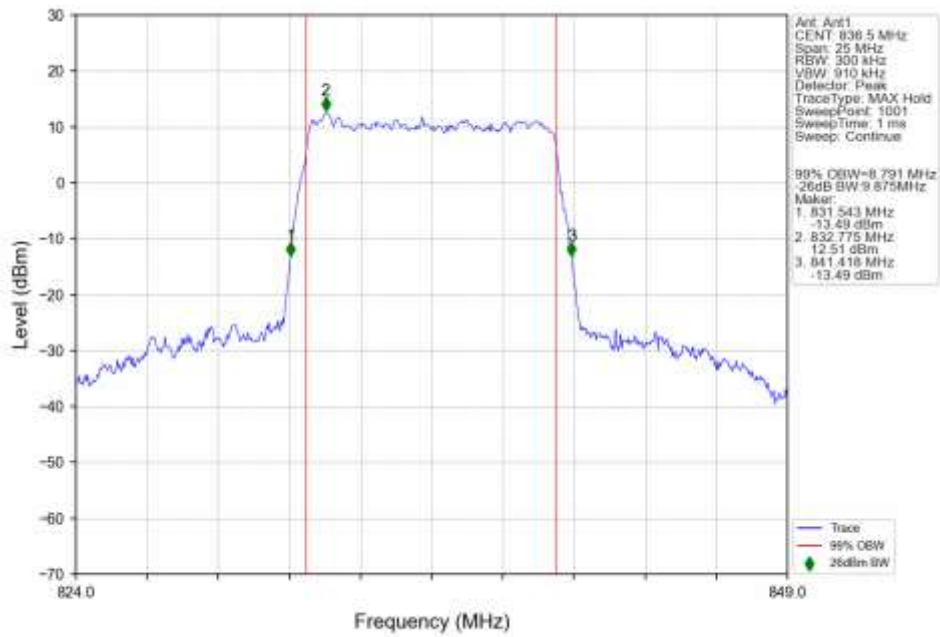
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_844MHz_Outer_Full_Ant1



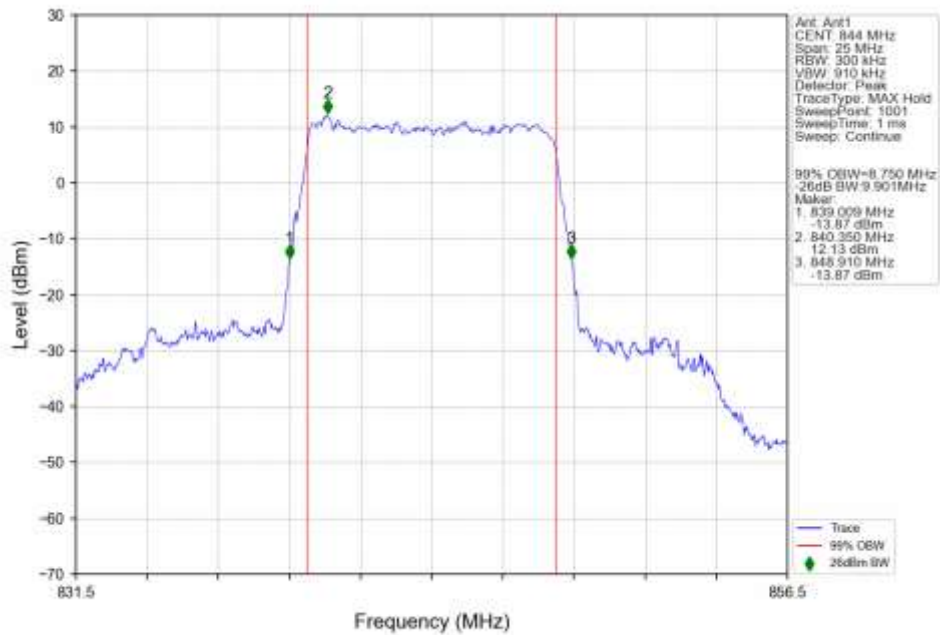
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_829MHz_Outer_Full_Ant1



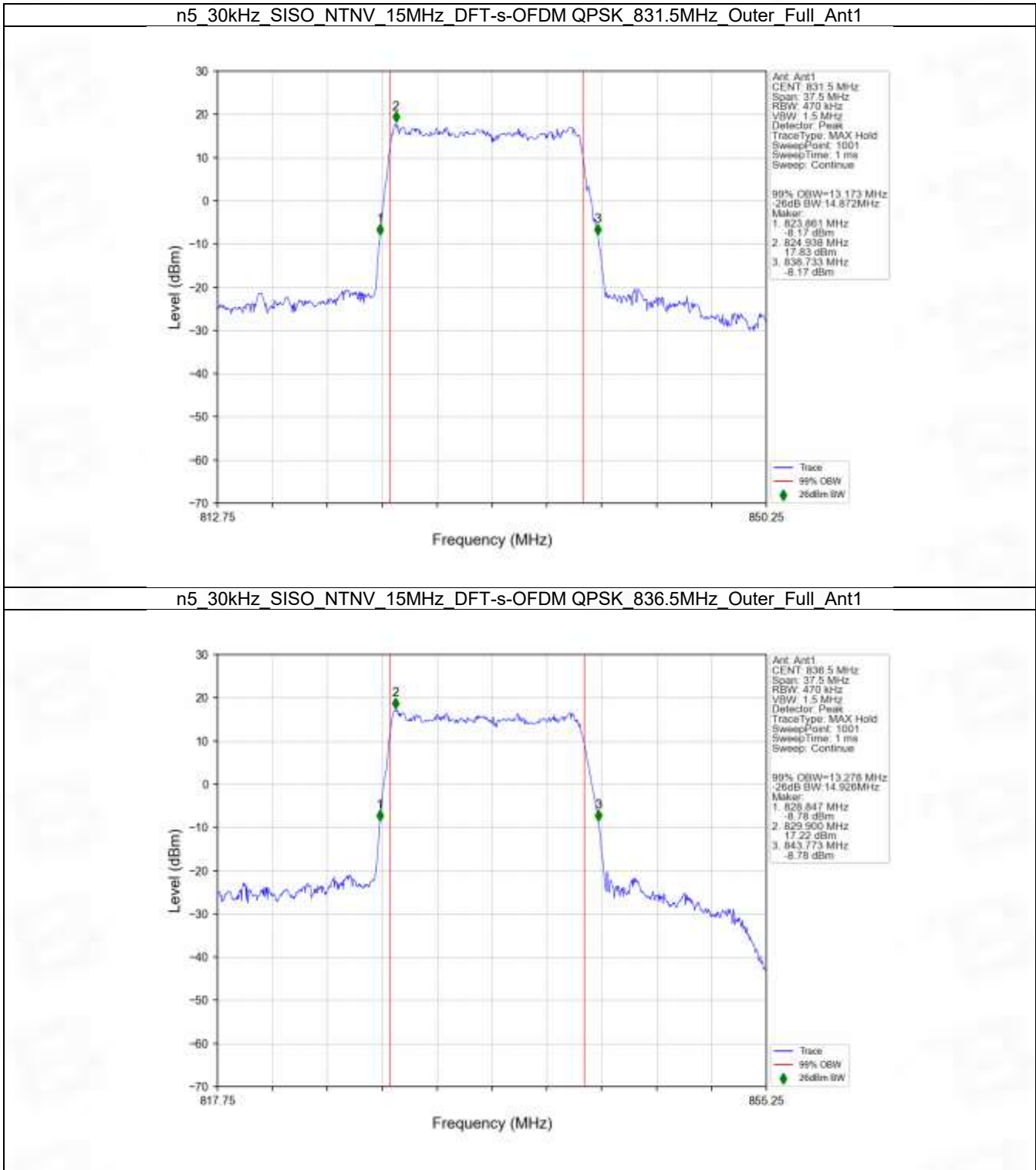
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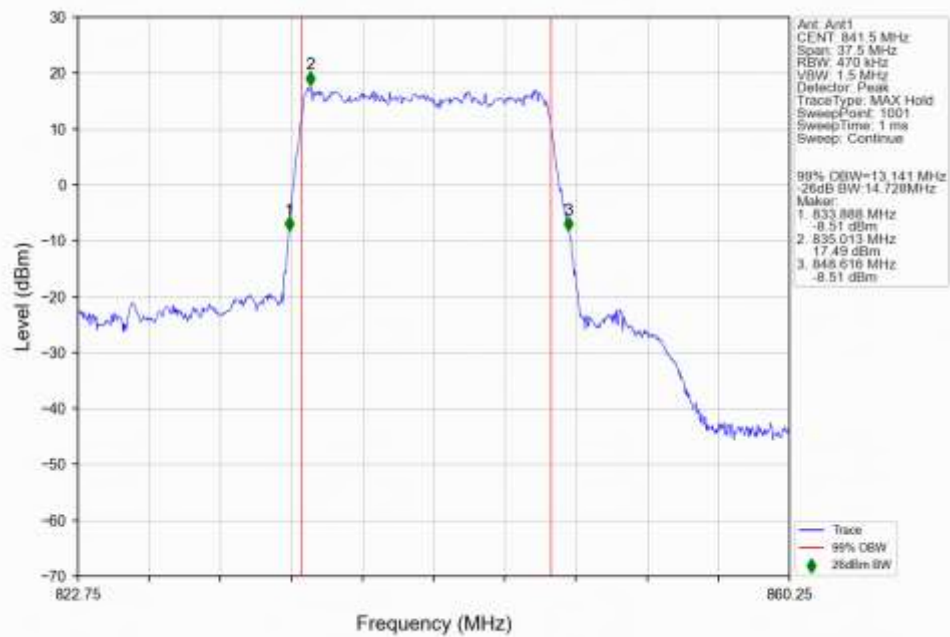
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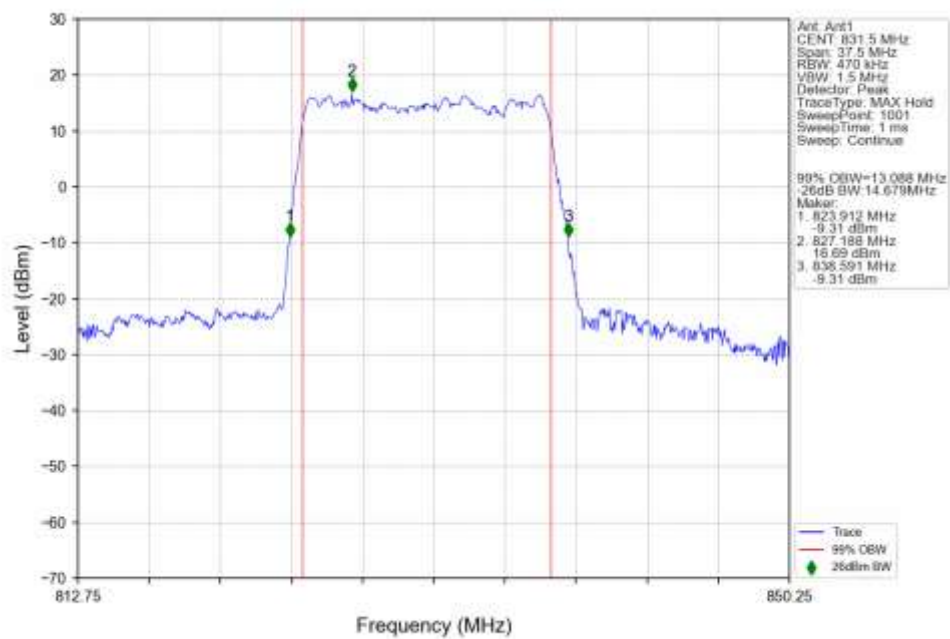
4.2.6 30k_SISO_15MHz_NTNV



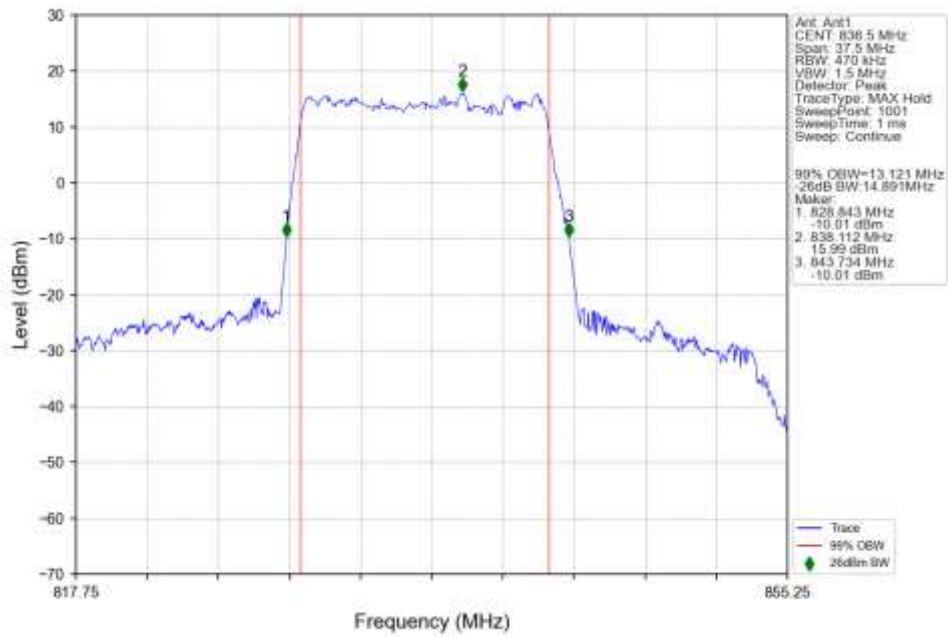
n5 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full Ant1



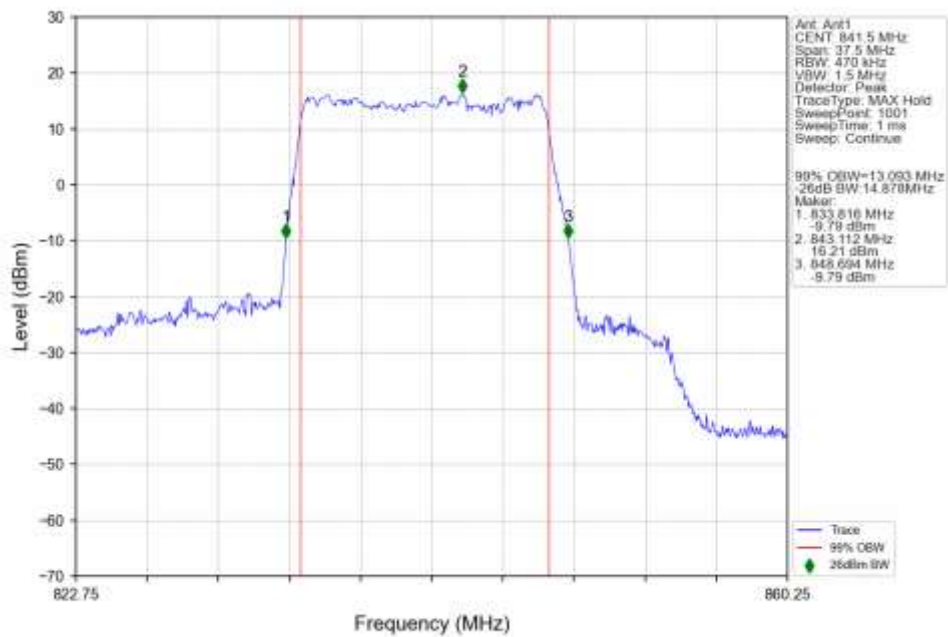
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full Ant1



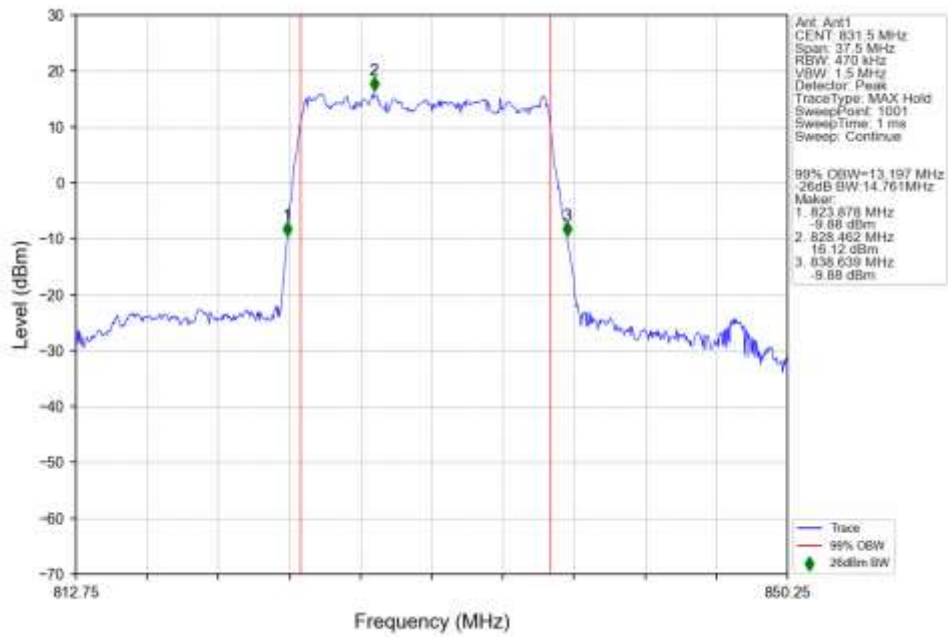
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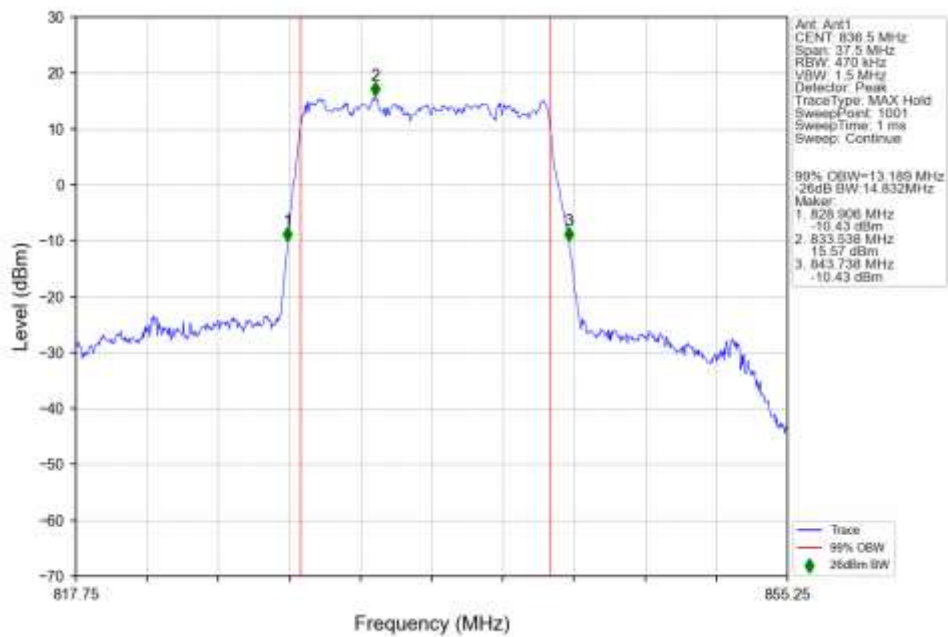
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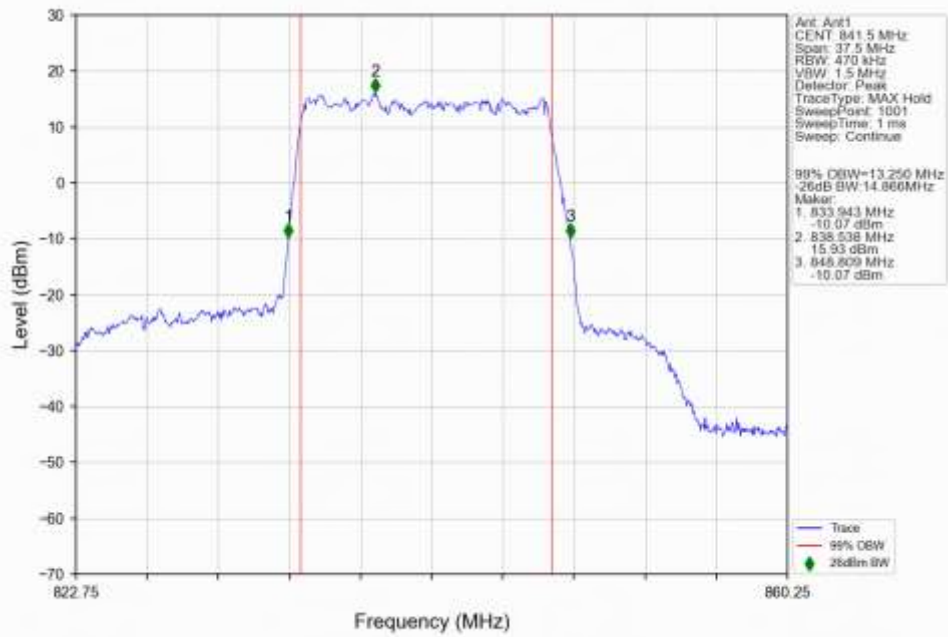
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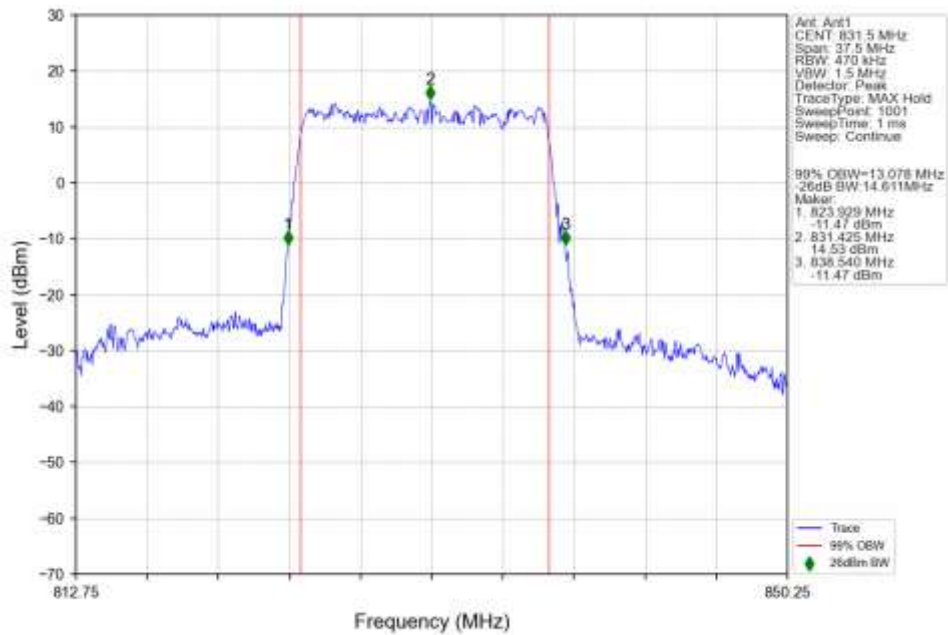
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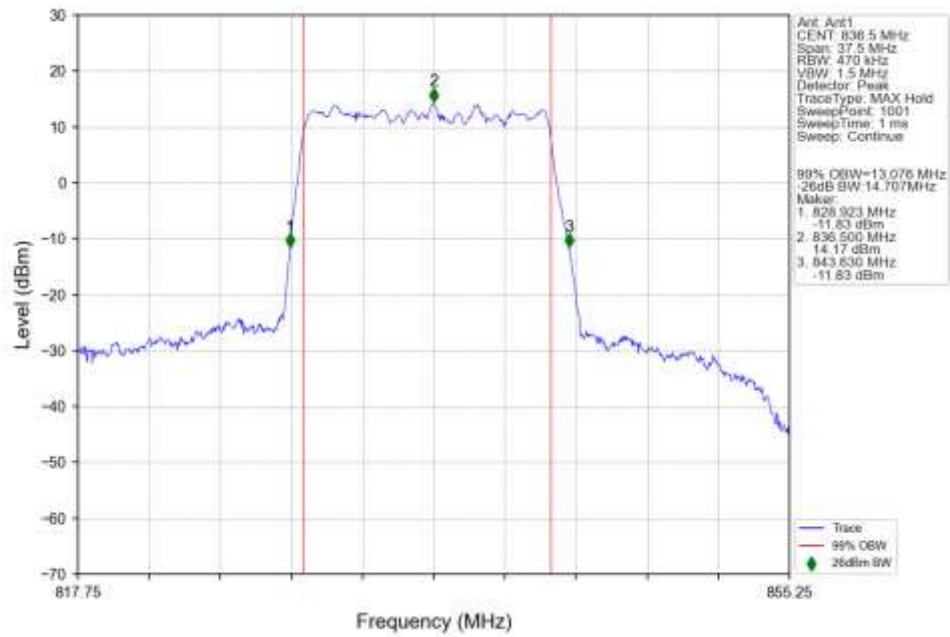
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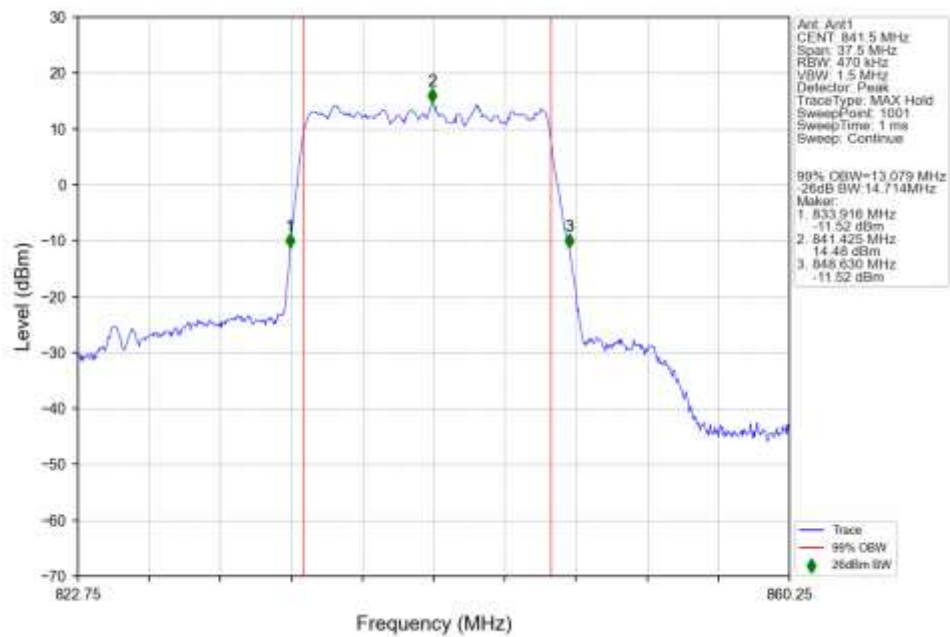
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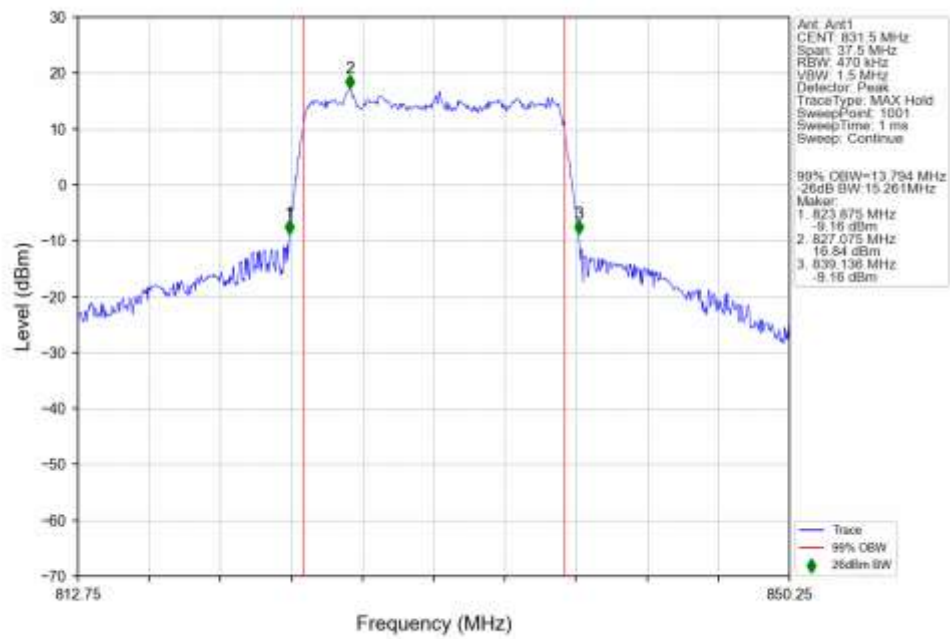
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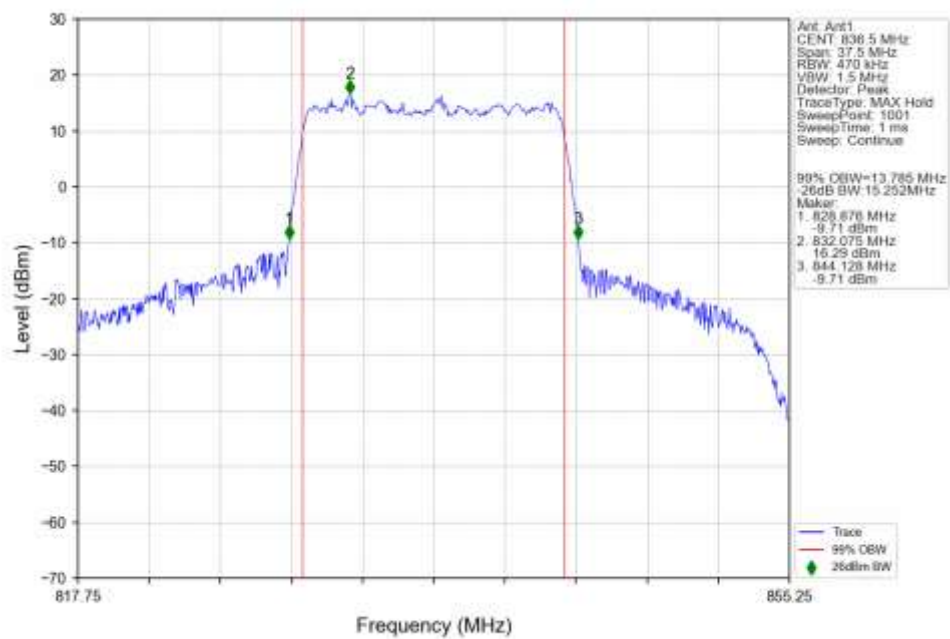
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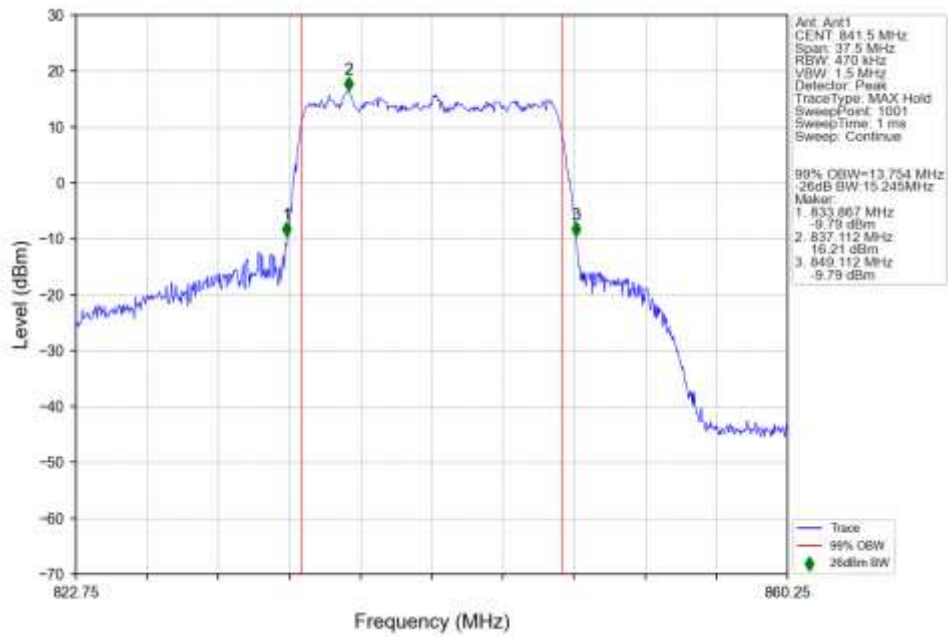
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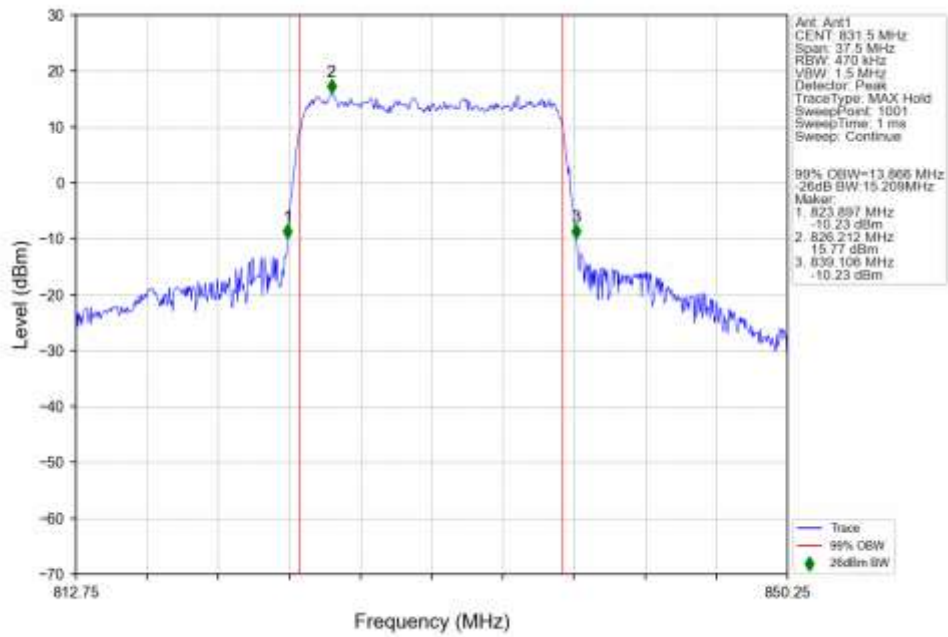
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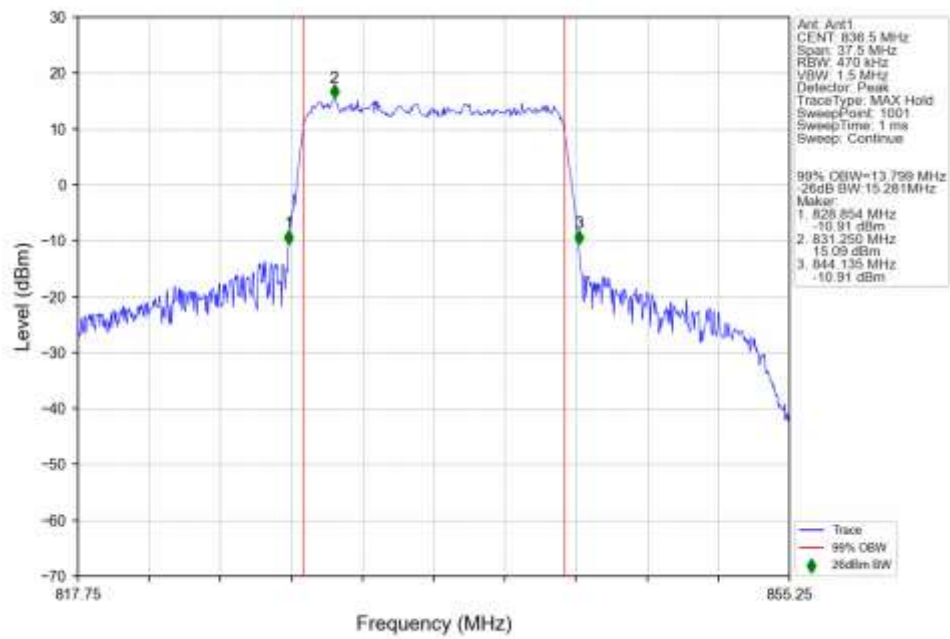
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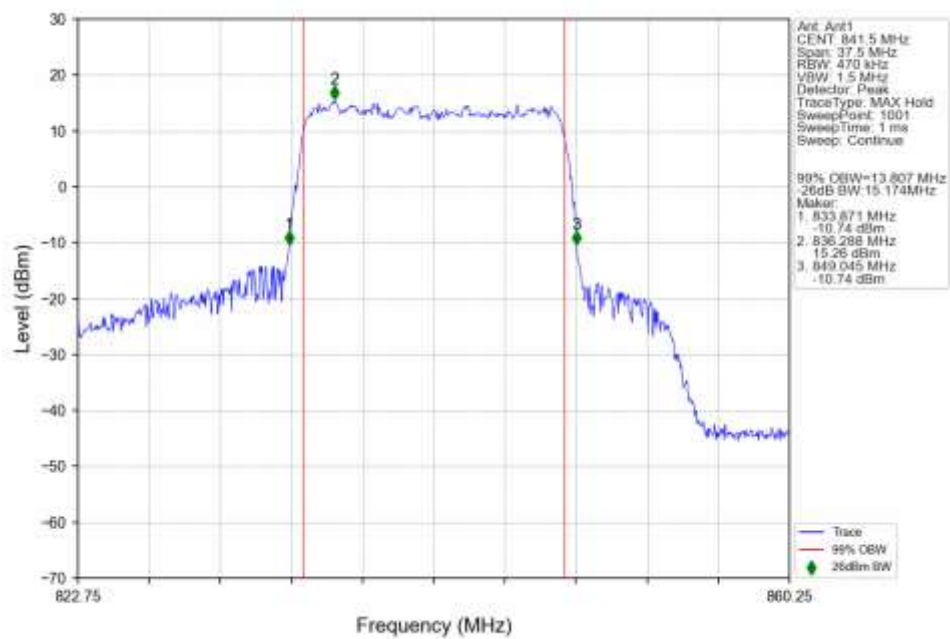
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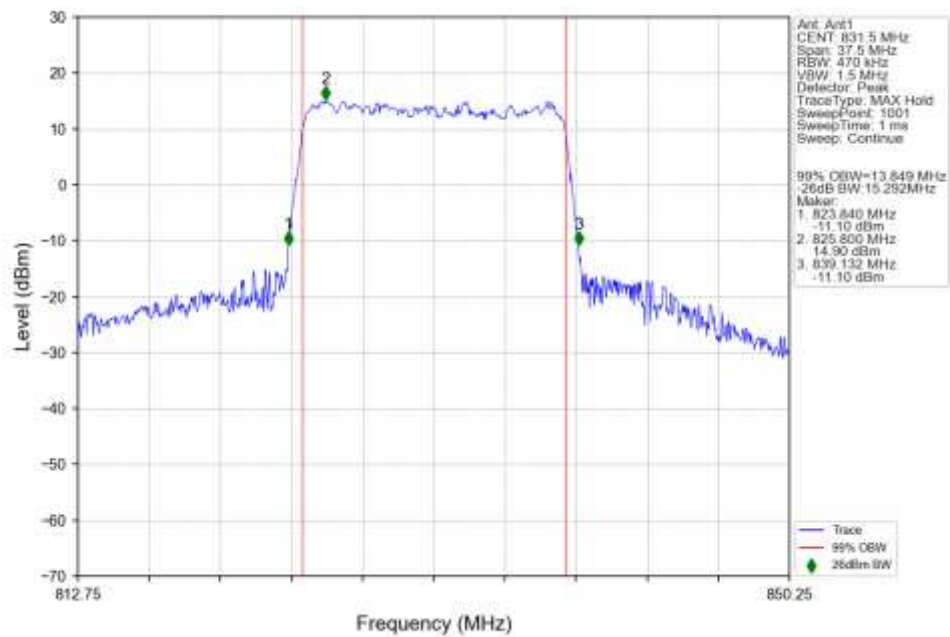
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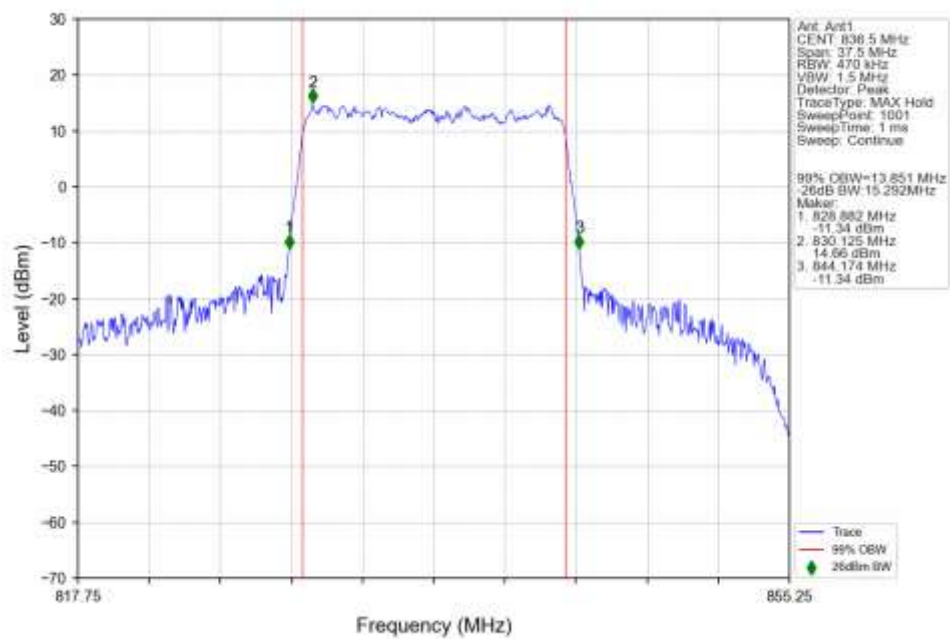
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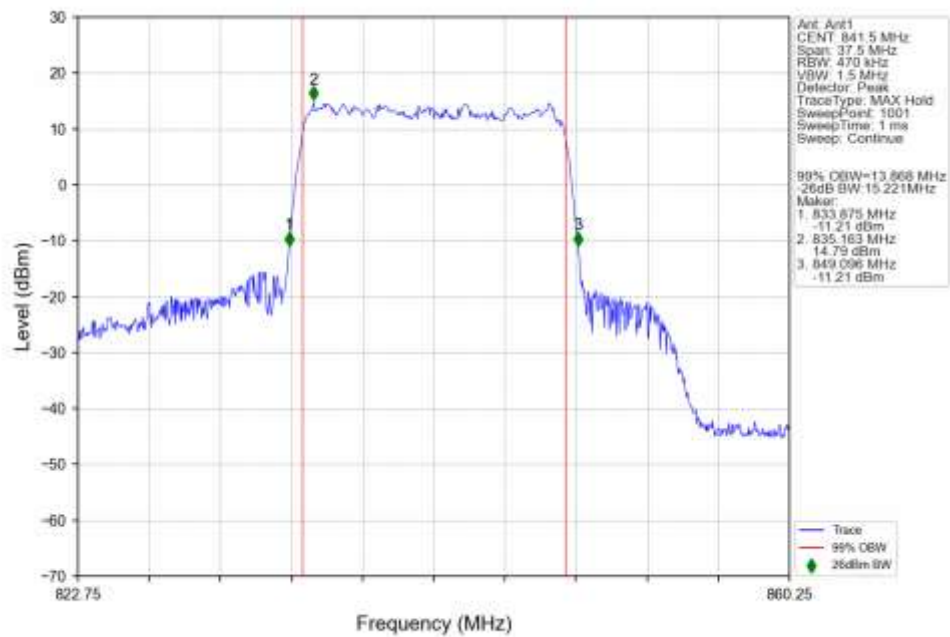
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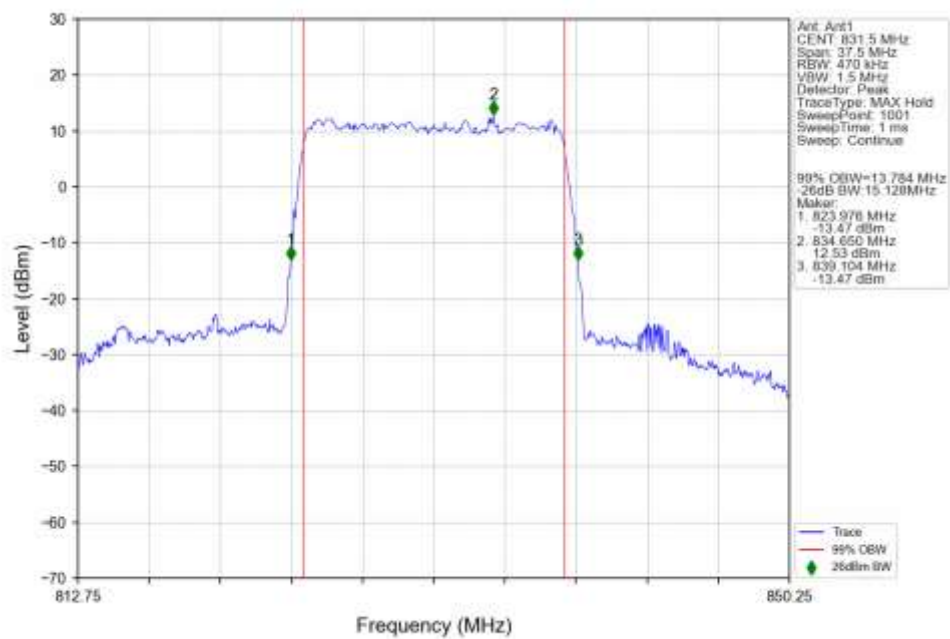
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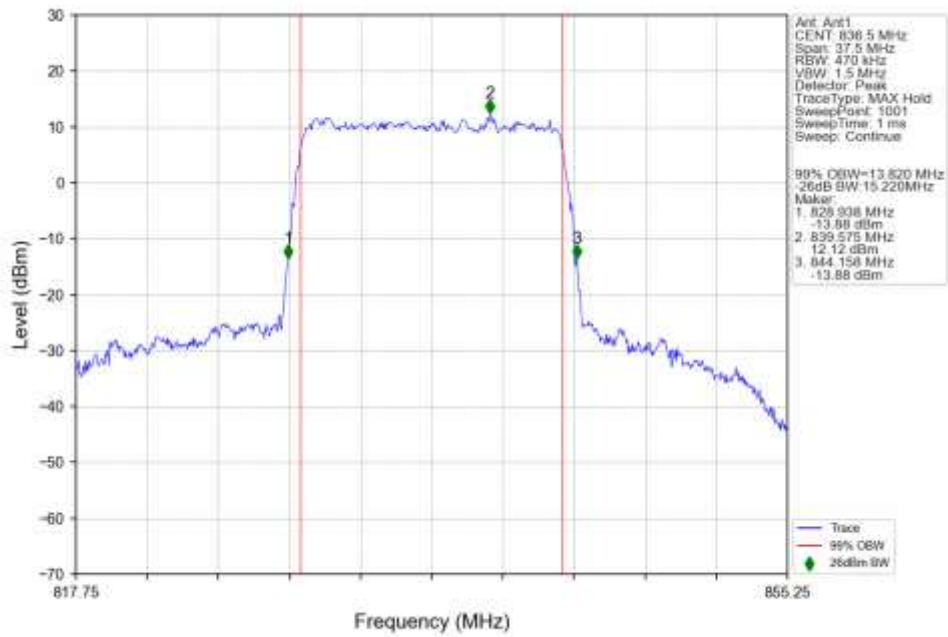
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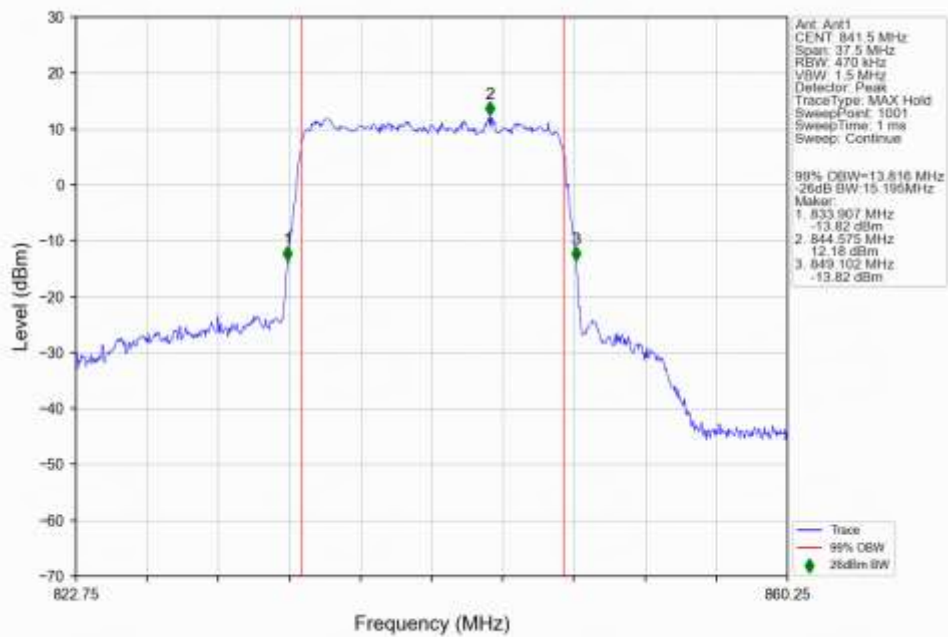
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n5 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant1

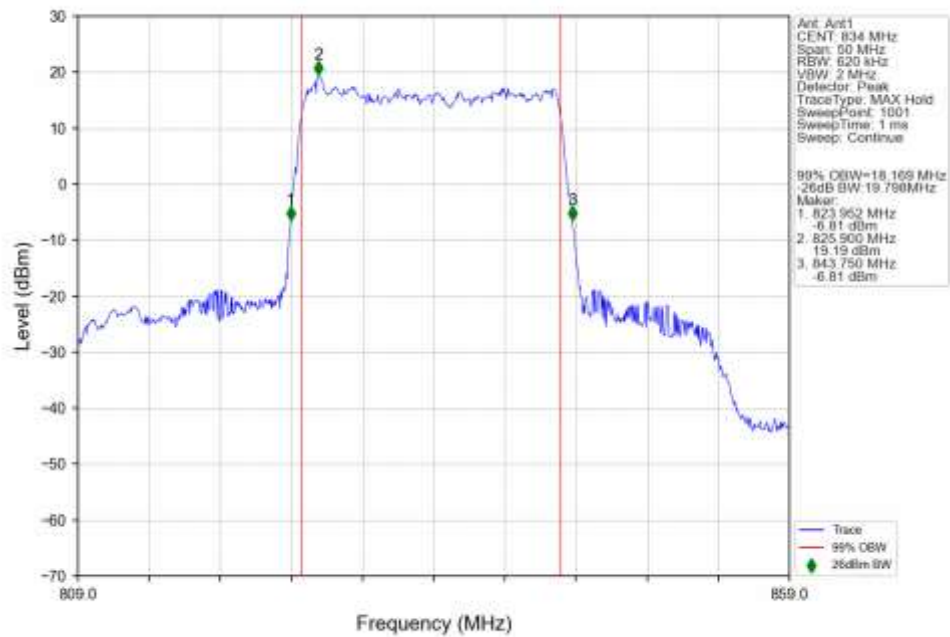


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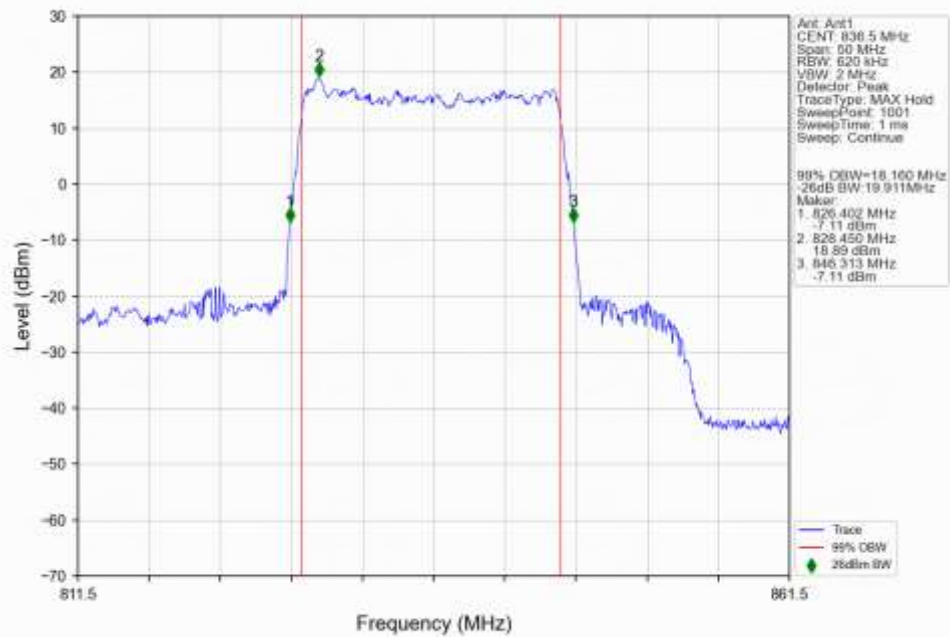


4.2.7 30k_SISO_20MHz_NTNV

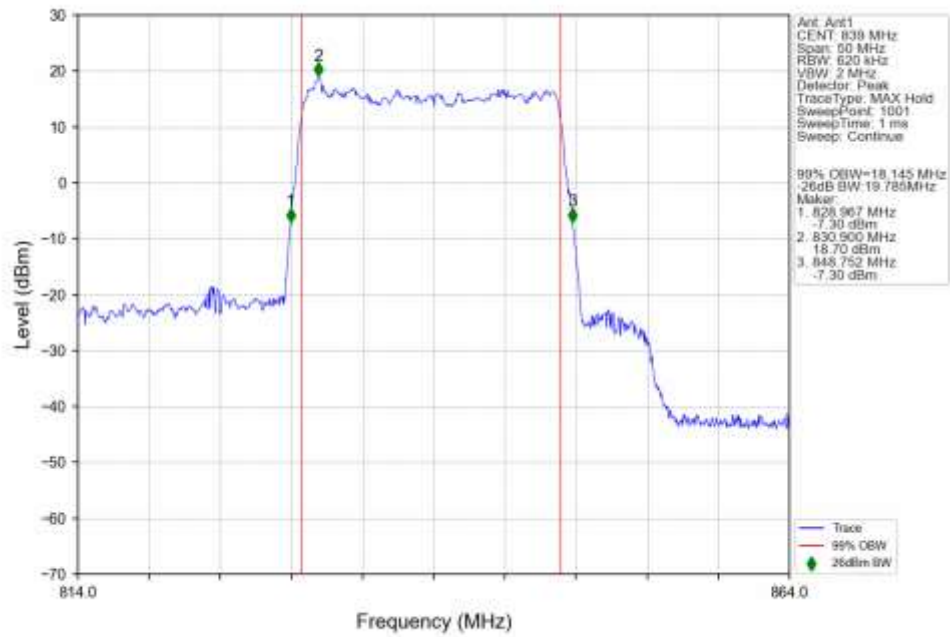
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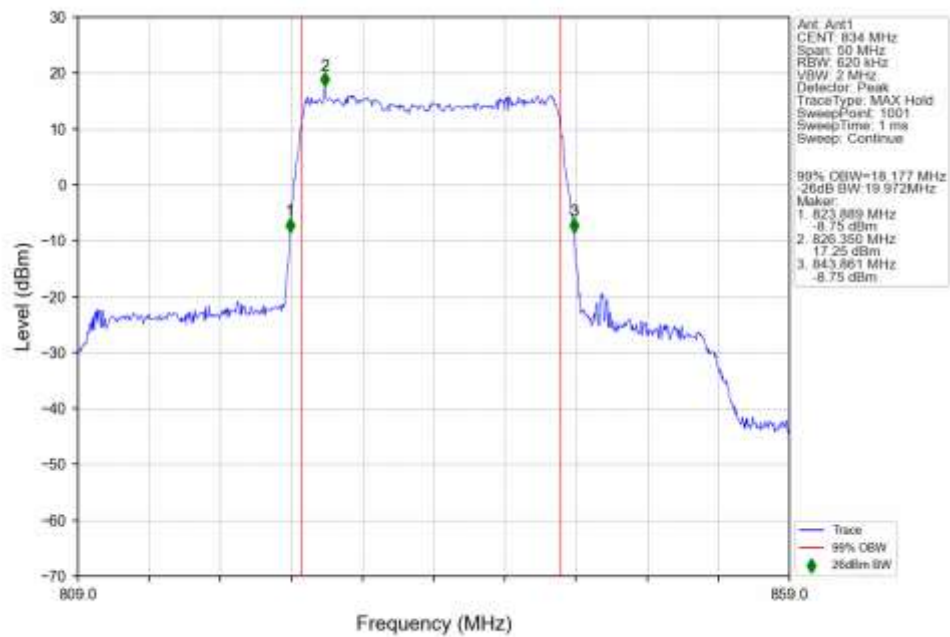
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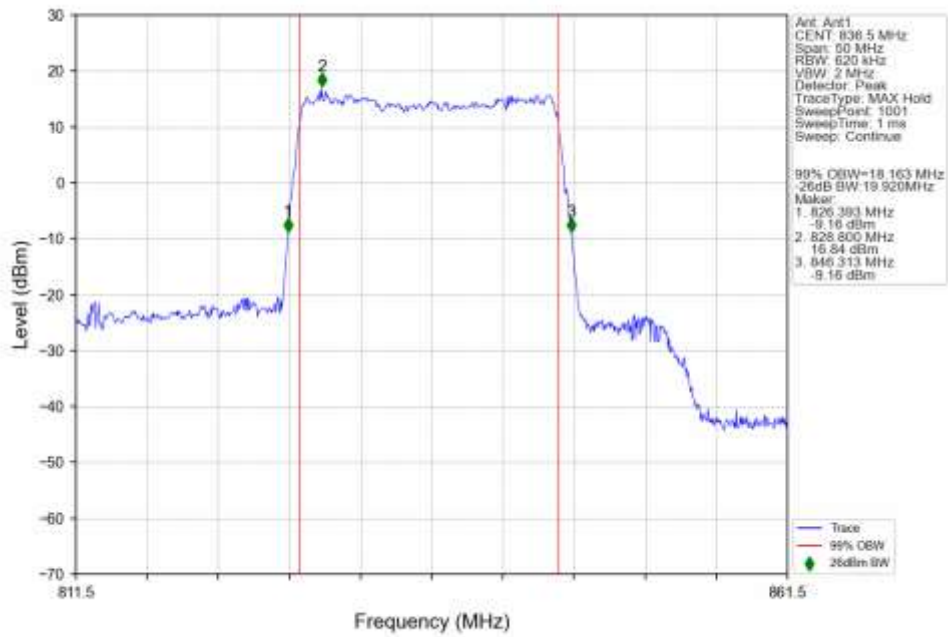
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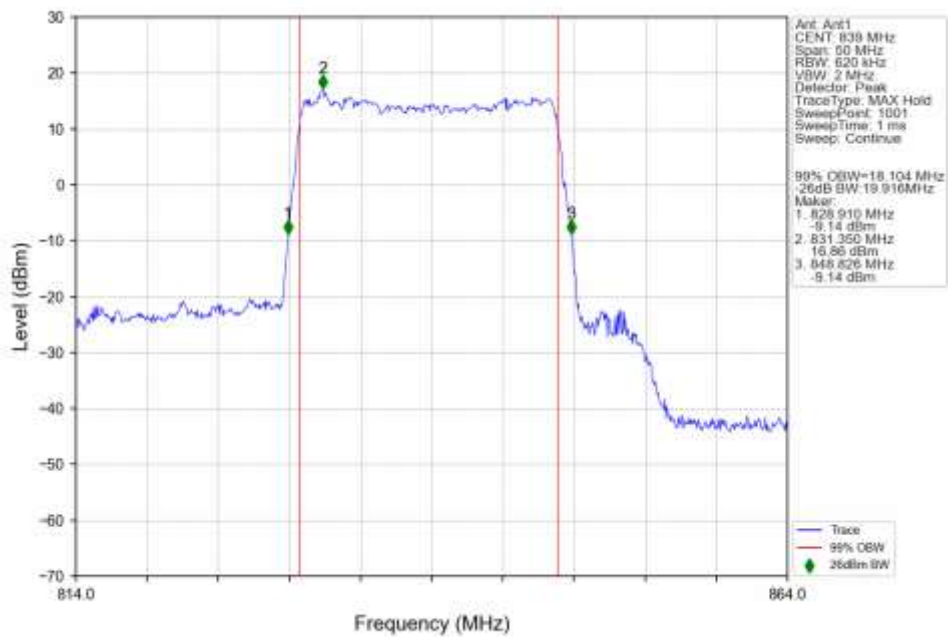
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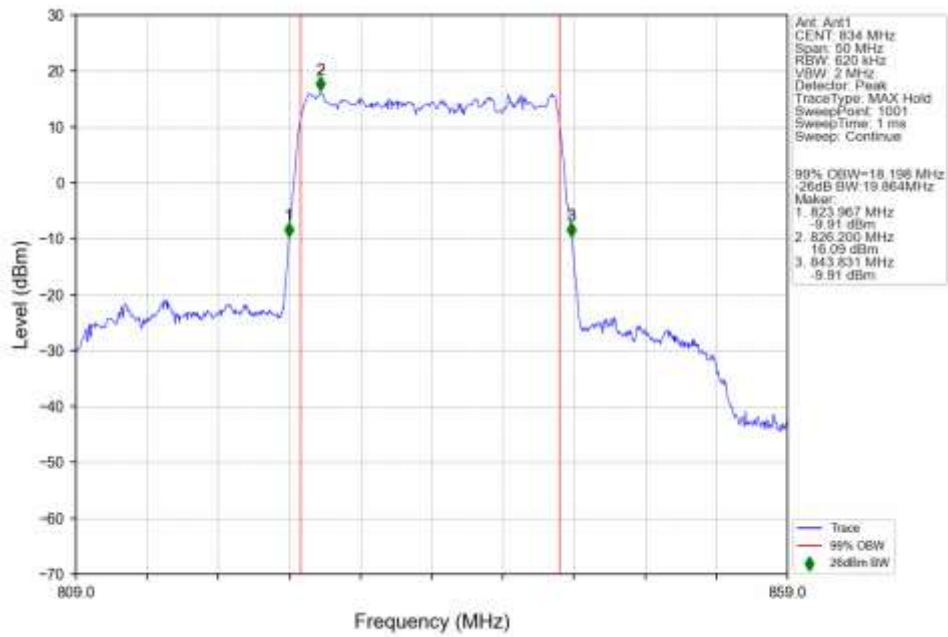
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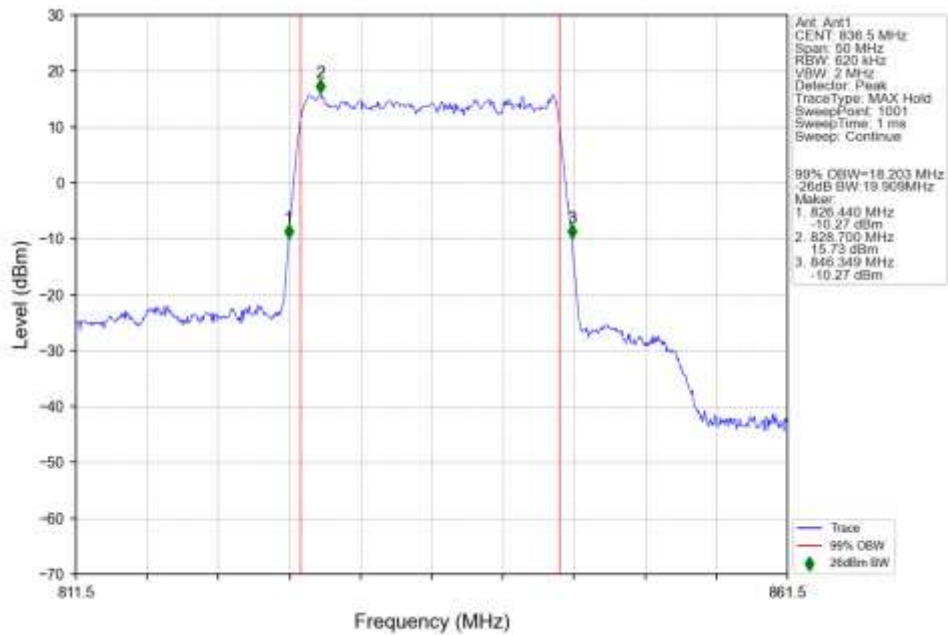
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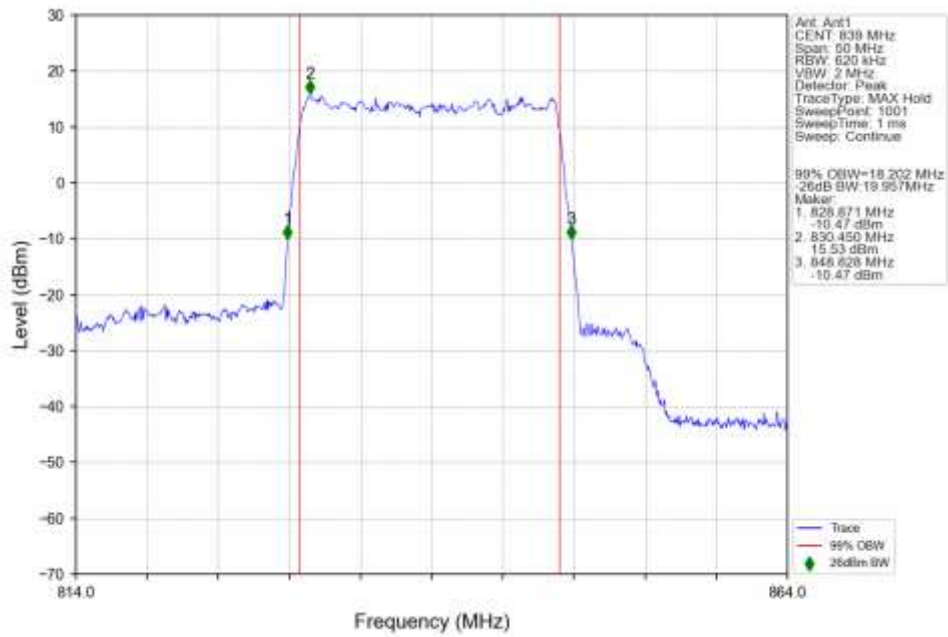
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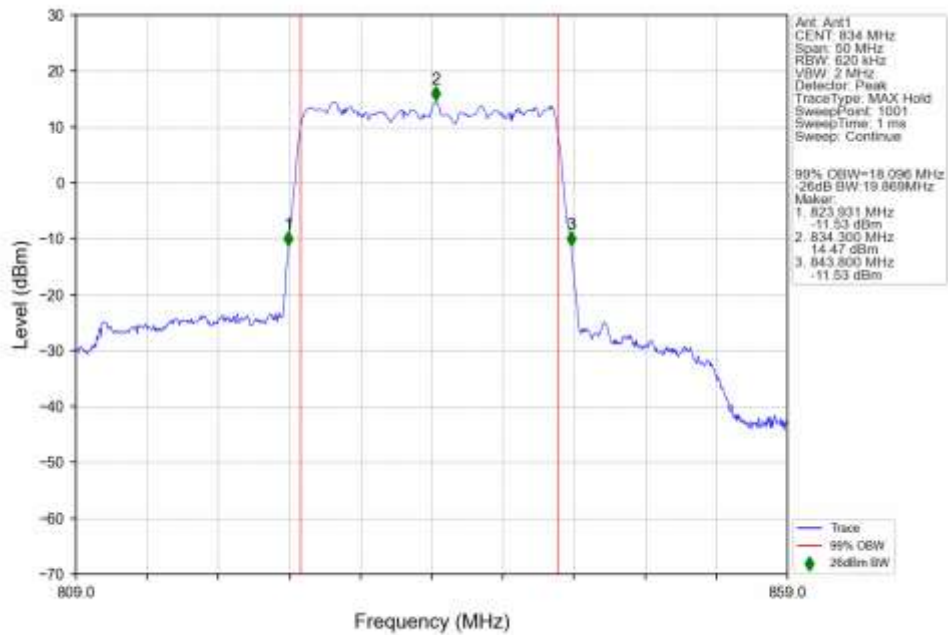
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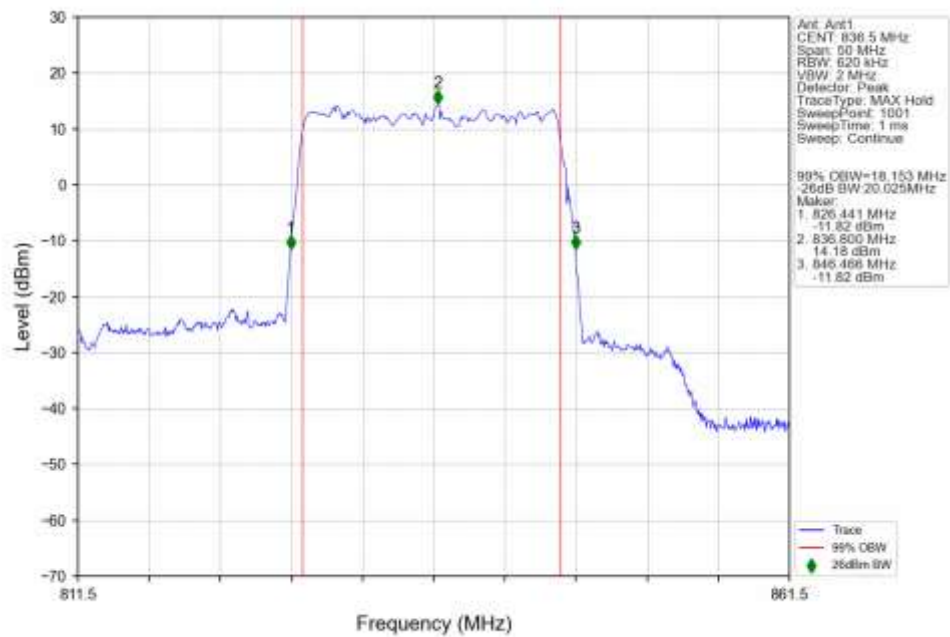
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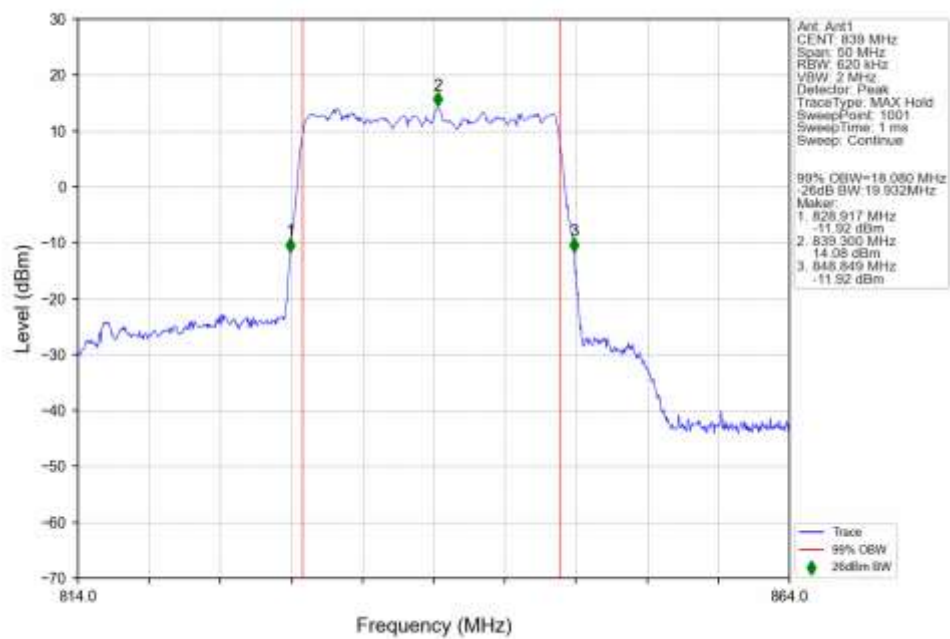
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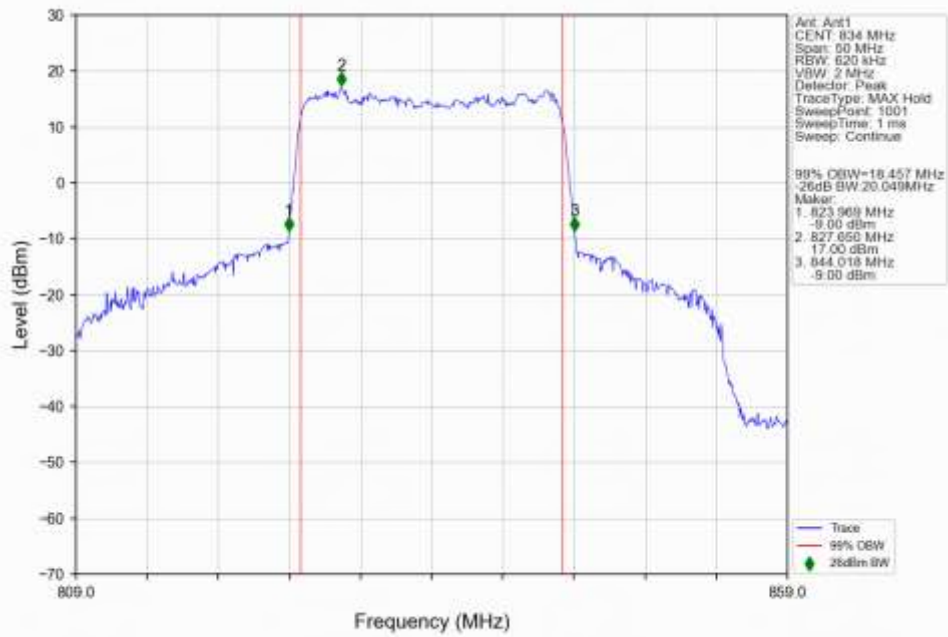
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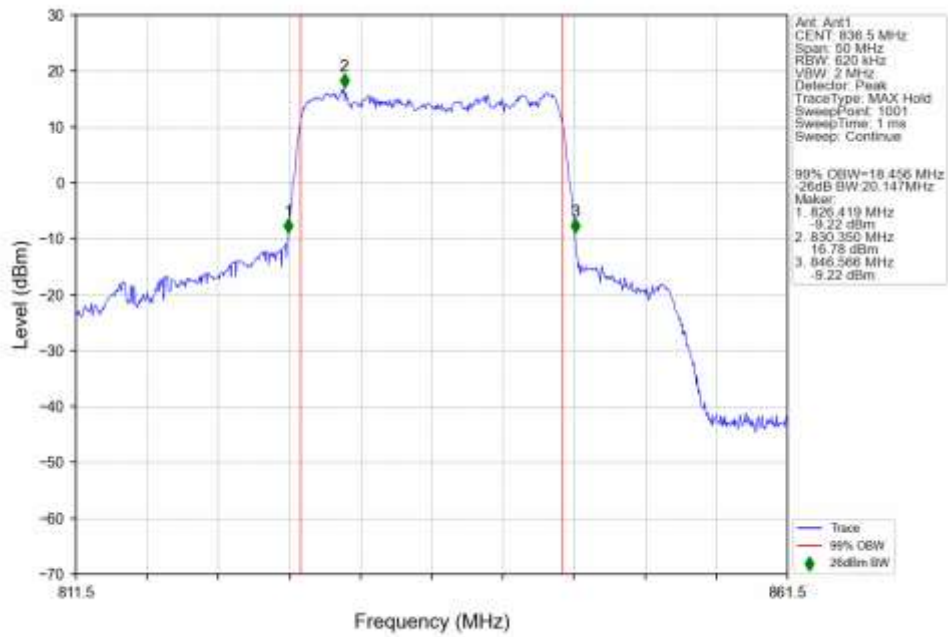
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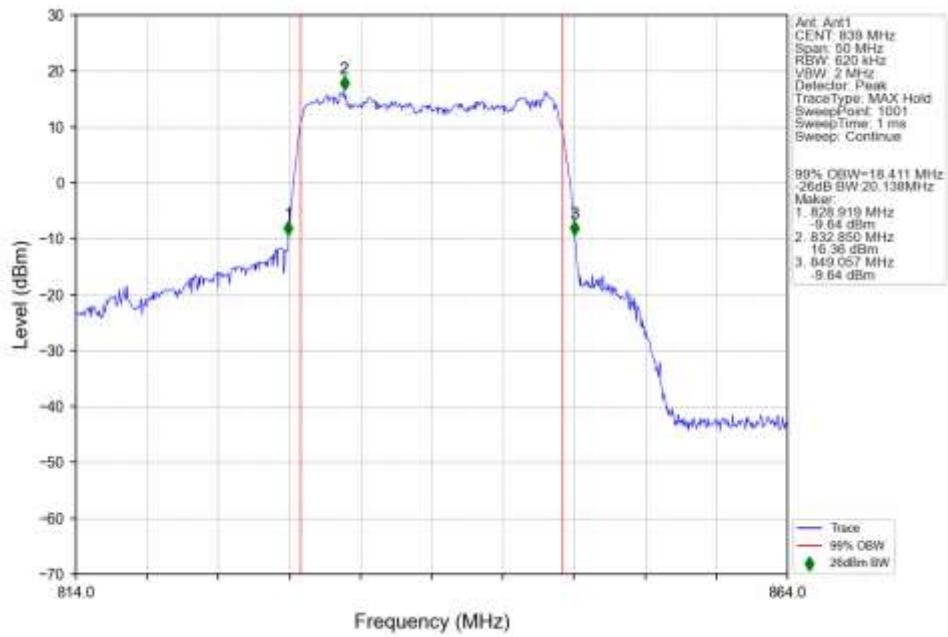
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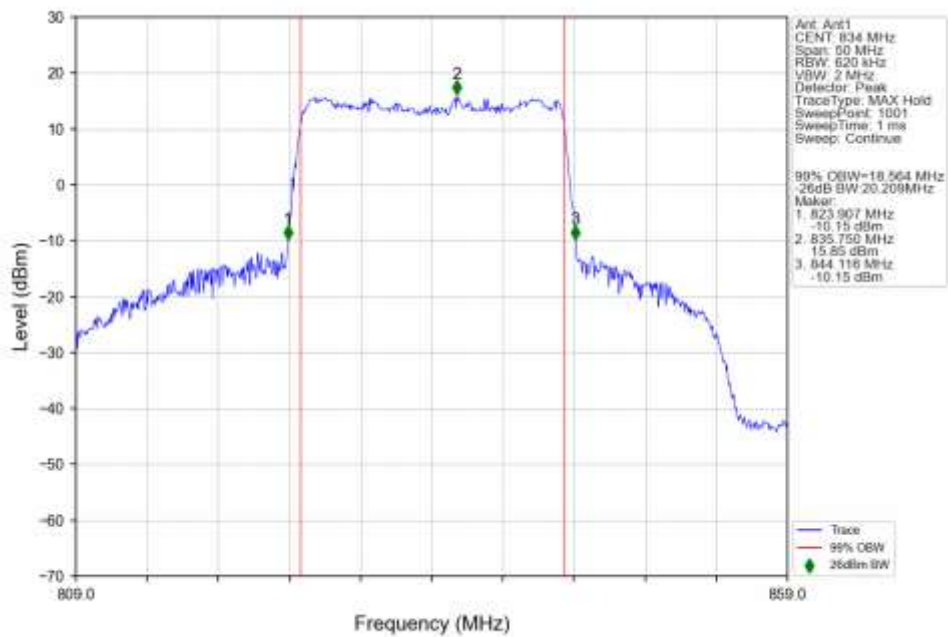
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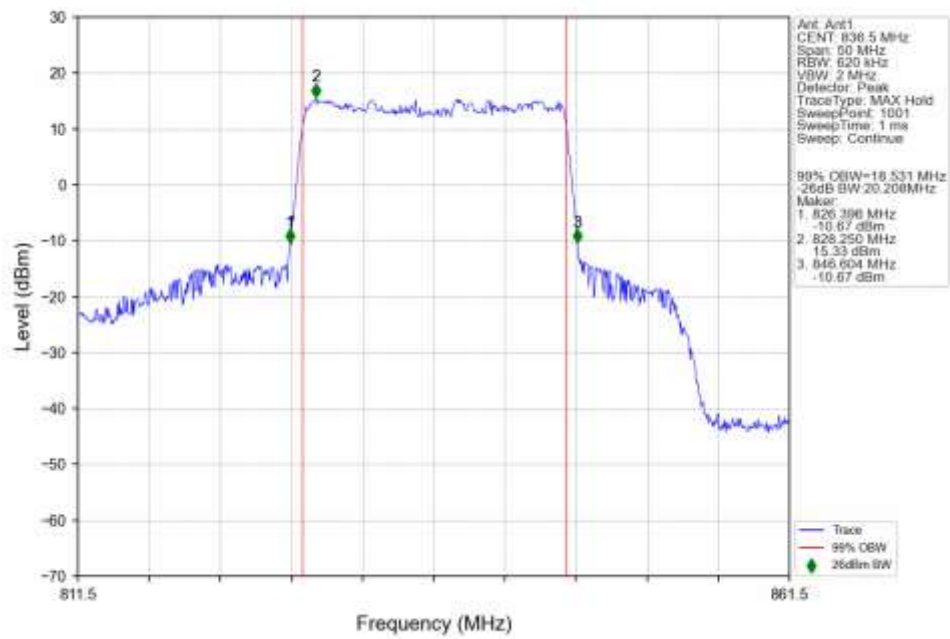
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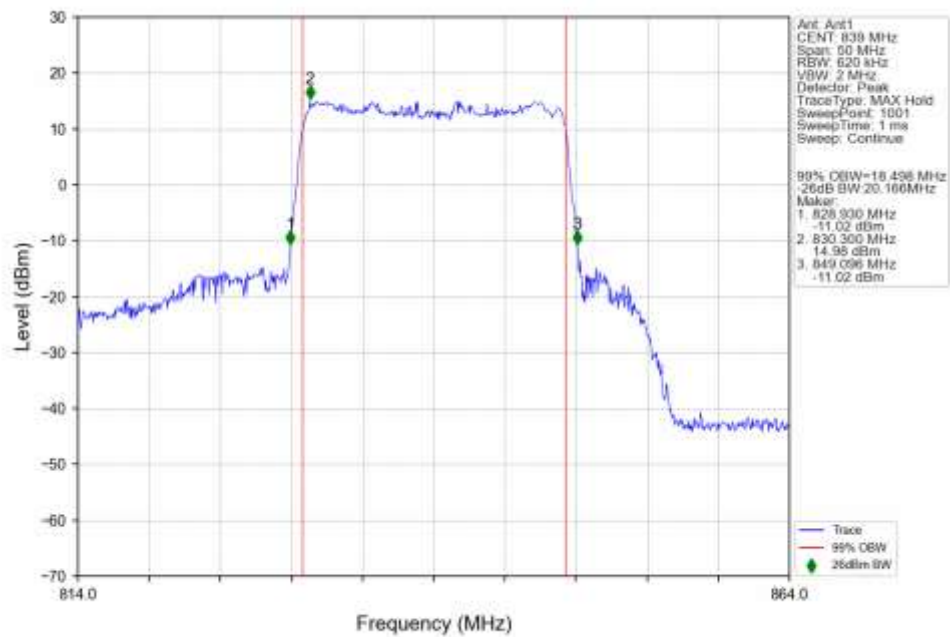
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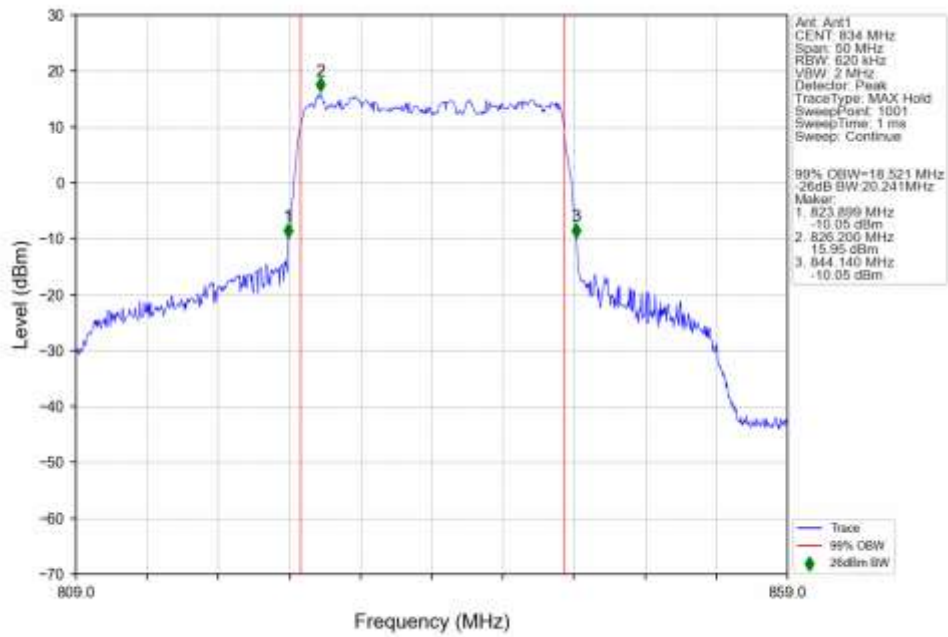
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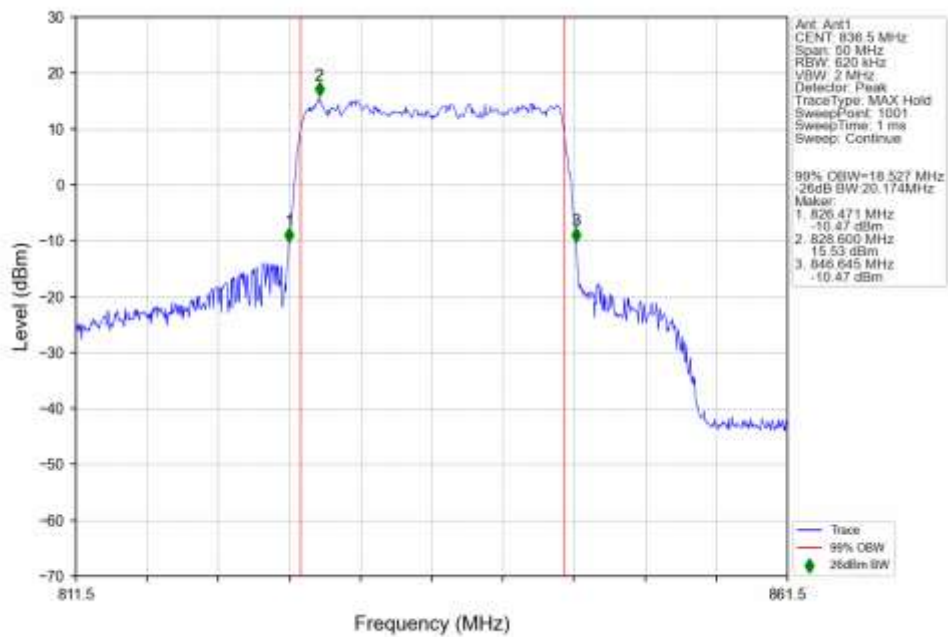
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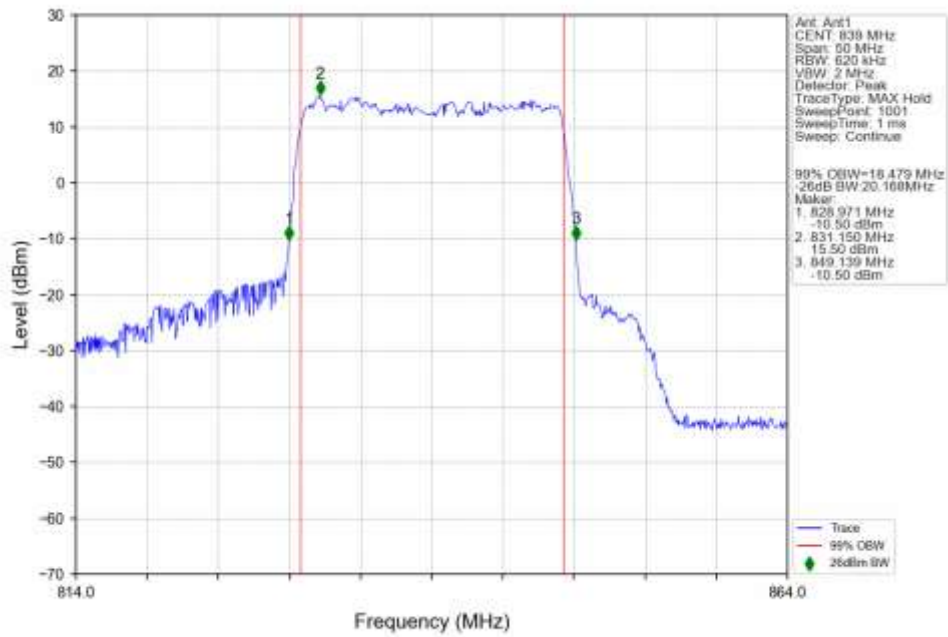
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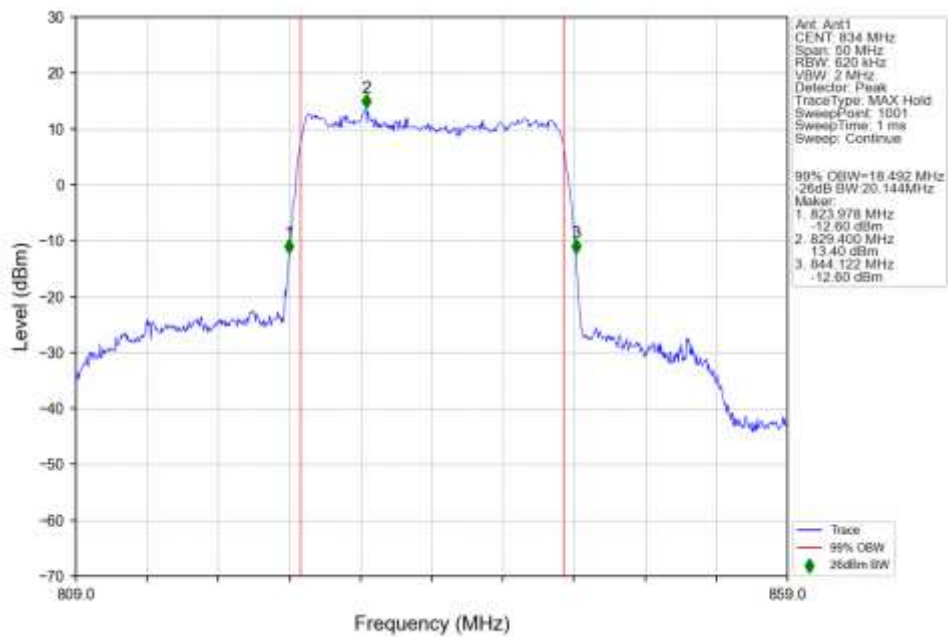
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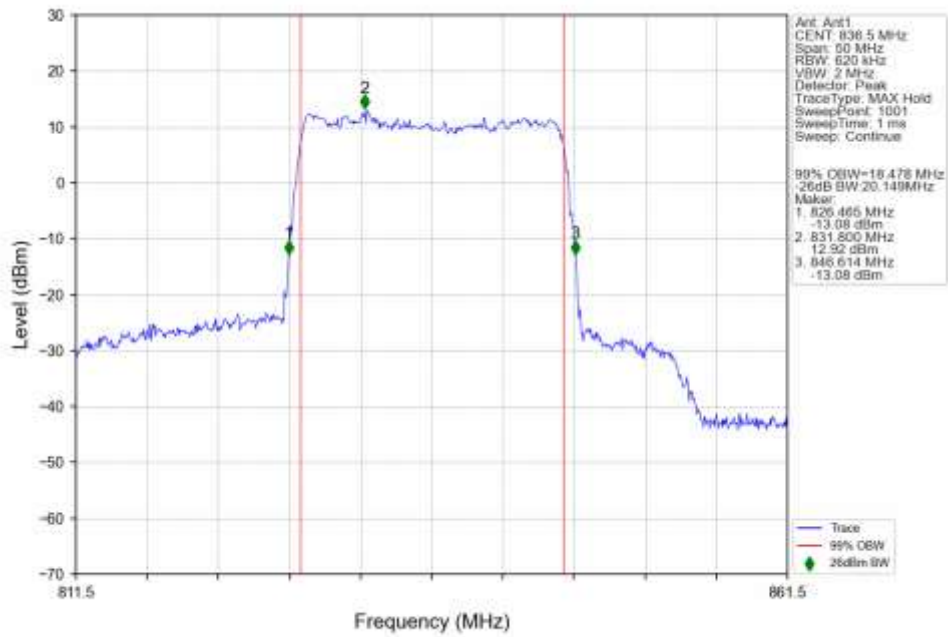
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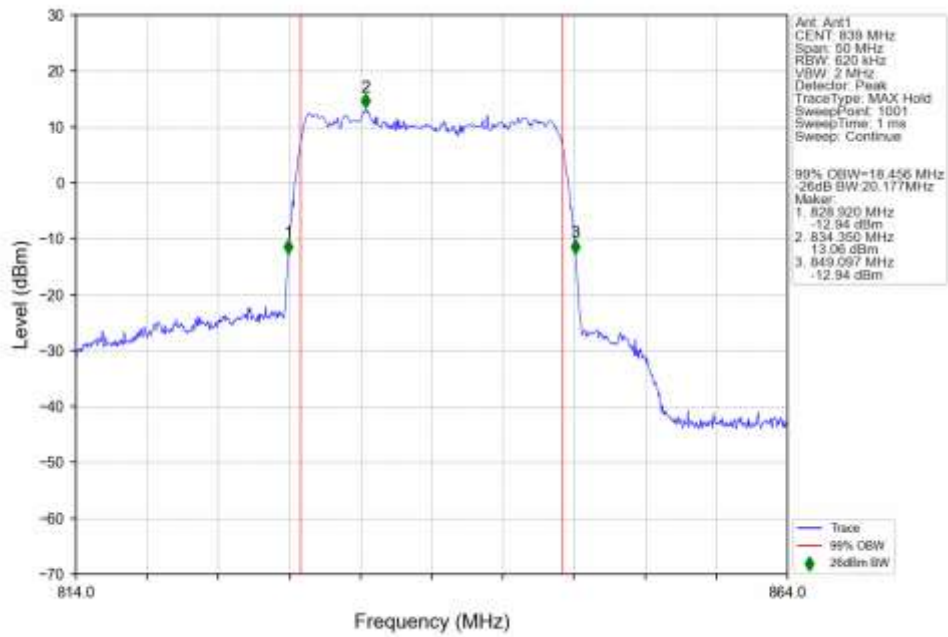
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_834MHz_Outer_Full_Ant1



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 NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	826.5	Outer Full	5.75	/	/	<=13	Pass
	836.5	Outer Full	5.81	/	/	<=13	Pass
	846.5	Outer Full	5.91	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	826.5	Outer Full	6.42	/	/	<=13	Pass
	836.5	Outer Full	6.46	/	/	<=13	Pass
	846.5	Outer Full	6.55	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	826.5	Outer Full	6.58	/	/	<=13	Pass
	836.5	Outer Full	6.61	/	/	<=13	Pass
	846.5	Outer Full	6.65	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	826.5	Outer Full	6.98	/	/	<=13	Pass
	836.5	Outer Full	7.01	/	/	<=13	Pass
	846.5	Outer Full	7.03	/	/	<=13	Pass
CP-OFDM QPSK	826.5	Outer Full	7.88	/	/	<=13	Pass
	836.5	Outer Full	8.01	/	/	<=13	Pass
	846.5	Outer Full	8.16	/	/	<=13	Pass
CP-OFDM 16 QAM	826.5	Outer Full	8.15	/	/	<=13	Pass
	836.5	Outer Full	11.47	/	/	<=13	Pass
	846.5	Outer Full	8.30	/	/	<=13	Pass
CP-OFDM 64 QAM	826.5	Outer Full	8.32	/	/	<=13	Pass
	836.5	Outer Full	8.43	/	/	<=13	Pass
	846.5	Outer Full	8.61	/	/	<=13	Pass
CP-OFDM 256 QAM	826.5	Outer Full	8.64	/	/	<=13	Pass
	836.5	Outer Full	10.45	/	/	<=13	Pass
	846.5	Outer Full	8.71	/	/	<=13	Pass

5.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	829	Outer Full	5.66	/	/	<=13	Pass
	836.5	Outer Full	5.67	/	/	<=13	Pass
	844	Outer Full	5.69	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer Full	6.49	/	/	<=13	Pass
	836.5	Outer Full	6.53	/	/	<=13	Pass
	844	Outer Full	6.54	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer Full	6.67	/	/	<=13	Pass
	836.5	Outer Full	6.68	/	/	<=13	Pass
	844	Outer Full	6.70	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	829	Outer Full	6.72	/	/	<=13	Pass
	836.5	Outer Full	6.71	/	/	<=13	Pass
	844	Outer Full	6.71	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer Full	7.99	/	/	<=13	Pass
	836.5	Outer Full	8.06	/	/	<=13	Pass
	844	Outer Full	8.15	/	/	<=13	Pass

CP-OFDM 16 QAM	829	Outer Full	8.33	/	/	<=13	Pass
	836.5	Outer Full	8.35	/	/	<=13	Pass
	844	Outer Full	8.46	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer Full	8.30	/	/	<=13	Pass
	836.5	Outer Full	8.33	/	/	<=13	Pass
	844	Outer Full	8.46	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer Full	8.61	/	/	<=13	Pass
	836.5	Outer Full	8.67	/	/	<=13	Pass
	844	Outer Full	8.70	/	/	<=13	Pass

5.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	831.5	Outer Full	5.60	/	/	<=13	Pass
	836.5	Outer Full	5.64	/	/	<=13	Pass
	841.5	Outer Full	5.76	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer Full	6.37	/	/	<=13	Pass
	836.5	Outer Full	6.44	/	/	<=13	Pass
	841.5	Outer Full	6.55	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	831.5	Outer Full	6.57	/	/	<=13	Pass
	836.5	Outer Full	6.62	/	/	<=13	Pass
	841.5	Outer Full	6.73	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	831.5	Outer Full	6.75	/	/	<=13	Pass
	836.5	Outer Full	6.76	/	/	<=13	Pass
	841.5	Outer Full	6.76	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer Full	7.69	/	/	<=13	Pass
	836.5	Outer Full	7.85	/	/	<=13	Pass
	841.5	Outer Full	8.06	/	/	<=13	Pass
CP-OFDM 16 QAM	831.5	Outer Full	7.98	/	/	<=13	Pass
	836.5	Outer Full	8.15	/	/	<=13	Pass
	841.5	Outer Full	8.30	/	/	<=13	Pass
CP-OFDM 64 QAM	831.5	Outer Full	8.02	/	/	<=13	Pass
	836.5	Outer Full	12.33	/	/	<=13	Pass
	841.5	Outer Full	8.26	/	/	<=13	Pass
CP-OFDM 256 QAM	831.5	Outer Full	8.67	/	/	<=13	Pass
	836.5	Outer Full	8.54	/	/	<=13	Pass
	841.5	Outer Full	8.72	/	/	<=13	Pass

5.1.4 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Outer Full	5.65	/	/	<=13	Pass
	836.5	Outer Full	5.65	/	/	<=13	Pass
	839	Outer Full	5.76	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer Full	6.38	/	/	<=13	Pass
	836.5	Outer Full	6.38	/	/	<=13	Pass
	839	Outer Full	6.45	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer Full	6.65	/	/	<=13	Pass
	836.5	Outer Full	6.64	/	/	<=13	Pass
	839	Outer Full	6.71	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer Full	6.74	/	/	<=13	Pass
	836.5	Outer Full	6.73	/	/	<=13	Pass

CP-OFDM QPSK	839	Outer_Full	6.75	/	/	<=13	Pass
	834	Outer_Full	7.87	/	/	<=13	Pass
	836.5	Outer_Full	7.88	/	/	<=13	Pass
	839	Outer_Full	8.12	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer_Full	8.06	/	/	<=13	Pass
	836.5	Outer_Full	8.31	/	/	<=13	Pass
	839	Outer_Full	8.28	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer_Full	8.27	/	/	<=13	Pass
	836.5	Outer_Full	8.27	/	/	<=13	Pass
	839	Outer_Full	8.41	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer_Full	8.61	/	/	<=13	Pass
	836.5	Outer_Full	8.64	/	/	<=13	Pass
	839	Outer_Full	8.66	/	/	<=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	5.73	/	/	<=13	Pass
	836.5	Outer_Full	5.72	/	/	<=13	Pass
	844	Outer_Full	5.81	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	6.56	/	/	<=13	Pass
	836.5	Outer_Full	6.56	/	/	<=13	Pass
	844	Outer_Full	6.58	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	6.74	/	/	<=13	Pass
	836.5	Outer_Full	6.75	/	/	<=13	Pass
	844	Outer_Full	6.81	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	6.99	/	/	<=13	Pass
	836.5	Outer_Full	6.98	/	/	<=13	Pass
	844	Outer_Full	7.02	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer_Full	8.07	/	/	<=13	Pass
	836.5	Outer_Full	8.08	/	/	<=13	Pass
	844	Outer_Full	8.15	/	/	<=13	Pass
CP-OFDM 16 QAM	829	Outer_Full	8.08	/	/	<=13	Pass
	836.5	Outer_Full	8.12	/	/	<=13	Pass
	844	Outer_Full	8.08	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer_Full	8.24	/	/	<=13	Pass
	836.5	Outer_Full	8.24	/	/	<=13	Pass
	844	Outer_Full	8.31	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer_Full	8.58	/	/	<=13	Pass
	836.5	Outer_Full	8.57	/	/	<=13	Pass
	844	Outer_Full	8.64	/	/	<=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	5.81	/	/	<=13	Pass
	836.5	Outer_Full	5.82	/	/	<=13	Pass
	841.5	Outer_Full	5.88	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	6.45	/	/	<=13	Pass
	836.5	Outer_Full	6.45	/	/	<=13	Pass
	841.5	Outer_Full	6.47	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	6.66	/	/	<=13	Pass

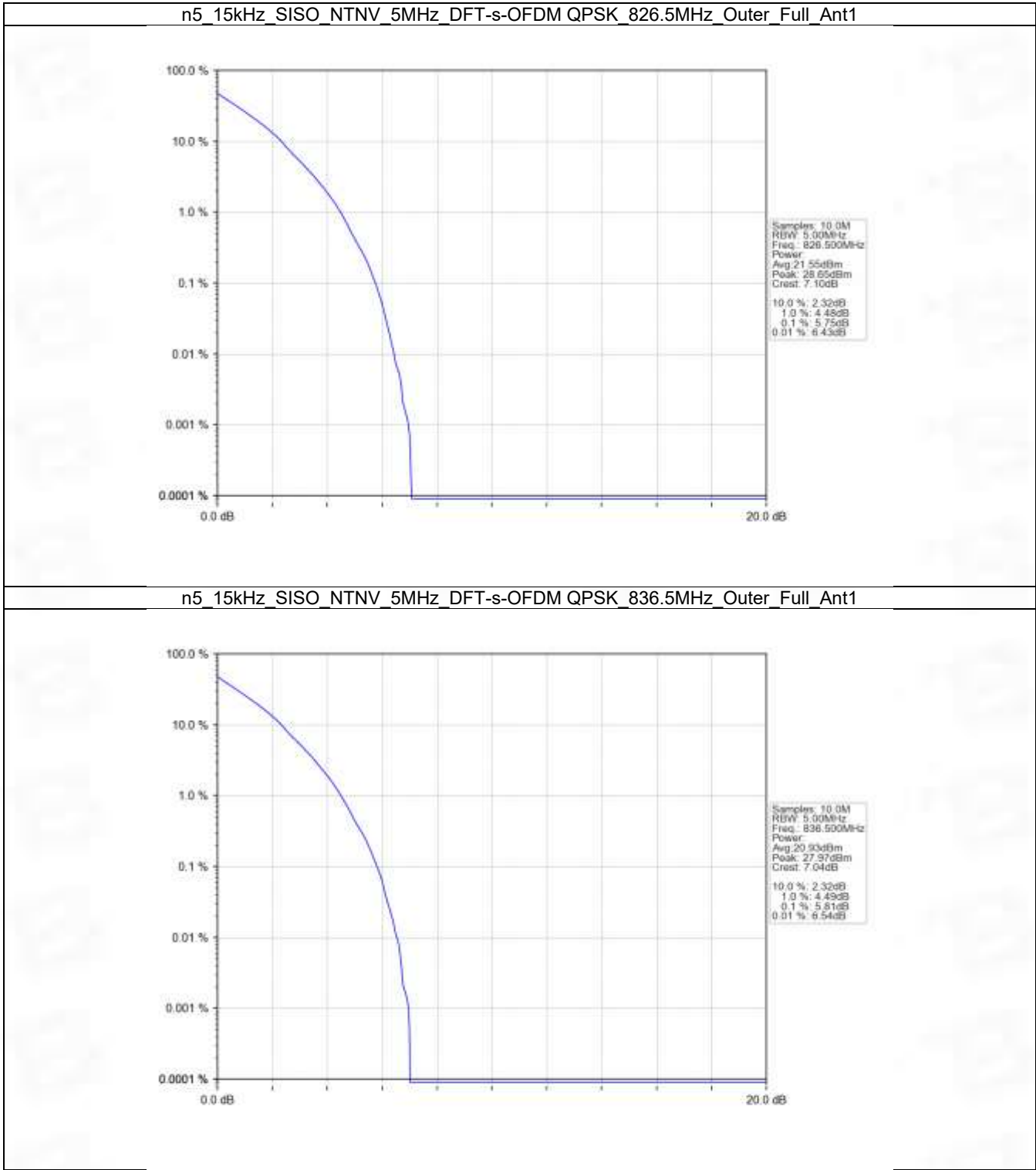
DFT-s-OFDM 256 QAM	836.5	Outer Full	6.72	/	/	<=13	Pass
	841.5	Outer Full	6.76	/	/	<=13	Pass
	831.5	Outer Full	6.75	/	/	<=13	Pass
	836.5	Outer Full	6.78	/	/	<=13	Pass
	841.5	Outer Full	6.75	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer Full	7.86	/	/	<=13	Pass
	836.5	Outer Full	7.85	/	/	<=13	Pass
	841.5	Outer Full	8.02	/	/	<=13	Pass
CP-OFDM 16 QAM	831.5	Outer Full	8.15	/	/	<=13	Pass
	836.5	Outer Full	8.15	/	/	<=13	Pass
	841.5	Outer Full	8.21	/	/	<=13	Pass
CP-OFDM 64 QAM	831.5	Outer Full	8.25	/	/	<=13	Pass
	836.5	Outer Full	8.26	/	/	<=13	Pass
	841.5	Outer Full	8.28	/	/	<=13	Pass
CP-OFDM 256 QAM	831.5	Outer Full	8.76	/	/	<=13	Pass
	836.5	Outer Full	8.73	/	/	<=13	Pass
	841.5	Outer Full	8.77	/	/	<=13	Pass

5.1.7 30k_SISO_20MHz_NTNV

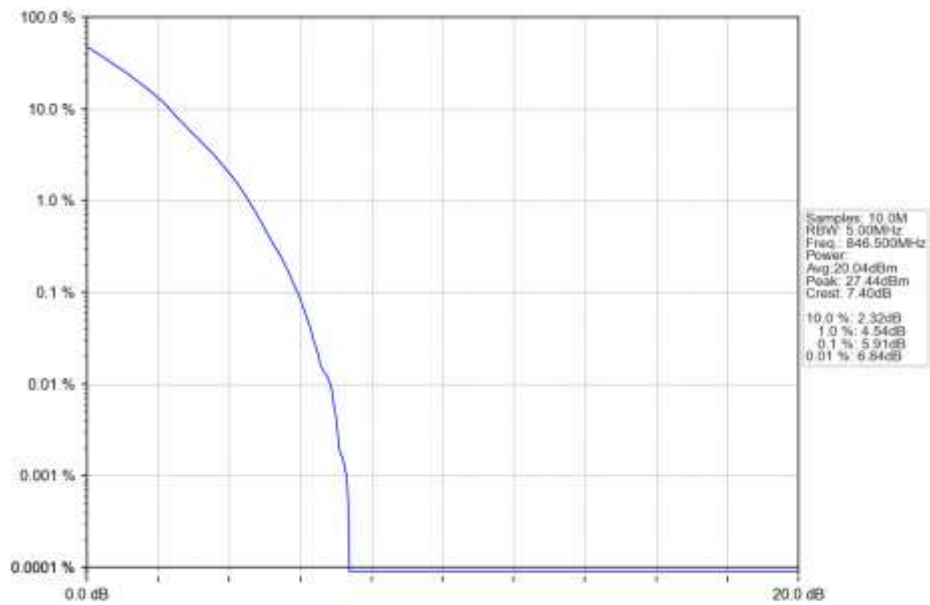
5G NR n5 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Outer Full	5.70	/	/	<=13	Pass
	836.5	Outer Full	5.70	/	/	<=13	Pass
	839	Outer Full	5.82	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer Full	6.52	/	/	<=13	Pass
	836.5	Outer Full	6.53	/	/	<=13	Pass
	839	Outer Full	6.64	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer Full	6.65	/	/	<=13	Pass
	836.5	Outer Full	6.66	/	/	<=13	Pass
	839	Outer Full	6.74	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer Full	6.75	/	/	<=13	Pass
	836.5	Outer Full	6.75	/	/	<=13	Pass
	839	Outer Full	6.76	/	/	<=13	Pass
CP-OFDM QPSK	834	Outer Full	7.93	/	/	<=13	Pass
	836.5	Outer Full	8.01	/	/	<=13	Pass
	839	Outer Full	8.19	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer Full	8.07	/	/	<=13	Pass
	836.5	Outer Full	8.20	/	/	<=13	Pass
	839	Outer Full	8.22	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer Full	8.23	/	/	<=13	Pass
	836.5	Outer Full	8.26	/	/	<=13	Pass
	839	Outer Full	8.35	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer Full	8.88	/	/	<=13	Pass
	836.5	Outer Full	8.88	/	/	<=13	Pass
	839	Outer Full	8.85	/	/	<=13	Pass

5.2 Test Graph

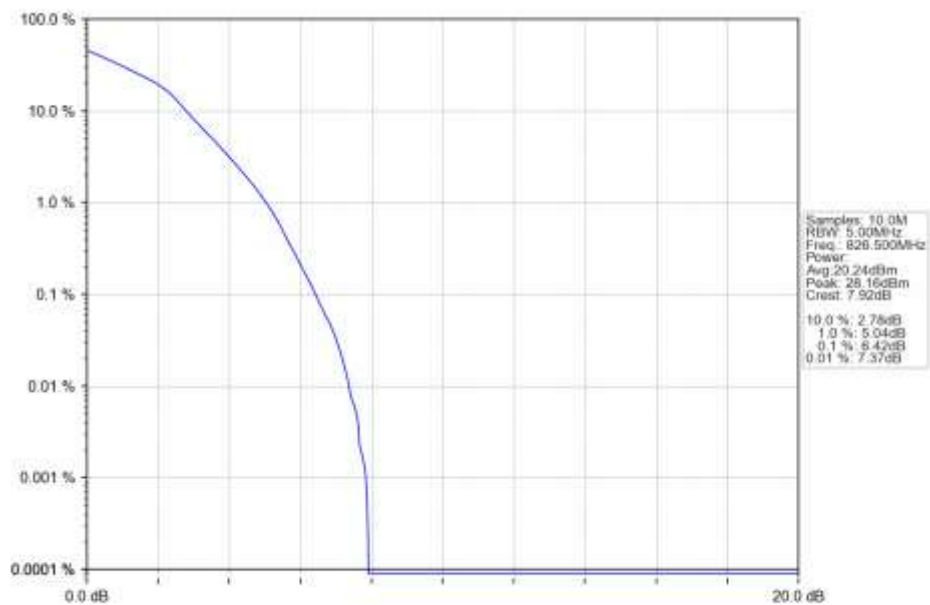
5.2.1 15k_SISO_5MHz_NTNV



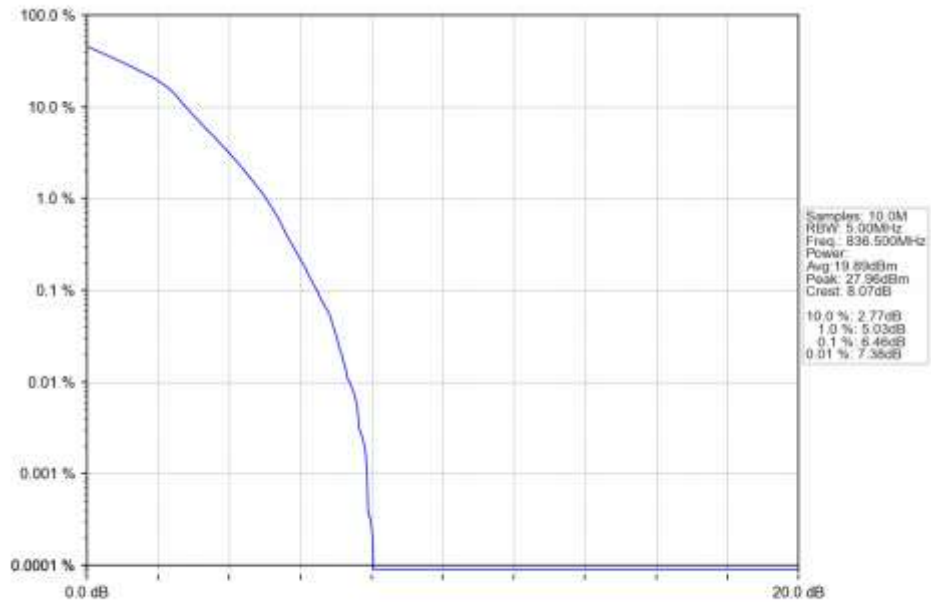
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Outer Full Ant1



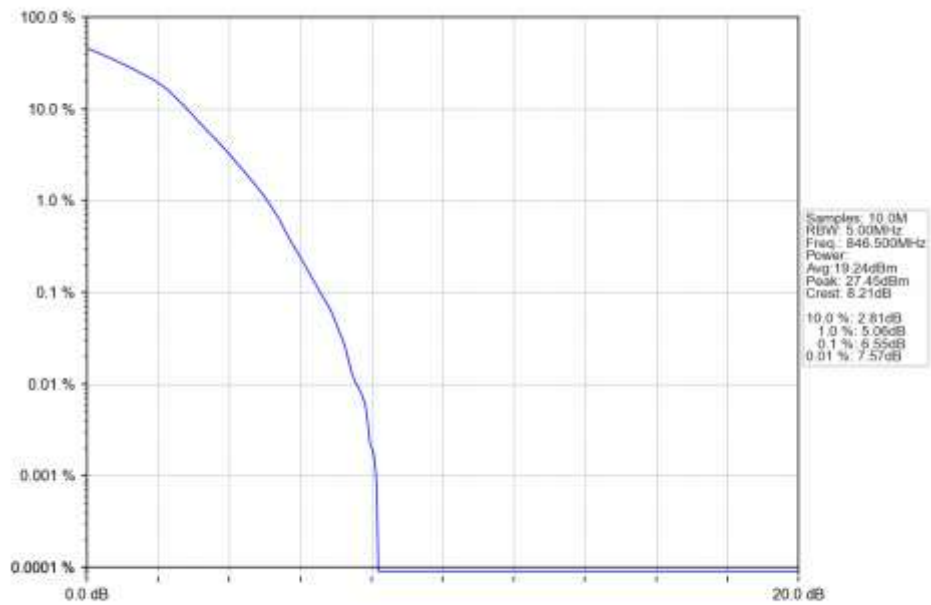
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 826.5MHz Outer Full Ant1



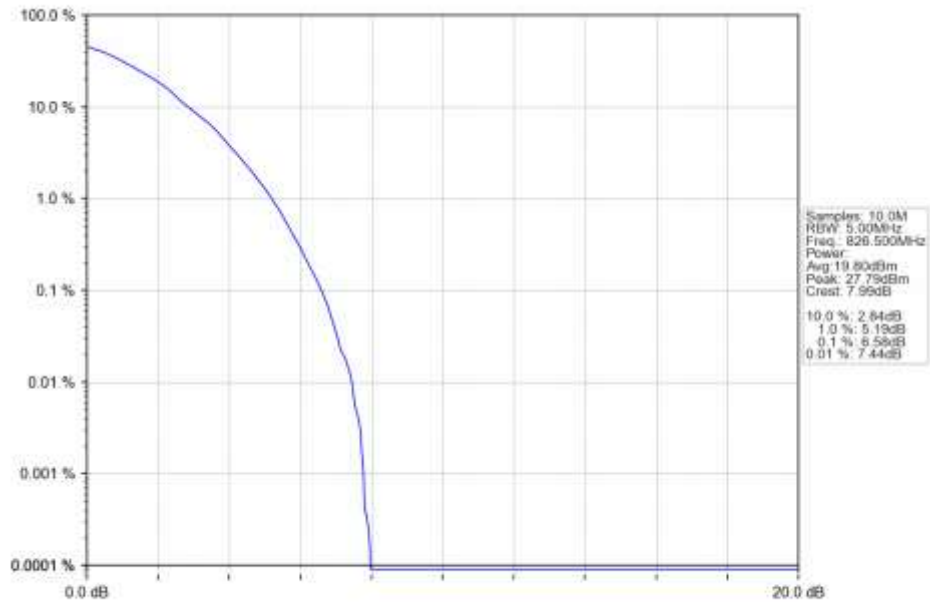
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



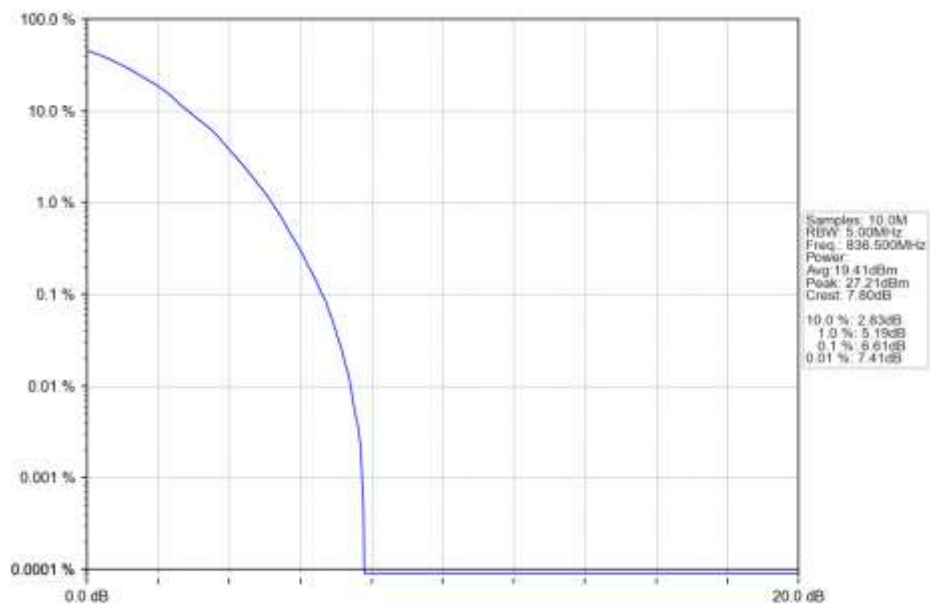
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_846.5MHz_Outer_Full_Ant1



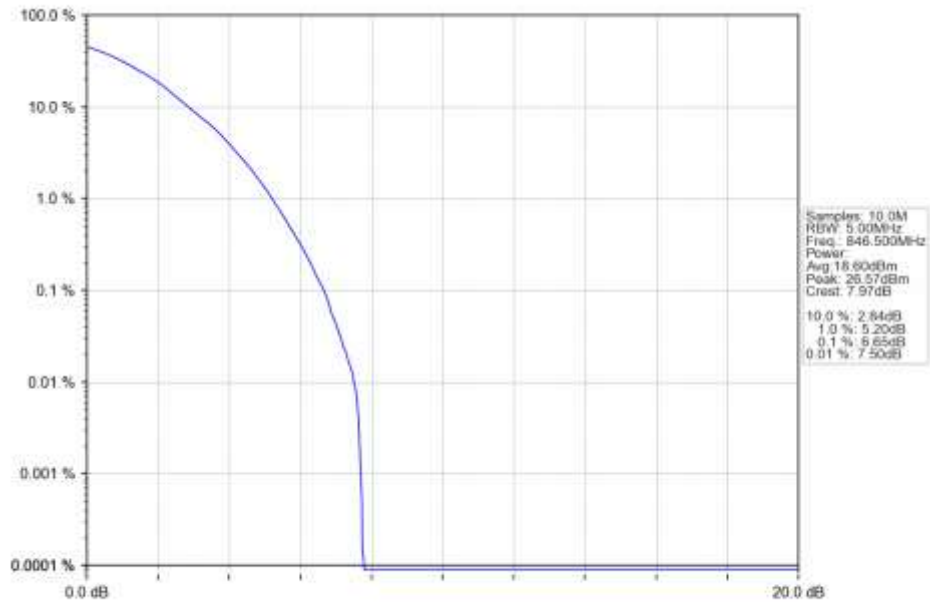
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



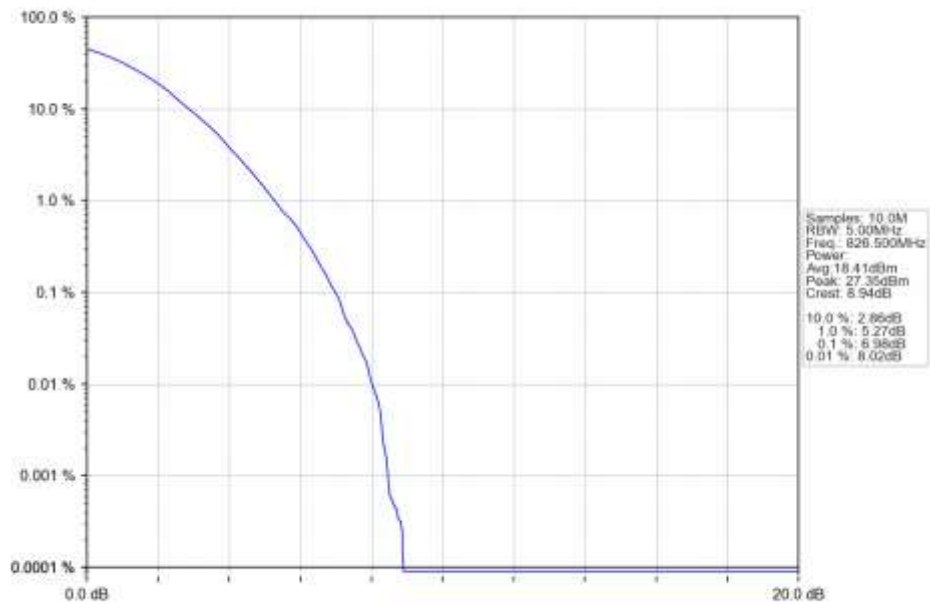
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



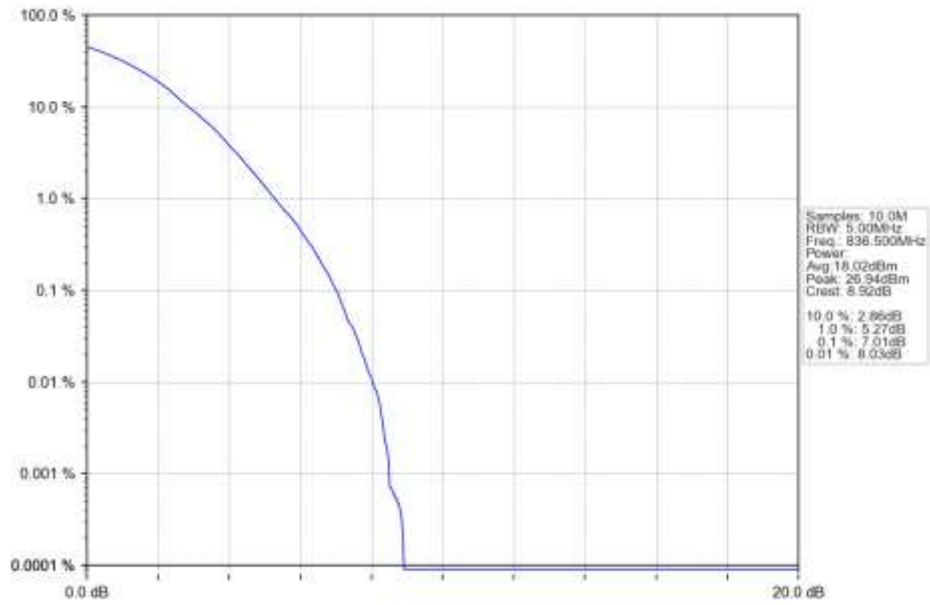
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 846.5MHz Outer Full Ant1



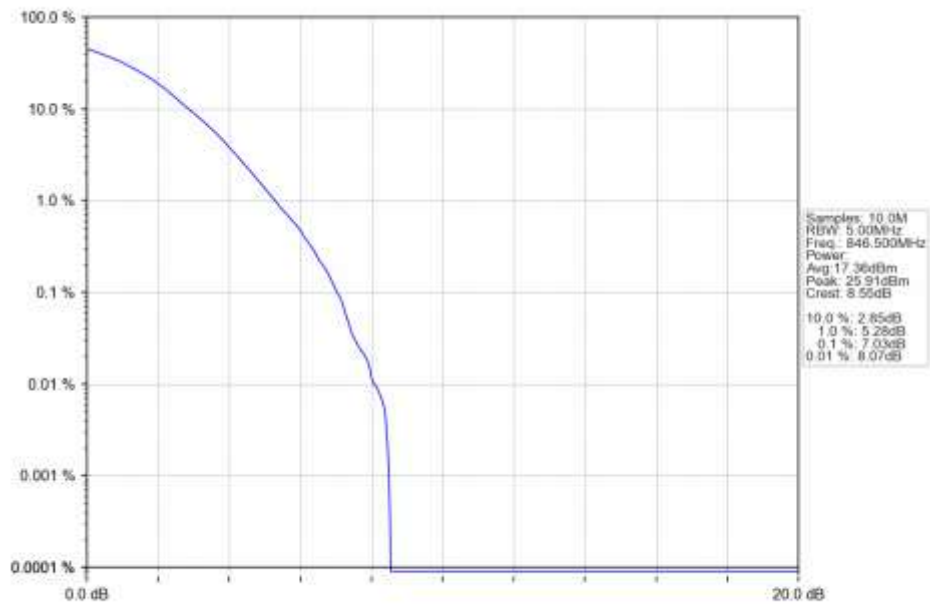
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 826.5MHz Outer Full Ant1



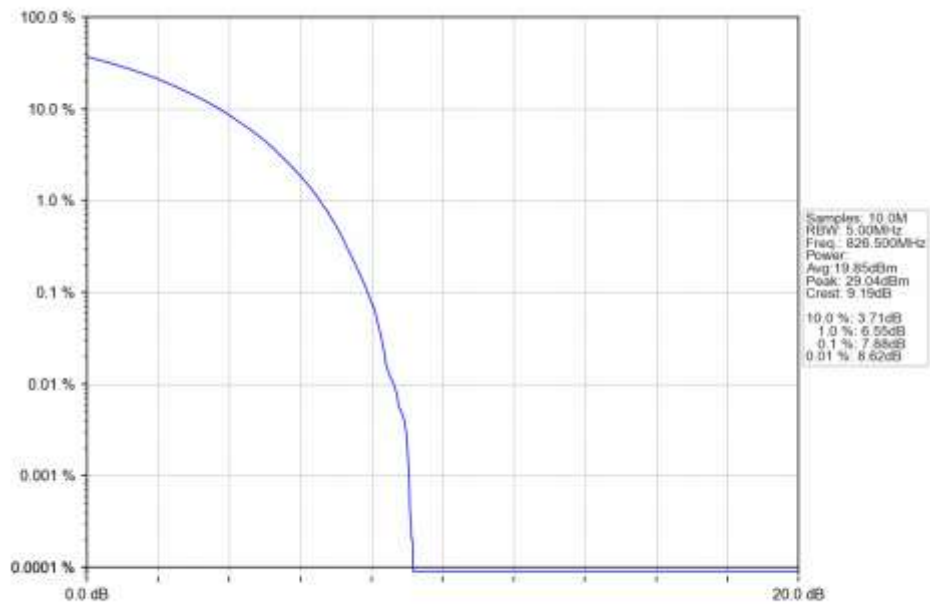
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



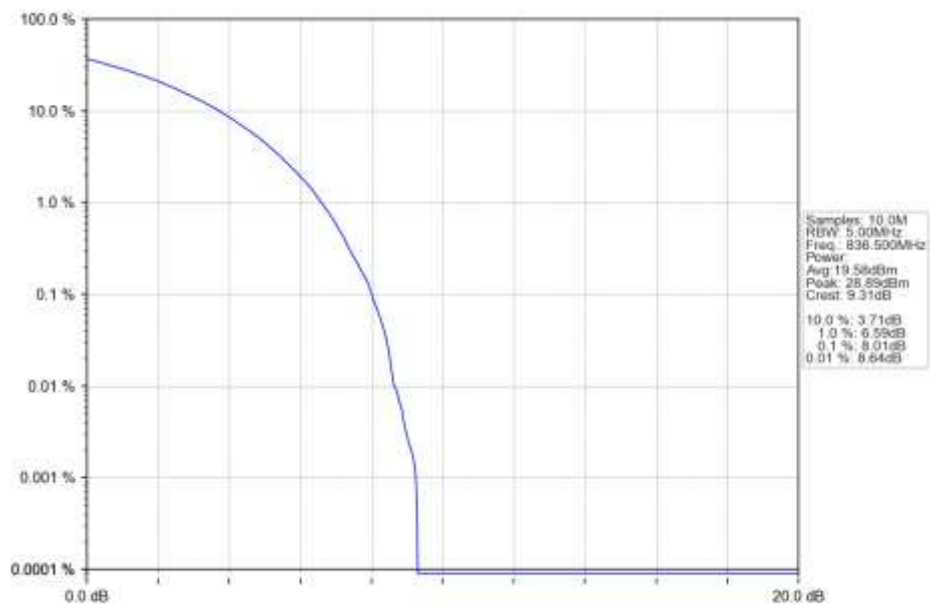
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 846.5MHz Outer Full Ant1



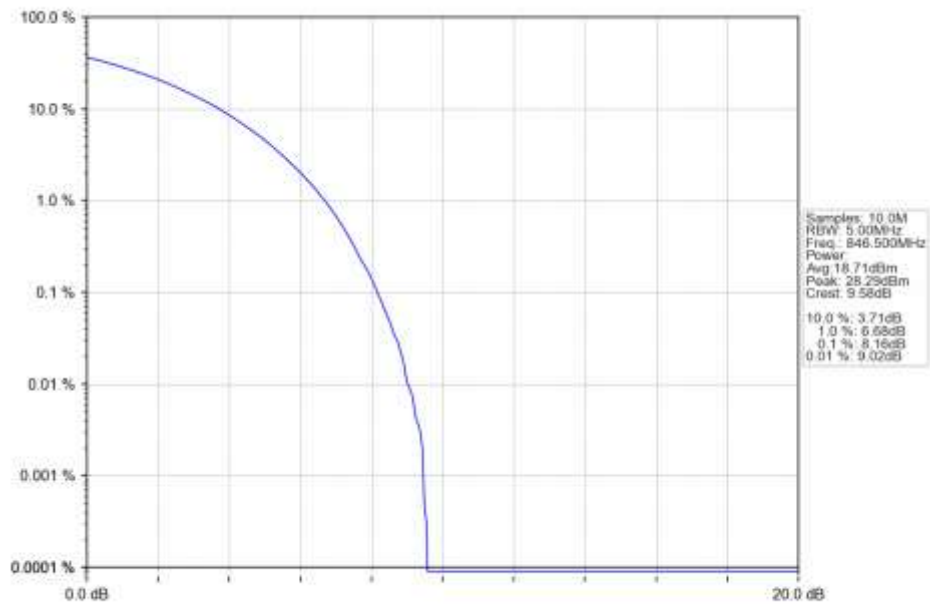
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 826.5MHz Outer Full Ant1



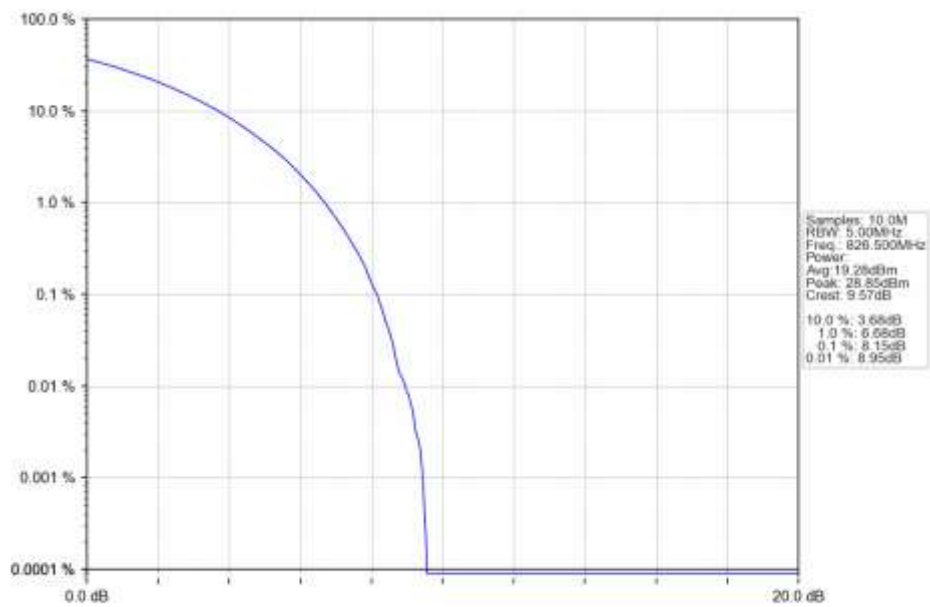
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1



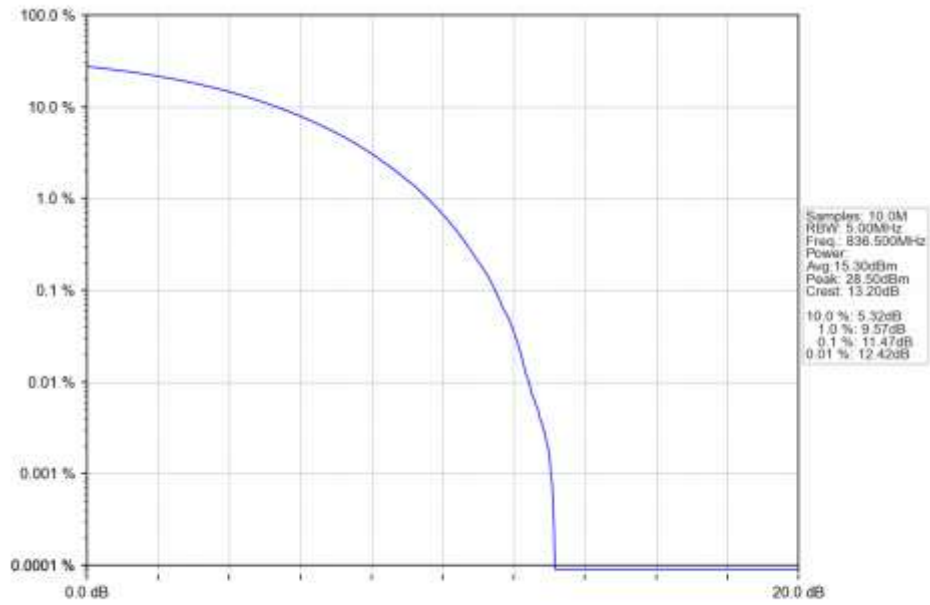
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 846.5MHz Outer Full Ant1



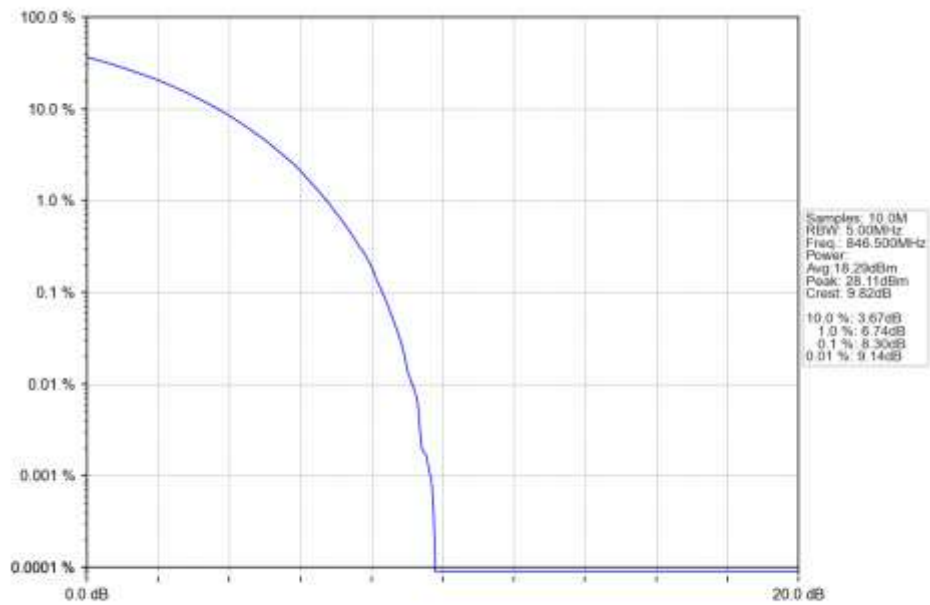
n5 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 826.5MHz Outer Full Ant1



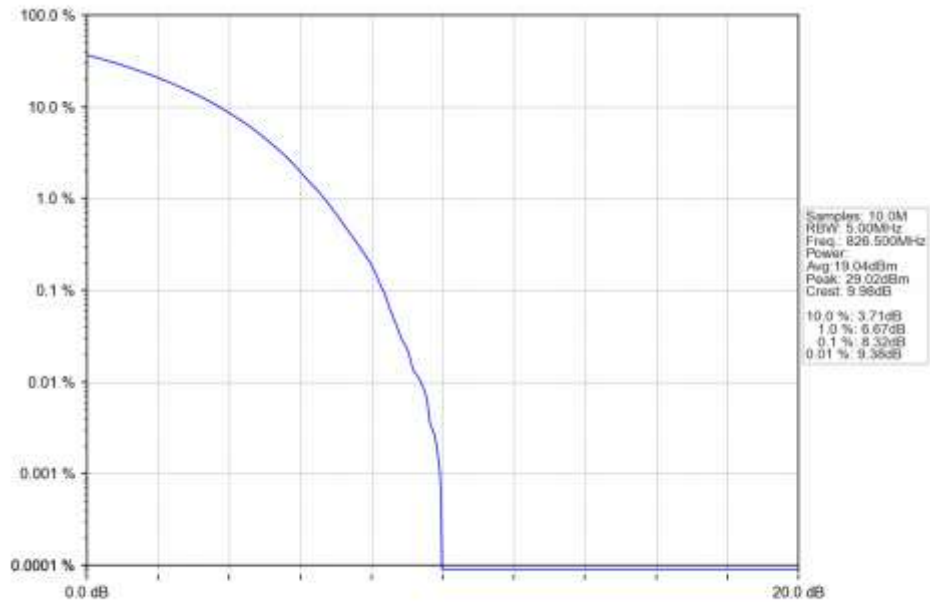
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



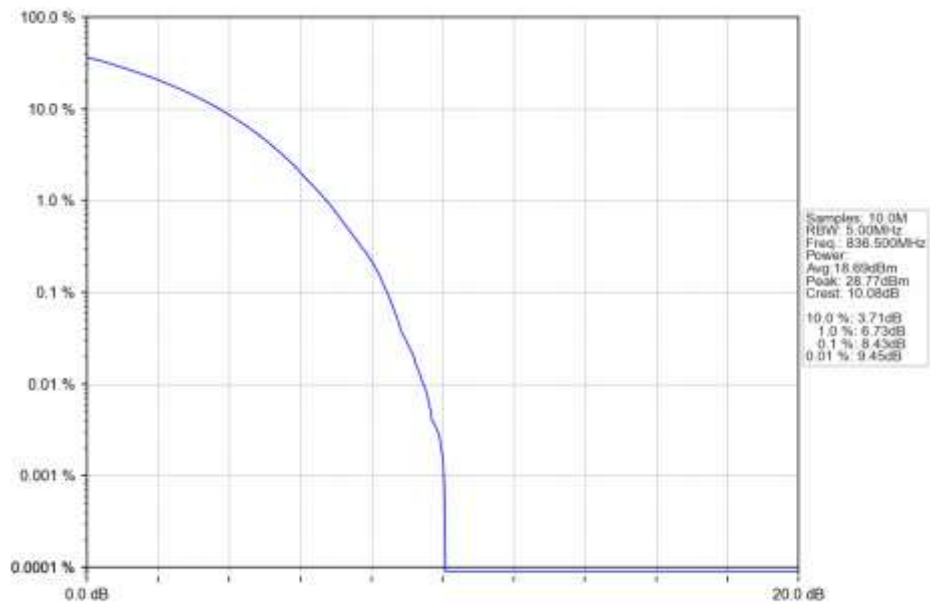
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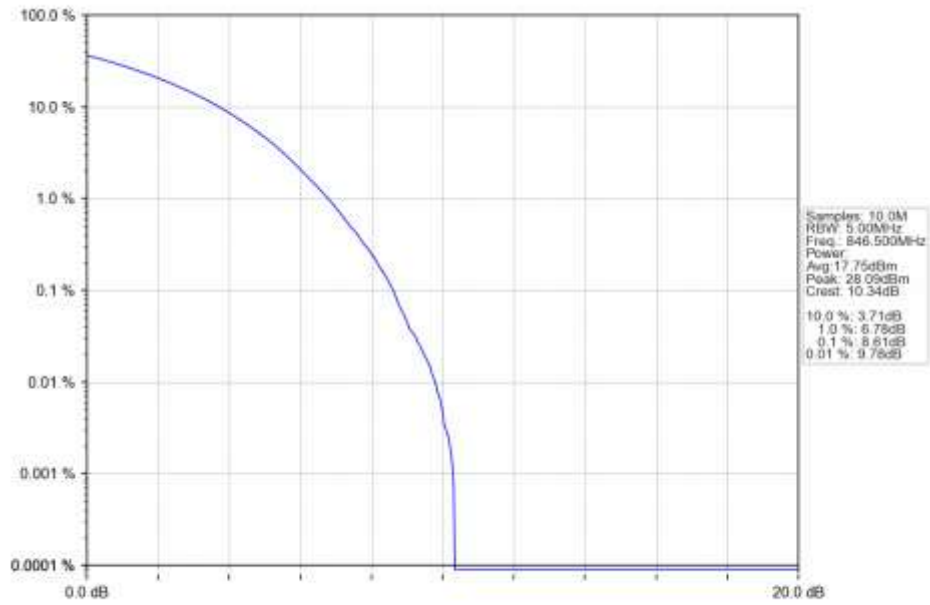
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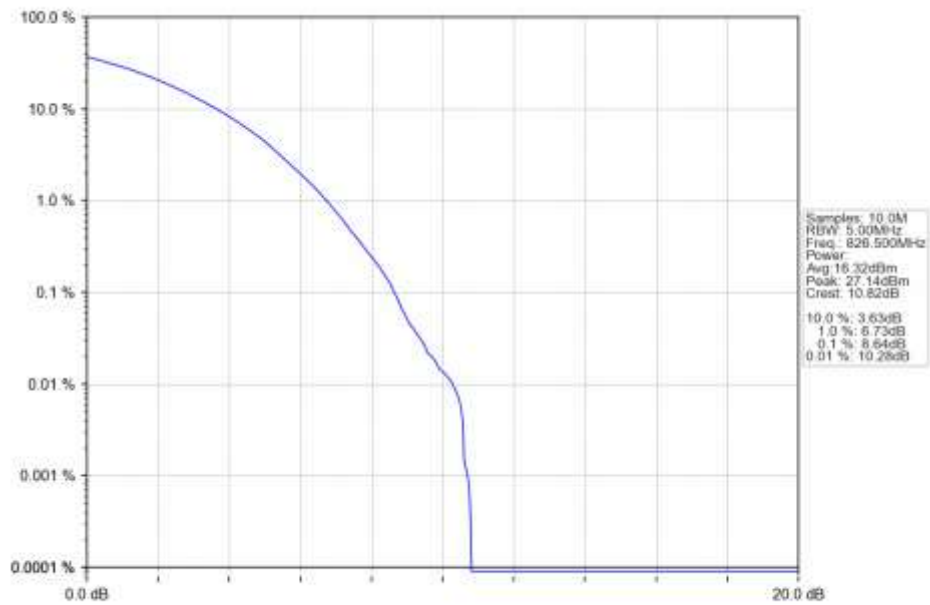
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



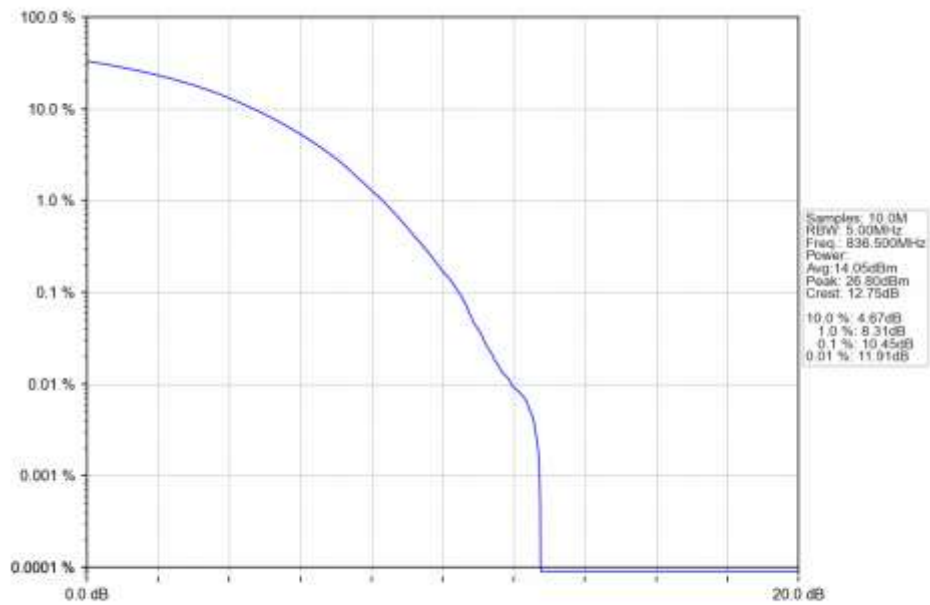
n5 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 846.5MHz Outer Full Ant1



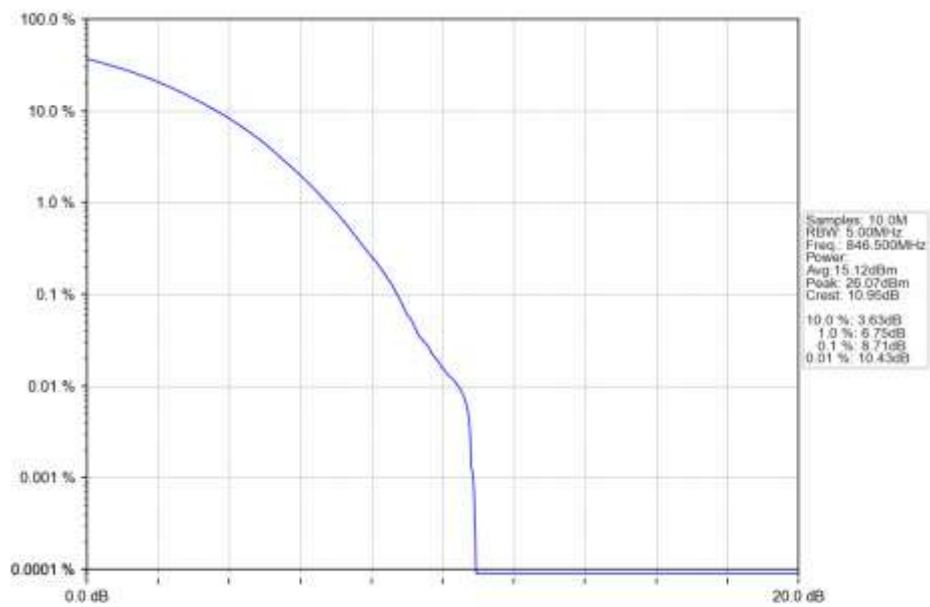
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 826.5MHz Outer Full Ant1



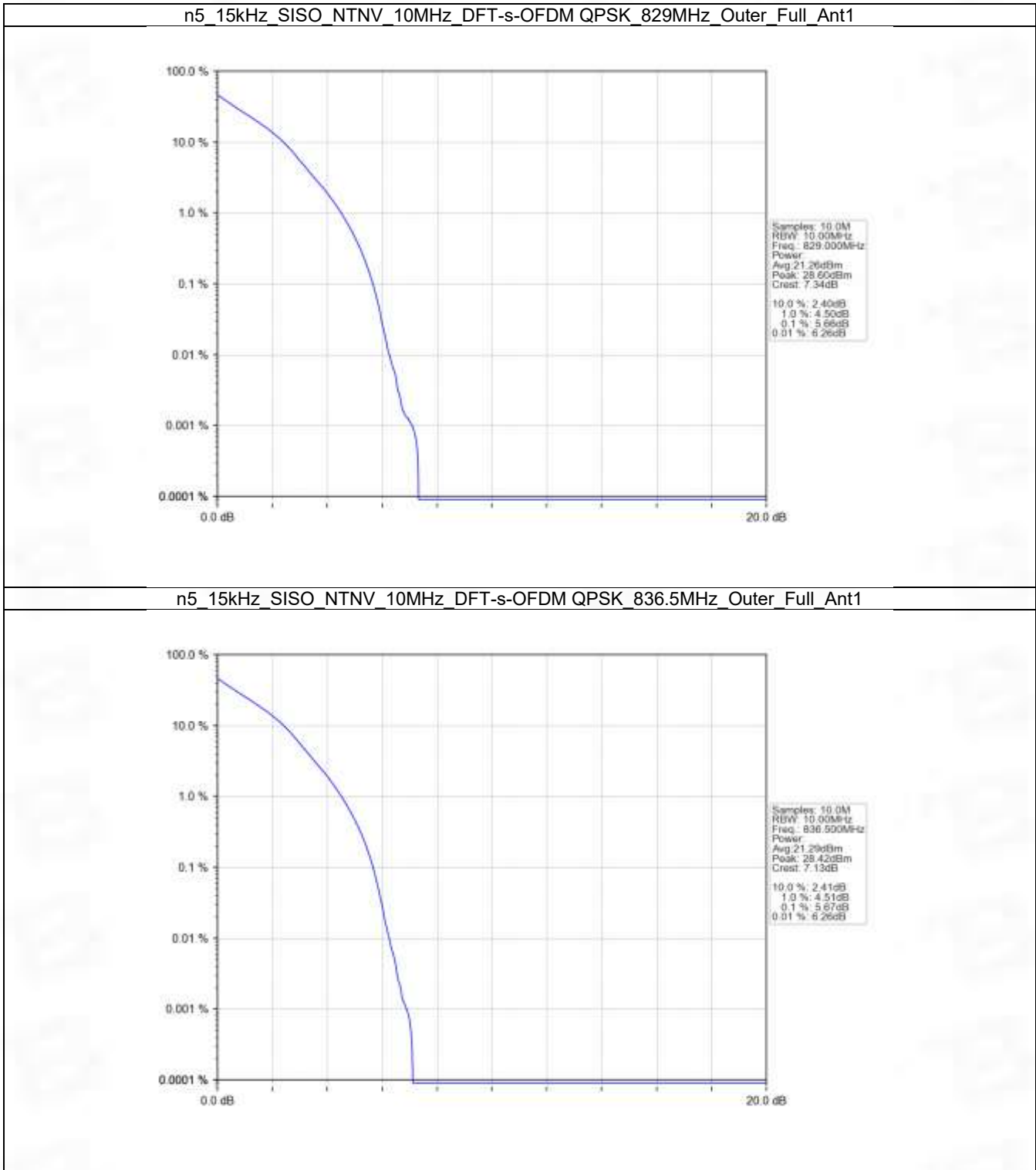
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant1



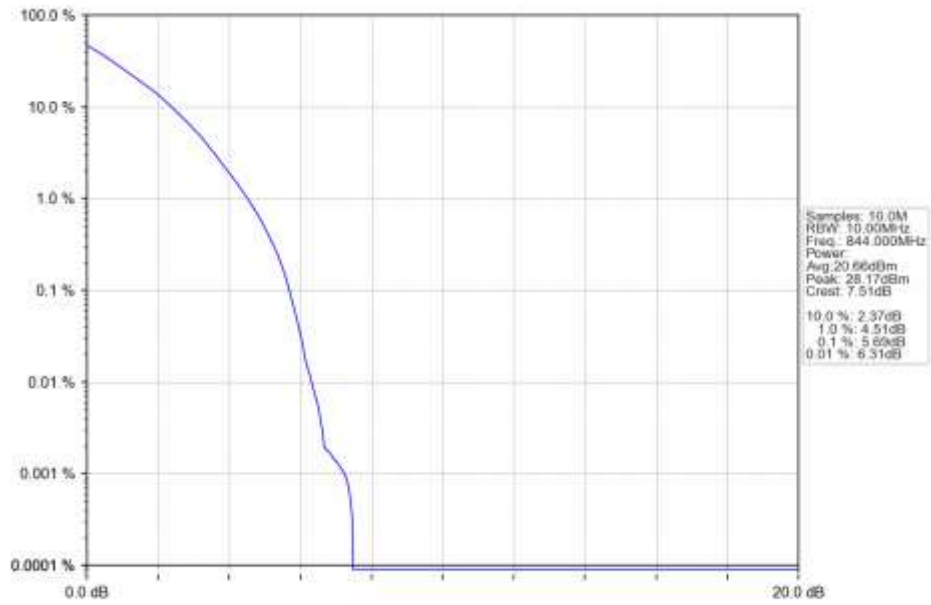
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 846.5MHz Outer Full Ant1



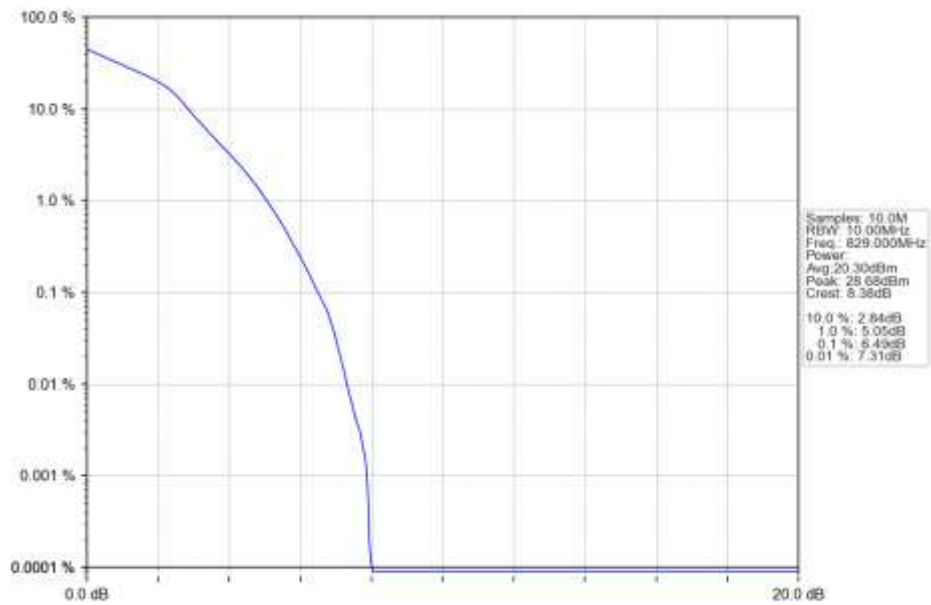
5.2.2 15k_SISO_10MHz_NTNV



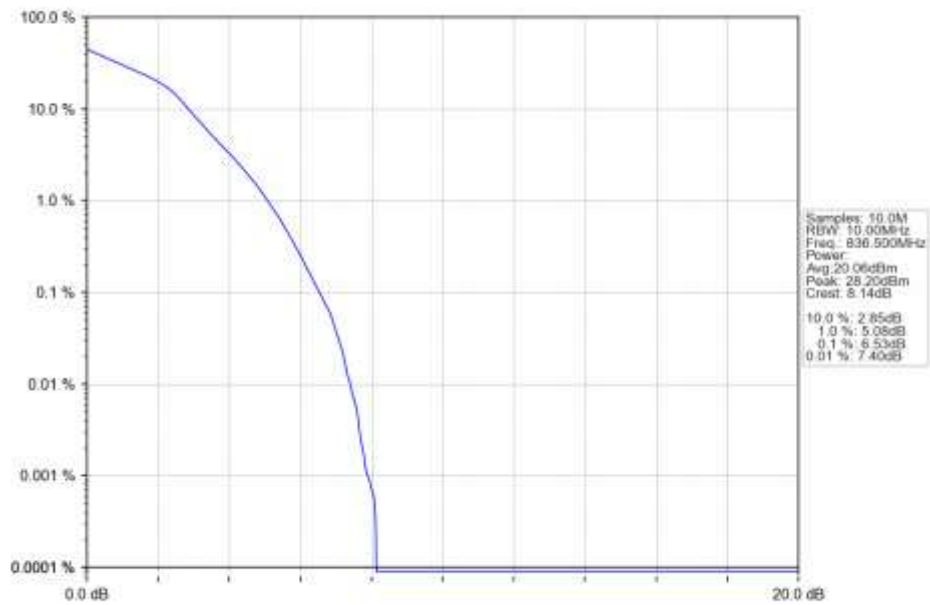
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full_Ant1



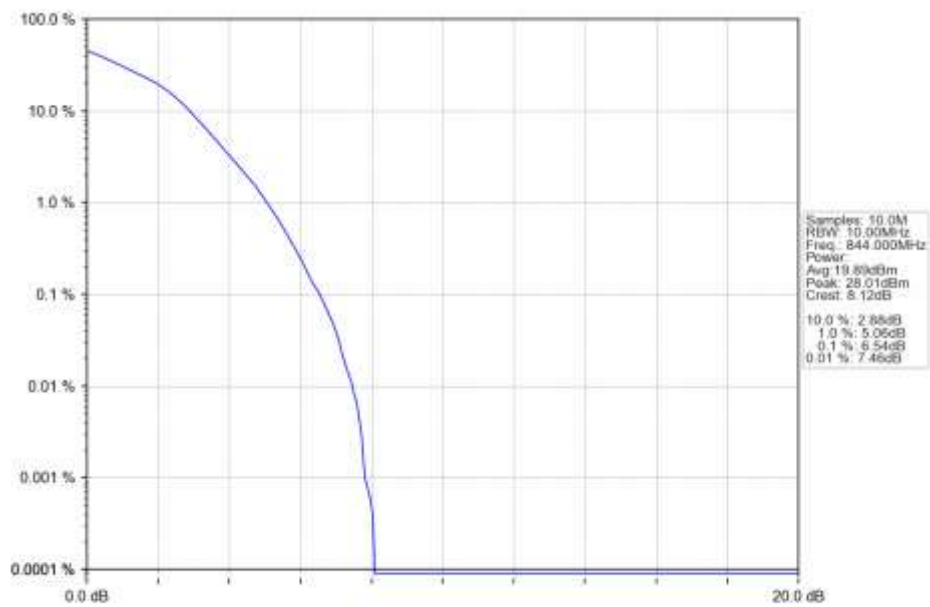
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16QAM_829MHz_Outer_Full_Ant1



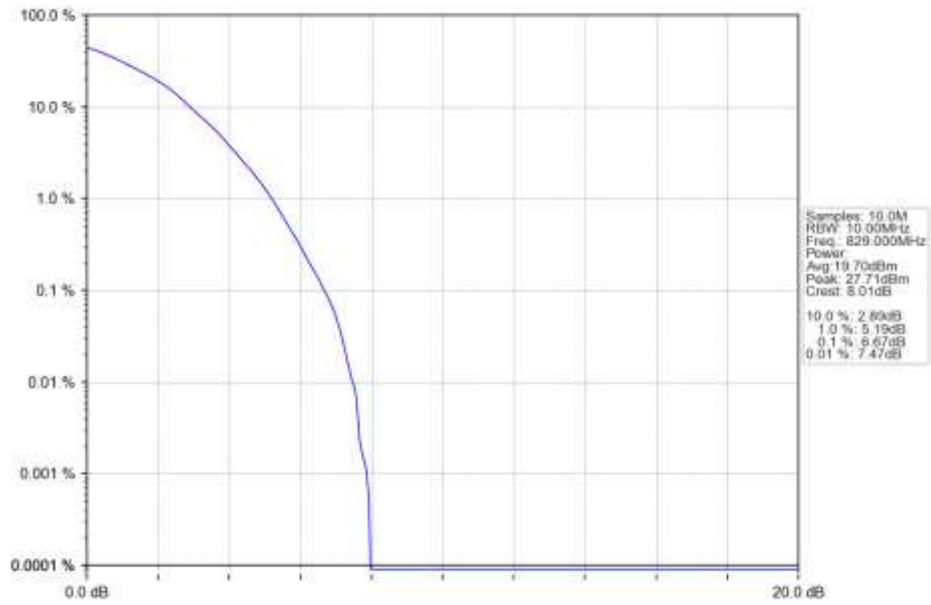
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



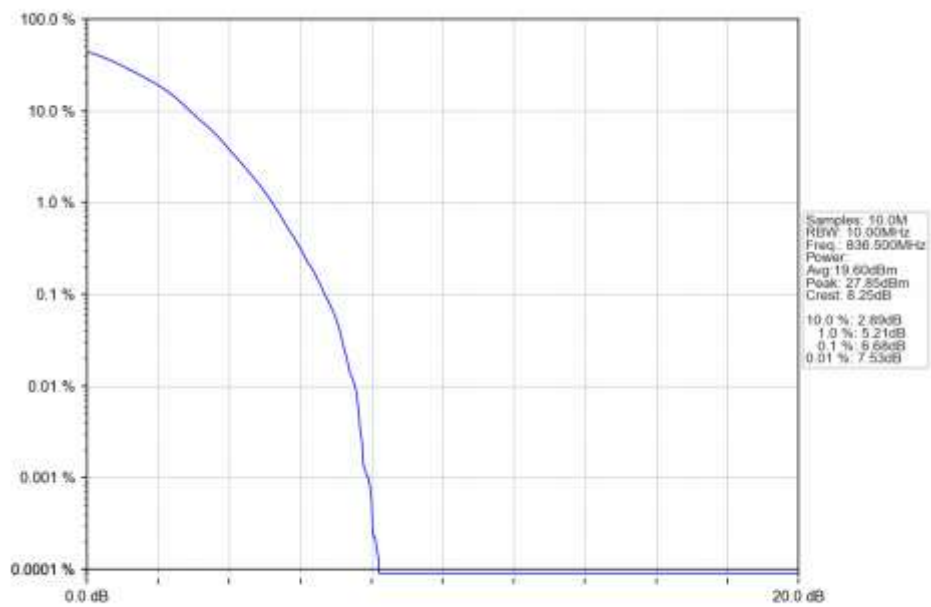
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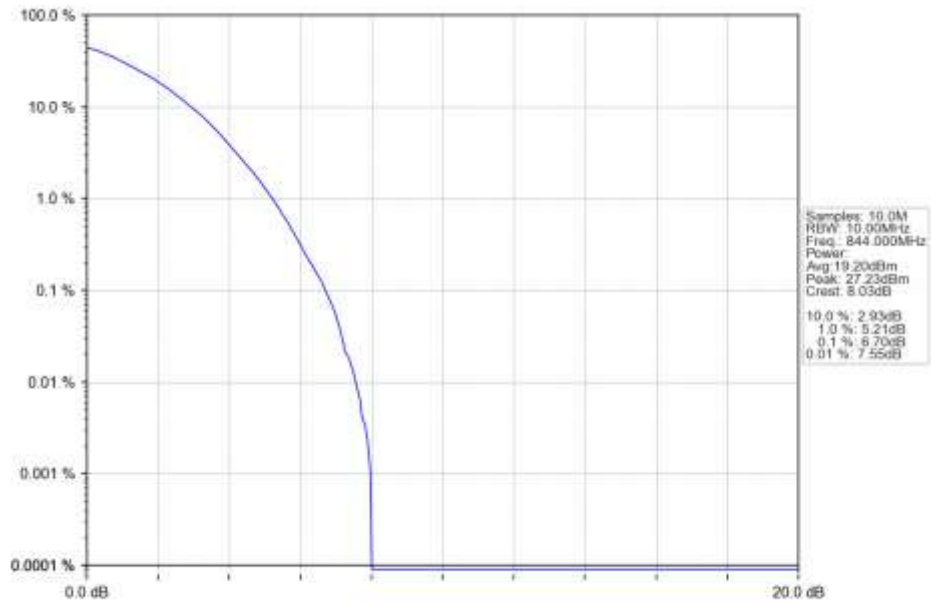
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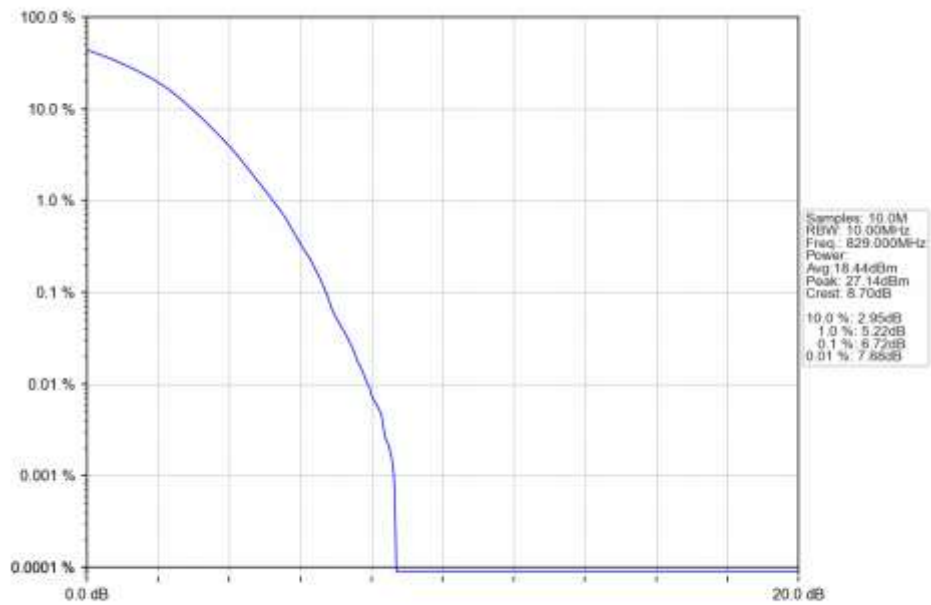
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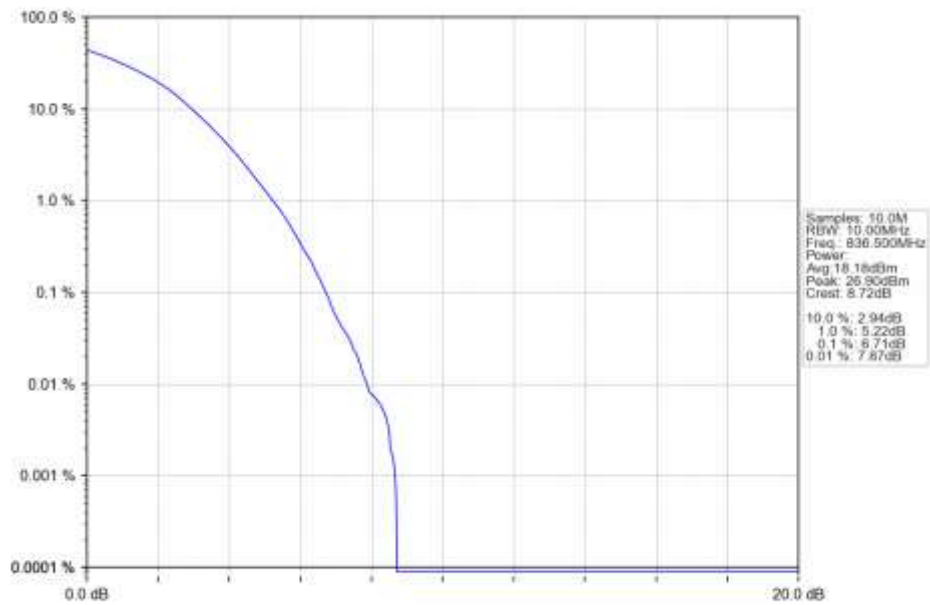
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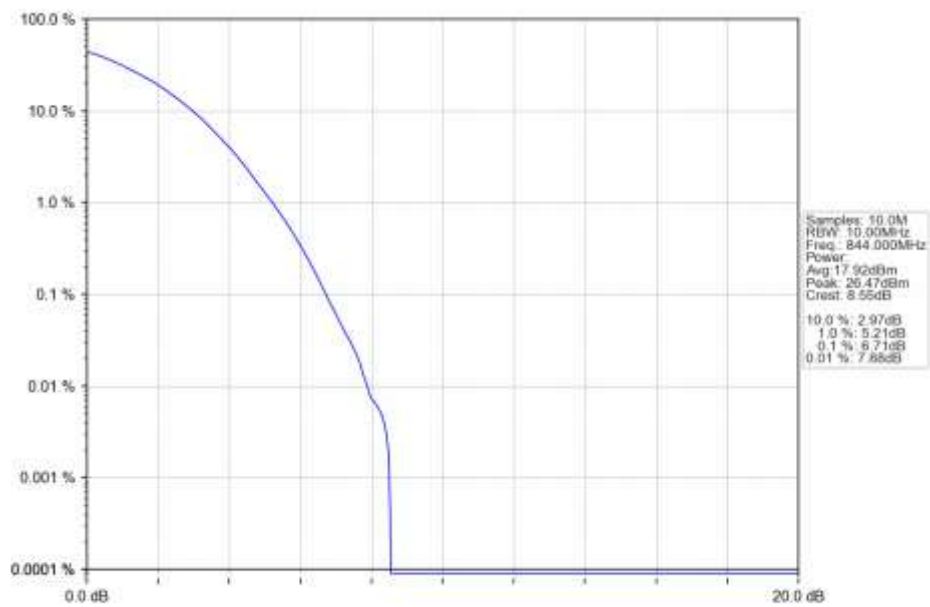
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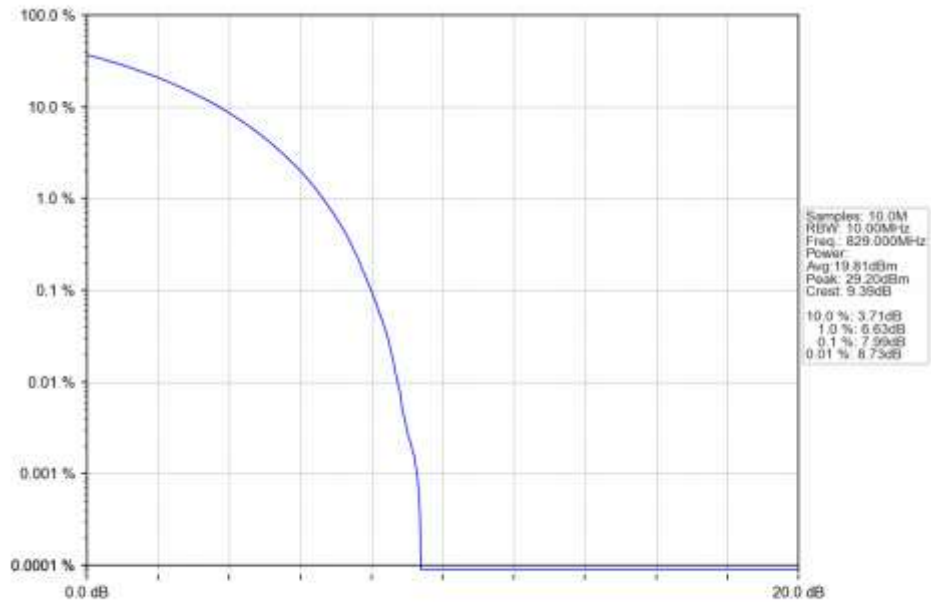
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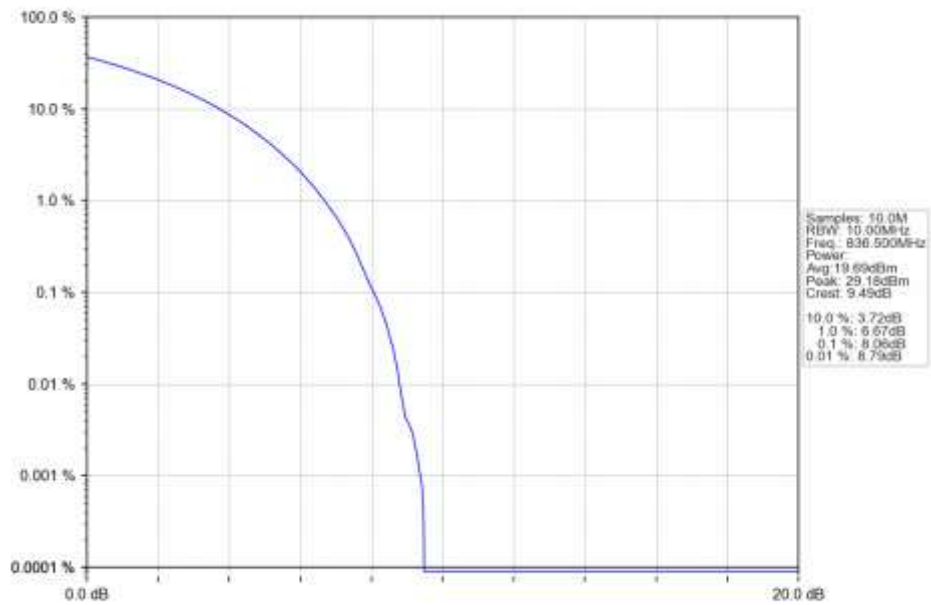
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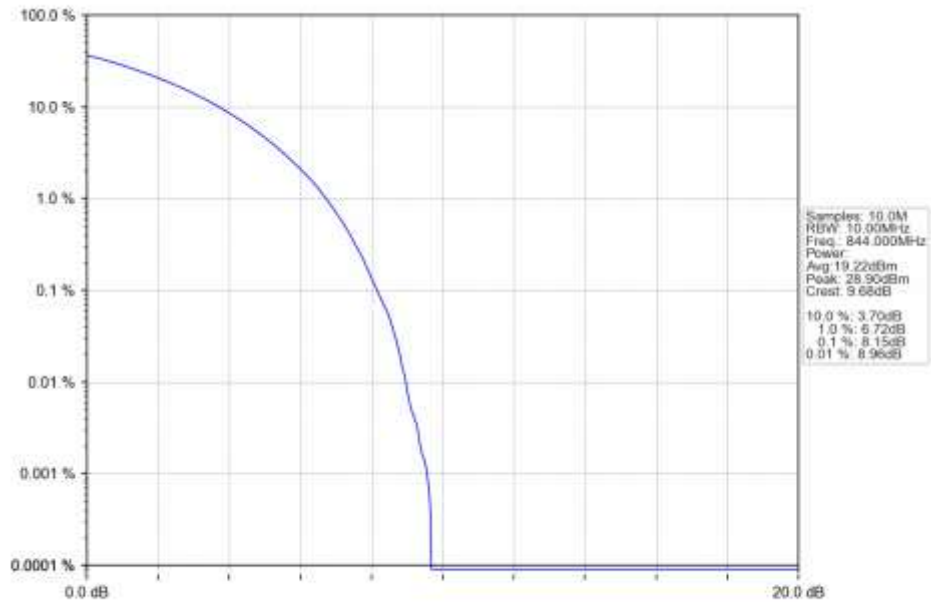
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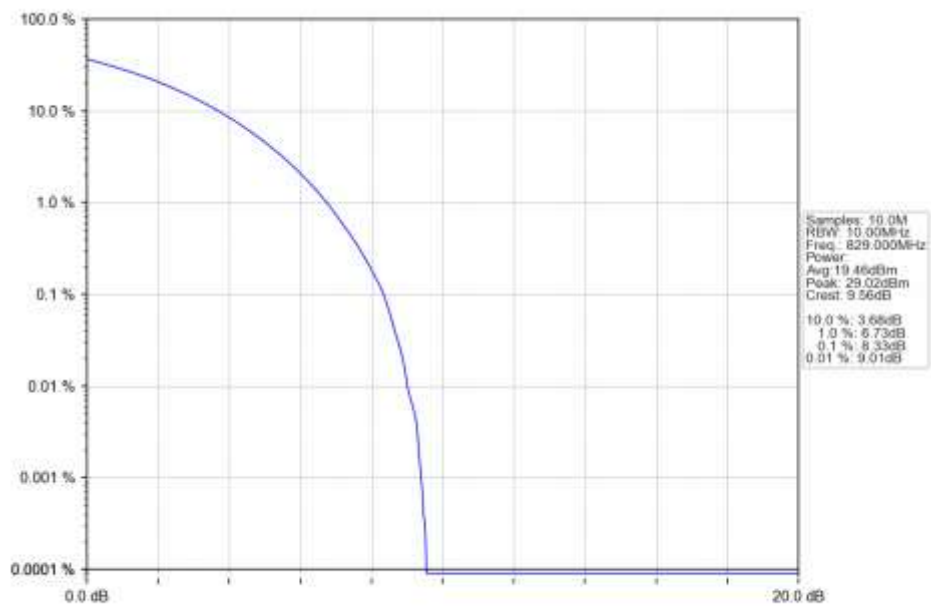
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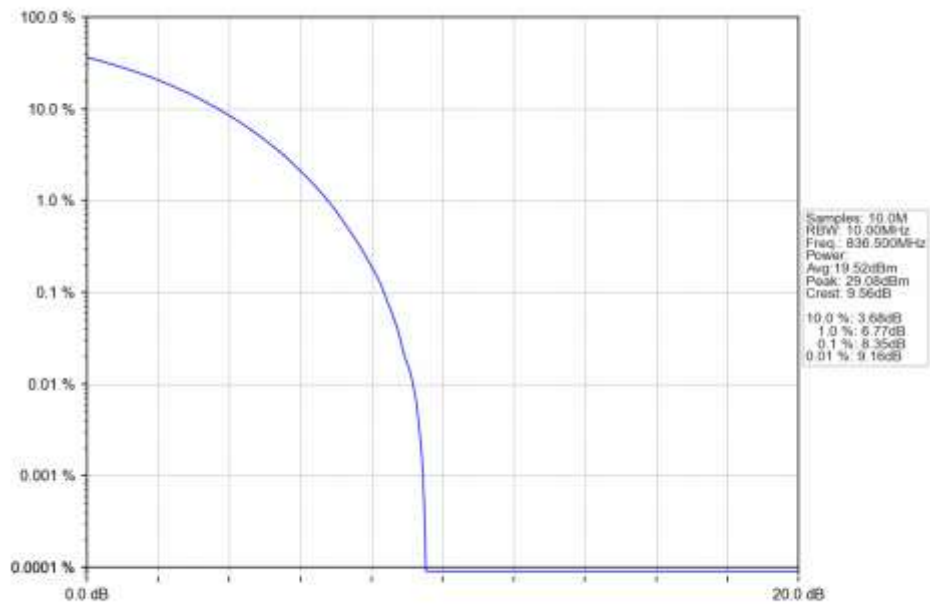
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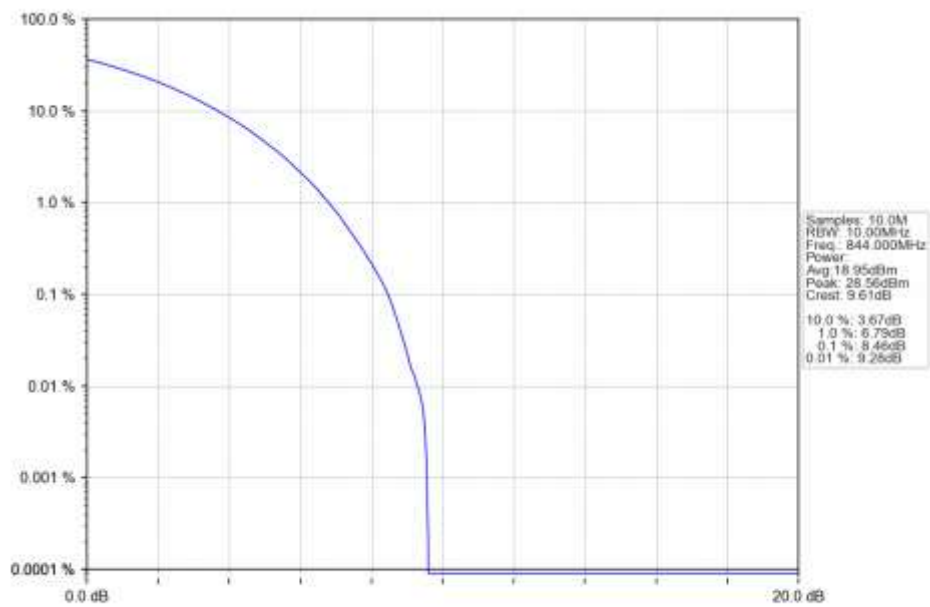
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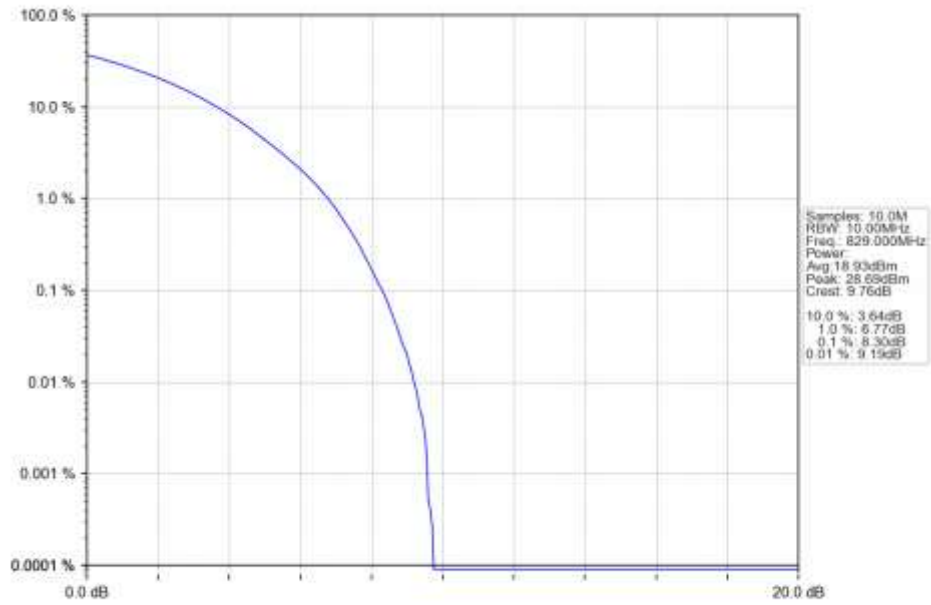
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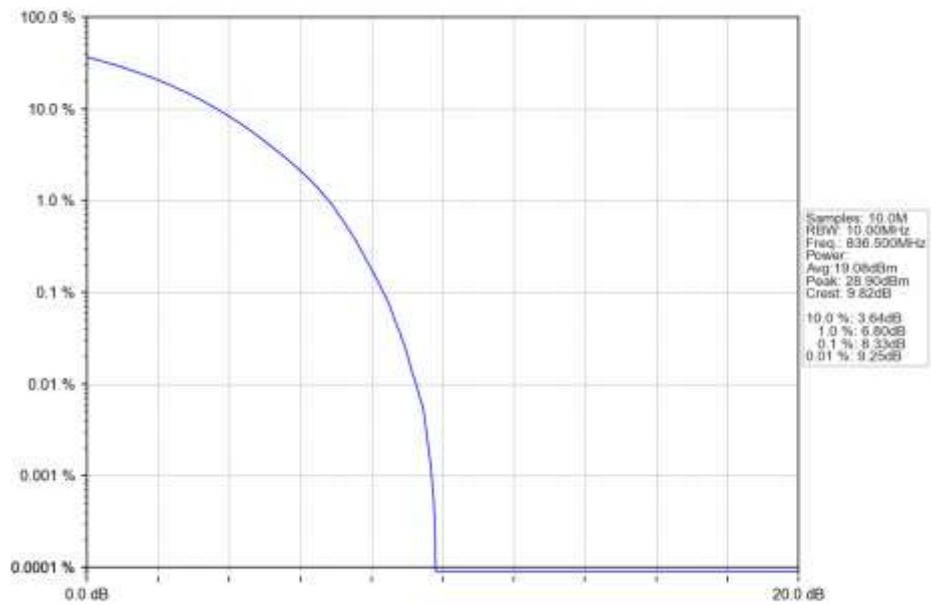
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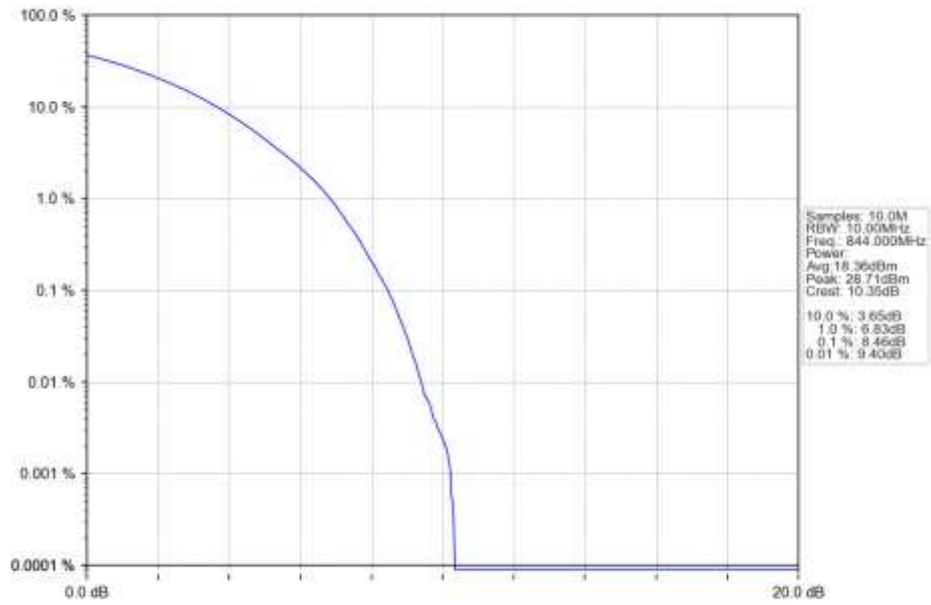
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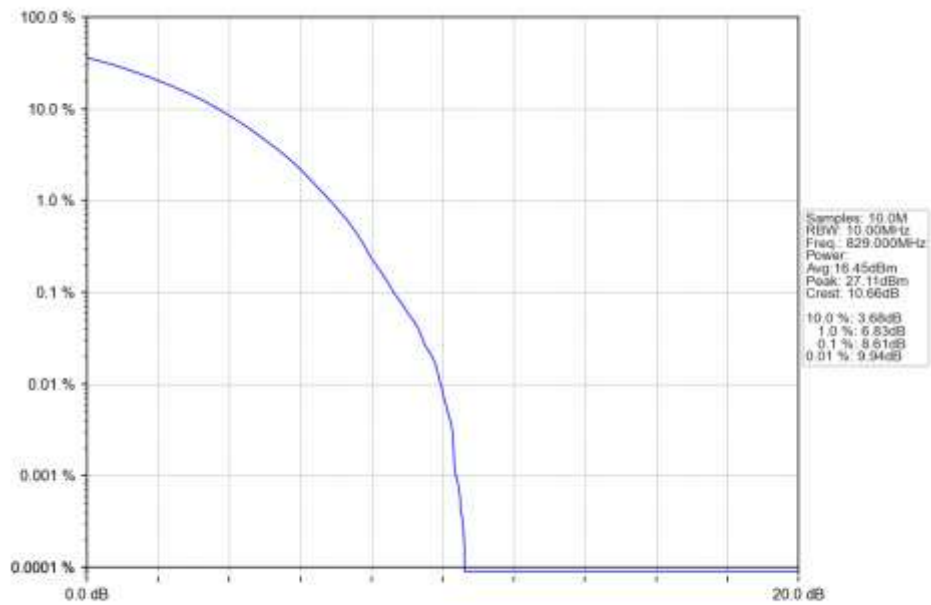
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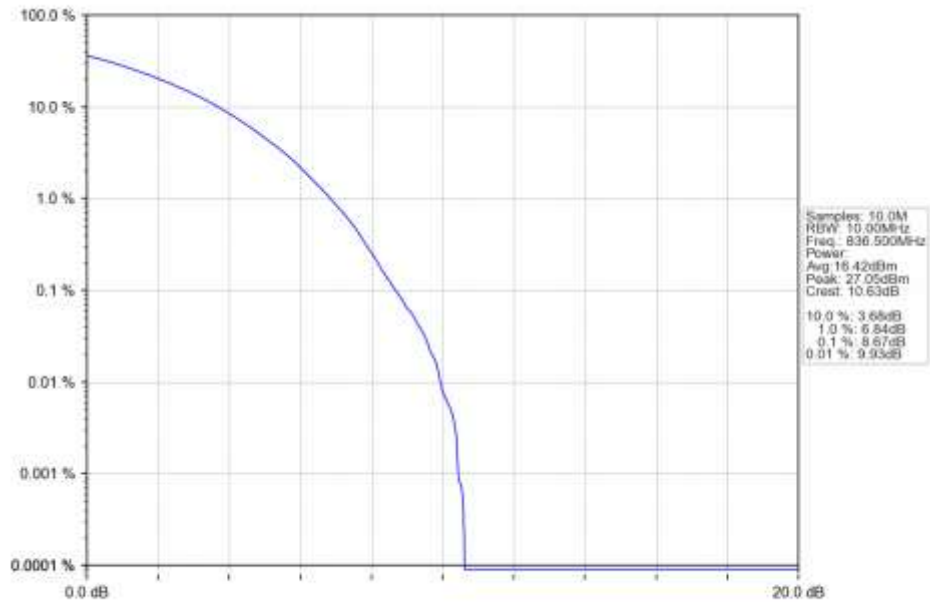
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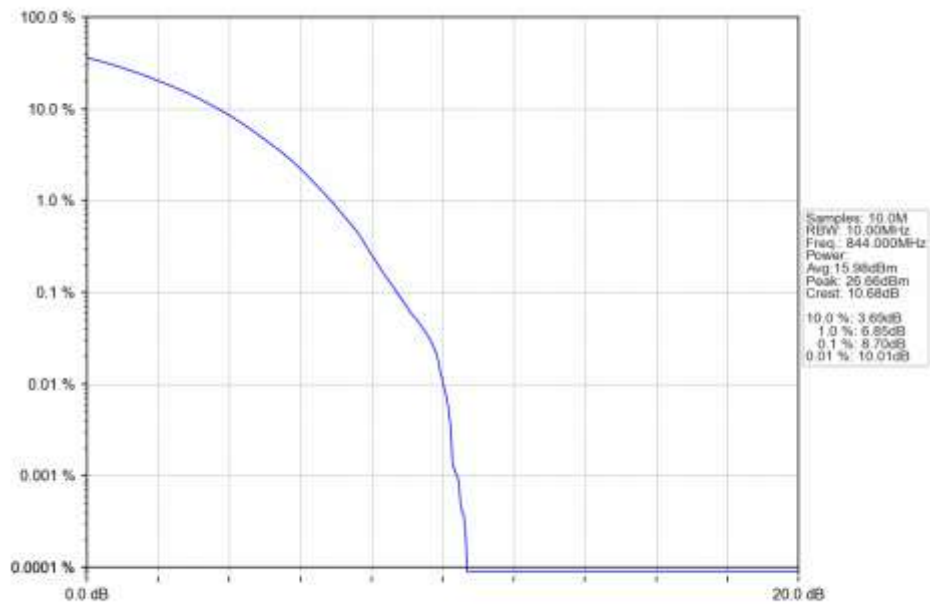
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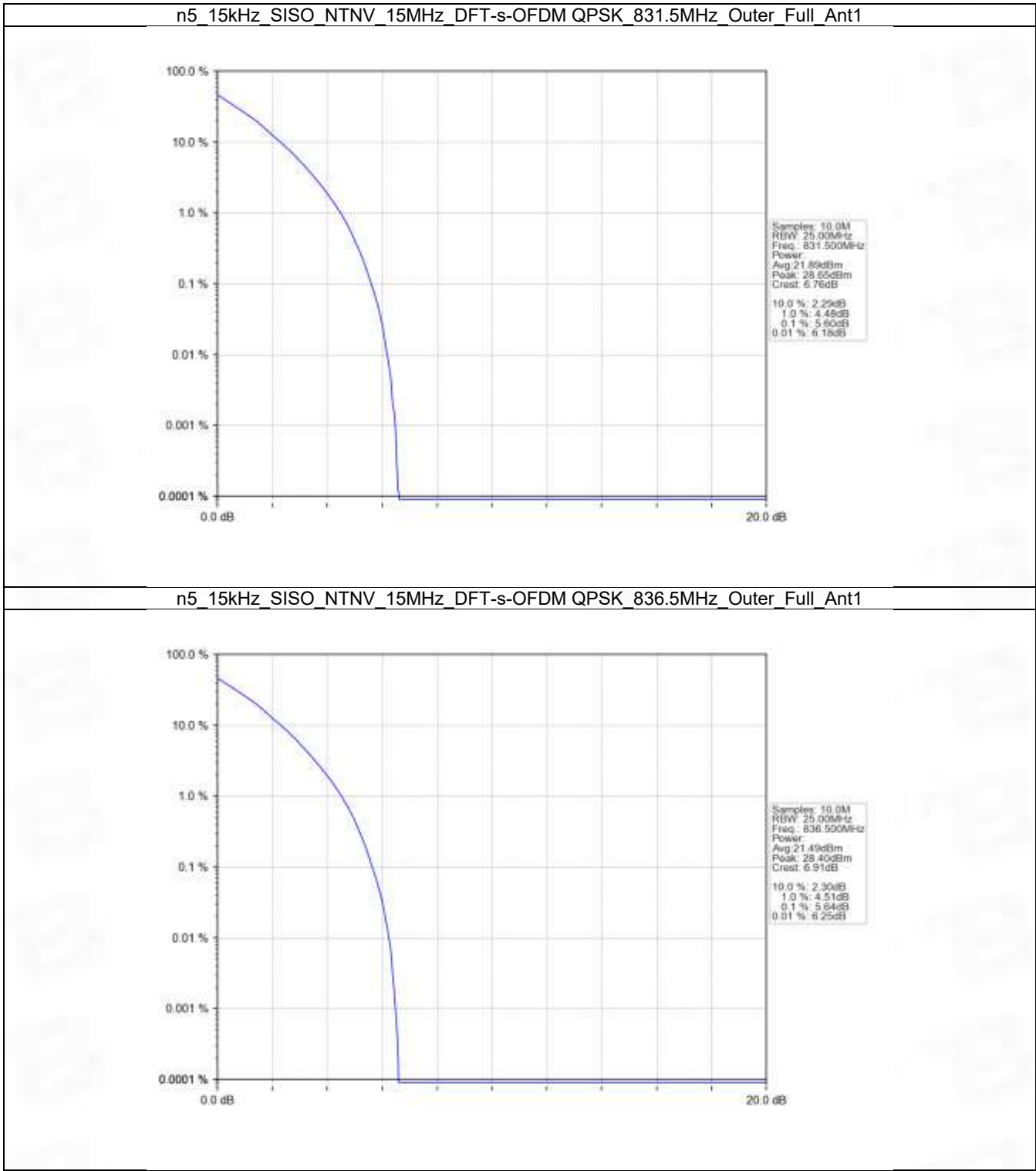
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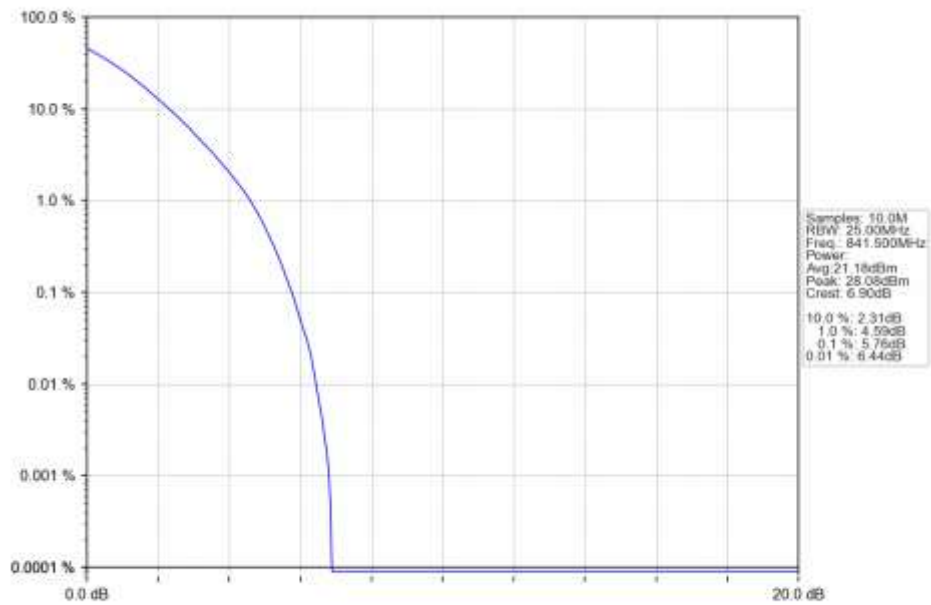
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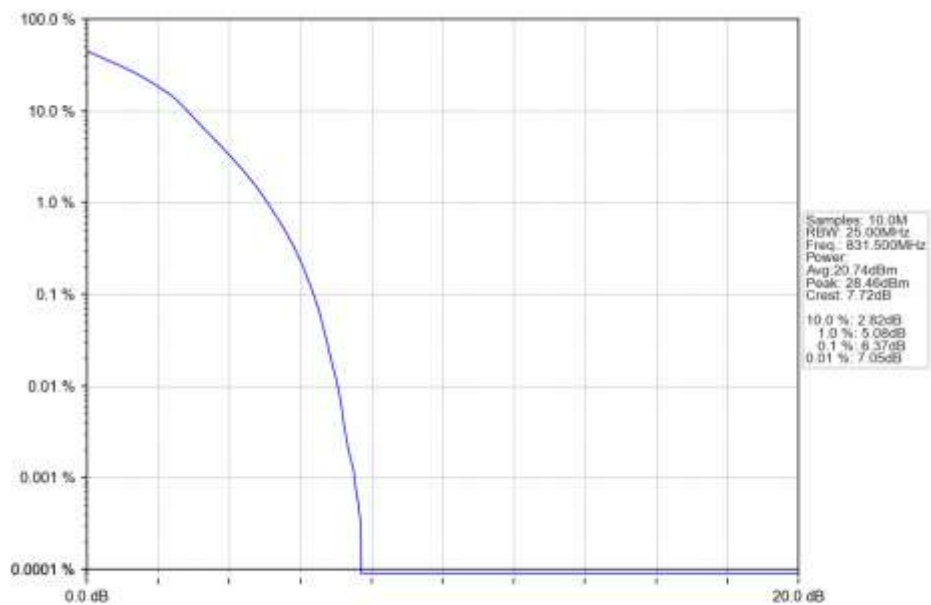
5.2.3 15k_SISO_15MHz_NTNV



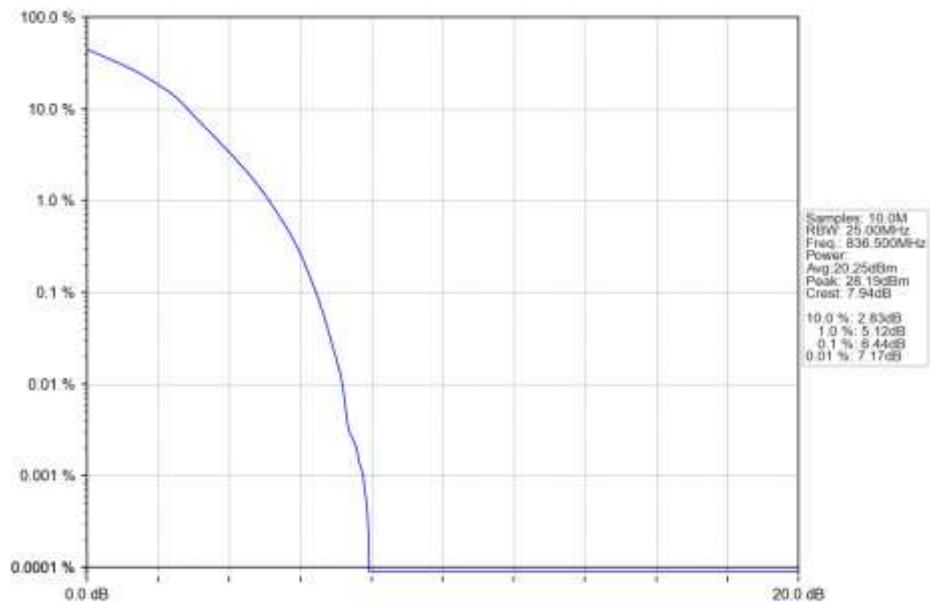
n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full Ant1



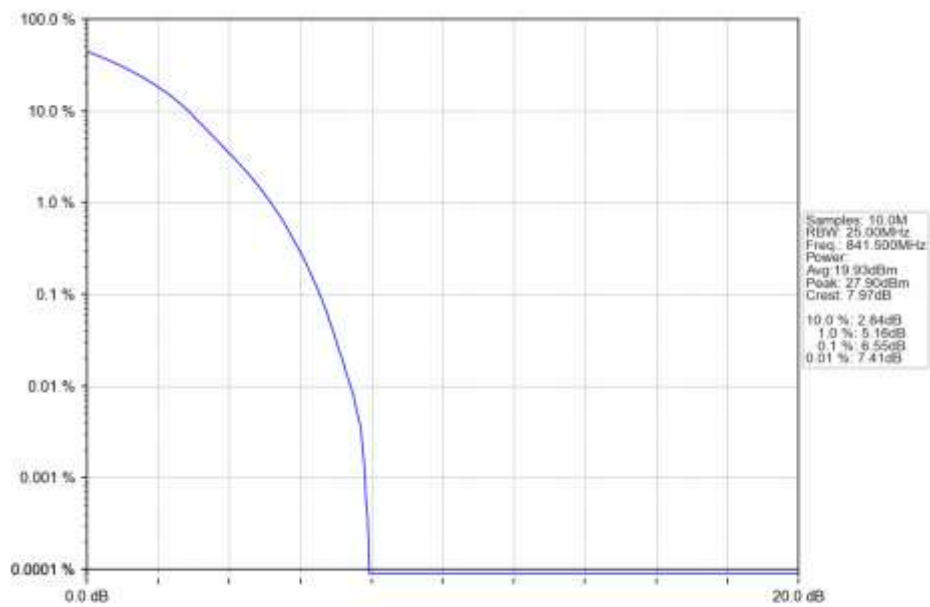
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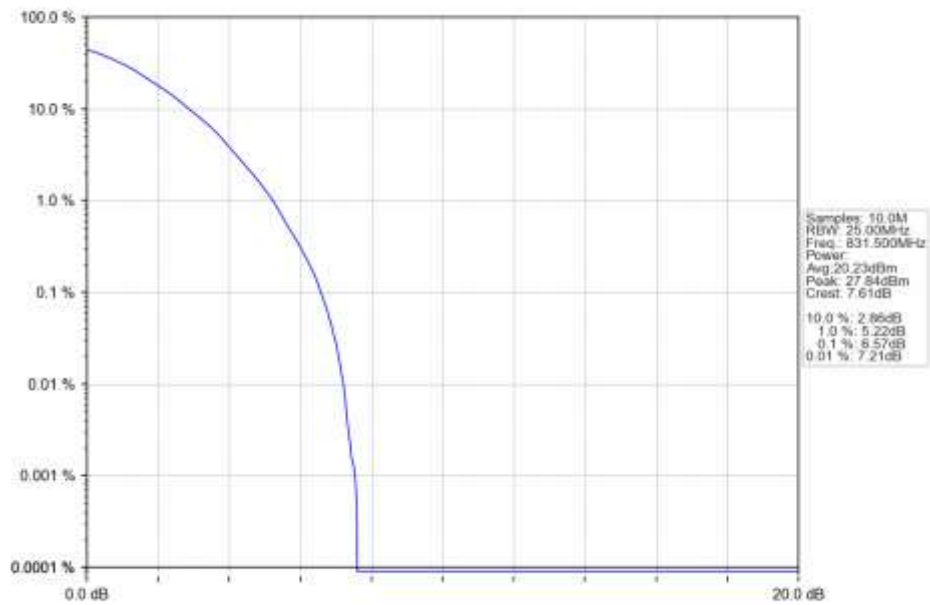
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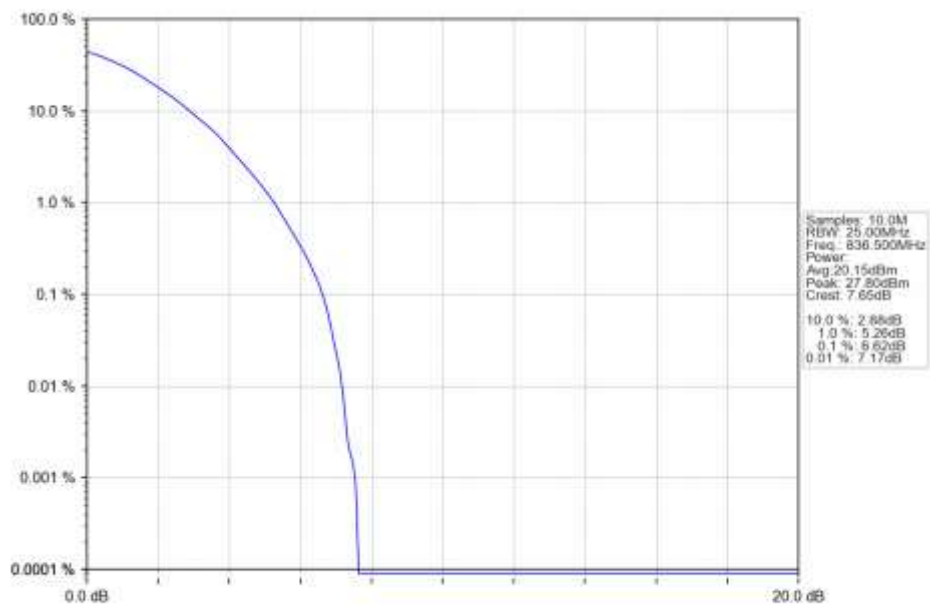
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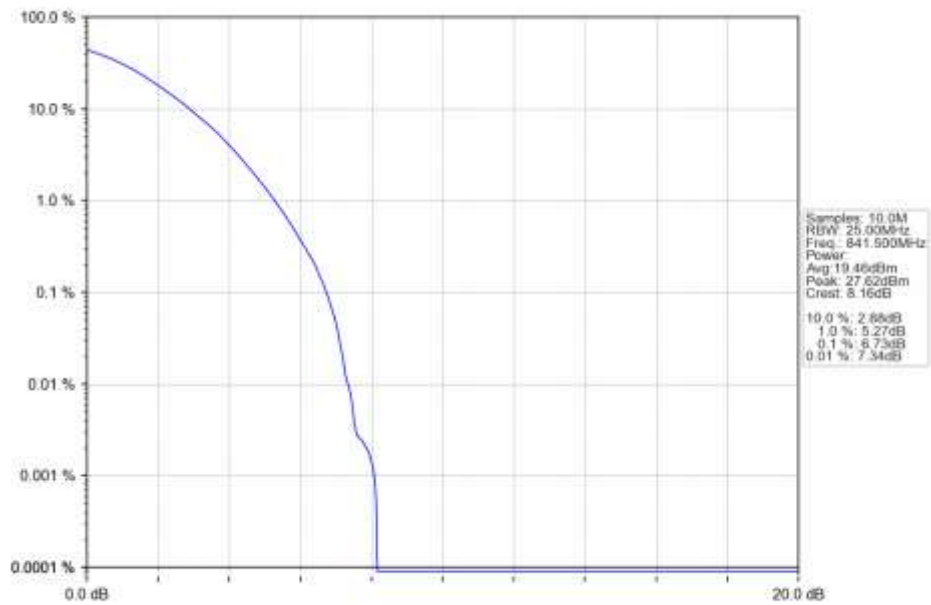
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full Ant1



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



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_841.5MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_831.5MHz_Outer_Full_Ant1

