



Appendix A.34

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_5M_NTNV_ERP

5G NR n71 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	665.5	Edge_1RB_Left	22.85	/	/	21.16	/	/	<=34.77	Pass
		Edge_1RB_Right	22.86	/	/	21.17	/	/	<=34.77	Pass
		Outer_Full	22.84	/	/	21.15	/	/	<=34.77	Pass
		Inner_Full	23.39	/	/	21.70	/	/	<=34.77	Pass
		Inner_1RB_Left	23.44	/	/	21.75	/	/	<=34.77	Pass
		Inner_1RB_Right	23.31	/	/	21.62	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.72	/	/	21.03	/	/	<=34.77	Pass
		Edge_1RB_Right	22.72	/	/	21.03	/	/	<=34.77	Pass
		Outer_Full	22.74	/	/	21.05	/	/	<=34.77	Pass
		Inner_Full	23.21	/	/	21.52	/	/	<=34.77	Pass
		Inner_1RB_Left	23.27	/	/	21.58	/	/	<=34.77	Pass
		Inner_1RB_Right	23.13	/	/	21.44	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	22.46	/	/	20.77	/	/	<=34.77	Pass
		Edge_1RB_Right	22.39	/	/	20.70	/	/	<=34.77	Pass
		Outer_Full	22.48	/	/	20.79	/	/	<=34.77	Pass
		Inner_Full	23.03	/	/	21.34	/	/	<=34.77	Pass
		Inner_1RB_Left	23.00	/	/	21.31	/	/	<=34.77	Pass
		Inner_1RB_Right	22.88	/	/	21.19	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	665.5	Edge_1RB_Left	22.41	/	/	20.72	/	/	<=34.77	Pass
		Edge_1RB_Right	22.30	/	/	20.61	/	/	<=34.77	Pass
		Outer_Full	22.34	/	/	20.65	/	/	<=34.77	Pass
		Inner_Full	23.37	/	/	21.68	/	/	<=34.77	Pass
		Inner_1RB_Left	23.40	/	/	21.71	/	/	<=34.77	Pass
		Inner_1RB_Right	23.35	/	/	21.66	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.27	/	/	20.58	/	/	<=34.77	Pass
		Edge_1RB_Right	22.25	/	/	20.56	/	/	<=34.77	Pass
		Outer_Full	22.26	/	/	20.57	/	/	<=34.77	Pass
		Inner_Full	23.25	/	/	21.56	/	/	<=34.77	Pass
		Inner_1RB_Left	23.26	/	/	21.57	/	/	<=34.77	Pass
		Inner_1RB_Right	23.23	/	/	21.54	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	22.02	/	/	20.33	/	/	<=34.77	Pass
		Edge_1RB_Right	21.85	/	/	20.16	/	/	<=34.77	Pass
		Outer_Full	22.00	/	/	20.31	/	/	<=34.77	Pass
		Inner_Full	22.91	/	/	21.22	/	/	<=34.77	Pass
		Inner_1RB_Left	22.99	/	/	21.30	/	/	<=34.77	Pass
		Inner_1RB_Right	22.86	/	/	21.17	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	665.5	Edge_1RB_Left	21.43	/	/	19.74	/	/	<=34.77	Pass
		Edge_1RB_Right	21.29	/	/	19.60	/	/	<=34.77	Pass
		Outer_Full	21.38	/	/	19.69	/	/	<=34.77	Pass
		Inner_Full	22.47	/	/	20.78	/	/	<=34.77	Pass

		Inner_1RB_Left	22.38	/	/	20.69	/	/	<=34.77	Pass
		Inner_1RB_Right	22.36	/	/	20.67	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.19	/	/	19.50	/	/	<=34.77	Pass
		Edge_1RB_Right	21.20	/	/	19.51	/	/	<=34.77	Pass
		Outer_Full	21.34	/	/	19.65	/	/	<=34.77	Pass
		Inner_Full	22.42	/	/	20.73	/	/	<=34.77	Pass
		Inner_1RB_Left	22.23	/	/	20.54	/	/	<=34.77	Pass
		Inner_1RB_Right	22.09	/	/	20.40	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	20.92	/	/	19.23	/	/	<=34.77	Pass
		Edge_1RB_Right	20.83	/	/	19.14	/	/	<=34.77	Pass
		Outer_Full	20.93	/	/	19.24	/	/	<=34.77	Pass
		Inner_Full	22.11	/	/	20.42	/	/	<=34.77	Pass
		Inner_1RB_Left	22.00	/	/	20.31	/	/	<=34.77	Pass
		Inner_1RB_Right	21.89	/	/	20.20	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	665.5	Edge_1RB_Left	21.12	/	/	19.43	/	/	<=34.77	Pass
		Edge_1RB_Right	20.96	/	/	19.27	/	/	<=34.77	Pass
		Outer_Full	20.87	/	/	19.18	/	/	<=34.77	Pass
		Inner_Full	20.93	/	/	19.24	/	/	<=34.77	Pass
		Inner_1RB_Left	21.10	/	/	19.41	/	/	<=34.77	Pass
		Inner_1RB_Right	21.00	/	/	19.31	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.94	/	/	19.25	/	/	<=34.77	Pass
		Edge_1RB_Right	20.92	/	/	19.23	/	/	<=34.77	Pass
		Outer_Full	20.82	/	/	19.13	/	/	<=34.77	Pass
		Inner_Full	20.85	/	/	19.16	/	/	<=34.77	Pass
		Inner_1RB_Left	20.90	/	/	19.21	/	/	<=34.77	Pass
		Inner_1RB_Right	20.84	/	/	19.15	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	20.68	/	/	18.99	/	/	<=34.77	Pass
		Edge_1RB_Right	20.45	/	/	18.76	/	/	<=34.77	Pass
		Outer_Full	20.53	/	/	18.84	/	/	<=34.77	Pass
		Inner_Full	20.54	/	/	18.85	/	/	<=34.77	Pass
		Inner_1RB_Left	20.65	/	/	18.96	/	/	<=34.77	Pass
		Inner_1RB_Right	20.54	/	/	18.85	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	665.5	Edge_1RB_Left	18.28	/	/	16.59	/	/	<=34.77	Pass
		Edge_1RB_Right	18.21	/	/	16.52	/	/	<=34.77	Pass
		Outer_Full	18.73	/	/	17.04	/	/	<=34.77	Pass
		Inner_Full	18.91	/	/	17.22	/	/	<=34.77	Pass
		Inner_1RB_Left	18.35	/	/	16.66	/	/	<=34.77	Pass
		Inner_1RB_Right	18.25	/	/	16.56	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	18.15	/	/	16.46	/	/	<=34.77	Pass
		Edge_1RB_Right	18.05	/	/	16.36	/	/	<=34.77	Pass
		Outer_Full	18.66	/	/	16.97	/	/	<=34.77	Pass
		Inner_Full	18.77	/	/	17.08	/	/	<=34.77	Pass
		Inner_1RB_Left	18.19	/	/	16.50	/	/	<=34.77	Pass
		Inner_1RB_Right	18.18	/	/	16.49	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	17.99	/	/	16.30	/	/	<=34.77	Pass
		Edge_1RB_Right	17.81	/	/	16.12	/	/	<=34.77	Pass
		Outer_Full	18.45	/	/	16.76	/	/	<=34.77	Pass
		Inner_Full	18.42	/	/	16.73	/	/	<=34.77	Pass
		Inner_1RB_Left	17.98	/	/	16.29	/	/	<=34.77	Pass
		Inner_1RB_Right	17.87	/	/	16.18	/	/	<=34.77	Pass
CP-OFDM QPSK	665.5	Edge_1RB_Left	20.40	/	/	18.71	/	/	<=34.77	Pass
		Edge_1RB_Right	20.32	/	/	18.63	/	/	<=34.77	Pass
		Outer_Full	20.35	/	/	18.66	/	/	<=34.77	Pass

		Inner Full	22.03	/	/	20.34	/	/	<=34.77	Pass
		Inner 1RB Left	21.94	/	/	20.25	/	/	<=34.77	Pass
		Inner 1RB Right	21.85	/	/	20.16	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	20.31	/	/	18.62	/	/	<=34.77	Pass
		Edge 1RB Right	20.30	/	/	18.61	/	/	<=34.77	Pass
		Outer Full	20.23	/	/	18.54	/	/	<=34.77	Pass
		Inner Full	21.93	/	/	20.24	/	/	<=34.77	Pass
		Inner 1RB Left	21.78	/	/	20.09	/	/	<=34.77	Pass
		Inner 1RB Right	21.76	/	/	20.07	/	/	<=34.77	Pass
	695.5	Edge 1RB Left	19.96	/	/	18.27	/	/	<=34.77	Pass
		Edge 1RB Right	19.89	/	/	18.20	/	/	<=34.77	Pass
		Outer Full	19.89	/	/	18.20	/	/	<=34.77	Pass
		Inner Full	21.39	/	/	19.70	/	/	<=34.77	Pass
		Inner 1RB Left	21.58	/	/	19.89	/	/	<=34.77	Pass
		Inner 1RB Right	21.38	/	/	19.69	/	/	<=34.77	Pass
CP-OFDM 16 QAM	665.5	Edge 1RB Left	20.41	/	/	18.72	/	/	<=34.77	Pass
		Edge 1RB Right	20.24	/	/	18.55	/	/	<=34.77	Pass
		Outer Full	20.36	/	/	18.67	/	/	<=34.77	Pass
		Inner Full	21.35	/	/	19.66	/	/	<=34.77	Pass
		Inner 1RB Left	21.38	/	/	19.69	/	/	<=34.77	Pass
		Inner 1RB Right	21.30	/	/	19.61	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	20.23	/	/	18.54	/	/	<=34.77	Pass
		Edge 1RB Right	20.23	/	/	18.54	/	/	<=34.77	Pass
		Outer Full	20.20	/	/	18.51	/	/	<=34.77	Pass
		Inner Full	21.20	/	/	19.51	/	/	<=34.77	Pass
		Inner 1RB Left	21.23	/	/	19.54	/	/	<=34.77	Pass
		Inner 1RB Right	21.10	/	/	19.41	/	/	<=34.77	Pass
	695.5	Edge 1RB Left	19.92	/	/	18.23	/	/	<=34.77	Pass
		Edge 1RB Right	19.76	/	/	18.07	/	/	<=34.77	Pass
		Outer Full	20.02	/	/	18.33	/	/	<=34.77	Pass
		Inner Full	20.99	/	/	19.30	/	/	<=34.77	Pass
		Inner 1RB Left	20.95	/	/	19.26	/	/	<=34.77	Pass
		Inner 1RB Right	20.86	/	/	19.17	/	/	<=34.77	Pass
CP-OFDM 64 QAM	665.5	Edge 1RB Left	19.99	/	/	18.30	/	/	<=34.77	Pass
		Edge 1RB Right	19.91	/	/	18.22	/	/	<=34.77	Pass
		Outer Full	19.81	/	/	18.12	/	/	<=34.77	Pass
		Inner Full	19.91	/	/	18.22	/	/	<=34.77	Pass
		Inner 1RB Left	19.97	/	/	18.28	/	/	<=34.77	Pass
		Inner 1RB Right	19.90	/	/	18.21	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	19.80	/	/	18.11	/	/	<=34.77	Pass
		Edge 1RB Right	19.71	/	/	18.02	/	/	<=34.77	Pass
		Outer Full	19.75	/	/	18.06	/	/	<=34.77	Pass
		Inner Full	19.76	/	/	18.07	/	/	<=34.77	Pass
		Inner 1RB Left	19.80	/	/	18.11	/	/	<=34.77	Pass
		Inner 1RB Right	19.68	/	/	17.99	/	/	<=34.77	Pass
	695.5	Edge 1RB Left	19.46	/	/	17.77	/	/	<=34.77	Pass
		Edge 1RB Right	19.41	/	/	17.72	/	/	<=34.77	Pass
		Outer Full	19.40	/	/	17.71	/	/	<=34.77	Pass
		Inner Full	19.50	/	/	17.81	/	/	<=34.77	Pass
		Inner 1RB Left	19.51	/	/	17.82	/	/	<=34.77	Pass
		Inner 1RB Right	19.34	/	/	17.65	/	/	<=34.77	Pass
CP-OFDM 256 QAM	665.5	Edge 1RB Left	16.51	/	/	14.82	/	/	<=34.77	Pass
		Edge 1RB Right	16.39	/	/	14.70	/	/	<=34.77	Pass

		Outer Full	16.88	/	/	15.19	/	/	<=34.77	Pass
		Inner Full	16.90	/	/	15.21	/	/	<=34.77	Pass
		Inner 1RB Left	16.50	/	/	14.81	/	/	<=34.77	Pass
		Inner 1RB Right	16.39	/	/	14.70	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	16.37	/	/	14.68	/	/	<=34.77	Pass
		Edge 1RB Right	16.38	/	/	14.69	/	/	<=34.77	Pass
		Outer Full	16.73	/	/	15.04	/	/	<=34.77	Pass
		Inner Full	16.77	/	/	15.08	/	/	<=34.77	Pass
	695.5	Inner 1RB Left	16.38	/	/	14.69	/	/	<=34.77	Pass
		Inner 1RB Right	16.27	/	/	14.58	/	/	<=34.77	Pass
		Edge 1RB Left	16.08	/	/	14.39	/	/	<=34.77	Pass
		Edge 1RB Right	15.91	/	/	14.22	/	/	<=34.77	Pass
		Outer Full	16.37	/	/	14.68	/	/	<=34.77	Pass
		Inner Full	16.45	/	/	14.76	/	/	<=34.77	Pass
		Inner 1RB Left	16.04	/	/	14.35	/	/	<=34.77	Pass
		Inner 1RB Right	16.04	/	/	14.35	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant0: 0.46dBi;
Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 15_S_10M_NTNV_ERP

5G NR n71 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	668	Edge 1RB Left	22.91	/	/	21.22	/	/	<=34.77	Pass
		Edge 1RB Right	22.76	/	/	21.07	/	/	<=34.77	Pass
		Outer Full	22.77	/	/	21.08	/	/	<=34.77	Pass
		Inner Full	23.32	/	/	21.63	/	/	<=34.77	Pass
		Inner 1RB Left	23.37	/	/	21.68	/	/	<=34.77	Pass
		Inner 1RB Right	23.23	/	/	21.54	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	22.79	/	/	21.10	/	/	<=34.77	Pass
		Edge 1RB Right	22.73	/	/	21.04	/	/	<=34.77	Pass
		Outer Full	22.76	/	/	21.07	/	/	<=34.77	Pass
		Inner Full	23.26	/	/	21.57	/	/	<=34.77	Pass
		Inner 1RB Left	23.27	/	/	21.58	/	/	<=34.77	Pass
		Inner 1RB Right	23.23	/	/	21.54	/	/	<=34.77	Pass
	693	Edge 1RB Left	22.72	/	/	21.03	/	/	<=34.77	Pass
		Edge 1RB Right	22.47	/	/	20.78	/	/	<=34.77	Pass
		Outer Full	22.63	/	/	20.94	/	/	<=34.77	Pass
		Inner Full	23.06	/	/	21.37	/	/	<=34.77	Pass
		Inner 1RB Left	23.22	/	/	21.53	/	/	<=34.77	Pass
		Inner 1RB Right	22.99	/	/	21.30	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	668	Edge 1RB Left	22.27	/	/	20.58	/	/	<=34.77	Pass
		Edge 1RB Right	22.23	/	/	20.54	/	/	<=34.77	Pass
		Outer Full	22.30	/	/	20.61	/	/	<=34.77	Pass
		Inner Full	23.29	/	/	21.60	/	/	<=34.77	Pass
		Inner 1RB Left	23.36	/	/	21.67	/	/	<=34.77	Pass
		Inner 1RB Right	23.19	/	/	21.50	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	22.30	/	/	20.61	/	/	<=34.77	Pass
		Edge 1RB Right	22.29	/	/	20.60	/	/	<=34.77	Pass

		Inner Full	23.30	/	/	21.61	/	/	<=34.77	Pass
		Inner 1RB Left	23.26	/	/	21.57	/	/	<=34.77	Pass
		Inner 1RB Right	23.26	/	/	21.57	/	/	<=34.77	Pass
	693	Edge 1RB Left	22.22	/	/	20.53	/	/	<=34.77	Pass
		Edge 1RB Right	21.93	/	/	20.24	/	/	<=34.77	Pass
		Outer Full	22.05	/	/	20.36	/	/	<=34.77	Pass
		Inner Full	23.10	/	/	21.41	/	/	<=34.77	Pass
		Inner 1RB Left	23.28	/	/	21.59	/	/	<=34.77	Pass
		Inner 1RB Right	22.96	/	/	21.27	/	/	<=34.77	Pass
		Edge 1RB Left	21.28	/	/	19.59	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	668	Edge 1RB Right	21.16	/	/	19.47	/	/	<=34.77	Pass
		Outer Full	21.29	/	/	19.60	/	/	<=34.77	Pass
		Inner Full	22.33	/	/	20.64	/	/	<=34.77	Pass
		Inner 1RB Left	22.29	/	/	20.60	/	/	<=34.77	Pass
		Inner 1RB Right	22.16	/	/	20.47	/	/	<=34.77	Pass
		Edge 1RB Left	21.27	/	/	19.58	/	/	<=34.77	Pass
	680.5	Edge 1RB Right	21.28	/	/	19.59	/	/	<=34.77	Pass
		Outer Full	21.26	/	/	19.57	/	/	<=34.77	Pass
		Inner Full	22.33	/	/	20.64	/	/	<=34.77	Pass
		Inner 1RB Left	22.29	/	/	20.60	/	/	<=34.77	Pass
		Inner 1RB Right	22.22	/	/	20.53	/	/	<=34.77	Pass
		Edge 1RB Left	21.27	/	/	19.58	/	/	<=34.77	Pass
	693	Edge 1RB Right	20.94	/	/	19.25	/	/	<=34.77	Pass
		Outer Full	21.13	/	/	19.44	/	/	<=34.77	Pass
		Inner Full	22.13	/	/	20.44	/	/	<=34.77	Pass
		Inner 1RB Left	22.21	/	/	20.52	/	/	<=34.77	Pass
		Inner 1RB Right	21.94	/	/	20.25	/	/	<=34.77	Pass
		Edge 1RB Left	21.08	/	/	19.39	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	668	Edge 1RB Right	20.84	/	/	19.15	/	/	<=34.77	Pass
		Outer Full	20.80	/	/	19.11	/	/	<=34.77	Pass
		Inner Full	20.83	/	/	19.14	/	/	<=34.77	Pass
		Inner 1RB Left	21.03	/	/	19.34	/	/	<=34.77	Pass
		Inner 1RB Right	20.89	/	/	19.20	/	/	<=34.77	Pass
		Edge 1RB Left	20.88	/	/	19.19	/	/	<=34.77	Pass
	680.5	Edge 1RB Right	20.89	/	/	19.20	/	/	<=34.77	Pass
		Outer Full	20.79	/	/	19.10	/	/	<=34.77	Pass
		Inner Full	20.83	/	/	19.14	/	/	<=34.77	Pass
		Inner 1RB Left	20.94	/	/	19.25	/	/	<=34.77	Pass
		Inner 1RB Right	20.93	/	/	19.24	/	/	<=34.77	Pass
		Edge 1RB Left	20.78	/	/	19.09	/	/	<=34.77	Pass
	693	Edge 1RB Right	20.45	/	/	18.76	/	/	<=34.77	Pass
		Outer Full	20.50	/	/	18.81	/	/	<=34.77	Pass
		Inner Full	20.47	/	/	18.78	/	/	<=34.77	Pass
		Inner 1RB Left	20.81	/	/	19.12	/	/	<=34.77	Pass
		Inner 1RB Right	20.55	/	/	18.86	/	/	<=34.77	Pass
		Edge 1RB Left	18.26	/	/	16.57	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	668	Edge 1RB Right	18.07	/	/	16.38	/	/	<=34.77	Pass
		Outer Full	18.73	/	/	17.04	/	/	<=34.77	Pass
		Inner Full	18.72	/	/	17.03	/	/	<=34.77	Pass
		Inner 1RB Left	18.24	/	/	16.55	/	/	<=34.77	Pass
		Inner 1RB Right	18.13	/	/	16.44	/	/	<=34.77	Pass
		Edge 1RB Left	18.14	/	/	16.45	/	/	<=34.77	Pass
	680.5	Edge 1RB Right	18.12	/	/	16.43	/	/	<=34.77	Pass

		Outer_Full	18.69	/	/	17.00	/	/	<=34.77	Pass
		Inner_Full	18.68	/	/	16.99	/	/	<=34.77	Pass
		Inner_1RB_Left	18.20	/	/	16.51	/	/	<=34.77	Pass
		Inner_1RB_Right	18.17	/	/	16.48	/	/	<=34.77	Pass
	693	Edge_1RB_Left	18.03	/	/	16.34	/	/	<=34.77	Pass
		Edge_1RB_Right	17.69	/	/	16.00	/	/	<=34.77	Pass
		Outer_Full	18.39	/	/	16.70	/	/	<=34.77	Pass
		Inner_Full	18.44	/	/	16.75	/	/	<=34.77	Pass
		Inner_1RB_Left	18.04	/	/	16.35	/	/	<=34.77	Pass
		Inner_1RB_Right	17.73	/	/	16.04	/	/	<=34.77	Pass
		Edge_1RB_Left	20.33	/	/	18.64	/	/	<=34.77	Pass
		Edge_1RB_Right	20.30	/	/	18.61	/	/	<=34.77	Pass
CP-OFDM QPSK	668	Outer_Full	20.25	/	/	18.56	/	/	<=34.77	Pass
		Inner_Full	21.73	/	/	20.04	/	/	<=34.77	Pass
		Inner_1RB_Left	21.76	/	/	20.07	/	/	<=34.77	Pass
		Inner_1RB_Right	21.69	/	/	20.00	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.25	/	/	18.56	/	/	<=34.77	Pass
		Edge_1RB_Right	20.17	/	/	18.48	/	/	<=34.77	Pass
		Outer_Full	20.25	/	/	18.56	/	/	<=34.77	Pass
		Inner_Full	21.72	/	/	20.03	/	/	<=34.77	Pass
		Inner_1RB_Left	21.71	/	/	20.02	/	/	<=34.77	Pass
		Inner_1RB_Right	21.71	/	/	20.02	/	/	<=34.77	Pass
	693	Edge_1RB_Left	20.08	/	/	18.39	/	/	<=34.77	Pass
		Edge_1RB_Right	19.74	/	/	18.05	/	/	<=34.77	Pass
		Outer_Full	19.98	/	/	18.29	/	/	<=34.77	Pass
		Inner_Full	21.53	/	/	19.84	/	/	<=34.77	Pass
		Inner_1RB_Left	21.74	/	/	20.05	/	/	<=34.77	Pass
		Inner_1RB_Right	21.45	/	/	19.76	/	/	<=34.77	Pass
CP-OFDM 16 QAM	668	Edge_1RB_Left	20.28	/	/	18.59	/	/	<=34.77	Pass
		Edge_1RB_Right	20.08	/	/	18.39	/	/	<=34.77	Pass
		Outer_Full	20.30	/	/	18.61	/	/	<=34.77	Pass
		Inner_Full	21.30	/	/	19.61	/	/	<=34.77	Pass
		Inner_1RB_Left	21.43	/	/	19.74	/	/	<=34.77	Pass
		Inner_1RB_Right	21.23	/	/	19.54	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.14	/	/	18.45	/	/	<=34.77	Pass
		Edge_1RB_Right	20.17	/	/	18.48	/	/	<=34.77	Pass
		Outer_Full	20.22	/	/	18.53	/	/	<=34.77	Pass
		Inner_Full	21.29	/	/	19.60	/	/	<=34.77	Pass
		Inner_1RB_Left	21.18	/	/	19.49	/	/	<=34.77	Pass
		Inner_1RB_Right	21.21	/	/	19.52	/	/	<=34.77	Pass
	693	Edge_1RB_Left	20.20	/	/	18.51	/	/	<=34.77	Pass
		Edge_1RB_Right	19.93	/	/	18.24	/	/	<=34.77	Pass
		Outer_Full	19.98	/	/	18.29	/	/	<=34.77	Pass
		Inner_Full	21.07	/	/	19.38	/	/	<=34.77	Pass
		Inner_1RB_Left	21.23	/	/	19.54	/	/	<=34.77	Pass
		Inner_1RB_Right	20.95	/	/	19.26	/	/	<=34.77	Pass
CP-OFDM 64 QAM	668	Edge_1RB_Left	19.90	/	/	18.21	/	/	<=34.77	Pass
		Edge_1RB_Right	19.86	/	/	18.17	/	/	<=34.77	Pass
		Outer_Full	19.76	/	/	18.07	/	/	<=34.77	Pass
		Inner_Full	19.80	/	/	18.11	/	/	<=34.77	Pass
		Inner_1RB_Left	19.92	/	/	18.23	/	/	<=34.77	Pass
		Inner_1RB_Right	19.74	/	/	18.05	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	19.84	/	/	18.15	/	/	<=34.77	Pass

CP-OFDM 256 QAM		Edge 1RB Right	19.80	/	/	18.11	/	/	<=34.77	Pass
		Outer Full	19.77	/	/	18.08	/	/	<=34.77	Pass
		Inner Full	19.79	/	/	18.10	/	/	<=34.77	Pass
		Inner 1RB Left	19.79	/	/	18.10	/	/	<=34.77	Pass
		Inner 1RB Right	19.82	/	/	18.13	/	/	<=34.77	Pass
	693	Edge 1RB Left	19.68	/	/	17.99	/	/	<=34.77	Pass
		Edge 1RB Right	19.41	/	/	17.72	/	/	<=34.77	Pass
		Outer Full	19.45	/	/	17.76	/	/	<=34.77	Pass
		Inner Full	19.52	/	/	17.83	/	/	<=34.77	Pass
		Inner 1RB Left	19.66	/	/	17.97	/	/	<=34.77	Pass
		Inner 1RB Right	19.38	/	/	17.69	/	/	<=34.77	Pass
	668	Edge 1RB Left	16.37	/	/	14.68	/	/	<=34.77	Pass
		Edge 1RB Right	16.27	/	/	14.58	/	/	<=34.77	Pass
		Outer Full	16.67	/	/	14.98	/	/	<=34.77	Pass
		Inner Full	16.83	/	/	15.14	/	/	<=34.77	Pass
		Inner 1RB Left	16.39	/	/	14.70	/	/	<=34.77	Pass
CP-OFDM 256 QAM	680.5	Inner 1RB Right	16.25	/	/	14.56	/	/	<=34.77	Pass
		Edge 1RB Left	16.30	/	/	14.61	/	/	<=34.77	Pass
		Edge 1RB Right	16.31	/	/	14.62	/	/	<=34.77	Pass
		Outer Full	16.71	/	/	15.02	/	/	<=34.77	Pass
		Inner Full	16.76	/	/	15.07	/	/	<=34.77	Pass
	693	Inner 1RB Left	16.36	/	/	14.67	/	/	<=34.77	Pass
		Inner 1RB Right	16.33	/	/	14.64	/	/	<=34.77	Pass
		Edge 1RB Left	16.15	/	/	14.46	/	/	<=34.77	Pass
		Edge 1RB Right	15.81	/	/	14.12	/	/	<=34.77	Pass
		Outer Full	16.36	/	/	14.67	/	/	<=34.77	Pass
		Inner Full	16.41	/	/	14.72	/	/	<=34.77	Pass
		Inner 1RB Left	16.10	/	/	14.41	/	/	<=34.77	Pass
		Inner 1RB Right	15.83	/	/	14.14	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant0: 0.46dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 15_S_15M_NTNV_ERP

5G NR n71 SCS=15kHz SISO 15MHz 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	670.5	Edge 1RB Left	22.87	/	/	21.18	/	/	<=34.77	Pass
		Edge 1RB Right	22.77	/	/	21.08	/	/	<=34.77	Pass
		Outer Full	22.81	/	/	21.12	/	/	<=34.77	Pass
		Inner Full	23.31	/	/	21.62	/	/	<=34.77	Pass
		Inner 1RB Left	23.40	/	/	21.71	/	/	<=34.77	Pass
		Inner 1RB Right	23.31	/	/	21.62	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	22.72	/	/	21.03	/	/	<=34.77	Pass
		Edge 1RB Right	22.74	/	/	21.05	/	/	<=34.77	Pass
		Outer Full	22.83	/	/	21.14	/	/	<=34.77	Pass
		Inner Full	23.31	/	/	21.62	/	/	<=34.77	Pass
		Inner 1RB Left	23.20	/	/	21.51	/	/	<=34.77	Pass
		Inner 1RB Right	23.23	/	/	21.54	/	/	<=34.77	Pass
	690.5	Edge 1RB Left	22.75	/	/	21.06	/	/	<=34.77	Pass
		Edge 1RB Right	22.47	/	/	20.78	/	/	<=34.77	Pass

DFT-s-OFDM QPSK		Outer Full	22.66	/	/	20.97	/	/	<=34.77	Pass
		Inner Full	23.25	/	/	21.56	/	/	<=34.77	Pass
		Inner 1RB Left	23.24	/	/	21.55	/	/	<=34.77	Pass
		Inner 1RB Right	22.95	/	/	21.26	/	/	<=34.77	Pass
	670.5	Edge 1RB Left	22.37	/	/	20.68	/	/	<=34.77	Pass
		Edge 1RB Right	22.36	/	/	20.67	/	/	<=34.77	Pass
		Outer Full	22.37	/	/	20.68	/	/	<=34.77	Pass
		Inner Full	23.35	/	/	21.66	/	/	<=34.77	Pass
	680.5	Inner 1RB Left	23.48	/	/	21.79	/	/	<=34.77	Pass
		Inner 1RB Right	23.42	/	/	21.73	/	/	<=34.77	Pass
		Edge 1RB Left	22.30	/	/	20.61	/	/	<=34.77	Pass
		Edge 1RB Right	22.21	/	/	20.52	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	670.5	Outer Full	22.36	/	/	20.67	/	/	<=34.77	Pass
		Inner Full	23.43	/	/	21.74	/	/	<=34.77	Pass
		Inner 1RB Left	23.28	/	/	21.59	/	/	<=34.77	Pass
		Inner 1RB Right	23.28	/	/	21.59	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	22.29	/	/	20.60	/	/	<=34.77	Pass
		Edge 1RB Right	21.95	/	/	20.26	/	/	<=34.77	Pass
		Outer Full	22.17	/	/	20.48	/	/	<=34.77	Pass
		Inner Full	23.22	/	/	21.53	/	/	<=34.77	Pass
	690.5	Inner 1RB Left	23.26	/	/	21.57	/	/	<=34.77	Pass
		Inner 1RB Right	22.98	/	/	21.29	/	/	<=34.77	Pass
		Edge 1RB Left	21.38	/	/	19.69	/	/	<=34.77	Pass
		Edge 1RB Right	21.36	/	/	19.67	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	670.5	Outer Full	21.42	/	/	19.73	/	/	<=34.77	Pass
		Inner Full	22.40	/	/	20.71	/	/	<=34.77	Pass
		Inner 1RB Left	22.40	/	/	20.71	/	/	<=34.77	Pass
		Inner 1RB Right	22.32	/	/	20.63	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	21.17	/	/	19.48	/	/	<=34.77	Pass
		Edge 1RB Right	21.16	/	/	19.47	/	/	<=34.77	Pass
		Outer Full	21.34	/	/	19.65	/	/	<=34.77	Pass
		Inner Full	22.44	/	/	20.75	/	/	<=34.77	Pass
	690.5	Inner 1RB Left	22.17	/	/	20.48	/	/	<=34.77	Pass
		Inner 1RB Right	22.16	/	/	20.47	/	/	<=34.77	Pass
		Edge 1RB Left	21.23	/	/	19.54	/	/	<=34.77	Pass
		Edge 1RB Right	20.93	/	/	19.24	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	670.5	Outer Full	21.21	/	/	19.52	/	/	<=34.77	Pass
		Inner Full	22.19	/	/	20.50	/	/	<=34.77	Pass
		Inner 1RB Left	22.20	/	/	20.51	/	/	<=34.77	Pass
		Inner 1RB Right	21.93	/	/	20.24	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	21.13	/	/	19.44	/	/	<=34.77	Pass
		Edge 1RB Right	20.92	/	/	19.23	/	/	<=34.77	Pass
		Outer Full	20.86	/	/	19.17	/	/	<=34.77	Pass
		Inner Full	20.90	/	/	19.21	/	/	<=34.77	Pass
	690.5	Inner 1RB Left	21.12	/	/	19.43	/	/	<=34.77	Pass
		Inner 1RB Right	21.00	/	/	19.31	/	/	<=34.77	Pass
		Edge 1RB Left	20.89	/	/	19.20	/	/	<=34.77	Pass
		Edge 1RB Right	20.85	/	/	19.16	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	670.5	Outer Full	20.86	/	/	19.17	/	/	<=34.77	Pass
		Inner Full	20.91	/	/	19.22	/	/	<=34.77	Pass
		Inner 1RB Left	20.89	/	/	19.20	/	/	<=34.77	Pass
		Inner 1RB Right	20.85	/	/	19.16	/	/	<=34.77	Pass
	680.5	Edge 1RB Left	20.89	/	/	19.20	/	/	<=34.77	Pass
		Edge 1RB Right	20.85	/	/	19.16	/	/	<=34.77	Pass
		Outer Full	20.86	/	/	19.17	/	/	<=34.77	Pass
		Inner Full	20.91	/	/	19.22	/	/	<=34.77	Pass
	690.5	Inner 1RB Left	20.89	/	/	19.20	/	/	<=34.77	Pass
		Inner 1RB Right	20.85	/	/	19.16	/	/	<=34.77	Pass
		Edge 1RB Left	20.89	/	/	19.20	/	/	<=34.77	Pass
		Edge 1RB Right	20.85	/	/	19.16	/	/	<=34.77	Pass

		Edge_1RB_Right	20.56	/	/	18.87	/	/	<=34.77	Pass
		Outer_Full	20.72	/	/	19.03	/	/	<=34.77	Pass
		Inner_Full	20.68	/	/	18.99	/	/	<=34.77	Pass
		Inner_1RB_Left	20.87	/	/	19.18	/	/	<=34.77	Pass
		Inner_1RB_Right	20.54	/	/	18.85	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	670.5	Edge_1RB_Left	18.19	/	/	16.50	/	/	<=34.77	Pass
		Edge_1RB_Right	18.26	/	/	16.57	/	/	<=34.77	Pass
		Outer_Full	18.78	/	/	17.09	/	/	<=34.77	Pass
		Inner_Full	18.74	/	/	17.05	/	/	<=34.77	Pass
		Inner_1RB_Left	18.22	/	/	16.53	/	/	<=34.77	Pass
		Inner_1RB_Right	18.24	/	/	16.55	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	18.06	/	/	16.37	/	/	<=34.77	Pass
		Edge_1RB_Right	18.11	/	/	16.42	/	/	<=34.77	Pass
		Outer_Full	18.77	/	/	17.08	/	/	<=34.77	Pass
		Inner_Full	18.73	/	/	17.04	/	/	<=34.77	Pass
		Inner_1RB_Left	18.10	/	/	16.41	/	/	<=34.77	Pass
		Inner_1RB_Right	18.13	/	/	16.44	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	18.08	/	/	16.39	/	/	<=34.77	Pass
		Edge_1RB_Right	17.85	/	/	16.16	/	/	<=34.77	Pass
		Outer_Full	18.57	/	/	16.88	/	/	<=34.77	Pass
		Inner_Full	18.63	/	/	16.94	/	/	<=34.77	Pass
		Inner_1RB_Left	18.07	/	/	16.38	/	/	<=34.77	Pass
		Inner_1RB_Right	17.81	/	/	16.12	/	/	<=34.77	Pass
CP-OFDM QPSK	670.5	Edge_1RB_Left	20.46	/	/	18.77	/	/	<=34.77	Pass
		Edge_1RB_Right	20.43	/	/	18.74	/	/	<=34.77	Pass
		Outer_Full	20.31	/	/	18.62	/	/	<=34.77	Pass
		Inner_Full	21.89	/	/	20.20	/	/	<=34.77	Pass
		Inner_1RB_Left	21.97	/	/	20.28	/	/	<=34.77	Pass
		Inner_1RB_Right	21.93	/	/	20.24	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.35	/	/	18.66	/	/	<=34.77	Pass
		Edge_1RB_Right	20.25	/	/	18.56	/	/	<=34.77	Pass
		Outer_Full	20.31	/	/	18.62	/	/	<=34.77	Pass
		Inner_Full	21.82	/	/	20.13	/	/	<=34.77	Pass
		Inner_1RB_Left	21.85	/	/	20.16	/	/	<=34.77	Pass
		Inner_1RB_Right	21.76	/	/	20.07	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	20.29	/	/	18.60	/	/	<=34.77	Pass
		Edge_1RB_Right	19.98	/	/	18.29	/	/	<=34.77	Pass
		Outer_Full	20.08	/	/	18.39	/	/	<=34.77	Pass
		Inner_Full	21.69	/	/	20.00	/	/	<=34.77	Pass
		Inner_1RB_Left	21.82	/	/	20.13	/	/	<=34.77	Pass
		Inner_1RB_Right	21.42	/	/	19.73	/	/	<=34.77	Pass
CP-OFDM 16 QAM	670.5	Edge_1RB_Left	20.42	/	/	18.73	/	/	<=34.77	Pass
		Edge_1RB_Right	20.31	/	/	18.62	/	/	<=34.77	Pass
		Outer_Full	20.30	/	/	18.61	/	/	<=34.77	Pass
		Inner_Full	21.44	/	/	19.75	/	/	<=34.77	Pass
		Inner_1RB_Left	21.52	/	/	19.83	/	/	<=34.77	Pass
		Inner_1RB_Right	21.32	/	/	19.63	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.19	/	/	18.50	/	/	<=34.77	Pass
		Edge_1RB_Right	20.12	/	/	18.43	/	/	<=34.77	Pass
		Outer_Full	20.26	/	/	18.57	/	/	<=34.77	Pass
		Inner_Full	21.43	/	/	19.74	/	/	<=34.77	Pass
		Inner_1RB_Left	21.21	/	/	19.52	/	/	<=34.77	Pass
		Inner_1RB_Right	21.20	/	/	19.51	/	/	<=34.77	Pass

	690.5	Edge_1RB_Left	20.23	/	/	18.54	/	/	<=34.77	Pass
		Edge_1RB_Right	19.92	/	/	18.23	/	/	<=34.77	Pass
		Outer_Full	20.07	/	/	18.38	/	/	<=34.77	Pass
		Inner_Full	21.28	/	/	19.59	/	/	<=34.77	Pass
		Inner_1RB_Left	21.26	/	/	19.57	/	/	<=34.77	Pass
		Inner_1RB_Right	20.95	/	/	19.26	/	/	<=34.77	Pass
CP-OFDM 64 QAM	670.5	Edge_1RB_Left	19.97	/	/	18.28	/	/	<=34.77	Pass
		Edge_1RB_Right	19.94	/	/	18.25	/	/	<=34.77	Pass
		Outer_Full	19.76	/	/	18.07	/	/	<=34.77	Pass
		Inner_Full	19.82	/	/	18.13	/	/	<=34.77	Pass
		Inner_1RB_Left	19.98	/	/	18.29	/	/	<=34.77	Pass
		Inner_1RB_Right	19.87	/	/	18.18	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	19.85	/	/	18.16	/	/	<=34.77	Pass
		Edge_1RB_Right	19.77	/	/	18.08	/	/	<=34.77	Pass
		Outer_Full	19.78	/	/	18.09	/	/	<=34.77	Pass
		Inner_Full	19.81	/	/	18.12	/	/	<=34.77	Pass
		Inner_1RB_Left	19.75	/	/	18.06	/	/	<=34.77	Pass
		Inner_1RB_Right	19.79	/	/	18.10	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	19.78	/	/	18.09	/	/	<=34.77	Pass
		Edge_1RB_Right	19.47	/	/	17.78	/	/	<=34.77	Pass
		Outer_Full	19.58	/	/	17.89	/	/	<=34.77	Pass
		Inner_Full	19.62	/	/	17.93	/	/	<=34.77	Pass
		Inner_1RB_Left	19.76	/	/	18.07	/	/	<=34.77	Pass
		Inner_1RB_Right	19.53	/	/	17.84	/	/	<=34.77	Pass
CP-OFDM 256 QAM	670.5	Edge_1RB_Left	16.30	/	/	14.61	/	/	<=34.77	Pass
		Edge_1RB_Right	16.34	/	/	14.65	/	/	<=34.77	Pass
		Outer_Full	16.75	/	/	15.06	/	/	<=34.77	Pass
		Inner_Full	16.79	/	/	15.10	/	/	<=34.77	Pass
		Inner_1RB_Left	16.26	/	/	14.57	/	/	<=34.77	Pass
		Inner_1RB_Right	16.35	/	/	14.66	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	16.15	/	/	14.46	/	/	<=34.77	Pass
		Edge_1RB_Right	16.29	/	/	14.60	/	/	<=34.77	Pass
		Outer_Full	16.69	/	/	15.00	/	/	<=34.77	Pass
		Inner_Full	16.81	/	/	15.12	/	/	<=34.77	Pass
		Inner_1RB_Left	16.17	/	/	14.48	/	/	<=34.77	Pass
		Inner_1RB_Right	16.19	/	/	14.50	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	16.28	/	/	14.59	/	/	<=34.77	Pass
		Edge_1RB_Right	16.04	/	/	14.35	/	/	<=34.77	Pass
		Outer_Full	16.60	/	/	14.91	/	/	<=34.77	Pass
		Inner_Full	16.55	/	/	14.86	/	/	<=34.77	Pass
		Inner_1RB_Left	16.17	/	/	14.48	/	/	<=34.77	Pass
		Inner_1RB_Right	16.01	/	/	14.32	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant0: 0.46dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.4 15_S_20M_NTNV_ERP

5G NR n71 SCS=15kHz SISO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2	673	Edge_1RB_Left	22.84	/	/	21.15	/	/	<=34.77	Pass

BPSK		Edge_1RB_Right	22.83	/	/	21.14	/	/	<=34.77	Pass
		Outer_Full	22.85	/	/	21.16	/	/	<=34.77	Pass
		Inner_Full	23.34	/	/	21.65	/	/	<=34.77	Pass
		Inner_1RB_Left	23.41	/	/	21.72	/	/	<=34.77	Pass
	680.5	Inner_1RB_Right	23.32	/	/	21.63	/	/	<=34.77	Pass
		Edge_1RB_Left	22.71	/	/	21.02	/	/	<=34.77	Pass
		Edge_1RB_Right	22.62	/	/	20.93	/	/	<=34.77	Pass
		Outer_Full	22.83	/	/	21.14	/	/	<=34.77	Pass
	688	Inner_Full	23.34	/	/	21.65	/	/	<=34.77	Pass
		Inner_1RB_Left	23.25	/	/	21.56	/	/	<=34.77	Pass
		Inner_1RB_Right	23.12	/	/	21.43	/	/	<=34.77	Pass
		Edge_1RB_Left	22.66	/	/	20.97	/	/	<=34.77	Pass
		Edge_1RB_Right	22.20	/	/	20.51	/	/	<=34.77	Pass
		Outer_Full	22.58	/	/	20.89	/	/	<=34.77	Pass
		Inner_Full	23.13	/	/	21.44	/	/	<=34.77	Pass
		Inner_1RB_Left	23.09	/	/	21.40	/	/	<=34.77	Pass
		Inner_1RB_Right	22.78	/	/	21.09	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	673	Edge_1RB_Left	22.41	/	/	20.72	/	/	<=34.77	Pass
		Edge_1RB_Right	22.39	/	/	20.70	/	/	<=34.77	Pass
		Outer_Full	22.31	/	/	20.62	/	/	<=34.77	Pass
		Inner_Full	23.33	/	/	21.64	/	/	<=34.77	Pass
	680.5	Inner_1RB_Left	23.41	/	/	21.72	/	/	<=34.77	Pass
		Inner_1RB_Right	23.36	/	/	21.67	/	/	<=34.77	Pass
		Edge_1RB_Left	22.29	/	/	20.60	/	/	<=34.77	Pass
		Edge_1RB_Right	22.21	/	/	20.52	/	/	<=34.77	Pass
	688	Outer_Full	22.28	/	/	20.59	/	/	<=34.77	Pass
		Inner_Full	23.35	/	/	21.66	/	/	<=34.77	Pass
		Inner_1RB_Left	23.33	/	/	21.64	/	/	<=34.77	Pass
		Inner_1RB_Right	23.18	/	/	21.49	/	/	<=34.77	Pass
		Edge_1RB_Left	22.18	/	/	20.49	/	/	<=34.77	Pass
		Edge_1RB_Right	21.81	/	/	20.12	/	/	<=34.77	Pass
		Outer_Full	22.10	/	/	20.41	/	/	<=34.77	Pass
		Inner_Full	23.19	/	/	21.50	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	673	Inner_1RB_Left	23.18	/	/	21.49	/	/	<=34.77	Pass
		Inner_1RB_Right	22.79	/	/	21.10	/	/	<=34.77	Pass
		Edge_1RB_Left	21.34	/	/	19.65	/	/	<=34.77	Pass
		Edge_1RB_Right	21.24	/	/	19.55	/	/	<=34.77	Pass
	680.5	Outer_Full	21.22	/	/	19.53	/	/	<=34.77	Pass
		Inner_Full	22.36	/	/	20.67	/	/	<=34.77	Pass
		Inner_1RB_Left	22.33	/	/	20.64	/	/	<=34.77	Pass
		Inner_1RB_Right	22.26	/	/	20.57	/	/	<=34.77	Pass
	688	Edge_1RB_Left	21.23	/	/	19.54	/	/	<=34.77	Pass
		Edge_1RB_Right	21.17	/	/	19.48	/	/	<=34.77	Pass
		Outer_Full	21.22	/	/	19.53	/	/	<=34.77	Pass
		Inner_Full	22.39	/	/	20.70	/	/	<=34.77	Pass
		Inner_1RB_Left	22.24	/	/	20.55	/	/	<=34.77	Pass
		Inner_1RB_Right	22.16	/	/	20.47	/	/	<=34.77	Pass
		Edge_1RB_Left	21.15	/	/	19.46	/	/	<=34.77	Pass
		Edge_1RB_Right	20.82	/	/	19.13	/	/	<=34.77	Pass
		Outer_Full	21.15	/	/	19.46	/	/	<=34.77	Pass
		Inner_Full	22.14	/	/	20.45	/	/	<=34.77	Pass
		Inner_1RB_Left	22.09	/	/	20.40	/	/	<=34.77	Pass
		Inner_1RB_Right	21.84	/	/	20.15	/	/	<=34.77	Pass

DFT-s-OFDM 64 QAM	673	Edge_1RB_Left	21.09	/	/	19.40	/	/	<=34.77	Pass
		Edge_1RB_Right	20.93	/	/	19.24	/	/	<=34.77	Pass
		Outer_Full	20.78	/	/	19.09	/	/	<=34.77	Pass
		Inner_Full	20.87	/	/	19.18	/	/	<=34.77	Pass
		Inner_1RB_Left	21.08	/	/	19.39	/	/	<=34.77	Pass
		Inner_1RB_Right	20.93	/	/	19.24	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.89	/	/	19.20	/	/	<=34.77	Pass
		Edge_1RB_Right	20.75	/	/	19.06	/	/	<=34.77	Pass
		Outer_Full	20.88	/	/	19.19	/	/	<=34.77	Pass
		Inner_Full	20.91	/	/	19.22	/	/	<=34.77	Pass
		Inner_1RB_Left	20.90	/	/	19.21	/	/	<=34.77	Pass
		Inner_1RB_Right	20.78	/	/	19.09	/	/	<=34.77	Pass
	688	Edge_1RB_Left	20.87	/	/	19.18	/	/	<=34.77	Pass
		Edge_1RB_Right	20.49	/	/	18.80	/	/	<=34.77	Pass
		Outer_Full	20.66	/	/	18.97	/	/	<=34.77	Pass
		Inner_Full	20.69	/	/	19.00	/	/	<=34.77	Pass
		Inner_1RB_Left	20.83	/	/	19.14	/	/	<=34.77	Pass
		Inner_1RB_Right	20.55	/	/	18.86	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	673	Edge_1RB_Left	18.06	/	/	16.37	/	/	<=34.77	Pass
		Edge_1RB_Right	18.09	/	/	16.40	/	/	<=34.77	Pass
		Outer_Full	18.77	/	/	17.08	/	/	<=34.77	Pass
		Inner_Full	18.74	/	/	17.05	/	/	<=34.77	Pass
		Inner_1RB_Left	18.02	/	/	16.33	/	/	<=34.77	Pass
		Inner_1RB_Right	18.11	/	/	16.42	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	17.92	/	/	16.23	/	/	<=34.77	Pass
		Edge_1RB_Right	17.98	/	/	16.29	/	/	<=34.77	Pass
		Outer_Full	18.75	/	/	17.06	/	/	<=34.77	Pass
		Inner_Full	18.78	/	/	17.09	/	/	<=34.77	Pass
		Inner_1RB_Left	17.96	/	/	16.27	/	/	<=34.77	Pass
		Inner_1RB_Right	17.98	/	/	16.29	/	/	<=34.77	Pass
	688	Edge_1RB_Left	17.84	/	/	16.15	/	/	<=34.77	Pass
		Edge_1RB_Right	17.67	/	/	15.98	/	/	<=34.77	Pass
		Outer_Full	18.59	/	/	16.90	/	/	<=34.77	Pass
		Inner_Full	18.68	/	/	16.99	/	/	<=34.77	Pass
		Inner_1RB_Left	17.91	/	/	16.22	/	/	<=34.77	Pass
		Inner_1RB_Right	17.66	/	/	15.97	/	/	<=34.77	Pass
CP-OFDM QPSK	673	Edge_1RB_Left	20.34	/	/	18.65	/	/	<=34.77	Pass
		Edge_1RB_Right	20.28	/	/	18.59	/	/	<=34.77	Pass
		Outer_Full	20.33	/	/	18.64	/	/	<=34.77	Pass
		Inner_Full	21.54	/	/	19.85	/	/	<=34.77	Pass
		Inner_1RB_Left	21.80	/	/	20.11	/	/	<=34.77	Pass
		Inner_1RB_Right	21.52	/	/	19.83	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.36	/	/	18.67	/	/	<=34.77	Pass
		Edge_1RB_Right	20.23	/	/	18.54	/	/	<=34.77	Pass
		Outer_Full	20.22	/	/	18.53	/	/	<=34.77	Pass
		Inner_Full	21.86	/	/	20.17	/	/	<=34.77	Pass
		Inner_1RB_Left	21.91	/	/	20.22	/	/	<=34.77	Pass
		Inner_1RB_Right	21.65	/	/	19.96	/	/	<=34.77	Pass
	688	Edge_1RB_Left	20.19	/	/	18.50	/	/	<=34.77	Pass
		Edge_1RB_Right	19.75	/	/	18.06	/	/	<=34.77	Pass
		Outer_Full	20.14	/	/	18.45	/	/	<=34.77	Pass
		Inner_Full	21.58	/	/	19.89	/	/	<=34.77	Pass
		Inner_1RB_Left	21.68	/	/	19.99	/	/	<=34.77	Pass

CP-OFDM 16 QAM	673	Inner 1RB Right	21.20	/	/	19.51	/	/	<=34.77	Pass
		Edge 1RB Left	20.33	/	/	18.64	/	/	<=34.77	Pass
		Edge 1RB Right	20.12	/	/	18.43	/	/	<=34.77	Pass
		Outer Full	20.08	/	/	18.39	/	/	<=34.77	Pass
		Inner Full	21.23	/	/	19.54	/	/	<=34.77	Pass
		Inner 1RB Left	21.31	/	/	19.62	/	/	<=34.77	Pass
	680.5	Inner 1RB Right	21.12	/	/	19.43	/	/	<=34.77	Pass
		Edge 1RB Left	20.20	/	/	18.51	/	/	<=34.77	Pass
		Edge 1RB Right	20.18	/	/	18.49	/	/	<=34.77	Pass
		Outer Full	20.17	/	/	18.48	/	/	<=34.77	Pass
		Inner Full	21.30	/	/	19.61	/	/	<=34.77	Pass
		Inner 1RB Left	21.27	/	/	19.58	/	/	<=34.77	Pass
	688	Inner 1RB Right	21.02	/	/	19.33	/	/	<=34.77	Pass
		Edge 1RB Left	20.13	/	/	18.44	/	/	<=34.77	Pass
		Edge 1RB Right	19.78	/	/	18.09	/	/	<=34.77	Pass
		Outer Full	20.01	/	/	18.32	/	/	<=34.77	Pass
		Inner Full	21.18	/	/	19.49	/	/	<=34.77	Pass
		Inner 1RB Left	21.09	/	/	19.40	/	/	<=34.77	Pass
CP-OFDM 64 QAM	673	Inner 1RB Right	20.80	/	/	19.11	/	/	<=34.77	Pass
		Edge 1RB Left	19.78	/	/	18.09	/	/	<=34.77	Pass
		Edge 1RB Right	19.65	/	/	17.96	/	/	<=34.77	Pass
		Outer Full	19.62	/	/	17.93	/	/	<=34.77	Pass
		Inner Full	19.68	/	/	17.99	/	/	<=34.77	Pass
		Inner 1RB Left	19.83	/	/	18.14	/	/	<=34.77	Pass
	680.5	Inner 1RB Right	19.65	/	/	17.96	/	/	<=34.77	Pass
		Edge 1RB Left	19.85	/	/	18.16	/	/	<=34.77	Pass
		Edge 1RB Right	19.74	/	/	18.05	/	/	<=34.77	Pass
		Outer Full	19.80	/	/	18.11	/	/	<=34.77	Pass
		Inner Full	19.86	/	/	18.17	/	/	<=34.77	Pass
		Inner 1RB Left	19.83	/	/	18.14	/	/	<=34.77	Pass
	688	Inner 1RB Right	19.63	/	/	17.94	/	/	<=34.77	Pass
		Edge 1RB Left	19.76	/	/	18.07	/	/	<=34.77	Pass
		Edge 1RB Right	19.38	/	/	17.69	/	/	<=34.77	Pass
		Outer Full	19.54	/	/	17.85	/	/	<=34.77	Pass
		Inner Full	19.72	/	/	18.03	/	/	<=34.77	Pass
		Inner 1RB Left	19.67	/	/	17.98	/	/	<=34.77	Pass
CP-OFDM 256 QAM	673	Inner 1RB Right	19.33	/	/	17.64	/	/	<=34.77	Pass
		Edge 1RB Left	16.06	/	/	14.37	/	/	<=34.77	Pass
		Edge 1RB Right	16.07	/	/	14.38	/	/	<=34.77	Pass
		Outer Full	16.60	/	/	14.91	/	/	<=34.77	Pass
		Inner Full	16.64	/	/	14.95	/	/	<=34.77	Pass
		Inner 1RB Left	16.09	/	/	14.40	/	/	<=34.77	Pass
	680.5	Inner 1RB Right	15.97	/	/	14.28	/	/	<=34.77	Pass
		Edge 1RB Left	16.01	/	/	14.32	/	/	<=34.77	Pass
		Edge 1RB Right	16.10	/	/	14.41	/	/	<=34.77	Pass
		Outer Full	16.78	/	/	15.09	/	/	<=34.77	Pass
		Inner Full	16.86	/	/	15.17	/	/	<=34.77	Pass
		Inner 1RB Left	16.07	/	/	14.38	/	/	<=34.77	Pass
	688	Inner 1RB Right	15.98	/	/	14.29	/	/	<=34.77	Pass
		Edge 1RB Left	16.03	/	/	14.34	/	/	<=34.77	Pass
		Edge 1RB Right	15.95	/	/	14.26	/	/	<=34.77	Pass
		Outer Full	16.55	/	/	14.86	/	/	<=34.77	Pass
		Inner Full	16.67	/	/	14.98	/	/	<=34.77	Pass



Report No.: SUCR260400031710

Page: 14 of 93

		Inner_1RB_Left	15.99	/	/	14.30	/	/	<=34.77	Pass
		Inner_1RB_Right	15.80	/	/	14.11	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant0: 0.46dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 15_S_20M

5G NR n71 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	680.5	Outer_Full	20	LV	-12.60	-0.0185	>=-2.5 & <=2.5	Pass
				HV	-12.60	-0.0185	>=-2.5 & <=2.5	Pass
			-30	NV	-11.10	-0.0163	>=-2.5 & <=2.5	Pass
			-20	NV	-12.40	-0.0182	>=-2.5 & <=2.5	Pass
			-10	NV	-11.00	-0.0162	>=-2.5 & <=2.5	Pass
			0	NV	-10.10	-0.0148	>=-2.5 & <=2.5	Pass
			10	NV	-11.90	-0.0175	>=-2.5 & <=2.5	Pass
			20	NV	-9.70	-0.0143	>=-2.5 & <=2.5	Pass
			30	NV	-12.30	-0.0181	>=-2.5 & <=2.5	Pass
			40	NV	-12.90	-0.0190	>=-2.5 & <=2.5	Pass
			50	NV	-13.00	-0.0191	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15_S_5M_NTNV

5G NR n71 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	680.5	Outer_Full	4.50	5.09	/	Pass
DFT-s-OFDM QPSK	680.5	Outer_Full	4.51	5.17	/	Pass
DFT-s-OFDM 16 QAM	680.5	Outer_Full	4.51	5.19	/	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	4.51	5.14	/	Pass
DFT-s-OFDM 256 QAM	680.5	Outer_Full	4.50	5.16	/	Pass
CP-OFDM QPSK	680.5	Outer_Full	4.51	5.20	/	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	4.57	5.24	/	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	4.52	5.23	/	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	4.53	5.32	/	Pass



3.1.2 15_S_10M_NTNV

5G NR n71 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	680.5	Outer_Full	8.89	9.58	/	Pass
DFT-s-OFDM QPSK	680.5	Outer_Full	8.92	9.65	/	Pass
DFT-s-OFDM 16 QAM	680.5	Outer_Full	8.95	9.62	/	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	8.94	9.63	/	Pass
DFT-s-OFDM 256 QAM	680.5	Outer_Full	8.92	9.71	/	Pass
CP-OFDM QPSK	680.5	Outer_Full	9.28	10.08	/	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	9.28	10.18	/	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	9.29	10.05	/	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	9.31	10.09	/	Pass

3.1.3 15_S_15M_NTNV

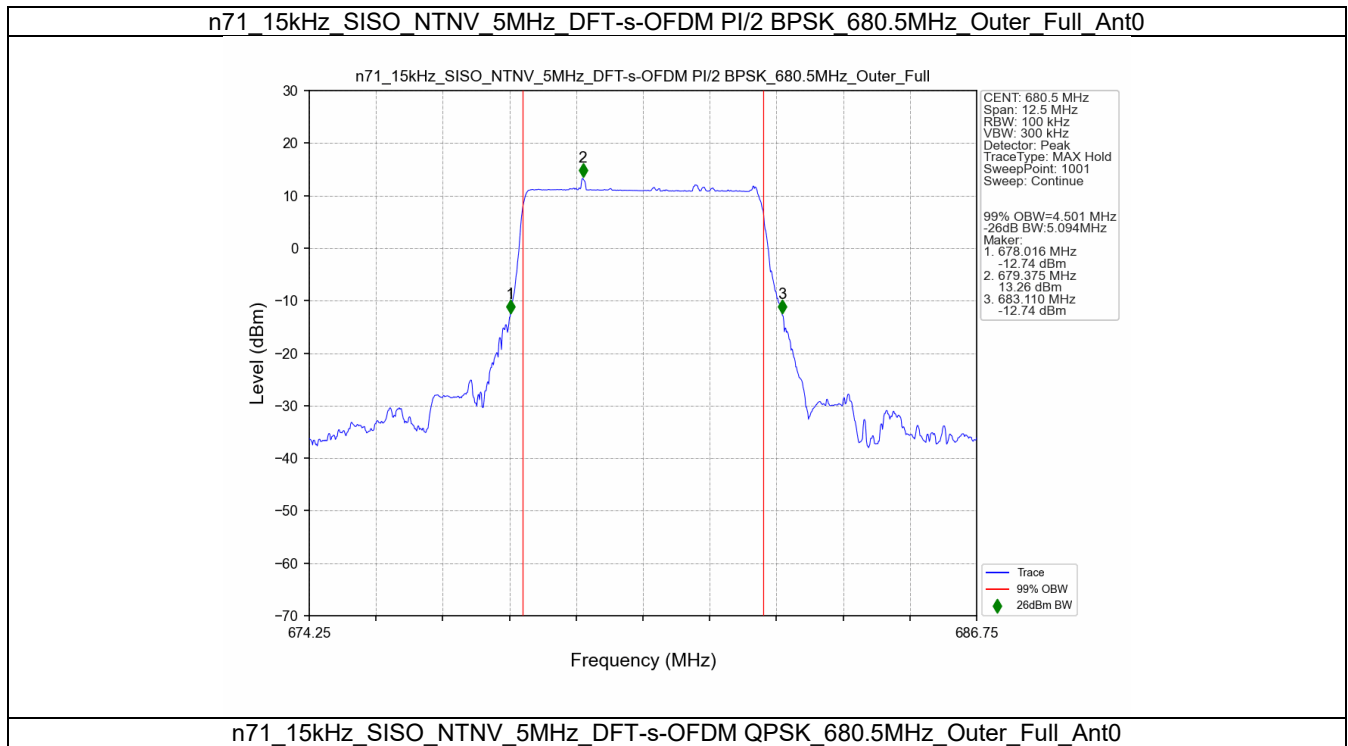
5G NR n71 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	680.5	Outer_Full	13.46	14.50	/	Pass
DFT-s-OFDM QPSK	680.5	Outer_Full	13.43	14.42	/	Pass
DFT-s-OFDM 16 QAM	680.5	Outer_Full	13.47	14.44	/	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	13.43	14.38	/	Pass
DFT-s-OFDM 256 QAM	680.5	Outer_Full	13.47	14.44	/	Pass
CP-OFDM QPSK	680.5	Outer_Full	14.10	15.10	/	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	14.12	15.11	/	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	14.17	15.18	/	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	14.13	15.13	/	Pass

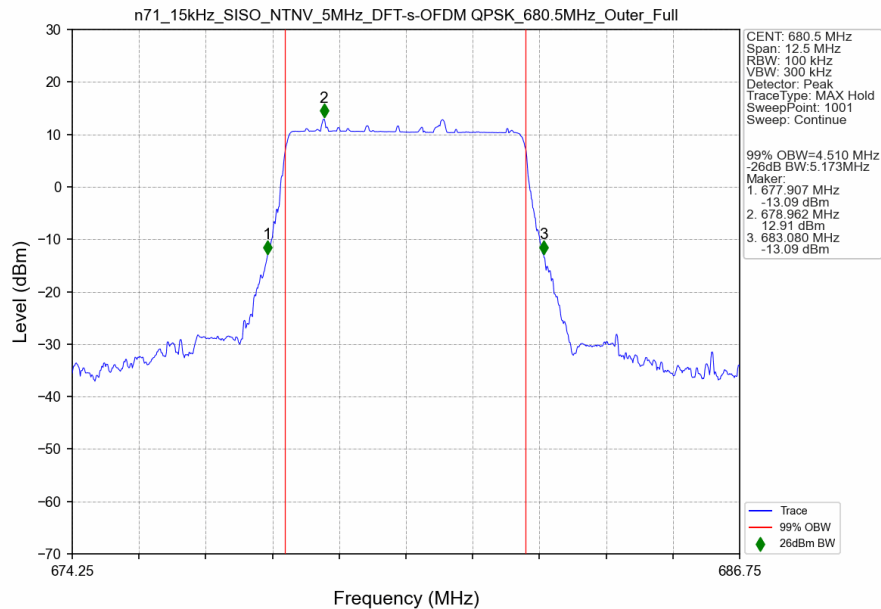
3.1.4 15_S_20M_NTNV

5G NR n71 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	680.5	Outer_Full	17.87	18.78	/	Pass
DFT-s-OFDM QPSK	680.5	Outer_Full	17.87	18.93	/	Pass
DFT-s-OFDM 16 QAM	680.5	Outer_Full	17.89	18.84	/	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	17.90	19.02	/	Pass
DFT-s-OFDM 256 QAM	680.5	Outer_Full	17.87	18.82	/	Pass
CP-OFDM QPSK	680.5	Outer_Full	18.91	19.98	/	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	18.91	20.00	/	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	18.92	19.95	/	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	19.02	19.98	/	Pass

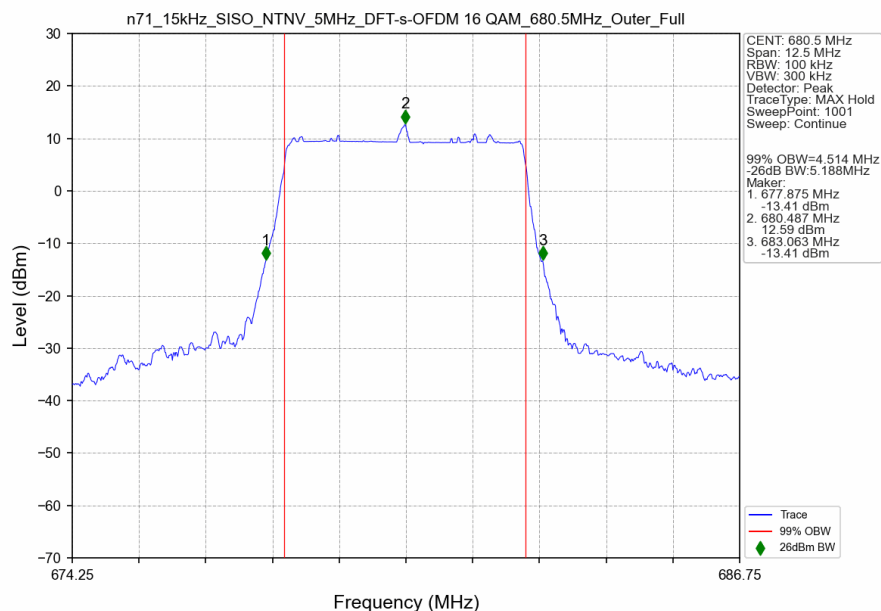
3.2 Test Graph

3.2.1 15_S_5M_NTNV

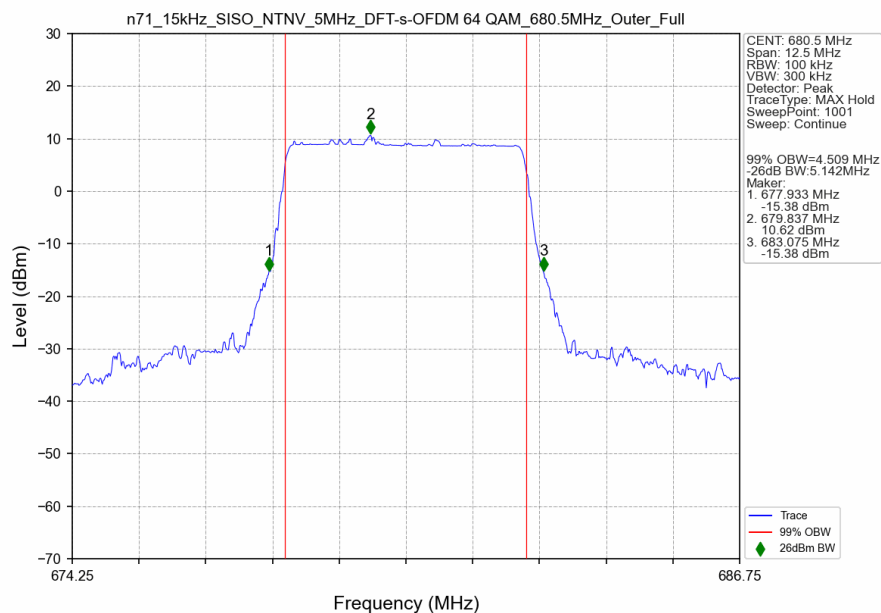




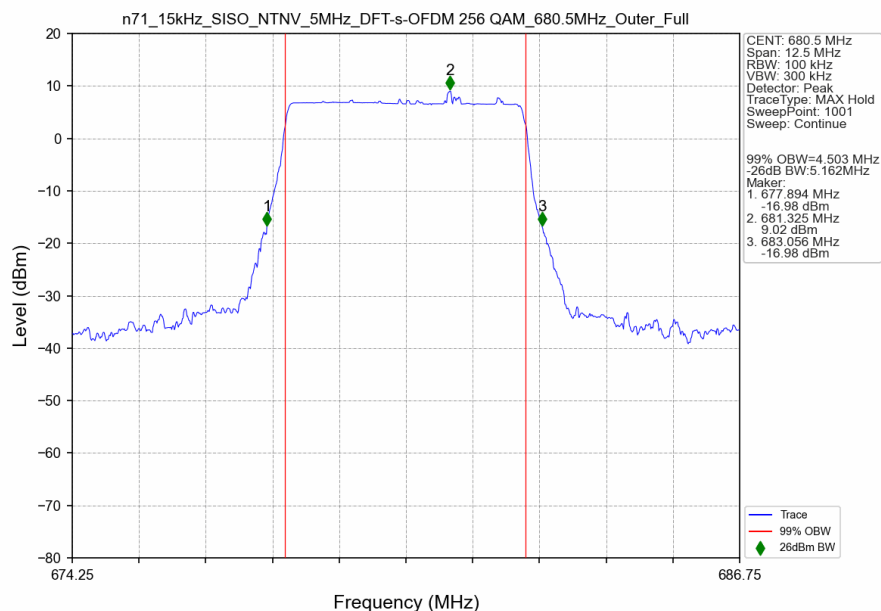
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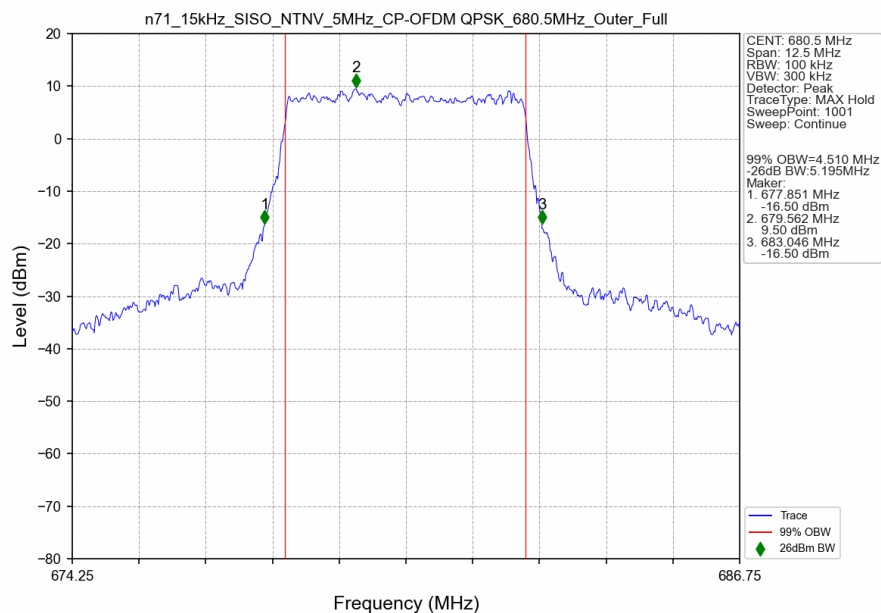
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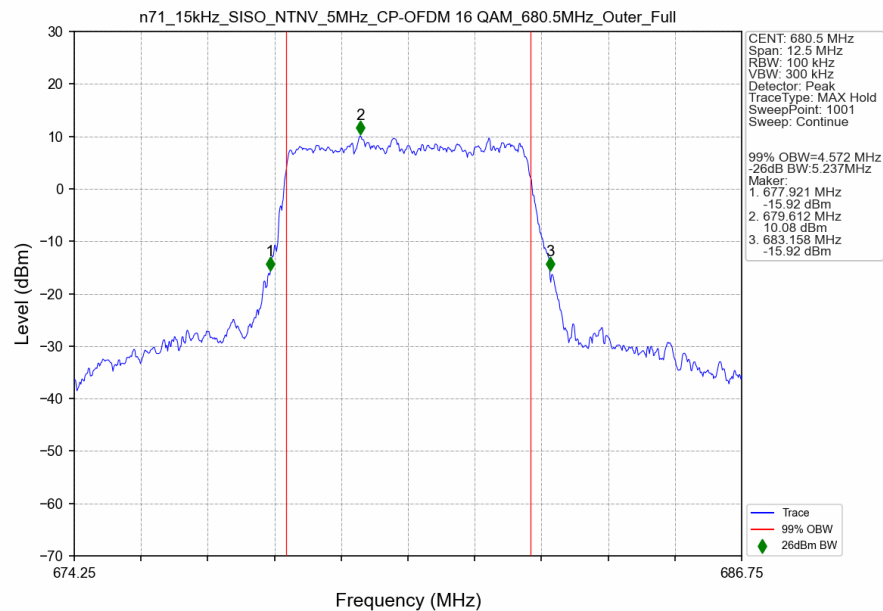
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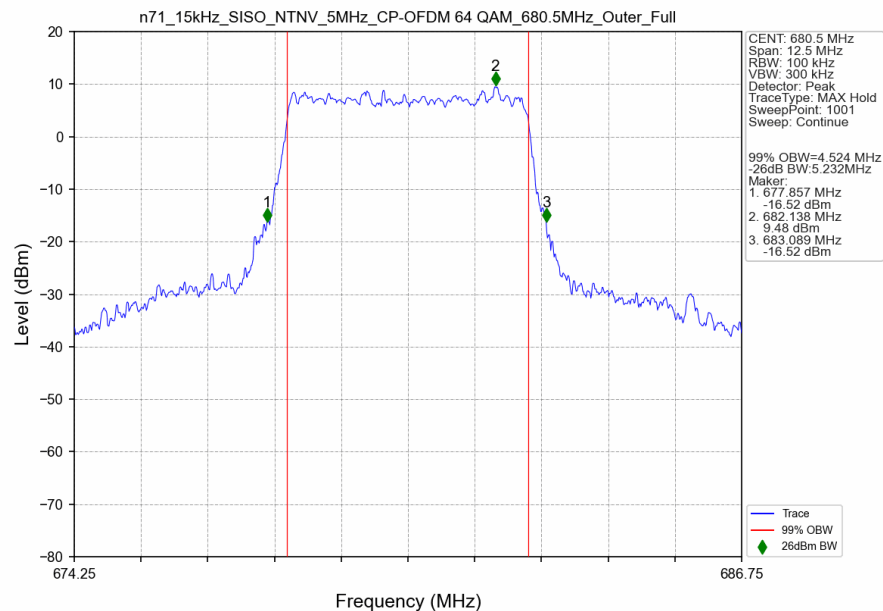
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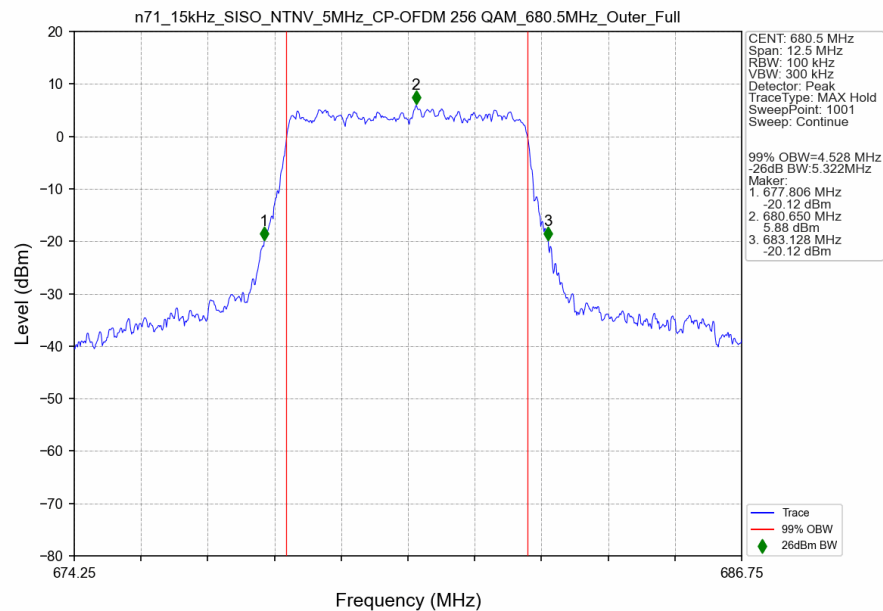
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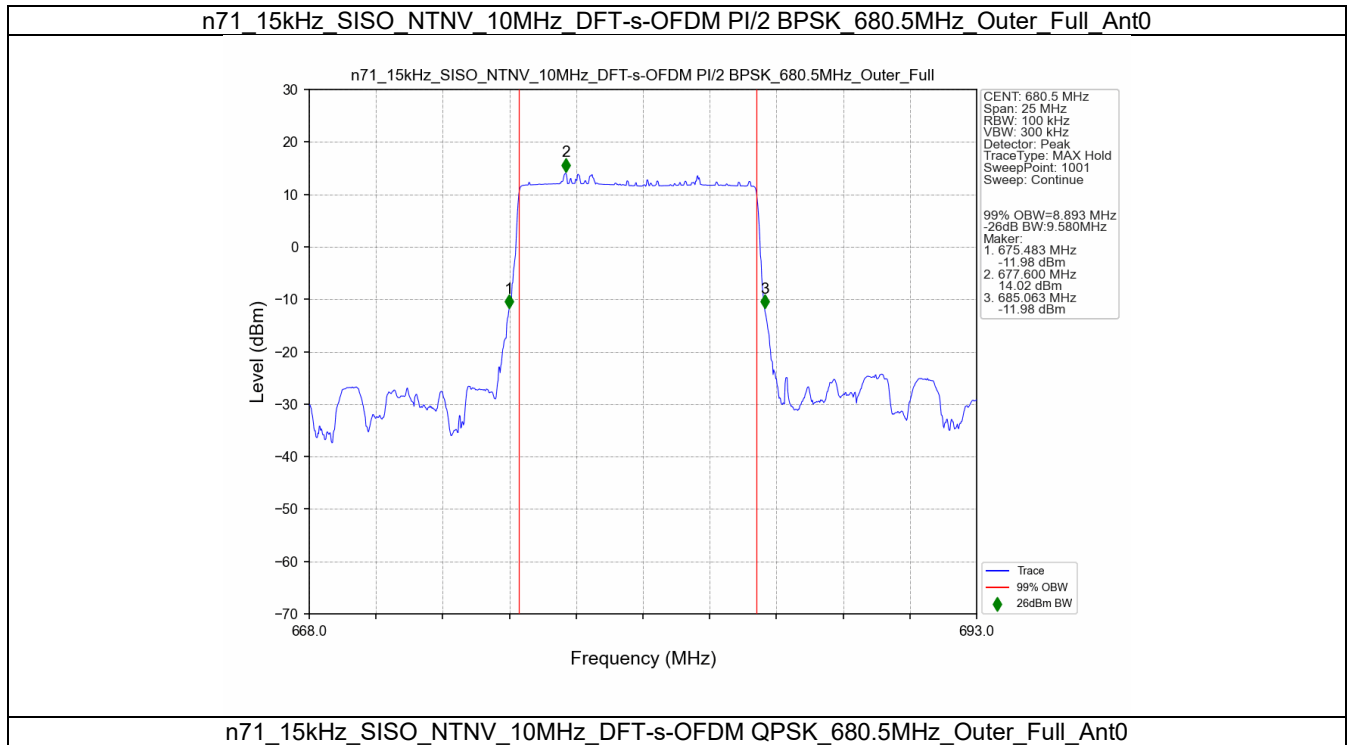
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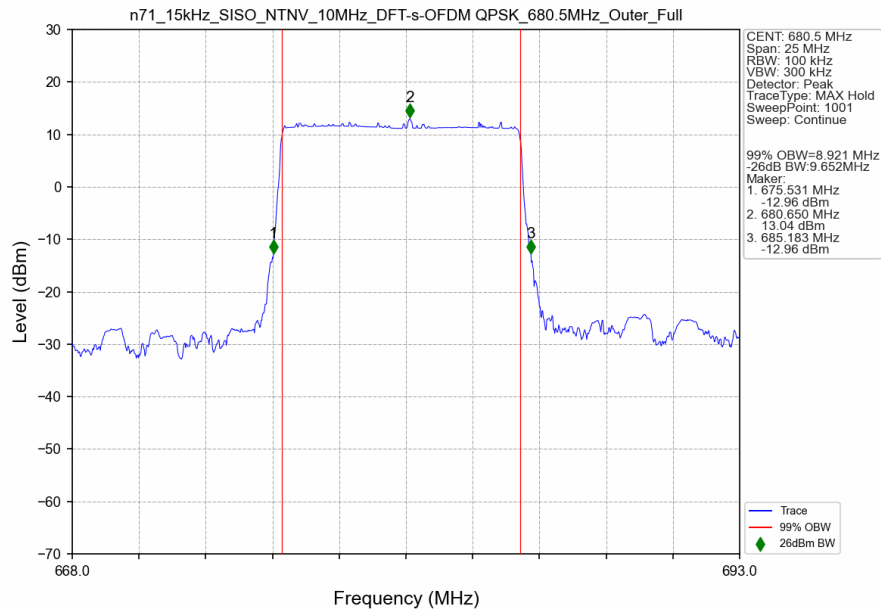


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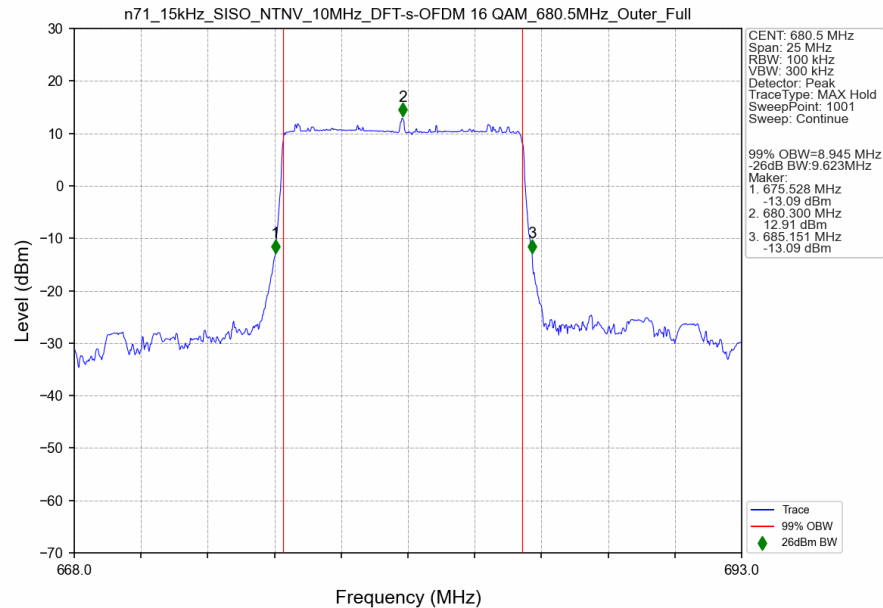


3.2.2 15_S_10M_NTNV

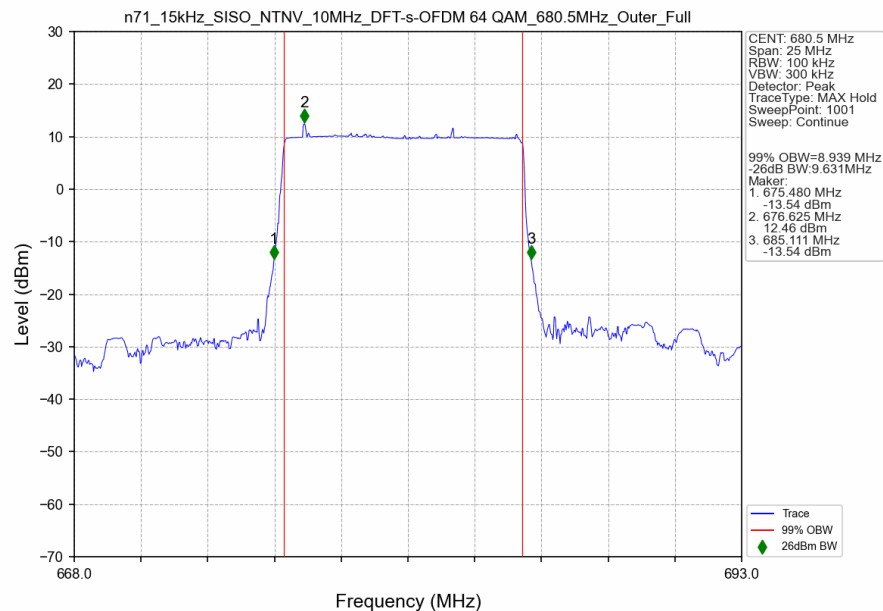




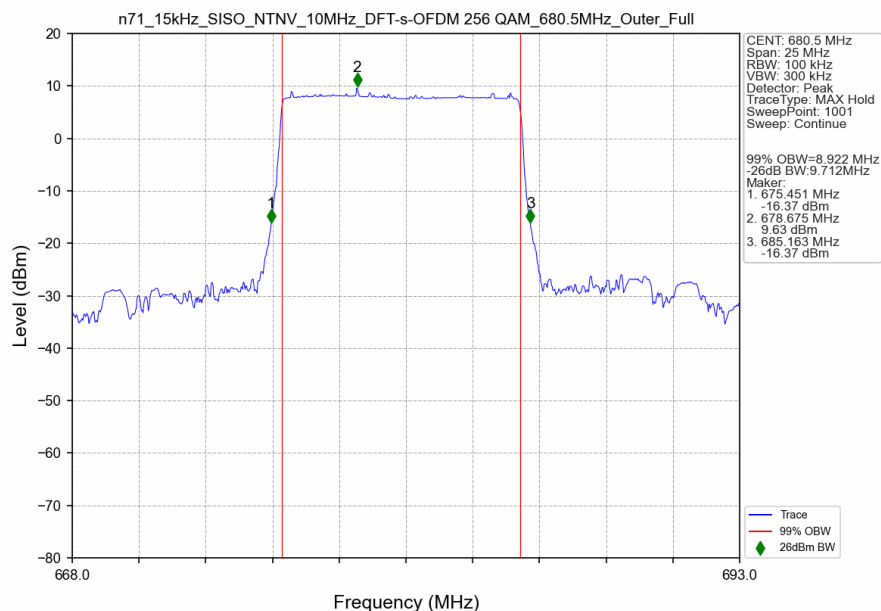
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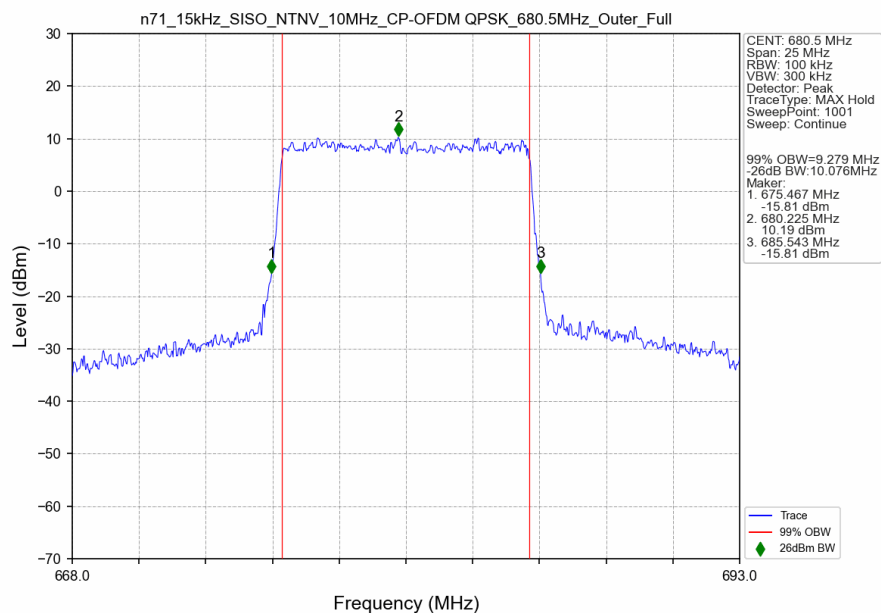
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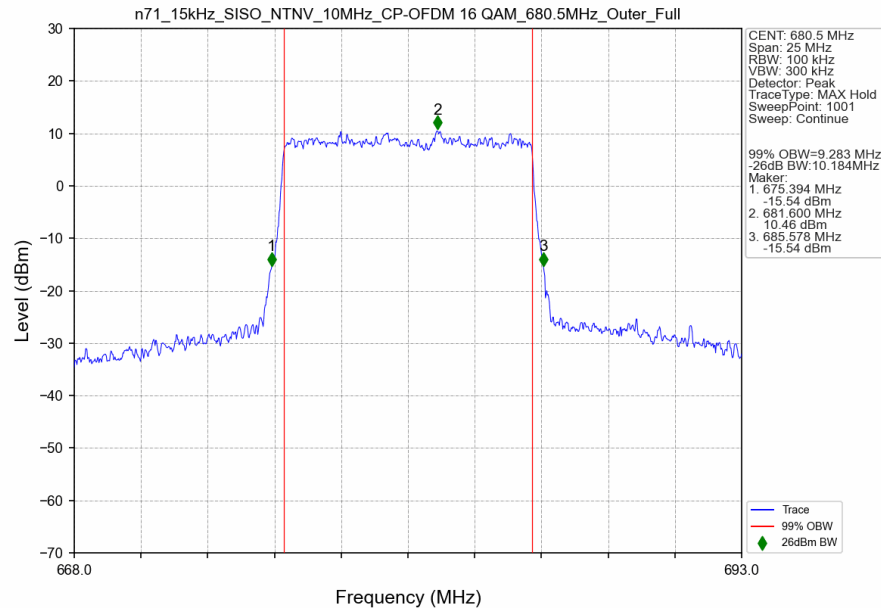
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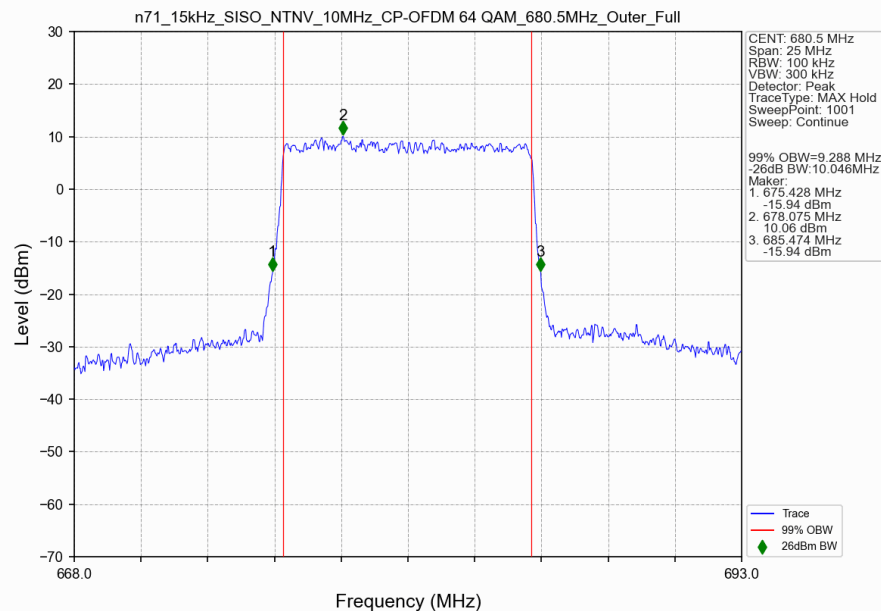
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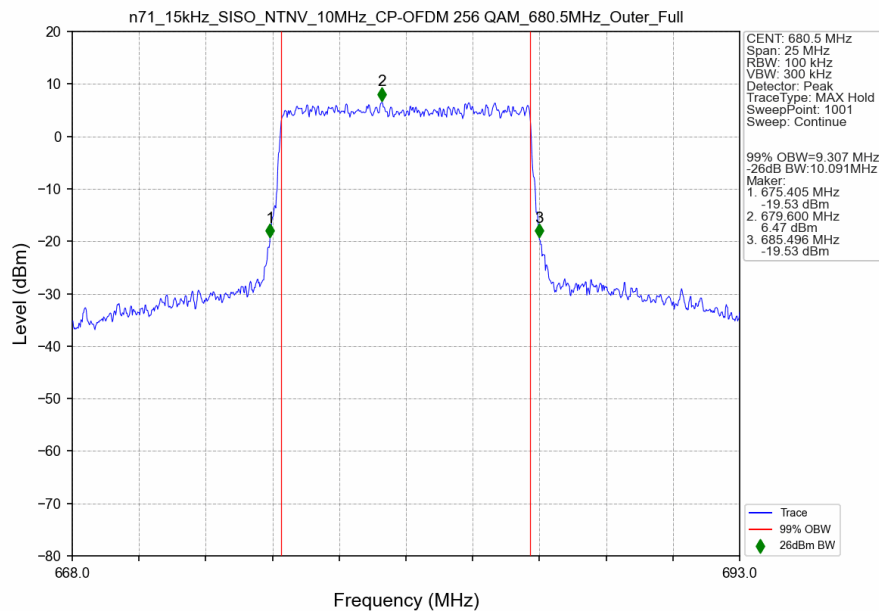
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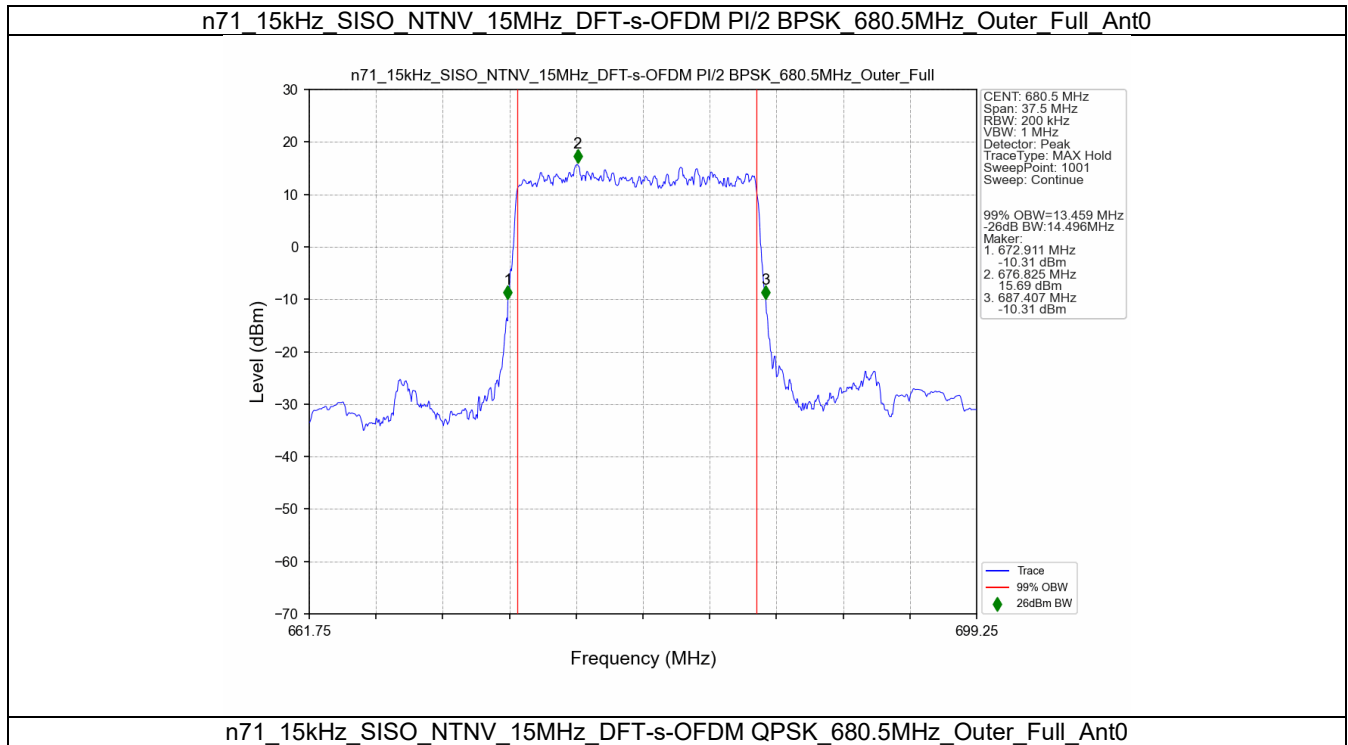
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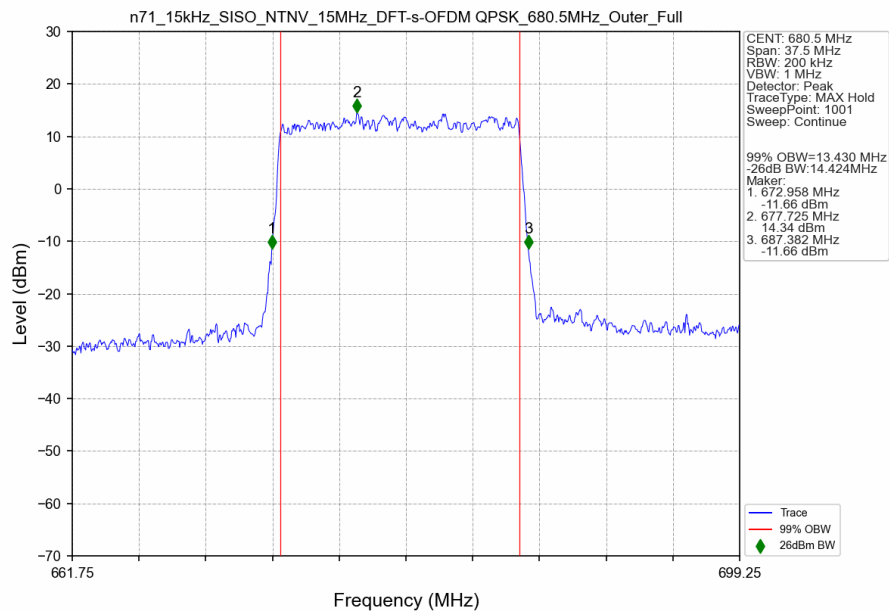


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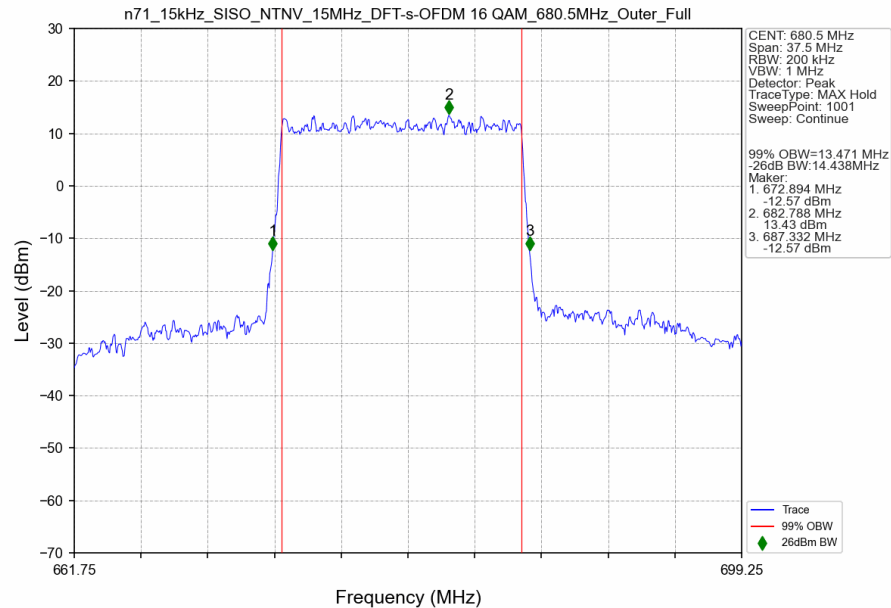


3.2.3 15_S_15M_NTNV

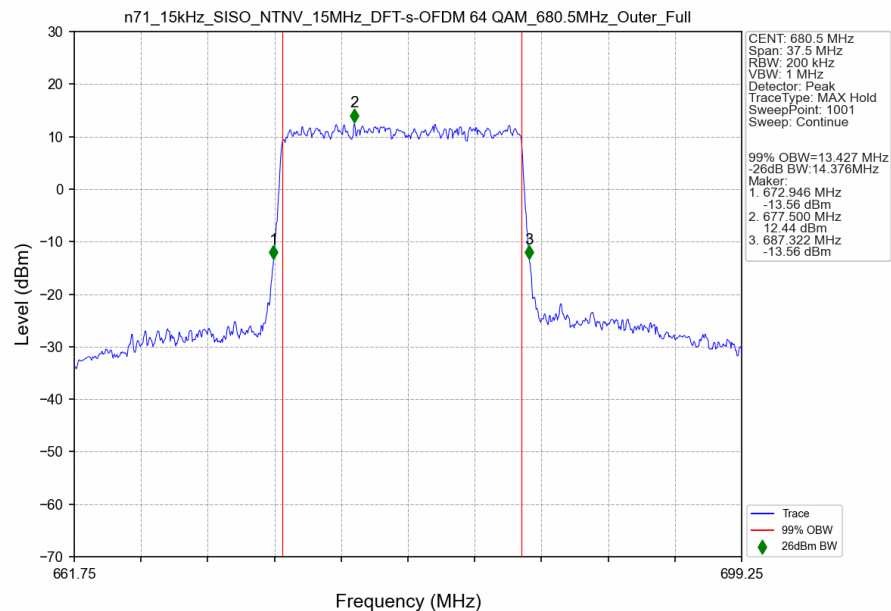




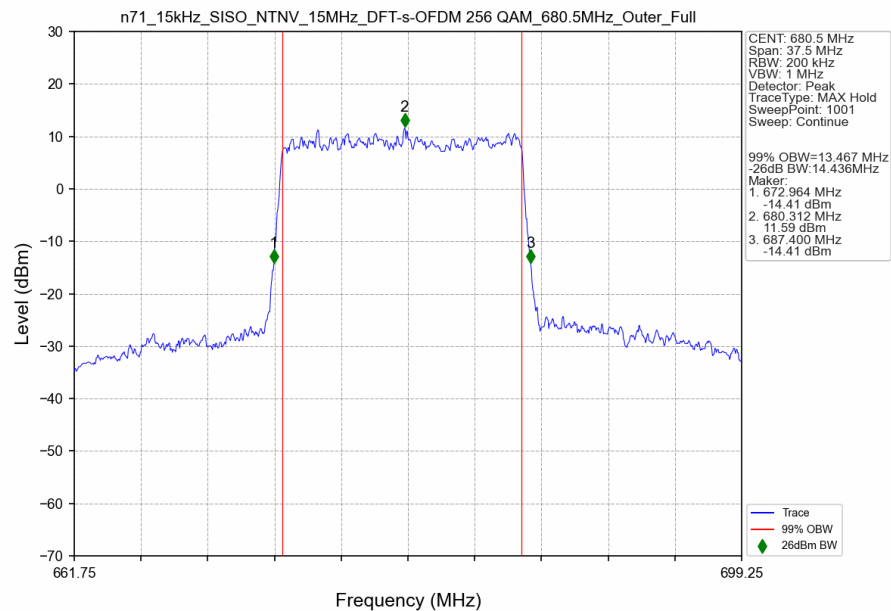
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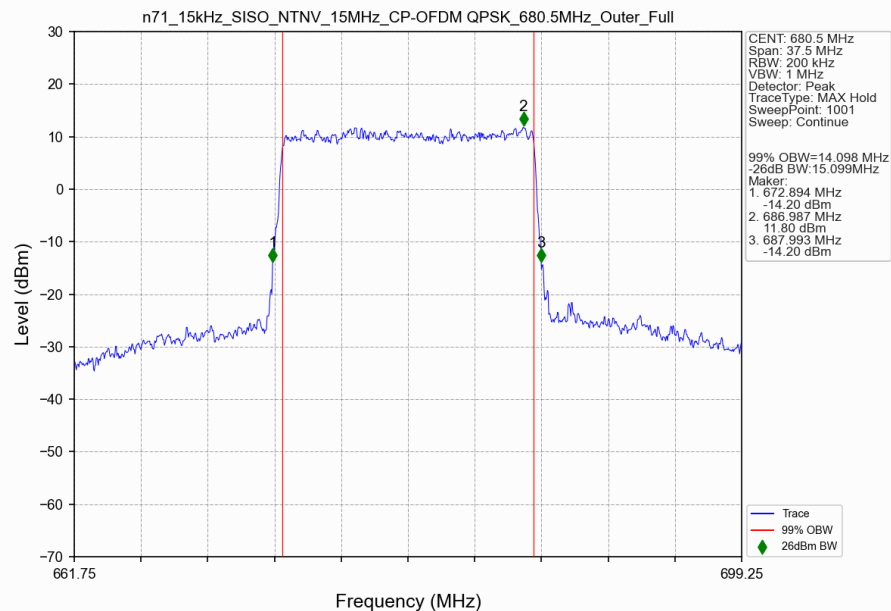
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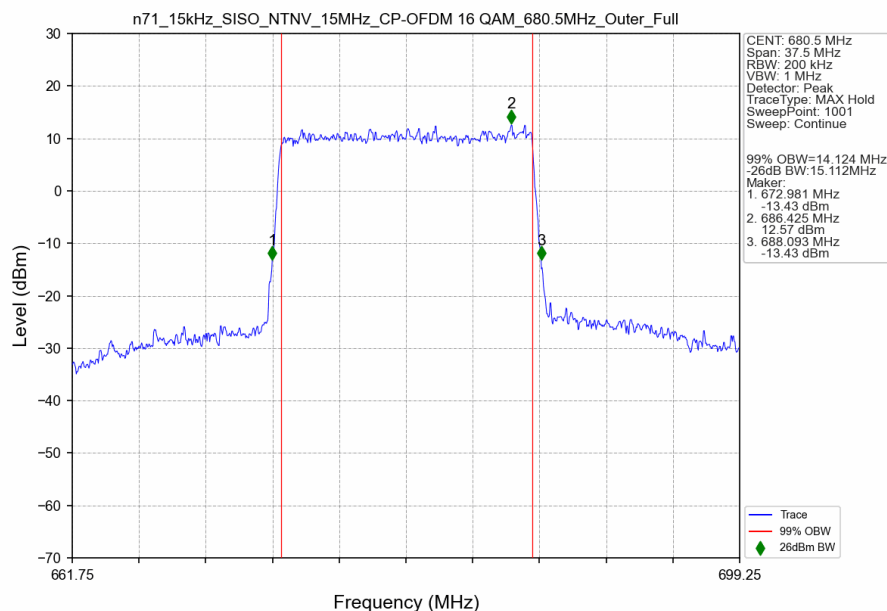
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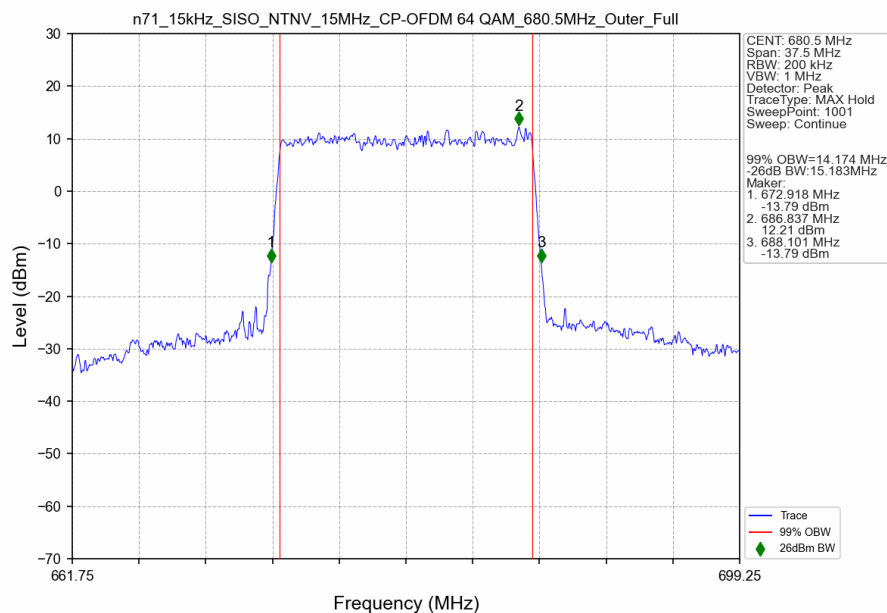
n71_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_680.5MHz_Outer_Full_Ant0



n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_680.5MHz_Outer_Full_Ant0



n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_680.5MHz_Outer_Full_Ant0



n71_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_680.5MHz_Outer_Full_Ant0

