

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
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	826.5	Edge 1RB Left	24.74	/	/	20.25	/	/	<=38.45	Pass
		Edge 1RB Right	24.56	/	/	20.07	/	/	<=38.45	Pass
		Outer Full	24.72	/	/	20.23	/	/	<=38.45	Pass
		Inner Full	25.13	/	/	20.64	/	/	<=38.45	Pass
		Inner 1RB Left	25.11	/	/	20.62	/	/	<=38.45	Pass
		Inner 1RB Right	25.12	/	/	20.63	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	24.62	/	/	20.13	/	/	<=38.45	Pass
		Edge 1RB Right	24.57	/	/	20.08	/	/	<=38.45	Pass
		Outer Full	24.57	/	/	20.08	/	/	<=38.45	Pass
		Inner Full	25.09	/	/	20.60	/	/	<=38.45	Pass
		Inner 1RB Left	25.17	/	/	20.68	/	/	<=38.45	Pass
		Inner 1RB Right	25.06	/	/	20.57	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	24.38	/	/	19.89	/	/	<=38.45	Pass
		Edge 1RB Right	24.31	/	/	19.82	/	/	<=38.45	Pass
		Outer Full	24.40	/	/	19.91	/	/	<=38.45	Pass
		Inner Full	24.94	/	/	20.45	/	/	<=38.45	Pass
		Inner 1RB Left	24.94	/	/	20.45	/	/	<=38.45	Pass
		Inner 1RB Right	24.85	/	/	20.36	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	826.5	Edge 1RB Left	24.31	/	/	19.82	/	/	<=38.45	Pass
		Edge 1RB Right	24.18	/	/	19.69	/	/	<=38.45	Pass
		Outer Full	24.21	/	/	19.72	/	/	<=38.45	Pass
		Inner Full	25.13	/	/	20.64	/	/	<=38.45	Pass
		Inner 1RB Left	25.27	/	/	20.78	/	/	<=38.45	Pass
		Inner 1RB Right	25.26	/	/	20.77	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	24.21	/	/	19.72	/	/	<=38.45	Pass
		Edge 1RB Right	24.13	/	/	19.64	/	/	<=38.45	Pass
		Outer Full	24.11	/	/	19.62	/	/	<=38.45	Pass
		Inner Full	25.12	/	/	20.63	/	/	<=38.45	Pass
		Inner 1RB Left	25.25	/	/	20.76	/	/	<=38.45	Pass
		Inner 1RB Right	25.20	/	/	20.71	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	23.96	/	/	19.47	/	/	<=38.45	Pass
		Edge 1RB Right	23.93	/	/	19.44	/	/	<=38.45	Pass
		Outer Full	23.92	/	/	19.43	/	/	<=38.45	Pass
		Inner Full	25.21	/	/	20.72	/	/	<=38.45	Pass
		Inner 1RB Left	25.15	/	/	20.66	/	/	<=38.45	Pass
		Inner 1RB Right	24.93	/	/	20.44	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge 1RB Left	23.37	/	/	18.88	/	/	<=38.45	Pass
		Edge 1RB Right	23.29	/	/	18.80	/	/	<=38.45	Pass
		Outer Full	23.19	/	/	18.70	/	/	<=38.45	Pass
		Inner Full	24.16	/	/	19.67	/	/	<=38.45	Pass
		Inner 1RB Left	24.38	/	/	19.89	/	/	<=38.45	Pass
		Inner 1RB Right	24.26	/	/	19.77	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	23.22	/	/	18.73	/	/	<=38.45	Pass
		Edge 1RB Right	23.13	/	/	18.64	/	/	<=38.45	Pass
		Outer Full	23.07	/	/	18.58	/	/	<=38.45	Pass
		Inner Full	24.00	/	/	19.51	/	/	<=38.45	Pass
		Inner 1RB Left	24.15	/	/	19.66	/	/	<=38.45	Pass
		Inner 1RB Right	24.17	/	/	19.68	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	23.04	/	/	18.55	/	/	<=38.45	Pass

		Edge_1RB_Right	22.94	/	/	18.45	/	/	<=38.45	Pass
		Outer_Full	22.98	/	/	18.49	/	/	<=38.45	Pass
		Inner_Full	23.78	/	/	19.29	/	/	<=38.45	Pass
		Inner_1RB_Left	24.01	/	/	19.52	/	/	<=38.45	Pass
		Inner_1RB_Right	24.01	/	/	19.52	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge_1RB_Left	22.95	/	/	18.46	/	/	<=38.45	Pass
		Edge_1RB_Right	22.84	/	/	18.35	/	/	<=38.45	Pass
		Outer_Full	22.86	/	/	18.37	/	/	<=38.45	Pass
		Inner_Full	22.77	/	/	18.28	/	/	<=38.45	Pass
		Inner_1RB_Left	22.94	/	/	18.45	/	/	<=38.45	Pass
		Inner_1RB_Right	22.84	/	/	18.35	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.73	/	/	18.24	/	/	<=38.45	Pass
		Edge_1RB_Right	22.77	/	/	18.28	/	/	<=38.45	Pass
		Outer_Full	22.70	/	/	18.21	/	/	<=38.45	Pass
		Inner_Full	22.63	/	/	18.14	/	/	<=38.45	Pass
		Inner_1RB_Left	22.77	/	/	18.28	/	/	<=38.45	Pass
		Inner_1RB_Right	22.76	/	/	18.27	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.54	/	/	18.05	/	/	<=38.45	Pass
		Edge_1RB_Right	22.51	/	/	18.02	/	/	<=38.45	Pass
		Outer_Full	22.49	/	/	18.00	/	/	<=38.45	Pass
		Inner_Full	22.45	/	/	17.96	/	/	<=38.45	Pass
		Inner_1RB_Left	22.62	/	/	18.13	/	/	<=38.45	Pass
		Inner_1RB_Right	22.50	/	/	18.01	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Edge_1RB_Left	20.48	/	/	15.99	/	/	<=38.45	Pass
		Edge_1RB_Right	20.44	/	/	15.95	/	/	<=38.45	Pass
		Outer_Full	20.62	/	/	16.13	/	/	<=38.45	Pass
		Inner_Full	20.59	/	/	16.10	/	/	<=38.45	Pass
		Inner_1RB_Left	20.47	/	/	15.98	/	/	<=38.45	Pass
		Inner_1RB_Right	20.47	/	/	15.98	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.35	/	/	15.86	/	/	<=38.45	Pass
		Edge_1RB_Right	20.37	/	/	15.88	/	/	<=38.45	Pass
		Outer_Full	20.49	/	/	16.00	/	/	<=38.45	Pass
		Inner_Full	20.46	/	/	15.97	/	/	<=38.45	Pass
		Inner_1RB_Left	20.41	/	/	15.92	/	/	<=38.45	Pass
		Inner_1RB_Right	20.33	/	/	15.84	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.21	/	/	15.72	/	/	<=38.45	Pass
		Edge_1RB_Right	20.08	/	/	15.59	/	/	<=38.45	Pass
		Outer_Full	20.29	/	/	15.80	/	/	<=38.45	Pass
		Inner_Full	20.21	/	/	15.72	/	/	<=38.45	Pass
		Inner_1RB_Left	20.22	/	/	15.73	/	/	<=38.45	Pass
		Inner_1RB_Right	20.04	/	/	15.55	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	22.30	/	/	17.81	/	/	<=38.45	Pass
		Edge_1RB_Right	22.26	/	/	17.77	/	/	<=38.45	Pass
		Outer_Full	22.18	/	/	17.69	/	/	<=38.45	Pass
		Inner_Full	23.76	/	/	19.27	/	/	<=38.45	Pass
		Inner_1RB_Left	23.77	/	/	19.28	/	/	<=38.45	Pass
		Inner_1RB_Right	23.88	/	/	19.39	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.13	/	/	17.64	/	/	<=38.45	Pass
		Edge_1RB_Right	22.16	/	/	17.67	/	/	<=38.45	Pass
		Outer_Full	22.19	/	/	17.70	/	/	<=38.45	Pass
		Inner_Full	23.68	/	/	19.19	/	/	<=38.45	Pass
		Inner_1RB_Left	23.60	/	/	19.11	/	/	<=38.45	Pass
		Inner_1RB_Right	23.62	/	/	19.13	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.02	/	/	17.53	/	/	<=38.45	Pass
		Edge_1RB_Right	21.98	/	/	17.49	/	/	<=38.45	Pass
		Outer_Full	21.99	/	/	17.50	/	/	<=38.45	Pass
		Inner_Full	23.46	/	/	18.97	/	/	<=38.45	Pass
		Inner_1RB_Left	23.55	/	/	19.06	/	/	<=38.45	Pass
		Inner_1RB_Right	23.47	/	/	18.98	/	/	<=38.45	Pass

CP-OFDM 16 QAM	826.5	Edge_1RB_Left	22.30	/	/	17.81	/	/	<=38.45	Pass
		Edge_1RB_Right	22.22	/	/	17.73	/	/	<=38.45	Pass
		Outer_Full	22.19	/	/	17.70	/	/	<=38.45	Pass
		Inner_Full	23.19	/	/	18.70	/	/	<=38.45	Pass
		Inner_1RB_Left	23.40	/	/	18.91	/	/	<=38.45	Pass
		Inner_1RB_Right	23.34	/	/	18.85	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.19	/	/	17.70	/	/	<=38.45	Pass
		Edge_1RB_Right	22.04	/	/	17.55	/	/	<=38.45	Pass
		Outer_Full	22.10	/	/	17.61	/	/	<=38.45	Pass
		Inner_Full	23.06	/	/	18.57	/	/	<=38.45	Pass
		Inner_1RB_Left	23.20	/	/	18.71	/	/	<=38.45	Pass
		Inner_1RB_Right	23.24	/	/	18.75	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.83	/	/	17.34	/	/	<=38.45	Pass
		Edge_1RB_Right	21.80	/	/	17.31	/	/	<=38.45	Pass
		Outer_Full	21.89	/	/	17.40	/	/	<=38.45	Pass
		Inner_Full	22.91	/	/	18.42	/	/	<=38.45	Pass
		Inner_1RB_Left	22.89	/	/	18.40	/	/	<=38.45	Pass
		Inner_1RB_Right	22.85	/	/	18.36	/	/	<=38.45	Pass
CP-OFDM 64 QAM	826.5	Edge_1RB_Left	21.86	/	/	17.37	/	/	<=38.45	Pass
		Edge_1RB_Right	21.82	/	/	17.33	/	/	<=38.45	Pass
		Outer_Full	21.86	/	/	17.37	/	/	<=38.45	Pass
		Inner_Full	21.71	/	/	17.22	/	/	<=38.45	Pass
		Inner_1RB_Left	21.91	/	/	17.42	/	/	<=38.45	Pass
		Inner_1RB_Right	21.85	/	/	17.36	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.69	/	/	17.20	/	/	<=38.45	Pass
		Edge_1RB_Right	21.74	/	/	17.25	/	/	<=38.45	Pass
		Outer_Full	21.64	/	/	17.15	/	/	<=38.45	Pass
		Inner_Full	21.65	/	/	17.16	/	/	<=38.45	Pass
		Inner_1RB_Left	21.80	/	/	17.31	/	/	<=38.45	Pass
		Inner_1RB_Right	21.73	/	/	17.24	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.57	/	/	17.08	/	/	<=38.45	Pass
		Edge_1RB_Right	21.55	/	/	17.06	/	/	<=38.45	Pass
		Outer_Full	21.56	/	/	17.07	/	/	<=38.45	Pass
		Inner_Full	21.38	/	/	16.89	/	/	<=38.45	Pass
		Inner_1RB_Left	21.59	/	/	17.10	/	/	<=38.45	Pass
		Inner_1RB_Right	21.54	/	/	17.05	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge_1RB_Left	18.39	/	/	13.90	/	/	<=38.45	Pass
		Edge_1RB_Right	18.35	/	/	13.86	/	/	<=38.45	Pass
		Outer_Full	18.65	/	/	14.16	/	/	<=38.45	Pass
		Inner_Full	18.68	/	/	14.19	/	/	<=38.45	Pass
		Inner_1RB_Left	18.45	/	/	13.96	/	/	<=38.45	Pass
		Inner_1RB_Right	18.34	/	/	13.85	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.26	/	/	13.77	/	/	<=38.45	Pass
		Edge_1RB_Right	18.25	/	/	13.76	/	/	<=38.45	Pass
		Outer_Full	18.53	/	/	14.04	/	/	<=38.45	Pass
		Inner_Full	18.62	/	/	14.13	/	/	<=38.45	Pass
		Inner_1RB_Left	18.25	/	/	13.76	/	/	<=38.45	Pass
		Inner_1RB_Right	18.33	/	/	13.84	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	18.28	/	/	13.79	/	/	<=38.45	Pass
		Edge_1RB_Right	18.09	/	/	13.60	/	/	<=38.45	Pass
		Outer_Full	18.36	/	/	13.87	/	/	<=38.45	Pass
		Inner_Full	18.51	/	/	14.02	/	/	<=38.45	Pass
		Inner_1RB_Left	18.21	/	/	13.72	/	/	<=38.45	Pass
		Inner_1RB_Right	18.04	/	/	13.55	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant11: -2.34dBi;										
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
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	829	Edge_1RB_Left	24.36	/	/	19.87	/	/	<=38.45	Pass
		Edge_1RB_Right	24.27	/	/	19.78	/	/	<=38.45	Pass
		Outer_Full	24.52	/	/	20.03	/	/	<=38.45	Pass
		Inner_Full	25.01	/	/	20.52	/	/	<=38.45	Pass
		Inner_1RB_Left	24.90	/	/	20.41	/	/	<=38.45	Pass
		Inner_1RB_Right	24.83	/	/	20.34	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	24.44	/	/	19.95	/	/	<=38.45	Pass
		Edge_1RB_Right	24.29	/	/	19.80	/	/	<=38.45	Pass
		Outer_Full	24.46	/	/	19.97	/	/	<=38.45	Pass
		Inner_Full	24.91	/	/	20.42	/	/	<=38.45	Pass
		Inner_1RB_Left	24.90	/	/	20.41	/	/	<=38.45	Pass
		Inner_1RB_Right	24.79	/	/	20.30	/	/	<=38.45	Pass
	844	Edge_1RB_Left	24.24	/	/	19.75	/	/	<=38.45	Pass
		Edge_1RB_Right	24.10	/	/	19.61	/	/	<=38.45	Pass
		Outer_Full	24.36	/	/	19.87	/	/	<=38.45	Pass
		Inner_Full	24.84	/	/	20.35	/	/	<=38.45	Pass
		Inner_1RB_Left	24.83	/	/	20.34	/	/	<=38.45	Pass
		Inner_1RB_Right	24.67	/	/	20.18	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	829	Edge_1RB_Left	24.01	/	/	19.52	/	/	<=38.45	Pass
		Edge_1RB_Right	23.89	/	/	19.40	/	/	<=38.45	Pass
		Outer_Full	23.98	/	/	19.49	/	/	<=38.45	Pass
		Inner_Full	24.97	/	/	20.48	/	/	<=38.45	Pass
		Inner_1RB_Left	25.04	/	/	20.55	/	/	<=38.45	Pass
		Inner_1RB_Right	24.98	/	/	20.49	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	24.00	/	/	19.51	/	/	<=38.45	Pass
		Edge_1RB_Right	23.86	/	/	19.37	/	/	<=38.45	Pass
		Outer_Full	23.92	/	/	19.43	/	/	<=38.45	Pass
		Inner_Full	24.96	/	/	20.47	/	/	<=38.45	Pass
		Inner_1RB_Left	25.00	/	/	20.51	/	/	<=38.45	Pass
		Inner_1RB_Right	24.95	/	/	20.46	/	/	<=38.45	Pass
	844	Edge_1RB_Left	23.87	/	/	19.38	/	/	<=38.45	Pass
		Edge_1RB_Right	23.71	/	/	19.22	/	/	<=38.45	Pass
		Outer_Full	23.87	/	/	19.38	/	/	<=38.45	Pass
		Inner_Full	24.82	/	/	20.33	/	/	<=38.45	Pass
		Inner_1RB_Left	24.93	/	/	20.44	/	/	<=38.45	Pass
		Inner_1RB_Right	24.75	/	/	20.26	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge_1RB_Left	23.07	/	/	18.58	/	/	<=38.45	Pass
		Edge_1RB_Right	22.97	/	/	18.48	/	/	<=38.45	Pass
		Outer_Full	22.99	/	/	18.50	/	/	<=38.45	Pass
		Inner_Full	23.97	/	/	19.48	/	/	<=38.45	Pass
		Inner_1RB_Left	24.10	/	/	19.61	/	/	<=38.45	Pass
		Inner_1RB_Right	23.97	/	/	19.48	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.05	/	/	18.56	/	/	<=38.45	Pass
		Edge_1RB_Right	22.83	/	/	18.34	/	/	<=38.45	Pass
		Outer_Full	22.93	/	/	18.44	/	/	<=38.45	Pass
		Inner_Full	23.92	/	/	19.43	/	/	<=38.45	Pass
		Inner_1RB_Left	24.00	/	/	19.51	/	/	<=38.45	Pass
		Inner_1RB_Right	23.93	/	/	19.44	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.89	/	/	18.40	/	/	<=38.45	Pass
		Edge_1RB_Right	22.71	/	/	18.22	/	/	<=38.45	Pass
		Outer_Full	22.82	/	/	18.33	/	/	<=38.45	Pass
		Inner_Full	23.78	/	/	19.29	/	/	<=38.45	Pass
		Inner_1RB_Left	23.91	/	/	19.42	/	/	<=38.45	Pass
		Inner_1RB_Right	23.74	/	/	19.25	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge_1RB_Left	22.69	/	/	18.20	/	/	<=38.45	Pass
		Edge_1RB_Right	22.41	/	/	17.92	/	/	<=38.45	Pass

		Outer_Full	22.54	/	/	18.05	/	/	<=38.45	Pass
		Inner_Full	22.56	/	/	18.07	/	/	<=38.45	Pass
		Inner_1RB_Left	22.59	/	/	18.10	/	/	<=38.45	Pass
		Inner_1RB_Right	22.41	/	/	17.92	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.65	/	/	18.16	/	/	<=38.45	Pass
		Edge_1RB_Right	22.43	/	/	17.94	/	/	<=38.45	Pass
		Outer_Full	22.44	/	/	17.95	/	/	<=38.45	Pass
		Inner_Full	22.50	/	/	18.01	/	/	<=38.45	Pass
		Inner_1RB_Left	22.56	/	/	18.07	/	/	<=38.45	Pass
		Inner_1RB_Right	22.45	/	/	17.96	/	/	<=38.45	Pass
		Edge_1RB_Left	22.44	/	/	17.95	/	/	<=38.45	Pass
		Edge_1RB_Right	22.24	/	/	17.75	/	/	<=38.45	Pass
	844	Outer_Full	22.29	/	/	17.80	/	/	<=38.45	Pass
		Inner_Full	22.44	/	/	17.95	/	/	<=38.45	Pass
		Inner_1RB_Left	22.55	/	/	18.06	/	/	<=38.45	Pass
		Inner_1RB_Right	22.33	/	/	17.84	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge_1RB_Left	20.15	/	/	15.66	/	/	<=38.45	Pass
		Edge_1RB_Right	20.07	/	/	15.58	/	/	<=38.45	Pass
		Outer_Full	20.39	/	/	15.90	/	/	<=38.45	Pass
		Inner_Full	20.38	/	/	15.89	/	/	<=38.45	Pass
		Inner_1RB_Left	20.27	/	/	15.78	/	/	<=38.45	Pass
		Inner_1RB_Right	20.16	/	/	15.67	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.12	/	/	15.63	/	/	<=38.45	Pass
		Edge_1RB_Right	20.10	/	/	15.61	/	/	<=38.45	Pass
		Outer_Full	20.40	/	/	15.91	/	/	<=38.45	Pass
		Inner_Full	20.31	/	/	15.82	/	/	<=38.45	Pass
		Inner_1RB_Left	20.16	/	/	15.67	/	/	<=38.45	Pass
		Inner_1RB_Right	20.13	/	/	15.64	/	/	<=38.45	Pass
	844	Edge_1RB_Left	19.98	/	/	15.49	/	/	<=38.45	Pass
		Edge_1RB_Right	19.80	/	/	15.31	/	/	<=38.45	Pass
		Outer_Full	20.25	/	/	15.76	/	/	<=38.45	Pass
		Inner_Full	20.24	/	/	15.75	/	/	<=38.45	Pass
		Inner_1RB_Left	20.08	/	/	15.59	/	/	<=38.45	Pass
		Inner_1RB_Right	19.84	/	/	15.35	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge_1RB_Left	22.10	/	/	17.61	/	/	<=38.45	Pass
		Edge_1RB_Right	21.99	/	/	17.50	/	/	<=38.45	Pass
		Outer_Full	21.89	/	/	17.40	/	/	<=38.45	Pass
		Inner_Full	23.49	/	/	19.00	/	/	<=38.45	Pass
		Inner_1RB_Left	23.57	/	/	19.08	/	/	<=38.45	Pass
		Inner_1RB_Right	23.44	/	/	18.95	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.95	/	/	17.46	/	/	<=38.45	Pass
		Edge_1RB_Right	21.86	/	/	17.37	/	/	<=38.45	Pass
		Outer_Full	22.05	/	/	17.56	/	/	<=38.45	Pass
		Inner_Full	23.40	/	/	18.91	/	/	<=38.45	Pass
		Inner_1RB_Left	23.48	/	/	18.99	/	/	<=38.45	Pass
		Inner_1RB_Right	23.46	/	/	18.97	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.91	/	/	17.42	/	/	<=38.45	Pass
		Edge_1RB_Right	21.71	/	/	17.22	/	/	<=38.45	Pass
		Outer_Full	21.86	/	/	17.37	/	/	<=38.45	Pass
		Inner_Full	23.29	/	/	18.80	/	/	<=38.45	Pass
		Inner_1RB_Left	23.38	/	/	18.89	/	/	<=38.45	Pass
		Inner_1RB_Right	23.22	/	/	18.73	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Edge_1RB_Left	22.02	/	/	17.53	/	/	<=38.45	Pass
		Edge_1RB_Right	21.90	/	/	17.41	/	/	<=38.45	Pass
		Outer_Full	22.07	/	/	17.58	/	/	<=38.45	Pass
		Inner_Full	23.01	/	/	18.52	/	/	<=38.45	Pass
		Inner_1RB_Left	22.99	/	/	18.50	/	/	<=38.45	Pass
		Inner_1RB_Right	22.85	/	/	18.36	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.08	/	/	17.59	/	/	<=38.45	Pass

		Edge_1RB_Right	22.07	/	/	17.58	/	/	<=38.45	Pass
		Outer_Full	22.08	/	/	17.59	/	/	<=38.45	Pass
		Inner_Full	22.98	/	/	18.49	/	/	<=38.45	Pass
		Inner_1RB_Left	22.92	/	/	18.43	/	/	<=38.45	Pass
		Inner_1RB_Right	22.81	/	/	18.32	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.83	/	/	17.34	/	/	<=38.45	Pass
		Edge_1RB_Right	21.69	/	/	17.20	/	/	<=38.45	Pass
		Outer_Full	21.89	/	/	17.40	/	/	<=38.45	Pass
		Inner_Full	22.85	/	/	18.36	/	/	<=38.45	Pass
		Inner_1RB_Left	22.84	/	/	18.35	/	/	<=38.45	Pass
	Inner_1RB_Right	22.60	/	/	18.11	/	/	<=38.45	Pass	
CP-OFDM 64 QAM	829	Edge_1RB_Left	21.66	/	/	17.17	/	/	<=38.45	Pass
		Edge_1RB_Right	21.48	/	/	16.99	/	/	<=38.45	Pass
		Outer_Full	21.49	/	/	17.00	/	/	<=38.45	Pass
		Inner_Full	21.52	/	/	17.03	/	/	<=38.45	Pass
		Inner_1RB_Left	21.65	/	/	17.16	/	/	<=38.45	Pass
		Inner_1RB_Right	21.60	/	/	17.11	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.51	/	/	17.02	/	/	<=38.45	Pass
		Edge_1RB_Right	21.55	/	/	17.06	/	/	<=38.45	Pass
		Outer_Full	21.41	/	/	16.92	/	/	<=38.45	Pass
		Inner_Full	21.57	/	/	17.08	/	/	<=38.45	Pass
		Inner_1RB_Left	21.55	/	/	17.06	/	/	<=38.45	Pass
		Inner_1RB_Right	21.58	/	/	17.09	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.51	/	/	17.02	/	/	<=38.45	Pass
		Edge_1RB_Right	21.22	/	/	16.73	/	/	<=38.45	Pass
		Outer_Full	21.26	/	/	16.77	/	/	<=38.45	Pass
		Inner_Full	21.29	/	/	16.80	/	/	<=38.45	Pass
		Inner_1RB_Left	21.48	/	/	16.99	/	/	<=38.45	Pass
		Inner_1RB_Right	21.24	/	/	16.75	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Edge_1RB_Left	18.17	/	/	13.68	/	/	<=38.45	Pass
		Edge_1RB_Right	18.02	/	/	13.53	/	/	<=38.45	Pass
		Outer_Full	18.49	/	/	14.00	/	/	<=38.45	Pass
		Inner_Full	18.37	/	/	13.88	/	/	<=38.45	Pass
		Inner_1RB_Left	18.15	/	/	13.66	/	/	<=38.45	Pass
		Inner_1RB_Right	17.98	/	/	13.49	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.13	/	/	13.64	/	/	<=38.45	Pass
		Edge_1RB_Right	18.06	/	/	13.57	/	/	<=38.45	Pass
		Outer_Full	18.57	/	/	14.08	/	/	<=38.45	Pass
		Inner_Full	18.40	/	/	13.91	/	/	<=38.45	Pass
		Inner_1RB_Left	18.14	/	/	13.65	/	/	<=38.45	Pass
		Inner_1RB_Right	18.11	/	/	13.62	/	/	<=38.45	Pass
	844	Edge_1RB_Left	18.05	/	/	13.56	/	/	<=38.45	Pass
		Edge_1RB_Right	17.90	/	/	13.41	/	/	<=38.45	Pass
		Outer_Full	18.27	/	/	13.78	/	/	<=38.45	Pass
		Inner_Full	18.25	/	/	13.76	/	/	<=38.45	Pass
		Inner_1RB_Left	18.07	/	/	13.58	/	/	<=38.45	Pass
		Inner_1RB_Right	17.89	/	/	13.40	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant11: -2.34dBi; 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
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	831.5	Edge_1RB_Left	24.61	/	/	20.12	/	/	<=38.45	Pass
		Edge_1RB_Right	24.46	/	/	19.97	/	/	<=38.45	Pass
		Outer_Full	24.68	/	/	20.19	/	/	<=38.45	Pass

		Inner_Full	24.99	/	/	20.50	/	/	<=38.45	Pass
		Inner_1RB_Left	25.03	/	/	20.54	/	/	<=38.45	Pass
		Inner_1RB_Right	24.95	/	/	20.46	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	24.64	/	/	20.15	/	/	<=38.45	Pass
		Edge_1RB_Right	24.38	/	/	19.89	/	/	<=38.45	Pass
		Outer_Full	24.64	/	/	20.15	/	/	<=38.45	Pass
		Inner_Full	25.12	/	/	20.63	/	/	<=38.45	Pass
		Inner_1RB_Left	25.08	/	/	20.59	/	/	<=38.45	Pass
		Inner_1RB_Right	24.86	/	/	20.37	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	24.56	/	/	20.07	/	/	<=38.45	Pass
		Edge_1RB_Right	24.36	/	/	19.87	/	/	<=38.45	Pass
		Outer_Full	24.57	/	/	20.08	/	/	<=38.45	Pass
		Inner_Full	25.06	/	/	20.57	/	/	<=38.45	Pass
		Inner_1RB_Left	24.91	/	/	20.42	/	/	<=38.45	Pass
		Inner_1RB_Right	24.81	/	/	20.32	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	831.5	Edge_1RB_Left	24.09	/	/	19.60	/	/	<=38.45	Pass
		Edge_1RB_Right	24.02	/	/	19.53	/	/	<=38.45	Pass
		Outer_Full	24.07	/	/	19.58	/	/	<=38.45	Pass
		Inner_Full	25.06	/	/	20.57	/	/	<=38.45	Pass
		Inner_1RB_Left	25.16	/	/	20.67	/	/	<=38.45	Pass
		Inner_1RB_Right	25.15	/	/	20.66	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	24.19	/	/	19.70	/	/	<=38.45	Pass
		Edge_1RB_Right	23.94	/	/	19.45	/	/	<=38.45	Pass
		Outer_Full	24.07	/	/	19.58	/	/	<=38.45	Pass
		Inner_Full	25.10	/	/	20.61	/	/	<=38.45	Pass
		Inner_1RB_Left	25.35	/	/	20.86	/	/	<=38.45	Pass
		Inner_1RB_Right	25.12	/	/	20.63	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	24.18	/	/	19.69	/	/	<=38.45	Pass
		Edge_1RB_Right	23.68	/	/	19.19	/	/	<=38.45	Pass
		Outer_Full	24.00	/	/	19.51	/	/	<=38.45	Pass
		Inner_Full	25.05	/	/	20.56	/	/	<=38.45	Pass
		Inner_1RB_Left	25.25	/	/	20.76	/	/	<=38.45	Pass
		Inner_1RB_Right	24.99	/	/	20.50	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge_1RB_Left	23.10	/	/	18.61	/	/	<=38.45	Pass
		Edge_1RB_Right	23.01	/	/	18.52	/	/	<=38.45	Pass
		Outer_Full	23.02	/	/	18.53	/	/	<=38.45	Pass
		Inner_Full	24.07	/	/	19.58	/	/	<=38.45	Pass
		Inner_1RB_Left	24.12	/	/	19.63	/	/	<=38.45	Pass
		Inner_1RB_Right	24.03	/	/	19.54	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.20	/	/	18.71	/	/	<=38.45	Pass
		Edge_1RB_Right	23.04	/	/	18.55	/	/	<=38.45	Pass
		Outer_Full	23.13	/	/	18.64	/	/	<=38.45	Pass
		Inner_Full	24.06	/	/	19.57	/	/	<=38.45	Pass
		Inner_1RB_Left	24.26	/	/	19.77	/	/	<=38.45	Pass
		Inner_1RB_Right	24.13	/	/	19.64	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.13	/	/	18.64	/	/	<=38.45	Pass
		Edge_1RB_Right	22.81	/	/	18.32	/	/	<=38.45	Pass
		Outer_Full	23.05	/	/	18.56	/	/	<=38.45	Pass
		Inner_Full	24.01	/	/	19.52	/	/	<=38.45	Pass
		Inner_1RB_Left	24.19	/	/	19.70	/	/	<=38.45	Pass
		Inner_1RB_Right	23.90	/	/	19.41	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge_1RB_Left	22.75	/	/	18.26	/	/	<=38.45	Pass
		Edge_1RB_Right	22.61	/	/	18.12	/	/	<=38.45	Pass
		Outer_Full	22.60	/	/	18.11	/	/	<=38.45	Pass
		Inner_Full	22.60	/	/	18.11	/	/	<=38.45	Pass
		Inner_1RB_Left	22.74	/	/	18.25	/	/	<=38.45	Pass
		Inner_1RB_Right	22.57	/	/	18.08	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.83	/	/	18.34	/	/	<=38.45	Pass
		Edge_1RB_Right	22.62	/	/	18.13	/	/	<=38.45	Pass

		Outer_Full	22.61	/	/	18.12	/	/	<=38.45	Pass
		Inner_Full	22.58	/	/	18.09	/	/	<=38.45	Pass
		Inner_1RB_Left	22.85	/	/	18.36	/	/	<=38.45	Pass
		Inner_1RB_Right	22.73	/	/	18.24	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.79	/	/	18.30	/	/	<=38.45	Pass
		Edge_1RB_Right	22.60	/	/	18.11	/	/	<=38.45	Pass
		Outer_Full	22.47	/	/	17.98	/	/	<=38.45	Pass
		Inner_Full	22.57	/	/	18.08	/	/	<=38.45	Pass
		Inner_1RB_Left	22.73	/	/	18.24	/	/	<=38.45	Pass
		Inner_1RB_Right	22.59	/	/	18.10	/	/	<=38.45	Pass
		Edge_1RB_Left	20.43	/	/	15.94	/	/	<=38.45	Pass
		Edge_1RB_Right	20.12	/	/	15.63	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	20.59	/	/	16.10	/	/	<=38.45	Pass
		Inner_Full	20.56	/	/	16.07	/	/	<=38.45	Pass
		Inner_1RB_Left	20.38	/	/	15.89	/	/	<=38.45	Pass
		Inner_1RB_Right	20.16	/	/	15.67	/	/	<=38.45	Pass
		Edge_1RB_Left	20.33	/	/	15.84	/	/	<=38.45	Pass
		Edge_1RB_Right	20.15	/	/	15.66	/	/	<=38.45	Pass
	836.5	Outer_Full	20.57	/	/	16.08	/	/	<=38.45	Pass
		Inner_Full	20.53	/	/	16.04	/	/	<=38.45	Pass
		Inner_1RB_Left	20.51	/	/	16.02	/	/	<=38.45	Pass
		Inner_1RB_Right	20.20	/	/	15.71	/	/	<=38.45	Pass
		Edge_1RB_Left	20.30	/	/	15.81	/	/	<=38.45	Pass
		Edge_1RB_Right	20.11	/	/	15.62	/	/	<=38.45	Pass
	841.5	Outer_Full	20.57	/	/	16.08	/	/	<=38.45	Pass
		Inner_Full	20.51	/	/	16.02	/	/	<=38.45	Pass
		Inner_1RB_Left	20.35	/	/	15.86	/	/	<=38.45	Pass
		Inner_1RB_Right	20.12	/	/	15.63	/	/	<=38.45	Pass
		Edge_1RB_Left	22.20	/	/	17.71	/	/	<=38.45	Pass
		Edge_1RB_Right	21.99	/	/	17.50	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Outer_Full	22.21	/	/	17.72	/	/	<=38.45	Pass
		Inner_Full	23.56	/	/	19.07	/	/	<=38.45	Pass
		Inner_1RB_Left	23.64	/	/	19.15	/	/	<=38.45	Pass
		Inner_1RB_Right	23.43	/	/	18.94	/	/	<=38.45	Pass
		Edge_1RB_Left	22.25	/	/	17.76	/	/	<=38.45	Pass
		Edge_1RB_Right	22.04	/	/	17.55	/	/	<=38.45	Pass
	836.5	Outer_Full	22.22	/	/	17.73	/	/	<=38.45	Pass
		Inner_Full	23.73	/	/	19.24	/	/	<=38.45	Pass
		Inner_1RB_Left	23.72	/	/	19.23	/	/	<=38.45	Pass
		Inner_1RB_Right	23.54	/	/	19.05	/	/	<=38.45	Pass
		Edge_1RB_Left	22.20	/	/	17.71	/	/	<=38.45	Pass
		Edge_1RB_Right	22.04	/	/	17.55	/	/	<=38.45	Pass
	841.5	Outer_Full	22.17	/	/	17.68	/	/	<=38.45	Pass
		Inner_Full	23.54	/	/	19.05	/	/	<=38.45	Pass
		Inner_1RB_Left	23.66	/	/	19.17	/	/	<=38.45	Pass
		Inner_1RB_Right	23.45	/	/	18.96	/	/	<=38.45	Pass
		Edge_1RB_Left	22.00	/	/	17.51	/	/	<=38.45	Pass
		Edge_1RB_Right	21.94	/	/	17.45	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	21.99	/	/	17.50	/	/	<=38.45	Pass
		Inner_Full	23.08	/	/	18.59	/	/	<=38.45	Pass
		Inner_1RB_Left	23.19	/	/	18.70	/	/	<=38.45	Pass
		Inner_1RB_Right	23.09	/	/	18.60	/	/	<=38.45	Pass
		Edge_1RB_Left	22.10	/	/	17.61	/	/	<=38.45	Pass
		Edge_1RB_Right	21.99	/	/	17.50	/	/	<=38.45	Pass
	836.5	Outer_Full	22.13	/	/	17.64	/	/	<=38.45	Pass
		Inner_Full	23.12	/	/	18.63	/	/	<=38.45	Pass
		Inner_1RB_Left	23.22	/	/	18.73	/	/	<=38.45	Pass
		Inner_1RB_Right	23.01	/	/	18.52	/	/	<=38.45	Pass
		Edge_1RB_Left	22.17	/	/	17.68	/	/	<=38.45	Pass

		Edge_1RB_Right	21.97	/	/	17.48	/	/	<=38.45	Pass
		Outer_Full	22.03	/	/	17.54	/	/	<=38.45	Pass
		Inner_Full	23.10	/	/	18.61	/	/	<=38.45	Pass
		Inner_1RB_Left	23.12	/	/	18.63	/	/	<=38.45	Pass
		Inner_1RB_Right	22.94	/	/	18.45	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	21.83	/	/	17.34	/	/	<=38.45	Pass
		Edge_1RB_Right	21.59	/	/	17.10	/	/	<=38.45	Pass
		Outer_Full	21.66	/	/	17.17	/	/	<=38.45	Pass
		Inner_Full	21.64	/	/	17.15	/	/	<=38.45	Pass
		Inner_1RB_Left	21.80	/	/	17.31	/	/	<=38.45	Pass
		Inner_1RB_Right	21.68	/	/	17.19	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.73	/	/	17.24	/	/	<=38.45	Pass
		Edge_1RB_Right	21.65	/	/	17.16	/	/	<=38.45	Pass
		Outer_Full	21.69	/	/	17.20	/	/	<=38.45	Pass
		Inner_Full	21.68	/	/	17.19	/	/	<=38.45	Pass
		Inner_1RB_Left	21.74	/	/	17.25	/	/	<=38.45	Pass
		Inner_1RB_Right	21.70	/	/	17.21	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.69	/	/	17.20	/	/	<=38.45	Pass
		Edge_1RB_Right	21.52	/	/	17.03	/	/	<=38.45	Pass
		Outer_Full	21.59	/	/	17.10	/	/	<=38.45	Pass
		Inner_Full	21.59	/	/	17.10	/	/	<=38.45	Pass
		Inner_1RB_Left	21.72	/	/	17.23	/	/	<=38.45	Pass
		Inner_1RB_Right	21.55	/	/	17.06	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Edge_1RB_Left	18.39	/	/	13.90	/	/	<=38.45	Pass
		Edge_1RB_Right	18.18	/	/	13.69	/	/	<=38.45	Pass
		Outer_Full	18.54	/	/	14.05	/	/	<=38.45	Pass
		Inner_Full	18.59	/	/	14.10	/	/	<=38.45	Pass
		Inner_1RB_Left	18.39	/	/	13.90	/	/	<=38.45	Pass
		Inner_1RB_Right	18.18	/	/	13.69	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.50	/	/	14.01	/	/	<=38.45	Pass
		Edge_1RB_Right	18.06	/	/	13.57	/	/	<=38.45	Pass
		Outer_Full	18.66	/	/	14.17	/	/	<=38.45	Pass
		Inner_Full	18.65	/	/	14.16	/	/	<=38.45	Pass
		Inner_1RB_Left	18.46	/	/	13.97	/	/	<=38.45	Pass
		Inner_1RB_Right	18.16	/	/	13.67	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	18.29	/	/	13.80	/	/	<=38.45	Pass
		Edge_1RB_Right	18.02	/	/	13.53	/	/	<=38.45	Pass
		Outer_Full	18.51	/	/	14.02	/	/	<=38.45	Pass
		Inner_Full	18.57	/	/	14.08	/	/	<=38.45	Pass
		Inner_1RB_Left	18.25	/	/	13.76	/	/	<=38.45	Pass
		Inner_1RB_Right	18.06	/	/	13.57	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant11: -2.34dBi; 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
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Edge_1RB_Left	24.51	/	/	20.02	/	/	<=38.45	Pass
		Edge_1RB_Right	24.36	/	/	19.87	/	/	<=38.45	Pass
		Outer_Full	24.59	/	/	20.10	/	/	<=38.45	Pass
		Inner_Full	25.00	/	/	20.51	/	/	<=38.45	Pass
		Inner_1RB_Left	25.02	/	/	20.53	/	/	<=38.45	Pass
		Inner_1RB_Right	24.82	/	/	20.33	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	24.62	/	/	20.13	/	/	<=38.45	Pass
		Edge_1RB_Right	24.42	/	/	19.93	/	/	<=38.45	Pass
		Outer_Full	24.67	/	/	20.18	/	/	<=38.45	Pass

		Inner Full	25.11	/	/	20.62	/	/	<=38.45	Pass
		Inner 1RB Left	25.11	/	/	20.62	/	/	<=38.45	Pass
		Inner 1RB Right	24.89	/	/	20.40	/	/	<=38.45	Pass
	839	Edge 1RB Left	24.60	/	/	20.11	/	/	<=38.45	Pass
		Edge 1RB Right	24.34	/	/	19.85	/	/	<=38.45	Pass
		Outer Full	24.52	/	/	20.03	/	/	<=38.45	Pass
		Inner Full	25.13	/	/	20.64	/	/	<=38.45	Pass
		Inner 1RB Left	25.02	/	/	20.53	/	/	<=38.45	Pass
		Inner 1RB Right	24.78	/	/	20.29	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	834	Edge 1RB Left	23.99	/	/	19.50	/	/	<=38.45	Pass
		Edge 1RB Right	24.06	/	/	19.57	/	/	<=38.45	Pass
		Outer Full	24.06	/	/	19.57	/	/	<=38.45	Pass
		Inner Full	25.09	/	/	20.60	/	/	<=38.45	Pass
		Inner 1RB Left	25.15	/	/	20.66	/	/	<=38.45	Pass
		Inner 1RB Right	24.80	/	/	20.31	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	24.18	/	/	19.69	/	/	<=38.45	Pass
		Edge 1RB Right	23.99	/	/	19.50	/	/	<=38.45	Pass
		Outer Full	24.12	/	/	19.63	/	/	<=38.45	Pass
		Inner Full	25.12	/	/	20.63	/	/	<=38.45	Pass
		Inner 1RB Left	25.36	/	/	20.87	/	/	<=38.45	Pass
		Inner 1RB Right	24.92	/	/	20.43	/	/	<=38.45	Pass
	839	Edge 1RB Left	24.30	/	/	19.81	/	/	<=38.45	Pass
		Edge 1RB Right	23.67	/	/	19.18	/	/	<=38.45	Pass
		Outer Full	24.14	/	/	19.65	/	/	<=38.45	Pass
		Inner Full	25.18	/	/	20.69	/	/	<=38.45	Pass
		Inner 1RB Left	25.28	/	/	20.79	/	/	<=38.45	Pass
		Inner 1RB Right	24.96	/	/	20.47	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge 1RB Left	23.19	/	/	18.70	/	/	<=38.45	Pass
		Edge 1RB Right	22.89	/	/	18.40	/	/	<=38.45	Pass
		Outer Full	23.06	/	/	18.57	/	/	<=38.45	Pass
		Inner Full	23.98	/	/	19.49	/	/	<=38.45	Pass
		Inner 1RB Left	24.14	/	/	19.65	/	/	<=38.45	Pass
		Inner 1RB Right	23.97	/	/	19.48	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	23.23	/	/	18.74	/	/	<=38.45	Pass
		Edge 1RB Right	22.96	/	/	18.47	/	/	<=38.45	Pass
		Outer Full	23.16	/	/	18.67	/	/	<=38.45	Pass
		Inner Full	24.06	/	/	19.57	/	/	<=38.45	Pass
		Inner 1RB Left	24.25	/	/	19.76	/	/	<=38.45	Pass
		Inner 1RB Right	24.00	/	/	19.51	/	/	<=38.45	Pass
	839	Edge 1RB Left	23.19	/	/	18.70	/	/	<=38.45	Pass
		Edge 1RB Right	22.87	/	/	18.38	/	/	<=38.45	Pass
		Outer Full	23.14	/	/	18.65	/	/	<=38.45	Pass
		Inner Full	24.01	/	/	19.52	/	/	<=38.45	Pass
		Inner 1RB Left	24.23	/	/	19.74	/	/	<=38.45	Pass
		Inner 1RB Right	23.86	/	/	19.37	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Edge 1RB Left	22.63	/	/	18.14	/	/	<=38.45	Pass
		Edge 1RB Right	22.46	/	/	17.97	/	/	<=38.45	Pass
		Outer Full	22.49	/	/	18.00	/	/	<=38.45	Pass
		Inner Full	22.62	/	/	18.13	/	/	<=38.45	Pass
		Inner 1RB Left	22.75	/	/	18.26	/	/	<=38.45	Pass
		Inner 1RB Right	22.54	/	/	18.05	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.87	/	/	18.38	/	/	<=38.45	Pass
		Edge 1RB Right	22.56	/	/	18.07	/	/	<=38.45	Pass
		Outer Full	22.56	/	/	18.07	/	/	<=38.45	Pass
		Inner Full	22.70	/	/	18.21	/	/	<=38.45	Pass
		Inner 1RB Left	22.77	/	/	18.28	/	/	<=38.45	Pass
		Inner 1RB Right	22.57	/	/	18.08	/	/	<=38.45	Pass
	839	Edge 1RB Left	22.71	/	/	18.22	/	/	<=38.45	Pass
		Edge 1RB Right	22.54	/	/	18.05	/	/	<=38.45	Pass

		Outer_Full	22.59	/	/	18.10	/	/	<=38.45	Pass
		Inner_Full	22.56	/	/	18.07	/	/	<=38.45	Pass
		Inner_1RB_Left	22.80	/	/	18.31	/	/	<=38.45	Pass
		Inner_1RB_Right	22.55	/	/	18.06	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge_1RB_Left	20.44	/	/	15.95	/	/	<=38.45	Pass
		Edge_1RB_Right	20.16	/	/	15.67	/	/	<=38.45	Pass
		Outer_Full	20.61	/	/	16.12	/	/	<=38.45	Pass
		Inner_Full	20.56	/	/	16.07	/	/	<=38.45	Pass
		Inner_1RB_Left	20.42	/	/	15.93	/	/	<=38.45	Pass
		Inner_1RB_Right	20.17	/	/	15.68	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.37	/	/	15.88	/	/	<=38.45	Pass
		Edge_1RB_Right	20.19	/	/	15.70	/	/	<=38.45	Pass
		Outer_Full	20.68	/	/	16.19	/	/	<=38.45	Pass
		Inner_Full	20.65	/	/	16.16	/	/	<=38.45	Pass
		Inner_1RB_Left	20.41	/	/	15.92	/	/	<=38.45	Pass
		Inner_1RB_Right	20.23	/	/	15.74	/	/	<=38.45	Pass
	839	Edge_1RB_Left	20.40	/	/	15.91	/	/	<=38.45	Pass
		Edge_1RB_Right	20.20	/	/	15.71	/	/	<=38.45	Pass
		Outer_Full	20.51	/	/	16.02	/	/	<=38.45	Pass
		Inner_Full	20.62	/	/	16.13	/	/	<=38.45	Pass
		Inner_1RB_Left	20.48	/	/	15.99	/	/	<=38.45	Pass
		Inner_1RB_Right	20.14	/	/	15.65	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge_1RB_Left	22.15	/	/	17.66	/	/	<=38.45	Pass
		Edge_1RB_Right	21.87	/	/	17.38	/	/	<=38.45	Pass
		Outer_Full	22.28	/	/	17.79	/	/	<=38.45	Pass
		Inner_Full	23.61	/	/	19.12	/	/	<=38.45	Pass
		Inner_1RB_Left	23.66	/	/	19.17	/	/	<=38.45	Pass
		Inner_1RB_Right	23.34	/	/	18.85	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.17	/	/	17.68	/	/	<=38.45	Pass
		Edge_1RB_Right	21.95	/	/	17.46	/	/	<=38.45	Pass
		Outer_Full	22.26	/	/	17.77	/	/	<=38.45	Pass
		Inner_Full	23.73	/	/	19.24	/	/	<=38.45	Pass
		Inner_1RB_Left	23.73	/	/	19.24	/	/	<=38.45	Pass
		Inner_1RB_Right	23.40	/	/	18.91	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.15	/	/	17.66	/	/	<=38.45	Pass
		Edge_1RB_Right	21.92	/	/	17.43	/	/	<=38.45	Pass
		Outer_Full	22.03	/	/	17.54	/	/	<=38.45	Pass
		Inner_Full	23.59	/	/	19.10	/	/	<=38.45	Pass
		Inner_1RB_Left	23.60	/	/	19.11	/	/	<=38.45	Pass
		Inner_1RB_Right	23.33	/	/	18.84	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge_1RB_Left	22.08	/	/	17.59	/	/	<=38.45	Pass
		Edge_1RB_Right	21.90	/	/	17.41	/	/	<=38.45	Pass
		Outer_Full	22.15	/	/	17.66	/	/	<=38.45	Pass
		Inner_Full	23.18	/	/	18.69	/	/	<=38.45	Pass
		Inner_1RB_Left	23.06	/	/	18.57	/	/	<=38.45	Pass
		Inner_1RB_Right	22.93	/	/	18.44	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.23	/	/	17.74	/	/	<=38.45	Pass
		Edge_1RB_Right	22.00	/	/	17.51	/	/	<=38.45	Pass
		Outer_Full	22.20	/	/	17.71	/	/	<=38.45	Pass
		Inner_Full	23.25	/	/	18.76	/	/	<=38.45	Pass
		Inner_1RB_Left	23.23	/	/	18.74	/	/	<=38.45	Pass
		Inner_1RB_Right	22.89	/	/	18.40	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.23	/	/	17.74	/	/	<=38.45	Pass
		Edge_1RB_Right	21.97	/	/	17.48	/	/	<=38.45	Pass
		Outer_Full	22.08	/	/	17.59	/	/	<=38.45	Pass
		Inner_Full	23.10	/	/	18.61	/	/	<=38.45	Pass
		Inner_1RB_Left	23.18	/	/	18.69	/	/	<=38.45	Pass
		Inner_1RB_Right	22.87	/	/	18.38	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge_1RB_Left	21.78	/	/	17.29	/	/	<=38.45	Pass

		Edge 1RB Right	21.48	/	/	16.99	/	/	<=38.45	Pass
		Outer_Full	21.62	/	/	17.13	/	/	<=38.45	Pass
		Inner_Full	21.58	/	/	17.09	/	/	<=38.45	Pass
		Inner_1RB_Left	21.78	/	/	17.29	/	/	<=38.45	Pass
		Inner_1RB_Right	21.49	/	/	17.00	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.78	/	/	17.29	/	/	<=38.45	Pass
		Edge 1RB Right	21.54	/	/	17.05	/	/	<=38.45	Pass
		Outer_Full	21.66	/	/	17.17	/	/	<=38.45	Pass
		Inner_Full	21.71	/	/	17.22	/	/	<=38.45	Pass
		Inner_1RB_Left	21.81	/	/	17.32	/	/	<=38.45	Pass
	839	Inner_1RB_Right	21.53	/	/	17.04	/	/	<=38.45	Pass
		Edge 1RB Left	21.75	/	/	17.26	/	/	<=38.45	Pass
		Edge 1RB Right	21.49	/	/	17.00	/	/	<=38.45	Pass
		Outer_Full	21.60	/	/	17.11	/	/	<=38.45	Pass
		Inner_Full	21.66	/	/	17.17	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Inner_1RB_Left	21.78	/	/	17.29	/	/	<=38.45	Pass
		Inner_1RB_Right	21.48	/	/	16.99	/	/	<=38.45	Pass
		Edge 1RB Left	18.35	/	/	13.86	/	/	<=38.45	Pass
		Edge 1RB Right	18.21	/	/	13.72	/	/	<=38.45	Pass
		Outer_Full	18.55	/	/	14.06	/	/	<=38.45	Pass
		Inner_Full	18.53	/	/	14.04	/	/	<=38.45	Pass
	836.5	Inner_1RB_Left	18.33	/	/	13.84	/	/	<=38.45	Pass
		Inner_1RB_Right	18.16	/	/	13.67	/	/	<=38.45	Pass
		Edge 1RB Left	18.42	/	/	13.93	/	/	<=38.45	Pass
		Edge 1RB Right	18.26	/	/	13.77	/	/	<=38.45	Pass
		Outer_Full	18.66	/	/	14.17	/	/	<=38.45	Pass
		Inner_Full	18.59	/	/	14.10	/	/	<=38.45	Pass
	839	Inner_1RB_Left	18.43	/	/	13.94	/	/	<=38.45	Pass
		Inner_1RB_Right	18.19	/	/	13.70	/	/	<=38.45	Pass
		Edge 1RB Left	18.32	/	/	13.83	/	/	<=38.45	Pass
		Edge 1RB Right	18.16	/	/	13.67	/	/	<=38.45	Pass
		Outer_Full	18.62	/	/	14.13	/	/	<=38.45	Pass
	Inner_Full	18.54	/	/	14.05	/	/	<=38.45	Pass	
	Inner_1RB_Left	18.34	/	/	13.85	/	/	<=38.45	Pass	
	Inner_1RB_Right	18.08	/	/	13.59	/	/	<=38.45	Pass	
Note1: Antenna Gain: Ant11: -2.34dBi; 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 PI/2 BPSK	836.5	Outer_Full	20	LV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
				HV	0.80	0.0010	>=-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	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			20	NV	1.60	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0059	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass

			50	NV	-2.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.60	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.30	-0.0087	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.90	-0.0071	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.40	-0.0077	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.60	-0.0079	≥ -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	-4.50	-0.0054	≥ -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	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.80	-0.0069	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.30	-0.0087	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.60	-0.0079	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.70	-0.0056	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.30	-0.0016	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-6.60	-0.0079	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.40	-0.0088	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.70	-0.0056	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.30	-0.0075	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.30	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.30	-0.0087	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.00	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.00	-0.0060	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.30	-0.0063	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.20	-0.0086	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.80	-0.0069	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.10	-0.0073	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.30	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-5.80	-0.0069	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.80	-0.0081	≥ -2.5 & ≤ 2.5	Pass

			-20	NV	-6.30	-0.0075	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			40	NV	1.10	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-3.90	-0.0047	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0062	>=-2.5 & <=2.5	Pass
			-10	NV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	2.90	0.0035	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0048	>=-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	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0062	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0060	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			50	NV	-2.20	-0.0026	>=-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 PI/2 BPSK	836.5	Outer_Full	20	LV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			0	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
			30	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	50	NV	-6.80	-0.0081	>=-2.5 & <=2.5	Pass
			20	LV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0081	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0082	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass

			50	NV	-6.60	-0.0079	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.50	-0.0090	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.60	-0.0091	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.10	-0.0073	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.00	-0.0084	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.60	-0.0103	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.40	-0.0100	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-7.20	-0.0086	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.80	-0.0081	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.40	-0.0077	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.00	-0.0084	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-11.90	-0.0142	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.80	-0.0069	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.60	-0.0067	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.60	-0.0067	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.40	-0.0065	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.10	0.0037	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.70	-0.0068	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.90	-0.0094	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.40	-0.0077	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-0.70	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.70	-0.0080	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.70	-0.0056	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.50	-0.0078	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.20	-0.0086	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
				HV	-0.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.50	-0.0090	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.60	-0.0091	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.30	-0.0075	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-7.70	-0.0092	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.90	-0.0094	≥ -2.5 & ≤ 2.5	Pass

			-20	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			50	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-0.70	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0059	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0062	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-8.20	-0.0098	>=-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 PI/2 BPSK	836.5	Outer_Full	20	LV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			20	NV	-1.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			50	NV	-9.90	-0.0118	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
			-30	NV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0110	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			10	NV	-9.70	-0.0116	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			40	NV	-10.60	-0.0127	>=-2.5 & <=2.5	Pass
			50	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-6.50	-0.0078	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0097	>=-2.5 & <=2.5	Pass
			-20	NV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0123	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0081	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			30	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass

			50	NV	-10.20	-0.0122	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-5.60	-0.0067	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.30	-0.0063	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-10.20	-0.0122	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-11.40	-0.0136	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-9.80	-0.0117	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.40	-0.0065	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.20	-0.0098	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.30	-0.0087	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-10.10	-0.0121	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-9.30	-0.0111	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-2.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.80	-0.0081	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			10	NV	0.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.50	-0.0090	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-0.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-5.30	-0.0063	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.30	0.0027	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.70	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.20	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.20	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.10	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.90	-0.0071	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.40	-0.0077	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.50	-0.0078	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.60	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.40	-0.0088	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.30	0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.40	-0.0065	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-7.10	-0.0085	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.30	-0.0075	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-9.30	-0.0111	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.20	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.20	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.70	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.80	-0.0069	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.70	-0.0068	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.90	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass

			-20	NV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
			50	NV	-5.00	-0.0060	>=-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 PI/2 BPSK	836.5	Outer_Full	20	LV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
				HV	-11.10	-0.0133	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			-20	NV	-10.70	-0.0128	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			0	NV	-10.40	-0.0124	>=-2.5 & <=2.5	Pass
			10	NV	-10.60	-0.0127	>=-2.5 & <=2.5	Pass
			20	NV	-12.90	-0.0154	>=-2.5 & <=2.5	Pass
			30	NV	-11.50	-0.0137	>=-2.5 & <=2.5	Pass
			40	NV	-10.40	-0.0124	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-10.00	-0.0120	>=-2.5 & <=2.5	Pass
				HV	-9.40	-0.0112	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			-20	NV	-11.30	-0.0135	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			10	NV	-10.00	-0.0120	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			30	NV	-11.60	-0.0139	>=-2.5 & <=2.5	Pass
			40	NV	-10.10	-0.0121	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-10.40	-0.0124	>=-2.5 & <=2.5	Pass
				HV	-10.30	-0.0123	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0116	>=-2.5 & <=2.5	Pass
			-20	NV	-11.10	-0.0133	>=-2.5 & <=2.5	Pass
			-10	NV	-11.70	-0.0140	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			20	NV	-10.10	-0.0121	>=-2.5 & <=2.5	Pass
			30	NV	-11.60	-0.0139	>=-2.5 & <=2.5	Pass
			40	NV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-10.70	-0.0128	>=-2.5 & <=2.5	Pass
				HV	-10.00	-0.0120	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			-10	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			10	NV	-10.30	-0.0123	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0114	>=-2.5 & <=2.5	Pass
			30	NV	-11.60	-0.0139	>=-2.5 & <=2.5	Pass
			40	NV	-10.40	-0.0124	>=-2.5 & <=2.5	Pass

			50	NV	-9.00	-0.0108	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-1.40	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.30	-0.0099	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.90	-0.0071	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-6.10	-0.0073	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.50	-0.0078	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-1.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-3.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.00	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-2.70	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-6.50	-0.0078	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.20	-0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.00	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-6.20	-0.0074	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.50	-0.0054	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-2.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-7.20	-0.0086	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.10	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-1.60	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.50	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.30	-0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.50	-0.0078	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.50	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.00	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-2.70	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-9.20	-0.0110	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.80	-0.0057	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-5.40	-0.0065	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.80	-0.0069	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.40	-0.0053	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.90	-0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-0.70	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-1.80	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-6.60	-0.0079	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.00	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-6.30	-0.0075	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-1.70	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-6.60	-0.0079	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-2.50	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.50	-0.0054	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.70	-0.0056	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.70	-0.0068	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.40	-0.0053	$\geq -2.5 \ \& \ \leq 2.5$	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 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 PI/2 BPSK	826.5	Outer_Full	4.59	5.34	/	Pass
	836.5	Outer_Full	4.57	5.32	/	Pass
	846.5	Outer_Full	4.58	5.28	/	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	4.55	5.36	/	Pass
	836.5	Outer_Full	4.54	5.38	/	Pass
	846.5	Outer_Full	4.56	5.29	/	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	4.60	5.39	/	Pass
	836.5	Outer_Full	4.58	5.41	/	Pass
	846.5	Outer_Full	4.61	5.43	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.54	5.16	/	Pass
	836.5	Outer_Full	4.57	5.37	/	Pass
	846.5	Outer_Full	4.56	5.28	/	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	4.59	5.42	/	Pass
	836.5	Outer_Full	4.62	5.47	/	Pass
	846.5	Outer_Full	4.58	5.38	/	Pass
CP-OFDM QPSK	826.5	Outer_Full	4.57	5.37	/	Pass
	836.5	Outer_Full	4.53	5.42	/	Pass
	846.5	Outer_Full	4.56	5.38	/	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	4.57	5.39	/	Pass
	836.5	Outer_Full	4.62	5.37	/	Pass
	846.5	Outer_Full	4.58	5.38	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.54	5.28	/	Pass
	836.5	Outer_Full	4.53	5.20	/	Pass
	846.5	Outer_Full	4.58	5.38	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.57	5.35	/	Pass
	836.5	Outer_Full	4.59	5.39	/	Pass
	846.5	Outer_Full	4.57	5.40	/	Pass

3.1.2 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 PI/2 BPSK	829	Outer_Full	9.05	9.96	/	Pass
	836.5	Outer_Full	9.05	9.97	/	Pass
	844	Outer_Full	9.04	9.90	/	Pass
DFT-s-OFDM QPSK	829	Outer_Full	9.08	10.05	/	Pass
	836.5	Outer_Full	9.07	10.07	/	Pass
	844	Outer_Full	9.07	10.09	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.06	9.92	/	Pass
	836.5	Outer_Full	9.05	10.03	/	Pass
	844	Outer_Full	9.07	10.07	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	9.08	9.99	/	Pass
	836.5	Outer_Full	9.08	10.02	/	Pass
	844	Outer_Full	9.06	10.01	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.05	10.01	/	Pass
	836.5	Outer_Full	9.05	9.91	/	Pass

	844	Outer_Full	9.06	9.97	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.41	10.35	/	Pass
	836.5	Outer_Full	9.37	10.38	/	Pass
	844	Outer_Full	9.37	10.34	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	9.41	10.38	/	Pass
	836.5	Outer_Full	9.40	10.36	/	Pass
	844	Outer_Full	9.41	10.32	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	9.37	10.35	/	Pass
	836.5	Outer_Full	9.34	10.30	/	Pass
	844	Outer_Full	9.33	10.34	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	9.39	10.47	/	Pass
	836.5	Outer_Full	9.38	10.45	/	Pass
	844	Outer_Full	9.38	10.32	/	Pass

3.1.3 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 PI/2 BPSK	831.5	Outer_Full	13.58	14.85	/	Pass
	836.5	Outer_Full	13.58	14.89	/	Pass
	841.5	Outer_Full	13.59	14.83	/	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	13.67	14.80	/	Pass
	836.5	Outer_Full	13.66	14.90	/	Pass
	841.5	Outer_Full	13.62	14.89	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.65	14.87	/	Pass
	836.5	Outer_Full	13.62	14.78	/	Pass
	841.5	Outer_Full	13.60	14.81	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.56	14.79	/	Pass
	836.5	Outer_Full	13.57	14.69	/	Pass
	841.5	Outer_Full	13.53	14.88	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.65	14.83	/	Pass
	836.5	Outer_Full	13.62	14.80	/	Pass
	841.5	Outer_Full	13.59	14.73	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	14.31	15.59	/	Pass
	836.5	Outer_Full	14.27	15.55	/	Pass
	841.5	Outer_Full	14.27	15.45	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.29	15.54	/	Pass
	836.5	Outer_Full	14.26	15.54	/	Pass
	841.5	Outer_Full	14.25	15.48	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.31	15.83	/	Pass
	836.5	Outer_Full	14.25	15.88	/	Pass
	841.5	Outer_Full	14.25	15.41	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	14.27	15.56	/	Pass
	836.5	Outer_Full	14.25	15.45	/	Pass
	841.5	Outer_Full	14.24	15.48	/	Pass

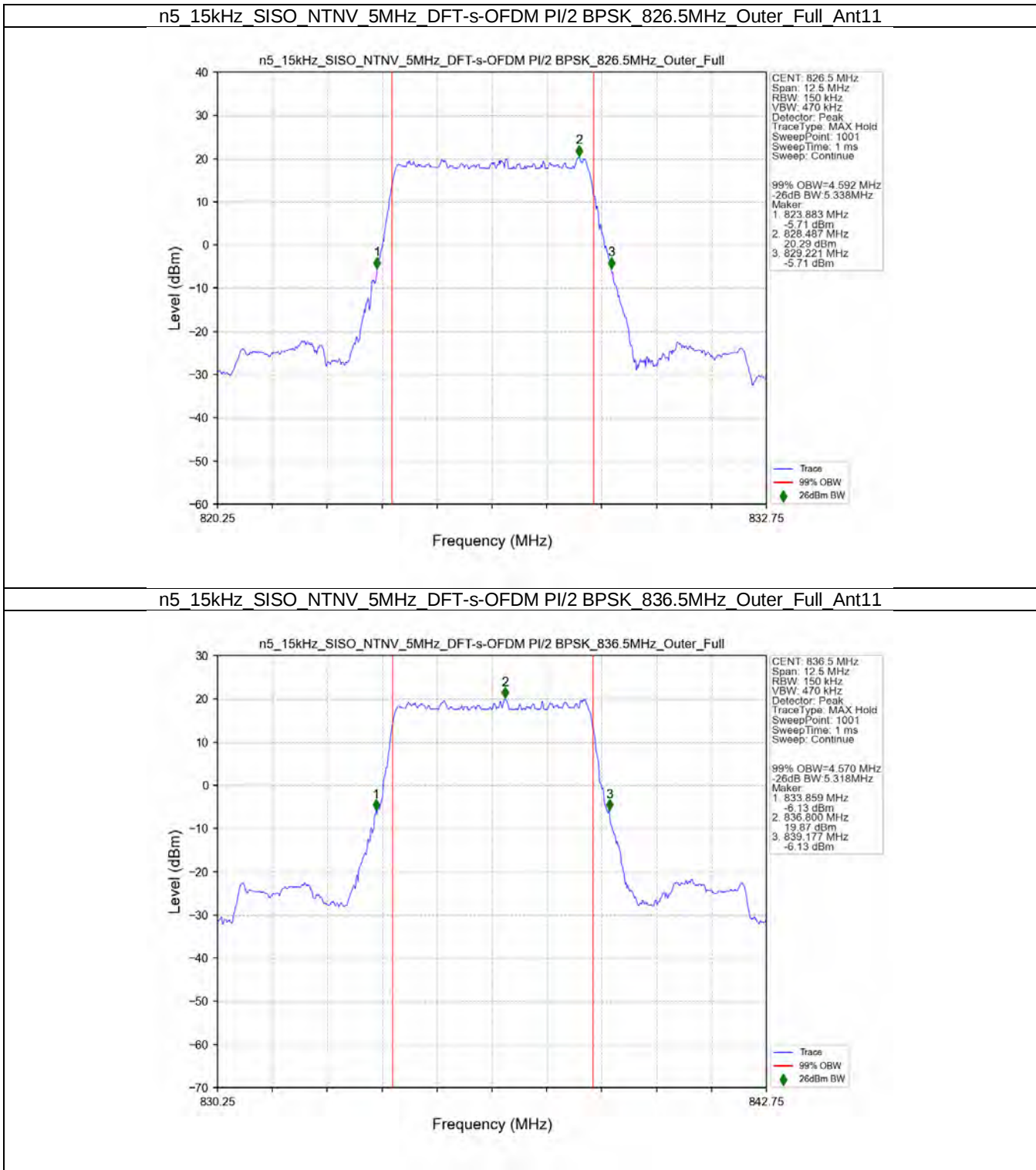
3.1.4 15k_SISO_20MHz_NTNV

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 PI/2 BPSK	834	Outer_Full	18.10	19.45	/	Pass
	836.5	Outer_Full	18.08	19.43	/	Pass
	839	Outer_Full	18.07	19.39	/	Pass
DFT-s-OFDM QPSK	834	Outer_Full	18.06	19.54	/	Pass

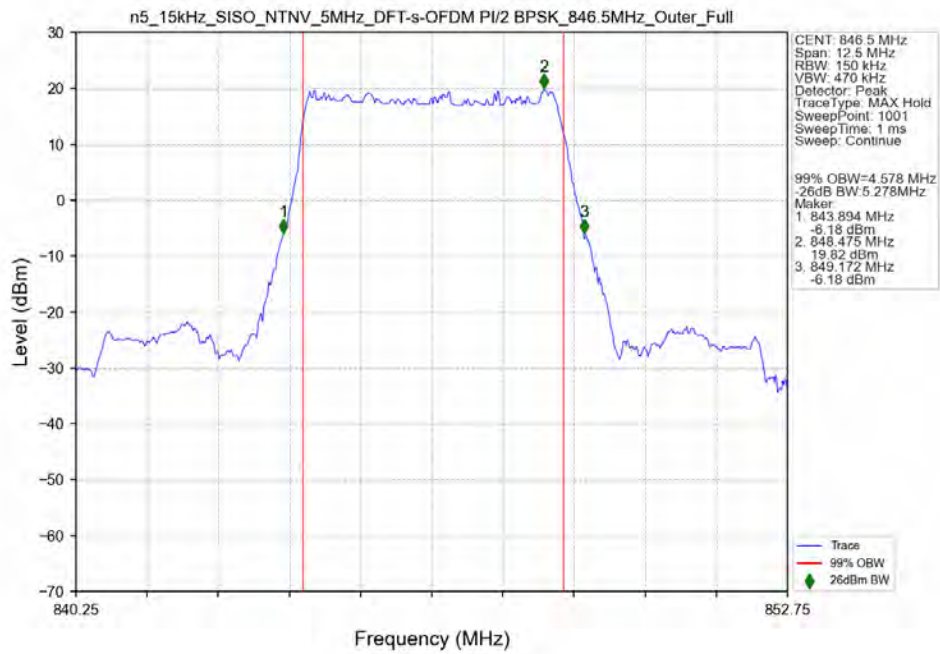
	836.5	Outer_Full	18.03	19.58	/	Pass
	839	Outer_Full	17.98	19.57	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.10	19.60	/	Pass
	836.5	Outer_Full	18.06	19.56	/	Pass
DFT-s-OFDM 64 QAM	839	Outer_Full	18.05	19.62	/	Pass
	834	Outer_Full	18.14	19.64	/	Pass
	836.5	Outer_Full	18.11	19.55	/	Pass
DFT-s-OFDM 256 QAM	839	Outer_Full	18.04	19.51	/	Pass
	834	Outer_Full	18.05	19.51	/	Pass
	836.5	Outer_Full	18.03	19.62	/	Pass
CP-OFDM QPSK	839	Outer_Full	18.01	19.55	/	Pass
	834	Outer_Full	19.06	20.65	/	Pass
	836.5	Outer_Full	19.04	20.56	/	Pass
CP-OFDM 16 QAM	839	Outer_Full	19.02	20.59	/	Pass
	834	Outer_Full	19.17	21.24	/	Pass
	836.5	Outer_Full	19.16	20.87	/	Pass
CP-OFDM 64 QAM	839	Outer_Full	19.14	20.58	/	Pass
	834	Outer_Full	19.10	20.54	/	Pass
	836.5	Outer_Full	19.09	20.56	/	Pass
CP-OFDM 256 QAM	839	Outer_Full	19.10	20.49	/	Pass
	834	Outer_Full	19.09	20.64	/	Pass
	836.5	Outer_Full	19.07	20.58	/	Pass
	839	Outer_Full	19.06	20.70	/	Pass

3.2 Test Graph

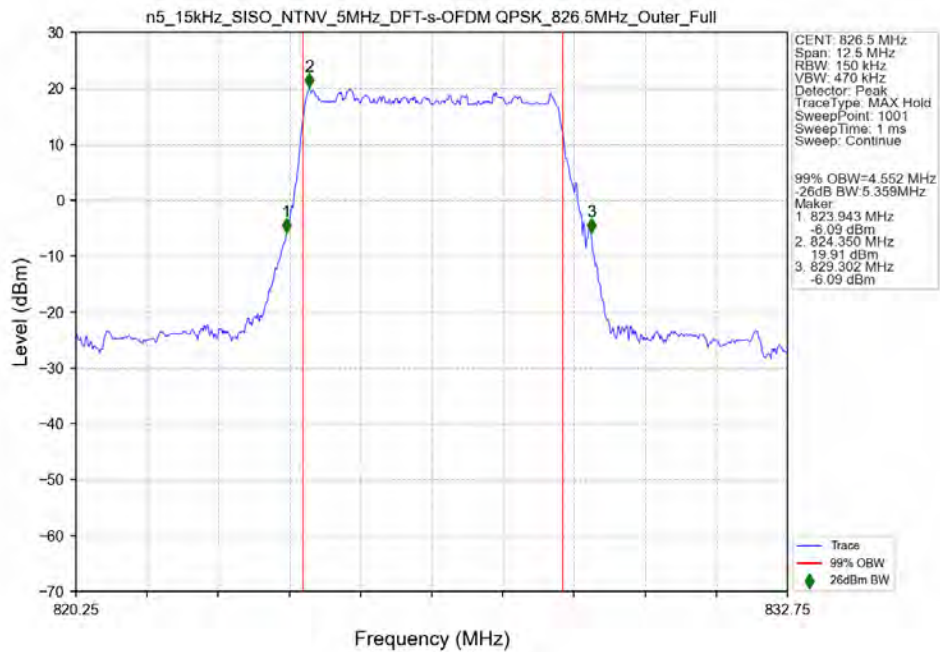
3.2.1 15k_SISO_5MHz_NTNV



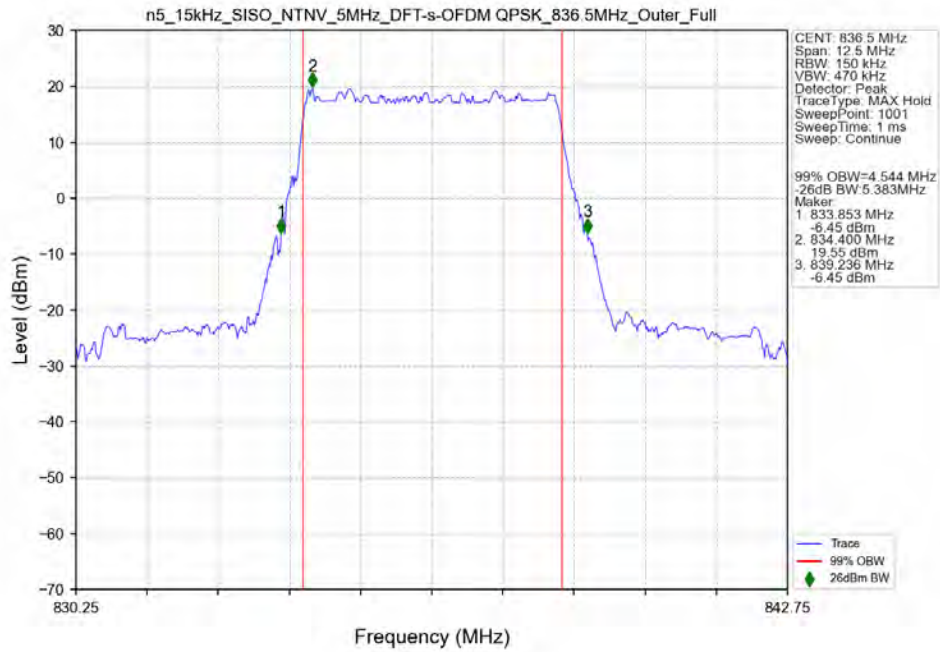
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK 846.5MHz_Outer_Full_Ant11



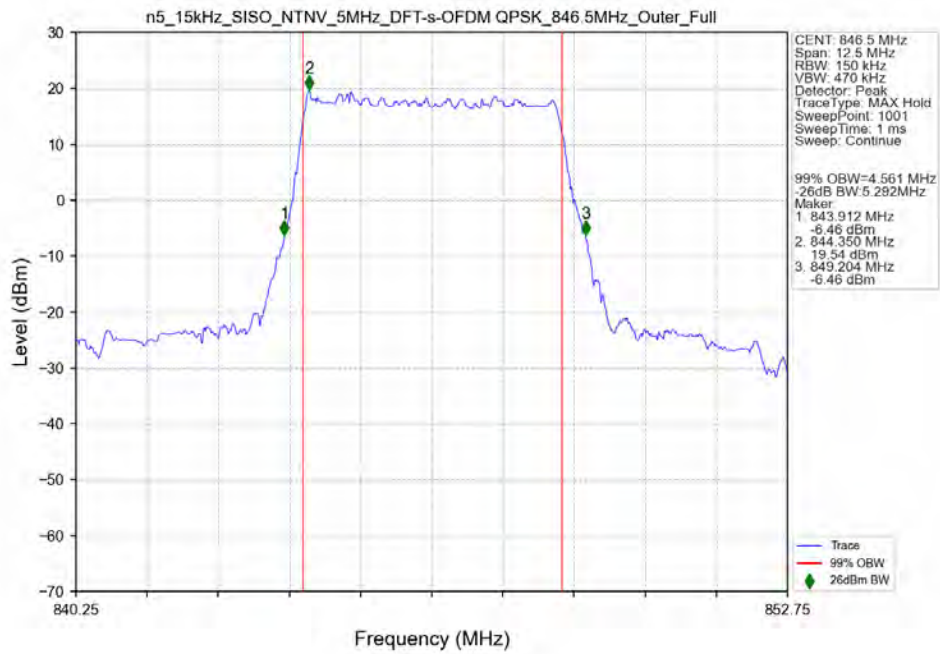
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK 826.5MHz_Outer_Full_Ant11



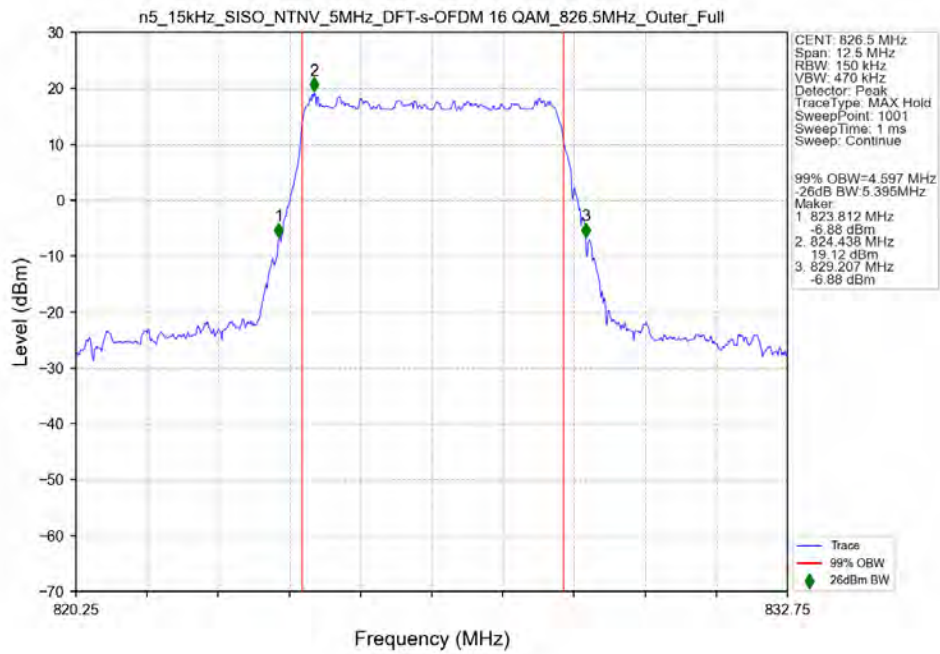
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



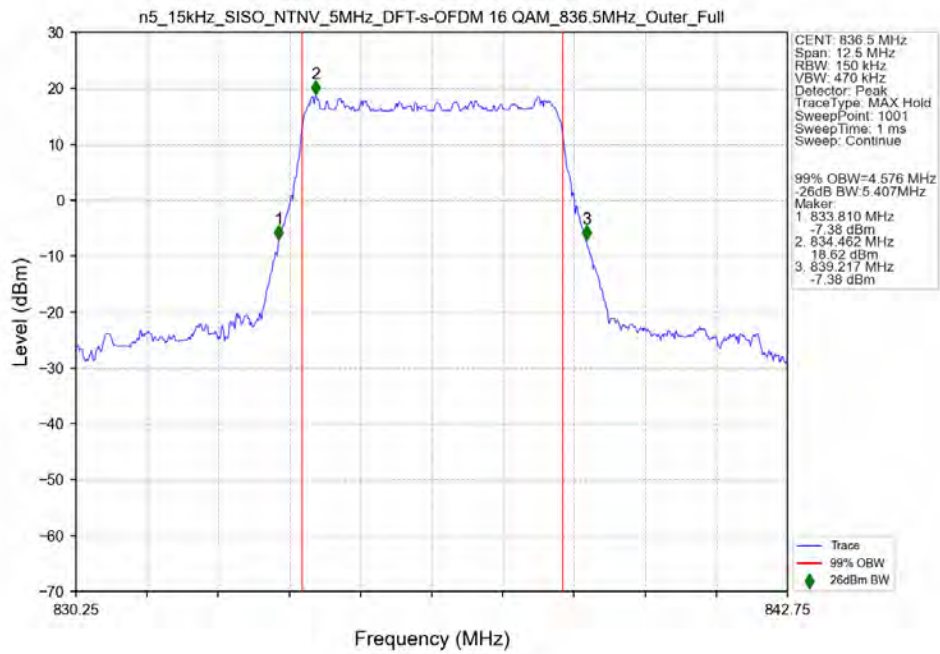
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_846.5MHz_Outer_Full_Ant11



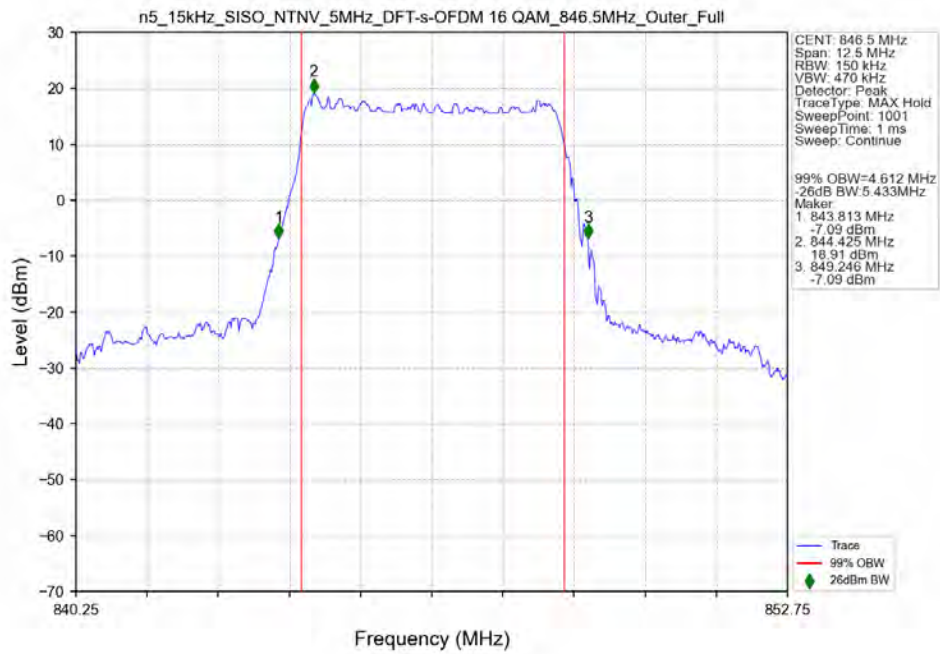
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_826.5MHz_Outer_Full_Ant11



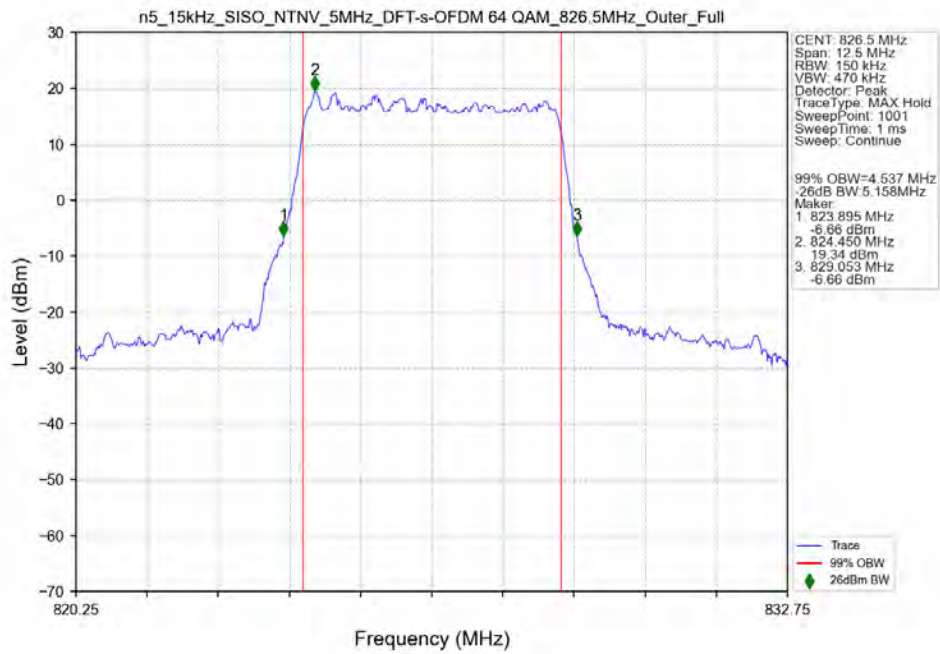
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



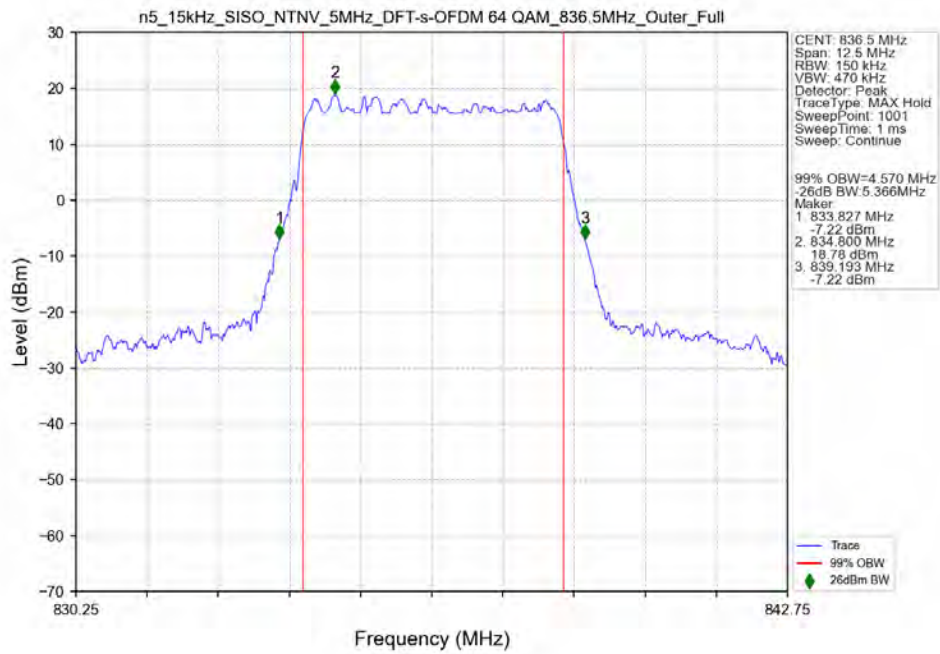
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_846.5MHz_Outer_Full_Ant11



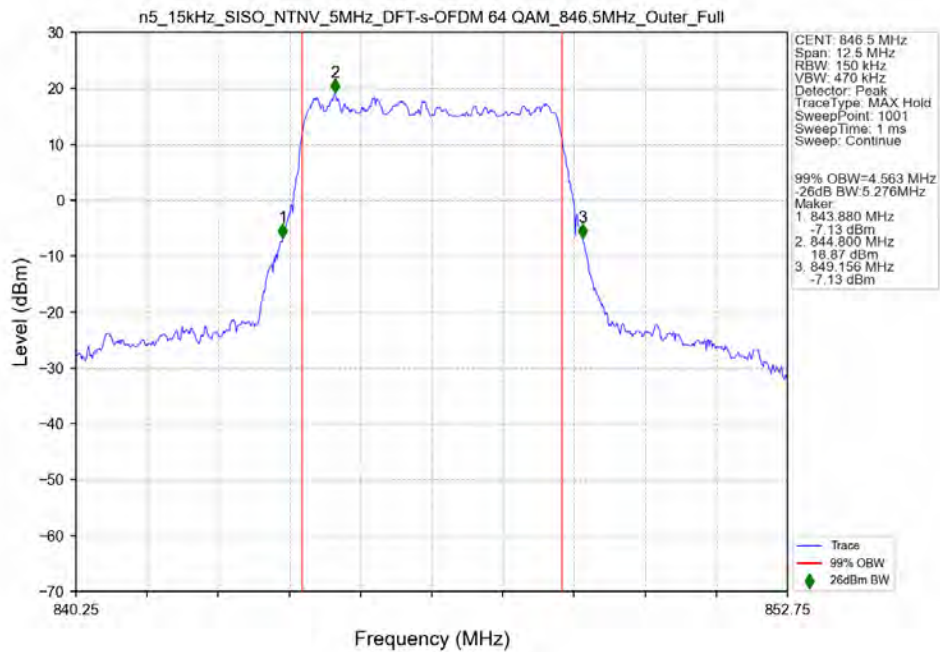
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_826.5MHz_Outer_Full_Ant11



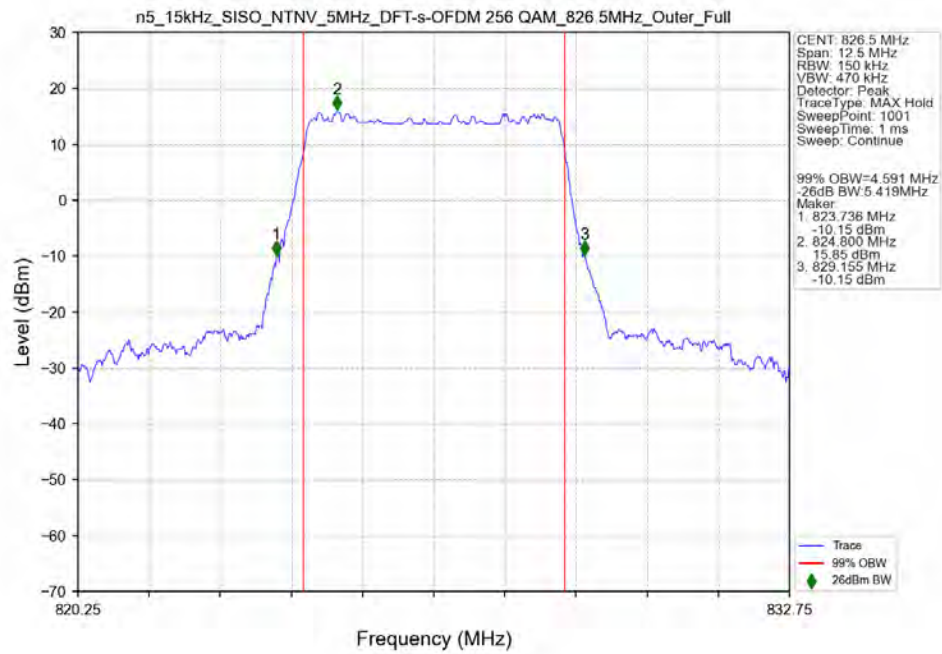
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant11



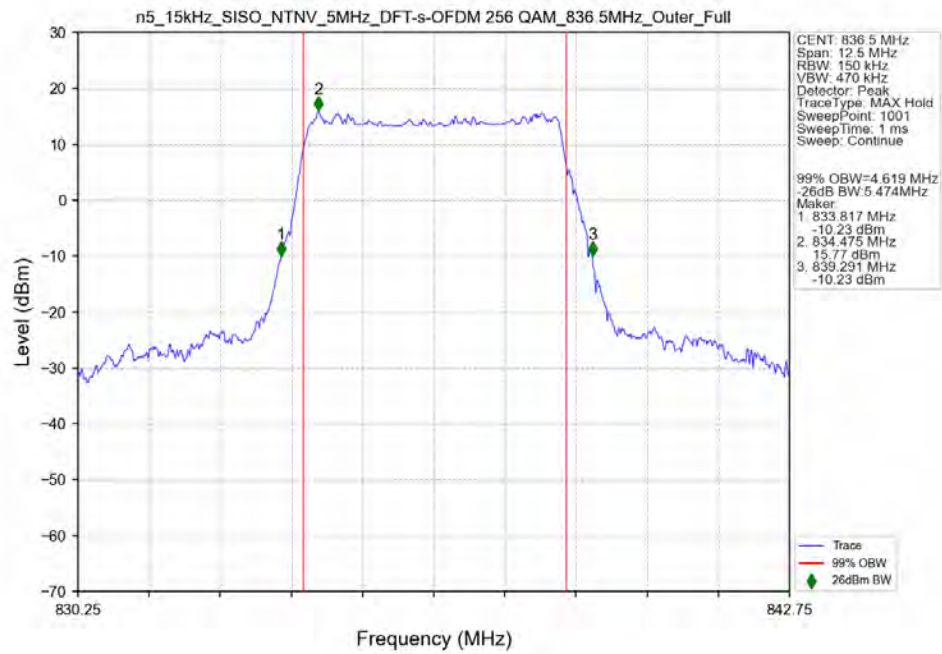
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_846.5MHz_Outer_Full_Ant11



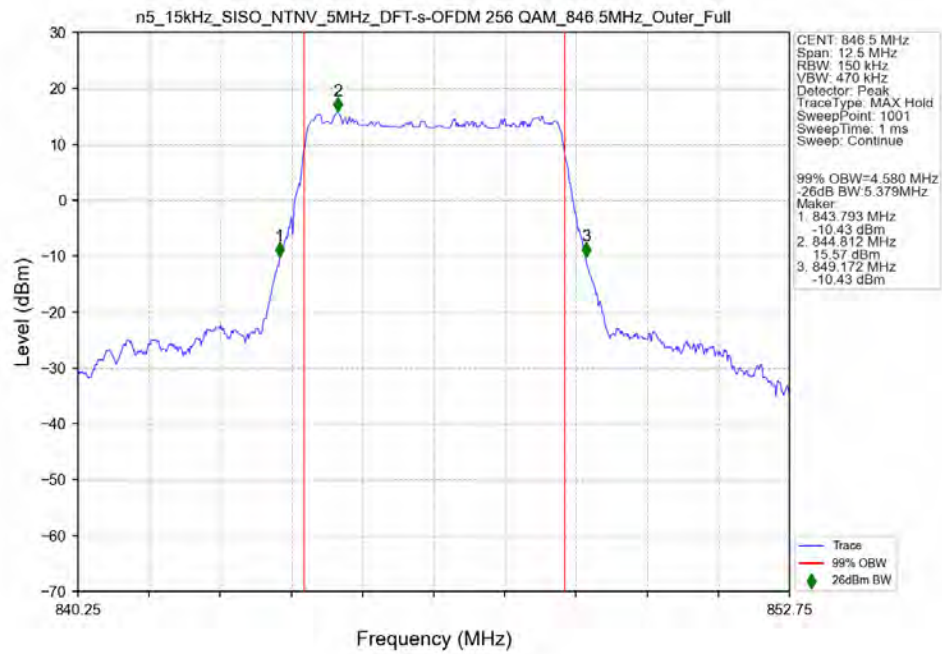
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_826.5MHz_Outer_Full_Ant11



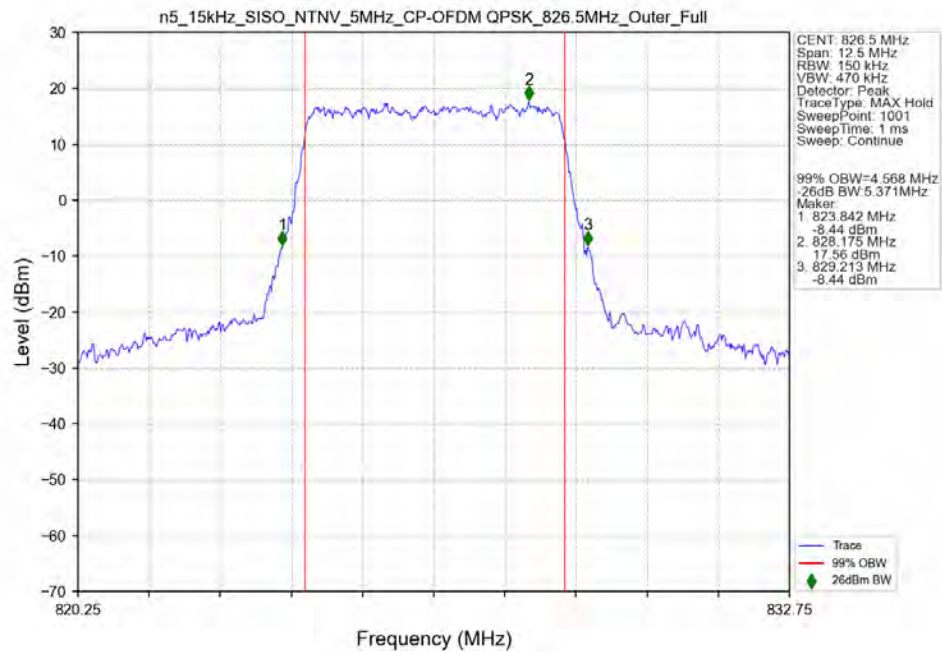
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



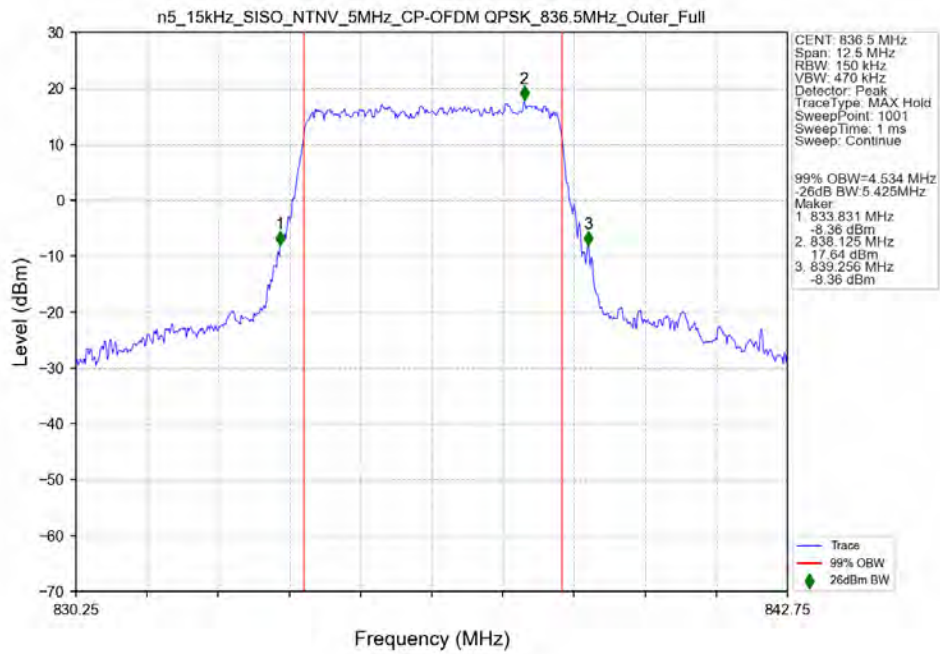
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256QAM_846.5MHz_Outer_Full_Ant11



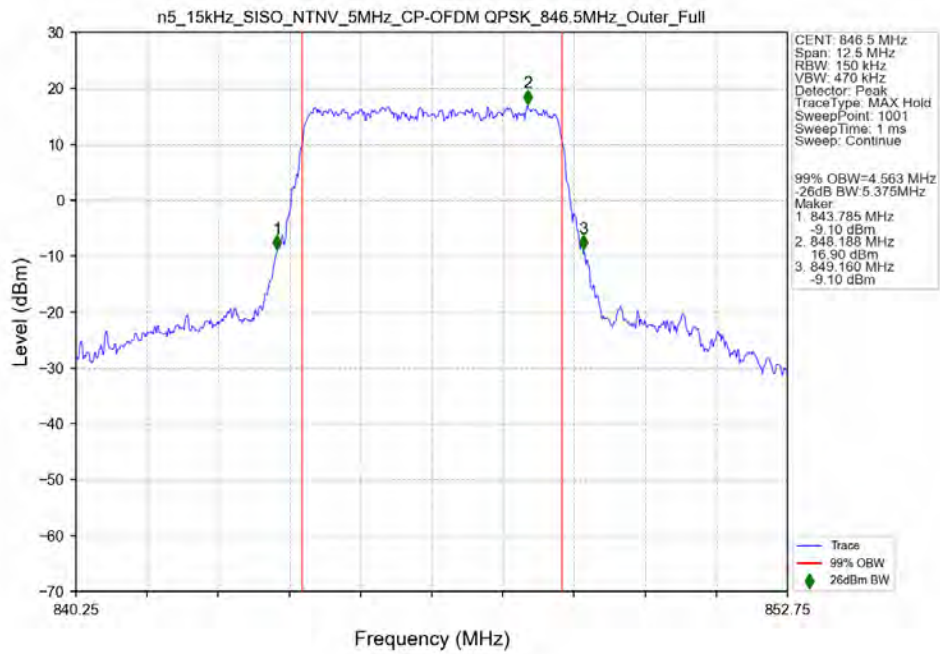
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_826.5MHz_Outer_Full_Ant11



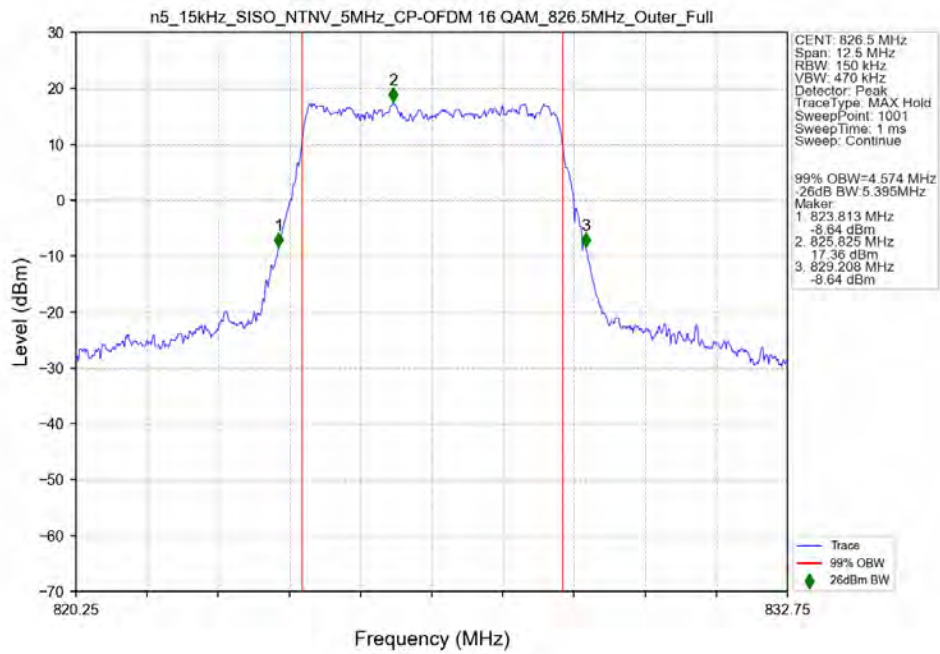
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



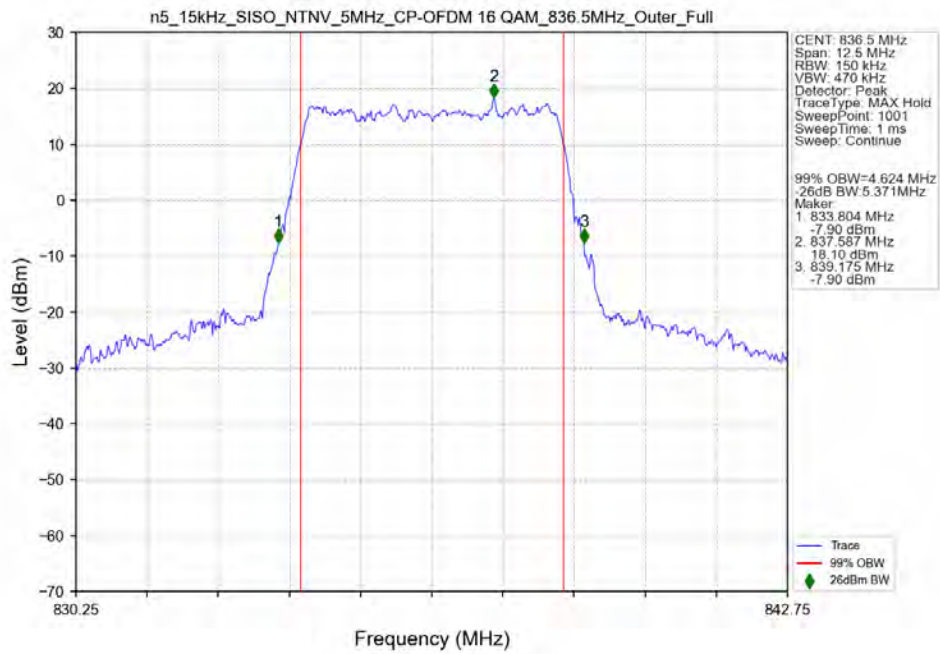
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_846.5MHz_Outer_Full_Ant11



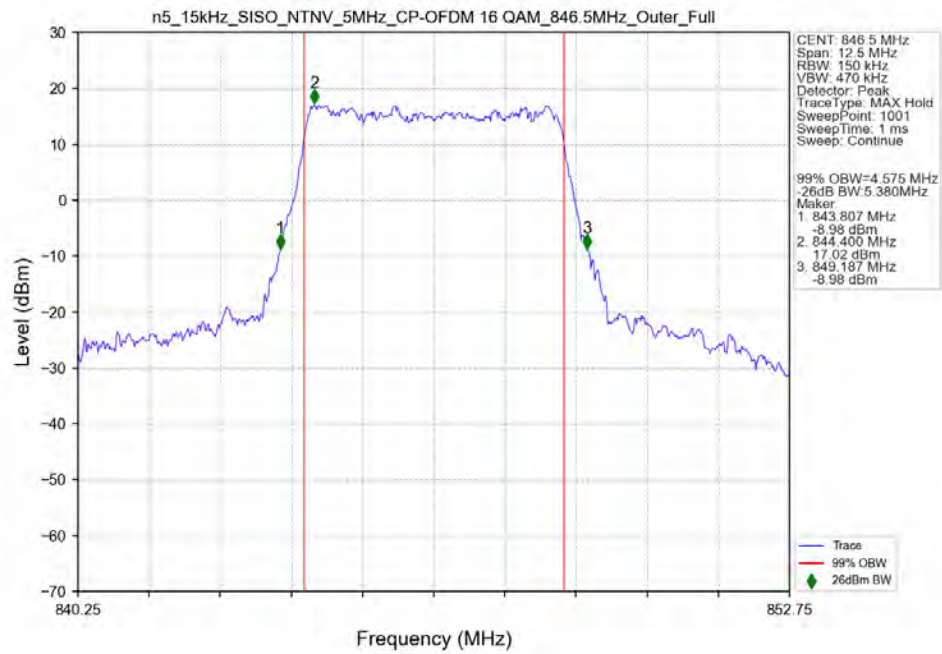
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 826.5MHz_Outer_Full_Ant11



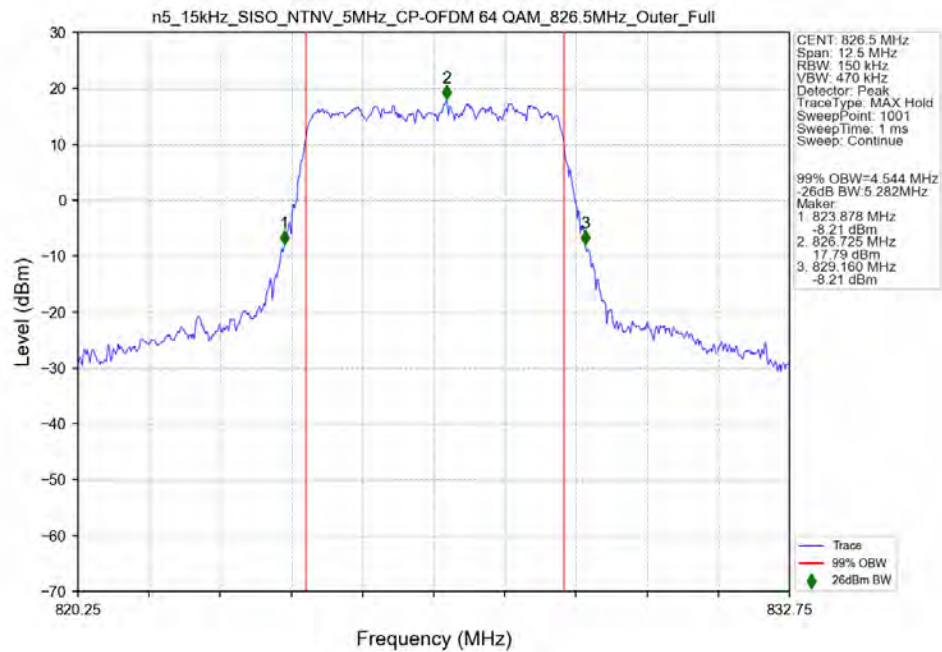
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 836.5MHz_Outer_Full_Ant11



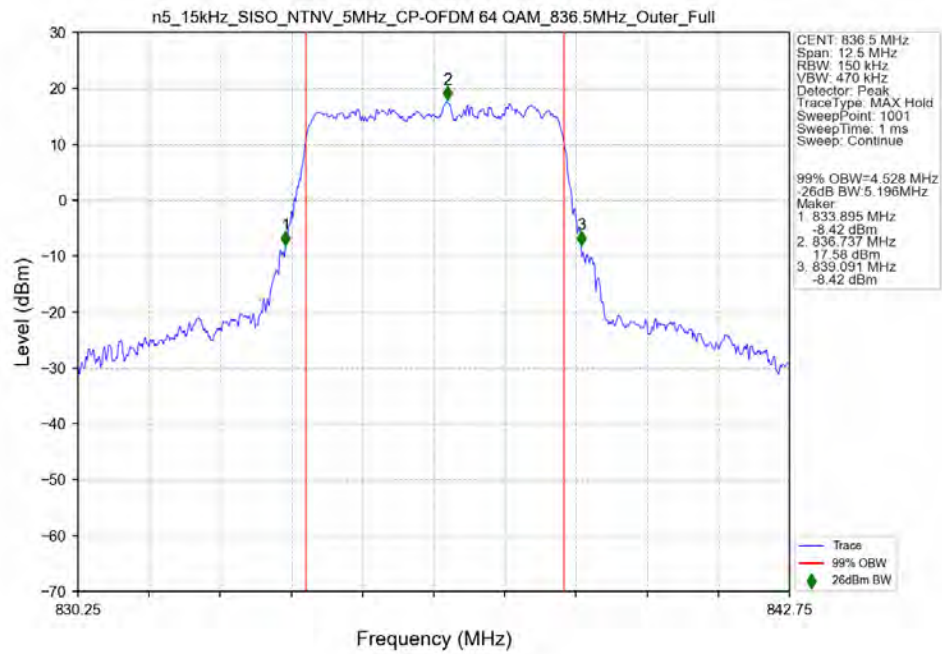
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 846.5MHz_Outer_Full_Ant11



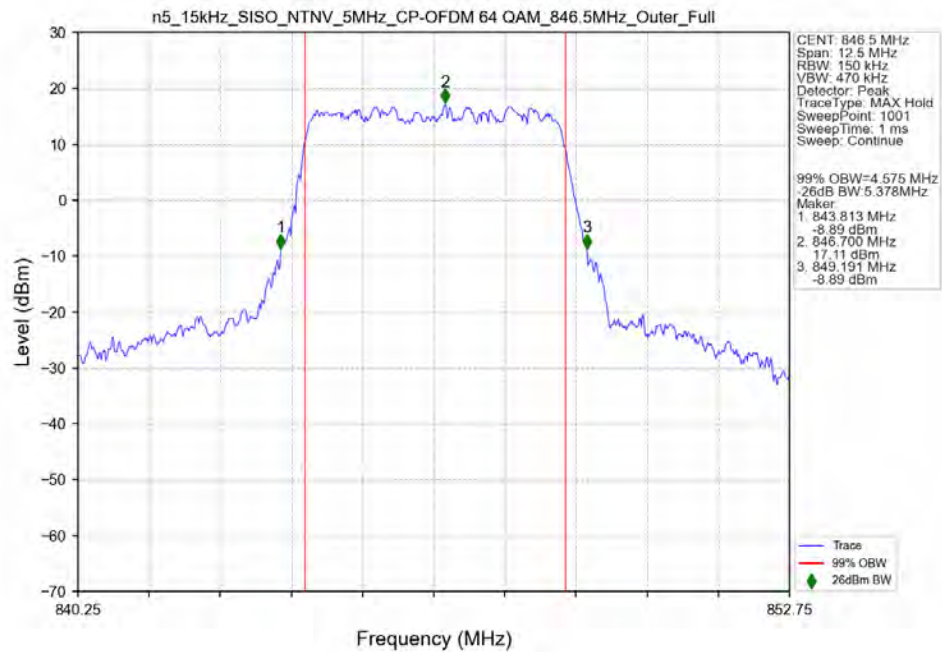
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 826.5MHz_Outer_Full_Ant11



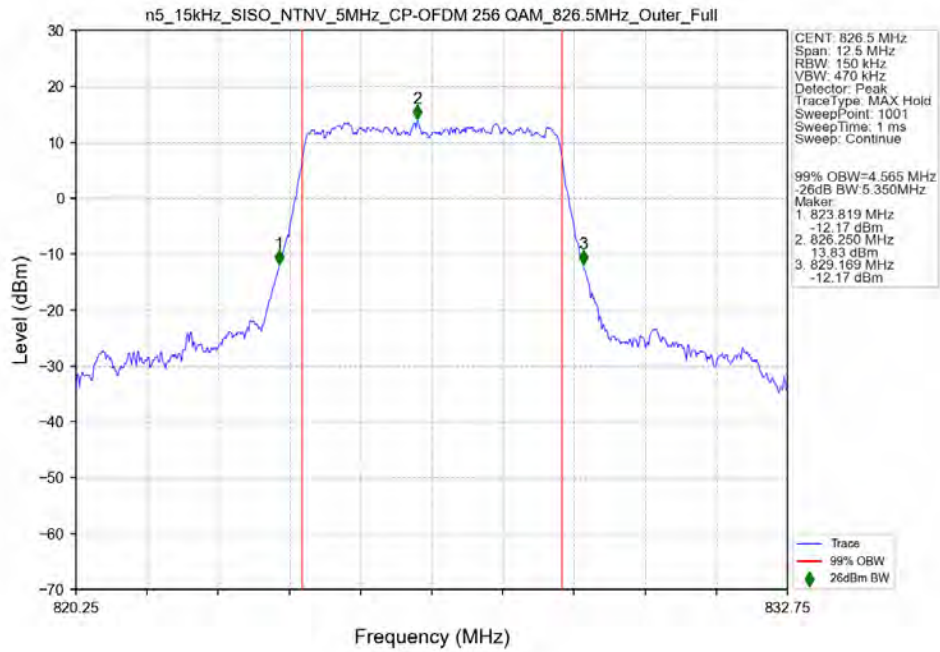
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant11



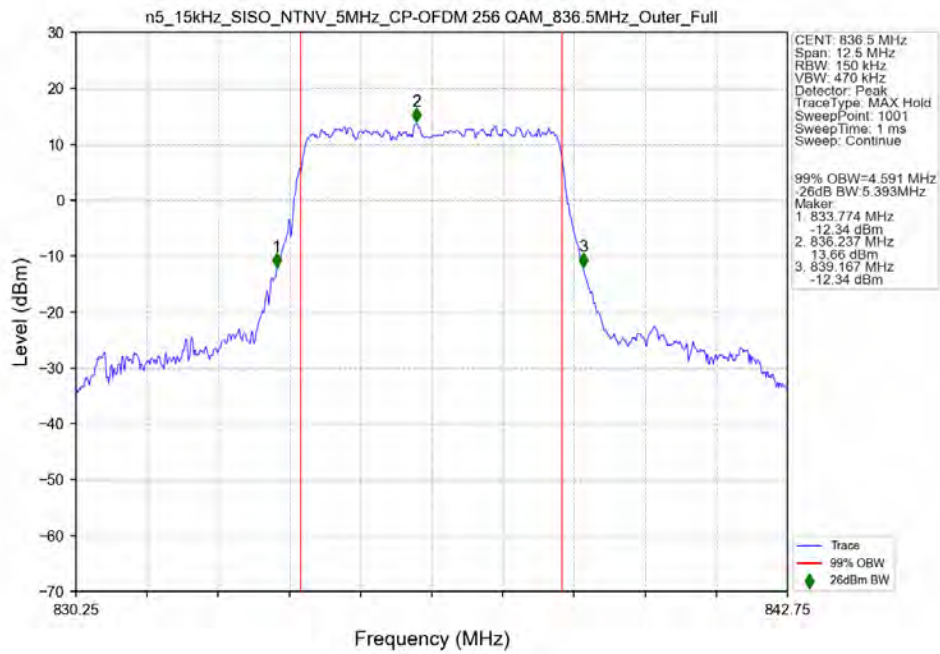
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_846.5MHz_Outer_Full_Ant11



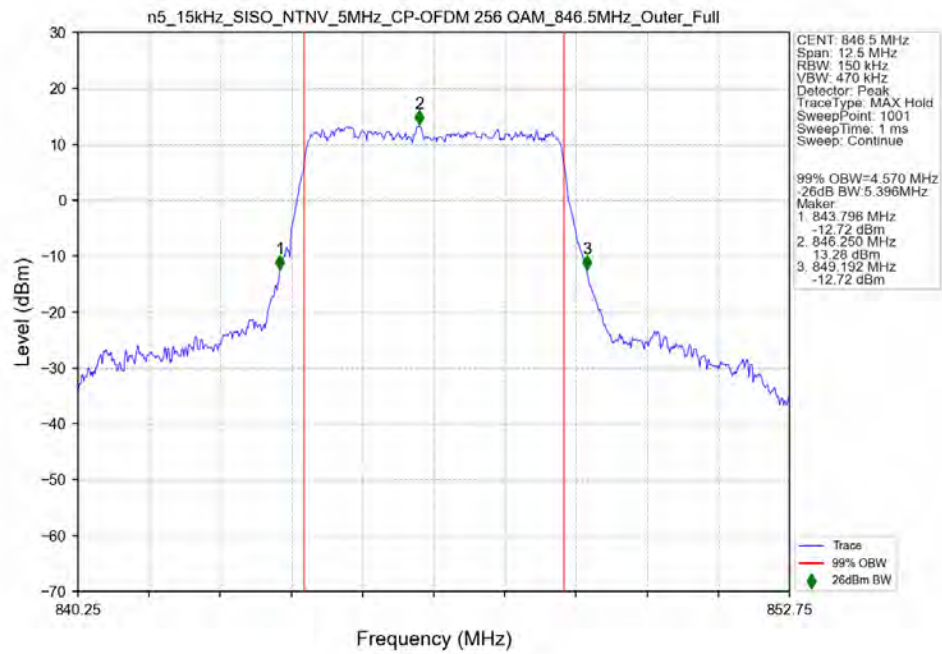
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_826.5MHz_Outer_Full_Ant11



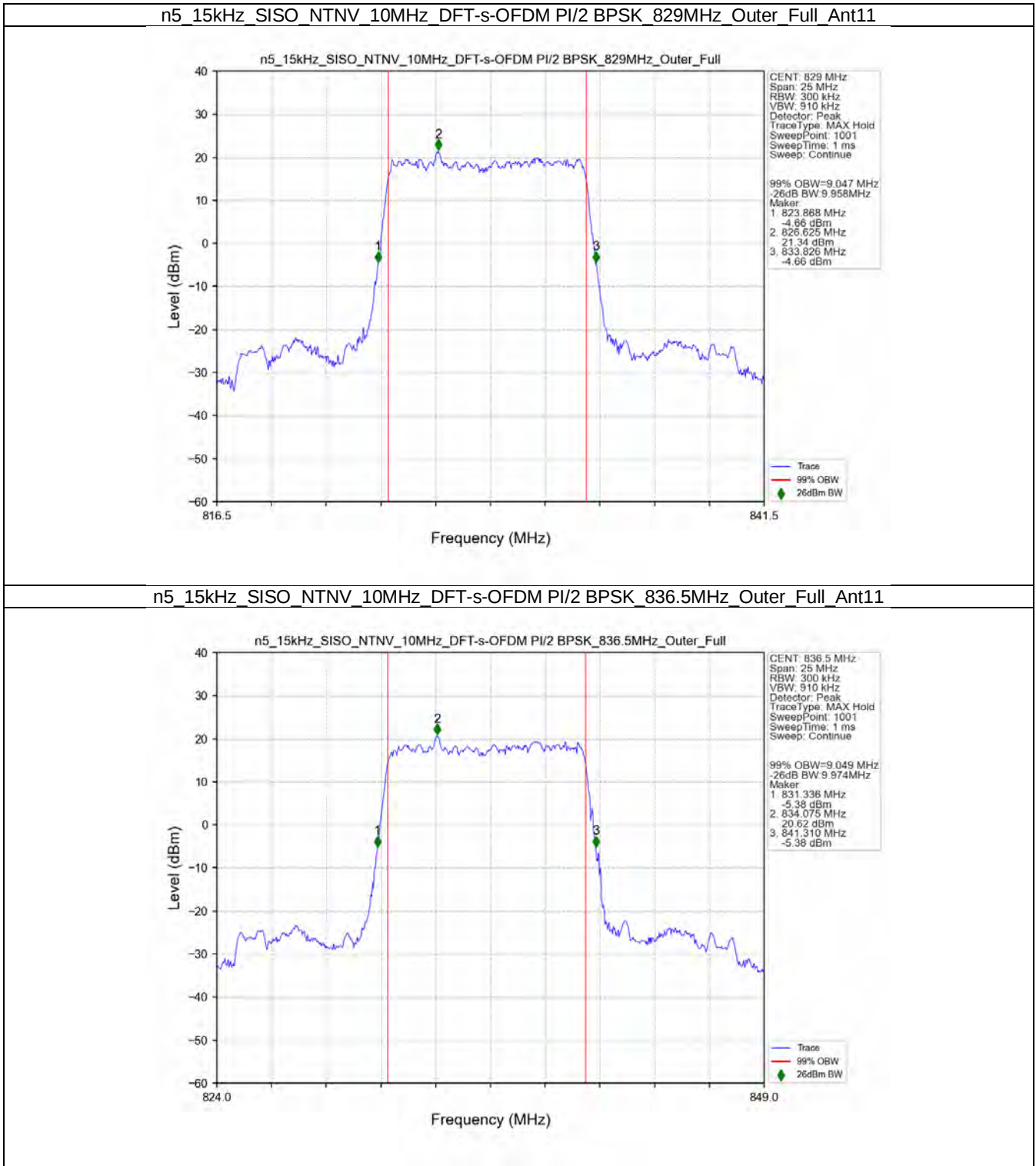
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



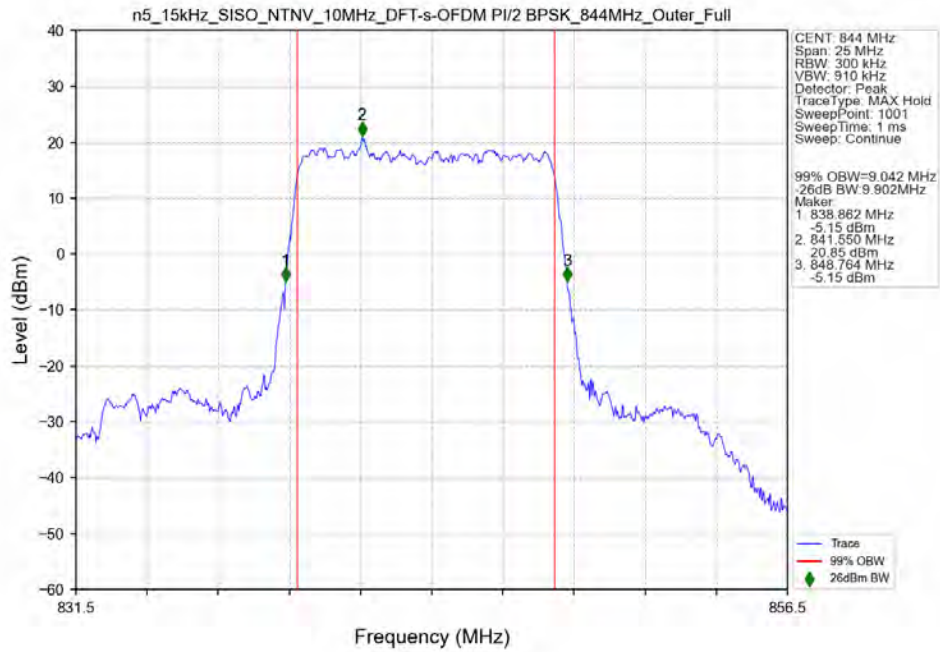
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_846.5MHz_Outer_Full_Ant11



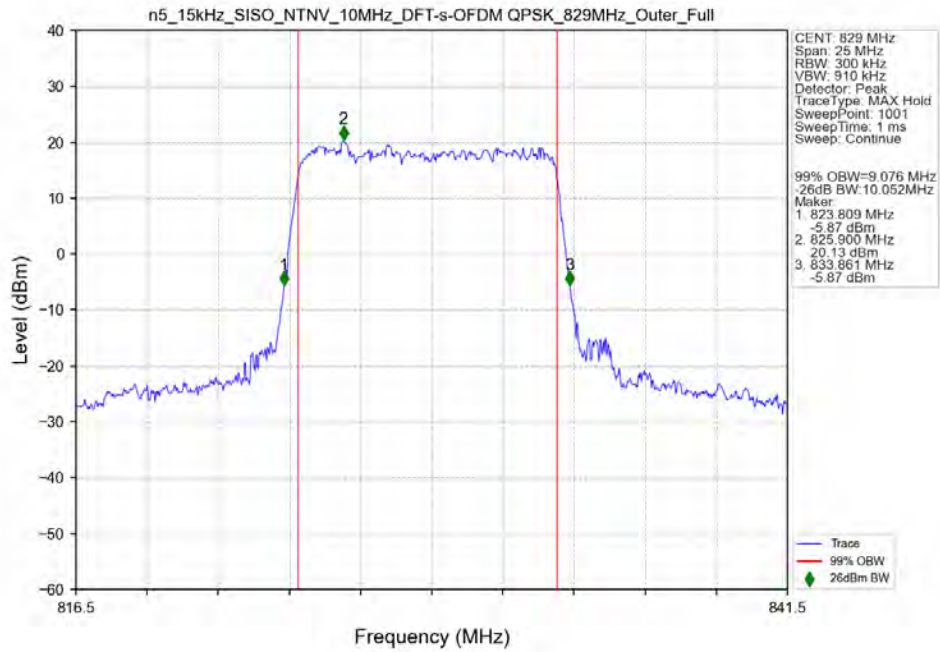
3.2.2 15k_SISO_10MHz_NTNV



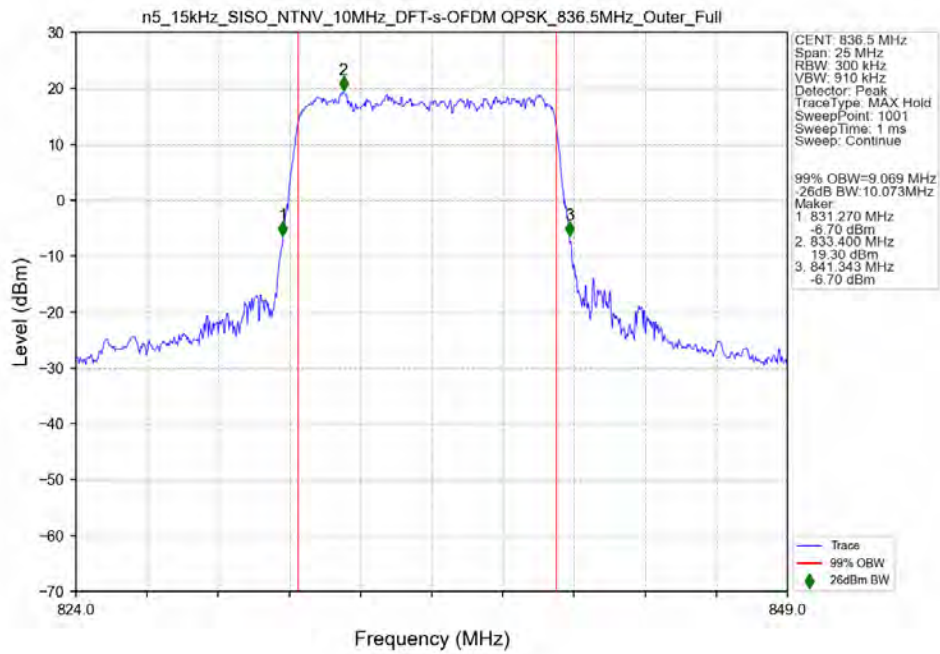
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_844MHz_Outer_Full_Ant11



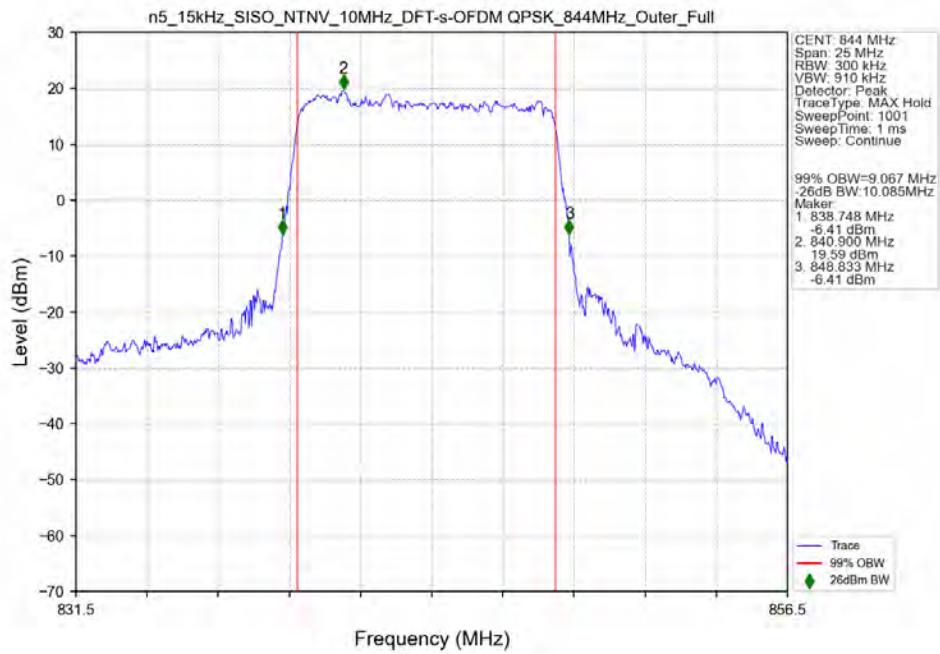
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_829MHz_Outer_Full_Ant11



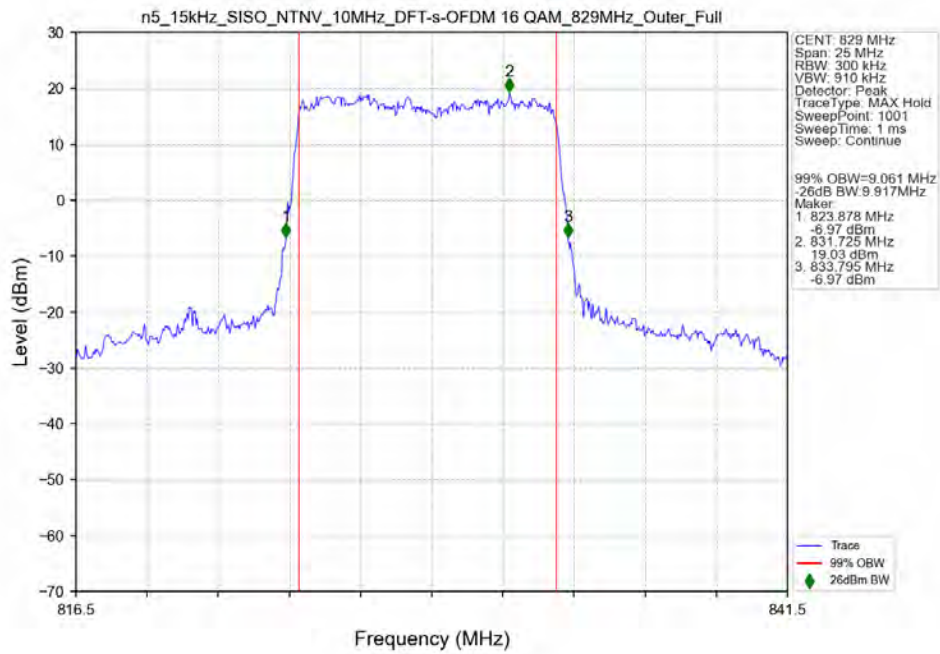
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



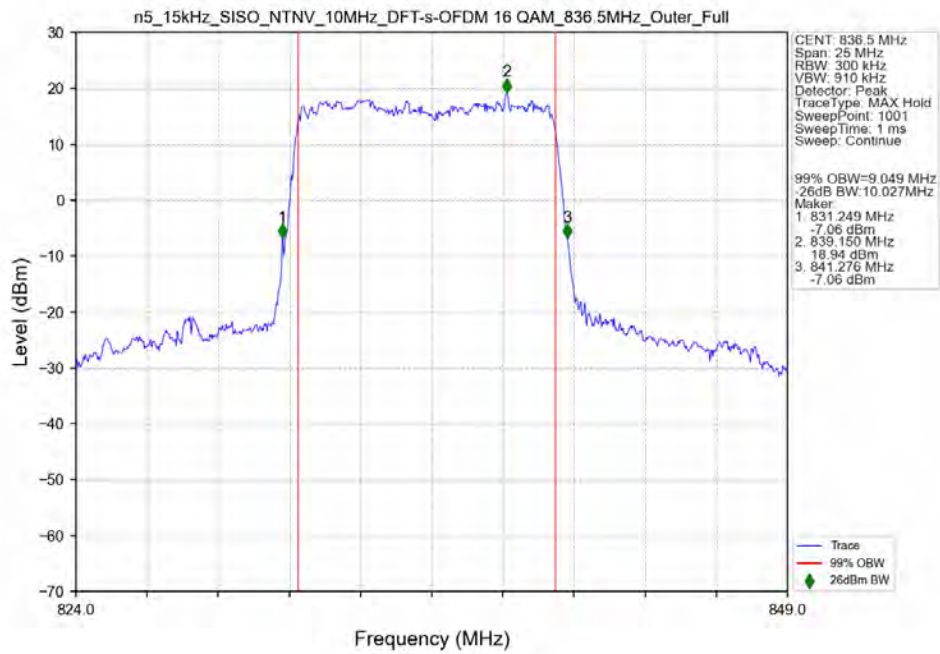
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full_Ant11



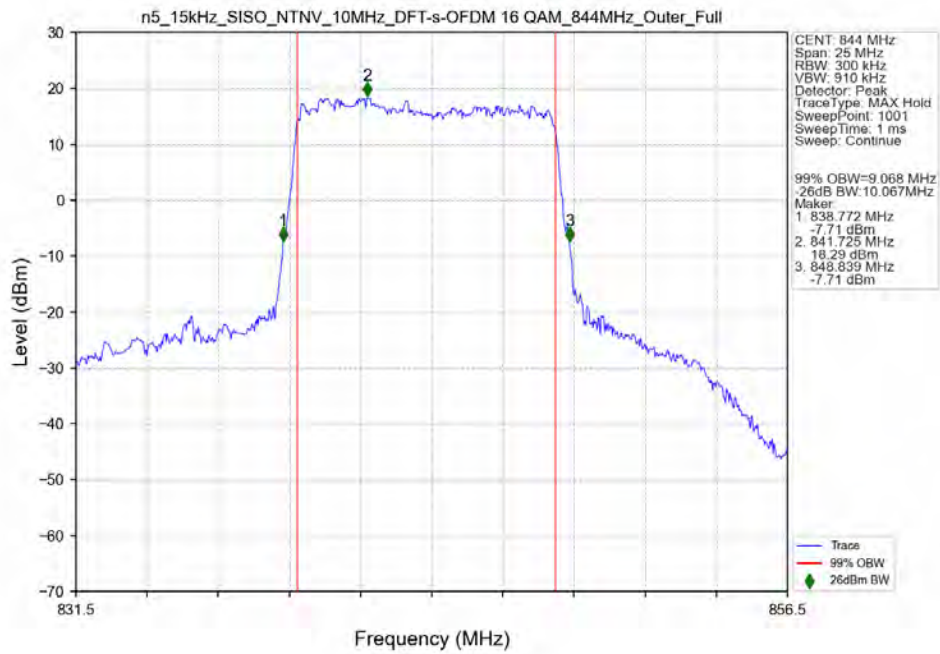
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_829MHz_Outer_Full_Ant11



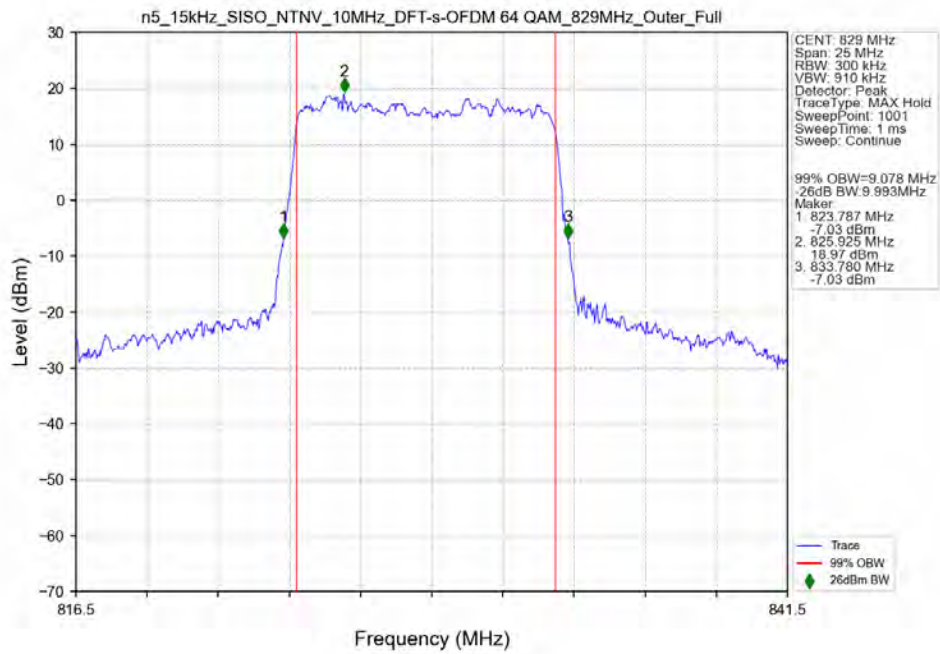
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



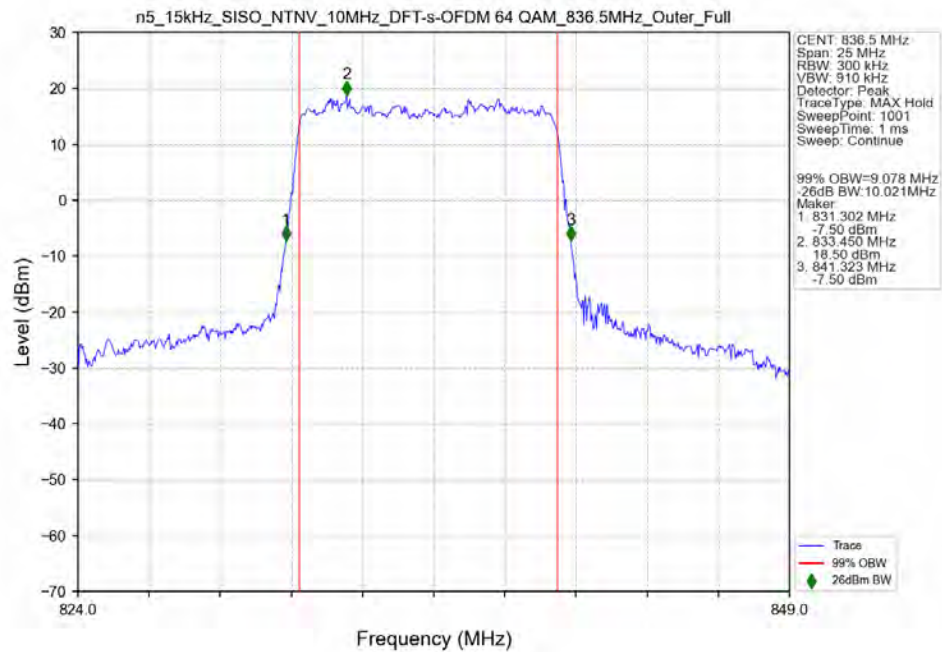
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16QAM_844MHz_Outer_Full_Ant11



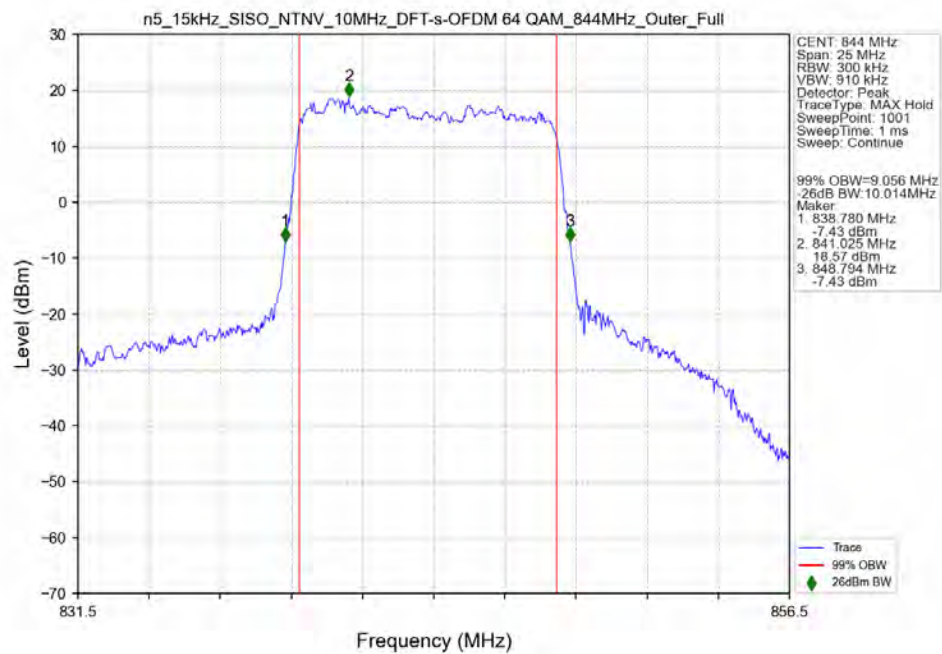
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64QAM_829MHz_Outer_Full_Ant11



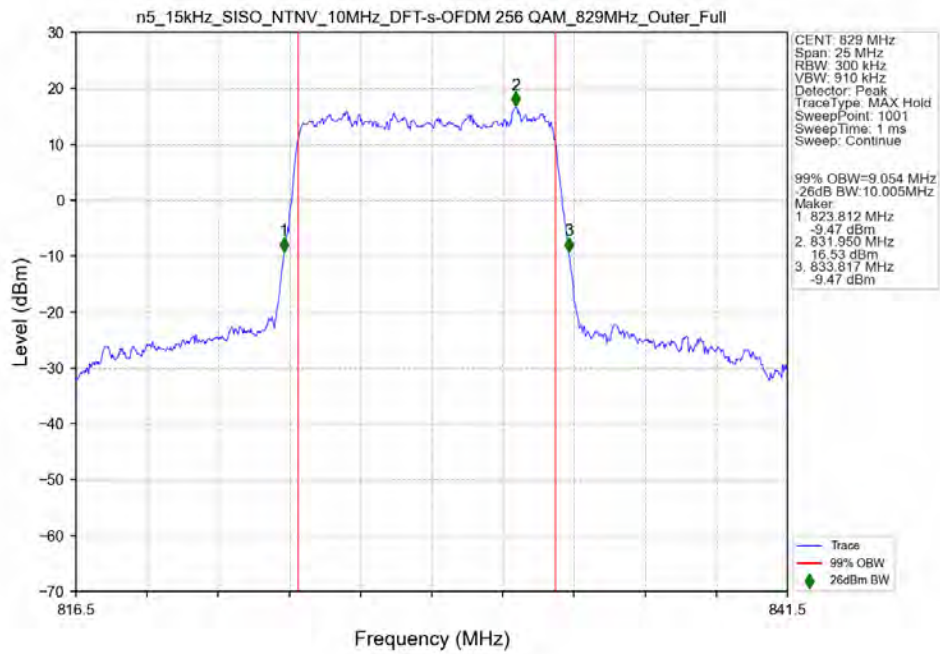
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant11



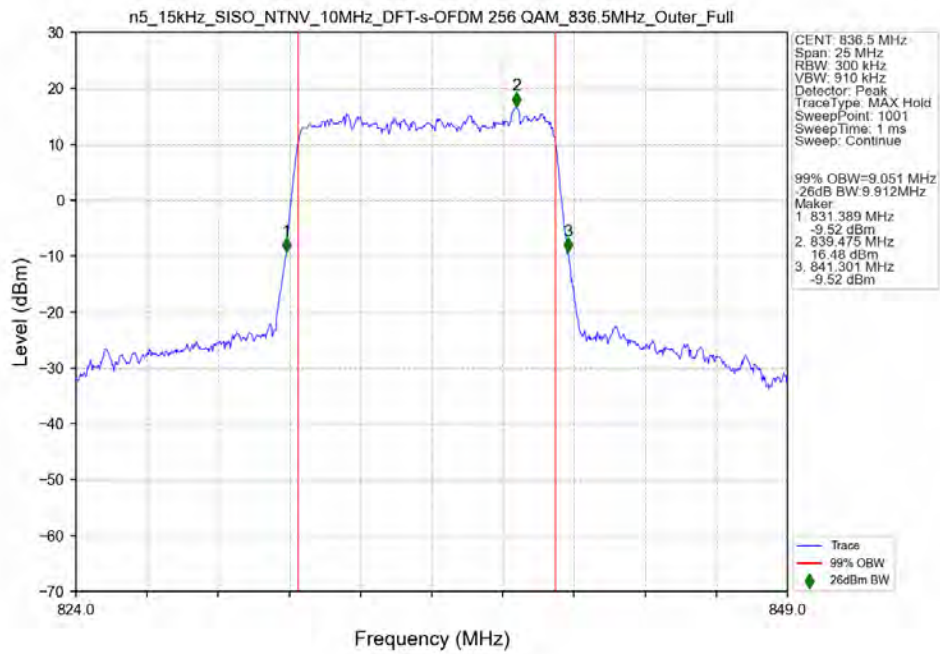
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_844MHz_Outer_Full_Ant11



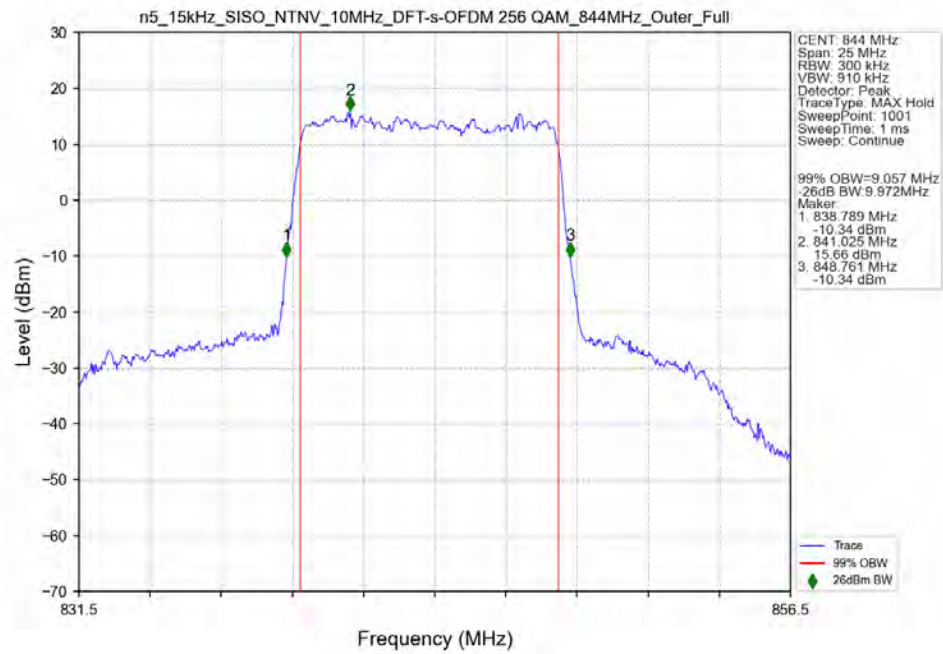
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_829MHz_Outer_Full_Ant11



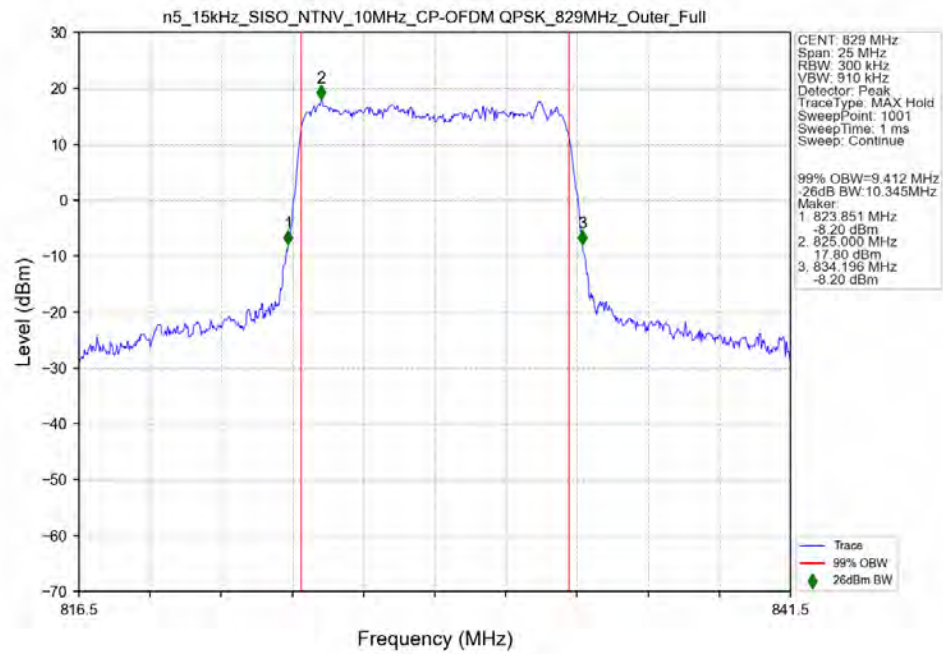
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



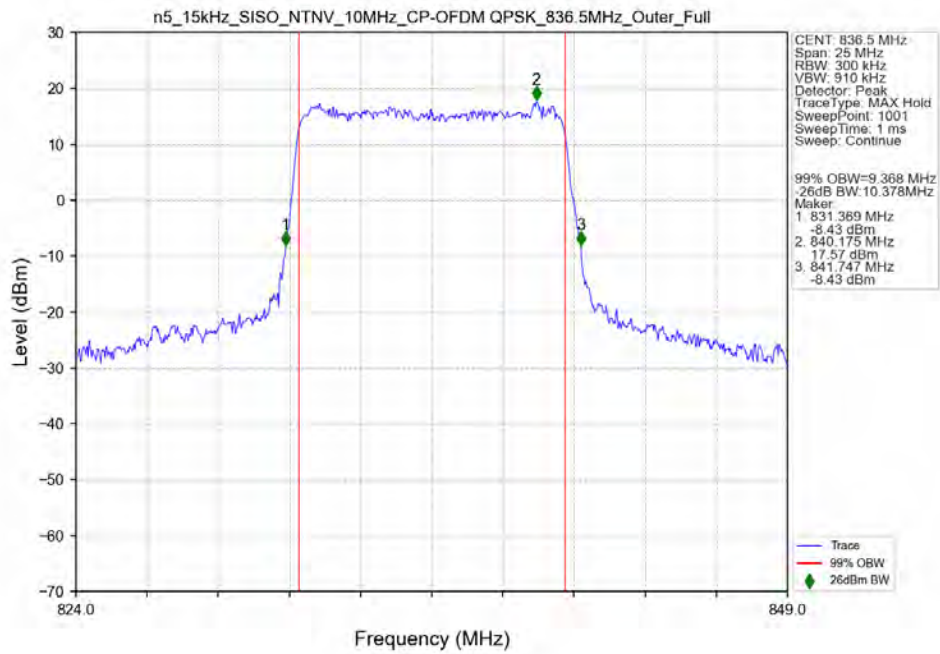
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_844MHz_Outer_Full_Ant11



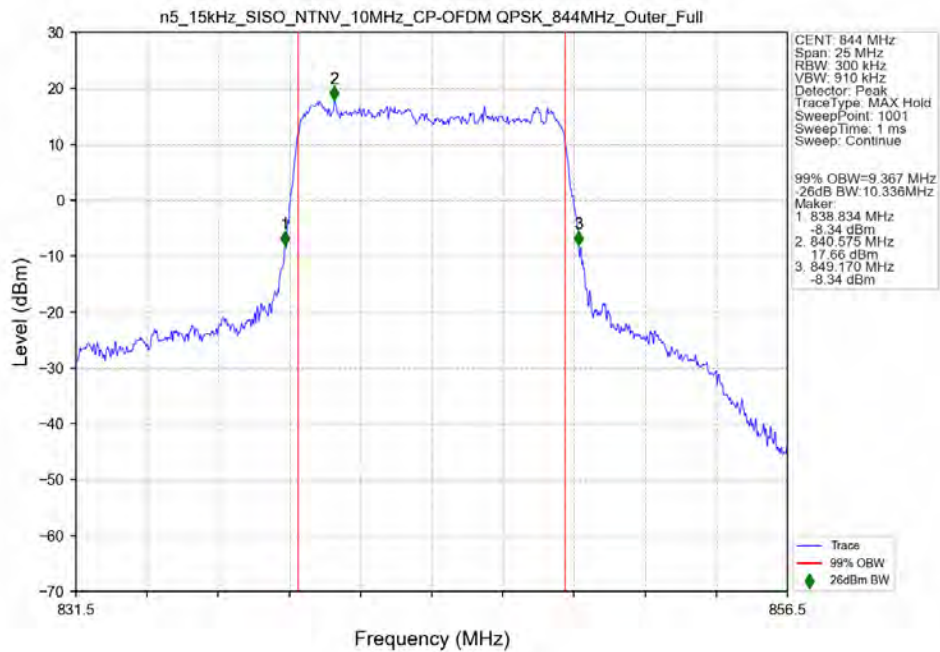
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_829MHz_Outer_Full_Ant11



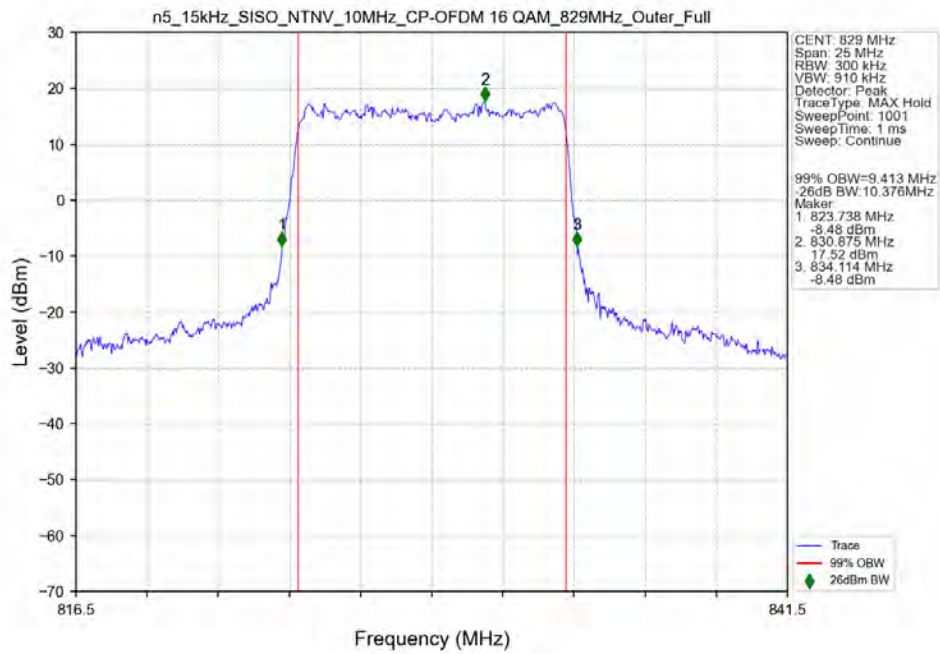
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



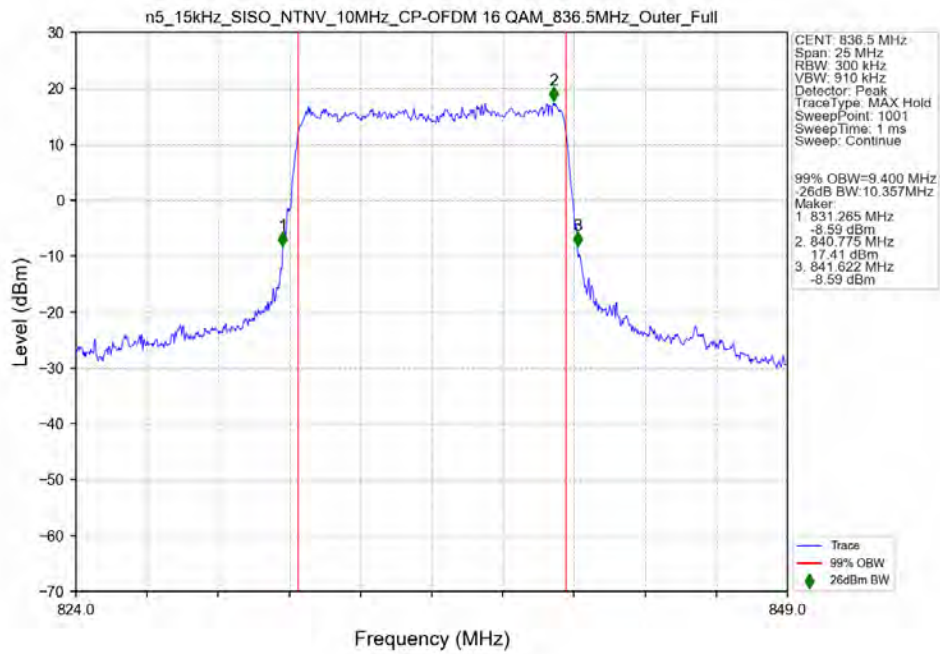
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_844MHz_Outer_Full_Ant11



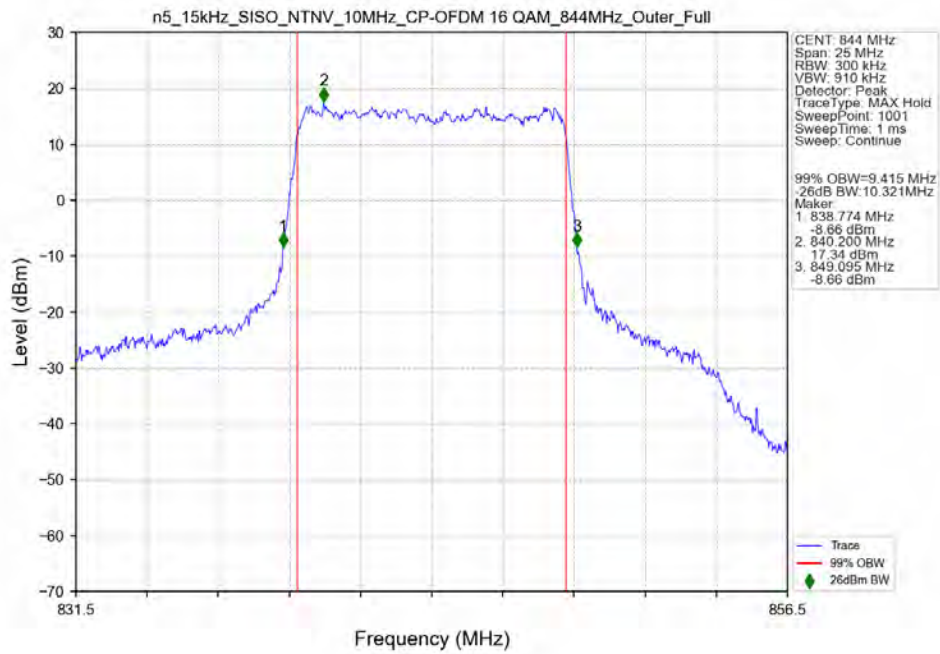
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_829MHz_Outer_Full_Ant11



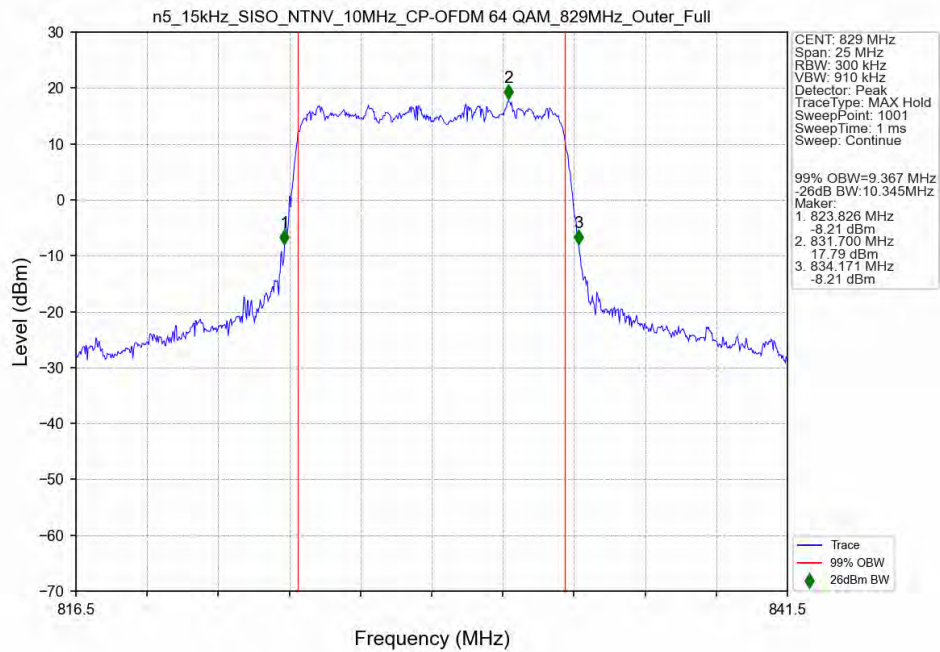
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



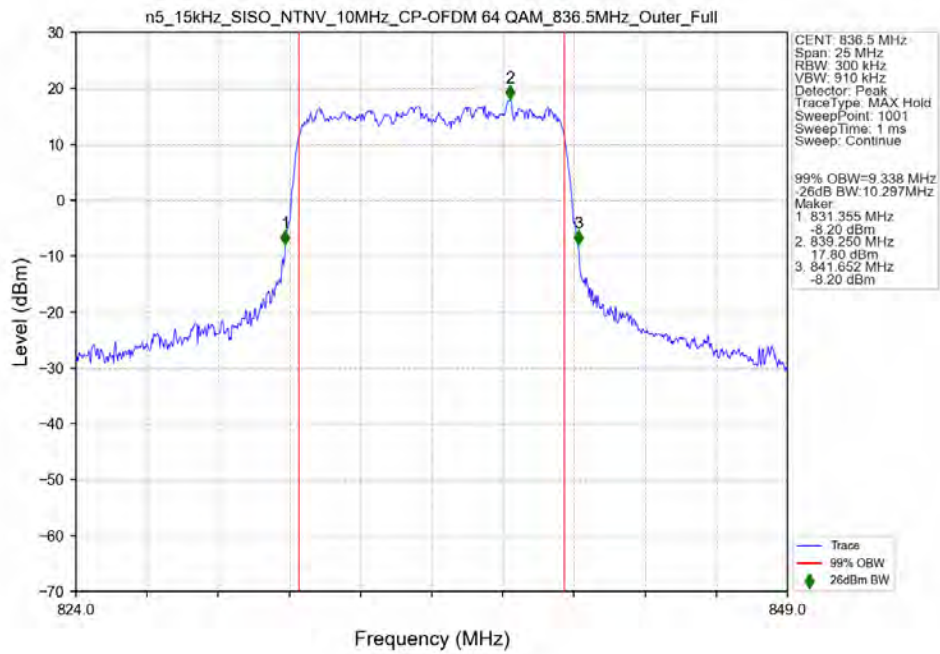
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 844MHz_Outer_Full_Ant11



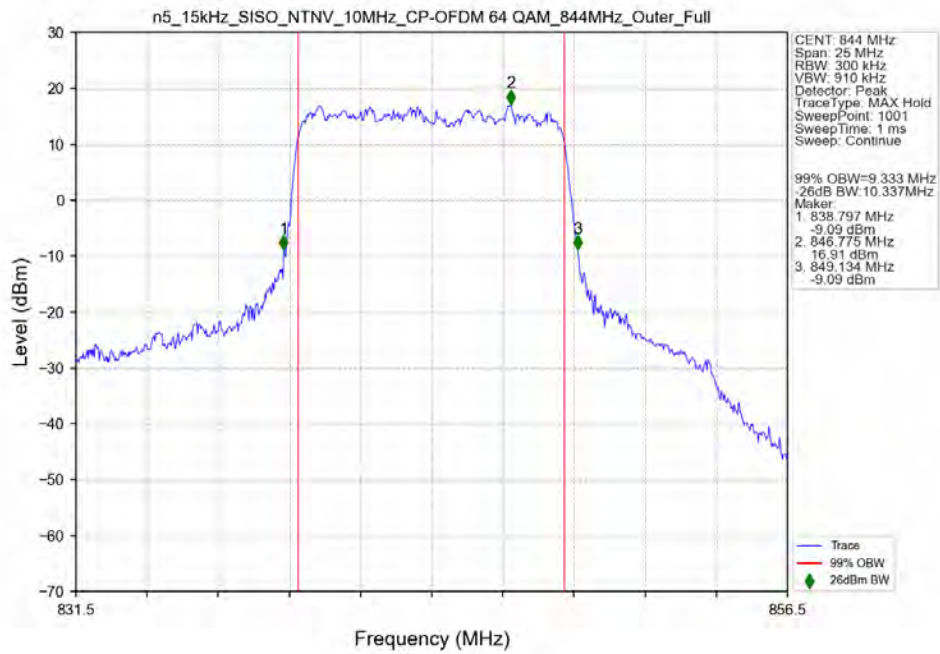
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 829MHz_Outer_Full_Ant11



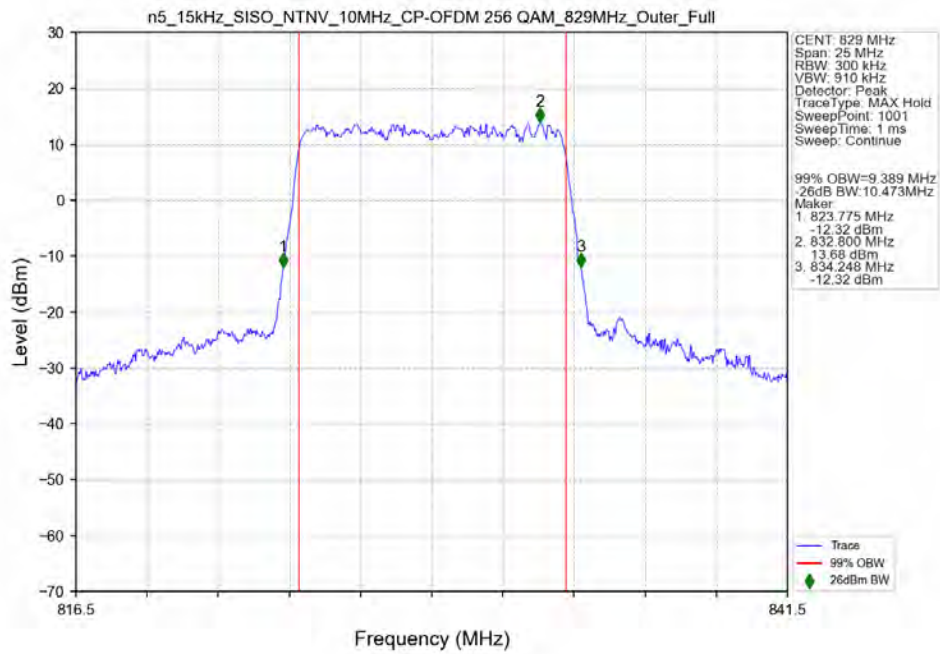
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 836.5MHz_Outer_Full_Ant11



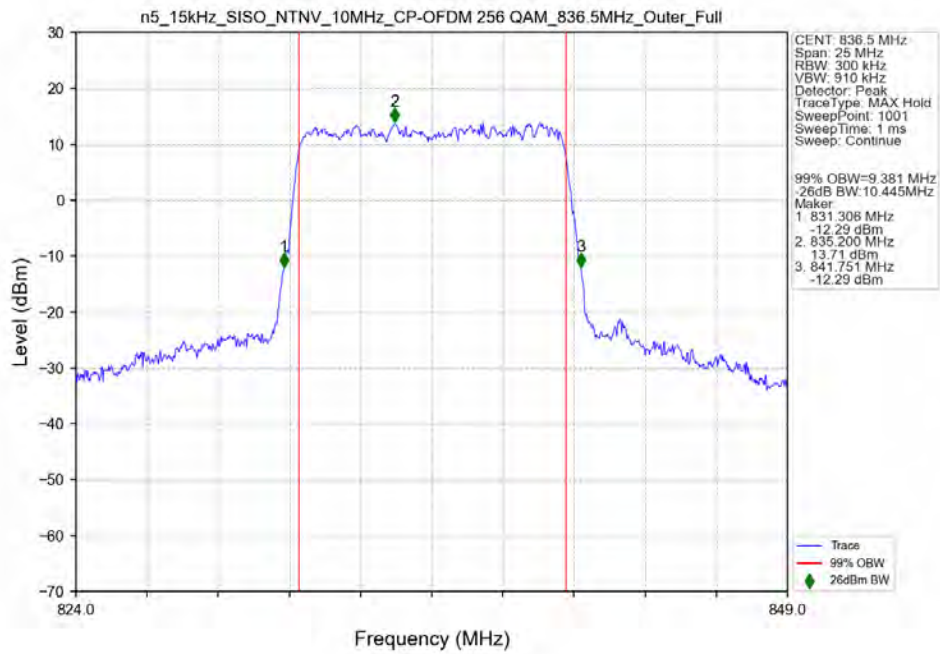
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_844MHz_Outer_Full_Ant11



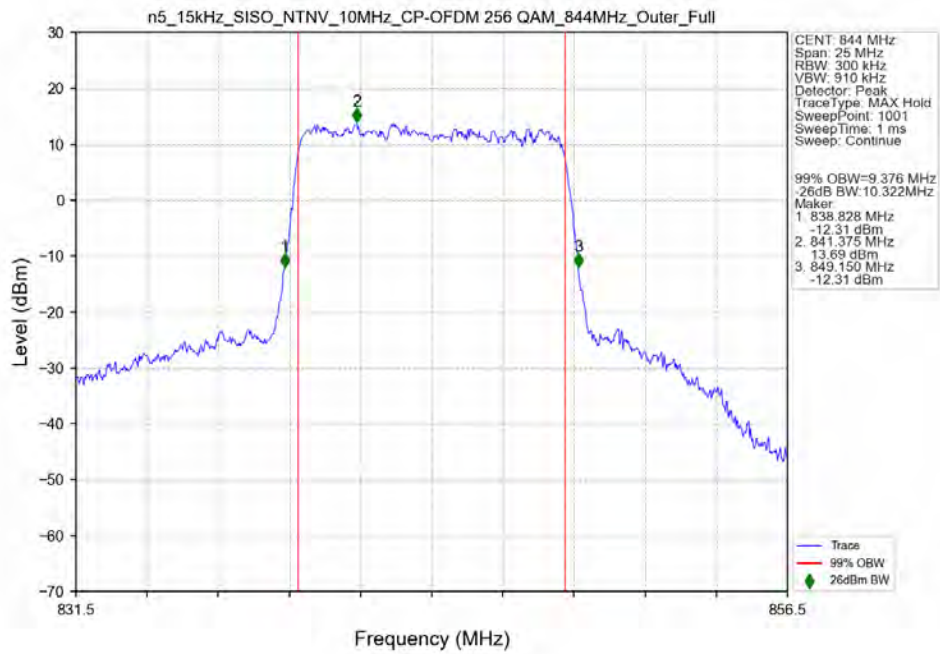
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_829MHz_Outer_Full_Ant11



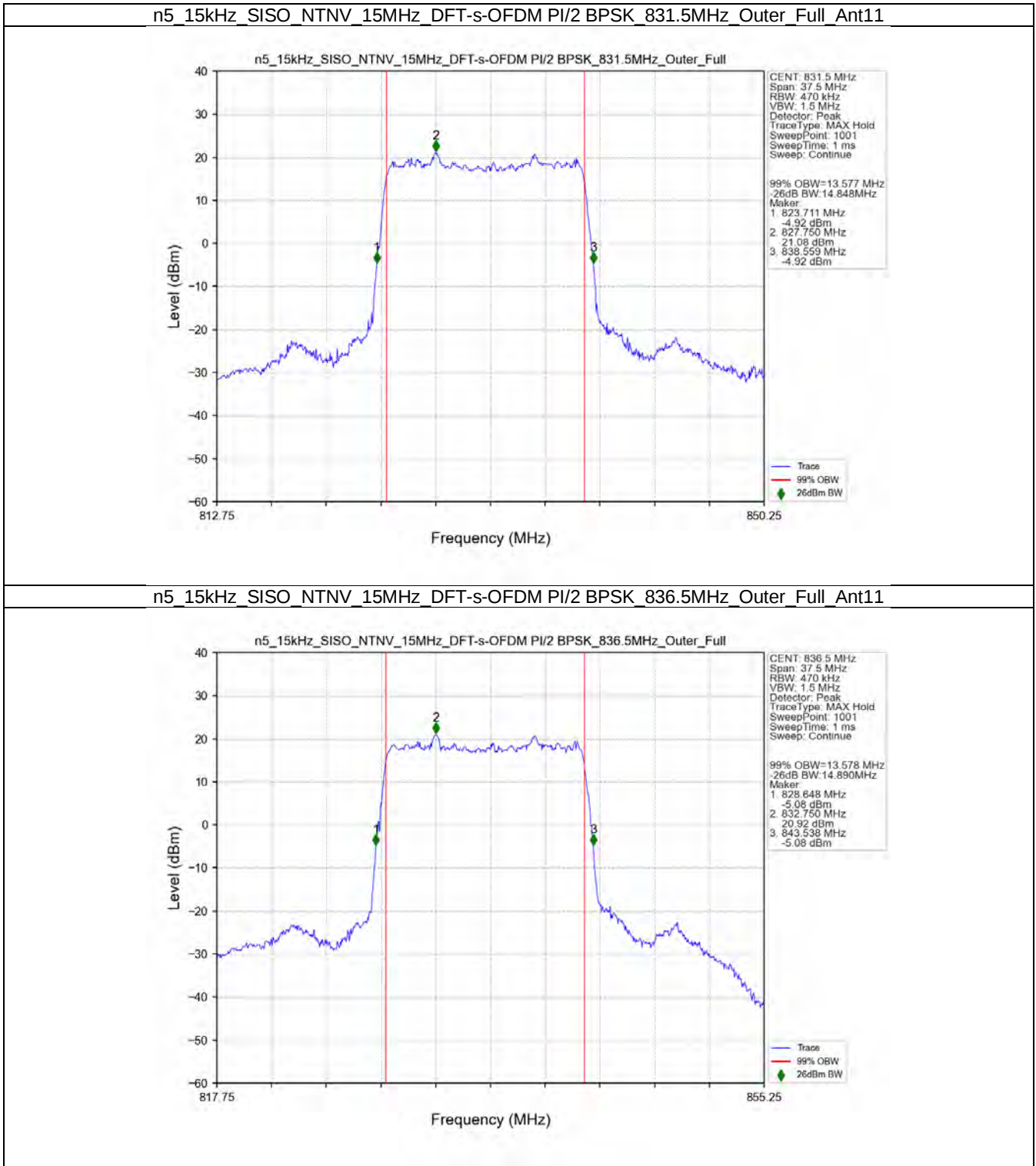
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



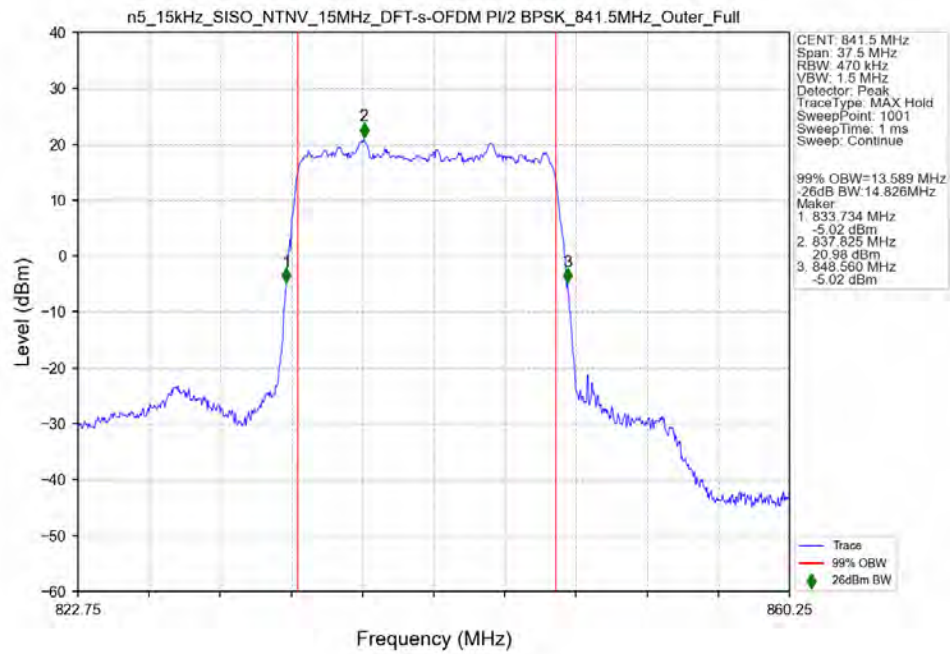
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_844MHz_Outer_Full_Ant11



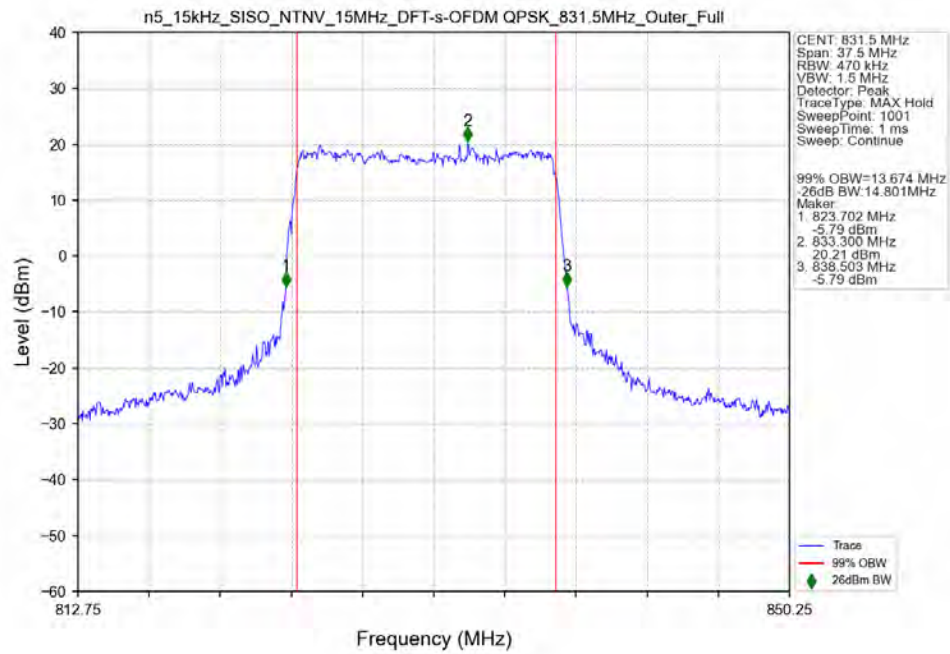
3.2.3 15k_SISO_15MHz_NTNV



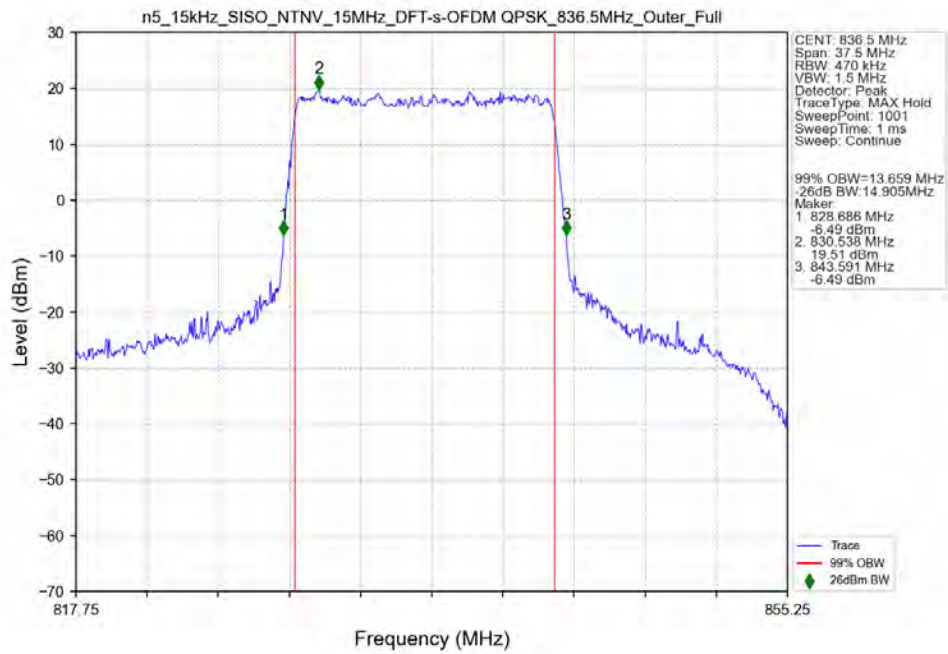
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_841.5MHz_Outer_Full_Ant11



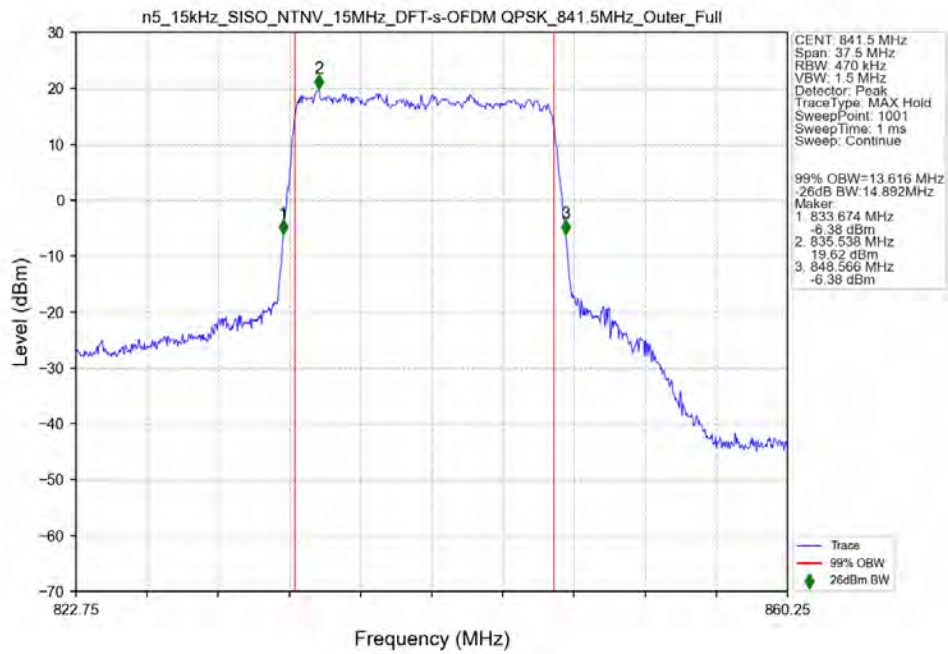
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_831.5MHz_Outer_Full_Ant11



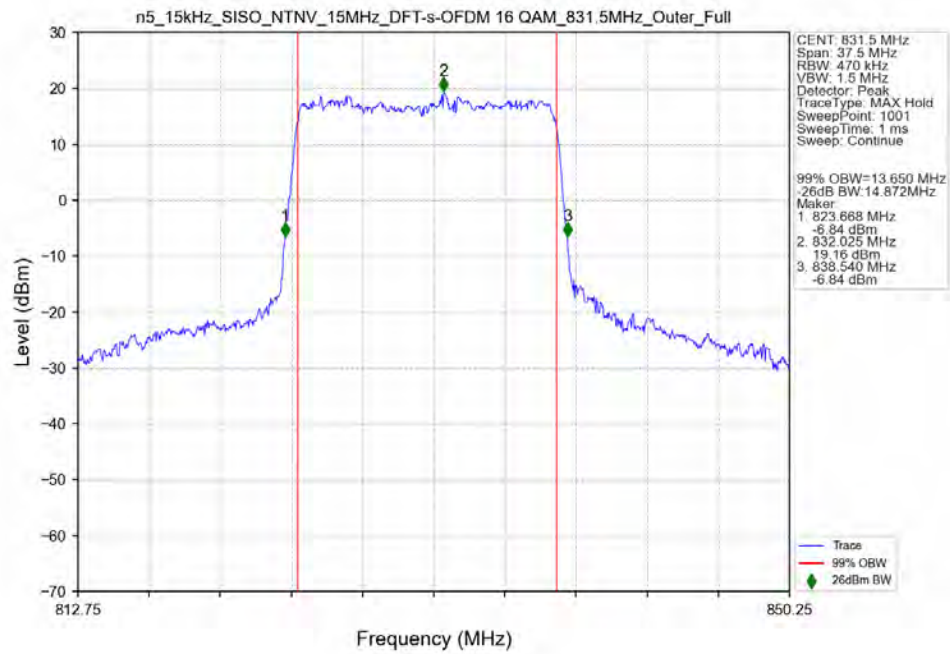
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



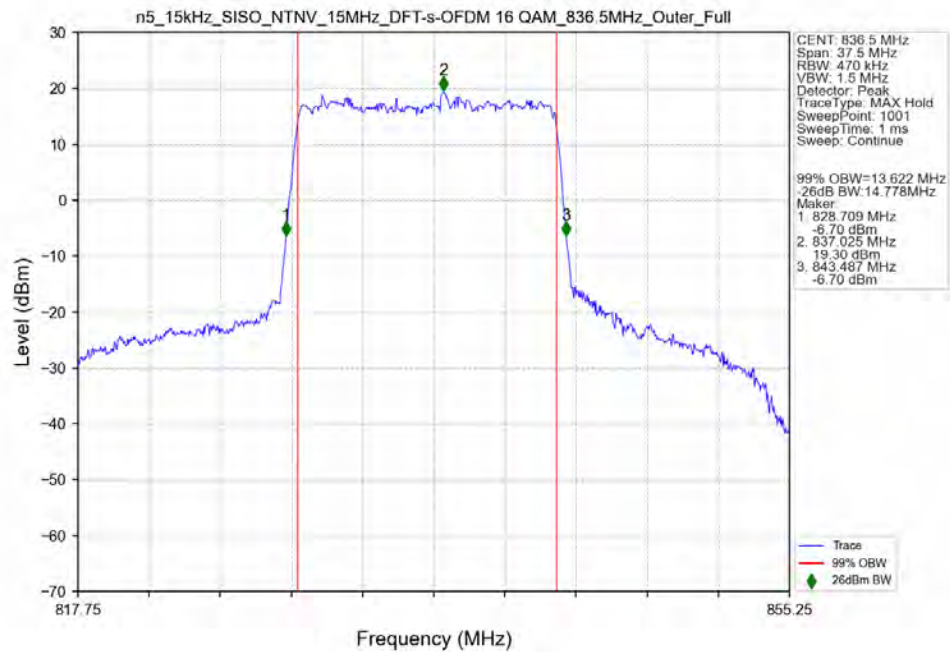
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_841.5MHz_Outer_Full_Ant11



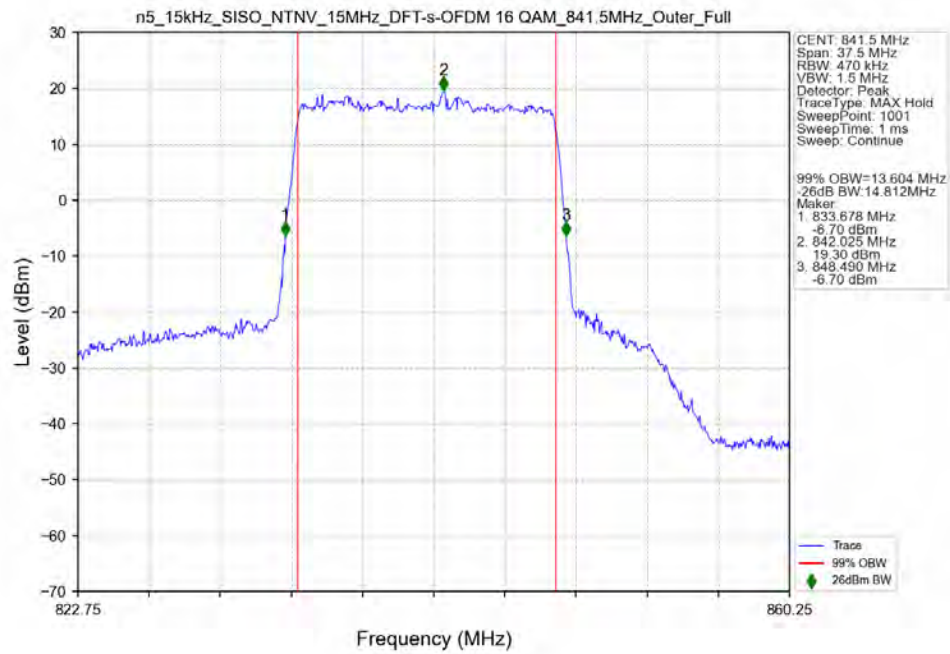
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_831.5MHz_Outer_Full_Ant11



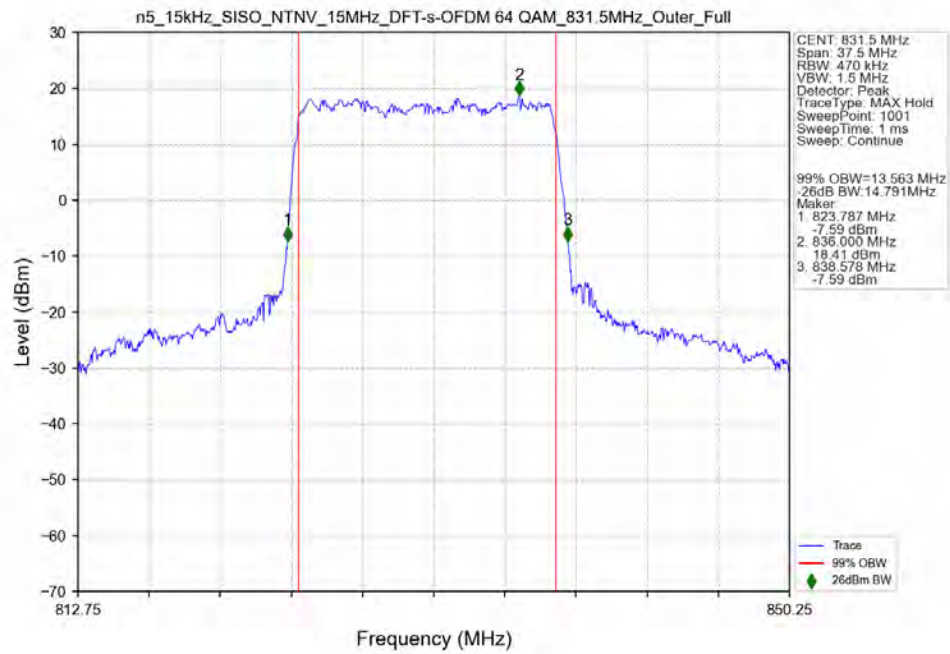
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



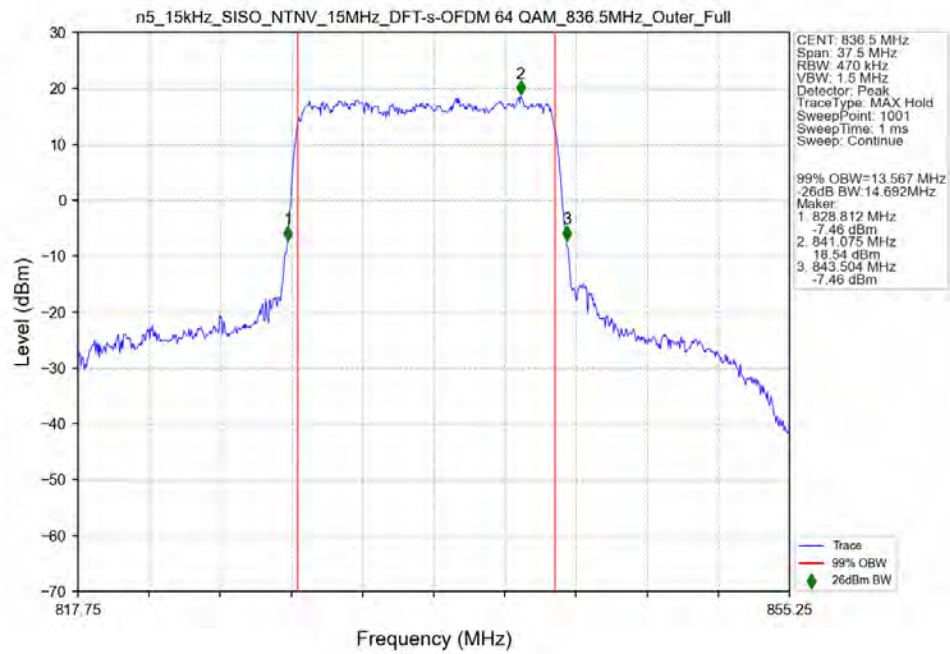
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16QAM_841.5MHz_Outer_Full_Ant11



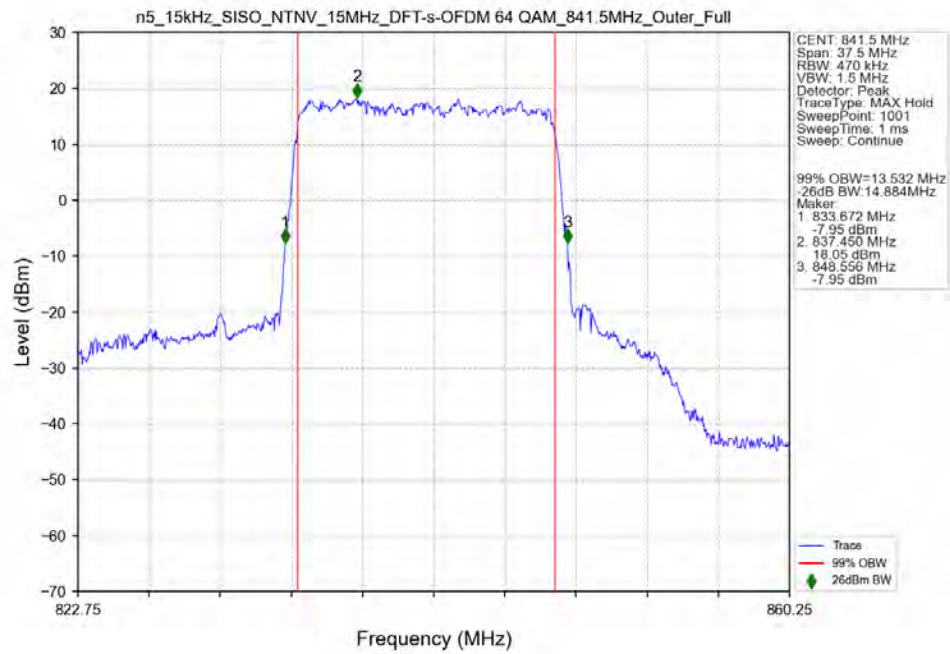
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64QAM_831.5MHz_Outer_Full_Ant11



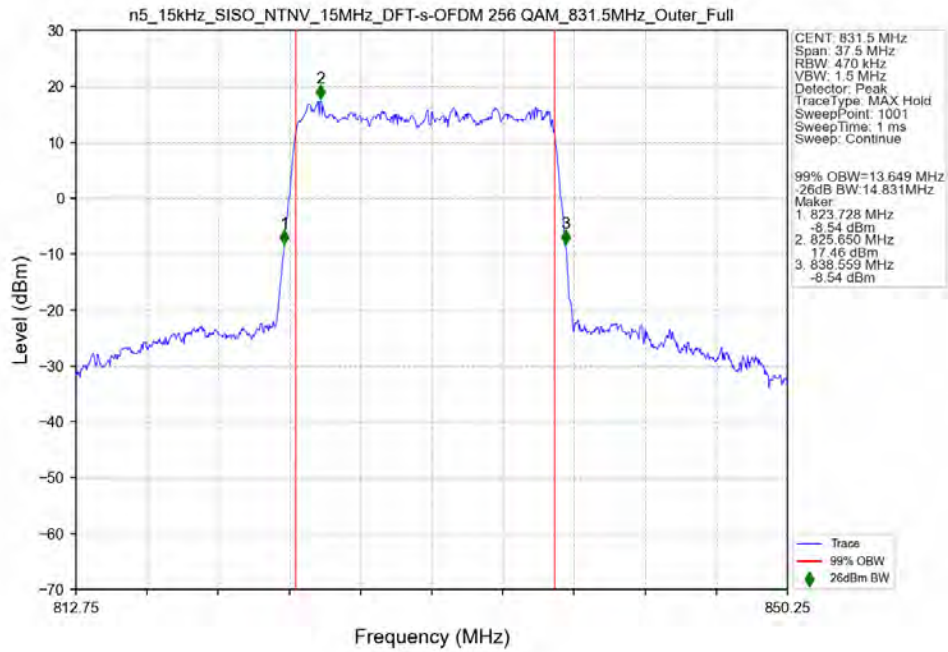
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant11



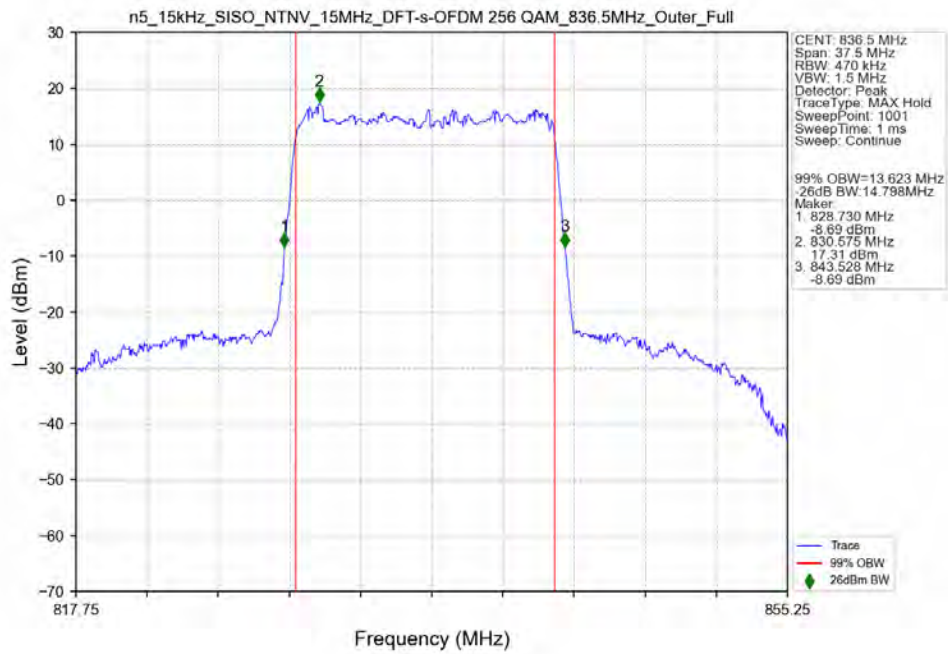
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_841.5MHz_Outer_Full_Ant11



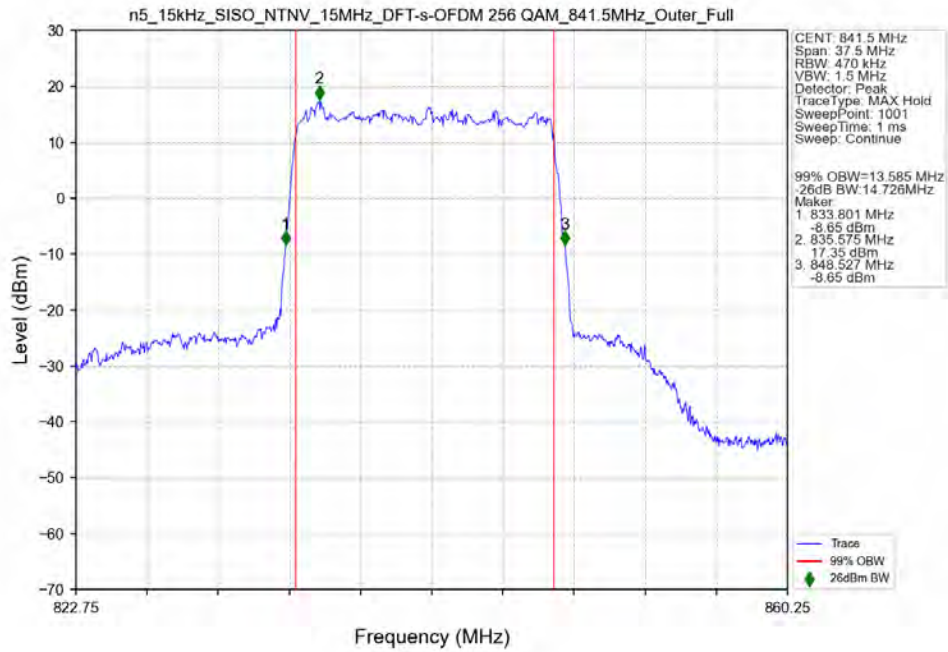
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_831.5MHz_Outer_Full_Ant11



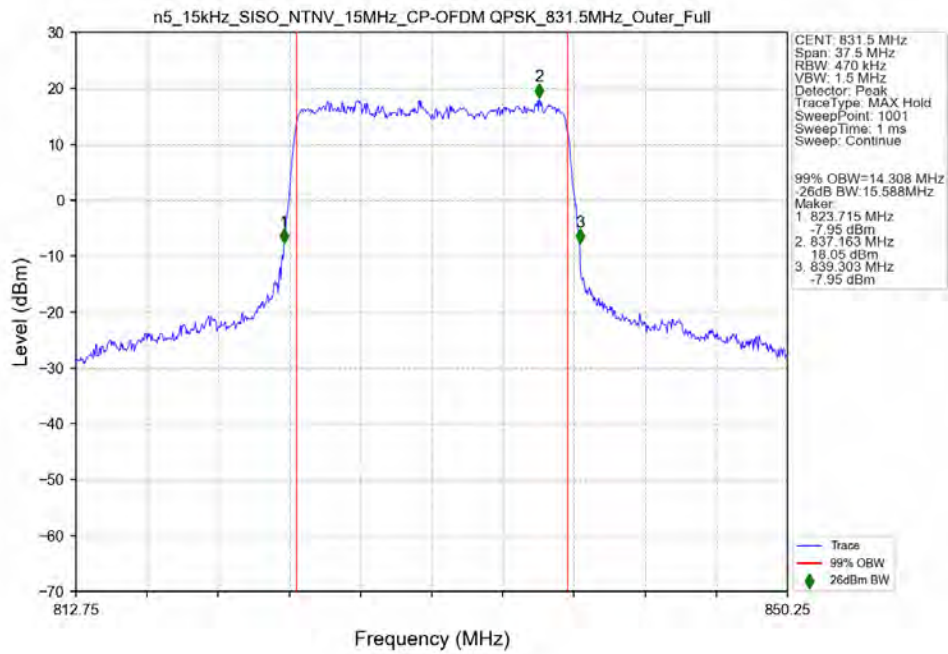
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



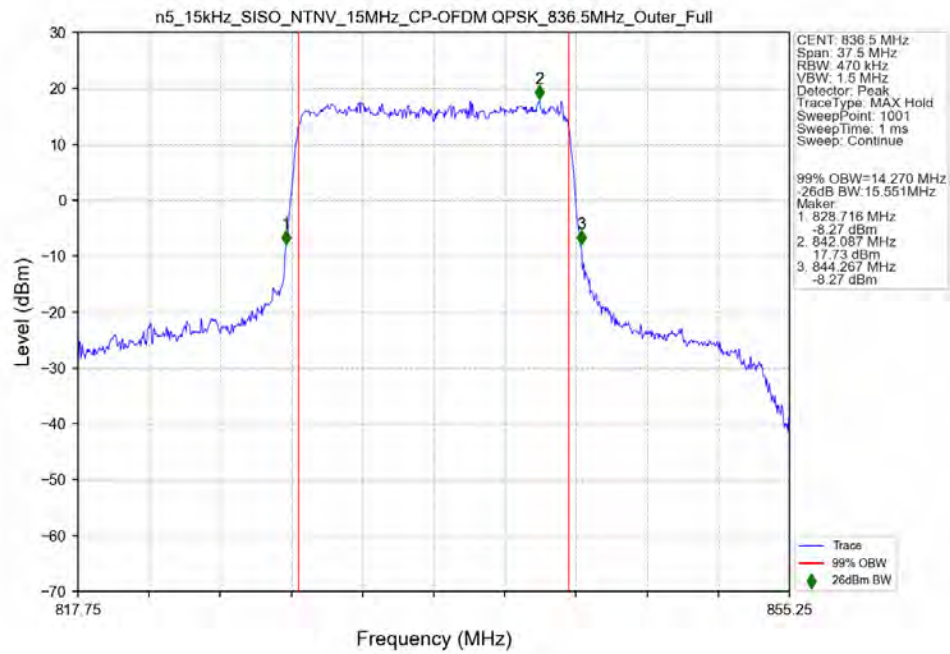
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_841.5MHz_Outer_Full_Ant11



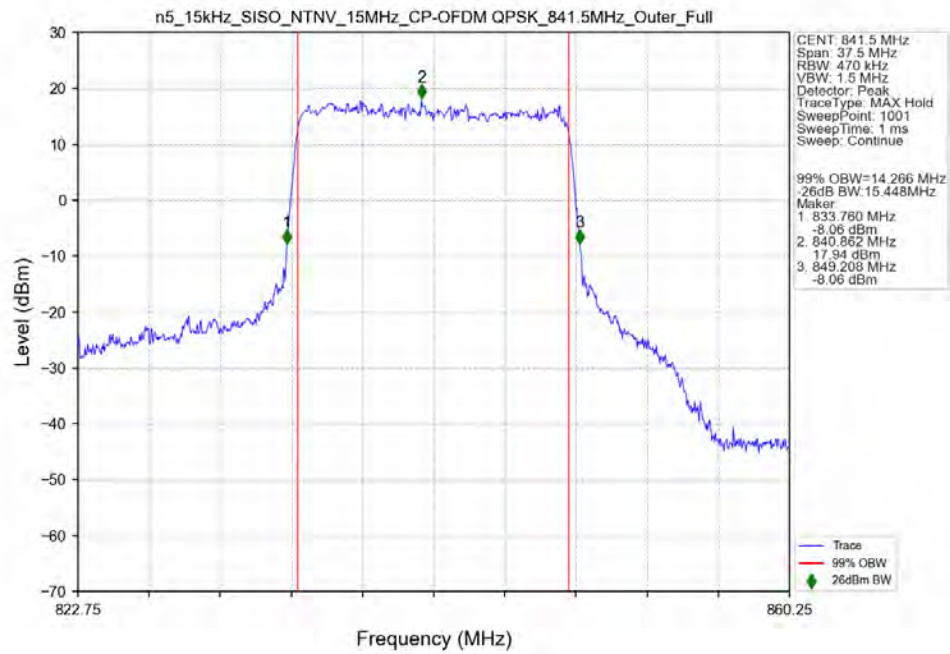
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_831.5MHz_Outer_Full_Ant11



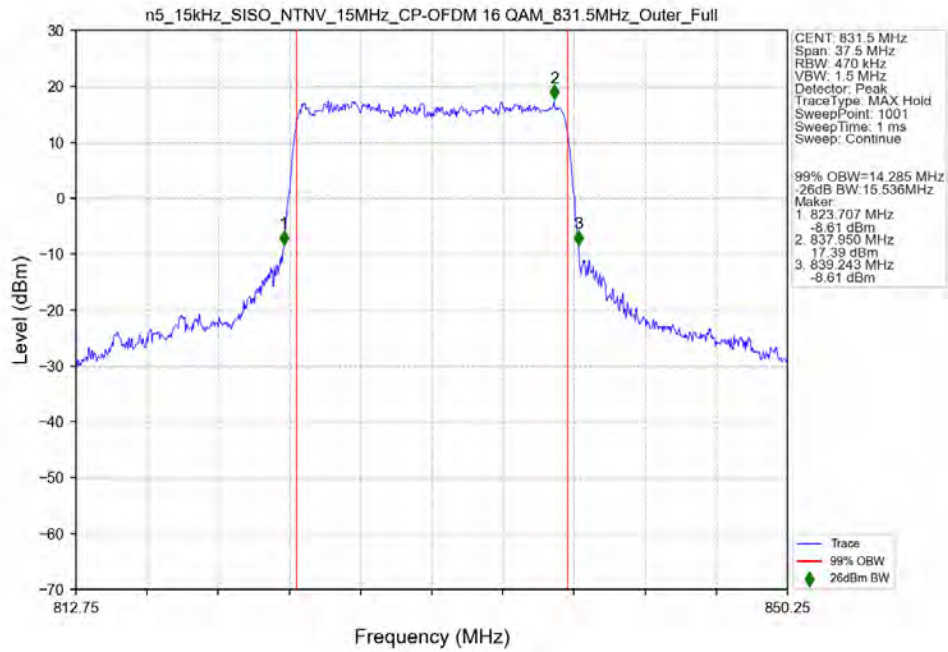
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



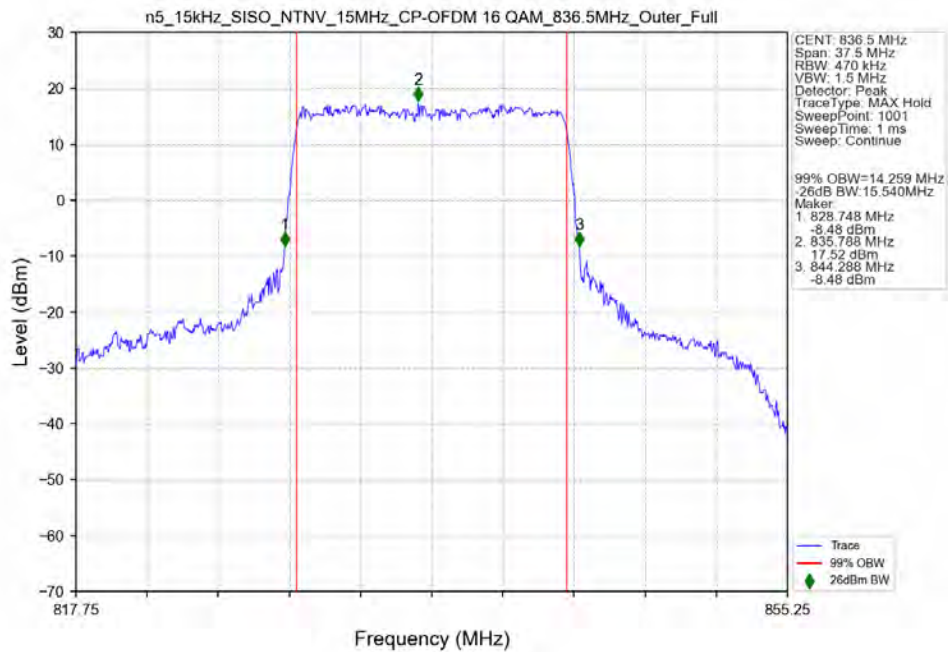
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_841.5MHz_Outer_Full_Ant11



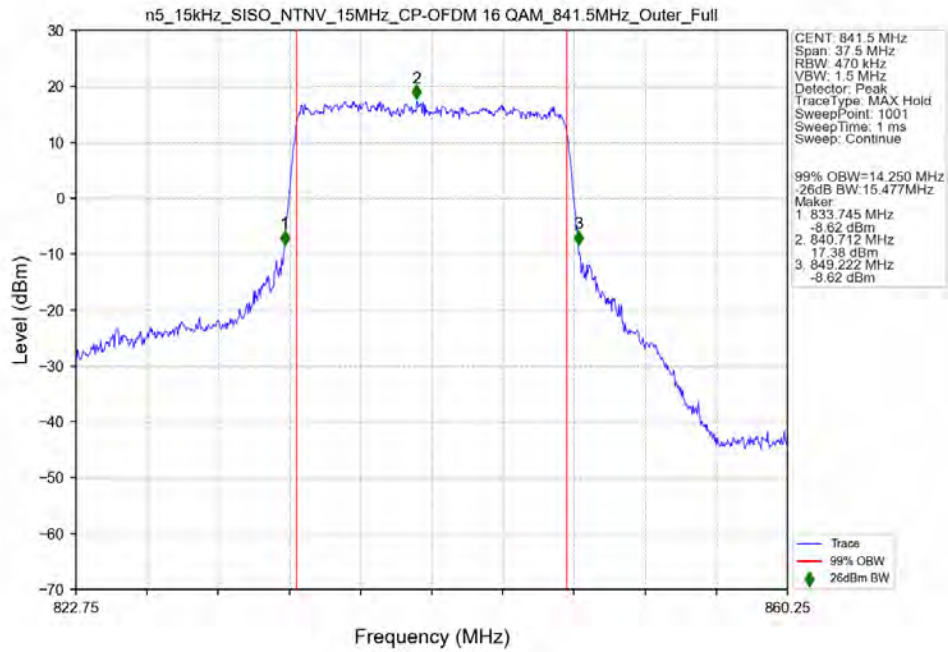
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_831.5MHz_Outer_Full_Ant11



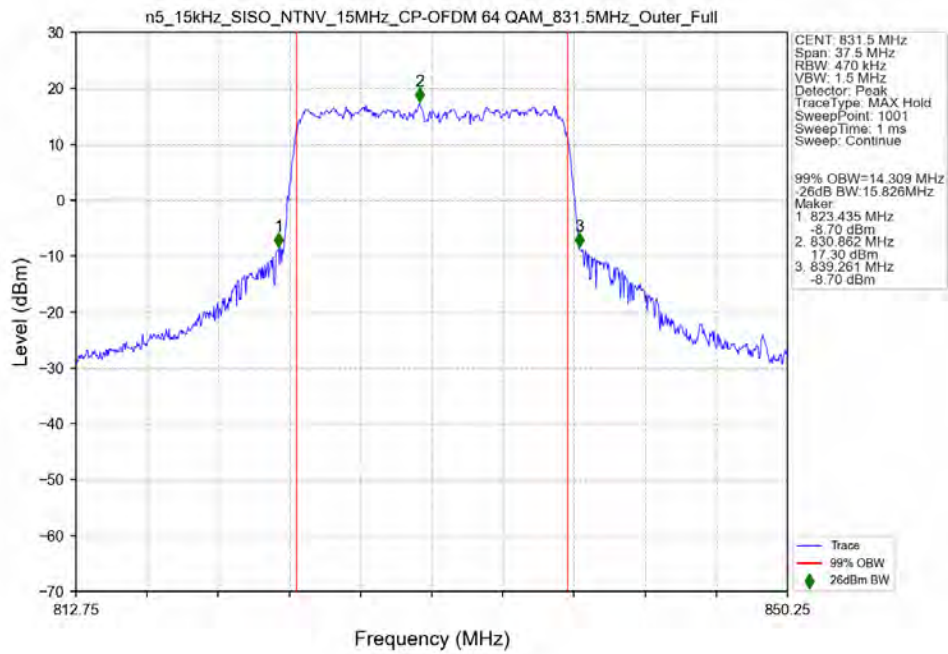
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



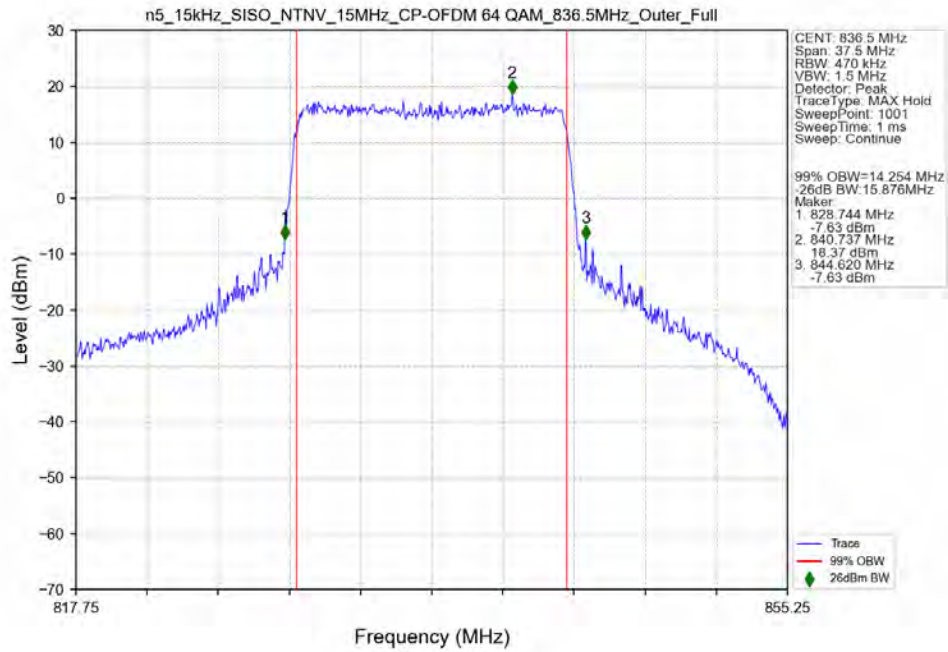
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM 841.5MHz_Outer_Full_Ant11



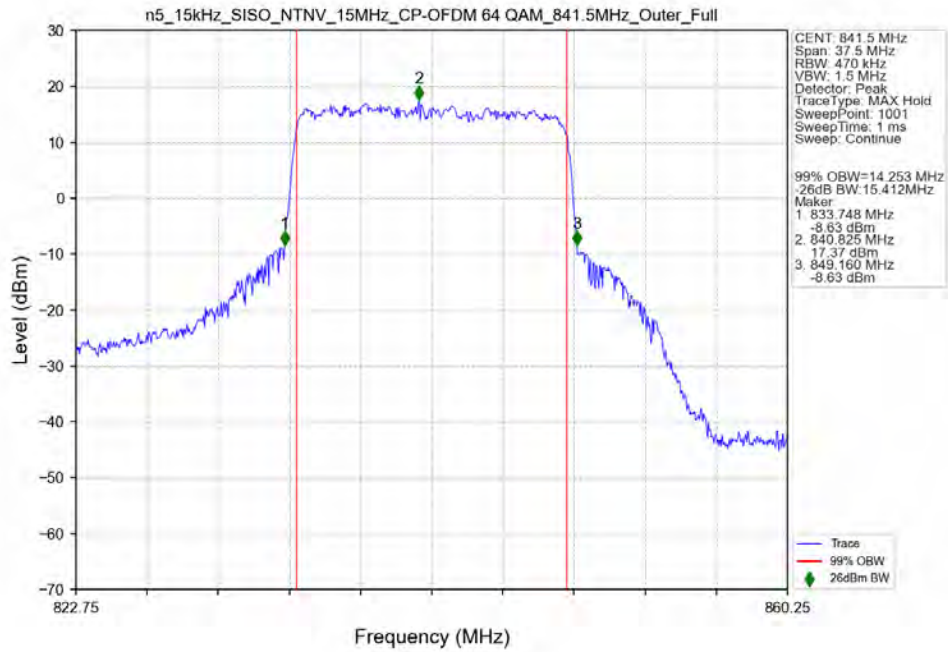
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM 831.5MHz_Outer_Full_Ant11



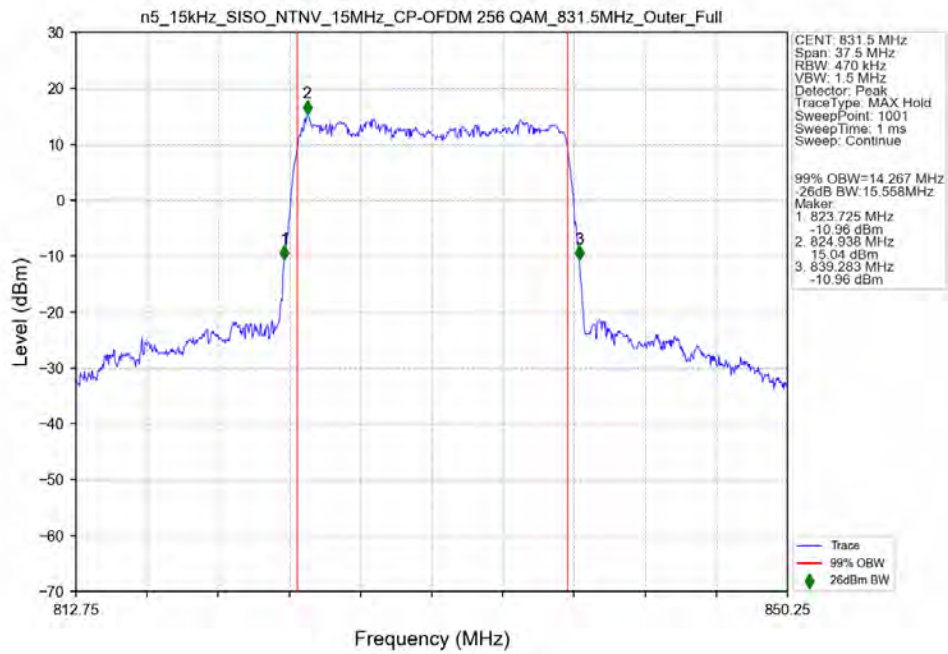
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM 836.5MHz_Outer_Full_Ant11



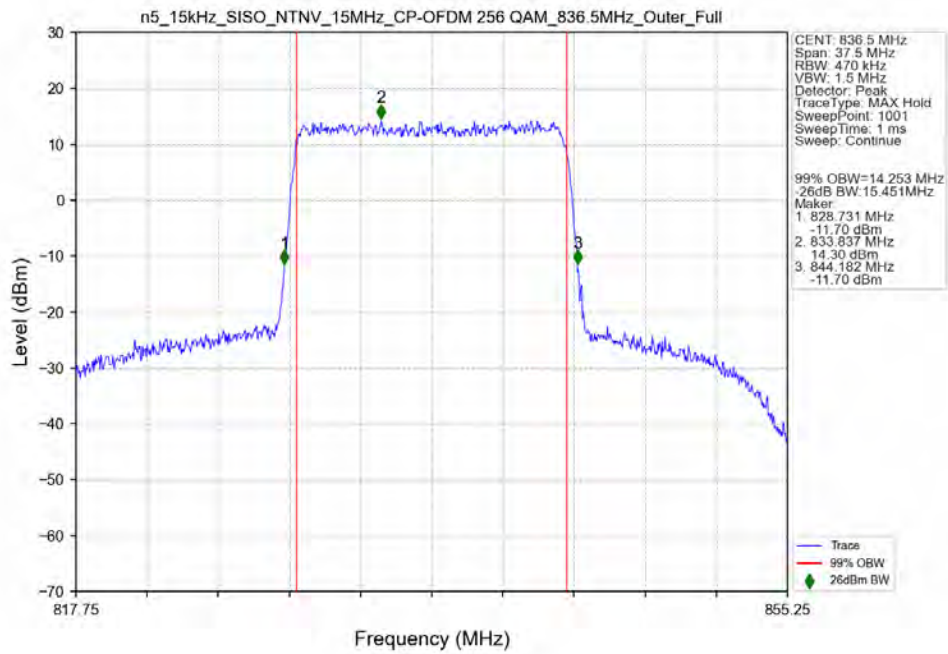
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM 841.5MHz_Outer_Full_Ant11



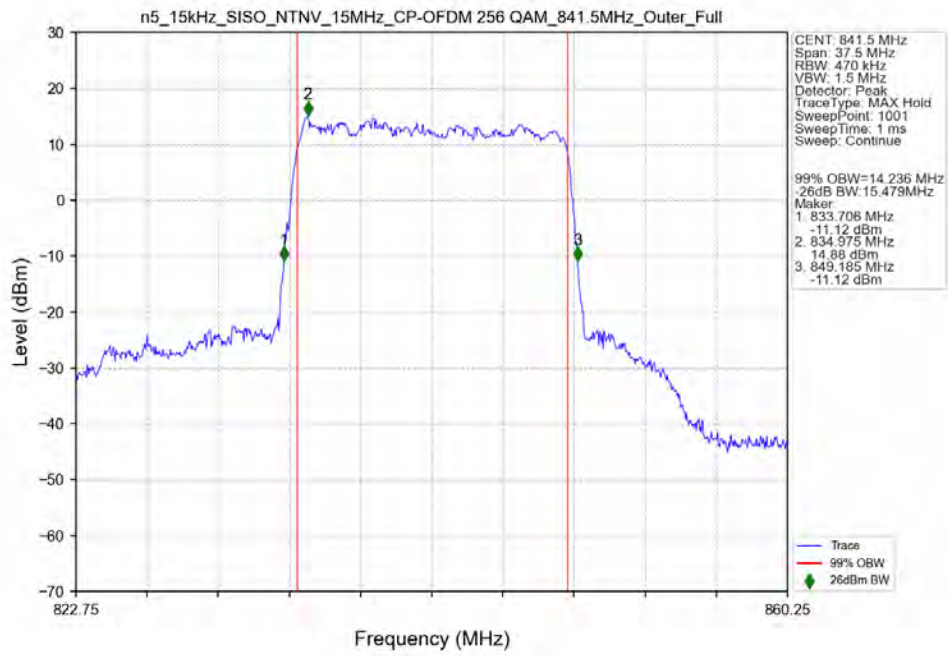
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_831.5MHz_Outer_Full_Ant11



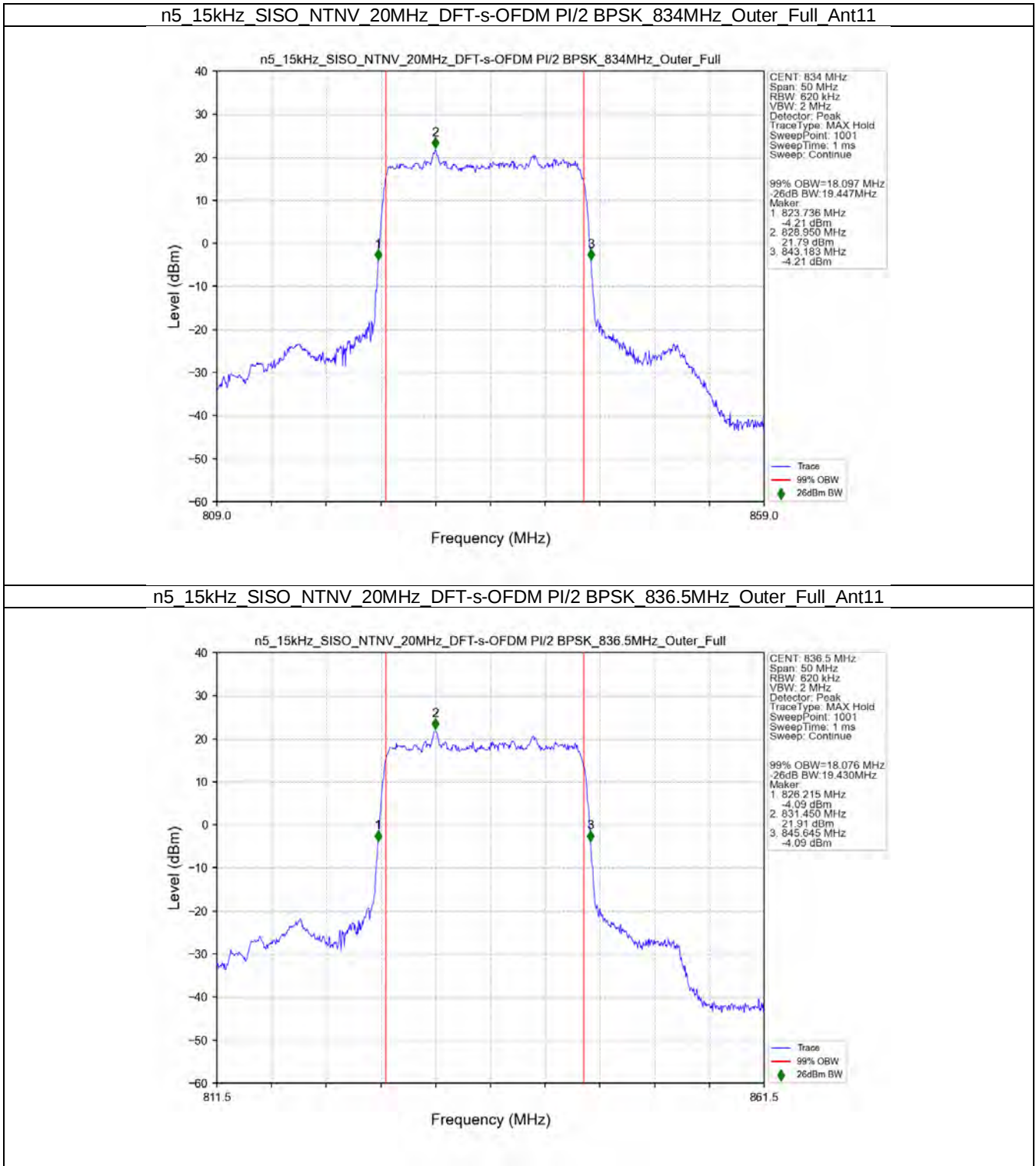
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



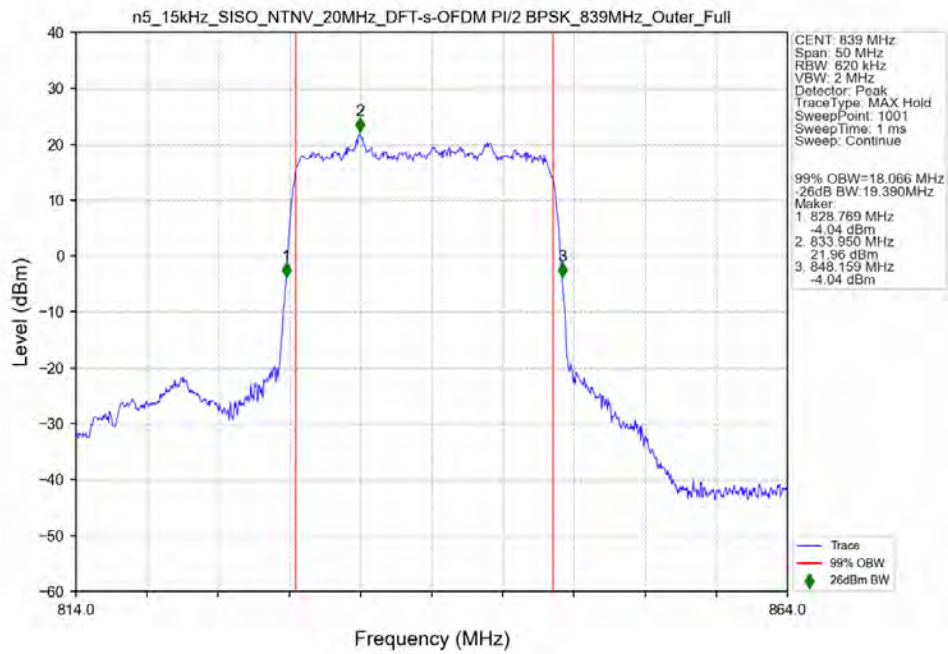
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_841.5MHz_Outer_Full_Ant11



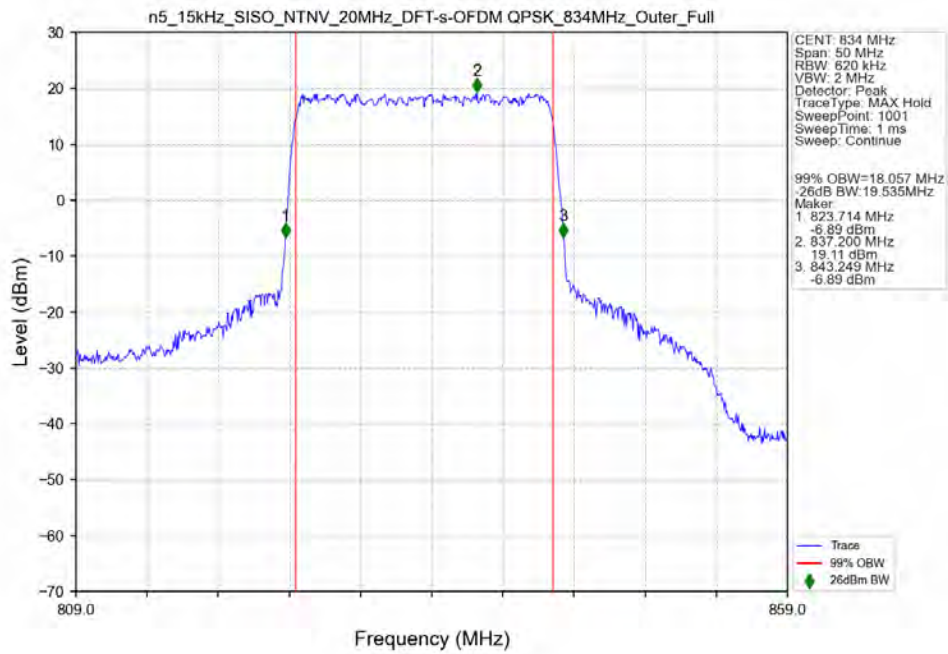
3.2.4 15k_SISO_20MHz_NTNV



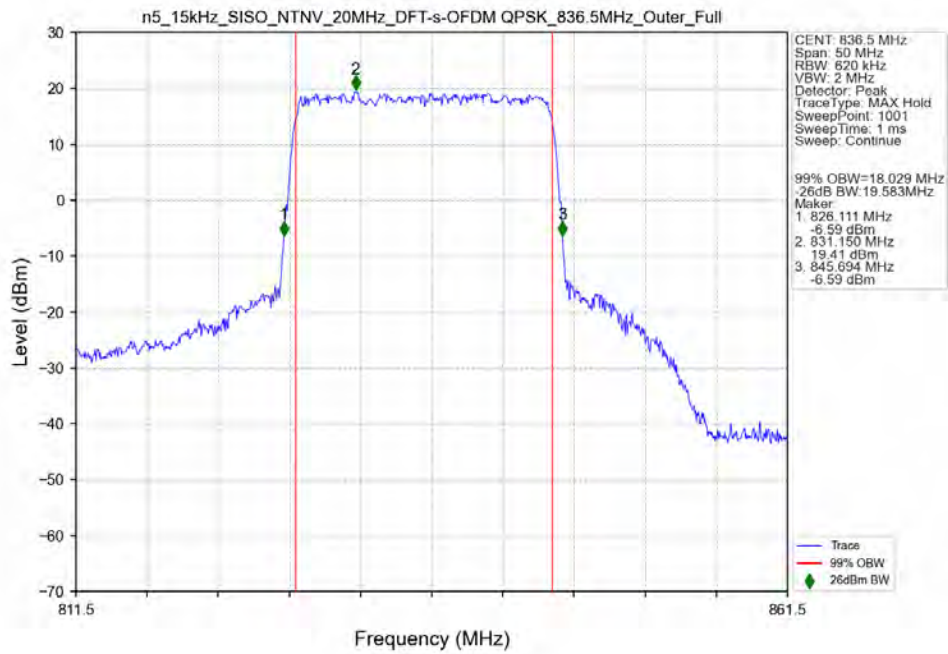
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 839MHz_Outer_Full_Ant11



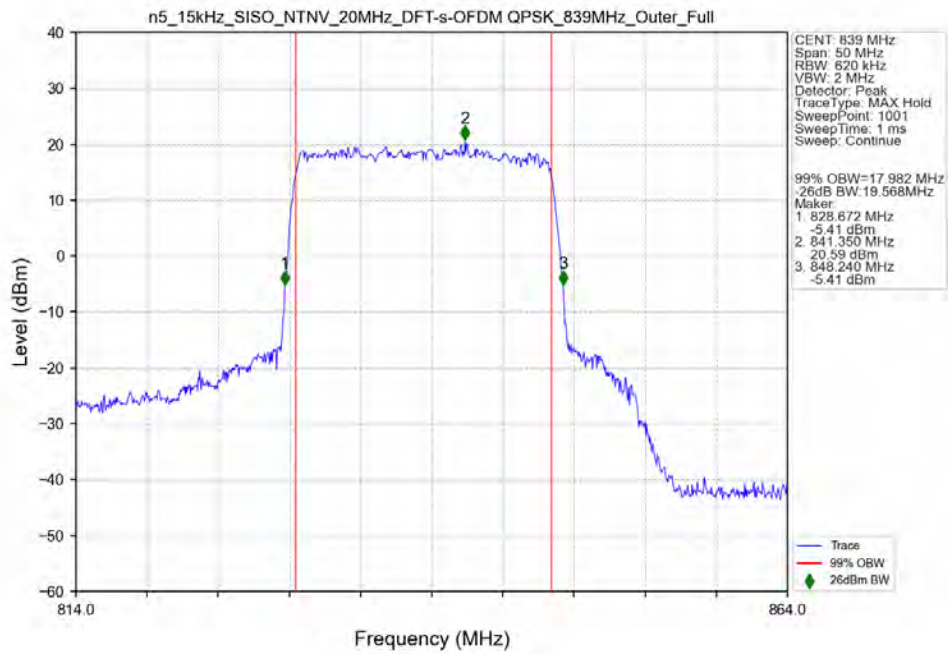
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK 834MHz_Outer_Full_Ant11



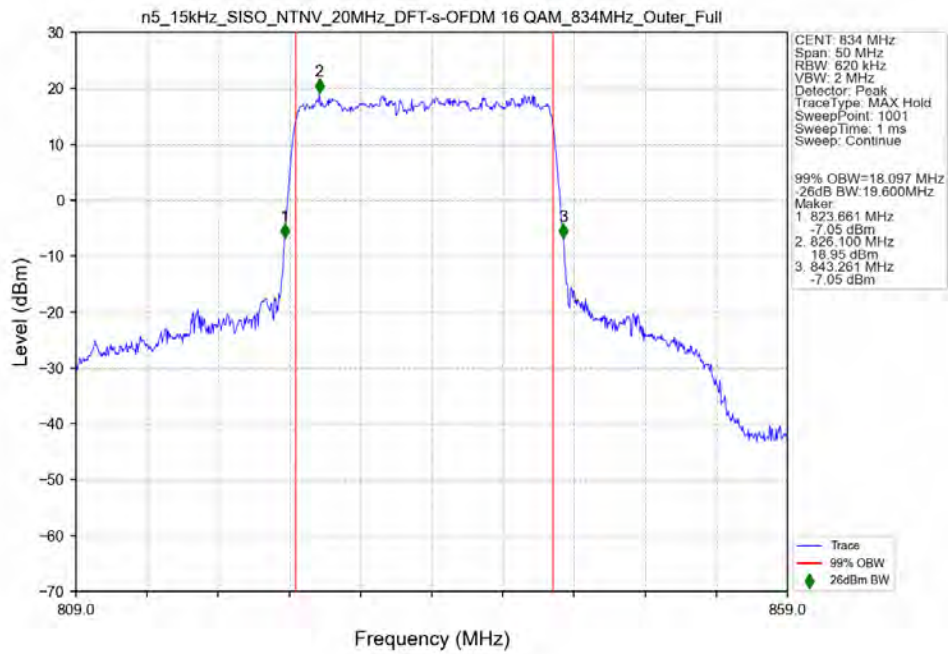
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



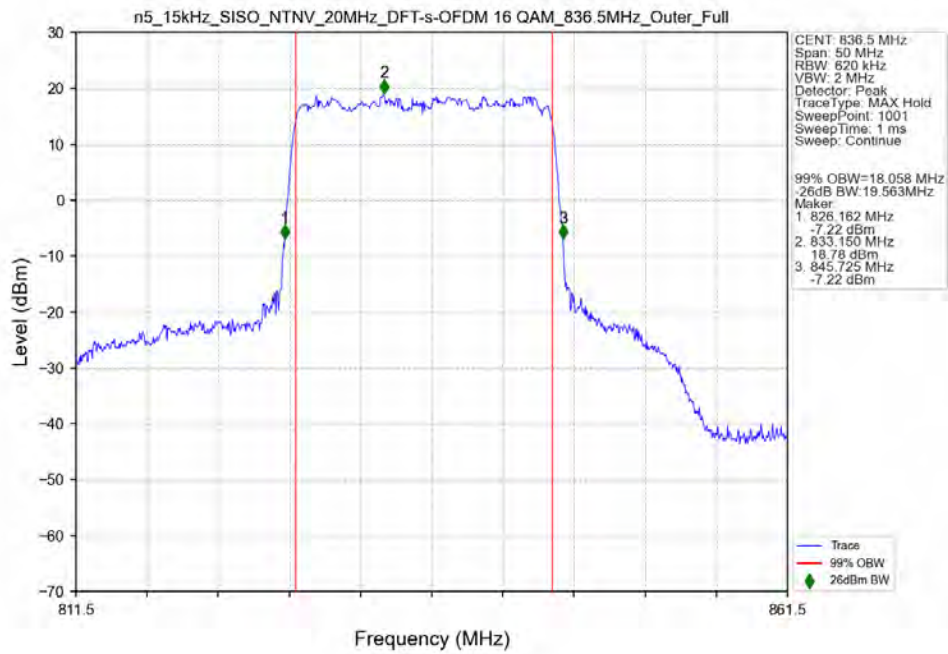
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_839MHz_Outer_Full_Ant11



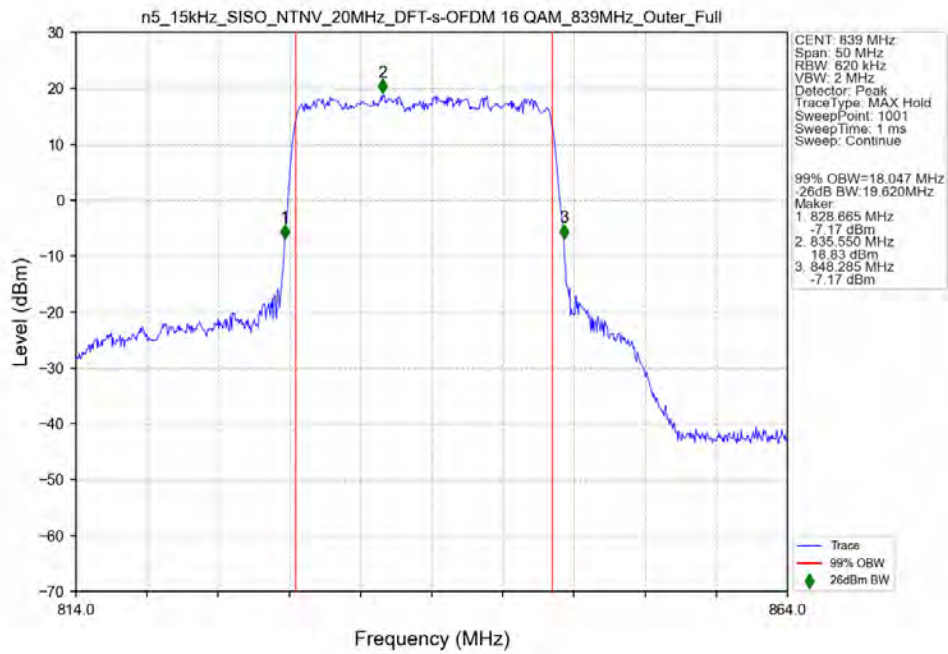
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_834MHz_Outer_Full_Ant11



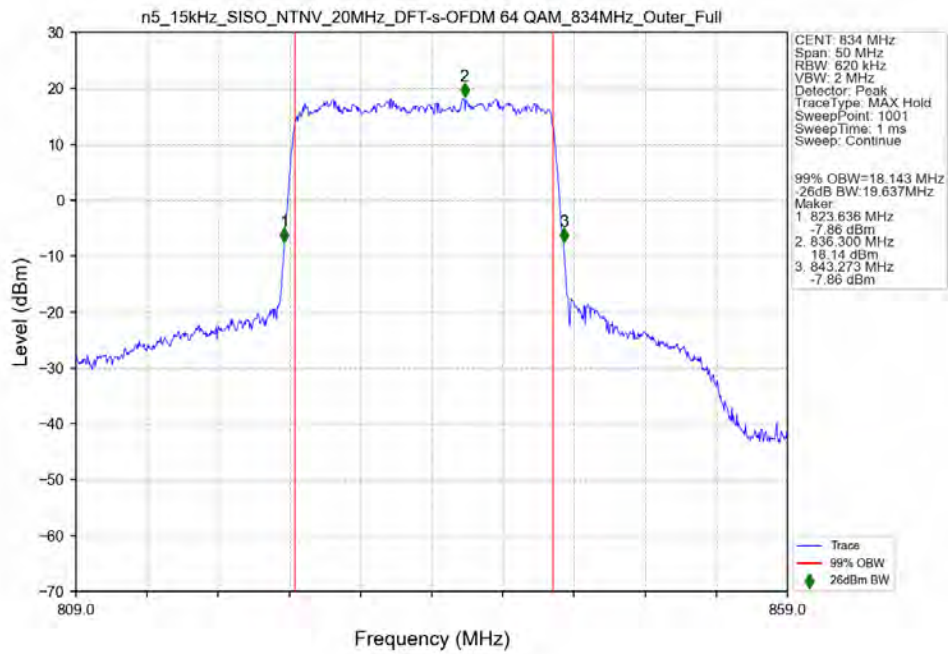
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



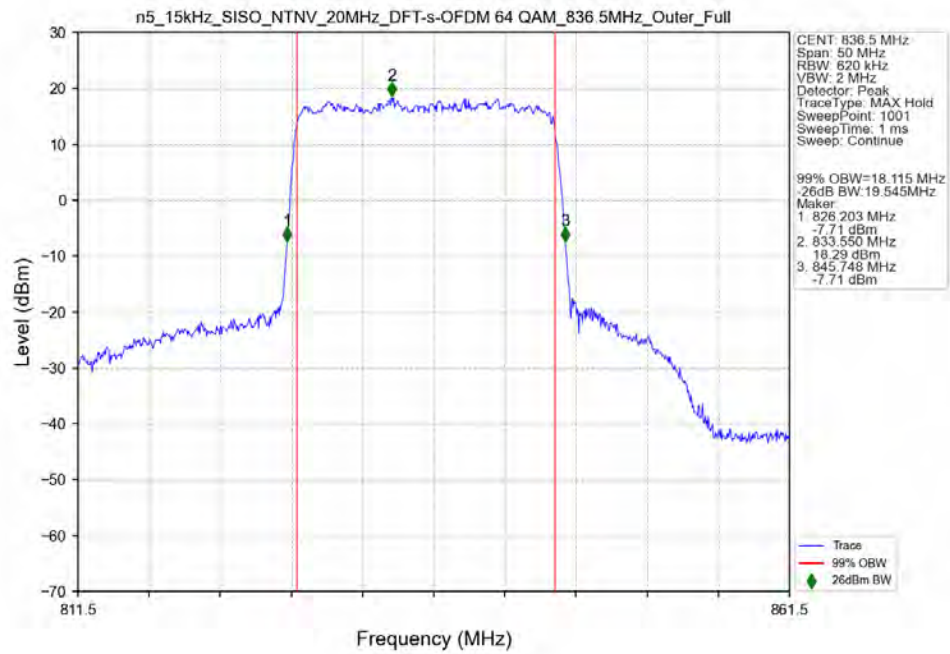
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16QAM_839MHz_Outer_Full_Ant11



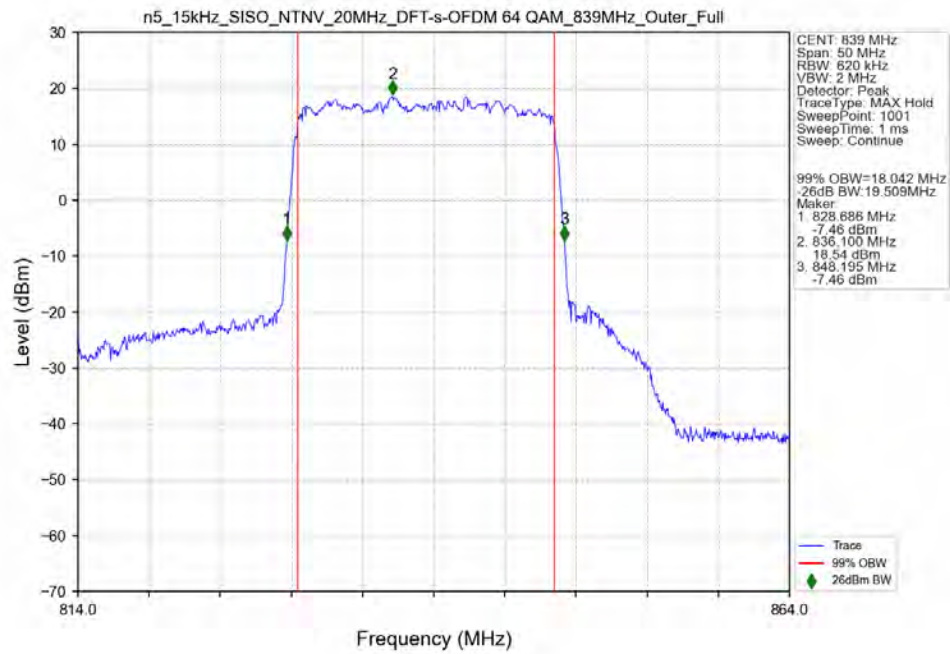
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64QAM_834MHz_Outer_Full_Ant11



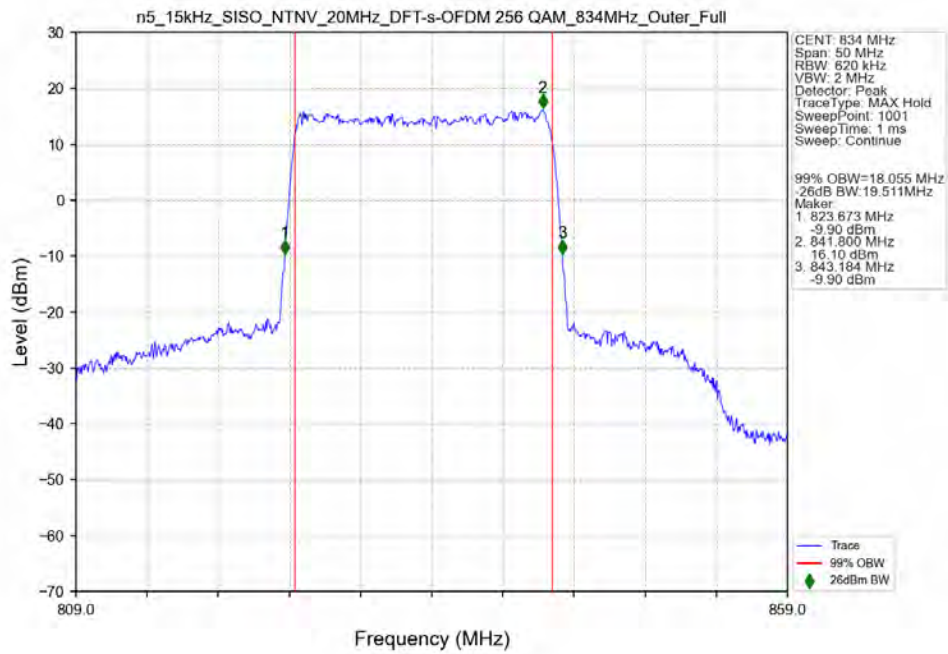
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant11



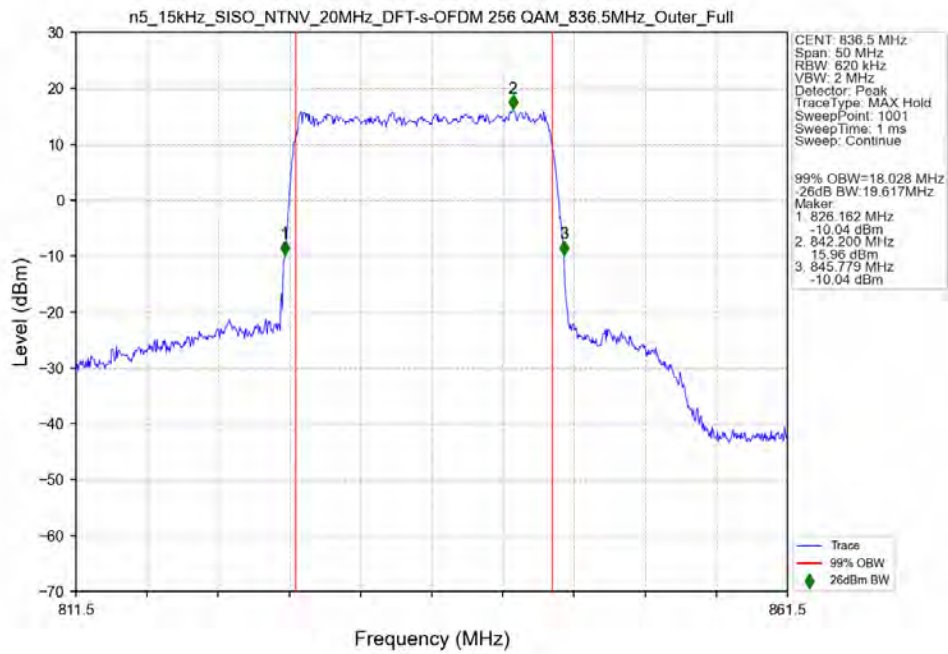
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_839MHz_Outer_Full_Ant11



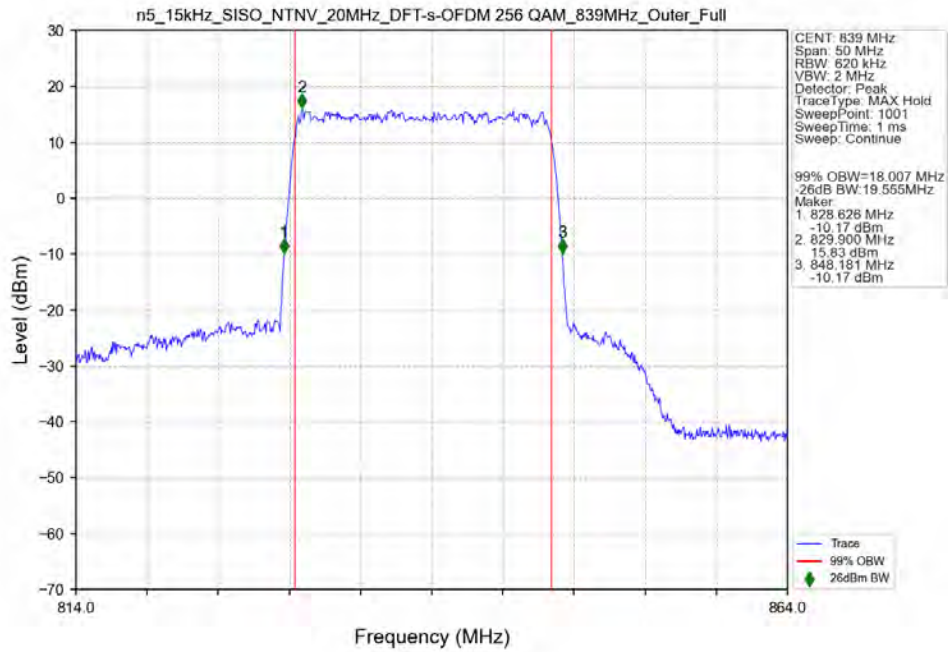
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_834MHz_Outer_Full_Ant11



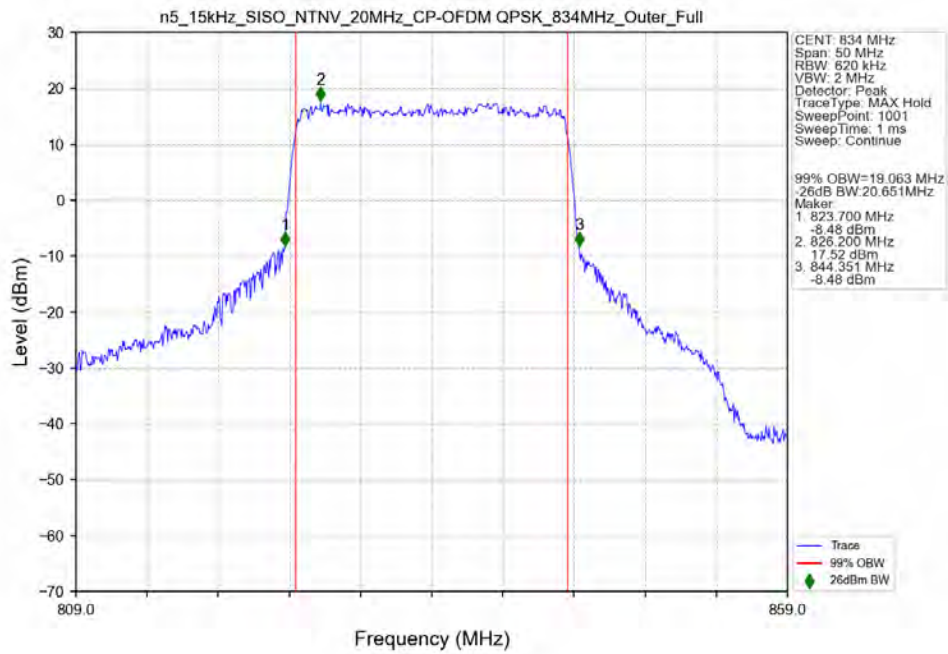
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



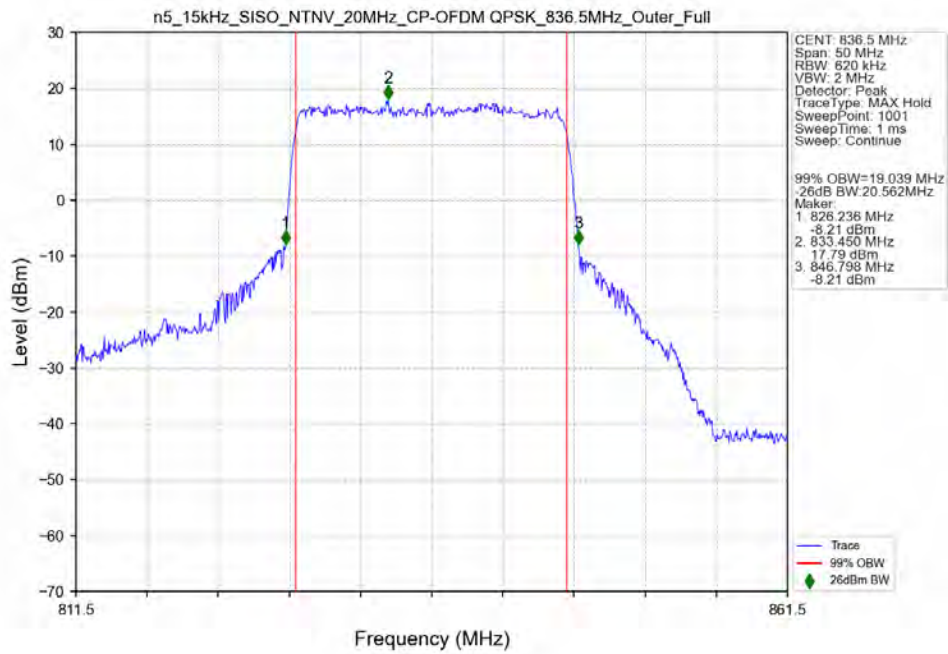
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_839MHz_Outer_Full_Ant11



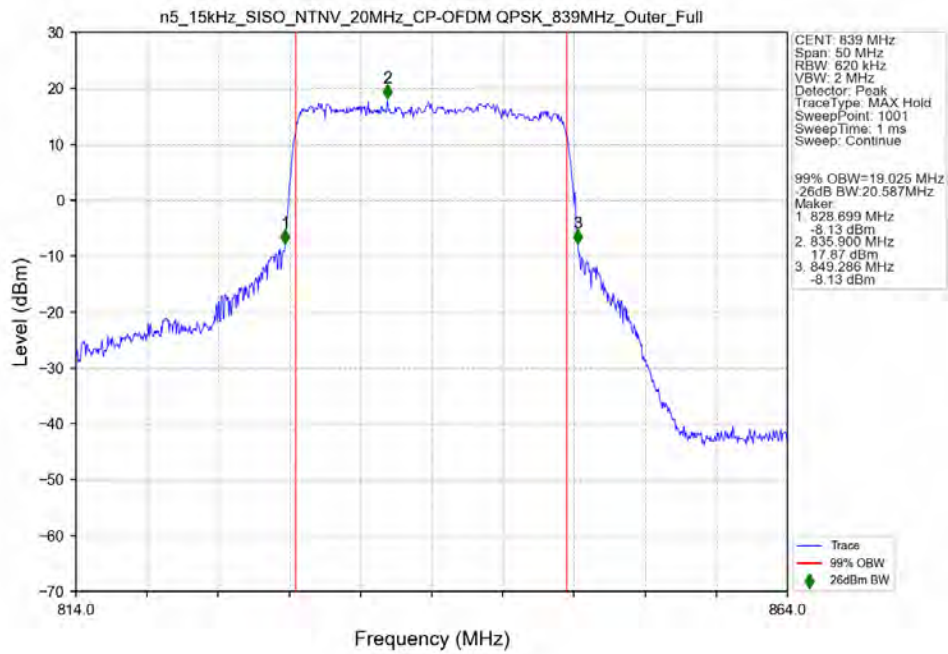
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_834MHz_Outer_Full_Ant11



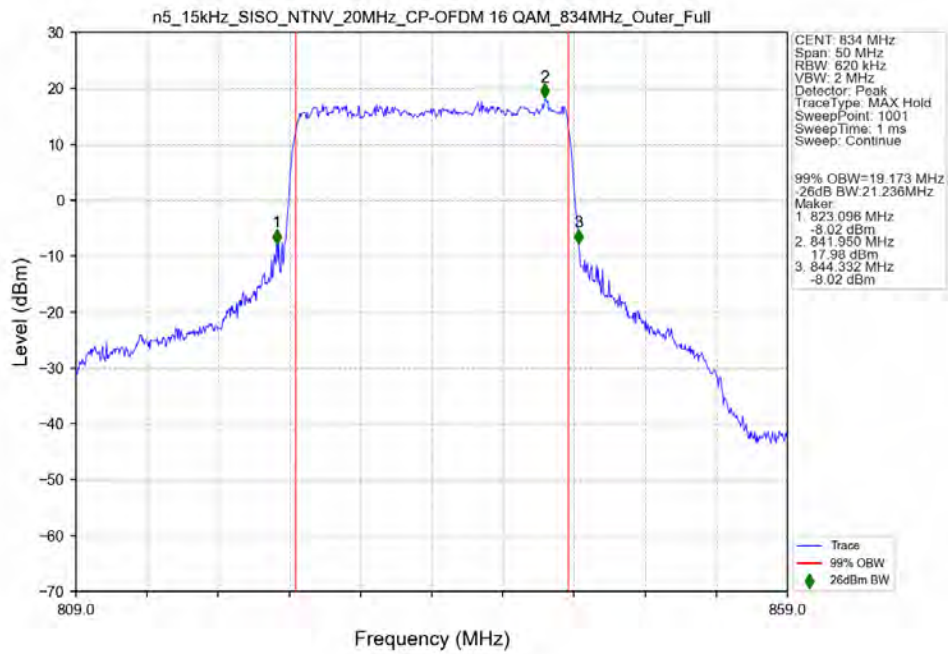
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



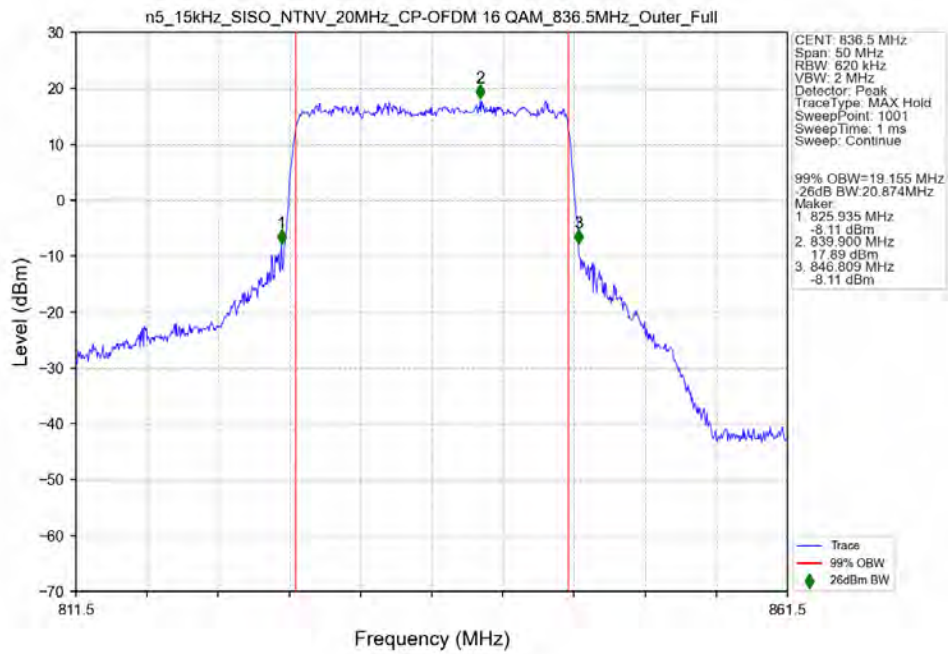
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_839MHz_Outer_Full_Ant11



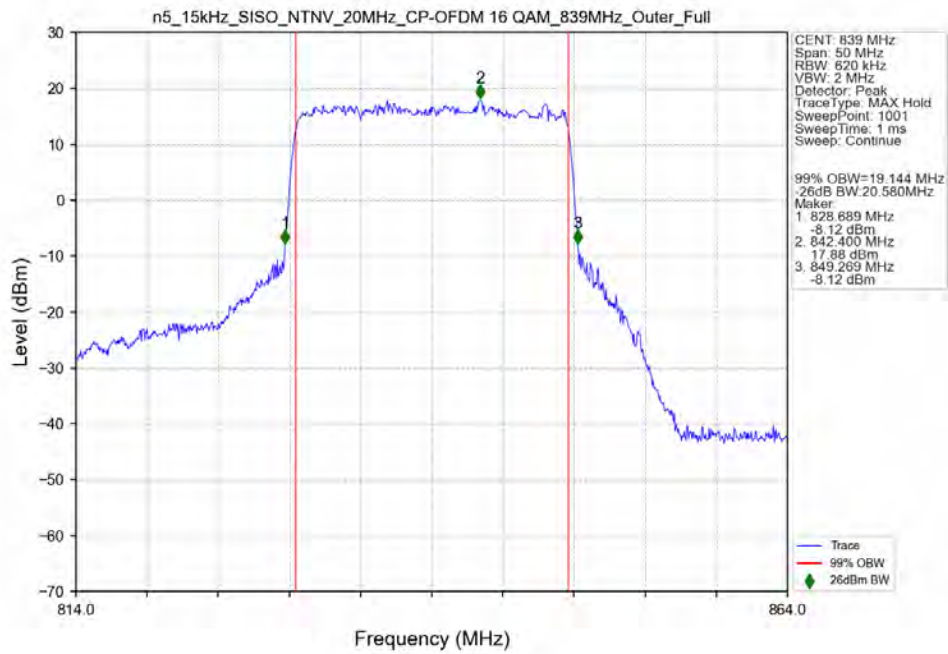
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_834MHz_Outer_Full_Ant11



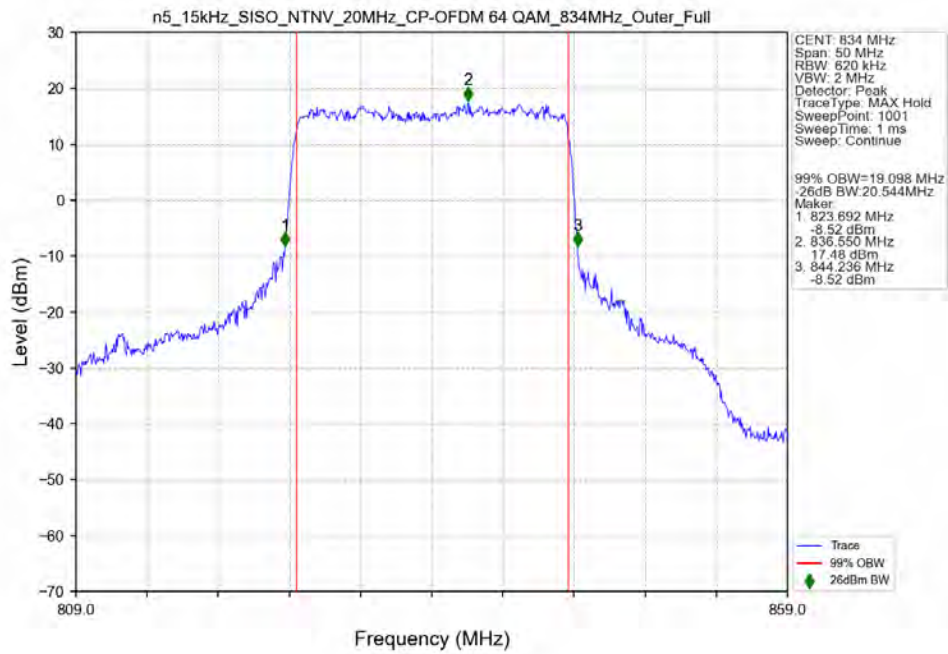
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



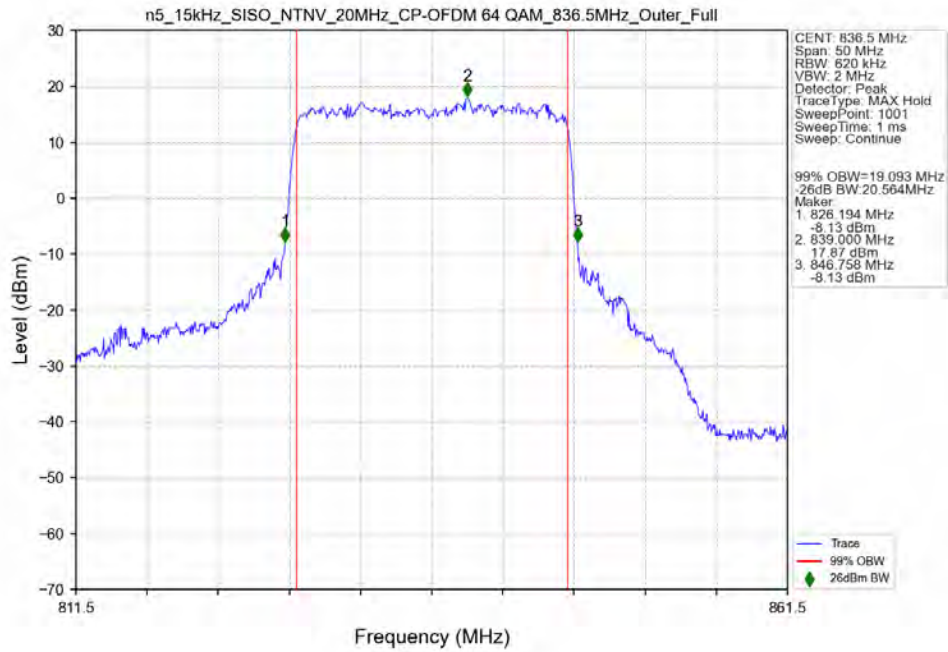
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 839MHz_Outer_Full_Ant11



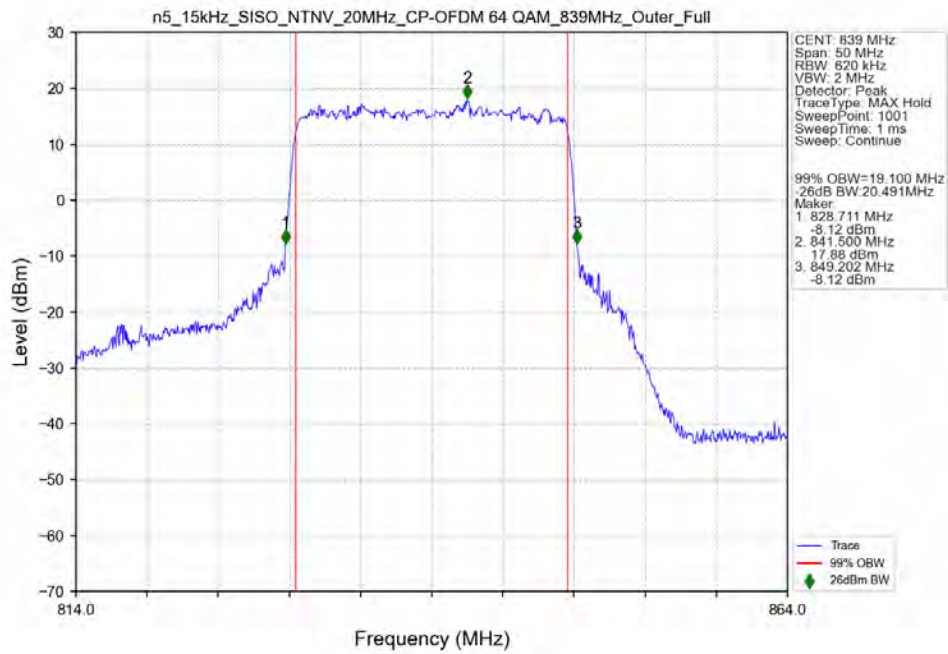
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 834MHz_Outer_Full_Ant11



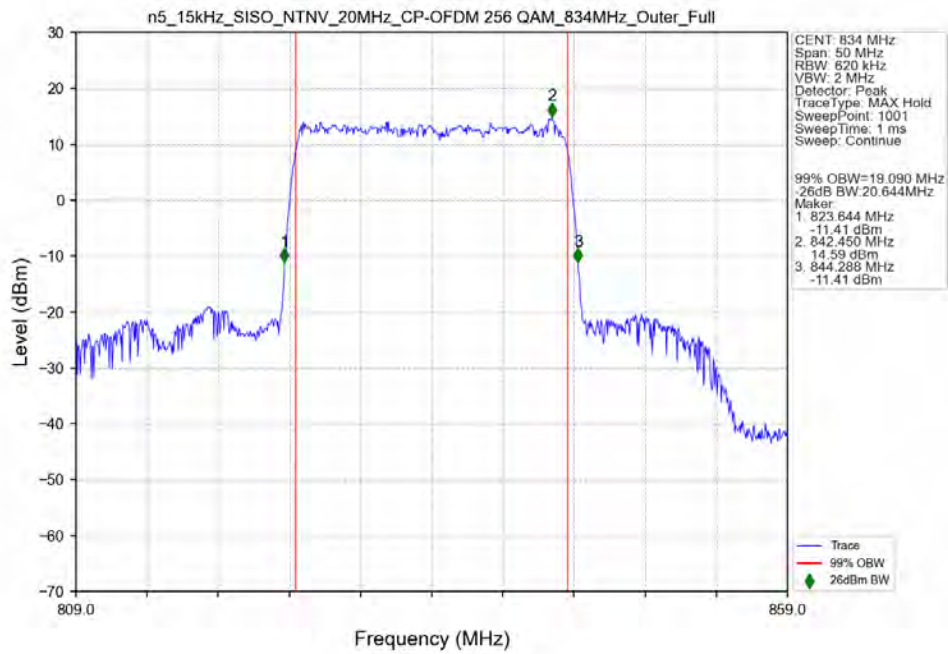
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 836.5MHz_Outer_Full_Ant11



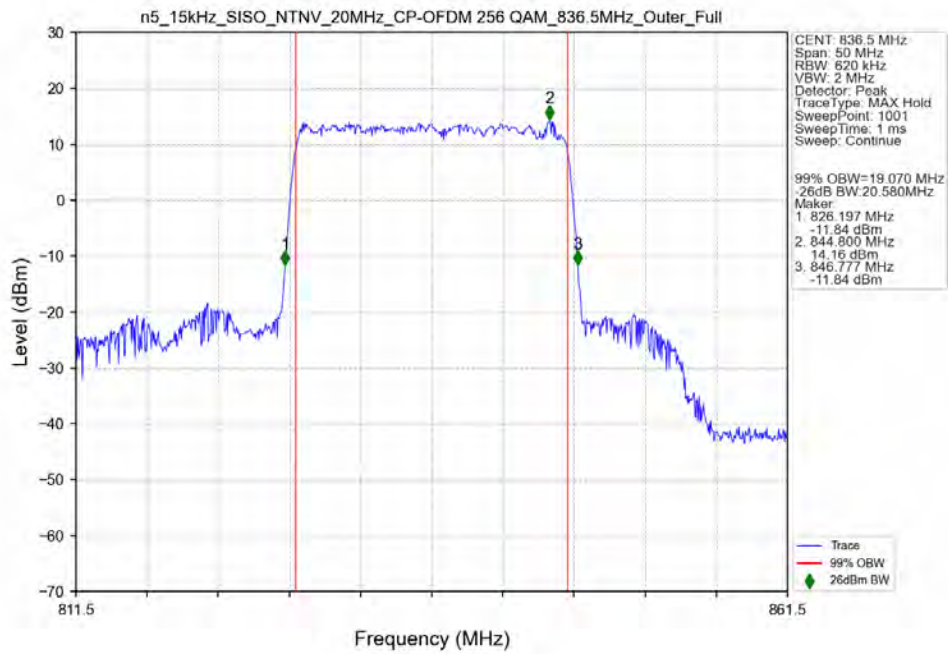
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 839MHz_Outer_Full_Ant11



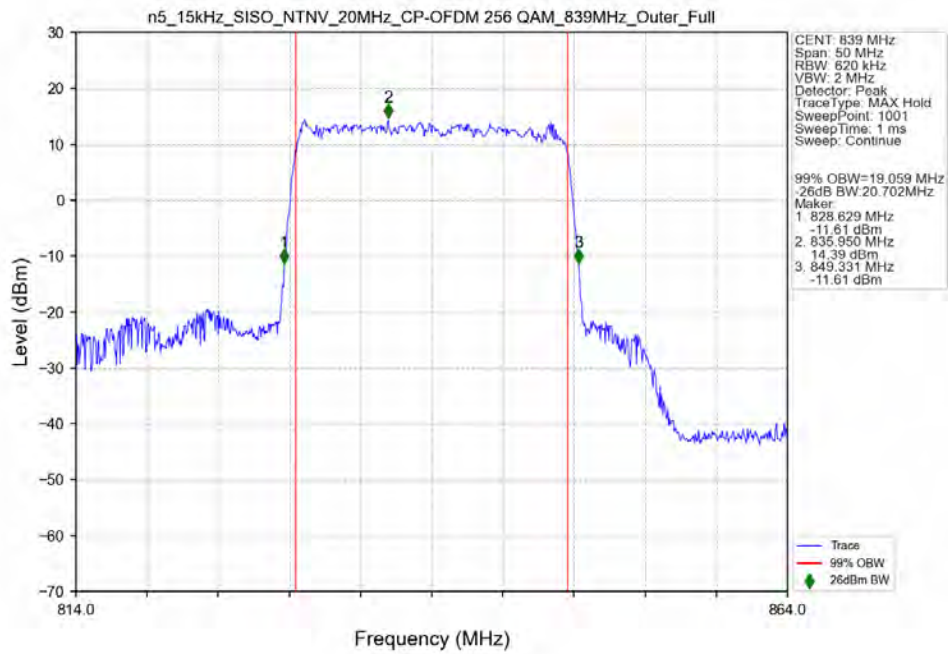
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_834MHz_Outer_Full_Ant11



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_839MHz_Outer_Full_Ant11



4. Peak-Average Ratio

4.1 Test Result

4.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	826.5	Outer_Full	3.51	/	/	<=13	Pass
	836.5	Outer_Full	3.64	/	/	<=13	Pass
	846.5	Outer_Full	3.86	/	/	<=13	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	4.43	/	/	<=13	Pass
	836.5	Outer_Full	4.55	/	/	<=13	Pass
	846.5	Outer_Full	4.53	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	5.19	/	/	<=13	Pass
	836.5	Outer_Full	5.28	/	/	<=13	Pass
	846.5	Outer_Full	5.51	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	5.50	/	/	<=13	Pass
	836.5	Outer_Full	5.59	/	/	<=13	Pass
	846.5	Outer_Full	5.81	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	6.72	/	/	<=13	Pass
	836.5	Outer_Full	6.86	/	/	<=13	Pass
	846.5	Outer_Full	7.01	/	/	<=13	Pass
CP-OFDM QPSK	826.5	Outer_Full	6.27	/	/	<=13	Pass
	836.5	Outer_Full	6.40	/	/	<=13	Pass
	846.5	Outer_Full	6.71	/	/	<=13	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	6.35	/	/	<=13	Pass
	836.5	Outer_Full	6.54	/	/	<=13	Pass
	846.5	Outer_Full	6.81	/	/	<=13	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	6.58	/	/	<=13	Pass
	836.5	Outer_Full	6.81	/	/	<=13	Pass
	846.5	Outer_Full	7.04	/	/	<=13	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	8.55	/	/	<=13	Pass
	836.5	Outer_Full	8.67	/	/	<=13	Pass
	846.5	Outer_Full	8.78	/	/	<=13	Pass

4.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	829	Outer_Full	4.10	/	/	<=13	Pass
	836.5	Outer_Full	3.98	/	/	<=13	Pass
	844	Outer_Full	4.07	/	/	<=13	Pass
DFT-s-OFDM QPSK	829	Outer_Full	4.70	/	/	<=13	Pass
	836.5	Outer_Full	4.63	/	/	<=13	Pass
	844	Outer_Full	4.94	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	5.76	/	/	<=13	Pass
	836.5	Outer_Full	5.67	/	/	<=13	Pass
	844	Outer_Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	6.18	/	/	<=13	Pass
	836.5	Outer_Full	6.03	/	/	<=13	Pass
	844	Outer_Full	5.99	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	829	Outer_Full	7.05	/	/	<=13	Pass
	836.5	Outer_Full	7.00	/	/	<=13	Pass
	844	Outer_Full	6.99	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer_Full	7.11	/	/	<=13	Pass
	836.5	Outer_Full	6.94	/	/	<=13	Pass
	844	Outer_Full	6.92	/	/	<=13	Pass
CP-OFDM 16 QAM	829	Outer_Full	6.63	/	/	<=13	Pass
	836.5	Outer_Full	6.84	/	/	<=13	Pass
	844	Outer_Full	6.76	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer_Full	7.08	/	/	<=13	Pass
	836.5	Outer_Full	7.27	/	/	<=13	Pass
	844	Outer_Full	7.26	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer_Full	8.62	/	/	<=13	Pass
	836.5	Outer_Full	8.60	/	/	<=13	Pass
	844	Outer_Full	8.58	/	/	<=13	Pass

4.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	831.5	Outer_Full	3.79	/	/	<=13	Pass
	836.5	Outer_Full	3.92	/	/	<=13	Pass
	841.5	Outer_Full	3.89	/	/	<=13	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	4.59	/	/	<=13	Pass
	836.5	Outer_Full	4.70	/	/	<=13	Pass
	841.5	Outer_Full	4.72	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	5.48	/	/	<=13	Pass
	836.5	Outer_Full	5.40	/	/	<=13	Pass
	841.5	Outer_Full	5.55	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	5.70	/	/	<=13	Pass
	836.5	Outer_Full	5.83	/	/	<=13	Pass
	841.5	Outer_Full	5.91	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	6.85	/	/	<=13	Pass
	836.5	Outer_Full	6.85	/	/	<=13	Pass
	841.5	Outer_Full	6.81	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer_Full	6.52	/	/	<=13	Pass
	836.5	Outer_Full	6.51	/	/	<=13	Pass
	841.5	Outer_Full	6.58	/	/	<=13	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	6.47	/	/	<=13	Pass
	836.5	Outer_Full	6.54	/	/	<=13	Pass
	841.5	Outer_Full	6.71	/	/	<=13	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	6.95	/	/	<=13	Pass
	836.5	Outer_Full	6.99	/	/	<=13	Pass
	841.5	Outer_Full	6.96	/	/	<=13	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	8.76	/	/	<=13	Pass
	836.5	Outer_Full	8.77	/	/	<=13	Pass
	841.5	Outer_Full	8.77	/	/	<=13	Pass

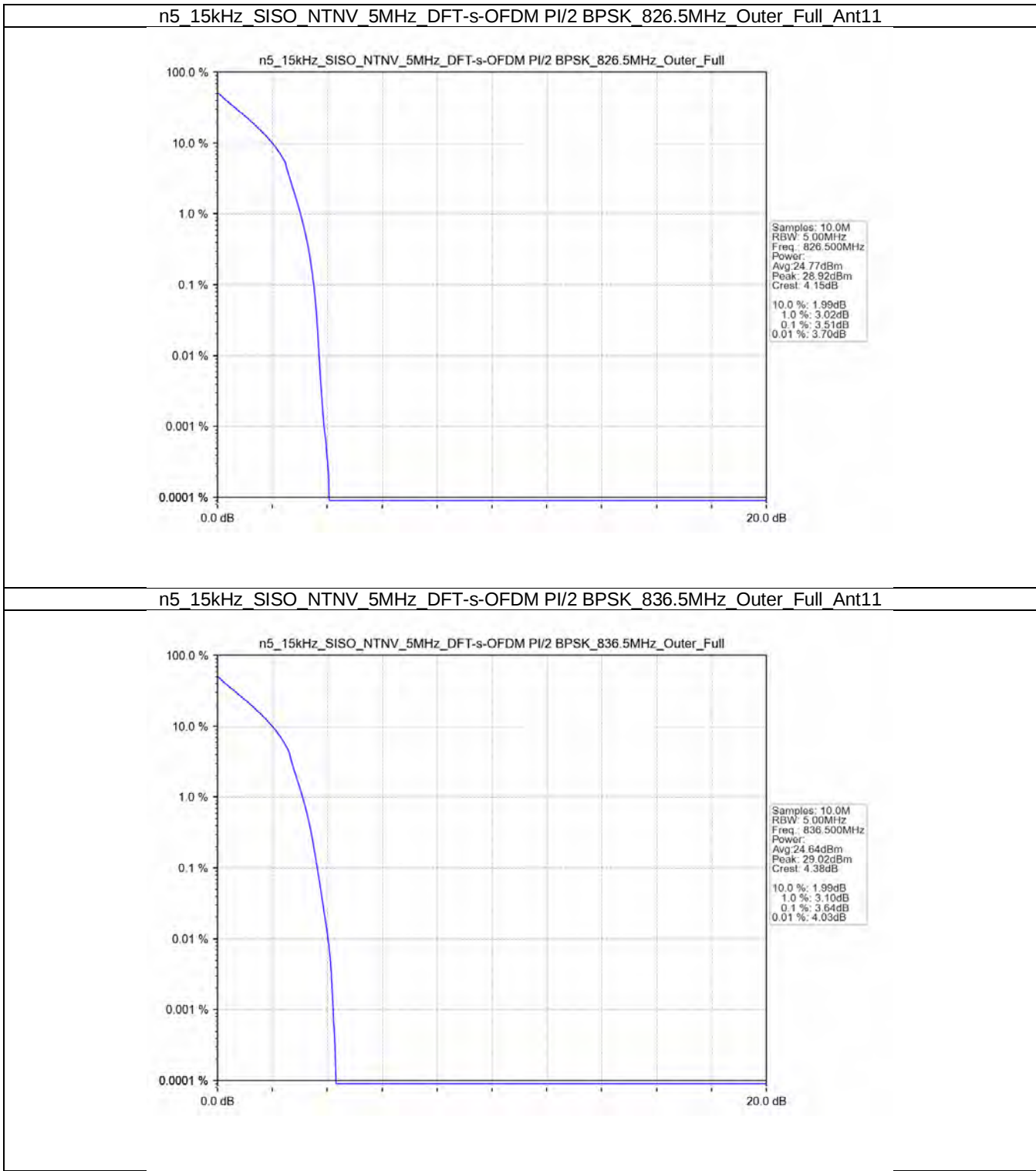
4.1.4 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	3.93	/	/	<=13	Pass
	836.5	Outer_Full	3.87	/	/	<=13	Pass

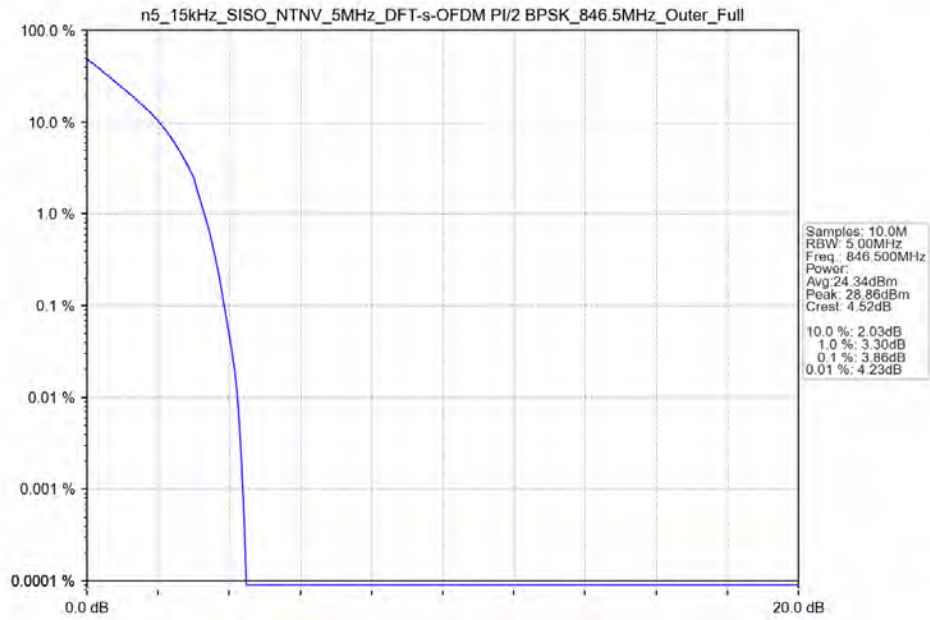
	839	Outer_Full	3.87	/	/	<=13	Pass
DFT-s-OFDM QPSK	834	Outer_Full	4.62	/	/	<=13	Pass
	836.5	Outer_Full	4.58	/	/	<=13	Pass
	839	Outer_Full	4.58	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	5.46	/	/	<=13	Pass
	836.5	Outer_Full	5.45	/	/	<=13	Pass
	839	Outer_Full	5.43	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	5.80	/	/	<=13	Pass
	836.5	Outer_Full	5.86	/	/	<=13	Pass
	839	Outer_Full	5.86	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	6.83	/	/	<=13	Pass
	836.5	Outer_Full	6.81	/	/	<=13	Pass
	839	Outer_Full	6.78	/	/	<=13	Pass
CP-OFDM QPSK	834	Outer_Full	6.54	/	/	<=13	Pass
	836.5	Outer_Full	6.65	/	/	<=13	Pass
	839	Outer_Full	6.48	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer_Full	6.69	/	/	<=13	Pass
	836.5	Outer_Full	6.64	/	/	<=13	Pass
	839	Outer_Full	6.73	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer_Full	6.82	/	/	<=13	Pass
	836.5	Outer_Full	7.02	/	/	<=13	Pass
	839	Outer_Full	7.07	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer_Full	8.73	/	/	<=13	Pass
	836.5	Outer_Full	8.74	/	/	<=13	Pass
	839	Outer_Full	8.73	/	/	<=13	Pass

4.2 Test Graph

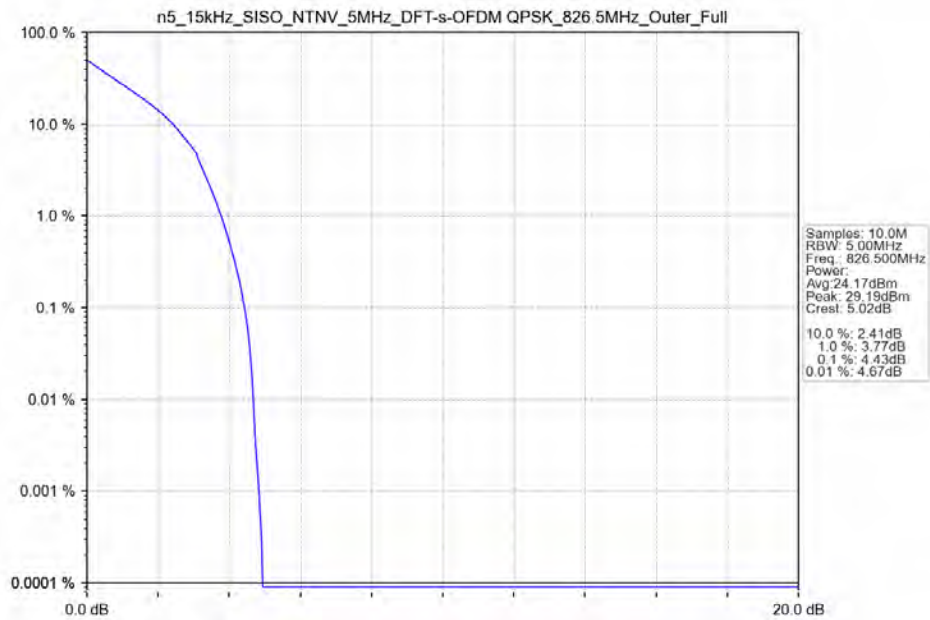
4.2.1 15k_SISO_5MHz_NTNV



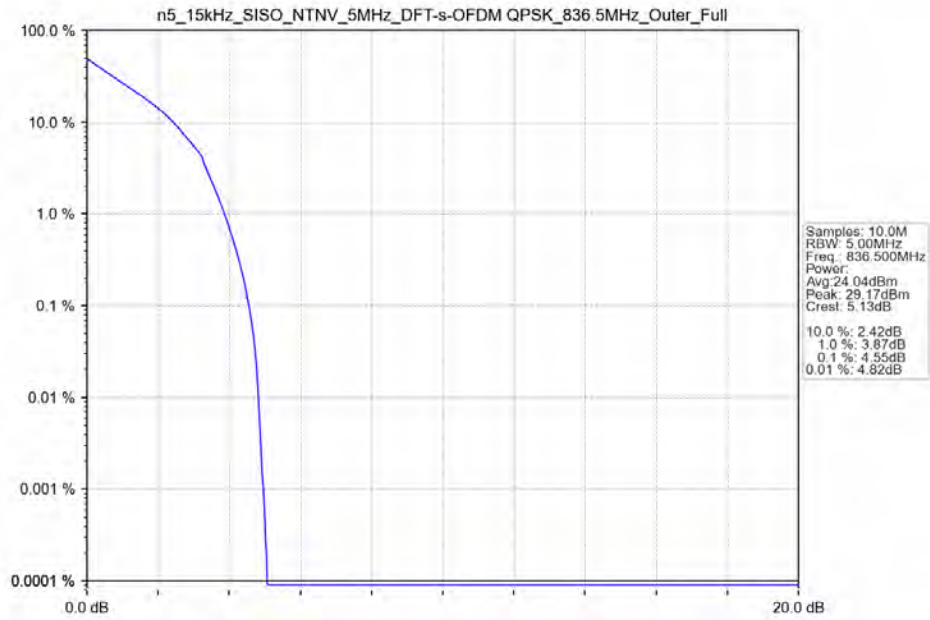
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_846.5MHz_Outer_Full_Ant11



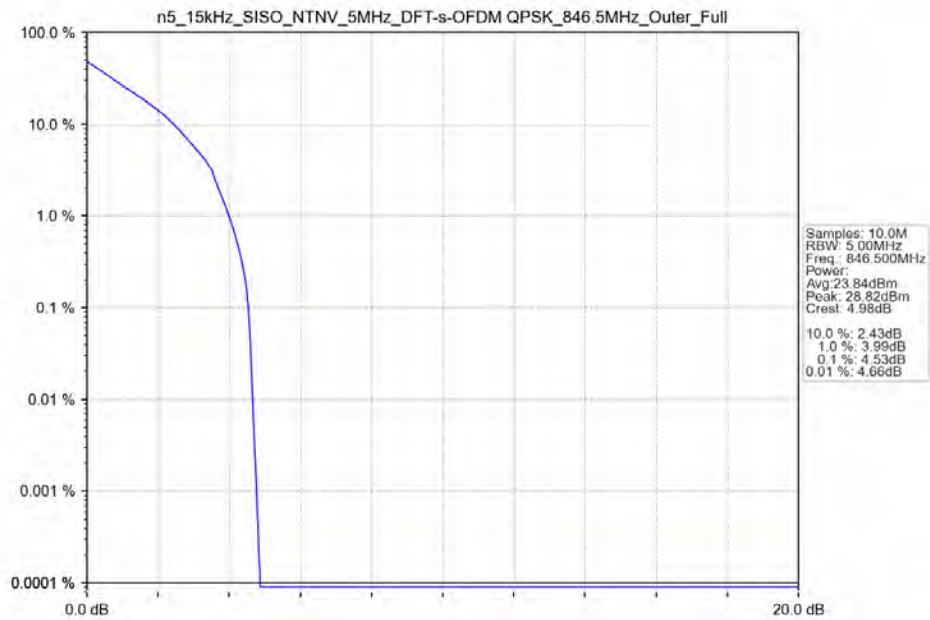
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_826.5MHz_Outer_Full_Ant11



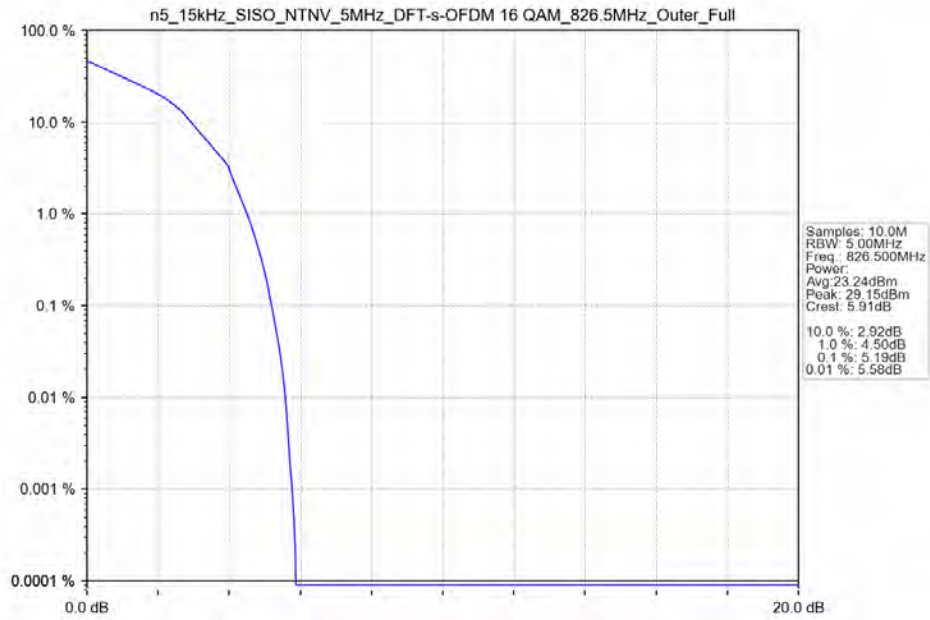
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



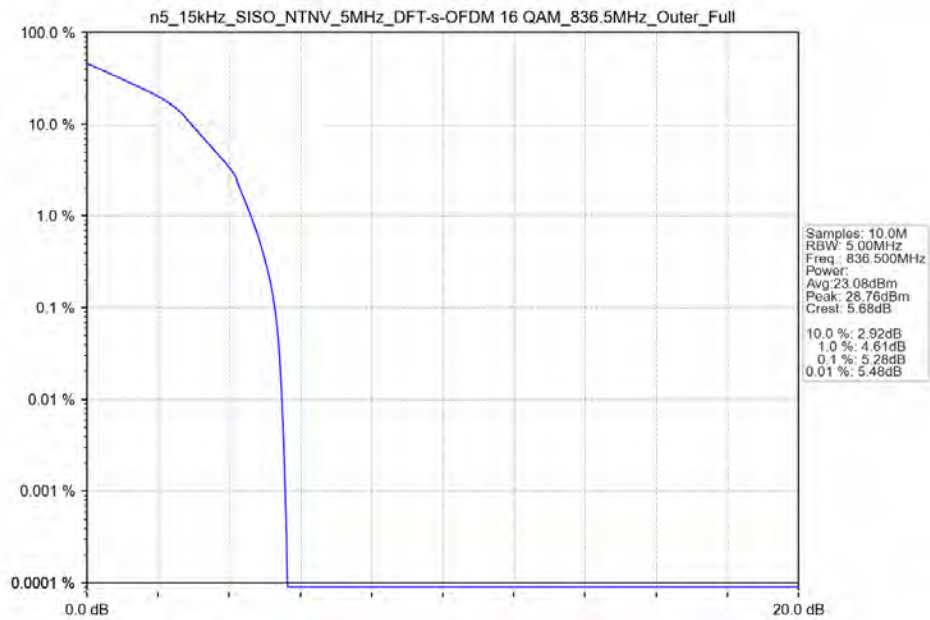
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_846.5MHz_Outer_Full_Ant11



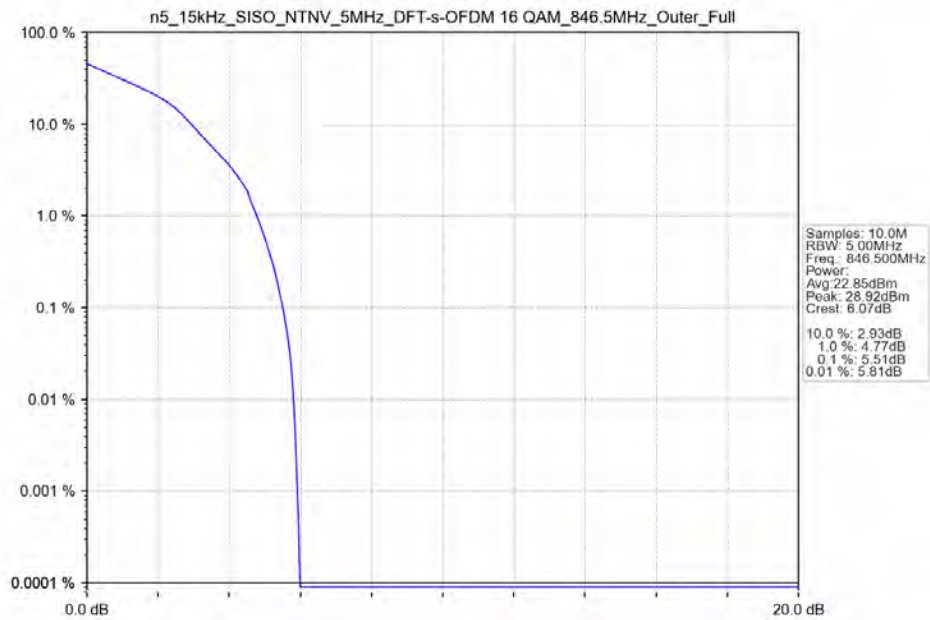
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_826.5MHz_Outer_Full_Ant11



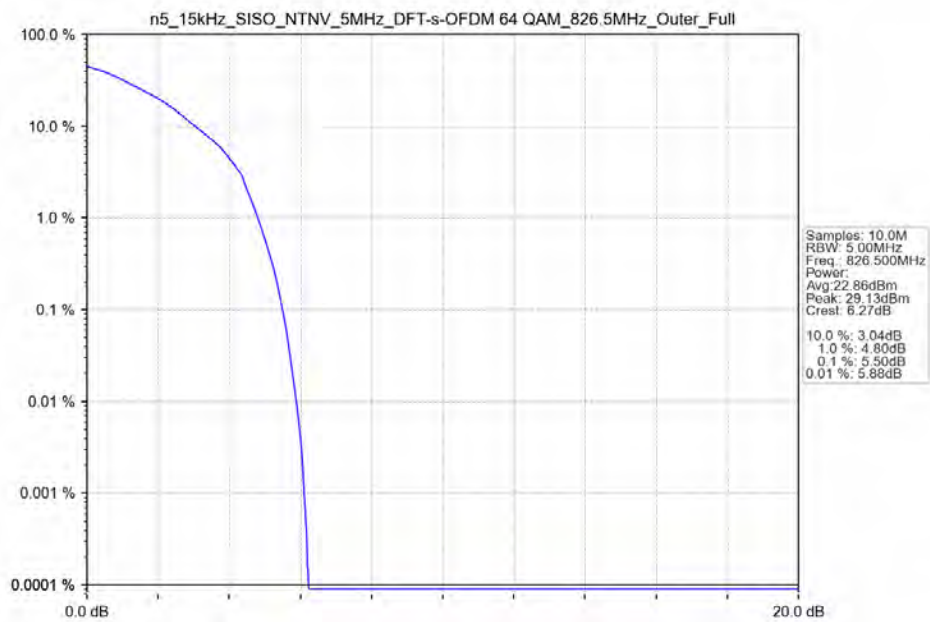
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



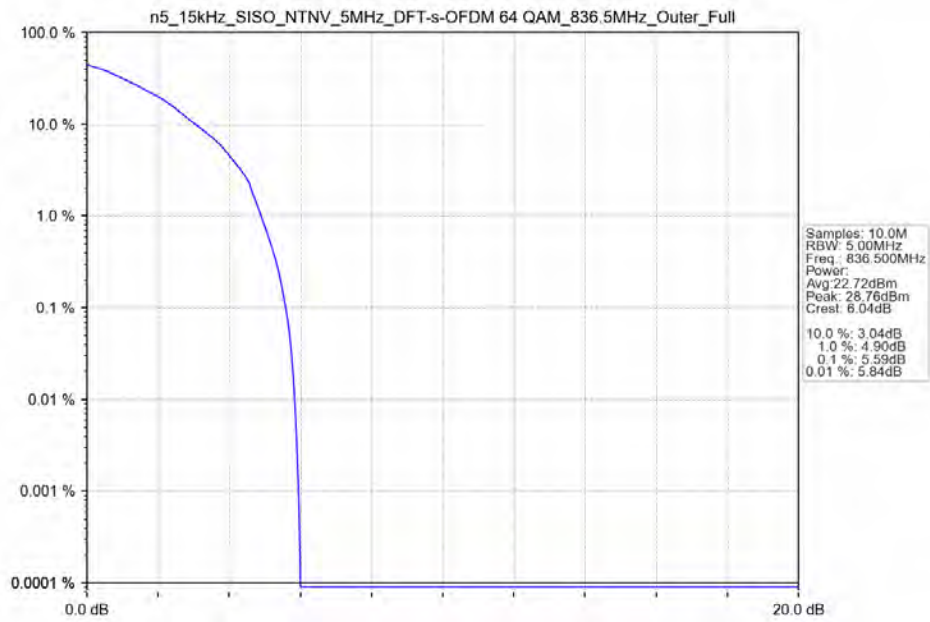
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_846.5MHz_Outer_Full_Ant11



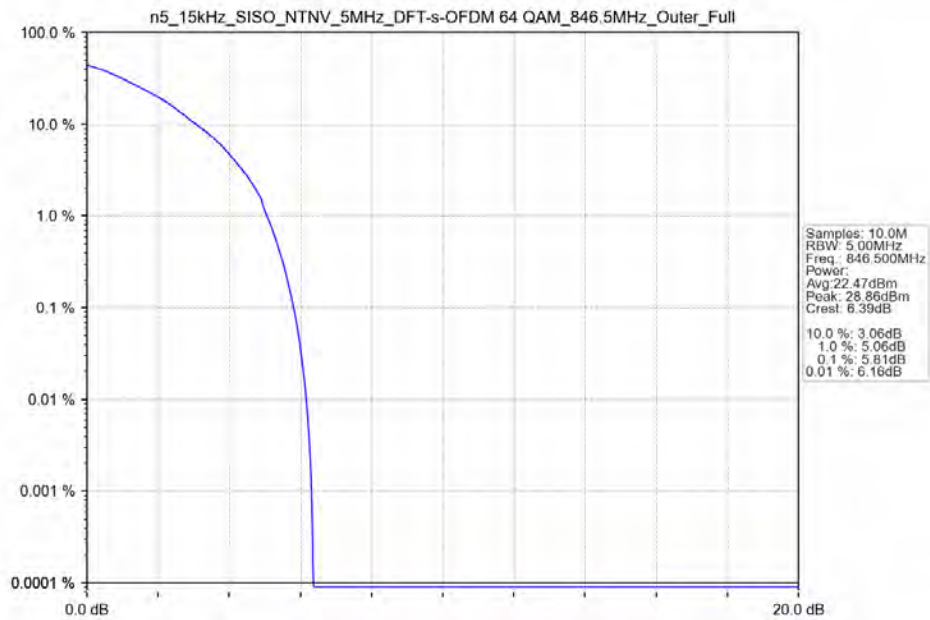
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_826.5MHz_Outer_Full_Ant11



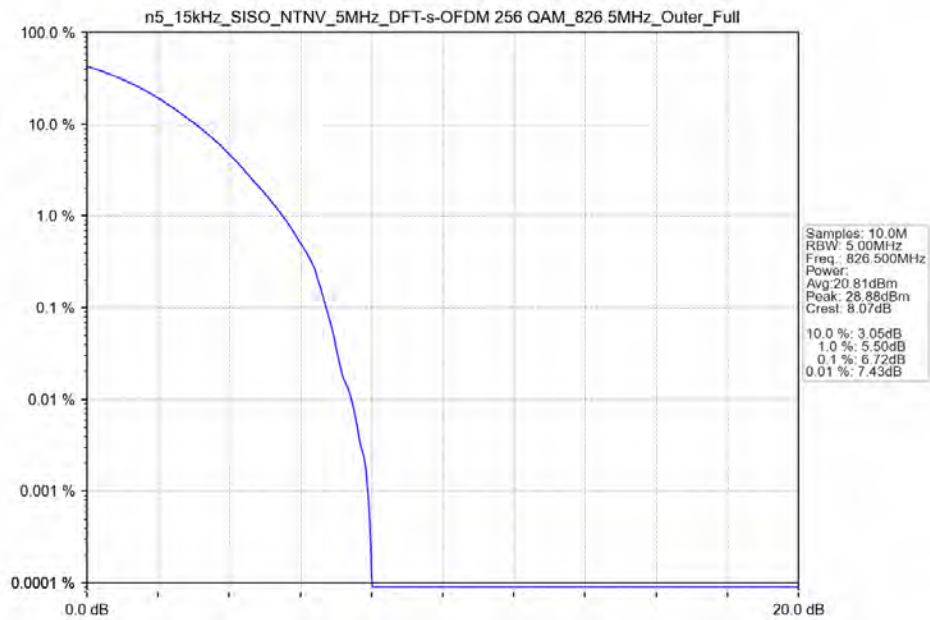
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant11



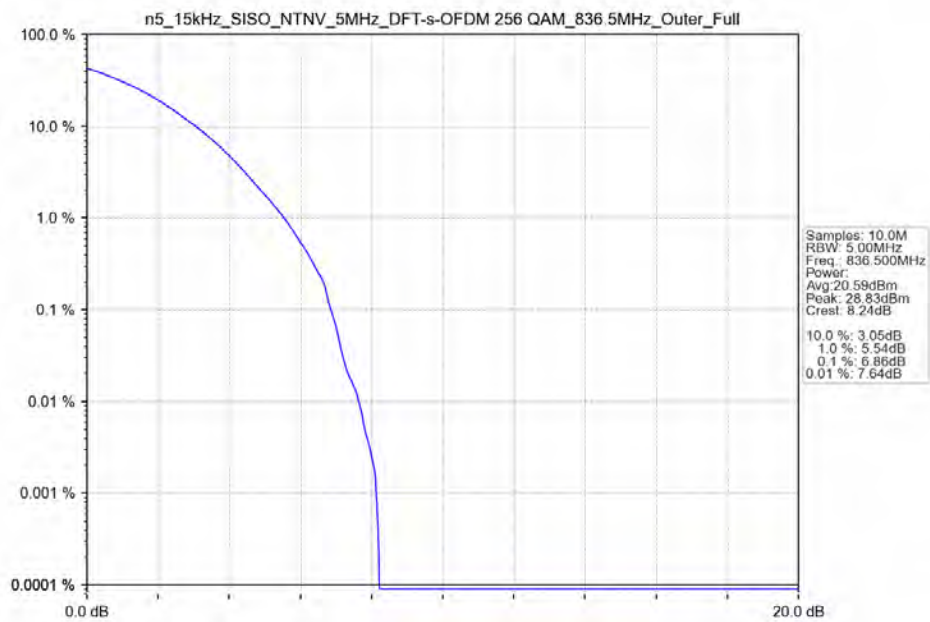
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_846.5MHz_Outer_Full_Ant11



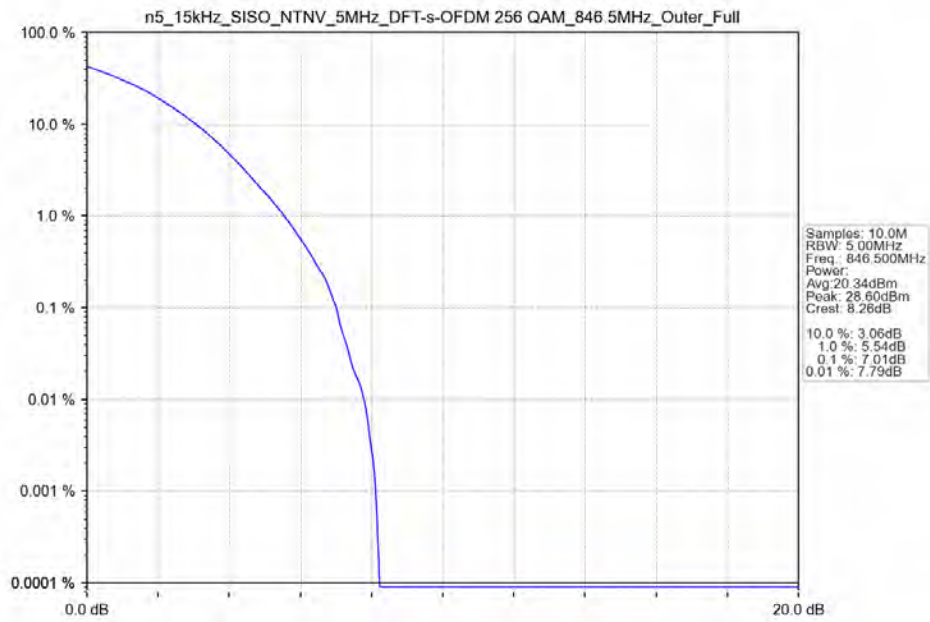
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_826.5MHz_Outer_Full_Ant11



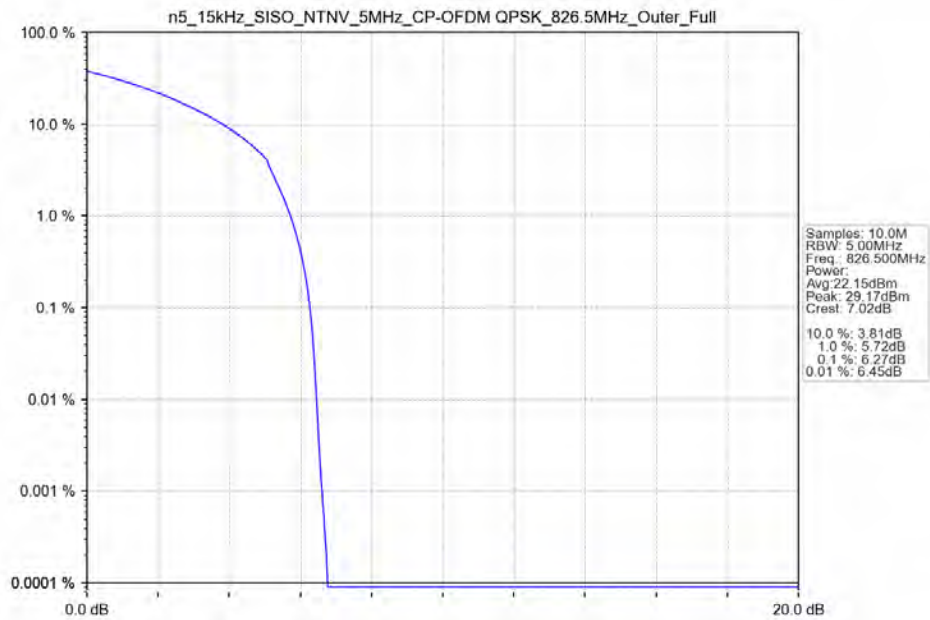
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



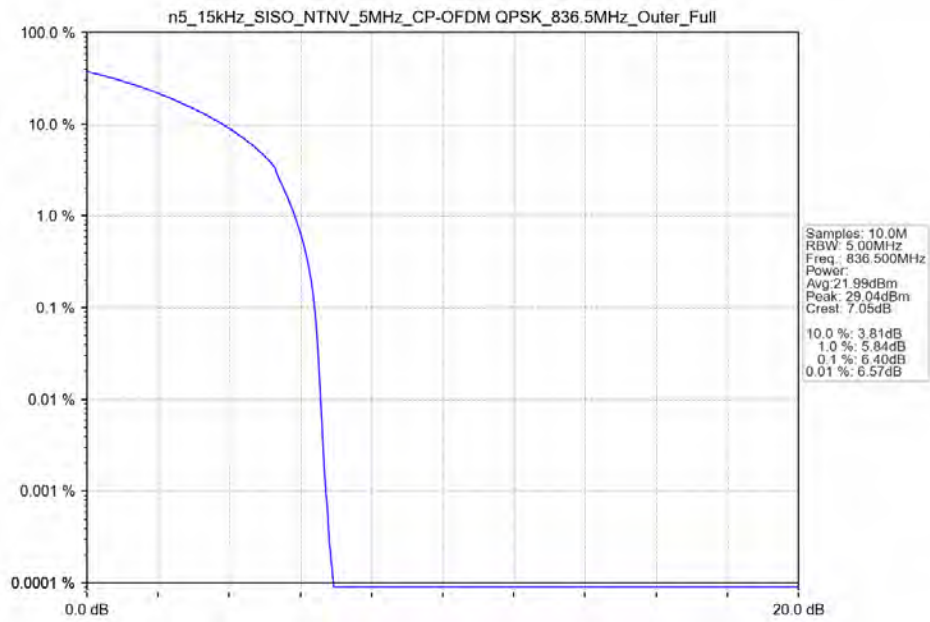
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_846.5MHz_Outer_Full_Ant11



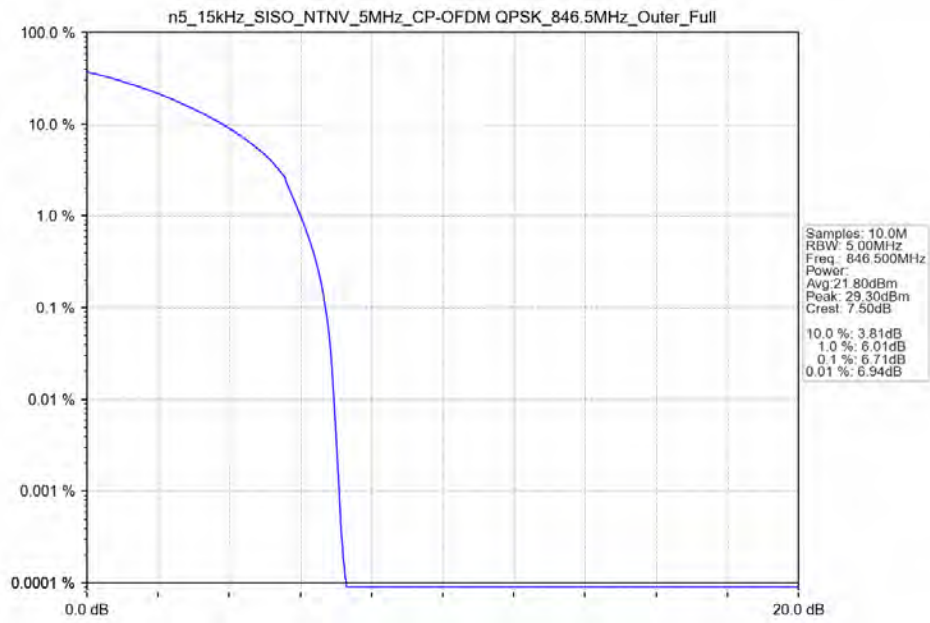
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_826.5MHz_Outer_Full_Ant11



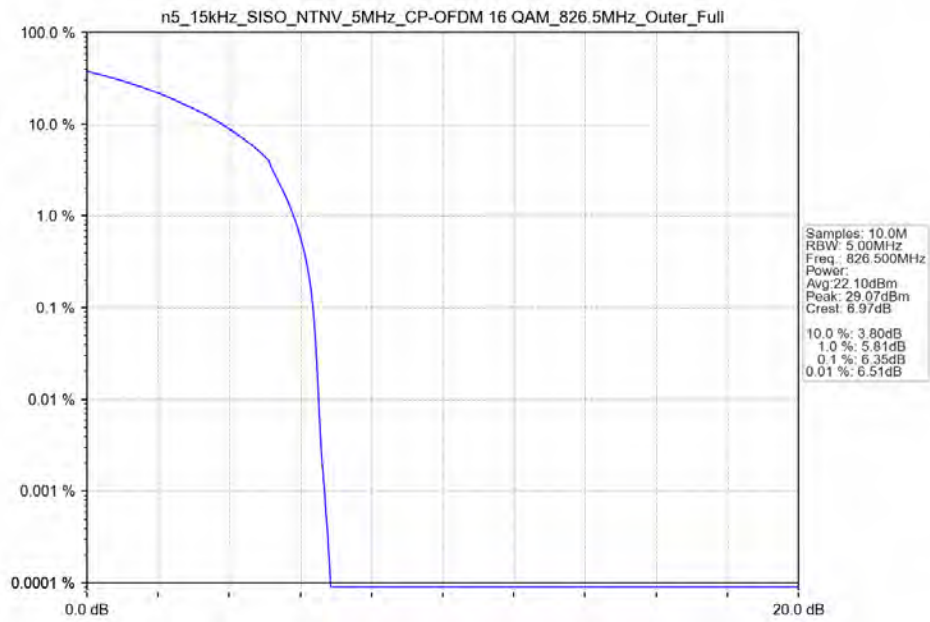
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



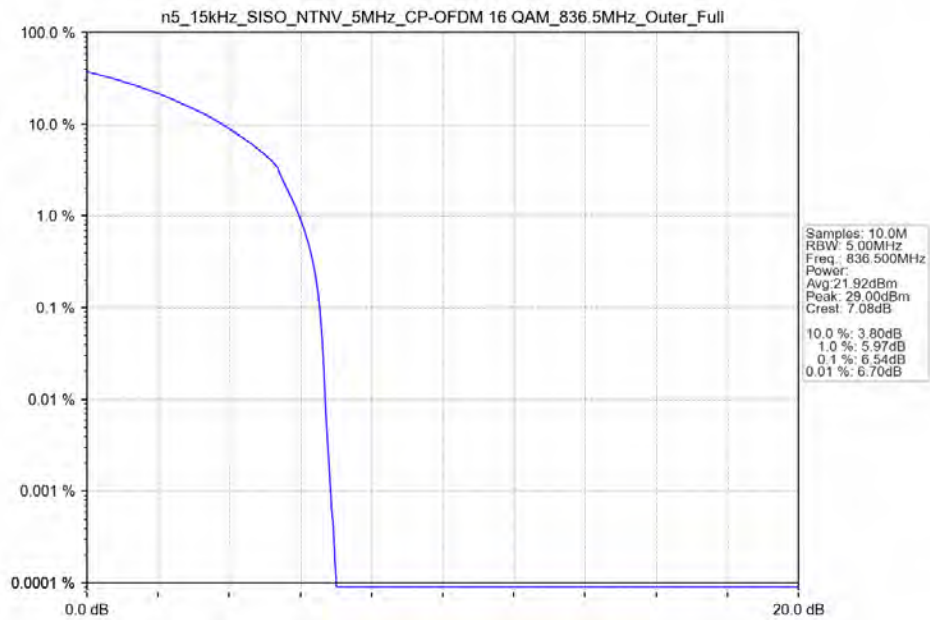
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_846.5MHz_Outer_Full_Ant11



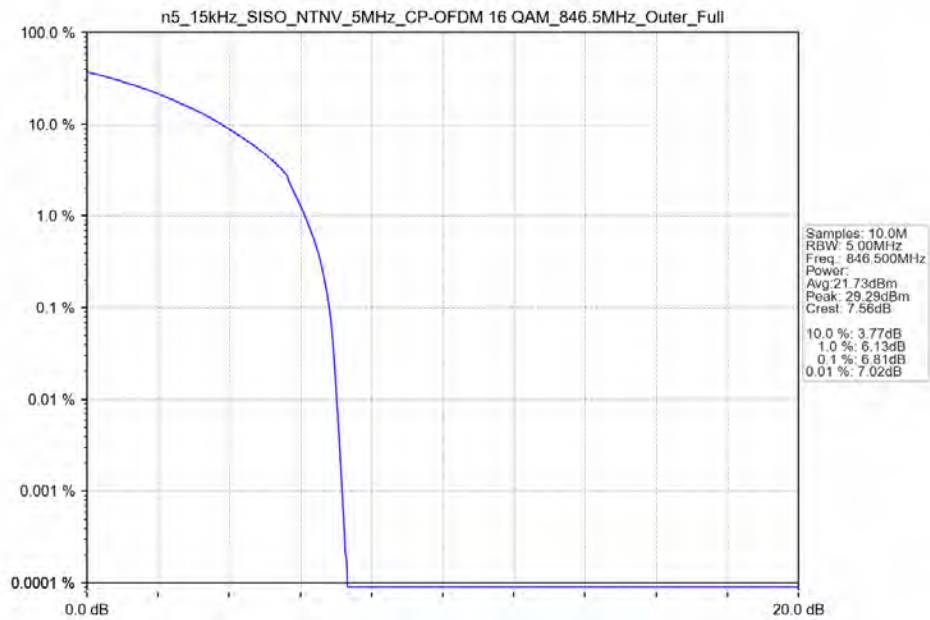
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 826.5MHz_Outer_Full_Ant11



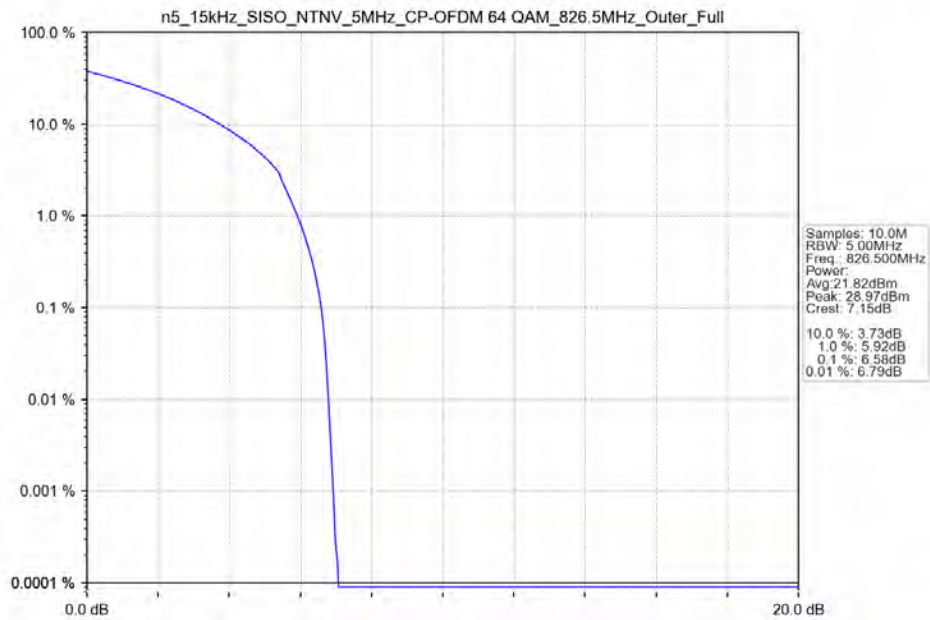
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 836.5MHz_Outer_Full_Ant11



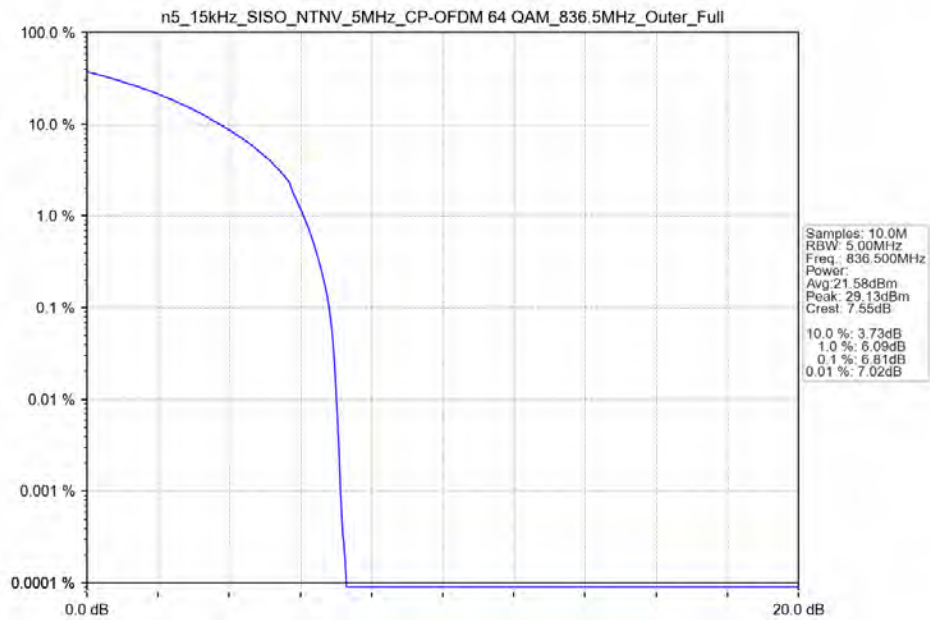
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 846.5MHz_Outer_Full_Ant11



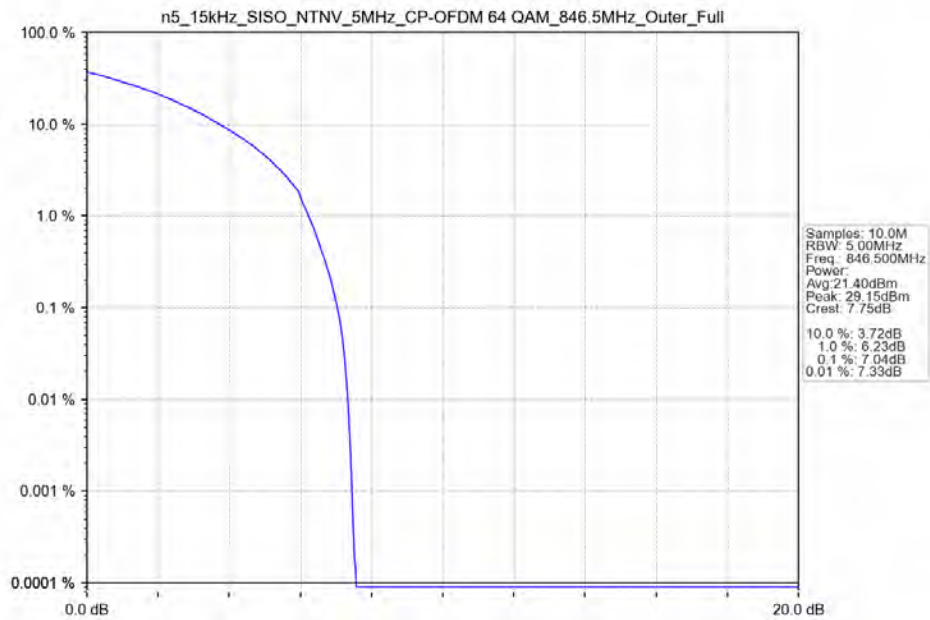
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 826.5MHz_Outer_Full_Ant11



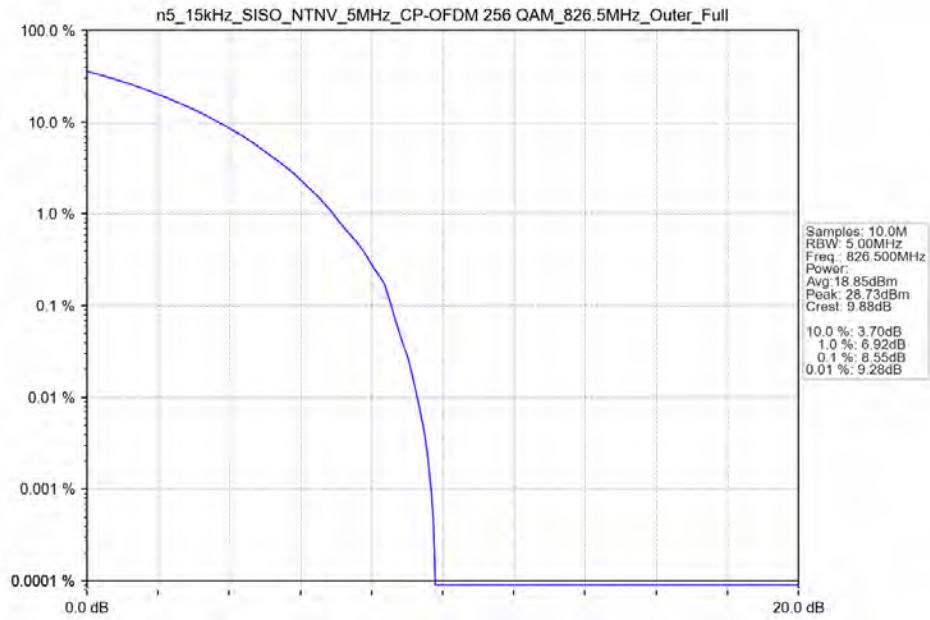
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 836.5MHz_Outer_Full_Ant11



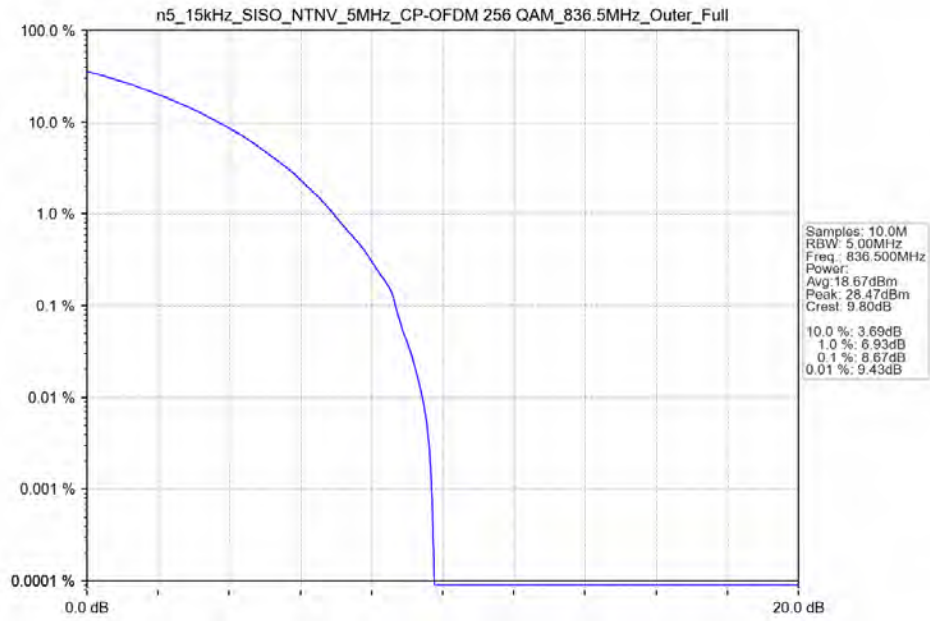
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 846.5MHz_Outer_Full_Ant11



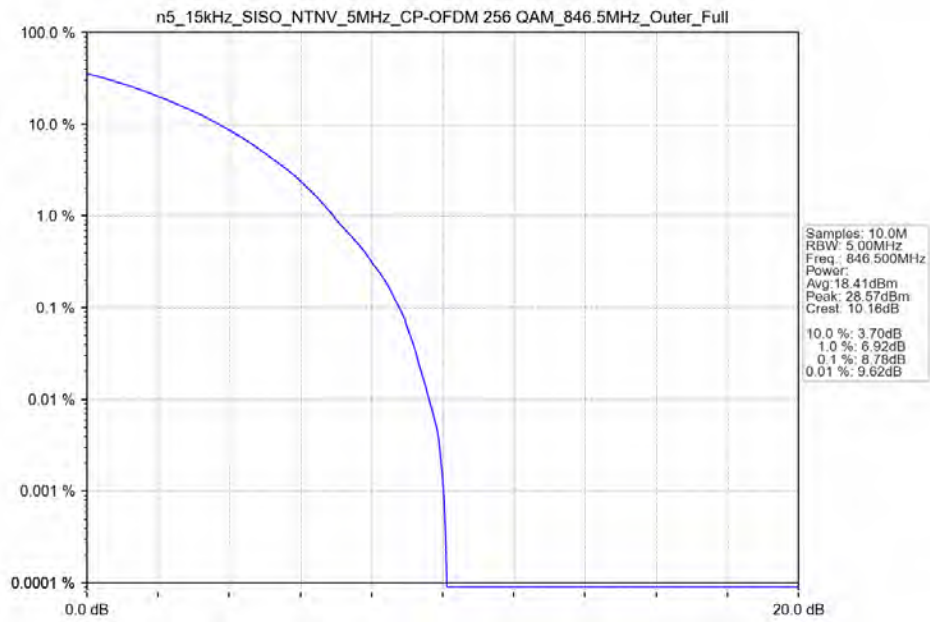
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_826.5MHz_Outer_Full_Ant11



n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11

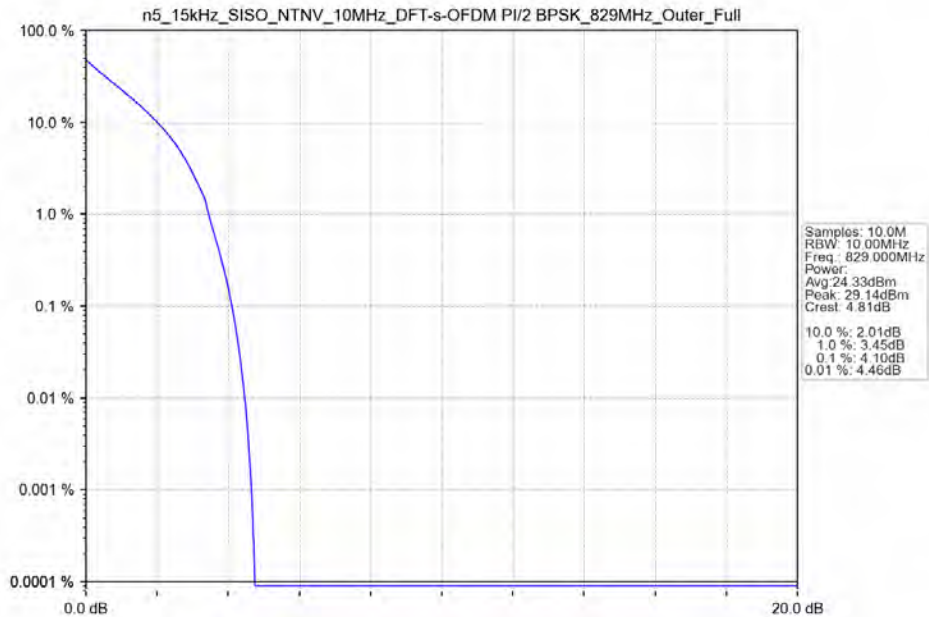


n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_846.5MHz_Outer_Full_Ant11

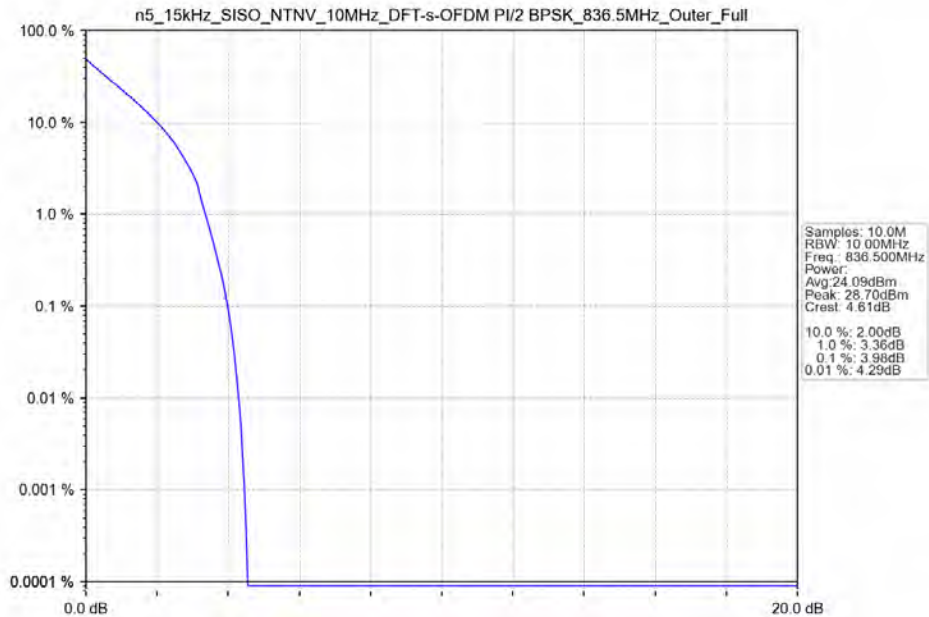


4.2.2 15k_SISO_10MHz_NTNV

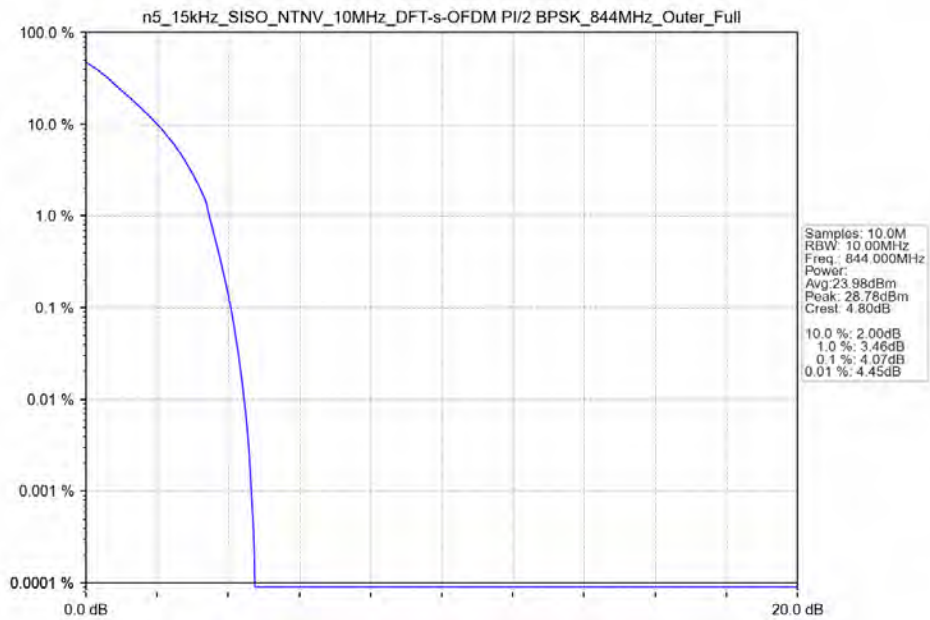
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_829MHz_Outer_Full_Ant11



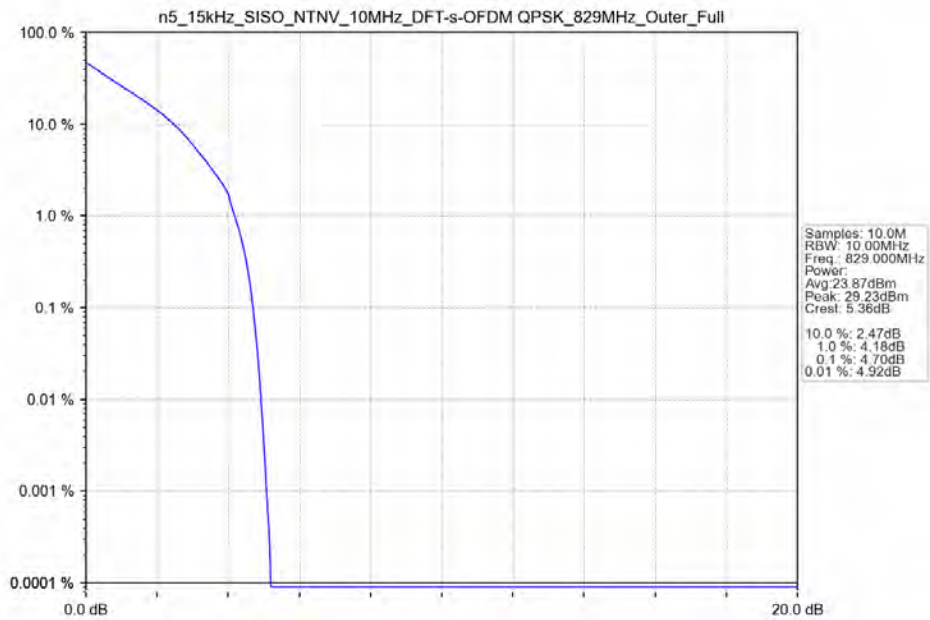
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Outer_Full_Ant11



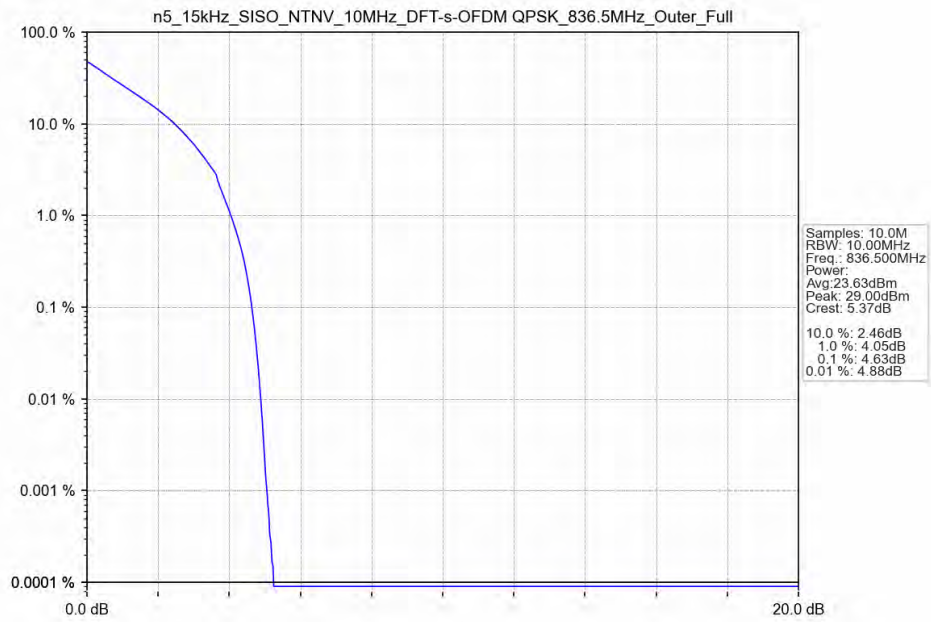
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_844MHz_Outer_Full_Ant11



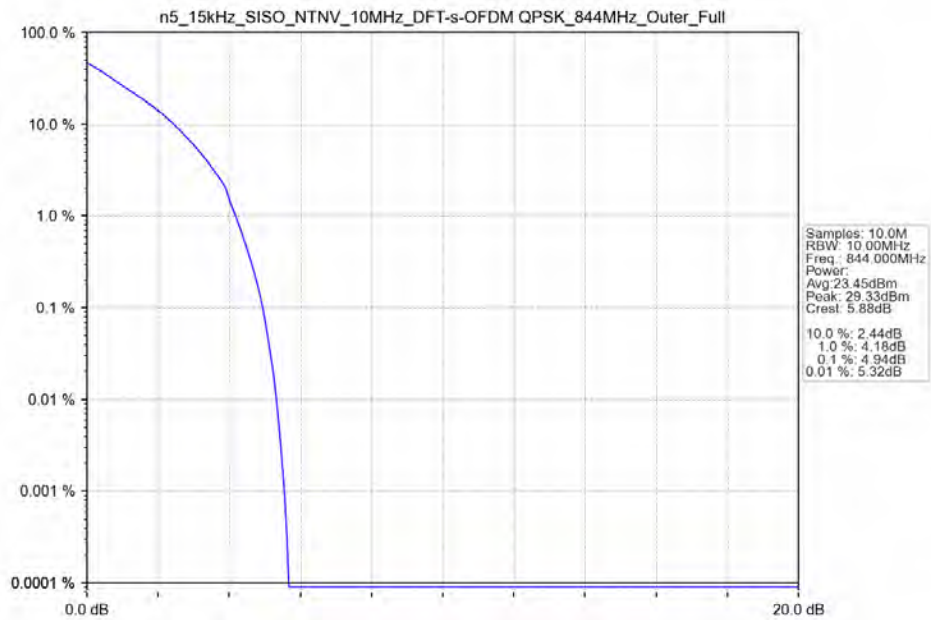
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_829MHz_Outer_Full_Ant11



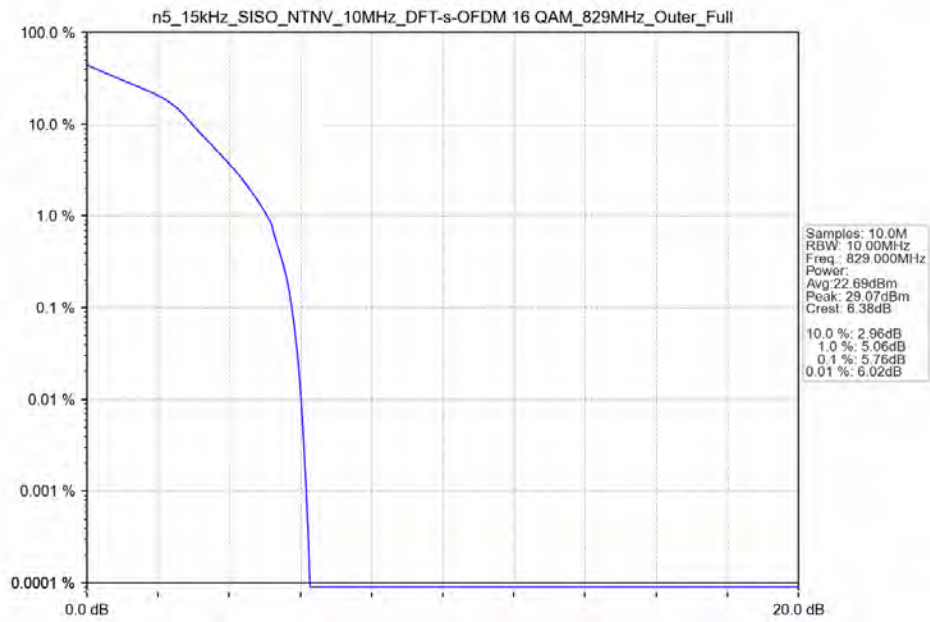
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_836.5MHz_Outer_Full_Ant11



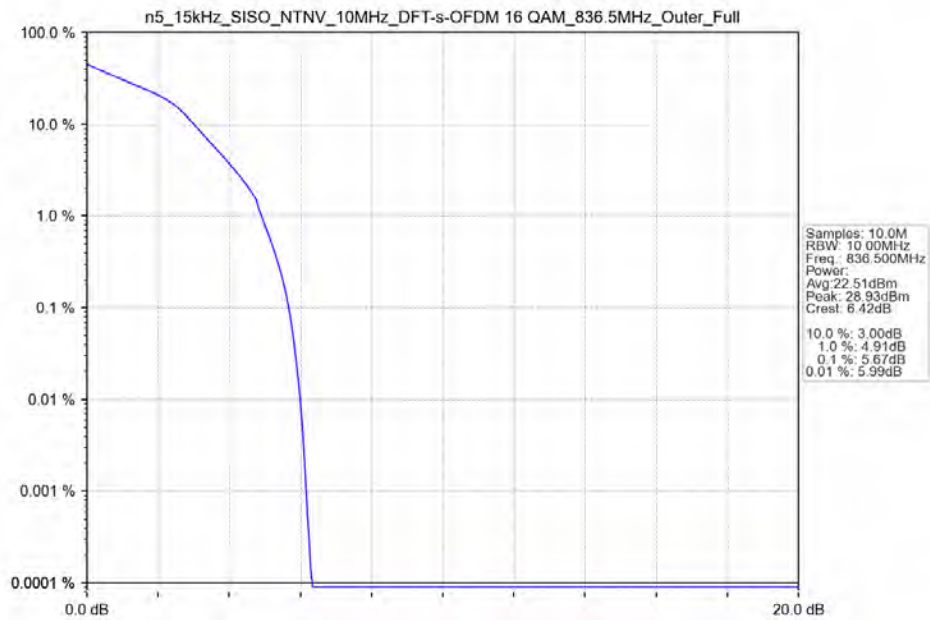
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full_Ant11



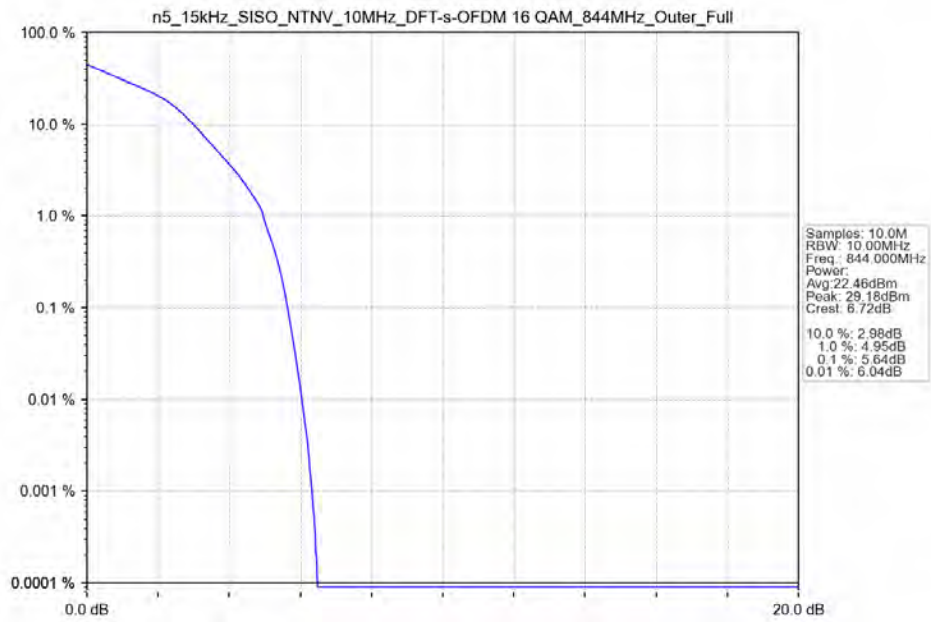
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_829MHz_Outer_Full_Ant11



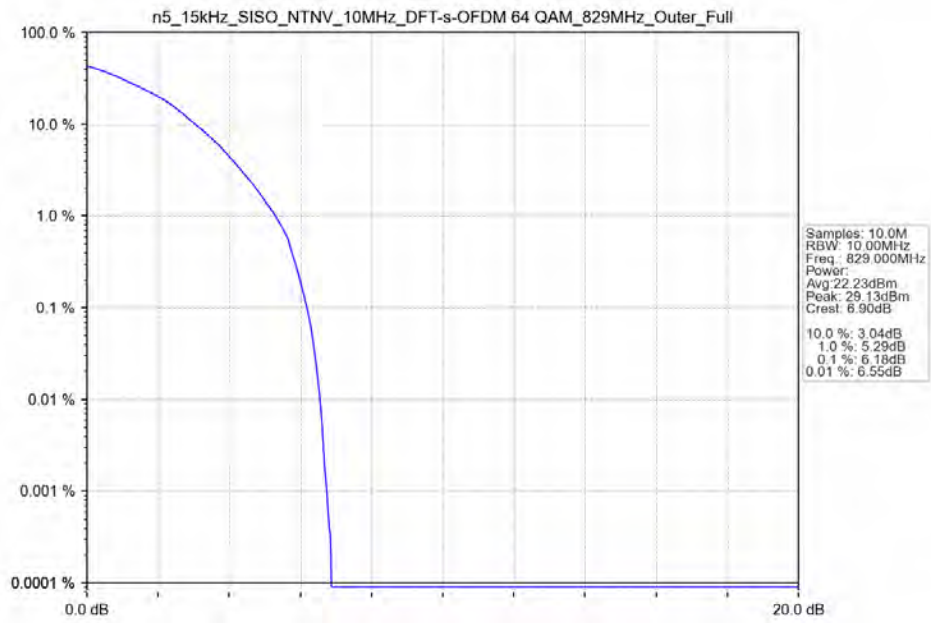
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



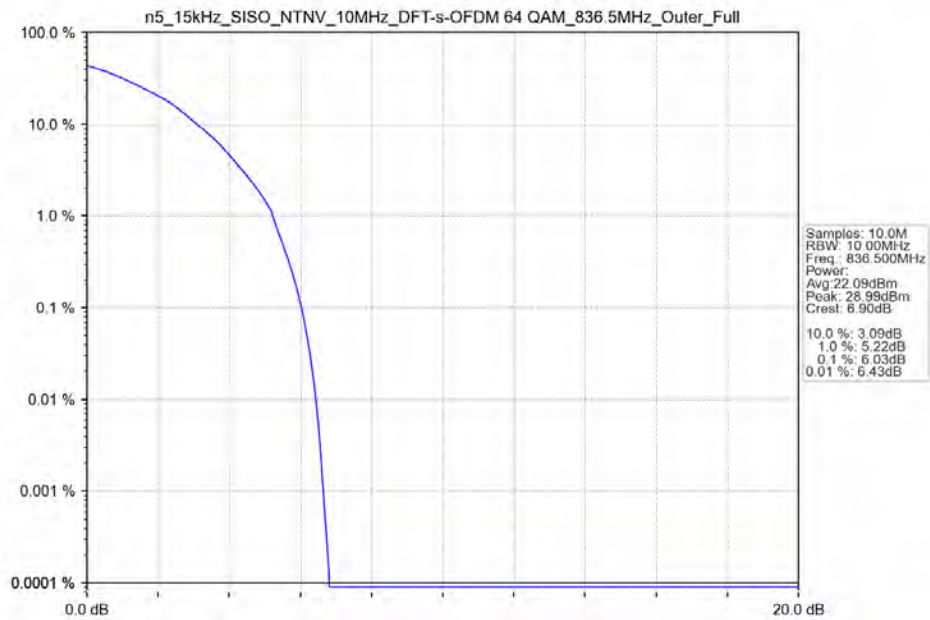
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM 844MHz_Outer_Full_Ant11



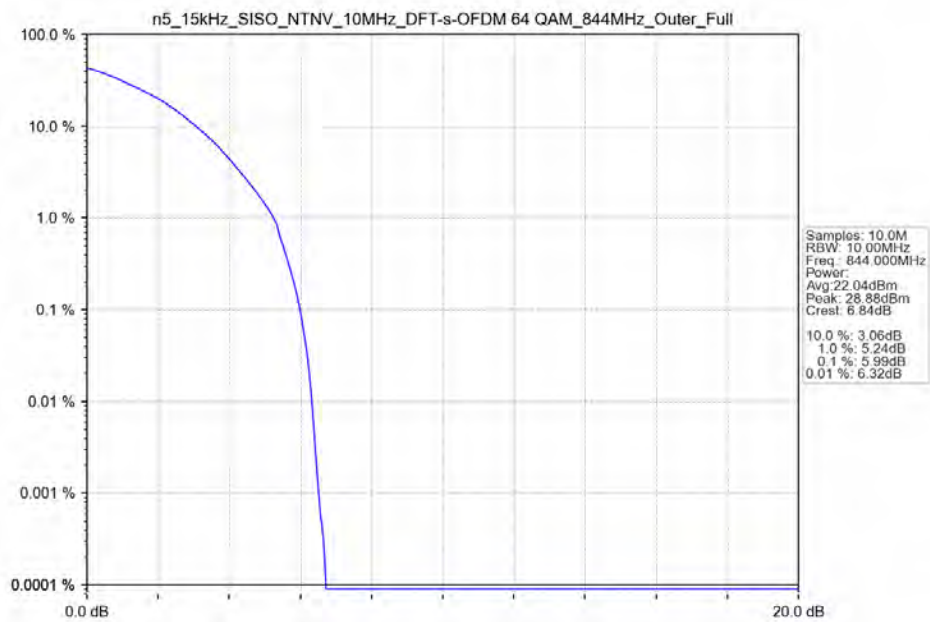
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM 829MHz_Outer_Full_Ant11



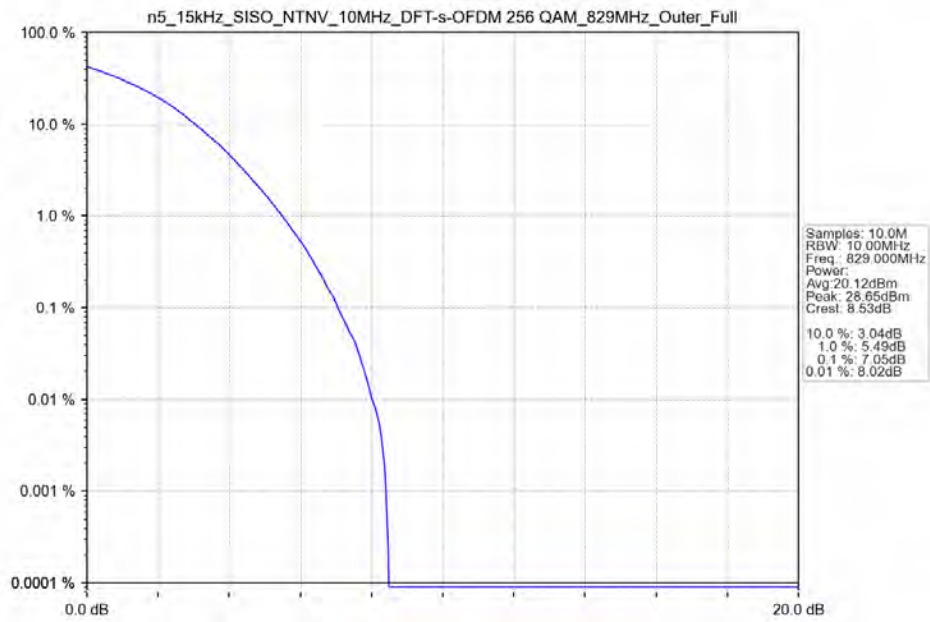
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant11



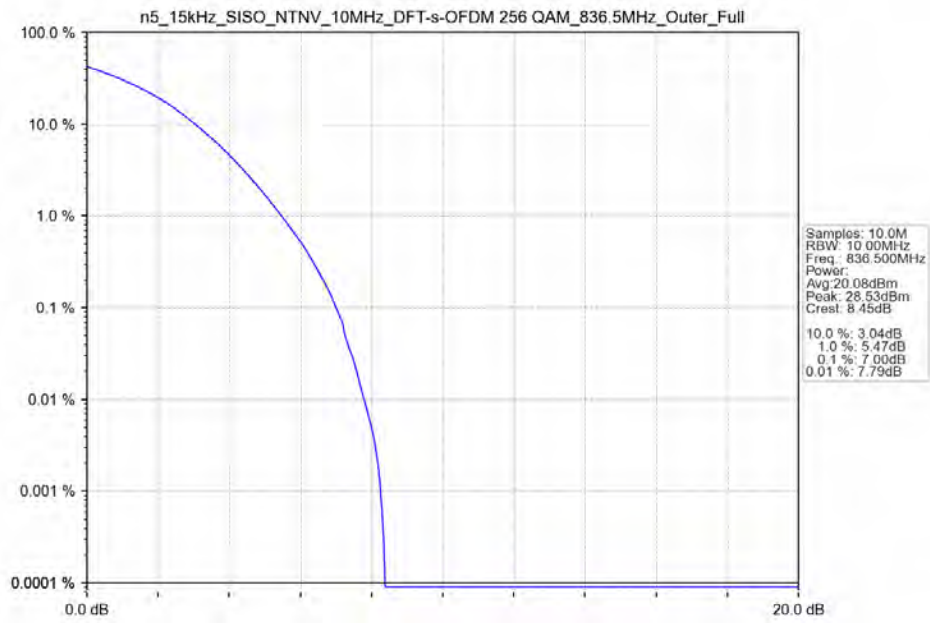
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_844MHz_Outer_Full_Ant11



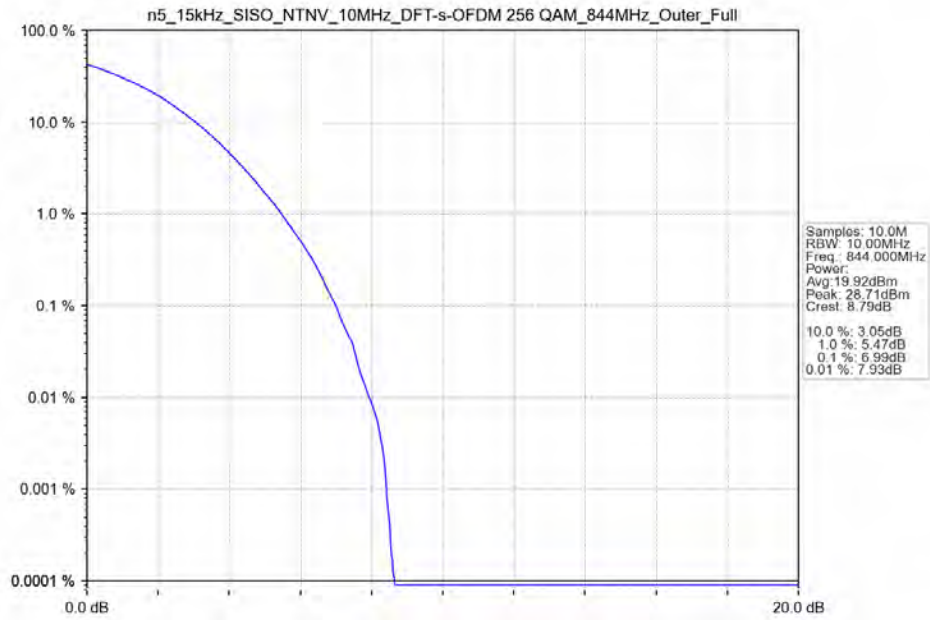
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_829MHz_Outer_Full_Ant11



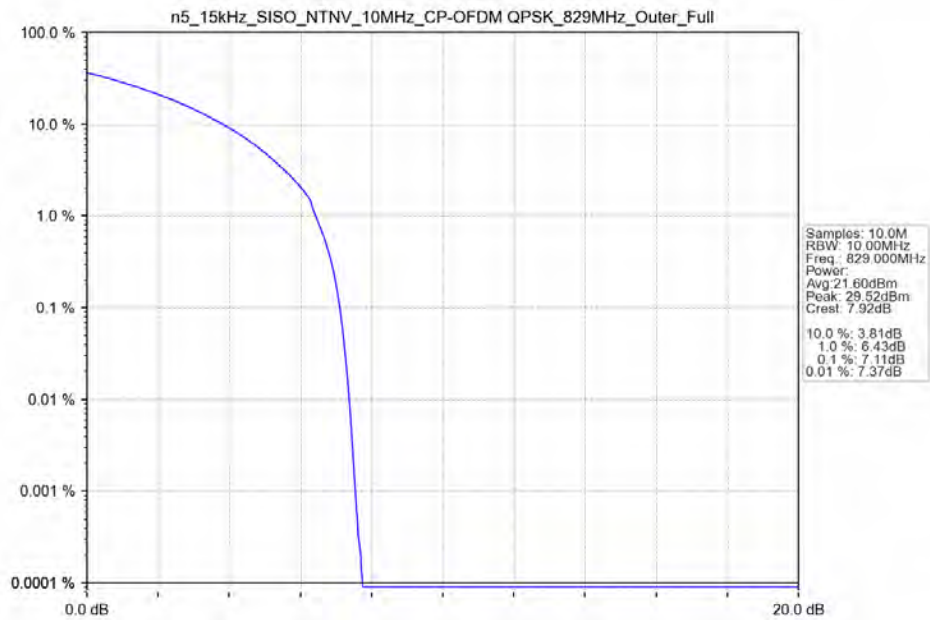
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant11



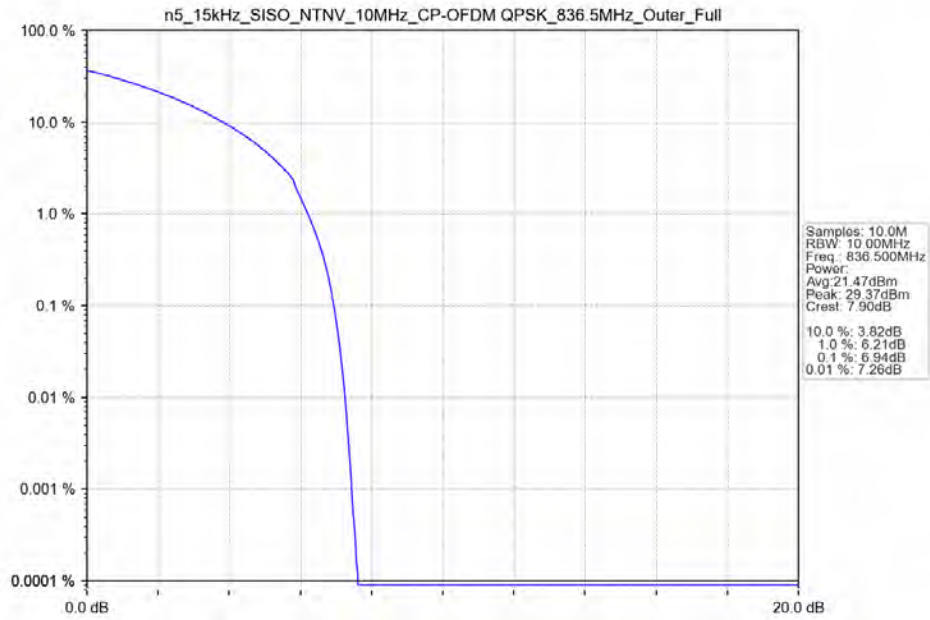
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_844MHz_Outer_Full_Ant11



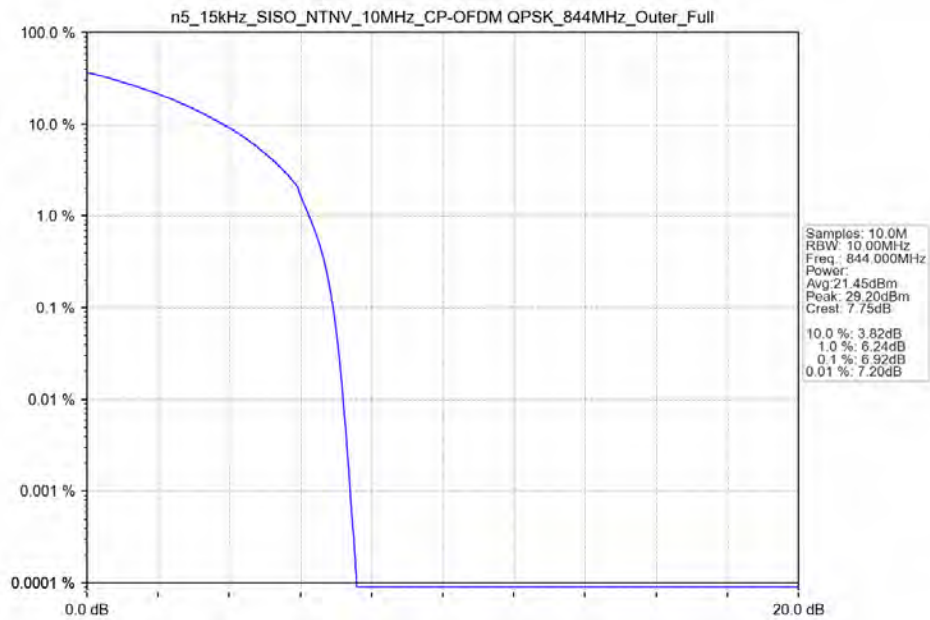
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_829MHz_Outer_Full_Ant11



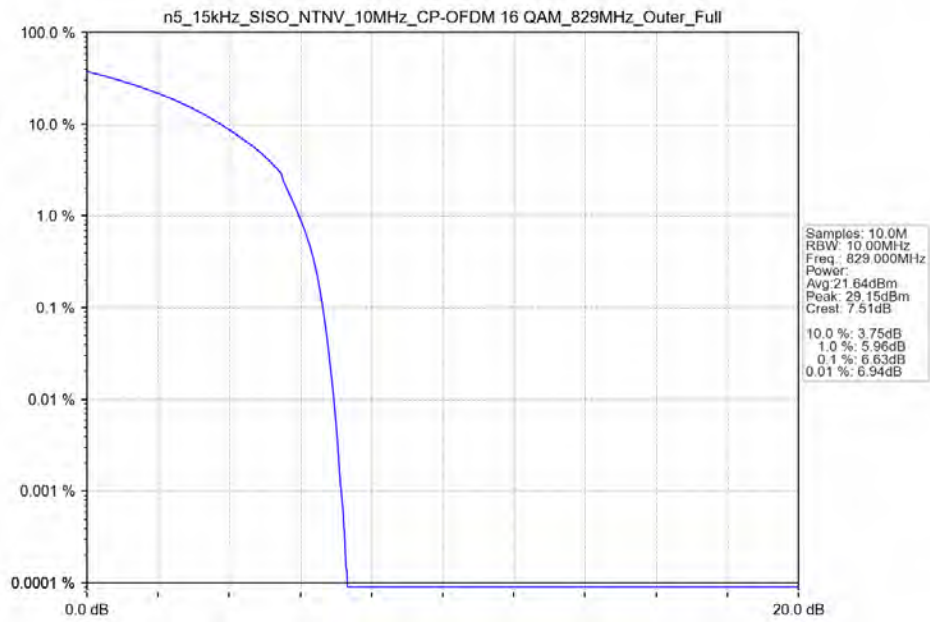
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK 836.5MHz_Outer_Full_Ant11



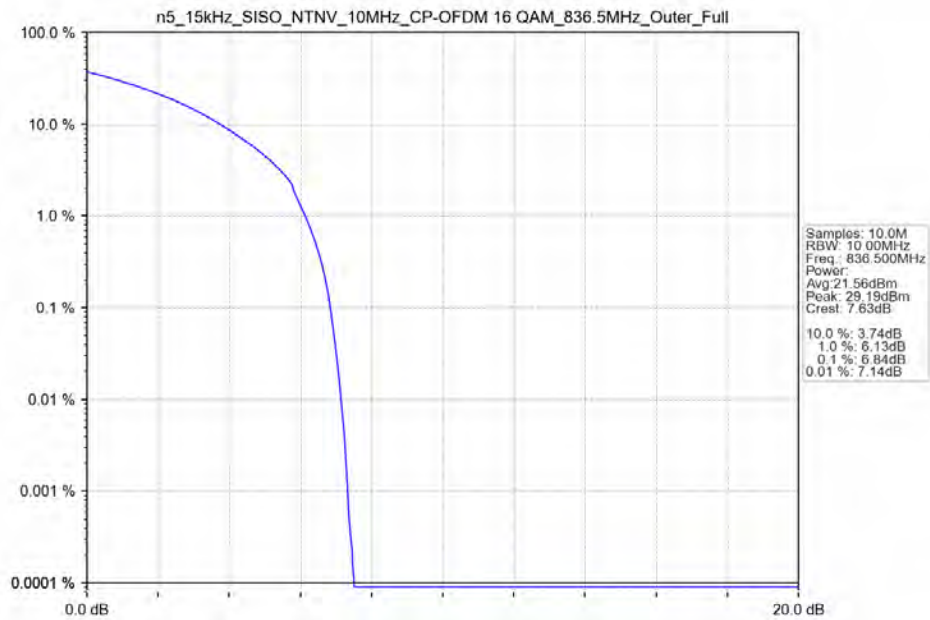
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_844MHz_Outer_Full_Ant11



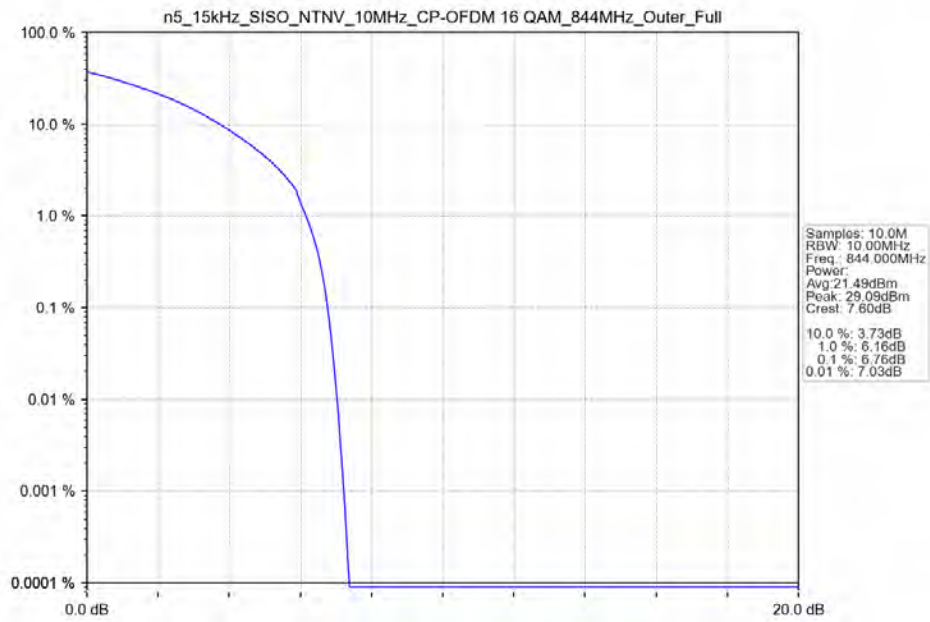
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_829MHz_Outer_Full_Ant11



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant11



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 844MHz_Outer_Full_Ant11



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 829MHz_Outer_Full_Ant11

