

# Appendix C.2

## LTE Band n5



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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	23.76	/	/	26.47	/	/	<=38.45	Pass
		Edge_1RB_Right	23.76	/	/	26.47	/	/	<=38.45	Pass
		Outer_Full	23.76	/	/	26.47	/	/	<=38.45	Pass
		Inner_Full	23.70	/	/	26.41	/	/	<=38.45	Pass
		Inner_1RB_Left	23.77	/	/	26.48	/	/	<=38.45	Pass
		Inner_1RB_Right	23.70	/	/	26.41	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.78	/	/	26.49	/	/	<=38.45	Pass
		Edge_1RB_Right	23.67	/	/	26.38	/	/	<=38.45	Pass
		Outer_Full	23.63	/	/	26.34	/	/	<=38.45	Pass
		Inner_Full	23.56	/	/	26.27	/	/	<=38.45	Pass
		Inner_1RB_Left	23.69	/	/	26.4	/	/	<=38.45	Pass
		Inner_1RB_Right	23.67	/	/	26.38	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.39	/	/	26.1	/	/	<=38.45	Pass
		Edge_1RB_Right	23.26	/	/	25.97	/	/	<=38.45	Pass
		Outer_Full	23.40	/	/	26.11	/	/	<=38.45	Pass
		Inner_Full	23.34	/	/	26.05	/	/	<=38.45	Pass
		Inner_1RB_Left	23.53	/	/	26.24	/	/	<=38.45	Pass
		Inner_1RB_Right	23.40	/	/	26.11	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	826.5	Edge_1RB_Left	23.75	/	/	26.46	/	/	<=38.45	Pass
		Edge_1RB_Right	23.71	/	/	26.42	/	/	<=38.45	Pass
		Outer_Full	23.68	/	/	26.39	/	/	<=38.45	Pass
		Inner_Full	23.75	/	/	26.46	/	/	<=38.45	Pass
		Inner_1RB_Left	23.73	/	/	26.44	/	/	<=38.45	Pass
		Inner_1RB_Right	23.67	/	/	26.38	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.62	/	/	26.33	/	/	<=38.45	Pass
		Edge_1RB_Right	23.62	/	/	26.33	/	/	<=38.45	Pass
		Outer_Full	23.67	/	/	26.38	/	/	<=38.45	Pass
		Inner_Full	23.63	/	/	26.34	/	/	<=38.45	Pass



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		Inner_1RB_Left	23.68	/	/	26.39	/	/	<=38.45	Pass
		Inner_1RB_Right	23.67	/	/	26.38	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	23.40	/	/	26.11	/	/	<=38.45	Pass
		Edge_1RB_Right	23.36	/	/	26.07	/	/	<=38.45	Pass
		Outer_Full	23.35	/	/	26.06	/	/	<=38.45	Pass
		Inner_Full	23.41	/	/	26.12	/	/	<=38.45	Pass
		Inner_1RB_Left	23.52	/	/	26.23	/	/	<=38.45	Pass
		Inner_1RB_Right	23.44	/	/	26.15	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge_1RB_Left	22.83	/	/	25.54	/	/	<=38.45	Pass
		Edge_1RB_Right	22.88	/	/	25.59	/	/	<=38.45	Pass
		Outer_Full	22.76	/	/	25.47	/	/	<=38.45	Pass
		Inner_Full	23.69	/	/	26.4	/	/	<=38.45	Pass
		Inner_1RB_Left	23.90	/	/	26.61	/	/	<=38.45	Pass
		Inner_1RB_Right	23.64	/	/	26.35	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.76	/	/	25.47	/	/	<=38.45	Pass
		Edge_1RB_Right	22.65	/	/	25.36	/	/	<=38.45	Pass
		Outer_Full	22.65	/	/	25.36	/	/	<=38.45	Pass
		Inner_Full	23.62	/	/	26.33	/	/	<=38.45	Pass
		Inner_1RB_Left	23.72	/	/	26.43	/	/	<=38.45	Pass
		Inner_1RB_Right	23.48	/	/	26.19	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.31	/	/	25.02	/	/	<=38.45	Pass
		Edge_1RB_Right	22.25	/	/	24.96	/	/	<=38.45	Pass
		Outer_Full	22.52	/	/	25.23	/	/	<=38.45	Pass
		Inner_Full	23.47	/	/	26.18	/	/	<=38.45	Pass
		Inner_1RB_Left	23.17	/	/	25.88	/	/	<=38.45	Pass
		Inner_1RB_Right	23.23	/	/	25.94	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge_1RB_Left	22.26	/	/	24.97	/	/	<=38.45	Pass
		Edge_1RB_Right	22.13	/	/	24.84	/	/	<=38.45	Pass
		Outer_Full	22.22	/	/	24.93	/	/	<=38.45	Pass
		Inner_Full	22.26	/	/	24.97	/	/	<=38.45	Pass
		Inner_1RB_Left	22.29	/	/	25	/	/	<=38.45	Pass
		Inner_1RB_Right	22.18	/	/	24.89	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.11	/	/	24.82	/	/	<=38.45	Pass
		Edge_1RB_Right	22.07	/	/	24.78	/	/	<=38.45	Pass
		Outer_Full	22.11	/	/	24.82	/	/	<=38.45	Pass
		Inner_Full	22.05	/	/	24.76	/	/	<=38.45	Pass
		Inner_1RB_Left	22.25	/	/	24.96	/	/	<=38.45	Pass



	846.5	Inner_1RB_Right	22.10	/	/	24.81	/	/	<=38.45	Pass
		Edge_1RB_Left	21.91	/	/	24.62	/	/	<=38.45	Pass
		Edge_1RB_Right	21.60	/	/	24.31	/	/	<=38.45	Pass
		Outer_Full	21.90	/	/	24.61	/	/	<=38.45	Pass
		Inner_Full	21.87	/	/	24.58	/	/	<=38.45	Pass
		Inner_1RB_Left	21.83	/	/	24.54	/	/	<=38.45	Pass
		Inner_1RB_Right	21.95	/	/	24.66	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Edge_1RB_Left	20.58	/	/	23.29	/	/	<=38.45	Pass
		Edge_1RB_Right	20.21	/	/	22.92	/	/	<=38.45	Pass
		Outer_Full	20.27	/	/	22.98	/	/	<=38.45	Pass
		Inner_Full	20.19	/	/	22.9	/	/	<=38.45	Pass
		Inner_1RB_Left	20.27	/	/	22.98	/	/	<=38.45	Pass
		Inner_1RB_Right	20.31	/	/	23.02	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.43	/	/	23.14	/	/	<=38.45	Pass
		Edge_1RB_Right	20.05	/	/	22.76	/	/	<=38.45	Pass
		Outer_Full	20.07	/	/	22.78	/	/	<=38.45	Pass
		Inner_Full	20.12	/	/	22.83	/	/	<=38.45	Pass
		Inner_1RB_Left	20.17	/	/	22.88	/	/	<=38.45	Pass
		Inner_1RB_Right	19.94	/	/	22.65	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	19.97	/	/	22.68	/	/	<=38.45	Pass
		Edge_1RB_Right	19.61	/	/	22.32	/	/	<=38.45	Pass
		Outer_Full	19.93	/	/	22.64	/	/	<=38.45	Pass
		Inner_Full	19.85	/	/	22.56	/	/	<=38.45	Pass
		Inner_1RB_Left	20.24	/	/	22.95	/	/	<=38.45	Pass
		Inner_1RB_Right	20.12	/	/	22.83	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	21.79	/	/	24.5	/	/	<=38.45	Pass
		Edge_1RB_Right	21.69	/	/	24.4	/	/	<=38.45	Pass
		Outer_Full	21.68	/	/	24.39	/	/	<=38.45	Pass
		Inner_Full	23.19	/	/	25.9	/	/	<=38.45	Pass
		Inner_1RB_Left	23.14	/	/	25.85	/	/	<=38.45	Pass
		Inner_1RB_Right	23.12	/	/	25.83	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.89	/	/	24.6	/	/	<=38.45	Pass
		Edge_1RB_Right	21.67	/	/	24.38	/	/	<=38.45	Pass
		Outer_Full	21.55	/	/	24.26	/	/	<=38.45	Pass
		Inner_Full	23.17	/	/	25.88	/	/	<=38.45	Pass
		Inner_1RB_Left	23.08	/	/	25.79	/	/	<=38.45	Pass
		Inner_1RB_Right	23.02	/	/	25.73	/	/	<=38.45	Pass



	846.5	Edge_1RB_Left	21.44	/	/	24.15	/	/	<=38.45	Pass
		Edge_1RB_Right	21.43	/	/	24.14	/	/	<=38.45	Pass
		Outer_Full	21.37	/	/	24.08	/	/	<=38.45	Pass
		Inner_Full	22.76	/	/	25.47	/	/	<=38.45	Pass
		Inner_1RB_Left	22.88	/	/	25.59	/	/	<=38.45	Pass
		Inner_1RB_Right	22.83	/	/	25.54	/	/	<=38.45	Pass
CP-OFDM 16 QAM	826.5	Edge_1RB_Left	22.07	/	/	24.78	/	/	<=38.45	Pass
		Edge_1RB_Right	21.64	/	/	24.35	/	/	<=38.45	Pass
		Outer_Full	21.79	/	/	24.5	/	/	<=38.45	Pass
		Inner_Full	22.70	/	/	25.41	/	/	<=38.45	Pass
		Inner_1RB_Left	22.79	/	/	25.5	/	/	<=38.45	Pass
		Inner_1RB_Right	22.66	/	/	25.37	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.63	/	/	24.34	/	/	<=38.45	Pass
		Edge_1RB_Right	21.62	/	/	24.33	/	/	<=38.45	Pass
		Outer_Full	21.60	/	/	24.31	/	/	<=38.45	Pass
		Inner_Full	22.70	/	/	25.41	/	/	<=38.45	Pass
		Inner_1RB_Left	22.72	/	/	25.43	/	/	<=38.45	Pass
		Inner_1RB_Right	22.58	/	/	25.29	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.87	/	/	24.58	/	/	<=38.45	Pass
		Edge_1RB_Right	21.53	/	/	24.24	/	/	<=38.45	Pass
		Outer_Full	21.43	/	/	24.14	/	/	<=38.45	Pass
		Inner_Full	22.33	/	/	25.04	/	/	<=38.45	Pass
		Inner_1RB_Left	22.21	/	/	24.92	/	/	<=38.45	Pass
		Inner_1RB_Right	22.41	/	/	25.12	/	/	<=38.45	Pass
CP-OFDM 64 QAM	826.5	Edge_1RB_Left	21.42	/	/	24.13	/	/	<=38.45	Pass
		Edge_1RB_Right	21.43	/	/	24.14	/	/	<=38.45	Pass
		Outer_Full	21.20	/	/	23.91	/	/	<=38.45	Pass
		Inner_Full	21.23	/	/	23.94	/	/	<=38.45	Pass
		Inner_1RB_Left	21.22	/	/	23.93	/	/	<=38.45	Pass
		Inner_1RB_Right	21.20	/	/	23.91	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.19	/	/	23.9	/	/	<=38.45	Pass
		Edge_1RB_Right	21.46	/	/	24.17	/	/	<=38.45	Pass
		Outer_Full	21.09	/	/	23.8	/	/	<=38.45	Pass
		Inner_Full	21.08	/	/	23.79	/	/	<=38.45	Pass
		Inner_1RB_Left	21.47	/	/	24.18	/	/	<=38.45	Pass
		Inner_1RB_Right	21.00	/	/	23.71	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.74	/	/	23.45	/	/	<=38.45	Pass





		Edge_1RB_Right	20.93	/	/	23.64	/	/	<=38.45	Pass
		Outer_Full	20.81	/	/	23.52	/	/	<=38.45	Pass
		Inner_Full	20.87	/	/	23.58	/	/	<=38.45	Pass
		Inner_1RB_Left	20.91	/	/	23.62	/	/	<=38.45	Pass
		Inner_1RB_Right	20.79	/	/	23.5	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge_1RB_Left	18.37	/	/	21.08	/	/	<=38.45	Pass
		Edge_1RB_Right	18.25	/	/	20.96	/	/	<=38.45	Pass
		Outer_Full	18.29	/	/	21	/	/	<=38.45	Pass
		Inner_Full	18.29	/	/	21	/	/	<=38.45	Pass
		Inner_1RB_Left	18.46	/	/	21.17	/	/	<=38.45	Pass
		Inner_1RB_Right	18.37	/	/	21.08	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.56	/	/	21.27	/	/	<=38.45	Pass
		Edge_1RB_Right	18.02	/	/	20.73	/	/	<=38.45	Pass
		Outer_Full	18.10	/	/	20.81	/	/	<=38.45	Pass
		Inner_Full	18.05	/	/	20.76	/	/	<=38.45	Pass
		Inner_1RB_Left	18.28	/	/	20.99	/	/	<=38.45	Pass
		Inner_1RB_Right	18.30	/	/	21.01	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	18.06	/	/	20.77	/	/	<=38.45	Pass
		Edge_1RB_Right	17.77	/	/	20.48	/	/	<=38.45	Pass
		Outer_Full	17.87	/	/	20.58	/	/	<=38.45	Pass
		Inner_Full	17.86	/	/	20.57	/	/	<=38.45	Pass
		Inner_1RB_Left	18.24	/	/	20.95	/	/	<=38.45	Pass
		Inner_1RB_Right	17.62	/	/	20.33	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: 4.86dBi;										
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	23.65	/	/	26.36	/	/	<=38.45	Pass
		Edge_1RB_Right	23.59	/	/	26.3	/	/	<=38.45	Pass
		Outer_Full	23.63	/	/	26.34	/	/	<=38.45	Pass
		Inner_Full	23.65	/	/	26.36	/	/	<=38.45	Pass
		Inner_1RB_Left	23.68	/	/	26.39	/	/	<=38.45	Pass
		Inner_1RB_Right	23.52	/	/	26.23	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.56	/	/	26.27	/	/	<=38.45	Pass



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		Edge_1RB_Right	23.48	/	/	26.19	/	/	<=38.45	Pass
		Outer_Full	23.65	/	/	26.36	/	/	<=38.45	Pass
		Inner_Full	23.63	/	/	26.34	/	/	<=38.45	Pass
		Inner_1RB_Left	23.60	/	/	26.31	/	/	<=38.45	Pass
		Inner_1RB_Right	23.50	/	/	26.21	/	/	<=38.45	Pass
	844	Edge_1RB_Left	23.40	/	/	26.11	/	/	<=38.45	Pass
		Edge_1RB_Right	23.23	/	/	25.94	/	/	<=38.45	Pass
		Outer_Full	23.43	/	/	26.14	/	/	<=38.45	Pass
		Inner_Full	23.36	/	/	26.07	/	/	<=38.45	Pass
		Inner_1RB_Left	23.51	/	/	26.22	/	/	<=38.45	Pass
		Inner_1RB_Right	23.26	/	/	25.97	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	829	Edge_1RB_Left	23.68	/	/	26.39	/	/	<=38.45	Pass
		Edge_1RB_Right	23.66	/	/	26.37	/	/	<=38.45	Pass
		Outer_Full	23.63	/	/	26.34	/	/	<=38.45	Pass
		Inner_Full	23.67	/	/	26.38	/	/	<=38.45	Pass
		Inner_1RB_Left	23.65	/	/	26.36	/	/	<=38.45	Pass
		Inner_1RB_Right	23.47	/	/	26.18	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.49	/	/	26.2	/	/	<=38.45	Pass
		Edge_1RB_Right	23.52	/	/	26.23	/	/	<=38.45	Pass
		Outer_Full	23.65	/	/	26.36	/	/	<=38.45	Pass
		Inner_Full	23.68	/	/	26.39	/	/	<=38.45	Pass
		Inner_1RB_Left	23.63	/	/	26.34	/	/	<=38.45	Pass
		Inner_1RB_Right	23.46	/	/	26.17	/	/	<=38.45	Pass
	844	Edge_1RB_Left	23.53	/	/	26.24	/	/	<=38.45	Pass
		Edge_1RB_Right	23.21	/	/	25.92	/	/	<=38.45	Pass
		Outer_Full	23.42	/	/	26.13	/	/	<=38.45	Pass
		Inner_Full	23.37	/	/	26.08	/	/	<=38.45	Pass
		Inner_1RB_Left	23.51	/	/	26.22	/	/	<=38.45	Pass
		Inner_1RB_Right	23.23	/	/	25.94	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge_1RB_Left	22.58	/	/	25.29	/	/	<=38.45	Pass
		Edge_1RB_Right	22.50	/	/	25.21	/	/	<=38.45	Pass
		Outer_Full	22.72	/	/	25.43	/	/	<=38.45	Pass
		Inner_Full	23.66	/	/	26.37	/	/	<=38.45	Pass
		Inner_1RB_Left	23.74	/	/	26.45	/	/	<=38.45	Pass
		Inner_1RB_Right	23.45	/	/	26.16	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.52	/	/	25.23	/	/	<=38.45	Pass
		Edge_1RB_Right	22.51	/	/	25.22	/	/	<=38.45	Pass



		Outer_Full	22.64	/	/	25.35	/	/	<=38.45	Pass
		Inner_Full	23.79	/	/	26.5	/	/	<=38.45	Pass
		Inner_1RB_Left	23.81	/	/	26.52	/	/	<=38.45	Pass
		Inner_1RB_Right	23.34	/	/	26.05	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.72	/	/	25.43	/	/	<=38.45	Pass
		Edge_1RB_Right	22.23	/	/	24.94	/	/	<=38.45	Pass
		Outer_Full	22.36	/	/	25.07	/	/	<=38.45	Pass
		Inner_Full	23.42	/	/	26.13	/	/	<=38.45	Pass
		Inner_1RB_Left	23.77	/	/	26.48	/	/	<=38.45	Pass
		Inner_1RB_Right	23.00	/	/	25.71	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge_1RB_Left	22.28	/	/	24.99	/	/	<=38.45	Pass
		Edge_1RB_Right	21.97	/	/	24.68	/	/	<=38.45	Pass
		Outer_Full	22.13	/	/	24.84	/	/	<=38.45	Pass
		Inner_Full	22.17	/	/	24.88	/	/	<=38.45	Pass
		Inner_1RB_Left	22.22	/	/	24.93	/	/	<=38.45	Pass
		Inner_1RB_Right	22.18	/	/	24.89	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.22	/	/	24.93	/	/	<=38.45	Pass
		Edge_1RB_Right	22.10	/	/	24.81	/	/	<=38.45	Pass
		Outer_Full	22.12	/	/	24.83	/	/	<=38.45	Pass
		Inner_Full	22.22	/	/	24.93	/	/	<=38.45	Pass
		Inner_1RB_Left	22.33	/	/	25.04	/	/	<=38.45	Pass
		Inner_1RB_Right	22.09	/	/	24.8	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.21	/	/	24.92	/	/	<=38.45	Pass
		Edge_1RB_Right	21.85	/	/	24.56	/	/	<=38.45	Pass
		Outer_Full	21.89	/	/	24.6	/	/	<=38.45	Pass
		Inner_Full	21.85	/	/	24.56	/	/	<=38.45	Pass
		Inner_1RB_Left	22.00	/	/	24.71	/	/	<=38.45	Pass
		Inner_1RB_Right	21.80	/	/	24.51	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge_1RB_Left	20.09	/	/	22.8	/	/	<=38.45	Pass
		Edge_1RB_Right	20.09	/	/	22.8	/	/	<=38.45	Pass
		Outer_Full	20.18	/	/	22.89	/	/	<=38.45	Pass
		Inner_Full	20.17	/	/	22.88	/	/	<=38.45	Pass
		Inner_1RB_Left	20.17	/	/	22.88	/	/	<=38.45	Pass
		Inner_1RB_Right	19.85	/	/	22.56	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.11	/	/	22.82	/	/	<=38.45	Pass
		Edge_1RB_Right	20.10	/	/	22.81	/	/	<=38.45	Pass
		Outer_Full	20.10	/	/	22.81	/	/	<=38.45	Pass



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		Inner_Full	20.17	/	/	22.88	/	/	<=38.45	Pass
		Inner_1RB_Left	20.02	/	/	22.73	/	/	<=38.45	Pass
		Inner_1RB_Right	20.31	/	/	23.02	/	/	<=38.45	Pass
	844	Edge_1RB_Left	19.82	/	/	22.53	/	/	<=38.45	Pass
		Edge_1RB_Right	19.60	/	/	22.31	/	/	<=38.45	Pass
		Outer_Full	19.86	/	/	22.57	/	/	<=38.45	Pass
		Inner_Full	19.88	/	/	22.59	/	/	<=38.45	Pass
		Inner_1RB_Left	20.09	/	/	22.8	/	/	<=38.45	Pass
		Inner_1RB_Right	19.72	/	/	22.43	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge_1RB_Left	21.57	/	/	24.28	/	/	<=38.45	Pass
		Edge_1RB_Right	21.59	/	/	24.3	/	/	<=38.45	Pass
		Outer_Full	21.58	/	/	24.29	/	/	<=38.45	Pass
		Inner_Full	23.28	/	/	25.99	/	/	<=38.45	Pass
		Inner_1RB_Left	23.13	/	/	25.84	/	/	<=38.45	Pass
		Inner_1RB_Right	23.06	/	/	25.77	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.71	/	/	24.42	/	/	<=38.45	Pass
		Edge_1RB_Right	21.52	/	/	24.23	/	/	<=38.45	Pass
		Outer_Full	21.60	/	/	24.31	/	/	<=38.45	Pass
		Inner_Full	23.07	/	/	25.78	/	/	<=38.45	Pass
		Inner_1RB_Left	23.00	/	/	25.71	/	/	<=38.45	Pass
		Inner_1RB_Right	22.95	/	/	25.66	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.51	/	/	24.22	/	/	<=38.45	Pass
		Edge_1RB_Right	21.25	/	/	23.96	/	/	<=38.45	Pass
		Outer_Full	21.38	/	/	24.09	/	/	<=38.45	Pass
		Inner_Full	22.88	/	/	25.59	/	/	<=38.45	Pass
		Inner_1RB_Left	22.94	/	/	25.65	/	/	<=38.45	Pass
		Inner_1RB_Right	22.67	/	/	25.38	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Edge_1RB_Left	21.52	/	/	24.23	/	/	<=38.45	Pass
		Edge_1RB_Right	21.47	/	/	24.18	/	/	<=38.45	Pass
		Outer_Full	21.62	/	/	24.33	/	/	<=38.45	Pass
		Inner_Full	22.57	/	/	25.28	/	/	<=38.45	Pass
		Inner_1RB_Left	22.64	/	/	25.35	/	/	<=38.45	Pass
		Inner_1RB_Right	22.68	/	/	25.39	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.57	/	/	24.28	/	/	<=38.45	Pass
		Edge_1RB_Right	21.56	/	/	24.27	/	/	<=38.45	Pass
		Outer_Full	21.64	/	/	24.35	/	/	<=38.45	Pass
		Inner_Full	22.55	/	/	25.26	/	/	<=38.45	Pass



		Inner_1RB_Left	22.49	/	/	25.2	/	/	<=38.45	Pass
		Inner_1RB_Right	22.35	/	/	25.06	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.60	/	/	24.31	/	/	<=38.45	Pass
		Edge_1RB_Right	21.26	/	/	23.97	/	/	<=38.45	Pass
		Outer_Full	21.38	/	/	24.09	/	/	<=38.45	Pass
		Inner_Full	22.29	/	/	25	/	/	<=38.45	Pass
		Inner_1RB_Left	22.37	/	/	25.08	/	/	<=38.45	Pass
		Inner_1RB_Right	22.26	/	/	24.97	/	/	<=38.45	Pass
CP-OFDM 64 QAM	829	Edge_1RB_Left	21.29	/	/	24	/	/	<=38.45	Pass
		Edge_1RB_Right	21.14	/	/	23.85	/	/	<=38.45	Pass
		Outer_Full	21.19	/	/	23.9	/	/	<=38.45	Pass
		Inner_Full	21.19	/	/	23.9	/	/	<=38.45	Pass
		Inner_1RB_Left	21.20	/	/	23.91	/	/	<=38.45	Pass
		Inner_1RB_Right	20.96	/	/	23.67	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.29	/	/	24	/	/	<=38.45	Pass
		Edge_1RB_Right	20.92	/	/	23.63	/	/	<=38.45	Pass
		Outer_Full	21.19	/	/	23.9	/	/	<=38.45	Pass
		Inner_Full	21.07	/	/	23.78	/	/	<=38.45	Pass
		Inner_1RB_Left	21.16	/	/	23.87	/	/	<=38.45	Pass
		Inner_1RB_Right	21.35	/	/	24.06	/	/	<=38.45	Pass
	844	Edge_1RB_Left	21.07	/	/	23.78	/	/	<=38.45	Pass
		Edge_1RB_Right	20.86	/	/	23.57	/	/	<=38.45	Pass
		Outer_Full	20.87	/	/	23.58	/	/	<=38.45	Pass
		Inner_Full	20.79	/	/	23.5	/	/	<=38.45	Pass
		Inner_1RB_Left	21.00	/	/	23.71	/	/	<=38.45	Pass
		Inner_1RB_Right	20.77	/	/	23.48	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Edge_1RB_Left	17.89	/	/	20.6	/	/	<=38.45	Pass
		Edge_1RB_Right	18.26	/	/	20.97	/	/	<=38.45	Pass
		Outer_Full	18.15	/	/	20.86	/	/	<=38.45	Pass
		Inner_Full	18.13	/	/	20.84	/	/	<=38.45	Pass
		Inner_1RB_Left	18.22	/	/	20.93	/	/	<=38.45	Pass
		Inner_1RB_Right	18.08	/	/	20.79	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.21	/	/	20.92	/	/	<=38.45	Pass
		Edge_1RB_Right	18.21	/	/	20.92	/	/	<=38.45	Pass
		Outer_Full	18.15	/	/	20.86	/	/	<=38.45	Pass
		Inner_Full	18.19	/	/	20.9	/	/	<=38.45	Pass
		Inner_1RB_Left	18.03	/	/	20.74	/	/	<=38.45	Pass



		Inner_1RB_Right	18.04	/	/	20.75	/	/	<=38.45	Pass
	844	Edge_1RB_Left	17.94	/	/	20.65	/	/	<=38.45	Pass
		Edge_1RB_Right	17.74	/	/	20.45	/	/	<=38.45	Pass
		Outer_Full	17.89	/	/	20.6	/	/	<=38.45	Pass
		Inner_Full	17.86	/	/	20.57	/	/	<=38.45	Pass
		Inner_1RB_Left	18.41	/	/	21.12	/	/	<=38.45	Pass
		Inner_1RB_Right	17.85	/	/	20.56	/	/	<=38.45	Pass

Note1: Antenna Gain: Ant1: 4.86dBi;

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	23.80	/	/	26.51	/	/	<=38.45	Pass
		Edge_1RB_Right	23.62	/	/	26.33	/	/	<=38.45	Pass
		Outer_Full	23.83	/	/	26.54	/	/	<=38.45	Pass
		Inner_Full	23.82	/	/	26.53	/	/	<=38.45	Pass
		Inner_1RB_Left	23.76	/	/	26.47	/	/	<=38.45	Pass
		Inner_1RB_Right	23.66	/	/	26.37	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.79	/	/	26.5	/	/	<=38.45	Pass
		Edge_1RB_Right	23.46	/	/	26.17	/	/	<=38.45	Pass
		Outer_Full	23.82	/	/	26.53	/	/	<=38.45	Pass
		Inner_Full	23.79	/	/	26.5	/	/	<=38.45	Pass
		Inner_1RB_Left	23.75	/	/	26.46	/	/	<=38.45	Pass
		Inner_1RB_Right	23.47	/	/	26.18	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.77	/	/	26.48	/	/	<=38.45	Pass
		Edge_1RB_Right	23.27	/	/	25.98	/	/	<=38.45	Pass
		Outer_Full	23.65	/	/	26.36	/	/	<=38.45	Pass
		Inner_Full	23.57	/	/	26.28	/	/	<=38.45	Pass
		Inner_1RB_Left	23.84	/	/	26.55	/	/	<=38.45	Pass
		Inner_1RB_Right	23.36	/	/	26.07	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	831.5	Edge_1RB_Left	23.73	/	/	26.44	/	/	<=38.45	Pass
		Edge_1RB_Right	23.60	/	/	26.31	/	/	<=38.45	Pass
		Outer_Full	23.85	/	/	26.56	/	/	<=38.45	Pass
		Inner_Full	23.82	/	/	26.53	/	/	<=38.45	Pass
		Inner_1RB_Left	23.74	/	/	26.45	/	/	<=38.45	Pass



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	836.5	Inner_1RB_Right	23.55	/	/	26.26	/	/	<=38.45	Pass
		Edge_1RB_Left	23.92	/	/	26.63	/	/	<=38.45	Pass
		Edge_1RB_Right	23.46	/	/	26.17	/	/	<=38.45	Pass
		Outer_Full	23.80	/	/	26.51	/	/	<=38.45	Pass
		Inner_Full	23.86	/	/	26.57	/	/	<=38.45	Pass
		Inner_1RB_Left	23.75	/	/	26.46	/	/	<=38.45	Pass
		Inner_1RB_Right	23.42	/	/	26.13	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	23.80	/	/	26.51	/	/	<=38.45	Pass
		Edge_1RB_Right	23.40	/	/	26.11	/	/	<=38.45	Pass
		Outer_Full	23.60	/	/	26.31	/	/	<=38.45	Pass
		Inner_Full	23.66	/	/	26.37	/	/	<=38.45	Pass
		Inner_1RB_Left	23.75	/	/	26.46	/	/	<=38.45	Pass
		Inner_1RB_Right	23.34	/	/	26.05	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge_1RB_Left	22.76	/	/	25.47	/	/	<=38.45	Pass
		Edge_1RB_Right	22.76	/	/	25.47	/	/	<=38.45	Pass
		Outer_Full	22.85	/	/	25.56	/	/	<=38.45	Pass
		Inner_Full	23.73	/	/	26.44	/	/	<=38.45	Pass
		Inner_1RB_Left	23.63	/	/	26.34	/	/	<=38.45	Pass
		Inner_1RB_Right	23.54	/	/	26.25	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.95	/	/	25.66	/	/	<=38.45	Pass
		Edge_1RB_Right	22.55	/	/	25.26	/	/	<=38.45	Pass
		Outer_Full	22.87	/	/	25.58	/	/	<=38.45	Pass
		Inner_Full	23.83	/	/	26.54	/	/	<=38.45	Pass
		Inner_1RB_Left	23.41	/	/	26.12	/	/	<=38.45	Pass
		Inner_1RB_Right	23.21	/	/	25.92	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.76	/	/	25.47	/	/	<=38.45	Pass
		Edge_1RB_Right	22.36	/	/	25.07	/	/	<=38.45	Pass
		Outer_Full	22.64	/	/	25.35	/	/	<=38.45	Pass
		Inner_Full	23.64	/	/	26.35	/	/	<=38.45	Pass
		Inner_1RB_Left	24.13	/	/	26.84	/	/	<=38.45	Pass
		Inner_1RB_Right	23.13	/	/	25.84	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge_1RB_Left	22.32	/	/	25.03	/	/	<=38.45	Pass
		Edge_1RB_Right	22.19	/	/	24.9	/	/	<=38.45	Pass
		Outer_Full	22.39	/	/	25.1	/	/	<=38.45	Pass
		Inner_Full	22.40	/	/	25.11	/	/	<=38.45	Pass
		Inner_1RB_Left	22.45	/	/	25.16	/	/	<=38.45	Pass
		Inner_1RB_Right	22.28	/	/	24.99	/	/	<=38.45	Pass





	836.5	Edge_1RB_Left	22.20	/	/	24.91	/	/	<=38.45	Pass
		Edge_1RB_Right	22.12	/	/	24.83	/	/	<=38.45	Pass
		Outer_Full	22.36	/	/	25.07	/	/	<=38.45	Pass
		Inner_Full	22.33	/	/	25.04	/	/	<=38.45	Pass
		Inner_1RB_Left	22.29	/	/	25	/	/	<=38.45	Pass
		Inner_1RB_Right	21.86	/	/	24.57	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.00	/	/	24.71	/	/	<=38.45	Pass
		Edge_1RB_Right	21.91	/	/	24.62	/	/	<=38.45	Pass
		Outer_Full	22.12	/	/	24.83	/	/	<=38.45	Pass
		Inner_Full	22.19	/	/	24.9	/	/	<=38.45	Pass
		Inner_1RB_Left	22.16	/	/	24.87	/	/	<=38.45	Pass
		Inner_1RB_Right	21.78	/	/	24.49	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Edge_1RB_Left	20.39	/	/	23.1	/	/	<=38.45	Pass
		Edge_1RB_Right	20.14	/	/	22.85	/	/	<=38.45	Pass
		Outer_Full	20.39	/	/	23.1	/	/	<=38.45	Pass
		Inner_Full	20.34	/	/	23.05	/	/	<=38.45	Pass
		Inner_1RB_Left	20.45	/	/	23.16	/	/	<=38.45	Pass
		Inner_1RB_Right	20.37	/	/	23.08	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.41	/	/	23.12	/	/	<=38.45	Pass
		Edge_1RB_Right	20.07	/	/	22.78	/	/	<=38.45	Pass
		Outer_Full	20.34	/	/	23.05	/	/	<=38.45	Pass
		Inner_Full	20.30	/	/	23.01	/	/	<=38.45	Pass
		Inner_1RB_Left	20.24	/	/	22.95	/	/	<=38.45	Pass
		Inner_1RB_Right	19.90	/	/	22.61	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	20.33	/	/	23.04	/	/	<=38.45	Pass
		Edge_1RB_Right	19.96	/	/	22.67	/	/	<=38.45	Pass
		Outer_Full	20.10	/	/	22.81	/	/	<=38.45	Pass
		Inner_Full	20.10	/	/	22.81	/	/	<=38.45	Pass
		Inner_1RB_Left	20.33	/	/	23.04	/	/	<=38.45	Pass
		Inner_1RB_Right	19.86	/	/	22.57	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Edge_1RB_Left	21.72	/	/	24.43	/	/	<=38.45	Pass
		Edge_1RB_Right	21.65	/	/	24.36	/	/	<=38.45	Pass
		Outer_Full	21.89	/	/	24.6	/	/	<=38.45	Pass
		Inner_Full	23.37	/	/	26.08	/	/	<=38.45	Pass
		Inner_1RB_Left	23.14	/	/	25.85	/	/	<=38.45	Pass
		Inner_1RB_Right	22.97	/	/	25.68	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.78	/	/	24.49	/	/	<=38.45	Pass



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		Edge_1RB_Right	21.42	/	/	24.13	/	/	<=38.45	Pass
		Outer_Full	21.74	/	/	24.45	/	/	<=38.45	Pass
		Inner_Full	23.28	/	/	25.99	/	/	<=38.45	Pass
		Inner_1RB_Left	23.21	/	/	25.92	/	/	<=38.45	Pass
		Inner_1RB_Right	22.79	/	/	25.5	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.84	/	/	24.55	/	/	<=38.45	Pass
		Edge_1RB_Right	21.45	/	/	24.16	/	/	<=38.45	Pass
		Outer_Full	21.57	/	/	24.28	/	/	<=38.45	Pass
		Inner_Full	23.04	/	/	25.75	/	/	<=38.45	Pass
		Inner_1RB_Left	23.19	/	/	25.9	/	/	<=38.45	Pass
		Inner_1RB_Right	22.75	/	/	25.46	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Edge_1RB_Left	21.90	/	/	24.61	/	/	<=38.45	Pass
		Edge_1RB_Right	21.51	/	/	24.22	/	/	<=38.45	Pass
		Outer_Full	21.87	/	/	24.58	/	/	<=38.45	Pass
		Inner_Full	22.89	/	/	25.6	/	/	<=38.45	Pass
		Inner_1RB_Left	22.94	/	/	25.65	/	/	<=38.45	Pass
		Inner_1RB_Right	22.62	/	/	25.33	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.02	/	/	24.73	/	/	<=38.45	Pass
		Edge_1RB_Right	21.39	/	/	24.1	/	/	<=38.45	Pass
		Outer_Full	21.79	/	/	24.5	/	/	<=38.45	Pass
		Inner_Full	22.72	/	/	25.43	/	/	<=38.45	Pass
		Inner_1RB_Left	22.81	/	/	25.52	/	/	<=38.45	Pass
		Inner_1RB_Right	22.16	/	/	24.87	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.50	/	/	24.21	/	/	<=38.45	Pass
		Edge_1RB_Right	21.01	/	/	23.72	/	/	<=38.45	Pass
		Outer_Full	21.49	/	/	24.2	/	/	<=38.45	Pass
		Inner_Full	22.53	/	/	25.24	/	/	<=38.45	Pass
		Inner_1RB_Left	22.56	/	/	25.27	/	/	<=38.45	Pass
		Inner_1RB_Right	22.08	/	/	24.79	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	21.50	/	/	24.21	/	/	<=38.45	Pass
		Edge_1RB_Right	21.47	/	/	24.18	/	/	<=38.45	Pass
		Outer_Full	21.30	/	/	24.01	/	/	<=38.45	Pass
		Inner_Full	21.35	/	/	24.06	/	/	<=38.45	Pass
		Inner_1RB_Left	21.38	/	/	24.09	/	/	<=38.45	Pass
		Inner_1RB_Right	21.20	/	/	23.91	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.45	/	/	24.16	/	/	<=38.45	Pass
		Edge_1RB_Right	21.03	/	/	23.74	/	/	<=38.45	Pass



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		Outer_Full	21.34	/	/	24.05	/	/	<=38.45	Pass
		Inner_Full	21.32	/	/	24.03	/	/	<=38.45	Pass
		Inner_1RB_Left	21.60	/	/	24.31	/	/	<=38.45	Pass
		Inner_1RB_Right	20.98	/	/	23.69	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.16	/	/	23.87	/	/	<=38.45	Pass
		Edge_1RB_Right	21.08	/	/	23.79	/	/	<=38.45	Pass
		Outer_Full	21.13	/	/	23.84	/	/	<=38.45	Pass
		Inner_Full	21.08	/	/	23.79	/	/	<=38.45	Pass
		Inner_1RB_Left	21.18	/	/	23.89	/	/	<=38.45	Pass
		Inner_1RB_Right	20.91	/	/	23.62	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Edge_1RB_Left	18.53	/	/	21.24	/	/	<=38.45	Pass
		Edge_1RB_Right	18.18	/	/	20.89	/	/	<=38.45	Pass
		Outer_Full	18.31	/	/	21.02	/	/	<=38.45	Pass
		Inner_Full	18.34	/	/	21.05	/	/	<=38.45	Pass
		Inner_1RB_Left	18.67	/	/	21.38	/	/	<=38.45	Pass
		Inner_1RB_Right	18.11	/	/	20.82	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.44	/	/	21.15	/	/	<=38.45	Pass
		Edge_1RB_Right	18.10	/	/	20.81	/	/	<=38.45	Pass
		Outer_Full	18.33	/	/	21.04	/	/	<=38.45	Pass
		Inner_Full	18.35	/	/	21.06	/	/	<=38.45	Pass
		Inner_1RB_Left	18.35	/	/	21.06	/	/	<=38.45	Pass
		Inner_1RB_Right	17.92	/	/	20.63	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	18.62	/	/	21.33	/	/	<=38.45	Pass
		Edge_1RB_Right	17.95	/	/	20.66	/	/	<=38.45	Pass
		Outer_Full	18.13	/	/	20.84	/	/	<=38.45	Pass
		Inner_Full	18.10	/	/	20.81	/	/	<=38.45	Pass
		Inner_1RB_Left	18.33	/	/	21.04	/	/	<=38.45	Pass
		Inner_1RB_Right	17.88	/	/	20.59	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: 4.86dBi;										
Note2: ERP=Conducted Power+Antenna Gain-2.15										

### 1.1.4 15k\_SISO\_20MHz\_NTNV\_ERP

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	23.69	/	/	26.4	/	/	<=38.45	Pass
		Edge_1RB_Right	23.50	/	/	26.21	/	/	<=38.45	Pass



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		Outer_Full	23.70	/	/	26.41	/	/	<=38.45	Pass
		Inner_Full	23.84	/	/	26.55	/	/	<=38.45	Pass
		Inner_1RB_Left	23.73	/	/	26.44	/	/	<=38.45	Pass
		Inner_1RB_Right	23.43	/	/	26.14	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.73	/	/	26.44	/	/	<=38.45	Pass
		Edge_1RB_Right	23.39	/	/	26.1	/	/	<=38.45	Pass
		Outer_Full	23.73	/	/	26.44	/	/	<=38.45	Pass
		Inner_Full	23.87	/	/	26.58	/	/	<=38.45	Pass
		Inner_1RB_Left	23.84	/	/	26.55	/	/	<=38.45	Pass
		Inner_1RB_Right	23.39	/	/	26.1	/	/	<=38.45	Pass
	839	Edge_1RB_Left	23.84	/	/	26.55	/	/	<=38.45	Pass
		Edge_1RB_Right	23.28	/	/	25.99	/	/	<=38.45	Pass
		Outer_Full	23.65	/	/	26.36	/	/	<=38.45	Pass
		Inner_Full	23.71	/	/	26.42	/	/	<=38.45	Pass
		Inner_1RB_Left	23.84	/	/	26.55	/	/	<=38.45	Pass
		Inner_1RB_Right	23.30	/	/	26.01	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	834	Edge_1RB_Left	23.67	/	/	26.38	/	/	<=38.45	Pass
		Edge_1RB_Right	23.43	/	/	26.14	/	/	<=38.45	Pass
		Outer_Full	23.69	/	/	26.4	/	/	<=38.45	Pass
		Inner_Full	23.81	/	/	26.52	/	/	<=38.45	Pass
		Inner_1RB_Left	23.68	/	/	26.39	/	/	<=38.45	Pass
		Inner_1RB_Right	23.46	/	/	26.17	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	23.81	/	/	26.52	/	/	<=38.45	Pass
		Edge_1RB_Right	23.38	/	/	26.09	/	/	<=38.45	Pass
		Outer_Full	23.79	/	/	26.5	/	/	<=38.45	Pass
		Inner_Full	23.74	/	/	26.45	/	/	<=38.45	Pass
		Inner_1RB_Left	23.75	/	/	26.46	/	/	<=38.45	Pass
		Inner_1RB_Right	23.34	/	/	26.05	/	/	<=38.45	Pass
	839	Edge_1RB_Left	23.75	/	/	26.46	/	/	<=38.45	Pass
		Edge_1RB_Right	23.39	/	/	26.1	/	/	<=38.45	Pass
		Outer_Full	23.76	/	/	26.47	/	/	<=38.45	Pass
		Inner_Full	23.72	/	/	26.43	/	/	<=38.45	Pass
		Inner_1RB_Left	23.80	/	/	26.51	/	/	<=38.45	Pass
		Inner_1RB_Right	23.24	/	/	25.95	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge_1RB_Left	22.70	/	/	25.41	/	/	<=38.45	Pass
		Edge_1RB_Right	22.54	/	/	25.25	/	/	<=38.45	Pass
		Outer_Full	22.69	/	/	25.4	/	/	<=38.45	Pass





		Inner_Full	23.76	/	/	26.47	/	/	<=38.45	Pass
		Inner_1RB_Left	23.86	/	/	26.57	/	/	<=38.45	Pass
		Inner_1RB_Right	23.33	/	/	26.04	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.65	/	/	25.36	/	/	<=38.45	Pass
		Edge_1RB_Right	22.29	/	/	25	/	/	<=38.45	Pass
		Outer_Full	22.81	/	/	25.52	/	/	<=38.45	Pass
		Inner_Full	23.81	/	/	26.52	/	/	<=38.45	Pass
		Inner_1RB_Left	23.80	/	/	26.51	/	/	<=38.45	Pass
		Inner_1RB_Right	23.34	/	/	26.05	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.88	/	/	25.59	/	/	<=38.45	Pass
		Edge_1RB_Right	22.03	/	/	24.74	/	/	<=38.45	Pass
		Outer_Full	22.78	/	/	25.49	/	/	<=38.45	Pass
		Inner_Full	23.73	/	/	26.44	/	/	<=38.45	Pass
		Inner_1RB_Left	23.54	/	/	26.25	/	/	<=38.45	Pass
		Inner_1RB_Right	22.95	/	/	25.66	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Edge_1RB_Left	22.24	/	/	24.95	/	/	<=38.45	Pass
		Edge_1RB_Right	21.93	/	/	24.64	/	/	<=38.45	Pass
		Outer_Full	22.24	/	/	24.95	/	/	<=38.45	Pass
		Inner_Full	22.24	/	/	24.95	/	/	<=38.45	Pass
		Inner_1RB_Left	21.99	/	/	24.7	/	/	<=38.45	Pass
		Inner_1RB_Right	21.81	/	/	24.52	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.31	/	/	25.02	/	/	<=38.45	Pass
		Edge_1RB_Right	21.80	/	/	24.51	/	/	<=38.45	Pass
		Outer_Full	22.37	/	/	25.08	/	/	<=38.45	Pass
		Inner_Full	22.32	/	/	25.03	/	/	<=38.45	Pass
		Inner_1RB_Left	22.36	/	/	25.07	/	/	<=38.45	Pass
		Inner_1RB_Right	21.82	/	/	24.53	/	/	<=38.45	Pass
	839	Edge_1RB_Left	22.33	/	/	25.04	/	/	<=38.45	Pass
		Edge_1RB_Right	21.68	/	/	24.39	/	/	<=38.45	Pass
		Outer_Full	22.27	/	/	24.98	/	/	<=38.45	Pass
		Inner_Full	22.24	/	/	24.95	/	/	<=38.45	Pass
		Inner_1RB_Left	22.23	/	/	24.94	/	/	<=38.45	Pass
		Inner_1RB_Right	21.85	/	/	24.56	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge_1RB_Left	20.24	/	/	22.95	/	/	<=38.45	Pass
		Edge_1RB_Right	20.00	/	/	22.71	/	/	<=38.45	Pass
		Outer_Full	20.25	/	/	22.96	/	/	<=38.45	Pass
		Inner_Full	20.22	/	/	22.93	/	/	<=38.45	Pass



		Inner_1RB_Left	20.25	/	/	22.96	/	/	<=38.45	Pass
		Inner_1RB_Right	19.97	/	/	22.68	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.41	/	/	23.12	/	/	<=38.45	Pass
		Edge_1RB_Right	20.08	/	/	22.79	/	/	<=38.45	Pass
		Outer_Full	20.35	/	/	23.06	/	/	<=38.45	Pass
		Inner_Full	20.32	/	/	23.03	/	/	<=38.45	Pass
		Inner_1RB_Left	20.39	/	/	23.1	/	/	<=38.45	Pass
		Inner_1RB_Right	20.02	/	/	22.73	/	/	<=38.45	Pass
	839	Edge_1RB_Left	20.39	/	/	23.1	/	/	<=38.45	Pass
		Edge_1RB_Right	20.05	/	/	22.76	/	/	<=38.45	Pass
		Outer_Full	20.13	/	/	22.84	/	/	<=38.45	Pass
		Inner_Full	20.29	/	/	23	/	/	<=38.45	Pass
		Inner_1RB_Left	20.14	/	/	22.85	/	/	<=38.45	Pass
		Inner_1RB_Right	19.88	/	/	22.59	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge_1RB_Left	21.85	/	/	24.56	/	/	<=38.45	Pass
		Edge_1RB_Right	21.52	/	/	24.23	/	/	<=38.45	Pass
		Outer_Full	21.73	/	/	24.44	/	/	<=38.45	Pass
		Inner_Full	23.30	/	/	26.01	/	/	<=38.45	Pass
		Inner_1RB_Left	23.27	/	/	25.98	/	/	<=38.45	Pass
		Inner_1RB_Right	22.67	/	/	25.38	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.88	/	/	24.59	/	/	<=38.45	Pass
		Edge_1RB_Right	21.43	/	/	24.14	/	/	<=38.45	Pass
		Outer_Full	21.78	/	/	24.49	/	/	<=38.45	Pass
		Inner_Full	23.25	/	/	25.96	/	/	<=38.45	Pass
		Inner_1RB_Left	23.29	/	/	26	/	/	<=38.45	Pass
		Inner_1RB_Right	22.88	/	/	25.59	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.84	/	/	24.55	/	/	<=38.45	Pass
		Edge_1RB_Right	21.58	/	/	24.29	/	/	<=38.45	Pass
		Outer_Full	21.74	/	/	24.45	/	/	<=38.45	Pass
		Inner_Full	23.15	/	/	25.86	/	/	<=38.45	Pass
		Inner_1RB_Left	23.19	/	/	25.9	/	/	<=38.45	Pass
		Inner_1RB_Right	22.56	/	/	25.27	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge_1RB_Left	21.56	/	/	24.27	/	/	<=38.45	Pass
		Edge_1RB_Right	21.37	/	/	24.08	/	/	<=38.45	Pass
		Outer_Full	21.67	/	/	24.38	/	/	<=38.45	Pass
		Inner_Full	22.69	/	/	25.4	/	/	<=38.45	Pass
		Inner_1RB_Left	22.58	/	/	25.29	/	/	<=38.45	Pass



	836.5	Inner_1RB_Right	22.32	/	/	25.03	/	/	<=38.45	Pass
		Edge_1RB_Left	21.96	/	/	24.67	/	/	<=38.45	Pass
		Edge_1RB_Right	21.58	/	/	24.29	/	/	<=38.45	Pass
		Outer_Full	21.75	/	/	24.46	/	/	<=38.45	Pass
		Inner_Full	22.81	/	/	25.52	/	/	<=38.45	Pass
		Inner_1RB_Left	22.70	/	/	25.41	/	/	<=38.45	Pass
		Inner_1RB_Right	21.83	/	/	24.54	/	/	<=38.45	Pass
		Edge_1RB_Left	21.74	/	/	24.45	/	/	<=38.45	Pass
		Edge_1RB_Right	21.27	/	/	23.98	/	/	<=38.45	Pass
		Outer_Full	21.64	/	/	24.35	/	/	<=38.45	Pass
		Inner_Full	22.66	/	/	25.37	/	/	<=38.45	Pass
		Inner_1RB_Left	22.63	/	/	25.34	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge_1RB_Left	21.33	/	/	24.04	/	/	<=38.45	Pass
		Edge_1RB_Right	20.83	/	/	23.54	/	/	<=38.45	Pass
		Outer_Full	21.23	/	/	23.94	/	/	<=38.45	Pass
		Inner_Full	21.22	/	/	23.93	/	/	<=38.45	Pass
		Inner_1RB_Left	21.23	/	/	23.94	/	/	<=38.45	Pass
		Inner_1RB_Right	20.77	/	/	23.48	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.81	/	/	24.52	/	/	<=38.45	Pass
		Edge_1RB_Right	20.82	/	/	23.53	/	/	<=38.45	Pass
		Outer_Full	21.36	/	/	24.07	/	/	<=38.45	Pass
		Inner_Full	21.30	/	/	24.01	/	/	<=38.45	Pass
		Inner_1RB_Left	21.38	/	/	24.09	/	/	<=38.45	Pass
		Inner_1RB_Right	20.63	/	/	23.34	/	/	<=38.45	Pass
	839	Edge_1RB_Left	21.50	/	/	24.21	/	/	<=38.45	Pass
		Edge_1RB_Right	20.84	/	/	23.55	/	/	<=38.45	Pass
		Outer_Full	21.16	/	/	23.87	/	/	<=38.45	Pass
		Inner_Full	21.21	/	/	23.92	/	/	<=38.45	Pass
		Inner_1RB_Left	21.13	/	/	23.84	/	/	<=38.45	Pass
		Inner_1RB_Right	20.69	/	/	23.4	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Edge_1RB_Left	18.09	/	/	20.8	/	/	<=38.45	Pass
		Edge_1RB_Right	18.04	/	/	20.75	/	/	<=38.45	Pass
		Outer_Full	18.26	/	/	20.97	/	/	<=38.45	Pass
		Inner_Full	18.26	/	/	20.97	/	/	<=38.45	Pass
		Inner_1RB_Left	18.38	/	/	21.09	/	/	<=38.45	Pass
		Inner_1RB_Right	17.92	/	/	20.63	/	/	<=38.45	Pass



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	836.5	Edge_1RB_Left	18.47	/	/	21.18	/	/	<=38.45	Pass
		Edge_1RB_Right	17.96	/	/	20.67	/	/	<=38.45	Pass
		Outer_Full	18.26	/	/	20.97	/	/	<=38.45	Pass
		Inner_Full	18.33	/	/	21.04	/	/	<=38.45	Pass
		Inner_1RB_Left	18.45	/	/	21.16	/	/	<=38.45	Pass
		Inner_1RB_Right	17.57	/	/	20.28	/	/	<=38.45	Pass
	839	Edge_1RB_Left	18.51	/	/	21.22	/	/	<=38.45	Pass
		Edge_1RB_Right	17.97	/	/	20.68	/	/	<=38.45	Pass
		Outer_Full	18.20	/	/	20.91	/	/	<=38.45	Pass
		Inner_Full	18.24	/	/	20.95	/	/	<=38.45	Pass
		Inner_1RB_Left	18.37	/	/	21.08	/	/	<=38.45	Pass
		Inner_1RB_Right	17.81	/	/	20.52	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: 4.86dBi;										
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	-12.70	-0.0152	>=-2.5 & <=2.5	Pass
				HV	3.20	0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-51.20	-0.0612	>=-2.5 & <=2.5	Pass
			-20	NV	-15.60	-0.0186	>=-2.5 & <=2.5	Pass
			-10	NV	-13.60	-0.0163	>=-2.5 & <=2.5	Pass
			0	NV	-25.60	-0.0306	>=-2.5 & <=2.5	Pass
			10	NV	-12.90	-0.0154	>=-2.5 & <=2.5	Pass
			20	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			30	NV	-35.40	-0.0423	>=-2.5 & <=2.5	Pass
			40	NV	-18.00	-0.0215	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-18.10	-0.0216	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass





			-30	NV	-39.60	-0.0473	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-1.10	-0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-5.30	-0.0063	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-14.10	-0.0169	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-12.20	-0.0146	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-13.50	-0.0161	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-26.10	-0.0312	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-30.40	-0.0363	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-10.60	-0.0127	$\geq -2.5$ & $\leq 2.5$	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-7.50	-0.0090	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-27.50	-0.0329	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-7.80	-0.0093	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-2.90	-0.0035	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-11.60	-0.0139	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-7.40	-0.0088	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-5.40	-0.0065	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-28.20	-0.0337	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	1.70	0.0020	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-11.30	-0.0135	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-6.10	-0.0073	$\geq -2.5$ & $\leq 2.5$	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-11.80	-0.0141	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-18.70	-0.0224	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-8.90	-0.0106	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-7.70	-0.0092	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-10.30	-0.0123	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-18.80	-0.0225	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-12.20	-0.0146	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-23.20	-0.0277	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-9.10	-0.0109	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-13.40	-0.0160	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-13.20	-0.0158	$\geq -2.5$ & $\leq 2.5$	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-3.20	-0.0038	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-7.60	-0.0091	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-4.50	-0.0054	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-2.50	-0.0030	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-2.10	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-9.80	-0.0117	$\geq -2.5$ & $\leq 2.5$	Pass



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			10	NV	-3.20	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-11.00	-0.0132	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0051	>=-2.5 & <=2.5	Pass
			-30	NV	-41.10	-0.0491	>=-2.5 & <=2.5	Pass
			-20	NV	-11.10	-0.0133	>=-2.5 & <=2.5	Pass
			-10	NV	-8.40	-0.0100	>=-2.5 & <=2.5	Pass
			0	NV	-11.80	-0.0141	>=-2.5 & <=2.5	Pass
			10	NV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
			20	NV	6.40	0.0077	>=-2.5 & <=2.5	Pass
			30	NV	-51.20	-0.0612	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			50	NV	6.90	0.0082	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	3.50	0.0042	>=-2.5 & <=2.5	Pass
				HV	-32.50	-0.0389	>=-2.5 & <=2.5	Pass
			-30	NV	-9.50	-0.0114	>=-2.5 & <=2.5	Pass
			-20	NV	-10.90	-0.0130	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0059	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0062	>=-2.5 & <=2.5	Pass
			30	NV	-11.30	-0.0135	>=-2.5 & <=2.5	Pass
			40	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-14.80	-0.0177	>=-2.5 & <=2.5	Pass
				HV	-1.10	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-18.50	-0.0221	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			20	NV	-11.50	-0.0137	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			40	NV	-15.40	-0.0184	>=-2.5 & <=2.5	Pass



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			50	NV	-12.70	-0.0152	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	2.80	0.0033	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-8.50	-0.0102	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-4.80	-0.0057	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-4.20	-0.0050	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-4.30	-0.0051	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-6.40	-0.0077	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-5.80	-0.0069	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-3.50	-0.0042	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-1.60	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-5.90	-0.0071	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-5.80	-0.0069	$\geq -2.5$ & $\leq 2.5$	Pass

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 15k\_SISO\_5MHz\_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	826.5	Outer_Full	4.58	5.25	/	Pass
	836.5	Outer_Full	4.56	5.24	/	Pass
	846.5	Outer_Full	4.56	5.24	/	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	4.56	5.37	/	Pass
	836.5	Outer_Full	4.57	5.35	/	Pass
	846.5	Outer_Full	4.57	5.39	/	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	4.56	5.40	/	Pass
	836.5	Outer_Full	4.57	5.30	/	Pass
	846.5	Outer_Full	4.58	5.42	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.57	5.36	/	Pass
	836.5	Outer_Full	4.58	5.40	/	Pass
	846.5	Outer_Full	4.58	5.36	/	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	4.54	5.24	/	Pass
	836.5	Outer_Full	4.55	5.32	/	Pass
	846.5	Outer_Full	4.57	5.47	/	Pass



CP-OFDM QPSK	826.5	Outer_Full	4.53	5.43	/	Pass
	836.5	Outer_Full	4.55	5.35	/	Pass
	846.5	Outer_Full	4.55	5.24	/	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	4.55	5.35	/	Pass
	836.5	Outer_Full	4.54	5.29	/	Pass
	846.5	Outer_Full	4.57	5.30	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.56	5.37	/	Pass
	836.5	Outer_Full	4.55	5.28	/	Pass
	846.5	Outer_Full	4.55	5.39	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.57	5.32	/	Pass
	836.5	Outer_Full	4.55	5.36	/	Pass
	846.5	Outer_Full	4.57	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	9.06	9.99	/	Pass
	836.5	Outer_Full	9.09	9.82	/	Pass
	844	Outer_Full	9.08	9.98	/	Pass
DFT-s-OFDM QPSK	829	Outer_Full	9.09	9.99	/	Pass
	836.5	Outer_Full	9.03	10.00	/	Pass
	844	Outer_Full	9.04	10.04	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.06	10.02	/	Pass
	836.5	Outer_Full	9.05	9.98	/	Pass
	844	Outer_Full	9.07	10.13	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	9.05	9.99	/	Pass
	836.5	Outer_Full	9.05	10.06	/	Pass
	844	Outer_Full	9.05	10.11	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.03	9.93	/	Pass
	836.5	Outer_Full	9.06	10.08	/	Pass
	844	Outer_Full	9.09	9.98	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.38	10.39	/	Pass
	836.5	Outer_Full	9.40	10.40	/	Pass
	844	Outer_Full	9.42	10.46	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	9.38	10.31	/	Pass
	836.5	Outer_Full	9.41	10.34	/	Pass



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	844	Outer_Full	9.38	10.34	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	9.39	10.46	/	Pass
	836.5	Outer_Full	9.40	10.42	/	Pass
	844	Outer_Full	9.40	10.42	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	9.41	10.45	/	Pass
	836.5	Outer_Full	9.38	10.42	/	Pass
	844	Outer_Full	9.39	10.41	/	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	13.61	14.75	/	Pass
	836.5	Outer_Full	13.59	14.74	/	Pass
	841.5	Outer_Full	13.58	14.73	/	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	13.60	14.69	/	Pass
	836.5	Outer_Full	13.60	14.66	/	Pass
	841.5	Outer_Full	13.56	14.81	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.60	14.89	/	Pass
	836.5	Outer_Full	13.59	14.78	/	Pass
	841.5	Outer_Full	13.55	14.79	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.59	14.86	/	Pass
	836.5	Outer_Full	13.55	14.75	/	Pass
	841.5	Outer_Full	13.56	14.72	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.59	14.69	/	Pass
	836.5	Outer_Full	13.62	14.55	/	Pass
	841.5	Outer_Full	13.60	14.78	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	14.27	15.54	/	Pass
	836.5	Outer_Full	14.27	15.58	/	Pass
	841.5	Outer_Full	14.25	15.49	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.28	15.67	/	Pass
	836.5	Outer_Full	14.26	15.49	/	Pass
	841.5	Outer_Full	14.27	15.49	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.37	16.15	/	Pass
	836.5	Outer_Full	14.29	15.61	/	Pass
	841.5	Outer_Full	14.24	15.51	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	14.25	15.49	/	Pass



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	836.5	Outer_Full	14.25	15.47	/	Pass
	841.5	Outer_Full	14.27	15.38	/	Pass

### 3.1.4 15k\_SISO\_20MHz\_NTNV

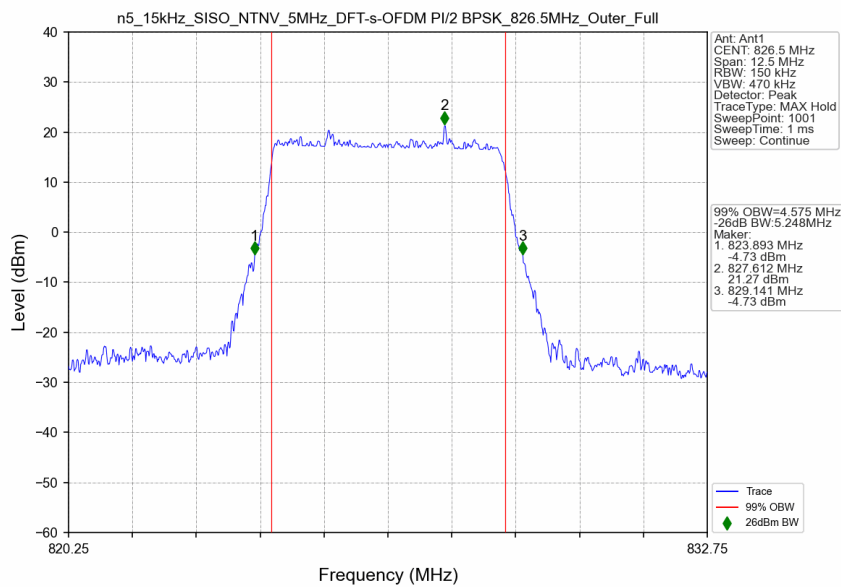
5G NR n5 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	18.09	19.47	/	Pass
	836.5	Outer_Full	18.07	19.54	/	Pass
	839	Outer_Full	18.07	19.56	/	Pass
DFT-s-OFDM QPSK	834	Outer_Full	18.08	19.46	/	Pass
	836.5	Outer_Full	18.05	19.54	/	Pass
	839	Outer_Full	18.06	19.54	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.07	19.55	/	Pass
	836.5	Outer_Full	18.04	19.48	/	Pass
	839	Outer_Full	18.07	19.50	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.04	19.54	/	Pass
	836.5	Outer_Full	18.06	19.62	/	Pass
	839	Outer_Full	18.02	19.48	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.06	19.36	/	Pass
	836.5	Outer_Full	18.05	19.52	/	Pass
	839	Outer_Full	18.01	19.49	/	Pass
CP-OFDM QPSK	834	Outer_Full	19.13	20.80	/	Pass
	836.5	Outer_Full	19.08	21.29	/	Pass
	839	Outer_Full	19.09	21.31	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	19.14	20.67	/	Pass
	836.5	Outer_Full	19.09	20.66	/	Pass
	839	Outer_Full	19.09	20.53	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	19.11	20.93	/	Pass
	836.5	Outer_Full	19.07	20.87	/	Pass
	839	Outer_Full	19.09	21.32	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	19.10	20.50	/	Pass
	836.5	Outer_Full	19.04	20.52	/	Pass
	839	Outer_Full	19.06	20.57	/	Pass



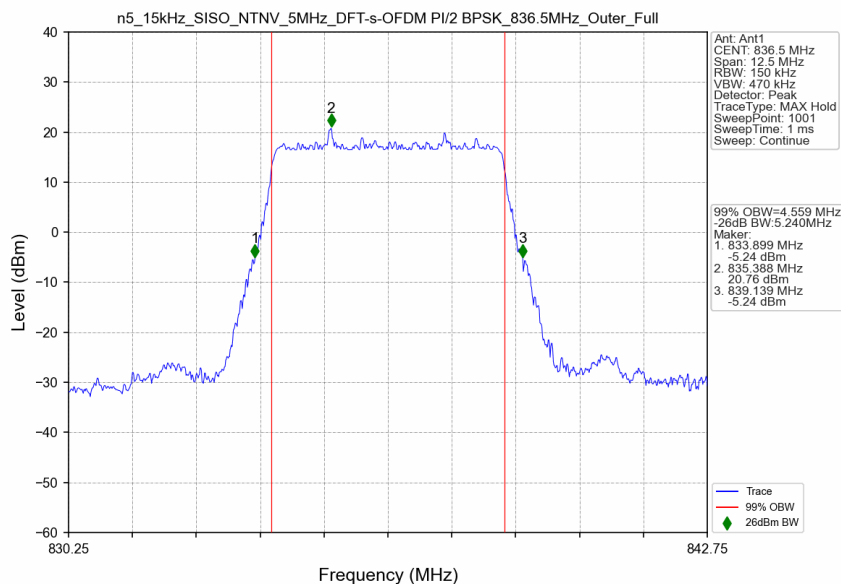
### 3.2 Test Graph

#### 3.2.1 15k\_SISO\_5MHz\_NTNV

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

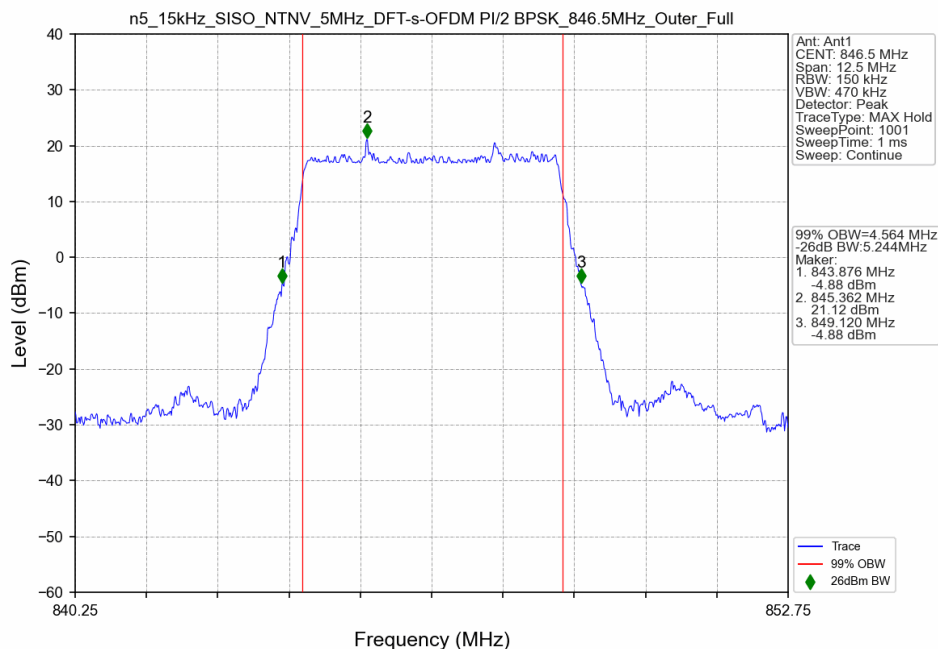


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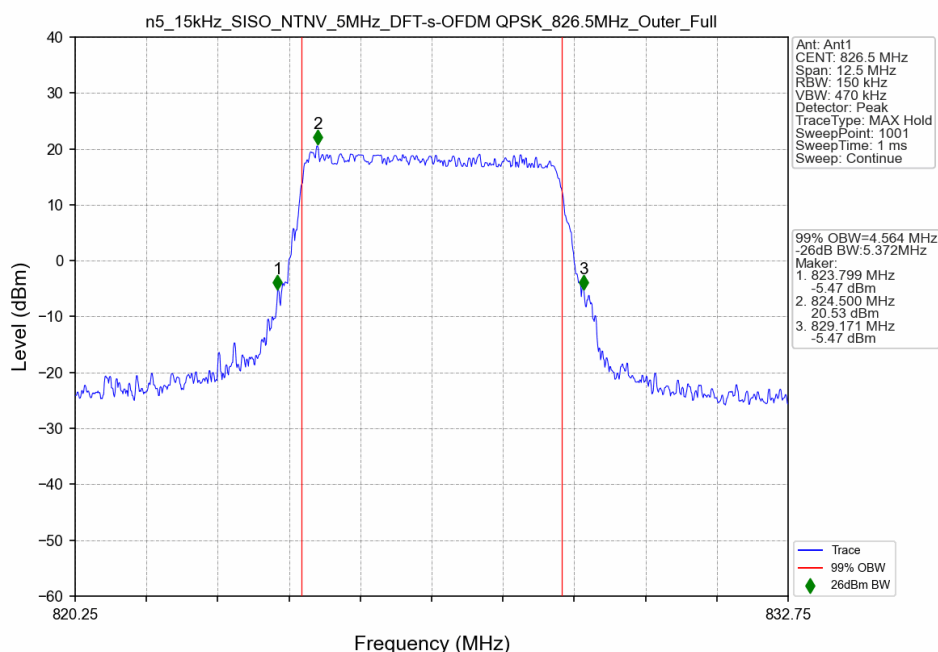
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### n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_846.5MHz\_Outer\_Full



### n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_826.5MHz\_Outer\_Full



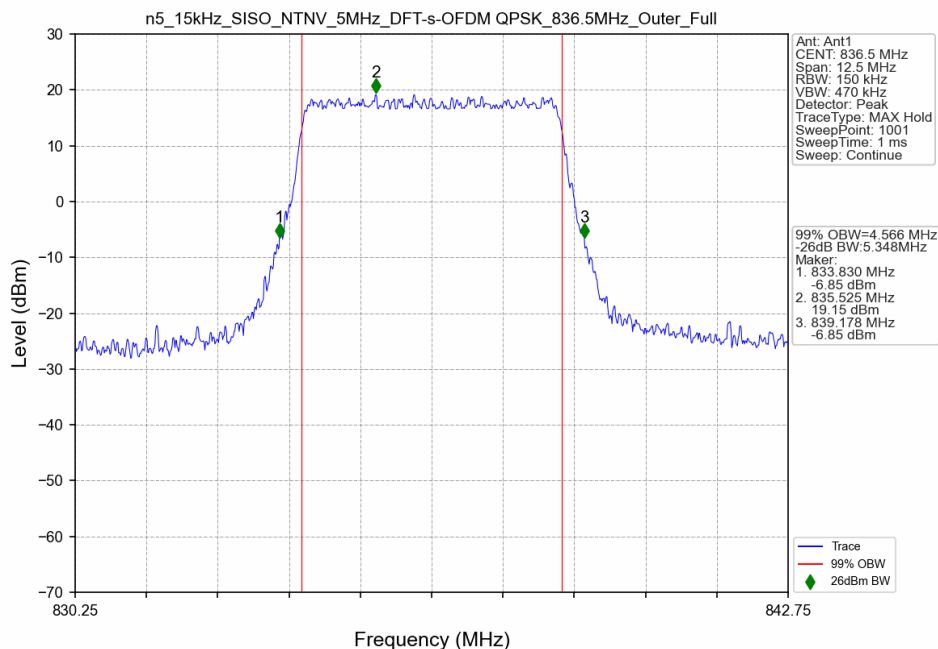
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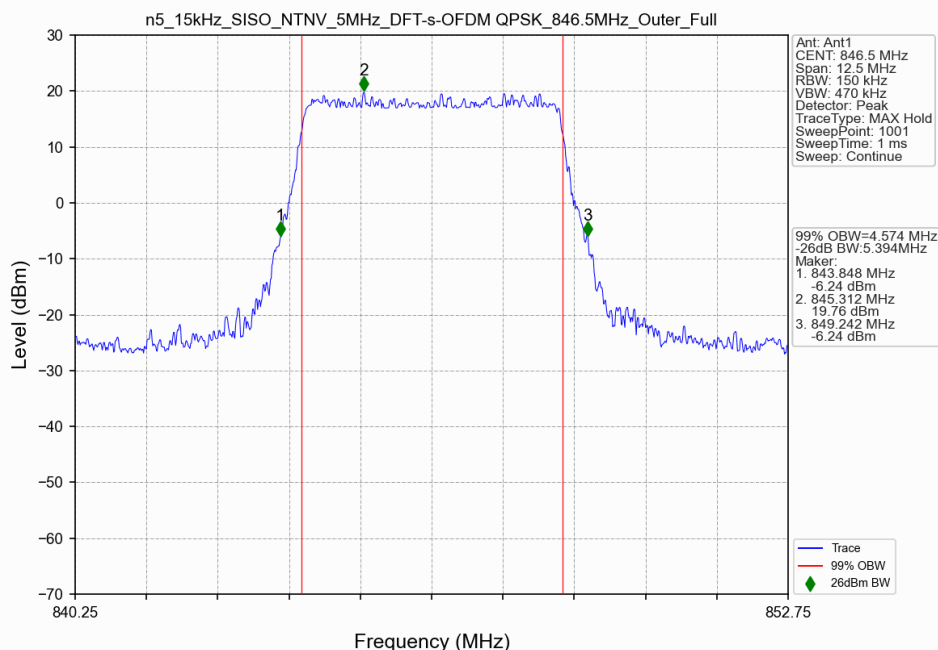
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n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_836.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_846.5MHz\_Outer\_Full

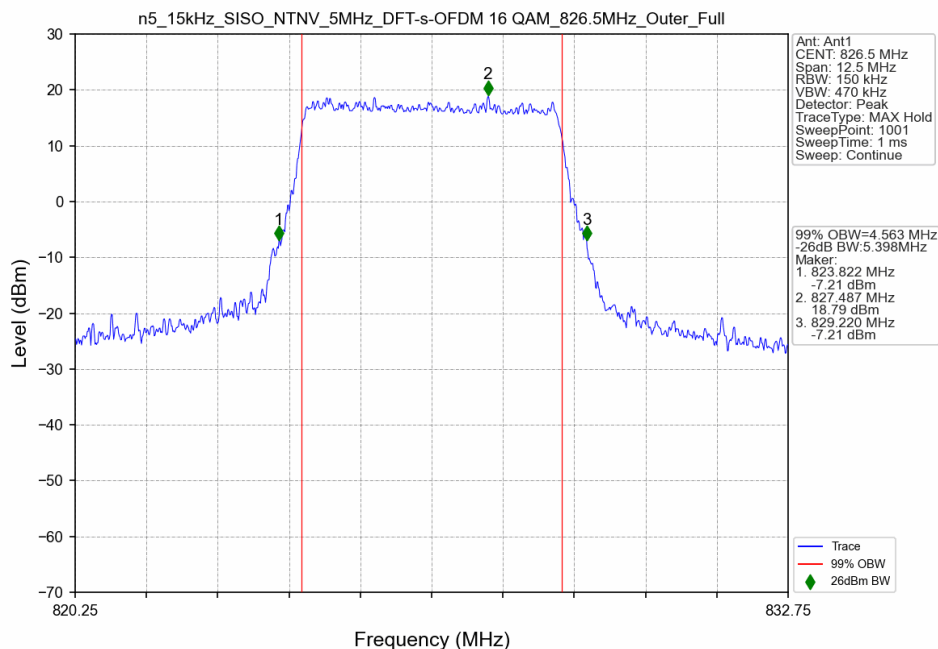


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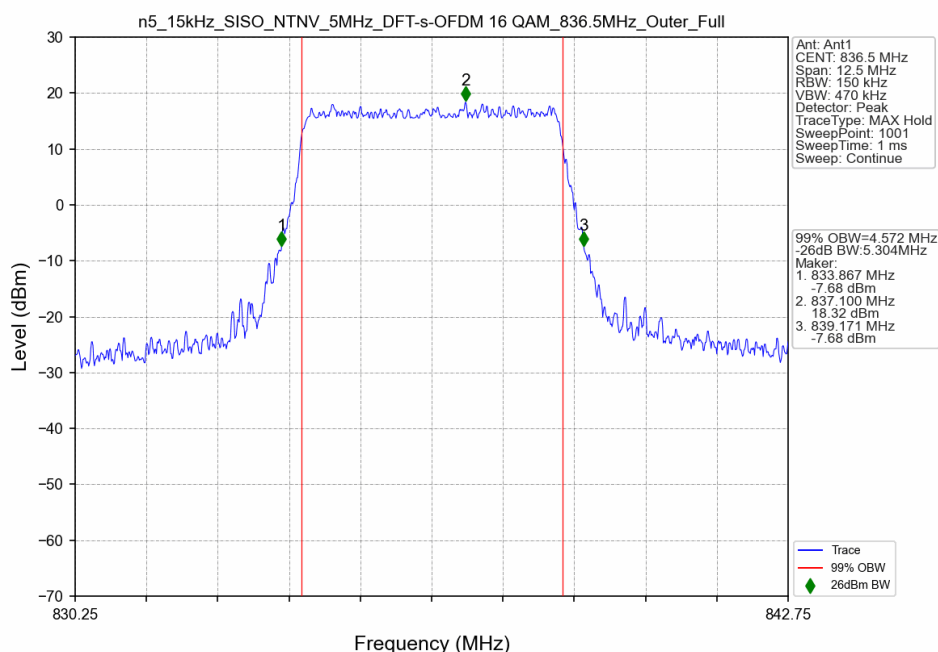
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n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_826.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_836.5MHz\_Outer\_Full

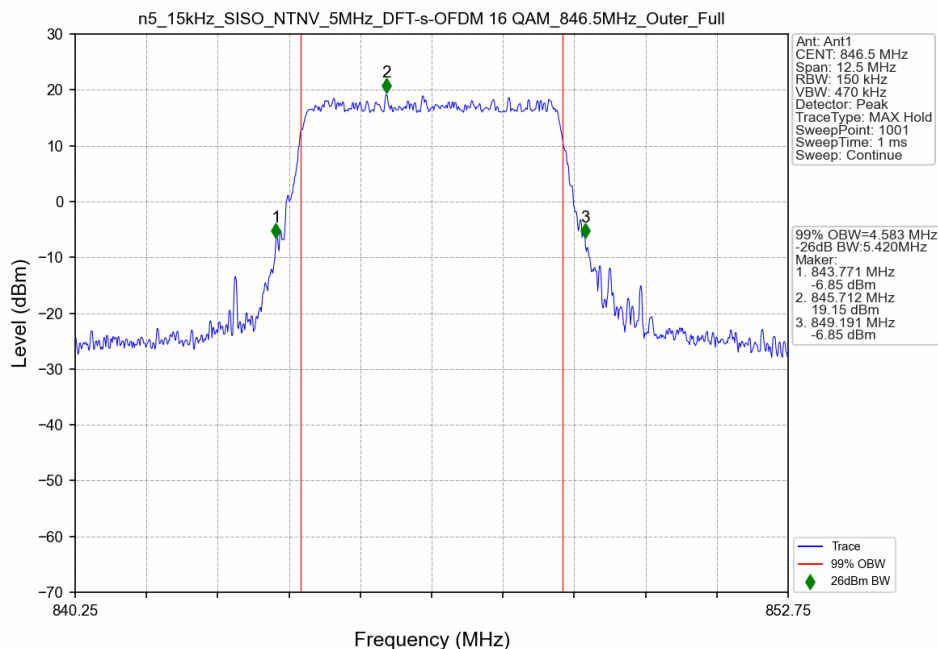


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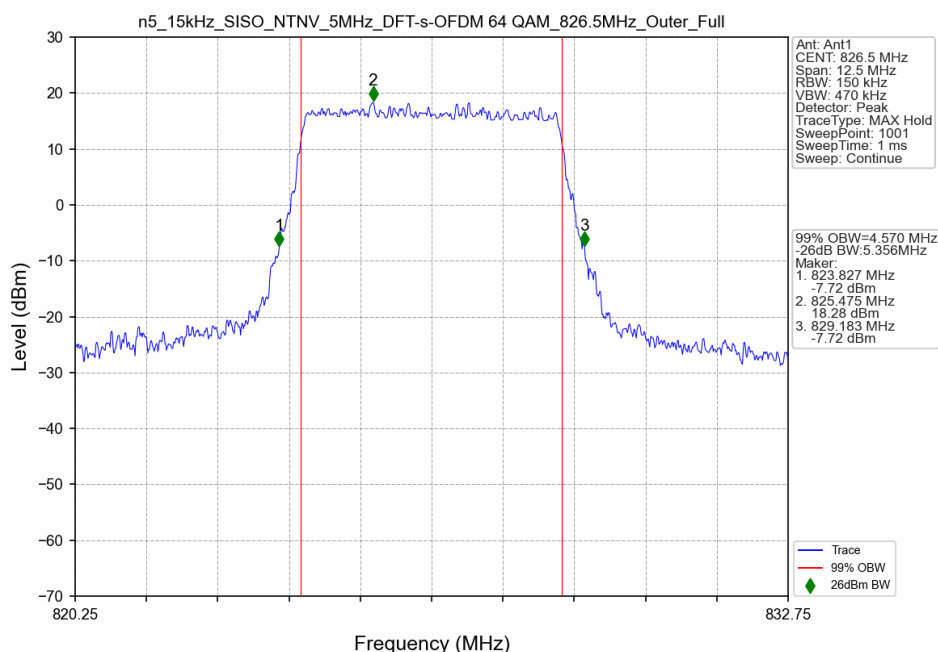
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n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_846.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 64 QAM\_826.5MHz\_Outer\_Full

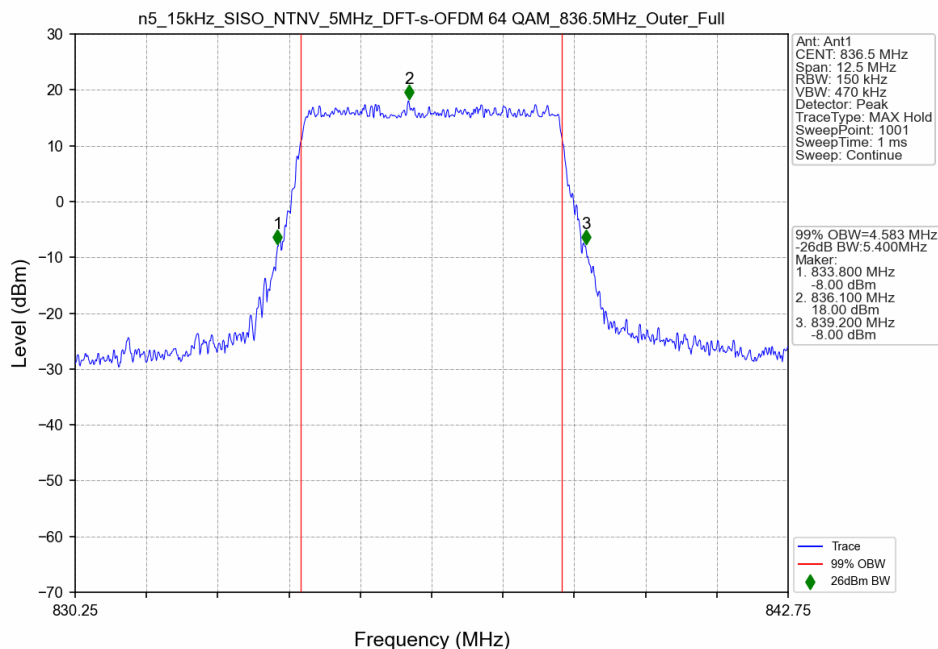


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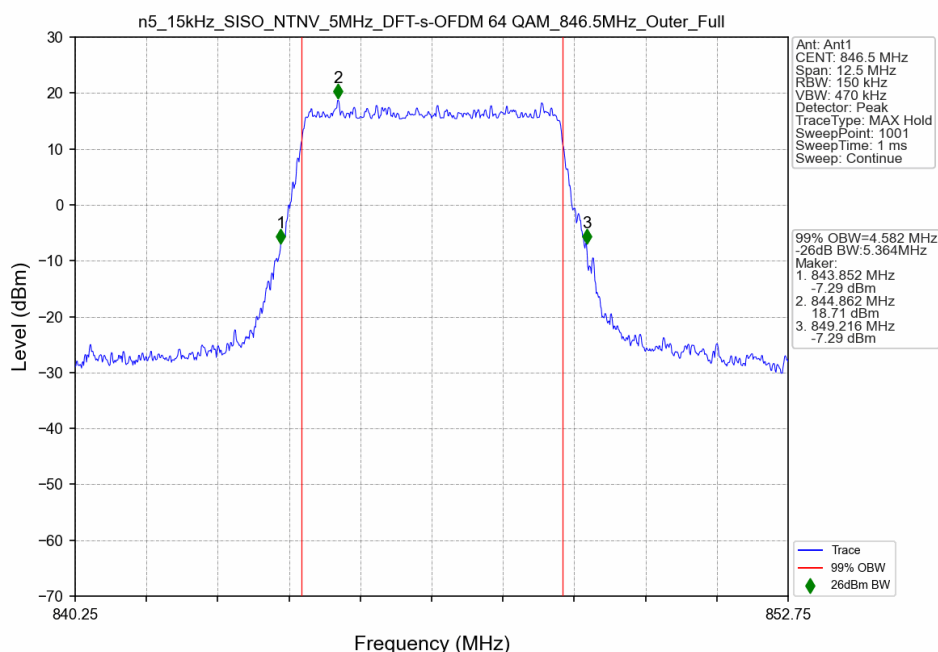
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n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 64 QAM\_836.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 64 QAM\_846.5MHz\_Outer\_Full



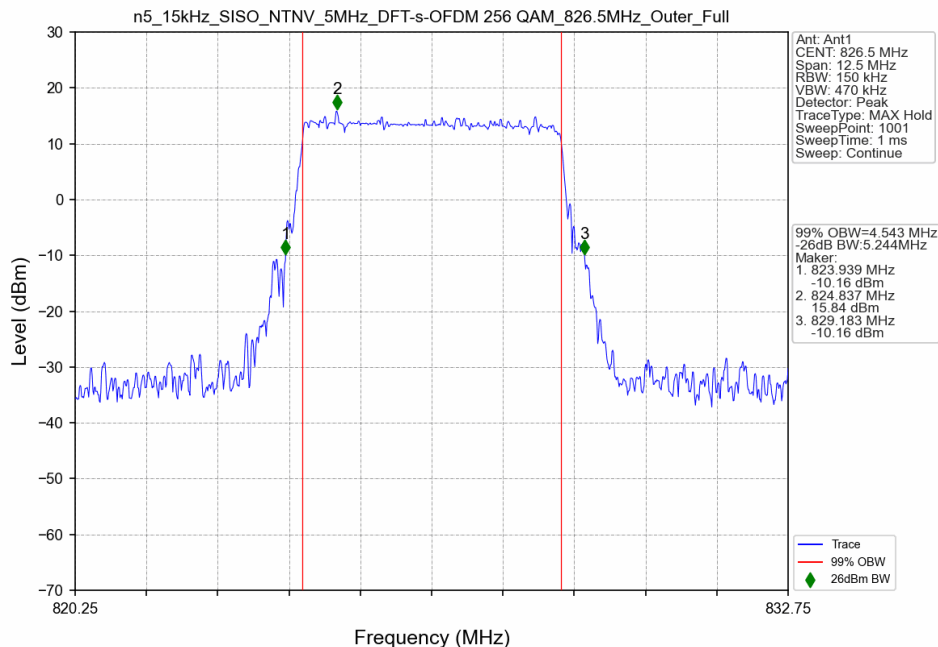
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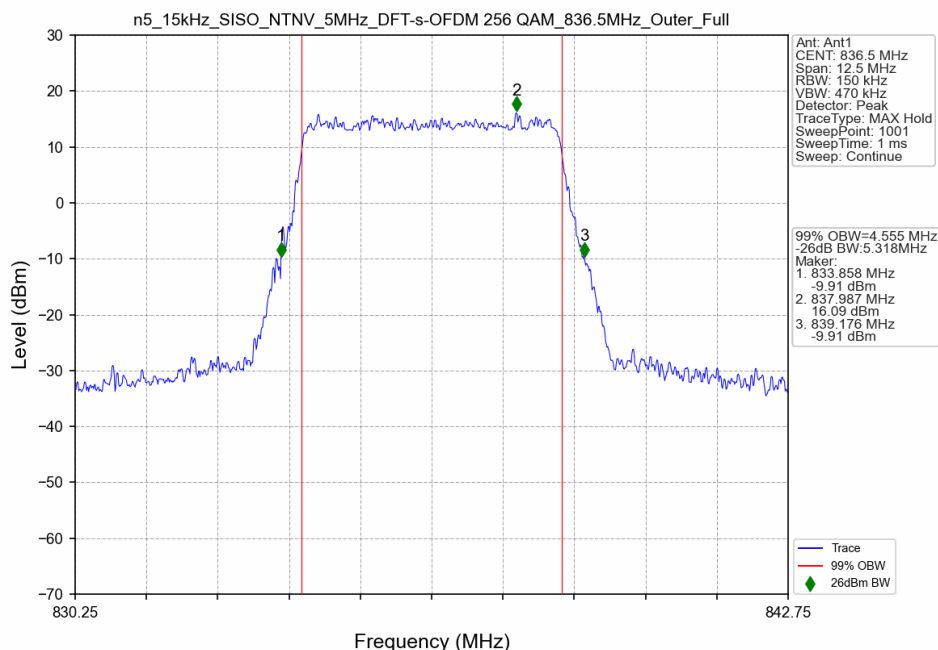
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n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 256 QAM\_826.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 256 QAM\_836.5MHz\_Outer\_Full

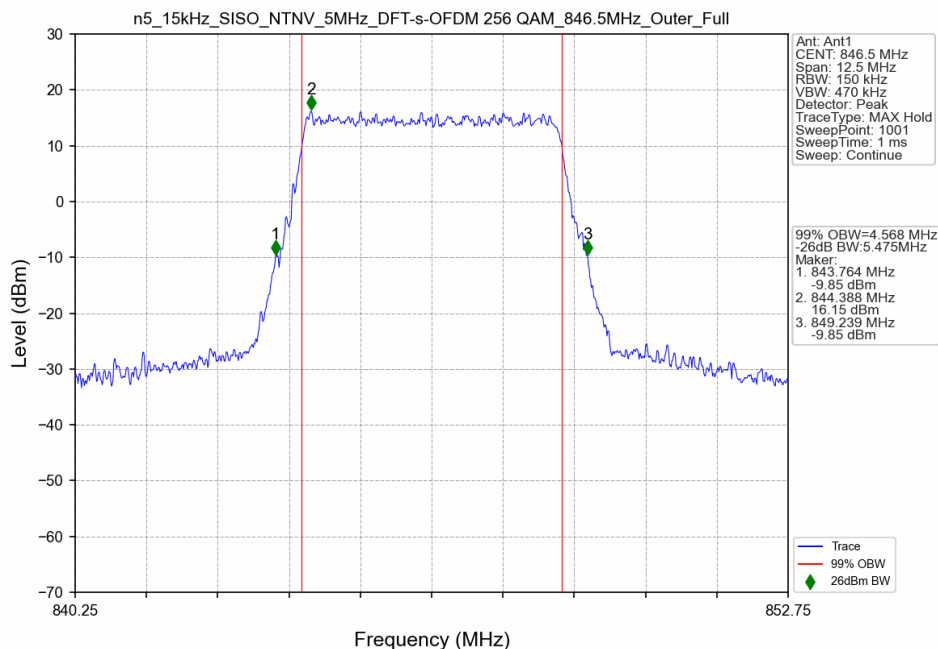


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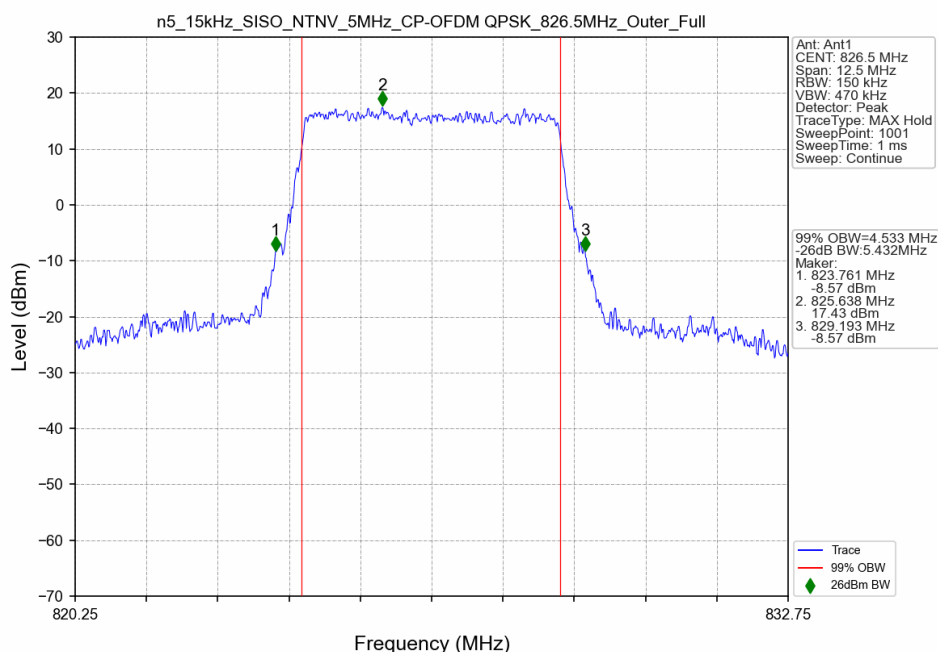
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n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 256 QAM\_846.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_826.5MHz\_Outer\_Full

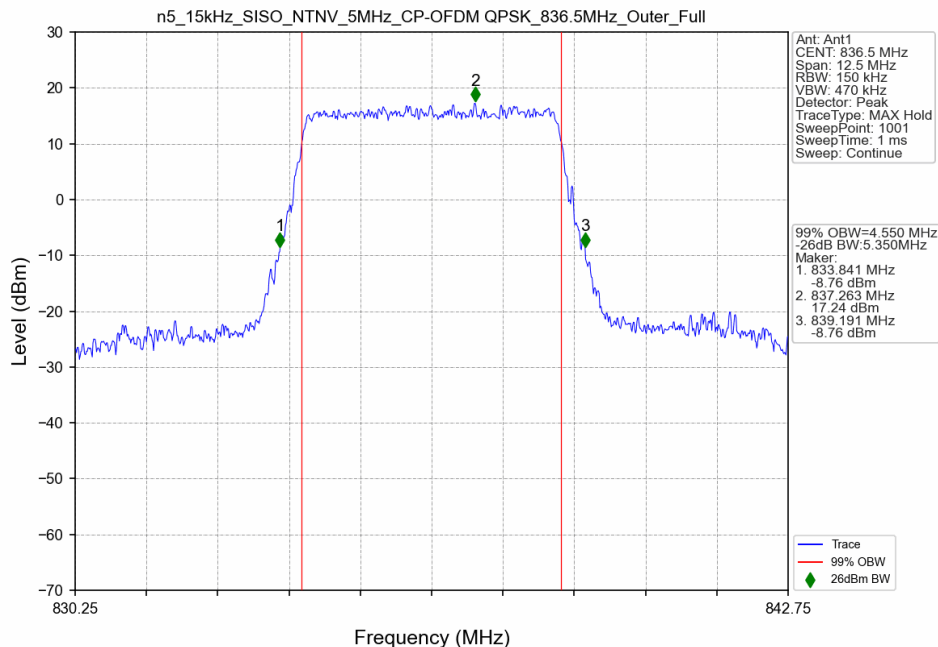


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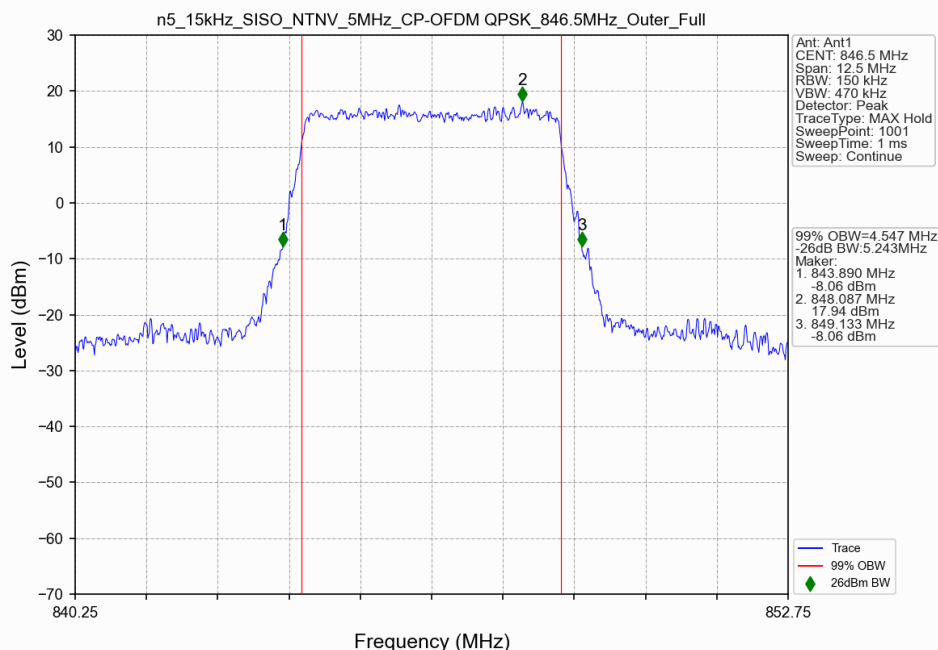
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n5\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_836.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_846.5MHz\_Outer\_Full

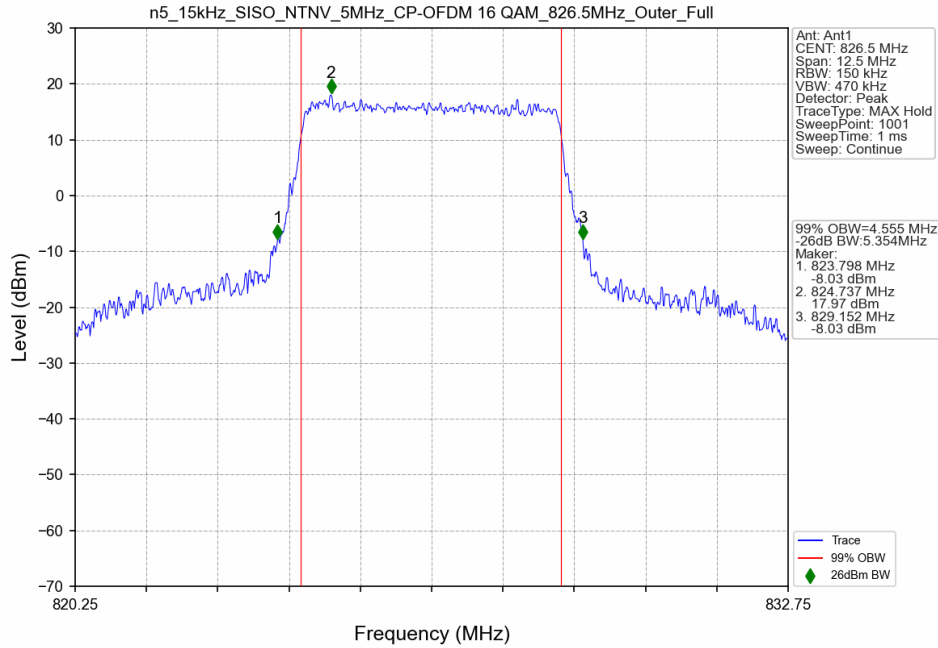


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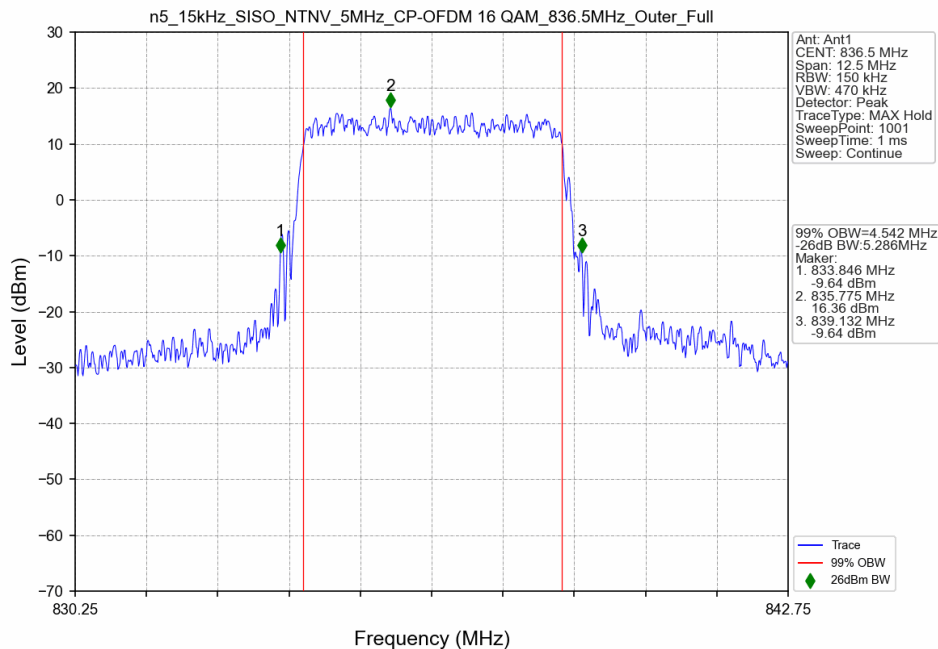
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n5\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 16 QAM\_826.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 16 QAM\_836.5MHz\_Outer\_Full



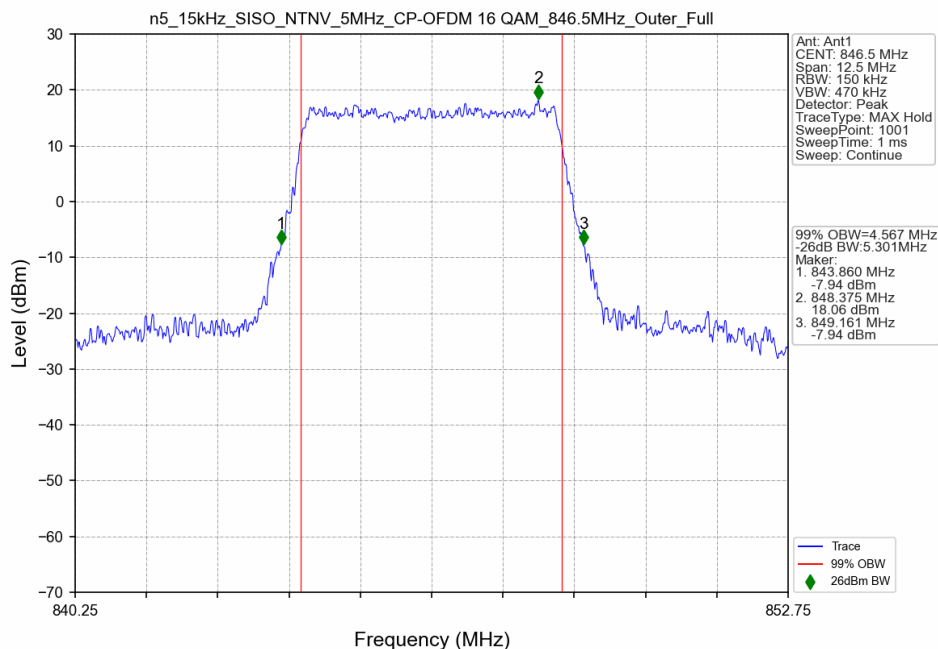
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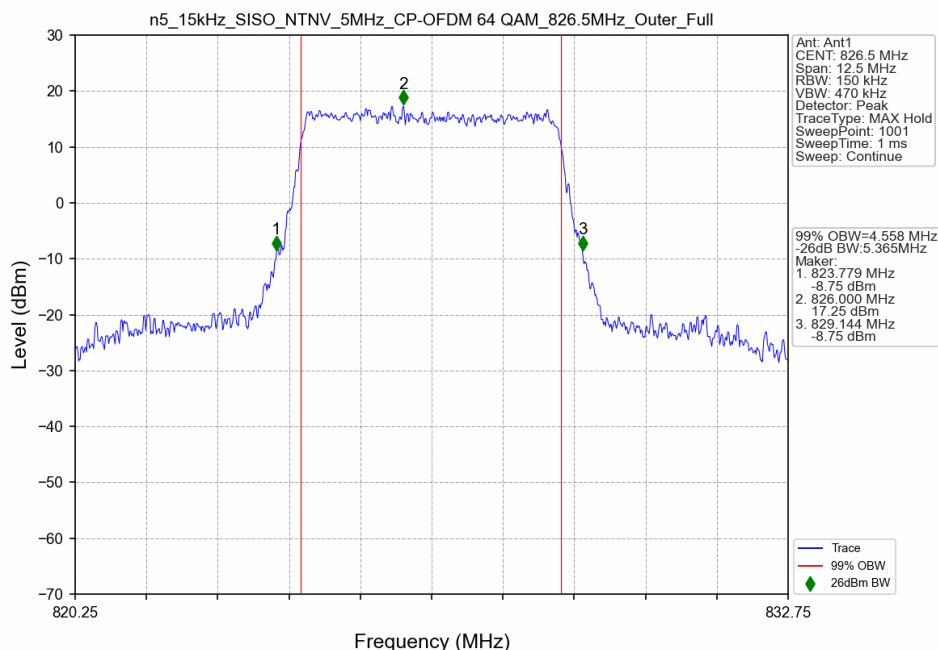
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n5\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 16 QAM\_846.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM\_826.5MHz\_Outer\_Full

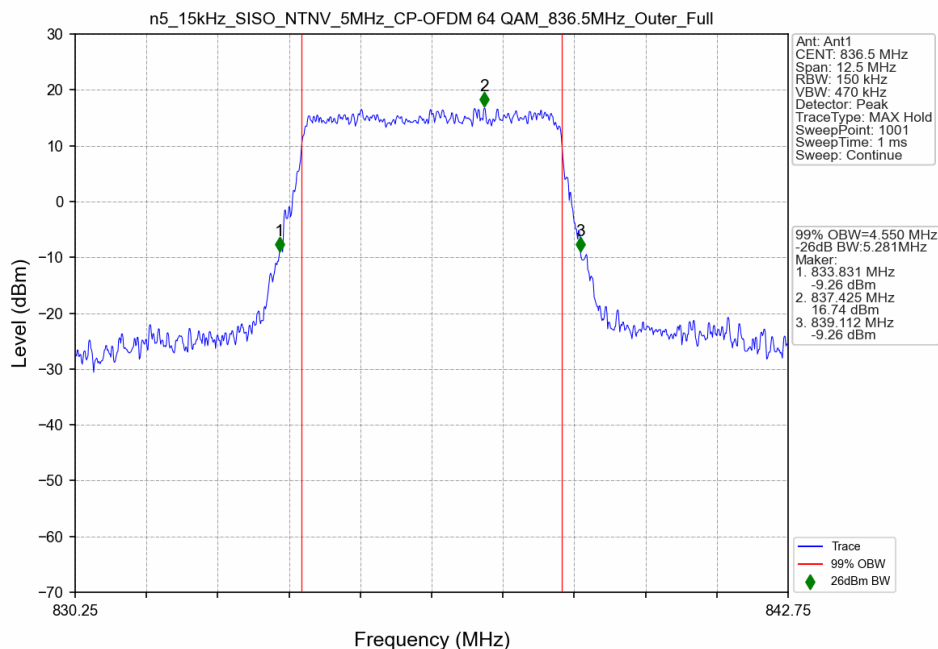


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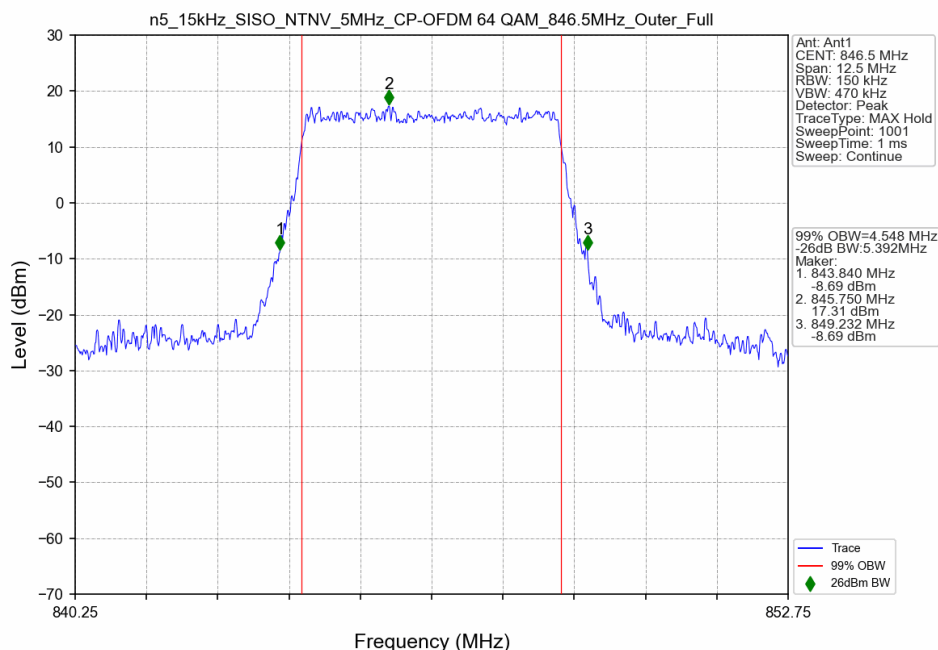
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n5\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM\_836.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM\_846.5MHz\_Outer\_Full



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