

1. Effective (Isotropic) Radiated Power Output Data

1.1 30k_20MHz_NTNV_EIRP

1.1.1 Test Result

5G NR n77a SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Edge_1RB_Left	21.92	21.48	/	22.12	21.78	/	<=30	Pass
		Edge_1RB_Right	21.91	21.57	/	22.11	21.87	/	<=30	Pass
		Outer_Full	25.07	24.59	/	25.27	24.89	/	<=30	Pass
		Inner_Full	25.67	25.10	/	25.87	25.4	/	<=30	Pass
		Inner_1RB_Left	25.46	25.10	/	25.66	25.4	/	<=30	Pass
		Inner_1RB_Right	25.45	25.18	/	25.65	25.48	/	<=30	Pass
	3840	Edge_1RB_Left	21.55	21.01	/	21.75	21.31	/	<=30	Pass
		Edge_1RB_Right	22.03	20.95	/	22.23	21.25	/	<=30	Pass
		Outer_Full	24.75	24.18	/	24.95	24.48	/	<=30	Pass
		Inner_Full	25.24	24.62	/	25.44	24.92	/	<=30	Pass
		Inner_1RB_Left	24.97	24.67	/	25.17	24.97	/	<=30	Pass
		Inner_1RB_Right	25.44	24.55	/	25.64	24.85	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.01	21.85	/	22.21	22.15	/	<=30	Pass
		Edge_1RB_Right	22.10	21.85	/	22.30	22.15	/	<=30	Pass
		Outer_Full	25.03	24.79	/	25.23	25.09	/	<=30	Pass
		Inner_Full	25.46	25.27	/	25.66	25.57	/	<=30	Pass
		Inner_1RB_Left	25.31	25.20	/	25.51	25.5	/	<=30	Pass
		Inner_1RB_Right	25.53	25.25	/	25.73	25.55	/	<=30	Pass
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	21.98	21.44	/	22.18	21.74	/	<=30	Pass
		Edge_1RB_Right	21.92	21.55	/	22.12	21.85	/	<=30	Pass
		Outer_Full	24.64	24.12	/	24.84	24.42	/	<=30	Pass
		Inner_Full	25.60	25.06	/	25.80	25.36	/	<=30	Pass
		Inner_1RB_Left	25.39	24.98	/	25.59	25.28	/	<=30	Pass
		Inner_1RB_Right	25.43	25.19	/	25.63	25.49	/	<=30	Pass
	3840	Edge_1RB_Left	21.45	21.14	/	21.65	21.44	/	<=30	Pass
		Edge_1RB_Right	22.00	20.89	/	22.20	21.19	/	<=30	Pass
		Outer_Full	24.29	23.66	/	24.49	23.96	/	<=30	Pass
		Inner_Full	25.26	24.67	/	25.46	24.97	/	<=30	Pass
		Inner_1RB_Left	24.90	24.57	/	25.10	24.87	/	<=30	Pass
		Inner_1RB_Right	25.42	24.48	/	25.62	24.78	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.79	21.67	/	21.99	21.97	/	<=30	Pass
		Edge_1RB_Right	21.97	21.64	/	22.17	21.94	/	<=30	Pass
		Outer_Full	24.42	24.18	/	24.62	24.48	/	<=30	Pass
		Inner_Full	25.42	25.19	/	25.62	25.49	/	<=30	Pass
		Inner_1RB_Left	25.24	25.16	/	25.44	25.46	/	<=30	Pass
		Inner_1RB_Right	25.51	25.21	/	25.71	25.51	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge_1RB_Left	21.94	21.56	/	22.14	21.86	/	<=30	Pass
		Edge_1RB_Right	21.79	21.59	/	21.99	21.89	/	<=30	Pass
		Outer_Full	23.65	23.10	/	23.85	23.4	/	<=30	Pass
		Inner_Full	24.63	24.12	/	24.83	24.42	/	<=30	Pass
		Inner_1RB_Left	24.39	23.86	/	24.59	24.16	/	<=30	Pass
		Inner_1RB_Right	24.36	24.04	/	24.56	24.34	/	<=30	Pass
	3840	Edge_1RB_Left	21.44	21.00	/	21.64	21.3	/	<=30	Pass
		Edge_1RB_Right	21.91	20.91	/	22.11	21.21	/	<=30	Pass
		Outer_Full	23.26	22.55	/	23.46	22.85	/	<=30	Pass
		Inner_Full	24.29	23.68	/	24.49	23.98	/	<=30	Pass
		Inner_1RB_Left	23.76	23.49	/	23.96	23.79	/	<=30	Pass
		Inner_1RB_Right	24.37	23.39	/	24.57	23.69	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.72	21.66	/	21.92	21.96	/	<=30	Pass

		Edge 1RB Right	21.96	21.71	/	22.16	22.01	/	<=30	Pass
		Outer Full	23.43	23.30	/	23.63	23.6	/	<=30	Pass
		Inner Full	24.53	24.30	/	24.73	24.6	/	<=30	Pass
		Inner 1RB Left	24.26	24.29	/	24.46	24.59	/	<=30	Pass
		Inner 1RB Right	24.47	24.17	/	24.67	24.47	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge 1RB Left	21.94	21.59	/	22.14	21.89	/	<=30	Pass
		Edge 1RB Right	22.04	21.68	/	22.24	21.98	/	<=30	Pass
		Outer Full	23.07	22.51	/	23.27	22.81	/	<=30	Pass
		Inner Full	23.04	22.67	/	23.24	22.97	/	<=30	Pass
		Inner 1RB Left	23.03	22.60	/	23.23	22.9	/	<=30	Pass
		Inner 1RB Right	22.98	22.62	/	23.18	22.92	/	<=30	Pass
	3840	Edge 1RB Left	21.39	21.19	/	21.59	21.49	/	<=30	Pass
		Edge 1RB Right	22.16	21.05	/	22.36	21.35	/	<=30	Pass
		Outer Full	22.80	22.10	/	23.00	22.4	/	<=30	Pass
		Inner Full	22.83	22.17	/	23.03	22.47	/	<=30	Pass
		Inner 1RB Left	22.53	22.24	/	22.73	22.54	/	<=30	Pass
		Inner 1RB Right	23.08	22.00	/	23.28	22.3	/	<=30	Pass
	3969.99	Edge 1RB Left	21.88	21.83	/	22.08	22.13	/	<=30	Pass
		Edge 1RB Right	22.16	21.88	/	22.36	22.18	/	<=30	Pass
		Outer Full	22.94	22.83	/	23.14	23.13	/	<=30	Pass
		Inner Full	22.88	22.75	/	23.08	23.05	/	<=30	Pass
		Inner 1RB Left	22.76	22.87	/	22.96	23.17	/	<=30	Pass
		Inner 1RB Right	23.03	22.88	/	23.23	23.18	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge 1RB Left	20.95	20.39	/	21.15	20.69	/	<=30	Pass
		Edge 1RB Right	20.92	20.72	/	21.12	21.02	/	<=30	Pass
		Outer Full	21.15	20.57	/	21.35	20.87	/	<=30	Pass
		Inner Full	21.36	20.55	/	21.56	20.85	/	<=30	Pass
		Inner 1RB Left	20.94	20.54	/	21.14	20.84	/	<=30	Pass
		Inner 1RB Right	20.84	20.69	/	21.04	20.99	/	<=30	Pass
	3840	Edge 1RB Left	20.37	20.09	/	20.57	20.39	/	<=30	Pass
		Edge 1RB Right	20.88	19.94	/	21.08	20.24	/	<=30	Pass
		Outer Full	20.69	20.22	/	20.89	20.52	/	<=30	Pass
		Inner Full	20.87	20.15	/	21.07	20.45	/	<=30	Pass
		Inner 1RB Left	20.37	20.05	/	20.57	20.35	/	<=30	Pass
		Inner 1RB Right	20.89	19.96	/	21.09	20.26	/	<=30	Pass
	3969.99	Edge 1RB Left	20.95	20.58	/	21.15	20.88	/	<=30	Pass
		Edge 1RB Right	20.99	20.64	/	21.19	20.94	/	<=30	Pass
		Outer Full	21.05	20.82	/	21.25	21.12	/	<=30	Pass
		Inner Full	21.06	20.71	/	21.26	21.01	/	<=30	Pass
		Inner 1RB Left	20.86	20.72	/	21.06	21.02	/	<=30	Pass
		Inner 1RB Right	21.12	20.68	/	21.32	20.98	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge 1RB Left	22.02	21.61	/	22.22	21.91	/	<=30	Pass
		Edge 1RB Right	22.09	21.68	/	22.29	21.98	/	<=30	Pass
		Outer Full	22.64	22.12	/	22.84	22.42	/	<=30	Pass
		Inner Full	24.18	23.64	/	24.38	23.94	/	<=30	Pass
		Inner 1RB Left	24.12	23.59	/	24.32	23.89	/	<=30	Pass
		Inner 1RB Right	24.01	23.69	/	24.21	23.99	/	<=30	Pass
	3840	Edge 1RB Left	21.66	21.24	/	21.86	21.54	/	<=30	Pass
		Edge 1RB Right	22.07	21.09	/	22.27	21.39	/	<=30	Pass
		Outer Full	22.33	21.62	/	22.53	21.92	/	<=30	Pass
		Inner Full	23.86	23.22	/	24.06	23.52	/	<=30	Pass
		Inner 1RB Left	23.56	23.23	/	23.76	23.53	/	<=30	Pass
		Inner 1RB Right	24.07	23.18	/	24.27	23.48	/	<=30	Pass
	3969.99	Edge 1RB Left	22.01	21.91	/	22.21	22.21	/	<=30	Pass
		Edge 1RB Right	22.24	21.86	/	22.44	22.16	/	<=30	Pass
		Outer Full	22.49	22.24	/	22.69	22.54	/	<=30	Pass
		Inner Full	23.96	23.63	/	24.16	23.93	/	<=30	Pass
		Inner 1RB Left	23.97	23.70	/	24.17	24	/	<=30	Pass
		Inner 1RB Right	24.19	23.85	/	24.39	24.15	/	<=30	Pass

CP-OFDM 16 QAM	3710.01	Edge_1RB_Left	21.76	21.45	/	21.96	21.75	/	<=30	Pass
		Edge_1RB_Right	21.84	21.64	/	22.04	21.94	/	<=30	Pass
		Outer_Full	22.50	22.15	/	22.70	22.45	/	<=30	Pass
		Inner_Full	23.67	23.14	/	23.87	23.44	/	<=30	Pass
		Inner_1RB_Left	23.37	22.82	/	23.57	23.12	/	<=30	Pass
		Inner_1RB_Right	23.38	23.03	/	23.58	23.33	/	<=30	Pass
	3840	Edge_1RB_Left	21.35	21.07	/	21.55	21.37	/	<=30	Pass
		Edge_1RB_Right	22.08	21.00	/	22.28	21.3	/	<=30	Pass
		Outer_Full	22.27	21.69	/	22.47	21.99	/	<=30	Pass
		Inner_Full	23.31	22.62	/	23.51	22.92	/	<=30	Pass
		Inner_1RB_Left	22.77	22.64	/	22.97	22.94	/	<=30	Pass
		Inner_1RB_Right	23.44	22.57	/	23.64	22.87	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.73	21.64	/	21.93	21.94	/	<=30	Pass
		Edge_1RB_Right	21.99	21.74	/	22.19	22.04	/	<=30	Pass
		Outer_Full	22.48	22.23	/	22.68	22.53	/	<=30	Pass
		Inner_Full	23.45	23.23	/	23.65	23.53	/	<=30	Pass
		Inner_1RB_Left	23.20	23.08	/	23.40	23.38	/	<=30	Pass
		Inner_1RB_Right	23.52	23.13	/	23.72	23.43	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	22.04	21.59	/	22.24	21.89	/	<=30	Pass
		Edge_1RB_Right	21.91	21.65	/	22.11	21.95	/	<=30	Pass
		Outer_Full	22.12	21.51	/	22.32	21.81	/	<=30	Pass
		Inner_Full	22.19	21.58	/	22.39	21.88	/	<=30	Pass
		Inner_1RB_Left	22.04	21.66	/	22.24	21.96	/	<=30	Pass
		Inner_1RB_Right	22.00	21.71	/	22.20	22.01	/	<=30	Pass
	3840	Edge_1RB_Left	21.50	21.23	/	21.70	21.53	/	<=30	Pass
		Edge_1RB_Right	22.09	21.16	/	22.29	21.46	/	<=30	Pass
		Outer_Full	21.74	21.13	/	21.94	21.43	/	<=30	Pass
		Inner_Full	21.76	21.14	/	21.96	21.44	/	<=30	Pass
		Inner_1RB_Left	21.55	21.28	/	21.75	21.58	/	<=30	Pass
		Inner_1RB_Right	22.12	21.15	/	22.32	21.45	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.88	21.77	/	22.08	22.07	/	<=30	Pass
		Edge_1RB_Right	22.24	21.75	/	22.44	22.05	/	<=30	Pass
		Outer_Full	21.94	21.68	/	22.14	21.98	/	<=30	Pass
		Inner_Full	22.01	21.74	/	22.21	22.04	/	<=30	Pass
		Inner_1RB_Left	21.95	21.69	/	22.15	21.99	/	<=30	Pass
		Inner_1RB_Right	22.26	21.80	/	22.46	22.1	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Left	18.92	18.42	/	19.12	18.72	/	<=30	Pass
		Edge_1RB_Right	18.99	18.69	/	19.19	18.99	/	<=30	Pass
		Outer_Full	19.15	18.48	/	19.35	18.78	/	<=30	Pass
		Inner_Full	19.17	18.54	/	19.37	18.84	/	<=30	Pass
		Inner_1RB_Left	18.91	18.44	/	19.11	18.74	/	<=30	Pass
		Inner_1RB_Right	19.03	18.65	/	19.23	18.95	/	<=30	Pass
	3840	Edge_1RB_Left	18.43	18.12	/	18.63	18.42	/	<=30	Pass
		Edge_1RB_Right	18.96	17.95	/	19.16	18.25	/	<=30	Pass
		Outer_Full	18.75	18.08	/	18.95	18.38	/	<=30	Pass
		Inner_Full	18.75	18.14	/	18.95	18.44	/	<=30	Pass
		Inner_1RB_Left	18.43	18.16	/	18.63	18.46	/	<=30	Pass
		Inner_1RB_Right	18.95	17.97	/	19.15	18.27	/	<=30	Pass
	3969.99	Edge_1RB_Left	18.90	18.67	/	19.10	18.97	/	<=30	Pass
		Edge_1RB_Right	19.11	18.82	/	19.31	19.12	/	<=30	Pass
		Outer_Full	18.95	18.84	/	19.15	19.14	/	<=30	Pass
		Inner_Full	19.08	18.82	/	19.28	19.12	/	<=30	Pass
		Inner_1RB_Left	18.91	18.78	/	19.11	19.08	/	<=30	Pass
		Inner_1RB_Right	19.05	18.80	/	19.25	19.1	/	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77a SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3710.01	Edge 1RB Left	19.32	19.86	22.61	19.52	20.16	22.86	<=30	Pass
		Edge 1RB Right	19.38	19.54	22.47	19.58	19.84	22.72	<=30	Pass
		Outer Full	19.84	20.18	23.02	20.04	20.48	23.28	<=30	Pass
		Inner Full	21.46	21.64	24.56	21.66	21.94	24.81	<=30	Pass
		Inner 1RB Left	21.28	21.71	24.51	21.48	22.01	24.76	<=30	Pass
		Inner 1RB Right	21.27	21.60	24.45	21.47	21.90	24.70	<=30	Pass
	3840	Edge 1RB Left	18.84	19.84	22.38	19.04	20.14	22.64	<=30	Pass
		Edge 1RB Right	19.34	19.65	22.51	19.54	19.95	22.76	<=30	Pass
		Outer Full	19.67	20.21	22.96	19.87	20.51	23.21	<=30	Pass
		Inner Full	21.16	21.68	24.44	21.36	21.98	24.69	<=30	Pass
		Inner 1RB Left	20.93	21.85	24.42	21.13	22.15	24.68	<=30	Pass
		Inner 1RB Right	21.37	21.67	24.53	21.57	21.97	24.78	<=30	Pass
	3969.99	Edge 1RB Left	19.54	19.83	22.69	19.74	20.13	22.95	<=30	Pass
		Edge 1RB Right	19.70	19.88	22.80	19.90	20.18	23.05	<=30	Pass
		Outer Full	20.05	20.37	23.22	20.25	20.67	23.48	<=30	Pass
		Inner Full	21.54	21.84	24.70	21.74	22.14	24.95	<=30	Pass
		Inner 1RB Left	21.63	21.85	24.75	21.83	22.15	25.00	<=30	Pass
		Inner 1RB Right	21.77	21.94	24.87	21.97	22.24	25.12	<=30	Pass
CP-OFDM 16 QAM	3710.01	Edge 1RB Left	19.22	19.82	22.54	19.42	20.12	22.79	<=30	Pass
		Edge 1RB Right	19.37	19.57	22.48	19.57	19.87	22.73	<=30	Pass
		Outer Full	19.89	20.14	23.03	20.09	20.44	23.28	<=30	Pass
		Inner Full	21.01	21.08	24.05	21.21	21.38	24.31	<=30	Pass
		Inner 1RB Left	20.75	21.36	24.07	20.95	21.66	24.33	<=30	Pass
		Inner 1RB Right	20.86	21.06	23.97	21.06	21.36	24.22	<=30	Pass
	3840	Edge 1RB Left	18.80	19.92	22.41	19.00	20.22	22.66	<=30	Pass
		Edge 1RB Right	19.29	19.59	22.45	19.49	19.89	22.70	<=30	Pass
		Outer Full	19.67	20.33	23.03	19.87	20.63	23.28	<=30	Pass
		Inner Full	20.67	21.25	23.98	20.87	21.55	24.23	<=30	Pass
		Inner 1RB Left	20.41	21.48	23.99	20.61	21.78	24.24	<=30	Pass
		Inner 1RB Right	20.86	21.20	24.04	21.06	21.50	24.30	<=30	Pass
	3969.99	Edge 1RB Left	19.44	19.79	22.63	19.64	20.09	22.88	<=30	Pass
		Edge 1RB Right	19.63	19.76	22.71	19.83	20.06	22.96	<=30	Pass
		Outer Full	20.11	20.40	23.27	20.31	20.70	23.52	<=30	Pass
		Inner Full	21.07	21.39	24.24	21.27	21.69	24.50	<=30	Pass
		Inner 1RB Left	20.99	21.34	24.18	21.19	21.64	24.43	<=30	Pass
		Inner 1RB Right	21.19	21.38	24.30	21.39	21.68	24.55	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge 1RB Left	19.23	19.54	22.40	19.43	19.84	22.65	<=30	Pass
		Edge 1RB Right	19.31	19.36	22.35	19.51	19.66	22.60	<=30	Pass
		Outer Full	19.46	19.57	22.53	19.66	19.87	22.78	<=30	Pass
		Inner Full	19.40	19.59	22.50	19.60	19.89	22.76	<=30	Pass
		Inner 1RB Left	19.28	19.63	22.47	19.48	19.93	22.72	<=30	Pass
		Inner 1RB Right	19.34	19.45	22.41	19.54	19.75	22.66	<=30	Pass
	3840	Edge 1RB Left	18.88	19.83	22.39	19.08	20.13	22.65	<=30	Pass
		Edge 1RB Right	19.41	19.68	22.56	19.61	19.98	22.81	<=30	Pass
		Outer Full	19.13	19.76	22.47	19.33	20.06	22.72	<=30	Pass
		Inner Full	19.07	19.77	22.44	19.27	20.07	22.70	<=30	Pass
		Inner 1RB Left	18.92	19.78	22.38	19.12	20.08	22.64	<=30	Pass
		Inner 1RB Right	19.35	19.69	22.53	19.55	19.99	22.79	<=30	Pass
	3969.99	Edge 1RB Left	19.53	19.82	22.69	19.73	20.12	22.94	<=30	Pass
		Edge 1RB Right	19.74	19.80	22.78	19.94	20.10	23.03	<=30	Pass
		Outer Full	19.58	19.93	22.77	19.78	20.23	23.02	<=30	Pass
		Inner Full	19.52	19.82	22.68	19.72	20.12	22.93	<=30	Pass
		Inner 1RB Left	19.46	19.82	22.65	19.66	20.12	22.91	<=30	Pass
		Inner 1RB Right	19.64	19.83	22.75	19.84	20.13	23.00	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge 1RB Left	16.28	16.83	19.57	16.48	17.13	19.83	<=30	Pass
		Edge 1RB Right	16.23	16.67	19.47	16.43	16.97	19.72	<=30	Pass

		Outer_Full	16.38	16.65	19.53	16.58	16.95	19.78	<=30	Pass
		Inner_Full	16.53	16.58	19.57	16.73	16.88	19.82	<=30	Pass
		Inner_1RB_Left	16.25	16.85	19.57	16.45	17.15	19.82	<=30	Pass
		Inner_1RB_Right	16.27	16.66	19.48	16.47	16.96	19.73	<=30	Pass
	3840	Edge_1RB_Left	15.77	17.00	19.44	15.97	17.30	19.70	<=30	Pass
		Edge_1RB_Right	16.21	16.86	19.56	16.41	17.16	19.81	<=30	Pass
		Outer_Full	16.21	16.86	19.55	16.41	17.16	19.81	<=30	Pass
		Inner_Full	16.19	16.74	19.49	16.39	17.04	19.74	<=30	Pass
	3969.99	Inner_1RB_Left	15.74	17.00	19.43	15.94	17.30	19.68	<=30	Pass
		Inner_1RB_Right	16.20	16.91	19.58	16.40	17.21	19.83	<=30	Pass
		Edge_1RB_Left	16.57	17.05	19.83	16.77	17.35	20.08	<=30	Pass
		Edge_1RB_Right	16.56	17.04	19.82	16.76	17.34	20.07	<=30	Pass
		Outer_Full	16.62	16.94	19.79	16.82	17.24	20.05	<=30	Pass
		Inner_Full	16.65	16.81	19.74	16.85	17.11	19.99	<=30	Pass
		Inner_1RB_Left	16.43	17.03	19.75	16.63	17.33	20.00	<=30	Pass
		Inner_1RB_Right	16.69	17.15	19.93	16.89	17.45	20.19	<=30	Pass

Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

1.2 30k_30MHz_NTNV_EIRP

1.2.1 Test Result

5G NR n77a SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.02	Edge_1RB_Left	21.87	21.35	/	22.07	21.65	/	<=30	Pass
		Edge_1RB_Right	21.46	21.60	/	21.66	21.9	/	<=30	Pass
		Outer_Full	24.82	24.54	/	25.02	24.84	/	<=30	Pass
		Inner_Full	25.40	25.11	/	25.60	25.41	/	<=30	Pass
		Inner_1RB_Left	25.16	25.02	/	25.36	25.32	/	<=30	Pass
		Inner_1RB_Right	24.88	25.11	/	25.08	25.41	/	<=30	Pass
	3840	Edge_1RB_Left	21.30	21.17	/	21.50	21.47	/	<=30	Pass
		Edge_1RB_Right	22.00	21.12	/	22.20	21.42	/	<=30	Pass
		Outer_Full	24.75	24.10	/	24.95	24.4	/	<=30	Pass
		Inner_Full	25.29	24.55	/	25.49	24.85	/	<=30	Pass
		Inner_1RB_Left	24.90	24.75	/	25.10	25.05	/	<=30	Pass
		Inner_1RB_Right	25.43	24.56	/	25.63	24.86	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.17	21.93	/	22.37	22.23	/	<=30	Pass
		Edge_1RB_Right	22.02	21.77	/	22.22	22.07	/	<=30	Pass
		Outer_Full	24.90	24.75	/	25.10	25.05	/	<=30	Pass
		Inner_Full	25.40	25.20	/	25.60	25.5	/	<=30	Pass
		Inner_1RB_Left	25.42	25.23	/	25.62	25.53	/	<=30	Pass
		Inner_1RB_Right	25.48	25.17	/	25.68	25.47	/	<=30	Pass
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Left	21.78	21.42	/	21.98	21.72	/	<=30	Pass
		Edge_1RB_Right	21.29	21.57	/	21.49	21.87	/	<=30	Pass
		Outer_Full	24.40	24.13	/	24.60	24.43	/	<=30	Pass
		Inner_Full	25.41	25.17	/	25.61	25.47	/	<=30	Pass
		Inner_1RB_Left	25.15	25.00	/	25.35	25.3	/	<=30	Pass
		Inner_1RB_Right	24.85	25.12	/	25.05	25.42	/	<=30	Pass
	3840	Edge_1RB_Left	21.39	21.07	/	21.59	21.37	/	<=30	Pass
		Edge_1RB_Right	21.84	21.16	/	22.04	21.46	/	<=30	Pass
		Outer_Full	24.21	23.70	/	24.41	24	/	<=30	Pass
		Inner_Full	25.29	24.69	/	25.49	24.99	/	<=30	Pass
		Inner_1RB_Left	24.84	24.72	/	25.04	25.02	/	<=30	Pass
		Inner_1RB_Right	25.45	24.59	/	25.65	24.89	/	<=30	Pass

	3964.98	Edge_1RB_Left	22.17	21.76	/	22.37	22.06	/	<=30	Pass
		Edge_1RB_Right	21.98	21.68	/	22.18	21.98	/	<=30	Pass
		Outer_Full	24.46	24.20	/	24.66	24.5	/	<=30	Pass
		Inner_Full	25.36	25.21	/	25.56	25.51	/	<=30	Pass
		Inner_1RB_Left	25.44	25.19	/	25.64	25.49	/	<=30	Pass
		Inner_1RB_Right	25.36	25.09	/	25.56	25.39	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.02	Edge_1RB_Left	21.80	21.40	/	22.00	21.7	/	<=30	Pass
		Edge_1RB_Right	21.46	21.53	/	21.66	21.83	/	<=30	Pass
		Outer_Full	23.40	23.21	/	23.60	23.51	/	<=30	Pass
		Inner_Full	24.51	24.06	/	24.71	24.36	/	<=30	Pass
		Inner_1RB_Left	24.18	23.89	/	24.38	24.19	/	<=30	Pass
		Inner_1RB_Right	23.89	23.98	/	24.09	24.28	/	<=30	Pass
	3840	Edge_1RB_Left	21.45	21.11	/	21.65	21.41	/	<=30	Pass
		Edge_1RB_Right	21.90	21.02	/	22.10	21.32	/	<=30	Pass
		Outer_Full	23.33	22.62	/	23.53	22.92	/	<=30	Pass
		Inner_Full	24.24	23.61	/	24.44	23.91	/	<=30	Pass
		Inner_1RB_Left	23.75	23.64	/	23.95	23.94	/	<=30	Pass
		Inner_1RB_Right	24.35	23.52	/	24.55	23.82	/	<=30	Pass
	3964.98	Edge_1RB_Left	21.91	21.71	/	22.11	22.01	/	<=30	Pass
		Edge_1RB_Right	21.82	21.69	/	22.02	21.99	/	<=30	Pass
		Outer_Full	23.38	23.22	/	23.58	23.52	/	<=30	Pass
		Inner_Full	24.21	24.18	/	24.41	24.48	/	<=30	Pass
		Inner_1RB_Left	24.36	24.12	/	24.56	24.42	/	<=30	Pass
		Inner_1RB_Right	24.30	24.11	/	24.50	24.41	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.02	Edge_1RB_Left	21.84	21.54	/	22.04	21.84	/	<=30	Pass
		Edge_1RB_Right	21.54	21.68	/	21.74	21.98	/	<=30	Pass
		Outer_Full	22.90	22.70	/	23.10	23	/	<=30	Pass
		Inner_Full	23.03	22.61	/	23.23	22.91	/	<=30	Pass
		Inner_1RB_Left	22.84	22.55	/	23.04	22.85	/	<=30	Pass
		Inner_1RB_Right	22.45	22.73	/	22.65	23.03	/	<=30	Pass
	3840	Edge_1RB_Left	21.45	21.40	/	21.65	21.7	/	<=30	Pass
		Edge_1RB_Right	22.03	21.09	/	22.23	21.39	/	<=30	Pass
		Outer_Full	22.89	22.19	/	23.09	22.49	/	<=30	Pass
		Inner_Full	22.89	22.13	/	23.09	22.43	/	<=30	Pass
		Inner_1RB_Left	22.47	22.32	/	22.67	22.62	/	<=30	Pass
		Inner_1RB_Right	22.98	22.13	/	23.18	22.43	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.12	21.87	/	22.32	22.17	/	<=30	Pass
		Edge_1RB_Right	21.99	21.80	/	22.19	22.1	/	<=30	Pass
		Outer_Full	22.87	22.82	/	23.07	23.12	/	<=30	Pass
		Inner_Full	22.80	22.73	/	23.00	23.03	/	<=30	Pass
		Inner_1RB_Left	23.13	22.81	/	23.33	23.11	/	<=30	Pass
		Inner_1RB_Right	23.03	22.76	/	23.23	23.06	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Edge_1RB_Left	20.66	20.38	/	20.86	20.68	/	<=30	Pass
		Edge_1RB_Right	20.50	20.48	/	20.70	20.78	/	<=30	Pass
		Outer_Full	20.91	20.72	/	21.11	21.02	/	<=30	Pass
		Inner_Full	20.90	20.47	/	21.10	20.77	/	<=30	Pass
		Inner_1RB_Left	20.67	20.55	/	20.87	20.85	/	<=30	Pass
		Inner_1RB_Right	20.33	20.61	/	20.53	20.91	/	<=30	Pass
	3840	Edge_1RB_Left	20.33	20.13	/	20.53	20.43	/	<=30	Pass
		Edge_1RB_Right	20.93	20.07	/	21.13	20.37	/	<=30	Pass
		Outer_Full	20.84	19.98	/	21.04	20.28	/	<=30	Pass
		Inner_Full	20.75	20.04	/	20.95	20.34	/	<=30	Pass
		Inner_1RB_Left	20.31	20.14	/	20.51	20.44	/	<=30	Pass
		Inner_1RB_Right	20.90	20.13	/	21.10	20.43	/	<=30	Pass
	3964.98	Edge_1RB_Left	20.98	20.88	/	21.18	21.18	/	<=30	Pass
		Edge_1RB_Right	21.11	20.66	/	21.31	20.96	/	<=30	Pass
		Outer_Full	20.84	20.73	/	21.04	21.03	/	<=30	Pass
		Inner_Full	20.75	20.66	/	20.95	20.96	/	<=30	Pass
		Inner_1RB_Left	20.95	20.77	/	21.15	21.07	/	<=30	Pass

		Inner 1RB Right	20.81	20.79	/	21.01	21.09	/	<=30	Pass
CP-OFDM QPSK	3715.02	Edge 1RB Left	21.81	21.54	/	22.01	21.84	/	<=30	Pass
		Edge 1RB Right	21.44	21.77	/	21.64	22.07	/	<=30	Pass
		Outer Full	22.35	22.06	/	22.55	22.36	/	<=30	Pass
		Inner Full	23.97	23.61	/	24.17	23.91	/	<=30	Pass
		Inner 1RB Left	23.78	23.50	/	23.98	23.8	/	<=30	Pass
		Inner 1RB Right	23.42	23.65	/	23.62	23.95	/	<=30	Pass
	3840	Edge 1RB Left	21.43	21.28	/	21.63	21.58	/	<=30	Pass
		Edge 1RB Right	22.06	21.13	/	22.26	21.43	/	<=30	Pass
		Outer Full	22.31	21.58	/	22.51	21.88	/	<=30	Pass
		Inner Full	23.79	23.12	/	23.99	23.42	/	<=30	Pass
		Inner 1RB Left	23.37	23.31	/	23.57	23.61	/	<=30	Pass
		Inner 1RB Right	23.98	23.16	/	24.18	23.46	/	<=30	Pass
	3964.98	Edge 1RB Left	22.12	21.92	/	22.32	22.22	/	<=30	Pass
		Edge 1RB Right	22.14	21.83	/	22.34	22.13	/	<=30	Pass
		Outer Full	22.50	22.21	/	22.70	22.51	/	<=30	Pass
		Inner Full	23.77	23.74	/	23.97	24.04	/	<=30	Pass
		Inner 1RB Left	24.10	23.79	/	24.30	24.09	/	<=30	Pass
		Inner 1RB Right	24.06	23.62	/	24.26	23.92	/	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge 1RB Left	21.72	21.35	/	21.92	21.65	/	<=30	Pass
		Edge 1RB Right	21.34	21.51	/	21.54	21.81	/	<=30	Pass
		Outer Full	22.38	22.16	/	22.58	22.46	/	<=30	Pass
		Inner Full	23.50	23.12	/	23.70	23.42	/	<=30	Pass
		Inner 1RB Left	23.21	22.87	/	23.41	23.17	/	<=30	Pass
		Inner 1RB Right	22.74	22.91	/	22.94	23.21	/	<=30	Pass
	3840	Edge 1RB Left	21.29	21.17	/	21.49	21.47	/	<=30	Pass
		Edge 1RB Right	21.98	21.25	/	22.18	21.55	/	<=30	Pass
		Outer Full	22.33	21.66	/	22.53	21.96	/	<=30	Pass
		Inner Full	23.31	22.59	/	23.51	22.89	/	<=30	Pass
		Inner 1RB Left	22.80	22.61	/	23.00	22.91	/	<=30	Pass
		Inner 1RB Right	23.37	22.48	/	23.57	22.78	/	<=30	Pass
	3964.98	Edge 1RB Left	21.94	21.66	/	22.14	21.96	/	<=30	Pass
		Edge 1RB Right	22.01	21.62	/	22.21	21.92	/	<=30	Pass
		Outer Full	22.28	22.23	/	22.48	22.53	/	<=30	Pass
		Inner Full	23.26	23.17	/	23.46	23.47	/	<=30	Pass
		Inner 1RB Left	23.32	23.31	/	23.52	23.61	/	<=30	Pass
		Inner 1RB Right	23.24	23.18	/	23.44	23.48	/	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge 1RB Left	21.91	21.67	/	22.11	21.97	/	<=30	Pass
		Edge 1RB Right	21.51	21.65	/	21.71	21.95	/	<=30	Pass
		Outer Full	21.87	21.66	/	22.07	21.96	/	<=30	Pass
		Inner Full	22.02	21.60	/	22.22	21.9	/	<=30	Pass
		Inner 1RB Left	21.84	21.62	/	22.04	21.92	/	<=30	Pass
		Inner 1RB Right	21.48	21.69	/	21.68	21.99	/	<=30	Pass
	3840	Edge 1RB Left	21.48	21.27	/	21.68	21.57	/	<=30	Pass
		Edge 1RB Right	22.09	21.24	/	22.29	21.54	/	<=30	Pass
		Outer Full	21.74	21.06	/	21.94	21.36	/	<=30	Pass
		Inner Full	21.85	21.06	/	22.05	21.36	/	<=30	Pass
		Inner 1RB Left	21.50	21.40	/	21.70	21.7	/	<=30	Pass
		Inner 1RB Right	22.07	21.15	/	22.27	21.45	/	<=30	Pass
	3964.98	Edge 1RB Left	22.05	21.77	/	22.25	22.07	/	<=30	Pass
		Edge 1RB Right	22.06	21.68	/	22.26	21.98	/	<=30	Pass
		Outer Full	21.90	21.74	/	22.10	22.04	/	<=30	Pass
		Inner Full	21.84	21.73	/	22.04	22.03	/	<=30	Pass
		Inner 1RB Left	21.92	21.85	/	22.12	22.15	/	<=30	Pass
		Inner 1RB Right	22.07	21.80	/	22.27	22.1	/	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge 1RB Left	18.82	18.58	/	19.02	18.88	/	<=30	Pass
		Edge 1RB Right	18.35	18.53	/	18.55	18.83	/	<=30	Pass
		Outer Full	18.95	18.57	/	19.15	18.87	/	<=30	Pass
		Inner Full	18.84	18.62	/	19.04	18.92	/	<=30	Pass

		Inner 1RB Left	18.73	18.45	/	18.93	18.75	/	<=30	Pass
		Inner 1RB Right	18.36	18.59	/	18.56	18.89	/	<=30	Pass
	3840	Edge 1RB Left	18.30	18.13	/	18.50	18.43	/	<=30	Pass
		Edge 1RB Right	18.95	18.09	/	19.15	18.39	/	<=30	Pass
		Outer Full	18.89	18.08	/	19.09	18.38	/	<=30	Pass
		Inner Full	18.77	18.02	/	18.97	18.32	/	<=30	Pass
		Inner 1RB Left	18.47	18.24	/	18.67	18.54	/	<=30	Pass
		Inner 1RB Right	18.98	18.00	/	19.18	18.3	/	<=30	Pass
	3964.98	Edge 1RB Left	19.09	18.93	/	19.29	19.23	/	<=30	Pass
		Edge 1RB Right	18.97	18.66	/	19.17	18.96	/	<=30	Pass
		Outer Full	18.93	18.78	/	19.13	19.08	/	<=30	Pass
		Inner Full	18.81	18.66	/	19.01	18.96	/	<=30	Pass
		Inner 1RB Left	19.09	18.65	/	19.29	18.95	/	<=30	Pass
		Inner 1RB Right	18.97	18.72	/	19.17	19.02	/	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77a SCS=30kHz MIMO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3715.02	Edge 1RB Left	19.22	19.32	22.28	19.42	19.62	22.53	<=30	Pass
		Edge 1RB Right	18.65	19.16	21.93	18.85	19.46	22.18	<=30	Pass
		Outer Full	19.30	19.75	22.54	19.50	20.05	22.79	<=30	Pass
		Inner Full	20.86	21.29	24.09	21.06	21.59	24.34	<=30	Pass
		Inner 1RB Left	21.06	21.26	24.17	21.26	21.56	24.42	<=30	Pass
		Inner 1RB Right	20.42	21.31	23.90	20.62	21.61	24.15	<=30	Pass
	3840	Edge 1RB Left	18.95	19.64	22.32	19.15	19.94	22.57	<=30	Pass
		Edge 1RB Right	19.10	19.69	22.42	19.30	19.99	22.67	<=30	Pass
		Outer Full	19.57	20.04	22.82	19.77	20.34	23.07	<=30	Pass
		Inner Full	21.10	21.52	24.33	21.30	21.82	24.58	<=30	Pass
		Inner 1RB Left	20.90	21.55	24.25	21.10	21.85	24.50	<=30	Pass
		Inner 1RB Right	21.12	21.64	24.40	21.32	21.94	24.65	<=30	Pass
	3964.98	Edge 1RB Left	19.34	19.48	22.42	19.54	19.78	22.67	<=30	Pass
		Edge 1RB Right	19.22	19.43	22.34	19.42	19.73	22.59	<=30	Pass
		Outer Full	19.82	19.73	22.79	20.02	20.03	23.04	<=30	Pass
		Inner Full	21.38	21.17	24.28	21.58	21.47	24.54	<=30	Pass
		Inner 1RB Left	21.27	21.34	24.32	21.47	21.64	24.57	<=30	Pass
		Inner 1RB Right	21.30	21.43	24.38	21.50	21.73	24.63	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge 1RB Left	18.95	19.43	22.20	19.15	19.73	22.46	<=30	Pass
		Edge 1RB Right	18.30	19.22	21.80	18.50	19.52	22.05	<=30	Pass
		Outer Full	19.31	19.74	22.54	19.51	20.04	22.79	<=30	Pass
		Inner Full	20.32	20.81	23.58	20.52	21.11	23.84	<=30	Pass
		Inner 1RB Left	20.68	20.82	23.76	20.88	21.12	24.01	<=30	Pass
		Inner 1RB Right	20.04	20.69	23.39	20.24	20.99	23.64	<=30	Pass
	3840	Edge 1RB Left	18.88	19.55	22.24	19.08	19.85	22.49	<=30	Pass
		Edge 1RB Right	19.14	19.66	22.42	19.34	19.96	22.67	<=30	Pass
		Outer Full	19.60	20.07	22.85	19.80	20.37	23.10	<=30	Pass
		Inner Full	20.59	20.95	23.79	20.79	21.25	24.04	<=30	Pass
		Inner 1RB Left	20.48	21.09	23.80	20.68	21.39	24.06	<=30	Pass
		Inner 1RB Right	20.68	21.17	23.94	20.88	21.47	24.20	<=30	Pass
	3964.98	Edge 1RB Left	19.45	19.22	22.35	19.65	19.52	22.60	<=30	Pass
		Edge 1RB Right	19.34	19.26	22.31	19.54	19.56	22.56	<=30	Pass
		Outer Full	19.71	19.70	22.71	19.91	20.00	22.97	<=30	Pass
		Inner Full	20.72	20.70	23.72	20.92	21.00	23.97	<=30	Pass
		Inner 1RB Left	20.73	20.74	23.74	20.93	21.04	24.00	<=30	Pass
		Inner 1RB Right	20.84	20.79	23.83	21.04	21.09	24.08	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge 1RB Left	19.11	19.22	22.17	19.31	19.52	22.43	<=30	Pass
		Edge 1RB Right	17.50	18.03	20.78	17.70	18.33	21.04	<=30	Pass

		Outer_Full	18.90	19.17	22.04	19.10	19.47	22.30	<=30	Pass
		Inner_Full	18.76	19.18	21.99	18.96	19.48	22.24	<=30	Pass
		Inner_1RB_Left	19.13	19.22	22.18	19.33	19.52	22.44	<=30	Pass
		Inner_1RB_Right	18.46	19.10	21.80	18.66	19.40	22.06	<=30	Pass
	3840	Edge_1RB_Left	18.87	19.55	22.24	19.07	19.85	22.49	<=30	Pass
		Edge_1RB_Right	19.07	19.62	22.36	19.27	19.92	22.62	<=30	Pass
		Outer_Full	19.03	19.54	22.31	19.23	19.84	22.56	<=30	Pass
		Inner_Full	19.04	19.46	22.26	19.24	19.76	22.52	<=30	Pass
	3964.98	Inner_1RB_Left	18.82	19.63	22.25	19.02	19.93	22.51	<=30	Pass
		Inner_1RB_Right	19.05	19.65	22.37	19.25	19.95	22.62	<=30	Pass
		Edge_1RB_Left	19.15	19.37	22.27	19.35	19.67	22.52	<=30	Pass
		Edge_1RB_Right	19.16	19.39	22.29	19.36	19.69	22.54	<=30	Pass
		Outer_Full	19.17	19.21	22.20	19.37	19.51	22.45	<=30	Pass
		Inner_Full	19.22	19.12	22.18	19.42	19.42	22.43	<=30	Pass
		Inner_1RB_Left	19.07	19.37	22.23	19.27	19.67	22.48	<=30	Pass
		Inner_1RB_Right	19.24	19.40	22.33	19.44	19.70	22.58	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge_1RB_Left	16.28	16.21	19.26	16.48	16.51	19.51	<=30	Pass
		Edge_1RB_Right	15.57	15.96	18.78	15.77	16.26	19.03	<=30	Pass
		Outer_Full	15.91	16.22	19.08	16.11	16.52	19.33	<=30	Pass
		Inner_Full	15.98	16.35	19.18	16.18	16.65	19.43	<=30	Pass
		Inner_1RB_Left	16.22	16.19	19.22	16.42	16.49	19.47	<=30	Pass
		Inner_1RB_Right	15.58	16.14	18.88	15.78	16.44	19.13	<=30	Pass
	3840	Edge_1RB_Left	15.80	16.78	19.33	16.00	17.08	19.58	<=30	Pass
		Edge_1RB_Right	16.02	16.77	19.42	16.22	17.07	19.68	<=30	Pass
		Outer_Full	16.05	16.60	19.34	16.25	16.90	19.60	<=30	Pass
		Inner_Full	16.05	16.59	19.34	16.25	16.89	19.59	<=30	Pass
		Inner_1RB_Left	15.73	16.84	19.33	15.93	17.14	19.59	<=30	Pass
		Inner_1RB_Right	16.09	16.80	19.47	16.29	17.10	19.72	<=30	Pass
	3964.98	Edge_1RB_Left	16.52	16.27	19.41	16.72	16.57	19.66	<=30	Pass
		Edge_1RB_Right	16.49	16.24	19.38	16.69	16.54	19.63	<=30	Pass
		Outer_Full	16.27	16.21	19.25	16.47	16.51	19.50	<=30	Pass
		Inner_Full	16.37	16.21	19.30	16.57	16.51	19.55	<=30	Pass
		Inner_1RB_Left	16.49	16.27	19.39	16.69	16.57	19.64	<=30	Pass
		Inner_1RB_Right	16.42	16.27	19.36	16.62	16.57	19.61	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.3 30k_40MHz_NTNV_EIRP

1.3.1 Test Result

5G NR n77a SCS=30kHz SISO 40MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3720	Edge_1RB_Left	22.21	21.64	/	22.41	21.94	/	<=30	Pass
		Edge_1RB_Right	21.71	21.65	/	21.91	21.95	/	<=30	Pass
		Outer_Full	24.88	24.67	/	25.08	24.97	/	<=30	Pass
		Inner_Full	25.42	25.14	/	25.62	25.44	/	<=30	Pass
		Inner_1RB_Left	25.47	25.13	/	25.67	25.43	/	<=30	Pass
	3840	Inner_1RB_Right	25.08	25.20	/	25.28	25.5	/	<=30	Pass
		Edge_1RB_Left	20.91	21.40	/	21.11	21.7	/	<=30	Pass
		Edge_1RB_Right	21.16	21.08	/	21.36	21.38	/	<=30	Pass
		Outer_Full	23.83	24.27	/	24.03	24.57	/	<=30	Pass
		Inner_Full	24.38	24.58	/	24.58	24.88	/	<=30	Pass

		Inner_1RB_Left	24.32	24.79	/	24.52	25.09	/	<=30	Pass
		Inner_1RB_Right	24.64	24.62	/	24.84	24.92	/	<=30	Pass
	3960	Edge_1RB_Left	21.36	21.96	/	21.56	22.26	/	<=30	Pass
		Edge_1RB_Right	21.56	21.94	/	21.76	22.24	/	<=30	Pass
		Outer_Full	24.03	24.75	/	24.23	25.05	/	<=30	Pass
		Inner_Full	24.47	25.26	/	24.67	25.56	/	<=30	Pass
		Inner_1RB_Left	24.82	25.43	/	25.02	25.73	/	<=30	Pass
		Inner_1RB_Right	24.89	25.37	/	25.09	25.67	/	<=30	Pass
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	21.88	21.47	/	22.08	21.77	/	<=30	Pass
		Edge_1RB_Right	21.54	21.55	/	21.74	21.85	/	<=30	Pass
		Outer_Full	24.41	24.17	/	24.61	24.47	/	<=30	Pass
		Inner_Full	25.29	25.12	/	25.49	25.42	/	<=30	Pass
		Inner_1RB_Left	25.43	25.04	/	25.63	25.34	/	<=30	Pass
		Inner_1RB_Right	24.99	25.10	/	25.19	25.4	/	<=30	Pass
	3840	Edge_1RB_Left	20.76	21.31	/	20.96	21.61	/	<=30	Pass
		Edge_1RB_Right	21.06	21.10	/	21.26	21.4	/	<=30	Pass
		Outer_Full	23.28	23.71	/	23.48	24.01	/	<=30	Pass
		Inner_Full	24.42	24.68	/	24.62	24.98	/	<=30	Pass
		Inner_1RB_Left	24.24	24.82	/	24.44	25.12	/	<=30	Pass
		Inner_1RB_Right	24.58	24.60	/	24.78	24.9	/	<=30	Pass
	3960	Edge_1RB_Left	21.26	21.97	/	21.46	22.27	/	<=30	Pass
		Edge_1RB_Right	21.23	21.88	/	21.43	22.18	/	<=30	Pass
		Outer_Full	23.65	24.31	/	23.85	24.61	/	<=30	Pass
		Inner_Full	24.43	25.21	/	24.63	25.51	/	<=30	Pass
		Inner_1RB_Left	24.75	25.34	/	24.95	25.64	/	<=30	Pass
		Inner_1RB_Right	24.76	25.24	/	24.96	25.54	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge_1RB_Left	21.83	21.52	/	22.03	21.82	/	<=30	Pass
		Edge_1RB_Right	21.38	21.61	/	21.58	21.91	/	<=30	Pass
		Outer_Full	23.28	23.16	/	23.48	23.46	/	<=30	Pass
		Inner_Full	24.33	24.23	/	24.53	24.53	/	<=30	Pass
		Inner_1RB_Left	24.32	24.15	/	24.52	24.45	/	<=30	Pass
		Inner_1RB_Right	23.95	24.13	/	24.15	24.43	/	<=30	Pass
	3840	Edge_1RB_Left	20.69	21.19	/	20.89	21.49	/	<=30	Pass
		Edge_1RB_Right	21.00	20.98	/	21.20	21.28	/	<=30	Pass
		Outer_Full	22.34	22.65	/	22.54	22.95	/	<=30	Pass
		Inner_Full	23.34	23.63	/	23.54	23.93	/	<=30	Pass
		Inner_1RB_Left	23.03	23.77	/	23.23	24.07	/	<=30	Pass
		Inner_1RB_Right	23.44	23.51	/	23.64	23.81	/	<=30	Pass
	3960	Edge_1RB_Left	21.09	21.83	/	21.29	22.13	/	<=30	Pass
		Edge_1RB_Right	21.26	21.72	/	21.46	22.02	/	<=30	Pass
		Outer_Full	22.57	23.33	/	22.77	23.63	/	<=30	Pass
		Inner_Full	23.44	24.24	/	23.64	24.54	/	<=30	Pass
		Inner_1RB_Left	23.54	24.23	/	23.74	24.53	/	<=30	Pass
		Inner_1RB_Right	23.72	24.15	/	23.92	24.45	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge_1RB_Left	22.11	21.62	/	22.31	21.92	/	<=30	Pass
		Edge_1RB_Right	21.57	21.72	/	21.77	22.02	/	<=30	Pass
		Outer_Full	22.94	22.56	/	23.14	22.86	/	<=30	Pass
		Inner_Full	22.86	22.54	/	23.06	22.84	/	<=30	Pass
		Inner_1RB_Left	23.02	22.61	/	23.22	22.91	/	<=30	Pass
		Inner_1RB_Right	22.67	22.57	/	22.87	22.87	/	<=30	Pass
	3840	Edge_1RB_Left	20.77	21.37	/	20.97	21.67	/	<=30	Pass
		Edge_1RB_Right	21.05	21.23	/	21.25	21.53	/	<=30	Pass
		Outer_Full	21.72	22.16	/	21.92	22.46	/	<=30	Pass
		Inner_Full	21.62	22.02	/	21.82	22.32	/	<=30	Pass
		Inner_1RB_Left	21.67	22.35	/	21.87	22.65	/	<=30	Pass
		Inner_1RB_Right	22.02	22.24	/	22.22	22.54	/	<=30	Pass
	3960	Edge_1RB_Left	21.20	21.96	/	21.40	22.26	/	<=30	Pass
		Edge_1RB_Right	21.29	21.89	/	21.49	22.19	/	<=30	Pass
		Outer_Full	22.12	22.86	/	22.32	23.16	/	<=30	Pass

		Inner_Full	22.05	22.78	/	22.25	23.08	/	<=30	Pass
		Inner_1RB_Left	22.26	22.97	/	22.46	23.27	/	<=30	Pass
		Inner_1RB_Right	22.32	22.84	/	22.52	23.14	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge_1RB_Left	20.89	20.43	/	21.09	20.73	/	<=30	Pass
		Edge_1RB_Right	20.53	20.59	/	20.73	20.89	/	<=30	Pass
		Outer_Full	20.77	20.62	/	20.97	20.92	/	<=30	Pass
		Inner_Full	20.98	20.55	/	21.18	20.85	/	<=30	Pass
		Inner_1RB_Left	21.00	20.50	/	21.20	20.8	/	<=30	Pass
		Inner_1RB_Right	20.52	20.60	/	20.72	20.9	/	<=30	Pass
		Edge_1RB_Left	19.69	20.32	/	19.89	20.62	/	<=30	Pass
	3840	Edge_1RB_Right	20.03	20.20	/	20.23	20.5	/	<=30	Pass
		Outer_Full	19.70	20.19	/	19.90	20.49	/	<=30	Pass
		Inner_Full	19.88	20.01	/	20.08	20.31	/	<=30	Pass
		Inner_1RB_Left	19.85	20.26	/	20.05	20.56	/	<=30	Pass
		Inner_1RB_Right	19.86	20.14	/	20.06	20.44	/	<=30	Pass
	3960	Edge_1RB_Left	20.24	20.93	/	20.44	21.23	/	<=30	Pass
		Edge_1RB_Right	20.53	20.79	/	20.73	21.09	/	<=30	Pass
		Outer_Full	20.16	20.82	/	20.36	21.12	/	<=30	Pass
		Inner_Full	20.05	20.76	/	20.25	21.06	/	<=30	Pass
		Inner_1RB_Left	20.32	21.07	/	20.52	21.37	/	<=30	Pass
		Inner_1RB_Right	20.34	20.80	/	20.54	21.1	/	<=30	Pass
		Edge_1RB_Left	22.18	21.73	/	22.38	22.03	/	<=30	Pass
CP-OFDM QPSK	3720	Edge_1RB_Right	21.63	21.83	/	21.83	22.13	/	<=30	Pass
		Outer_Full	22.33	22.16	/	22.53	22.46	/	<=30	Pass
		Inner_Full	23.88	23.66	/	24.08	23.96	/	<=30	Pass
		Inner_1RB_Left	24.04	23.79	/	24.24	24.09	/	<=30	Pass
		Inner_1RB_Right	23.59	23.69	/	23.79	23.99	/	<=30	Pass
		Edge_1RB_Left	20.93	21.41	/	21.13	21.71	/	<=30	Pass
	3840	Edge_1RB_Right	20.96	21.27	/	21.16	21.57	/	<=30	Pass
		Outer_Full	21.17	21.69	/	21.37	21.99	/	<=30	Pass
		Inner_Full	22.72	23.16	/	22.92	23.46	/	<=30	Pass
		Inner_1RB_Left	22.79	23.54	/	22.99	23.84	/	<=30	Pass
		Inner_1RB_Right	23.08	23.33	/	23.28	23.63	/	<=30	Pass
	3960	Edge_1RB_Left	21.51	22.06	/	21.71	22.36	/	<=30	Pass
		Edge_1RB_Right	21.50	21.88	/	21.70	22.18	/	<=30	Pass
		Outer_Full	21.69	22.29	/	21.89	22.59	/	<=30	Pass
		Inner_Full	23.01	23.76	/	23.21	24.06	/	<=30	Pass
		Inner_1RB_Left	23.35	23.90	/	23.55	24.2	/	<=30	Pass
		Inner_1RB_Right	23.39	23.83	/	23.59	24.13	/	<=30	Pass
		Edge_1RB_Left	21.82	21.38	/	22.02	21.68	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge_1RB_Right	21.41	21.50	/	21.61	21.8	/	<=30	Pass
		Outer_Full	22.38	22.13	/	22.58	22.43	/	<=30	Pass
		Inner_Full	23.30	22.99	/	23.50	23.29	/	<=30	Pass
		Inner_1RB_Left	23.40	22.97	/	23.60	23.27	/	<=30	Pass
		Inner_1RB_Right	22.95	22.91	/	23.15	23.21	/	<=30	Pass
		Edge_1RB_Left	20.59	21.11	/	20.79	21.41	/	<=30	Pass
	3840	Edge_1RB_Right	20.83	21.00	/	21.03	21.3	/	<=30	Pass
		Outer_Full	21.19	21.68	/	21.39	21.98	/	<=30	Pass
		Inner_Full	22.17	22.66	/	22.37	22.96	/	<=30	Pass
		Inner_1RB_Left	22.06	22.72	/	22.26	23.02	/	<=30	Pass
		Inner_1RB_Right	22.33	22.51	/	22.53	22.81	/	<=30	Pass
	3960	Edge_1RB_Left	21.20	21.74	/	21.40	22.04	/	<=30	Pass
		Edge_1RB_Right	21.19	21.73	/	21.39	22.03	/	<=30	Pass
		Outer_Full	21.52	22.26	/	21.72	22.56	/	<=30	Pass
		Inner_Full	22.50	23.26	/	22.70	23.56	/	<=30	Pass
		Inner_1RB_Left	22.60	23.28	/	22.80	23.58	/	<=30	Pass
		Inner_1RB_Right	22.67	23.22	/	22.87	23.52	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	22.03	21.52	/	22.23	21.82	/	<=30	Pass
		Edge_1RB_Right	21.67	21.65	/	21.87	21.95	/	<=30	Pass

		Outer_Full	21.89	21.72	/	22.09	22.02	/	<=30	Pass
		Inner_Full	21.84	21.59	/	22.04	21.89	/	<=30	Pass
		Inner_1RB_Left	22.05	21.65	/	22.25	21.95	/	<=30	Pass
		Inner_1RB_Right	21.61	21.73	/	21.81	22.03	/	<=30	Pass
	3840	Edge_1RB_Left	20.65	21.31	/	20.85	21.61	/	<=30	Pass
		Edge_1RB_Right	20.99	21.12	/	21.19	21.42	/	<=30	Pass
		Outer_Full	20.95	21.20	/	21.15	21.5	/	<=30	Pass
		Inner_Full	20.74	21.11	/	20.94	21.41	/	<=30	Pass
		Inner_1RB_Left	20.72	21.37	/	20.92	21.67	/	<=30	Pass
		Inner_1RB_Right	21.04	21.16	/	21.24	21.46	/	<=30	Pass
	3960	Edge_1RB_Left	21.35	22.02	/	21.55	22.32	/	<=30	Pass
		Edge_1RB_Right	21.38	21.89	/	21.58	22.19	/	<=30	Pass
		Outer_Full	21.20	21.86	/	21.40	22.16	/	<=30	Pass
		Inner_Full	21.03	21.71	/	21.23	22.01	/	<=30	Pass
		Inner_1RB_Left	21.49	21.95	/	21.69	22.25	/	<=30	Pass
		Inner_1RB_Right	21.43	22.02	/	21.63	22.32	/	<=30	Pass
CP-OFDM 256 QAM	3720	Edge_1RB_Left	18.99	18.47	/	19.19	18.77	/	<=30	Pass
		Edge_1RB_Right	18.43	18.62	/	18.63	18.92	/	<=30	Pass
		Outer_Full	18.18	18.54	/	18.38	18.84	/	<=30	Pass
		Inner_Full	18.29	18.75	/	18.49	19.05	/	<=30	Pass
		Inner_1RB_Left	18.38	18.51	/	18.58	18.81	/	<=30	Pass
		Inner_1RB_Right	18.11	18.53	/	18.31	18.83	/	<=30	Pass
	3840	Edge_1RB_Left	17.75	18.23	/	17.95	18.53	/	<=30	Pass
		Edge_1RB_Right	17.95	18.17	/	18.15	18.47	/	<=30	Pass
		Outer_Full	17.70	18.16	/	17.90	18.46	/	<=30	Pass
		Inner_Full	17.70	18.21	/	17.90	18.51	/	<=30	Pass
		Inner_1RB_Left	17.78	18.32	/	17.98	18.62	/	<=30	Pass
		Inner_1RB_Right	17.87	18.19	/	18.07	18.49	/	<=30	Pass
	3960	Edge_1RB_Left	18.36	19.00	/	18.56	19.3	/	<=30	Pass
		Edge_1RB_Right	18.45	18.82	/	18.65	19.12	/	<=30	Pass
		Outer_Full	18.12	18.72	/	18.32	19.02	/	<=30	Pass
		Inner_Full	18.11	18.72	/	18.31	19.02	/	<=30	Pass
		Inner_1RB_Left	18.38	19.07	/	18.58	19.37	/	<=30	Pass
		Inner_1RB_Right	18.40	18.82	/	18.60	19.12	/	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77a SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3720	Edge 1RB Left	19.35	19.58	22.48	19.55	19.88	22.73	<=30	Pass
		Edge 1RB Right	18.91	19.41	22.18	19.11	19.71	22.43	<=30	Pass
		Outer Full	19.33	19.83	22.60	19.53	20.13	22.85	<=30	Pass
		Inner Full	20.70	21.35	24.05	20.90	21.65	24.30	<=30	Pass
		Inner 1RB Left	21.42	21.50	24.47	21.62	21.80	24.72	<=30	Pass
		Inner 1RB Right	20.88	21.33	24.12	21.08	21.63	24.37	<=30	Pass
	3840	Edge 1RB Left	18.92	19.68	22.33	19.12	19.98	22.58	<=30	Pass
		Edge 1RB Right	19.13	19.72	22.45	19.33	20.02	22.70	<=30	Pass
		Outer Full	19.62	20.12	22.89	19.82	20.42	23.14	<=30	Pass
		Inner Full	21.16	21.57	24.38	21.36	21.87	24.63	<=30	Pass
		Inner 1RB Left	20.94	21.59	24.29	21.14	21.89	24.54	<=30	Pass
		Inner 1RB Right	21.20	21.74	24.49	21.40	22.04	24.74	<=30	Pass
	3960	Edge 1RB Left	19.51	19.41	22.47	19.71	19.71	22.72	<=30	Pass
		Edge 1RB Right	19.41	19.43	22.43	19.61	19.73	22.68	<=30	Pass
		Outer Full	19.63	19.69	22.67	19.83	19.99	22.92	<=30	Pass
		Inner Full	21.08	21.20	24.15	21.28	21.50	24.40	<=30	Pass
		Inner 1RB Left	21.44	21.42	24.44	21.64	21.72	24.69	<=30	Pass
		Inner 1RB Right	21.47	21.41	24.45	21.67	21.71	24.70	<=30	Pass

Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

1.4 30k_60MHz_NTNV_EIRP

1.4.1 Test Result

5G NR n77a SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left	20.55	21.31	/	20.75	21.61	/	<=30	Pass
		Edge_1RB_Right	21.36	21.32	/	21.56	21.62	/	<=30	Pass
		Outer_Full	23.73	24.45	/	23.93	24.75	/	<=30	Pass
		Inner_Full	24.09	24.92	/	24.29	25.22	/	<=30	Pass
		Inner_1RB_Left	24.10	24.75	/	24.30	25.05	/	<=30	Pass
		Inner_1RB_Right	24.72	24.88	/	24.92	25.18	/	<=30	Pass
	3840	Edge_1RB_Left	20.72	21.17	/	20.92	21.47	/	<=30	Pass
		Edge_1RB_Right	20.84	21.05	/	21.04	21.35	/	<=30	Pass
		Outer_Full	23.76	24.06	/	23.96	24.36	/	<=30	Pass
		Inner_Full	24.15	24.49	/	24.35	24.79	/	<=30	Pass
		Inner_1RB_Left	24.08	24.56	/	24.28	24.86	/	<=30	Pass
		Inner_1RB_Right	24.30	24.46	/	24.50	24.76	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.54	21.02	/	20.74	21.32	/	<=30	Pass
		Edge_1RB_Right	20.76	20.82	/	20.96	21.12	/	<=30	Pass
		Outer_Full	23.60	23.89	/	23.80	24.19	/	<=30	Pass
		Inner_Full	23.98	24.30	/	24.18	24.6	/	<=30	Pass
		Inner_1RB_Left	24.07	24.33	/	24.27	24.63	/	<=30	Pass
		Inner_1RB_Right	24.12	24.21	/	24.32	24.51	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	20.74	21.22	/	20.94	21.52	/	<=30	Pass
		Edge_1RB_Right	21.21	21.30	/	21.41	21.6	/	<=30	Pass
		Outer_Full	23.24	23.88	/	23.44	24.18	/	<=30	Pass
		Inner_Full	24.09	25.09	/	24.29	25.39	/	<=30	Pass
		Inner_1RB_Left	24.07	24.77	/	24.27	25.07	/	<=30	Pass
		Inner_1RB_Right	24.70	24.78	/	24.90	25.08	/	<=30	Pass
	3840	Edge_1RB_Left	20.77	20.94	/	20.97	21.24	/	<=30	Pass
		Edge_1RB_Right	20.76	20.98	/	20.96	21.28	/	<=30	Pass
		Outer_Full	23.29	23.48	/	23.49	23.78	/	<=30	Pass
		Inner_Full	24.13	24.45	/	24.33	24.75	/	<=30	Pass
		Inner_1RB_Left	24.16	24.50	/	24.36	24.8	/	<=30	Pass
		Inner_1RB_Right	24.36	24.45	/	24.56	24.75	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.64	21.11	/	20.84	21.41	/	<=30	Pass
		Edge_1RB_Right	20.70	20.66	/	20.90	20.96	/	<=30	Pass
		Outer_Full	23.06	23.38	/	23.26	23.68	/	<=30	Pass
		Inner_Full	23.96	24.28	/	24.16	24.58	/	<=30	Pass
		Inner_1RB_Left	24.11	24.39	/	24.31	24.69	/	<=30	Pass
		Inner_1RB_Right	24.14	24.23	/	24.34	24.53	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Edge_1RB_Left	20.58	21.14	/	20.78	21.44	/	<=30	Pass
		Edge_1RB_Right	21.13	21.34	/	21.33	21.64	/	<=30	Pass
		Outer_Full	22.31	23.04	/	22.51	23.34	/	<=30	Pass
		Inner_Full	23.03	23.93	/	23.23	24.23	/	<=30	Pass
		Inner_1RB_Left	22.97	23.69	/	23.17	23.99	/	<=30	Pass
		Inner_1RB_Right	23.57	23.67	/	23.77	23.97	/	<=30	Pass
	3840	Edge_1RB_Left	20.63	20.97	/	20.83	21.27	/	<=30	Pass
		Edge_1RB_Right	20.86	20.92	/	21.06	21.22	/	<=30	Pass
		Outer_Full	22.26	22.48	/	22.46	22.78	/	<=30	Pass
		Inner_Full	23.16	23.50	/	23.36	23.8	/	<=30	Pass
		Inner_1RB_Left	23.00	23.48	/	23.20	23.78	/	<=30	Pass
		Inner_1RB_Right	23.16	23.34	/	23.36	23.64	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.58	21.03	/	20.78	21.33	/	<=30	Pass

		Edge 1RB Right	20.70	20.83	/	20.90	21.13	/	<=30	Pass
		Outer Full	22.18	22.37	/	22.38	22.67	/	<=30	Pass
		Inner Full	23.01	23.32	/	23.21	23.62	/	<=30	Pass
		Inner 1RB Left	22.94	23.53	/	23.14	23.83	/	<=30	Pass
		Inner 1RB Right	23.10	23.36	/	23.30	23.66	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge 1RB Left	20.59	21.34	/	20.79	21.64	/	<=30	Pass
		Edge 1RB Right	21.24	21.32	/	21.44	21.62	/	<=30	Pass
		Outer Full	21.77	22.36	/	21.97	22.66	/	<=30	Pass
		Inner Full	21.58	22.43	/	21.78	22.73	/	<=30	Pass
		Inner 1RB Left	21.79	22.33	/	21.99	22.63	/	<=30	Pass
		Inner 1RB Right	22.29	22.30	/	22.49	22.6	/	<=30	Pass
		Inner 1RB Right	22.29	22.30	/	22.49	22.6	/	<=30	Pass
	3840	Edge 1RB Left	20.66	21.04	/	20.86	21.34	/	<=30	Pass
		Edge 1RB Right	20.96	21.21	/	21.16	21.51	/	<=30	Pass
		Outer Full	21.69	22.00	/	21.89	22.3	/	<=30	Pass
		Inner Full	21.72	21.99	/	21.92	22.29	/	<=30	Pass
		Inner 1RB Left	21.72	22.13	/	21.92	22.43	/	<=30	Pass
		Inner 1RB Right	21.94	22.09	/	22.14	22.39	/	<=30	Pass
		Inner 1RB Right	21.94	22.09	/	22.14	22.39	/	<=30	Pass
	3949.98	Edge 1RB Left	20.63	21.00	/	20.83	21.3	/	<=30	Pass
		Edge 1RB Right	20.80	20.85	/	21.00	21.15	/	<=30	Pass
		Outer Full	21.57	21.85	/	21.77	22.15	/	<=30	Pass
		Inner Full	21.58	21.81	/	21.78	22.11	/	<=30	Pass
		Inner 1RB Left	21.62	22.13	/	21.82	22.43	/	<=30	Pass
		Inner 1RB Right	21.80	21.84	/	22.00	22.14	/	<=30	Pass
		Inner 1RB Right	21.80	21.84	/	22.00	22.14	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Edge 1RB Left	19.62	20.24	/	19.82	20.54	/	<=30	Pass
		Edge 1RB Right	20.14	20.29	/	20.34	20.59	/	<=30	Pass
		Outer Full	19.84	20.53	/	20.04	20.83	/	<=30	Pass
		Inner Full	19.54	20.47	/	19.74	20.77	/	<=30	Pass
		Inner 1RB Left	19.59	20.24	/	19.79	20.54	/	<=30	Pass
		Inner 1RB Right	20.29	20.30	/	20.49	20.6	/	<=30	Pass
		Inner 1RB Right	20.29	20.30	/	20.49	20.6	/	<=30	Pass
	3840	Edge 1RB Left	19.63	19.83	/	19.83	20.13	/	<=30	Pass
		Edge 1RB Right	19.73	20.01	/	19.93	20.31	/	<=30	Pass
		Outer Full	19.74	20.00	/	19.94	20.3	/	<=30	Pass
		Inner Full	19.71	19.82	/	19.91	20.12	/	<=30	Pass
		Inner 1RB Left	19.63	19.93	/	19.83	20.23	/	<=30	Pass
		Inner 1RB Right	19.70	19.95	/	19.90	20.25	/	<=30	Pass
		Inner 1RB Right	19.70	19.95	/	19.90	20.25	/	<=30	Pass
	3949.98	Edge 1RB Left	19.52	19.91	/	19.72	20.21	/	<=30	Pass
		Edge 1RB Right	19.68	19.78	/	19.88	20.08	/	<=30	Pass
		Outer Full	19.54	19.94	/	19.74	20.24	/	<=30	Pass
		Inner Full	19.51	19.89	/	19.71	20.19	/	<=30	Pass
		Inner 1RB Left	19.61	19.92	/	19.81	20.22	/	<=30	Pass
		Inner 1RB Right	19.68	19.73	/	19.88	20.03	/	<=30	Pass
		Inner 1RB Right	19.68	19.73	/	19.88	20.03	/	<=30	Pass
CP-OFDM QPSK	3730.02	Edge 1RB Left	20.72	21.39	/	20.92	21.69	/	<=30	Pass
		Edge 1RB Right	21.41	21.45	/	21.61	21.75	/	<=30	Pass
		Outer Full	21.23	21.99	/	21.43	22.29	/	<=30	Pass
		Inner Full	22.72	23.41	/	22.92	23.71	/	<=30	Pass
		Inner 1RB Left	22.72	23.37	/	22.92	23.67	/	<=30	Pass
		Inner 1RB Right	23.38	23.47	/	23.58	23.77	/	<=30	Pass
		Inner 1RB Right	23.38	23.47	/	23.58	23.77	/	<=30	Pass
	3840	Edge 1RB Left	20.87	20.95	/	21.07	21.25	/	<=30	Pass
		Edge 1RB Right	20.87	21.01	/	21.07	21.31	/	<=30	Pass
		Outer Full	21.20	21.52	/	21.40	21.82	/	<=30	Pass
		Inner Full	22.60	23.00	/	22.80	23.3	/	<=30	Pass
		Inner 1RB Left	22.76	23.08	/	22.96	23.38	/	<=30	Pass
		Inner 1RB Right	22.86	23.11	/	23.06	23.41	/	<=30	Pass
		Inner 1RB Right	22.86	23.11	/	23.06	23.41	/	<=30	Pass
	3949.98	Edge 1RB Left	20.62	20.98	/	20.82	21.28	/	<=30	Pass
		Edge 1RB Right	20.82	20.99	/	21.02	21.29	/	<=30	Pass
		Outer Full	21.12	21.32	/	21.32	21.62	/	<=30	Pass
		Inner Full	22.48	22.87	/	22.68	23.17	/	<=30	Pass
		Inner 1RB Left	22.51	23.03	/	22.71	23.33	/	<=30	Pass
		Inner 1RB Right	22.79	22.91	/	22.99	23.21	/	<=30	Pass
		Inner 1RB Right	22.79	22.91	/	22.99	23.21	/	<=30	Pass

CP-OFDM 16 QAM	3730.02	Edge 1RB Left	20.38	21.26	/	20.58	21.56	/	<=30	Pass
		Edge 1RB Right	21.07	21.36	/	21.27	21.66	/	<=30	Pass
		Outer Full	21.29	21.92	/	21.49	22.22	/	<=30	Pass
		Inner Full	22.11	22.83	/	22.31	23.13	/	<=30	Pass
		Inner 1RB Left	22.04	22.69	/	22.24	22.99	/	<=30	Pass
		Inner 1RB Right	22.62	22.80	/	22.82	23.1	/	<=30	Pass
	3840	Edge 1RB Left	20.61	20.91	/	20.81	21.21	/	<=30	Pass
		Edge 1RB Right	20.79	20.97	/	20.99	21.27	/	<=30	Pass
		Outer Full	21.21	21.48	/	21.41	21.78	/	<=30	Pass
		Inner Full	22.19	22.41	/	22.39	22.71	/	<=30	Pass
		Inner 1RB Left	22.26	22.43	/	22.46	22.73	/	<=30	Pass
		Inner 1RB Right	22.22	22.47	/	22.42	22.77	/	<=30	Pass
	3949.98	Edge 1RB Left	20.52	20.82	/	20.72	21.12	/	<=30	Pass
		Edge 1RB Right	20.64	20.66	/	20.84	20.96	/	<=30	Pass
		Outer Full	21.04	21.38	/	21.24	21.68	/	<=30	Pass
		Inner Full	21.97	22.36	/	22.17	22.66	/	<=30	Pass
		Inner 1RB Left	21.98	22.27	/	22.18	22.57	/	<=30	Pass
		Inner 1RB Right	22.17	22.12	/	22.37	22.42	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge 1RB Left	20.52	21.21	/	20.72	21.51	/	<=30	Pass
		Edge 1RB Right	21.27	21.34	/	21.47	21.64	/	<=30	Pass
		Outer Full	20.87	21.43	/	21.07	21.73	/	<=30	Pass
		Inner Full	20.60	21.51	/	20.80	21.81	/	<=30	Pass
		Inner 1RB Left	20.61	21.39	/	20.81	21.69	/	<=30	Pass
		Inner 1RB Right	21.19	21.50	/	21.39	21.8	/	<=30	Pass
	3840	Edge 1RB Left	20.72	21.09	/	20.92	21.39	/	<=30	Pass
		Edge 1RB Right	21.09	21.07	/	21.29	21.37	/	<=30	Pass
		Outer Full	20.72	20.99	/	20.92	21.29	/	<=30	Pass
		Inner Full	20.80	20.99	/	21.00	21.29	/	<=30	Pass
		Inner 1RB Left	20.86	21.12	/	21.06	21.42	/	<=30	Pass
		Inner 1RB Right	20.98	21.12	/	21.18	21.42	/	<=30	Pass
	3949.98	Edge 1RB Left	20.70	21.06	/	20.90	21.36	/	<=30	Pass
		Edge 1RB Right	20.79	20.85	/	20.99	21.15	/	<=30	Pass
		Outer Full	20.59	20.99	/	20.79	21.29	/	<=30	Pass
		Inner Full	20.55	20.90	/	20.75	21.2	/	<=30	Pass
		Inner 1RB Left	20.82	21.11	/	21.02	21.41	/	<=30	Pass
		Inner 1RB Right	20.84	20.96	/	21.04	21.26	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge 1RB Left	17.70	18.27	/	17.90	18.57	/	<=30	Pass
		Edge 1RB Right	18.37	18.39	/	18.57	18.69	/	<=30	Pass
		Outer Full	17.87	18.28	/	18.07	18.58	/	<=30	Pass
		Inner Full	17.58	18.27	/	17.78	18.57	/	<=30	Pass
		Inner 1RB Left	17.75	18.18	/	17.95	18.48	/	<=30	Pass
		Inner 1RB Right	18.43	18.38	/	18.63	18.68	/	<=30	Pass
	3840	Edge 1RB Left	17.72	17.90	/	17.92	18.2	/	<=30	Pass
		Edge 1RB Right	17.89	18.00	/	18.09	18.3	/	<=30	Pass
		Outer Full	17.84	17.96	/	18.04	18.26	/	<=30	Pass
		Inner Full	17.75	17.92	/	17.95	18.22	/	<=30	Pass
		Inner 1RB Left	17.71	18.01	/	17.91	18.31	/	<=30	Pass
		Inner 1RB Right	17.95	18.00	/	18.15	18.3	/	<=30	Pass
	3949.98	Edge 1RB Left	17.60	17.99	/	17.80	18.29	/	<=30	Pass
		Edge 1RB Right	17.78	17.77	/	17.98	18.07	/	<=30	Pass
		Outer Full	17.55	17.92	/	17.75	18.22	/	<=30	Pass
		Inner Full	17.58	17.87	/	17.78	18.17	/	<=30	Pass
		Inner 1RB Left	17.66	18.09	/	17.86	18.39	/	<=30	Pass
		Inner 1RB Right	17.83	17.80	/	18.03	18.1	/	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77a SCS=30kHz MIMO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3730.02	Edge 1RB Left	19.11	19.16	22.15	19.31	19.46	22.40	<=30	Pass
		Edge 1RB Right	19.02	18.92	21.98	19.22	19.22	22.23	<=30	Pass
		Outer Full	19.31	19.47	22.40	19.51	19.77	22.65	<=30	Pass
		Inner Full	20.66	21.02	23.86	20.86	21.32	24.11	<=30	Pass
		Inner 1RB Left	21.06	21.22	24.16	21.26	21.52	24.40	<=30	Pass
		Inner 1RB Right	20.97	20.89	23.94	21.17	21.19	24.19	<=30	Pass
	3840	Edge 1RB Left	18.68	19.17	21.94	18.88	19.47	22.20	<=30	Pass
		Edge 1RB Right	18.81	19.27	22.06	19.01	19.57	22.31	<=30	Pass
		Outer Full	19.36	19.94	22.67	19.56	20.24	22.92	<=30	Pass
		Inner Full	20.96	21.44	24.22	21.16	21.74	24.47	<=30	Pass
		Inner 1RB Left	20.61	21.28	23.97	20.81	21.58	24.22	<=30	Pass
		Inner 1RB Right	20.86	21.41	24.15	21.06	21.71	24.41	<=30	Pass
	3949.98	Edge 1RB Left	18.68	19.06	21.88	18.88	19.36	22.14	<=30	Pass
		Edge 1RB Right	18.57	19.41	22.02	18.77	19.71	22.28	<=30	Pass
		Outer Full	19.03	19.77	22.43	19.23	20.07	22.68	<=30	Pass
		Inner Full	20.50	21.30	23.93	20.70	21.60	24.18	<=30	Pass
		Inner 1RB Left	20.80	21.01	23.92	21.00	21.31	24.17	<=30	Pass
		Inner 1RB Right	20.59	21.33	23.98	20.79	21.63	24.24	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge 1RB Left	19.08	19.40	22.25	19.28	19.70	22.51	<=30	Pass
		Edge 1RB Right	18.83	18.97	21.91	19.03	19.27	22.16	<=30	Pass
		Outer Full	19.28	19.50	22.40	19.48	19.80	22.65	<=30	Pass
		Inner Full	20.01	20.47	23.26	20.21	20.77	23.51	<=30	Pass
		Inner 1RB Left	20.63	20.96	23.81	20.83	21.26	24.06	<=30	Pass
		Inner 1RB Right	20.33	20.35	23.35	20.53	20.65	23.60	<=30	Pass
	3840	Edge 1RB Left	18.57	19.23	21.92	18.77	19.53	22.18	<=30	Pass
		Edge 1RB Right	18.77	19.60	22.21	18.97	19.90	22.47	<=30	Pass
		Outer Full	19.43	20.01	22.74	19.63	20.31	22.99	<=30	Pass
		Inner Full	20.45	21.01	23.75	20.65	21.31	24.00	<=30	Pass
		Inner 1RB Left	20.06	20.69	23.40	20.26	20.99	23.65	<=30	Pass
		Inner 1RB Right	20.30	20.95	23.64	20.50	21.25	23.90	<=30	Pass
	3949.98	Edge 1RB Left	18.61	19.12	21.88	18.81	19.42	22.14	<=30	Pass
		Edge 1RB Right	18.56	19.38	22.00	18.76	19.68	22.25	<=30	Pass
		Outer Full	18.99	19.73	22.38	19.19	20.03	22.64	<=30	Pass
		Inner Full	19.98	20.79	23.41	20.18	21.09	23.67	<=30	Pass
		Inner 1RB Left	20.24	20.81	23.55	20.44	21.11	23.80	<=30	Pass
		Inner 1RB Right	20.06	21.08	23.61	20.26	21.38	23.87	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge 1RB Left	19.11	19.20	22.17	19.31	19.50	22.42	<=30	Pass
		Edge 1RB Right	18.89	18.75	21.83	19.09	19.05	22.08	<=30	Pass
		Outer Full	18.73	18.97	21.86	18.93	19.27	22.11	<=30	Pass
		Inner Full	18.60	18.97	21.80	18.80	19.27	22.05	<=30	Pass
		Inner 1RB Left	19.04	19.14	22.10	19.24	19.44	22.35	<=30	Pass
		Inner 1RB Right	18.91	18.77	21.85	19.11	19.07	22.10	<=30	Pass
	3840	Edge 1RB Left	18.57	19.15	21.88	18.77	19.45	22.13	<=30	Pass
		Edge 1RB Right	18.80	19.33	22.09	19.00	19.63	22.34	<=30	Pass
		Outer Full	18.97	19.47	22.24	19.17	19.77	22.49	<=30	Pass
		Inner Full	19.02	19.51	22.29	19.22	19.81	22.54	<=30	Pass
		Inner 1RB Left	18.65	19.19	21.94	18.85	19.49	22.19	<=30	Pass
		Inner 1RB Right	18.73	19.41	22.10	18.93	19.71	22.35	<=30	Pass
	3949.98	Edge 1RB Left	18.73	18.94	21.85	18.93	19.24	22.10	<=30	Pass
		Edge 1RB Right	18.53	19.32	21.95	18.73	19.62	22.21	<=30	Pass
		Outer Full	18.54	19.28	21.93	18.74	19.58	22.19	<=30	Pass
		Inner Full	18.44	19.30	21.90	18.64	19.60	22.16	<=30	Pass
		Inner 1RB Left	18.72	18.95	21.85	18.92	19.25	22.10	<=30	Pass
		Inner 1RB Right	18.54	19.34	21.97	18.74	19.64	22.22	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge 1RB Left	16.03	16.45	19.25	16.23	16.75	19.51	<=30	Pass
		Edge 1RB Right	15.77	16.01	18.90	15.97	16.31	19.15	<=30	Pass

		Outer_Full	15.76	16.00	18.89	15.96	16.30	19.14	<=30	Pass
		Inner_Full	15.48	16.00	18.76	15.68	16.30	19.01	<=30	Pass
		Inner_1RB_Left	15.91	16.34	19.14	16.11	16.64	19.39	<=30	Pass
		Inner_1RB_Right	15.95	16.06	19.02	16.15	16.36	19.27	<=30	Pass
	3840	Edge_1RB_Left	15.37	16.33	18.89	15.57	16.63	19.14	<=30	Pass
		Edge_1RB_Right	15.70	16.55	19.15	15.90	16.85	19.41	<=30	Pass
		Outer_Full	15.87	16.47	19.19	16.07	16.77	19.44	<=30	Pass
		Inner_Full	15.98	16.54	19.28	16.18	16.84	19.53	<=30	Pass
	3949.98	Inner_1RB_Left	15.46	16.37	18.95	15.66	16.67	19.20	<=30	Pass
		Inner_1RB_Right	15.66	16.62	19.18	15.86	16.92	19.43	<=30	Pass
		Edge_1RB_Left	15.84	16.06	18.96	16.04	16.36	19.21	<=30	Pass
		Edge_1RB_Right	15.66	16.30	19.00	15.86	16.60	19.26	<=30	Pass
		Outer_Full	15.52	16.40	19.00	15.72	16.70	19.25	<=30	Pass
		Inner_Full	15.50	16.34	18.95	15.70	16.64	19.21	<=30	Pass
		Inner_1RB_Left	15.91	16.05	18.99	16.11	16.35	19.24	<=30	Pass
		Inner_1RB_Right	15.80	16.37	19.10	16.00	16.67	19.36	<=30	Pass

Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

1.5 30k_80MHz_NTNV_EIRP

1.5.1 Test Result

5G NR n77a SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge_1RB_Left	20.49	21.20	/	20.69	21.5	/	<=30	Pass
		Edge_1RB_Right	20.70	21.16	/	20.90	21.46	/	<=30	Pass
		Outer_Full	23.88	24.31	/	24.08	24.61	/	<=30	Pass
		Inner_Full	24.25	24.96	/	24.45	25.26	/	<=30	Pass
		Inner_1RB_Left	24.09	24.66	/	24.29	24.96	/	<=30	Pass
		Inner_1RB_Right	24.20	24.74	/	24.40	25.04	/	<=30	Pass
	3840	Edge_1RB_Left	20.66	21.05	/	20.86	21.35	/	<=30	Pass
		Edge_1RB_Right	20.61	20.82	/	20.81	21.12	/	<=30	Pass
		Outer_Full	24.04	23.97	/	24.24	24.27	/	<=30	Pass
		Inner_Full	24.27	24.42	/	24.47	24.72	/	<=30	Pass
		Inner_1RB_Left	24.34	24.54	/	24.54	24.84	/	<=30	Pass
		Inner_1RB_Right	24.14	24.33	/	24.34	24.63	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.45	21.05	/	20.65	21.35	/	<=30	Pass
		Edge_1RB_Right	20.71	20.73	/	20.91	21.03	/	<=30	Pass
		Outer_Full	23.56	23.82	/	23.76	24.12	/	<=30	Pass
		Inner_Full	24.04	24.36	/	24.24	24.66	/	<=30	Pass
		Inner_1RB_Left	23.97	24.36	/	24.17	24.66	/	<=30	Pass
		Inner_1RB_Right	24.00	24.20	/	24.20	24.5	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	20.54	20.99	/	20.74	21.29	/	<=30	Pass
		Edge_1RB_Right	20.62	21.15	/	20.82	21.45	/	<=30	Pass
		Outer_Full	23.41	23.93	/	23.61	24.23	/	<=30	Pass
		Inner_Full	24.32	24.91	/	24.52	25.21	/	<=30	Pass
		Inner_1RB_Left	24.01	24.69	/	24.21	24.99	/	<=30	Pass
		Inner_1RB_Right	24.12	24.72	/	24.32	25.02	/	<=30	Pass
	3840	Edge_1RB_Left	20.75	21.02	/	20.95	21.32	/	<=30	Pass
		Edge_1RB_Right	20.78	20.87	/	20.98	21.17	/	<=30	Pass
		Outer_Full	23.47	23.44	/	23.67	23.74	/	<=30	Pass
		Inner_Full	24.42	24.46	/	24.62	24.76	/	<=30	Pass

		Inner_1RB_Left	24.41	24.52	/	24.61	24.82	/	<=30	Pass
		Inner_1RB_Right	24.27	24.34	/	24.47	24.64	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.32	20.87	/	20.52	21.17	/	<=30	Pass
		Edge_1RB_Right	20.69	20.71	/	20.89	21.01	/	<=30	Pass
		Outer_Full	22.96	23.29	/	23.16	23.59	/	<=30	Pass
		Inner_Full	23.95	24.30	/	24.15	24.6	/	<=30	Pass
		Inner_1RB_Left	23.91	24.33	/	24.11	24.63	/	<=30	Pass
		Inner_1RB_Right	24.08	24.18	/	24.28	24.48	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	20.45	21.01	/	20.65	21.31	/	<=30	Pass
		Edge_1RB_Right	20.51	21.08	/	20.71	21.38	/	<=30	Pass
		Outer_Full	22.39	22.80	/	22.59	23.1	/	<=30	Pass
		Inner_Full	23.34	23.92	/	23.54	24.22	/	<=30	Pass
		Inner_1RB_Left	22.93	23.37	/	23.13	23.67	/	<=30	Pass
		Inner_1RB_Right	23.01	23.61	/	23.21	23.91	/	<=30	Pass
	3840	Edge_1RB_Left	20.88	20.93	/	21.08	21.23	/	<=30	Pass
		Edge_1RB_Right	20.71	20.74	/	20.91	21.04	/	<=30	Pass
		Outer_Full	22.53	22.34	/	22.73	22.64	/	<=30	Pass
		Inner_Full	23.41	23.44	/	23.61	23.74	/	<=30	Pass
		Inner_1RB_Left	23.26	23.57	/	23.46	23.87	/	<=30	Pass
		Inner_1RB_Right	23.04	23.25	/	23.24	23.55	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.33	20.90	/	20.53	21.2	/	<=30	Pass
		Edge_1RB_Right	20.49	20.70	/	20.69	21	/	<=30	Pass
		Outer_Full	22.37	22.33	/	22.57	22.63	/	<=30	Pass
		Inner_Full	23.09	23.29	/	23.29	23.59	/	<=30	Pass
		Inner_1RB_Left	22.75	23.22	/	22.95	23.52	/	<=30	Pass
		Inner_1RB_Right	22.94	23.08	/	23.14	23.38	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Left	20.50	21.09	/	20.70	21.39	/	<=30	Pass
		Edge_1RB_Right	20.74	21.22	/	20.94	21.52	/	<=30	Pass
		Outer_Full	22.02	22.36	/	22.22	22.66	/	<=30	Pass
		Inner_Full	21.94	22.46	/	22.14	22.76	/	<=30	Pass
		Inner_1RB_Left	21.62	22.10	/	21.82	22.4	/	<=30	Pass
		Inner_1RB_Right	21.77	22.22	/	21.97	22.52	/	<=30	Pass
	3840	Edge_1RB_Left	21.03	21.12	/	21.23	21.42	/	<=30	Pass
		Edge_1RB_Right	20.83	20.91	/	21.03	21.21	/	<=30	Pass
		Outer_Full	22.03	21.95	/	22.23	22.25	/	<=30	Pass
		Inner_Full	21.90	21.92	/	22.10	22.22	/	<=30	Pass
		Inner_1RB_Left	21.94	22.10	/	22.14	22.4	/	<=30	Pass
		Inner_1RB_Right	21.77	21.91	/	21.97	22.21	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.98	20.92	/	21.18	21.22	/	<=30	Pass
		Edge_1RB_Right	21.07	20.70	/	21.27	21	/	<=30	Pass
		Outer_Full	21.82	21.88	/	22.02	22.18	/	<=30	Pass
		Inner_Full	21.90	21.78	/	22.10	22.08	/	<=30	Pass
		Inner_1RB_Left	21.97	21.98	/	22.17	22.28	/	<=30	Pass
		Inner_1RB_Right	22.04	21.83	/	22.24	22.13	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	19.54	20.09	/	19.74	20.39	/	<=30	Pass
		Edge_1RB_Right	19.58	20.13	/	19.78	20.43	/	<=30	Pass
		Outer_Full	19.99	20.21	/	20.19	20.51	/	<=30	Pass
		Inner_Full	19.81	20.40	/	20.01	20.7	/	<=30	Pass
		Inner_1RB_Left	19.61	20.11	/	19.81	20.41	/	<=30	Pass
		Inner_1RB_Right	19.64	20.12	/	19.84	20.42	/	<=30	Pass
	3840	Edge_1RB_Left	19.93	20.16	/	20.13	20.46	/	<=30	Pass
		Edge_1RB_Right	19.70	19.95	/	19.90	20.25	/	<=30	Pass
		Outer_Full	19.96	19.89	/	20.16	20.19	/	<=30	Pass
		Inner_Full	19.88	19.95	/	20.08	20.25	/	<=30	Pass
		Inner_1RB_Left	19.95	20.07	/	20.15	20.37	/	<=30	Pass
		Inner_1RB_Right	19.70	19.79	/	19.90	20.09	/	<=30	Pass
	3939.99	Edge_1RB_Left	19.69	19.95	/	19.89	20.25	/	<=30	Pass
		Edge_1RB_Right	19.79	19.74	/	19.99	20.04	/	<=30	Pass
		Outer_Full	19.71	19.74	/	19.91	20.04	/	<=30	Pass

		Inner_Full	19.78	19.83	/	19.98	20.13	/	<=30	Pass
		Inner_1RB_Left	19.88	19.85	/	20.08	20.15	/	<=30	Pass
		Inner_1RB_Right	19.86	19.73	/	20.06	20.03	/	<=30	Pass
CP-OFDM QPSK	3740.01	Edge_1RB_Left	20.69	21.19	/	20.89	21.49	/	<=30	Pass
		Edge_1RB_Right	20.81	21.23	/	21.01	21.53	/	<=30	Pass
		Outer_Full	21.57	21.82	/	21.77	22.12	/	<=30	Pass
		Inner_Full	22.94	23.31	/	23.14	23.61	/	<=30	Pass
		Inner_1RB_Left	22.81	23.10	/	23.01	23.4	/	<=30	Pass
		Inner_1RB_Right	22.91	23.33	/	23.11	23.63	/	<=30	Pass
		Edge_1RB_Left	21.11	21.08	/	21.31	21.38	/	<=30	Pass
	3840	Edge_1RB_Right	20.80	20.94	/	21.00	21.24	/	<=30	Pass
		Outer_Full	21.16	21.35	/	21.36	21.65	/	<=30	Pass
		Inner_Full	22.89	22.93	/	23.09	23.23	/	<=30	Pass
		Inner_1RB_Left	23.07	23.20	/	23.27	23.5	/	<=30	Pass
		Inner_1RB_Right	22.80	23.00	/	23.00	23.3	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.75	21.01	/	20.95	21.31	/	<=30	Pass
		Edge_1RB_Right	20.81	20.79	/	21.01	21.09	/	<=30	Pass
		Outer_Full	21.24	21.34	/	21.44	21.64	/	<=30	Pass
		Inner_Full	22.81	22.79	/	23.01	23.09	/	<=30	Pass
		Inner_1RB_Left	22.93	22.97	/	23.13	23.27	/	<=30	Pass
		Inner_1RB_Right	22.78	22.64	/	22.98	22.94	/	<=30	Pass
		Edge_1RB_Left	20.49	20.98	/	20.69	21.28	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge_1RB_Right	20.54	21.07	/	20.74	21.37	/	<=30	Pass
		Outer_Full	21.54	21.83	/	21.74	22.13	/	<=30	Pass
		Inner_Full	22.46	22.85	/	22.66	23.15	/	<=30	Pass
		Inner_1RB_Left	22.13	22.45	/	22.33	22.75	/	<=30	Pass
		Inner_1RB_Right	22.18	22.61	/	22.38	22.91	/	<=30	Pass
		Edge_1RB_Left	20.52	20.82	/	20.72	21.12	/	<=30	Pass
	3840	Edge_1RB_Right	20.42	20.76	/	20.62	21.06	/	<=30	Pass
		Outer_Full	21.10	21.29	/	21.30	21.59	/	<=30	Pass
		Inner_Full	22.00	22.42	/	22.20	22.72	/	<=30	Pass
		Inner_1RB_Left	21.96	22.43	/	22.16	22.73	/	<=30	Pass
		Inner_1RB_Right	21.83	22.27	/	22.03	22.57	/	<=30	Pass
		Edge_1RB_Left	20.47	20.81	/	20.67	21.11	/	<=30	Pass
	3939.99	Edge_1RB_Right	20.68	20.72	/	20.88	21.02	/	<=30	Pass
		Outer_Full	21.16	21.35	/	21.36	21.65	/	<=30	Pass
		Inner_Full	22.09	22.29	/	22.29	22.59	/	<=30	Pass
		Inner_1RB_Left	22.05	22.50	/	22.25	22.8	/	<=30	Pass
		Inner_1RB_Right	22.05	22.22	/	22.25	22.52	/	<=30	Pass
		Edge_1RB_Left	20.63	21.18	/	20.83	21.48	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge_1RB_Right	20.64	21.40	/	20.84	21.7	/	<=30	Pass
		Outer_Full	21.02	21.33	/	21.22	21.63	/	<=30	Pass
		Inner_Full	20.93	21.32	/	21.13	21.62	/	<=30	Pass
		Inner_1RB_Left	20.59	21.24	/	20.79	21.54	/	<=30	Pass
		Inner_1RB_Right	20.74	21.37	/	20.94	21.67	/	<=30	Pass
		Edge_1RB_Left	20.68	21.16	/	20.88	21.46	/	<=30	Pass
	3840	Edge_1RB_Right	20.40	20.88	/	20.60	21.18	/	<=30	Pass
		Outer_Full	20.58	20.87	/	20.78	21.17	/	<=30	Pass
		Inner_Full	20.44	20.84	/	20.64	21.14	/	<=30	Pass
		Inner_1RB_Left	20.59	21.12	/	20.79	21.42	/	<=30	Pass
		Inner_1RB_Right	20.50	20.93	/	20.70	21.23	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.75	20.88	/	20.95	21.18	/	<=30	Pass
		Edge_1RB_Right	20.81	20.88	/	21.01	21.18	/	<=30	Pass
		Outer_Full	20.66	20.90	/	20.86	21.2	/	<=30	Pass
		Inner_Full	20.49	20.83	/	20.69	21.13	/	<=30	Pass
		Inner_1RB_Left	20.72	20.96	/	20.92	21.26	/	<=30	Pass
		Inner_1RB_Right	20.79	20.94	/	20.99	21.24	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge_1RB_Left	17.60	18.01	/	17.80	18.31	/	<=30	Pass
		Edge_1RB_Right	17.75	18.01	/	17.95	18.31	/	<=30	Pass

		Outer Full	17.92	18.26	/	18.12	18.56	/	<=30	Pass
		Inner Full	17.93	18.38	/	18.13	18.68	/	<=30	Pass
		Inner 1RB Left	17.74	18.24	/	17.94	18.54	/	<=30	Pass
		Inner 1RB Right	17.80	18.09	/	18.00	18.39	/	<=30	Pass
	3840	Edge 1RB Left	17.64	18.06	/	17.84	18.36	/	<=30	Pass
		Edge 1RB Right	17.56	17.89	/	17.76	18.19	/	<=30	Pass
		Outer Full	17.67	17.88	/	17.87	18.18	/	<=30	Pass
		Inner Full	17.44	17.91	/	17.64	18.21	/	<=30	Pass
	3939.99	Inner 1RB Left	17.68	18.10	/	17.88	18.4	/	<=30	Pass
		Inner 1RB Right	17.48	17.73	/	17.68	18.03	/	<=30	Pass
		Edge 1RB Left	17.54	17.93	/	17.74	18.23	/	<=30	Pass
		Edge 1RB Right	17.79	17.79	/	17.99	18.09	/	<=30	Pass
		Outer Full	17.66	17.86	/	17.86	18.16	/	<=30	Pass
		Inner Full	17.77	17.85	/	17.97	18.15	/	<=30	Pass
		Inner 1RB Left	17.63	17.99	/	17.83	18.29	/	<=30	Pass
		Inner 1RB Right	17.83	17.79	/	18.03	18.09	/	<=30	Pass

Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi;
Note2: EIRP=Conducted Power+Antenna Gain

5G NR n77a SCS=30kHz MIMO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3740.01	Edge 1RB Left	18.96	19.26	22.12	19.16	19.56	22.37	<=30	Pass
		Edge 1RB Right	18.14	18.93	21.56	18.34	19.23	21.82	<=30	Pass
		Outer Full	19.10	19.43	22.28	19.30	19.73	22.53	<=30	Pass
		Inner Full	20.60	20.84	23.73	20.80	21.14	23.98	<=30	Pass
		Inner 1RB Left	21.08	21.09	24.09	21.28	21.39	24.35	<=30	Pass
		Inner 1RB Right	20.16	20.65	23.42	20.36	20.95	23.68	<=30	Pass
	3840	Edge 1RB Left	18.59	19.10	21.86	18.79	19.40	22.12	<=30	Pass
		Edge 1RB Right	18.30	19.17	21.77	18.50	19.47	22.02	<=30	Pass
		Outer Full	19.23	19.72	22.49	19.43	20.02	22.75	<=30	Pass
		Inner Full	20.81	21.25	24.04	21.01	21.55	24.30	<=30	Pass
		Inner 1RB Left	20.64	21.08	23.87	20.84	21.38	24.13	<=30	Pass
		Inner 1RB Right	20.33	21.12	23.75	20.53	21.42	24.01	<=30	Pass
	3939.99	Edge 1RB Left	18.84	19.27	22.07	19.04	19.57	22.32	<=30	Pass
		Edge 1RB Right	18.58	19.46	22.05	18.78	19.76	22.31	<=30	Pass
		Outer Full	18.96	19.68	22.35	19.16	19.98	22.60	<=30	Pass
		Inner Full	20.42	21.22	23.85	20.62	21.52	24.10	<=30	Pass
		Inner 1RB Left	20.86	21.24	24.06	21.06	21.54	24.32	<=30	Pass
		Inner 1RB Right	20.49	21.31	23.93	20.69	21.61	24.18	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge 1RB Left	19.00	19.06	22.04	19.20	19.36	22.29	<=30	Pass
		Edge 1RB Right	18.26	18.84	21.57	18.46	19.14	21.82	<=30	Pass
		Outer Full	19.06	19.41	22.25	19.26	19.71	22.50	<=30	Pass
		Inner Full	20.14	20.45	23.30	20.34	20.75	23.56	<=30	Pass
		Inner 1RB Left	20.38	20.57	23.49	20.58	20.87	23.74	<=30	Pass
		Inner 1RB Right	19.74	20.25	23.01	19.94	20.55	23.27	<=30	Pass
	3840	Edge 1RB Left	18.72	18.92	21.83	18.92	19.22	22.08	<=30	Pass
		Edge 1RB Right	18.50	18.99	21.76	18.70	19.29	22.02	<=30	Pass
		Outer Full	19.23	19.68	22.47	19.43	19.98	22.72	<=30	Pass
		Inner Full	20.32	20.84	23.60	20.52	21.14	23.85	<=30	Pass
		Inner 1RB Left	19.99	20.63	23.33	20.19	20.93	23.59	<=30	Pass
		Inner 1RB Right	20.00	20.76	23.40	20.20	21.06	23.66	<=30	Pass
	3939.99	Edge 1RB Left	18.75	19.17	21.98	18.95	19.47	22.23	<=30	Pass
		Edge 1RB Right	18.42	19.25	21.86	18.62	19.55	22.12	<=30	Pass
		Outer Full	19.03	19.70	22.39	19.23	20.00	22.64	<=30	Pass
		Inner Full	20.01	20.72	23.39	20.21	21.02	23.64	<=30	Pass
		Inner 1RB Left	20.40	20.80	23.62	20.60	21.10	23.87	<=30	Pass
		Inner 1RB Right	19.98	20.71	23.37	20.18	21.01	23.63	<=30	Pass

CP-OFDM 64 QAM	3740.01	Edge_1RB_Left	18.78	19.15	21.98	18.98	19.45	22.23	<=30	Pass
		Edge_1RB_Right	18.03	18.77	21.43	18.23	19.07	21.68	<=30	Pass
		Outer_Full	18.57	18.90	21.75	18.77	19.20	22.00	<=30	Pass
		Inner_Full	18.64	18.94	21.80	18.84	19.24	22.05	<=30	Pass
		Inner_1RB_Left	18.81	19.21	22.02	19.01	19.51	22.28	<=30	Pass
		Inner_1RB_Right	17.99	18.77	21.41	18.19	19.07	21.66	<=30	Pass
	3840	Edge_1RB_Left	18.45	19.03	21.76	18.65	19.33	22.01	<=30	Pass
		Edge_1RB_Right	18.30	19.16	21.76	18.50	19.46	22.02	<=30	Pass
		Outer_Full	18.60	19.31	21.98	18.80	19.61	22.23	<=30	Pass
		Inner_Full	18.79	19.31	22.07	18.99	19.61	22.32	<=30	Pass
		Inner_1RB_Left	18.57	19.10	21.85	18.77	19.40	22.11	<=30	Pass
		Inner_1RB_Right	18.32	19.14	21.76	18.52	19.44	22.01	<=30	Pass
	3939.99	Edge_1RB_Left	18.49	19.05	21.79	18.69	19.35	22.04	<=30	Pass
		Edge_1RB_Right	18.37	19.33	21.89	18.57	19.63	22.14	<=30	Pass
		Outer_Full	18.52	19.23	21.90	18.72	19.53	22.15	<=30	Pass
		Inner_Full	18.47	19.23	21.88	18.67	19.53	22.13	<=30	Pass
		Inner_1RB_Left	18.64	19.11	21.89	18.84	19.41	22.14	<=30	Pass
		Inner_1RB_Right	18.41	19.29	21.88	18.61	19.59	22.14	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge_1RB_Left	15.79	16.24	19.03	15.99	16.54	19.28	<=30	Pass
		Edge_1RB_Right	15.07	16.04	18.59	15.27	16.34	18.85	<=30	Pass
		Outer_Full	15.61	15.92	18.78	15.81	16.22	19.03	<=30	Pass
		Inner_Full	15.70	15.92	18.82	15.90	16.22	19.07	<=30	Pass
		Inner_1RB_Left	15.81	16.51	19.18	16.01	16.81	19.44	<=30	Pass
		Inner_1RB_Right	15.04	16.02	18.57	15.24	16.32	18.82	<=30	Pass
	3840	Edge_1RB_Left	15.43	16.11	18.79	15.63	16.41	19.05	<=30	Pass
		Edge_1RB_Right	15.16	16.26	18.75	15.36	16.56	19.01	<=30	Pass
		Outer_Full	15.78	16.24	19.02	15.98	16.54	19.28	<=30	Pass
		Inner_Full	15.90	16.37	19.15	16.10	16.67	19.40	<=30	Pass
		Inner_1RB_Left	15.44	16.15	18.82	15.64	16.45	19.07	<=30	Pass
		Inner_1RB_Right	15.27	16.21	18.77	15.47	16.51	19.03	<=30	Pass
	3939.99	Edge_1RB_Left	15.63	16.36	19.02	15.83	16.66	19.28	<=30	Pass
		Edge_1RB_Right	15.37	16.48	18.97	15.57	16.78	19.23	<=30	Pass
		Outer_Full	15.55	16.16	18.87	15.75	16.46	19.13	<=30	Pass
		Inner_Full	15.46	16.20	18.86	15.66	16.50	19.11	<=30	Pass
		Inner_1RB_Left	15.66	16.24	18.97	15.86	16.54	19.22	<=30	Pass
		Inner_1RB_Right	15.37	16.43	18.94	15.57	16.73	19.20	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.6 30k_100MHz_NTNV_EIRP

1.6.1 Test Result

5G NR n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge 1RB Left	20.63	21.09	/	20.83	21.39	/	<=30	Pass
		Edge 1RB Right	20.81	21.06	/	21.01	21.36	/	<=30	Pass
		Outer Full	23.84	24.33	/	24.04	24.63	/	<=30	Pass
		Inner Full	24.57	24.97	/	24.77	25.27	/	<=30	Pass
		Inner 1RB Left	24.12	24.65	/	24.32	24.95	/	<=30	Pass
		Inner 1RB Right	24.12	24.63	/	24.32	24.93	/	<=30	Pass
	3840	Edge 1RB Left	20.45	21.06	/	20.65	21.36	/	<=30	Pass
		Edge 1RB Right	20.56	20.92	/	20.76	21.22	/	<=30	Pass

		Outer_Full	23.74	23.96	/	23.94	24.26	/	<=30	Pass
		Inner_Full	24.11	24.47	/	24.31	24.77	/	<=30	Pass
		Inner_1RB_Left	24.00	24.48	/	24.20	24.78	/	<=30	Pass
		Inner_1RB_Right	23.97	24.42	/	24.17	24.72	/	<=30	Pass
	3930	Edge_1RB_Left	20.48	20.81	/	20.68	21.11	/	<=30	Pass
		Edge_1RB_Right	20.84	20.70	/	21.04	21	/	<=30	Pass
		Outer_Full	23.51	23.87	/	23.71	24.17	/	<=30	Pass
		Inner_Full	24.11	24.43	/	24.31	24.73	/	<=30	Pass
		Inner_1RB_Left	24.02	24.41	/	24.22	24.71	/	<=30	Pass
		Inner_1RB_Right	24.15	24.25	/	24.35	24.55	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	20.42	21.19	/	20.62	21.49	/	<=30	Pass
		Edge_1RB_Right	20.70	21.02	/	20.90	21.32	/	<=30	Pass
		Outer_Full	23.42	23.82	/	23.62	24.12	/	<=30	Pass
		Inner_Full	24.59	24.89	/	24.79	25.19	/	<=30	Pass
		Inner_1RB_Left	24.01	24.58	/	24.21	24.88	/	<=30	Pass
		Inner_1RB_Right	24.15	24.68	/	24.35	24.98	/	<=30	Pass
	3840	Edge_1RB_Left	20.47	20.96	/	20.67	21.26	/	<=30	Pass
		Edge_1RB_Right	20.50	20.86	/	20.70	21.16	/	<=30	Pass
		Outer_Full	23.22	23.50	/	23.42	23.8	/	<=30	Pass
		Inner_Full	24.22	24.41	/	24.42	24.71	/	<=30	Pass
		Inner_1RB_Left	23.99	24.49	/	24.19	24.79	/	<=30	Pass
		Inner_1RB_Right	23.98	24.44	/	24.18	24.74	/	<=30	Pass
	3930	Edge_1RB_Left	20.55	20.83	/	20.75	21.13	/	<=30	Pass
		Edge_1RB_Right	20.64	20.84	/	20.84	21.14	/	<=30	Pass
		Outer_Full	22.99	23.36	/	23.19	23.66	/	<=30	Pass
		Inner_Full	24.13	24.37	/	24.33	24.67	/	<=30	Pass
		Inner_1RB_Left	23.93	24.36	/	24.13	24.66	/	<=30	Pass
		Inner_1RB_Right	24.12	24.27	/	24.32	24.57	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	20.39	21.08	/	20.59	21.38	/	<=30	Pass
		Edge_1RB_Right	20.59	21.03	/	20.79	21.33	/	<=30	Pass
		Outer_Full	22.41	22.83	/	22.61	23.13	/	<=30	Pass
		Inner_Full	23.57	23.89	/	23.77	24.19	/	<=30	Pass
		Inner_1RB_Left	23.06	23.57	/	23.26	23.87	/	<=30	Pass
		Inner_1RB_Right	23.08	23.53	/	23.28	23.83	/	<=30	Pass
	3840	Edge_1RB_Left	20.32	20.88	/	20.52	21.18	/	<=30	Pass
		Edge_1RB_Right	20.36	20.76	/	20.56	21.06	/	<=30	Pass
		Outer_Full	22.17	22.42	/	22.37	22.72	/	<=30	Pass
		Inner_Full	23.22	23.39	/	23.42	23.69	/	<=30	Pass
		Inner_1RB_Left	22.79	23.37	/	22.99	23.67	/	<=30	Pass
		Inner_1RB_Right	22.83	23.26	/	23.03	23.56	/	<=30	Pass
	3930	Edge_1RB_Left	20.36	20.79	/	20.56	21.09	/	<=30	Pass
		Edge_1RB_Right	20.75	20.67	/	20.95	20.97	/	<=30	Pass
		Outer_Full	22.06	22.34	/	22.26	22.64	/	<=30	Pass
		Inner_Full	23.10	23.35	/	23.30	23.65	/	<=30	Pass
		Inner_1RB_Left	22.91	23.27	/	23.11	23.57	/	<=30	Pass
		Inner_1RB_Right	23.00	23.21	/	23.20	23.51	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	20.64	21.19	/	20.84	21.49	/	<=30	Pass
		Edge_1RB_Right	20.81	21.21	/	21.01	21.51	/	<=30	Pass
		Outer_Full	22.12	22.27	/	22.32	22.57	/	<=30	Pass
		Inner_Full	22.27	22.46	/	22.47	22.76	/	<=30	Pass
		Inner_1RB_Left	21.66	22.25	/	21.86	22.55	/	<=30	Pass
		Inner_1RB_Right	21.87	22.45	/	22.07	22.75	/	<=30	Pass
	3840	Edge_1RB_Left	20.50	21.00	/	20.70	21.3	/	<=30	Pass
		Edge_1RB_Right	20.52	20.84	/	20.72	21.14	/	<=30	Pass
		Outer_Full	21.66	21.90	/	21.86	22.2	/	<=30	Pass
		Inner_Full	21.67	21.86	/	21.87	22.16	/	<=30	Pass
		Inner_1RB_Left	21.48	22.00	/	21.68	22.3	/	<=30	Pass
		Inner_1RB_Right	21.41	21.96	/	21.61	22.26	/	<=30	Pass
	3930	Edge_1RB_Left	20.47	20.92	/	20.67	21.22	/	<=30	Pass

		Edge 1RB Right	20.77	20.90	/	20.97	21.2	/	<=30	Pass
		Outer Full	21.42	21.88	/	21.62	22.18	/	<=30	Pass
		Inner Full	21.54	21.90	/	21.74	22.2	/	<=30	Pass
		Inner 1RB Left	21.52	21.89	/	21.72	22.19	/	<=30	Pass
		Inner 1RB Right	21.81	22.04	/	22.01	22.34	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge 1RB Left	19.80	20.30	/	20.00	20.6	/	<=30	Pass
		Edge 1RB Right	19.94	20.18	/	20.14	20.48	/	<=30	Pass
		Outer Full	20.16	20.26	/	20.36	20.56	/	<=30	Pass
		Inner Full	20.33	20.40	/	20.53	20.7	/	<=30	Pass
		Inner 1RB Left	19.91	20.17	/	20.11	20.47	/	<=30	Pass
	3840	Inner 1RB Right	19.99	20.02	/	20.19	20.32	/	<=30	Pass
		Edge 1RB Left	19.56	20.03	/	19.76	20.33	/	<=30	Pass
		Edge 1RB Right	19.47	20.02	/	19.67	20.32	/	<=30	Pass
		Outer Full	19.55	19.86	/	19.75	20.16	/	<=30	Pass
		Inner Full	19.73	19.97	/	19.93	20.27	/	<=30	Pass
	3930	Inner 1RB Left	19.52	19.91	/	19.72	20.21	/	<=30	Pass
		Inner 1RB Right	19.62	19.95	/	19.82	20.25	/	<=30	Pass
		Edge 1RB Left	19.51	19.89	/	19.71	20.19	/	<=30	Pass
		Edge 1RB Right	19.65	19.73	/	19.85	20.03	/	<=30	Pass
		Outer Full	19.55	19.78	/	19.75	20.08	/	<=30	Pass
CP-OFDM QPSK	3750	Inner Full	19.69	19.86	/	19.89	20.16	/	<=30	Pass
		Inner 1RB Left	19.57	19.84	/	19.77	20.14	/	<=30	Pass
		Inner 1RB Right	19.76	19.75	/	19.96	20.05	/	<=30	Pass
	3840	Edge 1RB Left	21.21	21.25	/	21.41	21.55	/	<=30	Pass
		Edge 1RB Right	21.15	21.45	/	21.35	21.75	/	<=30	Pass
		Outer Full	21.30	21.83	/	21.50	22.13	/	<=30	Pass
		Inner Full	22.94	23.42	/	23.14	23.72	/	<=30	Pass
		Inner 1RB Left	23.13	23.38	/	23.33	23.68	/	<=30	Pass
	3930	Inner 1RB Right	22.80	23.31	/	23.00	23.61	/	<=30	Pass
		Edge 1RB Left	20.62	21.20	/	20.82	21.5	/	<=30	Pass
		Edge 1RB Right	20.69	21.09	/	20.89	21.39	/	<=30	Pass
		Outer Full	21.26	21.44	/	21.46	21.74	/	<=30	Pass
		Inner Full	22.69	22.92	/	22.89	23.22	/	<=30	Pass
CP-OFDM 16 QAM	3750	Inner 1RB Left	22.55	23.22	/	22.75	23.52	/	<=30	Pass
		Inner 1RB Right	22.53	23.08	/	22.73	23.38	/	<=30	Pass
	3840	Edge 1RB Left	20.60	20.93	/	20.80	21.23	/	<=30	Pass
		Edge 1RB Right	20.82	20.88	/	21.02	21.18	/	<=30	Pass
		Outer Full	21.08	21.40	/	21.28	21.7	/	<=30	Pass
	3930	Inner Full	22.50	22.88	/	22.70	23.18	/	<=30	Pass
		Inner 1RB Left	22.59	23.00	/	22.79	23.3	/	<=30	Pass
		Inner 1RB Right	22.73	22.90	/	22.93	23.2	/	<=30	Pass
	3750	Edge 1RB Left	20.34	20.92	/	20.54	21.22	/	<=30	Pass
		Edge 1RB Right	20.54	21.05	/	20.74	21.35	/	<=30	Pass
		Outer Full	21.22	21.84	/	21.42	22.14	/	<=30	Pass
	3840	Inner Full	22.38	22.94	/	22.58	23.24	/	<=30	Pass
		Inner 1RB Left	21.93	22.62	/	22.13	22.92	/	<=30	Pass
		Inner 1RB Right	22.02	22.65	/	22.22	22.95	/	<=30	Pass
	3930	Edge 1RB Left	20.28	20.85	/	20.48	21.15	/	<=30	Pass
		Edge 1RB Right	20.39	20.73	/	20.59	21.03	/	<=30	Pass
		Outer Full	21.15	21.36	/	21.35	21.66	/	<=30	Pass
		Inner Full	22.07	22.49	/	22.27	22.79	/	<=30	Pass
		Inner 1RB Left	21.87	22.41	/	22.07	22.71	/	<=30	Pass
	3750	Inner 1RB Right	21.84	22.36	/	22.04	22.66	/	<=30	Pass
		Edge 1RB Left	20.44	20.71	/	20.64	21.01	/	<=30	Pass
		Edge 1RB Right	20.73	20.61	/	20.93	20.91	/	<=30	Pass
		Outer Full	21.05	21.40	/	21.25	21.7	/	<=30	Pass
		Inner Full	22.07	22.36	/	22.27	22.66	/	<=30	Pass
	3840	Inner 1RB Left	21.97	22.29	/	22.17	22.59	/	<=30	Pass
		Inner 1RB Right	22.13	22.21	/	22.33	22.51	/	<=30	Pass

CP-OFDM 64 QAM	3750	Edge_1RB_Left	20.46	21.14	/	20.66	21.44	/	<=30	Pass
		Edge_1RB_Right	20.65	21.22	/	20.85	21.52	/	<=30	Pass
		Outer_Full	20.80	21.26	/	21.00	21.56	/	<=30	Pass
		Inner_Full	20.90	21.38	/	21.10	21.68	/	<=30	Pass
		Inner_1RB_Left	20.60	21.23	/	20.80	21.53	/	<=30	Pass
		Inner_1RB_Right	20.64	21.22	/	20.84	21.52	/	<=30	Pass
	3840	Edge_1RB_Left	20.45	20.93	/	20.65	21.23	/	<=30	Pass
		Edge_1RB_Right	20.46	20.90	/	20.66	21.2	/	<=30	Pass
		Outer_Full	20.74	20.89	/	20.94	21.19	/	<=30	Pass
		Inner_Full	20.61	20.92	/	20.81	21.22	/	<=30	Pass
		Inner_1RB_Left	20.52	21.03	/	20.72	21.33	/	<=30	Pass
		Inner_1RB_Right	20.46	21.03	/	20.66	21.33	/	<=30	Pass
	3930	Edge_1RB_Left	20.57	20.90	/	20.77	21.2	/	<=30	Pass
		Edge_1RB_Right	20.82	20.82	/	21.02	21.12	/	<=30	Pass
		Outer_Full	20.55	20.88	/	20.75	21.18	/	<=30	Pass
		Inner_Full	20.64	20.95	/	20.84	21.25	/	<=30	Pass
		Inner_1RB_Left	20.48	20.82	/	20.68	21.12	/	<=30	Pass
		Inner_1RB_Right	20.93	20.85	/	21.13	21.15	/	<=30	Pass
CP-OFDM 256 QAM	3750	Edge_1RB_Left	17.58	18.07	/	17.78	18.37	/	<=30	Pass
		Edge_1RB_Right	17.65	18.10	/	17.85	18.4	/	<=30	Pass
		Outer_Full	17.86	18.33	/	18.06	18.63	/	<=30	Pass
		Inner_Full	17.94	18.36	/	18.14	18.66	/	<=30	Pass
		Inner_1RB_Left	17.58	18.23	/	17.78	18.53	/	<=30	Pass
		Inner_1RB_Right	17.75	18.21	/	17.95	18.51	/	<=30	Pass
	3840	Edge_1RB_Left	17.40	17.97	/	17.60	18.27	/	<=30	Pass
		Edge_1RB_Right	17.61	17.92	/	17.81	18.22	/	<=30	Pass
		Outer_Full	17.68	17.87	/	17.88	18.17	/	<=30	Pass
		Inner_Full	17.56	17.86	/	17.76	18.16	/	<=30	Pass
		Inner_1RB_Left	17.44	18.06	/	17.64	18.36	/	<=30	Pass
		Inner_1RB_Right	17.50	17.98	/	17.70	18.28	/	<=30	Pass
	3930	Edge_1RB_Left	17.47	17.80	/	17.67	18.1	/	<=30	Pass
		Edge_1RB_Right	17.78	17.75	/	17.98	18.05	/	<=30	Pass
		Outer_Full	17.55	17.85	/	17.75	18.15	/	<=30	Pass
		Inner_Full	17.60	17.90	/	17.80	18.2	/	<=30	Pass
		Inner_1RB_Left	17.61	17.83	/	17.81	18.13	/	<=30	Pass
		Inner_1RB_Right	17.80	17.75	/	18.00	18.05	/	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77a SCS=30kHz MIMO 100MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3750	Edge 1RB Left	19.03	19.12	22.09	19.23	19.42	22.34	<=30	Pass
		Edge 1RB Right	18.58	19.02	21.81	18.78	19.32	22.07	<=30	Pass
		Outer Full	18.95	19.45	22.22	19.15	19.75	22.47	<=30	Pass
		Inner Full	20.61	20.85	23.74	20.81	21.15	23.99	<=30	Pass
		Inner 1RB Left	20.84	21.18	24.02	21.04	21.48	24.28	<=30	Pass
		Inner 1RB Right	20.55	21.13	23.86	20.75	21.43	24.11	<=30	Pass
	3840	Edge 1RB Left	18.26	19.01	21.66	18.46	19.31	21.92	<=30	Pass
		Edge 1RB Right	18.46	19.14	21.82	18.66	19.44	22.08	<=30	Pass
		Outer Full	19.23	19.72	22.49	19.43	20.02	22.75	<=30	Pass
		Inner Full	20.74	21.33	24.05	20.94	21.63	24.31	<=30	Pass
		Inner 1RB Left	20.36	21.00	23.70	20.56	21.30	23.96	<=30	Pass
		Inner 1RB Right	20.37	21.15	23.79	20.57	21.45	24.04	<=30	Pass
	3930	Edge 1RB Left	18.26	19.13	21.72	18.46	19.43	21.98	<=30	Pass
		Edge 1RB Right	18.59	19.28	21.96	18.79	19.58	22.21	<=30	Pass
		Outer Full	18.95	19.58	22.29	19.15	19.88	22.54	<=30	Pass
		Inner Full	20.55	21.17	23.88	20.75	21.47	24.14	<=30	Pass

		Inner 1RB Left	20.21	21.10	23.69	20.41	21.40	23.94	<=30	Pass
		Inner 1RB Right	20.62	21.44	24.06	20.82	21.74	24.31	<=30	Pass
CP-OFDM 16 QAM	3750	Edge 1RB Left	18.79	19.25	22.04	18.99	19.55	22.29	<=30	Pass
		Edge 1RB Right	18.54	19.08	21.83	18.74	19.38	22.08	<=30	Pass
		Outer Full	19.02	19.56	22.31	19.22	19.86	22.56	<=30	Pass
		Inner Full	20.09	20.45	23.29	20.29	20.75	23.54	<=30	Pass
		Inner 1RB Left	20.34	20.78	23.58	20.54	21.08	23.83	<=30	Pass
		Inner 1RB Right	20.00	20.57	23.31	20.20	20.87	23.56	<=30	Pass
	3840	Edge 1RB Left	18.33	18.92	21.64	18.53	19.22	21.90	<=30	Pass
		Edge 1RB Right	18.27	19.08	21.71	18.47	19.38	21.96	<=30	Pass
		Outer Full	19.12	19.69	22.42	19.32	19.99	22.68	<=30	Pass
		Inner Full	20.25	20.82	23.55	20.45	21.12	23.81	<=30	Pass
		Inner 1RB Left	19.80	20.44	23.14	20.00	20.74	23.40	<=30	Pass
		Inner 1RB Right	19.82	20.58	23.23	20.02	20.88	23.48	<=30	Pass
	3930	Edge 1RB Left	18.41	19.13	21.79	18.61	19.43	22.05	<=30	Pass
		Edge 1RB Right	18.44	19.18	21.84	18.64	19.48	22.09	<=30	Pass
		Outer Full	19.03	19.58	22.32	19.23	19.88	22.58	<=30	Pass
		Inner Full	20.06	20.61	23.35	20.26	20.91	23.61	<=30	Pass
		Inner 1RB Left	19.90	20.50	23.22	20.10	20.80	23.47	<=30	Pass
		Inner 1RB Right	20.19	20.82	23.53	20.39	21.12	23.78	<=30	Pass
CP-OFDM 64 QAM	3750	Edge 1RB Left	18.86	18.95	21.91	19.06	19.25	22.17	<=30	Pass
		Edge 1RB Right	18.56	19.02	21.81	18.76	19.32	22.06	<=30	Pass
		Outer Full	18.58	18.98	21.80	18.78	19.28	22.05	<=30	Pass
		Inner Full	18.66	18.97	21.82	18.86	19.27	22.08	<=30	Pass
		Inner 1RB Left	18.83	19.17	22.01	19.03	19.47	22.27	<=30	Pass
		Inner 1RB Right	18.58	19.06	21.84	18.78	19.36	22.09	<=30	Pass
	3840	Edge 1RB Left	18.25	18.90	21.60	18.45	19.20	21.85	<=30	Pass
		Edge 1RB Right	18.30	19.03	21.69	18.50	19.33	21.95	<=30	Pass
		Outer Full	18.59	19.22	21.93	18.79	19.52	22.18	<=30	Pass
		Inner Full	18.73	19.29	22.03	18.93	19.59	22.28	<=30	Pass
		Inner 1RB Left	18.26	18.93	21.62	18.46	19.23	21.87	<=30	Pass
		Inner 1RB Right	18.29	19.03	21.69	18.49	19.33	21.94	<=30	Pass
	3930	Edge 1RB Left	18.25	19.12	21.72	18.45	19.42	21.97	<=30	Pass
		Edge 1RB Right	18.53	19.45	22.02	18.73	19.75	22.28	<=30	Pass
		Outer Full	18.51	19.13	21.84	18.71	19.43	22.10	<=30	Pass
		Inner Full	18.55	19.15	21.87	18.75	19.45	22.12	<=30	Pass
		Inner 1RB Left	18.14	19.19	21.71	18.34	19.49	21.96	<=30	Pass
		Inner 1RB Right	18.48	19.44	22.00	18.68	19.74	22.25	<=30	Pass
CP-OFDM 256 QAM	3750	Edge 1RB Left	15.69	16.24	18.99	15.89	16.54	19.24	<=30	Pass
		Edge 1RB Right	15.60	15.93	18.78	15.80	16.23	19.03	<=30	Pass
		Outer Full	15.57	16.01	18.81	15.77	16.31	19.06	<=30	Pass
		Inner Full	15.62	15.95	18.80	15.82	16.25	19.05	<=30	Pass
		Inner 1RB Left	16.00	16.04	19.03	16.20	16.34	19.28	<=30	Pass
		Inner 1RB Right	15.67	15.90	18.80	15.87	16.20	19.05	<=30	Pass
	3840	Edge 1RB Left	15.16	16.17	18.70	15.36	16.47	18.96	<=30	Pass
		Edge 1RB Right	15.21	16.23	18.76	15.41	16.53	19.02	<=30	Pass
		Outer Full	15.69	16.18	18.96	15.89	16.48	19.21	<=30	Pass
		Inner Full	15.75	16.31	19.05	15.95	16.61	19.30	<=30	Pass
		Inner 1RB Left	15.15	16.10	18.66	15.35	16.40	18.92	<=30	Pass
		Inner 1RB Right	15.19	16.28	18.78	15.39	16.58	19.04	<=30	Pass
	3930	Edge 1RB Left	15.11	16.11	18.65	15.31	16.41	18.91	<=30	Pass
		Edge 1RB Right	15.39	16.52	19.00	15.59	16.82	19.26	<=30	Pass
		Outer Full	15.54	16.13	18.86	15.74	16.43	19.11	<=30	Pass
		Inner Full	15.58	16.09	18.85	15.78	16.39	19.11	<=30	Pass
		Inner 1RB Left	15.12	16.17	18.69	15.32	16.47	18.94	<=30	Pass
		Inner 1RB Right	15.44	16.54	19.03	15.64	16.84	19.29	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

2. Frequency Stability

2.1 30k_SISO_100MHz

2.1.1 Test Result

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 PI/2 BPSK	3840	Outer_Full	20	LV	-15.40	-0.0040	>=-2.5 & <=2.5	Pass
				HV	11.40	0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-16.70	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	1.10	0.0003	>=-2.5 & <=2.5	Pass
			10	NV	-12.20	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-16.60	-0.0043	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	9.70	0.0025	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-13.80	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	7.20	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-16.60	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-1.30	-0.0003	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-13.70	-0.0036	>=-2.5 & <=2.5	Pass
				HV	3.60	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	1.20	0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	-13.10	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-14.20	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	5.30	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
				LV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass

			-30	NV	-6.10	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-4.90	-0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-5.60	-0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-11.40	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-9.40	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-2.60	-0.0007	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-8.10	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-8.20	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-4.60	-0.0012	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-10.40	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-11.70	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-4.80	-0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-8.40	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-6.10	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	5.00	0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-18.30	-0.0048	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-9.00	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-17.30	-0.0045	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-7.00	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-16.70	-0.0043	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	2.50	0.0007	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-6.90	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	5.80	0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-11.50	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-4.00	-0.0010	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-15.30	-0.0040	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-11.90	-0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-6.80	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-14.10	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-13.70	-0.0036	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-14.60	-0.0038	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-11.60	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-13.20	-0.0034	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-11.40	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	4.30	0.0011	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-11.80	-0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-15.10	-0.0039	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-10.10	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-10.20	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-17.20	-0.0045	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-10.60	-0.0028	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-3.90	-0.0010	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-15.30	-0.0040	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-10.60	-0.0028	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-9.20	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-14.10	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-19.70	-0.0051	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-5.40	-0.0014	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-7.80	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass

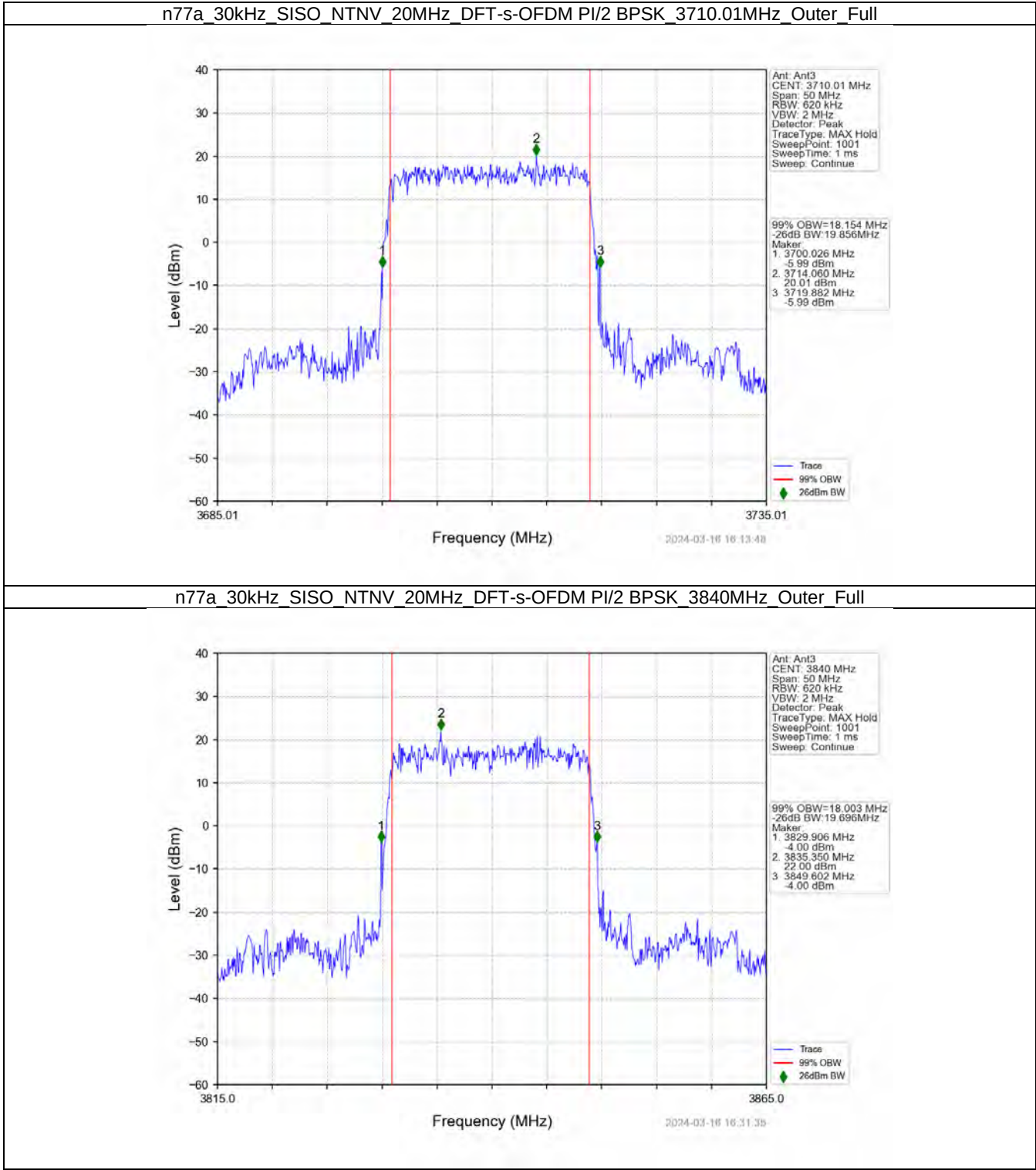
3. 99% & 26dB Bandwidth

3.1 30k_SISO_20MHz_NTNV

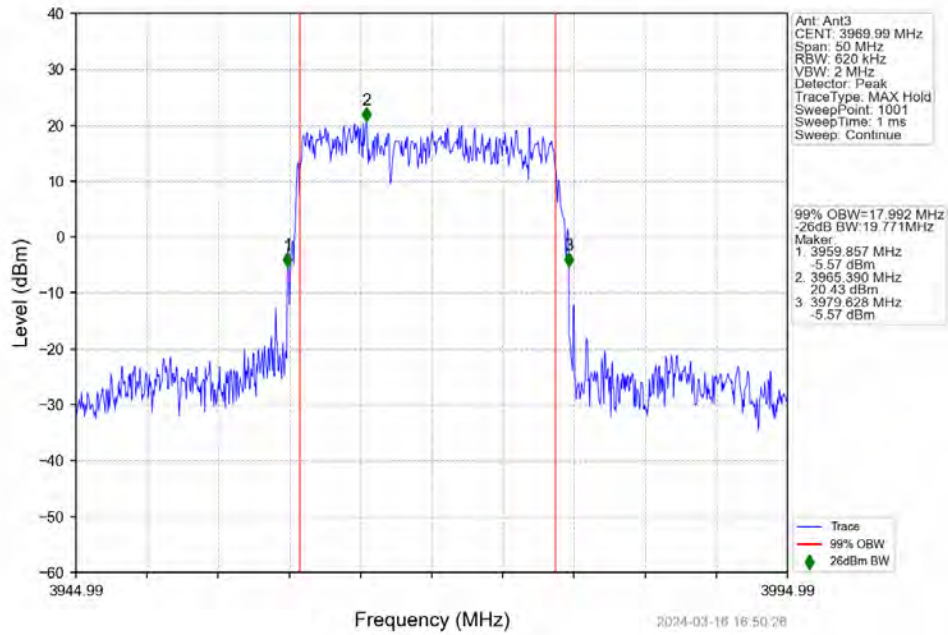
3.1.1 Test Result

5G NR n77a SCS=30kHz SISO 20MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3710.01	Outer_Full	18.15	19.86	/	Pass
	3840	Outer_Full	18.00	19.70	/	Pass
	3969.99	Outer_Full	17.99	19.77	/	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.20	19.65	/	Pass
	3840	Outer_Full	18.22	19.64	/	Pass
	3969.99	Outer_Full	18.16	19.52	/	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	18.07	19.38	/	Pass
	3840	Outer_Full	17.92	19.40	/	Pass
	3969.99	Outer_Full	18.10	19.19	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.14	19.30	/	Pass
	3840	Outer_Full	17.83	19.66	/	Pass
	3969.99	Outer_Full	18.00	19.30	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	18.11	19.36	/	Pass
	3840	Outer_Full	18.03	19.30	/	Pass
	3969.99	Outer_Full	17.98	19.72	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	18.27	20.13	/	Pass
	3840	Outer_Full	18.30	19.82	/	Pass
	3969.99	Outer_Full	18.41	19.86	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	18.48	19.77	/	Pass
	3840	Outer_Full	18.15	19.73	/	Pass
	3969.99	Outer_Full	18.25	19.59	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	18.37	19.93	/	Pass
	3840	Outer_Full	18.32	19.68	/	Pass
	3969.99	Outer_Full	18.50	20.67	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	18.38	19.73	/	Pass
	3840	Outer_Full	18.36	20.09	/	Pass
	3969.99	Outer_Full	18.43	19.69	/	Pass

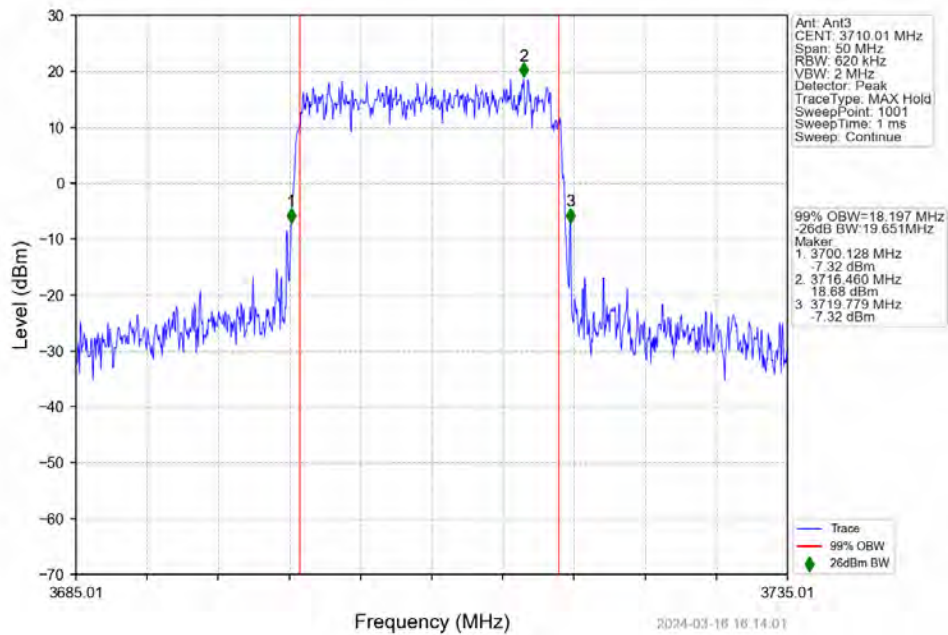
3.1.2 Test Graph



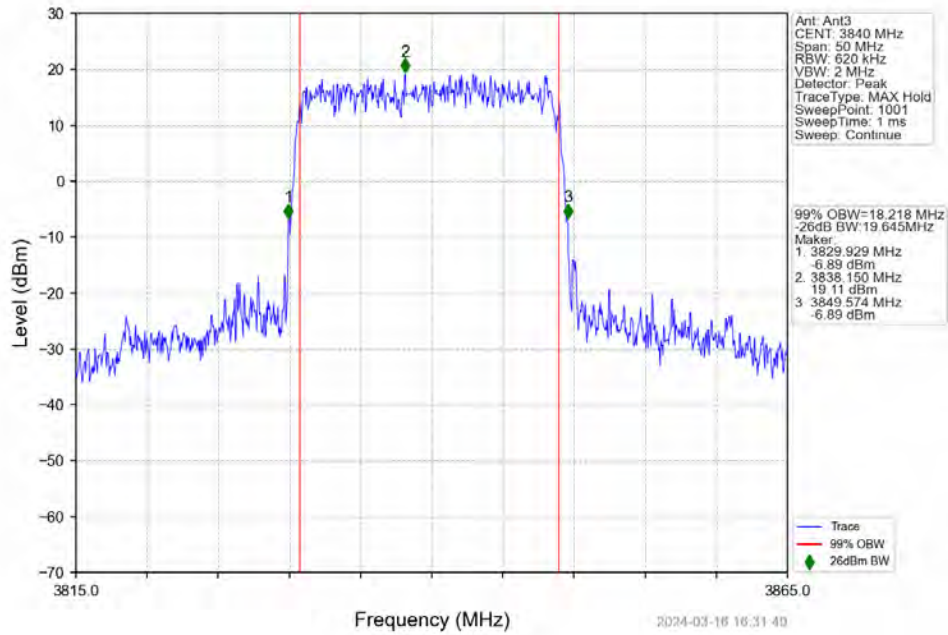
n77a 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3969.99MHz Outer Full



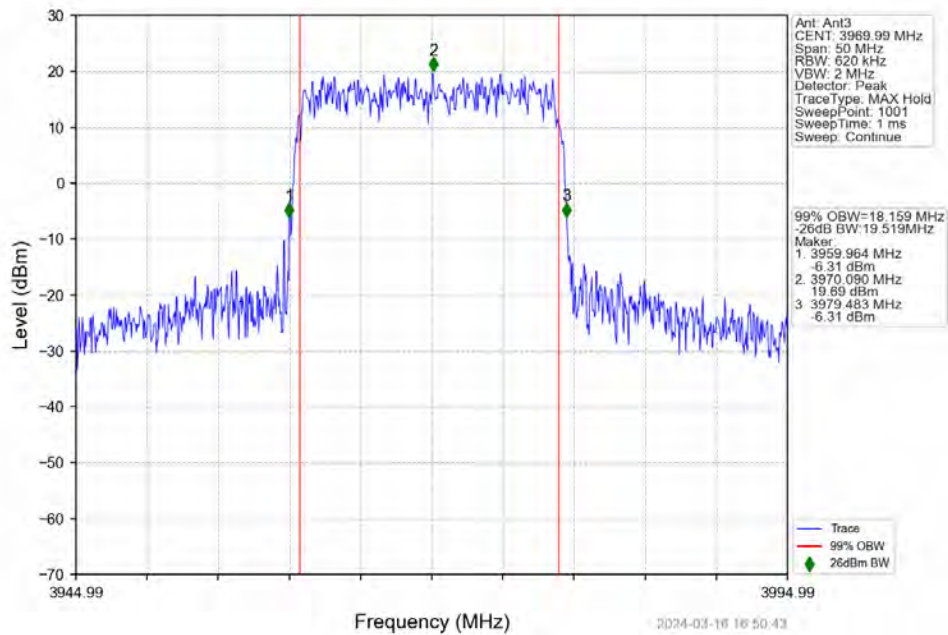
n77a 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3710.01MHz Outer Full



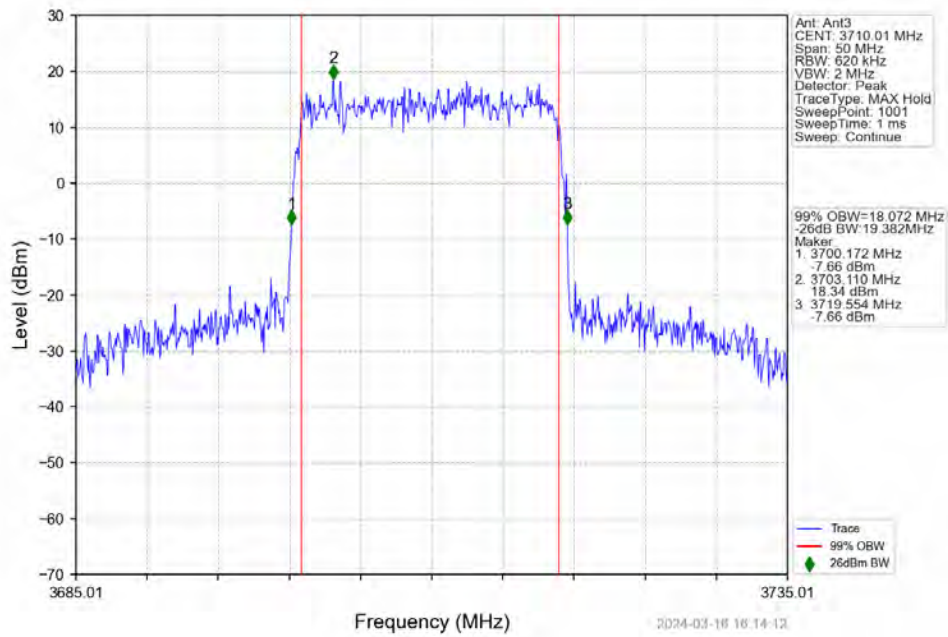
n77a 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3840MHz Outer Full



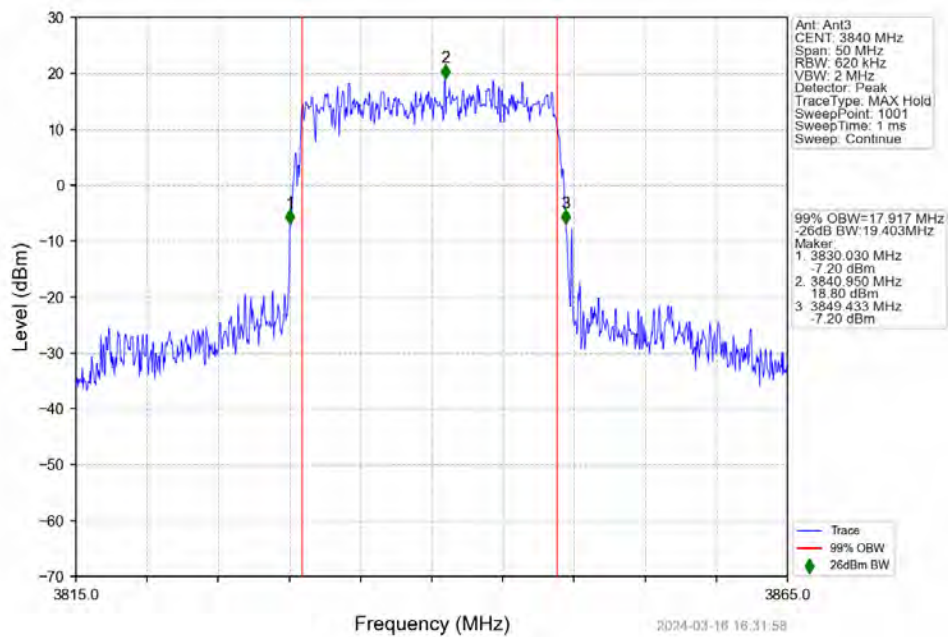
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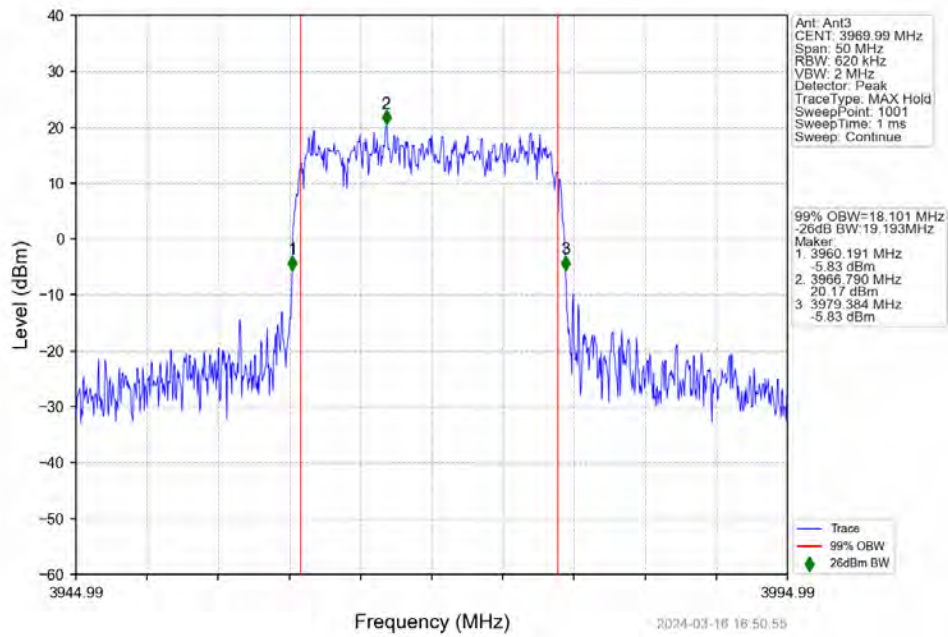
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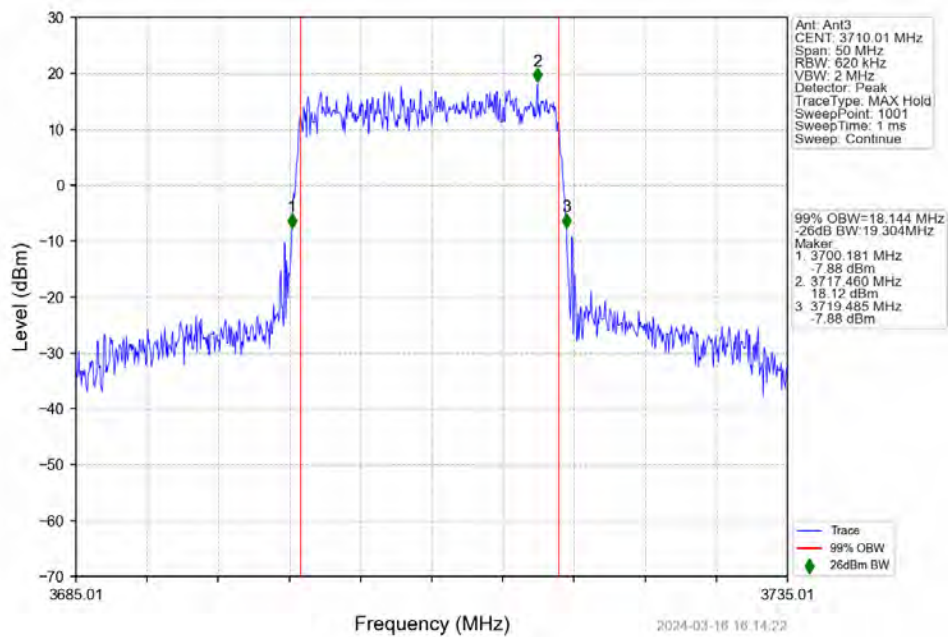
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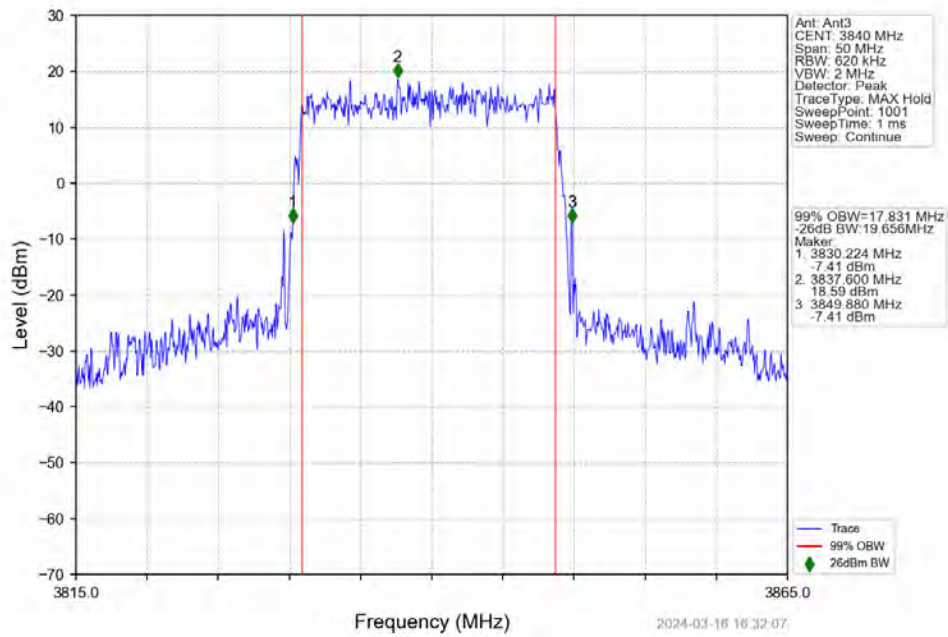
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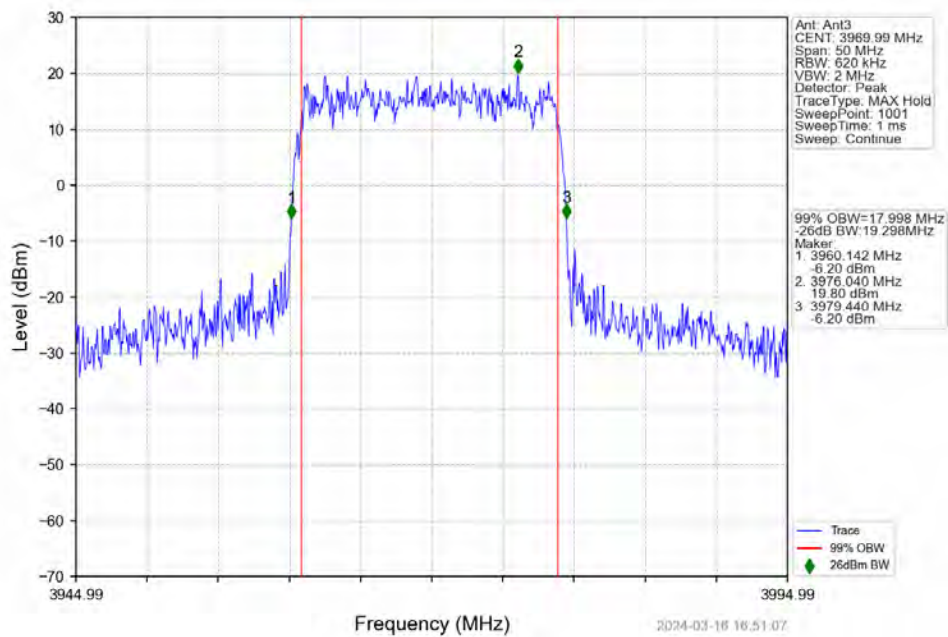
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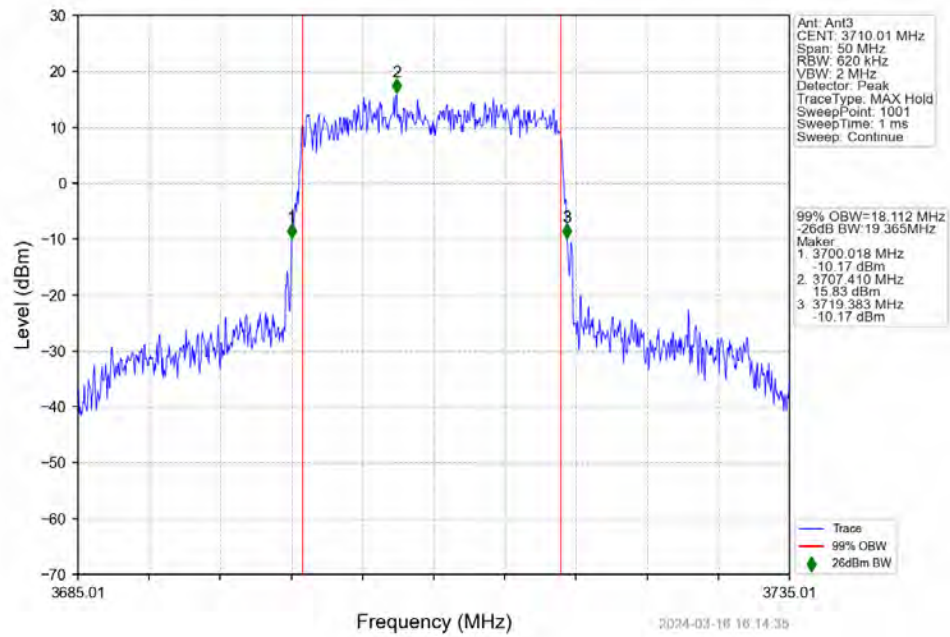
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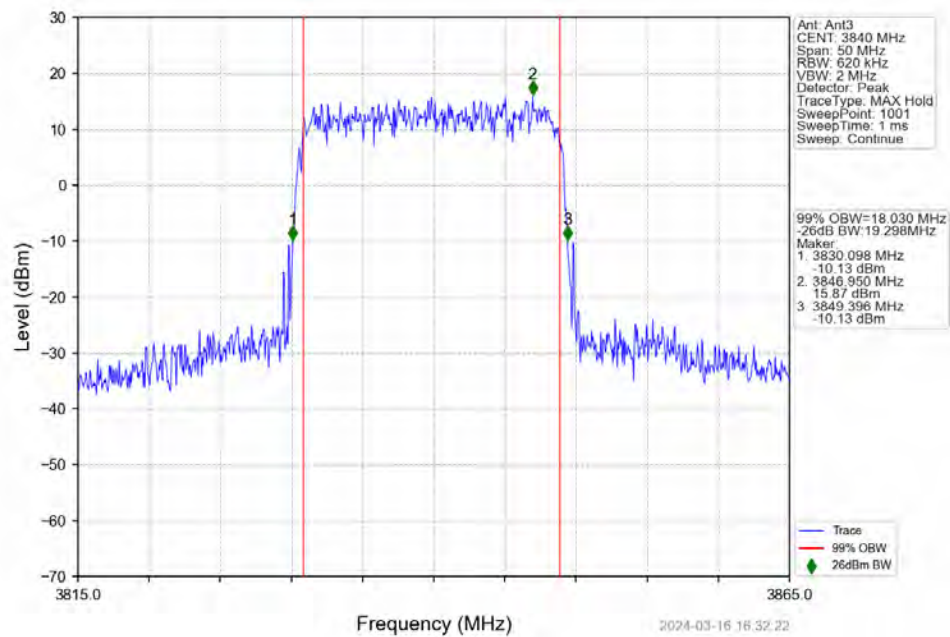
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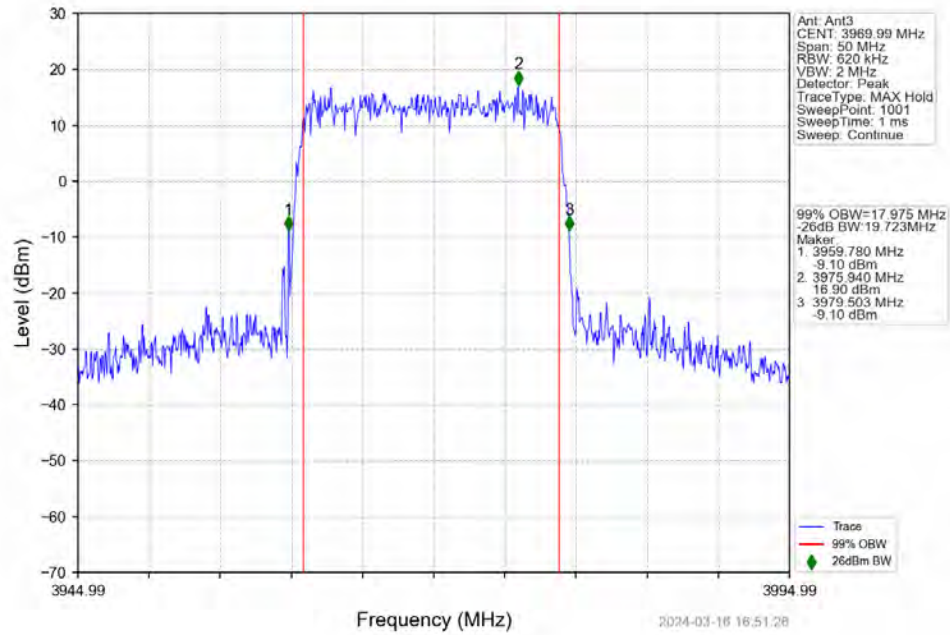
n77a 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3710.01MHz Outer Full



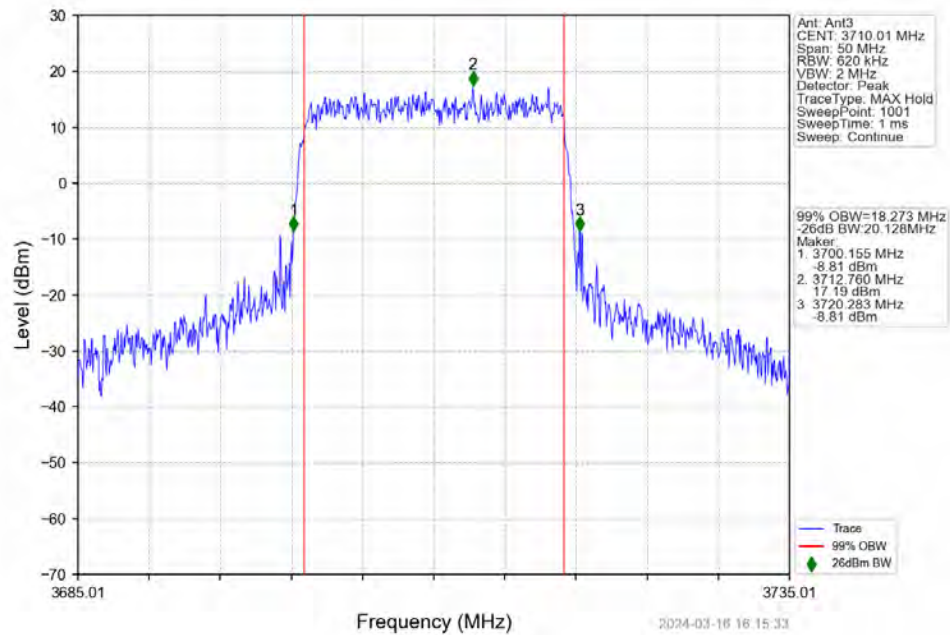
n77a 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3840MHz Outer Full



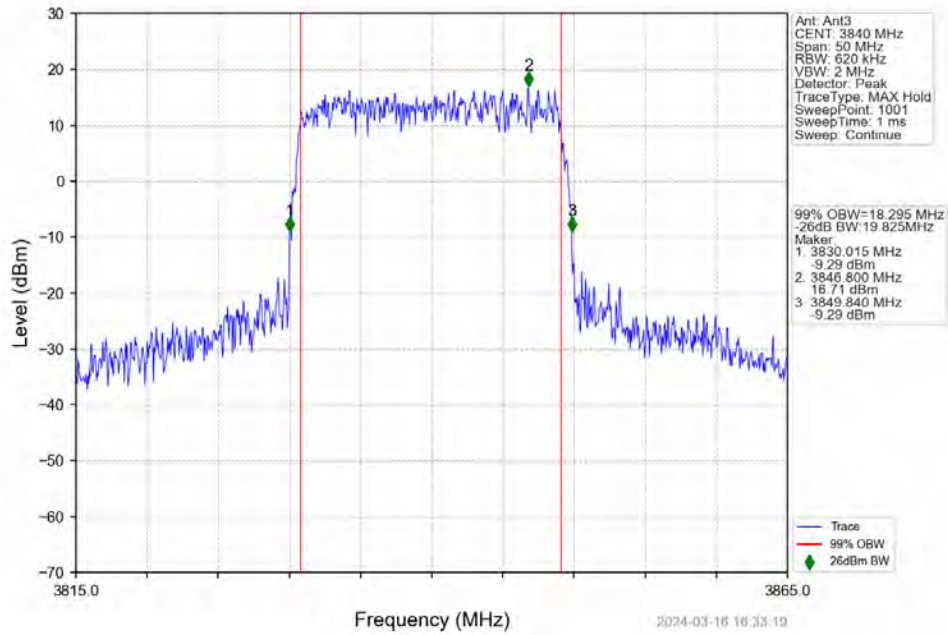
n77a 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3969.99MHz Outer Full



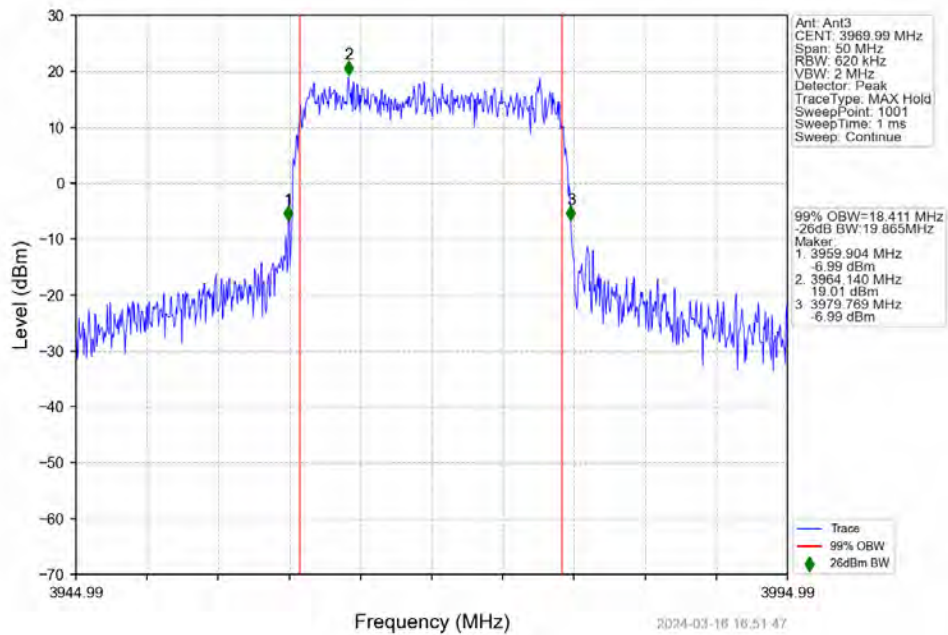
n77a 30kHz SISO NTN 20MHz CP-OFDM QPSK 3710.01MHz Outer Full



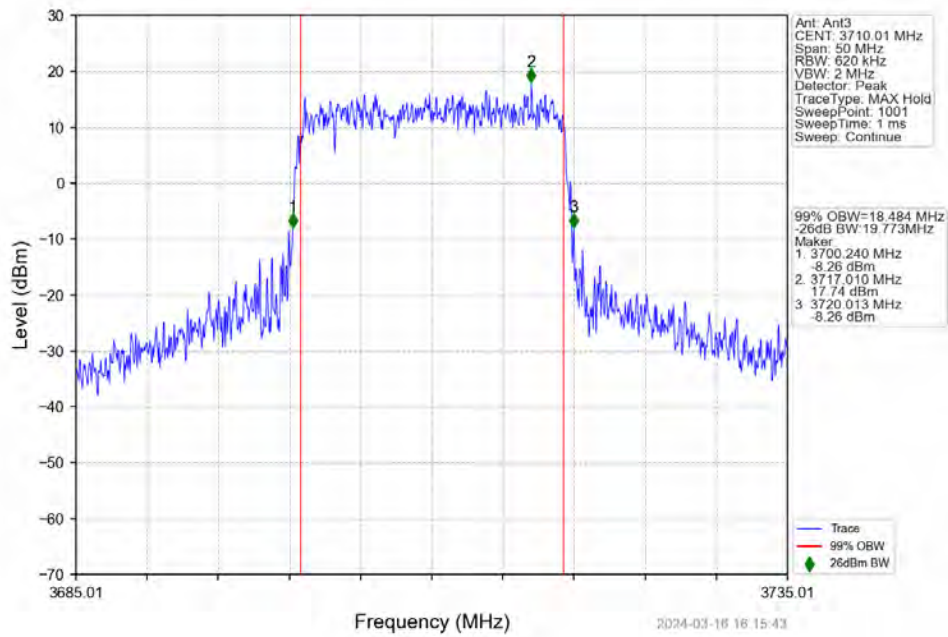
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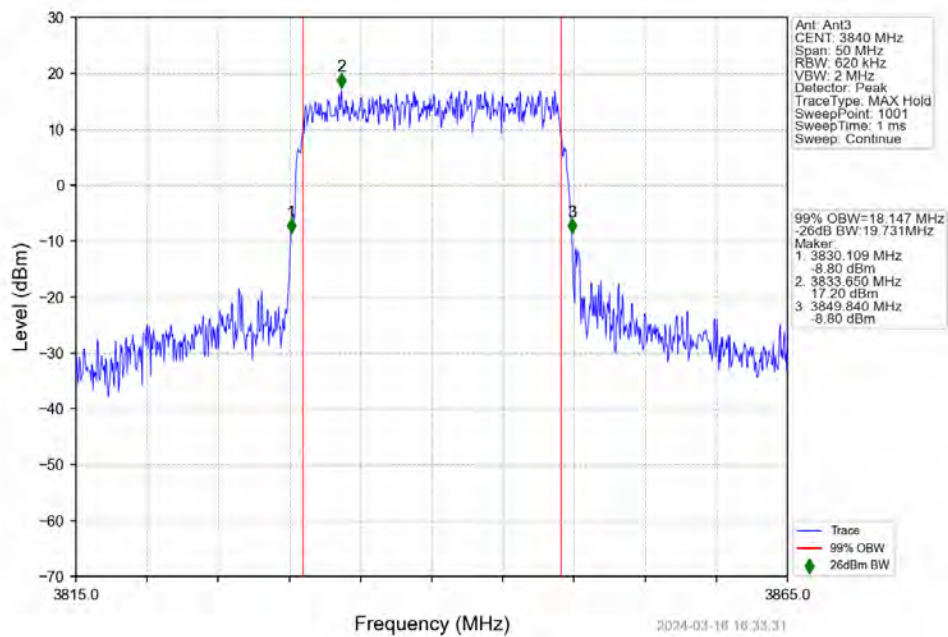
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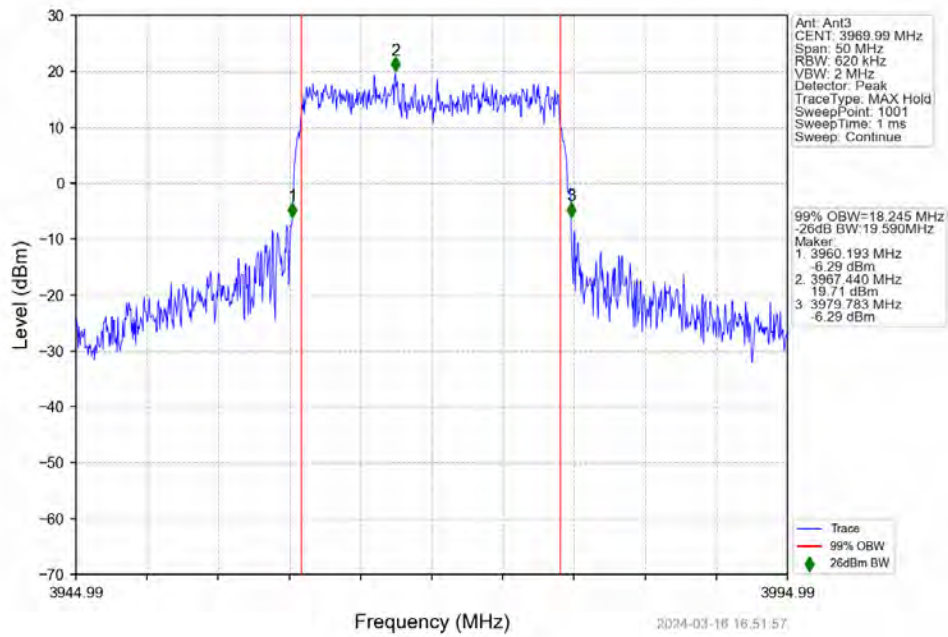
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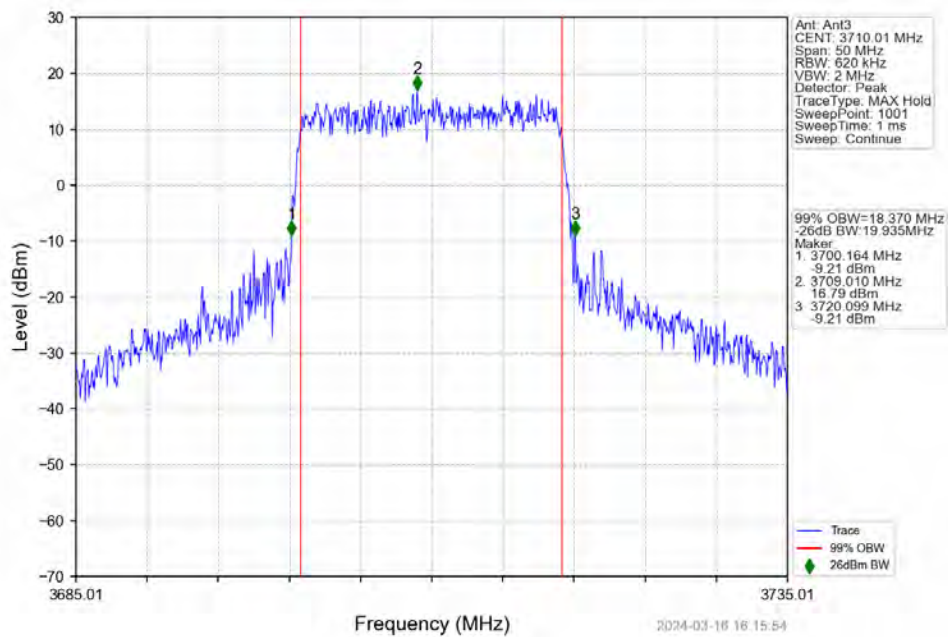
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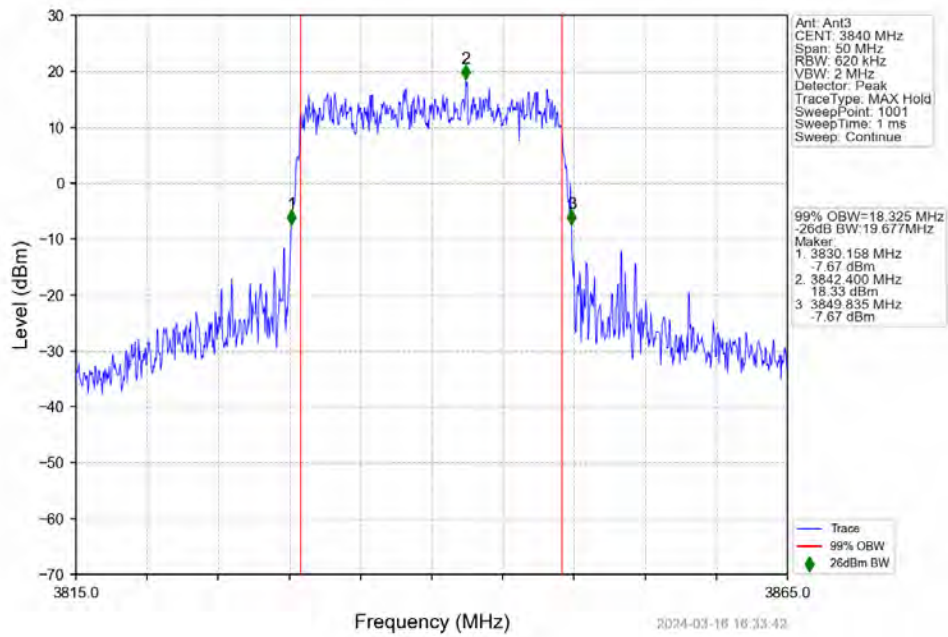
n77a 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3969.99MHz Outer Full



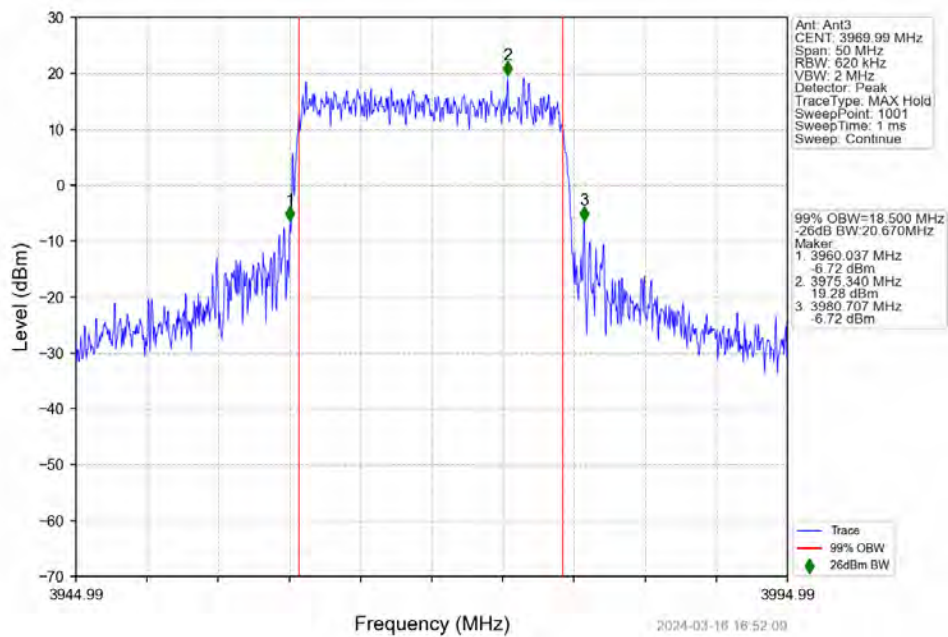
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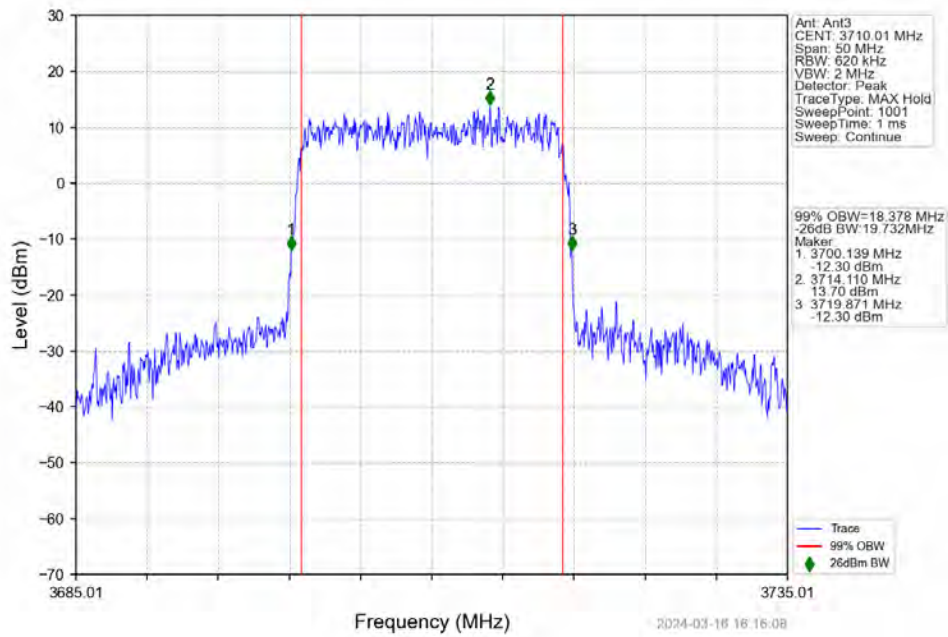
n77a 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3840MHz Outer Full



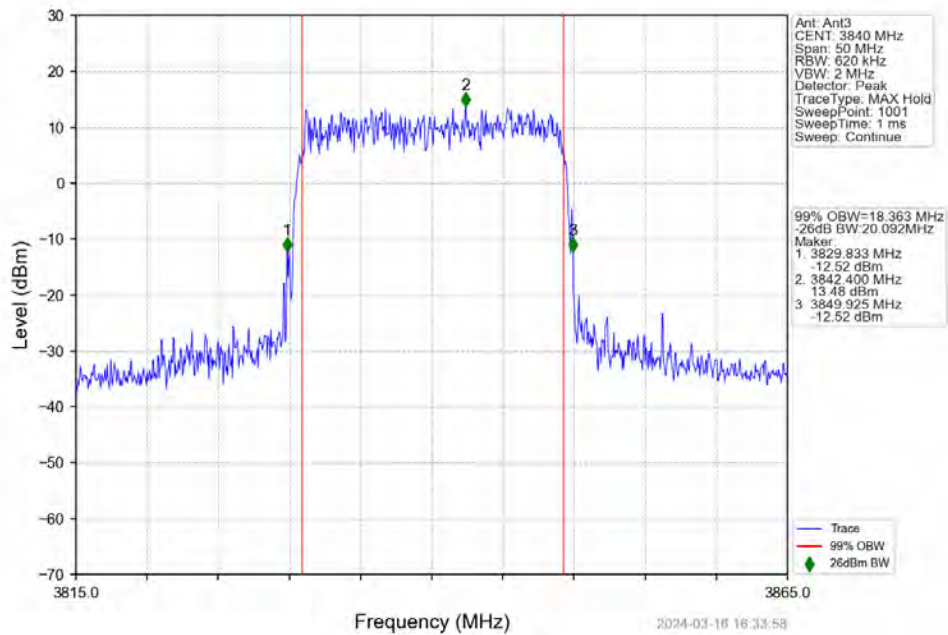
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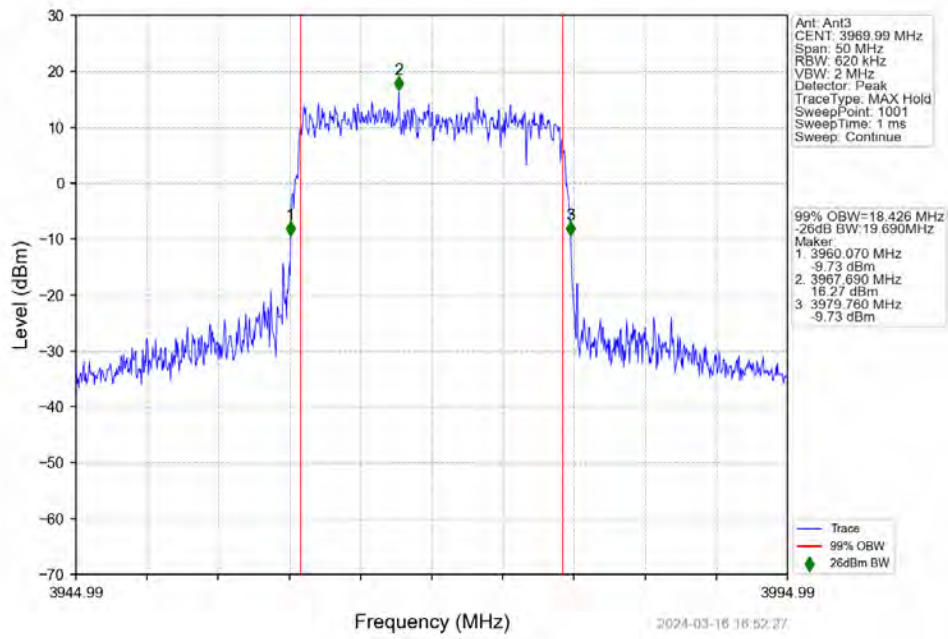
n77a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3710.01MHz Outer Full



n77a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3840MHz Outer Full



n77a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3969.99MHz Outer Full

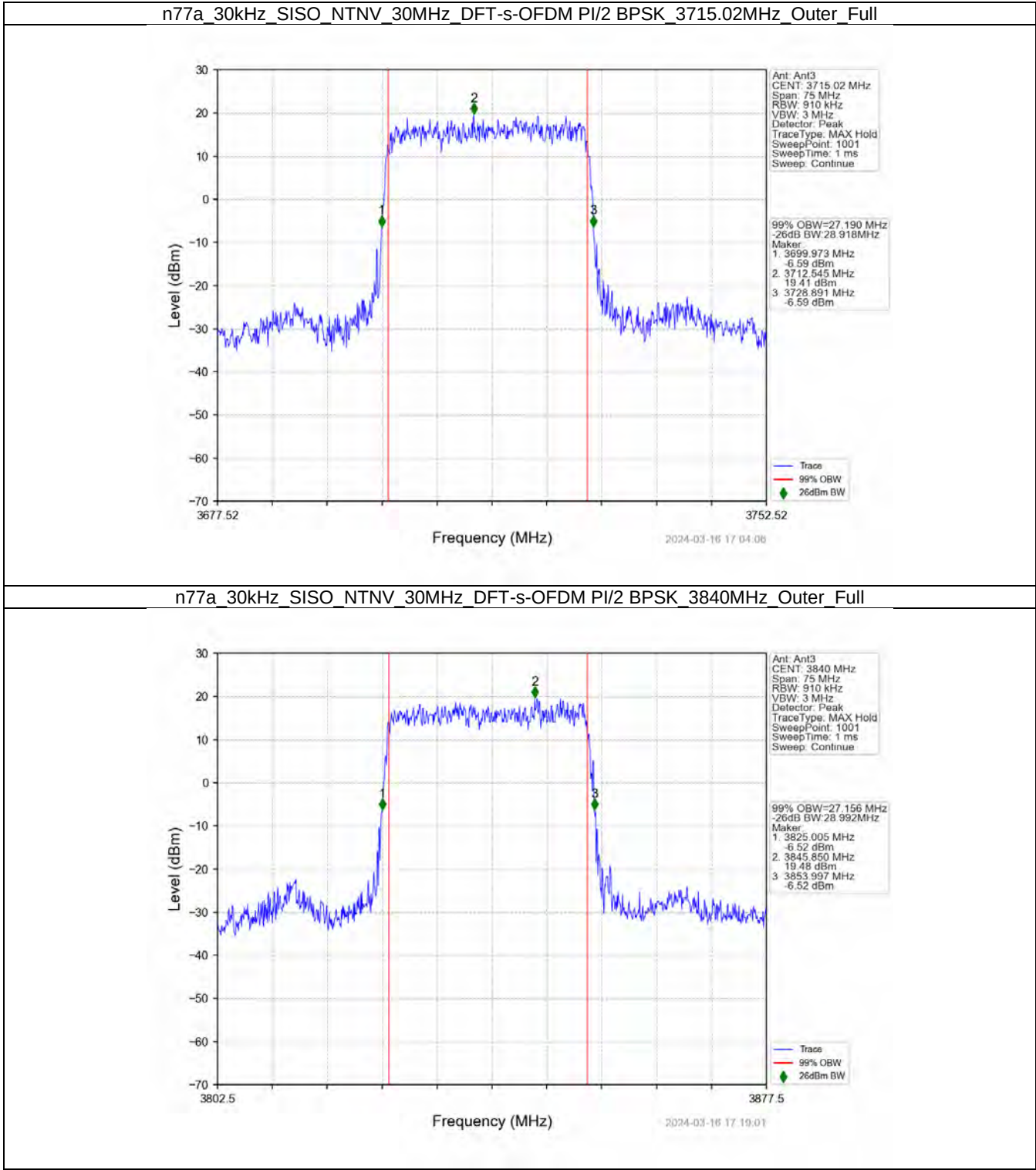


3.2 30k_SISO_30MHz_NTNV

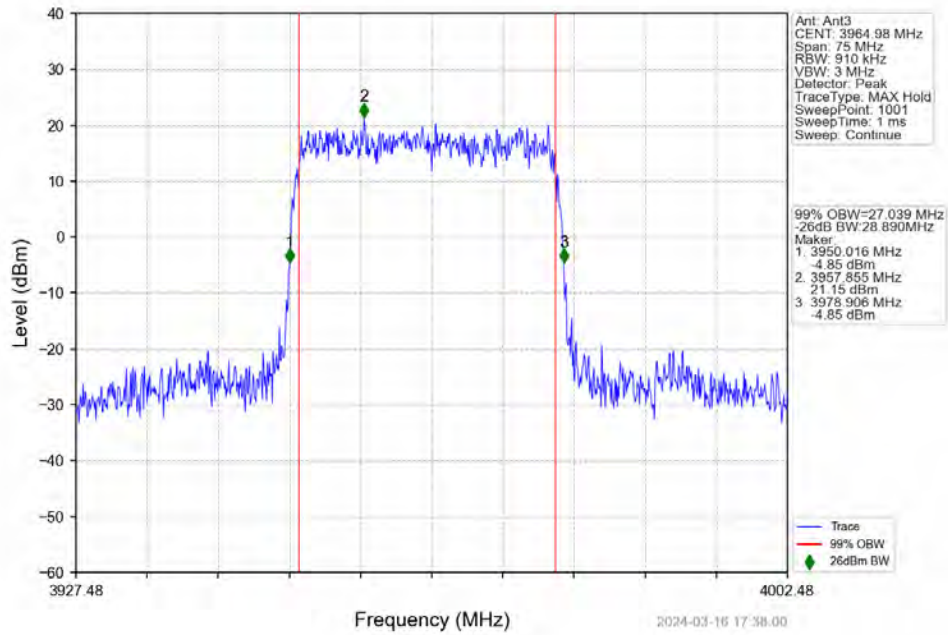
3.2.1 Test Result

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	3715.02	Outer_Full	27.19	28.92	/	Pass
	3840	Outer_Full	27.16	28.99	/	Pass
	3964.98	Outer_Full	27.04	28.89	/	Pass
DFT-s-OFDM QPSK	3715.02	Outer_Full	27.14	29.01	/	Pass
	3840	Outer_Full	27.09	28.93	/	Pass
	3964.98	Outer_Full	27.16	28.90	/	Pass
DFT-s-OFDM 16 QAM	3715.02	Outer_Full	27.19	28.97	/	Pass
	3840	Outer_Full	27.07	28.85	/	Pass
	3964.98	Outer_Full	27.38	28.86	/	Pass
DFT-s-OFDM 64 QAM	3715.02	Outer_Full	27.07	28.92	/	Pass
	3840	Outer_Full	27.05	28.94	/	Pass
	3964.98	Outer_Full	27.11	28.73	/	Pass
DFT-s-OFDM 256 QAM	3715.02	Outer_Full	27.07	28.90	/	Pass
	3840	Outer_Full	27.17	28.86	/	Pass
	3964.98	Outer_Full	26.90	29.15	/	Pass
CP-OFDM QPSK	3715.02	Outer_Full	28.09	30.23	/	Pass
	3840	Outer_Full	28.07	29.84	/	Pass
	3964.98	Outer_Full	28.27	29.70	/	Pass
CP-OFDM 16 QAM	3715.02	Outer_Full	27.95	30.11	/	Pass
	3840	Outer_Full	28.08	29.82	/	Pass
	3964.98	Outer_Full	28.00	29.97	/	Pass
CP-OFDM 64 QAM	3715.02	Outer_Full	28.07	30.11	/	Pass
	3840	Outer_Full	28.06	29.92	/	Pass
	3964.98	Outer_Full	28.05	30.10	/	Pass
CP-OFDM 256 QAM	3715.02	Outer_Full	28.09	30.02	/	Pass
	3840	Outer_Full	28.23	29.88	/	Pass
	3964.98	Outer_Full	27.93	29.94	/	Pass

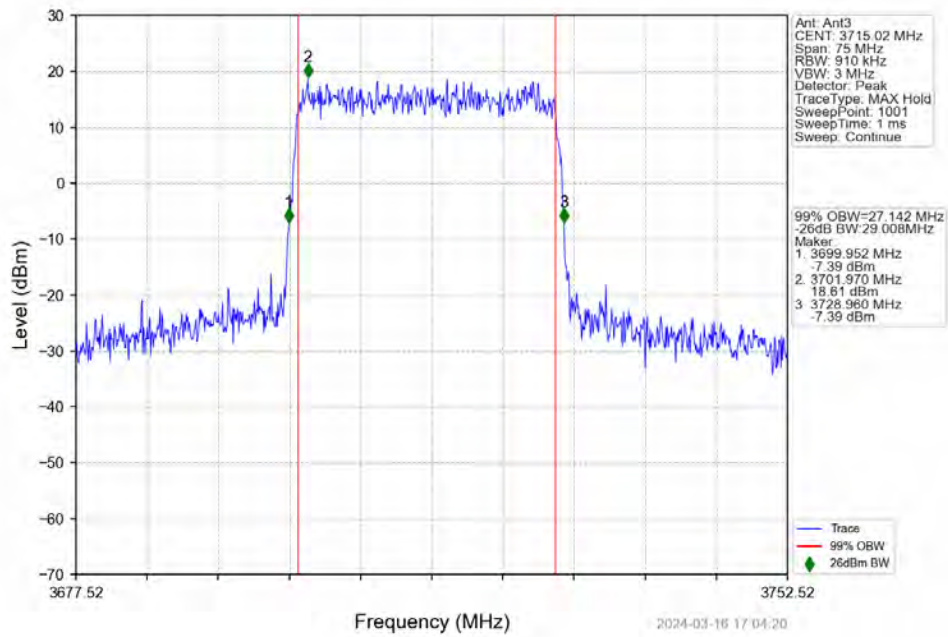
3.2.2 Test Graph



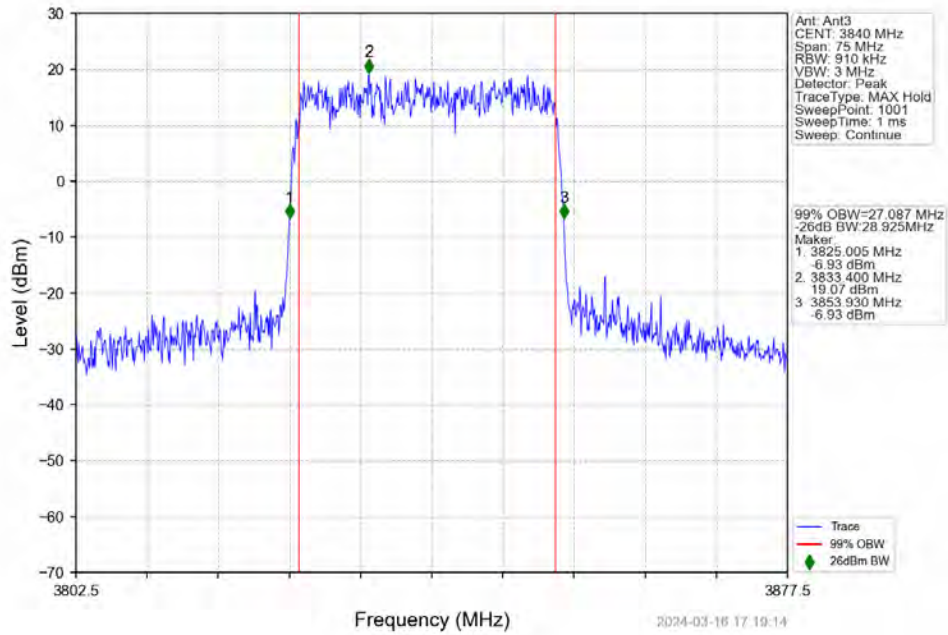
n77a 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 3964.98MHz Outer Full



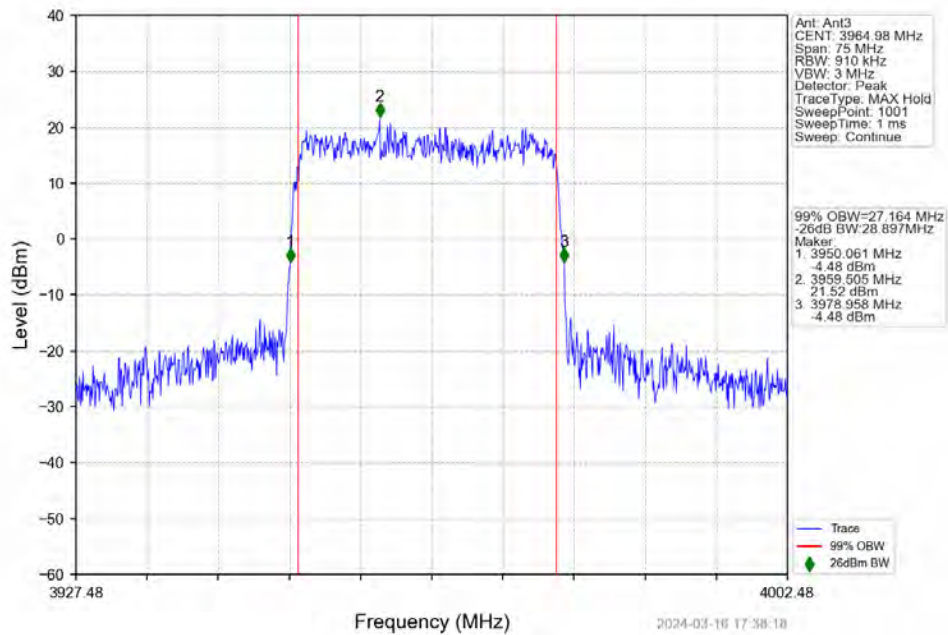
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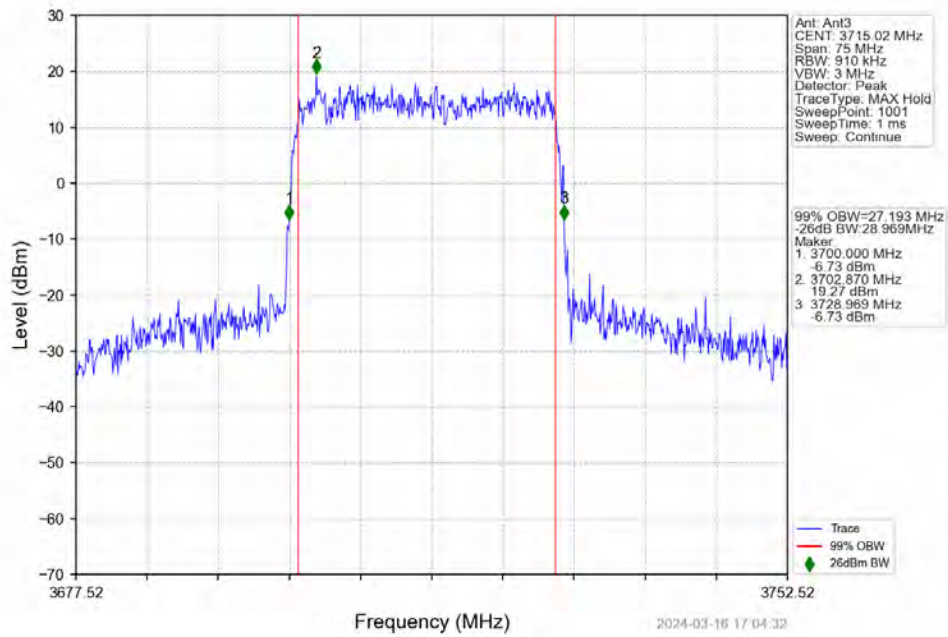
n77a 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3840MHz Outer Full



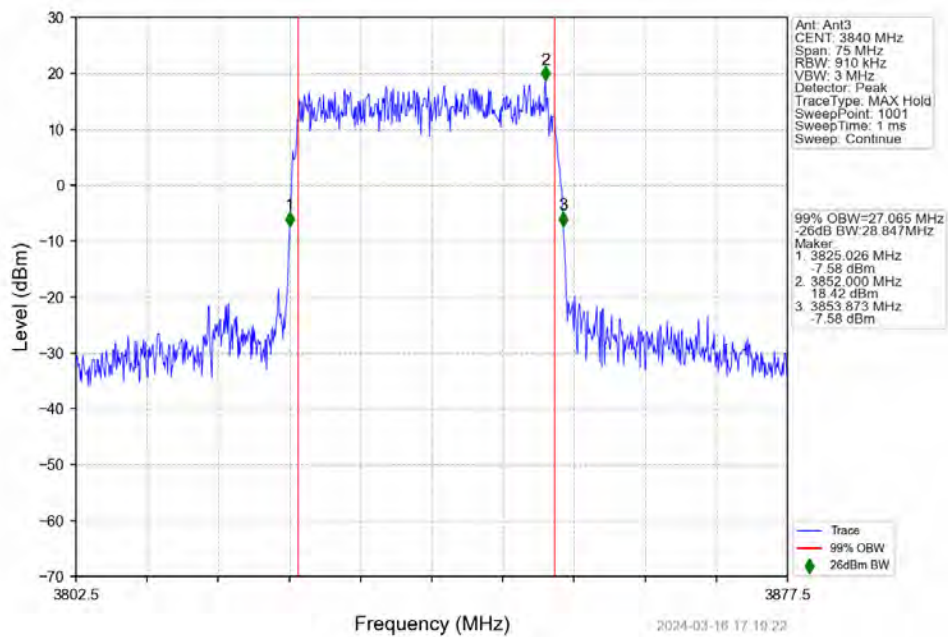
n77a 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3964.98MHz Outer Full



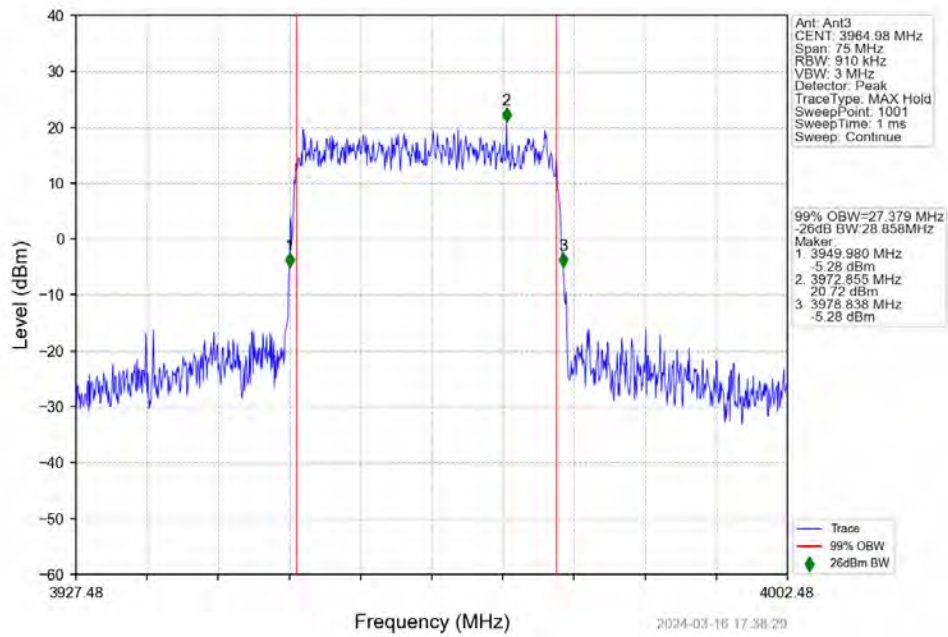
n77a 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 3715.02MHz Outer Full



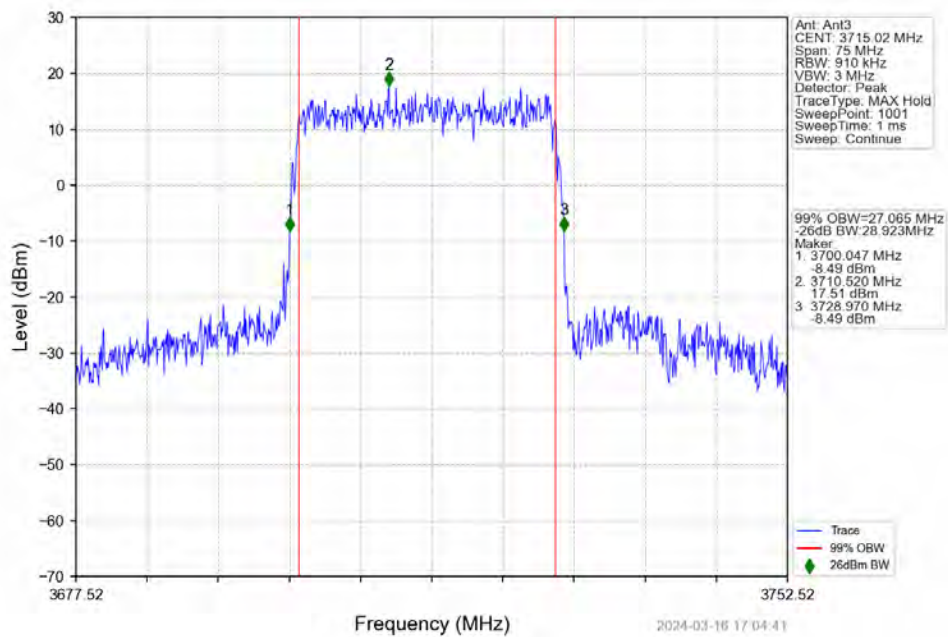
n77a 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full



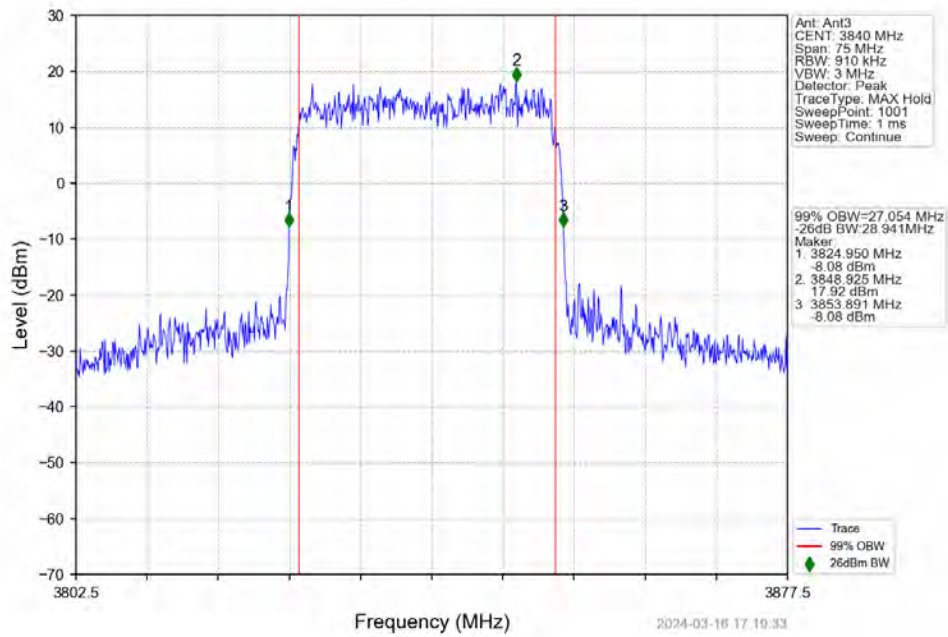
n77a 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 3964.98MHz Outer Full



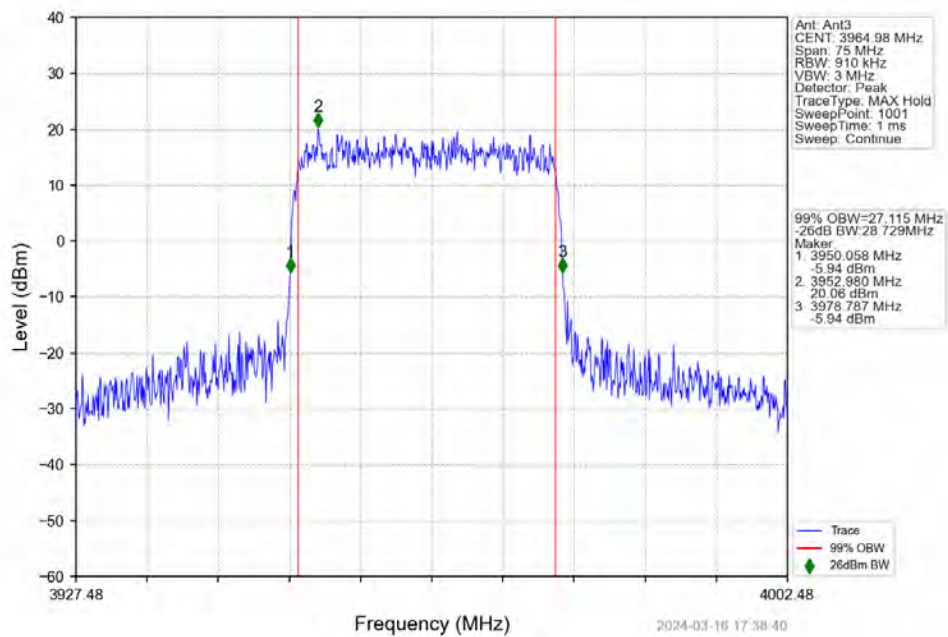
n77a 30kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 3715.02MHz Outer Full



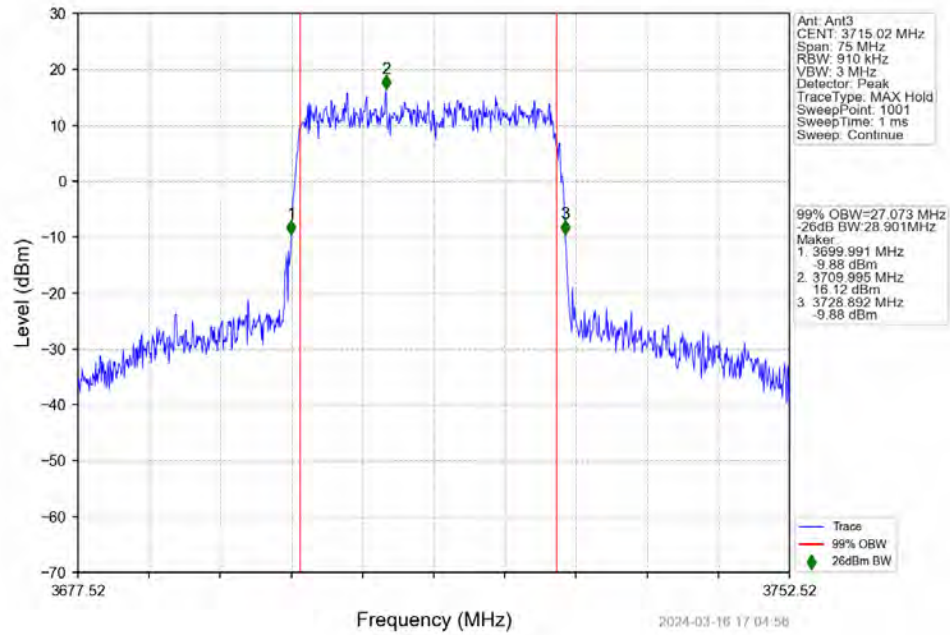
n77a 30kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 3840MHz Outer Full



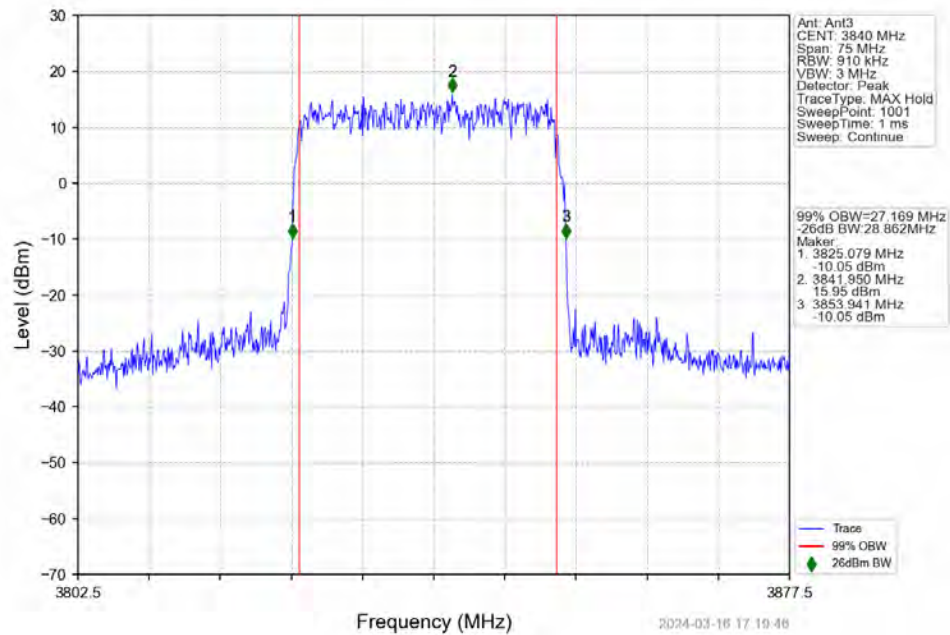
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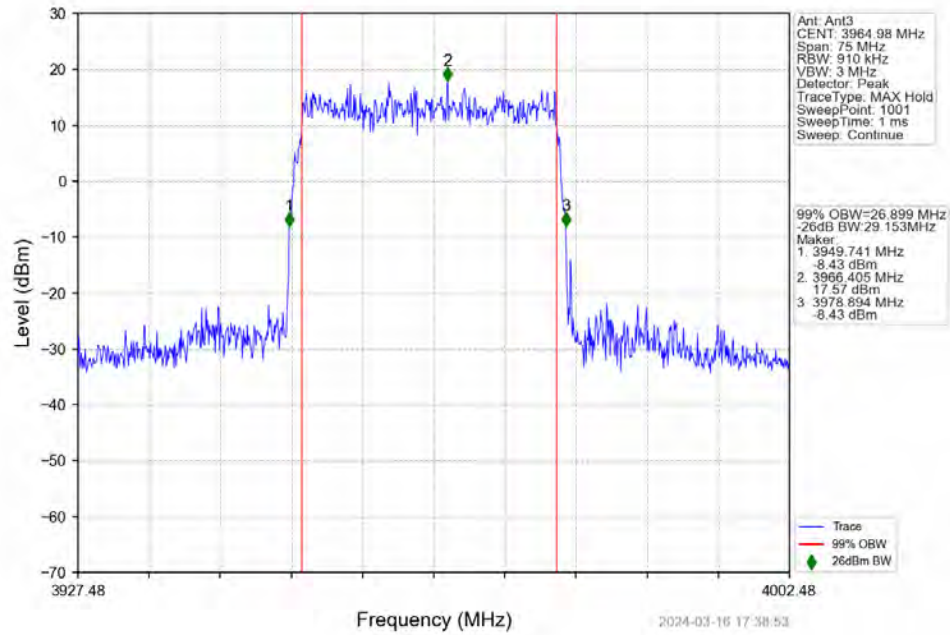
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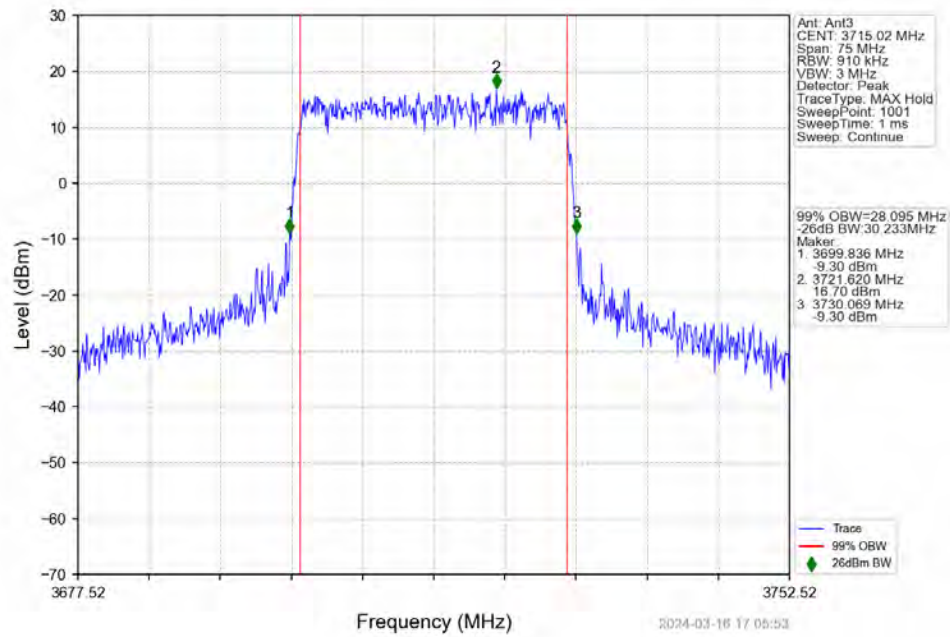
n77a 30kHz SISO NTN 30MHz DFT-s-OFDM 256 QAM 3840MHz Outer Full



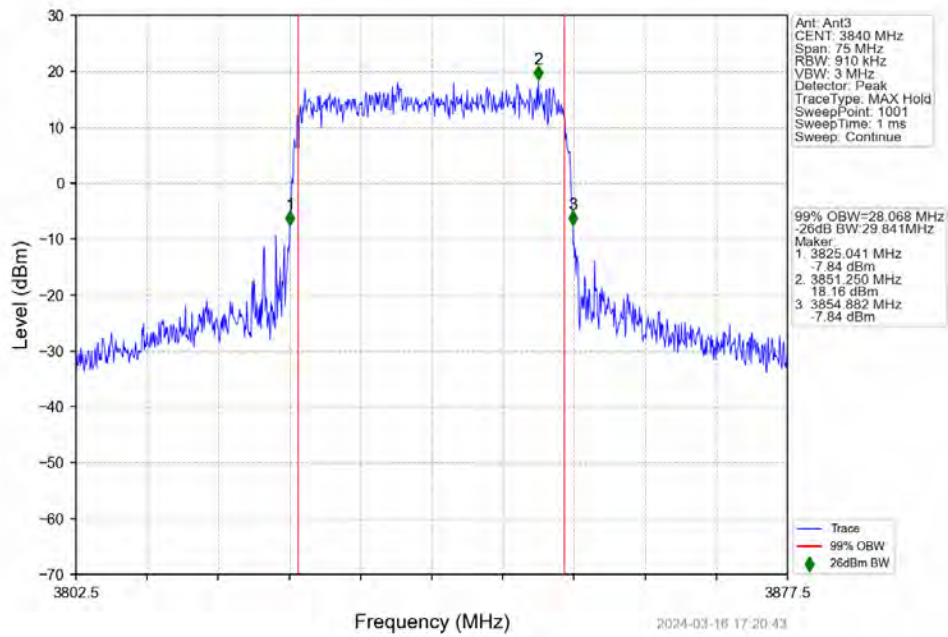
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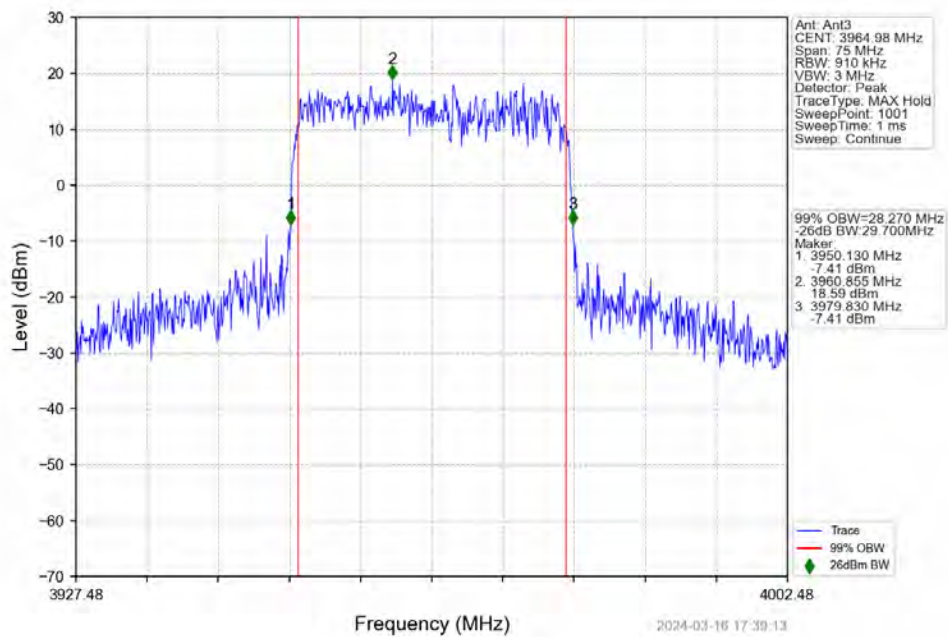
n77a 30kHz SISO NTN 30MHz CP-OFDM QPSK 3715.02MHz Outer Full



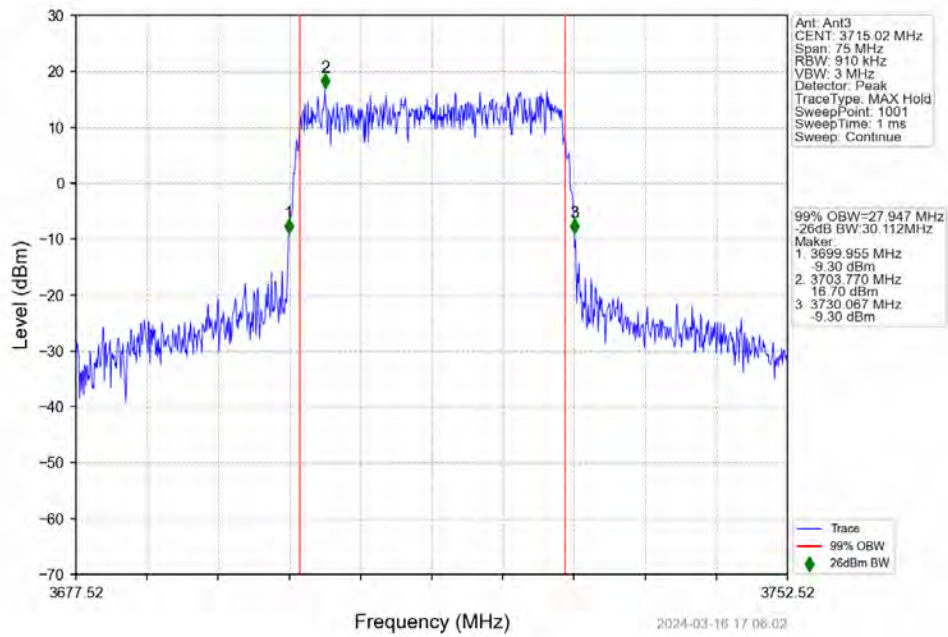
n77a 30kHz SISO NTN 30MHz CP-OFDM QPSK 3840MHz Outer Full



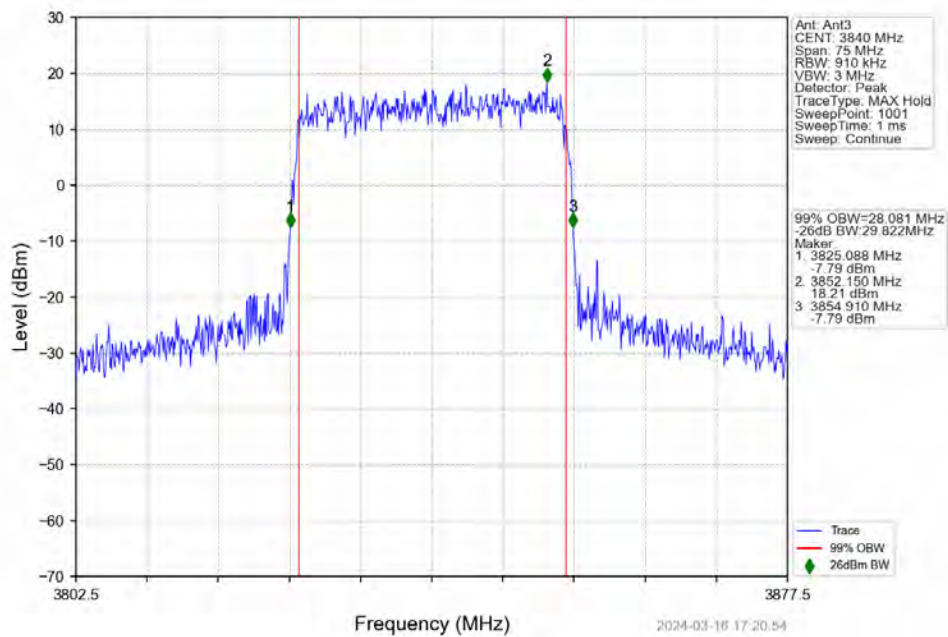
n77a 30kHz SISO NTN 30MHz CP-OFDM QPSK 3964.98MHz Outer Full



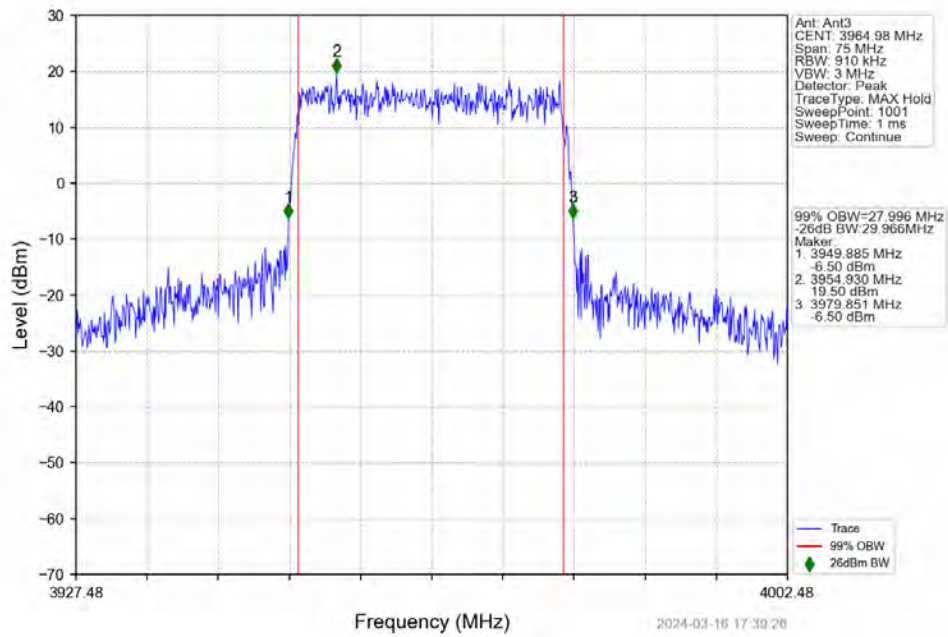
n77a 30kHz SISO NTN 30MHz CP-OFDM 16 QAM 3715.02MHz Outer Full



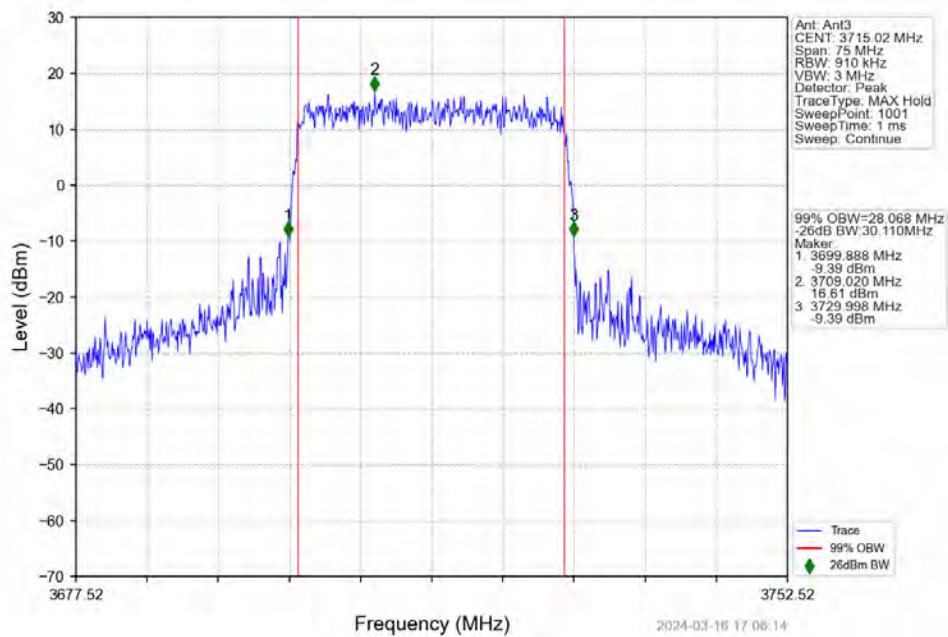
n77a 30kHz SISO NTN 30MHz CP-OFDM 16 QAM 3840MHz Outer Full



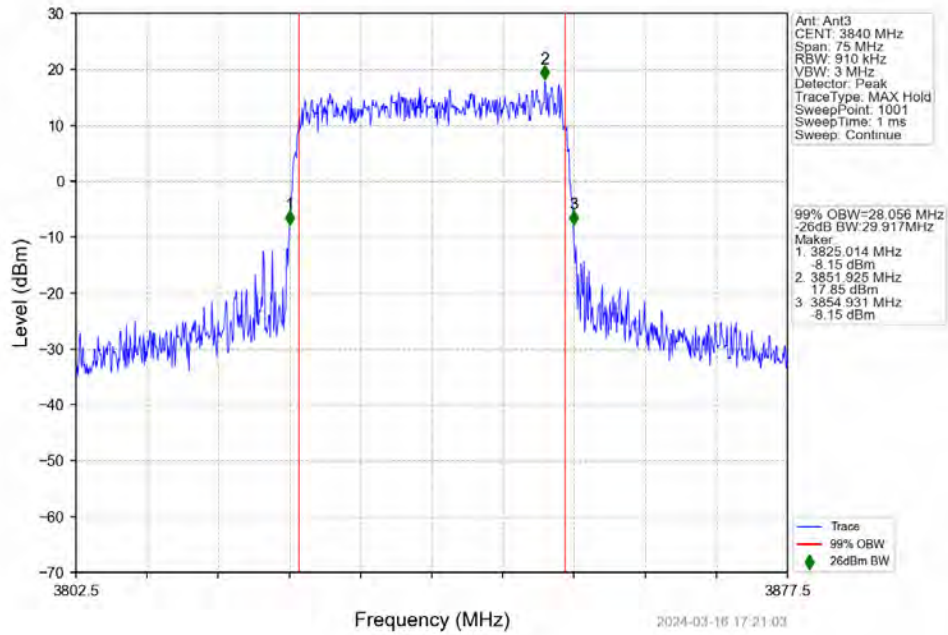
n77a 30kHz SISO NTN 30MHz CP-OFDM 16 QAM 3964.98MHz Outer Full



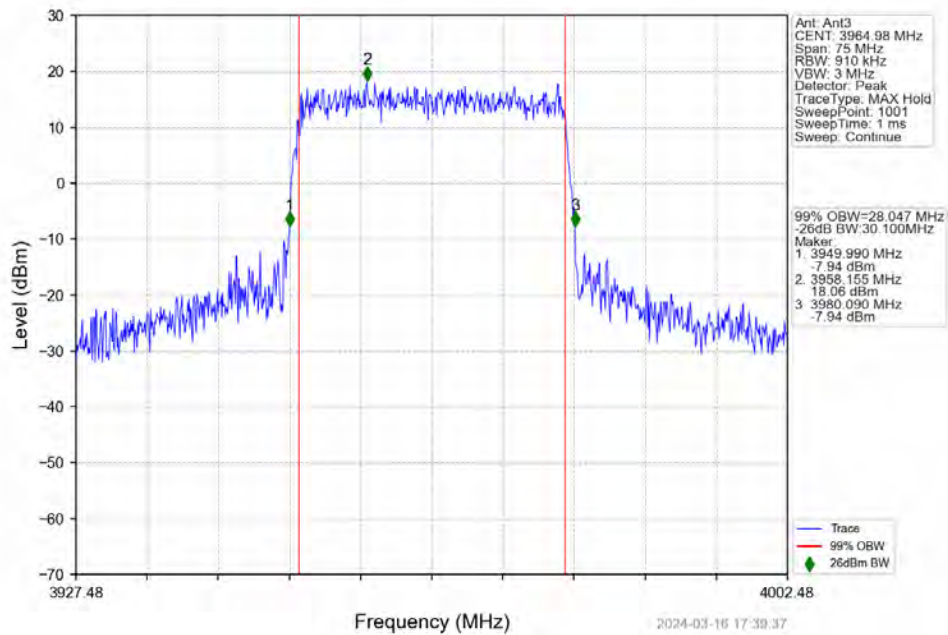
n77a 30kHz SISO NTN 30MHz CP-OFDM 64 QAM 3715.02MHz Outer Full



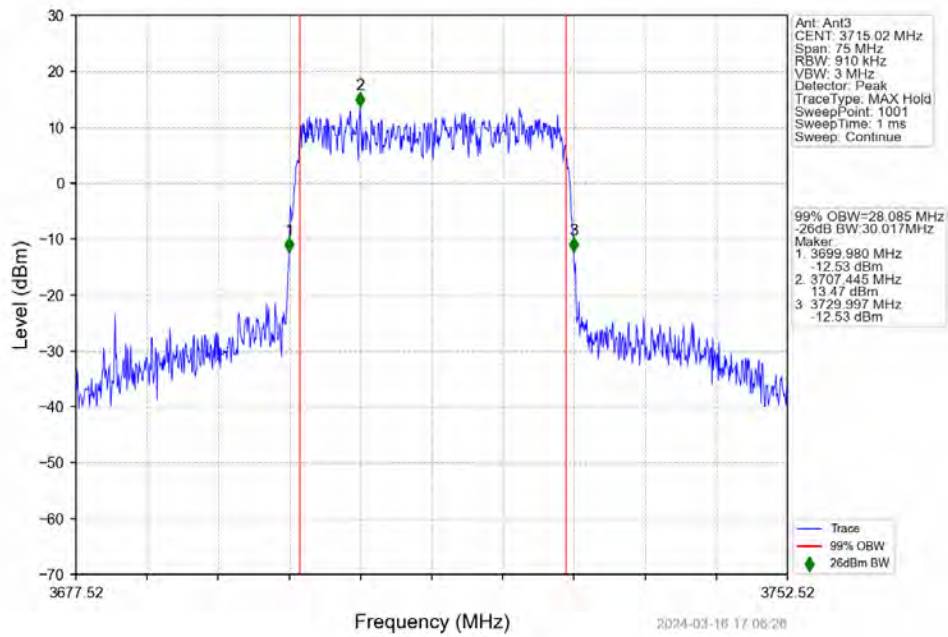
n77a 30kHz SISO NTN 30MHz CP-OFDM 64 QAM 3840MHz Outer Full



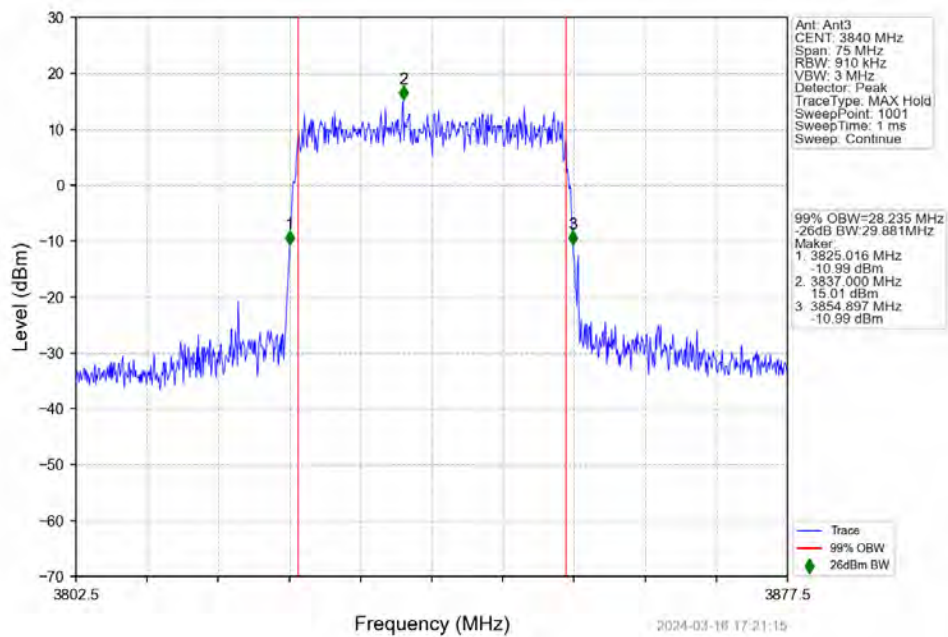
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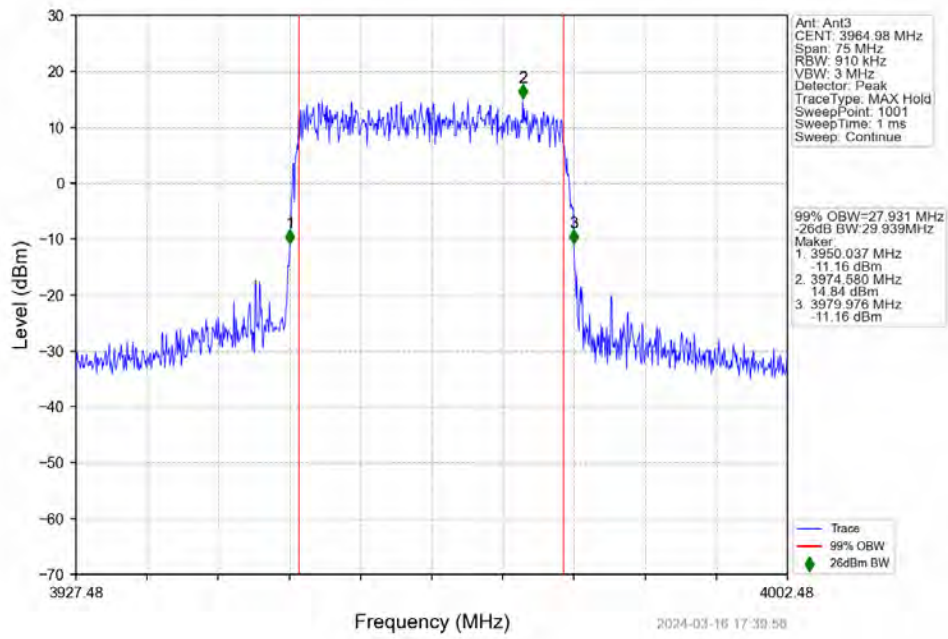
n77a 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3715.02MHz Outer Full



n77a 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3840MHz Outer Full



n77a 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3964.98MHz Outer Full

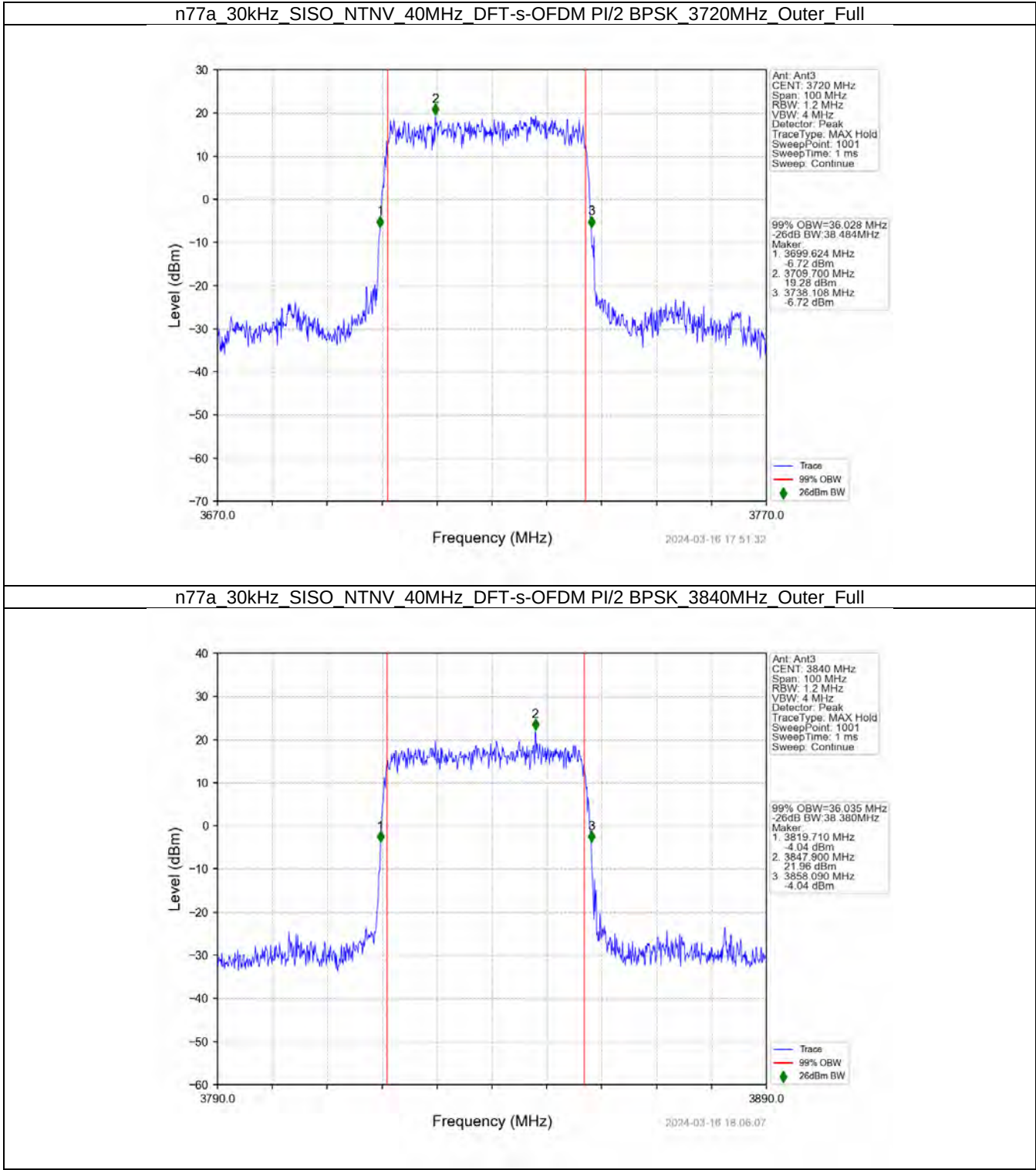


3.3 30k_SISO_40MHz_NTNV

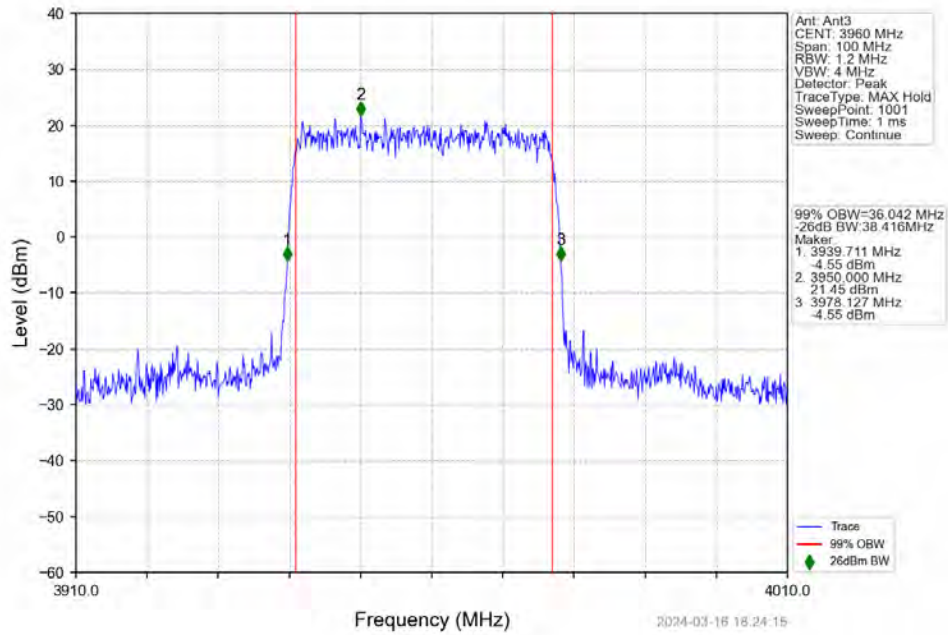
3.3.1 Test Result

5G NR n77a SCS=30kHz SISO 40MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3720	Outer_Full	36.03	38.48	/	Pass
	3840	Outer_Full	36.03	38.38	/	Pass
	3960	Outer_Full	36.04	38.42	/	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	36.02	38.67	/	Pass
	3840	Outer_Full	35.99	38.48	/	Pass
	3960	Outer_Full	36.17	38.52	/	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	35.91	38.59	/	Pass
	3840	Outer_Full	36.09	38.47	/	Pass
	3960	Outer_Full	36.00	38.45	/	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	36.07	38.45	/	Pass
	3840	Outer_Full	36.08	38.50	/	Pass
	3960	Outer_Full	36.08	38.47	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	36.05	38.46	/	Pass
	3840	Outer_Full	35.86	38.70	/	Pass
	3960	Outer_Full	35.97	38.78	/	Pass
CP-OFDM QPSK	3720	Outer_Full	38.32	40.91	/	Pass
	3840	Outer_Full	38.23	40.55	/	Pass
	3960	Outer_Full	37.85	40.64	/	Pass
CP-OFDM 16 QAM	3720	Outer_Full	37.98	40.77	/	Pass
	3840	Outer_Full	37.98	40.68	/	Pass
	3960	Outer_Full	38.09	40.60	/	Pass
CP-OFDM 64 QAM	3720	Outer_Full	38.16	40.91	/	Pass
	3840	Outer_Full	38.17	40.64	/	Pass
	3960	Outer_Full	38.16	40.61	/	Pass
CP-OFDM 256 QAM	3720	Outer_Full	38.14	40.62	/	Pass
	3840	Outer_Full	38.39	40.71	/	Pass
	3960	Outer_Full	38.03	40.53	/	Pass

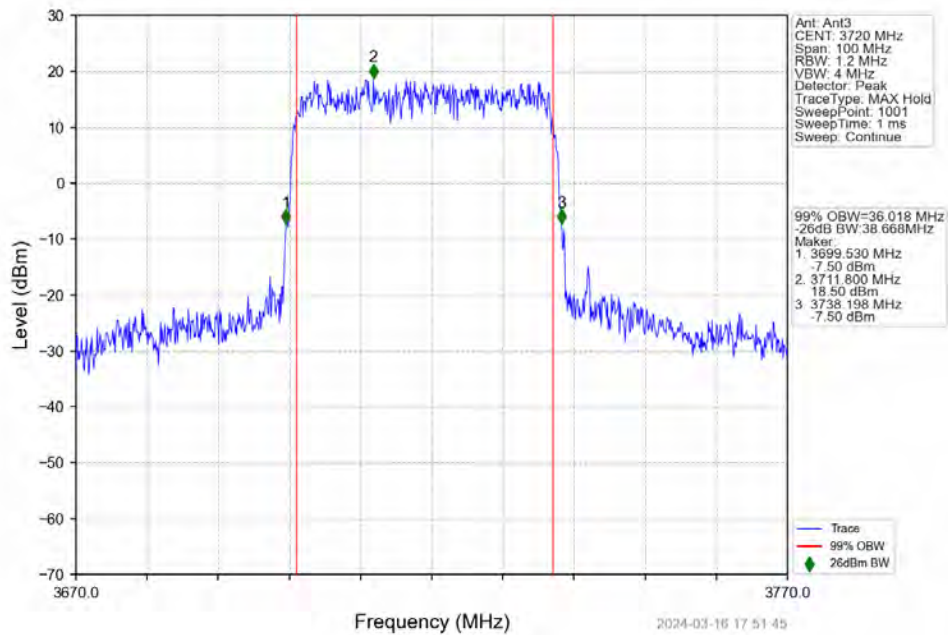
3.3.2 Test Graph



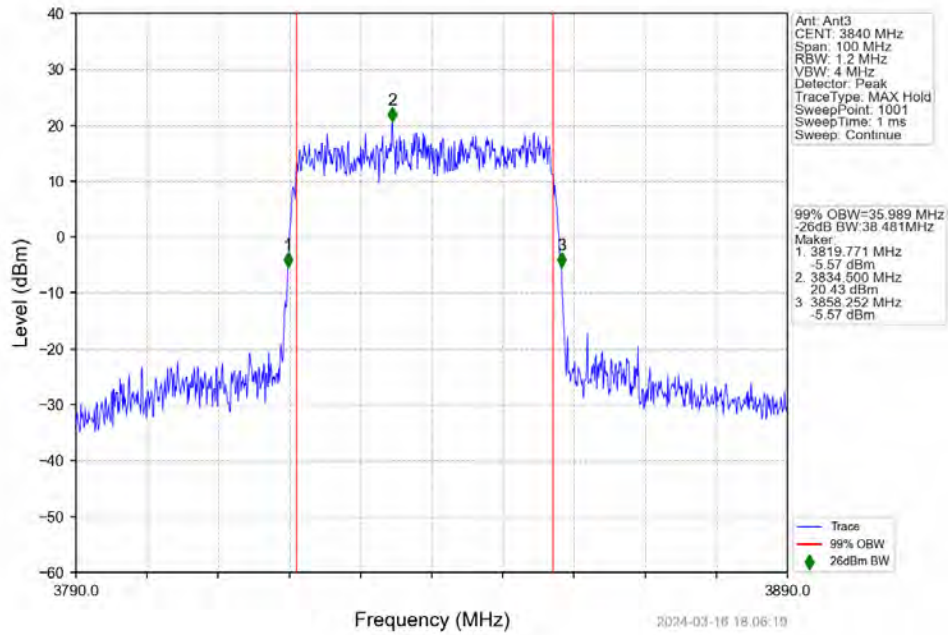
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 3960MHz Outer Full



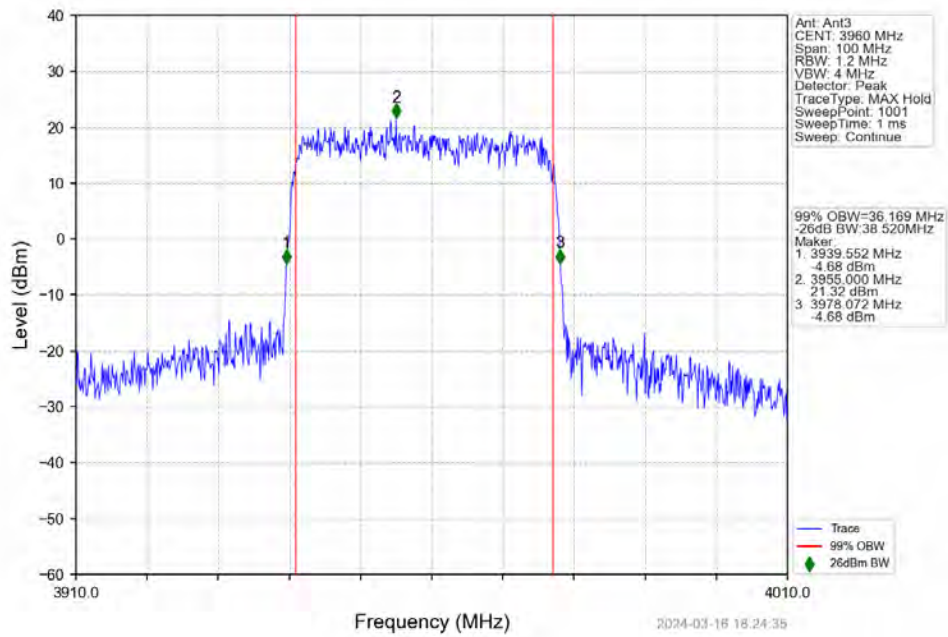
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3720MHz Outer Full



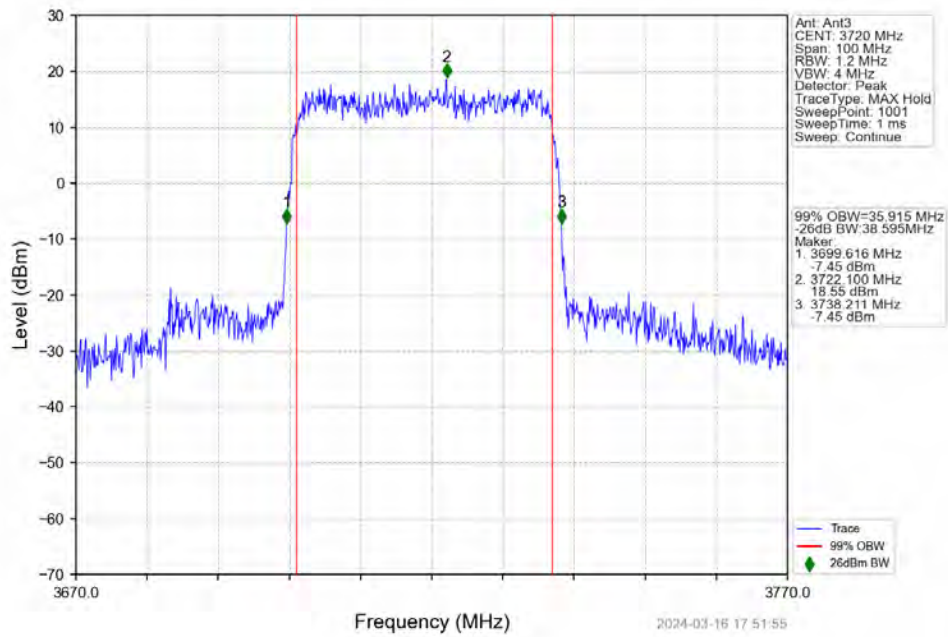
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM QPSK 3840MHz Outer Full



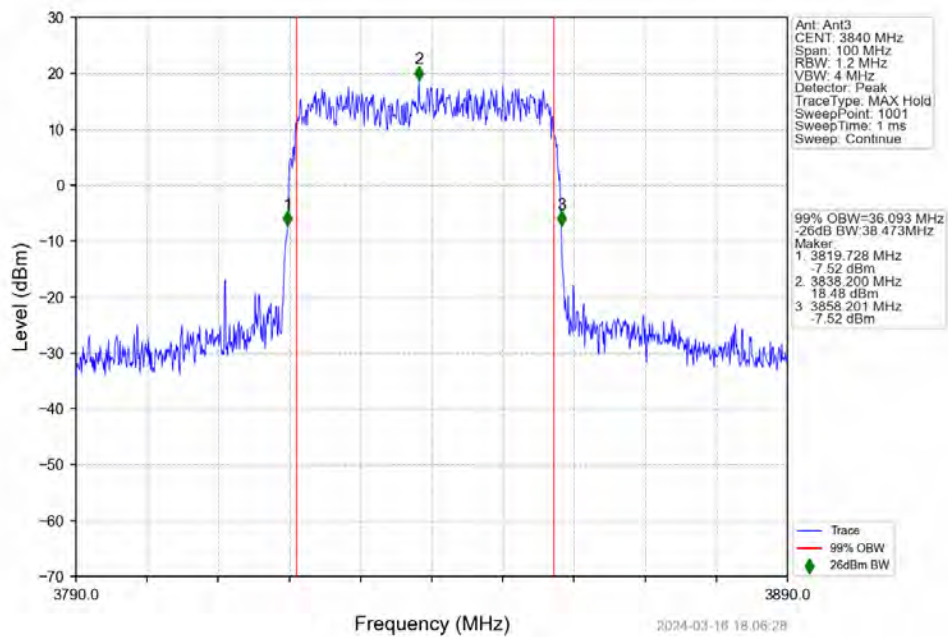
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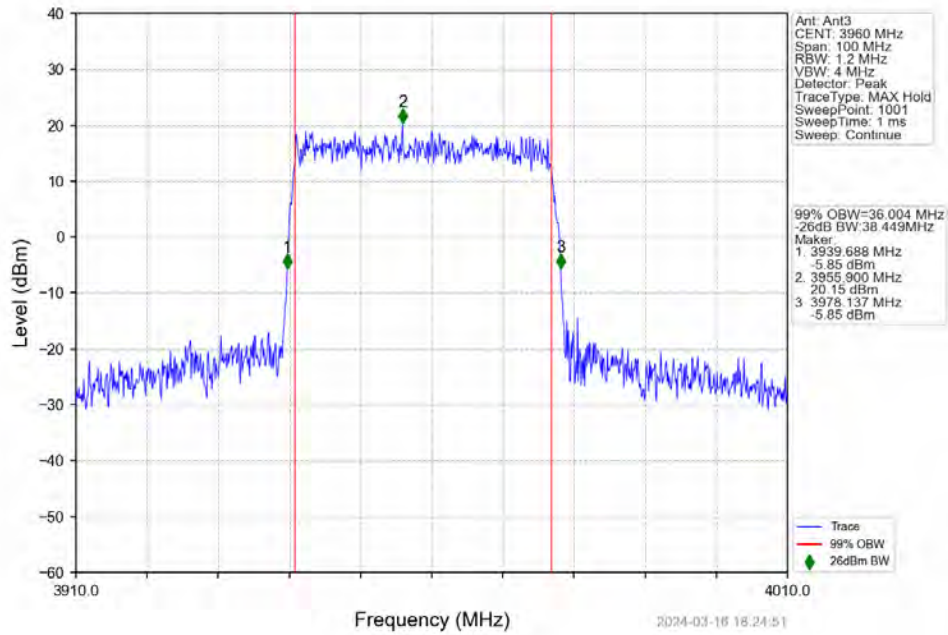
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM 16 QAM 3720MHz Outer Full



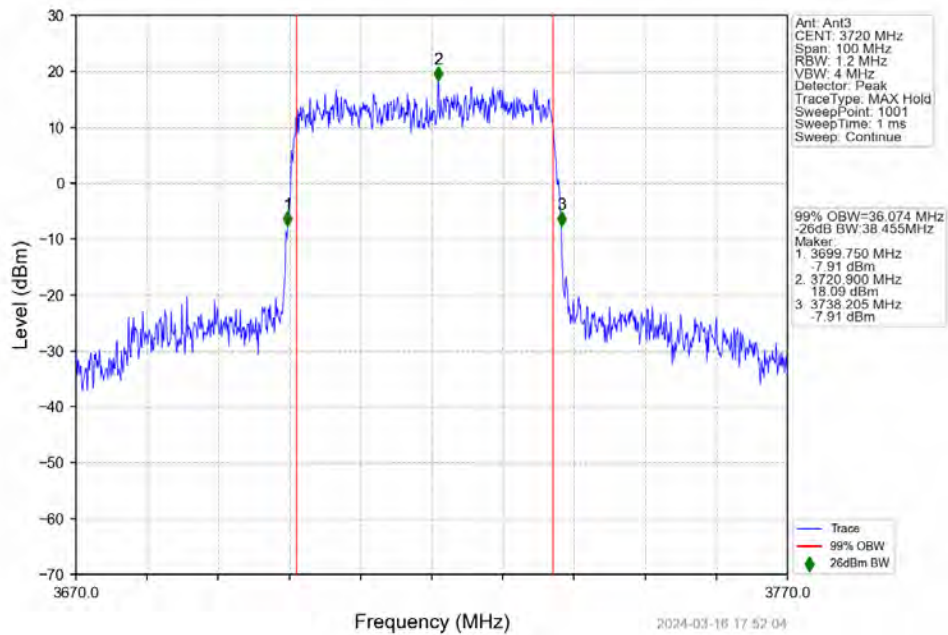
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full



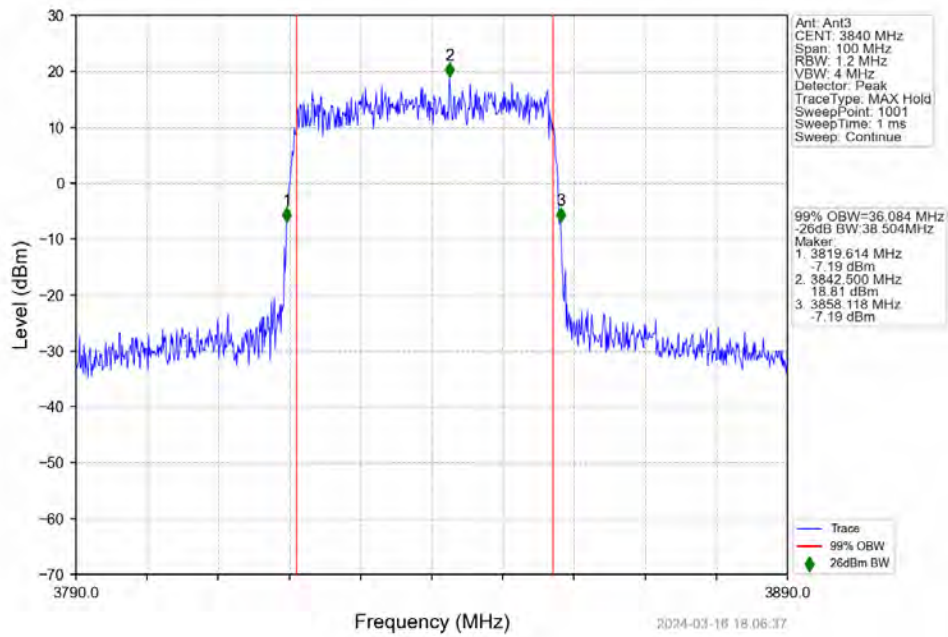
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM 16 QAM 3960MHz Outer Full



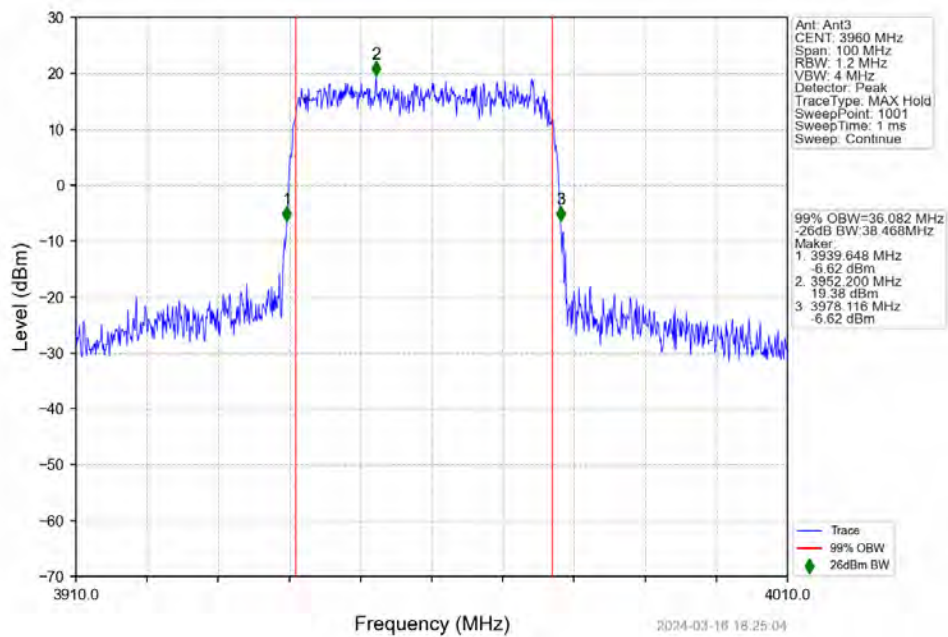
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM 64 QAM 3720MHz Outer Full



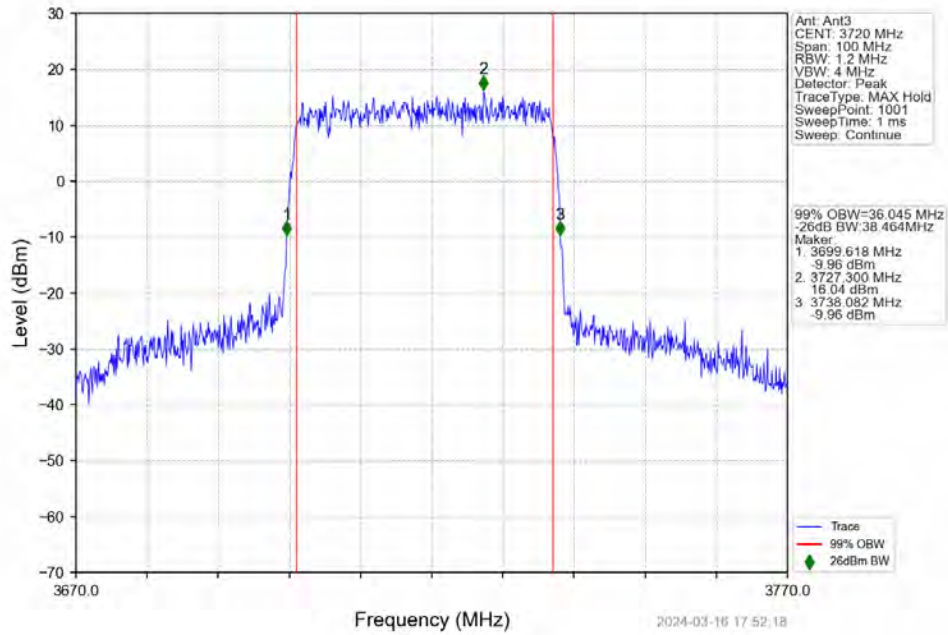
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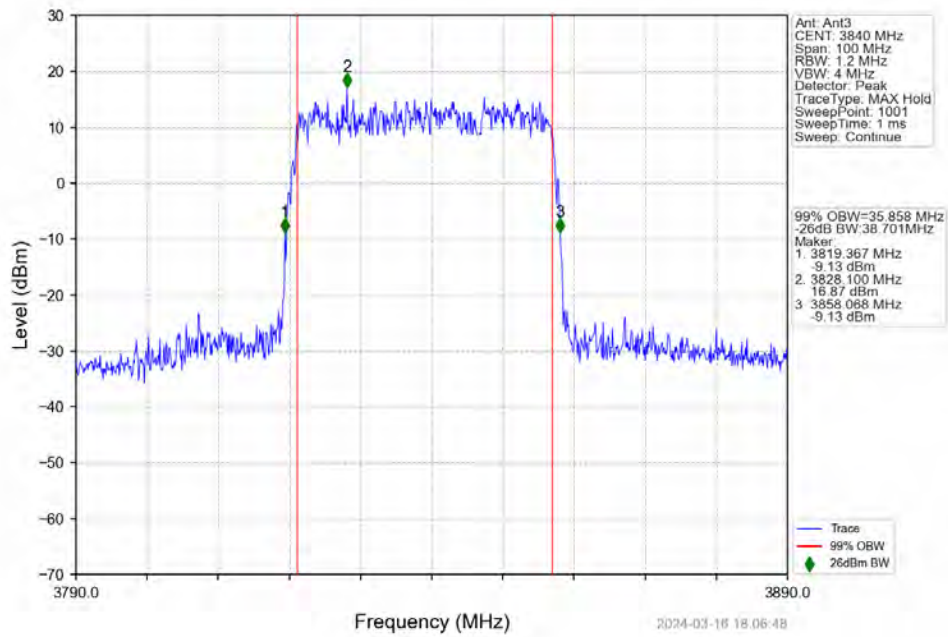
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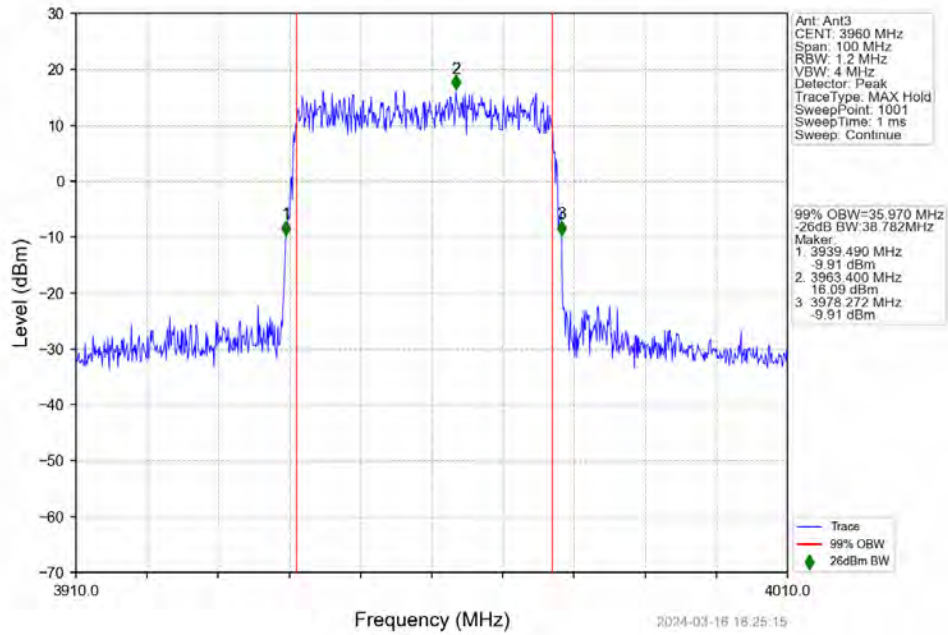
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3720MHz Outer Full



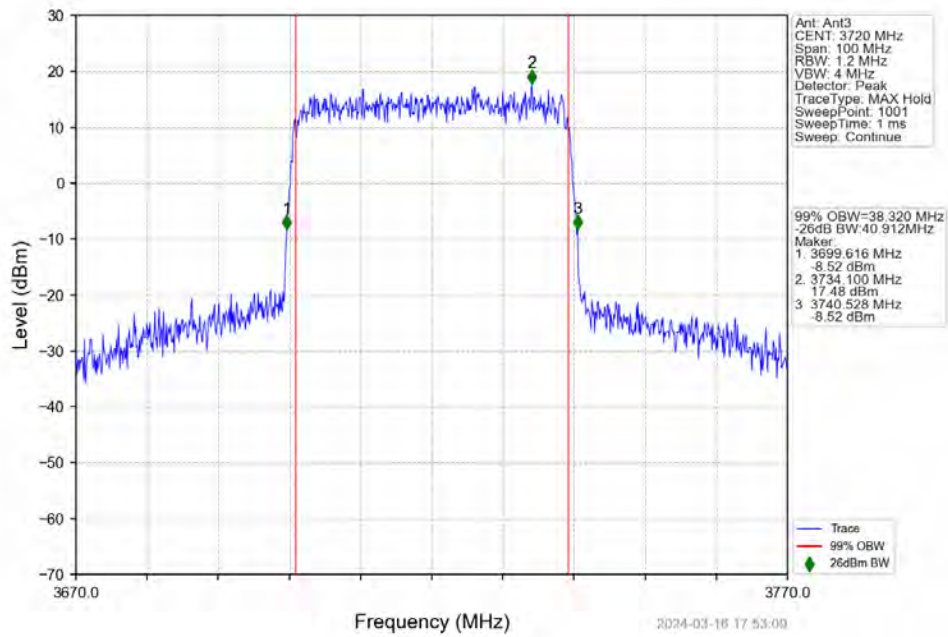
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3840MHz Outer Full



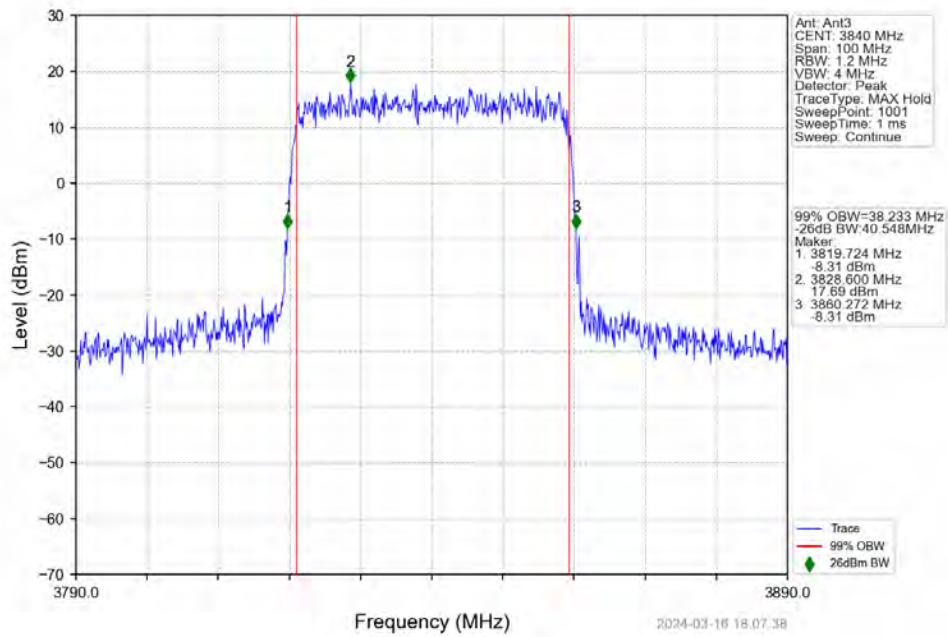
n77a 30kHz SISO NTN 40MHz DFT-s-OFDM 256 QAM 3960MHz Outer Full



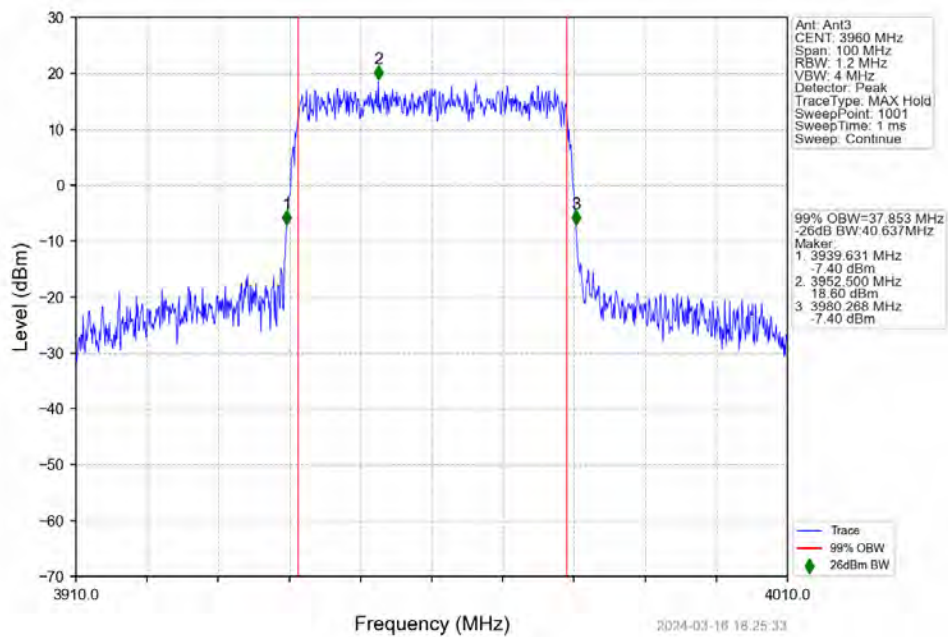
n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3720MHz Outer Full



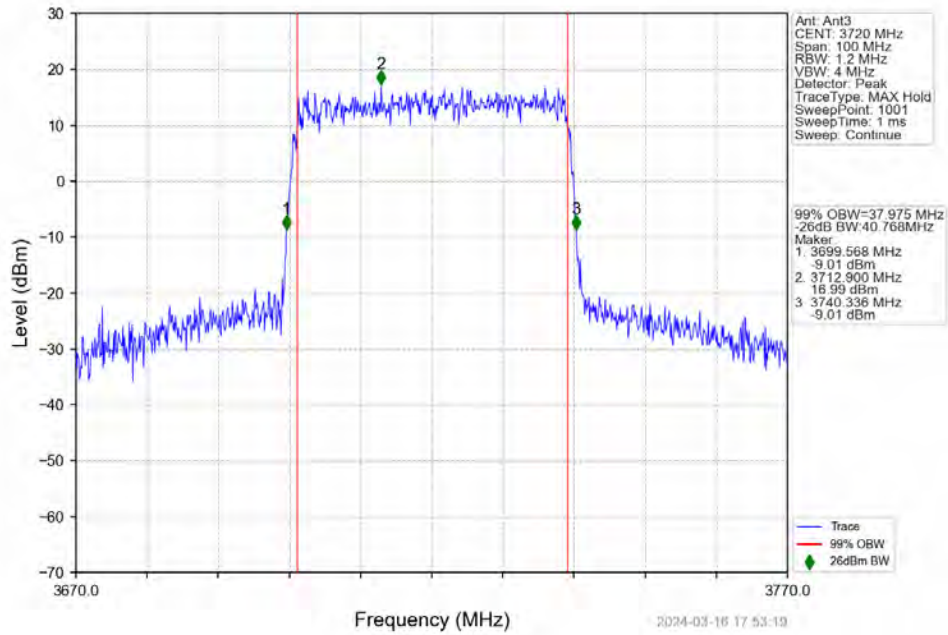
n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3840MHz Outer Full



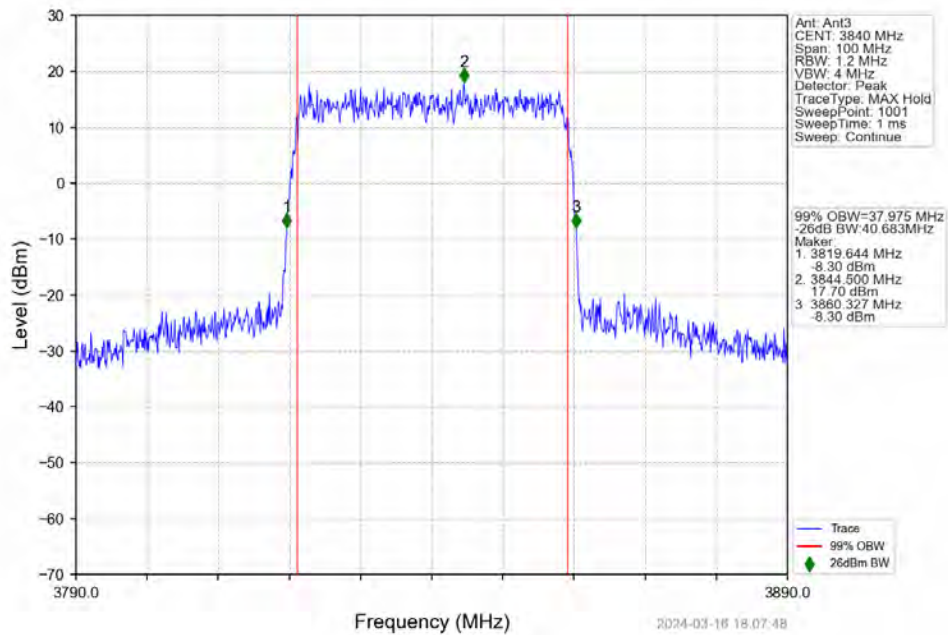
n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3960MHz Outer Full



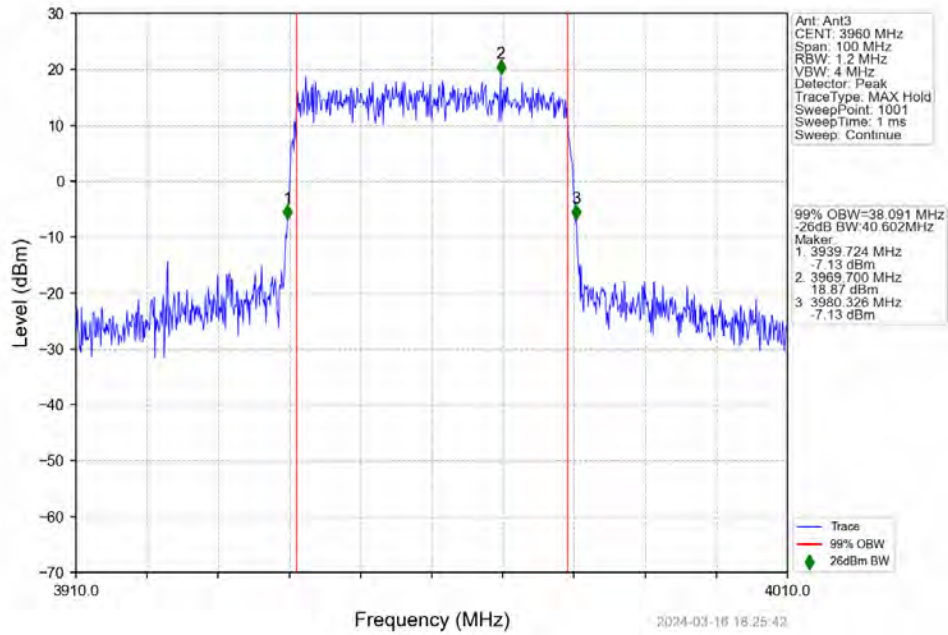
n77a 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3720MHz Outer Full



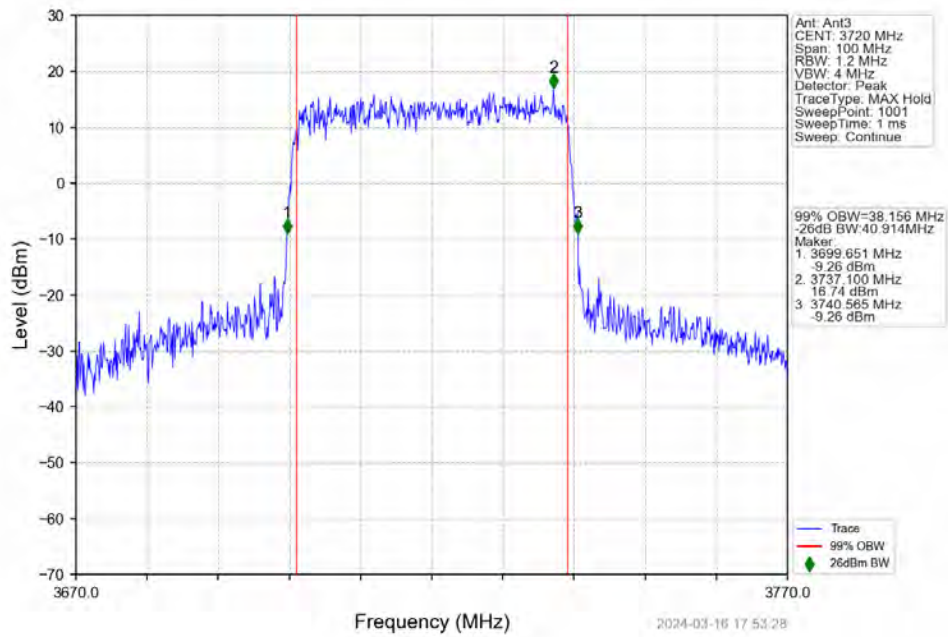
n77a 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3840MHz Outer Full



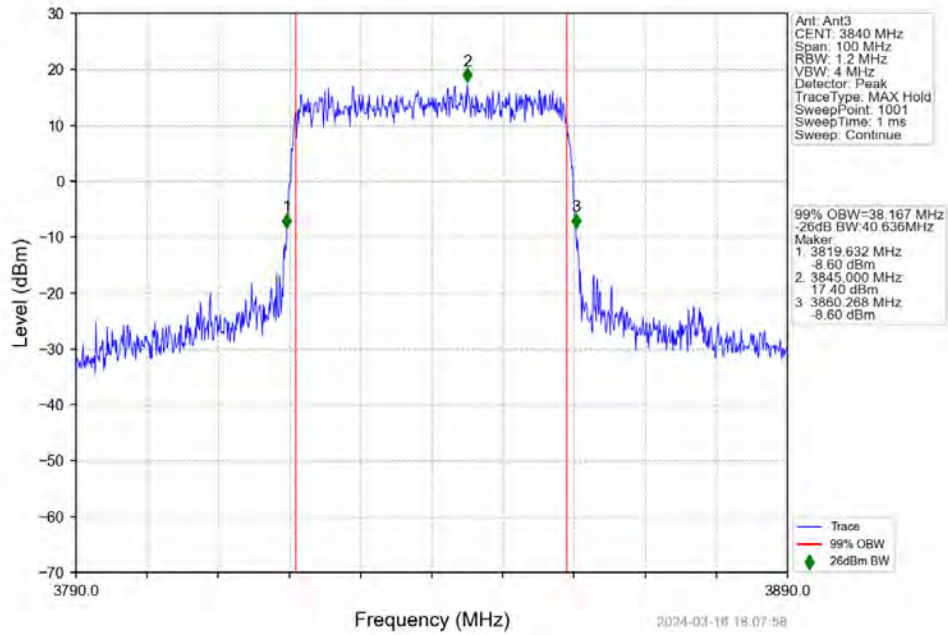
n77a 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3960MHz Outer Full



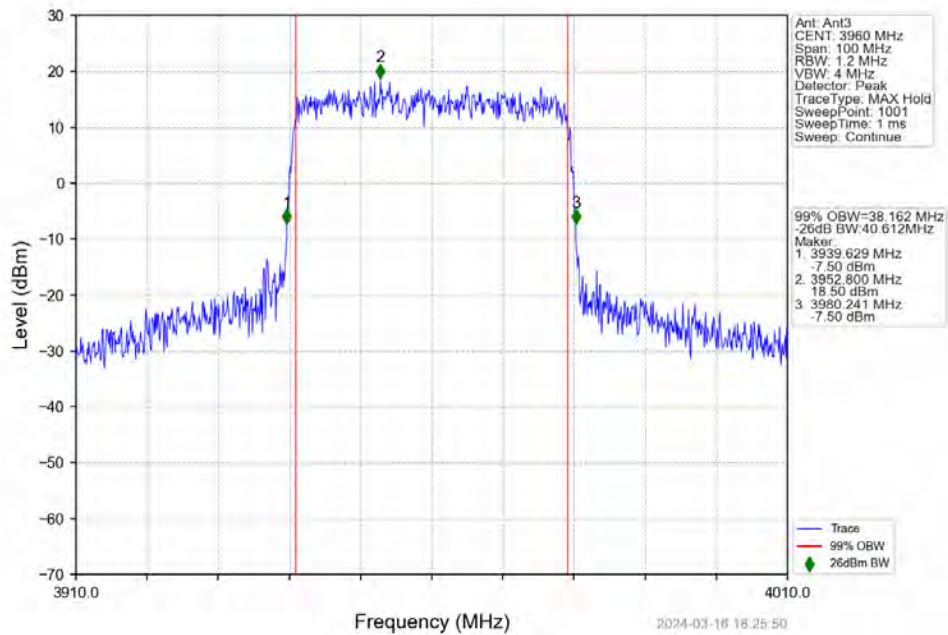
n77a 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3720MHz Outer Full



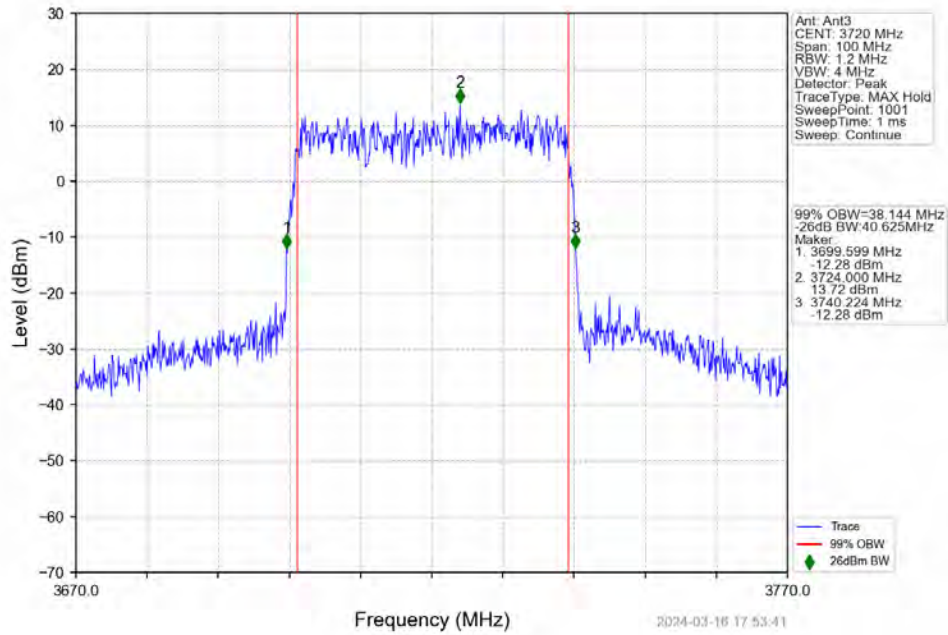
n77a 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3840MHz Outer Full



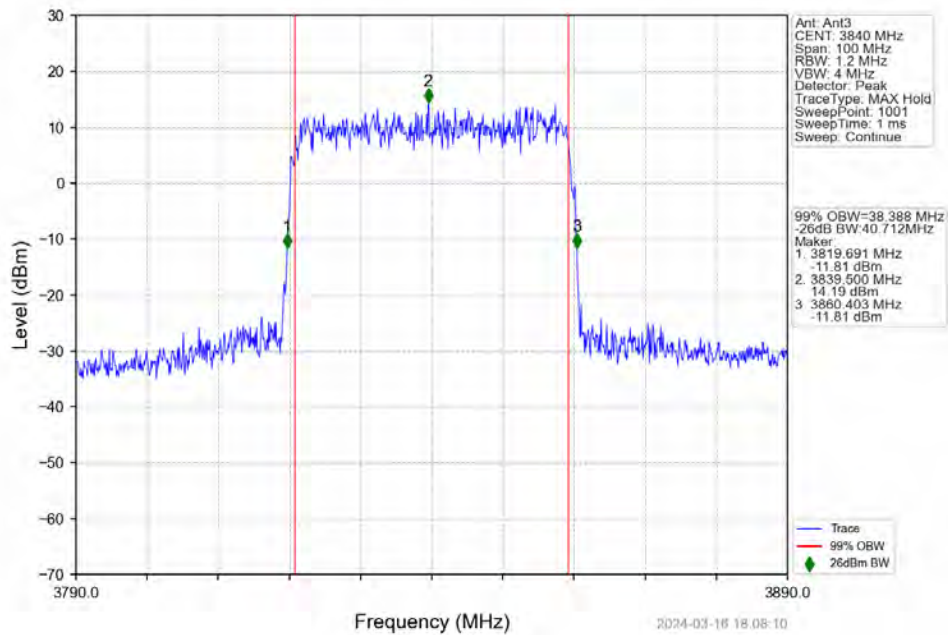
n77a 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3960MHz Outer Full



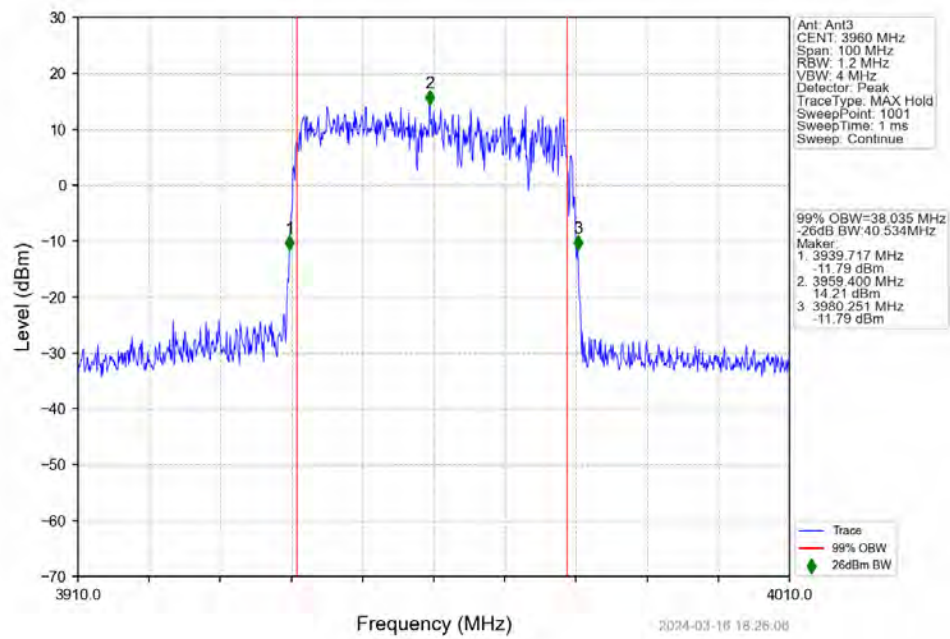
n77a 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3720MHz Outer Full



n77a 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3840MHz Outer Full



n77a 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3960MHz Outer Full

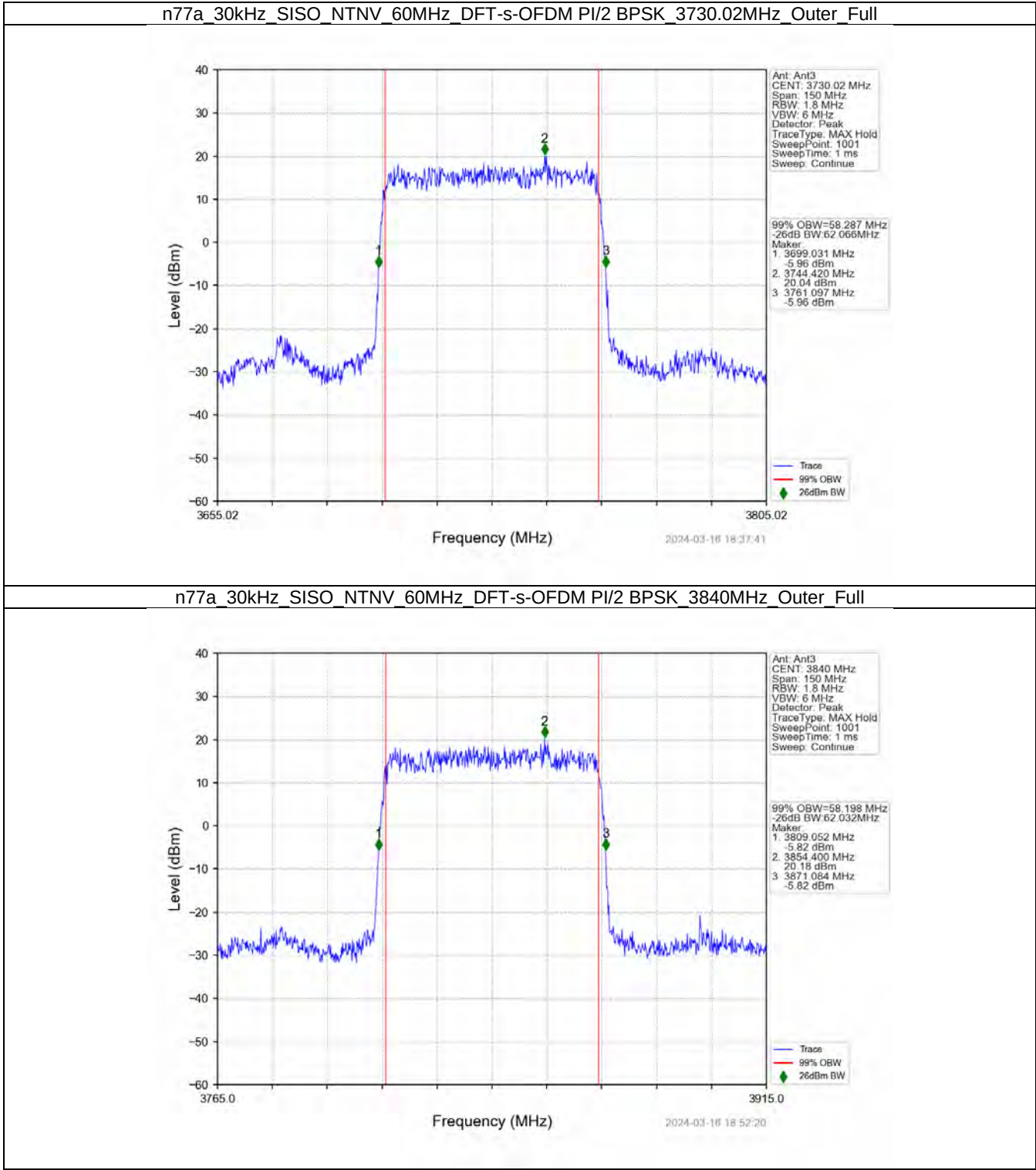


3.4 30k_SISO_60MHz_NTNV

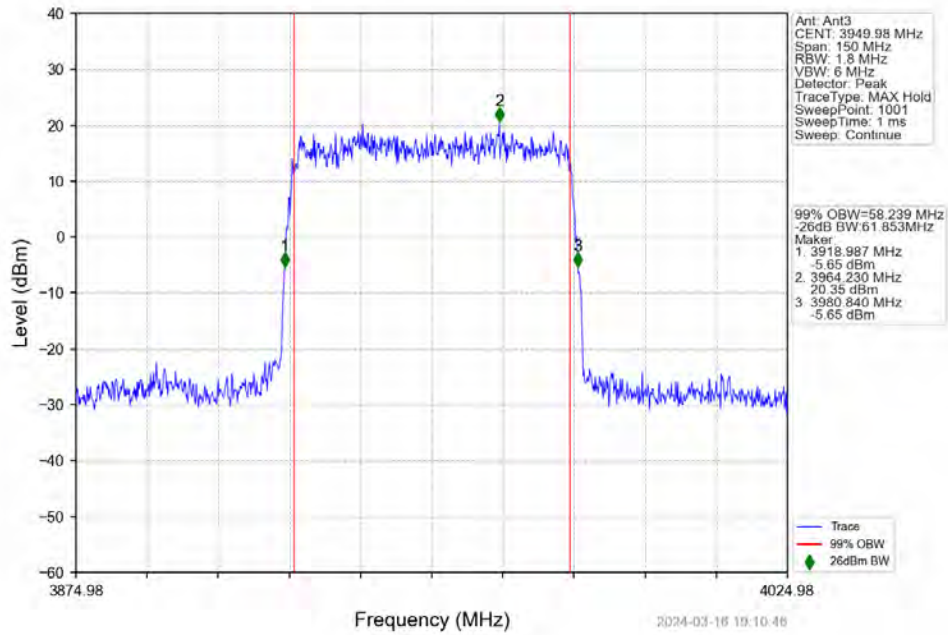
3.4.1 Test Result

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	3730.02	Outer_Full	58.29	62.07	/	Pass
	3840	Outer_Full	58.20	62.03	/	Pass
	3949.98	Outer_Full	58.24	61.85	/	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	58.37	62.10	/	Pass
	3840	Outer_Full	58.27	61.98	/	Pass
	3949.98	Outer_Full	58.39	62.07	/	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	57.97	61.76	/	Pass
	3840	Outer_Full	58.53	61.66	/	Pass
	3949.98	Outer_Full	58.04	62.29	/	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	57.99	61.66	/	Pass
	3840	Outer_Full	57.99	62.23	/	Pass
	3949.98	Outer_Full	58.14	62.36	/	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	58.21	62.03	/	Pass
	3840	Outer_Full	58.03	61.94	/	Pass
	3949.98	Outer_Full	57.94	61.93	/	Pass
CP-OFDM QPSK	3730.02	Outer_Full	58.11	61.83	/	Pass
	3840	Outer_Full	58.17	61.80	/	Pass
	3949.98	Outer_Full	57.98	61.87	/	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	58.15	61.95	/	Pass
	3840	Outer_Full	57.91	61.99	/	Pass
	3949.98	Outer_Full	58.00	61.81	/	Pass
CP-OFDM 64 QAM	3730.02	Outer_Full	58.24	61.89	/	Pass
	3840	Outer_Full	58.30	61.78	/	Pass
	3949.98	Outer_Full	58.21	62.16	/	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	58.20	61.83	/	Pass
	3840	Outer_Full	58.09	62.06	/	Pass
	3949.98	Outer_Full	58.19	62.22	/	Pass

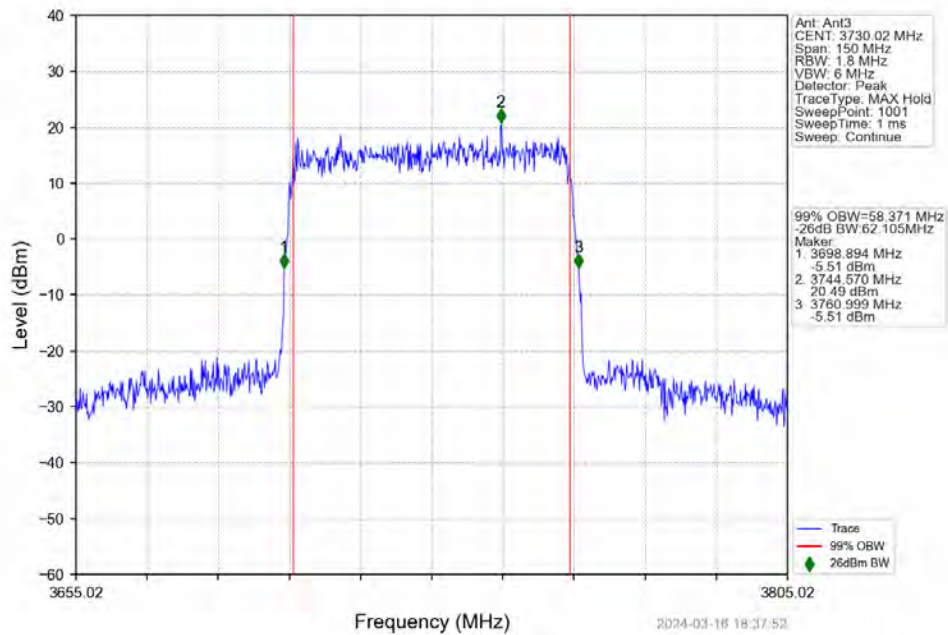
3.4.2 Test Graph



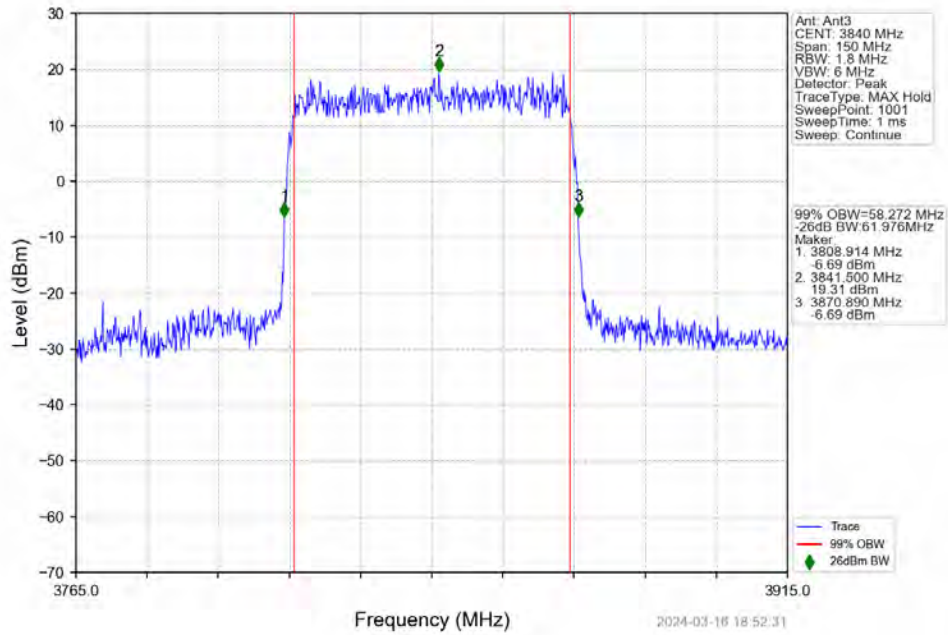
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM PI/2 BPSK 3949.98MHz Outer Full



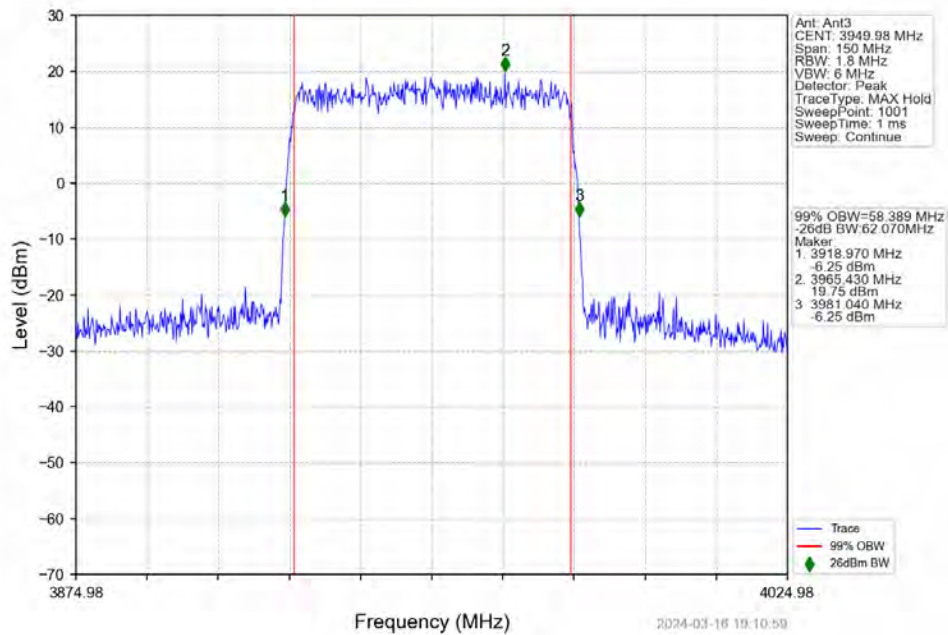
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3730.02MHz Outer Full



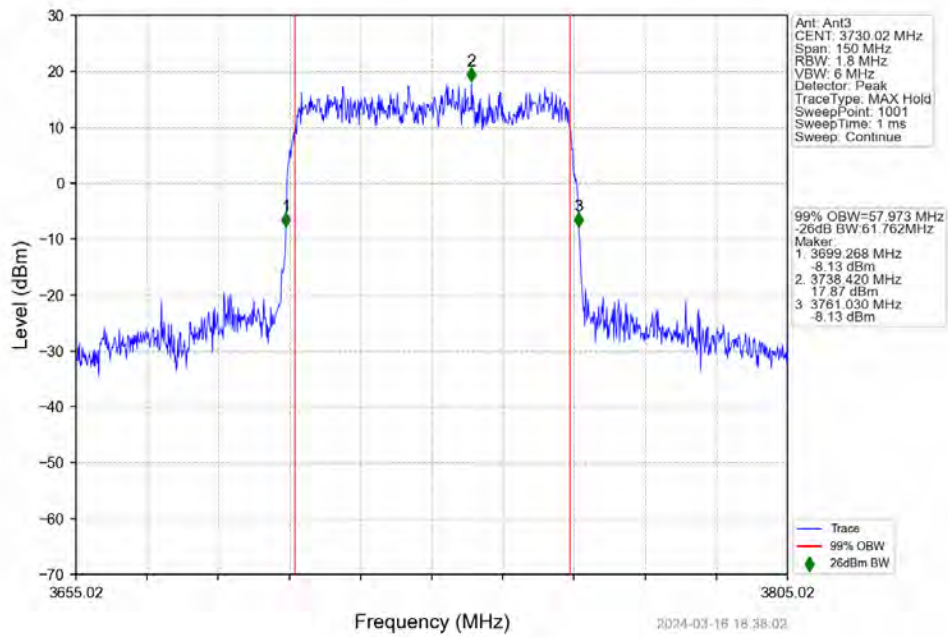
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3840MHz Outer Full



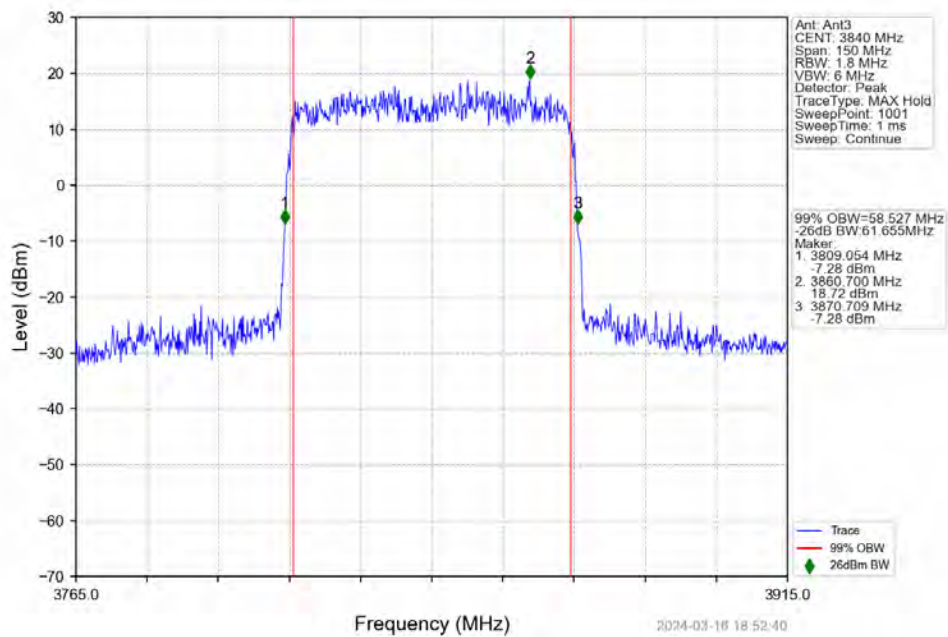
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3949.98MHz Outer Full



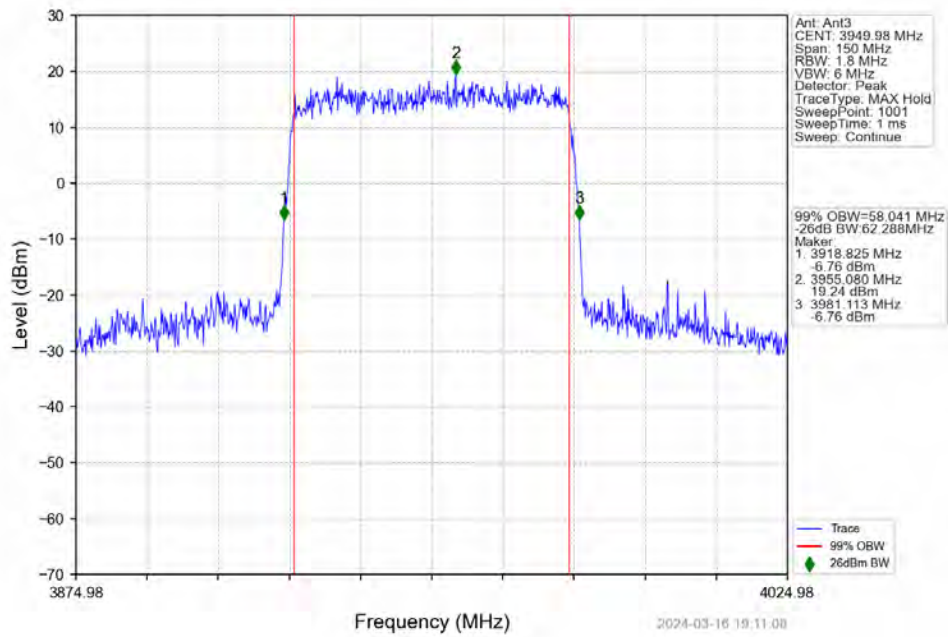
n77a 30kHz SISO NTN 60MHz DFT-s-OFDM 16 QAM 3730.02MHz Outer Full



n77a 30kHz SISO NTN 60MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full



n77a 30kHz SISO NTN 60MHz DFT-s-OFDM 16 QAM 3949.98MHz Outer Full



n77a 30kHz SISO NTN 60MHz DFT-s-OFDM 64 QAM 3730.02MHz Outer Full

