

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30_S_20M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant0	Sum	Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Edge 1RB Left	22.20	/	/	25.20	/	/	<=30	Pass
		Edge 1RB Right	22.33	/	/	25.33	/	/	<=30	Pass
		Outer Full	25.31	/	/	28.31	/	/	<=30	Pass
		Inner Full	25.83	/	/	28.83	/	/	<=30	Pass
		Inner 1RB Left	25.74	/	/	28.74	/	/	<=30	Pass
		Inner 1RB Right	25.81	/	/	28.81	/	/	<=30	Pass
	3840	Edge 1RB Left	22.40	/	/	25.40	/	/	<=30	Pass
		Edge 1RB Right	22.30	/	/	25.30	/	/	<=30	Pass
		Outer Full	25.39	/	/	28.39	/	/	<=30	Pass
		Inner Full	25.93	/	/	28.93	/	/	<=30	Pass
		Inner 1RB Left	25.88	/	/	28.88	/	/	<=30	Pass
		Inner 1RB Right	25.81	/	/	28.81	/	/	<=30	Pass
	3969.99	Edge 1RB Left	21.91	/	/	24.91	/	/	<=30	Pass
		Edge 1RB Right	21.94	/	/	24.94	/	/	<=30	Pass
		Outer Full	24.94	/	/	27.94	/	/	<=30	Pass
		Inner Full	25.43	/	/	28.43	/	/	<=30	Pass
		Inner 1RB Left	25.46	/	/	28.46	/	/	<=30	Pass
		Inner 1RB Right	25.47	/	/	28.47	/	/	<=30	Pass
DFT-s-OFDM QPSK	3710.01	Edge 1RB Left	22.18	/	/	25.18	/	/	<=30	Pass
		Edge 1RB Right	22.31	/	/	25.31	/	/	<=30	Pass
		Outer Full	24.80	/	/	27.80	/	/	<=30	Pass
		Inner Full	25.80	/	/	28.80	/	/	<=30	Pass
		Inner 1RB Left	25.65	/	/	28.65	/	/	<=30	Pass
		Inner 1RB Right	25.78	/	/	28.78	/	/	<=30	Pass
	3840	Edge 1RB Left	22.37	/	/	25.37	/	/	<=30	Pass
		Edge 1RB Right	22.22	/	/	25.22	/	/	<=30	Pass
		Outer Full	24.94	/	/	27.94	/	/	<=30	Pass
		Inner Full	25.92	/	/	28.92	/	/	<=30	Pass
		Inner 1RB Left	25.90	/	/	28.90	/	/	<=30	Pass
		Inner 1RB Right	25.77	/	/	28.77	/	/	<=30	Pass
	3969.99	Edge 1RB Left	21.90	/	/	24.90	/	/	<=30	Pass
		Edge 1RB Right	21.91	/	/	24.91	/	/	<=30	Pass
		Outer Full	24.48	/	/	27.48	/	/	<=30	Pass
		Inner Full	25.47	/	/	28.47	/	/	<=30	Pass
		Inner 1RB Left	25.39	/	/	28.39	/	/	<=30	Pass
		Inner 1RB Right	25.48	/	/	28.48	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge 1RB Left	22.34	/	/	25.34	/	/	<=30	Pass
		Edge 1RB Right	22.18	/	/	25.18	/	/	<=30	Pass
		Outer Full	23.86	/	/	26.86	/	/	<=30	Pass
		Inner Full	24.82	/	/	27.82	/	/	<=30	Pass
		Inner 1RB Left	24.70	/	/	27.70	/	/	<=30	Pass
		Inner 1RB Right	24.78	/	/	27.78	/	/	<=30	Pass
	3840	Edge 1RB Left	22.29	/	/	25.29	/	/	<=30	Pass
		Edge 1RB Right	22.17	/	/	25.17	/	/	<=30	Pass
		Outer Full	23.88	/	/	26.88	/	/	<=30	Pass
		Inner Full	24.91	/	/	27.91	/	/	<=30	Pass

	3969.99	Inner_1RB_Left	24.75	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Right	24.67	/	/	27.67	/	/	<=30	Pass
		Edge_1RB_Left	21.68	/	/	24.68	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	24.75	/	/	<=30	Pass
		Outer_Full	23.46	/	/	26.46	/	/	<=30	Pass
		Inner_Full	24.48	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Left	24.26	/	/	27.26	/	/	<=30	Pass
		Inner_1RB_Right	24.30	/	/	27.30	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge_1RB_Left	22.28	/	/	25.28	/	/	<=30	Pass
		Edge_1RB_Right	22.36	/	/	25.36	/	/	<=30	Pass
		Outer_Full	23.31	/	/	26.31	/	/	<=30	Pass
		Inner_Full	23.36	/	/	26.36	/	/	<=30	Pass
		Inner_1RB_Left	23.33	/	/	26.33	/	/	<=30	Pass
		Inner_1RB_Right	23.40	/	/	26.40	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.44	/	/	25.44	/	/	<=30	Pass
		Edge_1RB_Right	22.36	/	/	25.36	/	/	<=30	Pass
		Outer_Full	23.35	/	/	26.35	/	/	<=30	Pass
		Inner_Full	23.35	/	/	26.35	/	/	<=30	Pass
		Inner_1RB_Left	23.36	/	/	26.36	/	/	<=30	Pass
		Inner_1RB_Right	23.29	/	/	26.29	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.80	/	/	24.80	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	24.86	/	/	<=30	Pass
		Outer_Full	22.90	/	/	25.90	/	/	<=30	Pass
		Inner_Full	22.88	/	/	25.88	/	/	<=30	Pass
		Inner_1RB_Left	22.77	/	/	25.77	/	/	<=30	Pass
		Inner_1RB_Right	22.92	/	/	25.92	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge_1RB_Left	21.24	/	/	24.24	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	24.30	/	/	<=30	Pass
		Outer_Full	21.26	/	/	24.26	/	/	<=30	Pass
		Inner_Full	21.32	/	/	24.32	/	/	<=30	Pass
		Inner_1RB_Left	21.22	/	/	24.22	/	/	<=30	Pass
		Inner_1RB_Right	21.30	/	/	24.30	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.43	/	/	24.43	/	/	<=30	Pass
		Edge_1RB_Right	21.28	/	/	24.28	/	/	<=30	Pass
		Outer_Full	21.43	/	/	24.43	/	/	<=30	Pass
		Inner_Full	21.42	/	/	24.42	/	/	<=30	Pass
		Inner_1RB_Left	21.44	/	/	24.44	/	/	<=30	Pass
		Inner_1RB_Right	21.32	/	/	24.32	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	20.94	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	20.93	/	/	23.93	/	/	<=30	Pass
		Outer_Full	20.91	/	/	23.91	/	/	<=30	Pass
		Inner_Full	21.00	/	/	24.00	/	/	<=30	Pass
		Inner_1RB_Left	20.87	/	/	23.87	/	/	<=30	Pass
		Inner_1RB_Right	20.98	/	/	23.98	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge_1RB_Left	22.25	/	/	25.25	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	25.38	/	/	<=30	Pass
		Outer_Full	22.80	/	/	25.80	/	/	<=30	Pass
		Inner_Full	24.33	/	/	27.33	/	/	<=30	Pass
		Inner_1RB_Left	24.32	/	/	27.32	/	/	<=30	Pass
		Inner_1RB_Right	24.40	/	/	27.40	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.49	/	/	25.49	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	25.35	/	/	<=30	Pass
		Outer_Full	22.92	/	/	25.92	/	/	<=30	Pass
		Inner_Full	24.40	/	/	27.40	/	/	<=30	Pass
		Inner_1RB_Left	24.39	/	/	27.39	/	/	<=30	Pass
		Inner_1RB_Right	24.39	/	/	27.39	/	/	<=30	Pass

	3969.99	Edge_1RB_Left	21.82	/	/	24.82	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	24.96	/	/	<=30	Pass
		Outer_Full	22.45	/	/	25.45	/	/	<=30	Pass
		Inner_Full	23.97	/	/	26.97	/	/	<=30	Pass
		Inner_1RB_Left	23.85	/	/	26.85	/	/	<=30	Pass
		Inner_1RB_Right	23.88	/	/	26.88	/	/	<=30	Pass
CP-OFDM 16 QAM	3710.01	Edge_1RB_Left	22.06	/	/	25.06	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	25.23	/	/	<=30	Pass
		Outer_Full	22.80	/	/	25.80	/	/	<=30	Pass
		Inner_Full	23.88	/	/	26.88	/	/	<=30	Pass
		Inner_1RB_Left	23.58	/	/	26.58	/	/	<=30	Pass
		Inner_1RB_Right	23.69	/	/	26.69	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.34	/	/	25.34	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	25.35	/	/	<=30	Pass
		Outer_Full	22.88	/	/	25.88	/	/	<=30	Pass
		Inner_Full	23.89	/	/	26.89	/	/	<=30	Pass
		Inner_1RB_Left	23.75	/	/	26.75	/	/	<=30	Pass
		Inner_1RB_Right	23.77	/	/	26.77	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.71	/	/	24.71	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	24.80	/	/	<=30	Pass
		Outer_Full	22.41	/	/	25.41	/	/	<=30	Pass
		Inner_Full	23.46	/	/	26.46	/	/	<=30	Pass
		Inner_1RB_Left	23.30	/	/	26.30	/	/	<=30	Pass
		Inner_1RB_Right	23.20	/	/	26.20	/	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	22.22	/	/	25.22	/	/	<=30	Pass
		Edge_1RB_Right	22.39	/	/	25.39	/	/	<=30	Pass
		Outer_Full	22.34	/	/	25.34	/	/	<=30	Pass
		Inner_Full	22.30	/	/	25.30	/	/	<=30	Pass
		Inner_1RB_Left	22.18	/	/	25.18	/	/	<=30	Pass
		Inner_1RB_Right	22.25	/	/	25.25	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.47	/	/	25.47	/	/	<=30	Pass
		Edge_1RB_Right	22.42	/	/	25.42	/	/	<=30	Pass
		Outer_Full	22.38	/	/	25.38	/	/	<=30	Pass
		Inner_Full	22.39	/	/	25.39	/	/	<=30	Pass
		Inner_1RB_Left	22.36	/	/	25.36	/	/	<=30	Pass
		Inner_1RB_Right	22.45	/	/	25.45	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.84	/	/	24.84	/	/	<=30	Pass
		Edge_1RB_Right	21.90	/	/	24.90	/	/	<=30	Pass
		Outer_Full	21.96	/	/	24.96	/	/	<=30	Pass
		Inner_Full	22.02	/	/	25.02	/	/	<=30	Pass
		Inner_1RB_Left	21.92	/	/	24.92	/	/	<=30	Pass
		Inner_1RB_Right	21.89	/	/	24.89	/	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Left	19.15	/	/	22.15	/	/	<=30	Pass
		Edge_1RB_Right	19.32	/	/	22.32	/	/	<=30	Pass
		Outer_Full	19.32	/	/	22.32	/	/	<=30	Pass
		Inner_Full	19.36	/	/	22.36	/	/	<=30	Pass
		Inner_1RB_Left	19.25	/	/	22.25	/	/	<=30	Pass
		Inner_1RB_Right	19.32	/	/	22.32	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.40	/	/	22.40	/	/	<=30	Pass
		Edge_1RB_Right	19.37	/	/	22.37	/	/	<=30	Pass
		Outer_Full	19.38	/	/	22.38	/	/	<=30	Pass
		Inner_Full	19.48	/	/	22.48	/	/	<=30	Pass
		Inner_1RB_Left	19.43	/	/	22.43	/	/	<=30	Pass
		Inner_1RB_Right	19.34	/	/	22.34	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	18.83	/	/	21.83	/	/	<=30	Pass
		Edge_1RB_Right	18.96	/	/	21.96	/	/	<=30	Pass

		Outer_Full	18.93	/	/	21.93	/	/	<=30	Pass
		Inner_Full	19.03	/	/	22.03	/	/	<=30	Pass
		Inner_1RB_Left	18.87	/	/	21.87	/	/	<=30	Pass
		Inner_1RB_Right	18.99	/	/	21.99	/	/	<=30	Pass
Note1: Antenna Gain: Ant2: 3.00dBi; Ant0: 3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 30_S_30M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant0	Sum	Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.02	Edge_1RB_Left	22.20	/	/	25.20	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.13	/	/	<=30	Pass
		Outer_Full	25.32	/	/	28.32	/	/	<=30	Pass
		Inner_Full	25.83	/	/	28.83	/	/	<=30	Pass
		Inner_1RB_Left	25.72	/	/	28.72	/	/	<=30	Pass
		Inner_1RB_Right	25.70	/	/	28.70	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.48	/	/	25.48	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	25.26	/	/	<=30	Pass
		Outer_Full	25.51	/	/	28.51	/	/	<=30	Pass
		Inner_Full	25.99	/	/	28.99	/	/	<=30	Pass
		Inner_1RB_Left	25.99	/	/	28.99	/	/	<=30	Pass
		Inner_1RB_Right	25.87	/	/	28.87	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.05	/	/	25.05	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	25.08	/	/	<=30	Pass
		Outer_Full	25.11	/	/	28.11	/	/	<=30	Pass
		Inner_Full	25.47	/	/	28.47	/	/	<=30	Pass
		Inner_1RB_Left	25.57	/	/	28.57	/	/	<=30	Pass
		Inner_1RB_Right	25.64	/	/	28.64	/	/	<=30	Pass
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Left	22.15	/	/	25.15	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	25.17	/	/	<=30	Pass
		Outer_Full	24.85	/	/	27.85	/	/	<=30	Pass
		Inner_Full	25.85	/	/	28.85	/	/	<=30	Pass
		Inner_1RB_Left	25.67	/	/	28.67	/	/	<=30	Pass
		Inner_1RB_Right	25.72	/	/	28.72	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.41	/	/	25.41	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	25.19	/	/	<=30	Pass
		Outer_Full	24.99	/	/	27.99	/	/	<=30	Pass
		Inner_Full	26.01	/	/	29.01	/	/	<=30	Pass
		Inner_1RB_Left	25.95	/	/	28.95	/	/	<=30	Pass
		Inner_1RB_Right	25.81	/	/	28.81	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.04	/	/	25.04	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	24.95	/	/	<=30	Pass
		Outer_Full	24.61	/	/	27.61	/	/	<=30	Pass
		Inner_Full	25.50	/	/	28.50	/	/	<=30	Pass
		Inner_1RB_Left	25.51	/	/	28.51	/	/	<=30	Pass
		Inner_1RB_Right	25.64	/	/	28.64	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.02	Edge_1RB_Left	22.04	/	/	25.04	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	25.06	/	/	<=30	Pass
		Outer_Full	23.87	/	/	26.87	/	/	<=30	Pass
		Inner_Full	24.86	/	/	27.86	/	/	<=30	Pass
		Inner_1RB_Left	24.57	/	/	27.57	/	/	<=30	Pass
		Inner_1RB_Right	24.53	/	/	27.53	/	/	<=30	Pass

	3840	Edge_1RB_Left	22.29	/	/	25.29	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.13	/	/	<=30	Pass
		Outer_Full	24.03	/	/	27.03	/	/	<=30	Pass
		Inner_Full	25.01	/	/	28.01	/	/	<=30	Pass
		Inner_1RB_Left	24.80	/	/	27.80	/	/	<=30	Pass
		Inner_1RB_Right	24.63	/	/	27.63	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.05	/	/	25.05	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	24.92	/	/	<=30	Pass
		Outer_Full	23.67	/	/	26.67	/	/	<=30	Pass
		Inner_Full	24.50	/	/	27.50	/	/	<=30	Pass
		Inner_1RB_Left	24.44	/	/	27.44	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.02	Inner_1RB_Right	24.45	/	/	27.45	/	/	<=30	Pass
		Edge_1RB_Left	22.31	/	/	25.31	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	25.25	/	/	<=30	Pass
		Outer_Full	23.40	/	/	26.40	/	/	<=30	Pass
		Inner_Full	23.43	/	/	26.43	/	/	<=30	Pass
		Inner_1RB_Left	23.27	/	/	26.27	/	/	<=30	Pass
	3840	Inner_1RB_Right	23.21	/	/	26.21	/	/	<=30	Pass
		Edge_1RB_Left	22.50	/	/	25.50	/	/	<=30	Pass
		Edge_1RB_Right	22.29	/	/	25.29	/	/	<=30	Pass
		Outer_Full	23.53	/	/	26.53	/	/	<=30	Pass
		Inner_Full	23.52	/	/	26.52	/	/	<=30	Pass
		Inner_1RB_Left	23.51	/	/	26.51	/	/	<=30	Pass
	3964.98	Inner_1RB_Right	23.29	/	/	26.29	/	/	<=30	Pass
		Edge_1RB_Left	22.02	/	/	25.02	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	25.08	/	/	<=30	Pass
		Outer_Full	23.15	/	/	26.15	/	/	<=30	Pass
		Inner_Full	23.07	/	/	26.07	/	/	<=30	Pass
		Inner_1RB_Left	22.99	/	/	25.99	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Inner_1RB_Right	23.14	/	/	26.14	/	/	<=30	Pass
		Edge_1RB_Left	21.24	/	/	24.24	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	24.12	/	/	<=30	Pass
		Outer_Full	21.30	/	/	24.30	/	/	<=30	Pass
		Inner_Full	21.31	/	/	24.31	/	/	<=30	Pass
		Inner_1RB_Left	21.20	/	/	24.20	/	/	<=30	Pass
	3840	Inner_1RB_Right	21.19	/	/	24.19	/	/	<=30	Pass
		Edge_1RB_Left	21.45	/	/	24.45	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	24.30	/	/	<=30	Pass
		Outer_Full	21.44	/	/	24.44	/	/	<=30	Pass
		Inner_Full	21.53	/	/	24.53	/	/	<=30	Pass
		Inner_1RB_Left	21.49	/	/	24.49	/	/	<=30	Pass
	3964.98	Inner_1RB_Right	21.32	/	/	24.32	/	/	<=30	Pass
		Edge_1RB_Left	21.13	/	/	24.13	/	/	<=30	Pass
		Edge_1RB_Right	21.15	/	/	24.15	/	/	<=30	Pass
		Outer_Full	21.04	/	/	24.04	/	/	<=30	Pass
		Inner_Full	20.93	/	/	23.93	/	/	<=30	Pass
		Inner_1RB_Left	21.07	/	/	24.07	/	/	<=30	Pass
CP-OFDM QPSK	3715.02	Inner_1RB_Right	21.10	/	/	24.10	/	/	<=30	Pass
		Edge_1RB_Left	22.30	/	/	25.30	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	25.24	/	/	<=30	Pass
		Outer_Full	22.81	/	/	25.81	/	/	<=30	Pass
		Inner_Full	24.36	/	/	27.36	/	/	<=30	Pass
		Inner_1RB_Left	24.30	/	/	27.30	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.22	/	/	27.22	/	/	<=30	Pass
		Edge_1RB_Left	22.49	/	/	25.49	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.27	/	/	<=30	Pass

		Outer_Full	22.99	/	/	25.99	/	/	<=30	Pass
		Inner_Full	24.47	/	/	27.47	/	/	<=30	Pass
		Inner_1RB_Left	24.61	/	/	27.61	/	/	<=30	Pass
		Inner_1RB_Right	24.29	/	/	27.29	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.08	/	/	25.08	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	25.14	/	/	<=30	Pass
		Outer_Full	22.66	/	/	25.66	/	/	<=30	Pass
		Inner_Full	24.13	/	/	27.13	/	/	<=30	Pass
		Inner_1RB_Left	24.17	/	/	27.17	/	/	<=30	Pass
		Inner_1RB_Right	24.19	/	/	27.19	/	/	<=30	Pass
		Edge_1RB_Left	22.13	/	/	25.13	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	25.07	/	/	<=30	Pass
CP-OFDM 16 QAM	3715.02	Outer_Full	22.87	/	/	25.87	/	/	<=30	Pass
		Inner_Full	23.89	/	/	26.89	/	/	<=30	Pass
		Inner_1RB_Left	23.68	/	/	26.68	/	/	<=30	Pass
		Inner_1RB_Right	23.59	/	/	26.59	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.30	/	/	25.30	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	25.14	/	/	<=30	Pass
		Outer_Full	23.00	/	/	26.00	/	/	<=30	Pass
		Inner_Full	24.04	/	/	27.04	/	/	<=30	Pass
		Inner_1RB_Left	23.97	/	/	26.97	/	/	<=30	Pass
		Inner_1RB_Right	23.67	/	/	26.67	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	21.94	/	/	24.94	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	24.97	/	/	<=30	Pass
		Outer_Full	22.54	/	/	25.54	/	/	<=30	Pass
		Inner_Full	23.64	/	/	26.64	/	/	<=30	Pass
		Inner_1RB_Left	23.45	/	/	26.45	/	/	<=30	Pass
		Inner_1RB_Right	23.52	/	/	26.52	/	/	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge_1RB_Left	22.33	/	/	25.33	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	25.26	/	/	<=30	Pass
		Outer_Full	22.37	/	/	25.37	/	/	<=30	Pass
		Inner_Full	22.36	/	/	25.36	/	/	<=30	Pass
		Inner_1RB_Left	22.24	/	/	25.24	/	/	<=30	Pass
		Inner_1RB_Right	22.14	/	/	25.14	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.45	/	/	25.45	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	25.27	/	/	<=30	Pass
		Outer_Full	22.46	/	/	25.46	/	/	<=30	Pass
		Inner_Full	22.51	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Left	22.43	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Right	22.25	/	/	25.25	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.03	/	/	25.03	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	25.12	/	/	<=30	Pass
		Outer_Full	22.16	/	/	25.16	/	/	<=30	Pass
		Inner_Full	22.01	/	/	25.01	/	/	<=30	Pass
		Inner_1RB_Left	22.02	/	/	25.02	/	/	<=30	Pass
		Inner_1RB_Right	22.17	/	/	25.17	/	/	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge_1RB_Left	19.23	/	/	22.23	/	/	<=30	Pass
		Edge_1RB_Right	19.22	/	/	22.22	/	/	<=30	Pass
		Outer_Full	19.41	/	/	22.41	/	/	<=30	Pass
		Inner_Full	19.38	/	/	22.38	/	/	<=30	Pass
		Inner_1RB_Left	19.39	/	/	22.39	/	/	<=30	Pass
		Inner_1RB_Right	19.23	/	/	22.23	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.56	/	/	22.56	/	/	<=30	Pass
		Edge_1RB_Right	19.29	/	/	22.29	/	/	<=30	Pass
		Outer_Full	19.51	/	/	22.51	/	/	<=30	Pass
		Inner_Full	19.44	/	/	22.44	/	/	<=30	Pass

		Inner_1RB_Left	19.58	/	/	22.58	/	/	<=30	Pass
		Inner_1RB_Right	19.33	/	/	22.33	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	19.13	/	/	22.13	/	/	<=30	Pass
		Edge_1RB_Right	19.15	/	/	22.15	/	/	<=30	Pass
		Outer_Full	19.13	/	/	22.13	/	/	<=30	Pass
		Inner_Full	19.11	/	/	22.11	/	/	<=30	Pass
		Inner_1RB_Left	19.15	/	/	22.15	/	/	<=30	Pass
		Inner_1RB_Right	19.14	/	/	22.14	/	/	<=30	Pass
Note1: Antenna Gain: Ant2: 3.00dBi; Ant0: 3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 30_S_40M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant0	Sum	Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3720	Edge_1RB_Left	22.41	/	/	25.41	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	25.07	/	/	<=30	Pass
		Outer_Full	25.36	/	/	28.36	/	/	<=30	Pass
		Inner_Full	25.92	/	/	28.92	/	/	<=30	Pass
		Inner_1RB_Left	25.96	/	/	28.96	/	/	<=30	Pass
		Inner_1RB_Right	25.65	/	/	28.65	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.70	/	/	25.70	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	25.20	/	/	<=30	Pass
		Outer_Full	25.49	/	/	28.49	/	/	<=30	Pass
		Inner_Full	26.04	/	/	29.04	/	/	<=30	Pass
		Inner_1RB_Left	26.21	/	/	29.21	/	/	<=30	Pass
		Inner_1RB_Right	25.72	/	/	28.72	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.21	/	/	25.21	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	25.14	/	/	<=30	Pass
		Outer_Full	25.03	/	/	28.03	/	/	<=30	Pass
		Inner_Full	25.44	/	/	28.44	/	/	<=30	Pass
		Inner_1RB_Left	25.76	/	/	28.76	/	/	<=30	Pass
		Inner_1RB_Right	25.63	/	/	28.63	/	/	<=30	Pass
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	22.43	/	/	25.43	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	25.06	/	/	<=30	Pass
		Outer_Full	24.84	/	/	27.84	/	/	<=30	Pass
		Inner_Full	25.93	/	/	28.93	/	/	<=30	Pass
		Inner_1RB_Left	25.92	/	/	28.92	/	/	<=30	Pass
		Inner_1RB_Right	25.60	/	/	28.60	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.60	/	/	25.60	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	25.07	/	/	<=30	Pass
		Outer_Full	25.00	/	/	28.00	/	/	<=30	Pass
		Inner_Full	26.04	/	/	29.04	/	/	<=30	Pass
		Inner_1RB_Left	26.13	/	/	29.13	/	/	<=30	Pass
		Inner_1RB_Right	25.65	/	/	28.65	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.17	/	/	25.17	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	25.05	/	/	<=30	Pass
		Outer_Full	24.53	/	/	27.53	/	/	<=30	Pass
		Inner_Full	25.45	/	/	28.45	/	/	<=30	Pass
		Inner_1RB_Left	25.62	/	/	28.62	/	/	<=30	Pass
		Inner_1RB_Right	25.62	/	/	28.62	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge_1RB_Left	22.34	/	/	25.34	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	25.02	/	/	<=30	Pass

		Outer_Full	23.86	/	/	26.86	/	/	<=30	Pass
		Inner_Full	24.97	/	/	27.97	/	/	<=30	Pass
		Inner_1RB_Left	24.86	/	/	27.86	/	/	<=30	Pass
		Inner_1RB_Right	24.57	/	/	27.57	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.62	/	/	25.62	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	25.09	/	/	<=30	Pass
		Outer_Full	24.05	/	/	27.05	/	/	<=30	Pass
		Inner_Full	25.03	/	/	28.03	/	/	<=30	Pass
	3960	Inner_1RB_Left	24.94	/	/	27.94	/	/	<=30	Pass
		Inner_1RB_Right	24.52	/	/	27.52	/	/	<=30	Pass
		Edge_1RB_Left	22.18	/	/	25.18	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	25.03	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	23.54	/	/	26.54	/	/	<=30	Pass
		Inner_Full	24.49	/	/	27.49	/	/	<=30	Pass
		Inner_1RB_Left	24.60	/	/	27.60	/	/	<=30	Pass
		Inner_1RB_Right	24.50	/	/	27.50	/	/	<=30	Pass
		Edge_1RB_Left	22.54	/	/	25.54	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	25.19	/	/	<=30	Pass
	3840	Outer_Full	23.40	/	/	26.40	/	/	<=30	Pass
		Inner_Full	23.40	/	/	26.40	/	/	<=30	Pass
		Inner_1RB_Left	23.52	/	/	26.52	/	/	<=30	Pass
		Inner_1RB_Right	23.16	/	/	26.16	/	/	<=30	Pass
		Edge_1RB_Left	22.68	/	/	25.68	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	25.22	/	/	<=30	Pass
	3960	Outer_Full	23.46	/	/	26.46	/	/	<=30	Pass
		Inner_Full	23.49	/	/	26.49	/	/	<=30	Pass
		Inner_1RB_Left	23.62	/	/	26.62	/	/	<=30	Pass
		Inner_1RB_Right	23.18	/	/	26.18	/	/	<=30	Pass
		Edge_1RB_Left	22.19	/	/	25.19	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	25.14	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	23.03	/	/	26.03	/	/	<=30	Pass
		Inner_Full	22.95	/	/	25.95	/	/	<=30	Pass
		Inner_1RB_Left	23.09	/	/	26.09	/	/	<=30	Pass
		Inner_1RB_Right	23.10	/	/	26.10	/	/	<=30	Pass
		Edge_1RB_Left	21.44	/	/	24.44	/	/	<=30	Pass
		Edge_1RB_Right	21.14	/	/	24.14	/	/	<=30	Pass
	3840	Outer_Full	21.35	/	/	24.35	/	/	<=30	Pass
		Inner_Full	21.40	/	/	24.40	/	/	<=30	Pass
		Inner_1RB_Left	21.41	/	/	24.41	/	/	<=30	Pass
		Inner_1RB_Right	21.13	/	/	24.13	/	/	<=30	Pass
		Edge_1RB_Left	21.59	/	/	24.59	/	/	<=30	Pass
		Edge_1RB_Right	21.18	/	/	24.18	/	/	<=30	Pass
	3960	Outer_Full	21.54	/	/	24.54	/	/	<=30	Pass
		Inner_Full	21.48	/	/	24.48	/	/	<=30	Pass
		Inner_1RB_Left	21.66	/	/	24.66	/	/	<=30	Pass
		Inner_1RB_Right	21.19	/	/	24.19	/	/	<=30	Pass
		Edge_1RB_Left	21.25	/	/	24.25	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	24.12	/	/	<=30	Pass
CP-OFDM QPSK	3720	Outer_Full	21.03	/	/	24.03	/	/	<=30	Pass
		Inner_Full	20.91	/	/	23.91	/	/	<=30	Pass
		Inner_1RB_Left	21.25	/	/	24.25	/	/	<=30	Pass
		Inner_1RB_Right	21.16	/	/	24.16	/	/	<=30	Pass
	3720	Edge_1RB_Left	22.51	/	/	25.51	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	25.17	/	/	<=30	Pass
		Outer_Full	22.83	/	/	25.83	/	/	<=30	Pass
		Inner_Full	24.41	/	/	27.41	/	/	<=30	Pass

		Inner_1RB_Left	24.58	/	/	27.58	/	/	<=30	Pass
		Inner_1RB_Right	24.16	/	/	27.16	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.72	/	/	25.72	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	25.10	/	/	<=30	Pass
		Outer_Full	22.98	/	/	25.98	/	/	<=30	Pass
		Inner_Full	24.50	/	/	27.50	/	/	<=30	Pass
		Inner_1RB_Left	24.86	/	/	27.86	/	/	<=30	Pass
		Inner_1RB_Right	24.41	/	/	27.41	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.28	/	/	25.28	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	25.05	/	/	<=30	Pass
		Outer_Full	22.49	/	/	25.49	/	/	<=30	Pass
		Inner_Full	23.94	/	/	26.94	/	/	<=30	Pass
		Inner_1RB_Left	24.06	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Right	24.19	/	/	27.19	/	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge_1RB_Left	22.37	/	/	25.37	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	25.14	/	/	<=30	Pass
		Outer_Full	22.84	/	/	25.84	/	/	<=30	Pass
		Inner_Full	23.91	/	/	26.91	/	/	<=30	Pass
		Inner_1RB_Left	23.86	/	/	26.86	/	/	<=30	Pass
		Inner_1RB_Right	23.43	/	/	26.43	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.54	/	/	25.54	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	25.01	/	/	<=30	Pass
		Outer_Full	23.00	/	/	26.00	/	/	<=30	Pass
		Inner_Full	24.05	/	/	27.05	/	/	<=30	Pass
		Inner_1RB_Left	24.01	/	/	27.01	/	/	<=30	Pass
		Inner_1RB_Right	23.52	/	/	26.52	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.18	/	/	25.18	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	25.23	/	/	<=30	Pass
		Outer_Full	22.60	/	/	25.60	/	/	<=30	Pass
		Inner_Full	23.52	/	/	26.52	/	/	<=30	Pass
		Inner_1RB_Left	23.90	/	/	26.90	/	/	<=30	Pass
		Inner_1RB_Right	23.54	/	/	26.54	/	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	22.53	/	/	25.53	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.13	/	/	<=30	Pass
		Outer_Full	22.38	/	/	25.38	/	/	<=30	Pass
		Inner_Full	22.44	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Left	22.50	/	/	25.50	/	/	<=30	Pass
		Inner_1RB_Right	22.22	/	/	25.22	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.75	/	/	25.75	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	25.24	/	/	<=30	Pass
		Outer_Full	22.50	/	/	25.50	/	/	<=30	Pass
		Inner_Full	22.48	/	/	25.48	/	/	<=30	Pass
		Inner_1RB_Left	22.64	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Right	22.21	/	/	25.21	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.20	/	/	25.20	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	25.13	/	/	<=30	Pass
		Outer_Full	22.02	/	/	25.02	/	/	<=30	Pass
		Inner_Full	21.92	/	/	24.92	/	/	<=30	Pass
		Inner_1RB_Left	22.14	/	/	25.14	/	/	<=30	Pass
		Inner_1RB_Right	22.18	/	/	25.18	/	/	<=30	Pass
CP-OFDM 256 QAM	3720	Edge_1RB_Left	19.42	/	/	22.42	/	/	<=30	Pass
		Edge_1RB_Right	19.15	/	/	22.15	/	/	<=30	Pass
		Outer_Full	19.37	/	/	22.37	/	/	<=30	Pass
		Inner_Full	19.49	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	19.51	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Right	19.04	/	/	22.04	/	/	<=30	Pass

	3840	Edge_1RB_Left	19.68	/	/	22.68	/	/	<=30	Pass
		Edge_1RB_Right	19.16	/	/	22.16	/	/	<=30	Pass
		Outer_Full	19.46	/	/	22.46	/	/	<=30	Pass
		Inner_Full	19.57	/	/	22.57	/	/	<=30	Pass
		Inner_1RB_Left	19.64	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	19.24	/	/	22.24	/	/	<=30	Pass
	3960	Edge_1RB_Left	19.25	/	/	22.25	/	/	<=30	Pass
		Edge_1RB_Right	19.13	/	/	22.13	/	/	<=30	Pass
		Outer_Full	19.02	/	/	22.02	/	/	<=30	Pass
		Inner_Full	19.09	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Left	19.25	/	/	22.25	/	/	<=30	Pass
		Inner_1RB_Right	19.16	/	/	22.16	/	/	<=30	Pass
Note1: Antenna Gain: Ant2: 3.00dBi; Ant0: 3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 30_S_60M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant0	Sum	Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left	22.04	/	/	25.04	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	24.95	/	/	<=30	Pass
		Outer_Full	24.56	/	/	27.56	/	/	<=30	Pass
		Inner_Full	25.47	/	/	28.47	/	/	<=30	Pass
		Inner_1RB_Left	25.58	/	/	28.58	/	/	<=30	Pass
		Inner_1RB_Right	25.50	/	/	28.50	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.49	/	/	25.49	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	24.45	/	/	<=30	Pass
		Outer_Full	25.20	/	/	28.20	/	/	<=30	Pass
		Inner_Full	25.66	/	/	28.66	/	/	<=30	Pass
		Inner_1RB_Left	25.97	/	/	28.97	/	/	<=30	Pass
		Inner_1RB_Right	25.00	/	/	28.00	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.61	/	/	24.61	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	24.55	/	/	<=30	Pass
		Outer_Full	24.88	/	/	27.88	/	/	<=30	Pass
		Inner_Full	25.23	/	/	28.23	/	/	<=30	Pass
		Inner_1RB_Left	25.22	/	/	28.22	/	/	<=30	Pass
		Inner_1RB_Right	25.14	/	/	28.14	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	21.94	/	/	24.94	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	24.94	/	/	<=30	Pass
		Outer_Full	24.51	/	/	27.51	/	/	<=30	Pass
		Inner_Full	25.47	/	/	28.47	/	/	<=30	Pass
		Inner_1RB_Left	25.53	/	/	28.53	/	/	<=30	Pass
		Inner_1RB_Right	25.44	/	/	28.44	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.40	/	/	25.40	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	24.50	/	/	<=30	Pass
		Outer_Full	24.65	/	/	27.65	/	/	<=30	Pass
		Inner_Full	25.76	/	/	28.76	/	/	<=30	Pass
		Inner_1RB_Left	25.97	/	/	28.97	/	/	<=30	Pass
		Inner_1RB_Right	25.02	/	/	28.02	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.50	/	/	24.50	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	24.52	/	/	<=30	Pass
		Outer_Full	24.28	/	/	27.28	/	/	<=30	Pass
		Inner_Full	25.27	/	/	28.27	/	/	<=30	Pass

DFT-s-OFDM 16 QAM	3730.02	Inner_1RB_Left	25.01	/	/	28.01	/	/	<=30	Pass
		Inner_1RB_Right	25.03	/	/	28.03	/	/	<=30	Pass
		Edge_1RB_Left	21.97	/	/	24.97	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	24.89	/	/	<=30	Pass
		Outer_Full	23.52	/	/	26.52	/	/	<=30	Pass
		Inner_Full	24.50	/	/	27.50	/	/	<=30	Pass
	3840	Inner_1RB_Left	24.38	/	/	27.38	/	/	<=30	Pass
		Inner_1RB_Right	24.29	/	/	27.29	/	/	<=30	Pass
		Edge_1RB_Left	22.23	/	/	25.23	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	24.37	/	/	<=30	Pass
		Outer_Full	23.70	/	/	26.70	/	/	<=30	Pass
		Inner_Full	24.74	/	/	27.74	/	/	<=30	Pass
	3949.98	Inner_1RB_Left	24.69	/	/	27.69	/	/	<=30	Pass
		Inner_1RB_Right	23.88	/	/	26.88	/	/	<=30	Pass
		Edge_1RB_Left	21.47	/	/	24.47	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	24.47	/	/	<=30	Pass
		Outer_Full	23.33	/	/	26.33	/	/	<=30	Pass
		Inner_Full	24.26	/	/	27.26	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Inner_1RB_Left	23.92	/	/	26.92	/	/	<=30	Pass
		Inner_1RB_Right	23.85	/	/	26.85	/	/	<=30	Pass
		Edge_1RB_Left	22.23	/	/	25.23	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	25.10	/	/	<=30	Pass
		Outer_Full	22.96	/	/	25.96	/	/	<=30	Pass
		Inner_Full	23.00	/	/	26.00	/	/	<=30	Pass
	3840	Inner_1RB_Left	23.13	/	/	26.13	/	/	<=30	Pass
		Inner_1RB_Right	23.00	/	/	26.00	/	/	<=30	Pass
		Edge_1RB_Left	22.39	/	/	25.39	/	/	<=30	Pass
		Edge_1RB_Right	21.48	/	/	24.48	/	/	<=30	Pass
		Outer_Full	23.20	/	/	26.20	/	/	<=30	Pass
		Inner_Full	23.24	/	/	26.24	/	/	<=30	Pass
	3949.98	Inner_1RB_Left	23.33	/	/	26.33	/	/	<=30	Pass
		Inner_1RB_Right	22.55	/	/	25.55	/	/	<=30	Pass
		Edge_1RB_Left	21.65	/	/	24.65	/	/	<=30	Pass
		Edge_1RB_Right	21.68	/	/	24.68	/	/	<=30	Pass
		Outer_Full	22.74	/	/	25.74	/	/	<=30	Pass
		Inner_Full	22.73	/	/	25.73	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Inner_1RB_Left	22.67	/	/	25.67	/	/	<=30	Pass
		Inner_1RB_Right	22.63	/	/	25.63	/	/	<=30	Pass
		Edge_1RB_Left	20.89	/	/	23.89	/	/	<=30	Pass
		Edge_1RB_Right	20.95	/	/	23.95	/	/	<=30	Pass
		Outer_Full	20.99	/	/	23.99	/	/	<=30	Pass
		Inner_Full	20.99	/	/	23.99	/	/	<=30	Pass
	3840	Inner_1RB_Left	21.02	/	/	24.02	/	/	<=30	Pass
		Inner_1RB_Right	20.92	/	/	23.92	/	/	<=30	Pass
		Edge_1RB_Left	21.33	/	/	24.33	/	/	<=30	Pass
		Edge_1RB_Right	20.46	/	/	23.46	/	/	<=30	Pass
		Outer_Full	21.17	/	/	24.17	/	/	<=30	Pass
		Inner_Full	21.23	/	/	24.23	/	/	<=30	Pass
	3949.98	Inner_1RB_Left	21.35	/	/	24.35	/	/	<=30	Pass
		Inner_1RB_Right	20.59	/	/	23.59	/	/	<=30	Pass
		Edge_1RB_Left	20.53	/	/	23.53	/	/	<=30	Pass
		Edge_1RB_Right	20.56	/	/	23.56	/	/	<=30	Pass
		Outer_Full	20.72	/	/	23.72	/	/	<=30	Pass
		Inner_Full	20.69	/	/	23.69	/	/	<=30	Pass
		Inner_1RB_Left	20.49	/	/	23.49	/	/	<=30	Pass
		Inner_1RB_Right	20.47	/	/	23.47	/	/	<=30	Pass

CP-OFDM QPSK	3730.02	Edge_1RB_Left	22.09	/	/	25.09	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	24.96	/	/	<=30	Pass
		Outer_Full	22.51	/	/	25.51	/	/	<=30	Pass
		Inner_Full	24.03	/	/	27.03	/	/	<=30	Pass
		Inner_1RB_Left	24.11	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Right	23.89	/	/	26.89	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.47	/	/	25.47	/	/	<=30	Pass
		Edge_1RB_Right	21.62	/	/	24.62	/	/	<=30	Pass
		Outer_Full	22.64	/	/	25.64	/	/	<=30	Pass
		Inner_Full	24.25	/	/	27.25	/	/	<=30	Pass
		Inner_1RB_Left	24.42	/	/	27.42	/	/	<=30	Pass
		Inner_1RB_Right	23.47	/	/	26.47	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.43	/	/	24.43	/	/	<=30	Pass
		Edge_1RB_Right	21.39	/	/	24.39	/	/	<=30	Pass
		Outer_Full	22.19	/	/	25.19	/	/	<=30	Pass
		Inner_Full	23.53	/	/	26.53	/	/	<=30	Pass
		Inner_1RB_Left	23.44	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Right	23.33	/	/	26.33	/	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.89	/	/	24.89	/	/	<=30	Pass
		Edge_1RB_Right	21.90	/	/	24.90	/	/	<=30	Pass
		Outer_Full	22.49	/	/	25.49	/	/	<=30	Pass
		Inner_Full	23.49	/	/	26.49	/	/	<=30	Pass
		Inner_1RB_Left	23.39	/	/	26.39	/	/	<=30	Pass
		Inner_1RB_Right	23.32	/	/	26.32	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.26	/	/	25.26	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	24.40	/	/	<=30	Pass
		Outer_Full	22.68	/	/	25.68	/	/	<=30	Pass
		Inner_Full	23.73	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Left	23.81	/	/	26.81	/	/	<=30	Pass
		Inner_1RB_Right	22.75	/	/	25.75	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.31	/	/	24.31	/	/	<=30	Pass
		Edge_1RB_Right	21.25	/	/	24.25	/	/	<=30	Pass
		Outer_Full	21.99	/	/	24.99	/	/	<=30	Pass
		Inner_Full	23.05	/	/	26.05	/	/	<=30	Pass
		Inner_1RB_Left	22.80	/	/	25.80	/	/	<=30	Pass
		Inner_1RB_Right	22.75	/	/	25.75	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge_1RB_Left	22.14	/	/	25.14	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	25.10	/	/	<=30	Pass
		Outer_Full	22.04	/	/	25.04	/	/	<=30	Pass
		Inner_Full	22.03	/	/	25.03	/	/	<=30	Pass
		Inner_1RB_Left	22.15	/	/	25.15	/	/	<=30	Pass
		Inner_1RB_Right	22.10	/	/	25.10	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.46	/	/	25.46	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	24.45	/	/	<=30	Pass
		Outer_Full	22.24	/	/	25.24	/	/	<=30	Pass
		Inner_Full	22.23	/	/	25.23	/	/	<=30	Pass
		Inner_1RB_Left	22.46	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Right	21.50	/	/	24.50	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.53	/	/	24.53	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	24.54	/	/	<=30	Pass
		Outer_Full	21.58	/	/	24.58	/	/	<=30	Pass
		Inner_Full	21.55	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Left	21.60	/	/	24.60	/	/	<=30	Pass
		Inner_1RB_Right	21.50	/	/	24.50	/	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge_1RB_Left	19.05	/	/	22.05	/	/	<=30	Pass
		Edge_1RB_Right	19.07	/	/	22.07	/	/	<=30	Pass

		Outer_Full	19.02	/	/	22.02	/	/	<=30	Pass
		Inner_Full	19.01	/	/	22.01	/	/	<=30	Pass
		Inner_1RB_Left	18.93	/	/	21.93	/	/	<=30	Pass
		Inner_1RB_Right	18.98	/	/	21.98	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.38	/	/	22.38	/	/	<=30	Pass
		Edge_1RB_Right	18.57	/	/	21.57	/	/	<=30	Pass
		Outer_Full	19.16	/	/	22.16	/	/	<=30	Pass
		Inner_Full	19.19	/	/	22.19	/	/	<=30	Pass
	3949.98	Inner_1RB_Left	19.47	/	/	22.47	/	/	<=30	Pass
		Inner_1RB_Right	18.56	/	/	21.56	/	/	<=30	Pass
		Edge_1RB_Left	18.50	/	/	21.50	/	/	<=30	Pass
		Edge_1RB_Right	18.19	/	/	21.19	/	/	<=30	Pass
		Outer_Full	18.55	/	/	21.55	/	/	<=30	Pass
		Inner_Full	18.52	/	/	21.52	/	/	<=30	Pass
		Inner_1RB_Left	18.31	/	/	21.31	/	/	<=30	Pass
		Inner_1RB_Right	18.37	/	/	21.37	/	/	<=30	Pass
Note1: Antenna Gain: Ant2: 3.00dBi; Ant0: 3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30_S_80M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant0	Sum	Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge_1RB_Left	21.56	/	/	24.56	/	/	<=30	Pass
		Edge_1RB_Right	21.67	/	/	24.67	/	/	<=30	Pass
		Outer_Full	24.13	/	/	27.13	/	/	<=30	Pass
		Inner_Full	25.03	/	/	28.03	/	/	<=30	Pass
		Inner_1RB_Left	25.13	/	/	28.13	/	/	<=30	Pass
		Inner_1RB_Right	25.12	/	/	28.12	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.89	/	/	24.89	/	/	<=30	Pass
		Edge_1RB_Right	21.08	/	/	24.08	/	/	<=30	Pass
		Outer_Full	24.67	/	/	27.67	/	/	<=30	Pass
		Inner_Full	25.29	/	/	28.29	/	/	<=30	Pass
		Inner_1RB_Left	25.47	/	/	28.47	/	/	<=30	Pass
		Inner_1RB_Right	24.73	/	/	27.73	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.18	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	24.21	/	/	<=30	Pass
		Outer_Full	24.25	/	/	27.25	/	/	<=30	Pass
		Inner_Full	24.91	/	/	27.91	/	/	<=30	Pass
		Inner_1RB_Left	24.75	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Right	24.70	/	/	27.70	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	21.51	/	/	24.51	/	/	<=30	Pass
		Edge_1RB_Right	21.56	/	/	24.56	/	/	<=30	Pass
		Outer_Full	24.06	/	/	27.06	/	/	<=30	Pass
		Inner_Full	25.05	/	/	28.05	/	/	<=30	Pass
		Inner_1RB_Left	24.95	/	/	27.95	/	/	<=30	Pass
		Inner_1RB_Right	25.08	/	/	28.08	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.87	/	/	24.87	/	/	<=30	Pass
		Edge_1RB_Right	21.11	/	/	24.11	/	/	<=30	Pass
		Outer_Full	24.18	/	/	27.18	/	/	<=30	Pass
		Inner_Full	25.29	/	/	28.29	/	/	<=30	Pass
		Inner_1RB_Left	25.44	/	/	28.44	/	/	<=30	Pass
		Inner_1RB_Right	24.60	/	/	27.60	/	/	<=30	Pass

	3939.99	Edge_1RB_Left	21.20	/	/	24.20	/	/	<=30	Pass
		Edge_1RB_Right	21.10	/	/	24.10	/	/	<=30	Pass
		Outer_Full	23.78	/	/	26.78	/	/	<=30	Pass
		Inner_Full	24.85	/	/	27.85	/	/	<=30	Pass
		Inner_1RB_Left	24.72	/	/	27.72	/	/	<=30	Pass
		Inner_1RB_Right	24.70	/	/	27.70	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	21.50	/	/	24.50	/	/	<=30	Pass
		Edge_1RB_Right	21.51	/	/	24.51	/	/	<=30	Pass
		Outer_Full	23.11	/	/	26.11	/	/	<=30	Pass
		Inner_Full	24.03	/	/	27.03	/	/	<=30	Pass
		Inner_1RB_Left	23.87	/	/	26.87	/	/	<=30	Pass
		Inner_1RB_Right	23.96	/	/	26.96	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.71	/	/	24.71	/	/	<=30	Pass
		Edge_1RB_Right	21.00	/	/	24.00	/	/	<=30	Pass
		Outer_Full	23.14	/	/	26.14	/	/	<=30	Pass
		Inner_Full	24.27	/	/	27.27	/	/	<=30	Pass
		Inner_1RB_Left	24.25	/	/	27.25	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	26.55	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.10	/	/	24.10	/	/	<=30	Pass
		Edge_1RB_Right	21.08	/	/	24.08	/	/	<=30	Pass
		Outer_Full	22.80	/	/	25.80	/	/	<=30	Pass
		Inner_Full	23.87	/	/	26.87	/	/	<=30	Pass
		Inner_1RB_Left	23.53	/	/	26.53	/	/	<=30	Pass
		Inner_1RB_Right	23.60	/	/	26.60	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Left	21.61	/	/	24.61	/	/	<=30	Pass
		Edge_1RB_Right	21.66	/	/	24.66	/	/	<=30	Pass
		Outer_Full	22.58	/	/	25.58	/	/	<=30	Pass
		Inner_Full	22.56	/	/	25.56	/	/	<=30	Pass
		Inner_1RB_Left	22.60	/	/	25.60	/	/	<=30	Pass
		Inner_1RB_Right	22.64	/	/	25.64	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.97	/	/	24.97	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	24.24	/	/	<=30	Pass
		Outer_Full	22.72	/	/	25.72	/	/	<=30	Pass
		Inner_Full	22.85	/	/	25.85	/	/	<=30	Pass
		Inner_1RB_Left	22.87	/	/	25.87	/	/	<=30	Pass
		Inner_1RB_Right	22.21	/	/	25.21	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.31	/	/	24.31	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	24.32	/	/	<=30	Pass
		Outer_Full	22.33	/	/	25.33	/	/	<=30	Pass
		Inner_Full	22.41	/	/	25.41	/	/	<=30	Pass
		Inner_1RB_Left	22.27	/	/	25.27	/	/	<=30	Pass
		Inner_1RB_Right	22.20	/	/	25.20	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	20.50	/	/	23.50	/	/	<=30	Pass
		Edge_1RB_Right	20.55	/	/	23.55	/	/	<=30	Pass
		Outer_Full	20.57	/	/	23.57	/	/	<=30	Pass
		Inner_Full	20.54	/	/	23.54	/	/	<=30	Pass
		Inner_1RB_Left	20.48	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Right	20.64	/	/	23.64	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.88	/	/	23.88	/	/	<=30	Pass
		Edge_1RB_Right	20.19	/	/	23.19	/	/	<=30	Pass
		Outer_Full	20.64	/	/	23.64	/	/	<=30	Pass
		Inner_Full	20.83	/	/	23.83	/	/	<=30	Pass
		Inner_1RB_Left	20.84	/	/	23.84	/	/	<=30	Pass
		Inner_1RB_Right	20.19	/	/	23.19	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.26	/	/	23.26	/	/	<=30	Pass
		Edge_1RB_Right	20.10	/	/	23.10	/	/	<=30	Pass

CP-OFDM QPSK	3740.01	Outer_Full	20.35	/	/	23.35	/	/	<=30	Pass
		Inner_Full	20.37	/	/	23.37	/	/	<=30	Pass
		Inner_1RB_Left	20.16	/	/	23.16	/	/	<=30	Pass
		Inner_1RB_Right	20.09	/	/	23.09	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.64	/	/	24.64	/	/	<=30	Pass
		Edge_1RB_Right	21.67	/	/	24.67	/	/	<=30	Pass
		Outer_Full	22.07	/	/	25.07	/	/	<=30	Pass
		Inner_Full	23.52	/	/	26.52	/	/	<=30	Pass
	3939.99	Inner_1RB_Left	23.70	/	/	26.70	/	/	<=30	Pass
		Inner_1RB_Right	23.67	/	/	26.67	/	/	<=30	Pass
		Edge_1RB_Left	21.96	/	/	24.96	/	/	<=30	Pass
		Edge_1RB_Right	21.25	/	/	24.25	/	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	22.20	/	/	25.20	/	/	<=30	Pass
		Inner_Full	23.82	/	/	26.82	/	/	<=30	Pass
		Inner_1RB_Left	24.06	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Right	23.35	/	/	26.35	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.23	/	/	24.23	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	24.16	/	/	<=30	Pass
		Outer_Full	21.80	/	/	24.80	/	/	<=30	Pass
		Inner_Full	23.36	/	/	26.36	/	/	<=30	Pass
	3939.99	Inner_1RB_Left	23.36	/	/	26.36	/	/	<=30	Pass
		Inner_1RB_Right	23.44	/	/	26.44	/	/	<=30	Pass
		Edge_1RB_Left	21.52	/	/	24.52	/	/	<=30	Pass
		Edge_1RB_Right	21.56	/	/	24.56	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	22.06	/	/	25.06	/	/	<=30	Pass
		Inner_Full	22.93	/	/	25.93	/	/	<=30	Pass
		Inner_1RB_Left	23.01	/	/	26.01	/	/	<=30	Pass
		Inner_1RB_Right	22.95	/	/	25.95	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.79	/	/	24.79	/	/	<=30	Pass
		Edge_1RB_Right	21.10	/	/	24.10	/	/	<=30	Pass
		Outer_Full	22.18	/	/	25.18	/	/	<=30	Pass
		Inner_Full	23.32	/	/	26.32	/	/	<=30	Pass
	3939.99	Inner_1RB_Left	23.39	/	/	26.39	/	/	<=30	Pass
		Inner_1RB_Right	22.53	/	/	25.53	/	/	<=30	Pass
		Edge_1RB_Left	21.08	/	/	24.08	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	24.12	/	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	21.80	/	/	24.80	/	/	<=30	Pass
		Inner_Full	22.84	/	/	25.84	/	/	<=30	Pass
		Inner_1RB_Left	22.62	/	/	25.62	/	/	<=30	Pass
		Inner_1RB_Right	22.55	/	/	25.55	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.66	/	/	24.66	/	/	<=30	Pass
		Edge_1RB_Right	21.64	/	/	24.64	/	/	<=30	Pass
		Outer_Full	21.65	/	/	24.65	/	/	<=30	Pass
		Inner_Full	21.45	/	/	24.45	/	/	<=30	Pass
	3939.99	Inner_1RB_Left	21.63	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Right	21.69	/	/	24.69	/	/	<=30	Pass
		Edge_1RB_Left	21.98	/	/	24.98	/	/	<=30	Pass
		Edge_1RB_Right	21.26	/	/	24.26	/	/	<=30	Pass
CP-OFDM 1024 QAM	3740.01	Outer_Full	21.70	/	/	24.70	/	/	<=30	Pass
		Inner_Full	21.74	/	/	24.74	/	/	<=30	Pass
		Inner_1RB_Left	22.03	/	/	25.03	/	/	<=30	Pass
		Inner_1RB_Right	21.22	/	/	24.22	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.27	/	/	24.27	/	/	<=30	Pass
		Edge_1RB_Right	21.26	/	/	24.26	/	/	<=30	Pass
		Outer_Full	21.33	/	/	24.33	/	/	<=30	Pass
		Inner_Full	21.32	/	/	24.32	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.27	/	/	24.27	/	/	<=30	Pass
		Edge_1RB_Right	21.26	/	/	24.26	/	/	<=30	Pass
		Outer_Full	21.33	/	/	24.33	/	/	<=30	Pass
		Inner_Full	21.32	/	/	24.32	/	/	<=30	Pass

CP-OFDM 256 QAM	3740.01	Inner_1RB_Left	21.29	/	/	24.29	/	/	<=30	Pass
		Inner_1RB_Right	21.29	/	/	24.29	/	/	<=30	Pass
		Edge_1RB_Left	18.65	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Right	18.66	/	/	21.66	/	/	<=30	Pass
		Outer_Full	18.58	/	/	21.58	/	/	<=30	Pass
		Inner_Full	18.57	/	/	21.57	/	/	<=30	Pass
		Inner_1RB_Left	18.65	/	/	21.65	/	/	<=30	Pass
		Inner_1RB_Right	18.67	/	/	21.67	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.88	/	/	21.88	/	/	<=30	Pass
		Edge_1RB_Right	18.20	/	/	21.20	/	/	<=30	Pass
		Outer_Full	18.74	/	/	21.74	/	/	<=30	Pass
		Inner_Full	18.83	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Left	18.80	/	/	21.80	/	/	<=30	Pass
	3939.99	Inner_1RB_Right	18.18	/	/	21.18	/	/	<=30	Pass
		Edge_1RB_Left	18.27	/	/	21.27	/	/	<=30	Pass
		Edge_1RB_Right	18.34	/	/	21.34	/	/	<=30	Pass
		Outer_Full	18.24	/	/	21.24	/	/	<=30	Pass
		Inner_Full	18.36	/	/	21.36	/	/	<=30	Pass
		Inner_1RB_Left	18.25	/	/	21.25	/	/	<=30	Pass
		Inner_1RB_Right	18.20	/	/	21.20	/	/	<=30	Pass

Note1: Antenna Gain: Ant2: 3.00dBi; Ant0: 3.00dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.1.6 30_S_100M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant2	Ant0	Sum	Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge_1RB_Left	21.53	/	/	24.53	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	24.47	/	/	<=30	Pass
		Outer_Full	24.56	/	/	27.56	/	/	<=30	Pass
		Inner_Full	25.01	/	/	28.01	/	/	<=30	Pass
		Inner_1RB_Left	24.98	/	/	27.98	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.99	/	/	27.99	/	/	<=30	Pass
		Edge_1RB_Left	21.80	/	/	24.80	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	24.32	/	/	<=30	Pass
		Outer_Full	24.74	/	/	27.74	/	/	<=30	Pass
		Inner_Full	25.30	/	/	28.30	/	/	<=30	Pass
	3930	Inner_1RB_Left	25.26	/	/	28.26	/	/	<=30	Pass
		Inner_1RB_Right	24.88	/	/	27.88	/	/	<=30	Pass
		Edge_1RB_Left	21.01	/	/	24.01	/	/	<=30	Pass
		Edge_1RB_Right	20.98	/	/	23.98	/	/	<=30	Pass
		Outer_Full	24.15	/	/	27.15	/	/	<=30	Pass
		Inner_Full	24.67	/	/	27.67	/	/	<=30	Pass
		Inner_1RB_Left	24.51	/	/	27.51	/	/	<=30	Pass
		Inner_1RB_Right	24.61	/	/	27.61	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	21.45	/	/	24.45	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	24.40	/	/	<=30	Pass
		Outer_Full	24.05	/	/	27.05	/	/	<=30	Pass
		Inner_Full	24.95	/	/	27.95	/	/	<=30	Pass
		Inner_1RB_Left	24.88	/	/	27.88	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.87	/	/	27.87	/	/	<=30	Pass
		Edge_1RB_Left	21.72	/	/	24.72	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	24.32	/	/	<=30	Pass

		Outer_Full	24.24	/	/	27.24	/	/	<=30	Pass
		Inner_Full	25.28	/	/	28.28	/	/	<=30	Pass
		Inner_1RB_Left	25.27	/	/	28.27	/	/	<=30	Pass
		Inner_1RB_Right	24.82	/	/	27.82	/	/	<=30	Pass
	3930	Edge_1RB_Left	20.96	/	/	23.96	/	/	<=30	Pass
		Edge_1RB_Right	21.03	/	/	24.03	/	/	<=30	Pass
		Outer_Full	23.63	/	/	26.63	/	/	<=30	Pass
		Inner_Full	24.77	/	/	27.77	/	/	<=30	Pass
		Inner_1RB_Left	24.51	/	/	27.51	/	/	<=30	Pass
		Inner_1RB_Right	24.61	/	/	27.61	/	/	<=30	Pass
		Edge_1RB_Left	21.34	/	/	24.34	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	24.34	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	22.99	/	/	25.99	/	/	<=30	Pass
		Inner_Full	23.93	/	/	26.93	/	/	<=30	Pass
		Inner_1RB_Left	23.76	/	/	26.76	/	/	<=30	Pass
		Inner_1RB_Right	23.79	/	/	26.79	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.68	/	/	24.68	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	24.27	/	/	<=30	Pass
		Outer_Full	23.12	/	/	26.12	/	/	<=30	Pass
		Inner_Full	24.26	/	/	27.26	/	/	<=30	Pass
		Inner_1RB_Left	24.11	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Right	23.66	/	/	26.66	/	/	<=30	Pass
	3930	Edge_1RB_Left	20.95	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	20.91	/	/	23.91	/	/	<=30	Pass
		Outer_Full	22.63	/	/	25.63	/	/	<=30	Pass
		Inner_Full	23.69	/	/	26.69	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	26.42	/	/	<=30	Pass
		Inner_1RB_Right	23.43	/	/	26.43	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	21.46	/	/	24.46	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	24.46	/	/	<=30	Pass
		Outer_Full	22.46	/	/	25.46	/	/	<=30	Pass
		Inner_Full	22.41	/	/	25.41	/	/	<=30	Pass
		Inner_1RB_Left	22.46	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Right	22.38	/	/	25.38	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.87	/	/	24.87	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	24.46	/	/	<=30	Pass
		Outer_Full	22.61	/	/	25.61	/	/	<=30	Pass
		Inner_Full	22.76	/	/	25.76	/	/	<=30	Pass
		Inner_1RB_Left	22.90	/	/	25.90	/	/	<=30	Pass
		Inner_1RB_Right	22.38	/	/	25.38	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.12	/	/	24.12	/	/	<=30	Pass
		Edge_1RB_Right	21.13	/	/	24.13	/	/	<=30	Pass
		Outer_Full	22.05	/	/	25.05	/	/	<=30	Pass
		Inner_Full	22.06	/	/	25.06	/	/	<=30	Pass
		Inner_1RB_Left	22.13	/	/	25.13	/	/	<=30	Pass
		Inner_1RB_Right	22.36	/	/	25.36	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	20.47	/	/	23.47	/	/	<=30	Pass
		Edge_1RB_Right	20.38	/	/	23.38	/	/	<=30	Pass
		Outer_Full	20.46	/	/	23.46	/	/	<=30	Pass
		Inner_Full	20.42	/	/	23.42	/	/	<=30	Pass
		Inner_1RB_Left	20.45	/	/	23.45	/	/	<=30	Pass
		Inner_1RB_Right	20.46	/	/	23.46	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.67	/	/	23.67	/	/	<=30	Pass
		Edge_1RB_Right	20.19	/	/	23.19	/	/	<=30	Pass
		Outer_Full	20.61	/	/	23.61	/	/	<=30	Pass
		Inner_Full	20.76	/	/	23.76	/	/	<=30	Pass

		Inner_1RB_Left	20.70	/	/	23.70	/	/	<=30	Pass
		Inner_1RB_Right	20.41	/	/	23.41	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.97	/	/	22.97	/	/	<=30	Pass
		Edge_1RB_Right	20.04	/	/	23.04	/	/	<=30	Pass
		Outer_Full	20.15	/	/	23.15	/	/	<=30	Pass
		Inner_Full	20.25	/	/	23.25	/	/	<=30	Pass
		Inner_1RB_Left	19.98	/	/	22.98	/	/	<=30	Pass
		Inner_1RB_Right	20.06	/	/	23.06	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	21.48	/	/	24.48	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	24.50	/	/	<=30	Pass
		Outer_Full	21.88	/	/	24.88	/	/	<=30	Pass
		Inner_Full	23.40	/	/	26.40	/	/	<=30	Pass
		Inner_1RB_Left	23.50	/	/	26.50	/	/	<=30	Pass
		Inner_1RB_Right	23.44	/	/	26.44	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.79	/	/	24.79	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	24.32	/	/	<=30	Pass
		Outer_Full	22.08	/	/	25.08	/	/	<=30	Pass
		Inner_Full	23.75	/	/	26.75	/	/	<=30	Pass
		Inner_1RB_Left	23.83	/	/	26.83	/	/	<=30	Pass
		Inner_1RB_Right	23.33	/	/	26.33	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.17	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Right	21.25	/	/	24.25	/	/	<=30	Pass
		Outer_Full	21.65	/	/	24.65	/	/	<=30	Pass
		Inner_Full	23.22	/	/	26.22	/	/	<=30	Pass
		Inner_1RB_Left	23.03	/	/	26.03	/	/	<=30	Pass
		Inner_1RB_Right	23.06	/	/	26.06	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge_1RB_Left	21.37	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	24.34	/	/	<=30	Pass
		Outer_Full	22.00	/	/	25.00	/	/	<=30	Pass
		Inner_Full	22.89	/	/	25.89	/	/	<=30	Pass
		Inner_1RB_Left	22.89	/	/	25.89	/	/	<=30	Pass
		Inner_1RB_Right	22.95	/	/	25.95	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.75	/	/	24.75	/	/	<=30	Pass
		Edge_1RB_Right	21.23	/	/	24.23	/	/	<=30	Pass
		Outer_Full	22.10	/	/	25.10	/	/	<=30	Pass
		Inner_Full	23.15	/	/	26.15	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	26.26	/	/	<=30	Pass
		Inner_1RB_Right	22.72	/	/	25.72	/	/	<=30	Pass
	3930	Edge_1RB_Left	20.92	/	/	23.92	/	/	<=30	Pass
		Edge_1RB_Right	20.98	/	/	23.98	/	/	<=30	Pass
		Outer_Full	21.60	/	/	24.60	/	/	<=30	Pass
		Inner_Full	22.66	/	/	25.66	/	/	<=30	Pass
		Inner_1RB_Left	22.31	/	/	25.31	/	/	<=30	Pass
		Inner_1RB_Right	22.50	/	/	25.50	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Edge_1RB_Left	21.63	/	/	24.63	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	24.44	/	/	<=30	Pass
		Outer_Full	21.53	/	/	24.53	/	/	<=30	Pass
		Inner_Full	21.38	/	/	24.38	/	/	<=30	Pass
		Inner_1RB_Left	21.54	/	/	24.54	/	/	<=30	Pass
		Inner_1RB_Right	21.46	/	/	24.46	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.94	/	/	24.94	/	/	<=30	Pass
		Edge_1RB_Right	21.56	/	/	24.56	/	/	<=30	Pass
		Outer_Full	21.68	/	/	24.68	/	/	<=30	Pass
		Inner_Full	21.76	/	/	24.76	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	24.96	/	/	<=30	Pass
		Inner_1RB_Right	21.48	/	/	24.48	/	/	<=30	Pass

	3930	Edge_1RB_Left	21.25	/	/	24.25	/	/	<=30	Pass	
		Edge_1RB_Right	21.31	/	/	24.31	/	/	<=30	Pass	
		Outer_Full	21.11	/	/	24.11	/	/	<=30	Pass	
		Inner_Full	21.10	/	/	24.10	/	/	<=30	Pass	
		Inner_1RB_Left	21.11	/	/	24.11	/	/	<=30	Pass	
		Inner_1RB_Right	21.35	/	/	24.35	/	/	<=30	Pass	
CP-OFDM 256 QAM	3750	Edge_1RB_Left	18.34	/	/	21.34	/	/	<=30	Pass	
		Edge_1RB_Right	18.47	/	/	21.47	/	/	<=30	Pass	
		Outer_Full	18.46	/	/	21.46	/	/	<=30	Pass	
		Inner_Full	18.42	/	/	21.42	/	/	<=30	Pass	
		Inner_1RB_Left	18.47	/	/	21.47	/	/	<=30	Pass	
		Inner_1RB_Right	18.36	/	/	21.36	/	/	<=30	Pass	
	3840	Edge_1RB_Left	18.80	/	/	21.80	/	/	<=30	Pass	
		Edge_1RB_Right	18.40	/	/	21.40	/	/	<=30	Pass	
		Outer_Full	18.55	/	/	21.55	/	/	<=30	Pass	
		Inner_Full	18.79	/	/	21.79	/	/	<=30	Pass	
		Inner_1RB_Left	18.79	/	/	21.79	/	/	<=30	Pass	
		Inner_1RB_Right	18.36	/	/	21.36	/	/	<=30	Pass	
	3930	Edge_1RB_Left	18.04	/	/	21.04	/	/	<=30	Pass	
		Edge_1RB_Right	17.93	/	/	20.93	/	/	<=30	Pass	
		Outer_Full	18.07	/	/	21.07	/	/	<=30	Pass	
		Inner_Full	18.23	/	/	21.23	/	/	<=30	Pass	
		Inner_1RB_Left	18.06	/	/	21.06	/	/	<=30	Pass	
			Inner_1RB_Right	18.05	/	/	21.05	/	/	<=30	Pass
	Note1: Antenna Gain: Ant2: 3.00dBi; Ant0: 3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 30_S_100M

5G NR n77a SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	14.70	0.0038	>=-2.5 & <=2.5	Pass
				HV	7.10	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-12.10	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	2.10	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	7.80	0.0020	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30_S_20M_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	18.01	19.35	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	18.14	19.38	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	18.07	19.58	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	18.15	19.59	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	18.05	19.21	/	Pass
CP-OFDM QPSK	3840	Outer_Full	18.37	19.81	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	18.39	20.02	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	18.42	19.72	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	18.38	19.70	/	Pass

3.1.2 30_S_30M_NTNV

5G NR n77a SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	27.12	29.17	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	27.13	29.08	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	27.07	28.82	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	27.01	29.23	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	27.14	29.31	/	Pass
CP-OFDM QPSK	3840	Outer_Full	28.06	30.09	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	28.27	30.22	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	27.98	29.98	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	28.02	29.88	/	Pass

3.1.3 30_S_40M_NTNV

5G NR n77a SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	36.02	38.80	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	35.91	38.67	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	36.18	38.66	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	36.06	38.76	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	36.12	38.55	/	Pass
CP-OFDM QPSK	3840	Outer_Full	38.28	40.75	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	38.30	40.92	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	38.09	40.92	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	38.26	40.46	/	Pass

3.1.4 30_S_60M_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	58.19	62.16	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	58.33	62.08	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	58.01	62.27	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	58.21	62.19	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	58.66	62.22	/	Pass
CP-OFDM QPSK	3840	Outer_Full	58.27	62.16	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	58.35	61.95	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	58.21	62.59	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	58.10	62.23	/	Pass

3.1.5 30_S_80M_NTNV

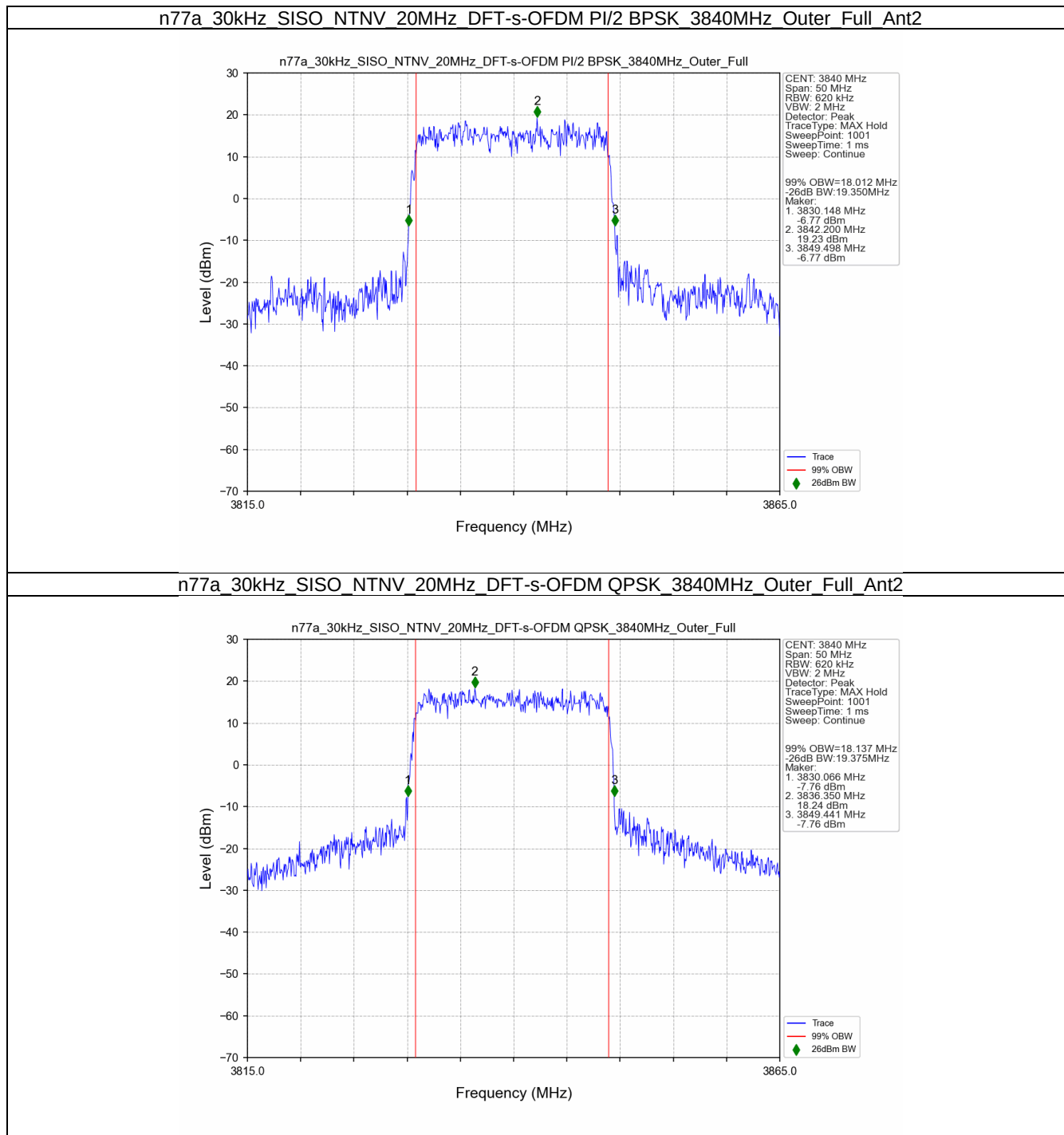
5G NR n77a SCS=30kHz SISO 80MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	77.88	82.95	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	77.89	82.96	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	77.74	83.28	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	77.79	82.81	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	77.76	83.06	/	Pass
CP-OFDM QPSK	3840	Outer_Full	78.13	83.15	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	78.21	83.45	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	78.58	83.41	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	78.07	82.81	/	Pass

3.1.6 30_S_100M_NTNV

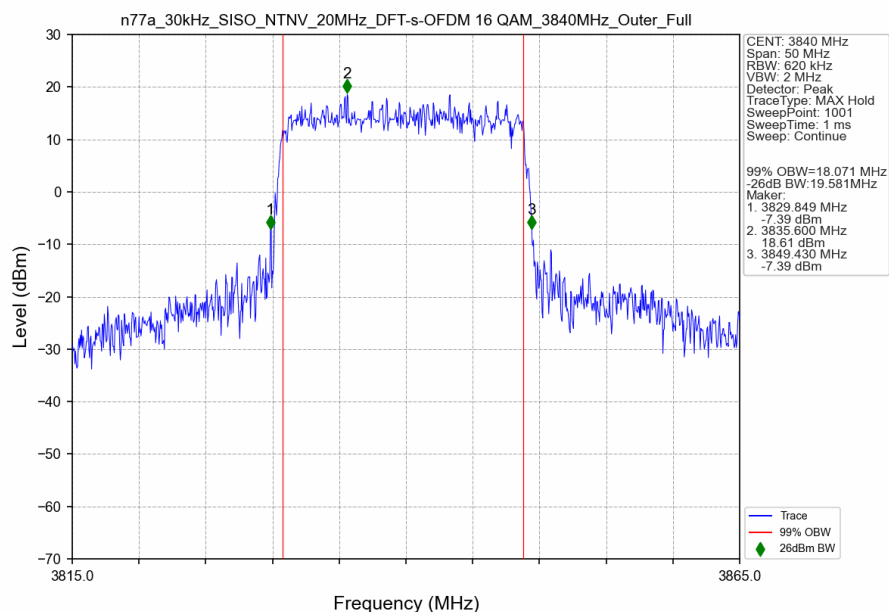
5G NR n77a SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	97.04	103.27	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	96.90	103.24	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	96.85	103.56	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	97.08	103.18	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	97.47	103.50	/	Pass
CP-OFDM QPSK	3840	Outer_Full	98.11	104.58	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	98.16	104.59	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	97.94	104.38	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	97.65	104.34	/	Pass

3.2 Test Graph

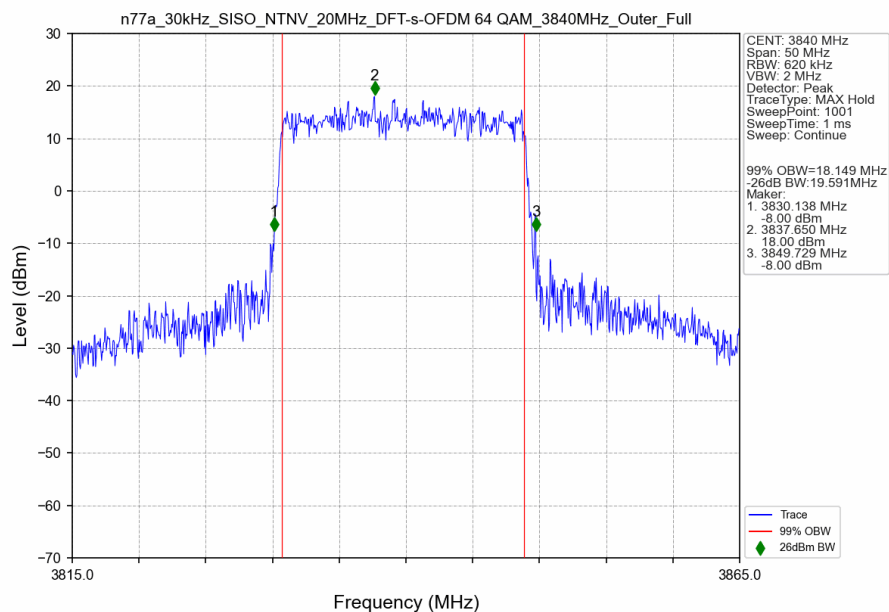
3.2.1 30_S_20M_NTNV



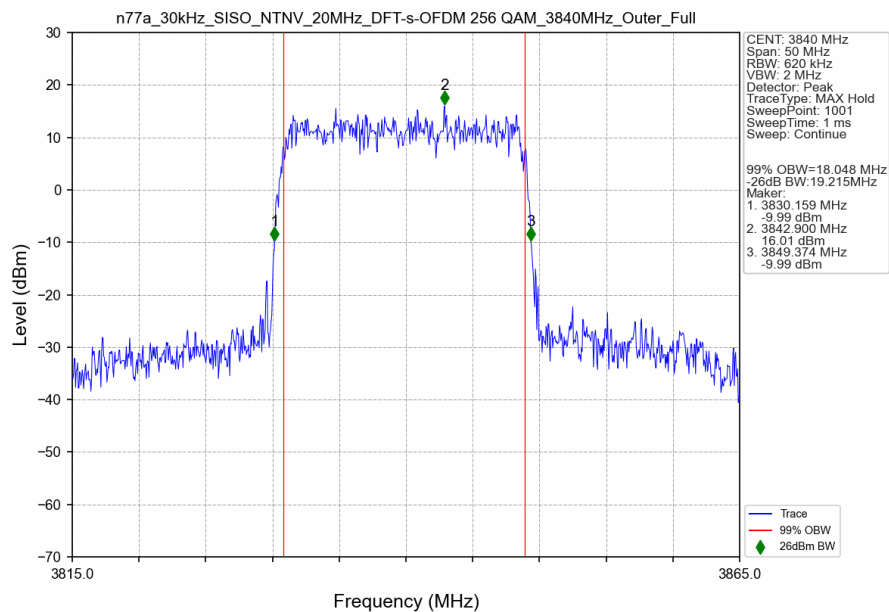
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



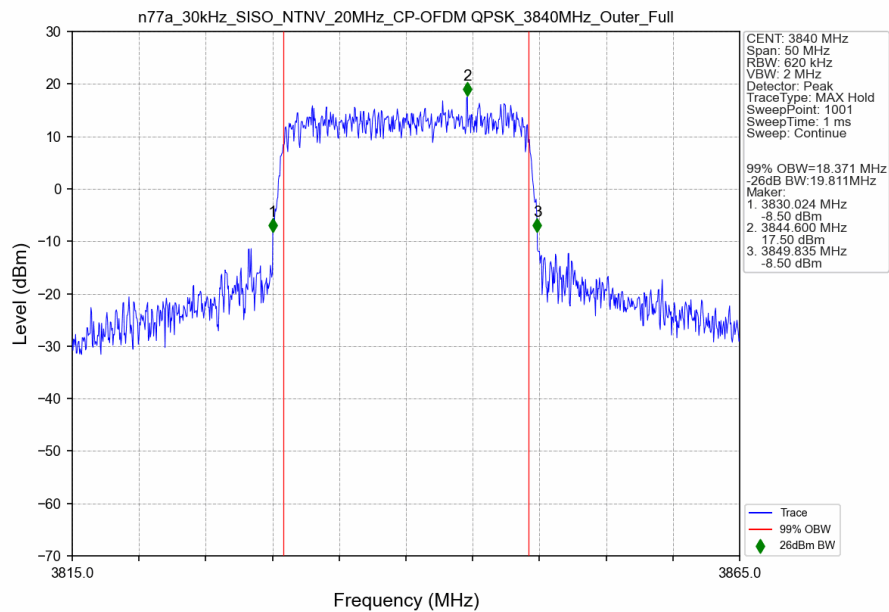
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



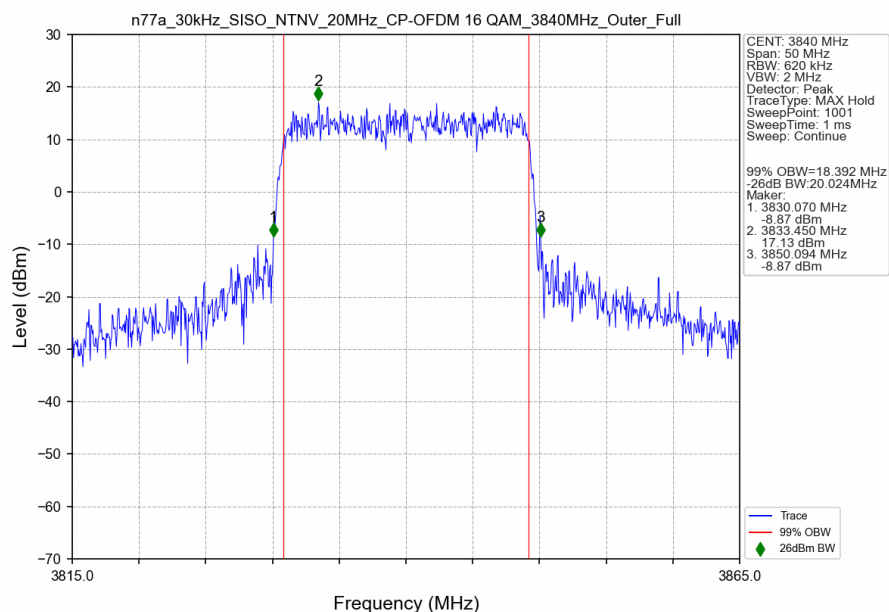
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full_Ant2



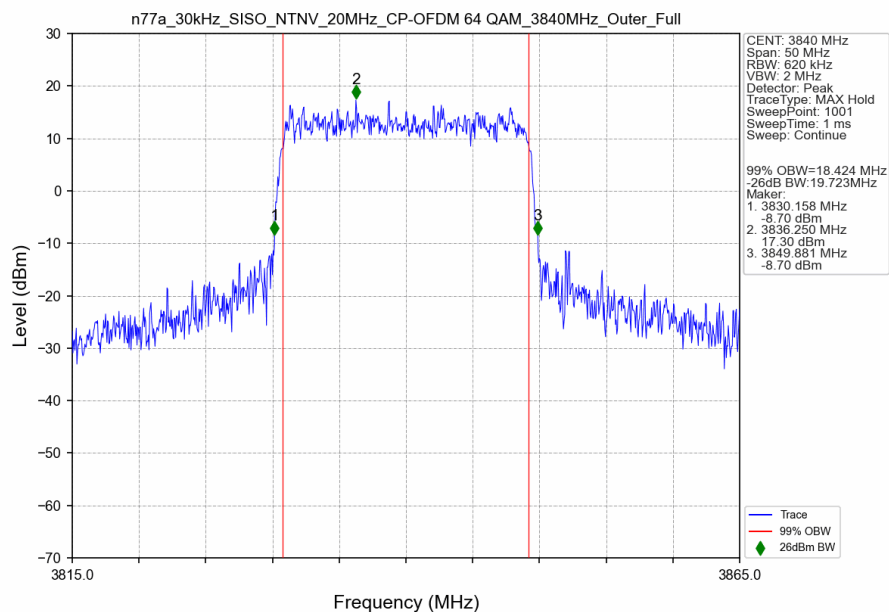
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant2



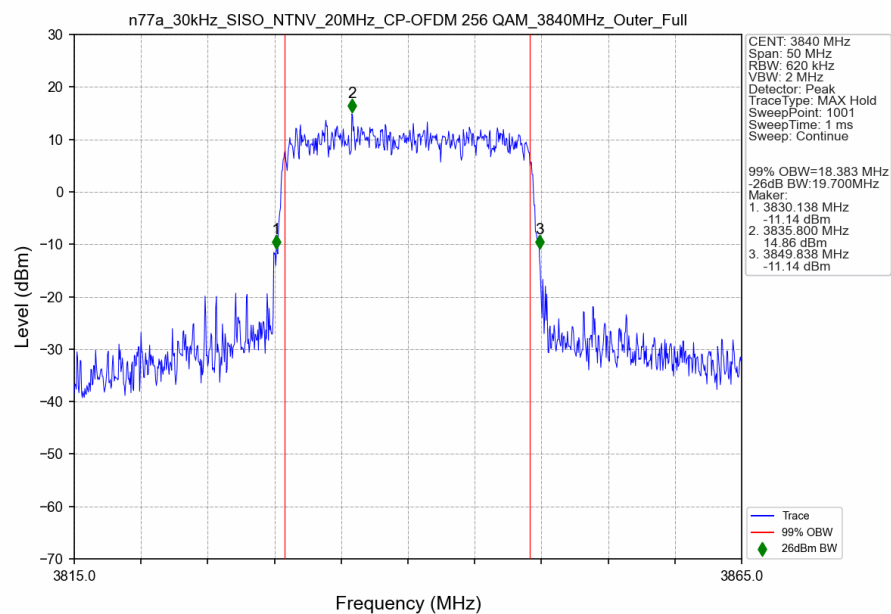
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



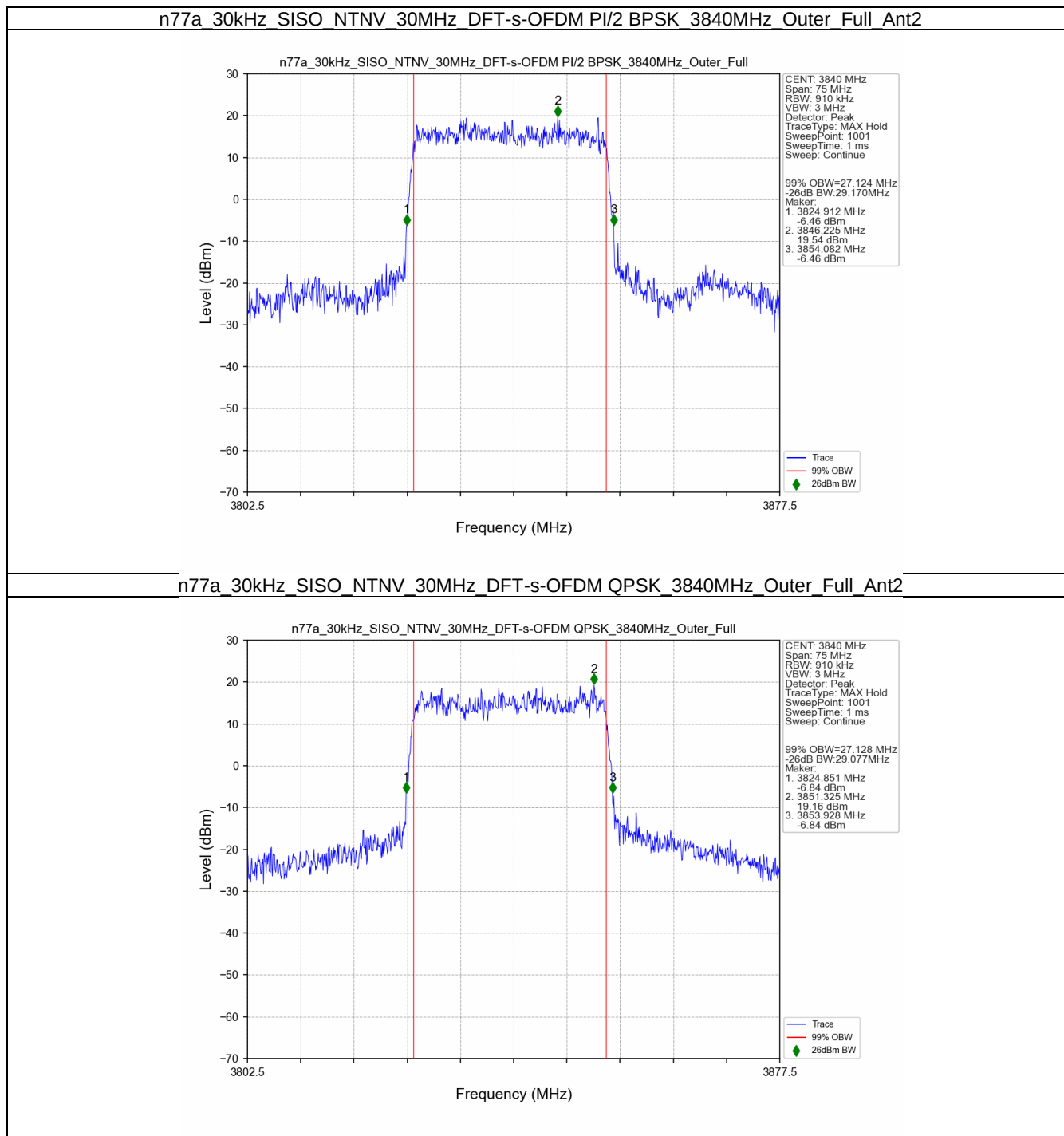
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



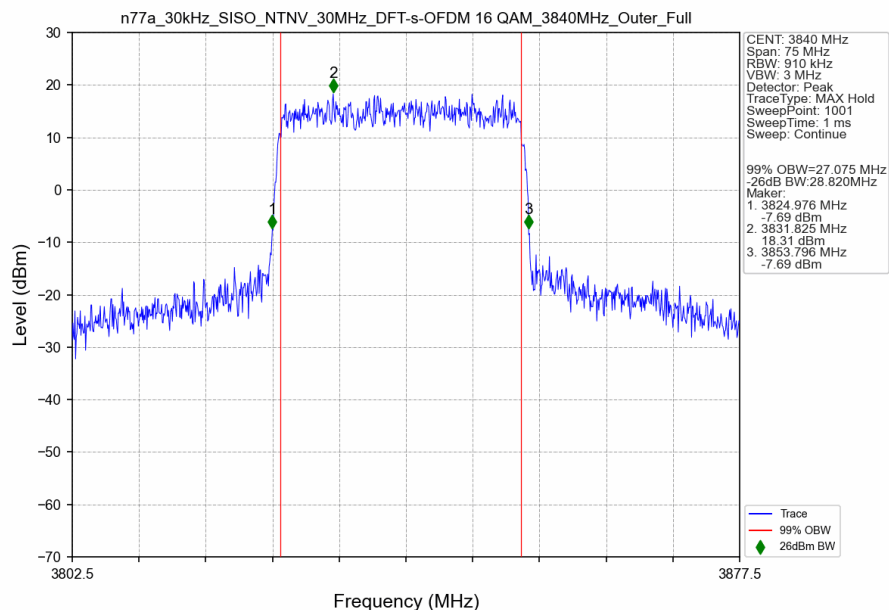
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full_Ant2



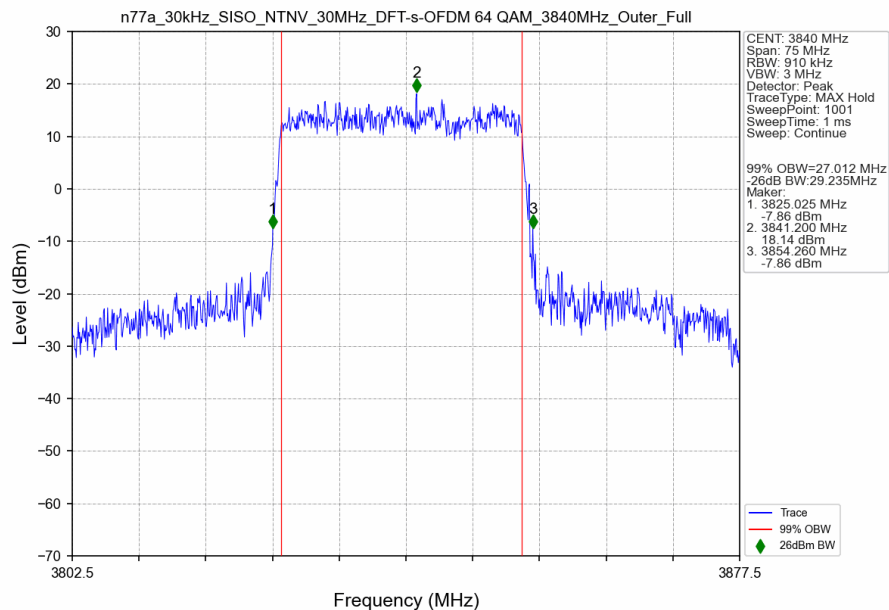
3.2.2 30_S_30M_NTNV



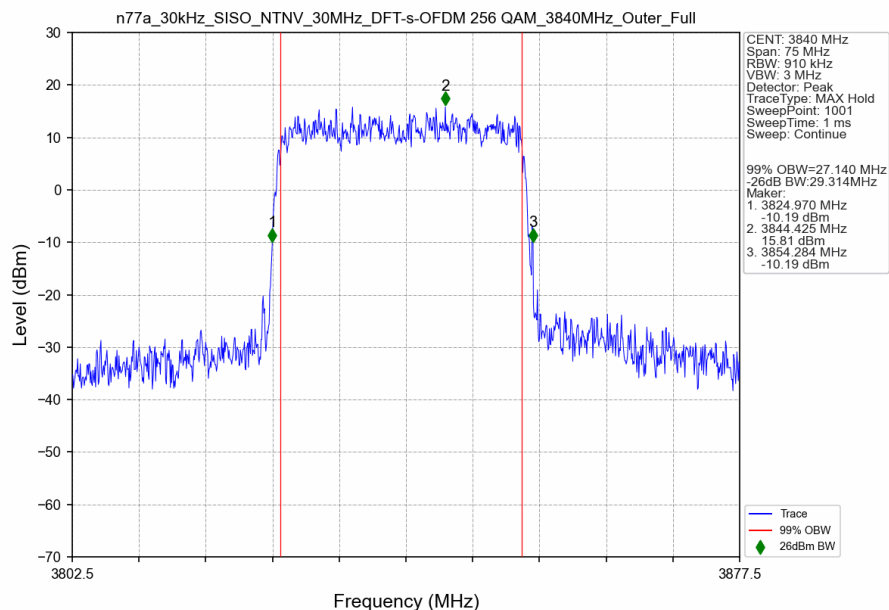
n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



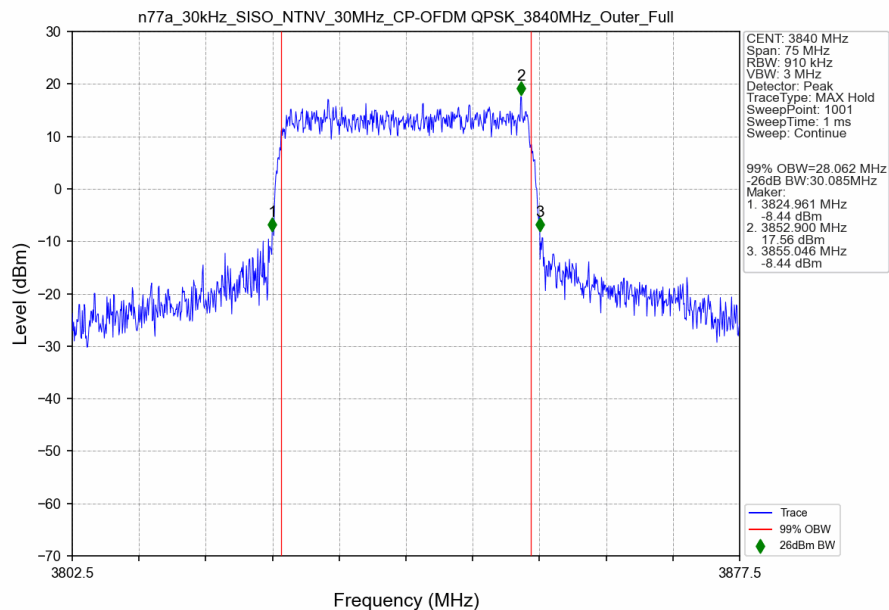
n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



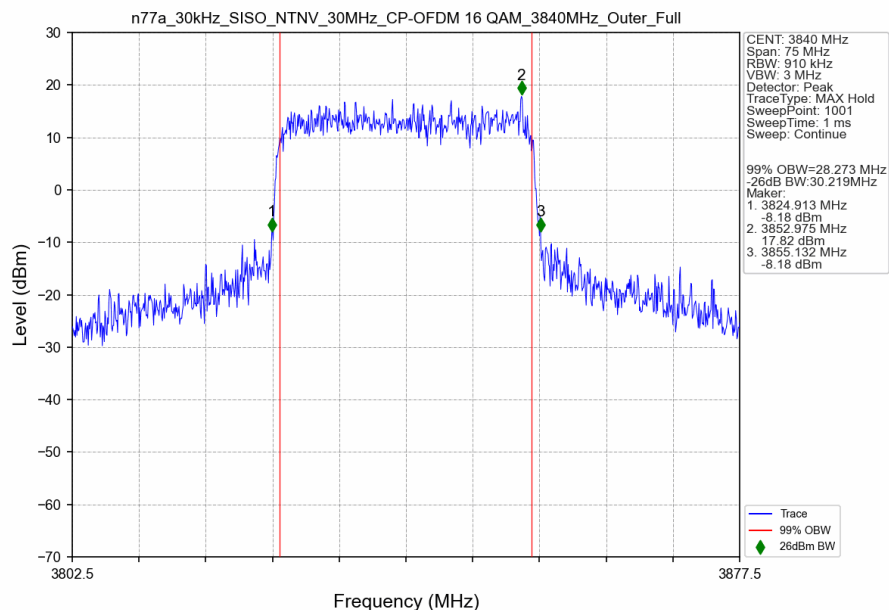
n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full_Ant2



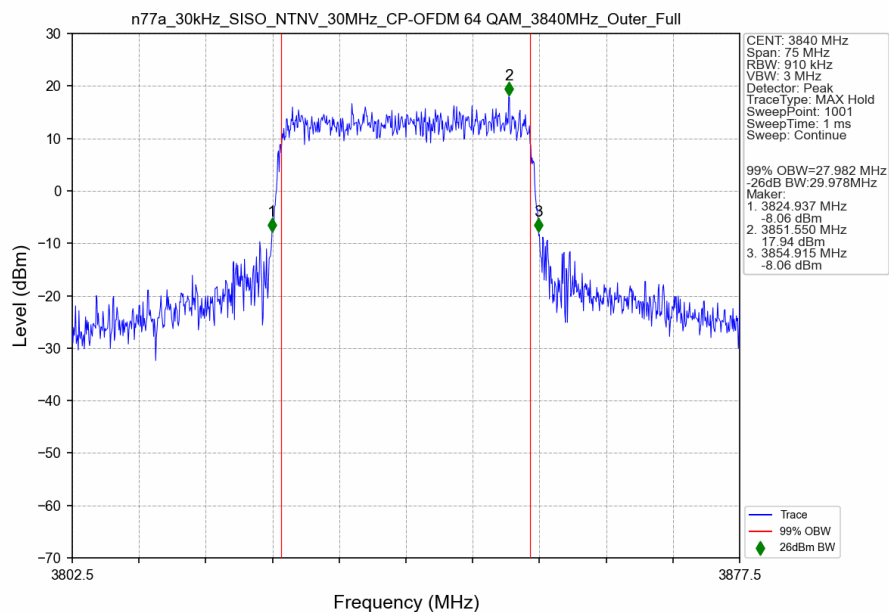
n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant2



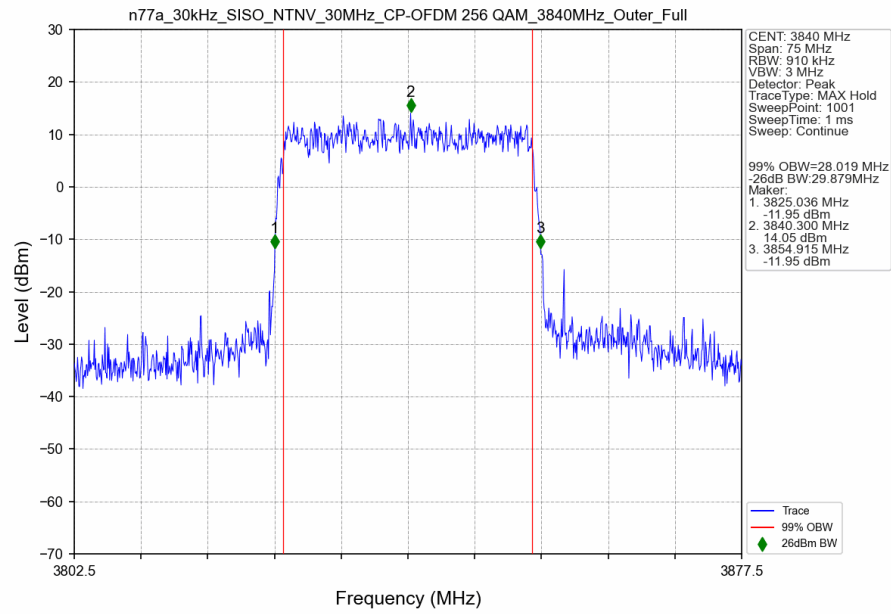
n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



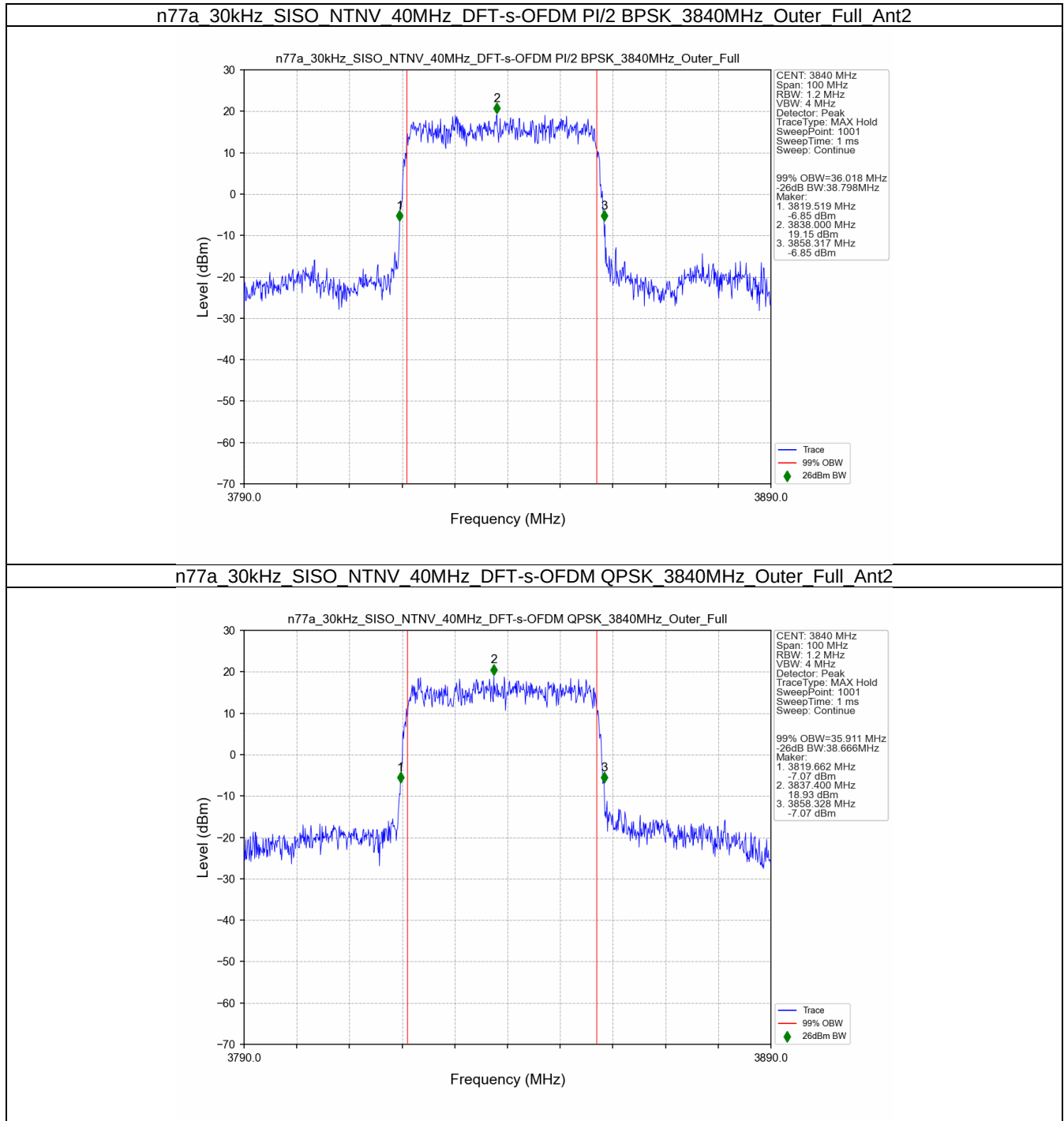
n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



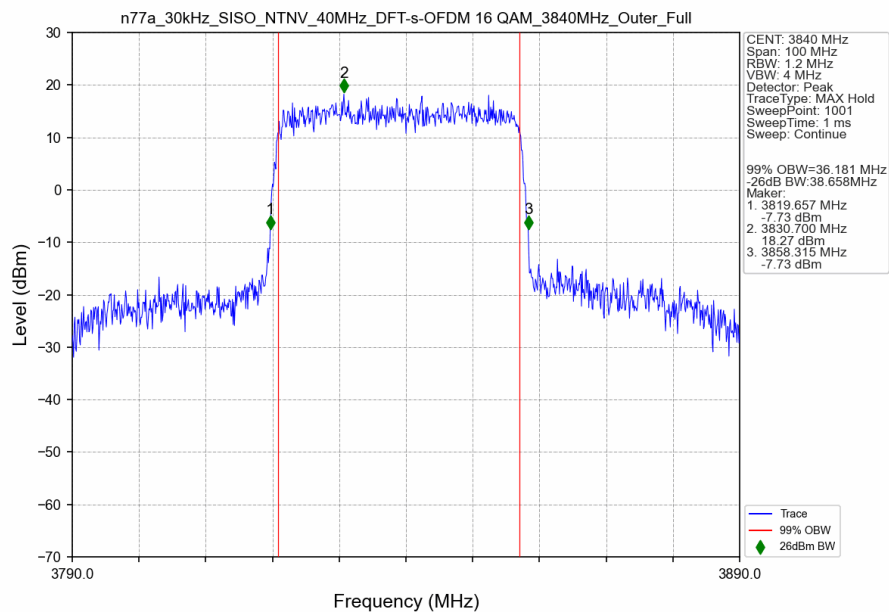
n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM 3840MHz_Outer_Full_Ant2



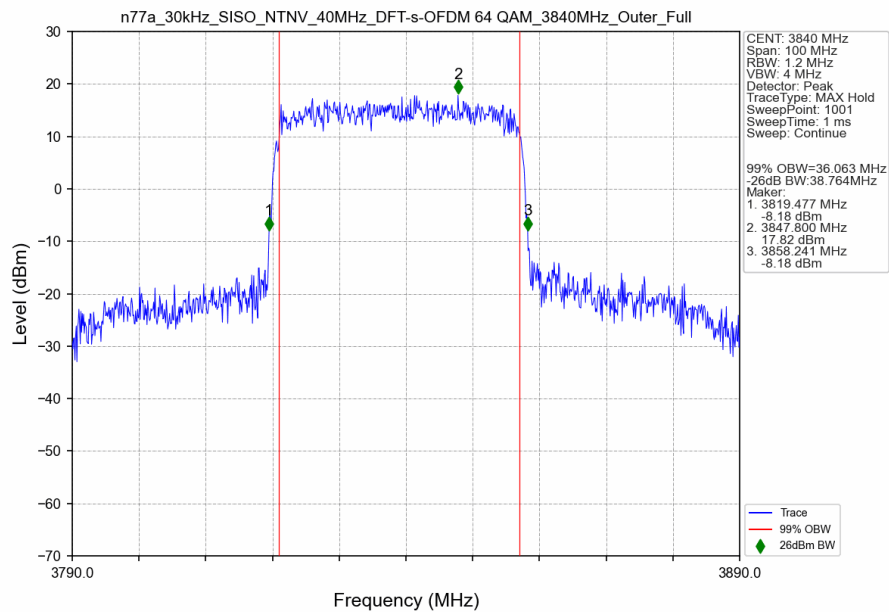
3.2.3 30_S_40M_NTNV



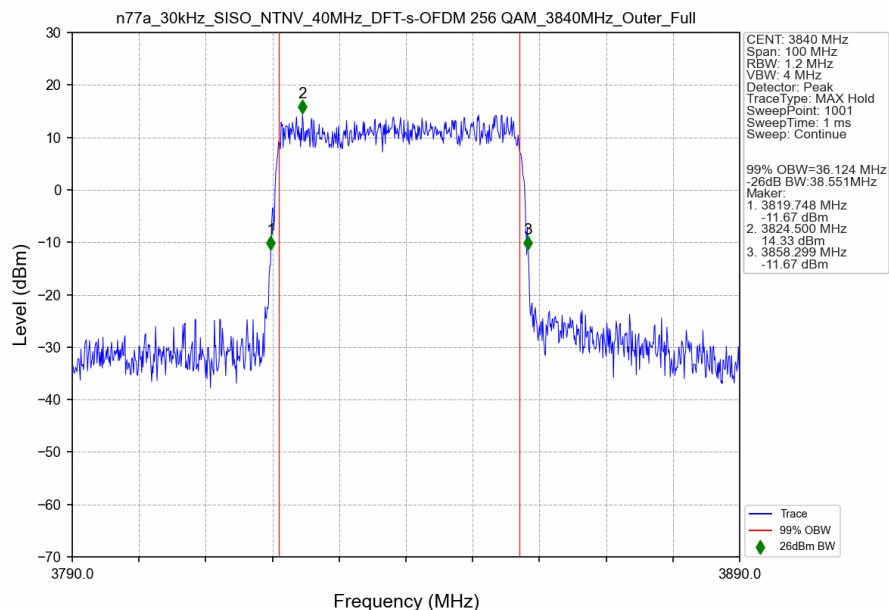
n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



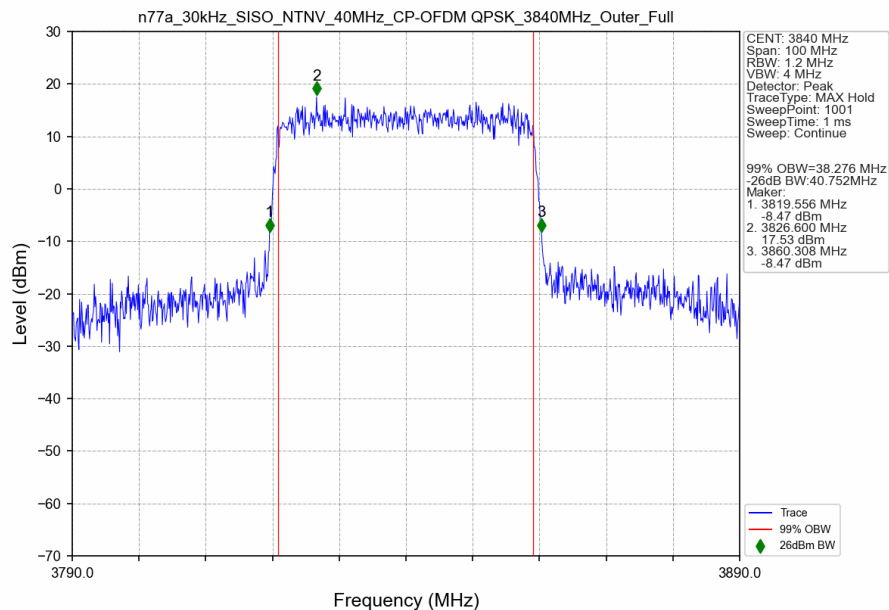
n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



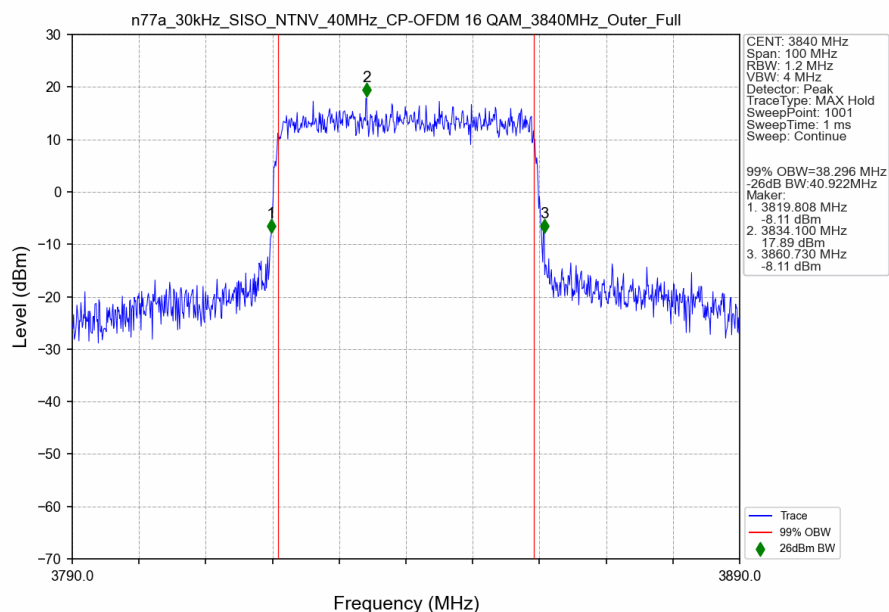
n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full_Ant2



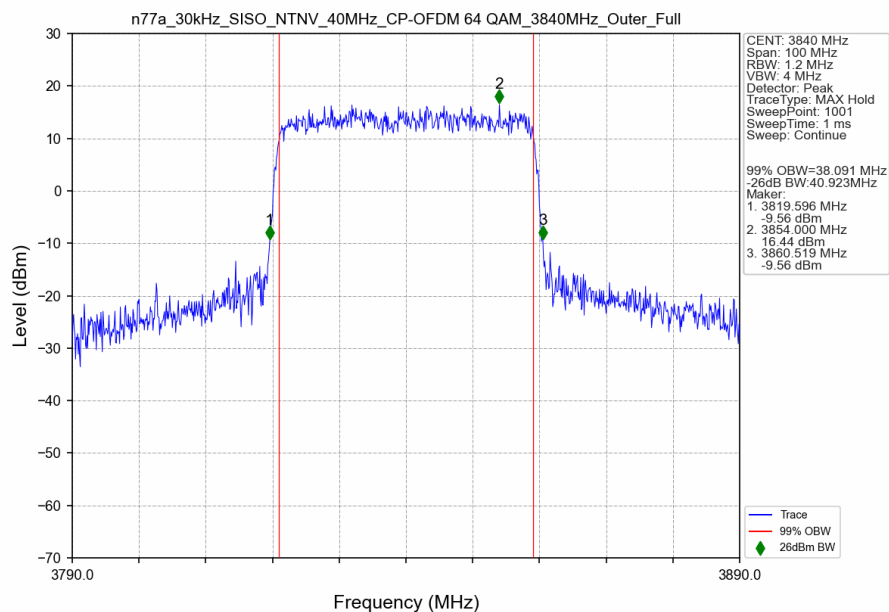
n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant2



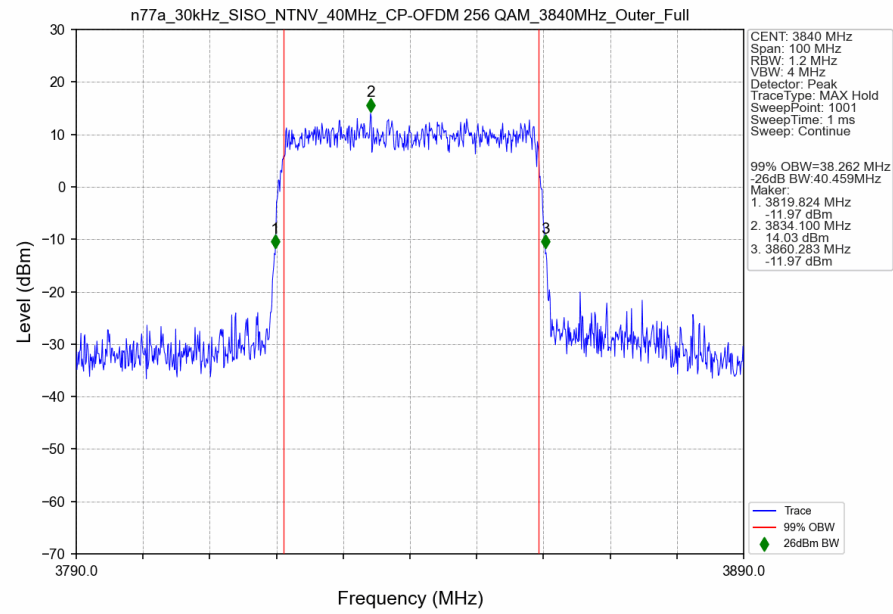
n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



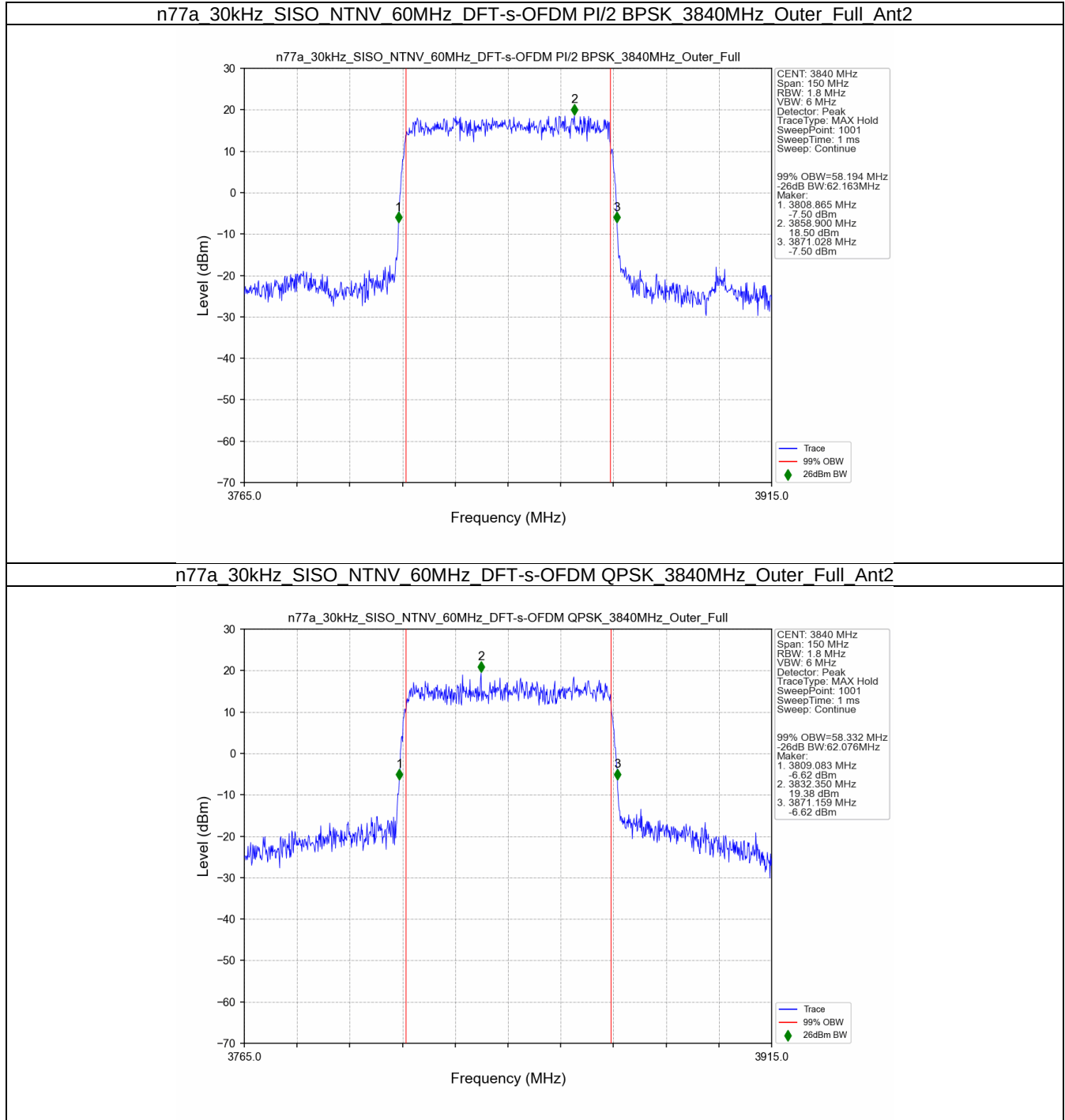
n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



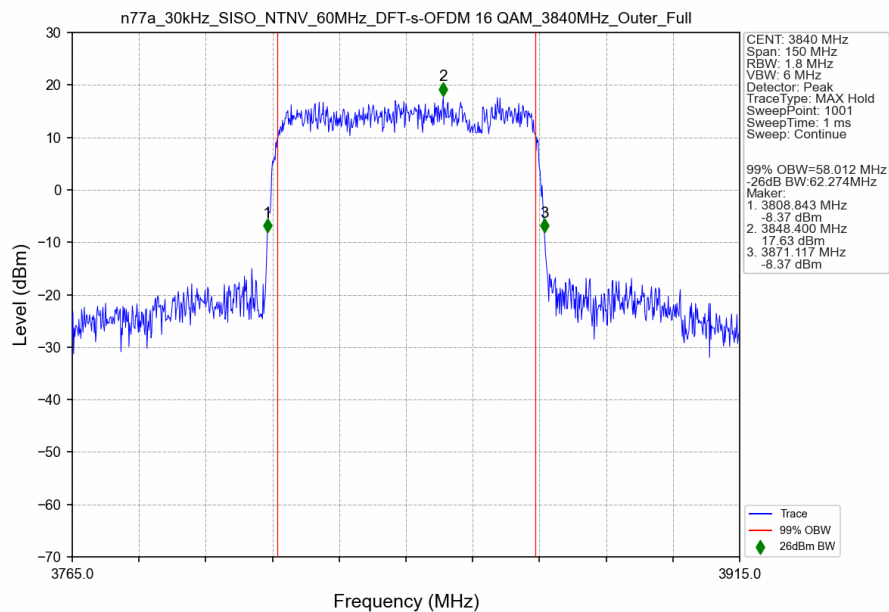
n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant2



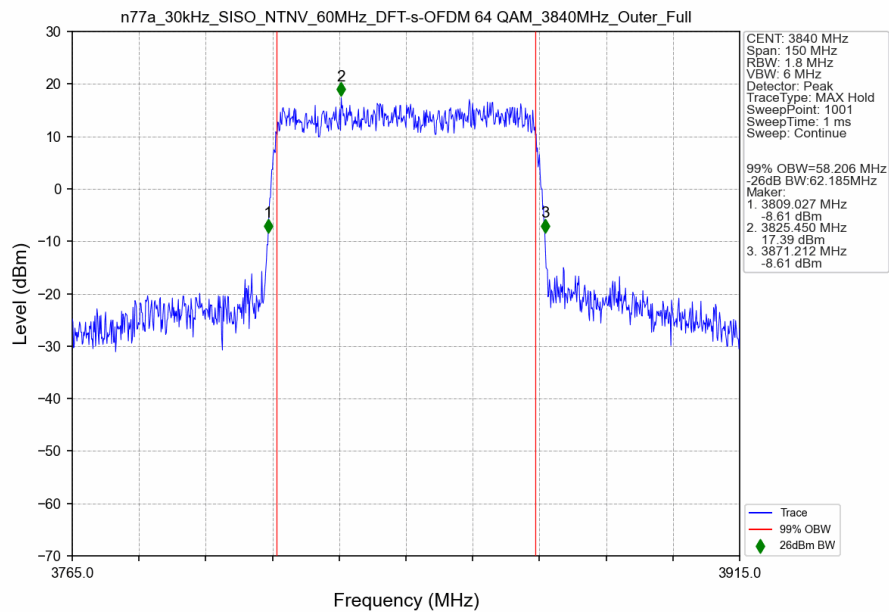
3.2.4 30_S_60M_NTNV



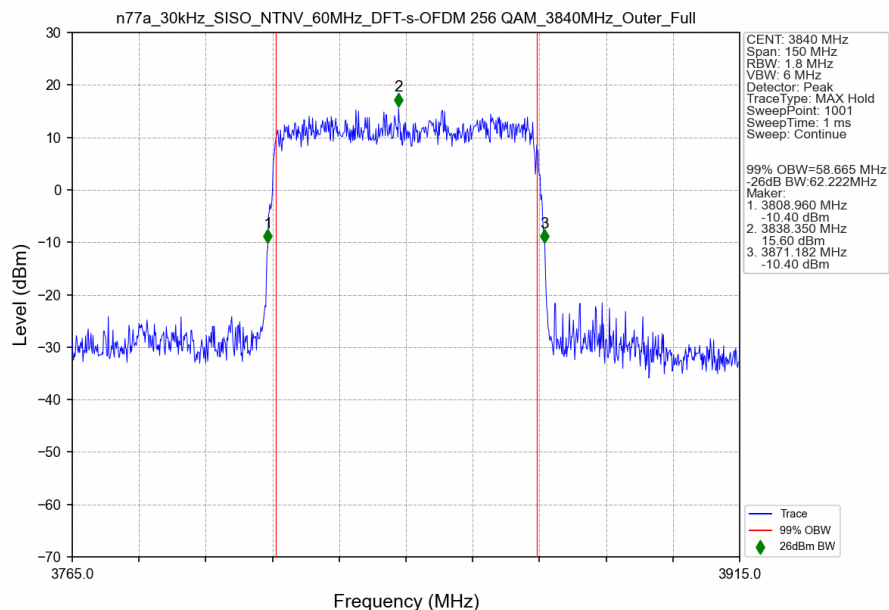
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



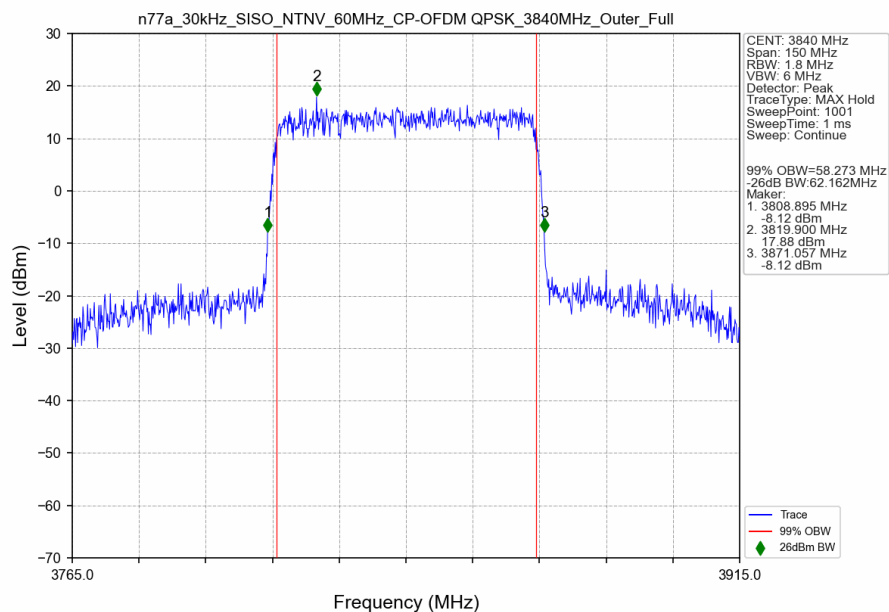
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



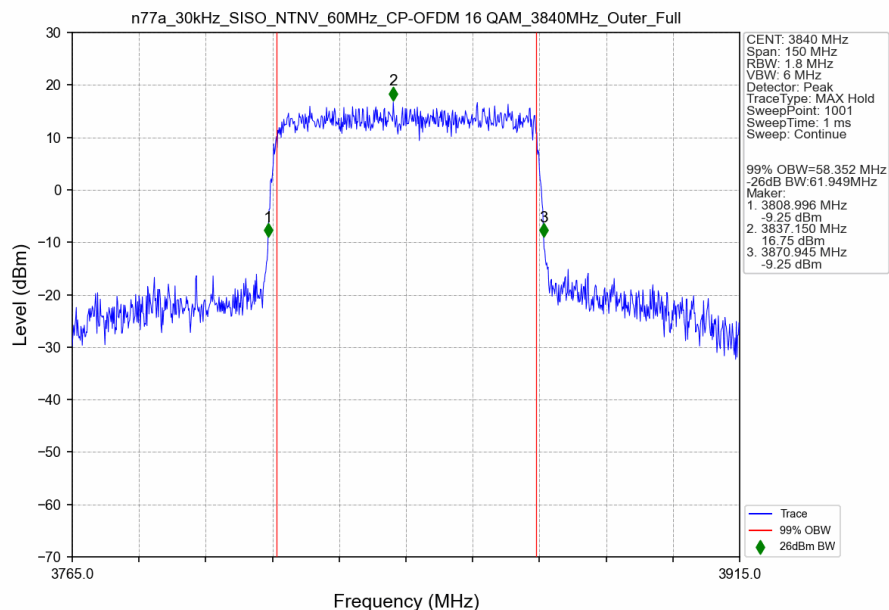
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full_Ant2



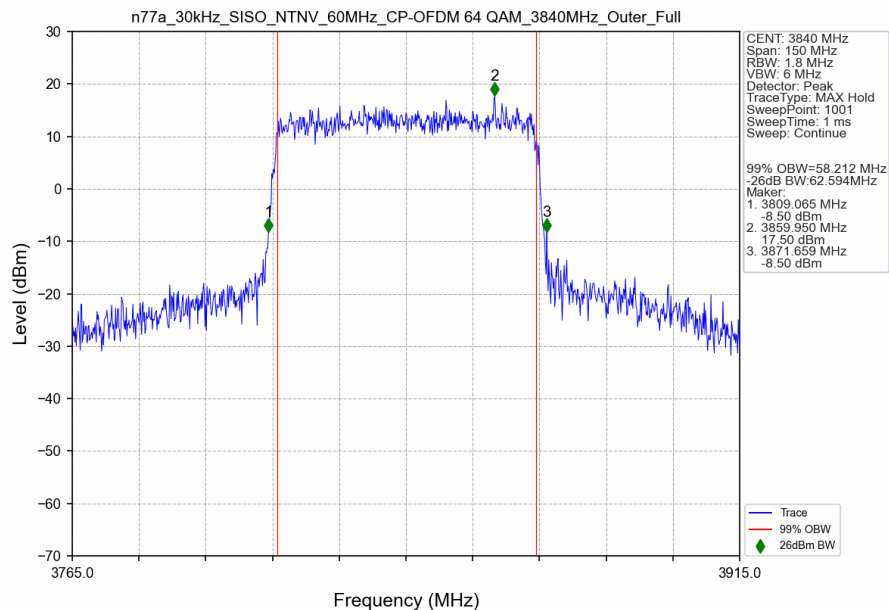
n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant2



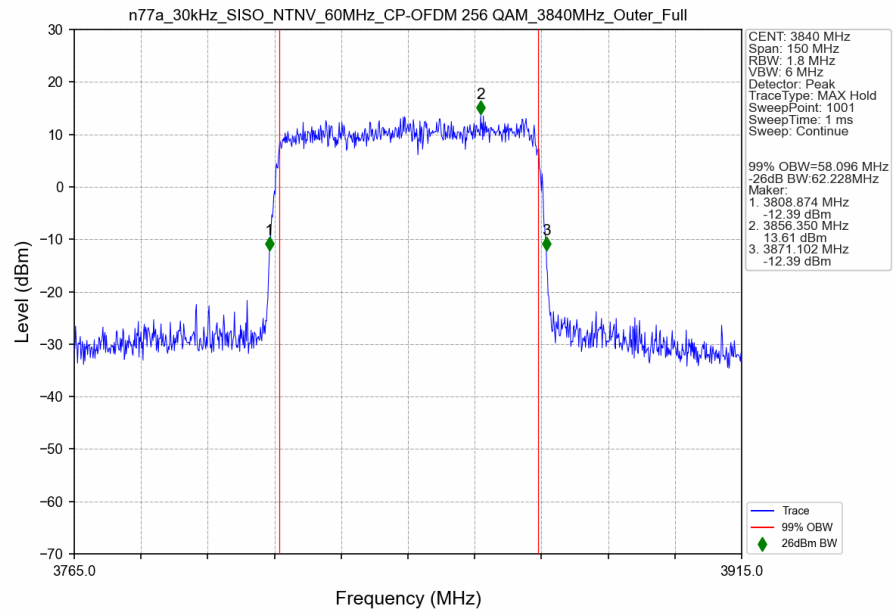
n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



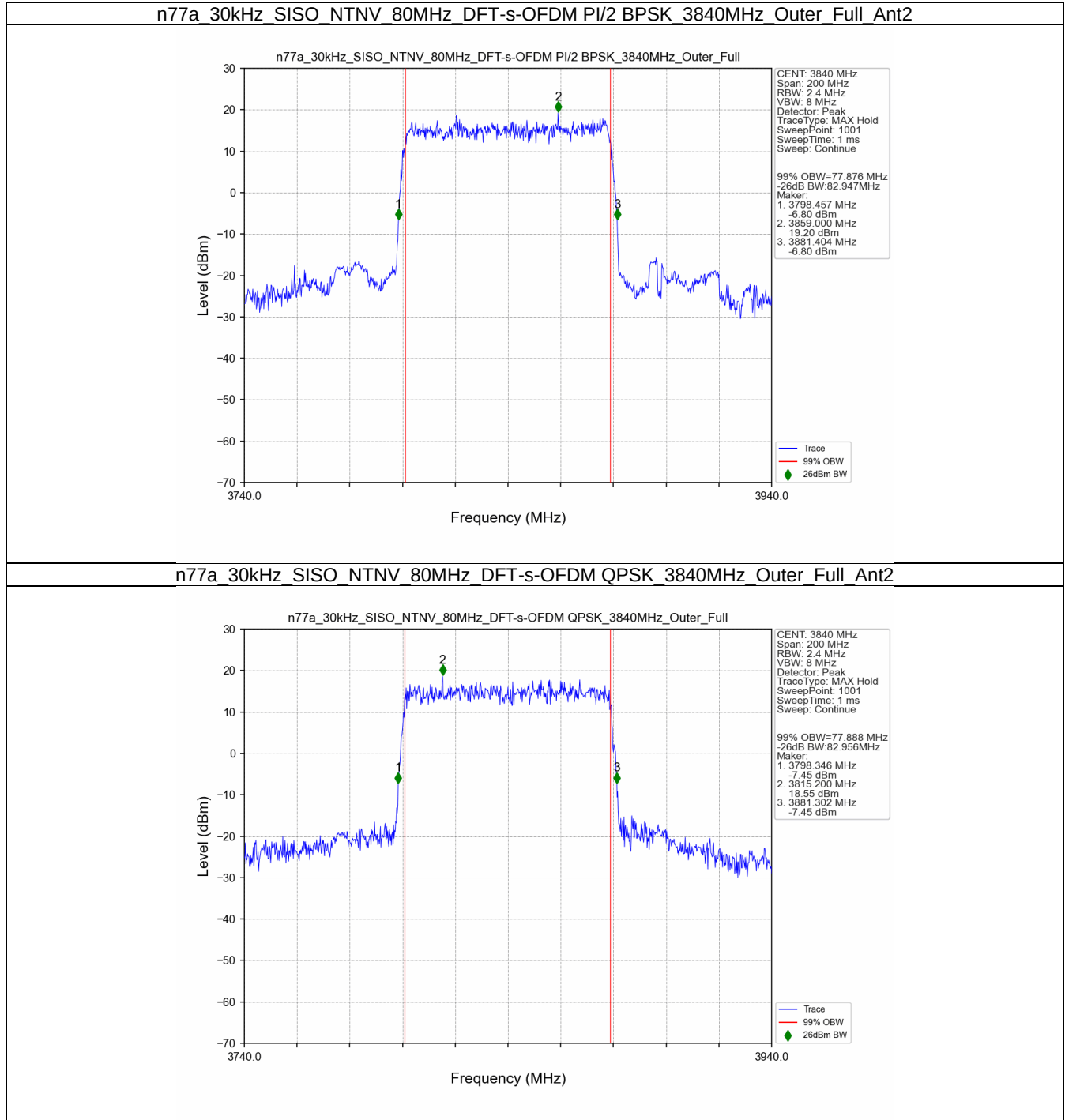
n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



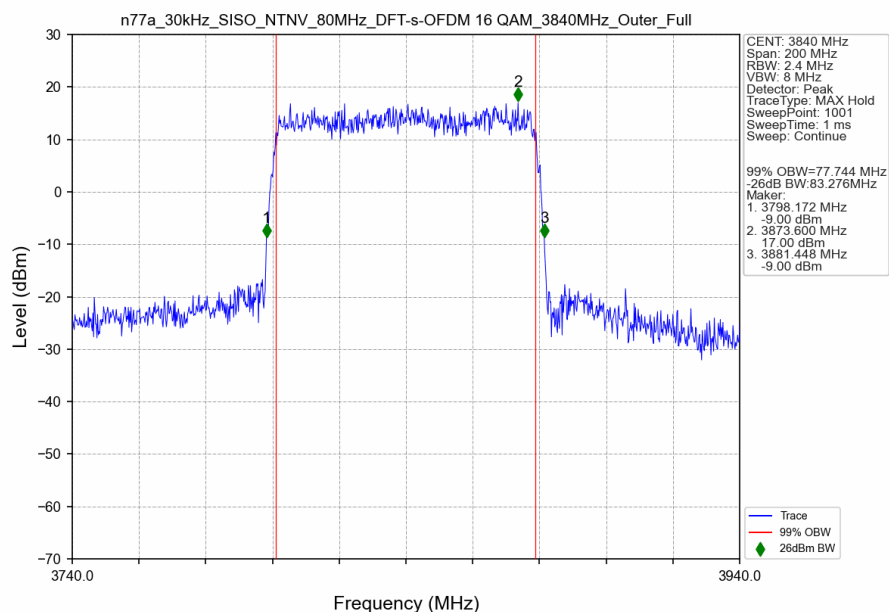
n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full_Ant2



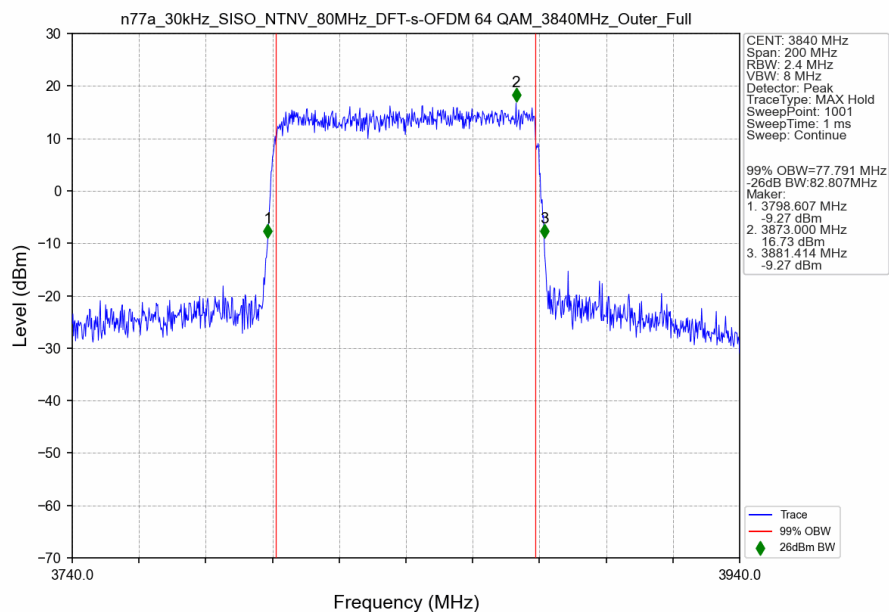
3.2.5 30_S_80M_NTNV



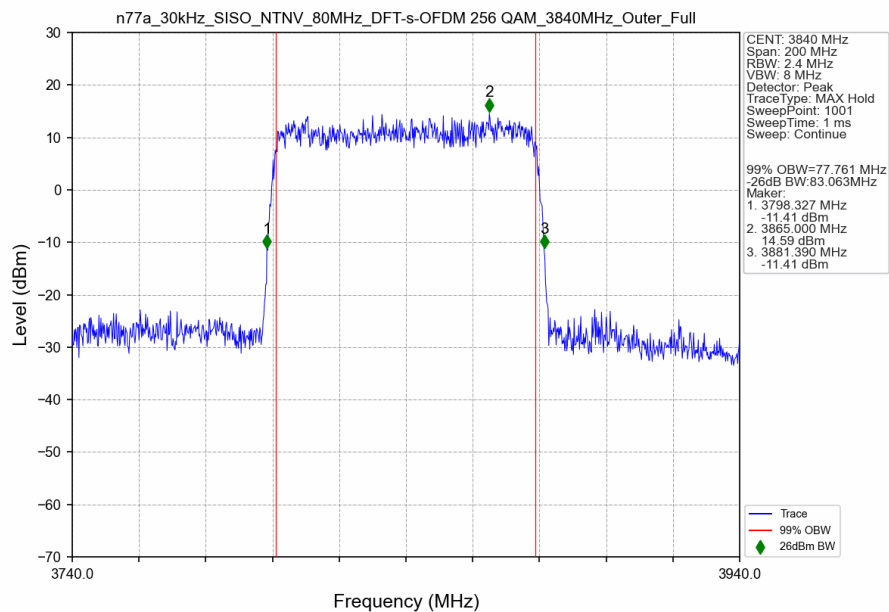
n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



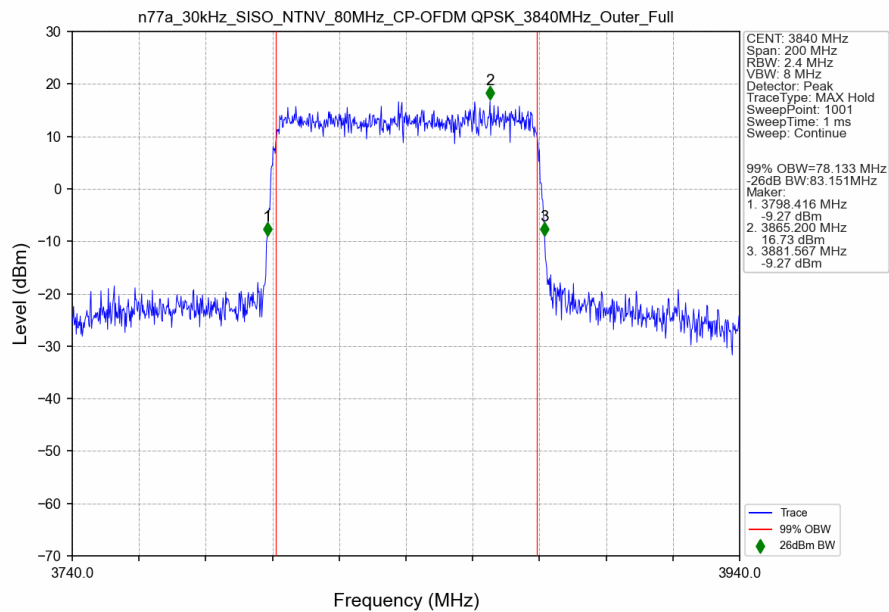
n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



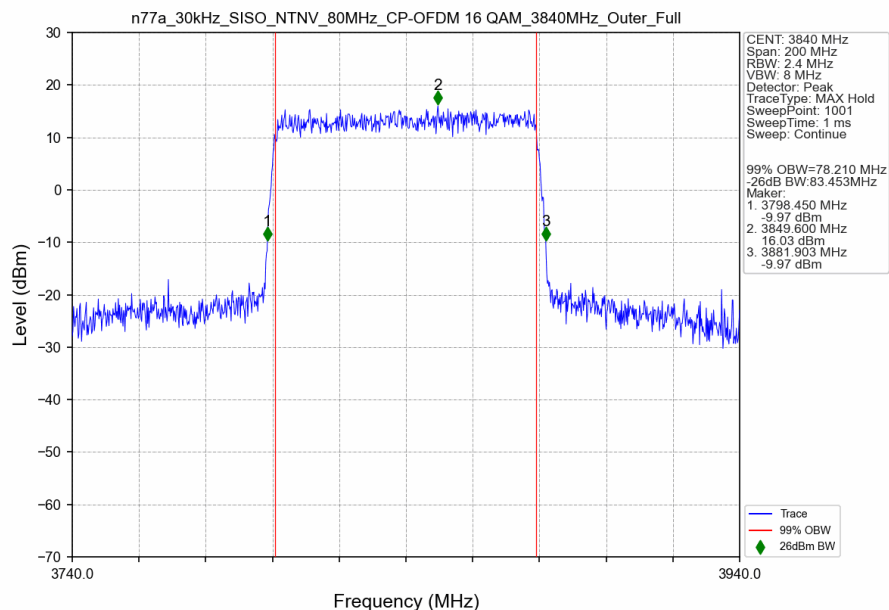
n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full_Ant2



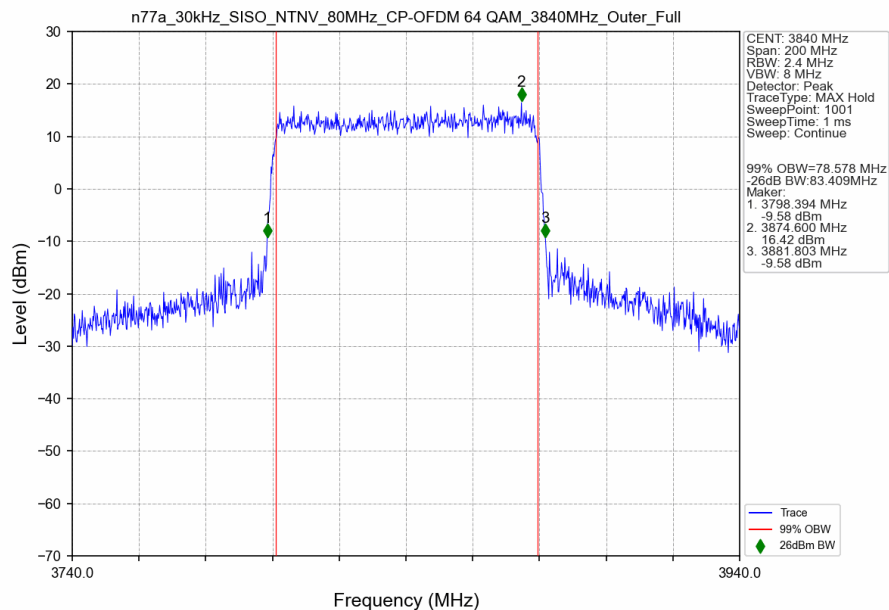
n77a_30kHz_SISO_NTNV_80MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant2



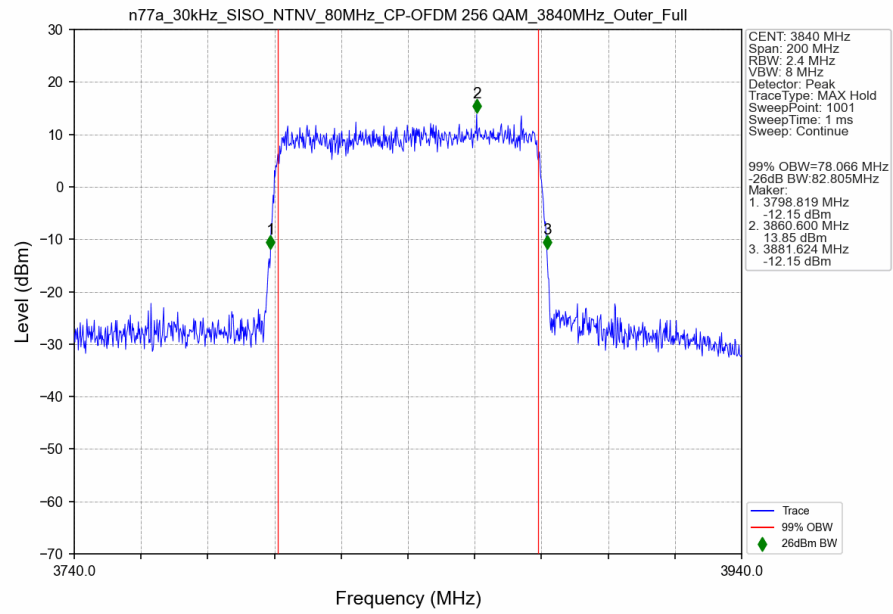
n77a_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



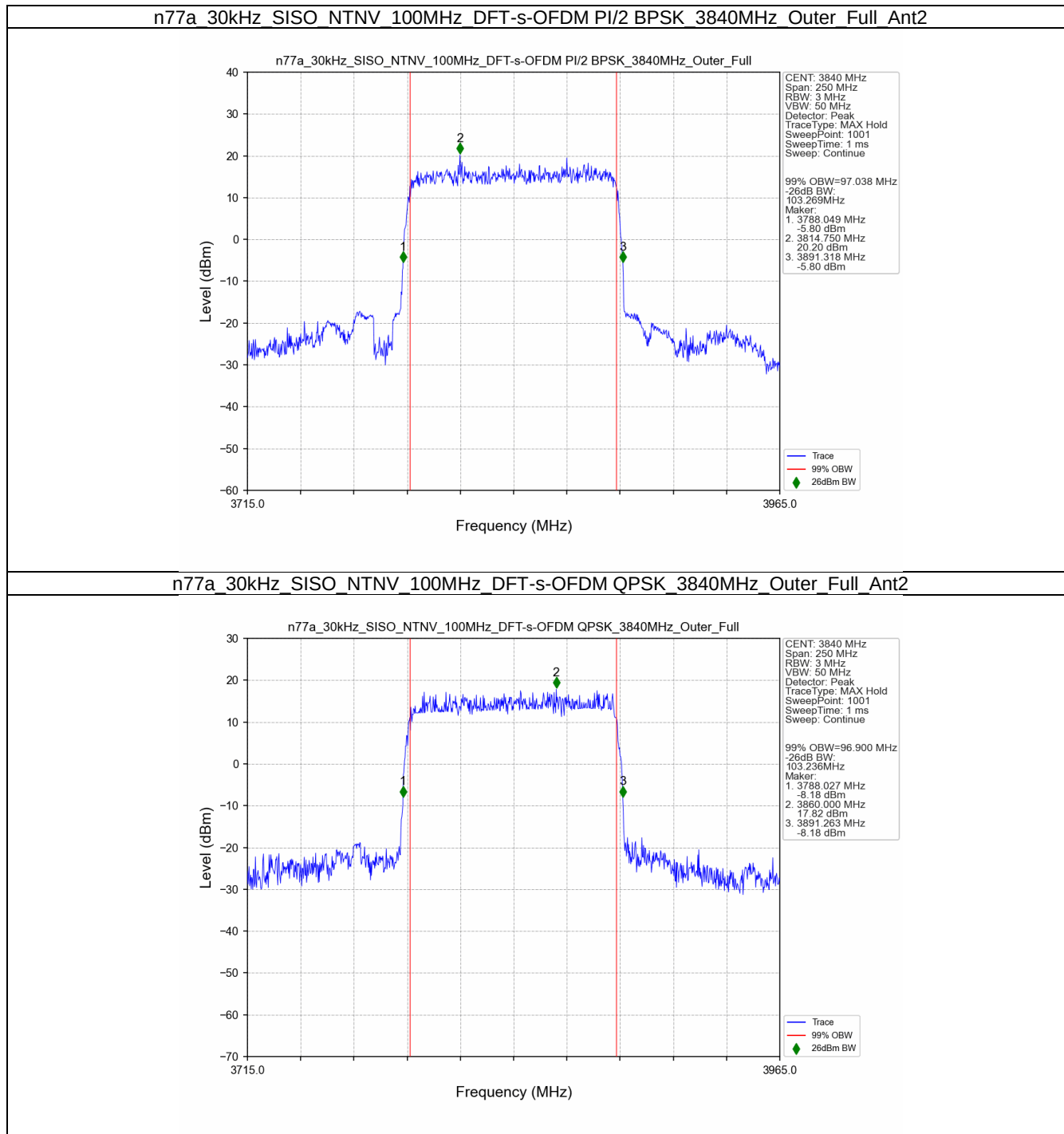
n77a_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



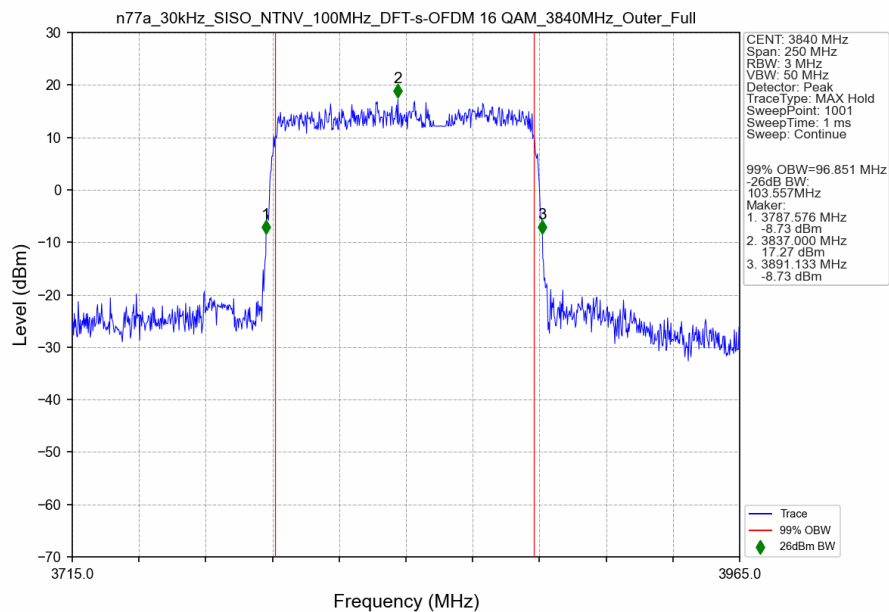
n77a_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant2



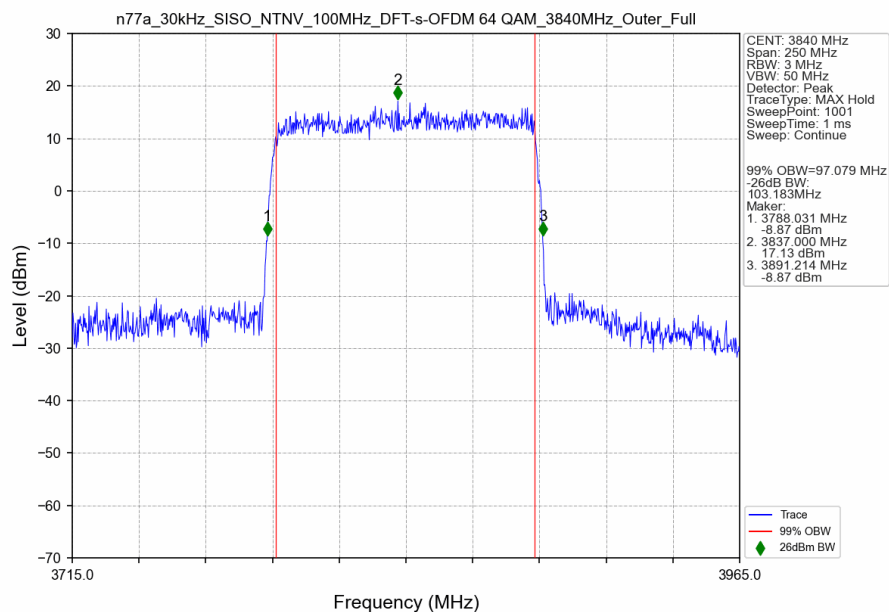
3.2.6 30_S_100M_NTNV



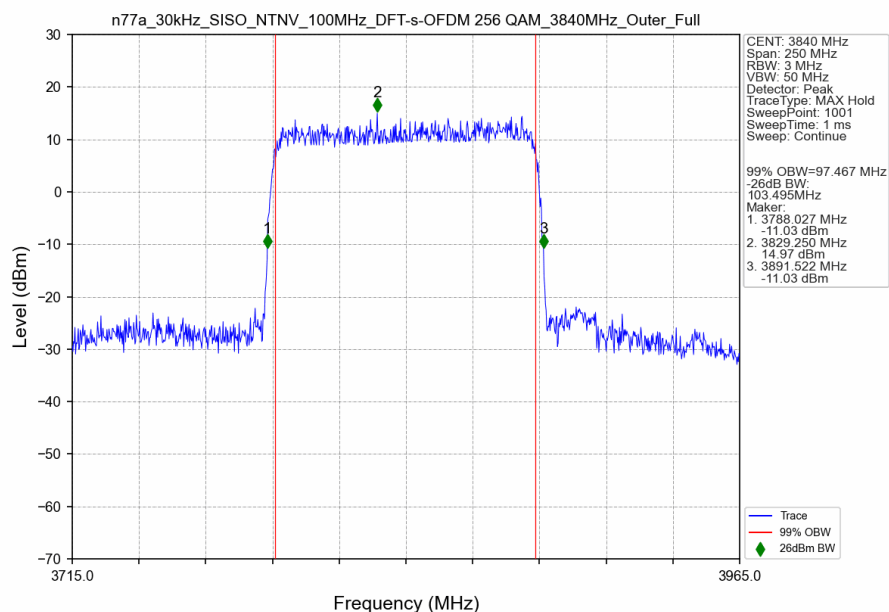
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



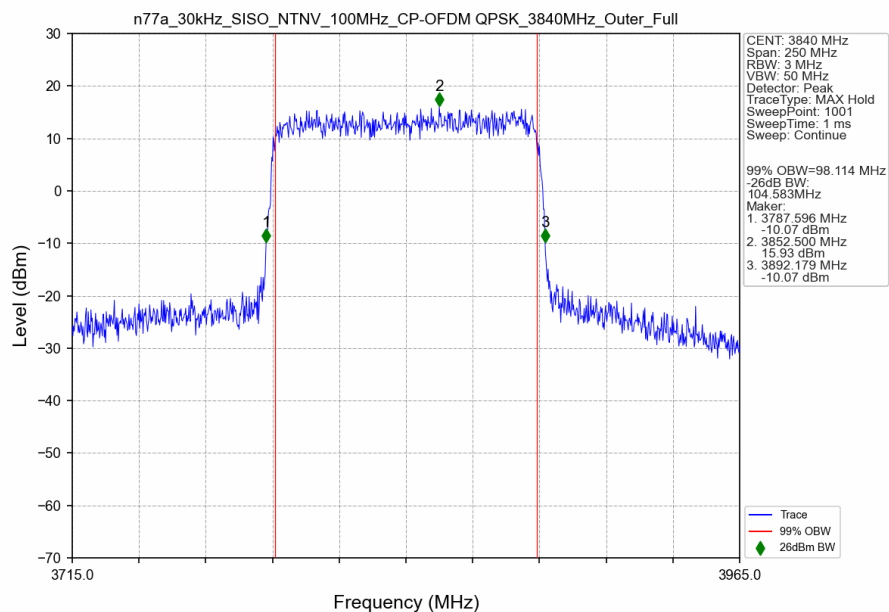
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



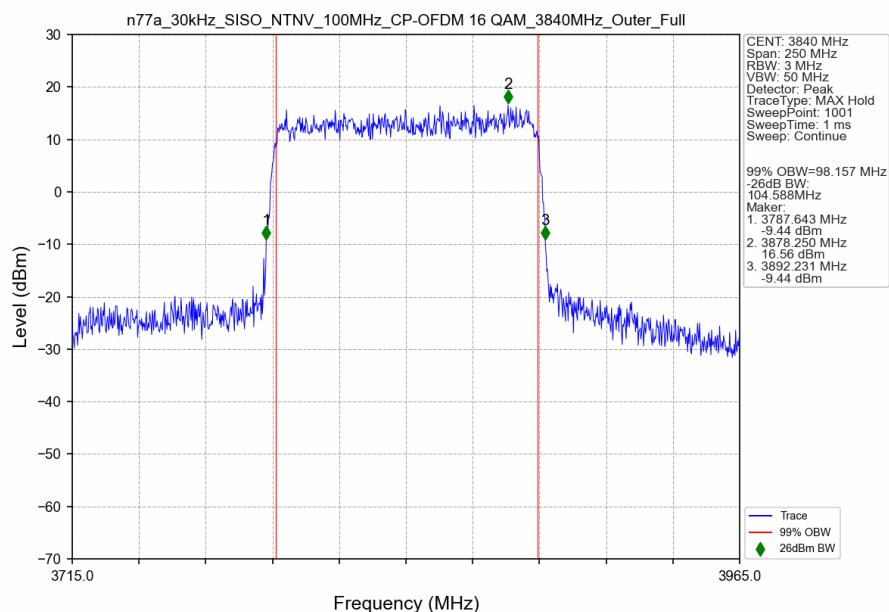
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full_Ant2



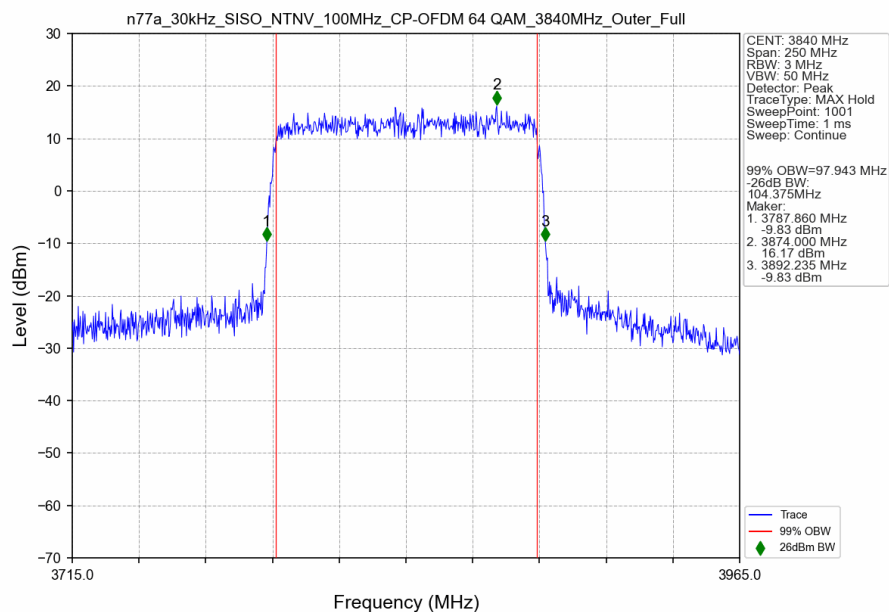
n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant2



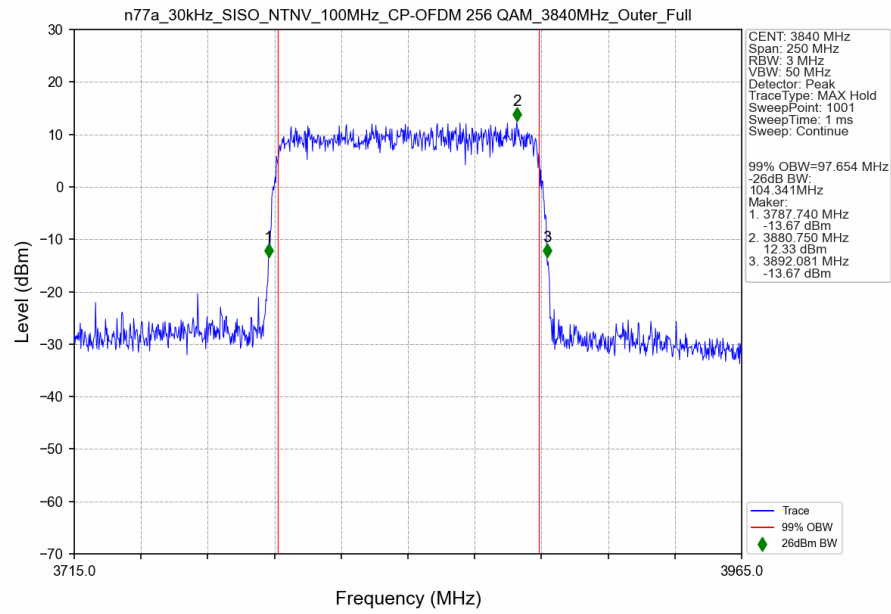
n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full_Ant2



n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant2



n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full_Ant2



4. Peak-Average Ratio

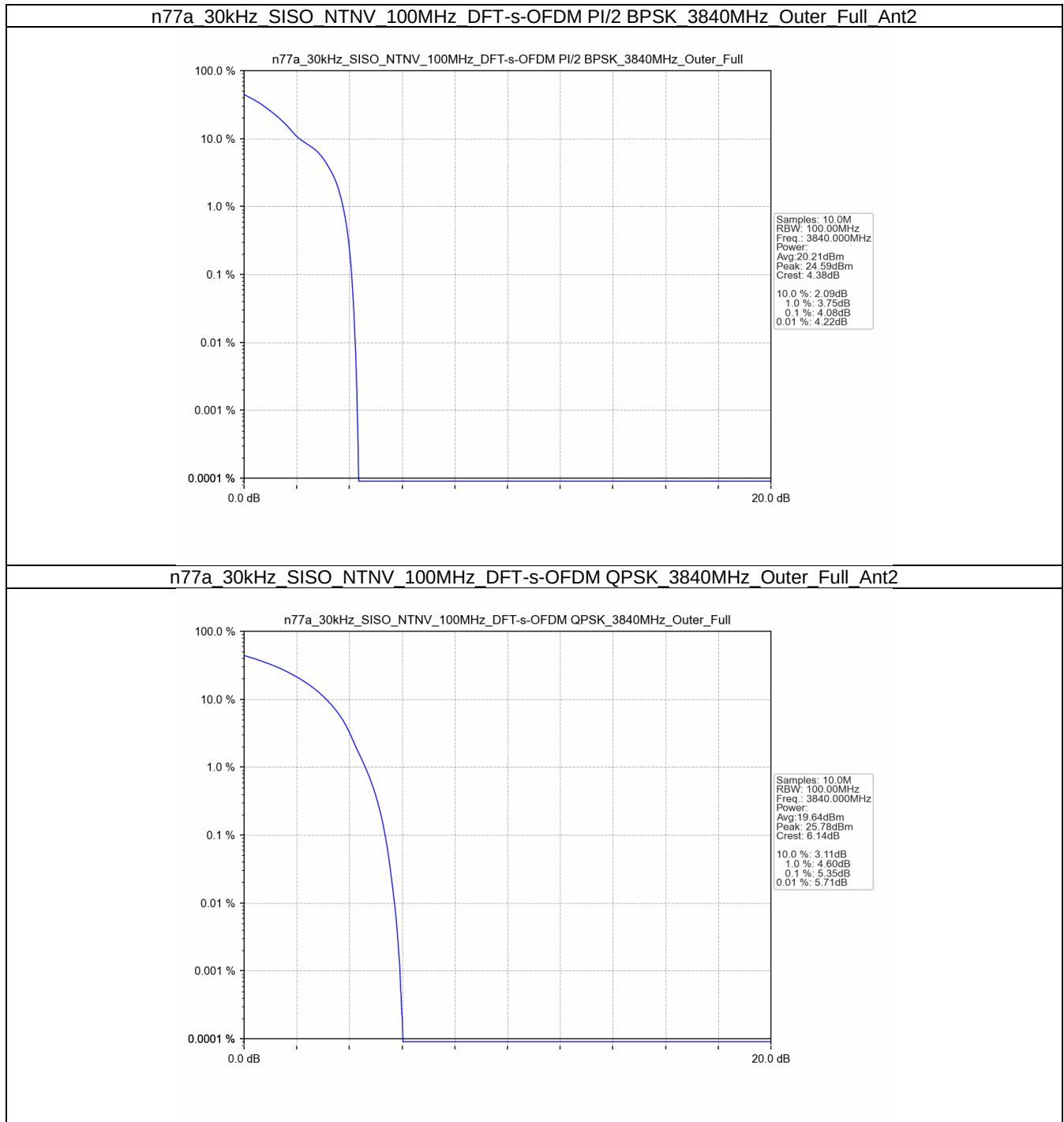
4.1 Test Result

4.1.1 30_S_100M_NTNV

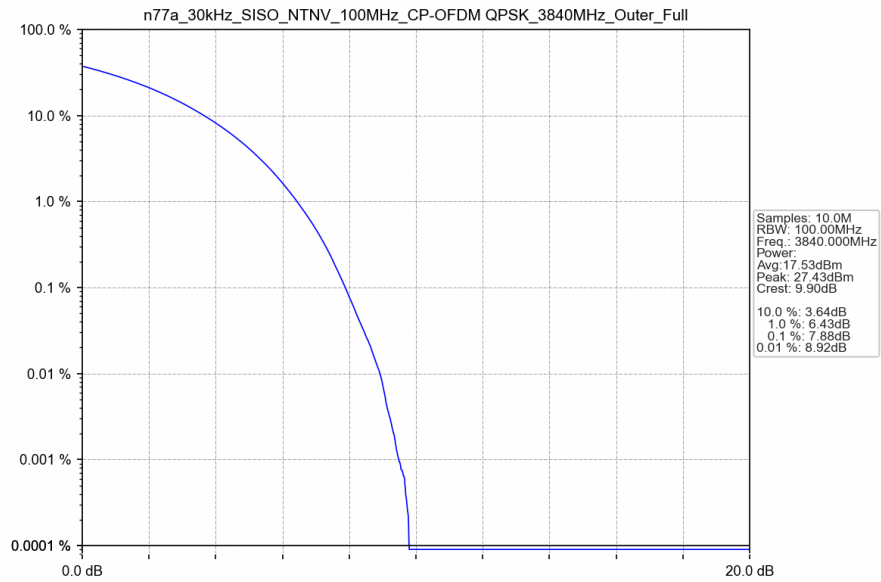
5G NR n77a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	4.08	/	/	<=13	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	5.35	/	/	<=13	Pass
CP-OFDM QPSK	3840	Outer_Full	7.88	/	/	<=13	Pass

4.2 Test Graph

4.2.1 30_S_100M_NTNV



n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant2



5. Spurious Emission

5.1 Test Result

5.1.1 30_S_20M_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		3969.99	Edge_1RB_Right	Refer To Test Graph			
			Outer_Full	Refer To Test Graph			
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		3969.99	Edge_1RB_Right	Refer To Test Graph			
			Outer_Full	Refer To Test Graph			
CP-OFDM QPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		3969.99	Edge_1RB_Right	Refer To Test Graph			
			Outer_Full	Refer To Test Graph			

5.1.2 30_S_60M_NTNV

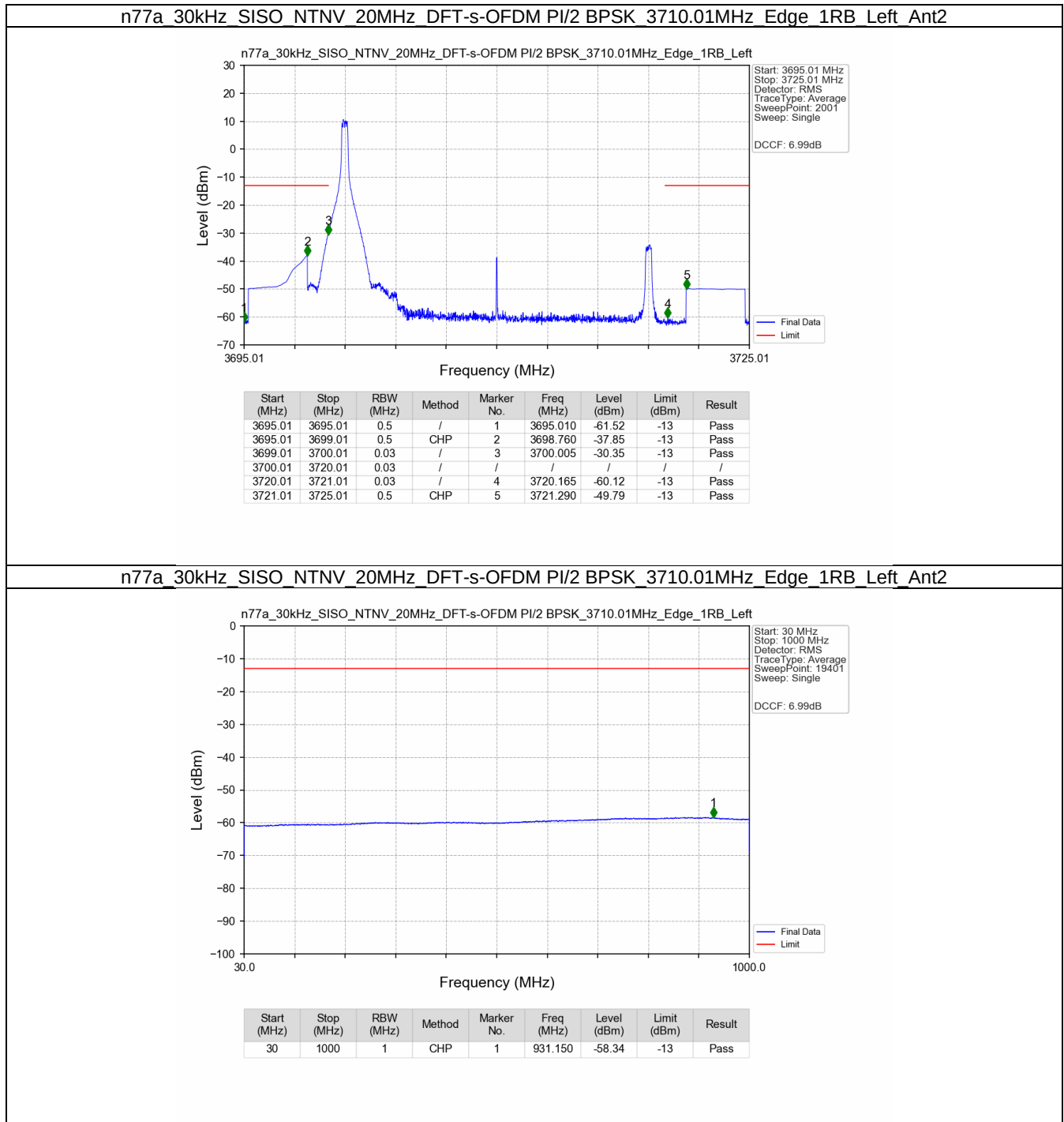
5G NR n77a SCS=30kHz SISO 60MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant2	Ant0	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3949.98	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3949.98	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3730.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3949.98	Outer_Full	Refer To Test Graph				Pass

5.1.3 30_S_100M_NTNV

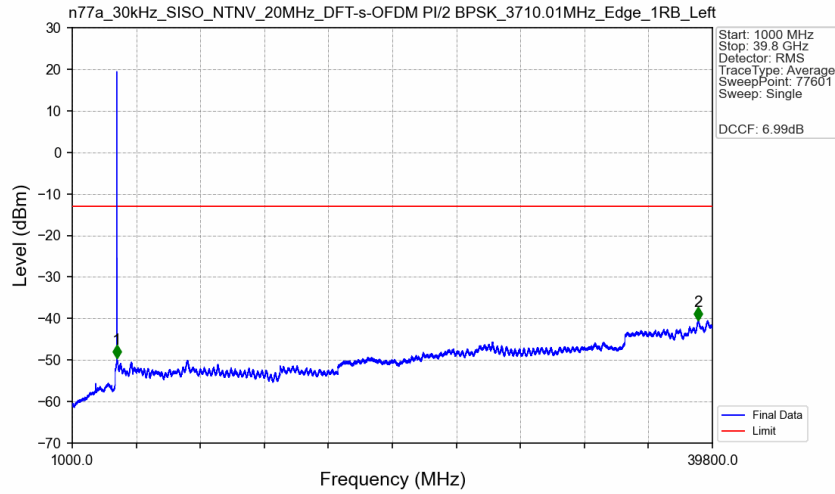
5G NR n77a SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			
			Ant2	Ant0	Sum	Limit
DFT-s-OFDM PI/2 BPSK	3750	Edge_1RB_Left	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
	3840	Edge_1RB_Left	Refer To Test Graph			
		Edge_1RB_Right	Refer To Test Graph			
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
	3840	Edge_1RB_Left	Refer To Test Graph			
		Edge_1RB_Right	Refer To Test Graph			
CP-OFDM QPSK	3750	Edge_1RB_Left	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
	3840	Edge_1RB_Left	Refer To Test Graph			
		Edge_1RB_Right	Refer To Test Graph			
CP-OFDM QPSK	3930	Edge_1RB_Left	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
	3930	Edge_1RB_Left	Refer To Test Graph			
		Edge_1RB_Right	Refer To Test Graph			
CP-OFDM QPSK	3930	Edge_1RB_Left	Refer To Test Graph			
		Outer_Full	Refer To Test Graph			
	3930	Edge_1RB_Left	Refer To Test Graph			
		Edge_1RB_Right	Refer To Test Graph			

5.2 Test Graph

5.2.1 30_S_20M_NTNV

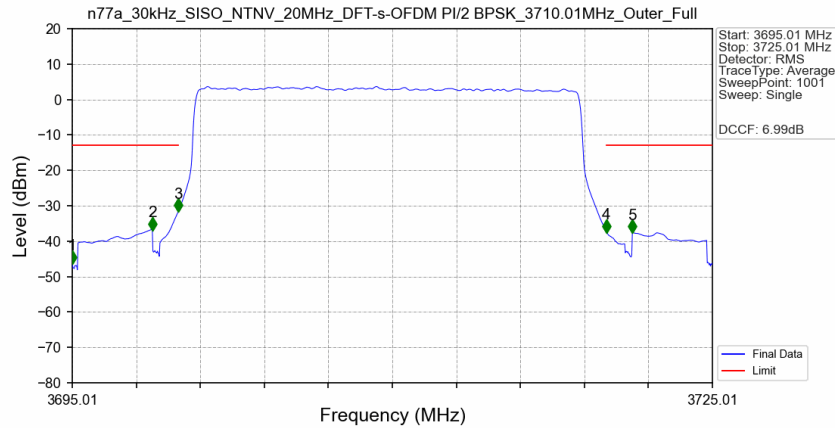


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Edge_1RB_Left_Ant2



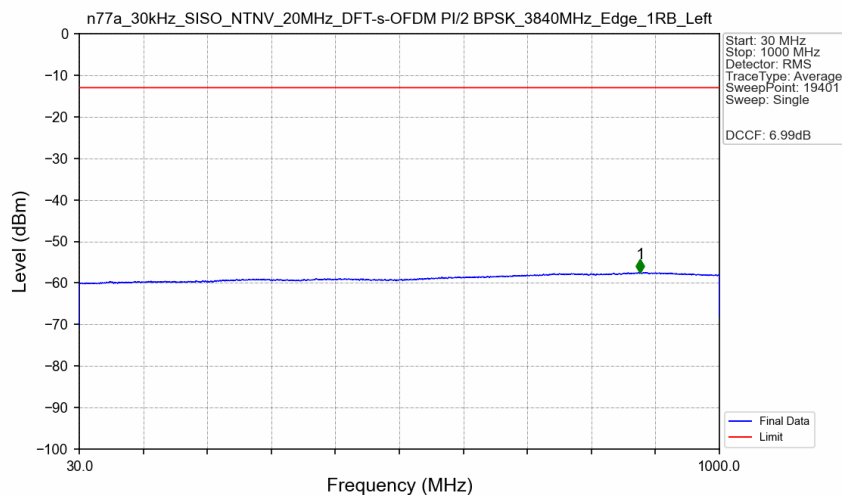
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.01	1	/	1	3691.500	-49.62	-13	Pass
3695.01	3725.01	1	/	/	/	/	/	/
3725.01	39800	1	/	2	38929.000	-40.47	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Outer_Full_Ant2

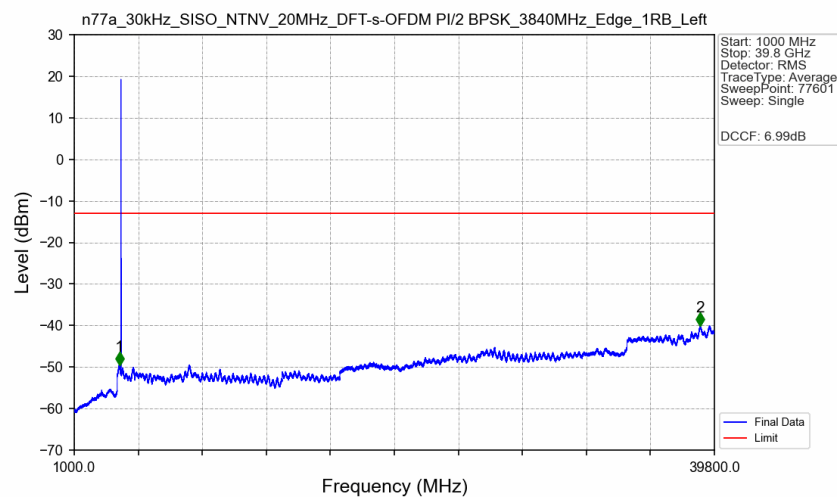


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.01	3695.01	0.5	/	1	3695.010	-46.06	-13	Pass
3695.01	3699.01	0.5	CHP	2	3698.760	-36.63	-13	Pass
3699.01	3700.01	0.19375	CHP	3	3699.990	-31.45	-13	Pass
3700.01	3720.01	0.19375	CHP	/	/	/	/	/
3720.01	3721.01	0.19375	CHP	4	3720.030	-37.26	-13	Pass
3721.01	3725.01	0.5	CHP	5	3721.260	-37.44	-13	Pass

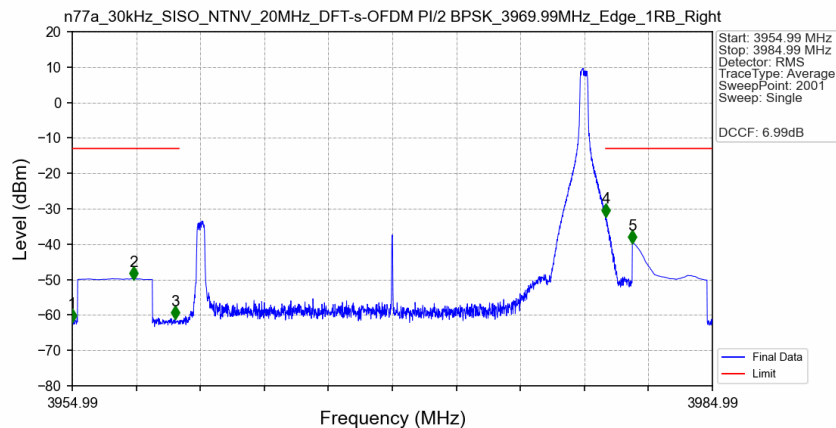
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left_Ant2



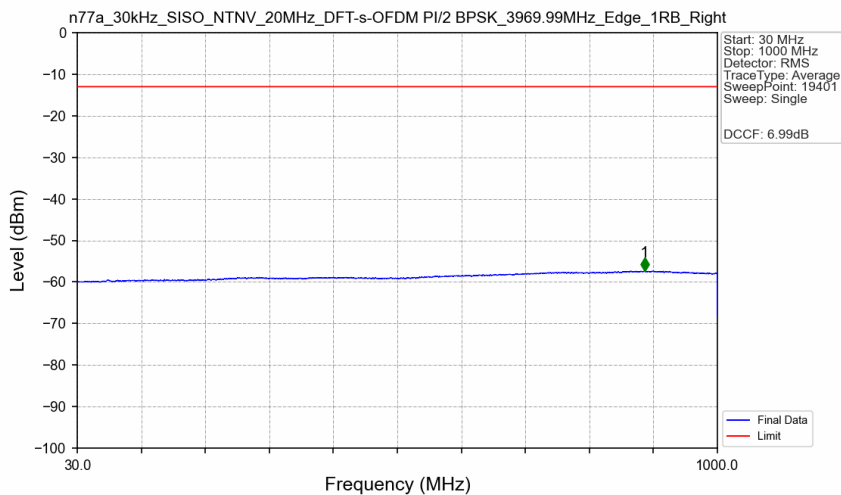
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left_Ant2



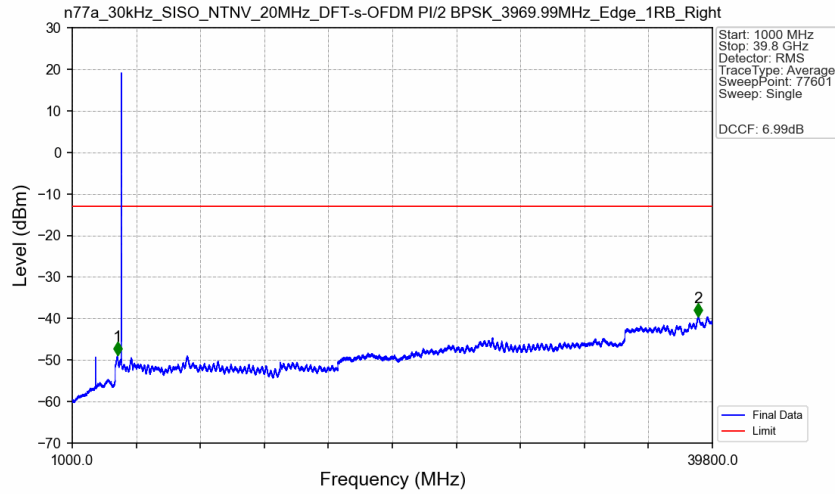
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right_Ant2



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right_Ant2

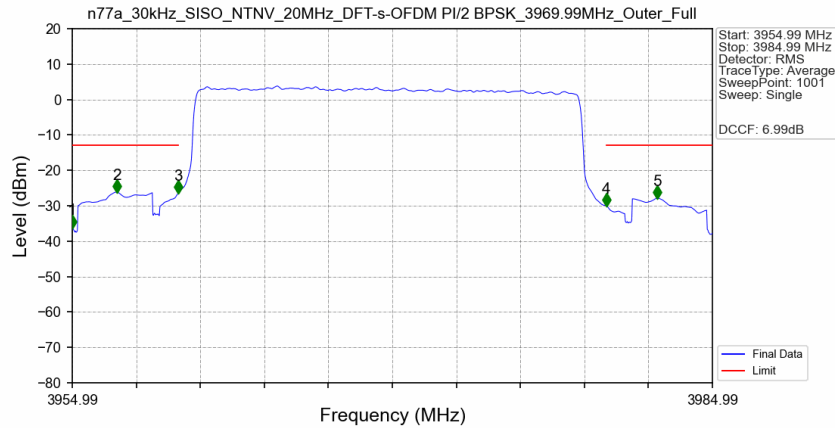


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right_Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3954.99	1	/	1	3732.000	-48.87	-13	Pass
3954.99	3984.99	1	/	/	/	/	/	/
3984.99	39800	1	/	2	3943.500	-39.52	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Outer_Full_Ant2



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3954.99	3954.99	0.5	/	1	3954.990	-35.97	-13	Pass
3954.99	3958.99	0.5	CHP	2	3957.090	-26.09	-13	Pass
3958.99	3959.99	0.19375	CHP	3	3959.970	-26.26	-13	Pass
3959.99	3979.99	0.19375	CHP	/	/	/	/	/
3979.99	3980.99	0.19375	CHP	4	3980.010	-29.96	-13	Pass
3980.99	3984.99	0.5	CHP	5	3982.410	-27.78	-13	Pass