



Appendix A.25

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_5M_NTNV_ERP

5G NR n5 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	826.5	Edge_1RB_Left	22.74	/	/	19.45	/	/	<=38.45	Pass
		Edge_1RB_Right	22.78	/	/	19.49	/	/	<=38.45	Pass
		Outer_Full	22.75	/	/	19.46	/	/	<=38.45	Pass
		Inner_Full	23.19	/	/	19.90	/	/	<=38.45	Pass
		Inner_1RB_Left	23.26	/	/	19.97	/	/	<=38.45	Pass
		Inner_1RB_Right	23.12	/	/	19.83	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.08	/	/	18.79	/	/	<=38.45	Pass
		Edge_1RB_Right	22.10	/	/	18.81	/	/	<=38.45	Pass
		Outer_Full	22.11	/	/	18.82	/	/	<=38.45	Pass
		Inner_Full	23.22	/	/	19.93	/	/	<=38.45	Pass
		Inner_1RB_Left	23.07	/	/	19.78	/	/	<=38.45	Pass
		Inner_1RB_Right	23.08	/	/	19.79	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.58	/	/	19.29	/	/	<=38.45	Pass
		Edge_1RB_Right	22.48	/	/	19.19	/	/	<=38.45	Pass
		Outer_Full	22.65	/	/	19.36	/	/	<=38.45	Pass
		Inner_Full	22.96	/	/	19.67	/	/	<=38.45	Pass
		Inner_1RB_Left	23.04	/	/	19.75	/	/	<=38.45	Pass
		Inner_1RB_Right	22.96	/	/	19.67	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	826.5	Edge_1RB_Left	22.29	/	/	19.00	/	/	<=38.45	Pass
		Edge_1RB_Right	22.20	/	/	18.91	/	/	<=38.45	Pass
		Outer_Full	22.25	/	/	18.96	/	/	<=38.45	Pass
		Inner_Full	23.14	/	/	19.85	/	/	<=38.45	Pass
		Inner_1RB_Left	23.23	/	/	19.94	/	/	<=38.45	Pass
		Inner_1RB_Right	23.08	/	/	19.79	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.20	/	/	18.91	/	/	<=38.45	Pass
		Edge_1RB_Right	22.15	/	/	18.86	/	/	<=38.45	Pass
		Outer_Full	22.12	/	/	18.83	/	/	<=38.45	Pass
		Inner_Full	23.09	/	/	19.80	/	/	<=38.45	Pass
		Inner_1RB_Left	23.27	/	/	19.98	/	/	<=38.45	Pass
		Inner_1RB_Right	23.08	/	/	19.79	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.10	/	/	18.81	/	/	<=38.45	Pass
		Edge_1RB_Right	22.01	/	/	18.72	/	/	<=38.45	Pass
		Outer_Full	22.05	/	/	18.76	/	/	<=38.45	Pass
		Inner_Full	22.95	/	/	19.66	/	/	<=38.45	Pass
		Inner_1RB_Left	23.09	/	/	19.80	/	/	<=38.45	Pass
		Inner_1RB_Right	23.03	/	/	19.74	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge_1RB_Left	21.24	/	/	17.95	/	/	<=38.45	Pass
		Edge_1RB_Right	21.16	/	/	17.87	/	/	<=38.45	Pass
		Outer_Full	21.15	/	/	17.86	/	/	<=38.45	Pass
		Inner_Full	22.21	/	/	18.92	/	/	<=38.45	Pass

		Inner_1RB_Left	22.15	/	/	18.86	/	/	<=38.45	Pass
		Inner_1RB_Right	22.06	/	/	18.77	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.13	/	/	17.84	/	/	<=38.45	Pass
		Edge_1RB_Right	21.09	/	/	17.80	/	/	<=38.45	Pass
		Outer_Full	21.12	/	/	17.83	/	/	<=38.45	Pass
		Inner_Full	22.26	/	/	18.97	/	/	<=38.45	Pass
		Inner_1RB_Left	22.11	/	/	18.82	/	/	<=38.45	Pass
		Inner_1RB_Right	22.09	/	/	18.80	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.16	/	/	17.87	/	/	<=38.45	Pass
		Edge_1RB_Right	21.02	/	/	17.73	/	/	<=38.45	Pass
		Outer_Full	21.04	/	/	17.75	/	/	<=38.45	Pass
		Inner_Full	22.07	/	/	18.78	/	/	<=38.45	Pass
		Inner_1RB_Left	22.10	/	/	18.81	/	/	<=38.45	Pass
		Inner_1RB_Right	22.00	/	/	18.71	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge_1RB_Left	20.83	/	/	17.54	/	/	<=38.45	Pass
		Edge_1RB_Right	20.79	/	/	17.50	/	/	<=38.45	Pass
		Outer_Full	20.80	/	/	17.51	/	/	<=38.45	Pass
		Inner_Full	20.69	/	/	17.40	/	/	<=38.45	Pass
		Inner_1RB_Left	20.83	/	/	17.54	/	/	<=38.45	Pass
		Inner_1RB_Right	20.84	/	/	17.55	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.90	/	/	17.61	/	/	<=38.45	Pass
		Edge_1RB_Right	20.79	/	/	17.50	/	/	<=38.45	Pass
		Outer_Full	20.68	/	/	17.39	/	/	<=38.45	Pass
		Inner_Full	20.70	/	/	17.41	/	/	<=38.45	Pass
		Inner_1RB_Left	20.87	/	/	17.58	/	/	<=38.45	Pass
		Inner_1RB_Right	20.78	/	/	17.49	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.75	/	/	17.46	/	/	<=38.45	Pass
		Edge_1RB_Right	20.54	/	/	17.25	/	/	<=38.45	Pass
		Outer_Full	20.59	/	/	17.30	/	/	<=38.45	Pass
		Inner_Full	20.65	/	/	17.36	/	/	<=38.45	Pass
		Inner_1RB_Left	20.73	/	/	17.44	/	/	<=38.45	Pass
		Inner_1RB_Right	20.70	/	/	17.41	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Edge_1RB_Left	18.21	/	/	14.92	/	/	<=38.45	Pass
		Edge_1RB_Right	18.14	/	/	14.85	/	/	<=38.45	Pass
		Outer_Full	18.64	/	/	15.35	/	/	<=38.45	Pass
		Inner_Full	18.65	/	/	15.36	/	/	<=38.45	Pass
		Inner_1RB_Left	18.20	/	/	14.91	/	/	<=38.45	Pass
		Inner_1RB_Right	18.13	/	/	14.84	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.20	/	/	14.91	/	/	<=38.45	Pass
		Edge_1RB_Right	18.10	/	/	14.81	/	/	<=38.45	Pass
		Outer_Full	18.78	/	/	15.49	/	/	<=38.45	Pass
		Inner_Full	18.66	/	/	15.37	/	/	<=38.45	Pass
		Inner_1RB_Left	18.17	/	/	14.88	/	/	<=38.45	Pass
		Inner_1RB_Right	18.25	/	/	14.96	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	18.12	/	/	14.83	/	/	<=38.45	Pass
		Edge_1RB_Right	17.95	/	/	14.66	/	/	<=38.45	Pass
		Outer_Full	18.51	/	/	15.22	/	/	<=38.45	Pass
		Inner_Full	18.53	/	/	15.24	/	/	<=38.45	Pass
		Inner_1RB_Left	18.13	/	/	14.84	/	/	<=38.45	Pass
		Inner_1RB_Right	18.03	/	/	14.74	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	20.27	/	/	16.98	/	/	<=38.45	Pass
		Edge_1RB_Right	20.19	/	/	16.90	/	/	<=38.45	Pass
		Outer_Full	20.26	/	/	16.97	/	/	<=38.45	Pass

		Inner Full	21.58	/	/	18.29	/	/	<=38.45	Pass
		Inner 1RB Left	21.63	/	/	18.34	/	/	<=38.45	Pass
		Inner 1RB Right	21.68	/	/	18.39	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.21	/	/	16.92	/	/	<=38.45	Pass
		Edge 1RB Right	20.25	/	/	16.96	/	/	<=38.45	Pass
		Outer Full	20.16	/	/	16.87	/	/	<=38.45	Pass
		Inner Full	21.63	/	/	18.34	/	/	<=38.45	Pass
		Inner 1RB Left	21.61	/	/	18.32	/	/	<=38.45	Pass
		Inner 1RB Right	21.56	/	/	18.27	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	20.12	/	/	16.83	/	/	<=38.45	Pass
		Edge 1RB Right	19.89	/	/	16.60	/	/	<=38.45	Pass
		Outer Full	20.08	/	/	16.79	/	/	<=38.45	Pass
		Inner Full	21.60	/	/	18.31	/	/	<=38.45	Pass
		Inner 1RB Left	21.50	/	/	18.21	/	/	<=38.45	Pass
		Inner 1RB Right	21.43	/	/	18.14	/	/	<=38.45	Pass
CP-OFDM 16 QAM	826.5	Edge 1RB Left	20.15	/	/	16.86	/	/	<=38.45	Pass
		Edge 1RB Right	20.15	/	/	16.86	/	/	<=38.45	Pass
		Outer Full	20.20	/	/	16.91	/	/	<=38.45	Pass
		Inner Full	21.09	/	/	17.80	/	/	<=38.45	Pass
		Inner 1RB Left	21.18	/	/	17.89	/	/	<=38.45	Pass
		Inner 1RB Right	21.22	/	/	17.93	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.22	/	/	16.93	/	/	<=38.45	Pass
		Edge 1RB Right	20.17	/	/	16.88	/	/	<=38.45	Pass
		Outer Full	20.25	/	/	16.96	/	/	<=38.45	Pass
		Inner Full	21.10	/	/	17.81	/	/	<=38.45	Pass
		Inner 1RB Left	21.24	/	/	17.95	/	/	<=38.45	Pass
		Inner 1RB Right	21.16	/	/	17.87	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	20.02	/	/	16.73	/	/	<=38.45	Pass
		Edge 1RB Right	19.98	/	/	16.69	/	/	<=38.45	Pass
		Outer Full	20.05	/	/	16.76	/	/	<=38.45	Pass
		Inner Full	20.93	/	/	17.64	/	/	<=38.45	Pass
		Inner 1RB Left	21.07	/	/	17.78	/	/	<=38.45	Pass
		Inner 1RB Right	21.03	/	/	17.74	/	/	<=38.45	Pass
CP-OFDM 64 QAM	826.5	Edge 1RB Left	19.81	/	/	16.52	/	/	<=38.45	Pass
		Edge 1RB Right	19.72	/	/	16.43	/	/	<=38.45	Pass
		Outer Full	19.63	/	/	16.34	/	/	<=38.45	Pass
		Inner Full	19.70	/	/	16.41	/	/	<=38.45	Pass
		Inner 1RB Left	19.76	/	/	16.47	/	/	<=38.45	Pass
		Inner 1RB Right	19.71	/	/	16.42	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.70	/	/	16.41	/	/	<=38.45	Pass
		Edge 1RB Right	19.71	/	/	16.42	/	/	<=38.45	Pass
		Outer Full	19.66	/	/	16.37	/	/	<=38.45	Pass
		Inner Full	19.64	/	/	16.35	/	/	<=38.45	Pass
		Inner 1RB Left	19.75	/	/	16.46	/	/	<=38.45	Pass
		Inner 1RB Right	19.77	/	/	16.48	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	19.60	/	/	16.31	/	/	<=38.45	Pass
		Edge 1RB Right	19.66	/	/	16.37	/	/	<=38.45	Pass
		Outer Full	19.53	/	/	16.24	/	/	<=38.45	Pass
		Inner Full	19.58	/	/	16.29	/	/	<=38.45	Pass
		Inner 1RB Left	19.60	/	/	16.31	/	/	<=38.45	Pass
		Inner 1RB Right	19.62	/	/	16.33	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge 1RB Left	16.20	/	/	12.91	/	/	<=38.45	Pass
		Edge 1RB Right	16.23	/	/	12.94	/	/	<=38.45	Pass

		Outer_Full	16.69	/	/	13.40	/	/	<=38.45	Pass	
		Inner_Full	16.71	/	/	13.42	/	/	<=38.45	Pass	
		Inner_1RB_Left	16.24	/	/	12.95	/	/	<=38.45	Pass	
		Inner_1RB_Right	16.14	/	/	12.85	/	/	<=38.45	Pass	
	836.5	Edge_1RB_Left	16.26	/	/	12.97	/	/	<=38.45	Pass	
		Edge_1RB_Right	16.37	/	/	13.08	/	/	<=38.45	Pass	
		Outer_Full	16.64	/	/	13.35	/	/	<=38.45	Pass	
		Inner_Full	16.74	/	/	13.45	/	/	<=38.45	Pass	
		Inner_1RB_Left	16.32	/	/	13.03	/	/	<=38.45	Pass	
		Inner_1RB_Right	16.40	/	/	13.11	/	/	<=38.45	Pass	
		846.5	Edge_1RB_Left	16.18	/	/	12.89	/	/	<=38.45	Pass
			Edge_1RB_Right	16.04	/	/	12.75	/	/	<=38.45	Pass
	Outer_Full		16.45	/	/	13.16	/	/	<=38.45	Pass	
	Inner_Full		16.51	/	/	13.22	/	/	<=38.45	Pass	
	Inner_1RB_Left		16.18	/	/	12.89	/	/	<=38.45	Pass	
	Inner_1RB_Right		16.09	/	/	12.80	/	/	<=38.45	Pass	
Note1: Antenna Gain: Ant0: -1.14dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15											

1.1.2 15_S_10M_NTNV_ERP

5G NR n5 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	829	Edge 1RB Left	22.65	/	/	19.36	/	/	<=38.45	Pass
		Edge 1RB Right	22.49	/	/	19.20	/	/	<=38.45	Pass
		Outer Full	22.61	/	/	19.32	/	/	<=38.45	Pass
		Inner Full	23.19	/	/	19.90	/	/	<=38.45	Pass
		Inner 1RB Left	23.20	/	/	19.91	/	/	<=38.45	Pass
		Inner 1RB Right	23.11	/	/	19.82	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.55	/	/	19.26	/	/	<=38.45	Pass
		Edge 1RB Right	22.55	/	/	19.26	/	/	<=38.45	Pass
		Outer Full	22.68	/	/	19.39	/	/	<=38.45	Pass
		Inner Full	23.15	/	/	19.86	/	/	<=38.45	Pass
		Inner 1RB Left	23.14	/	/	19.85	/	/	<=38.45	Pass
		Inner 1RB Right	23.05	/	/	19.76	/	/	<=38.45	Pass
	844	Edge 1RB Left	22.48	/	/	19.19	/	/	<=38.45	Pass
		Edge 1RB Right	22.34	/	/	19.05	/	/	<=38.45	Pass
		Outer Full	22.51	/	/	19.22	/	/	<=38.45	Pass
		Inner Full	22.99	/	/	19.70	/	/	<=38.45	Pass
		Inner 1RB Left	23.01	/	/	19.72	/	/	<=38.45	Pass
		Inner 1RB Right	22.85	/	/	19.56	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	829	Edge 1RB Left	22.15	/	/	18.86	/	/	<=38.45	Pass
		Edge 1RB Right	22.06	/	/	18.77	/	/	<=38.45	Pass
		Outer Full	22.23	/	/	18.94	/	/	<=38.45	Pass
		Inner Full	23.19	/	/	19.90	/	/	<=38.45	Pass
		Inner 1RB Left	23.06	/	/	19.77	/	/	<=38.45	Pass
		Inner 1RB Right	23.10	/	/	19.81	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.07	/	/	18.78	/	/	<=38.45	Pass
		Edge 1RB Right	22.01	/	/	18.72	/	/	<=38.45	Pass
		Outer Full	22.07	/	/	18.78	/	/	<=38.45	Pass

		Inner Full	23.07	/	/	19.78	/	/	<=38.45	Pass
		Inner 1RB Left	23.14	/	/	19.85	/	/	<=38.45	Pass
		Inner 1RB Right	22.98	/	/	19.69	/	/	<=38.45	Pass
	844	Edge 1RB Left	22.03	/	/	18.74	/	/	<=38.45	Pass
		Edge 1RB Right	21.85	/	/	18.56	/	/	<=38.45	Pass
		Outer Full	22.02	/	/	18.73	/	/	<=38.45	Pass
		Inner Full	23.02	/	/	19.73	/	/	<=38.45	Pass
		Inner 1RB Left	23.05	/	/	19.76	/	/	<=38.45	Pass
		Inner 1RB Right	22.89	/	/	19.60	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge 1RB Left	21.04	/	/	17.75	/	/	<=38.45	Pass
		Edge 1RB Right	21.00	/	/	17.71	/	/	<=38.45	Pass
		Outer Full	21.09	/	/	17.80	/	/	<=38.45	Pass
		Inner Full	22.13	/	/	18.84	/	/	<=38.45	Pass
		Inner 1RB Left	22.04	/	/	18.75	/	/	<=38.45	Pass
		Inner 1RB Right	21.85	/	/	18.56	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.03	/	/	17.74	/	/	<=38.45	Pass
		Edge 1RB Right	21.03	/	/	17.74	/	/	<=38.45	Pass
		Outer Full	21.14	/	/	17.85	/	/	<=38.45	Pass
		Inner Full	22.13	/	/	18.84	/	/	<=38.45	Pass
		Inner 1RB Left	22.05	/	/	18.76	/	/	<=38.45	Pass
		Inner 1RB Right	21.99	/	/	18.70	/	/	<=38.45	Pass
	844	Edge 1RB Left	20.96	/	/	17.67	/	/	<=38.45	Pass
		Edge 1RB Right	20.80	/	/	17.51	/	/	<=38.45	Pass
		Outer Full	20.99	/	/	17.70	/	/	<=38.45	Pass
		Inner Full	22.08	/	/	18.79	/	/	<=38.45	Pass
		Inner 1RB Left	21.91	/	/	18.62	/	/	<=38.45	Pass
		Inner 1RB Right	21.81	/	/	18.52	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge 1RB Left	20.76	/	/	17.47	/	/	<=38.45	Pass
		Edge 1RB Right	20.71	/	/	17.42	/	/	<=38.45	Pass
		Outer Full	20.62	/	/	17.33	/	/	<=38.45	Pass
		Inner Full	20.56	/	/	17.27	/	/	<=38.45	Pass
		Inner 1RB Left	20.74	/	/	17.45	/	/	<=38.45	Pass
		Inner 1RB Right	20.65	/	/	17.36	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.77	/	/	17.48	/	/	<=38.45	Pass
		Edge 1RB Right	20.77	/	/	17.48	/	/	<=38.45	Pass
		Outer Full	20.69	/	/	17.40	/	/	<=38.45	Pass
		Inner Full	20.68	/	/	17.39	/	/	<=38.45	Pass
		Inner 1RB Left	20.80	/	/	17.51	/	/	<=38.45	Pass
		Inner 1RB Right	20.70	/	/	17.41	/	/	<=38.45	Pass
	844	Edge 1RB Left	20.65	/	/	17.36	/	/	<=38.45	Pass
		Edge 1RB Right	20.52	/	/	17.23	/	/	<=38.45	Pass
		Outer Full	20.54	/	/	17.25	/	/	<=38.45	Pass
		Inner Full	20.49	/	/	17.20	/	/	<=38.45	Pass
		Inner 1RB Left	20.65	/	/	17.36	/	/	<=38.45	Pass
		Inner 1RB Right	20.52	/	/	17.23	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge 1RB Left	18.17	/	/	14.88	/	/	<=38.45	Pass
		Edge 1RB Right	18.06	/	/	14.77	/	/	<=38.45	Pass
		Outer Full	18.62	/	/	15.33	/	/	<=38.45	Pass
		Inner Full	18.61	/	/	15.32	/	/	<=38.45	Pass
		Inner 1RB Left	18.17	/	/	14.88	/	/	<=38.45	Pass
		Inner 1RB Right	18.09	/	/	14.80	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	18.04	/	/	14.75	/	/	<=38.45	Pass
		Edge 1RB Right	17.96	/	/	14.67	/	/	<=38.45	Pass

		Outer_Full	18.64	/	/	15.35	/	/	<=38.45	Pass
		Inner_Full	18.55	/	/	15.26	/	/	<=38.45	Pass
		Inner_1RB_Left	18.08	/	/	14.79	/	/	<=38.45	Pass
		Inner_1RB_Right	18.11	/	/	14.82	/	/	<=38.45	Pass
	844	Edge_1RB_Left	18.03	/	/	14.74	/	/	<=38.45	Pass
		Edge_1RB_Right	17.83	/	/	14.54	/	/	<=38.45	Pass
		Outer_Full	18.54	/	/	15.25	/	/	<=38.45	Pass
		Inner_Full	18.49	/	/	15.20	/	/	<=38.45	Pass
		Inner_1RB_Left	18.01	/	/	14.72	/	/	<=38.45	Pass
		Inner_1RB_Right	17.92	/	/	14.63	/	/	<=38.45	Pass
		Edge_1RB_Left	20.13	/	/	16.84	/	/	<=38.45	Pass
		Edge_1RB_Right	20.10	/	/	16.81	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Outer_Full	20.11	/	/	16.82	/	/	<=38.45	Pass
		Inner_Full	21.63	/	/	18.34	/	/	<=38.45	Pass
		Inner_1RB_Left	21.56	/	/	18.27	/	/	<=38.45	Pass
		Inner_1RB_Right	21.46	/	/	18.17	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.00	/	/	16.71	/	/	<=38.45	Pass
		Edge_1RB_Right	20.07	/	/	16.78	/	/	<=38.45	Pass
		Outer_Full	20.10	/	/	16.81	/	/	<=38.45	Pass
		Inner_Full	21.58	/	/	18.29	/	/	<=38.45	Pass
		Inner_1RB_Left	21.57	/	/	18.28	/	/	<=38.45	Pass
		Inner_1RB_Right	21.49	/	/	18.20	/	/	<=38.45	Pass
	844	Edge_1RB_Left	19.97	/	/	16.68	/	/	<=38.45	Pass
		Edge_1RB_Right	19.89	/	/	16.60	/	/	<=38.45	Pass
		Outer_Full	19.98	/	/	16.69	/	/	<=38.45	Pass
		Inner_Full	21.49	/	/	18.20	/	/	<=38.45	Pass
		Inner_1RB_Left	21.52	/	/	18.23	/	/	<=38.45	Pass
		Inner_1RB_Right	21.34	/	/	18.05	/	/	<=38.45	Pass
CP-OFDM 16 QAM	829	Edge_1RB_Left	20.12	/	/	16.83	/	/	<=38.45	Pass
		Edge_1RB_Right	20.05	/	/	16.76	/	/	<=38.45	Pass
		Outer_Full	20.08	/	/	16.79	/	/	<=38.45	Pass
		Inner_Full	21.19	/	/	17.90	/	/	<=38.45	Pass
		Inner_1RB_Left	21.16	/	/	17.87	/	/	<=38.45	Pass
		Inner_1RB_Right	21.21	/	/	17.92	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.12	/	/	16.83	/	/	<=38.45	Pass
		Edge_1RB_Right	20.03	/	/	16.74	/	/	<=38.45	Pass
		Outer_Full	20.17	/	/	16.88	/	/	<=38.45	Pass
		Inner_Full	21.09	/	/	17.80	/	/	<=38.45	Pass
		Inner_1RB_Left	21.17	/	/	17.88	/	/	<=38.45	Pass
		Inner_1RB_Right	20.92	/	/	17.63	/	/	<=38.45	Pass
	844	Edge_1RB_Left	19.98	/	/	16.69	/	/	<=38.45	Pass
		Edge_1RB_Right	19.86	/	/	16.57	/	/	<=38.45	Pass
		Outer_Full	20.00	/	/	16.71	/	/	<=38.45	Pass
		Inner_Full	21.04	/	/	17.75	/	/	<=38.45	Pass
		Inner_1RB_Left	20.95	/	/	17.66	/	/	<=38.45	Pass
		Inner_1RB_Right	20.86	/	/	17.57	/	/	<=38.45	Pass
CP-OFDM 64 QAM	829	Edge_1RB_Left	19.69	/	/	16.40	/	/	<=38.45	Pass
		Edge_1RB_Right	19.54	/	/	16.25	/	/	<=38.45	Pass
		Outer_Full	19.65	/	/	16.36	/	/	<=38.45	Pass
		Inner_Full	19.55	/	/	16.26	/	/	<=38.45	Pass
		Inner_1RB_Left	19.79	/	/	16.50	/	/	<=38.45	Pass
		Inner_1RB_Right	19.55	/	/	16.26	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.72	/	/	16.43	/	/	<=38.45	Pass

CP-OFDM 256 QAM		Edge 1RB Right	19.65	/	/	16.36	/	/	<=38.45	Pass
		Outer Full	19.58	/	/	16.29	/	/	<=38.45	Pass
		Inner Full	19.69	/	/	16.40	/	/	<=38.45	Pass
		Inner 1RB Left	19.74	/	/	16.45	/	/	<=38.45	Pass
		Inner 1RB Right	19.64	/	/	16.35	/	/	<=38.45	Pass
	844	Edge 1RB Left	19.58	/	/	16.29	/	/	<=38.45	Pass
		Edge 1RB Right	19.43	/	/	16.14	/	/	<=38.45	Pass
		Outer Full	19.56	/	/	16.27	/	/	<=38.45	Pass
		Inner Full	19.55	/	/	16.26	/	/	<=38.45	Pass
		Inner 1RB Left	19.58	/	/	16.29	/	/	<=38.45	Pass
		Inner 1RB Right	19.47	/	/	16.18	/	/	<=38.45	Pass
		Edge 1RB Left	16.28	/	/	12.99	/	/	<=38.45	Pass
		Edge 1RB Right	16.20	/	/	12.91	/	/	<=38.45	Pass
		Outer Full	16.57	/	/	13.28	/	/	<=38.45	Pass
		Inner Full	16.64	/	/	13.35	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Inner 1RB Left	16.26	/	/	12.97	/	/	<=38.45	Pass
		Inner 1RB Right	16.21	/	/	12.92	/	/	<=38.45	Pass
		Edge 1RB Left	16.19	/	/	12.90	/	/	<=38.45	Pass
		Edge 1RB Right	16.07	/	/	12.78	/	/	<=38.45	Pass
		Outer Full	16.61	/	/	13.32	/	/	<=38.45	Pass
	836.5	Inner Full	16.63	/	/	13.34	/	/	<=38.45	Pass
		Inner 1RB Left	16.16	/	/	12.87	/	/	<=38.45	Pass
		Inner 1RB Right	16.20	/	/	12.91	/	/	<=38.45	Pass
		Edge 1RB Left	16.25	/	/	12.96	/	/	<=38.45	Pass
		Edge 1RB Right	16.07	/	/	12.78	/	/	<=38.45	Pass
	844	Outer Full	16.50	/	/	13.21	/	/	<=38.45	Pass
		Inner Full	16.59	/	/	13.30	/	/	<=38.45	Pass
		Inner 1RB Left	16.22	/	/	12.93	/	/	<=38.45	Pass
		Inner 1RB Right	16.03	/	/	12.74	/	/	<=38.45	Pass

Note1: Antenna Gain: Ant0: -1.14dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 15_S_15M_NTNV_ERP

5G NR n5 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)			Limit	Verdict
			Ant0	Ant2	Sum	Ant0	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	831.5	Edge 1RB Left	22.63	/	/	19.34	/	/	<=38.45	Pass
		Edge 1RB Right	22.53	/	/	19.24	/	/	<=38.45	Pass
		Outer Full	22.61	/	/	19.32	/	/	<=38.45	Pass
		Inner Full	23.06	/	/	19.77	/	/	<=38.45	Pass
		Inner 1RB Left	23.11	/	/	19.82	/	/	<=38.45	Pass
		Inner 1RB Right	22.96	/	/	19.67	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.60	/	/	19.31	/	/	<=38.45	Pass
		Edge 1RB Right	22.58	/	/	19.29	/	/	<=38.45	Pass
		Outer Full	22.77	/	/	19.48	/	/	<=38.45	Pass
		Inner Full	23.18	/	/	19.89	/	/	<=38.45	Pass
		Inner 1RB Left	23.03	/	/	19.74	/	/	<=38.45	Pass
		Inner 1RB Right	23.04	/	/	19.75	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	22.54	/	/	19.25	/	/	<=38.45	Pass
		Edge 1RB Right	22.37	/	/	19.08	/	/	<=38.45	Pass

DFT-s-OFDM QPSK		Outer Full	22.69	/	/	19.40	/	/	<=38.45	Pass
		Inner Full	23.04	/	/	19.75	/	/	<=38.45	Pass
		Inner 1RB Left	23.06	/	/	19.77	/	/	<=38.45	Pass
		Inner 1RB Right	22.87	/	/	19.58	/	/	<=38.45	Pass
	831.5	Edge 1RB Left	22.20	/	/	18.91	/	/	<=38.45	Pass
		Edge 1RB Right	22.02	/	/	18.73	/	/	<=38.45	Pass
		Outer Full	22.22	/	/	18.93	/	/	<=38.45	Pass
		Inner Full	23.15	/	/	19.86	/	/	<=38.45	Pass
	836.5	Inner 1RB Left	23.21	/	/	19.92	/	/	<=38.45	Pass
		Inner 1RB Right	23.11	/	/	19.82	/	/	<=38.45	Pass
		Edge 1RB Left	22.09	/	/	18.80	/	/	<=38.45	Pass
		Edge 1RB Right	22.13	/	/	18.84	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Outer Full	22.19	/	/	18.90	/	/	<=38.45	Pass
		Inner Full	23.24	/	/	19.95	/	/	<=38.45	Pass
		Inner 1RB Left	23.17	/	/	19.88	/	/	<=38.45	Pass
		Inner 1RB Right	23.10	/	/	19.81	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.07	/	/	18.78	/	/	<=38.45	Pass
		Edge 1RB Right	21.89	/	/	18.60	/	/	<=38.45	Pass
		Outer Full	22.20	/	/	18.91	/	/	<=38.45	Pass
		Inner Full	23.07	/	/	19.78	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	23.08	/	/	19.79	/	/	<=38.45	Pass
		Inner 1RB Right	22.95	/	/	19.66	/	/	<=38.45	Pass
		Edge 1RB Left	21.15	/	/	17.86	/	/	<=38.45	Pass
		Edge 1RB Right	21.11	/	/	17.82	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Outer Full	21.29	/	/	18.00	/	/	<=38.45	Pass
		Inner Full	22.20	/	/	18.91	/	/	<=38.45	Pass
		Inner 1RB Left	22.11	/	/	18.82	/	/	<=38.45	Pass
		Inner 1RB Right	22.02	/	/	18.73	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.08	/	/	17.79	/	/	<=38.45	Pass
		Edge 1RB Right	20.90	/	/	17.61	/	/	<=38.45	Pass
		Outer Full	21.20	/	/	17.91	/	/	<=38.45	Pass
		Inner Full	22.25	/	/	18.96	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	22.07	/	/	18.78	/	/	<=38.45	Pass
		Inner 1RB Right	22.07	/	/	18.78	/	/	<=38.45	Pass
		Edge 1RB Left	20.99	/	/	17.70	/	/	<=38.45	Pass
		Edge 1RB Right	20.82	/	/	17.53	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Outer Full	21.12	/	/	17.83	/	/	<=38.45	Pass
		Inner Full	22.04	/	/	18.75	/	/	<=38.45	Pass
		Inner 1RB Left	21.99	/	/	18.70	/	/	<=38.45	Pass
		Inner 1RB Right	21.88	/	/	18.59	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.81	/	/	17.52	/	/	<=38.45	Pass
		Edge 1RB Right	20.67	/	/	17.38	/	/	<=38.45	Pass
		Outer Full	20.76	/	/	17.47	/	/	<=38.45	Pass
		Inner Full	20.68	/	/	17.39	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	20.80	/	/	17.51	/	/	<=38.45	Pass
		Inner 1RB Right	20.65	/	/	17.36	/	/	<=38.45	Pass
		Edge 1RB Left	20.72	/	/	17.43	/	/	<=38.45	Pass
		Edge 1RB Right	20.79	/	/	17.50	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Outer Full	20.81	/	/	17.52	/	/	<=38.45	Pass
		Inner Full	20.74	/	/	17.45	/	/	<=38.45	Pass
		Inner 1RB Left	20.75	/	/	17.46	/	/	<=38.45	Pass
		Inner 1RB Right	20.78	/	/	17.49	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.78	/	/	17.49	/	/	<=38.45	Pass
		Edge 1RB Right	20.78	/	/	17.49	/	/	<=38.45	Pass
		Outer Full	20.81	/	/	17.52	/	/	<=38.45	Pass
		Inner Full	20.74	/	/	17.45	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	20.75	/	/	17.46	/	/	<=38.45	Pass
		Inner 1RB Right	20.78	/	/	17.49	/	/	<=38.45	Pass
		Edge 1RB Left	20.78	/	/	17.49	/	/	<=38.45	Pass
		Edge 1RB Right	20.78	/	/	17.49	/	/	<=38.45	Pass

		Edge 1RB Right	20.54	/	/	17.25	/	/	<=38.45	Pass
		Outer Full	20.65	/	/	17.36	/	/	<=38.45	Pass
		Inner Full	20.67	/	/	17.38	/	/	<=38.45	Pass
		Inner 1RB Left	20.69	/	/	17.40	/	/	<=38.45	Pass
		Inner 1RB Right	20.53	/	/	17.24	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Edge 1RB Left	18.15	/	/	14.86	/	/	<=38.45	Pass
		Edge 1RB Right	18.23	/	/	14.94	/	/	<=38.45	Pass
		Outer Full	18.62	/	/	15.33	/	/	<=38.45	Pass
		Inner Full	18.54	/	/	15.25	/	/	<=38.45	Pass
		Inner 1RB Left	18.15	/	/	14.86	/	/	<=38.45	Pass
		Inner 1RB Right	18.22	/	/	14.93	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	18.04	/	/	14.75	/	/	<=38.45	Pass
		Edge 1RB Right	18.17	/	/	14.88	/	/	<=38.45	Pass
		Outer Full	18.67	/	/	15.38	/	/	<=38.45	Pass
		Inner Full	18.67	/	/	15.38	/	/	<=38.45	Pass
		Inner 1RB Left	18.09	/	/	14.80	/	/	<=38.45	Pass
		Inner 1RB Right	18.18	/	/	14.89	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	18.13	/	/	14.84	/	/	<=38.45	Pass
		Edge 1RB Right	18.07	/	/	14.78	/	/	<=38.45	Pass
		Outer Full	18.66	/	/	15.37	/	/	<=38.45	Pass
		Inner Full	18.58	/	/	15.29	/	/	<=38.45	Pass
		Inner 1RB Left	18.05	/	/	14.76	/	/	<=38.45	Pass
		Inner 1RB Right	18.04	/	/	14.75	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Edge 1RB Left	20.18	/	/	16.89	/	/	<=38.45	Pass
		Edge 1RB Right	20.11	/	/	16.82	/	/	<=38.45	Pass
		Outer Full	20.20	/	/	16.91	/	/	<=38.45	Pass
		Inner Full	21.63	/	/	18.34	/	/	<=38.45	Pass
		Inner 1RB Left	21.71	/	/	18.42	/	/	<=38.45	Pass
		Inner 1RB Right	21.59	/	/	18.30	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.21	/	/	16.92	/	/	<=38.45	Pass
		Edge 1RB Right	20.11	/	/	16.82	/	/	<=38.45	Pass
		Outer Full	20.20	/	/	16.91	/	/	<=38.45	Pass
		Inner Full	21.70	/	/	18.41	/	/	<=38.45	Pass
		Inner 1RB Left	21.70	/	/	18.41	/	/	<=38.45	Pass
		Inner 1RB Right	21.65	/	/	18.36	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	20.23	/	/	16.94	/	/	<=38.45	Pass
		Edge 1RB Right	20.00	/	/	16.71	/	/	<=38.45	Pass
		Outer Full	20.09	/	/	16.80	/	/	<=38.45	Pass
		Inner Full	21.58	/	/	18.29	/	/	<=38.45	Pass
		Inner 1RB Left	21.55	/	/	18.26	/	/	<=38.45	Pass
		Inner 1RB Right	21.45	/	/	18.16	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Edge 1RB Left	20.12	/	/	16.83	/	/	<=38.45	Pass
		Edge 1RB Right	19.95	/	/	16.66	/	/	<=38.45	Pass
		Outer Full	20.18	/	/	16.89	/	/	<=38.45	Pass
		Inner Full	21.25	/	/	17.96	/	/	<=38.45	Pass
		Inner 1RB Left	21.17	/	/	17.88	/	/	<=38.45	Pass
		Inner 1RB Right	21.03	/	/	17.74	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.08	/	/	16.79	/	/	<=38.45	Pass
		Edge 1RB Right	20.04	/	/	16.75	/	/	<=38.45	Pass
		Outer Full	20.26	/	/	16.97	/	/	<=38.45	Pass
		Inner Full	21.32	/	/	18.03	/	/	<=38.45	Pass
		Inner 1RB Left	21.16	/	/	17.87	/	/	<=38.45	Pass
		Inner 1RB Right	21.10	/	/	17.81	/	/	<=38.45	Pass

	841.5	Edge_1RB_Left	20.12	/	/	16.83	/	/	<=38.45	Pass
		Edge_1RB_Right	19.91	/	/	16.62	/	/	<=38.45	Pass
		Outer_Full	20.05	/	/	16.76	/	/	<=38.45	Pass
		Inner_Full	21.12	/	/	17.83	/	/	<=38.45	Pass
		Inner_1RB_Left	21.08	/	/	17.79	/	/	<=38.45	Pass
		Inner_1RB_Right	20.92	/	/	17.63	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	19.78	/	/	16.49	/	/	<=38.45	Pass
		Edge_1RB_Right	19.60	/	/	16.31	/	/	<=38.45	Pass
		Outer_Full	19.67	/	/	16.38	/	/	<=38.45	Pass
		Inner_Full	19.61	/	/	16.32	/	/	<=38.45	Pass
		Inner_1RB_Left	19.78	/	/	16.49	/	/	<=38.45	Pass
		Inner_1RB_Right	19.58	/	/	16.29	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.78	/	/	16.49	/	/	<=38.45	Pass
		Edge_1RB_Right	19.60	/	/	16.31	/	/	<=38.45	Pass
		Outer_Full	19.64	/	/	16.35	/	/	<=38.45	Pass
		Inner_Full	19.56	/	/	16.27	/	/	<=38.45	Pass
		Inner_1RB_Left	19.70	/	/	16.41	/	/	<=38.45	Pass
		Inner_1RB_Right	19.72	/	/	16.43	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.71	/	/	16.42	/	/	<=38.45	Pass
		Edge_1RB_Right	19.50	/	/	16.21	/	/	<=38.45	Pass
		Outer_Full	19.60	/	/	16.31	/	/	<=38.45	Pass
		Inner_Full	19.58	/	/	16.29	/	/	<=38.45	Pass
		Inner_1RB_Left	19.60	/	/	16.31	/	/	<=38.45	Pass
		Inner_1RB_Right	19.49	/	/	16.20	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Edge_1RB_Left	16.25	/	/	12.96	/	/	<=38.45	Pass
		Edge_1RB_Right	16.31	/	/	13.02	/	/	<=38.45	Pass
		Outer_Full	16.56	/	/	13.27	/	/	<=38.45	Pass
		Inner_Full	16.58	/	/	13.29	/	/	<=38.45	Pass
		Inner_1RB_Left	16.20	/	/	12.91	/	/	<=38.45	Pass
		Inner_1RB_Right	16.29	/	/	13.00	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	16.21	/	/	12.92	/	/	<=38.45	Pass
		Edge_1RB_Right	16.28	/	/	12.99	/	/	<=38.45	Pass
		Outer_Full	16.73	/	/	13.44	/	/	<=38.45	Pass
		Inner_Full	16.71	/	/	13.42	/	/	<=38.45	Pass
		Inner_1RB_Left	16.25	/	/	12.96	/	/	<=38.45	Pass
		Inner_1RB_Right	16.28	/	/	12.99	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	16.19	/	/	12.90	/	/	<=38.45	Pass
		Edge_1RB_Right	16.21	/	/	12.92	/	/	<=38.45	Pass
		Outer_Full	16.62	/	/	13.33	/	/	<=38.45	Pass
		Inner_Full	16.60	/	/	13.31	/	/	<=38.45	Pass
		Inner_1RB_Left	16.21	/	/	12.92	/	/	<=38.45	Pass
		Inner_1RB_Right	16.12	/	/	12.83	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant0: -1.14dBi;										
Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.4 15_S_20M_NTNV_ERP

5G NR n5 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2	834	Edge_1RB_Left	22.56	/	/	19.27	/	/	<=38.45	Pass

BPSK		Edge_1RB_Right	22.47	/	/	19.18	/	/	<=38.45	Pass
		Outer_Full	22.61	/	/	19.32	/	/	<=38.45	Pass
		Inner_Full	23.10	/	/	19.81	/	/	<=38.45	Pass
		Inner_1RB_Left	23.14	/	/	19.85	/	/	<=38.45	Pass
	836.5	Inner_1RB_Right	22.96	/	/	19.67	/	/	<=38.45	Pass
		Edge_1RB_Left	22.65	/	/	19.36	/	/	<=38.45	Pass
		Edge_1RB_Right	22.39	/	/	19.10	/	/	<=38.45	Pass
		Outer_Full	22.75	/	/	19.46	/	/	<=38.45	Pass
	839	Inner_Full	23.19	/	/	19.90	/	/	<=38.45	Pass
		Inner_1RB_Left	23.12	/	/	19.83	/	/	<=38.45	Pass
		Inner_1RB_Right	22.89	/	/	19.60	/	/	<=38.45	Pass
		Edge_1RB_Left	22.53	/	/	19.24	/	/	<=38.45	Pass
		Edge_1RB_Right	22.37	/	/	19.08	/	/	<=38.45	Pass
		Outer_Full	22.62	/	/	19.33	/	/	<=38.45	Pass
		Inner_Full	23.18	/	/	19.89	/	/	<=38.45	Pass
		Inner_1RB_Left	22.94	/	/	19.65	/	/	<=38.45	Pass
		Inner_1RB_Right	22.87	/	/	19.58	/	/	<=38.45	Pass
DFT-s-OFDM QPSK	834	Edge_1RB_Left	22.05	/	/	18.76	/	/	<=38.45	Pass
		Edge_1RB_Right	22.00	/	/	18.71	/	/	<=38.45	Pass
		Outer_Full	22.19	/	/	18.90	/	/	<=38.45	Pass
		Inner_Full	23.16	/	/	19.87	/	/	<=38.45	Pass
	836.5	Inner_1RB_Left	23.05	/	/	19.76	/	/	<=38.45	Pass
		Inner_1RB_Right	23.01	/	/	19.72	/	/	<=38.45	Pass
		Edge_1RB_Left	22.15	/	/	18.86	/	/	<=38.45	Pass
		Edge_1RB_Right	21.96	/	/	18.67	/	/	<=38.45	Pass
	839	Outer_Full	22.19	/	/	18.90	/	/	<=38.45	Pass
		Inner_Full	23.17	/	/	19.88	/	/	<=38.45	Pass
		Inner_1RB_Left	23.10	/	/	19.81	/	/	<=38.45	Pass
		Inner_1RB_Right	22.94	/	/	19.65	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge_1RB_Left	22.05	/	/	18.76	/	/	<=38.45	Pass
		Edge_1RB_Right	21.93	/	/	18.64	/	/	<=38.45	Pass
		Outer_Full	22.15	/	/	18.86	/	/	<=38.45	Pass
		Inner_Full	23.10	/	/	19.81	/	/	<=38.45	Pass
	836.5	Inner_1RB_Left	22.99	/	/	19.70	/	/	<=38.45	Pass
		Inner_1RB_Right	22.93	/	/	19.64	/	/	<=38.45	Pass
		Edge_1RB_Left	20.99	/	/	17.70	/	/	<=38.45	Pass
		Edge_1RB_Right	20.95	/	/	17.66	/	/	<=38.45	Pass
	839	Outer_Full	21.09	/	/	17.80	/	/	<=38.45	Pass
		Inner_Full	22.12	/	/	18.83	/	/	<=38.45	Pass
		Inner_1RB_Left	21.97	/	/	18.68	/	/	<=38.45	Pass
		Inner_1RB_Right	22.00	/	/	18.71	/	/	<=38.45	Pass
	834	Edge_1RB_Left	21.09	/	/	17.80	/	/	<=38.45	Pass
		Edge_1RB_Right	20.94	/	/	17.65	/	/	<=38.45	Pass
		Outer_Full	21.15	/	/	17.86	/	/	<=38.45	Pass
		Inner_Full	22.12	/	/	18.83	/	/	<=38.45	Pass
	836.5	Inner_1RB_Left	22.11	/	/	18.82	/	/	<=38.45	Pass
		Inner_1RB_Right	21.94	/	/	18.65	/	/	<=38.45	Pass
		Edge_1RB_Left	20.98	/	/	17.69	/	/	<=38.45	Pass
		Edge_1RB_Right	20.89	/	/	17.60	/	/	<=38.45	Pass
	839	Outer_Full	21.17	/	/	17.88	/	/	<=38.45	Pass
		Inner_Full	22.14	/	/	18.85	/	/	<=38.45	Pass
		Inner_1RB_Left	21.98	/	/	18.69	/	/	<=38.45	Pass
		Inner_1RB_Right	21.89	/	/	18.60	/	/	<=38.45	Pass

DFT-s-OFDM 64 QAM	834	Edge_1RB_Left	20.63	/	/	17.34	/	/	<=38.45	Pass
		Edge_1RB_Right	20.62	/	/	17.33	/	/	<=38.45	Pass
		Outer_Full	20.76	/	/	17.47	/	/	<=38.45	Pass
		Inner_Full	20.67	/	/	17.38	/	/	<=38.45	Pass
		Inner_1RB_Left	20.63	/	/	17.34	/	/	<=38.45	Pass
		Inner_1RB_Right	20.63	/	/	17.34	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.78	/	/	17.49	/	/	<=38.45	Pass
		Edge_1RB_Right	20.62	/	/	17.33	/	/	<=38.45	Pass
		Outer_Full	20.73	/	/	17.44	/	/	<=38.45	Pass
		Inner_Full	20.75	/	/	17.46	/	/	<=38.45	Pass
		Inner_1RB_Left	20.83	/	/	17.54	/	/	<=38.45	Pass
		Inner_1RB_Right	20.57	/	/	17.28	/	/	<=38.45	Pass
	839	Edge_1RB_Left	20.63	/	/	17.34	/	/	<=38.45	Pass
		Edge_1RB_Right	20.60	/	/	17.31	/	/	<=38.45	Pass
		Outer_Full	20.66	/	/	17.37	/	/	<=38.45	Pass
		Inner_Full	20.77	/	/	17.48	/	/	<=38.45	Pass
		Inner_1RB_Left	20.65	/	/	17.36	/	/	<=38.45	Pass
		Inner_1RB_Right	20.57	/	/	17.28	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge_1RB_Left	18.15	/	/	14.86	/	/	<=38.45	Pass
		Edge_1RB_Right	18.21	/	/	14.92	/	/	<=38.45	Pass
		Outer_Full	18.69	/	/	15.40	/	/	<=38.45	Pass
		Inner_Full	18.63	/	/	15.34	/	/	<=38.45	Pass
		Inner_1RB_Left	18.15	/	/	14.86	/	/	<=38.45	Pass
		Inner_1RB_Right	18.23	/	/	14.94	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.13	/	/	14.84	/	/	<=38.45	Pass
		Edge_1RB_Right	18.14	/	/	14.85	/	/	<=38.45	Pass
		Outer_Full	18.65	/	/	15.36	/	/	<=38.45	Pass
		Inner_Full	18.62	/	/	15.33	/	/	<=38.45	Pass
		Inner_1RB_Left	18.15	/	/	14.86	/	/	<=38.45	Pass
		Inner_1RB_Right	18.17	/	/	14.88	/	/	<=38.45	Pass
	839	Edge_1RB_Left	18.15	/	/	14.86	/	/	<=38.45	Pass
		Edge_1RB_Right	18.03	/	/	14.74	/	/	<=38.45	Pass
		Outer_Full	18.62	/	/	15.33	/	/	<=38.45	Pass
		Inner_Full	18.59	/	/	15.30	/	/	<=38.45	Pass
		Inner_1RB_Left	18.17	/	/	14.88	/	/	<=38.45	Pass
		Inner_1RB_Right	18.10	/	/	14.81	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge_1RB_Left	20.24	/	/	16.95	/	/	<=38.45	Pass
		Edge_1RB_Right	20.05	/	/	16.76	/	/	<=38.45	Pass
		Outer_Full	20.20	/	/	16.91	/	/	<=38.45	Pass
		Inner_Full	21.62	/	/	18.33	/	/	<=38.45	Pass
		Inner_1RB_Left	21.67	/	/	18.38	/	/	<=38.45	Pass
		Inner_1RB_Right	21.47	/	/	18.18	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.23	/	/	16.94	/	/	<=38.45	Pass
		Edge_1RB_Right	20.04	/	/	16.75	/	/	<=38.45	Pass
		Outer_Full	20.18	/	/	16.89	/	/	<=38.45	Pass
		Inner_Full	21.60	/	/	18.31	/	/	<=38.45	Pass
		Inner_1RB_Left	21.68	/	/	18.39	/	/	<=38.45	Pass
		Inner_1RB_Right	21.39	/	/	18.10	/	/	<=38.45	Pass
	839	Edge_1RB_Left	20.06	/	/	16.77	/	/	<=38.45	Pass
		Edge_1RB_Right	20.02	/	/	16.73	/	/	<=38.45	Pass
		Outer_Full	20.14	/	/	16.85	/	/	<=38.45	Pass
		Inner_Full	21.65	/	/	18.36	/	/	<=38.45	Pass
		Inner_1RB_Left	21.58	/	/	18.29	/	/	<=38.45	Pass

		Inner 1RB Right	21.39	/	/	18.10	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge 1RB Left	20.09	/	/	16.80	/	/	<=38.45	Pass
		Edge 1RB Right	19.99	/	/	16.70	/	/	<=38.45	Pass
		Outer Full	20.16	/	/	16.87	/	/	<=38.45	Pass
		Inner Full	21.12	/	/	17.83	/	/	<=38.45	Pass
		Inner 1RB Left	21.12	/	/	17.83	/	/	<=38.45	Pass
		Inner 1RB Right	20.93	/	/	17.64	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.15	/	/	16.86	/	/	<=38.45	Pass
		Edge 1RB Right	19.97	/	/	16.68	/	/	<=38.45	Pass
		Outer Full	20.12	/	/	16.83	/	/	<=38.45	Pass
		Inner Full	21.15	/	/	17.86	/	/	<=38.45	Pass
		Inner 1RB Left	21.15	/	/	17.86	/	/	<=38.45	Pass
		Inner 1RB Right	20.95	/	/	17.66	/	/	<=38.45	Pass
	839	Edge 1RB Left	20.07	/	/	16.78	/	/	<=38.45	Pass
		Edge 1RB Right	19.97	/	/	16.68	/	/	<=38.45	Pass
		Outer Full	20.06	/	/	16.77	/	/	<=38.45	Pass
		Inner Full	21.15	/	/	17.86	/	/	<=38.45	Pass
		Inner 1RB Left	21.15	/	/	17.86	/	/	<=38.45	Pass
		Inner 1RB Right	20.86	/	/	17.57	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge 1RB Left	19.73	/	/	16.44	/	/	<=38.45	Pass
		Edge 1RB Right	19.64	/	/	16.35	/	/	<=38.45	Pass
		Outer Full	19.63	/	/	16.34	/	/	<=38.45	Pass
		Inner Full	19.65	/	/	16.36	/	/	<=38.45	Pass
		Inner 1RB Left	19.72	/	/	16.43	/	/	<=38.45	Pass
		Inner 1RB Right	19.46	/	/	16.17	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.77	/	/	16.48	/	/	<=38.45	Pass
		Edge 1RB Right	19.53	/	/	16.24	/	/	<=38.45	Pass
		Outer Full	19.69	/	/	16.40	/	/	<=38.45	Pass
		Inner Full	19.70	/	/	16.41	/	/	<=38.45	Pass
		Inner 1RB Left	19.73	/	/	16.44	/	/	<=38.45	Pass
		Inner 1RB Right	19.52	/	/	16.23	/	/	<=38.45	Pass
	839	Edge 1RB Left	19.76	/	/	16.47	/	/	<=38.45	Pass
		Edge 1RB Right	19.52	/	/	16.23	/	/	<=38.45	Pass
		Outer Full	19.64	/	/	16.35	/	/	<=38.45	Pass
		Inner Full	19.67	/	/	16.38	/	/	<=38.45	Pass
		Inner 1RB Left	19.61	/	/	16.32	/	/	<=38.45	Pass
		Inner 1RB Right	19.40	/	/	16.11	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Edge 1RB Left	16.31	/	/	13.02	/	/	<=38.45	Pass
		Edge 1RB Right	16.40	/	/	13.11	/	/	<=38.45	Pass
		Outer Full	16.58	/	/	13.29	/	/	<=38.45	Pass
		Inner Full	16.55	/	/	13.26	/	/	<=38.45	Pass
		Inner 1RB Left	16.29	/	/	13.00	/	/	<=38.45	Pass
		Inner 1RB Right	16.31	/	/	13.02	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	16.27	/	/	12.98	/	/	<=38.45	Pass
		Edge 1RB Right	16.30	/	/	13.01	/	/	<=38.45	Pass
		Outer Full	16.69	/	/	13.40	/	/	<=38.45	Pass
		Inner Full	16.71	/	/	13.42	/	/	<=38.45	Pass
		Inner 1RB Left	16.26	/	/	12.97	/	/	<=38.45	Pass
		Inner 1RB Right	16.18	/	/	12.89	/	/	<=38.45	Pass
	839	Edge 1RB Left	16.27	/	/	12.98	/	/	<=38.45	Pass
		Edge 1RB Right	16.24	/	/	12.95	/	/	<=38.45	Pass
		Outer Full	16.68	/	/	13.39	/	/	<=38.45	Pass
		Inner Full	16.62	/	/	13.33	/	/	<=38.45	Pass



Report No.: SUCR260400031710

Page: 14 of 93

		Inner_1RB_Left	16.22	/	/	12.93	/	/	<=38.45	Pass
		Inner_1RB_Right	16.17	/	/	12.88	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant0: -1.14dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 15_S_20M

5G NR n5 SCS=15kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
				HV	-9.90	-0.0118	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			0	NV	-11.40	-0.0136	>=-2.5 & <=2.5	Pass
			10	NV	-9.50	-0.0114	>=-2.5 & <=2.5	Pass
			20	NV	-14.90	-0.0178	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
			40	NV	-9.80	-0.0117	>=-2.5 & <=2.5	Pass
			50	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15_S_5M_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	836.5	Outer_Full	4.49	5.08	/	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	4.49	5.08	/	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	4.50	5.09	/	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	4.50	5.10	/	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	4.50	5.17	/	Pass
CP-OFDM QPSK	836.5	Outer_Full	4.51	5.26	/	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	4.56	5.28	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	4.52	5.24	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	4.54	5.22	/	Pass

3.1.2 15_S_10M_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	836.5	Outer_Full	8.90	9.58	/	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	8.91	9.65	/	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	8.94	9.69	/	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	8.92	9.62	/	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	8.90	9.58	/	Pass
CP-OFDM QPSK	836.5	Outer_Full	9.27	10.10	/	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	9.27	10.04	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	9.27	9.99	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	9.29	10.15	/	Pass

3.1.3 15_S_15M_NTNV

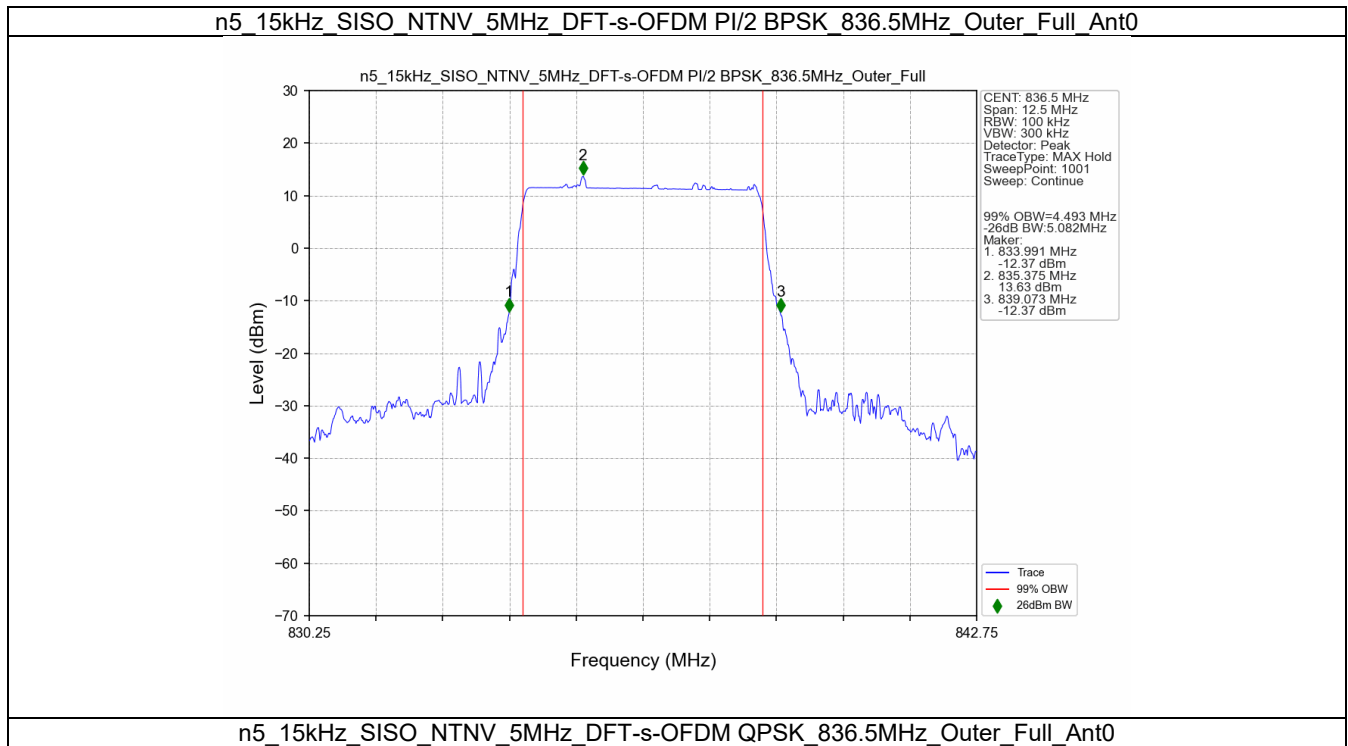
5G NR n5 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	836.5	Outer_Full	13.40	14.27	/	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	13.41	14.37	/	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	13.45	14.44	/	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	13.41	14.41	/	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	13.44	14.25	/	Pass
CP-OFDM QPSK	836.5	Outer_Full	14.09	15.02	/	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	14.11	15.16	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	14.14	15.02	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	14.09	15.04	/	Pass

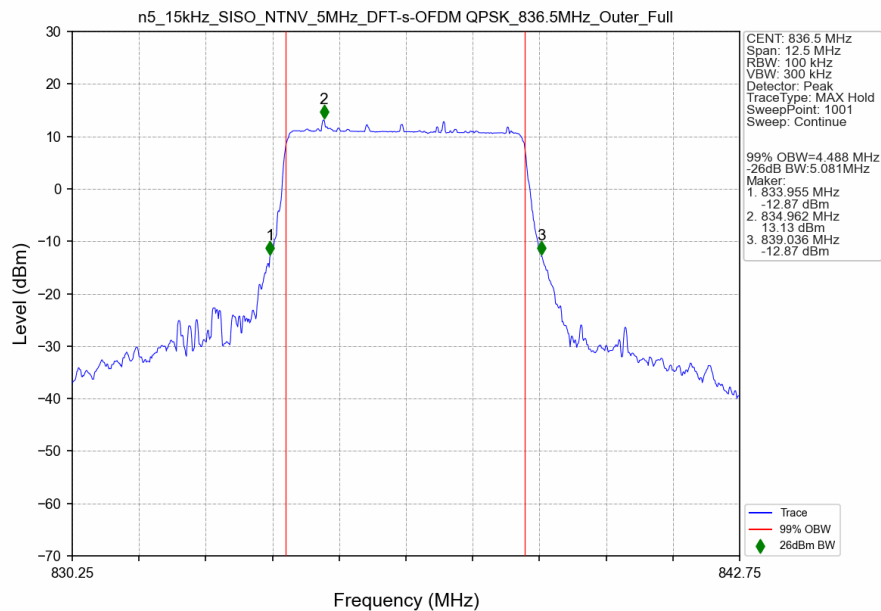
3.1.4 15_S_20M_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	836.5	Outer_Full	17.83	18.80	/	Pass
DFT-s-OFDM QPSK	836.5	Outer_Full	17.84	18.86	/	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	17.84	18.76	/	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	17.86	18.84	/	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	17.82	18.72	/	Pass
CP-OFDM QPSK	836.5	Outer_Full	18.88	20.06	/	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	18.93	19.98	/	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	18.90	19.95	/	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	18.90	19.95	/	Pass

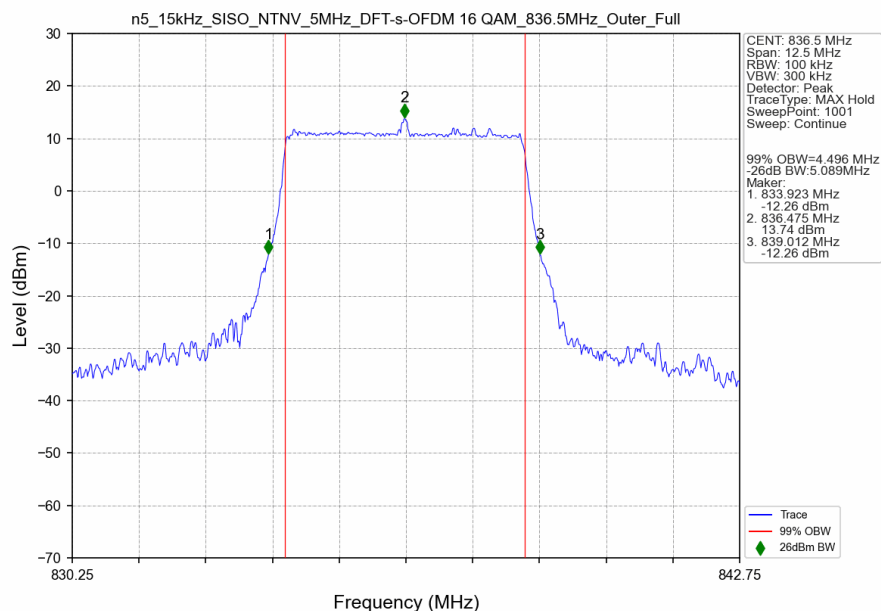
3.2 Test Graph

3.2.1 15_S_5M_NTNV

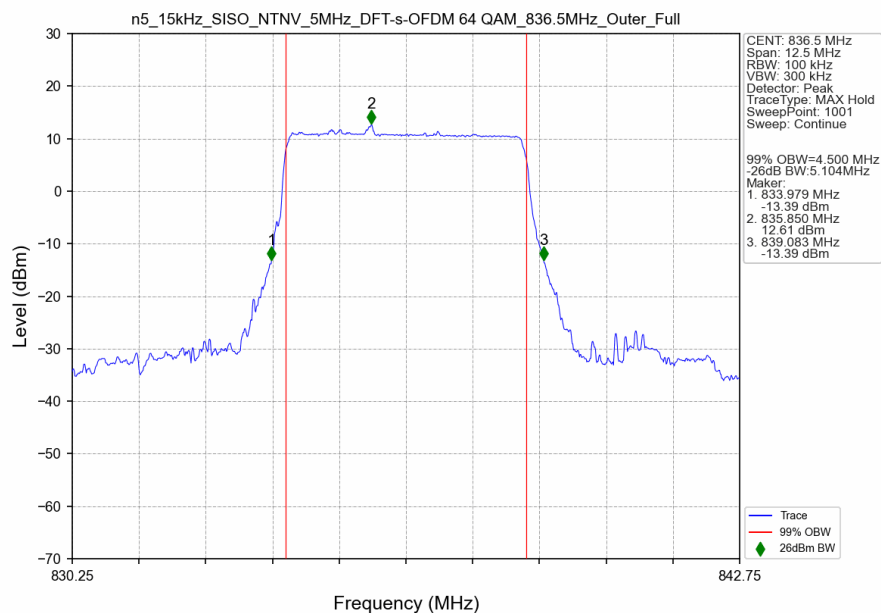




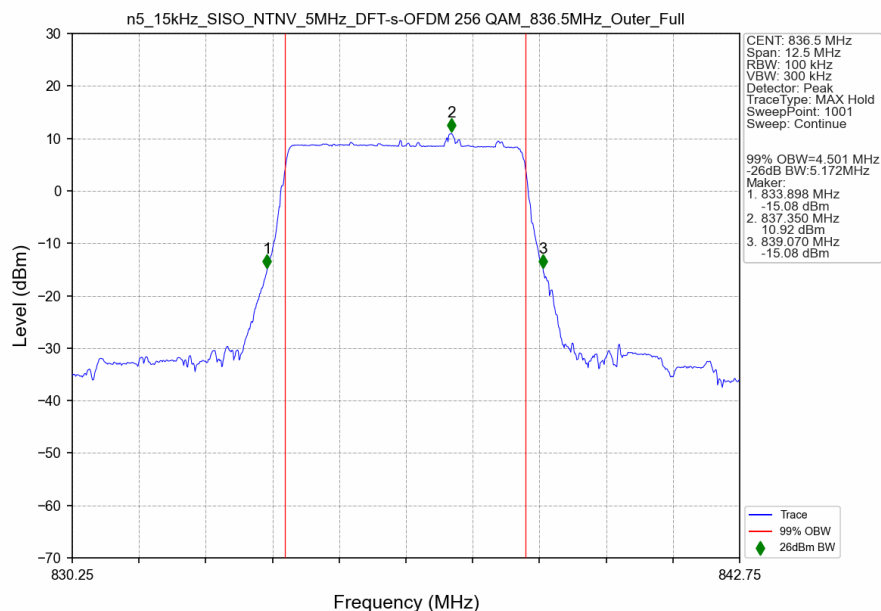
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant0



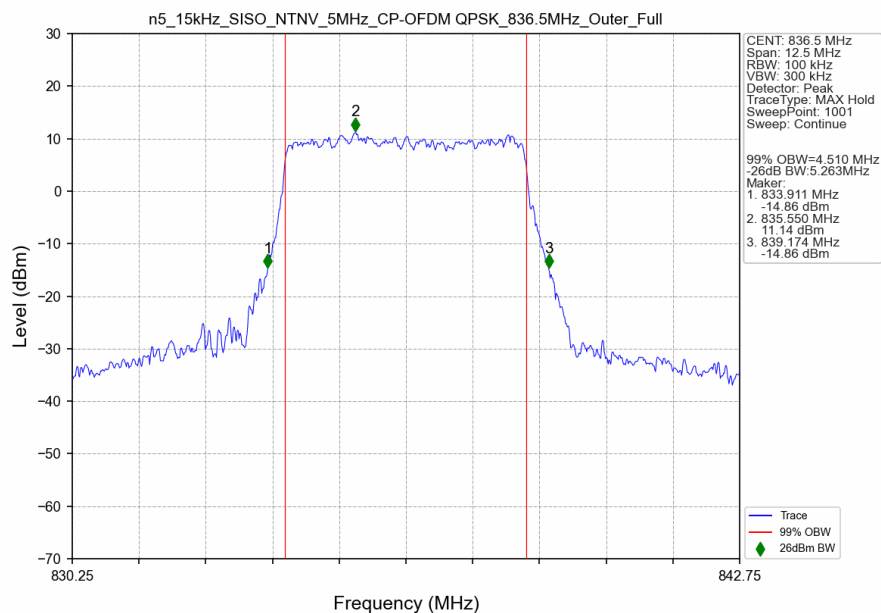
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant0



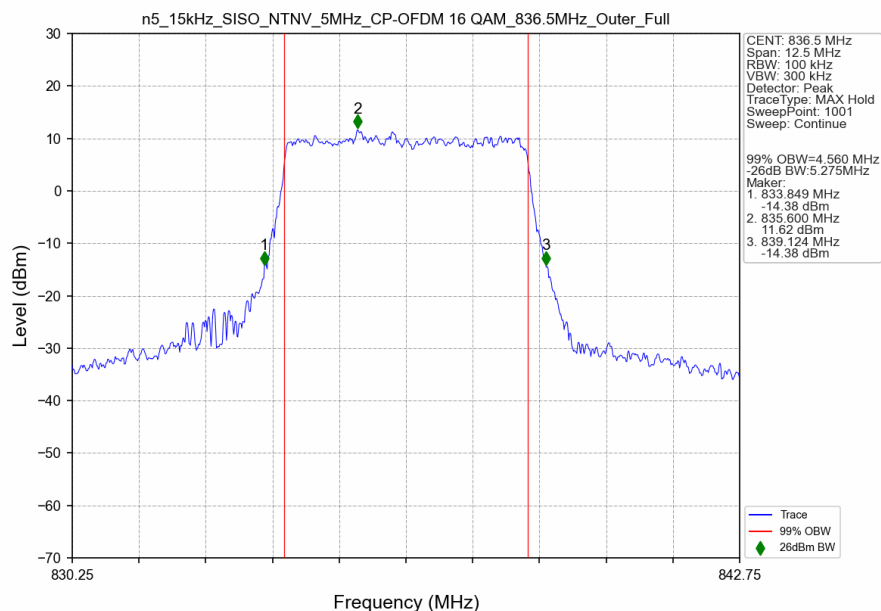
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM 836.5MHz_Outer_Full_Ant0



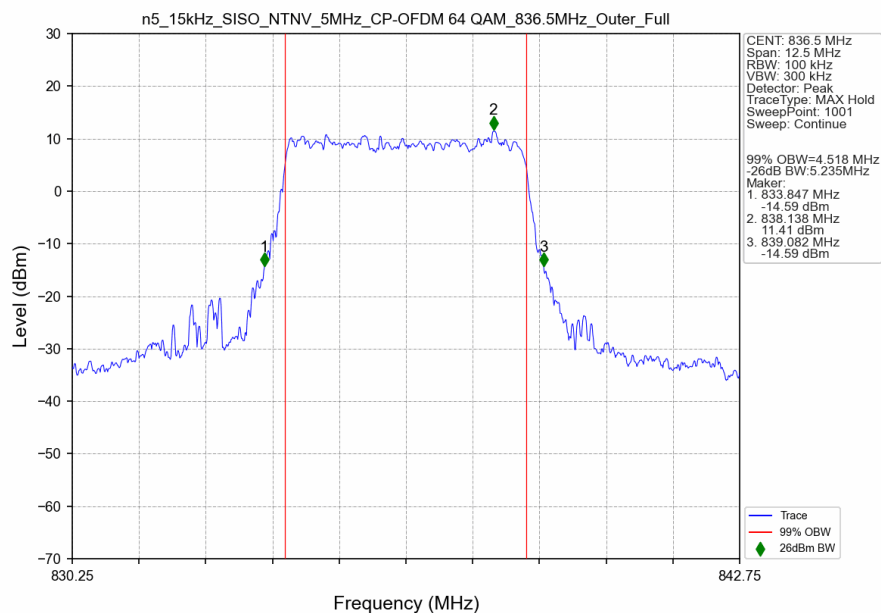
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK 836.5MHz_Outer_Full_Ant0



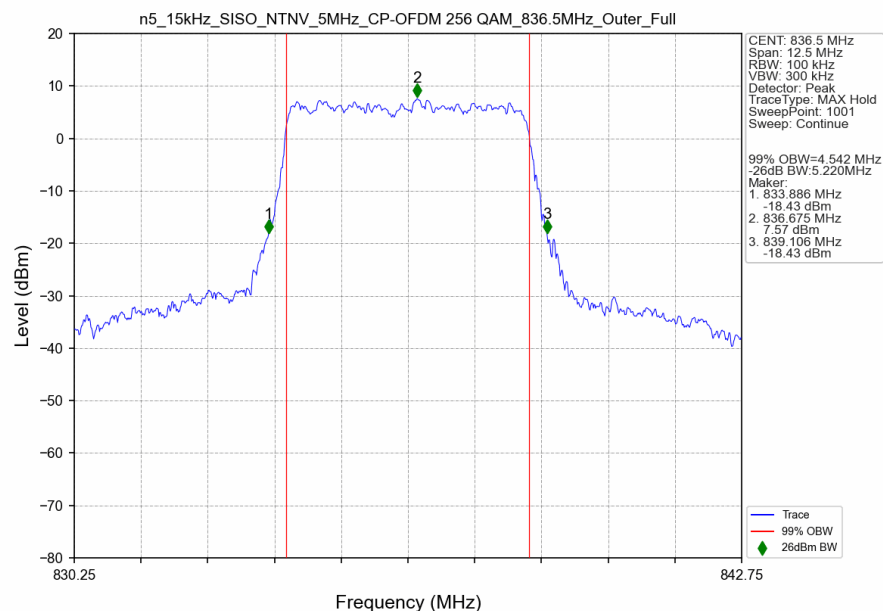
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_836.5MHz_Outer_Full_Ant0



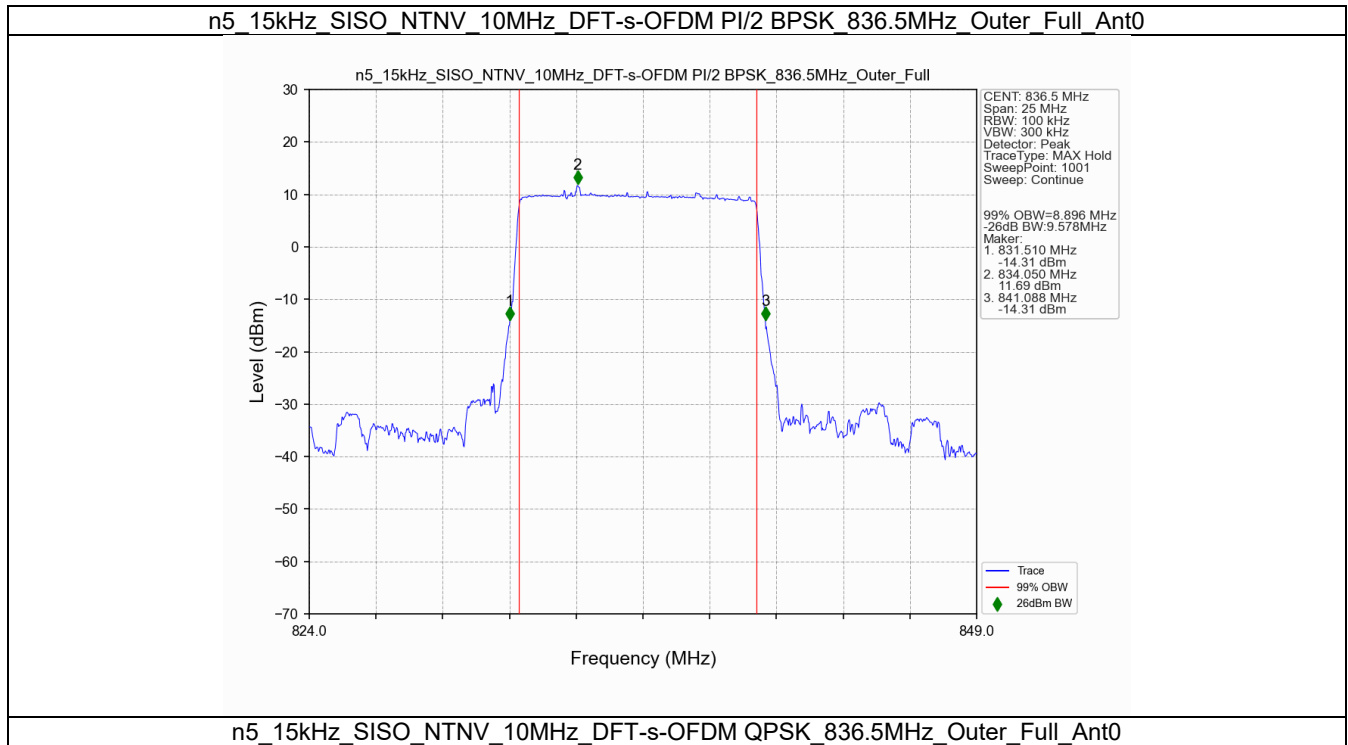
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_836.5MHz_Outer_Full_Ant0

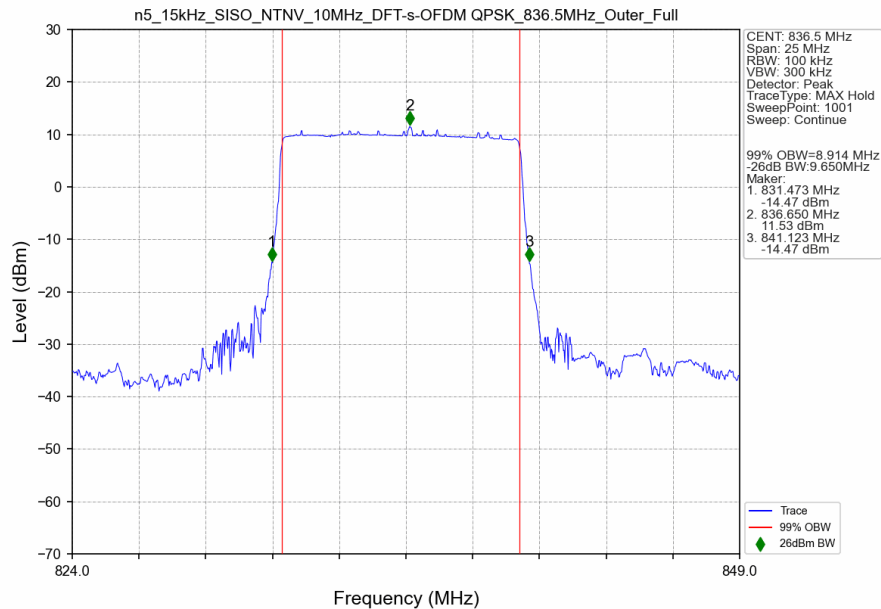


n5_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM 836.5MHz_Outer_Full_Ant0

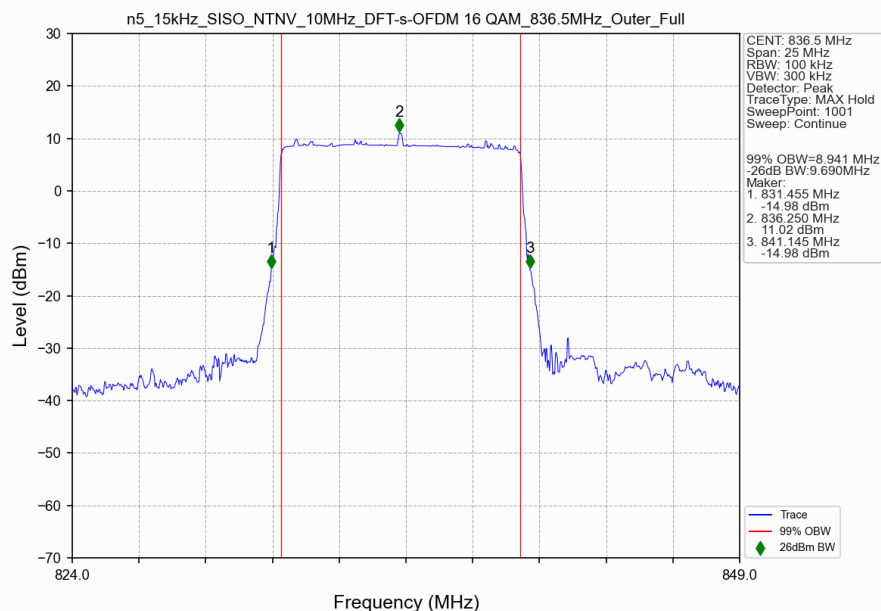


3.2.2 15_S_10M_NTNV

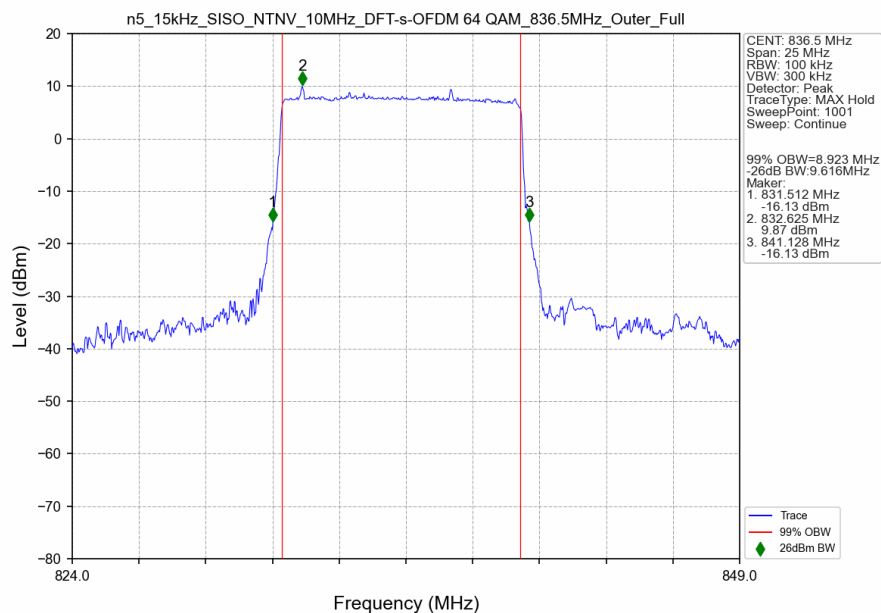




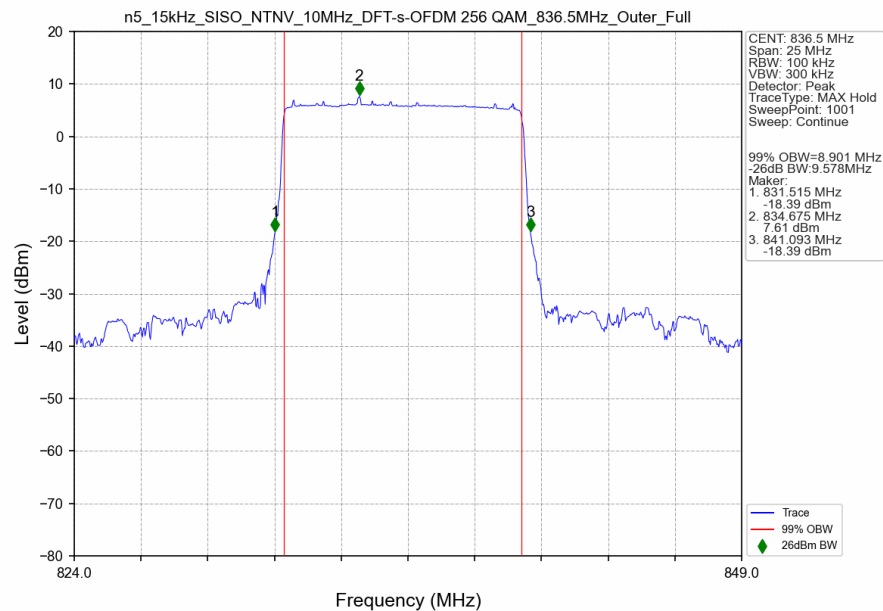
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM 836.5MHz_Outer_Full_Ant0



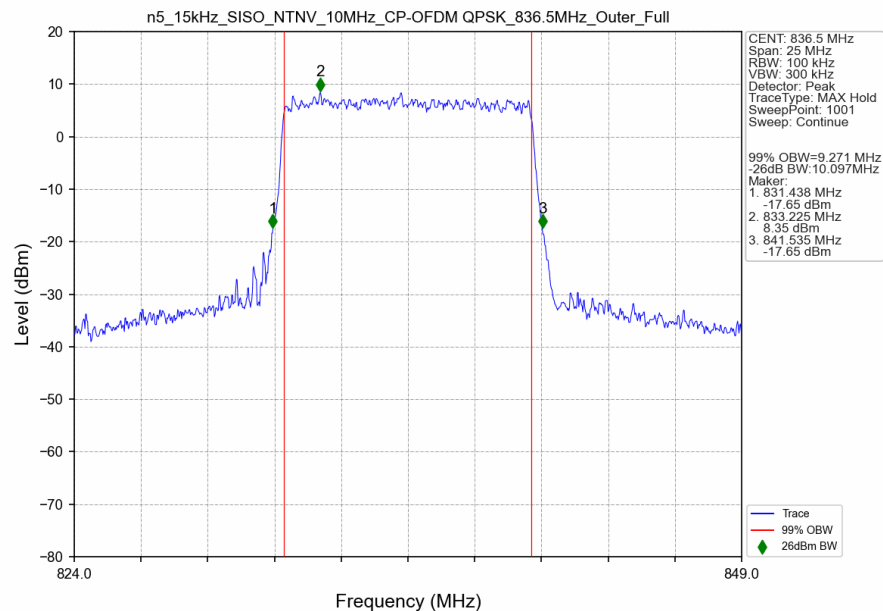
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM 836.5MHz_Outer_Full_Ant0



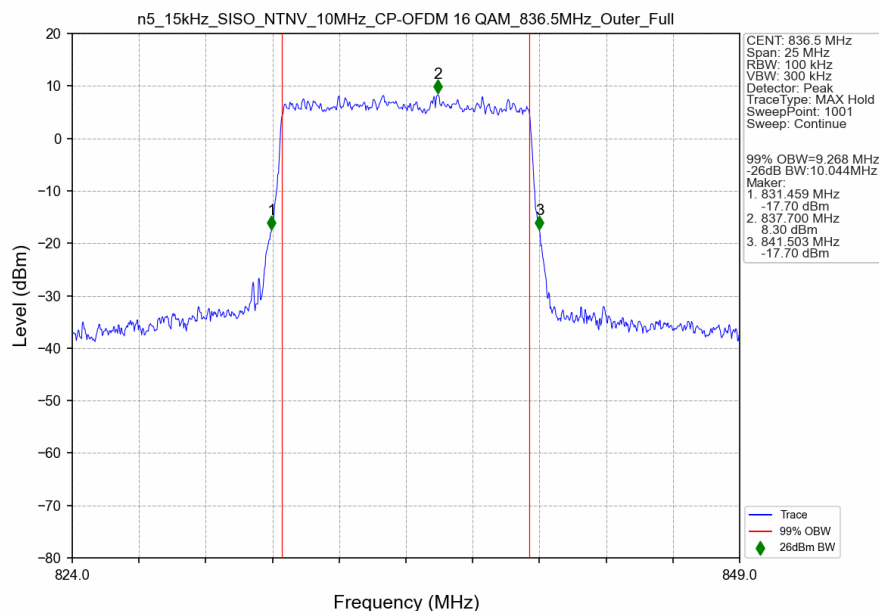
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



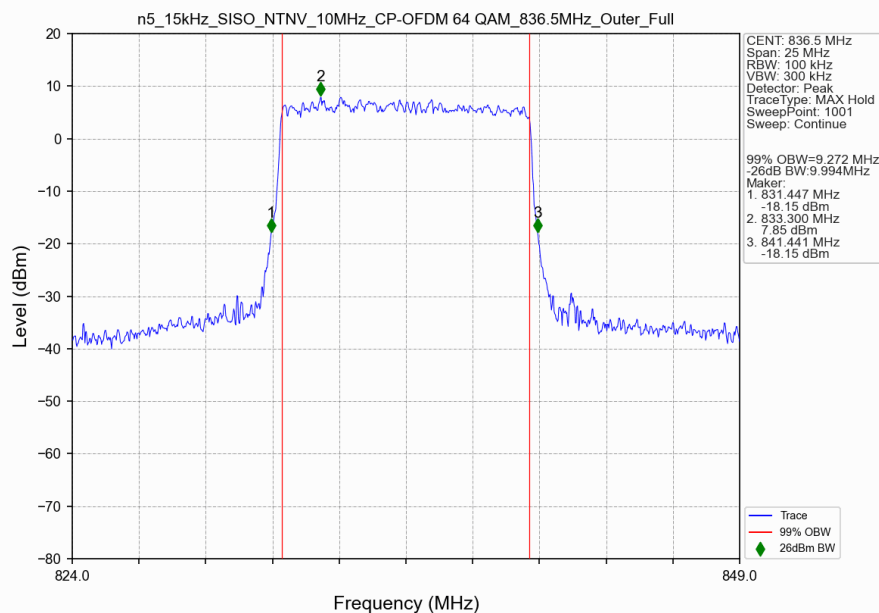
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant0



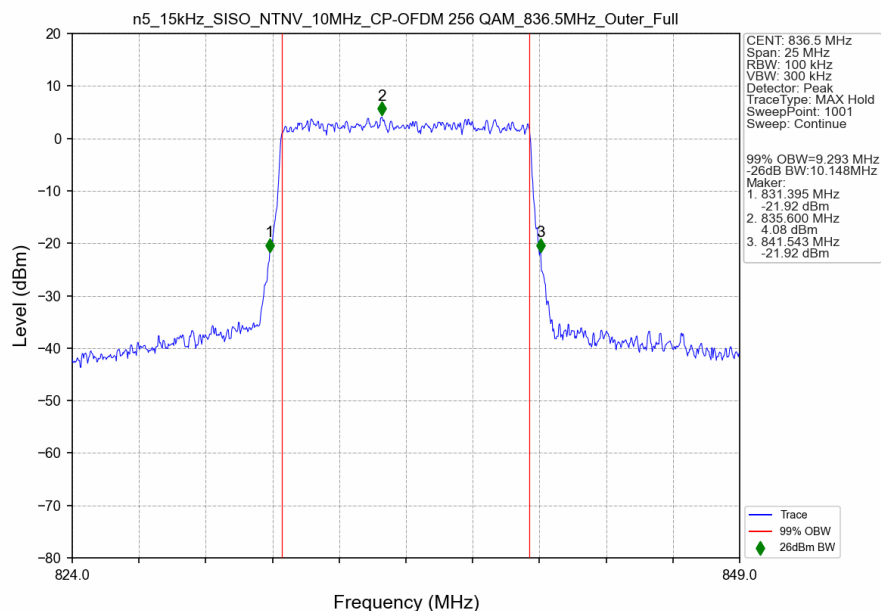
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 836.5MHz_Outer_Full_Ant0



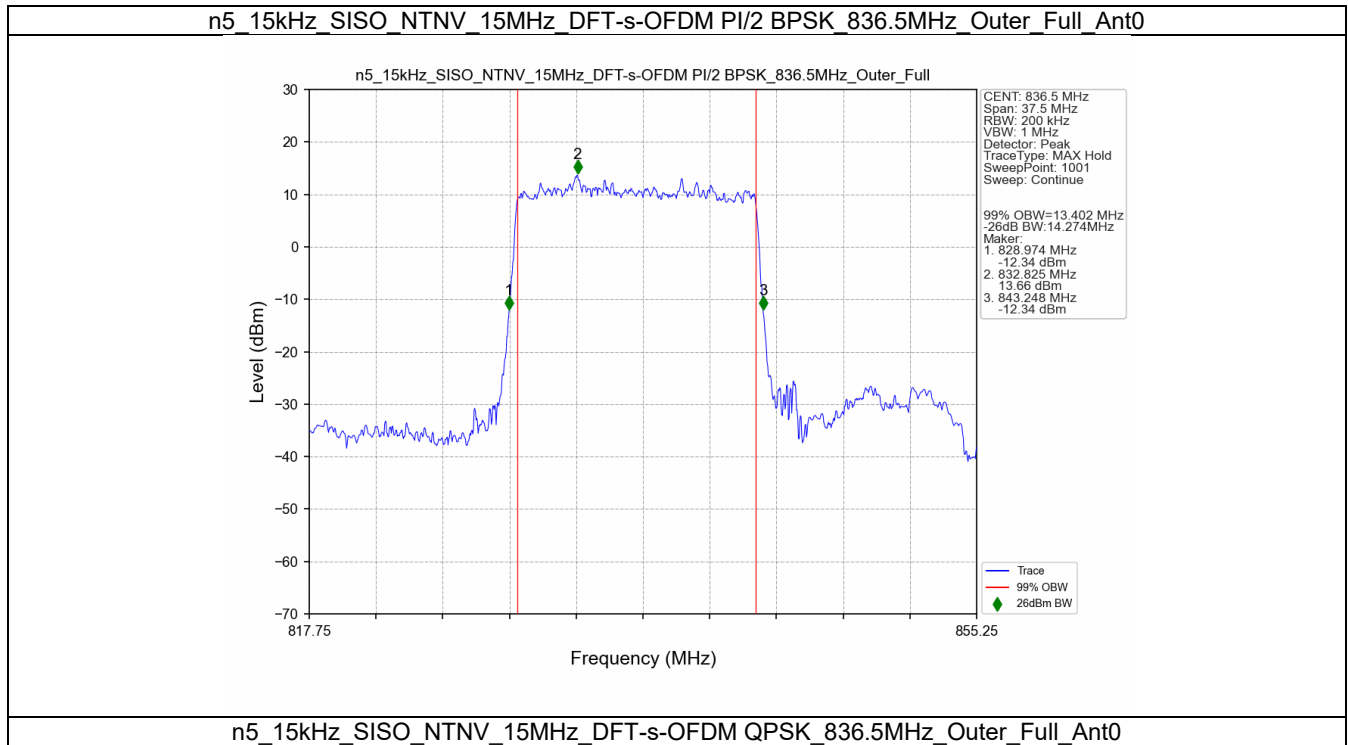
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 836.5MHz_Outer_Full_Ant0

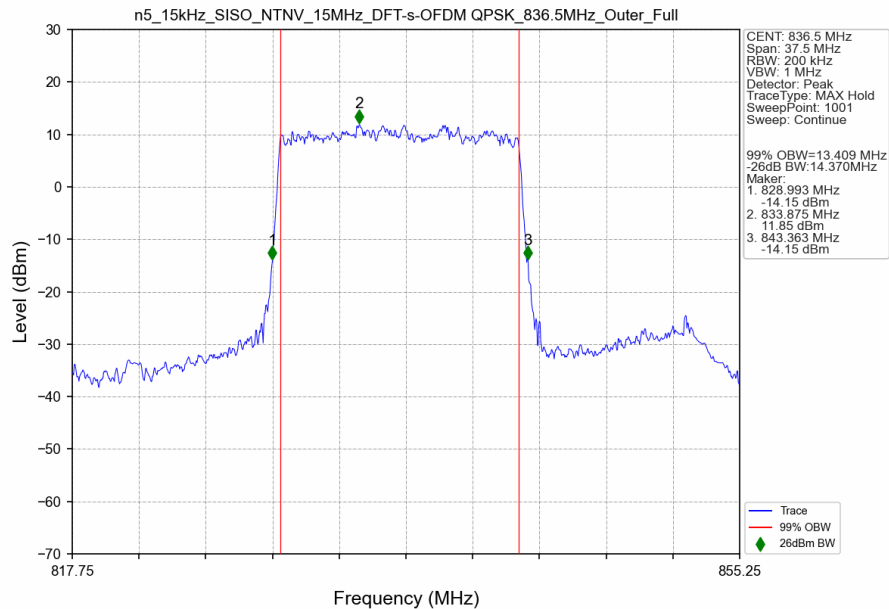


n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0

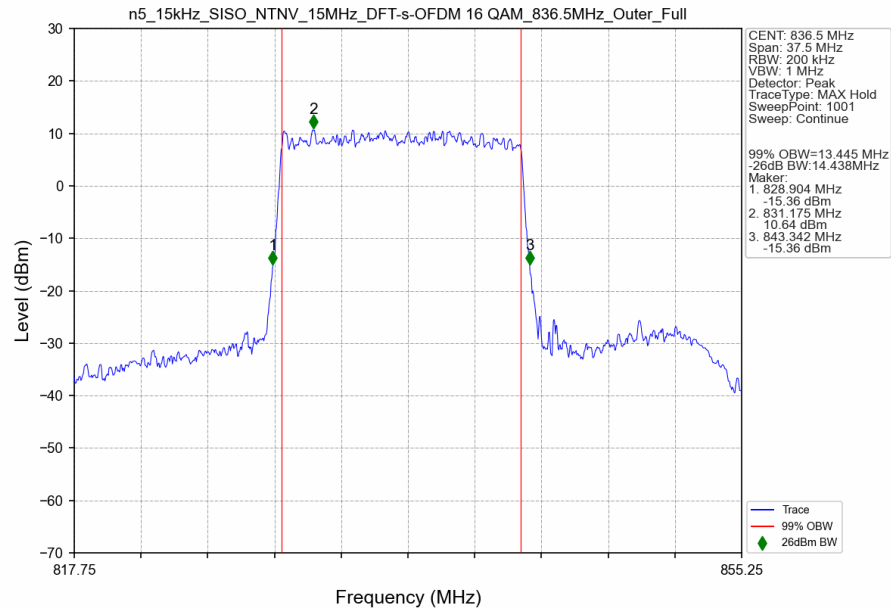


3.2.3 15_S_15M_NTNV

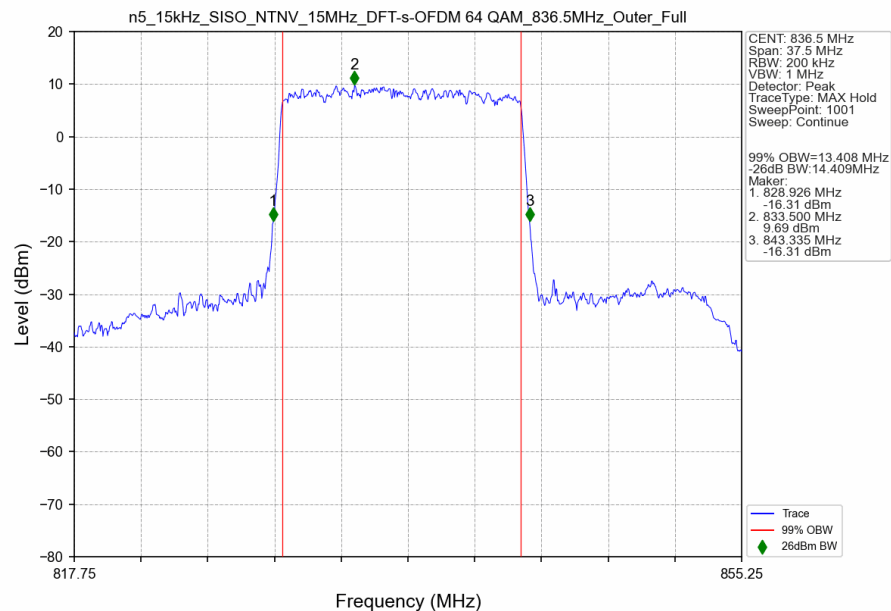




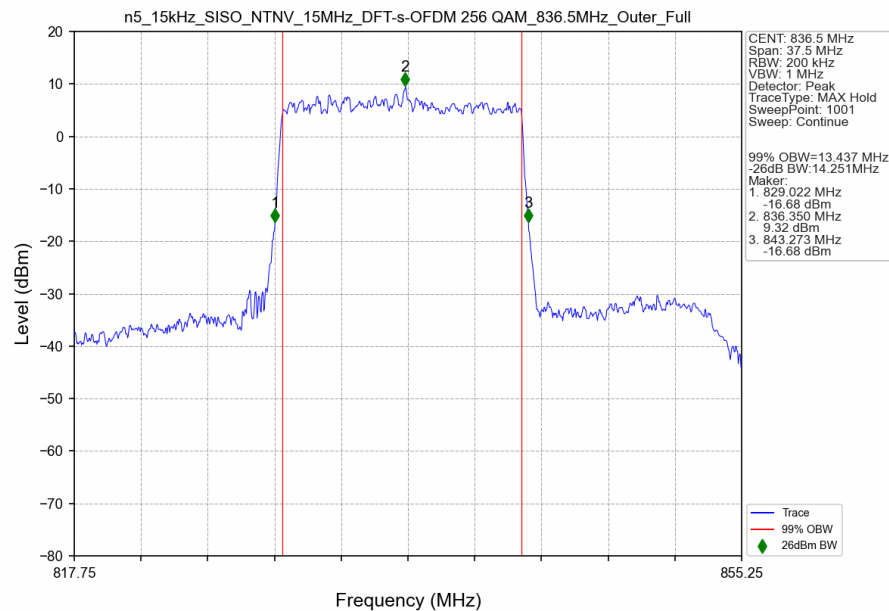
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM 836.5MHz_Outer_Full_Ant0



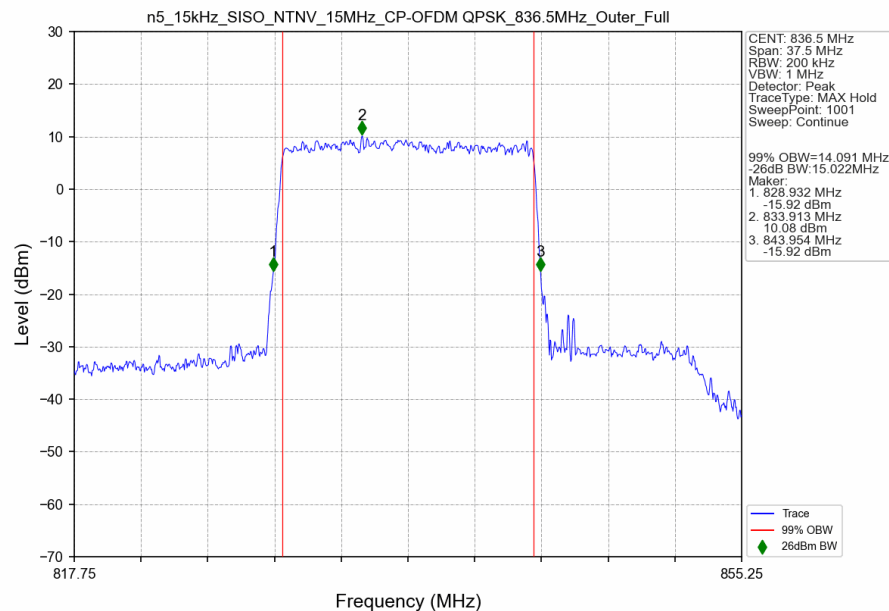
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM 836.5MHz_Outer_Full_Ant0



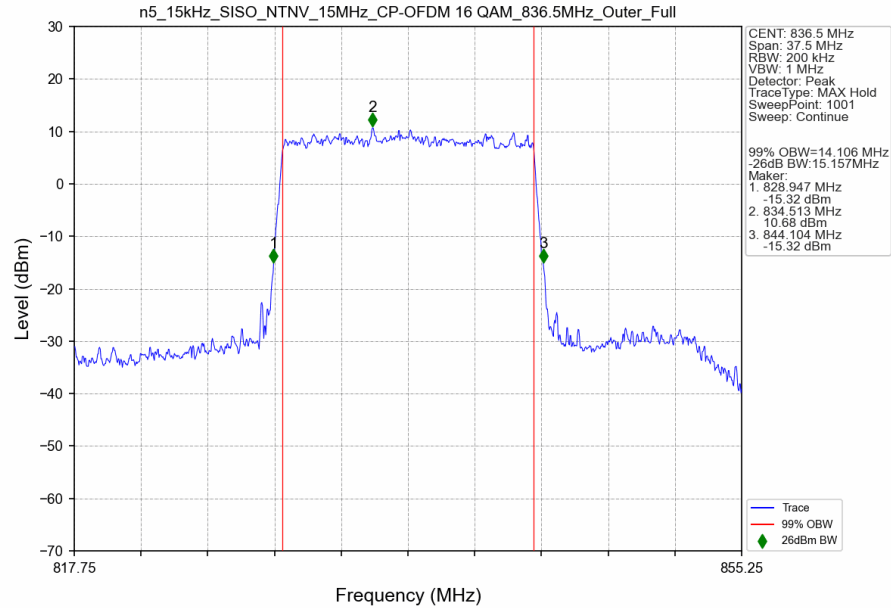
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0



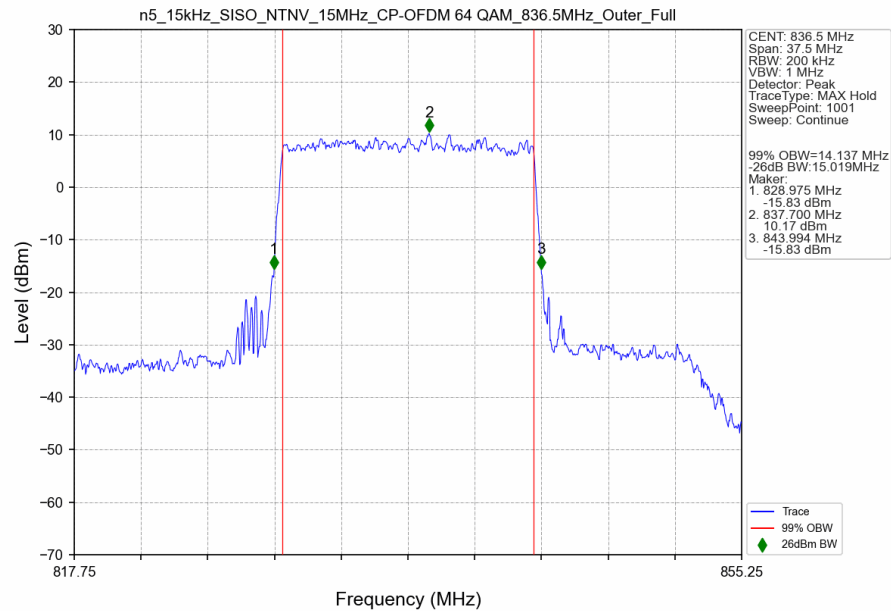
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant0



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_836.5MHz_Outer_Full_Ant0



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_836.5MHz_Outer_Full_Ant0



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant0

