SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Appendix B.33

NR Band n5

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中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

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1. Effective (Isotropic) Radiated Power Output Data

1.1 15k_SISO_5MHz_NTNV_ERP

1.1.1 Test Result

5G NR n5 SCS=15kHz SISO 5MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	826.5	Edge_1RB_Left	23.52	/	/	23.47	/	/	<=38.45	Pass
		Edge_1RB_Right	23.47	/	/	23.42	/	/	<=38.45	Pass
		Outer_Full	23.50	/	/	23.45	/	/	<=38.45	Pass
		Inner_Full	23.45	/	/	23.4	/	/	<=38.45	Pass
		Inner_1RB_Left	23.51	/	/	23.46	/	/	<=38.45	Pass
		Inner_1RB_Right	23.51	/	/	23.46	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.39	/	/	23.34	/	/	<=38.45	Pass
		Edge_1RB_Right	23.43	/	/	23.38	/	/	<=38.45	Pass
		Outer_Full	23.34	/	/	23.29	/	/	<=38.45	Pass
		Inner_Full	23.41	/	/	23.36	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	23.38	/	/	<=38.45	Pass
		Inner_1RB_Right	23.42	/	/	23.37	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.30	/	/	23.25	/	/	<=38.45	Pass
		Edge_1RB_Right	23.20	/	/	23.15	/	/	<=38.45	Pass
		Outer_Full	23.22	/	/	23.17	/	/	<=38.45	Pass
		Inner_Full	23.18	/	/	23.13	/	/	<=38.45	Pass
		Inner_1RB_Left	23.25	/	/	23.2	/	/	<=38.45	Pass
		Inner_1RB_Right	23.14	/	/	23.09	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	826.5	Edge_1RB_Left	23.03	/	/	22.98	/	/	<=38.45	Pass
		Edge_1RB_Right	23.01	/	/	22.96	/	/	<=38.45	Pass
		Outer_Full	21.57	/	/	21.52	/	/	<=38.45	Pass
		Inner_Full	23.43	/	/	23.38	/	/	<=38.45	Pass
		Inner_1RB_Left	23.54	/	/	23.49	/	/	<=38.45	Pass
		Inner_1RB_Right	23.52	/	/	23.47	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.96	/	/	22.91	/	/	<=38.45	Pass
		Edge_1RB_Right	22.95	/	/	22.9	/	/	<=38.45	Pass
		Outer_Full	21.37	/	/	21.32	/	/	<=38.45	Pass
		Inner_Full	23.31	/	/	23.26	/	/	<=38.45	Pass
		Inner_1RB_Left	23.44	/	/	23.39	/	/	<=38.45	Pass
		Inner_1RB_Right	23.35	/	/	23.3	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.81	/	/	22.76	/	/	<=38.45	Pass
		Edge_1RB_Right	22.63	/	/	22.58	/	/	<=38.45	Pass
		Outer_Full	21.23	/	/	21.18	/	/	<=38.45	Pass
		Inner_Full	23.14	/	/	23.09	/	/	<=38.45	Pass
		Inner_1RB_Left	23.21	/	/	23.16	/	/	<=38.45	Pass
		Inner_1RB_Right	23.06	/	/	23.01	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge_1RB_Left	22.00	/	/	21.95	/	/	<=38.45	Pass

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		Edge_1RB_Right	22.03	/	/	21.98	/	/	<=38.45	Pass
		Outer_Full	20.50	/	/	20.45	/	/	<=38.45	Pass
		Inner_Full	22.94	/	/	22.89	/	/	<=38.45	Pass
		Inner_1RB_Left	22.94	/	/	22.89	/	/	<=38.45	Pass
		Inner_1RB_Right	23.11	/	/	23.06	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.99	/	/	21.94	/	/	<=38.45	Pass
		Edge_1RB_Right	21.91	/	/	21.86	/	/	<=38.45	Pass
		Outer_Full	20.39	/	/	20.34	/	/	<=38.45	Pass
		Inner_Full	22.98	/	/	22.93	/	/	<=38.45	Pass
		Inner_1RB_Left	22.90	/	/	22.85	/	/	<=38.45	Pass
		Inner_1RB_Right	22.83	/	/	22.78	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.78	/	/	21.73	/	/	<=38.45	Pass
		Edge_1RB_Right	21.60	/	/	21.55	/	/	<=38.45	Pass
		Outer_Full	20.27	/	/	20.22	/	/	<=38.45	Pass
		Inner_Full	22.77	/	/	22.72	/	/	<=38.45	Pass
		Inner_1RB_Left	22.69	/	/	22.64	/	/	<=38.45	Pass
		Inner_1RB_Right	22.78	/	/	22.73	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge_1RB_Left	21.77	/	/	21.72	/	/	<=38.45	Pass
		Edge_1RB_Right	21.79	/	/	21.74	/	/	<=38.45	Pass
		Outer_Full	20.05	/	/	20	/	/	<=38.45	Pass
		Inner_Full	21.57	/	/	21.52	/	/	<=38.45	Pass
		Inner_1RB_Left	21.78	/	/	21.73	/	/	<=38.45	Pass
		Inner_1RB_Right	21.78	/	/	21.73	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.69	/	/	21.64	/	/	<=38.45	Pass
		Edge_1RB_Right	21.60	/	/	21.55	/	/	<=38.45	Pass
		Outer_Full	19.89	/	/	19.84	/	/	<=38.45	Pass
		Inner_Full	21.37	/	/	21.32	/	/	<=38.45	Pass
		Inner_1RB_Left	21.67	/	/	21.62	/	/	<=38.45	Pass
		Inner_1RB_Right	21.62	/	/	21.57	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.48	/	/	21.43	/	/	<=38.45	Pass
		Edge_1RB_Right	21.41	/	/	21.36	/	/	<=38.45	Pass
		Outer_Full	19.66	/	/	19.61	/	/	<=38.45	Pass
		Inner_Full	21.28	/	/	21.23	/	/	<=38.45	Pass
		Inner_1RB_Left	21.49	/	/	21.44	/	/	<=38.45	Pass
		Inner_1RB_Right	21.41	/	/	21.36	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Edge_1RB_Left	19.01	/	/	18.96	/	/	<=38.45	Pass
		Edge_1RB_Right	18.99	/	/	18.94	/	/	<=38.45	Pass
		Outer_Full	17.01	/	/	16.96	/	/	<=38.45	Pass
		Inner_Full	19.49	/	/	19.44	/	/	<=38.45	Pass
		Inner_1RB_Left	18.99	/	/	18.94	/	/	<=38.45	Pass
		Inner_1RB_Right	18.97	/	/	18.92	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.02	/	/	18.97	/	/	<=38.45	Pass
		Edge_1RB_Right	18.93	/	/	18.88	/	/	<=38.45	Pass
		Outer_Full	16.84	/	/	16.79	/	/	<=38.45	Pass
		Inner_Full	19.44	/	/	19.39	/	/	<=38.45	Pass
		Inner_1RB_Left	18.93	/	/	18.88	/	/	<=38.45	Pass
		Inner_1RB_Right	18.94	/	/	18.89	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	18.77	/	/	18.72	/	/	<=38.45	Pass

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		Edge_1RB_Right	18.69	/	/	18.64	/	/	<=38.45	Pass
		Outer_Full	16.65	/	/	16.6	/	/	<=38.45	Pass
		Inner_Full	19.14	/	/	19.09	/	/	<=38.45	Pass
		Inner_1RB_Left	18.76	/	/	18.71	/	/	<=38.45	Pass
		Inner_1RB_Right	18.63	/	/	18.58	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	21.03	/	/	20.98	/	/	<=38.45	Pass
		Edge_1RB_Right	21.10	/	/	21.05	/	/	<=38.45	Pass
		Outer_Full	21.03	/	/	20.98	/	/	<=38.45	Pass
		Inner_Full	22.38	/	/	22.33	/	/	<=38.45	Pass
		Inner_1RB_Left	22.60	/	/	22.55	/	/	<=38.45	Pass
		Inner_1RB_Right	22.44	/	/	22.39	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.95	/	/	20.9	/	/	<=38.45	Pass
		Edge_1RB_Right	20.91	/	/	20.86	/	/	<=38.45	Pass
		Outer_Full	20.89	/	/	20.84	/	/	<=38.45	Pass
		Inner_Full	22.29	/	/	22.24	/	/	<=38.45	Pass
		Inner_1RB_Left	22.39	/	/	22.34	/	/	<=38.45	Pass
		Inner_1RB_Right	22.40	/	/	22.35	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.76	/	/	20.71	/	/	<=38.45	Pass
		Edge_1RB_Right	20.61	/	/	20.56	/	/	<=38.45	Pass
		Outer_Full	20.72	/	/	20.67	/	/	<=38.45	Pass
		Inner_Full	22.19	/	/	22.14	/	/	<=38.45	Pass
		Inner_1RB_Left	22.11	/	/	22.06	/	/	<=38.45	Pass
		Inner_1RB_Right	22.11	/	/	22.06	/	/	<=38.45	Pass
CP-OFDM 16 QAM	826.5	Edge_1RB_Left	20.95	/	/	20.9	/	/	<=38.45	Pass
		Edge_1RB_Right	21.12	/	/	21.07	/	/	<=38.45	Pass
		Outer_Full	19.05	/	/	19	/	/	<=38.45	Pass
		Inner_Full	21.91	/	/	21.86	/	/	<=38.45	Pass
		Inner_1RB_Left	22.21	/	/	22.16	/	/	<=38.45	Pass
		Inner_1RB_Right	21.86	/	/	21.81	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.95	/	/	20.9	/	/	<=38.45	Pass
		Edge_1RB_Right	21.00	/	/	20.95	/	/	<=38.45	Pass
		Outer_Full	18.92	/	/	18.87	/	/	<=38.45	Pass
		Inner_Full	21.82	/	/	21.77	/	/	<=38.45	Pass
		Inner_1RB_Left	22.06	/	/	22.01	/	/	<=38.45	Pass
		Inner_1RB_Right	22.06	/	/	22.01	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.83	/	/	20.78	/	/	<=38.45	Pass
		Edge_1RB_Right	20.69	/	/	20.64	/	/	<=38.45	Pass
		Outer_Full	18.77	/	/	18.72	/	/	<=38.45	Pass
		Inner_Full	21.61	/	/	21.56	/	/	<=38.45	Pass
		Inner_1RB_Left	21.83	/	/	21.78	/	/	<=38.45	Pass
		Inner_1RB_Right	21.83	/	/	21.78	/	/	<=38.45	Pass
CP-OFDM 64 QAM	826.5	Edge_1RB_Left	20.69	/	/	20.64	/	/	<=38.45	Pass
		Edge_1RB_Right	20.53	/	/	20.48	/	/	<=38.45	Pass
		Outer_Full	18.53	/	/	18.48	/	/	<=38.45	Pass
		Inner_Full	20.52	/	/	20.47	/	/	<=38.45	Pass
		Inner_1RB_Left	20.64	/	/	20.59	/	/	<=38.45	Pass
		Inner_1RB_Right	20.59	/	/	20.54	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.60	/	/	20.55	/	/	<=38.45	Pass

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		Edge_1RB_Right	20.51	/	/	20.46	/	/	<=38.45	Pass
		Outer_Full	18.41	/	/	18.36	/	/	<=38.45	Pass
		Inner_Full	20.34	/	/	20.29	/	/	<=38.45	Pass
		Inner_1RB_Left	20.56	/	/	20.51	/	/	<=38.45	Pass
		Inner_1RB_Right	20.54	/	/	20.49	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.37	/	/	20.32	/	/	<=38.45	Pass
		Edge_1RB_Right	20.05	/	/	20	/	/	<=38.45	Pass
		Outer_Full	18.24	/	/	18.19	/	/	<=38.45	Pass
		Inner_Full	20.26	/	/	20.21	/	/	<=38.45	Pass
		Inner_1RB_Left	20.34	/	/	20.29	/	/	<=38.45	Pass
		Inner_1RB_Right	20.26	/	/	20.21	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge_1RB_Left	17.14	/	/	17.09	/	/	<=38.45	Pass
		Edge_1RB_Right	17.15	/	/	17.1	/	/	<=38.45	Pass
		Outer_Full	15.66	/	/	15.61	/	/	<=38.45	Pass
		Inner_Full	17.58	/	/	17.53	/	/	<=38.45	Pass
		Inner_1RB_Left	17.13	/	/	17.08	/	/	<=38.45	Pass
		Inner_1RB_Right	17.09	/	/	17.04	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.07	/	/	17.02	/	/	<=38.45	Pass
		Edge_1RB_Right	17.00	/	/	16.95	/	/	<=38.45	Pass
		Outer_Full	15.53	/	/	15.48	/	/	<=38.45	Pass
		Inner_Full	17.53	/	/	17.48	/	/	<=38.45	Pass
		Inner_1RB_Left	16.98	/	/	16.93	/	/	<=38.45	Pass
		Inner_1RB_Right	16.98	/	/	16.93	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	16.85	/	/	16.8	/	/	<=38.45	Pass
		Edge_1RB_Right	16.76	/	/	16.71	/	/	<=38.45	Pass
		Outer_Full	15.26	/	/	15.21	/	/	<=38.45	Pass
		Inner_Full	17.24	/	/	17.19	/	/	<=38.45	Pass
		Inner_1RB_Left	16.86	/	/	16.81	/	/	<=38.45	Pass
		Inner_1RB_Right	16.74	/	/	16.69	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: 2.1dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.2 15k_SISO_10MHz_NTNV_ERP

1.2.1 Test Result

5G NR n5 SCS=15kHz SISO 10MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	829	Edge_1RB_Left	23.52	/	/	23.47	/	/	<=38.45	Pass
		Edge_1RB_Right	23.39	/	/	23.34	/	/	<=38.45	Pass
		Outer_Full	23.51	/	/	23.46	/	/	<=38.45	Pass
		Inner_Full	23.51	/	/	23.46	/	/	<=38.45	Pass
		Inner_1RB_Left	23.50	/	/	23.45	/	/	<=38.45	Pass
		Inner_1RB_Right	23.43	/	/	23.38	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.49	/	/	23.44	/	/	<=38.45	Pass

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		Edge_1RB_Right	23.33	/	/	23.28	/	/	<=38.45	Pass
		Outer_Full	23.50	/	/	23.45	/	/	<=38.45	Pass
		Inner_Full	23.47	/	/	23.42	/	/	<=38.45	Pass
		Inner_1RB_Left	23.47	/	/	23.42	/	/	<=38.45	Pass
		Inner_1RB_Right	23.30	/	/	23.25	/	/	<=38.45	Pass
	844	Edge_1RB_Left	23.30	/	/	23.25	/	/	<=38.45	Pass
		Edge_1RB_Right	22.97	/	/	22.92	/	/	<=38.45	Pass
		Outer_Full	23.21	/	/	23.16	/	/	<=38.45	Pass
		Inner_Full	23.18	/	/	23.13	/	/	<=38.45	Pass
		Inner_1RB_Left	23.27	/	/	23.22	/	/	<=38.45	Pass
		Inner_1RB_Right	23.01	/	/	22.96	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	829	Edge_1RB_Left	22.98	/	/	22.93	/	/	<=38.45	Pass
		Edge_1RB_Right	22.92	/	/	22.87	/	/	<=38.45	Pass
		Outer_Full	21.54	/	/	21.49	/	/	<=38.45	Pass
		Inner_Full	23.49	/	/	23.44	/	/	<=38.45	Pass
		Inner_1RB_Left	23.50	/	/	23.45	/	/	<=38.45	Pass
		Inner_1RB_Right	23.40	/	/	23.35	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.93	/	/	22.88	/	/	<=38.45	Pass
		Edge_1RB_Right	22.79	/	/	22.74	/	/	<=38.45	Pass
		Outer_Full	21.55	/	/	21.5	/	/	<=38.45	Pass
		Inner_Full	23.47	/	/	23.42	/	/	<=38.45	Pass
		Inner_1RB_Left	23.47	/	/	23.42	/	/	<=38.45	Pass
		Inner_1RB_Right	23.33	/	/	23.28	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.72	/	/	22.67	/	/	<=38.45	Pass
		Edge_1RB_Right	22.51	/	/	22.46	/	/	<=38.45	Pass
		Outer_Full	21.20	/	/	21.15	/	/	<=38.45	Pass
		Inner_Full	23.14	/	/	23.09	/	/	<=38.45	Pass
		Inner_1RB_Left	23.27	/	/	23.22	/	/	<=38.45	Pass
		Inner_1RB_Right	23.03	/	/	22.98	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge_1RB_Left	21.96	/	/	21.91	/	/	<=38.45	Pass
		Edge_1RB_Right	21.86	/	/	21.81	/	/	<=38.45	Pass
		Outer_Full	20.45	/	/	20.4	/	/	<=38.45	Pass
		Inner_Full	23.09	/	/	23.04	/	/	<=38.45	Pass
		Inner_1RB_Left	22.91	/	/	22.86	/	/	<=38.45	Pass
		Inner_1RB_Right	22.89	/	/	22.84	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.02	/	/	21.97	/	/	<=38.45	Pass
		Edge_1RB_Right	21.82	/	/	21.77	/	/	<=38.45	Pass
		Outer_Full	20.40	/	/	20.35	/	/	<=38.45	Pass
		Inner_Full	22.89	/	/	22.84	/	/	<=38.45	Pass
		Inner_1RB_Left	22.97	/	/	22.92	/	/	<=38.45	Pass
		Inner_1RB_Right	22.76	/	/	22.71	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.81	/	/	21.76	/	/	<=38.45	Pass
		Edge_1RB_Right	21.44	/	/	21.39	/	/	<=38.45	Pass
		Outer_Full	20.18	/	/	20.13	/	/	<=38.45	Pass
		Inner_Full	22.71	/	/	22.66	/	/	<=38.45	Pass
		Inner_1RB_Left	22.66	/	/	22.61	/	/	<=38.45	Pass
		Inner_1RB_Right	22.52	/	/	22.47	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge_1RB_Left	21.72	/	/	21.67	/	/	<=38.45	Pass

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		Edge_1RB_Right	21.64	/	/	21.59	/	/	<=38.45	Pass
		Outer_Full	20.10	/	/	20.05	/	/	<=38.45	Pass
		Inner_Full	21.57	/	/	21.52	/	/	<=38.45	Pass
		Inner_1RB_Left	21.66	/	/	21.61	/	/	<=38.45	Pass
		Inner_1RB_Right	21.66	/	/	21.61	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.63	/	/	21.58	/	/	<=38.45	Pass
		Edge_1RB_Right	21.55	/	/	21.5	/	/	<=38.45	Pass
		Outer_Full	20.04	/	/	19.99	/	/	<=38.45	Pass
		Inner_Full	21.51	/	/	21.46	/	/	<=38.45	Pass
		Inner_1RB_Left	21.65	/	/	21.6	/	/	<=38.45	Pass
		Inner_1RB_Right	21.51	/	/	21.46	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.40	/	/	21.35	/	/	<=38.45	Pass
		Edge_1RB_Right	21.09	/	/	21.04	/	/	<=38.45	Pass
		Outer_Full	19.75	/	/	19.7	/	/	<=38.45	Pass
		Inner_Full	21.16	/	/	21.11	/	/	<=38.45	Pass
		Inner_1RB_Left	21.37	/	/	21.32	/	/	<=38.45	Pass
		Inner_1RB_Right	21.12	/	/	21.07	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge_1RB_Left	19.00	/	/	18.95	/	/	<=38.45	Pass
		Edge_1RB_Right	18.93	/	/	18.88	/	/	<=38.45	Pass
		Outer_Full	17.04	/	/	16.99	/	/	<=38.45	Pass
		Inner_Full	19.40	/	/	19.35	/	/	<=38.45	Pass
		Inner_1RB_Left	18.98	/	/	18.93	/	/	<=38.45	Pass
		Inner_1RB_Right	18.91	/	/	18.86	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.90	/	/	18.85	/	/	<=38.45	Pass
		Edge_1RB_Right	18.71	/	/	18.66	/	/	<=38.45	Pass
		Outer_Full	17.01	/	/	16.96	/	/	<=38.45	Pass
		Inner_Full	19.44	/	/	19.39	/	/	<=38.45	Pass
		Inner_1RB_Left	18.99	/	/	18.94	/	/	<=38.45	Pass
		Inner_1RB_Right	18.77	/	/	18.72	/	/	<=38.45	Pass
	844	Edge_1RB_Left	18.75	/	/	18.7	/	/	<=38.45	Pass
		Edge_1RB_Right	18.49	/	/	18.44	/	/	<=38.45	Pass
		Outer_Full	16.64	/	/	16.59	/	/	<=38.45	Pass
		Inner_Full	19.11	/	/	19.06	/	/	<=38.45	Pass
		Inner_1RB_Left	18.73	/	/	18.68	/	/	<=38.45	Pass
		Inner_1RB_Right	18.52	/	/	18.47	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge_1RB_Left	20.96	/	/	20.91	/	/	<=38.45	Pass
		Edge_1RB_Right	20.89	/	/	20.84	/	/	<=38.45	Pass
		Outer_Full	21.05	/	/	21	/	/	<=38.45	Pass
		Inner_Full	22.46	/	/	22.41	/	/	<=38.45	Pass
		Inner_1RB_Left	22.42	/	/	22.37	/	/	<=38.45	Pass
		Inner_1RB_Right	22.31	/	/	22.26	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.88	/	/	20.83	/	/	<=38.45	Pass
		Edge_1RB_Right	20.84	/	/	20.79	/	/	<=38.45	Pass
		Outer_Full	20.98	/	/	20.93	/	/	<=38.45	Pass
		Inner_Full	22.44	/	/	22.39	/	/	<=38.45	Pass
		Inner_1RB_Left	22.40	/	/	22.35	/	/	<=38.45	Pass
		Inner_1RB_Right	22.61	/	/	22.56	/	/	<=38.45	Pass
	844	Edge_1RB_Left	20.88	/	/	20.83	/	/	<=38.45	Pass

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		Edge_1RB_Right	20.61	/	/	20.56	/	/	<=38.45	Pass
		Outer_Full	20.74	/	/	20.69	/	/	<=38.45	Pass
		Inner_Full	22.09	/	/	22.04	/	/	<=38.45	Pass
		Inner_1RB_Left	22.15	/	/	22.1	/	/	<=38.45	Pass
		Inner_1RB_Right	21.92	/	/	21.87	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Edge_1RB_Left	21.03	/	/	20.98	/	/	<=38.45	Pass
		Edge_1RB_Right	20.94	/	/	20.89	/	/	<=38.45	Pass
		Outer_Full	19.02	/	/	18.97	/	/	<=38.45	Pass
		Inner_Full	22.05	/	/	22	/	/	<=38.45	Pass
		Inner_1RB_Left	22.13	/	/	22.08	/	/	<=38.45	Pass
		Inner_1RB_Right	21.94	/	/	21.89	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.70	/	/	20.65	/	/	<=38.45	Pass
		Edge_1RB_Right	20.77	/	/	20.72	/	/	<=38.45	Pass
		Outer_Full	19.02	/	/	18.97	/	/	<=38.45	Pass
		Inner_Full	21.99	/	/	21.94	/	/	<=38.45	Pass
		Inner_1RB_Left	21.78	/	/	21.73	/	/	<=38.45	Pass
		Inner_1RB_Right	21.80	/	/	21.75	/	/	<=38.45	Pass
	844	Edge_1RB_Left	20.76	/	/	20.71	/	/	<=38.45	Pass
		Edge_1RB_Right	20.77	/	/	20.72	/	/	<=38.45	Pass
		Outer_Full	18.71	/	/	18.66	/	/	<=38.45	Pass
		Inner_Full	21.67	/	/	21.62	/	/	<=38.45	Pass
		Inner_1RB_Left	21.82	/	/	21.77	/	/	<=38.45	Pass
		Inner_1RB_Right	21.61	/	/	21.56	/	/	<=38.45	Pass
CP-OFDM 64 QAM	829	Edge_1RB_Left	20.59	/	/	20.54	/	/	<=38.45	Pass
		Edge_1RB_Right	20.40	/	/	20.35	/	/	<=38.45	Pass
		Outer_Full	18.50	/	/	18.45	/	/	<=38.45	Pass
		Inner_Full	20.57	/	/	20.52	/	/	<=38.45	Pass
		Inner_1RB_Left	20.54	/	/	20.49	/	/	<=38.45	Pass
		Inner_1RB_Right	20.50	/	/	20.45	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.48	/	/	20.43	/	/	<=38.45	Pass
		Edge_1RB_Right	20.39	/	/	20.34	/	/	<=38.45	Pass
		Outer_Full	18.50	/	/	18.45	/	/	<=38.45	Pass
		Inner_Full	20.51	/	/	20.46	/	/	<=38.45	Pass
		Inner_1RB_Left	20.51	/	/	20.46	/	/	<=38.45	Pass
		Inner_1RB_Right	20.39	/	/	20.34	/	/	<=38.45	Pass
	844	Edge_1RB_Left	20.31	/	/	20.26	/	/	<=38.45	Pass
		Edge_1RB_Right	20.13	/	/	20.08	/	/	<=38.45	Pass
		Outer_Full	18.21	/	/	18.16	/	/	<=38.45	Pass
		Inner_Full	20.21	/	/	20.16	/	/	<=38.45	Pass
		Inner_1RB_Left	20.35	/	/	20.3	/	/	<=38.45	Pass
		Inner_1RB_Right	20.18	/	/	20.13	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Edge_1RB_Left	17.06	/	/	17.01	/	/	<=38.45	Pass
		Edge_1RB_Right	16.93	/	/	16.88	/	/	<=38.45	Pass
		Outer_Full	15.56	/	/	15.51	/	/	<=38.45	Pass
		Inner_Full	17.57	/	/	17.52	/	/	<=38.45	Pass
		Inner_1RB_Left	17.06	/	/	17.01	/	/	<=38.45	Pass
		Inner_1RB_Right	16.94	/	/	16.89	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.08	/	/	17.03	/	/	<=38.45	Pass

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		Edge_1RB_Right	16.92	/	/	16.87	/	/	<=38.45	Pass
		Outer_Full	15.54	/	/	15.49	/	/	<=38.45	Pass
		Inner_Full	17.47	/	/	17.42	/	/	<=38.45	Pass
		Inner_1RB_Left	17.07	/	/	17.02	/	/	<=38.45	Pass
		Inner_1RB_Right	16.94	/	/	16.89	/	/	<=38.45	Pass
	844	Edge_1RB_Left	16.87	/	/	16.82	/	/	<=38.45	Pass
		Edge_1RB_Right	16.58	/	/	16.53	/	/	<=38.45	Pass
		Outer_Full	15.23	/	/	15.18	/	/	<=38.45	Pass
		Inner_Full	17.12	/	/	17.07	/	/	<=38.45	Pass
		Inner_1RB_Left	16.84	/	/	16.79	/	/	<=38.45	Pass
		Inner_1RB_Right	16.60	/	/	16.55	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: 2.1dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.3 15k_SISO_15MHz_NTNV_ERP

1.3.1 Test Result

5G NR n5 SCS=15kHz SISO 15MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	831.5	Edge_1RB_Left	23.48	/	/	23.43	/	/	<=38.45	Pass
		Edge_1RB_Right	23.31	/	/	23.26	/	/	<=38.45	Pass
		Outer_Full	23.43	/	/	23.38	/	/	<=38.45	Pass
		Inner_Full	23.45	/	/	23.4	/	/	<=38.45	Pass
		Inner_1RB_Left	23.45	/	/	23.4	/	/	<=38.45	Pass
		Inner_1RB_Right	23.29	/	/	23.24	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.53	/	/	23.48	/	/	<=38.45	Pass
		Edge_1RB_Right	23.15	/	/	23.1	/	/	<=38.45	Pass
		Outer_Full	23.36	/	/	23.31	/	/	<=38.45	Pass
		Inner_Full	23.43	/	/	23.38	/	/	<=38.45	Pass
		Inner_1RB_Left	23.57	/	/	23.52	/	/	<=38.45	Pass
		Inner_1RB_Right	23.15	/	/	23.1	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.41	/	/	23.36	/	/	<=38.45	Pass
		Edge_1RB_Right	22.93	/	/	22.88	/	/	<=38.45	Pass
		Outer_Full	23.27	/	/	23.22	/	/	<=38.45	Pass
		Inner_Full	23.29	/	/	23.24	/	/	<=38.45	Pass
		Inner_1RB_Left	23.37	/	/	23.32	/	/	<=38.45	Pass
		Inner_1RB_Right	22.98	/	/	22.93	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	831.5	Edge_1RB_Left	23.02	/	/	22.97	/	/	<=38.45	Pass
		Edge_1RB_Right	22.84	/	/	22.79	/	/	<=38.45	Pass
		Outer_Full	21.44	/	/	21.39	/	/	<=38.45	Pass
		Inner_Full	23.51	/	/	23.46	/	/	<=38.45	Pass
		Inner_1RB_Left	23.54	/	/	23.49	/	/	<=38.45	Pass
		Inner_1RB_Right	23.30	/	/	23.25	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.10	/	/	23.05	/	/	<=38.45	Pass

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		Edge_1RB_Right	22.71	/	/	22.66	/	/	<=38.45	Pass
		Outer_Full	21.41	/	/	21.36	/	/	<=38.45	Pass
		Inner_Full	23.48	/	/	23.43	/	/	<=38.45	Pass
		Inner_1RB_Left	23.59	/	/	23.54	/	/	<=38.45	Pass
		Inner_1RB_Right	23.18	/	/	23.13	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.97	/	/	22.92	/	/	<=38.45	Pass
		Edge_1RB_Right	22.38	/	/	22.33	/	/	<=38.45	Pass
		Outer_Full	21.30	/	/	21.25	/	/	<=38.45	Pass
		Inner_Full	23.30	/	/	23.25	/	/	<=38.45	Pass
		Inner_1RB_Left	23.47	/	/	23.42	/	/	<=38.45	Pass
		Inner_1RB_Right	23.07	/	/	23.02	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge_1RB_Left	21.97	/	/	21.92	/	/	<=38.45	Pass
		Edge_1RB_Right	21.77	/	/	21.72	/	/	<=38.45	Pass
		Outer_Full	20.49	/	/	20.44	/	/	<=38.45	Pass
		Inner_Full	22.99	/	/	22.94	/	/	<=38.45	Pass
		Inner_1RB_Left	22.92	/	/	22.87	/	/	<=38.45	Pass
		Inner_1RB_Right	22.69	/	/	22.64	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.05	/	/	22	/	/	<=38.45	Pass
		Edge_1RB_Right	21.63	/	/	21.58	/	/	<=38.45	Pass
		Outer_Full	20.44	/	/	20.39	/	/	<=38.45	Pass
		Inner_Full	22.96	/	/	22.91	/	/	<=38.45	Pass
		Inner_1RB_Left	22.98	/	/	22.93	/	/	<=38.45	Pass
		Inner_1RB_Right	22.64	/	/	22.59	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.88	/	/	21.83	/	/	<=38.45	Pass
		Edge_1RB_Right	21.61	/	/	21.56	/	/	<=38.45	Pass
		Outer_Full	20.29	/	/	20.24	/	/	<=38.45	Pass
		Inner_Full	22.73	/	/	22.68	/	/	<=38.45	Pass
		Inner_1RB_Left	22.80	/	/	22.75	/	/	<=38.45	Pass
		Inner_1RB_Right	22.40	/	/	22.35	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge_1RB_Left	21.71	/	/	21.66	/	/	<=38.45	Pass
		Edge_1RB_Right	21.50	/	/	21.45	/	/	<=38.45	Pass
		Outer_Full	19.99	/	/	19.94	/	/	<=38.45	Pass
		Inner_Full	21.50	/	/	21.45	/	/	<=38.45	Pass
		Inner_1RB_Left	21.66	/	/	21.61	/	/	<=38.45	Pass
		Inner_1RB_Right	21.54	/	/	21.49	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.76	/	/	21.71	/	/	<=38.45	Pass
		Edge_1RB_Right	21.39	/	/	21.34	/	/	<=38.45	Pass
		Outer_Full	20.02	/	/	19.97	/	/	<=38.45	Pass
		Inner_Full	21.49	/	/	21.44	/	/	<=38.45	Pass
		Inner_1RB_Left	21.71	/	/	21.66	/	/	<=38.45	Pass
		Inner_1RB_Right	21.32	/	/	21.27	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.65	/	/	21.6	/	/	<=38.45	Pass
		Edge_1RB_Right	21.08	/	/	21.03	/	/	<=38.45	Pass
		Outer_Full	19.81	/	/	19.76	/	/	<=38.45	Pass
		Inner_Full	21.28	/	/	21.23	/	/	<=38.45	Pass
		Inner_1RB_Left	21.67	/	/	21.62	/	/	<=38.45	Pass
		Inner_1RB_Right	21.26	/	/	21.21	/	/	<=38.45	Pass
DFT-s-OFDM 256	831.5	Edge_1RB_Left	18.94	/	/	18.89	/	/	<=38.45	Pass

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QAM		Edge_1RB_Right	18.79	/	/	18.74	/	/	<=38.45	Pass
		Outer_Full	16.90	/	/	16.85	/	/	<=38.45	Pass
		Inner_Full	19.40	/	/	19.35	/	/	<=38.45	Pass
		Inner_1RB_Left	18.97	/	/	18.92	/	/	<=38.45	Pass
		Inner_1RB_Right	18.81	/	/	18.76	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.07	/	/	19.02	/	/	<=38.45	Pass
		Edge_1RB_Right	18.66	/	/	18.61	/	/	<=38.45	Pass
		Outer_Full	16.87	/	/	16.82	/	/	<=38.45	Pass
		Inner_Full	19.34	/	/	19.29	/	/	<=38.45	Pass
		Inner_1RB_Left	19.05	/	/	19	/	/	<=38.45	Pass
		Inner_1RB_Right	18.69	/	/	18.64	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.03	/	/	18.98	/	/	<=38.45	Pass
		Edge_1RB_Right	18.54	/	/	18.49	/	/	<=38.45	Pass
		Outer_Full	16.76	/	/	16.71	/	/	<=38.45	Pass
		Inner_Full	19.22	/	/	19.17	/	/	<=38.45	Pass
		Inner_1RB_Left	19.00	/	/	18.95	/	/	<=38.45	Pass
		Inner_1RB_Right	18.55	/	/	18.5	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Edge_1RB_Left	20.96	/	/	20.91	/	/	<=38.45	Pass
		Edge_1RB_Right	20.79	/	/	20.74	/	/	<=38.45	Pass
		Outer_Full	20.96	/	/	20.91	/	/	<=38.45	Pass
		Inner_Full	22.46	/	/	22.41	/	/	<=38.45	Pass
		Inner_1RB_Left	22.39	/	/	22.34	/	/	<=38.45	Pass
		Inner_1RB_Right	22.16	/	/	22.11	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.05	/	/	21	/	/	<=38.45	Pass
		Edge_1RB_Right	20.74	/	/	20.69	/	/	<=38.45	Pass
		Outer_Full	20.89	/	/	20.84	/	/	<=38.45	Pass
		Inner_Full	22.39	/	/	22.34	/	/	<=38.45	Pass
		Inner_1RB_Left	22.51	/	/	22.46	/	/	<=38.45	Pass
		Inner_1RB_Right	22.16	/	/	22.11	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	20.97	/	/	20.92	/	/	<=38.45	Pass
		Edge_1RB_Right	20.81	/	/	20.76	/	/	<=38.45	Pass
		Outer_Full	20.60	/	/	20.55	/	/	<=38.45	Pass
		Inner_Full	22.15	/	/	22.1	/	/	<=38.45	Pass
		Inner_1RB_Left	22.41	/	/	22.36	/	/	<=38.45	Pass
		Inner_1RB_Right	22.08	/	/	22.03	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Edge_1RB_Left	20.96	/	/	20.91	/	/	<=38.45	Pass
		Edge_1RB_Right	20.81	/	/	20.76	/	/	<=38.45	Pass
		Outer_Full	18.93	/	/	18.88	/	/	<=38.45	Pass
		Inner_Full	22.03	/	/	21.98	/	/	<=38.45	Pass
		Inner_1RB_Left	22.19	/	/	22.14	/	/	<=38.45	Pass
		Inner_1RB_Right	21.84	/	/	21.79	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.00	/	/	20.95	/	/	<=38.45	Pass
		Edge_1RB_Right	20.74	/	/	20.69	/	/	<=38.45	Pass
		Outer_Full	18.91	/	/	18.86	/	/	<=38.45	Pass
		Inner_Full	22.04	/	/	21.99	/	/	<=38.45	Pass
		Inner_1RB_Left	22.12	/	/	22.07	/	/	<=38.45	Pass
		Inner_1RB_Right	21.82	/	/	21.77	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	20.97	/	/	20.92	/	/	<=38.45	Pass

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		Edge_1RB_Right	20.60	/	/	20.55	/	/	<=38.45	Pass
		Outer_Full	18.71	/	/	18.66	/	/	<=38.45	Pass
		Inner_Full	21.87	/	/	21.82	/	/	<=38.45	Pass
		Inner_1RB_Left	22.10	/	/	22.05	/	/	<=38.45	Pass
		Inner_1RB_Right	21.71	/	/	21.66	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	20.57	/	/	20.52	/	/	<=38.45	Pass
		Edge_1RB_Right	20.42	/	/	20.37	/	/	<=38.45	Pass
		Outer_Full	18.40	/	/	18.35	/	/	<=38.45	Pass
		Inner_Full	20.51	/	/	20.46	/	/	<=38.45	Pass
		Inner_1RB_Left	20.61	/	/	20.56	/	/	<=38.45	Pass
		Inner_1RB_Right	20.37	/	/	20.32	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.62	/	/	20.57	/	/	<=38.45	Pass
		Edge_1RB_Right	20.31	/	/	20.26	/	/	<=38.45	Pass
		Outer_Full	18.39	/	/	18.34	/	/	<=38.45	Pass
		Inner_Full	20.40	/	/	20.35	/	/	<=38.45	Pass
		Inner_1RB_Left	20.63	/	/	20.58	/	/	<=38.45	Pass
		Inner_1RB_Right	20.35	/	/	20.3	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	20.53	/	/	20.48	/	/	<=38.45	Pass
		Edge_1RB_Right	20.01	/	/	19.96	/	/	<=38.45	Pass
		Outer_Full	18.26	/	/	18.21	/	/	<=38.45	Pass
		Inner_Full	20.21	/	/	20.16	/	/	<=38.45	Pass
		Inner_1RB_Left	20.50	/	/	20.45	/	/	<=38.45	Pass
		Inner_1RB_Right	20.29	/	/	20.24	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Edge_1RB_Left	17.58	/	/	17.53	/	/	<=38.45	Pass
		Edge_1RB_Right	17.43	/	/	17.38	/	/	<=38.45	Pass
		Outer_Full	15.48	/	/	15.43	/	/	<=38.45	Pass
		Inner_Full	17.50	/	/	17.45	/	/	<=38.45	Pass
		Inner_1RB_Left	17.50	/	/	17.45	/	/	<=38.45	Pass
		Inner_1RB_Right	17.37	/	/	17.32	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.19	/	/	17.14	/	/	<=38.45	Pass
		Edge_1RB_Right	16.86	/	/	16.81	/	/	<=38.45	Pass
		Outer_Full	15.51	/	/	15.46	/	/	<=38.45	Pass
		Inner_Full	17.45	/	/	17.4	/	/	<=38.45	Pass
		Inner_1RB_Left	17.18	/	/	17.13	/	/	<=38.45	Pass
		Inner_1RB_Right	16.81	/	/	16.76	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	17.04	/	/	16.99	/	/	<=38.45	Pass
		Edge_1RB_Right	16.65	/	/	16.6	/	/	<=38.45	Pass
		Outer_Full	15.32	/	/	15.27	/	/	<=38.45	Pass
		Inner_Full	17.16	/	/	17.11	/	/	<=38.45	Pass
		Inner_1RB_Left	17.04	/	/	16.99	/	/	<=38.45	Pass
		Inner_1RB_Right	16.68	/	/	16.63	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: 2.1dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.4 15k_SISO_20MHz_NTNV_ERP

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1.4.1 Test Result

5G NR n5 SCS=15kHz SISO 20MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Edge_1RB_Left	23.51	/	/	23.46	/	/	<=38.45	Pass
		Edge_1RB_Right	23.08	/	/	23.03	/	/	<=38.45	Pass
		Outer_Full	23.41	/	/	23.36	/	/	<=38.45	Pass
		Inner_Full	23.45	/	/	23.4	/	/	<=38.45	Pass
		Inner_1RB_Left	23.48	/	/	23.43	/	/	<=38.45	Pass
		Inner_1RB_Right	23.11	/	/	23.06	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.55	/	/	23.5	/	/	<=38.45	Pass
		Edge_1RB_Right	23.14	/	/	23.09	/	/	<=38.45	Pass
		Outer_Full	23.43	/	/	23.38	/	/	<=38.45	Pass
		Inner_Full	23.46	/	/	23.41	/	/	<=38.45	Pass
		Inner_1RB_Left	23.55	/	/	23.5	/	/	<=38.45	Pass
		Inner_1RB_Right	23.03	/	/	22.98	/	/	<=38.45	Pass
	839	Edge_1RB_Left	23.52	/	/	23.47	/	/	<=38.45	Pass
		Edge_1RB_Right	23.07	/	/	23.02	/	/	<=38.45	Pass
		Outer_Full	23.39	/	/	23.34	/	/	<=38.45	Pass
		Inner_Full	23.38	/	/	23.33	/	/	<=38.45	Pass
		Inner_1RB_Left	23.57	/	/	23.52	/	/	<=38.45	Pass
		Inner_1RB_Right	23.08	/	/	23.03	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	834	Edge_1RB_Left	22.96	/	/	22.91	/	/	<=38.45	Pass
		Edge_1RB_Right	22.62	/	/	22.57	/	/	<=38.45	Pass
		Outer_Full	21.43	/	/	21.38	/	/	<=38.45	Pass
		Inner_Full	23.43	/	/	23.38	/	/	<=38.45	Pass
		Inner_1RB_Left	23.50	/	/	23.45	/	/	<=38.45	Pass
		Inner_1RB_Right	23.15	/	/	23.1	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.08	/	/	23.03	/	/	<=38.45	Pass
		Edge_1RB_Right	22.41	/	/	22.36	/	/	<=38.45	Pass
		Outer_Full	21.52	/	/	21.47	/	/	<=38.45	Pass
		Inner_Full	23.40	/	/	23.35	/	/	<=38.45	Pass
		Inner_1RB_Left	23.54	/	/	23.49	/	/	<=38.45	Pass
		Inner_1RB_Right	23.10	/	/	23.05	/	/	<=38.45	Pass
	839	Edge_1RB_Left	23.02	/	/	22.97	/	/	<=38.45	Pass
		Edge_1RB_Right	22.41	/	/	22.36	/	/	<=38.45	Pass
		Outer_Full	21.41	/	/	21.36	/	/	<=38.45	Pass
		Inner_Full	23.41	/	/	23.36	/	/	<=38.45	Pass
		Inner_1RB_Left	23.51	/	/	23.46	/	/	<=38.45	Pass
		Inner_1RB_Right	23.02	/	/	22.97	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge_1RB_Left	21.96	/	/	21.91	/	/	<=38.45	Pass
		Edge_1RB_Right	21.55	/	/	21.5	/	/	<=38.45	Pass
		Outer_Full	20.39	/	/	20.34	/	/	<=38.45	Pass
		Inner_Full	22.90	/	/	22.85	/	/	<=38.45	Pass
		Inner_1RB_Left	22.90	/	/	22.85	/	/	<=38.45	Pass
		Inner_1RB_Right	22.68	/	/	22.63	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.88	/	/	21.83	/	/	<=38.45	Pass

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		Edge_1RB_Right	21.59	/	/	21.54	/	/	<=38.45	Pass
		Outer_Full	20.51	/	/	20.46	/	/	<=38.45	Pass
		Inner_Full	23.00	/	/	22.95	/	/	<=38.45	Pass
		Inner_1RB_Left	23.07	/	/	23.02	/	/	<=38.45	Pass
		Inner_1RB_Right	22.60	/	/	22.55	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.01	/	/	21.96	/	/	<=38.45	Pass
		Edge_1RB_Right	21.45	/	/	21.4	/	/	<=38.45	Pass
		Outer_Full	20.33	/	/	20.28	/	/	<=38.45	Pass
		Inner_Full	22.88	/	/	22.83	/	/	<=38.45	Pass
		Inner_1RB_Left	23.02	/	/	22.97	/	/	<=38.45	Pass
		Inner_1RB_Right	22.37	/	/	22.32	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Edge_1RB_Left	21.70	/	/	21.65	/	/	<=38.45	Pass
		Edge_1RB_Right	21.33	/	/	21.28	/	/	<=38.45	Pass
		Outer_Full	19.97	/	/	19.92	/	/	<=38.45	Pass
		Inner_Full	21.54	/	/	21.49	/	/	<=38.45	Pass
		Inner_1RB_Left	21.65	/	/	21.6	/	/	<=38.45	Pass
		Inner_1RB_Right	21.25	/	/	21.2	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.93	/	/	21.88	/	/	<=38.45	Pass
		Edge_1RB_Right	21.01	/	/	20.96	/	/	<=38.45	Pass
		Outer_Full	19.99	/	/	19.94	/	/	<=38.45	Pass
		Inner_Full	21.50	/	/	21.45	/	/	<=38.45	Pass
		Inner_1RB_Left	21.52	/	/	21.47	/	/	<=38.45	Pass
		Inner_1RB_Right	21.05	/	/	21	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.70	/	/	21.65	/	/	<=38.45	Pass
		Edge_1RB_Right	21.21	/	/	21.16	/	/	<=38.45	Pass
		Outer_Full	19.91	/	/	19.86	/	/	<=38.45	Pass
		Inner_Full	21.48	/	/	21.43	/	/	<=38.45	Pass
		Inner_1RB_Left	21.73	/	/	21.68	/	/	<=38.45	Pass
		Inner_1RB_Right	21.11	/	/	21.06	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge_1RB_Left	19.01	/	/	18.96	/	/	<=38.45	Pass
		Edge_1RB_Right	18.59	/	/	18.54	/	/	<=38.45	Pass
		Outer_Full	16.92	/	/	16.87	/	/	<=38.45	Pass
		Inner_Full	19.38	/	/	19.33	/	/	<=38.45	Pass
		Inner_1RB_Left	19.02	/	/	18.97	/	/	<=38.45	Pass
		Inner_1RB_Right	18.62	/	/	18.57	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.30	/	/	19.25	/	/	<=38.45	Pass
		Edge_1RB_Right	18.62	/	/	18.57	/	/	<=38.45	Pass
		Outer_Full	16.91	/	/	16.86	/	/	<=38.45	Pass
		Inner_Full	19.43	/	/	19.38	/	/	<=38.45	Pass
		Inner_1RB_Left	19.35	/	/	19.3	/	/	<=38.45	Pass
		Inner_1RB_Right	18.64	/	/	18.59	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.08	/	/	19.03	/	/	<=38.45	Pass
		Edge_1RB_Right	18.54	/	/	18.49	/	/	<=38.45	Pass
		Outer_Full	16.93	/	/	16.88	/	/	<=38.45	Pass
		Inner_Full	19.31	/	/	19.26	/	/	<=38.45	Pass
		Inner_1RB_Left	19.08	/	/	19.03	/	/	<=38.45	Pass
		Inner_1RB_Right	18.55	/	/	18.5	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge_1RB_Left	21.11	/	/	21.06	/	/	<=38.45	Pass

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		Edge_1RB_Right	20.66	/	/	20.61	/	/	<=38.45	Pass
		Outer_Full	20.95	/	/	20.9	/	/	<=38.45	Pass
		Inner_Full	22.40	/	/	22.35	/	/	<=38.45	Pass
		Inner_1RB_Left	22.85	/	/	22.8	/	/	<=38.45	Pass
		Inner_1RB_Right	22.19	/	/	22.14	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.12	/	/	21.07	/	/	<=38.45	Pass
		Edge_1RB_Right	20.80	/	/	20.75	/	/	<=38.45	Pass
		Outer_Full	20.93	/	/	20.88	/	/	<=38.45	Pass
		Inner_Full	22.42	/	/	22.37	/	/	<=38.45	Pass
		Inner_1RB_Left	22.51	/	/	22.46	/	/	<=38.45	Pass
		Inner_1RB_Right	21.97	/	/	21.92	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.13	/	/	21.08	/	/	<=38.45	Pass
		Edge_1RB_Right	20.54	/	/	20.49	/	/	<=38.45	Pass
		Outer_Full	20.88	/	/	20.83	/	/	<=38.45	Pass
		Inner_Full	22.33	/	/	22.28	/	/	<=38.45	Pass
		Inner_1RB_Left	22.47	/	/	22.42	/	/	<=38.45	Pass
		Inner_1RB_Right	21.91	/	/	21.86	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge_1RB_Left	20.99	/	/	20.94	/	/	<=38.45	Pass
		Edge_1RB_Right	20.70	/	/	20.65	/	/	<=38.45	Pass
		Outer_Full	18.94	/	/	18.89	/	/	<=38.45	Pass
		Inner_Full	21.89	/	/	21.84	/	/	<=38.45	Pass
		Inner_1RB_Left	22.11	/	/	22.06	/	/	<=38.45	Pass
		Inner_1RB_Right	21.64	/	/	21.59	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.32	/	/	21.27	/	/	<=38.45	Pass
		Edge_1RB_Right	20.71	/	/	20.66	/	/	<=38.45	Pass
		Outer_Full	18.96	/	/	18.91	/	/	<=38.45	Pass
		Inner_Full	21.91	/	/	21.86	/	/	<=38.45	Pass
		Inner_1RB_Left	22.16	/	/	22.11	/	/	<=38.45	Pass
		Inner_1RB_Right	21.67	/	/	21.62	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.12	/	/	21.07	/	/	<=38.45	Pass
		Edge_1RB_Right	20.57	/	/	20.52	/	/	<=38.45	Pass
		Outer_Full	18.83	/	/	18.78	/	/	<=38.45	Pass
		Inner_Full	21.88	/	/	21.83	/	/	<=38.45	Pass
		Inner_1RB_Left	22.19	/	/	22.14	/	/	<=38.45	Pass
		Inner_1RB_Right	21.64	/	/	21.59	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge_1RB_Left	20.66	/	/	20.61	/	/	<=38.45	Pass
		Edge_1RB_Right	20.31	/	/	20.26	/	/	<=38.45	Pass
		Outer_Full	18.41	/	/	18.36	/	/	<=38.45	Pass
		Inner_Full	20.43	/	/	20.38	/	/	<=38.45	Pass
		Inner_1RB_Left	20.59	/	/	20.54	/	/	<=38.45	Pass
		Inner_1RB_Right	20.31	/	/	20.26	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.80	/	/	20.75	/	/	<=38.45	Pass
		Edge_1RB_Right	20.19	/	/	20.14	/	/	<=38.45	Pass
		Outer_Full	18.48	/	/	18.43	/	/	<=38.45	Pass
		Inner_Full	20.51	/	/	20.46	/	/	<=38.45	Pass
		Inner_1RB_Left	20.76	/	/	20.71	/	/	<=38.45	Pass
		Inner_1RB_Right	20.11	/	/	20.06	/	/	<=38.45	Pass
	839	Edge_1RB_Left	20.58	/	/	20.53	/	/	<=38.45	Pass

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		Edge_1RB_Right	20.15	/	/	20.1	/	/	<=38.45	Pass
		Outer_Full	18.33	/	/	18.28	/	/	<=38.45	Pass
		Inner_Full	20.36	/	/	20.31	/	/	<=38.45	Pass
		Inner_1RB_Left	20.53	/	/	20.48	/	/	<=38.45	Pass
		Inner_1RB_Right	20.10	/	/	20.05	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Edge_1RB_Left	17.23	/	/	17.18	/	/	<=38.45	Pass
		Edge_1RB_Right	16.83	/	/	16.78	/	/	<=38.45	Pass
		Outer_Full	15.51	/	/	15.46	/	/	<=38.45	Pass
		Inner_Full	17.43	/	/	17.38	/	/	<=38.45	Pass
		Inner_1RB_Left	17.14	/	/	17.09	/	/	<=38.45	Pass
		Inner_1RB_Right	16.79	/	/	16.74	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	16.94	/	/	16.89	/	/	<=38.45	Pass
		Edge_1RB_Right	16.83	/	/	16.78	/	/	<=38.45	Pass
		Outer_Full	15.50	/	/	15.45	/	/	<=38.45	Pass
		Inner_Full	17.37	/	/	17.32	/	/	<=38.45	Pass
		Inner_1RB_Left	17.26	/	/	17.21	/	/	<=38.45	Pass
		Inner_1RB_Right	16.76	/	/	16.71	/	/	<=38.45	Pass
	839	Edge_1RB_Left	17.14	/	/	17.09	/	/	<=38.45	Pass
		Edge_1RB_Right	16.96	/	/	16.91	/	/	<=38.45	Pass
		Outer_Full	15.41	/	/	15.36	/	/	<=38.45	Pass
		Inner_Full	17.38	/	/	17.33	/	/	<=38.45	Pass
		Inner_1RB_Left	17.19	/	/	17.14	/	/	<=38.45	Pass
		Inner_1RB_Right	16.62	/	/	16.57	/	/	<=38.45	Pass

Note1: Antenna Gain: Ant1: 2.1dBi;
Note2: ERP=Conducted Power+Antenna Gain-2.15

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2. Frequency Stability

2.1 15k_SISO_5MHz

2.1.1 Test Result

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	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0060	>=-2.5 & <=2.5	Pass
			-10	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			0	NV	-1.70	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0060	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-6.80	-0.0081	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			20	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			50	NV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0068	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	0.90	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-1.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
			50	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-0.90	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			-20	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass

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			-10	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			30	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			40	NV	0.90	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-1.60	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			-30	NV	1.10	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-1.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-3.50	-0.0042	>=-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	-1.60	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			-20	NV	-1.70	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			40	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-0.90	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			0	NV	-2.00	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	0.60	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			30	NV	-1.50	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			50	NV	-2.30	-0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0068	>=-2.5 & <=2.5	Pass

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			30	NV	-5.40	-0.0065	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-4.90	-0.0059	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	0.50	0.0006	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0075	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass

2.2 15k_SISO_10MHz

2.2.1 Test Result

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	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
				HV	-10.20	-0.0122	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			-20	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0066	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0066	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			-20	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0059	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0068	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0066	>=-2.5 & <=2.5	Pass

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			-30	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0065	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0075	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
			20	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
			50	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0062	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0078	>=-2.5 & <=2.5	Pass
			50	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			-30	NV	-1.70	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0060	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0060	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0047	>=-2.5 & <=2.5	Pass
			30	NV	-1.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-5.40	-0.0065	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0078	>=-2.5 & <=2.5	Pass
			-20	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
			0	NV	-2.00	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			20	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			40	NV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			0	NV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass

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			10	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-1.00	-0.0012	>=-2.5 & <=2.5	Pass
				HV	2.70	0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-1.50	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	1.10	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			0	NV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	1.10	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-1.30	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			50	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			-20	NV	-6.50	-0.0078	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0085	>=-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	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			50	NV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass

2.3 15k_SISO_15MHz

2.3.1 Test Result

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	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0103	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0124	>=-2.5 & <=2.5	Pass
			-10	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			50	NV	-5.70	-0.0068	>=-2.5 & <=2.5	Pass

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DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
				HV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			-30	NV	-11.40	-0.0136	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0078	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0100	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			50	NV	-9.20	-0.0110	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
				HV	-9.50	-0.0114	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0121	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			0	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			20	NV	-9.60	-0.0115	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0062	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			50	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-8.60	-0.0103	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0065	>=-2.5 & <=2.5	Pass
			0	NV	-9.80	-0.0117	>=-2.5 & <=2.5	Pass
			10	NV	-11.10	-0.0133	>=-2.5 & <=2.5	Pass
			20	NV	-9.70	-0.0116	>=-2.5 & <=2.5	Pass
			30	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			50	NV	-8.40	-0.0100	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			-20	NV	-1.90	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			10	NV	-9.20	-0.0110	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0060	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass

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			-10	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0062	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0097	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			50	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-2.60	-0.0031	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-4.30	-0.0051	>=-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	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			40	NV	-1.00	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-3.40	-0.0041	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-4.80	-0.0057	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0066	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0068	>=-2.5 & <=2.5	Pass
			-10	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0066	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
				HV	-1.00	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0065	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0059	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			20	NV	-4.60	-0.0055	>=-2.5 & <=2.5	Pass
			30	NV	-0.60	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0066	>=-2.5 & <=2.5	Pass

2.4 15k_SISO_20MHz

2.4.1 Test Result

5G NR n5 SCS=15kHz SISO 20MHz

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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	1.70	0.0020	>=-2.5 & <=2.5	Pass
				HV	2.20	0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-1.20	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	2.30	0.0027	>=-2.5 & <=2.5	Pass
			20	NV	0.10	0.0001	>=-2.5 & <=2.5	Pass
			30	NV	0.60	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	1.90	0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	3.20	0.0038	>=-2.5 & <=2.5	Pass
				HV	0.70	0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	3.20	0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	2.30	0.0027	>=-2.5 & <=2.5	Pass
			0	NV	3.40	0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	2.80	0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-1.70	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	3.30	0.0039	>=-2.5 & <=2.5	Pass
			50	NV	0.50	0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	2.70	0.0032	>=-2.5 & <=2.5	Pass
				HV	3.40	0.0041	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-0.70	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	2.80	0.0033	>=-2.5 & <=2.5	Pass
			0	NV	0.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-1.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	2.10	0.0025	>=-2.5 & <=2.5	Pass
			30	NV	2.80	0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-1.10	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	2.70	0.0032	>=-2.5 & <=2.5	Pass
				HV	-1.00	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	1.00	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	3.90	0.0047	>=-2.5 & <=2.5	Pass
			-10	NV	2.90	0.0035	>=-2.5 & <=2.5	Pass
			0	NV	2.60	0.0031	>=-2.5 & <=2.5	Pass
			10	NV	1.20	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	1.30	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	0.40	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	1.30	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	3.70	0.0044	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
				HV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass

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			-30	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
			-10	NV	0.90	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-0.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			20	NV	-1.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0068	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-0.80	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0081	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-3.30	-0.0039	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-0.90	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0047	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			-10	NV	-2.50	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass

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			10	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			20	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0049	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass

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3. 99% & 26dB Bandwidth

3.1 15k_SISO_5MHz_NTNV

3.1.1 Test Result

5G NR n5 SCS=15kHz SISO 5MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	826.5	Outer_Full	4.54	5.08	/	Pass
	836.5	Outer_Full	4.52	5.05	/	Pass
	846.5	Outer_Full	4.54	5.06	/	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	4.53	5.08	/	Pass
	836.5	Outer_Full	4.53	5.04	/	Pass
	846.5	Outer_Full	4.52	5.04	/	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	4.55	5.06	/	Pass
	836.5	Outer_Full	4.55	5.05	/	Pass
	846.5	Outer_Full	4.55	5.03	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.54	5.06	/	Pass
	836.5	Outer_Full	4.53	5.04	/	Pass
	846.5	Outer_Full	4.52	5.00	/	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	4.51	5.05	/	Pass
	836.5	Outer_Full	4.54	5.11	/	Pass
	846.5	Outer_Full	4.51	5.05	/	Pass
CP-OFDM QPSK	826.5	Outer_Full	4.54	5.08	/	Pass
	836.5	Outer_Full	4.52	5.10	/	Pass
	846.5	Outer_Full	4.53	5.08	/	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	4.54	5.07	/	Pass
	836.5	Outer_Full	4.57	5.09	/	Pass
	846.5	Outer_Full	4.52	5.08	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.53	5.09	/	Pass
	836.5	Outer_Full	4.52	5.10	/	Pass
	846.5	Outer_Full	4.53	5.09	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.53	5.16	/	Pass
	836.5	Outer_Full	4.55	5.05	/	Pass
	846.5	Outer_Full	4.54	5.11	/	Pass

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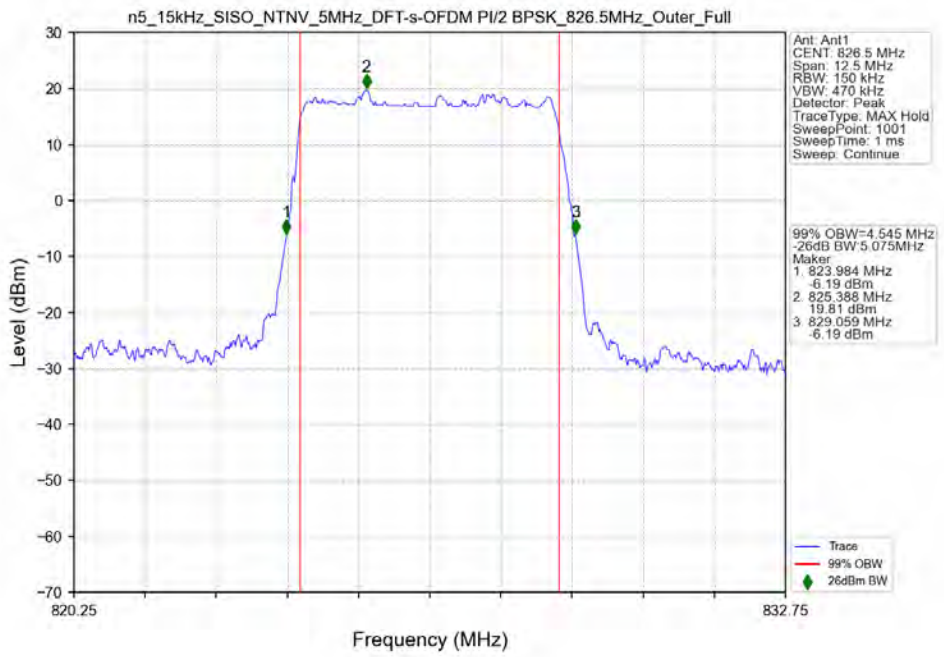
3.1.2 Test Graph

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_826.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Outer_Full

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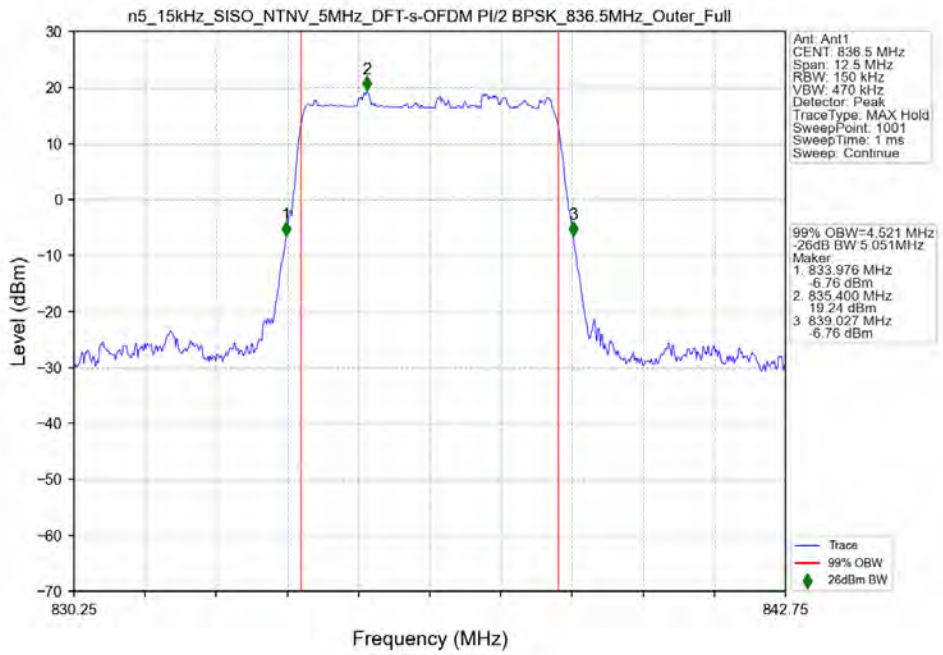

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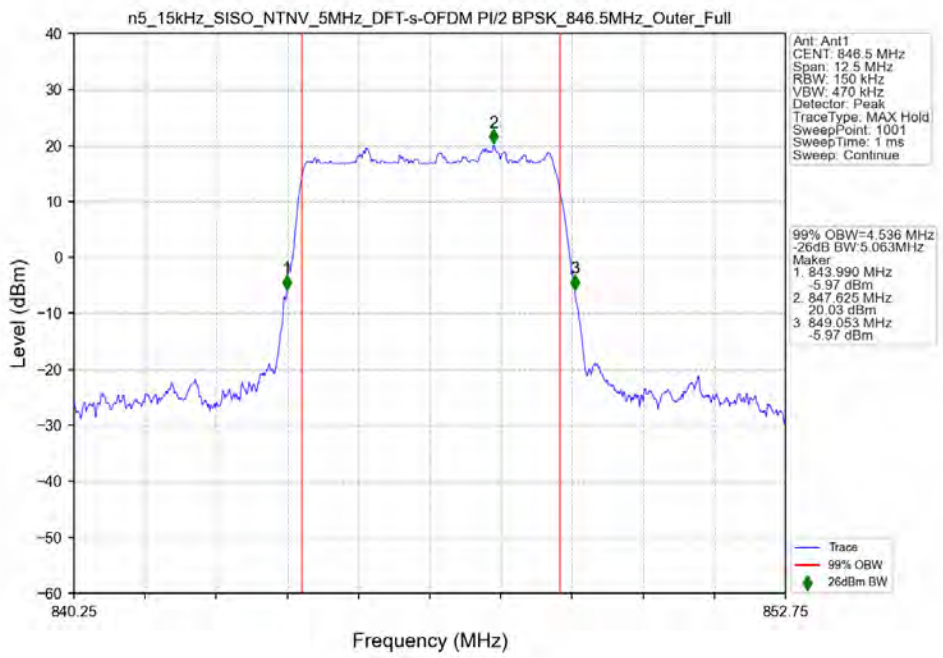
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_846.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_826.5MHz_Outer_Full

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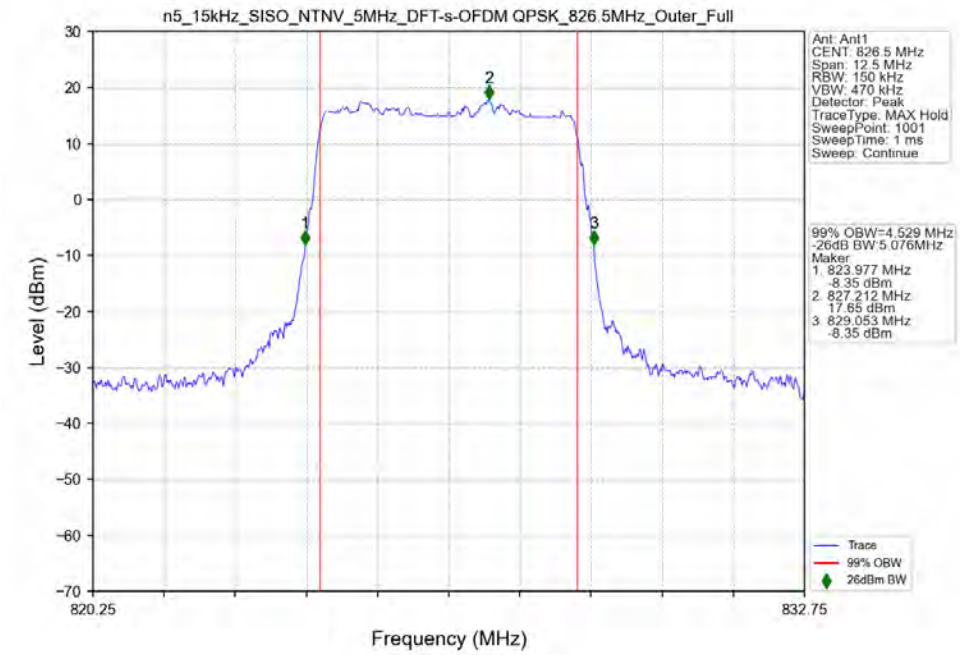

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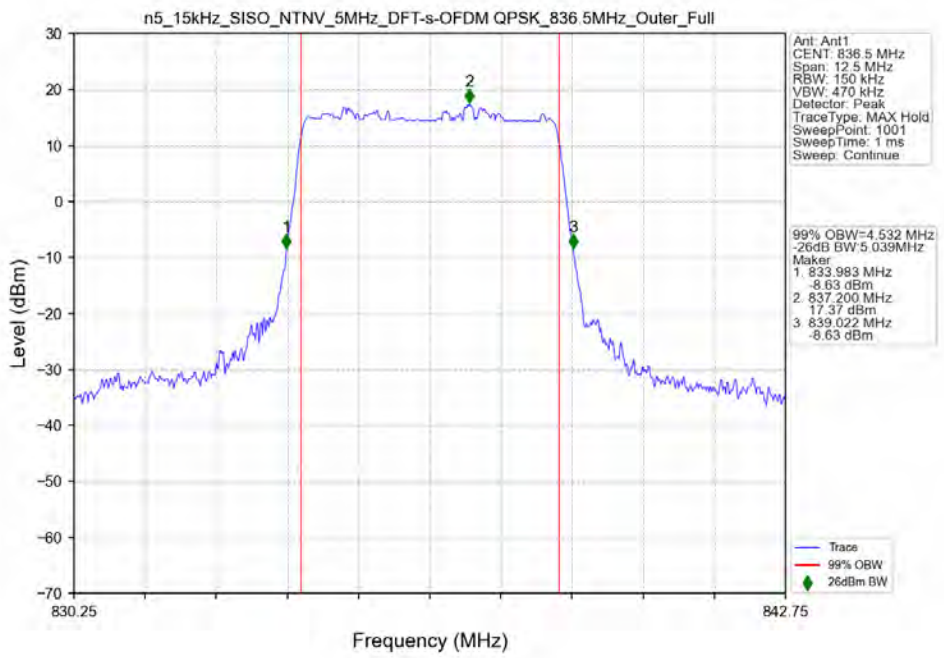
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_846.5MHz_Outer_Full

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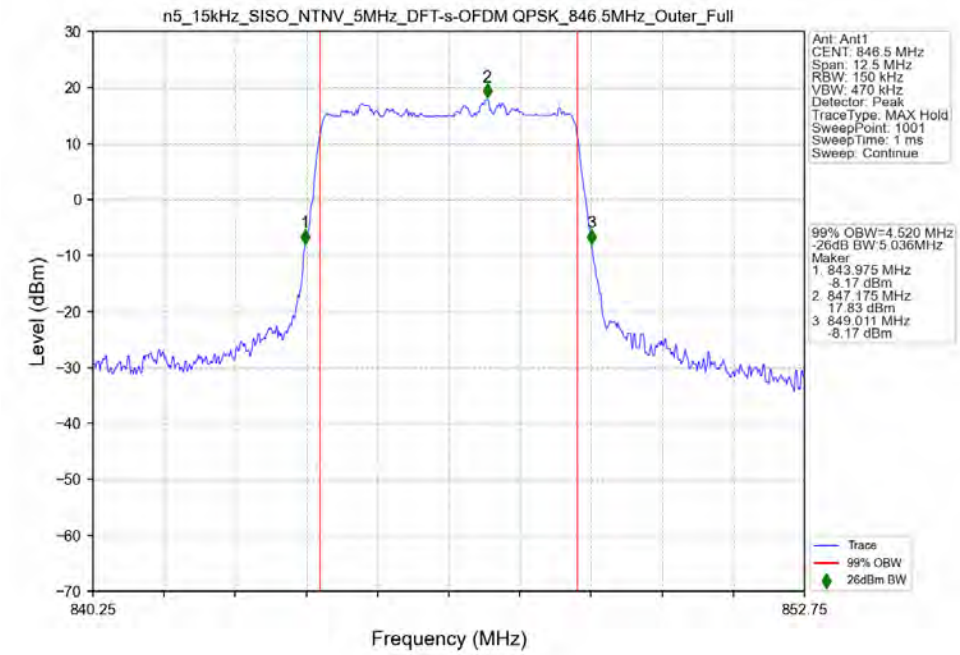

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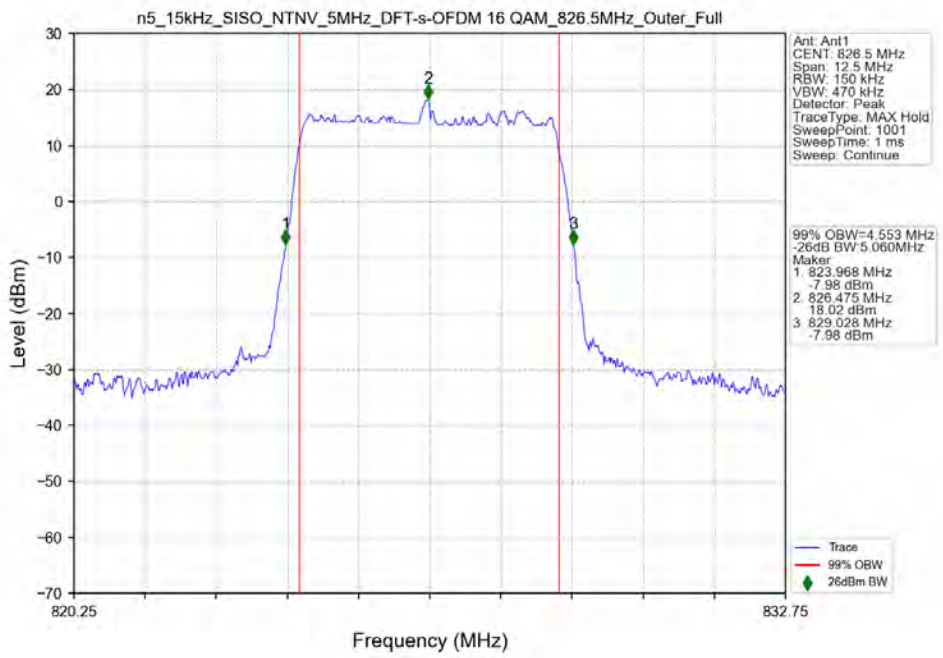
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_826.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_836.5MHz_Outer_Full

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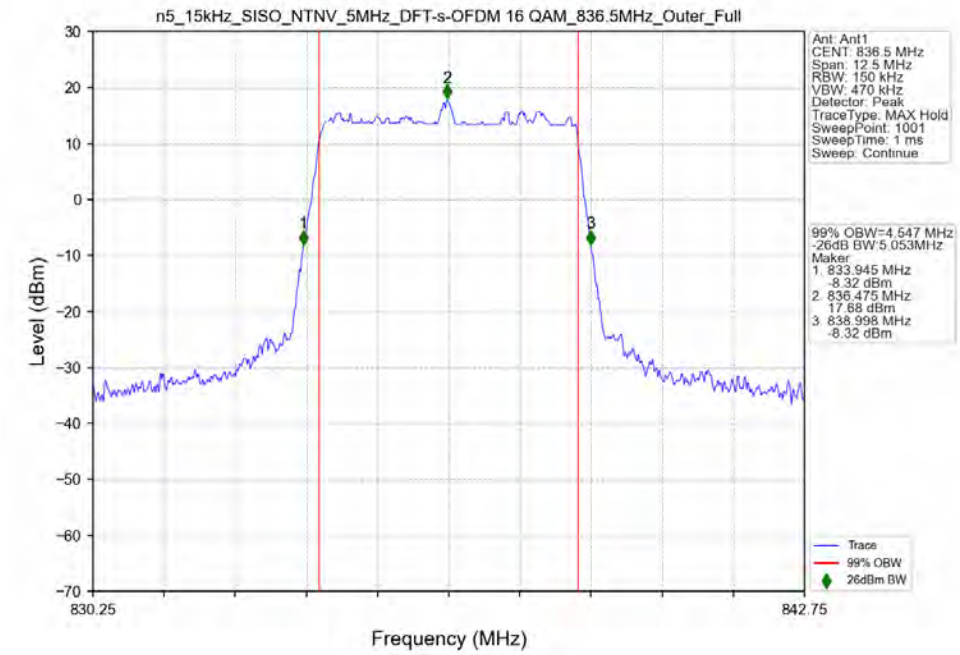

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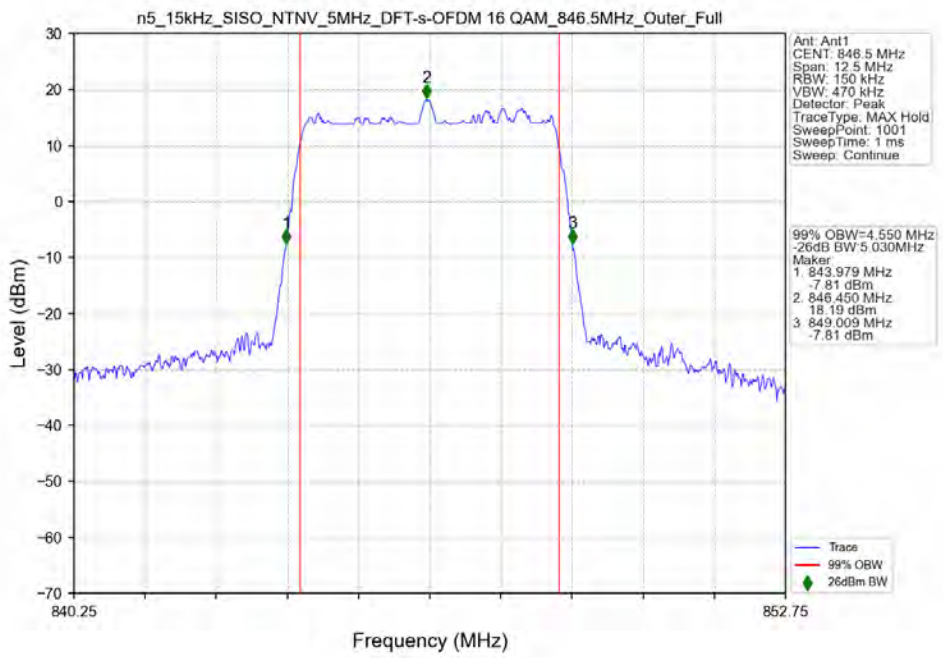
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_846.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_826.5MHz_Outer_Full

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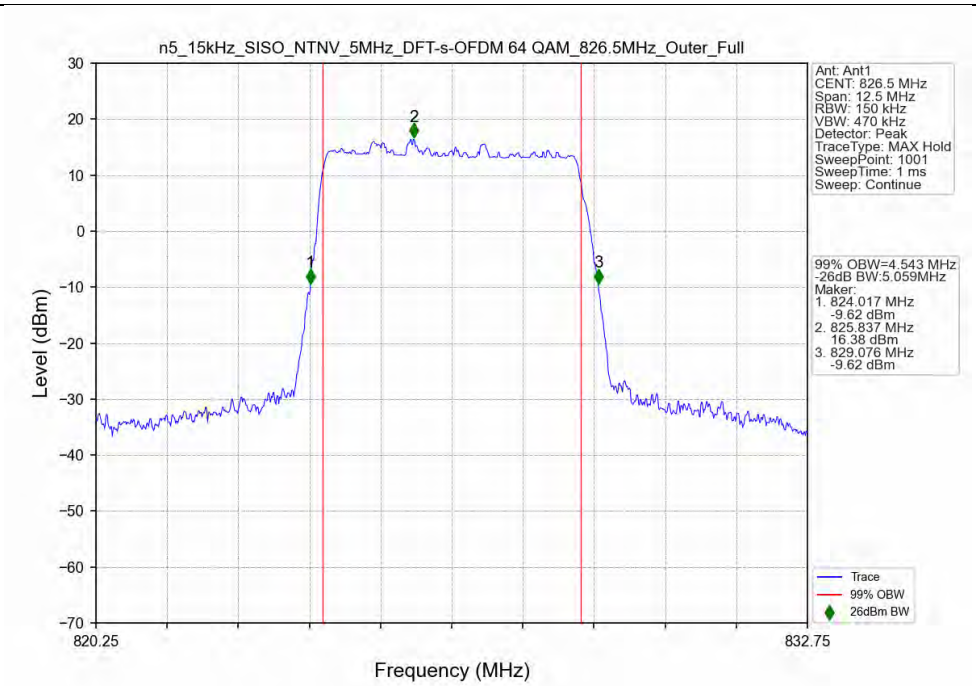

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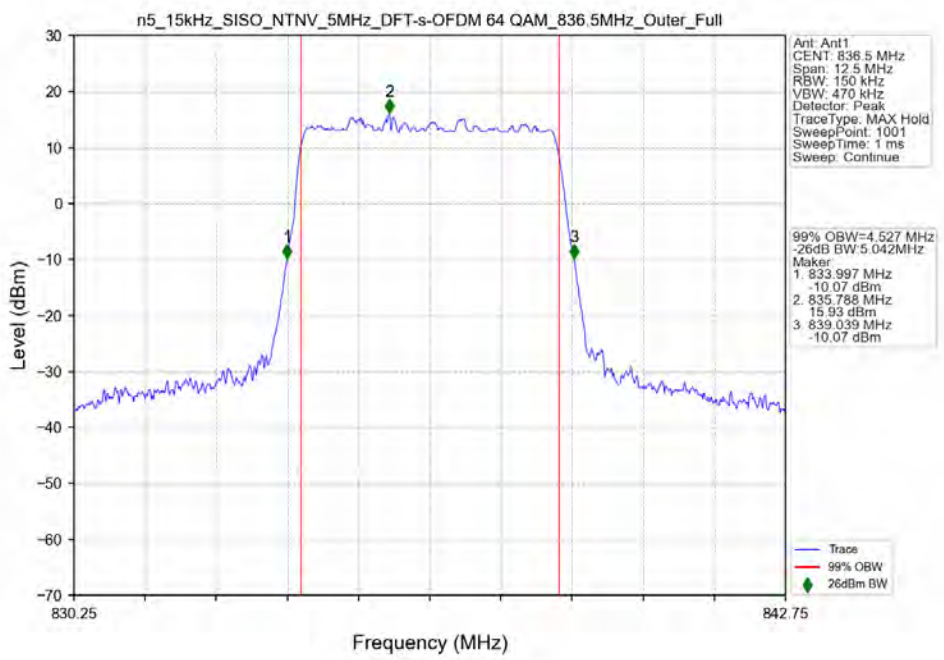
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_846.5MHz_Outer_Full

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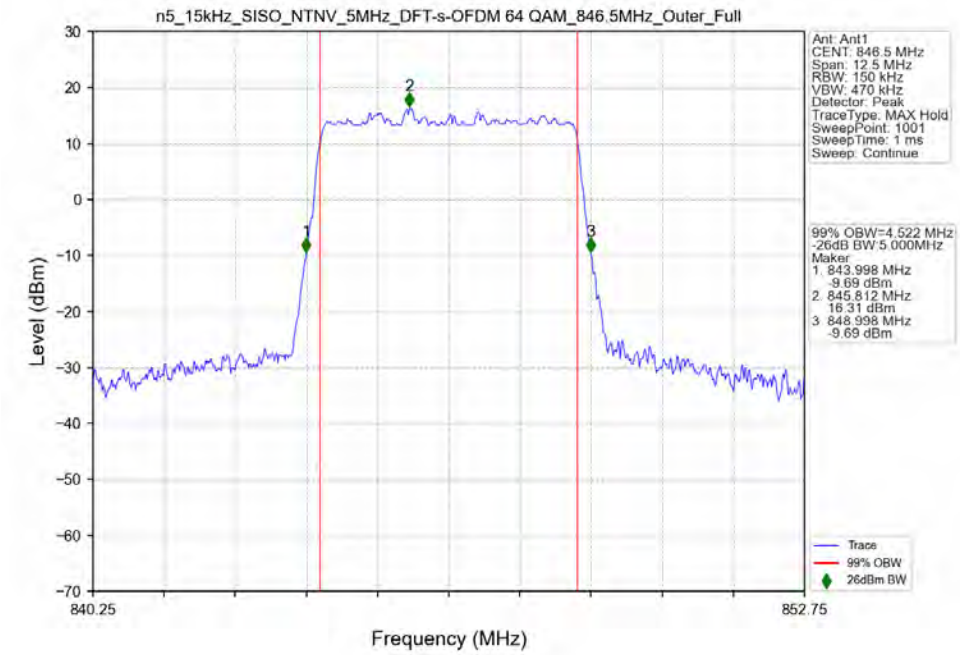

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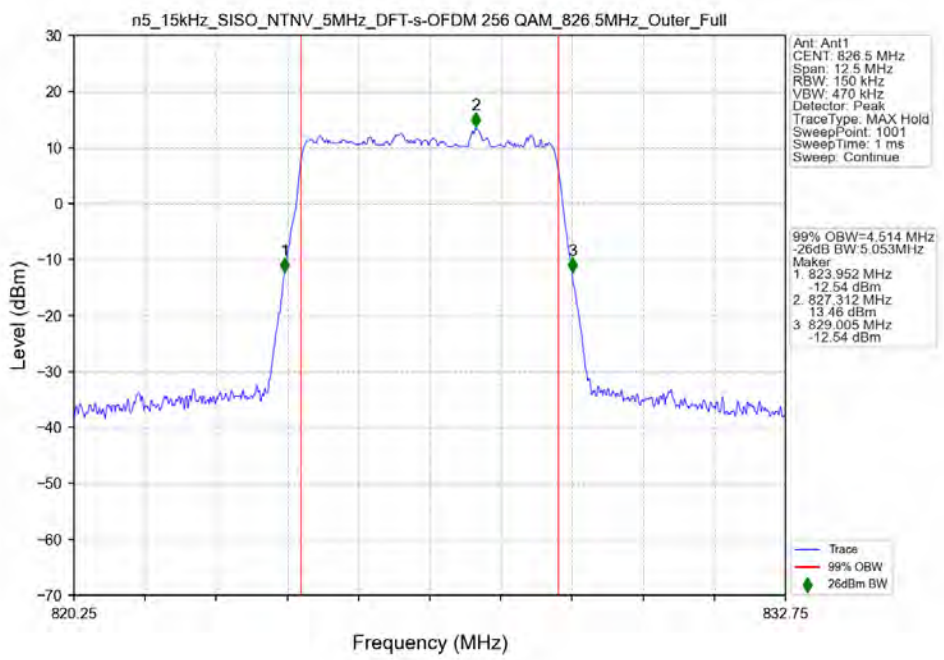

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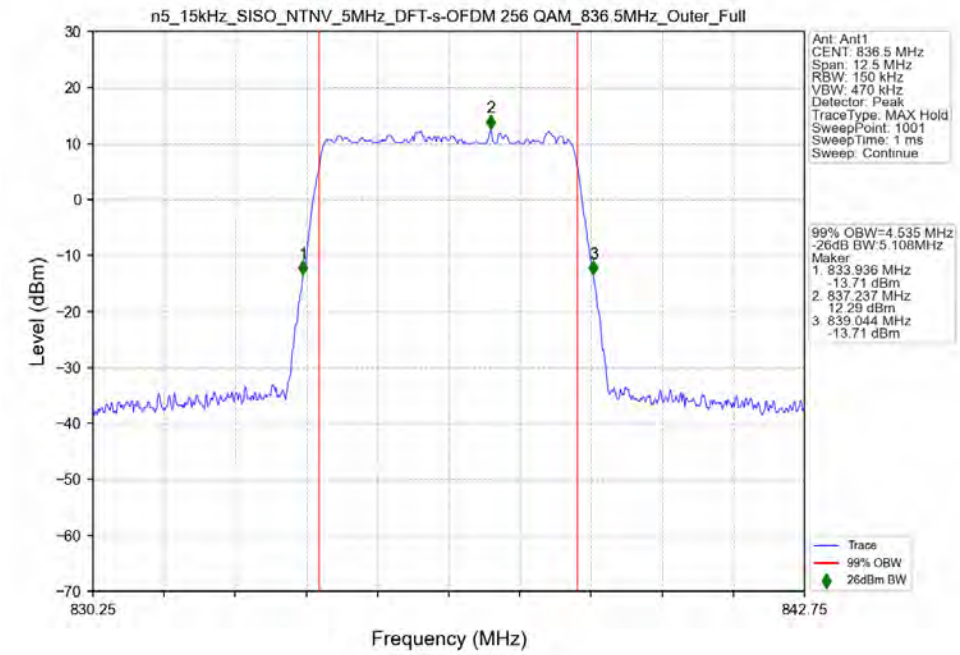

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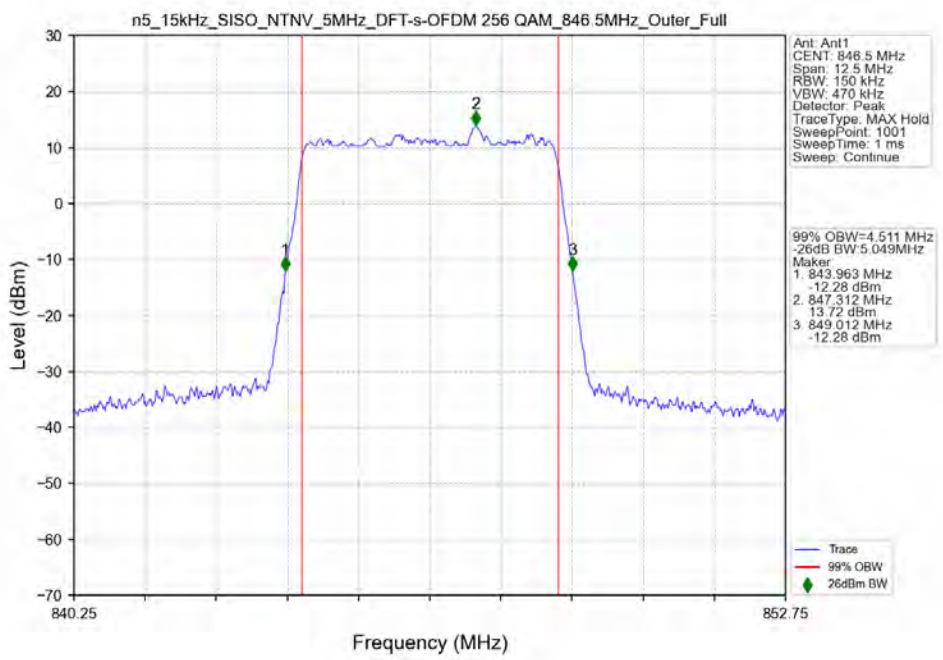

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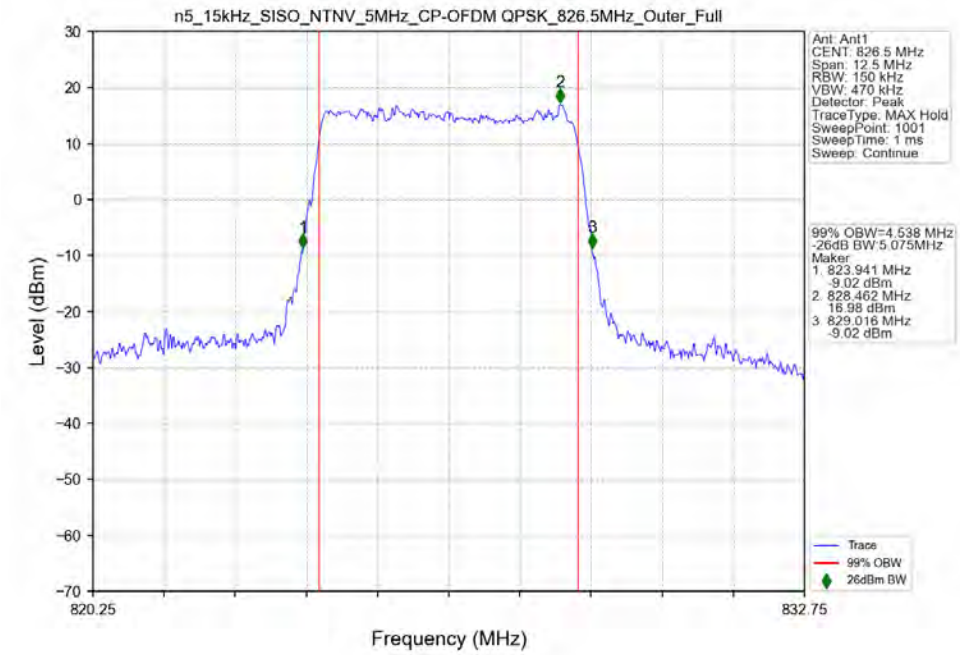

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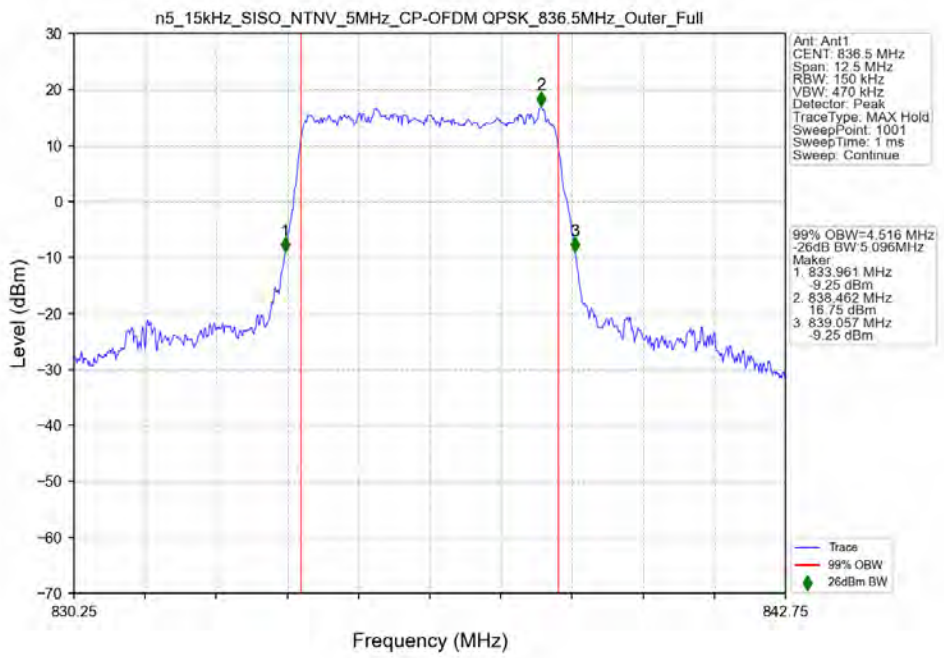

n5_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_846.5MHz_Outer_Full

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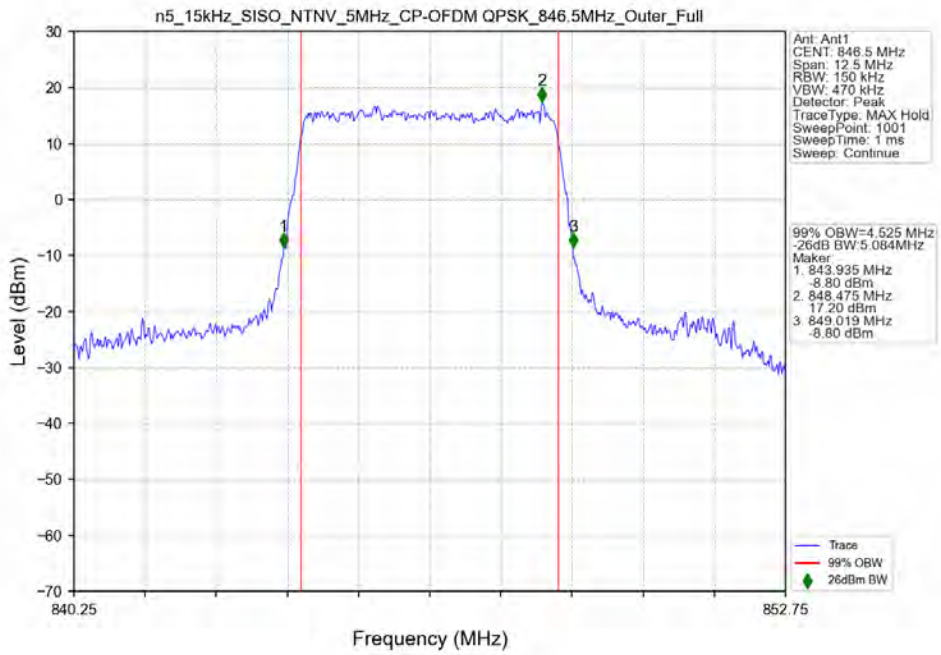

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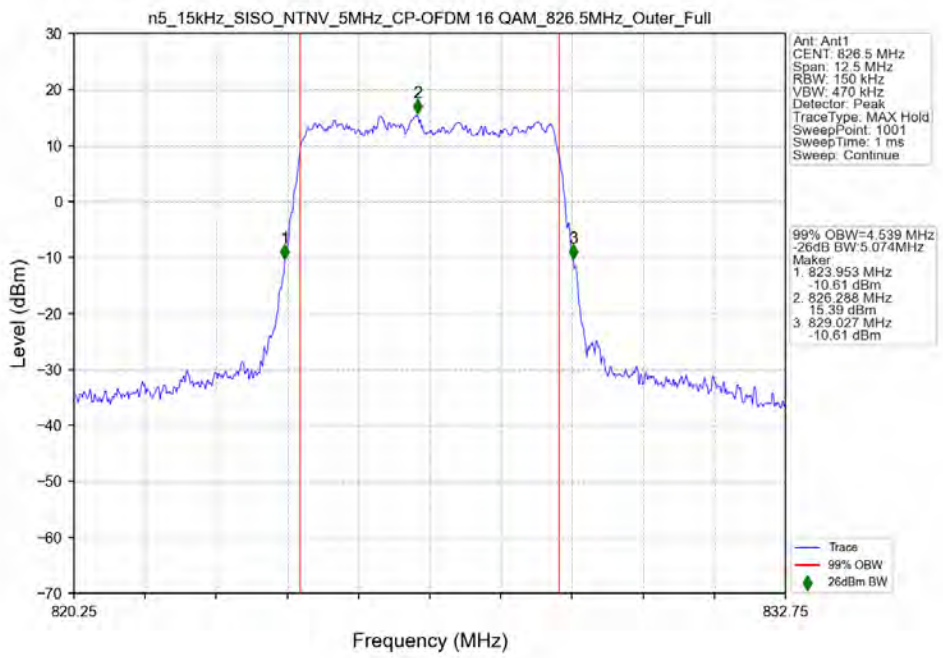
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_826.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_836.5MHz_Outer_Full

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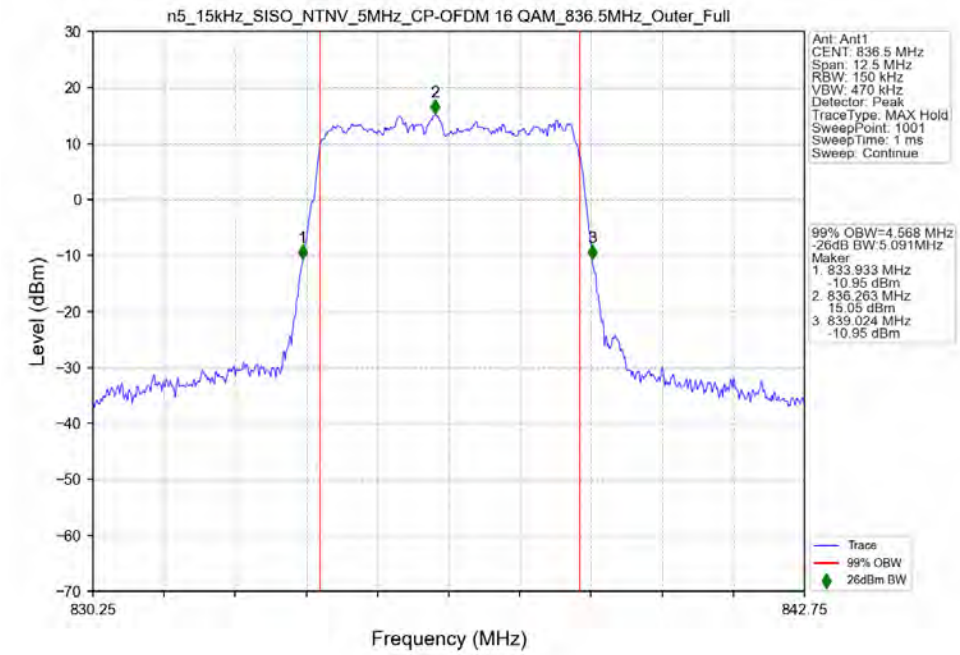

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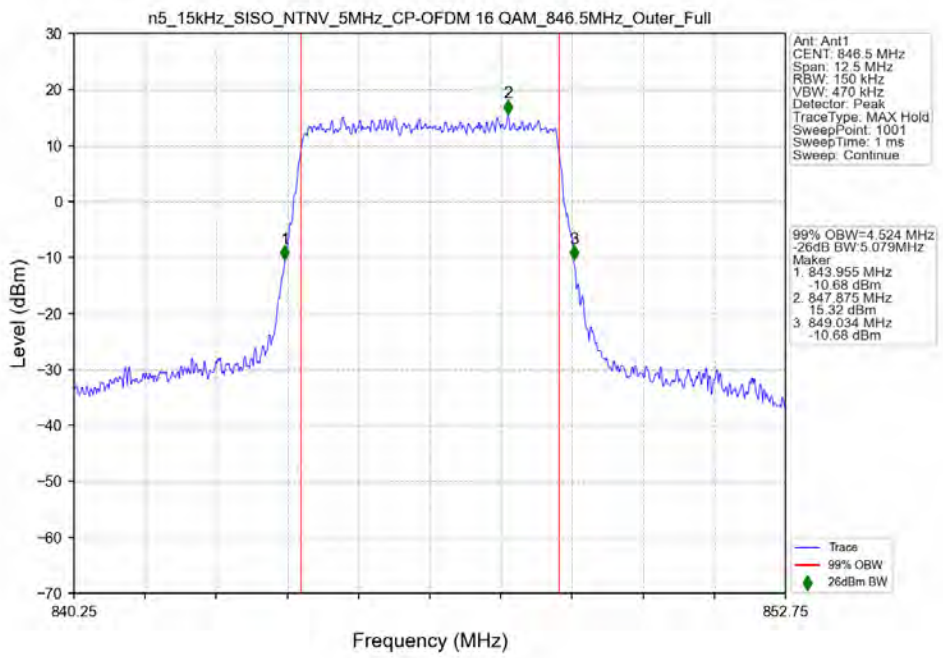
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_846.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_826.5MHz_Outer_Full

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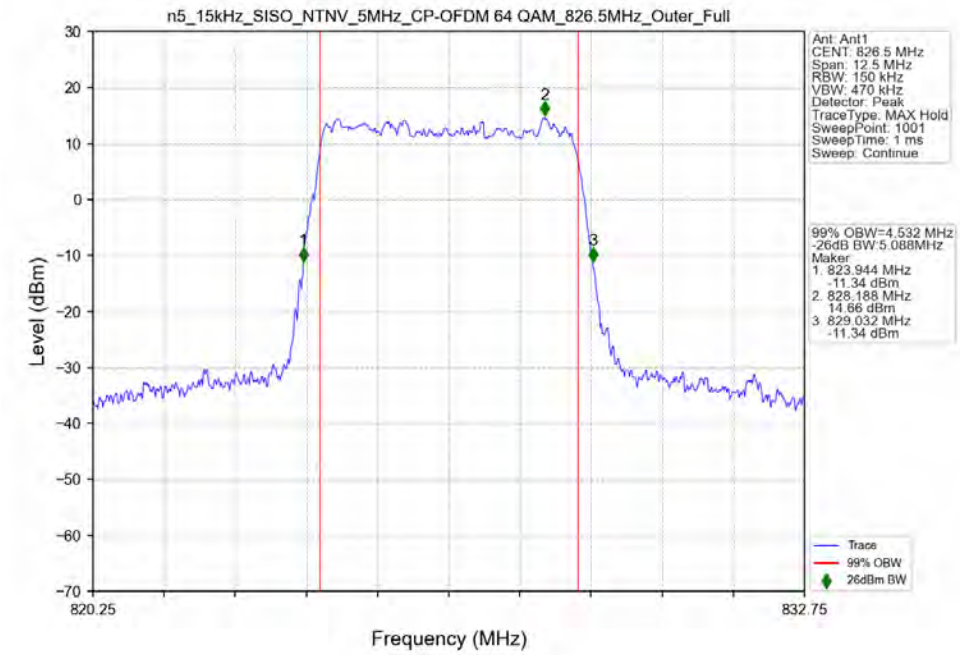

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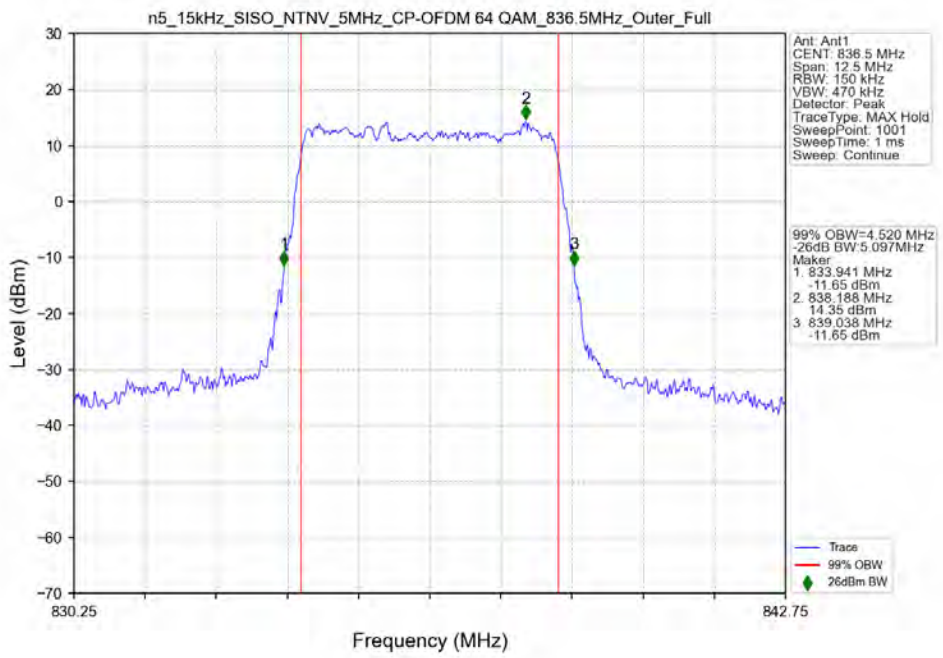
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_846.5MHz_Outer_Full

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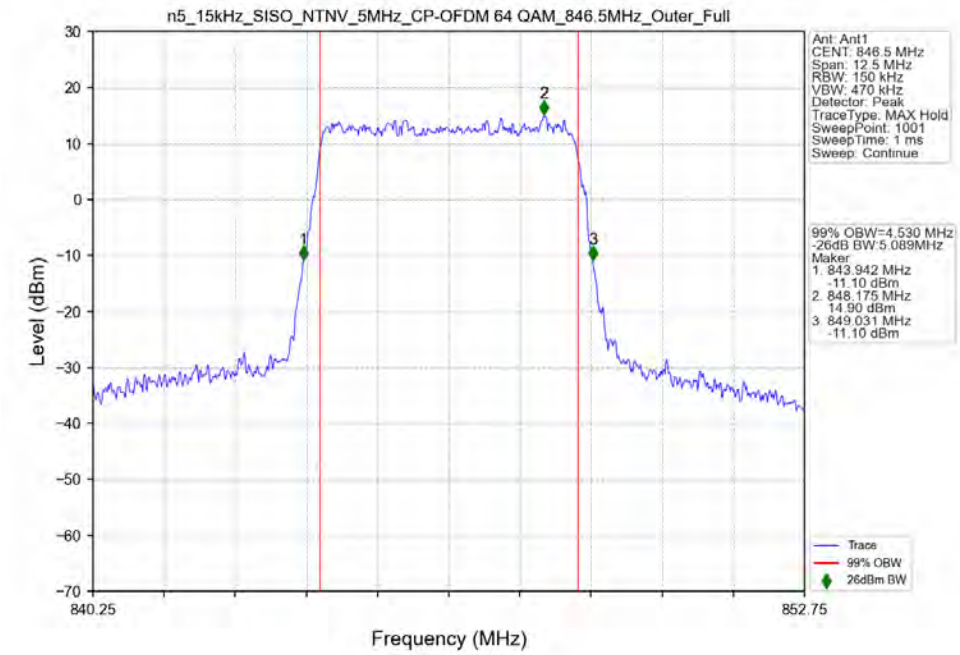

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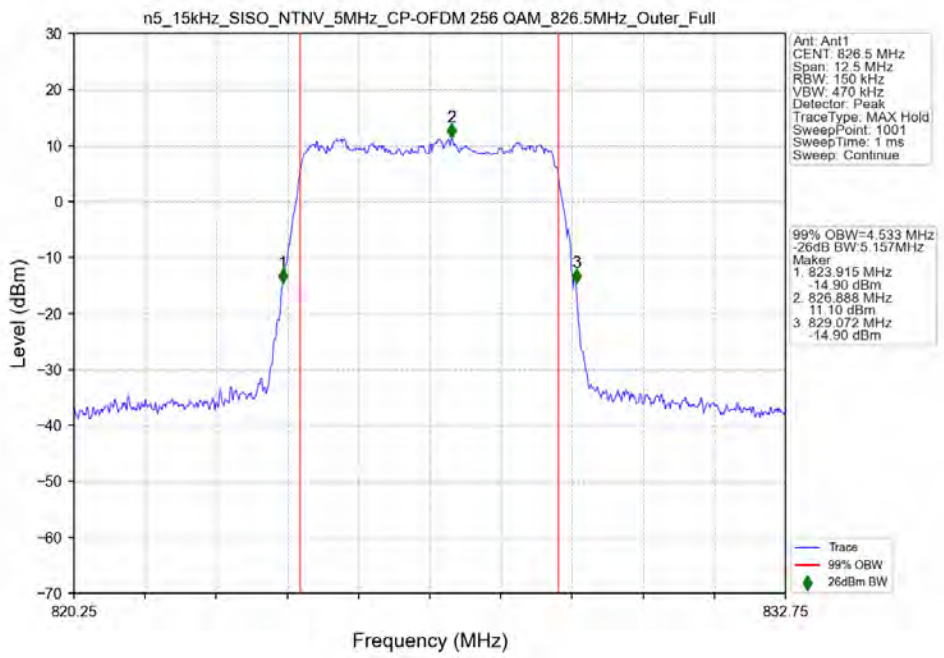

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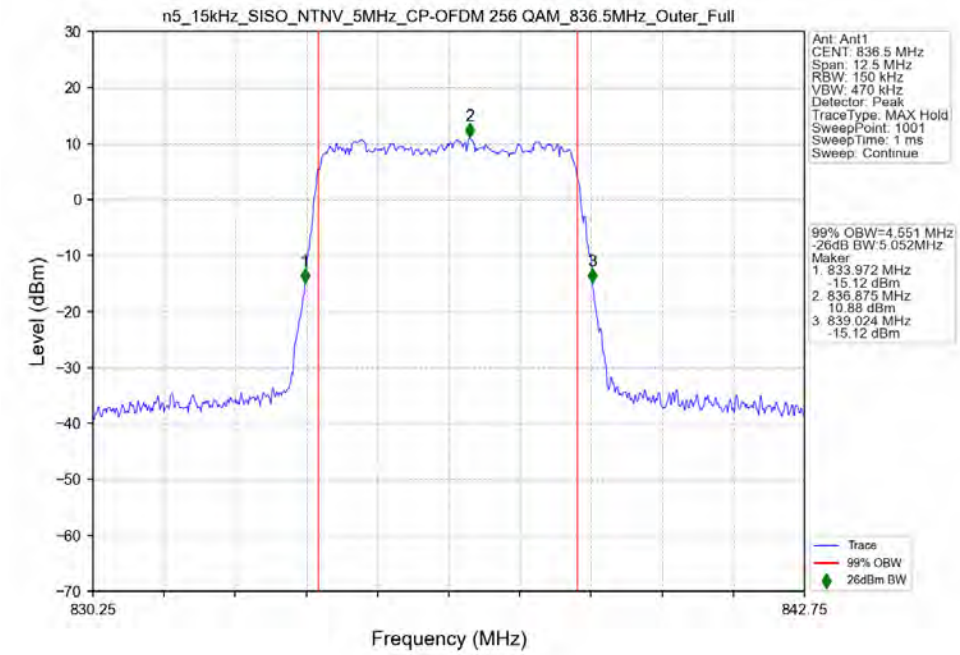

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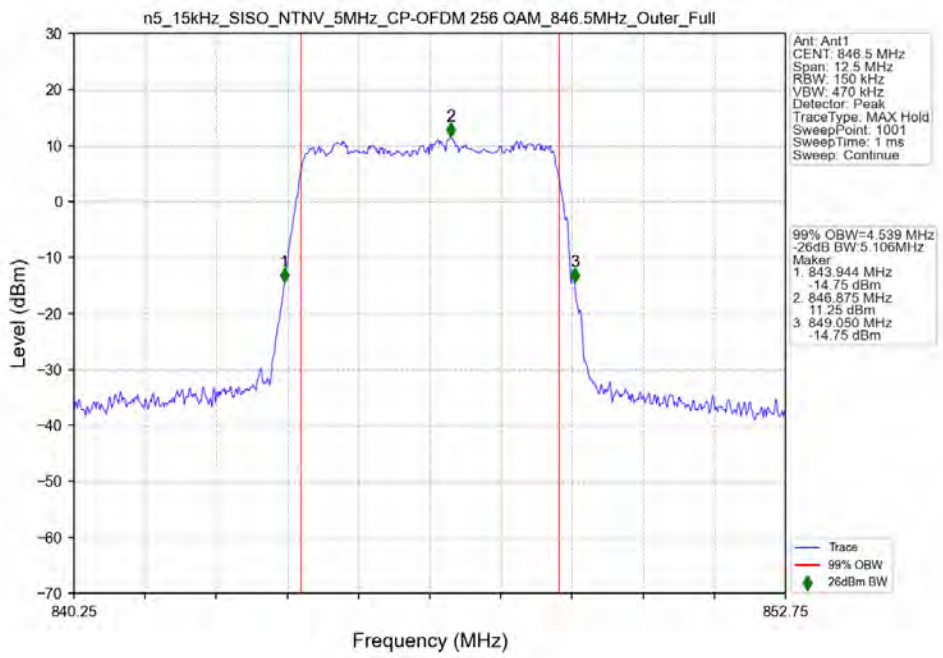

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3.2 15k_SISO_10MHz_NTNV

3.2.1 Test Result

5G NR n5 SCS=15kHz SISO 10MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	829	Outer_Full	9.03	9.80	/	Pass
	836.5	Outer_Full	9.01	9.78	/	Pass
	844	Outer_Full	9.04	9.85	/	Pass
DFT-s-OFDM QPSK	829	Outer_Full	9.07	9.91	/	Pass
	836.5	Outer_Full	9.05	9.86	/	Pass
	844	Outer_Full	9.07	9.85	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.06	9.86	/	Pass
	836.5	Outer_Full	9.04	9.84	/	Pass
	844	Outer_Full	9.06	9.85	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	9.05	9.84	/	Pass
	836.5	Outer_Full	9.02	9.86	/	Pass
	844	Outer_Full	9.04	9.85	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.04	9.93	/	Pass
	836.5	Outer_Full	9.02	9.83	/	Pass
	844	Outer_Full	9.04	9.86	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.37	10.24	/	Pass
	836.5	Outer_Full	9.35	10.24	/	Pass
	844	Outer_Full	9.38	10.25	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	9.37	10.21	/	Pass
	836.5	Outer_Full	9.36	10.18	/	Pass
	844	Outer_Full	9.38	10.20	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	9.34	10.14	/	Pass
	836.5	Outer_Full	9.32	10.10	/	Pass
	844	Outer_Full	9.34	10.16	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	9.39	10.25	/	Pass
	836.5	Outer_Full	9.37	10.18	/	Pass
	844	Outer_Full	9.39	10.21	/	Pass

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3.2.2 Test Graph

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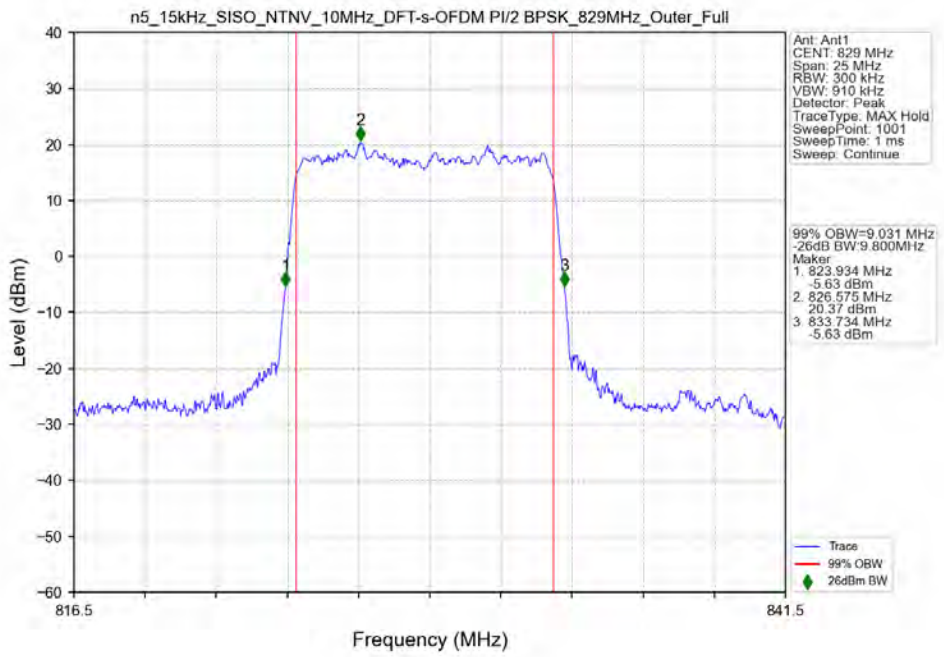

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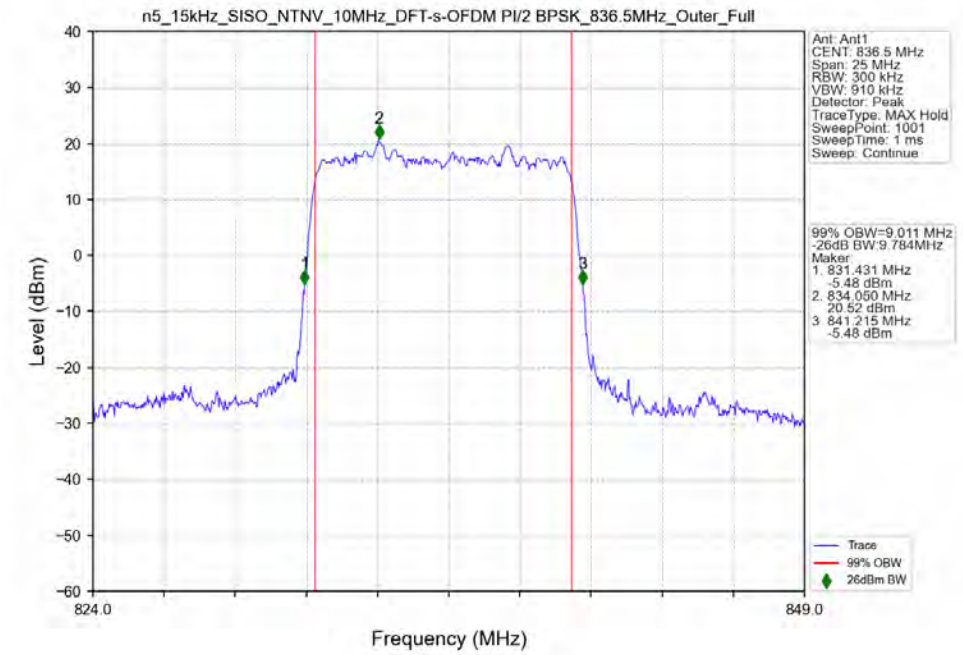

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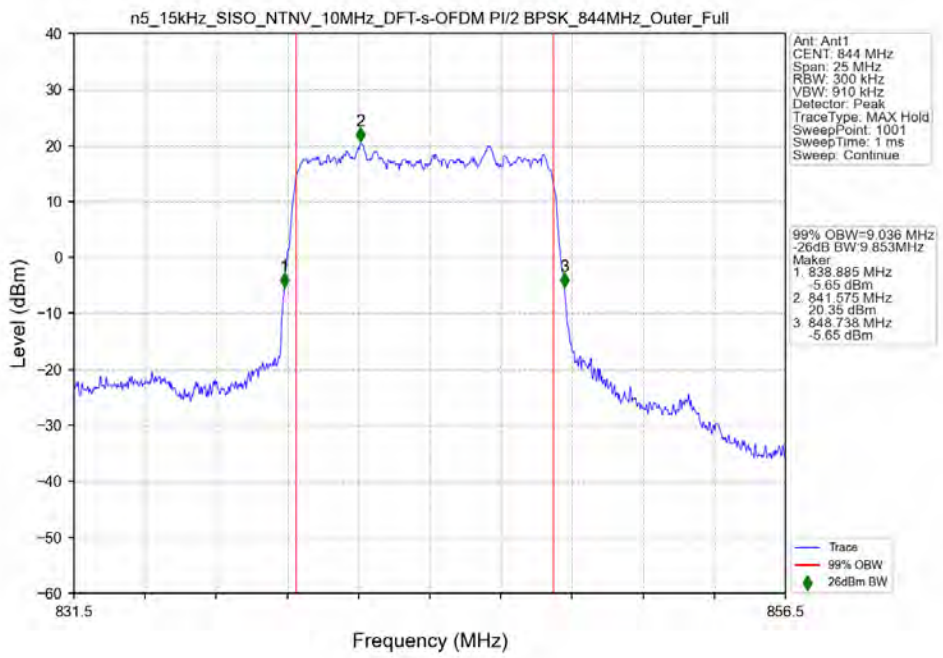
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_844MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_829MHz_Outer_Full

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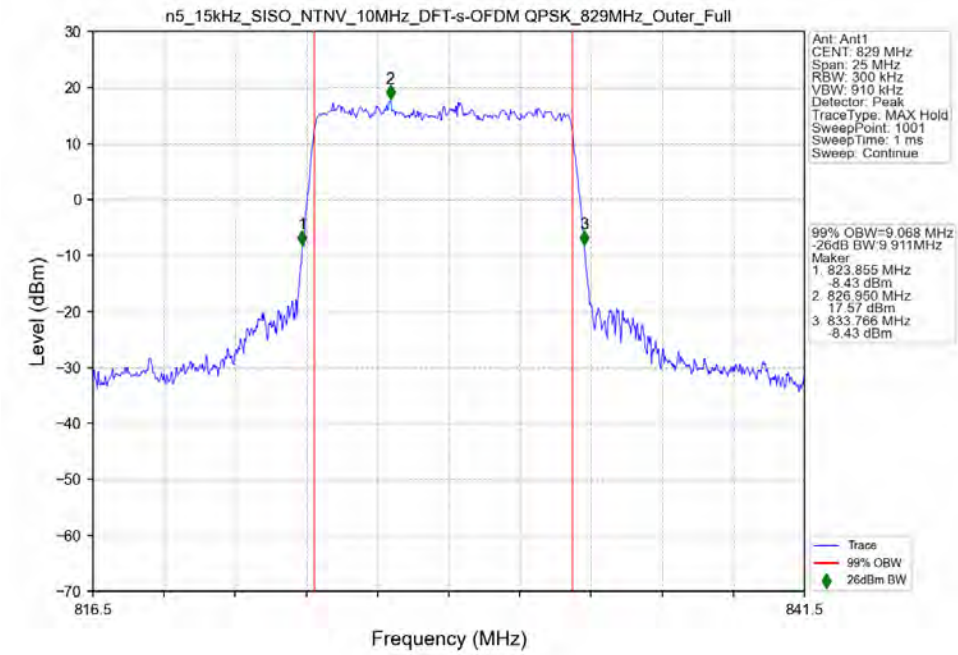

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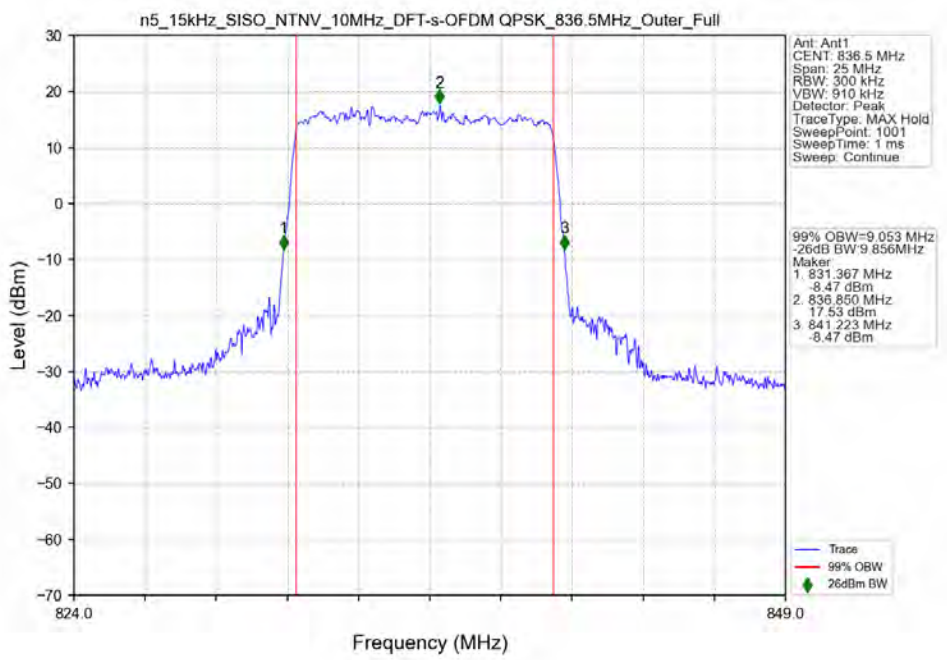
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_844MHz_Outer_Full

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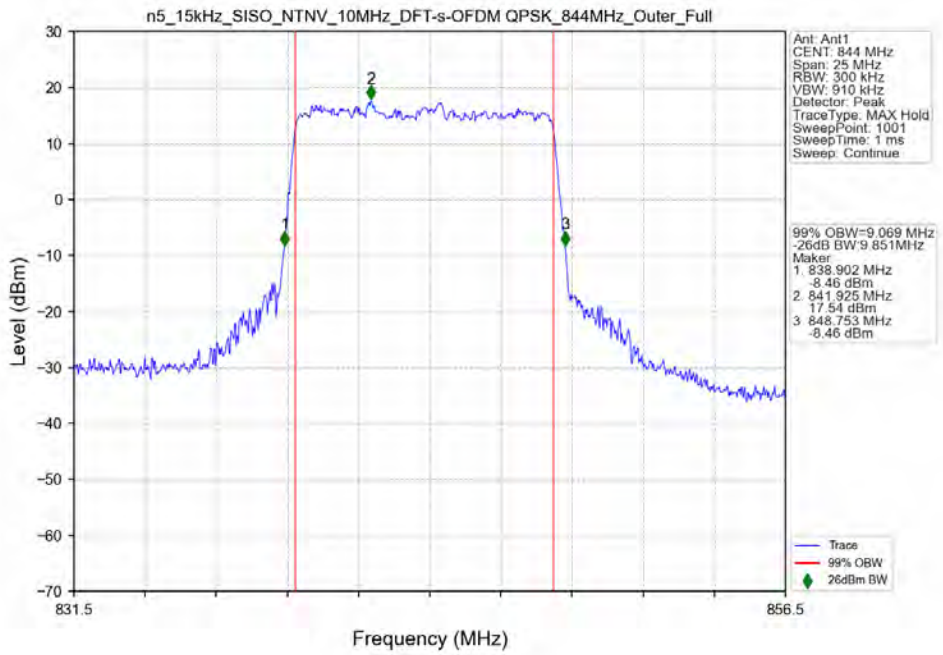

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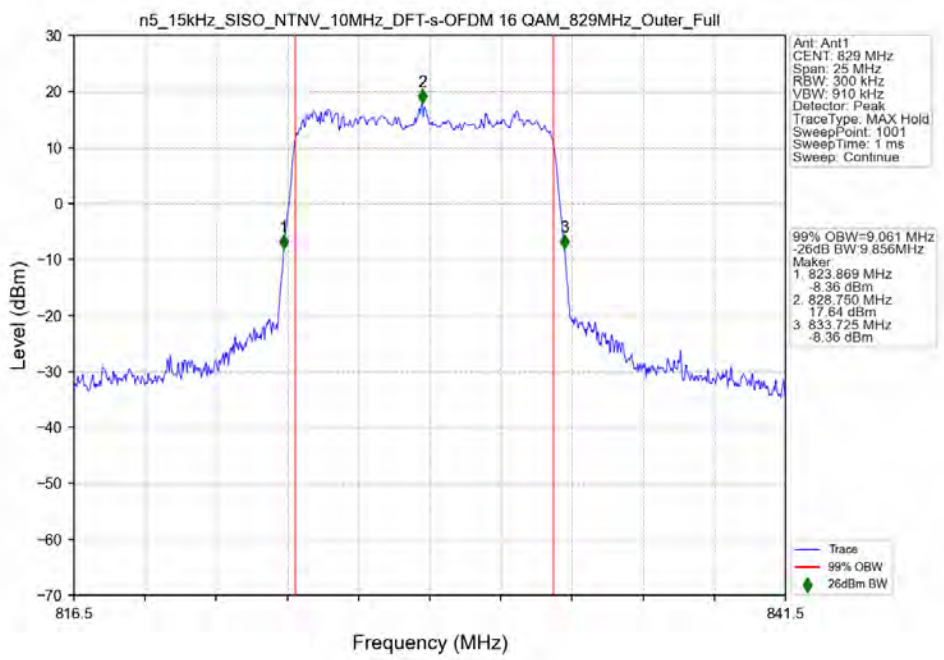
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_829MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_836.5MHz_Outer_Full

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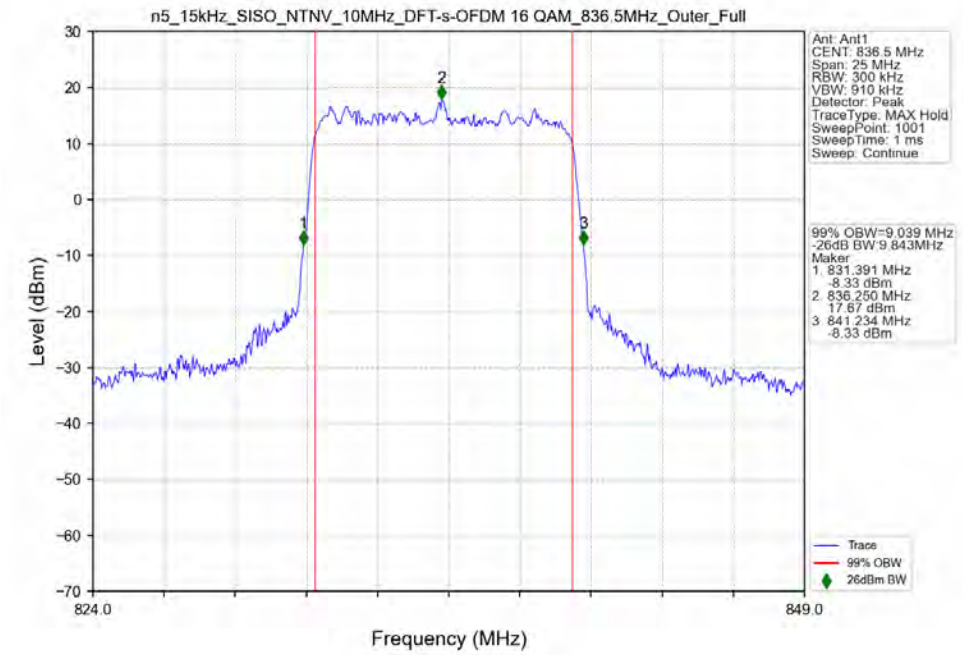

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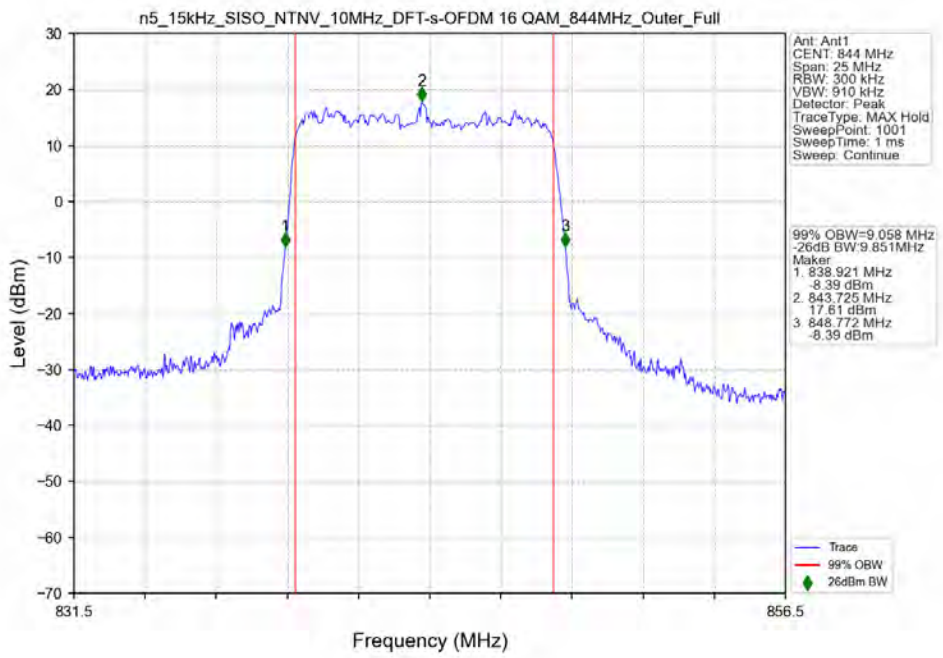
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_844MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_829MHz_Outer_Full

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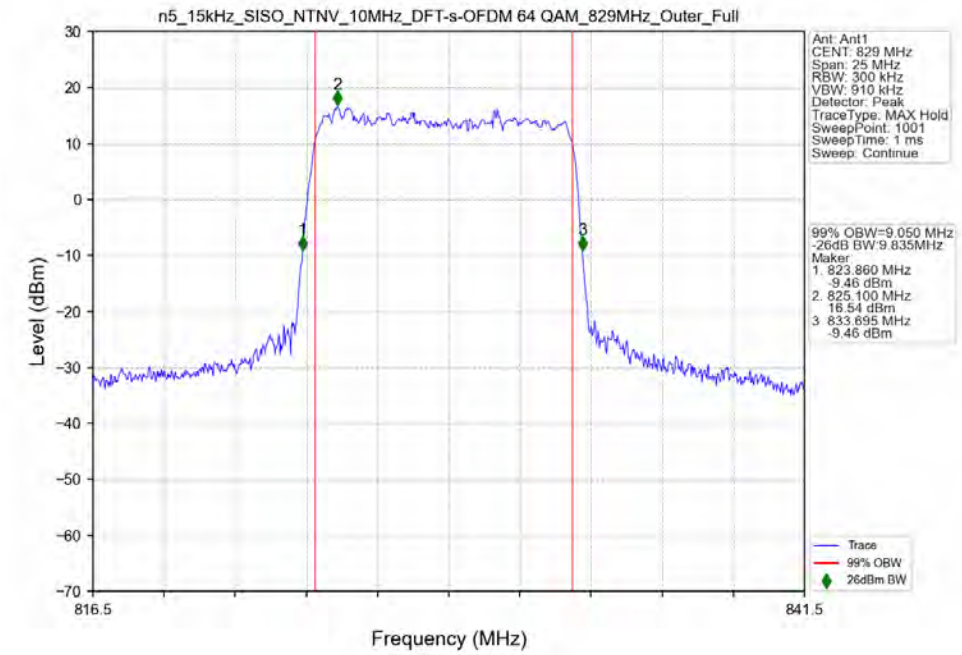

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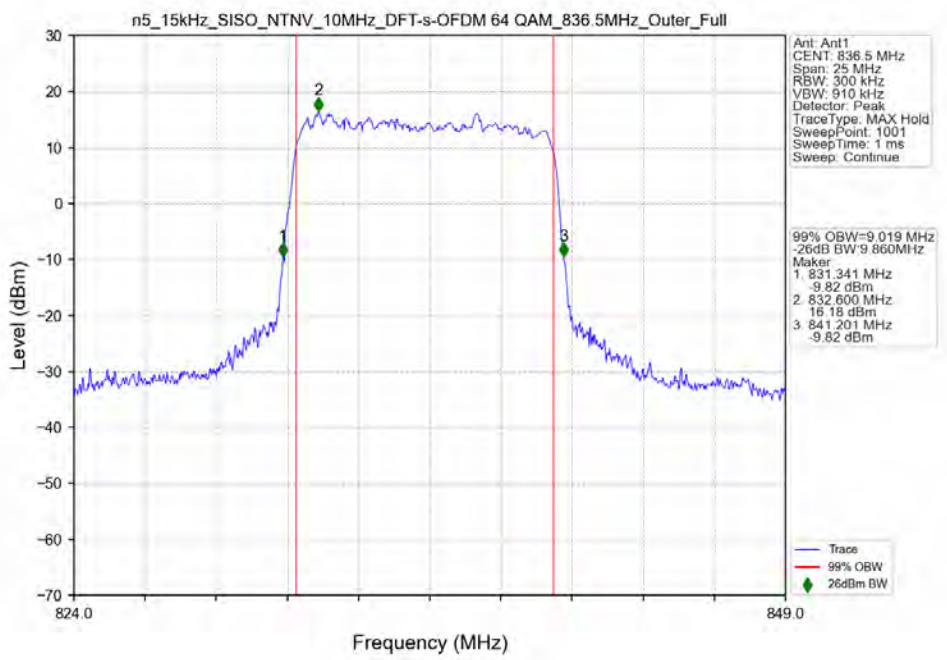
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_836.5MHz_Outer_Full



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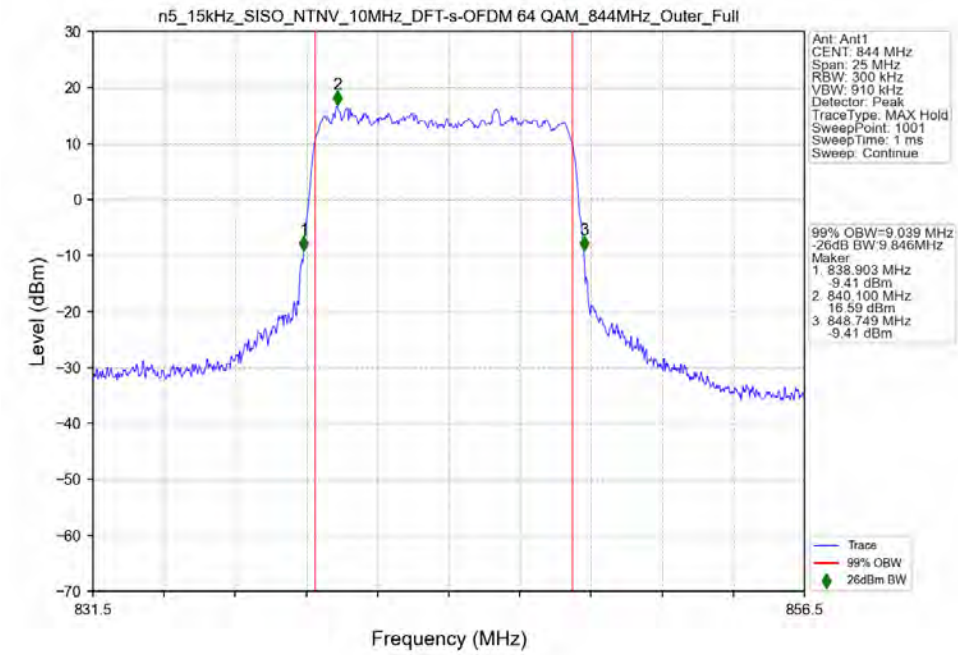

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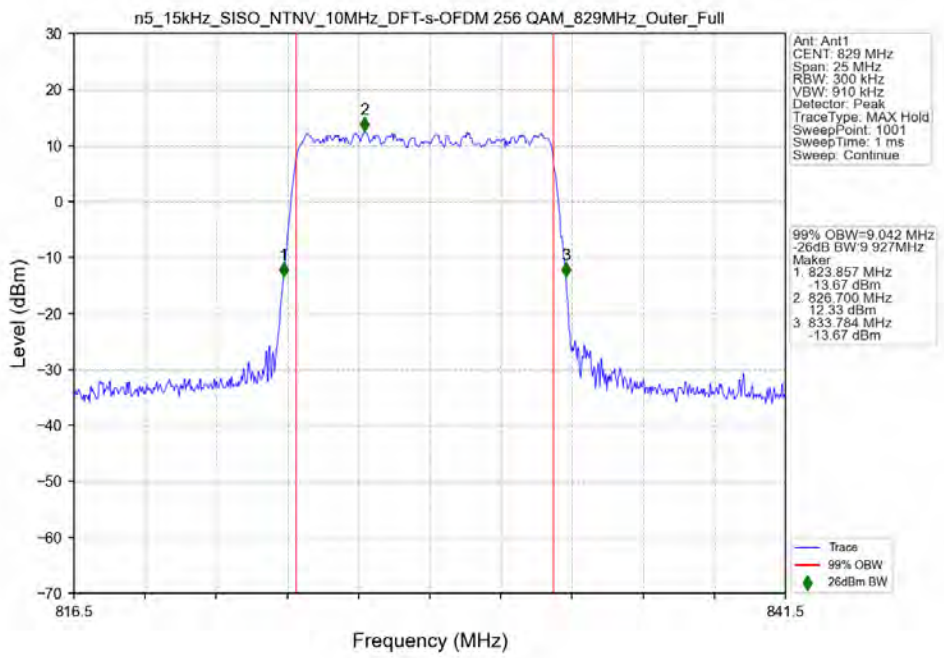
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_829MHz_Outer_Full



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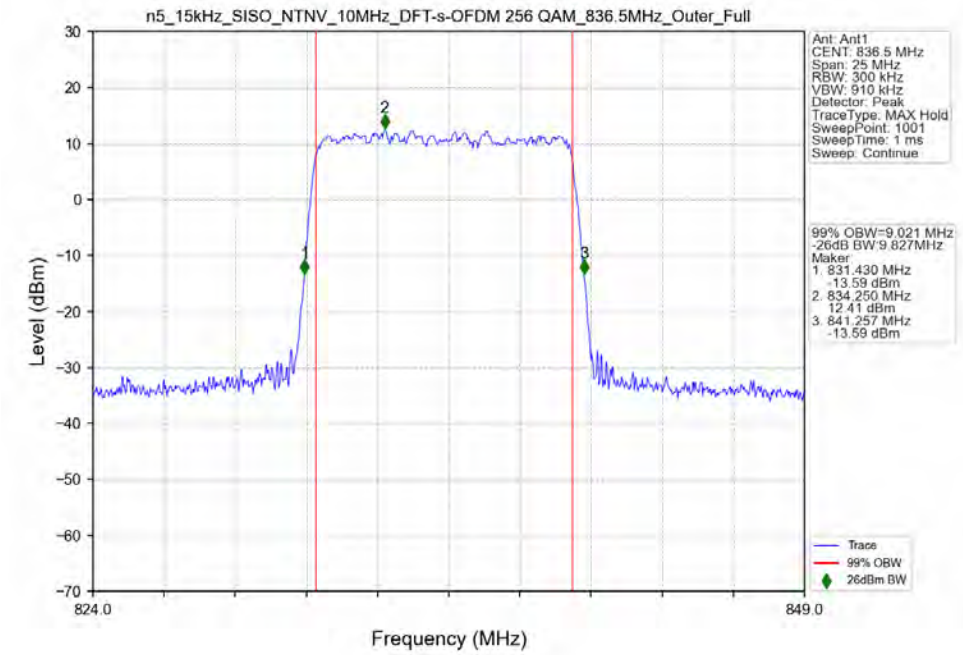

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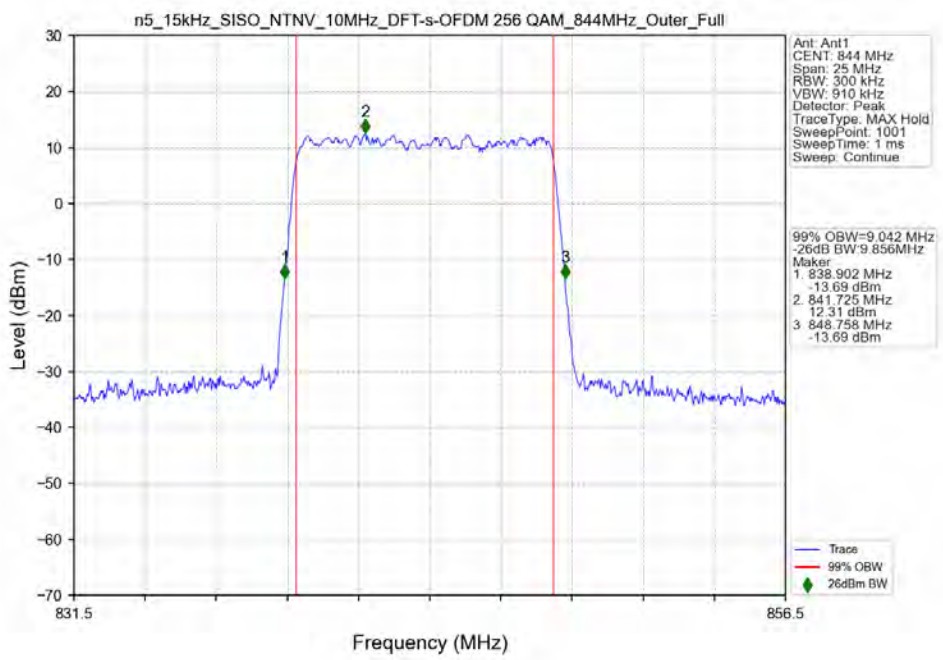

n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_829MHz_Outer_Full

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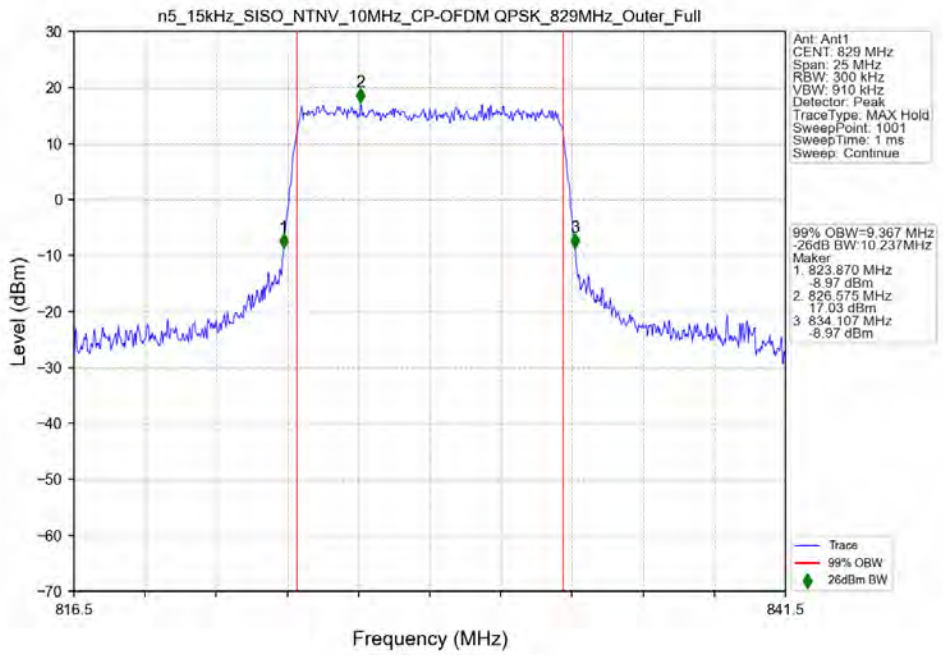

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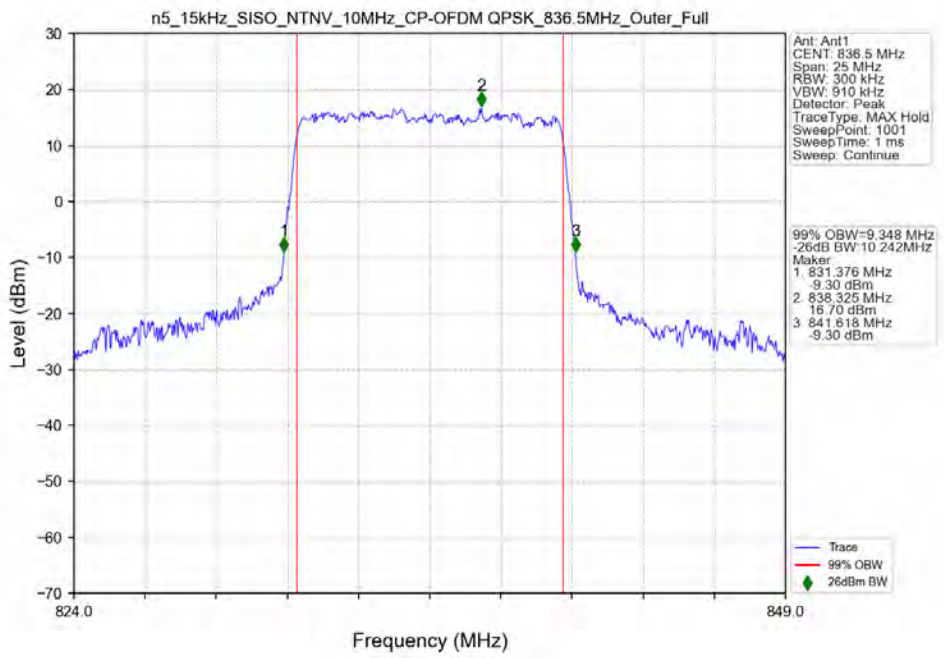
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_844MHz_Outer_Full

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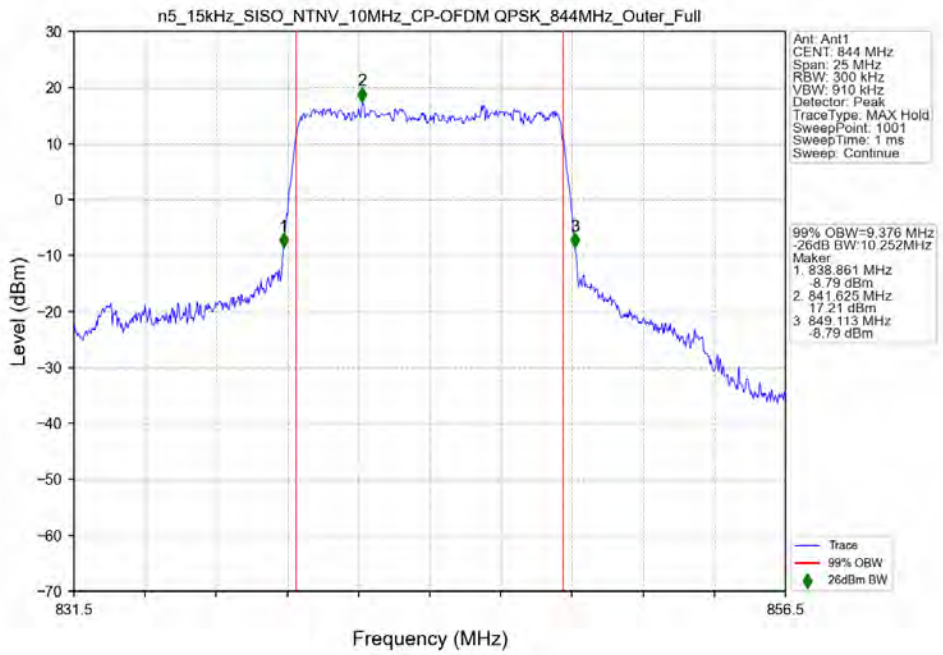

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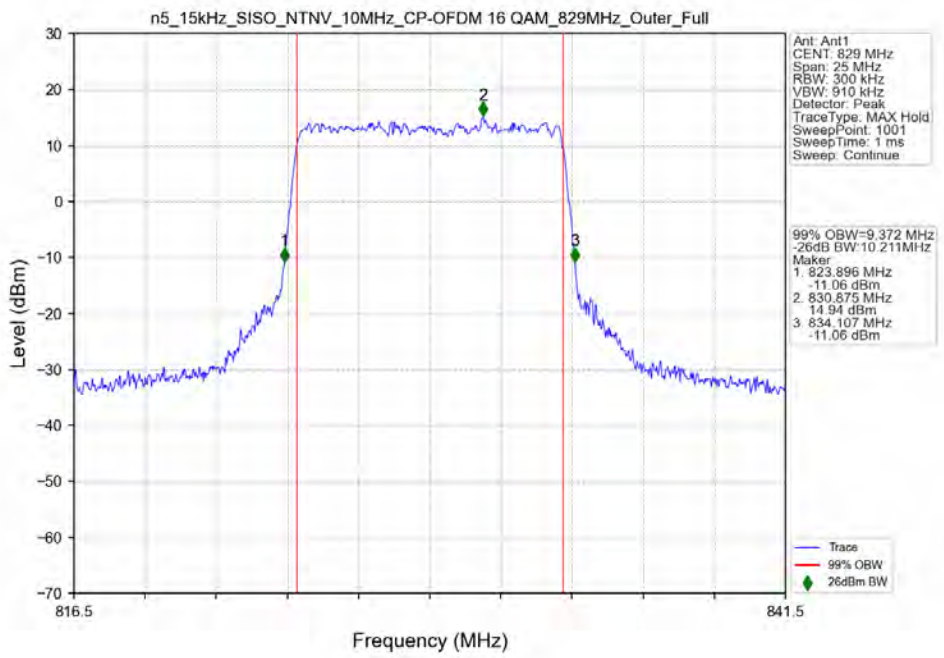
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_829MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_836.5MHz_Outer_Full

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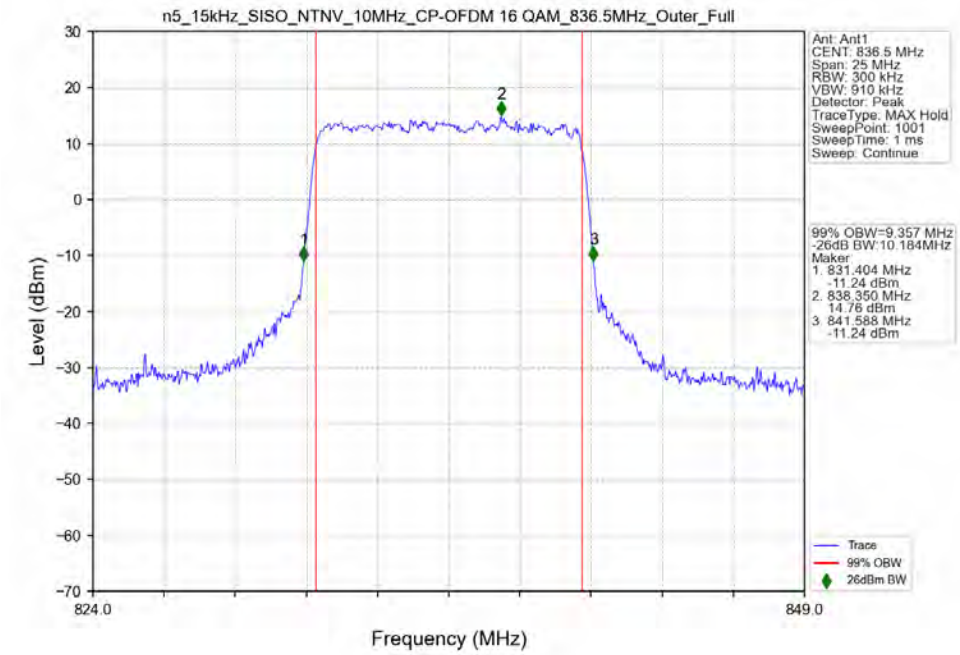

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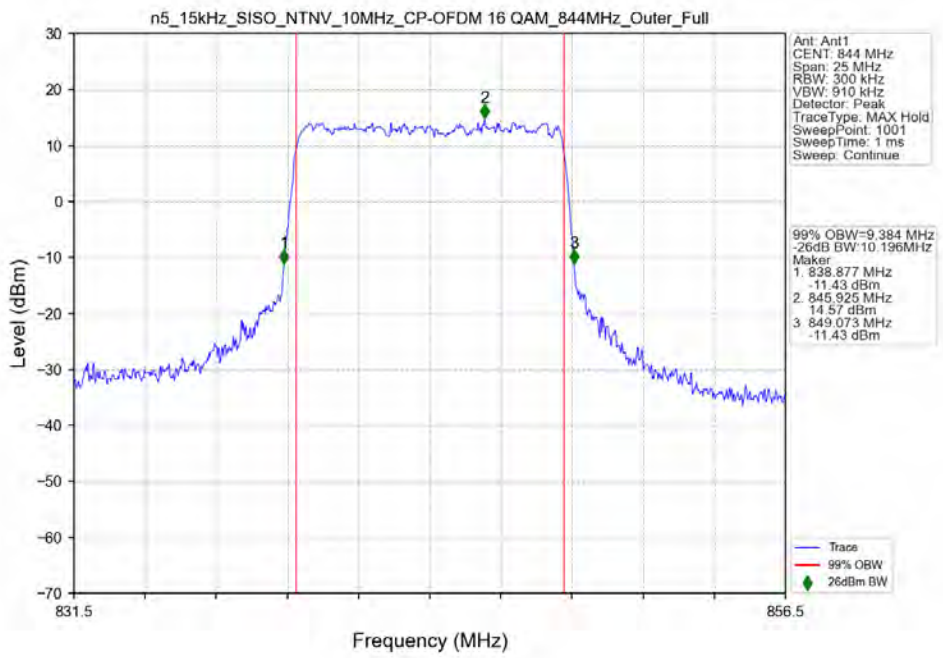
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_844MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_829MHz_Outer_Full

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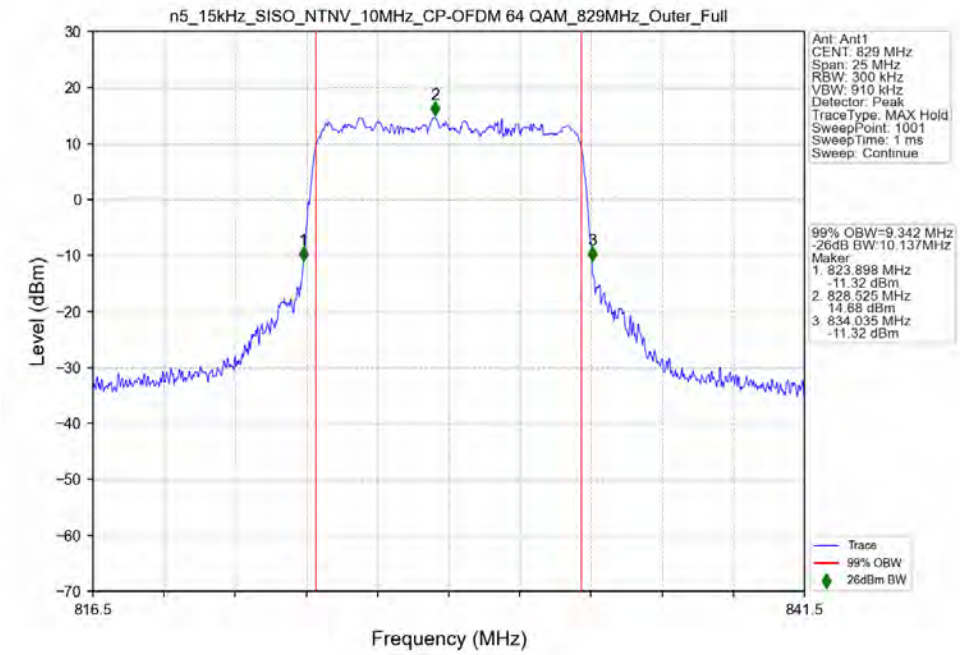

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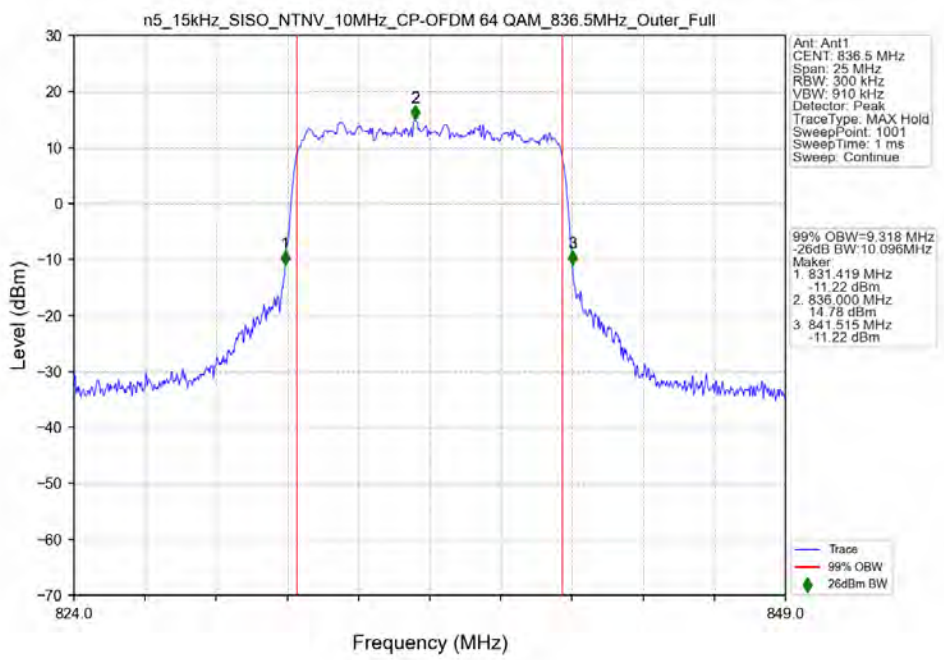

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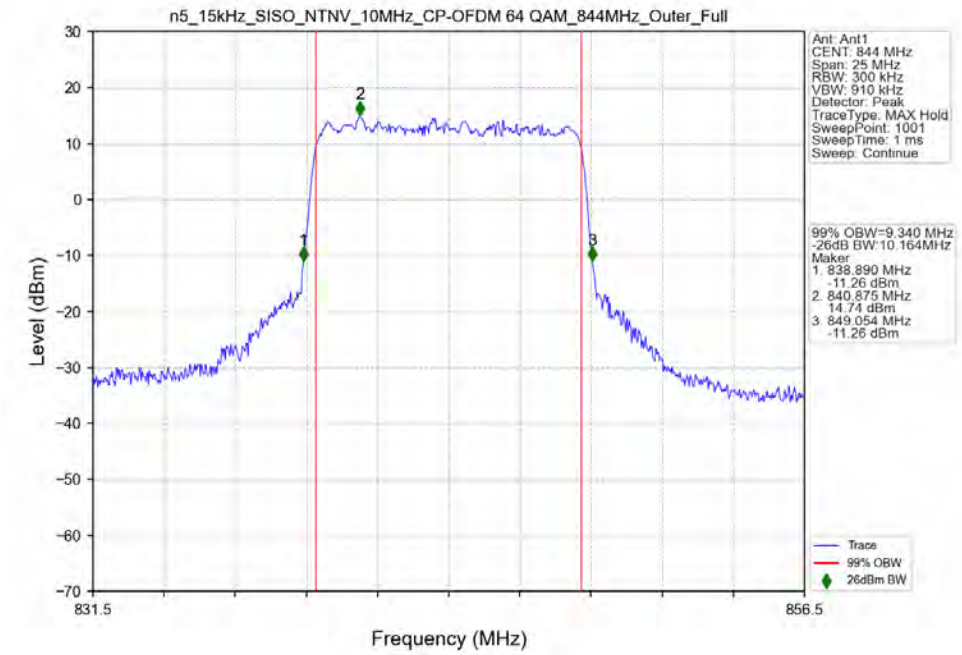

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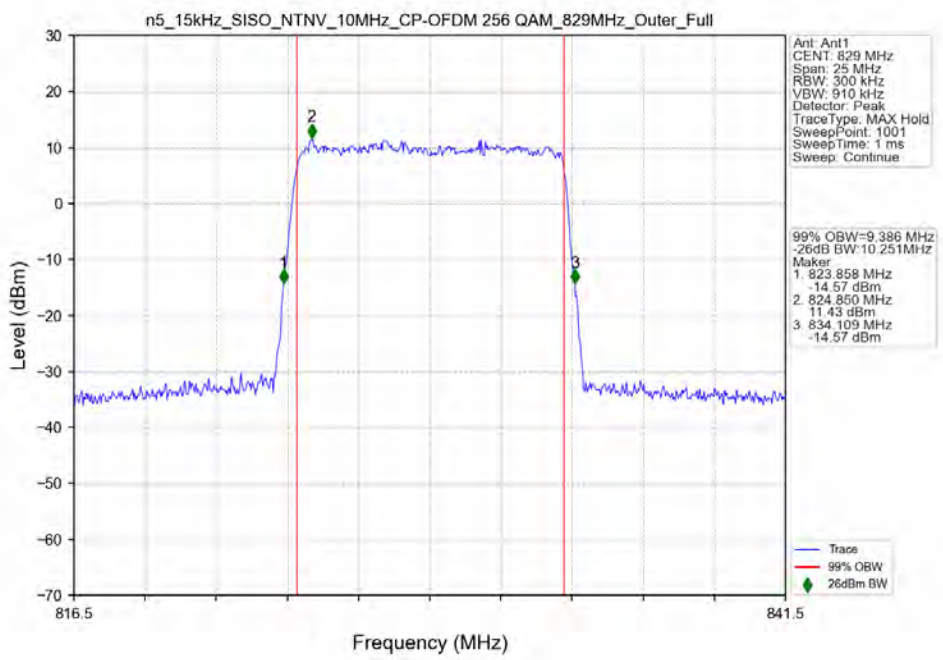

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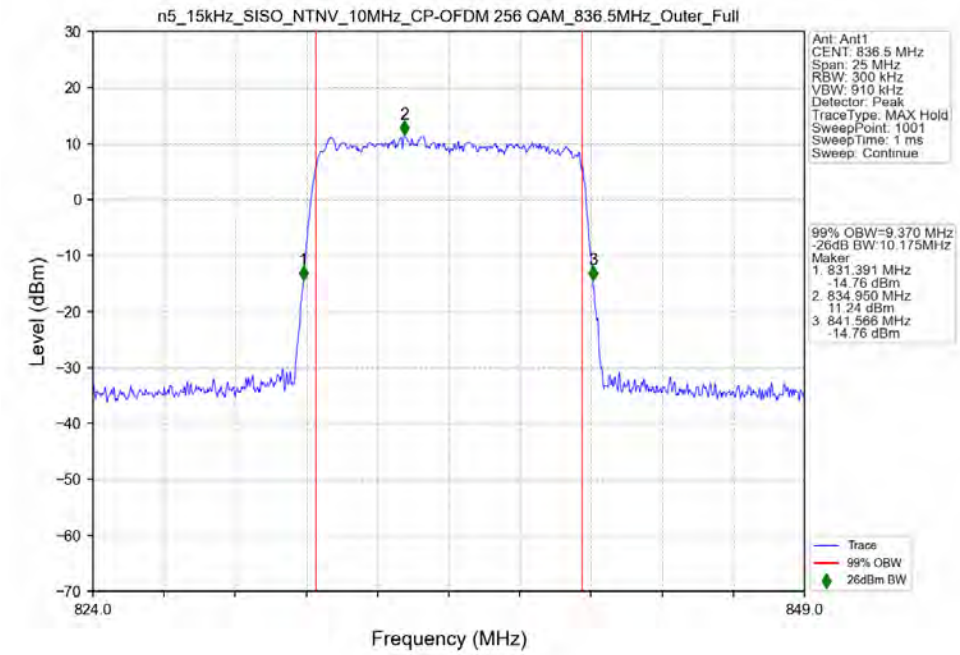

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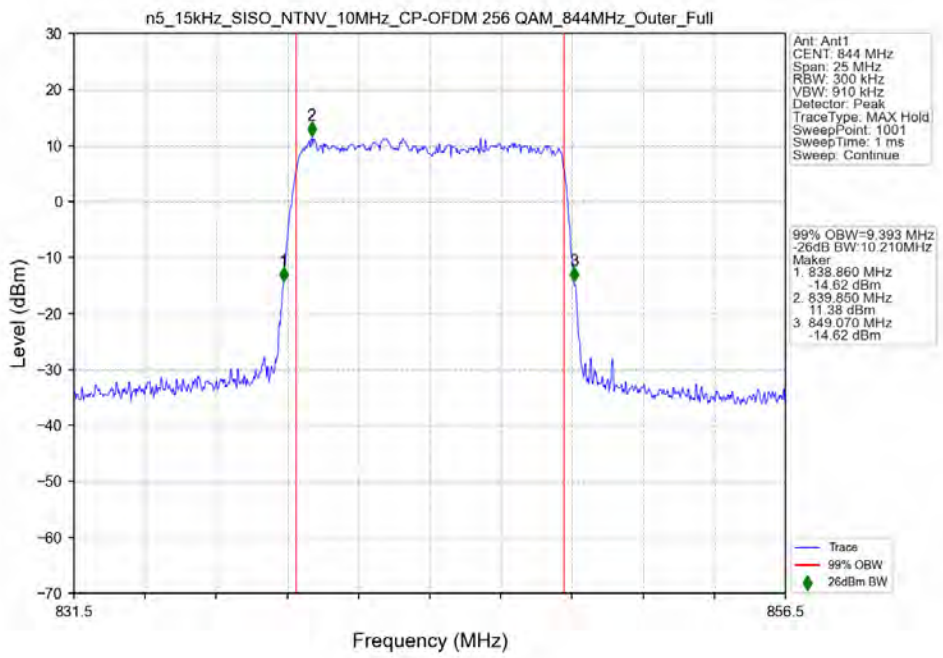

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3.3 15k_SISO_15MHz_NTNV

3.3.1 Test Result

5G NR n5 SCS=15kHz SISO 15MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	831.5	Outer_Full	13.57	14.64	/	Pass
	836.5	Outer_Full	13.53	14.55	/	Pass
	841.5	Outer_Full	13.57	14.64	/	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	13.60	14.63	/	Pass
	836.5	Outer_Full	13.53	14.62	/	Pass
	841.5	Outer_Full	13.59	14.64	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.63	14.75	/	Pass
	836.5	Outer_Full	13.59	14.64	/	Pass
	841.5	Outer_Full	13.63	14.66	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.54	14.65	/	Pass
	836.5	Outer_Full	13.50	14.65	/	Pass
	841.5	Outer_Full	13.54	14.66	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.58	14.58	/	Pass
	836.5	Outer_Full	13.55	14.65	/	Pass
	841.5	Outer_Full	13.58	14.72	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	14.23	15.40	/	Pass
	836.5	Outer_Full	14.19	15.33	/	Pass
	841.5	Outer_Full	14.23	15.31	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.26	15.33	/	Pass
	836.5	Outer_Full	14.22	15.35	/	Pass
	841.5	Outer_Full	14.24	15.32	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.27	15.37	/	Pass
	836.5	Outer_Full	14.26	15.29	/	Pass
	841.5	Outer_Full	14.30	15.42	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	14.21	15.36	/	Pass
	836.5	Outer_Full	14.17	15.33	/	Pass
	841.5	Outer_Full	14.20	15.30	/	Pass

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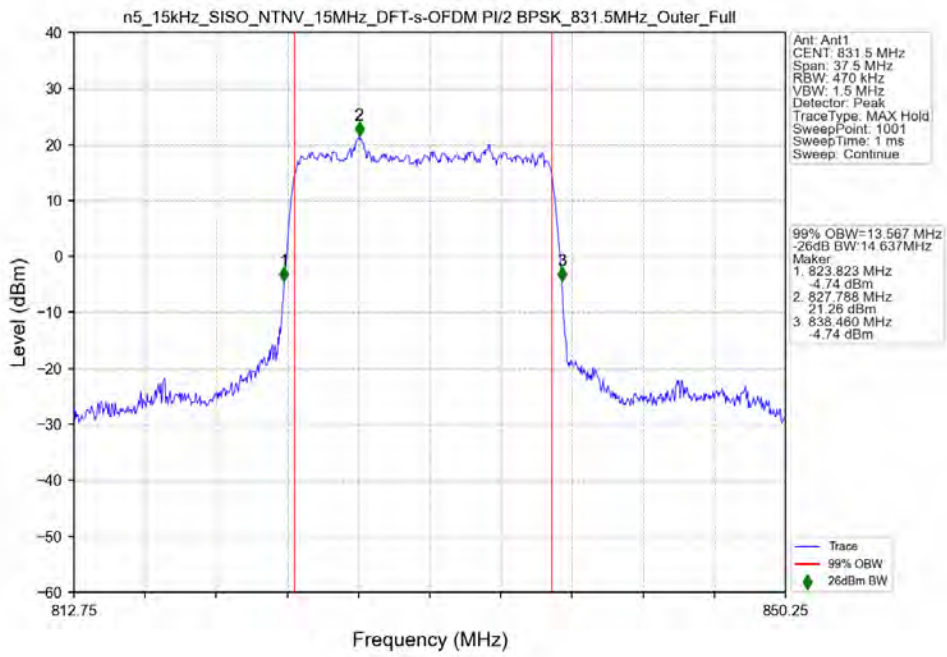
3.3.2 Test Graph

n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_831.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Outer_Full

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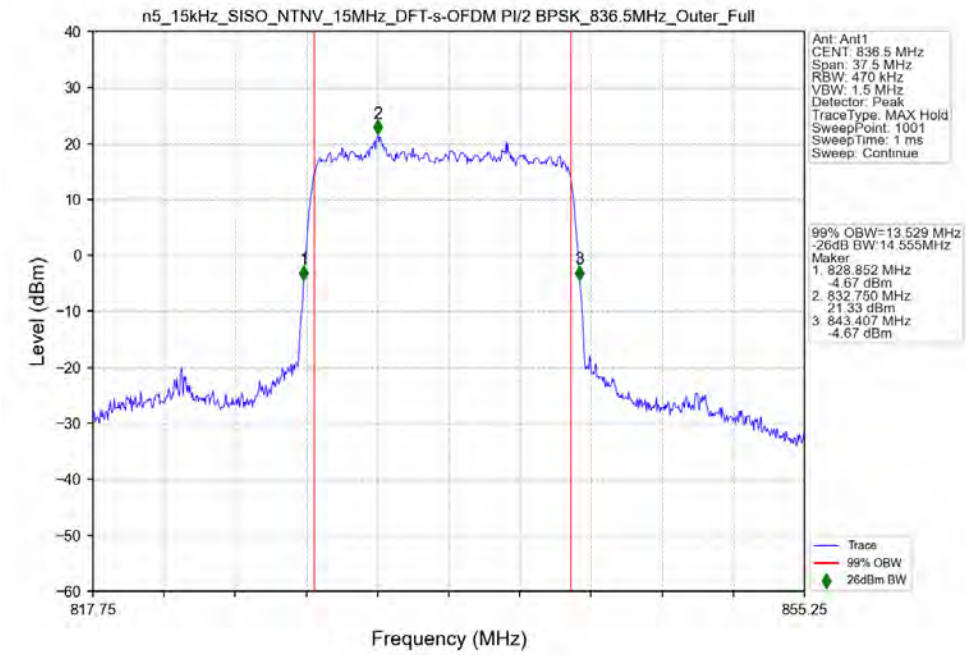

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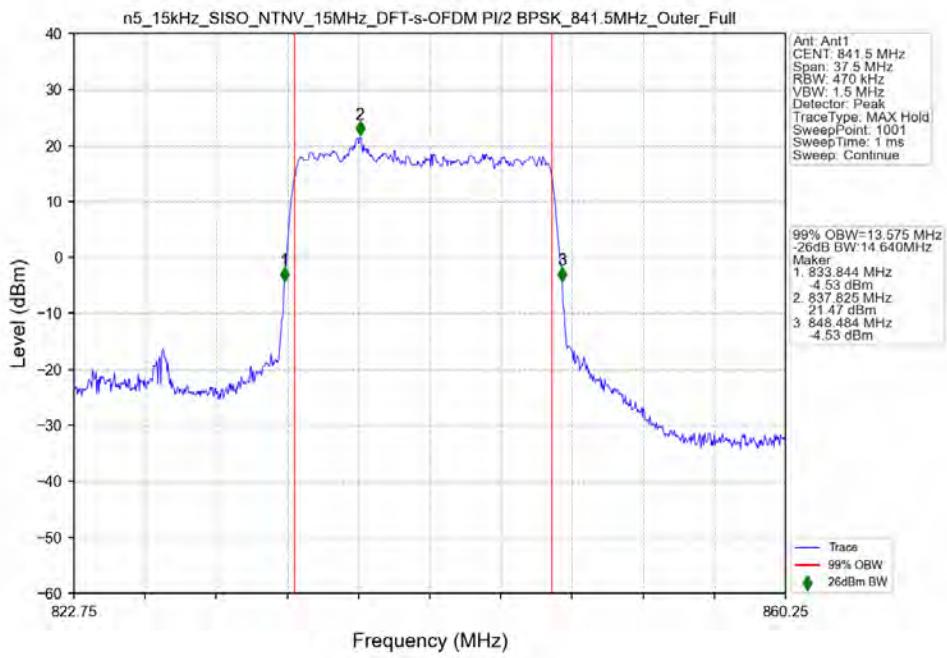
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_841.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_831.5MHz_Outer_Full

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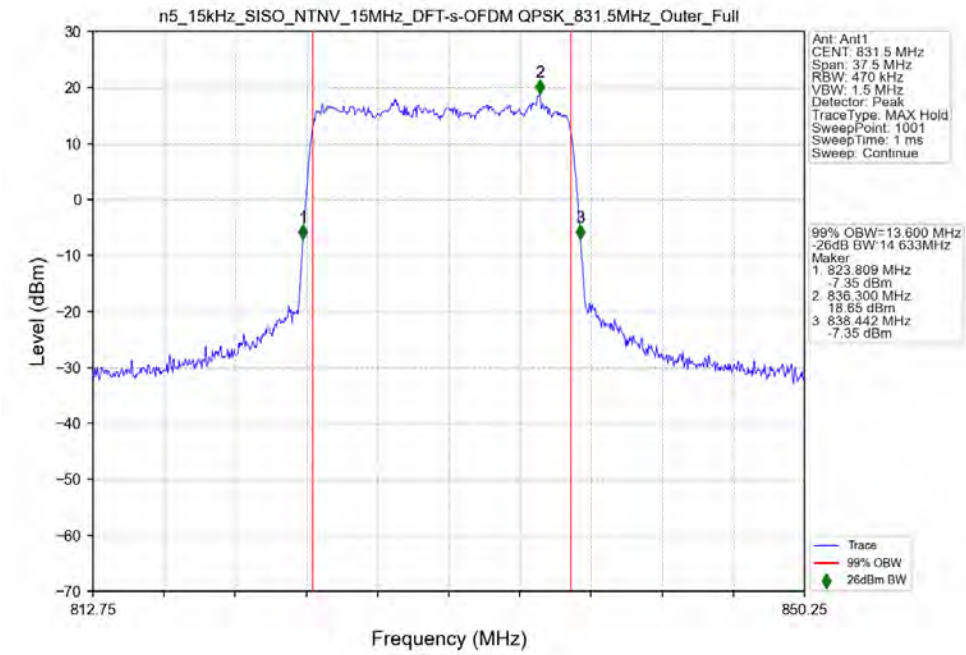

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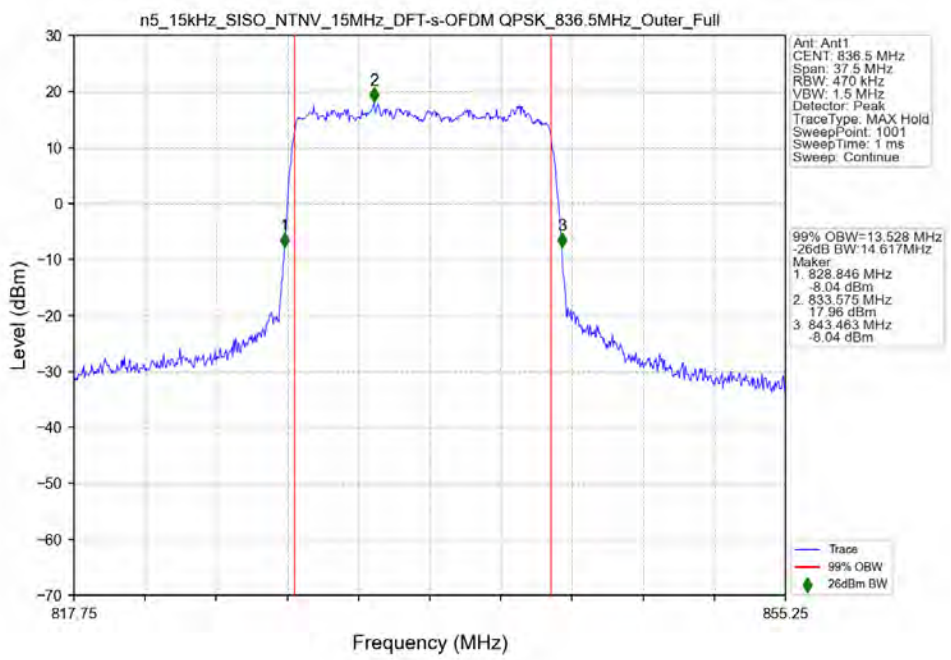
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_841.5MHz_Outer_Full

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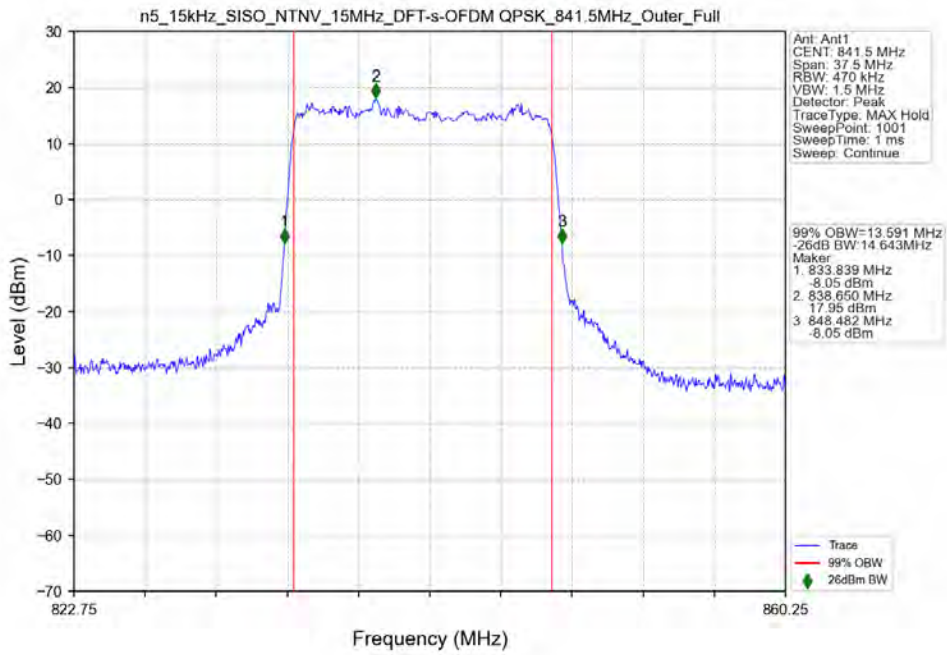

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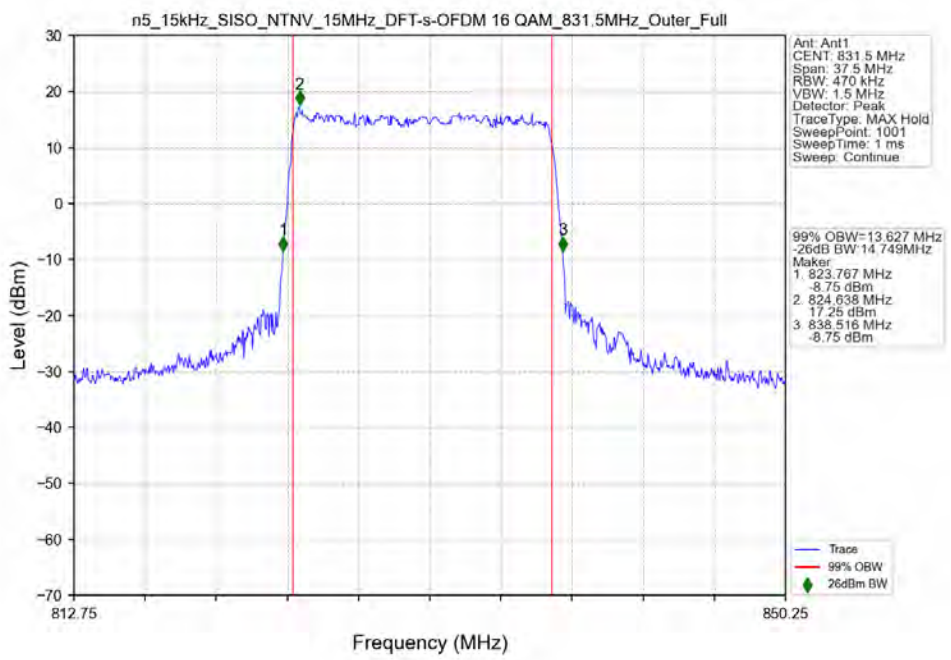
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_831.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_836.5MHz_Outer_Full

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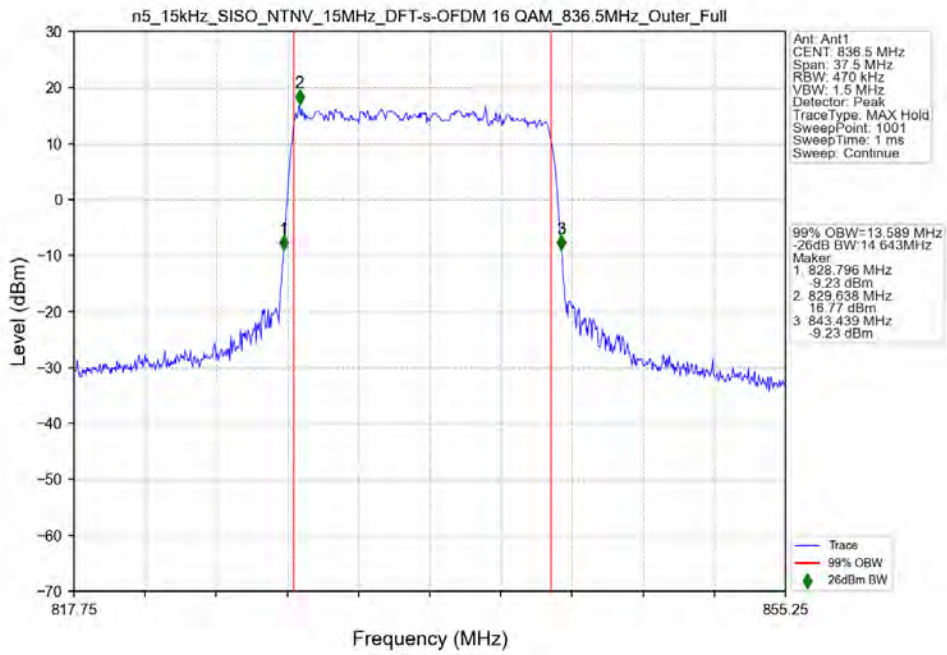

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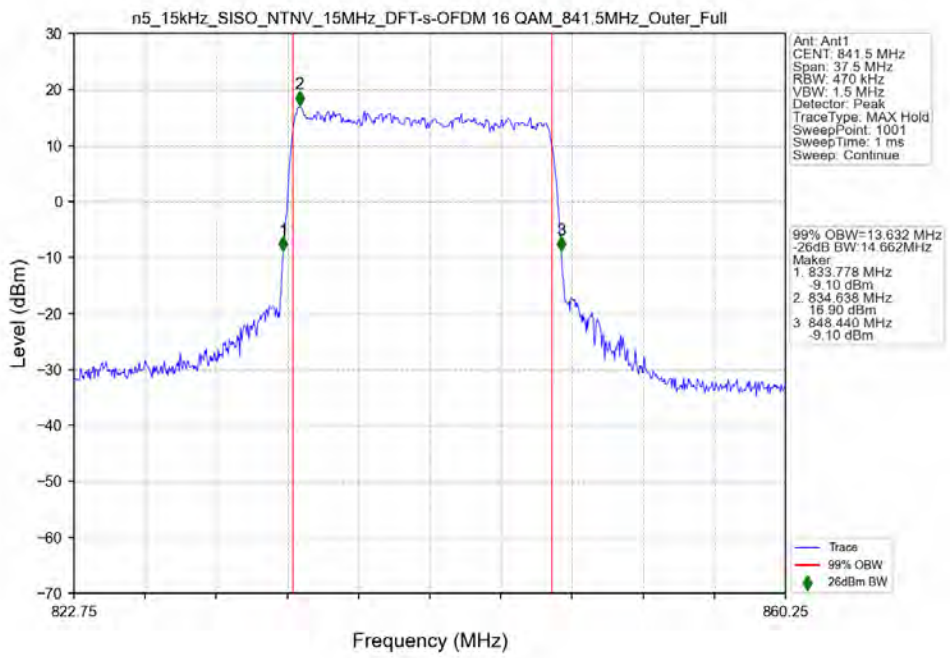
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_841.5MHz_Outer_Full



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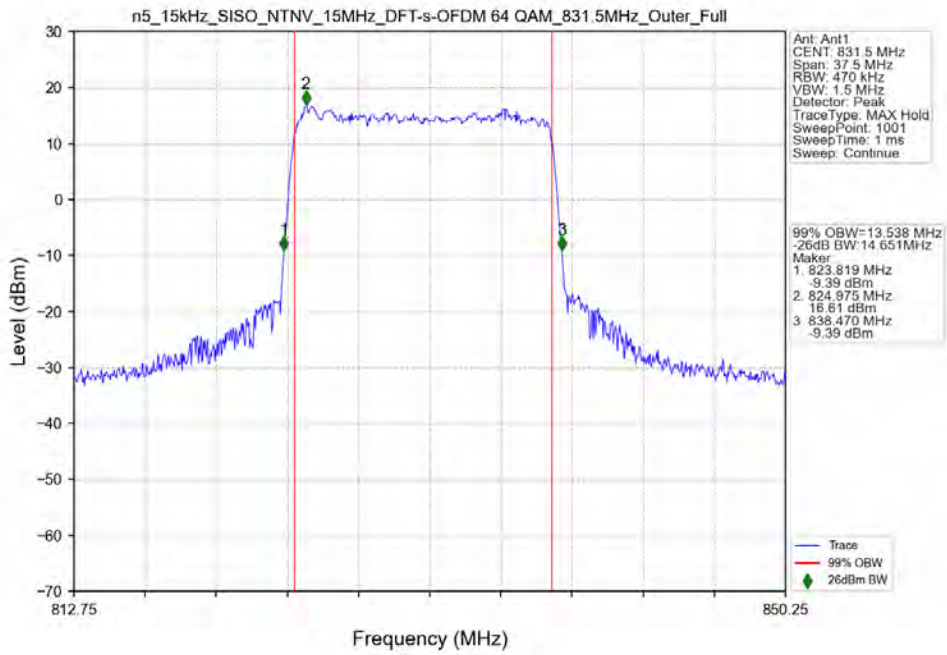

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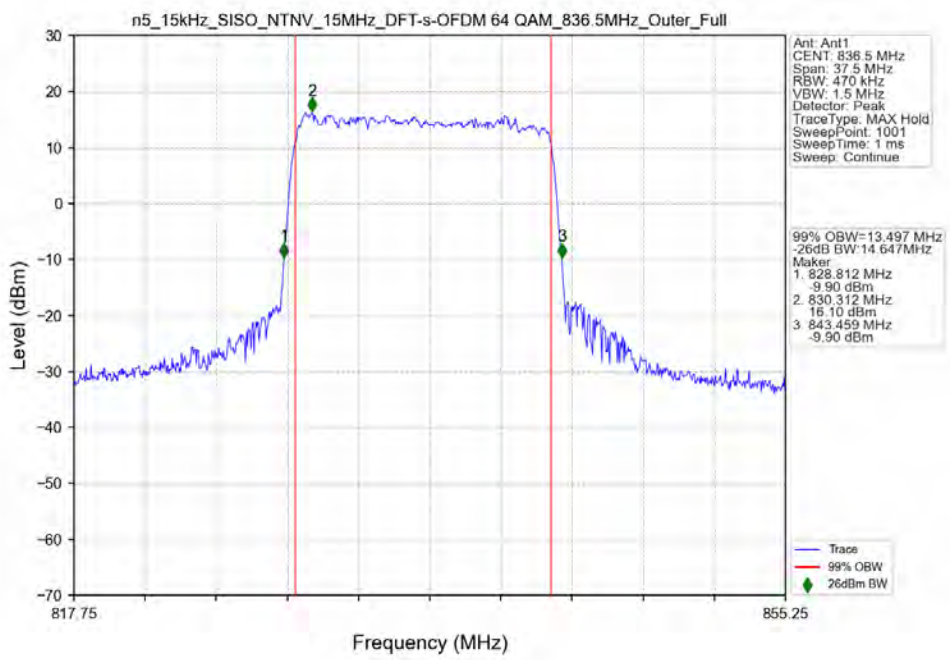
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_841.5MHz_Outer_Full

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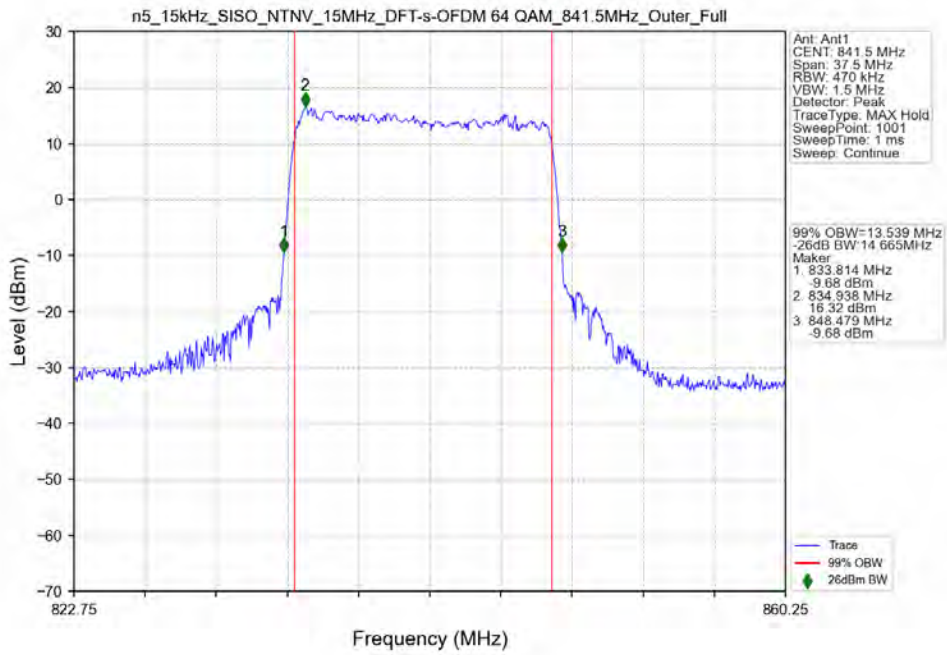

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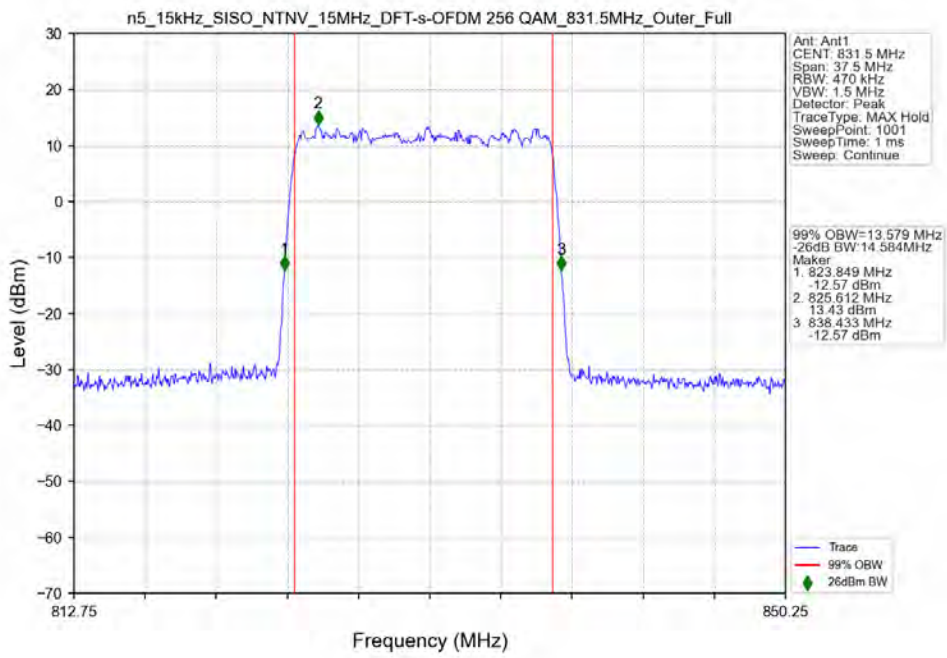
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_831.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_836.5MHz_Outer_Full

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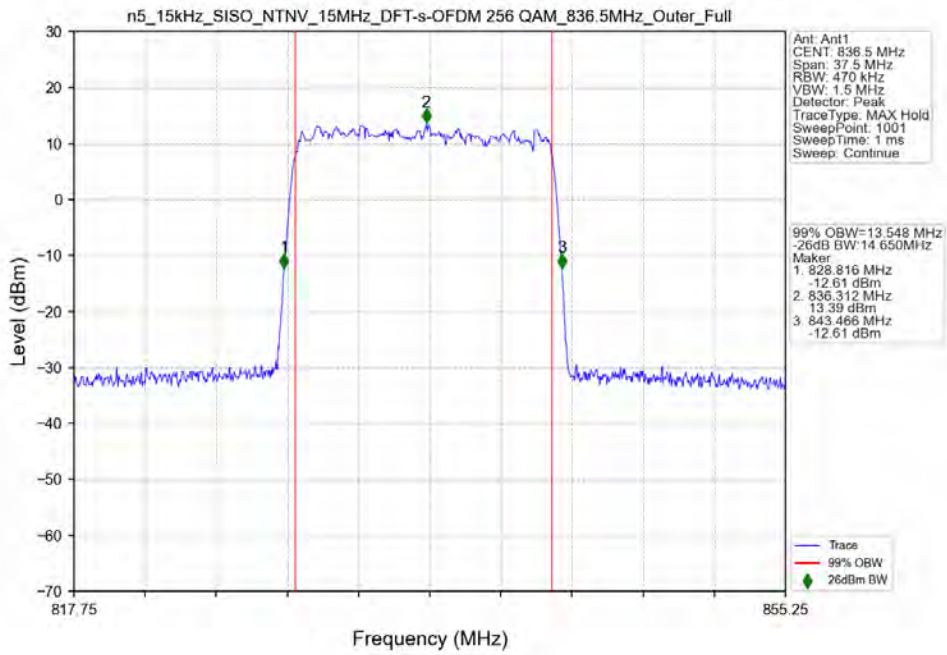

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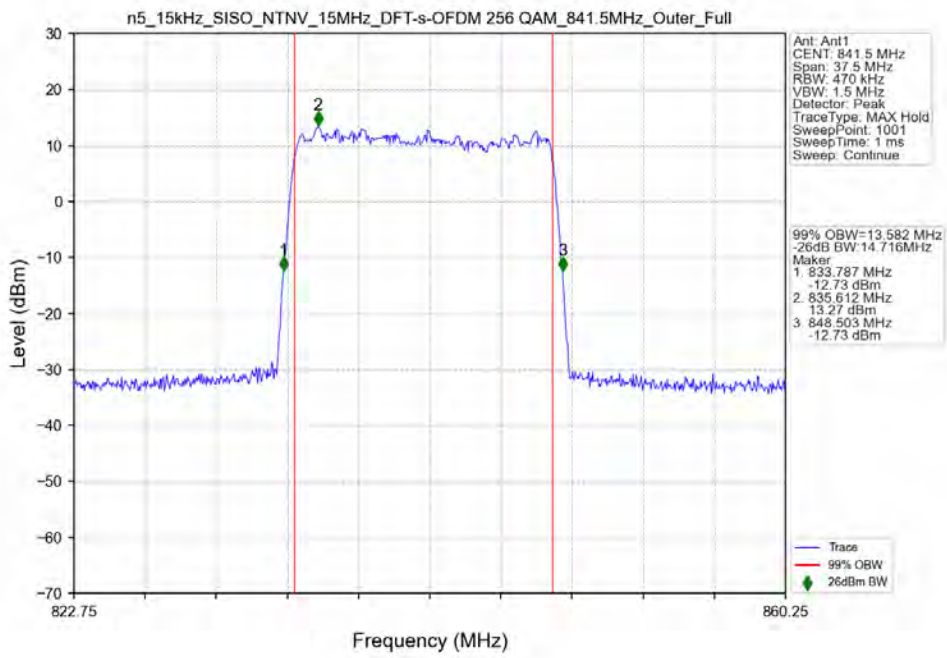
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_841.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_831.5MHz_Outer_Full

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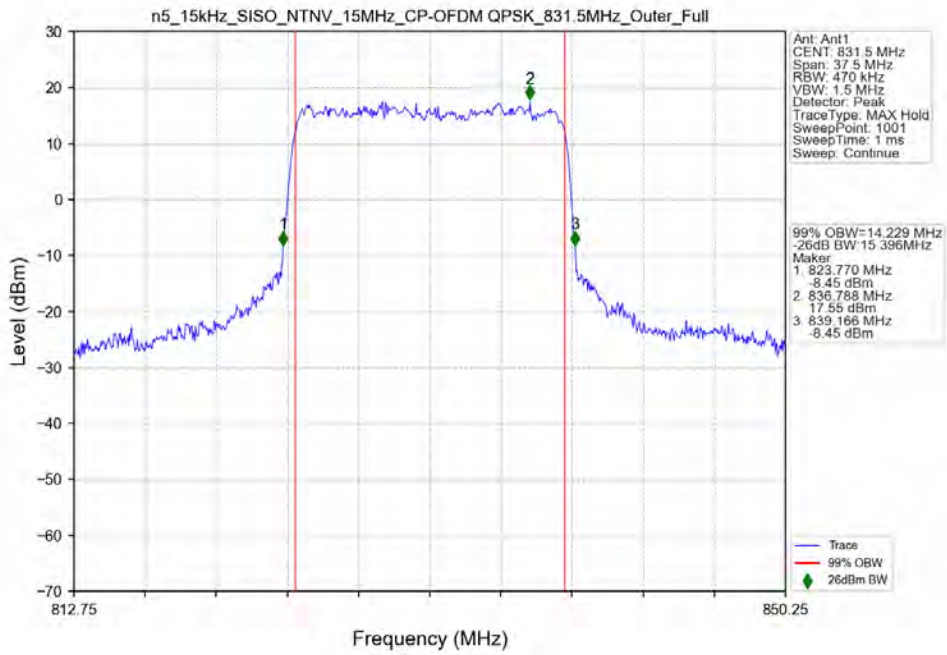

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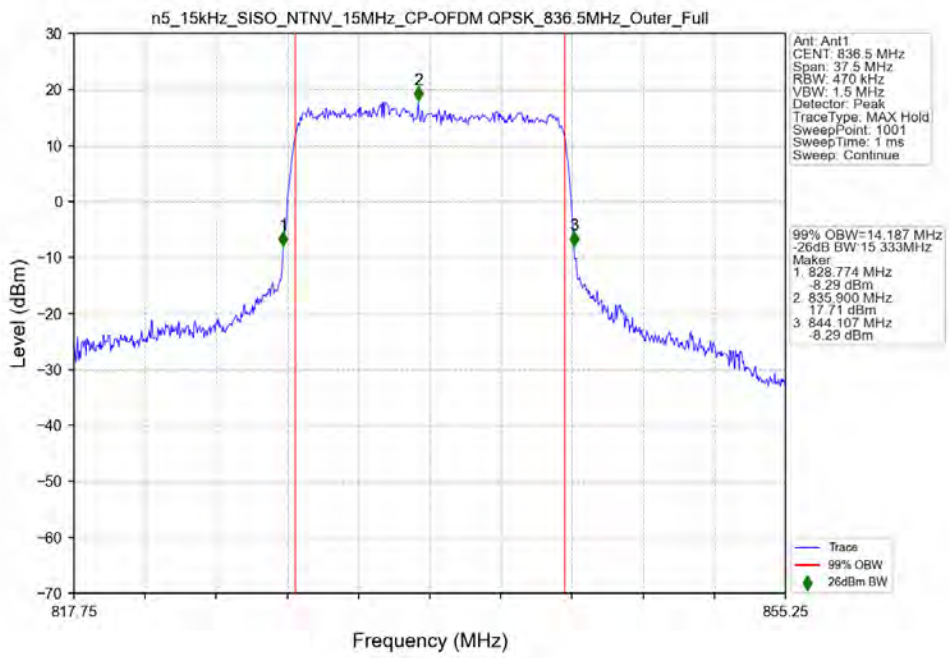
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_841.5MHz_Outer_Full

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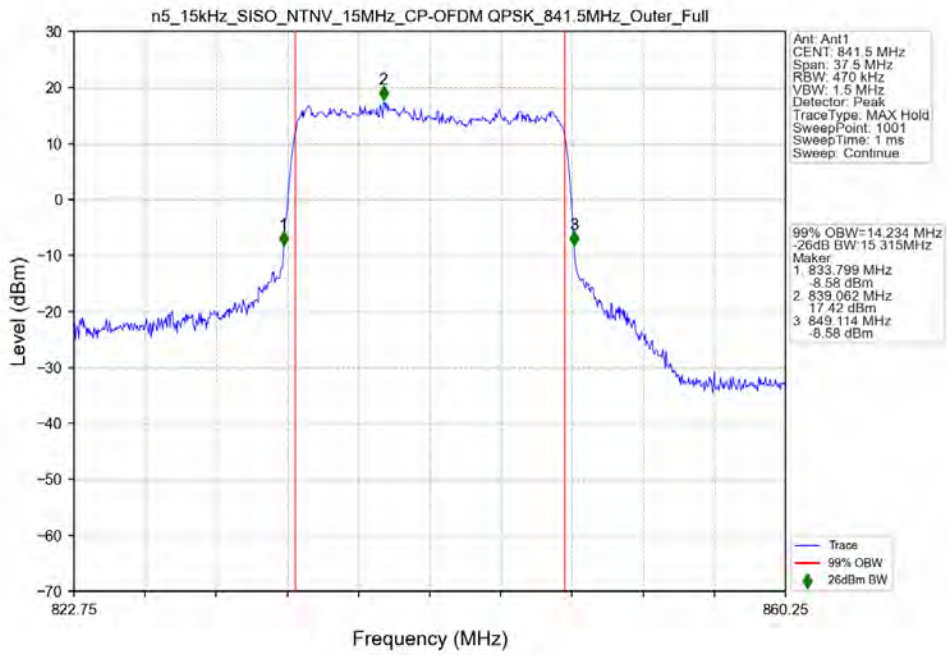

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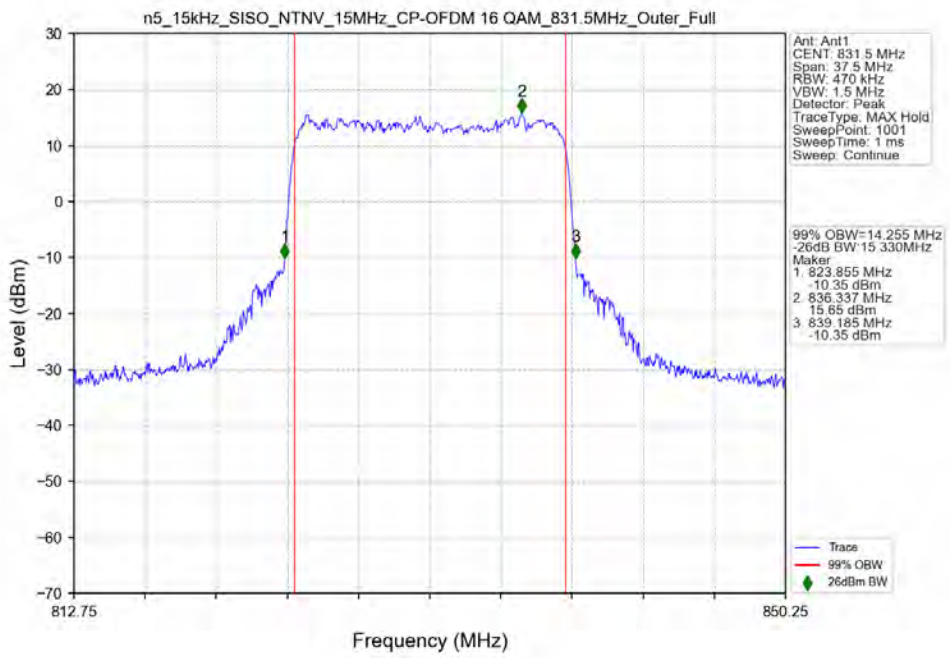
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_831.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_836.5MHz_Outer_Full

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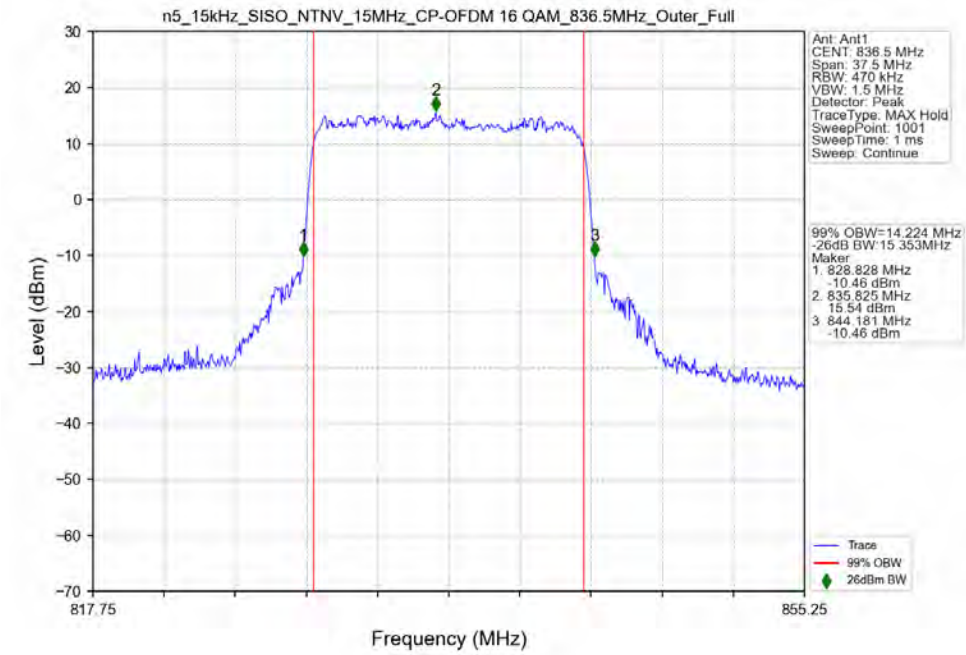

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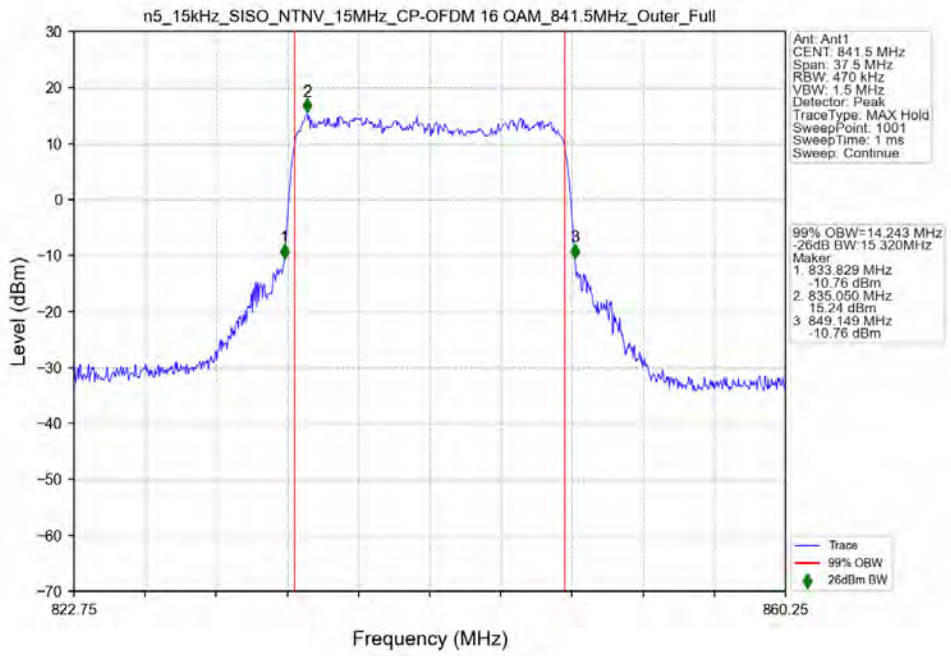
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_841.5MHz_Outer_Full



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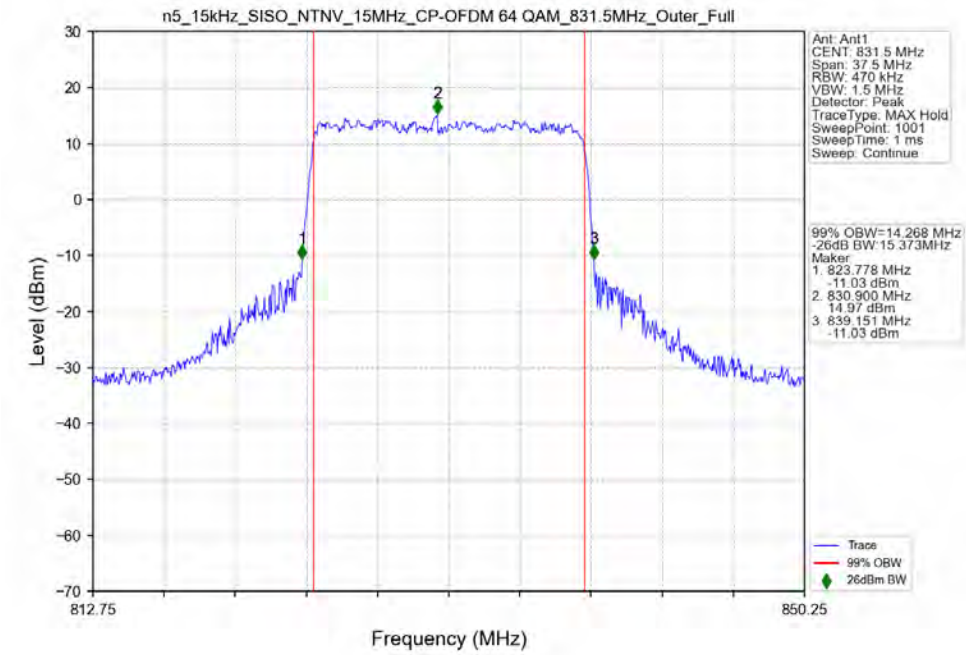

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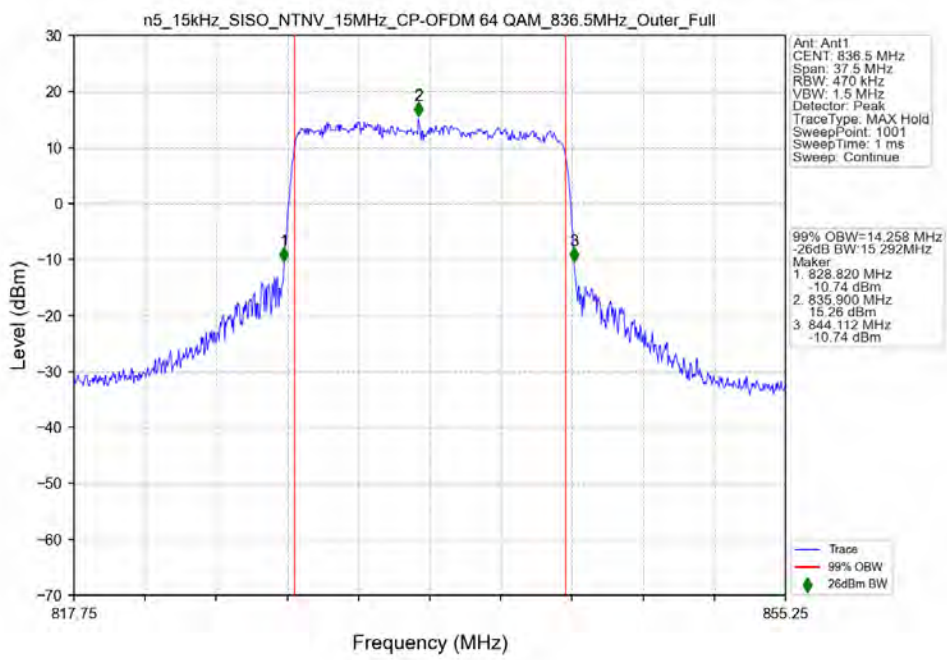

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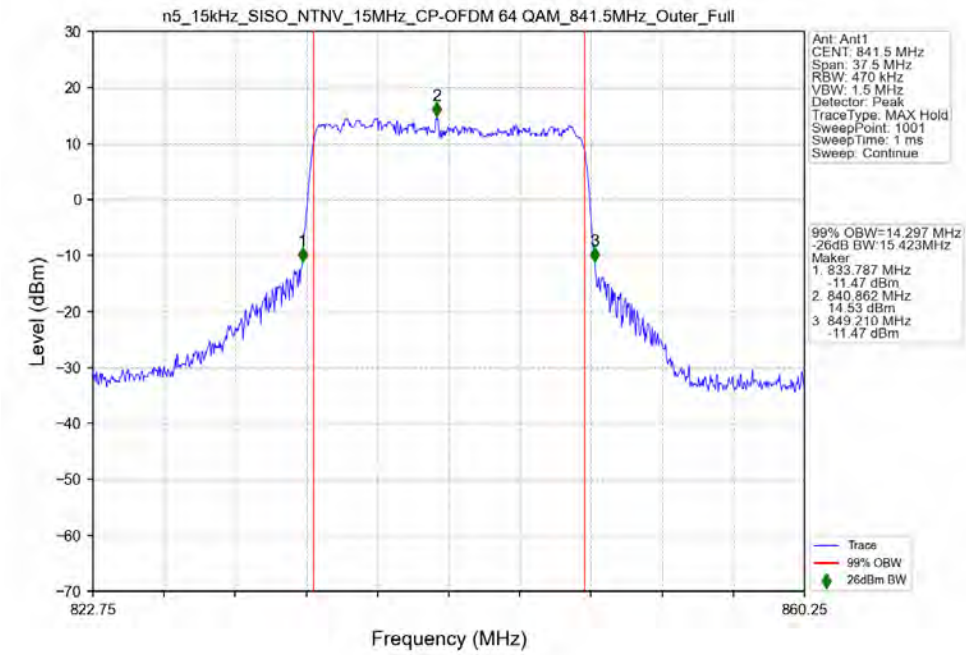

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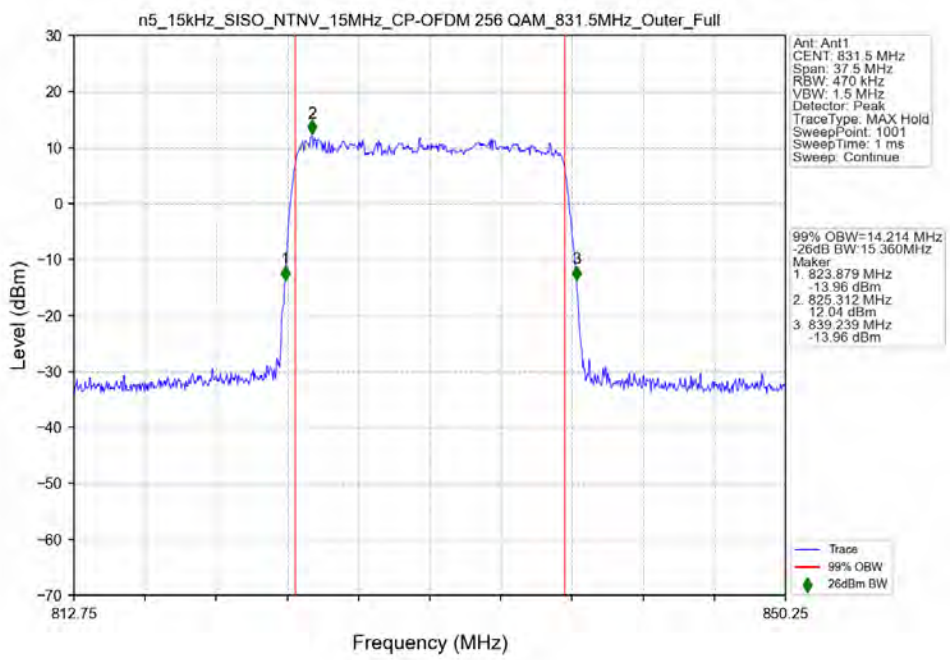

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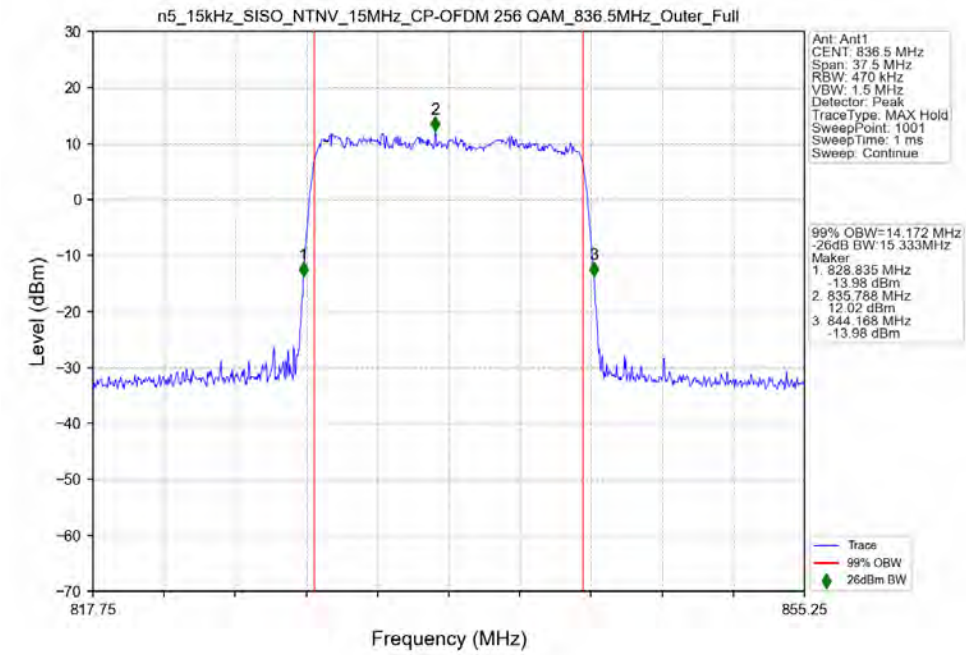

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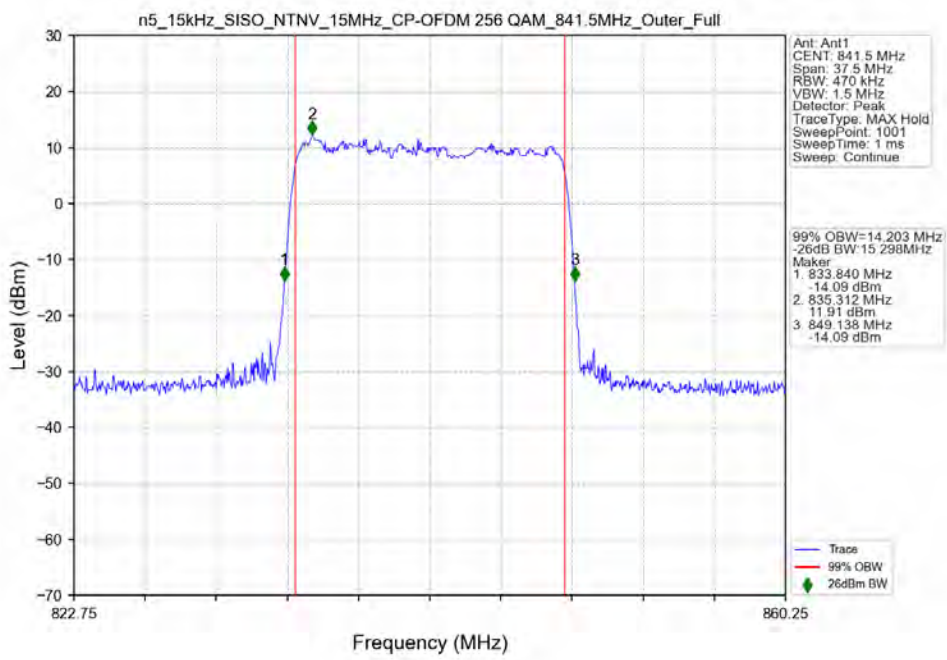
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_841.5MHz_Outer_Full



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3.4 15k_SISO_20MHz_NTNV

3.4.1 Test Result

5G NR n5 SCS=15kHz SISO 20MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	18.03	19.36	/	Pass
	836.5	Outer_Full	18.02	19.36	/	Pass
	839	Outer_Full	18.01	19.37	/	Pass
DFT-s-OFDM QPSK	834	Outer_Full	17.97	19.45	/	Pass
	836.5	Outer_Full	17.97	19.39	/	Pass
	839	Outer_Full	17.98	19.44	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	17.97	19.40	/	Pass
	836.5	Outer_Full	17.95	19.36	/	Pass
	839	Outer_Full	17.98	19.41	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	17.98	19.42	/	Pass
	836.5	Outer_Full	17.98	19.39	/	Pass
	839	Outer_Full	18.00	19.42	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	17.98	19.36	/	Pass
	836.5	Outer_Full	18.00	19.37	/	Pass
	839	Outer_Full	18.00	19.35	/	Pass
CP-OFDM QPSK	834	Outer_Full	19.00	20.71	/	Pass
	836.5	Outer_Full	18.97	20.58	/	Pass
	839	Outer_Full	18.99	20.54	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	19.07	20.56	/	Pass
	836.5	Outer_Full	19.04	20.52	/	Pass
	839	Outer_Full	19.07	20.56	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	19.05	20.51	/	Pass
	836.5	Outer_Full	19.05	20.45	/	Pass
	839	Outer_Full	19.08	20.49	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	19.11	20.54	/	Pass
	836.5	Outer_Full	19.09	20.46	/	Pass
	839	Outer_Full	19.12	20.51	/	Pass

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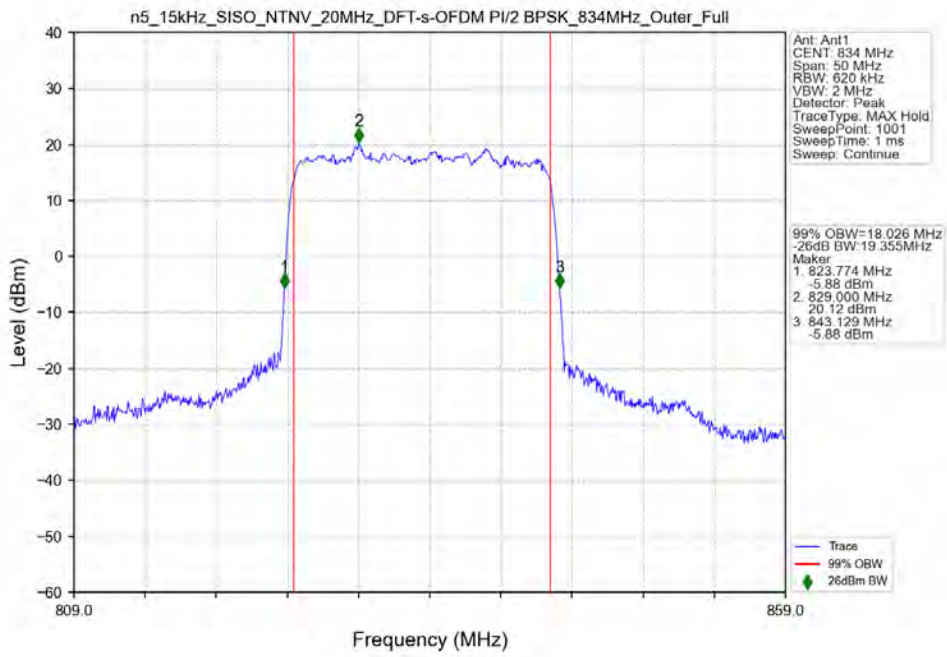
3.4.2 Test Graph

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_834MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Outer_Full

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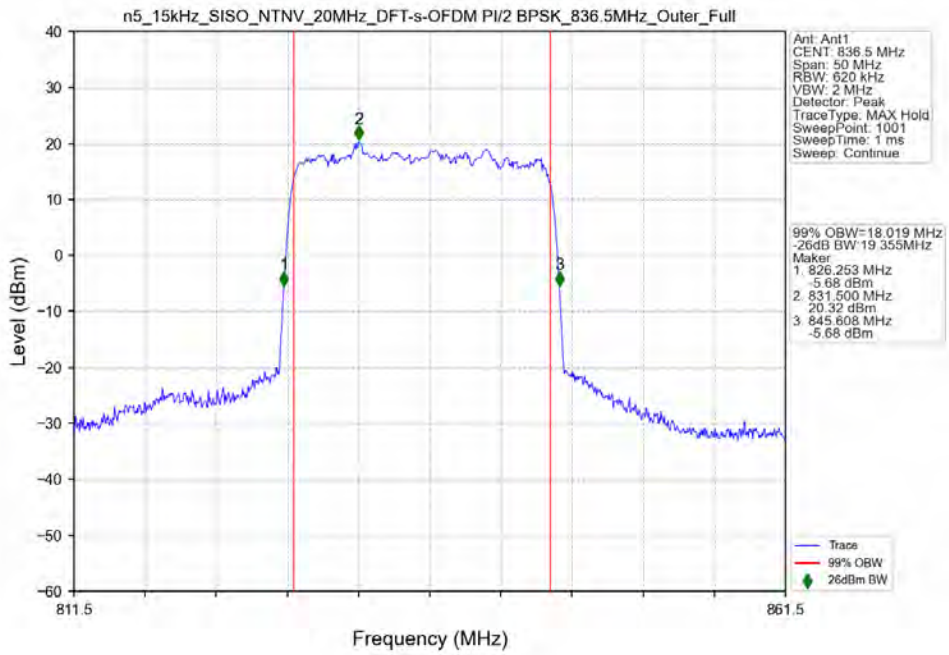

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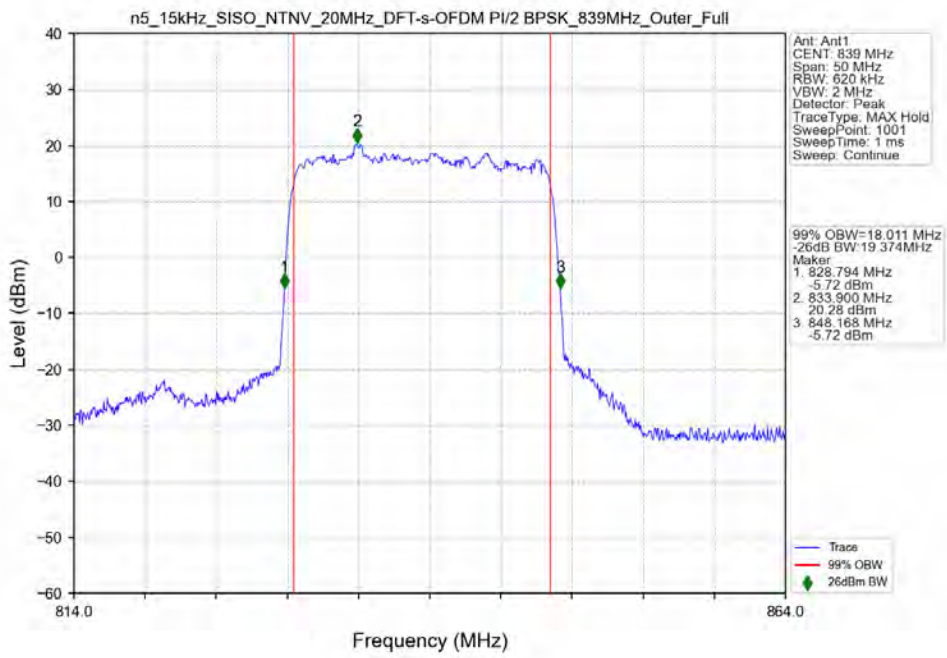
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_839MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_834MHz_Outer_Full

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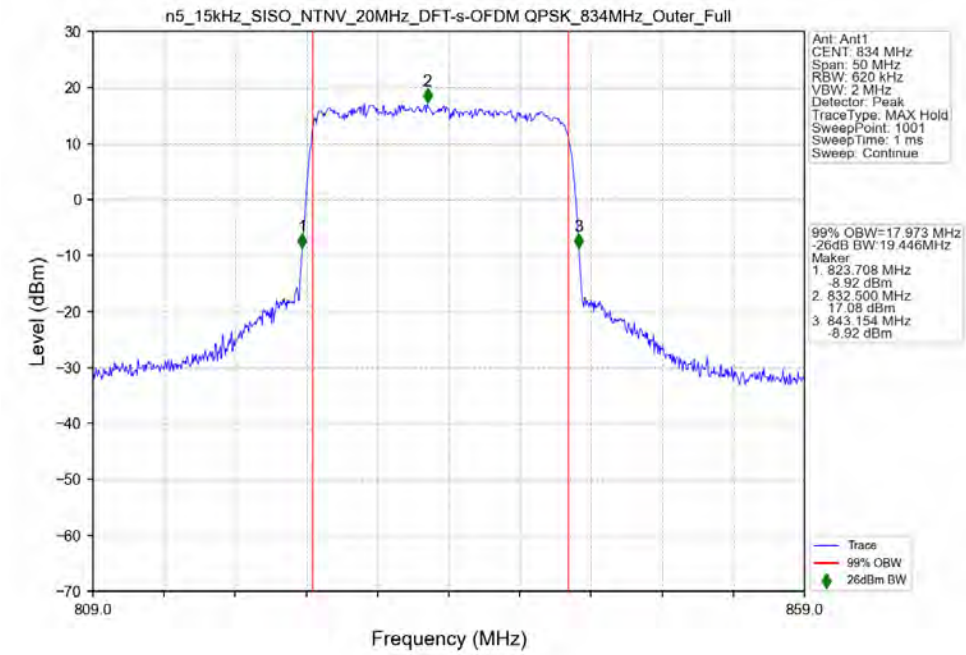

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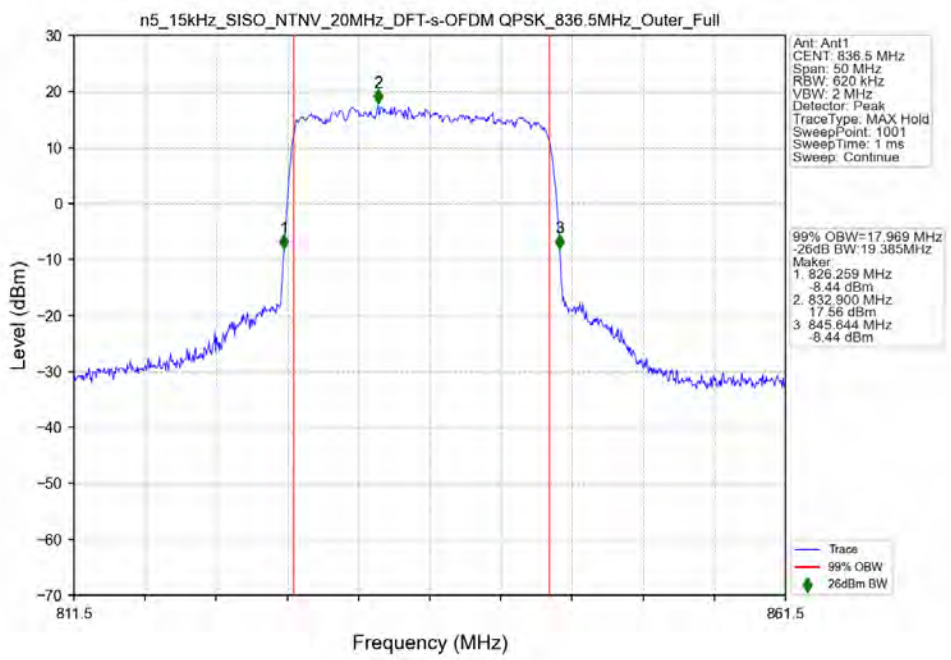

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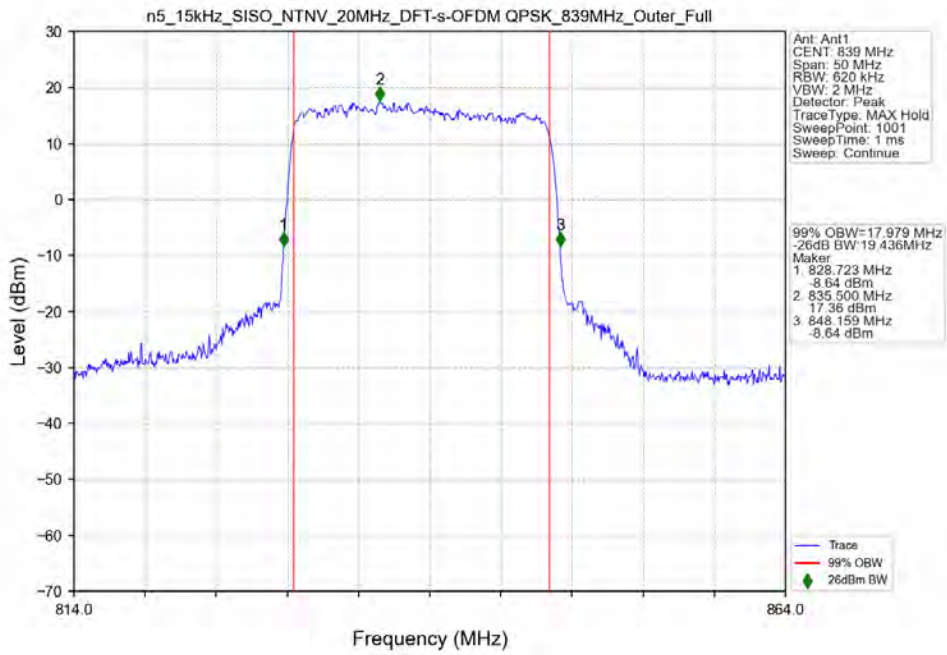

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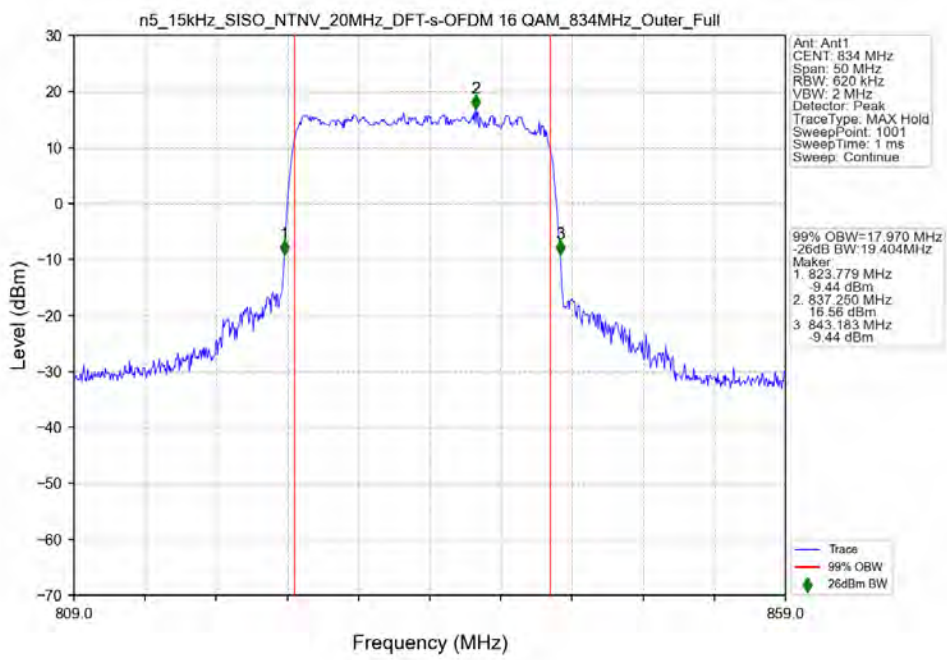

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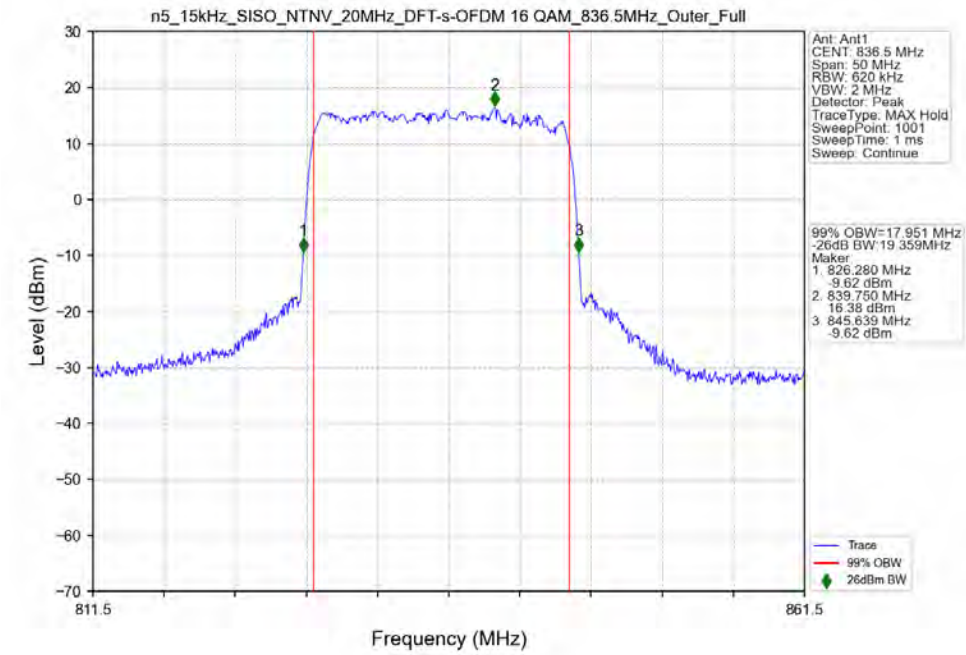

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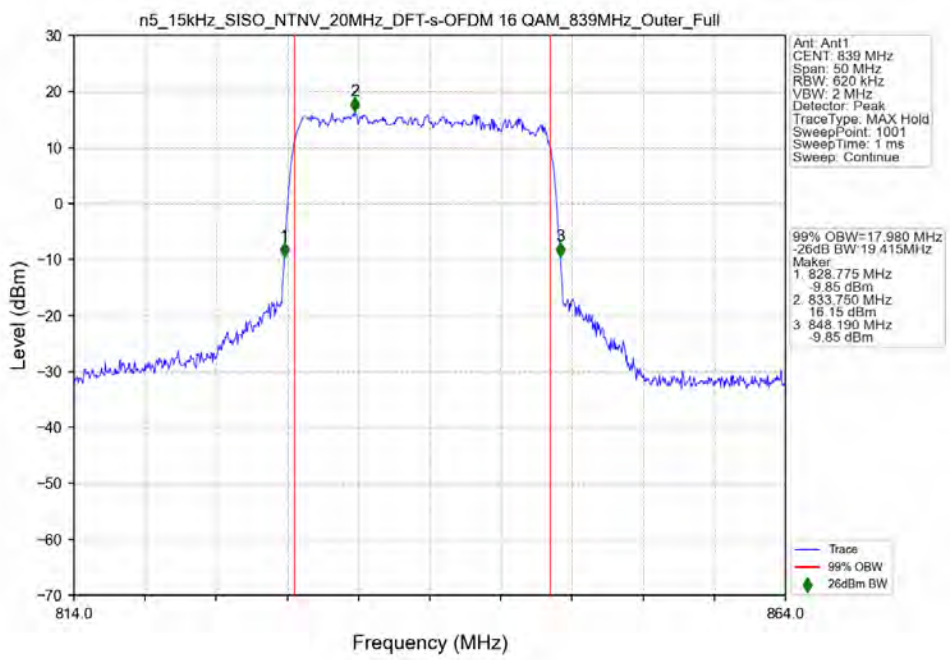

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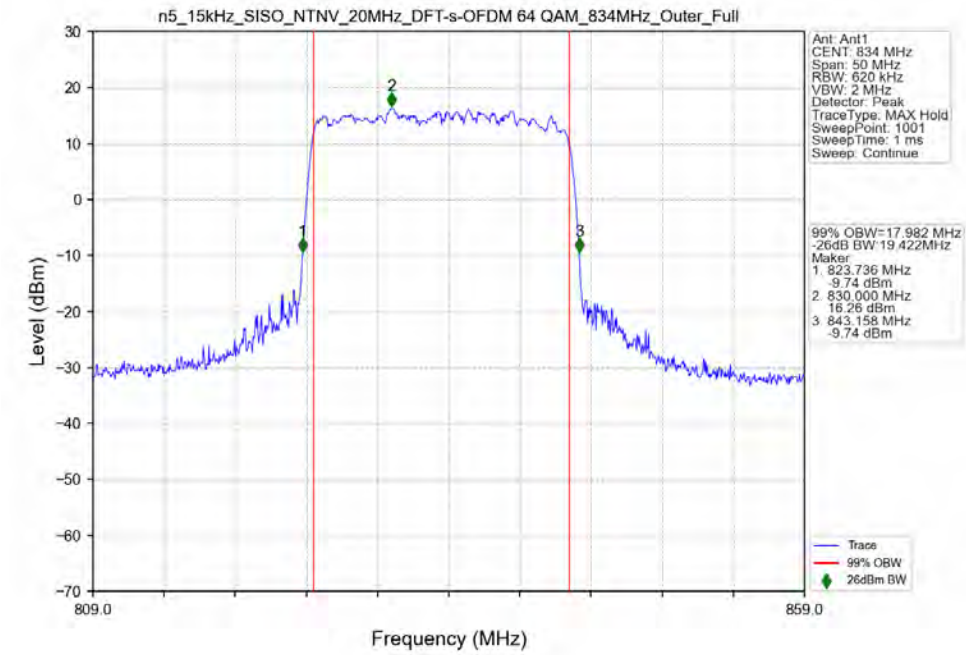

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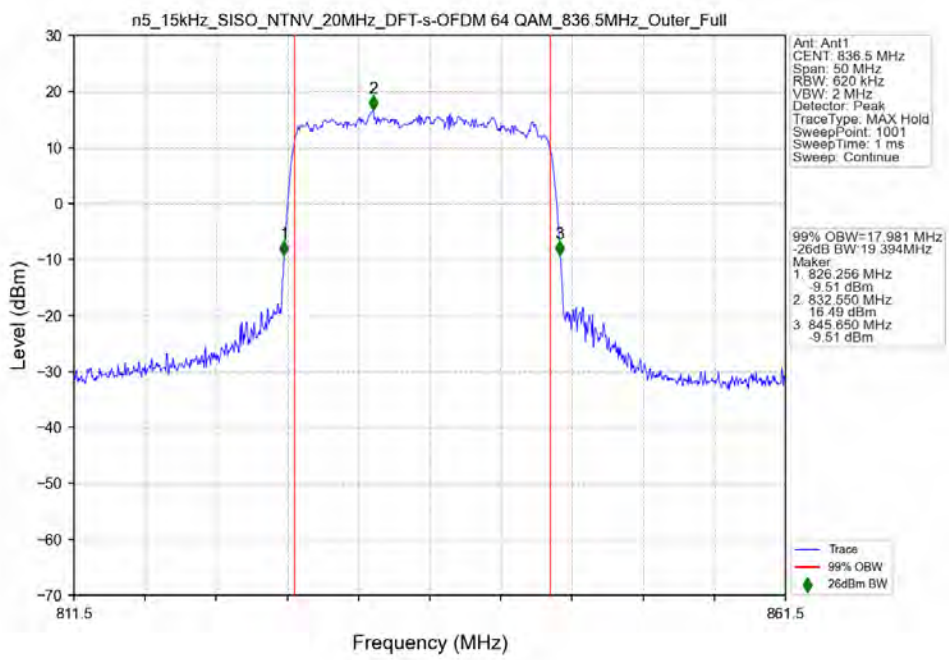
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_839MHz_Outer_Full

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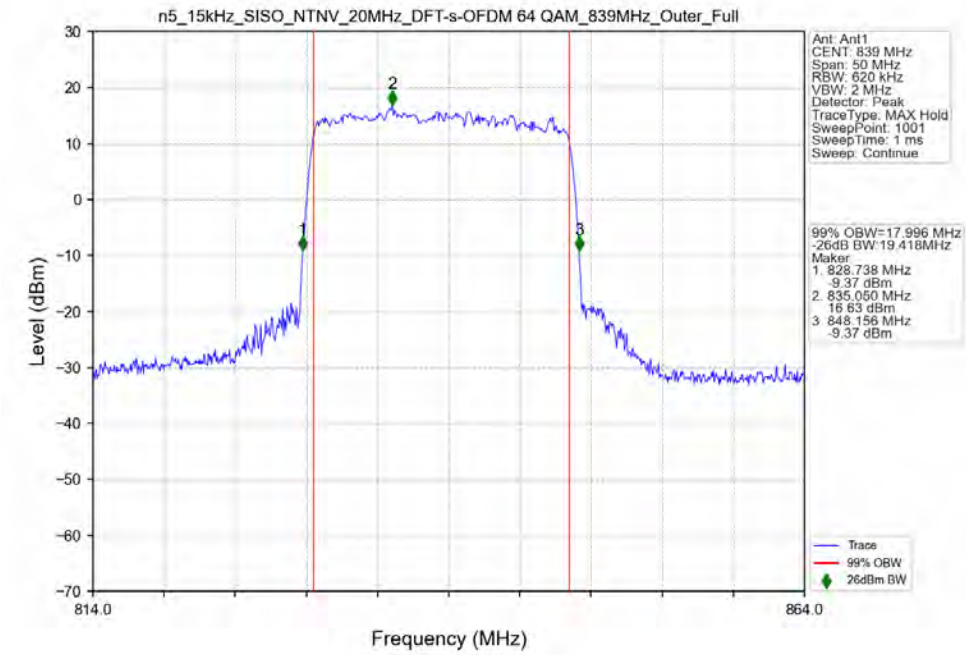

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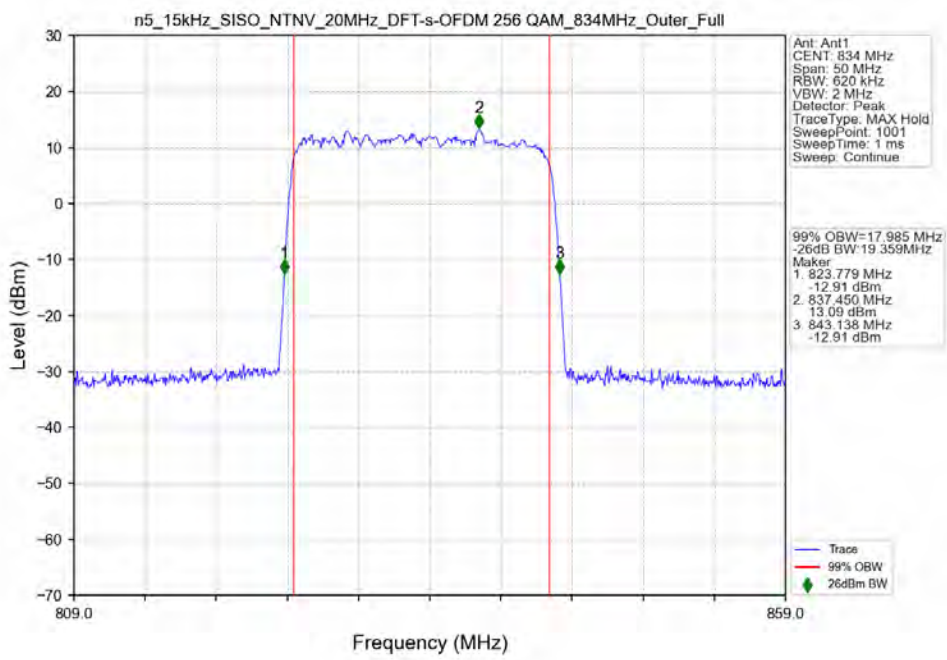

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_836.5MHz_Outer_Full

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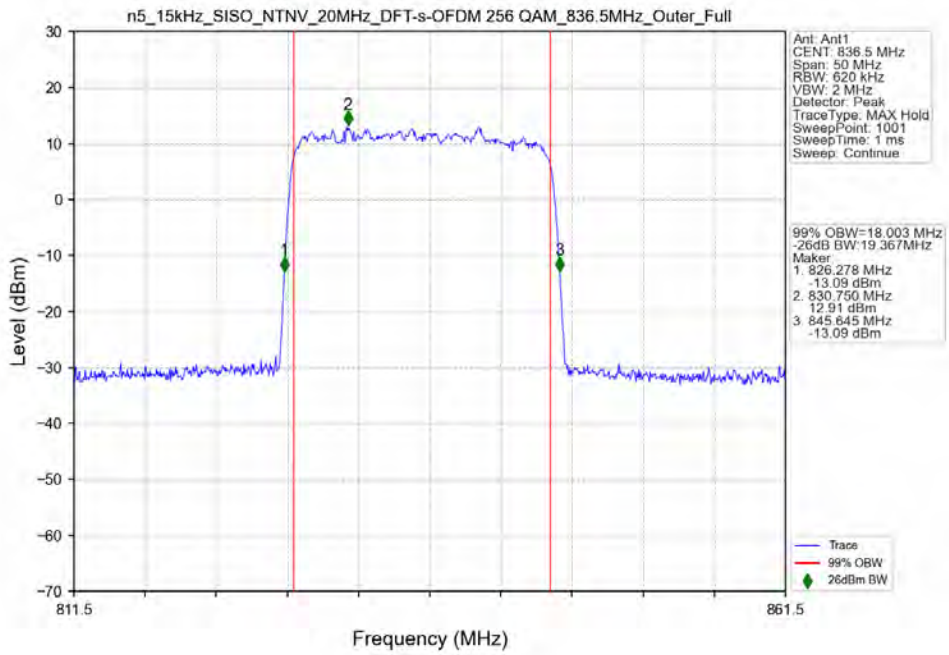

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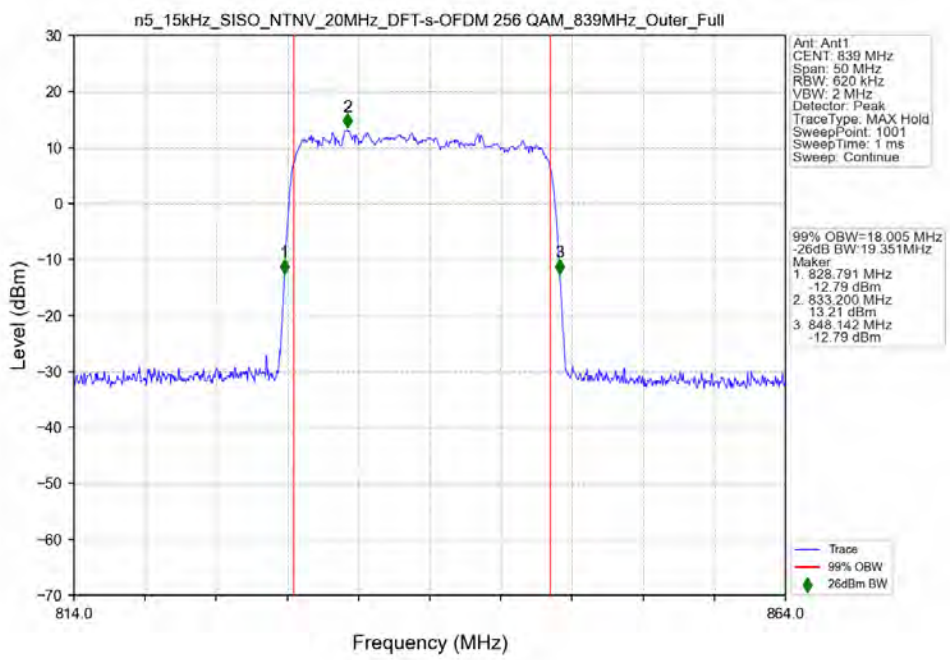

n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_834MHz_Outer_Full

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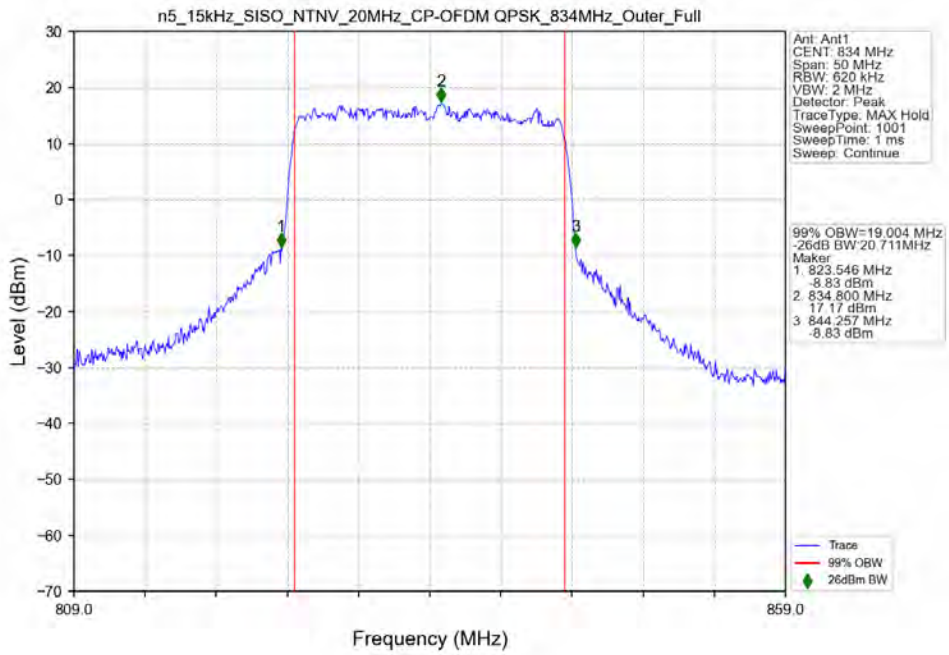

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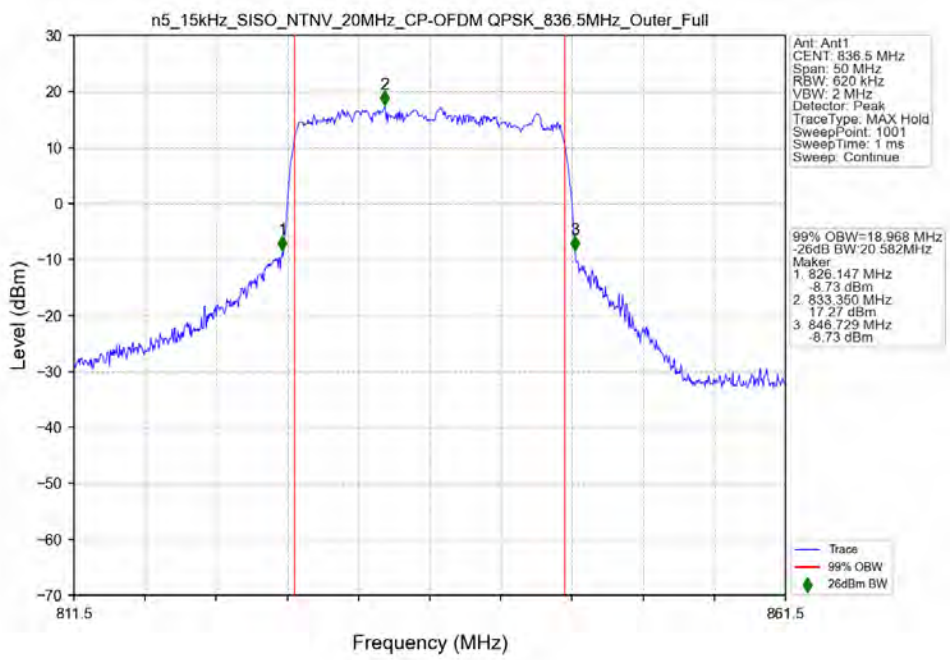

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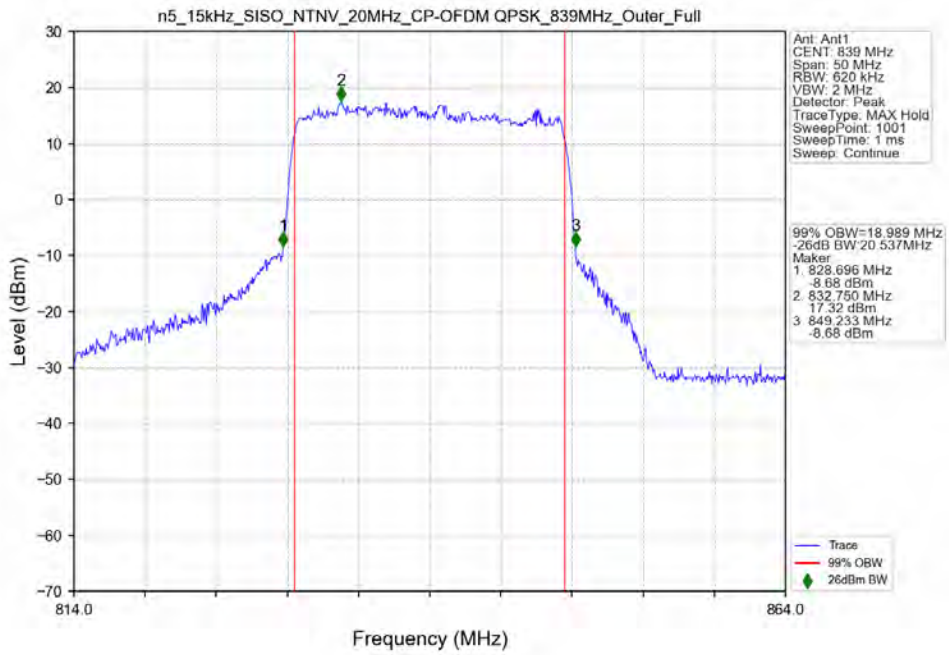

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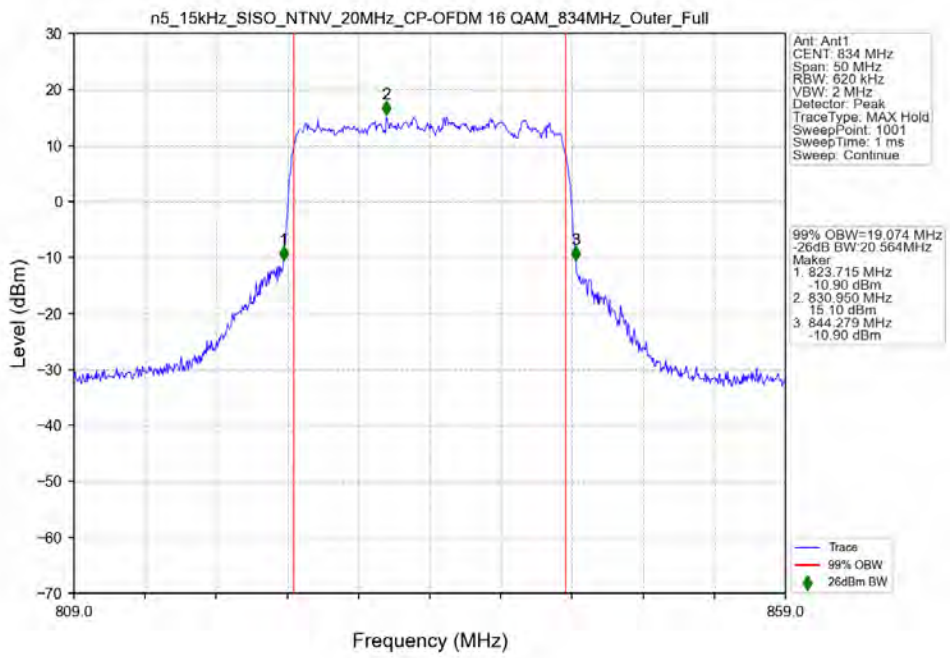

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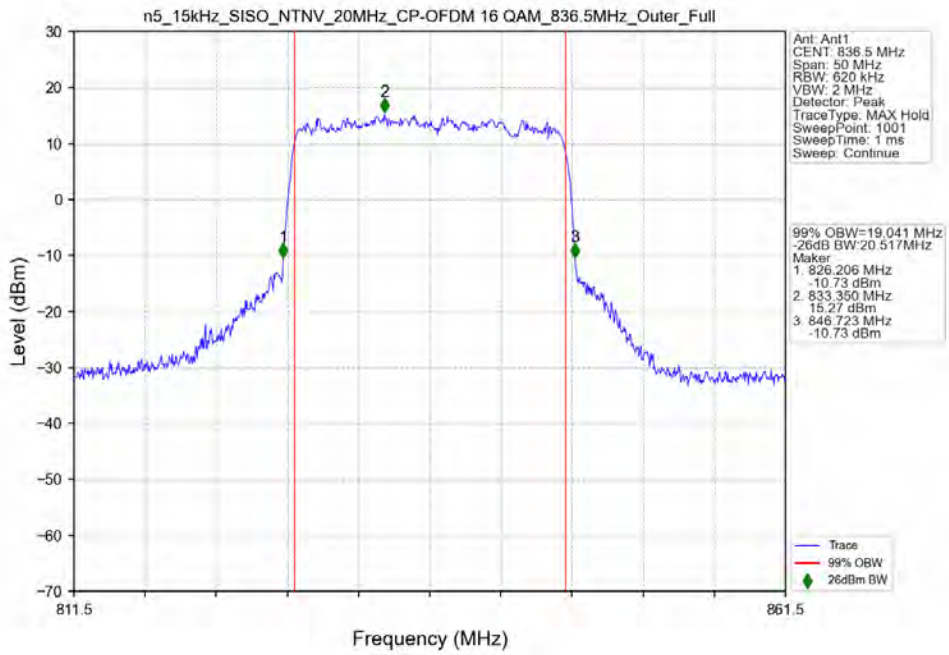

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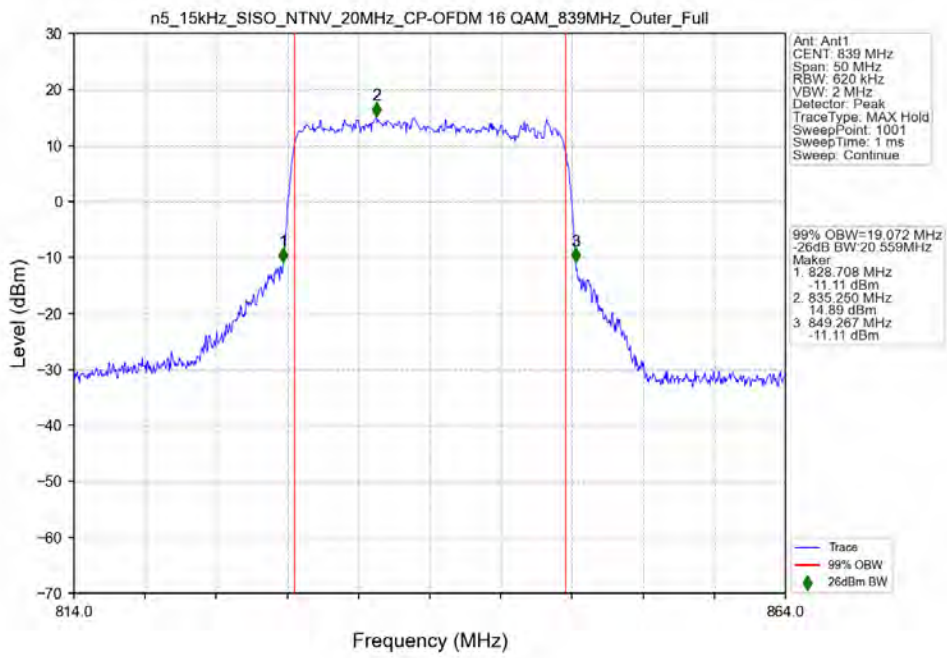

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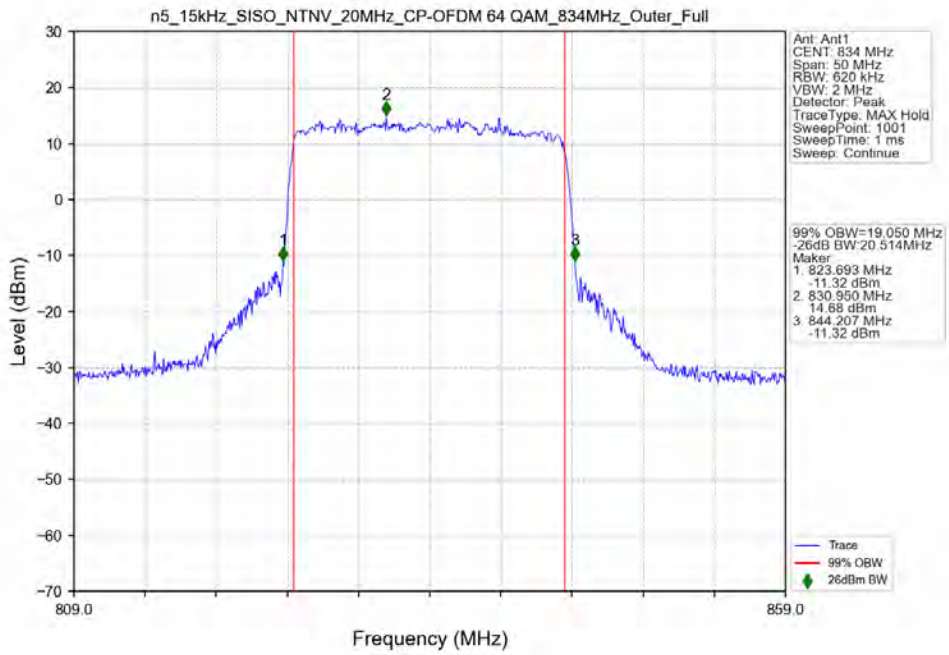

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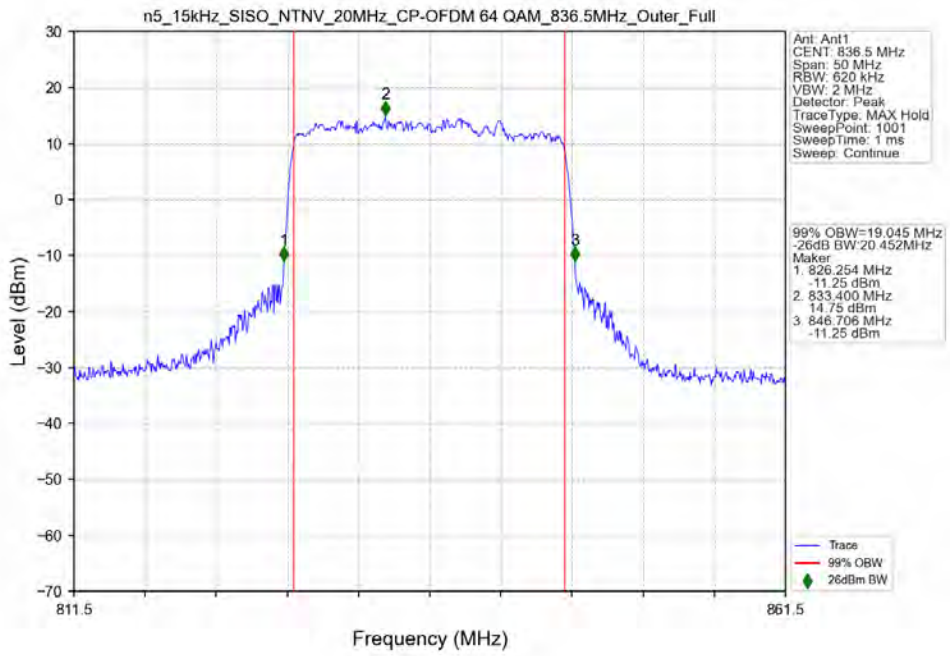

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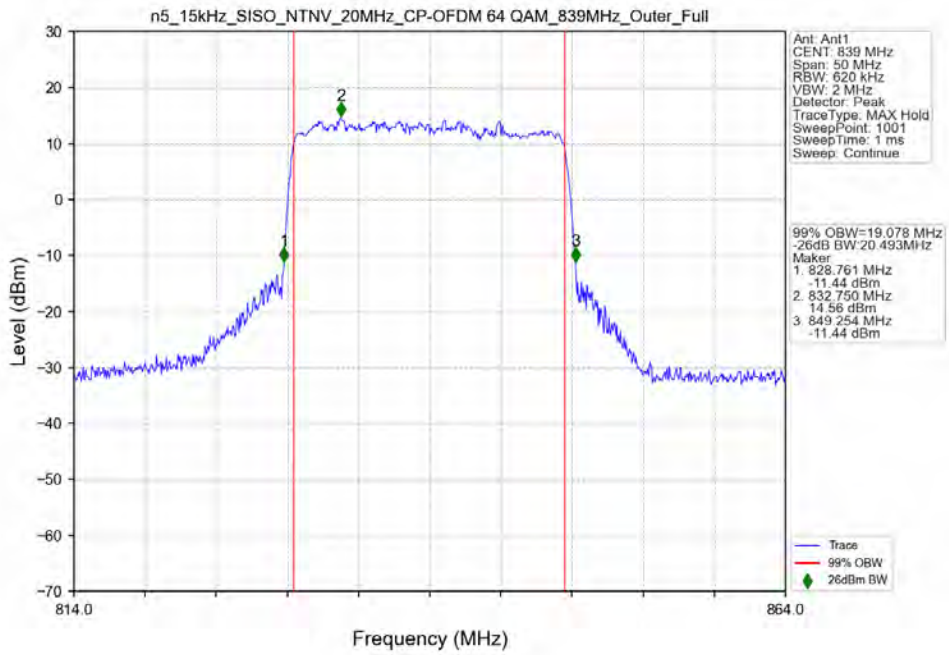

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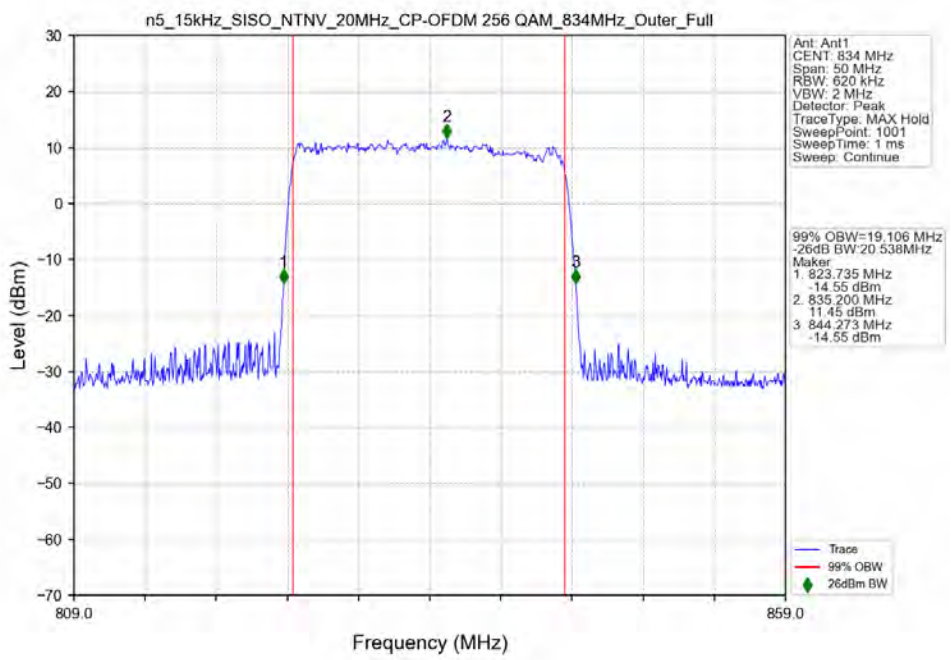
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_834MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_836.5MHz_Outer_Full

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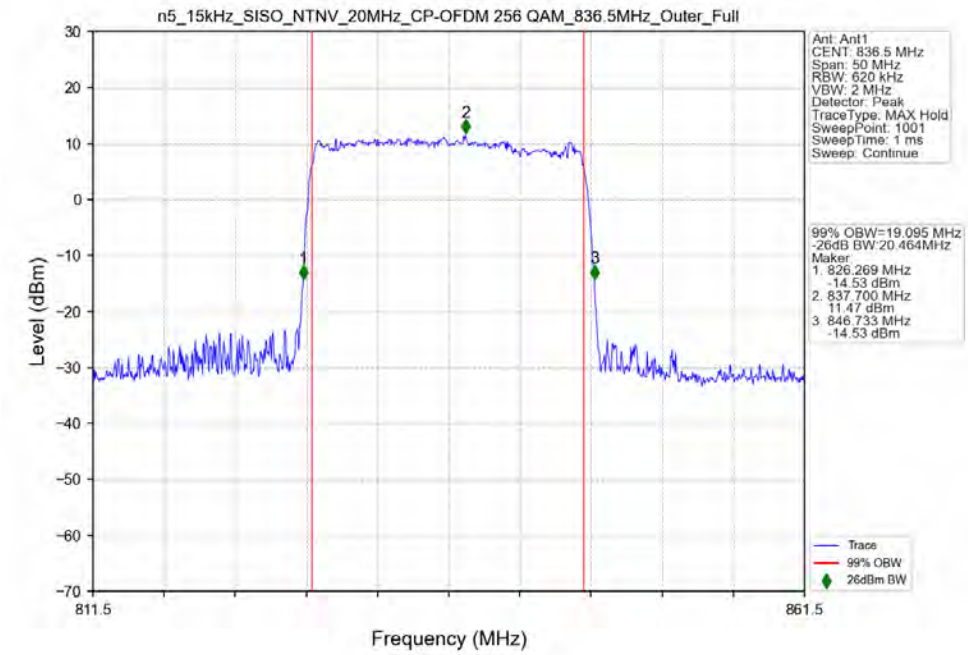

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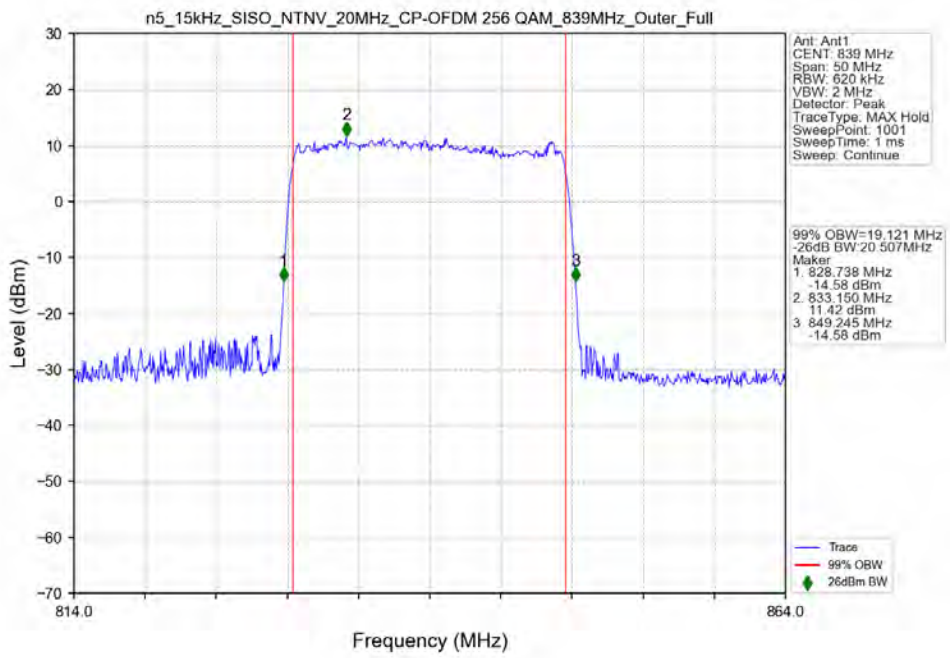
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_839MHz_Outer_Full



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4. Peak-Average Ratio

4.1 15k_SISO_5MHz_NTNV

4.1.1 Test Result

5G NR n5 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	826.5	Outer_Full	3.87	/	/	<=13	Pass
	836.5	Outer_Full	4.00	/	/	<=13	Pass
	846.5	Outer_Full	3.60	/	/	<=13	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	4.82	/	/	<=13	Pass
	836.5	Outer_Full	4.44	/	/	<=13	Pass
	846.5	Outer_Full	5.10	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	5.99	/	/	<=13	Pass
	836.5	Outer_Full	5.58	/	/	<=13	Pass
	846.5	Outer_Full	6.02	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	6.35	/	/	<=13	Pass
	836.5	Outer_Full	6.10	/	/	<=13	Pass
	846.5	Outer_Full	6.33	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	6.47	/	/	<=13	Pass
	836.5	Outer_Full	6.43	/	/	<=13	Pass
	846.5	Outer_Full	6.42	/	/	<=13	Pass
CP-OFDM QPSK	826.5	Outer_Full	6.40	/	/	<=13	Pass
	836.5	Outer_Full	6.64	/	/	<=13	Pass
	846.5	Outer_Full	6.67	/	/	<=13	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	6.82	/	/	<=13	Pass
	836.5	Outer_Full	7.10	/	/	<=13	Pass
	846.5	Outer_Full	6.65	/	/	<=13	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	7.33	/	/	<=13	Pass
	836.5	Outer_Full	7.62	/	/	<=13	Pass
	846.5	Outer_Full	7.14	/	/	<=13	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	8.42	/	/	<=13	Pass
	836.5	Outer_Full	8.38	/	/	<=13	Pass
	846.5	Outer_Full	8.41	/	/	<=13	Pass

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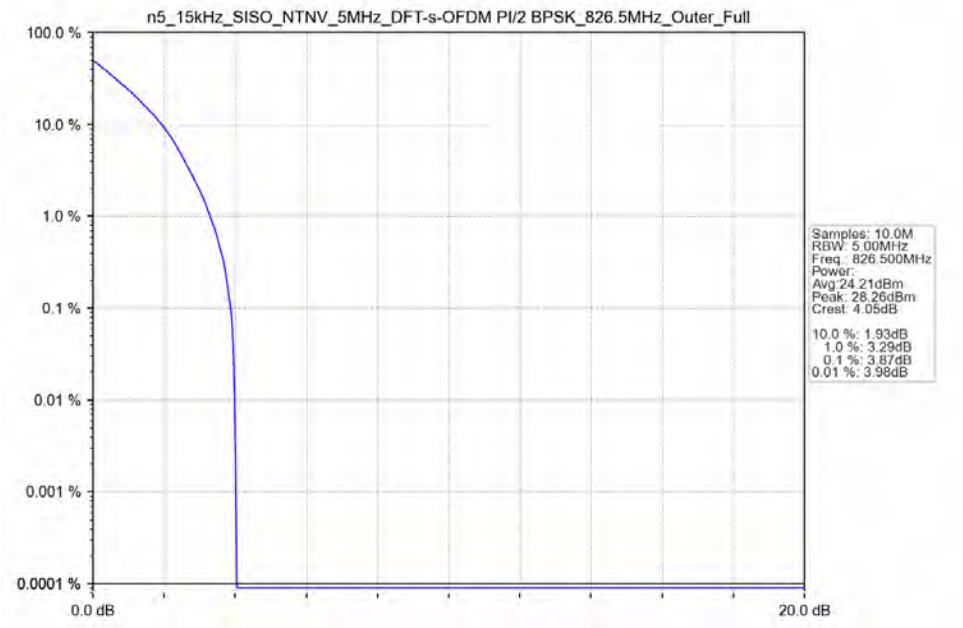
4.1.2 Test Graph

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_826.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Outer_Full

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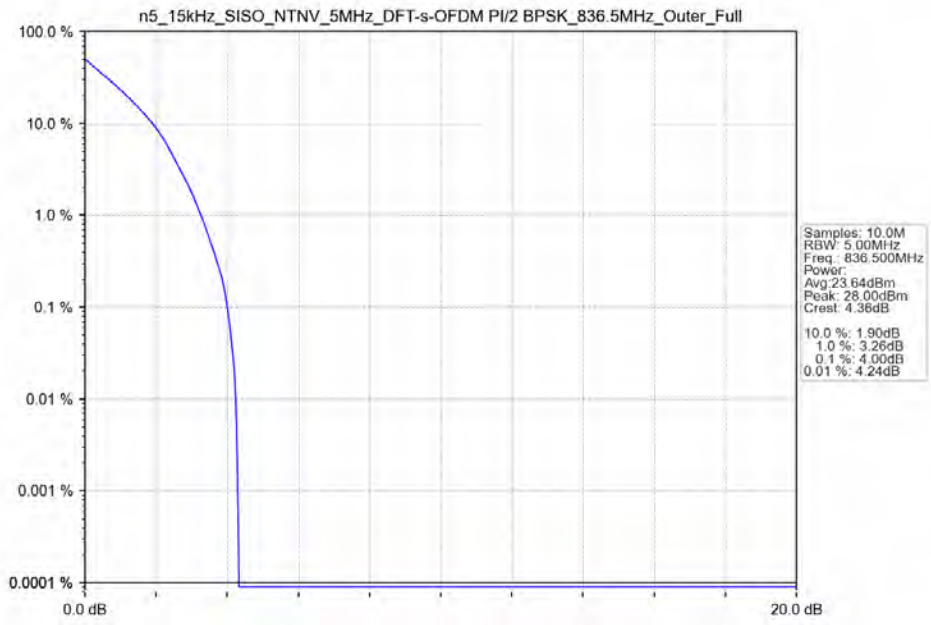

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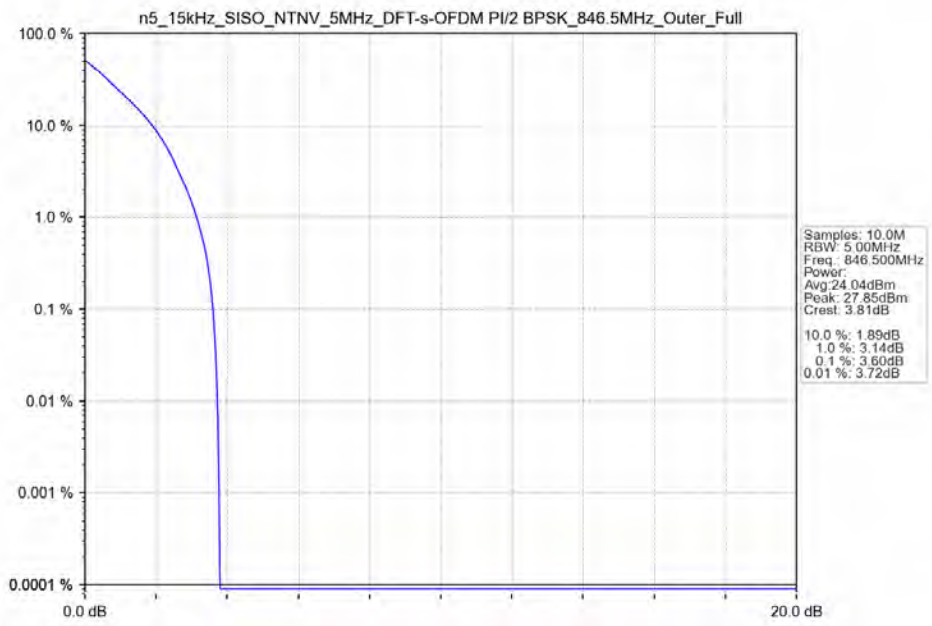
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_846.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_826.5MHz_Outer_Full

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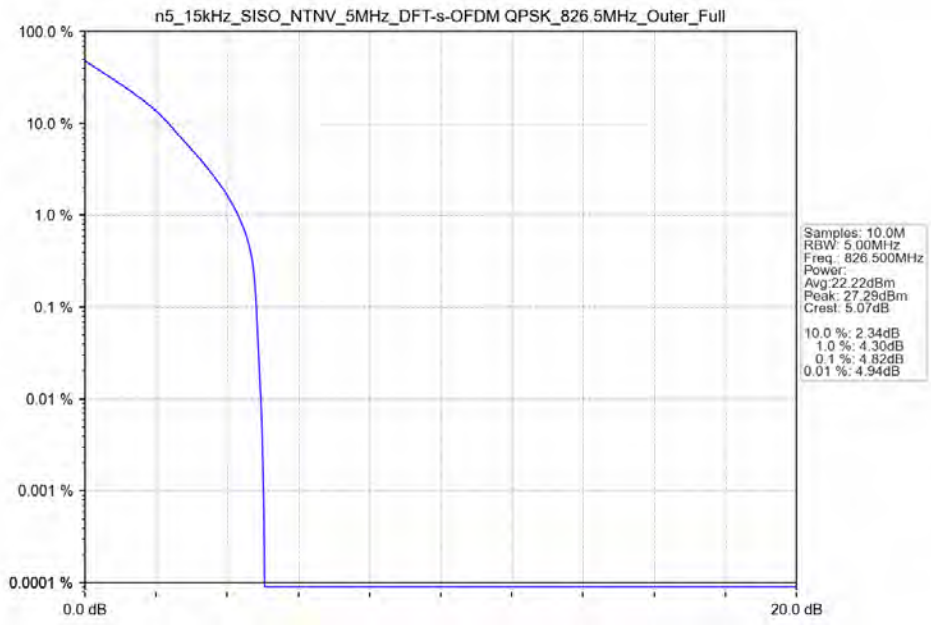

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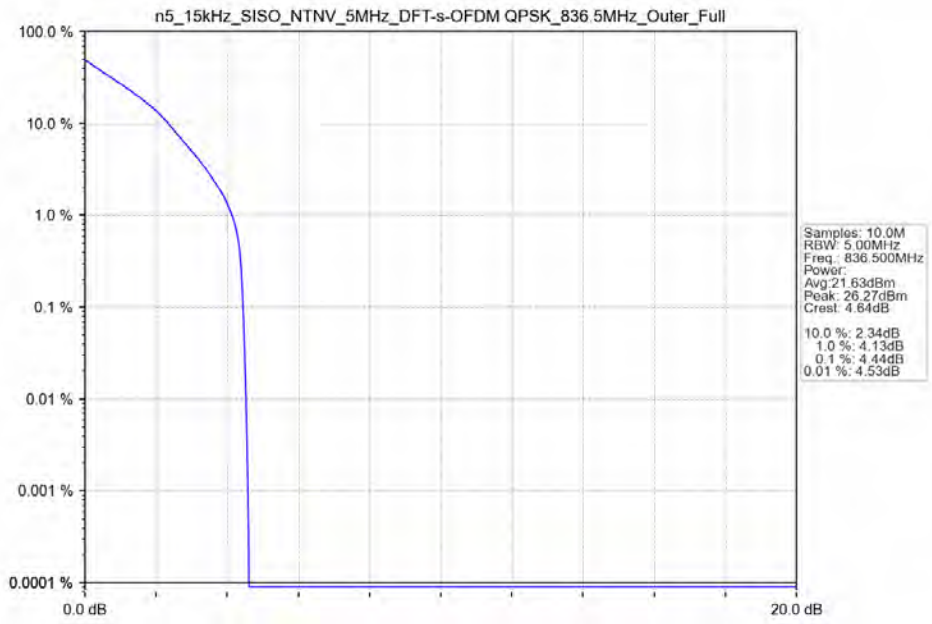

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_846.5MHz_Outer_Full

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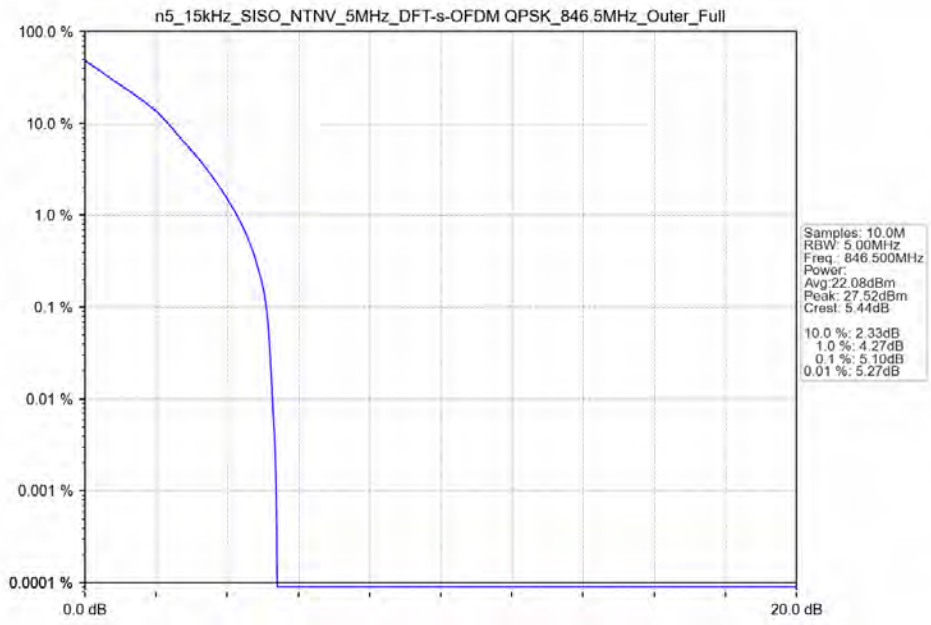

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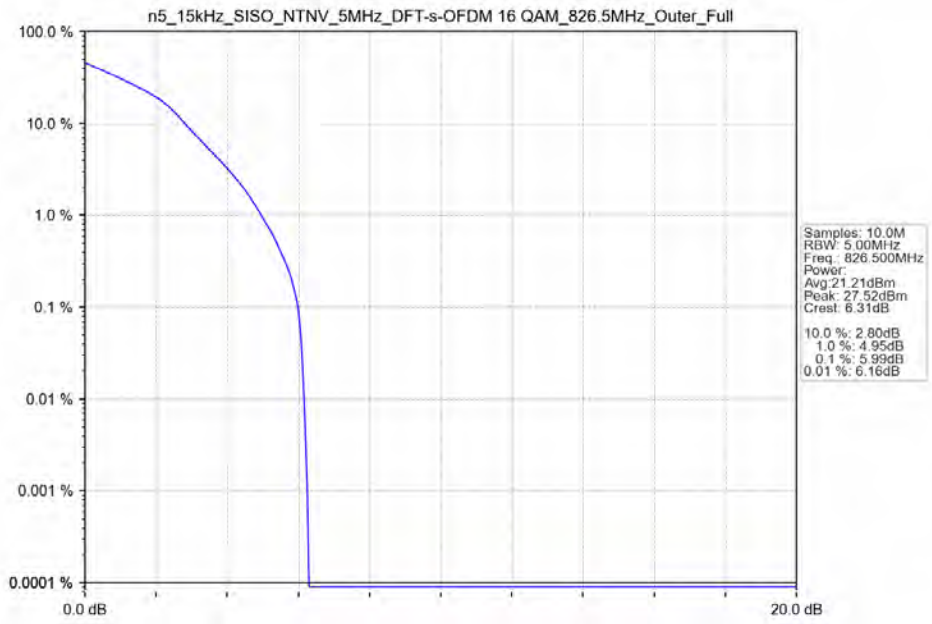

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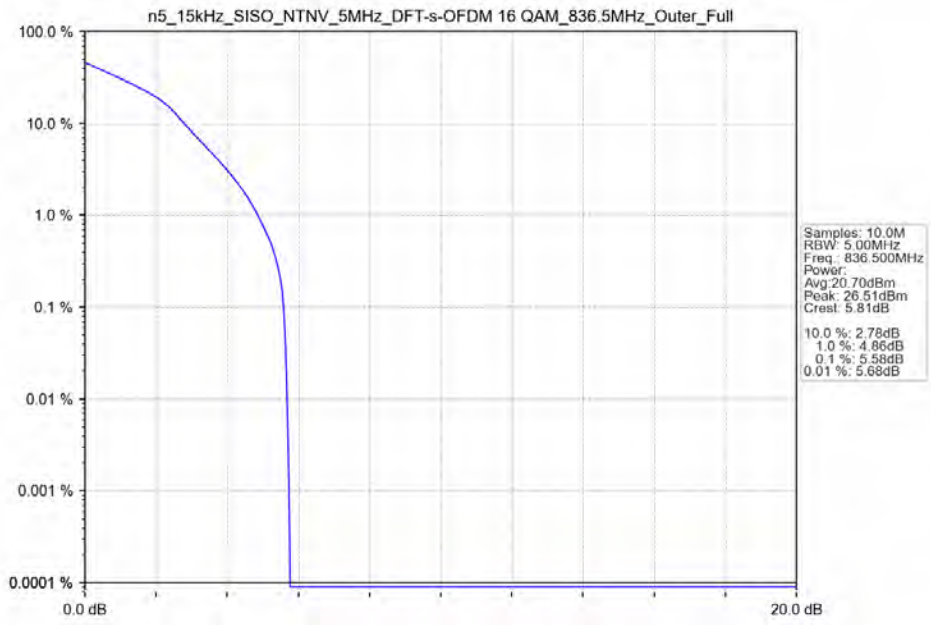

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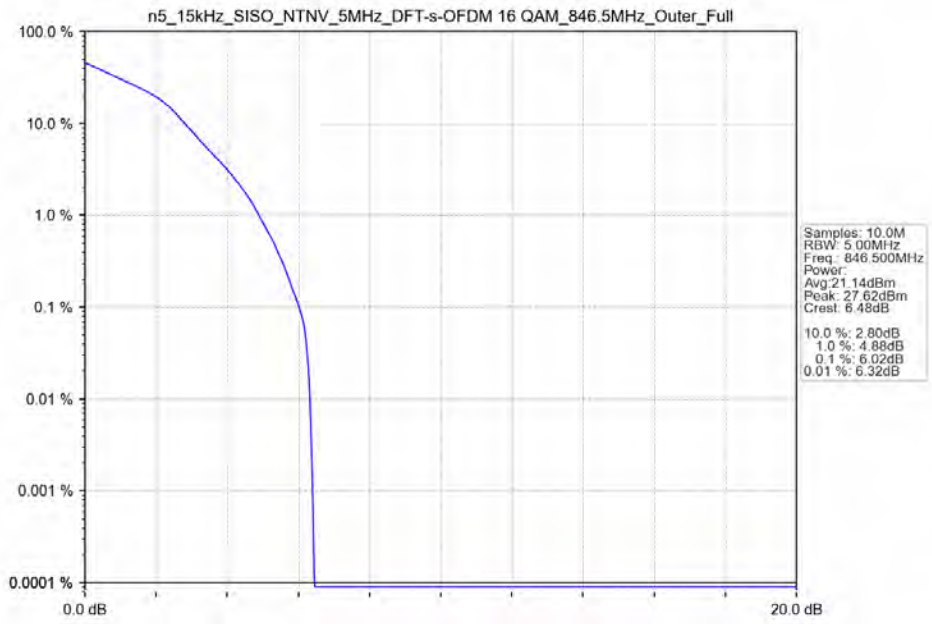
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_846.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_826.5MHz_Outer_Full

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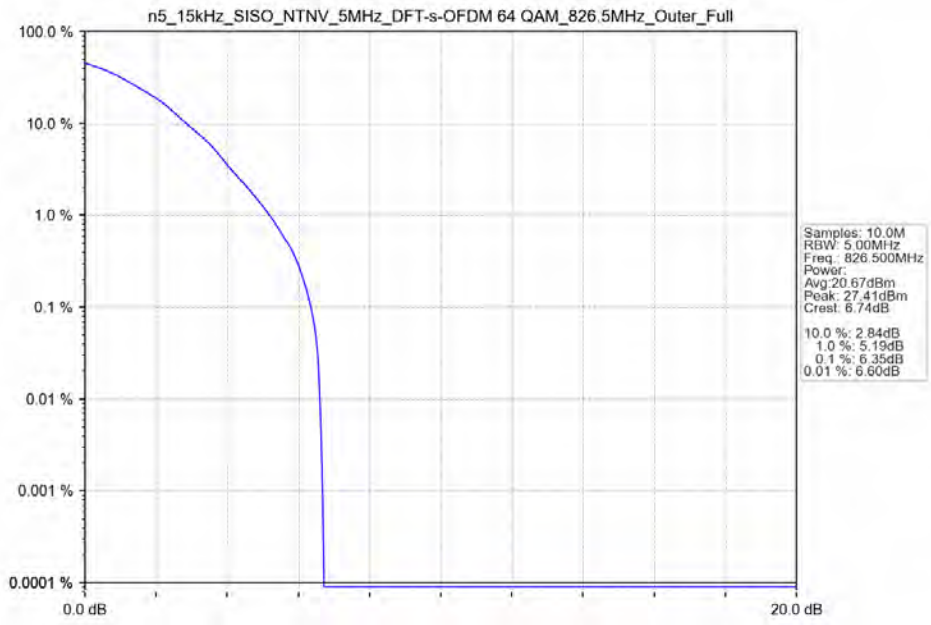

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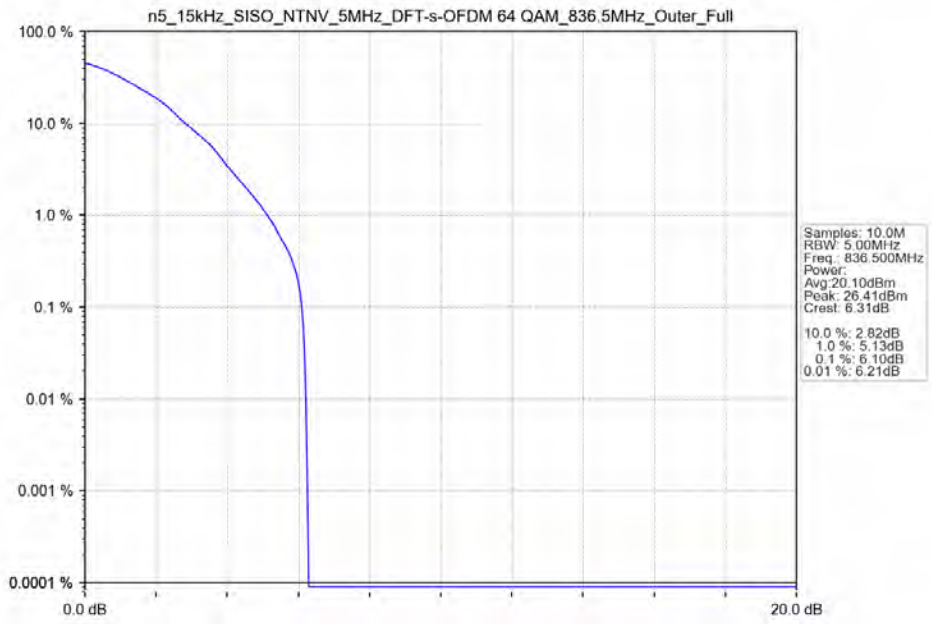

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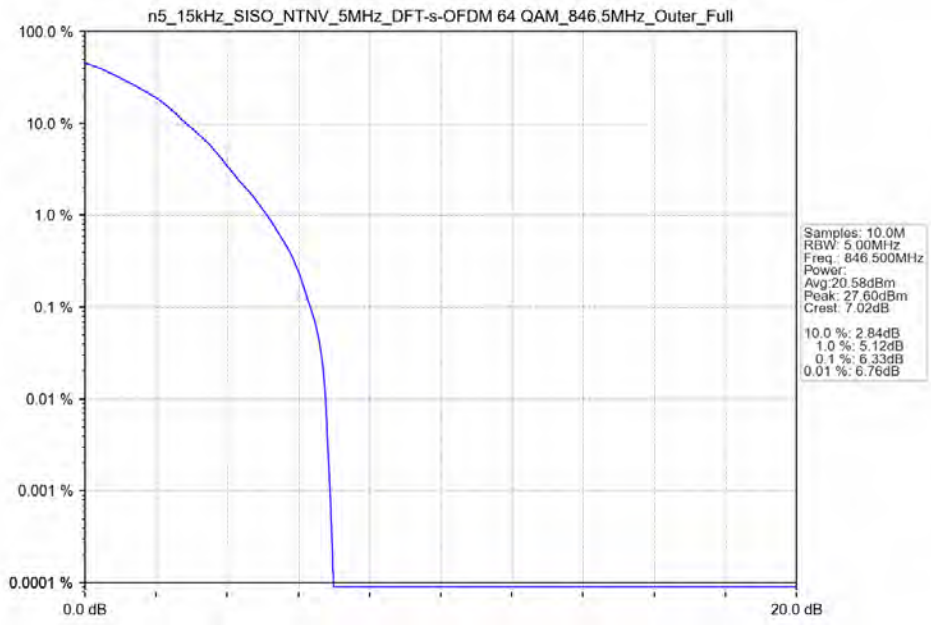

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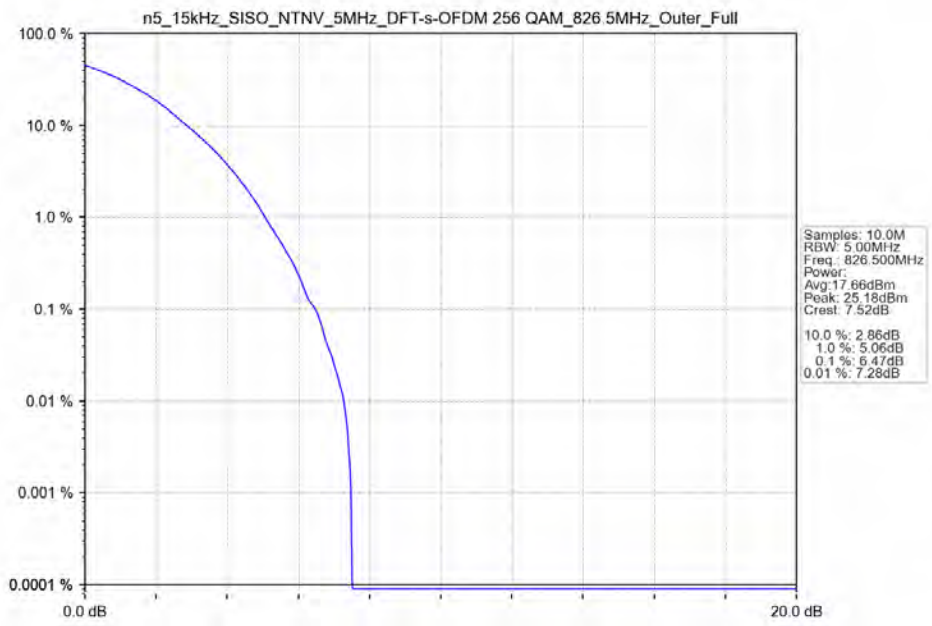

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_836.5MHz_Outer_Full

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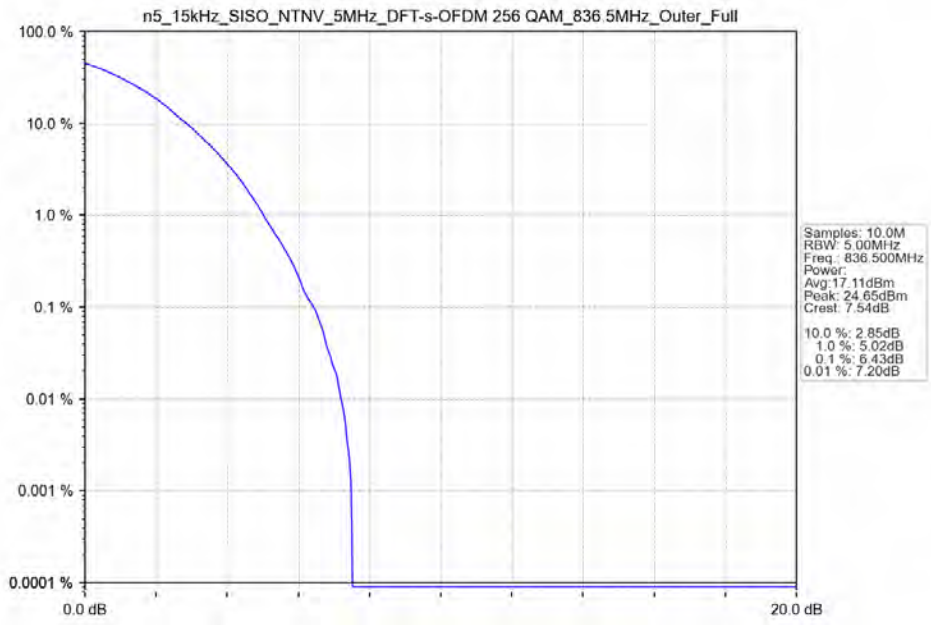

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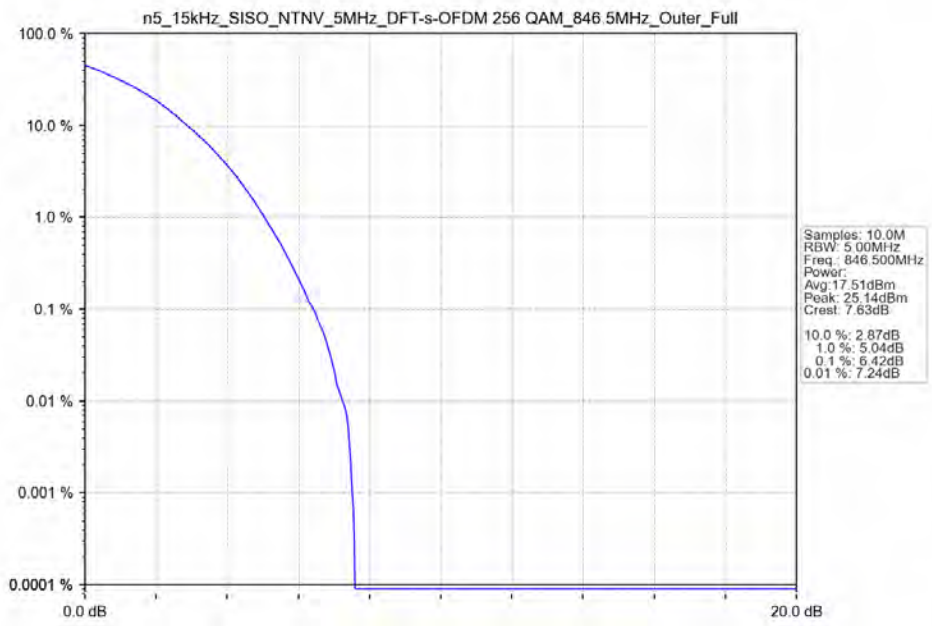

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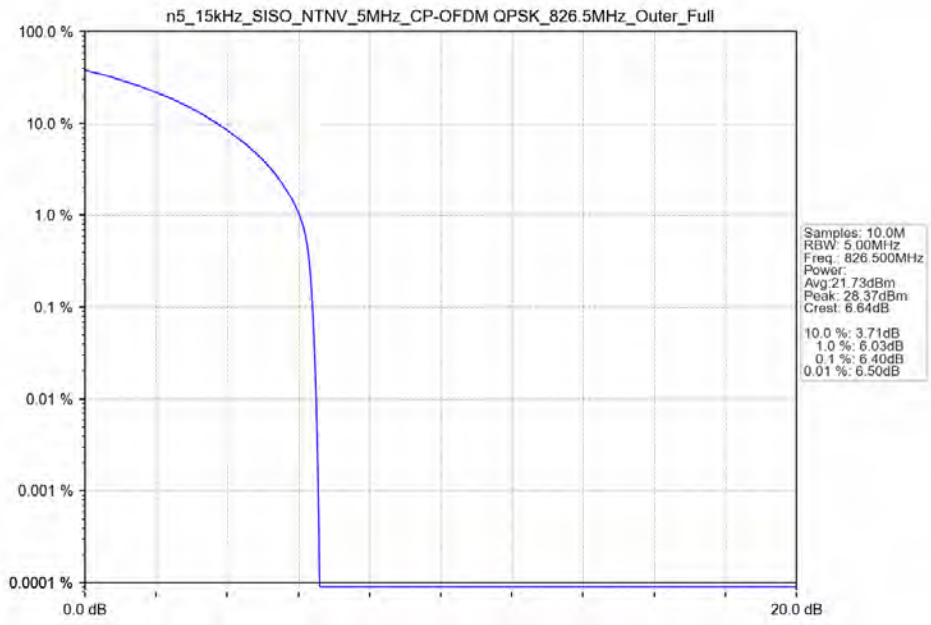

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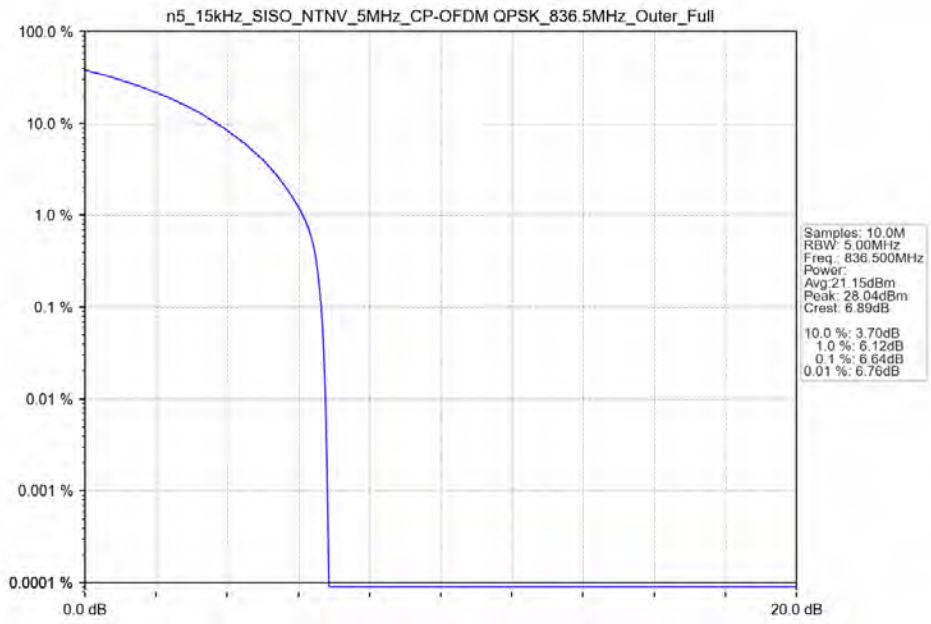

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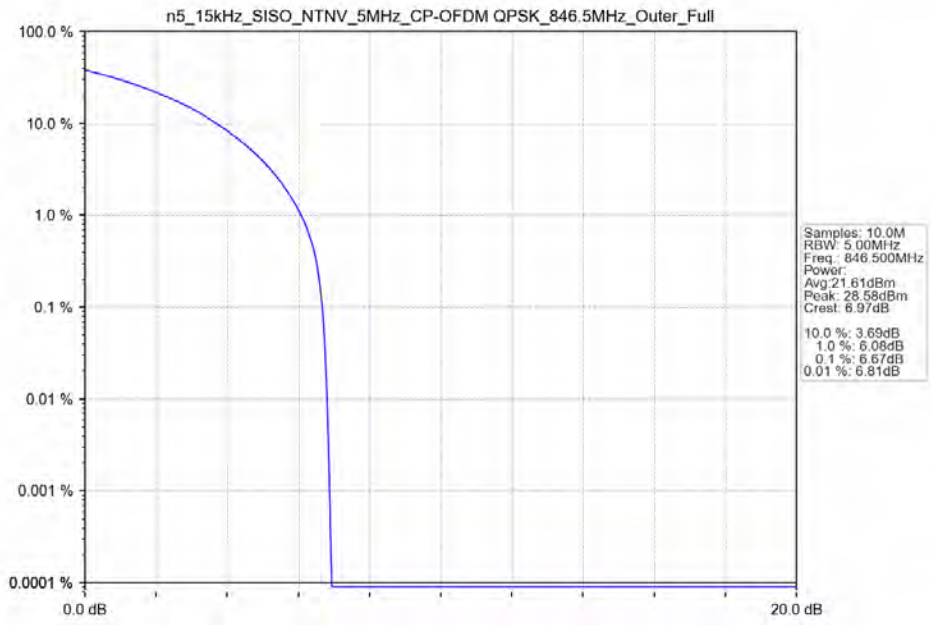

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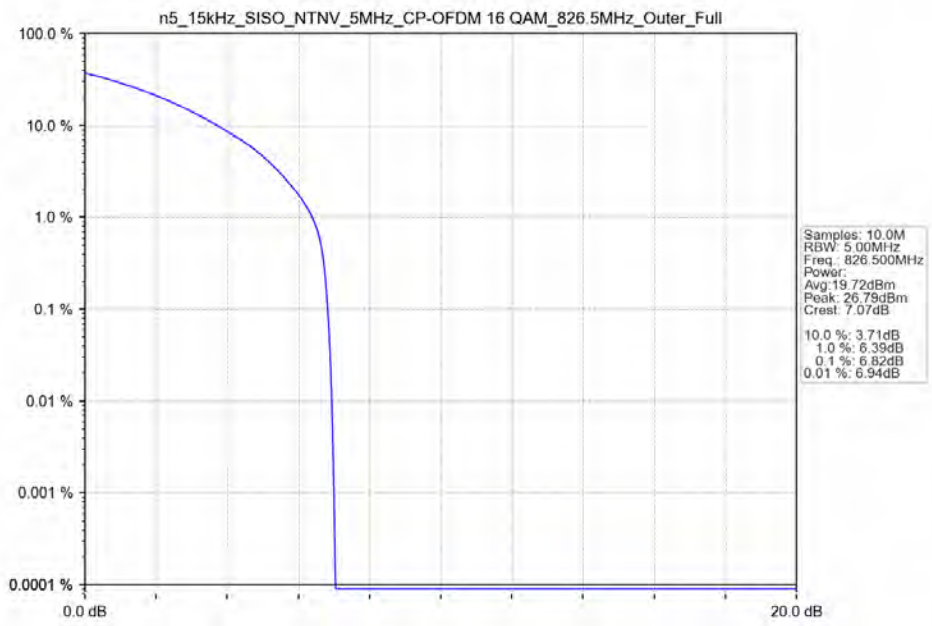

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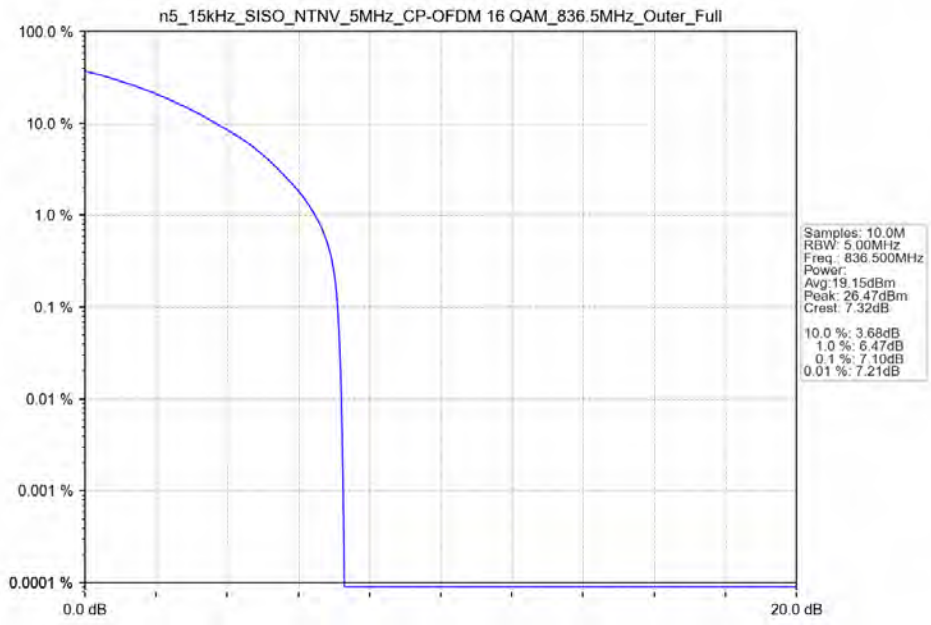

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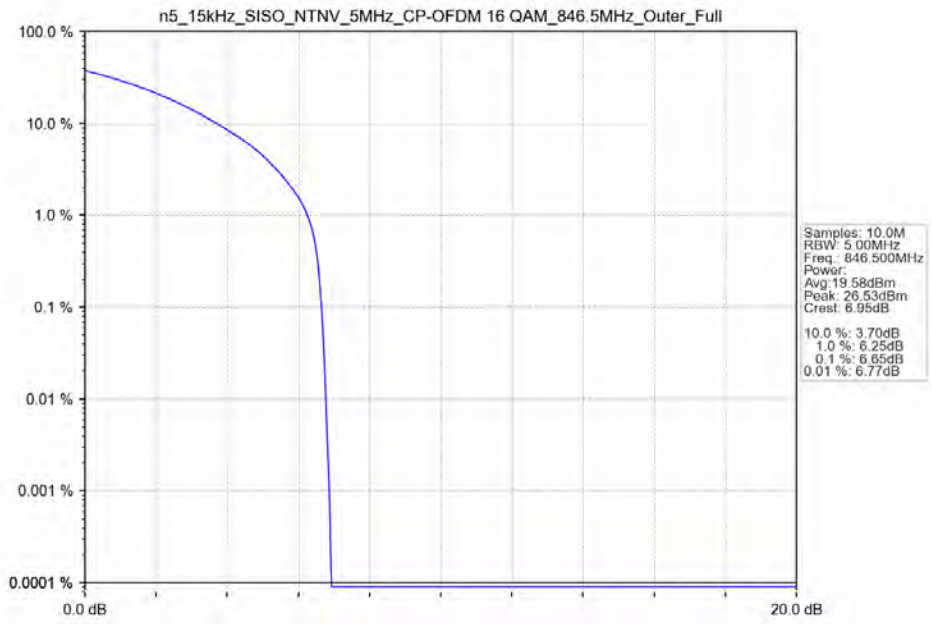

n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_826.5MHz_Outer_Full

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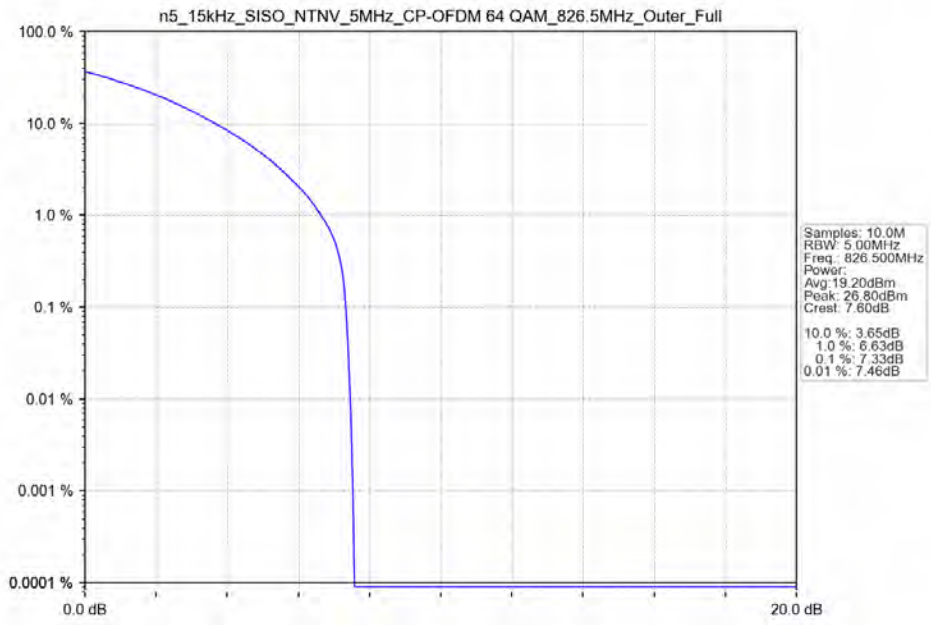

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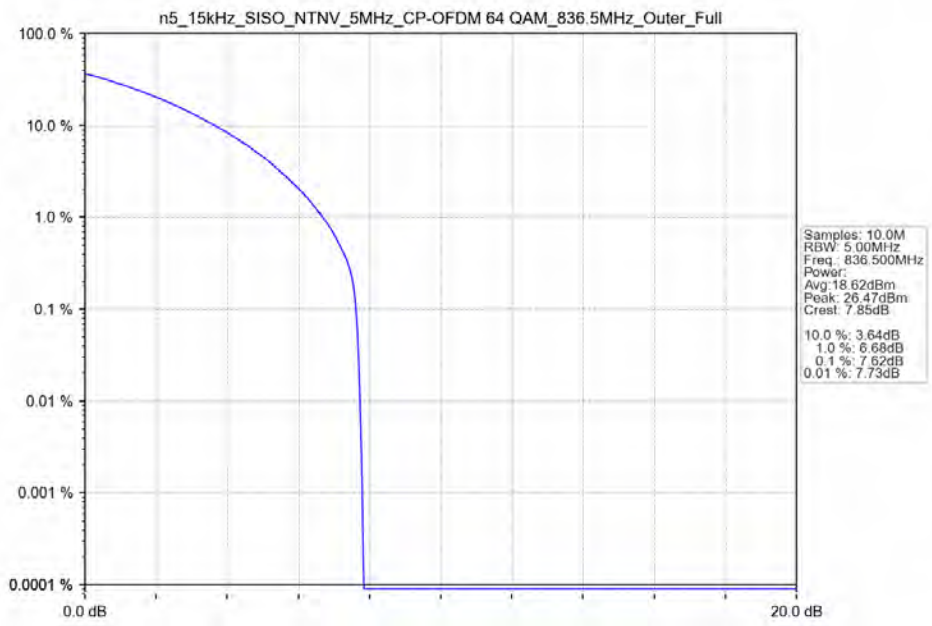
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_846.5MHz_Outer_Full

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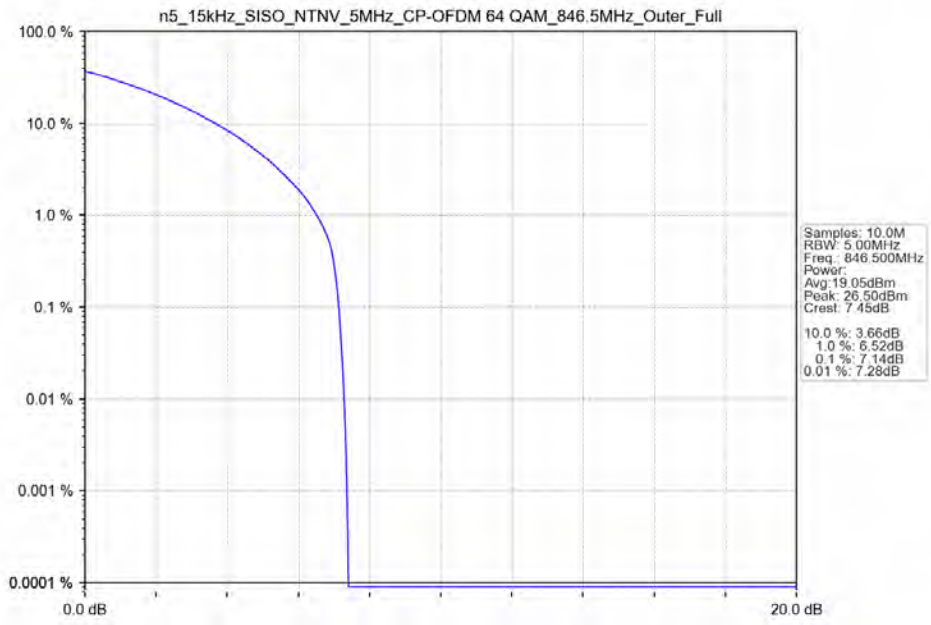

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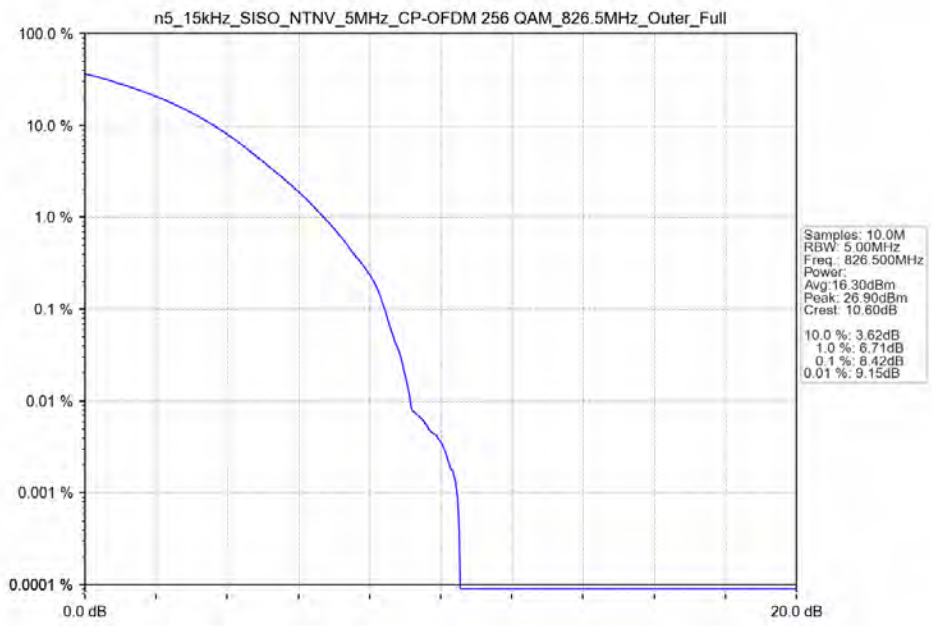

n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_836.5MHz_Outer_Full

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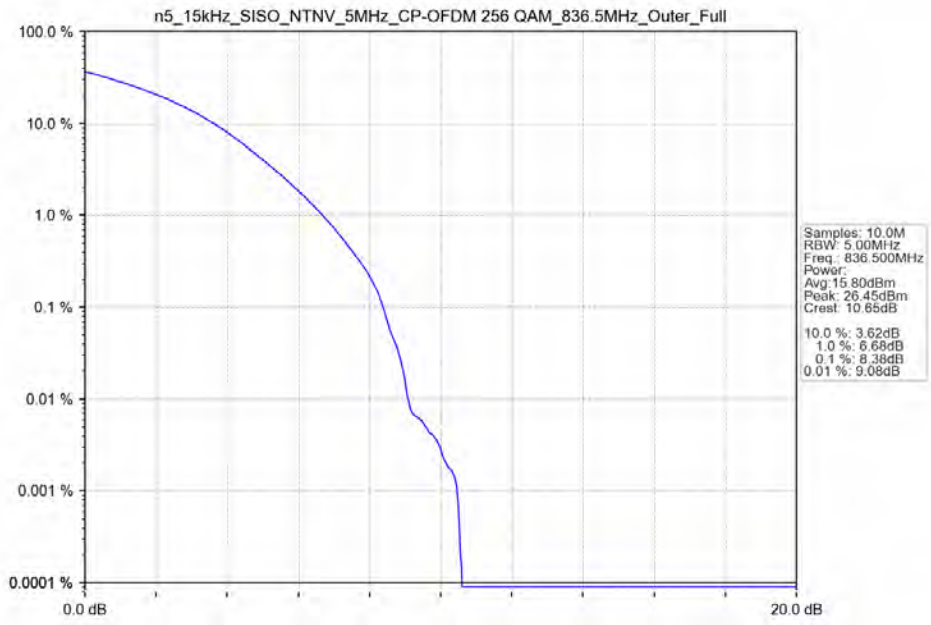

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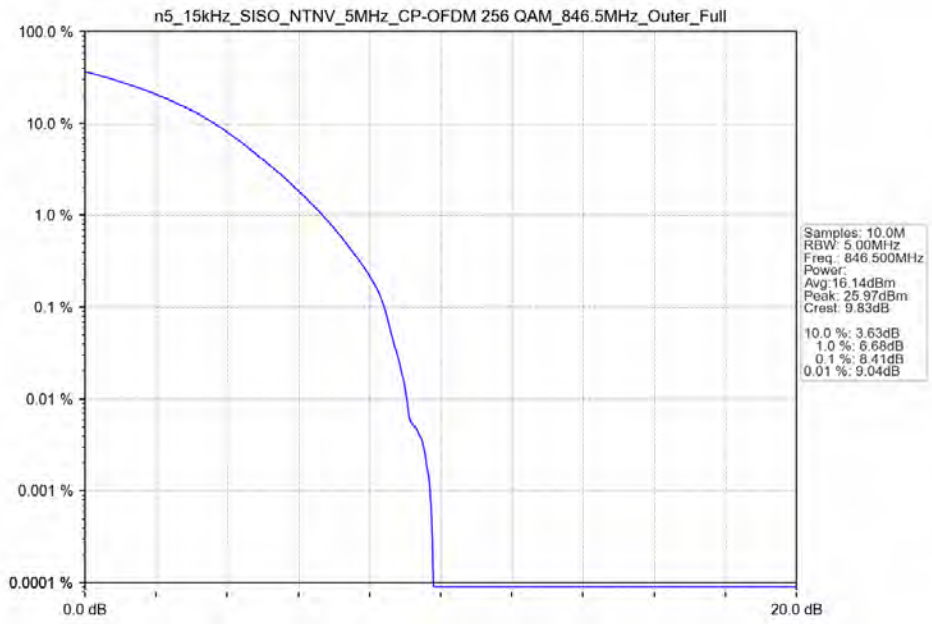

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4.2 15k_SISO_10MHz_NTNV

4.2.1 Test Result

5G NR n5 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	829	Outer_Full	3.94	/	/	<=13	Pass
	836.5	Outer_Full	3.96	/	/	<=13	Pass
	844	Outer_Full	3.82	/	/	<=13	Pass
DFT-s-OFDM QPSK	829	Outer_Full	4.94	/	/	<=13	Pass
	836.5	Outer_Full	5.04	/	/	<=13	Pass
	844	Outer_Full	5.27	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	5.99	/	/	<=13	Pass
	836.5	Outer_Full	6.07	/	/	<=13	Pass
	844	Outer_Full	6.24	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	6.33	/	/	<=13	Pass
	836.5	Outer_Full	6.33	/	/	<=13	Pass
	844	Outer_Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	6.62	/	/	<=13	Pass
	836.5	Outer_Full	6.55	/	/	<=13	Pass
	844	Outer_Full	6.62	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer_Full	6.71	/	/	<=13	Pass
	836.5	Outer_Full	6.74	/	/	<=13	Pass
	844	Outer_Full	6.69	/	/	<=13	Pass
CP-OFDM 16 QAM	829	Outer_Full	6.89	/	/	<=13	Pass
	836.5	Outer_Full	7.07	/	/	<=13	Pass
	844	Outer_Full	6.96	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer_Full	7.34	/	/	<=13	Pass
	836.5	Outer_Full	7.48	/	/	<=13	Pass
	844	Outer_Full	7.39	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer_Full	8.64	/	/	<=13	Pass
	836.5	Outer_Full	8.63	/	/	<=13	Pass
	844	Outer_Full	8.61	/	/	<=13	Pass

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4.2.2 Test Graph

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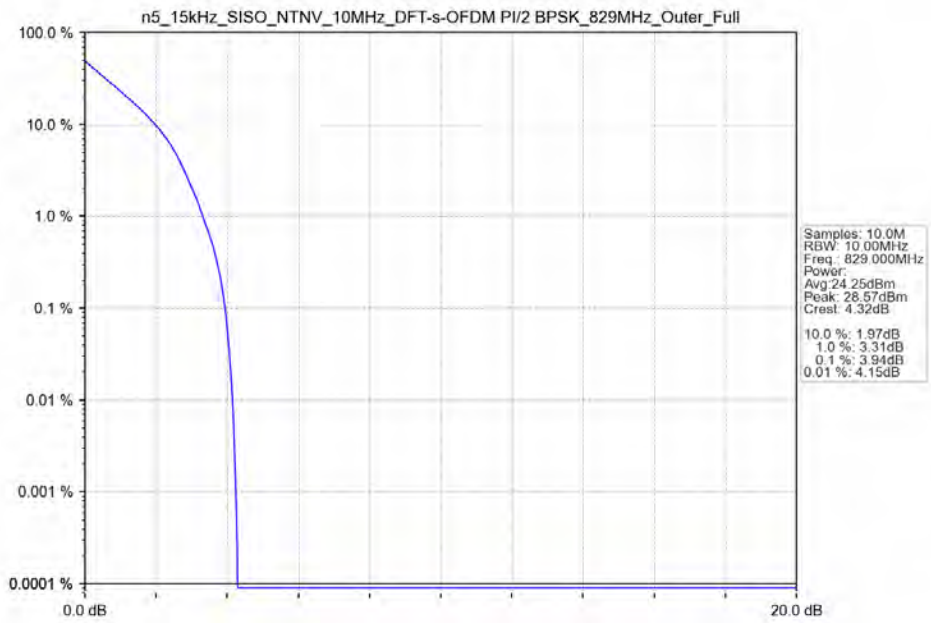

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