

1. Effective (Isotropic) Radiated Power Output Data

1.1 30k_20MHz_NTNV_EIRP

1.1.1 Test Result

5G NR n78a 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	22.08	21.80	/	22.48	22.3	/	<=30	Pass
		Edge_1RB_Right	22.08	21.76	/	22.48	22.26	/	<=30	Pass
		Outer_Full	25.24	24.66	/	25.64	25.16	/	<=30	Pass
		Inner_Full	25.69	25.24	/	26.09	25.74	/	<=30	Pass
		Inner_1RB_Left	25.50	25.31	/	25.90	25.81	/	<=30	Pass
		Inner_1RB_Right	25.56	25.26	/	25.96	25.76	/	<=30	Pass
	3750	Edge_1RB_Left	21.76	21.87	/	22.16	22.37	/	<=30	Pass
		Edge_1RB_Right	22.34	21.73	/	22.74	22.23	/	<=30	Pass
		Outer_Full	25.15	24.91	/	25.55	25.41	/	<=30	Pass
		Inner_Full	25.59	25.33	/	25.99	25.83	/	<=30	Pass
		Inner_1RB_Left	25.30	25.43	/	25.70	25.93	/	<=30	Pass
		Inner_1RB_Right	25.72	25.33	/	26.12	25.83	/	<=30	Pass
	3789.99	Edge_1RB_Left	21.70	21.59	/	22.10	22.09	/	<=30	Pass
		Edge_1RB_Right	21.57	21.60	/	21.97	22.1	/	<=30	Pass
		Outer_Full	24.59	24.61	/	24.99	25.11	/	<=30	Pass
		Inner_Full	25.04	25.11	/	25.44	25.61	/	<=30	Pass
		Inner_1RB_Left	25.09	25.24	/	25.49	25.74	/	<=30	Pass
		Inner_1RB_Right	25.17	25.06	/	25.57	25.56	/	<=30	Pass
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	21.81	21.71	/	22.21	22.21	/	<=30	Pass
		Edge_1RB_Right	21.88	21.69	/	22.28	22.19	/	<=30	Pass
		Outer_Full	24.61	24.25	/	25.01	24.75	/	<=30	Pass
		Inner_Full	25.57	25.22	/	25.97	25.72	/	<=30	Pass
		Inner_1RB_Left	25.44	25.20	/	25.84	25.7	/	<=30	Pass
		Inner_1RB_Right	25.39	25.27	/	25.79	25.77	/	<=30	Pass
	3750	Edge_1RB_Left	21.66	21.87	/	22.06	22.37	/	<=30	Pass
		Edge_1RB_Right	22.11	21.75	/	22.51	22.25	/	<=30	Pass
		Outer_Full	24.64	24.32	/	25.04	24.82	/	<=30	Pass
		Inner_Full	25.65	25.36	/	26.05	25.86	/	<=30	Pass
		Inner_1RB_Left	25.25	25.36	/	25.65	25.86	/	<=30	Pass
		Inner_1RB_Right	25.66	25.39	/	26.06	25.89	/	<=30	Pass
	3789.99	Edge_1RB_Left	21.58	21.72	/	21.98	22.22	/	<=30	Pass
		Edge_1RB_Right	21.70	21.52	/	22.10	22.02	/	<=30	Pass
		Outer_Full	24.08	24.12	/	24.48	24.62	/	<=30	Pass
		Inner_Full	25.03	25.07	/	25.43	25.57	/	<=30	Pass
		Inner_1RB_Left	25.07	25.33	/	25.47	25.83	/	<=30	Pass
		Inner_1RB_Right	25.20	25.12	/	25.60	25.62	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge_1RB_Left	21.96	21.81	/	22.36	22.31	/	<=30	Pass
		Edge_1RB_Right	21.82	21.62	/	22.22	22.12	/	<=30	Pass
		Outer_Full	23.51	23.29	/	23.91	23.79	/	<=30	Pass
		Inner_Full	24.62	24.20	/	25.02	24.7	/	<=30	Pass
		Inner_1RB_Left	24.27	24.34	/	24.67	24.84	/	<=30	Pass
		Inner_1RB_Right	24.37	24.37	/	24.77	24.87	/	<=30	Pass
	3750	Edge_1RB_Left	21.72	21.70	/	22.12	22.2	/	<=30	Pass
		Edge_1RB_Right	22.13	21.62	/	22.53	22.12	/	<=30	Pass
		Outer_Full	23.65	23.49	/	24.05	23.99	/	<=30	Pass
		Inner_Full	24.67	24.45	/	25.07	24.95	/	<=30	Pass
		Inner_1RB_Left	24.12	24.22	/	24.52	24.72	/	<=30	Pass
		Inner_1RB_Right	24.54	24.08	/	24.94	24.58	/	<=30	Pass
	3789.99	Edge_1RB_Left	21.51	21.62	/	21.91	22.12	/	<=30	Pass

		Edge 1RB Right	21.57	21.61	/	21.97	22.11	/	<=30	Pass
		Outer Full	23.09	23.15	/	23.49	23.65	/	<=30	Pass
		Inner Full	24.13	24.12	/	24.53	24.62	/	<=30	Pass
		Inner 1RB Left	23.88	24.18	/	24.28	24.68	/	<=30	Pass
		Inner 1RB Right	24.03	24.02	/	24.43	24.52	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge 1RB Left	22.16	21.80	/	22.56	22.3	/	<=30	Pass
		Edge 1RB Right	22.10	21.79	/	22.50	22.29	/	<=30	Pass
		Outer Full	23.22	22.88	/	23.62	23.38	/	<=30	Pass
		Inner Full	23.24	22.79	/	23.64	23.29	/	<=30	Pass
		Inner 1RB Left	23.19	22.89	/	23.59	23.39	/	<=30	Pass
		Inner 1RB Right	23.12	22.76	/	23.52	23.26	/	<=30	Pass
	3750	Edge 1RB Left	21.79	21.99	/	22.19	22.49	/	<=30	Pass
		Edge 1RB Right	22.46	21.77	/	22.86	22.27	/	<=30	Pass
		Outer Full	23.06	22.87	/	23.46	23.37	/	<=30	Pass
		Inner Full	23.16	22.92	/	23.56	23.42	/	<=30	Pass
		Inner 1RB Left	22.75	22.90	/	23.15	23.4	/	<=30	Pass
		Inner 1RB Right	23.23	22.84	/	23.63	23.34	/	<=30	Pass
	3789.99	Edge 1RB Left	21.74	21.66	/	22.14	22.16	/	<=30	Pass
		Edge 1RB Right	21.69	21.51	/	22.09	22.01	/	<=30	Pass
		Outer Full	22.57	22.62	/	22.97	23.12	/	<=30	Pass
		Inner Full	22.44	22.56	/	22.84	23.06	/	<=30	Pass
		Inner 1RB Left	22.72	22.66	/	23.12	23.16	/	<=30	Pass
		Inner 1RB Right	22.71	22.68	/	23.11	23.18	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge 1RB Left	21.14	20.72	/	21.54	21.22	/	<=30	Pass
		Edge 1RB Right	21.02	20.72	/	21.42	21.22	/	<=30	Pass
		Outer Full	21.19	20.69	/	21.59	21.19	/	<=30	Pass
		Inner Full	21.40	20.74	/	21.80	21.24	/	<=30	Pass
		Inner 1RB Left	21.12	20.68	/	21.52	21.18	/	<=30	Pass
		Inner 1RB Right	20.99	20.69	/	21.39	21.19	/	<=30	Pass
	3750	Edge 1RB Left	20.78	20.75	/	21.18	21.25	/	<=30	Pass
		Edge 1RB Right	21.21	20.68	/	21.61	21.18	/	<=30	Pass
		Outer Full	21.14	20.88	/	21.54	21.38	/	<=30	Pass
		Inner Full	21.08	20.87	/	21.48	21.37	/	<=30	Pass
		Inner 1RB Left	20.68	20.71	/	21.08	21.21	/	<=30	Pass
		Inner 1RB Right	21.24	20.80	/	21.64	21.3	/	<=30	Pass
	3789.99	Edge 1RB Left	20.61	20.57	/	21.01	21.07	/	<=30	Pass
		Edge 1RB Right	20.77	20.41	/	21.17	20.91	/	<=30	Pass
		Outer Full	20.74	20.63	/	21.14	21.13	/	<=30	Pass
		Inner Full	20.51	20.50	/	20.91	21	/	<=30	Pass
		Inner 1RB Left	20.71	20.50	/	21.11	21	/	<=30	Pass
		Inner 1RB Right	20.72	20.56	/	21.12	21.06	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge 1RB Left	22.15	21.81	/	22.55	22.31	/	<=30	Pass
		Edge 1RB Right	22.26	21.80	/	22.66	22.3	/	<=30	Pass
		Outer Full	22.70	22.32	/	23.10	22.82	/	<=30	Pass
		Inner Full	24.35	23.80	/	24.75	24.3	/	<=30	Pass
		Inner 1RB Left	24.24	23.87	/	24.64	24.37	/	<=30	Pass
		Inner 1RB Right	24.18	23.86	/	24.58	24.36	/	<=30	Pass
	3750	Edge 1RB Left	21.76	21.95	/	22.16	22.45	/	<=30	Pass
		Edge 1RB Right	22.36	21.91	/	22.76	22.41	/	<=30	Pass
		Outer Full	22.61	22.38	/	23.01	22.88	/	<=30	Pass
		Inner Full	24.15	23.86	/	24.55	24.36	/	<=30	Pass
		Inner 1RB Left	23.97	23.96	/	24.37	24.46	/	<=30	Pass
		Inner 1RB Right	24.37	24.11	/	24.77	24.61	/	<=30	Pass
	3789.99	Edge 1RB Left	21.80	21.69	/	22.20	22.19	/	<=30	Pass
		Edge 1RB Right	21.85	21.63	/	22.25	22.13	/	<=30	Pass
		Outer Full	22.11	22.10	/	22.51	22.6	/	<=30	Pass
		Inner Full	23.51	23.55	/	23.91	24.05	/	<=30	Pass
		Inner 1RB Left	23.71	23.77	/	24.11	24.27	/	<=30	Pass
		Inner 1RB Right	23.80	23.72	/	24.20	24.22	/	<=30	Pass

Note1: Antenna Gain: Ant7: 0.40dBi;
Note2: EIRP=Conducted Power+Antenna Gain

5G NR n78a 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	19.55	19.47	22.52	19.95	19.97	22.97	<=30	Pass
		Edge 1RB Right	19.11	19.52	22.33	19.51	20.02	22.78	<=30	Pass
		Outer Full	19.90	20.08	23.00	20.30	20.58	23.45	<=30	Pass
		Inner Full	21.43	21.54	24.49	21.83	22.04	24.95	<=30	Pass
		Inner 1RB Left	21.62	21.47	24.56	22.02	21.97	25.01	<=30	Pass
	3750	Inner 1RB Right	21.09	21.54	24.33	21.49	22.04	24.78	<=30	Pass
		Edge 1RB Left	19.17	19.36	22.28	19.57	19.86	22.73	<=30	Pass
		Edge 1RB Right	19.39	19.38	22.40	19.79	19.88	22.85	<=30	Pass
		Outer Full	19.97	19.87	22.93	20.37	20.37	23.38	<=30	Pass
		Inner Full	21.44	21.39	24.42	21.84	21.89	24.88	<=30	Pass
	3789.99	Inner 1RB Left	21.21	21.32	24.28	21.61	21.82	24.73	<=30	Pass
		Inner 1RB Right	21.48	21.41	24.46	21.88	21.91	24.91	<=30	Pass
		Edge 1RB Left	17.52	18.55	21.07	17.92	19.05	21.53	<=30	Pass
		Edge 1RB Right	17.89	18.44	21.18	18.29	18.94	21.64	<=30	Pass
		Outer Full	18.21	18.87	21.56	18.61	19.37	22.02	<=30	Pass
CP-OFDM 16 QAM	3710.01	Inner Full	19.52	20.35	22.96	19.92	20.85	23.42	<=30	Pass
		Inner 1RB Left	19.56	20.47	23.05	19.96	20.97	23.50	<=30	Pass
		Inner 1RB Right	19.81	20.45	23.15	20.21	20.95	23.61	<=30	Pass
	3750	Edge 1RB Left	19.56	19.43	22.51	19.96	19.93	22.96	<=30	Pass
		Edge 1RB Right	19.26	19.50	22.39	19.66	20.00	22.84	<=30	Pass
		Outer Full	19.94	20.03	23.00	20.34	20.53	23.45	<=30	Pass
		Inner Full	21.00	21.09	24.05	21.40	21.59	24.51	<=30	Pass
	3789.99	Inner 1RB Left	21.20	20.94	24.08	21.60	21.44	24.53	<=30	Pass
		Inner 1RB Right	20.61	21.03	23.83	21.01	21.53	24.29	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge 1RB Left	19.19	19.29	22.25	19.59	19.79	22.70	<=30	Pass
		Edge 1RB Right	19.31	19.31	22.32	19.71	19.81	22.77	<=30	Pass
		Outer Full	20.02	19.89	22.97	20.42	20.39	23.42	<=30	Pass
		Inner Full	21.00	20.92	23.97	21.40	21.42	24.42	<=30	Pass
		Inner 1RB Left	20.83	20.79	23.82	21.23	21.29	24.27	<=30	Pass
	3750	Inner 1RB Right	21.11	20.88	24.00	21.51	21.38	24.46	<=30	Pass
		Edge 1RB Left	17.55	18.38	20.99	17.95	18.88	21.45	<=30	Pass
		Edge 1RB Right	17.79	18.38	21.11	18.19	18.88	21.56	<=30	Pass
		Outer Full	18.20	18.88	21.56	18.60	19.38	22.02	<=30	Pass
		Inner Full	19.17	19.98	22.61	19.57	20.48	23.06	<=30	Pass
	3789.99	Inner 1RB Left	19.01	19.90	22.49	19.41	20.40	22.94	<=30	Pass
		Inner 1RB Right	19.62	19.93	22.79	20.02	20.43	23.24	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge 1RB Left	19.43	19.50	22.48	19.83	20.00	22.93	<=30	Pass
		Edge 1RB Right	18.95	19.52	22.25	19.35	20.02	22.71	<=30	Pass
		Outer Full	19.44	19.59	22.53	19.84	20.09	22.98	<=30	Pass
		Inner Full	19.47	19.51	22.50	19.87	20.01	22.95	<=30	Pass
		Inner 1RB Left	19.64	19.50	22.58	20.04	20.00	23.03	<=30	Pass
	3750	Inner 1RB Right	19.14	19.62	22.40	19.54	20.12	22.85	<=30	Pass
		Edge 1RB Left	19.14	19.39	22.28	19.54	19.89	22.73	<=30	Pass
		Edge 1RB Right	19.37	19.42	22.41	19.77	19.92	22.86	<=30	Pass
		Outer Full	19.45	19.38	22.42	19.85	19.88	22.88	<=30	Pass
		Inner Full	19.49	19.34	22.43	19.89	19.84	22.88	<=30	Pass
	3789.99	Inner 1RB Left	19.19	19.34	22.28	19.59	19.84	22.73	<=30	Pass
		Inner 1RB Right	19.36	19.40	22.39	19.76	19.90	22.84	<=30	Pass
		Edge 1RB Left	17.53	18.59	21.10	17.93	19.09	21.56	<=30	Pass
		Edge 1RB Right	17.88	18.52	21.22	18.28	19.02	21.68	<=30	Pass
		Outer Full	17.71	18.38	21.07	18.11	18.88	21.52	<=30	Pass
CP-OFDM 256 QAM	3710.01	Inner Full	17.57	18.30	20.96	17.97	18.80	21.42	<=30	Pass
		Inner 1RB Left	17.59	18.40	21.02	17.99	18.90	21.48	<=30	Pass
		Inner 1RB Right	17.83	18.42	21.15	18.23	18.92	21.60	<=30	Pass
		Edge 1RB Left	16.58	16.74	19.67	16.98	17.24	20.12	<=30	Pass
		Edge 1RB Right	16.04	16.64	19.36	16.44	17.14	19.81	<=30	Pass

		Outer_Full	16.44	16.62	19.54	16.84	17.12	19.99	<=30	Pass
		Inner_Full	16.71	16.54	19.64	17.11	17.04	20.09	<=30	Pass
		Inner_1RB_Left	16.43	16.75	19.60	16.83	17.25	20.06	<=30	Pass
		Inner_1RB_Right	16.11	16.85	19.50	16.51	17.35	19.96	<=30	Pass
	3750	Edge_1RB_Left	16.38	16.29	19.34	16.78	16.79	19.80	<=30	Pass
		Edge_1RB_Right	16.64	16.22	19.44	17.04	16.72	19.89	<=30	Pass
		Outer_Full	16.54	16.41	19.48	16.94	16.91	19.94	<=30	Pass
		Inner_Full	16.51	16.45	19.49	16.91	16.95	19.94	<=30	Pass
	3789.99	Inner_1RB_Left	16.45	16.21	19.34	16.85	16.71	19.79	<=30	Pass
		Inner_1RB_Right	16.69	16.32	19.52	17.09	16.82	19.97	<=30	Pass
		Edge_1RB_Left	15.66	16.56	19.14	16.06	17.06	19.60	<=30	Pass
		Edge_1RB_Right	15.98	16.64	19.33	16.38	17.14	19.79	<=30	Pass
		Outer_Full	15.83	16.53	19.20	16.23	17.03	19.66	<=30	Pass
		Inner_Full	15.82	16.44	19.15	16.22	16.94	19.61	<=30	Pass
		Inner_1RB_Left	15.63	16.43	19.06	16.03	16.93	19.51	<=30	Pass
		Inner_1RB_Right	15.90	16.79	19.38	16.30	17.29	19.83	<=30	Pass

Note1: Antenna Gain: Ant3: 0.40dBi; Ant7: 0.50dBi;
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 n78a 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	21.93	21.65	/	22.33	22.15	/	<=30	Pass
		Edge_1RB_Right	21.55	21.82	/	21.95	22.32	/	<=30	Pass
		Outer_Full	25.02	24.72	/	25.42	25.22	/	<=30	Pass
		Inner_Full	25.59	25.27	/	25.99	25.77	/	<=30	Pass
		Inner_1RB_Left	25.49	25.26	/	25.89	25.76	/	<=30	Pass
		Inner_1RB_Right	24.99	25.35	/	25.39	25.85	/	<=30	Pass
	3750	Edge_1RB_Left	21.71	21.88	/	22.11	22.38	/	<=30	Pass
		Edge_1RB_Right	22.27	21.68	/	22.67	22.18	/	<=30	Pass
		Outer_Full	25.14	24.79	/	25.54	25.29	/	<=30	Pass
		Inner_Full	25.57	25.30	/	25.97	25.8	/	<=30	Pass
		Inner_1RB_Left	25.12	25.42	/	25.52	25.92	/	<=30	Pass
		Inner_1RB_Right	25.69	25.31	/	26.09	25.81	/	<=30	Pass
	3784.98	Edge_1RB_Left	22.12	21.67	/	22.52	22.17	/	<=30	Pass
		Edge_1RB_Right	21.73	21.45	/	22.13	21.95	/	<=30	Pass
		Outer_Full	24.66	24.52	/	25.06	25.02	/	<=30	Pass
		Inner_Full	25.06	25.02	/	25.46	25.52	/	<=30	Pass
		Inner_1RB_Left	25.60	25.14	/	26.00	25.64	/	<=30	Pass
		Inner_1RB_Right	25.22	24.95	/	25.62	25.45	/	<=30	Pass
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Left	21.93	21.83	/	22.33	22.33	/	<=30	Pass
		Edge_1RB_Right	21.46	21.74	/	21.86	22.24	/	<=30	Pass
		Outer_Full	24.49	24.23	/	24.89	24.73	/	<=30	Pass
		Inner_Full	25.53	25.21	/	25.93	25.71	/	<=30	Pass
		Inner_1RB_Left	25.53	25.25	/	25.93	25.75	/	<=30	Pass
		Inner_1RB_Right	24.98	25.29	/	25.38	25.79	/	<=30	Pass
	3750	Edge_1RB_Left	21.67	21.70	/	22.07	22.2	/	<=30	Pass
		Edge_1RB_Right	22.32	21.77	/	22.72	22.27	/	<=30	Pass
		Outer_Full	24.54	24.36	/	24.94	24.86	/	<=30	Pass
		Inner_Full	25.56	25.33	/	25.96	25.83	/	<=30	Pass
		Inner_1RB_Left	25.18	25.27	/	25.58	25.77	/	<=30	Pass
		Inner_1RB_Right	25.72	25.22	/	26.12	25.72	/	<=30	Pass

	3784.98	Edge_1RB_Left	22.07	21.57	/	22.47	22.07	/	<=30	Pass
		Edge_1RB_Right	21.68	21.41	/	22.08	21.91	/	<=30	Pass
		Outer_Full	24.23	24.00	/	24.63	24.5	/	<=30	Pass
		Inner_Full	25.15	24.98	/	25.55	25.48	/	<=30	Pass
		Inner_1RB_Left	25.54	25.15	/	25.94	25.65	/	<=30	Pass
		Inner_1RB_Right	25.21	24.95	/	25.61	25.45	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.02	Edge_1RB_Left	21.97	21.68	/	22.37	22.18	/	<=30	Pass
		Edge_1RB_Right	21.30	21.72	/	21.70	22.22	/	<=30	Pass
		Outer_Full	23.64	23.20	/	24.04	23.7	/	<=30	Pass
		Inner_Full	24.54	24.23	/	24.94	24.73	/	<=30	Pass
		Inner_1RB_Left	24.34	24.09	/	24.74	24.59	/	<=30	Pass
		Inner_1RB_Right	23.87	24.25	/	24.27	24.75	/	<=30	Pass
	3750	Edge_1RB_Left	21.59	21.80	/	21.99	22.3	/	<=30	Pass
		Edge_1RB_Right	22.26	21.57	/	22.66	22.07	/	<=30	Pass
		Outer_Full	23.66	23.38	/	24.06	23.88	/	<=30	Pass
		Inner_Full	24.49	24.31	/	24.89	24.81	/	<=30	Pass
		Inner_1RB_Left	23.89	24.20	/	24.29	24.7	/	<=30	Pass
		Inner_1RB_Right	24.59	24.12	/	24.99	24.62	/	<=30	Pass
	3784.98	Edge_1RB_Left	22.08	21.59	/	22.48	22.09	/	<=30	Pass
		Edge_1RB_Right	21.53	21.39	/	21.93	21.89	/	<=30	Pass
		Outer_Full	23.30	23.09	/	23.70	23.59	/	<=30	Pass
		Inner_Full	24.15	23.98	/	24.55	24.48	/	<=30	Pass
		Inner_1RB_Left	24.46	24.16	/	24.86	24.66	/	<=30	Pass
		Inner_1RB_Right	24.20	23.93	/	24.60	24.43	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.02	Edge_1RB_Left	22.16	21.79	/	22.56	22.29	/	<=30	Pass
		Edge_1RB_Right	21.63	21.86	/	22.03	22.36	/	<=30	Pass
		Outer_Full	23.09	22.77	/	23.49	23.27	/	<=30	Pass
		Inner_Full	23.11	22.72	/	23.51	23.22	/	<=30	Pass
		Inner_1RB_Left	23.06	22.84	/	23.46	23.34	/	<=30	Pass
		Inner_1RB_Right	22.57	22.86	/	22.97	23.36	/	<=30	Pass
	3750	Edge_1RB_Left	21.80	21.92	/	22.20	22.42	/	<=30	Pass
		Edge_1RB_Right	22.34	21.70	/	22.74	22.2	/	<=30	Pass
		Outer_Full	23.15	22.87	/	23.55	23.37	/	<=30	Pass
		Inner_Full	23.18	22.82	/	23.58	23.32	/	<=30	Pass
		Inner_1RB_Left	22.61	22.91	/	23.01	23.41	/	<=30	Pass
		Inner_1RB_Right	23.26	22.78	/	23.66	23.28	/	<=30	Pass
	3784.98	Edge_1RB_Left	22.21	21.74	/	22.61	22.24	/	<=30	Pass
		Edge_1RB_Right	21.83	21.52	/	22.23	22.02	/	<=30	Pass
		Outer_Full	22.79	22.57	/	23.19	23.07	/	<=30	Pass
		Inner_Full	22.71	22.58	/	23.11	23.08	/	<=30	Pass
		Inner_1RB_Left	23.12	22.67	/	23.52	23.17	/	<=30	Pass
		Inner_1RB_Right	22.76	22.50	/	23.16	23	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Edge_1RB_Left	21.08	20.64	/	21.48	21.14	/	<=30	Pass
		Edge_1RB_Right	20.71	20.80	/	21.11	21.3	/	<=30	Pass
		Outer_Full	20.98	20.72	/	21.38	21.22	/	<=30	Pass
		Inner_Full	21.02	20.60	/	21.42	21.1	/	<=30	Pass
		Inner_1RB_Left	20.91	20.62	/	21.31	21.12	/	<=30	Pass
		Inner_1RB_Right	20.53	20.80	/	20.93	21.3	/	<=30	Pass
	3750	Edge_1RB_Left	20.66	20.78	/	21.06	21.28	/	<=30	Pass
		Edge_1RB_Right	21.28	20.67	/	21.68	21.17	/	<=30	Pass
		Outer_Full	21.04	20.83	/	21.44	21.33	/	<=30	Pass
		Inner_Full	20.99	20.64	/	21.39	21.14	/	<=30	Pass
		Inner_1RB_Left	20.65	20.98	/	21.05	21.48	/	<=30	Pass
		Inner_1RB_Right	21.20	20.62	/	21.60	21.12	/	<=30	Pass
	3784.98	Edge_1RB_Left	21.11	20.71	/	21.51	21.21	/	<=30	Pass
		Edge_1RB_Right	20.68	20.47	/	21.08	20.97	/	<=30	Pass
		Outer_Full	20.70	20.43	/	21.10	20.93	/	<=30	Pass
		Inner_Full	20.62	20.47	/	21.02	20.97	/	<=30	Pass
		Inner_1RB_Left	21.21	20.58	/	21.61	21.08	/	<=30	Pass

		Inner 1RB Right	20.65	20.48	/	21.05	20.98	/	<=30	Pass
CP-OFDM QPSK	3715.02	Edge 1RB Left	22.11	21.86	/	22.51	22.36	/	<=30	Pass
		Edge 1RB Right	21.80	21.83	/	22.20	22.33	/	<=30	Pass
		Outer Full	22.48	22.18	/	22.88	22.68	/	<=30	Pass
		Inner Full	24.12	23.66	/	24.52	24.16	/	<=30	Pass
		Inner 1RB Left	24.09	23.62	/	24.49	24.12	/	<=30	Pass
		Inner 1RB Right	23.53	23.81	/	23.93	24.31	/	<=30	Pass
	3750	Edge 1RB Left	21.75	21.97	/	22.15	22.47	/	<=30	Pass
		Edge 1RB Right	22.37	21.85	/	22.77	22.35	/	<=30	Pass
		Outer Full	22.56	22.38	/	22.96	22.88	/	<=30	Pass
		Inner Full	24.09	23.84	/	24.49	24.34	/	<=30	Pass
		Inner 1RB Left	23.66	23.93	/	24.06	24.43	/	<=30	Pass
		Inner 1RB Right	24.32	23.71	/	24.72	24.21	/	<=30	Pass
	3784.98	Edge 1RB Left	22.15	21.68	/	22.55	22.18	/	<=30	Pass
		Edge 1RB Right	21.70	21.49	/	22.10	21.99	/	<=30	Pass
		Outer Full	22.21	22.04	/	22.61	22.54	/	<=30	Pass
		Inner Full	23.57	23.53	/	23.97	24.03	/	<=30	Pass
		Inner 1RB Left	24.11	23.74	/	24.51	24.24	/	<=30	Pass
		Inner 1RB Right	23.78	23.63	/	24.18	24.13	/	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge 1RB Left	22.00	21.61	/	22.40	22.11	/	<=30	Pass
		Edge 1RB Right	21.40	21.84	/	21.80	22.34	/	<=30	Pass
		Outer Full	22.52	22.25	/	22.92	22.75	/	<=30	Pass
		Inner Full	23.55	23.21	/	23.95	23.71	/	<=30	Pass
		Inner 1RB Left	23.39	23.22	/	23.79	23.72	/	<=30	Pass
		Inner 1RB Right	22.99	23.31	/	23.39	23.81	/	<=30	Pass
	3750	Edge 1RB Left	21.62	21.87	/	22.02	22.37	/	<=30	Pass
		Edge 1RB Right	22.36	21.67	/	22.76	22.17	/	<=30	Pass
		Outer Full	22.62	22.32	/	23.02	22.82	/	<=30	Pass
		Inner Full	23.59	23.29	/	23.99	23.79	/	<=30	Pass
		Inner 1RB Left	23.07	23.36	/	23.47	23.86	/	<=30	Pass
		Inner 1RB Right	23.64	23.22	/	24.04	23.72	/	<=30	Pass
	3784.98	Edge 1RB Left	22.08	21.42	/	22.48	21.92	/	<=30	Pass
		Edge 1RB Right	21.69	21.28	/	22.09	21.78	/	<=30	Pass
		Outer Full	22.22	22.11	/	22.62	22.61	/	<=30	Pass
		Inner Full	23.09	22.98	/	23.49	23.48	/	<=30	Pass
		Inner 1RB Left	23.54	23.05	/	23.94	23.55	/	<=30	Pass
		Inner 1RB Right	23.09	22.83	/	23.49	23.33	/	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge 1RB Left	22.11	21.64	/	22.51	22.14	/	<=30	Pass
		Edge 1RB Right	21.56	21.82	/	21.96	22.32	/	<=30	Pass
		Outer Full	22.01	21.75	/	22.41	22.25	/	<=30	Pass
		Inner Full	22.04	21.68	/	22.44	22.18	/	<=30	Pass
		Inner 1RB Left	22.17	21.74	/	22.57	22.24	/	<=30	Pass
		Inner 1RB Right	21.60	21.84	/	22.00	22.34	/	<=30	Pass
	3750	Edge 1RB Left	21.77	21.86	/	22.17	22.36	/	<=30	Pass
		Edge 1RB Right	22.35	21.73	/	22.75	22.23	/	<=30	Pass
		Outer Full	22.17	21.92	/	22.57	22.42	/	<=30	Pass
		Inner Full	22.07	21.81	/	22.47	22.31	/	<=30	Pass
		Inner 1RB Left	21.74	21.90	/	22.14	22.4	/	<=30	Pass
		Inner 1RB Right	22.28	21.78	/	22.68	22.28	/	<=30	Pass
	3784.98	Edge 1RB Left	22.13	21.67	/	22.53	22.17	/	<=30	Pass
		Edge 1RB Right	21.83	21.42	/	22.23	21.92	/	<=30	Pass
		Outer Full	21.77	21.51	/	22.17	22.01	/	<=30	Pass
		Inner Full	21.59	21.55	/	21.99	22.05	/	<=30	Pass
		Inner 1RB Left	22.19	21.73	/	22.59	22.23	/	<=30	Pass
		Inner 1RB Right	21.88	21.39	/	22.28	21.89	/	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge 1RB Left	19.10	18.76	/	19.50	19.26	/	<=30	Pass
		Edge 1RB Right	18.49	18.90	/	18.89	19.4	/	<=30	Pass
		Outer Full	19.06	18.67	/	19.46	19.17	/	<=30	Pass
		Inner Full	19.11	18.58	/	19.51	19.08	/	<=30	Pass

		Inner_1RB_Left	19.08	18.82	/	19.48	19.32	/	<=30	Pass
		Inner_1RB_Right	18.52	18.80	/	18.92	19.3	/	<=30	Pass
	3750	Edge_1RB_Left	18.61	18.90	/	19.01	19.4	/	<=30	Pass
		Edge_1RB_Right	19.23	18.61	/	19.63	19.11	/	<=30	Pass
		Outer_Full	19.11	18.79	/	19.51	19.29	/	<=30	Pass
		Inner_Full	18.98	18.72	/	19.38	19.22	/	<=30	Pass
		Inner_1RB_Left	18.55	18.89	/	18.95	19.39	/	<=30	Pass
		Inner_1RB_Right	19.16	18.73	/	19.56	19.23	/	<=30	Pass
	3784.98	Edge_1RB_Left	19.23	18.61	/	19.63	19.11	/	<=30	Pass
		Edge_1RB_Right	18.73	18.54	/	19.13	19.04	/	<=30	Pass
		Outer_Full	18.67	18.49	/	19.07	18.99	/	<=30	Pass
		Inner_Full	18.56	18.50	/	18.96	19	/	<=30	Pass
		Inner_1RB_Left	19.05	18.60	/	19.45	19.1	/	<=30	Pass
		Inner_1RB_Right	18.78	18.45	/	19.18	18.95	/	<=30	Pass
Note1: Antenna Gain: Ant7: 0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n78a 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	19.56	19.66	22.62	19.96	20.16	23.07	<=30	Pass
		Edge_1RB_Right	18.79	19.35	22.09	19.19	19.85	22.54	<=30	Pass
		Outer_Full	19.61	19.97	22.80	20.01	20.47	23.26	<=30	Pass
		Inner_Full	21.09	21.49	24.31	21.49	21.99	24.76	<=30	Pass
		Inner_1RB_Left	21.59	21.36	24.48	21.99	21.86	24.94	<=30	Pass
		Inner_1RB_Right	20.96	21.34	24.16	21.36	21.84	24.62	<=30	Pass
	3750	Edge_1RB_Left	19.11	19.35	22.24	19.51	19.85	22.69	<=30	Pass
		Edge_1RB_Right	19.30	19.33	22.32	19.70	19.83	22.78	<=30	Pass
		Outer_Full	19.82	19.89	22.87	20.22	20.39	23.32	<=30	Pass
		Inner_Full	21.40	21.29	24.36	21.80	21.79	24.81	<=30	Pass
		Inner_1RB_Left	20.93	21.43	24.20	21.33	21.93	24.65	<=30	Pass
		Inner_1RB_Right	21.27	21.52	24.41	21.67	22.02	24.86	<=30	Pass
	3784.98	Edge_1RB_Left	19.12	19.55	22.35	19.52	20.05	22.80	<=30	Pass
		Edge_1RB_Right	19.07	19.80	22.46	19.47	20.30	22.92	<=30	Pass
		Outer_Full	19.36	19.98	22.69	19.76	20.48	23.15	<=30	Pass
		Inner_Full	20.75	21.44	24.12	21.15	21.94	24.57	<=30	Pass
		Inner_1RB_Left	20.95	21.32	24.15	21.35	21.82	24.60	<=30	Pass
		Inner_1RB_Right	21.18	21.53	24.37	21.58	22.03	24.82	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge_1RB_Left	19.54	19.39	22.48	19.94	19.89	22.93	<=30	Pass
		Edge_1RB_Right	18.82	19.27	22.07	19.22	19.77	22.51	<=30	Pass
		Outer_Full	19.67	19.90	22.79	20.07	20.40	23.25	<=30	Pass
		Inner_Full	20.61	20.88	23.76	21.01	21.38	24.21	<=30	Pass
		Inner_1RB_Left	20.99	20.92	23.96	21.39	21.42	24.42	<=30	Pass
		Inner_1RB_Right	20.45	20.86	23.67	20.85	21.36	24.12	<=30	Pass
	3750	Edge_1RB_Left	18.81	19.46	22.16	19.21	19.96	22.61	<=30	Pass
		Edge_1RB_Right	19.14	19.39	22.28	19.54	19.89	22.73	<=30	Pass
		Outer_Full	19.84	19.83	22.84	20.24	20.33	23.30	<=30	Pass
		Inner_Full	20.88	20.81	23.86	21.28	21.31	24.31	<=30	Pass
		Inner_1RB_Left	20.59	20.91	23.76	20.99	21.41	24.22	<=30	Pass
		Inner_1RB_Right	20.83	20.78	23.82	21.23	21.28	24.27	<=30	Pass
	3784.98	Edge_1RB_Left	18.97	19.31	22.16	19.37	19.81	22.61	<=30	Pass
		Edge_1RB_Right	18.98	19.55	22.28	19.38	20.05	22.74	<=30	Pass
		Outer_Full	19.37	19.96	22.68	19.77	20.46	23.14	<=30	Pass
		Inner_Full	20.23	20.87	23.57	20.63	21.37	24.03	<=30	Pass
		Inner_1RB_Left	20.44	20.76	23.61	20.84	21.26	24.07	<=30	Pass
		Inner_1RB_Right	20.58	21.12	23.87	20.98	21.62	24.32	<=30	Pass

CP-OFDM 64 QAM	3715.02	Edge_1RB_Left	19.29	19.49	22.40	19.69	19.99	22.85	<=30	Pass
		Edge_1RB_Right	18.56	19.27	21.94	18.96	19.77	22.39	<=30	Pass
		Outer_Full	19.12	19.47	22.31	19.52	19.97	22.76	<=30	Pass
		Inner_Full	19.09	19.39	22.25	19.49	19.89	22.70	<=30	Pass
		Inner_1RB_Left	19.39	19.48	22.45	19.79	19.98	22.90	<=30	Pass
		Inner_1RB_Right	18.66	19.40	22.05	19.06	19.90	22.51	<=30	Pass
	3750	Edge_1RB_Left	19.00	19.21	22.11	19.40	19.71	22.57	<=30	Pass
		Edge_1RB_Right	19.39	19.25	22.33	19.79	19.75	22.78	<=30	Pass
		Outer_Full	19.33	19.30	22.33	19.73	19.80	22.78	<=30	Pass
		Inner_Full	19.41	19.30	22.37	19.81	19.80	22.82	<=30	Pass
		Inner_1RB_Left	19.02	19.23	22.14	19.42	19.73	22.59	<=30	Pass
		Inner_1RB_Right	19.43	19.25	22.35	19.83	19.75	22.80	<=30	Pass
	3784.98	Edge_1RB_Left	19.08	19.08	22.09	19.48	19.58	22.54	<=30	Pass
		Edge_1RB_Right	19.07	19.36	22.23	19.47	19.86	22.68	<=30	Pass
		Outer_Full	18.87	19.48	22.19	19.27	19.98	22.65	<=30	Pass
		Inner_Full	18.67	19.43	22.07	19.07	19.93	22.53	<=30	Pass
		Inner_1RB_Left	19.07	19.22	22.15	19.47	19.72	22.61	<=30	Pass
		Inner_1RB_Right	19.07	19.50	22.30	19.47	20.00	22.75	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge_1RB_Left	16.32	16.67	19.51	16.72	17.17	19.96	<=30	Pass
		Edge_1RB_Right	15.67	16.45	19.09	16.07	16.95	19.54	<=30	Pass
		Outer_Full	16.16	16.48	19.33	16.56	16.98	19.79	<=30	Pass
		Inner_Full	16.14	16.51	19.34	16.54	17.01	19.79	<=30	Pass
		Inner_1RB_Left	16.38	16.60	19.50	16.78	17.10	19.95	<=30	Pass
		Inner_1RB_Right	15.69	16.42	19.08	16.09	16.92	19.54	<=30	Pass
	3750	Edge_1RB_Left	16.31	16.32	19.32	16.71	16.82	19.78	<=30	Pass
		Edge_1RB_Right	16.41	16.19	19.31	16.81	16.69	19.76	<=30	Pass
		Outer_Full	16.42	16.34	19.39	16.82	16.84	19.84	<=30	Pass
		Inner_Full	16.53	16.32	19.44	16.93	16.82	19.89	<=30	Pass
		Inner_1RB_Left	16.18	16.21	19.21	16.58	16.71	19.66	<=30	Pass
		Inner_1RB_Right	16.43	16.18	19.32	16.83	16.68	19.77	<=30	Pass
	3784.98	Edge_1RB_Left	16.27	16.16	19.23	16.67	16.66	19.68	<=30	Pass
		Edge_1RB_Right	16.15	16.40	19.29	16.55	16.90	19.74	<=30	Pass
		Outer_Full	15.99	16.46	19.24	16.39	16.96	19.69	<=30	Pass
		Inner_Full	15.82	16.40	19.13	16.22	16.90	19.58	<=30	Pass
		Inner_1RB_Left	16.14	16.12	19.14	16.54	16.62	19.59	<=30	Pass
		Inner_1RB_Right	16.15	16.48	19.33	16.55	16.98	19.78	<=30	Pass
Note1: Antenna Gain: Ant3: 0.40dBi; Ant7: 0.50dBi;										
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 n78a SCS=30kHz SISO 40MHz 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	3720	Edge 1RB Left	22.18	21.81	/	22.58	22.31	/	<=30	Pass
		Edge 1RB Right	21.83	21.76	/	22.23	22.26	/	<=30	Pass
		Outer Full	24.96	24.75	/	25.36	25.25	/	<=30	Pass
		Inner Full	25.51	25.27	/	25.91	25.77	/	<=30	Pass
		Inner 1RB Left	25.66	25.38	/	26.06	25.88	/	<=30	Pass
		Inner 1RB Right	25.23	25.34	/	25.63	25.84	/	<=30	Pass
	3750	Edge 1RB Left	21.70	21.94	/	22.10	22.44	/	<=30	Pass
		Edge 1RB Right	22.28	21.91	/	22.68	22.41	/	<=30	Pass
		Outer Full	25.04	24.87	/	25.44	25.37	/	<=30	Pass
		Inner Full	25.57	25.35	/	25.97	25.85	/	<=30	Pass

		Inner_1RB_Left	25.21	25.49	/	25.61	25.99	/	<=30	Pass
		Inner_1RB_Right	25.85	25.27	/	26.25	25.77	/	<=30	Pass
	3780	Edge_1RB_Left	22.22	21.87	/	22.62	22.37	/	<=30	Pass
		Edge_1RB_Right	21.69	21.68	/	22.09	22.18	/	<=30	Pass
		Outer_Full	24.81	24.74	/	25.21	25.24	/	<=30	Pass
		Inner_Full	25.15	25.24	/	25.55	25.74	/	<=30	Pass
		Inner_1RB_Left	25.86	25.31	/	26.26	25.81	/	<=30	Pass
		Inner_1RB_Right	25.13	25.13	/	25.53	25.63	/	<=30	Pass
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	22.15	21.69	/	22.55	22.19	/	<=30	Pass
		Edge_1RB_Right	21.75	21.75	/	22.15	22.25	/	<=30	Pass
		Outer_Full	24.52	24.20	/	24.92	24.7	/	<=30	Pass
		Inner_Full	25.50	25.33	/	25.90	25.83	/	<=30	Pass
		Inner_1RB_Left	25.67	25.26	/	26.07	25.76	/	<=30	Pass
		Inner_1RB_Right	25.23	25.26	/	25.63	25.76	/	<=30	Pass
	3750	Edge_1RB_Left	21.67	21.84	/	22.07	22.34	/	<=30	Pass
		Edge_1RB_Right	22.23	21.70	/	22.63	22.2	/	<=30	Pass
		Outer_Full	24.57	24.45	/	24.97	24.95	/	<=30	Pass
		Inner_Full	25.59	25.34	/	25.99	25.84	/	<=30	Pass
		Inner_1RB_Left	25.12	25.45	/	25.52	25.95	/	<=30	Pass
		Inner_1RB_Right	25.70	25.33	/	26.10	25.83	/	<=30	Pass
	3780	Edge_1RB_Left	22.34	21.75	/	22.74	22.25	/	<=30	Pass
		Edge_1RB_Right	21.64	21.52	/	22.04	22.02	/	<=30	Pass
		Outer_Full	24.36	24.20	/	24.76	24.7	/	<=30	Pass
		Inner_Full	25.20	25.23	/	25.60	25.73	/	<=30	Pass
		Inner_1RB_Left	25.75	25.31	/	26.15	25.81	/	<=30	Pass
		Inner_1RB_Right	25.26	25.19	/	25.66	25.69	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge_1RB_Left	22.16	21.62	/	22.56	22.12	/	<=30	Pass
		Edge_1RB_Right	21.70	21.61	/	22.10	22.11	/	<=30	Pass
		Outer_Full	23.49	23.38	/	23.89	23.88	/	<=30	Pass
		Inner_Full	24.58	24.23	/	24.98	24.73	/	<=30	Pass
		Inner_1RB_Left	24.47	24.18	/	24.87	24.68	/	<=30	Pass
		Inner_1RB_Right	24.08	24.11	/	24.48	24.61	/	<=30	Pass
	3750	Edge_1RB_Left	21.70	21.89	/	22.10	22.39	/	<=30	Pass
		Edge_1RB_Right	22.10	21.62	/	22.50	22.12	/	<=30	Pass
		Outer_Full	23.58	23.42	/	23.98	23.92	/	<=30	Pass
		Inner_Full	24.50	24.35	/	24.90	24.85	/	<=30	Pass
		Inner_1RB_Left	24.02	24.17	/	24.42	24.67	/	<=30	Pass
		Inner_1RB_Right	24.65	24.14	/	25.05	24.64	/	<=30	Pass
	3780	Edge_1RB_Left	22.15	21.64	/	22.55	22.14	/	<=30	Pass
		Edge_1RB_Right	21.48	21.32	/	21.88	21.82	/	<=30	Pass
		Outer_Full	23.28	23.23	/	23.68	23.73	/	<=30	Pass
		Inner_Full	24.10	24.12	/	24.50	24.62	/	<=30	Pass
		Inner_1RB_Left	24.55	24.18	/	24.95	24.68	/	<=30	Pass
		Inner_1RB_Right	24.00	23.92	/	24.40	24.42	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge_1RB_Left	22.14	21.72	/	22.54	22.22	/	<=30	Pass
		Edge_1RB_Right	21.67	21.77	/	22.07	22.27	/	<=30	Pass
		Outer_Full	23.10	22.80	/	23.50	23.3	/	<=30	Pass
		Inner_Full	23.08	22.74	/	23.48	23.24	/	<=30	Pass
		Inner_1RB_Left	23.22	22.71	/	23.62	23.21	/	<=30	Pass
		Inner_1RB_Right	22.78	22.79	/	23.18	23.29	/	<=30	Pass
	3750	Edge_1RB_Left	21.78	22.04	/	22.18	22.54	/	<=30	Pass
		Edge_1RB_Right	22.29	21.87	/	22.69	22.37	/	<=30	Pass
		Outer_Full	23.09	22.92	/	23.49	23.42	/	<=30	Pass
		Inner_Full	23.10	22.86	/	23.50	23.36	/	<=30	Pass
		Inner_1RB_Left	22.69	23.09	/	23.09	23.59	/	<=30	Pass
		Inner_1RB_Right	23.23	22.79	/	23.63	23.29	/	<=30	Pass
	3780	Edge_1RB_Left	22.28	21.89	/	22.68	22.39	/	<=30	Pass
		Edge_1RB_Right	21.56	21.66	/	21.96	22.16	/	<=30	Pass
		Outer_Full	22.80	22.66	/	23.20	23.16	/	<=30	Pass

		Inner_Full	22.67	22.69	/	23.07	23.19	/	<=30	Pass
		Inner_1RB_Left	23.25	22.76	/	23.65	23.26	/	<=30	Pass
		Inner_1RB_Right	22.57	22.54	/	22.97	23.04	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge_1RB_Left	21.08	20.67	/	21.48	21.17	/	<=30	Pass
		Edge_1RB_Right	20.89	20.72	/	21.29	21.22	/	<=30	Pass
		Outer_Full	20.90	20.64	/	21.30	21.14	/	<=30	Pass
		Inner_Full	21.00	20.60	/	21.40	21.1	/	<=30	Pass
		Inner_1RB_Left	21.14	20.76	/	21.54	21.26	/	<=30	Pass
		Inner_1RB_Right	20.87	20.88	/	21.27	21.38	/	<=30	Pass
	3750	Edge_1RB_Left	20.67	20.93	/	21.07	21.43	/	<=30	Pass
		Edge_1RB_Right	21.17	20.74	/	21.57	21.24	/	<=30	Pass
		Outer_Full	21.06	20.88	/	21.46	21.38	/	<=30	Pass
		Inner_Full	21.08	20.73	/	21.48	21.23	/	<=30	Pass
		Inner_1RB_Left	20.61	20.92	/	21.01	21.42	/	<=30	Pass
		Inner_1RB_Right	21.20	20.76	/	21.60	21.26	/	<=30	Pass
	3780	Edge_1RB_Left	21.26	20.83	/	21.66	21.33	/	<=30	Pass
		Edge_1RB_Right	20.86	20.48	/	21.26	20.98	/	<=30	Pass
		Outer_Full	20.85	20.60	/	21.25	21.1	/	<=30	Pass
		Inner_Full	20.75	20.51	/	21.15	21.01	/	<=30	Pass
		Inner_1RB_Left	21.37	20.68	/	21.77	21.18	/	<=30	Pass
		Inner_1RB_Right	20.81	20.54	/	21.21	21.04	/	<=30	Pass
CP-OFDM QPSK	3720	Edge_1RB_Left	22.21	21.86	/	22.61	22.36	/	<=30	Pass
		Edge_1RB_Right	21.95	21.87	/	22.35	22.37	/	<=30	Pass
		Outer_Full	22.51	22.30	/	22.91	22.8	/	<=30	Pass
		Inner_Full	23.99	23.77	/	24.39	24.27	/	<=30	Pass
		Inner_1RB_Left	24.33	23.85	/	24.73	24.35	/	<=30	Pass
		Inner_1RB_Right	23.82	23.85	/	24.22	24.35	/	<=30	Pass
	3750	Edge_1RB_Left	21.79	22.18	/	22.19	22.68	/	<=30	Pass
		Edge_1RB_Right	22.25	21.87	/	22.65	22.37	/	<=30	Pass
		Outer_Full	22.61	22.33	/	23.01	22.83	/	<=30	Pass
		Inner_Full	24.09	23.77	/	24.49	24.27	/	<=30	Pass
		Inner_1RB_Left	23.66	24.07	/	24.06	24.57	/	<=30	Pass
		Inner_1RB_Right	24.19	23.82	/	24.59	24.32	/	<=30	Pass
	3780	Edge_1RB_Left	22.44	21.86	/	22.84	22.36	/	<=30	Pass
		Edge_1RB_Right	21.92	21.68	/	22.32	22.18	/	<=30	Pass
		Outer_Full	22.31	22.20	/	22.71	22.7	/	<=30	Pass
		Inner_Full	23.72	23.70	/	24.12	24.2	/	<=30	Pass
		Inner_1RB_Left	24.47	23.92	/	24.87	24.42	/	<=30	Pass
		Inner_1RB_Right	23.88	23.81	/	24.28	24.31	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge_1RB_Left	22.08	21.59	/	22.48	22.09	/	<=30	Pass
		Edge_1RB_Right	21.62	21.58	/	22.02	22.08	/	<=30	Pass
		Outer_Full	22.49	22.22	/	22.89	22.72	/	<=30	Pass
		Inner_Full	23.57	23.23	/	23.97	23.73	/	<=30	Pass
		Inner_1RB_Left	23.60	23.26	/	24.00	23.76	/	<=30	Pass
		Inner_1RB_Right	23.21	23.23	/	23.61	23.73	/	<=30	Pass
	3750	Edge_1RB_Left	21.59	21.89	/	21.99	22.39	/	<=30	Pass
		Edge_1RB_Right	22.10	21.95	/	22.50	22.45	/	<=30	Pass
		Outer_Full	22.59	22.34	/	22.99	22.84	/	<=30	Pass
		Inner_Full	23.71	23.36	/	24.11	23.86	/	<=30	Pass
		Inner_1RB_Left	23.15	23.42	/	23.55	23.92	/	<=30	Pass
		Inner_1RB_Right	23.79	23.27	/	24.19	23.77	/	<=30	Pass
	3780	Edge_1RB_Left	22.15	21.59	/	22.55	22.09	/	<=30	Pass
		Edge_1RB_Right	21.56	21.43	/	21.96	21.93	/	<=30	Pass
		Outer_Full	22.30	22.18	/	22.70	22.68	/	<=30	Pass
		Inner_Full	23.24	23.15	/	23.64	23.65	/	<=30	Pass
		Inner_1RB_Left	23.65	23.26	/	24.05	23.76	/	<=30	Pass
		Inner_1RB_Right	23.06	22.90	/	23.46	23.4	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	22.17	21.69	/	22.57	22.19	/	<=30	Pass
		Edge_1RB_Right	21.79	21.73	/	22.19	22.23	/	<=30	Pass

		Outer_Full	22.05	21.78	/	22.45	22.28	/	<=30	Pass
		Inner_Full	22.07	21.73	/	22.47	22.23	/	<=30	Pass
		Inner_1RB_Left	22.10	21.76	/	22.50	22.26	/	<=30	Pass
		Inner_1RB_Right	21.77	21.74	/	22.17	22.24	/	<=30	Pass
	3750	Edge_1RB_Left	21.72	22.02	/	22.12	22.52	/	<=30	Pass
		Edge_1RB_Right	22.25	22.04	/	22.65	22.54	/	<=30	Pass
		Outer_Full	22.06	21.85	/	22.46	22.35	/	<=30	Pass
		Inner_Full	22.12	21.87	/	22.52	22.37	/	<=30	Pass
		Inner_1RB_Left	21.76	22.32	/	22.16	22.82	/	<=30	Pass
		Inner_1RB_Right	22.26	22.03	/	22.66	22.53	/	<=30	Pass
	3780	Edge_1RB_Left	22.24	21.94	/	22.64	22.44	/	<=30	Pass
		Edge_1RB_Right	21.65	21.60	/	22.05	22.1	/	<=30	Pass
		Outer_Full	21.76	21.66	/	22.16	22.16	/	<=30	Pass
		Inner_Full	21.72	21.65	/	22.12	22.15	/	<=30	Pass
		Inner_1RB_Left	22.32	21.95	/	22.72	22.45	/	<=30	Pass
		Inner_1RB_Right	21.74	21.61	/	22.14	22.11	/	<=30	Pass
CP-OFDM 256 QAM	3720	Edge_1RB_Left	19.08	18.75	/	19.48	19.25	/	<=30	Pass
		Edge_1RB_Right	18.78	18.75	/	19.18	19.25	/	<=30	Pass
		Outer_Full	18.96	18.77	/	19.36	19.27	/	<=30	Pass
		Inner_Full	19.06	18.73	/	19.46	19.23	/	<=30	Pass
		Inner_1RB_Left	19.29	18.81	/	19.69	19.31	/	<=30	Pass
		Inner_1RB_Right	18.86	18.68	/	19.26	19.18	/	<=30	Pass
	3750	Edge_1RB_Left	18.63	18.95	/	19.03	19.45	/	<=30	Pass
		Edge_1RB_Right	19.44	18.84	/	19.84	19.34	/	<=30	Pass
		Outer_Full	19.07	18.86	/	19.47	19.36	/	<=30	Pass
		Inner_Full	19.09	18.90	/	19.49	19.4	/	<=30	Pass
		Inner_1RB_Left	18.65	19.10	/	19.05	19.6	/	<=30	Pass
		Inner_1RB_Right	19.21	18.72	/	19.61	19.22	/	<=30	Pass
	3780	Edge_1RB_Left	19.36	18.70	/	19.76	19.2	/	<=30	Pass
		Edge_1RB_Right	18.79	18.59	/	19.19	19.09	/	<=30	Pass
		Outer_Full	18.74	18.63	/	19.14	19.13	/	<=30	Pass
		Inner_Full	18.73	18.66	/	19.13	19.16	/	<=30	Pass
		Inner_1RB_Left	19.34	18.76	/	19.74	19.26	/	<=30	Pass
		Inner_1RB_Right	18.84	18.59	/	19.24	19.09	/	<=30	Pass
Note1: Antenna Gain: Ant7: 0.40dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n78a 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	19.58	19.68	22.64	19.98	20.18	23.09	<=30	Pass
		Edge_1RB_Right	19.22	19.50	22.37	19.62	20.00	22.82	<=30	Pass
		Outer_Full	19.56	19.91	22.75	19.96	20.41	23.20	<=30	Pass
		Inner_Full	21.00	21.49	24.26	21.40	21.99	24.72	<=30	Pass
		Inner_1RB_Left	21.64	21.72	24.69	22.04	22.22	25.14	<=30	Pass
		Inner_1RB_Right	21.33	21.39	24.37	21.73	21.89	24.82	<=30	Pass
	3750	Edge_1RB_Left	19.12	19.57	22.36	19.52	20.07	22.81	<=30	Pass
		Edge_1RB_Right	19.22	19.36	22.30	19.62	19.86	22.75	<=30	Pass
		Outer_Full	19.76	19.86	22.82	20.16	20.36	23.27	<=30	Pass
		Inner_Full	21.35	21.30	24.33	21.75	21.80	24.79	<=30	Pass
		Inner_1RB_Left	21.07	21.46	24.28	21.47	21.96	24.73	<=30	Pass
		Inner_1RB_Right	21.22	21.32	24.28	21.62	21.82	24.73	<=30	Pass
	3780	Edge_1RB_Left	19.54	19.46	22.51	19.94	19.96	22.96	<=30	Pass
		Edge_1RB_Right	19.08	19.66	22.39	19.48	20.16	22.84	<=30	Pass
		Outer_Full	19.33	19.85	22.61	19.73	20.35	23.06	<=30	Pass
		Inner_Full	20.63	21.24	23.95	21.03	21.74	24.41	<=30	Pass
		Inner_1RB_Left	21.35	21.44	24.40	21.75	21.94	24.86	<=30	Pass
		Inner_1RB_Right	21.09	21.81	24.48	21.49	22.31	24.93	<=30	Pass

Note1: Antenna Gain: Ant3: 0.40dBi; Ant7: 0.50dBi;
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_50MHz_NTNV_EIRP

1.4.1 Test Result

5G NR n78a SCS=30kHz SISO 50MHz 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	3725.01	Edge 1RB Left	21.71	21.45	/	22.11	21.95	/	<=30	Pass
		Edge 1RB Right	21.67	21.54	/	22.07	22.04	/	<=30	Pass
		Outer Full	24.71	24.65	/	25.11	25.15	/	<=30	Pass
		Inner Full	25.22	25.25	/	25.62	25.75	/	<=30	Pass
		Inner 1RB Left	25.36	25.03	/	25.76	25.53	/	<=30	Pass
		Inner 1RB Right	25.27	25.00	/	25.67	25.5	/	<=30	Pass
	3750	Edge 1RB Left	21.59	21.61	/	21.99	22.11	/	<=30	Pass
		Edge 1RB Right	21.84	21.46	/	22.24	21.96	/	<=30	Pass
		Outer Full	24.90	24.67	/	25.30	25.17	/	<=30	Pass
		Inner Full	25.37	25.25	/	25.77	25.75	/	<=30	Pass
		Inner 1RB Left	25.07	25.26	/	25.47	25.76	/	<=30	Pass
		Inner 1RB Right	25.33	24.95	/	25.73	25.45	/	<=30	Pass
	3774.99	Edge 1RB Left	21.83	21.64	/	22.23	22.14	/	<=30	Pass
		Edge 1RB Right	21.44	21.19	/	21.84	21.69	/	<=30	Pass
		Outer Full	24.86	24.47	/	25.26	24.97	/	<=30	Pass
		Inner Full	25.44	24.97	/	25.84	25.47	/	<=30	Pass
		Inner 1RB Left	25.45	25.09	/	25.85	25.59	/	<=30	Pass
		Inner 1RB Right	24.94	24.83	/	25.34	25.33	/	<=30	Pass
DFT-s-OFDM QPSK	3725.01	Edge 1RB Left	21.82	21.53	/	22.22	22.03	/	<=30	Pass
		Edge 1RB Right	21.68	21.45	/	22.08	21.95	/	<=30	Pass
		Outer Full	24.20	24.07	/	24.60	24.57	/	<=30	Pass
		Inner Full	25.24	25.20	/	25.64	25.7	/	<=30	Pass
		Inner 1RB Left	25.39	24.99	/	25.79	25.49	/	<=30	Pass
		Inner 1RB Right	25.19	25.00	/	25.59	25.5	/	<=30	Pass
	3750	Edge 1RB Left	21.53	21.59	/	21.93	22.09	/	<=30	Pass
		Edge 1RB Right	21.75	21.56	/	22.15	22.06	/	<=30	Pass
		Outer Full	24.29	24.11	/	24.69	24.61	/	<=30	Pass
		Inner Full	25.41	25.25	/	25.81	25.75	/	<=30	Pass
		Inner 1RB Left	25.04	25.22	/	25.44	25.72	/	<=30	Pass
		Inner 1RB Right	25.20	24.92	/	25.60	25.42	/	<=30	Pass
	3774.99	Edge 1RB Left	21.94	21.61	/	22.34	22.11	/	<=30	Pass
		Edge 1RB Right	21.42	21.24	/	21.82	21.74	/	<=30	Pass
		Outer Full	24.33	23.94	/	24.73	24.44	/	<=30	Pass
		Inner Full	25.40	24.96	/	25.80	25.46	/	<=30	Pass
		Inner 1RB Left	25.39	25.07	/	25.79	25.57	/	<=30	Pass
		Inner 1RB Right	24.96	24.76	/	25.36	25.26	/	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Edge 1RB Left	21.86	21.46	/	22.26	21.96	/	<=30	Pass
		Edge 1RB Right	21.71	21.50	/	22.11	22	/	<=30	Pass
		Outer Full	23.33	23.14	/	23.73	23.64	/	<=30	Pass
		Inner Full	24.23	24.22	/	24.63	24.72	/	<=30	Pass
		Inner 1RB Left	24.30	23.96	/	24.70	24.46	/	<=30	Pass
		Inner 1RB Right	24.11	23.87	/	24.51	24.37	/	<=30	Pass
	3750	Edge 1RB Left	21.40	21.66	/	21.80	22.16	/	<=30	Pass
		Edge 1RB Right	21.78	21.41	/	22.18	21.91	/	<=30	Pass
		Outer Full	23.35	23.26	/	23.75	23.76	/	<=30	Pass
		Inner Full	24.41	24.12	/	24.81	24.62	/	<=30	Pass
		Inner 1RB Left	23.87	24.08	/	24.27	24.58	/	<=30	Pass
		Inner 1RB Right	24.10	23.89	/	24.50	24.39	/	<=30	Pass
	3774.99	Edge 1RB Left	21.78	21.48	/	22.18	21.98	/	<=30	Pass

		Edge 1RB Right	21.41	21.20	/	21.81	21.7	/	<=30	Pass
		Outer Full	23.32	23.07	/	23.72	23.57	/	<=30	Pass
		Inner Full	24.35	24.06	/	24.75	24.56	/	<=30	Pass
		Inner 1RB Left	24.27	23.98	/	24.67	24.48	/	<=30	Pass
		Inner 1RB Right	23.79	23.66	/	24.19	24.16	/	<=30	Pass
DFT-s-OFDM 64 QAM	3725.01	Edge 1RB Left	21.95	21.57	/	22.35	22.07	/	<=30	Pass
		Edge 1RB Right	21.82	21.62	/	22.22	22.12	/	<=30	Pass
		Outer Full	22.79	22.60	/	23.19	23.1	/	<=30	Pass
		Inner Full	22.80	22.70	/	23.20	23.2	/	<=30	Pass
		Inner 1RB Left	22.90	22.55	/	23.30	23.05	/	<=30	Pass
		Inner 1RB Right	22.67	22.62	/	23.07	23.12	/	<=30	Pass
	3750	Edge 1RB Left	21.71	21.77	/	22.11	22.27	/	<=30	Pass
		Edge 1RB Right	21.90	21.51	/	22.30	22.01	/	<=30	Pass
		Outer Full	22.87	22.65	/	23.27	23.15	/	<=30	Pass
		Inner Full	23.02	22.69	/	23.42	23.19	/	<=30	Pass
		Inner 1RB Left	22.57	22.77	/	22.97	23.27	/	<=30	Pass
		Inner 1RB Right	22.85	22.52	/	23.25	23.02	/	<=30	Pass
	3774.99	Edge 1RB Left	22.01	21.54	/	22.41	22.04	/	<=30	Pass
		Edge 1RB Right	21.52	21.22	/	21.92	21.72	/	<=30	Pass
		Outer Full	22.81	22.50	/	23.21	23	/	<=30	Pass
		Inner Full	22.87	22.54	/	23.27	23.04	/	<=30	Pass
		Inner 1RB Left	23.06	22.68	/	23.46	23.18	/	<=30	Pass
		Inner 1RB Right	22.51	22.35	/	22.91	22.85	/	<=30	Pass
DFT-s-OFDM 256 QAM	3725.01	Edge 1RB Left	20.76	20.44	/	21.16	20.94	/	<=30	Pass
		Edge 1RB Right	20.66	20.56	/	21.06	21.06	/	<=30	Pass
		Outer Full	20.75	20.71	/	21.15	21.21	/	<=30	Pass
		Inner Full	20.70	20.67	/	21.10	21.17	/	<=30	Pass
		Inner 1RB Left	20.93	20.45	/	21.33	20.95	/	<=30	Pass
		Inner 1RB Right	20.80	20.41	/	21.20	20.91	/	<=30	Pass
	3750	Edge 1RB Left	20.66	20.75	/	21.06	21.25	/	<=30	Pass
		Edge 1RB Right	20.65	20.38	/	21.05	20.88	/	<=30	Pass
		Outer Full	20.99	20.70	/	21.39	21.2	/	<=30	Pass
		Inner Full	20.86	20.76	/	21.26	21.26	/	<=30	Pass
		Inner 1RB Left	20.63	20.76	/	21.03	21.26	/	<=30	Pass
		Inner 1RB Right	20.84	20.45	/	21.24	20.95	/	<=30	Pass
	3774.99	Edge 1RB Left	20.94	20.65	/	21.34	21.15	/	<=30	Pass
		Edge 1RB Right	20.52	20.25	/	20.92	20.75	/	<=30	Pass
		Outer Full	20.79	20.55	/	21.19	21.05	/	<=30	Pass
		Inner Full	20.84	20.50	/	21.24	21	/	<=30	Pass
		Inner 1RB Left	20.91	20.58	/	21.31	21.08	/	<=30	Pass
		Inner 1RB Right	20.43	20.18	/	20.83	20.68	/	<=30	Pass
CP-OFDM QPSK	3725.01	Edge 1RB Left	21.98	21.61	/	22.38	22.11	/	<=30	Pass
		Edge 1RB Right	21.83	21.58	/	22.23	22.08	/	<=30	Pass
		Outer Full	22.33	22.08	/	22.73	22.58	/	<=30	Pass
		Inner Full	23.71	23.66	/	24.11	24.16	/	<=30	Pass
		Inner 1RB Left	24.02	23.54	/	24.42	24.04	/	<=30	Pass
		Inner 1RB Right	23.81	23.59	/	24.21	24.09	/	<=30	Pass
	3750	Edge 1RB Left	21.73	21.79	/	22.13	22.29	/	<=30	Pass
		Edge 1RB Right	21.93	21.54	/	22.33	22.04	/	<=30	Pass
		Outer Full	22.44	22.18	/	22.84	22.68	/	<=30	Pass
		Inner Full	23.93	23.65	/	24.33	24.15	/	<=30	Pass
		Inner 1RB Left	23.76	23.75	/	24.16	24.25	/	<=30	Pass
		Inner 1RB Right	23.89	23.46	/	24.29	23.96	/	<=30	Pass
	3774.99	Edge 1RB Left	22.00	21.81	/	22.40	22.31	/	<=30	Pass
		Edge 1RB Right	21.53	21.28	/	21.93	21.78	/	<=30	Pass
		Outer Full	22.27	21.98	/	22.67	22.48	/	<=30	Pass
		Inner Full	23.92	23.48	/	24.32	23.98	/	<=30	Pass
		Inner 1RB Left	24.10	23.64	/	24.50	24.14	/	<=30	Pass
		Inner 1RB Right	23.49	23.35	/	23.89	23.85	/	<=30	Pass

CP-OFDM 16 QAM	3725.01	Edge_1RB_Left	21.82	21.54	/	22.22	22.04	/	<=30	Pass
		Edge_1RB_Right	21.75	21.46	/	22.15	21.96	/	<=30	Pass
		Outer_Full	22.29	22.14	/	22.69	22.64	/	<=30	Pass
		Inner_Full	23.25	23.13	/	23.65	23.63	/	<=30	Pass
		Inner_1RB_Left	23.30	22.88	/	23.70	23.38	/	<=30	Pass
		Inner_1RB_Right	23.12	22.93	/	23.52	23.43	/	<=30	Pass
	3750	Edge_1RB_Left	21.51	21.63	/	21.91	22.13	/	<=30	Pass
		Edge_1RB_Right	21.74	21.42	/	22.14	21.92	/	<=30	Pass
		Outer_Full	22.39	22.21	/	22.79	22.71	/	<=30	Pass
		Inner_Full	23.45	23.26	/	23.85	23.76	/	<=30	Pass
		Inner_1RB_Left	23.04	23.13	/	23.44	23.63	/	<=30	Pass
		Inner_1RB_Right	23.18	23.00	/	23.58	23.5	/	<=30	Pass
	3774.99	Edge_1RB_Left	21.86	21.63	/	22.26	22.13	/	<=30	Pass
		Edge_1RB_Right	21.44	21.32	/	21.84	21.82	/	<=30	Pass
		Outer_Full	22.40	22.00	/	22.80	22.5	/	<=30	Pass
		Inner_Full	23.36	23.01	/	23.76	23.51	/	<=30	Pass
		Inner_1RB_Left	23.45	23.05	/	23.85	23.55	/	<=30	Pass
		Inner_1RB_Right	22.96	22.71	/	23.36	23.21	/	<=30	Pass
CP-OFDM 64 QAM	3725.01	Edge_1RB_Left	21.93	21.55	/	22.33	22.05	/	<=30	Pass
		Edge_1RB_Right	21.84	21.70	/	22.24	22.2	/	<=30	Pass
		Outer_Full	21.74	21.67	/	22.14	22.17	/	<=30	Pass
		Inner_Full	21.67	21.72	/	22.07	22.22	/	<=30	Pass
		Inner_1RB_Left	21.98	21.62	/	22.38	22.12	/	<=30	Pass
		Inner_1RB_Right	21.86	21.65	/	22.26	22.15	/	<=30	Pass
	3750	Edge_1RB_Left	21.61	21.77	/	22.01	22.27	/	<=30	Pass
		Edge_1RB_Right	21.99	21.56	/	22.39	22.06	/	<=30	Pass
		Outer_Full	21.87	21.60	/	22.27	22.1	/	<=30	Pass
		Inner_Full	21.94	21.71	/	22.34	22.21	/	<=30	Pass
		Inner_1RB_Left	21.59	21.92	/	21.99	22.42	/	<=30	Pass
		Inner_1RB_Right	21.84	21.51	/	22.24	22.01	/	<=30	Pass
	3774.99	Edge_1RB_Left	22.07	21.77	/	22.47	22.27	/	<=30	Pass
		Edge_1RB_Right	21.67	21.38	/	22.07	21.88	/	<=30	Pass
		Outer_Full	21.82	21.49	/	22.22	21.99	/	<=30	Pass
		Inner_Full	21.91	21.50	/	22.31	22	/	<=30	Pass
		Inner_1RB_Left	22.17	21.69	/	22.57	22.19	/	<=30	Pass
		Inner_1RB_Right	21.54	21.40	/	21.94	21.9	/	<=30	Pass
CP-OFDM 256 QAM	3725.01	Edge_1RB_Left	19.00	18.44	/	19.40	18.94	/	<=30	Pass
		Edge_1RB_Right	18.77	18.43	/	19.17	18.93	/	<=30	Pass
		Outer_Full	18.65	18.53	/	19.05	19.03	/	<=30	Pass
		Inner_Full	18.68	18.68	/	19.08	19.18	/	<=30	Pass
		Inner_1RB_Left	18.90	18.47	/	19.30	18.97	/	<=30	Pass
		Inner_1RB_Right	18.80	18.49	/	19.20	18.99	/	<=30	Pass
	3750	Edge_1RB_Left	18.57	18.70	/	18.97	19.2	/	<=30	Pass
		Edge_1RB_Right	18.67							

5G NR n78a SCS=30kHz MIMO 50MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3725.01	Edge 1RB Left	19.32	19.46	22.40	19.72	19.96	22.85	<=30	Pass
		Edge 1RB Right	19.22	19.07	22.15	19.62	19.57	22.61	<=30	Pass
		Outer Full	19.45	19.64	22.56	19.85	20.14	23.01	<=30	Pass
		Inner Full	20.79	21.11	23.96	21.19	21.61	24.42	<=30	Pass
		Inner 1RB Left	21.35	21.26	24.32	21.75	21.76	24.77	<=30	Pass
		Inner 1RB Right	21.11	21.16	24.15	21.51	21.66	24.60	<=30	Pass
	3750	Edge 1RB Left	18.85	19.12	22.00	19.25	19.62	22.45	<=30	Pass
		Edge 1RB Right	18.78	18.98	21.89	19.18	19.48	22.34	<=30	Pass
		Outer Full	19.51	19.61	22.57	19.91	20.11	23.02	<=30	Pass
		Inner Full	21.18	21.24	24.22	21.58	21.74	24.67	<=30	Pass
		Inner 1RB Left	20.72	21.18	23.97	21.12	21.68	24.42	<=30	Pass
		Inner 1RB Right	20.73	20.99	23.87	21.13	21.49	24.32	<=30	Pass
	3774.99	Edge 1RB Left	19.43	19.31	22.38	19.83	19.81	22.83	<=30	Pass
		Edge 1RB Right	18.82	19.36	22.11	19.22	19.86	22.56	<=30	Pass
		Outer Full	19.32	19.66	22.50	19.72	20.16	22.96	<=30	Pass
		Inner Full	20.78	21.11	23.96	21.18	21.61	24.41	<=30	Pass
		Inner 1RB Left	21.35	21.21	24.29	21.75	21.71	24.74	<=30	Pass
		Inner 1RB Right	20.89	21.20	24.06	21.29	21.70	24.51	<=30	Pass
CP-OFDM 16 QAM	3725.01	Edge 1RB Left	19.27	19.26	22.27	19.67	19.76	22.73	<=30	Pass
		Edge 1RB Right	19.17	19.13	22.16	19.57	19.63	22.61	<=30	Pass
		Outer Full	19.47	19.64	22.57	19.87	20.14	23.02	<=30	Pass
		Inner Full	20.33	20.67	23.52	20.73	21.17	23.97	<=30	Pass
		Inner 1RB Left	20.76	20.78	23.78	21.16	21.28	24.23	<=30	Pass
		Inner 1RB Right	20.73	20.61	23.68	21.13	21.11	24.13	<=30	Pass
	3750	Edge 1RB Left	18.70	19.18	21.96	19.10	19.68	22.41	<=30	Pass
		Edge 1RB Right	18.81	18.88	21.86	19.21	19.38	22.31	<=30	Pass
		Outer Full	19.52	19.62	22.58	19.92	20.12	23.03	<=30	Pass
		Inner Full	20.79	20.68	23.74	21.19	21.18	24.20	<=30	Pass
		Inner 1RB Left	20.38	20.71	23.56	20.78	21.21	24.01	<=30	Pass
		Inner 1RB Right	20.47	20.55	23.52	20.87	21.05	23.97	<=30	Pass
	3774.99	Edge 1RB Left	19.43	19.24	22.34	19.83	19.74	22.80	<=30	Pass
		Edge 1RB Right	18.92	19.27	22.11	19.32	19.77	22.56	<=30	Pass
		Outer Full	19.33	19.69	22.52	19.73	20.19	22.98	<=30	Pass
		Inner Full	20.32	20.69	23.52	20.72	21.19	23.97	<=30	Pass
		Inner 1RB Left	20.88	20.78	23.84	21.28	21.28	24.29	<=30	Pass
		Inner 1RB Right	20.25	20.65	23.47	20.65	21.15	23.92	<=30	Pass
CP-OFDM 64 QAM	3725.01	Edge 1RB Left	19.43	19.36	22.40	19.83	19.86	22.86	<=30	Pass
		Edge 1RB Right	19.18	19.26	22.23	19.58	19.76	22.68	<=30	Pass
		Outer Full	19.01	19.07	22.05	19.41	19.57	22.50	<=30	Pass
		Inner Full	18.83	19.07	21.96	19.23	19.57	22.41	<=30	Pass
		Inner 1RB Left	19.28	19.17	22.24	19.68	19.67	22.69	<=30	Pass
		Inner 1RB Right	19.13	19.21	22.18	19.53	19.71	22.63	<=30	Pass
	3750	Edge 1RB Left	18.59	19.26	21.95	18.99	19.76	22.40	<=30	Pass
		Edge 1RB Right	18.65	19.10	21.89	19.05	19.60	22.34	<=30	Pass
		Outer Full	19.08	19.16	22.13	19.48	19.66	22.58	<=30	Pass
		Inner Full	19.26	19.21	22.25	19.66	19.71	22.70	<=30	Pass
		Inner 1RB Left	18.60	19.29	21.97	19.00	19.79	22.42	<=30	Pass
		Inner 1RB Right	18.54	19.01	21.79	18.94	19.51	22.24	<=30	Pass
	3774.99	Edge 1RB Left	19.37	19.30	22.35	19.77	19.80	22.80	<=30	Pass
		Edge 1RB Right	18.79	19.31	22.07	19.19	19.81	22.52	<=30	Pass
		Outer Full	18.86	19.16	22.02	19.26	19.66	22.47	<=30	Pass
		Inner Full	18.81	19.19	22.01	19.21	19.69	22.47	<=30	Pass
		Inner 1RB Left	19.20	19.25	22.24	19.60	19.75	22.69	<=30	Pass
		Inner 1RB Right	18.64	19.24	21.96	19.04	19.74	22.41	<=30	Pass
CP-OFDM 256 QAM	3725.01	Edge 1RB Left	16.25	16.47	19.37	16.65	16.97	19.82	<=30	Pass
		Edge 1RB Right	16.11	16.29	19.21	16.51	16.79	19.66	<=30	Pass

		Outer_Full	15.94	16.20	19.08	16.34	16.70	19.53	<=30	Pass
		Inner_Full	15.84	16.11	18.99	16.24	16.61	19.44	<=30	Pass
		Inner_1RB_Left	16.30	16.53	19.43	16.70	17.03	19.88	<=30	Pass
		Inner_1RB_Right	16.13	16.34	19.25	16.53	16.84	19.70	<=30	Pass
	3750	Edge_1RB_Left	15.63	16.42	19.05	16.03	16.92	19.51	<=30	Pass
		Edge_1RB_Right	15.59	16.27	18.95	15.99	16.77	19.41	<=30	Pass
		Outer_Full	16.10	16.23	19.18	16.50	16.73	19.63	<=30	Pass
		Inner_Full	16.31	16.32	19.32	16.71	16.82	19.78	<=30	Pass
		Inner_1RB_Left	15.57	16.34	18.98	15.97	16.84	19.44	<=30	Pass
		Inner_1RB_Right	15.63	16.22	18.95	16.03	16.72	19.40	<=30	Pass
	3774.99	Edge_1RB_Left	16.29	16.49	19.40	16.69	16.99	19.85	<=30	Pass
		Edge_1RB_Right	15.73	16.34	19.05	16.13	16.84	19.51	<=30	Pass
		Outer_Full	15.80	16.23	19.03	16.20	16.73	19.48	<=30	Pass
		Inner_Full	15.80	16.14	18.99	16.20	16.64	19.44	<=30	Pass
		Inner_1RB_Left	16.25	16.36	19.32	16.65	16.86	19.77	<=30	Pass
		Inner_1RB_Right	15.74	16.33	19.06	16.14	16.83	19.51	<=30	Pass
Note1: Antenna Gain: Ant3: 0.40dBi; Ant7: 0.50dBi; 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_60MHz_NTNV_EIRP

1.5.1 Test Result

5G NR n78a 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	21.82	21.34	/	22.22	21.84	/	<=30	Pass
		Edge_1RB_Right	22.15	21.71	/	22.55	22.21	/	<=30	Pass
		Outer_Full	24.93	24.70	/	25.33	25.2	/	<=30	Pass
		Inner_Full	25.22	25.17	/	25.62	25.67	/	<=30	Pass
		Inner_1RB_Left	25.27	25.00	/	25.67	25.5	/	<=30	Pass
		Inner_1RB_Right	25.58	25.15	/	25.98	25.65	/	<=30	Pass
	3750	Edge_1RB_Left	21.75	21.47	/	22.15	21.97	/	<=30	Pass
		Edge_1RB_Right	21.61	21.55	/	22.01	22.05	/	<=30	Pass
		Outer_Full	24.83	24.68	/	25.23	25.18	/	<=30	Pass
		Inner_Full	25.47	25.24	/	25.87	25.74	/	<=30	Pass
		Inner_1RB_Left	25.14	25.08	/	25.54	25.58	/	<=30	Pass
		Inner_1RB_Right	25.16	24.99	/	25.56	25.49	/	<=30	Pass
	3769.98	Edge_1RB_Left	21.41	21.64	/	21.81	22.14	/	<=30	Pass
		Edge_1RB_Right	21.42	21.37	/	21.82	21.87	/	<=30	Pass
		Outer_Full	24.78	24.61	/	25.18	25.11	/	<=30	Pass
		Inner_Full	25.43	25.17	/	25.83	25.67	/	<=30	Pass
		Inner_1RB_Left	24.95	24.98	/	25.35	25.48	/	<=30	Pass
		Inner_1RB_Right	25.02	24.89	/	25.42	25.39	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	21.78	21.32	/	22.18	21.82	/	<=30	Pass
		Edge_1RB_Right	21.98	21.47	/	22.38	21.97	/	<=30	Pass
		Outer_Full	24.38	24.18	/	24.78	24.68	/	<=30	Pass
		Inner_Full	25.17	25.19	/	25.57	25.69	/	<=30	Pass
		Inner_1RB_Left	25.24	24.94	/	25.64	25.44	/	<=30	Pass
		Inner_1RB_Right	25.45	25.13	/	25.85	25.63	/	<=30	Pass
	3750	Edge_1RB_Left	21.62	21.50	/	22.02	22	/	<=30	Pass
		Edge_1RB_Right	21.51	21.45	/	21.91	21.95	/	<=30	Pass
		Outer_Full	24.34	24.23	/	24.74	24.73	/	<=30	Pass
		Inner_Full	25.43	25.24	/	25.83	25.74	/	<=30	Pass
		Inner_1RB_Left	25.14	25.03	/	25.54	25.53	/	<=30	Pass
		Inner_1RB_Right	25.18	24.99	/	25.58	25.49	/	<=30	Pass

	3769.98	Edge_1RB_Left	21.36	21.48	/	21.76	21.98	/	<=30	Pass
		Edge_1RB_Right	21.41	21.30	/	21.81	21.8	/	<=30	Pass
		Outer_Full	24.39	23.99	/	24.79	24.49	/	<=30	Pass
		Inner_Full	25.36	25.08	/	25.76	25.58	/	<=30	Pass
		Inner_1RB_Left	24.89	25.08	/	25.29	25.58	/	<=30	Pass
		Inner_1RB_Right	24.95	24.92	/	25.35	25.42	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.83	21.46	/	22.23	21.96	/	<=30	Pass
		Edge_1RB_Right	22.04	21.40	/	22.44	21.9	/	<=30	Pass
		Outer_Full	23.46	23.22	/	23.86	23.72	/	<=30	Pass
		Inner_Full	24.24	24.16	/	24.64	24.66	/	<=30	Pass
		Inner_1RB_Left	24.17	23.83	/	24.57	24.33	/	<=30	Pass
		Inner_1RB_Right	24.39	23.98	/	24.79	24.48	/	<=30	Pass
	3750	Edge_1RB_Left	21.67	21.34	/	22.07	21.84	/	<=30	Pass
		Edge_1RB_Right	21.58	21.52	/	21.98	22.02	/	<=30	Pass
		Outer_Full	23.39	23.10	/	23.79	23.6	/	<=30	Pass
		Inner_Full	24.46	24.22	/	24.86	24.72	/	<=30	Pass
		Inner_1RB_Left	23.99	24.02	/	24.39	24.52	/	<=30	Pass
		Inner_1RB_Right	23.94	23.98	/	24.34	24.48	/	<=30	Pass
	3769.98	Edge_1RB_Left	21.42	21.52	/	21.82	22.02	/	<=30	Pass
		Edge_1RB_Right	21.28	21.34	/	21.68	21.84	/	<=30	Pass
		Outer_Full	23.21	23.10	/	23.61	23.6	/	<=30	Pass
		Inner_Full	24.31	24.12	/	24.71	24.62	/	<=30	Pass
		Inner_1RB_Left	23.80	24.03	/	24.20	24.53	/	<=30	Pass
		Inner_1RB_Right	23.79	23.78	/	24.19	24.28	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	21.89	21.55	/	22.29	22.05	/	<=30	Pass
		Edge_1RB_Right	22.09	21.68	/	22.49	22.18	/	<=30	Pass
		Outer_Full	22.76	22.71	/	23.16	23.21	/	<=30	Pass
		Inner_Full	22.74	22.75	/	23.14	23.25	/	<=30	Pass
		Inner_1RB_Left	22.88	22.50	/	23.28	23	/	<=30	Pass
		Inner_1RB_Right	23.12	22.65	/	23.52	23.15	/	<=30	Pass
	3750	Edge_1RB_Left	21.90	21.70	/	22.30	22.2	/	<=30	Pass
		Edge_1RB_Right	21.63	21.57	/	22.03	22.07	/	<=30	Pass
		Outer_Full	22.87	22.69	/	23.27	23.19	/	<=30	Pass
		Inner_Full	22.90	22.70	/	23.30	23.2	/	<=30	Pass
		Inner_1RB_Left	22.79	22.65	/	23.19	23.15	/	<=30	Pass
		Inner_1RB_Right	22.62	22.64	/	23.02	23.14	/	<=30	Pass
	3769.98	Edge_1RB_Left	21.61	21.65	/	22.01	22.15	/	<=30	Pass
		Edge_1RB_Right	21.56	21.43	/	21.96	21.93	/	<=30	Pass
		Outer_Full	22.71	22.65	/	23.11	23.15	/	<=30	Pass
		Inner_Full	22.89	22.59	/	23.29	23.09	/	<=30	Pass
		Inner_1RB_Left	22.52	22.69	/	22.92	23.19	/	<=30	Pass
		Inner_1RB_Right	22.46	22.52	/	22.86	23.02	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Edge_1RB_Left	20.71	20.41	/	21.11	20.91	/	<=30	Pass
		Edge_1RB_Right	21.09	20.55	/	21.49	21.05	/	<=30	Pass
		Outer_Full	20.89	20.73	/	21.29	21.23	/	<=30	Pass
		Inner_Full	20.83	20.67	/	21.23	21.17	/	<=30	Pass
		Inner_1RB_Left	20.77	20.49	/	21.17	20.99	/	<=30	Pass
		Inner_1RB_Right	21.04	20.58	/	21.44	21.08	/	<=30	Pass
	3750	Edge_1RB_Left	20.55	20.53	/	20.95	21.03	/	<=30	Pass
		Edge_1RB_Right	20.65	20.44	/	21.05	20.94	/	<=30	Pass
		Outer_Full	21.00	20.61	/	21.40	21.11	/	<=30	Pass
		Inner_Full	20.94	20.76	/	21.34	21.26	/	<=30	Pass
		Inner_1RB_Left	20.78	20.54	/	21.18	21.04	/	<=30	Pass
		Inner_1RB_Right	20.63	20.55	/	21.03	21.05	/	<=30	Pass
	3769.98	Edge_1RB_Left	20.53	20.59	/	20.93	21.09	/	<=30	Pass
		Edge_1RB_Right	20.47	20.29	/	20.87	20.79	/	<=30	Pass
		Outer_Full	20.72	20.67	/	21.12	21.17	/	<=30	Pass
		Inner_Full	20.83	20.50	/	21.23	21	/	<=30	Pass
		Inner_1RB_Left	20.55	20.52	/	20.95	21.02	/	<=30	Pass

		Inner 1RB Right	20.45	20.31	/	20.85	20.81	/	<=30	Pass
CP-OFDM QPSK	3730.02	Edge 1RB Left	21.92	21.49	/	22.32	21.99	/	<=30	Pass
		Edge 1RB Right	22.18	21.63	/	22.58	22.13	/	<=30	Pass
		Outer Full	22.49	22.16	/	22.89	22.66	/	<=30	Pass
		Inner Full	23.78	23.75	/	24.18	24.25	/	<=30	Pass
		Inner 1RB Left	23.87	23.40	/	24.27	23.9	/	<=30	Pass
		Inner 1RB Right	24.07	23.62	/	24.47	24.12	/	<=30	Pass
	3750	Edge 1RB Left	21.78	21.66	/	22.18	22.16	/	<=30	Pass
		Edge 1RB Right	21.67	21.56	/	22.07	22.06	/	<=30	Pass
		Outer Full	22.37	22.15	/	22.77	22.65	/	<=30	Pass
		Inner Full	23.96	23.71	/	24.36	24.21	/	<=30	Pass
		Inner 1RB Left	23.96	23.65	/	24.36	24.15	/	<=30	Pass
		Inner 1RB Right	23.70	23.58	/	24.10	24.08	/	<=30	Pass
	3769.98	Edge 1RB Left	21.45	21.68	/	21.85	22.18	/	<=30	Pass
		Edge 1RB Right	21.58	21.34	/	21.98	21.84	/	<=30	Pass
		Outer Full	22.17	22.07	/	22.57	22.57	/	<=30	Pass
		Inner Full	23.85	23.59	/	24.25	24.09	/	<=30	Pass
		Inner 1RB Left	23.48	23.65	/	23.88	24.15	/	<=30	Pass
		Inner 1RB Right	23.48	23.51	/	23.88	24.01	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge 1RB Left	21.74	21.38	/	22.14	21.88	/	<=30	Pass
		Edge 1RB Right	22.01	21.56	/	22.41	22.06	/	<=30	Pass
		Outer Full	22.41	22.15	/	22.81	22.65	/	<=30	Pass
		Inner Full	23.23	23.24	/	23.63	23.74	/	<=30	Pass
		Inner 1RB Left	23.31	22.75	/	23.71	23.25	/	<=30	Pass
		Inner 1RB Right	23.41	22.95	/	23.81	23.45	/	<=30	Pass
	3750	Edge 1RB Left	21.54	21.34	/	21.94	21.84	/	<=30	Pass
		Edge 1RB Right	21.42	21.35	/	21.82	21.85	/	<=30	Pass
		Outer Full	22.45	22.19	/	22.85	22.69	/	<=30	Pass
		Inner Full	23.48	23.25	/	23.88	23.75	/	<=30	Pass
		Inner 1RB Left	23.04	22.96	/	23.44	23.46	/	<=30	Pass
		Inner 1RB Right	22.92	22.95	/	23.32	23.45	/	<=30	Pass
	3769.98	Edge 1RB Left	21.41	21.32	/	21.81	21.82	/	<=30	Pass
		Edge 1RB Right	21.52	21.20	/	21.92	21.7	/	<=30	Pass
		Outer Full	22.25	22.14	/	22.65	22.64	/	<=30	Pass
		Inner Full	23.42	23.14	/	23.82	23.64	/	<=30	Pass
		Inner 1RB Left	22.84	23.09	/	23.24	23.59	/	<=30	Pass
		Inner 1RB Right	23.01	22.82	/	23.41	23.32	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge 1RB Left	21.89	21.62	/	22.29	22.12	/	<=30	Pass
		Edge 1RB Right	22.05	21.65	/	22.45	22.15	/	<=30	Pass
		Outer Full	21.90	21.67	/	22.30	22.17	/	<=30	Pass
		Inner Full	21.85	21.76	/	22.25	22.26	/	<=30	Pass
		Inner 1RB Left	21.99	21.67	/	22.39	22.17	/	<=30	Pass
		Inner 1RB Right	22.29	21.64	/	22.69	22.14	/	<=30	Pass
	3750	Edge 1RB Left	21.78	21.62	/	22.18	22.12	/	<=30	Pass
		Edge 1RB Right	21.72	21.59	/	22.12	22.09	/	<=30	Pass
		Outer Full	21.96	21.69	/	22.36	22.19	/	<=30	Pass
		Inner Full	21.94	21.68	/	22.34	22.18	/	<=30	Pass
		Inner 1RB Left	21.75	21.58	/	22.15	22.08	/	<=30	Pass
		Inner 1RB Right	21.69	21.59	/	22.09	22.09	/	<=30	Pass
	3769.98	Edge 1RB Left	21.60	21.47	/	22.00	21.97	/	<=30	Pass
		Edge 1RB Right	21.59	21.37	/	21.99	21.87	/	<=30	Pass
		Outer Full	21.84	21.60	/	22.24	22.1	/	<=30	Pass
		Inner Full	21.96	21.58	/	22.36	22.08	/	<=30	Pass
		Inner 1RB Left	21.63	21.47	/	22.03	21.97	/	<=30	Pass
		Inner 1RB Right	21.76	21.54	/	22.16	22.04	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge 1RB Left	18.83	18.45	/	19.23	18.95	/	<=30	Pass
		Edge 1RB Right	19.09	18.60	/	19.49	19.1	/	<=30	Pass
		Outer Full	18.90	18.66	/	19.30	19.16	/	<=30	Pass
		Inner Full	18.70	18.64	/	19.10	19.14	/	<=30	Pass

		Inner_1RB_Left	18.77	18.44	/	19.17	18.94	/	<=30	Pass
		Inner_1RB_Right	19.13	18.66	/	19.53	19.16	/	<=30	Pass
	3750	Edge_1RB_Left	18.74	18.57	/	19.14	19.07	/	<=30	Pass
		Edge_1RB_Right	18.66	18.57	/	19.06	19.07	/	<=30	Pass
		Outer_Full	18.92	18.66	/	19.32	19.16	/	<=30	Pass
		Inner_Full	19.04	18.61	/	19.44	19.11	/	<=30	Pass
		Inner_1RB_Left	18.70	18.57	/	19.10	19.07	/	<=30	Pass
		Inner_1RB_Right	18.73	18.57	/	19.13	19.07	/	<=30	Pass
	3769.98	Edge_1RB_Left	18.60	18.37	/	19.00	18.87	/	<=30	Pass
		Edge_1RB_Right	18.47	18.29	/	18.87	18.79	/	<=30	Pass
		Outer_Full	18.83	18.47	/	19.23	18.97	/	<=30	Pass
		Inner_Full	18.91	18.47	/	19.31	18.97	/	<=30	Pass
		Inner_1RB_Left	18.59	18.52	/	18.99	19.02	/	<=30	Pass
		Inner_1RB_Right	18.55	18.37	/	18.95	18.87	/	<=30	Pass
Note1: Antenna Gain: Ant7: 0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n78a 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	19.39	19.17	22.29	19.79	19.67	22.74	<=30	Pass
		Edge 1RB Right	19.49	19.16	22.34	19.89	19.66	22.79	<=30	Pass
		Outer Full	19.57	19.61	22.60	19.97	20.11	23.05	<=30	Pass
		Inner Full	20.91	21.08	24.00	21.31	21.58	24.46	<=30	Pass
		Inner 1RB Left	21.45	21.34	24.41	21.85	21.84	24.86	<=30	Pass
		Inner 1RB Right	21.28	21.11	24.21	21.68	21.61	24.66	<=30	Pass
	3750	Edge 1RB Left	18.71	19.33	22.04	19.11	19.83	22.50	<=30	Pass
		Edge 1RB Right	18.58	19.25	21.94	18.98	19.75	22.39	<=30	Pass
		Outer Full	19.49	19.58	22.54	19.89	20.08	23.00	<=30	Pass
		Inner Full	21.13	21.16	24.16	21.53	21.66	24.61	<=30	Pass
		Inner 1RB Left	20.66	21.30	24.00	21.06	21.80	24.46	<=30	Pass
		Inner 1RB Right	20.60	21.25	23.95	21.00	21.75	24.40	<=30	Pass
	3769.98	Edge 1RB Left	18.93	19.10	22.03	19.33	19.60	22.48	<=30	Pass
		Edge 1RB Right	18.81	19.24	22.04	19.21	19.74	22.49	<=30	Pass
		Outer Full	19.34	19.59	22.48	19.74	20.09	22.93	<=30	Pass
		Inner Full	20.85	20.97	23.92	21.25	21.47	24.37	<=30	Pass
		Inner 1RB Left	20.93	20.99	23.97	21.33	21.49	24.42	<=30	Pass
		Inner 1RB Right	20.85	21.18	24.02	21.25	21.68	24.48	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge 1RB Left	19.31	19.28	22.30	19.71	19.78	22.76	<=30	Pass
		Edge 1RB Right	19.31	19.10	22.22	19.71	19.60	22.67	<=30	Pass
		Outer Full	19.57	19.65	22.62	19.97	20.15	23.07	<=30	Pass
		Inner Full	20.39	20.62	23.51	20.79	21.12	23.97	<=30	Pass
		Inner 1RB Left	20.72	21.00	23.87	21.12	21.50	24.32	<=30	Pass
		Inner 1RB Right	20.65	20.69	23.68	21.05	21.19	24.13	<=30	Pass
	3750	Edge 1RB Left	18.53	19.36	21.97	18.93	19.86	22.43	<=30	Pass
		Edge 1RB Right	18.45	19.25	21.88	18.85	19.75	22.33	<=30	Pass
		Outer Full	19.45	19.64	22.56	19.85	20.14	23.01	<=30	Pass
		Inner Full	20.74	20.66	23.71	21.14	21.16	24.16	<=30	Pass
		Inner 1RB Left	20.21	20.92	23.59	20.61	21.42	24.04	<=30	Pass
		Inner 1RB Right	20.08	20.62	23.37	20.48	21.12	23.82	<=30	Pass
	3769.98	Edge 1RB Left	18.96	19.10	22.04	19.36	19.60	22.49	<=30	Pass
		Edge 1RB Right	18.86	19.28	22.08	19.26	19.78	22.54	<=30	Pass
		Outer Full	19.28	19.58	22.44	19.68	20.08	22.89	<=30	Pass
		Inner Full	20.29	20.46	23.39	20.69	20.96	23.84	<=30	Pass
		Inner 1RB Left	20.62	20.52	23.58	21.02	21.02	24.03	<=30	Pass
		Inner 1RB Right	20.81	20.74	23.79	21.21	21.24	24.24	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge 1RB Left	19.33	19.14	22.25	19.73	19.64	22.70	<=30	Pass
		Edge 1RB Right	19.40	18.99	22.21	19.80	19.49	22.66	<=30	Pass

		Outer_Full	19.09	19.06	22.08	19.49	19.56	22.54	<=30	Pass
		Inner_Full	18.92	19.09	22.02	19.32	19.59	22.47	<=30	Pass
		Inner_1RB_Left	19.29	19.07	22.19	19.69	19.57	22.64	<=30	Pass
		Inner_1RB_Right	19.41	19.03	22.24	19.81	19.53	22.68	<=30	Pass
	3750	Edge_1RB_Left	18.83	19.09	21.97	19.23	19.59	22.42	<=30	Pass
		Edge_1RB_Right	18.62	18.96	21.80	19.02	19.46	22.26	<=30	Pass
		Outer_Full	18.96	19.09	22.04	19.36	19.59	22.49	<=30	Pass
		Inner_Full	19.20	19.13	22.18	19.60	19.63	22.63	<=30	Pass
	3769.98	Inner_1RB_Left	18.70	19.09	21.91	19.10	19.59	22.36	<=30	Pass
		Inner_1RB_Right	18.66	19.07	21.88	19.06	19.57	22.33	<=30	Pass
		Edge_1RB_Left	18.68	19.14	21.93	19.08	19.64	22.38	<=30	Pass
		Edge_1RB_Right	18.68	19.44	22.09	19.08	19.94	22.54	<=30	Pass
		Outer_Full	18.84	19.05	21.95	19.24	19.55	22.41	<=30	Pass
		Inner_Full	18.76	19.02	21.90	19.16	19.52	22.35	<=30	Pass
		Inner_1RB_Left	18.64	18.96	21.81	19.04	19.46	22.27	<=30	Pass
		Inner_1RB_Right	18.63	19.31	21.99	19.03	19.81	22.45	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge_1RB_Left	16.13	16.42	19.29	16.53	16.92	19.74	<=30	Pass
		Edge_1RB_Right	16.18	16.33	19.26	16.58	16.83	19.72	<=30	Pass
		Outer_Full	16.22	16.24	19.24	16.62	16.74	19.69	<=30	Pass
		Inner_Full	15.82	16.21	19.03	16.22	16.71	19.48	<=30	Pass
	3750	Inner_1RB_Left	16.09	16.37	19.25	16.49	16.87	19.69	<=30	Pass
		Inner_1RB_Right	16.18	16.23	19.21	16.58	16.73	19.67	<=30	Pass
		Edge_1RB_Left	15.56	16.31	18.96	15.96	16.81	19.42	<=30	Pass
		Edge_1RB_Right	15.45	16.27	18.89	15.85	16.77	19.34	<=30	Pass
	3769.98	Outer_Full	15.98	16.20	19.11	16.38	16.70	19.55	<=30	Pass
		Inner_Full	16.17	16.18	19.19	16.57	16.68	19.64	<=30	Pass
		Inner_1RB_Left	15.61	16.32	18.99	16.01	16.82	19.44	<=30	Pass
		Inner_1RB_Right	15.59	16.34	18.99	15.99	16.84	19.45	<=30	Pass
		Edge_1RB_Left	16.22	15.89	19.07	16.62	16.39	19.52	<=30	Pass
		Edge_1RB_Right	15.97	16.20	19.10	16.37	16.70	19.55	<=30	Pass
		Outer_Full	15.83	16.03	18.94	16.23	16.53	19.39	<=30	Pass
		Inner_Full	15.85	15.92	18.90	16.25	16.42	19.35	<=30	Pass
	Inner_1RB_Left	16.03	15.89	18.97	16.43	16.39	19.42	<=30	Pass	
	Inner_1RB_Right	16.00	16.15	19.09	16.40	16.65	19.54	<=30	Pass	
Note1: Antenna Gain: Ant3: 0.40dBi; Ant7: 0.50dBi; 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_70MHz_NTNV_EIRP

1.6.1 Test Result

5G NR n78a SCS=30kHz SISO 70MHz 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	3735	Edge_1RB_Left	21.67	21.35	/	22.07	21.85	/	<=30	Pass
		Edge_1RB_Right	21.75	21.26	/	22.15	21.76	/	<=30	Pass
		Outer_Full	24.75	24.58	/	25.15	25.08	/	<=30	Pass
		Inner_Full	24.99	25.12	/	25.39	25.62	/	<=30	Pass
		Inner_1RB_Left	25.18	24.91	/	25.58	25.41	/	<=30	Pass
	3750	Inner_1RB_Right	25.26	24.87	/	25.66	25.37	/	<=30	Pass
		Edge_1RB_Left	21.82	21.46	/	22.22	21.96	/	<=30	Pass
		Edge_1RB_Right	21.25	21.26	/	21.65	21.76	/	<=30	Pass
		Outer_Full	24.68	24.53	/	25.08	25.03	/	<=30	Pass
		Inner_Full	25.17	25.13	/	25.57	25.63	/	<=30	Pass

		Inner_1RB_Left	25.27	24.91	/	25.67	25.41	/	<=30	Pass
		Inner_1RB_Right	24.80	24.84	/	25.20	25.34	/	<=30	Pass
	3765	Edge_1RB_Left	21.30	21.59	/	21.70	22.09	/	<=30	Pass
		Edge_1RB_Right	21.22	21.20	/	21.62	21.7	/	<=30	Pass
		Outer_Full	24.49	24.42	/	24.89	24.92	/	<=30	Pass
		Inner_Full	25.17	25.01	/	25.57	25.51	/	<=30	Pass
		Inner_1RB_Left	24.70	25.07	/	25.10	25.57	/	<=30	Pass
		Inner_1RB_Right	24.71	24.64	/	25.11	25.14	/	<=30	Pass
DFT-s-OFDM QPSK	3735	Edge_1RB_Left	21.64	21.37	/	22.04	21.87	/	<=30	Pass
		Edge_1RB_Right	21.66	21.23	/	22.06	21.73	/	<=30	Pass
		Outer_Full	24.10	24.12	/	24.50	24.62	/	<=30	Pass
		Inner_Full	25.05	25.07	/	25.45	25.57	/	<=30	Pass
		Inner_1RB_Left	25.15	24.92	/	25.55	25.42	/	<=30	Pass
		Inner_1RB_Right	25.15	24.86	/	25.55	25.36	/	<=30	Pass
	3750	Edge_1RB_Left	21.80	21.37	/	22.20	21.87	/	<=30	Pass
		Edge_1RB_Right	21.13	21.17	/	21.53	21.67	/	<=30	Pass
		Outer_Full	24.18	24.05	/	24.58	24.55	/	<=30	Pass
		Inner_Full	25.22	25.04	/	25.62	25.54	/	<=30	Pass
		Inner_1RB_Left	25.19	24.96	/	25.59	25.46	/	<=30	Pass
		Inner_1RB_Right	24.63	24.78	/	25.03	25.28	/	<=30	Pass
	3765	Edge_1RB_Left	21.16	21.55	/	21.56	22.05	/	<=30	Pass
		Edge_1RB_Right	21.26	21.19	/	21.66	21.69	/	<=30	Pass
		Outer_Full	24.12	24.02	/	24.52	24.52	/	<=30	Pass
		Inner_Full	25.19	25.02	/	25.59	25.52	/	<=30	Pass
		Inner_1RB_Left	24.77	25.09	/	25.17	25.59	/	<=30	Pass
		Inner_1RB_Right	24.70	24.71	/	25.10	25.21	/	<=30	Pass
DFT-s-OFDM 16 QAM	3735	Edge_1RB_Left	21.60	21.37	/	22.00	21.87	/	<=30	Pass
		Edge_1RB_Right	21.70	21.20	/	22.10	21.7	/	<=30	Pass
		Outer_Full	23.12	23.15	/	23.52	23.65	/	<=30	Pass
		Inner_Full	24.04	24.10	/	24.44	24.6	/	<=30	Pass
		Inner_1RB_Left	24.06	23.87	/	24.46	24.37	/	<=30	Pass
		Inner_1RB_Right	24.08	23.74	/	24.48	24.24	/	<=30	Pass
	3750	Edge_1RB_Left	21.67	21.40	/	22.07	21.9	/	<=30	Pass
		Edge_1RB_Right	21.06	21.20	/	21.46	21.7	/	<=30	Pass
		Outer_Full	23.23	23.01	/	23.63	23.51	/	<=30	Pass
		Inner_Full	24.24	24.04	/	24.64	24.54	/	<=30	Pass
		Inner_1RB_Left	24.07	23.90	/	24.47	24.4	/	<=30	Pass
		Inner_1RB_Right	23.36	23.55	/	23.76	24.05	/	<=30	Pass
	3765	Edge_1RB_Left	21.11	21.46	/	21.51	21.96	/	<=30	Pass
		Edge_1RB_Right	21.08	21.09	/	21.48	21.59	/	<=30	Pass
		Outer_Full	23.10	22.99	/	23.50	23.49	/	<=30	Pass
		Inner_Full	24.26	23.94	/	24.66	24.44	/	<=30	Pass
		Inner_1RB_Left	23.63	24.04	/	24.03	24.54	/	<=30	Pass
		Inner_1RB_Right	23.53	23.61	/	23.93	24.11	/	<=30	Pass
DFT-s-OFDM 64 QAM	3735	Edge_1RB_Left	21.73	21.45	/	22.13	21.95	/	<=30	Pass
		Edge_1RB_Right	21.83	21.40	/	22.23	21.9	/	<=30	Pass
		Outer_Full	22.70	22.63	/	23.10	23.13	/	<=30	Pass
		Inner_Full	22.45	22.59	/	22.85	23.09	/	<=30	Pass
		Inner_1RB_Left	22.69	22.44	/	23.09	22.94	/	<=30	Pass
		Inner_1RB_Right	22.77	22.40	/	23.17	22.9	/	<=30	Pass
	3750	Edge_1RB_Left	22.10	21.60	/	22.50	22.1	/	<=30	Pass
		Edge_1RB_Right	21.27	21.33	/	21.67	21.83	/	<=30	Pass
		Outer_Full	22.77	22.56	/	23.17	23.06	/	<=30	Pass
		Inner_Full	22.71	22.54	/	23.11	23.04	/	<=30	Pass
		Inner_1RB_Left	22.87	22.70	/	23.27	23.2	/	<=30	Pass
		Inner_1RB_Right	22.40	22.21	/	22.80	22.71	/	<=30	Pass
	3765	Edge_1RB_Left	21.38	21.73	/	21.78	22.23	/	<=30	Pass
		Edge_1RB_Right	21.25	21.34	/	21.65	21.84	/	<=30	Pass
		Outer_Full	22.49	22.54	/	22.89	23.04	/	<=30	Pass

		Inner_Full	22.77	22.50	/	23.17	23	/	<=30	Pass
		Inner_1RB_Left	22.36	22.70	/	22.76	23.2	/	<=30	Pass
		Inner_1RB_Right	22.27	22.22	/	22.67	22.72	/	<=30	Pass
DFT-s-OFDM 256 QAM	3735	Edge_1RB_Left	20.52	20.34	/	20.92	20.84	/	<=30	Pass
		Edge_1RB_Right	20.75	20.25	/	21.15	20.75	/	<=30	Pass
		Outer_Full	20.69	20.55	/	21.09	21.05	/	<=30	Pass
		Inner_Full	20.59	20.66	/	20.99	21.16	/	<=30	Pass
		Inner_1RB_Left	20.56	20.36	/	20.96	20.86	/	<=30	Pass
		Inner_1RB_Right	20.80	20.27	/	21.20	20.77	/	<=30	Pass
	3750	Edge_1RB_Left	20.80	20.40	/	21.20	20.9	/	<=30	Pass
		Edge_1RB_Right	20.14	20.21	/	20.54	20.71	/	<=30	Pass
		Outer_Full	20.71	20.52	/	21.11	21.02	/	<=30	Pass
		Inner_Full	20.76	20.55	/	21.16	21.05	/	<=30	Pass
		Inner_1RB_Left	20.73	20.37	/	21.13	20.87	/	<=30	Pass
		Inner_1RB_Right	20.22	20.21	/	20.62	20.71	/	<=30	Pass
	3765	Edge_1RB_Left	20.16	20.51	/	20.56	21.01	/	<=30	Pass
		Edge_1RB_Right	20.11	20.21	/	20.51	20.71	/	<=30	Pass
		Outer_Full	20.52	20.41	/	20.92	20.91	/	<=30	Pass
		Inner_Full	20.78	20.51	/	21.18	21.01	/	<=30	Pass
		Inner_1RB_Left	20.17	20.50	/	20.57	21	/	<=30	Pass
		Inner_1RB_Right	20.25	20.20	/	20.65	20.7	/	<=30	Pass
CP-OFDM QPSK	3735	Edge_1RB_Left	21.72	21.46	/	22.12	21.96	/	<=30	Pass
		Edge_1RB_Right	21.93	21.38	/	22.33	21.88	/	<=30	Pass
		Outer_Full	22.08	21.90	/	22.48	22.4	/	<=30	Pass
		Inner_Full	23.47	23.66	/	23.87	24.16	/	<=30	Pass
		Inner_1RB_Left	23.81	23.48	/	24.21	23.98	/	<=30	Pass
		Inner_1RB_Right	23.85	23.33	/	24.25	23.83	/	<=30	Pass
	3750	Edge_1RB_Left	21.95	21.60	/	22.35	22.1	/	<=30	Pass
		Edge_1RB_Right	21.21	21.19	/	21.61	21.69	/	<=30	Pass
		Outer_Full	22.20	22.07	/	22.60	22.57	/	<=30	Pass
		Inner_Full	23.82	23.63	/	24.22	24.13	/	<=30	Pass
		Inner_1RB_Left	23.96	23.49	/	24.36	23.99	/	<=30	Pass
		Inner_1RB_Right	23.34	23.17	/	23.74	23.67	/	<=30	Pass
	3765	Edge_1RB_Left	21.36	21.65	/	21.76	22.15	/	<=30	Pass
		Edge_1RB_Right	21.36	21.29	/	21.76	21.79	/	<=30	Pass
		Outer_Full	22.02	22.00	/	22.42	22.5	/	<=30	Pass
		Inner_Full	23.70	23.51	/	24.10	24.01	/	<=30	Pass
		Inner_1RB_Left	23.40	23.71	/	23.80	24.21	/	<=30	Pass
		Inner_1RB_Right	23.41	23.23	/	23.81	23.73	/	<=30	Pass
CP-OFDM 16 QAM	3735	Edge_1RB_Left	21.63	21.41	/	22.03	21.91	/	<=30	Pass
		Edge_1RB_Right	21.67	21.27	/	22.07	21.77	/	<=30	Pass
		Outer_Full	22.19	21.98	/	22.59	22.48	/	<=30	Pass
		Inner_Full	22.97	22.97	/	23.37	23.47	/	<=30	Pass
		Inner_1RB_Left	23.23	22.91	/	23.63	23.41	/	<=30	Pass
		Inner_1RB_Right	23.21	22.74	/	23.61	23.24	/	<=30	Pass
	3750	Edge_1RB_Left	21.64	21.33	/	22.04	21.83	/	<=30	Pass
		Edge_1RB_Right	21.12	21.00	/	21.52	21.5	/	<=30	Pass
		Outer_Full	22.18	22.01	/	22.58	22.51	/	<=30	Pass
		Inner_Full	23.26	23.06	/	23.66	23.56	/	<=30	Pass
		Inner_1RB_Left	23.11	22.83	/	23.51	23.33	/	<=30	Pass
		Inner_1RB_Right	22.60	22.51	/	23.00	23.01	/	<=30	Pass
	3765	Edge_1RB_Left	21.02	21.61	/	21.42	22.11	/	<=30	Pass
		Edge_1RB_Right	21.16	21.13	/	21.56	21.63	/	<=30	Pass
		Outer_Full	22.06	21.92	/	22.46	22.42	/	<=30	Pass
		Inner_Full	23.18	23.03	/	23.58	23.53	/	<=30	Pass
		Inner_1RB_Left	22.63	22.85	/	23.03	23.35	/	<=30	Pass
		Inner_1RB_Right	22.76	22.56	/	23.16	23.06	/	<=30	Pass
CP-OFDM 64 QAM	3735	Edge_1RB_Left	21.94	21.35	/	22.34	21.85	/	<=30	Pass
		Edge_1RB_Right	21.93	21.28	/	22.33	21.78	/	<=30	Pass

		Outer_Full	21.72	21.64	/	22.12	22.14	/	<=30	Pass
		Inner_Full	21.45	21.70	/	21.85	22.2	/	<=30	Pass
		Inner_1RB_Left	21.86	21.45	/	22.26	21.95	/	<=30	Pass
		Inner_1RB_Right	21.86	21.29	/	22.26	21.79	/	<=30	Pass
	3750	Edge_1RB_Left	21.98	21.47	/	22.38	21.97	/	<=30	Pass
		Edge_1RB_Right	21.32	21.32	/	21.72	21.82	/	<=30	Pass
		Outer_Full	21.80	21.56	/	22.20	22.06	/	<=30	Pass
		Inner_Full	21.80	21.56	/	22.20	22.06	/	<=30	Pass
		Inner_1RB_Left	21.91	21.46	/	22.31	21.96	/	<=30	Pass
		Inner_1RB_Right	21.21	21.27	/	21.61	21.77	/	<=30	Pass
	3765	Edge_1RB_Left	21.33	21.77	/	21.73	22.27	/	<=30	Pass
		Edge_1RB_Right	21.20	21.30	/	21.60	21.8	/	<=30	Pass
		Outer_Full	21.61	21.44	/	22.01	21.94	/	<=30	Pass
		Inner_Full	21.75	21.51	/	22.15	22.01	/	<=30	Pass
		Inner_1RB_Left	21.40	21.65	/	21.80	22.15	/	<=30	Pass
		Inner_1RB_Right	21.35	21.33	/	21.75	21.83	/	<=30	Pass
CP-OFDM 256 QAM	3735	Edge_1RB_Left	18.74	18.31	/	19.14	18.81	/	<=30	Pass
		Edge_1RB_Right	18.89	18.17	/	19.29	18.67	/	<=30	Pass
		Outer_Full	18.65	18.51	/	19.05	19.01	/	<=30	Pass
		Inner_Full	18.42	18.56	/	18.82	19.06	/	<=30	Pass
		Inner_1RB_Left	18.82	18.47	/	19.22	18.97	/	<=30	Pass
		Inner_1RB_Right	18.76	18.32	/	19.16	18.82	/	<=30	Pass
	3750	Edge_1RB_Left	18.99	18.35	/	19.39	18.85	/	<=30	Pass
		Edge_1RB_Right	18.15	18.25	/	18.55	18.75	/	<=30	Pass
		Outer_Full	18.62	18.41	/	19.02	18.91	/	<=30	Pass
		Inner_Full	18.87	18.50	/	19.27	19	/	<=30	Pass
		Inner_1RB_Left	18.84	18.38	/	19.24	18.88	/	<=30	Pass
		Inner_1RB_Right	18.20	18.25	/	18.60	18.75	/	<=30	Pass
	3765	Edge_1RB_Left	18.15	18.55	/	18.55	19.05	/	<=30	Pass
		Edge_1RB_Right	18.12	18.20	/	18.52	18.7	/	<=30	Pass
		Outer_Full	18.51	18.34	/	18.91	18.84	/	<=30	Pass
		Inner_Full	18.79	18.49	/	19.19	18.99	/	<=30	Pass
		Inner_1RB_Left	18.41	18.50	/	18.81	19	/	<=30	Pass

5G NR n78a SCS=30kHz MIMO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3735	Edge_1RB_Left	19.21	19.14	22.19	19.61	19.64	22.64	<=30	Pass
		Edge_1RB_Right	18.73	18.98	21.87	19.13	19.48	22.32	<=30	Pass
		Outer_Full	19.35	19.57	22.47	19.75	20.07	22.92	<=30	Pass
		Inner_Full	20.77	21.09	23.94	21.17	21.59	24.40	<=30	Pass
		Inner_1RB_Left	21.12	21.08	24.11	21.52	21.58	24.56	<=30	Pass
		Inner_1RB_Right	20.80	20.82	23.82	21.20	21.32	24.27	<=30	Pass
	3750	Edge_1RB_Left	18.98	19.29	22.15	19.38	19.79	22.60	<=30	Pass
		Edge_1RB_Right	18.44	19.24	21.87	18.84	19.74	22.32	<=30	Pass
		Outer_Full	19.28	19.57	22.43	19.68	20.07	22.89	<=30	Pass
		Inner_Full	21.05	21.10	24.08	21.45	21.60	24.54	<=30	Pass
		Inner_1RB_Left	20.85	21.45	24.17	21.25	21.95	24.62	<=30	Pass
		Inner_1RB_Right	20.29	21.15	23.75	20.69	21.65	24.21	<=30	Pass
	3765	Edge_1RB_Left	18.69	19.05	21.88	19.09	19.55	22.34	<=30	Pass
		Edge_1RB_Right	18.59	19.17	21.90	18.99	19.67	22.35	<=30	Pass
		Outer_Full	19.15	19.43	22.30	19.55	19.93	22.75	<=30	Pass
		Inner_Full	20.81	20.96	23.90	21.21	21.46	24.35	<=30	Pass
		Inner_1RB_Left	20.47	20.94	23.72	20.87	21.44	24.17	<=30	Pass
		Inner_1RB_Right	20.55	21.28	23.94	20.95	21.78	24.40	<=30	Pass

CP-OFDM 16 QAM	3735	Edge_1RB_Left	19.23	19.25	22.25	19.63	19.75	22.70	<=30	Pass
		Edge_1RB_Right	18.89	18.87	21.89	19.29	19.37	22.34	<=30	
		Outer_Full	19.36	19.52	22.45	19.76	20.02	22.90	<=30	Pass
		Inner_Full	20.29	20.49	23.40	20.69	20.99	23.85	<=30	Pass
		Inner_1RB_Left	20.67	20.67	23.68	21.07	21.17	24.13	<=30	Pass
		Inner_1RB_Right	20.29	20.27	23.29	20.69	20.77	23.74	<=30	Pass
	3750	Edge_1RB_Left	18.90	19.16	22.04	19.30	19.66	22.49	<=30	Pass
		Edge_1RB_Right	18.48	19.11	21.82	18.88	19.61	22.27	<=30	Pass
		Outer_Full	19.28	19.57	22.44	19.68	20.07	22.89	<=30	Pass
		Inner_Full	20.52	20.62	23.58	20.92	21.12	24.03	<=30	Pass
		Inner_1RB_Left	20.44	20.77	23.62	20.84	21.27	24.07	<=30	Pass
		Inner_1RB_Right	19.86	20.54	23.22	20.26	21.04	23.68	<=30	Pass
	3765	Edge_1RB_Left	18.52	18.89	21.72	18.92	19.39	22.17	<=30	Pass
		Edge_1RB_Right	18.59	19.15	21.89	18.99	19.65	22.34	<=30	Pass
		Outer_Full	19.19	19.52	22.37	19.59	20.02	22.82	<=30	Pass
		Inner_Full	20.32	20.48	23.41	20.72	20.98	23.86	<=30	Pass
		Inner_1RB_Left	20.07	20.41	23.25	20.47	20.91	23.71	<=30	Pass
		Inner_1RB_Right	20.13	20.68	23.43	20.53	21.18	23.88	<=30	Pass
CP-OFDM 64 QAM	3735	Edge_1RB_Left	18.96	19.09	22.03	19.36	19.59	22.49	<=30	Pass
		Edge_1RB_Right	18.63	18.96	21.81	19.03	19.46	22.26	<=30	Pass
		Outer_Full	18.85	19.01	21.94	19.25	19.51	22.39	<=30	Pass
		Inner_Full	18.74	19.03	21.89	19.14	19.53	22.35	<=30	Pass
		Inner_1RB_Left	19.08	19.17	22.14	19.48	19.67	22.59	<=30	Pass
		Inner_1RB_Right	18.70	18.85	21.79	19.10	19.35	22.24	<=30	Pass
	3750	Edge_1RB_Left	19.03	19.19	22.12	19.43	19.69	22.57	<=30	Pass
		Edge_1RB_Right	18.48	18.95	21.74	18.88	19.45	22.1		

1.7 30k_80MHz_NTNV_EIRP

1.7.1 Test Result

5G NR n78a SCS=30kHz SISO 80MHz 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	3740.01	Edge 1RB Left	21.72	21.55	/	22.12	22.05	/	<=30	Pass
		Edge 1RB Right	21.38	21.35	/	21.78	21.85	/	<=30	Pass
		Outer Full	24.72	24.49	/	25.12	24.99	/	<=30	Pass
		Inner Full	25.16	24.98	/	25.56	25.48	/	<=30	Pass
		Inner 1RB Left	25.16	24.84	/	25.56	25.34	/	<=30	Pass
		Inner 1RB Right	24.84	24.88	/	25.24	25.38	/	<=30	Pass
	3750	Edge 1RB Left	21.92	21.41	/	22.32	21.91	/	<=30	Pass
		Edge 1RB Right	21.18	21.13	/	21.58	21.63	/	<=30	Pass
		Outer Full	24.65	24.54	/	25.05	25.04	/	<=30	Pass
		Inner Full	25.23	25.07	/	25.63	25.57	/	<=30	Pass
		Inner 1RB Left	25.41	24.95	/	25.81	25.45	/	<=30	Pass
		Inner 1RB Right	24.59	24.70	/	24.99	25.2	/	<=30	Pass
	3759.99	Edge 1RB Left	21.64	21.36	/	22.04	21.86	/	<=30	Pass
		Edge 1RB Right	21.31	21.11	/	21.71	21.61	/	<=30	Pass
		Outer Full	24.58	24.54	/	24.98	25.04	/	<=30	Pass
		Inner Full	25.23	25.07	/	25.63	25.57	/	<=30	Pass
		Inner 1RB Left	25.01	24.94	/	25.41	25.44	/	<=30	Pass
		Inner 1RB Right	24.87	24.72	/	25.27	25.22	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge 1RB Left	21.60	21.30	/	22.00	21.8	/	<=30	Pass
		Edge 1RB Right	21.39	21.30	/	21.79	21.8	/	<=30	Pass
		Outer Full	24.21	23.98	/	24.61	24.48	/	<=30	Pass
		Inner Full	25.14	25.06	/	25.54	25.56	/	<=30	Pass
		Inner 1RB Left	25.14	24.92	/	25.54	25.42	/	<=30	Pass
		Inner 1RB Right	24.86	24.81	/	25.26	25.31	/	<=30	Pass
	3750	Edge 1RB Left	21.90	21.37	/	22.30	21.87	/	<=30	Pass
		Edge 1RB Right	21.12	21.14	/	21.52	21.64	/	<=30	Pass
		Outer Full	24.13	24.06	/	24.53	24.56	/	<=30	Pass
		Inner Full	25.21	25.10	/	25.61	25.6	/	<=30	Pass
		Inner 1RB Left	25.44	24.99	/	25.84	25.49	/	<=30	Pass
		Inner 1RB Right	24.53	24.71	/	24.93	25.21	/	<=30	Pass
	3759.99	Edge 1RB Left	21.50	21.41	/	21.90	21.91	/	<=30	Pass
		Edge 1RB Right	21.19	21.13	/	21.59	21.63	/	<=30	Pass
		Outer Full	24.08	24.01	/	24.48	24.51	/	<=30	Pass
		Inner Full	25.30	25.07	/	25.70	25.57	/	<=30	Pass
		Inner 1RB Left	25.01	24.93	/	25.41	25.43	/	<=30	Pass
		Inner 1RB Right	24.80	24.69	/	25.20	25.19	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge 1RB Left	21.67	21.22	/	22.07	21.72	/	<=30	Pass
		Edge 1RB Right	21.34	21.30	/	21.74	21.8	/	<=30	Pass
		Outer Full	23.17	22.95	/	23.57	23.45	/	<=30	Pass
		Inner Full	24.09	24.07	/	24.49	24.57	/	<=30	Pass
		Inner 1RB Left	23.96	23.72	/	24.36	24.22	/	<=30	Pass
		Inner 1RB Right	23.87	23.77	/	24.27	24.27	/	<=30	Pass
	3750	Edge 1RB Left	21.73	21.28	/	22.13	21.78	/	<=30	Pass
		Edge 1RB Right	21.04	21.09	/	21.44	21.59	/	<=30	Pass
		Outer Full	23.20	23.04	/	23.60	23.54	/	<=30	Pass
		Inner Full	24.27	24.09	/	24.67	24.59	/	<=30	Pass
		Inner 1RB Left	24.12	23.85	/	24.52	24.35	/	<=30	Pass
		Inner 1RB Right	23.54	23.53	/	23.94	24.03	/	<=30	Pass
	3759.99	Edge 1RB Left	21.40	21.42	/	21.80	21.92	/	<=30	Pass

		Edge 1RB Right	21.32	21.20	/	21.72	21.7	/	<=30	Pass
		Outer Full	23.06	22.97	/	23.46	23.47	/	<=30	Pass
		Inner Full	24.23	24.04	/	24.63	24.54	/	<=30	Pass
		Inner 1RB Left	23.77	23.83	/	24.17	24.33	/	<=30	Pass
		Inner 1RB Right	23.69	23.63	/	24.09	24.13	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge 1RB Left	21.80	21.40	/	22.20	21.9	/	<=30	Pass
		Edge 1RB Right	21.50	21.37	/	21.90	21.87	/	<=30	Pass
		Outer Full	22.63	22.52	/	23.03	23.02	/	<=30	Pass
		Inner Full	22.71	22.56	/	23.11	23.06	/	<=30	Pass
		Inner 1RB Left	22.82	22.42	/	23.22	22.92	/	<=30	Pass
		Inner 1RB Right	22.50	22.33	/	22.90	22.83	/	<=30	Pass
	3750	Edge 1RB Left	21.90	21.48	/	22.30	21.98	/	<=30	Pass
		Edge 1RB Right	21.22	21.22	/	21.62	21.72	/	<=30	Pass
		Outer Full	22.70	22.49	/	23.10	22.99	/	<=30	Pass
		Inner Full	22.83	22.59	/	23.23	23.09	/	<=30	Pass
		Inner 1RB Left	22.84	22.46	/	23.24	22.96	/	<=30	Pass
		Inner 1RB Right	22.09	22.28	/	22.49	22.78	/	<=30	Pass
	3759.99	Edge 1RB Left	21.58	21.52	/	21.98	22.02	/	<=30	Pass
		Edge 1RB Right	21.37	21.29	/	21.77	21.79	/	<=30	Pass
		Outer Full	22.54	22.41	/	22.94	22.91	/	<=30	Pass
		Inner Full	22.77	22.57	/	23.17	23.07	/	<=30	Pass
		Inner 1RB Left	22.58	22.68	/	22.98	23.18	/	<=30	Pass
		Inner 1RB Right	22.36	22.29	/	22.76	22.79	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge 1RB Left	20.64	20.36	/	21.04	20.86	/	<=30	Pass
		Edge 1RB Right	20.29	20.36	/	20.69	20.86	/	<=30	Pass
		Outer Full	20.78	20.51	/	21.18	21.01	/	<=30	Pass
		Inner Full	20.59	20.55	/	20.99	21.05	/	<=30	Pass
		Inner 1RB Left	20.71	20.38	/	21.11	20.88	/	<=30	Pass
		Inner 1RB Right	20.39	20.33	/	20.79	20.83	/	<=30	Pass
	3750	Edge 1RB Left	20.84	20.43	/	21.24	20.93	/	<=30	Pass
		Edge 1RB Right	20.04	20.16	/	20.44	20.66	/	<=30	Pass
		Outer Full	20.65	20.42	/	21.05	20.92	/	<=30	Pass
		Inner Full	20.80	20.44	/	21.20	20.94	/	<=30	Pass
		Inner 1RB Left	20.81	20.39	/	21.21	20.89	/	<=30	Pass
		Inner 1RB Right	20.09	20.22	/	20.49	20.72	/	<=30	Pass
	3759.99	Edge 1RB Left	20.52	20.36	/	20.92	20.86	/	<=30	Pass
		Edge 1RB Right	20.33	20.02	/	20.73	20.52	/	<=30	Pass
		Outer Full	20.47	20.40	/	20.87	20.9	/	<=30	Pass
		Inner Full	20.88	20.45	/	21.28	20.95	/	<=30	Pass
		Inner 1RB Left	20.44	20.31	/	20.84	20.81	/	<=30	Pass
		Inner 1RB Right	20.20	20.11	/	20.60	20.61	/	<=30	Pass
CP-OFDM QPSK	3740.01	Edge 1RB Left	21.62	21.43	/	22.02	21.93	/	<=30	Pass
		Edge 1RB Right	21.53	21.40	/	21.93	21.9	/	<=30	Pass
		Outer Full	22.24	21.87	/	22.64	22.37	/	<=30	Pass
		Inner Full	23.62	23.56	/	24.02	24.06	/	<=30	Pass
		Inner 1RB Left	23.69	23.34	/	24.09	23.84	/	<=30	Pass
		Inner 1RB Right	23.65	23.44	/	24.05	23.94	/	<=30	Pass
	3750	Edge 1RB Left	21.93	21.43	/	22.33	21.93	/	<=30	Pass
		Edge 1RB Right	21.17	21.38	/	21.57	21.88	/	<=30	Pass
		Outer Full	22.21	22.00	/	22.61	22.5	/	<=30	Pass
		Inner Full	23.71	23.55	/	24.11	24.05	/	<=30	Pass
		Inner 1RB Left	24.01	23.51	/	24.41	24.01	/	<=30	Pass
		Inner 1RB Right	23.18	23.40	/	23.58	23.9	/	<=30	Pass
	3759.99	Edge 1RB Left	21.62	21.55	/	22.02	22.05	/	<=30	Pass
		Edge 1RB Right	21.46	21.14	/	21.86	21.64	/	<=30	Pass
		Outer Full	22.02	21.97	/	22.42	22.47	/	<=30	Pass
		Inner Full	23.76	23.50	/	24.16	24	/	<=30	Pass
		Inner 1RB Left	23.77	23.45	/	24.17	23.95	/	<=30	Pass
		Inner 1RB Right	23.53	23.10	/	23.93	23.6	/	<=30	Pass

Note1: Antenna Gain: Ant7: 0.40dBi;
Note2: EIRP=Conducted Power+Antenna Gain

5G NR n78a 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	19.16	19.13	22.15	19.56	19.63	22.61	<=30	Pass
		Edge 1RB Right	18.42	18.96	21.71	18.82	19.46	22.16	<=30	Pass
		Outer Full	19.38	19.57	22.49	19.78	20.07	22.94	<=30	Pass
		Inner Full	20.84	21.08	23.97	21.24	21.58	24.42	<=30	Pass
		Inner 1RB Left	21.10	21.19	24.16	21.50	21.69	24.61	<=30	Pass
		Inner 1RB Right	20.38	20.83	23.62	20.78	21.33	24.07	<=30	Pass
	3750	Edge 1RB Left	19.18	19.30	22.25	19.58	19.80	22.70	<=30	Pass
		Edge 1RB Right	18.43	19.31	21.90	18.83	19.81	22.36	<=30	Pass
		Outer Full	19.30	19.64	22.48	19.70	20.14	22.94	<=30	Pass
		Inner Full	21.02	21.09	24.06	21.42	21.59	24.52	<=30	Pass
		Inner 1RB Left	21.17	21.38	24.29	21.57	21.88	24.74	<=30	Pass
		Inner 1RB Right	20.27	20.96	23.64	20.67	21.46	24.09	<=30	Pass
	3759.99	Edge 1RB Left	18.71	19.20	21.97	19.11	19.70	22.43	<=30	Pass
		Edge 1RB Right	18.66	19.36	22.03	19.06	19.86	22.49	<=30	Pass
		Outer Full	19.17	19.51	22.35	19.57	20.01	22.81	<=30	Pass
		Inner Full	20.92	21.05	23.99	21.32	21.55	24.45	<=30	Pass
		Inner 1RB Left	20.59	21.22	23.93	20.99	21.72	24.38	<=30	Pass
		Inner 1RB Right	20.72	21.24	24.00	21.12	21.74	24.45	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge 1RB Left	19.29	19.20	22.26	19.69	19.70	22.71	<=30	Pass
		Edge 1RB Right	18.46	18.93	21.71	18.86	19.43	22.16	<=30	Pass
		Outer Full	19.35	19.53	22.45	19.75	20.03	22.90	<=30	Pass
		Inner Full	20.39	20.59	23.50	20.79	21.09	23.95	<=30	Pass
		Inner 1RB Left	20.80	20.57	23.69	21.20	21.07	24.15	<=30	Pass
		Inner 1RB Right	19.95	20.37	23.17	20.35	20.87	23.63	<=30	Pass
	3750	Edge 1RB Left	19.18	19.35	22.27	19.58	19.85	22.73	<=30	Pass
		Edge 1RB Right	18.40	19.25	21.85	18.80	19.75	22.31	<=30	Pass
		Outer Full	19.26	19.50	22.39	19.66	20.00	22.84	<=30	Pass
		Inner Full	20.52	20.58	23.56	20.92	21.08	24.01	<=30	Pass
		Inner 1RB Left	20.56	20.82	23.70	20.96	21.32	24.15	<=30	Pass
		Inner 1RB Right	19.91	20.57	23.26	20.31	21.07	23.72	<=30	Pass
	3759.99	Edge 1RB Left	18.70	19.13	21.93	19.10	19.63	22.38	<=30	Pass
		Edge 1RB Right	18.68	19.33	22.03	19.08	19.83	22.48	<=30	Pass
		Outer Full	19.19	19.46	22.34	19.59	19.96	22.79	<=30	Pass
		Inner Full	20.38	20.47	23.43	20.78	20.97	23.89	<=30	Pass
		Inner 1RB Left	20.08	20.76	23.45	20.48	21.26	23.90	<=30	Pass
		Inner 1RB Right	20.13	20.90	23.54	20.53	21.40	24.00	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge 1RB Left	19.06	19.21	22.15	19.46	19.71	22.60	<=30	Pass
		Edge 1RB Right	18.12	19.00	21.59	18.52	19.50	22.05	<=30	Pass
		Outer Full	18.93	19.11	22.03	19.33	19.61	22.48	<=30	Pass
		Inner Full	18.92	19.13	22.03	19.32	19.63	22.49	<=30	Pass
		Inner 1RB Left	19.03	19.23	22.14	19.43	19.73	22.59	<=30	Pass
		Inner 1RB Right	18.27	19.12	21.73	18.67	19.62	22.18	<=30	Pass
	3750	Edge 1RB Left	19.06	19.20	22.14	19.46	19.70	22.59	<=30	Pass
		Edge 1RB Right	18.41	19.12	21.79	18.81	19.62	22.24	<=30	Pass
		Outer Full	18.80	19.04	21.93	19.20	19.54	22.38	<=30	Pass
		Inner Full	19.00	19.02	22.02	19.40	19.52	22.47	<=30	Pass
		Inner 1RB Left	19.06	19.21	22.15	19.46	19.71	22.60	<=30	Pass
		Inner 1RB Right	18.40	19.01	21.73	18.80	19.51	22.18	<=30	Pass
	3759.99	Edge 1RB Left	18.77	19.00	21.89	19.17	19.50	22.35	<=30	Pass
		Edge 1RB Right	18.80	19.05	21.94	19.20	19.55	22.39	<=30	Pass
		Outer Full	18.74	18.96	21.86	19.14	19.46	22.31	<=30	Pass
		Inner Full	18.90	19.05	21.99	19.30	19.55	22.44	<=30	Pass
		Inner 1RB Left	18.60	19.12	21.88	19.00	19.62	22.33	<=30	Pass
		Inner 1RB Right	18.80	19.00	21.91	19.20	19.50	22.36	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge 1RB Left	16.00	16.43	19.23	16.40	16.93	19.68	<=30	Pass
		Edge 1RB Right	15.36	16.13	18.77	15.76	16.63	19.23	<=30	Pass

		Outer_Full	15.99	16.15	19.08	16.39	16.65	19.53	<=30	Pass
		Inner_Full	15.93	16.07	19.01	16.33	16.57	19.46	<=30	Pass
		Inner_1RB_Left	16.06	16.46	19.27	16.46	16.96	19.73	<=30	Pass
		Inner_1RB_Right	15.42	16.15	18.81	15.82	16.65	19.27	<=30	Pass
	3750	Edge_1RB_Left	16.42	16.28	19.36	16.82	16.78	19.81	<=30	Pass
		Edge_1RB_Right	15.57	16.11	18.86	15.97	16.61	19.31	<=30	Pass
		Outer_Full	15.81	16.06	18.95	16.21	16.56	19.40	<=30	Pass
		Inner_Full	16.00	15.96	18.99	16.40	16.46	19.44	<=30	Pass
	3759.99	Inner_1RB_Left	16.48	16.17	19.34	16.88	16.67	19.79	<=30	Pass
		Inner_1RB_Right	15.66	16.06	18.88	16.06	16.56	19.33	<=30	Pass
		Edge_1RB_Left	15.56	16.28	18.95	15.96	16.78	19.40	<=30	Pass
		Edge_1RB_Right	15.61	16.35	19.01	16.01	16.85	19.46	<=30	Pass
		Outer_Full	15.69	16.01	18.86	16.09	16.51	19.32	<=30	Pass
		Inner_Full	15.98	16.14	19.07	16.38	16.64	19.52	<=30	Pass
		Inner_1RB_Left	15.58	16.29	18.96	15.98	16.79	19.41	<=30	Pass
		Inner_1RB_Right	15.59	16.34	18.99	15.99	16.84	19.45	<=30	Pass

Note1: Antenna Gain: Ant3: 0.40dBi; Ant7: 0.50dBi;
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

1.8 30k_90MHz_NTNV_EIRP

1.8.1 Test Result

5G NR n78a SCS=30kHz SISO 90MHz 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	3745.02	Edge_1RB_Left	21.67	21.42	/	22.07	21.92	/	<=30	Pass
		Edge_1RB_Right	21.12	21.22	/	21.52	21.72	/	<=30	Pass
		Outer_Full	24.70	24.47	/	25.10	24.97	/	<=30	Pass
		Inner_Full	25.07	25.05	/	25.47	25.55	/	<=30	Pass
		Inner_1RB_Left	25.14	24.85	/	25.54	25.35	/	<=30	Pass
		Inner_1RB_Right	24.62	24.82	/	25.02	25.32	/	<=30	Pass
	3750	Edge_1RB_Left	21.86	21.44	/	22.26	21.94	/	<=30	Pass
		Edge_1RB_Right	21.34	21.36	/	21.74	21.86	/	<=30	Pass
		Outer_Full	24.68	24.49	/	25.08	24.99	/	<=30	Pass
		Inner_Full	25.20	25.04	/	25.60	25.54	/	<=30	Pass
		Inner_1RB_Left	25.37	24.94	/	25.77	25.44	/	<=30	Pass
		Inner_1RB_Right	24.80	24.79	/	25.20	25.29	/	<=30	Pass
	3754.98	Edge_1RB_Left	21.83	21.41	/	22.23	21.91	/	<=30	Pass
		Edge_1RB_Right	21.38	21.22	/	21.78	21.72	/	<=30	Pass
		Outer_Full	24.57	24.45	/	24.97	24.95	/	<=30	Pass
		Inner_Full	25.31	25.06	/	25.71	25.56	/	<=30	Pass
		Inner_1RB_Left	25.31	24.74	/	25.71	25.24	/	<=30	Pass
		Inner_1RB_Right	24.81	24.73	/	25.21	25.23	/	<=30	Pass
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	21.60	21.41	/	22.00	21.91	/	<=30	Pass
		Edge_1RB_Right	21.13	21.21	/	21.53	21.71	/	<=30	Pass
		Outer_Full	24.11	23.94	/	24.51	24.44	/	<=30	Pass
		Inner_Full	25.09	25.03	/	25.49	25.53	/	<=30	Pass
		Inner_1RB_Left	25.10	24.90	/	25.50	25.4	/	<=30	Pass
		Inner_1RB_Right	24.67	24.80	/	25.07	25.3	/	<=30	Pass
	3750	Edge_1RB_Left	21.83	21.37	/	22.23	21.87	/	<=30	Pass
		Edge_1RB_Right	21.15	21.31	/	21.55	21.81	/	<=30	Pass
		Outer_Full	24.19	24.01	/	24.59	24.51	/	<=30	Pass
		Inner_Full	25.24	25.04	/	25.64	25.54	/	<=30	Pass
		Inner_1RB_Left	25.32	24.87	/	25.72	25.37	/	<=30	Pass
		Inner_1RB_Right	24.70	24.71	/	25.10	25.21	/	<=30	Pass

	3754.98	Edge_1RB_Left	21.80	21.21	/	22.20	21.71	/	<=30	Pass
		Edge_1RB_Right	21.37	21.16	/	21.77	21.66	/	<=30	Pass
		Outer_Full	24.10	23.90	/	24.50	24.4	/	<=30	Pass
		Inner_Full	25.29	25.02	/	25.69	25.52	/	<=30	Pass
		Inner_1RB_Left	25.35	24.88	/	25.75	25.38	/	<=30	Pass
		Inner_1RB_Right	24.90	24.66	/	25.30	25.16	/	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Edge_1RB_Left	21.56	21.30	/	21.96	21.8	/	<=30	Pass
		Edge_1RB_Right	21.05	21.15	/	21.45	21.65	/	<=30	Pass
		Outer_Full	23.09	22.96	/	23.49	23.46	/	<=30	Pass
		Inner_Full	24.16	24.14	/	24.56	24.64	/	<=30	Pass
		Inner_1RB_Left	24.03	23.80	/	24.43	24.3	/	<=30	Pass
		Inner_1RB_Right	23.51	23.66	/	23.91	24.16	/	<=30	Pass
	3750	Edge_1RB_Left	21.81	21.27	/	22.21	21.77	/	<=30	Pass
		Edge_1RB_Right	21.13	21.22	/	21.53	21.72	/	<=30	Pass
		Outer_Full	23.23	22.98	/	23.63	23.48	/	<=30	Pass
		Inner_Full	24.24	24.12	/	24.64	24.62	/	<=30	Pass
		Inner_1RB_Left	24.22	23.82	/	24.62	24.32	/	<=30	Pass
		Inner_1RB_Right	23.62	23.61	/	24.02	24.11	/	<=30	Pass
	3754.98	Edge_1RB_Left	21.75	21.43	/	22.15	21.93	/	<=30	Pass
		Edge_1RB_Right	21.28	21.19	/	21.68	21.69	/	<=30	Pass
		Outer_Full	23.13	23.00	/	23.53	23.5	/	<=30	Pass
		Inner_Full	24.29	24.00	/	24.69	24.5	/	<=30	Pass
		Inner_1RB_Left	24.28	23.90	/	24.68	24.4	/	<=30	Pass
		Inner_1RB_Right	23.74	23.77	/	24.14	24.27	/	<=30	Pass
DFT-s-OFDM 64 QAM	3745.02	Edge_1RB_Left	21.73	21.43	/	22.13	21.93	/	<=30	Pass
		Edge_1RB_Right	21.29	21.45	/	21.69	21.95	/	<=30	Pass
		Outer_Full	22.66	22.41	/	23.06	22.91	/	<=30	Pass
		Inner_Full	22.65	22.46	/	23.05	22.96	/	<=30	Pass
		Inner_1RB_Left	22.67	22.37	/	23.07	22.87	/	<=30	Pass
		Inner_1RB_Right	22.25	22.29	/	22.65	22.79	/	<=30	Pass
	3750	Edge_1RB_Left	21.94	21.47	/	22.34	21.97	/	<=30	Pass
		Edge_1RB_Right	21.38	21.38	/	21.78	21.88	/	<=30	Pass
		Outer_Full	22.70	22.61	/	23.10	23.11	/	<=30	Pass
		Inner_Full	22.76	22.66	/	23.16	23.16	/	<=30	Pass
		Inner_1RB_Left	22.85	22.46	/	23.25	22.96	/	<=30	Pass
		Inner_1RB_Right	22.32	22.35	/	22.72	22.85	/	<=30	Pass
	3754.98	Edge_1RB_Left	21.97	21.31	/	22.37	21.81	/	<=30	Pass
		Edge_1RB_Right	21.45	21.23	/	21.85	21.73	/	<=30	Pass
		Outer_Full	22.71	22.46	/	23.11	22.96	/	<=30	Pass
		Inner_Full	22.92	22.54	/	23.32	23.04	/	<=30	Pass
		Inner_1RB_Left	22.80	22.31	/	23.20	22.81	/	<=30	Pass
		Inner_1RB_Right	22.41	22.28	/	22.81	22.78	/	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Edge_1RB_Left	20.60	20.41	/	21.00	20.91	/	<=30	Pass
		Edge_1RB_Right	20.23	20.21	/	20.63	20.71	/	<=30	Pass
		Outer_Full	20.62	20.52	/	21.02	21.02	/	<=30	Pass
		Inner_Full	20.53	20.50	/	20.93	21	/	<=30	Pass
		Inner_1RB_Left	20.74	20.27	/	21.14	20.77	/	<=30	Pass
		Inner_1RB_Right	20.14	20.22	/	20.54	20.72	/	<=30	Pass
	3750	Edge_1RB_Left	20.74	20.35	/	21.14	20.85	/	<=30	Pass
		Edge_1RB_Right	20.25	20.19	/	20.65	20.69	/	<=30	Pass
		Outer_Full	20.72	20.45	/	21.12	20.95	/	<=30	Pass
		Inner_Full	20.82	20.48	/	21.22	20.98	/	<=30	Pass
		Inner_1RB_Left	20.87	20.29	/	21.27	20.79	/	<=30	Pass
		Inner_1RB_Right	20.36	20.22	/	20.76	20.72	/	<=30	Pass
	3754.98	Edge_1RB_Left	20.84	20.28	/	21.24	20.78	/	<=30	Pass
		Edge_1RB_Right	20.33	20.14	/	20.73	20.64	/	<=30	Pass
		Outer_Full	20.53	20.38	/	20.93	20.88	/	<=30	Pass
		Inner_Full	20.74	20.47	/	21.14	20.97	/	<=30	Pass
		Inner_1RB_Left	20.91	20.43	/	21.31	20.93	/	<=30	Pass

		Inner 1RB Right	20.31	20.16	/	20.71	20.66	/	<=30	Pass
CP-OFDM QPSK	3745.02	Edge 1RB Left	21.72	21.39	/	22.12	21.89	/	<=30	Pass
		Edge 1RB Right	21.29	21.28	/	21.69	21.78	/	<=30	Pass
		Outer Full	22.05	22.09	/	22.45	22.59	/	<=30	Pass
		Inner Full	23.61	23.53	/	24.01	24.03	/	<=30	Pass
		Inner 1RB Left	23.82	23.47	/	24.22	23.97	/	<=30	Pass
		Inner 1RB Right	23.18	23.34	/	23.58	23.84	/	<=30	Pass
	3750	Edge 1RB Left	21.88	21.49	/	22.28	21.99	/	<=30	Pass
		Edge 1RB Right	21.34	21.32	/	21.74	21.82	/	<=30	Pass
		Outer Full	22.24	21.97	/	22.64	22.47	/	<=30	Pass
		Inner Full	23.78	23.52	/	24.18	24.02	/	<=30	Pass
		Inner 1RB Left	23.94	23.47	/	24.34	23.97	/	<=30	Pass
		Inner 1RB Right	23.33	23.33	/	23.73	23.83	/	<=30	Pass
	3754.98	Edge 1RB Left	22.04	21.44	/	22.44	21.94	/	<=30	Pass
		Edge 1RB Right	21.51	21.25	/	21.91	21.75	/	<=30	Pass
		Outer Full	22.24	21.92	/	22.64	22.42	/	<=30	Pass
		Inner Full	23.89	23.47	/	24.29	23.97	/	<=30	Pass
		Inner 1RB Left	23.97	23.52	/	24.37	24.02	/	<=30	Pass
		Inner 1RB Right	23.39	23.27	/	23.79	23.77	/	<=30	Pass
CP-OFDM 16 QAM	3745.02	Edge 1RB Left	21.52	21.36	/	21.92	21.86	/	<=30	Pass
		Edge 1RB Right	21.13	21.26	/	21.53	21.76	/	<=30	Pass
		Outer Full	22.12	21.97	/	22.52	22.47	/	<=30	Pass
		Inner Full	23.14	23.08	/	23.54	23.58	/	<=30	Pass
		Inner 1RB Left	23.07	22.74	/	23.47	23.24	/	<=30	Pass
		Inner 1RB Right	22.56	22.68	/	22.96	23.18	/	<=30	Pass
	3750	Edge 1RB Left	21.79	21.32	/	22.19	21.82	/	<=30	Pass
		Edge 1RB Right	21.25	21.22	/	21.65	21.72	/	<=30	Pass
		Outer Full	22.22	21.97	/	22.62	22.47	/	<=30	Pass
		Inner Full	23.22	23.05	/	23.62	23.55	/	<=30	Pass
		Inner 1RB Left	23.30	22.80	/	23.70	23.3	/	<=30	Pass
		Inner 1RB Right	22.70	22.72	/	23.10	23.22	/	<=30	Pass
	3754.98	Edge 1RB Left	21.84	21.09	/	22.24	21.59	/	<=30	Pass
		Edge 1RB Right	21.48	21.11	/	21.88	21.61	/	<=30	Pass
		Outer Full	22.10	21.92	/	22.50	22.42	/	<=30	Pass
		Inner Full	23.29	22.97	/	23.69	23.47	/	<=30	Pass
		Inner 1RB Left	23.27	22.62	/	23.67	23.12	/	<=30	Pass
		Inner 1RB Right	22.76	22.55	/	23.16	23.05	/	<=30	Pass
CP-OFDM 64 QAM	3745.02	Edge 1RB Left	21.67	21.48	/	22.07	21.98	/	<=30	Pass
		Edge 1RB Right	21.29	21.35	/	21.69	21.85	/	<=30	Pass
		Outer Full	21.62	21.53	/	22.02	22.03	/	<=30	Pass
		Inner Full	21.62	21.50	/	22.02	22	/	<=30	Pass
		Inner 1RB Left	21.75	21.57	/	22.15	22.07	/	<=30	Pass
		Inner 1RB Right	21.26	21.41	/	21.66	21.91	/	<=30	Pass
	3750	Edge 1RB Left	22.01	21.59	/	22.41	22.09	/	<=30	Pass
		Edge 1RB Right	21.44	21.30	/	21.84	21.8	/	<=30	Pass
		Outer Full	21.66	21.48	/	22.06	21.98	/	<=30	Pass
		Inner Full	21.70	21.51	/	22.10	22.01	/	<=30	Pass
		Inner 1RB Left	22.12	21.49	/	22.52	21.99	/	<=30	Pass
		Inner 1RB Right	21.33	21.43	/	21.73	21.93	/	<=30	Pass
	3754.98	Edge 1RB Left	21.95	21.25	/	22.35	21.75	/	<=30	Pass
		Edge 1RB Right	21.49	21.15	/	21.89	21.65	/	<=30	Pass
		Outer Full	21.74	21.47	/	22.14	21.97	/	<=30	Pass
		Inner Full	21.84	21.52	/	22.24	22.02	/	<=30	Pass
		Inner 1RB Left	21.98	21.24	/	22.38	21.74	/	<=30	Pass
		Inner 1RB Right	21.42	21.24	/	21.82	21.74	/	<=30	Pass
CP-OFDM 256 QAM	3745.02	Edge 1RB Left	18.59	18.28	/	18.99	18.78	/	<=30	Pass
		Edge 1RB Right	18.18	18.27	/	18.58	18.77	/	<=30	Pass
		Outer Full	18.67	18.37	/	19.07	18.87	/	<=30	Pass
		Inner Full	18.59	18.45	/	18.99	18.95	/	<=30	Pass

5G NR n78a SCS=30kHz MIMO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3745.02	Edge 1RB Left	19.03	19.06	22.05	19.43	19.56	22.51	<=30	Pass
		Edge 1RB Right	18.60	19.18	21.91	19.00	19.68	22.36	<=30	Pass
		Outer Full	19.40	19.45	22.44	19.80	19.95	22.89	<=30	Pass
		Inner Full	20.81	20.92	23.87	21.21	21.42	24.33	<=30	Pass
		Inner 1RB Left	21.15	20.89	24.03	21.55	21.39	24.48	<=30	Pass
		Inner 1RB Right	20.66	21.04	23.87	21.06	21.54	24.32	<=30	Pass
	3750	Edge 1RB Left	19.18	19.20	22.20	19.58	19.70	22.65	<=30	Pass
		Edge 1RB Right	18.71	19.09	21.91	19.11	19.59	22.37	<=30	Pass
		Outer Full	19.48	19.58	22.54	19.88	20.08	22.99	<=30	Pass
		Inner Full	21.04	20.99	24.03	21.44	21.49	24.48	<=30	Pass
		Inner 1RB Left	21.11	21.14	24.13	21.51	21.64	24.59	<=30	Pass
		Inner 1RB Right	20.63	21.23	23.95	21.03	21.73	24.40	<=30	Pass
	3754.98	Edge 1RB Left	19.25	19.27	22.27	19.65	19.77	22.72	<=30	Pass
		Edge 1RB Right	18.78	19.07	21.94	19.18	19.57	22.39	<=30	Pass
		Outer Full	19.36	19.55	22.47	19.76	20.05	22.92	<=30	Pass
		Inner Full	21.07	20.93	24.01	21.47	21.43	24.46	<=30	Pass
		Inner 1RB Left	21.26	21.37	24.32	21.66	21.87	24.78	<=30	Pass
		Inner 1RB Right	20.81	21.12	23.98	21.21	21.62	24.43	<=30	Pass
CP-OFDM 16 QAM	3745.02	Edge 1RB Left	19.08	18.95	22.03	19.48	19.45	22.48	<=30	Pass
		Edge 1RB Right	18.74	19.04	21.91	19.14	19.54	22.35	<=30	Pass
		Outer Full	19.47	19.45	22.47	19.87	19.95	22.92	<=30	Pass
		Inner Full	20.38	20.37	23.39	20.78	20.87	23.84	<=30	Pass
		Inner 1RB Left	20.60	20.53	23.58	21.00	21.03	24.03	<=30	Pass
		Inner 1RB Right	20.18	20.59	23.40	20.58	21.09	23.85	<=30	Pass
	3750	Edge 1RB Left	19.04	19.09	22.07	19.44	19.59	22.53	<=30	Pass
		Edge 1RB Right	18.56	19.12	21.86	18.96	19.62	22.31	<=30	Pass
		Outer Full	19.39	19.47	22.44	19.79	19.97	22.89	<=30	Pass
		Inner Full	20.53	20.42	23.49	20.93	20.92	23.94	<=30	Pass
		Inner 1RB Left	20.58	20.72	23.66	20.98	21.22	24.11	<=30	Pass
		Inner 1RB Right	20.08	20.60	23.36	20.48	21.10	23.81	<=30	Pass
	3754.98	Edge 1RB Left	19.19	19.38	22.29	19.59	19.88	22.75	<=30	Pass
		Edge 1RB Right	18.62	19.30	21.99	19.02	19.80	22.44	<=30	Pass
		Outer Full	19.35	19.51	22.44	19.75	20.01	22.89	<=30	Pass
		Inner Full	20.44	20.49	23.47	20.84	20.99	23.93	<=30	Pass
		Inner 1RB Left	20.76	20.80	23.79	21.16	21.30	24.24	<=30	Pass
		Inner 1RB Right	20.33	20.74	23.55	20.73	21.24	24.00	<=30	Pass
CP-OFDM 64 QAM	3745.02	Edge 1RB Left	18.93	19.13	22.04	19.33	19.63	22.49	<=30	Pass
		Edge 1RB Right	18.53	19.21	21.89	18.93	19.71	22.35	<=30	Pass

		Outer_Full	18.91	18.97	21.95	19.31	19.47	22.40	<=30	Pass
		Inner_Full	18.86	18.94	21.91	19.26	19.44	22.36	<=30	Pass
		Inner_1RB_Left	18.95	19.16	22.07	19.35	19.66	22.52	<=30	Pass
		Inner_1RB_Right	18.52	19.25	21.91	18.92	19.75	22.37	<=30	Pass
	3750	Edge_1RB_Left	19.16	19.11	22.14	19.56	19.61	22.60	<=30	Pass
		Edge_1RB_Right	18.78	19.07	21.94	19.18	19.57	22.39	<=30	Pass
		Outer_Full	18.97	18.99	21.99	19.37	19.49	22.44	<=30	Pass
		Inner_Full	18.99	19.00	22.01	19.39	19.50	22.46	<=30	Pass
	3754.98	Inner_1RB_Left	19.22	19.13	22.19	19.62	19.63	22.64	<=30	Pass
		Inner_1RB_Right	18.75	19.13	21.96	19.15	19.63	22.41	<=30	Pass
		Edge_1RB_Left	19.22	19.14	22.19	19.62	19.64	22.64	<=30	Pass
		Edge_1RB_Right	18.70	19.03	21.88	19.10	19.53	22.33	<=30	Pass
		Outer_Full	18.92	18.99	21.96	19.32	19.49	22.42	<=30	Pass
		Inner_Full	19.04	19.04	22.05	19.44	19.54	22.50	<=30	Pass
		Inner_1RB_Left	19.23	19.36	22.30	19.63	19.86	22.76	<=30	Pass
		Inner_1RB_Right	18.67	19.07	21.89	19.07	19.57	22.34	<=30	Pass
CP-OFDM 256 QAM	3745.02	Edge_1RB_Left	15.90	16.19	19.06	16.30	16.69	19.51	<=30	Pass
		Edge_1RB_Right	15.48	16.30	18.92	15.88	16.80	19.37	<=30	Pass
		Outer_Full	15.91	15.92	18.92	16.31	16.42	19.38	<=30	Pass
		Inner_Full	15.83	15.93	18.89	16.23	16.43	19.34	<=30	Pass
		Inner_1RB_Left	15.85	16.23	19.06	16.25	16.73	19.51	<=30	Pass
		Inner_1RB_Right	15.55	16.33	18.97	15.95	16.83	19.42	<=30	Pass
	3750	Edge_1RB_Left	16.18	16.34	19.27	16.58	16.84	19.72	<=30	Pass
		Edge_1RB_Right	15.55	16.24	18.92	15.95	16.74	19.37	<=30	Pass
		Outer_Full	16.04	16.10	19.08	16.44</				

1.9 30k_100MHz_NTNV_EIRP

1.9.1 Test Result

5G NR n78a 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	21.57	21.23	/	21.97	21.73	/	<=30	Pass
		Edge_1RB_Right	21.30	21.31	/	21.70	21.81	/	<=30	Pass
		Outer_Full	24.66	24.45	/	25.06	24.95	/	<=30	Pass
		Inner_Full	25.29	25.05	/	25.69	25.55	/	<=30	Pass
		Inner_1RB_Left	25.18	24.82	/	25.58	25.32	/	<=30	Pass
	3750	Inner_1RB_Right	24.85	24.83	/	25.25	25.33	/	<=30	Pass
		Edge_1RB_Left	21.64	21.31	/	22.04	21.81	/	<=30	Pass
		Edge_1RB_Right	21.28	21.24	/	21.68	21.74	/	<=30	Pass
		Outer_Full	24.62	24.41	/	25.02	24.91	/	<=30	Pass
		Inner_Full	25.22	25.09	/	25.62	25.59	/	<=30	Pass

		Inner_1RB_Left	25.16	24.81	/	25.56	25.31	/	<=30	Pass
		Inner_1RB_Right	24.79	24.77	/	25.19	25.27	/	<=30	Pass
	3750	Edge_1RB_Left	21.61	21.31	/	22.01	21.81	/	<=30	Pass
		Edge_1RB_Right	21.50	21.28	/	21.90	21.78	/	<=30	Pass
		Outer_Full	24.67	24.46	/	25.07	24.96	/	<=30	Pass
		Inner_Full	25.22	25.07	/	25.62	25.57	/	<=30	Pass
		Inner_1RB_Left	25.06	24.83	/	25.46	25.33	/	<=30	Pass
		Inner_1RB_Right	24.90	24.84	/	25.30	25.34	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	21.70	21.30	/	22.10	21.8	/	<=30	Pass
		Edge_1RB_Right	21.42	21.23	/	21.82	21.73	/	<=30	Pass
		Outer_Full	24.13	24.04	/	24.53	24.54	/	<=30	Pass
		Inner_Full	25.24	25.07	/	25.64	25.57	/	<=30	Pass
		Inner_1RB_Left	25.11	24.85	/	25.51	25.35	/	<=30	Pass
		Inner_1RB_Right	24.86	24.76	/	25.26	25.26	/	<=30	Pass
	3750	Edge_1RB_Left	21.51	21.33	/	21.91	21.83	/	<=30	Pass
		Edge_1RB_Right	21.44	21.20	/	21.84	21.7	/	<=30	Pass
		Outer_Full	24.18	23.90	/	24.58	24.4	/	<=30	Pass
		Inner_Full	25.29	25.07	/	25.69	25.57	/	<=30	Pass
		Inner_1RB_Left	25.13	24.85	/	25.53	25.35	/	<=30	Pass
		Inner_1RB_Right	24.82	24.74	/	25.22	25.24	/	<=30	Pass
	3750	Edge_1RB_Left	21.58	21.20	/	21.98	21.7	/	<=30	Pass
		Edge_1RB_Right	21.44	21.20	/	21.84	21.7	/	<=30	Pass
		Outer_Full	24.13	24.03	/	24.53	24.53	/	<=30	Pass
		Inner_Full	25.22	25.01	/	25.62	25.51	/	<=30	Pass
		Inner_1RB_Left	25.07	24.80	/	25.47	25.3	/	<=30	Pass
		Inner_1RB_Right	24.87	24.80	/	25.27	25.3	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	21.49	21.29	/	21.89	21.79	/	<=30	Pass
		Edge_1RB_Right	21.34	21.13	/	21.74	21.63	/	<=30	Pass
		Outer_Full	23.13	23.02	/	23.53	23.52	/	<=30	Pass
		Inner_Full	24.26	24.06	/	24.66	24.56	/	<=30	Pass
		Inner_1RB_Left	24.05	23.88	/	24.45	24.38	/	<=30	Pass
		Inner_1RB_Right	23.76	23.80	/	24.16	24.3	/	<=30	Pass
	3750	Edge_1RB_Left	21.56	21.15	/	21.96	21.65	/	<=30	Pass
		Edge_1RB_Right	21.35	21.08	/	21.75	21.58	/	<=30	Pass
		Outer_Full	23.15	22.88	/	23.55	23.38	/	<=30	Pass
		Inner_Full	24.25	24.05	/	24.65	24.55	/	<=30	Pass
		Inner_1RB_Left	24.01	23.75	/	24.41	24.25	/	<=30	Pass
		Inner_1RB_Right	23.78	23.72	/	24.18	24.22	/	<=30	Pass
	3750	Edge_1RB_Left	21.62	21.24	/	22.02	21.74	/	<=30	Pass
		Edge_1RB_Right	21.43	21.13	/	21.83	21.63	/	<=30	Pass
		Outer_Full	23.15	22.95	/	23.55	23.45	/	<=30	Pass
		Inner_Full	24.25	24.06	/	24.65	24.56	/	<=30	Pass
		Inner_1RB_Left	24.04	23.65	/	24.44	24.15	/	<=30	Pass
		Inner_1RB_Right	23.74	23.69	/	24.14	24.19	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	21.74	21.39	/	22.14	21.89	/	<=30	Pass
		Edge_1RB_Right	21.37	21.29	/	21.77	21.79	/	<=30	Pass
		Outer_Full	22.56	22.47	/	22.96	22.97	/	<=30	Pass
		Inner_Full	22.72	22.58	/	23.12	23.08	/	<=30	Pass
		Inner_1RB_Left	22.67	22.46	/	23.07	22.96	/	<=30	Pass
		Inner_1RB_Right	22.54	22.43	/	22.94	22.93	/	<=30	Pass
	3750	Edge_1RB_Left	21.74	21.36	/	22.14	21.86	/	<=30	Pass
		Edge_1RB_Right	21.48	21.29	/	21.88	21.79	/	<=30	Pass
		Outer_Full	22.63	22.43	/	23.03	22.93	/	<=30	Pass
		Inner_Full	22.74	22.57	/	23.14	23.07	/	<=30	Pass
		Inner_1RB_Left	22.69	22.31	/	23.09	22.81	/	<=30	Pass
		Inner_1RB_Right	22.45	22.24	/	22.85	22.74	/	<=30	Pass
	3750	Edge_1RB_Left	21.70	21.27	/	22.10	21.77	/	<=30	Pass
		Edge_1RB_Right	21.46	21.23	/	21.86	21.73	/	<=30	Pass
		Outer_Full	22.69	22.43	/	23.09	22.93	/	<=30	Pass

		Inner_Full	22.75	22.58	/	23.15	23.08	/	<=30	Pass
		Inner_1RB_Left	22.77	22.31	/	23.17	22.81	/	<=30	Pass
		Inner_1RB_Right	22.46	22.46	/	22.86	22.96	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	20.60	20.31	/	21.00	20.81	/	<=30	Pass
		Edge_1RB_Right	20.40	20.25	/	20.80	20.75	/	<=30	Pass
		Outer_Full	20.63	20.46	/	21.03	20.96	/	<=30	Pass
		Inner_Full	20.71	20.49	/	21.11	20.99	/	<=30	Pass
		Inner_1RB_Left	20.65	20.27	/	21.05	20.77	/	<=30	Pass
		Inner_1RB_Right	20.33	20.23	/	20.73	20.73	/	<=30	Pass
	3750	Edge_1RB_Left	20.67	20.17	/	21.07	20.67	/	<=30	Pass
		Edge_1RB_Right	20.25	20.31	/	20.65	20.81	/	<=30	Pass
		Outer_Full	20.61	20.49	/	21.01	20.99	/	<=30	Pass
		Inner_Full	20.75	20.50	/	21.15	21	/	<=30	Pass
		Inner_1RB_Left	20.64	20.25	/	21.04	20.75	/	<=30	Pass
		Inner_1RB_Right	20.37	20.33	/	20.77	20.83	/	<=30	Pass
	3750	Edge_1RB_Left	20.69	20.33	/	21.09	20.83	/	<=30	Pass
		Edge_1RB_Right	20.26	20.24	/	20.66	20.74	/	<=30	Pass
		Outer_Full	20.65	20.49	/	21.05	20.99	/	<=30	Pass
		Inner_Full	20.80	20.58	/	21.20	21.08	/	<=30	Pass
		Inner_1RB_Left	20.61	20.19	/	21.01	20.69	/	<=30	Pass
		Inner_1RB_Right	20.33	20.35	/	20.73	20.85	/	<=30	Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	21.76	21.31	/	22.16	21.81	/	<=30	Pass
		Edge_1RB_Right	21.50	21.33	/	21.90	21.83	/	<=30	Pass
		Outer_Full	22.23	21.93	/	22.63	22.43	/	<=30	Pass
		Inner_Full	23.72	23.50	/	24.12	24	/	<=30	Pass
		Inner_1RB_Left	23.67	23.48	/	24.07	23.98	/	<=30	Pass
		Inner_1RB_Right	23.47	23.29	/	23.87	23.79	/	<=30	Pass
	3750	Edge_1RB_Left	21.64	21.32	/	22.04	21.82	/	<=30	Pass
		Edge_1RB_Right	21.63	21.42	/	22.03	21.92	/	<=30	Pass
		Outer_Full	22.13	22.05	/	22.53	22.55	/	<=30	Pass
		Inner_Full	23.76	23.55	/	24.16	24.05	/	<=30	Pass
		Inner_1RB_Left	23.84	23.46	/	24.24	23.96	/	<=30	Pass
		Inner_1RB_Right	23.47	23.45	/	23.87	23.95	/	<=30	Pass
	3750	Edge_1RB_Left	21.59	21.44	/	21.99	21.94	/	<=30	Pass
		Edge_1RB_Right	21.51	21.34	/	21.91	21.84	/	<=30	Pass
		Outer_Full	22.18	22.02	/	22.58	22.52	/	<=30	Pass
		Inner_Full	23.70	23.58	/	24.10	24.08	/	<=30	Pass
		Inner_1RB_Left	23.62	23.42	/	24.02	23.92	/	<=30	Pass
		Inner_1RB_Right	23.42	23.31	/	23.82	23.81	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge_1RB_Left	21.53	21.15	/	21.93	21.65	/	<=30	Pass
		Edge_1RB_Right	21.29	21.23	/	21.69	21.73	/	<=30	Pass
		Outer_Full	22.17	22.04	/	22.57	22.54	/	<=30	Pass
		Inner_Full	23.21	23.05	/	23.61	23.55	/	<=30	Pass
		Inner_1RB_Left	23.12	22.79	/	23.52	23.29	/	<=30	Pass
		Inner_1RB_Right	22.81	22.67	/	23.21	23.17	/	<=30	Pass
	3750	Edge_1RB_Left	21.59	21.16	/	21.99	21.66	/	<=30	Pass
		Edge_1RB_Right	21.49	21.21	/	21.89	21.71	/	<=30	Pass
		Outer_Full	22.18	21.94	/	22.58	22.44	/	<=30	Pass
		Inner_Full	23.20	23.08	/	23.60	23.58	/	<=30	Pass
		Inner_1RB_Left	23.05	22.77	/	23.45	23.27	/	<=30	Pass
		Inner_1RB_Right	22.77	22.57	/	23.17	23.07	/	<=30	Pass
	3750	Edge_1RB_Left	21.55	21.35	/	21.95	21.85	/	<=30	Pass
		Edge_1RB_Right	21.35	21.28	/	21.75	21.78	/	<=30	Pass
		Outer_Full	22.21	21.97	/	22.61	22.47	/	<=30	Pass
		Inner_Full	23.24	23.06	/	23.64	23.56	/	<=30	Pass
		Inner_1RB_Left	23.07	22.87	/	23.47	23.37	/	<=30	Pass
		Inner_1RB_Right	22.82	22.85	/	23.22	23.35	/	<=30	Pass
CP-OFDM 64 QAM	3750	Edge_1RB_Left	21.69	21.42	/	22.09	21.92	/	<=30	Pass
		Edge_1RB_Right	21.61	21.36	/	22.01	21.86	/	<=30	Pass

		Outer_Full	21.81	21.49	/	22.21	21.99	/	<=30	Pass
		Inner_Full	21.74	21.59	/	22.14	22.09	/	<=30	Pass
		Inner_1RB_Left	21.80	21.42	/	22.20	21.92	/	<=30	Pass
		Inner_1RB_Right	21.52	21.36	/	21.92	21.86	/	<=30	Pass
	3750	Edge_1RB_Left	21.75	21.29	/	22.15	21.79	/	<=30	Pass
		Edge_1RB_Right	21.50	21.30	/	21.90	21.8	/	<=30	Pass
		Outer_Full	21.72	21.50	/	22.12	22	/	<=30	Pass
		Inner_Full	21.74	21.53	/	22.14	22.03	/	<=30	Pass
	3750	Inner_1RB_Left	21.80	21.35	/	22.20	21.85	/	<=30	Pass
		Inner_1RB_Right	21.55	21.28	/	21.95	21.78	/	<=30	Pass
		Edge_1RB_Left	21.75	21.47	/	22.15	21.97	/	<=30	Pass
		Edge_1RB_Right	21.58	21.33	/	21.98	21.83	/	<=30	Pass
CP-OFDM 256 QAM	3750	Outer_Full	21.71	21.44	/	22.11	21.94	/	<=30	Pass
		Inner_Full	21.81	21.54	/	22.21	22.04	/	<=30	Pass
		Inner_1RB_Left	21.82	21.42	/	22.22	21.92	/	<=30	Pass
		Inner_1RB_Right	21.58	21.34	/	21.98	21.84	/	<=30	Pass
	3750	Edge_1RB_Left	18.67	18.29	/	19.07	18.79	/	<=30	Pass
		Edge_1RB_Right	18.34	18.13	/	18.74	18.63	/	<=30	Pass
		Outer_Full	18.62	18.29	/	19.02	18.79	/	<=30	Pass
		Inner_Full	18.76	18.47	/	19.16	18.97	/	<=30	Pass
	3750	Inner_1RB_Left	18.75	18.41	/	19.15	18.91	/	<=30	Pass
		Inner_1RB_Right	18.53	18.24	/	18.93	18.74	/	<=30	Pass
		Edge_1RB_Left	18.63	18.36	/	19.03	18.86	/	<=30	Pass
		Edge_1RB_Right	18.38	18.22	/	18.78	18.72	/	<=30	Pass
	3750	Outer_Full	18.66	18.50	/	19.06	19	/	<=30	Pass
		Inner_Full	18.69	18.46	/	19.09	18.96	/	<=30	Pass
		Inner_1RB_Left	18.75	18.47	/	19.15	18.97	/	<=30	Pass
		Inner_1RB_Right	18.42	18.34	/	18.82	18.84	/	<=30	Pass
	3750	Edge_1RB_Left	18.68	18.31	/	19.08	18.81	/	<=30	Pass
		Edge_1RB_Right	18.36	18.31	/	18.76	18.81	/	<=30	Pass
		Outer_Full	18.63	18.35	/	19.03	18.85	/	<=30	Pass
		Inner_Full	18.76	18.49	/	19.16	18.99	/	<=30	Pass
	3750	Inner_1RB_Left	18.71	18.26	/	19.11	18.76	/	<=30	Pass
		Inner_1RB_Right	18.40	18.32	/	18.80	18.82	/	<=30	Pass
Note1: Antenna Gain: Ant7: 0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n78a SCS=30kHz MIMO 100MHz NTN										
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	19.08	19.19	22.15	19.48	19.69	22.60	<=30	Pass
		Edge_1RB_Right	18.71	19.11	21.93	19.11	19.61	22.38	<=30	Pass
		Outer_Full	19.36	19.56	22.47	19.76	20.06	22.92	<=30	Pass
		Inner_Full	20.96	20.90	23.94	21.36	21.40	24.39	<=30	Pass
		Inner_1RB_Left	20.89	21.12	24.02	21.29	21.62	24.47	<=30	Pass
		Inner_1RB_Right	20.72	21.31	24.04	21.12	21.81	24.49	<=30	Pass
	3750	Edge_1RB_Left	19.07	19.20	22.15	19.47	19.70	22.60	<=30	Pass
		Edge_1RB_Right	18.73	19.29	22.03	19.13	19.79	22.48	<=30	Pass
		Outer_Full	19.31	19.54	22.44	19.71	20.04	22.89	<=30	Pass
		Inner_Full	20.86	20.96	23.92	21.26	21.46	24.37	<=30	Pass
		Inner_1RB_Left	20.92	21.12	24.03	21.32	21.62	24.48	<=30	Pass
		Inner_1RB_Right	20.71	21.28	24.01	21.11	21.78	24.47	<=30	Pass
	3750	Edge_1RB_Left	19.14	19.20	22.18	19.54	19.70	22.63	<=30	Pass
		Edge_1RB_Right	18.81	19.32	22.09	19.21	19.82	22.54	<=30	Pass
		Outer_Full	19.38	19.50	22.45	19.78	20.00	22.90	<=30	Pass
		Inner_Full	20.93	20.96	23.95	21.33	21.46	24.41	<=30	Pass
		Inner_1RB_Left	20.92	21.21	24.08	21.32	21.71	24.53	<=30	Pass
		Inner_1RB_Right	20.70	21.24	23.99	21.10	21.74	24.44	<=30	Pass

2. Frequency Stability

2.1 30k_SISO_100MHz

2.1.1 Test Result

5G NR n78a 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	3750	Outer_Full	20	LV	-8.20	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-19.50	-0.0052	>=-2.5 & <=2.5	Pass
			-20	NV	-14.20	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-12.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-15.90	-0.0042	>=-2.5 & <=2.5	Pass
			30	NV	-11.70	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-17.30	-0.0046	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	20	LV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-17.80	-0.0047	>=-2.5 & <=2.5	Pass
			-20	NV	-13.00	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-14.00	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-13.70	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-10.90	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-18.70	-0.0050	>=-2.5 & <=2.5	Pass
			30	NV	-12.20	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-14.10	-0.0038	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	20	LV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-13.30	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-17.30	-0.0046	>=-2.5 & <=2.5	Pass
			-10	NV	-17.40	-0.0046	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-10.80	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-12.10	-0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	20	LV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-16.20	-0.0043	>=-2.5 & <=2.5	Pass
			-30	NV	-14.20	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-14.70	-0.0039	>=-2.5 & <=2.5	Pass
			20	NV	-14.50	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	20	LV	-16.10	-0.0043	>=-2.5 & <=2.5	Pass
				HV	-14.30	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-19.40	-0.0052	>=-2.5 & <=2.5	Pass
			-10	NV	-14.90	-0.0040	>=-2.5 & <=2.5	Pass

			0	NV	-12.60	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-12.30	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-11.90	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-18.50	-0.0049	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3750	Outer_Full	20	LV	-10.80	-0.0029	≥ -2.5 & ≤ 2.5	Pass
				HV	-9.70	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-20.70	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.80	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.30	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-17.50	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-19.90	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-13.60	-0.0036	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3750	Outer_Full	20	LV	-11.60	-0.0031	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.70	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.30	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-10.50	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.60	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-14.40	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.40	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-13.10	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-19.90	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-13.20	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.10	-0.0022	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3750	Outer_Full	20	LV	-4.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.90	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-14.00	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-14.20	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-17.00	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-13.80	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-13.00	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-20.00	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-12.80	-0.0034	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3750	Outer_Full	20	LV	-8.40	-0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	-15.70	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-12.50	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.40	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-12.70	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.50	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-17.20	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-11.00	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-12.00	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-11.10	-0.0030	≥ -2.5 & ≤ 2.5	Pass

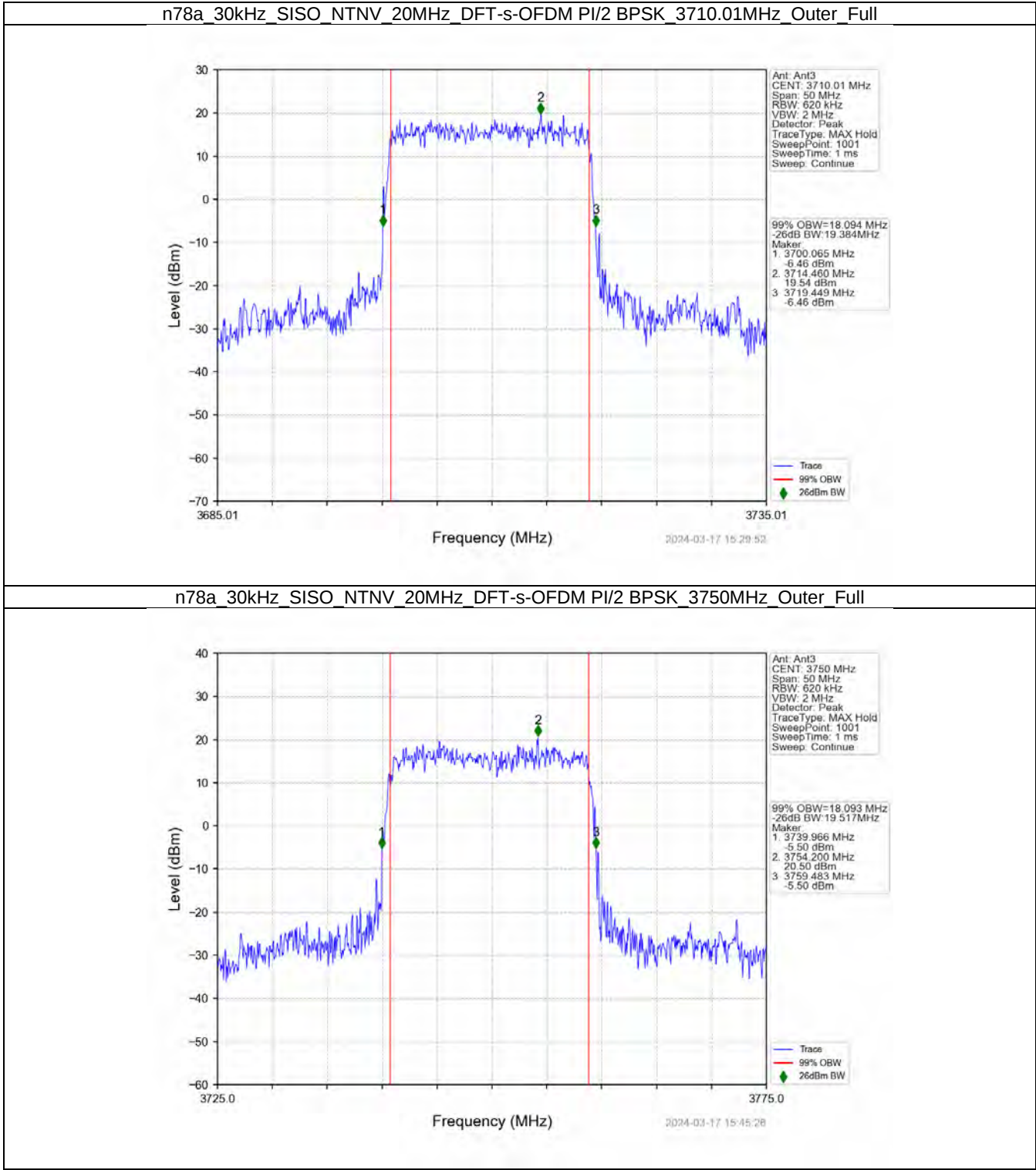
3. 99% & 26dB Bandwidth

3.1 30k_SISO_20MHz_NTNV

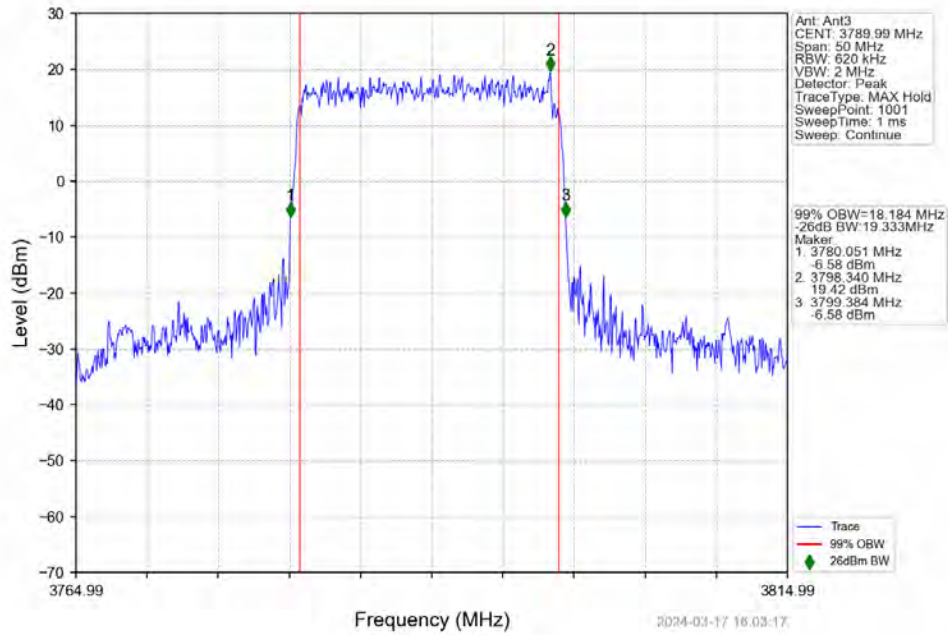
3.1.1 Test Result

5G NR n78a 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	18.09	19.38	/	Pass
	3750	Outer_Full	18.09	19.52	/	Pass
	3789.99	Outer_Full	18.18	19.33	/	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.14	19.74	/	Pass
	3750	Outer_Full	18.13	19.39	/	Pass
	3789.99	Outer_Full	18.06	19.33	/	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	18.20	19.33	/	Pass
	3750	Outer_Full	18.02	19.50	/	Pass
	3789.99	Outer_Full	18.19	19.44	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.10	19.26	/	Pass
	3750	Outer_Full	18.00	19.32	/	Pass
	3789.99	Outer_Full	18.01	19.33	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	18.14	19.84	/	Pass
	3750	Outer_Full	18.02	19.39	/	Pass
	3789.99	Outer_Full	18.12	19.61	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	18.39	20.17	/	Pass
	3750	Outer_Full	18.31	19.67	/	Pass
	3789.99	Outer_Full	18.39	19.86	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	18.36	20.59	/	Pass
	3750	Outer_Full	18.41	19.86	/	Pass
	3789.99	Outer_Full	18.32	19.59	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	18.36	20.11	/	Pass
	3750	Outer_Full	18.46	19.63	/	Pass
	3789.99	Outer_Full	18.36	19.79	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	18.37	20.06	/	Pass
	3750	Outer_Full	18.38	19.57	/	Pass
	3789.99	Outer_Full	18.43	20.27	/	Pass

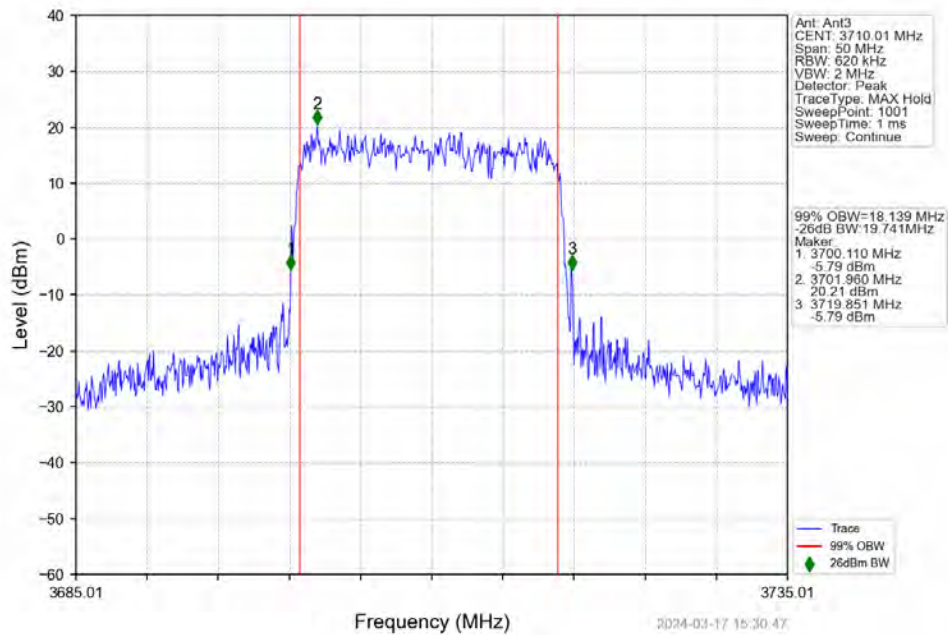
3.1.2 Test Graph



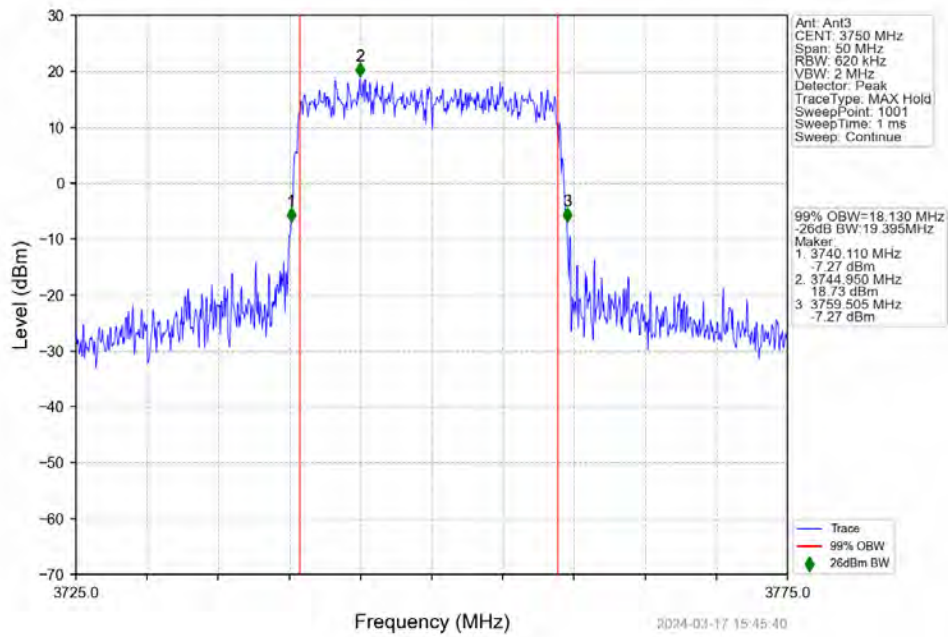
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3789.99MHz Outer Full



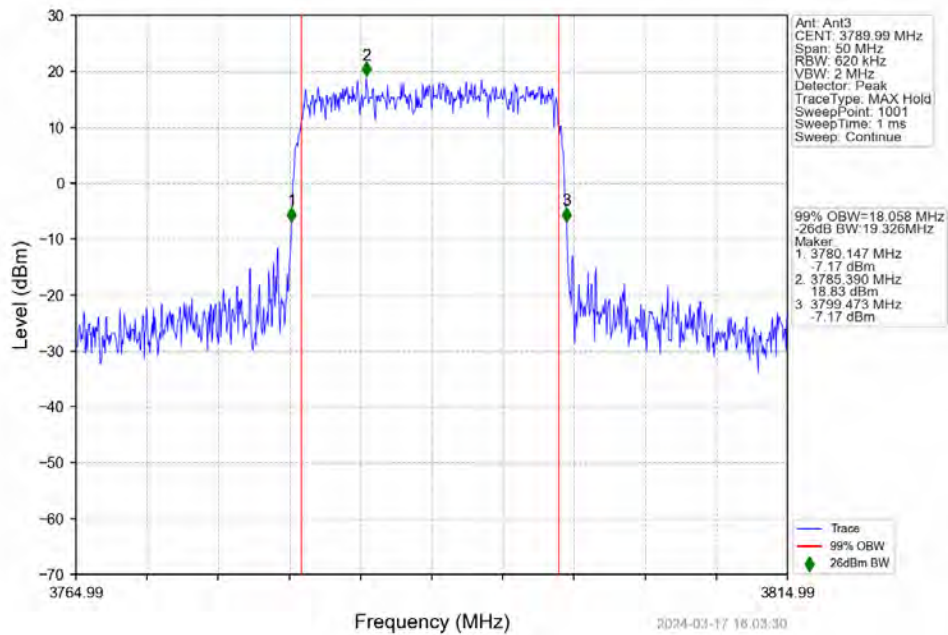
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3710.01MHz Outer Full



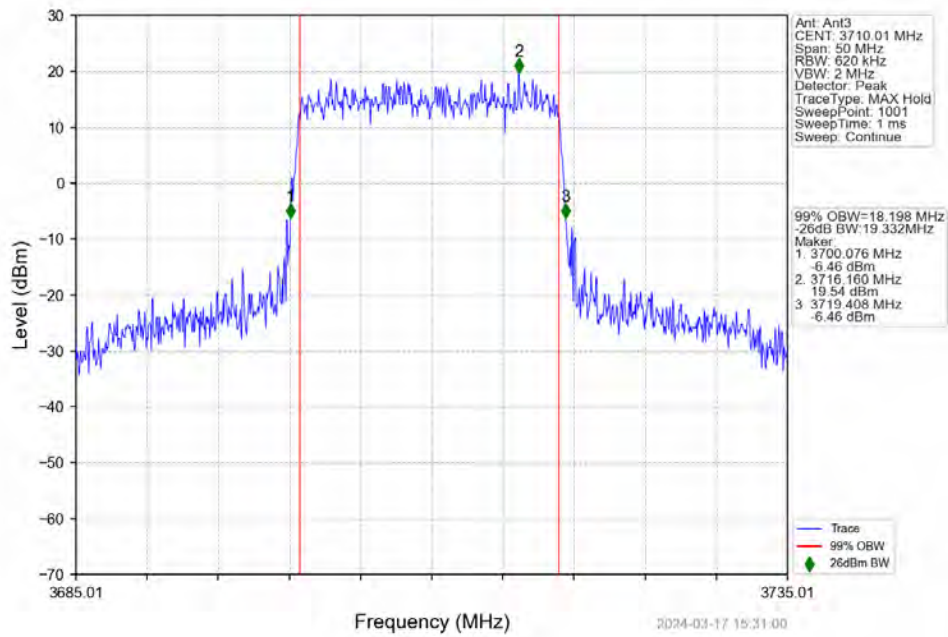
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3750MHz Outer Full



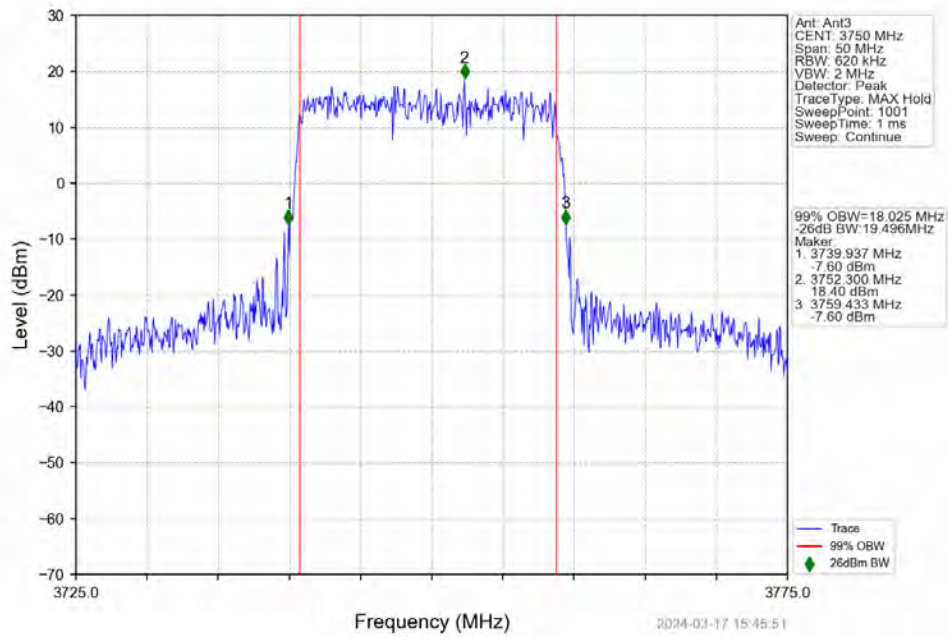
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3789.99MHz Outer Full



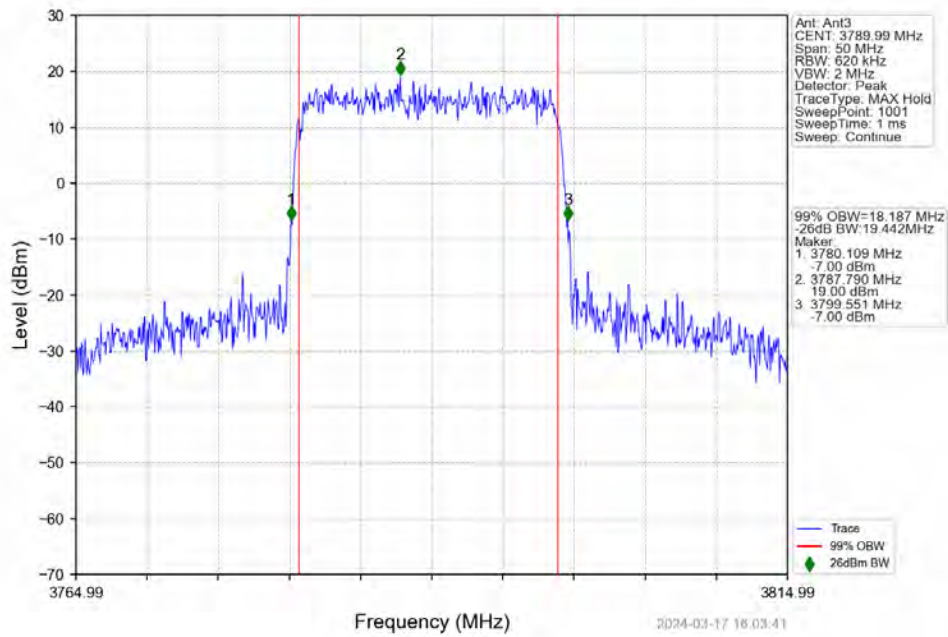
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3710.01MHz Outer Full



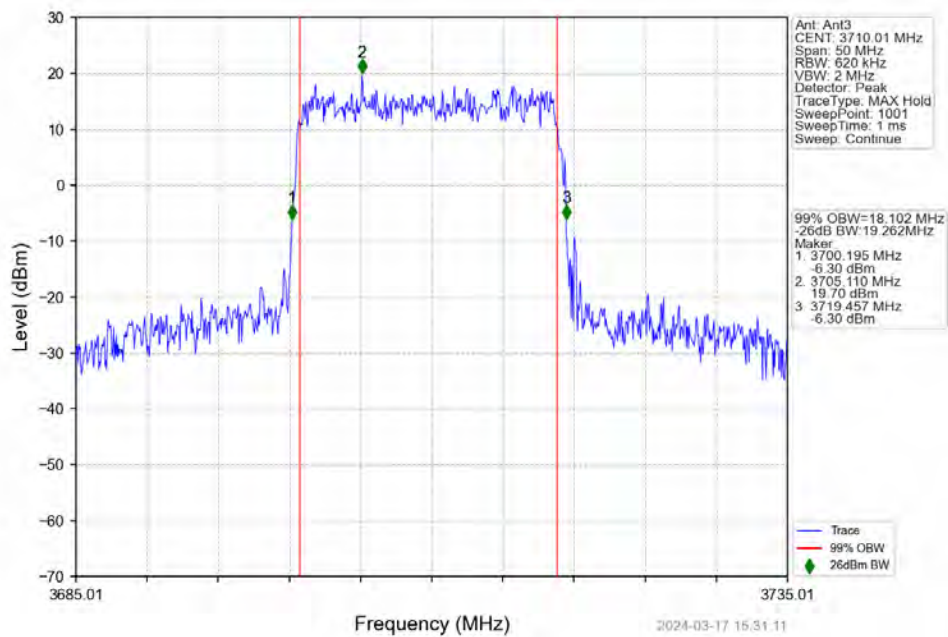
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3750MHz Outer Full



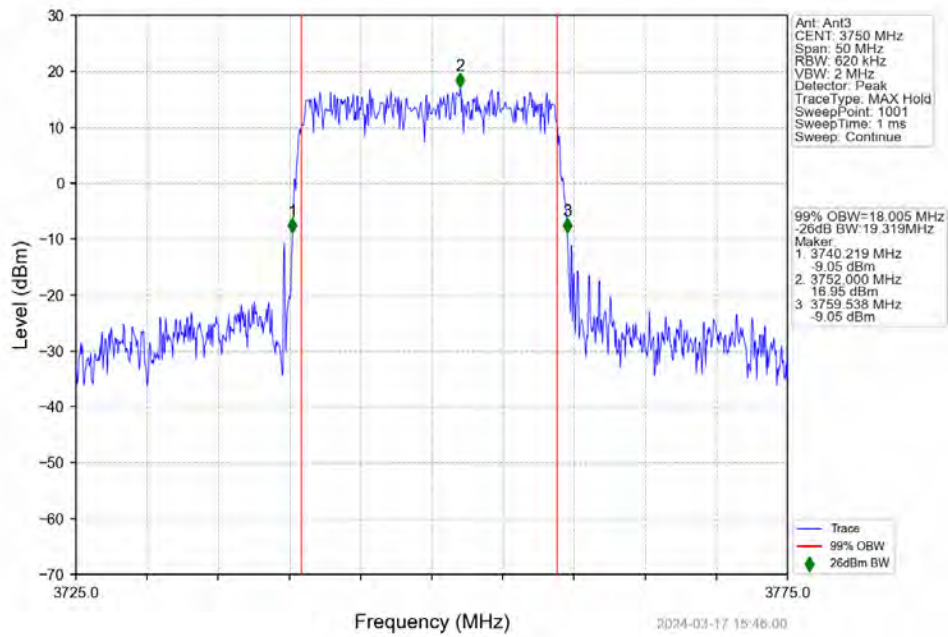
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3789.99MHz Outer Full



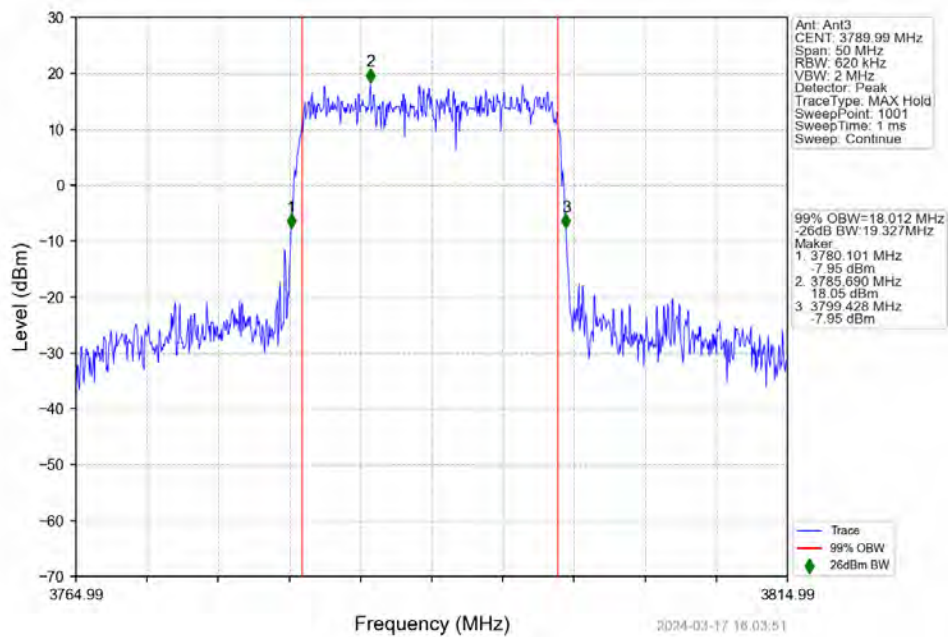
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 3710.01MHz Outer Full



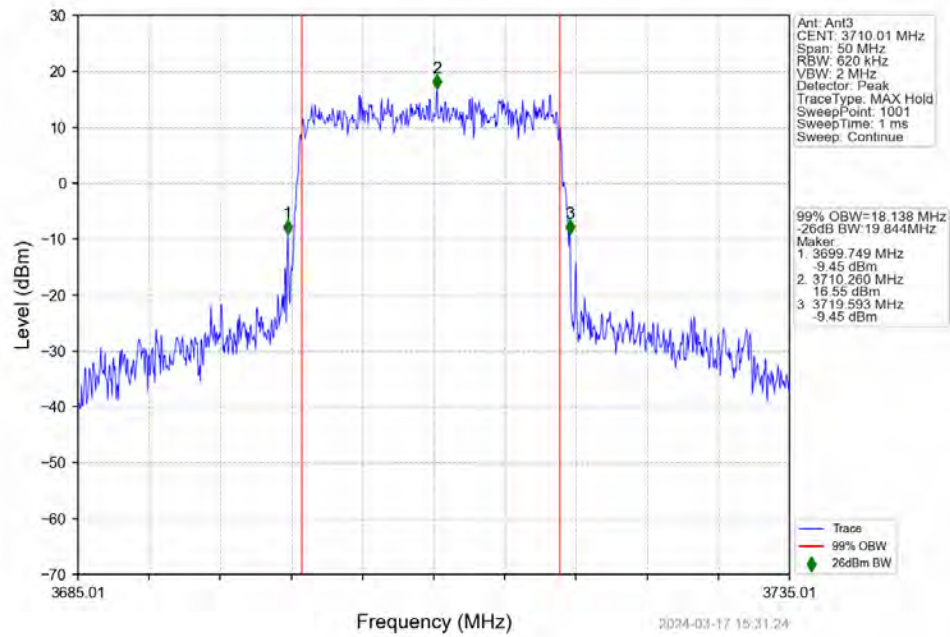
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 3750MHz Outer Full



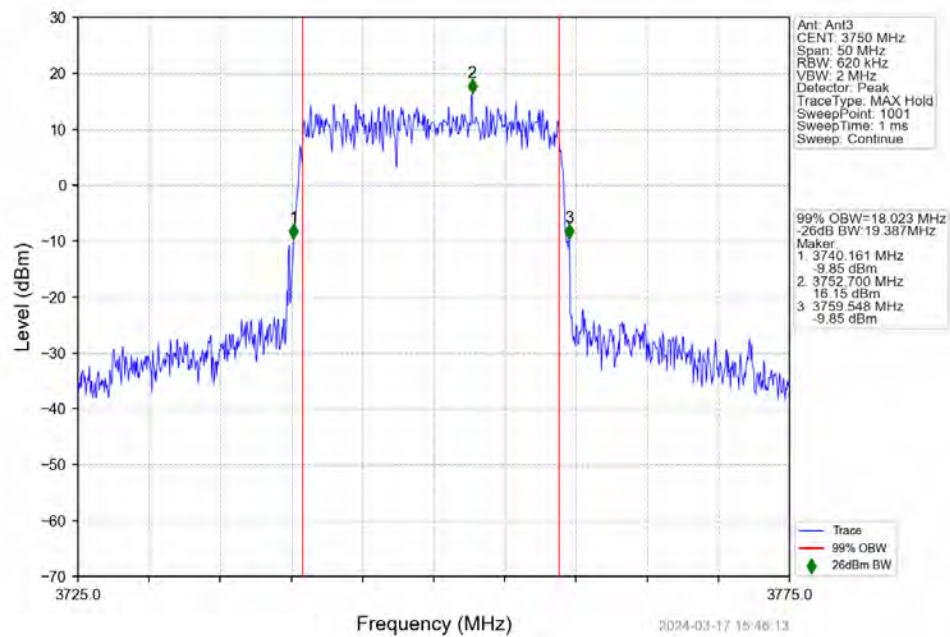
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 3789.99MHz Outer Full



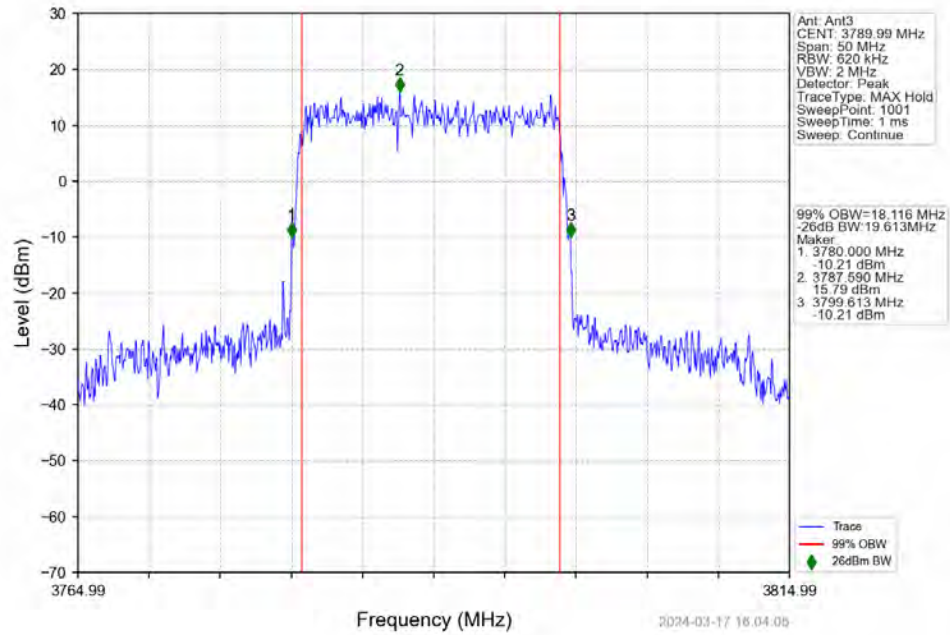
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3710.01MHz Outer Full



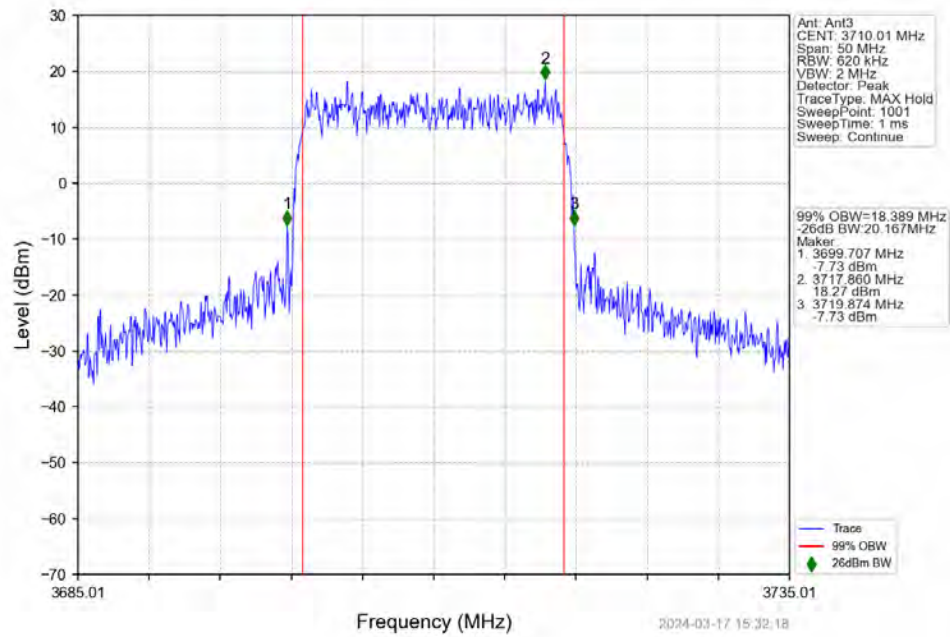
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3750MHz Outer Full



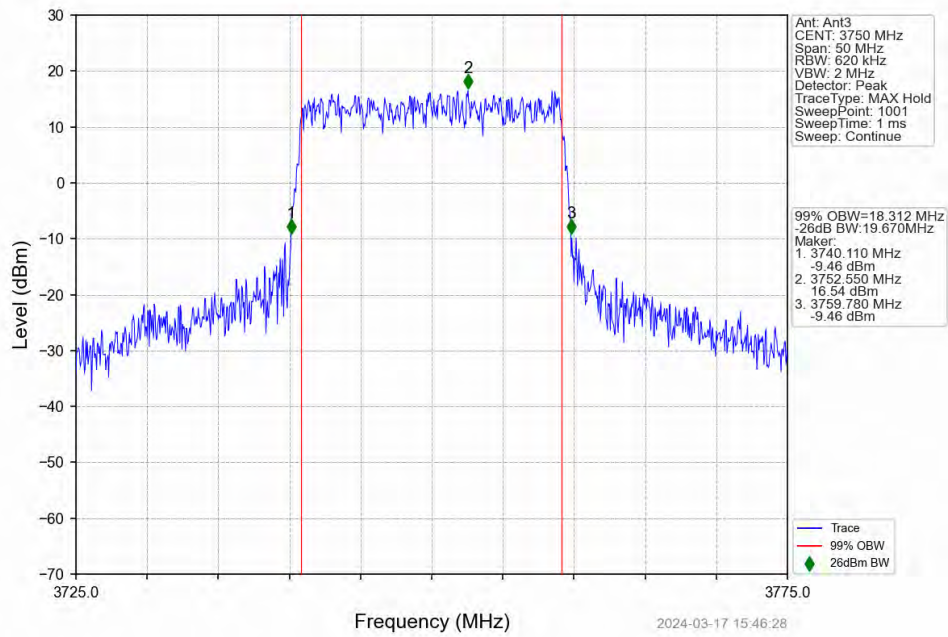
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3789.99MHz Outer Full



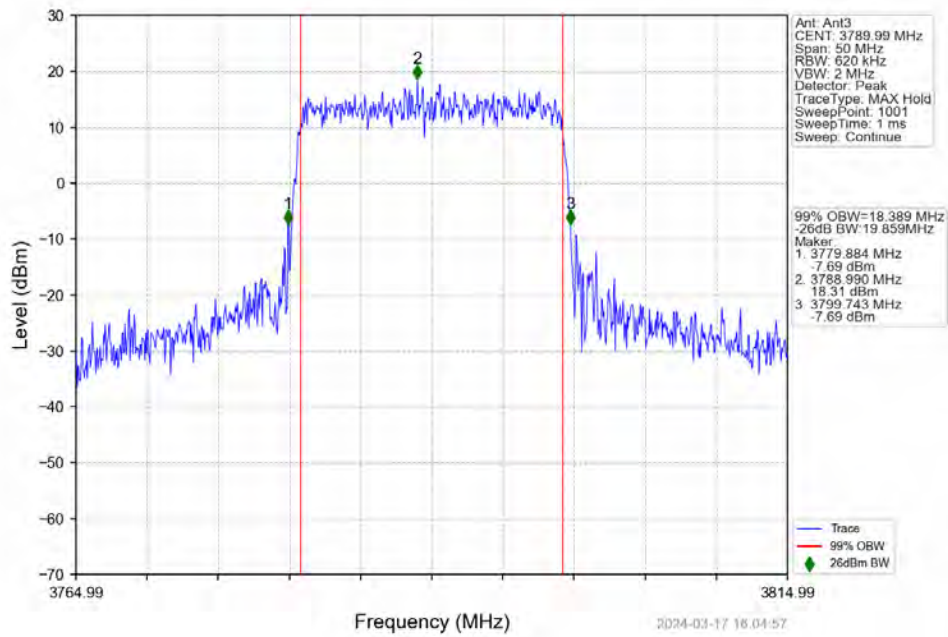
n78a 30kHz SISO NTN 20MHz CP-OFDM QPSK 3710.01MHz Outer Full



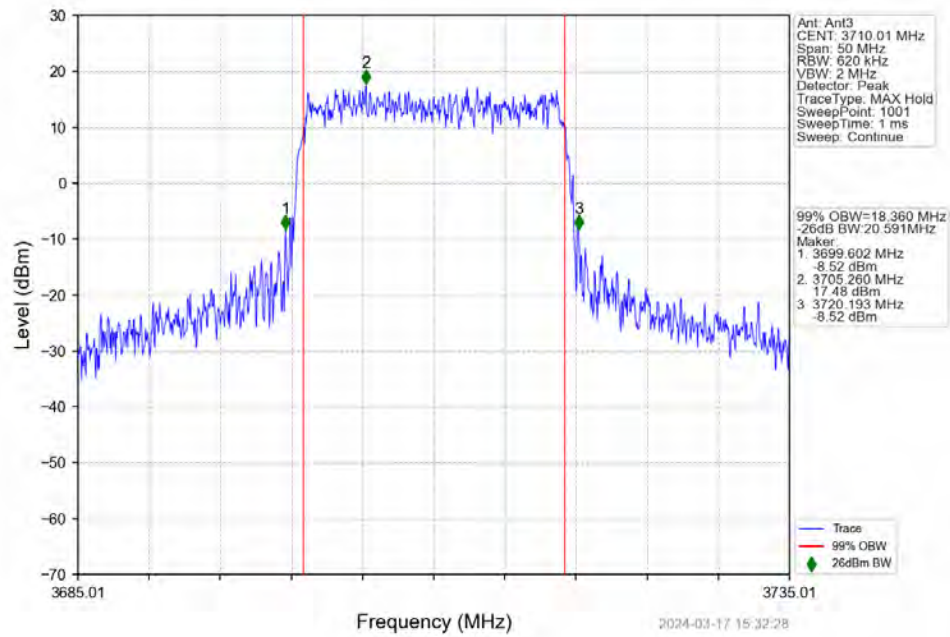
n78a 30kHz SISO NTN 20MHz CP-OFDM QPSK 3750MHz Outer Full



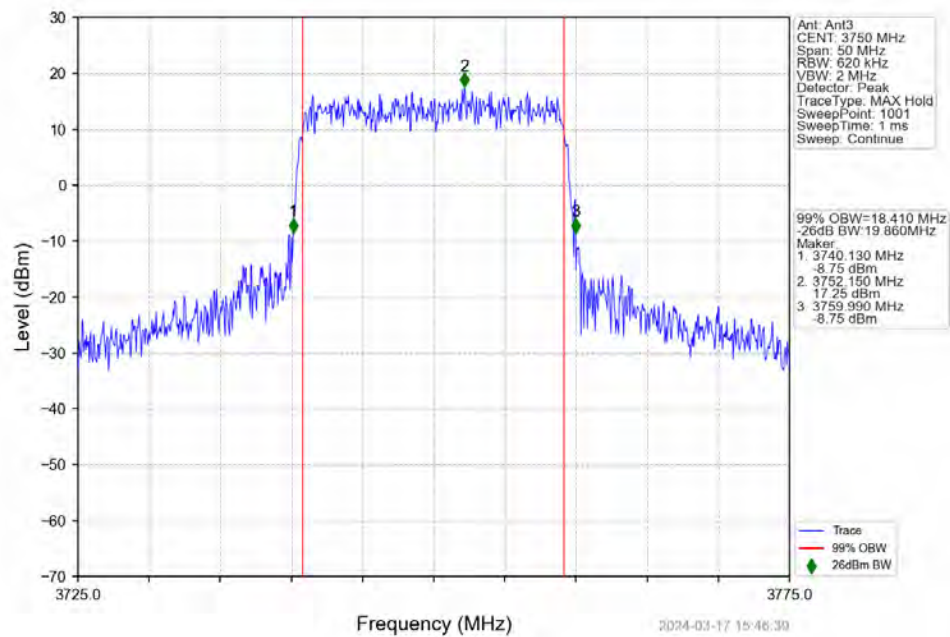
n78a 30kHz SISO NTN 20MHz CP-OFDM QPSK 3789.99MHz Outer Full



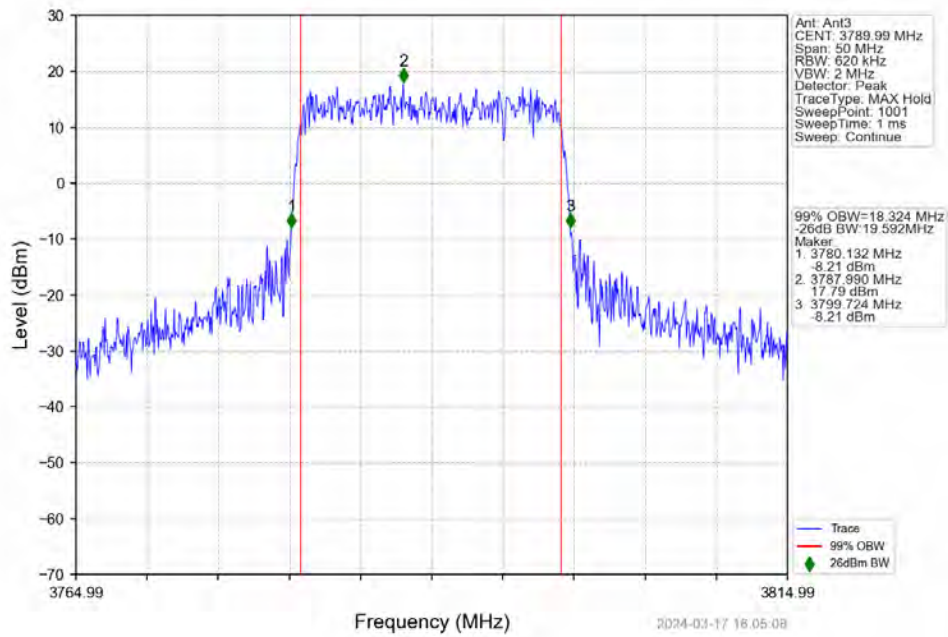
n78a 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3710.01MHz Outer Full



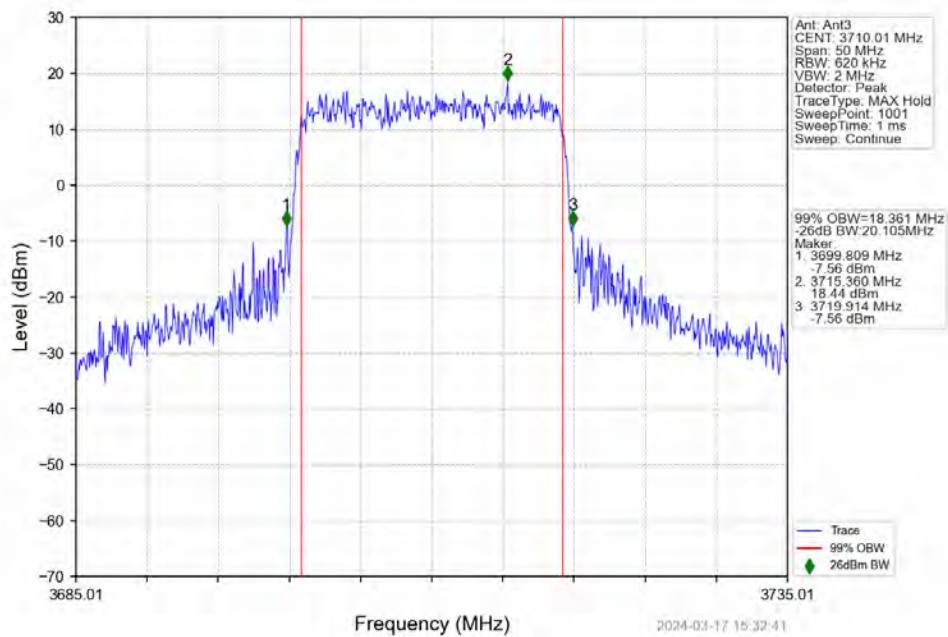
n78a 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3750MHz Outer Full



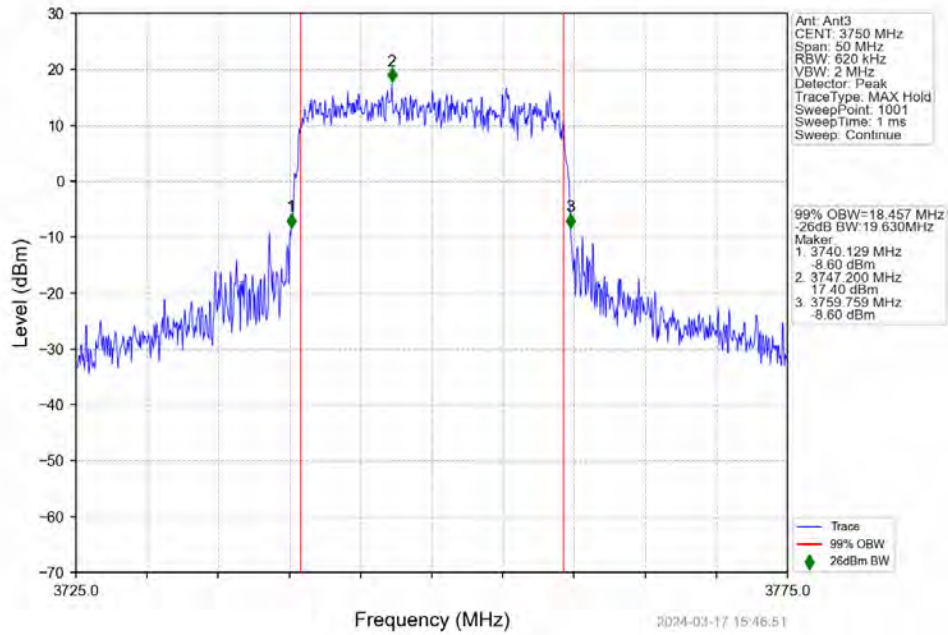
n78a 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3789.99MHz Outer Full



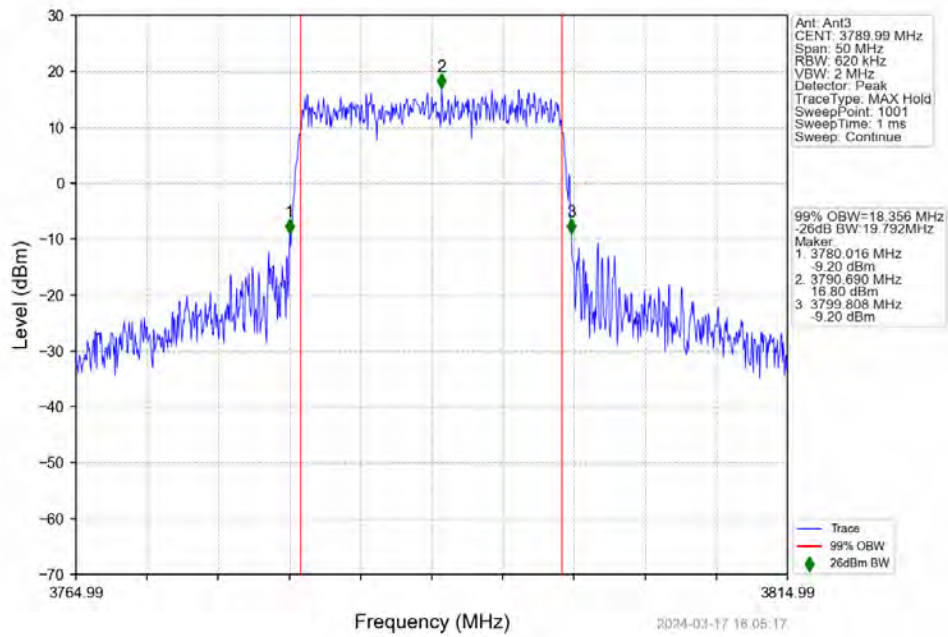
n78a 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3710.01MHz Outer Full



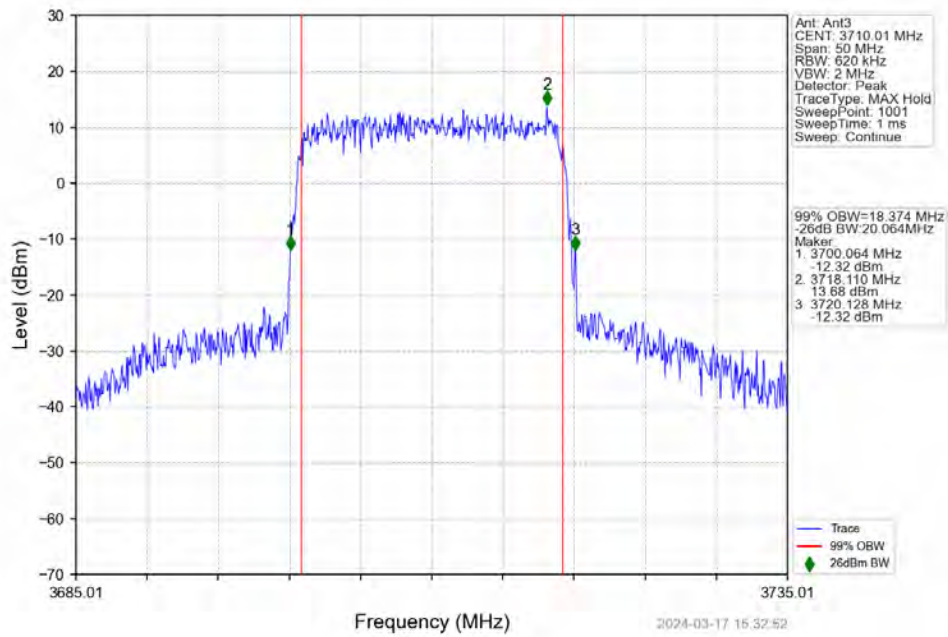
n78a 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3750MHz Outer Full



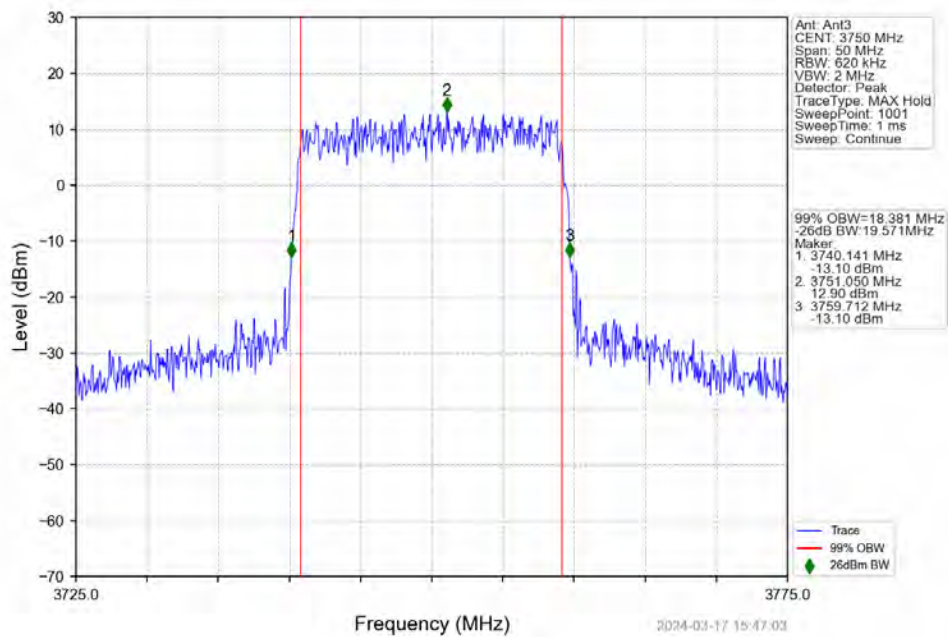
n78a 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3789.99MHz Outer Full



n78a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3710.01MHz Outer Full



n78a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3750MHz Outer Full



n78a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3789.99MHz Outer Full

