

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30k_SISO_20MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	22.43	/	/	24.13	/	/	<=30	Pass
		Edge_1RB_Right	22.71	/	/	24.41	/	/	<=30	Pass
		Outer_Full	25.75	/	/	27.45	/	/	<=30	Pass
		Inner_Full	26.30	/	/	28.00	/	/	<=30	Pass
		Inner_1RB_Left	25.97	/	/	27.67	/	/	<=30	Pass
		Inner_1RB_Right	26.16	/	/	27.86	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.87	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	24.02	/	/	<=30	Pass
		Outer_Full	25.19	/	/	26.89	/	/	<=30	Pass
		Inner_Full	25.69	/	/	27.39	/	/	<=30	Pass
		Inner_1RB_Left	25.36	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Right	25.92	/	/	27.62	/	/	<=30	Pass
	3540	Edge_1RB_Left	22.97	/	/	24.67	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	23.96	/	/	<=30	Pass
		Outer_Full	25.87	/	/	27.57	/	/	<=30	Pass
		Inner_Full	26.46	/	/	28.16	/	/	<=30	Pass
		Inner_1RB_Left	26.48	/	/	28.18	/	/	<=30	Pass
		Inner_1RB_Right	25.85	/	/	27.55	/	/	<=30	Pass
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	22.45	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	22.74	/	/	24.44	/	/	<=30	Pass
		Outer_Full	25.26	/	/	26.96	/	/	<=30	Pass
		Inner_Full	26.18	/	/	27.88	/	/	<=30	Pass
		Inner_1RB_Left	25.97	/	/	27.67	/	/	<=30	Pass
		Inner_1RB_Right	26.19	/	/	27.89	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.85	/	/	23.55	/	/	<=30	Pass
		Edge_1RB_Right	22.37	/	/	24.07	/	/	<=30	Pass
		Outer_Full	24.73	/	/	26.43	/	/	<=30	Pass
		Inner_Full	25.67	/	/	27.37	/	/	<=30	Pass
		Inner_1RB_Left	25.28	/	/	26.98	/	/	<=30	Pass
		Inner_1RB_Right	25.82	/	/	27.52	/	/	<=30	Pass
	3540	Edge_1RB_Left	23.04	/	/	24.74	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	24.02	/	/	<=30	Pass
		Outer_Full	25.23	/	/	26.93	/	/	<=30	Pass
		Inner_Full	26.32	/	/	28.02	/	/	<=30	Pass
		Inner_1RB_Left	26.73	/	/	28.43	/	/	<=30	Pass
		Inner_1RB_Right	25.78	/	/	27.48	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3460.02	Edge_1RB_Left	22.30	/	/	24.00	/	/	<=30	Pass
		Edge_1RB_Right	22.58	/	/	24.28	/	/	<=30	Pass
		Outer_Full	24.22	/	/	25.92	/	/	<=30	Pass
		Inner_Full	25.35	/	/	27.05	/	/	<=30	Pass
		Inner_1RB_Left	24.77	/	/	26.47	/	/	<=30	Pass
		Inner_1RB_Right	25.11	/	/	26.81	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.68	/	/	23.38	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	24.01	/	/	<=30	Pass
		Outer_Full	23.71	/	/	25.41	/	/	<=30	Pass
		Inner_Full	24.67	/	/	26.37	/	/	<=30	Pass
		Inner_1RB_Left	24.17	/	/	25.87	/	/	<=30	Pass
		Inner_1RB_Right	24.72	/	/	26.42	/	/	<=30	Pass
	3540	Edge_1RB_Left	22.91	/	/	24.61	/	/	<=30	Pass

		Edge 1RB Right	22.23	/	/	23.93	/	/	<=30	Pass
		Outer Full	24.37	/	/	26.07	/	/	<=30	Pass
		Inner Full	25.37	/	/	27.07	/	/	<=30	Pass
		Inner 1RB Left	25.40	/	/	27.10	/	/	<=30	Pass
		Inner 1RB Right	24.53	/	/	26.23	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3460.02	Edge 1RB Left	22.43	/	/	24.13	/	/	<=30	Pass
		Edge 1RB Right	22.79	/	/	24.49	/	/	<=30	Pass
		Outer Full	23.86	/	/	25.56	/	/	<=30	Pass
		Inner Full	23.81	/	/	25.51	/	/	<=30	Pass
		Inner 1RB Left	23.43	/	/	25.13	/	/	<=30	Pass
		Inner 1RB Right	23.61	/	/	25.31	/	/	<=30	Pass
	3500.01	Edge 1RB Left	21.83	/	/	23.53	/	/	<=30	Pass
		Edge 1RB Right	22.40	/	/	24.10	/	/	<=30	Pass
		Outer Full	23.21	/	/	24.91	/	/	<=30	Pass
		Inner Full	23.27	/	/	24.97	/	/	<=30	Pass
		Inner 1RB Left	22.78	/	/	24.48	/	/	<=30	Pass
		Inner 1RB Right	23.19	/	/	24.89	/	/	<=30	Pass
	3540	Edge 1RB Left	23.06	/	/	24.76	/	/	<=30	Pass
		Edge 1RB Right	22.31	/	/	24.01	/	/	<=30	Pass
		Outer Full	23.67	/	/	25.37	/	/	<=30	Pass
		Inner Full	23.94	/	/	25.64	/	/	<=30	Pass
		Inner 1RB Left	23.93	/	/	25.63	/	/	<=30	Pass
		Inner 1RB Right	23.31	/	/	25.01	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3460.02	Edge 1RB Left	21.56	/	/	23.26	/	/	<=30	Pass
		Edge 1RB Right	21.69	/	/	23.39	/	/	<=30	Pass
		Outer Full	21.77	/	/	23.47	/	/	<=30	Pass
		Inner Full	21.95	/	/	23.65	/	/	<=30	Pass
		Inner 1RB Left	21.42	/	/	23.12	/	/	<=30	Pass
		Inner 1RB Right	21.72	/	/	23.42	/	/	<=30	Pass
	3500.01	Edge 1RB Left	20.82	/	/	22.52	/	/	<=30	Pass
		Edge 1RB Right	21.35	/	/	23.05	/	/	<=30	Pass
		Outer Full	21.20	/	/	22.90	/	/	<=30	Pass
		Inner Full	21.26	/	/	22.96	/	/	<=30	Pass
		Inner 1RB Left	20.83	/	/	22.53	/	/	<=30	Pass
		Inner 1RB Right	21.37	/	/	23.07	/	/	<=30	Pass
	3540	Edge 1RB Left	22.00	/	/	23.70	/	/	<=30	Pass
		Edge 1RB Right	21.30	/	/	23.00	/	/	<=30	Pass
		Outer Full	21.93	/	/	23.63	/	/	<=30	Pass
		Inner Full	22.03	/	/	23.73	/	/	<=30	Pass
		Inner 1RB Left	22.03	/	/	23.73	/	/	<=30	Pass
		Inner 1RB Right	21.35	/	/	23.05	/	/	<=30	Pass
CP-OFDM QPSK	3460.02	Edge 1RB Left	22.52	/	/	24.22	/	/	<=30	Pass
		Edge 1RB Right	22.71	/	/	24.41	/	/	<=30	Pass
		Outer Full	23.20	/	/	24.90	/	/	<=30	Pass
		Inner Full	24.74	/	/	26.44	/	/	<=30	Pass
		Inner 1RB Left	24.44	/	/	26.14	/	/	<=30	Pass
		Inner 1RB Right	24.89	/	/	26.59	/	/	<=30	Pass
	3500.01	Edge 1RB Left	22.00	/	/	23.70	/	/	<=30	Pass
		Edge 1RB Right	22.43	/	/	24.13	/	/	<=30	Pass
		Outer Full	22.79	/	/	24.49	/	/	<=30	Pass
		Inner Full	24.23	/	/	25.93	/	/	<=30	Pass
		Inner 1RB Left	23.76	/	/	25.46	/	/	<=30	Pass
		Inner 1RB Right	24.27	/	/	25.97	/	/	<=30	Pass
	3540	Edge 1RB Left	23.07	/	/	24.77	/	/	<=30	Pass
		Edge 1RB Right	22.39	/	/	24.09	/	/	<=30	Pass
		Outer Full	23.40	/	/	25.10	/	/	<=30	Pass
		Inner Full	25.00	/	/	26.70	/	/	<=30	Pass
		Inner 1RB Left	25.21	/	/	26.91	/	/	<=30	Pass
		Inner 1RB Right	24.31	/	/	26.01	/	/	<=30	Pass

CP-OFDM 16 QAM	3460.02	Edge 1RB Left	22.33	/	/	24.03	/	/	<=30	Pass
		Edge 1RB Right	22.65	/	/	24.35	/	/	<=30	Pass
		Outer Full	23.17	/	/	24.87	/	/	<=30	Pass
		Inner Full	24.35	/	/	26.05	/	/	<=30	Pass
		Inner 1RB Left	23.84	/	/	25.54	/	/	<=30	Pass
		Inner 1RB Right	24.03	/	/	25.73	/	/	<=30	Pass
	3500.01	Edge 1RB Left	21.68	/	/	23.38	/	/	<=30	Pass
		Edge 1RB Right	22.15	/	/	23.85	/	/	<=30	Pass
		Outer Full	22.68	/	/	24.38	/	/	<=30	Pass
		Inner Full	23.78	/	/	25.48	/	/	<=30	Pass
		Inner 1RB Left	23.21	/	/	24.91	/	/	<=30	Pass
		Inner 1RB Right	23.63	/	/	25.33	/	/	<=30	Pass
	3540	Edge 1RB Left	22.89	/	/	24.59	/	/	<=30	Pass
		Edge 1RB Right	22.22	/	/	23.92	/	/	<=30	Pass
		Outer Full	23.45	/	/	25.15	/	/	<=30	Pass
		Inner Full	24.44	/	/	26.14	/	/	<=30	Pass
		Inner 1RB Left	24.44	/	/	26.14	/	/	<=30	Pass
		Inner 1RB Right	23.59	/	/	25.29	/	/	<=30	Pass
CP-OFDM 64 QAM	3460.02	Edge 1RB Left	22.45	/	/	24.15	/	/	<=30	Pass
		Edge 1RB Right	22.80	/	/	24.50	/	/	<=30	Pass
		Outer Full	22.78	/	/	24.48	/	/	<=30	Pass
		Inner Full	22.79	/	/	24.49	/	/	<=30	Pass
		Inner 1RB Left	22.54	/	/	24.24	/	/	<=30	Pass
		Inner 1RB Right	22.80	/	/	24.50	/	/	<=30	Pass
	3500.01	Edge 1RB Left	21.85	/	/	23.55	/	/	<=30	Pass
		Edge 1RB Right	22.44	/	/	24.14	/	/	<=30	Pass
		Outer Full	22.22	/	/	23.92	/	/	<=30	Pass
		Inner Full	22.18	/	/	23.88	/	/	<=30	Pass
		Inner 1RB Left	21.96	/	/	23.66	/	/	<=30	Pass
		Inner 1RB Right	22.44	/	/	24.14	/	/	<=30	Pass
	3540	Edge 1RB Left	23.03	/	/	24.73	/	/	<=30	Pass
		Edge 1RB Right	22.41	/	/	24.11	/	/	<=30	Pass
		Outer Full	22.93	/	/	24.63	/	/	<=30	Pass
		Inner Full	23.01	/	/	24.71	/	/	<=30	Pass
		Inner 1RB Left	23.08	/	/	24.78	/	/	<=30	Pass
		Inner 1RB Right	22.44	/	/	24.14	/	/	<=30	Pass
CP-OFDM 256 QAM	3460.02	Edge 1RB Left	19.55	/	/	21.25	/	/	<=30	Pass
		Edge 1RB Right	19.90	/	/	21.60	/	/	<=30	Pass
		Outer Full	19.80	/	/	21.50	/	/	<=30	Pass
		Inner Full	19.90	/	/	21.60	/	/	<=30	Pass
		Inner 1RB Left	19.48	/	/	21.18	/	/	<=30	Pass
		Inner 1RB Right	19.92	/	/	21.62	/	/	<=30	Pass
	3500.01	Edge 1RB Left	18.87	/	/	20.57	/	/	<=30	Pass
		Edge 1RB Right	19.38	/	/	21.08	/	/	<=30	Pass
		Outer Full	19.23	/	/	20.93	/	/	<=30	Pass
		Inner Full	19.35	/	/	21.05	/	/	<=30	Pass
		Inner 1RB Left	18.92	/	/	20.62	/	/	<=30	Pass
		Inner 1RB Right	19.37	/	/	21.07	/	/	<=30	Pass
	3540	Edge 1RB Left	20.07	/	/	21.77	/	/	<=30	Pass
		Edge 1RB Right	19.41	/	/	21.11	/	/	<=30	Pass
		Outer Full	19.91	/	/	21.61	/	/	<=30	Pass
		Inner Full	20.03	/	/	21.73	/	/	<=30	Pass
		Inner 1RB Left	20.04	/	/	21.74	/	/	<=30	Pass
		Inner 1RB Right	19.39	/	/	21.09	/	/	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 30k_SISO_30MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Edge_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	23.82	/	/	<=30	Pass
		Outer_Full	25.72	/	/	27.42	/	/	<=30	Pass
		Inner_Full	26.32	/	/	28.02	/	/	<=30	Pass
		Inner_1RB_Left	25.98	/	/	27.68	/	/	<=30	Pass
		Inner_1RB_Right	25.45	/	/	27.15	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.84	/	/	23.54	/	/	<=30	Pass
		Edge_1RB_Right	22.40	/	/	24.10	/	/	<=30	Pass
		Outer_Full	25.23	/	/	26.93	/	/	<=30	Pass
		Inner_Full	25.64	/	/	27.34	/	/	<=30	Pass
		Inner_1RB_Left	25.34	/	/	27.04	/	/	<=30	Pass
		Inner_1RB_Right	25.85	/	/	27.55	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.60	/	/	24.30	/	/	<=30	Pass
		Edge_1RB_Right	22.47	/	/	24.17	/	/	<=30	Pass
		Outer_Full	25.95	/	/	27.65	/	/	<=30	Pass
		Inner_Full	26.52	/	/	28.22	/	/	<=30	Pass
		Inner_1RB_Left	26.12	/	/	27.82	/	/	<=30	Pass
		Inner_1RB_Right	25.99	/	/	27.69	/	/	<=30	Pass
DFT-s-OFDM QPSK	3465	Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.81	/	/	<=30	Pass
		Outer_Full	25.16	/	/	26.86	/	/	<=30	Pass
		Inner_Full	26.20	/	/	27.90	/	/	<=30	Pass
		Inner_1RB_Left	25.90	/	/	27.60	/	/	<=30	Pass
		Inner_1RB_Right	25.53	/	/	27.23	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.87	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	22.40	/	/	24.10	/	/	<=30	Pass
		Outer_Full	24.75	/	/	26.45	/	/	<=30	Pass
		Inner_Full	25.70	/	/	27.40	/	/	<=30	Pass
		Inner_1RB_Left	25.36	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Right	25.85	/	/	27.55	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.51	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	22.40	/	/	24.10	/	/	<=30	Pass
		Outer_Full	25.42	/	/	27.12	/	/	<=30	Pass
		Inner_Full	26.56	/	/	28.26	/	/	<=30	Pass
		Inner_1RB_Left	26.06	/	/	27.76	/	/	<=30	Pass
		Inner_1RB_Right	25.89	/	/	27.59	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3465	Edge_1RB_Left	22.40	/	/	24.10	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	23.63	/	/	<=30	Pass
		Outer_Full	24.22	/	/	25.92	/	/	<=30	Pass
		Inner_Full	25.30	/	/	27.00	/	/	<=30	Pass
		Inner_1RB_Left	24.84	/	/	26.54	/	/	<=30	Pass
		Inner_1RB_Right	24.41	/	/	26.11	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.93	/	/	23.63	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.81	/	/	<=30	Pass
		Outer_Full	23.74	/	/	25.44	/	/	<=30	Pass
		Inner_Full	24.77	/	/	26.47	/	/	<=30	Pass
		Inner_1RB_Left	24.03	/	/	25.73	/	/	<=30	Pass
		Inner_1RB_Right	24.64	/	/	26.34	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.40	/	/	24.10	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	23.93	/	/	<=30	Pass
		Outer_Full	24.73	/	/	26.43	/	/	<=30	Pass
		Inner_Full	25.59	/	/	27.29	/	/	<=30	Pass
		Inner_1RB_Left	24.93	/	/	26.63	/	/	<=30	Pass
		Inner_1RB_Right	24.87	/	/	26.57	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3465	Edge_1RB_Left	22.47	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	23.77	/	/	<=30	Pass

		Outer_Full	23.72	/	/	25.42	/	/	<=30	Pass
		Inner_Full	23.92	/	/	25.62	/	/	<=30	Pass
		Inner_1RB_Left	23.49	/	/	25.19	/	/	<=30	Pass
		Inner_1RB_Right	23.09	/	/	24.79	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.88	/	/	23.58	/	/	<=30	Pass
		Edge_1RB_Right	22.45	/	/	24.15	/	/	<=30	Pass
		Outer_Full	23.16	/	/	24.86	/	/	<=30	Pass
		Inner_Full	23.18	/	/	24.88	/	/	<=30	Pass
		Inner_1RB_Left	22.83	/	/	24.53	/	/	<=30	Pass
		Inner_1RB_Right	23.28	/	/	24.98	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.54	/	/	24.24	/	/	<=30	Pass
		Edge_1RB_Right	22.39	/	/	24.09	/	/	<=30	Pass
		Outer_Full	23.90	/	/	25.60	/	/	<=30	Pass
		Inner_Full	24.09	/	/	25.79	/	/	<=30	Pass
		Inner_1RB_Left	23.68	/	/	25.38	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3465	Inner_1RB_Right	23.47	/	/	25.17	/	/	<=30	Pass
		Edge_1RB_Left	21.50	/	/	23.20	/	/	<=30	Pass
		Edge_1RB_Right	21.15	/	/	22.85	/	/	<=30	Pass
		Outer_Full	21.72	/	/	23.42	/	/	<=30	Pass
		Inner_Full	21.82	/	/	23.52	/	/	<=30	Pass
		Inner_1RB_Left	21.54	/	/	23.24	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	21.18	/	/	22.88	/	/	<=30	Pass
		Edge_1RB_Left	20.89	/	/	22.59	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	23.10	/	/	<=30	Pass
		Outer_Full	21.24	/	/	22.94	/	/	<=30	Pass
		Inner_Full	21.15	/	/	22.85	/	/	<=30	Pass
		Inner_1RB_Left	20.95	/	/	22.65	/	/	<=30	Pass
	3534.99	Inner_1RB_Right	21.40	/	/	23.10	/	/	<=30	Pass
		Edge_1RB_Left	21.63	/	/	23.33	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	23.24	/	/	<=30	Pass
		Outer_Full	21.93	/	/	23.63	/	/	<=30	Pass
		Inner_Full	22.12	/	/	23.82	/	/	<=30	Pass
		Inner_1RB_Left	21.73	/	/	23.43	/	/	<=30	Pass
CP-OFDM QPSK	3465	Inner_1RB_Right	21.56	/	/	23.26	/	/	<=30	Pass
		Edge_1RB_Left	22.52	/	/	24.22	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	23.84	/	/	<=30	Pass
		Outer_Full	23.20	/	/	24.90	/	/	<=30	Pass
		Inner_Full	24.83	/	/	26.53	/	/	<=30	Pass
		Inner_1RB_Left	24.46	/	/	26.16	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.87	/	/	25.57	/	/	<=30	Pass
		Edge_1RB_Left	21.91	/	/	23.61	/	/	<=30	Pass
		Edge_1RB_Right	22.39	/	/	24.09	/	/	<=30	Pass
		Outer_Full	22.77	/	/	24.47	/	/	<=30	Pass
		Inner_Full	24.26	/	/	25.96	/	/	<=30	Pass
		Inner_1RB_Left	23.98	/	/	25.68	/	/	<=30	Pass
	3534.99	Inner_1RB_Right	24.14	/	/	25.84	/	/	<=30	Pass
		Edge_1RB_Left	22.67	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	22.42	/	/	24.12	/	/	<=30	Pass
		Outer_Full	23.42	/	/	25.12	/	/	<=30	Pass
		Inner_Full	25.05	/	/	26.75	/	/	<=30	Pass
		Inner_1RB_Left	24.56	/	/	26.26	/	/	<=30	Pass
CP-OFDM 16 QAM	3465	Inner_1RB_Right	24.56	/	/	26.26	/	/	<=30	Pass
		Edge_1RB_Left	22.60	/	/	24.30	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	23.78	/	/	<=30	Pass
		Outer_Full	23.22	/	/	24.92	/	/	<=30	Pass
		Inner_Full	24.32	/	/	26.02	/	/	<=30	Pass
		Inner_1RB_Left	23.94	/	/	25.64	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	23.37	/	/	25.07	/	/	<=30	Pass
		Edge_1RB_Left	21.80	/	/	23.50	/	/	<=30	Pass

		Edge_1RB_Right	22.31	/	/	24.01	/	/	<=30	Pass
		Outer_Full	22.74	/	/	24.44	/	/	<=30	Pass
		Inner_Full	23.69	/	/	25.39	/	/	<=30	Pass
		Inner_1RB_Left	23.39	/	/	25.09	/	/	<=30	Pass
		Inner_1RB_Right	23.82	/	/	25.52	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.55	/	/	24.25	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	24.11	/	/	<=30	Pass
		Outer_Full	23.42	/	/	25.12	/	/	<=30	Pass
		Inner_Full	24.57	/	/	26.27	/	/	<=30	Pass
		Inner_1RB_Left	24.07	/	/	25.77	/	/	<=30	Pass
	Inner_1RB_Right	23.67	/	/	25.37	/	/	<=30	Pass	
CP-OFDM 64 QAM	3465	Edge_1RB_Left	22.41	/	/	24.11	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	23.74	/	/	<=30	Pass
		Outer_Full	22.72	/	/	24.42	/	/	<=30	Pass
		Inner_Full	22.86	/	/	24.56	/	/	<=30	Pass
		Inner_1RB_Left	22.50	/	/	24.20	/	/	<=30	Pass
		Inner_1RB_Right	22.06	/	/	23.76	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.95	/	/	23.65	/	/	<=30	Pass
		Edge_1RB_Right	22.36	/	/	24.06	/	/	<=30	Pass
		Outer_Full	22.30	/	/	24.00	/	/	<=30	Pass
		Inner_Full	22.28	/	/	23.98	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	23.66	/	/	<=30	Pass
		Inner_1RB_Right	22.52	/	/	24.22	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	22.60	/	/	24.30	/	/	<=30	Pass
		Outer_Full	23.01	/	/	24.71	/	/	<=30	Pass
Inner_Full		23.14	/	/	24.84	/	/	<=30	Pass	
Inner_1RB_Left		22.62	/	/	24.32	/	/	<=30	Pass	
Inner_1RB_Right		22.40	/	/	24.10	/	/	<=30	Pass	
CP-OFDM 256 QAM	3465	Edge_1RB_Left	19.54	/	/	21.24	/	/	<=30	Pass
		Edge_1RB_Right	19.06	/	/	20.76	/	/	<=30	Pass
		Outer_Full	19.74	/	/	21.44	/	/	<=30	Pass
		Inner_Full	19.82	/	/	21.52	/	/	<=30	Pass
		Inner_1RB_Left	19.63	/	/	21.33	/	/	<=30	Pass
		Inner_1RB_Right	19.25	/	/	20.95	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.92	/	/	20.62	/	/	<=30	Pass
		Edge_1RB_Right	19.52	/	/	21.22	/	/	<=30	Pass
		Outer_Full	19.28	/	/	20.98	/	/	<=30	Pass
		Inner_Full	19.22	/	/	20.92	/	/	<=30	Pass
		Inner_1RB_Left	19.03	/	/	20.73	/	/	<=30	Pass
		Inner_1RB_Right	19.49	/	/	21.19	/	/	<=30	Pass
	3534.99	Edge_1RB_Left	19.52	/	/	21.22	/	/	<=30	Pass
		Edge_1RB_Right	19.49	/	/	21.19	/	/	<=30	Pass
		Outer_Full	19.98	/	/	21.68	/	/	<=30	Pass
Inner_Full		20.01	/	/	21.71	/	/	<=30	Pass	
Inner_1RB_Left		19.67	/	/	21.37	/	/	<=30	Pass	
	Inner_1RB_Right	19.57	/	/	21.27	/	/	<=30	Pass	
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 30k_SISO_40MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 40MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Edge_1RB_Left	22.57	/	/	24.27	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	23.75	/	/	<=30	Pass
		Outer_Full	25.60	/	/	27.30	/	/	<=30	Pass

		Inner_Full	26.25	/	/	27.95	/	/	<=30	Pass
		Inner_1RB_Left	26.12	/	/	27.82	/	/	<=30	Pass
		Inner_1RB_Right	25.48	/	/	27.18	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.81	/	/	23.51	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	23.95	/	/	<=30	Pass
		Outer_Full	25.05	/	/	26.75	/	/	<=30	Pass
		Inner_Full	25.54	/	/	27.24	/	/	<=30	Pass
		Inner_1RB_Left	25.40	/	/	27.10	/	/	<=30	Pass
		Inner_1RB_Right	25.87	/	/	27.57	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.26	/	/	23.96	/	/	<=30	Pass
		Edge_1RB_Right	22.28	/	/	23.98	/	/	<=30	Pass
		Outer_Full	25.65	/	/	27.35	/	/	<=30	Pass
		Inner_Full	26.17	/	/	27.87	/	/	<=30	Pass
		Inner_1RB_Left	25.84	/	/	27.54	/	/	<=30	Pass
		Inner_1RB_Right	25.85	/	/	27.55	/	/	<=30	Pass
DFT-s-OFDM QPSK	3470.01	Edge_1RB_Left	22.52	/	/	24.22	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass
		Outer_Full	25.03	/	/	26.73	/	/	<=30	Pass
		Inner_Full	26.20	/	/	27.90	/	/	<=30	Pass
		Inner_1RB_Left	26.07	/	/	27.77	/	/	<=30	Pass
		Inner_1RB_Right	25.22	/	/	26.92	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.89	/	/	23.59	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	24.05	/	/	<=30	Pass
		Outer_Full	24.54	/	/	26.24	/	/	<=30	Pass
		Inner_Full	25.51	/	/	27.21	/	/	<=30	Pass
		Inner_1RB_Left	25.46	/	/	27.16	/	/	<=30	Pass
		Inner_1RB_Right	25.75	/	/	27.45	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.21	/	/	23.91	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	24.00	/	/	<=30	Pass
		Outer_Full	25.20	/	/	26.90	/	/	<=30	Pass
		Inner_Full	26.13	/	/	27.83	/	/	<=30	Pass
		Inner_1RB_Left	25.66	/	/	27.36	/	/	<=30	Pass
		Inner_1RB_Right	25.80	/	/	27.50	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3470.01	Edge_1RB_Left	22.44	/	/	24.14	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	23.50	/	/	<=30	Pass
		Outer_Full	24.09	/	/	25.79	/	/	<=30	Pass
		Inner_Full	25.13	/	/	26.83	/	/	<=30	Pass
		Inner_1RB_Left	24.85	/	/	26.55	/	/	<=30	Pass
		Inner_1RB_Right	24.14	/	/	25.84	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.79	/	/	23.49	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	23.89	/	/	<=30	Pass
		Outer_Full	23.58	/	/	25.28	/	/	<=30	Pass
		Inner_Full	24.58	/	/	26.28	/	/	<=30	Pass
		Inner_1RB_Left	24.23	/	/	25.93	/	/	<=30	Pass
		Inner_1RB_Right	24.81	/	/	26.51	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.20	/	/	23.90	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	23.94	/	/	<=30	Pass
		Outer_Full	24.11	/	/	25.81	/	/	<=30	Pass
		Inner_Full	25.31	/	/	27.01	/	/	<=30	Pass
		Inner_1RB_Left	24.72	/	/	26.42	/	/	<=30	Pass
		Inner_1RB_Right	24.70	/	/	26.40	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3470.01	Edge_1RB_Left	22.52	/	/	24.22	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	23.55	/	/	<=30	Pass
		Outer_Full	23.58	/	/	25.28	/	/	<=30	Pass
		Inner_Full	23.65	/	/	25.35	/	/	<=30	Pass
		Inner_1RB_Left	23.53	/	/	25.23	/	/	<=30	Pass
		Inner_1RB_Right	22.84	/	/	24.54	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.00	/	/	23.70	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	24.20	/	/	<=30	Pass

		Outer_Full	23.08	/	/	24.78	/	/	<=30	Pass
		Inner_Full	23.04	/	/	24.74	/	/	<=30	Pass
		Inner_1RB_Left	22.92	/	/	24.62	/	/	<=30	Pass
		Inner_1RB_Right	23.47	/	/	25.17	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.34	/	/	24.04	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	23.94	/	/	<=30	Pass
		Outer_Full	23.80	/	/	25.50	/	/	<=30	Pass
		Inner_Full	23.71	/	/	25.41	/	/	<=30	Pass
		Inner_1RB_Left	23.32	/	/	25.02	/	/	<=30	Pass
		Inner_1RB_Right	23.31	/	/	25.01	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3470.01	Edge_1RB_Left	21.49	/	/	23.19	/	/	<=30	Pass
		Edge_1RB_Right	20.88	/	/	22.58	/	/	<=30	Pass
		Outer_Full	21.55	/	/	23.25	/	/	<=30	Pass
		Inner_Full	21.78	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Left	21.52	/	/	23.22	/	/	<=30	Pass
		Inner_1RB_Right	20.81	/	/	22.51	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	20.92	/	/	22.62	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	23.20	/	/	<=30	Pass
		Outer_Full	21.13	/	/	22.83	/	/	<=30	Pass
		Inner_Full	21.10	/	/	22.80	/	/	<=30	Pass
		Inner_1RB_Left	20.92	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Right	21.31	/	/	23.01	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	21.40	/	/	23.10	/	/	<=30	Pass
		Edge_1RB_Right	21.25	/	/	22.95	/	/	<=30	Pass
		Outer_Full	21.78	/	/	23.48	/	/	<=30	Pass
		Inner_Full	21.69	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Left	21.34	/	/	23.04	/	/	<=30	Pass
		Inner_1RB_Right	21.22	/	/	22.92	/	/	<=30	Pass
CP-OFDM QPSK	3470.01	Edge_1RB_Left	22.58	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	23.53	/	/	<=30	Pass
		Outer_Full	23.01	/	/	24.71	/	/	<=30	Pass
		Inner_Full	24.61	/	/	26.31	/	/	<=30	Pass
		Inner_1RB_Left	24.57	/	/	26.27	/	/	<=30	Pass
		Inner_1RB_Right	23.74	/	/	25.44	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.99	/	/	23.69	/	/	<=30	Pass
		Edge_1RB_Right	22.42	/	/	24.12	/	/	<=30	Pass
		Outer_Full	22.61	/	/	24.31	/	/	<=30	Pass
		Inner_Full	24.11	/	/	25.81	/	/	<=30	Pass
		Inner_1RB_Left	23.73	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Right	24.35	/	/	26.05	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.32	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	23.95	/	/	<=30	Pass
		Outer_Full	23.14	/	/	24.84	/	/	<=30	Pass
		Inner_Full	24.70	/	/	26.40	/	/	<=30	Pass
		Inner_1RB_Left	24.51	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Right	24.32	/	/	26.02	/	/	<=30	Pass
CP-OFDM 16 QAM	3470.01	Edge_1RB_Left	22.39	/	/	24.09	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	23.41	/	/	<=30	Pass
		Outer_Full	22.94	/	/	24.64	/	/	<=30	Pass
		Inner_Full	24.05	/	/	25.75	/	/	<=30	Pass
		Inner_1RB_Left	23.67	/	/	25.37	/	/	<=30	Pass
		Inner_1RB_Right	23.15	/	/	24.85	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.83	/	/	23.53	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.80	/	/	<=30	Pass
		Outer_Full	22.56	/	/	24.26	/	/	<=30	Pass
		Inner_Full	23.58	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Left	23.27	/	/	24.97	/	/	<=30	Pass
		Inner_1RB_Right	23.72	/	/	25.42	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.20	/	/	23.90	/	/	<=30	Pass

		Edge_1RB_Right	22.21	/	/	23.91	/	/	<=30	Pass
		Outer_Full	23.02	/	/	24.72	/	/	<=30	Pass
		Inner_Full	24.19	/	/	25.89	/	/	<=30	Pass
		Inner_1RB_Left	23.52	/	/	25.22	/	/	<=30	Pass
		Inner_1RB_Right	23.54	/	/	25.24	/	/	<=30	Pass
CP-OFDM 64 QAM	3470.01	Edge_1RB_Left	22.37	/	/	24.07	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	23.56	/	/	<=30	Pass
		Outer_Full	22.52	/	/	24.22	/	/	<=30	Pass
		Inner_Full	22.54	/	/	24.24	/	/	<=30	Pass
		Inner_1RB_Left	22.41	/	/	24.11	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	23.53	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.92	/	/	23.62	/	/	<=30	Pass
		Edge_1RB_Right	22.37	/	/	24.07	/	/	<=30	Pass
		Outer_Full	22.08	/	/	23.78	/	/	<=30	Pass
		Inner_Full	22.10	/	/	23.80	/	/	<=30	Pass
		Inner_1RB_Left	21.80	/	/	23.50	/	/	<=30	Pass
		Inner_1RB_Right	22.32	/	/	24.02	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	22.29	/	/	23.99	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	23.75	/	/	<=30	Pass
		Outer_Full	22.62	/	/	24.32	/	/	<=30	Pass
Inner_Full		22.72	/	/	24.42	/	/	<=30	Pass	
Inner_1RB_Left		22.32	/	/	24.02	/	/	<=30	Pass	
Inner_1RB_Right		22.13	/	/	23.83	/	/	<=30	Pass	
CP-OFDM 256 QAM	3470.01	Edge_1RB_Left	19.43	/	/	21.13	/	/	<=30	Pass
		Edge_1RB_Right	18.87	/	/	20.57	/	/	<=30	Pass
		Outer_Full	19.51	/	/	21.21	/	/	<=30	Pass
		Inner_Full	19.67	/	/	21.37	/	/	<=30	Pass
		Inner_1RB_Left	19.41	/	/	21.11	/	/	<=30	Pass
		Inner_1RB_Right	18.93	/	/	20.63	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.94	/	/	20.64	/	/	<=30	Pass
		Edge_1RB_Right	19.36	/	/	21.06	/	/	<=30	Pass
		Outer_Full	19.11	/	/	20.81	/	/	<=30	Pass
		Inner_Full	19.16	/	/	20.86	/	/	<=30	Pass
		Inner_1RB_Left	18.90	/	/	20.60	/	/	<=30	Pass
		Inner_1RB_Right	19.44	/	/	21.14	/	/	<=30	Pass
	3529.98	Edge_1RB_Left	19.38	/	/	21.08	/	/	<=30	Pass
		Edge_1RB_Right	19.31	/	/	21.01	/	/	<=30	Pass
		Outer_Full	19.76	/	/	21.46	/	/	<=30	Pass
Inner_Full		19.90	/	/	21.60	/	/	<=30	Pass	
Inner_1RB_Left		19.50	/	/	21.20	/	/	<=30	Pass	
Inner_1RB_Right		19.34	/	/	21.04	/	/	<=30	Pass	
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 30k_SISO_60MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Edge 1RB Left	22.02	/	/	23.72	/	/	<=30	Pass
		Edge 1RB Right	22.00	/	/	23.70	/	/	<=30	Pass
		Outer_Full	25.00	/	/	26.70	/	/	<=30	Pass
		Inner_Full	25.33	/	/	27.03	/	/	<=30	Pass
		Inner_1RB_Left	25.45	/	/	27.15	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	25.52	/	/	27.22	/	/	<=30	Pass
		Edge 1RB Left	22.23	/	/	23.93	/	/	<=30	Pass
		Edge 1RB Right	22.57	/	/	24.27	/	/	<=30	Pass
		Outer_Full	24.92	/	/	26.62	/	/	<=30	Pass

		Inner_Full	25.25	/	/	26.95	/	/	<=30	Pass
		Inner_1RB_Left	25.74	/	/	27.44	/	/	<=30	Pass
		Inner_1RB_Right	25.98	/	/	27.68	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.50	/	/	23.20	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	23.86	/	/	<=30	Pass
		Outer_Full	25.19	/	/	26.89	/	/	<=30	Pass
		Inner_Full	25.84	/	/	27.54	/	/	<=30	Pass
		Inner_1RB_Left	25.03	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Right	25.57	/	/	27.27	/	/	<=30	Pass
DFT-s-OFDM QPSK	3480	Edge_1RB_Left	22.02	/	/	23.72	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	23.67	/	/	<=30	Pass
		Outer_Full	24.54	/	/	26.24	/	/	<=30	Pass
		Inner_Full	25.51	/	/	27.21	/	/	<=30	Pass
		Inner_1RB_Left	25.50	/	/	27.20	/	/	<=30	Pass
		Inner_1RB_Right	25.40	/	/	27.10	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.23	/	/	23.93	/	/	<=30	Pass
		Edge_1RB_Right	22.55	/	/	24.25	/	/	<=30	Pass
		Outer_Full	24.42	/	/	26.12	/	/	<=30	Pass
		Inner_Full	25.31	/	/	27.01	/	/	<=30	Pass
		Inner_1RB_Left	25.65	/	/	27.35	/	/	<=30	Pass
		Inner_1RB_Right	25.85	/	/	27.55	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.55	/	/	23.25	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	23.65	/	/	<=30	Pass
		Outer_Full	24.82	/	/	26.52	/	/	<=30	Pass
		Inner_Full	25.85	/	/	27.55	/	/	<=30	Pass
		Inner_1RB_Left	25.00	/	/	26.70	/	/	<=30	Pass
		Inner_1RB_Right	25.39	/	/	27.09	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3480	Edge_1RB_Left	21.93	/	/	23.63	/	/	<=30	Pass
		Edge_1RB_Right	21.88	/	/	23.58	/	/	<=30	Pass
		Outer_Full	23.50	/	/	25.20	/	/	<=30	Pass
		Inner_Full	24.41	/	/	26.11	/	/	<=30	Pass
		Inner_1RB_Left	24.29	/	/	25.99	/	/	<=30	Pass
		Inner_1RB_Right	24.34	/	/	26.04	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.15	/	/	23.85	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	24.20	/	/	<=30	Pass
		Outer_Full	23.42	/	/	25.12	/	/	<=30	Pass
		Inner_Full	24.37	/	/	26.07	/	/	<=30	Pass
		Inner_1RB_Left	24.53	/	/	26.23	/	/	<=30	Pass
		Inner_1RB_Right	24.71	/	/	26.41	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.42	/	/	23.12	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	23.62	/	/	<=30	Pass
		Outer_Full	23.82	/	/	25.52	/	/	<=30	Pass
		Inner_Full	24.86	/	/	26.56	/	/	<=30	Pass
		Inner_1RB_Left	23.85	/	/	25.55	/	/	<=30	Pass
		Inner_1RB_Right	24.26	/	/	25.96	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3480	Edge_1RB_Left	21.94	/	/	23.64	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	23.67	/	/	<=30	Pass
		Outer_Full	23.07	/	/	24.77	/	/	<=30	Pass
		Inner_Full	22.91	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Left	22.98	/	/	24.68	/	/	<=30	Pass
		Inner_1RB_Right	23.08	/	/	24.78	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.19	/	/	23.89	/	/	<=30	Pass
		Edge_1RB_Right	22.47	/	/	24.17	/	/	<=30	Pass
		Outer_Full	22.95	/	/	24.65	/	/	<=30	Pass
		Inner_Full	22.83	/	/	24.53	/	/	<=30	Pass
		Inner_1RB_Left	23.17	/	/	24.87	/	/	<=30	Pass
		Inner_1RB_Right	23.45	/	/	25.15	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.48	/	/	23.18	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	23.69	/	/	<=30	Pass

		Outer_Full	23.26	/	/	24.96	/	/	<=30	Pass
		Inner_Full	23.30	/	/	25.00	/	/	<=30	Pass
		Inner_1RB_Left	22.54	/	/	24.24	/	/	<=30	Pass
		Inner_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3480	Edge_1RB_Left	21.02	/	/	22.72	/	/	<=30	Pass
		Edge_1RB_Right	21.00	/	/	22.70	/	/	<=30	Pass
		Outer_Full	21.12	/	/	22.82	/	/	<=30	Pass
		Inner_Full	20.93	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Left	21.03	/	/	22.73	/	/	<=30	Pass
		Inner_1RB_Right	21.05	/	/	22.75	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.30	/	/	23.00	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	23.23	/	/	<=30	Pass
		Outer_Full	21.02	/	/	22.72	/	/	<=30	Pass
		Inner_Full	20.88	/	/	22.58	/	/	<=30	Pass
		Inner_1RB_Left	21.17	/	/	22.87	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	23.07	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	20.53	/	/	22.23	/	/	<=30	Pass
		Edge_1RB_Right	20.91	/	/	22.61	/	/	<=30	Pass
		Outer_Full	21.34	/	/	23.04	/	/	<=30	Pass
		Inner_Full	21.38	/	/	23.08	/	/	<=30	Pass
		Inner_1RB_Left	20.57	/	/	22.27	/	/	<=30	Pass
		Inner_1RB_Right	20.97	/	/	22.67	/	/	<=30	Pass
CP-OFDM QPSK	3480	Edge_1RB_Left	21.99	/	/	23.69	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.79	/	/	<=30	Pass
		Outer_Full	22.57	/	/	24.27	/	/	<=30	Pass
		Inner_Full	23.91	/	/	25.61	/	/	<=30	Pass
		Inner_1RB_Left	23.95	/	/	25.65	/	/	<=30	Pass
		Inner_1RB_Right	23.93	/	/	25.63	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.23	/	/	23.93	/	/	<=30	Pass
		Edge_1RB_Right	22.36	/	/	24.06	/	/	<=30	Pass
		Outer_Full	22.44	/	/	24.14	/	/	<=30	Pass
		Inner_Full	23.83	/	/	25.53	/	/	<=30	Pass
		Inner_1RB_Left	24.30	/	/	26.00	/	/	<=30	Pass
		Inner_1RB_Right	24.38	/	/	26.08	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.55	/	/	23.25	/	/	<=30	Pass
		Edge_1RB_Right	22.15	/	/	23.85	/	/	<=30	Pass
		Outer_Full	22.75	/	/	24.45	/	/	<=30	Pass
		Inner_Full	24.40	/	/	26.10	/	/	<=30	Pass
		Inner_1RB_Left	23.56	/	/	25.26	/	/	<=30	Pass
		Inner_1RB_Right	24.02	/	/	25.72	/	/	<=30	Pass
CP-OFDM 16 QAM	3480	Edge_1RB_Left	21.86	/	/	23.56	/	/	<=30	Pass
		Edge_1RB_Right	21.91	/	/	23.61	/	/	<=30	Pass
		Outer_Full	22.49	/	/	24.19	/	/	<=30	Pass
		Inner_Full	23.41	/	/	25.11	/	/	<=30	Pass
		Inner_1RB_Left	23.35	/	/	25.05	/	/	<=30	Pass
		Inner_1RB_Right	23.19	/	/	24.89	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.12	/	/	23.82	/	/	<=30	Pass
		Edge_1RB_Right	22.48	/	/	24.18	/	/	<=30	Pass
		Outer_Full	22.45	/	/	24.15	/	/	<=30	Pass
		Inner_Full	23.37	/	/	25.07	/	/	<=30	Pass
		Inner_1RB_Left	23.56	/	/	25.26	/	/	<=30	Pass
		Inner_1RB_Right	23.80	/	/	25.50	/	/	<=30	Pass
	3519.99	Edge_1RB_Left	21.48	/	/	23.18	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	23.51	/	/	<=30	Pass
		Outer_Full	22.82	/	/	24.52	/	/	<=30	Pass
		Inner_Full	23.84	/	/	25.54	/	/	<=30	Pass
		Inner_1RB_Left	22.87	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Right	23.40	/	/	25.10	/	/	<=30	Pass
CP-OFDM 64 QAM	3480	Edge_1RB_Left	22.07	/	/	23.77	/	/	<=30	Pass

		Edge 1RB Right	22.07	/	/	23.77	/	/	<=30	Pass
		Outer_Full	22.02	/	/	23.72	/	/	<=30	Pass
		Inner_Full	22.00	/	/	23.70	/	/	<=30	Pass
		Inner_1RB_Left	22.19	/	/	23.89	/	/	<=30	Pass
		Inner_1RB_Right	22.11	/	/	23.81	/	/	<=30	Pass
	3500.01	Edge 1RB Left	22.37	/	/	24.07	/	/	<=30	Pass
		Edge 1RB Right	22.58	/	/	24.28	/	/	<=30	Pass
		Outer_Full	21.92	/	/	23.62	/	/	<=30	Pass
		Inner_Full	21.86	/	/	23.56	/	/	<=30	Pass
		Inner_1RB_Left	22.42	/	/	24.12	/	/	<=30	Pass
	3519.99	Inner_1RB_Right	22.58	/	/	24.28	/	/	<=30	Pass
		Edge 1RB Left	21.65	/	/	23.35	/	/	<=30	Pass
		Edge 1RB Right	22.01	/	/	23.71	/	/	<=30	Pass
		Outer_Full	22.38	/	/	24.08	/	/	<=30	Pass
		Inner_Full	22.44	/	/	24.14	/	/	<=30	Pass
CP-OFDM 256 QAM	3480	Inner_1RB_Left	21.69	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Right	22.01	/	/	23.71	/	/	<=30	Pass
		Edge 1RB Left	19.11	/	/	20.81	/	/	<=30	Pass
		Edge 1RB Right	18.99	/	/	20.69	/	/	<=30	Pass
		Outer_Full	19.07	/	/	20.77	/	/	<=30	Pass
	3500.01	Inner_Full	18.94	/	/	20.64	/	/	<=30	Pass
		Inner_1RB_Left	19.11	/	/	20.81	/	/	<=30	Pass
		Inner_1RB_Right	19.09	/	/	20.79	/	/	<=30	Pass
		Edge 1RB Left	19.31	/	/	21.01	/	/	<=30	Pass
		Edge 1RB Right	19.66	/	/	21.36	/	/	<=30	Pass
	3519.99	Outer_Full	19.07	/	/	20.77	/	/	<=30	Pass
		Inner_Full	18.85	/	/	20.55	/	/	<=30	Pass
		Inner_1RB_Left	19.28	/	/	20.98	/	/	<=30	Pass
		Inner_1RB_Right	19.72	/	/	21.42	/	/	<=30	Pass
		Edge 1RB Left	18.55	/	/	20.25	/	/	<=30	Pass
	Edge 1RB Right	19.03	/	/	20.73	/	/	<=30	Pass	
	Outer_Full	19.33	/	/	21.03	/	/	<=30	Pass	
	Inner_Full	19.38	/	/	21.08	/	/	<=30	Pass	
	Inner_1RB_Left	18.65	/	/	20.35	/	/	<=30	Pass	
	Inner_1RB_Right	19.03	/	/	20.73	/	/	<=30	Pass	
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30k_SISO_80MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3490.02	Edge 1RB Left	21.79	/	/	23.49	/	/	<=30	Pass
		Edge 1RB Right	22.42	/	/	24.12	/	/	<=30	Pass
		Outer Full	24.89	/	/	26.59	/	/	<=30	Pass
		Inner Full	25.15	/	/	26.85	/	/	<=30	Pass
		Inner 1RB Left	25.43	/	/	27.13	/	/	<=30	Pass
		Inner 1RB Right	25.78	/	/	27.48	/	/	<=30	Pass
	3500.01	Edge 1RB Left	22.28	/	/	23.98	/	/	<=30	Pass
		Edge 1RB Right	22.48	/	/	24.18	/	/	<=30	Pass
		Outer Full	24.92	/	/	26.62	/	/	<=30	Pass
		Inner Full	25.15	/	/	26.85	/	/	<=30	Pass
		Inner 1RB Left	25.73	/	/	27.43	/	/	<=30	Pass
		Inner 1RB Right	25.87	/	/	27.57	/	/	<=30	Pass
	3510	Edge 1RB Left	22.08	/	/	23.78	/	/	<=30	Pass
		Edge 1RB Right	21.72	/	/	23.42	/	/	<=30	Pass
		Outer Full	24.94	/	/	26.64	/	/	<=30	Pass

		Inner_Full	25.36	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Left	25.52	/	/	27.22	/	/	<=30	Pass
		Inner_1RB_Right	25.26	/	/	26.96	/	/	<=30	Pass
DFT-s-OFDM QPSK	3490.02	Edge_1RB_Left	21.75	/	/	23.45	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	24.05	/	/	<=30	Pass
		Outer_Full	24.41	/	/	26.11	/	/	<=30	Pass
		Inner_Full	25.17	/	/	26.87	/	/	<=30	Pass
		Inner_1RB_Left	25.27	/	/	26.97	/	/	<=30	Pass
		Inner_1RB_Right	25.66	/	/	27.36	/	/	<=30	Pass
		Edge_1RB_Left	22.11	/	/	23.81	/	/	<=30	Pass
		Edge_1RB_Right	22.37	/	/	24.07	/	/	<=30	Pass
	3500.01	Outer_Full	24.38	/	/	26.08	/	/	<=30	Pass
		Inner_Full	25.12	/	/	26.82	/	/	<=30	Pass
		Inner_1RB_Left	25.66	/	/	27.36	/	/	<=30	Pass
		Inner_1RB_Right	25.90	/	/	27.60	/	/	<=30	Pass
		Edge_1RB_Left	22.04	/	/	23.74	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	23.41	/	/	<=30	Pass
	3510	Outer_Full	24.45	/	/	26.15	/	/	<=30	Pass
		Inner_Full	25.43	/	/	27.13	/	/	<=30	Pass
		Inner_1RB_Left	25.49	/	/	27.19	/	/	<=30	Pass
		Inner_1RB_Right	25.23	/	/	26.93	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3490.02	Edge_1RB_Left	21.70	/	/	23.40	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	23.93	/	/	<=30	Pass
		Outer_Full	23.39	/	/	25.09	/	/	<=30	Pass
		Inner_Full	24.16	/	/	25.86	/	/	<=30	Pass
		Inner_1RB_Left	24.15	/	/	25.85	/	/	<=30	Pass
		Inner_1RB_Right	24.55	/	/	26.25	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.12	/	/	23.82	/	/	<=30	Pass
		Edge_1RB_Right	22.28	/	/	23.98	/	/	<=30	Pass
		Outer_Full	23.45	/	/	25.15	/	/	<=30	Pass
		Inner_Full	24.19	/	/	25.89	/	/	<=30	Pass
		Inner_1RB_Left	24.60	/	/	26.30	/	/	<=30	Pass
		Inner_1RB_Right	24.75	/	/	26.45	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.00	/	/	23.70	/	/	<=30	Pass
		Edge_1RB_Right	21.65	/	/	23.35	/	/	<=30	Pass
		Outer_Full	23.51	/	/	25.21	/	/	<=30	Pass
		Inner_Full	24.35	/	/	26.05	/	/	<=30	Pass
		Inner_1RB_Left	24.44	/	/	26.14	/	/	<=30	Pass
		Inner_1RB_Right	24.12	/	/	25.82	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3490.02	Edge_1RB_Left	21.80	/	/	23.50	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	23.94	/	/	<=30	Pass
		Outer_Full	22.96	/	/	24.66	/	/	<=30	Pass
		Inner_Full	22.72	/	/	24.42	/	/	<=30	Pass
		Inner_1RB_Left	22.86	/	/	24.56	/	/	<=30	Pass
		Inner_1RB_Right	23.25	/	/	24.95	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	22.20	/	/	23.90	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	24.01	/	/	<=30	Pass
		Outer_Full	22.98	/	/	24.68	/	/	<=30	Pass
		Inner_Full	22.72	/	/	24.42	/	/	<=30	Pass
		Inner_1RB_Left	23.36	/	/	25.06	/	/	<=30	Pass
		Inner_1RB_Right	23.38	/	/	25.08	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.12	/	/	23.82	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	23.43	/	/	<=30	Pass
		Outer_Full	22.94	/	/	24.64	/	/	<=30	Pass
		Inner_Full	22.97	/	/	24.67	/	/	<=30	Pass
		Inner_1RB_Left	23.07	/	/	24.77	/	/	<=30	Pass
		Inner_1RB_Right	22.75	/	/	24.45	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3490.02	Edge_1RB_Left	20.83	/	/	22.53	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	22.97	/	/	<=30	Pass

		Outer_Full	21.03	/	/	22.73	/	/	<=30	Pass
		Inner_Full	20.63	/	/	22.33	/	/	<=30	Pass
		Inner_1RB_Left	20.98	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Right	21.34	/	/	23.04	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.21	/	/	22.91	/	/	<=30	Pass
		Edge_1RB_Right	21.41	/	/	23.11	/	/	<=30	Pass
		Outer_Full	21.03	/	/	22.73	/	/	<=30	Pass
		Inner_Full	20.73	/	/	22.43	/	/	<=30	Pass
		Inner_1RB_Left	21.25	/	/	22.95	/	/	<=30	Pass
		Inner_1RB_Right	21.42	/	/	23.12	/	/	<=30	Pass
	3510	Edge_1RB_Left	21.13	/	/	22.83	/	/	<=30	Pass
		Edge_1RB_Right	20.76	/	/	22.46	/	/	<=30	Pass
		Outer_Full	21.03	/	/	22.73	/	/	<=30	Pass
		Inner_Full	20.84	/	/	22.54	/	/	<=30	Pass
		Inner_1RB_Left	21.12	/	/	22.82	/	/	<=30	Pass
CP-OFDM QPSK	3490.02	Inner_1RB_Right	20.78	/	/	22.48	/	/	<=30	Pass
		Edge_1RB_Left	21.96	/	/	23.66	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	24.11	/	/	<=30	Pass
		Outer_Full	22.44	/	/	24.14	/	/	<=30	Pass
		Inner_Full	23.68	/	/	25.38	/	/	<=30	Pass
		Inner_1RB_Left	23.96	/	/	25.66	/	/	<=30	Pass
	3500.01	Inner_1RB_Right	24.28	/	/	25.98	/	/	<=30	Pass
		Edge_1RB_Left	22.29	/	/	23.99	/	/	<=30	Pass
		Edge_1RB_Right	22.37	/	/	24.07	/	/	<=30	Pass
		Outer_Full	22.49	/	/	24.19	/	/	<=30	Pass
		Inner_Full	23.67	/	/	25.37	/	/	<=30	Pass
	3510	Inner_1RB_Left	24.34	/	/	26.04	/	/	<=30	Pass
		Inner_1RB_Right	24.46	/	/	26.16	/	/	<=30	Pass
		Edge_1RB_Left	22.08	/	/	23.78	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	23.45	/	/	<=30	Pass
		Outer_Full	22.47	/	/	24.17	/	/	<=30	Pass
CP-OFDM 16 QAM	3490.02	Inner_Full	23.90	/	/	25.60	/	/	<=30	Pass
		Inner_1RB_Left	24.15	/	/	25.85	/	/	<=30	Pass
		Inner_1RB_Right	23.76	/	/	25.46	/	/	<=30	Pass
		Edge_1RB_Left	21.72	/	/	23.42	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	23.96	/	/	<=30	Pass
		Outer_Full	22.44	/	/	24.14	/	/	<=30	Pass
	3500.01	Inner_Full	23.17	/	/	24.87	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	24.96	/	/	<=30	Pass
		Inner_1RB_Right	23.58	/	/	25.28	/	/	<=30	Pass
		Edge_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	24.02	/	/	<=30	Pass
	3510	Outer_Full	22.46	/	/	24.16	/	/	<=30	Pass
		Inner_Full	23.23	/	/	24.93	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	25.31	/	/	<=30	Pass
		Inner_1RB_Right	23.79	/	/	25.49	/	/	<=30	Pass
		Edge_1RB_Left	22.00	/	/	23.70	/	/	<=30	Pass
CP-OFDM 64 QAM	3490.02	Edge_1RB_Right	21.74	/	/	23.44	/	/	<=30	Pass
		Outer_Full	22.47	/	/	24.17	/	/	<=30	Pass
		Inner_Full	23.37	/	/	25.07	/	/	<=30	Pass
		Inner_1RB_Left	23.41	/	/	25.11	/	/	<=30	Pass
		Inner_1RB_Right	23.18	/	/	24.88	/	/	<=30	Pass
		Edge_1RB_Left	21.93	/	/	23.63	/	/	<=30	Pass
	3500.01	Edge_1RB_Right	22.43	/	/	24.13	/	/	<=30	Pass
		Outer_Full	21.99	/	/	23.69	/	/	<=30	Pass
		Inner_Full	21.59	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Left	21.93	/	/	23.63	/	/	<=30	Pass
		Inner_1RB_Right	22.32	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Left	22.36	/	/	24.06	/	/	<=30	Pass

		Edge 1RB Right	22.47	/	/	24.17	/	/	<=30	Pass
		Outer_Full	22.00	/	/	23.70	/	/	<=30	Pass
		Inner_Full	21.59	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Left	22.43	/	/	24.13	/	/	<=30	Pass
		Inner_1RB_Right	22.53	/	/	24.23	/	/	<=30	Pass
	3510	Edge_1RB_Left	22.20	/	/	23.90	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	23.64	/	/	<=30	Pass
		Outer_Full	22.02	/	/	23.72	/	/	<=30	Pass
		Inner_Full	21.87	/	/	23.57	/	/	<=30	Pass
		Inner_1RB_Left	22.17	/	/	23.87	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass
CP-OFDM 256 QAM	3490.02	Edge_1RB_Left	18.87	/	/	20.57	/	/	<=30	Pass
		Edge_1RB_Right	19.38	/	/	21.08	/	/	<=30	Pass
		Outer_Full	18.90	/	/	20.60	/	/	<=30	Pass
		Inner_Full	18.75	/	/	20.45	/	/	<=30	Pass
		Inner_1RB_Left	18.90	/	/	20.60	/	/	<=30	Pass
		Inner_1RB_Right	19.21	/	/	20.91	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	19.30	/	/	21.00	/	/	<=30	Pass
		Edge_1RB_Right	19.33	/	/	21.03	/	/	<=30	Pass
		Outer_Full	19.02	/	/	20.72	/	/	<=30	Pass
		Inner_Full	18.79	/	/	20.49	/	/	<=30	Pass
		Inner_1RB_Left	19.38	/	/	21.08	/	/	<=30	Pass
		Inner_1RB_Right	19.49	/	/	21.19	/	/	<=30	Pass
	3510	Edge_1RB_Left	19.18	/	/	20.88	/	/	<=30	Pass
		Edge_1RB_Right	18.81	/	/	20.51	/	/	<=30	Pass
		Outer_Full	18.92	/	/	20.62	/	/	<=30	Pass
		Inner_Full	18.93	/	/	20.63	/	/	<=30	Pass
		Inner_1RB_Left	19.19	/	/	20.89	/	/	<=30	Pass
		Inner_1RB_Right	18.96	/	/	20.66	/	/	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.6 30k_SISO_100MHz_NTNV_EIRP

5G NR n77d SCS=30kHz SISO 100MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge 1RB Left	21.81	/	/	23.51	/	/	<=30	Pass
		Edge 1RB Right	21.91	/	/	23.61	/	/	<=30	Pass
		Outer Full	24.97	/	/	26.67	/	/	<=30	Pass
		Inner Full	25.21	/	/	26.91	/	/	<=30	Pass
		Inner 1RB Left	25.30	/	/	27.00	/	/	<=30	Pass
		Inner 1RB Right	25.34	/	/	27.04	/	/	<=30	Pass
	3500.01	Edge 1RB Left	21.77	/	/	23.47	/	/	<=30	Pass
		Edge 1RB Right	21.84	/	/	23.54	/	/	<=30	Pass
		Outer Full	24.98	/	/	26.68	/	/	<=30	Pass
		Inner Full	25.20	/	/	26.90	/	/	<=30	Pass
		Inner 1RB Left	25.26	/	/	26.96	/	/	<=30	Pass
		Inner 1RB Right	25.32	/	/	27.02	/	/	<=30	Pass
	3499.98	Edge 1RB Left	21.76	/	/	23.46	/	/	<=30	Pass
		Edge 1RB Right	21.87	/	/	23.57	/	/	<=30	Pass
		Outer Full	25.01	/	/	26.71	/	/	<=30	Pass
		Inner Full	25.26	/	/	26.96	/	/	<=30	Pass
		Inner 1RB Left	25.37	/	/	27.07	/	/	<=30	Pass
		Inner 1RB Right	25.38	/	/	27.08	/	/	<=30	Pass
DFT-s-OFDM QPSK	3500.01	Edge 1RB Left	21.73	/	/	23.43	/	/	<=30	Pass
		Edge 1RB Right	21.84	/	/	23.54	/	/	<=30	Pass
		Outer Full	24.44	/	/	26.14	/	/	<=30	Pass

		Inner_Full	25.18	/	/	26.88	/	/	<=30	Pass
		Inner_1RB_Left	25.18	/	/	26.88	/	/	<=30	Pass
		Inner_1RB_Right	25.26	/	/	26.96	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.76	/	/	23.46	/	/	<=30	Pass
		Edge_1RB_Right	21.82	/	/	23.52	/	/	<=30	Pass
		Outer_Full	24.50	/	/	26.20	/	/	<=30	Pass
		Inner_Full	25.24	/	/	26.94	/	/	<=30	Pass
		Inner_1RB_Left	25.20	/	/	26.90	/	/	<=30	Pass
		Inner_1RB_Right	25.33	/	/	27.03	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	21.75	/	/	23.45	/	/	<=30	Pass
		Edge_1RB_Right	21.90	/	/	23.60	/	/	<=30	Pass
		Outer_Full	24.49	/	/	26.19	/	/	<=30	Pass
		Inner_Full	25.20	/	/	26.90	/	/	<=30	Pass
		Inner_1RB_Left	25.27	/	/	26.97	/	/	<=30	Pass
		Inner_1RB_Right	25.35	/	/	27.05	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3500.01	Edge_1RB_Left	21.65	/	/	23.35	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	23.41	/	/	<=30	Pass
		Outer_Full	23.47	/	/	25.17	/	/	<=30	Pass
		Inner_Full	24.21	/	/	25.91	/	/	<=30	Pass
		Inner_1RB_Left	24.12	/	/	25.82	/	/	<=30	Pass
		Inner_1RB_Right	24.18	/	/	25.88	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.66	/	/	23.36	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	23.41	/	/	<=30	Pass
		Outer_Full	23.48	/	/	25.18	/	/	<=30	Pass
		Inner_Full	24.22	/	/	25.92	/	/	<=30	Pass
		Inner_1RB_Left	24.10	/	/	25.80	/	/	<=30	Pass
		Inner_1RB_Right	24.18	/	/	25.88	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	21.72	/	/	23.42	/	/	<=30	Pass
		Edge_1RB_Right	21.76	/	/	23.46	/	/	<=30	Pass
		Outer_Full	23.53	/	/	25.23	/	/	<=30	Pass
		Inner_Full	24.24	/	/	25.94	/	/	<=30	Pass
		Inner_1RB_Left	24.13	/	/	25.83	/	/	<=30	Pass
		Inner_1RB_Right	24.15	/	/	25.85	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3500.01	Edge_1RB_Left	21.67	/	/	23.37	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	23.59	/	/	<=30	Pass
		Outer_Full	23.02	/	/	24.72	/	/	<=30	Pass
		Inner_Full	22.74	/	/	24.44	/	/	<=30	Pass
		Inner_1RB_Left	22.73	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Right	22.85	/	/	24.55	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.59	/	/	23.29	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	23.53	/	/	<=30	Pass
		Outer_Full	23.02	/	/	24.72	/	/	<=30	Pass
		Inner_Full	22.72	/	/	24.42	/	/	<=30	Pass
		Inner_1RB_Left	22.79	/	/	24.49	/	/	<=30	Pass
		Inner_1RB_Right	22.90	/	/	24.60	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	21.66	/	/	23.36	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	23.43	/	/	<=30	Pass
		Outer_Full	23.07	/	/	24.77	/	/	<=30	Pass
		Inner_Full	22.69	/	/	24.39	/	/	<=30	Pass
		Inner_1RB_Left	22.89	/	/	24.59	/	/	<=30	Pass
		Inner_1RB_Right	22.94	/	/	24.64	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3500.01	Edge_1RB_Left	20.81	/	/	22.51	/	/	<=30	Pass
		Edge_1RB_Right	20.77	/	/	22.47	/	/	<=30	Pass
		Outer_Full	20.89	/	/	22.59	/	/	<=30	Pass
		Inner_Full	20.75	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Left	20.78	/	/	22.48	/	/	<=30	Pass
		Inner_1RB_Right	20.86	/	/	22.56	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	20.83	/	/	22.53	/	/	<=30	Pass
		Edge_1RB_Right	20.87	/	/	22.57	/	/	<=30	Pass

		Outer_Full	20.91	/	/	22.61	/	/	<=30	Pass
		Inner_Full	20.58	/	/	22.28	/	/	<=30	Pass
		Inner_1RB_Left	20.81	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Right	20.94	/	/	22.64	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	20.84	/	/	22.54	/	/	<=30	Pass
		Edge_1RB_Right	20.83	/	/	22.53	/	/	<=30	Pass
		Outer_Full	21.06	/	/	22.76	/	/	<=30	Pass
		Inner_Full	20.81	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	20.91	/	/	22.61	/	/	<=30	Pass
		Inner_1RB_Right	20.82	/	/	22.52	/	/	<=30	Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	21.83	/	/	23.53	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass
		Outer_Full	22.48	/	/	24.18	/	/	<=30	Pass
		Inner_Full	23.74	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Left	23.63	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Right	23.88	/	/	25.58	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.91	/	/	23.61	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	23.53	/	/	<=30	Pass
		Outer_Full	22.54	/	/	24.24	/	/	<=30	Pass
		Inner_Full	23.76	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Left	23.88	/	/	25.58	/	/	<=30	Pass
		Inner_1RB_Right	23.92	/	/	25.62	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	21.67	/	/	23.37	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	23.51	/	/	<=30	Pass
		Outer_Full	22.46	/	/	24.16	/	/	<=30	Pass
		Inner_Full	23.76	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Left	23.77	/	/	25.47	/	/	<=30	Pass
		Inner_1RB_Right	23.92	/	/	25.62	/	/	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge_1RB_Left	21.63	/	/	23.33	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	23.50	/	/	<=30	Pass
		Outer_Full	22.52	/	/	24.22	/	/	<=30	Pass
		Inner_Full	23.29	/	/	24.99	/	/	<=30	Pass
		Inner_1RB_Left	23.22	/	/	24.92	/	/	<=30	Pass
		Inner_1RB_Right	23.23	/	/	24.93	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.72	/	/	23.42	/	/	<=30	Pass
		Edge_1RB_Right	21.70	/	/	23.40	/	/	<=30	Pass
		Outer_Full	22.54	/	/	24.24	/	/	<=30	Pass
		Inner_Full	23.23	/	/	24.93	/	/	<=30	Pass
		Inner_1RB_Left	22.93	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Right	23.14	/	/	24.84	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	21.73	/	/	23.43	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	23.50	/	/	<=30	Pass
		Outer_Full	22.58	/	/	24.28	/	/	<=30	Pass
		Inner_Full	23.24	/	/	24.94	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	24.96	/	/	<=30	Pass
		Inner_1RB_Right	23.22	/	/	24.92	/	/	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge_1RB_Left	21.93	/	/	23.63	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass
		Outer_Full	22.00	/	/	23.70	/	/	<=30	Pass
		Inner_Full	21.76	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Left	21.90	/	/	23.60	/	/	<=30	Pass
		Inner_1RB_Right	21.94	/	/	23.64	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	21.90	/	/	23.60	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	23.54	/	/	<=30	Pass
		Outer_Full	22.01	/	/	23.71	/	/	<=30	Pass
		Inner_Full	21.77	/	/	23.47	/	/	<=30	Pass
		Inner_1RB_Left	21.77	/	/	23.47	/	/	<=30	Pass
		Inner_1RB_Right	21.99	/	/	23.69	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	21.84	/	/	23.54	/	/	<=30	Pass

		Edge 1RB Right	21.83	/	/	23.53	/	/	<=30	Pass
		Outer_Full	22.01	/	/	23.71	/	/	<=30	Pass
		Inner_Full	21.78	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Left	21.83	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Right	21.94	/	/	23.64	/	/	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge_1RB_Left	18.84	/	/	20.54	/	/	<=30	Pass
		Edge_1RB_Right	18.88	/	/	20.58	/	/	<=30	Pass
		Outer_Full	19.07	/	/	20.77	/	/	<=30	Pass
		Inner_Full	18.71	/	/	20.41	/	/	<=30	Pass
		Inner_1RB_Left	18.90	/	/	20.60	/	/	<=30	Pass
		Inner_1RB_Right	18.83	/	/	20.53	/	/	<=30	Pass
	3500.01	Edge_1RB_Left	18.77	/	/	20.47	/	/	<=30	Pass
		Edge_1RB_Right	19.02	/	/	20.72	/	/	<=30	Pass
		Outer_Full	19.10	/	/	20.80	/	/	<=30	Pass
		Inner_Full	18.87	/	/	20.57	/	/	<=30	Pass
		Inner_1RB_Left	18.89	/	/	20.59	/	/	<=30	Pass
		Inner_1RB_Right	18.87	/	/	20.57	/	/	<=30	Pass
	3499.98	Edge_1RB_Left	18.90	/	/	20.60	/	/	<=30	Pass
		Edge_1RB_Right	19.03	/	/	20.73	/	/	<=30	Pass
		Outer_Full	19.08	/	/	20.78	/	/	<=30	Pass
Inner_Full		18.74	/	/	20.44	/	/	<=30	Pass	
Inner_1RB_Left		18.94	/	/	20.64	/	/	<=30	Pass	
		Inner_1RB_Right	19.03	/	/	20.73	/	/	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.7 30k_MIMO_20MHz_NTNV_EIRP

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	19.77	20.07	22.93	21.47	22.57	25.07	<=30	Pass
		Edge 1RB Right	20.13	20.17	23.16	21.83	22.67	25.28	<=30	Pass
		Outer Full	20.61	20.48	23.56	22.31	22.98	25.67	<=30	Pass
		Inner Full	22.05	21.87	24.97	23.75	24.37	27.08	<=30	Pass
		Inner 1RB Left	21.69	22.15	24.94	23.39	24.65	27.08	<=30	Pass
		Inner 1RB Right	22.14	22.07	25.12	23.84	24.57	27.23	<=30	Pass
	3500.01	Edge 1RB Left	19.23	20.50	22.92	20.93	23.00	25.10	<=30	Pass
		Edge 1RB Right	19.83	20.51	23.19	21.53	23.01	25.34	<=30	Pass
		Outer Full	19.98	20.95	23.50	21.68	23.45	25.66	<=30	Pass
		Inner Full	21.47	22.37	24.96	23.17	24.87	27.11	<=30	Pass
		Inner 1RB Left	21.08	22.51	24.86	22.78	25.01	27.05	<=30	Pass
		Inner 1RB Right	21.60	22.62	25.15	23.30	25.12	27.31	<=30	Pass
	3540	Edge 1RB Left	20.49	20.58	23.55	22.19	23.08	25.67	<=30	Pass
		Edge 1RB Right	19.78	20.57	23.21	21.48	23.07	25.36	<=30	Pass
		Outer Full	20.73	20.98	23.86	22.43	23.48	26.00	<=30	Pass
		Inner Full	22.23	22.45	25.35	23.93	24.95	27.48	<=30	Pass
		Inner 1RB Left	22.48	22.61	25.55	24.18	25.11	27.68	<=30	Pass
		Inner 1RB Right	21.67	22.54	25.14	23.37	25.04	27.30	<=30	Pass
CP-OFDM 16 QAM	3460.02	Edge 1RB Left	19.83	20.12	22.99	21.53	22.62	25.12	<=30	Pass
		Edge 1RB Right	20.19	20.38	23.30	21.89	22.88	25.42	<=30	Pass
		Outer Full	20.54	20.50	23.53	22.24	23.00	25.65	<=30	Pass
		Inner Full	21.61	21.67	24.65	23.31	24.17	26.77	<=30	Pass
		Inner 1RB Left	21.34	21.56	24.46	23.04	24.06	26.59	<=30	Pass
		Inner 1RB Right	21.70	21.68	24.70	23.40	24.18	26.82	<=30	Pass
	3500.01	Edge 1RB Left	19.39	20.53	23.01	21.09	23.03	25.18	<=30	Pass
		Edge 1RB Right	19.97	20.59	23.30	21.67	23.09	25.45	<=30	Pass
		Outer Full	20.13	20.94	23.56	21.83	23.44	25.72	<=30	Pass

		Inner_Full	21.07	21.92	24.53	22.77	24.42	26.68	<=30	Pass
		Inner_1RB_Left	20.80	22.12	24.52	22.50	24.62	26.70	<=30	Pass
		Inner_1RB_Right	21.46	22.26	24.89	23.16	24.76	27.04	<=30	Pass
	3540	Edge_1RB_Left	20.50	20.56	23.54	22.20	23.06	25.66	<=30	Pass
		Edge_1RB_Right	19.68	20.54	23.14	21.38	23.04	25.30	<=30	Pass
		Outer_Full	20.84	21.01	23.94	22.54	23.51	26.06	<=30	Pass
		Inner_Full	21.85	21.99	24.93	23.55	24.49	27.06	<=30	Pass
		Inner_1RB_Left	21.85	22.06	24.96	23.55	24.56	27.09	<=30	Pass
		Inner_1RB_Right	21.31	22.03	24.69	23.01	24.53	26.85	<=30	Pass
CP-OFDM 64 QAM	3460.02	Edge_1RB_Left	19.73	20.01	22.88	21.43	22.51	25.01	<=30	Pass
		Edge_1RB_Right	20.02	20.23	23.14	21.72	22.73	25.26	<=30	Pass
		Outer_Full	20.07	20.06	23.08	21.77	22.56	25.19	<=30	Pass
		Inner_Full	20.06	19.93	23.01	21.76	22.43	25.12	<=30	Pass
		Inner_1RB_Left	19.64	20.16	22.92	21.34	22.66	25.06	<=30	Pass
		Inner_1RB_Right	20.04	20.23	23.15	21.74	22.73	25.27	<=30	Pass
	3500.01	Edge_1RB_Left	19.15	20.58	22.93	20.85	23.08	25.12	<=30	Pass
		Edge_1RB_Right	19.60	20.63	23.15	21.30	23.13	25.32	<=30	Pass
		Outer_Full	19.59	20.48	23.07	21.29	22.98	25.23	<=30	Pass
		Inner_Full	19.52	20.37	22.98	21.22	22.87	25.13	<=30	Pass
		Inner_1RB_Left	19.26	20.44	22.90	20.96	22.94	25.07	<=30	Pass
		Inner_1RB_Right	19.74	20.59	23.19	21.44	23.09	25.35	<=30	Pass
	3540	Edge_1RB_Left	20.52	20.44	23.49	22.22	22.94	25.61	<=30	Pass
		Edge_1RB_Right	19.75	20.44	23.12	21.45	22.94	25.27	<=30	Pass
		Outer_Full	20.30	20.54	23.43	22.00	23.04	25.56	<=30	Pass
		Inner_Full	20.29	20.49	23.40	21.99	22.99	25.53	<=30	Pass
		Inner_1RB_Left	20.48	20.43	23.47	22.18	22.93	25.58	<=30	Pass
		Inner_1RB_Right	19.74	20.48	23.13	21.44	22.98	25.29	<=30	Pass
CP-OFDM 256 QAM	3460.02	Edge_1RB_Left	16.90	17.08	20.00	18.60	19.58	22.13	<=30	Pass
		Edge_1RB_Right	17.23	17.06	20.15	18.93	19.56	22.27	<=30	Pass
		Outer_Full	17.16	17.10	20.14	18.86	19.60	22.26	<=30	Pass
		Inner_Full	17.20	17.01	20.12	18.90	19.51	22.23	<=30	Pass
		Inner_1RB_Left	16.68	17.25	19.98	18.38	19.75	22.13	<=30	Pass
		Inner_1RB_Right	17.08	17.35	20.22	18.78	19.85	22.36	<=30	Pass
	3500.01	Edge_1RB_Left	16.15	17.63	19.96	17.85	20.13	22.15	<=30	Pass
		Edge_1RB_Right	16.70	17.80	20.30	18.40	20.30	22.46	<=30	Pass
		Outer_Full	16.61	17.57	20.12	18.31	20.07	22.29	<=30	Pass
		Inner_Full	16.59	17.45	20.06	18.29	19.95	22.21	<=30	Pass
		Inner_1RB_Left	16.12	17.59	19.93	17.82	20.09	22.11	<=30	Pass
		Inner_1RB_Right	16.74	17.75	20.29	18.44	20.25	22.45	<=30	Pass
	3540	Edge_1RB_Left	17.34	17.80	20.59	19.04	20.30	22.73	<=30	Pass
		Edge_1RB_Right	16.53	17.74	20.18	18.23	20.24	22.36	<=30	Pass
		Outer_Full	17.39	17.48	20.45	19.09	19.98	22.57	<=30	Pass
		Inner_Full	17.40	17.50	20.46	19.10	20.00	22.58	<=30	Pass
		Inner_1RB_Left	17.35	17.75	20.57	19.05	20.25	22.70	<=30	Pass
		Inner_1RB_Right	16.65	17.79	20.27	18.35	20.29	22.44	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.8 30k_MIMO_30MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 30MHz NTNv										
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	19.81	20.32	23.08	21.51	22.82	25.22	<=30	Pass
		Edge_1RB_Right	19.41	20.47	22.98	21.11	22.97	25.15	<=30	Pass
		Outer_Full	20.47	20.58	23.53	22.17	23.08	25.66	<=30	Pass
		Inner_Full	22.01	22.01	25.02	23.71	24.51	27.14	<=30	Pass

		Inner 1RB Left	21.90	22.06	24.99	23.60	24.56	27.12	<=30	Pass
		Inner 1RB Right	21.36	22.64	25.06	23.06	25.14	27.23	<=30	Pass
	3500.01	Edge 1RB Left	19.13	20.36	22.80	20.83	22.86	24.97	<=30	Pass
		Edge 1RB Right	19.70	20.34	23.04	21.40	22.84	25.19	<=30	Pass
		Outer Full	19.95	20.82	23.42	21.65	23.32	25.58	<=30	Pass
		Inner Full	21.47	22.31	24.92	23.17	24.81	27.08	<=30	Pass
		Inner 1RB Left	21.03	22.55	24.87	22.73	25.05	27.05	<=30	Pass
		Inner 1RB Right	21.62	22.37	25.02	23.32	24.87	27.17	<=30	Pass
	3534.99	Edge 1RB Left	19.97	20.60	23.31	21.67	23.10	25.45	<=30	Pass
		Edge 1RB Right	19.85	20.90	23.42	21.55	23.40	25.58	<=30	Pass
		Outer Full	20.75	21.23	24.00	22.45	23.73	26.15	<=30	Pass
		Inner Full	22.30	22.68	25.50	24.00	25.18	27.64	<=30	Pass
		Inner 1RB Left	21.93	22.70	25.34	23.63	25.20	27.50	<=30	Pass
		Inner 1RB Right	21.68	22.70	25.23	23.38	25.20	27.39	<=30	Pass
CP-OFDM 16 QAM	3465	Edge 1RB Left	19.80	20.05	22.94	21.50	22.55	25.07	<=30	Pass
		Edge 1RB Right	19.31	20.46	22.93	21.01	22.96	25.10	<=30	Pass
		Outer Full	20.43	20.66	23.56	22.13	23.16	25.69	<=30	Pass
		Inner Full	21.61	21.50	24.57	23.31	24.00	26.68	<=30	Pass
		Inner 1RB Left	21.40	21.65	24.54	23.10	24.15	26.67	<=30	Pass
		Inner 1RB Right	21.08	21.94	24.54	22.78	24.44	26.70	<=30	Pass
	3500.01	Edge 1RB Left	19.30	20.46	22.93	21.00	22.96	25.10	<=30	Pass
		Edge 1RB Right	19.85	20.32	23.10	21.55	22.82	25.24	<=30	Pass
		Outer Full	19.97	20.80	23.42	21.67	23.30	25.57	<=30	Pass
		Inner Full	20.95	21.72	24.36	22.65	24.22	26.52	<=30	Pass
		Inner 1RB Left	20.61	21.75	24.23	22.31	24.25	26.40	<=30	Pass
		Inner 1RB Right	21.37	21.69	24.54	23.07	24.19	26.68	<=30	Pass
	3534.99	Edge 1RB Left	19.91	20.65	23.31	21.61	23.15	25.46	<=30	Pass
		Edge 1RB Right	19.75	20.61	23.21	21.45	23.11	25.37	<=30	Pass
		Outer Full	20.69	21.20	23.96	22.39	23.70	26.10	<=30	Pass
		Inner Full	21.87	22.24	25.07	23.57	24.74	27.20	<=30	Pass
		Inner 1RB Left	21.50	22.13	24.84	23.20	24.63	26.98	<=30	Pass
		Inner 1RB Right	21.27	22.30	24.83	22.97	24.80	26.99	<=30	Pass
CP-OFDM 64 QAM	3465	Edge 1RB Left	19.80	20.26	23.05	21.50	22.76	25.19	<=30	Pass
		Edge 1RB Right	19.37	20.02	22.72	21.07	22.52	24.87	<=30	Pass
		Outer Full	19.95	20.21	23.09	21.65	22.71	25.22	<=30	Pass
		Inner Full	19.94	19.84	22.90	21.64	22.34	25.01	<=30	Pass
		Inner 1RB Left	19.79	20.47	23.15	21.49	22.97	25.30	<=30	Pass
		Inner 1RB Right	19.34	20.10	22.75	21.04	22.60	24.90	<=30	Pass
	3500.01	Edge 1RB Left	19.13	20.44	22.84	20.83	22.94	25.02	<=30	Pass
		Edge 1RB Right	19.64	20.30	22.99	21.34	22.80	25.14	<=30	Pass
		Outer Full	19.47	20.36	22.94	21.17	22.86	25.11	<=30	Pass
		Inner Full	19.42	20.22	22.85	21.12	22.72	25.00	<=30	Pass
		Inner 1RB Left	19.08	20.41	22.81	20.78	22.91	24.98	<=30	Pass
		Inner 1RB Right	19.67	20.38	23.05	21.37	22.88	25.20	<=30	Pass
	3534.99	Edge 1RB Left	19.92	20.47	23.21	21.62	22.97	25.36	<=30	Pass
		Edge 1RB Right	19.78	20.68	23.26	21.48	23.18	25.42	<=30	Pass
		Outer Full	20.25	20.71	23.49	21.95	23.21	25.64	<=30	Pass
		Inner Full	20.28	20.70	23.50	21.98	23.20	25.64	<=30	Pass
		Inner 1RB Left	20.03	20.54	23.30	21.73	23.04	25.44	<=30	Pass
		Inner 1RB Right	19.95	20.66	23.33	21.65	23.16	25.48	<=30	Pass
CP-OFDM 256 QAM	3465	Edge 1RB Left	16.73	17.50	20.14	18.43	20.00	22.30	<=30	Pass
		Edge 1RB Right	16.48	17.05	19.78	18.18	19.55	21.93	<=30	Pass
		Outer Full	16.94	17.00	19.98	18.64	19.50	22.10	<=30	Pass
		Inner Full	17.05	16.94	20.01	18.75	19.44	22.12	<=30	Pass
		Inner 1RB Left	16.83	17.52	20.20	18.53	20.02	22.35	<=30	Pass
		Inner 1RB Right	16.30	17.19	19.78	18.00	19.69	21.94	<=30	Pass
	3500.01	Edge 1RB Left	15.99	17.56	19.85	17.69	20.06	22.05	<=30	Pass
		Edge 1RB Right	16.57	17.43	20.03	18.27	19.93	22.19	<=30	Pass
		Outer Full	16.47	17.35	19.95	18.17	19.85	22.10	<=30	Pass

		Inner_Full	16.50	17.34	19.95	18.20	19.84	22.11	<=30	Pass
		Inner_1RB_Left	16.02	17.62	19.90	17.72	20.12	22.09	<=30	Pass
		Inner_1RB_Right	16.64	17.40	20.05	18.34	19.90	22.20	<=30	Pass
	3534.99	Edge_1RB_Left	16.87	17.76	20.35	18.57	20.26	22.51	<=30	Pass
		Edge_1RB_Right	16.89	17.70	20.32	18.59	20.20	22.48	<=30	Pass
		Outer_Full	17.26	17.77	20.53	18.96	20.27	22.67	<=30	Pass
		Inner_Full	17.39	17.88	20.65	19.09	20.38	22.79	<=30	Pass
		Inner_1RB_Left	16.91	17.77	20.37	18.61	20.27	22.53	<=30	Pass
		Inner_1RB_Right	16.59	17.88	20.30	18.29	20.38	22.47	<=30	Pass

Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi;
Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2

1.1.9 30k_MIMO_40MHz_NTNV_EIRP

5G NR n77d SCS=30kHz MIMO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	Ant7	Sum	Ant3	Ant7	Sum	Limit	
CP-OFDM QPSK	3470.01	Edge_1RB_Left	19.83	20.55	23.22	21.53	23.05	25.37	<=30	Pass
		Edge_1RB_Right	19.36	20.40	22.92	21.06	22.90	25.09	<=30	Pass
		Outer_Full	20.23	20.58	23.41	21.93	23.08	25.55	<=30	Pass
		Inner_Full	21.86	22.00	24.94	23.56	24.50	27.07	<=30	Pass
		Inner_1RB_Left	21.85	22.50	25.20	23.55	25.00	27.35	<=30	Pass
		Inner_1RB_Right	21.20	22.45	24.88	22.90	24.95	27.06	<=30	Pass
	3500.01	Edge_1RB_Left	19.26	20.37	22.86	20.96	22.87	25.03	<=30	Pass
		Edge_1RB_Right	19.96	20.70	23.36	21.66	23.20	25.51	<=30	Pass
		Outer_Full	19.90	20.84	23.41	21.60	23.34	25.57	<=30	Pass
		Inner_Full	21.45	22.27	24.89	23.15	24.77	27.05	<=30	Pass
		Inner_1RB_Left	21.15	22.31	24.78	22.85	24.81	26.95	<=30	Pass
		Inner_1RB_Right	21.75	22.50	25.15	23.45	25.00	27.30	<=30	Pass
	3529.98	Edge_1RB_Left	19.78	20.36	23.09	21.48	22.86	25.23	<=30	Pass
		Edge_1RB_Right	19.72	20.86	23.34	21.42	23.36	25.51	<=30	Pass
		Outer_Full	20.53	21.11	23.84	22.23	23.61	25.98	<=30	Pass
		Inner_Full	22.17	22.64	25.42	23.87	25.14	27.56	<=30	Pass
		Inner_1RB_Left	21.73	22.32	25.04	23.43	24.82	27.19	<=30	Pass
		Inner_1RB_Right	21.70	22.74	25.27	23.40	25.24	27.43	<=30	Pass
CP-OFDM 16 QAM	3470.01	Edge_1RB_Left	19.92	20.49	23.23	21.62	22.99	25.37	<=30	Pass
		Edge_1RB_Right	19.34	20.48	22.96	21.04	22.98	25.13	<=30	Pass
		Outer_Full	20.25	20.66	23.47	21.95	23.16	25.61	<=30	Pass
		Inner_Full	21.47	21.52	24.50	23.17	24.02	26.63	<=30	Pass
		Inner_1RB_Left	21.44	22.05	24.77	23.14	24.55	26.91	<=30	Pass
		Inner_1RB_Right	20.74	22.02	24.43	22.44	24.52	26.61	<=30	Pass
	3500.01	Edge_1RB_Left	19.23	20.34	22.83	20.93	22.84	25.00	<=30	Pass
		Edge_1RB_Right	19.79	20.44	23.14	21.49	22.94	25.29	<=30	Pass
		Outer_Full	19.97	20.88	23.46	21.67	23.38	25.62	<=30	Pass
		Inner_Full	20.97	21.86	24.45	22.67	24.36	26.61	<=30	Pass
		Inner_1RB_Left	20.91	21.92	24.46	22.61	24.42	26.62	<=30	Pass
		Inner_1RB_Right	21.42	22.15	24.81	23.12	24.65	26.96	<=30	Pass
	3529.98	Edge_1RB_Left	19.75	20.25	23.02	21.45	22.75	25.16	<=30	Pass
		Edge_1RB_Right	19.78	20.85	23.36	21.48	23.35	25.53	<=30	Pass
		Outer_Full	20.56	21.08	23.84	22.26	23.58	25.98	<=30	Pass
		Inner_Full	21.69	22.22	24.98	23.39	24.72	27.12	<=30	Pass
		Inner_1RB_Left	21.35	21.84	24.61	23.05	24.34	26.75	<=30	Pass
		Inner_1RB_Right	21.32	22.32	24.85	23.02	24.82	27.02	<=30	Pass
CP-OFDM 64 QAM	3470.01	Edge_1RB_Left	19.88	20.34	23.13	21.58	22.84	25.27	<=30	Pass
		Edge_1RB_Right	19.27	20.30	22.82	20.97	22.80	24.99	<=30	Pass
		Outer_Full	19.74	20.13	22.95	21.44	22.63	25.09	<=30	Pass
		Inner_Full	19.89	20.04	22.98	21.59	22.54	25.10	<=30	Pass

		Inner 1RB Left	19.77	20.59	23.21	21.47	23.09	25.37	<=30	Pass
		Inner 1RB Right	19.04	20.43	22.80	20.74	22.93	24.98	<=30	Pass
	3500.01	Edge 1RB Left	19.11	20.27	22.74	20.81	22.77	24.91	<=30	Pass
		Edge 1RB Right	19.67	20.64	23.19	21.37	23.14	25.35	<=30	Pass
		Outer Full	19.47	20.36	22.94	21.17	22.86	25.11	<=30	Pass
		Inner Full	19.47	20.29	22.91	21.17	22.79	25.07	<=30	Pass
		Inner 1RB Left	19.08	20.34	22.76	20.78	22.84	24.94	<=30	Pass
		Inner 1RB Right	19.73	20.59	23.19	21.43	23.09	25.35	<=30	Pass
	3529.98	Edge 1RB Left	19.60	20.32	22.99	21.30	22.82	25.14	<=30	Pass
		Edge 1RB Right	19.78	20.66	23.25	21.48	23.16	25.41	<=30	Pass
		Outer Full	20.04	20.60	23.34	21.74	23.10	25.48	<=30	Pass
		Inner Full	20.20	20.69	23.46	21.90	23.19	25.60	<=30	Pass
		Inner 1RB Left	19.71	20.42	23.09	21.41	22.92	25.24	<=30	Pass
		Inner 1RB Right	19.65	20.87	23.32	21.35	23.37	25.49	<=30	Pass
CP-OFDM 256 QAM	3470.01	Edge 1RB Left	17.00	17.45	20.24	18.70	19.95	22.38	<=30	Pass
		Edge 1RB Right	16.32	17.43	19.92	18.02	19.93	22.09	<=30	Pass
		Outer Full	16.79	17.20	20.01	18.49	19.70	22.15	<=30	Pass
		Inner Full	16.96	17.03	20.01	18.66	19.53	22.13	<=30	Pass
		Inner 1RB Left	16.98	17.42	20.21	18.68	19.92	22.35	<=30	Pass
		Inner 1RB Right	16.44	17.42	19.97	18.14	19.92	22.13	<=30	Pass
	3500.01	Edge 1RB Left	16.26	17.56	19.97	17.96	20.06	22.15	<=30	Pass
		Edge 1RB Right	16.84	17.63	20.26	18.54	20.13	22.42	<=30	Pass
		Outer Full	16.53	17.43	20.01	18.23	19.93	22.17	<=30	Pass
		Inner Full	16.52	17.42	20.00	18.22	19.92	22.16	<=30	Pass
		Inner 1RB Left	16.19	17.46	19.88	17.89	19.96	22.06	<=30	Pass
		Inner 1RB Right	16.86	17.72	20.32	18.56	20.22	22.48	<=30	Pass
	3529.98	Edge 1RB Left	16.75	17.49	20.15	18.45	19.99	22.30	<=30	Pass
		Edge 1RB Right	16.56	18.06	20.39	18.26	20.56	22.57	<=30	Pass
		Outer Full	17.16	17.72	20.46	18.86	20.22	22.60	<=30	Pass
		Inner Full	17.20	17.76	20.50	18.90	20.26	22.64	<=30	Pass
		Inner 1RB Left	16.74	17.53	20.16	18.44	20.03	22.32	<=30	Pass
		Inner 1RB Right	16.63	18.04	20.40	18.33	20.54	22.58	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.10 30k_MIMO_60MHz_NTNV_EIRP

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	19.62	20.27	22.97	21.32	22.77	25.12	<=30	Pass
		Edge 1RB Right	19.42	19.93	22.69	21.12	22.43	24.83	<=30	Pass
		Outer Full	20.03	20.47	23.27	21.73	22.97	25.40	<=30	Pass
		Inner Full	21.39	21.99	24.71	23.09	24.49	26.86	<=30	Pass
		Inner 1RB Left	21.60	22.26	24.95	23.30	24.76	27.10	<=30	Pass
		Inner 1RB Right	21.40	21.97	24.70	23.10	24.47	26.85	<=30	Pass
	3500.01	Edge 1RB Left	19.73	19.92	22.84	21.43	22.42	24.96	<=30	Pass
		Edge 1RB Right	20.08	20.56	23.33	21.78	23.06	25.48	<=30	Pass
		Outer Full	19.88	20.52	23.22	21.58	23.02	25.37	<=30	Pass
		Inner Full	21.20	22.00	24.63	22.90	24.50	26.78	<=30	Pass
		Inner 1RB Left	21.65	21.87	24.77	23.35	24.37	26.90	<=30	Pass
		Inner 1RB Right	21.91	22.55	25.25	23.61	25.05	27.40	<=30	Pass
	3519.99	Edge 1RB Left	19.04	20.16	22.64	20.74	22.66	24.82	<=30	Pass
		Edge 1RB Right	19.51	20.38	22.98	21.21	22.88	25.14	<=30	Pass
		Outer Full	20.23	20.75	23.51	21.93	23.25	25.65	<=30	Pass
		Inner Full	21.65	22.28	24.98	23.35	24.78	27.13	<=30	Pass
		Inner 1RB Left	20.97	22.20	24.64	22.67	24.70	26.81	<=30	Pass

		Inner 1RB Right	21.41	22.42	24.95	23.11	24.92	27.12	<=30	Pass
CP-OFDM 16 QAM	3480	Edge 1RB Left	19.50	20.20	22.88	21.20	22.70	25.02	<=30	Pass
		Edge 1RB Right	19.45	20.07	22.78	21.15	22.57	24.93	<=30	Pass
		Outer_Full	20.01	20.52	23.28	21.71	23.02	25.42	<=30	Pass
		Inner_Full	20.89	21.44	24.18	22.59	23.94	26.33	<=30	Pass
		Inner 1RB Left	21.08	21.63	24.37	22.78	24.13	26.52	<=30	Pass
		Inner 1RB Right	20.95	21.29	24.13	22.65	23.79	26.27	<=30	Pass
	3500.01	Edge 1RB Left	19.86	19.76	22.82	21.56	22.26	24.93	<=30	Pass
		Edge 1RB Right	20.15	20.50	23.34	21.85	23.00	25.47	<=30	Pass
		Outer_Full	19.89	20.58	23.26	21.59	23.08	25.41	<=30	Pass
		Inner_Full	20.71	21.56	24.17	22.41	24.06	26.32	<=30	Pass
		Inner 1RB Left	21.44	21.35	24.41	23.14	23.85	26.52	<=30	Pass
		Inner 1RB Right	21.54	21.99	24.78	23.24	24.49	26.92	<=30	Pass
	3519.99	Edge 1RB Left	19.09	20.12	22.65	20.79	22.62	24.81	<=30	Pass
		Edge 1RB Right	19.51	20.31	22.94	21.21	22.81	25.09	<=30	Pass
		Outer_Full	20.19	20.78	23.50	21.89	23.28	25.65	<=30	Pass
		Inner_Full	21.26	21.78	24.54	22.96	24.28	26.68	<=30	Pass
		Inner 1RB Left	20.68	21.57	24.16	22.38	24.07	26.32	<=30	Pass
		Inner 1RB Right	21.05	21.89	24.50	22.75	24.39	26.66	<=30	Pass
CP-OFDM 64 QAM	3480	Edge 1RB Left	19.52	20.20	22.88	21.22	22.70	25.03	<=30	Pass
		Edge 1RB Right	19.33	19.85	22.61	21.03	22.35	24.75	<=30	Pass
		Outer_Full	19.55	20.00	22.79	21.25	22.50	24.93	<=30	Pass
		Inner_Full	19.38	20.10	22.76	21.08	22.60	24.92	<=30	Pass
		Inner 1RB Left	19.48	20.29	22.91	21.18	22.79	25.07	<=30	Pass
		Inner 1RB Right	19.38	19.92	22.67	21.08	22.42	24.81	<=30	Pass
	3500.01	Edge 1RB Left	19.64	19.81	22.74	21.34	22.31	24.86	<=30	Pass
		Edge 1RB Right	19.85	20.41	23.15	21.55	22.91	25.29	<=30	Pass
		Outer_Full	19.31	20.09	22.73	21.01	22.59	24.88	<=30	Pass
		Inner_Full	19.28	20.11	22.73	20.98	22.61	24.88	<=30	Pass
		Inner 1RB Left	19.51	19.82	22.68	21.21	22.32	24.81	<=30	Pass
		Inner 1RB Right	19.81	20.52	23.19	21.51	23.02	25.34	<=30	Pass
	3519.99	Edge 1RB Left	18.79	20.11	22.51	20.49	22.61	24.69	<=30	Pass
		Edge 1RB Right	19.34	20.43	22.93	21.04	22.93	25.10	<=30	Pass
		Outer_Full	19.66	20.33	23.02	21.36	22.83	25.17	<=30	Pass
		Inner_Full	19.78	20.37	23.09	21.48	22.87	25.24	<=30	Pass
		Inner 1RB Left	18.83	20.22	22.59	20.53	22.72	24.77	<=30	Pass
		Inner 1RB Right	19.42	20.44	22.97	21.12	22.94	25.13	<=30	Pass
CP-OFDM 256 QAM	3480	Edge 1RB Left	16.52	17.39	19.99	18.22	19.89	22.15	<=30	Pass
		Edge 1RB Right	16.61	16.76	19.70	18.31	19.26	21.82	<=30	Pass
		Outer_Full	16.58	17.06	19.84	18.28	19.56	21.98	<=30	Pass
		Inner_Full	16.50	17.03	19.78	18.20	19.53	21.93	<=30	Pass
		Inner 1RB Left	16.69	17.10	19.91	18.39	19.60	22.05	<=30	Pass
		Inner 1RB Right	16.57	16.86	19.73	18.27	19.36	21.86	<=30	Pass
	3500.01	Edge 1RB Left	16.72	16.91	19.82	18.42	19.41	21.95	<=30	Pass
		Edge 1RB Right	16.88	17.68	20.31	18.58	20.18	22.46	<=30	Pass
		Outer_Full	16.49	17.12	19.83	18.19	19.62	21.97	<=30	Pass
		Inner_Full	16.25	17.07	19.69	17.95	19.57	21.85	<=30	Pass
		Inner 1RB Left	16.69	17.03	19.88	18.39	19.53	22.01	<=30	Pass
		Inner 1RB Right	16.90	17.62	20.29	18.60	20.12	22.44	<=30	Pass
	3519.99	Edge 1RB Left	16.09	17.02	19.59	17.79	19.52	21.75	<=30	Pass
		Edge 1RB Right	16.40	17.47	19.98	18.10	19.97	22.15	<=30	Pass
		Outer_Full	16.72	17.42	20.09	18.42	19.92	22.24	<=30	Pass
		Inner_Full	16.81	17.36	20.10	18.51	19.86	22.25	<=30	Pass
		Inner 1RB Left	15.96	17.34	19.71	17.66	19.84	21.90	<=30	Pass
		Inner 1RB Right	16.39	17.60	20.05	18.09	20.10	22.22	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.11 30k_MIMO_80MHz_NTNV_EIRP

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	19.39	20.11	22.78	21.09	22.61	24.93	<=30	Pass
		Edge 1RB Right	19.83	20.49	23.18	21.53	22.99	25.33	<=30	Pass
		Outer Full	19.91	20.44	23.19	21.61	22.94	25.34	<=30	Pass
		Inner Full	21.13	21.87	24.53	22.83	24.37	26.68	<=30	Pass
		Inner 1RB Left	21.41	22.04	24.75	23.11	24.54	26.89	<=30	Pass
		Inner 1RB Right	21.73	22.44	25.11	23.43	24.94	27.26	<=30	Pass
	3500.01	Edge 1RB Left	19.78	19.68	22.74	21.48	22.18	24.85	<=30	Pass
		Edge 1RB Right	19.91	20.41	23.18	21.61	22.91	25.32	<=30	Pass
		Outer Full	19.87	20.49	23.20	21.57	22.99	25.35	<=30	Pass
		Inner Full	21.07	21.97	24.55	22.77	24.47	26.71	<=30	Pass
		Inner 1RB Left	21.89	21.58	24.75	23.59	24.08	26.85	<=30	Pass
		Inner 1RB Right	22.06	22.35	25.22	23.76	24.85	27.35	<=30	Pass
	3510	Edge 1RB Left	19.62	19.65	22.65	21.32	22.15	24.77	<=30	Pass
		Edge 1RB Right	19.36	20.28	22.85	21.06	22.78	25.01	<=30	Pass
		Outer Full	19.87	20.57	23.24	21.57	23.07	25.39	<=30	Pass
		Inner Full	21.32	21.98	24.67	23.02	24.48	26.82	<=30	Pass
		Inner 1RB Left	21.55	21.62	24.60	23.25	24.12	26.72	<=30	Pass
		Inner 1RB Right	21.27	22.34	24.85	22.97	24.84	27.02	<=30	Pass
CP-OFDM 16 QAM	3490.02	Edge 1RB Left	19.42	20.14	22.81	21.12	22.64	24.96	<=30	Pass
		Edge 1RB Right	19.85	20.64	23.27	21.55	23.14	25.43	<=30	Pass
		Outer Full	19.89	20.44	23.19	21.59	22.94	25.33	<=30	Pass
		Inner Full	20.63	21.39	24.04	22.33	23.89	26.19	<=30	Pass
		Inner 1RB Left	21.06	21.55	24.32	22.76	24.05	26.46	<=30	Pass
		Inner 1RB Right	21.48	21.87	24.69	23.18	24.37	26.83	<=30	Pass
	3500.01	Edge 1RB Left	20.08	19.72	22.91	21.78	22.22	25.02	<=30	Pass
		Edge 1RB Right	20.03	20.41	23.24	21.73	22.91	25.37	<=30	Pass
		Outer Full	19.82	20.47	23.17	21.52	22.97	25.32	<=30	Pass
		Inner Full	20.57	21.42	24.03	22.27	23.92	26.18	<=30	Pass
		Inner 1RB Left	21.29	21.18	24.25	22.99	23.68	26.36	<=30	Pass
		Inner 1RB Right	21.58	21.81	24.71	23.28	24.31	26.84	<=30	Pass
	3510	Edge 1RB Left	19.65	19.54	22.61	21.35	22.04	24.72	<=30	Pass
		Edge 1RB Right	19.35	20.26	22.84	21.05	22.76	25.00	<=30	Pass
		Outer Full	19.83	20.53	23.20	21.53	23.03	25.35	<=30	Pass
		Inner Full	20.82	21.47	24.17	22.52	23.97	26.32	<=30	Pass
		Inner 1RB Left	21.16	21.08	24.13	22.86	23.58	26.25	<=30	Pass
		Inner 1RB Right	20.91	21.71	24.34	22.61	24.21	26.49	<=30	Pass
CP-OFDM 64 QAM	3490.02	Edge 1RB Left	19.40	20.05	22.75	21.10	22.55	24.90	<=30	Pass
		Edge 1RB Right	19.74	20.60	23.20	21.44	23.10	25.36	<=30	Pass
		Outer Full	19.45	20.03	22.76	21.15	22.53	24.90	<=30	Pass
		Inner Full	19.24	20.02	22.66	20.94	22.52	24.81	<=30	Pass
		Inner 1RB Left	19.45	20.00	22.75	21.15	22.50	24.89	<=30	Pass
		Inner 1RB Right	19.83	20.44	23.16	21.53	22.94	25.30	<=30	Pass
	3500.01	Edge 1RB Left	19.75	19.51	22.64	21.45	22.01	24.75	<=30	Pass
		Edge 1RB Right	19.78	20.40	23.11	21.48	22.90	25.26	<=30	Pass
		Outer Full	19.32	20.05	22.71	21.02	22.55	24.86	<=30	Pass
		Inner Full	19.11	20.01	22.59	20.81	22.51	24.75	<=30	Pass
		Inner 1RB Left	19.77	19.65	22.72	21.47	22.15	24.83	<=30	Pass
		Inner 1RB Right	19.91	20.41	23.18	21.61	22.91	25.32	<=30	Pass
	3510	Edge 1RB Left	19.51	19.69	22.61	21.21	22.19	24.74	<=30	Pass
		Edge 1RB Right	19.13	20.31	22.77	20.83	22.81	24.94	<=30	Pass
		Outer Full	19.38	20.15	22.79	21.08	22.65	24.95	<=30	Pass
		Inner Full	19.35	20.10	22.75	21.05	22.60	24.90	<=30	Pass
		Inner 1RB Left	19.42	19.69	22.57	21.12	22.19	24.70	<=30	Pass
		Inner 1RB Right	19.21	20.27	22.78	20.91	22.77	24.95	<=30	Pass

CP-OFDM 256 QAM	3490.02	Edge_1RB_Left	16.52	16.98	19.77	18.22	19.48	21.91	<=30	Pass
		Edge_1RB_Right	17.12	17.33	20.24	18.82	19.83	22.36	<=30	Pass
		Outer_Full	16.44	17.03	19.75	18.14	19.53	21.90	<=30	Pass
		Inner_Full	16.16	17.00	19.61	17.86	19.50	21.77	<=30	Pass
		Inner_1RB_Left	16.39	17.41	19.94	18.09	19.91	22.10	<=30	Pass
		Inner_1RB_Right	16.82	17.75	20.32	18.52	20.25	22.48	<=30	Pass
	3500.01	Edge_1RB_Left	16.76	16.87	19.82	18.46	19.37	21.95	<=30	Pass
		Edge_1RB_Right	17.08	17.32	20.21	18.78	19.82	22.34	<=30	Pass
		Outer_Full	16.38	17.01	19.72	18.08	19.51	21.86	<=30	Pass
		Inner_Full	16.11	16.96	19.57	17.81	19.46	21.72	<=30	Pass
		Inner_1RB_Left	16.90	16.62	19.77	18.60	19.12	21.88	<=30	Pass
		Inner_1RB_Right	17.19	17.35	20.28	18.89	19.85	22.41	<=30	Pass
	3510	Edge_1RB_Left	16.46	16.75	19.62	18.16	19.25	21.75	<=30	Pass
		Edge_1RB_Right	16.18	17.39	19.84	17.88	19.89	22.01	<=30	Pass
		Outer_Full	16.41	17.08	19.77	18.11	19.58	21.92	<=30	Pass
		Inner_Full	16.29	16.99	19.66	17.99	19.49	21.81	<=30	Pass
		Inner_1RB_Left	16.46	16.77	19.63	18.16	19.27	21.76	<=30	Pass
		Inner_1RB_Right	16.41	17.39	19.94	18.11	19.89	22.10	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

1.1.12 30k_MIMO_100MHz_NTNV_EIRP

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	19.30	20.22	22.79	21.00	22.72	24.95	<=30	Pass
		Edge 1RB Right	19.43	20.36	22.93	21.13	22.86	25.09	<=30	Pass
		Outer Full	19.82	20.48	23.17	21.52	22.98	25.32	<=30	Pass
		Inner Full	21.11	21.93	24.55	22.81	24.43	26.71	<=30	Pass
		Inner 1RB Left	21.30	22.20	24.78	23.00	24.70	26.94	<=30	Pass
		Inner 1RB Right	21.48	22.26	24.90	23.18	24.76	27.05	<=30	Pass
	3500.01	Edge 1RB Left	19.31	20.07	22.72	21.01	22.57	24.87	<=30	Pass
		Edge 1RB Right	19.39	20.34	22.90	21.09	22.84	25.06	<=30	Pass
		Outer Full	19.88	20.52	23.22	21.58	23.02	25.37	<=30	Pass
		Inner Full	21.13	21.97	24.58	22.83	24.47	26.74	<=30	Pass
		Inner 1RB Left	21.38	22.03	24.72	23.08	24.53	26.88	<=30	Pass
		Inner 1RB Right	21.56	22.28	24.95	23.26	24.78	27.10	<=30	Pass
	3499.98	Edge 1RB Left	19.39	19.99	22.71	21.09	22.49	24.86	<=30	Pass
		Edge 1RB Right	19.34	20.32	22.87	21.04	22.82	25.03	<=30	Pass
		Outer Full	19.91	20.50	23.23	21.61	23.00	25.37	<=30	Pass
		Inner Full	21.07	21.89	24.51	22.77	24.39	26.67	<=30	Pass
		Inner 1RB Left	21.34	22.04	24.71	23.04	24.54	26.86	<=30	Pass
		Inner 1RB Right	21.35	22.42	24.93	23.05	24.92	27.10	<=30	Pass
CP-OFDM 16 QAM	3500.01	Edge 1RB Left	19.33	20.07	22.73	21.03	22.57	24.88	<=30	Pass
		Edge 1RB Right	19.69	20.32	23.03	21.39	22.82	25.17	<=30	Pass
		Outer Full	19.92	20.49	23.22	21.62	22.99	25.37	<=30	Pass
		Inner Full	20.64	21.41	24.05	22.34	23.91	26.21	<=30	Pass
		Inner 1RB Left	20.98	21.51	24.26	22.68	24.01	26.41	<=30	Pass
		Inner 1RB Right	20.76	21.71	24.27	22.46	24.21	26.43	<=30	Pass
	3500.01	Edge 1RB Left	19.30	20.07	22.71	21.00	22.57	24.87	<=30	Pass
		Edge 1RB Right	19.28	20.61	23.01	20.98	23.11	25.18	<=30	Pass
		Outer Full	19.88	20.54	23.23	21.58	23.04	25.38	<=30	Pass
		Inner Full	20.60	21.46	24.06	22.30	23.96	26.22	<=30	Pass
		Inner 1RB Left	20.85	21.45	24.17	22.55	23.95	26.32	<=30	Pass
		Inner 1RB Right	20.78	21.98	24.43	22.48	24.48	26.60	<=30	Pass
	3499.98	Edge 1RB Left	19.30	19.98	22.67	21.00	22.48	24.81	<=30	Pass

		Edge 1RB Right	19.47	20.33	22.93	21.17	22.83	25.09	<=30	Pass
		Outer Full	19.93	20.45	23.21	21.63	22.95	25.35	<=30	Pass
		Inner Full	20.60	21.42	24.04	22.30	23.92	26.20	<=30	Pass
		Inner_1RB_Left	20.85	21.67	24.29	22.55	24.17	26.45	<=30	Pass
		Inner_1RB_Right	20.81	21.89	24.39	22.51	24.39	26.56	<=30	Pass
CP-OFDM 64 QAM	3500.01	Edge 1RB Left	19.17	20.01	22.62	20.87	22.51	24.78	<=30	Pass
		Edge 1RB Right	19.24	20.33	22.83	20.94	22.83	25.00	<=30	Pass
		Outer Full	19.41	20.04	22.75	21.11	22.54	24.89	<=30	Pass
		Inner Full	19.17	20.06	22.65	20.87	22.56	24.81	<=30	Pass
		Inner_1RB_Left	19.36	20.08	22.75	21.06	22.58	24.90	<=30	Pass
		Inner_1RB_Right	19.32	20.43	22.92	21.02	22.93	25.09	<=30	Pass
	3500.01	Edge 1RB Left	19.27	20.14	22.74	20.97	22.64	24.90	<=30	Pass
		Edge 1RB Right	19.33	20.41	22.92	21.03	22.91	25.08	<=30	Pass
		Outer Full	19.34	20.07	22.73	21.04	22.57	24.88	<=30	Pass
		Inner Full	19.11	20.07	22.62	20.81	22.57	24.79	<=30	Pass
		Inner_1RB_Left	19.31	20.00	22.68	21.01	22.50	24.83	<=30	Pass
		Inner_1RB_Right	19.32	20.22	22.81	21.02	22.72	24.96	<=30	Pass
	3499.98	Edge 1RB Left	19.37	20.05	22.73	21.07	22.55	24.88	<=30	Pass
		Edge 1RB Right	19.37	20.36	22.90	21.07	22.86	25.07	<=30	Pass
		Outer Full	19.43	19.98	22.73	21.13	22.48	24.87	<=30	Pass
		Inner Full	19.18	20.03	22.64	20.88	22.53	24.79	<=30	Pass
		Inner_1RB_Left	19.33	20.06	22.72	21.03	22.56	24.87	<=30	Pass
		Inner_1RB_Right	19.34	20.41	22.92	21.04	22.91	25.09	<=30	Pass
CP-OFDM 256 QAM	3500.01	Edge 1RB Left	16.46	17.09	19.80	18.16	19.59	21.94	<=30	Pass
		Edge 1RB Right	16.22	17.53	19.94	17.92	20.03	22.11	<=30	Pass
		Outer Full	16.43	17.06	19.77	18.13	19.56	21.91	<=30	Pass
		Inner Full	16.13	17.09	19.65	17.83	19.59	21.81	<=30	Pass
		Inner_1RB_Left	16.54	17.08	19.83	18.24	19.58	21.97	<=30	Pass
		Inner_1RB_Right	16.54	17.22	19.91	18.24	19.72	22.05	<=30	Pass
	3500.01	Edge 1RB Left	16.33	17.11	19.75	18.03	19.61	21.90	<=30	Pass
		Edge 1RB Right	16.26	17.57	19.97	17.96	20.07	22.15	<=30	Pass
		Outer Full	16.45	17.12	19.81	18.15	19.62	21.96	<=30	Pass
		Inner Full	16.13	17.06	19.63	17.83	19.56	21.79	<=30	Pass
		Inner_1RB_Left	16.39	16.94	19.68	18.09	19.44	21.83	<=30	Pass
		Inner_1RB_Right	16.64	17.36	20.03	18.34	19.86	22.18	<=30	Pass
	3499.98	Edge 1RB Left	16.28	17.09	19.72	17.98	19.59	21.87	<=30	Pass
		Edge 1RB Right	16.22	17.43	19.88	17.92	19.93	22.05	<=30	Pass
		Outer Full	16.41	17.00	19.72	18.11	19.50	21.87	<=30	Pass
Inner Full		16.16	17.02	19.62	17.86	19.52	21.78	<=30	Pass	
Inner_1RB_Left		16.47	16.94	19.72	18.17	19.44	21.86	<=30	Pass	
		Inner_1RB_Right	16.58	17.21	19.92	18.28	19.71	22.06	<=30	Pass
Note1: Antenna Gain: Ant3: 1.70dBi; Ant7: 2.50dBi; Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2										

2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_100MHz

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	3.40	0.0010	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass

			-30	NV	-16.20	-0.0046	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-16.60	-0.0047	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-13.80	-0.0039	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-19.80	-0.0057	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	4.00	0.0011	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-9.30	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-12.80	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-14.90	-0.0043	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-3.70	-0.0011	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-11.30	-0.0032	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-11.60	-0.0033	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-7.80	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-10.40	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-16.80	-0.0048	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-11.00	-0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-13.00	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-9.50	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-5.90	-0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-8.70	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	3.80	0.0011	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-8.70	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-12.30	-0.0035	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-9.50	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-2.90	-0.0008	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-4.30	-0.0012	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-11.50	-0.0033	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-10.60	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-7.10	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-2.40	-0.0007	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-17.40	-0.0050	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-8.90	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-8.70	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-9.00	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-9.10	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-2.40	-0.0007	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-11.30	-0.0032	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-5.80	-0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-18.60	-0.0053	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-11.90	-0.0034	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-16.20	-0.0046	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-11.70	-0.0033	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-2.70	-0.0008	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-16.30	-0.0047	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-12.60	-0.0036	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-8.70	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-4.10	-0.0012	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-4.50	-0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-13.00	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-5.70	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-17.40	-0.0050	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-7.80	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass

			10	NV	-10.10	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	6.10	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-18.50	-0.0053	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-18.40	-0.0053	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	20	LV	5.60	0.0016	>=-2.5 & <=2.5	Pass
				HV	-10.00	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-12.60	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	3.10	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-11.60	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-18.40	-0.0053	>=-2.5 & <=2.5	Pass
			30	NV	-11.80	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	50	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			20	LV	-17.50	-0.0050	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-11.50	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-14.00	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-17.70	-0.0051	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	40	NV	-11.50	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	-14.10	-0.0040	>=-2.5 & <=2.5	Pass
			20	LV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	3.90	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-15.40	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	5.60	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-14.40	-0.0041	>=-2.5 & <=2.5	Pass
			50	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_20MHz_NTNV

5G NR n77d SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3460.02	Outer_Full	18.11	20.00	/	Pass
	3500.01	Outer_Full	18.10	20.05	/	Pass
	3540	Outer_Full	18.09	19.76	/	Pass
DFT-s-OFDM QPSK	3460.02	Outer_Full	18.12	19.91	/	Pass
	3500.01	Outer_Full	18.22	20.11	/	Pass
	3540	Outer_Full	18.17	20.11	/	Pass
DFT-s-OFDM 16 QAM	3460.02	Outer_Full	18.15	20.82	/	Pass
	3500.01	Outer_Full	18.14	19.94	/	Pass

	3540	Outer_Full	18.19	19.99	/	Pass
DFT-s-OFDM 64 QAM	3460.02	Outer_Full	18.16	20.32	/	Pass
	3500.01	Outer_Full	18.17	20.25	/	Pass
	3540	Outer_Full	18.16	19.95	/	Pass
DFT-s-OFDM 256 QAM	3460.02	Outer_Full	18.11	19.83	/	Pass
	3500.01	Outer_Full	18.09	19.93	/	Pass
	3540	Outer_Full	18.07	20.07	/	Pass
CP-OFDM QPSK	3460.02	Outer_Full	18.52	25.66	/	Pass
	3500.01	Outer_Full	18.49	22.27	/	Pass
	3540	Outer_Full	18.47	22.81	/	Pass
CP-OFDM 16 QAM	3460.02	Outer_Full	18.54	25.92	/	Pass
	3500.01	Outer_Full	18.52	24.93	/	Pass
	3540	Outer_Full	18.54	26.25	/	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	18.54	23.06	/	Pass
	3500.01	Outer_Full	18.50	24.58	/	Pass
	3540	Outer_Full	18.50	24.76	/	Pass
CP-OFDM 256 QAM	3460.02	Outer_Full	18.44	20.46	/	Pass
	3500.01	Outer_Full	18.43	20.31	/	Pass
	3540	Outer_Full	18.42	20.35	/	Pass

3.1.2 30k_SISO_30MHz_NTNV

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	27.20	29.41	/	Pass
	3500.01	Outer_Full	27.13	29.34	/	Pass
	3534.99	Outer_Full	27.18	29.41	/	Pass
DFT-s-OFDM QPSK	3465	Outer_Full	27.17	29.24	/	Pass
	3500.01	Outer_Full	27.22	29.54	/	Pass
	3534.99	Outer_Full	27.40	29.52	/	Pass
DFT-s-OFDM 16 QAM	3465	Outer_Full	27.20	29.65	/	Pass
	3500.01	Outer_Full	27.27	29.98	/	Pass
	3534.99	Outer_Full	27.29	29.83	/	Pass
DFT-s-OFDM 64 QAM	3465	Outer_Full	27.18	29.41	/	Pass
	3500.01	Outer_Full	27.17	29.50	/	Pass
	3534.99	Outer_Full	27.28	29.55	/	Pass
DFT-s-OFDM 256 QAM	3465	Outer_Full	27.13	29.56	/	Pass
	3500.01	Outer_Full	27.23	29.55	/	Pass
	3534.99	Outer_Full	27.20	29.64	/	Pass
CP-OFDM QPSK	3465	Outer_Full	28.27	45.76	/	Pass
	3500.01	Outer_Full	28.25	37.44	/	Pass
	3534.99	Outer_Full	28.30	35.97	/	Pass
CP-OFDM 16 QAM	3465	Outer_Full	28.33	36.57	/	Pass
	3500.01	Outer_Full	28.31	37.37	/	Pass
	3534.99	Outer_Full	28.32	34.86	/	Pass
CP-OFDM 64 QAM	3465	Outer_Full	28.23	31.53	/	Pass
	3500.01	Outer_Full	28.25	32.96	/	Pass
	3534.99	Outer_Full	28.27	33.03	/	Pass
CP-OFDM 256 QAM	3465	Outer_Full	28.16	30.44	/	Pass
	3500.01	Outer_Full	28.19	30.48	/	Pass
	3534.99	Outer_Full	28.24	30.51	/	Pass

3.1.3 30k_SISO_40MHz_NTNV

5G NR n77d SCS=30kHz SISO 40MHz NTN

Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3470.01	Outer_Full	36.06	38.80	/	Pass
	3500.01	Outer_Full	36.13	38.90	/	Pass
	3529.98	Outer_Full	36.18	38.83	/	Pass
DFT-s-OFDM QPSK	3470.01	Outer_Full	36.07	38.83	/	Pass
	3500.01	Outer_Full	36.06	39.30	/	Pass
	3529.98	Outer_Full	36.22	39.16	/	Pass
DFT-s-OFDM 16 QAM	3470.01	Outer_Full	36.21	38.97	/	Pass
	3500.01	Outer_Full	36.19	43.32	/	Pass
	3529.98	Outer_Full	36.31	39.11	/	Pass
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	36.02	38.79	/	Pass
	3500.01	Outer_Full	36.07	38.93	/	Pass
	3529.98	Outer_Full	36.20	38.89	/	Pass
DFT-s-OFDM 256 QAM	3470.01	Outer_Full	36.06	39.00	/	Pass
	3500.01	Outer_Full	36.10	39.02	/	Pass
	3529.98	Outer_Full	36.10	38.90	/	Pass
CP-OFDM QPSK	3470.01	Outer_Full	38.26	42.16	/	Pass
	3500.01	Outer_Full	38.29	50.36	/	Pass
	3529.98	Outer_Full	38.39	40.98	/	Pass
CP-OFDM 16 QAM	3470.01	Outer_Full	38.22	41.21	/	Pass
	3500.01	Outer_Full	38.37	53.11	/	Pass
	3529.98	Outer_Full	38.42	41.15	/	Pass
CP-OFDM 64 QAM	3470.01	Outer_Full	38.26	43.05	/	Pass
	3500.01	Outer_Full	38.28	45.05	/	Pass
	3529.98	Outer_Full	38.39	43.85	/	Pass
CP-OFDM 256 QAM	3470.01	Outer_Full	38.21	41.18	/	Pass
	3500.01	Outer_Full	38.15	41.10	/	Pass
	3529.98	Outer_Full	38.41	41.23	/	Pass

3.1.4 30k_SISO_60MHz_NTNV

5G NR n77d SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3480	Outer_Full	58.35	62.54	/	Pass
	3500.01	Outer_Full	58.34	62.33	/	Pass
	3519.99	Outer_Full	58.28	62.44	/	Pass
DFT-s-OFDM QPSK	3480	Outer_Full	58.52	62.63	/	Pass
	3500.01	Outer_Full	58.46	62.56	/	Pass
	3519.99	Outer_Full	58.80	62.69	/	Pass
DFT-s-OFDM 16 QAM	3480	Outer_Full	58.36	62.43	/	Pass
	3500.01	Outer_Full	58.38	62.33	/	Pass
	3519.99	Outer_Full	58.65	62.52	/	Pass
DFT-s-OFDM 64 QAM	3480	Outer_Full	58.23	62.36	/	Pass
	3500.01	Outer_Full	58.35	62.42	/	Pass
	3519.99	Outer_Full	58.41	62.42	/	Pass
DFT-s-OFDM 256 QAM	3480	Outer_Full	58.08	62.16	/	Pass
	3500.01	Outer_Full	58.11	62.23	/	Pass
	3519.99	Outer_Full	58.26	62.33	/	Pass
CP-OFDM QPSK	3480	Outer_Full	58.38	64.80	/	Pass
	3500.01	Outer_Full	58.48	62.49	/	Pass
	3519.99	Outer_Full	58.59	68.00	/	Pass
CP-OFDM 16 QAM	3480	Outer_Full	58.26	62.60	/	Pass
	3500.01	Outer_Full	58.35	67.01	/	Pass
	3519.99	Outer_Full	58.53	62.66	/	Pass
CP-OFDM 64 QAM	3480	Outer_Full	58.36	66.66	/	Pass
	3500.01	Outer_Full	58.63	65.52	/	Pass

	3519.99	Outer_Full	58.53	66.11	/	Pass
CP-OFDM 256 QAM	3480	Outer_Full	58.19	62.08	/	Pass
	3500.01	Outer_Full	58.29	62.36	/	Pass
	3519.99	Outer_Full	58.36	62.35	/	Pass

3.1.5 30k_SISO_80MHz_NTNV

5G NR n77d SCS=30kHz SISO 80MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3490.02	Outer_Full	77.61	82.75	/	Pass
	3500.01	Outer_Full	77.89	83.06	/	Pass
	3510	Outer_Full	77.80	82.90	/	Pass
DFT-s-OFDM QPSK	3490.02	Outer_Full	77.83	83.34	/	Pass
	3500.01	Outer_Full	77.61	83.30	/	Pass
	3510	Outer_Full	77.78	82.89	/	Pass
DFT-s-OFDM 16 QAM	3490.02	Outer_Full	77.88	83.20	/	Pass
	3500.01	Outer_Full	77.91	82.91	/	Pass
	3510	Outer_Full	78.11	83.11	/	Pass
DFT-s-OFDM 64 QAM	3490.02	Outer_Full	77.71	82.83	/	Pass
	3500.01	Outer_Full	77.62	82.87	/	Pass
	3510	Outer_Full	77.92	82.95	/	Pass
DFT-s-OFDM 256 QAM	3490.02	Outer_Full	77.56	82.91	/	Pass
	3500.01	Outer_Full	77.33	82.69	/	Pass
	3510	Outer_Full	77.38	82.69	/	Pass
CP-OFDM QPSK	3490.02	Outer_Full	78.09	83.81	/	Pass
	3500.01	Outer_Full	78.46	88.38	/	Pass
	3510	Outer_Full	78.26	83.38	/	Pass
CP-OFDM 16 QAM	3490.02	Outer_Full	78.32	83.86	/	Pass
	3500.01	Outer_Full	77.93	85.97	/	Pass
	3510	Outer_Full	78.28	83.87	/	Pass
CP-OFDM 64 QAM	3490.02	Outer_Full	78.18	83.57	/	Pass
	3500.01	Outer_Full	77.78	83.73	/	Pass
	3510	Outer_Full	78.42	89.30	/	Pass
CP-OFDM 256 QAM	3490.02	Outer_Full	77.65	83.29	/	Pass
	3500.01	Outer_Full	77.58	83.26	/	Pass
	3510	Outer_Full	77.97	83.22	/	Pass

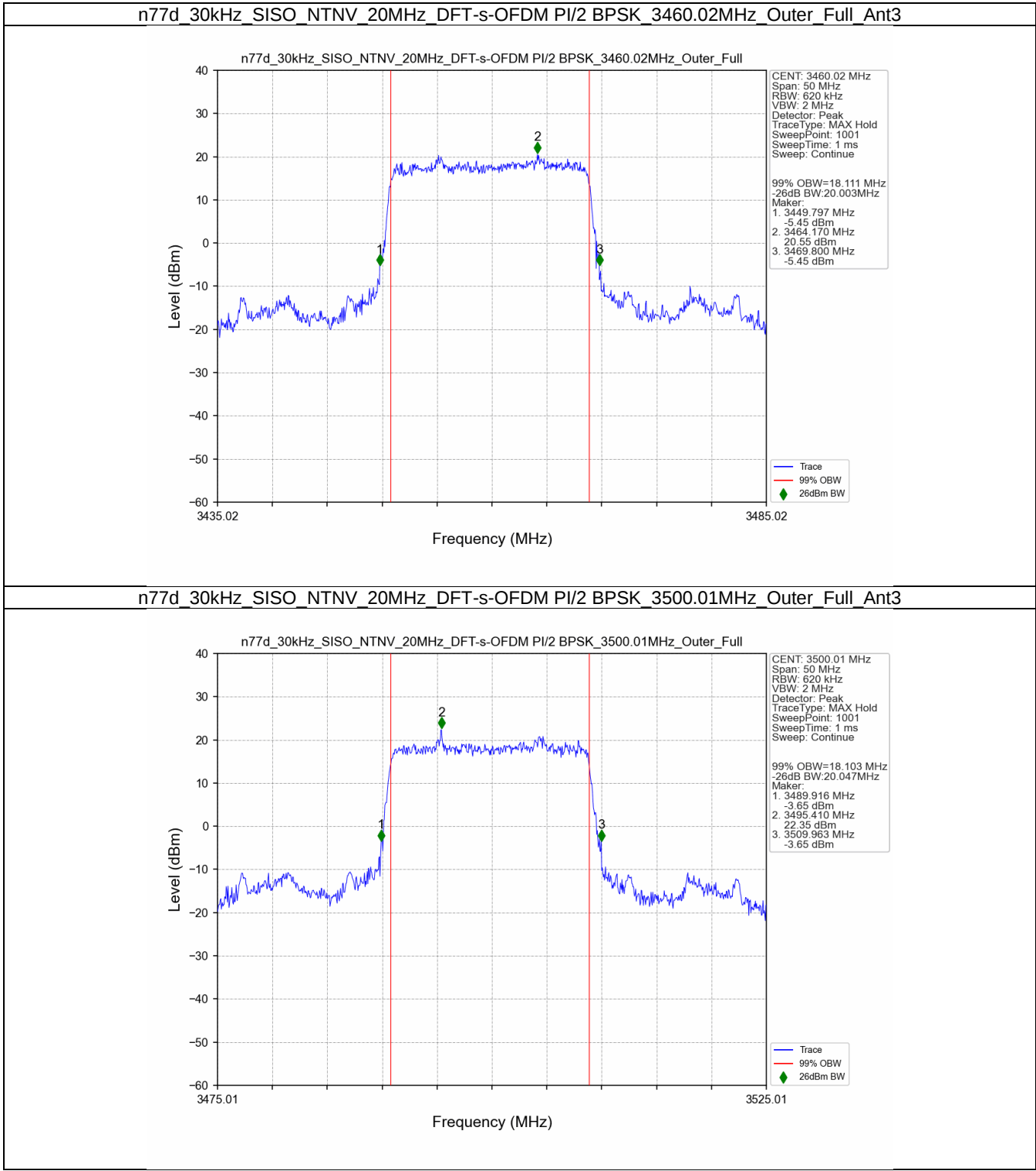
3.1.6 30k_SISO_100MHz_NTNV

5G NR n77d SCS=30kHz SISO 100MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	97.33	103.70	/	Pass
	3500.01	Outer_Full	96.97	103.42	/	Pass
	3499.98	Outer_Full	96.88	103.78	/	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	97.21	103.77	/	Pass
	3500.01	Outer_Full	97.52	103.63	/	Pass
	3499.98	Outer_Full	97.37	103.98	/	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	97.09	102.91	/	Pass
	3500.01	Outer_Full	97.35	103.34	/	Pass
	3499.98	Outer_Full	96.96	103.22	/	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	97.17	103.10	/	Pass
	3500.01	Outer_Full	97.63	103.54	/	Pass
	3499.98	Outer_Full	97.66	103.46	/	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	97.09	103.50	/	Pass

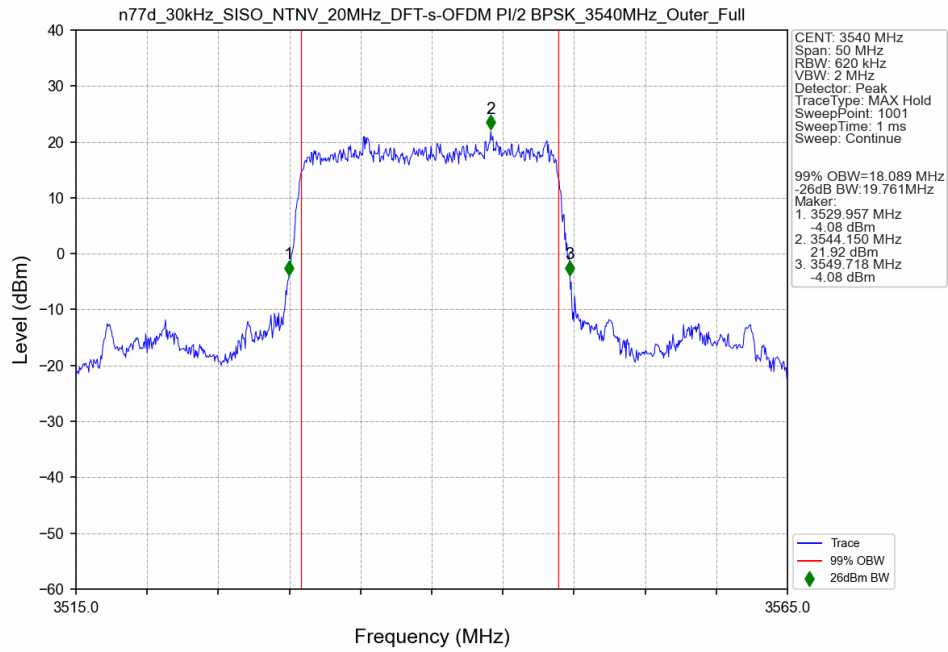
	3500.01	Outer_Full	97.17	103.54	/	Pass
	3499.98	Outer_Full	97.30	103.39	/	Pass
CP-OFDM QPSK	3500.01	Outer_Full	98.44	105.35	/	Pass
	3500.01	Outer_Full	98.53	104.92	/	Pass
	3499.98	Outer_Full	98.40	106.83	/	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	98.41	104.93	/	Pass
	3500.01	Outer_Full	98.39	104.30	/	Pass
	3499.98	Outer_Full	98.22	105.05	/	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	98.41	104.95	/	Pass
	3500.01	Outer_Full	98.35	105.42	/	Pass
	3499.98	Outer_Full	98.29	104.98	/	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	97.87	104.22	/	Pass
	3500.01	Outer_Full	97.70	104.11	/	Pass
	3499.98	Outer_Full	98.08	104.47	/	Pass

3.2 Test Graph

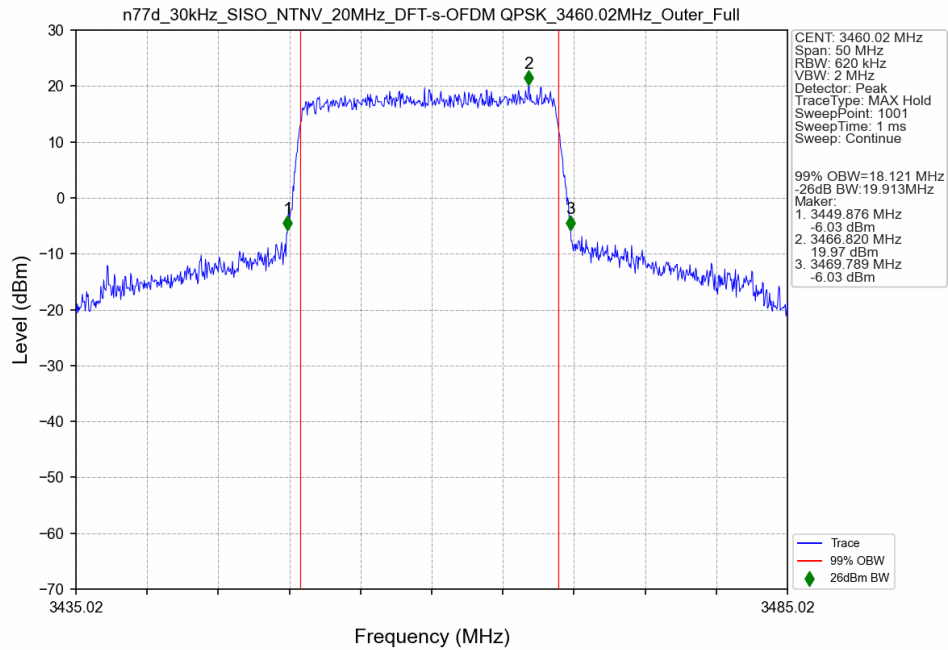
3.2.1 30k_SISO_20MHz_NTNV



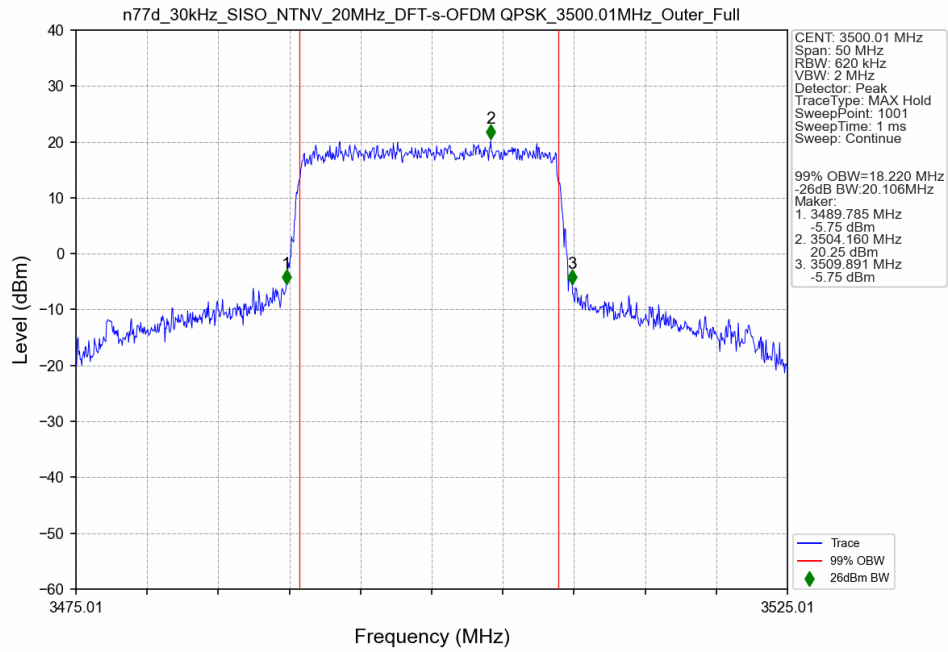
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3540MHz Outer Full Ant3



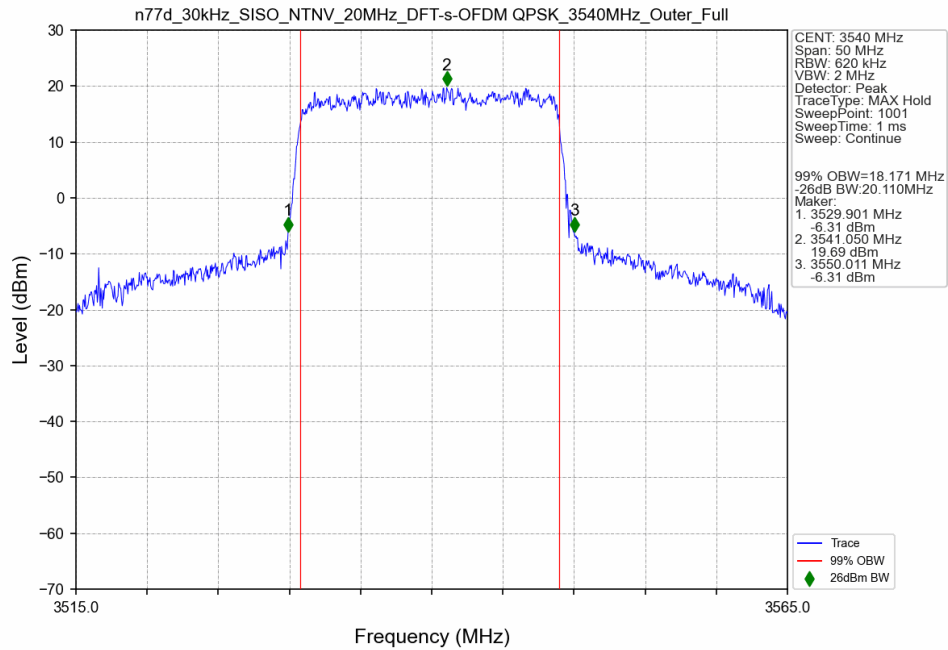
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3460.02MHz Outer Full Ant3



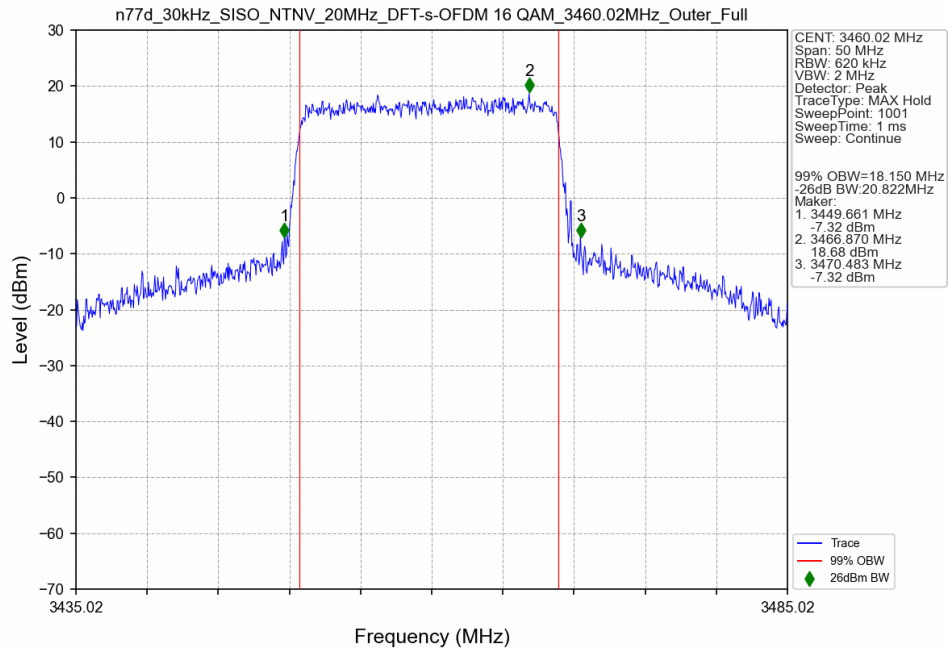
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3500.01MHz Outer Full Ant3



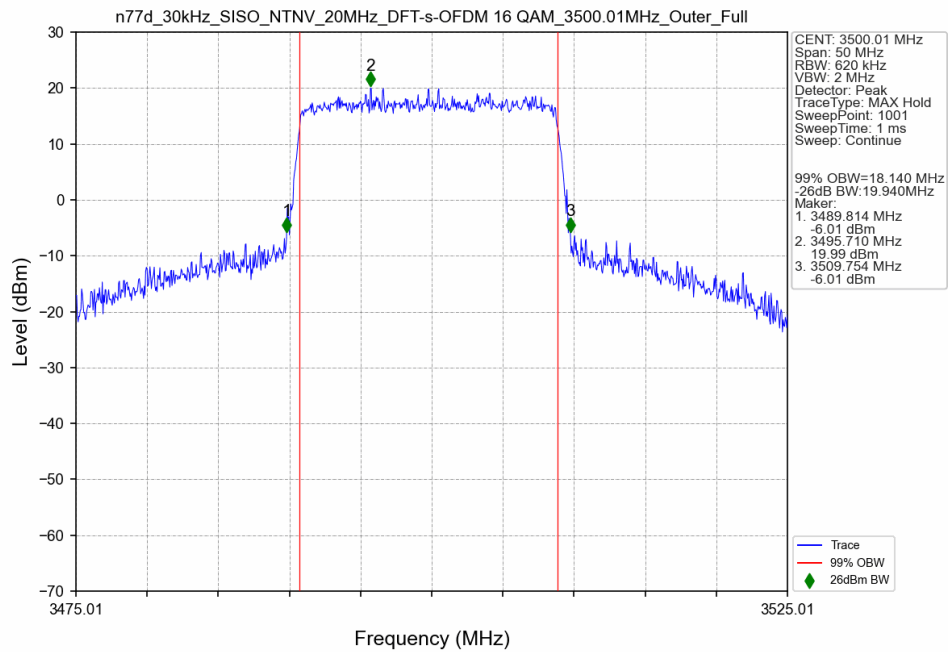
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3540MHz Outer Full Ant3



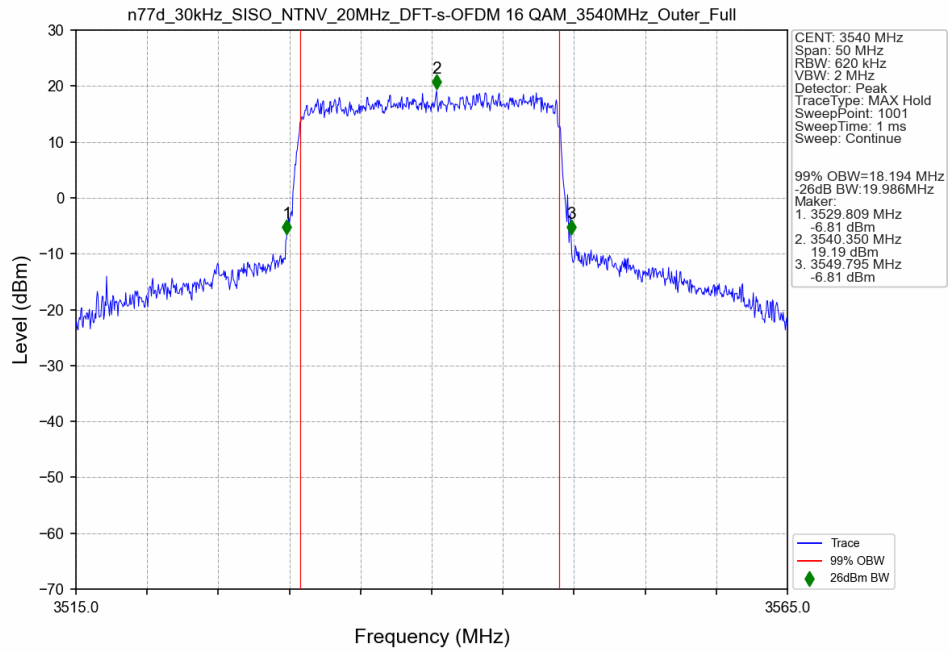
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3460.02MHz Outer Full Ant3



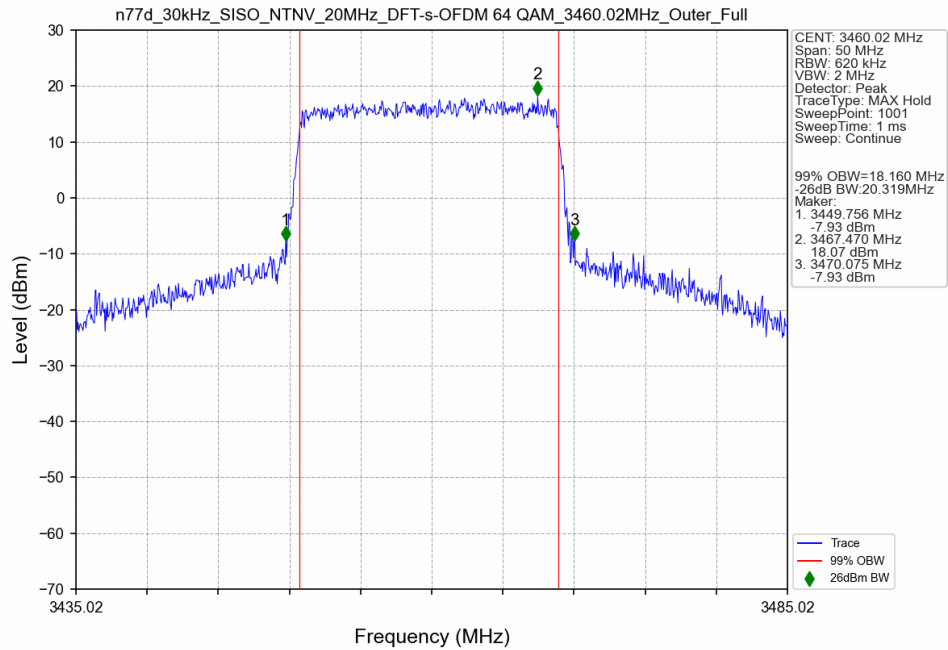
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant3



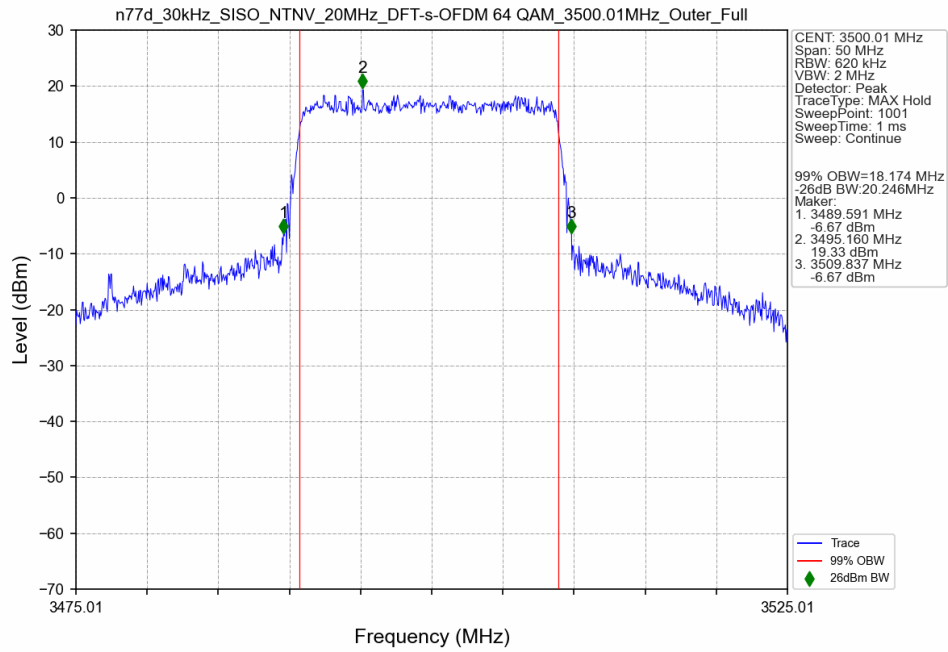
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3540MHz Outer Full Ant3



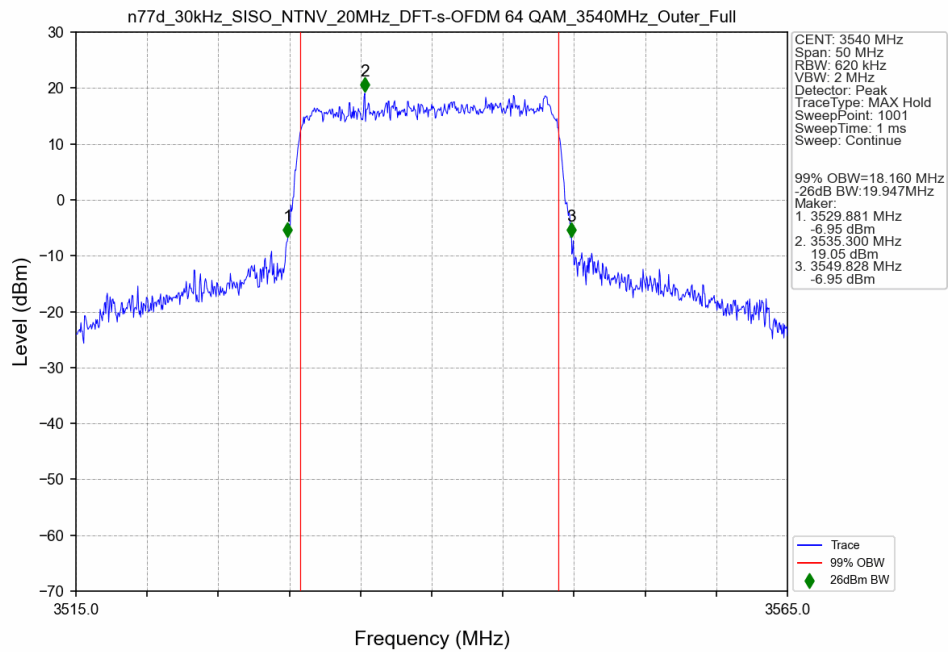
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 3460.02MHz Outer Full Ant3



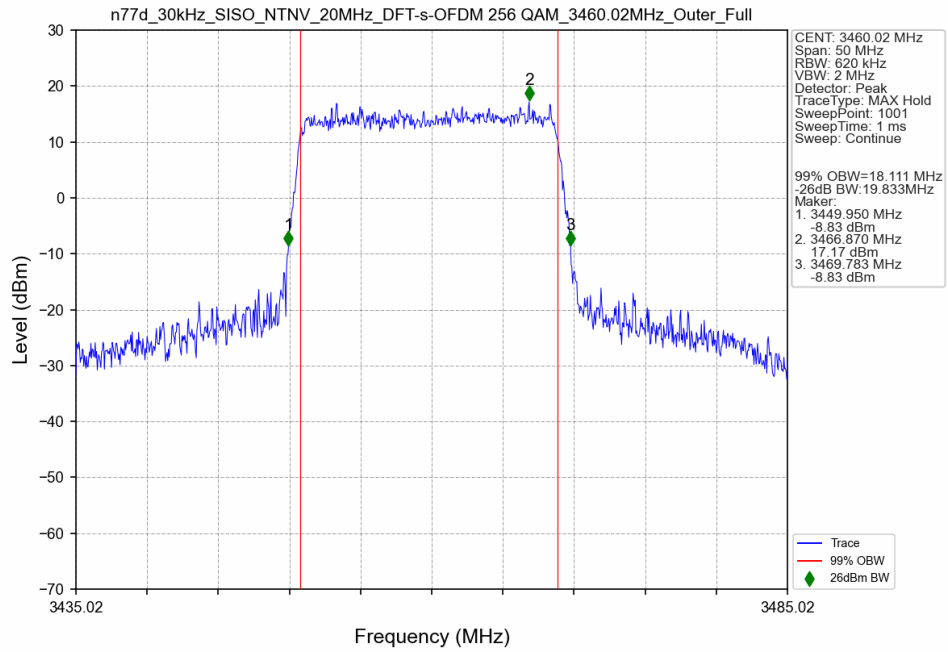
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant3



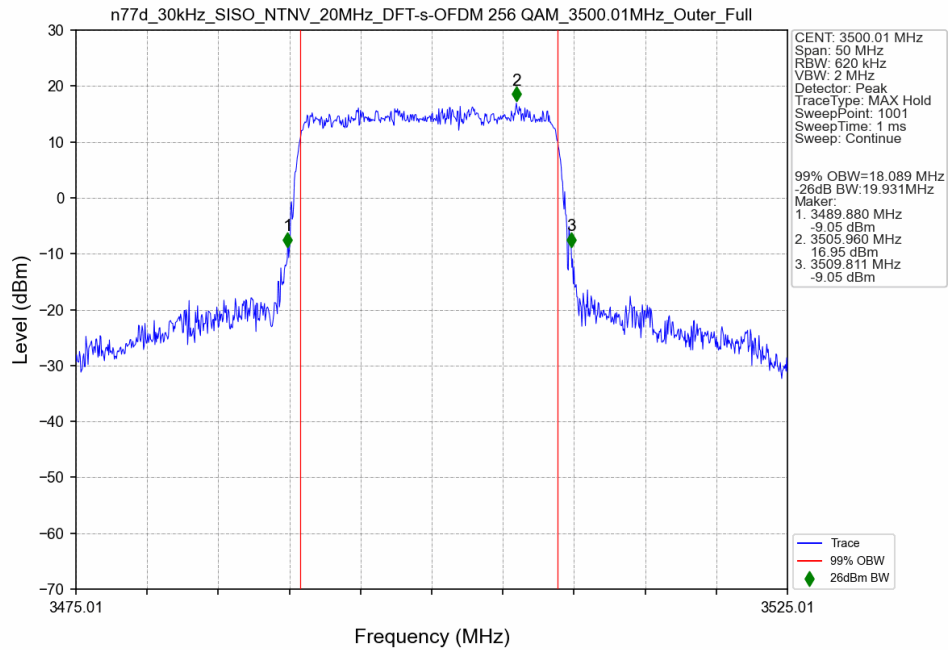
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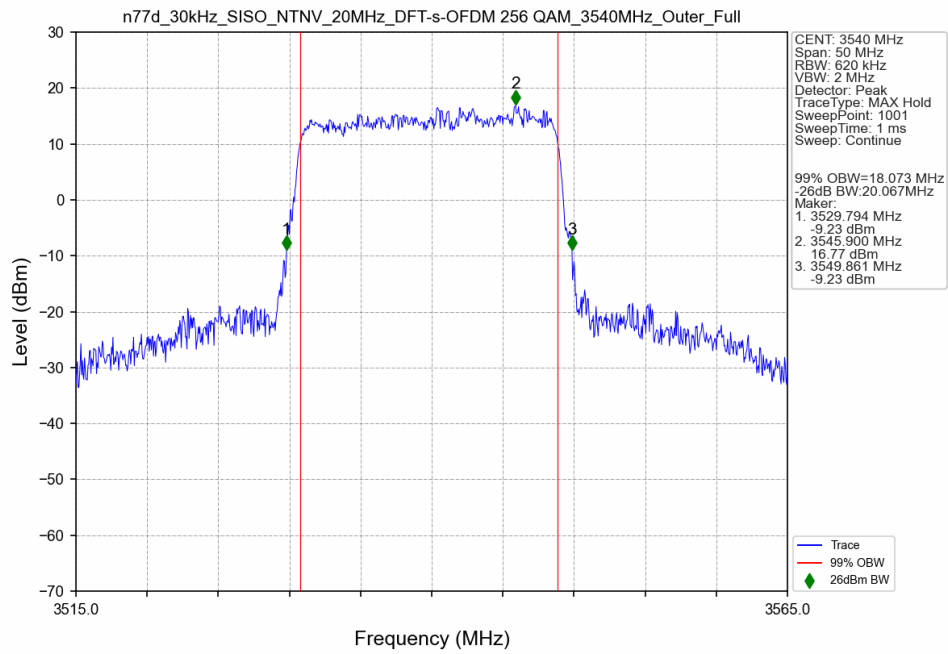
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3460.02MHz Outer Full Ant3



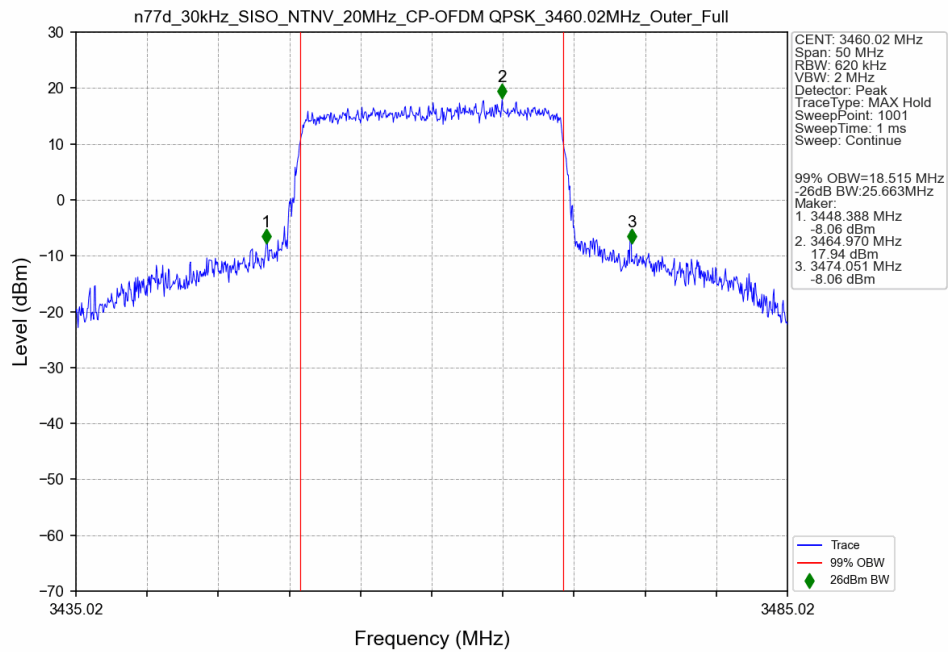
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant3



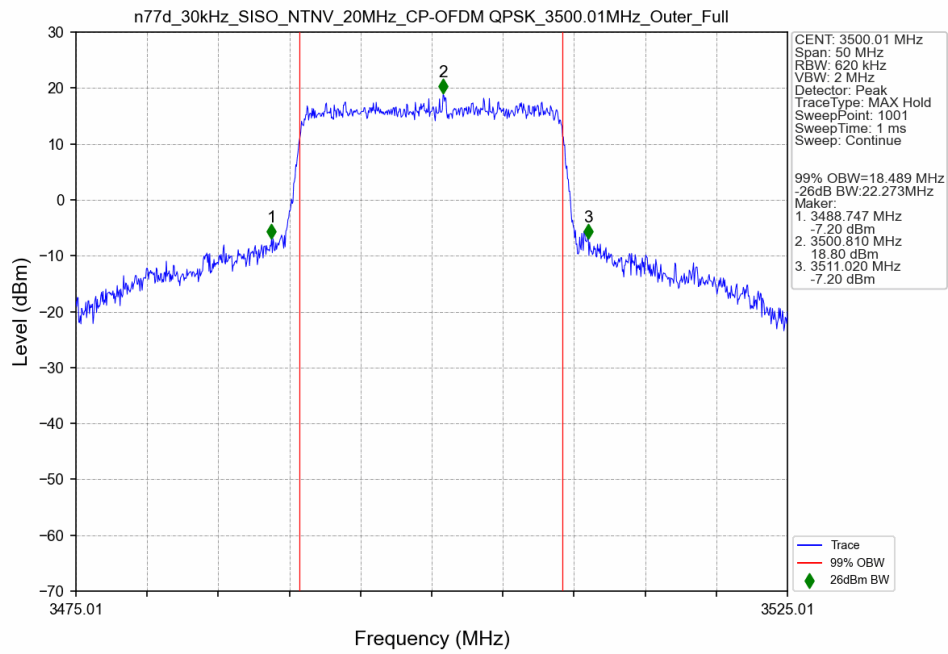
n77d 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 3540MHz Outer Full Ant3



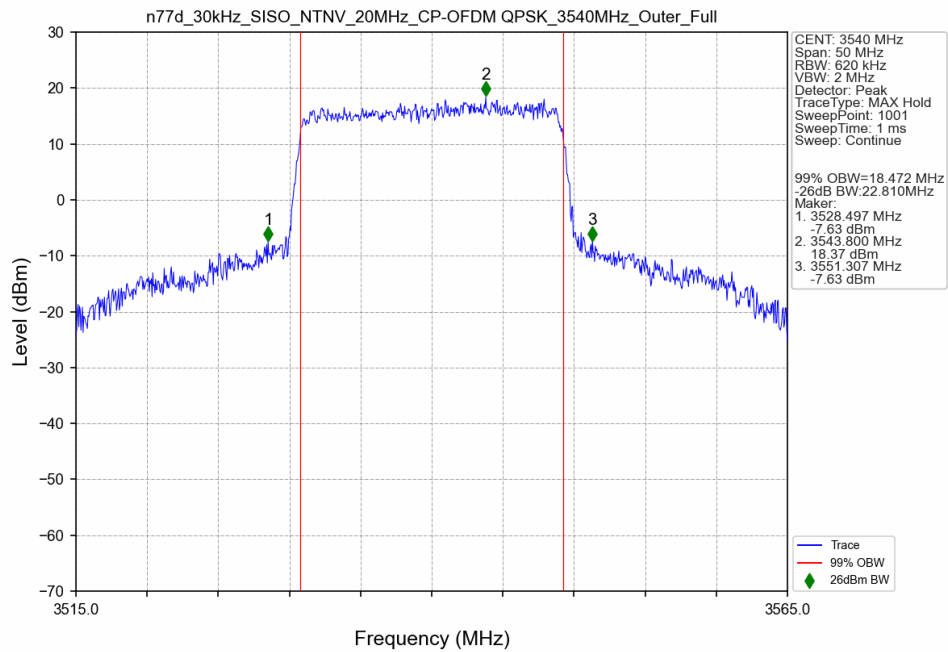
n77d 30kHz SISO NTN 20MHz CP-OFDM QPSK 3460.02MHz Outer Full Ant3



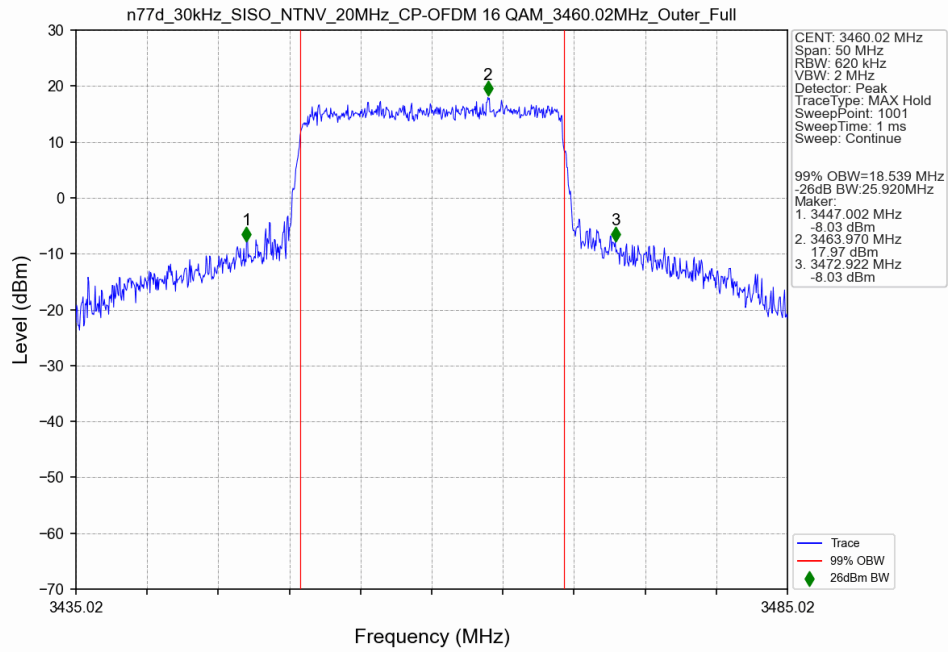
n77d 30kHz SISO NTN 20MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant3



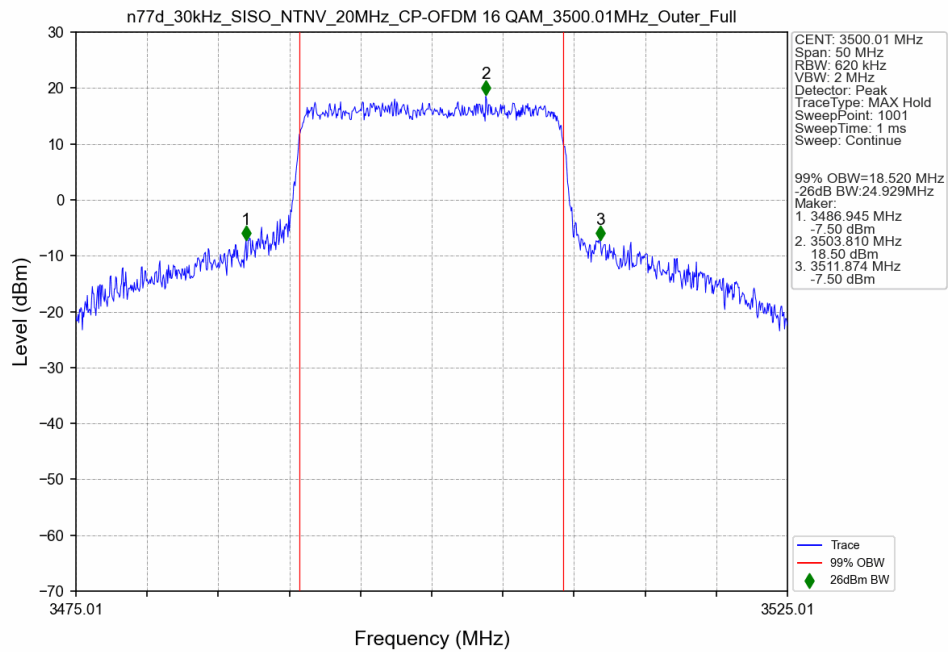
n77d 30kHz SISO NTN 20MHz CP-OFDM QPSK 3540MHz Outer Full Ant3



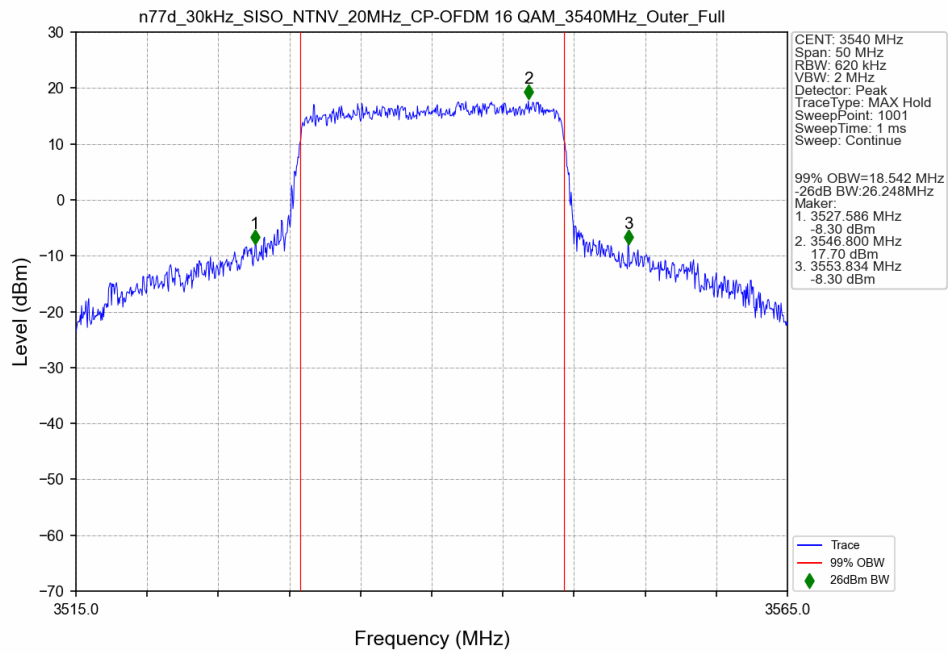
n77d 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3460.02MHz Outer Full Ant3



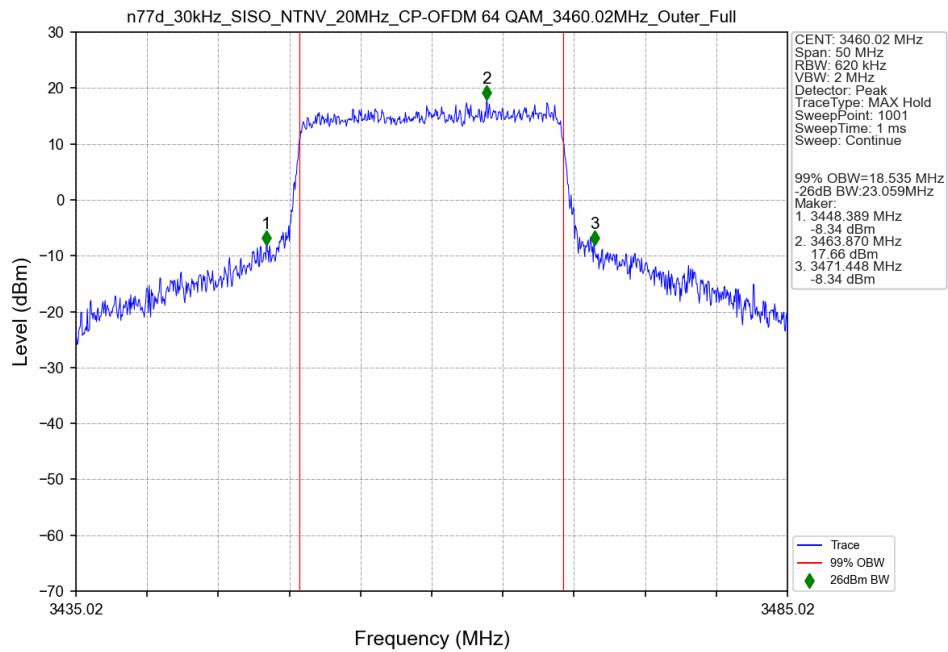
n77d 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3500.01MHz Outer Full Ant3



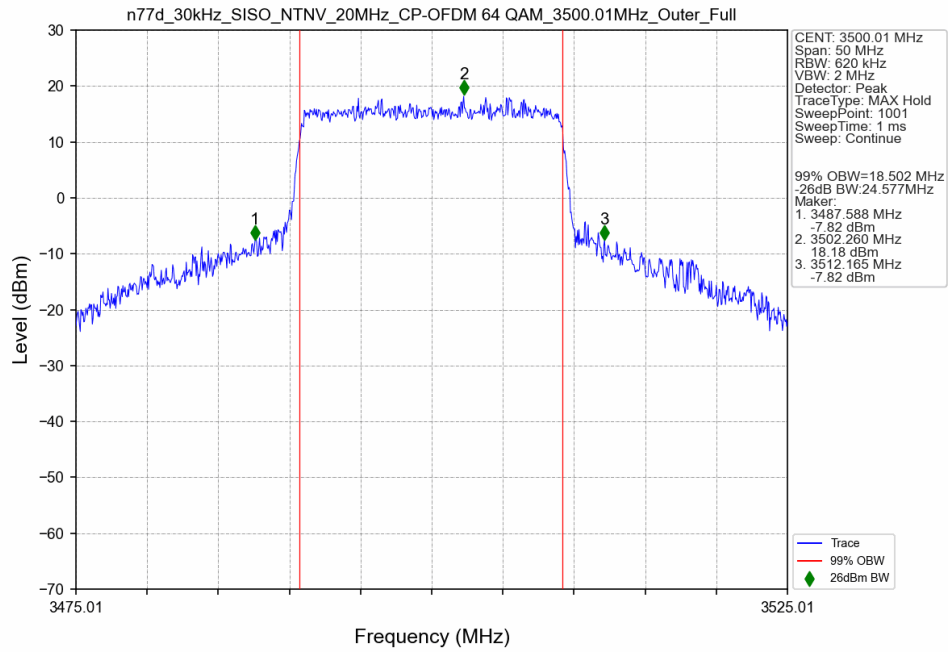
n77d 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 3540MHz Outer Full Ant3



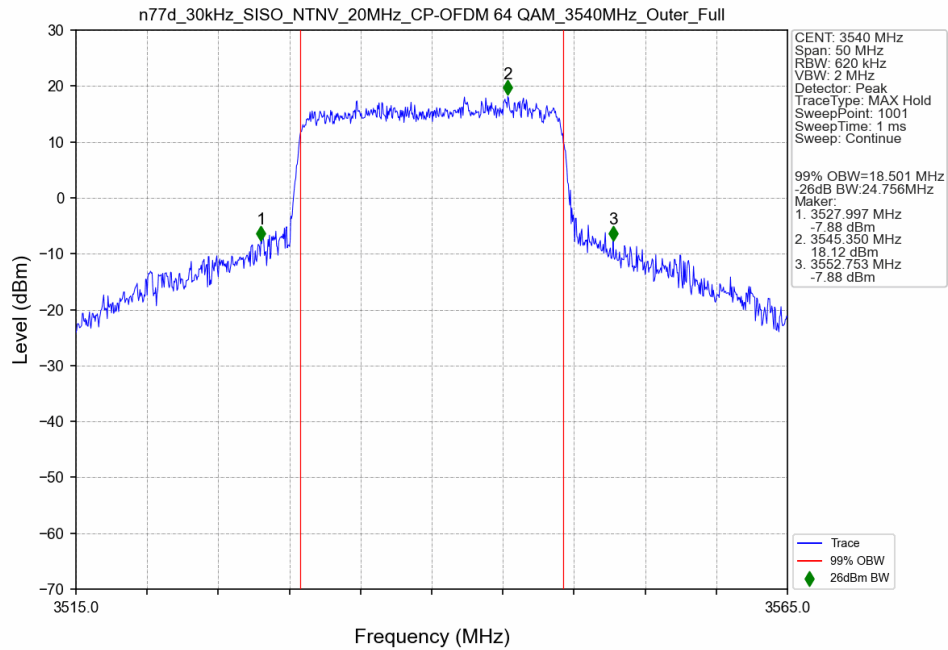
n77d 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3460.02MHz Outer Full Ant3



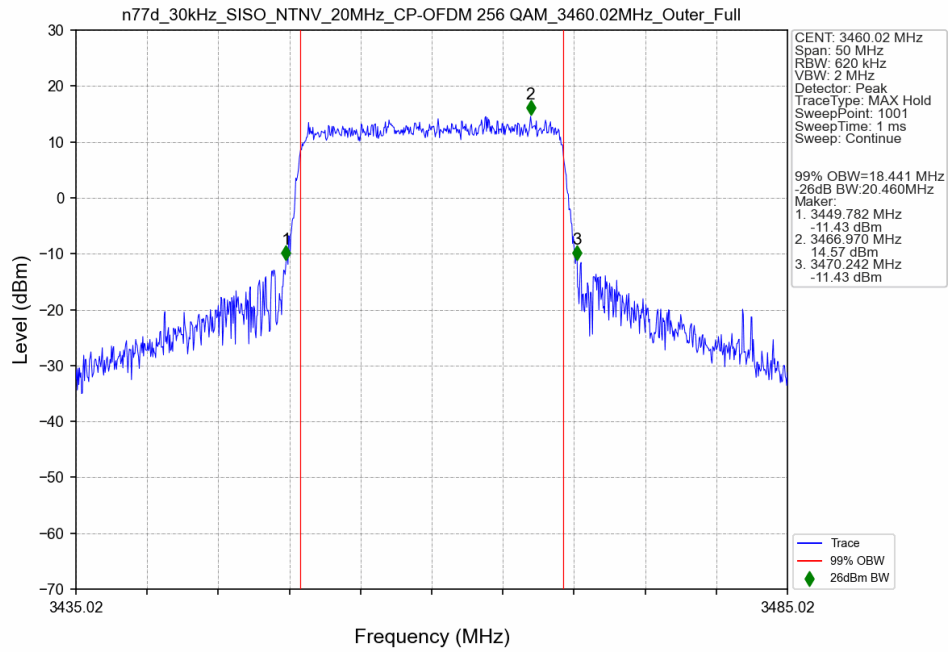
n77d 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3500.01MHz Outer Full Ant3



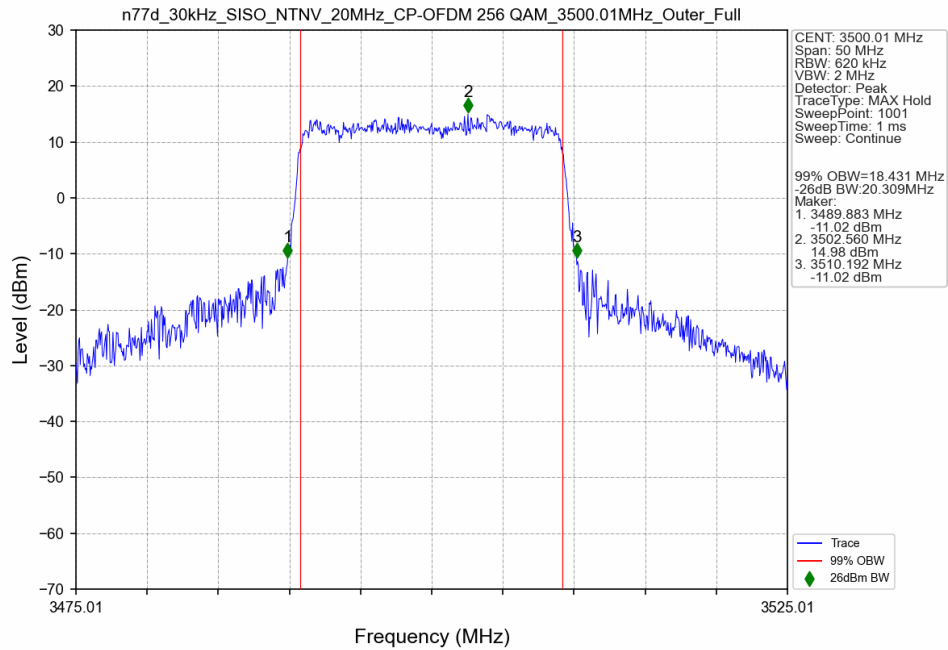
n77d 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 3540MHz Outer Full Ant3



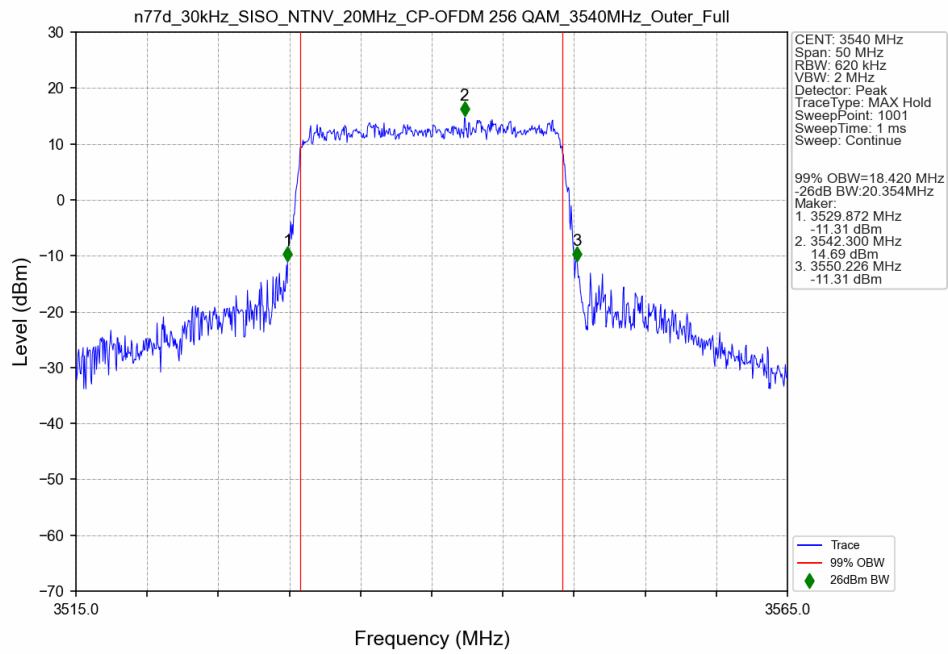
n77d 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3460.02MHz Outer Full Ant3



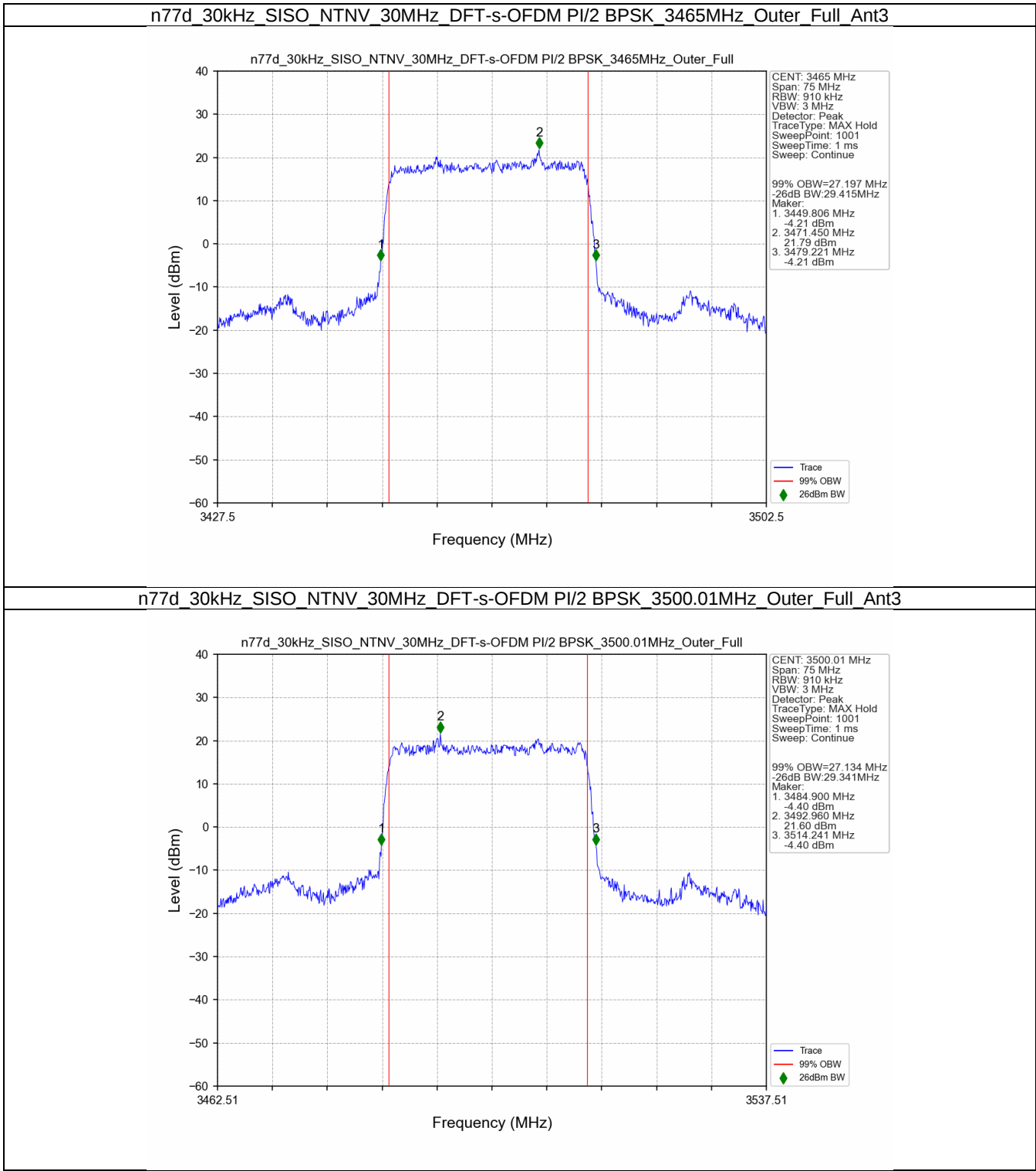
n77d 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant3



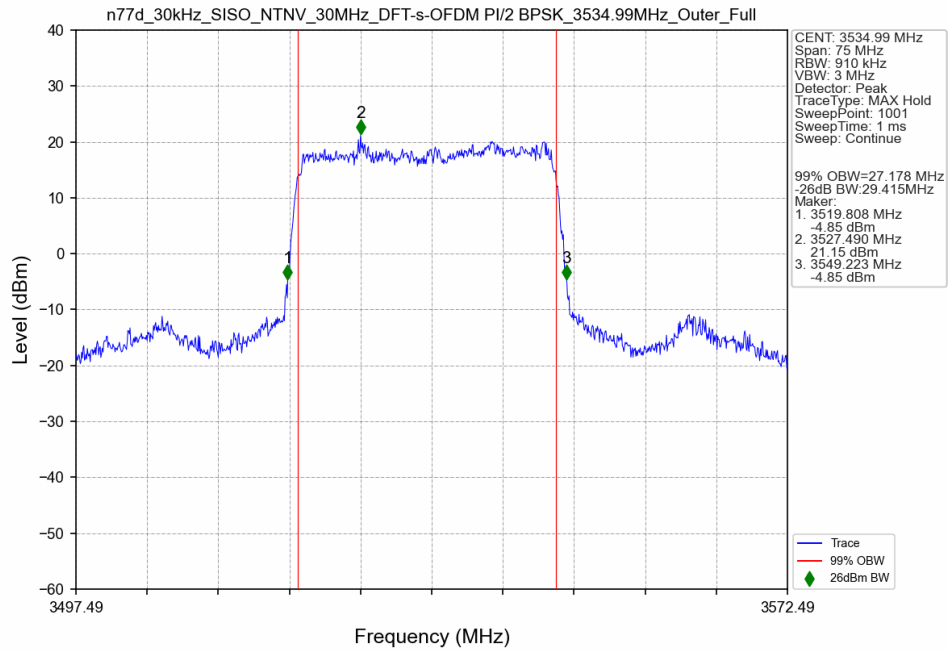
n77d 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3540MHz Outer Full Ant3



3.2.2 30k_SISO_30MHz_NTNV



n77d 30kHz SISO NTN 30MHz DFT-s-OFDM PI/2 BPSK 3534.99MHz Outer Full Ant3



n77d 30kHz SISO NTN 30MHz DFT-s-OFDM QPSK 3465MHz Outer Full Ant3

