

Appendix C.2

NR Band n5



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

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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	826.5	Edge_1RB_Left	23.40	/	/	23.37	/	/	<=38.45	Pass
		Edge_1RB_Right	23.41	/	/	23.38	/	/	<=38.45	Pass
		Outer_Full	23.43	/	/	23.40	/	/	<=38.45	Pass
		Inner_Full	23.33	/	/	23.30	/	/	<=38.45	Pass
		Inner_1RB_Left	23.38	/	/	23.35	/	/	<=38.45	Pass
		Inner_1RB_Right	23.47	/	/	23.44	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.54	/	/	23.51	/	/	<=38.45	Pass
		Edge_1RB_Right	23.51	/	/	23.48	/	/	<=38.45	Pass
		Outer_Full	23.54	/	/	23.51	/	/	<=38.45	Pass
		Inner_Full	23.58	/	/	23.55	/	/	<=38.45	Pass
		Inner_1RB_Left	23.41	/	/	23.38	/	/	<=38.45	Pass
		Inner_1RB_Right	23.51	/	/	23.48	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.35	/	/	23.32	/	/	<=38.45	Pass
		Edge_1RB_Right	23.18	/	/	23.15	/	/	<=38.45	Pass
		Outer_Full	23.32	/	/	23.29	/	/	<=38.45	Pass
		Inner_Full	23.19	/	/	23.16	/	/	<=38.45	Pass
		Inner_1RB_Left	23.41	/	/	23.38	/	/	<=38.45	Pass
		Inner_1RB_Right	23.24	/	/	23.21	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	826.5	Edge_1RB_Left	23.39	/	/	23.36	/	/	<=38.45	Pass
		Edge_1RB_Right	23.49	/	/	23.46	/	/	<=38.45	Pass
		Outer_Full	23.48	/	/	23.45	/	/	<=38.45	Pass
		Inner_Full	23.29	/	/	23.26	/	/	<=38.45	Pass
		Inner_1RB_Left	23.59	/	/	23.56	/	/	<=38.45	Pass
		Inner_1RB_Right	23.69	/	/	23.66	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.41	/	/	23.38	/	/	<=38.45	Pass
		Edge_1RB_Right	23.54	/	/	23.51	/	/	<=38.45	Pass
		Outer_Full	23.59	/	/	23.56	/	/	<=38.45	Pass
		Inner_Full	23.59	/	/	23.56	/	/	<=38.45	Pass



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		Inner_1RB_Left	23.55	/	/	23.52	/	/	<=38.45	Pass
		Inner_1RB_Right	23.51	/	/	23.48	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.34	/	/	23.31	/	/	<=38.45	Pass
		Edge_1RB_Right	23.17	/	/	23.14	/	/	<=38.45	Pass
		Outer_Full	23.31	/	/	23.28	/	/	<=38.45	Pass
		Inner_Full	23.24	/	/	23.21	/	/	<=38.45	Pass
		Inner_1RB_Left	23.30	/	/	23.27	/	/	<=38.45	Pass
		Inner_1RB_Right	23.27	/	/	23.24	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge_1RB_Left	22.37	/	/	22.34	/	/	<=38.45	Pass
		Edge_1RB_Right	22.48	/	/	22.45	/	/	<=38.45	Pass
		Outer_Full	22.50	/	/	22.47	/	/	<=38.45	Pass
		Inner_Full	23.44	/	/	23.41	/	/	<=38.45	Pass
		Inner_1RB_Left	23.32	/	/	23.29	/	/	<=38.45	Pass
		Inner_1RB_Right	23.46	/	/	23.43	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.66	/	/	22.63	/	/	<=38.45	Pass
		Edge_1RB_Right	22.53	/	/	22.50	/	/	<=38.45	Pass
		Outer_Full	22.58	/	/	22.55	/	/	<=38.45	Pass
		Inner_Full	23.62	/	/	23.59	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	23.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.44	/	/	23.41	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.43	/	/	22.40	/	/	<=38.45	Pass
		Edge_1RB_Right	22.17	/	/	22.14	/	/	<=38.45	Pass
		Outer_Full	22.16	/	/	22.13	/	/	<=38.45	Pass
		Inner_Full	23.19	/	/	23.16	/	/	<=38.45	Pass
		Inner_1RB_Left	23.44	/	/	23.41	/	/	<=38.45	Pass
		Inner_1RB_Right	23.25	/	/	23.22	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge_1RB_Left	22.06	/	/	22.03	/	/	<=38.45	Pass
		Edge_1RB_Right	21.92	/	/	21.89	/	/	<=38.45	Pass
		Outer_Full	21.98	/	/	21.95	/	/	<=38.45	Pass
		Inner_Full	21.98	/	/	21.95	/	/	<=38.45	Pass
		Inner_1RB_Left	21.97	/	/	21.94	/	/	<=38.45	Pass
		Inner_1RB_Right	22.13	/	/	22.10	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.99	/	/	21.96	/	/	<=38.45	Pass
		Edge_1RB_Right	22.17	/	/	22.14	/	/	<=38.45	Pass
		Outer_Full	22.13	/	/	22.10	/	/	<=38.45	Pass
		Inner_Full	22.12	/	/	22.09	/	/	<=38.45	Pass
		Inner_1RB_Left	22.03	/	/	22.00	/	/	<=38.45	Pass



	846.5	Inner_1RB_Right	22.26	/	/	22.23	/	/	<=38.45	Pass
		Edge_1RB_Left	21.95	/	/	21.92	/	/	<=38.45	Pass
		Edge_1RB_Right	21.67	/	/	21.64	/	/	<=38.45	Pass
		Outer_Full	21.76	/	/	21.73	/	/	<=38.45	Pass
		Inner_Full	21.81	/	/	21.78	/	/	<=38.45	Pass
		Inner_1RB_Left	21.85	/	/	21.82	/	/	<=38.45	Pass
		Inner_1RB_Right	21.68	/	/	21.65	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Edge_1RB_Left	19.90	/	/	19.87	/	/	<=38.45	Pass
		Edge_1RB_Right	19.80	/	/	19.77	/	/	<=38.45	Pass
		Outer_Full	20.01	/	/	19.98	/	/	<=38.45	Pass
		Inner_Full	19.89	/	/	19.86	/	/	<=38.45	Pass
		Inner_1RB_Left	20.15	/	/	20.12	/	/	<=38.45	Pass
		Inner_1RB_Right	19.98	/	/	19.95	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.91	/	/	19.88	/	/	<=38.45	Pass
		Edge_1RB_Right	20.02	/	/	19.99	/	/	<=38.45	Pass
		Outer_Full	20.13	/	/	20.10	/	/	<=38.45	Pass
		Inner_Full	20.05	/	/	20.02	/	/	<=38.45	Pass
		Inner_1RB_Left	19.97	/	/	19.94	/	/	<=38.45	Pass
		Inner_1RB_Right	20.02	/	/	19.99	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	19.84	/	/	19.81	/	/	<=38.45	Pass
		Edge_1RB_Right	19.50	/	/	19.47	/	/	<=38.45	Pass
		Outer_Full	19.77	/	/	19.74	/	/	<=38.45	Pass
		Inner_Full	19.78	/	/	19.75	/	/	<=38.45	Pass
		Inner_1RB_Left	20.01	/	/	19.98	/	/	<=38.45	Pass
		Inner_1RB_Right	19.83	/	/	19.80	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	21.49	/	/	21.46	/	/	<=38.45	Pass
		Edge_1RB_Right	21.42	/	/	21.39	/	/	<=38.45	Pass
		Outer_Full	21.48	/	/	21.45	/	/	<=38.45	Pass
		Inner_Full	22.99	/	/	22.96	/	/	<=38.45	Pass
		Inner_1RB_Left	22.69	/	/	22.66	/	/	<=38.45	Pass
		Inner_1RB_Right	22.73	/	/	22.70	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.42	/	/	21.39	/	/	<=38.45	Pass
		Edge_1RB_Right	21.52	/	/	21.49	/	/	<=38.45	Pass
		Outer_Full	21.63	/	/	21.60	/	/	<=38.45	Pass
		Inner_Full	23.05	/	/	23.02	/	/	<=38.45	Pass
		Inner_1RB_Left	22.98	/	/	22.95	/	/	<=38.45	Pass
		Inner_1RB_Right	23.02	/	/	22.99	/	/	<=38.45	Pass



	846.5	Edge_1RB_Left	21.43	/	/	21.40	/	/	<=38.45	Pass
		Edge_1RB_Right	21.27	/	/	21.24	/	/	<=38.45	Pass
		Outer_Full	21.23	/	/	21.20	/	/	<=38.45	Pass
		Inner_Full	22.79	/	/	22.76	/	/	<=38.45	Pass
		Inner_1RB_Left	22.67	/	/	22.64	/	/	<=38.45	Pass
		Inner_1RB_Right	22.64	/	/	22.61	/	/	<=38.45	Pass
CP-OFDM 16 QAM	826.5	Edge_1RB_Left	21.42	/	/	21.39	/	/	<=38.45	Pass
		Edge_1RB_Right	21.51	/	/	21.48	/	/	<=38.45	Pass
		Outer_Full	21.41	/	/	21.38	/	/	<=38.45	Pass
		Inner_Full	22.47	/	/	22.44	/	/	<=38.45	Pass
		Inner_1RB_Left	22.25	/	/	22.22	/	/	<=38.45	Pass
		Inner_1RB_Right	22.31	/	/	22.28	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.64	/	/	21.61	/	/	<=38.45	Pass
		Edge_1RB_Right	21.55	/	/	21.52	/	/	<=38.45	Pass
		Outer_Full	21.65	/	/	21.62	/	/	<=38.45	Pass
		Inner_Full	22.61	/	/	22.58	/	/	<=38.45	Pass
		Inner_1RB_Left	22.63	/	/	22.60	/	/	<=38.45	Pass
		Inner_1RB_Right	22.50	/	/	22.47	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.17	/	/	21.14	/	/	<=38.45	Pass
		Edge_1RB_Right	21.42	/	/	21.39	/	/	<=38.45	Pass
		Outer_Full	21.26	/	/	21.23	/	/	<=38.45	Pass
		Inner_Full	22.39	/	/	22.36	/	/	<=38.45	Pass
		Inner_1RB_Left	22.14	/	/	22.11	/	/	<=38.45	Pass
		Inner_1RB_Right	22.05	/	/	22.02	/	/	<=38.45	Pass
CP-OFDM 64 QAM	826.5	Edge_1RB_Left	21.13	/	/	21.10	/	/	<=38.45	Pass
		Edge_1RB_Right	21.15	/	/	21.12	/	/	<=38.45	Pass
		Outer_Full	20.97	/	/	20.94	/	/	<=38.45	Pass
		Inner_Full	21.07	/	/	21.04	/	/	<=38.45	Pass
		Inner_1RB_Left	20.92	/	/	20.89	/	/	<=38.45	Pass
		Inner_1RB_Right	20.93	/	/	20.90	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.11	/	/	21.08	/	/	<=38.45	Pass
		Edge_1RB_Right	21.12	/	/	21.09	/	/	<=38.45	Pass
		Outer_Full	21.00	/	/	20.97	/	/	<=38.45	Pass
		Inner_Full	20.98	/	/	20.95	/	/	<=38.45	Pass
		Inner_1RB_Left	20.94	/	/	20.91	/	/	<=38.45	Pass
		Inner_1RB_Right	21.20	/	/	21.17	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.97	/	/	20.94	/	/	<=38.45	Pass



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		Edge_1RB_Right	20.71	/	/	20.68	/	/	<=38.45	Pass
		Outer_Full	20.86	/	/	20.83	/	/	<=38.45	Pass
		Inner_Full	20.77	/	/	20.74	/	/	<=38.45	Pass
		Inner_1RB_Left	20.80	/	/	20.77	/	/	<=38.45	Pass
		Inner_1RB_Right	20.88	/	/	20.85	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge_1RB_Left	17.97	/	/	17.94	/	/	<=38.45	Pass
		Edge_1RB_Right	17.95	/	/	17.92	/	/	<=38.45	Pass
		Outer_Full	17.97	/	/	17.94	/	/	<=38.45	Pass
		Inner_Full	17.91	/	/	17.88	/	/	<=38.45	Pass
		Inner_1RB_Left	17.94	/	/	17.91	/	/	<=38.45	Pass
		Inner_1RB_Right	17.89	/	/	17.86	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.92	/	/	17.89	/	/	<=38.45	Pass
		Edge_1RB_Right	18.10	/	/	18.07	/	/	<=38.45	Pass
		Outer_Full	18.11	/	/	18.08	/	/	<=38.45	Pass
		Inner_Full	18.13	/	/	18.10	/	/	<=38.45	Pass
		Inner_1RB_Left	18.04	/	/	18.01	/	/	<=38.45	Pass
		Inner_1RB_Right	17.99	/	/	17.96	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	17.86	/	/	17.83	/	/	<=38.45	Pass
		Edge_1RB_Right	17.60	/	/	17.57	/	/	<=38.45	Pass
		Outer_Full	17.76	/	/	17.73	/	/	<=38.45	Pass
		Inner_Full	17.74	/	/	17.71	/	/	<=38.45	Pass
		Inner_1RB_Left	17.97	/	/	17.94	/	/	<=38.45	Pass
		Inner_1RB_Right	17.96	/	/	17.93	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: 2.12dBi;										
Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	829	Edge_1RB_Left	23.36	/	/	23.33	/	/	<=38.45	Pass
		Edge_1RB_Right	23.41	/	/	23.38	/	/	<=38.45	Pass
		Outer_Full	23.49	/	/	23.46	/	/	<=38.45	Pass
		Inner_Full	23.31	/	/	23.28	/	/	<=38.45	Pass
		Inner_1RB_Left	23.36	/	/	23.33	/	/	<=38.45	Pass
		Inner_1RB_Right	23.40	/	/	23.37	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.40	/	/	23.37	/	/	<=38.45	Pass



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		Edge_1RB_Right	23.42	/	/	23.39	/	/	<=38.45	Pass
		Outer_Full	23.52	/	/	23.49	/	/	<=38.45	Pass
		Inner_Full	23.54	/	/	23.51	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	23.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.49	/	/	23.46	/	/	<=38.45	Pass
	844	Edge_1RB_Left	23.52	/	/	23.49	/	/	<=38.45	Pass
		Edge_1RB_Right	23.16	/	/	23.13	/	/	<=38.45	Pass
		Outer_Full	23.28	/	/	23.25	/	/	<=38.45	Pass
		Inner_Full	23.29	/	/	23.26	/	/	<=38.45	Pass
		Inner_1RB_Left	23.53	/	/	23.50	/	/	<=38.45	Pass
		Inner_1RB_Right	23.12	/	/	23.09	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	829	Edge_1RB_Left	23.43	/	/	23.40	/	/	<=38.45	Pass
		Edge_1RB_Right	23.33	/	/	23.30	/	/	<=38.45	Pass
		Outer_Full	23.51	/	/	23.48	/	/	<=38.45	Pass
		Inner_Full	23.46	/	/	23.43	/	/	<=38.45	Pass
		Inner_1RB_Left	23.36	/	/	23.33	/	/	<=38.45	Pass
		Inner_1RB_Right	23.44	/	/	23.41	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.49	/	/	23.46	/	/	<=38.45	Pass
		Edge_1RB_Right	23.50	/	/	23.47	/	/	<=38.45	Pass
		Outer_Full	23.50	/	/	23.47	/	/	<=38.45	Pass
		Inner_Full	23.52	/	/	23.49	/	/	<=38.45	Pass
		Inner_1RB_Left	23.46	/	/	23.43	/	/	<=38.45	Pass
		Inner_1RB_Right	23.65	/	/	23.62	/	/	<=38.45	Pass
	844	Edge_1RB_Left	23.46	/	/	23.43	/	/	<=38.45	Pass
		Edge_1RB_Right	23.04	/	/	23.01	/	/	<=38.45	Pass
		Outer_Full	23.33	/	/	23.30	/	/	<=38.45	Pass
		Inner_Full	23.34	/	/	23.31	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	23.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.05	/	/	23.02	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge_1RB_Left	22.46	/	/	22.43	/	/	<=38.45	Pass
		Edge_1RB_Right	22.37	/	/	22.34	/	/	<=38.45	Pass
		Outer_Full	22.47	/	/	22.44	/	/	<=38.45	Pass
		Inner_Full	23.50	/	/	23.47	/	/	<=38.45	Pass
		Inner_1RB_Left	22.98	/	/	22.95	/	/	<=38.45	Pass
		Inner_1RB_Right	23.38	/	/	23.35	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.41	/	/	22.38	/	/	<=38.45	Pass
		Edge_1RB_Right	22.39	/	/	22.36	/	/	<=38.45	Pass



		Outer_Full	22.55	/	/	22.52	/	/	<=38.45	Pass
		Inner_Full	23.58	/	/	23.55	/	/	<=38.45	Pass
		Inner_1RB_Left	23.59	/	/	23.56	/	/	<=38.45	Pass
		Inner_1RB_Right	23.45	/	/	23.42	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.47	/	/	22.44	/	/	<=38.45	Pass
		Edge_1RB_Right	22.09	/	/	22.06	/	/	<=38.45	Pass
		Outer_Full	22.38	/	/	22.35	/	/	<=38.45	Pass
		Inner_Full	23.34	/	/	23.31	/	/	<=38.45	Pass
		Inner_1RB_Left	23.45	/	/	23.42	/	/	<=38.45	Pass
		Inner_1RB_Right	23.12	/	/	23.09	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge_1RB_Left	21.87	/	/	21.84	/	/	<=38.45	Pass
		Edge_1RB_Right	21.65	/	/	21.62	/	/	<=38.45	Pass
		Outer_Full	21.97	/	/	21.94	/	/	<=38.45	Pass
		Inner_Full	21.90	/	/	21.87	/	/	<=38.45	Pass
		Inner_1RB_Left	21.92	/	/	21.89	/	/	<=38.45	Pass
		Inner_1RB_Right	21.74	/	/	21.71	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.07	/	/	22.04	/	/	<=38.45	Pass
		Edge_1RB_Right	21.98	/	/	21.95	/	/	<=38.45	Pass
		Outer_Full	22.02	/	/	21.99	/	/	<=38.45	Pass
		Inner_Full	22.09	/	/	22.06	/	/	<=38.45	Pass
		Inner_1RB_Left	22.07	/	/	22.04	/	/	<=38.45	Pass
		Inner_1RB_Right	21.88	/	/	21.85	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.04	/	/	22.01	/	/	<=38.45	Pass
		Edge_1RB_Right	21.75	/	/	21.72	/	/	<=38.45	Pass
		Outer_Full	21.81	/	/	21.78	/	/	<=38.45	Pass
		Inner_Full	21.88	/	/	21.85	/	/	<=38.45	Pass
		Inner_1RB_Left	22.01	/	/	21.98	/	/	<=38.45	Pass
		Inner_1RB_Right	21.63	/	/	21.60	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge_1RB_Left	19.93	/	/	19.90	/	/	<=38.45	Pass
		Edge_1RB_Right	19.95	/	/	19.92	/	/	<=38.45	Pass
		Outer_Full	19.98	/	/	19.95	/	/	<=38.45	Pass
		Inner_Full	19.97	/	/	19.94	/	/	<=38.45	Pass
		Inner_1RB_Left	20.09	/	/	20.06	/	/	<=38.45	Pass
		Inner_1RB_Right	19.81	/	/	19.78	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.81	/	/	19.78	/	/	<=38.45	Pass
		Edge_1RB_Right	20.00	/	/	19.97	/	/	<=38.45	Pass
		Outer_Full	20.04	/	/	20.01	/	/	<=38.45	Pass



		Inner_Full	20.05	/	/	20.02	/	/	<=38.45	Pass
		Inner_1RB_Left	20.05	/	/	20.02	/	/	<=38.45	Pass
		Inner_1RB_Right	20.21	/	/	20.18	/	/	<=38.45	Pass
	844	Edge_1RB_Left	20.06	/	/	20.03	/	/	<=38.45	Pass
		Edge_1RB_Right	19.63	/	/	19.60	/	/	<=38.45	Pass
		Outer_Full	19.81	/	/	19.78	/	/	<=38.45	Pass
		Inner_Full	19.88	/	/	19.85	/	/	<=38.45	Pass
		Inner_1RB_Left	19.94	/	/	19.91	/	/	<=38.45	Pass
		Inner_1RB_Right	19.72	/	/	19.69	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge_1RB_Left	21.35	/	/	21.32	/	/	<=38.45	Pass
		Edge_1RB_Right	21.38	/	/	21.35	/	/	<=38.45	Pass
		Outer_Full	21.52	/	/	21.49	/	/	<=38.45	Pass
		Inner_Full	22.99	/	/	22.96	/	/	<=38.45	Pass
		Inner_1RB_Left	22.90	/	/	22.87	/	/	<=38.45	Pass
		Inner_1RB_Right	22.80	/	/	22.77	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.28	/	/	21.25	/	/	<=38.45	Pass
		Edge_1RB_Right	21.57	/	/	21.54	/	/	<=38.45	Pass
		Outer_Full	21.51	/	/	21.48	/	/	<=38.45	Pass
		Inner_Full	23.10	/	/	23.07	/	/	<=38.45	Pass
		Inner_1RB_Left	22.90	/	/	22.87	/	/	<=38.45	Pass
		Inner_1RB_Right	22.92	/	/	22.89	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.54	/	/	21.51	/	/	<=38.45	Pass
		Edge_1RB_Right	21.07	/	/	21.04	/	/	<=38.45	Pass
		Outer_Full	21.34	/	/	21.31	/	/	<=38.45	Pass
		Inner_Full	22.79	/	/	22.76	/	/	<=38.45	Pass
		Inner_1RB_Left	22.91	/	/	22.88	/	/	<=38.45	Pass
		Inner_1RB_Right	22.43	/	/	22.40	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Edge_1RB_Left	21.44	/	/	21.41	/	/	<=38.45	Pass
		Edge_1RB_Right	21.95	/	/	21.92	/	/	<=38.45	Pass
		Outer_Full	21.42	/	/	21.39	/	/	<=38.45	Pass
		Inner_Full	22.47	/	/	22.44	/	/	<=38.45	Pass
		Inner_1RB_Left	22.51	/	/	22.48	/	/	<=38.45	Pass
		Inner_1RB_Right	22.16	/	/	22.13	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.42	/	/	21.39	/	/	<=38.45	Pass
		Edge_1RB_Right	21.42	/	/	21.39	/	/	<=38.45	Pass
		Outer_Full	21.56	/	/	21.53	/	/	<=38.45	Pass
		Inner_Full	22.61	/	/	22.58	/	/	<=38.45	Pass



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		Inner_1RB_Left	22.03	/	/	22.00	/	/	<=38.45	Pass
		Inner_1RB_Right	22.25	/	/	22.22	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.24	/	/	21.21	/	/	<=38.45	Pass
		Edge_1RB_Right	21.26	/	/	21.23	/	/	<=38.45	Pass
		Outer_Full	21.21	/	/	21.18	/	/	<=38.45	Pass
		Inner_Full	22.33	/	/	22.30	/	/	<=38.45	Pass
		Inner_1RB_Left	22.55	/	/	22.52	/	/	<=38.45	Pass
		Inner_1RB_Right	22.08	/	/	22.05	/	/	<=38.45	Pass
CP-OFDM 64 QAM	829	Edge_1RB_Left	20.80	/	/	20.77	/	/	<=38.45	Pass
		Edge_1RB_Right	21.01	/	/	20.98	/	/	<=38.45	Pass
		Outer_Full	21.03	/	/	21.00	/	/	<=38.45	Pass
		Inner_Full	20.98	/	/	20.95	/	/	<=38.45	Pass
		Inner_1RB_Left	20.91	/	/	20.88	/	/	<=38.45	Pass
		Inner_1RB_Right	21.04	/	/	21.01	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.17	/	/	21.14	/	/	<=38.45	Pass
		Edge_1RB_Right	20.96	/	/	20.93	/	/	<=38.45	Pass
		Outer_Full	21.09	/	/	21.06	/	/	<=38.45	Pass
		Inner_Full	21.12	/	/	21.09	/	/	<=38.45	Pass
		Inner_1RB_Left	20.67	/	/	20.64	/	/	<=38.45	Pass
		Inner_1RB_Right	21.12	/	/	21.09	/	/	<=38.45	Pass
	844	Edge_1RB_Left	20.94	/	/	20.91	/	/	<=38.45	Pass
		Edge_1RB_Right	20.66	/	/	20.63	/	/	<=38.45	Pass
		Outer_Full	20.79	/	/	20.76	/	/	<=38.45	Pass
		Inner_Full	20.78	/	/	20.75	/	/	<=38.45	Pass
		Inner_1RB_Left	21.06	/	/	21.03	/	/	<=38.45	Pass
		Inner_1RB_Right	20.59	/	/	20.56	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Edge_1RB_Left	18.12	/	/	18.09	/	/	<=38.45	Pass
		Edge_1RB_Right	17.77	/	/	17.74	/	/	<=38.45	Pass
		Outer_Full	17.97	/	/	17.94	/	/	<=38.45	Pass
		Inner_Full	18.04	/	/	18.01	/	/	<=38.45	Pass
		Inner_1RB_Left	18.10	/	/	18.07	/	/	<=38.45	Pass
		Inner_1RB_Right	17.77	/	/	17.74	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.89	/	/	17.86	/	/	<=38.45	Pass
		Edge_1RB_Right	18.04	/	/	18.01	/	/	<=38.45	Pass
		Outer_Full	18.07	/	/	18.04	/	/	<=38.45	Pass
		Inner_Full	18.14	/	/	18.11	/	/	<=38.45	Pass
		Inner_1RB_Left	17.84	/	/	17.81	/	/	<=38.45	Pass



	Inner_1RB_Right	18.10	/	/	18.07	/	/	<=38.45	Pass
844	Edge_1RB_Left	18.08	/	/	18.05	/	/	<=38.45	Pass
	Edge_1RB_Right	17.67	/	/	17.64	/	/	<=38.45	Pass
	Outer_Full	17.81	/	/	17.78	/	/	<=38.45	Pass
	Inner_Full	17.85	/	/	17.82	/	/	<=38.45	Pass
	Inner_1RB_Left	17.97	/	/	17.94	/	/	<=38.45	Pass
	Inner_1RB_Right	17.79	/	/	17.76	/	/	<=38.45	Pass

Note1: Antenna Gain: Ant1: 2.12dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 15k_SISO_15MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	831.5	Edge_1RB_Left	23.45	/	/	23.42	/	/	<=38.45	Pass
		Edge_1RB_Right	23.57	/	/	23.54	/	/	<=38.45	Pass
		Outer_Full	23.49	/	/	23.46	/	/	<=38.45	Pass
		Inner_Full	23.52	/	/	23.49	/	/	<=38.45	Pass
		Inner_1RB_Left	23.47	/	/	23.44	/	/	<=38.45	Pass
		Inner_1RB_Right	23.58	/	/	23.55	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.52	/	/	23.49	/	/	<=38.45	Pass
		Edge_1RB_Right	23.49	/	/	23.46	/	/	<=38.45	Pass
		Outer_Full	23.58	/	/	23.55	/	/	<=38.45	Pass
		Inner_Full	23.80	/	/	23.77	/	/	<=38.45	Pass
		Inner_1RB_Left	23.51	/	/	23.48	/	/	<=38.45	Pass
		Inner_1RB_Right	23.51	/	/	23.48	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.54	/	/	23.51	/	/	<=38.45	Pass
		Edge_1RB_Right	23.19	/	/	23.16	/	/	<=38.45	Pass
		Outer_Full	23.62	/	/	23.59	/	/	<=38.45	Pass
		Inner_Full	23.69	/	/	23.66	/	/	<=38.45	Pass
		Inner_1RB_Left	23.57	/	/	23.54	/	/	<=38.45	Pass
		Inner_1RB_Right	23.23	/	/	23.20	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	831.5	Edge_1RB_Left	23.33	/	/	23.30	/	/	<=38.45	Pass
		Edge_1RB_Right	23.59	/	/	23.56	/	/	<=38.45	Pass
		Outer_Full	23.51	/	/	23.48	/	/	<=38.45	Pass
		Inner_Full	23.49	/	/	23.46	/	/	<=38.45	Pass
		Inner_1RB_Left	23.44	/	/	23.41	/	/	<=38.45	Pass



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	836.5	Inner_1RB_Right	23.52	/	/	23.49	/	/	<=38.45	Pass
		Edge_1RB_Left	23.49	/	/	23.46	/	/	<=38.45	Pass
		Edge_1RB_Right	23.52	/	/	23.49	/	/	<=38.45	Pass
		Outer_Full	23.65	/	/	23.62	/	/	<=38.45	Pass
		Inner_Full	23.74	/	/	23.71	/	/	<=38.45	Pass
		Inner_1RB_Left	23.45	/	/	23.42	/	/	<=38.45	Pass
		Inner_1RB_Right	23.45	/	/	23.42	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.46	/	/	23.43	/	/	<=38.45	Pass
		Edge_1RB_Right	23.27	/	/	23.24	/	/	<=38.45	Pass
		Outer_Full	23.68	/	/	23.65	/	/	<=38.45	Pass
		Inner_Full	23.69	/	/	23.66	/	/	<=38.45	Pass
		Inner_1RB_Left	23.68	/	/	23.65	/	/	<=38.45	Pass
		Inner_1RB_Right	23.10	/	/	23.07	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge_1RB_Left	22.59	/	/	22.56	/	/	<=38.45	Pass
		Edge_1RB_Right	22.66	/	/	22.63	/	/	<=38.45	Pass
		Outer_Full	22.55	/	/	22.52	/	/	<=38.45	Pass
		Inner_Full	23.54	/	/	23.51	/	/	<=38.45	Pass
		Inner_1RB_Left	23.20	/	/	23.17	/	/	<=38.45	Pass
		Inner_1RB_Right	23.71	/	/	23.68	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.32	/	/	22.29	/	/	<=38.45	Pass
		Edge_1RB_Right	22.44	/	/	22.41	/	/	<=38.45	Pass
		Outer_Full	22.60	/	/	22.57	/	/	<=38.45	Pass
		Inner_Full	23.75	/	/	23.72	/	/	<=38.45	Pass
		Inner_1RB_Left	23.41	/	/	23.38	/	/	<=38.45	Pass
		Inner_1RB_Right	23.40	/	/	23.37	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.37	/	/	22.34	/	/	<=38.45	Pass
		Edge_1RB_Right	22.11	/	/	22.08	/	/	<=38.45	Pass
		Outer_Full	22.57	/	/	22.54	/	/	<=38.45	Pass
		Inner_Full	23.59	/	/	23.56	/	/	<=38.45	Pass
		Inner_1RB_Left	23.69	/	/	23.66	/	/	<=38.45	Pass
		Inner_1RB_Right	23.01	/	/	22.98	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge_1RB_Left	21.84	/	/	21.81	/	/	<=38.45	Pass
		Edge_1RB_Right	22.10	/	/	22.07	/	/	<=38.45	Pass
		Outer_Full	22.08	/	/	22.05	/	/	<=38.45	Pass
		Inner_Full	21.97	/	/	21.94	/	/	<=38.45	Pass
		Inner_1RB_Left	21.74	/	/	21.71	/	/	<=38.45	Pass
		Inner_1RB_Right	22.07	/	/	22.04	/	/	<=38.45	Pass



	836.5	Edge_1RB_Left	21.99	/	/	21.96	/	/	<=38.45	Pass
		Edge_1RB_Right	22.10	/	/	22.07	/	/	<=38.45	Pass
		Outer_Full	22.16	/	/	22.13	/	/	<=38.45	Pass
		Inner_Full	22.12	/	/	22.09	/	/	<=38.45	Pass
		Inner_1RB_Left	22.13	/	/	22.10	/	/	<=38.45	Pass
		Inner_1RB_Right	22.02	/	/	21.99	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.98	/	/	21.95	/	/	<=38.45	Pass
		Edge_1RB_Right	21.75	/	/	21.72	/	/	<=38.45	Pass
		Outer_Full	22.07	/	/	22.04	/	/	<=38.45	Pass
		Inner_Full	22.12	/	/	22.09	/	/	<=38.45	Pass
		Inner_1RB_Left	22.04	/	/	22.01	/	/	<=38.45	Pass
		Inner_1RB_Right	21.76	/	/	21.73	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Edge_1RB_Left	20.16	/	/	20.13	/	/	<=38.45	Pass
		Edge_1RB_Right	19.99	/	/	19.96	/	/	<=38.45	Pass
		Outer_Full	20.05	/	/	20.02	/	/	<=38.45	Pass
		Inner_Full	19.99	/	/	19.96	/	/	<=38.45	Pass
		Inner_1RB_Left	20.12	/	/	20.09	/	/	<=38.45	Pass
		Inner_1RB_Right	20.26	/	/	20.23	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.13	/	/	20.10	/	/	<=38.45	Pass
		Edge_1RB_Right	19.98	/	/	19.95	/	/	<=38.45	Pass
		Outer_Full	20.11	/	/	20.08	/	/	<=38.45	Pass
		Inner_Full	20.26	/	/	20.23	/	/	<=38.45	Pass
		Inner_1RB_Left	20.19	/	/	20.16	/	/	<=38.45	Pass
		Inner_1RB_Right	19.89	/	/	19.86	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	20.10	/	/	20.07	/	/	<=38.45	Pass
		Edge_1RB_Right	19.75	/	/	19.72	/	/	<=38.45	Pass
		Outer_Full	20.09	/	/	20.06	/	/	<=38.45	Pass
		Inner_Full	20.08	/	/	20.05	/	/	<=38.45	Pass
		Inner_1RB_Left	20.03	/	/	20.00	/	/	<=38.45	Pass
		Inner_1RB_Right	19.72	/	/	19.69	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Edge_1RB_Left	21.51	/	/	21.48	/	/	<=38.45	Pass
		Edge_1RB_Right	21.91	/	/	21.88	/	/	<=38.45	Pass
		Outer_Full	21.48	/	/	21.45	/	/	<=38.45	Pass
		Inner_Full	22.99	/	/	22.96	/	/	<=38.45	Pass
		Inner_1RB_Left	22.82	/	/	22.79	/	/	<=38.45	Pass
		Inner_1RB_Right	22.87	/	/	22.84	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.59	/	/	21.56	/	/	<=38.45	Pass



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		Edge_1RB_Right	21.55	/	/	21.52	/	/	<=38.45	Pass
		Outer_Full	21.62	/	/	21.59	/	/	<=38.45	Pass
		Inner_Full	23.27	/	/	23.24	/	/	<=38.45	Pass
		Inner_1RB_Left	22.94	/	/	22.91	/	/	<=38.45	Pass
		Inner_1RB_Right	22.96	/	/	22.93	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.47	/	/	21.44	/	/	<=38.45	Pass
		Edge_1RB_Right	21.20	/	/	21.17	/	/	<=38.45	Pass
		Outer_Full	21.48	/	/	21.45	/	/	<=38.45	Pass
		Inner_Full	23.06	/	/	23.03	/	/	<=38.45	Pass
		Inner_1RB_Left	23.01	/	/	22.98	/	/	<=38.45	Pass
		Inner_1RB_Right	22.61	/	/	22.58	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Edge_1RB_Left	21.22	/	/	21.19	/	/	<=38.45	Pass
		Edge_1RB_Right	21.33	/	/	21.30	/	/	<=38.45	Pass
		Outer_Full	21.46	/	/	21.43	/	/	<=38.45	Pass
		Inner_Full	22.44	/	/	22.41	/	/	<=38.45	Pass
		Inner_1RB_Left	22.17	/	/	22.14	/	/	<=38.45	Pass
		Inner_1RB_Right	22.43	/	/	22.40	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.59	/	/	21.56	/	/	<=38.45	Pass
		Edge_1RB_Right	21.49	/	/	21.46	/	/	<=38.45	Pass
		Outer_Full	21.76	/	/	21.73	/	/	<=38.45	Pass
		Inner_Full	22.74	/	/	22.71	/	/	<=38.45	Pass
		Inner_1RB_Left	22.64	/	/	22.61	/	/	<=38.45	Pass
		Inner_1RB_Right	22.76	/	/	22.73	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.62	/	/	21.59	/	/	<=38.45	Pass
		Edge_1RB_Right	21.06	/	/	21.03	/	/	<=38.45	Pass
		Outer_Full	21.57	/	/	21.54	/	/	<=38.45	Pass
		Inner_Full	22.59	/	/	22.56	/	/	<=38.45	Pass
		Inner_1RB_Left	22.43	/	/	22.40	/	/	<=38.45	Pass
		Inner_1RB_Right	22.27	/	/	22.24	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	21.06	/	/	21.03	/	/	<=38.45	Pass
		Edge_1RB_Right	21.60	/	/	21.57	/	/	<=38.45	Pass
		Outer_Full	21.02	/	/	20.99	/	/	<=38.45	Pass
		Inner_Full	21.05	/	/	21.02	/	/	<=38.45	Pass
		Inner_1RB_Left	20.84	/	/	20.81	/	/	<=38.45	Pass
		Inner_1RB_Right	21.12	/	/	21.09	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.32	/	/	21.29	/	/	<=38.45	Pass
		Edge_1RB_Right	21.03	/	/	21.00	/	/	<=38.45	Pass



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		Outer_Full	21.22	/	/	21.19	/	/	<=38.45	Pass	
		Inner_Full	21.26	/	/	21.23	/	/	<=38.45	Pass	
		Inner_1RB_Left	21.12	/	/	21.09	/	/	<=38.45	Pass	
		Inner_1RB_Right	21.24	/	/	21.21	/	/	<=38.45	Pass	
	841.5	Edge_1RB_Left	21.38	/	/	21.35	/	/	<=38.45	Pass	
		Edge_1RB_Right	20.79	/	/	20.76	/	/	<=38.45	Pass	
		Outer_Full	21.16	/	/	21.13	/	/	<=38.45	Pass	
		Inner_Full	21.20	/	/	21.17	/	/	<=38.45	Pass	
		Inner_1RB_Left	21.08	/	/	21.05	/	/	<=38.45	Pass	
		Inner_1RB_Right	20.64	/	/	20.61	/	/	<=38.45	Pass	
	CP-OFDM 256 QAM	831.5	Edge_1RB_Left	18.05	/	/	18.02	/	/	<=38.45	Pass
			Edge_1RB_Right	18.33	/	/	18.30	/	/	<=38.45	Pass
Outer_Full			17.99	/	/	17.96	/	/	<=38.45	Pass	
Inner_Full			17.97	/	/	17.94	/	/	<=38.45	Pass	
Inner_1RB_Left			18.05	/	/	18.02	/	/	<=38.45	Pass	
Inner_1RB_Right			18.30	/	/	18.27	/	/	<=38.45	Pass	
836.5		Edge_1RB_Left	18.26	/	/	18.23	/	/	<=38.45	Pass	
		Edge_1RB_Right	17.92	/	/	17.89	/	/	<=38.45	Pass	
		Outer_Full	18.18	/	/	18.15	/	/	<=38.45	Pass	
		Inner_Full	18.11	/	/	18.08	/	/	<=38.45	Pass	
		Inner_1RB_Left	18.00	/	/	17.97	/	/	<=38.45	Pass	
		Inner_1RB_Right	18.01	/	/	17.98	/	/	<=38.45	Pass	
841.5		Edge_1RB_Left	18.25	/	/	18.22	/	/	<=38.45	Pass	
		Edge_1RB_Right	17.43	/	/	17.40	/	/	<=38.45	Pass	
		Outer_Full	18.12	/	/	18.09	/	/	<=38.45	Pass	
		Inner_Full	18.12	/	/	18.09	/	/	<=38.45	Pass	
		Inner_1RB_Left	18.19	/	/	18.16	/	/	<=38.45	Pass	
		Inner_1RB_Right	17.72	/	/	17.69	/	/	<=38.45	Pass	
Note1: Antenna Gain: Ant1: 2.12dBi;											
Note2: ERP=Conducted Power+Antenna Gain-2.15											

1.1.4 15k_SISO_20MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB	Conducted Power(dBm)			ERP(dBm)				Verdict
		Allocation	Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Edge_1RB_Left	23.41	/	/	23.38	/	/	<=38.45	Pass
		Edge_1RB_Right	23.45	/	/	23.42	/	/	<=38.45	Pass



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		Outer_Full	23.55	/	/	23.52	/	/	<=38.45	Pass
		Inner_Full	23.54	/	/	23.51	/	/	<=38.45	Pass
		Inner_1RB_Left	23.41	/	/	23.38	/	/	<=38.45	Pass
		Inner_1RB_Right	23.45	/	/	23.42	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.42	/	/	23.39	/	/	<=38.45	Pass
		Edge_1RB_Right	23.28	/	/	23.25	/	/	<=38.45	Pass
		Outer_Full	23.67	/	/	23.64	/	/	<=38.45	Pass
		Inner_Full	23.70	/	/	23.67	/	/	<=38.45	Pass
		Inner_1RB_Left	23.41	/	/	23.38	/	/	<=38.45	Pass
		Inner_1RB_Right	23.33	/	/	23.30	/	/	<=38.45	Pass
	839	Edge_1RB_Left	23.47	/	/	23.44	/	/	<=38.45	Pass
		Edge_1RB_Right	23.16	/	/	23.13	/	/	<=38.45	Pass
		Outer_Full	23.58	/	/	23.55	/	/	<=38.45	Pass
		Inner_Full	23.71	/	/	23.68	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	23.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.20	/	/	23.17	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	834	Edge_1RB_Left	23.40	/	/	23.37	/	/	<=38.45	Pass
		Edge_1RB_Right	23.43	/	/	23.40	/	/	<=38.45	Pass
		Outer_Full	23.58	/	/	23.55	/	/	<=38.45	Pass
		Inner_Full	23.58	/	/	23.55	/	/	<=38.45	Pass
		Inner_1RB_Left	23.29	/	/	23.26	/	/	<=38.45	Pass
		Inner_1RB_Right	23.43	/	/	23.40	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.41	/	/	23.38	/	/	<=38.45	Pass
		Edge_1RB_Right	23.38	/	/	23.35	/	/	<=38.45	Pass
		Outer_Full	23.62	/	/	23.59	/	/	<=38.45	Pass
		Inner_Full	23.74	/	/	23.71	/	/	<=38.45	Pass
		Inner_1RB_Left	23.47	/	/	23.44	/	/	<=38.45	Pass
		Inner_1RB_Right	23.49	/	/	23.46	/	/	<=38.45	Pass
	839	Edge_1RB_Left	23.52	/	/	23.49	/	/	<=38.45	Pass
		Edge_1RB_Right	23.21	/	/	23.18	/	/	<=38.45	Pass
		Outer_Full	23.66	/	/	23.63	/	/	<=38.45	Pass
		Inner_Full	23.73	/	/	23.70	/	/	<=38.45	Pass
		Inner_1RB_Left	23.48	/	/	23.45	/	/	<=38.45	Pass
		Inner_1RB_Right	23.16	/	/	23.13	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge_1RB_Left	22.33	/	/	22.30	/	/	<=38.45	Pass
		Edge_1RB_Right	22.37	/	/	22.34	/	/	<=38.45	Pass
		Outer_Full	22.61	/	/	22.58	/	/	<=38.45	Pass



		Inner_Full	23.63	/	/	23.60	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	23.40	/	/	<=38.45	Pass
		Inner_1RB_Right	23.56	/	/	23.53	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.44	/	/	22.41	/	/	<=38.45	Pass
		Edge_1RB_Right	22.06	/	/	22.03	/	/	<=38.45	Pass
		Outer_Full	22.69	/	/	22.66	/	/	<=38.45	Pass
		Inner_Full	23.70	/	/	23.67	/	/	<=38.45	Pass
		Inner_1RB_Left	23.60	/	/	23.57	/	/	<=38.45	Pass
		Inner_1RB_Right	23.52	/	/	23.49	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.28	/	/	22.25	/	/	<=38.45	Pass
		Edge_1RB_Right	22.28	/	/	22.25	/	/	<=38.45	Pass
		Outer_Full	22.63	/	/	22.60	/	/	<=38.45	Pass
		Inner_Full	23.73	/	/	23.70	/	/	<=38.45	Pass
		Inner_1RB_Left	23.64	/	/	23.61	/	/	<=38.45	Pass
		Inner_1RB_Right	23.35	/	/	23.32	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Edge_1RB_Left	21.97	/	/	21.94	/	/	<=38.45	Pass
		Edge_1RB_Right	21.96	/	/	21.93	/	/	<=38.45	Pass
		Outer_Full	22.10	/	/	22.07	/	/	<=38.45	Pass
		Inner_Full	22.04	/	/	22.01	/	/	<=38.45	Pass
		Inner_1RB_Left	21.92	/	/	21.89	/	/	<=38.45	Pass
		Inner_1RB_Right	22.14	/	/	22.11	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.86	/	/	21.83	/	/	<=38.45	Pass
		Edge_1RB_Right	22.00	/	/	21.97	/	/	<=38.45	Pass
		Outer_Full	22.19	/	/	22.16	/	/	<=38.45	Pass
		Inner_Full	22.22	/	/	22.19	/	/	<=38.45	Pass
		Inner_1RB_Left	22.12	/	/	22.09	/	/	<=38.45	Pass
		Inner_1RB_Right	21.60	/	/	21.57	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.10	/	/	22.07	/	/	<=38.45	Pass
		Edge_1RB_Right	21.80	/	/	21.77	/	/	<=38.45	Pass
		Outer_Full	22.14	/	/	22.11	/	/	<=38.45	Pass
		Inner_Full	22.25	/	/	22.22	/	/	<=38.45	Pass
		Inner_1RB_Left	21.94	/	/	21.91	/	/	<=38.45	Pass
		Inner_1RB_Right	21.86	/	/	21.83	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge_1RB_Left	20.03	/	/	20.00	/	/	<=38.45	Pass
		Edge_1RB_Right	20.04	/	/	20.01	/	/	<=38.45	Pass
		Outer_Full	20.03	/	/	20.00	/	/	<=38.45	Pass
		Inner_Full	20.04	/	/	20.01	/	/	<=38.45	Pass



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		Inner_1RB_Left	20.18	/	/	20.15	/	/	<=38.45	Pass
		Inner_1RB_Right	20.06	/	/	20.03	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.05	/	/	20.02	/	/	<=38.45	Pass
		Edge_1RB_Right	20.08	/	/	20.05	/	/	<=38.45	Pass
		Outer_Full	20.08	/	/	20.05	/	/	<=38.45	Pass
		Inner_Full	20.15	/	/	20.12	/	/	<=38.45	Pass
		Inner_1RB_Left	20.21	/	/	20.18	/	/	<=38.45	Pass
		Inner_1RB_Right	20.05	/	/	20.02	/	/	<=38.45	Pass
	839	Edge_1RB_Left	19.91	/	/	19.88	/	/	<=38.45	Pass
		Edge_1RB_Right	19.93	/	/	19.90	/	/	<=38.45	Pass
		Outer_Full	20.12	/	/	20.09	/	/	<=38.45	Pass
		Inner_Full	20.16	/	/	20.13	/	/	<=38.45	Pass
		Inner_1RB_Left	19.94	/	/	19.91	/	/	<=38.45	Pass
		Inner_1RB_Right	20.09	/	/	20.06	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge_1RB_Left	21.44	/	/	21.41	/	/	<=38.45	Pass
		Edge_1RB_Right	21.57	/	/	21.54	/	/	<=38.45	Pass
		Outer_Full	21.58	/	/	21.55	/	/	<=38.45	Pass
		Inner_Full	23.10	/	/	23.07	/	/	<=38.45	Pass
		Inner_1RB_Left	22.80	/	/	22.77	/	/	<=38.45	Pass
		Inner_1RB_Right	22.82	/	/	22.79	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.40	/	/	21.37	/	/	<=38.45	Pass
		Edge_1RB_Right	21.29	/	/	21.26	/	/	<=38.45	Pass
		Outer_Full	21.62	/	/	21.59	/	/	<=38.45	Pass
		Inner_Full	23.14	/	/	23.11	/	/	<=38.45	Pass
		Inner_1RB_Left	22.86	/	/	22.83	/	/	<=38.45	Pass
		Inner_1RB_Right	22.72	/	/	22.69	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.56	/	/	21.53	/	/	<=38.45	Pass
		Edge_1RB_Right	21.33	/	/	21.30	/	/	<=38.45	Pass
		Outer_Full	21.65	/	/	21.62	/	/	<=38.45	Pass
		Inner_Full	23.15	/	/	23.12	/	/	<=38.45	Pass
		Inner_1RB_Left	22.96	/	/	22.93	/	/	<=38.45	Pass
		Inner_1RB_Right	22.58	/	/	22.55	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge_1RB_Left	21.11	/	/	21.08	/	/	<=38.45	Pass
		Edge_1RB_Right	21.46	/	/	21.43	/	/	<=38.45	Pass
		Outer_Full	21.60	/	/	21.57	/	/	<=38.45	Pass
		Inner_Full	22.60	/	/	22.57	/	/	<=38.45	Pass
		Inner_1RB_Left	22.24	/	/	22.21	/	/	<=38.45	Pass



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	836.5	Inner_1RB_Right	22.50	/	/	22.47	/	/	<=38.45	Pass
		Edge_1RB_Left	21.29	/	/	21.26	/	/	<=38.45	Pass
		Edge_1RB_Right	21.06	/	/	21.03	/	/	<=38.45	Pass
		Outer_Full	21.62	/	/	21.59	/	/	<=38.45	Pass
		Inner_Full	22.69	/	/	22.66	/	/	<=38.45	Pass
		Inner_1RB_Left	22.30	/	/	22.27	/	/	<=38.45	Pass
		Inner_1RB_Right	22.55	/	/	22.52	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.53	/	/	21.50	/	/	<=38.45	Pass
		Edge_1RB_Right	21.24	/	/	21.21	/	/	<=38.45	Pass
		Outer_Full	21.63	/	/	21.60	/	/	<=38.45	Pass
		Inner_Full	22.71	/	/	22.68	/	/	<=38.45	Pass
		Inner_1RB_Left	22.54	/	/	22.51	/	/	<=38.45	Pass
		Inner_1RB_Right	21.92	/	/	21.89	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge_1RB_Left	20.96	/	/	20.93	/	/	<=38.45	Pass
		Edge_1RB_Right	21.17	/	/	21.14	/	/	<=38.45	Pass
		Outer_Full	21.08	/	/	21.05	/	/	<=38.45	Pass
		Inner_Full	21.16	/	/	21.13	/	/	<=38.45	Pass
		Inner_1RB_Left	20.77	/	/	20.74	/	/	<=38.45	Pass
		Inner_1RB_Right	21.20	/	/	21.17	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.82	/	/	20.79	/	/	<=38.45	Pass
		Edge_1RB_Right	20.88	/	/	20.85	/	/	<=38.45	Pass
		Outer_Full	21.08	/	/	21.05	/	/	<=38.45	Pass
		Inner_Full	21.16	/	/	21.13	/	/	<=38.45	Pass
		Inner_1RB_Left	20.92	/	/	20.89	/	/	<=38.45	Pass
		Inner_1RB_Right	20.99	/	/	20.96	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.18	/	/	21.15	/	/	<=38.45	Pass
		Edge_1RB_Right	20.86	/	/	20.83	/	/	<=38.45	Pass
		Outer_Full	21.09	/	/	21.06	/	/	<=38.45	Pass
		Inner_Full	21.18	/	/	21.15	/	/	<=38.45	Pass
		Inner_1RB_Left	20.90	/	/	20.87	/	/	<=38.45	Pass
		Inner_1RB_Right	20.76	/	/	20.73	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Edge_1RB_Left	17.92	/	/	17.89	/	/	<=38.45	Pass
		Edge_1RB_Right	18.06	/	/	18.03	/	/	<=38.45	Pass
		Outer_Full	18.05	/	/	18.02	/	/	<=38.45	Pass
		Inner_Full	18.05	/	/	18.02	/	/	<=38.45	Pass
		Inner_1RB_Left	17.88	/	/	17.85	/	/	<=38.45	Pass
		Inner_1RB_Right	18.07	/	/	18.04	/	/	<=38.45	Pass



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	836.5	Edge_1RB_Left	18.27	/	/	18.24	/	/	<=38.45	Pass
		Edge_1RB_Right	18.28	/	/	18.25	/	/	<=38.45	Pass
		Outer_Full	18.11	/	/	18.08	/	/	<=38.45	Pass
		Inner_Full	18.15	/	/	18.12	/	/	<=38.45	Pass
		Inner_1RB_Left	18.07	/	/	18.04	/	/	<=38.45	Pass
		Inner_1RB_Right	17.85	/	/	17.82	/	/	<=38.45	Pass
	839	Edge_1RB_Left	17.89	/	/	17.86	/	/	<=38.45	Pass
		Edge_1RB_Right	17.87	/	/	17.84	/	/	<=38.45	Pass
		Outer_Full	18.13	/	/	18.10	/	/	<=38.45	Pass
		Inner_Full	18.16	/	/	18.13	/	/	<=38.45	Pass
		Inner_1RB_Left	18.15	/	/	18.12	/	/	<=38.45	Pass
		Inner_1RB_Right	17.77	/	/	17.74	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: 2.12dBi;										
Note2: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_20MHz

5G NR n5 SCS=15kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	836.5	Outer_Full	20	LV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	24.50	0.0293	>=-2.5 & <=2.5	Pass
			30	NV	6.00	0.0072	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0053	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-10.50	-0.0126	>=-2.5 & <=2.5	Pass
				HV	41.70	0.0499	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0060	>=-2.5 & <=2.5	Pass
			10	NV	-10.10	-0.0121	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			30	NV	38.70	0.0463	>=-2.5 & <=2.5	Pass



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			40	NV	15.10	0.0181	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-7.50	-0.0090	≥ -2.5 & ≤ 2.5	Pass
				HV	-11.40	-0.0136	≥ -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	29.50	0.0353	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.40	0.0088	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	25.40	0.0304	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.60	-0.0091	≥ -2.5 & ≤ 2.5	Pass
			10	NV	20.70	0.0247	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.00	0.0048	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.30	0.0075	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-10.30	-0.0123	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	0.60	0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	3.50	0.0042	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.00	0.0060	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.70	0.0080	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.60	0.0043	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.20	-0.0050	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-3.80	-0.0045	≥ -2.5 & ≤ 2.5	Pass
				HV	4.00	0.0048	≥ -2.5 & ≤ 2.5	Pass
			0	NV	11.10	0.0133	≥ -2.5 & ≤ 2.5	Pass
			10	NV	9.00	0.0108	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.20	-0.0074	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-49.60	-0.0593	≥ -2.5 & ≤ 2.5	Pass
			40	NV	29.40	0.0351	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-11.70	-0.0140	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.60	-0.0127	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.10	-0.0097	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.50	0.0042	≥ -2.5 & ≤ 2.5	Pass
			20	NV	6.90	0.0082	≥ -2.5 & ≤ 2.5	Pass
			30	NV	30.90	0.0369	≥ -2.5 & ≤ 2.5	Pass
			40	NV	18.70	0.0224	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-2.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass



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				HV	6.20	0.0074	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.50	-0.0078	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.40	-0.0088	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.80	-0.0105	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.00	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			40	NV	21.30	0.0255	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-4.40	-0.0053	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.30	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.40	-0.0077	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.40	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.00	-0.0072	≥ -2.5 & ≤ 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	826.5	Outer_Full	4.57	5.29	/	Pass
	836.5	Outer_Full	4.57	5.30	/	Pass
	846.5	Outer_Full	4.57	5.28	/	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	4.57	5.38	/	Pass
	836.5	Outer_Full	4.57	5.45	/	Pass
	846.5	Outer_Full	4.58	5.39	/	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	4.56	5.33	/	Pass
	836.5	Outer_Full	4.56	5.30	/	Pass
	846.5	Outer_Full	4.57	5.25	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.58	5.36	/	Pass
	836.5	Outer_Full	4.58	5.22	/	Pass
	846.5	Outer_Full	4.57	5.38	/	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	4.57	5.41	/	Pass
	836.5	Outer_Full	4.58	5.28	/	Pass



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	846.5	Outer_Full	4.58	5.34	/	Pass
CP-OFDM QPSK	826.5	Outer_Full	4.56	5.28	/	Pass
	836.5	Outer_Full	4.53	5.19	/	Pass
	846.5	Outer_Full	4.57	5.39	/	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	4.55	5.46	/	Pass
	836.5	Outer_Full	4.55	5.37	/	Pass
	846.5	Outer_Full	4.59	5.37	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.56	5.25	/	Pass
	836.5	Outer_Full	4.56	5.36	/	Pass
	846.5	Outer_Full	4.56	5.31	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.56	5.26	/	Pass
	836.5	Outer_Full	2.17	2.47	/	Pass
	846.5	Outer_Full	4.56	5.39	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	829	Outer_Full	9.07	9.95	/	Pass
	836.5	Outer_Full	9.01	10.00	/	Pass
	844	Outer_Full	9.10	9.90	/	Pass
DFT-s-OFDM QPSK	829	Outer_Full	9.05	10.11	/	Pass
	836.5	Outer_Full	9.04	9.98	/	Pass
	844	Outer_Full	9.06	9.99	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.08	10.06	/	Pass
	836.5	Outer_Full	9.06	9.97	/	Pass
	844	Outer_Full	9.06	10.01	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	9.05	10.02	/	Pass
	836.5	Outer_Full	9.09	10.05	/	Pass
	844	Outer_Full	9.05	10.12	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.04	10.05	/	Pass
	836.5	Outer_Full	9.05	10.09	/	Pass
	844	Outer_Full	9.07	10.15	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.39	10.39	/	Pass
	836.5	Outer_Full	9.38	10.42	/	Pass
	844	Outer_Full	9.39	10.34	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	9.38	10.40	/	Pass



CP-OFDM 64 QAM	836.5	Outer_Full	9.37	10.39	/	Pass
	844	Outer_Full	9.41	10.39	/	Pass
	829	Outer_Full	9.40	10.40	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	9.39	10.44	/	Pass
	844	Outer_Full	9.40	10.35	/	Pass
	829	Outer_Full	9.41	10.38	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	9.37	10.43	/	Pass
	844	Outer_Full	9.39	10.38	/	Pass
	829	Outer_Full	9.41	10.38	/	Pass

3.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	831.5	Outer_Full	13.60	14.83	/	Pass
	836.5	Outer_Full	13.60	14.81	/	Pass
	841.5	Outer_Full	13.57	14.76	/	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	13.56	14.90	/	Pass
	836.5	Outer_Full	13.59	14.81	/	Pass
	841.5	Outer_Full	13.56	14.90	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.59	14.79	/	Pass
	836.5	Outer_Full	13.56	14.82	/	Pass
	841.5	Outer_Full	13.57	14.75	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.61	14.78	/	Pass
	836.5	Outer_Full	13.55	14.95	/	Pass
	841.5	Outer_Full	13.56	14.84	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.56	14.79	/	Pass
	836.5	Outer_Full	13.59	14.74	/	Pass
	841.5	Outer_Full	13.60	14.87	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	14.26	15.49	/	Pass
	836.5	Outer_Full	14.25	15.51	/	Pass
	841.5	Outer_Full	14.25	15.55	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.27	15.47	/	Pass
	836.5	Outer_Full	14.24	15.58	/	Pass
	841.5	Outer_Full	14.25	15.48	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.28	15.52	/	Pass
	836.5	Outer_Full	14.26	15.47	/	Pass
	841.5	Outer_Full	14.26	15.46	/	Pass



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CP-OFDM 256 QAM	831.5	Outer_Full	14.26	15.42	/	Pass
	836.5	Outer_Full	14.21	15.59	/	Pass
	841.5	Outer_Full	14.24	15.41	/	Pass

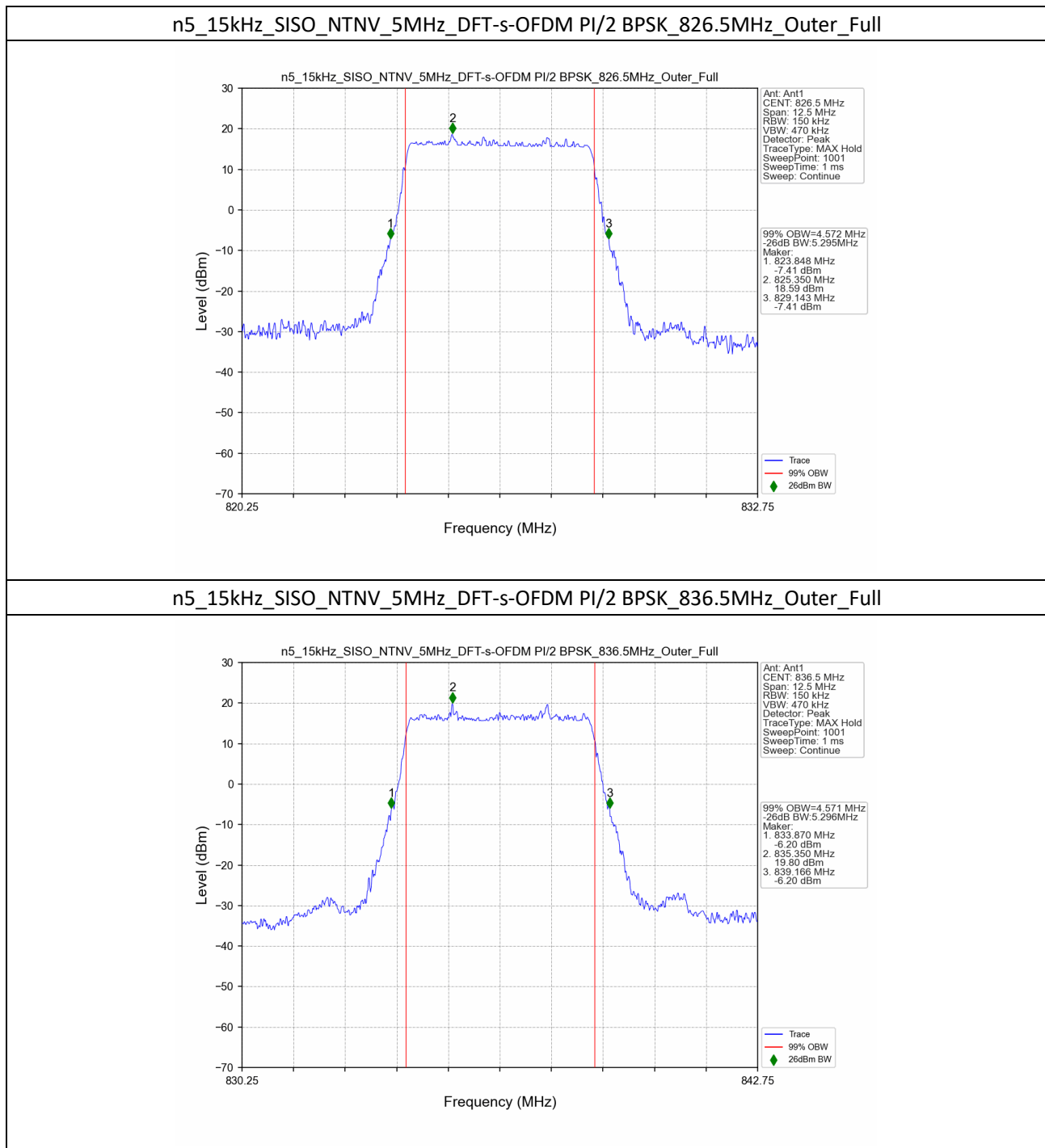
3.1.4 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	18.08	19.49	/	Pass
	836.5	Outer_Full	18.08	19.62	/	Pass
	839	Outer_Full	18.01	19.39	/	Pass
DFT-s-OFDM QPSK	834	Outer_Full	18.10	19.55	/	Pass
	836.5	Outer_Full	18.05	19.61	/	Pass
	839	Outer_Full	18.05	19.58	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.07	19.55	/	Pass
	836.5	Outer_Full	18.03	19.48	/	Pass
	839	Outer_Full	18.01	19.39	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.04	19.48	/	Pass
	836.5	Outer_Full	18.03	19.44	/	Pass
	839	Outer_Full	18.02	19.47	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.02	19.58	/	Pass
	836.5	Outer_Full	18.06	19.56	/	Pass
	839	Outer_Full	18.00	19.59	/	Pass
CP-OFDM QPSK	834	Outer_Full	19.07	20.89	/	Pass
	836.5	Outer_Full	19.07	20.73	/	Pass
	839	Outer_Full	19.03	20.67	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	19.11	20.58	/	Pass
	836.5	Outer_Full	19.06	20.48	/	Pass
	839	Outer_Full	19.09	20.57	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	19.09	20.54	/	Pass
	836.5	Outer_Full	19.05	20.82	/	Pass
	839	Outer_Full	19.06	20.66	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	19.08	20.56	/	Pass
	836.5	Outer_Full	19.11	20.52	/	Pass
	839	Outer_Full	19.05	20.59	/	Pass



3.2 Test Graph

3.2.1 15k_SISO_5MHz_NTNV



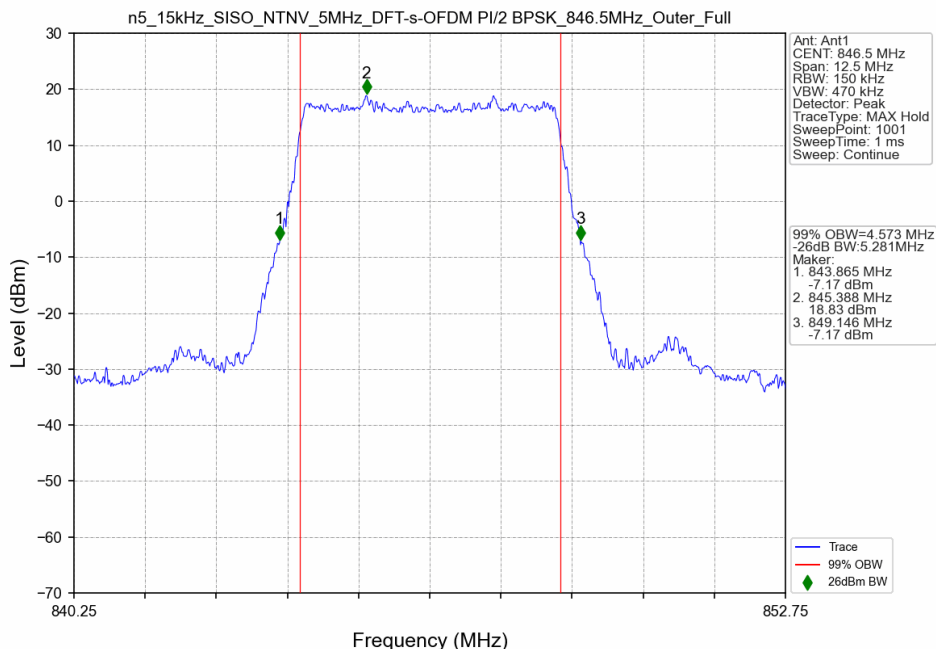
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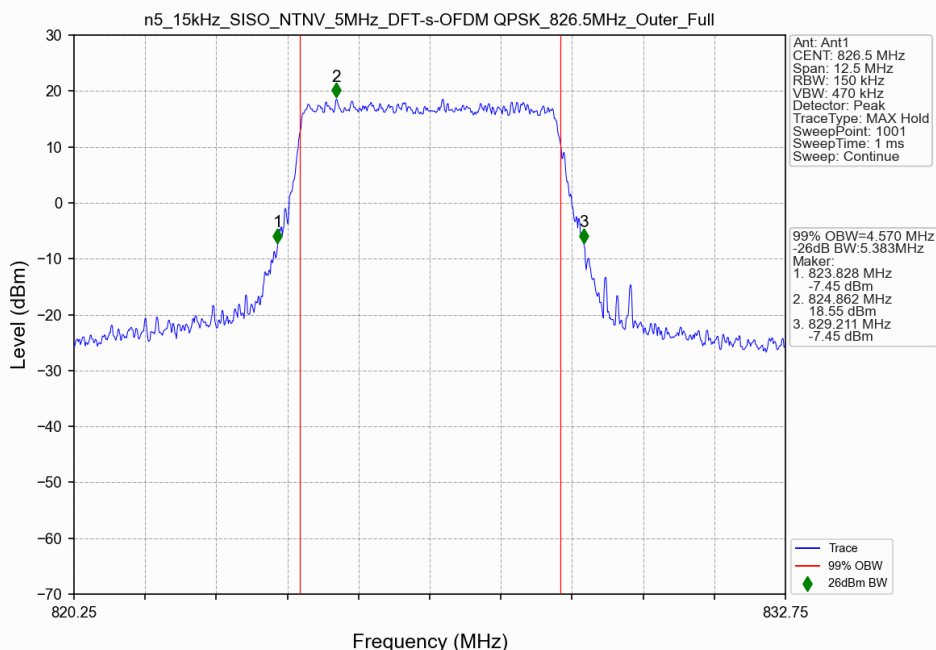
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n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_846.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_826.5MHz_Outer_Full

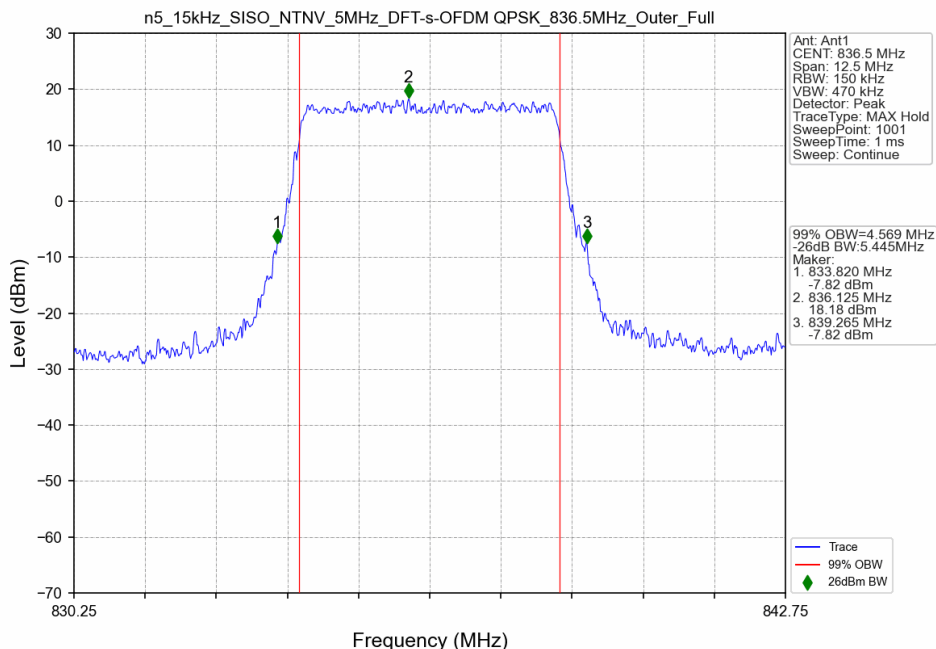


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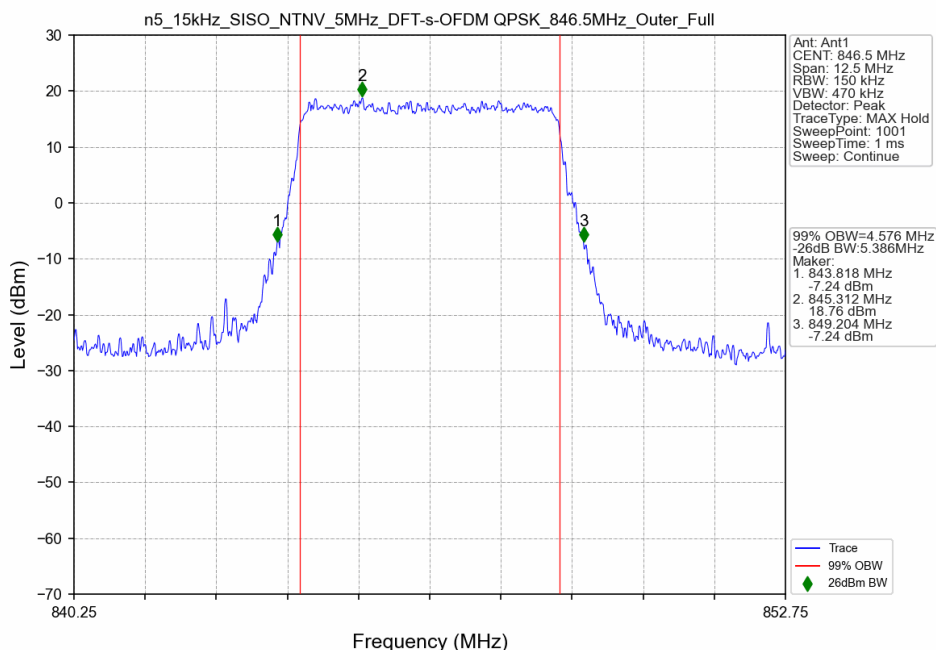
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n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_846.5MHz_Outer_Full

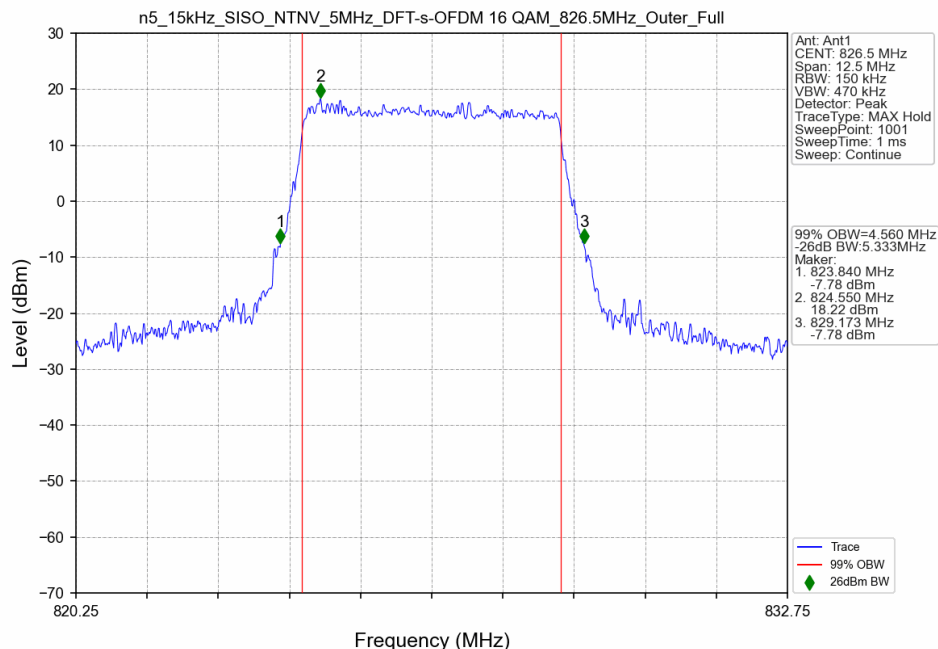


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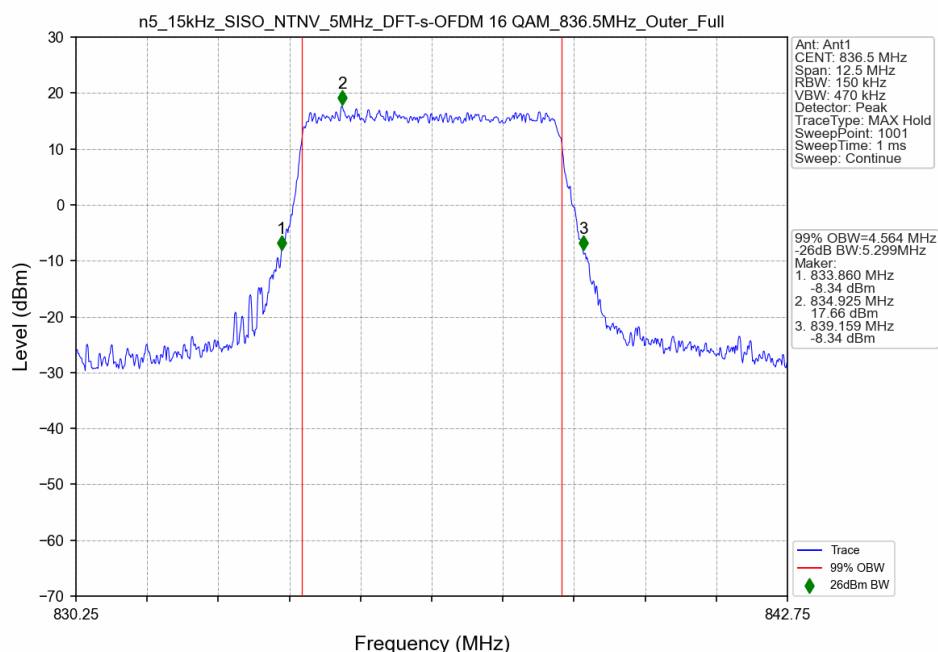
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n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_826.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_836.5MHz_Outer_Full

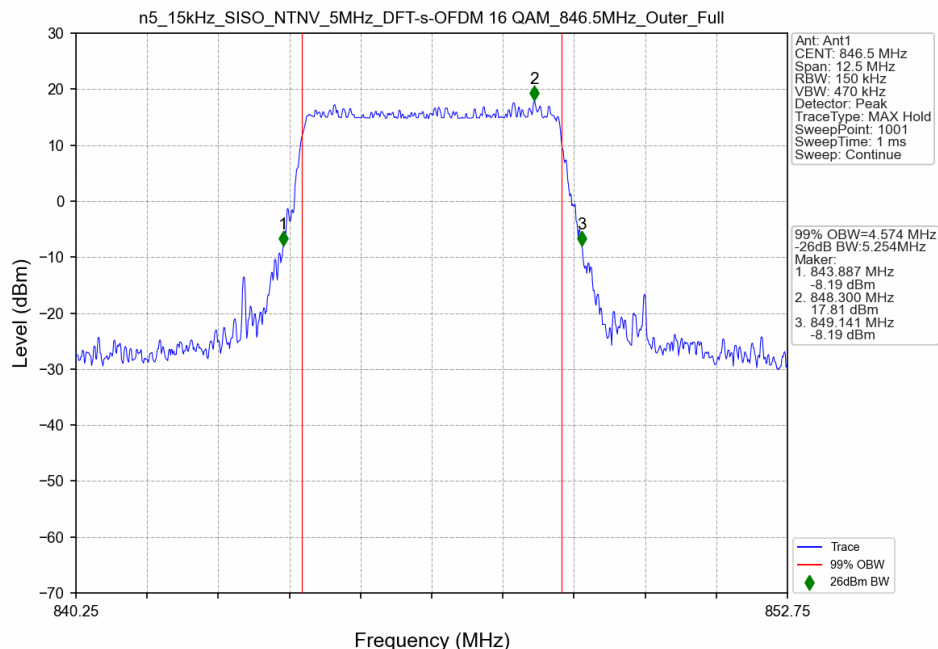


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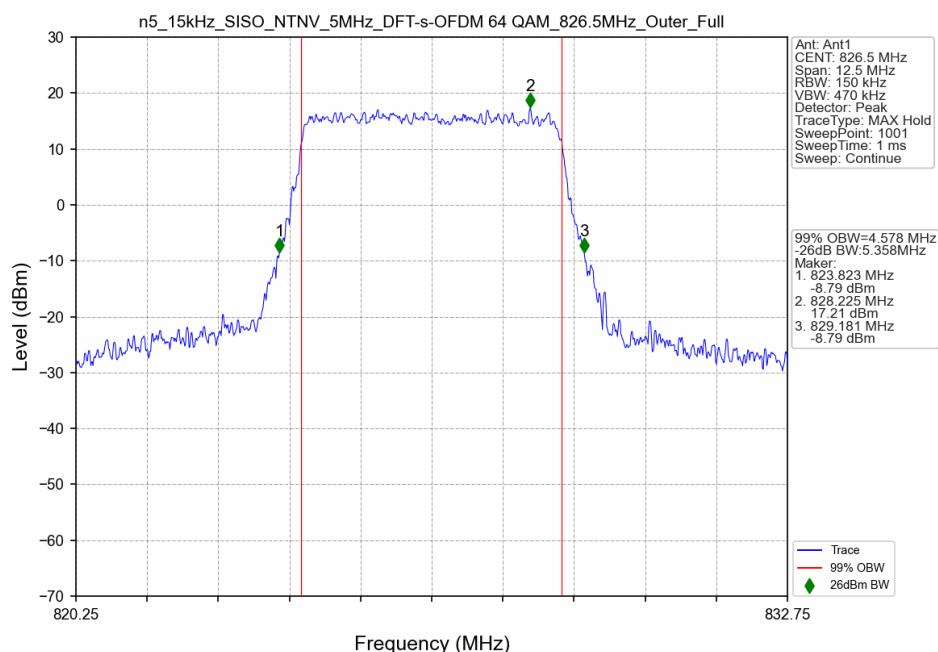
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n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_846.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_826.5MHz_Outer_Full

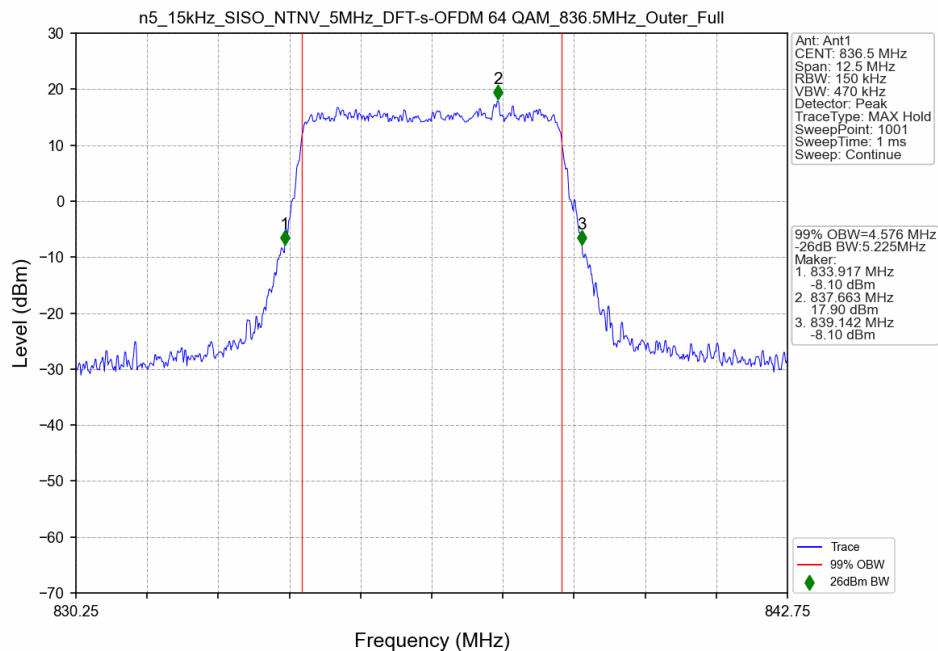


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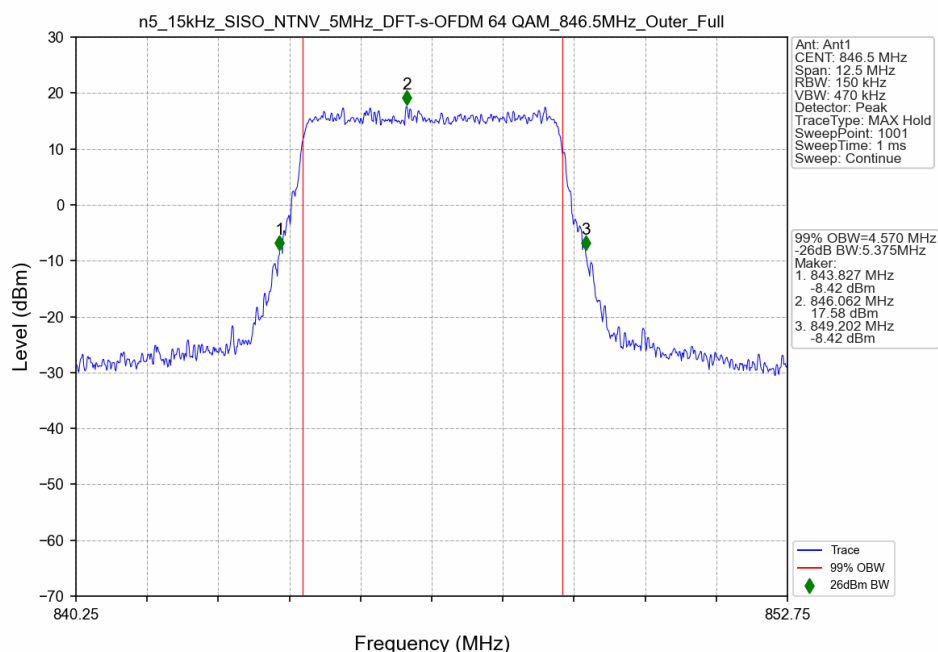
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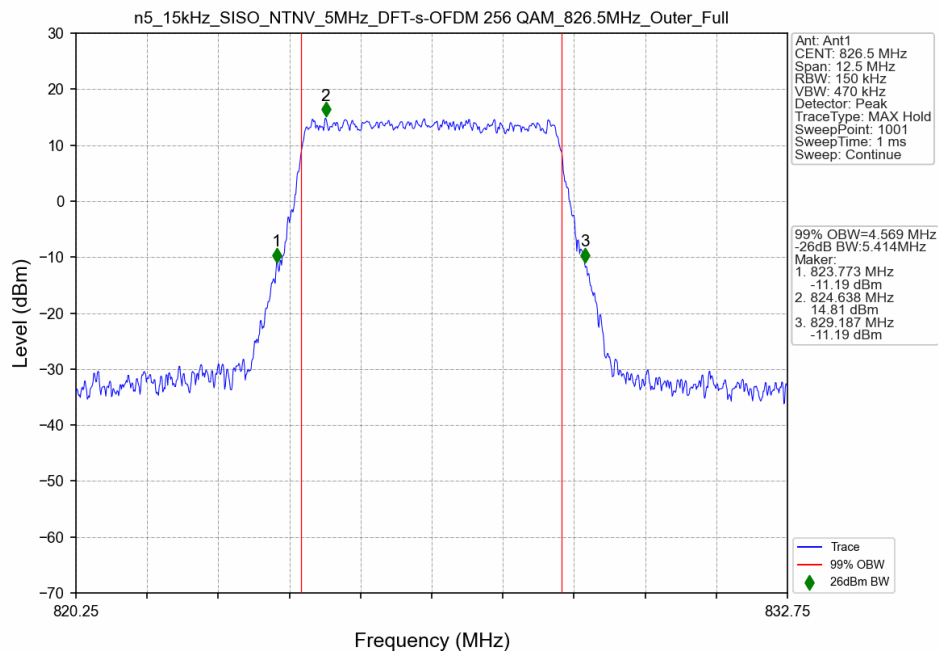


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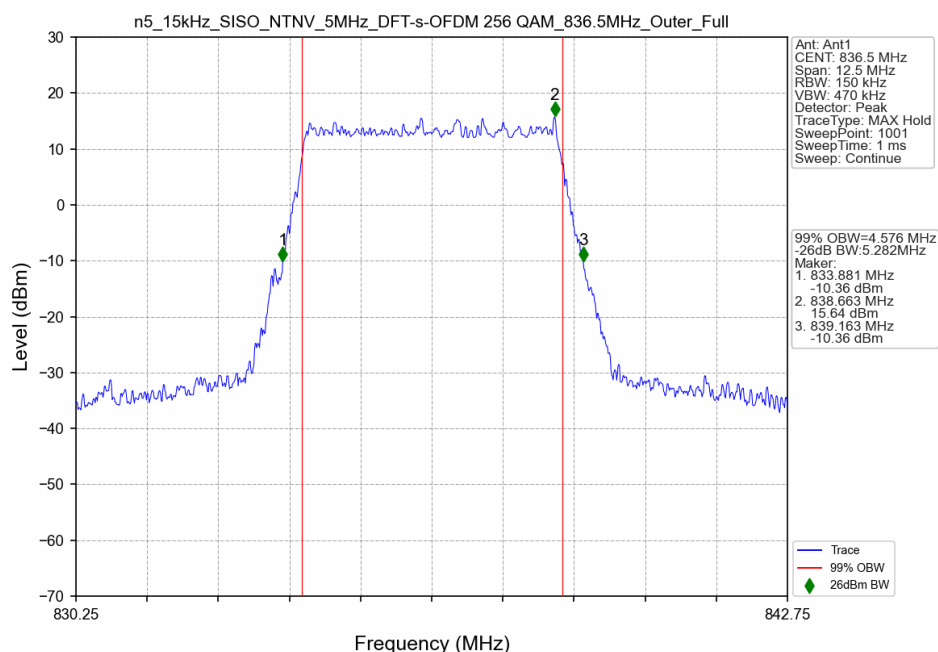
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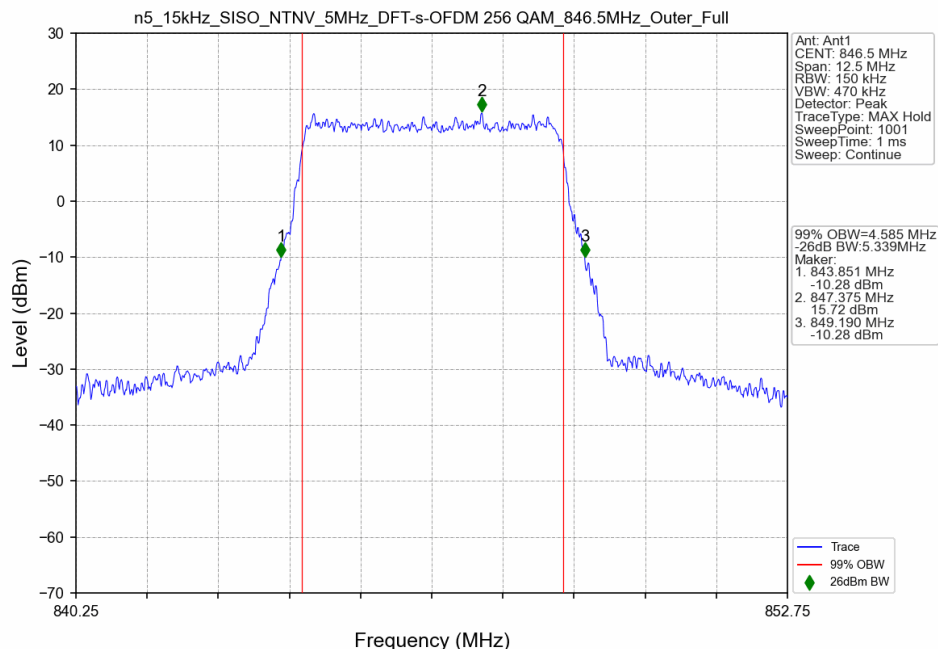


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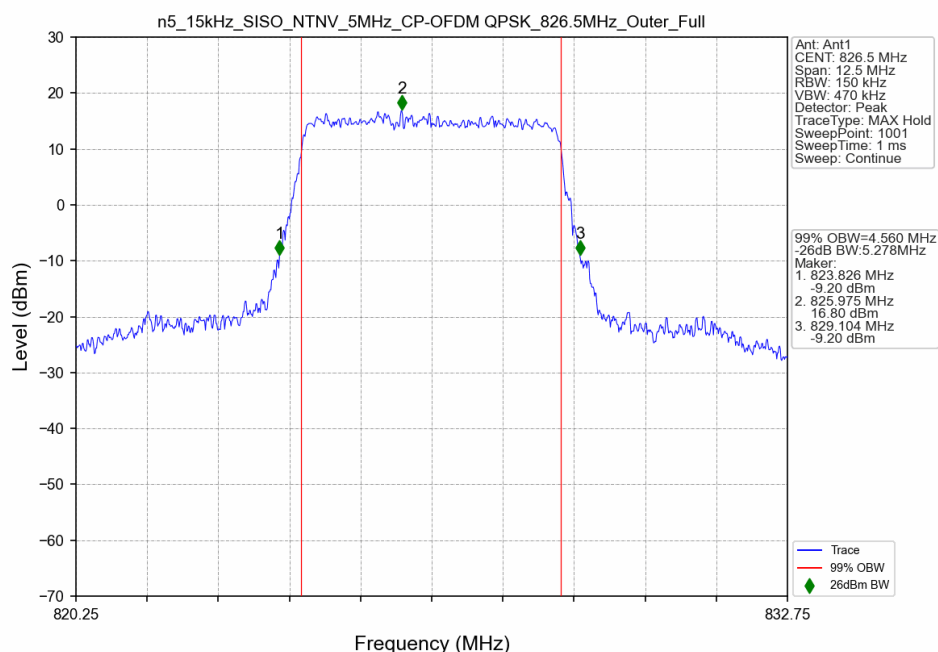
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n5_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_826.5MHz_Outer_Full

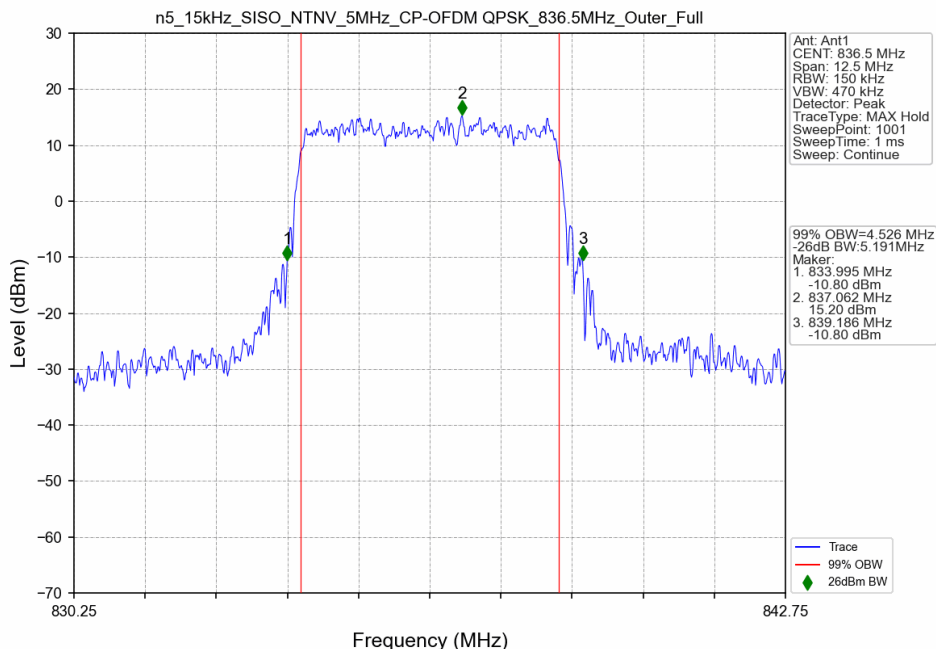


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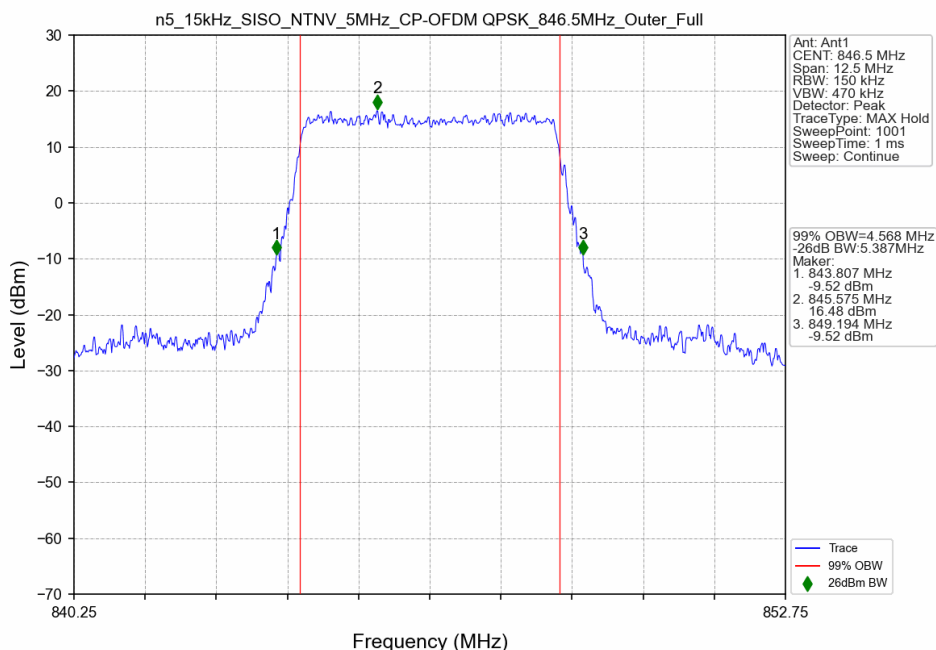
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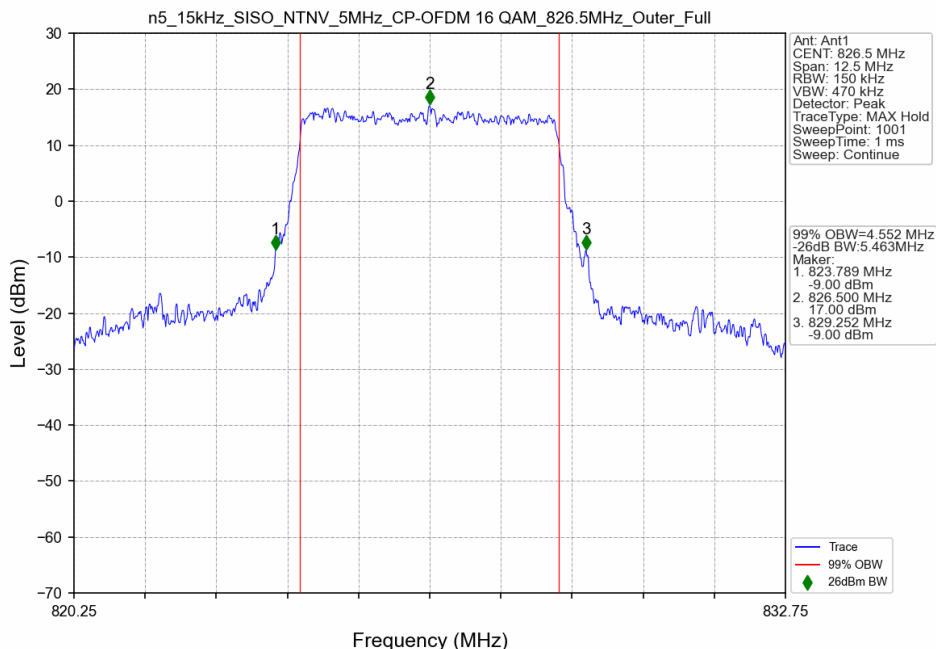


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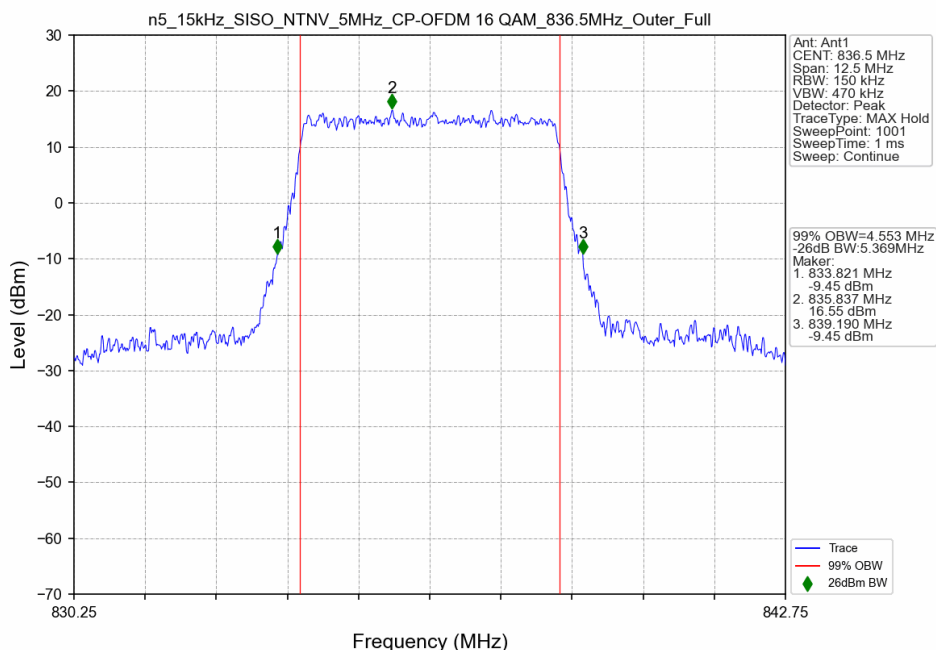
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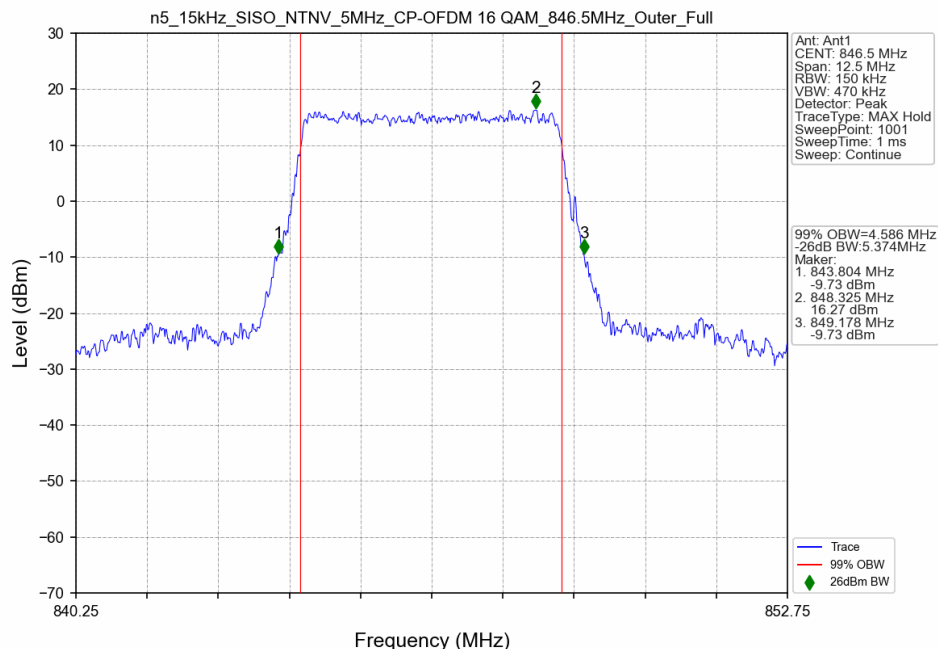


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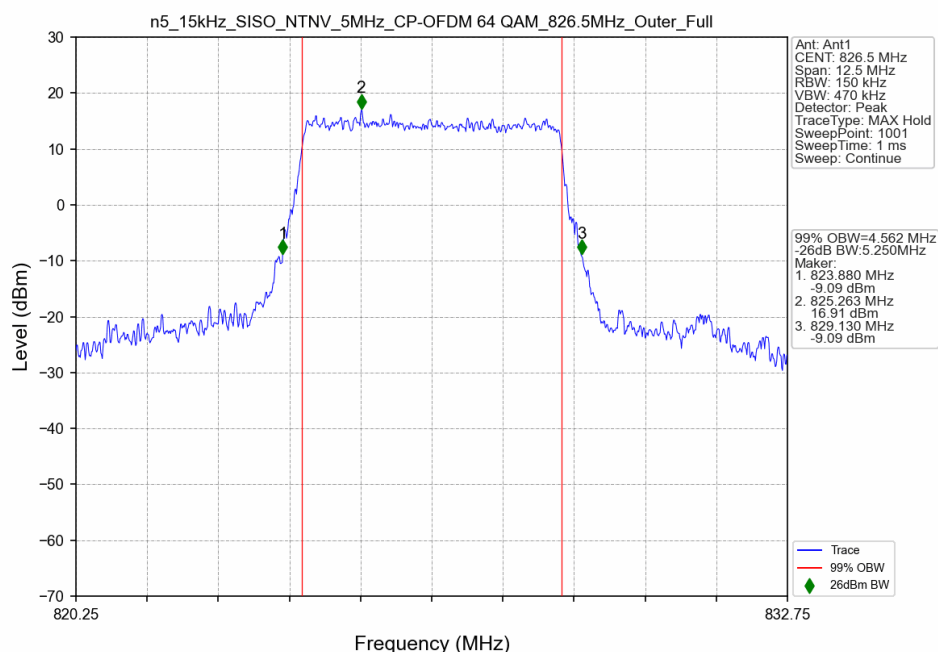
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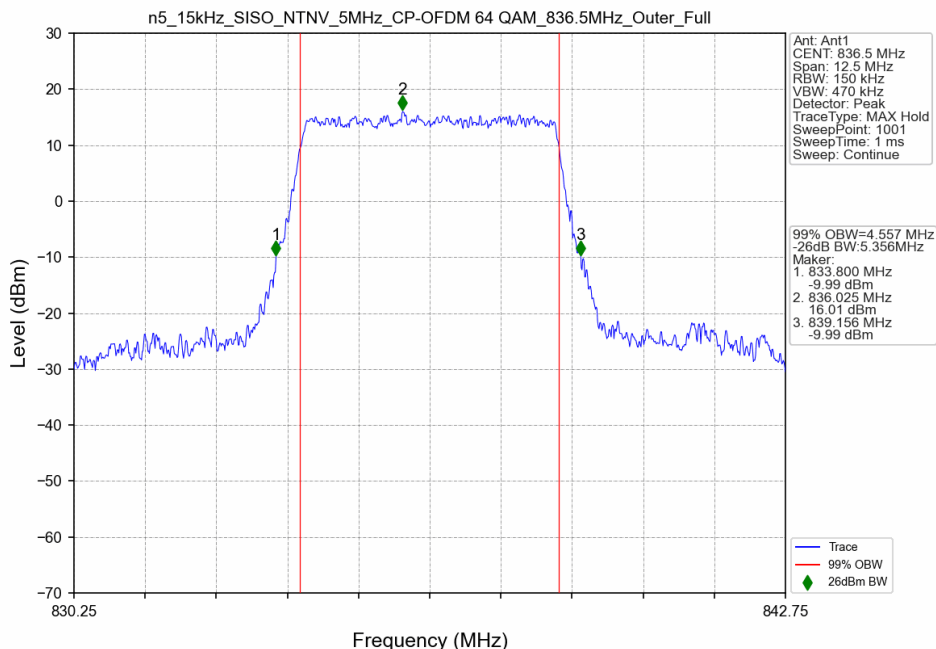


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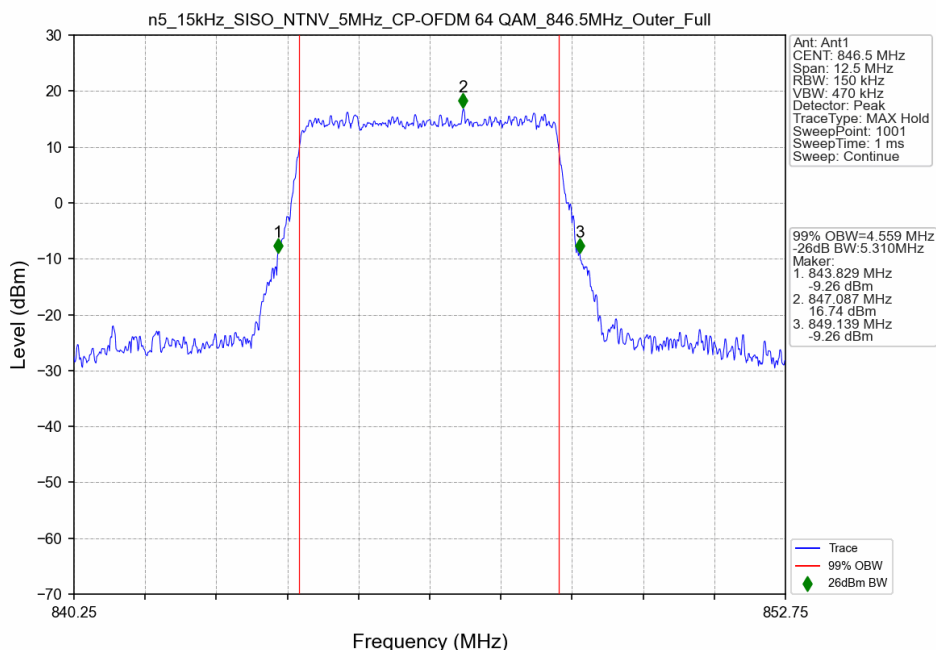
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n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_846.5MHz_Outer_Full

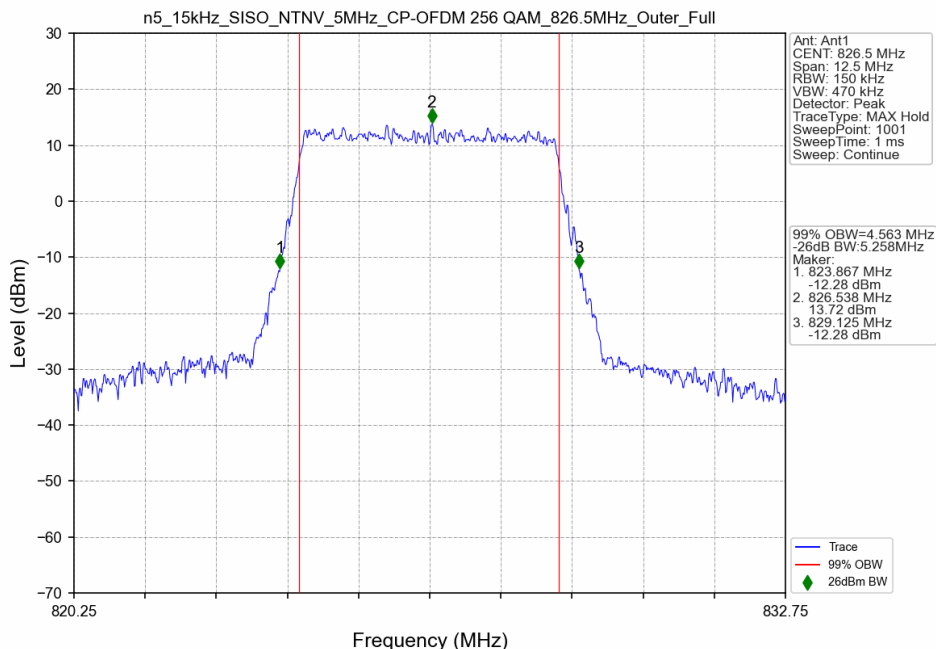


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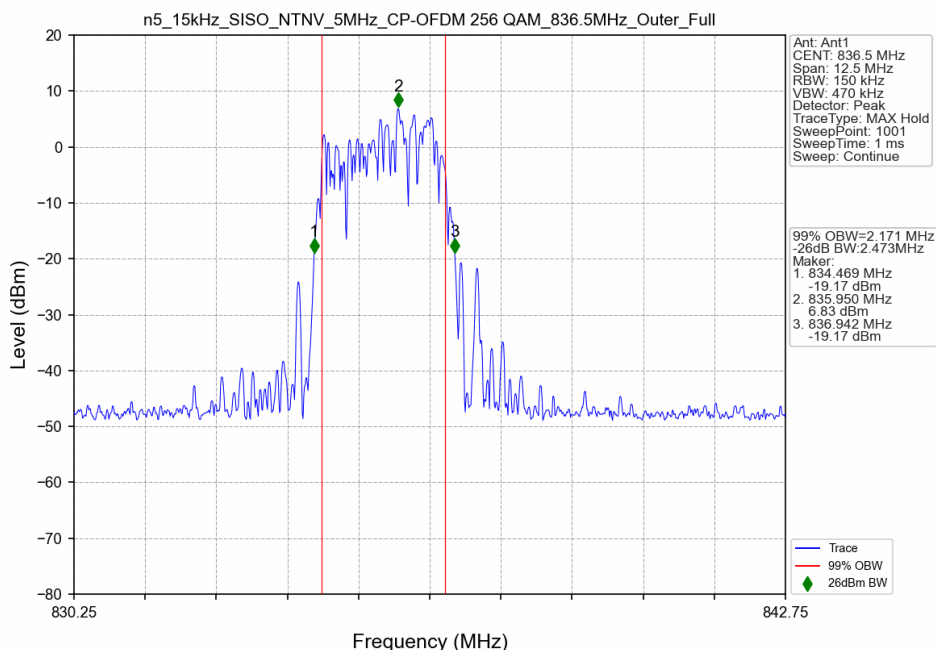
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n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_826.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_836.5MHz_Outer_Full

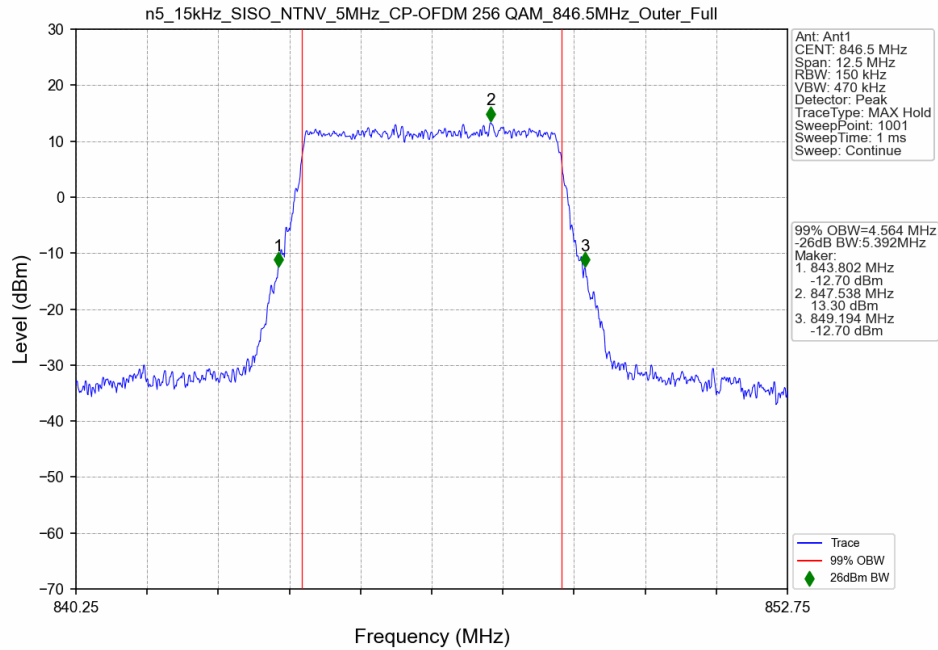


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n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_846.5MHz_Outer_Full



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