

1. Effective (Isotropic) Radiated Power Output Data

1.1 30k_20MHz_NTNV_EIRP

1.1.1 Test Result

5G NR n77d SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant7	Ant3	Sum	Ant7	Ant3	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	22.58	21.16	/	22.88	21.36	/	<=30	Pass
		Edge_1RB_Right	22.03	21.38	/	22.33	21.58	/	<=30	Pass
		Outer_Full	25.38	24.52	/	25.68	24.72	/	<=30	Pass
		Inner_Full	25.81	25.04	/	26.11	25.24	/	<=30	Pass
		Inner_1RB_Left	25.98	24.81	/	26.28	25.01	/	<=30	Pass
		Inner_1RB_Right	25.60	24.97	/	25.9	25.17	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.89	20.54	/	22.19	20.74	/	<=30	Pass
		Edge_1RB_Right	21.83	20.99	/	22.13	21.19	/	<=30	Pass
		Outer_Full	24.81	23.93	/	25.11	24.13	/	<=30	Pass
		Inner_Full	25.36	24.40	/	25.66	24.60	/	<=30	Pass
		Inner_1RB_Left	25.32	24.03	/	25.62	24.23	/	<=30	Pass
		Inner_1RB_Right	25.36	24.62	/	25.66	24.82	/	<=30	Pass
	3540	Edge_1RB_Left	22.04	21.62	/	22.34	21.82	/	<=30	Pass
		Edge_1RB_Right	22.02	19.92	/	22.32	20.12	/	<=30	Pass
		Outer_Full	24.87	24.33	/	25.17	24.53	/	<=30	Pass
		Inner_Full	25.41	24.94	/	25.71	25.14	/	<=30	Pass
		Inner_1RB_Left	25.43	25.22	/	25.73	25.42	/	<=30	Pass
		Inner_1RB_Right	25.52	24.30	/	25.82	24.50	/	<=30	Pass
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	22.44	21.08	/	22.74	21.28	/	<=30	Pass
		Edge_1RB_Right	22.04	21.33	/	22.34	21.53	/	<=30	Pass
		Outer_Full	24.79	24.00	/	25.09	24.20	/	<=30	Pass
		Inner_Full	25.89	25.12	/	26.19	25.32	/	<=30	Pass
		Inner_1RB_Left	26.00	24.65	/	26.3	24.85	/	<=30	Pass
		Inner_1RB_Right	25.60	24.94	/	25.9	25.14	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.71	20.53	/	22.01	20.73	/	<=30	Pass
		Edge_1RB_Right	21.78	21.05	/	22.08	21.25	/	<=30	Pass
		Outer_Full	24.35	23.38	/	24.65	23.58	/	<=30	Pass
		Inner_Full	25.33	24.40	/	25.63	24.60	/	<=30	Pass
		Inner_1RB_Left	25.29	24.06	/	25.59	24.26	/	<=30	Pass
		Inner_1RB_Right	25.22	24.56	/	25.52	24.76	/	<=30	Pass
	3540	Edge_1RB_Left	21.98	21.58	/	22.28	21.78	/	<=30	Pass
		Edge_1RB_Right	21.89	20.64	/	22.19	20.84	/	<=30	Pass
		Outer_Full	24.37	23.80	/	24.67	24.00	/	<=30	Pass
		Inner_Full	25.35	24.97	/	25.65	25.17	/	<=30	Pass
		Inner_1RB_Left	25.42	25.13	/	25.72	25.33	/	<=30	Pass
		Inner_1RB_Right	25.32	24.20	/	25.62	24.40	/	<=30	Pass
DFT-s-OFDM 16 QAM	3460.02	Edge_1RB_Left	22.37	20.95	/	22.67	21.15	/	<=30	Pass
		Edge_1RB_Right	21.99	21.25	/	22.29	21.45	/	<=30	Pass
		Outer_Full	23.78	23.00	/	24.08	23.20	/	<=30	Pass
		Inner_Full	24.86	24.09	/	25.16	24.29	/	<=30	Pass
		Inner_1RB_Left	24.87	23.56	/	25.17	23.76	/	<=30	Pass
		Inner_1RB_Right	24.38	23.73	/	24.68	23.93	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.61	20.41	/	21.91	20.61	/	<=30	Pass
		Edge_1RB_Right	21.71	20.98	/	22.01	21.18	/	<=30	Pass
		Outer_Full	23.32	22.39	/	23.62	22.59	/	<=30	Pass
		Inner_Full	24.32	23.44	/	24.62	23.64	/	<=30	Pass
		Inner_1RB_Left	24.16	22.91	/	24.46	23.11	/	<=30	Pass
		Inner_1RB_Right	24.18	23.62	/	24.48	23.82	/	<=30	Pass
	3540	Edge_1RB_Left	21.89	20.70	/	22.19	20.90	/	<=30	Pass

		Edge_1RB_Right	21.83	20.55	/	22.13	20.75	/	<=30	Pass
		Outer_Full	23.49	22.88	/	23.79	23.08	/	<=30	Pass
		Inner_Full	24.40	23.88	/	24.7	24.08	/	<=30	Pass
		Inner_1RB_Left	24.36	24.01	/	24.66	24.21	/	<=30	Pass
		Inner_1RB_Right	24.33	23.02	/	24.63	23.22	/	<=30	Pass
DFT-s-OFDM 64 QAM	3460.02	Edge_1RB_Left	22.54	21.28	/	22.84	21.48	/	<=30	Pass
		Edge_1RB_Right	22.13	21.55	/	22.43	21.75	/	<=30	Pass
		Outer_Full	23.31	22.56	/	23.61	22.76	/	<=30	Pass
		Inner_Full	23.41	22.62	/	23.71	22.82	/	<=30	Pass
		Inner_1RB_Left	23.59	22.17	/	23.89	22.37	/	<=30	Pass
		Inner_1RB_Right	23.10	22.52	/	23.4	22.72	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.80	20.61	/	22.1	20.81	/	<=30	Pass
		Edge_1RB_Right	21.94	21.22	/	22.24	21.42	/	<=30	Pass
		Outer_Full	22.80	21.93	/	23.1	22.13	/	<=30	Pass
		Inner_Full	22.82	21.90	/	23.12	22.10	/	<=30	Pass
		Inner_1RB_Left	22.79	21.54	/	23.09	21.74	/	<=30	Pass
		Inner_1RB_Right	22.89	22.16	/	23.19	22.36	/	<=30	Pass
	3540	Edge_1RB_Left	21.93	21.76	/	22.23	21.96	/	<=30	Pass
		Edge_1RB_Right	22.04	20.74	/	22.34	20.94	/	<=30	Pass
		Outer_Full	22.94	22.31	/	23.24	22.51	/	<=30	Pass
		Inner_Full	22.92	22.40	/	23.22	22.60	/	<=30	Pass
		Inner_1RB_Left	22.92	22.70	/	23.22	22.90	/	<=30	Pass
		Inner_1RB_Right	22.98	21.72	/	23.28	21.92	/	<=30	Pass
DFT-s-OFDM 256 QAM	3460.02	Edge_1RB_Left	21.48	20.20	/	21.78	20.40	/	<=30	Pass
		Edge_1RB_Right	21.01	20.47	/	21.31	20.67	/	<=30	Pass
		Outer_Full	21.34	20.52	/	21.64	20.72	/	<=30	Pass
		Inner_Full	21.35	20.63	/	21.65	20.83	/	<=30	Pass
		Inner_1RB_Left	21.47	20.35	/	21.77	20.55	/	<=30	Pass
		Inner_1RB_Right	21.20	20.52	/	21.5	20.72	/	<=30	Pass
	3500.01	Edge_1RB_Left	20.60	19.53	/	20.9	19.73	/	<=30	Pass
		Edge_1RB_Right	20.74	20.10	/	21.04	20.30	/	<=30	Pass
		Outer_Full	20.85	19.88	/	21.15	20.08	/	<=30	Pass
		Inner_Full	20.87	19.99	/	21.17	20.19	/	<=30	Pass
		Inner_1RB_Left	20.72	19.63	/	21.02	19.83	/	<=30	Pass
		Inner_1RB_Right	20.84	20.05	/	21.14	20.25	/	<=30	Pass
	3540	Edge_1RB_Left	20.87	20.52	/	21.17	20.72	/	<=30	Pass
		Edge_1RB_Right	20.97	19.56	/	21.27	19.76	/	<=30	Pass
		Outer_Full	20.81	20.43	/	21.11	20.63	/	<=30	Pass
		Inner_Full	20.96	20.51	/	21.26	20.71	/	<=30	Pass
		Inner_1RB_Left	20.81	20.61	/	21.11	20.81	/	<=30	Pass
		Inner_1RB_Right	20.91	19.73	/	21.21	19.93	/	<=30	Pass
CP-OFDM QPSK	3460.02	Edge_1RB_Left	22.67	21.29	/	22.97	21.49	/	<=30	Pass
		Edge_1RB_Right	22.18	21.55	/	22.48	21.75	/	<=30	Pass
		Outer_Full	22.82	21.99	/	23.12	22.19	/	<=30	Pass
		Inner_Full	24.39	23.58	/	24.69	23.78	/	<=30	Pass
		Inner_1RB_Left	24.52	23.34	/	24.82	23.54	/	<=30	Pass
		Inner_1RB_Right	24.06	23.51	/	24.36	23.71	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.86	20.68	/	22.16	20.88	/	<=30	Pass
		Edge_1RB_Right	21.90	21.22	/	22.2	21.42	/	<=30	Pass
		Outer_Full	22.32	21.36	/	22.62	21.56	/	<=30	Pass
		Inner_Full	23.88	22.93	/	24.18	23.13	/	<=30	Pass
		Inner_1RB_Left	23.88	22.66	/	24.18	22.86	/	<=30	Pass
		Inner_1RB_Right	24.07	23.10	/	24.37	23.30	/	<=30	Pass
	3540	Edge_1RB_Left	21.98	21.76	/	22.28	21.96	/	<=30	Pass
		Edge_1RB_Right	22.03	20.80	/	22.33	21.00	/	<=30	Pass
		Outer_Full	22.43	21.91	/	22.73	22.11	/	<=30	Pass
		Inner_Full	23.82	23.39	/	24.12	23.59	/	<=30	Pass
		Inner_1RB_Left	23.96	23.83	/	24.26	24.03	/	<=30	Pass
		Inner_1RB_Right	24.00	22.82	/	24.3	23.02	/	<=30	Pass

CP-OFDM 16 QAM	3460.02	Edge 1RB Left	22.44	21.17	/	22.74	21.37	/	<=30	Pass
		Edge 1RB Right	21.96	21.34	/	22.26	21.54	/	<=30	Pass
		Outer Full	22.84	22.03	/	23.14	22.23	/	<=30	Pass
		Inner Full	23.74	23.14	/	24.04	23.34	/	<=30	Pass
		Inner 1RB Left	23.83	22.63	/	24.13	22.83	/	<=30	Pass
		Inner 1RB Right	23.53	22.84	/	23.83	23.04	/	<=30	Pass
	3500.01	Edge 1RB Left	21.58	20.42	/	21.88	20.62	/	<=30	Pass
		Edge 1RB Right	21.64	20.97	/	21.94	21.17	/	<=30	Pass
		Outer Full	22.38	21.51	/	22.68	21.71	/	<=30	Pass
		Inner Full	23.22	22.49	/	23.52	22.69	/	<=30	Pass
		Inner 1RB Left	23.12	22.02	/	23.42	22.22	/	<=30	Pass
		Inner 1RB Right	23.33	22.46	/	23.63	22.66	/	<=30	Pass
	3540	Edge 1RB Left	21.98	21.61	/	22.28	21.81	/	<=30	Pass
		Edge 1RB Right	21.98	20.69	/	22.28	20.89	/	<=30	Pass
		Outer Full	22.47	21.91	/	22.77	22.11	/	<=30	Pass
		Inner Full	23.45	22.91	/	23.75	23.11	/	<=30	Pass
		Inner 1RB Left	23.65	23.12	/	23.95	23.32	/	<=30	Pass
		Inner 1RB Right	23.47	22.27	/	23.77	22.47	/	<=30	Pass
CP-OFDM 64 QAM	3460.02	Edge 1RB Left	22.55	21.20	/	22.85	21.40	/	<=30	Pass
		Edge 1RB Right	22.17	21.43	/	22.47	21.63	/	<=30	Pass
		Outer Full	22.25	21.51	/	22.55	21.71	/	<=30	Pass
		Inner Full	22.29	21.58	/	22.59	21.78	/	<=30	Pass
		Inner 1RB Left	22.60	21.26	/	22.9	21.46	/	<=30	Pass
		Inner 1RB Right	22.19	21.47	/	22.49	21.67	/	<=30	Pass
	3500.01	Edge 1RB Left	21.75	20.62	/	22.05	20.82	/	<=30	Pass
		Edge 1RB Right	21.93	21.20	/	22.23	21.40	/	<=30	Pass
		Outer Full	21.77	20.98	/	22.07	21.18	/	<=30	Pass
		Inner Full	21.81	20.96	/	22.11	21.16	/	<=30	Pass
		Inner 1RB Left	21.77	20.66	/	22.07	20.86	/	<=30	Pass
		Inner 1RB Right	21.95	21.32	/	22.25	21.52	/	<=30	Pass
	3540	Edge 1RB Left	22.16	21.65	/	22.46	21.85	/	<=30	Pass
		Edge 1RB Right	22.11	20.81	/	22.41	21.01	/	<=30	Pass
		Outer Full	21.89	21.30	/	22.19	21.50	/	<=30	Pass
		Inner Full	21.88	21.46	/	22.18	21.66	/	<=30	Pass
		Inner 1RB Left	22.17	21.78	/	22.47	21.98	/	<=30	Pass
		Inner 1RB Right	22.19	20.84	/	22.49	21.04	/	<=30	Pass
CP-OFDM 256 QAM	3460.02	Edge 1RB Left	19.47	18.23	/	19.77	18.43	/	<=30	Pass
		Edge 1RB Right	19.03	18.55	/	19.33	18.75	/	<=30	Pass
		Outer Full	19.36	18.49	/	19.66	18.69	/	<=30	Pass
		Inner Full	19.34	18.64	/	19.64	18.84	/	<=30	Pass
		Inner 1RB Left	19.42	18.27	/	19.72	18.47	/	<=30	Pass
		Inner 1RB Right	19.00	18.47	/	19.3	18.67	/	<=30	Pass
	3500.01	Edge 1RB Left	18.71	17.56	/	19.01	17.76	/	<=30	Pass
		Edge 1RB Right	18.87	18.21	/	19.17	18.41	/	<=30	Pass
		Outer Full	18.80	17.95	/	19.1	18.15	/	<=30	Pass
		Inner Full	18.89	17.99	/	19.19	18.19	/	<=30	Pass
		Inner 1RB Left	18.83	17.60	/	19.13	17.80	/	<=30	Pass
		Inner 1RB Right	18.78	18.12	/	19.08	18.32	/	<=30	Pass
	3540	Edge 1RB Left	18.99	18.63	/	19.29	18.83	/	<=30	Pass
		Edge 1RB Right	18.96	17.74	/	19.26	17.94	/	<=30	Pass
		Outer Full	18.86	18.40	/	19.16	18.60	/	<=30	Pass
Inner Full		18.96	18.48	/	19.26	18.68	/	<=30	Pass	
Inner 1RB Left		19.13	18.85	/	19.43	19.05	/	<=30	Pass	
Inner 1RB Right	19.01	17.83	/	19.31	18.03	/	<=30	Pass		
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77d 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	3460.02	Edge_1RB_Left	18.52	19.59	22.10	18.72	19.89	22.35	<=30	Pass
		Edge_1RB_Right	18.27	19.72	22.07	18.47	20.02	22.32	<=30	Pass
		Outer_Full	19.12	20.01	22.60	19.32	20.31	22.85	<=30	Pass
		Inner_Full	20.69	21.36	24.05	20.89	21.66	24.30	<=30	Pass
		Inner_1RB_Left	20.75	21.60	24.20	20.95	21.90	24.46	<=30	Pass
		Inner_1RB_Right	20.33	21.66	24.06	20.53	21.96	24.31	<=30	Pass
	3500.01	Edge_1RB_Left	18.16	20.01	22.19	18.36	20.31	22.45	<=30	Pass
		Edge_1RB_Right	18.58	20.18	22.47	18.78	20.48	22.72	<=30	Pass
		Outer_Full	18.89	20.47	22.76	19.09	20.77	23.02	<=30	Pass
		Inner_Full	20.41	21.90	24.23	20.61	22.20	24.49	<=30	Pass
		Inner_1RB_Left	20.11	21.92	24.12	20.31	22.22	24.38	<=30	Pass
		Inner_1RB_Right	20.73	22.10	24.48	20.93	22.40	24.74	<=30	Pass
	3540	Edge_1RB_Left	18.72	20.02	22.43	18.92	20.32	22.69	<=30	Pass
		Edge_1RB_Right	17.42	20.05	21.94	17.62	20.35	22.21	<=30	Pass
		Outer_Full	18.38	20.28	22.44	18.58	20.58	22.70	<=30	Pass
		Inner_Full	19.86	21.62	23.84	20.06	21.92	24.10	<=30	Pass
		Inner_1RB_Left	20.58	21.82	24.25	20.78	22.12	24.51	<=30	Pass
CP-OFDM 16 QAM	3460.02	Inner_1RB_Right	19.43	21.80	23.78	19.63	22.10	24.05	<=30	Pass
		Edge_1RB_Left	18.68	19.70	22.23	18.88	20.00	22.49	<=30	Pass
		Edge_1RB_Right	18.25	19.81	22.11	18.45	20.11	22.37	<=30	Pass
		Outer_Full	19.12	20.04	22.61	19.32	20.34	22.87	<=30	Pass
		Inner_Full	20.17	20.93	23.58	20.37	21.23	23.83	<=30	Pass
	3500.01	Inner_1RB_Left	20.16	21.11	23.67	20.36	21.41	23.93	<=30	Pass
		Inner_1RB_Right	19.85	21.22	23.60	20.05	21.52	23.86	<=30	Pass
		Edge_1RB_Left	18.03	20.05	22.16	18.23	20.35	22.43	<=30	Pass
		Edge_1RB_Right	18.61	20.27	22.53	18.81	20.57	22.79	<=30	Pass
		Outer_Full	18.94	20.59	22.85	19.14	20.89	23.11	<=30	Pass
	3540	Inner_Full	19.98	21.48	23.80	20.18	21.78	24.06	<=30	Pass
		Inner_1RB_Left	19.63	21.69	23.79	19.83	21.99	24.05	<=30	Pass
		Inner_1RB_Right	19.95	21.99	24.10	20.15	22.29	24.36	<=30	Pass
		Edge_1RB_Left	18.56	19.82	22.24	18.76	20.12	22.50	<=30	Pass
		Edge_1RB_Right	17.31	19.88	21.79	17.51	20.18	22.06	<=30	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	18.44	20.26	22.46	18.64	20.56	22.72	<=30	Pass
		Inner_Full	19.36	21.28	23.43	19.56	21.58	23.70	<=30	Pass
		Inner_1RB_Left	20.11	21.27	23.74	20.31	21.57	24.00	<=30	Pass
		Inner_1RB_Right	18.75	21.47	23.33	18.95	21.77	23.60	<=30	Pass
		Edge_1RB_Left	18.68	19.50	22.12	18.88	19.80	22.37	<=30	Pass
	3500.01	Edge_1RB_Right	18.33	19.72	22.09	18.53	20.02	22.35	<=30	Pass
		Outer_Full	18.60	19.52	22.10	18.80	19.82	22.35	<=30	Pass
		Inner_Full	18.58	19.40	22.02	18.78	19.70	22.27	<=30	Pass
		Inner_1RB_Left	18.63	19.48	22.09	18.83	19.78	22.34	<=30	Pass
		Inner_1RB_Right	18.27	19.66	22.03	18.47	19.96	22.29	<=30	Pass
	3540	Edge_1RB_Left	18.06	19.86	22.06	18.26	20.16	22.32	<=30	Pass
		Edge_1RB_Right	12.14	13.98	16.17	12.34	14.28	16.43	<=30	Pass
		Outer_Full	18.45	20.04	22.33	18.65	20.34	22.59	<=30	Pass
		Inner_Full	18.40	19.90	22.22	18.60	20.20	22.48	<=30	Pass
		Inner_1RB_Left	18.08	19.85	22.07	18.28	20.15	22.33	<=30	Pass
CP-OFDM 256 QAM	3460.02	Inner_1RB_Right	18.56	20.04	22.37	18.76	20.34	22.63	<=30	Pass
		Edge_1RB_Left	18.52	19.74	22.18	18.72	20.04	22.44	<=30	Pass
		Edge_1RB_Right	17.46	19.79	21.79	17.66	20.09	22.05	<=30	Pass
		Outer_Full	17.92	19.78	21.96	18.12	20.08	22.22	<=30	Pass
		Inner_Full	17.79	19.70	21.86	17.99	20.00	22.12	<=30	Pass
	3500.01	Inner_1RB_Left	18.62	19.84	22.29	18.82	20.14	22.54	<=30	Pass
		Inner_1RB_Right	17.48	19.94	21.90	17.68	20.24	22.16	<=30	Pass
	3540	Edge_1RB_Left	15.62	16.71	19.21	15.82	17.01	19.47	<=30	Pass
		Edge_1RB_Right	15.08	16.78	19.03	15.28	17.08	19.28	<=30	Pass

		Outer_Full	15.60	16.58	19.13	15.80	16.88	19.38	<=30	Pass
		Inner_Full	15.80	16.43	19.14	16.00	16.73	19.39	<=30	Pass
		Inner_1RB_Left	15.59	16.79	19.24	15.79	17.09	19.50	<=30	Pass
		Inner_1RB_Right	15.19	16.87	19.12	15.39	17.17	19.38	<=30	Pass
	3500.01	Edge_1RB_Left	15.26	16.92	19.18	15.46	17.22	19.44	<=30	Pass
		Edge_1RB_Right	15.68	17.11	19.46	15.88	17.41	19.72	<=30	Pass
		Outer_Full	15.48	17.06	19.35	15.68	17.36	19.61	<=30	Pass
		Inner_Full	15.42	17.06	19.33	15.62	17.36	19.59	<=30	Pass
	3540	Inner_1RB_Left	15.20	16.91	19.15	15.40	17.21	19.41	<=30	Pass
		Inner_1RB_Right	15.57	17.13	19.43	15.77	17.43	19.69	<=30	Pass
		Edge_1RB_Left	15.53	17.08	19.39	15.73	17.38	19.64	<=30	Pass
		Edge_1RB_Right	14.28	17.00	18.86	14.48	17.30	19.13	<=30	Pass
		Outer_Full	14.95	16.98	19.09	15.15	17.28	19.35	<=30	Pass
		Inner_Full	14.94	16.78	18.97	15.14	17.08	19.23	<=30	Pass
		Inner_1RB_Left	15.41	17.10	19.35	15.61	17.40	19.61	<=30	Pass
		Inner_1RB_Right	14.31	17.06	18.91	14.51	17.36	19.18	<=30	Pass

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

1.2 30k_30MHz_NTNV_EIRP

1.2.1 Test Result

5G NR n77d SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant7	Ant3	Sum	Ant7	Ant3	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Edge_1RB_Left	22.69	21.26	/	22.99	21.46	/	<=30	Pass
		Edge_1RB_Right	21.75	20.55	/	22.05	20.75	/	<=30	Pass
		Outer_Full	25.27	24.37	/	25.57	24.57	/	<=30	Pass
		Inner_Full	25.82	24.93	/	26.12	25.13	/	<=30	Pass
		Inner_1RB_Left	26.13	24.73	/	26.43	24.93	/	<=30	Pass
		Inner_1RB_Right	25.25	24.07	/	25.55	24.27	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.88	20.50	/	22.18	20.70	/	<=30	Pass
		Edge_1RB_Right	21.74	21.09	/	22.04	21.29	/	<=30	Pass
		Outer_Full	24.80	23.92	/	25.1	24.12	/	<=30	Pass
		Inner_Full	25.23	24.36	/	25.53	24.56	/	<=30	Pass
		Inner_1RB_Left	25.35	23.98	/	25.65	24.18	/	<=30	Pass
		Inner_1RB_Right	25.22	24.56	/	25.52	24.76	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.00	21.35	/	22.3	21.55	/	<=30	Pass
		Edge_1RB_Right	21.94	20.70	/	22.24	20.90	/	<=30	Pass
		Outer_Full	24.87	24.42	/	25.17	24.62	/	<=30	Pass
		Inner_Full	25.33	25.00	/	25.63	25.20	/	<=30	Pass
		Inner_1RB_Left	25.56	24.83	/	25.86	25.03	/	<=30	Pass
		Inner_1RB_Right	25.44	24.30	/	25.74	24.50	/	<=30	Pass
DFT-s-OFDM QPSK	3465	Edge_1RB_Left	22.55	21.14	/	22.85	21.34	/	<=30	Pass
		Edge_1RB_Right	21.86	20.57	/	22.16	20.77	/	<=30	Pass
		Outer_Full	24.77	23.84	/	25.07	24.04	/	<=30	Pass
		Inner_Full	25.80	24.97	/	26.1	25.17	/	<=30	Pass
		Inner_1RB_Left	26.10	24.69	/	26.4	24.89	/	<=30	Pass
		Inner_1RB_Right	25.25	24.07	/	25.55	24.27	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.90	20.42	/	22.2	20.62	/	<=30	Pass
		Edge_1RB_Right	21.78	20.93	/	22.08	21.13	/	<=30	Pass
		Outer_Full	24.37	23.43	/	24.67	23.63	/	<=30	Pass
		Inner_Full	25.30	24.41	/	25.6	24.61	/	<=30	Pass
		Inner_1RB_Left	25.33	23.95	/	25.63	24.15	/	<=30	Pass
		Inner_1RB_Right	25.33	24.47	/	25.63	24.67	/	<=30	Pass

	3534.99	Edge_1RB_Left	21.96	21.34	/	22.26	21.54	/	<=30	Pass
		Edge_1RB_Right	21.90	20.78	/	22.2	20.98	/	<=30	Pass
		Outer_Full	24.37	23.98	/	24.67	24.18	/	<=30	Pass
		Inner_Full	25.30	25.10	/	25.6	25.30	/	<=30	Pass
		Inner_1RB_Left	25.50	24.80	/	25.8	25.00	/	<=30	Pass
		Inner_1RB_Right	25.41	24.28	/	25.71	24.48	/	<=30	Pass
DFT-s-OFDM 16 QAM	3465	Edge_1RB_Left	22.50	21.16	/	22.8	21.36	/	<=30	Pass
		Edge_1RB_Right	21.78	20.45	/	22.08	20.65	/	<=30	Pass
		Outer_Full	23.80	22.89	/	24.1	23.09	/	<=30	Pass
		Inner_Full	24.79	24.00	/	25.09	24.20	/	<=30	Pass
		Inner_1RB_Left	24.89	23.61	/	25.19	23.81	/	<=30	Pass
		Inner_1RB_Right	24.06	22.94	/	24.36	23.14	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.78	20.33	/	22.08	20.53	/	<=30	Pass
		Edge_1RB_Right	21.78	20.90	/	22.08	21.10	/	<=30	Pass
		Outer_Full	23.34	22.39	/	23.64	22.59	/	<=30	Pass
		Inner_Full	24.22	23.35	/	24.52	23.55	/	<=30	Pass
		Inner_1RB_Left	24.29	22.76	/	24.59	22.96	/	<=30	Pass
		Inner_1RB_Right	24.16	23.42	/	24.46	23.62	/	<=30	Pass
	3534.99	Edge_1RB_Left	21.99	21.20	/	22.29	21.40	/	<=30	Pass
		Edge_1RB_Right	21.85	20.75	/	22.15	20.95	/	<=30	Pass
		Outer_Full	23.42	23.02	/	23.72	23.22	/	<=30	Pass
		Inner_Full	24.35	24.06	/	24.65	24.26	/	<=30	Pass
		Inner_1RB_Left	24.38	23.72	/	24.68	23.92	/	<=30	Pass
		Inner_1RB_Right	24.28	23.18	/	24.58	23.38	/	<=30	Pass
DFT-s-OFDM 64 QAM	3465	Edge_1RB_Left	22.64	21.24	/	22.94	21.44	/	<=30	Pass
		Edge_1RB_Right	21.86	20.54	/	22.16	20.74	/	<=30	Pass
		Outer_Full	23.34	22.34	/	23.64	22.54	/	<=30	Pass
		Inner_Full	23.28	22.44	/	23.58	22.64	/	<=30	Pass
		Inner_1RB_Left	23.64	22.20	/	23.94	22.40	/	<=30	Pass
		Inner_1RB_Right	22.88	21.57	/	23.18	21.77	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.93	20.43	/	22.23	20.63	/	<=30	Pass
		Edge_1RB_Right	21.87	21.16	/	22.17	21.36	/	<=30	Pass
		Outer_Full	22.95	21.90	/	23.25	22.10	/	<=30	Pass
		Inner_Full	22.78	21.91	/	23.08	22.11	/	<=30	Pass
		Inner_1RB_Left	22.92	21.54	/	23.22	21.74	/	<=30	Pass
		Inner_1RB_Right	22.86	22.11	/	23.16	22.31	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.11	21.37	/	22.41	21.57	/	<=30	Pass
		Edge_1RB_Right	21.93	20.77	/	22.23	20.97	/	<=30	Pass
		Outer_Full	22.95	22.46	/	23.25	22.66	/	<=30	Pass
		Inner_Full	22.93	22.57	/	23.23	22.77	/	<=30	Pass
		Inner_1RB_Left	23.09	22.46	/	23.39	22.66	/	<=30	Pass
		Inner_1RB_Right	22.97	21.89	/	23.27	22.09	/	<=30	Pass
DFT-s-OFDM 256 QAM	3465	Edge_1RB_Left	21.61	20.17	/	21.91	20.37	/	<=30	Pass
		Edge_1RB_Right	20.80	19.50	/	21.1	19.70	/	<=30	Pass
		Outer_Full	21.27	20.43	/	21.57	20.63	/	<=30	Pass
		Inner_Full	21.16	20.47	/	21.46	20.67	/	<=30	Pass
		Inner_1RB_Left	21.48	20.21	/	21.78	20.41	/	<=30	Pass
		Inner_1RB_Right	20.74	19.57	/	21.04	19.77	/	<=30	Pass
	3500.01	Edge_1RB_Left	20.91	19.51	/	21.21	19.71	/	<=30	Pass
		Edge_1RB_Right	20.82	20.19	/	21.12	20.39	/	<=30	Pass
		Outer_Full	20.81	19.91	/	21.11	20.11	/	<=30	Pass
		Inner_Full	20.63	19.84	/	20.93	20.04	/	<=30	Pass
		Inner_1RB_Left	20.83	19.47	/	21.13	19.67	/	<=30	Pass
		Inner_1RB_Right	20.82	20.06	/	21.12	20.26	/	<=30	Pass
	3534.99	Edge_1RB_Left	20.92	20.32	/	21.22	20.52	/	<=30	Pass
		Edge_1RB_Right	20.94	19.77	/	21.24	19.97	/	<=30	Pass
		Outer_Full	20.89	20.31	/	21.19	20.51	/	<=30	Pass
		Inner_Full	20.83	20.48	/	21.13	20.68	/	<=30	Pass
		Inner_1RB_Left	21.09	20.36	/	21.39	20.56	/	<=30	Pass

		Inner 1RB Right	20.89	19.80	/	21.19	20.00	/	<=30	Pass
CP-OFDM QPSK	3465	Edge 1RB Left	22.64	21.26	/	22.94	21.46	/	<=30	Pass
		Edge 1RB Right	21.95	20.70	/	22.25	20.90	/	<=30	Pass
		Outer Full	22.82	21.85	/	23.12	22.05	/	<=30	Pass
		Inner Full	24.34	23.44	/	24.64	23.64	/	<=30	Pass
		Inner 1RB Left	24.61	23.24	/	24.91	23.44	/	<=30	Pass
		Inner 1RB Right	23.84	22.58	/	24.14	22.78	/	<=30	Pass
	3500.01	Edge 1RB Left	21.94	20.56	/	22.24	20.76	/	<=30	Pass
		Edge 1RB Right	21.90	21.17	/	22.2	21.37	/	<=30	Pass
		Outer Full	22.31	21.38	/	22.61	21.58	/	<=30	Pass
		Inner Full	23.75	22.92	/	24.05	23.12	/	<=30	Pass
		Inner 1RB Left	23.87	22.58	/	24.17	22.78	/	<=30	Pass
		Inner 1RB Right	23.95	23.19	/	24.25	23.39	/	<=30	Pass
	3534.99	Edge 1RB Left	22.07	21.37	/	22.37	21.57	/	<=30	Pass
		Edge 1RB Right	21.99	20.80	/	22.29	21.00	/	<=30	Pass
		Outer Full	22.41	21.93	/	22.71	22.13	/	<=30	Pass
		Inner Full	23.88	23.59	/	24.18	23.79	/	<=30	Pass
		Inner 1RB Left	23.99	23.41	/	24.29	23.61	/	<=30	Pass
		Inner 1RB Right	23.83	22.78	/	24.13	22.98	/	<=30	Pass
CP-OFDM 16 QAM	3465	Edge 1RB Left	22.55	21.14	/	22.85	21.34	/	<=30	Pass
		Edge 1RB Right	21.80	20.52	/	22.1	20.72	/	<=30	Pass
		Outer Full	22.77	21.85	/	23.07	22.05	/	<=30	Pass
		Inner Full	23.66	22.98	/	23.96	23.18	/	<=30	Pass
		Inner 1RB Left	23.93	22.56	/	24.23	22.76	/	<=30	Pass
		Inner 1RB Right	23.02	22.03	/	23.32	22.23	/	<=30	Pass
	3500.01	Edge 1RB Left	21.75	20.52	/	22.05	20.72	/	<=30	Pass
		Edge 1RB Right	21.71	20.94	/	22.01	21.14	/	<=30	Pass
		Outer Full	22.34	21.41	/	22.64	21.61	/	<=30	Pass
		Inner Full	23.27	22.43	/	23.57	22.63	/	<=30	Pass
		Inner 1RB Left	23.32	21.76	/	23.62	21.96	/	<=30	Pass
		Inner 1RB Right	23.12	22.32	/	23.42	22.52	/	<=30	Pass
	3534.99	Edge 1RB Left	21.94	21.21	/	22.24	21.41	/	<=30	Pass
		Edge 1RB Right	21.89	20.70	/	22.19	20.90	/	<=30	Pass
		Outer Full	22.57	21.92	/	22.87	22.12	/	<=30	Pass
		Inner Full	23.34	23.03	/	23.64	23.23	/	<=30	Pass
		Inner 1RB Left	23.42	22.71	/	23.72	22.91	/	<=30	Pass
		Inner 1RB Right	23.21	22.29	/	23.51	22.49	/	<=30	Pass
CP-OFDM 64 QAM	3465	Edge 1RB Left	22.74	21.33	/	23.04	21.53	/	<=30	Pass
		Edge 1RB Right	21.83	20.60	/	22.13	20.80	/	<=30	Pass
		Outer Full	22.24	21.42	/	22.54	21.62	/	<=30	Pass
		Inner Full	22.23	21.46	/	22.53	21.66	/	<=30	Pass
		Inner 1RB Left	22.67	21.30	/	22.97	21.50	/	<=30	Pass
		Inner 1RB Right	21.72	20.59	/	22.02	20.79	/	<=30	Pass
	3500.01	Edge 1RB Left	21.83	20.54	/	22.13	20.74	/	<=30	Pass
		Edge 1RB Right	21.95	21.25	/	22.25	21.45	/	<=30	Pass
		Outer Full	21.77	20.84	/	22.07	21.04	/	<=30	Pass
		Inner Full	21.79	20.95	/	22.09	21.15	/	<=30	Pass
		Inner 1RB Left	21.88	20.45	/	22.18	20.65	/	<=30	Pass
		Inner 1RB Right	21.92	21.07	/	22.22	21.27	/	<=30	Pass
	3534.99	Edge 1RB Left	22.05	21.40	/	22.35	21.60	/	<=30	Pass
		Edge 1RB Right	22.04	20.93	/	22.34	21.13	/	<=30	Pass
		Outer Full	21.90	21.46	/	22.2	21.66	/	<=30	Pass
		Inner Full	21.82	21.54	/	22.12	21.74	/	<=30	Pass
		Inner 1RB Left	22.10	21.35	/	22.4	21.55	/	<=30	Pass
		Inner 1RB Right	21.95	20.79	/	22.25	20.99	/	<=30	Pass
CP-OFDM 256 QAM	3465	Edge 1RB Left	19.72	18.20	/	20.02	18.40	/	<=30	Pass
		Edge 1RB Right	18.77	17.51	/	19.07	17.71	/	<=30	Pass
		Outer Full	19.33	18.29	/	19.63	18.49	/	<=30	Pass
		Inner Full	19.25	18.51	/	19.55	18.71	/	<=30	Pass

		Inner_1RB_Left	19.56	18.20	/	19.86	18.40	/	<=30	Pass
		Inner_1RB_Right	18.68	17.53	/	18.98	17.73	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.87	17.47	/	19.17	17.67	/	<=30	Pass
		Edge_1RB_Right	18.79	18.11	/	19.09	18.31	/	<=30	Pass
		Outer_Full	18.77	17.87	/	19.07	18.07	/	<=30	Pass
		Inner_Full	18.72	17.86	/	19.02	18.06	/	<=30	Pass
		Inner_1RB_Left	18.91	17.52	/	19.21	17.72	/	<=30	Pass
		Inner_1RB_Right	18.89	18.18	/	19.19	18.38	/	<=30	Pass
	3534.99	Edge_1RB_Left	18.98	18.31	/	19.28	18.51	/	<=30	Pass
		Edge_1RB_Right	19.00	17.69	/	19.3	17.89	/	<=30	Pass
		Outer_Full	18.85	18.36	/	19.15	18.56	/	<=30	Pass
		Inner_Full	18.78	18.54	/	19.08	18.74	/	<=30	Pass
		Inner_1RB_Left	19.03	18.38	/	19.33	18.58	/	<=30	Pass
		Inner_1RB_Right	18.96	17.74	/	19.26	17.94	/	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77d 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	3465	Edge 1RB Left	18.55	19.59	22.11	18.75	19.89	22.37	<=30	Pass
		Edge 1RB Right	17.65	19.79	21.86	17.85	20.09	22.12	<=30	Pass
		Outer Full	18.80	19.96	22.43	19.00	20.26	22.69	<=30	Pass
		Inner Full	20.38	21.36	23.91	20.58	21.66	24.16	<=30	Pass
		Inner 1RB Left	20.73	21.44	24.11	20.93	21.74	24.36	<=30	Pass
		Inner 1RB Right	19.62	21.97	23.96	19.82	22.27	24.23	<=30	Pass
	3500.01	Edge 1RB Left	17.96	20.13	22.19	18.16	20.43	22.45	<=30	Pass
		Edge 1RB Right	18.64	20.19	22.50	18.84	20.49	22.75	<=30	Pass
		Outer Full	18.93	20.54	22.82	19.13	20.84	23.08	<=30	Pass
		Inner Full	20.46	22.05	24.34	20.66	22.35	24.60	<=30	Pass
		Inner 1RB Left	19.91	22.15	24.19	20.11	22.45	24.45	<=30	Pass
		Inner 1RB Right	20.55	22.32	24.54	20.75	22.62	24.80	<=30	Pass
	3534.99	Edge 1RB Left	18.85	20.48	22.75	19.05	20.78	23.01	<=30	Pass
		Edge 1RB Right	17.64	20.15	22.08	17.84	20.45	22.35	<=30	Pass
		Outer Full	18.75	20.47	22.70	18.95	20.77	22.96	<=30	Pass
		Inner Full	20.25	21.95	24.19	20.45	22.25	24.45	<=30	Pass
		Inner 1RB Left	20.83	22.37	24.68	21.03	22.67	24.94	<=30	Pass
		Inner 1RB Right	19.47	22.22	24.07	19.67	22.52	24.34	<=30	Pass
CP-OFDM 16 QAM	3465	Edge 1RB Left	18.58	19.47	22.06	18.78	19.77	22.31	<=30	Pass
		Edge 1RB Right	17.54	19.87	21.87	17.74	20.17	22.13	<=30	Pass
		Outer Full	18.81	20.00	22.46	19.01	20.30	22.71	<=30	Pass
		Inner Full	19.90	20.88	23.43	20.10	21.18	23.68	<=30	Pass
		Inner 1RB Left	20.21	20.95	23.60	20.41	21.25	23.86	<=30	Pass
		Inner 1RB Right	19.16	21.26	23.34	19.36	21.56	23.61	<=30	Pass
	3500.01	Edge 1RB Left	18.05	20.23	22.29	18.25	20.53	22.55	<=30	Pass
		Edge 1RB Right	18.48	20.26	22.47	18.68	20.56	22.73	<=30	Pass
		Outer Full	18.95	20.58	22.85	19.15	20.88	23.11	<=30	Pass
		Inner Full	20.02	21.50	23.83	20.22	21.80	24.09	<=30	Pass
		Inner 1RB Left	19.60	21.64	23.75	19.80	21.94	24.01	<=30	Pass
		Inner 1RB Right	20.10	21.78	24.03	20.30	22.08	24.29	<=30	Pass
	3534.99	Edge 1RB Left	18.75	20.39	22.65	18.95	20.69	22.92	<=30	Pass
		Edge 1RB Right	17.52	19.96	21.92	17.72	20.26	22.18	<=30	Pass
		Outer Full	18.75	20.51	22.73	18.95	20.81	22.99	<=30	Pass
		Inner Full	19.82	21.28	23.62	20.02	21.58	23.88	<=30	Pass
		Inner 1RB Left	20.28	21.68	24.05	20.48	21.98	24.30	<=30	Pass
		Inner 1RB Right	19.00	21.33	23.33	19.20	21.63	23.59	<=30	Pass
CP-OFDM 64 QAM	3465	Edge 1RB Left	18.40	19.53	22.01	18.60	19.83	22.27	<=30	Pass
		Edge 1RB Right	17.36	19.99	21.88	17.56	20.29	22.15	<=30	Pass

		Outer_Full	18.24	19.53	21.94	18.44	19.83	22.20	<=30	Pass
		Inner_Full	18.31	19.35	21.87	18.51	19.65	22.13	<=30	Pass
		Inner_1RB_Left	18.61	19.66	22.18	18.81	19.96	22.43	<=30	Pass
		Inner_1RB_Right	17.56	19.99	21.95	17.76	20.29	22.22	<=30	Pass
	3500.01	Edge_1RB_Left	17.65	20.20	22.12	17.85	20.50	22.38	<=30	Pass
		Edge_1RB_Right	18.46	20.23	22.45	18.66	20.53	22.71	<=30	Pass
		Outer_Full	18.43	20.16	22.40	18.63	20.46	22.65	<=30	Pass
		Inner_Full	18.41	19.93	22.25	18.61	20.23	22.51	<=30	Pass
	3534.99	Inner_1RB_Left	17.74	20.27	22.20	17.94	20.57	22.46	<=30	Pass
		Inner_1RB_Right	18.43	20.25	22.44	18.63	20.55	22.71	<=30	Pass
		Edge_1RB_Left	18.61	20.22	22.50	18.81	20.52	22.76	<=30	Pass
		Edge_1RB_Right	17.23	19.98	21.83	17.43	20.28	22.10	<=30	Pass
		Outer_Full	18.21	20.02	22.22	18.41	20.32	22.48	<=30	Pass
		Inner_Full	18.28	19.78	22.11	18.48	20.08	22.36	<=30	Pass
		Inner_1RB_Left	18.67	20.25	22.54	18.87	20.55	22.80	<=30	Pass
		Inner_1RB_Right	17.21	19.98	21.82	17.41	20.28	22.09	<=30	Pass
CP-OFDM 256 QAM	3465	Edge_1RB_Left	15.52	16.68	19.15	15.72	16.98	19.41	<=30	Pass
		Edge_1RB_Right	14.45	17.02	18.93	14.65	17.32	19.20	<=30	Pass
		Outer_Full	15.34	16.66	19.06	15.54	16.96	19.32	<=30	Pass
		Inner_Full	15.36	16.48	18.96	15.56	16.78	19.22	<=30	Pass
		Inner_1RB_Left	15.58	16.67	19.17	15.78	16.97	19.43	<=30	Pass
		Inner_1RB_Right	14.46	17.05	18.95	14.66	17.35	19.22	<=30	Pass
	3500.01	Edge_1RB_Left	14.85	17.30	19.25	15.05	17.60	19.52	<=30	Pass
		Edge_1RB_Right	15.40	17.36	19.50	15.60	17.66	19.76	<=30	Pass
		Outer_Full	15.44	17.11	19.36	15.64	17.41	19.62	<=30	Pass
		Inner_Full	15.45	17.09	19.36	15.65	17.39	19.62	<=30	Pass
		Inner_1RB_Left	14.71	17.29	19.20	14.91	17.59	19.46	<=30	Pass
		Inner_1RB_Right	15.44	17.36	19.52	15.64	17.66	19.78	<=30	Pass
	3534.99	Edge_1RB_Left	15.66	17.53	19.70	15.86	17.83	19.97	<=30	Pass
		Edge_1RB_Right	14.36	17.08	18.94	14.56	17.38	19.21	<=30	Pass
		Outer_Full	15.21	17.11	19.27	15.41	17.41	19.53	<=30	Pass
		Inner_Full	15.24	16.97	19.20	15.44	17.27	19.46	<=30	Pass
		Inner_1RB_Left	15.64	17.46	19.65	15.84	17.76	19.92	<=30	Pass
		Inner_1RB_Right	14.36	17.13	18.97	14.56	17.43	19.24	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.3 30k_40MHz_NTNV_EIRP

1.3.1 Test Result

5G NR n77d SCS=30kHz SISO 40MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant7	Ant3	Sum	Ant7	Ant3	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Edge_1RB_Left	22.74	21.26	/	23.04	21.46	/	<=30	Pass
		Edge_1RB_Right	21.67	20.54	/	21.97	20.74	/	<=30	Pass
		Outer_Full	25.10	24.20	/	25.4	24.40	/	<=30	Pass
		Inner_Full	25.60	24.72	/	25.9	24.92	/	<=30	Pass
		Inner_1RB_Left	26.20	24.78	/	26.5	24.98	/	<=30	Pass
		Inner_1RB_Right	25.24	23.96	/	25.54	24.16	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.84	20.57	/	22.14	20.77	/	<=30	Pass
		Edge_1RB_Right	21.81	21.22	/	22.11	21.42	/	<=30	Pass
		Outer_Full	24.80	23.87	/	25.1	24.07	/	<=30	Pass
		Inner_Full	25.23	24.32	/	25.53	24.52	/	<=30	Pass

		Inner_1RB_Left	25.45	24.03	/	25.75	24.23	/	<=30	Pass
		Inner_1RB_Right	25.33	24.76	/	25.63	24.96	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.02	21.16	/	22.32	21.36	/	<=30	Pass
		Edge_1RB_Right	22.06	20.75	/	22.36	20.95	/	<=30	Pass
		Outer_Full	24.88	24.39	/	25.18	24.59	/	<=30	Pass
		Inner_Full	25.40	25.04	/	25.7	25.24	/	<=30	Pass
		Inner_1RB_Left	25.45	24.65	/	25.75	24.85	/	<=30	Pass
		Inner_1RB_Right	25.44	24.24	/	25.74	24.44	/	<=30	Pass
DFT-s-OFDM QPSK	3470.01	Edge_1RB_Left	22.65	21.33	/	22.95	21.53	/	<=30	Pass
		Edge_1RB_Right	21.73	20.45	/	22.03	20.65	/	<=30	Pass
		Outer_Full	24.72	23.63	/	25.02	23.83	/	<=30	Pass
		Inner_Full	25.61	24.81	/	25.91	25.01	/	<=30	Pass
		Inner_1RB_Left	26.22	24.75	/	26.52	24.95	/	<=30	Pass
		Inner_1RB_Right	25.25	23.93	/	25.55	24.13	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.95	20.50	/	22.25	20.70	/	<=30	Pass
		Edge_1RB_Right	21.78	21.26	/	22.08	21.46	/	<=30	Pass
		Outer_Full	24.33	23.37	/	24.63	23.57	/	<=30	Pass
		Inner_Full	25.22	24.23	/	25.52	24.43	/	<=30	Pass
		Inner_1RB_Left	25.39	24.04	/	25.69	24.24	/	<=30	Pass
		Inner_1RB_Right	25.27	24.66	/	25.57	24.86	/	<=30	Pass
	3529.98	Edge_1RB_Left	21.96	21.08	/	22.26	21.28	/	<=30	Pass
		Edge_1RB_Right	22.00	20.58	/	22.3	20.78	/	<=30	Pass
		Outer_Full	24.31	23.87	/	24.61	24.07	/	<=30	Pass
		Inner_Full	25.22	24.98	/	25.52	25.18	/	<=30	Pass
		Inner_1RB_Left	25.45	24.61	/	25.75	24.81	/	<=30	Pass
		Inner_1RB_Right	25.44	24.22	/	25.74	24.42	/	<=30	Pass
DFT-s-OFDM 16 QAM	3470.01	Edge_1RB_Left	22.53	21.22	/	22.83	21.42	/	<=30	Pass
		Edge_1RB_Right	21.54	20.43	/	21.84	20.63	/	<=30	Pass
		Outer_Full	23.71	22.64	/	24.01	22.84	/	<=30	Pass
		Inner_Full	24.59	23.79	/	24.89	23.99	/	<=30	Pass
		Inner_1RB_Left	25.09	23.74	/	25.39	23.94	/	<=30	Pass
		Inner_1RB_Right	24.04	22.81	/	24.34	23.01	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.78	20.34	/	22.08	20.54	/	<=30	Pass
		Edge_1RB_Right	21.56	20.92	/	21.86	21.12	/	<=30	Pass
		Outer_Full	23.40	22.37	/	23.7	22.57	/	<=30	Pass
		Inner_Full	24.25	23.35	/	24.55	23.55	/	<=30	Pass
		Inner_1RB_Left	24.20	22.83	/	24.5	23.03	/	<=30	Pass
		Inner_1RB_Right	24.14	23.58	/	24.44	23.78	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.05	21.08	/	22.35	21.28	/	<=30	Pass
		Edge_1RB_Right	21.92	20.55	/	22.22	20.75	/	<=30	Pass
		Outer_Full	23.33	22.84	/	23.63	23.04	/	<=30	Pass
		Inner_Full	24.35	23.99	/	24.65	24.19	/	<=30	Pass
		Inner_1RB_Left	24.43	23.51	/	24.73	23.71	/	<=30	Pass
		Inner_1RB_Right	24.35	23.07	/	24.65	23.27	/	<=30	Pass
DFT-s-OFDM 64 QAM	3470.01	Edge_1RB_Left	22.67	21.36	/	22.97	21.56	/	<=30	Pass
		Edge_1RB_Right	21.72	20.59	/	22.02	20.79	/	<=30	Pass
		Outer_Full	23.23	22.23	/	23.53	22.43	/	<=30	Pass
		Inner_Full	23.09	22.26	/	23.39	22.46	/	<=30	Pass
		Inner_1RB_Left	23.66	22.35	/	23.96	22.55	/	<=30	Pass
		Inner_1RB_Right	22.68	21.57	/	22.98	21.77	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.93	20.52	/	22.23	20.72	/	<=30	Pass
		Edge_1RB_Right	21.84	21.20	/	22.14	21.40	/	<=30	Pass
		Outer_Full	22.95	21.94	/	23.25	22.14	/	<=30	Pass
		Inner_Full	22.76	21.83	/	23.06	22.03	/	<=30	Pass
		Inner_1RB_Left	22.82	21.64	/	23.12	21.84	/	<=30	Pass
		Inner_1RB_Right	22.85	22.14	/	23.15	22.34	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.07	21.32	/	22.37	21.52	/	<=30	Pass
		Edge_1RB_Right	22.00	20.91	/	22.3	21.11	/	<=30	Pass
		Outer_Full	22.94	22.41	/	23.24	22.61	/	<=30	Pass

		Inner_Full	22.79	22.56	/	23.09	22.76	/	<=30	Pass
		Inner_1RB_Left	23.00	22.17	/	23.3	22.37	/	<=30	Pass
		Inner_1RB_Right	22.99	21.83	/	23.29	22.03	/	<=30	Pass
DFT-s-OFDM 256 QAM	3470.01	Edge_1RB_Left	21.71	20.29	/	22.01	20.49	/	<=30	Pass
		Edge_1RB_Right	20.71	19.52	/	21.01	19.72	/	<=30	Pass
		Outer_Full	21.20	20.20	/	21.5	20.40	/	<=30	Pass
		Inner_Full	21.09	20.26	/	21.39	20.46	/	<=30	Pass
		Inner_1RB_Left	21.67	20.33	/	21.97	20.53	/	<=30	Pass
		Inner_1RB_Right	20.78	19.50	/	21.08	19.70	/	<=30	Pass
		Edge_1RB_Left	20.92	19.60	/	21.22	19.80	/	<=30	Pass
	3500.01	Edge_1RB_Right	20.76	20.26	/	21.06	20.46	/	<=30	Pass
		Outer_Full	20.87	19.83	/	21.17	20.03	/	<=30	Pass
		Inner_Full	20.69	19.83	/	20.99	20.03	/	<=30	Pass
		Inner_1RB_Left	20.94	19.55	/	21.24	19.75	/	<=30	Pass
		Inner_1RB_Right	20.82	20.17	/	21.12	20.37	/	<=30	Pass
	3529.98	Edge_1RB_Left	20.89	20.13	/	21.19	20.33	/	<=30	Pass
		Edge_1RB_Right	20.97	19.69	/	21.27	19.89	/	<=30	Pass
		Outer_Full	20.83	20.44	/	21.13	20.64	/	<=30	Pass
		Inner_Full	20.78	20.51	/	21.08	20.71	/	<=30	Pass
		Inner_1RB_Left	20.98	20.09	/	21.28	20.29	/	<=30	Pass
		Inner_1RB_Right	20.78	19.70	/	21.08	19.90	/	<=30	Pass
		Edge_1RB_Left	22.76	21.38	/	23.06	21.58	/	<=30	Pass
CP-OFDM QPSK	3470.01	Edge_1RB_Right	21.72	20.61	/	22.02	20.81	/	<=30	Pass
		Outer_Full	22.61	21.58	/	22.91	21.78	/	<=30	Pass
		Inner_Full	24.12	23.30	/	24.42	23.50	/	<=30	Pass
		Inner_1RB_Left	24.73	23.32	/	25.03	23.52	/	<=30	Pass
		Inner_1RB_Right	23.73	22.58	/	24.03	22.78	/	<=30	Pass
		Edge_1RB_Left	22.00	20.63	/	22.3	20.83	/	<=30	Pass
	3500.01	Edge_1RB_Right	21.85	21.23	/	22.15	21.43	/	<=30	Pass
		Outer_Full	22.32	21.42	/	22.62	21.62	/	<=30	Pass
		Inner_Full	23.83	23.00	/	24.13	23.20	/	<=30	Pass
		Inner_1RB_Left	24.04	22.67	/	24.34	22.87	/	<=30	Pass
		Inner_1RB_Right	23.80	23.28	/	24.1	23.48	/	<=30	Pass
	3529.98	Edge_1RB_Left	21.99	21.23	/	22.29	21.43	/	<=30	Pass
		Edge_1RB_Right	22.02	20.85	/	22.32	21.05	/	<=30	Pass
		Outer_Full	22.43	21.85	/	22.73	22.05	/	<=30	Pass
		Inner_Full	23.82	23.50	/	24.12	23.70	/	<=30	Pass
		Inner_1RB_Left	24.03	23.22	/	24.33	23.42	/	<=30	Pass
		Inner_1RB_Right	23.93	22.79	/	24.23	22.99	/	<=30	Pass
CP-OFDM 16 QAM	3470.01	Edge_1RB_Left	22.49	21.18	/	22.79	21.38	/	<=30	Pass
		Edge_1RB_Right	21.57	20.36	/	21.87	20.56	/	<=30	Pass
		Outer_Full	22.66	21.55	/	22.96	21.75	/	<=30	Pass
		Inner_Full	23.63	22.76	/	23.93	22.96	/	<=30	Pass
		Inner_1RB_Left	23.92	22.63	/	24.22	22.83	/	<=30	Pass
		Inner_1RB_Right	22.90	21.77	/	23.2	21.97	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.87	20.42	/	22.17	20.62	/	<=30	Pass
		Edge_1RB_Right	21.63	21.01	/	21.93	21.21	/	<=30	Pass
		Outer_Full	22.30	21.40	/	22.6	21.60	/	<=30	Pass
		Inner_Full	23.41	22.38	/	23.71	22.58	/	<=30	Pass
		Inner_1RB_Left	23.43	21.93	/	23.73	22.13	/	<=30	Pass
	3529.98	Inner_1RB_Right	23.09	22.61	/	23.39	22.81	/	<=30	Pass
		Edge_1RB_Left	21.82	21.07	/	22.12	21.27	/	<=30	Pass
		Edge_1RB_Right	21.86	20.67	/	22.16	20.87	/	<=30	Pass
		Outer_Full	22.30	21.81	/	22.6	22.01	/	<=30	Pass
		Inner_Full	23.31	23.07	/	23.61	23.27	/	<=30	Pass
		Inner_1RB_Left	23.33	22.56	/	23.63	22.76	/	<=30	Pass
CP-OFDM 64 QAM	3470.01	Inner_1RB_Right	23.30	22.25	/	23.6	22.45	/	<=30	Pass
		Edge_1RB_Left	22.62	21.36	/	22.92	21.56	/	<=30	Pass
		Edge_1RB_Right	21.70	20.50	/	22	20.70	/	<=30	Pass

		Outer_Full	22.18	21.13	/	22.48	21.33	/	<=30	Pass	
		Inner_Full	22.05	21.19	/	22.35	21.39	/	<=30	Pass	
		Inner_1RB_Left	22.67	21.36	/	22.97	21.56	/	<=30	Pass	
		Inner_1RB_Right	21.66	20.50	/	21.96	20.70	/	<=30	Pass	
	3500.01	Edge_1RB_Left	21.96	20.51	/	22.26	20.71	/	<=30	Pass	
		Edge_1RB_Right	21.86	21.15	/	22.16	21.35	/	<=30	Pass	
		Outer_Full	21.83	20.91	/	22.13	21.11	/	<=30	Pass	
		Inner_Full	21.79	20.91	/	22.09	21.11	/	<=30	Pass	
		Inner_1RB_Left	21.93	20.54	/	22.23	20.74	/	<=30	Pass	
		Inner_1RB_Right	21.86	21.20	/	22.16	21.40	/	<=30	Pass	
		3529.98	Edge_1RB_Left	21.98	21.21	/	22.28	21.41	/	<=30	Pass
			Edge_1RB_Right	22.14	20.72	/	22.44	20.92	/	<=30	Pass
	Outer_Full		21.87	21.43	/	22.17	21.63	/	<=30	Pass	
	Inner_Full		21.93	21.50	/	22.23	21.70	/	<=30	Pass	
	Inner_1RB_Left		22.11	21.20	/	22.41	21.40	/	<=30	Pass	
	Inner_1RB_Right		22.15	20.82	/	22.45	21.02	/	<=30	Pass	
CP-OFDM 256 QAM	3470.01	Edge_1RB_Left	17.90	18.20	/	18.2	18.40	/	<=30	Pass	
		Edge_1RB_Right	18.74	17.59	/	19.04	17.79	/	<=30	Pass	
		Outer_Full	19.10	18.18	/	19.4	18.38	/	<=30	Pass	
		Inner_Full	19.13	18.23	/	19.43	18.43	/	<=30	Pass	
		Inner_1RB_Left	19.63	18.32	/	19.93	18.52	/	<=30	Pass	
		Inner_1RB_Right	18.77	17.56	/	19.07	17.76	/	<=30	Pass	
	3500.01	Edge_1RB_Left	18.87	17.54	/	19.17	17.74	/	<=30	Pass	
		Edge_1RB_Right	18.80	18.27	/	19.1	18.47	/	<=30	Pass	
		Outer_Full	18.73	17.85	/	19.03	18.05	/	<=30	Pass	
		Inner_Full	18.89	17.90	/	19.19	18.10	/	<=30	Pass	
		Inner_1RB_Left	18.83	17.60	/	19.13	17.80	/	<=30	Pass	
		Inner_1RB_Right	18.90	18.19	/	19.2	18.39	/	<=30	Pass	
	3529.98	Edge_1RB_Left	19.05	18.23	/	19.35	18.43	/	<=30	Pass	
		Edge_1RB_Right	18.97	17.71	/	19.27	17.91	/	<=30	Pass	
		Outer_Full	18.97	18.39	/	19.27	18.59	/	<=30	Pass	
		Inner_Full	18.77	18.58	/	19.07	18.78	/	<=30	Pass	
		Inner_1RB_Left	19.15	18.24	/	19.45	18.44	/	<=30	Pass	
		Inner_1RB_Right	18.85	17.81	/	19.15	18.01	/	<=30	Pass	
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain											

5G NR n77d SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum		
CP-OFDM QPSK	3470.01	Edge_1RB_Left	18.79	19.69	22.28	18.99	19.99	22.53	<=30	Pass
		Edge_1RB_Right	18.11	20.11	22.23	18.31	20.41	22.50	<=30	Pass
		Outer_Full	18.75	20.29	22.60	18.95	20.59	22.86	<=30	Pass
		Inner_Full	20.11	21.74	24.01	20.31	22.04	24.27	<=30	Pass
		Inner_1RB_Left	20.67	21.64	24.19	20.87	21.94	24.45	<=30	Pass
		Inner_1RB_Right	19.99	22.07	24.17	20.19	22.37	24.43	<=30	Pass
	3500.01	Edge_1RB_Left	17.71	20.24	22.17	17.91	20.54	22.43	<=30	Pass
		Edge_1RB_Right	18.64	20.34	22.58	18.84	20.64	22.84	<=30	Pass
		Outer_Full	18.82	20.61	22.82	19.02	20.91	23.08	<=30	Pass
		Inner_Full	20.42	21.98	24.28	20.62	22.28	24.54	<=30	Pass
		Inner_1RB_Left	19.69	22.11	24.07	19.89	22.41	24.34	<=30	Pass
		Inner_1RB_Right	20.68	22.46	24.67	20.88	22.76	24.93	<=30	Pass
	3529.98	Edge_1RB_Left	18.64	20.40	22.62	18.84	20.70	22.88	<=30	Pass
		Edge_1RB_Right	17.46	19.99	21.92	17.66	20.29	22.18	<=30	Pass
		Outer_Full	18.79	20.45	22.71	18.99	20.75	22.97	<=30	Pass
		Inner_Full	20.50	21.89	24.26	20.70	22.19	24.52	<=30	Pass
		Inner_1RB_Left	20.58	22.06	24.39	20.78	22.36	24.65	<=30	Pass
		Inner_1RB_Right	19.45	21.86	23.83	19.65	22.16	24.09	<=30	Pass

CP-OFDM 16 QAM	3470.01	Edge_1RB_Left	18.75	19.79	22.31	18.95	20.09	22.57	<=30	Pass
		Edge_1RB_Right	18.00	20.28	22.30	18.20	20.58	22.56	<=30	Pass
		Outer_Full	18.66	20.26	22.54	18.86	20.56	22.80	<=30	Pass
		Inner_Full	19.65	21.25	23.53	19.85	21.55	23.79	<=30	Pass
		Inner_1RB_Left	20.18	21.20	23.73	20.38	21.50	23.99	<=30	Pass
		Inner_1RB_Right	19.45	21.57	23.65	19.65	21.87	23.91	<=30	Pass
	3500.01	Edge_1RB_Left	17.91	20.04	22.12	18.11	20.34	22.38	<=30	Pass
		Edge_1RB_Right	18.67	20.32	22.58	18.87	20.62	22.84	<=30	Pass
		Outer_Full	18.81	20.63	22.83	19.01	20.93	23.09	<=30	Pass
		Inner_Full	19.91	21.57	23.83	20.11	21.87	24.09	<=30	Pass
		Inner_1RB_Left	19.31	21.66	23.65	19.51	21.96	23.92	<=30	Pass
		Inner_1RB_Right	20.28	21.79	24.11	20.48	22.09	24.37	<=30	Pass
	3529.98	Edge_1RB_Left	18.60	20.36	22.58	18.80	20.66	22.84	<=30	Pass
		Edge_1RB_Right	17.34	20.02	21.89	17.54	20.32	22.16	<=30	Pass
		Outer_Full	18.80	20.50	22.74	19.00	20.80	23.00	<=30	Pass
		Inner_Full	19.99	21.36	23.74	20.19	21.66	24.00	<=30	Pass
		Inner_1RB_Left	20.07	21.72	23.98	20.27	22.02	24.24	<=30	Pass
		Inner_1RB_Right	18.86	21.55	23.42	19.06	21.85	23.69	<=30	Pass
CP-OFDM 64 QAM	3470.01	Edge_1RB_Left	18.75	19.59	22.20	18.95	19.89	22.46	<=30	Pass
		Edge_1RB_Right	18.03	20.02	22.15	18.23	20.32	22.41	<=30	Pass
		Outer_Full	18.16	19.81	22.07	18.36	20.11	22.33	<=30	Pass
		Inner_Full	18.13	19.68	21.99	18.33	19.98	22.24	<=30	Pass
		Inner_1RB_Left	18.74	19.58	22.19	18.94	19.88	22.45	<=30	Pass
		Inner_1RB_Right	18.07	19.97	22.13	18.27	20.27	22.39	<=30	Pass
	3500.01	Edge_1RB_Left	17.60	20.19	22.09	17.80	20.49	22.36	<=30	Pass
		Edge_1RB_Right	18.72	20.43	22.67	18.92	20.73	22.93	<=30	Pass
		Outer_Full	18.31	20.09	22.30	18.51	20.39	22.56	<=30	Pass
		Inner_Full	18.36	20.00	22.27	18.56	20.30	22.53	<=30	Pass
		Inner_1RB_Left	17.55	20.20	22.08	17.75	20.50	22.35	<=30	Pass
		Inner_1RB_Right	18.70	20.42	22.65	18.90	20.72	22.91	<=30	Pass
	3529.98	Edge_1RB_Left	18.53	20.06	22.37	18.73	20.36	22.63	<=30	Pass
		Edge_1RB_Right	17.41	19.92	21.85	17.61	20.22	22.12	<=30	Pass
		Outer_Full	18.27	19.92	22.19	18.47	20.22	22.44	<=30	Pass
		Inner_Full	18.45	19.90	22.24	18.65	20.20	22.50	<=30	Pass
		Inner_1RB_Left	18.69	20.16	22.49	18.89	20.46	22.76	<=30	Pass
		Inner_1RB_Right	17.49	19.96	21.91	17.69	20.26	22.17	<=30	Pass
CP-OFDM 256 QAM	3470.01	Edge_1RB_Left	16.03	16.61	19.34	16.23	16.91	19.59	<=30	Pass
		Edge_1RB_Right	15.21	17.08	19.26	15.41	17.38	19.52	<=30	Pass
		Outer_Full	15.22	16.77	19.07	15.42	17.07	19.33	<=30	Pass
		Inner_Full	15.11	16.74	19.02	15.31	17.04	19.27	<=30	Pass
		Inner_1RB_Left	15.88	16.49	19.21	16.08	16.79	19.46	<=30	Pass
		Inner_1RB_Right	15.28	16.95	19.20	15.48	17.25	19.46	<=30	Pass
	3500.01	Edge_1RB_Left	15.06	17.08	19.20	15.26	17.38	19.46	<=30	Pass
		Edge_1RB_Right	15.96	17.32	19.70	16.16	17.62	19.96	<=30	Pass
		Outer_Full	15.32	17.14	19.33	15.52	17.44	19.60	<=30	Pass
		Inner_Full	15.49	17.05	19.35	15.69	17.35	19.61	<=30	Pass
		Inner_1RB_Left	14.79	17.11	19.11	14.99	17.41	19.38	<=30	Pass
		Inner_1RB_Right	15.89	17.18	19.59	16.09	17.48	19.85	<=30	Pass
	3529.98	Edge_1RB_Left	15.43	17.45	19.57	15.63	17.75	19.83	<=30	Pass
		Edge_1RB_Right	14.28	17.17	18.97	14.48	17.47	19.24	<=30	Pass
		Outer_Full	15.34	16.96	19.24	15.54	17.26	19.49	<=30	Pass
		Inner_Full	15.47	16.93	19.28	15.67	17.23	19.53	<=30	Pass
		Inner_1RB_Left	15.49	17.34	19.52	15.69	17.64	19.78	<=30	Pass
		Inner_1RB_Right	14.26	17.23	19.01	14.46	17.53	19.27	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.4 30k_60MHz_NTNV_EIRP

1.4.1 Test Result

5G NR n77d SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant7	Ant3	Sum	Ant7	Ant3	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Edge_1RB_Left	22.39	21.06	/	22.69	21.26	/	<=30	Pass
		Edge_1RB_Right	21.46	20.86	/	21.76	21.06	/	<=30	Pass
		Outer_Full	24.91	23.88	/	25.21	24.08	/	<=30	Pass
		Inner_Full	25.32	24.14	/	25.62	24.34	/	<=30	Pass
		Inner_1RB_Left	25.98	24.65	/	26.28	24.85	/	<=30	Pass
		Inner_1RB_Right	25.06	24.39	/	25.36	24.59	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.00	21.04	/	22.3	21.24	/	<=30	Pass
		Edge_1RB_Right	21.54	21.44	/	21.84	21.64	/	<=30	Pass
		Outer_Full	24.67	23.86	/	24.97	24.06	/	<=30	Pass
		Inner_Full	25.22	24.19	/	25.52	24.39	/	<=30	Pass
		Inner_1RB_Left	25.35	24.46	/	25.65	24.66	/	<=30	Pass
		Inner_1RB_Right	25.04	24.81	/	25.34	25.01	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.76	20.48	/	22.06	20.68	/	<=30	Pass
		Edge_1RB_Right	21.72	20.67	/	22.02	20.87	/	<=30	Pass
		Outer_Full	24.73	24.08	/	25.03	24.28	/	<=30	Pass
		Inner_Full	25.28	24.80	/	25.58	25.00	/	<=30	Pass
		Inner_1RB_Left	25.22	23.91	/	25.52	24.11	/	<=30	Pass
		Inner_1RB_Right	25.17	23.90	/	25.47	24.10	/	<=30	Pass
DFT-s-OFDM QPSK	3480	Edge_1RB_Left	22.48	20.99	/	22.78	21.19	/	<=30	Pass
		Edge_1RB_Right	21.50	20.84	/	21.8	21.04	/	<=30	Pass
		Outer_Full	24.38	23.41	/	24.68	23.61	/	<=30	Pass
		Inner_Full	25.30	24.13	/	25.6	24.33	/	<=30	Pass
		Inner_1RB_Left	25.99	24.59	/	26.29	24.79	/	<=30	Pass
		Inner_1RB_Right	25.05	24.40	/	25.35	24.60	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.91	21.02	/	22.21	21.22	/	<=30	Pass
		Edge_1RB_Right	21.46	21.33	/	21.76	21.53	/	<=30	Pass
		Outer_Full	24.20	23.23	/	24.5	23.43	/	<=30	Pass
		Inner_Full	25.14	24.32	/	25.44	24.52	/	<=30	Pass
		Inner_1RB_Left	25.41	24.44	/	25.71	24.64	/	<=30	Pass
		Inner_1RB_Right	25.02	24.73	/	25.32	24.93	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.65	20.29	/	21.95	20.49	/	<=30	Pass
		Edge_1RB_Right	21.61	20.49	/	21.91	20.69	/	<=30	Pass
		Outer_Full	24.24	23.58	/	24.54	23.78	/	<=30	Pass
		Inner_Full	25.27	24.74	/	25.57	24.94	/	<=30	Pass
		Inner_1RB_Left	25.18	23.87	/	25.48	24.07	/	<=30	Pass
		Inner_1RB_Right	25.17	23.88	/	25.47	24.08	/	<=30	Pass
DFT-s-OFDM 16 QAM	3480	Edge_1RB_Left	22.36	21.01	/	22.66	21.21	/	<=30	Pass
		Edge_1RB_Right	21.43	20.79	/	21.73	20.99	/	<=30	Pass
		Outer_Full	23.49	22.44	/	23.79	22.64	/	<=30	Pass
		Inner_Full	24.33	23.18	/	24.63	23.38	/	<=30	Pass
		Inner_1RB_Left	24.84	23.43	/	25.14	23.63	/	<=30	Pass
		Inner_1RB_Right	23.83	23.24	/	24.13	23.44	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.86	21.02	/	22.16	21.22	/	<=30	Pass
		Edge_1RB_Right	21.52	21.26	/	21.82	21.46	/	<=30	Pass
		Outer_Full	23.18	22.25	/	23.48	22.45	/	<=30	Pass
		Inner_Full	24.09	23.32	/	24.39	23.52	/	<=30	Pass
		Inner_1RB_Left	24.31	23.31	/	24.61	23.51	/	<=30	Pass
		Inner_1RB_Right	23.96	23.64	/	24.26	23.84	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.72	20.25	/	22.02	20.45	/	<=30	Pass

		Edge 1RB Right	21.47	20.26	/	21.77	20.46	/	<=30	Pass
		Outer Full	23.25	22.63	/	23.55	22.83	/	<=30	Pass
		Inner Full	24.16	23.73	/	24.46	23.93	/	<=30	Pass
		Inner 1RB Left	24.03	22.72	/	24.33	22.92	/	<=30	Pass
		Inner 1RB Right	24.00	22.81	/	24.3	23.01	/	<=30	Pass
DFT-s-OFDM 64 QAM	3480	Edge 1RB Left	22.54	21.21	/	22.84	21.41	/	<=30	Pass
		Edge 1RB Right	21.59	20.98	/	21.89	21.18	/	<=30	Pass
		Outer Full	22.87	21.95	/	23.17	22.15	/	<=30	Pass
		Inner Full	22.88	21.71	/	23.18	21.91	/	<=30	Pass
		Inner 1RB Left	23.58	22.09	/	23.88	22.29	/	<=30	Pass
		Inner 1RB Right	22.56	21.94	/	22.86	22.14	/	<=30	Pass
	3500.01	Edge 1RB Left	21.98	21.14	/	22.28	21.34	/	<=30	Pass
		Edge 1RB Right	21.52	21.42	/	21.82	21.62	/	<=30	Pass
		Outer Full	22.71	21.80	/	23.01	22.00	/	<=30	Pass
		Inner Full	22.70	21.71	/	23	21.91	/	<=30	Pass
		Inner 1RB Left	23.04	22.11	/	23.34	22.31	/	<=30	Pass
		Inner 1RB Right	22.64	22.36	/	22.94	22.56	/	<=30	Pass
	3519.99	Edge 1RB Left	21.66	20.41	/	21.96	20.61	/	<=30	Pass
		Edge 1RB Right	21.65	20.60	/	21.95	20.80	/	<=30	Pass
		Outer Full	22.71	22.16	/	23.01	22.36	/	<=30	Pass
		Inner Full	22.83	22.24	/	23.13	22.44	/	<=30	Pass
		Inner 1RB Left	22.67	21.40	/	22.97	21.60	/	<=30	Pass
		Inner 1RB Right	22.76	21.58	/	23.06	21.78	/	<=30	Pass
DFT-s-OFDM 256 QAM	3480	Edge 1RB Left	21.38	20.07	/	21.68	20.27	/	<=30	Pass
		Edge 1RB Right	20.48	19.79	/	20.78	19.99	/	<=30	Pass
		Outer Full	20.86	20.07	/	21.16	20.27	/	<=30	Pass
		Inner Full	20.78	19.81	/	21.08	20.01	/	<=30	Pass
		Inner 1RB Left	21.46	20.15	/	21.76	20.35	/	<=30	Pass
		Inner 1RB Right	20.58	19.96	/	20.88	20.16	/	<=30	Pass
	3500.01	Edge 1RB Left	20.98	20.02	/	21.28	20.22	/	<=30	Pass
		Edge 1RB Right	20.42	20.27	/	20.72	20.47	/	<=30	Pass
		Outer Full	20.68	19.88	/	20.98	20.08	/	<=30	Pass
		Inner Full	20.69	19.76	/	20.99	19.96	/	<=30	Pass
		Inner 1RB Left	20.95	20.03	/	21.25	20.23	/	<=30	Pass
		Inner 1RB Right	20.60	20.36	/	20.9	20.56	/	<=30	Pass
	3519.99	Edge 1RB Left	20.59	19.28	/	20.89	19.48	/	<=30	Pass
		Edge 1RB Right	20.57	19.59	/	20.87	19.79	/	<=30	Pass
		Outer Full	20.65	20.20	/	20.95	20.40	/	<=30	Pass
		Inner Full	20.80	20.25	/	21.1	20.45	/	<=30	Pass
		Inner 1RB Left	20.60	19.31	/	20.9	19.51	/	<=30	Pass
		Inner 1RB Right	20.78	19.60	/	21.08	19.80	/	<=30	Pass
CP-OFDM QPSK	3480	Edge 1RB Left	22.49	21.15	/	22.79	21.35	/	<=30	Pass
		Edge 1RB Right	21.44	21.07	/	21.74	21.27	/	<=30	Pass
		Outer Full	22.41	21.50	/	22.71	21.70	/	<=30	Pass
		Inner Full	23.80	22.78	/	24.1	22.98	/	<=30	Pass
		Inner 1RB Left	24.52	23.28	/	24.82	23.48	/	<=30	Pass
		Inner 1RB Right	23.71	22.98	/	24.01	23.18	/	<=30	Pass
	3500.01	Edge 1RB Left	22.04	21.12	/	22.34	21.32	/	<=30	Pass
		Edge 1RB Right	21.57	21.48	/	21.87	21.68	/	<=30	Pass
		Outer Full	22.25	21.40	/	22.55	21.60	/	<=30	Pass
		Inner Full	23.57	22.84	/	23.87	23.04	/	<=30	Pass
		Inner 1RB Left	24.01	23.05	/	24.31	23.25	/	<=30	Pass
		Inner 1RB Right	23.56	23.38	/	23.86	23.58	/	<=30	Pass
	3519.99	Edge 1RB Left	21.85	20.48	/	22.15	20.68	/	<=30	Pass
		Edge 1RB Right	21.58	20.61	/	21.88	20.81	/	<=30	Pass
		Outer Full	22.27	21.58	/	22.57	21.78	/	<=30	Pass
		Inner Full	23.78	23.32	/	24.08	23.52	/	<=30	Pass
		Inner 1RB Left	23.61	22.59	/	23.91	22.79	/	<=30	Pass
		Inner 1RB Right	23.77	22.60	/	24.07	22.80	/	<=30	Pass

CP-OFDM 16 QAM	3480	Edge_1RB_Left	22.55	20.93	/	22.85	21.13	/	<=30	Pass
		Edge_1RB_Right	21.37	20.78	/	21.67	20.98	/	<=30	Pass
		Outer_Full	22.38	21.47	/	22.68	21.67	/	<=30	Pass
		Inner_Full	23.30	22.31	/	23.6	22.51	/	<=30	Pass
		Inner_1RB_Left	23.84	22.33	/	24.14	22.53	/	<=30	Pass
		Inner_1RB_Right	22.75	22.23	/	23.05	22.43	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.90	21.08	/	22.2	21.28	/	<=30	Pass
		Edge_1RB_Right	21.45	21.35	/	21.75	21.55	/	<=30	Pass
		Outer_Full	22.23	21.41	/	22.53	21.61	/	<=30	Pass
		Inner_Full	23.22	22.33	/	23.52	22.53	/	<=30	Pass
		Inner_1RB_Left	23.35	22.50	/	23.65	22.70	/	<=30	Pass
		Inner_1RB_Right	22.96	22.70	/	23.26	22.90	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.63	20.18	/	21.93	20.38	/	<=30	Pass
		Edge_1RB_Right	21.74	20.32	/	22.04	20.52	/	<=30	Pass
		Outer_Full	22.29	21.68	/	22.59	21.88	/	<=30	Pass
		Inner_Full	23.19	22.69	/	23.49	22.89	/	<=30	Pass
		Inner_1RB_Left	23.27	21.83	/	23.57	22.03	/	<=30	Pass
		Inner_1RB_Right	23.24	21.79	/	23.54	21.99	/	<=30	Pass
CP-OFDM 64 QAM	3480	Edge_1RB_Left	22.46	21.14	/	22.76	21.34	/	<=30	Pass
		Edge_1RB_Right	21.51	21.05	/	21.81	21.25	/	<=30	Pass
		Outer_Full	21.93	20.88	/	22.23	21.08	/	<=30	Pass
		Inner_Full	21.79	20.85	/	22.09	21.05	/	<=30	Pass
		Inner_1RB_Left	22.52	21.18	/	22.82	21.38	/	<=30	Pass
		Inner_1RB_Right	21.68	20.91	/	21.98	21.11	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.05	21.22	/	22.35	21.42	/	<=30	Pass
		Edge_1RB_Right	21.55	21.39	/	21.85	21.59	/	<=30	Pass
		Outer_Full	21.67	20.92	/	21.97	21.12	/	<=30	Pass
		Inner_Full	21.71	20.86	/	22.01	21.06	/	<=30	Pass
		Inner_1RB_Left	22.02	21.16	/	22.32	21.36	/	<=30	Pass
		Inner_1RB_Right	21.74	21.39	/	22.04	21.59	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.85	20.44	/	22.15	20.64	/	<=30	Pass
		Edge_1RB_Right	21.85	20.59	/	22.15	20.79	/	<=30	Pass
		Outer_Full	21.83	21.19	/	22.13	21.39	/	<=30	Pass
		Inner_Full	21.83	21.30	/	22.13	21.50	/	<=30	Pass
		Inner_1RB_Left	21.97	20.41	/	22.27	20.61	/	<=30	Pass
		Inner_1RB_Right	21.95	20.56	/	22.25	20.76	/	<=30	Pass
CP-OFDM 256 QAM	3480	Edge_1RB_Left	19.59	18.21	/	19.89	18.41	/	<=30	Pass
		Edge_1RB_Right	18.61	17.86	/	18.91	18.06	/	<=30	Pass
		Outer_Full	18.96	17.98	/	19.26	18.18	/	<=30	Pass
		Inner_Full	18.73	17.65	/	19.03	17.85	/	<=30	Pass
		Inner_1RB_Left	19.46	18.19	/	19.76	18.39	/	<=30	Pass
		Inner_1RB_Right	18.55	17.94	/	18.85	18.14	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.97	18.02	/	19.27	18.22	/	<=30	Pass
		Edge_1RB_Right	18.55	18.47	/	18.85	18.67	/	<=30	Pass
		Outer_Full	18.75	17.90	/	19.05	18.10	/	<=30	Pass
		Inner_Full	18.73	17.80	/	19.03	18.00	/	<=30	Pass
		Inner_1RB_Left	18.94	18.10	/	19.24	18.30	/	<=30	Pass
		Inner_1RB_Right	18.69	18.43	/	18.99	18.63	/	<=30	Pass
	3519.99	Edge_1RB_Left	18.64	17.59	/	18.94	17.79	/	<=30	Pass
		Edge_1RB_Right	18.72	17.63	/	19.02	17.83	/	<=30	Pass
		Outer_Full	18.67	18.09	/	18.97	18.29	/	<=30	Pass
		Inner_Full	18.75	18.27	/	19.05	18.47	/	<=30	Pass
		Inner_1RB_Left	18.75	17.38	/	19.05	17.58	/	<=30	Pass
		Inner_1RB_Right	18.72	17.55	/	19.02	17.75	/	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77d 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	3480	Edge_1RB_Left	18.62	19.42	22.05	18.82	19.72	22.30	<=30	Pass
		Edge_1RB_Right	18.51	20.06	22.36	18.71	20.36	22.62	<=30	Pass
		Outer_Full	18.78	20.25	22.59	18.98	20.55	22.85	<=30	Pass
		Inner_Full	20.03	21.91	24.08	20.23	22.21	24.34	<=30	Pass
		Inner_1RB_Left	20.58	21.51	24.08	20.78	21.81	24.34	<=30	Pass
		Inner_1RB_Right	20.66	22.16	24.48	20.86	22.46	24.74	<=30	Pass
	3500.01	Edge_1RB_Left	18.14	19.72	22.01	18.34	20.02	22.27	<=30	Pass
		Edge_1RB_Right	18.68	20.00	22.40	18.88	20.30	22.66	<=30	Pass
		Outer_Full	18.76	20.56	22.76	18.96	20.86	23.02	<=30	Pass
		Inner_Full	20.35	22.04	24.29	20.55	22.34	24.55	<=30	Pass
		Inner_1RB_Left	20.00	21.68	23.93	20.20	21.98	24.19	<=30	Pass
		Inner_1RB_Right	20.67	22.07	24.43	20.87	22.37	24.69	<=30	Pass
	3519.99	Edge_1RB_Left	18.05	19.89	22.08	18.25	20.19	22.34	<=30	Pass
		Edge_1RB_Right	17.34	19.87	21.80	17.54	20.17	22.06	<=30	Pass
		Outer_Full	18.76	20.45	22.70	18.96	20.75	22.96	<=30	Pass
		Inner_Full	20.56	22.01	24.36	20.76	22.31	24.61	<=30	Pass
		Inner_1RB_Left	20.18	21.81	24.08	20.38	22.11	24.34	<=30	Pass
		Inner_1RB_Right	19.35	21.82	23.77	19.55	22.12	24.03	<=30	Pass
CP-OFDM 16 QAM	3480	Edge_1RB_Left	18.67	19.61	22.18	18.87	19.91	22.43	<=30	Pass
		Edge_1RB_Right	18.40	19.95	22.26	18.60	20.25	22.51	<=30	Pass
		Outer_Full	18.87	20.28	22.64	19.07	20.58	22.90	<=30	Pass
		Inner_Full	19.56	21.33	23.55	19.76	21.63	23.81	<=30	Pass
		Inner_1RB_Left	20.16	21.11	23.67	20.36	21.41	23.93	<=30	Pass
		Inner_1RB_Right	20.06	21.59	23.90	20.26	21.89	24.16	<=30	Pass
	3500.01	Edge_1RB_Left	18.00	19.60	21.88	18.20	19.90	22.14	<=30	Pass
		Edge_1RB_Right	18.68	19.71	22.24	18.88	20.01	22.49	<=30	Pass
		Outer_Full	18.81	20.51	22.75	19.01	20.81	23.01	<=30	Pass
		Inner_Full	19.86	21.57	23.81	20.06	21.87	24.07	<=30	Pass
		Inner_1RB_Left	19.57	21.15	23.44	19.77	21.45	23.70	<=30	Pass
		Inner_1RB_Right	20.38	21.53	24.00	20.58	21.83	24.26	<=30	Pass
	3519.99	Edge_1RB_Left	17.96	19.89	22.04	18.16	20.19	22.30	<=30	Pass
		Edge_1RB_Right	17.27	19.94	21.82	17.47	20.24	22.08	<=30	Pass
		Outer_Full	18.80	20.44	22.70	19.00	20.74	22.97	<=30	Pass
		Inner_Full	20.07	21.58	23.90	20.27	21.88	24.16	<=30	Pass
		Inner_1RB_Left	19.51	21.64	23.72	19.71	21.94	23.98	<=30	Pass
		Inner_1RB_Right	18.78	21.56	23.40	18.98	21.86	23.66	<=30	Pass
CP-OFDM 64 QAM	3480	Edge_1RB_Left	18.68	19.45	22.09	18.88	19.75	22.35	<=30	Pass
		Edge_1RB_Right	18.44	20.11	22.36	18.64	20.41	22.62	<=30	Pass
		Outer_Full	18.26	19.80	22.11	18.46	20.10	22.37	<=30	Pass
		Inner_Full	18.04	19.80	22.02	18.24	20.10	22.28	<=30	Pass
		Inner_1RB_Left	18.62	19.39	22.03	18.82	19.69	22.29	<=30	Pass
		Inner_1RB_Right	18.46	19.93	22.27	18.66	20.23	22.53	<=30	Pass
	3500.01	Edge_1RB_Left	17.97	19.75	21.96	18.17	20.05	22.22	<=30	Pass
		Edge_1RB_Right	18.49	19.99	22.31	18.69	20.29	22.57	<=30	Pass
		Outer_Full	18.25	20.08	22.27	18.45	20.38	22.53	<=30	Pass
		Inner_Full	18.36	20.08	22.32	18.56	20.38	22.57	<=30	Pass
		Inner_1RB_Left	17.86	19.84	21.97	18.06	20.14	22.23	<=30	Pass
		Inner_1RB_Right	18.60	19.98	22.36	18.80	20.28	22.61	<=30	Pass
	3519.99	Edge_1RB_Left	17.95	19.77	21.96	18.15	20.07	22.23	<=30	Pass
		Edge_1RB_Right	17.31	19.77	21.72	17.51	20.07	21.99	<=30	Pass
		Outer_Full	18.23	19.89	22.15	18.43	20.19	22.41	<=30	Pass
		Inner_Full	18.51	20.01	22.34	18.71	20.31	22.59	<=30	Pass
		Inner_1RB_Left	18.03	19.84	22.04	18.23	20.14	22.30	<=30	Pass
		Inner_1RB_Right	17.34	19.78	21.74	17.54	20.08	22.00	<=30	Pass
CP-OFDM 256 QAM	3480	Edge_1RB_Left	15.77	16.34	19.07	15.97	16.64	19.33	<=30	Pass
		Edge_1RB_Right	15.50	16.78	19.20	15.70	17.08	19.45	<=30	Pass

		Outer_Full	15.28	16.75	19.09	15.48	17.05	19.35	<=30	Pass
		Inner_Full	15.04	16.91	19.08	15.24	17.21	19.35	<=30	Pass
		Inner_1RB_Left	15.80	16.30	19.07	16.00	16.60	19.32	<=30	Pass
		Inner_1RB_Right	15.58	17.04	19.38	15.78	17.34	19.64	<=30	Pass
	3500.01	Edge_1RB_Left	14.95	16.83	19.00	15.15	17.13	19.26	<=30	Pass
		Edge_1RB_Right	15.51	16.97	19.31	15.71	17.27	19.57	<=30	Pass
		Outer_Full	15.32	17.13	19.33	15.52	17.43	19.59	<=30	Pass
		Inner_Full	15.30	17.06	19.28	15.50	17.36	19.54	<=30	Pass
	3519.99	Inner_1RB_Left	14.91	16.87	19.01	15.11	17.17	19.27	<=30	Pass
		Inner_1RB_Right	15.49	17.08	19.37	15.69	17.38	19.63	<=30	Pass
		Edge_1RB_Left	14.94	17.17	19.20	15.14	17.47	19.47	<=30	Pass
		Edge_1RB_Right	14.13	17.09	18.87	14.33	17.39	19.13	<=30	Pass
		Outer_Full	15.30	17.09	19.30	15.50	17.39	19.56	<=30	Pass
		Inner_Full	15.55	17.11	19.41	15.75	17.41	19.67	<=30	Pass
		Inner_1RB_Left	14.94	17.10	19.17	15.14	17.40	19.43	<=30	Pass
		Inner_1RB_Right	14.18	17.09	18.89	14.38	17.39	19.15	<=30	Pass

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

1.5 30k_80MHz_NTNV_EIRP

1.5.1 Test Result

5G NR n77d SCS=30kHz SISO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant7	Ant3	Sum	Ant7	Ant3	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3490.02	Edge_1RB_Left	22.26	20.83	/	22.56	21.03	/	<=30	Pass
		Edge_1RB_Right	21.38	21.23	/	21.68	21.43	/	<=30	Pass
		Outer_Full	24.58	23.69	/	24.88	23.89	/	<=30	Pass
		Inner_Full	24.95	23.99	/	25.25	24.19	/	<=30	Pass
		Inner_1RB_Left	25.81	24.39	/	26.11	24.59	/	<=30	Pass
		Inner_1RB_Right	24.83	24.74	/	25.13	24.94	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.11	21.34	/	22.41	21.54	/	<=30	Pass
		Edge_1RB_Right	21.21	21.05	/	21.51	21.25	/	<=30	Pass
		Outer_Full	24.61	23.78	/	24.91	23.98	/	<=30	Pass
		Inner_Full	24.95	23.97	/	25.25	24.17	/	<=30	Pass
		Inner_1RB_Left	25.60	24.68	/	25.9	24.88	/	<=30	Pass
		Inner_1RB_Right	24.77	24.51	/	25.07	24.71	/	<=30	Pass
	3510	Edge_1RB_Left	21.84	20.86	/	22.14	21.06	/	<=30	Pass
		Edge_1RB_Right	21.45	20.34	/	21.75	20.54	/	<=30	Pass
		Outer_Full	24.44	23.69	/	24.74	23.89	/	<=30	Pass
		Inner_Full	24.89	24.21	/	25.19	24.41	/	<=30	Pass
		Inner_1RB_Left	25.32	24.28	/	25.62	24.48	/	<=30	Pass
		Inner_1RB_Right	24.90	23.78	/	25.2	23.98	/	<=30	Pass
DFT-s-OFDM QPSK	3490.02	Edge_1RB_Left	22.23	20.78	/	22.53	20.98	/	<=30	Pass
		Edge_1RB_Right	21.39	21.31	/	21.69	21.51	/	<=30	Pass
		Outer_Full	24.18	23.27	/	24.48	23.47	/	<=30	Pass
		Inner_Full	24.99	23.99	/	25.29	24.19	/	<=30	Pass
		Inner_1RB_Left	25.75	24.37	/	26.05	24.57	/	<=30	Pass
		Inner_1RB_Right	24.84	24.76	/	25.14	24.96	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.14	21.25	/	22.44	21.45	/	<=30	Pass
		Edge_1RB_Right	21.29	21.03	/	21.59	21.23	/	<=30	Pass
		Outer_Full	24.06	23.27	/	24.36	23.47	/	<=30	Pass
		Inner_Full	24.94	24.01	/	25.24	24.21	/	<=30	Pass
		Inner_1RB_Left	25.60	24.69	/	25.9	24.89	/	<=30	Pass
		Inner_1RB_Right	24.75	24.54	/	25.05	24.74	/	<=30	Pass

	3510	Edge_1RB_Left	21.77	20.76	/	22.07	20.96	/	<=30	Pass
		Edge_1RB_Right	21.39	20.37	/	21.69	20.57	/	<=30	Pass
		Outer_Full	24.01	23.24	/	24.31	23.44	/	<=30	Pass
		Inner_Full	24.93	24.24	/	25.23	24.44	/	<=30	Pass
		Inner_1RB_Left	25.23	24.27	/	25.53	24.47	/	<=30	Pass
		Inner_1RB_Right	24.86	23.84	/	25.16	24.04	/	<=30	Pass
DFT-s-OFDM 16 QAM	3490.02	Edge_1RB_Left	22.29	20.73	/	22.59	20.93	/	<=30	Pass
		Edge_1RB_Right	21.36	20.96	/	21.66	21.16	/	<=30	Pass
		Outer_Full	23.13	22.30	/	23.43	22.50	/	<=30	Pass
		Inner_Full	24.04	22.93	/	24.34	23.13	/	<=30	Pass
		Inner_1RB_Left	24.70	23.19	/	25	23.39	/	<=30	Pass
		Inner_1RB_Right	23.75	23.43	/	24.05	23.63	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.02	21.02	/	22.32	21.22	/	<=30	Pass
		Edge_1RB_Right	21.20	21.05	/	21.5	21.25	/	<=30	Pass
		Outer_Full	23.08	22.27	/	23.38	22.47	/	<=30	Pass
		Inner_Full	23.96	23.00	/	24.26	23.20	/	<=30	Pass
		Inner_1RB_Left	24.45	23.47	/	24.75	23.67	/	<=30	Pass
		Inner_1RB_Right	23.59	23.33	/	23.89	23.53	/	<=30	Pass
	3510	Edge_1RB_Left	21.73	20.80	/	22.03	21.00	/	<=30	Pass
		Edge_1RB_Right	21.43	20.28	/	21.73	20.48	/	<=30	Pass
		Outer_Full	23.02	22.26	/	23.32	22.46	/	<=30	Pass
		Inner_Full	24.04	23.22	/	24.34	23.42	/	<=30	Pass
		Inner_1RB_Left	24.15	23.21	/	24.45	23.41	/	<=30	Pass
		Inner_1RB_Right	23.79	22.70	/	24.09	22.90	/	<=30	Pass
DFT-s-OFDM 64 QAM	3490.02	Edge_1RB_Left	22.38	20.99	/	22.68	21.19	/	<=30	Pass
		Edge_1RB_Right	21.50	21.24	/	21.8	21.44	/	<=30	Pass
		Outer_Full	22.66	21.79	/	22.96	21.99	/	<=30	Pass
		Inner_Full	22.45	21.48	/	22.75	21.68	/	<=30	Pass
		Inner_1RB_Left	23.42	21.93	/	23.72	22.13	/	<=30	Pass
		Inner_1RB_Right	22.47	22.25	/	22.77	22.45	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.15	21.17	/	22.45	21.37	/	<=30	Pass
		Edge_1RB_Right	21.39	21.11	/	21.69	21.31	/	<=30	Pass
		Outer_Full	22.62	21.80	/	22.92	22.00	/	<=30	Pass
		Inner_Full	22.48	21.56	/	22.78	21.76	/	<=30	Pass
		Inner_1RB_Left	23.09	22.13	/	23.39	22.33	/	<=30	Pass
		Inner_1RB_Right	22.35	22.04	/	22.65	22.24	/	<=30	Pass
	3510	Edge_1RB_Left	21.85	20.90	/	22.15	21.10	/	<=30	Pass
		Edge_1RB_Right	21.46	20.29	/	21.76	20.49	/	<=30	Pass
		Outer_Full	22.39	21.65	/	22.69	21.85	/	<=30	Pass
		Inner_Full	22.57	21.80	/	22.87	22.00	/	<=30	Pass
		Inner_1RB_Left	22.85	21.82	/	23.15	22.02	/	<=30	Pass
		Inner_1RB_Right	22.49	21.32	/	22.79	21.52	/	<=30	Pass
DFT-s-OFDM 256 QAM	3490.02	Edge_1RB_Left	21.28	19.80	/	21.58	20.00	/	<=30	Pass
		Edge_1RB_Right	20.26	20.16	/	20.56	20.36	/	<=30	Pass
		Outer_Full	20.58	19.83	/	20.88	20.03	/	<=30	Pass
		Inner_Full	20.63	19.44	/	20.93	19.64	/	<=30	Pass
		Inner_1RB_Left	21.30	19.86	/	21.6	20.06	/	<=30	Pass
		Inner_1RB_Right	20.36	20.28	/	20.66	20.48	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.07	20.22	/	21.37	20.42	/	<=30	Pass
		Edge_1RB_Right	20.22	20.02	/	20.52	20.22	/	<=30	Pass
		Outer_Full	20.49	19.78	/	20.79	19.98	/	<=30	Pass
		Inner_Full	20.37	19.45	/	20.67	19.65	/	<=30	Pass
		Inner_1RB_Left	21.08	20.15	/	21.38	20.35	/	<=30	Pass
		Inner_1RB_Right	20.21	20.01	/	20.51	20.21	/	<=30	Pass
	3510	Edge_1RB_Left	20.77	19.86	/	21.07	20.06	/	<=30	Pass
		Edge_1RB_Right	20.51	19.26	/	20.81	19.46	/	<=30	Pass
		Outer_Full	20.51	19.70	/	20.81	19.90	/	<=30	Pass
		Inner_Full	20.55	19.75	/	20.85	19.95	/	<=30	Pass
		Inner_1RB_Left	20.85	19.75	/	21.15	19.95	/	<=30	Pass

		Inner 1RB Right	20.30	19.36	/	20.6	19.56	/	<=30	Pass
CP-OFDM QPSK	3490.02	Edge 1RB Left	22.33	20.98	/	22.63	21.18	/	<=30	Pass
		Edge 1RB Right	21.33	21.43	/	21.63	21.63	/	<=30	Pass
		Outer Full	22.01	21.33	/	22.31	21.53	/	<=30	Pass
		Inner Full	23.45	22.45	/	23.75	22.65	/	<=30	Pass
		Inner 1RB Left	24.28	23.01	/	24.58	23.21	/	<=30	Pass
		Inner 1RB Right	23.32	23.20	/	23.62	23.40	/	<=30	Pass
	3500.01	Edge 1RB Left	22.24	21.29	/	22.54	21.49	/	<=30	Pass
		Edge 1RB Right	21.39	21.09	/	21.69	21.29	/	<=30	Pass
		Outer Full	22.06	21.33	/	22.36	21.53	/	<=30	Pass
		Inner Full	23.44	22.55	/	23.74	22.75	/	<=30	Pass
		Inner 1RB Left	24.17	23.38	/	24.47	23.58	/	<=30	Pass
		Inner 1RB Right	23.28	23.09	/	23.58	23.29	/	<=30	Pass
	3510	Edge 1RB Left	21.81	20.88	/	22.11	21.08	/	<=30	Pass
		Edge 1RB Right	21.40	20.45	/	21.7	20.65	/	<=30	Pass
		Outer Full	21.80	21.25	/	22.1	21.45	/	<=30	Pass
		Inner Full	23.44	22.71	/	23.74	22.91	/	<=30	Pass
		Inner 1RB Left	23.79	22.90	/	24.09	23.10	/	<=30	Pass
		Inner 1RB Right	23.43	22.35	/	23.73	22.55	/	<=30	Pass
CP-OFDM 16 QAM	3490.02	Edge 1RB Left	22.35	20.73	/	22.65	20.93	/	<=30	Pass
		Edge 1RB Right	21.30	21.00	/	21.6	21.20	/	<=30	Pass
		Outer Full	22.13	21.27	/	22.43	21.47	/	<=30	Pass
		Inner Full	22.99	22.00	/	23.29	22.20	/	<=30	Pass
		Inner 1RB Left	23.87	22.30	/	24.17	22.50	/	<=30	Pass
		Inner 1RB Right	22.87	22.62	/	23.17	22.82	/	<=30	Pass
	3500.01	Edge 1RB Left	21.99	21.17	/	22.29	21.37	/	<=30	Pass
		Edge 1RB Right	21.20	20.84	/	21.5	21.04	/	<=30	Pass
		Outer Full	22.07	21.34	/	22.37	21.54	/	<=30	Pass
		Inner Full	22.98	21.98	/	23.28	22.18	/	<=30	Pass
		Inner 1RB Left	23.50	22.80	/	23.8	23.00	/	<=30	Pass
		Inner 1RB Right	22.62	22.30	/	22.92	22.50	/	<=30	Pass
	3510	Edge 1RB Left	21.72	20.72	/	22.02	20.92	/	<=30	Pass
		Edge 1RB Right	21.39	20.21	/	21.69	20.41	/	<=30	Pass
		Outer Full	21.97	21.21	/	22.27	21.41	/	<=30	Pass
		Inner Full	22.93	22.26	/	23.23	22.46	/	<=30	Pass
		Inner 1RB Left	23.18	22.23	/	23.48	22.43	/	<=30	Pass
		Inner 1RB Right	22.69	21.70	/	22.99	21.90	/	<=30	Pass
CP-OFDM 64 QAM	3490.02	Edge 1RB Left	22.34	20.89	/	22.64	21.09	/	<=30	Pass
		Edge 1RB Right	21.33	21.20	/	21.63	21.40	/	<=30	Pass
		Outer Full	21.56	20.80	/	21.86	21.00	/	<=30	Pass
		Inner Full	21.48	20.46	/	21.78	20.66	/	<=30	Pass
		Inner 1RB Left	22.19	20.90	/	22.49	21.10	/	<=30	Pass
		Inner 1RB Right	21.50	21.30	/	21.8	21.50	/	<=30	Pass
	3500.01	Edge 1RB Left	22.11	21.17	/	22.41	21.37	/	<=30	Pass
		Edge 1RB Right	21.35	21.07	/	21.65	21.27	/	<=30	Pass
		Outer Full	21.57	20.81	/	21.87	21.01	/	<=30	Pass
		Inner Full	21.36	20.54	/	21.66	20.74	/	<=30	Pass
		Inner 1RB Left	22.15	21.27	/	22.45	21.47	/	<=30	Pass
		Inner 1RB Right	21.33	21.08	/	21.63	21.28	/	<=30	Pass
	3510	Edge 1RB Left	21.85	21.00	/	22.15	21.20	/	<=30	Pass
		Edge 1RB Right	21.52	20.45	/	21.82	20.65	/	<=30	Pass
		Outer Full	21.48	20.69	/	21.78	20.89	/	<=30	Pass
		Inner Full	21.42	20.69	/	21.72	20.89	/	<=30	Pass
		Inner 1RB Left	21.83	20.88	/	22.13	21.08	/	<=30	Pass
		Inner 1RB Right	21.52	20.53	/	21.82	20.73	/	<=30	Pass
CP-OFDM 256 QAM	3490.02	Edge 1RB Left	19.34	17.93	/	19.64	18.13	/	<=30	Pass
		Edge 1RB Right	18.30	18.34	/	18.6	18.54	/	<=30	Pass
		Outer Full	18.57	17.81	/	18.87	18.01	/	<=30	Pass
		Inner Full	18.54	17.50	/	18.84	17.70	/	<=30	Pass

		Inner_1RB_Left	19.32	17.99	/	19.62	18.19	/	<=30	Pass
		Inner_1RB_Right	18.40	18.37	/	18.7	18.57	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.14	18.33	/	19.44	18.53	/	<=30	Pass
		Edge_1RB_Right	18.35	17.94	/	18.65	18.14	/	<=30	Pass
		Outer_Full	18.52	17.90	/	18.82	18.10	/	<=30	Pass
		Inner_Full	18.59	17.67	/	18.89	17.87	/	<=30	Pass
		Inner_1RB_Left	19.22	18.27	/	19.52	18.47	/	<=30	Pass
		Inner_1RB_Right	18.25	18.08	/	18.55	18.28	/	<=30	Pass
	3510	Edge_1RB_Left	18.77	17.81	/	19.07	18.01	/	<=30	Pass
		Edge_1RB_Right	18.36	17.35	/	18.66	17.55	/	<=30	Pass
		Outer_Full	18.44	17.72	/	18.74	17.92	/	<=30	Pass
		Inner_Full	18.57	17.94	/	18.87	18.14	/	<=30	Pass
		Inner_1RB_Left	18.75	17.76	/	19.05	17.96	/	<=30	Pass
		Inner_1RB_Right	18.36	17.31	/	18.66	17.51	/	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77d 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	3490.02	Edge 1RB Left	18.52	19.40	21.99	18.72	19.70	22.25	<=30	Pass
		Edge 1RB Right	18.36	19.76	22.13	18.56	20.06	22.38	<=30	Pass
		Outer Full	18.67	20.27	22.55	18.87	20.57	22.81	<=30	Pass
		Inner Full	19.85	21.73	23.90	20.05	22.03	24.16	<=30	Pass
		Inner 1RB Left	20.38	21.29	23.87	20.58	21.59	24.12	<=30	Pass
		Inner 1RB Right	20.37	21.82	24.16	20.57	22.12	24.42	<=30	Pass
	3500.01	Edge 1RB Left	18.46	19.17	21.84	18.66	19.47	22.09	<=30	Pass
		Edge 1RB Right	17.53	19.64	21.73	17.73	19.94	21.98	<=30	Pass
		Outer Full	18.59	20.27	22.52	18.79	20.57	22.78	<=30	Pass
		Inner Full	20.00	21.78	23.99	20.20	22.08	24.25	<=30	Pass
		Inner 1RB Left	20.50	21.21	23.88	20.70	21.51	24.13	<=30	Pass
		Inner 1RB Right	19.72	21.72	23.84	19.92	22.02	24.11	<=30	Pass
	3510	Edge 1RB Left	17.85	19.66	21.86	18.05	19.96	22.12	<=30	Pass
		Edge 1RB Right	17.05	19.84	21.67	17.25	20.14	21.94	<=30	Pass
		Outer Full	18.45	20.34	22.51	18.65	20.64	22.77	<=30	Pass
		Inner Full	20.26	21.83	24.13	20.46	22.13	24.39	<=30	Pass
		Inner 1RB Left	19.76	21.59	23.78	19.96	21.89	24.04	<=30	Pass
		Inner 1RB Right	19.22	21.60	23.58	19.42	21.90	23.84	<=30	Pass
CP-OFDM 16 QAM	3490.02	Edge 1RB Left	18.46	19.38	21.95	18.66	19.68	22.21	<=30	Pass
		Edge 1RB Right	18.53	19.81	22.23	18.73	20.11	22.48	<=30	Pass
		Outer Full	18.64	20.14	22.46	18.84	20.44	22.72	<=30	Pass
		Inner Full	19.41	21.24	23.43	19.61	21.54	23.69	<=30	Pass
		Inner 1RB Left	20.03	20.76	23.42	20.23	21.06	23.68	<=30	Pass
		Inner 1RB Right	20.08	21.19	23.68	20.28	21.49	23.94	<=30	Pass
	3500.01	Edge 1RB Left	18.44	19.10	21.79	18.64	19.40	22.05	<=30	Pass
		Edge 1RB Right	17.59	19.55	21.69	17.79	19.85	21.95	<=30	Pass
		Outer Full	18.56	20.21	22.47	18.76	20.51	22.73	<=30	Pass
		Inner Full	19.57	21.26	23.51	19.77	21.56	23.77	<=30	Pass
		Inner 1RB Left	19.88	20.66	23.30	20.08	20.96	23.55	<=30	Pass
		Inner 1RB Right	19.18	21.25	23.35	19.38	21.55	23.61	<=30	Pass
	3510	Edge 1RB Left	17.90	19.44	21.75	18.10	19.74	22.01	<=30	Pass
		Edge 1RB Right	17.11	19.70	21.61	17.31	20.00	21.87	<=30	Pass
		Outer Full	18.38	20.33	22.48	18.58	20.63	22.74	<=30	Pass
		Inner Full	19.78	21.32	23.63	19.98	21.62	23.89	<=30	Pass
		Inner 1RB Left	19.28	20.91	23.18	19.48	21.21	23.44	<=30	Pass
		Inner 1RB Right	18.46	21.19	23.04	18.66	21.49	23.31	<=30	Pass
CP-OFDM 64 QAM	3490.02	Edge 1RB Left	18.44	19.35	21.93	18.64	19.65	22.18	<=30	Pass
		Edge 1RB Right	18.34	19.84	22.17	18.54	20.14	22.42	<=30	Pass

		Outer_Full	18.12	19.71	21.99	18.32	20.01	22.26	<=30	Pass	
		Inner_Full	17.90	19.79	21.96	18.10	20.09	22.22	<=30	Pass	
		Inner_1RB_Left	18.40	19.30	21.88	18.60	19.60	22.14	<=30	Pass	
		Inner_1RB_Right	18.35	19.76	22.12	18.55	20.06	22.38	<=30	Pass	
	3500.01	Edge_1RB_Left	18.37	19.13	21.78	18.57	19.43	22.03	<=30	Pass	
		Edge_1RB_Right	17.63	19.60	21.74	17.83	19.90	22.00	<=30	Pass	
		Outer_Full	18.08	19.77	22.01	18.28	20.07	22.28	<=30	Pass	
		Inner_Full	18.10	19.84	22.07	18.30	20.14	22.33	<=30	Pass	
	3510	Inner_1RB_Left	18.50	18.99	21.76	18.70	19.29	22.02	<=30	Pass	
		Inner_1RB_Right	17.65	19.50	21.69	17.85	19.80	21.94	<=30	Pass	
		Edge_1RB_Left	17.91	19.32	21.68	18.11	19.62	21.94	<=30	Pass	
		Edge_1RB_Right	17.05	19.56	21.50	17.25	19.86	21.76	<=30	Pass	
		Outer_Full	17.94	19.79	21.97	18.14	20.09	22.23	<=30	Pass	
		Inner_Full	18.24	19.91	22.16	18.44	20.21	22.42	<=30	Pass	
		Inner_1RB_Left	17.82	19.42	21.70	18.02	19.72	21.96	<=30	Pass	
		Inner_1RB_Right	17.12	19.59	21.54	17.32	19.89	21.80	<=30	Pass	
	CP-OFDM 256 QAM	3490.02	Edge_1RB_Left	15.30	16.55	18.98	15.50	16.85	19.24	<=30	Pass
			Edge_1RB_Right	15.29	16.88	19.17	15.49	17.18	19.43	<=30	Pass
			Outer_Full	15.17	16.68	19.00	15.37	16.98	19.26	<=30	Pass
			Inner_Full	14.91	16.72	18.92	15.11	17.02	19.18	<=30	Pass
			Inner_1RB_Left	15.33	16.39	18.90	15.53	16.69	19.16	<=30	Pass
			Inner_1RB_Right	15.36	16.83	19.17	15.56	17.13	19.43	<=30	Pass
		3500.01	Edge_1RB_Left	15.61	16.14	18.89	15.81	16.44	19.15	<=30	Pass
			Edge_1RB_Right	14.77	16.61	18.80	14.97	16.91	19.06	<=30	Pass
Outer_Full			15.07	16.77	19.02	15.27	17.07	19.27	<=30	Pass	
Inner_Full			15.02	16.88	19.06	15.22	17.18	19.32	<=30	Pass	
Inner_1RB_Left			15.50	16.01	18.77	15.70	16.31	19.03	<=30	Pass	
Inner_1RB_Right			14.80	16.58	18.79	15.00	16.88	19.05	<=30	Pass	
3510		Edge_1RB_Left	14.67	16.69	18.81	14.87	16.99	19.07	<=30	Pass	
		Edge_1RB_Right	13.93	16.82	18.62	14.13	17.12	18.89	<=30	Pass	
		Outer_Full	14.92	16.78	18.96	15.12	17.08	19.22	<=30	Pass	
		Inner_Full	15.30	16.91	19.19	15.50	17.21	19.45	<=30	Pass	
		Inner_1RB_Left	14.68	16.77	18.86	14.88	17.07	19.12	<=30	Pass	
		Inner_1RB_Right	13.95	16.92	18.69	14.15	17.22	18.96	<=30	Pass	
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2											

1.6 30k_100MHz_NTNV_EIRP

1.6.1 Test Result

5G NR n77d SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant7	Ant3	Sum	Ant7	Ant3	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge_1RB_Left	22.30	20.74	/	22.6	20.94	/	<=30	Pass
		Edge_1RB_Right	21.59	20.32	/	21.89	20.52	/	<=30	Pass
		Outer_Full	24.67	23.77	/	24.97	23.97	/	<=30	Pass
		Inner_Full	24.96	24.07	/	25.26	24.27	/	<=30	Pass
		Inner_1RB_Left	25.78	24.32	/	26.08	24.52	/	<=30	Pass
		Inner_1RB_Right	24.97	23.82	/	25.27	24.02	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.32	20.72	/	22.62	20.92	/	<=30	Pass
		Edge_1RB_Right	21.45	20.49	/	21.75	20.69	/	<=30	Pass
		Outer_Full	24.60	23.82	/	24.9	24.02	/	<=30	Pass
		Inner_Full	25.02	24.07	/	25.32	24.27	/	<=30	Pass

		Inner_1RB_Left	25.82	24.30	/	26.12	24.50	/	<=30	Pass
		Inner_1RB_Right	24.94	23.88	/	25.24	24.08	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.42	20.84	/	22.72	21.04	/	<=30	Pass
		Edge_1RB_Right	21.34	20.46	/	21.64	20.66	/	<=30	Pass
		Outer_Full	24.65	23.81	/	24.95	24.01	/	<=30	Pass
		Inner_Full	24.97	24.00	/	25.27	24.20	/	<=30	Pass
		Inner_1RB_Left	25.84	24.36	/	26.14	24.56	/	<=30	Pass
		Inner_1RB_Right	24.95	23.98	/	25.25	24.18	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	22.34	20.71	/	22.64	20.91	/	<=30	Pass
		Edge_1RB_Right	21.40	20.33	/	21.7	20.53	/	<=30	Pass
		Outer_Full	24.07	23.31	/	24.37	23.51	/	<=30	Pass
		Inner_Full	25.02	24.05	/	25.32	24.25	/	<=30	Pass
		Inner_1RB_Left	25.81	24.26	/	26.11	24.46	/	<=30	Pass
		Inner_1RB_Right	25.02	23.86	/	25.32	24.06	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.29	20.76	/	22.59	20.96	/	<=30	Pass
		Edge_1RB_Right	21.48	20.35	/	21.78	20.55	/	<=30	Pass
		Outer_Full	24.08	23.32	/	24.38	23.52	/	<=30	Pass
		Inner_Full	25.03	24.07	/	25.33	24.27	/	<=30	Pass
		Inner_1RB_Left	25.78	24.30	/	26.08	24.50	/	<=30	Pass
		Inner_1RB_Right	24.89	23.92	/	25.19	24.12	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.30	20.85	/	22.6	21.05	/	<=30	Pass
		Edge_1RB_Right	21.44	20.38	/	21.74	20.58	/	<=30	Pass
		Outer_Full	24.14	23.41	/	24.44	23.61	/	<=30	Pass
		Inner_Full	24.99	24.06	/	25.29	24.26	/	<=30	Pass
		Inner_1RB_Left	25.70	24.30	/	26	24.50	/	<=30	Pass
		Inner_1RB_Right	24.87	23.91	/	25.17	24.11	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge_1RB_Left	22.19	20.82	/	22.49	21.02	/	<=30	Pass
		Edge_1RB_Right	21.41	20.24	/	21.71	20.44	/	<=30	Pass
		Outer_Full	23.12	22.32	/	23.42	22.52	/	<=30	Pass
		Inner_Full	24.00	23.12	/	24.3	23.32	/	<=30	Pass
		Inner_1RB_Left	24.59	23.16	/	24.89	23.36	/	<=30	Pass
		Inner_1RB_Right	23.86	22.77	/	24.16	22.97	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.28	20.76	/	22.58	20.96	/	<=30	Pass
		Edge_1RB_Right	21.35	20.45	/	21.65	20.65	/	<=30	Pass
		Outer_Full	23.16	22.26	/	23.46	22.46	/	<=30	Pass
		Inner_Full	24.03	23.11	/	24.33	23.31	/	<=30	Pass
		Inner_1RB_Left	24.60	23.13	/	24.9	23.33	/	<=30	Pass
		Inner_1RB_Right	23.76	22.78	/	24.06	22.98	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.26	20.76	/	22.56	20.96	/	<=30	Pass
		Edge_1RB_Right	21.34	20.40	/	21.64	20.60	/	<=30	Pass
		Outer_Full	23.11	22.27	/	23.41	22.47	/	<=30	Pass
		Inner_Full	24.04	23.09	/	24.34	23.29	/	<=30	Pass
		Inner_1RB_Left	24.65	23.21	/	24.95	23.41	/	<=30	Pass
		Inner_1RB_Right	23.76	22.80	/	24.06	23.00	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Left	22.38	20.85	/	22.68	21.05	/	<=30	Pass
		Edge_1RB_Right	21.50	20.53	/	21.8	20.73	/	<=30	Pass
		Outer_Full	22.58	21.86	/	22.88	22.06	/	<=30	Pass
		Inner_Full	22.40	21.57	/	22.7	21.77	/	<=30	Pass
		Inner_1RB_Left	23.28	21.87	/	23.58	22.07	/	<=30	Pass
		Inner_1RB_Right	22.41	21.50	/	22.71	21.70	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.35	20.84	/	22.65	21.04	/	<=30	Pass
		Edge_1RB_Right	21.60	20.43	/	21.9	20.63	/	<=30	Pass
		Outer_Full	22.62	21.77	/	22.92	21.97	/	<=30	Pass
		Inner_Full	22.54	21.60	/	22.84	21.80	/	<=30	Pass
		Inner_1RB_Left	23.35	21.85	/	23.65	22.05	/	<=30	Pass
		Inner_1RB_Right	22.33	21.44	/	22.63	21.64	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.43	20.96	/	22.73	21.16	/	<=30	Pass
		Edge_1RB_Right	21.56	20.47	/	21.86	20.67	/	<=30	Pass
		Outer_Full	22.61	21.87	/	22.91	22.07	/	<=30	Pass

		Inner_Full	22.52	21.59	/	22.82	21.79	/	<=30	Pass
		Inner_1RB_Left	23.33	21.93	/	23.63	22.13	/	<=30	Pass
		Inner_1RB_Right	22.53	21.49	/	22.83	21.69	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Edge_1RB_Left	21.33	19.82	/	21.63	20.02	/	<=30	Pass
		Edge_1RB_Right	20.46	19.39	/	20.76	19.59	/	<=30	Pass
		Outer_Full	20.70	19.80	/	21	20.00	/	<=30	Pass
		Inner_Full	20.61	19.55	/	20.91	19.75	/	<=30	Pass
		Inner_1RB_Left	21.20	19.81	/	21.5	20.01	/	<=30	Pass
		Inner_1RB_Right	20.42	19.44	/	20.72	19.64	/	<=30	Pass
		Edge_1RB_Left	21.17	19.80	/	21.47	20.00	/	<=30	Pass
		Edge_1RB_Right	20.46	19.47	/	20.76	19.67	/	<=30	Pass
	3500.01	Outer_Full	20.62	19.69	/	20.92	19.89	/	<=30	Pass
		Inner_Full	20.60	19.61	/	20.9	19.81	/	<=30	Pass
		Inner_1RB_Left	21.18	19.77	/	21.48	19.97	/	<=30	Pass
		Inner_1RB_Right	20.38	19.48	/	20.68	19.68	/	<=30	Pass
		Edge_1RB_Left	21.31	19.88	/	21.61	20.08	/	<=30	Pass
		Edge_1RB_Right	20.45	19.33	/	20.75	19.53	/	<=30	Pass
	3499.98	Outer_Full	20.50	19.79	/	20.8	19.99	/	<=30	Pass
		Inner_Full	20.58	19.67	/	20.88	19.87	/	<=30	Pass
		Inner_1RB_Left	21.39	19.90	/	21.69	20.10	/	<=30	Pass
		Inner_1RB_Right	20.46	19.36	/	20.76	19.56	/	<=30	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	22.42	20.86	/	22.72	21.06	/	<=30	Pass
		Edge_1RB_Right	21.55	20.63	/	21.85	20.83	/	<=30	Pass
		Outer_Full	22.17	21.27	/	22.47	21.47	/	<=30	Pass
		Inner_Full	23.47	22.58	/	23.77	22.78	/	<=30	Pass
		Inner_1RB_Left	24.34	23.06	/	24.64	23.26	/	<=30	Pass
		Inner_1RB_Right	23.40	22.50	/	23.7	22.70	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.38	20.87	/	22.68	21.07	/	<=30	Pass
		Edge_1RB_Right	21.63	20.46	/	21.93	20.66	/	<=30	Pass
		Outer_Full	22.13	21.35	/	22.43	21.55	/	<=30	Pass
		Inner_Full	23.50	22.59	/	23.8	22.79	/	<=30	Pass
		Inner_1RB_Left	24.33	23.02	/	24.63	23.22	/	<=30	Pass
		Inner_1RB_Right	23.51	22.44	/	23.81	22.64	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.42	20.82	/	22.72	21.02	/	<=30	Pass
		Edge_1RB_Right	21.55	20.42	/	21.85	20.62	/	<=30	Pass
		Outer_Full	22.11	21.28	/	22.41	21.48	/	<=30	Pass
		Inner_Full	23.43	22.62	/	23.73	22.82	/	<=30	Pass
		Inner_1RB_Left	24.28	22.79	/	24.58	22.99	/	<=30	Pass
		Inner_1RB_Right	23.39	22.39	/	23.69	22.59	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	22.16	20.71	/	22.46	20.91	/	<=30	Pass
		Edge_1RB_Right	21.29	20.35	/	21.59	20.55	/	<=30	Pass
		Outer_Full	22.01	21.32	/	22.31	21.52	/	<=30	Pass
		Inner_Full	22.95	22.03	/	23.25	22.23	/	<=30	Pass
		Inner_1RB_Left	23.61	22.16	/	23.91	22.36	/	<=30	Pass
		Inner_1RB_Right	22.91	21.80	/	23.21	22.00	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.24	20.72	/	22.54	20.92	/	<=30	Pass
		Edge_1RB_Right	21.38	20.23	/	21.68	20.43	/	<=30	Pass
		Outer_Full	22.14	21.36	/	22.44	21.56	/	<=30	Pass
		Inner_Full	22.97	22.01	/	23.27	22.21	/	<=30	Pass
		Inner_1RB_Left	23.72	22.26	/	24.02	22.46	/	<=30	Pass
		Inner_1RB_Right	22.86	21.80	/	23.16	22.00	/	<=30	Pass
	3499.98	Edge_1RB_Left	22.18	20.73	/	22.48	20.93	/	<=30	Pass
		Edge_1RB_Right	21.32	20.32	/	21.62	20.52	/	<=30	Pass
		Outer_Full	22.07	21.42	/	22.37	21.62	/	<=30	Pass
		Inner_Full	22.98	22.15	/	23.28	22.35	/	<=30	Pass
		Inner_1RB_Left	23.68	22.28	/	23.98	22.48	/	<=30	Pass
		Inner_1RB_Right	22.77	21.72	/	23.07	21.92	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	22.38	20.92	/	22.68	21.12	/	<=30	Pass
		Edge_1RB_Right	21.56	20.35	/	21.86	20.55	/	<=30	Pass

		Outer_Full	21.62	20.93	/	21.92	21.13	/	<=30	Pass
		Inner_Full	21.55	20.56	/	21.85	20.76	/	<=30	Pass
		Inner_1RB_Left	22.33	20.93	/	22.63	21.13	/	<=30	Pass
		Inner_1RB_Right	21.51	20.54	/	21.81	20.74	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.32	20.93	/	22.62	21.13	/	<=30	Pass
		Edge_1RB_Right	21.70	20.58	/	22	20.78	/	<=30	Pass
		Outer_Full	21.65	20.81	/	21.95	21.01	/	<=30	Pass
		Inner_Full	21.53	20.60	/	21.83	20.80	/	<=30	Pass
		Inner_1RB_Left	22.50	20.92	/	22.8	21.12	/	<=30	Pass
		Inner_1RB_Right	21.58	20.52	/	21.88	20.72	/	<=30	Pass
		Edge_1RB_Left	22.36	20.96	/	22.66	21.16	/	<=30	Pass
		Edge_1RB_Right	21.67	20.46	/	21.97	20.66	/	<=30	Pass
	3499.98	Outer_Full	21.61	20.98	/	21.91	21.18	/	<=30	Pass
		Inner_Full	21.43	20.59	/	21.73	20.79	/	<=30	Pass
		Inner_1RB_Left	22.35	21.06	/	22.65	21.26	/	<=30	Pass
		Inner_1RB_Right	21.59	20.54	/	21.89	20.74	/	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	19.31	17.95	/	19.61	18.15	/	<=30	Pass
		Edge_1RB_Right	18.56	17.45	/	18.86	17.65	/	<=30	Pass
		Outer_Full	18.49	17.70	/	18.79	17.90	/	<=30	Pass
		Inner_Full	18.52	17.62	/	18.82	17.82	/	<=30	Pass
		Inner_1RB_Left	19.25	17.93	/	19.55	18.13	/	<=30	Pass
		Inner_1RB_Right	18.47	17.50	/	18.77	17.70	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.29	17.86	/	19.59	18.06	/	<=30	Pass
		Edge_1RB_Right	18.54	17.48	/	18.84	17.68	/	<=30	Pass
		Outer_Full	18.54	17.75	/	18.84	17.95	/	<=30	Pass
		Inner_Full	18.46	17.50	/	18.76	17.70	/	<=30	Pass
		Inner_1RB_Left	19.26	17.81	/	19.56	18.01	/	<=30	Pass
		Inner_1RB_Right	18.53	17.39	/	18.83	17.59	/	<=30	Pass
	3499.98	Edge_1RB_Left	19.22	17.87	/	19.52	18.07	/	<=30	Pass
		Edge_1RB_Right	18.41	17.51	/	18.71	17.71	/	<=30	Pass
		Outer_Full	18.56	17.66	/	18.86	17.86	/	<=30	Pass
		Inner_Full	18.48	17.77	/	18.78	17.97	/	<=30	Pass
		Inner_1RB_Left	19.28	17.85	/	19.58	18.05	/	<=30	Pass
		Inner_1RB_Right	18.40	17.37	/	18.7	17.57	/	<=30	Pass
Note1: Antenna Gain: Ant3: 0.20dBi; Ant7: 0.30dBi; Note2: EIRP=Conducted Power+Antenna Gain										

5G NR n77d SCS=30kHz MIMO 100MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3500.01	Edge_1RB_Left	18.41	19.52	22.01	18.61	19.82	22.27	<=30	Pass
		Edge_1RB_Right	17.04	19.88	21.70	17.24	20.18	21.96	<=30	Pass
		Outer_Full	18.49	20.16	22.42	18.69	20.46	22.67	<=30	Pass
		Inner_Full	20.02	21.88	24.06	20.22	22.18	24.32	<=30	Pass
		Inner_1RB_Left	20.34	21.26	23.84	20.54	21.56	24.09	<=30	Pass
		Inner_1RB_Right	19.18	21.96	23.80	19.38	22.26	24.06	<=30	Pass
	3500.01	Edge_1RB_Left	18.40	19.29	21.88	18.60	19.59	22.13	<=30	Pass
		Edge_1RB_Right	17.14	19.83	21.70	17.34	20.13	21.97	<=30	Pass
		Outer_Full	18.45	20.22	22.44	18.65	20.52	22.70	<=30	Pass
		Inner_Full	19.99	21.86	24.03	20.19	22.16	24.30	<=30	Pass
		Inner_1RB_Left	20.24	21.24	23.78	20.44	21.54	24.04	<=30	Pass
		Inner_1RB_Right	19.16	21.71	23.63	19.36	22.01	23.89	<=30	Pass
	3499.98	Edge_1RB_Left	18.38	19.17	21.80	18.58	19.47	22.06	<=30	Pass
		Edge_1RB_Right	17.14	19.62	21.56	17.34	19.92	21.83	<=30	Pass
		Outer_Full	18.46	20.09	22.36	18.66	20.39	22.62	<=30	Pass
		Inner_Full	19.95	21.81	23.99	20.15	22.11	24.25	<=30	Pass
		Inner_1RB_Left	20.28	21.27	23.81	20.48	21.57	24.07	<=30	Pass
		Inner_1RB_Right	19.04	21.83	23.67	19.24	22.13	23.93	<=30	Pass

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

2. Frequency Stability

2.1 30k_SISO_100MHz

2.1.1 Test Result

5G NR n77d 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	3500.01	Outer_Full	20	LV	-14.90	-0.0043	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-13.20	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-12.20	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-13.00	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-18.80	-0.0054	>=-2.5 & <=2.5	Pass
			30	NV	-11.90	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-12.50	-0.0036	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-10.80	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-11.10	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-14.00	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-13.00	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-12.80	-0.0037	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-18.70	-0.0053	>=-2.5 & <=2.5	Pass
				HV	-16.70	-0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-20.20	-0.0058	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-15.80	-0.0045	>=-2.5 & <=2.5	Pass
			0	NV	-14.50	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-12.90	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-15.10	-0.0043	>=-2.5 & <=2.5	Pass
			30	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-11.80	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-16.70	-0.0048	>=-2.5 & <=2.5	Pass
				HV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-10.90	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-16.60	-0.0047	>=-2.5 & <=2.5	Pass
			0	NV	-11.60	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-18.20	-0.0052	>=-2.5 & <=2.5	Pass
			20	NV	-12.80	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-10.40	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-12.30	-0.0035	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	NV	-13.20	-0.0038	>=-2.5 & <=2.5	Pass
				LV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-13.90	-0.0040	>=-2.5 & <=2.5	Pass

			-30	NV	-1.70	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-15.80	-0.0045	>=-2.5 & <=2.5	Pass
			-10	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-13.60	-0.0039	>=-2.5 & <=2.5	Pass
			10	NV	-16.70	-0.0048	>=-2.5 & <=2.5	Pass
			20	NV	-17.60	-0.0050	>=-2.5 & <=2.5	Pass
			30	NV	-11.90	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-13.70	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-13.20	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-13.40	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-13.80	-0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-14.60	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-16.00	-0.0046	>=-2.5 & <=2.5	Pass
			20	NV	-11.60	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-18.00	-0.0051	>=-2.5 & <=2.5	Pass
			40	NV	-11.70	-0.0033	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-13.60	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-14.00	-0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	1.10	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-15.10	-0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-13.70	-0.0039	>=-2.5 & <=2.5	Pass
			20	NV	-12.20	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	-15.10	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-12.00	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-13.60	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-13.30	-0.0038	>=-2.5 & <=2.5	Pass
			40	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-12.10	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-11.60	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-15.40	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	-11.80	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-11.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-12.30	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass

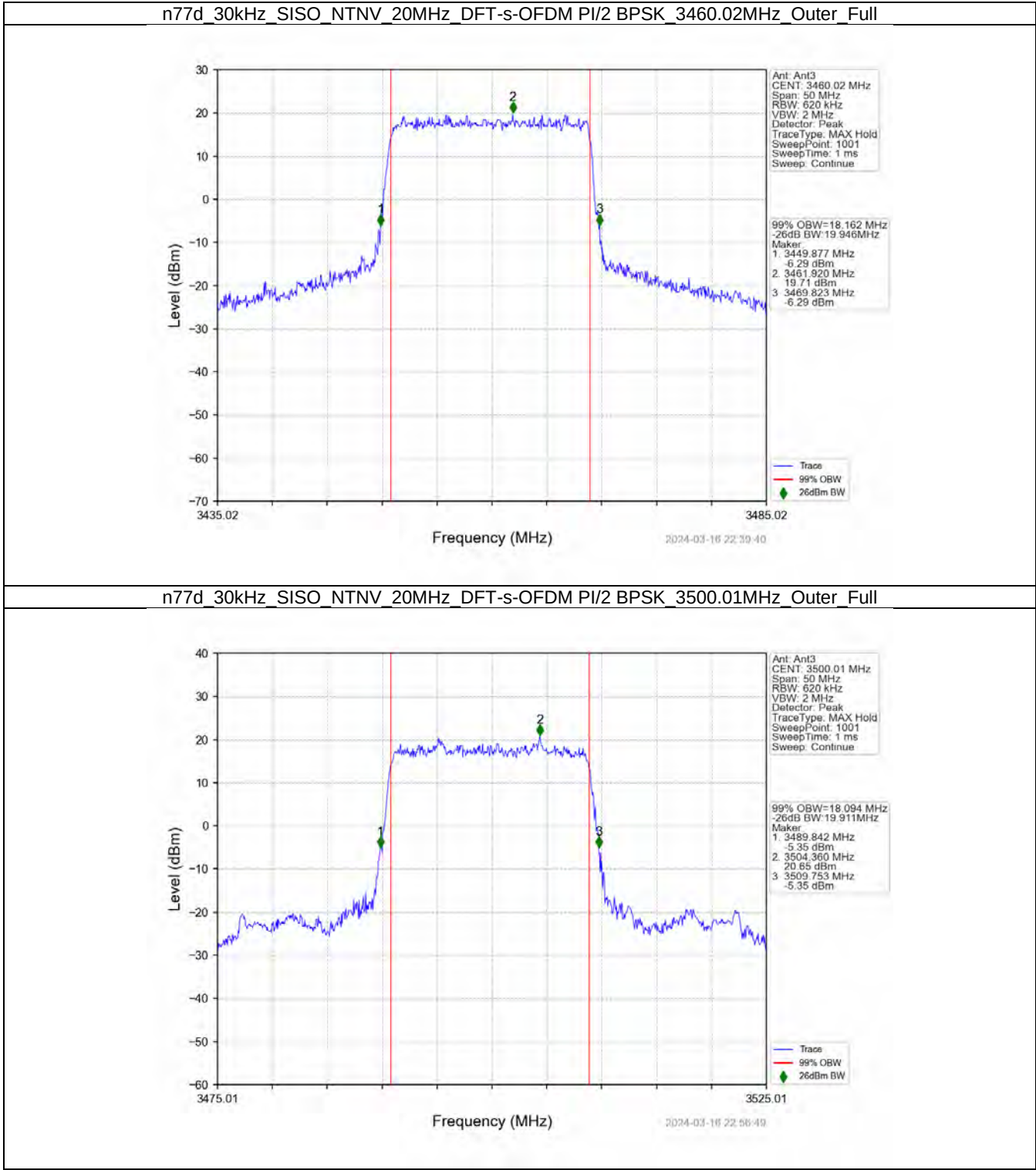
3. 99% & 26dB Bandwidth

3.1 30k_SISO_20MHz_NTNV

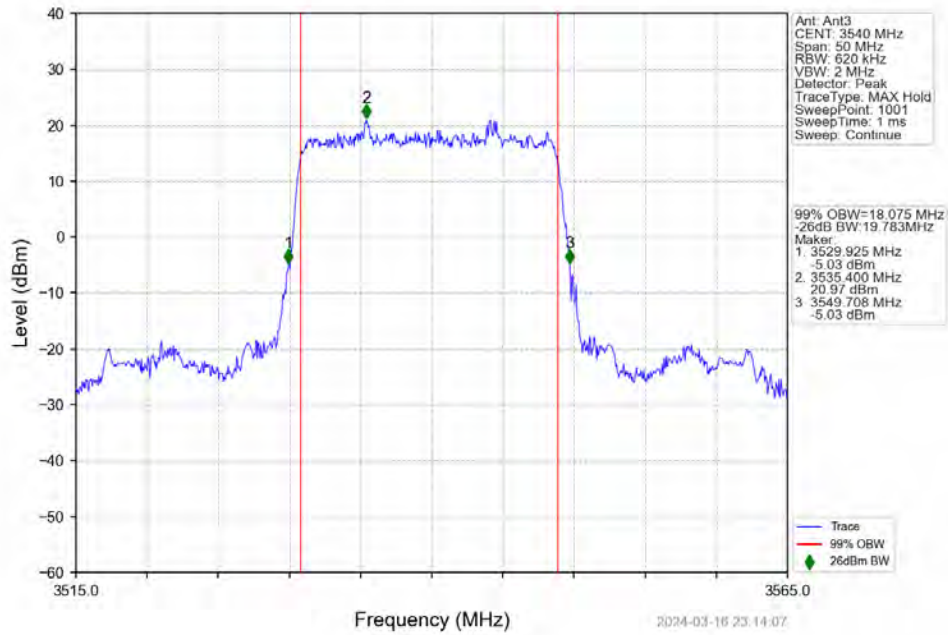
3.1.1 Test Result

5G NR n77d 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	3460.02	Outer_Full	18.16	19.95	/	Pass
	3500.01	Outer_Full	18.09	19.91	/	Pass
	3540	Outer_Full	18.07	19.78	/	Pass
DFT-s-OFDM QPSK	3460.02	Outer_Full	18.14	20.05	/	Pass
	3500.01	Outer_Full	18.11	19.78	/	Pass
	3540	Outer_Full	18.13	19.85	/	Pass
DFT-s-OFDM 16 QAM	3460.02	Outer_Full	18.16	19.77	/	Pass
	3500.01	Outer_Full	18.14	19.71	/	Pass
	3540	Outer_Full	18.14	20.09	/	Pass
DFT-s-OFDM 64 QAM	3460.02	Outer_Full	18.13	20.04	/	Pass
	3500.01	Outer_Full	18.15	20.30	/	Pass
	3540	Outer_Full	18.09	19.91	/	Pass
DFT-s-OFDM 256 QAM	3460.02	Outer_Full	18.05	19.91	/	Pass
	3500.01	Outer_Full	18.07	20.14	/	Pass
	3540	Outer_Full	18.07	20.05	/	Pass
CP-OFDM QPSK	3460.02	Outer_Full	18.37	20.36	/	Pass
	3500.01	Outer_Full	18.46	20.57	/	Pass
	3540	Outer_Full	18.42	20.26	/	Pass
CP-OFDM 16 QAM	3460.02	Outer_Full	18.43	20.26	/	Pass
	3500.01	Outer_Full	18.43	20.43	/	Pass
	3540	Outer_Full	18.43	20.77	/	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	18.44	21.81	/	Pass
	3500.01	Outer_Full	18.44	22.19	/	Pass
	3540	Outer_Full	18.43	21.35	/	Pass
CP-OFDM 256 QAM	3460.02	Outer_Full	18.37	20.48	/	Pass
	3500.01	Outer_Full	18.37	20.39	/	Pass
	3540	Outer_Full	18.37	20.28	/	Pass

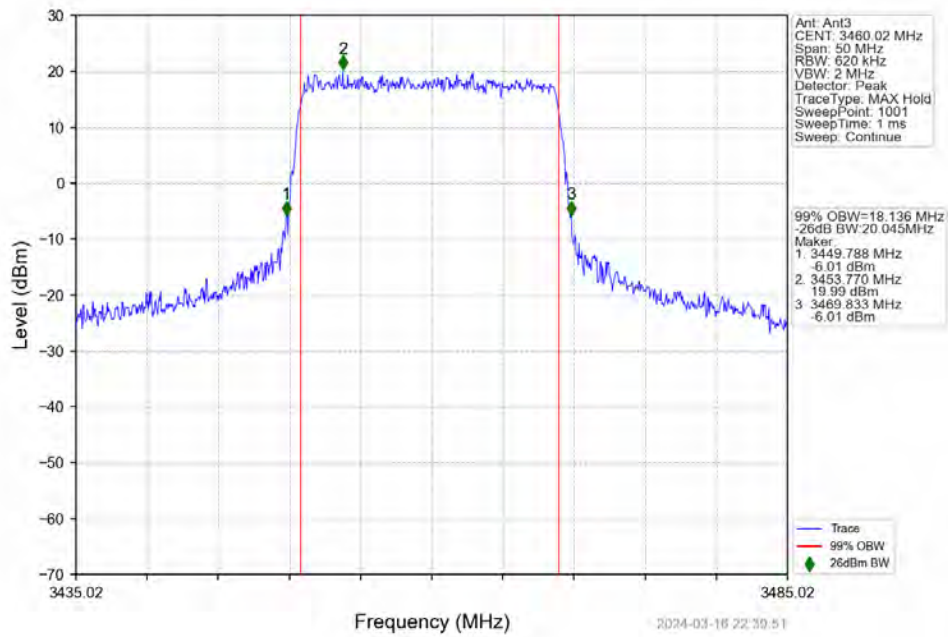
3.1.2 Test Graph



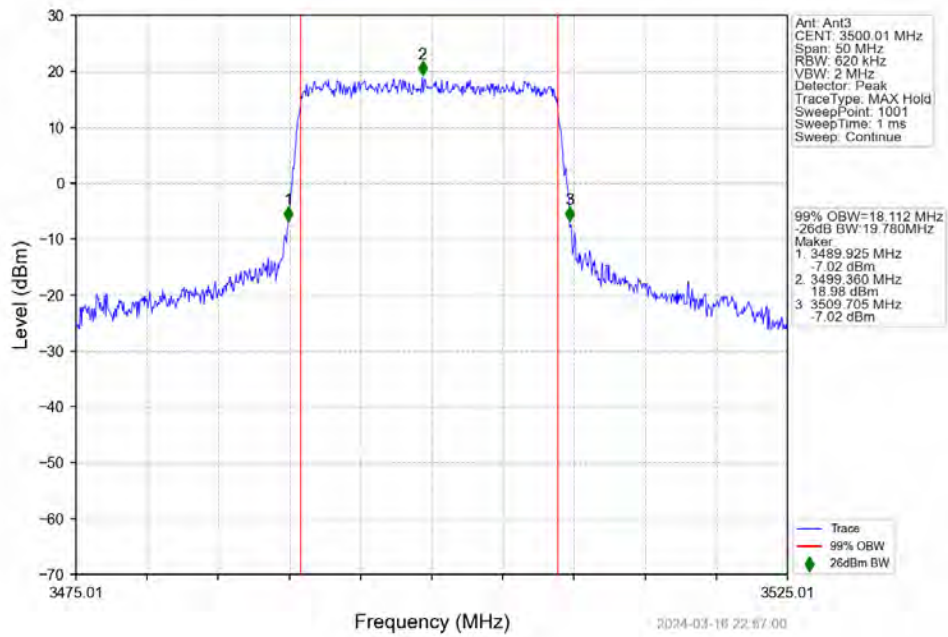
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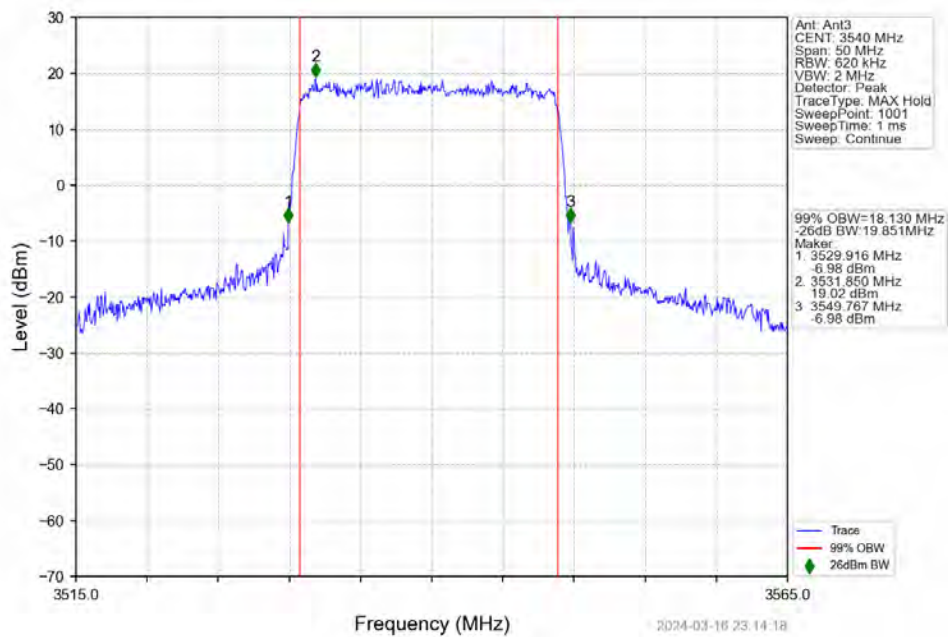
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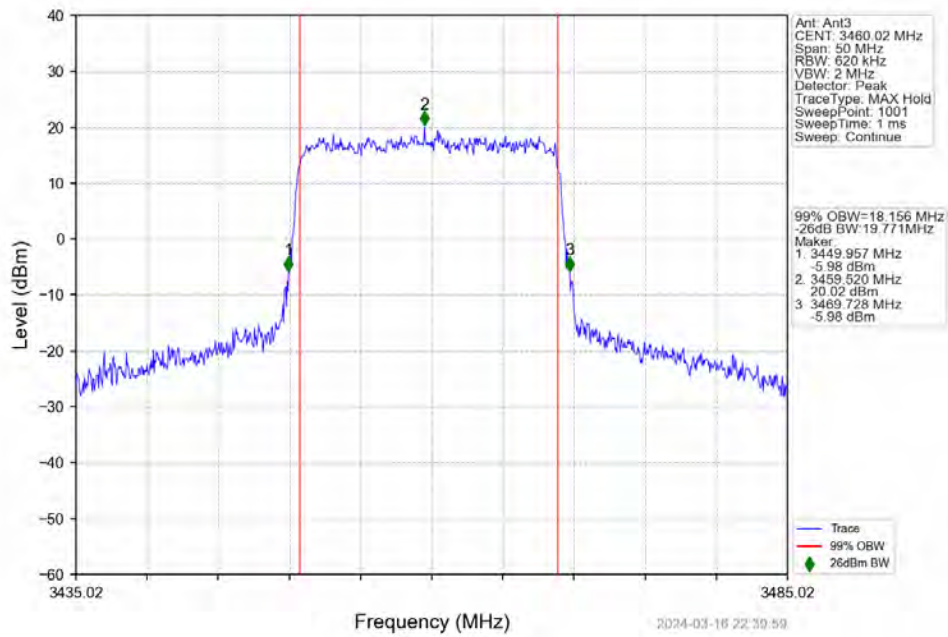
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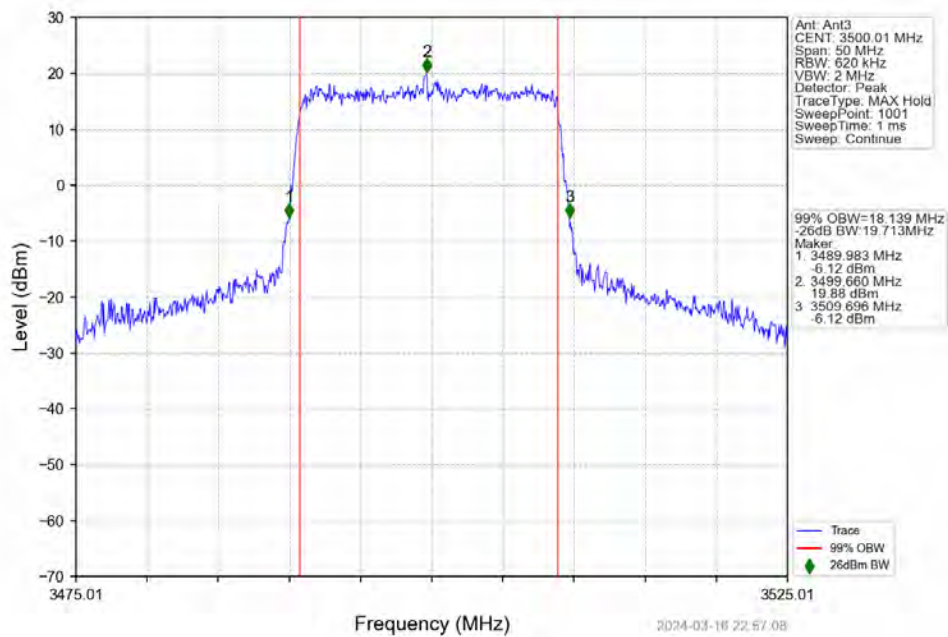
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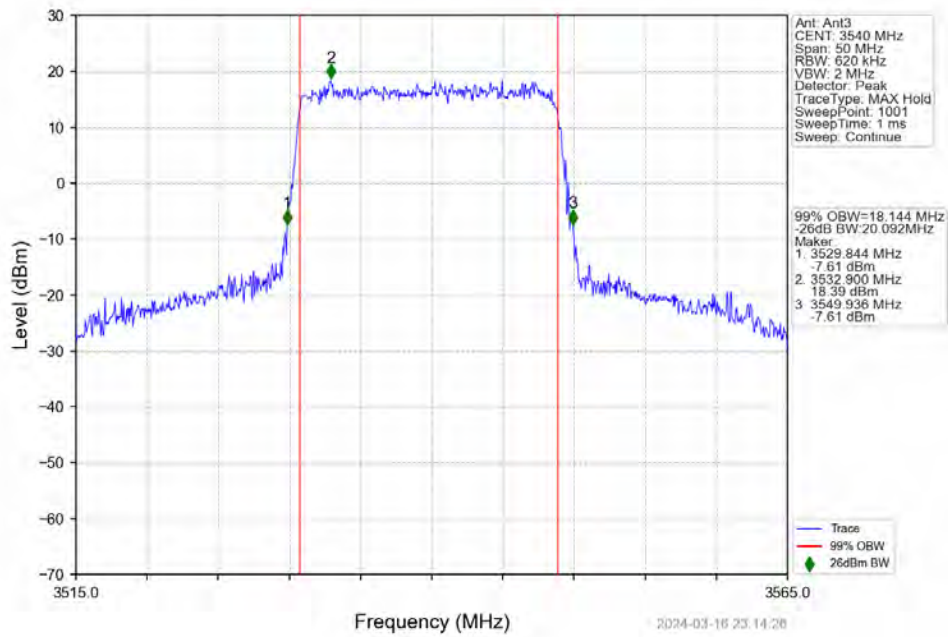
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3460.02MHz Outer Full



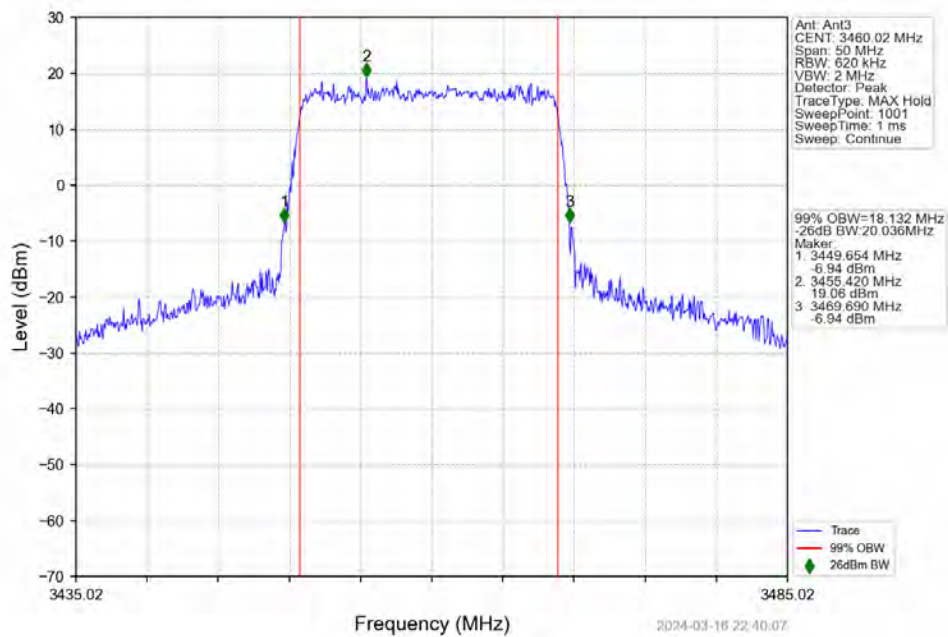
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full



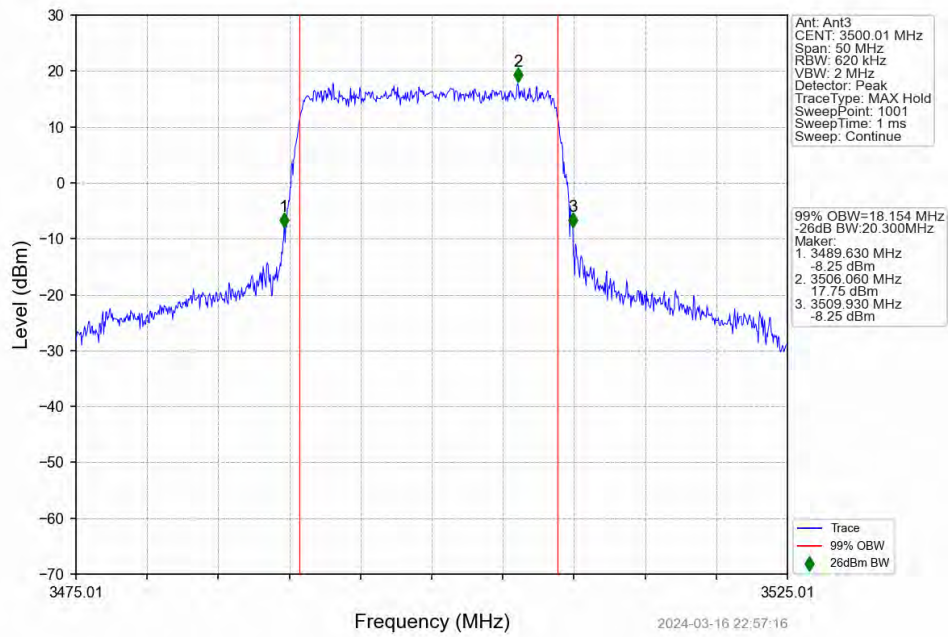
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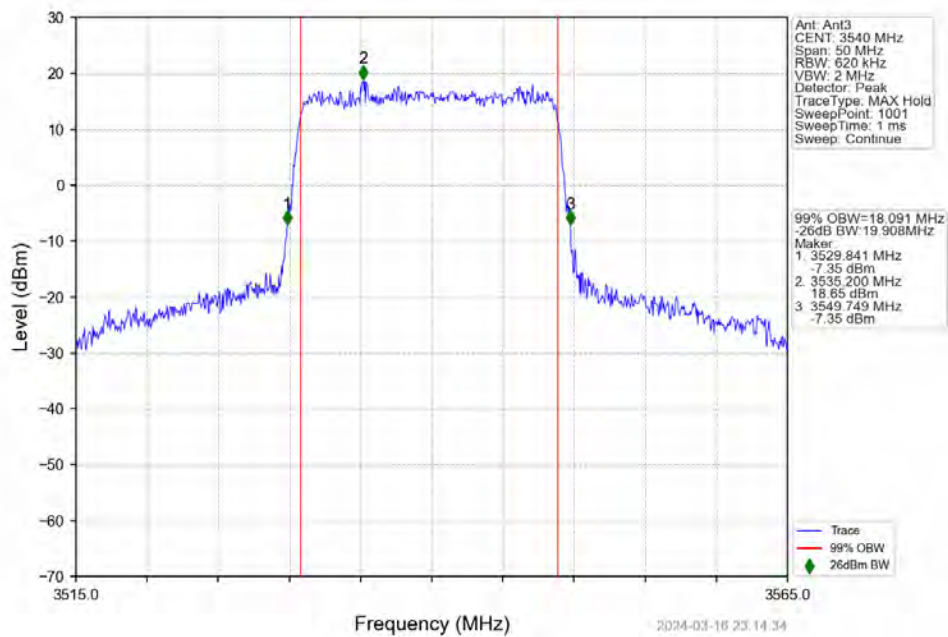
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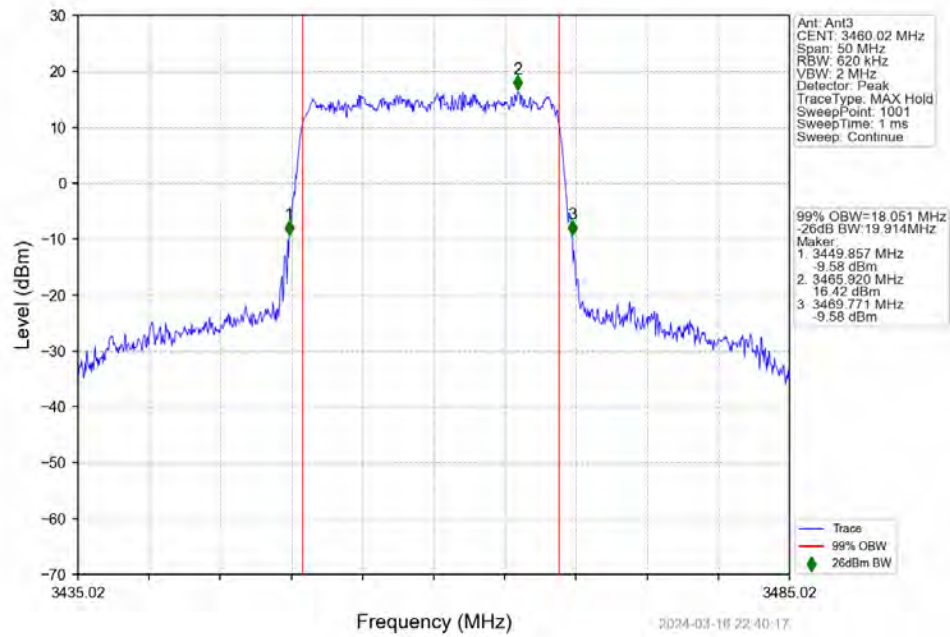
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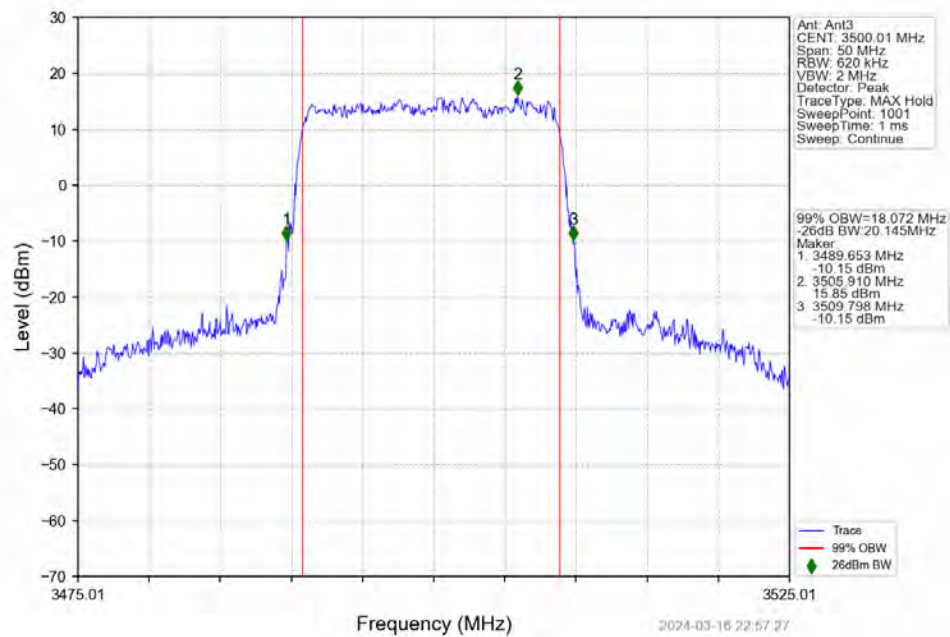
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 3540MHz Outer Full



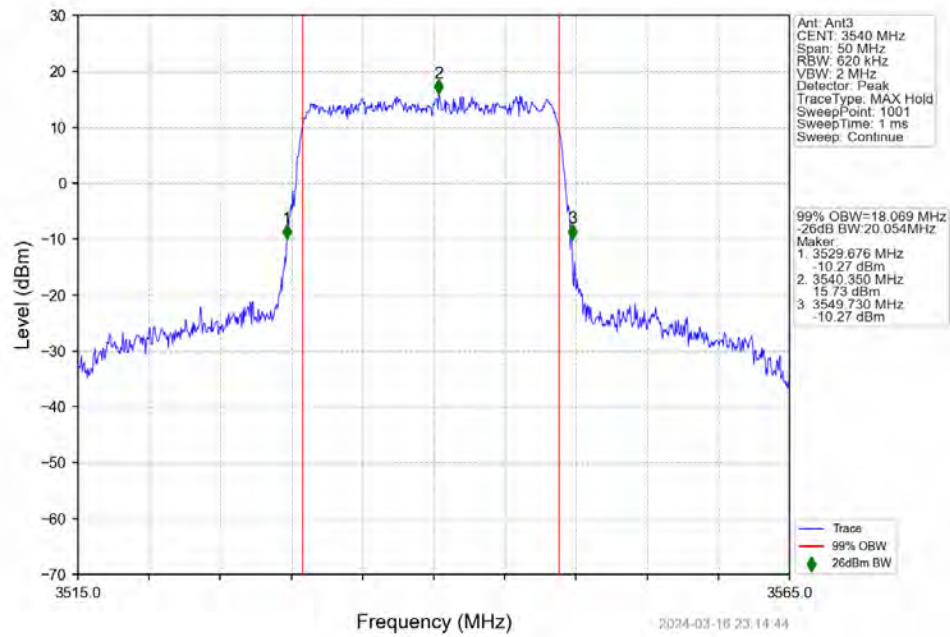
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3460.02MHz Outer Full



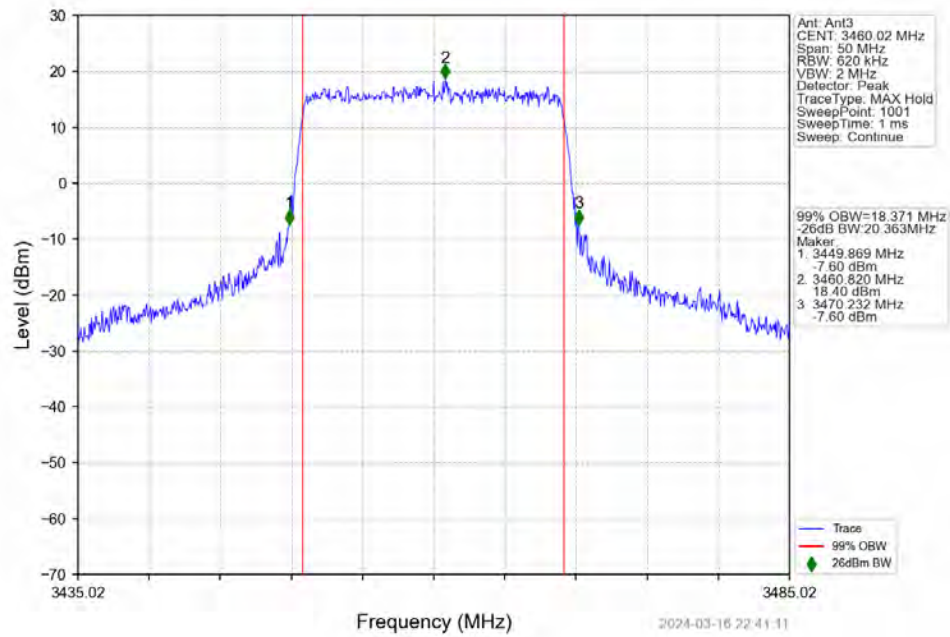
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full



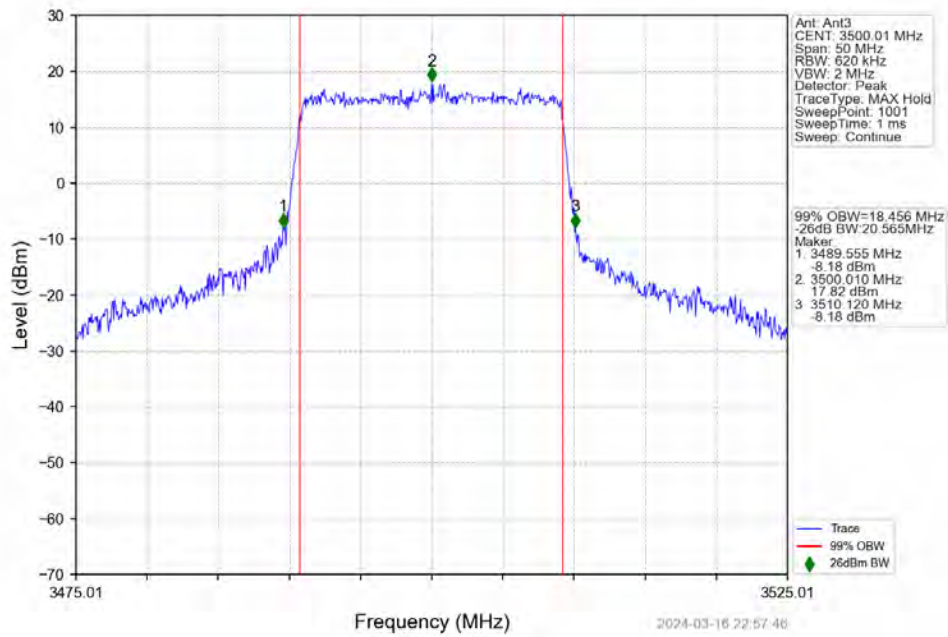
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3540MHz Outer Full



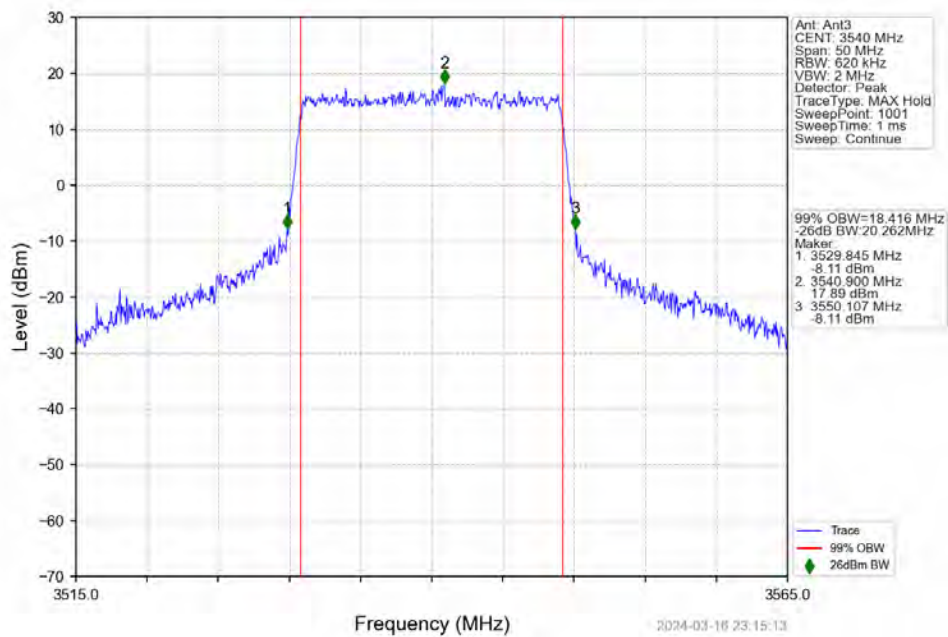
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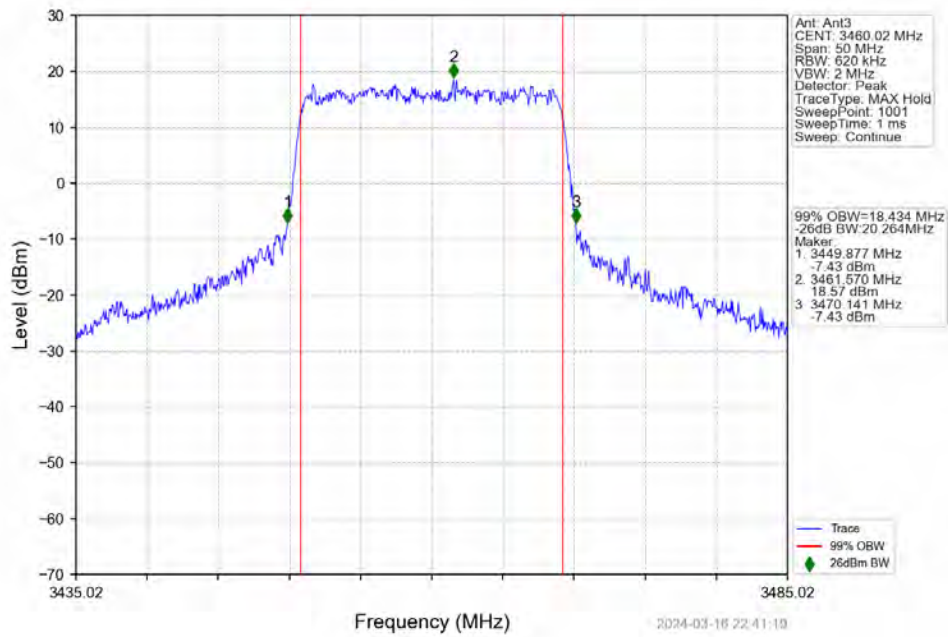
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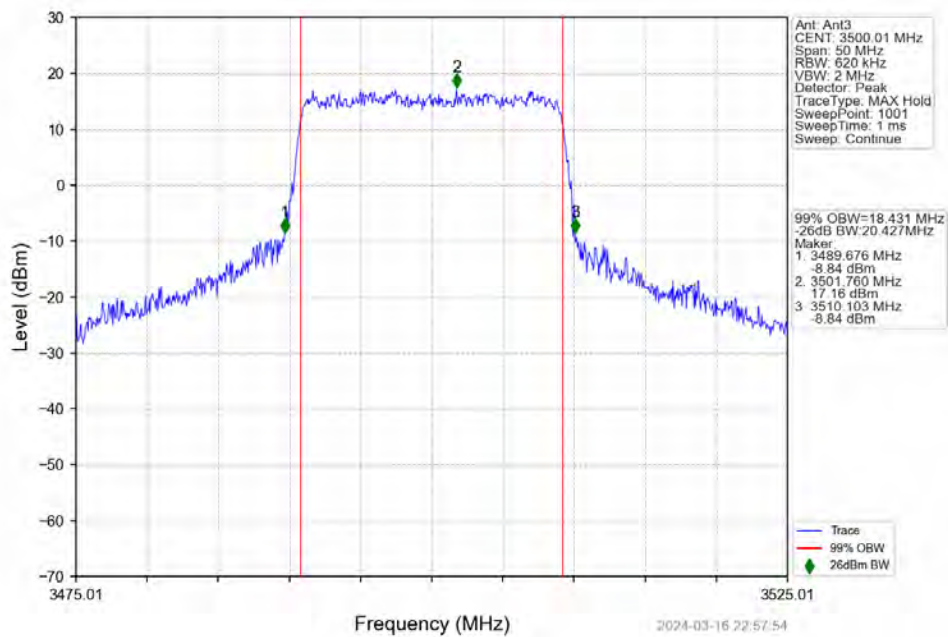
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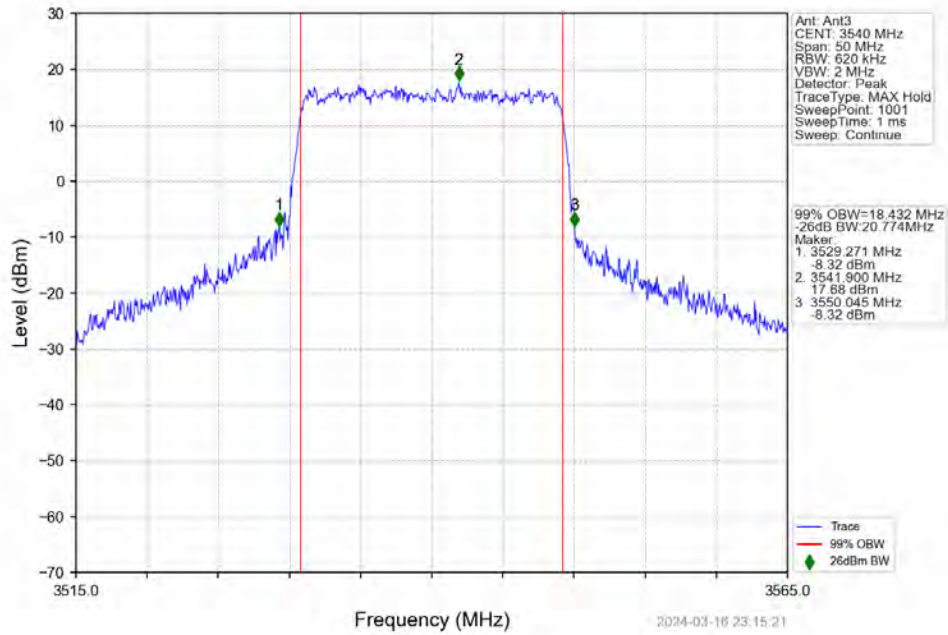
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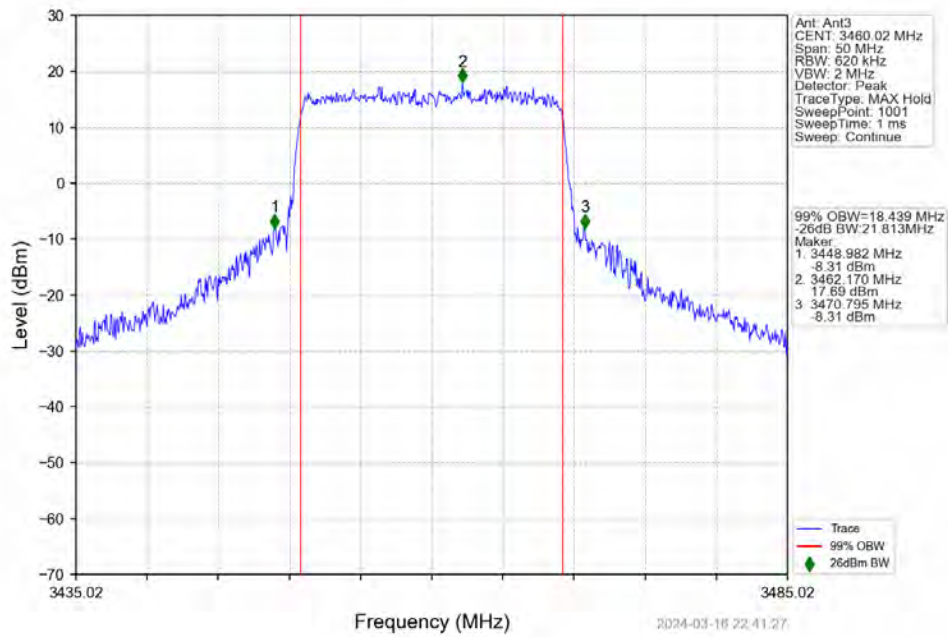
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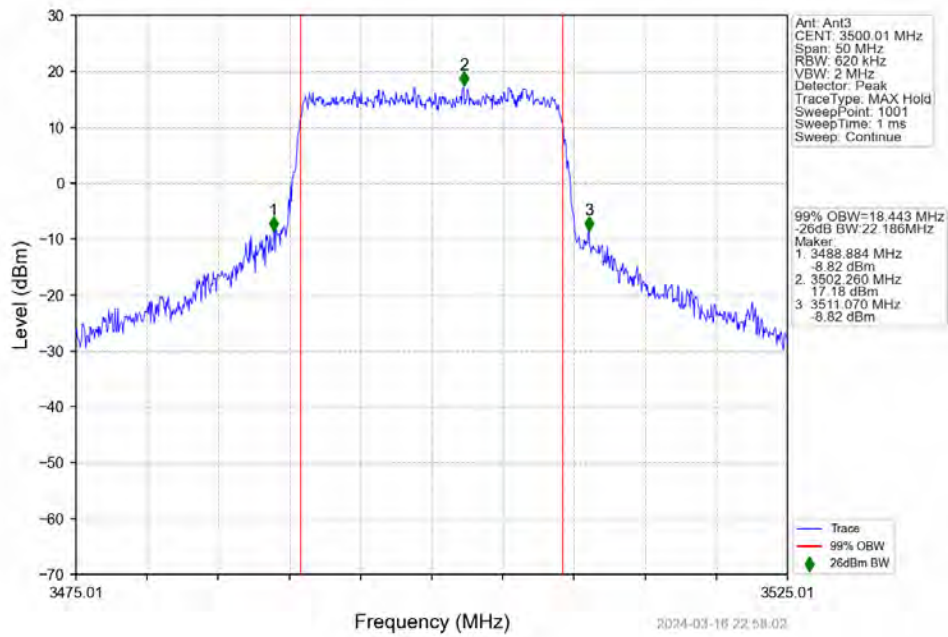
n77d 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3540MHz Outer Full



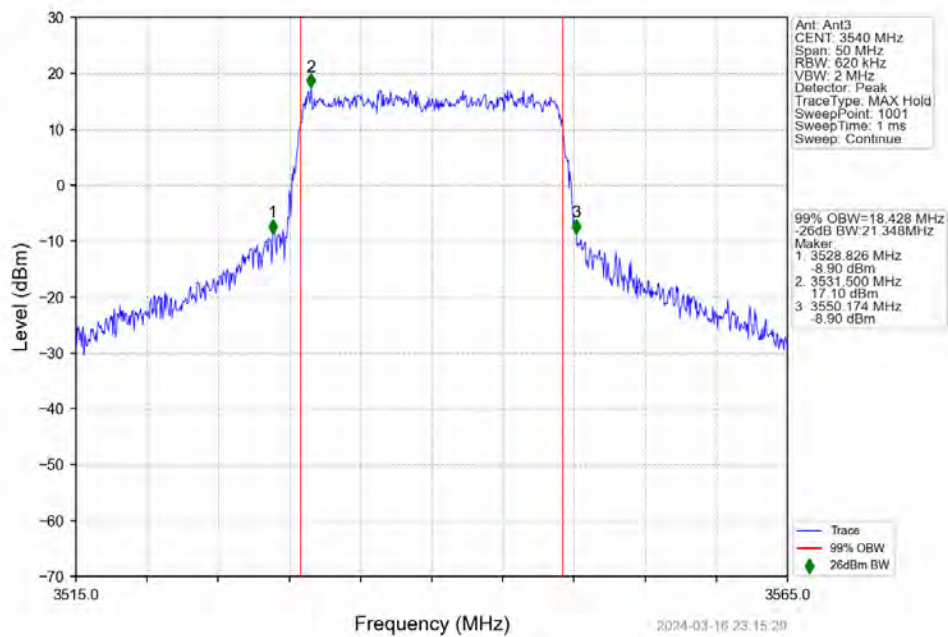
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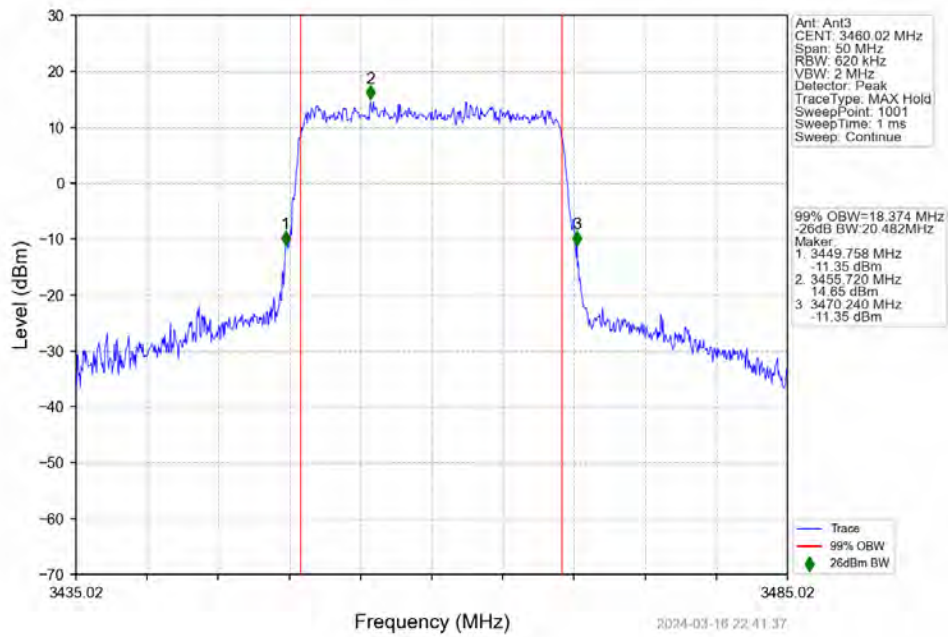
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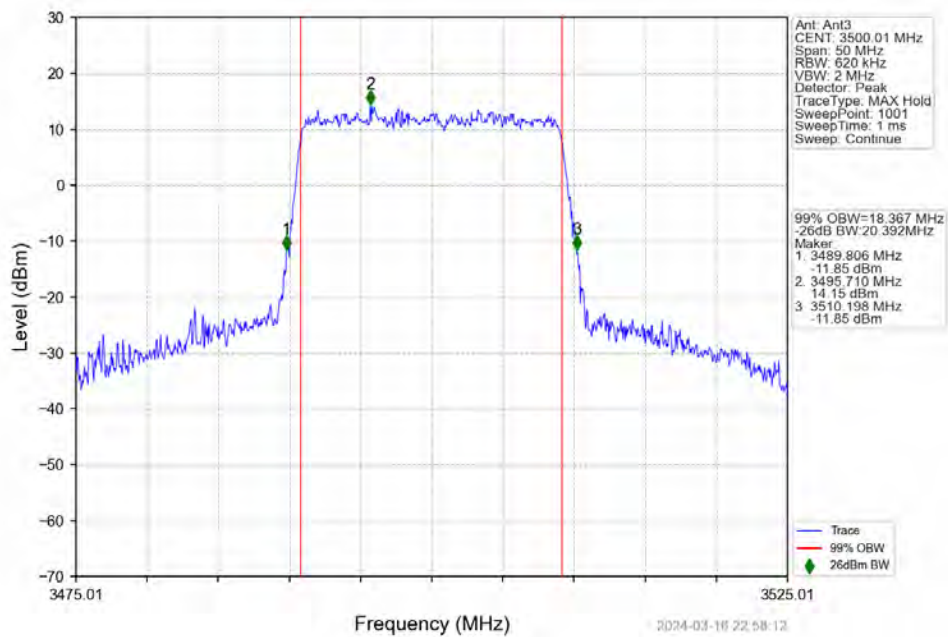
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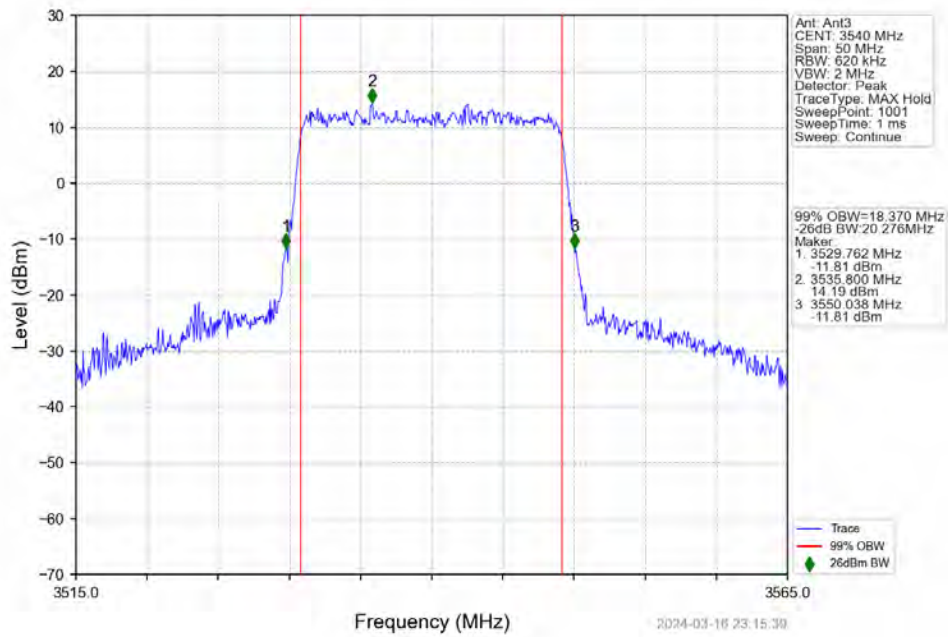
n77d 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3460.02MHz Outer Full



n77d 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3500.01MHz Outer Full



n77d 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3540MHz Outer Full

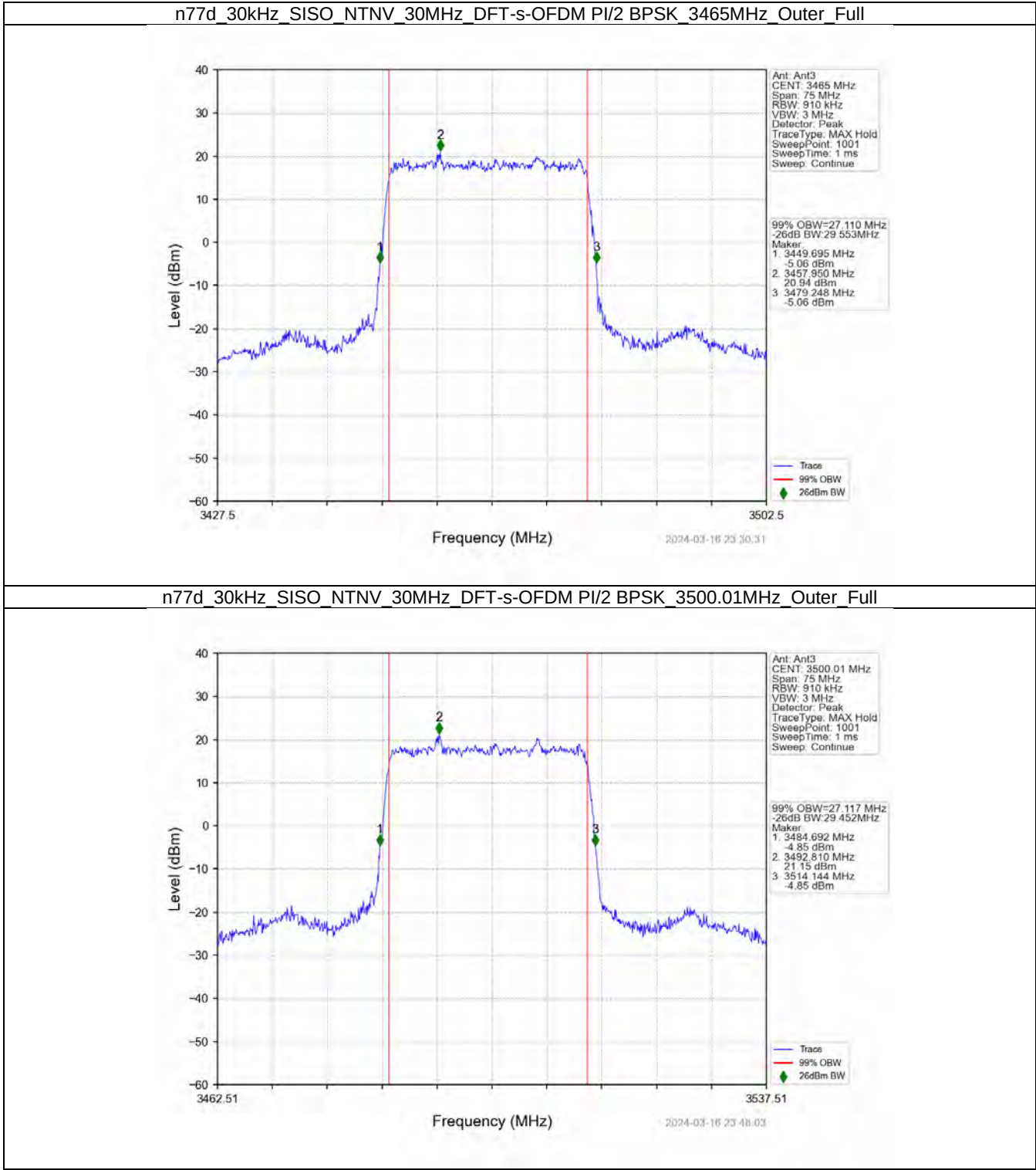


3.2 30k_SISO_30MHz_NTNV

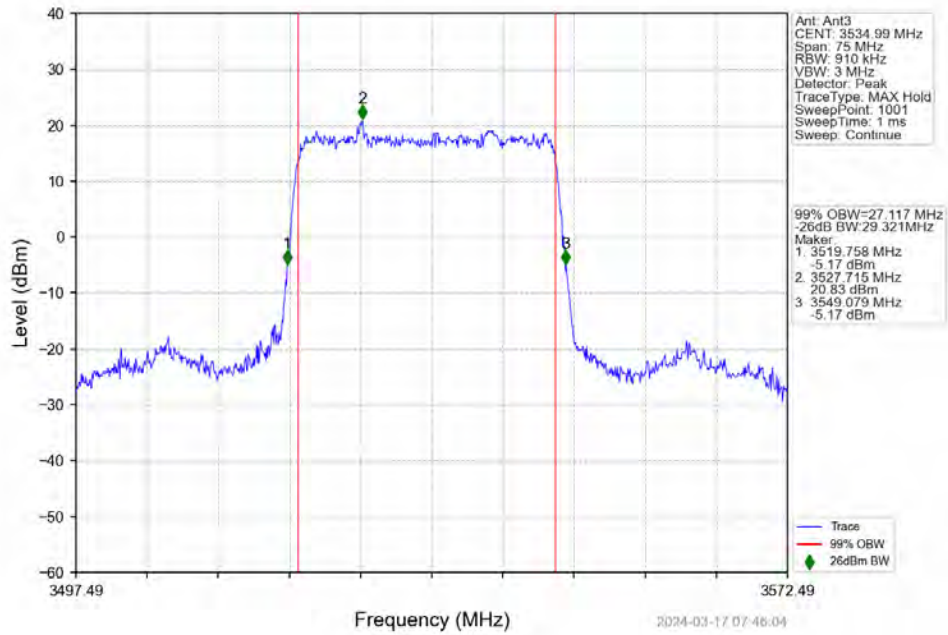
3.2.1 Test Result

5G NR n77d SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3465	Outer_Full	27.11	29.55	/	Pass
	3500.01	Outer_Full	27.12	29.45	/	Pass
	3534.99	Outer_Full	27.12	29.32	/	Pass
DFT-s-OFDM QPSK	3465	Outer_Full	27.11	29.50	/	Pass
	3500.01	Outer_Full	27.10	29.21	/	Pass
	3534.99	Outer_Full	27.14	29.43	/	Pass
DFT-s-OFDM 16 QAM	3465	Outer_Full	27.16	29.57	/	Pass
	3500.01	Outer_Full	27.10	29.55	/	Pass
	3534.99	Outer_Full	27.15	29.70	/	Pass
DFT-s-OFDM 64 QAM	3465	Outer_Full	27.15	29.43	/	Pass
	3500.01	Outer_Full	27.12	29.63	/	Pass
	3534.99	Outer_Full	27.13	29.38	/	Pass
DFT-s-OFDM 256 QAM	3465	Outer_Full	27.19	29.57	/	Pass
	3500.01	Outer_Full	27.19	29.63	/	Pass
	3534.99	Outer_Full	27.07	29.57	/	Pass
CP-OFDM QPSK	3465	Outer_Full	28.12	31.85	/	Pass
	3500.01	Outer_Full	28.15	32.37	/	Pass
	3534.99	Outer_Full	28.15	32.21	/	Pass
CP-OFDM 16 QAM	3465	Outer_Full	28.17	30.50	/	Pass
	3500.01	Outer_Full	28.18	30.72	/	Pass
	3534.99	Outer_Full	28.16	30.45	/	Pass
CP-OFDM 64 QAM	3465	Outer_Full	28.14	30.38	/	Pass
	3500.01	Outer_Full	28.15	30.63	/	Pass
	3534.99	Outer_Full	28.11	31.06	/	Pass
CP-OFDM 256 QAM	3465	Outer_Full	28.10	30.55	/	Pass
	3500.01	Outer_Full	28.14	30.50	/	Pass
	3534.99	Outer_Full	28.13	30.52	/	Pass

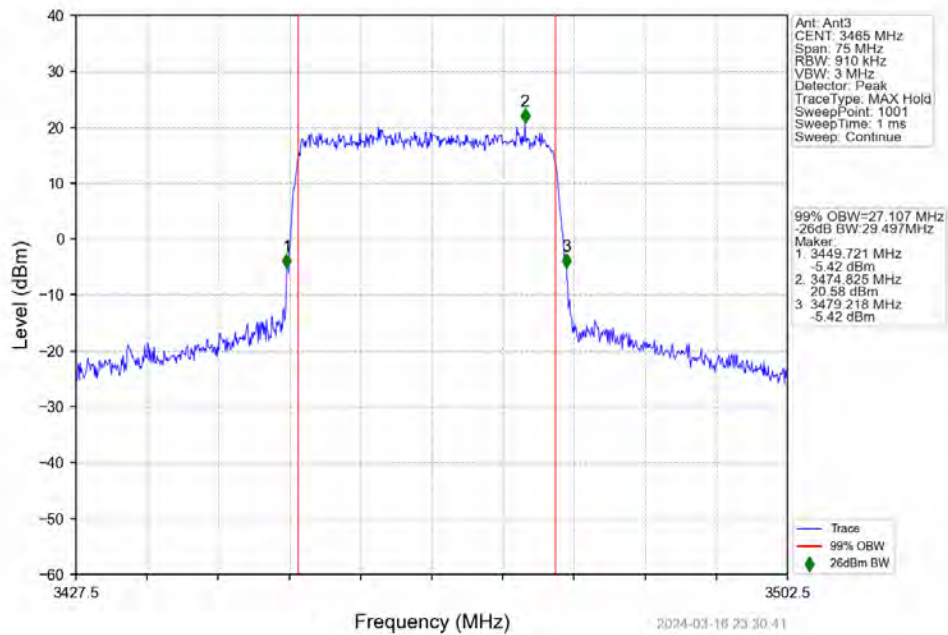
3.2.2 Test Graph



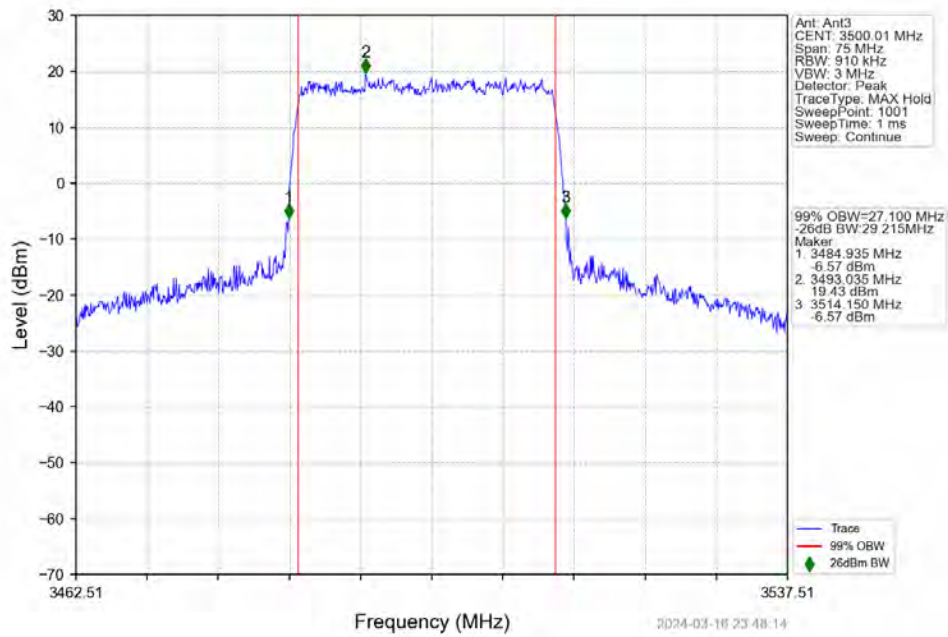
n77d 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz Outer Full



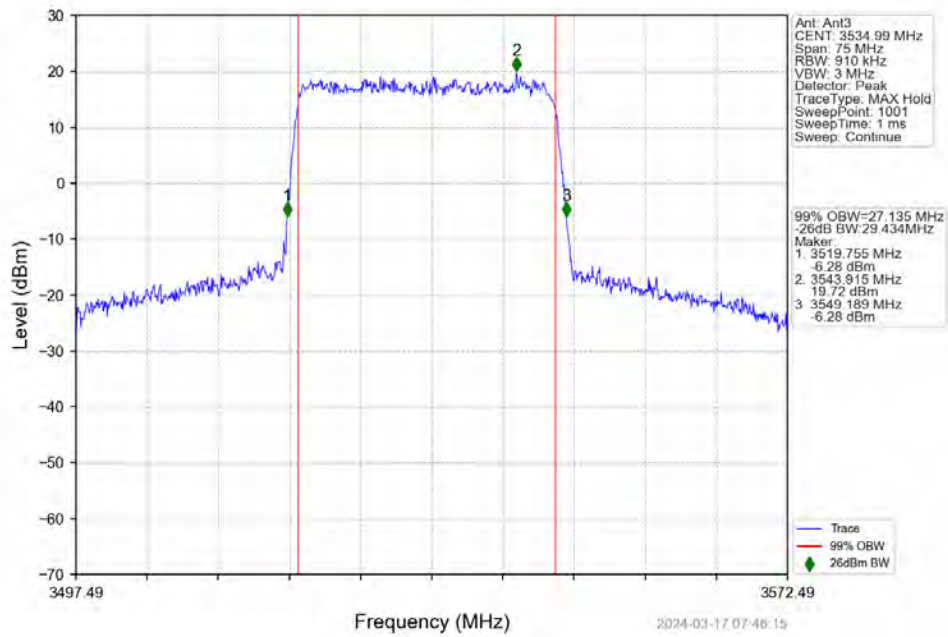
n77d 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3465MHz Outer Full



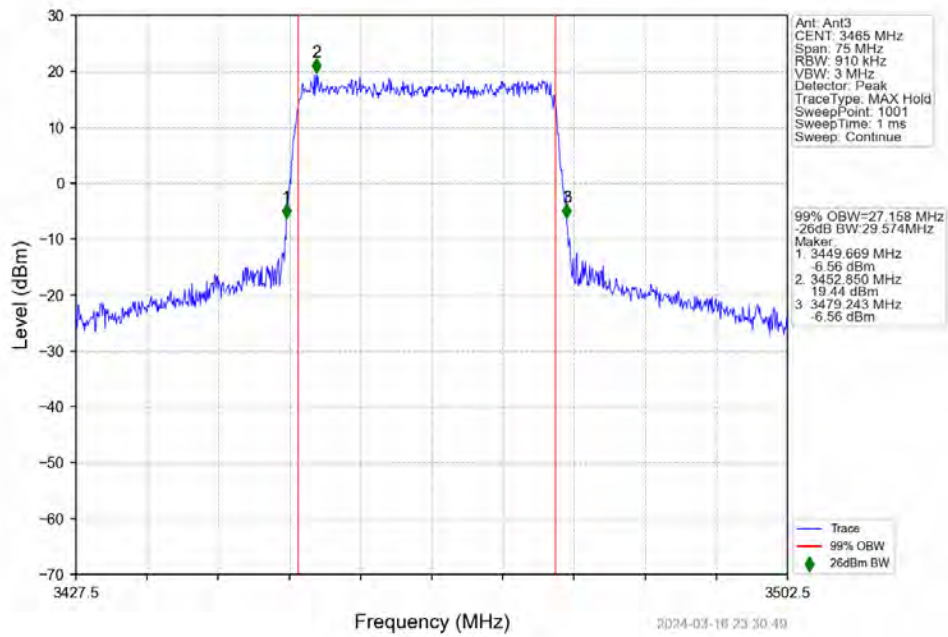
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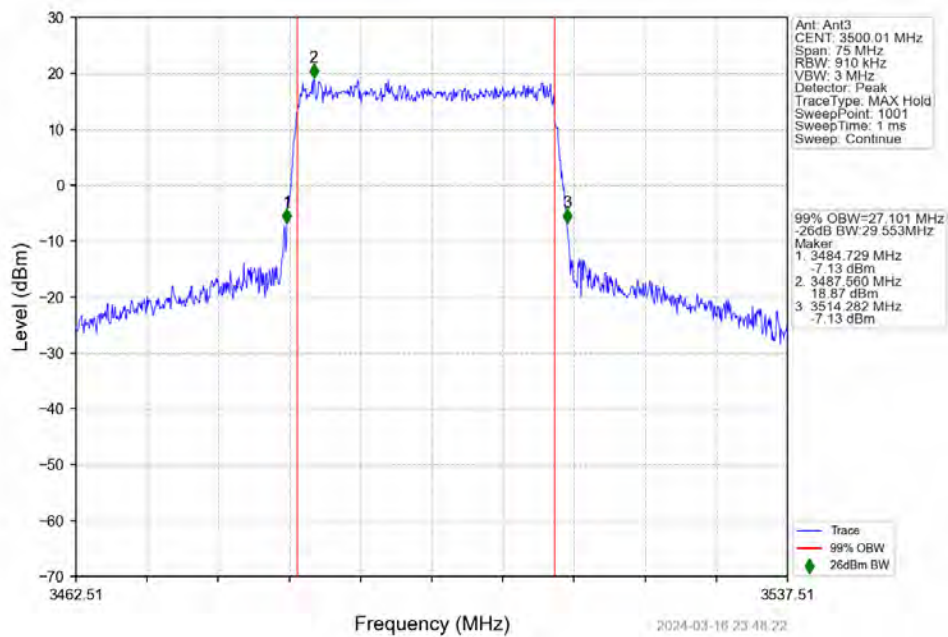
n77d 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3534.99MHz Outer Full



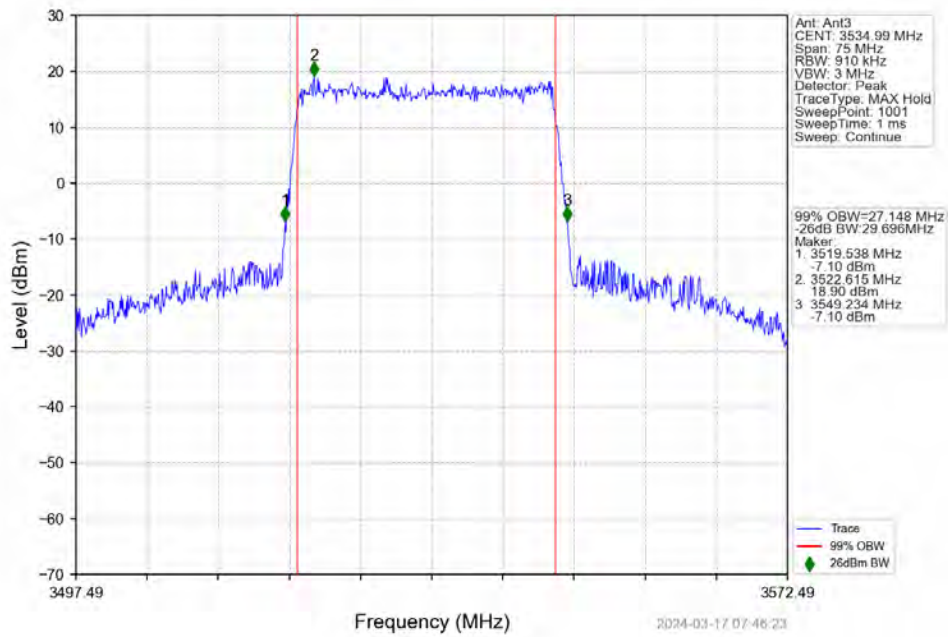
n77d 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 3465MHz Outer Full



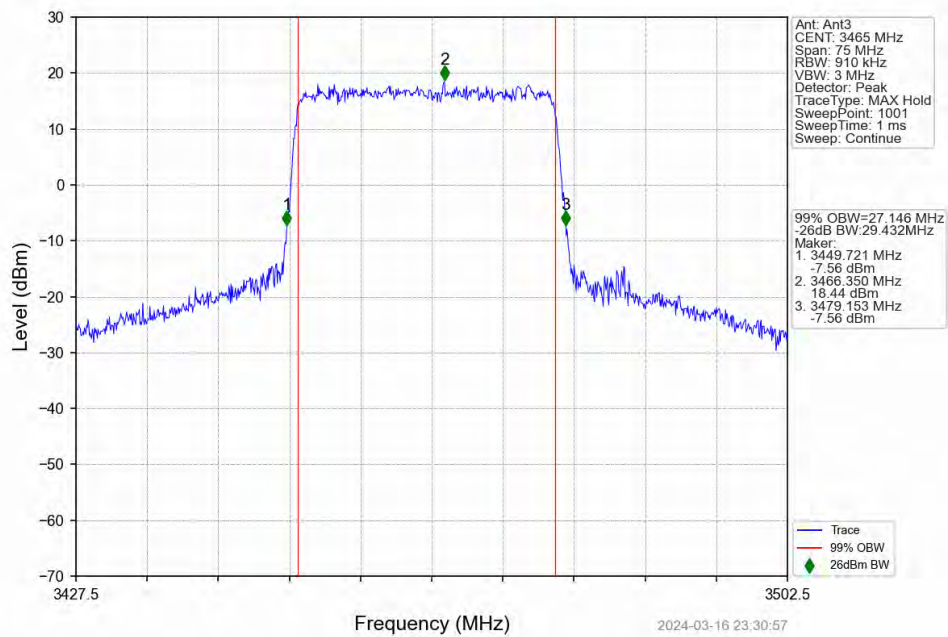
n77d 30kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full



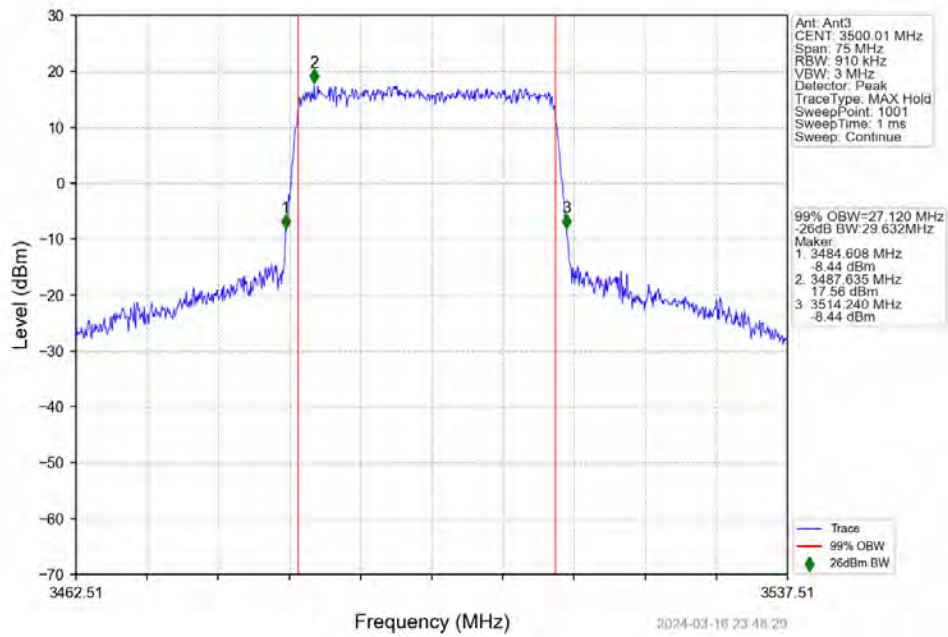
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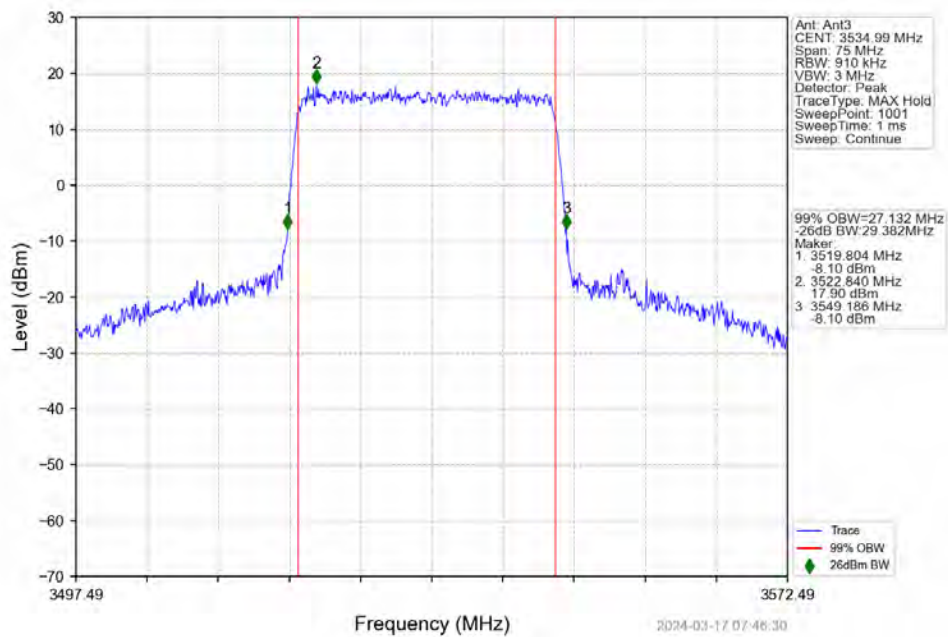
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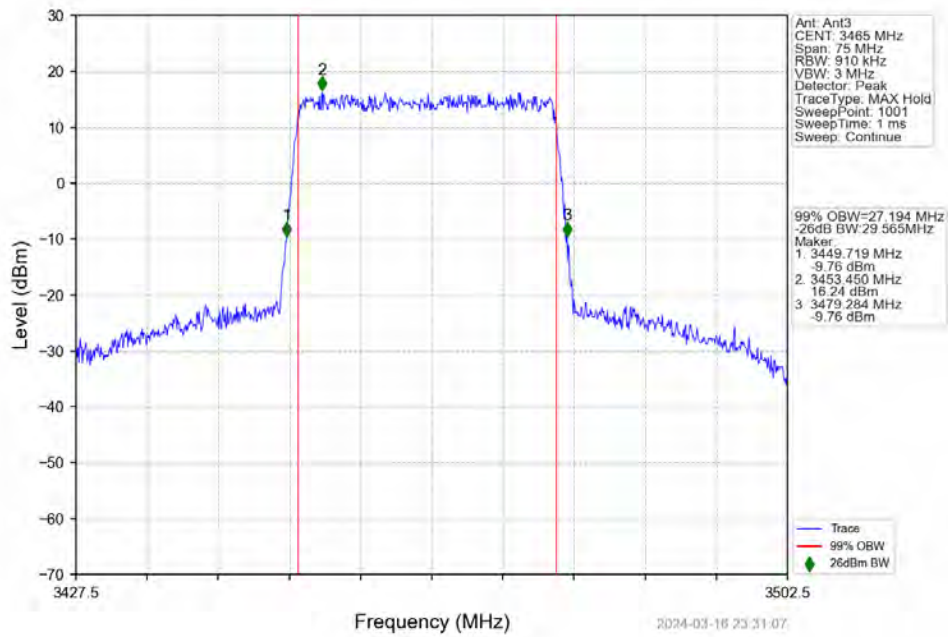
n77d 30kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full



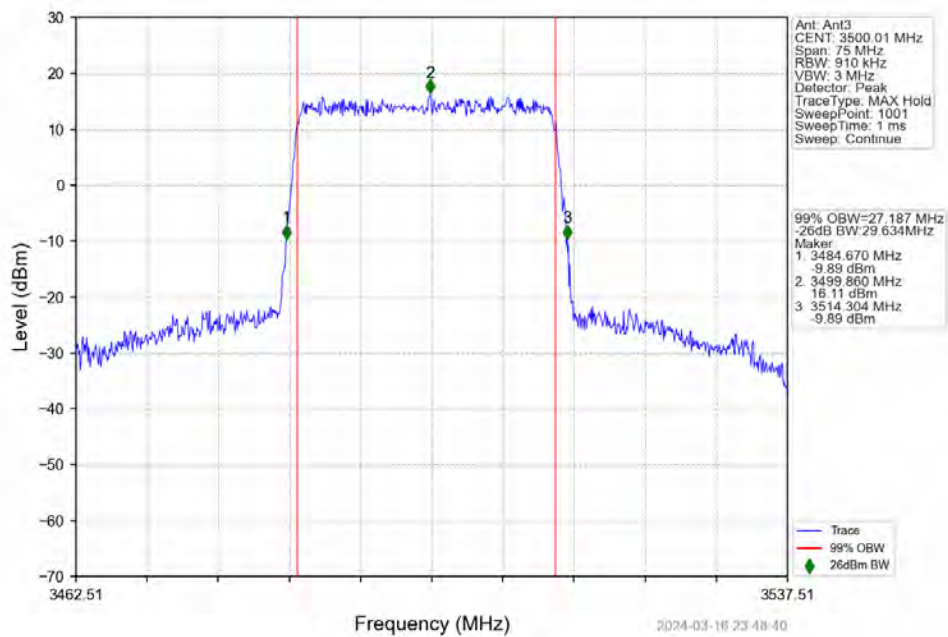
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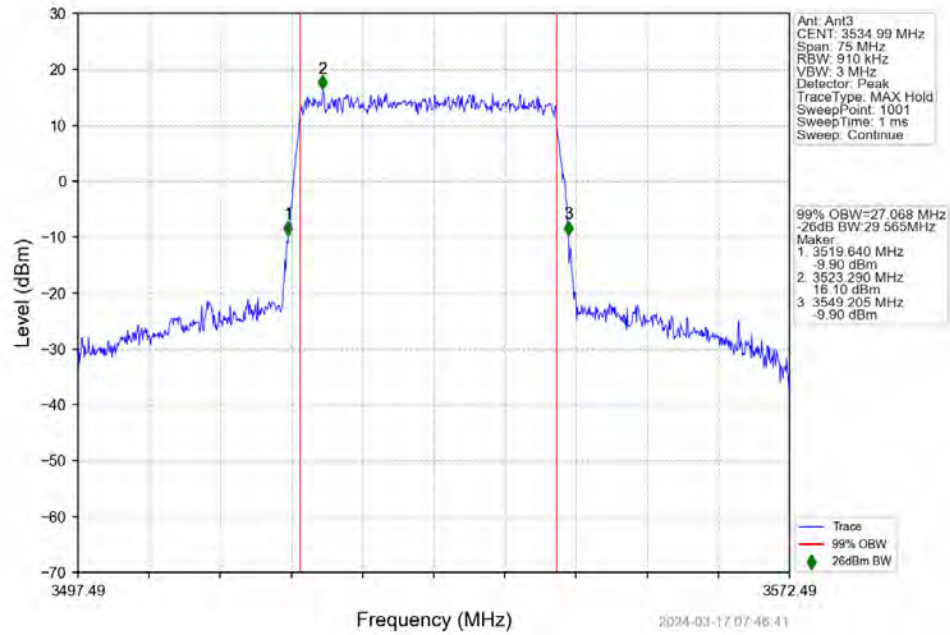
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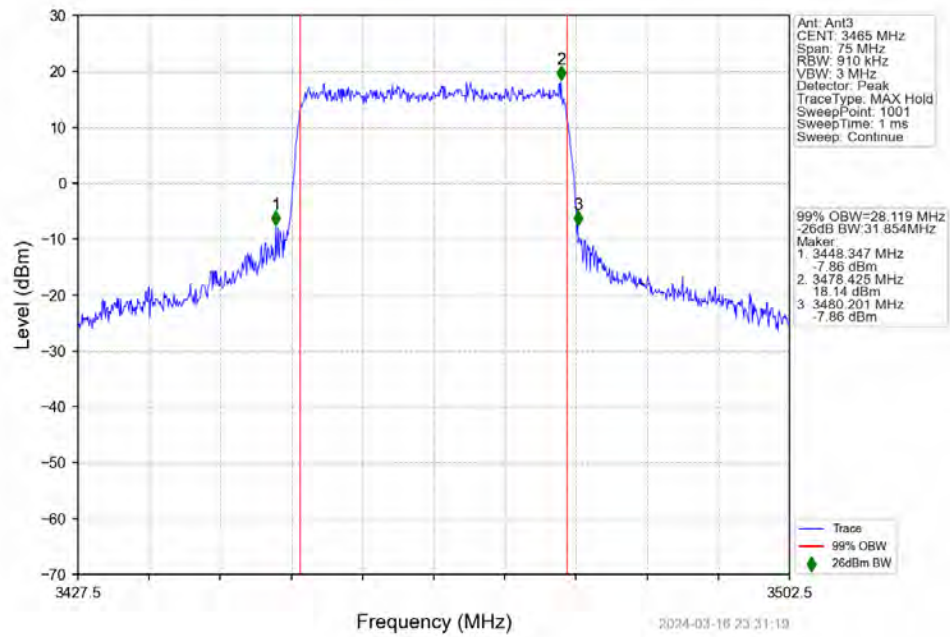
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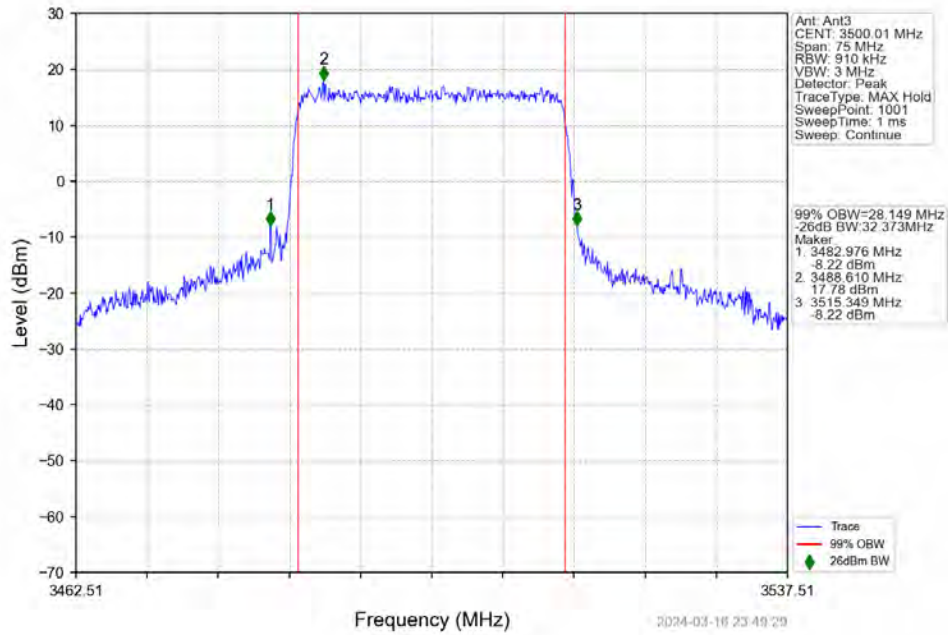
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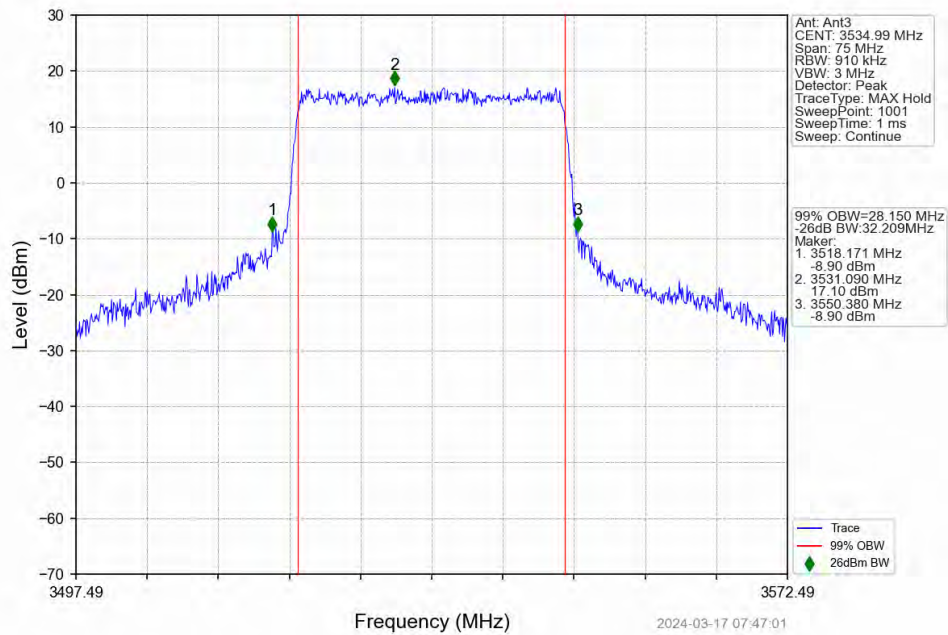
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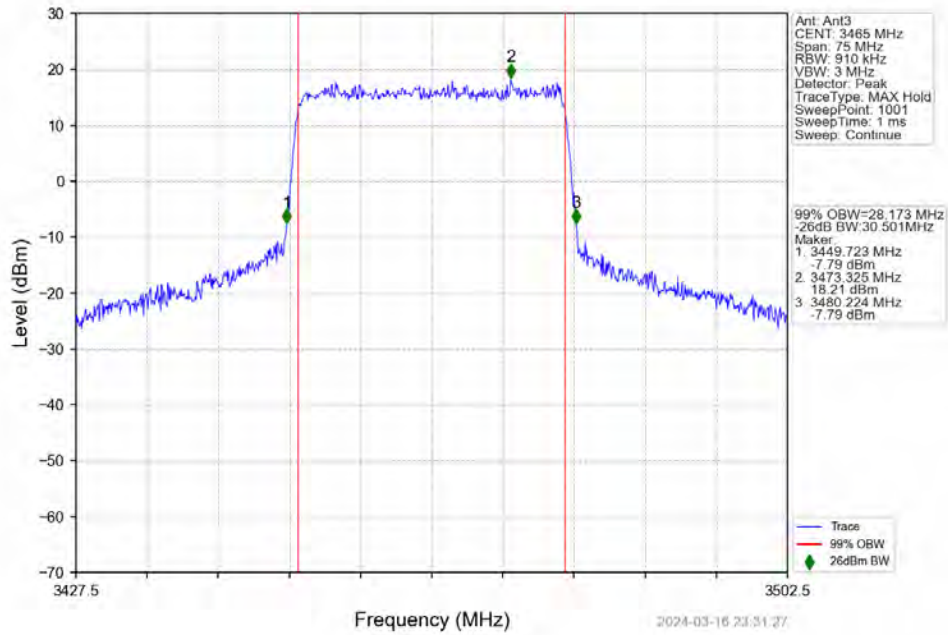
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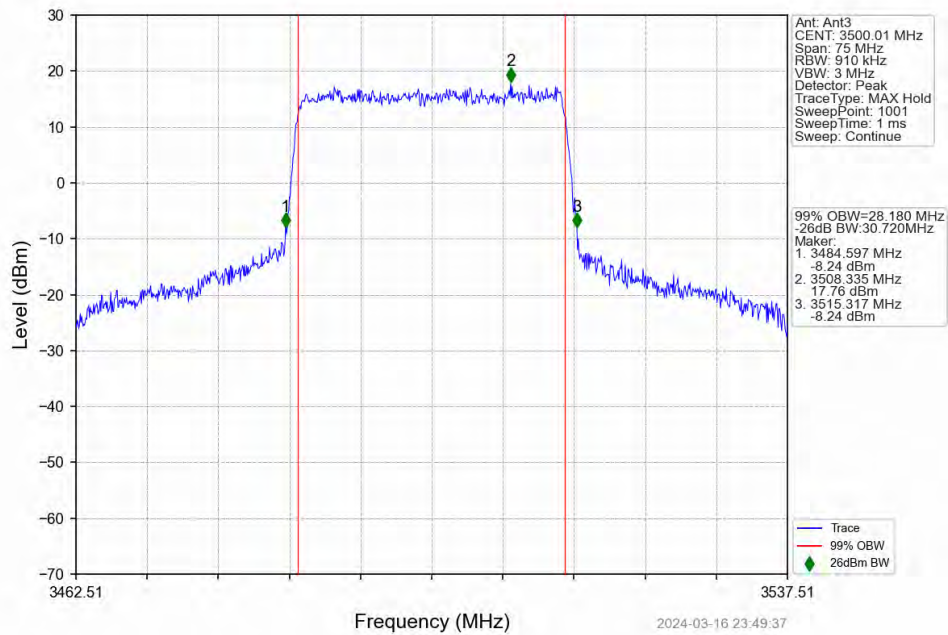
n77d 30kHz SISO NTN 30MHz CP-OFDM QPSK 3534.99MHz Outer Full



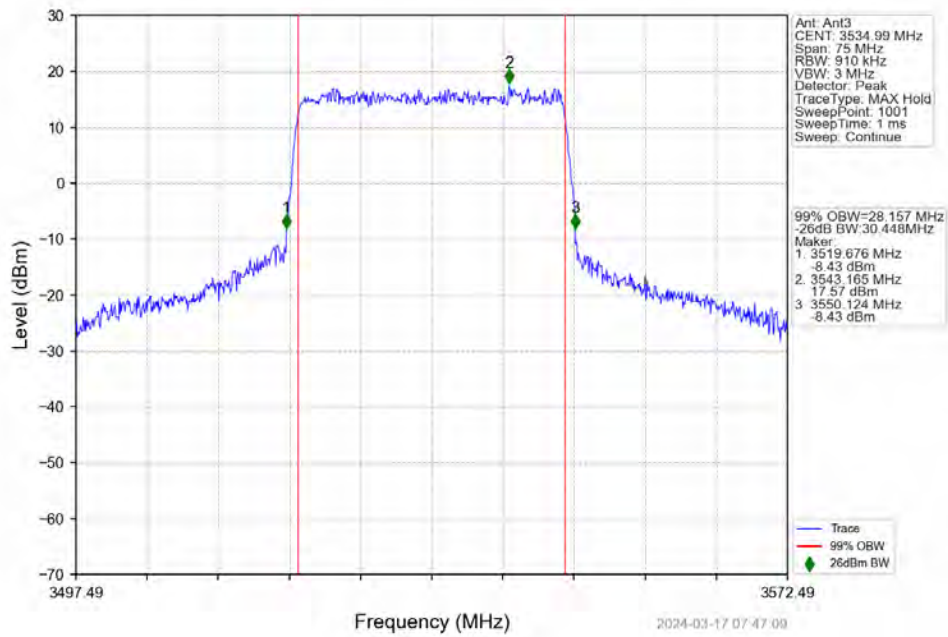
n77d 30kHz SISO NTN 30MHz CP-OFDM 16 QAM 3465MHz Outer Full



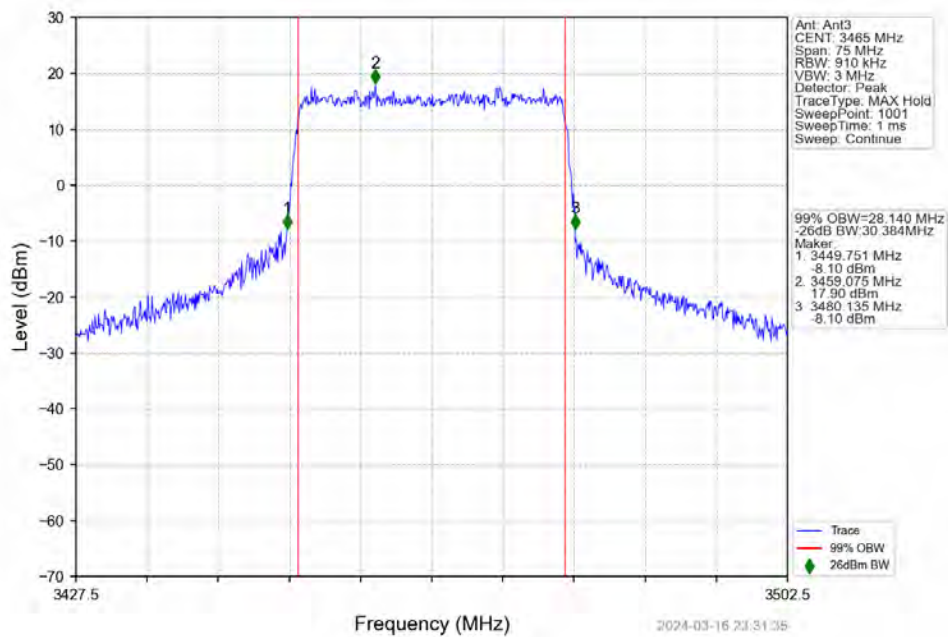
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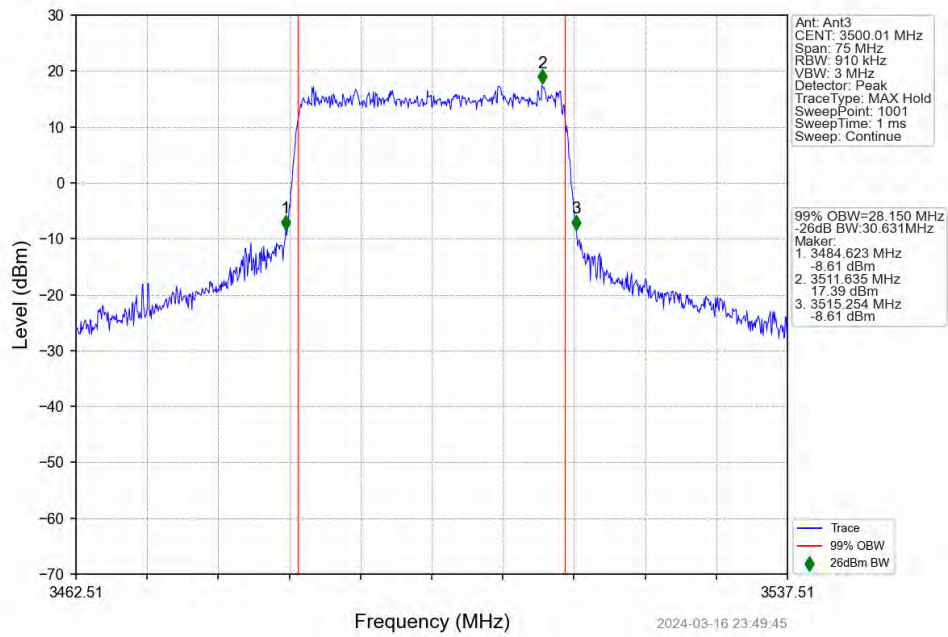
n77d 30kHz SISO NTN 30MHz CP-OFDM 16 QAM 3534.99MHz Outer Full



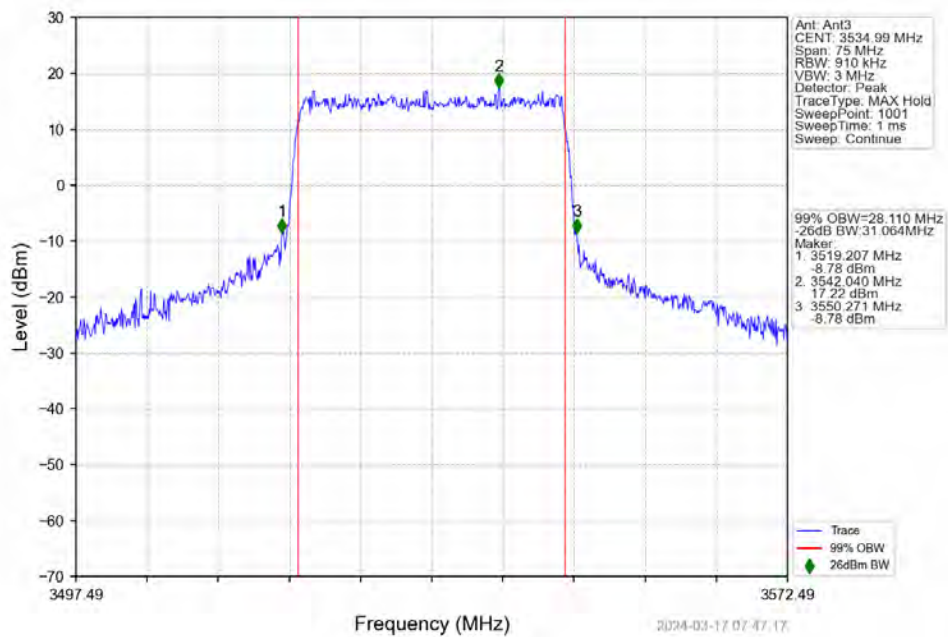
n77d 30kHz SISO NTN 30MHz CP-OFDM 64 QAM 3465MHz Outer Full



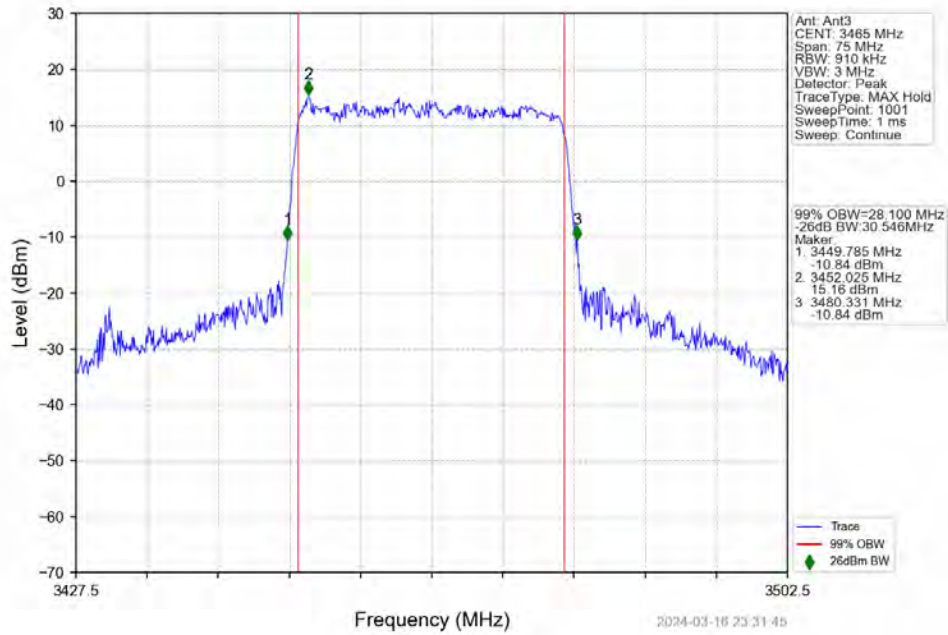
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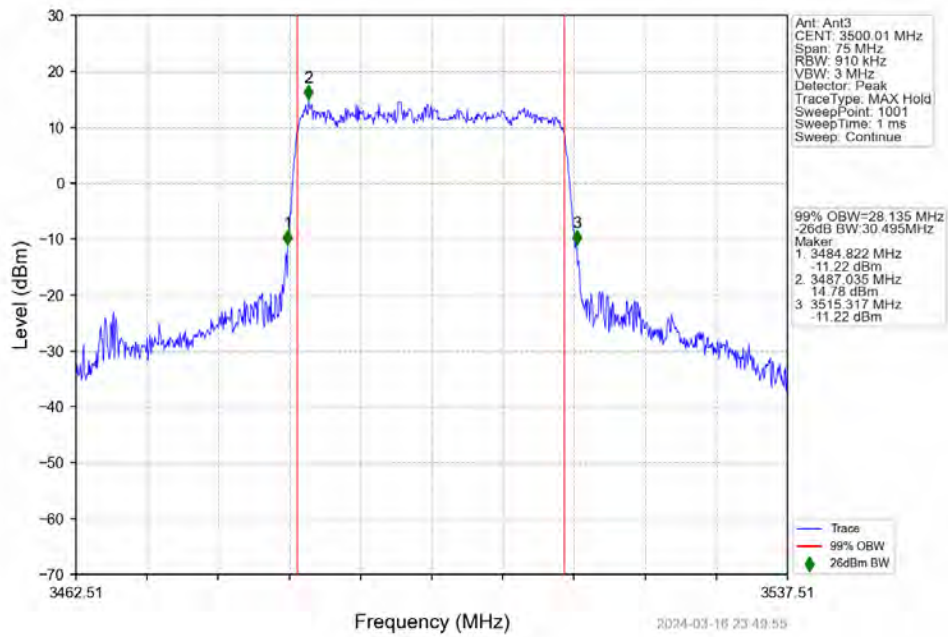
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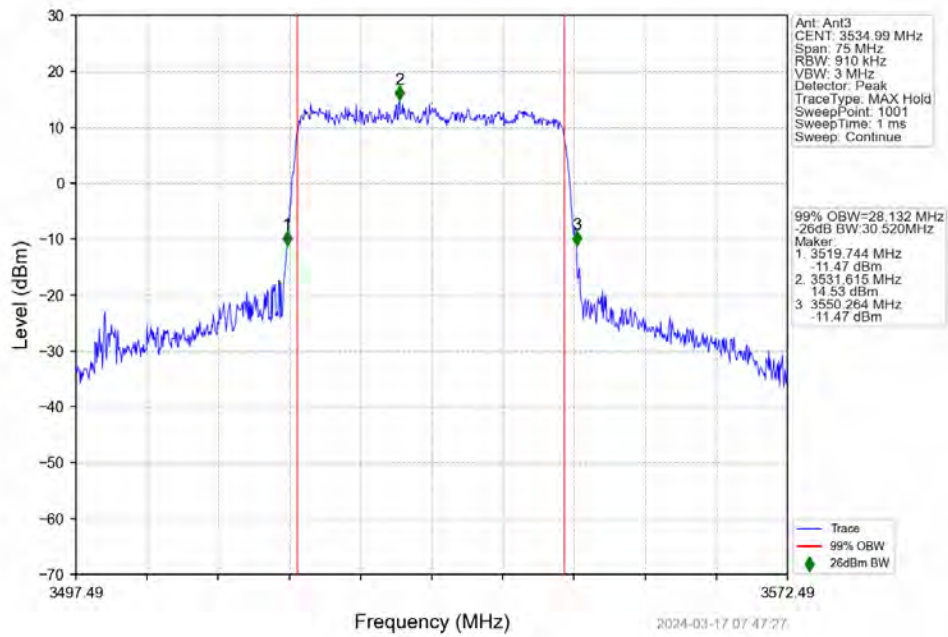
n77d 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3465MHz Outer Full



n77d 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3500.01MHz Outer Full



n77d 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3534.99MHz Outer Full

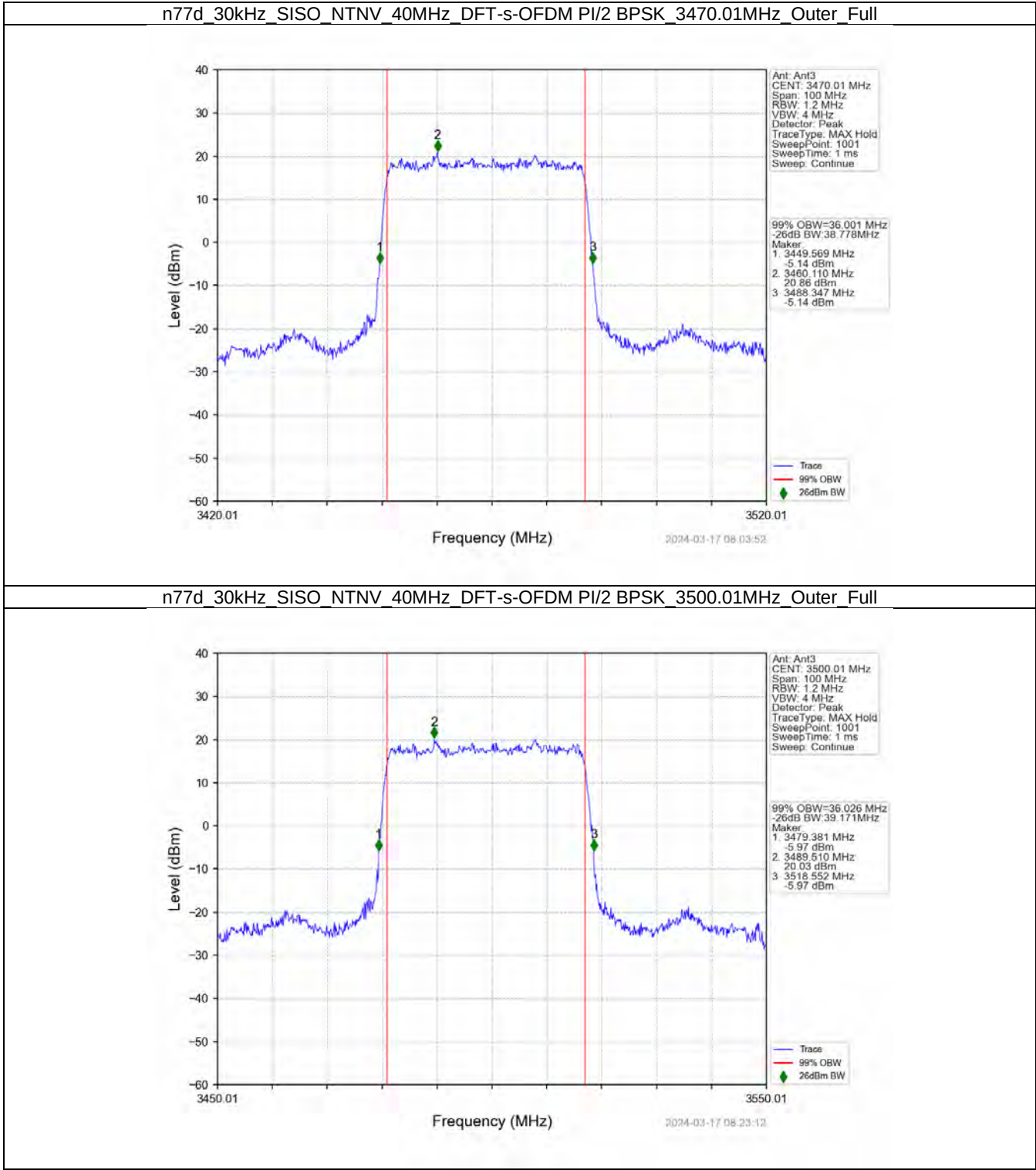


3.3 30k_SISO_40MHz_NTNV

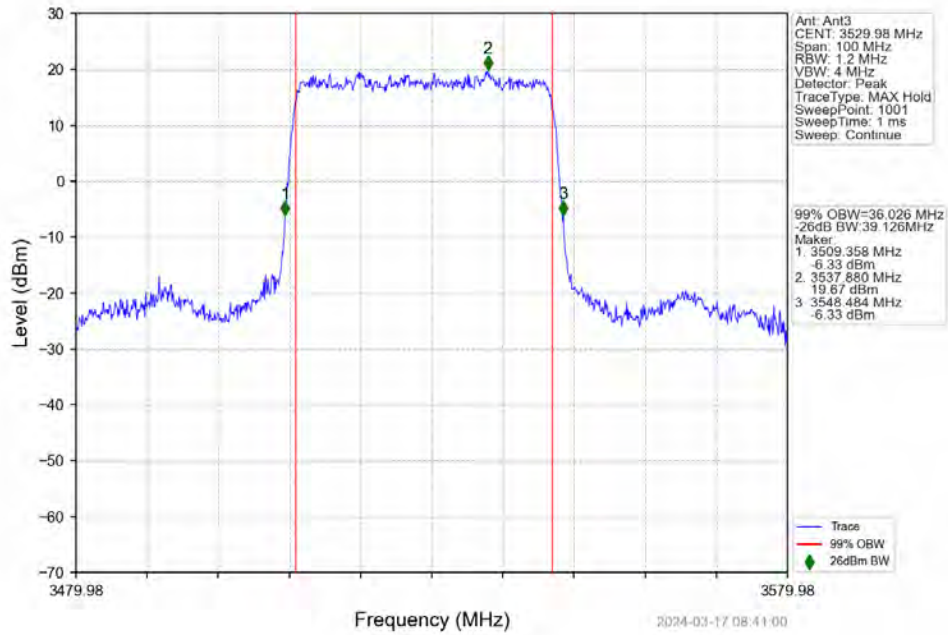
3.3.1 Test Result

5G NR n77d SCS=30kHz SISO 40MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3470.01	Outer_Full	36.00	38.78	/	Pass
	3500.01	Outer_Full	36.03	39.17	/	Pass
	3529.98	Outer_Full	36.03	39.13	/	Pass
DFT-s-OFDM QPSK	3470.01	Outer_Full	35.97	38.98	/	Pass
	3500.01	Outer_Full	36.04	38.89	/	Pass
	3529.98	Outer_Full	36.15	38.96	/	Pass
DFT-s-OFDM 16 QAM	3470.01	Outer_Full	36.08	38.97	/	Pass
	3500.01	Outer_Full	36.10	38.77	/	Pass
	3529.98	Outer_Full	36.11	38.92	/	Pass
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	36.04	38.90	/	Pass
	3500.01	Outer_Full	36.06	38.99	/	Pass
	3529.98	Outer_Full	36.05	38.80	/	Pass
DFT-s-OFDM 256 QAM	3470.01	Outer_Full	36.07	39.11	/	Pass
	3500.01	Outer_Full	36.10	39.03	/	Pass
	3529.98	Outer_Full	36.07	38.73	/	Pass
CP-OFDM QPSK	3470.01	Outer_Full	38.19	41.11	/	Pass
	3500.01	Outer_Full	38.23	41.11	/	Pass
	3529.98	Outer_Full	38.23	41.10	/	Pass
CP-OFDM 16 QAM	3470.01	Outer_Full	38.15	41.16	/	Pass
	3500.01	Outer_Full	38.21	40.95	/	Pass
	3529.98	Outer_Full	38.15	41.10	/	Pass
CP-OFDM 64 QAM	3470.01	Outer_Full	38.27	41.29	/	Pass
	3500.01	Outer_Full	38.37	41.24	/	Pass
	3529.98	Outer_Full	38.25	41.10	/	Pass
CP-OFDM 256 QAM	3470.01	Outer_Full	38.24	41.22	/	Pass
	3500.01	Outer_Full	38.32	40.91	/	Pass
	3529.98	Outer_Full	38.34	41.04	/	Pass

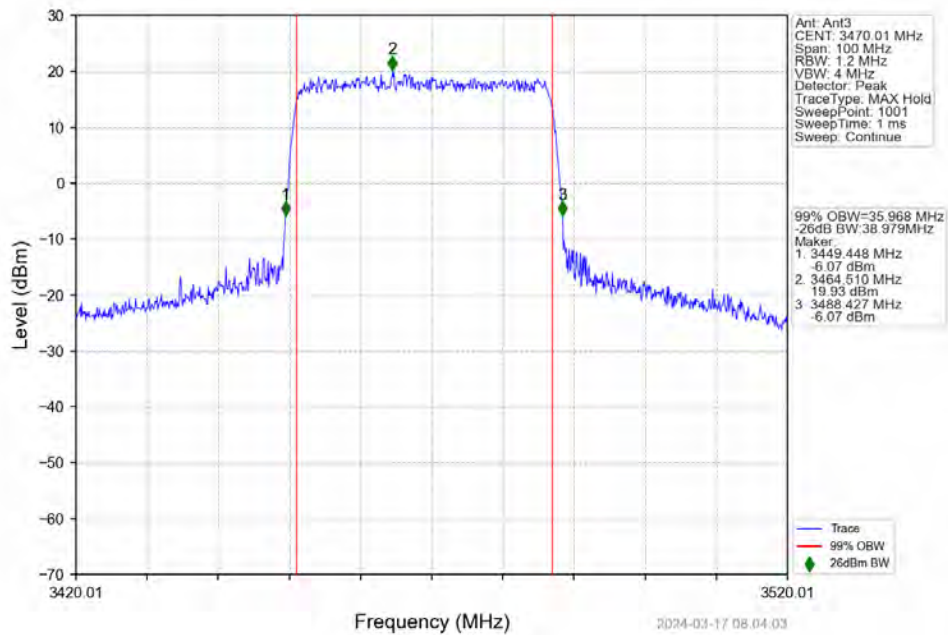
3.3.2 Test Graph



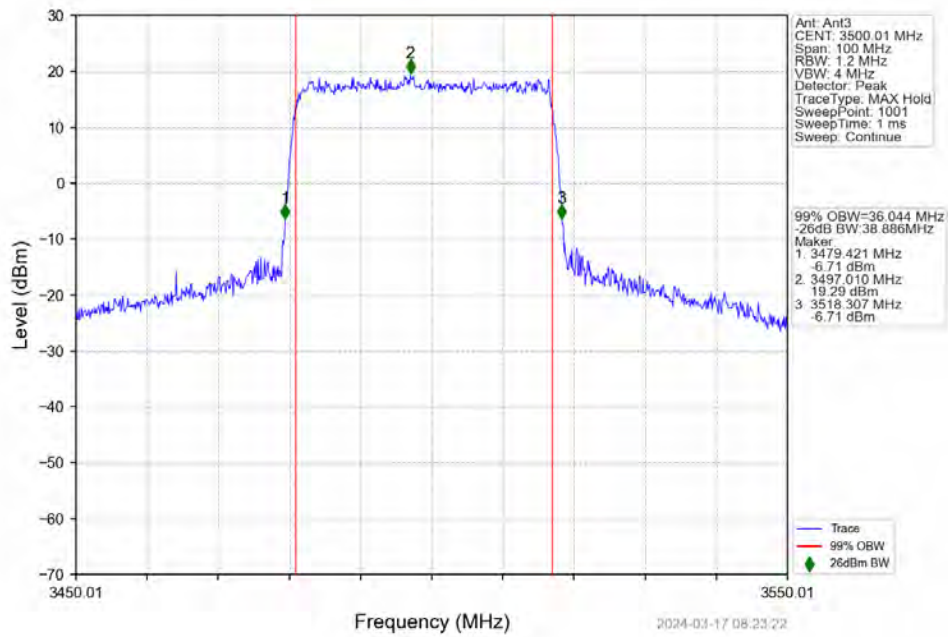
n77d 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 3529.98MHz Outer Full



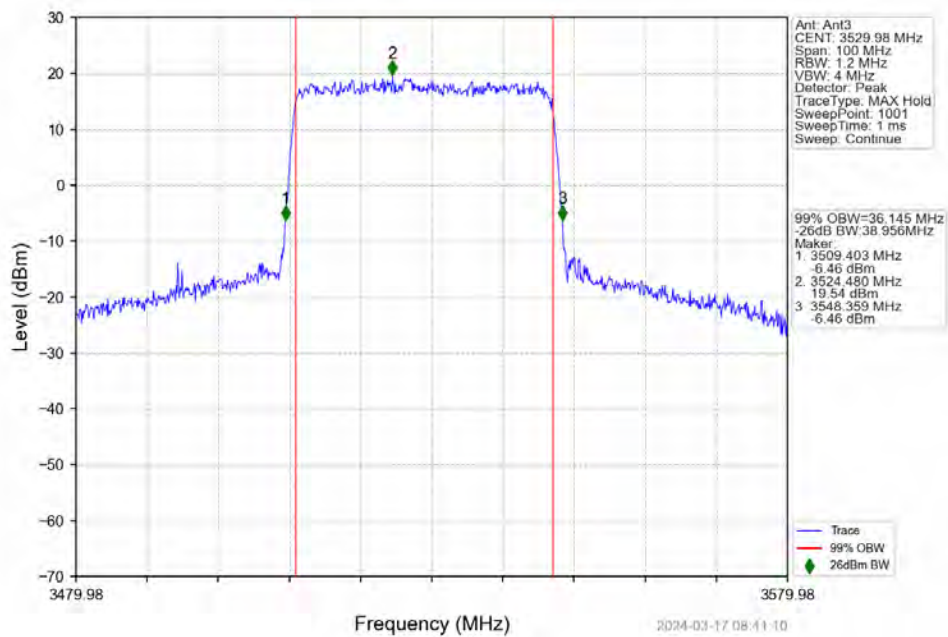
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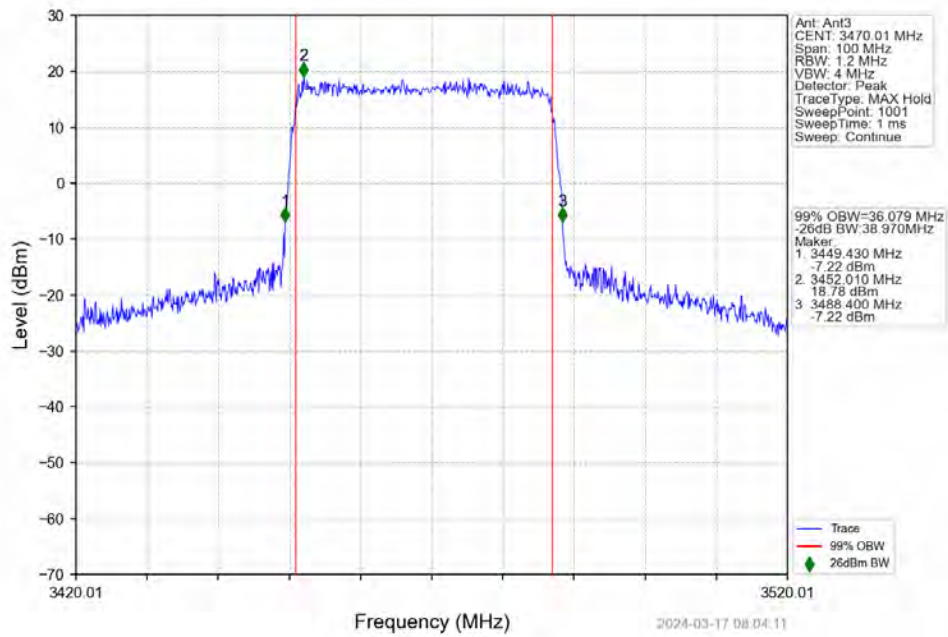
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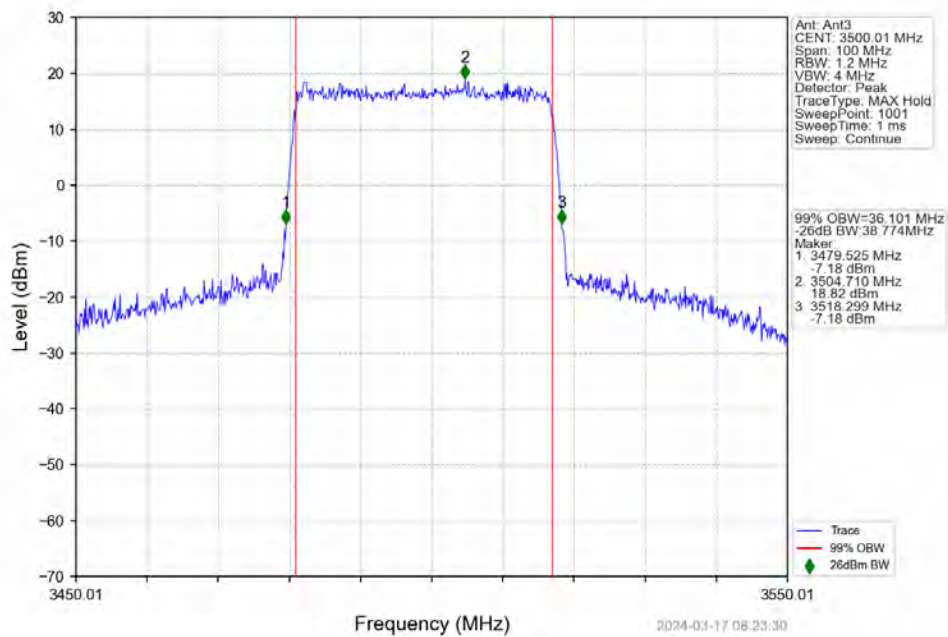
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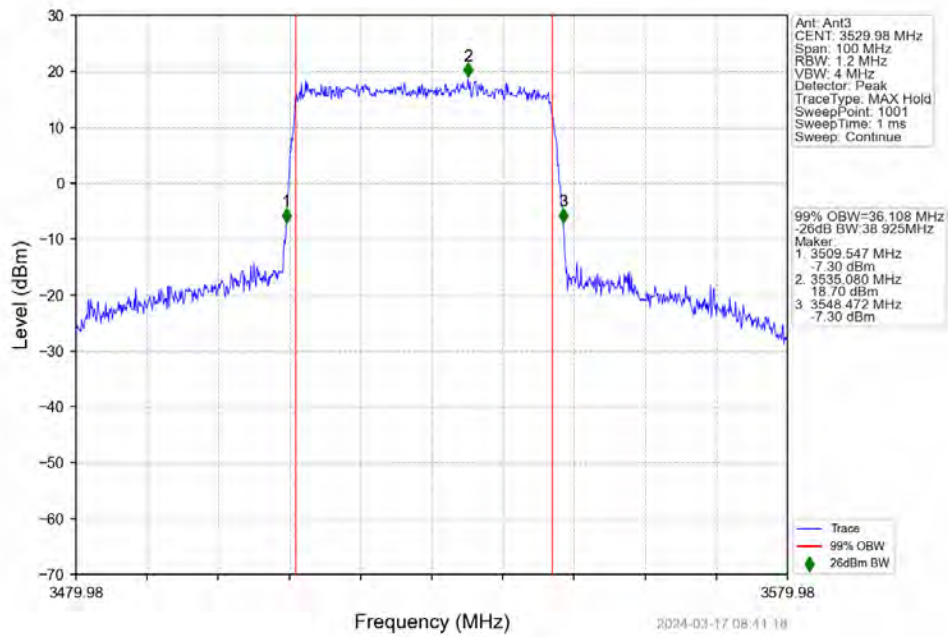
n77d 30kHz SISO NTN 40MHz DFT-s-OFDM 16 QAM 3470.01MHz Outer Full



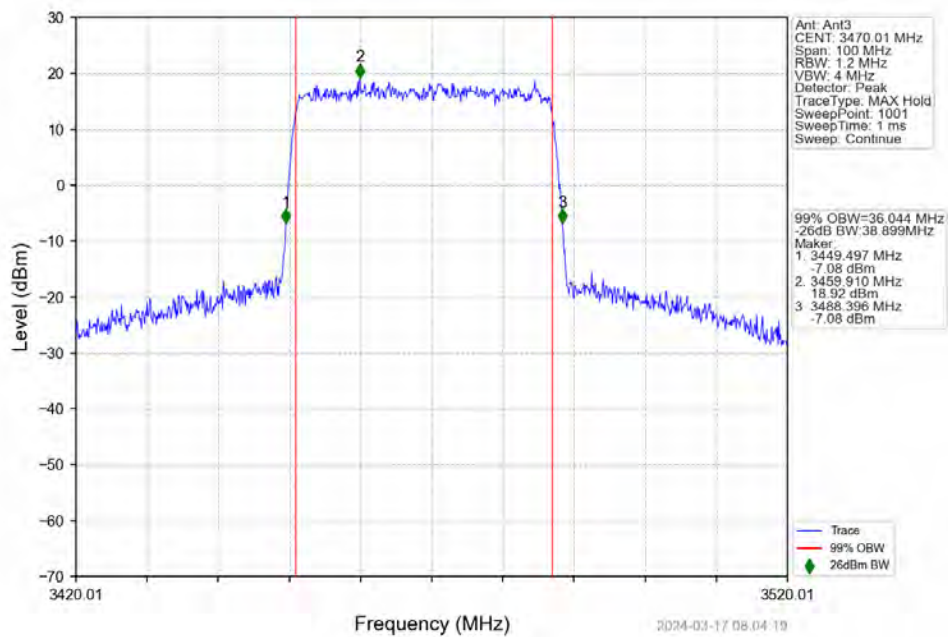
n77d 30kHz SISO NTN 40MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full



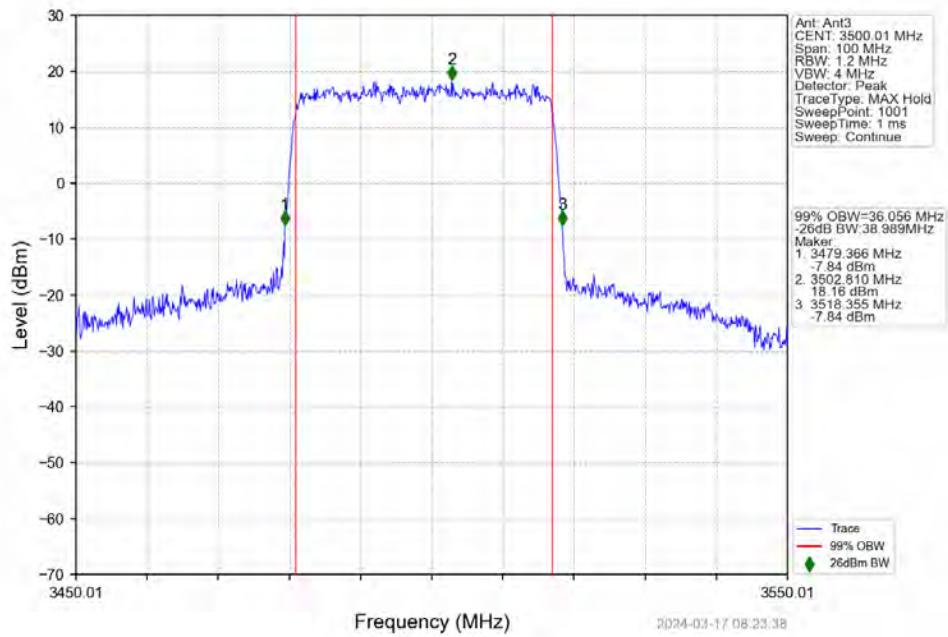
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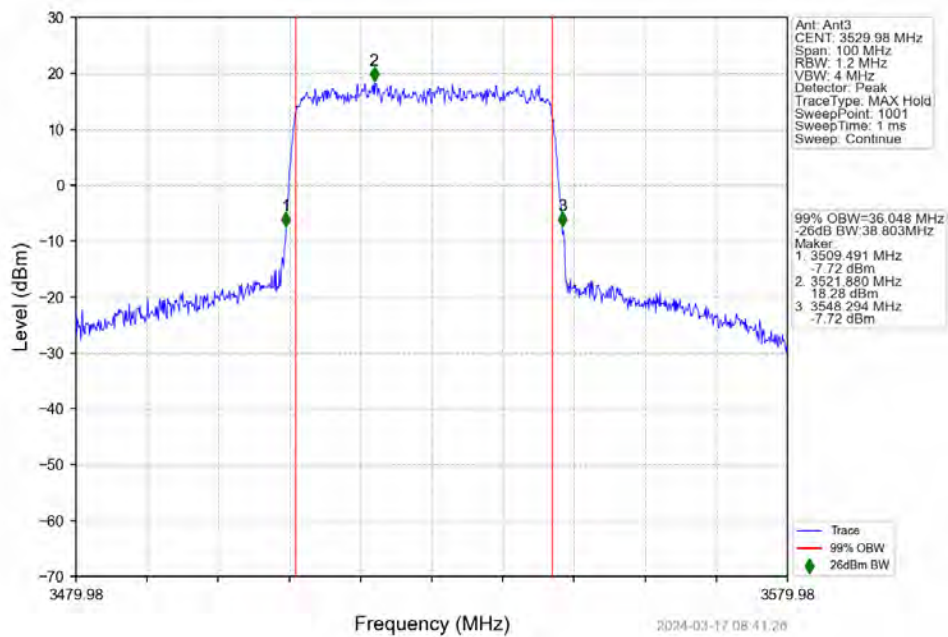
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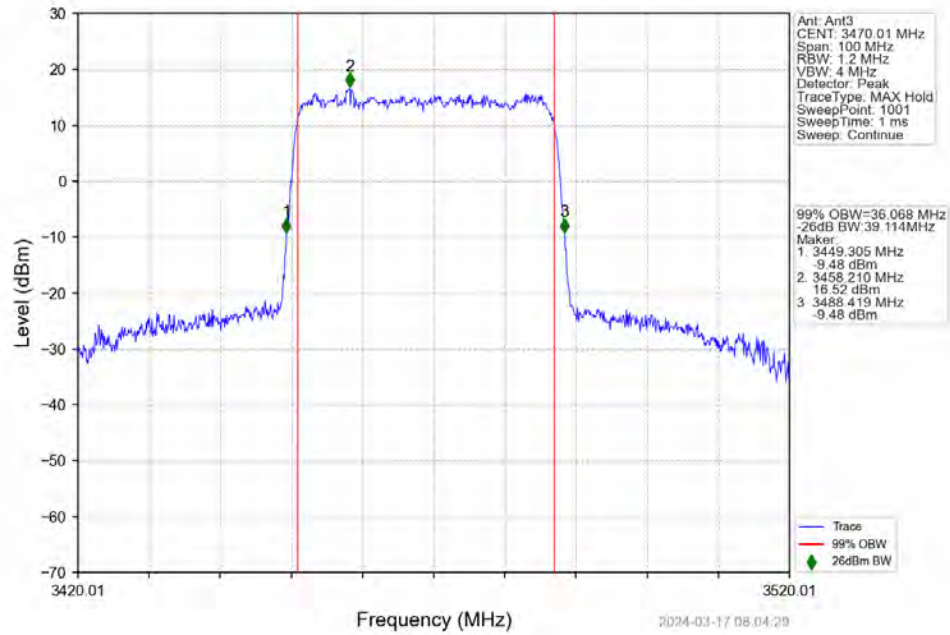
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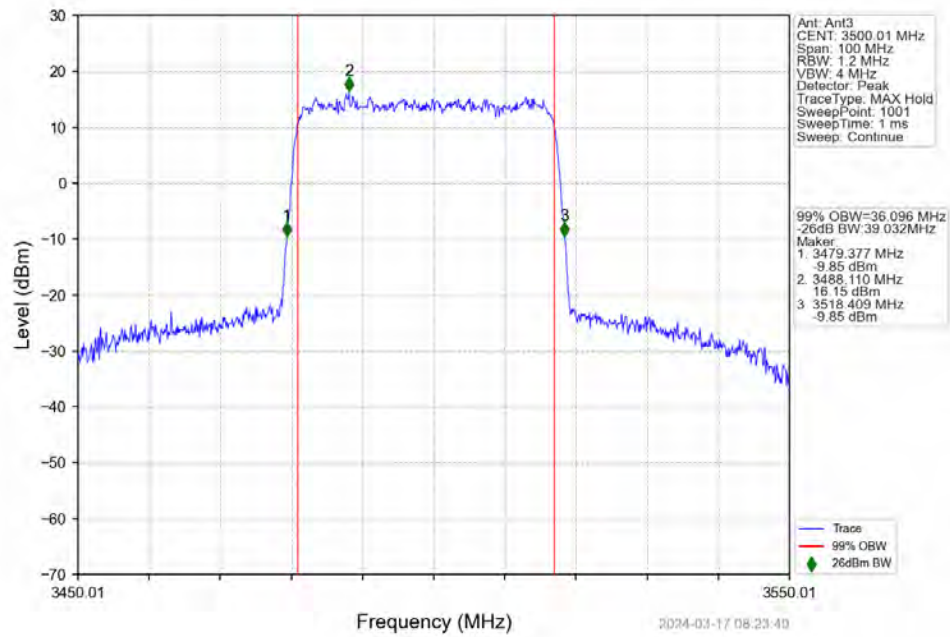
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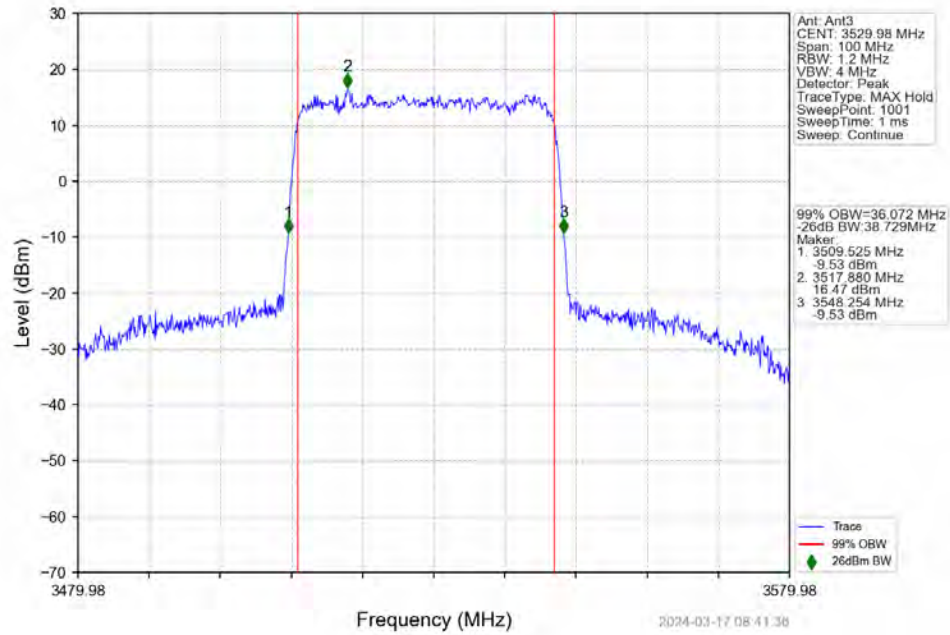
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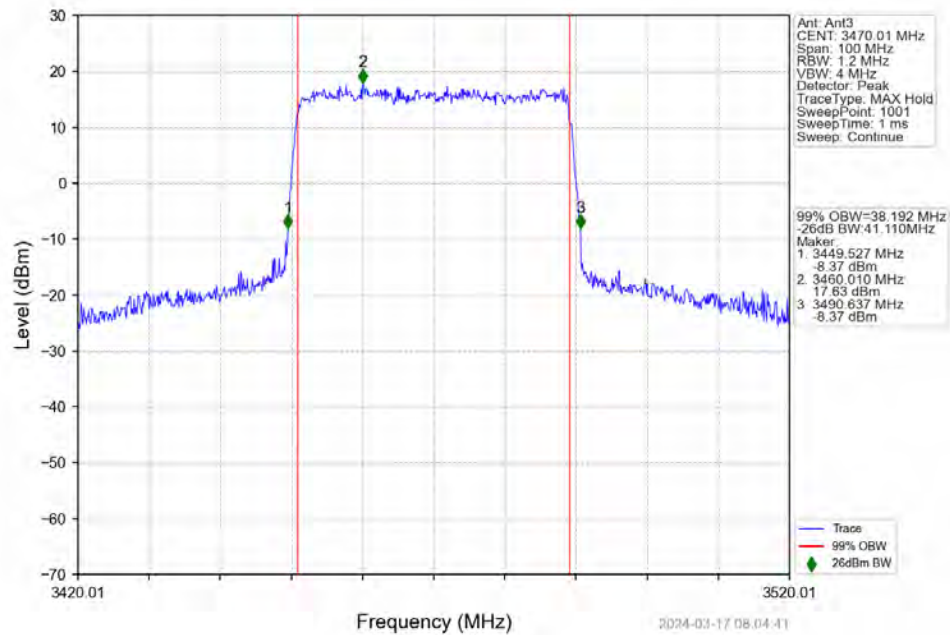
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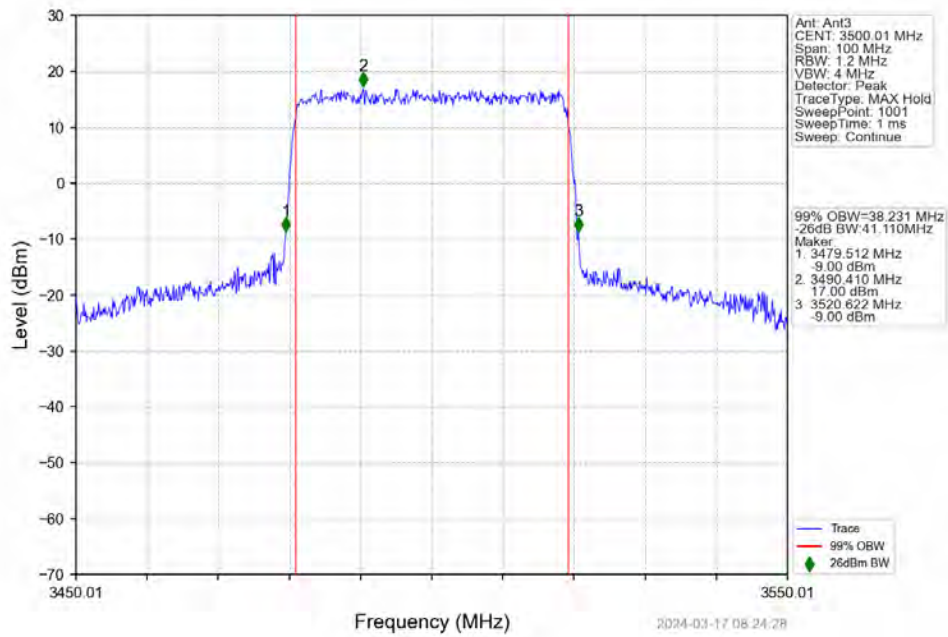
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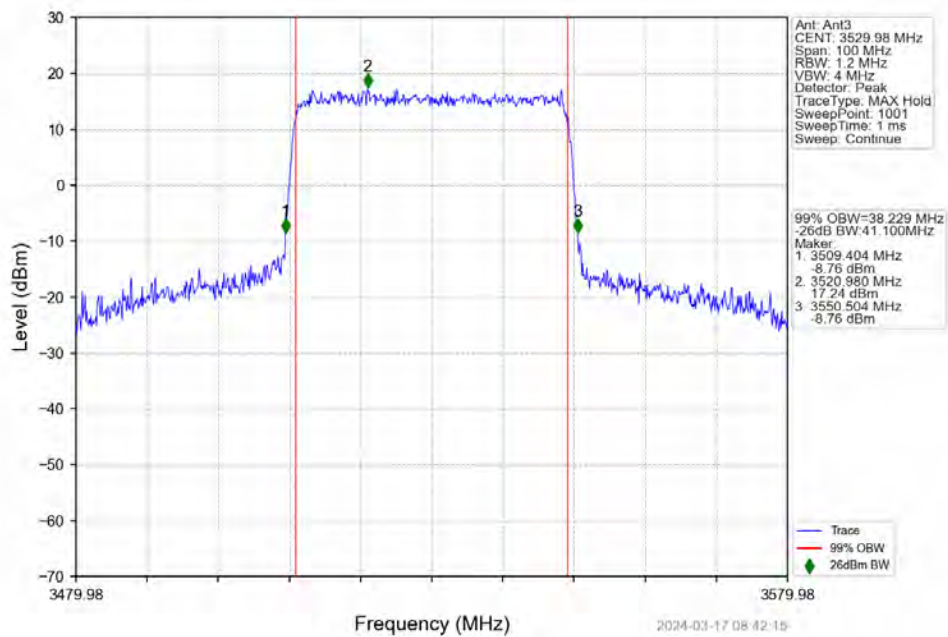
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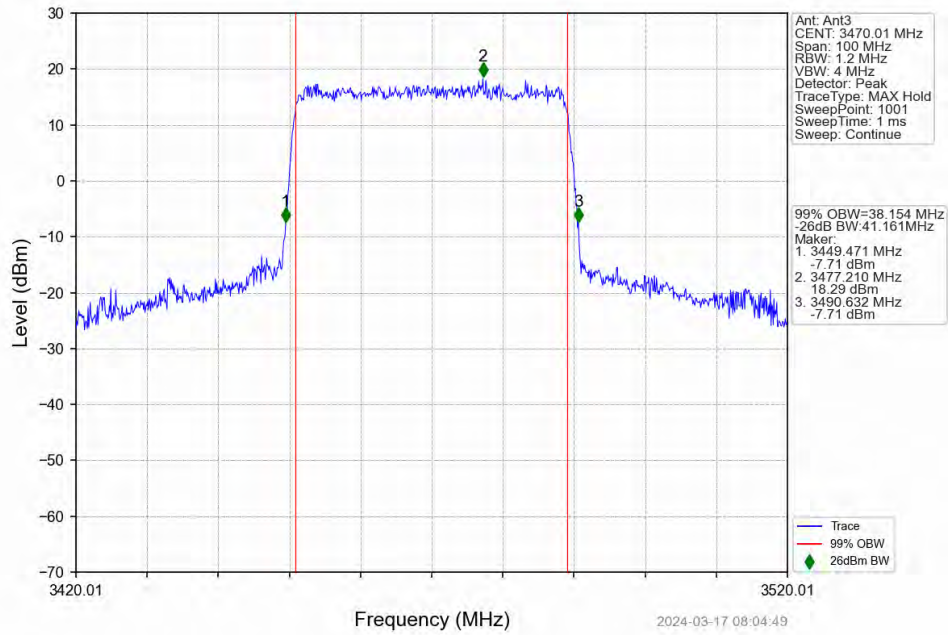
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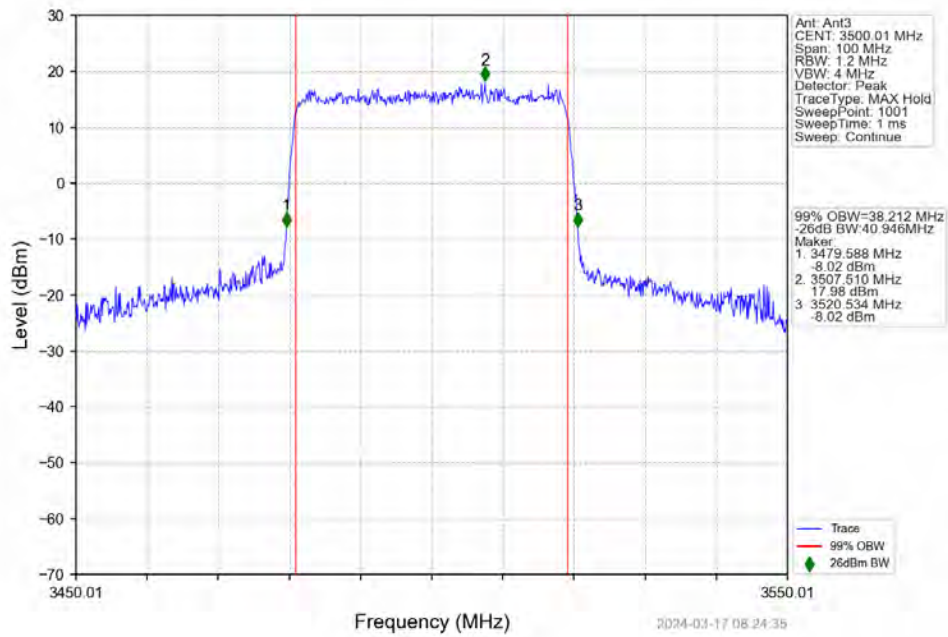
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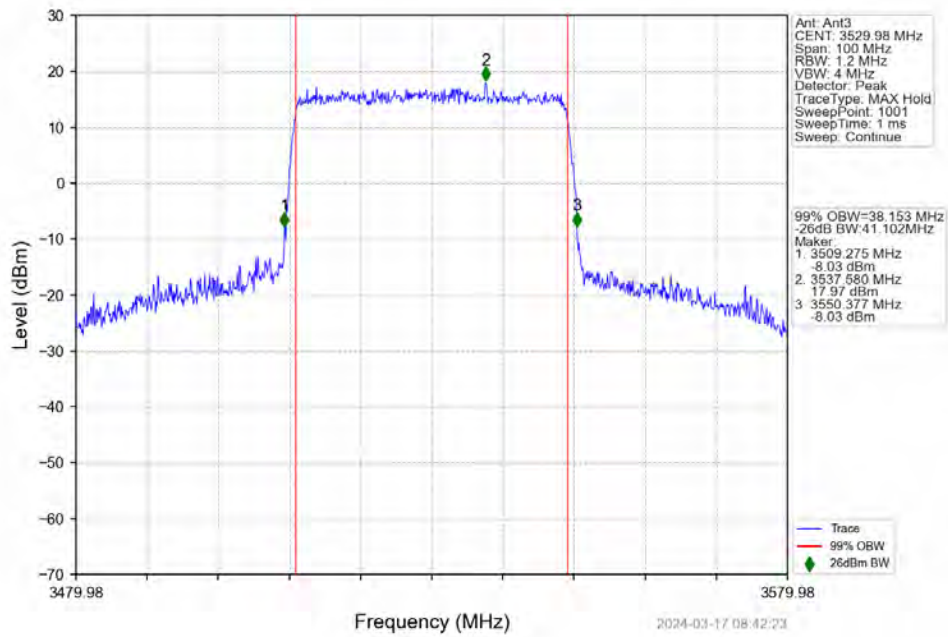
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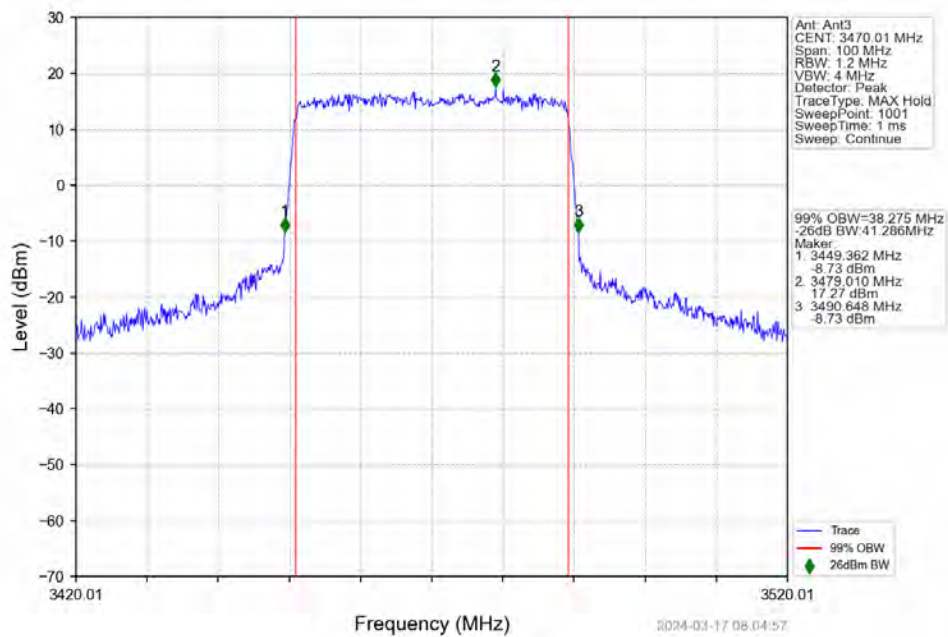
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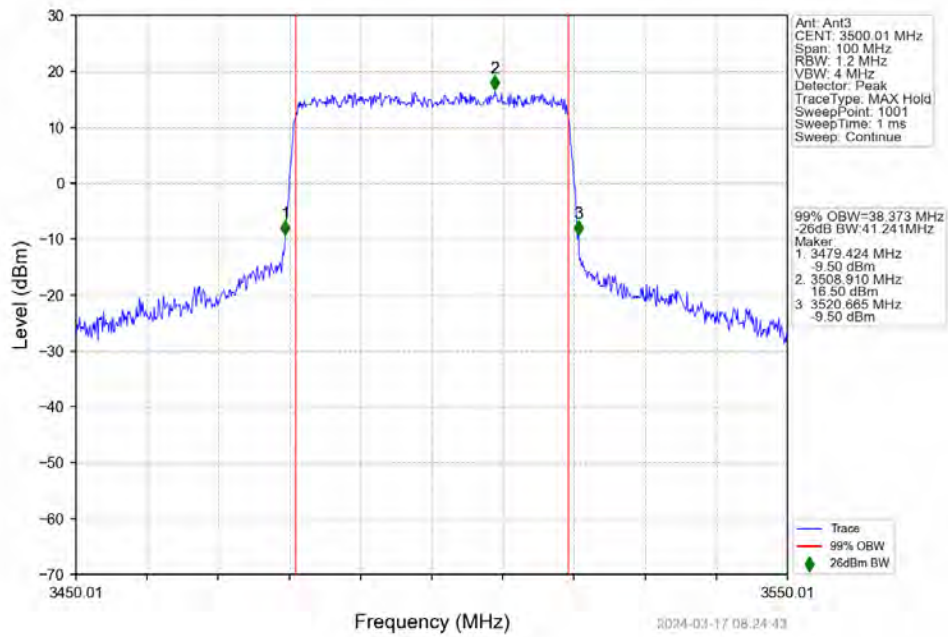
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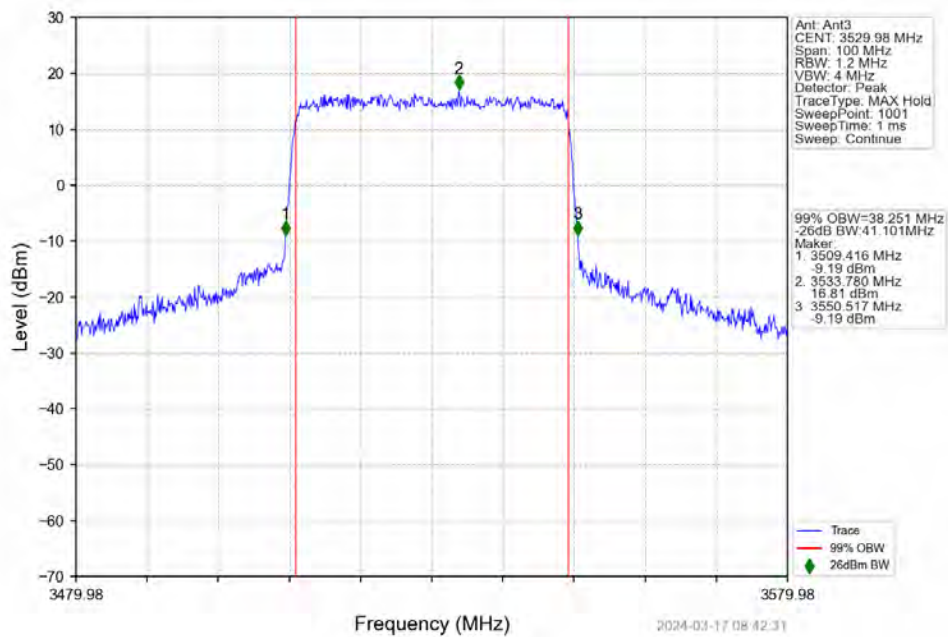
n77d 30kHz SISO NTN 40MHz CP-OFDM 64 QAM 3470.01MHz Outer Full



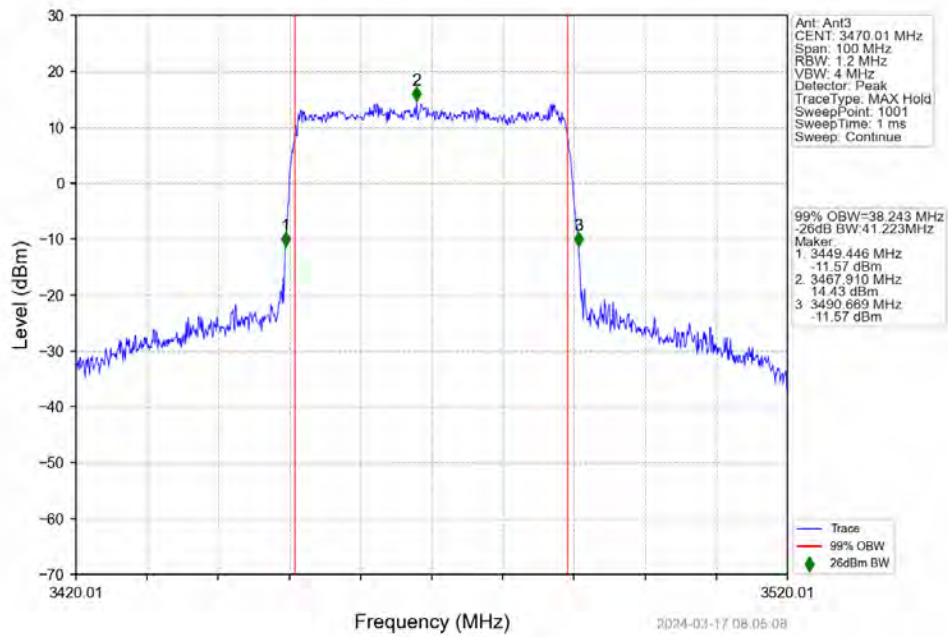
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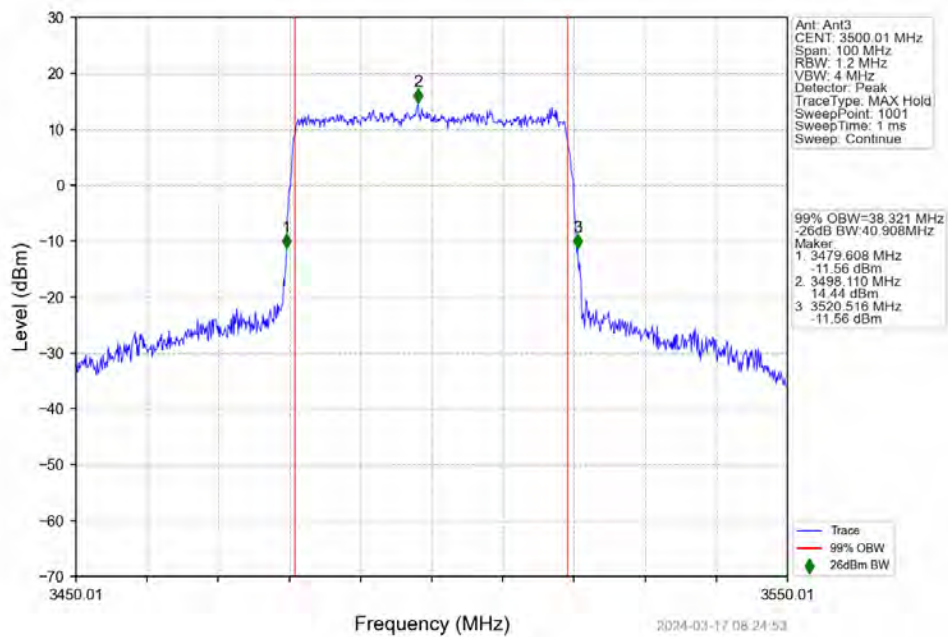
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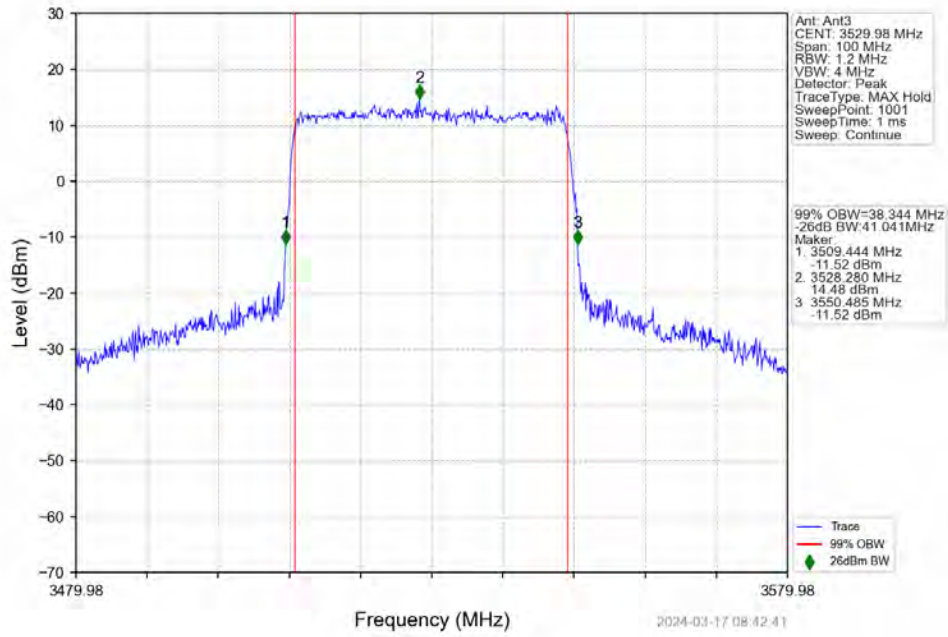
n77d 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3470.01MHz Outer Full



n77d 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3500.01MHz Outer Full



n77d 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3529.98MHz Outer Full

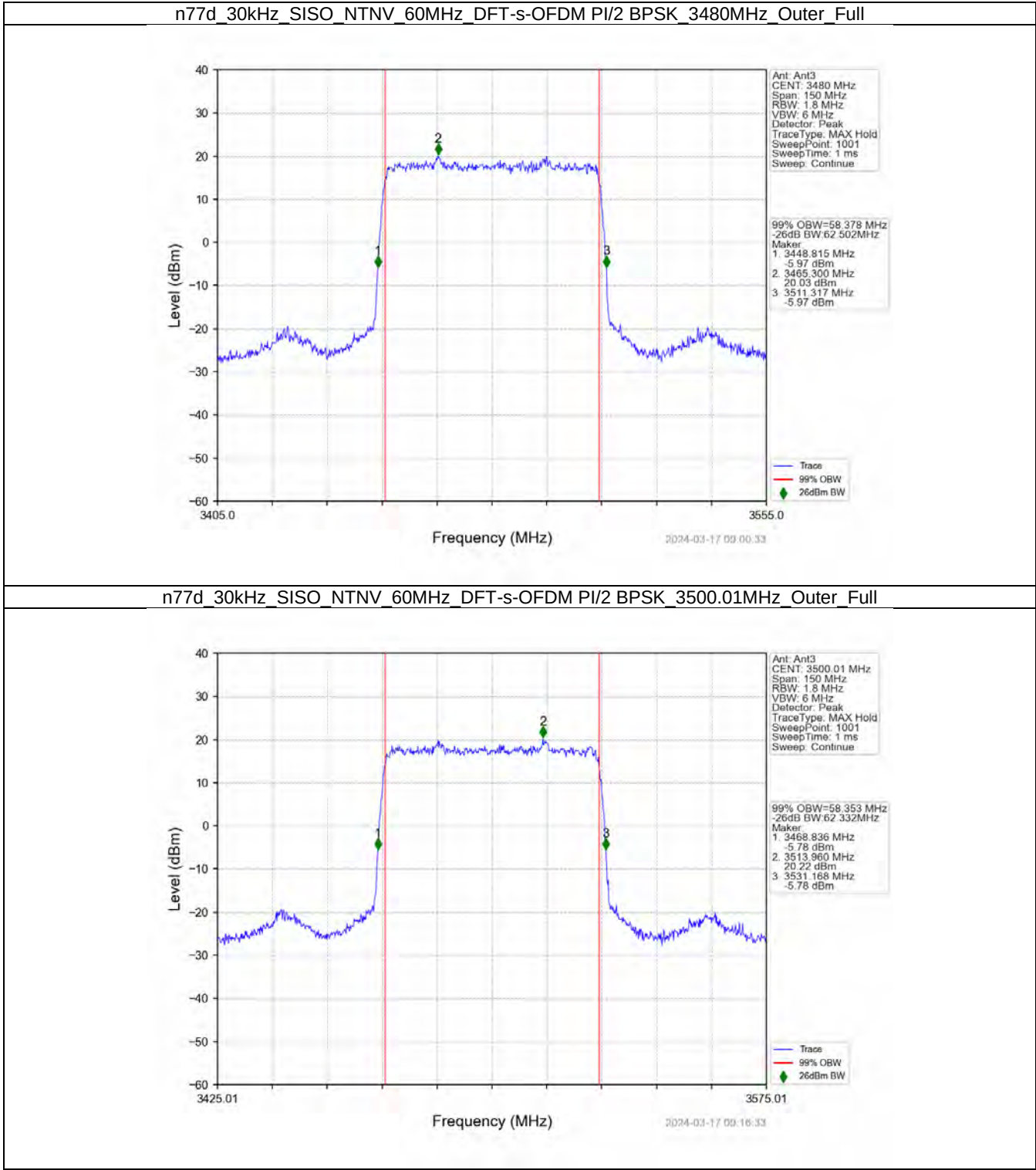


3.4 30k_SISO_60MHz_NTNV

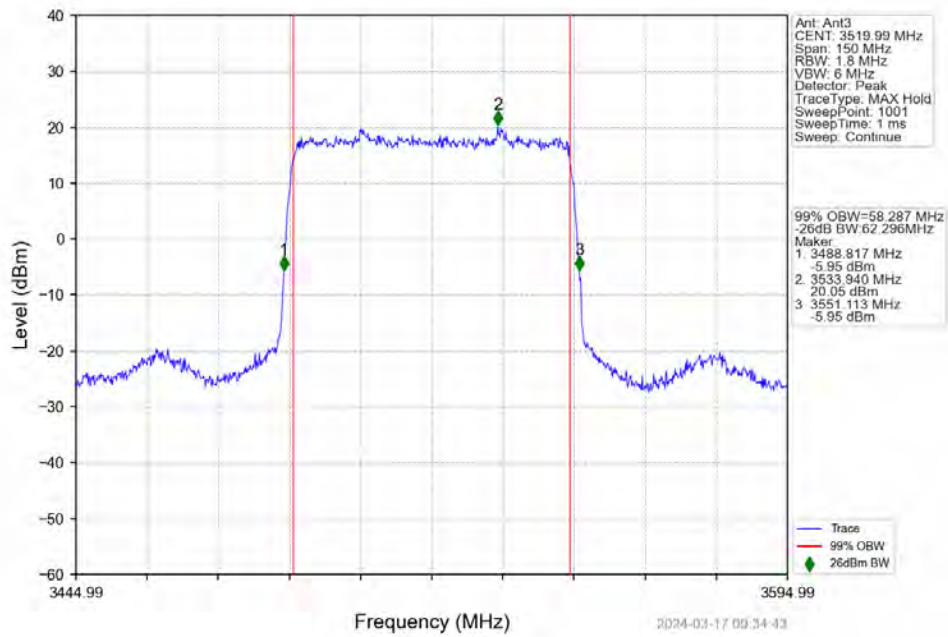
3.4.1 Test Result

5G NR n77d SCS=30kHz SISO 60MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3480	Outer_Full	58.38	62.50	/	Pass
	3500.01	Outer_Full	58.35	62.33	/	Pass
	3519.99	Outer_Full	58.29	62.30	/	Pass
DFT-s-OFDM QPSK	3480	Outer_Full	58.48	62.35	/	Pass
	3500.01	Outer_Full	58.40	62.43	/	Pass
	3519.99	Outer_Full	58.48	62.43	/	Pass
DFT-s-OFDM 16 QAM	3480	Outer_Full	58.37	62.39	/	Pass
	3500.01	Outer_Full	58.32	62.35	/	Pass
	3519.99	Outer_Full	58.35	62.28	/	Pass
DFT-s-OFDM 64 QAM	3480	Outer_Full	58.19	62.42	/	Pass
	3500.01	Outer_Full	58.29	62.39	/	Pass
	3519.99	Outer_Full	58.21	62.34	/	Pass
DFT-s-OFDM 256 QAM	3480	Outer_Full	58.13	62.24	/	Pass
	3500.01	Outer_Full	58.12	62.19	/	Pass
	3519.99	Outer_Full	58.11	62.17	/	Pass
CP-OFDM QPSK	3480	Outer_Full	58.35	62.32	/	Pass
	3500.01	Outer_Full	58.38	62.25	/	Pass
	3519.99	Outer_Full	58.27	62.27	/	Pass
CP-OFDM 16 QAM	3480	Outer_Full	58.13	62.40	/	Pass
	3500.01	Outer_Full	58.26	62.35	/	Pass
	3519.99	Outer_Full	58.18	62.32	/	Pass
CP-OFDM 64 QAM	3480	Outer_Full	58.36	62.33	/	Pass
	3500.01	Outer_Full	58.45	62.32	/	Pass
	3519.99	Outer_Full	58.33	62.41	/	Pass
CP-OFDM 256 QAM	3480	Outer_Full	58.30	62.33	/	Pass
	3500.01	Outer_Full	58.33	62.25	/	Pass
	3519.99	Outer_Full	58.39	62.34	/	Pass

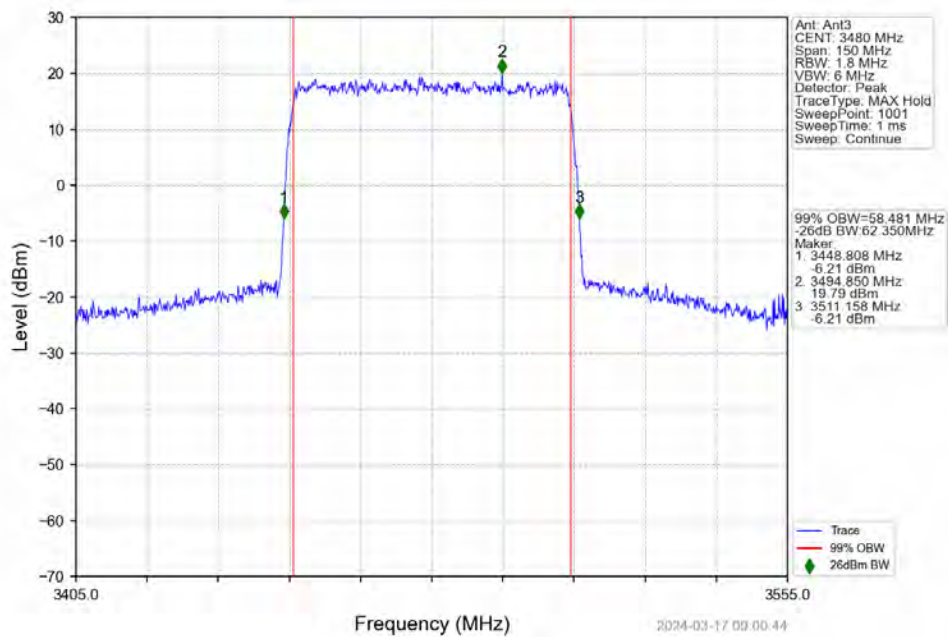
3.4.2 Test Graph



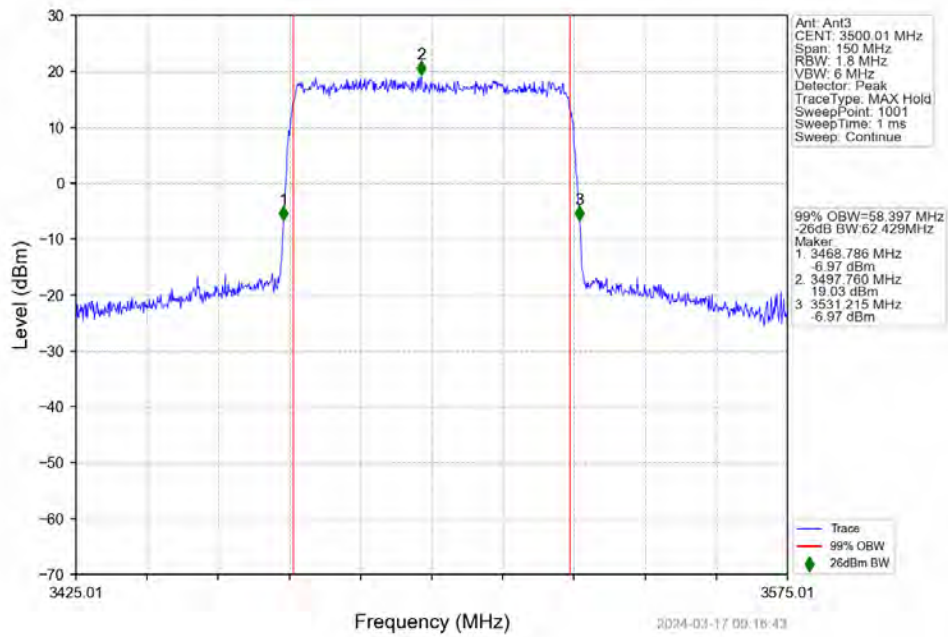
n77d 30kHz SISO NTN 60MHz DFT-s-OFDM PI/2 BPSK 3519.99MHz Outer Full



n77d 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3480MHz Outer Full



n77d 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3500.01MHz Outer Full



n77d 30kHz SISO NTN 60MHz DFT-s-OFDM QPSK 3519.99MHz Outer Full

