

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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Edge_1RB_Left	22.78	/	/	16.83	/	/	<=38.45	Pass
		Edge_1RB_Right	22.72	/	/	16.77	/	/	<=38.45	Pass
		Outer_Full	22.81	/	/	16.86	/	/	<=38.45	Pass
		Inner_Full	23.55	/	/	17.60	/	/	<=38.45	Pass
		Inner_1RB_Left	23.95	/	/	18.00	/	/	<=38.45	Pass
		Inner_1RB_Right	23.86	/	/	17.91	/	/	<=38.45	Pass
	826.5	Edge_1RB_Left	22.95	/	/	17.00	/	/	<=38.45	Pass
		Edge_1RB_Right	23.01	/	/	17.06	/	/	<=38.45	Pass
		Outer_Full	23.13	/	/	17.18	/	/	<=38.45	Pass
		Inner_Full	23.68	/	/	17.73	/	/	<=38.45	Pass
		Inner_1RB_Left	23.46	/	/	17.51	/	/	<=38.45	Pass
		Inner_1RB_Right	23.52	/	/	17.57	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.11	/	/	17.16	/	/	<=38.45	Pass
		Edge_1RB_Right	23.07	/	/	17.12	/	/	<=38.45	Pass
		Outer_Full	23.28	/	/	17.33	/	/	<=38.45	Pass
		Inner_Full	23.81	/	/	17.86	/	/	<=38.45	Pass
		Inner_1RB_Left	23.62	/	/	17.67	/	/	<=38.45	Pass
		Inner_1RB_Right	23.61	/	/	17.66	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	836.5	Edge_1RB_Left	23.01	/	/	17.06	/	/	<=38.45	Pass
		Edge_1RB_Right	22.87	/	/	16.92	/	/	<=38.45	Pass
		Outer_Full	22.79	/	/	16.84	/	/	<=38.45	Pass
		Inner_Full	23.81	/	/	17.86	/	/	<=38.45	Pass
		Inner_1RB_Left	24.13	/	/	18.18	/	/	<=38.45	Pass
		Inner_1RB_Right	23.98	/	/	18.03	/	/	<=38.45	Pass
	826.5	Edge_1RB_Left	22.73	/	/	16.78	/	/	<=38.45	Pass
		Edge_1RB_Right	22.74	/	/	16.79	/	/	<=38.45	Pass
		Outer_Full	22.67	/	/	16.72	/	/	<=38.45	Pass
		Inner_Full	23.68	/	/	17.73	/	/	<=38.45	Pass
		Inner_1RB_Left	23.78	/	/	17.83	/	/	<=38.45	Pass
		Inner_1RB_Right	23.90	/	/	17.95	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.84	/	/	16.89	/	/	<=38.45	Pass
		Edge_1RB_Right	23.02	/	/	17.07	/	/	<=38.45	Pass
		Outer_Full	22.75	/	/	16.80	/	/	<=38.45	Pass
		Inner_Full	23.78	/	/	17.83	/	/	<=38.45	Pass
		Inner_1RB_Left	23.95	/	/	18.00	/	/	<=38.45	Pass
		Inner_1RB_Right	24.08	/	/	18.13	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	836.5	Edge_1RB_Left	22.04	/	/	16.09	/	/	<=38.45	Pass
		Edge_1RB_Right	21.98	/	/	16.03	/	/	<=38.45	Pass
		Outer_Full	21.86	/	/	15.91	/	/	<=38.45	Pass
		Inner_Full	22.82	/	/	16.87	/	/	<=38.45	Pass
		Inner_1RB_Left	22.96	/	/	17.01	/	/	<=38.45	Pass
		Inner_1RB_Right	22.90	/	/	16.95	/	/	<=38.45	Pass
	826.5	Edge_1RB_Left	21.87	/	/	15.92	/	/	<=38.45	Pass
		Edge_1RB_Right	21.82	/	/	15.87	/	/	<=38.45	Pass
		Outer_Full	21.77	/	/	15.82	/	/	<=38.45	Pass
		Inner_Full	22.72	/	/	16.77	/	/	<=38.45	Pass
		Inner_1RB_Left	22.76	/	/	16.81	/	/	<=38.45	Pass
		Inner_1RB_Right	22.84	/	/	16.89	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	17.19	/	/	11.24	/	/	<=38.45	Pass

		Edge_1RB_Right	21.97	/	/	16.02	/	/	<=38.45	Pass
		Outer_Full	21.84	/	/	15.89	/	/	<=38.45	Pass
		Inner_Full	22.82	/	/	16.87	/	/	<=38.45	Pass
		Inner_1RB_Left	22.83	/	/	16.88	/	/	<=38.45	Pass
		Inner_1RB_Right	22.84	/	/	16.89	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	836.5	Edge_1RB_Left	21.10	/	/	15.15	/	/	<=38.45	Pass
		Edge_1RB_Right	21.03	/	/	15.08	/	/	<=38.45	Pass
		Outer_Full	21.46	/	/	15.51	/	/	<=38.45	Pass
		Inner_Full	21.41	/	/	15.46	/	/	<=38.45	Pass
		Inner_1RB_Left	21.16	/	/	15.21	/	/	<=38.45	Pass
		Inner_1RB_Right	21.08	/	/	15.13	/	/	<=38.45	Pass
	826.5	Edge_1RB_Left	20.97	/	/	15.02	/	/	<=38.45	Pass
		Edge_1RB_Right	21.08	/	/	15.13	/	/	<=38.45	Pass
		Outer_Full	21.36	/	/	15.41	/	/	<=38.45	Pass
		Inner_Full	21.37	/	/	15.42	/	/	<=38.45	Pass
		Inner_1RB_Left	20.95	/	/	15.00	/	/	<=38.45	Pass
		Inner_1RB_Right	21.01	/	/	15.06	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.01	/	/	15.06	/	/	<=38.45	Pass
		Edge_1RB_Right	21.06	/	/	15.11	/	/	<=38.45	Pass
		Outer_Full	21.43	/	/	15.48	/	/	<=38.45	Pass
		Inner_Full	21.41	/	/	15.46	/	/	<=38.45	Pass
		Inner_1RB_Left	21.02	/	/	15.07	/	/	<=38.45	Pass
		Inner_1RB_Right	21.09	/	/	15.14	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	836.5	Edge_1RB_Left	19.33	/	/	13.38	/	/	<=38.45	Pass
		Edge_1RB_Right	19.27	/	/	13.32	/	/	<=38.45	Pass
		Outer_Full	19.34	/	/	13.39	/	/	<=38.45	Pass
		Inner_Full	19.40	/	/	13.45	/	/	<=38.45	Pass
		Inner_1RB_Left	19.31	/	/	13.36	/	/	<=38.45	Pass
		Inner_1RB_Right	19.25	/	/	13.30	/	/	<=38.45	Pass
	826.5	Edge_1RB_Left	19.19	/	/	13.24	/	/	<=38.45	Pass
		Edge_1RB_Right	19.24	/	/	13.29	/	/	<=38.45	Pass
		Outer_Full	19.23	/	/	13.28	/	/	<=38.45	Pass
		Inner_Full	19.39	/	/	13.44	/	/	<=38.45	Pass
		Inner_1RB_Left	19.20	/	/	13.25	/	/	<=38.45	Pass
		Inner_1RB_Right	19.20	/	/	13.25	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	19.20	/	/	13.25	/	/	<=38.45	Pass
		Edge_1RB_Right	19.27	/	/	13.32	/	/	<=38.45	Pass
		Outer_Full	19.23	/	/	13.28	/	/	<=38.45	Pass
		Inner_Full	19.40	/	/	13.45	/	/	<=38.45	Pass
		Inner_1RB_Left	19.22	/	/	13.27	/	/	<=38.45	Pass
		Inner_1RB_Right	19.32	/	/	13.37	/	/	<=38.45	Pass
CP-OFDM QPSK	836.5	Edge_1RB_Left	20.92	/	/	14.97	/	/	<=38.45	Pass
		Edge_1RB_Right	20.76	/	/	14.81	/	/	<=38.45	Pass
		Outer_Full	20.84	/	/	14.89	/	/	<=38.45	Pass
		Inner_Full	22.22	/	/	16.27	/	/	<=38.45	Pass
		Inner_1RB_Left	22.53	/	/	16.58	/	/	<=38.45	Pass
		Inner_1RB_Right	22.25	/	/	16.30	/	/	<=38.45	Pass
	826.5	Edge_1RB_Left	20.81	/	/	14.86	/	/	<=38.45	Pass
		Edge_1RB_Right	20.72	/	/	14.77	/	/	<=38.45	Pass
		Outer_Full	20.75	/	/	14.80	/	/	<=38.45	Pass
		Inner_Full	22.16	/	/	16.21	/	/	<=38.45	Pass
		Inner_1RB_Left	22.20	/	/	16.25	/	/	<=38.45	Pass
		Inner_1RB_Right	22.16	/	/	16.21	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.70	/	/	14.75	/	/	<=38.45	Pass
		Edge_1RB_Right	20.76	/	/	14.81	/	/	<=38.45	Pass
		Outer_Full	20.74	/	/	14.79	/	/	<=38.45	Pass
		Inner_Full	22.16	/	/	16.21	/	/	<=38.45	Pass
		Inner_1RB_Left	22.23	/	/	16.28	/	/	<=38.45	Pass
		Inner_1RB_Right	22.44	/	/	16.49	/	/	<=38.45	Pass

Note1: Antenna Gain: Ant0: -3.80dBi;
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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Edge_1RB_Left	23.10	/	/	17.15	/	/	<=38.45	Pass
		Edge_1RB_Right	23.14	/	/	17.19	/	/	<=38.45	Pass
		Outer_Full	23.27	/	/	17.32	/	/	<=38.45	Pass
		Inner_Full	23.77	/	/	17.82	/	/	<=38.45	Pass
		Inner_1RB_Left	23.61	/	/	17.66	/	/	<=38.45	Pass
		Inner_1RB_Right	23.65	/	/	17.70	/	/	<=38.45	Pass
	829	Edge_1RB_Left	23.00	/	/	17.05	/	/	<=38.45	Pass
		Edge_1RB_Right	23.09	/	/	17.14	/	/	<=38.45	Pass
		Outer_Full	23.10	/	/	17.15	/	/	<=38.45	Pass
		Inner_Full	23.63	/	/	17.68	/	/	<=38.45	Pass
		Inner_1RB_Left	23.52	/	/	17.57	/	/	<=38.45	Pass
		Inner_1RB_Right	23.57	/	/	17.62	/	/	<=38.45	Pass
	844	Edge_1RB_Left	23.05	/	/	17.10	/	/	<=38.45	Pass
		Edge_1RB_Right	23.01	/	/	17.06	/	/	<=38.45	Pass
		Outer_Full	23.08	/	/	17.13	/	/	<=38.45	Pass
		Inner_Full	23.67	/	/	17.72	/	/	<=38.45	Pass
		Inner_1RB_Left	23.61	/	/	17.66	/	/	<=38.45	Pass
		Inner_1RB_Right	23.53	/	/	17.58	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	836.5	Edge_1RB_Left	22.90	/	/	16.95	/	/	<=38.45	Pass
		Edge_1RB_Right	22.80	/	/	16.85	/	/	<=38.45	Pass
		Outer_Full	22.75	/	/	16.80	/	/	<=38.45	Pass
		Inner_Full	23.73	/	/	17.78	/	/	<=38.45	Pass
		Inner_1RB_Left	24.01	/	/	18.06	/	/	<=38.45	Pass
		Inner_1RB_Right	23.66	/	/	17.71	/	/	<=38.45	Pass
	829	Edge_1RB_Left	22.72	/	/	16.77	/	/	<=38.45	Pass
		Edge_1RB_Right	22.92	/	/	16.97	/	/	<=38.45	Pass
		Outer_Full	22.62	/	/	16.67	/	/	<=38.45	Pass
		Inner_Full	23.63	/	/	17.68	/	/	<=38.45	Pass
		Inner_1RB_Left	23.71	/	/	17.76	/	/	<=38.45	Pass
		Inner_1RB_Right	23.94	/	/	17.99	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.75	/	/	16.80	/	/	<=38.45	Pass
		Edge_1RB_Right	22.98	/	/	17.03	/	/	<=38.45	Pass
		Outer_Full	22.62	/	/	16.67	/	/	<=38.45	Pass
		Inner_Full	23.65	/	/	17.70	/	/	<=38.45	Pass
		Inner_1RB_Left	23.85	/	/	17.90	/	/	<=38.45	Pass
		Inner_1RB_Right	23.90	/	/	17.95	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	836.5	Edge_1RB_Left	21.90	/	/	15.95	/	/	<=38.45	Pass
		Edge_1RB_Right	21.78	/	/	15.83	/	/	<=38.45	Pass
		Outer_Full	21.83	/	/	15.88	/	/	<=38.45	Pass
		Inner_Full	22.76	/	/	16.81	/	/	<=38.45	Pass
		Inner_1RB_Left	22.82	/	/	16.87	/	/	<=38.45	Pass
		Inner_1RB_Right	22.86	/	/	16.91	/	/	<=38.45	Pass
	829	Edge_1RB_Left	21.86	/	/	15.91	/	/	<=38.45	Pass
		Edge_1RB_Right	21.89	/	/	15.94	/	/	<=38.45	Pass
		Outer_Full	21.74	/	/	15.79	/	/	<=38.45	Pass
		Inner_Full	22.64	/	/	16.69	/	/	<=38.45	Pass
		Inner_1RB_Left	22.73	/	/	16.78	/	/	<=38.45	Pass
		Inner_1RB_Right	22.80	/	/	16.85	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.86	/	/	15.91	/	/	<=38.45	Pass
		Edge_1RB_Right	21.80	/	/	15.85	/	/	<=38.45	Pass
		Outer_Full	21.67	/	/	15.72	/	/	<=38.45	Pass
		Inner_Full	22.71	/	/	16.76	/	/	<=38.45	Pass
		Inner_1RB_Left	22.81	/	/	16.86	/	/	<=38.45	Pass
		Inner_1RB_Right	22.79	/	/	16.84	/	/	<=38.45	Pass

DFT-s-OFDM 64 QAM	836.5	Edge_1RB_Left	21.00	/	/	15.05	/	/	<=38.45	Pass
		Edge_1RB_Right	21.04	/	/	15.09	/	/	<=38.45	Pass
		Outer_Full	21.33	/	/	15.38	/	/	<=38.45	Pass
		Inner_Full	21.37	/	/	15.42	/	/	<=38.45	Pass
		Inner_1RB_Left	20.97	/	/	15.02	/	/	<=38.45	Pass
		Inner_1RB_Right	20.98	/	/	15.03	/	/	<=38.45	Pass
	829	Edge_1RB_Left	20.93	/	/	14.98	/	/	<=38.45	Pass
		Edge_1RB_Right	20.94	/	/	14.99	/	/	<=38.45	Pass
		Outer_Full	21.19	/	/	15.24	/	/	<=38.45	Pass
		Inner_Full	21.30	/	/	15.35	/	/	<=38.45	Pass
		Inner_1RB_Left	20.93	/	/	14.98	/	/	<=38.45	Pass
		Inner_1RB_Right	20.92	/	/	14.97	/	/	<=38.45	Pass
	844	Edge_1RB_Left	20.96	/	/	15.01	/	/	<=38.45	Pass
		Edge_1RB_Right	21.03	/	/	15.08	/	/	<=38.45	Pass
		Outer_Full	21.16	/	/	15.21	/	/	<=38.45	Pass
		Inner_Full	21.26	/	/	15.31	/	/	<=38.45	Pass
		Inner_1RB_Left	20.97	/	/	15.02	/	/	<=38.45	Pass
		Inner_1RB_Right	20.98	/	/	15.03	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	836.5	Edge_1RB_Left	19.18	/	/	13.23	/	/	<=38.45	Pass
		Edge_1RB_Right	19.18	/	/	13.23	/	/	<=38.45	Pass
		Outer_Full	19.24	/	/	13.29	/	/	<=38.45	Pass
		Inner_Full	19.23	/	/	13.28	/	/	<=38.45	Pass
		Inner_1RB_Left	19.18	/	/	13.23	/	/	<=38.45	Pass
		Inner_1RB_Right	19.15	/	/	13.20	/	/	<=38.45	Pass
	829	Edge_1RB_Left	19.12	/	/	13.17	/	/	<=38.45	Pass
		Edge_1RB_Right	19.17	/	/	13.22	/	/	<=38.45	Pass
		Outer_Full	19.14	/	/	13.19	/	/	<=38.45	Pass
		Inner_Full	19.17	/	/	13.22	/	/	<=38.45	Pass
		Inner_1RB_Left	19.14	/	/	13.19	/	/	<=38.45	Pass
		Inner_1RB_Right	18.99	/	/	13.04	/	/	<=38.45	Pass
	844	Edge_1RB_Left	19.10	/	/	13.15	/	/	<=38.45	Pass
		Edge_1RB_Right	19.28	/	/	13.33	/	/	<=38.45	Pass
		Outer_Full	19.10	/	/	13.15	/	/	<=38.45	Pass
		Inner_Full	19.15	/	/	13.20	/	/	<=38.45	Pass
		Inner_1RB_Left	19.13	/	/	13.18	/	/	<=38.45	Pass
		Inner_1RB_Right	19.24	/	/	13.29	/	/	<=38.45	Pass
CP-OFDM QPSK	836.5	Edge_1RB_Left	20.72	/	/	14.77	/	/	<=38.45	Pass
		Edge_1RB_Right	20.70	/	/	14.75	/	/	<=38.45	Pass
		Outer_Full	20.82	/	/	14.87	/	/	<=38.45	Pass
		Inner_Full	22.28	/	/	16.33	/	/	<=38.45	Pass
		Inner_1RB_Left	22.38	/	/	16.43	/	/	<=38.45	Pass
		Inner_1RB_Right	21.81	/	/	15.86	/	/	<=38.45	Pass
	829	Edge_1RB_Left	20.76	/	/	14.81	/	/	<=38.45	Pass
		Edge_1RB_Right	20.71	/	/	14.76	/	/	<=38.45	Pass
		Outer_Full	20.67	/	/	14.72	/	/	<=38.45	Pass
		Inner_Full	22.19	/	/	16.24	/	/	<=38.45	Pass
		Inner_1RB_Left	22.16	/	/	16.21	/	/	<=38.45	Pass
		Inner_1RB_Right	22.20	/	/	16.25	/	/	<=38.45	Pass
	844	Edge_1RB_Left	20.68	/	/	14.73	/	/	<=38.45	Pass
		Edge_1RB_Right	20.87	/	/	14.92	/	/	<=38.45	Pass
		Outer_Full	20.62	/	/	14.67	/	/	<=38.45	Pass
		Inner_Full	22.20	/	/	16.25	/	/	<=38.45	Pass
		Inner_1RB_Left	22.28	/	/	16.33	/	/	<=38.45	Pass
		Inner_1RB_Right	22.52	/	/	16.57	/	/	<=38.45	Pass
CP-OFDM 16 QAM	836.5	Edge_1RB_Left	20.95	/	/	15.00	/	/	<=38.45	Pass
		Edge_1RB_Right	20.79	/	/	14.84	/	/	<=38.45	Pass
		Outer_Full	20.85	/	/	14.90	/	/	<=38.45	Pass
		Inner_Full	21.74	/	/	15.79	/	/	<=38.45	Pass
		Inner_1RB_Left	22.00	/	/	16.05	/	/	<=38.45	Pass

		829	Inner 1RB Right	21.95	/	/	16.00	/	/	<=38.45	Pass
			Edge_1RB_Left	20.89	/	/	14.94	/	/	<=38.45	Pass
			Edge_1RB_Right	20.92	/	/	14.97	/	/	<=38.45	Pass
			Outer_Full	20.69	/	/	14.74	/	/	<=38.45	Pass
			Inner_Full	21.70	/	/	15.75	/	/	<=38.45	Pass
			Inner_1RB_Left	21.91	/	/	15.96	/	/	<=38.45	Pass
			Inner_1RB_Right	21.84	/	/	15.89	/	/	<=38.45	Pass
		844	Edge_1RB_Left	20.82	/	/	14.87	/	/	<=38.45	Pass
			Edge_1RB_Right	20.93	/	/	14.98	/	/	<=38.45	Pass
			Outer_Full	20.68	/	/	14.73	/	/	<=38.45	Pass
			Inner_Full	21.72	/	/	15.77	/	/	<=38.45	Pass
			Inner_1RB_Left	21.92	/	/	15.97	/	/	<=38.45	Pass
			Inner_1RB_Right	21.83	/	/	15.88	/	/	<=38.45	Pass
CP-OFDM 64 QAM	836.5	Edge_1RB_Left	20.02	/	/	14.07	/	/	<=38.45	Pass	
		Edge_1RB_Right	20.05	/	/	14.10	/	/	<=38.45	Pass	
		Outer_Full	20.27	/	/	14.32	/	/	<=38.45	Pass	
		Inner_Full	20.29	/	/	14.34	/	/	<=38.45	Pass	
		Inner_1RB_Left	20.07	/	/	14.12	/	/	<=38.45	Pass	
		Inner_1RB_Right	20.08	/	/	14.13	/	/	<=38.45	Pass	
	829	Edge_1RB_Left	20.02	/	/	14.07	/	/	<=38.45	Pass	
		Edge_1RB_Right	20.01	/	/	14.06	/	/	<=38.45	Pass	
		Outer_Full	20.14	/	/	14.19	/	/	<=38.45	Pass	
		Inner_Full	20.24	/	/	14.29	/	/	<=38.45	Pass	
		Inner_1RB_Left	20.03	/	/	14.08	/	/	<=38.45	Pass	
		Inner_1RB_Right	19.98	/	/	14.03	/	/	<=38.45	Pass	
	844	Edge_1RB_Left	20.02	/	/	14.07	/	/	<=38.45	Pass	
		Edge_1RB_Right	20.01	/	/	14.06	/	/	<=38.45	Pass	
		Outer_Full	20.10	/	/	14.15	/	/	<=38.45	Pass	
		Inner_Full	20.26	/	/	14.31	/	/	<=38.45	Pass	
		Inner_1RB_Left	20.07	/	/	14.12	/	/	<=38.45	Pass	
		Inner_1RB_Right	20.02	/	/	14.07	/	/	<=38.45	Pass	
	CP-OFDM 256 QAM	836.5	Edge_1RB_Left	17.25	/	/	11.30	/	/	<=38.45	Pass
			Edge_1RB_Right	17.27	/	/	11.32	/	/	<=38.45	Pass
			Outer_Full	17.24	/	/	11.29	/	/	<=38.45	Pass
Inner_Full			17.24	/	/	11.29	/	/	<=38.45	Pass	
Inner_1RB_Left			17.28	/	/	11.33	/	/	<=38.45	Pass	
Inner_1RB_Right			17.24	/	/	11.29	/	/	<=38.45	Pass	
829		Edge_1RB_Left	17.21	/	/	11.26	/	/	<=38.45	Pass	
		Edge_1RB_Right	17.22	/	/	11.27	/	/	<=38.45	Pass	
		Outer_Full	17.11	/	/	11.16	/	/	<=38.45	Pass	
		Inner_Full	17.18	/	/	11.23	/	/	<=38.45	Pass	
		Inner_1RB_Left	17.23	/	/	11.28	/	/	<=38.45	Pass	
		Inner_1RB_Right	17.18	/	/	11.23	/	/	<=38.45	Pass	
844		Edge_1RB_Left	17.19	/	/	11.24	/	/	<=38.45	Pass	
		Edge_1RB_Right	17.23	/	/	11.28	/	/	<=38.45	Pass	
		Outer_Full	17.08	/	/	11.13	/	/	<=38.45	Pass	
	Inner_Full	17.17	/	/	11.22	/	/	<=38.45	Pass		
	Inner_1RB_Left	17.26	/	/	11.31	/	/	<=38.45	Pass		
Inner_1RB_Right	17.22	/	/	11.27	/	/	<=38.45	Pass			
Note1: Antenna Gain: Ant0: -3.80dBi; 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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Edge_1RB_Left	23.08	/	/	17.13	/	/	<=38.45	Pass
		Edge_1RB_Right	23.12	/	/	17.17	/	/	<=38.45	Pass
		Outer_Full	23.26	/	/	17.31	/	/	<=38.45	Pass
		Inner_Full	23.80	/	/	17.85	/	/	<=38.45	Pass
		Inner_1RB_Left	23.58	/	/	17.63	/	/	<=38.45	Pass
		Inner_1RB_Right	23.60	/	/	17.65	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	22.96	/	/	17.01	/	/	<=38.45	Pass
		Edge_1RB_Right	23.08	/	/	17.13	/	/	<=38.45	Pass
		Outer_Full	23.10	/	/	17.15	/	/	<=38.45	Pass
		Inner_Full	23.63	/	/	17.68	/	/	<=38.45	Pass
		Inner_1RB_Left	23.51	/	/	17.56	/	/	<=38.45	Pass
		Inner_1RB_Right	23.58	/	/	17.63	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.13	/	/	17.18	/	/	<=38.45	Pass
		Edge_1RB_Right	23.07	/	/	17.12	/	/	<=38.45	Pass
		Outer_Full	23.19	/	/	17.24	/	/	<=38.45	Pass
		Inner_Full	23.71	/	/	17.76	/	/	<=38.45	Pass
		Inner_1RB_Left	23.65	/	/	17.70	/	/	<=38.45	Pass
		Inner_1RB_Right	23.56	/	/	17.61	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	836.5	Edge_1RB_Left	22.88	/	/	16.93	/	/	<=38.45	Pass
		Edge_1RB_Right	22.82	/	/	16.87	/	/	<=38.45	Pass
		Outer_Full	22.79	/	/	16.84	/	/	<=38.45	Pass
		Inner_Full	23.79	/	/	17.84	/	/	<=38.45	Pass
		Inner_1RB_Left	24.01	/	/	18.06	/	/	<=38.45	Pass
		Inner_1RB_Right	23.62	/	/	17.67	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	22.69	/	/	16.74	/	/	<=38.45	Pass
		Edge_1RB_Right	22.83	/	/	16.88	/	/	<=38.45	Pass
		Outer_Full	22.68	/	/	16.73	/	/	<=38.45	Pass
		Inner_Full	23.65	/	/	17.70	/	/	<=38.45	Pass
		Inner_1RB_Left	23.85	/	/	17.90	/	/	<=38.45	Pass
		Inner_1RB_Right	23.88	/	/	17.93	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.98	/	/	17.03	/	/	<=38.45	Pass
		Edge_1RB_Right	22.98	/	/	17.03	/	/	<=38.45	Pass
		Outer_Full	22.71	/	/	16.76	/	/	<=38.45	Pass
		Inner_Full	23.76	/	/	17.81	/	/	<=38.45	Pass
		Inner_1RB_Left	24.06	/	/	18.11	/	/	<=38.45	Pass
		Inner_1RB_Right	24.05	/	/	18.10	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	836.5	Edge_1RB_Left	21.93	/	/	15.98	/	/	<=38.45	Pass
		Edge_1RB_Right	21.76	/	/	15.81	/	/	<=38.45	Pass
		Outer_Full	21.82	/	/	15.87	/	/	<=38.45	Pass
		Inner_Full	22.78	/	/	16.83	/	/	<=38.45	Pass
		Inner_1RB_Left	22.81	/	/	16.86	/	/	<=38.45	Pass
		Inner_1RB_Right	22.84	/	/	16.89	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	21.83	/	/	15.88	/	/	<=38.45	Pass
		Edge_1RB_Right	21.69	/	/	15.74	/	/	<=38.45	Pass
		Outer_Full	21.72	/	/	15.77	/	/	<=38.45	Pass
		Inner_Full	22.67	/	/	16.72	/	/	<=38.45	Pass
		Inner_1RB_Left	22.75	/	/	16.80	/	/	<=38.45	Pass
		Inner_1RB_Right	22.77	/	/	16.82	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.92	/	/	15.97	/	/	<=38.45	Pass
		Edge_1RB_Right	21.90	/	/	15.95	/	/	<=38.45	Pass
		Outer_Full	21.73	/	/	15.78	/	/	<=38.45	Pass
		Inner_Full	22.67	/	/	16.72	/	/	<=38.45	Pass
		Inner_1RB_Left	22.88	/	/	16.93	/	/	<=38.45	Pass
		Inner_1RB_Right	22.81	/	/	16.86	/	/	<=38.45	Pass

DFT-s-OFDM 64 QAM	836.5	Edge_1RB_Left	21.00	/	/	15.05	/	/	<=38.45	Pass
		Edge_1RB_Right	21.06	/	/	15.11	/	/	<=38.45	Pass
		Outer_Full	21.38	/	/	15.43	/	/	<=38.45	Pass
		Inner_Full	21.36	/	/	15.41	/	/	<=38.45	Pass
		Inner_1RB_Left	21.00	/	/	15.05	/	/	<=38.45	Pass
		Inner_1RB_Right	21.01	/	/	15.06	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	20.90	/	/	14.95	/	/	<=38.45	Pass
		Edge_1RB_Right	20.93	/	/	14.98	/	/	<=38.45	Pass
		Outer_Full	21.26	/	/	15.31	/	/	<=38.45	Pass
		Inner_Full	21.27	/	/	15.32	/	/	<=38.45	Pass
		Inner_1RB_Left	20.90	/	/	14.95	/	/	<=38.45	Pass
		Inner_1RB_Right	20.93	/	/	14.98	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.00	/	/	15.05	/	/	<=38.45	Pass
		Edge_1RB_Right	21.04	/	/	15.09	/	/	<=38.45	Pass
		Outer_Full	21.27	/	/	15.32	/	/	<=38.45	Pass
		Inner_Full	21.24	/	/	15.29	/	/	<=38.45	Pass
		Inner_1RB_Left	21.01	/	/	15.06	/	/	<=38.45	Pass
		Inner_1RB_Right	21.01	/	/	15.06	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	836.5	Edge_1RB_Left	19.19	/	/	13.24	/	/	<=38.45	Pass
		Edge_1RB_Right	19.22	/	/	13.27	/	/	<=38.45	Pass
		Outer_Full	19.30	/	/	13.35	/	/	<=38.45	Pass
		Inner_Full	19.29	/	/	13.34	/	/	<=38.45	Pass
		Inner_1RB_Left	19.20	/	/	13.25	/	/	<=38.45	Pass
		Inner_1RB_Right	19.21	/	/	13.26	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	19.08	/	/	13.13	/	/	<=38.45	Pass
		Edge_1RB_Right	19.15	/	/	13.20	/	/	<=38.45	Pass
		Outer_Full	19.19	/	/	13.24	/	/	<=38.45	Pass
		Inner_Full	19.18	/	/	13.23	/	/	<=38.45	Pass
		Inner_1RB_Left	19.10	/	/	13.15	/	/	<=38.45	Pass
		Inner_1RB_Right	18.98	/	/	13.03	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.21	/	/	13.26	/	/	<=38.45	Pass
		Edge_1RB_Right	19.28	/	/	13.33	/	/	<=38.45	Pass
		Outer_Full	19.22	/	/	13.27	/	/	<=38.45	Pass
		Inner_Full	19.21	/	/	13.26	/	/	<=38.45	Pass
		Inner_1RB_Left	19.17	/	/	13.22	/	/	<=38.45	Pass
		Inner_1RB_Right	19.23	/	/	13.28	/	/	<=38.45	Pass
CP-OFDM QPSK	836.5	Edge_1RB_Left	20.75	/	/	14.80	/	/	<=38.45	Pass
		Edge_1RB_Right	20.78	/	/	14.83	/	/	<=38.45	Pass
		Outer_Full	20.86	/	/	14.91	/	/	<=38.45	Pass
		Inner_Full	22.25	/	/	16.30	/	/	<=38.45	Pass
		Inner_1RB_Left	22.30	/	/	16.35	/	/	<=38.45	Pass
		Inner_1RB_Right	21.99	/	/	16.04	/	/	<=38.45	Pass
	831.5	Edge_1RB_Left	20.70	/	/	14.75	/	/	<=38.45	Pass
		Edge_1RB_Right	20.77	/	/	14.82	/	/	<=38.45	Pass
		Outer_Full	20.71	/	/	14.76	/	/	<=38.45	Pass
		Inner_Full	22.14	/	/	16.19	/	/	<=38.45	Pass
		Inner_1RB_Left	22.24	/	/	16.29	/	/	<=38.45	Pass
		Inner_1RB_Right	22.08	/	/	16.13	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	20.74	/	/	14.79	/	/	<=38.45	Pass
		Edge_1RB_Right	20.82	/	/	14.87	/	/	<=38.45	Pass
		Outer_Full	20.79	/	/	14.84	/	/	<=38.45	Pass
		Inner_Full	22.19	/	/	16.24	/	/	<=38.45	Pass
		Inner_1RB_Left	22.47	/	/	16.52	/	/	<=38.45	Pass
		Inner_1RB_Right	22.28	/	/	16.33	/	/	<=38.45	Pass
CP-OFDM 16 QAM	836.5	Edge_1RB_Left	21.01	/	/	15.06	/	/	<=38.45	Pass
		Edge_1RB_Right	21.01	/	/	15.06	/	/	<=38.45	Pass
		Outer_Full	20.86	/	/	14.91	/	/	<=38.45	Pass
		Inner_Full	21.87	/	/	15.92	/	/	<=38.45	Pass
		Inner_1RB_Left	22.01	/	/	16.06	/	/	<=38.45	Pass

		831.5	Inner 1RB Right	21.95	/	/	16.00	/	/	<=38.45	Pass
			Edge 1RB Left	20.89	/	/	14.94	/	/	<=38.45	Pass
			Edge 1RB Right	20.95	/	/	15.00	/	/	<=38.45	Pass
			Outer_Full	20.73	/	/	14.78	/	/	<=38.45	Pass
			Inner_Full	21.78	/	/	15.83	/	/	<=38.45	Pass
			Inner 1RB Left	21.88	/	/	15.93	/	/	<=38.45	Pass
			Inner 1RB Right	21.79	/	/	15.84	/	/	<=38.45	Pass
		841.5	Edge 1RB Left	20.96	/	/	15.01	/	/	<=38.45	Pass
			Edge 1RB Right	20.80	/	/	14.85	/	/	<=38.45	Pass
			Outer_Full	20.77	/	/	14.82	/	/	<=38.45	Pass
			Inner_Full	21.74	/	/	15.79	/	/	<=38.45	Pass
			Inner 1RB Left	21.95	/	/	16.00	/	/	<=38.45	Pass
			Inner 1RB Right	21.74	/	/	15.79	/	/	<=38.45	Pass
CP-OFDM 64 QAM	836.5	Edge 1RB Left	20.09	/	/	14.14	/	/	<=38.45	Pass	
		Edge 1RB Right	20.16	/	/	14.21	/	/	<=38.45	Pass	
		Outer_Full	20.37	/	/	14.42	/	/	<=38.45	Pass	
		Inner_Full	20.32	/	/	14.37	/	/	<=38.45	Pass	
		Inner 1RB Left	20.11	/	/	14.16	/	/	<=38.45	Pass	
		Inner 1RB Right	20.08	/	/	14.13	/	/	<=38.45	Pass	
	831.5	Edge 1RB Left	20.01	/	/	14.06	/	/	<=38.45	Pass	
		Edge 1RB Right	20.09	/	/	14.14	/	/	<=38.45	Pass	
		Outer_Full	20.20	/	/	14.25	/	/	<=38.45	Pass	
		Inner_Full	20.26	/	/	14.31	/	/	<=38.45	Pass	
		Inner 1RB Left	20.06	/	/	14.11	/	/	<=38.45	Pass	
		Inner 1RB Right	20.01	/	/	14.06	/	/	<=38.45	Pass	
	841.5	Edge 1RB Left	20.07	/	/	14.12	/	/	<=38.45	Pass	
		Edge 1RB Right	20.00	/	/	14.05	/	/	<=38.45	Pass	
		Outer_Full	20.23	/	/	14.28	/	/	<=38.45	Pass	
		Inner_Full	20.26	/	/	14.31	/	/	<=38.45	Pass	
		Inner 1RB Left	20.09	/	/	14.14	/	/	<=38.45	Pass	
		Inner 1RB Right	19.92	/	/	13.97	/	/	<=38.45	Pass	
CP-OFDM 256 QAM	836.5	Edge 1RB Left	17.26	/	/	11.31	/	/	<=38.45	Pass	
		Edge 1RB Right	17.27	/	/	11.32	/	/	<=38.45	Pass	
		Outer_Full	17.27	/	/	11.32	/	/	<=38.45	Pass	
		Inner_Full	17.25	/	/	11.30	/	/	<=38.45	Pass	
		Inner 1RB Left	17.27	/	/	11.32	/	/	<=38.45	Pass	
		Inner 1RB Right	17.24	/	/	11.29	/	/	<=38.45	Pass	
	831.5	Edge 1RB Left	17.20	/	/	11.25	/	/	<=38.45	Pass	
		Edge 1RB Right	17.28	/	/	11.33	/	/	<=38.45	Pass	
		Outer_Full	17.19	/	/	11.24	/	/	<=38.45	Pass	
		Inner_Full	17.19	/	/	11.24	/	/	<=38.45	Pass	
		Inner 1RB Left	17.22	/	/	11.27	/	/	<=38.45	Pass	
		Inner 1RB Right	17.21	/	/	11.26	/	/	<=38.45	Pass	
	841.5	Edge 1RB Left	17.22	/	/	11.27	/	/	<=38.45	Pass	
		Edge 1RB Right	17.26	/	/	11.31	/	/	<=38.45	Pass	
		Outer_Full	17.20	/	/	11.25	/	/	<=38.45	Pass	
Inner_Full		17.24	/	/	11.29	/	/	<=38.45	Pass		
Inner 1RB Left		17.27	/	/	11.32	/	/	<=38.45	Pass		
Inner 1RB Right	17.11	/	/	11.16	/	/	<=38.45	Pass			
Note1: Antenna Gain: Ant0: -3.80dBi; 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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Edge_1RB_Left	23.04	/	/	17.09	/	/	<=38.45	Pass
		Edge_1RB_Right	23.10	/	/	17.15	/	/	<=38.45	Pass
		Outer_Full	23.25	/	/	17.30	/	/	<=38.45	Pass
		Inner_Full	23.80	/	/	17.85	/	/	<=38.45	Pass
		Inner_1RB_Left	23.56	/	/	17.61	/	/	<=38.45	Pass
		Inner_1RB_Right	23.61	/	/	17.66	/	/	<=38.45	Pass
	834	Edge_1RB_Left	22.93	/	/	16.98	/	/	<=38.45	Pass
		Edge_1RB_Right	23.01	/	/	17.06	/	/	<=38.45	Pass
		Outer_Full	23.11	/	/	17.16	/	/	<=38.45	Pass
		Inner_Full	23.72	/	/	17.77	/	/	<=38.45	Pass
		Inner_1RB_Left	23.45	/	/	17.50	/	/	<=38.45	Pass
		Inner_1RB_Right	23.55	/	/	17.60	/	/	<=38.45	Pass
	839	Edge_1RB_Left	23.00	/	/	17.05	/	/	<=38.45	Pass
		Edge_1RB_Right	23.05	/	/	17.10	/	/	<=38.45	Pass
		Outer_Full	23.28	/	/	17.33	/	/	<=38.45	Pass
		Inner_Full	23.77	/	/	17.82	/	/	<=38.45	Pass
		Inner_1RB_Left	23.49	/	/	17.54	/	/	<=38.45	Pass
		Inner_1RB_Right	23.57	/	/	17.62	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	836.5	Edge_1RB_Left	22.77	/	/	16.82	/	/	<=38.45	Pass
		Edge_1RB_Right	22.88	/	/	16.93	/	/	<=38.45	Pass
		Outer_Full	22.76	/	/	16.81	/	/	<=38.45	Pass
		Inner_Full	23.77	/	/	17.82	/	/	<=38.45	Pass
		Inner_1RB_Left	23.88	/	/	17.93	/	/	<=38.45	Pass
		Inner_1RB_Right	23.90	/	/	17.95	/	/	<=38.45	Pass
	834	Edge_1RB_Left	22.56	/	/	16.61	/	/	<=38.45	Pass
		Edge_1RB_Right	22.64	/	/	16.69	/	/	<=38.45	Pass
		Outer_Full	22.66	/	/	16.71	/	/	<=38.45	Pass
		Inner_Full	23.66	/	/	17.71	/	/	<=38.45	Pass
		Inner_1RB_Left	23.79	/	/	17.84	/	/	<=38.45	Pass
		Inner_1RB_Right	23.75	/	/	17.80	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.72	/	/	16.77	/	/	<=38.45	Pass
		Edge_1RB_Right	22.96	/	/	17.01	/	/	<=38.45	Pass
		Outer_Full	22.75	/	/	16.80	/	/	<=38.45	Pass
		Inner_Full	23.75	/	/	17.80	/	/	<=38.45	Pass
		Inner_1RB_Left	23.85	/	/	17.90	/	/	<=38.45	Pass
		Inner_1RB_Right	23.98	/	/	18.03	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	836.5	Edge_1RB_Left	21.88	/	/	15.93	/	/	<=38.45	Pass
		Edge_1RB_Right	21.88	/	/	15.93	/	/	<=38.45	Pass
		Outer_Full	21.85	/	/	15.90	/	/	<=38.45	Pass
		Inner_Full	22.84	/	/	16.89	/	/	<=38.45	Pass
		Inner_1RB_Left	22.80	/	/	16.85	/	/	<=38.45	Pass
		Inner_1RB_Right	22.84	/	/	16.89	/	/	<=38.45	Pass
	834	Edge_1RB_Left	21.78	/	/	15.83	/	/	<=38.45	Pass
		Edge_1RB_Right	21.88	/	/	15.93	/	/	<=38.45	Pass
		Outer_Full	21.73	/	/	15.78	/	/	<=38.45	Pass
		Inner_Full	22.78	/	/	16.83	/	/	<=38.45	Pass
		Inner_1RB_Left	22.69	/	/	16.74	/	/	<=38.45	Pass
		Inner_1RB_Right	22.76	/	/	16.81	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.88	/	/	15.93	/	/	<=38.45	Pass
		Edge_1RB_Right	21.92	/	/	15.97	/	/	<=38.45	Pass
		Outer_Full	21.81	/	/	15.86	/	/	<=38.45	Pass
		Inner_Full	22.81	/	/	16.86	/	/	<=38.45	Pass
		Inner_1RB_Left	22.76	/	/	16.81	/	/	<=38.45	Pass
		Inner_1RB_Right	22.85	/	/	16.90	/	/	<=38.45	Pass

DFT-s-OFDM 64 QAM	836.5	Edge_1RB_Left	20.99	/	/	15.04	/	/	<=38.45	Pass
		Edge_1RB_Right	21.02	/	/	15.07	/	/	<=38.45	Pass
		Outer_Full	21.37	/	/	15.42	/	/	<=38.45	Pass
		Inner_Full	21.37	/	/	15.42	/	/	<=38.45	Pass
		Inner_1RB_Left	20.97	/	/	15.02	/	/	<=38.45	Pass
		Inner_1RB_Right	21.02	/	/	15.07	/	/	<=38.45	Pass
	834	Edge_1RB_Left	20.86	/	/	14.91	/	/	<=38.45	Pass
		Edge_1RB_Right	20.98	/	/	15.03	/	/	<=38.45	Pass
		Outer_Full	21.25	/	/	15.30	/	/	<=38.45	Pass
		Inner_Full	21.29	/	/	15.34	/	/	<=38.45	Pass
		Inner_1RB_Left	20.88	/	/	14.93	/	/	<=38.45	Pass
		Inner_1RB_Right	20.94	/	/	14.99	/	/	<=38.45	Pass
	839	Edge_1RB_Left	20.97	/	/	15.02	/	/	<=38.45	Pass
		Edge_1RB_Right	21.05	/	/	15.10	/	/	<=38.45	Pass
		Outer_Full	21.36	/	/	15.41	/	/	<=38.45	Pass
		Inner_Full	21.33	/	/	15.38	/	/	<=38.45	Pass
		Inner_1RB_Left	21.00	/	/	15.05	/	/	<=38.45	Pass
		Inner_1RB_Right	21.02	/	/	15.07	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	836.5	Edge_1RB_Left	19.12	/	/	13.17	/	/	<=38.45	Pass
		Edge_1RB_Right	19.16	/	/	13.21	/	/	<=38.45	Pass
		Outer_Full	19.29	/	/	13.34	/	/	<=38.45	Pass
		Inner_Full	19.29	/	/	13.34	/	/	<=38.45	Pass
		Inner_1RB_Left	19.11	/	/	13.16	/	/	<=38.45	Pass
		Inner_1RB_Right	19.17	/	/	13.22	/	/	<=38.45	Pass
	834	Edge_1RB_Left	19.03	/	/	13.08	/	/	<=38.45	Pass
		Edge_1RB_Right	19.08	/	/	13.13	/	/	<=38.45	Pass
		Outer_Full	19.16	/	/	13.21	/	/	<=38.45	Pass
		Inner_Full	19.18	/	/	13.23	/	/	<=38.45	Pass
		Inner_1RB_Left	19.02	/	/	13.07	/	/	<=38.45	Pass
		Inner_1RB_Right	19.11	/	/	13.16	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.14	/	/	13.19	/	/	<=38.45	Pass
		Edge_1RB_Right	19.24	/	/	13.29	/	/	<=38.45	Pass
		Outer_Full	19.27	/	/	13.32	/	/	<=38.45	Pass
		Inner_Full	19.29	/	/	13.34	/	/	<=38.45	Pass
		Inner_1RB_Left	19.14	/	/	13.19	/	/	<=38.45	Pass
		Inner_1RB_Right	19.21	/	/	13.26	/	/	<=38.45	Pass
CP-OFDM QPSK	836.5	Edge_1RB_Left	20.63	/	/	14.68	/	/	<=38.45	Pass
		Edge_1RB_Right	20.69	/	/	14.74	/	/	<=38.45	Pass
		Outer_Full	20.79	/	/	14.84	/	/	<=38.45	Pass
		Inner_Full	22.25	/	/	16.30	/	/	<=38.45	Pass
		Inner_1RB_Left	22.23	/	/	16.28	/	/	<=38.45	Pass
		Inner_1RB_Right	22.25	/	/	16.30	/	/	<=38.45	Pass
	834	Edge_1RB_Left	20.57	/	/	14.62	/	/	<=38.45	Pass
		Edge_1RB_Right	20.64	/	/	14.69	/	/	<=38.45	Pass
		Outer_Full	20.66	/	/	14.71	/	/	<=38.45	Pass
		Inner_Full	22.17	/	/	16.22	/	/	<=38.45	Pass
		Inner_1RB_Left	22.12	/	/	16.17	/	/	<=38.45	Pass
		Inner_1RB_Right	22.08	/	/	16.13	/	/	<=38.45	Pass
	839	Edge_1RB_Left	20.67	/	/	14.72	/	/	<=38.45	Pass
		Edge_1RB_Right	20.71	/	/	14.76	/	/	<=38.45	Pass
		Outer_Full	20.79	/	/	14.84	/	/	<=38.45	Pass
		Inner_Full	22.22	/	/	16.27	/	/	<=38.45	Pass
		Inner_1RB_Left	22.17	/	/	16.22	/	/	<=38.45	Pass
		Inner_1RB_Right	22.39	/	/	16.44	/	/	<=38.45	Pass
CP-OFDM 16 QAM	836.5	Edge_1RB_Left	20.93	/	/	14.98	/	/	<=38.45	Pass
		Edge_1RB_Right	20.98	/	/	15.03	/	/	<=38.45	Pass
		Outer_Full	20.84	/	/	14.89	/	/	<=38.45	Pass
		Inner_Full	21.80	/	/	15.85	/	/	<=38.45	Pass
		Inner_1RB_Left	21.94	/	/	15.99	/	/	<=38.45	Pass

Note1: Antenna Gain: Ant0: -3.80dBi;
Note2: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_20MHz

5G NR n5 SCS=15kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
				HV	-9.90	-0.0118	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0068	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0075	>=-2.5 & <=2.5	Pass
50	NV	-8.30	-0.0099	>=-2.5 & <=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 NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	836.5	Outer_Full	4.56	5.04	/	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	4.53	4.98	/	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	4.54	4.99	/	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	4.56	5.00	/	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	4.54	4.99	/	Pass
CP-OFDM QPSK	836.5	Outer_Full	4.55	6.08	/	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	4.56	5.70	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	4.55	5.53	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	4.53	5.00	/	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	836.5	Outer_Full	9.07	9.71	/	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	9.06	9.72	/	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	9.10	9.79	/	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	9.09	9.73	/	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	9.01	9.69	/	Pass
CP-OFDM QPSK	836.5	Outer_Full	9.44	11.94	/	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	9.40	12.26	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	9.43	10.39	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	9.38	10.04	/	Pass

3.1.3 15k_SISO_15MHz_NTNV

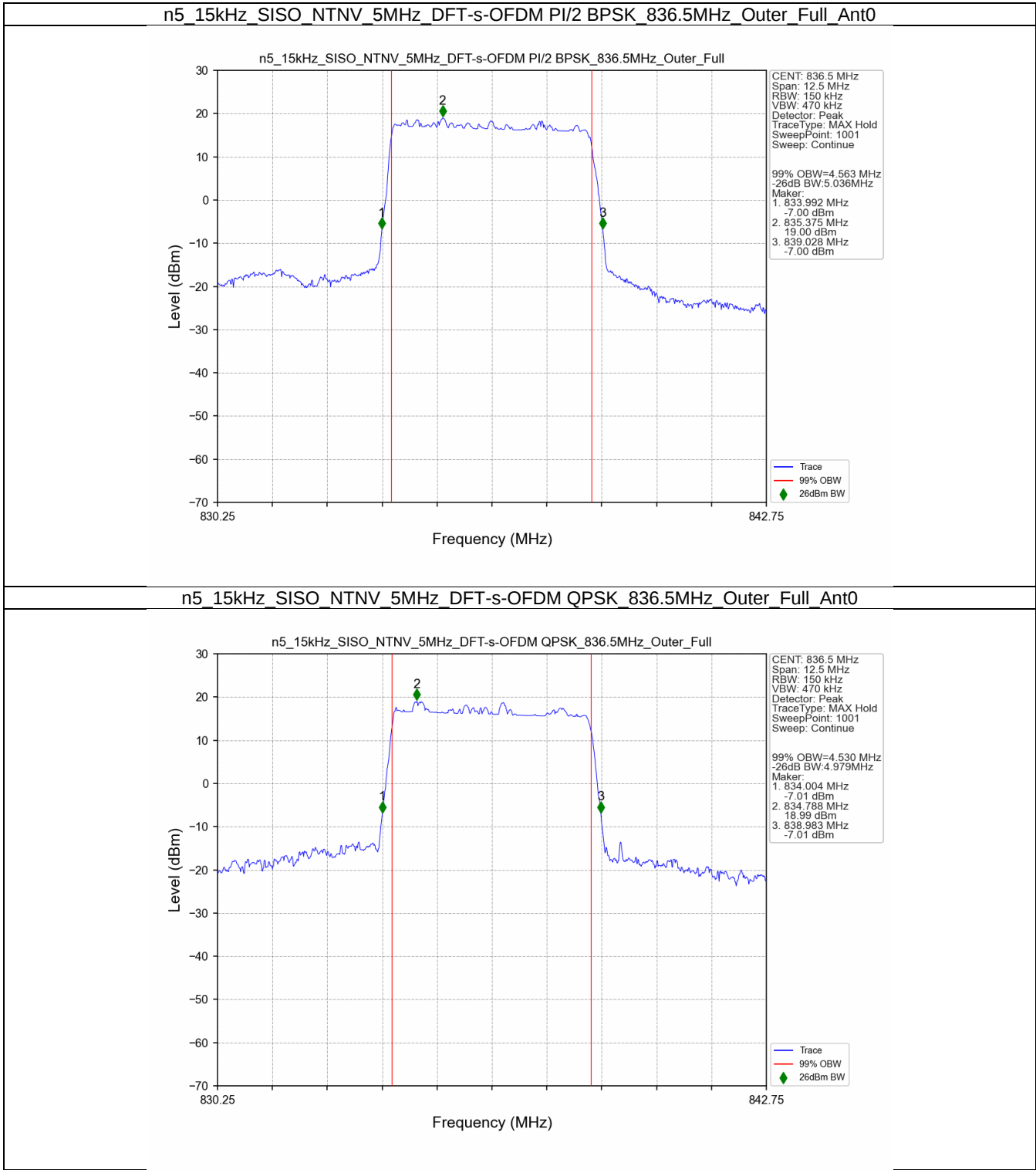
5G NR n5 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	836.5	Outer_Full	13.67	14.57	/	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	13.62	14.60	/	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	13.60	14.60	/	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	13.61	14.61	/	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	13.58	14.58	/	Pass
CP-OFDM QPSK	836.5	Outer_Full	14.29	16.57	/	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	14.34	16.12	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	14.34	15.70	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	14.30	15.28	/	Pass

3.1.4 15k_SISO_20MHz_NTNV

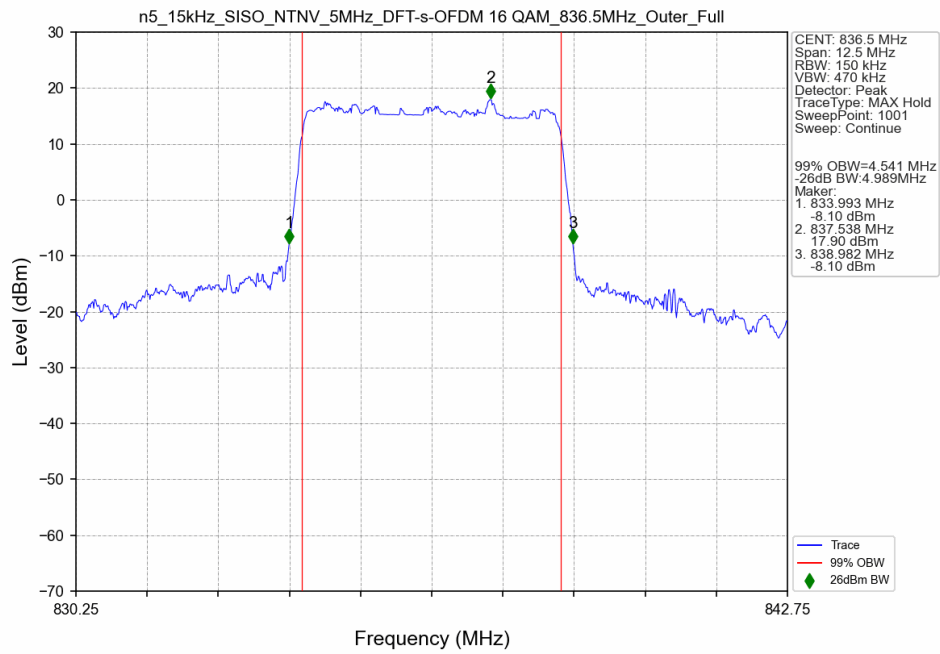
5G NR n5 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	836.5	Outer_Full	18.16	19.43	/	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	18.13	19.48	/	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	18.11	19.43	/	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	18.14	19.45	/	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	18.05	19.42	/	Pass
CP-OFDM QPSK	836.5	Outer_Full	19.19	26.00	/	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	19.14	21.63	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	19.18	21.70	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	19.09	20.48	/	Pass

3.2 Test Graph

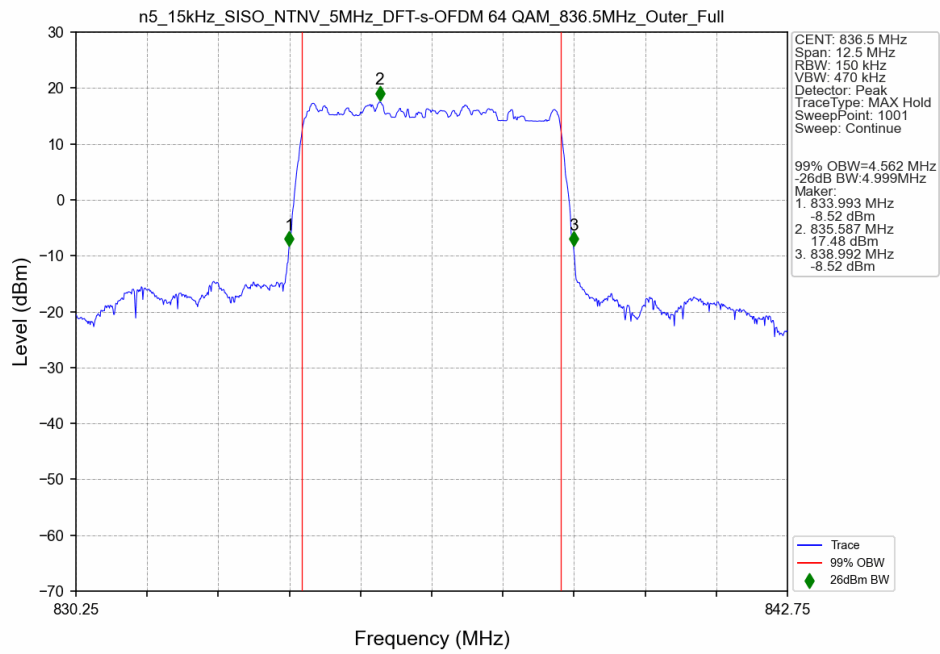
3.2.1 15k_SISO_5MHz_NTNV



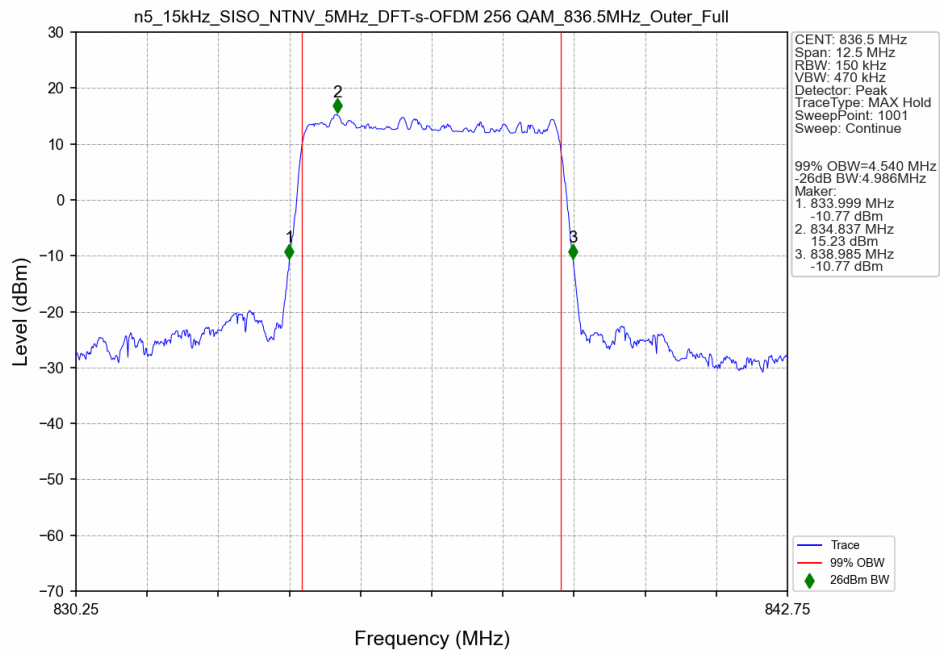
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant0



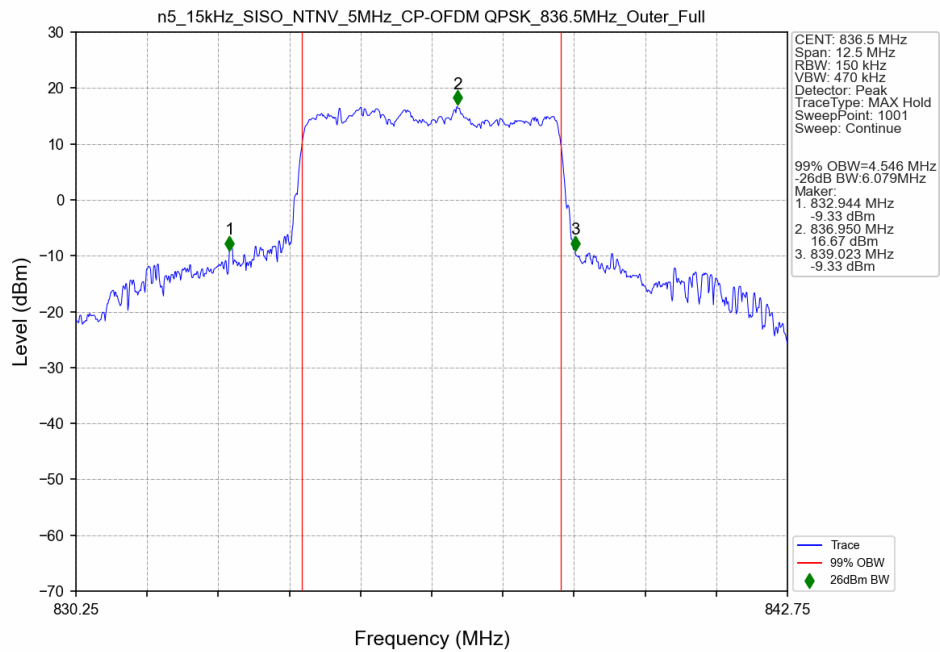
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant0



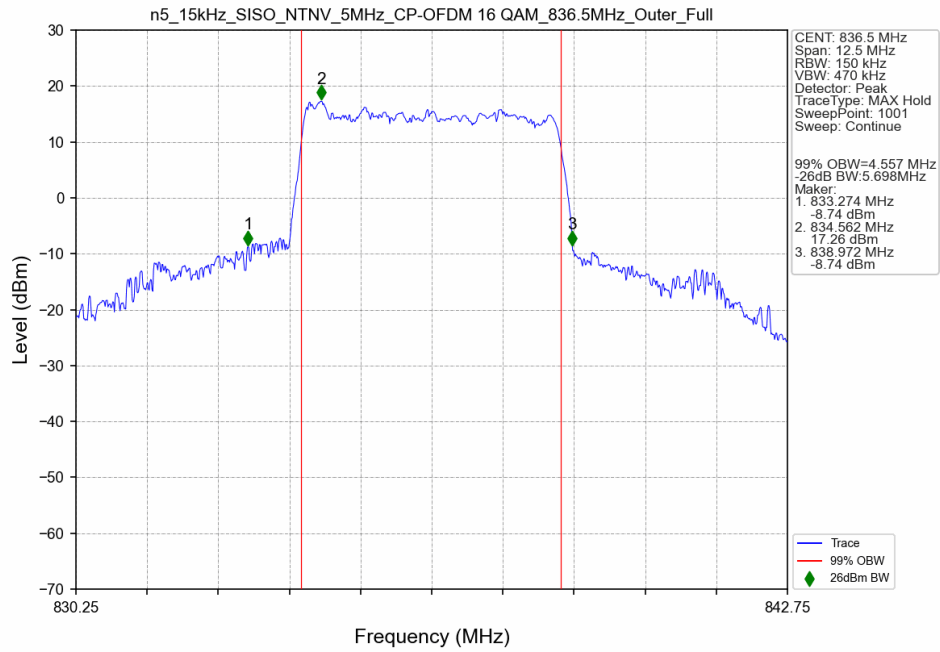
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



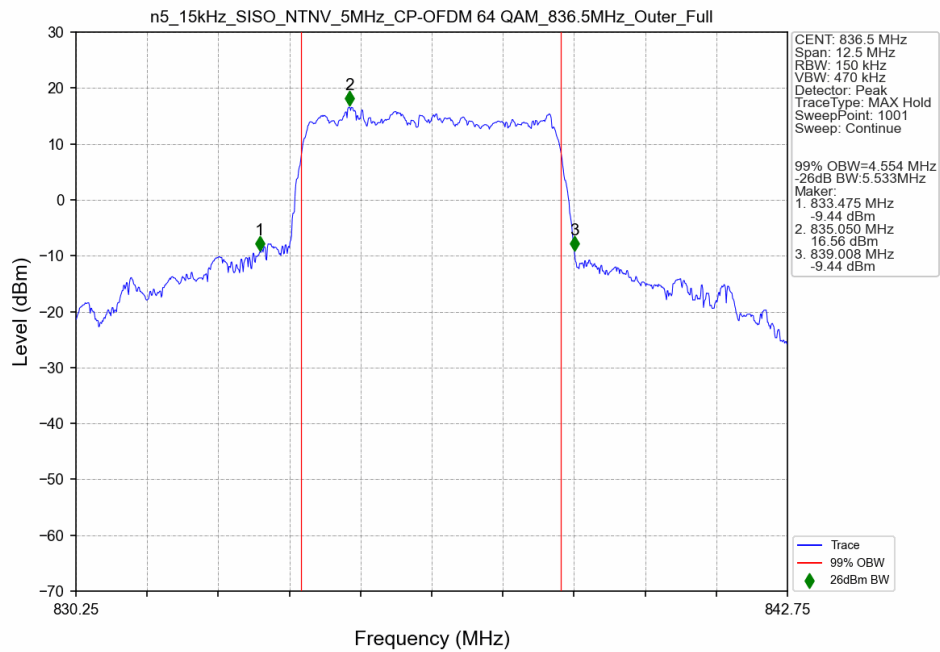
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant0



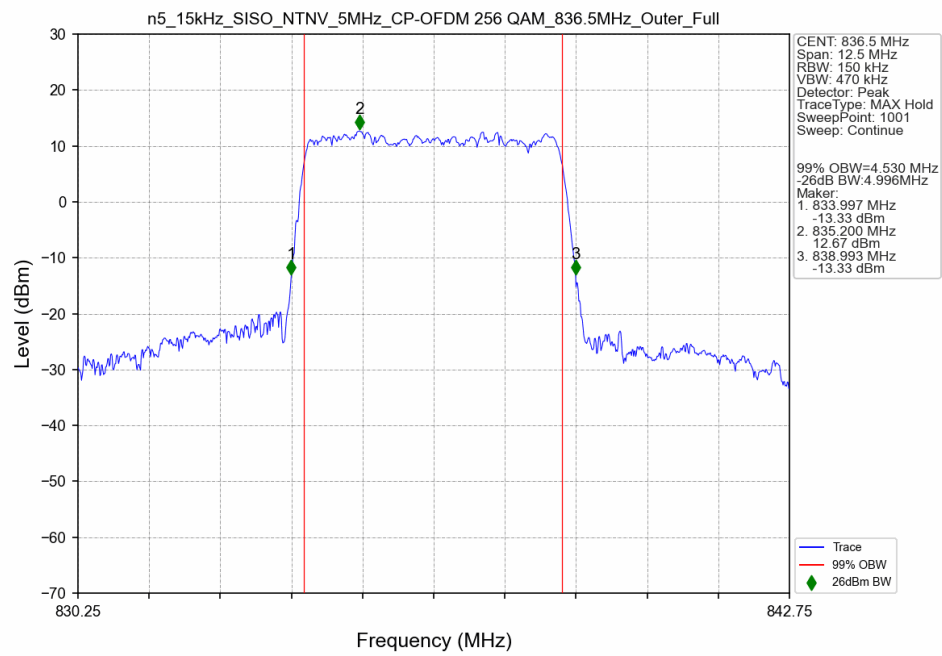
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 836.5MHz Outer Full Ant0



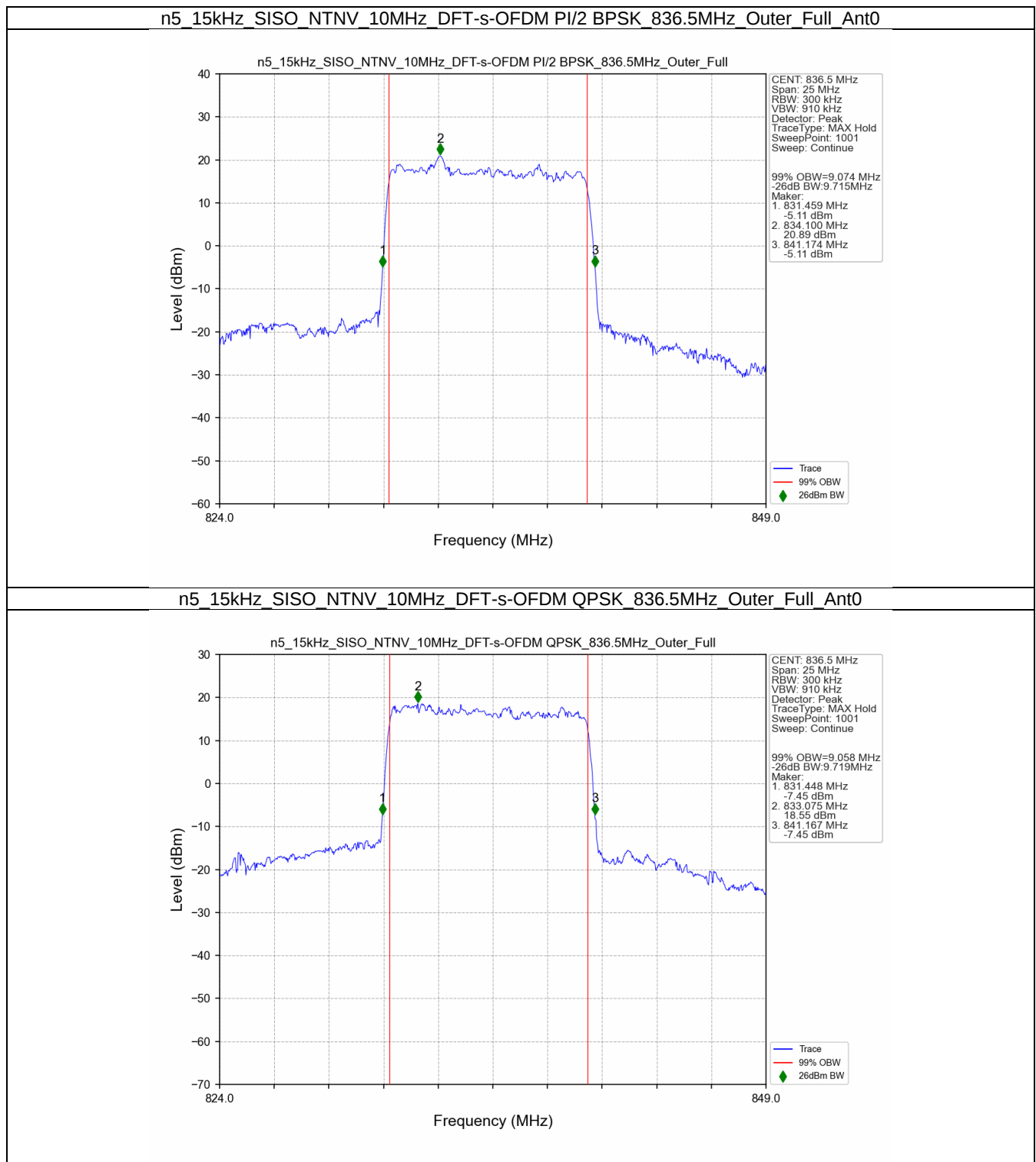
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 836.5MHz Outer Full Ant0



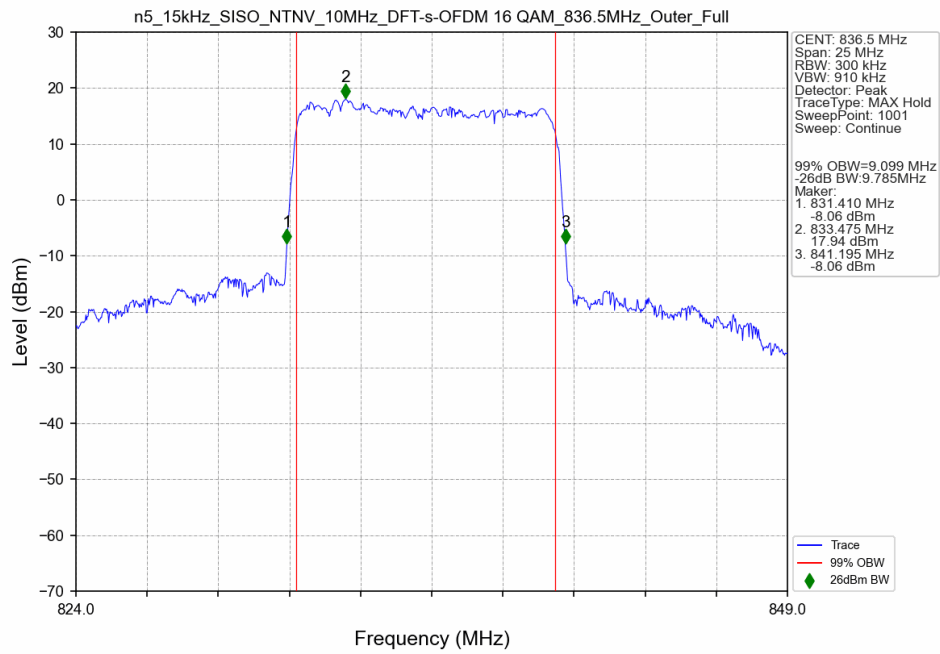
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



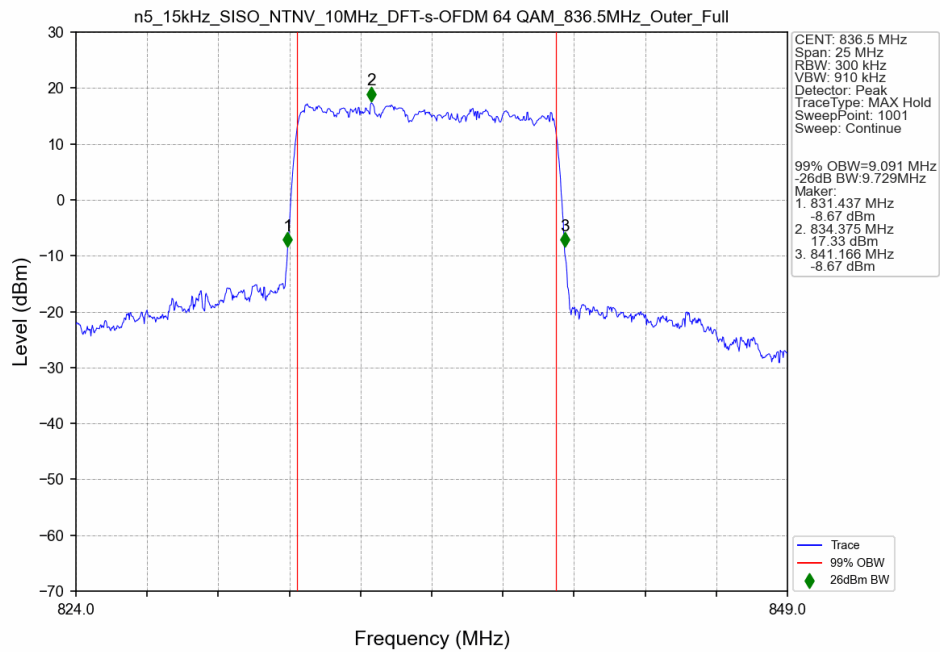
3.2.2 15k_SISO_10MHz_NTNV



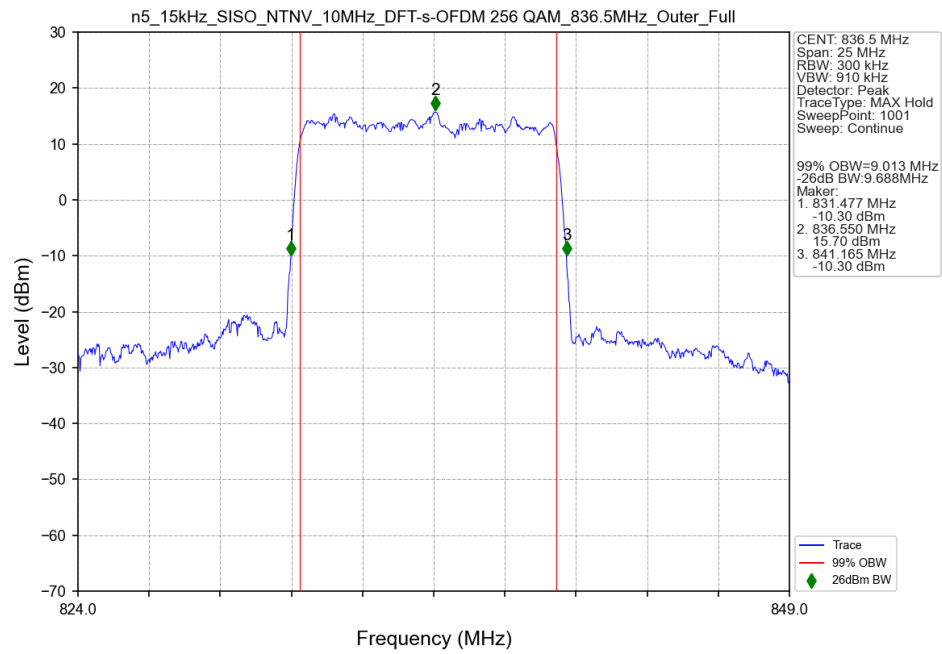
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant0



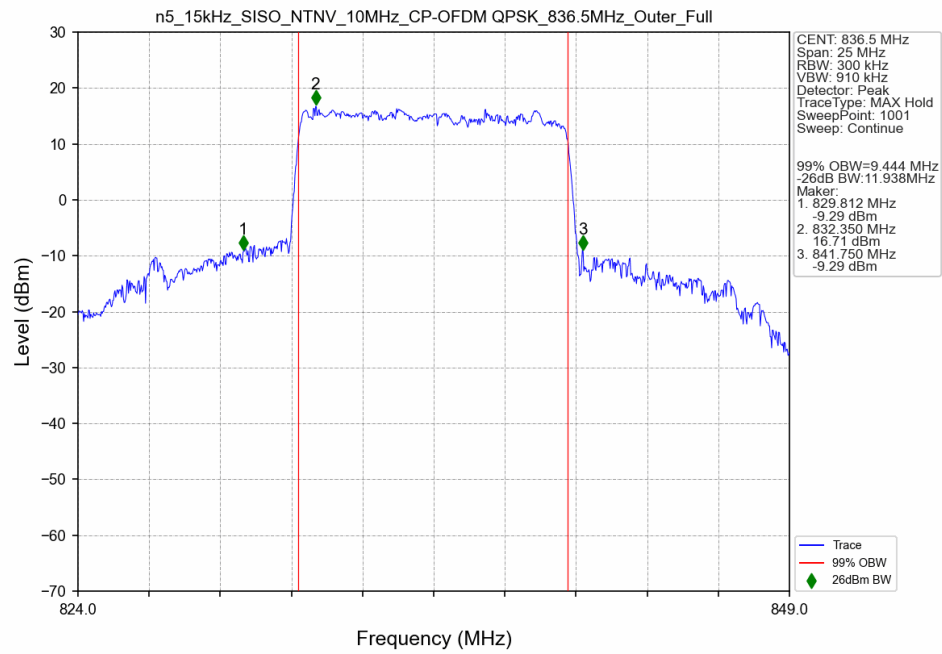
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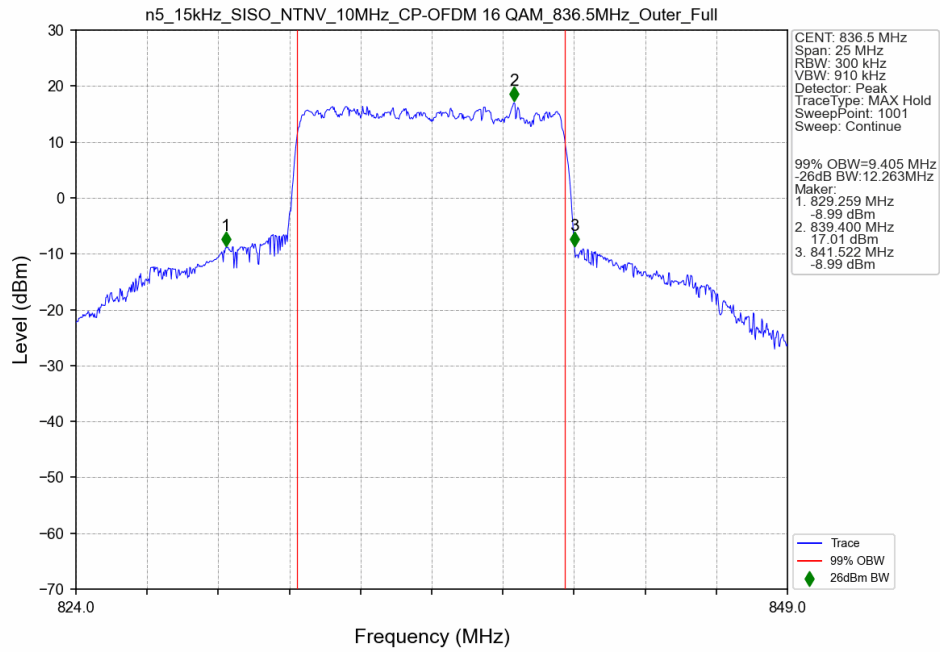
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



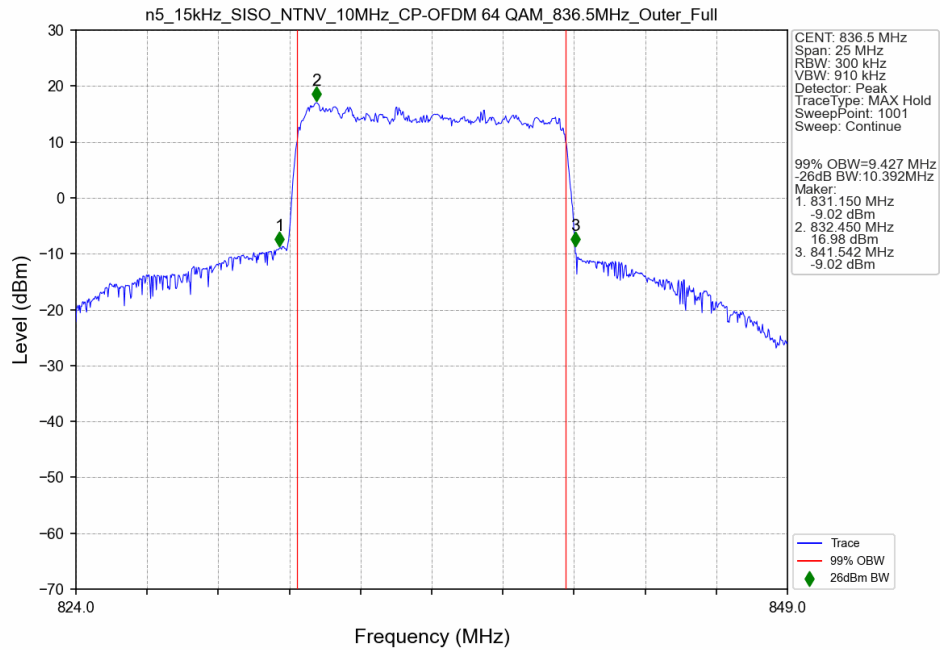
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant0



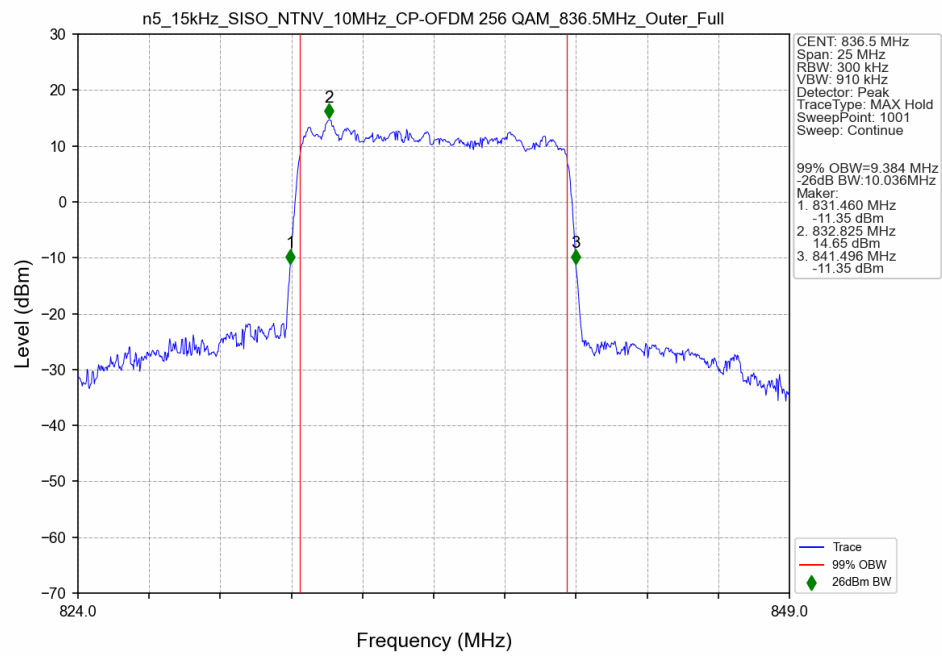
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 836.5MHz Outer Full Ant0



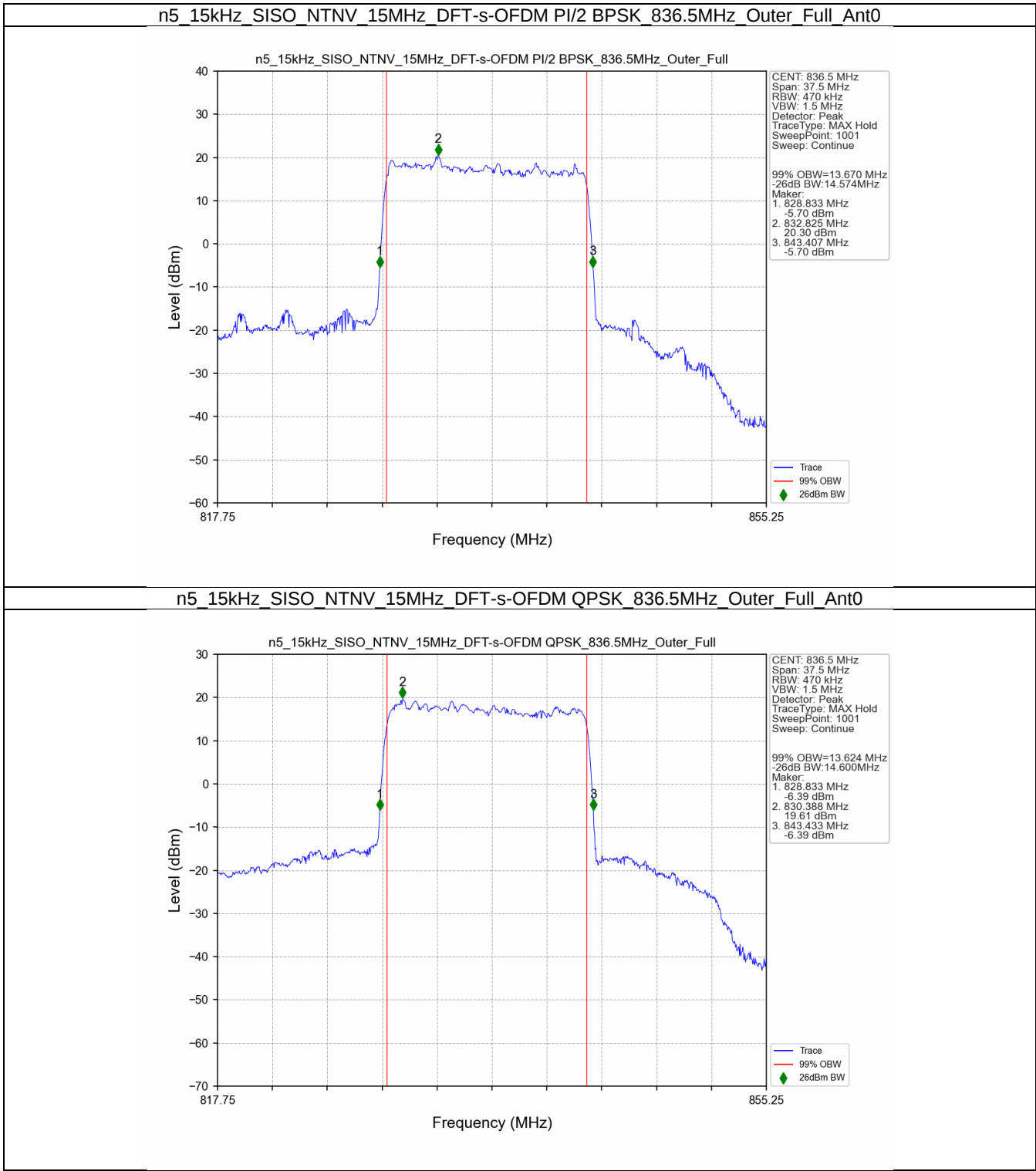
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 836.5MHz Outer Full Ant0



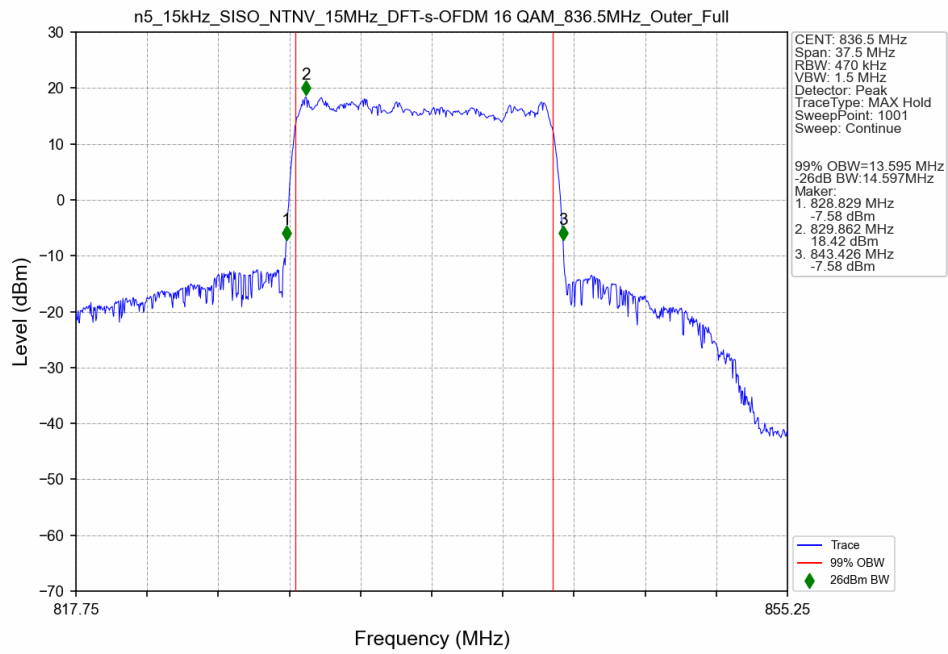
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



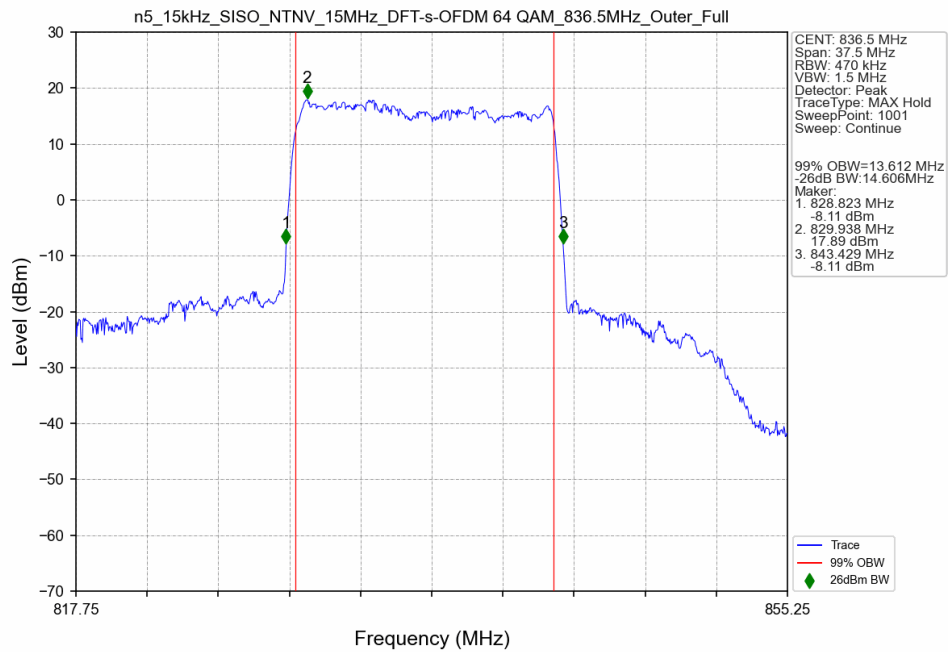
3.2.3 15k_SISO_15MHz_NTNV



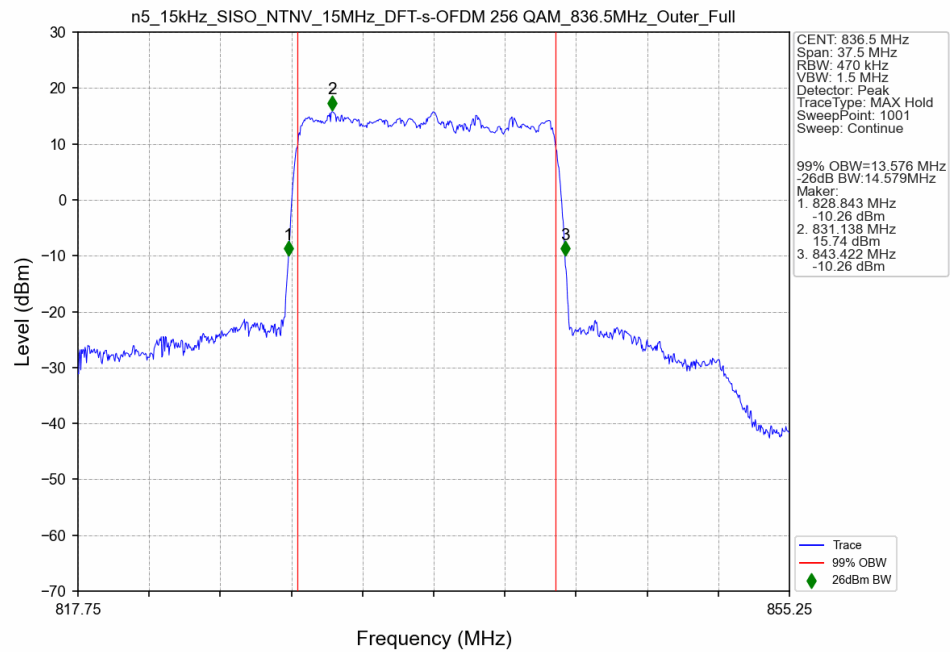
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant0



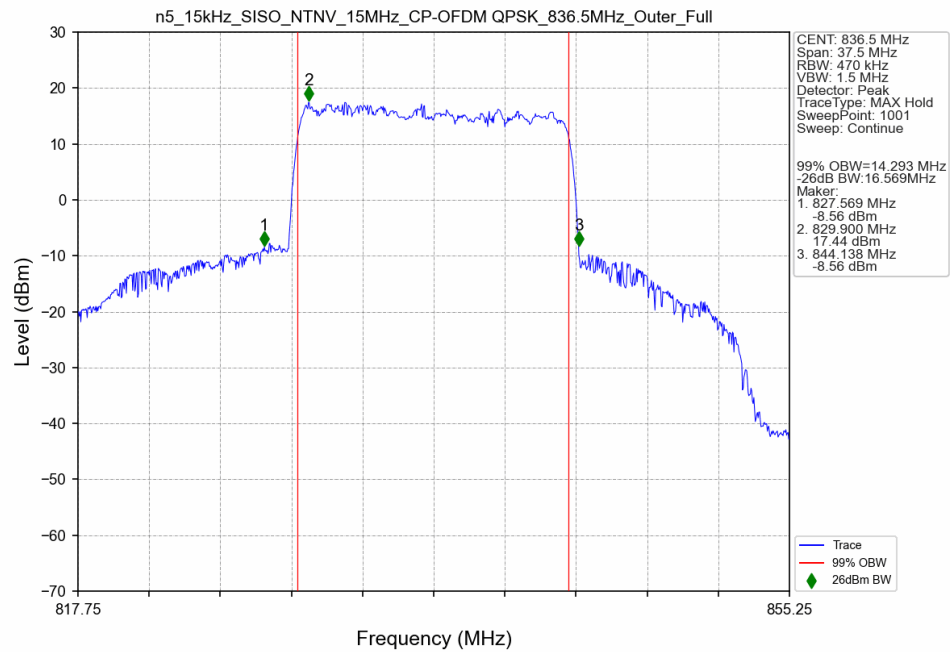
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant0



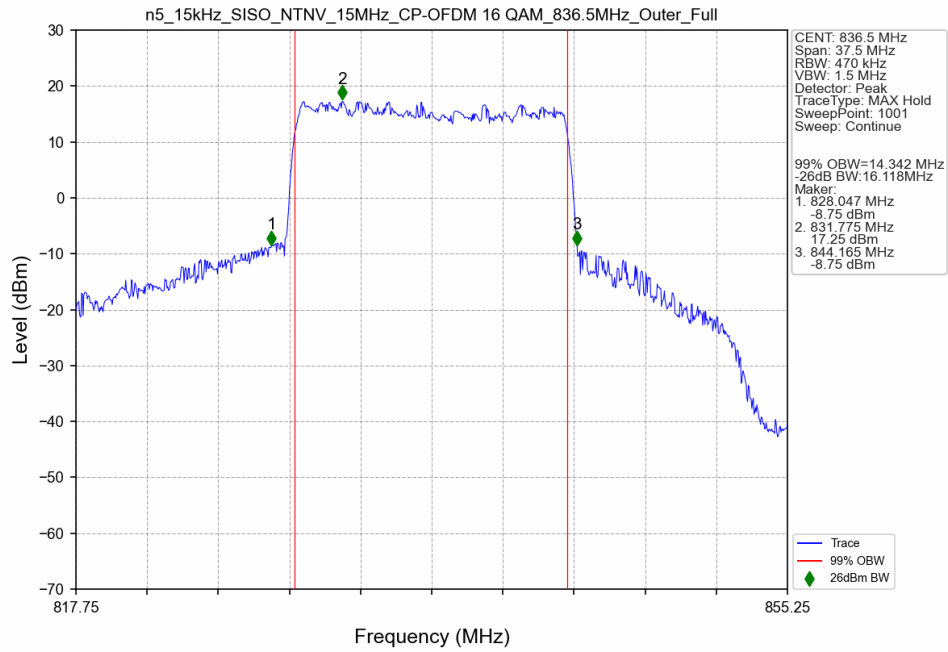
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



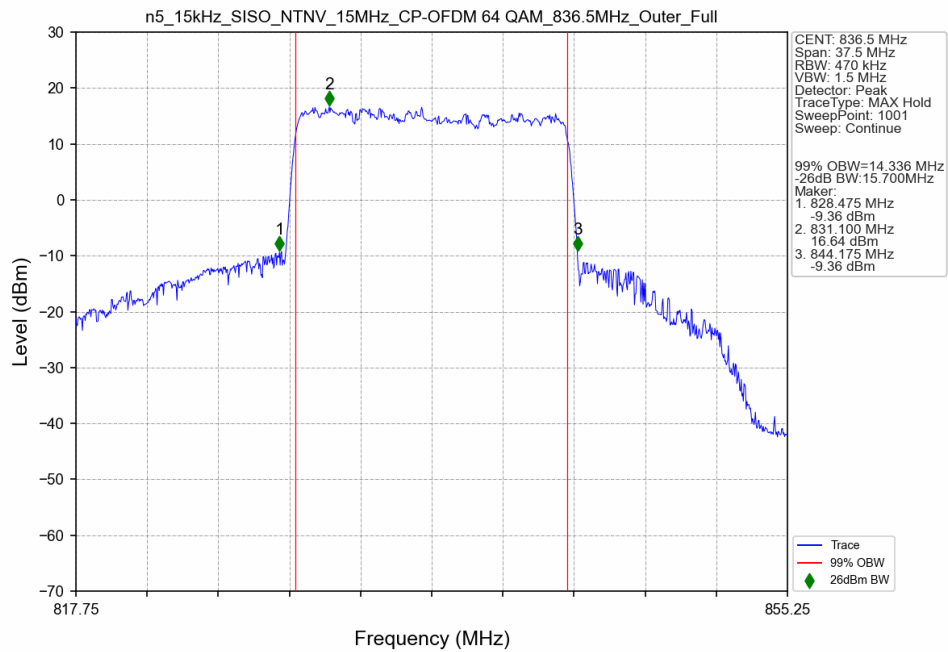
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant0



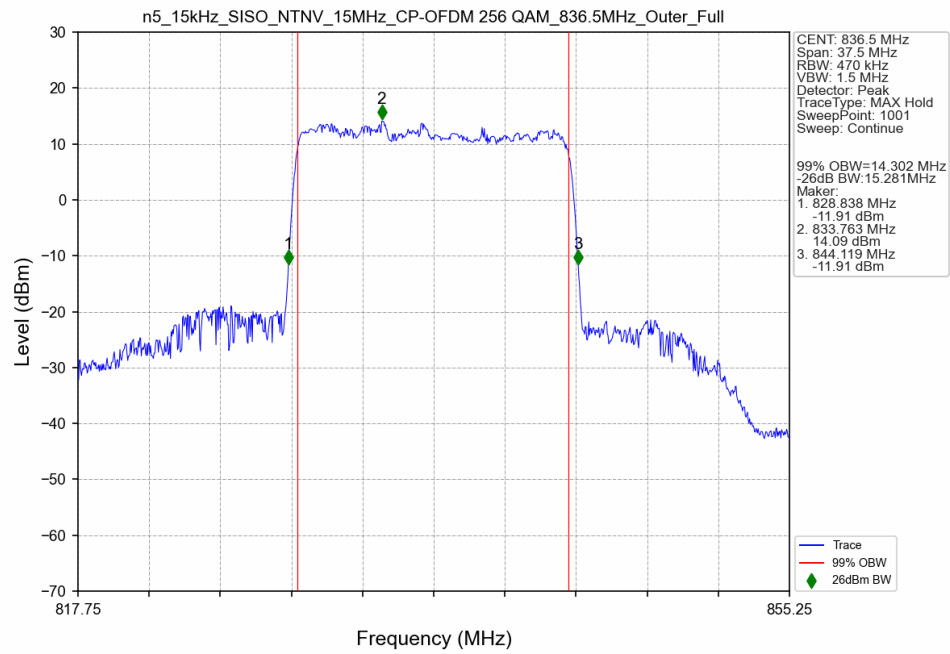
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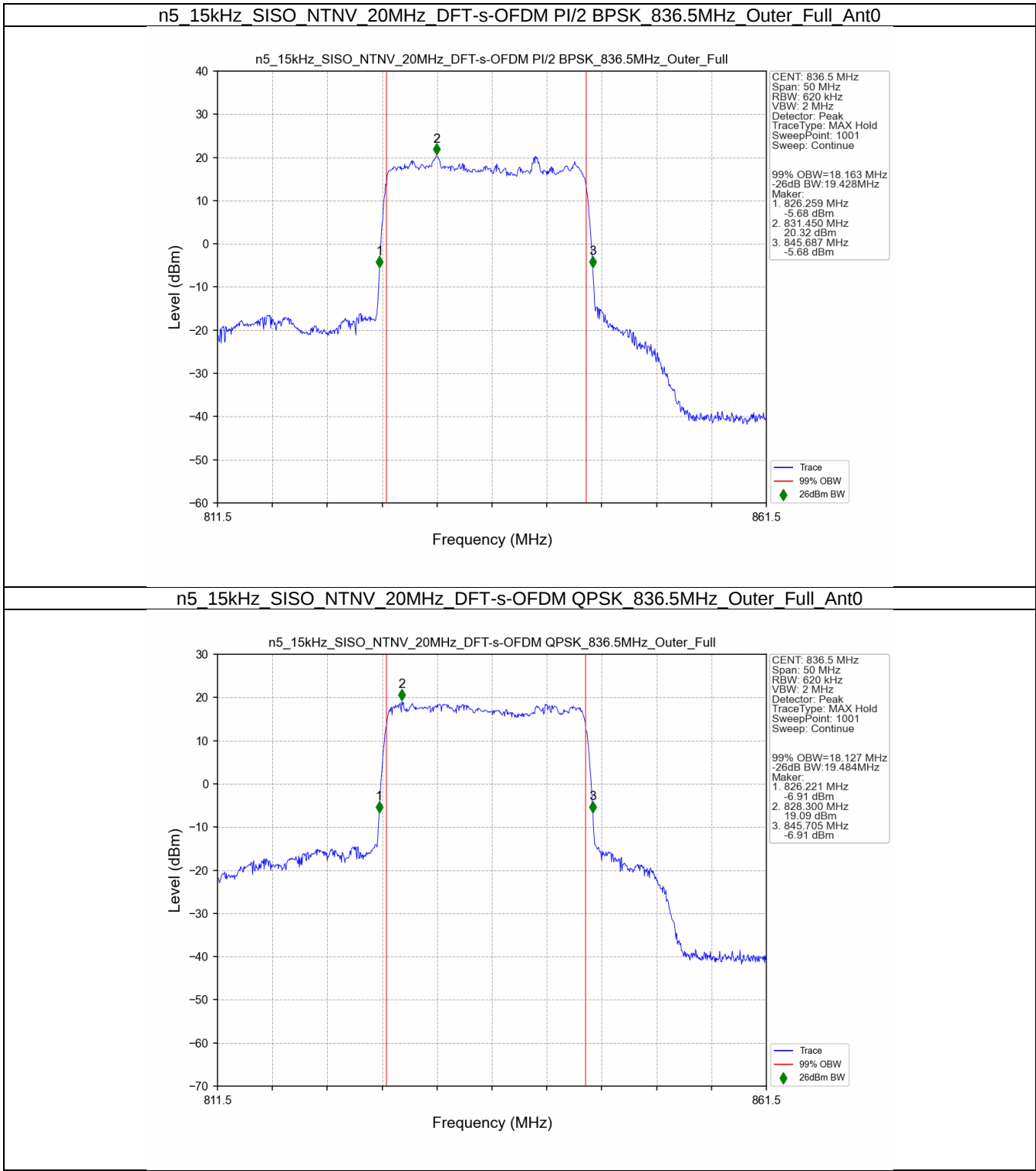
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM 836.5MHz_Outer_Full_Ant0



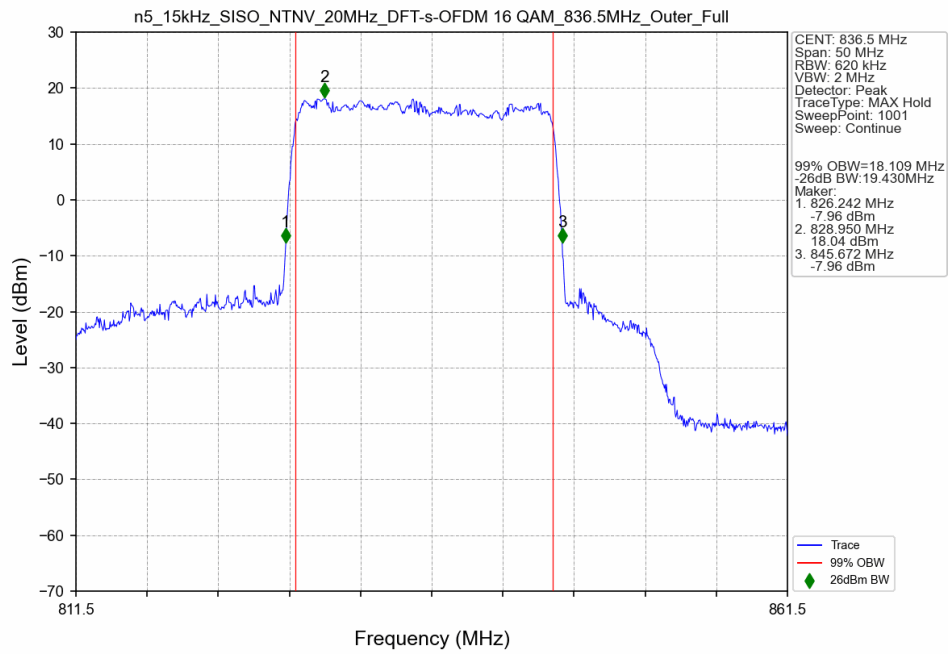
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



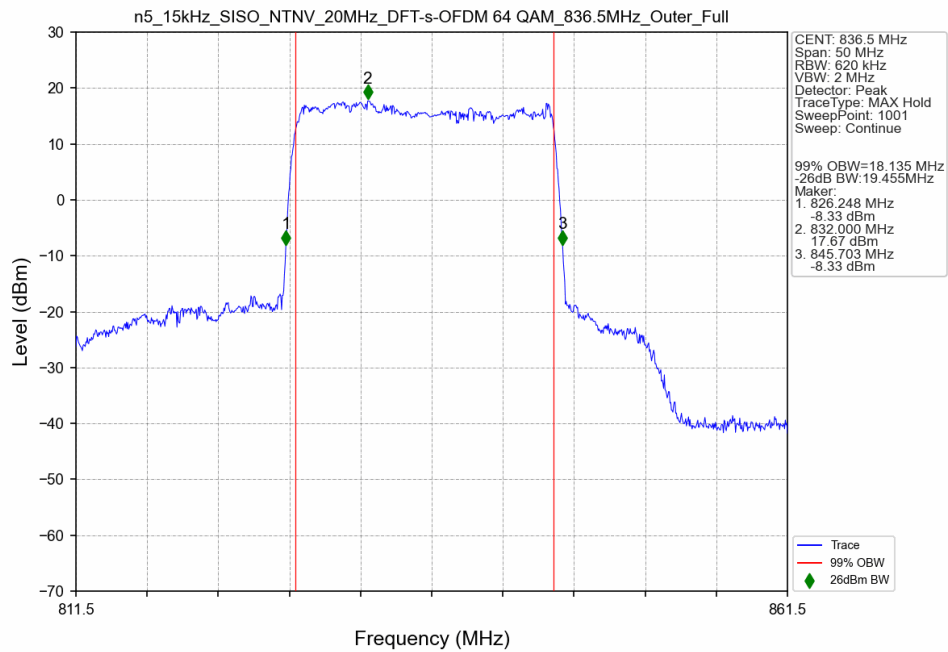
3.2.4 15k_SISO_20MHz_NTNV



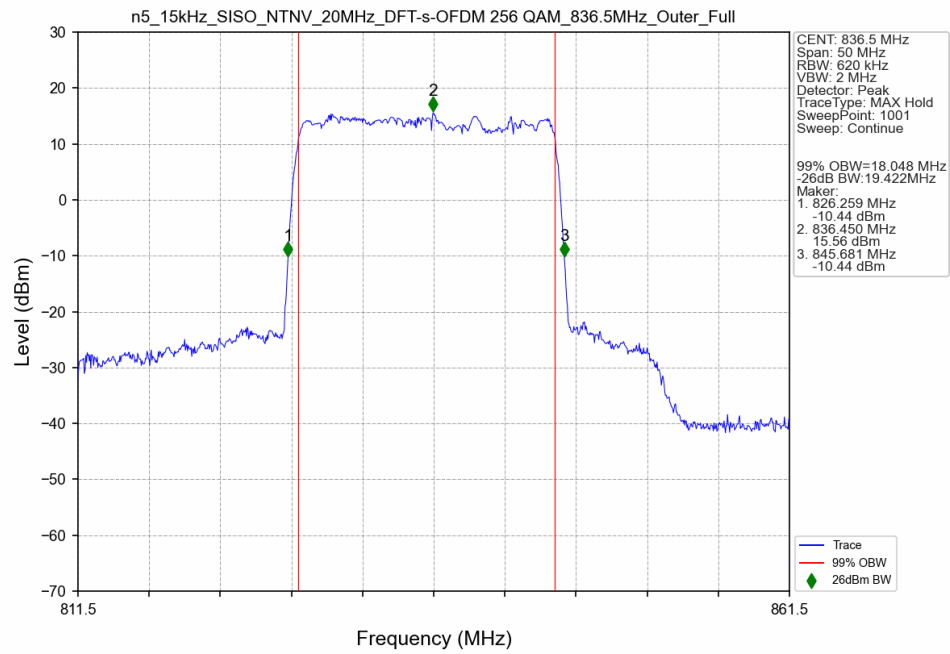
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant0



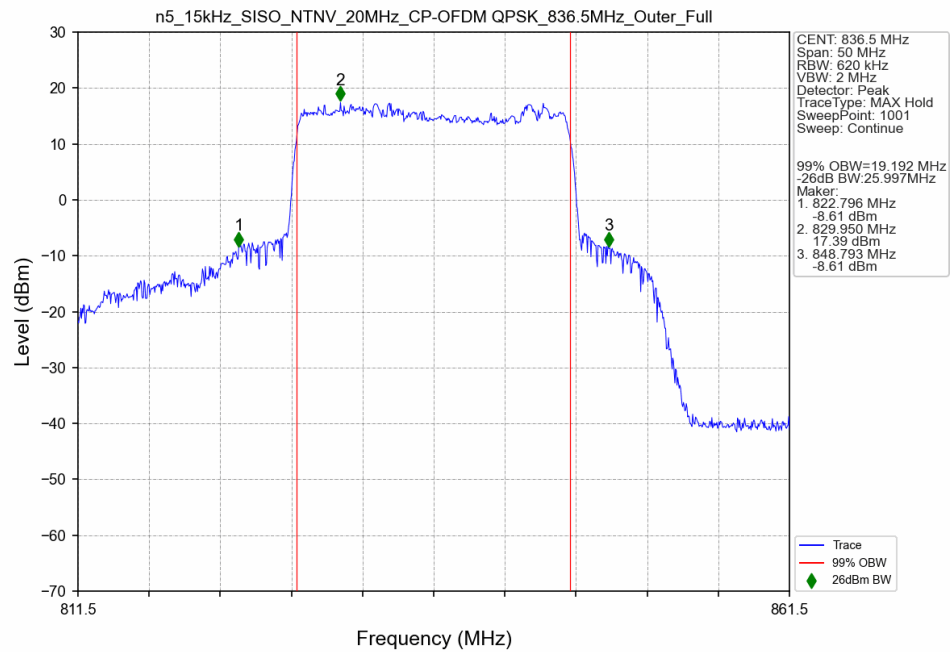
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant0



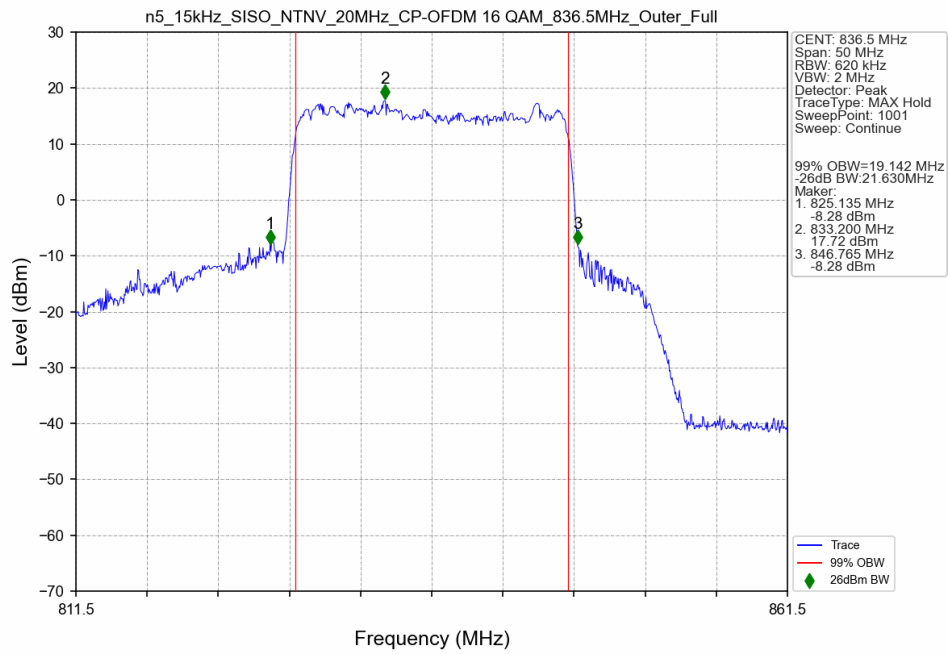
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



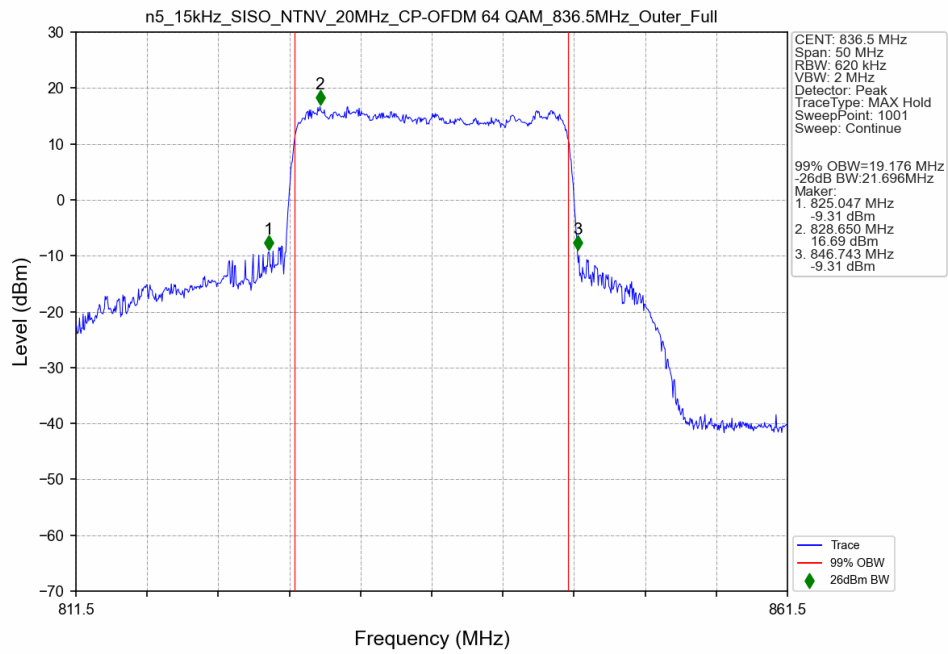
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant0



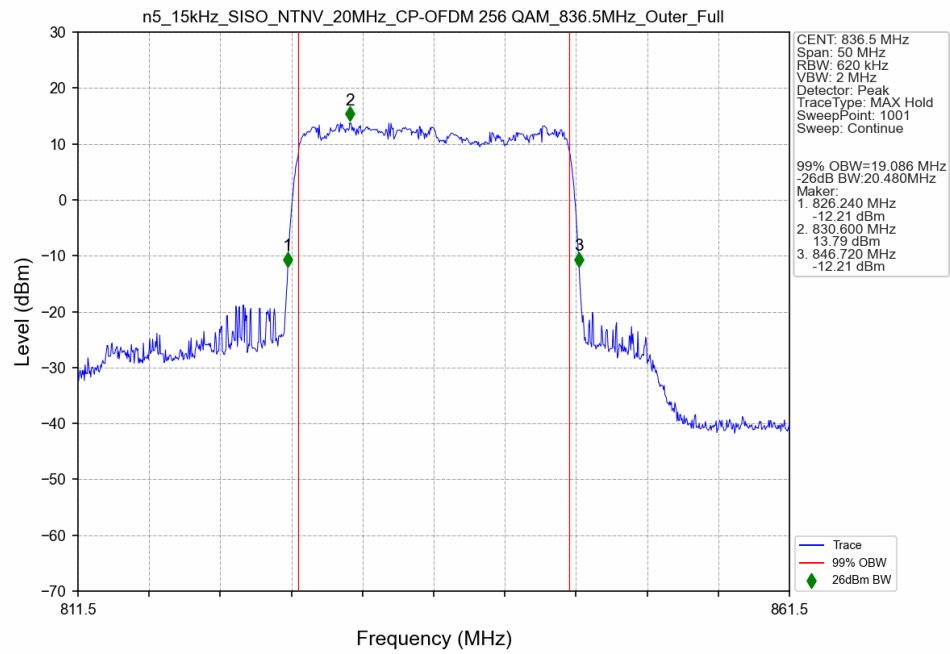
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 836.5MHz Outer Full Ant0



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 836.5MHz Outer Full Ant0



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



4. Peak-Average Ratio

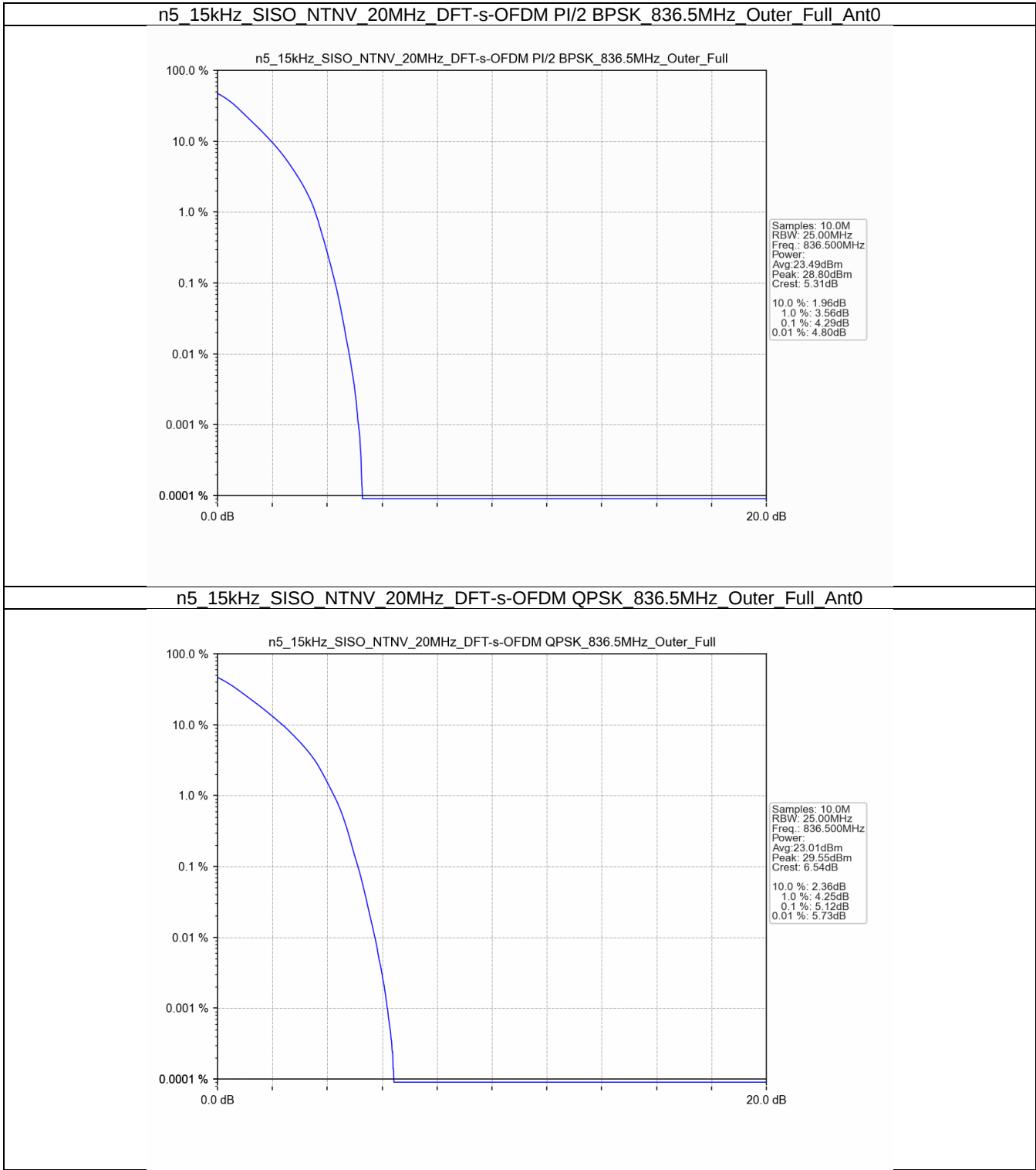
4.1 Test Result

4.1.1 15k_SISO_20MHz_NTNV

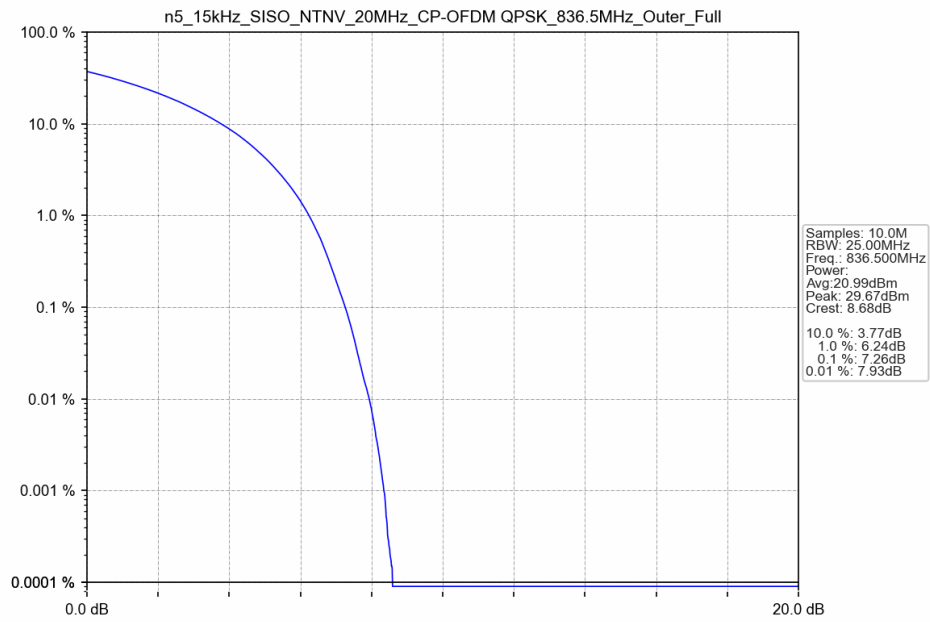
5G NR n5 SCS=15kHz SISO 20MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Outer Full	4.29	/	/	<=13	Pass
DFT-s-OFDM QPSK	836.5	Outer Full	5.12	/	/	<=13	Pass
CP-OFDM QPSK	836.5	Outer Full	7.26	/	/	<=13	Pass

4.2 Test Graph

4.2.1 15k_SISO_20MHz_NTNV



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant0



5. Spurious Emission

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Edge 1RB Left	Refer To Test Graph				Pass
	826.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	846.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	836.5	Edge 1RB Left	Refer To Test Graph				Pass
	826.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	846.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
CP-OFDM QPSK	836.5	Edge 1RB Left	Refer To Test Graph				Pass
	826.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	846.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass

5.1.2 15k_SISO_15MHz_NTNV

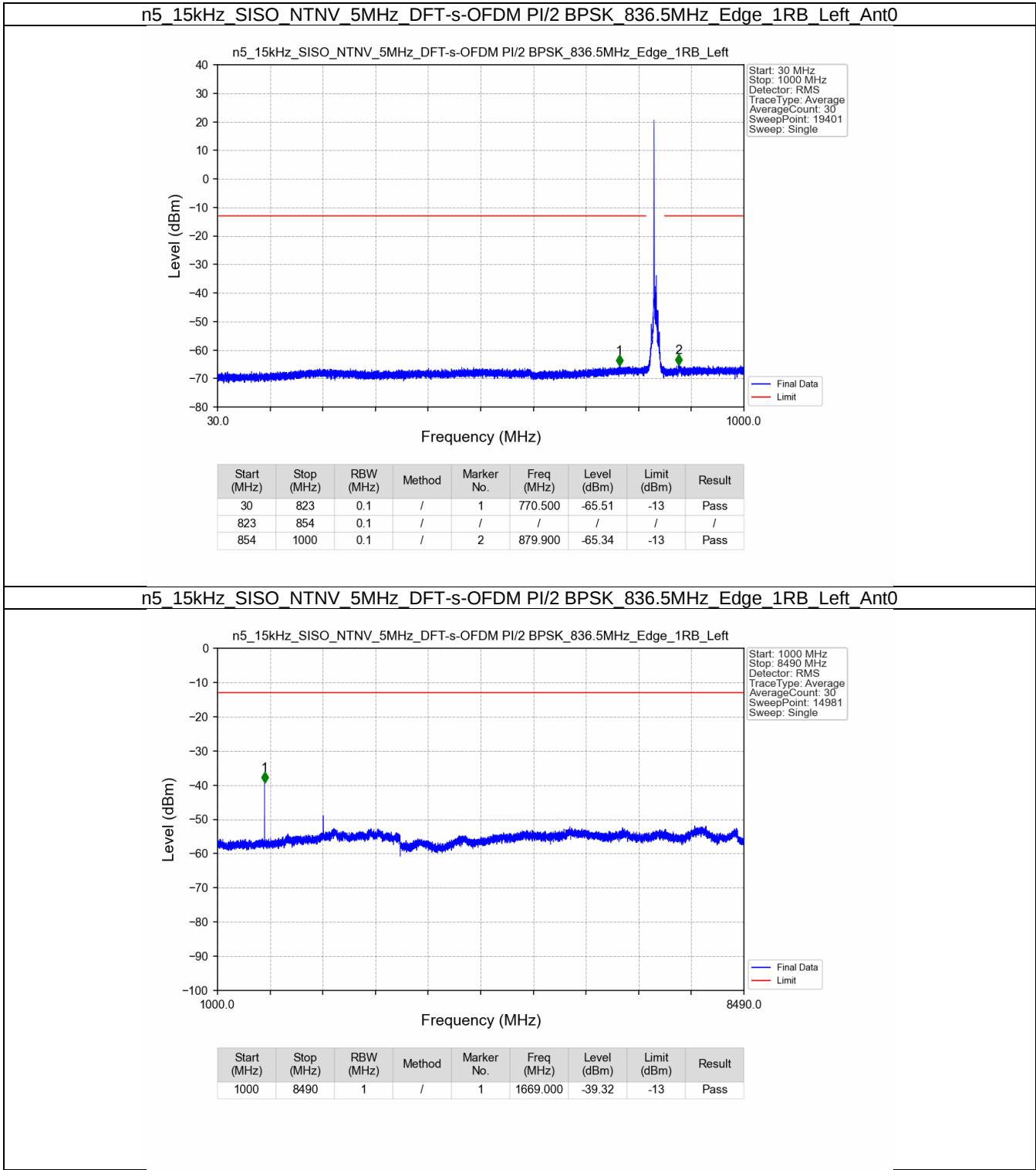
5G NR n5 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Edge 1RB Left	Refer To Test Graph				Pass
	831.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	841.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	836.5	Edge 1RB Left	Refer To Test Graph				Pass
	831.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	841.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
CP-OFDM QPSK	836.5	Edge 1RB Left	Refer To Test Graph				Pass
	831.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	841.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass

5.1.3 15k_SISO_20MHz_NTNV

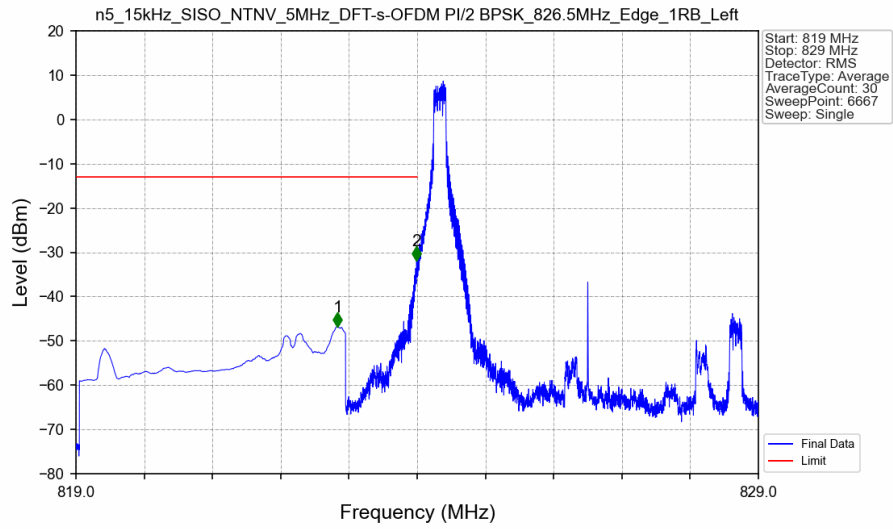
5G NR n5 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	834	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	839	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	834	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	839	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	834	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	839	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

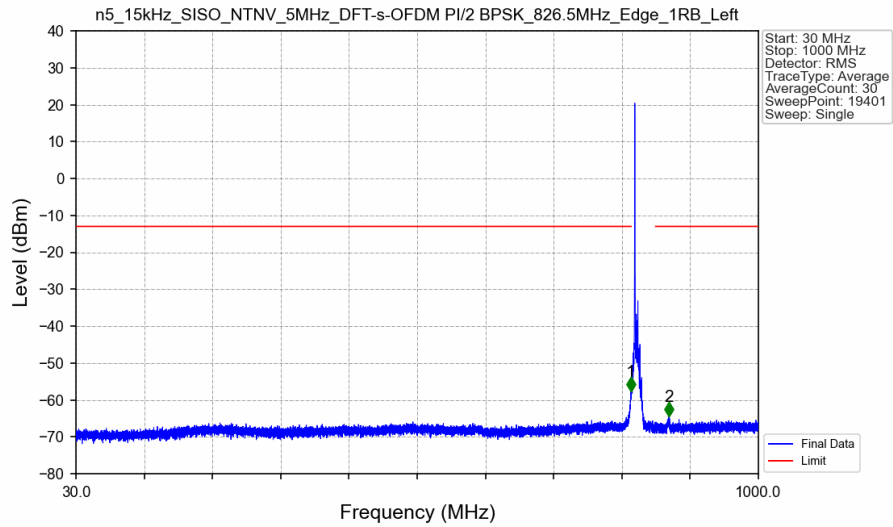


n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 826.5MHz Edge 1RB Left Ant0



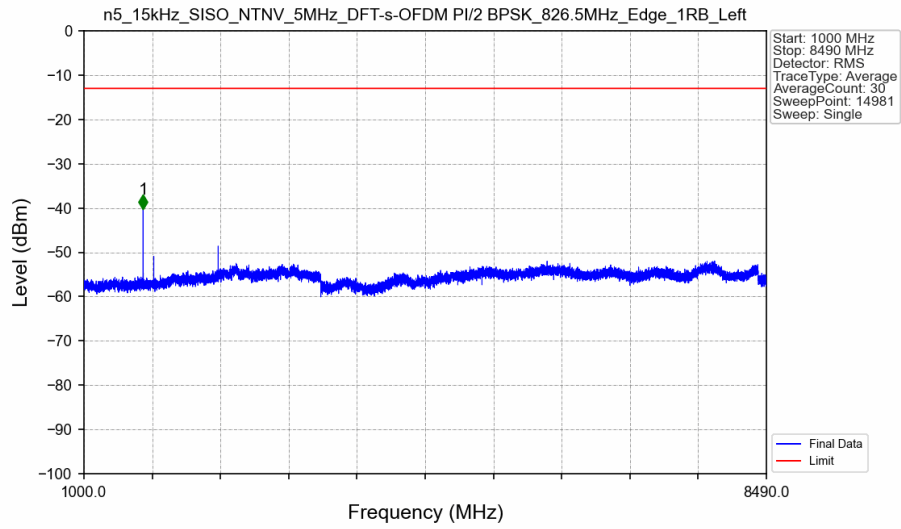
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.833	-46.78	-13	Pass
823	824	0.003	/	2	823.991	-31.82	-13	Pass
824	829	0.003	/	/	/	/	/	/

n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 826.5MHz Edge 1RB Left Ant0



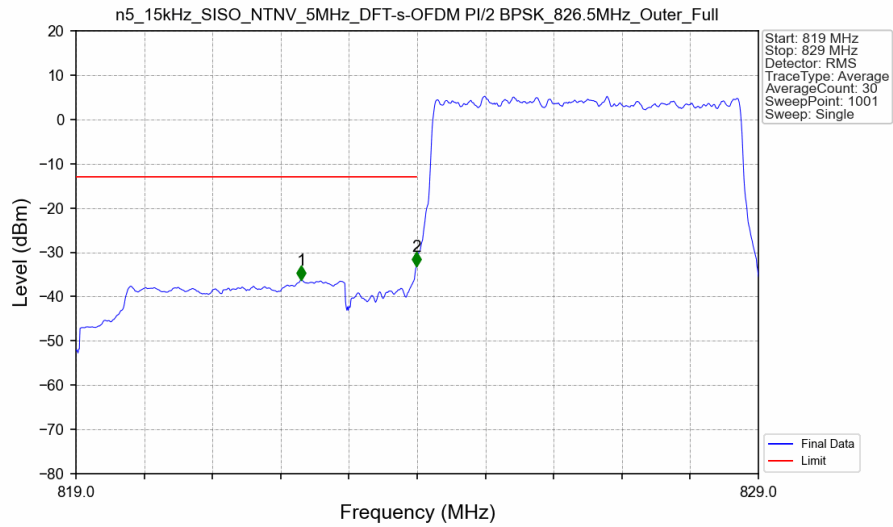
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	823	0.1	/	1	818.450	-57.67	-13	Pass
823	854	0.1	/	/	/	/	/	/
854	1000	0.1	/	2	872.750	-64.43	-13	Pass

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_826.5MHz_Edge_1RB_Left_Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	8490	1	/	1	1649.000	-40.21	-13	Pass

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_826.5MHz_Outer_Full_Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.300	-36.23	-13	Pass
823	824	0.05036	CHP	2	823.990	-33.13	-13	Pass
824	829	0.05036	CHP	/	/	/	/	/