

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_EIRP

5G NR n2 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Edge_1RB_Left	21.92	/	/	20.32	/	/	<=33	Pass
		Edge_1RB_Right	21.95	/	/	20.35	/	/	<=33	Pass
		Outer_Full	22.02	/	/	20.42	/	/	<=33	Pass
		Inner_Full	22.56	/	/	20.96	/	/	<=33	Pass
		Inner_1RB_Left	22.44	/	/	20.84	/	/	<=33	Pass
		Inner_1RB_Right	22.48	/	/	20.88	/	/	<=33	Pass
	1852.5	Edge_1RB_Left	22.11	/	/	20.51	/	/	<=33	Pass
		Edge_1RB_Right	22.12	/	/	20.52	/	/	<=33	Pass
		Outer_Full	22.20	/	/	20.60	/	/	<=33	Pass
		Inner_Full	22.76	/	/	21.16	/	/	<=33	Pass
		Inner_1RB_Left	22.64	/	/	21.04	/	/	<=33	Pass
		Inner_1RB_Right	22.63	/	/	21.03	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	21.78	/	/	20.18	/	/	<=33	Pass
		Edge_1RB_Right	21.81	/	/	20.21	/	/	<=33	Pass
		Outer_Full	21.90	/	/	20.30	/	/	<=33	Pass
		Inner_Full	22.47	/	/	20.87	/	/	<=33	Pass
		Inner_1RB_Left	22.31	/	/	20.71	/	/	<=33	Pass
		Inner_1RB_Right	22.34	/	/	20.74	/	/	<=33	Pass
DFT-s-OFDM QPSK	1880	Edge_1RB_Left	21.50	/	/	19.90	/	/	<=33	Pass
		Edge_1RB_Right	21.53	/	/	19.93	/	/	<=33	Pass
		Outer_Full	21.50	/	/	19.90	/	/	<=33	Pass
		Inner_Full	22.55	/	/	20.95	/	/	<=33	Pass
		Inner_1RB_Left	22.57	/	/	20.97	/	/	<=33	Pass
		Inner_1RB_Right	22.58	/	/	20.98	/	/	<=33	Pass
	1852.5	Edge_1RB_Left	21.64	/	/	20.04	/	/	<=33	Pass
		Edge_1RB_Right	21.68	/	/	20.08	/	/	<=33	Pass
		Outer_Full	21.68	/	/	20.08	/	/	<=33	Pass
		Inner_Full	22.75	/	/	21.15	/	/	<=33	Pass
		Inner_1RB_Left	22.73	/	/	21.13	/	/	<=33	Pass
		Inner_1RB_Right	22.77	/	/	21.17	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	21.43	/	/	19.83	/	/	<=33	Pass
		Edge_1RB_Right	21.44	/	/	19.84	/	/	<=33	Pass
		Outer_Full	21.39	/	/	19.79	/	/	<=33	Pass
		Inner_Full	22.46	/	/	20.86	/	/	<=33	Pass
		Inner_1RB_Left	22.52	/	/	20.92	/	/	<=33	Pass
		Inner_1RB_Right	22.52	/	/	20.92	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1880	Edge_1RB_Left	20.70	/	/	19.10	/	/	<=33	Pass
		Edge_1RB_Right	20.69	/	/	19.09	/	/	<=33	Pass
		Outer_Full	20.52	/	/	18.92	/	/	<=33	Pass
		Inner_Full	21.54	/	/	19.94	/	/	<=33	Pass
		Inner_1RB_Left	21.71	/	/	20.11	/	/	<=33	Pass
		Inner_1RB_Right	21.73	/	/	20.13	/	/	<=33	Pass
	1852.5	Edge_1RB_Left	20.85	/	/	19.25	/	/	<=33	Pass
		Edge_1RB_Right	20.84	/	/	19.24	/	/	<=33	Pass
		Outer_Full	20.71	/	/	19.11	/	/	<=33	Pass
		Inner_Full	21.74	/	/	20.14	/	/	<=33	Pass
		Inner_1RB_Left	21.86	/	/	20.26	/	/	<=33	Pass
		Inner_1RB_Right	21.84	/	/	20.24	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	20.59	/	/	18.99	/	/	<=33	Pass

		Edge 1RB Right	20.62	/	/	19.02	/	/	<=33	Pass
		Outer Full	20.47	/	/	18.87	/	/	<=33	Pass
		Inner Full	21.48	/	/	19.88	/	/	<=33	Pass
		Inner 1RB Left	21.59	/	/	19.99	/	/	<=33	Pass
		Inner 1RB Right	21.65	/	/	20.05	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1880	Edge 1RB Left	19.80	/	/	18.20	/	/	<=33	Pass
		Edge 1RB Right	19.79	/	/	18.19	/	/	<=33	Pass
		Outer Full	20.09	/	/	18.49	/	/	<=33	Pass
		Inner Full	20.03	/	/	18.43	/	/	<=33	Pass
		Inner 1RB Left	19.81	/	/	18.21	/	/	<=33	Pass
		Inner 1RB Right	19.79	/	/	18.19	/	/	<=33	Pass
	1852.5	Edge 1RB Left	19.98	/	/	18.38	/	/	<=33	Pass
		Edge 1RB Right	20.01	/	/	18.41	/	/	<=33	Pass
		Outer Full	20.27	/	/	18.67	/	/	<=33	Pass
		Inner Full	20.23	/	/	18.63	/	/	<=33	Pass
		Inner 1RB Left	19.96	/	/	18.36	/	/	<=33	Pass
		Inner 1RB Right	19.93	/	/	18.33	/	/	<=33	Pass
	1907.5	Edge 1RB Left	19.70	/	/	18.10	/	/	<=33	Pass
		Edge 1RB Right	19.74	/	/	18.14	/	/	<=33	Pass
		Outer Full	20.04	/	/	18.44	/	/	<=33	Pass
		Inner Full	19.98	/	/	18.38	/	/	<=33	Pass
		Inner 1RB Left	19.70	/	/	18.10	/	/	<=33	Pass
		Inner 1RB Right	19.74	/	/	18.14	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1880	Edge 1RB Left	17.86	/	/	16.26	/	/	<=33	Pass
		Edge 1RB Right	17.89	/	/	16.29	/	/	<=33	Pass
		Outer Full	17.91	/	/	16.31	/	/	<=33	Pass
		Inner Full	18.03	/	/	16.43	/	/	<=33	Pass
		Inner 1RB Left	17.88	/	/	16.28	/	/	<=33	Pass
		Inner 1RB Right	17.90	/	/	16.30	/	/	<=33	Pass
	1852.5	Edge 1RB Left	18.13	/	/	16.53	/	/	<=33	Pass
		Edge 1RB Right	18.16	/	/	16.56	/	/	<=33	Pass
		Outer Full	18.25	/	/	16.65	/	/	<=33	Pass
		Inner Full	18.36	/	/	16.76	/	/	<=33	Pass
		Inner 1RB Left	18.20	/	/	16.60	/	/	<=33	Pass
		Inner 1RB Right	18.16	/	/	16.56	/	/	<=33	Pass
	1907.5	Edge 1RB Left	17.93	/	/	16.33	/	/	<=33	Pass
		Edge 1RB Right	18.01	/	/	16.41	/	/	<=33	Pass
		Outer Full	18.02	/	/	16.42	/	/	<=33	Pass
		Inner Full	18.17	/	/	16.57	/	/	<=33	Pass
		Inner 1RB Left	17.95	/	/	16.35	/	/	<=33	Pass
		Inner 1RB Right	18.01	/	/	16.41	/	/	<=33	Pass
CP-OFDM QPSK	1880	Edge 1RB Left	19.43	/	/	17.83	/	/	<=33	Pass
		Edge 1RB Right	19.45	/	/	17.85	/	/	<=33	Pass
		Outer Full	19.41	/	/	17.81	/	/	<=33	Pass
		Inner Full	20.97	/	/	19.37	/	/	<=33	Pass
		Inner 1RB Left	20.97	/	/	19.37	/	/	<=33	Pass
		Inner 1RB Right	20.98	/	/	19.38	/	/	<=33	Pass
	1852.5	Edge 1RB Left	19.56	/	/	17.96	/	/	<=33	Pass
		Edge 1RB Right	19.59	/	/	17.99	/	/	<=33	Pass
		Outer Full	19.61	/	/	18.01	/	/	<=33	Pass
		Inner Full	21.16	/	/	19.56	/	/	<=33	Pass
		Inner 1RB Left	21.12	/	/	19.52	/	/	<=33	Pass
		Inner 1RB Right	21.10	/	/	19.50	/	/	<=33	Pass
	1907.5	Edge 1RB Left	19.34	/	/	17.74	/	/	<=33	Pass
		Edge 1RB Right	19.30	/	/	17.70	/	/	<=33	Pass
		Outer Full	19.34	/	/	17.74	/	/	<=33	Pass
		Inner Full	20.87	/	/	19.27	/	/	<=33	Pass
		Inner 1RB Left	20.93	/	/	19.33	/	/	<=33	Pass
		Inner 1RB Right	20.84	/	/	19.24	/	/	<=33	Pass

1.1.2 15k_SISO_10MHz_NTNV_EIRP

5G NR n2 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Edge 1RB Left	22.03	/	/	20.43	/	/	<=33	Pass
		Edge 1RB Right	22.02	/	/	20.42	/	/	<=33	Pass
		Outer Full	21.99	/	/	20.39	/	/	<=33	Pass
		Inner Full	22.57	/	/	20.97	/	/	<=33	Pass
		Inner 1RB Left	22.54	/	/	20.94	/	/	<=33	Pass
		Inner 1RB Right	22.52	/	/	20.92	/	/	<=33	Pass
	1855	Edge 1RB Left	22.25	/	/	20.65	/	/	<=33	Pass
		Edge 1RB Right	22.21	/	/	20.61	/	/	<=33	Pass
		Outer Full	22.20	/	/	20.60	/	/	<=33	Pass
		Inner Full	22.80	/	/	21.20	/	/	<=33	Pass
		Inner 1RB Left	22.76	/	/	21.16	/	/	<=33	Pass
		Inner 1RB Right	22.71	/	/	21.11	/	/	<=33	Pass
	1905	Edge 1RB Left	21.90	/	/	20.30	/	/	<=33	Pass
		Edge 1RB Right	21.93	/	/	20.33	/	/	<=33	Pass
		Outer Full	21.92	/	/	20.32	/	/	<=33	Pass
		Inner Full	22.48	/	/	20.88	/	/	<=33	Pass
		Inner 1RB Left	22.40	/	/	20.80	/	/	<=33	Pass
		Inner 1RB Right	22.44	/	/	20.84	/	/	<=33	Pass
DFT-s-OFDM QPSK	1880	Edge 1RB Left	21.59	/	/	19.99	/	/	<=33	Pass
		Edge 1RB Right	21.57	/	/	19.97	/	/	<=33	Pass
		Outer Full	21.49	/	/	19.89	/	/	<=33	Pass
		Inner Full	22.54	/	/	20.94	/	/	<=33	Pass
		Inner 1RB Left	22.67	/	/	21.07	/	/	<=33	Pass
		Inner 1RB Right	22.62	/	/	21.02	/	/	<=33	Pass
	1855	Edge 1RB Left	21.84	/	/	20.24	/	/	<=33	Pass
		Edge 1RB Right	21.79	/	/	20.19	/	/	<=33	Pass
		Outer Full	21.72	/	/	20.12	/	/	<=33	Pass
		Inner Full	22.79	/	/	21.19	/	/	<=33	Pass
		Inner 1RB Left	22.90	/	/	21.30	/	/	<=33	Pass
		Inner 1RB Right	22.85	/	/	21.25	/	/	<=33	Pass
	1905	Edge 1RB Left	21.47	/	/	19.87	/	/	<=33	Pass
		Edge 1RB Right	21.52	/	/	19.92	/	/	<=33	Pass
		Outer Full	21.40	/	/	19.80	/	/	<=33	Pass
		Inner Full	22.43	/	/	20.83	/	/	<=33	Pass
		Inner 1RB Left	22.51	/	/	20.91	/	/	<=33	Pass
		Inner 1RB Right	22.55	/	/	20.95	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1880	Edge 1RB Left	20.79	/	/	19.19	/	/	<=33	Pass
		Edge 1RB Right	20.77	/	/	19.17	/	/	<=33	Pass
		Outer Full	20.54	/	/	18.94	/	/	<=33	Pass
		Inner Full	21.58	/	/	19.98	/	/	<=33	Pass
		Inner 1RB Left	21.77	/	/	20.17	/	/	<=33	Pass
		Inner 1RB Right	21.75	/	/	20.15	/	/	<=33	Pass
	1855	Edge 1RB Left	21.04	/	/	19.44	/	/	<=33	Pass
		Edge 1RB Right	20.96	/	/	19.36	/	/	<=33	Pass
		Outer Full	20.79	/	/	19.19	/	/	<=33	Pass
		Inner Full	21.85	/	/	20.25	/	/	<=33	Pass
		Inner 1RB Left	22.03	/	/	20.43	/	/	<=33	Pass
		Inner 1RB Right	21.96	/	/	20.36	/	/	<=33	Pass
	1905	Edge 1RB Left	20.65	/	/	19.05	/	/	<=33	Pass
		Edge 1RB Right	20.69	/	/	19.09	/	/	<=33	Pass
		Outer Full	20.50	/	/	18.90	/	/	<=33	Pass
		Inner Full	21.46	/	/	19.86	/	/	<=33	Pass
		Inner 1RB Left	21.63	/	/	20.03	/	/	<=33	Pass
		Inner 1RB Right	21.68	/	/	20.08	/	/	<=33	Pass

DFT-s-OFDM 64 QAM	1880	Edge_1RB_Left	19.90	/	/	18.30	/	/	<=33	Pass
		Edge_1RB_Right	19.90	/	/	18.30	/	/	<=33	Pass
		Outer_Full	20.06	/	/	18.46	/	/	<=33	Pass
		Inner_Full	20.12	/	/	18.52	/	/	<=33	Pass
		Inner_1RB_Left	19.90	/	/	18.30	/	/	<=33	Pass
		Inner_1RB_Right	19.89	/	/	18.29	/	/	<=33	Pass
	1855	Edge_1RB_Left	20.16	/	/	18.56	/	/	<=33	Pass
		Edge_1RB_Right	20.12	/	/	18.52	/	/	<=33	Pass
		Outer_Full	20.30	/	/	18.70	/	/	<=33	Pass
		Inner_Full	20.35	/	/	18.75	/	/	<=33	Pass
		Inner_1RB_Left	20.16	/	/	18.56	/	/	<=33	Pass
		Inner_1RB_Right	20.09	/	/	18.49	/	/	<=33	Pass
	1905	Edge_1RB_Left	19.77	/	/	18.17	/	/	<=33	Pass
		Edge_1RB_Right	19.85	/	/	18.25	/	/	<=33	Pass
		Outer_Full	20.03	/	/	18.43	/	/	<=33	Pass
		Inner_Full	20.04	/	/	18.44	/	/	<=33	Pass
		Inner_1RB_Left	19.77	/	/	18.17	/	/	<=33	Pass
		Inner_1RB_Right	19.82	/	/	18.22	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1880	Edge_1RB_Left	17.91	/	/	16.31	/	/	<=33	Pass
		Edge_1RB_Right	17.97	/	/	16.37	/	/	<=33	Pass
		Outer_Full	17.92	/	/	16.32	/	/	<=33	Pass
		Inner_Full	17.95	/	/	16.35	/	/	<=33	Pass
		Inner_1RB_Left	17.95	/	/	16.35	/	/	<=33	Pass
		Inner_1RB_Right	17.96	/	/	16.36	/	/	<=33	Pass
	1855	Edge_1RB_Left	18.31	/	/	16.71	/	/	<=33	Pass
		Edge_1RB_Right	18.22	/	/	16.62	/	/	<=33	Pass
		Outer_Full	18.28	/	/	16.68	/	/	<=33	Pass
		Inner_Full	18.31	/	/	16.71	/	/	<=33	Pass
		Inner_1RB_Left	18.35	/	/	16.75	/	/	<=33	Pass
		Inner_1RB_Right	18.25	/	/	16.65	/	/	<=33	Pass
	1905	Edge_1RB_Left	18.00	/	/	16.40	/	/	<=33	Pass
		Edge_1RB_Right	18.08	/	/	16.48	/	/	<=33	Pass
		Outer_Full	17.99	/	/	16.39	/	/	<=33	Pass
		Inner_Full	18.05	/	/	16.45	/	/	<=33	Pass
		Inner_1RB_Left	17.99	/	/	16.39	/	/	<=33	Pass
		Inner_1RB_Right	18.07	/	/	16.47	/	/	<=33	Pass
CP-OFDM QPSK	1880	Edge_1RB_Left	19.51	/	/	17.91	/	/	<=33	Pass
		Edge_1RB_Right	19.48	/	/	17.88	/	/	<=33	Pass
		Outer_Full	19.47	/	/	17.87	/	/	<=33	Pass
		Inner_Full	20.96	/	/	19.36	/	/	<=33	Pass
		Inner_1RB_Left	21.07	/	/	19.47	/	/	<=33	Pass
		Inner_1RB_Right	21.07	/	/	19.47	/	/	<=33	Pass
	1855	Edge_1RB_Left	19.74	/	/	18.14	/	/	<=33	Pass
		Edge_1RB_Right	19.69	/	/	18.09	/	/	<=33	Pass
		Outer_Full	19.69	/	/	18.09	/	/	<=33	Pass
		Inner_Full	21.23	/	/	19.63	/	/	<=33	Pass
		Inner_1RB_Left	21.29	/	/	19.69	/	/	<=33	Pass
		Inner_1RB_Right	21.23	/	/	19.63	/	/	<=33	Pass
	1905	Edge_1RB_Left	19.41	/	/	17.81	/	/	<=33	Pass
		Edge_1RB_Right	19.44	/	/	17.84	/	/	<=33	Pass
		Outer_Full	19.34	/	/	17.74	/	/	<=33	Pass
		Inner_Full	20.91	/	/	19.31	/	/	<=33	Pass
		Inner_1RB_Left	20.96	/	/	19.36	/	/	<=33	Pass
		Inner_1RB_Right	20.98	/	/	19.38	/	/	<=33	Pass
CP-OFDM 16 QAM	1880	Edge_1RB_Left	19.83	/	/	18.23	/	/	<=33	Pass
		Edge_1RB_Right	19.83	/	/	18.23	/	/	<=33	Pass
		Outer_Full	19.54	/	/	17.94	/	/	<=33	Pass
		Inner_Full	20.50	/	/	18.90	/	/	<=33	Pass
		Inner_1RB_Left	20.86	/	/	19.26	/	/	<=33	Pass

		1855	Inner 1RB Right	20.80	/	/	19.20	/	/	<=33	Pass
			Edge 1RB Left	20.02	/	/	18.42	/	/	<=33	Pass
			Edge 1RB Right	20.01	/	/	18.41	/	/	<=33	Pass
			Outer_Full	19.77	/	/	18.17	/	/	<=33	Pass
			Inner_Full	20.76	/	/	19.16	/	/	<=33	Pass
			Inner 1RB Left	21.05	/	/	19.45	/	/	<=33	Pass
			Inner 1RB Right	20.99	/	/	19.39	/	/	<=33	Pass
		1905	Edge 1RB Left	19.69	/	/	18.09	/	/	<=33	Pass
			Edge 1RB Right	19.72	/	/	18.12	/	/	<=33	Pass
			Outer_Full	19.43	/	/	17.83	/	/	<=33	Pass
			Inner_Full	20.44	/	/	18.84	/	/	<=33	Pass
			Inner 1RB Left	20.71	/	/	19.11	/	/	<=33	Pass
			Inner 1RB Right	20.70	/	/	19.10	/	/	<=33	Pass
CP-OFDM 64 QAM	1880	Edge 1RB Left	18.94	/	/	17.34	/	/	<=33	Pass	
		Edge 1RB Right	18.96	/	/	17.36	/	/	<=33	Pass	
		Outer_Full	19.01	/	/	17.41	/	/	<=33	Pass	
		Inner_Full	19.04	/	/	17.44	/	/	<=33	Pass	
		Inner 1RB Left	19.03	/	/	17.43	/	/	<=33	Pass	
		Inner 1RB Right	18.97	/	/	17.37	/	/	<=33	Pass	
	1855	Edge 1RB Left	19.24	/	/	17.64	/	/	<=33	Pass	
		Edge 1RB Right	19.14	/	/	17.54	/	/	<=33	Pass	
		Outer_Full	19.24	/	/	17.64	/	/	<=33	Pass	
		Inner_Full	19.31	/	/	17.71	/	/	<=33	Pass	
		Inner 1RB Left	19.19	/	/	17.59	/	/	<=33	Pass	
		Inner 1RB Right	19.14	/	/	17.54	/	/	<=33	Pass	
	1905	Edge 1RB Left	18.84	/	/	17.24	/	/	<=33	Pass	
		Edge 1RB Right	18.90	/	/	17.30	/	/	<=33	Pass	
		Outer_Full	18.96	/	/	17.36	/	/	<=33	Pass	
		Inner_Full	18.93	/	/	17.33	/	/	<=33	Pass	
		Inner 1RB Left	18.86	/	/	17.26	/	/	<=33	Pass	
		Inner 1RB Right	18.86	/	/	17.26	/	/	<=33	Pass	
CP-OFDM 256 QAM	1880	Edge 1RB Left	15.98	/	/	14.38	/	/	<=33	Pass	
		Edge 1RB Right	16.05	/	/	14.45	/	/	<=33	Pass	
		Outer_Full	15.92	/	/	14.32	/	/	<=33	Pass	
		Inner_Full	15.95	/	/	14.35	/	/	<=33	Pass	
		Inner 1RB Left	16.01	/	/	14.41	/	/	<=33	Pass	
		Inner 1RB Right	15.99	/	/	14.39	/	/	<=33	Pass	
	1855	Edge 1RB Left	16.36	/	/	14.76	/	/	<=33	Pass	
		Edge 1RB Right	16.26	/	/	14.66	/	/	<=33	Pass	
		Outer_Full	16.26	/	/	14.66	/	/	<=33	Pass	
		Inner_Full	16.30	/	/	14.70	/	/	<=33	Pass	
		Inner 1RB Left	16.39	/	/	14.79	/	/	<=33	Pass	
		Inner 1RB Right	16.27	/	/	14.67	/	/	<=33	Pass	
	1905	Edge 1RB Left	16.03	/	/	14.43	/	/	<=33	Pass	
		Edge 1RB Right	16.11	/	/	14.51	/	/	<=33	Pass	
		Outer_Full	16.00	/	/	14.40	/	/	<=33	Pass	
Inner_Full		16.02	/	/	14.42	/	/	<=33	Pass		
Inner 1RB Left		16.04	/	/	14.44	/	/	<=33	Pass		
			Inner 1RB Right	16.12	/	/	14.52	/	/	<=33	Pass
Note1: Antenna Gain: Ant2: -1.60dBi; Note2: EIRP=Conducted Power+Antenna Gain											

1.1.3 15k_SISO_15MHz_NTNV_EIRP

5G NR n2 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Edge_1RB_Left	22.04	/	/	20.44	/	/	<=33	Pass
		Edge_1RB_Right	22.04	/	/	20.44	/	/	<=33	Pass
		Outer_Full	22.06	/	/	20.46	/	/	<=33	Pass
		Inner_Full	22.60	/	/	21.00	/	/	<=33	Pass
		Inner_1RB_Left	22.56	/	/	20.96	/	/	<=33	Pass
		Inner_1RB_Right	22.55	/	/	20.95	/	/	<=33	Pass
	1857.5	Edge_1RB_Left	22.22	/	/	20.62	/	/	<=33	Pass
		Edge_1RB_Right	22.16	/	/	20.56	/	/	<=33	Pass
		Outer_Full	22.24	/	/	20.64	/	/	<=33	Pass
		Inner_Full	22.78	/	/	21.18	/	/	<=33	Pass
		Inner_1RB_Left	22.74	/	/	21.14	/	/	<=33	Pass
		Inner_1RB_Right	22.67	/	/	21.07	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	21.91	/	/	20.31	/	/	<=33	Pass
		Edge_1RB_Right	21.90	/	/	20.30	/	/	<=33	Pass
		Outer_Full	21.89	/	/	20.29	/	/	<=33	Pass
		Inner_Full	21.47	/	/	19.87	/	/	<=33	Pass
		Inner_1RB_Left	22.42	/	/	20.82	/	/	<=33	Pass
		Inner_1RB_Right	22.40	/	/	20.80	/	/	<=33	Pass
DFT-s-OFDM QPSK	1880	Edge_1RB_Left	21.65	/	/	20.05	/	/	<=33	Pass
		Edge_1RB_Right	21.62	/	/	20.02	/	/	<=33	Pass
		Outer_Full	21.54	/	/	19.94	/	/	<=33	Pass
		Inner_Full	22.61	/	/	21.01	/	/	<=33	Pass
		Inner_1RB_Left	22.70	/	/	21.10	/	/	<=33	Pass
		Inner_1RB_Right	22.68	/	/	21.08	/	/	<=33	Pass
	1857.5	Edge_1RB_Left	21.79	/	/	20.19	/	/	<=33	Pass
		Edge_1RB_Right	21.73	/	/	20.13	/	/	<=33	Pass
		Outer_Full	21.73	/	/	20.13	/	/	<=33	Pass
		Inner_Full	22.76	/	/	21.16	/	/	<=33	Pass
		Inner_1RB_Left	22.87	/	/	21.27	/	/	<=33	Pass
		Inner_1RB_Right	22.78	/	/	21.18	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	21.48	/	/	19.88	/	/	<=33	Pass
		Edge_1RB_Right	21.49	/	/	19.89	/	/	<=33	Pass
		Outer_Full	21.43	/	/	19.83	/	/	<=33	Pass
		Inner_Full	22.43	/	/	20.83	/	/	<=33	Pass
		Inner_1RB_Left	22.54	/	/	20.94	/	/	<=33	Pass
		Inner_1RB_Right	22.56	/	/	20.96	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1880	Edge_1RB_Left	20.83	/	/	19.23	/	/	<=33	Pass
		Edge_1RB_Right	20.80	/	/	19.20	/	/	<=33	Pass
		Outer_Full	20.61	/	/	19.01	/	/	<=33	Pass
		Inner_Full	21.60	/	/	20.00	/	/	<=33	Pass
		Inner_1RB_Left	21.82	/	/	20.22	/	/	<=33	Pass
		Inner_1RB_Right	21.74	/	/	20.14	/	/	<=33	Pass
	1857.5	Edge_1RB_Left	20.99	/	/	19.39	/	/	<=33	Pass
		Edge_1RB_Right	20.93	/	/	19.33	/	/	<=33	Pass
		Outer_Full	20.78	/	/	19.18	/	/	<=33	Pass
		Inner_Full	21.78	/	/	20.18	/	/	<=33	Pass
		Inner_1RB_Left	21.97	/	/	20.37	/	/	<=33	Pass
		Inner_1RB_Right	21.92	/	/	20.32	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	20.66	/	/	19.06	/	/	<=33	Pass
		Edge_1RB_Right	20.69	/	/	19.09	/	/	<=33	Pass
		Outer_Full	20.46	/	/	18.86	/	/	<=33	Pass
		Inner_Full	21.45	/	/	19.85	/	/	<=33	Pass
		Inner_1RB_Left	21.65	/	/	20.05	/	/	<=33	Pass
		Inner_1RB_Right	21.66	/	/	20.06	/	/	<=33	Pass

DFT-s-OFDM 64 QAM	1880	Edge_1RB_Left	19.94	/	/	18.34	/	/	<=33	Pass
		Edge_1RB_Right	19.92	/	/	18.32	/	/	<=33	Pass
		Outer_Full	20.17	/	/	18.57	/	/	<=33	Pass
		Inner_Full	20.12	/	/	18.52	/	/	<=33	Pass
		Inner_1RB_Left	19.94	/	/	18.34	/	/	<=33	Pass
		Inner_1RB_Right	19.91	/	/	18.31	/	/	<=33	Pass
	1857.5	Edge_1RB_Left	20.12	/	/	18.52	/	/	<=33	Pass
		Edge_1RB_Right	20.07	/	/	18.47	/	/	<=33	Pass
		Outer_Full	20.33	/	/	18.73	/	/	<=33	Pass
		Inner_Full	20.29	/	/	18.69	/	/	<=33	Pass
		Inner_1RB_Left	20.10	/	/	18.50	/	/	<=33	Pass
		Inner_1RB_Right	20.06	/	/	18.46	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	19.80	/	/	18.20	/	/	<=33	Pass
		Edge_1RB_Right	19.80	/	/	18.20	/	/	<=33	Pass
		Outer_Full	20.03	/	/	18.43	/	/	<=33	Pass
		Inner_Full	19.97	/	/	18.37	/	/	<=33	Pass
		Inner_1RB_Left	19.79	/	/	18.19	/	/	<=33	Pass
		Inner_1RB_Right	19.80	/	/	18.20	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1880	Edge_1RB_Left	17.99	/	/	16.39	/	/	<=33	Pass
		Edge_1RB_Right	18.03	/	/	16.43	/	/	<=33	Pass
		Outer_Full	17.99	/	/	16.39	/	/	<=33	Pass
		Inner_Full	18.00	/	/	16.40	/	/	<=33	Pass
		Inner_1RB_Left	17.99	/	/	16.39	/	/	<=33	Pass
		Inner_1RB_Right	18.04	/	/	16.44	/	/	<=33	Pass
	1857.5	Edge_1RB_Left	18.27	/	/	16.67	/	/	<=33	Pass
		Edge_1RB_Right	18.10	/	/	16.50	/	/	<=33	Pass
		Outer_Full	18.24	/	/	16.64	/	/	<=33	Pass
		Inner_Full	18.34	/	/	16.74	/	/	<=33	Pass
		Inner_1RB_Left	18.29	/	/	16.69	/	/	<=33	Pass
		Inner_1RB_Right	18.10	/	/	16.50	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	17.93	/	/	16.33	/	/	<=33	Pass
		Edge_1RB_Right	18.03	/	/	16.43	/	/	<=33	Pass
		Outer_Full	17.99	/	/	16.39	/	/	<=33	Pass
		Inner_Full	18.02	/	/	16.42	/	/	<=33	Pass
		Inner_1RB_Left	17.94	/	/	16.34	/	/	<=33	Pass
		Inner_1RB_Right	18.04	/	/	16.44	/	/	<=33	Pass
CP-OFDM QPSK	1880	Edge_1RB_Left	19.59	/	/	17.99	/	/	<=33	Pass
		Edge_1RB_Right	19.60	/	/	18.00	/	/	<=33	Pass
		Outer_Full	19.58	/	/	17.98	/	/	<=33	Pass
		Inner_Full	21.09	/	/	19.49	/	/	<=33	Pass
		Inner_1RB_Left	21.12	/	/	19.52	/	/	<=33	Pass
		Inner_1RB_Right	21.04	/	/	19.44	/	/	<=33	Pass
	1857.5	Edge_1RB_Left	19.75	/	/	18.15	/	/	<=33	Pass
		Edge_1RB_Right	19.70	/	/	18.10	/	/	<=33	Pass
		Outer_Full	19.69	/	/	18.09	/	/	<=33	Pass
		Inner_Full	21.24	/	/	19.64	/	/	<=33	Pass
		Inner_1RB_Left	21.29	/	/	19.69	/	/	<=33	Pass
		Inner_1RB_Right	21.12	/	/	19.52	/	/	<=33	Pass
	1902.5	Edge_1RB_Left	19.41	/	/	17.81	/	/	<=33	Pass
		Edge_1RB_Right	19.47	/	/	17.87	/	/	<=33	Pass
		Outer_Full	19.40	/	/	17.80	/	/	<=33	Pass
		Inner_Full	20.91	/	/	19.31	/	/	<=33	Pass
		Inner_1RB_Left	20.97	/	/	19.37	/	/	<=33	Pass
		Inner_1RB_Right	20.94	/	/	19.34	/	/	<=33	Pass
CP-OFDM 16 QAM	1880	Edge_1RB_Left	19.87	/	/	18.27	/	/	<=33	Pass
		Edge_1RB_Right	19.85	/	/	18.25	/	/	<=33	Pass
		Outer_Full	19.60	/	/	18.00	/	/	<=33	Pass
		Inner_Full	20.57	/	/	18.97	/	/	<=33	Pass
		Inner_1RB_Left	20.91	/	/	19.31	/	/	<=33	Pass

1.1.4 15k_SISO_20MHz_NTNV_EIRP

5G NR n2 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant2*	Sum	Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Edge_1RB_Left	22.04	/	/	20.44	/	/	<=33	Pass
		Edge_1RB_Right	22.00	/	/	20.40	/	/	<=33	Pass
		Outer_Full	22.03	/	/	20.43	/	/	<=33	Pass
		Inner_Full	22.62	/	/	21.02	/	/	<=33	Pass
		Inner_1RB_Left	22.57	/	/	20.97	/	/	<=33	Pass
		Inner_1RB_Right	22.53	/	/	20.93	/	/	<=33	Pass
	1860	Edge_1RB_Left	22.19	/	/	20.59	/	/	<=33	Pass
		Edge_1RB_Right	22.12	/	/	20.52	/	/	<=33	Pass
		Outer_Full	22.22	/	/	20.62	/	/	<=33	Pass
		Inner_Full	22.78	/	/	21.18	/	/	<=33	Pass
		Inner_1RB_Left	22.73	/	/	21.13	/	/	<=33	Pass
		Inner_1RB_Right	22.61	/	/	21.01	/	/	<=33	Pass
	1900	Edge_1RB_Left	21.98	/	/	20.38	/	/	<=33	Pass
		Edge_1RB_Right	21.93	/	/	20.33	/	/	<=33	Pass
		Outer_Full	21.90	/	/	20.30	/	/	<=33	Pass
		Inner_Full	21.55	/	/	19.95	/	/	<=33	Pass
		Inner_1RB_Left	22.49	/	/	20.89	/	/	<=33	Pass
		Inner_1RB_Right	22.45	/	/	20.85	/	/	<=33	Pass
DFT-s-OFDM QPSK	1880	Edge_1RB_Left	21.61	/	/	20.01	/	/	<=33	Pass
		Edge_1RB_Right	21.61	/	/	20.01	/	/	<=33	Pass
		Outer_Full	21.58	/	/	19.98	/	/	<=33	Pass
		Inner_Full	22.63	/	/	21.03	/	/	<=33	Pass
		Inner_1RB_Left	22.69	/	/	21.09	/	/	<=33	Pass
		Inner_1RB_Right	22.60	/	/	21.00	/	/	<=33	Pass
	1860	Edge_1RB_Left	21.77	/	/	20.17	/	/	<=33	Pass
		Edge_1RB_Right	21.69	/	/	20.09	/	/	<=33	Pass
		Outer_Full	21.70	/	/	20.10	/	/	<=33	Pass
		Inner_Full	22.76	/	/	21.16	/	/	<=33	Pass
		Inner_1RB_Left	22.82	/	/	21.22	/	/	<=33	Pass
		Inner_1RB_Right	22.74	/	/	21.14	/	/	<=33	Pass
	1900	Edge_1RB_Left	21.53	/	/	19.93	/	/	<=33	Pass
		Edge_1RB_Right	21.52	/	/	19.92	/	/	<=33	Pass
		Outer_Full	21.46	/	/	19.86	/	/	<=33	Pass
		Inner_Full	22.51	/	/	20.91	/	/	<=33	Pass
		Inner_1RB_Left	22.60	/	/	21.00	/	/	<=33	Pass
		Inner_1RB_Right	22.60	/	/	21.00	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1880	Edge_1RB_Left	20.83	/	/	19.23	/	/	<=33	Pass
		Edge_1RB_Right	20.75	/	/	19.15	/	/	<=33	Pass
		Outer_Full	20.62	/	/	19.02	/	/	<=33	Pass
		Inner_Full	21.66	/	/	20.06	/	/	<=33	Pass
		Inner_1RB_Left	21.85	/	/	20.25	/	/	<=33	Pass
		Inner_1RB_Right	21.78	/	/	20.18	/	/	<=33	Pass
	1860	Edge_1RB_Left	20.98	/	/	19.38	/	/	<=33	Pass
		Edge_1RB_Right	20.87	/	/	19.27	/	/	<=33	Pass
		Outer_Full	20.76	/	/	19.16	/	/	<=33	Pass
		Inner_Full	21.79	/	/	20.19	/	/	<=33	Pass
		Inner_1RB_Left	21.97	/	/	20.37	/	/	<=33	Pass
		Inner_1RB_Right	21.86	/	/	20.26	/	/	<=33	Pass
	1900	Edge_1RB_Left	20.74	/	/	19.14	/	/	<=33	Pass
		Edge_1RB_Right	20.73	/	/	19.13	/	/	<=33	Pass
		Outer_Full	20.49	/	/	18.89	/	/	<=33	Pass
		Inner_Full	21.56	/	/	19.96	/	/	<=33	Pass
		Inner_1RB_Left	21.75	/	/	20.15	/	/	<=33	Pass
		Inner_1RB_Right	21.69	/	/	20.09	/	/	<=33	Pass

DFT-s-OFDM 64 QAM	1880	Edge_1RB_Left	19.97	/	/	18.37	/	/	<=33	Pass
		Edge_1RB_Right	19.90	/	/	18.30	/	/	<=33	Pass
		Outer_Full	20.16	/	/	18.56	/	/	<=33	Pass
		Inner_Full	20.15	/	/	18.55	/	/	<=33	Pass
		Inner_1RB_Left	19.97	/	/	18.37	/	/	<=33	Pass
		Inner_1RB_Right	19.93	/	/	18.33	/	/	<=33	Pass
	1860	Edge_1RB_Left	20.10	/	/	18.50	/	/	<=33	Pass
		Edge_1RB_Right	20.00	/	/	18.40	/	/	<=33	Pass
		Outer_Full	20.29	/	/	18.69	/	/	<=33	Pass
		Inner_Full	20.26	/	/	18.66	/	/	<=33	Pass
		Inner_1RB_Left	20.09	/	/	18.49	/	/	<=33	Pass
		Inner_1RB_Right	20.00	/	/	18.40	/	/	<=33	Pass
	1900	Edge_1RB_Left	19.87	/	/	18.27	/	/	<=33	Pass
		Edge_1RB_Right	19.83	/	/	18.23	/	/	<=33	Pass
		Outer_Full	20.05	/	/	18.45	/	/	<=33	Pass
		Inner_Full	20.03	/	/	18.43	/	/	<=33	Pass
		Inner_1RB_Left	19.89	/	/	18.29	/	/	<=33	Pass
		Inner_1RB_Right	19.85	/	/	18.25	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1880	Edge_1RB_Left	18.00	/	/	16.40	/	/	<=33	Pass
		Edge_1RB_Right	18.04	/	/	16.44	/	/	<=33	Pass
		Outer_Full	18.00	/	/	16.40	/	/	<=33	Pass
		Inner_Full	18.03	/	/	16.43	/	/	<=33	Pass
		Inner_1RB_Left	18.02	/	/	16.42	/	/	<=33	Pass
		Inner_1RB_Right	18.05	/	/	16.45	/	/	<=33	Pass
	1860	Edge_1RB_Left	18.27	/	/	16.67	/	/	<=33	Pass
		Edge_1RB_Right	18.07	/	/	16.47	/	/	<=33	Pass
		Outer_Full	18.24	/	/	16.64	/	/	<=33	Pass
		Inner_Full	18.29	/	/	16.69	/	/	<=33	Pass
		Inner_1RB_Left	18.27	/	/	16.67	/	/	<=33	Pass
		Inner_1RB_Right	18.08	/	/	16.48	/	/	<=33	Pass
	1900	Edge_1RB_Left	18.00	/	/	16.40	/	/	<=33	Pass
		Edge_1RB_Right	18.10	/	/	16.50	/	/	<=33	Pass
		Outer_Full	18.05	/	/	16.45	/	/	<=33	Pass
		Inner_Full	18.08	/	/	16.48	/	/	<=33	Pass
		Inner_1RB_Left	18.04	/	/	16.44	/	/	<=33	Pass
		Inner_1RB_Right	18.08	/	/	16.48	/	/	<=33	Pass
CP-OFDM QPSK	1880	Edge_1RB_Left	19.54	/	/	17.94	/	/	<=33	Pass
		Edge_1RB_Right	19.55	/	/	17.95	/	/	<=33	Pass
		Outer_Full	19.55	/	/	17.95	/	/	<=33	Pass
		Inner_Full	21.11	/	/	19.51	/	/	<=33	Pass
		Inner_1RB_Left	21.13	/	/	19.53	/	/	<=33	Pass
		Inner_1RB_Right	21.04	/	/	19.44	/	/	<=33	Pass
	1860	Edge_1RB_Left	19.72	/	/	18.12	/	/	<=33	Pass
		Edge_1RB_Right	19.68	/	/	18.08	/	/	<=33	Pass
		Outer_Full	19.67	/	/	18.07	/	/	<=33	Pass
		Inner_Full	21.24	/	/	19.64	/	/	<=33	Pass
		Inner_1RB_Left	21.32	/	/	19.72	/	/	<=33	Pass
		Inner_1RB_Right	21.19	/	/	19.59	/	/	<=33	Pass
	1900	Edge_1RB_Left	19.48	/	/	17.88	/	/	<=33	Pass
		Edge_1RB_Right	19.52	/	/	17.92	/	/	<=33	Pass
		Outer_Full	19.44	/	/	17.84	/	/	<=33	Pass
		Inner_Full	20.99	/	/	19.39	/	/	<=33	Pass
		Inner_1RB_Left	21.09	/	/	19.49	/	/	<=33	Pass
		Inner_1RB_Right	20.95	/	/	19.35	/	/	<=33	Pass
CP-OFDM 16 QAM	1880	Edge_1RB_Left	19.91	/	/	18.31	/	/	<=33	Pass
		Edge_1RB_Right	19.87	/	/	18.27	/	/	<=33	Pass
		Outer_Full	19.62	/	/	18.02	/	/	<=33	Pass
		Inner_Full	20.62	/	/	19.02	/	/	<=33	Pass
		Inner_1RB_Left	20.91	/	/	19.31	/	/	<=33	Pass

Note1: Antenna Gain: Ant2: -1.60dBi;
Note2: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_20MHz

5G NR n2 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	1880	Outer_Full	20	LV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0013	>=-2.5 & <=2.5	Pass
50	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass			

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n2 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	1880	Outer_Full	4.56	5.02	/	Pass
DFT-s-OFDM QPSK	1880	Outer_Full	4.53	5.00	/	Pass
DFT-s-OFDM 16 QAM	1880	Outer_Full	4.53	4.96	/	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	4.55	5.00	/	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	4.54	4.99	/	Pass
CP-OFDM QPSK	1880	Outer_Full	4.53	5.00	/	Pass
CP-OFDM 16 QAM	1880	Outer_Full	4.53	4.99	/	Pass
CP-OFDM 64 QAM	1880	Outer_Full	4.52	5.03	/	Pass
CP-OFDM 256 QAM	1880	Outer_Full	4.51	5.01	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

5G NR n2 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	1880	Outer_Full	9.05	9.73	/	Pass
DFT-s-OFDM QPSK	1880	Outer_Full	9.04	9.73	/	Pass
DFT-s-OFDM 16 QAM	1880	Outer_Full	9.06	9.81	/	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	9.08	9.76	/	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	9.00	9.69	/	Pass
CP-OFDM QPSK	1880	Outer_Full	9.38	10.06	/	Pass
CP-OFDM 16 QAM	1880	Outer_Full	9.36	10.03	/	Pass
CP-OFDM 64 QAM	1880	Outer_Full	9.38	10.07	/	Pass
CP-OFDM 256 QAM	1880	Outer_Full	9.37	10.06	/	Pass

3.1.3 15k_SISO_15MHz_NTNV

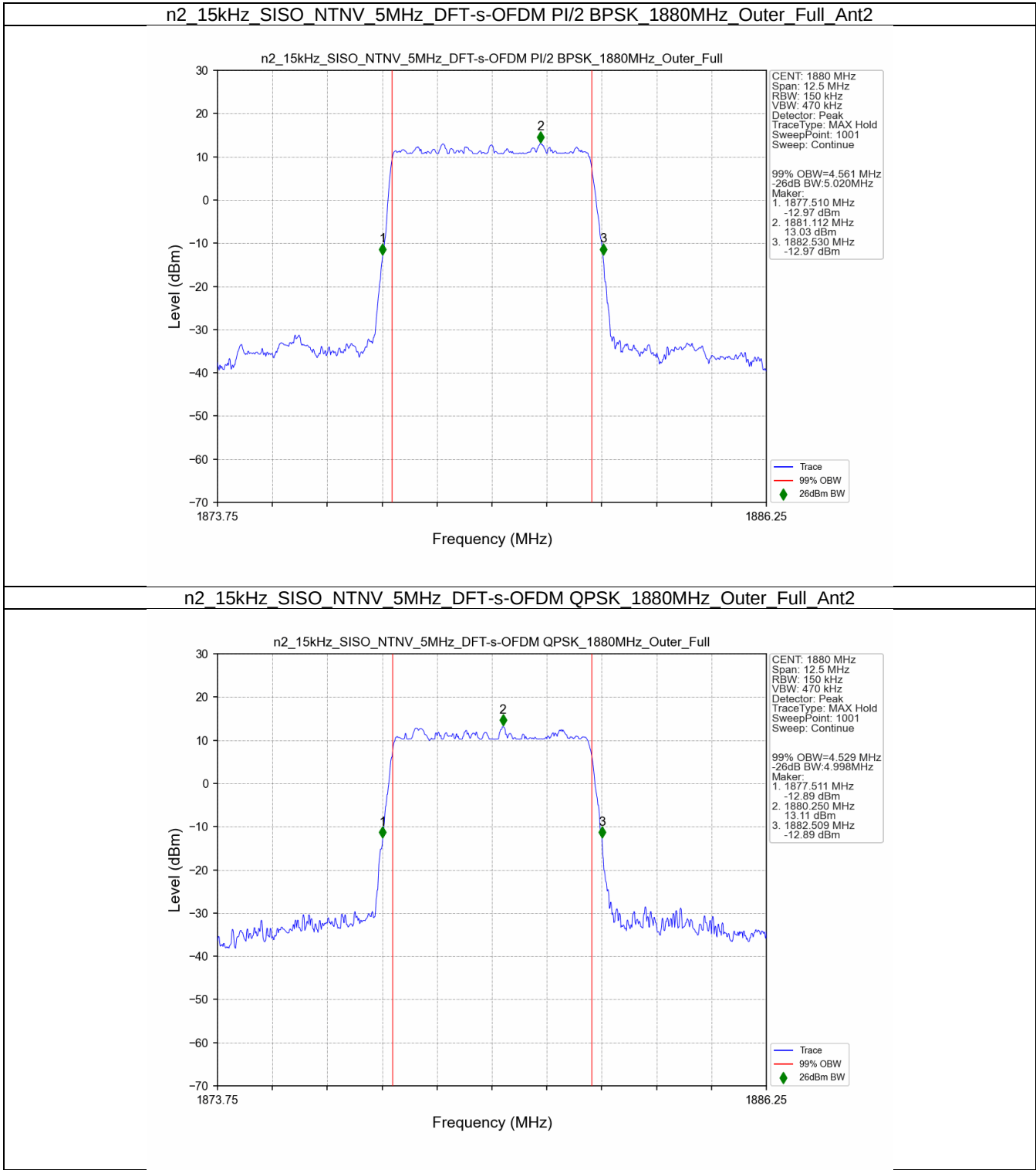
5G NR n2 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1880	Outer_Full	13.61	14.57	/	Pass
DFT-s-OFDM QPSK	1880	Outer_Full	13.57	14.59	/	Pass
DFT-s-OFDM 16 QAM	1880	Outer_Full	13.58	14.59	/	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	13.58	14.61	/	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	13.54	14.55	/	Pass
CP-OFDM QPSK	1880	Outer_Full	14.21	15.27	/	Pass
CP-OFDM 16 QAM	1880	Outer_Full	14.28	15.28	/	Pass
CP-OFDM 64 QAM	1880	Outer_Full	14.28	15.31	/	Pass
CP-OFDM 256 QAM	1880	Outer_Full	14.27	15.26	/	Pass

3.1.4 15k_SISO_20MHz_NTNV

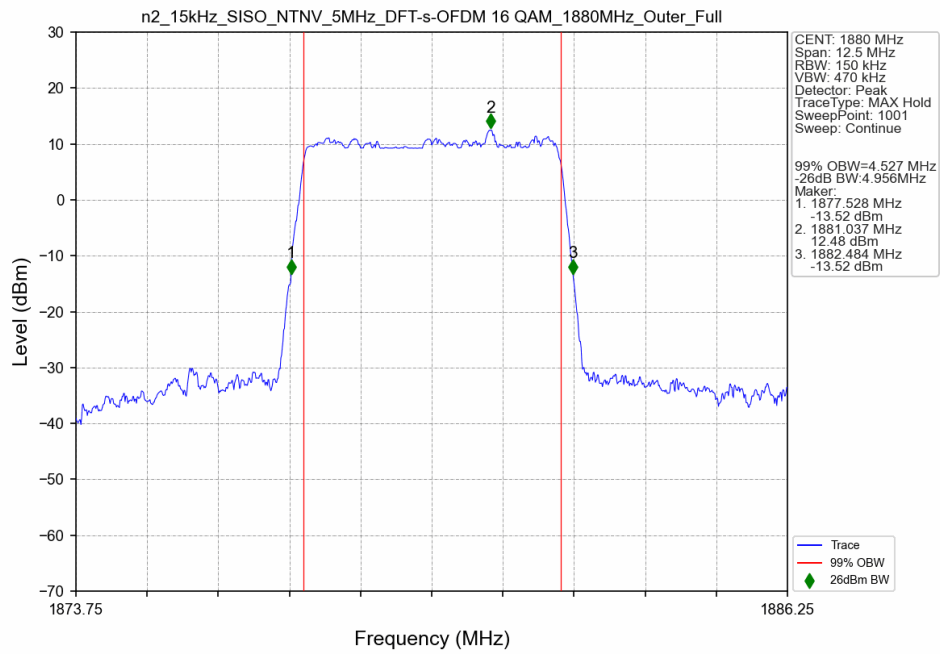
5G NR n2 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1880	Outer_Full	18.09	19.35	/	Pass
DFT-s-OFDM QPSK	1880	Outer_Full	18.08	19.43	/	Pass
DFT-s-OFDM 16 QAM	1880	Outer_Full	18.07	19.37	/	Pass
DFT-s-OFDM 64 QAM	1880	Outer_Full	18.07	19.43	/	Pass
DFT-s-OFDM 256 QAM	1880	Outer_Full	17.99	19.35	/	Pass
CP-OFDM QPSK	1880	Outer_Full	19.12	20.44	/	Pass
CP-OFDM 16 QAM	1880	Outer_Full	19.07	20.48	/	Pass
CP-OFDM 64 QAM	1880	Outer_Full	19.13	20.47	/	Pass
CP-OFDM 256 QAM	1880	Outer_Full	19.04	20.48	/	Pass

3.2 Test Graph

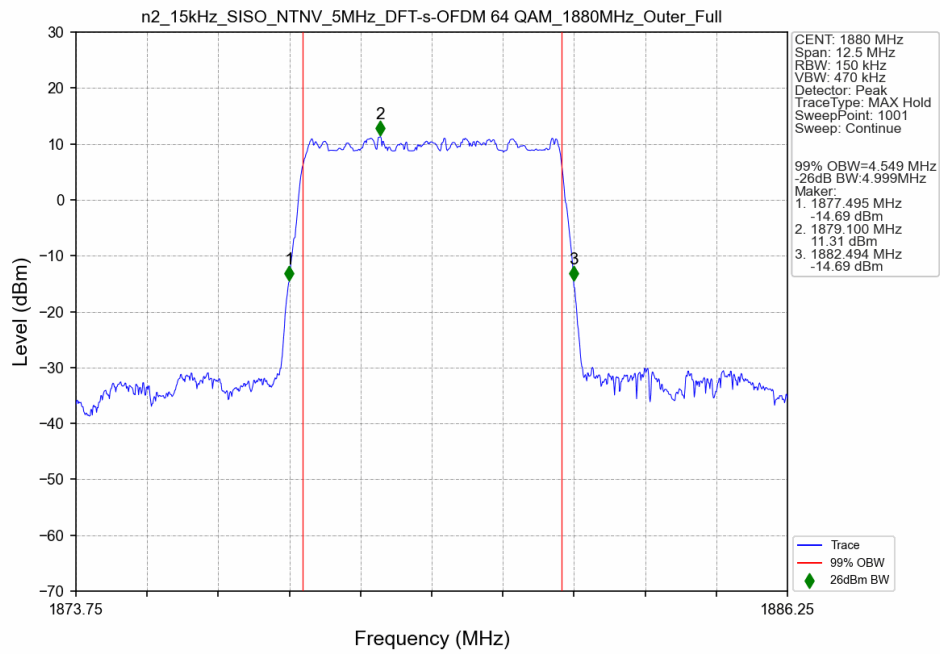
3.2.1 15k_SISO_5MHz_NTNV



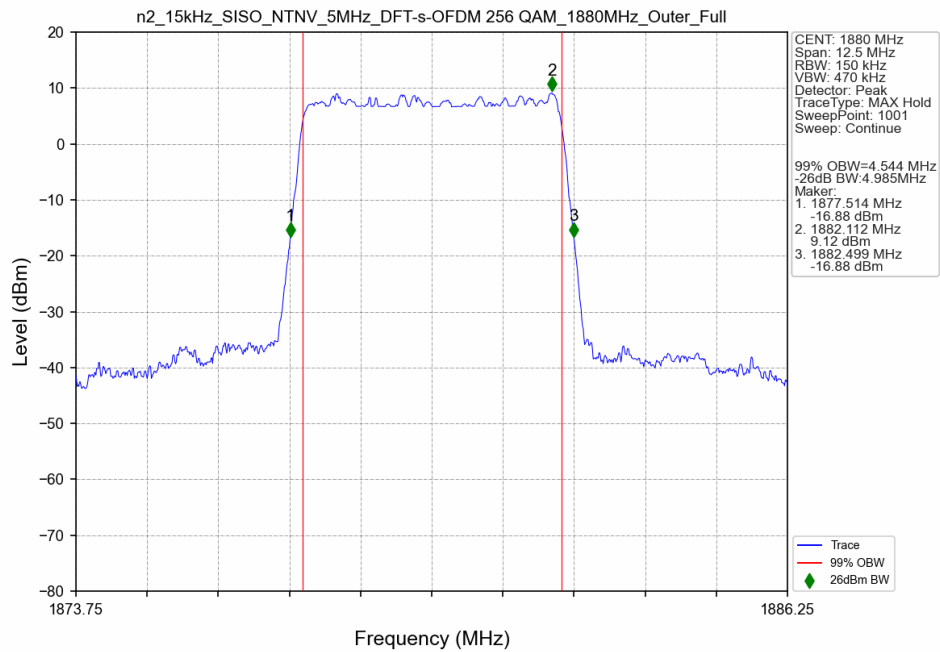
n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_1880MHz_Outer_Full_Ant2



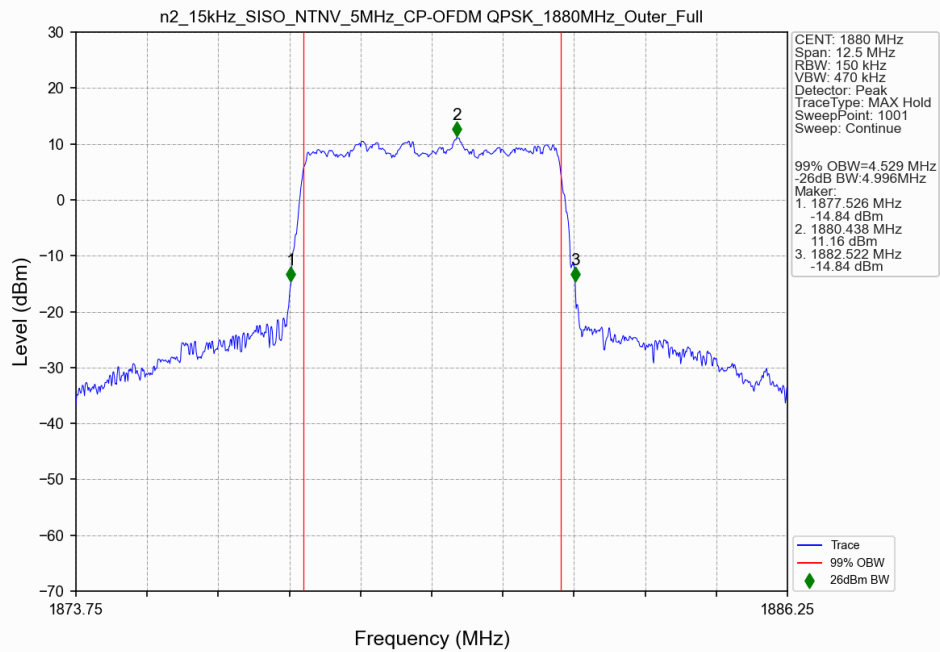
n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_1880MHz_Outer_Full_Ant2



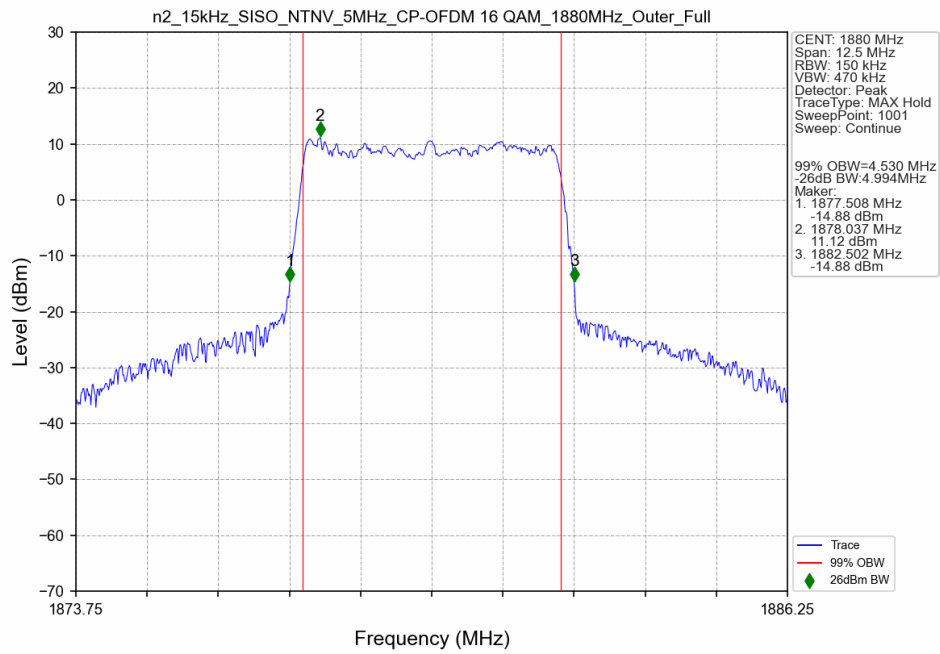
n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_1880MHz_Outer_Full_Ant2



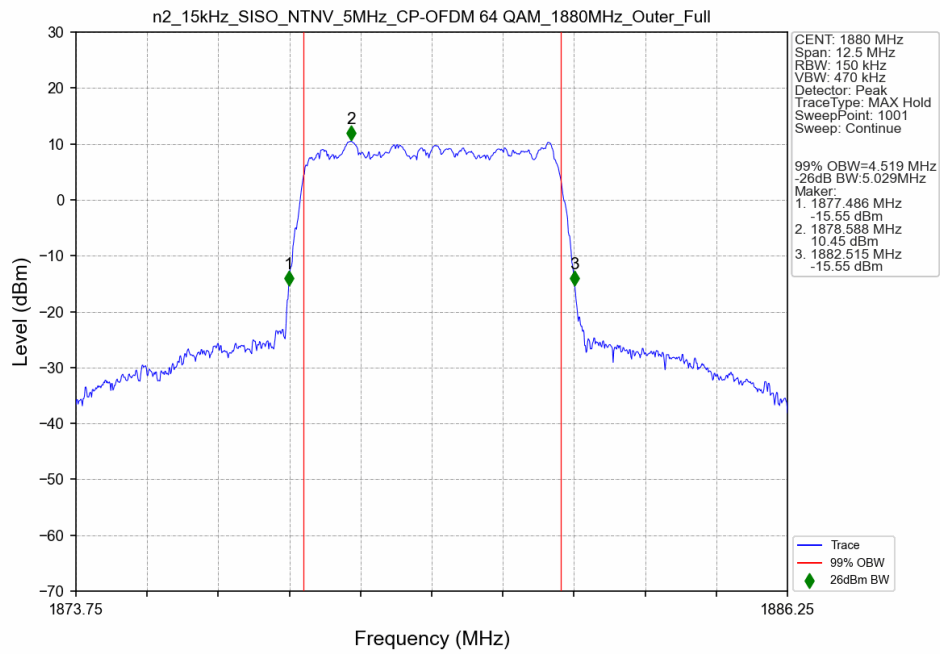
n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_1880MHz_Outer_Full_Ant2



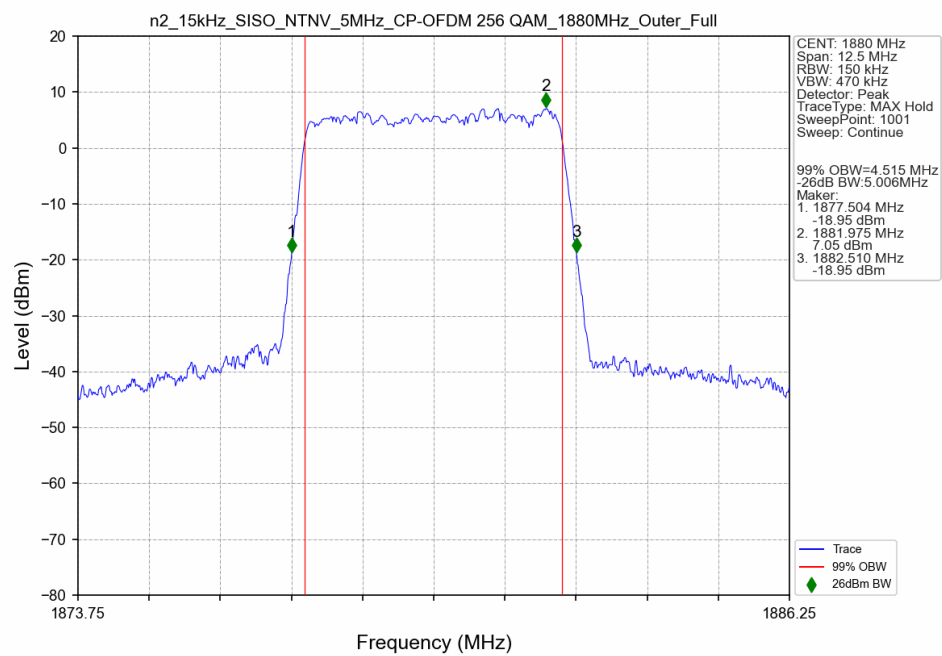
n2_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 1880MHz Outer Full Ant2



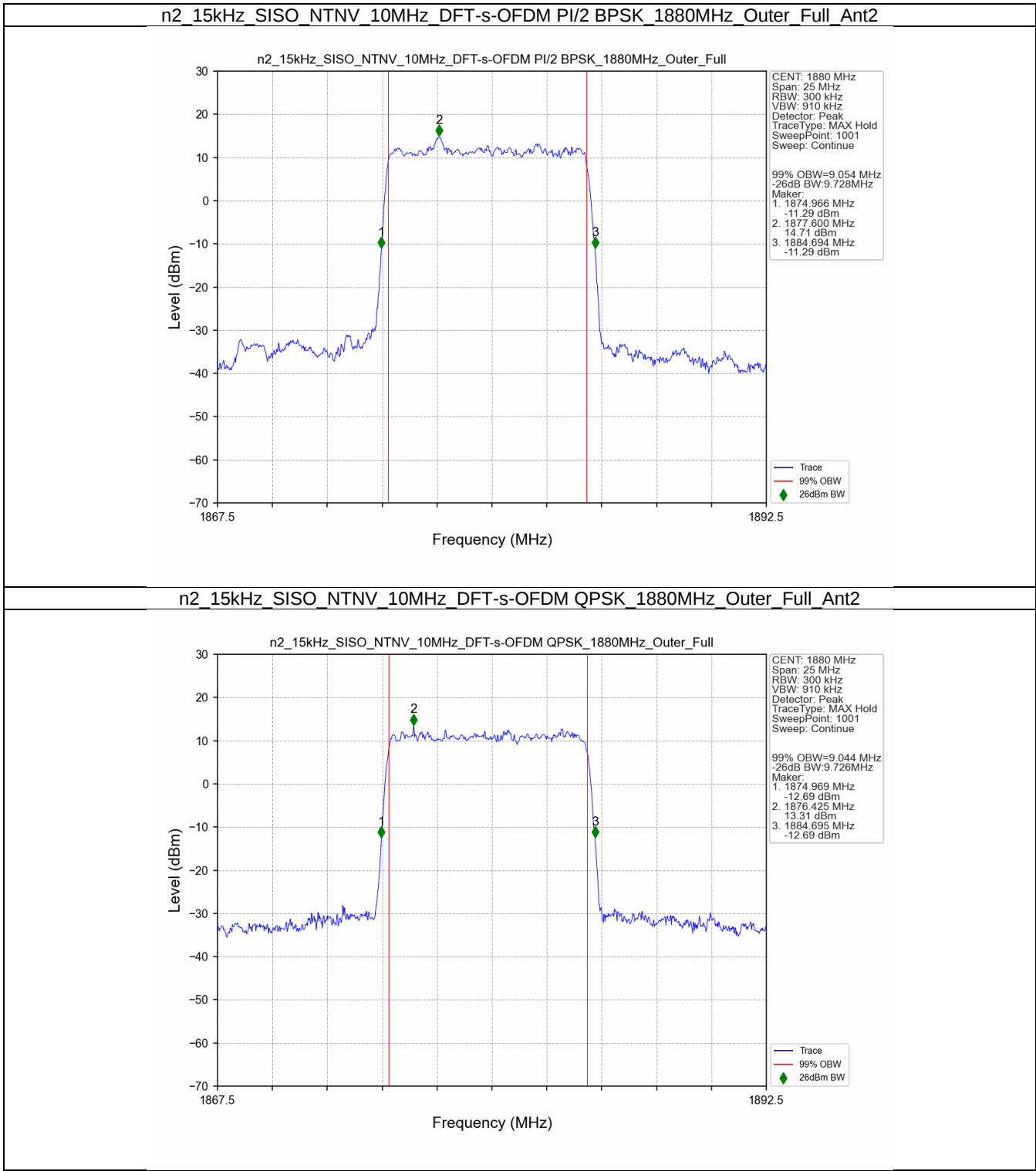
n2_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 1880MHz Outer Full Ant2



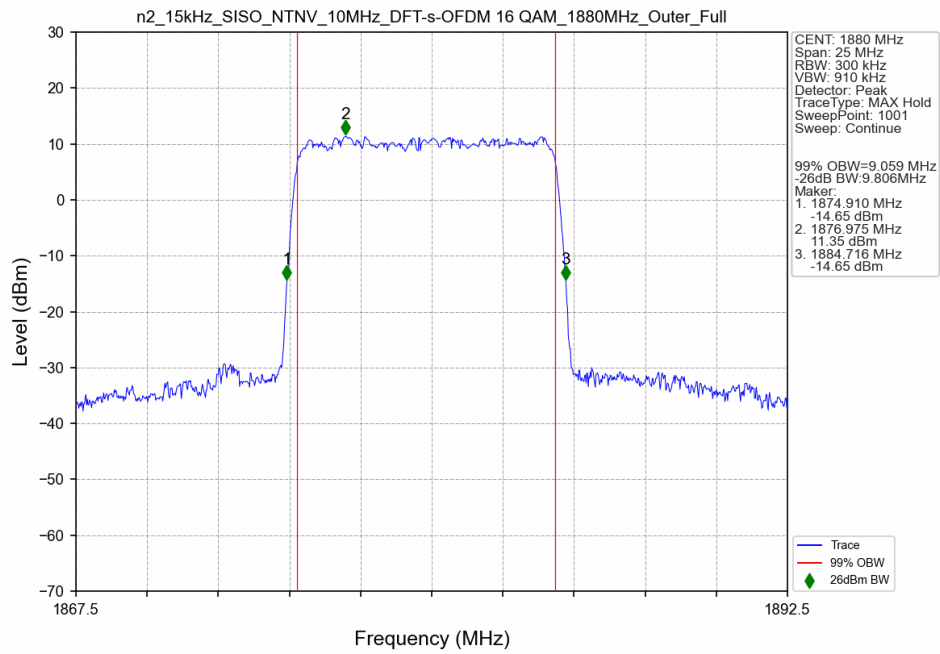
n2 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 1880MHz Outer Full Ant2



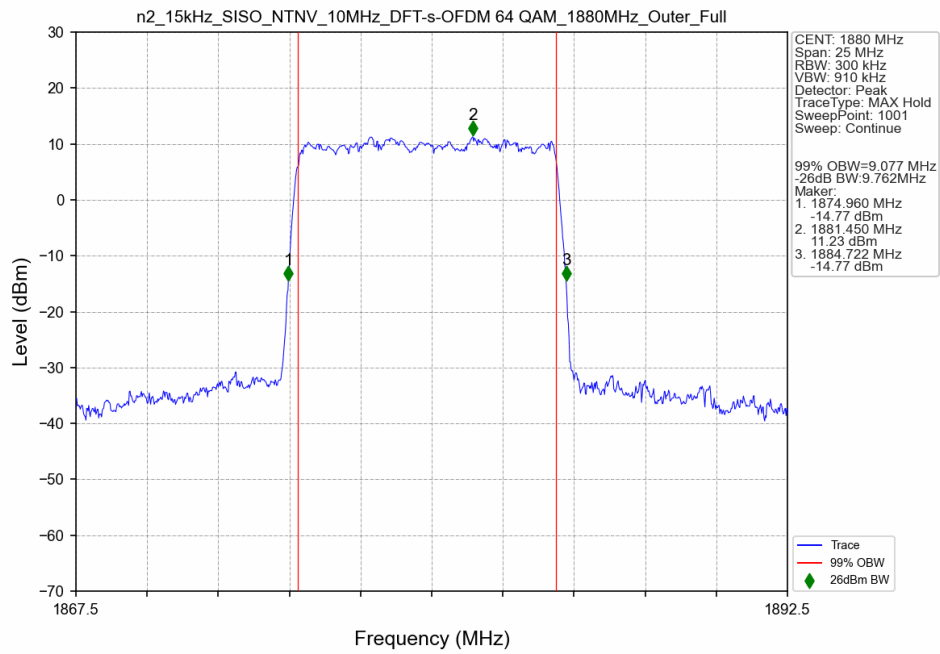
3.2.2 15k_SISO_10MHz_NTNV



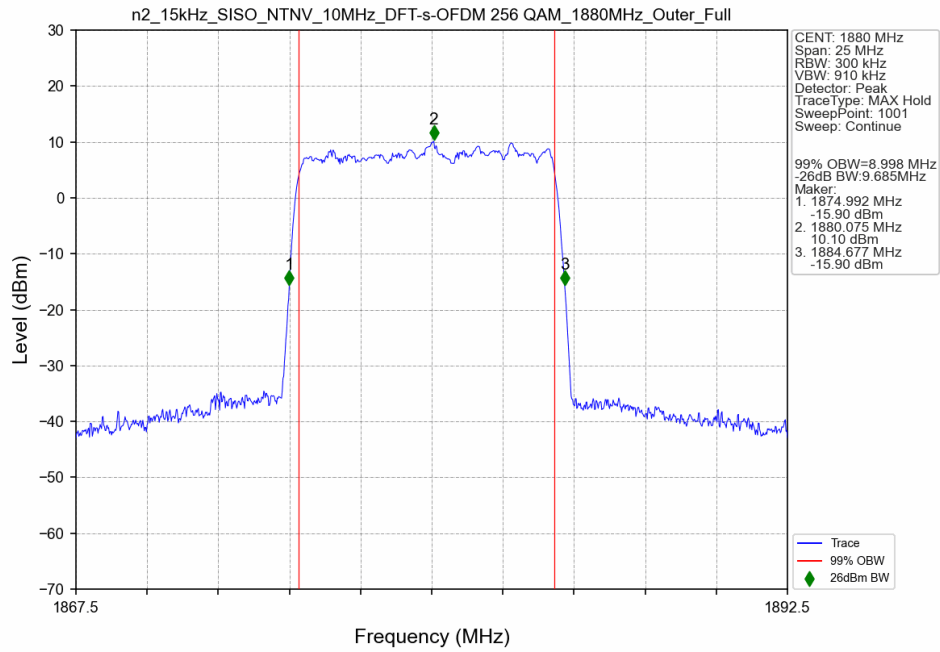
n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM 1880MHz_Outer_Full_Ant2



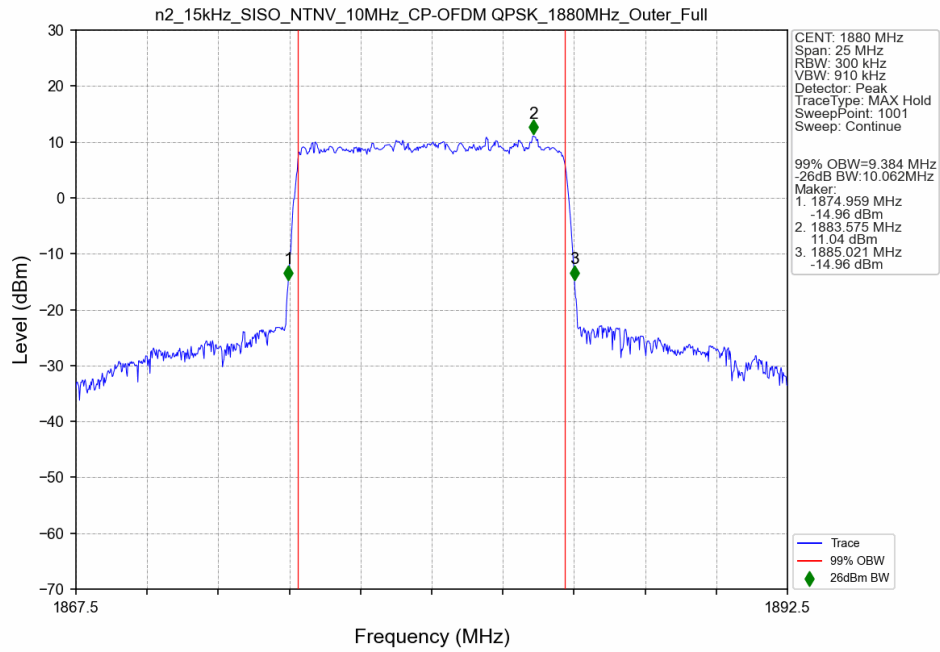
n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM 1880MHz_Outer_Full_Ant2



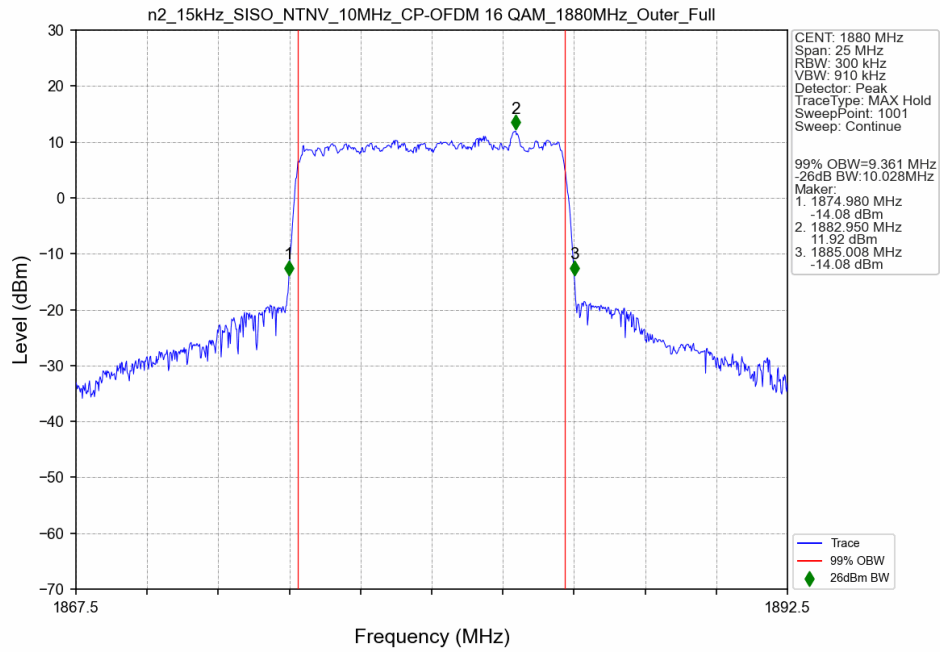
n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_1880MHz_Outer_Full_Ant2



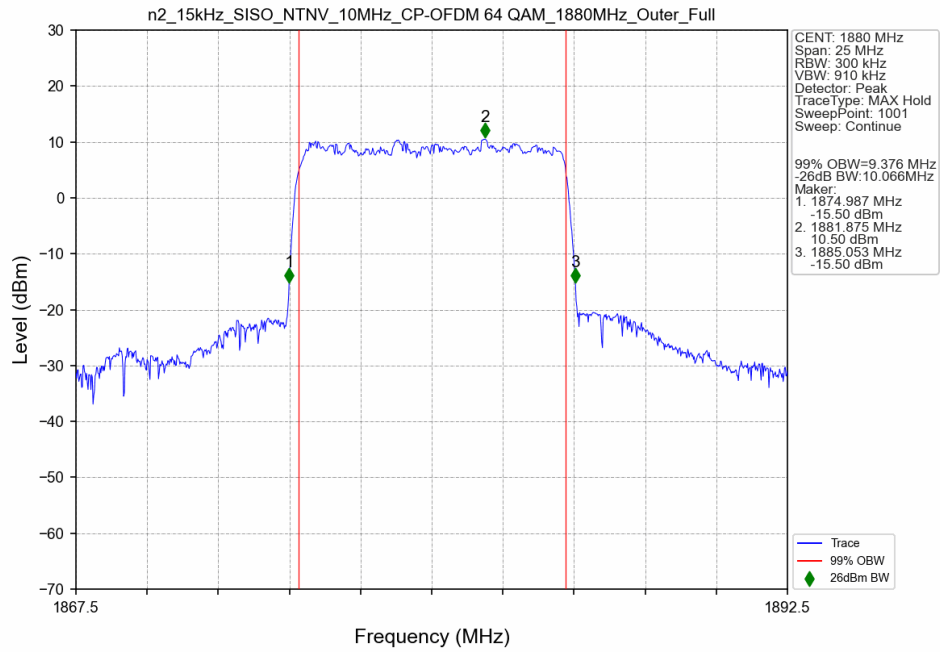
n2_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1880MHz_Outer_Full_Ant2



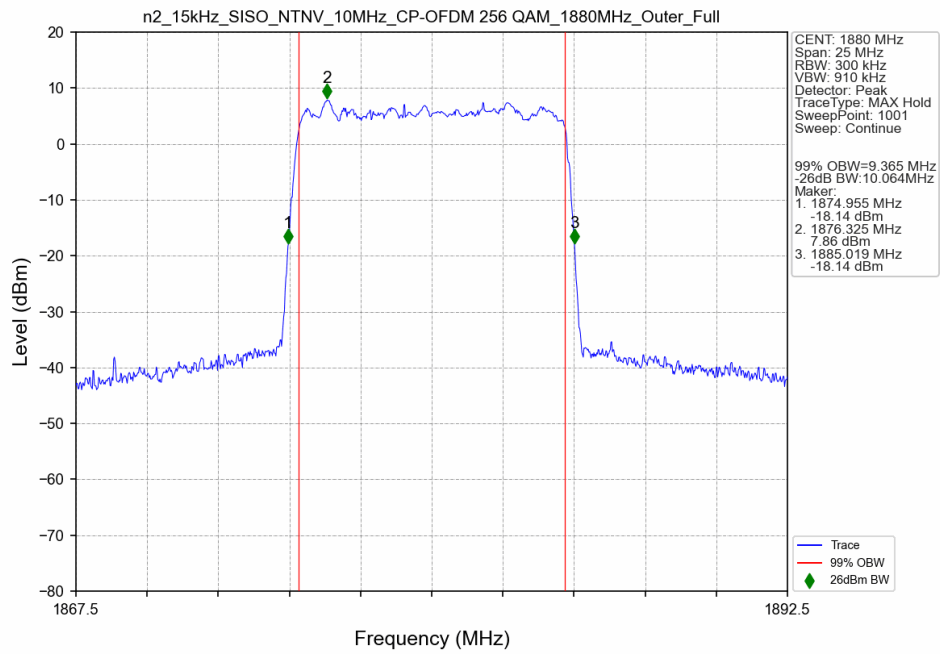
n2 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 1880MHz Outer Full Ant2



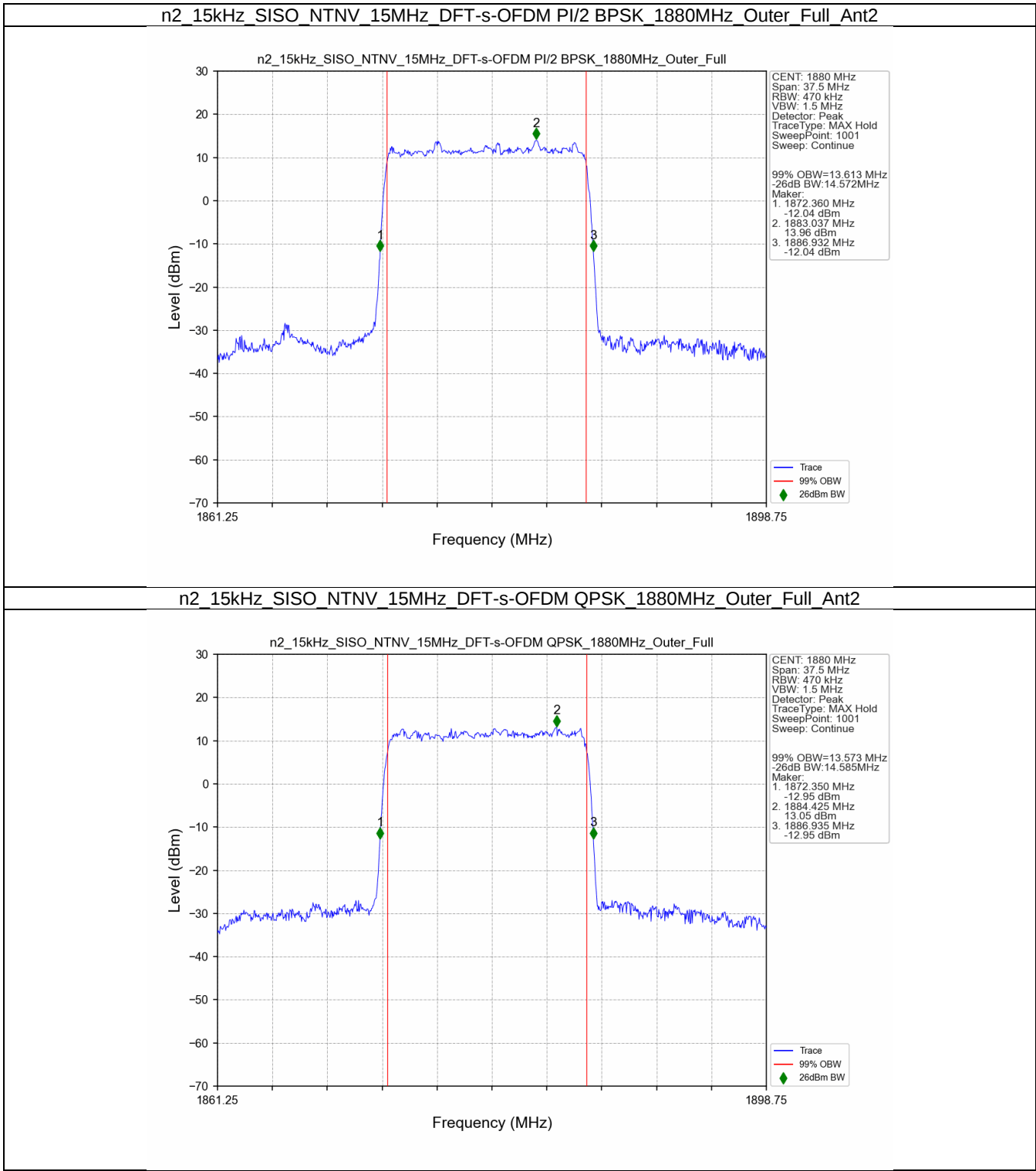
n2 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 1880MHz Outer Full Ant2



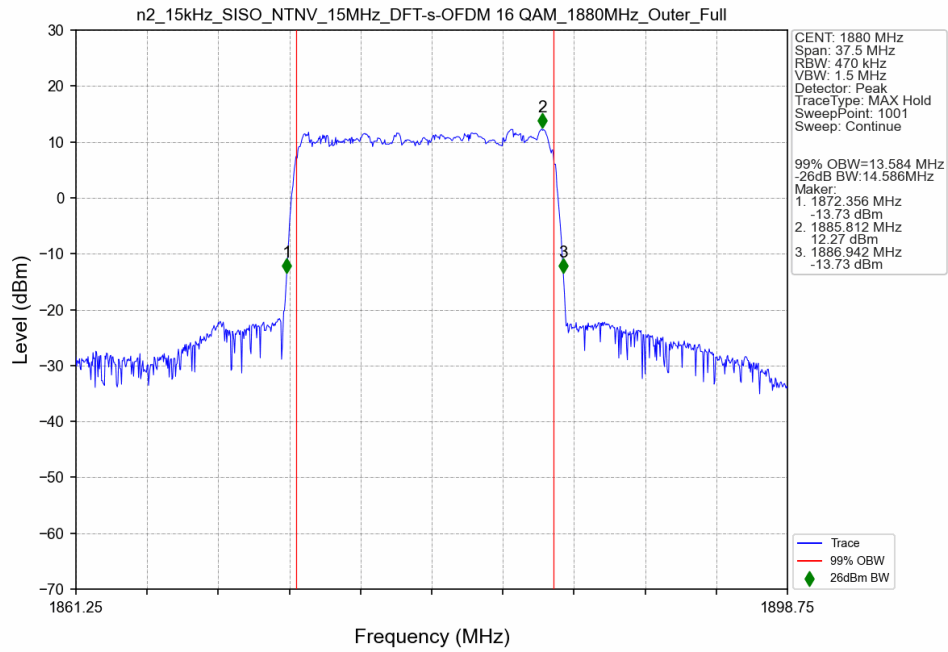
n2_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_1880MHz_Outer_Full_Ant2



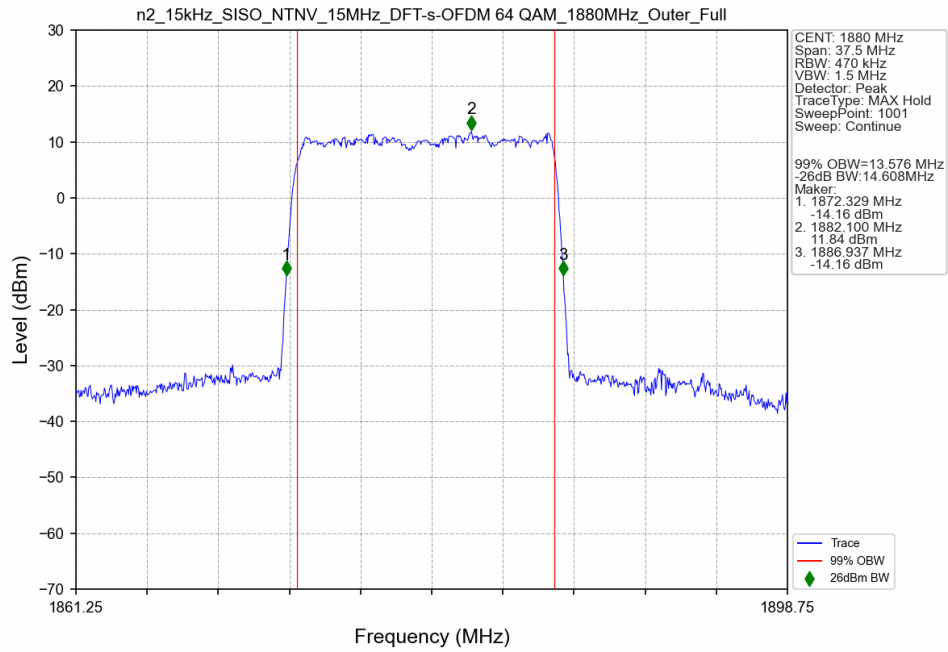
3.2.3 15k_SISO_15MHz_NTNV



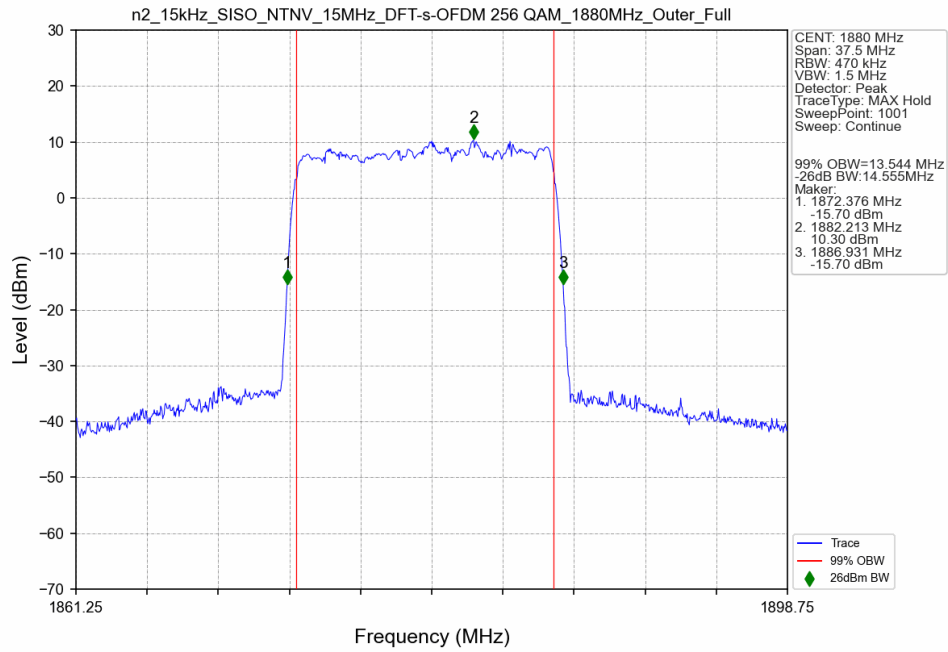
n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_1880MHz_Outer_Full_Ant2



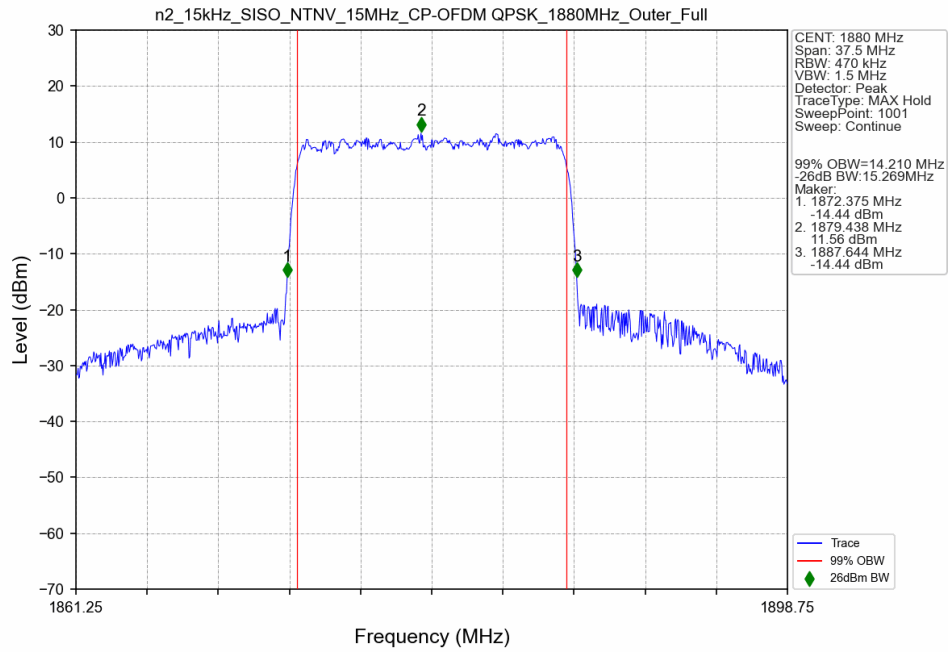
n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_1880MHz_Outer_Full_Ant2



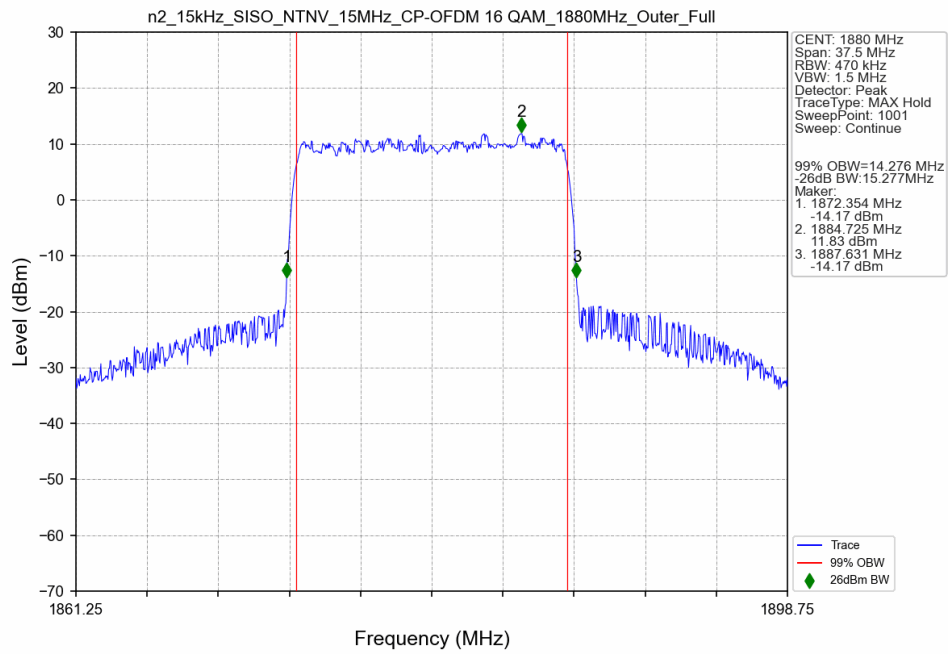
n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1880MHz_Outer_Full_Ant2



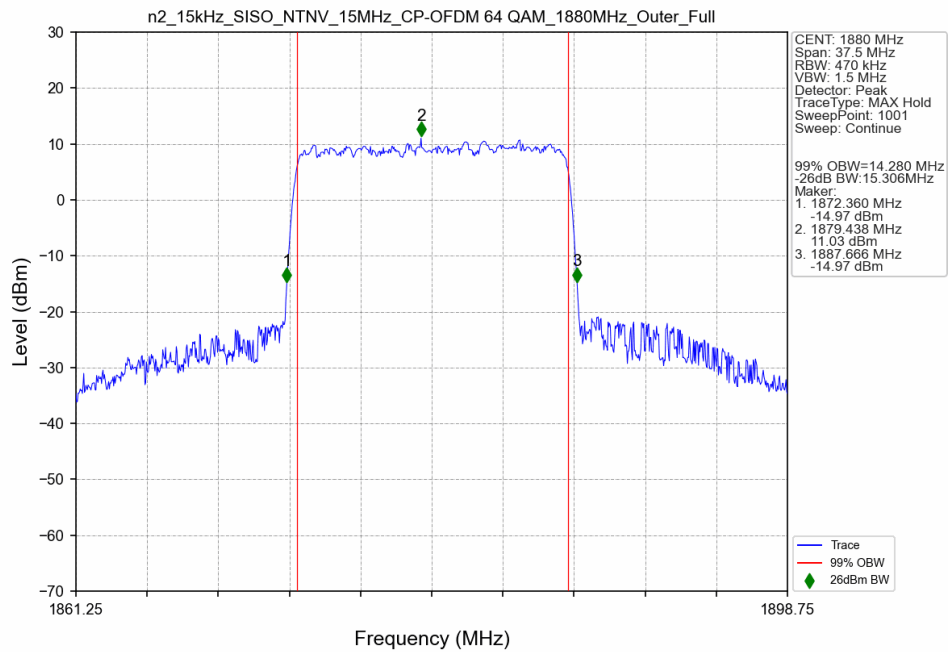
n2_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_1880MHz_Outer_Full_Ant2



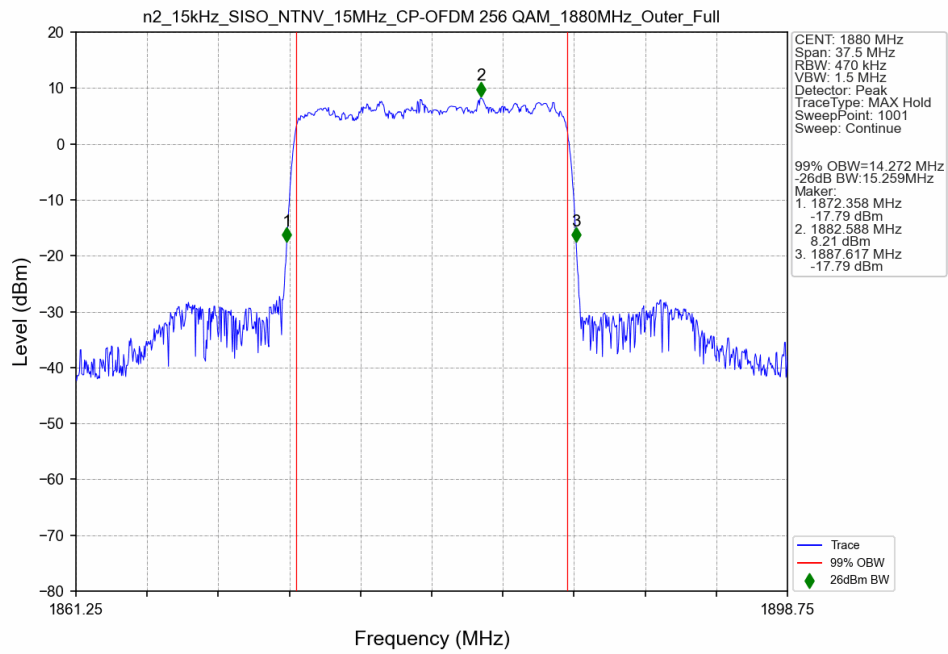
n2 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 1880MHz Outer Full Ant2



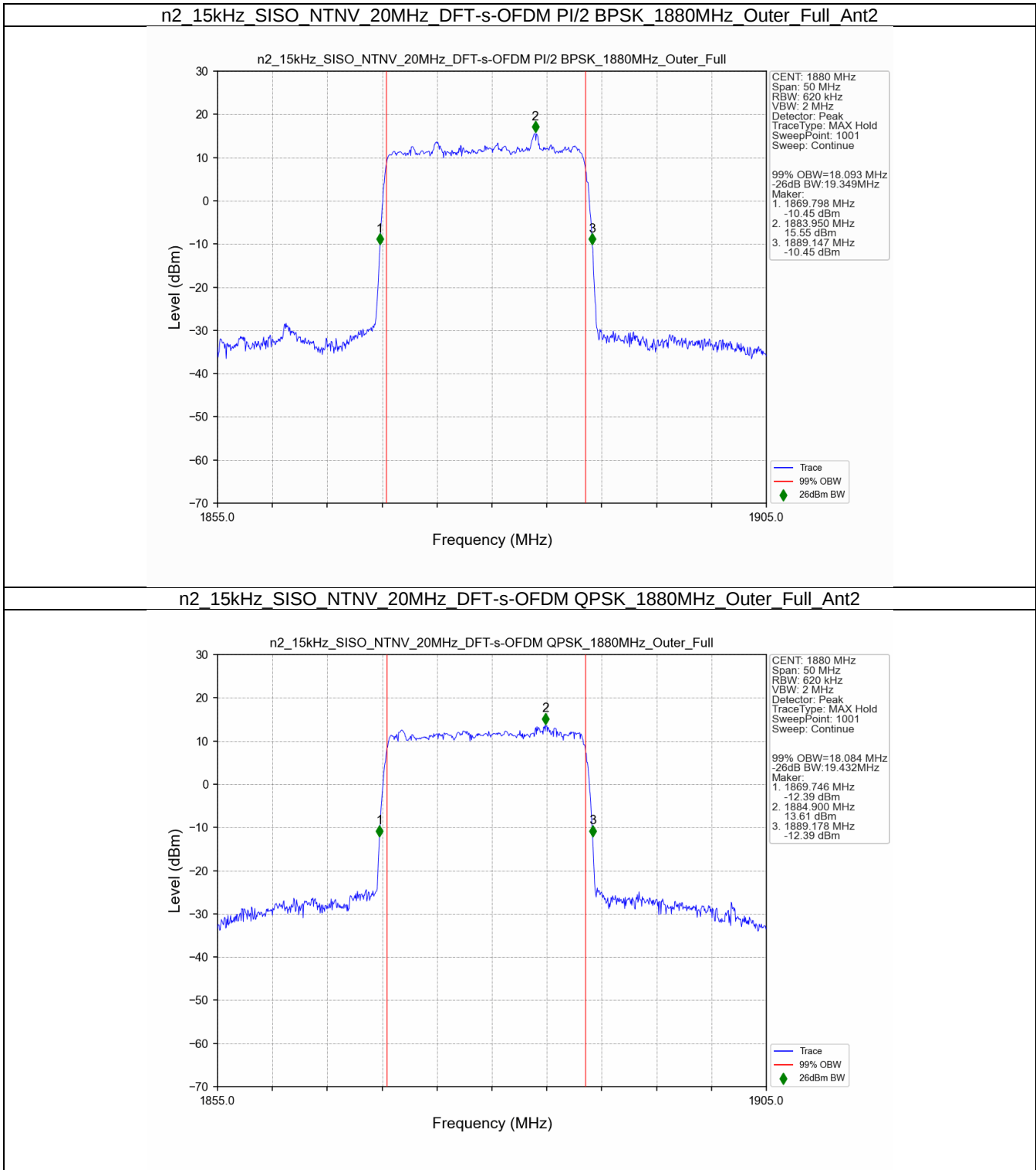
n2 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 1880MHz Outer Full Ant2



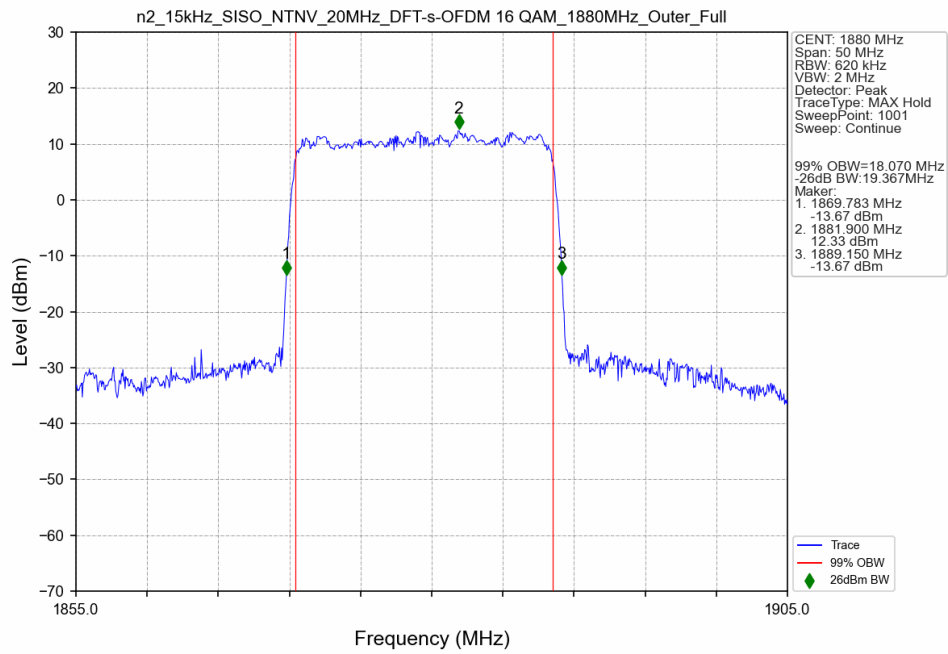
n2_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_1880MHz_Outer_Full_Ant2



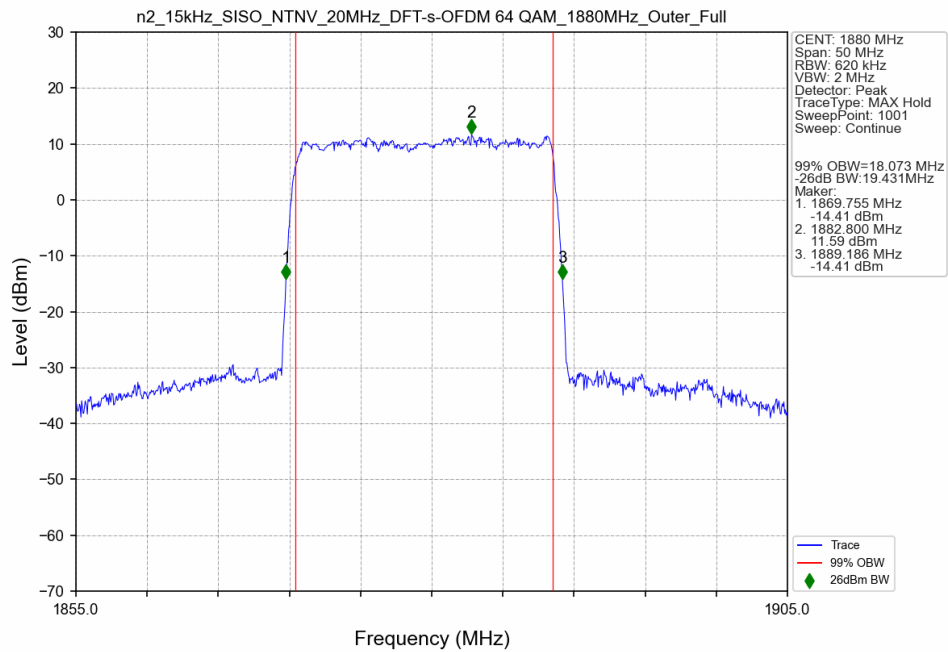
3.2.4 15k_SISO_20MHz_NTNV



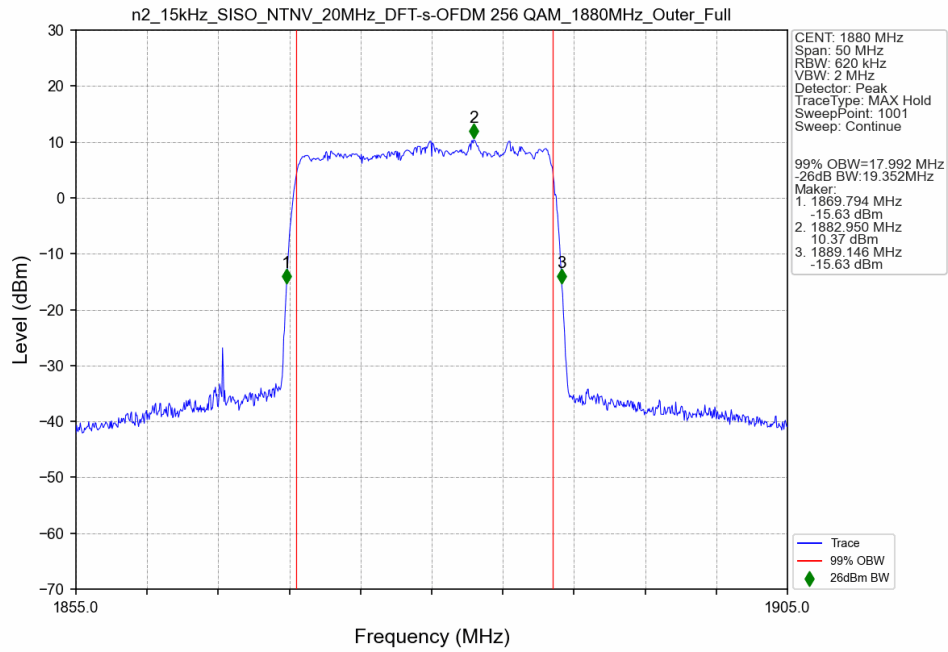
n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1880MHz_Outer_Full_Ant2



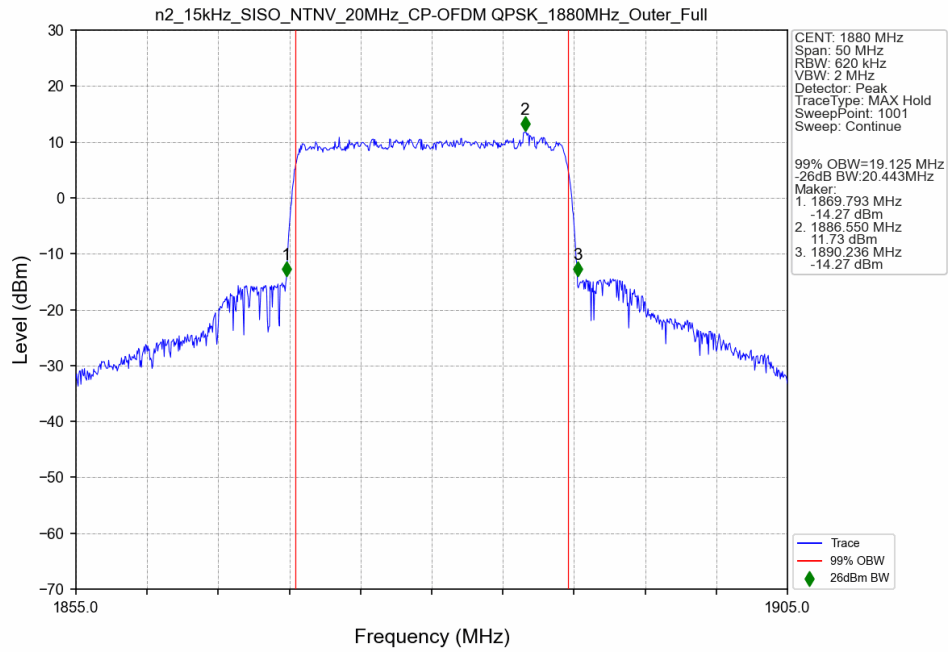
n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_1880MHz_Outer_Full_Ant2



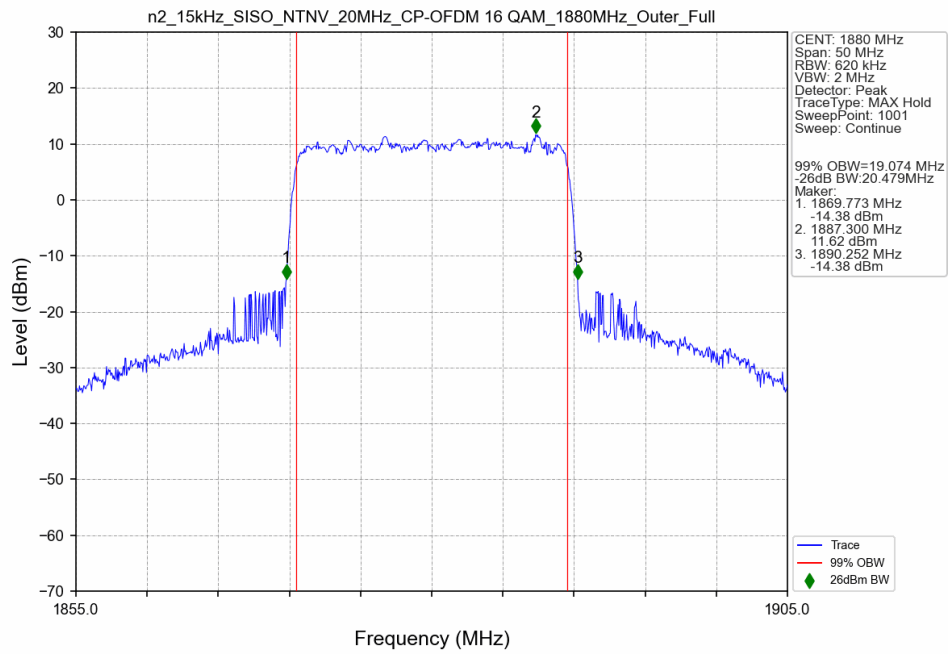
n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_1880MHz_Outer_Full_Ant2



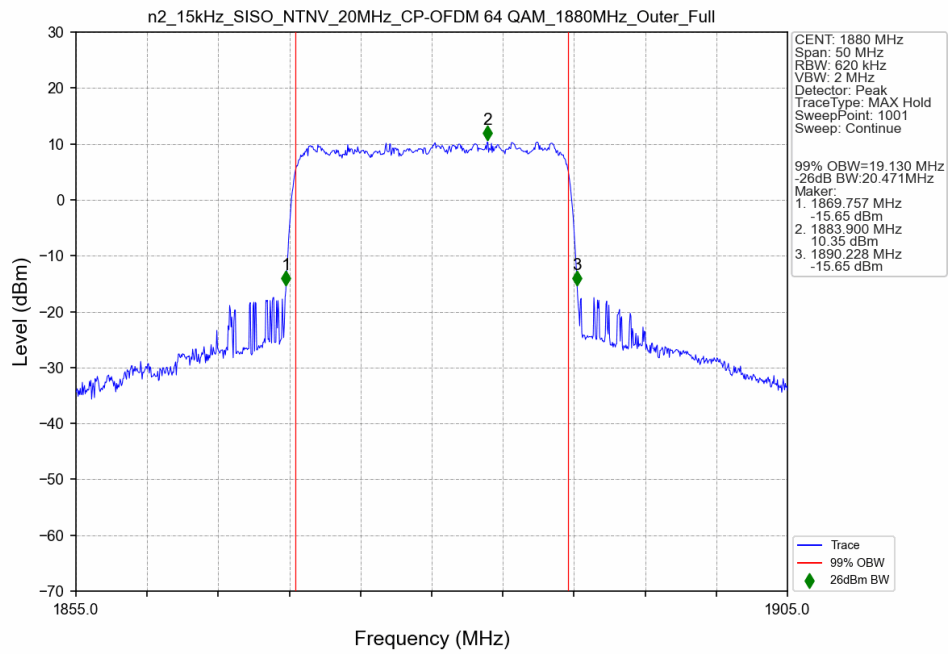
n2_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1880MHz_Outer_Full_Ant2



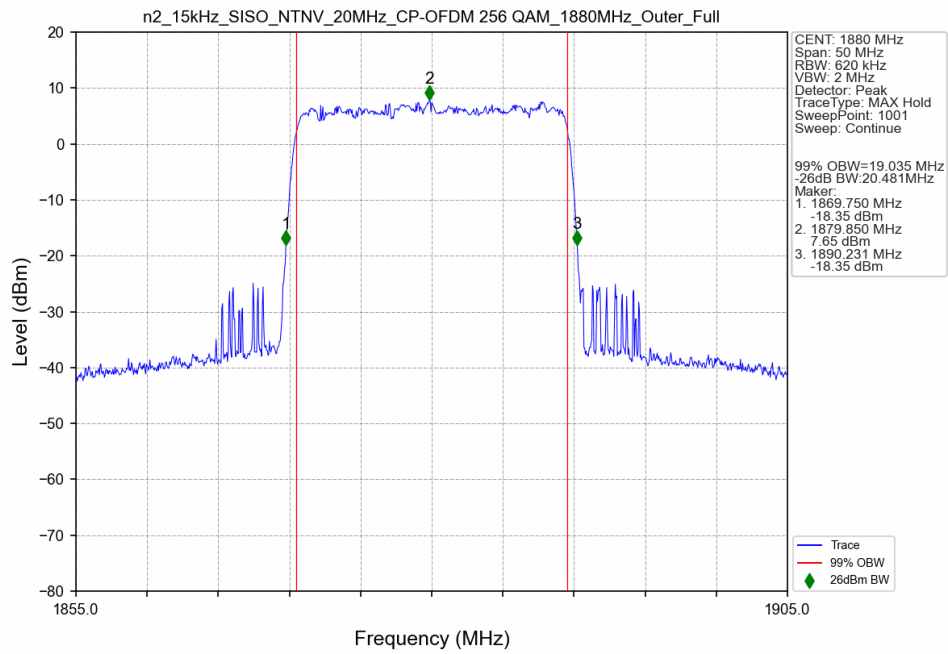
n2 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 1880MHz Outer Full Ant2



n2 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 1880MHz Outer Full Ant2



n2_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_1880MHz_Outer_Full_Ant2



4. Peak-Average Ratio

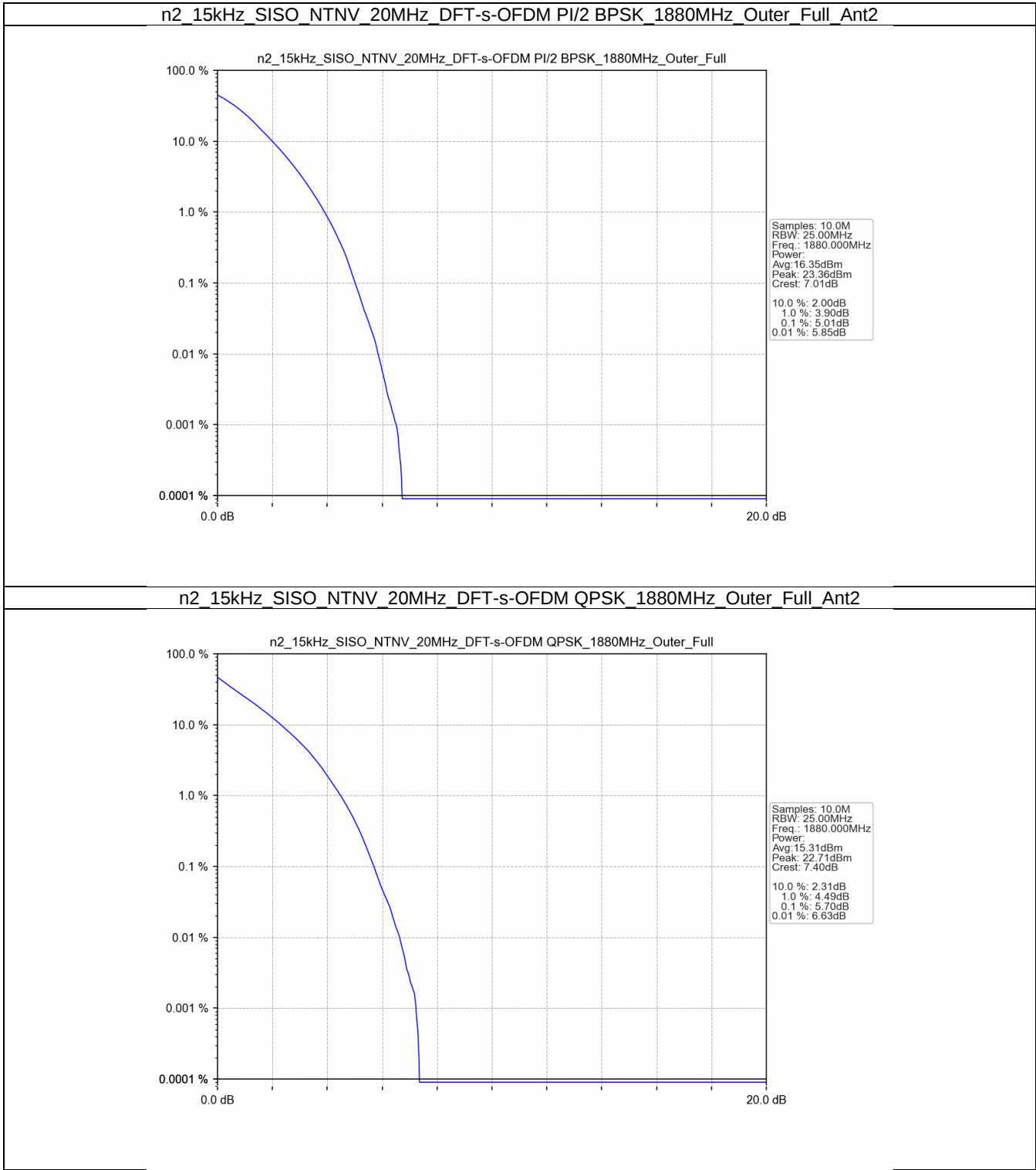
4.1 Test Result

4.1.1 15k_SISO_20MHz_NTNV

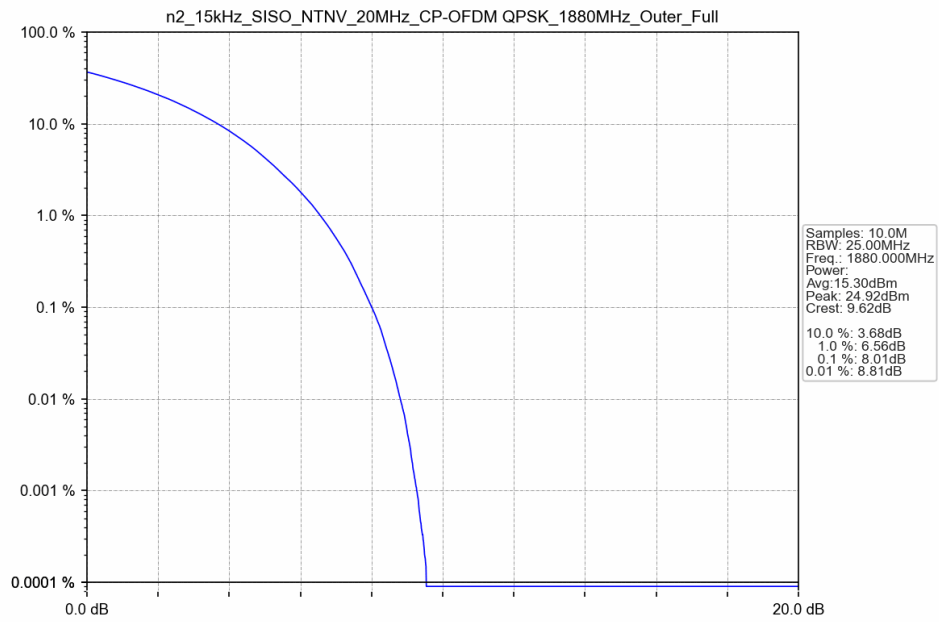
5G NR n2 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Outer Full	5.01	/	/	<=13	Pass
DFT-s-OFDM QPSK	1880	Outer Full	5.70	/	/	<=13	Pass
CP-OFDM QPSK	1880	Outer Full	8.01	/	/	<=13	Pass

4.2 Test Graph

4.2.1 15k_SISO_20MHz_NTNV



n2_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1880MHz_Outer_Full_Ant2



5. Spurious Emission

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n2 SCS=15kHz SISO 5MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Edge 1RB Left	Refer To Test Graph				Pass
	1852.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	1907.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	1880	Edge 1RB Left	Refer To Test Graph				Pass
	1852.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	1907.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
CP-OFDM QPSK	1880	Edge 1RB Left	Refer To Test Graph				Pass
	1852.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	1907.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass

5.1.2 15k_SISO_15MHz_NTNV

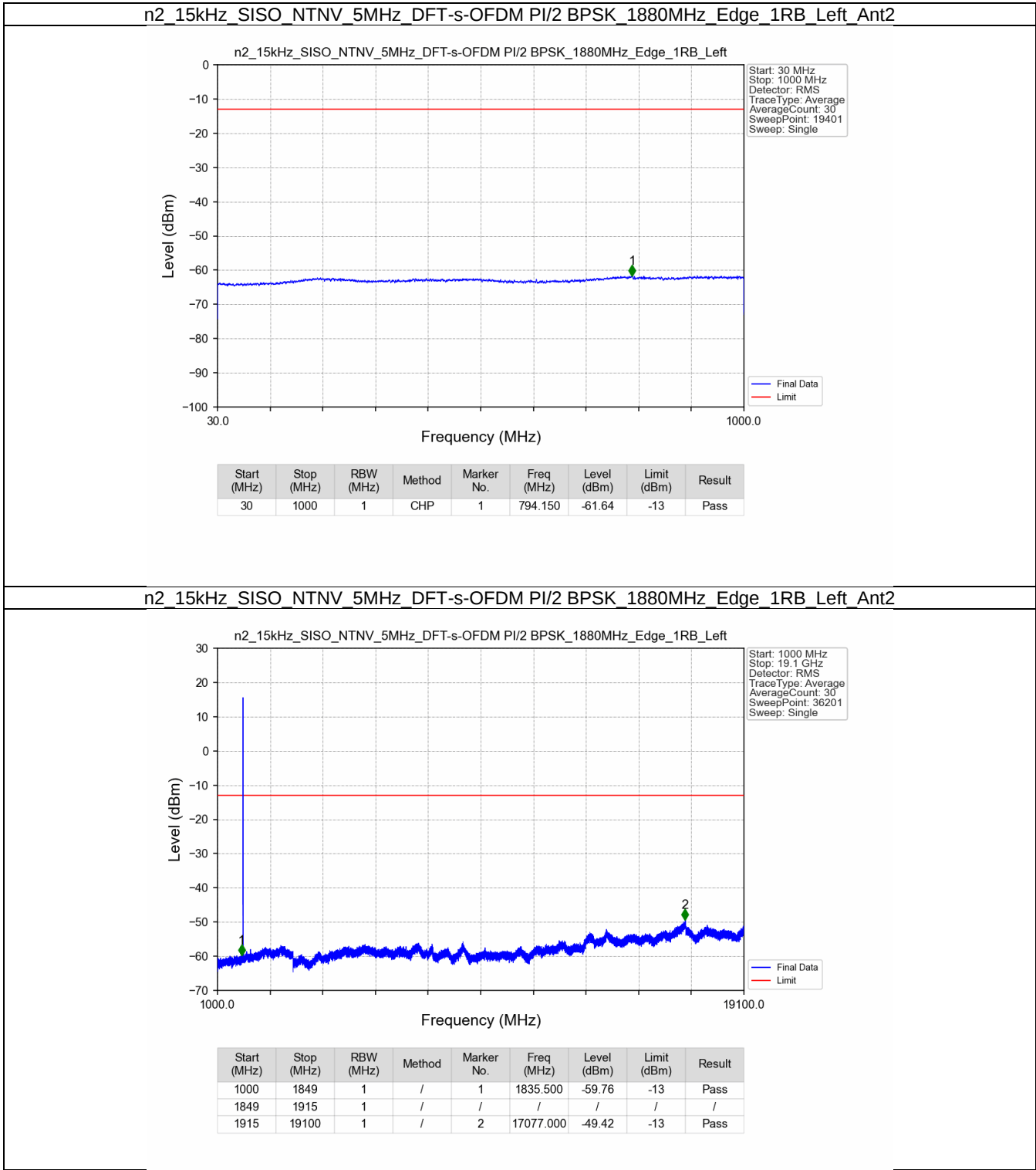
5G NR n2 SCS=15kHz SISO 15MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Edge 1RB Left	Refer To Test Graph				Pass
	1857.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	1902.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	1880	Edge 1RB Left	Refer To Test Graph				Pass
	1857.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	1902.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
CP-OFDM QPSK	1880	Edge 1RB Left	Refer To Test Graph				Pass
	1857.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	1902.5	Edge 1RB Right	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass

5.1.3 15k_SISO_20MHz_NTNV

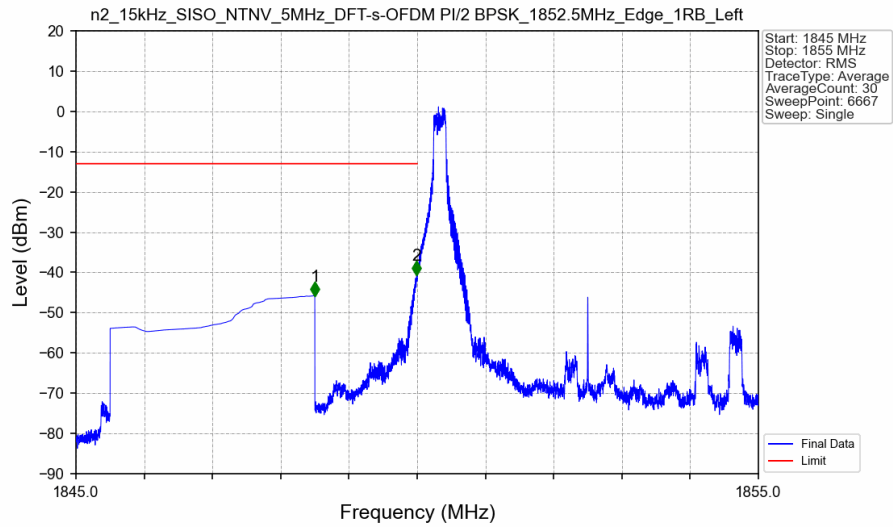
5G NR n2 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant2*	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1880	Edge_1RB_Left	Refer To Test Graph				Pass
	1860	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	1900	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	1880	Edge_1RB_Left	Refer To Test Graph				Pass
	1860	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	1900	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	1880	Edge_1RB_Left	Refer To Test Graph				Pass
	1860	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	1900	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

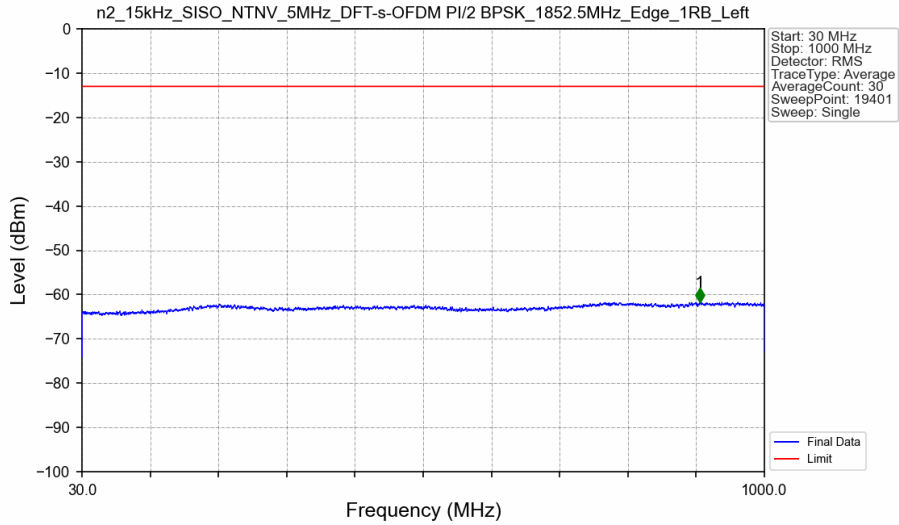


n2 15kHz SISO NTV 5MHz DFT-s-OFDM PI/2 BPSK 1852.5MHz Edge 1RB Left Ant2



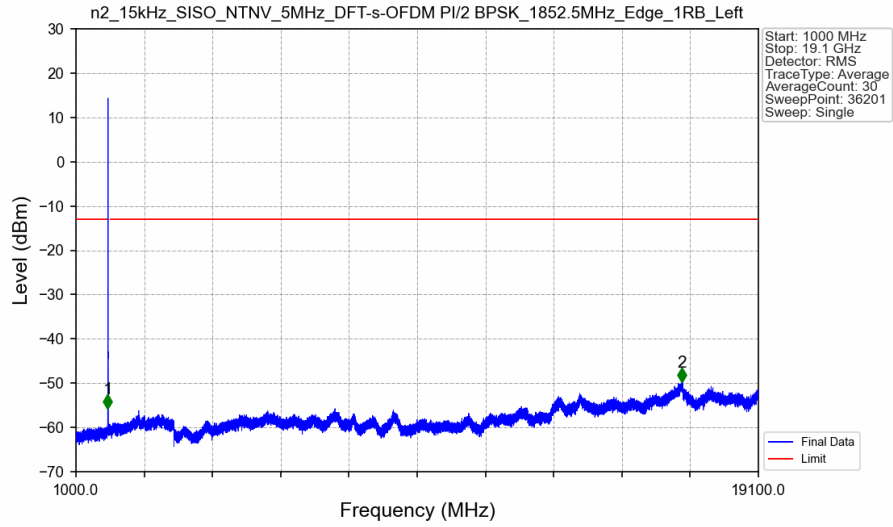
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-45.77	-13	Pass
1849	1850	0.003	/	2	1849.992	-40.62	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

n2 15kHz SISO NTV 5MHz DFT-s-OFDM PI/2 BPSK 1852.5MHz Edge 1RB Left Ant2



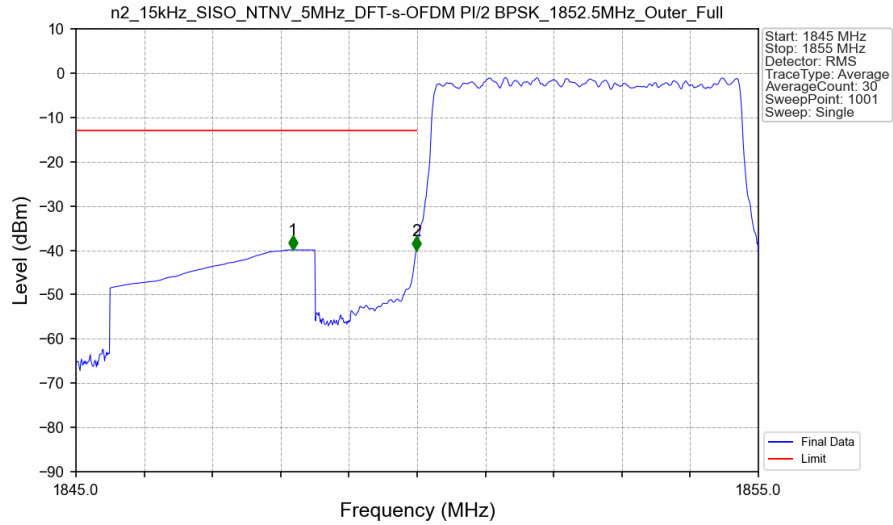
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	908.200	-61.72	-13	Pass

n2 15kHz SISO NTV 5MHz DFT-s-OFDM PI/2 BPSK 1852.5MHz Edge 1RB Left Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1849	1	/	1	1844.500	-55.77	-13	Pass
1849	1915	1	/	/	/	/	/	/
1915	19100	1	/	2	17071.500	-49.74	-13	Pass

n2 15kHz SISO NTV 5MHz DFT-s-OFDM PI/2 BPSK 1852.5MHz Outer Full Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.180	-39.88	-13	Pass
1849	1850	0.04998	CHP	2	1849.990	-40.09	-13	Pass
1850	1855	0.04998	CHP	/	/	/	/	/