



Appendix A.35

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
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Edge_1RB_Left	22.89	/	/	22.37	/	/	<=30	Pass
		Edge_1RB_Right	22.67	/	/	22.15	/	/	<=30	Pass
		Outer_Full	25.66	/	/	25.14	/	/	<=30	Pass
		Inner_Full	26.18	/	/	25.66	/	/	<=30	Pass
		Inner_1RB_Left	26.34	/	/	25.82	/	/	<=30	Pass
		Inner_1RB_Right	26.27	/	/	25.75	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.20	/	/	21.68	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	21.59	/	/	<=30	Pass
		Outer_Full	25.29	/	/	24.77	/	/	<=30	Pass
		Inner_Full	25.75	/	/	25.23	/	/	<=30	Pass
		Inner_1RB_Left	25.64	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Right	25.67	/	/	25.15	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.17	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	21.62	/	/	<=30	Pass
		Outer_Full	25.25	/	/	24.73	/	/	<=30	Pass
		Inner_Full	25.85	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Left	25.53	/	/	25.01	/	/	<=30	Pass
		Inner_1RB_Right	25.67	/	/	25.15	/	/	<=30	Pass
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	22.54	/	/	22.02	/	/	<=30	Pass
		Edge_1RB_Right	22.57	/	/	22.05	/	/	<=30	Pass
		Outer_Full	25.39	/	/	24.87	/	/	<=30	Pass
		Inner_Full	26.41	/	/	25.89	/	/	<=30	Pass
		Inner_1RB_Left	26.01	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Right	26.05	/	/	25.53	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.37	/	/	21.85	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	21.57	/	/	<=30	Pass
		Outer_Full	22.97	/	/	22.45	/	/	<=30	Pass
		Inner_Full	22.82	/	/	22.30	/	/	<=30	Pass
		Inner_1RB_Left	22.76	/	/	22.24	/	/	<=30	Pass
		Inner_1RB_Right	22.92	/	/	22.40	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.96	/	/	21.44	/	/	<=30	Pass
		Edge_1RB_Right	22.34	/	/	21.82	/	/	<=30	Pass
		Outer_Full	24.74	/	/	24.22	/	/	<=30	Pass
		Inner_Full	25.77	/	/	25.25	/	/	<=30	Pass
		Inner_1RB_Left	25.64	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Right	25.81	/	/	25.29	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge_1RB_Left	22.53	/	/	22.01	/	/	<=30	Pass
		Edge_1RB_Right	22.61	/	/	22.09	/	/	<=30	Pass
		Outer_Full	24.25	/	/	23.73	/	/	<=30	Pass
		Inner_Full	25.09	/	/	24.57	/	/	<=30	Pass

		Inner 1RB Left	25.19	/	/	24.67	/	/	<=30	Pass
		Inner 1RB Right	25.23	/	/	24.71	/	/	<=30	Pass
	3840	Edge 1RB Left	22.28	/	/	21.76	/	/	<=30	Pass
		Edge 1RB Right	22.25	/	/	21.73	/	/	<=30	Pass
		Outer Full	22.69	/	/	22.17	/	/	<=30	Pass
		Inner Full	22.70	/	/	22.18	/	/	<=30	Pass
		Inner 1RB Left	22.89	/	/	22.37	/	/	<=30	Pass
		Inner 1RB Right	22.72	/	/	22.20	/	/	<=30	Pass
	3969.99	Edge 1RB Left	22.07	/	/	21.55	/	/	<=30	Pass
		Edge 1RB Right	22.29	/	/	21.77	/	/	<=30	Pass
		Outer Full	23.73	/	/	23.21	/	/	<=30	Pass
		Inner Full	24.67	/	/	24.15	/	/	<=30	Pass
		Inner 1RB Left	24.60	/	/	24.08	/	/	<=30	Pass
		Inner 1RB Right	24.76	/	/	24.24	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge 1RB Left	22.58	/	/	22.06	/	/	<=30	Pass
		Edge 1RB Right	22.66	/	/	22.14	/	/	<=30	Pass
		Outer Full	23.65	/	/	23.13	/	/	<=30	Pass
		Inner Full	23.71	/	/	23.19	/	/	<=30	Pass
		Inner 1RB Left	23.56	/	/	23.04	/	/	<=30	Pass
		Inner 1RB Right	23.61	/	/	23.09	/	/	<=30	Pass
	3840	Edge 1RB Left	22.42	/	/	21.90	/	/	<=30	Pass
		Edge 1RB Right	22.13	/	/	21.61	/	/	<=30	Pass
		Outer Full	22.73	/	/	22.21	/	/	<=30	Pass
		Inner Full	22.76	/	/	22.24	/	/	<=30	Pass
		Inner 1RB Left	22.81	/	/	22.29	/	/	<=30	Pass
		Inner 1RB Right	22.64	/	/	22.12	/	/	<=30	Pass
	3969.99	Edge 1RB Left	22.11	/	/	21.59	/	/	<=30	Pass
		Edge 1RB Right	22.17	/	/	21.65	/	/	<=30	Pass
		Outer Full	23.23	/	/	22.71	/	/	<=30	Pass
		Inner Full	23.24	/	/	22.72	/	/	<=30	Pass
		Inner 1RB Left	22.98	/	/	22.46	/	/	<=30	Pass
		Inner 1RB Right	23.16	/	/	22.64	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge 1RB Left	21.66	/	/	21.14	/	/	<=30	Pass
		Edge 1RB Right	21.37	/	/	20.85	/	/	<=30	Pass
		Outer Full	21.94	/	/	21.42	/	/	<=30	Pass
		Inner Full	21.64	/	/	21.12	/	/	<=30	Pass
		Inner 1RB Left	21.62	/	/	21.10	/	/	<=30	Pass
		Inner 1RB Right	21.36	/	/	20.84	/	/	<=30	Pass
	3840	Edge 1RB Left	21.29	/	/	20.77	/	/	<=30	Pass
		Edge 1RB Right	21.18	/	/	20.66	/	/	<=30	Pass
		Outer Full	21.30	/	/	20.78	/	/	<=30	Pass
		Inner Full	21.37	/	/	20.85	/	/	<=30	Pass
		Inner 1RB Left	21.13	/	/	20.61	/	/	<=30	Pass
		Inner 1RB Right	21.15	/	/	20.63	/	/	<=30	Pass
	3969.99	Edge 1RB Left	21.10	/	/	20.58	/	/	<=30	Pass
		Edge 1RB Right	20.96	/	/	20.44	/	/	<=30	Pass
		Outer Full	21.18	/	/	20.66	/	/	<=30	Pass
		Inner Full	21.11	/	/	20.59	/	/	<=30	Pass
		Inner 1RB Left	20.74	/	/	20.22	/	/	<=30	Pass
		Inner 1RB Right	21.04	/	/	20.52	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge 1RB Left	22.67	/	/	22.15	/	/	<=30	Pass
		Edge 1RB Right	22.74	/	/	22.22	/	/	<=30	Pass
		Outer Full	23.27	/	/	22.75	/	/	<=30	Pass

		Inner Full	24.75	/	/	24.23	/	/	<=30	Pass
		Inner 1RB Left	24.73	/	/	24.21	/	/	<=30	Pass
		Inner 1RB Right	24.65	/	/	24.13	/	/	<=30	Pass
	3840	Edge 1RB Left	22.35	/	/	21.83	/	/	<=30	Pass
		Edge 1RB Right	22.22	/	/	21.70	/	/	<=30	Pass
		Outer Full	22.93	/	/	22.42	/	/	<=30	Pass
		Inner Full	22.83	/	/	22.31	/	/	<=30	Pass
		Inner 1RB Left	22.82	/	/	22.30	/	/	<=30	Pass
		Inner 1RB Right	22.84	/	/	22.32	/	/	<=30	Pass
	3969.99	Edge 1RB Left	22.00	/	/	21.48	/	/	<=30	Pass
		Edge 1RB Right	22.30	/	/	21.78	/	/	<=30	Pass
		Outer Full	22.72	/	/	22.20	/	/	<=30	Pass
		Inner Full	24.08	/	/	23.56	/	/	<=30	Pass
		Inner 1RB Left	24.03	/	/	23.51	/	/	<=30	Pass
		Inner 1RB Right	24.28	/	/	23.76	/	/	<=30	Pass
CP-OFDM 16 QAM	3710.01	Edge 1RB Left	22.62	/	/	22.10	/	/	<=30	Pass
		Edge 1RB Right	22.70	/	/	22.18	/	/	<=30	Pass
		Outer Full	23.17	/	/	22.65	/	/	<=30	Pass
		Inner Full	24.21	/	/	23.69	/	/	<=30	Pass
		Inner 1RB Left	24.12	/	/	23.60	/	/	<=30	Pass
		Inner 1RB Right	24.14	/	/	23.62	/	/	<=30	Pass
	3840	Edge 1RB Left	22.22	/	/	21.70	/	/	<=30	Pass
		Edge 1RB Right	22.32	/	/	21.81	/	/	<=30	Pass
		Outer Full	22.86	/	/	22.34	/	/	<=30	Pass
		Inner Full	22.95	/	/	22.43	/	/	<=30	Pass
		Inner 1RB Left	22.64	/	/	22.12	/	/	<=30	Pass
		Inner 1RB Right	22.66	/	/	22.14	/	/	<=30	Pass
	3969.99	Edge 1RB Left	21.98	/	/	21.46	/	/	<=30	Pass
		Edge 1RB Right	22.39	/	/	21.87	/	/	<=30	Pass
		Outer Full	22.75	/	/	22.24	/	/	<=30	Pass
		Inner Full	23.70	/	/	23.19	/	/	<=30	Pass
		Inner 1RB Left	23.55	/	/	23.03	/	/	<=30	Pass
		Inner 1RB Right	23.69	/	/	23.17	/	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge 1RB Left	22.61	/	/	22.09	/	/	<=30	Pass
		Edge 1RB Right	22.69	/	/	22.17	/	/	<=30	Pass
		Outer Full	22.62	/	/	22.10	/	/	<=30	Pass
		Inner Full	22.72	/	/	22.20	/	/	<=30	Pass
		Inner 1RB Left	22.73	/	/	22.21	/	/	<=30	Pass
		Inner 1RB Right	22.74	/	/	22.22	/	/	<=30	Pass
	3840	Edge 1RB Left	22.21	/	/	21.69	/	/	<=30	Pass
		Edge 1RB Right	22.28	/	/	21.76	/	/	<=30	Pass
		Outer Full	22.20	/	/	21.69	/	/	<=30	Pass
		Inner Full	22.19	/	/	21.67	/	/	<=30	Pass
		Inner 1RB Left	22.38	/	/	21.86	/	/	<=30	Pass
		Inner 1RB Right	22.21	/	/	21.69	/	/	<=30	Pass
	3969.99	Edge 1RB Left	22.09	/	/	21.57	/	/	<=30	Pass
		Edge 1RB Right	22.49	/	/	21.97	/	/	<=30	Pass
		Outer Full	22.16	/	/	21.64	/	/	<=30	Pass
		Inner Full	22.36	/	/	21.84	/	/	<=30	Pass
		Inner 1RB Left	22.09	/	/	21.57	/	/	<=30	Pass
		Inner 1RB Right	22.42	/	/	21.90	/	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge 1RB Left	19.36	/	/	18.84	/	/	<=30	Pass
		Edge 1RB Right	19.67	/	/	19.15	/	/	<=30	Pass

		Outer_Full	19.54	/	/	19.02	/	/	<=30	Pass
		Inner_Full	19.59	/	/	19.07	/	/	<=30	Pass
		Inner_1RB_Left	19.35	/	/	18.83	/	/	<=30	Pass
		Inner_1RB_Right	19.37	/	/	18.85	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.91	/	/	18.39	/	/	<=30	Pass
		Edge_1RB_Right	18.87	/	/	18.35	/	/	<=30	Pass
		Outer_Full	19.21	/	/	18.69	/	/	<=30	Pass
		Inner_Full	19.38	/	/	18.86	/	/	<=30	Pass
		Inner_1RB_Left	19.10	/	/	18.58	/	/	<=30	Pass
		Inner_1RB_Right	19.11	/	/	18.59	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	18.70	/	/	18.18	/	/	<=30	Pass
		Edge_1RB_Right	18.92	/	/	18.40	/	/	<=30	Pass
		Outer_Full	19.18	/	/	18.66	/	/	<=30	Pass
		Inner_Full	19.11	/	/	18.59	/	/	<=30	Pass
		Inner_1RB_Left	18.67	/	/	18.15	/	/	<=30	Pass
		Inner_1RB_Right	19.24	/	/	18.72	/	/	<=30	Pass
Note1: Antenna Gain: Ant7: -0.52dBi; 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
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.02	Edge_1RB_Left	22.53	/	/	22.01	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	22.00	/	/	<=30	Pass
		Outer_Full	25.69	/	/	25.17	/	/	<=30	Pass
		Inner_Full	26.34	/	/	25.82	/	/	<=30	Pass
		Inner_1RB_Left	26.26	/	/	25.74	/	/	<=30	Pass
		Inner_1RB_Right	26.26	/	/	25.74	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.17	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	21.72	/	/	<=30	Pass
		Outer_Full	25.42	/	/	24.90	/	/	<=30	Pass
		Inner_Full	25.75	/	/	25.23	/	/	<=30	Pass
		Inner_1RB_Left	25.69	/	/	25.17	/	/	<=30	Pass
		Inner_1RB_Right	25.68	/	/	25.16	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.26	/	/	21.74	/	/	<=30	Pass
		Edge_1RB_Right	22.62	/	/	22.10	/	/	<=30	Pass
		Outer_Full	25.16	/	/	24.64	/	/	<=30	Pass
		Inner_Full	25.69	/	/	25.17	/	/	<=30	Pass
		Inner_1RB_Left	25.76	/	/	25.24	/	/	<=30	Pass
		Inner_1RB_Right	25.93	/	/	25.41	/	/	<=30	Pass
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Left	22.50	/	/	21.98	/	/	<=30	Pass
		Edge_1RB_Right	22.73	/	/	22.21	/	/	<=30	Pass
		Outer_Full	25.11	/	/	24.59	/	/	<=30	Pass
		Inner_Full	26.19	/	/	25.67	/	/	<=30	Pass
		Inner_1RB_Left	26.16	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Right	26.21	/	/	25.69	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.27	/	/	21.75	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	21.59	/	/	<=30	Pass
		Outer_Full	24.77	/	/	24.25	/	/	<=30	Pass

		Inner Full	25.88	/	/	25.36	/	/	<=30	Pass
		Inner 1RB Left	25.87	/	/	25.35	/	/	<=30	Pass
		Inner 1RB Right	25.74	/	/	25.22	/	/	<=30	Pass
	3964.98	Edge 1RB Left	22.07	/	/	21.56	/	/	<=30	Pass
		Edge 1RB Right	22.20	/	/	21.68	/	/	<=30	Pass
		Outer Full	24.67	/	/	24.15	/	/	<=30	Pass
		Inner Full	25.67	/	/	25.15	/	/	<=30	Pass
		Inner 1RB Left	25.63	/	/	25.11	/	/	<=30	Pass
		Inner 1RB Right	25.74	/	/	25.22	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.02	Edge 1RB Left	22.69	/	/	22.17	/	/	<=30	Pass
		Edge 1RB Right	22.72	/	/	22.20	/	/	<=30	Pass
		Outer Full	24.37	/	/	23.85	/	/	<=30	Pass
		Inner Full	25.23	/	/	24.71	/	/	<=30	Pass
		Inner 1RB Left	25.20	/	/	24.69	/	/	<=30	Pass
		Inner 1RB Right	25.09	/	/	24.57	/	/	<=30	Pass
	3840	Edge 1RB Left	22.29	/	/	21.77	/	/	<=30	Pass
		Edge 1RB Right	22.28	/	/	21.76	/	/	<=30	Pass
		Outer Full	23.74	/	/	23.22	/	/	<=30	Pass
		Inner Full	24.81	/	/	24.29	/	/	<=30	Pass
		Inner 1RB Left	24.79	/	/	24.27	/	/	<=30	Pass
		Inner 1RB Right	24.88	/	/	24.36	/	/	<=30	Pass
	3964.98	Edge 1RB Left	22.16	/	/	21.65	/	/	<=30	Pass
		Edge 1RB Right	22.22	/	/	21.70	/	/	<=30	Pass
		Outer Full	23.73	/	/	23.21	/	/	<=30	Pass
		Inner Full	24.73	/	/	24.21	/	/	<=30	Pass
		Inner 1RB Left	24.75	/	/	24.23	/	/	<=30	Pass
		Inner 1RB Right	24.88	/	/	24.36	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.02	Edge 1RB Left	22.36	/	/	21.84	/	/	<=30	Pass
		Edge 1RB Right	22.41	/	/	21.89	/	/	<=30	Pass
		Outer Full	23.60	/	/	23.08	/	/	<=30	Pass
		Inner Full	23.61	/	/	23.09	/	/	<=30	Pass
		Inner 1RB Left	23.73	/	/	23.21	/	/	<=30	Pass
		Inner 1RB Right	23.64	/	/	23.12	/	/	<=30	Pass
	3840	Edge 1RB Left	22.07	/	/	21.55	/	/	<=30	Pass
		Edge 1RB Right	22.09	/	/	21.57	/	/	<=30	Pass
		Outer Full	23.07	/	/	22.55	/	/	<=30	Pass
		Inner Full	23.10	/	/	22.58	/	/	<=30	Pass
		Inner 1RB Left	23.39	/	/	22.88	/	/	<=30	Pass
		Inner 1RB Right	23.39	/	/	22.87	/	/	<=30	Pass
	3964.98	Edge 1RB Left	22.09	/	/	21.57	/	/	<=30	Pass
		Edge 1RB Right	22.13	/	/	21.61	/	/	<=30	Pass
		Outer Full	23.20	/	/	22.68	/	/	<=30	Pass
		Inner Full	23.11	/	/	22.59	/	/	<=30	Pass
		Inner 1RB Left	23.14	/	/	22.62	/	/	<=30	Pass
		Inner 1RB Right	23.18	/	/	22.66	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Edge 1RB Left	21.37	/	/	20.85	/	/	<=30	Pass
		Edge 1RB Right	21.38	/	/	20.86	/	/	<=30	Pass
		Outer Full	21.89	/	/	21.37	/	/	<=30	Pass
		Inner Full	21.81	/	/	21.29	/	/	<=30	Pass
		Inner 1RB Left	21.39	/	/	20.87	/	/	<=30	Pass
		Inner 1RB Right	21.40	/	/	20.88	/	/	<=30	Pass
	3840	Edge 1RB Left	21.05	/	/	20.53	/	/	<=30	Pass
		Edge 1RB Right	20.93	/	/	20.41	/	/	<=30	Pass

		Outer_Full	21.46	/	/	20.94	/	/	<=30	Pass
		Inner_Full	21.06	/	/	20.54	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	20.67	/	/	<=30	Pass
		Inner_1RB_Right	20.97	/	/	20.45	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	20.94	/	/	20.42	/	/	<=30	Pass
		Edge_1RB_Right	20.97	/	/	20.45	/	/	<=30	Pass
		Outer_Full	21.20	/	/	20.68	/	/	<=30	Pass
		Inner_Full	21.37	/	/	20.85	/	/	<=30	Pass
		Inner_1RB_Left	20.84	/	/	20.32	/	/	<=30	Pass
		Inner_1RB_Right	20.99	/	/	20.47	/	/	<=30	Pass
		Edge_1RB_Left	22.76	/	/	22.24	/	/	<=30	Pass
		Edge_1RB_Right	22.59	/	/	22.07	/	/	<=30	Pass
CP-OFDM QPSK	3715.02	Outer_Full	23.18	/	/	22.66	/	/	<=30	Pass
		Inner_Full	24.64	/	/	24.12	/	/	<=30	Pass
		Inner_1RB_Left	24.65	/	/	24.13	/	/	<=30	Pass
		Inner_1RB_Right	24.68	/	/	24.16	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.35	/	/	21.83	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	21.74	/	/	<=30	Pass
		Outer_Full	22.89	/	/	22.37	/	/	<=30	Pass
		Inner_Full	24.30	/	/	23.78	/	/	<=30	Pass
		Inner_1RB_Left	24.34	/	/	23.82	/	/	<=30	Pass
		Inner_1RB_Right	24.24	/	/	23.72	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.17	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	21.71	/	/	<=30	Pass
		Outer_Full	22.88	/	/	22.36	/	/	<=30	Pass
		Inner_Full	24.12	/	/	23.60	/	/	<=30	Pass
		Inner_1RB_Left	24.24	/	/	23.72	/	/	<=30	Pass
		Inner_1RB_Right	24.36	/	/	23.84	/	/	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge_1RB_Left	22.50	/	/	21.98	/	/	<=30	Pass
		Edge_1RB_Right	22.67	/	/	22.15	/	/	<=30	Pass
		Outer_Full	23.12	/	/	22.60	/	/	<=30	Pass
		Inner_Full	24.07	/	/	23.55	/	/	<=30	Pass
	3840	Inner_1RB_Left	24.31	/	/	23.79	/	/	<=30	Pass
		Inner_1RB_Right	24.23	/	/	23.71	/	/	<=30	Pass
		Edge_1RB_Left	22.41	/	/	21.89	/	/	<=30	Pass
		Edge_1RB_Right	22.55	/	/	22.03	/	/	<=30	Pass
	3964.98	Outer_Full	22.89	/	/	22.37	/	/	<=30	Pass
		Inner_Full	23.83	/	/	23.31	/	/	<=30	Pass
		Inner_1RB_Left	24.06	/	/	23.54	/	/	<=30	Pass
		Inner_1RB_Right	24.00	/	/	23.48	/	/	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge_1RB_Left	22.52	/	/	22.00	/	/	<=30	Pass
		Edge_1RB_Right	22.39	/	/	21.88	/	/	<=30	Pass
		Outer_Full	22.71	/	/	22.19	/	/	<=30	Pass
		Inner_Full	23.47	/	/	22.95	/	/	<=30	Pass
	3840	Inner_1RB_Left	23.83	/	/	23.31	/	/	<=30	Pass
		Inner_1RB_Right	24.10	/	/	23.58	/	/	<=30	Pass
		Edge_1RB_Left	22.65	/	/	22.13	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	21.98	/	/	<=30	Pass
		Outer_Full	22.88	/	/	22.36	/	/	<=30	Pass
		Inner_Full	22.68	/	/	22.16	/	/	<=30	Pass
		Inner_1RB_Left	22.49	/	/	21.97	/	/	<=30	Pass
		Inner_1RB_Right	22.74	/	/	22.22	/	/	<=30	Pass
		Edge_1RB_Left	22.46	/	/	21.94	/	/	<=30	Pass

CP-OFDM 256 QAM		Edge 1RB Right	22.18	/	/	21.66	/	/	<=30	Pass
		Outer Full	22.16	/	/	21.64	/	/	<=30	Pass
		Inner Full	22.26	/	/	21.74	/	/	<=30	Pass
		Inner 1RB Left	22.29	/	/	21.77	/	/	<=30	Pass
		Inner 1RB Right	22.22	/	/	21.70	/	/	<=30	Pass
	3964.98	Edge 1RB Left	22.13	/	/	21.61	/	/	<=30	Pass
		Edge 1RB Right	22.21	/	/	21.69	/	/	<=30	Pass
		Outer Full	22.20	/	/	21.68	/	/	<=30	Pass
		Inner Full	22.09	/	/	21.57	/	/	<=30	Pass
		Inner 1RB Left	22.30	/	/	21.78	/	/	<=30	Pass
		Inner 1RB Right	22.45	/	/	21.93	/	/	<=30	Pass
	3715.02	Edge 1RB Left	19.44	/	/	18.92	/	/	<=30	Pass
		Edge 1RB Right	19.27	/	/	18.75	/	/	<=30	Pass
		Outer Full	19.55	/	/	19.03	/	/	<=30	Pass
		Inner Full	19.61	/	/	19.09	/	/	<=30	Pass
		Inner 1RB Left	19.46	/	/	18.94	/	/	<=30	Pass
		Inner 1RB Right	19.30	/	/	18.78	/	/	<=30	Pass
	3840	Edge 1RB Left	19.02	/	/	18.50	/	/	<=30	Pass
		Edge 1RB Right	18.93	/	/	18.41	/	/	<=30	Pass
		Outer Full	19.36	/	/	18.85	/	/	<=30	Pass
		Inner Full	19.19	/	/	18.67	/	/	<=30	Pass
		Inner 1RB Left	18.96	/	/	18.44	/	/	<=30	Pass
	3964.98	Inner 1RB Right	19.16	/	/	18.64	/	/	<=30	Pass
		Edge 1RB Left	18.92	/	/	18.40	/	/	<=30	Pass
		Edge 1RB Right	19.21	/	/	18.69	/	/	<=30	Pass
		Outer Full	19.10	/	/	18.58	/	/	<=30	Pass
		Inner Full	19.13	/	/	18.61	/	/	<=30	Pass
		Inner 1RB Left	18.95	/	/	18.43	/	/	<=30	Pass
		Inner 1RB Right	19.01	/	/	18.49	/	/	<=30	Pass

Note1: Antenna Gain: Ant7: -0.52dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.1.3 30_S_40M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 40MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3720	Edge 1RB Left	23.01	/	/	22.49	/	/	<=30	Pass
		Edge 1RB Right	22.84	/	/	22.32	/	/	<=30	Pass
		Outer Full	25.93	/	/	25.41	/	/	<=30	Pass
		Inner Full	26.23	/	/	25.71	/	/	<=30	Pass
		Inner 1RB Left	26.36	/	/	25.84	/	/	<=30	Pass
		Inner 1RB Right	26.33	/	/	25.81	/	/	<=30	Pass
	3840	Edge 1RB Left	22.43	/	/	21.91	/	/	<=30	Pass
		Edge 1RB Right	22.19	/	/	21.67	/	/	<=30	Pass
		Outer Full	25.46	/	/	24.95	/	/	<=30	Pass
		Inner Full	25.91	/	/	25.39	/	/	<=30	Pass
		Inner 1RB Left	25.93	/	/	25.41	/	/	<=30	Pass
		Inner 1RB Right	25.82	/	/	25.30	/	/	<=30	Pass
	3960	Edge 1RB Left	22.42	/	/	21.90	/	/	<=30	Pass
		Edge 1RB Right	22.38	/	/	21.86	/	/	<=30	Pass

DFT-s-OFDM QPSK	3720	Outer_Full	25.20	/	/	24.68	/	/	<=30	Pass
		Inner_Full	25.69	/	/	25.17	/	/	<=30	Pass
		Inner_1RB_Left	25.80	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Right	25.93	/	/	25.41	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.62	/	/	22.11	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	22.41	/	/	<=30	Pass
		Outer_Full	25.10	/	/	24.58	/	/	<=30	Pass
		Inner_Full	26.12	/	/	25.60	/	/	<=30	Pass
	3960	Inner_1RB_Left	26.24	/	/	25.72	/	/	<=30	Pass
		Inner_1RB_Right	26.20	/	/	25.68	/	/	<=30	Pass
		Edge_1RB_Left	22.44	/	/	21.92	/	/	<=30	Pass
		Edge_1RB_Right	22.21	/	/	21.69	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	24.65	/	/	24.13	/	/	<=30	Pass
		Inner_Full	25.68	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Left	25.92	/	/	25.40	/	/	<=30	Pass
		Inner_1RB_Right	25.81	/	/	25.29	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.17	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	21.80	/	/	<=30	Pass
		Outer_Full	24.89	/	/	24.37	/	/	<=30	Pass
		Inner_Full	25.73	/	/	25.21	/	/	<=30	Pass
	3960	Inner_1RB_Left	25.70	/	/	25.18	/	/	<=30	Pass
		Inner_1RB_Right	25.84	/	/	25.32	/	/	<=30	Pass
		Edge_1RB_Left	22.73	/	/	22.21	/	/	<=30	Pass
		Edge_1RB_Right	22.72	/	/	22.20	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	24.17	/	/	23.65	/	/	<=30	Pass
		Inner_Full	25.32	/	/	24.80	/	/	<=30	Pass
		Inner_1RB_Left	25.33	/	/	24.81	/	/	<=30	Pass
		Inner_1RB_Right	25.27	/	/	24.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.46	/	/	21.94	/	/	<=30	Pass
		Edge_1RB_Right	22.36	/	/	21.84	/	/	<=30	Pass
		Outer_Full	23.63	/	/	23.11	/	/	<=30	Pass
		Inner_Full	24.76	/	/	24.24	/	/	<=30	Pass
	3960	Inner_1RB_Left	25.02	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Right	24.94	/	/	24.42	/	/	<=30	Pass
		Edge_1RB_Left	22.38	/	/	21.86	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	21.81	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	23.60	/	/	23.08	/	/	<=30	Pass
		Inner_Full	24.62	/	/	24.10	/	/	<=30	Pass
		Inner_1RB_Left	24.75	/	/	24.23	/	/	<=30	Pass
		Inner_1RB_Right	24.93	/	/	24.41	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.82	/	/	22.30	/	/	<=30	Pass
		Edge_1RB_Right	22.60	/	/	22.08	/	/	<=30	Pass
		Outer_Full	23.91	/	/	23.39	/	/	<=30	Pass
		Inner_Full	23.61	/	/	23.09	/	/	<=30	Pass
	3960	Inner_1RB_Left	23.83	/	/	23.31	/	/	<=30	Pass
		Inner_1RB_Right	23.59	/	/	23.07	/	/	<=30	Pass
		Edge_1RB_Left	22.40	/	/	21.88	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	21.74	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	23.23	/	/	22.71	/	/	<=30	Pass
		Inner_Full	23.14	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Left	23.35	/	/	22.83	/	/	<=30	Pass
		Inner_1RB_Right	23.25	/	/	22.73	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.32	/	/	21.80	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	21.80	/	/	<=30	Pass
		Outer_Full	23.23	/	/	22.71	/	/	<=30	Pass
		Inner_Full	23.14	/	/	22.62	/	/	<=30	Pass
	3960	Inner_1RB_Left	23.35	/	/	22.83	/	/	<=30	Pass
		Inner_1RB_Right	23.25	/	/	22.73	/	/	<=30	Pass
		Edge_1RB_Left	22.32	/	/	21.80	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	21.80	/	/	<=30	Pass

		Edge 1RB Right	22.20	/	/	21.68	/	/	<=30	Pass
		Outer Full	23.30	/	/	22.78	/	/	<=30	Pass
		Inner Full	23.09	/	/	22.57	/	/	<=30	Pass
		Inner 1RB Left	23.06	/	/	22.54	/	/	<=30	Pass
		Inner 1RB Right	23.46	/	/	22.95	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge 1RB Left	21.61	/	/	21.10	/	/	<=30	Pass
		Edge 1RB Right	21.57	/	/	21.05	/	/	<=30	Pass
		Outer Full	21.63	/	/	21.11	/	/	<=30	Pass
		Inner Full	21.54	/	/	21.02	/	/	<=30	Pass
		Inner 1RB Left	21.83	/	/	21.31	/	/	<=30	Pass
	3840	Inner 1RB Right	21.87	/	/	21.35	/	/	<=30	Pass
		Edge 1RB Left	21.21	/	/	20.69	/	/	<=30	Pass
		Edge 1RB Right	21.29	/	/	20.77	/	/	<=30	Pass
		Outer Full	21.23	/	/	20.72	/	/	<=30	Pass
		Inner Full	21.19	/	/	20.67	/	/	<=30	Pass
	3960	Inner 1RB Left	21.28	/	/	20.76	/	/	<=30	Pass
		Inner 1RB Right	21.06	/	/	20.54	/	/	<=30	Pass
		Edge 1RB Left	21.03	/	/	20.51	/	/	<=30	Pass
		Edge 1RB Right	21.20	/	/	20.68	/	/	<=30	Pass
		Outer Full	21.28	/	/	20.76	/	/	<=30	Pass
CP-OFDM QPSK	3720	Inner Full	21.12	/	/	20.60	/	/	<=30	Pass
		Inner 1RB Left	21.34	/	/	20.82	/	/	<=30	Pass
		Inner 1RB Right	21.45	/	/	20.93	/	/	<=30	Pass
	3840	Edge 1RB Left	22.91	/	/	22.39	/	/	<=30	Pass
		Edge 1RB Right	22.93	/	/	22.41	/	/	<=30	Pass
		Outer Full	23.04	/	/	22.52	/	/	<=30	Pass
		Inner Full	24.65	/	/	24.13	/	/	<=30	Pass
		Inner 1RB Left	24.71	/	/	24.19	/	/	<=30	Pass
	3960	Inner 1RB Right	24.88	/	/	24.36	/	/	<=30	Pass
		Edge 1RB Left	22.54	/	/	22.02	/	/	<=30	Pass
		Edge 1RB Right	22.37	/	/	21.85	/	/	<=30	Pass
		Outer Full	22.77	/	/	22.25	/	/	<=30	Pass
		Inner Full	24.30	/	/	23.78	/	/	<=30	Pass
CP-OFDM 16 QAM	3720	Inner 1RB Left	24.63	/	/	24.11	/	/	<=30	Pass
		Inner 1RB Right	24.46	/	/	23.94	/	/	<=30	Pass
		Edge 1RB Left	22.31	/	/	21.79	/	/	<=30	Pass
		Edge 1RB Right	22.52	/	/	22.00	/	/	<=30	Pass
		Outer Full	22.67	/	/	22.15	/	/	<=30	Pass
	3840	Inner Full	24.16	/	/	23.64	/	/	<=30	Pass
		Inner 1RB Left	24.12	/	/	23.60	/	/	<=30	Pass
		Inner 1RB Right	24.41	/	/	23.89	/	/	<=30	Pass
		Edge 1RB Left	23.06	/	/	22.54	/	/	<=30	Pass
		Edge 1RB Right	22.80	/	/	22.28	/	/	<=30	Pass
	3960	Outer Full	23.34	/	/	22.82	/	/	<=30	Pass
		Inner Full	24.17	/	/	23.65	/	/	<=30	Pass
		Inner 1RB Left	24.35	/	/	23.83	/	/	<=30	Pass
		Inner 1RB Right	24.33	/	/	23.81	/	/	<=30	Pass
		Edge 1RB Left	22.39	/	/	21.87	/	/	<=30	Pass
	3840	Edge 1RB Right	22.42	/	/	21.90	/	/	<=30	Pass
		Outer Full	22.98	/	/	22.46	/	/	<=30	Pass
		Inner Full	23.76	/	/	23.24	/	/	<=30	Pass
		Inner 1RB Left	24.11	/	/	23.60	/	/	<=30	Pass
		Inner 1RB Right	24.04	/	/	23.52	/	/	<=30	Pass

	3960	Edge_1RB_Left	22.15	/	/	21.63	/	/	<=30	Pass
		Edge_1RB_Right	22.46	/	/	21.94	/	/	<=30	Pass
		Outer_Full	22.68	/	/	22.16	/	/	<=30	Pass
		Inner_Full	23.63	/	/	23.11	/	/	<=30	Pass
		Inner_1RB_Left	23.75	/	/	23.23	/	/	<=30	Pass
		Inner_1RB_Right	24.04	/	/	23.52	/	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	22.79	/	/	22.27	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	22.33	/	/	<=30	Pass
		Outer_Full	22.70	/	/	22.18	/	/	<=30	Pass
		Inner_Full	22.66	/	/	22.15	/	/	<=30	Pass
		Inner_1RB_Left	22.83	/	/	22.31	/	/	<=30	Pass
		Inner_1RB_Right	22.95	/	/	22.43	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.34	/	/	21.82	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	21.83	/	/	<=30	Pass
		Outer_Full	22.14	/	/	21.62	/	/	<=30	Pass
		Inner_Full	22.18	/	/	21.66	/	/	<=30	Pass
		Inner_1RB_Left	22.54	/	/	22.02	/	/	<=30	Pass
		Inner_1RB_Right	22.25	/	/	21.73	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.06	/	/	21.54	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	21.98	/	/	<=30	Pass
		Outer_Full	22.12	/	/	21.60	/	/	<=30	Pass
		Inner_Full	22.09	/	/	21.57	/	/	<=30	Pass
		Inner_1RB_Left	22.09	/	/	21.57	/	/	<=30	Pass
		Inner_1RB_Right	22.29	/	/	21.77	/	/	<=30	Pass
CP-OFDM 256 QAM	3720	Edge_1RB_Left	19.78	/	/	19.26	/	/	<=30	Pass
		Edge_1RB_Right	19.51	/	/	18.99	/	/	<=30	Pass
		Outer_Full	19.63	/	/	19.11	/	/	<=30	Pass
		Inner_Full	19.79	/	/	19.27	/	/	<=30	Pass
		Inner_1RB_Left	19.48	/	/	18.96	/	/	<=30	Pass
		Inner_1RB_Right	19.58	/	/	19.06	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.12	/	/	18.60	/	/	<=30	Pass
		Edge_1RB_Right	18.91	/	/	18.39	/	/	<=30	Pass
		Outer_Full	19.36	/	/	18.84	/	/	<=30	Pass
		Inner_Full	19.19	/	/	18.67	/	/	<=30	Pass
		Inner_1RB_Left	19.32	/	/	18.80	/	/	<=30	Pass
		Inner_1RB_Right	18.90	/	/	18.38	/	/	<=30	Pass
	3960	Edge_1RB_Left	18.90	/	/	18.38	/	/	<=30	Pass
		Edge_1RB_Right	19.11	/	/	18.59	/	/	<=30	Pass
		Outer_Full	19.37	/	/	18.85	/	/	<=30	Pass
		Inner_Full	19.18	/	/	18.66	/	/	<=30	Pass
		Inner_1RB_Left	19.21	/	/	18.69	/	/	<=30	Pass
		Inner_1RB_Right	19.12	/	/	18.60	/	/	<=30	Pass
Note1: Antenna Gain: Ant7: -0.52dBi; 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
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2	3730.02	Edge_1RB_Left	22.37	/	/	21.85	/	/	<=30	Pass

BPSK		Edge 1RB Right	22.30	/	/	21.78	/	/	<=30	Pass
		Outer Full	25.45	/	/	24.93	/	/	<=30	Pass
		Inner Full	25.92	/	/	25.40	/	/	<=30	Pass
		Inner 1RB Left	26.08	/	/	25.56	/	/	<=30	Pass
	3840	Inner 1RB Right	25.89	/	/	25.37	/	/	<=30	Pass
		Edge 1RB Left	22.01	/	/	21.49	/	/	<=30	Pass
		Edge 1RB Right	21.91	/	/	21.39	/	/	<=30	Pass
		Outer Full	25.21	/	/	24.69	/	/	<=30	Pass
	3949.98	Inner Full	25.46	/	/	24.95	/	/	<=30	Pass
		Inner 1RB Left	25.58	/	/	25.06	/	/	<=30	Pass
		Inner 1RB Right	25.54	/	/	25.02	/	/	<=30	Pass
		Edge 1RB Left	21.97	/	/	21.45	/	/	<=30	Pass
		Edge 1RB Right	21.93	/	/	21.41	/	/	<=30	Pass
		Outer Full	25.16	/	/	24.64	/	/	<=30	Pass
		Inner Full	25.59	/	/	25.07	/	/	<=30	Pass
		Inner 1RB Left	25.36	/	/	24.84	/	/	<=30	Pass
		Inner 1RB Right	25.77	/	/	25.25	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge 1RB Left	22.61	/	/	22.09	/	/	<=30	Pass
		Edge 1RB Right	22.55	/	/	22.03	/	/	<=30	Pass
		Outer Full	25.00	/	/	24.48	/	/	<=30	Pass
		Inner Full	25.92	/	/	25.40	/	/	<=30	Pass
	3840	Inner 1RB Left	26.08	/	/	25.56	/	/	<=30	Pass
		Inner 1RB Right	25.92	/	/	25.40	/	/	<=30	Pass
		Edge 1RB Left	22.20	/	/	21.68	/	/	<=30	Pass
		Edge 1RB Right	22.03	/	/	21.51	/	/	<=30	Pass
	3949.98	Outer Full	24.57	/	/	24.05	/	/	<=30	Pass
		Inner Full	25.54	/	/	25.02	/	/	<=30	Pass
		Inner 1RB Left	25.77	/	/	25.25	/	/	<=30	Pass
		Inner 1RB Right	25.59	/	/	25.08	/	/	<=30	Pass
		Edge 1RB Left	21.80	/	/	21.28	/	/	<=30	Pass
		Edge 1RB Right	21.91	/	/	21.39	/	/	<=30	Pass
		Outer Full	24.59	/	/	24.07	/	/	<=30	Pass
		Inner Full	25.44	/	/	24.92	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Inner 1RB Left	25.38	/	/	24.86	/	/	<=30	Pass
		Inner 1RB Right	25.60	/	/	25.08	/	/	<=30	Pass
	3840	Edge 1RB Left	22.49	/	/	21.97	/	/	<=30	Pass
		Edge 1RB Right	22.21	/	/	21.69	/	/	<=30	Pass
		Outer Full	23.96	/	/	23.44	/	/	<=30	Pass
		Inner Full	25.14	/	/	24.62	/	/	<=30	Pass
	3949.98	Inner 1RB Left	25.06	/	/	24.54	/	/	<=30	Pass
		Inner 1RB Right	24.82	/	/	24.30	/	/	<=30	Pass
		Edge 1RB Left	22.16	/	/	21.64	/	/	<=30	Pass
		Edge 1RB Right	21.89	/	/	21.37	/	/	<=30	Pass
		Outer Full	23.51	/	/	22.99	/	/	<=30	Pass
		Inner Full	24.64	/	/	24.12	/	/	<=30	Pass
		Inner 1RB Left	24.62	/	/	24.10	/	/	<=30	Pass
		Inner 1RB Right	24.40	/	/	23.88	/	/	<=30	Pass
		Edge 1RB Left	21.80	/	/	21.28	/	/	<=30	Pass
		Edge 1RB Right	22.16	/	/	21.64	/	/	<=30	Pass
		Outer Full	23.40	/	/	22.88	/	/	<=30	Pass
		Inner Full	24.43	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Left	24.52	/	/	24.00	/	/	<=30	Pass
		Inner 1RB Right	24.64	/	/	24.12	/	/	<=30	Pass

DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	22.58	/	/	22.06	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	21.80	/	/	<=30	Pass
		Outer_Full	23.47	/	/	22.95	/	/	<=30	Pass
		Inner_Full	23.62	/	/	23.10	/	/	<=30	Pass
		Inner_1RB_Left	23.36	/	/	22.84	/	/	<=30	Pass
		Inner_1RB_Right	23.20	/	/	22.68	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.07	/	/	21.55	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	21.54	/	/	<=30	Pass
		Outer_Full	23.22	/	/	22.70	/	/	<=30	Pass
		Inner_Full	23.04	/	/	22.52	/	/	<=30	Pass
		Inner_1RB_Left	23.27	/	/	22.75	/	/	<=30	Pass
		Inner_1RB_Right	22.90	/	/	22.38	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.78	/	/	21.26	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	21.56	/	/	<=30	Pass
		Outer_Full	23.00	/	/	22.48	/	/	<=30	Pass
		Inner_Full	22.90	/	/	22.38	/	/	<=30	Pass
		Inner_1RB_Left	22.88	/	/	22.36	/	/	<=30	Pass
		Inner_1RB_Right	22.93	/	/	22.41	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Edge_1RB_Left	21.66	/	/	21.14	/	/	<=30	Pass
		Edge_1RB_Right	21.09	/	/	20.57	/	/	<=30	Pass
		Outer_Full	21.40	/	/	20.88	/	/	<=30	Pass
		Inner_Full	21.35	/	/	20.83	/	/	<=30	Pass
		Inner_1RB_Left	21.52	/	/	21.00	/	/	<=30	Pass
		Inner_1RB_Right	21.14	/	/	20.62	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.87	/	/	20.35	/	/	<=30	Pass
		Edge_1RB_Right	21.03	/	/	20.51	/	/	<=30	Pass
		Outer_Full	20.95	/	/	20.43	/	/	<=30	Pass
		Inner_Full	21.25	/	/	20.73	/	/	<=30	Pass
		Inner_1RB_Left	20.89	/	/	20.38	/	/	<=30	Pass
		Inner_1RB_Right	21.07	/	/	20.55	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.61	/	/	20.09	/	/	<=30	Pass
		Edge_1RB_Right	20.70	/	/	20.18	/	/	<=30	Pass
		Outer_Full	20.93	/	/	20.41	/	/	<=30	Pass
		Inner_Full	21.15	/	/	20.63	/	/	<=30	Pass
		Inner_1RB_Left	20.77	/	/	20.25	/	/	<=30	Pass
		Inner_1RB_Right	20.76	/	/	20.24	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Edge_1RB_Left	22.65	/	/	22.13	/	/	<=30	Pass
		Edge_1RB_Right	22.29	/	/	21.77	/	/	<=30	Pass
		Outer_Full	22.90	/	/	22.38	/	/	<=30	Pass
		Inner_Full	24.47	/	/	23.95	/	/	<=30	Pass
		Inner_1RB_Left	24.43	/	/	23.91	/	/	<=30	Pass
		Inner_1RB_Right	24.36	/	/	23.84	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.24	/	/	21.72	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	21.43	/	/	<=30	Pass
		Outer_Full	22.60	/	/	22.08	/	/	<=30	Pass
		Inner_Full	24.00	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Left	24.27	/	/	23.75	/	/	<=30	Pass
		Inner_1RB_Right	24.05	/	/	23.53	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.85	/	/	21.33	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	21.45	/	/	<=30	Pass
		Outer_Full	22.41	/	/	21.89	/	/	<=30	Pass
		Inner_Full	23.92	/	/	23.40	/	/	<=30	Pass
		Inner_1RB_Left	23.97	/	/	23.45	/	/	<=30	Pass

		Inner 1RB Right	24.05	/	/	23.53	/	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge 1RB Left	22.60	/	/	22.08	/	/	<=30	Pass
		Edge 1RB Right	22.29	/	/	21.77	/	/	<=30	Pass
		Outer Full	23.14	/	/	22.62	/	/	<=30	Pass
		Inner Full	24.05	/	/	23.53	/	/	<=30	Pass
		Inner 1RB Left	24.25	/	/	23.73	/	/	<=30	Pass
		Inner 1RB Right	23.90	/	/	23.38	/	/	<=30	Pass
	3840	Edge 1RB Left	22.31	/	/	21.79	/	/	<=30	Pass
		Edge 1RB Right	22.01	/	/	21.49	/	/	<=30	Pass
		Outer Full	22.68	/	/	22.16	/	/	<=30	Pass
		Inner Full	23.65	/	/	23.13	/	/	<=30	Pass
		Inner 1RB Left	23.72	/	/	23.20	/	/	<=30	Pass
		Inner 1RB Right	23.52	/	/	23.01	/	/	<=30	Pass
	3949.98	Edge 1RB Left	21.81	/	/	21.29	/	/	<=30	Pass
		Edge 1RB Right	22.03	/	/	21.51	/	/	<=30	Pass
		Outer Full	22.54	/	/	22.02	/	/	<=30	Pass
		Inner Full	23.58	/	/	23.06	/	/	<=30	Pass
		Inner 1RB Left	23.51	/	/	22.99	/	/	<=30	Pass
		Inner 1RB Right	23.57	/	/	23.05	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge 1RB Left	22.62	/	/	22.10	/	/	<=30	Pass
		Edge 1RB Right	22.19	/	/	21.67	/	/	<=30	Pass
		Outer Full	22.46	/	/	21.94	/	/	<=30	Pass
		Inner Full	22.40	/	/	21.88	/	/	<=30	Pass
		Inner 1RB Left	22.38	/	/	21.86	/	/	<=30	Pass
		Inner 1RB Right	22.25	/	/	21.73	/	/	<=30	Pass
	3840	Edge 1RB Left	22.14	/	/	21.62	/	/	<=30	Pass
		Edge 1RB Right	22.05	/	/	21.53	/	/	<=30	Pass
		Outer Full	22.00	/	/	21.48	/	/	<=30	Pass
		Inner Full	22.02	/	/	21.50	/	/	<=30	Pass
		Inner 1RB Left	22.22	/	/	21.70	/	/	<=30	Pass
		Inner 1RB Right	21.99	/	/	21.47	/	/	<=30	Pass
	3949.98	Edge 1RB Left	21.78	/	/	21.26	/	/	<=30	Pass
		Edge 1RB Right	22.20	/	/	21.69	/	/	<=30	Pass
		Outer Full	22.04	/	/	21.52	/	/	<=30	Pass
		Inner Full	21.87	/	/	21.35	/	/	<=30	Pass
		Inner 1RB Left	21.95	/	/	21.43	/	/	<=30	Pass
		Inner 1RB Right	22.05	/	/	21.53	/	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge 1RB Left	19.31	/	/	18.79	/	/	<=30	Pass
		Edge 1RB Right	18.99	/	/	18.47	/	/	<=30	Pass
		Outer Full	19.40	/	/	18.88	/	/	<=30	Pass
		Inner Full	19.63	/	/	19.11	/	/	<=30	Pass
		Inner 1RB Left	19.17	/	/	18.65	/	/	<=30	Pass
		Inner 1RB Right	19.45	/	/	18.93	/	/	<=30	Pass
	3840	Edge 1RB Left	18.76	/	/	18.24	/	/	<=30	Pass
		Edge 1RB Right	18.85	/	/	18.33	/	/	<=30	Pass
		Outer Full	18.96	/	/	18.44	/	/	<=30	Pass
		Inner Full	18.92	/	/	18.40	/	/	<=30	Pass
		Inner 1RB Left	18.83	/	/	18.31	/	/	<=30	Pass
		Inner 1RB Right	18.89	/	/	18.37	/	/	<=30	Pass
	3949.98	Edge 1RB Left	18.72	/	/	18.20	/	/	<=30	Pass
		Edge 1RB Right	18.78	/	/	18.26	/	/	<=30	Pass
		Outer Full	18.94	/	/	18.42	/	/	<=30	Pass
		Inner Full	18.88	/	/	18.36	/	/	<=30	Pass



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		Inner_1RB_Left	18.88	/	/	18.36	/	/	<=30	Pass
		Inner_1RB_Right	18.73	/	/	18.21	/	/	<=30	Pass
Note1: Antenna Gain: Ant7: -0.52dBi; 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
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge_1RB_Left	22.69	/	/	22.17	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	21.71	/	/	<=30	Pass
		Outer_Full	25.51	/	/	24.99	/	/	<=30	Pass
		Inner_Full	26.00	/	/	25.48	/	/	<=30	Pass
		Inner_1RB_Left	25.87	/	/	25.35	/	/	<=30	Pass
		Inner_1RB_Right	25.84	/	/	25.32	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.10	/	/	21.58	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	21.54	/	/	<=30	Pass
		Outer_Full	25.03	/	/	24.51	/	/	<=30	Pass
		Inner_Full	25.66	/	/	25.14	/	/	<=30	Pass
		Inner_1RB_Left	25.87	/	/	25.35	/	/	<=30	Pass
		Inner_1RB_Right	25.58	/	/	25.06	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.73	/	/	21.21	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	21.28	/	/	<=30	Pass
		Outer_Full	24.99	/	/	24.47	/	/	<=30	Pass
		Inner_Full	25.41	/	/	24.89	/	/	<=30	Pass
		Inner_1RB_Left	25.43	/	/	24.91	/	/	<=30	Pass
		Inner_1RB_Right	25.41	/	/	24.89	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	22.54	/	/	22.02	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	21.66	/	/	<=30	Pass
		Outer_Full	24.92	/	/	24.40	/	/	<=30	Pass
		Inner_Full	26.03	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Left	26.02	/	/	25.50	/	/	<=30	Pass
		Inner_1RB_Right	25.50	/	/	24.98	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.16	/	/	21.64	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	21.32	/	/	<=30	Pass
		Outer_Full	24.70	/	/	24.18	/	/	<=30	Pass
		Inner_Full	25.59	/	/	25.07	/	/	<=30	Pass
		Inner_1RB_Left	25.80	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Right	25.42	/	/	24.90	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.07	/	/	21.55	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	21.50	/	/	<=30	Pass
		Outer_Full	24.61	/	/	24.09	/	/	<=30	Pass
		Inner_Full	25.46	/	/	24.94	/	/	<=30	Pass
		Inner_1RB_Left	25.40	/	/	24.88	/	/	<=30	Pass
		Inner_1RB_Right	25.50	/	/	24.98	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	22.31	/	/	21.79	/	/	<=30	Pass
		Edge_1RB_Right	21.98	/	/	21.46	/	/	<=30	Pass
		Outer_Full	23.77	/	/	23.25	/	/	<=30	Pass
		Inner_Full	24.77	/	/	24.25	/	/	<=30	Pass
		Inner_1RB_Left	24.87	/	/	24.35	/	/	<=30	Pass

	3840	Inner 1RB Right	24.67	/	/	24.15	/	/	<=30	Pass
		Edge 1RB Left	22.20	/	/	21.69	/	/	<=30	Pass
		Edge 1RB Right	21.87	/	/	21.35	/	/	<=30	Pass
		Outer Full	23.43	/	/	22.91	/	/	<=30	Pass
		Inner Full	24.52	/	/	24.00	/	/	<=30	Pass
		Inner 1RB Left	24.92	/	/	24.40	/	/	<=30	Pass
	3939.99	Inner 1RB Right	24.56	/	/	24.04	/	/	<=30	Pass
		Edge 1RB Left	21.90	/	/	21.38	/	/	<=30	Pass
		Edge 1RB Right	22.00	/	/	21.48	/	/	<=30	Pass
		Outer Full	23.54	/	/	23.02	/	/	<=30	Pass
		Inner Full	24.40	/	/	23.88	/	/	<=30	Pass
		Inner 1RB Left	24.16	/	/	23.64	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Inner 1RB Right	24.33	/	/	23.81	/	/	<=30	Pass
		Edge 1RB Left	22.40	/	/	21.88	/	/	<=30	Pass
		Edge 1RB Right	21.89	/	/	21.37	/	/	<=30	Pass
		Outer Full	23.20	/	/	22.68	/	/	<=30	Pass
		Inner Full	23.38	/	/	22.86	/	/	<=30	Pass
		Inner 1RB Left	23.48	/	/	22.96	/	/	<=30	Pass
	3840	Inner 1RB Right	22.98	/	/	22.46	/	/	<=30	Pass
		Edge 1RB Left	22.33	/	/	21.81	/	/	<=30	Pass
		Edge 1RB Right	21.77	/	/	21.25	/	/	<=30	Pass
		Outer Full	22.91	/	/	22.39	/	/	<=30	Pass
		Inner Full	22.94	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Left	23.34	/	/	22.82	/	/	<=30	Pass
	3939.99	Inner 1RB Right	22.80	/	/	22.28	/	/	<=30	Pass
		Edge 1RB Left	21.66	/	/	21.14	/	/	<=30	Pass
		Edge 1RB Right	21.85	/	/	21.33	/	/	<=30	Pass
		Outer Full	23.09	/	/	22.57	/	/	<=30	Pass
		Inner Full	22.81	/	/	22.29	/	/	<=30	Pass
		Inner 1RB Left	22.71	/	/	22.19	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Inner 1RB Right	22.79	/	/	22.27	/	/	<=30	Pass
		Edge 1RB Left	21.10	/	/	20.58	/	/	<=30	Pass
		Edge 1RB Right	20.82	/	/	20.30	/	/	<=30	Pass
		Outer Full	21.23	/	/	20.71	/	/	<=30	Pass
		Inner Full	21.42	/	/	20.90	/	/	<=30	Pass
		Inner 1RB Left	21.14	/	/	20.62	/	/	<=30	Pass
	3840	Inner 1RB Right	20.86	/	/	20.34	/	/	<=30	Pass
		Edge 1RB Left	20.97	/	/	20.45	/	/	<=30	Pass
		Edge 1RB Right	20.85	/	/	20.33	/	/	<=30	Pass
		Outer Full	20.97	/	/	20.45	/	/	<=30	Pass
		Inner Full	20.90	/	/	20.38	/	/	<=30	Pass
		Inner 1RB Left	20.99	/	/	20.47	/	/	<=30	Pass
	3939.99	Inner 1RB Right	20.96	/	/	20.44	/	/	<=30	Pass
		Edge 1RB Left	20.62	/	/	20.10	/	/	<=30	Pass
		Edge 1RB Right	20.79	/	/	20.27	/	/	<=30	Pass
		Outer Full	20.82	/	/	20.30	/	/	<=30	Pass
		Inner Full	20.88	/	/	20.36	/	/	<=30	Pass
		Inner 1RB Left	20.98	/	/	20.46	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Inner 1RB Right	21.05	/	/	20.53	/	/	<=30	Pass
		Edge 1RB Left	22.54	/	/	22.02	/	/	<=30	Pass
		Edge 1RB Right	22.09	/	/	21.57	/	/	<=30	Pass
		Outer Full	22.78	/	/	22.26	/	/	<=30	Pass
		Inner Full	24.40	/	/	23.88	/	/	<=30	Pass

		Inner 1RB Left	24.44	/	/	23.92	/	/	<=30	Pass
		Inner 1RB Right	24.27	/	/	23.75	/	/	<=30	Pass
	3840	Edge 1RB Left	22.27	/	/	21.75	/	/	<=30	Pass
		Edge 1RB Right	21.89	/	/	21.37	/	/	<=30	Pass
		Outer Full	22.70	/	/	22.18	/	/	<=30	Pass
		Inner Full	23.94	/	/	23.42	/	/	<=30	Pass
		Inner 1RB Left	24.33	/	/	23.81	/	/	<=30	Pass
		Inner 1RB Right	24.12	/	/	23.60	/	/	<=30	Pass
	3939.99	Edge 1RB Left	21.94	/	/	21.42	/	/	<=30	Pass
		Edge 1RB Right	21.94	/	/	21.42	/	/	<=30	Pass
		Outer Full	22.39	/	/	21.87	/	/	<=30	Pass
		Inner Full	24.04	/	/	23.52	/	/	<=30	Pass
		Inner 1RB Left	23.99	/	/	23.47	/	/	<=30	Pass
		Inner 1RB Right	24.23	/	/	23.71	/	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge 1RB Left	22.39	/	/	21.87	/	/	<=30	Pass
		Edge 1RB Right	22.17	/	/	21.65	/	/	<=30	Pass
		Outer Full	22.87	/	/	22.35	/	/	<=30	Pass
		Inner Full	23.89	/	/	23.37	/	/	<=30	Pass
		Inner 1RB Left	23.94	/	/	23.42	/	/	<=30	Pass
		Inner 1RB Right	23.91	/	/	23.39	/	/	<=30	Pass
	3840	Edge 1RB Left	22.11	/	/	21.59	/	/	<=30	Pass
		Edge 1RB Right	21.86	/	/	21.34	/	/	<=30	Pass
		Outer Full	22.60	/	/	22.08	/	/	<=30	Pass
		Inner Full	23.55	/	/	23.03	/	/	<=30	Pass
		Inner 1RB Left	23.70	/	/	23.18	/	/	<=30	Pass
		Inner 1RB Right	23.68	/	/	23.16	/	/	<=30	Pass
	3939.99	Edge 1RB Left	21.77	/	/	21.26	/	/	<=30	Pass
		Edge 1RB Right	22.12	/	/	21.60	/	/	<=30	Pass
		Outer Full	22.62	/	/	22.10	/	/	<=30	Pass
		Inner Full	23.46	/	/	22.94	/	/	<=30	Pass
		Inner 1RB Left	23.42	/	/	22.90	/	/	<=30	Pass
		Inner 1RB Right	23.59	/	/	23.07	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge 1RB Left	22.55	/	/	22.03	/	/	<=30	Pass
		Edge 1RB Right	22.29	/	/	21.77	/	/	<=30	Pass
		Outer Full	22.27	/	/	21.75	/	/	<=30	Pass
		Inner Full	22.44	/	/	21.92	/	/	<=30	Pass
		Inner 1RB Left	22.62	/	/	22.10	/	/	<=30	Pass
		Inner 1RB Right	22.34	/	/	21.82	/	/	<=30	Pass
	3840	Edge 1RB Left	22.06	/	/	21.54	/	/	<=30	Pass
		Edge 1RB Right	21.71	/	/	21.19	/	/	<=30	Pass
		Outer Full	22.12	/	/	21.60	/	/	<=30	Pass
		Inner Full	21.98	/	/	21.46	/	/	<=30	Pass
		Inner 1RB Left	22.31	/	/	21.79	/	/	<=30	Pass
		Inner 1RB Right	21.74	/	/	21.22	/	/	<=30	Pass
	3939.99	Edge 1RB Left	21.69	/	/	21.17	/	/	<=30	Pass
		Edge 1RB Right	21.91	/	/	21.39	/	/	<=30	Pass
		Outer Full	22.09	/	/	21.57	/	/	<=30	Pass
		Inner Full	21.84	/	/	21.32	/	/	<=30	Pass
		Inner 1RB Left	22.05	/	/	21.53	/	/	<=30	Pass
		Inner 1RB Right	21.97	/	/	21.45	/	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge 1RB Left	19.00	/	/	18.48	/	/	<=30	Pass
		Edge 1RB Right	18.84	/	/	18.32	/	/	<=30	Pass
		Outer Full	19.23	/	/	18.71	/	/	<=30	Pass

		Inner_Full	19.29	/	/	18.77	/	/	<=30	Pass
		Inner_1RB_Left	19.17	/	/	18.65	/	/	<=30	Pass
		Inner_1RB_Right	18.85	/	/	18.33	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.95	/	/	18.43	/	/	<=30	Pass
		Edge_1RB_Right	18.64	/	/	18.12	/	/	<=30	Pass
		Outer_Full	19.01	/	/	18.49	/	/	<=30	Pass
		Inner_Full	19.16	/	/	18.64	/	/	<=30	Pass
		Inner_1RB_Left	19.00	/	/	18.48	/	/	<=30	Pass
		Inner_1RB_Right	18.77	/	/	18.25	/	/	<=30	Pass
		3939.99	Edge_1RB_Left	18.61	/	/	18.09	/	/	<=30
	Edge_1RB_Right		18.63	/	/	18.11	/	/	<=30	Pass
	Outer_Full		19.02	/	/	18.50	/	/	<=30	Pass
	Inner_Full		18.90	/	/	18.38	/	/	<=30	Pass
	Inner_1RB_Left		18.75	/	/	18.23	/	/	<=30	Pass
	Inner_1RB_Right		18.67	/	/	18.15	/	/	<=30	Pass
Note1: Antenna Gain: Ant7: -0.52dBi; 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
			Ant7	Ant2	Sum	Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge 1RB Left	22.38	/	/	21.86	/	/	<=30	Pass
		Edge 1RB Right	22.24	/	/	21.72	/	/	<=30	Pass
		Outer Full	25.25	/	/	24.74	/	/	<=30	Pass
		Inner Full	25.82	/	/	25.30	/	/	<=30	Pass
		Inner 1RB Left	25.92	/	/	25.40	/	/	<=30	Pass
		Inner 1RB Right	25.53	/	/	25.01	/	/	<=30	Pass
	3840	Edge 1RB Left	22.46	/	/	21.94	/	/	<=30	Pass
		Edge 1RB Right	21.88	/	/	21.36	/	/	<=30	Pass
		Outer Full	25.21	/	/	24.70	/	/	<=30	Pass
		Inner Full	25.46	/	/	24.95	/	/	<=30	Pass
		Inner 1RB Left	25.99	/	/	25.47	/	/	<=30	Pass
		Inner 1RB Right	25.60	/	/	25.08	/	/	<=30	Pass
	3930	Edge 1RB Left	22.15	/	/	21.63	/	/	<=30	Pass
		Edge 1RB Right	22.31	/	/	21.79	/	/	<=30	Pass
		Outer Full	24.94	/	/	24.42	/	/	<=30	Pass
		Inner Full	25.49	/	/	24.97	/	/	<=30	Pass
		Inner 1RB Left	25.66	/	/	25.14	/	/	<=30	Pass
		Inner 1RB Right	25.76	/	/	25.24	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge 1RB Left	22.56	/	/	22.04	/	/	<=30	Pass
		Edge 1RB Right	21.91	/	/	21.39	/	/	<=30	Pass
		Outer Full	24.83	/	/	24.31	/	/	<=30	Pass
		Inner Full	25.88	/	/	25.36	/	/	<=30	Pass
		Inner 1RB Left	26.06	/	/	25.54	/	/	<=30	Pass
		Inner 1RB Right	25.65	/	/	25.13	/	/	<=30	Pass
	3840	Edge 1RB Left	22.11	/	/	21.59	/	/	<=30	Pass
		Edge 1RB Right	21.99	/	/	21.47	/	/	<=30	Pass
		Outer Full	24.43	/	/	23.91	/	/	<=30	Pass
		Inner Full	25.51	/	/	24.99	/	/	<=30	Pass

		Inner_1RB_Left	25.91	/	/	25.39	/	/	<=30	Pass
		Inner_1RB_Right	25.55	/	/	25.03	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.71	/	/	21.19	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	21.55	/	/	<=30	Pass
		Outer_Full	24.63	/	/	24.11	/	/	<=30	Pass
		Inner_Full	25.36	/	/	24.84	/	/	<=30	Pass
		Inner_1RB_Left	25.53	/	/	25.01	/	/	<=30	Pass
		Inner_1RB_Right	25.58	/	/	25.06	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	22.68	/	/	22.16	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	21.78	/	/	<=30	Pass
		Outer_Full	23.84	/	/	23.32	/	/	<=30	Pass
		Inner_Full	24.97	/	/	24.45	/	/	<=30	Pass
		Inner_1RB_Left	25.16	/	/	24.64	/	/	<=30	Pass
		Inner_1RB_Right	24.70	/	/	24.18	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.30	/	/	21.78	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	21.59	/	/	<=30	Pass
		Outer_Full	23.47	/	/	22.95	/	/	<=30	Pass
		Inner_Full	24.61	/	/	24.09	/	/	<=30	Pass
		Inner_1RB_Left	24.70	/	/	24.18	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	23.73	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.89	/	/	21.37	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	21.51	/	/	<=30	Pass
		Outer_Full	23.52	/	/	23.00	/	/	<=30	Pass
		Inner_Full	24.34	/	/	23.82	/	/	<=30	Pass
		Inner_1RB_Left	24.45	/	/	23.93	/	/	<=30	Pass
		Inner_1RB_Right	24.58	/	/	24.06	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	22.48	/	/	21.96	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	21.62	/	/	<=30	Pass
		Outer_Full	23.34	/	/	22.82	/	/	<=30	Pass
		Inner_Full	23.46	/	/	22.94	/	/	<=30	Pass
		Inner_1RB_Left	23.37	/	/	22.85	/	/	<=30	Pass
		Inner_1RB_Right	22.99	/	/	22.47	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.20	/	/	21.68	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	21.28	/	/	<=30	Pass
		Outer_Full	22.90	/	/	22.38	/	/	<=30	Pass
		Inner_Full	22.85	/	/	22.33	/	/	<=30	Pass
		Inner_1RB_Left	23.16	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	22.99	/	/	22.47	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.92	/	/	21.40	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	21.52	/	/	<=30	Pass
		Outer_Full	23.06	/	/	22.54	/	/	<=30	Pass
		Inner_Full	22.81	/	/	22.29	/	/	<=30	Pass
		Inner_1RB_Left	22.74	/	/	22.22	/	/	<=30	Pass
		Inner_1RB_Right	23.12	/	/	22.60	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	21.13	/	/	20.61	/	/	<=30	Pass
		Edge_1RB_Right	20.76	/	/	20.24	/	/	<=30	Pass
		Outer_Full	21.45	/	/	20.93	/	/	<=30	Pass
		Inner_Full	21.47	/	/	20.95	/	/	<=30	Pass
		Inner_1RB_Left	21.18	/	/	20.66	/	/	<=30	Pass
		Inner_1RB_Right	20.81	/	/	20.29	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.01	/	/	20.49	/	/	<=30	Pass
		Edge_1RB_Right	20.90	/	/	20.38	/	/	<=30	Pass
		Outer_Full	20.99	/	/	20.47	/	/	<=30	Pass

		Inner Full	20.90	/	/	20.38	/	/	<=30	Pass
		Inner 1RB Left	21.26	/	/	20.74	/	/	<=30	Pass
		Inner 1RB Right	20.73	/	/	20.21	/	/	<=30	Pass
	3930	Edge 1RB Left	20.92	/	/	20.40	/	/	<=30	Pass
		Edge 1RB Right	20.76	/	/	20.24	/	/	<=30	Pass
		Outer Full	21.12	/	/	20.61	/	/	<=30	Pass
		Inner Full	21.07	/	/	20.55	/	/	<=30	Pass
		Inner 1RB Left	20.72	/	/	20.20	/	/	<=30	Pass
		Inner 1RB Right	20.81	/	/	20.29	/	/	<=30	Pass
		Edge 1RB Left	22.53	/	/	22.01	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge 1RB Right	22.06	/	/	21.54	/	/	<=30	Pass
		Outer Full	22.75	/	/	22.23	/	/	<=30	Pass
		Inner Full	24.46	/	/	23.94	/	/	<=30	Pass
		Inner 1RB Left	24.36	/	/	23.84	/	/	<=30	Pass
		Inner 1RB Right	24.14	/	/	23.62	/	/	<=30	Pass
		Edge 1RB Left	22.24	/	/	21.72	/	/	<=30	Pass
	3840	Edge 1RB Right	21.92	/	/	21.40	/	/	<=30	Pass
		Outer Full	22.43	/	/	21.91	/	/	<=30	Pass
		Inner Full	24.07	/	/	23.55	/	/	<=30	Pass
		Inner 1RB Left	24.34	/	/	23.82	/	/	<=30	Pass
		Inner 1RB Right	24.08	/	/	23.56	/	/	<=30	Pass
		Edge 1RB Left	21.91	/	/	21.39	/	/	<=30	Pass
	3930	Edge 1RB Right	21.96	/	/	21.44	/	/	<=30	Pass
		Outer Full	22.58	/	/	22.06	/	/	<=30	Pass
		Inner Full	23.96	/	/	23.45	/	/	<=30	Pass
		Inner 1RB Left	23.84	/	/	23.32	/	/	<=30	Pass
		Inner 1RB Right	24.17	/	/	23.65	/	/	<=30	Pass
		Edge 1RB Left	22.34	/	/	21.82	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge 1RB Right	22.08	/	/	21.56	/	/	<=30	Pass
		Outer Full	22.74	/	/	22.22	/	/	<=30	Pass
		Inner Full	23.89	/	/	23.38	/	/	<=30	Pass
		Inner 1RB Left	23.94	/	/	23.42	/	/	<=30	Pass
		Inner 1RB Right	23.58	/	/	23.06	/	/	<=30	Pass
		Edge 1RB Left	22.37	/	/	21.85	/	/	<=30	Pass
	3840	Edge 1RB Right	22.05	/	/	21.53	/	/	<=30	Pass
		Outer Full	22.52	/	/	22.00	/	/	<=30	Pass
		Inner Full	23.53	/	/	23.01	/	/	<=30	Pass
		Inner 1RB Left	23.88	/	/	23.36	/	/	<=30	Pass
		Inner 1RB Right	23.43	/	/	22.91	/	/	<=30	Pass
		Edge 1RB Left	21.95	/	/	21.43	/	/	<=30	Pass
	3930	Edge 1RB Right	22.21	/	/	21.69	/	/	<=30	Pass
		Outer Full	22.39	/	/	21.87	/	/	<=30	Pass
		Inner Full	23.48	/	/	22.96	/	/	<=30	Pass
		Inner 1RB Left	23.55	/	/	23.03	/	/	<=30	Pass
		Inner 1RB Right	23.61	/	/	23.09	/	/	<=30	Pass
		Edge 1RB Left	22.34	/	/	21.82	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Edge 1RB Right	22.23	/	/	21.71	/	/	<=30	Pass
		Outer Full	22.21	/	/	21.69	/	/	<=30	Pass
		Inner Full	22.50	/	/	21.98	/	/	<=30	Pass
		Inner 1RB Left	22.41	/	/	21.89	/	/	<=30	Pass
		Inner 1RB Right	22.02	/	/	21.50	/	/	<=30	Pass
		Edge 1RB Left	22.18	/	/	21.66	/	/	<=30	Pass
	3840	Edge 1RB Right	21.89	/	/	21.37	/	/	<=30	Pass

CP-OFDM 256 QAM		Outer_Full	21.94	/	/	21.42	/	/	<=30	Pass
		Inner_Full	21.90	/	/	21.38	/	/	<=30	Pass
		Inner_1RB_Left	22.26	/	/	21.74	/	/	<=30	Pass
		Inner_1RB_Right	21.86	/	/	21.34	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.04	/	/	21.52	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	21.72	/	/	<=30	Pass
		Outer_Full	21.87	/	/	21.35	/	/	<=30	Pass
		Inner_Full	21.93	/	/	21.41	/	/	<=30	Pass
		Inner_1RB_Left	22.12	/	/	21.60	/	/	<=30	Pass
		Inner_1RB_Right	22.24	/	/	21.72	/	/	<=30	Pass
		Edge_1RB_Left	19.28	/	/	18.76	/	/	<=30	Pass
		Edge_1RB_Right	18.79	/	/	18.27	/	/	<=30	Pass
	3750	Outer_Full	19.24	/	/	18.72	/	/	<=30	Pass
		Inner_Full	19.52	/	/	19.00	/	/	<=30	Pass
		Inner_1RB_Left	19.36	/	/	18.84	/	/	<=30	Pass
		Inner_1RB_Right	18.97	/	/	18.45	/	/	<=30	Pass
		Edge_1RB_Left	19.12	/	/	18.60	/	/	<=30	Pass
		Edge_1RB_Right	18.65	/	/	18.13	/	/	<=30	Pass
	3840	Outer_Full	19.35	/	/	18.83	/	/	<=30	Pass
		Inner_Full	18.92	/	/	18.40	/	/	<=30	Pass
		Inner_1RB_Left	19.18	/	/	18.66	/	/	<=30	Pass
		Inner_1RB_Right	18.85	/	/	18.33	/	/	<=30	Pass
		Edge_1RB_Left	18.75	/	/	18.23	/	/	<=30	Pass
		Edge_1RB_Right	18.83	/	/	18.31	/	/	<=30	Pass
	3930	Outer_Full	19.04	/	/	18.52	/	/	<=30	Pass
		Inner_Full	18.80	/	/	18.28	/	/	<=30	Pass
		Inner_1RB_Left	18.60	/	/	18.08	/	/	<=30	Pass
		Inner_1RB_Right	19.34	/	/	18.82	/	/	<=30	Pass

Note1: Antenna Gain: Ant7: -0.52dBi;
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	-7.84	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-15.46	-0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	-12.43	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-1.52	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	10.98	0.0029	>=-2.5 & <=2.5	Pass
			0	NV	6.57	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-10.75	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-19.18	-0.0050	>=-2.5 & <=2.5	Pass
			30	NV	-1.43	-0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-21.91	-0.0057	>=-2.5 & <=2.5	Pass

			50	NV	-7.39	-0.0019	>=-2.5 & <=2.5	Pass
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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	17.73	18.75	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	17.89	19.24	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	17.86	19.16	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	17.77	18.95	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	17.82	18.57	/	Pass
CP-OFDM QPSK	3840	Outer_Full	18.17	19.65	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	18.25	19.12	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	18.34	19.53	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	18.15	19.09	/	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	26.64	27.69	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	26.75	28.02	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	26.74	27.92	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	26.75	28.16	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	26.81	28.36	/	Pass
CP-OFDM QPSK	3840	Outer_Full	27.73	29.13	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	27.89	28.95	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	27.77	29.40	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	27.77	28.79	/	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	35.76	37.18	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	35.92	38.28	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	36.09	38.25	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	35.84	37.97	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	36.20	38.05	/	Pass



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CP-OFDM QPSK	3840	Outer_Full	38.09	40.33	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	38.00	40.37	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	38.08	40.39	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	37.76	40.15	/	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	57.84	60.18	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	58.21	62.19	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	58.54	62.37	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	57.66	61.89	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	57.82	60.70	/	Pass
CP-OFDM QPSK	3840	Outer_Full	58.38	62.59	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	57.45	61.93	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	58.28	62.40	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	58.40	62.67	/	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	77.04	79.72	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	77.59	81.83	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	76.69	79.85	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	77.10	79.87	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	76.72	80.17	/	Pass
CP-OFDM QPSK	3840	Outer_Full	77.50	80.32	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	77.23	80.17	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	77.15	79.83	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	77.20	80.16	/	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	96.58	99.42	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	96.41	99.34	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	95.94	99.04	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	96.77	99.45	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	96.31	99.30	/	Pass
CP-OFDM QPSK	3840	Outer_Full	97.33	100.45	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	97.12	100.57	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	97.41	100.42	/	Pass

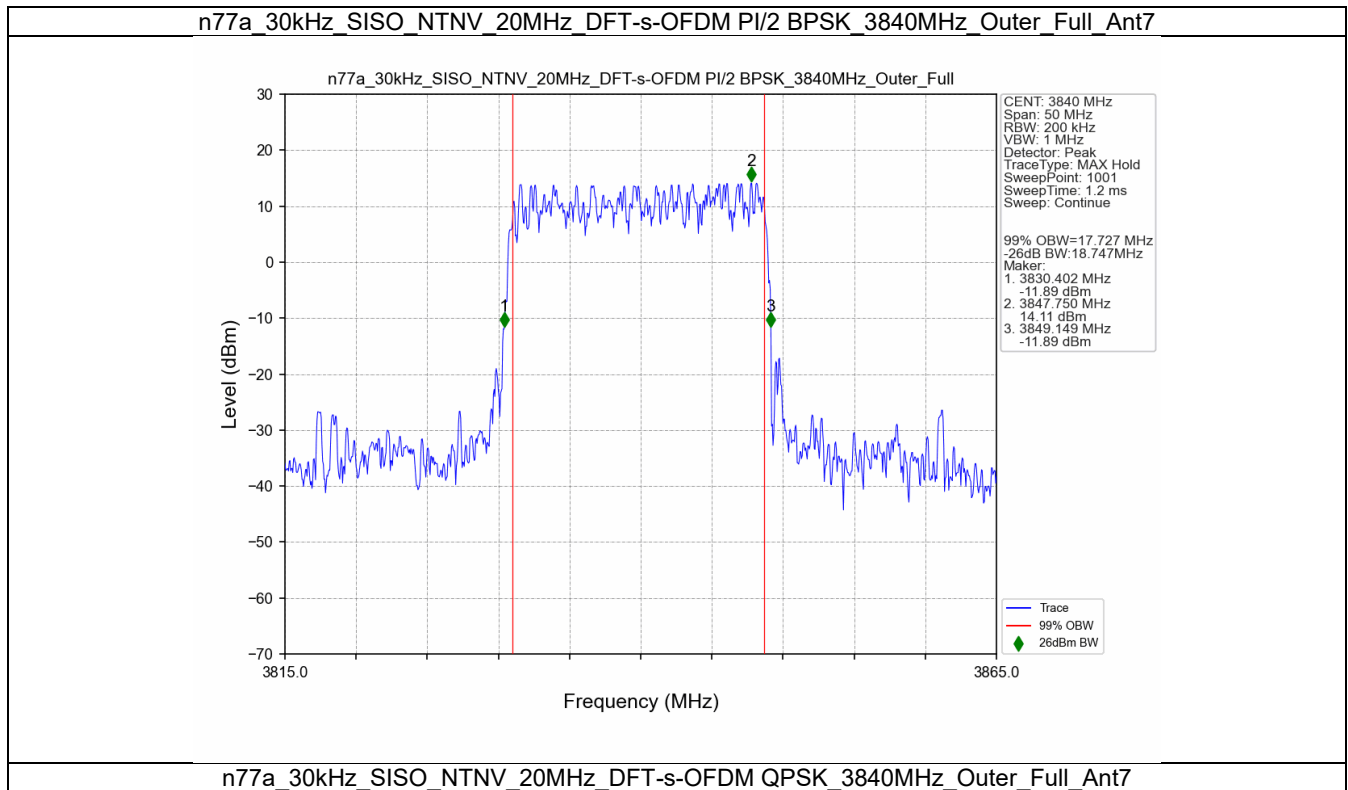


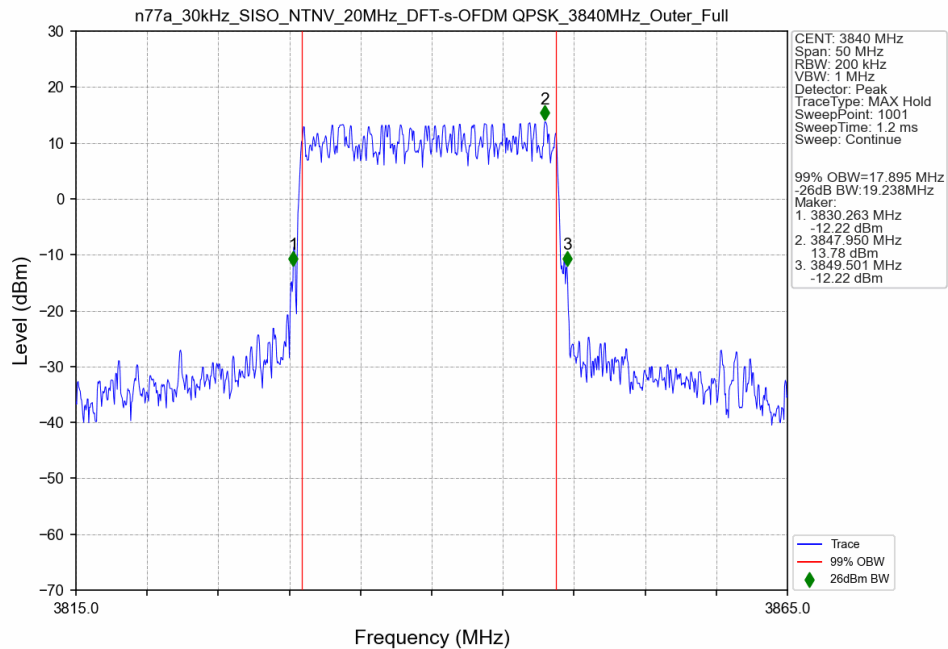
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CP-OFDM 256 QAM	3840	Outer_Full	97.30	100.23	/	Pass
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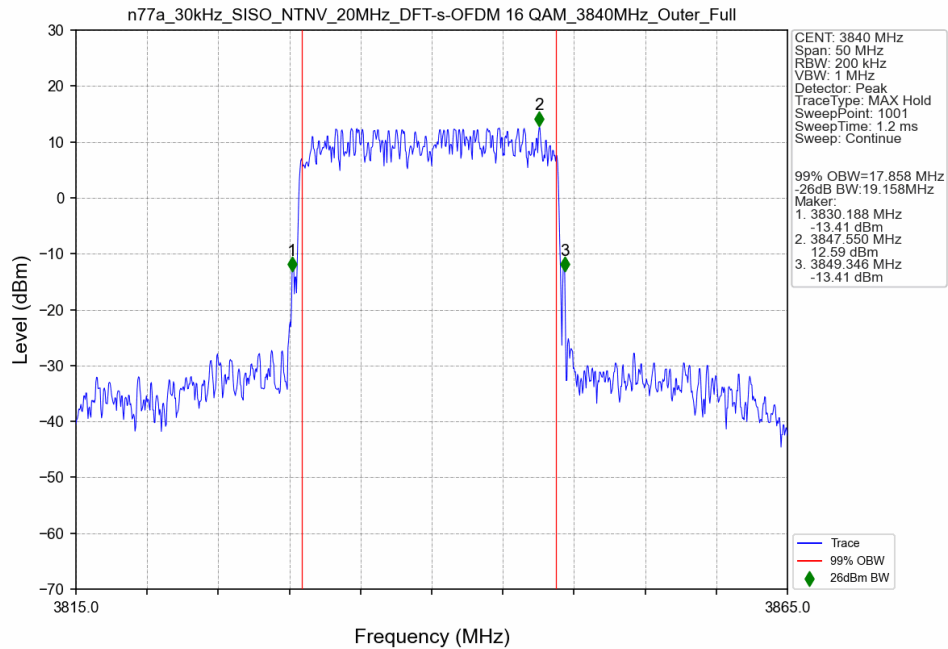
3.2 Test Graph

3.2.1 30_S_20M_NTNV

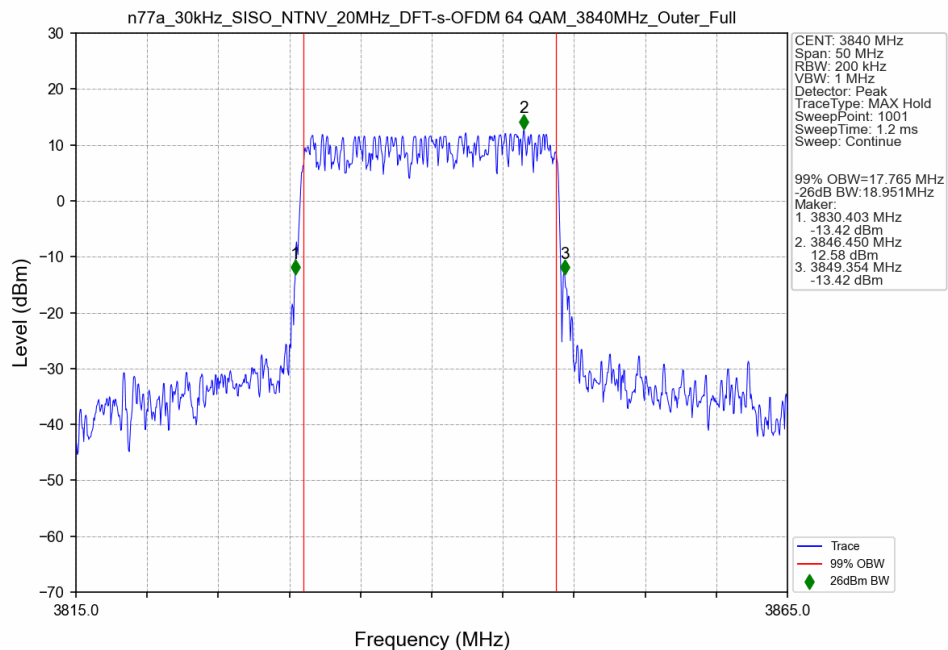




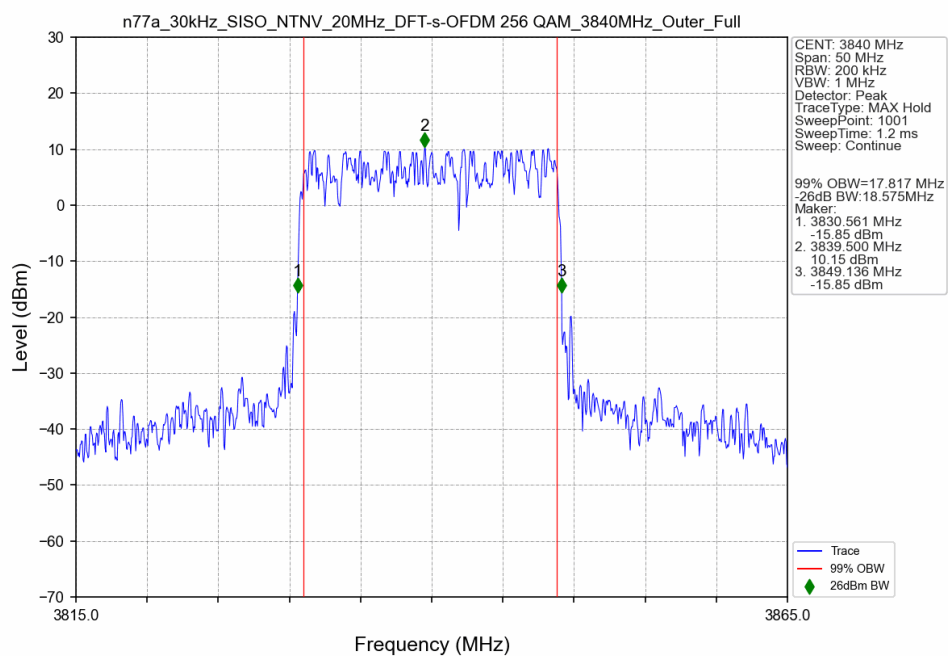
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM 3840MHz_Outer_Full_Ant7



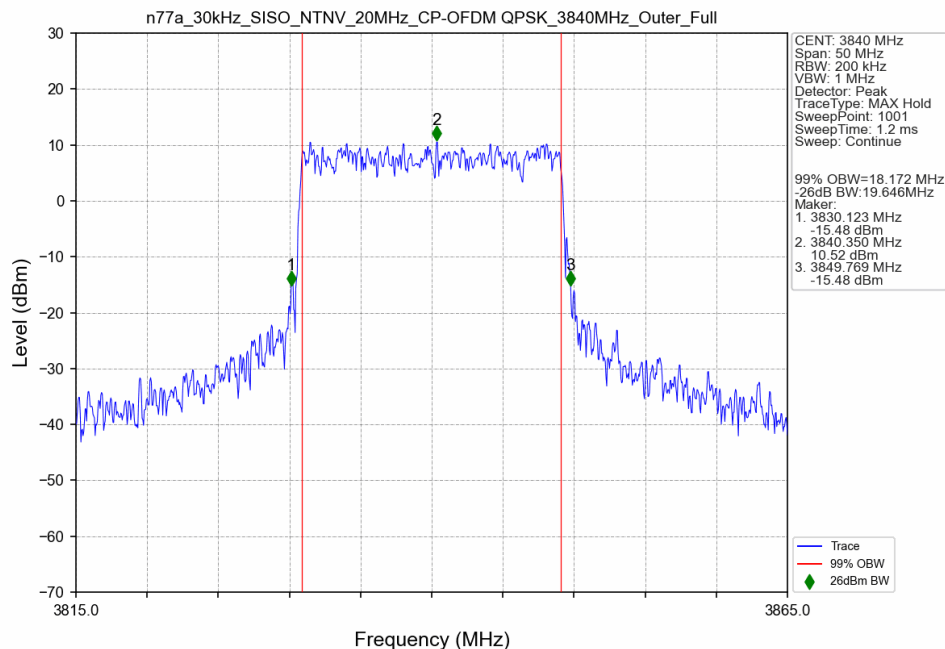
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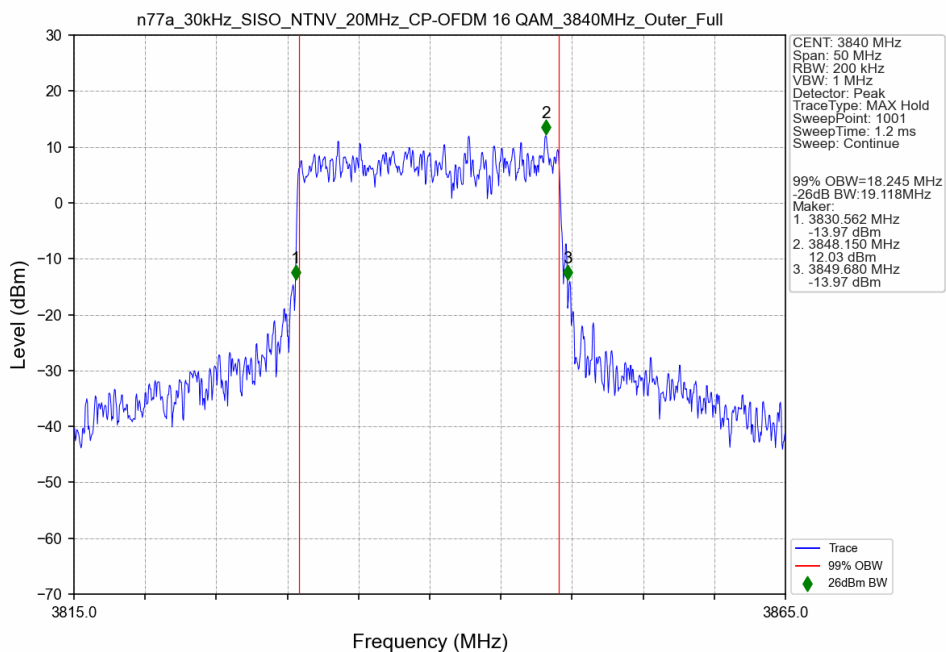
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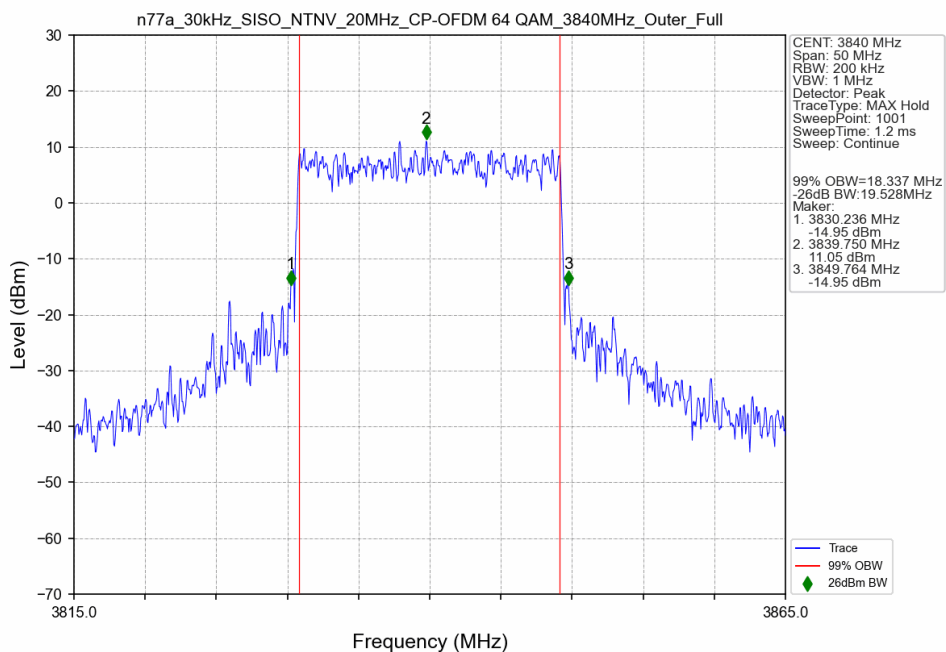
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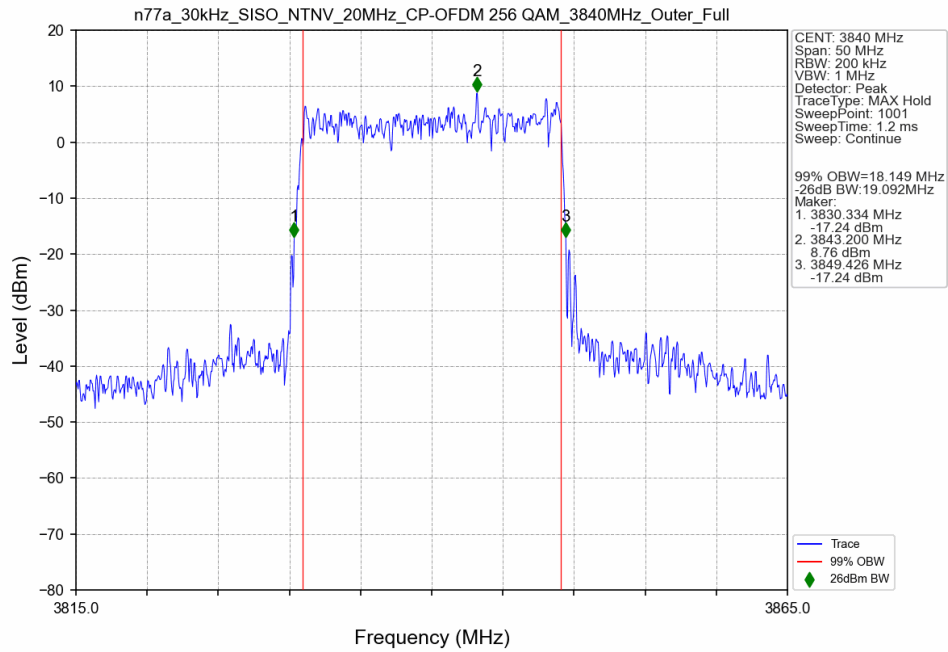
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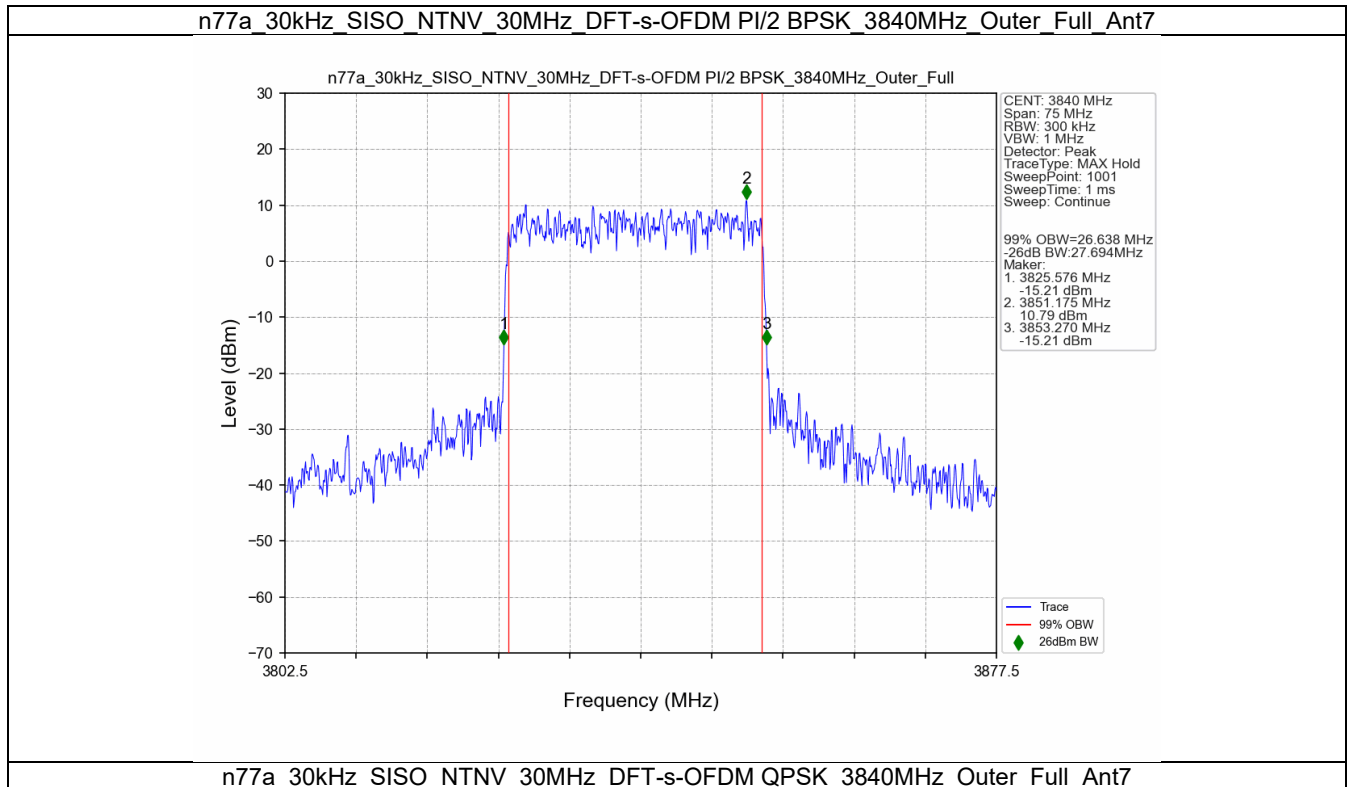
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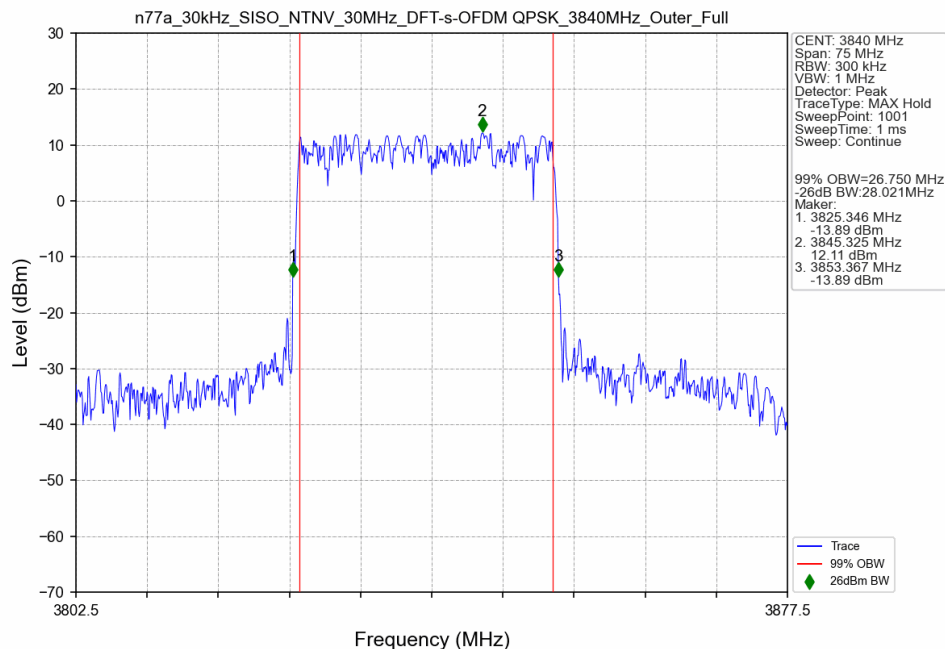


n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant7

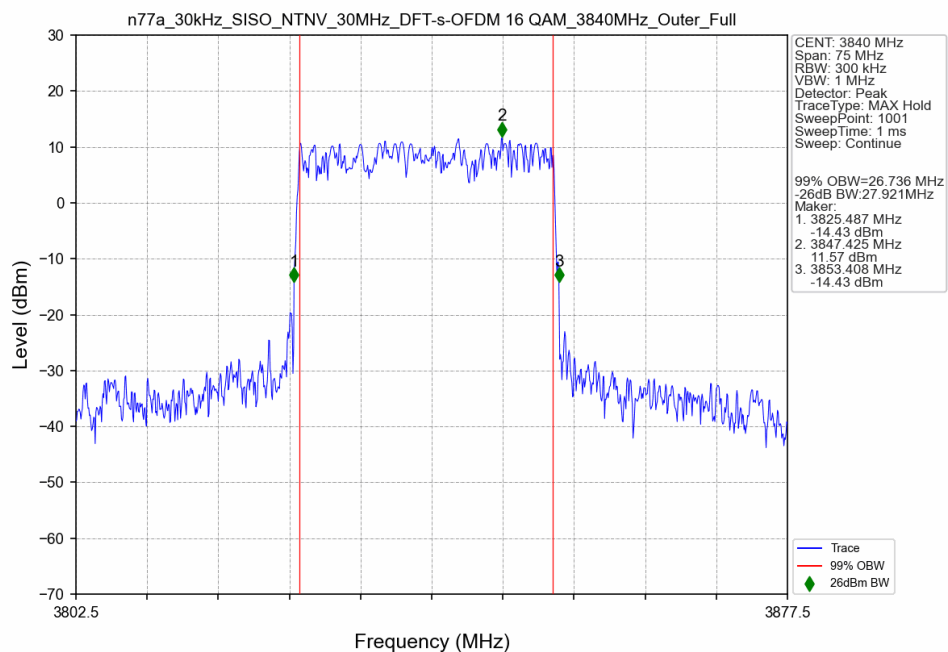


3.2.2 30_S_30M_NTNV

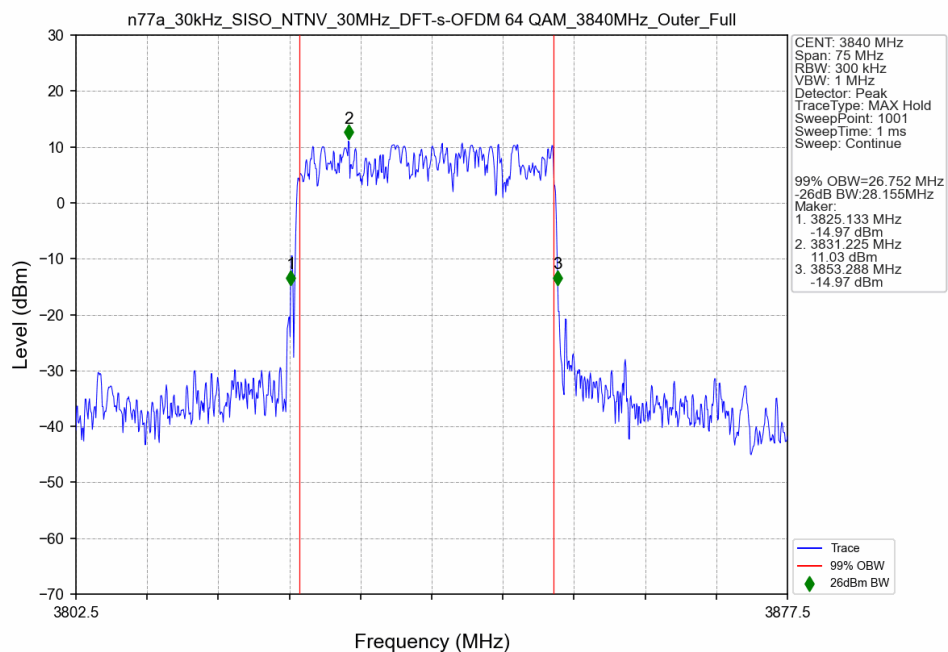




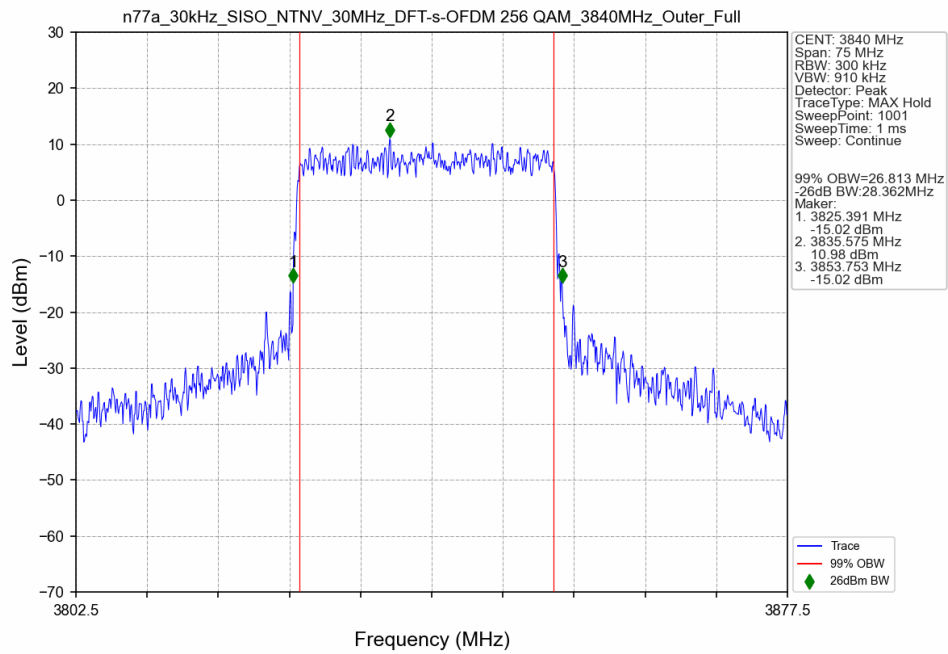
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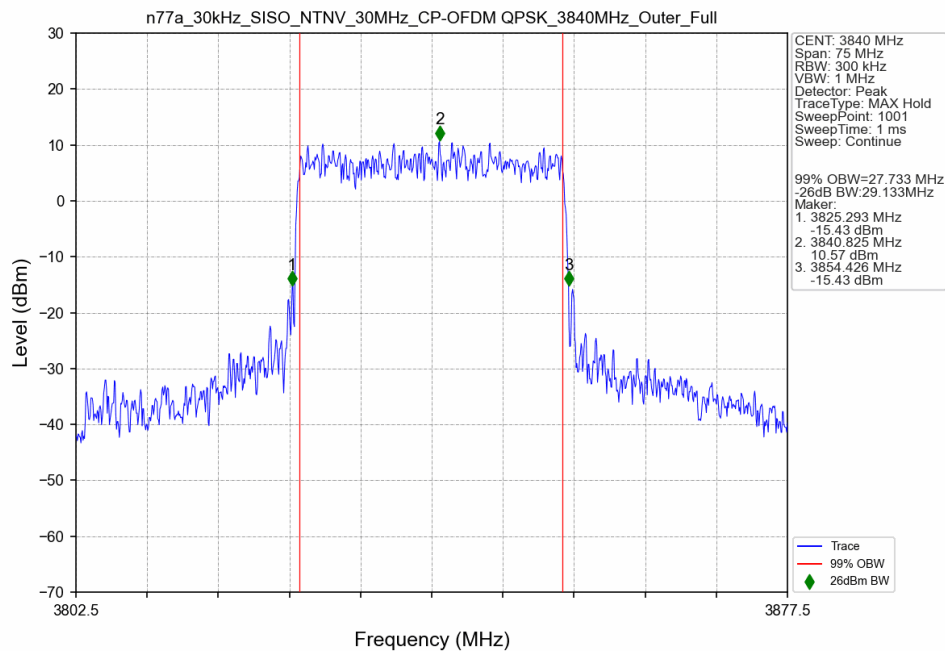
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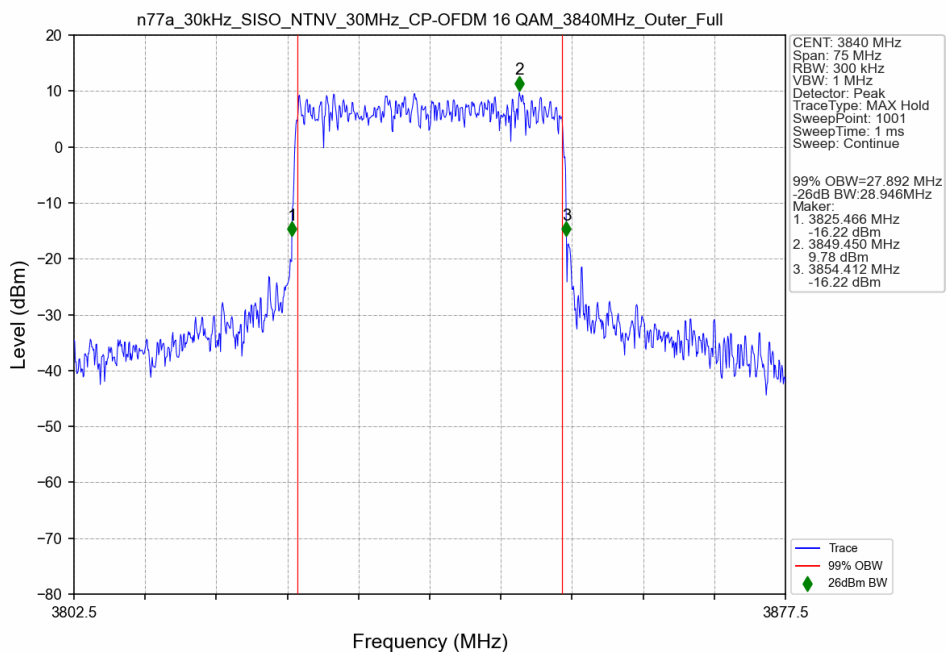
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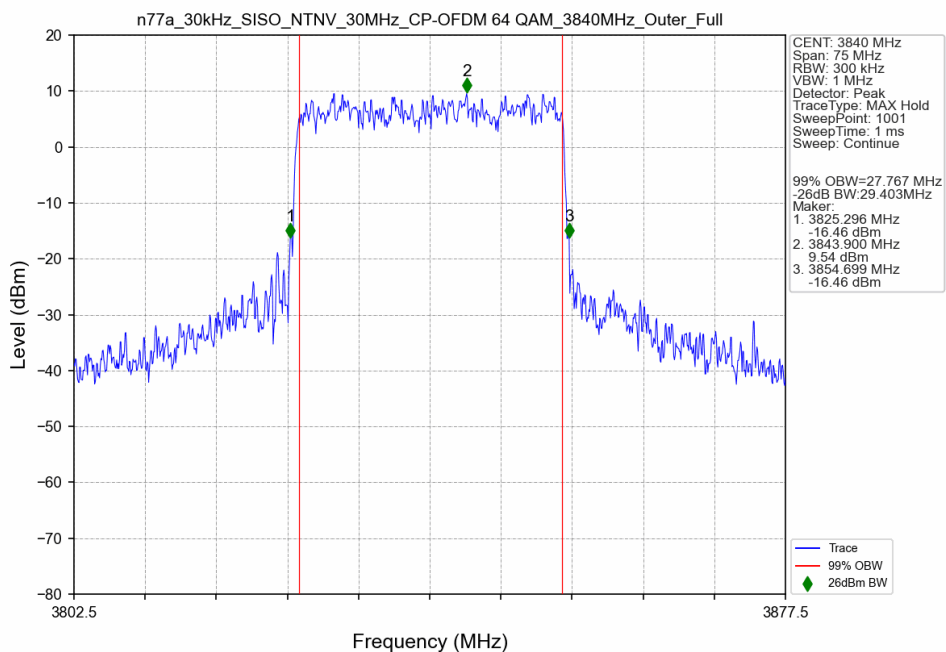
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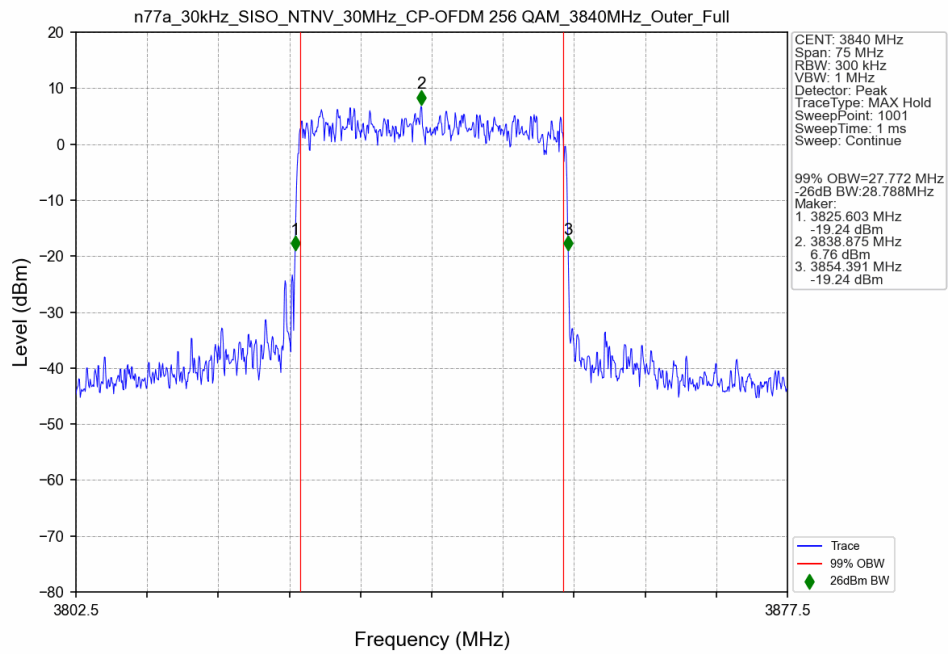
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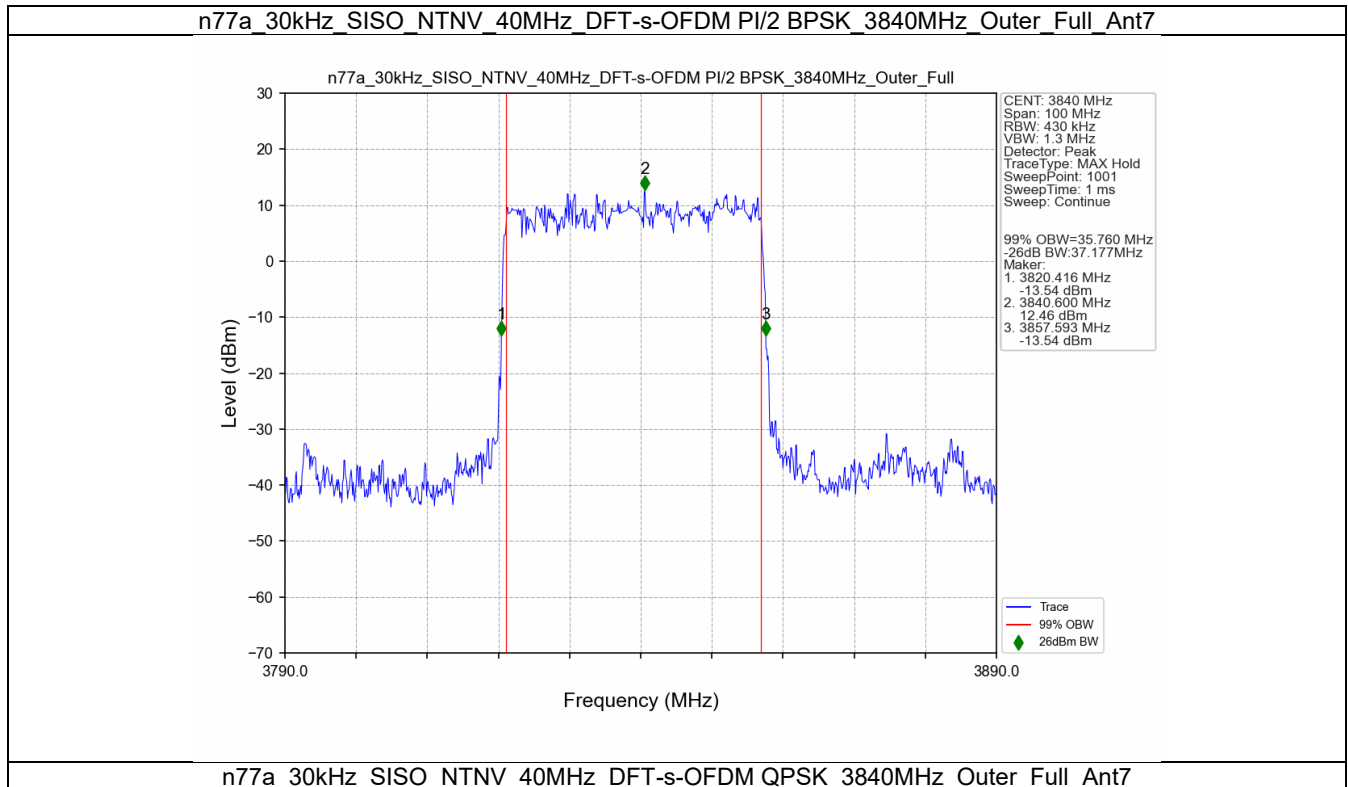
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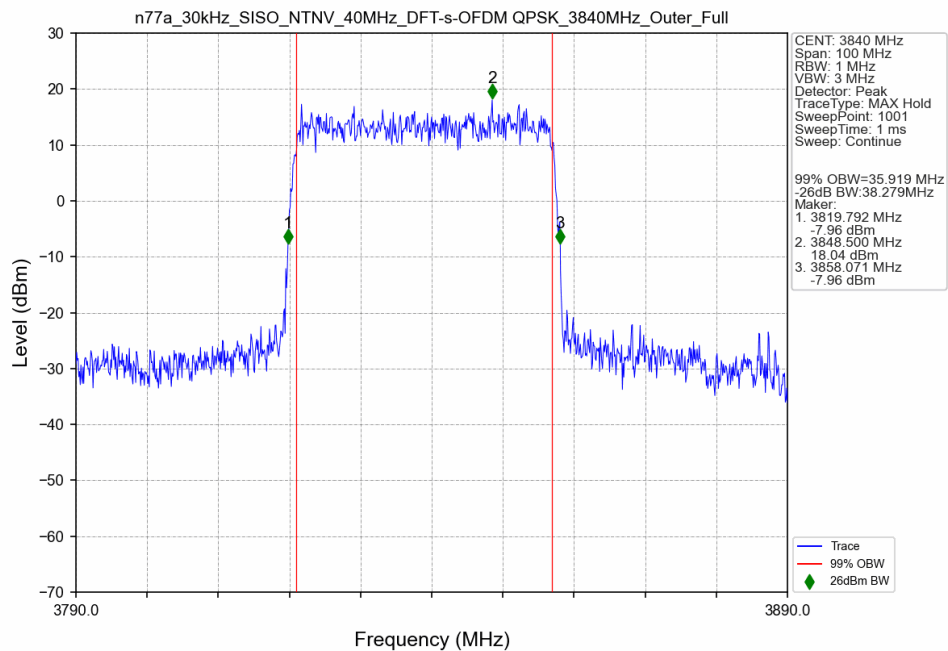


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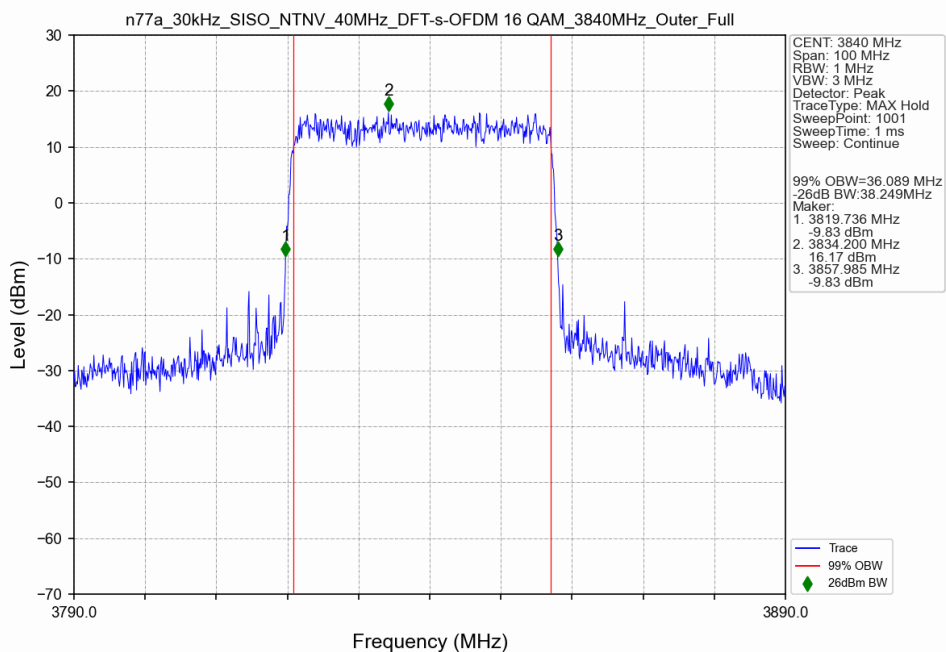


3.2.3 30_S_40M_NTNV

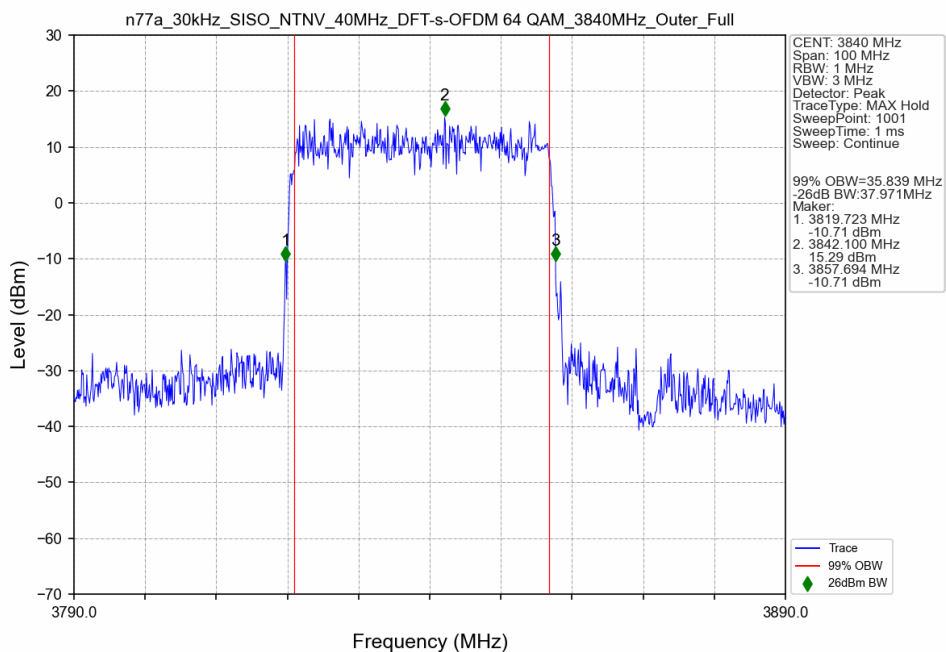


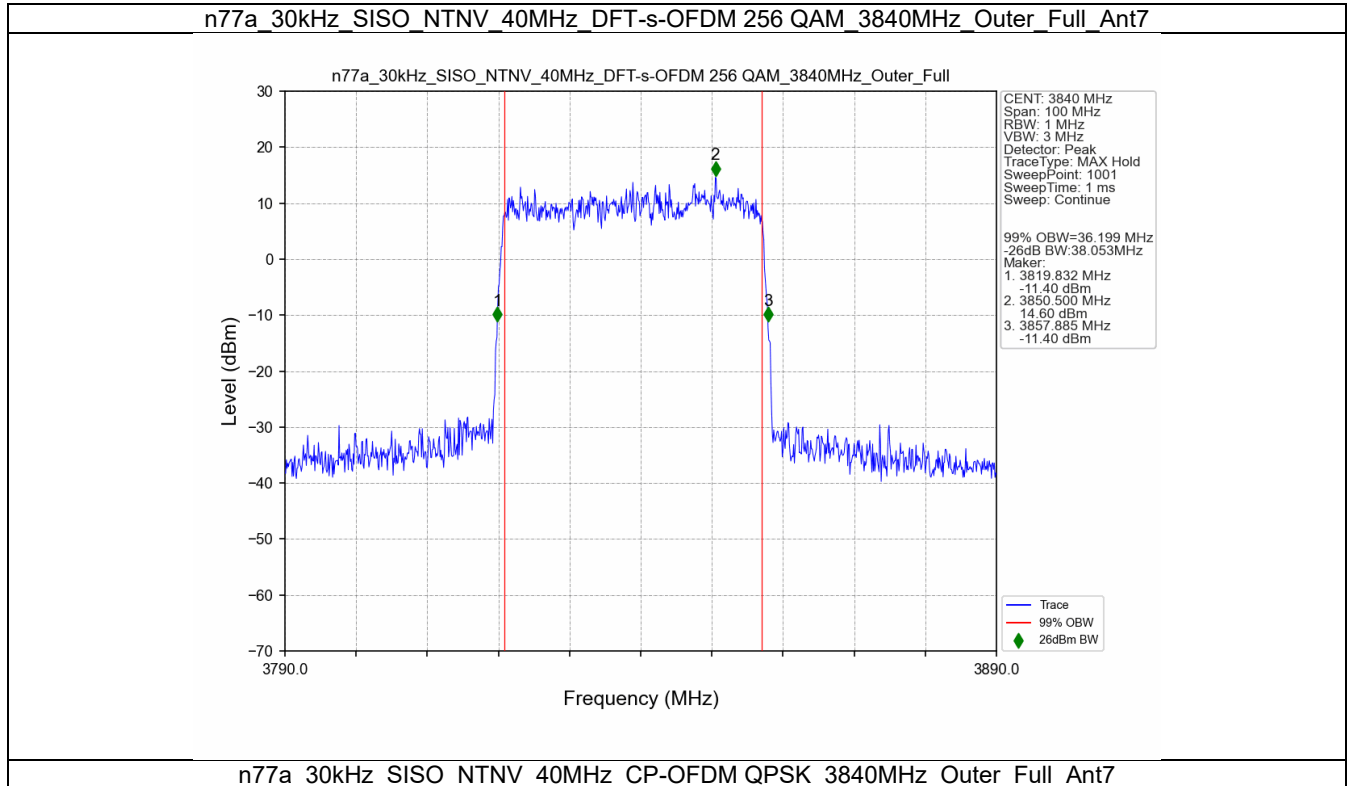


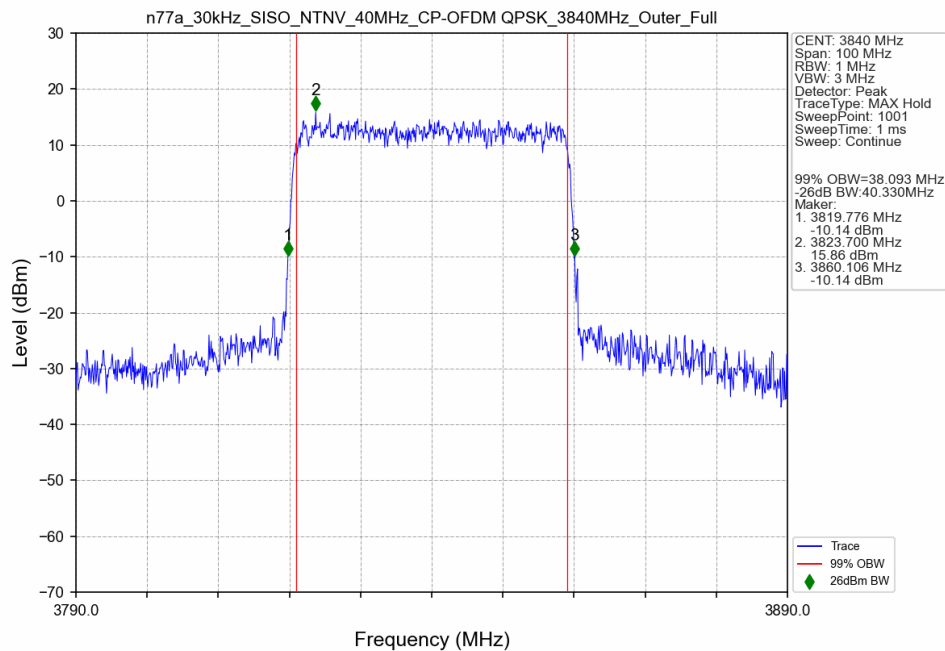
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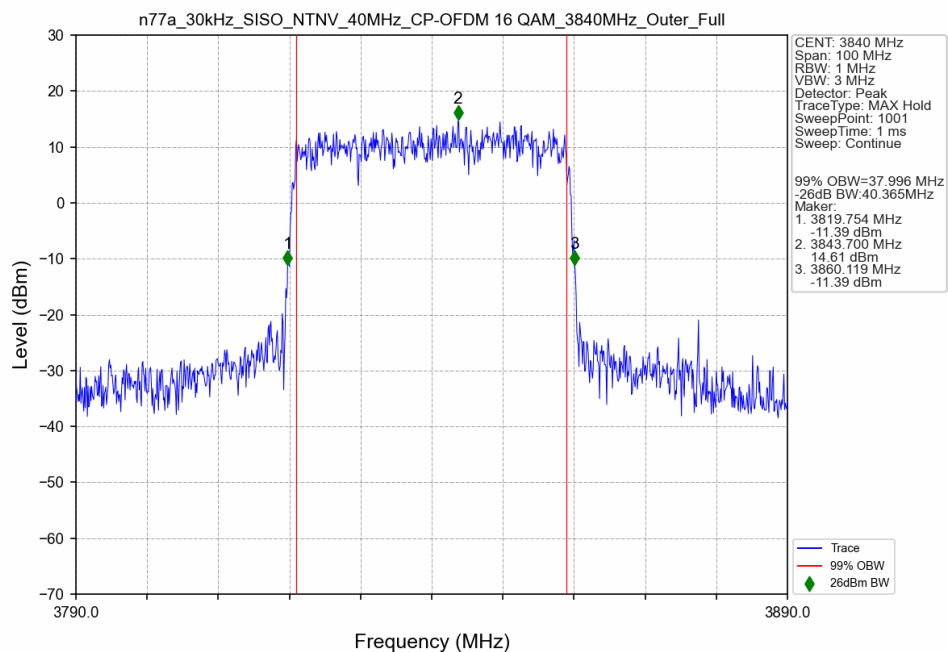
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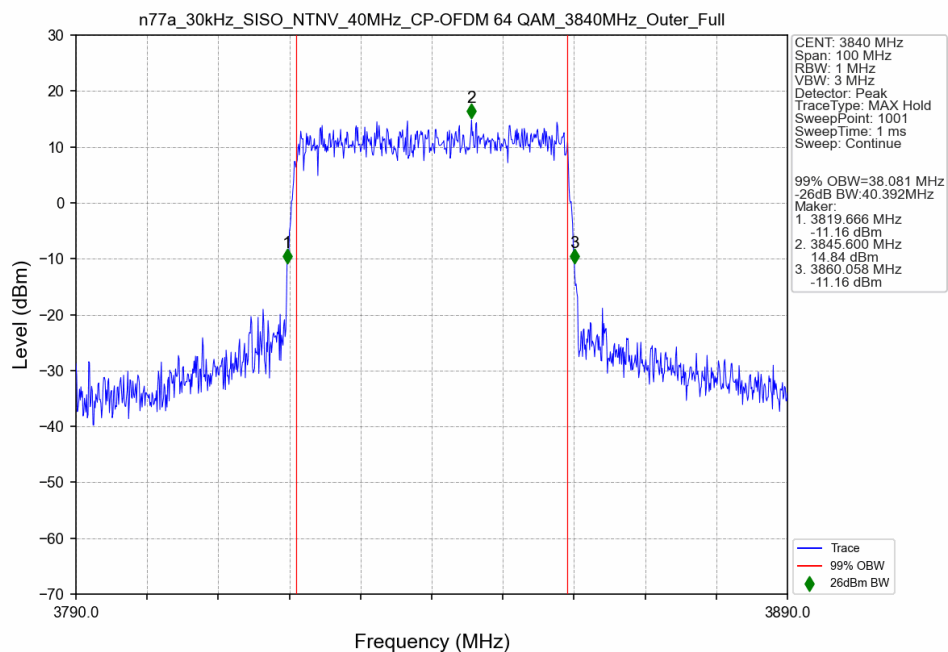




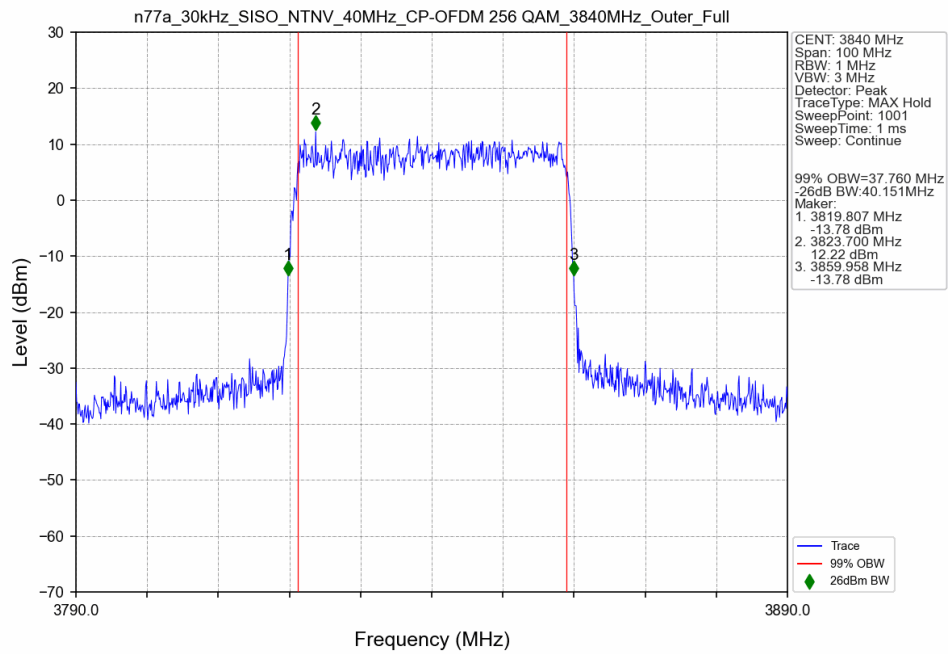
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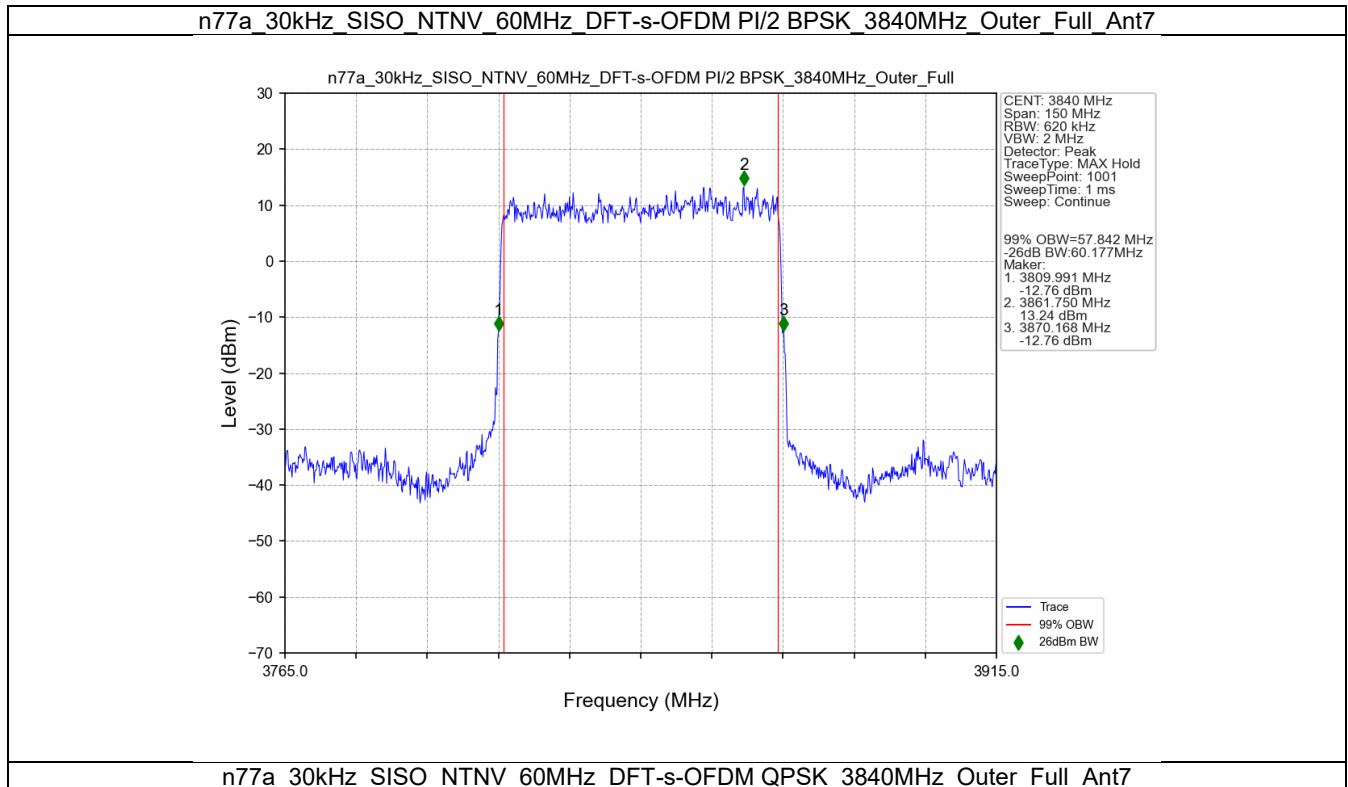
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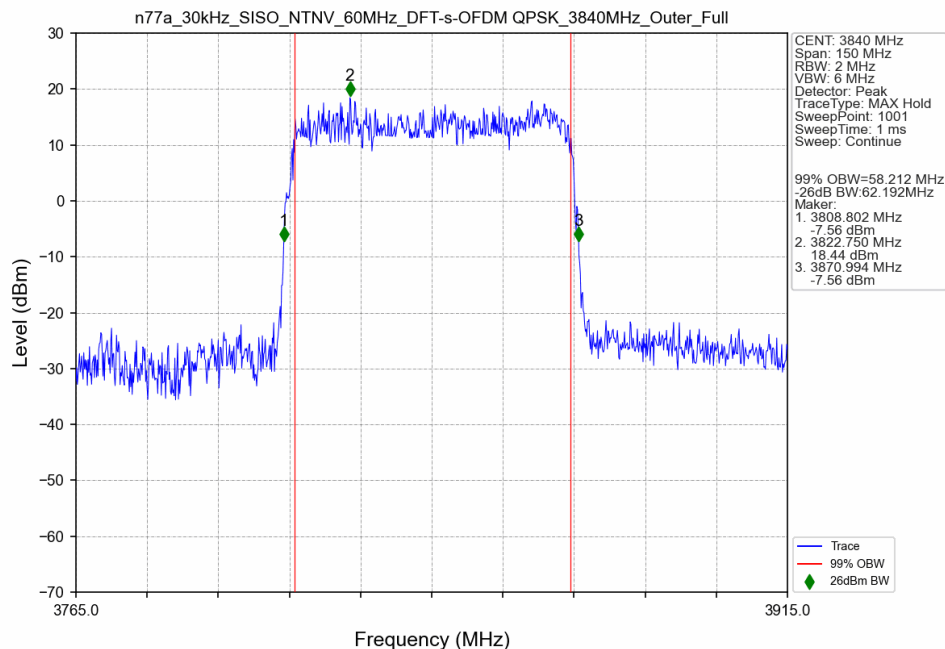


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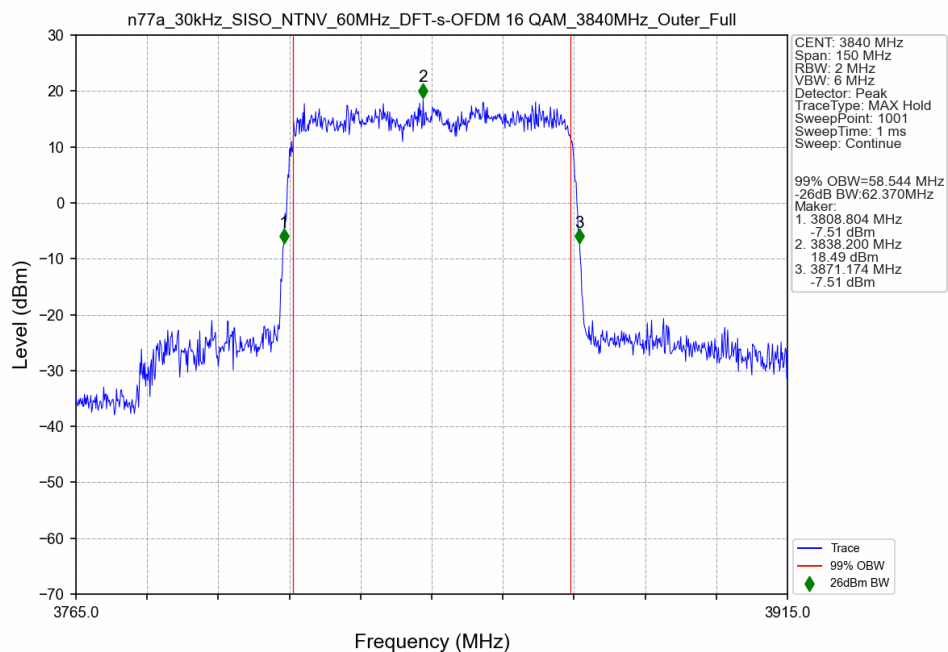


3.2.4 30_S_60M_NTNV

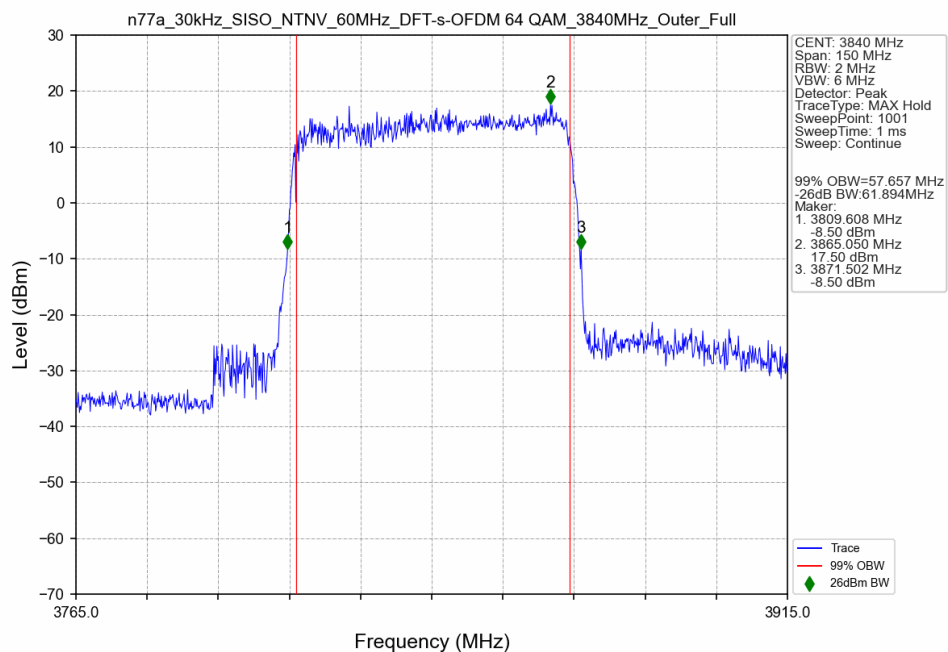


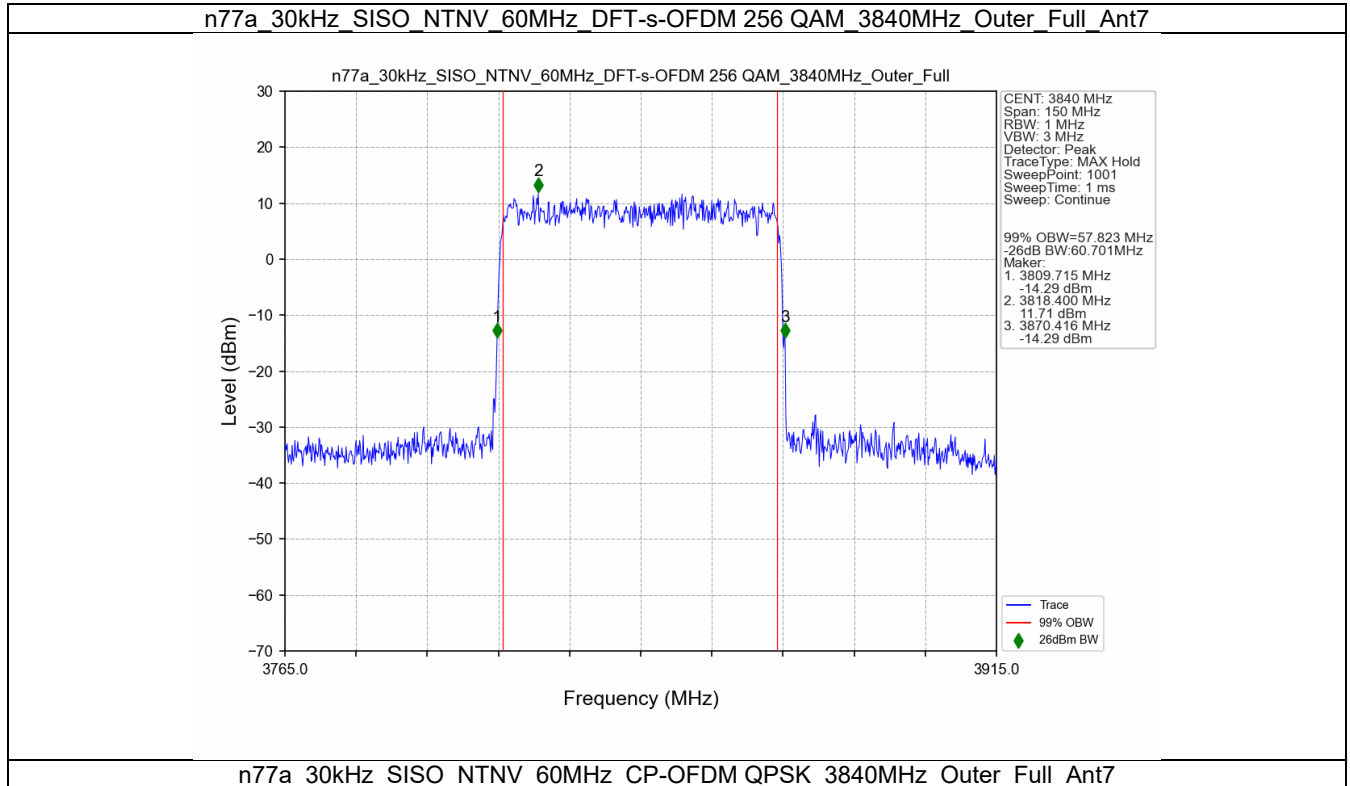


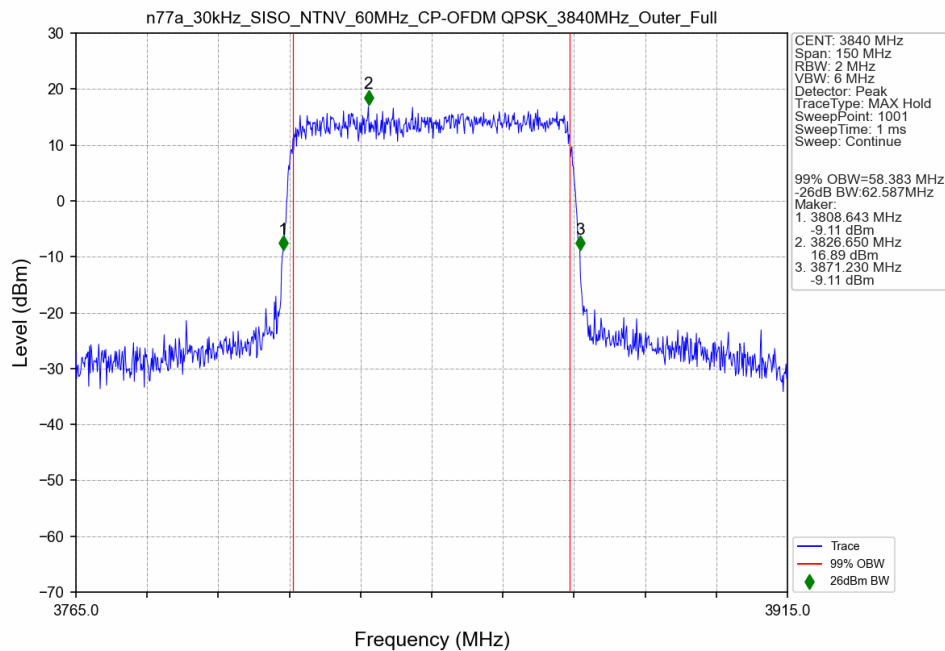
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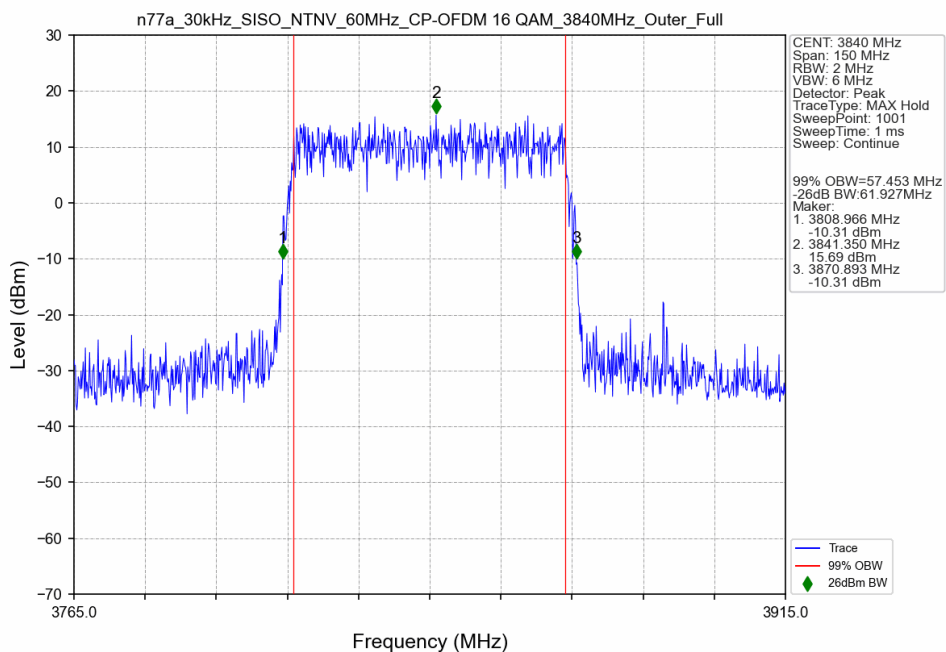
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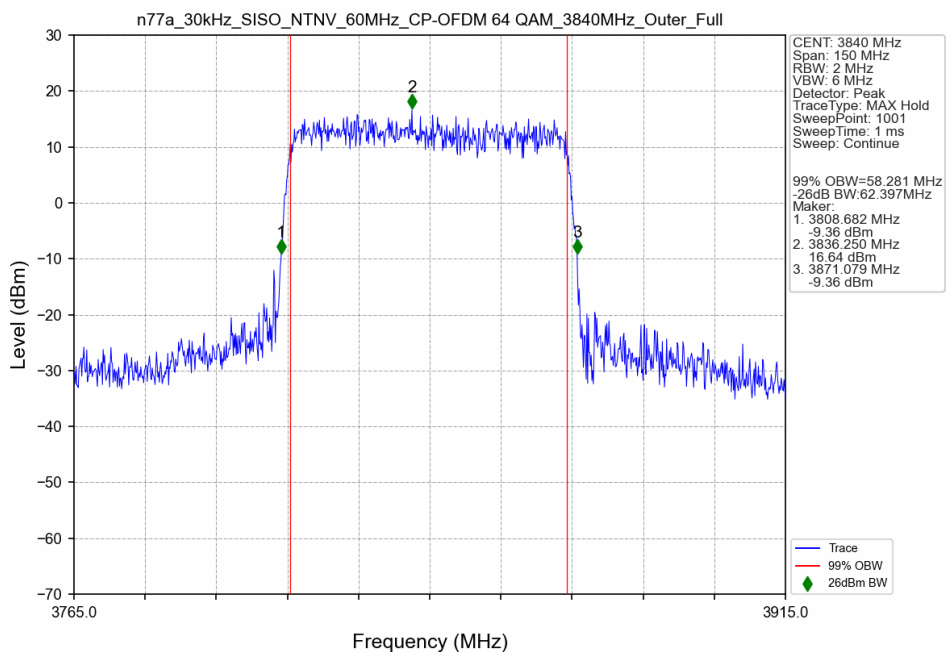




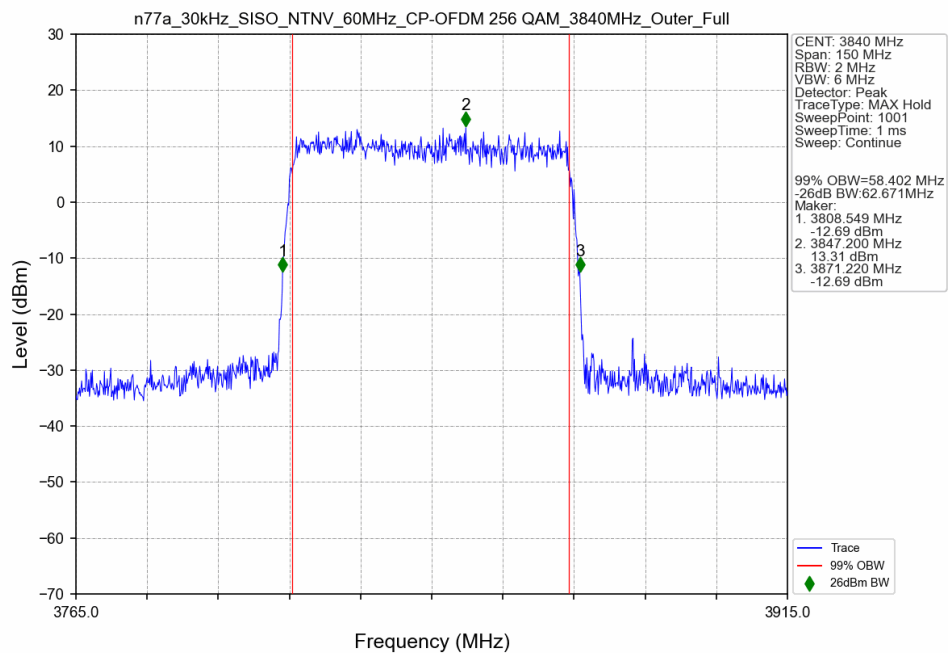
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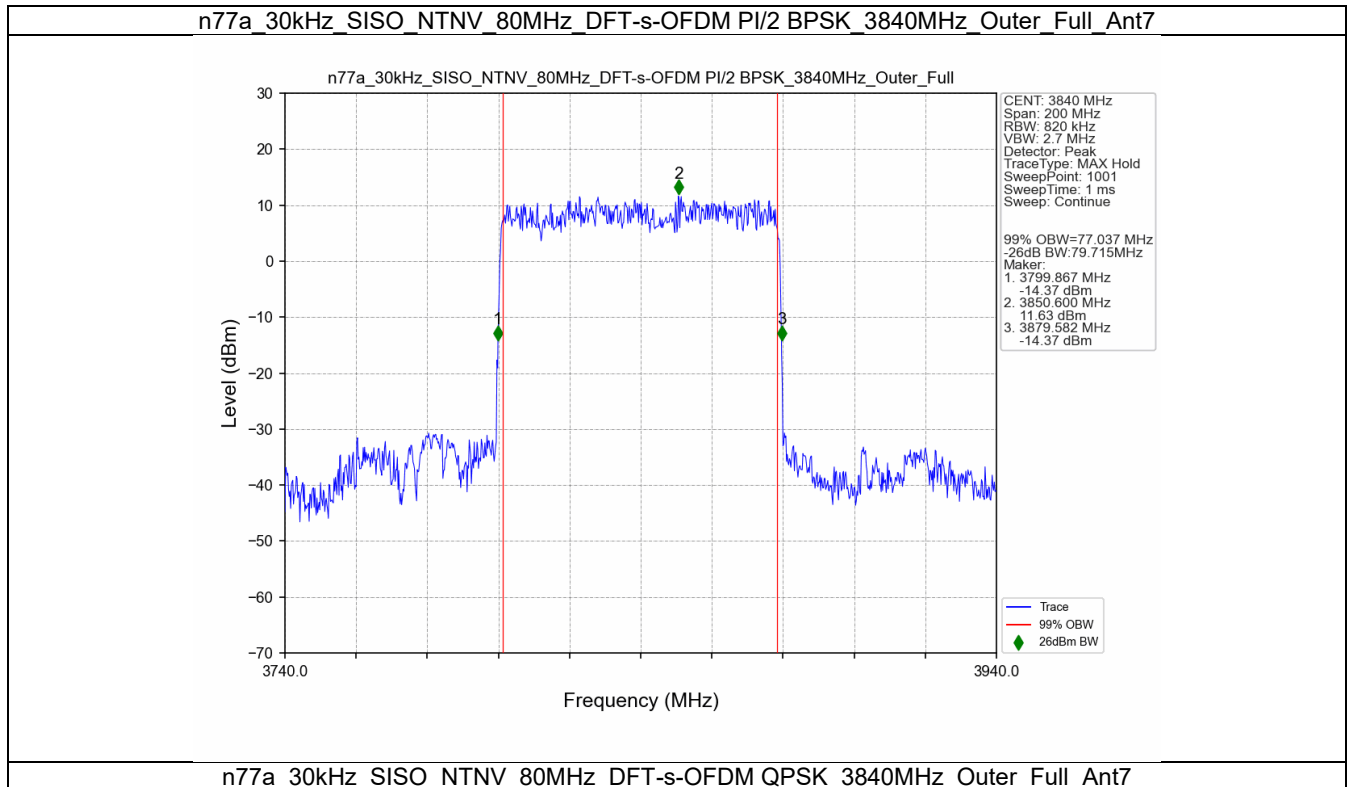
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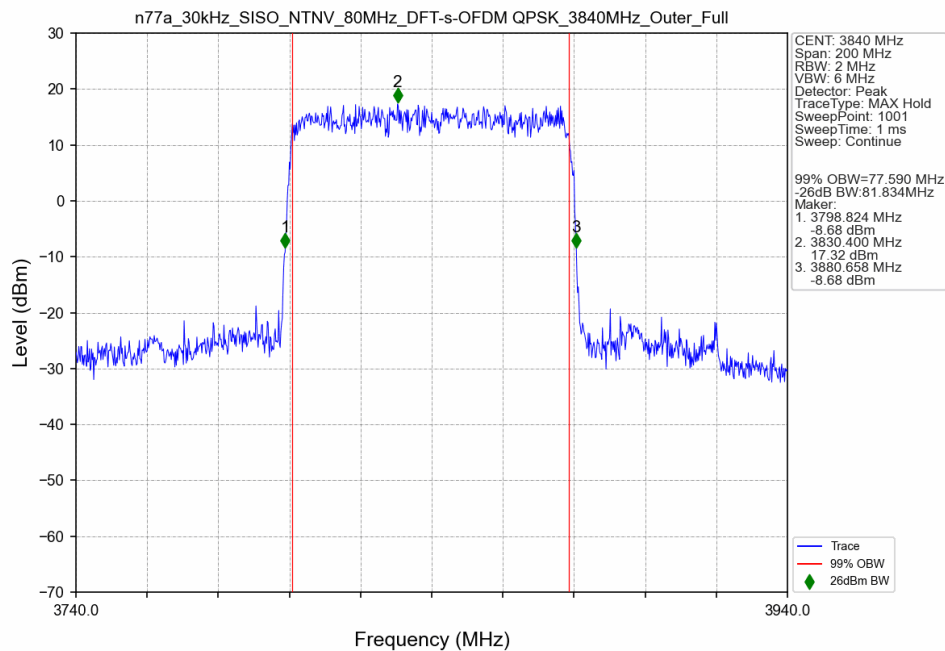


n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant7

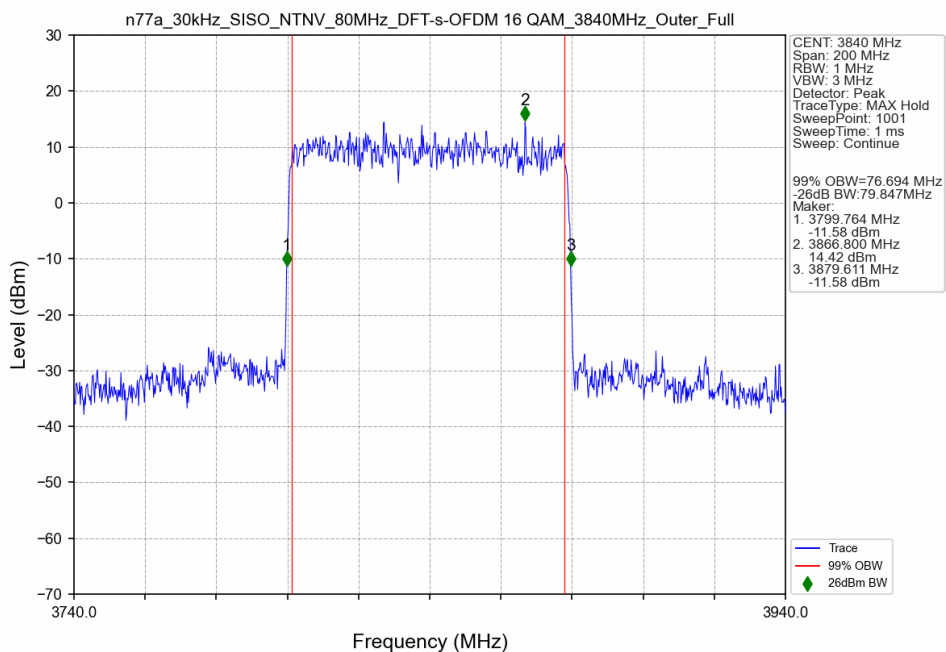


3.2.5 30_S_80M_NTNV

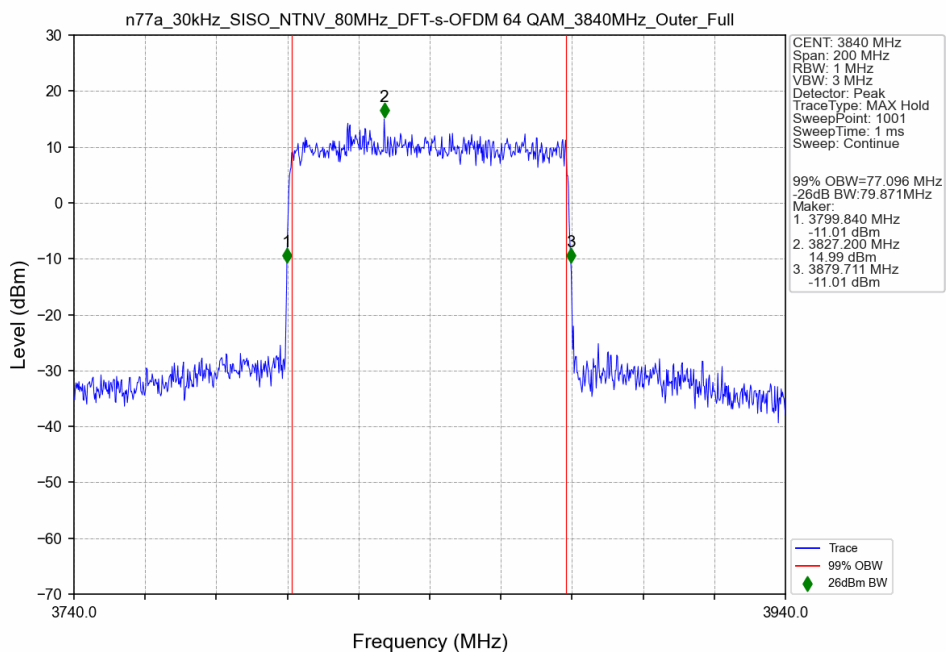


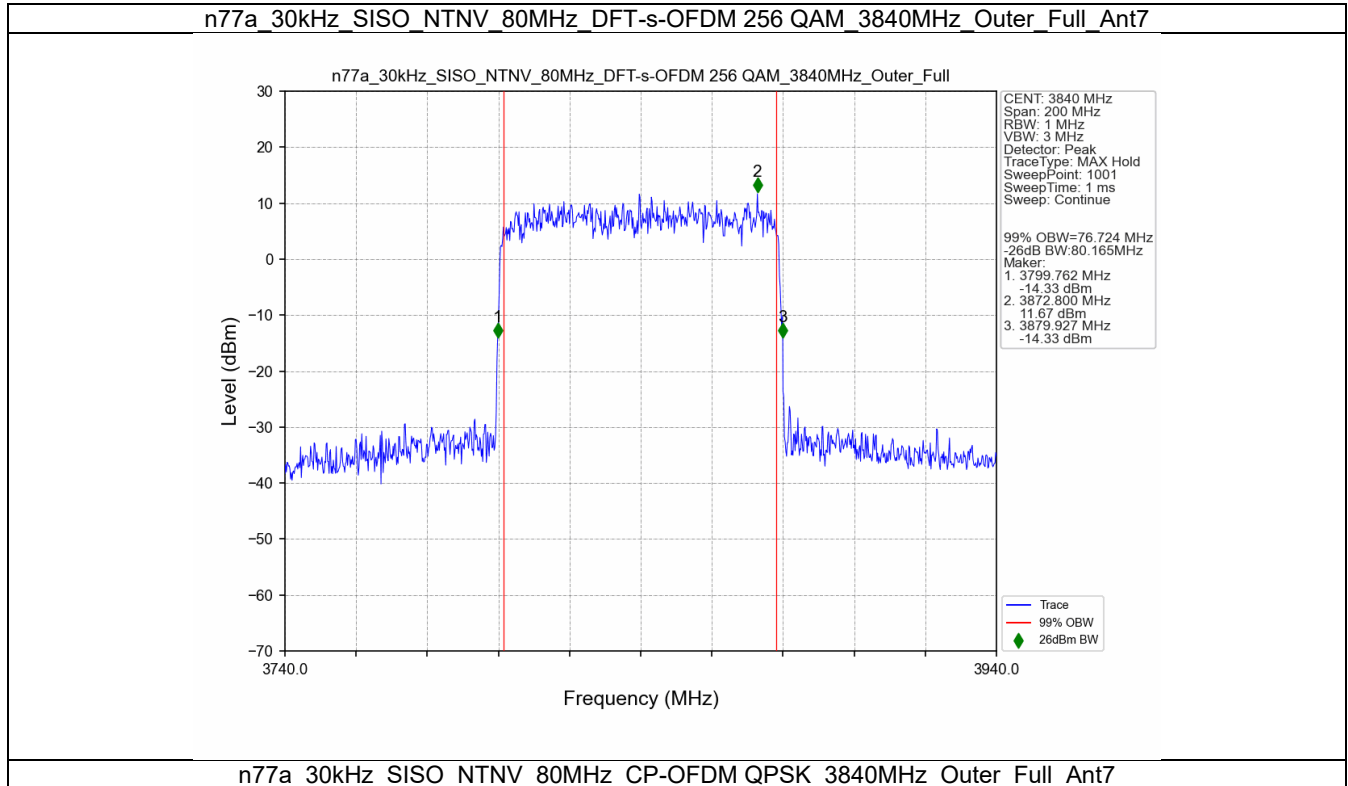


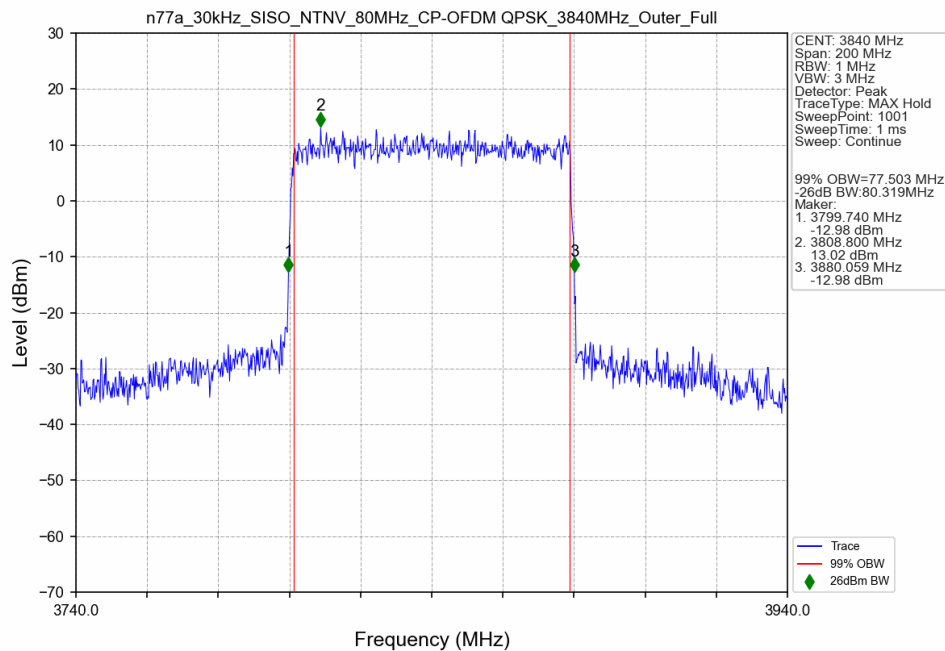
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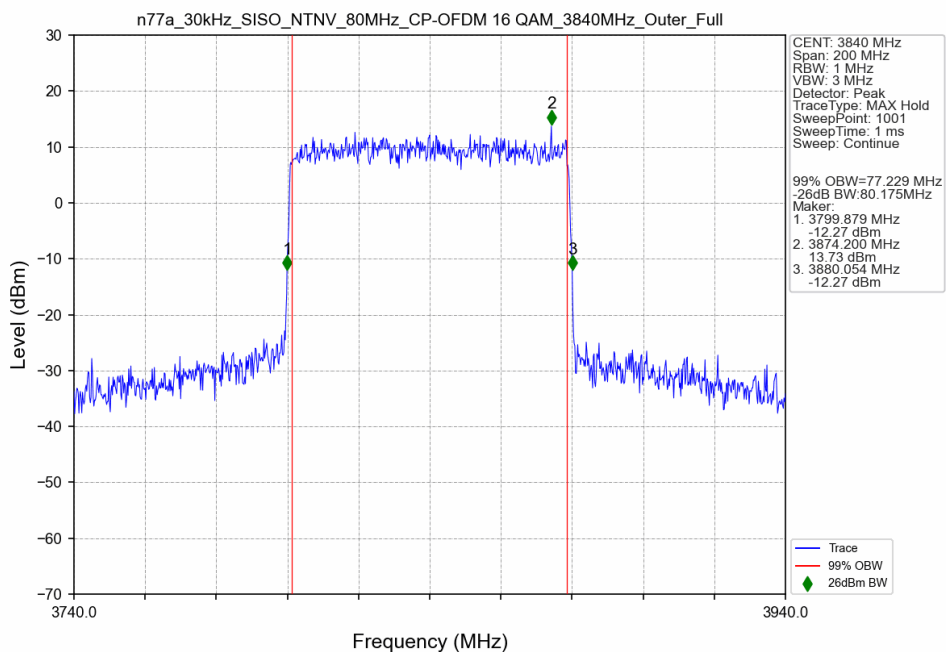
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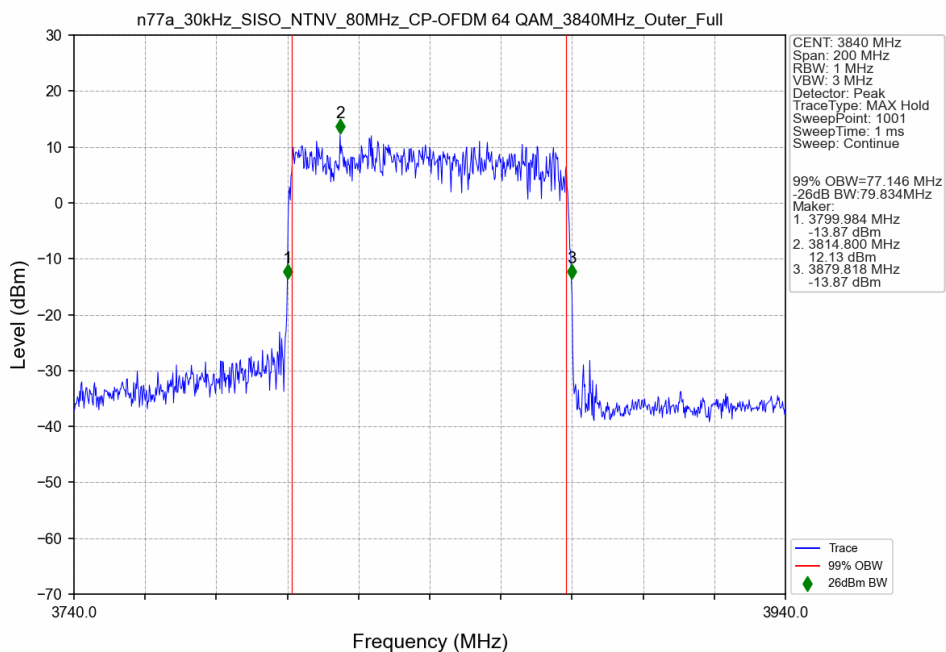




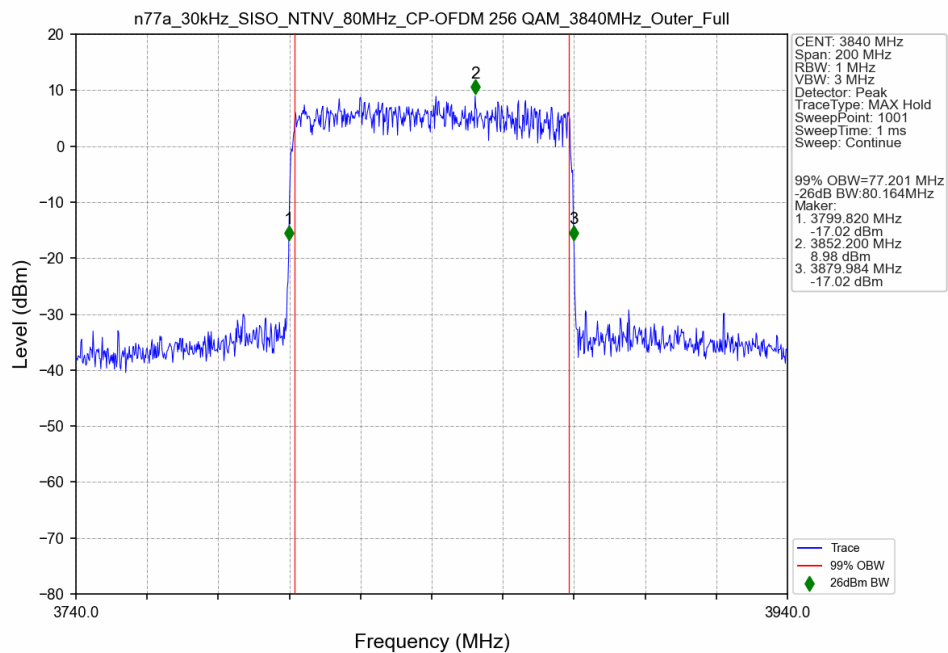
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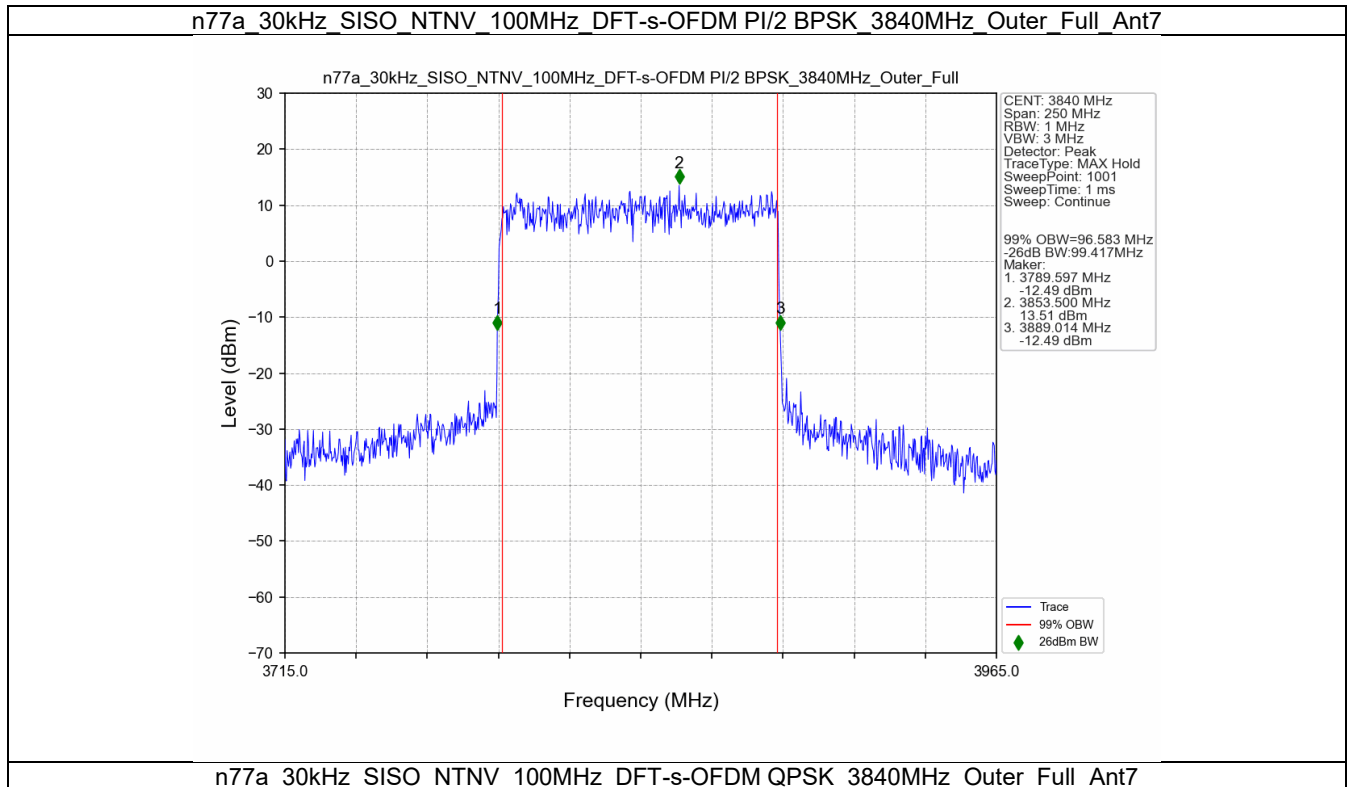
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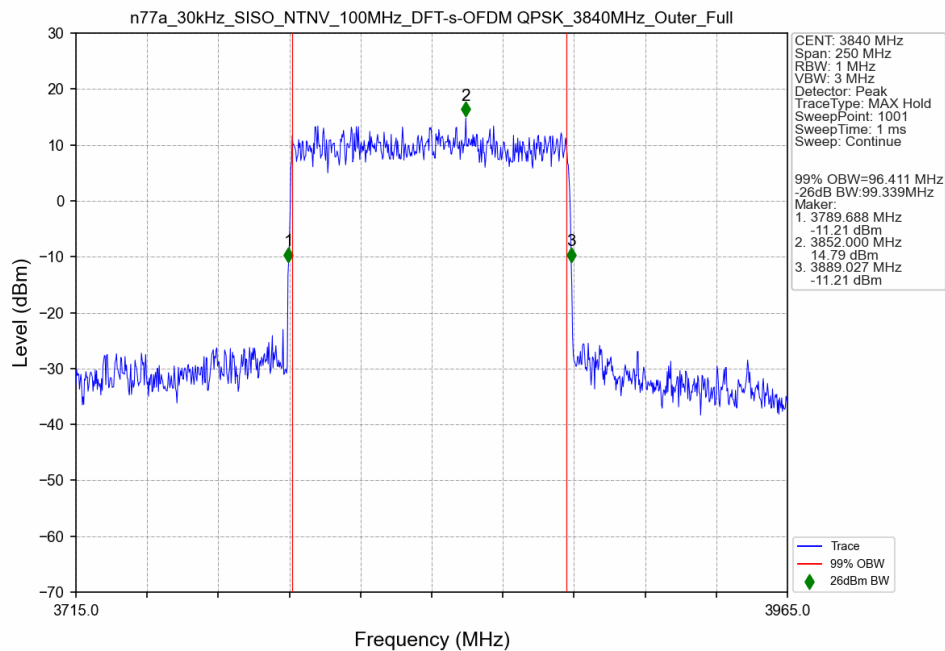


n77a_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant7

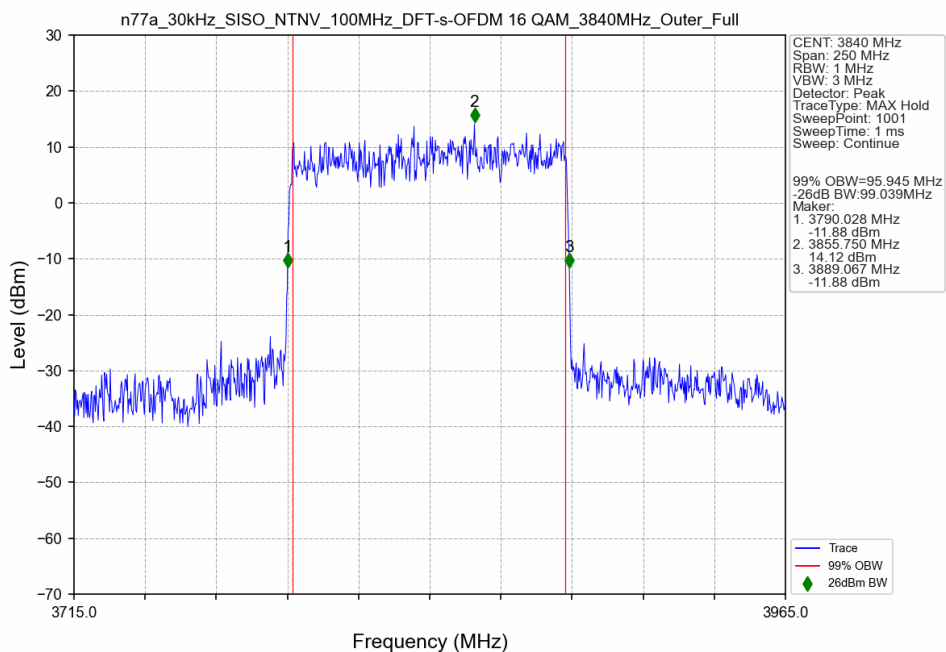


3.2.6 30_S_100M_NTNV

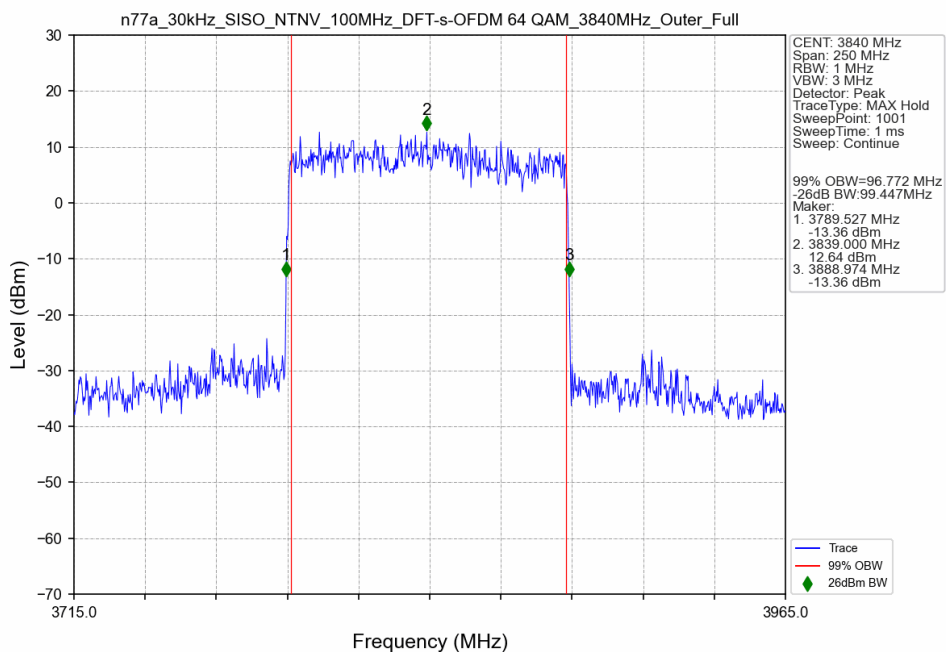


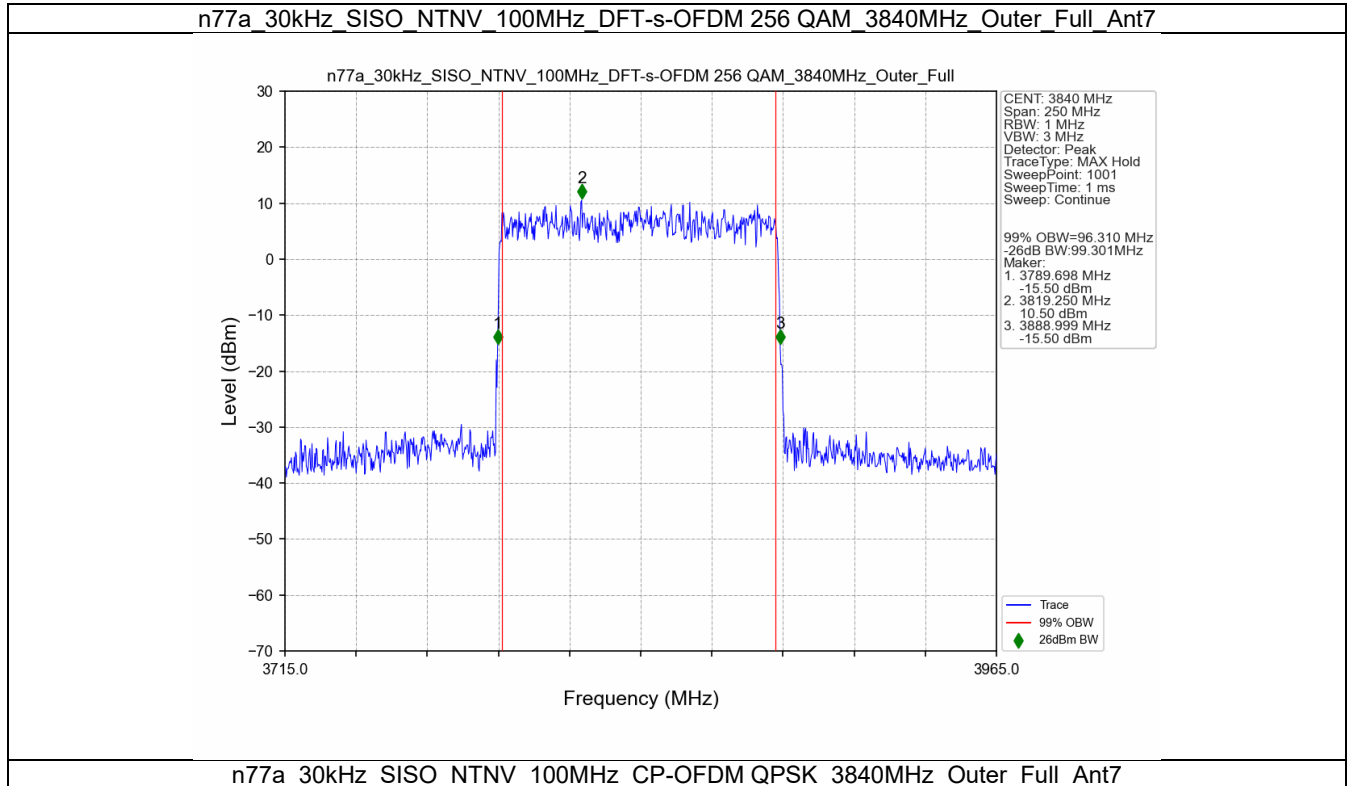


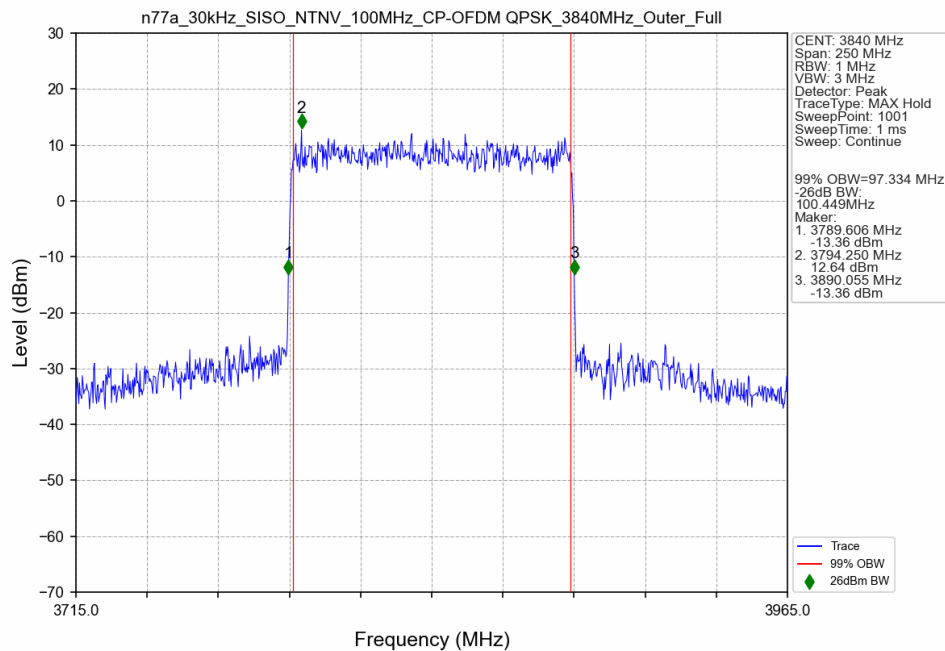
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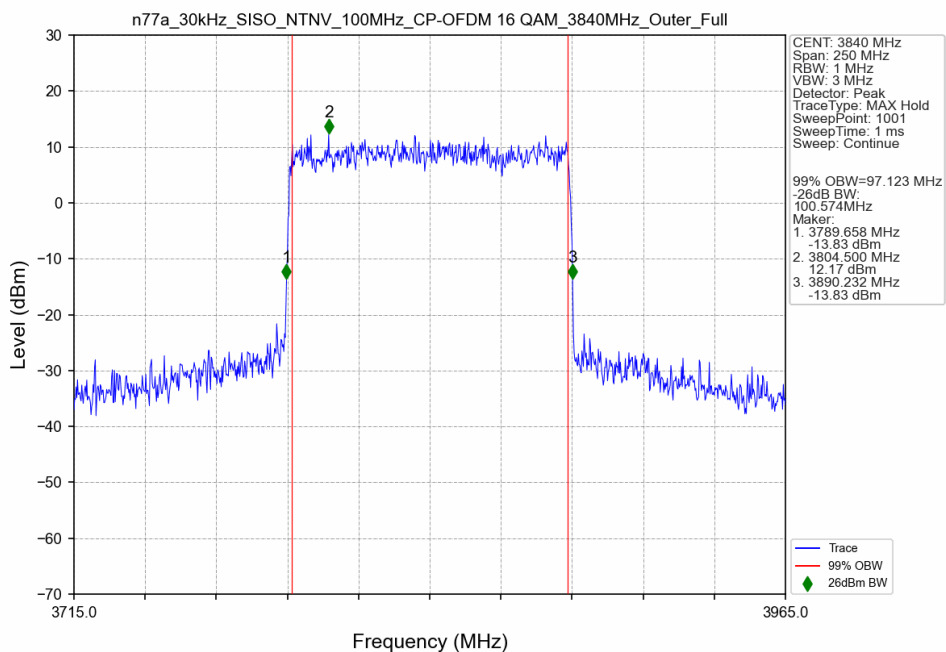
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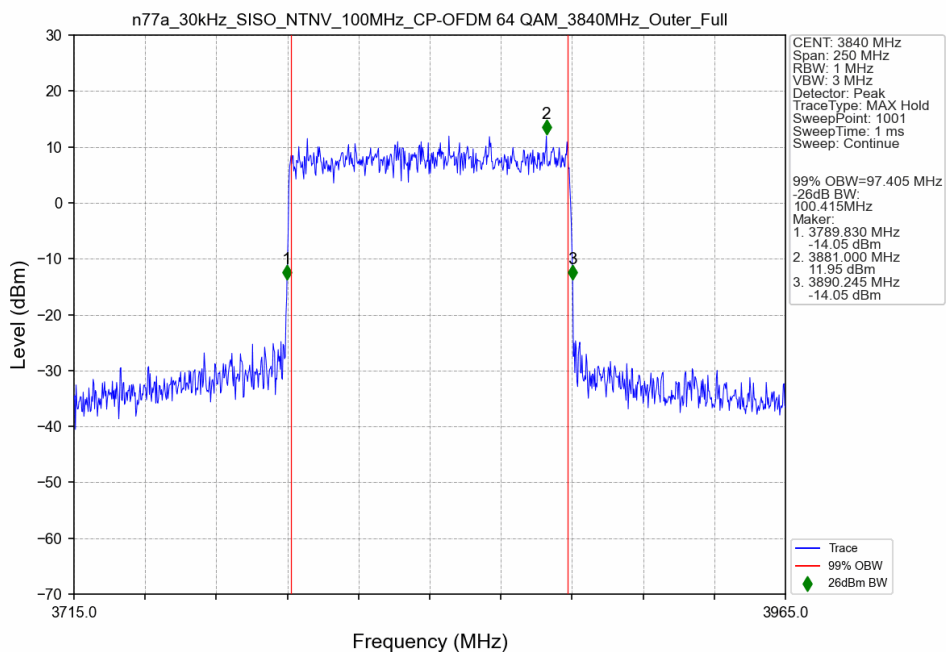




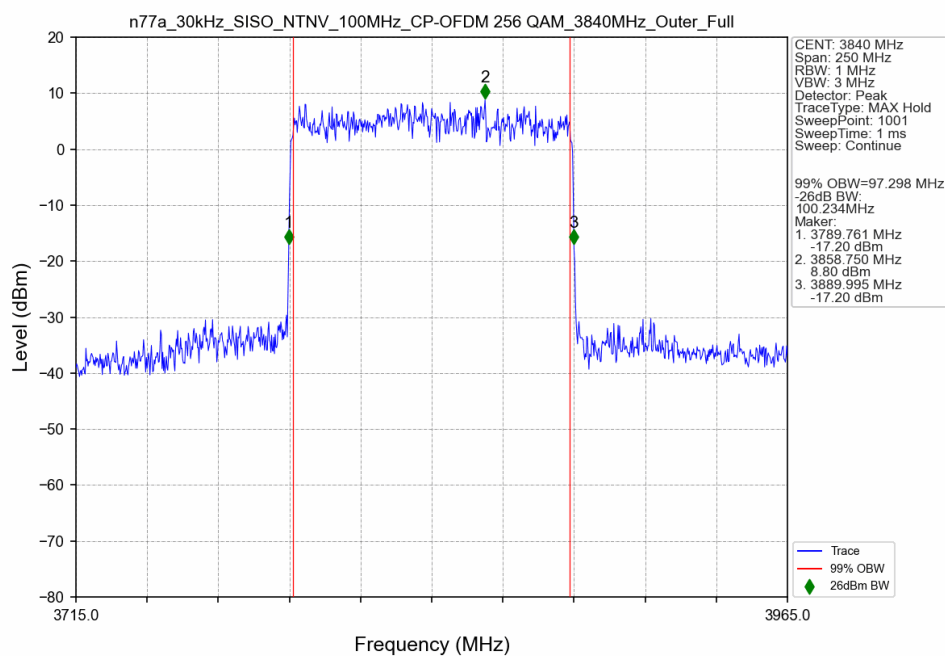
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n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant7



n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full_Ant7





4. Peak-Average Ratio

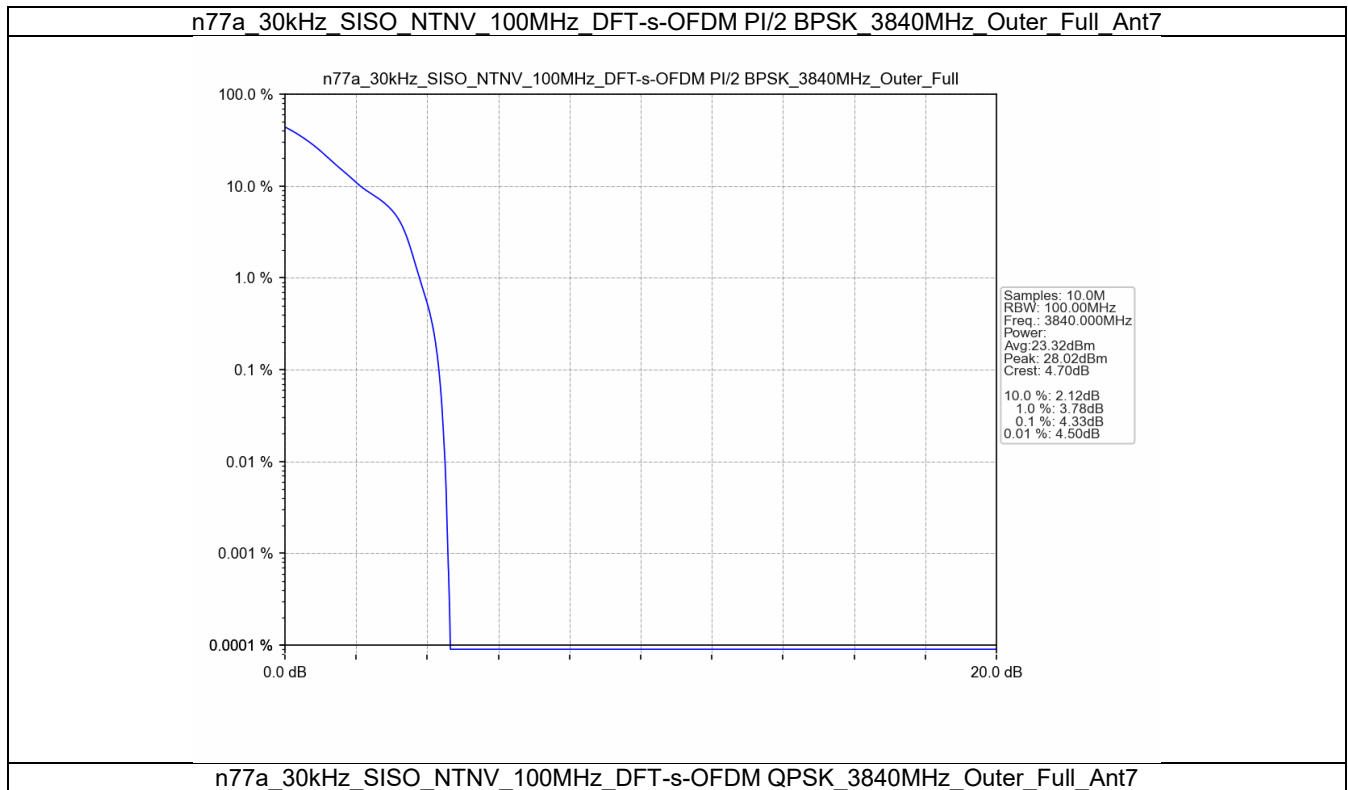
4.1 Test Result

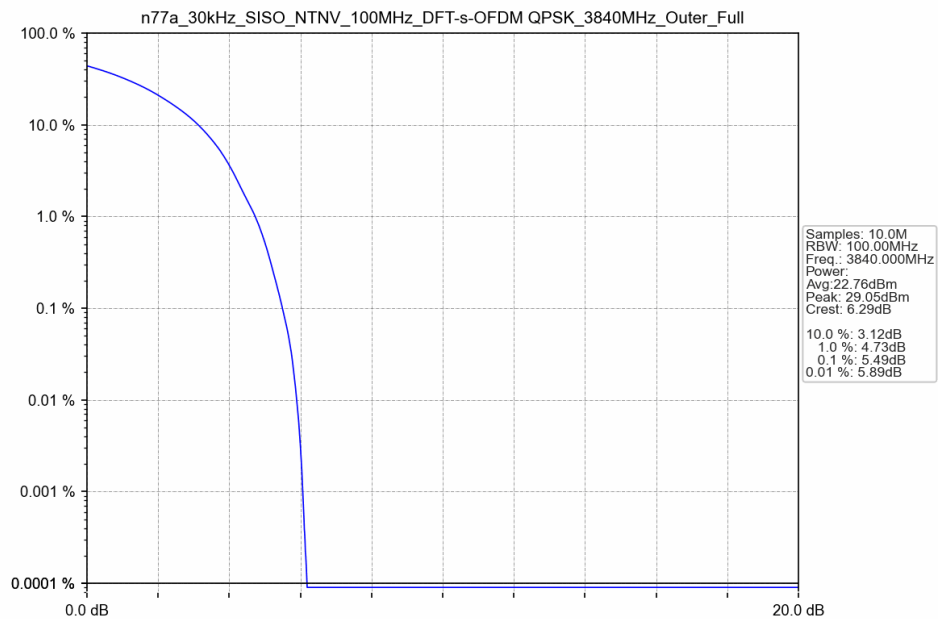
4.1.1 30_S_100M_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	4.33	/	/	<=13	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	5.49	/	/	<=13	Pass
CP-OFDM QPSK	3840	Outer_Full	8.02	/	/	<=13	Pass

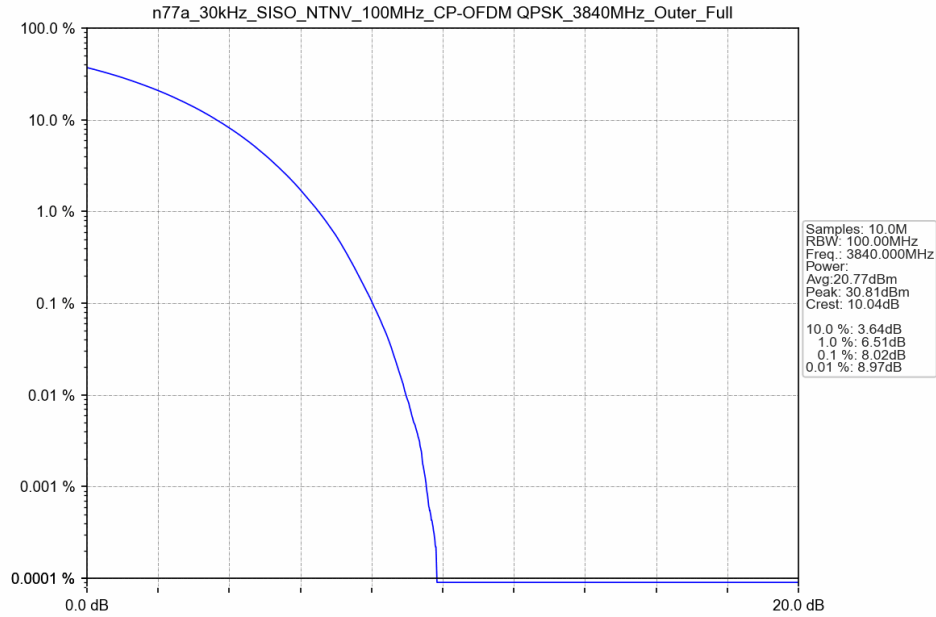
4.2 Test Graph

4.2.1 30_S_100M_NTNV





n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant7



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
			Ant7	Ant2	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
		Edge_1RB_Right	Refer To Test Graph				Pass
	3969.99	Outer_Full	Refer To Test Graph				Pass
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
		Edge_1RB_Right	Refer To Test Graph				Pass
	3969.99	Outer_Full	Refer To Test Graph				Pass
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
		Edge_1RB_Right	Refer To Test Graph				Pass
	3969.99	Outer_Full	Refer To Test Graph				Pass

5.1.2 30_S_60M_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant7	Ant2	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



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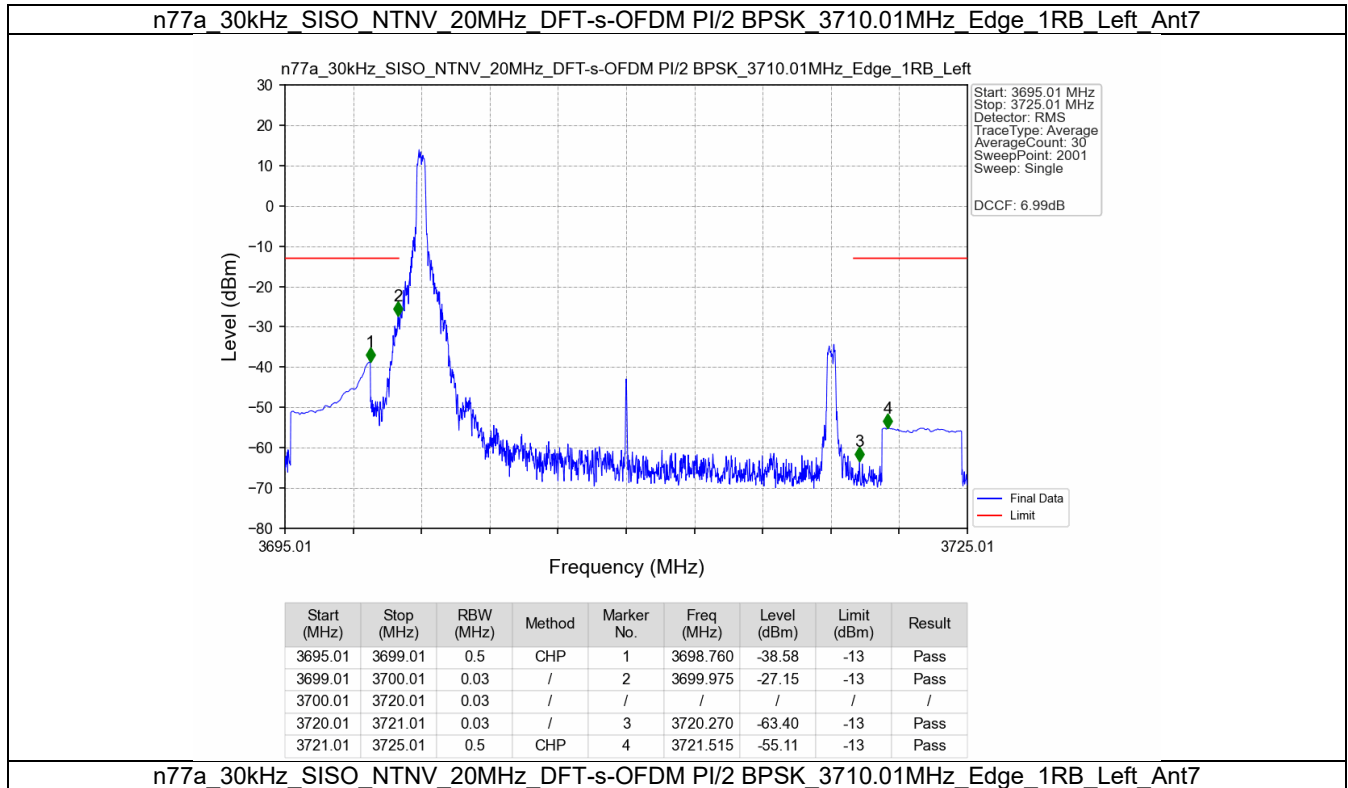
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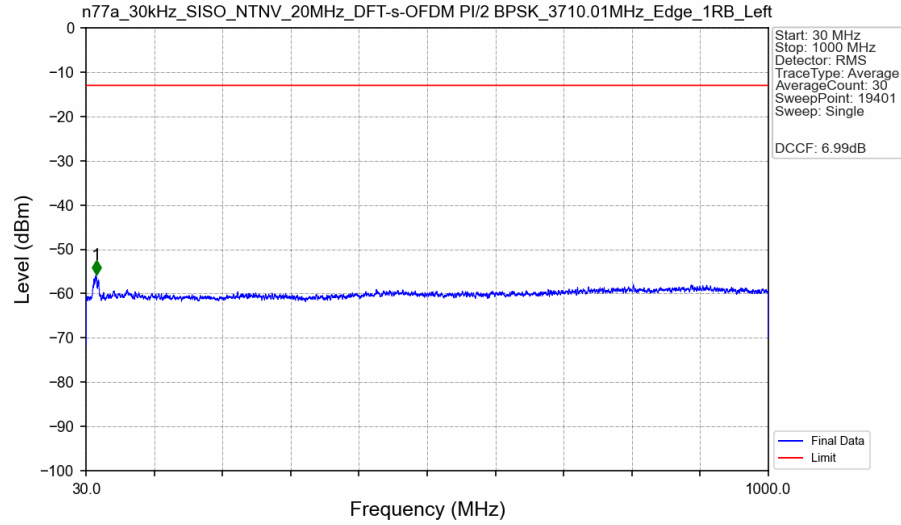
5.1.3 30_S_100M_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant7	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	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
	3930	Outer Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3750	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
	3930	Outer Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3750	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
	3930	Outer Full	Refer To Test Graph				Pass

5.2 Test Graph

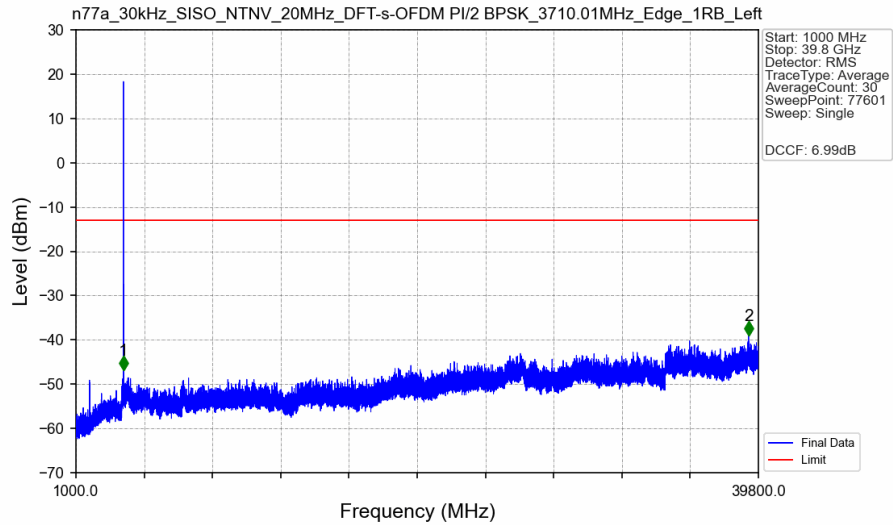
5.2.1 30_S_20M_NTNV





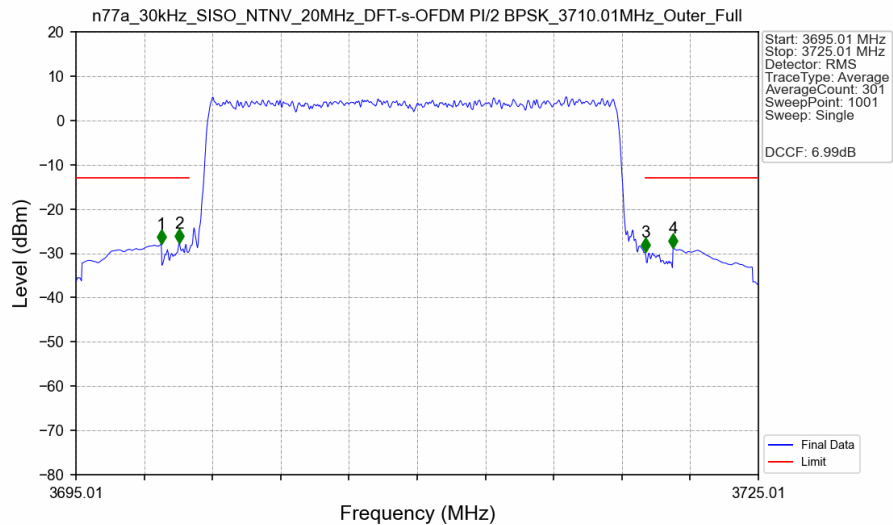
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	44.400	-55.66	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3710.01MHz_Edge_1RB_Left_Ant7

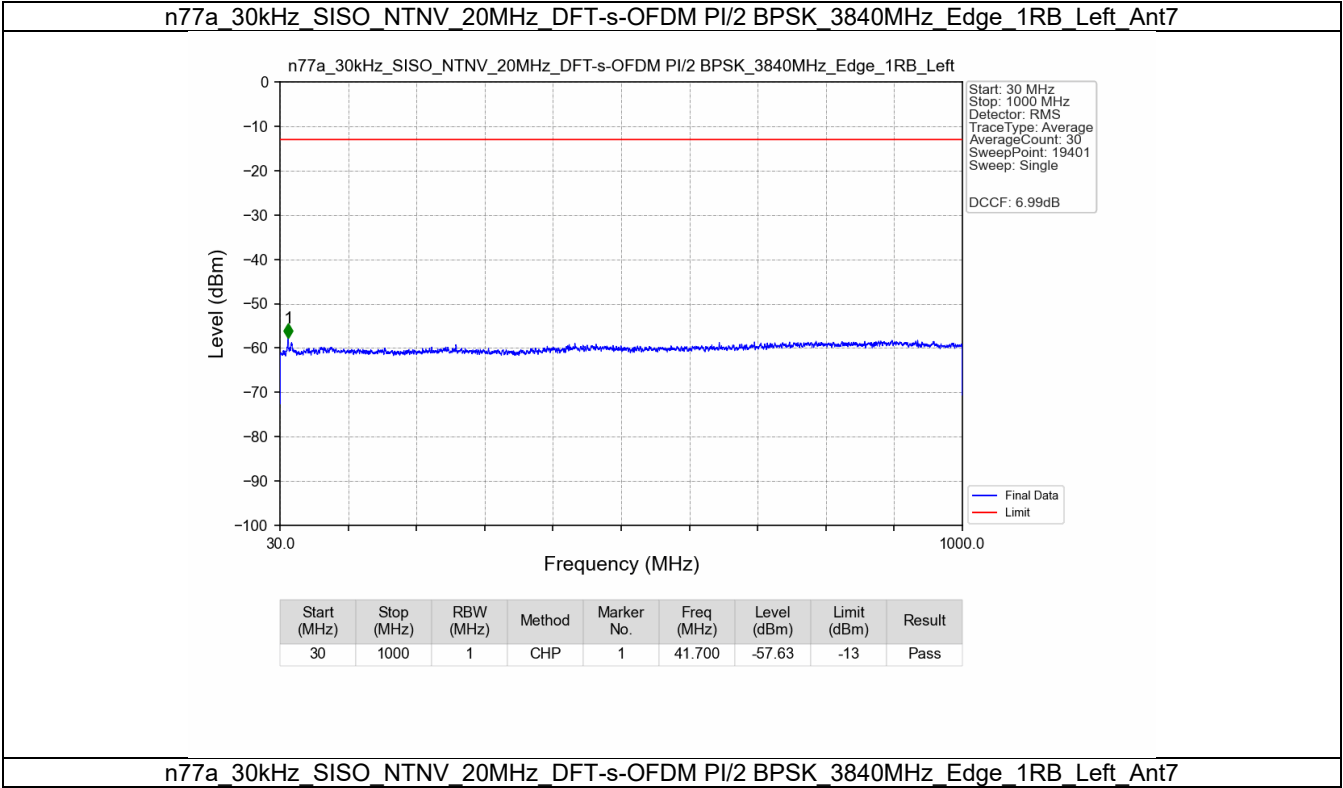


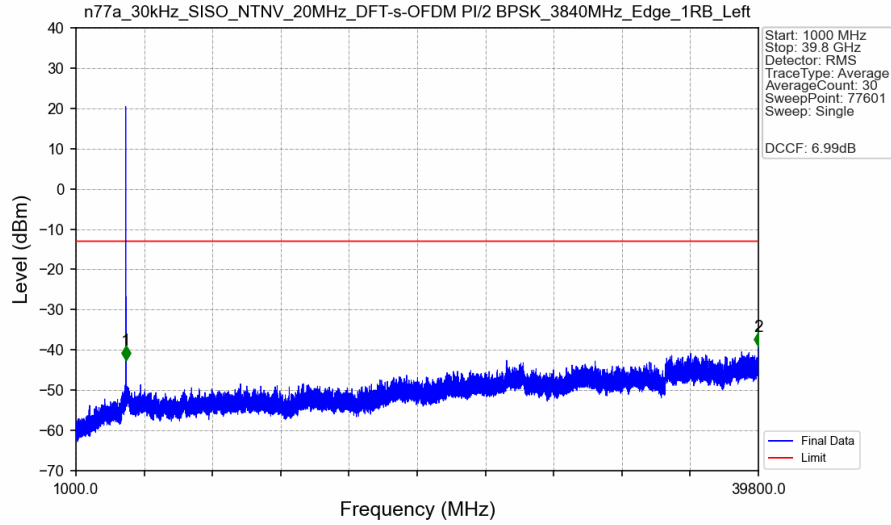
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.01	1	/	1	3692.000	-46.81	-13	Pass
3695.01	3725.01	1	/	/	/	/	/	/
3725.01	39800	1	/	2	39242.000	-39.00	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3710.01MHz_Outer_Full_Ant7



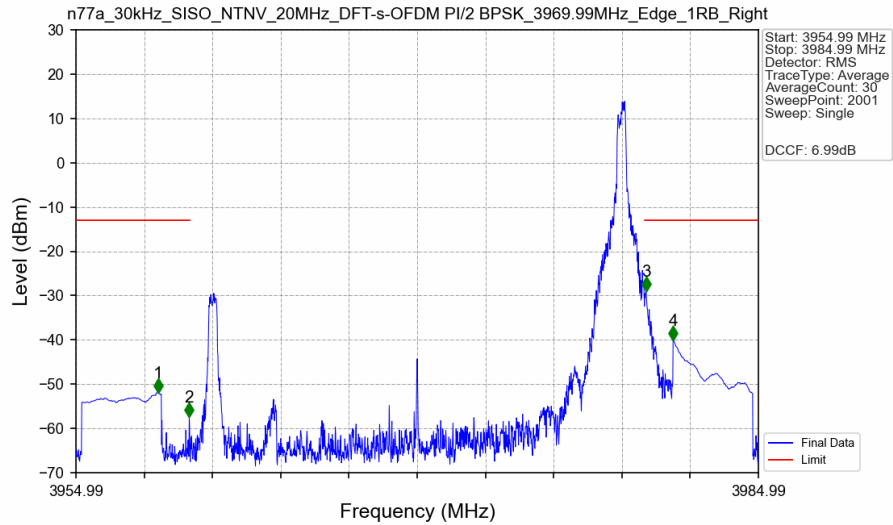
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.01	3699.01	0.5	CHP	1	3698.760	-27.82	-13	Pass
3699.01	3700.01	0.2	/	2	3699.540	-27.59	-13	Pass
3700.01	3720.01	0.2	/	/	/	/	/	/
3720.01	3721.01	0.2	/	3	3720.030	-29.71	-13	Pass
3721.01	3725.01	0.5	CHP	4	3721.260	-28.83	-13	Pass





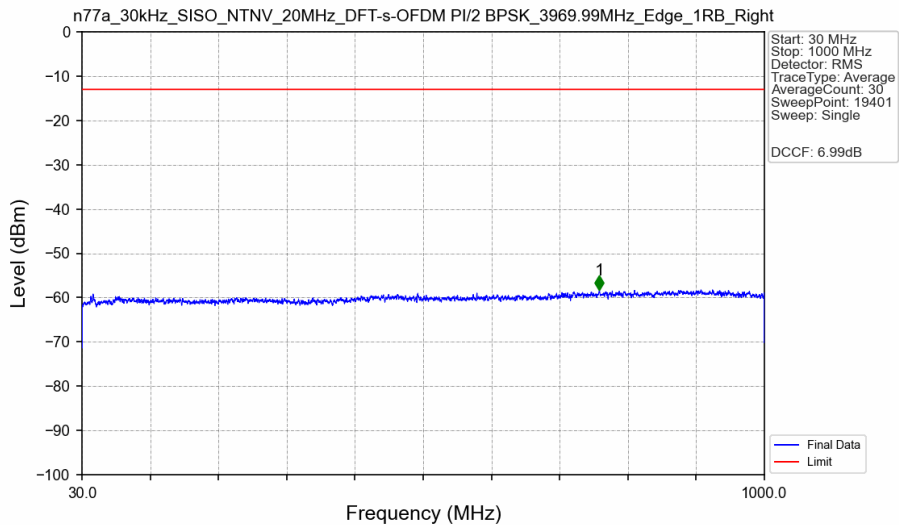
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3825	1	/	1	3822.000	-42.44	-13	Pass
3825	3855	1	/	/	/	/	/	/
3855	39800	1	/	2	39790.500	-39.12	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right_Ant7

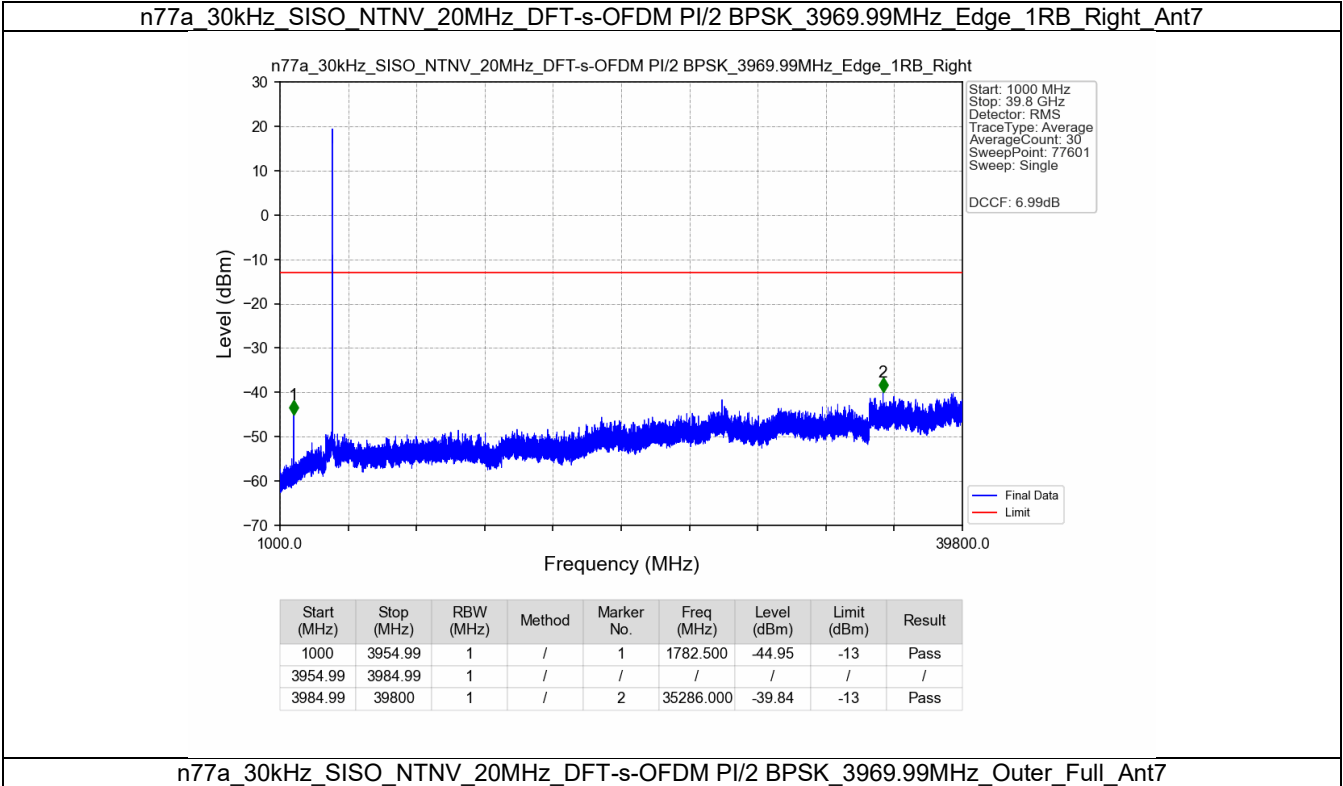


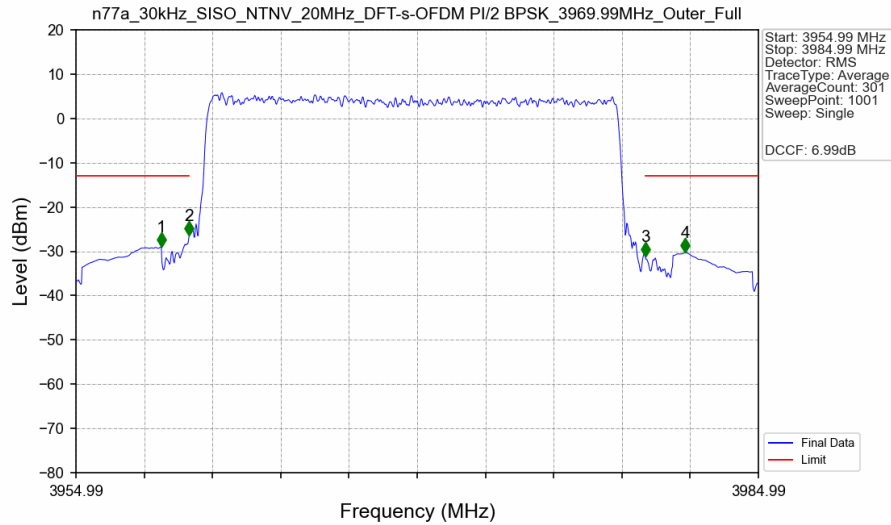
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3954.99	3958.99	0.5	CHP	1	3958.590	-51.90	-13	Pass
3958.99	3959.99	0.03	/	2	3959.970	-57.46	-13	Pass
3959.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	3	3980.055	-29.00	-13	Pass
3980.99	3984.99	0.5	CHP	4	3981.240	-40.02	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right_Ant7



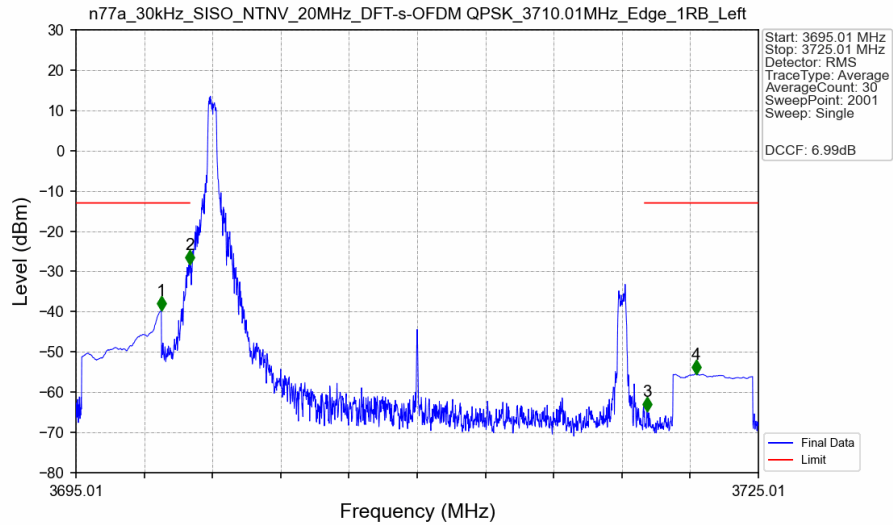
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	765.450	-58.24	-13	Pass





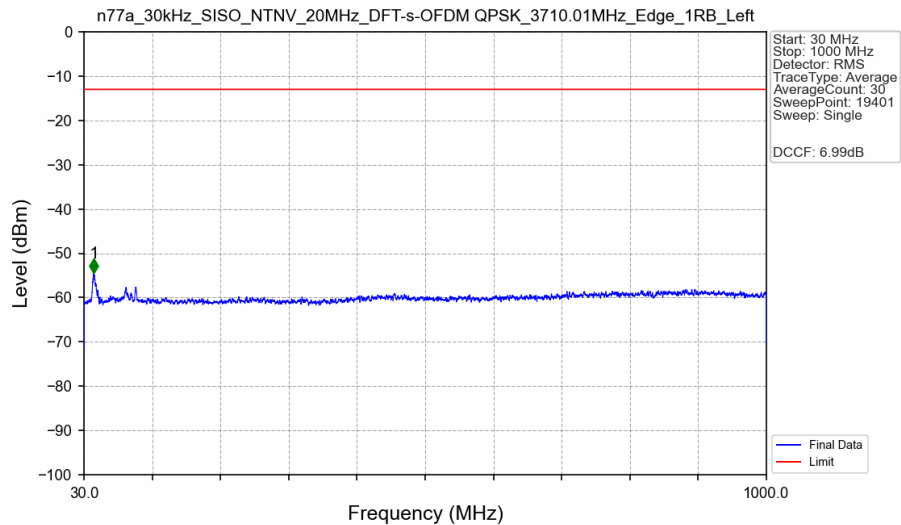
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3954.99	3958.99	0.5	CHP	1	3958.740	-28.95	-13	Pass
3958.99	3959.99	0.2	/	2	3959.970	-26.39	-13	Pass
3959.99	3979.99	0.2	/	/	/	/	/	/
3979.99	3980.99	0.2	/	3	3980.010	-31.05	-13	Pass
3980.99	3984.99	0.5	CHP	4	3981.780	-30.29	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3710.01MHz_Edge_1RB_Left_Ant7

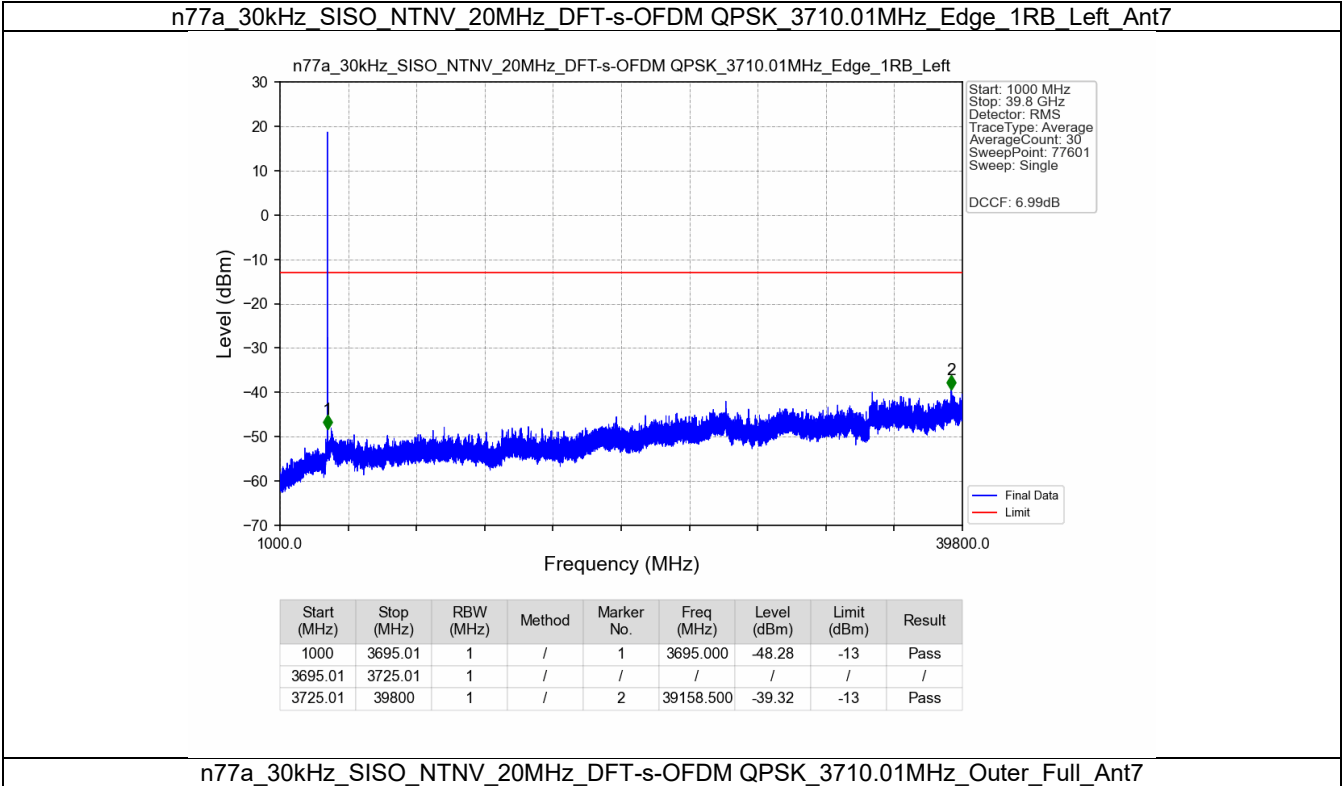


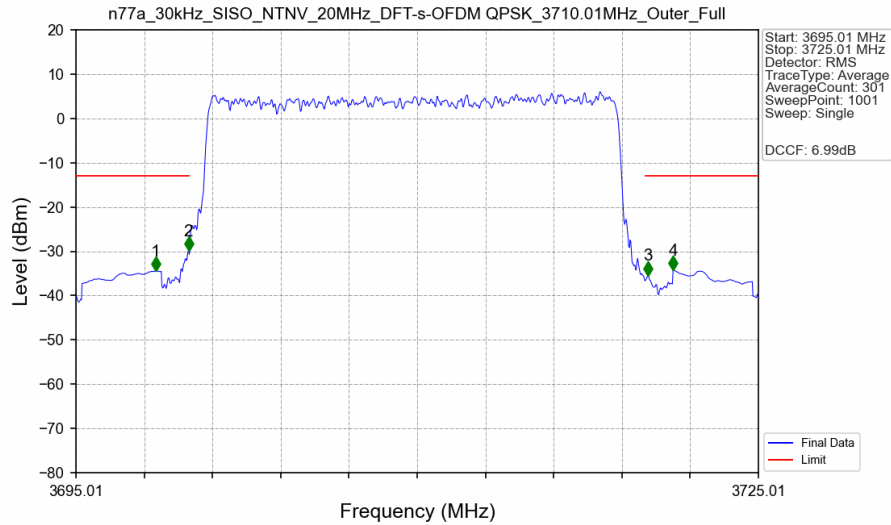
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.01	3699.01	0.5	CHP	1	3698.760	-39.67	-13	Pass
3699.01	3700.01	0.03	/	2	3700.005	-28.30	-13	Pass
3700.01	3720.01	0.03	/	/	/	/	/	/
3720.01	3721.01	0.03	/	3	3720.105	-64.68	-13	Pass
3721.01	3725.01	0.5	CHP	4	3722.280	-55.43	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3710.01MHz_Edge_1RB_Left_Ant7



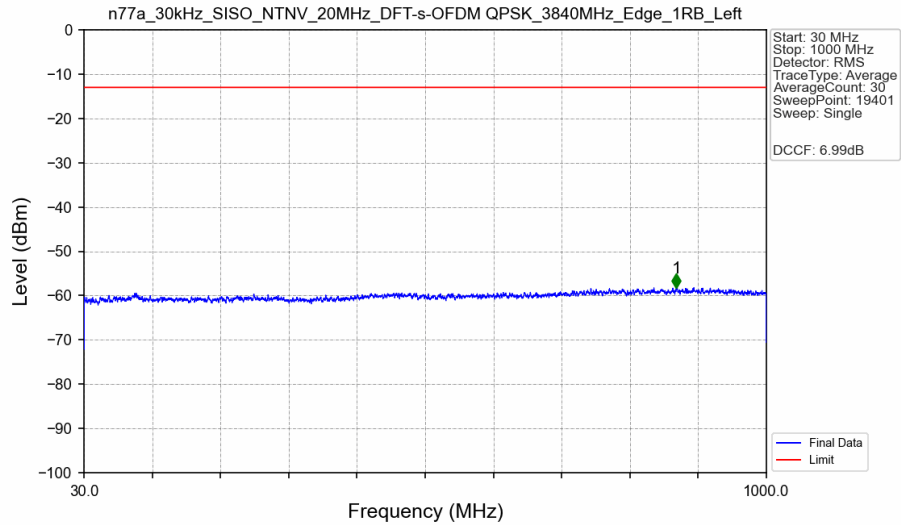
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	44.050	-54.39	-13	Pass





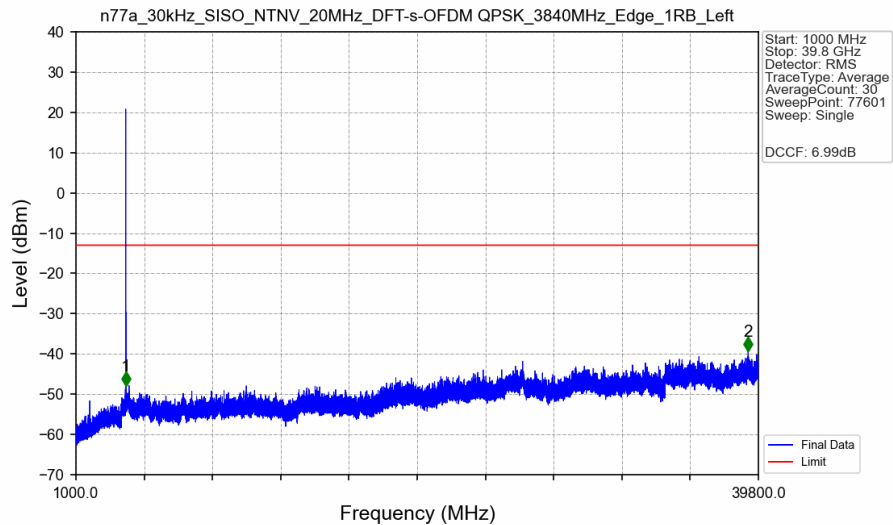
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.01	3699.01	0.5	CHP	1	3698.520	-34.45	-13	Pass
3699.01	3700.01	0.2	/	2	3699.960	-29.91	-13	Pass
3700.01	3720.01	0.2	/	/	/	/	/	/
3720.01	3721.01	0.2	/	3	3720.150	-35.41	-13	Pass
3721.01	3725.01	0.5	CHP	4	3721.260	-34.18	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left_Ant7



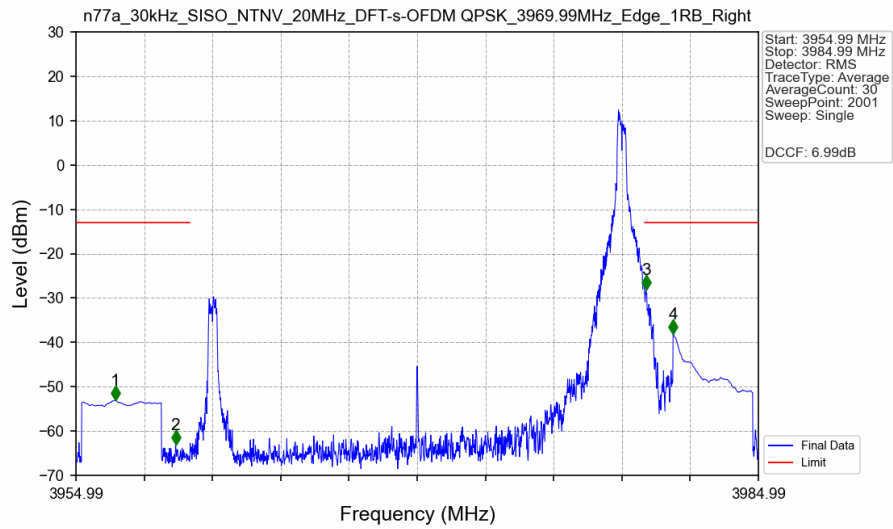
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	872.050	-58.17	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left_Ant7



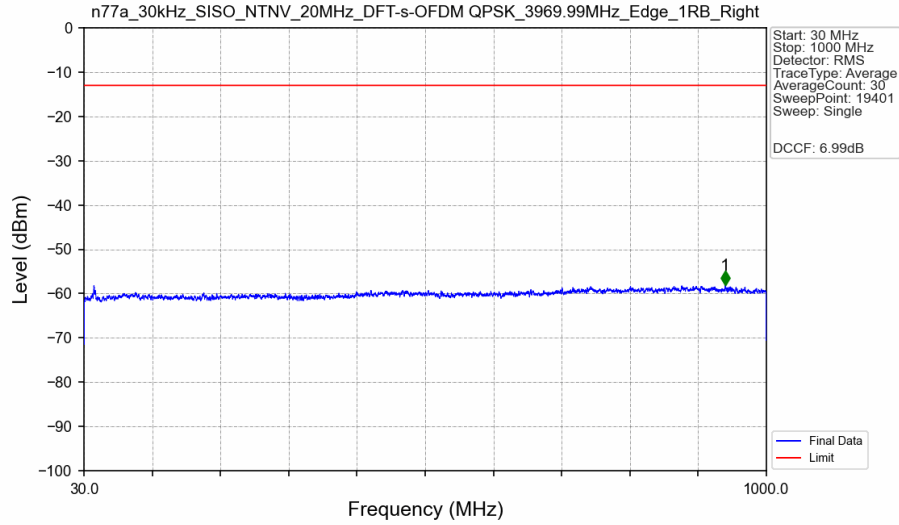
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3825	1	/	1	3822.500	-47.81	-13	Pass
3825	3855	1	/	/	/	/	/	/
3855	39800	1	/	2	39215.500	-39.32	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3969.99MHz_Edge_1RB_Right_Ant7



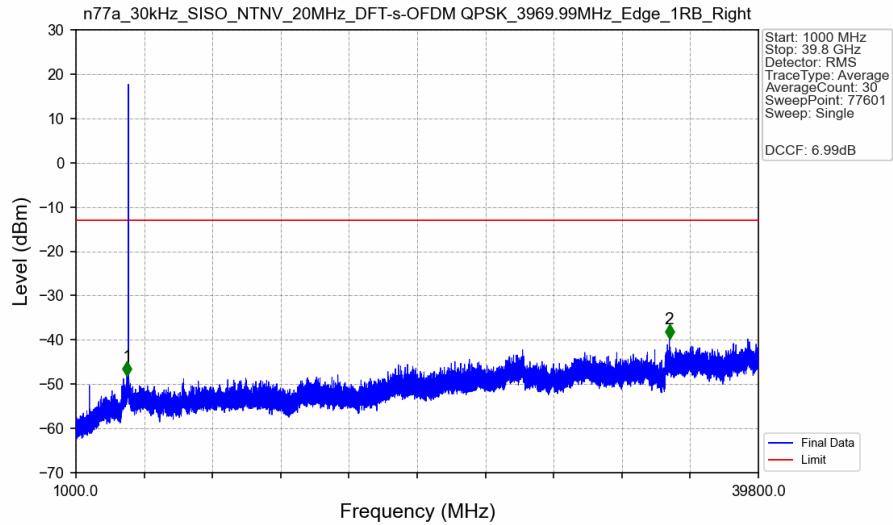
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3954.99	3958.99	0.5	CHP	1	3956.715	-53.08	-13	Pass
3958.99	3959.99	0.03	/	2	3959.370	-62.97	-13	Pass
3959.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	3	3980.055	-28.09	-13	Pass
3980.99	3984.99	0.5	CHP	4	3981.240	-38.15	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3969.99MHz_Edge_1RB_Right_Ant7



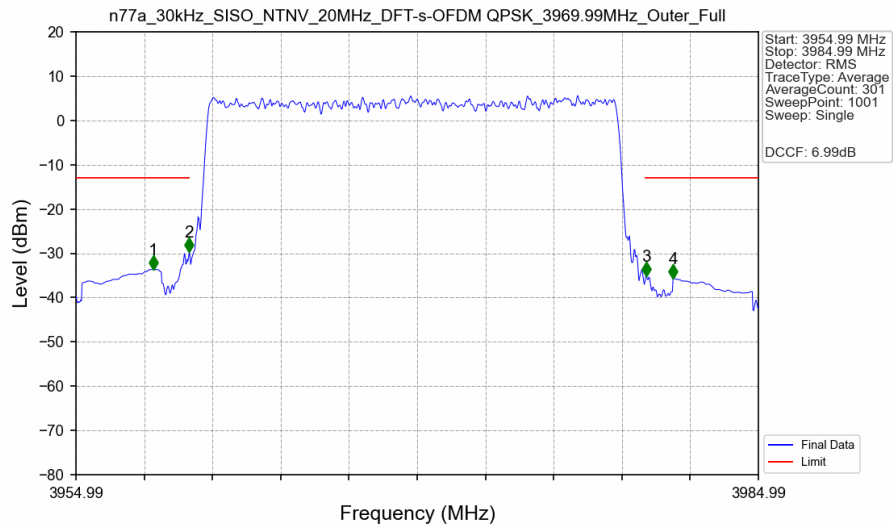
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	941.350	-58.06	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3969.99MHz_Edge_1RB_Right_Ant7



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3954.99	1	/	1	3894.500	-48.17	-13	Pass
3954.99	3984.99	1	/	/	/	/	/	/
3984.99	39800	1	/	2	34739.000	-39.68	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3969.99MHz_Outer_Full_Ant7



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3954.99	3958.99	0.5	CHP	1	3958.380	-33.63	-13	Pass
3958.99	3959.99	0.2	/	2	3959.970	-29.65	-13	Pass
3959.99	3979.99	0.2	/	/	/	/	/	/
3979.99	3980.99	0.2	/	3	3980.070	-35.06	-13	Pass
3980.99	3984.99	0.5	CHP	4	3981.240	-35.64	-13	Pass